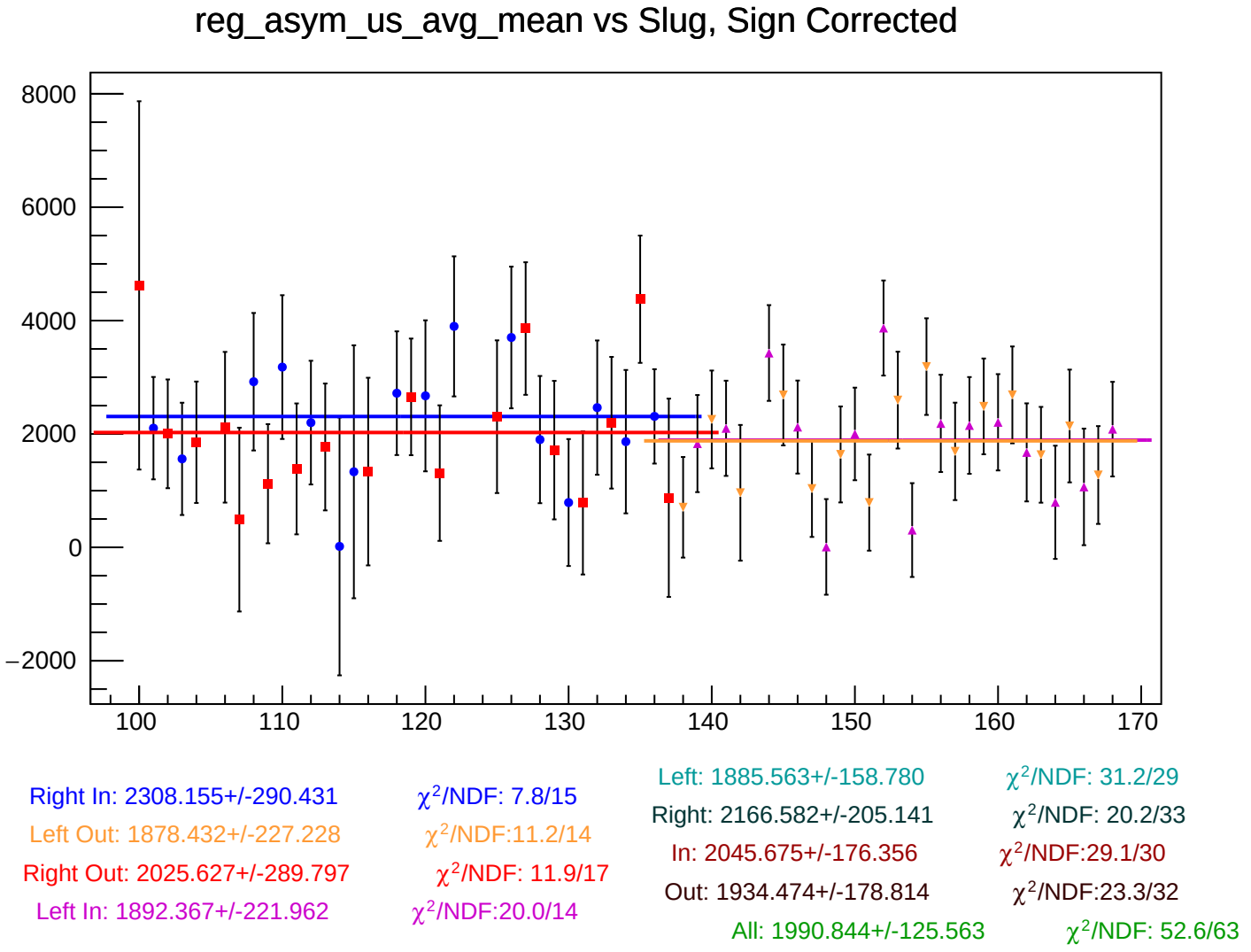
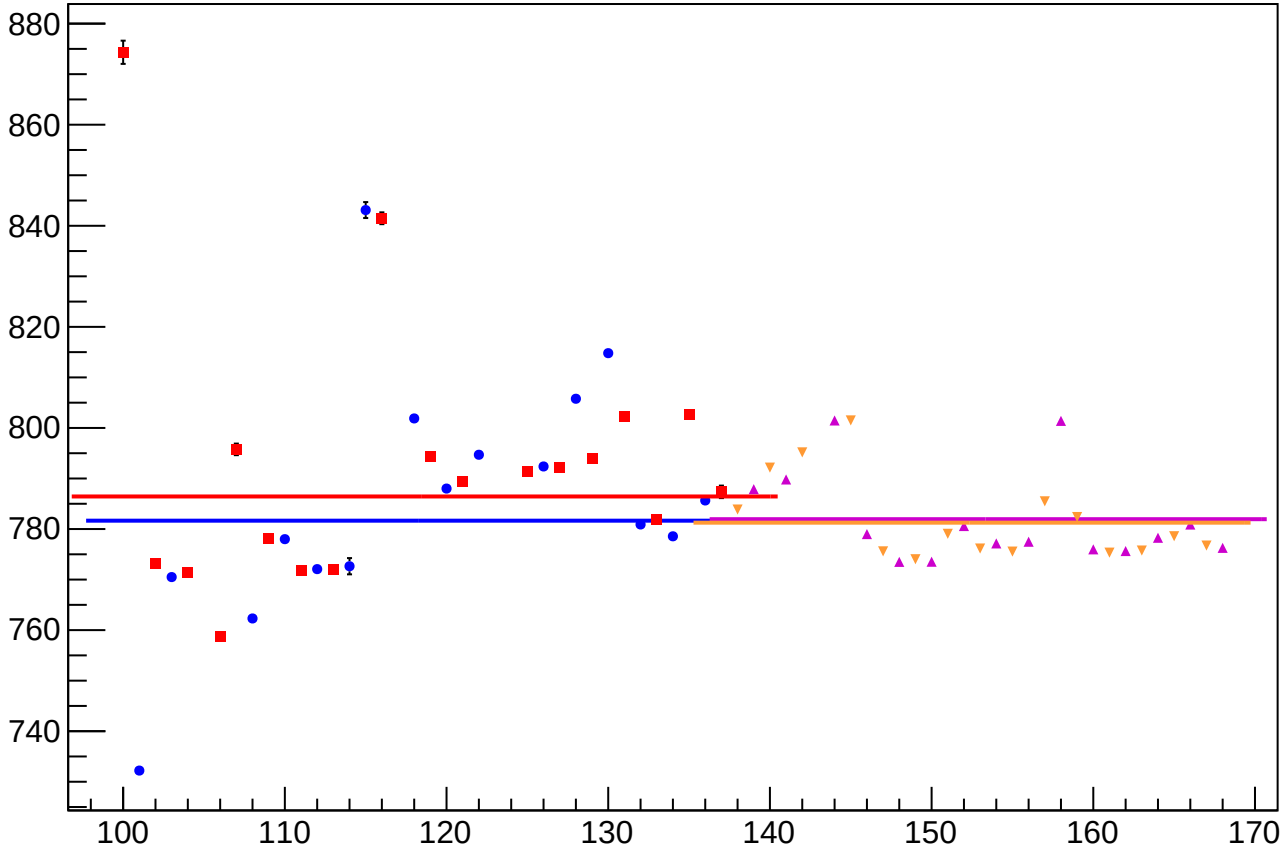

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1878.432+/-227.228
χ²/NDF:11.2/14
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1892.367+/-221.962
χ²/NDF:20.0/14
Left: 1885.563+/-158.780
χ²/NDF: 31.2/29
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2045.675+/-176.356
χ²/NDF:29.1/30
Out: 1934.474+/-178.814
χ²/NDF:23.3/32
All: 1990.844+/-125.563
χ²/NDF: 52.6/63

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

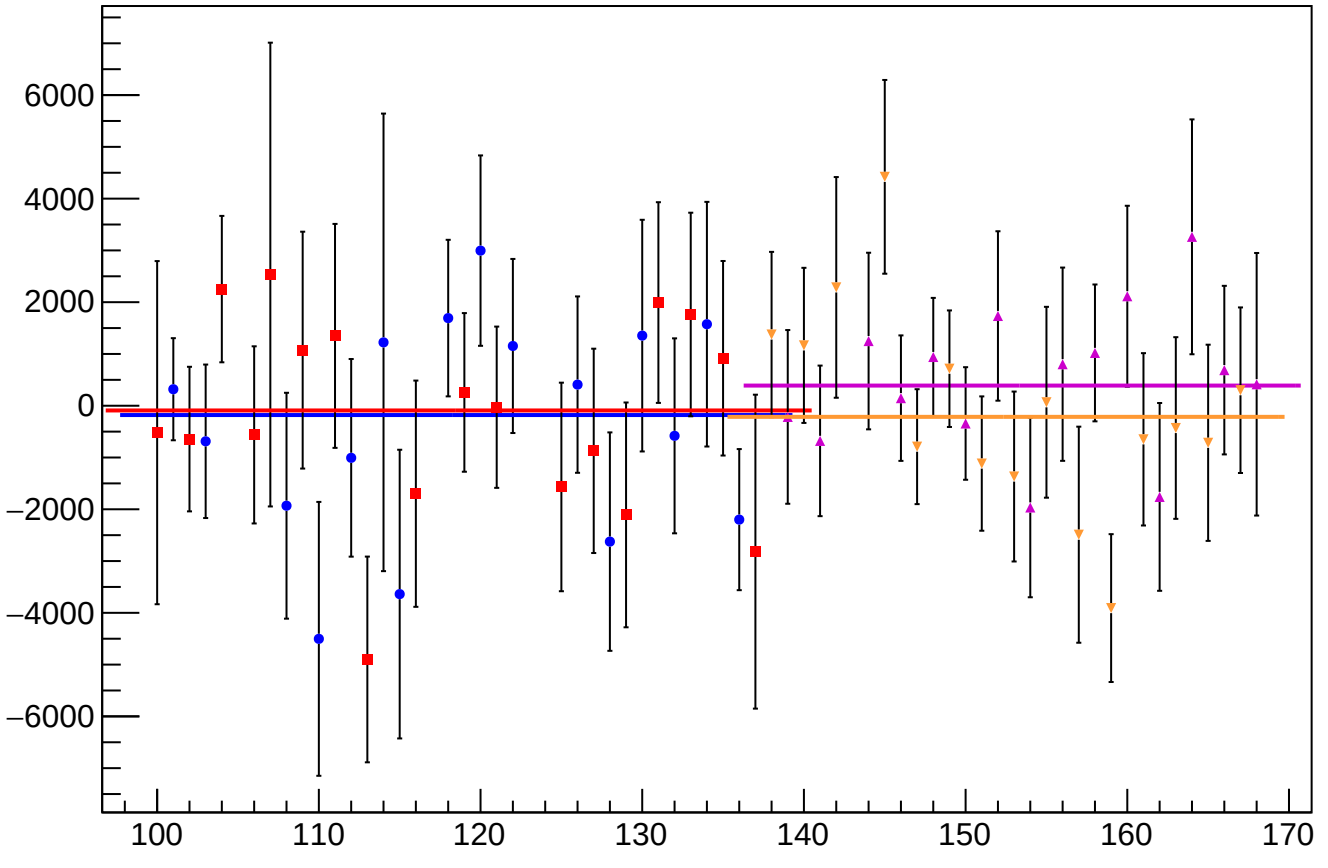
Left: 781.612+/-0.112 χ^2/NDF: 5635.7/29

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

In: 781.840+/-0.125 χ^2/NDF:15592.4/30

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63



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

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

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

Left In: 389.389+/-395.556 χ^2/NDF:8.5/14

Left: 89.938+/-280.914 χ^2/NDF: 29.1/29

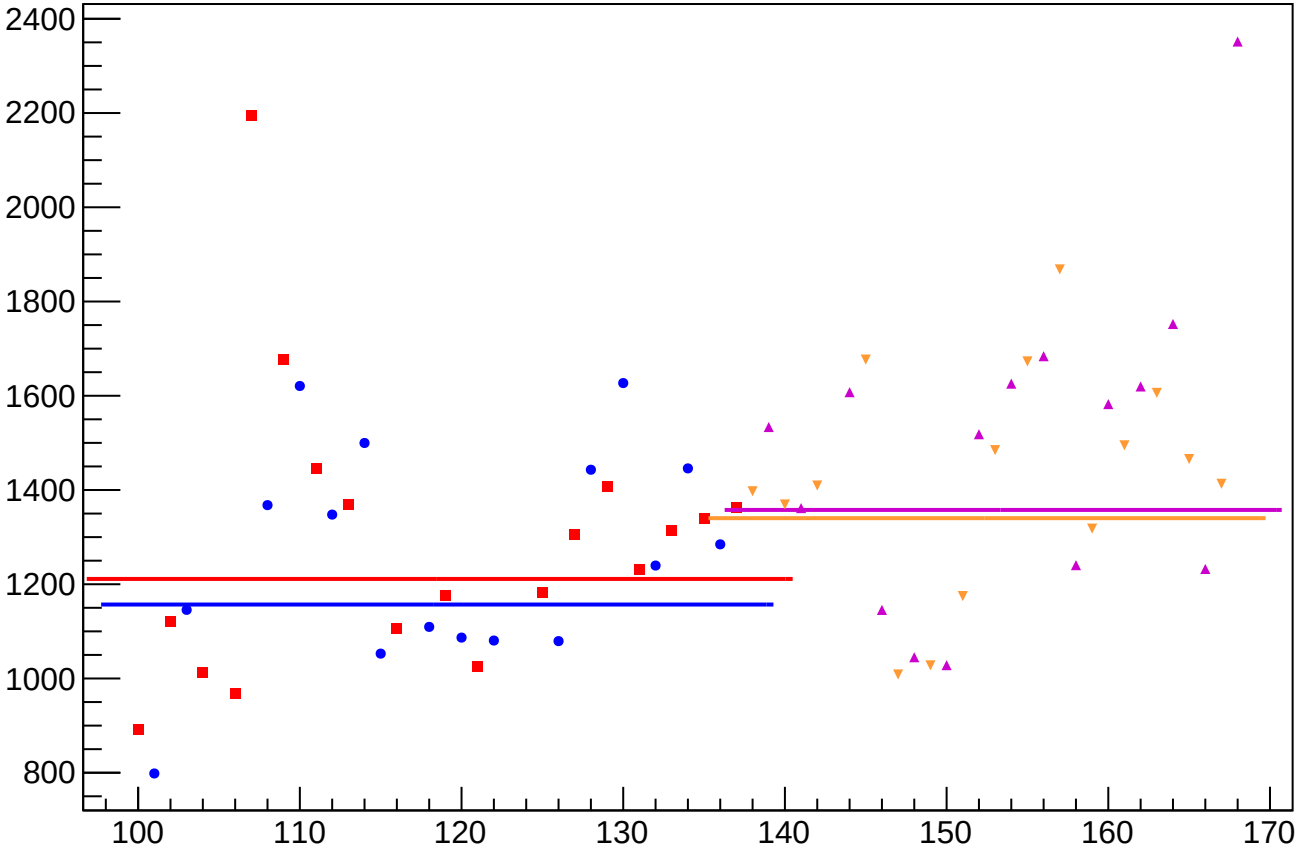
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 135.420+/-294.392 χ^2/NDF:24.8/30

Out: -161.063+/-299.942 χ^2/NDF:34.7/32

All: -10.053+/-210.101 χ^2/NDF: 60.0/63

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

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

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

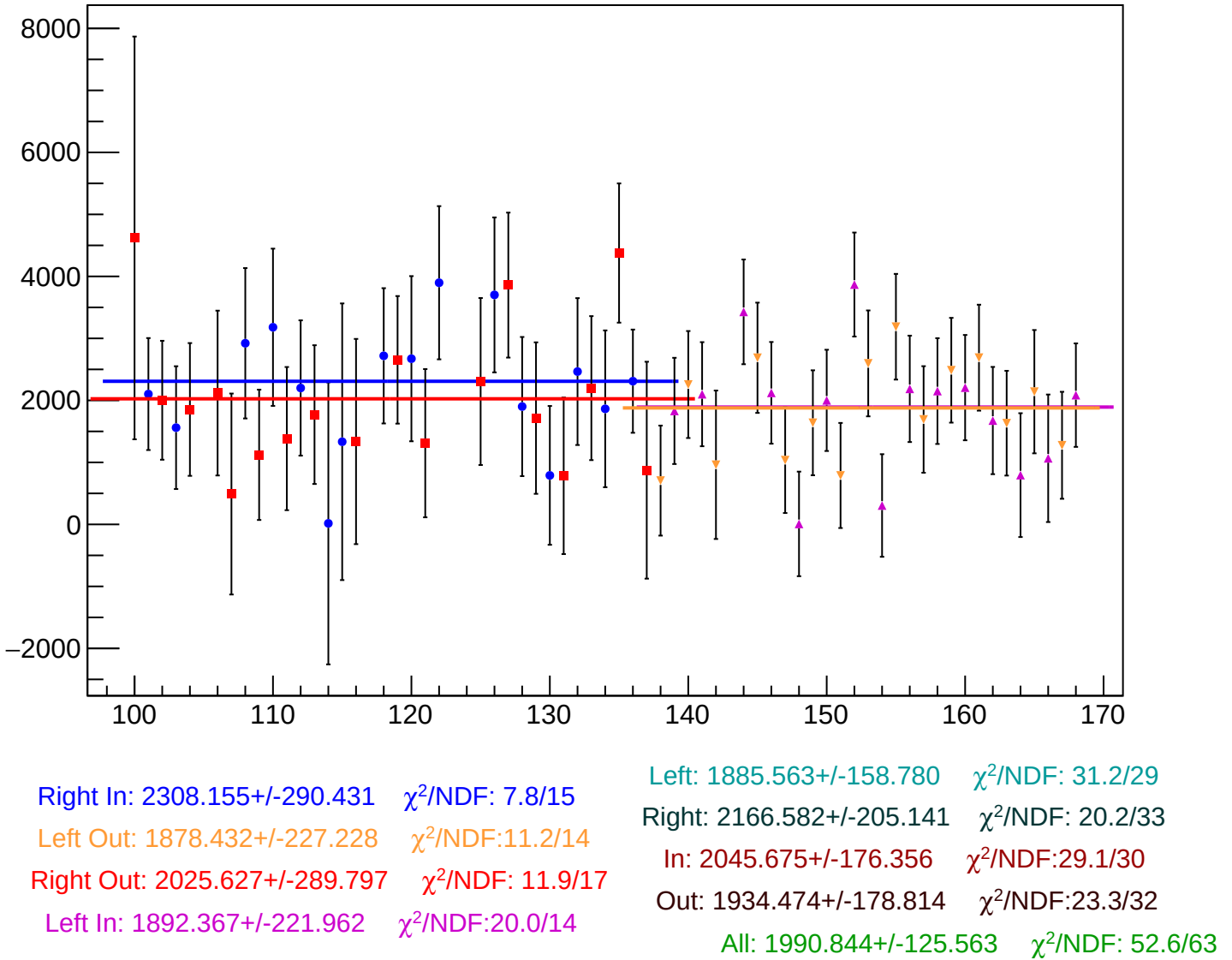
Left: 1349.056+/-0.199 χ^2/NDF: 1780870.2/29

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

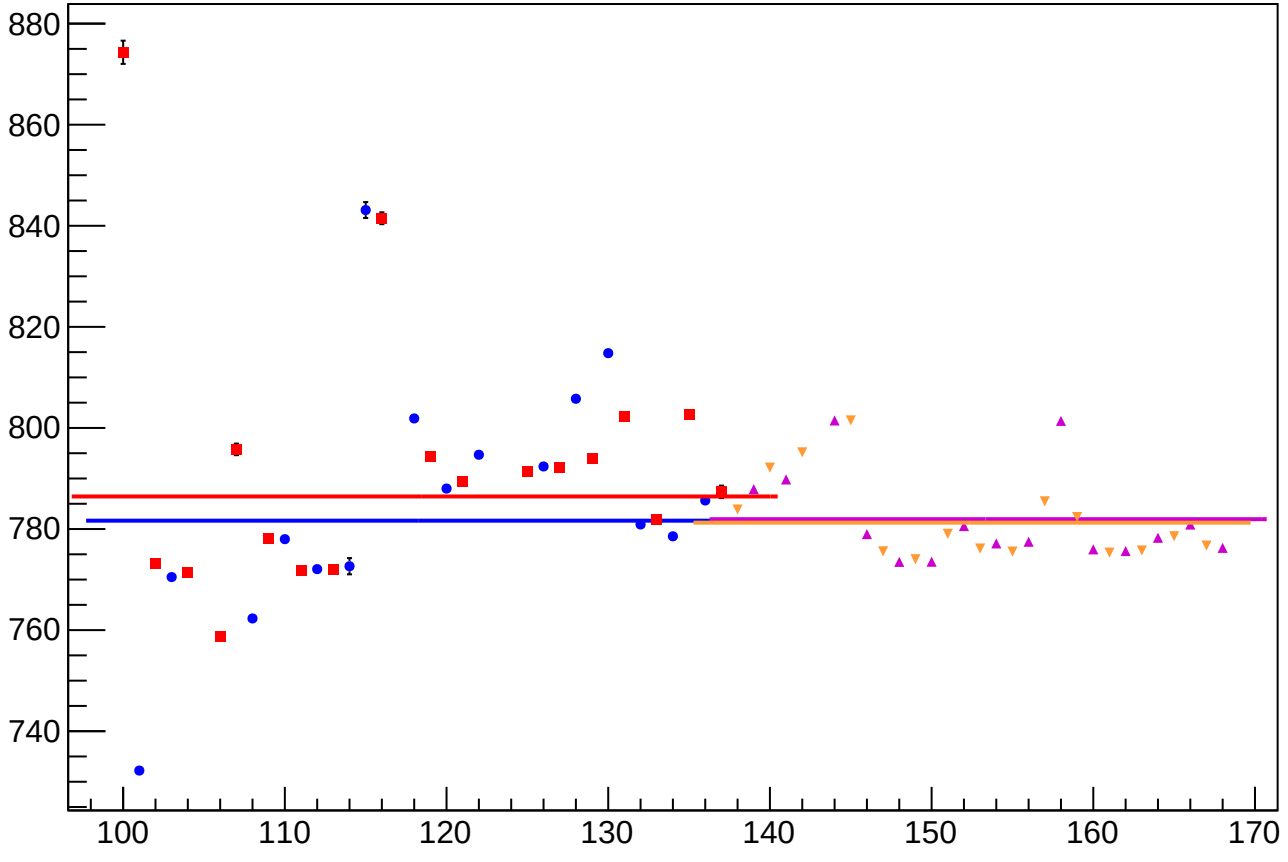
In: 1268.153+/-0.208 χ^2/NDF:1857291.7/30

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63


cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1878.432+/-227.228 χ²/NDF:11.2/14
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 1892.367+/-221.962 χ²/NDF:20.0/14
Left: 1885.563+/-158.780 χ²/NDF: 31.2/29
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2045.675+/-176.356 χ²/NDF:29.1/30
Out: 1934.474+/-178.814 χ²/NDF:23.3/32
All: 1990.844+/-125.563 χ²/NDF: 52.6/63

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

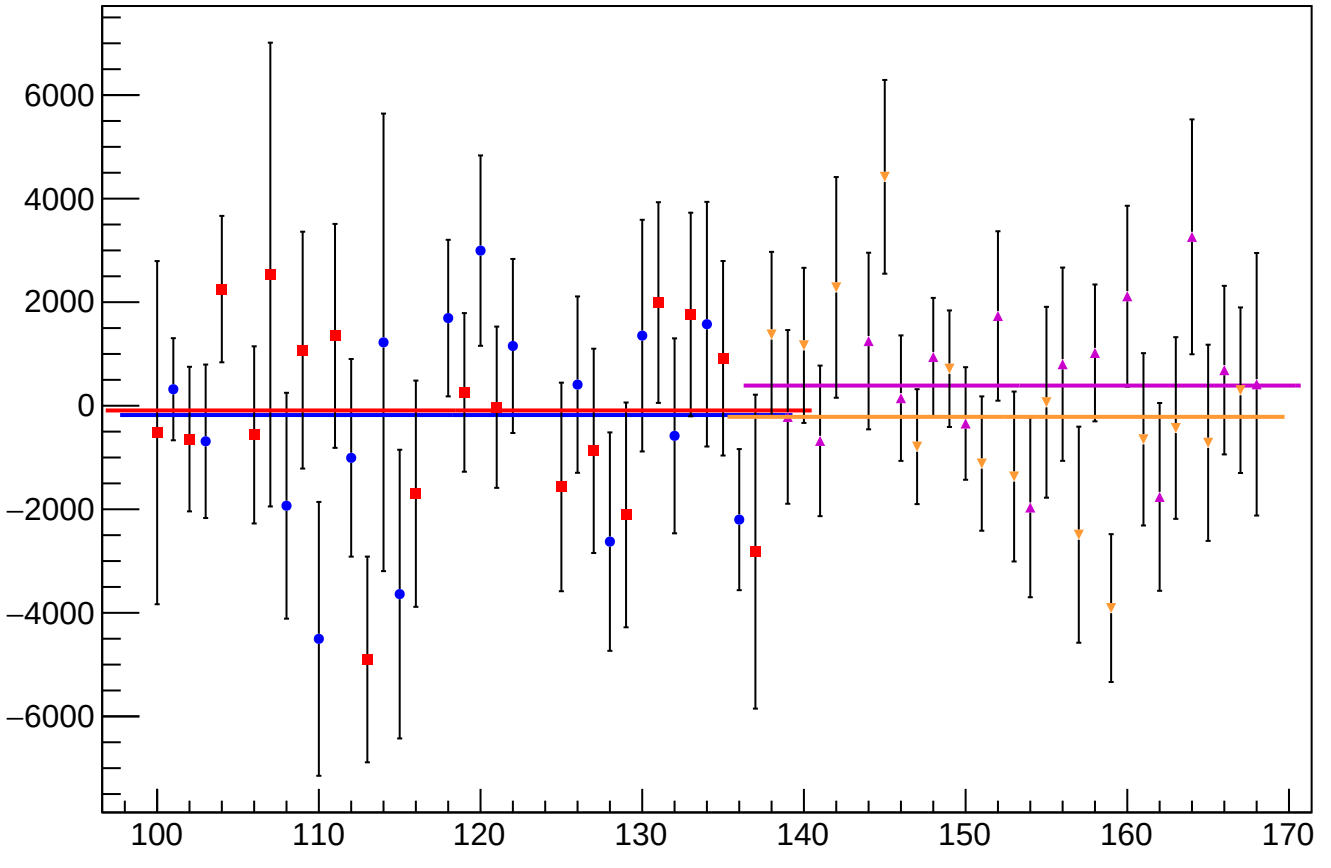
Left: 781.612+/-0.112 χ^2/NDF: 5635.7/29

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

In: 781.840+/-0.125 χ^2/NDF:15592.4/30

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63



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

Left Out: -214.767+/-399.011 χ^2/NDF:19.4/14

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

Left In: 389.389+/-395.556 χ^2/NDF:8.5/14

Left: 89.938+/-280.914 χ^2/NDF: 29.1/29

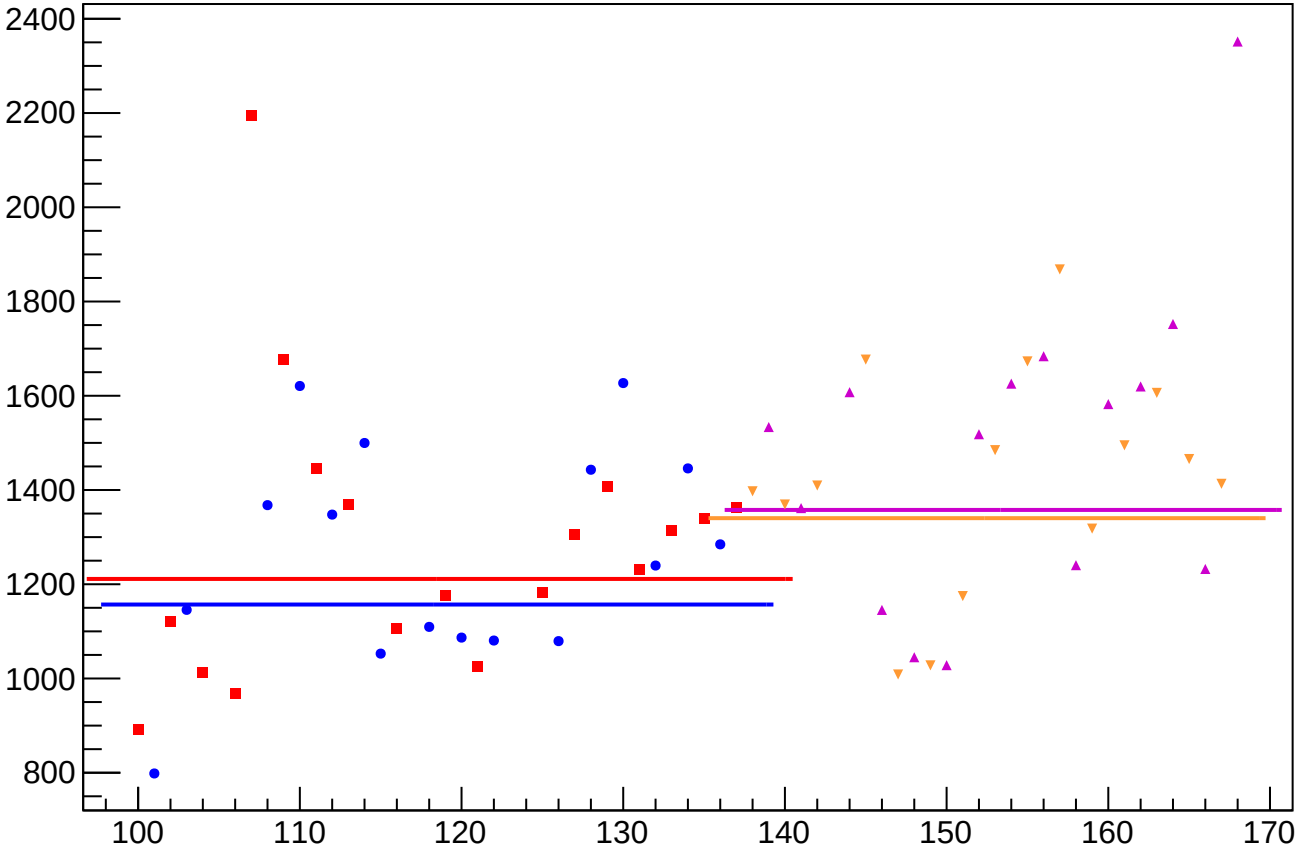
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 135.420+/-294.392 χ^2/NDF:24.8/30

Out: -161.063+/-299.942 χ^2/NDF:34.7/32

All: -10.053+/-210.101 χ^2/NDF: 60.0/63

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

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

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

Left: 1349.056+/-0.199 χ^2/NDF: 1780870.2/29

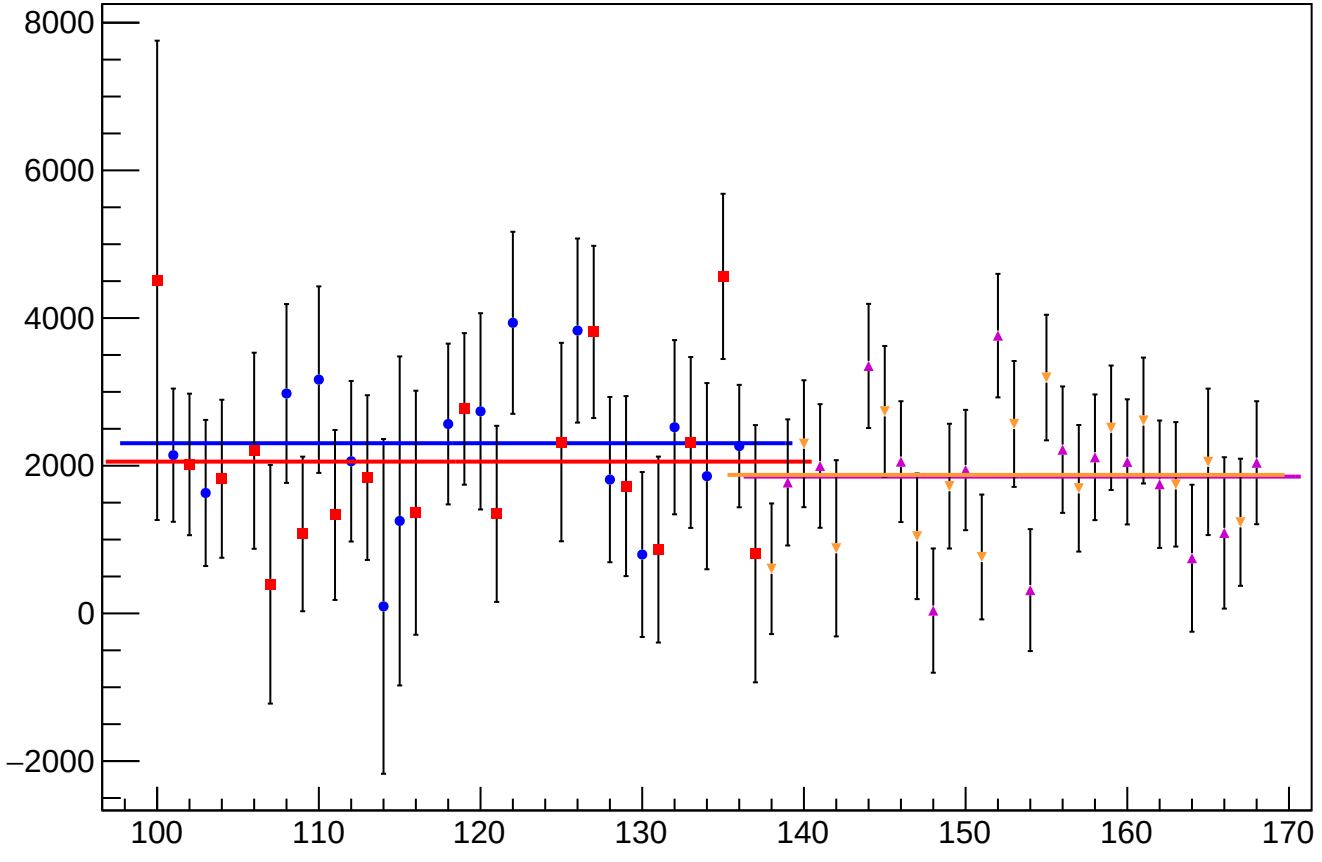
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1268.153+/-0.208 χ^2/NDF:1857291.7/30

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1875.988+/-226.618 χ^2/NDF:11.7/14

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

Left In: 1852.503+/-221.380 χ^2/NDF:18.8/14

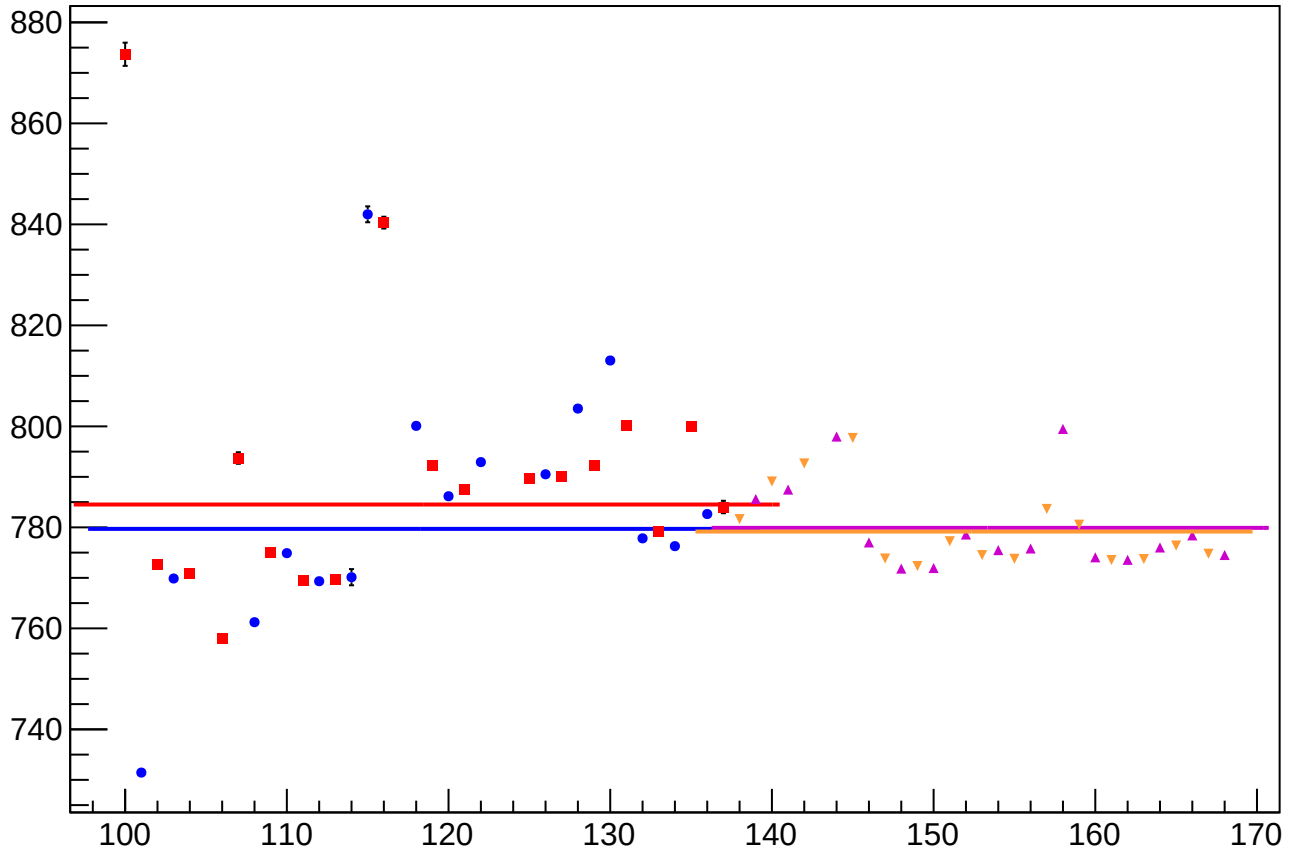
Left: 1863.971+/-158.359 χ^2/NDF: 30.5/29

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

In: 2019.267+/-175.901 χ^2/NDF:28.4/30

Out: 1944.376+/-178.351 χ^2/NDF:24.8/32

All: 1982.339+/-125.238 χ^2/NDF: 53.3/63



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

Left Out: 779.173+/-0.160 χ^2/NDF:2073.4/14

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

Left In: 779.902+/-0.157 χ^2/NDF:3065.4/14

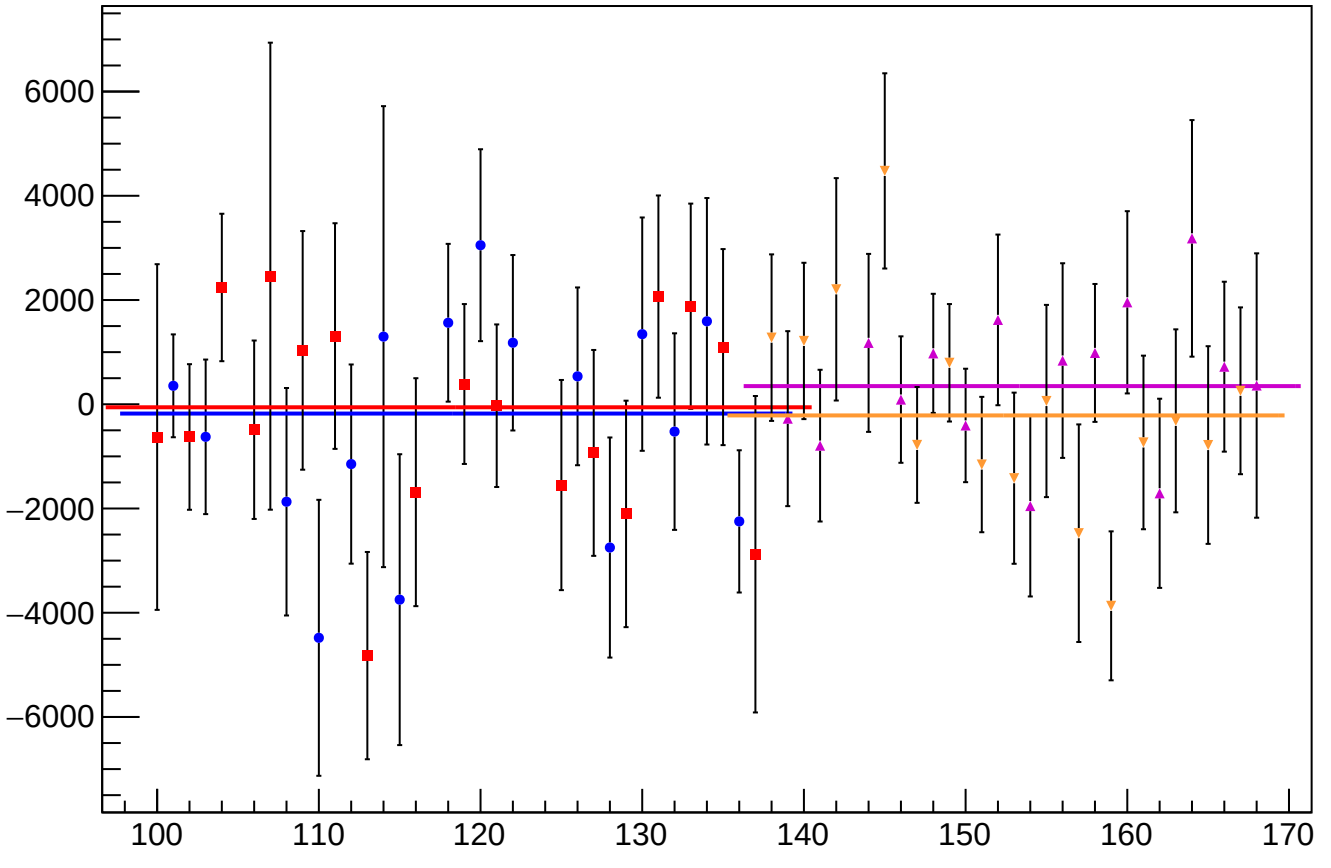
Left: 779.546+/-0.112 χ^2/NDF: 5149.3/29

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

In: 779.829+/-0.124 χ^2/NDF:15126.2/30

Out: 781.210+/-0.126 χ^2/NDF:9657.9/32

All: 780.510+/-0.089 χ^2/NDF: 24844.9/63



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

Left Out: -214.213+/-399.393 χ^2/NDF:19.5/14

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

Left In: 348.225+/-395.922 χ^2/NDF:8.2/14

Left: 69.460+/-281.179 χ^2/NDF: 28.7/29

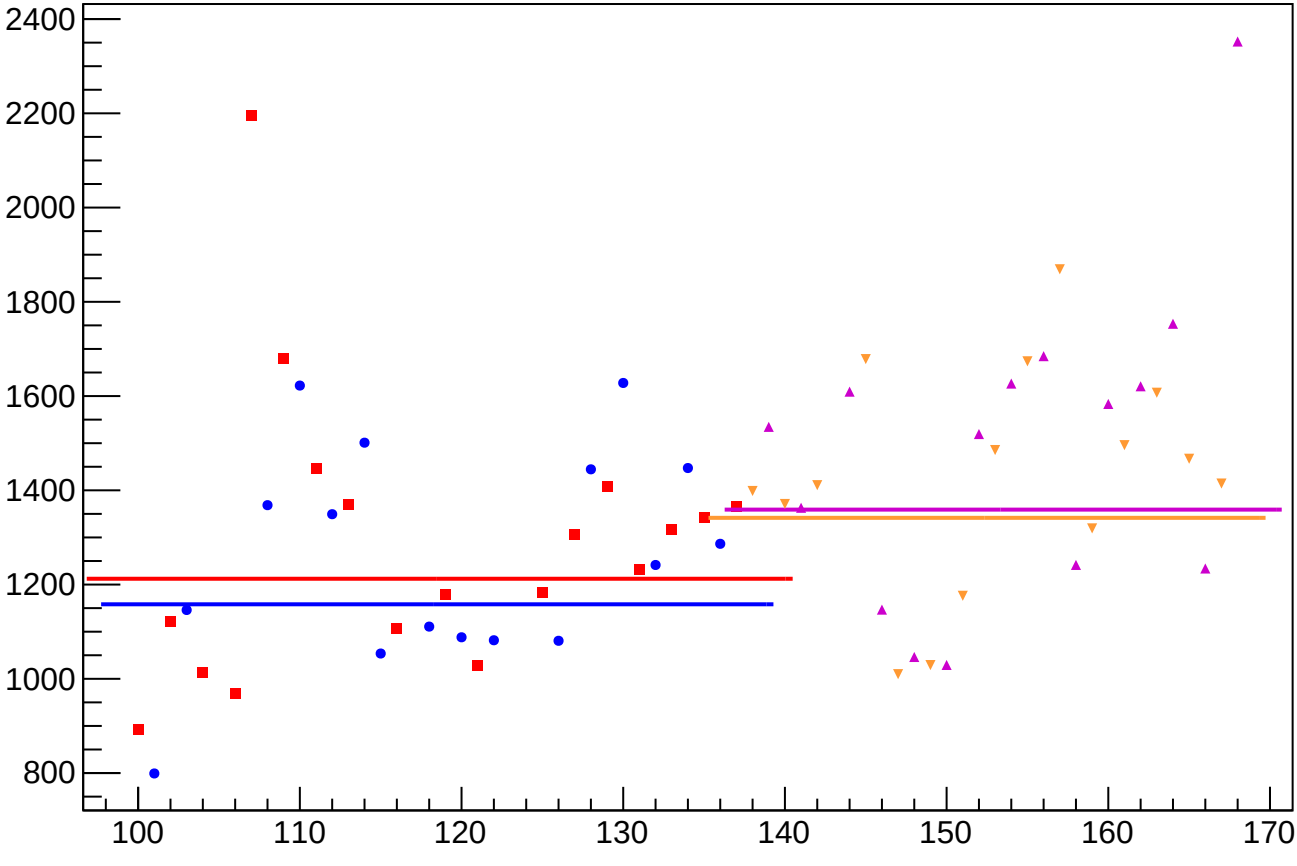
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 113.298+/-294.676 χ^2/NDF:24.7/30

Out: -146.284+/-300.221 χ^2/NDF:34.8/32

All: -14.074+/-210.301 χ^2/NDF: 59.9/63

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: 1341.614+/-0.282 χ^2/NDF:718699.8/14

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

Left In: 1359.052+/-0.280 χ^2/NDF:1055929.8/14

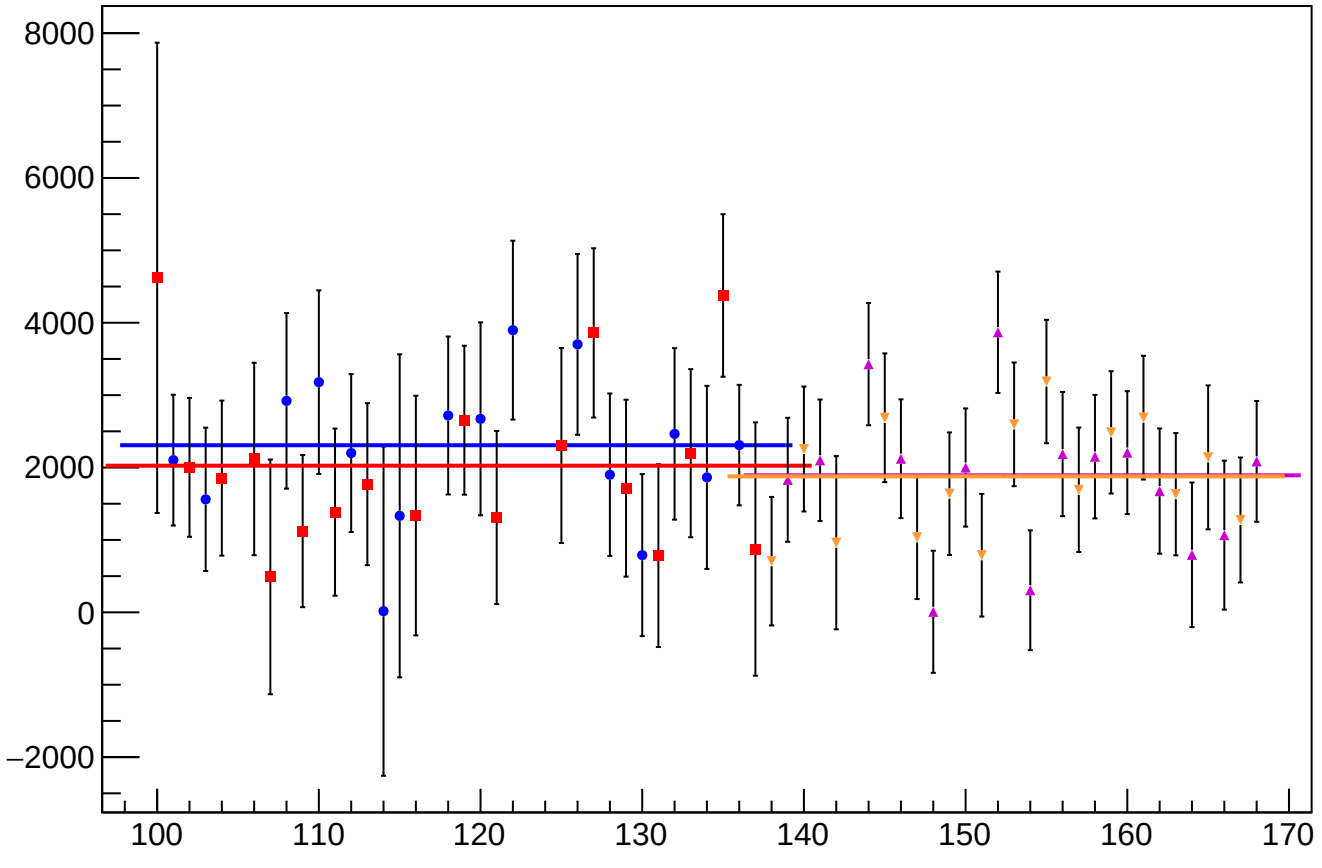
Left: 1350.409+/-0.199 χ^2/NDF: 1776552.6/29

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

In: 1269.432+/-0.208 χ^2/NDF:1854812.7/30

Out: 1285.388+/-0.212 χ^2/NDF:1207765.8/32

All: 1277.261+/-0.149 χ^2/NDF: 3065455.7/63



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

Left Out: 1878.432+/-227.228 χ^2/NDF:11.2/14

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

Left In: 1892.367+/-221.962 χ^2/NDF:20.0/14

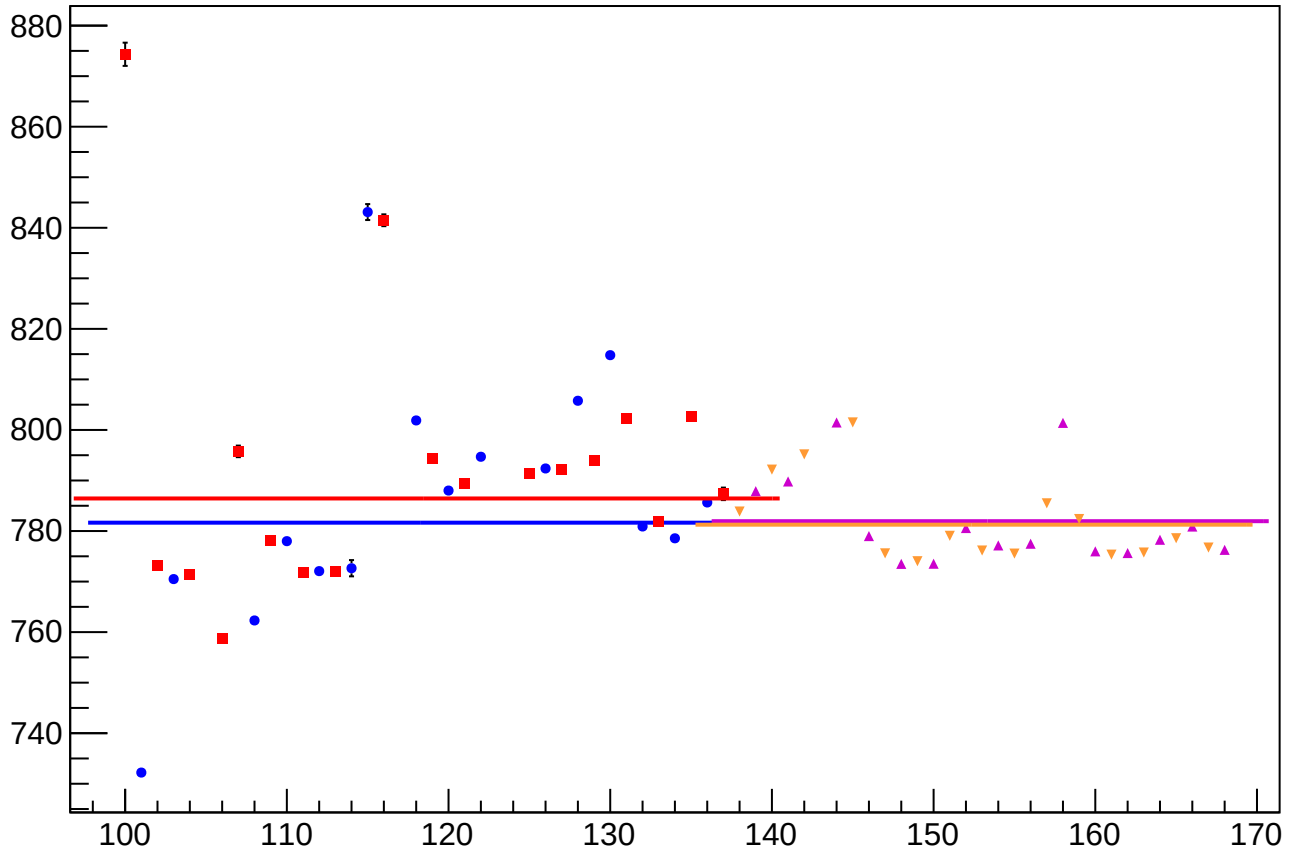
Left: 1885.563+/-158.780 χ^2/NDF: 31.2/29

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

In: 2045.675+/-176.356 χ^2/NDF:29.1/30

Out: 1934.474+/-178.814 χ^2/NDF:23.3/32

All: 1990.844+/-125.563 χ^2/NDF: 52.6/63



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

Left Out: 781.260+/-0.161 χ^2/NDF:2354.2/14

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

Left In: 781.949+/-0.157 χ^2/NDF:3272.1/14

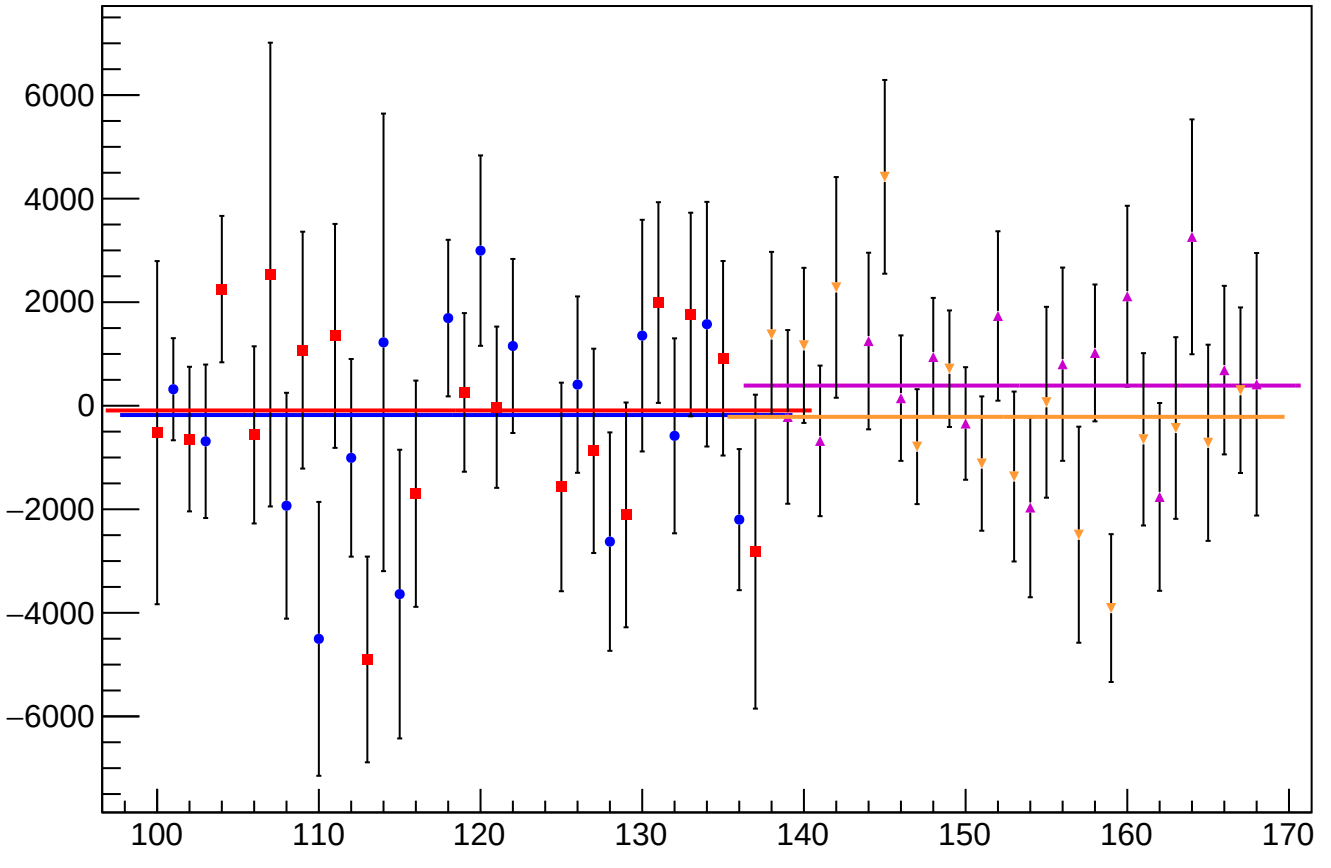
Left: 781.612+/-0.112 χ^2/NDF: 5635.7/29

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

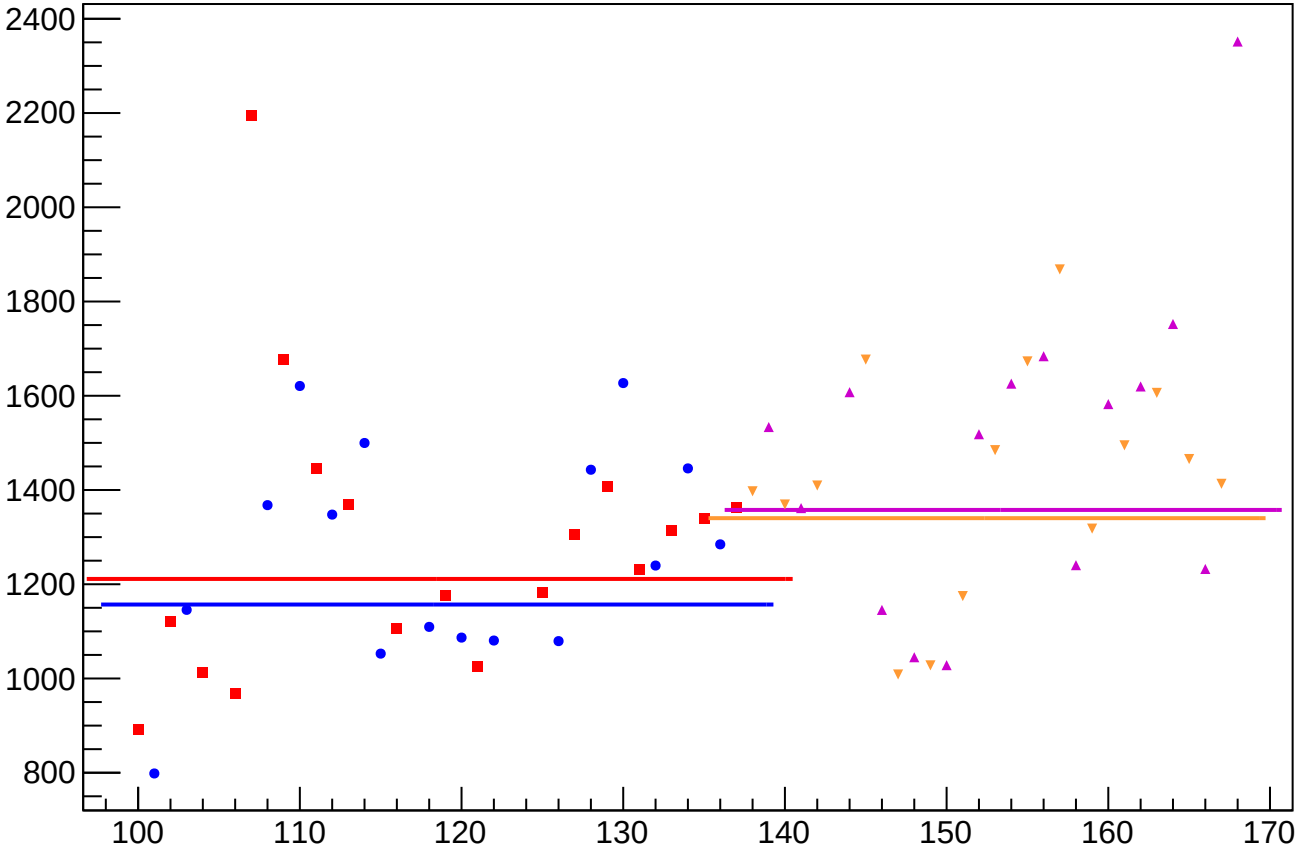
In: 781.840+/-0.125 χ^2/NDF:15592.4/30

Out: 783.233+/-0.126 χ^2/NDF:9952.1/32

All: 782.527+/-0.089 χ^2/NDF: 25606.0/63


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -214.767+/-399.011 χ²/NDF:19.4/14
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 389.389+/-395.556 χ²/NDF:8.5/14
Left: 89.938+/-280.914 χ²/NDF: 29.1/29
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 135.420+/-294.392 χ²/NDF:24.8/30
Out: -161.063+/-299.942 χ²/NDF:34.7/32
All: -10.053+/-210.101 χ²/NDF: 60.0/63

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1340.249+/-0.282 χ^2/NDF:720598.0/14

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

Left In: 1357.712+/-0.280 χ^2/NDF:1058340.1/14

Left: 1349.056+/-0.199 χ^2/NDF: 1780870.2/29

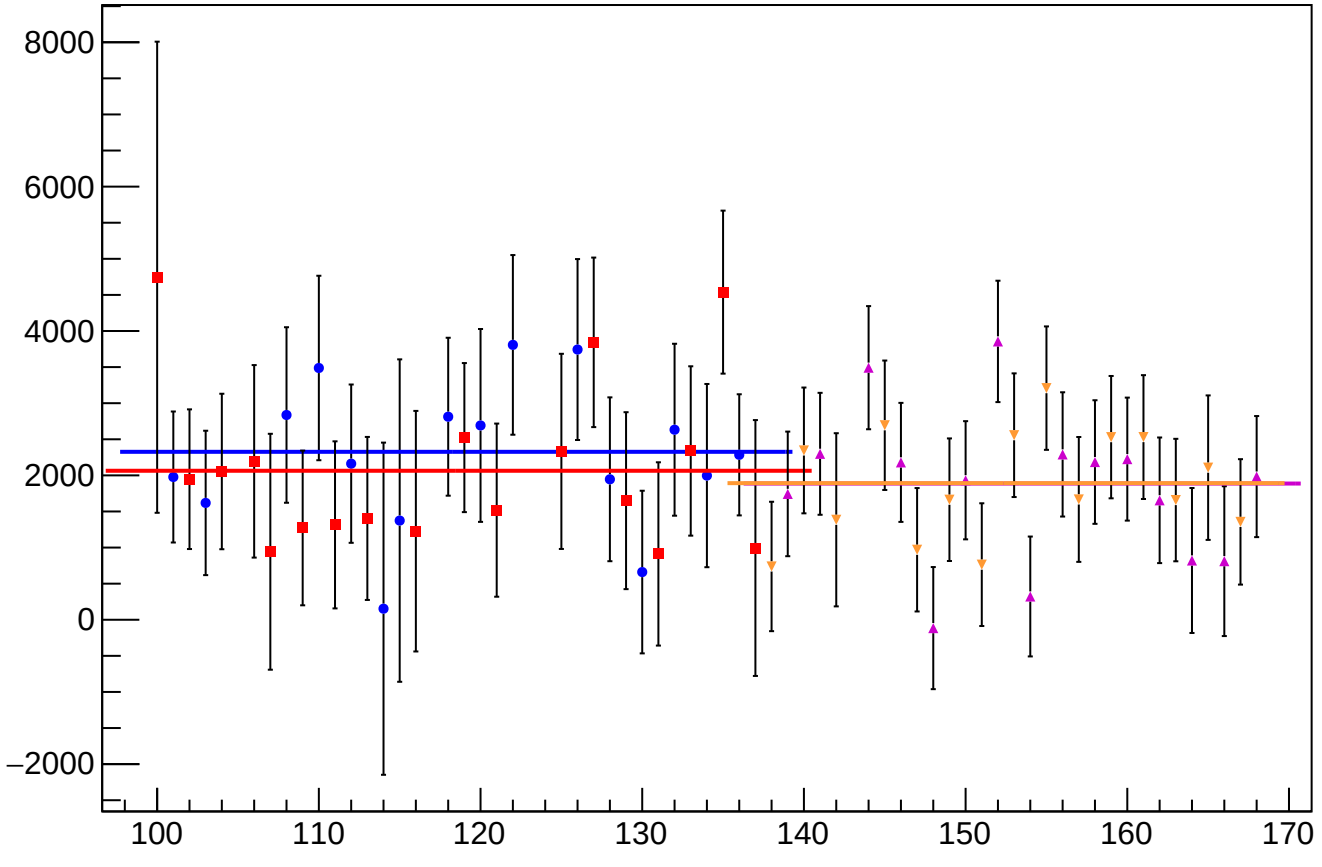
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1268.153+/-0.208 χ^2/NDF:1857291.7/30

Out: 1284.150+/-0.212 χ^2/NDF:1209209.9/32

All: 1276.002+/-0.149 χ^2/NDF: 3069399.3/63

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1892.302+/-228.376 χ^2/NDF:10.6/14

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

Left In: 1886.859+/-223.044 χ^2/NDF:21.4/14

Left: 1889.516+/-159.568 χ^2/NDF: 31.9/29

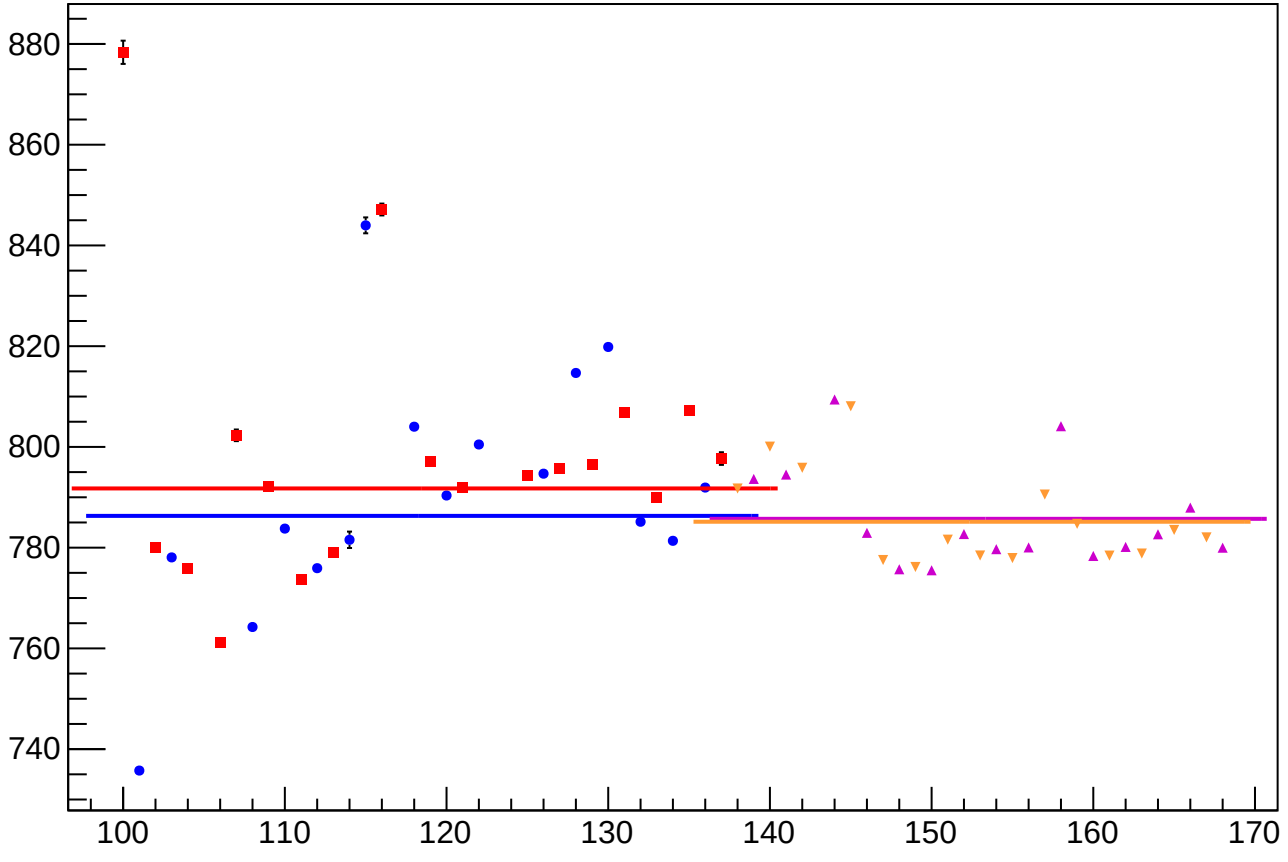
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2048.707+/-177.289 χ^2/NDF:30.9/30

Out: 1957.517+/-179.842 χ^2/NDF:22.4/32

All: 2003.763+/-126.255 χ^2/NDF: 53.5/63

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

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

Left In: 785.724+/-0.158 χ^2/NDF:4036.3/14

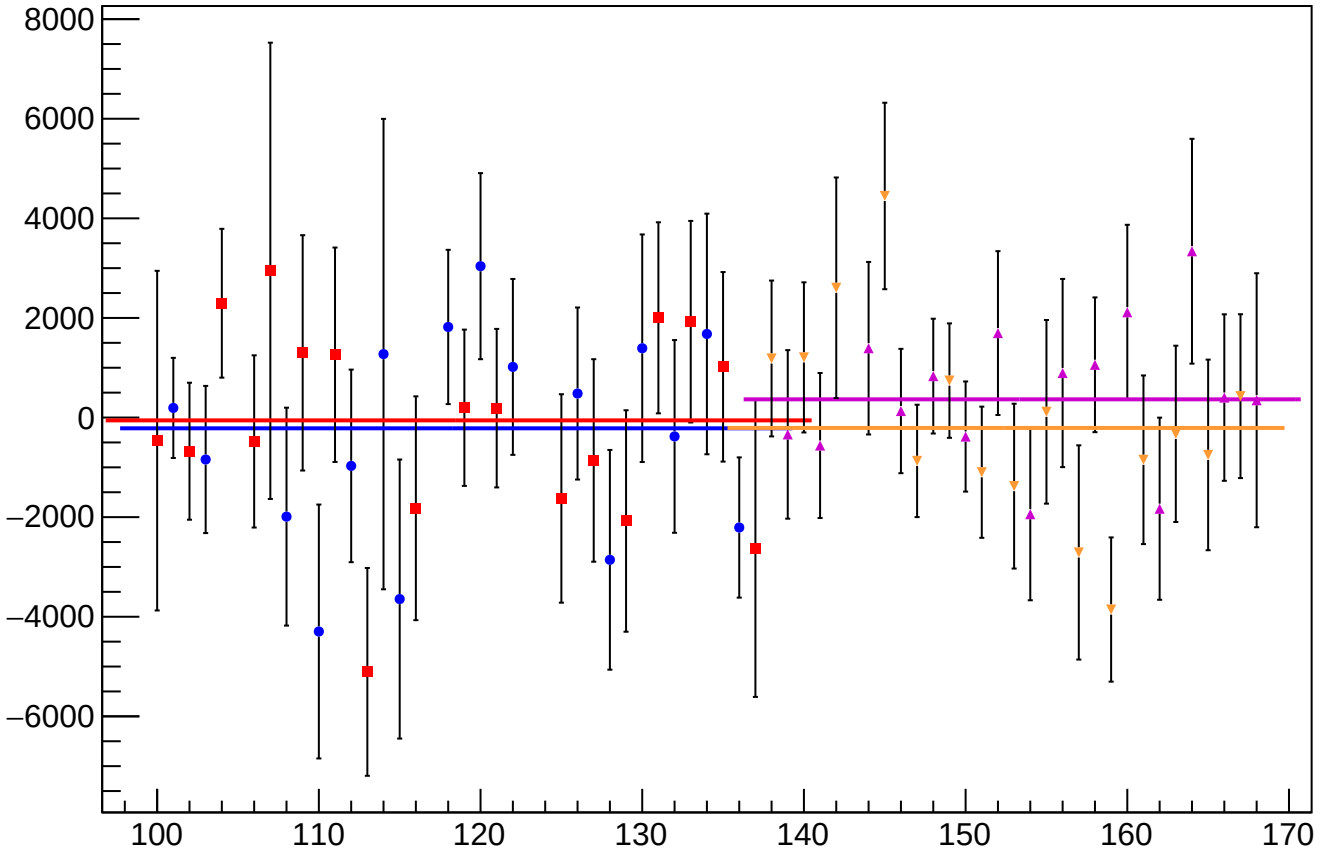
Left: 785.442+/-0.113 χ^2/NDF: 7228.0/29

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

In: 785.939+/-0.125 χ^2/NDF:16612.4/30

Out: 787.657+/-0.127 χ^2/NDF:10836.7/32

All: 786.786+/-0.089 χ^2/NDF: 27541.7/63



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

Left Out: -208.742+/-404.238 χ^2/NDF:19.6/14

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

Left In: 365.515+/-400.708 χ^2/NDF:8.5/14

Left: 80.904+/-284.583 χ^2/NDF: 29.1/29

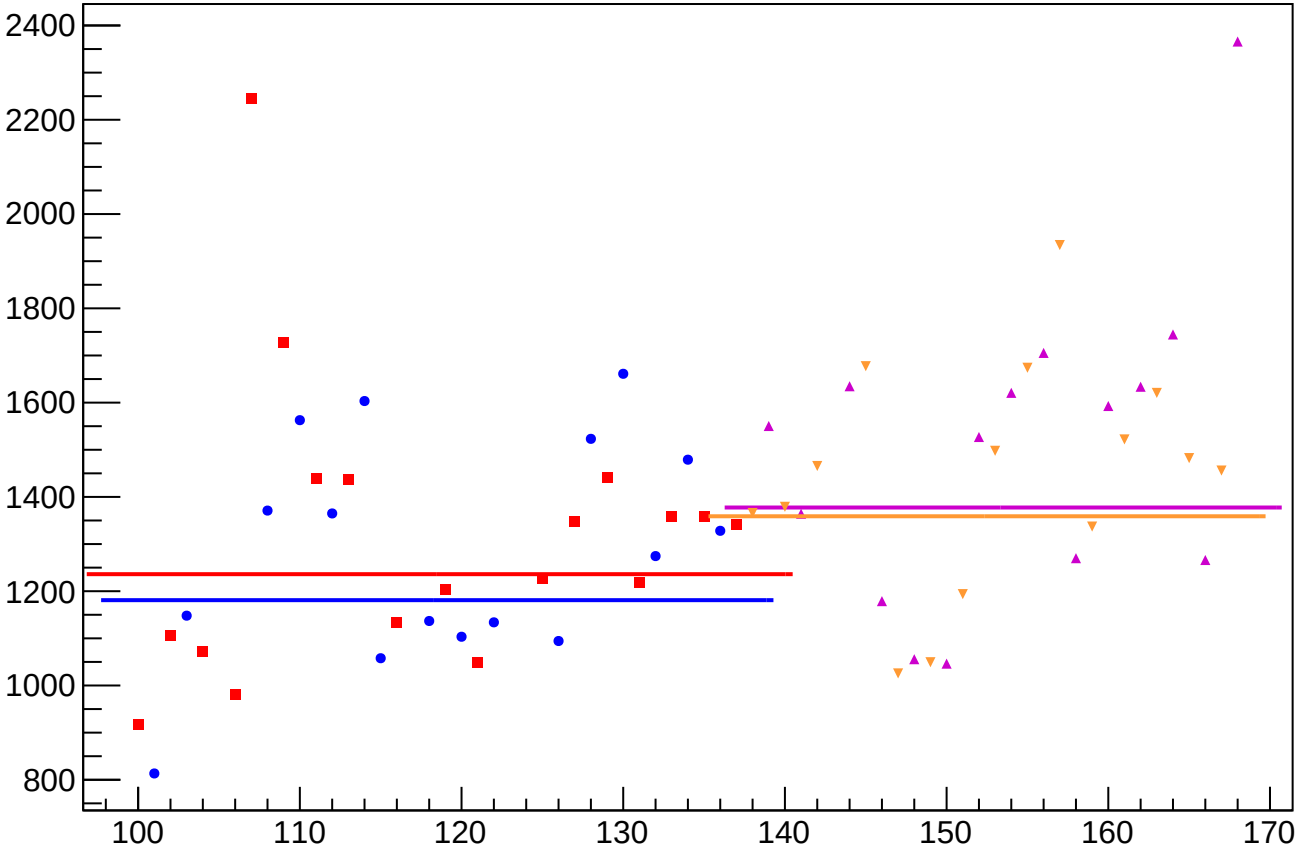
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 107.962+/-299.123 χ^2/NDF:24.7/30

Out: -143.170+/-304.787 χ^2/NDF:34.8/32

All: -15.249+/-213.486 χ^2/NDF: 59.8/63

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1358.938+/-0.286 χ^2/NDF:707511.5/14

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

Left In: 1377.521+/-0.283 χ^2/NDF:1011446.6/14

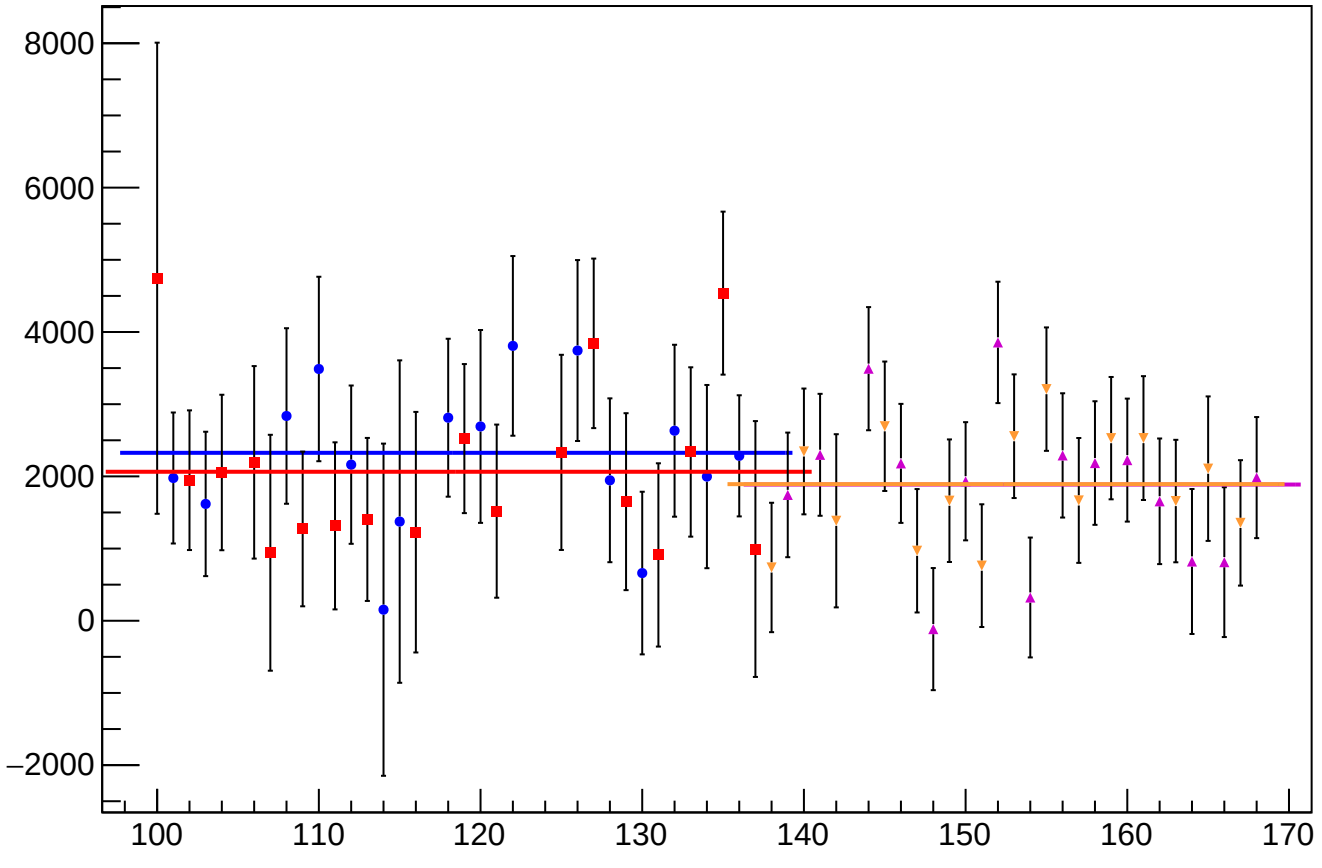
Left: 1368.311+/-0.201 χ^2/NDF: 1721089.9/29

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

In: 1290.508+/-0.212 χ^2/NDF:1795549.3/30

Out: 1305.946+/-0.216 χ^2/NDF:1184402.1/32

All: 1298.083+/-0.151 χ^2/NDF: 2982565.1/63



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

Left Out: 1892.298+/-228.376 χ^2/NDF:10.6/14

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

Left In: 1886.860+/-223.044 χ^2/NDF:21.4/14

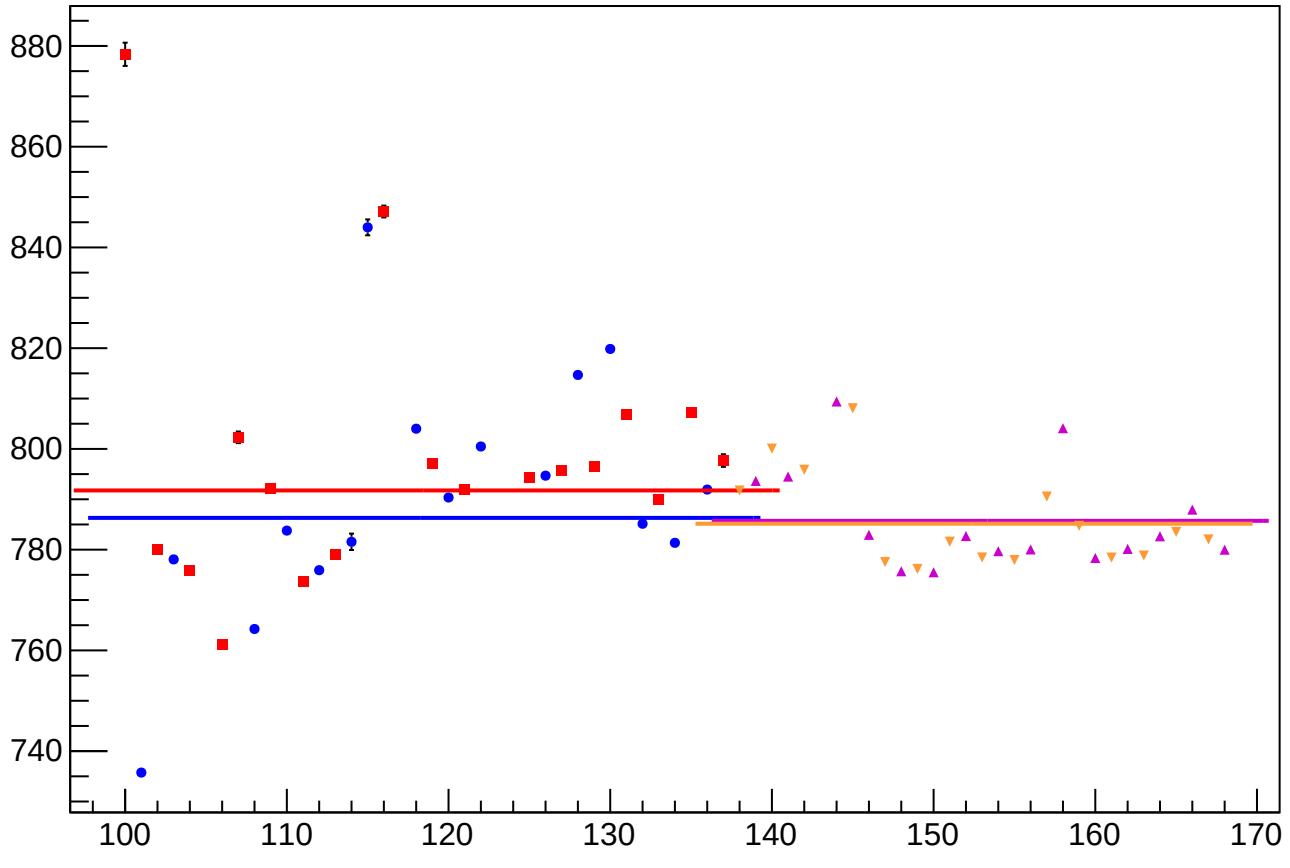
Left: 1889.515+/-159.568 χ^2/NDF: 31.9/29

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

In: 2048.707+/-177.289 χ^2/NDF:30.9/30

Out: 1957.514+/-179.841 χ^2/NDF:22.4/32

All: 2003.762+/-126.255 χ^2/NDF: 53.5/63



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

Left Out: 785.146+/-0.161 χ^2/NDF:3185.1/14

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

Left In: 785.724+/-0.158 χ^2/NDF:4036.3/14

Left: 785.442+/-0.113 χ^2/NDF: 7227.9/29

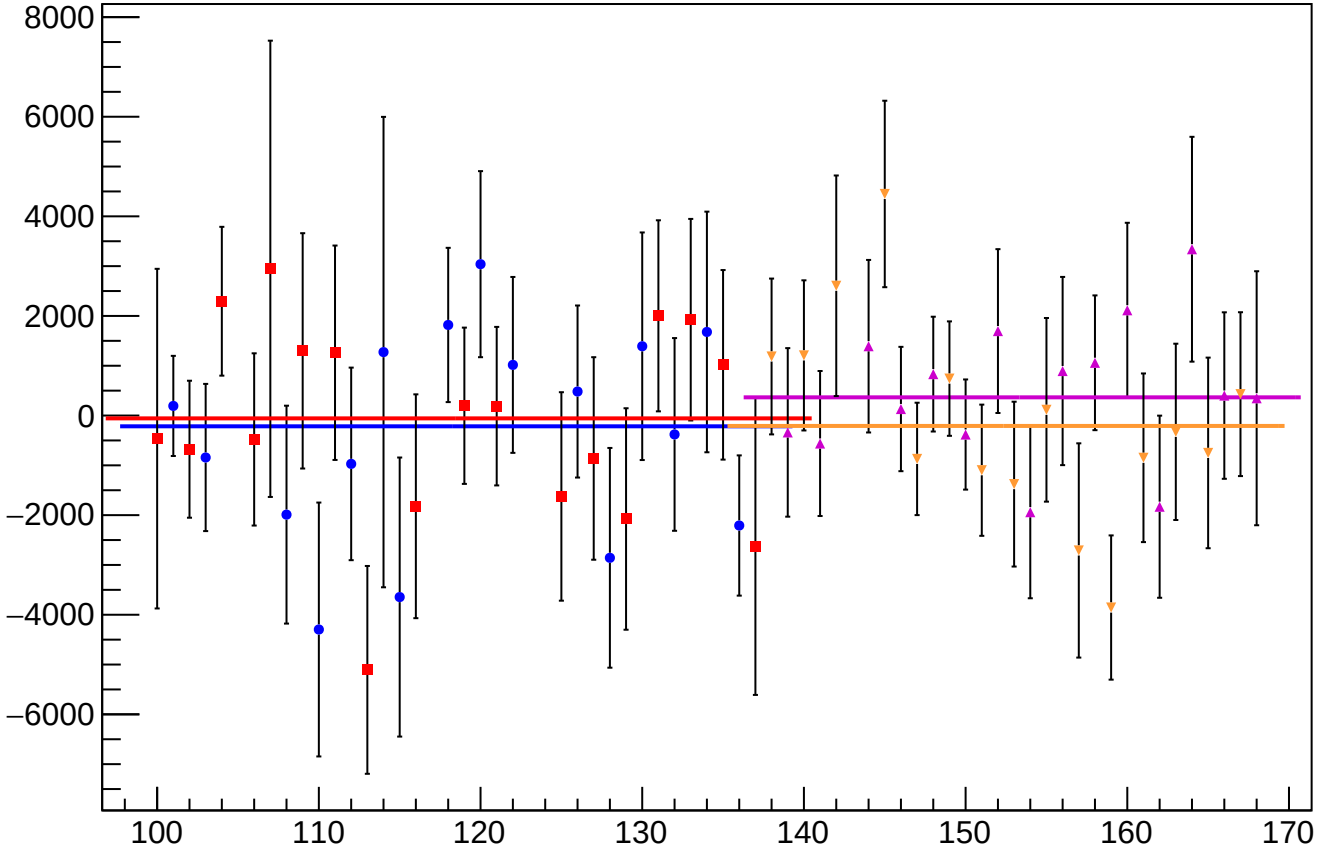
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 785.939+/-0.125 χ^2/NDF:16612.4/30

Out: 787.657+/-0.127 χ^2/NDF:10836.7/32

All: 786.786+/-0.089 χ^2/NDF: 27541.6/63

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -208.746+/-404.239 χ^2/NDF:19.6/14

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

Left In: 365.516+/-400.709 χ^2/NDF:8.5/14

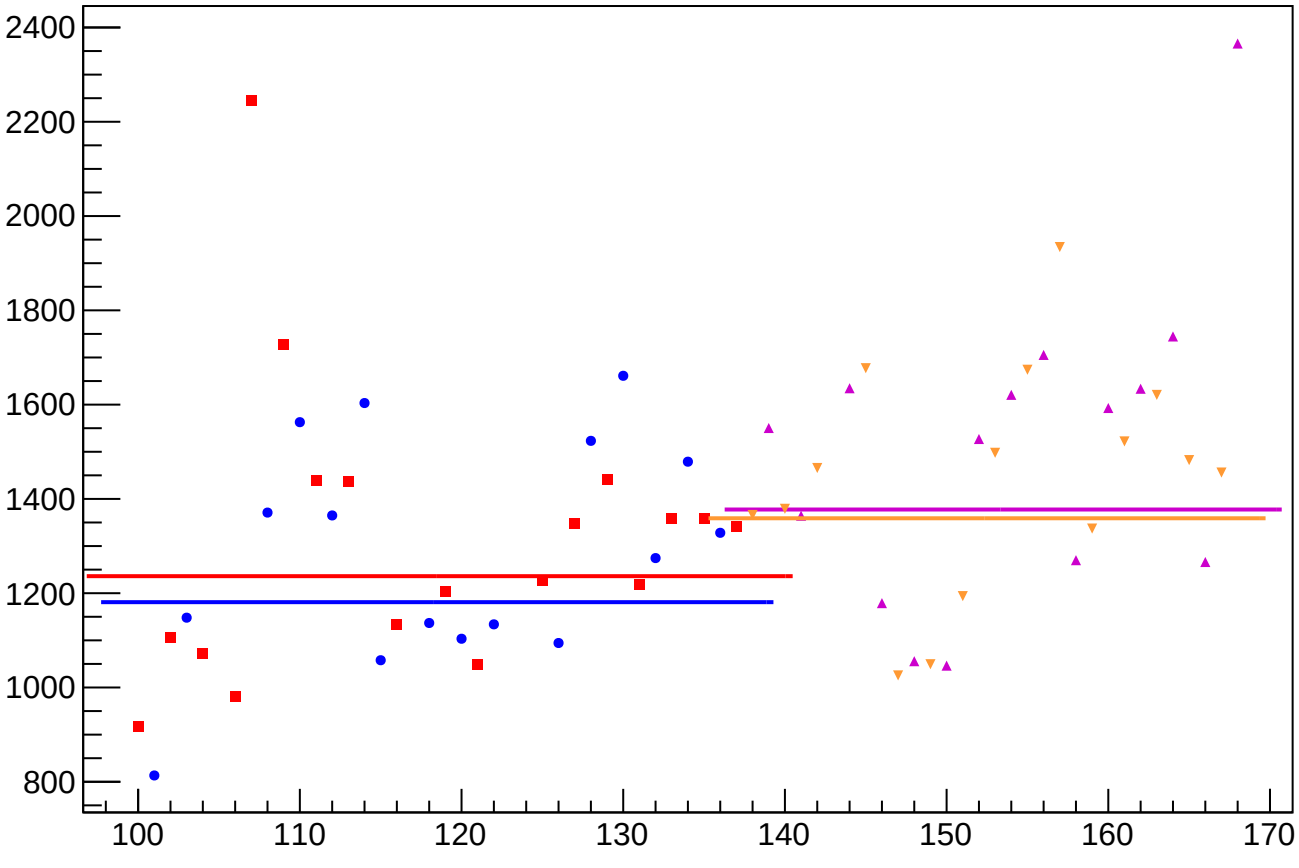
Left: 80.903+/-284.584 χ^2/NDF: 29.1/29

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

In: 107.962+/-299.123 χ^2/NDF:24.7/30

Out: -143.172+/-304.787 χ^2/NDF:34.8/32

All: -15.250+/-213.486 χ^2/NDF: 59.8/63



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

Left Out: 1358.941+/-0.286 χ^2/NDF:707513.5/14

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

Left In: 1377.524+/-0.283 χ^2/NDF:1011447.2/14

Left: 1368.314+/-0.201 χ^2/NDF: 1721092.5/29

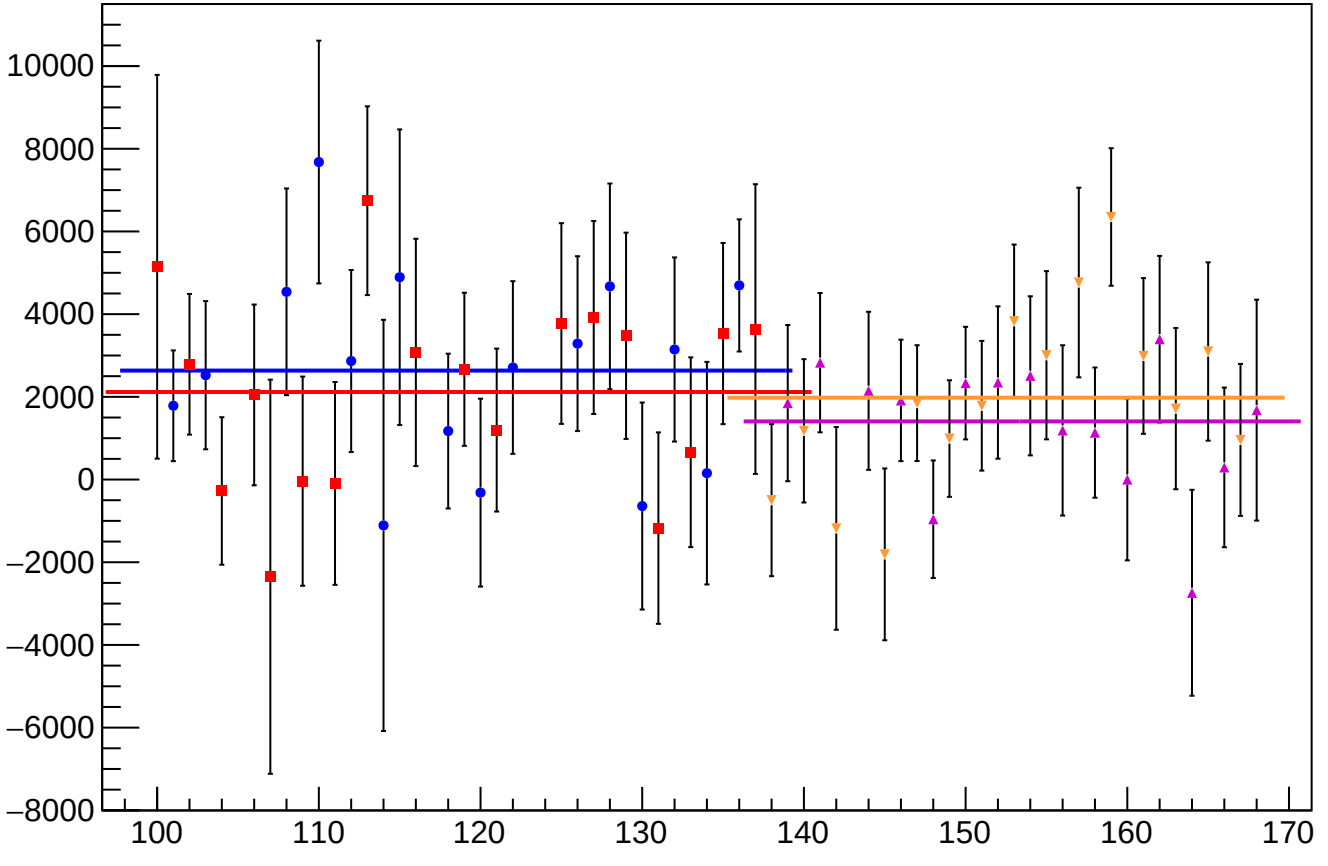
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1290.508+/-0.212 χ^2/NDF:1795560.1/30

Out: 1305.946+/-0.216 χ^2/NDF:1184410.4/32

All: 1298.082+/-0.151 χ^2/NDF: 2982584.1/63

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1979.844+/-466.978 χ^2/NDF:18.0/14

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

Left In: 1405.693+/-461.940 χ^2/NDF:9.5/14

Left: 1689.655+/-328.408 χ^2/NDF: 28.3/29

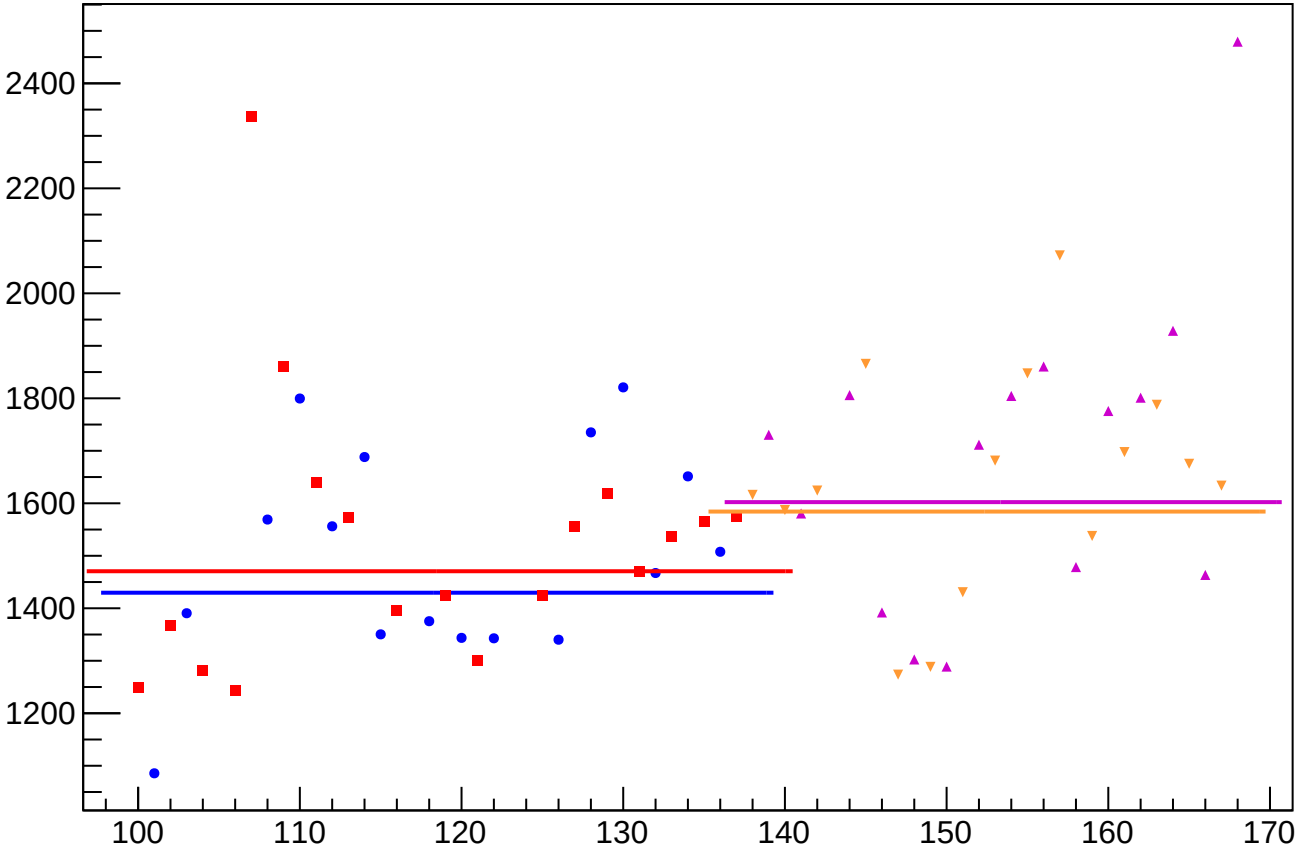
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1927.508+/-350.484 χ^2/NDF:24.8/30

Out: 2037.674+/-355.291 χ^2/NDF:31.8/32

All: 1981.841+/-249.512 χ^2/NDF: 56.6/63

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1584.239+/-0.330 χ^2/NDF:408589.9/14

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

Left In: 1602.232+/-0.327 χ^2/NDF:636598.2/14

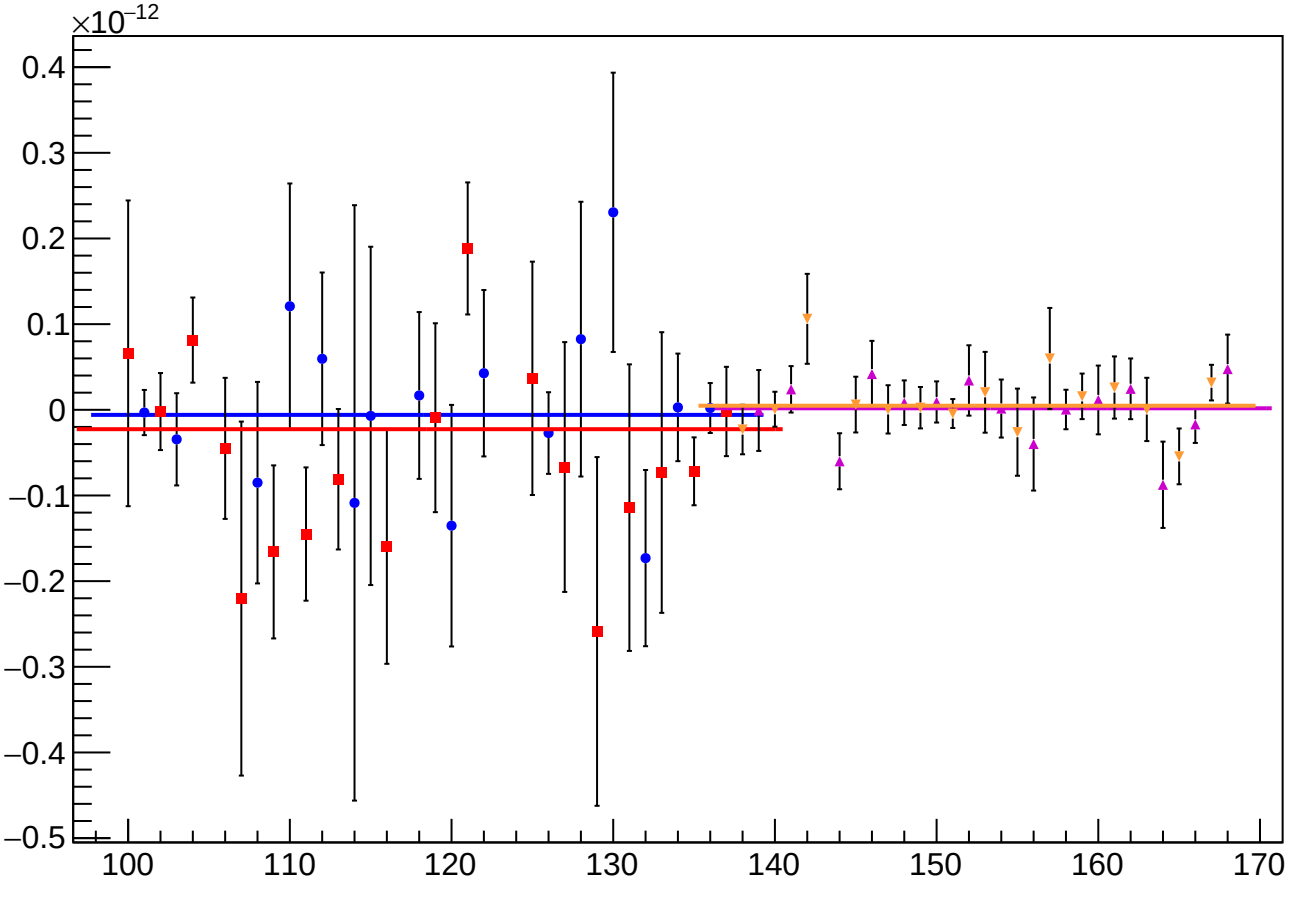
Left: 1593.333+/-0.232 χ^2/NDF: 1046688.8/29

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

In: 1529.000+/-0.248 χ^2/NDF:1048439.4/30

Out: 1536.366+/-0.251 χ^2/NDF:676567.2/32

All: 1532.633+/-0.176 χ^2/NDF: 1725442.3/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/14

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

Left In: 0.000+/-0.000 χ^2/NDF:12.3/14

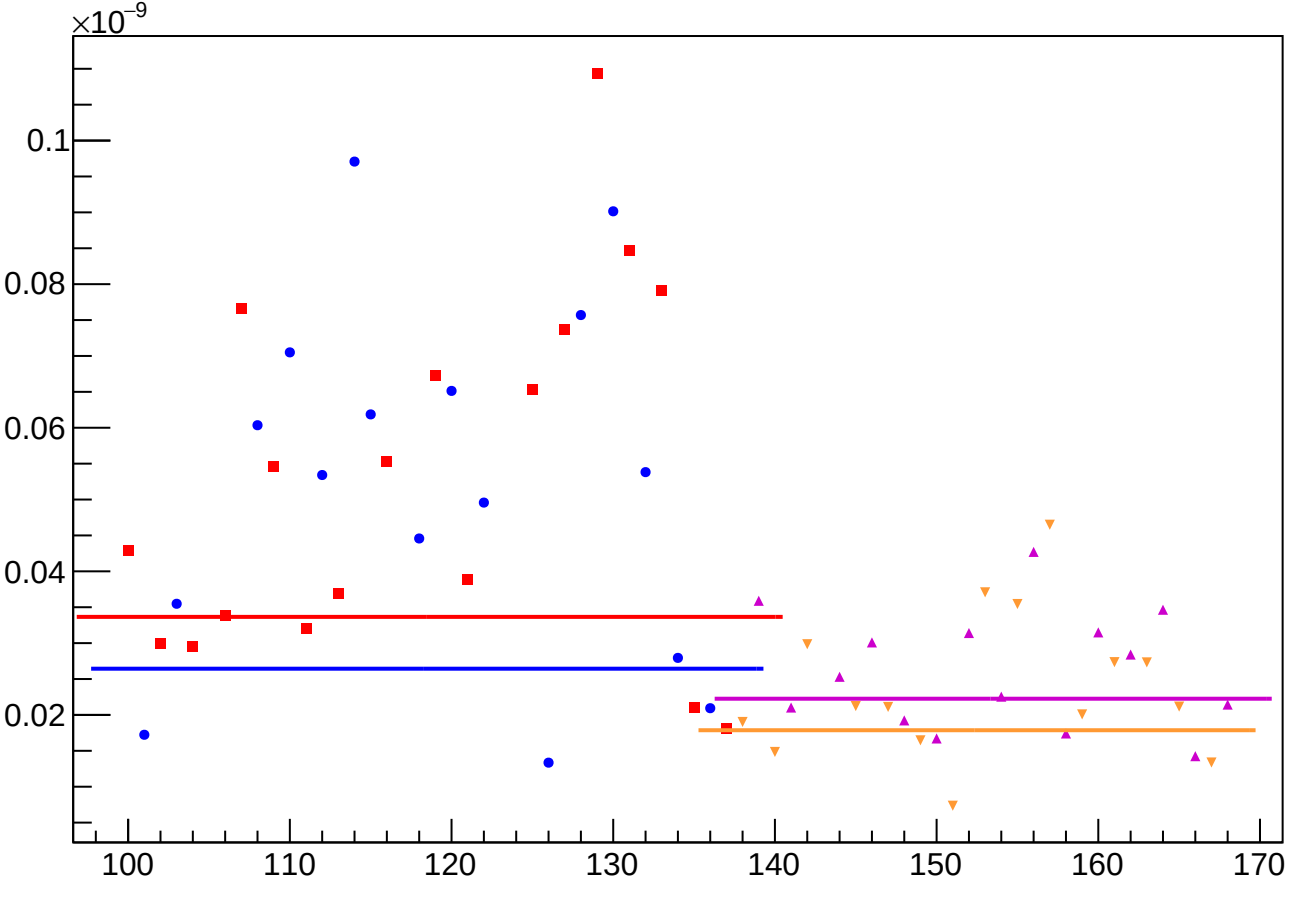
Left: 0.000+/-0.000 χ^2/NDF: 24.3/29

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

In: 0.000+/-0.000 χ^2/NDF:21.1/30

Out: 0.000+/-0.000 χ^2/NDF:36.9/32

All: 0.000+/-0.000 χ^2/NDF: 58.0/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:2418050.2/14

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

Left In: 0.000+/-0.000 χ^2/NDF:1434872.0/14

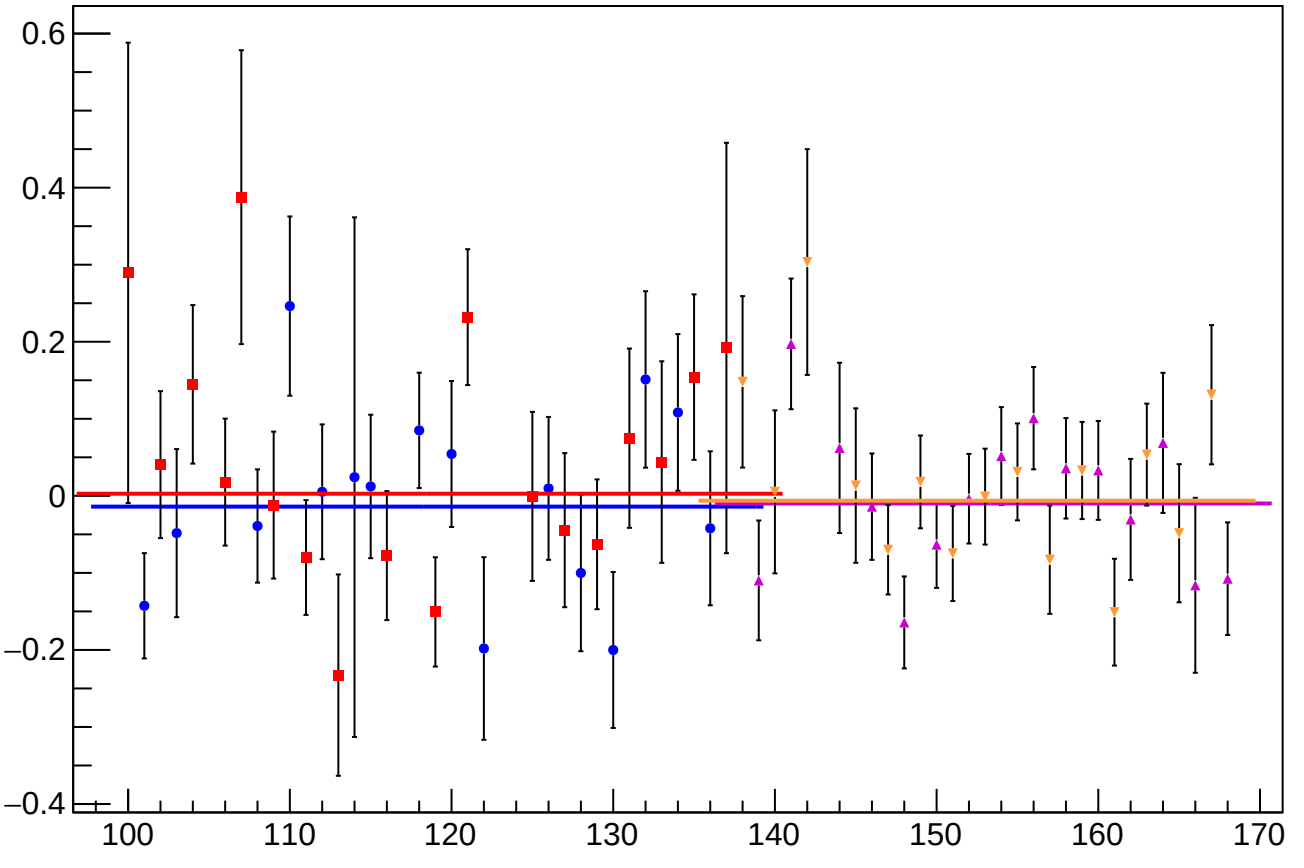
Left: 0.000+/-0.000 χ^2/NDF: 4171801.9/29

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

In: 0.000+/-0.000 χ^2/NDF:3690812.5/30

Out: 0.000+/-0.000 χ^2/NDF:5426453.7/32

All: 0.000+/-0.000 χ^2/NDF: 9317641.4/63



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

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

Left In: -0.010+/-0.018 χ^2/NDF:23.8/14

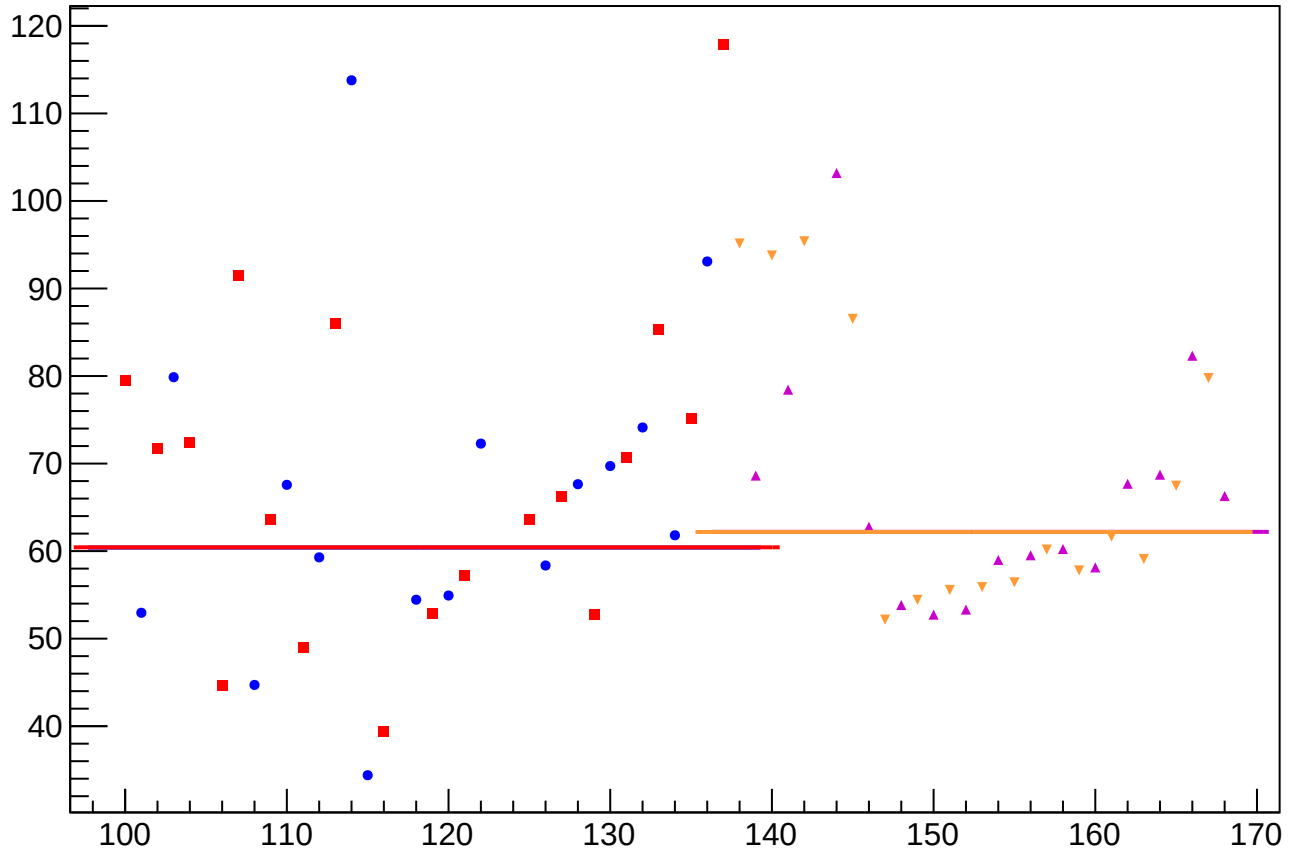
Left: -0.008+/-0.013 χ^2/NDF: 42.5/29

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

In: -0.011+/-0.015 χ^2/NDF:45.1/30

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.007+/-0.010 χ^2/NDF: 91.8/63



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

Left Out: 62.189+/-0.013 χ^2/NDF:825837.1/14

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

Left In: 62.199+/-0.013 χ^2/NDF:612096.2/14

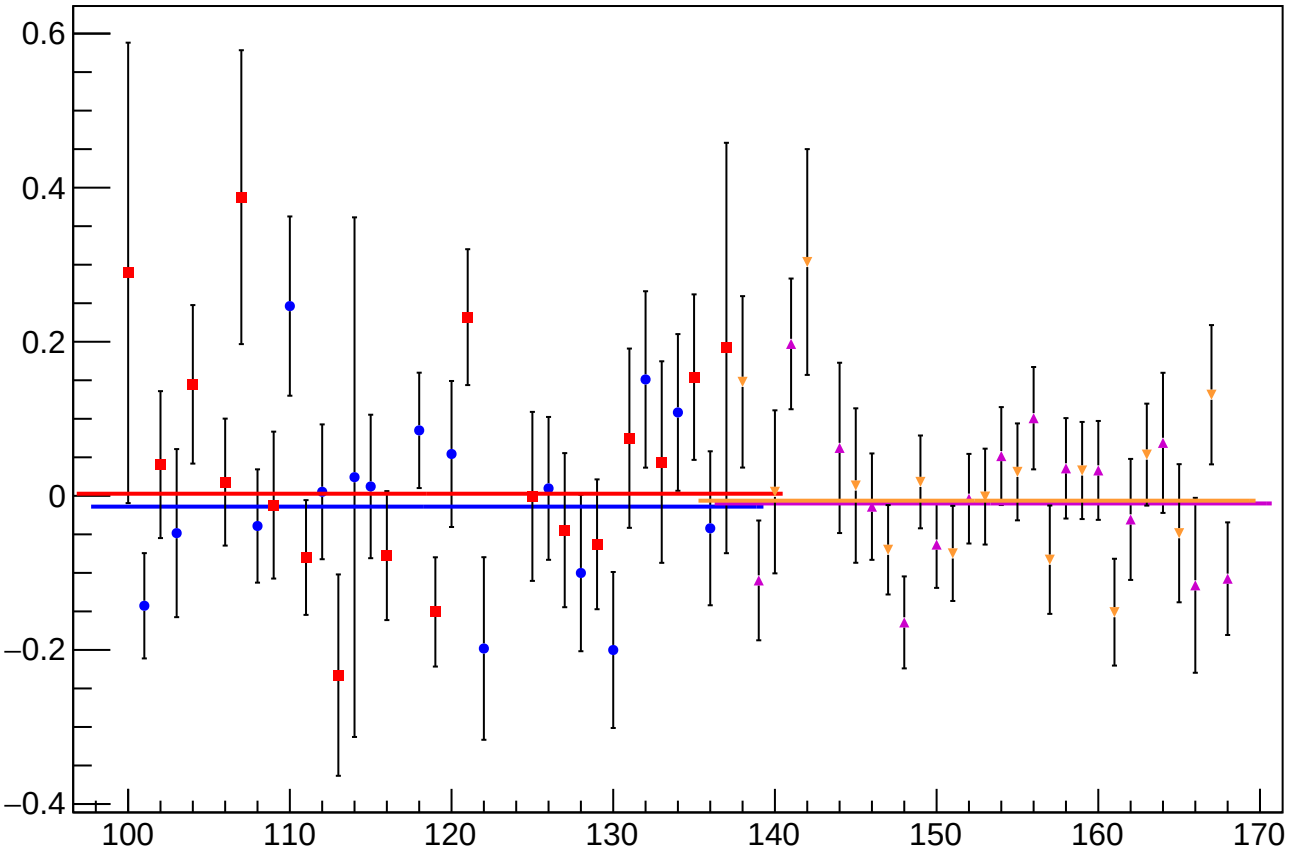
Left: 62.194+/-0.009 χ^2/NDF: 1437933.6/29

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

In: 61.533+/-0.010 χ^2/NDF:1322421.5/30

Out: 61.510+/-0.010 χ^2/NDF:1543600.4/32

All: 61.522+/-0.007 χ^2/NDF: 2866024.4/63



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

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

Left In: -0.010+/-0.018 χ^2/NDF:23.8/14

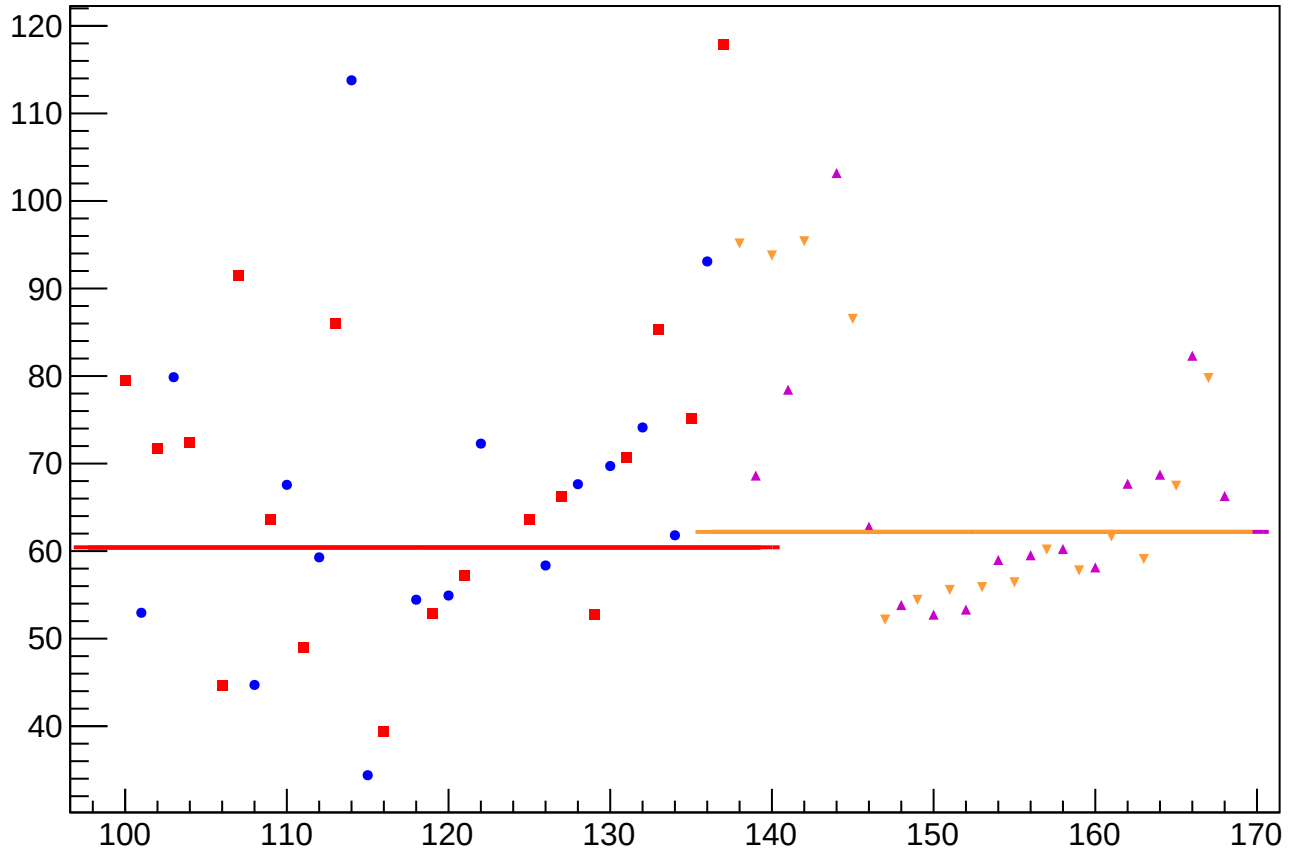
Left: -0.008+/-0.013 χ^2/NDF: 42.5/29

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

In: -0.011+/-0.015 χ^2/NDF:45.1/30

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.007+/-0.010 χ^2/NDF: 91.8/63


asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
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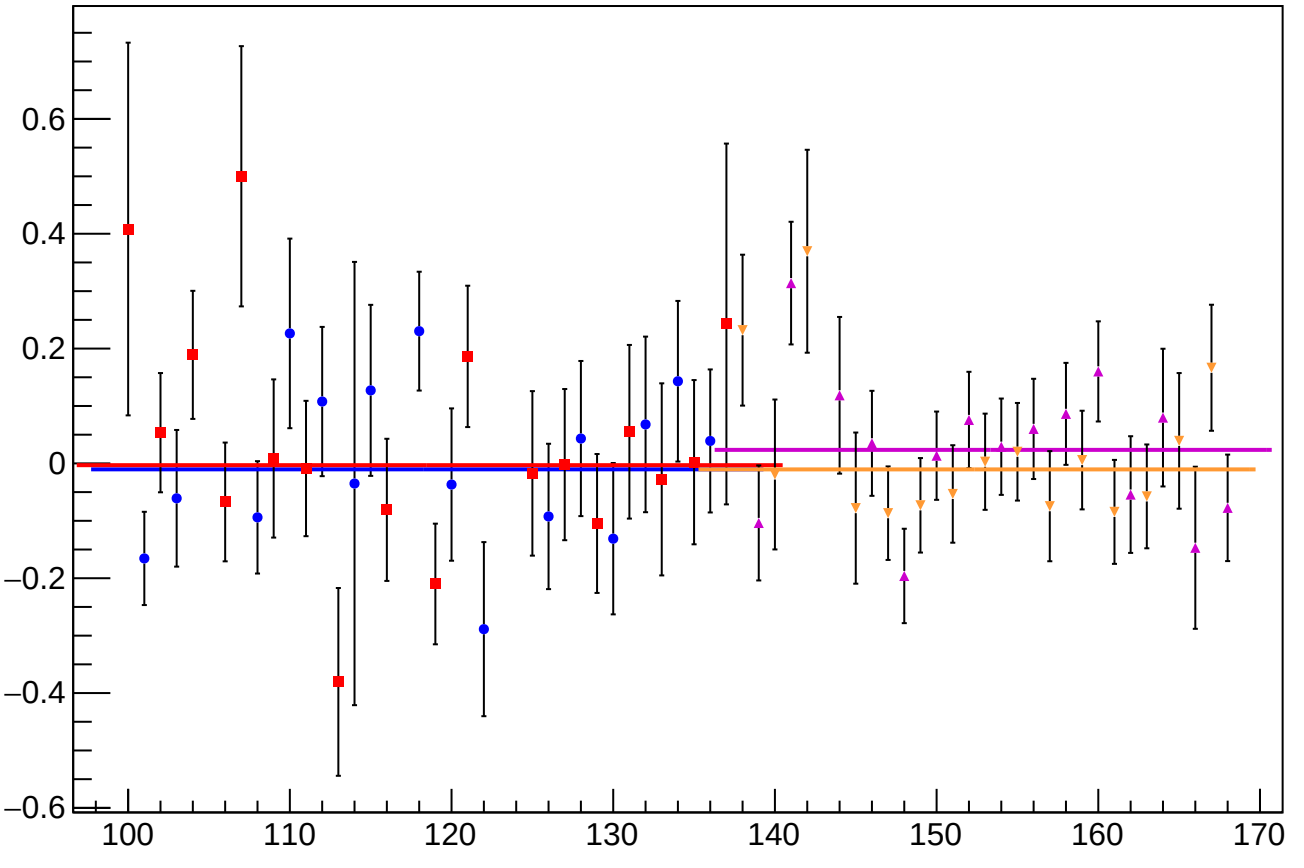
160
170
Right In: 60.399+/-0.017 χ²/NDF: 703157.1/15
Left Out: 62.189+/-0.013 χ²/NDF:825837.1/14
Right Out: 60.434+/-0.017 χ²/NDF: 711093.4/17
Left In: 62.199+/-0.013 χ²/NDF:612096.2/14
Left: 62.194+/-0.009 χ²/NDF: 1437933.6/29
Right: 60.417+/-0.012 χ²/NDF: 1414252.6/33
In: 61.533+/-0.010 χ²/NDF:1322421.5/30
Out: 61.510+/-0.010 χ²/NDF:1543600.4/32
All: 61.522+/-0.007 χ²/NDF: 2866024.4/63



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

Left Out: -0.010+/-0.025 χ^2/NDF:14.4/14

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

Left In: 0.024+/-0.024 χ^2/NDF:23.6/14

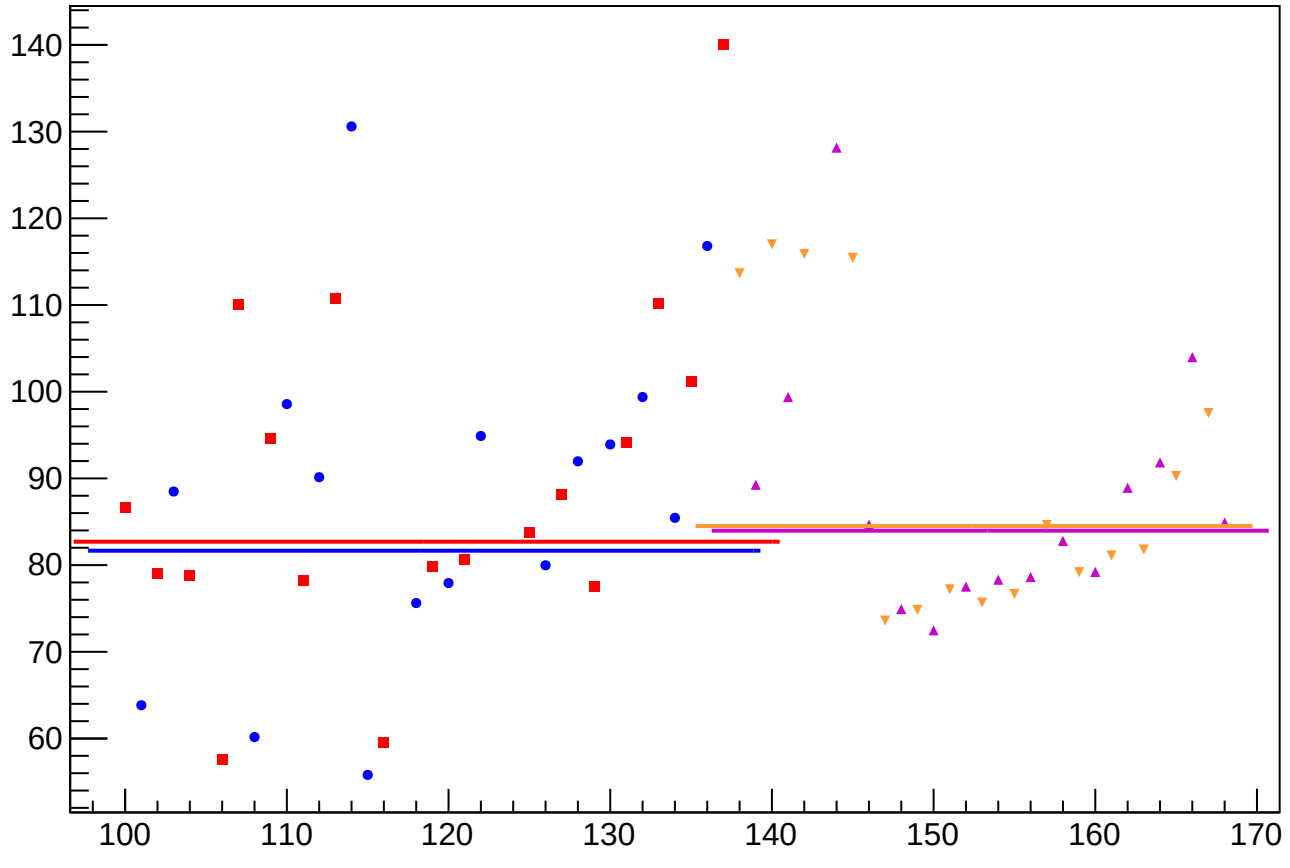
Left: 0.007+/-0.018 χ^2/NDF: 38.9/29

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

In: 0.011+/-0.019 χ^2/NDF:44.5/30

Out: -0.008+/-0.020 χ^2/NDF:38.1/32

All: 0.002+/-0.014 χ^2/NDF: 83.0/63



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

Left Out: 84.506+/-0.018 χ^2/NDF:558610.3/14

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

Left In: 83.970+/-0.017 χ^2/NDF:414333.0/14

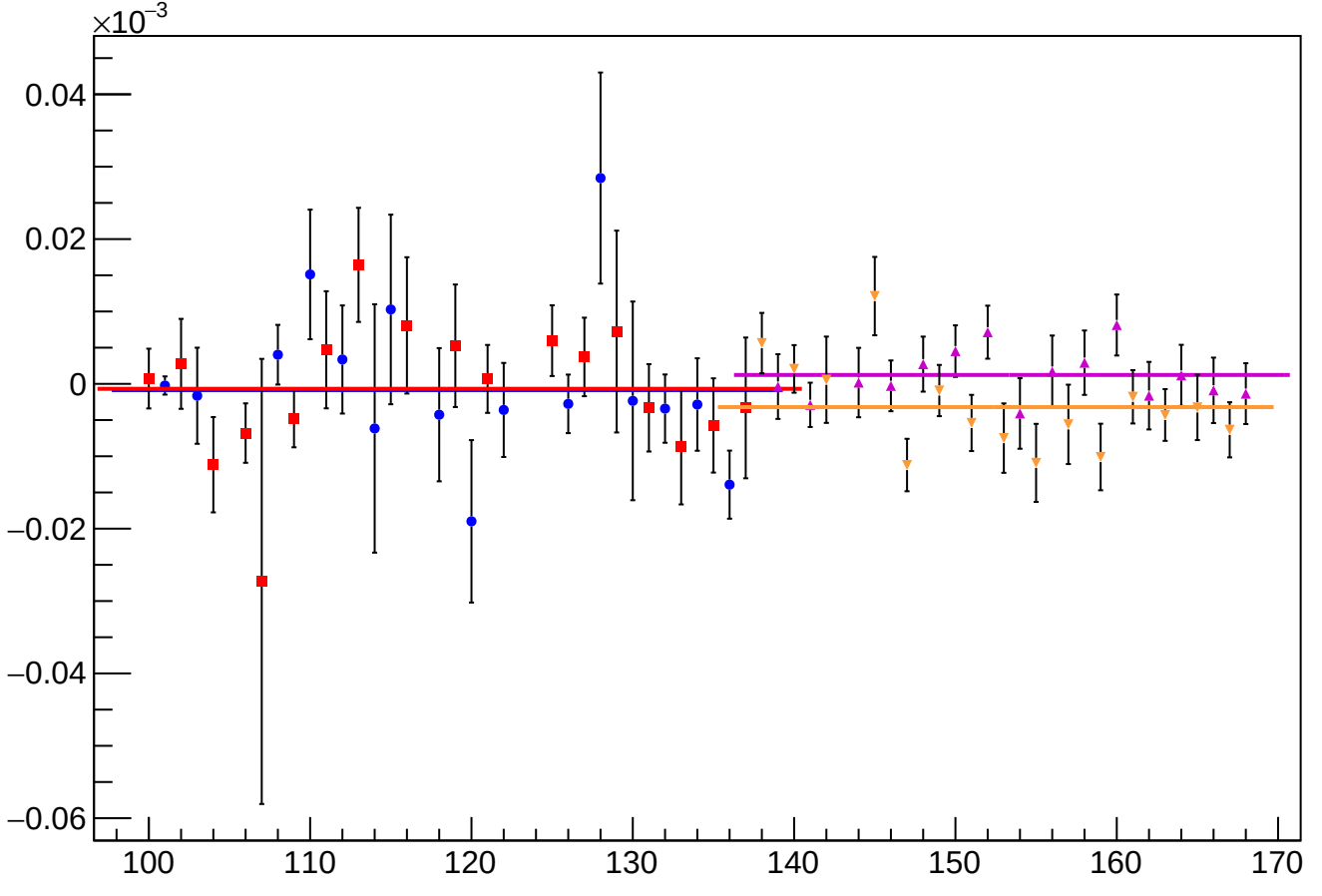
Left: 84.228+/-0.012 χ^2/NDF: 973409.1/29

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

In: 83.110+/-0.014 χ^2/NDF:982861.2/30

Out: 83.806+/-0.014 χ^2/NDF:1035633.5/32

All: 83.450+/-0.010 χ^2/NDF: 2019763.5/63



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.3/14

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

Left In: 0.000+/-0.000 χ^2/NDF:10.8/14

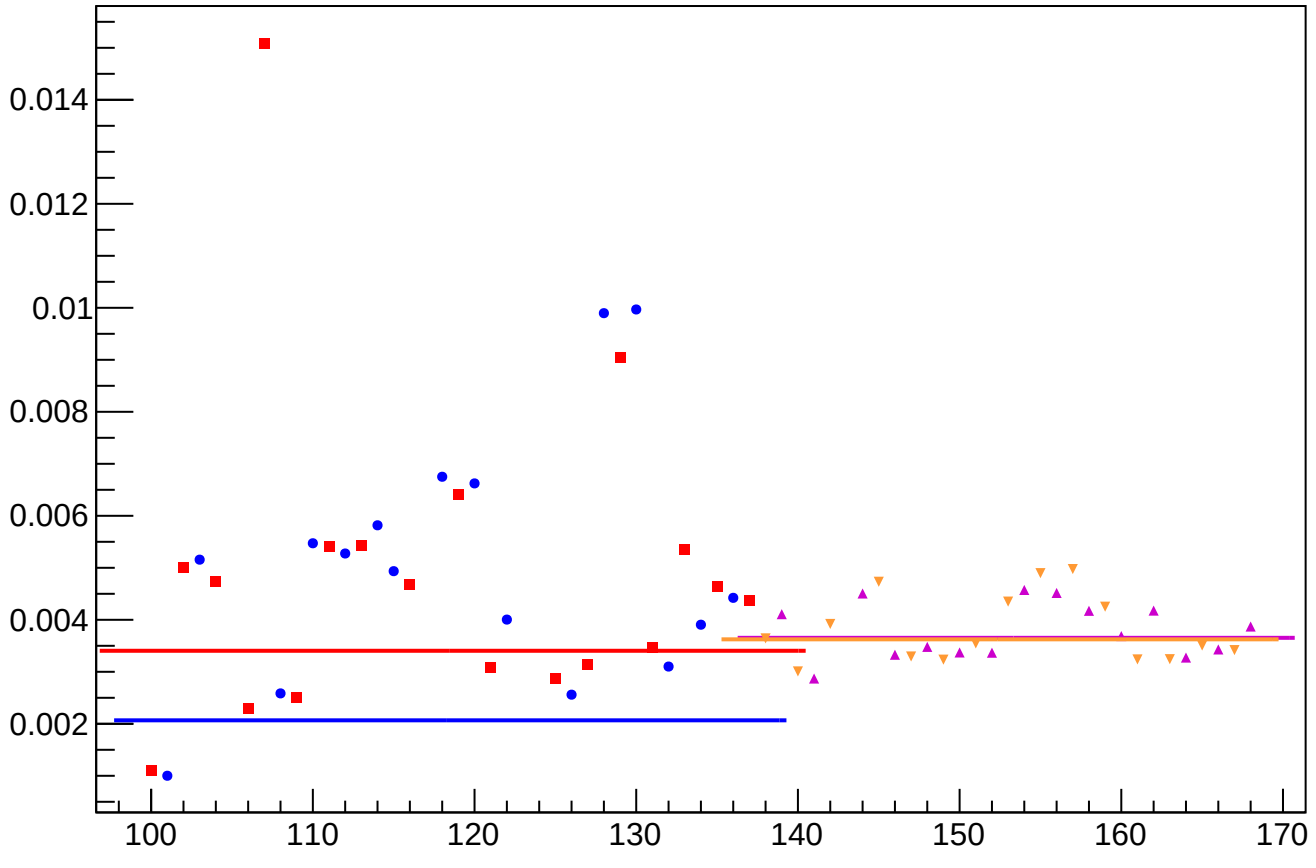
Left: -0.000+/-0.000 χ^2/NDF: 46.8/29

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

In: 0.000+/-0.000 χ^2/NDF:34.1/30

Out: -0.000+/-0.000 χ^2/NDF:47.6/32

All: -0.000+/-0.000 χ^2/NDF: 86.5/63



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

Left Out: 0.004+/-0.000 χ^2/NDF:568972.0/14

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

Left In: 0.004+/-0.000 χ^2/NDF:471126.8/14

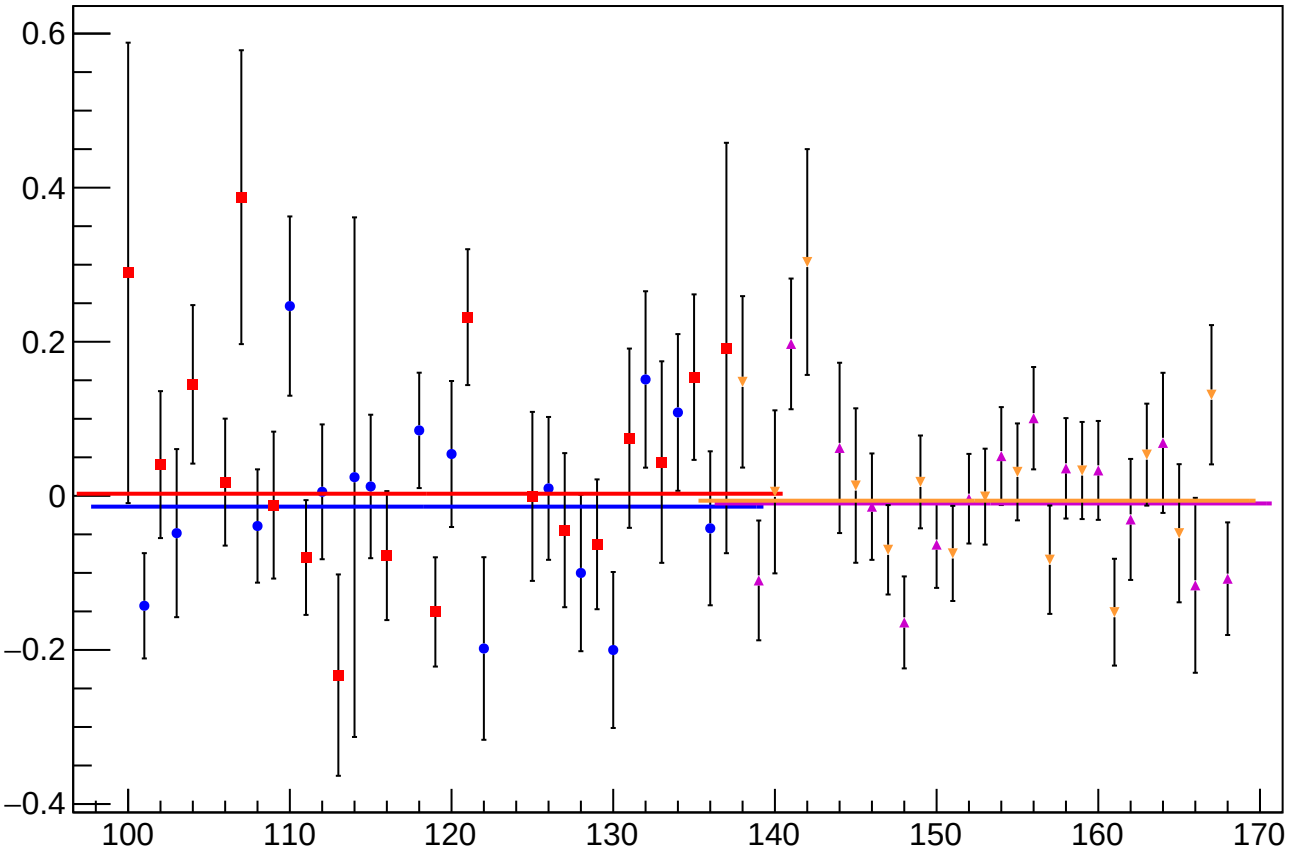
Left: 0.004+/-0.000 χ^2/NDF: 1040842.8/29

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

In: 0.003+/-0.000 χ^2/NDF:8651710.6/30

Out: 0.004+/-0.000 χ^2/NDF:3090631.2/32

All: 0.003+/-0.000 χ^2/NDF: 12557674.5/63



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

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

Left In: -0.010+/-0.018 χ^2/NDF:23.8/14

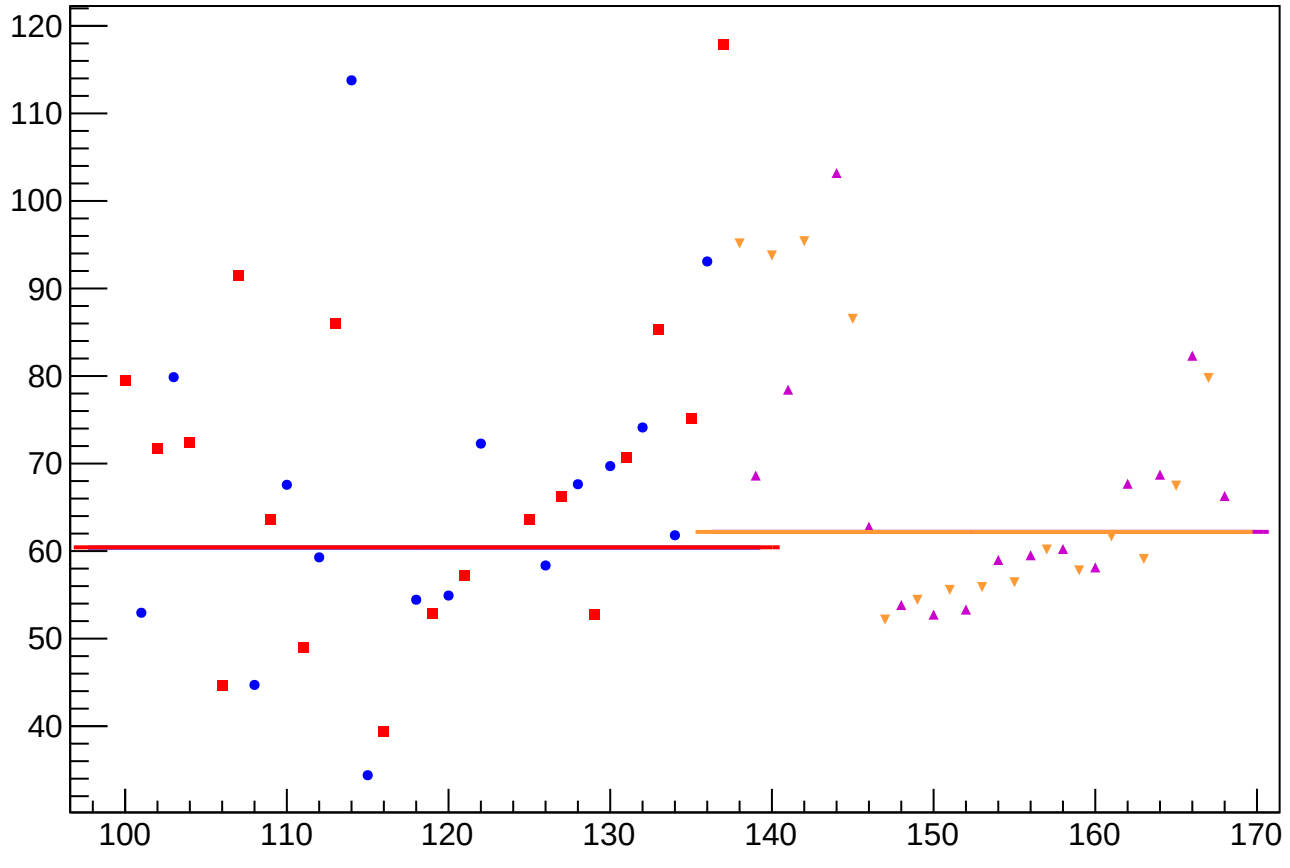
Left: -0.008+/-0.013 χ^2/NDF: 42.5/29

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

In: -0.011+/-0.015 χ^2/NDF:45.1/30

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.007+/-0.010 χ^2/NDF: 91.8/63


asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
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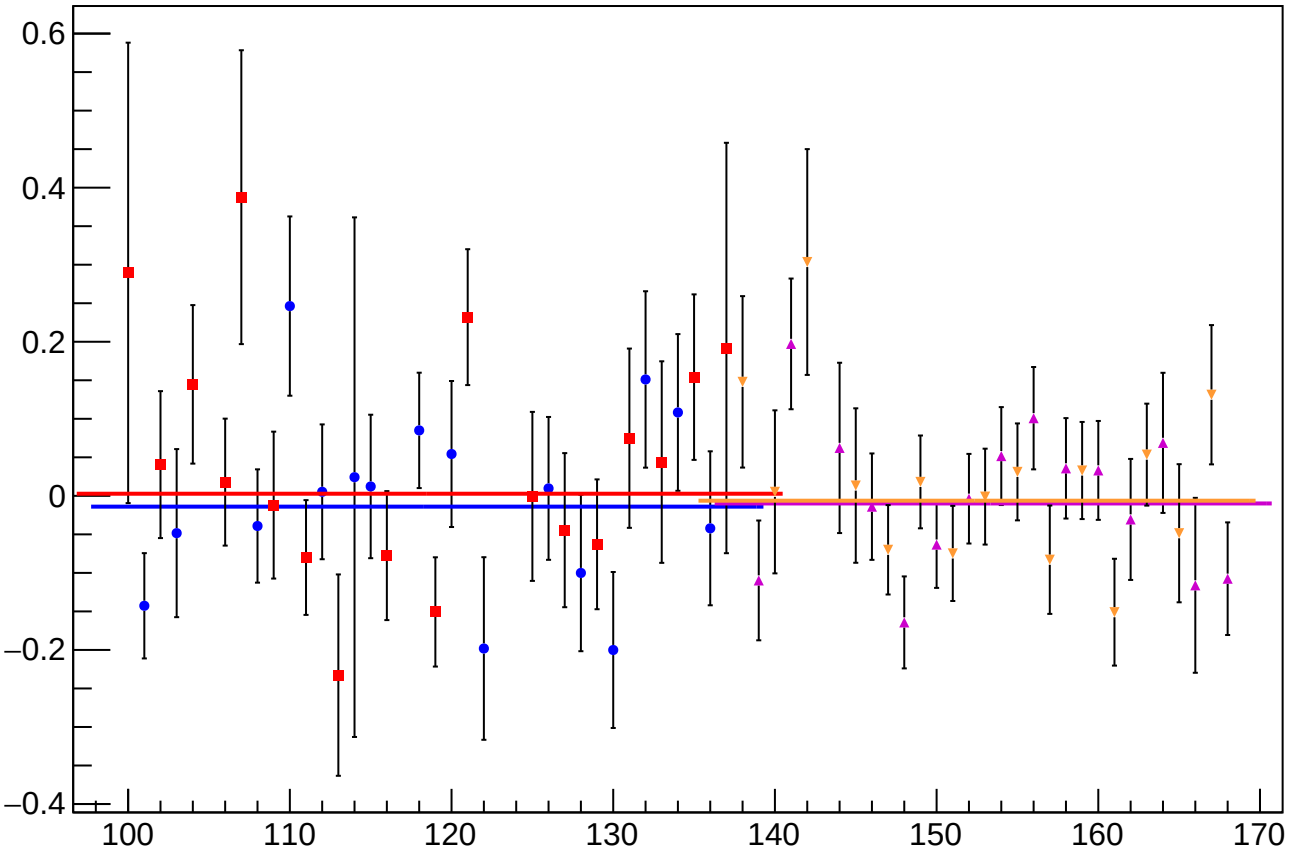
120
130
140
150
160
170
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 62.189+/-0.013 χ²/NDF:825834.5/14
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 62.200+/-0.013 χ²/NDF:612094.0/14
Left: 62.195+/-0.009 χ²/NDF: 1437928.8/29
Right: 60.415+/-0.012 χ²/NDF: 1414293.7/33
In: 61.533+/-0.010 χ²/NDF:1322444.6/30
Out: 61.510+/-0.010 χ²/NDF:1543642.4/32
All: 61.521+/-0.007 χ²/NDF: 2866089.4/63



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

Left Out: -0.006+/-0.019 χ^2/NDF:18.7/14

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

Left In: -0.010+/-0.018 χ^2/NDF:23.8/14

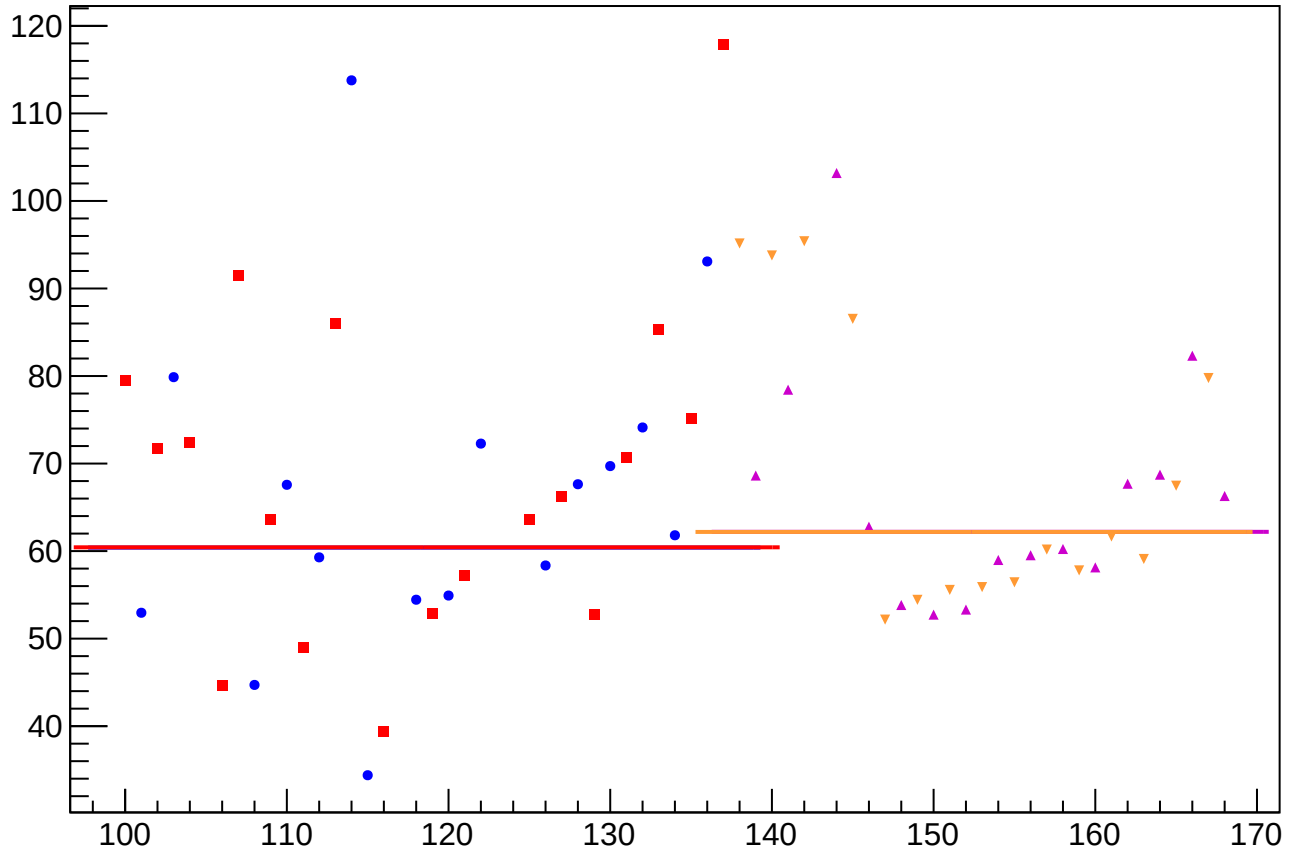
Left: -0.008+/-0.013 χ^2/NDF: 42.5/29

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

In: -0.011+/-0.015 χ^2/NDF:45.1/30

Out: -0.003+/-0.015 χ^2/NDF:46.5/32

All: -0.007+/-0.010 χ^2/NDF: 91.8/63



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

Left Out: 62.189+/-0.013 χ^2/NDF:825834.5/14

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

Left In: 62.200+/-0.013 χ^2/NDF:612094.0/14

Left: 62.195+/-0.009 χ^2/NDF: 1437928.8/29

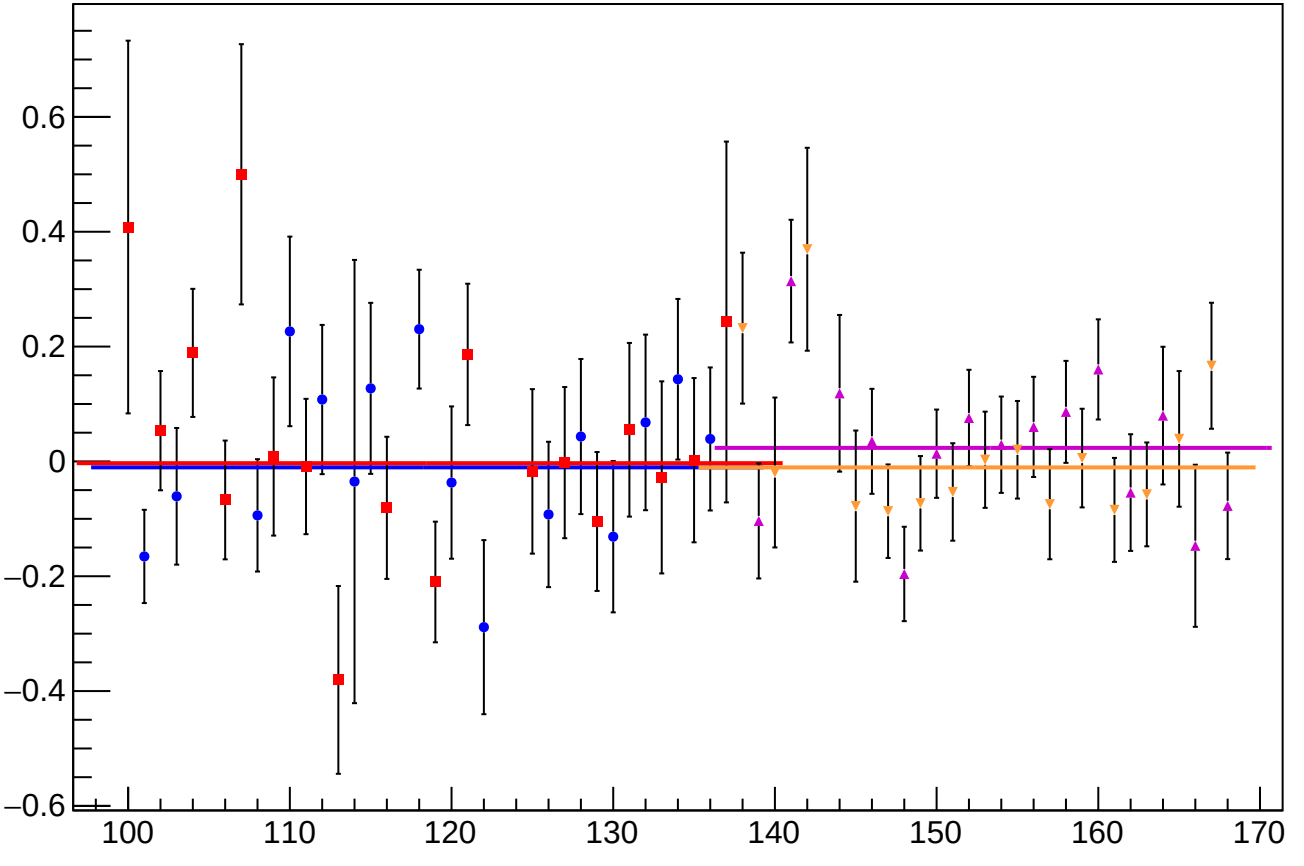
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.533+/-0.010 χ^2/NDF:1322444.6/30

Out: 61.510+/-0.010 χ^2/NDF:1543642.4/32

All: 61.521+/-0.007 χ^2/NDF: 2866089.4/63

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.010+/-0.025 χ^2/NDF:14.4/14

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

Left In: 0.024+/-0.024 χ^2/NDF:23.6/14

Left: 0.007+/-0.018 χ^2/NDF: 38.9/29

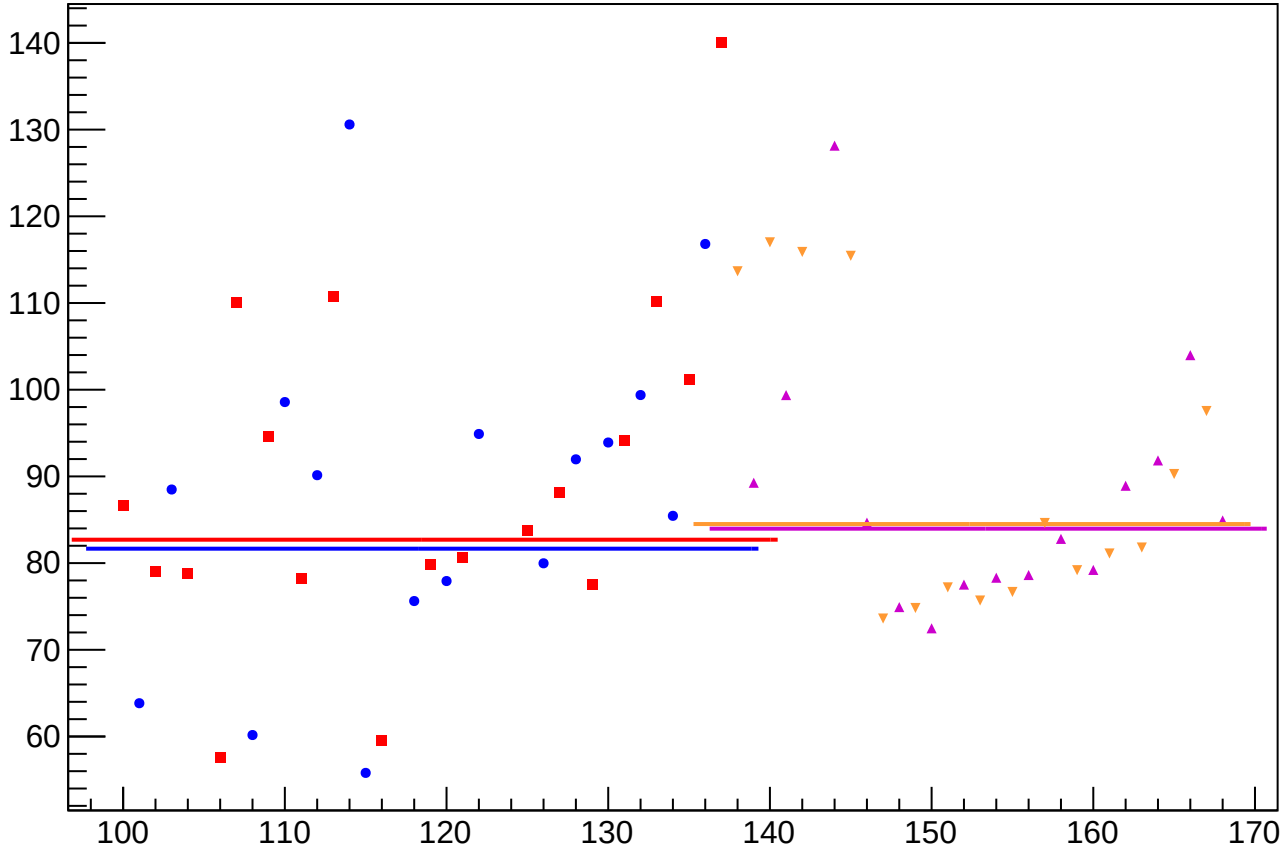
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.011+/-0.019 χ^2/NDF:44.5/30

Out: -0.008+/-0.020 χ^2/NDF:38.1/32

All: 0.002+/-0.014 χ^2/NDF: 83.0/63

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: 84.506+/-0.018 χ^2/NDF:558608.2/14

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

Left In: 83.970+/-0.017 χ^2/NDF:414332.8/14

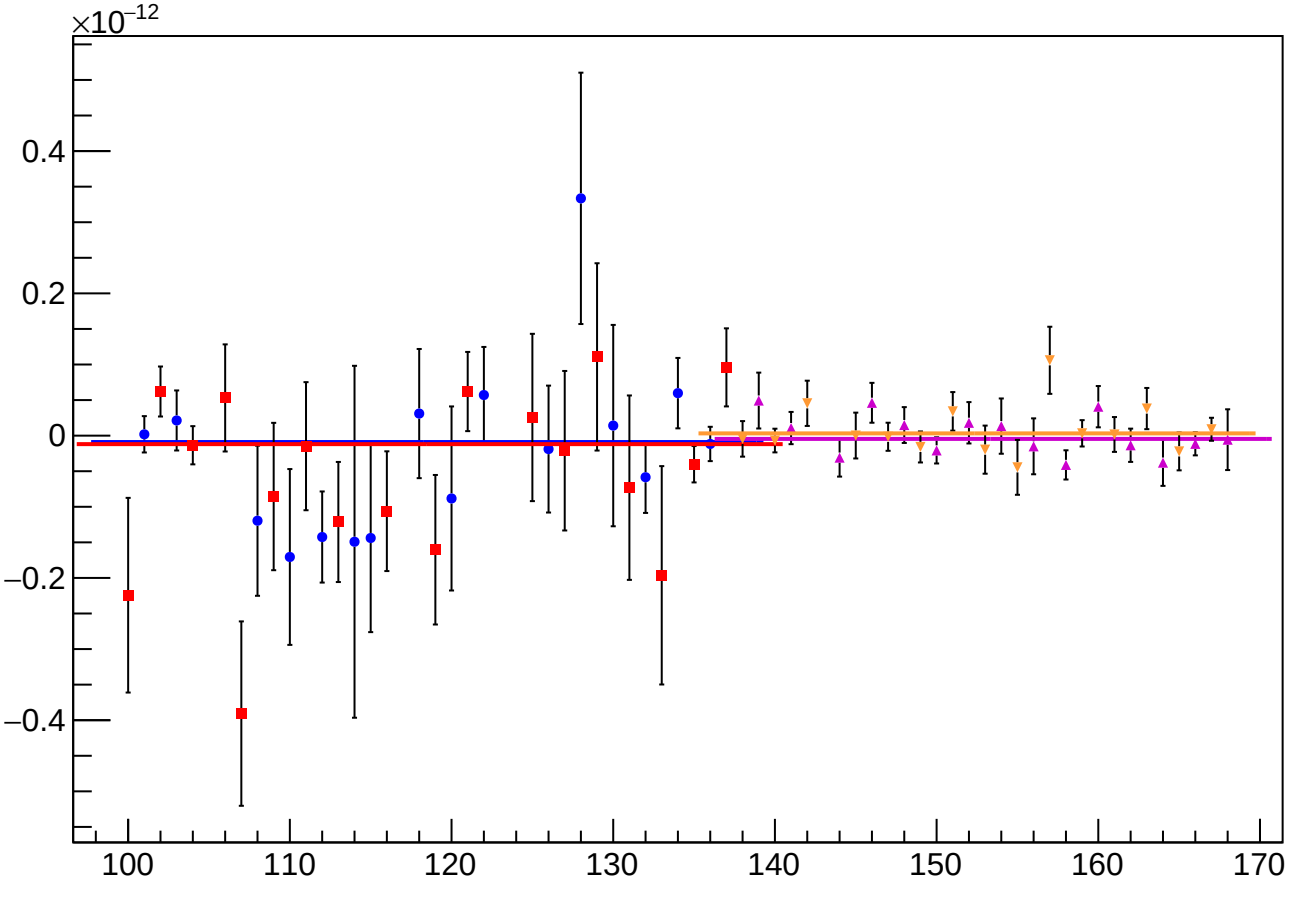
Left: 84.228+/-0.012 χ^2/NDF: 973406.8/29

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

In: 83.110+/-0.014 χ^2/NDF:982854.7/30

Out: 83.806+/-0.014 χ^2/NDF:1035633.9/32

All: 83.450+/-0.010 χ^2/NDF: 2019757.2/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/14

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

Left In: -0.000+/-0.000 χ^2/NDF:15.8/14

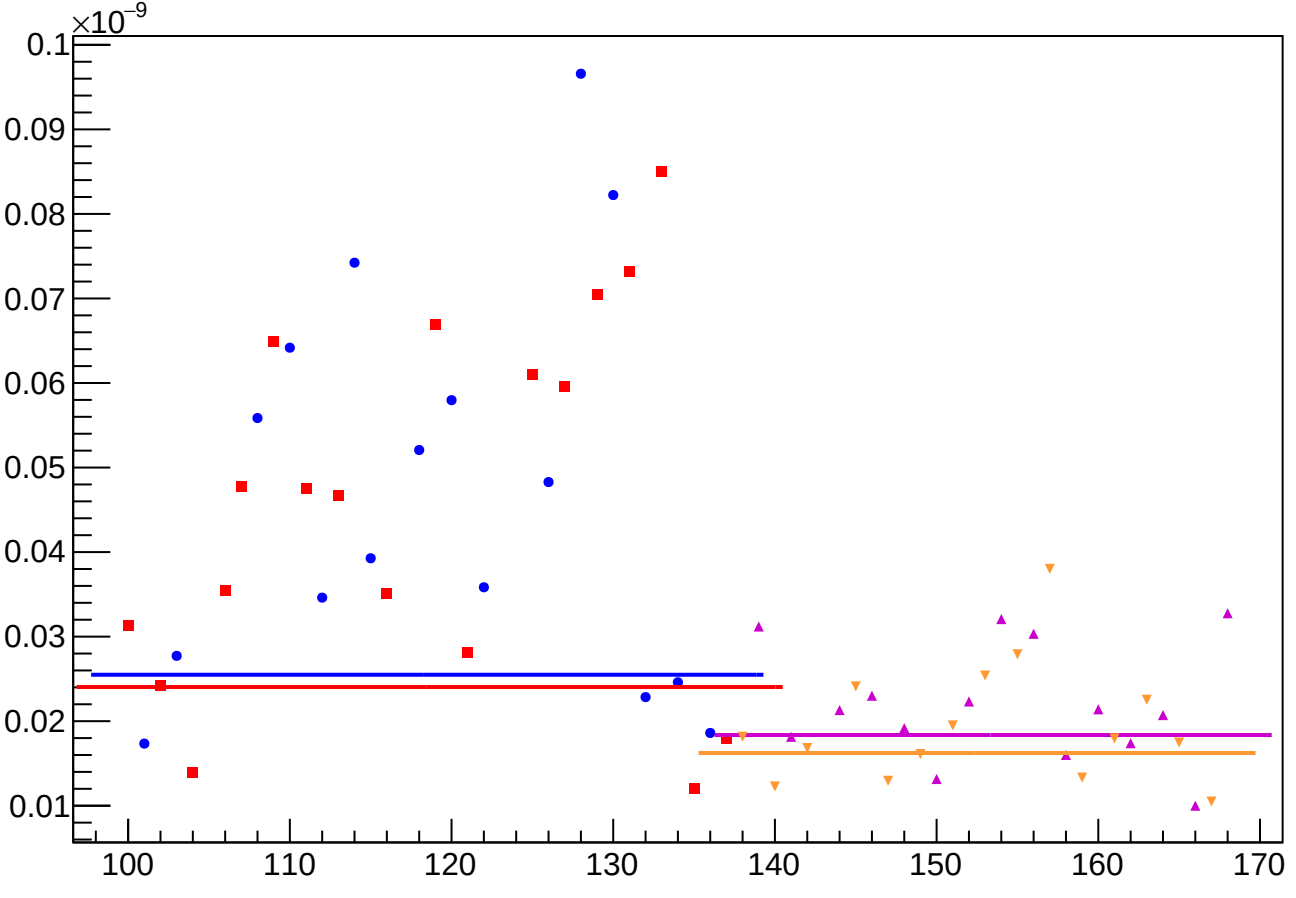
Left: -0.000+/-0.000 χ^2/NDF: 30.1/29

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

In: -0.000+/-0.000 χ^2/NDF:33.4/30

Out: 0.000+/-0.000 χ^2/NDF:45.7/32

All: -0.000+/-0.000 χ^2/NDF: 79.6/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:1496481.8/14

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

Left In: 0.000+/-0.000 χ^2/NDF:1749764.8/14

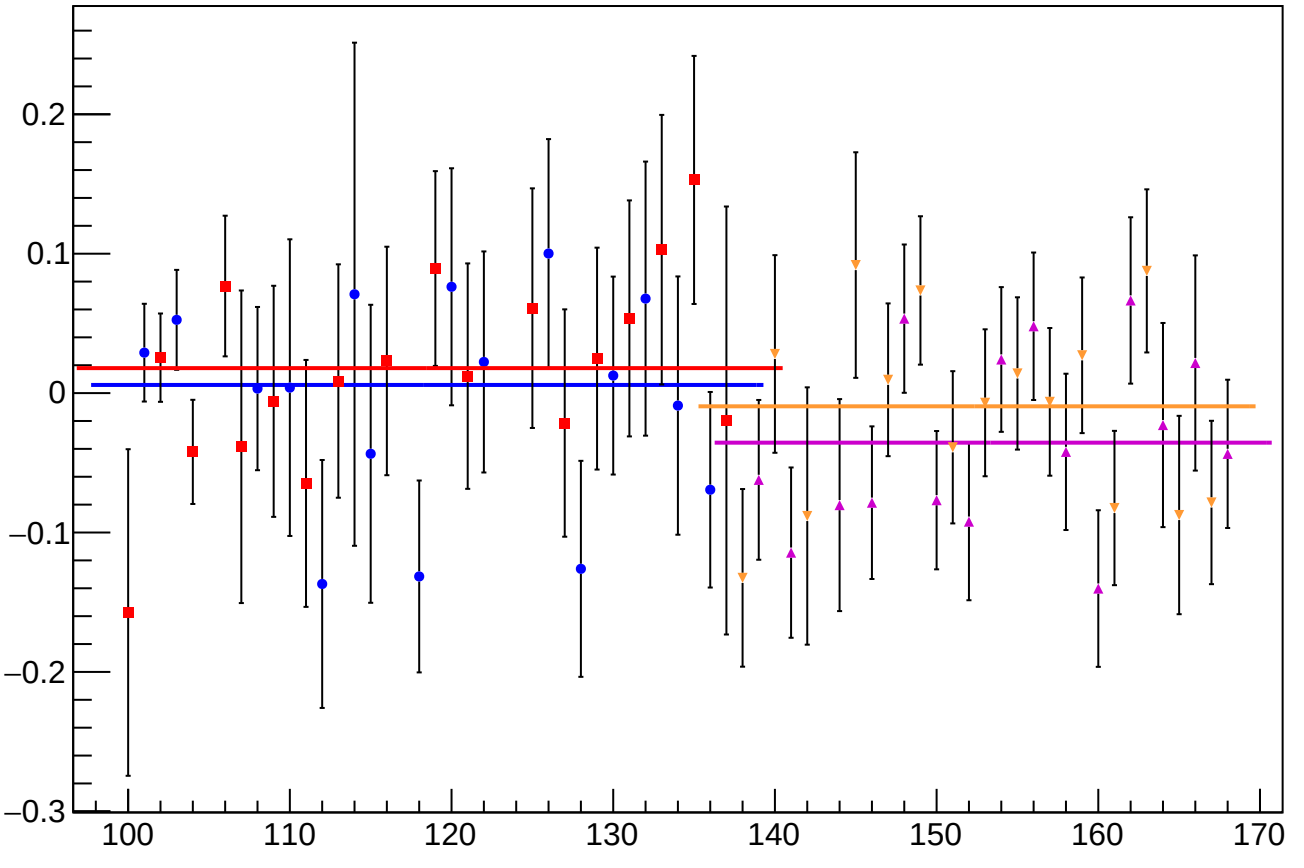
Left: 0.000+/-0.000 χ^2/NDF: 3356871.4/29

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

In: 0.000+/-0.000 χ^2/NDF:4213948.6/30

Out: 0.000+/-0.000 χ^2/NDF:5140843.0/32

All: 0.000+/-0.000 χ^2/NDF: 9497292.9/63



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

Left Out: -0.009+/-0.015 χ^2/NDF:16.9/14

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

Left In: -0.036+/-0.015 χ^2/NDF:18.2/14

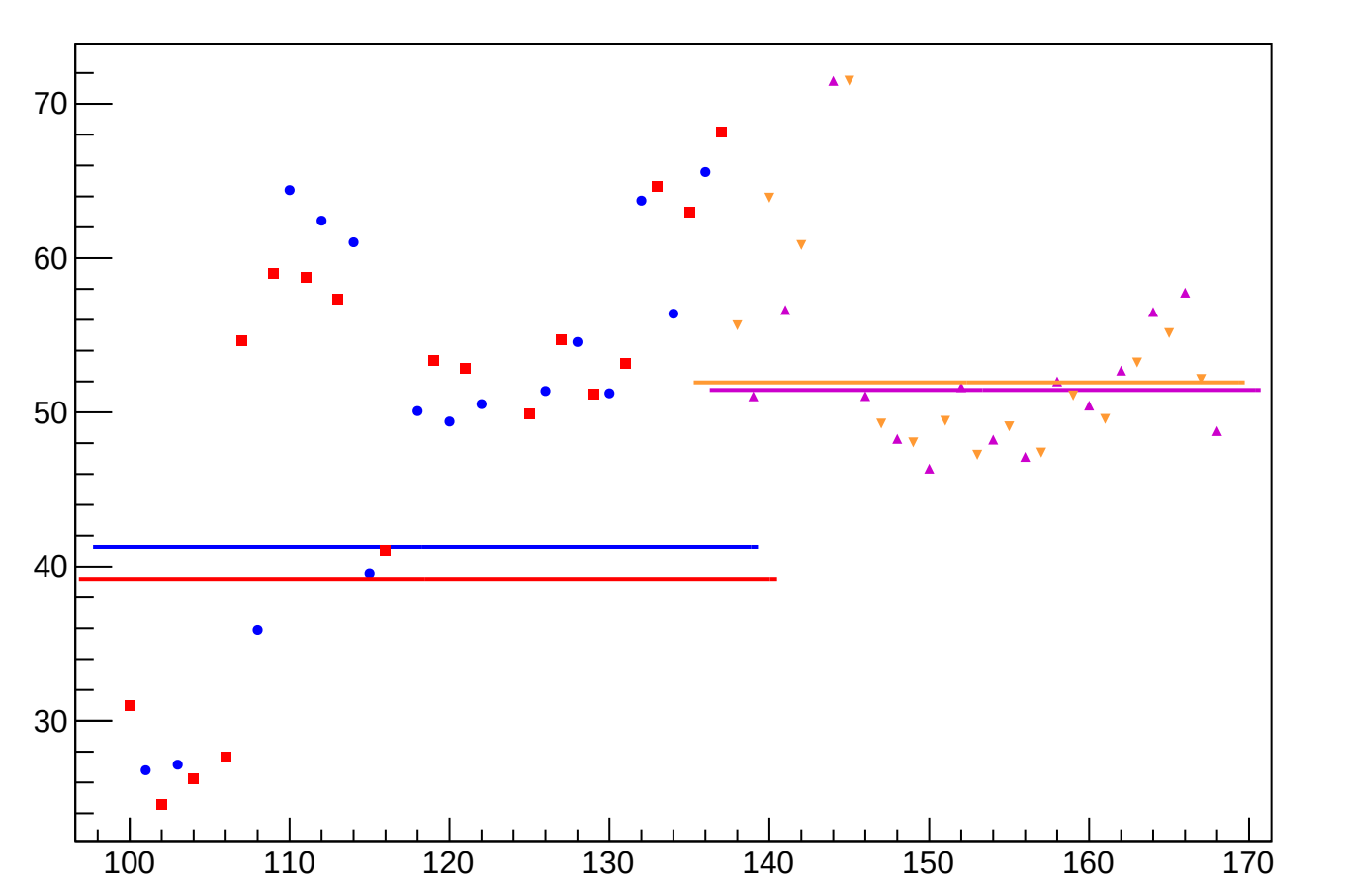
Left: -0.023+/-0.011 χ^2/NDF: 36.5/29

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:37.2/30

Out: 0.004+/-0.011 χ^2/NDF:30.7/32

All: -0.006+/-0.008 χ^2/NDF: 69.7/63



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

Left Out: 51.938+/-0.011 χ^2/NDF:264270.7/14

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

Left In: 51.449+/-0.011 χ^2/NDF:232654.4/14

Left: 51.685+/-0.008 χ^2/NDF: 497964.6/29

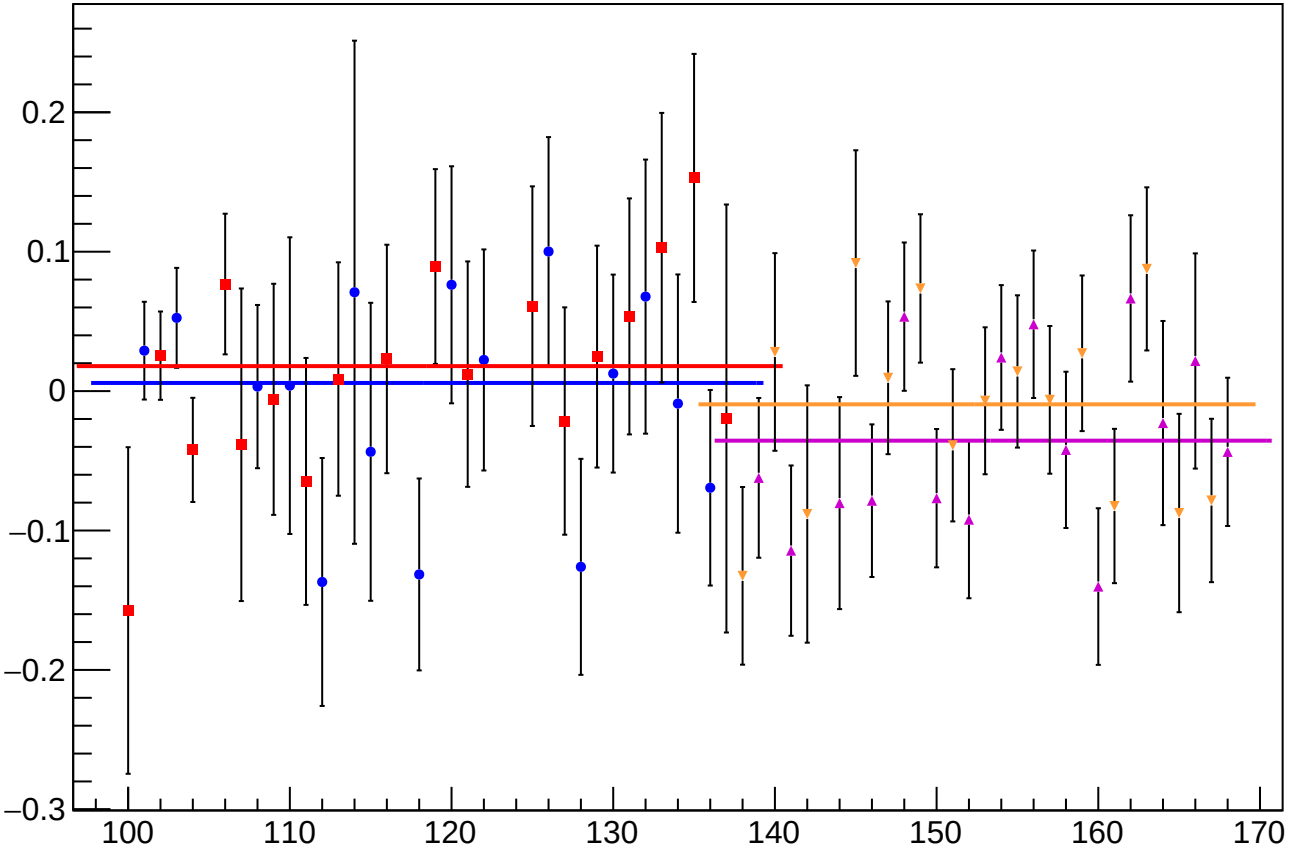
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.889+/-0.008 χ^2/NDF:2156007.0/30

Out: 45.712+/-0.008 χ^2/NDF:2752441.0/32

All: 46.297+/-0.006 χ^2/NDF: 4919828.2/63

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.015 χ^2/NDF:16.9/14

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

Left In: -0.036+/-0.015 χ^2/NDF:18.2/14

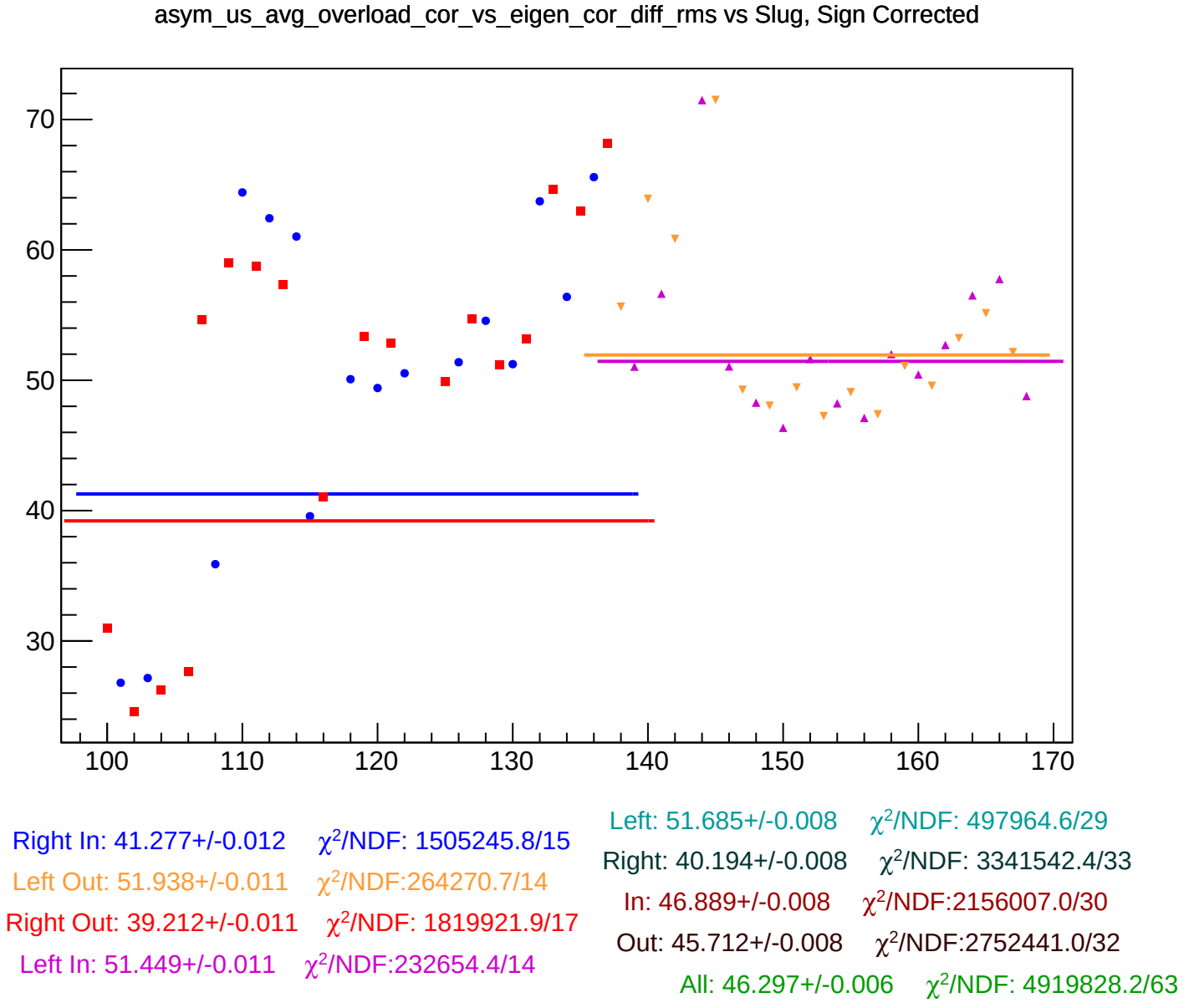
Left: -0.023+/-0.011 χ^2/NDF: 36.5/29

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

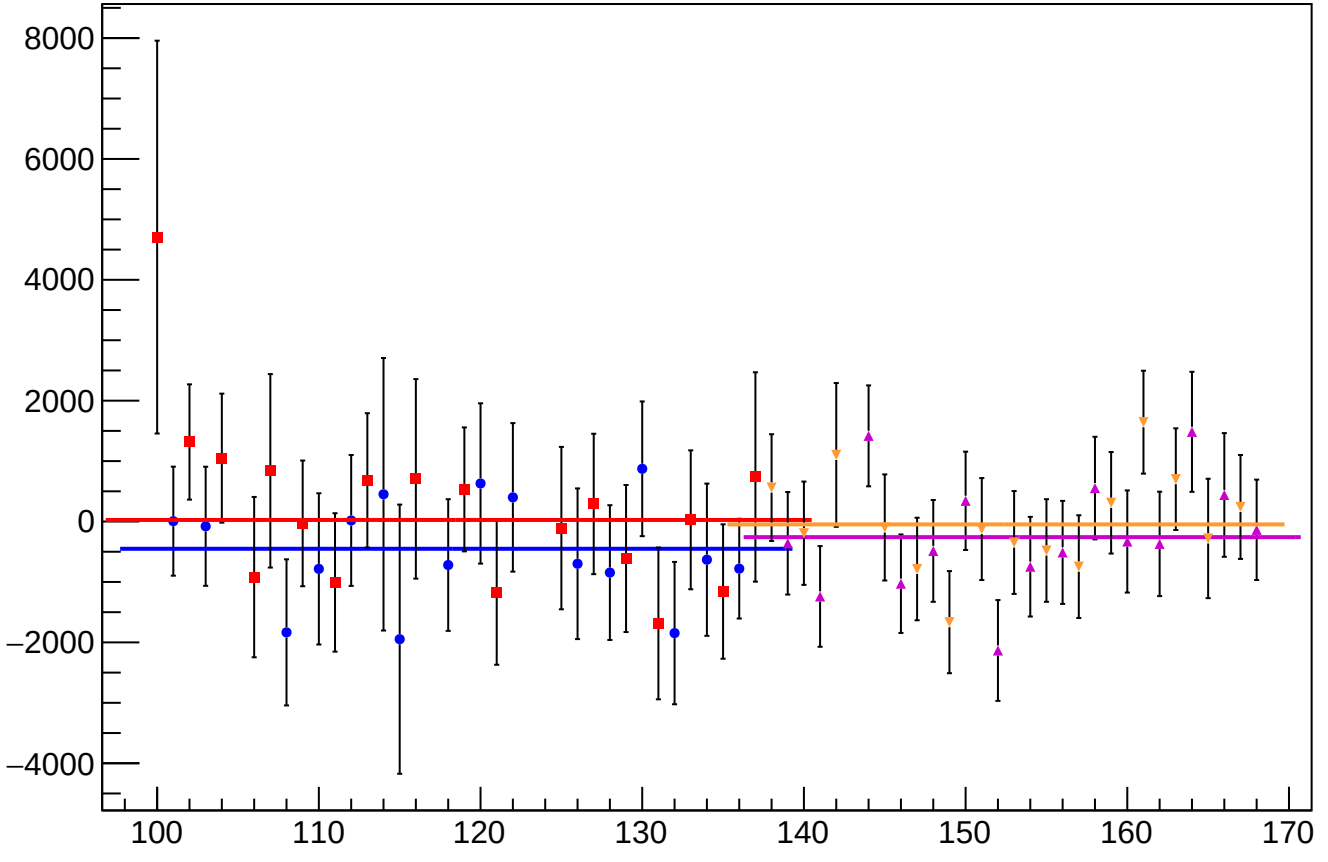
In: -0.017+/-0.011 χ^2/NDF:37.2/30

Out: 0.004+/-0.011 χ^2/NDF:30.7/32

All: -0.006+/-0.008 χ^2/NDF: 69.7/63


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
100
110
120
130
140
150
160
170
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.938+/-0.011 χ²/NDF:264270.7/14
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.449+/-0.011 χ²/NDF:232654.4/14
Left: 51.685+/-0.008 χ²/NDF: 497964.6/29
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 46.889+/-0.008 χ²/NDF:2156007.0/30
Out: 45.712+/-0.008 χ²/NDF:2752441.0/32
All: 46.297+/-0.006 χ²/NDF: 4919828.2/63

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

Left In: -258.342+/-220.751 χ^2/NDF:16.9/14

Left: -155.361+/-157.899 χ^2/NDF: 29.4/29

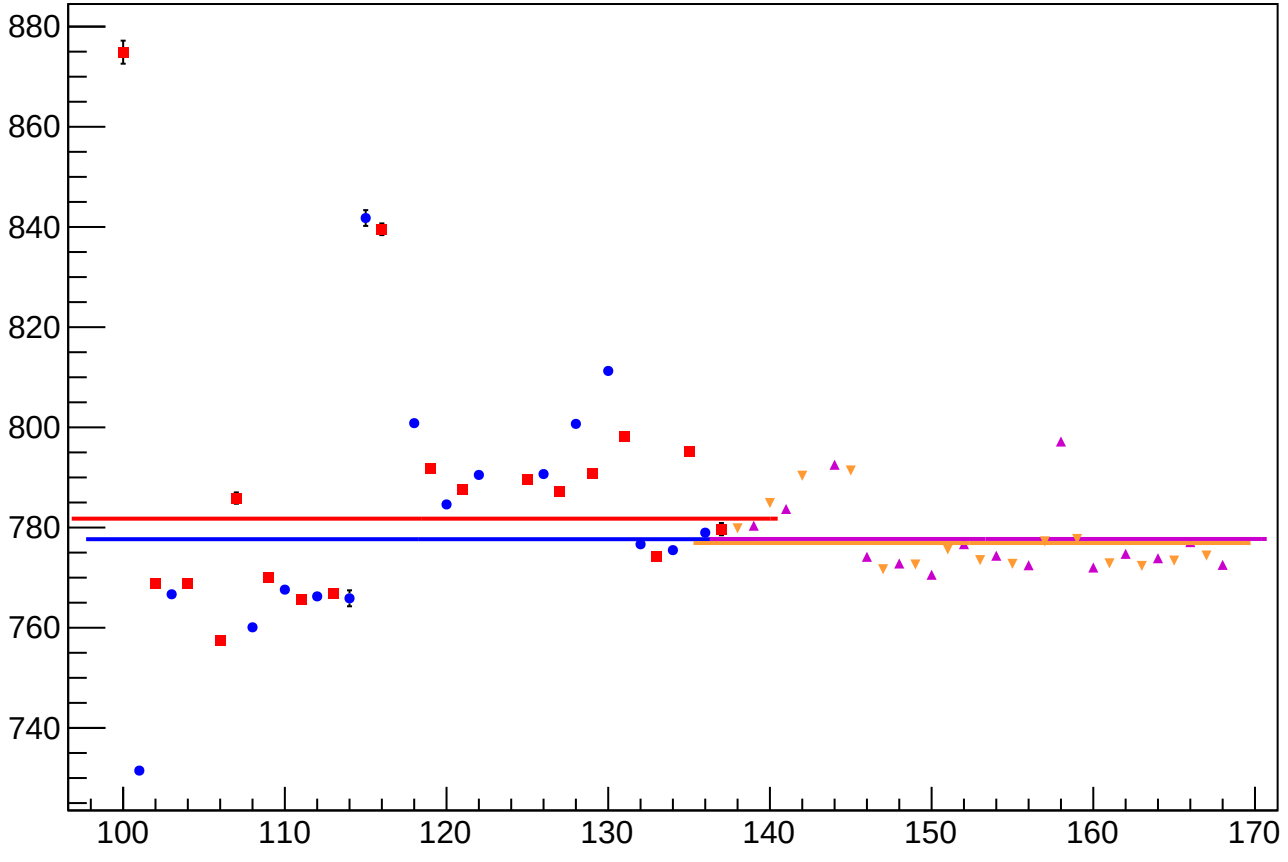
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -329.329+/-175.417 χ^2/NDF:24.2/30

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -176.470+/-124.868 χ^2/NDF: 49.4/63

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

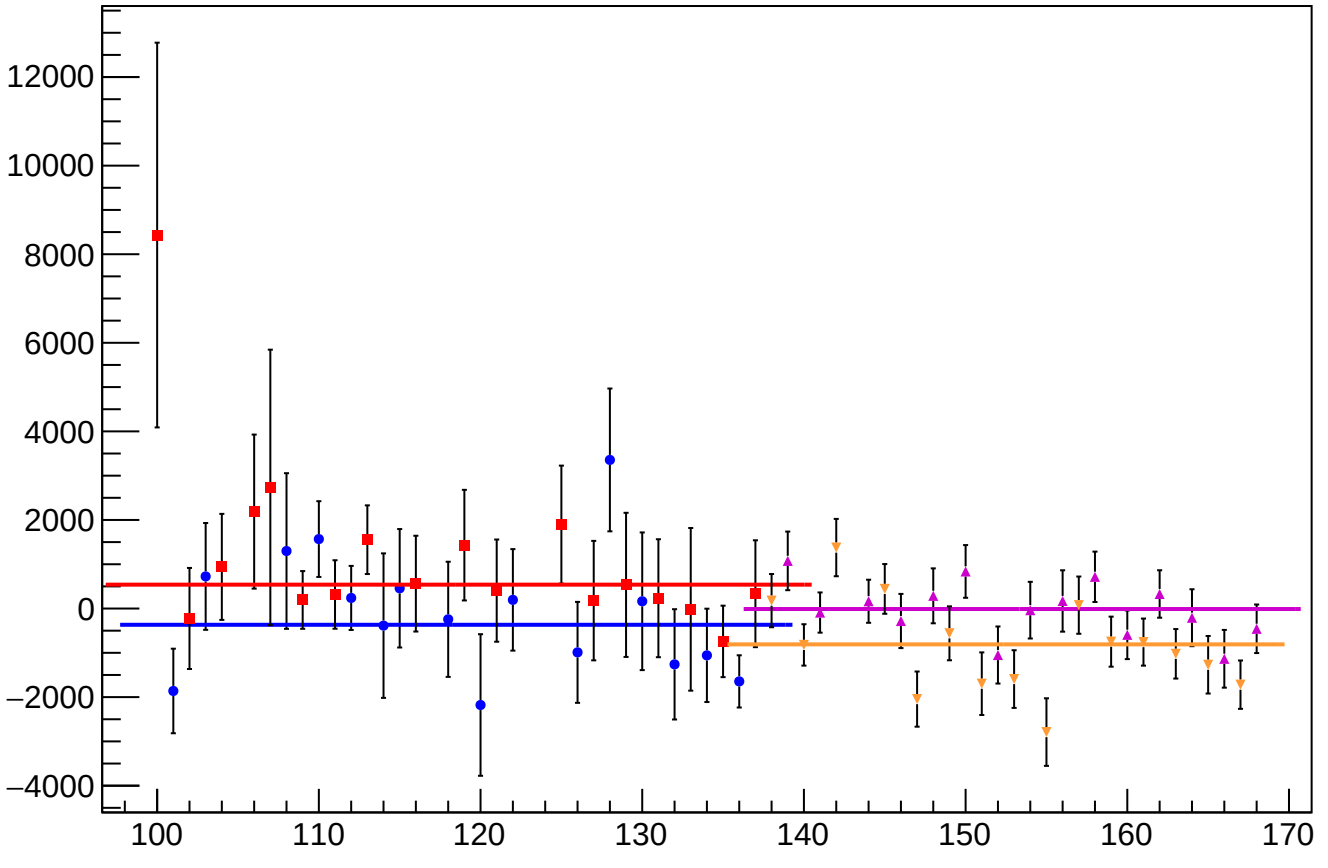
Left: 777.325+/-0.112 χ^2/NDF: 3767.5/29

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

In: 777.704+/-0.124 χ^2/NDF:14452.8/30

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63



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

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

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

Left In: -11.028+/-150.082 χ^2/NDF:14.9/14

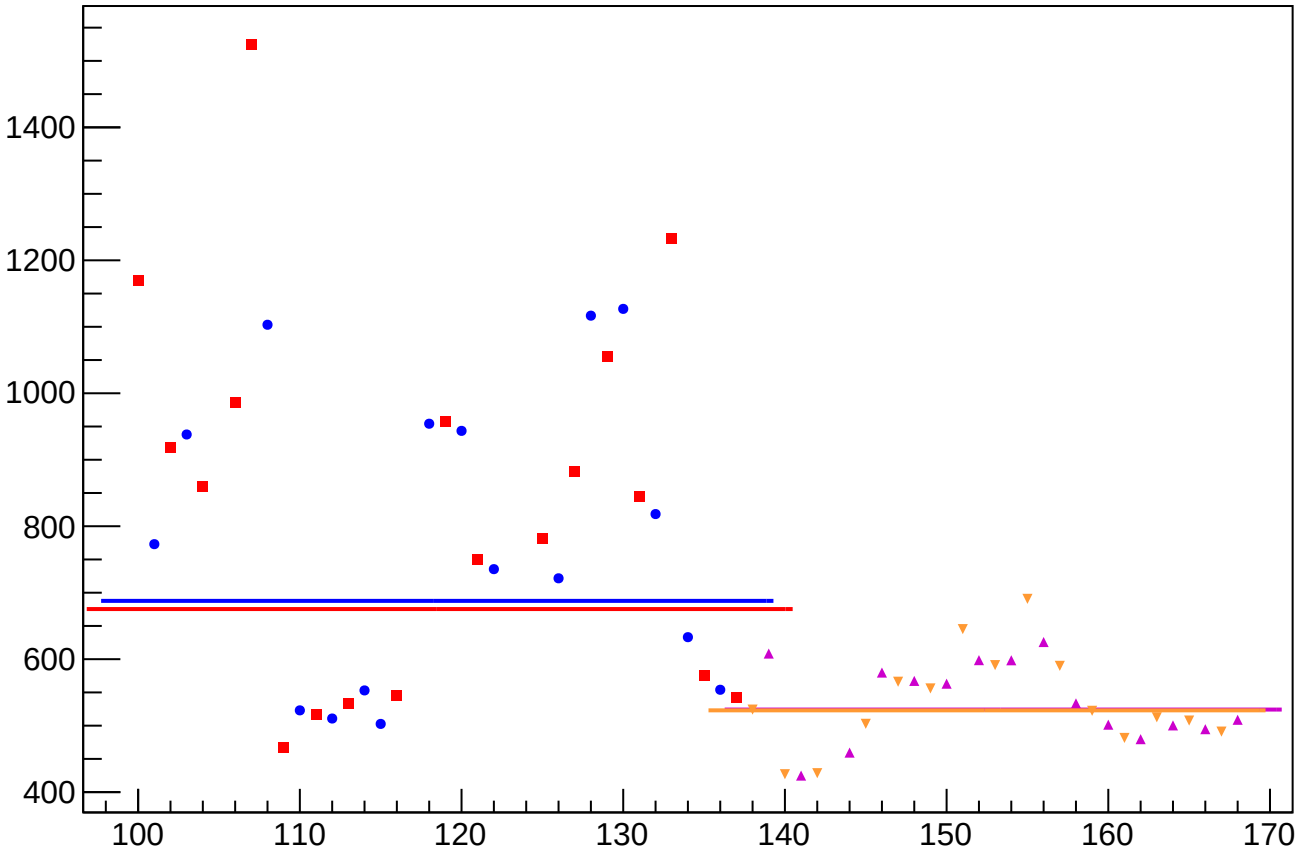
Left: -400.290+/-107.422 χ^2/NDF: 66.9/29

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

In: -96.646+/-130.795 χ^2/NDF:39.5/30

Out: -465.403+/-132.767 χ^2/NDF:69.5/32

All: -278.266+/-93.175 χ^2/NDF: 113.0/63



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

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

Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

Left: 523.640+/-0.076 χ^2/NDF: 687108.9/29

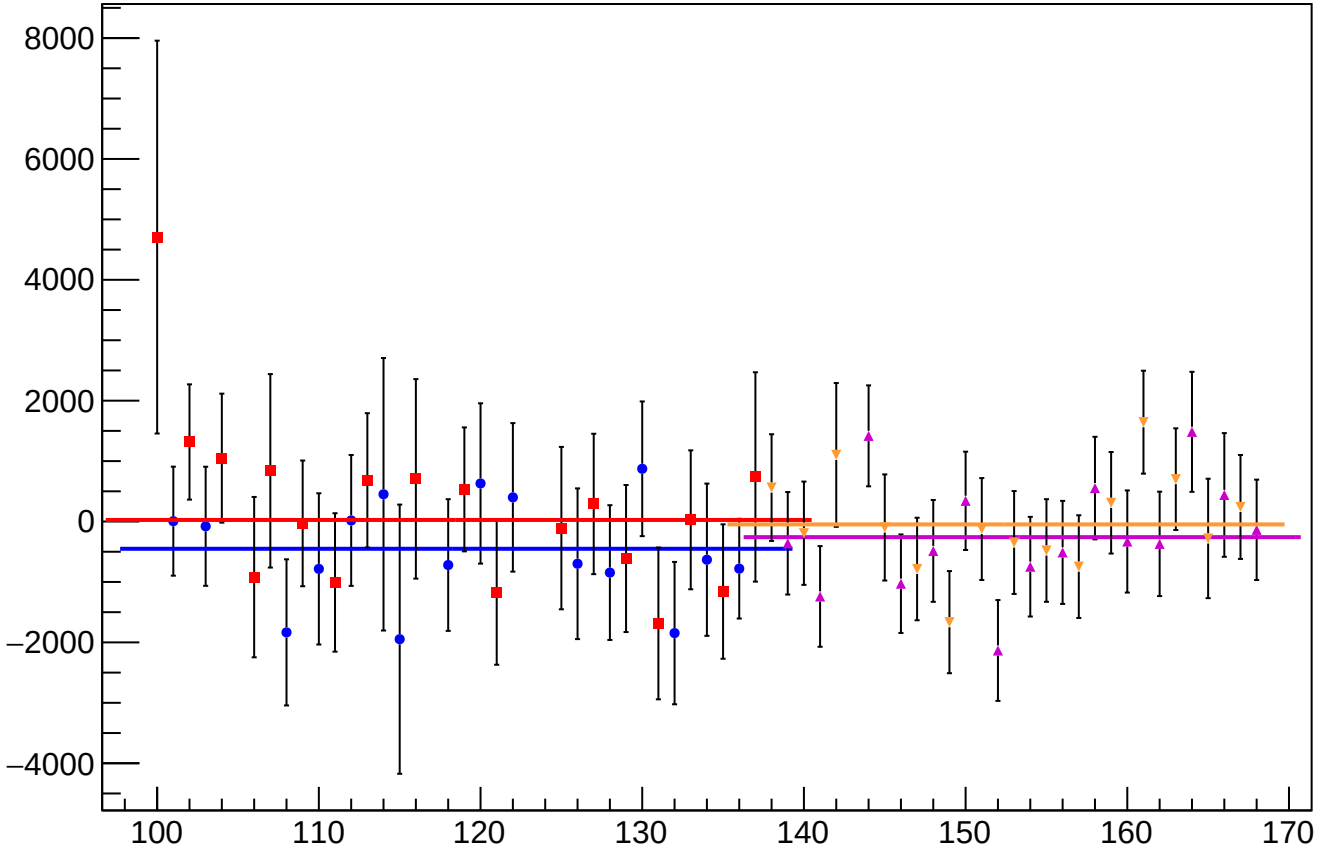
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 563.538+/-0.092 χ^2/NDF:1923994.5/30

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

Left In: -258.342+/-220.751 χ^2/NDF:16.9/14

Left: -155.361+/-157.899 χ^2/NDF: 29.4/29

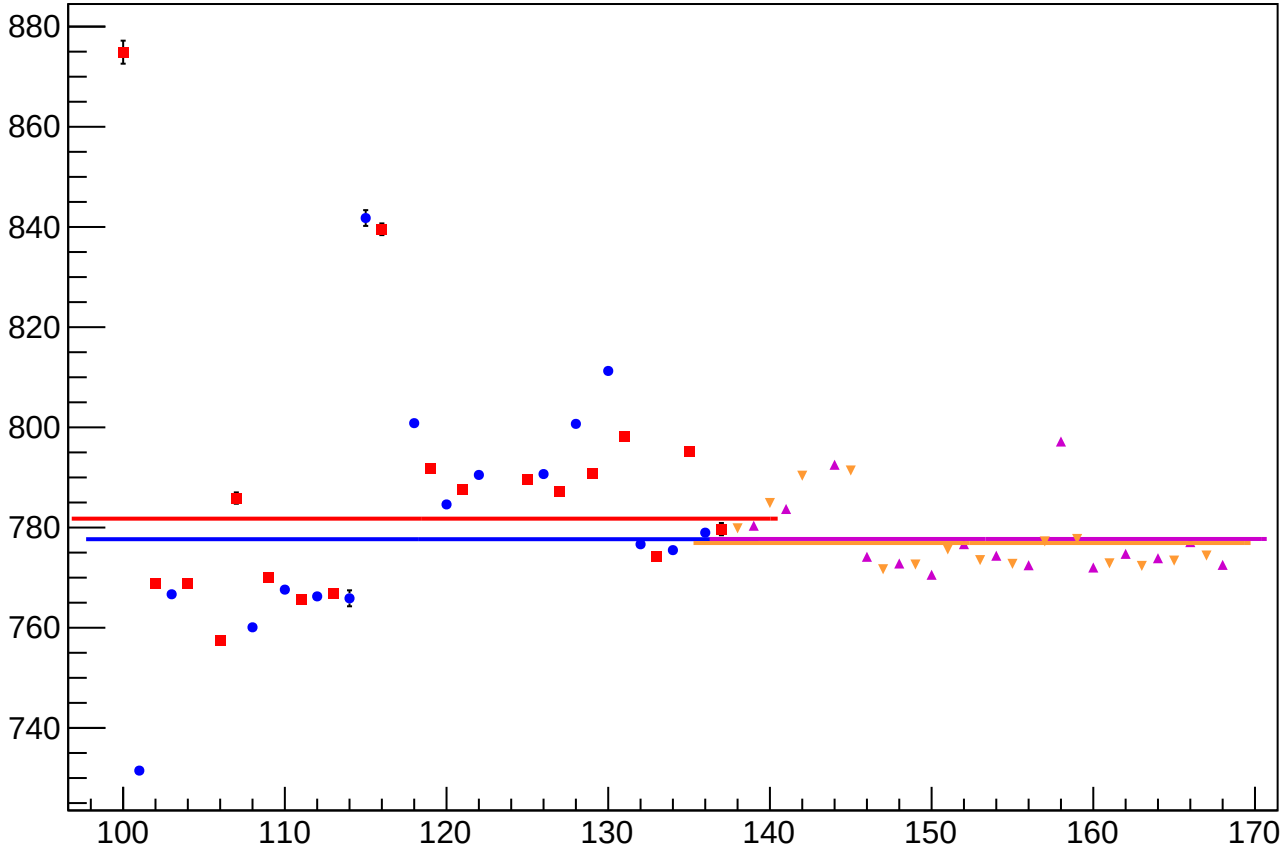
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -329.329+/-175.417 χ^2/NDF:24.2/30

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -176.470+/-124.868 χ^2/NDF: 49.4/63

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

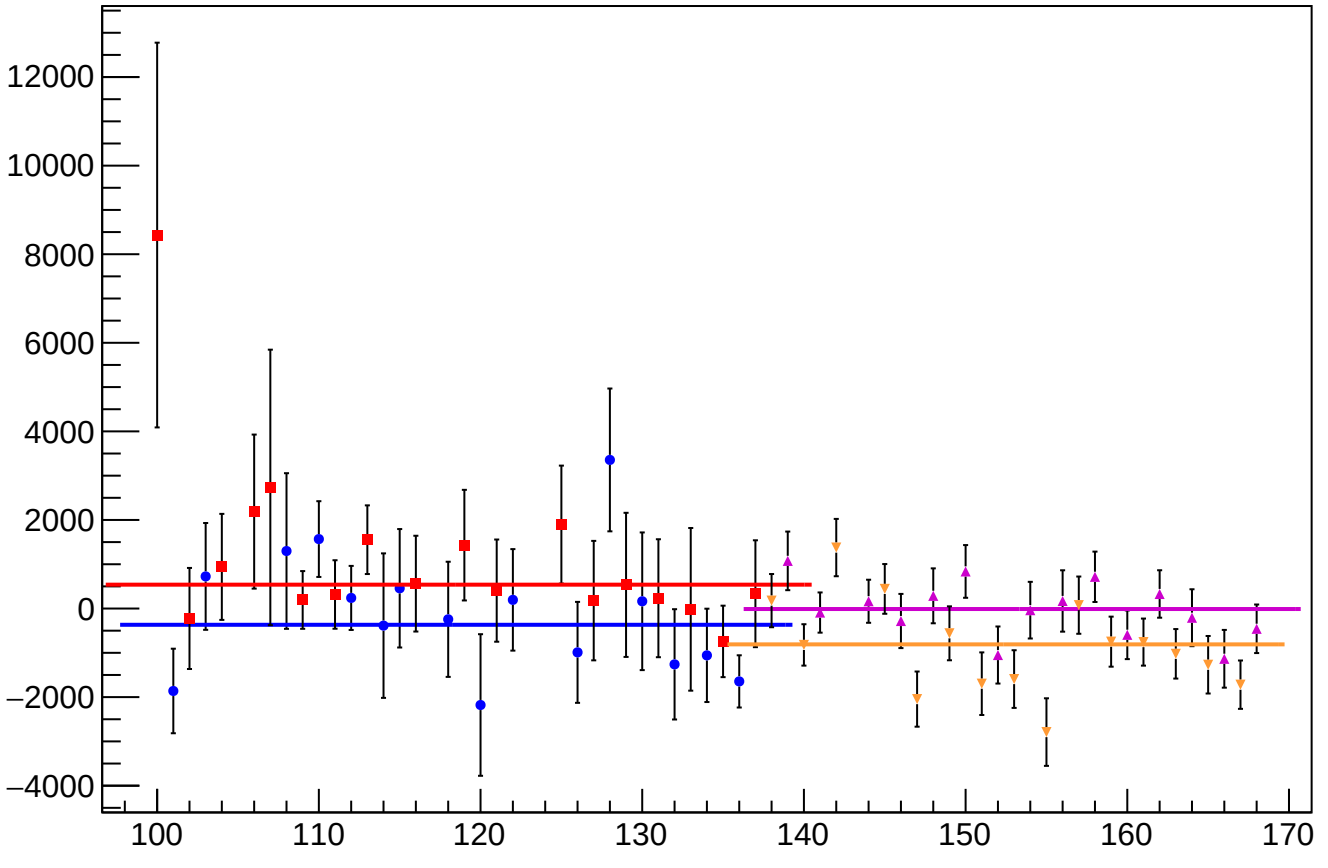
Left: 777.325+/-0.112 χ^2/NDF: 3767.5/29

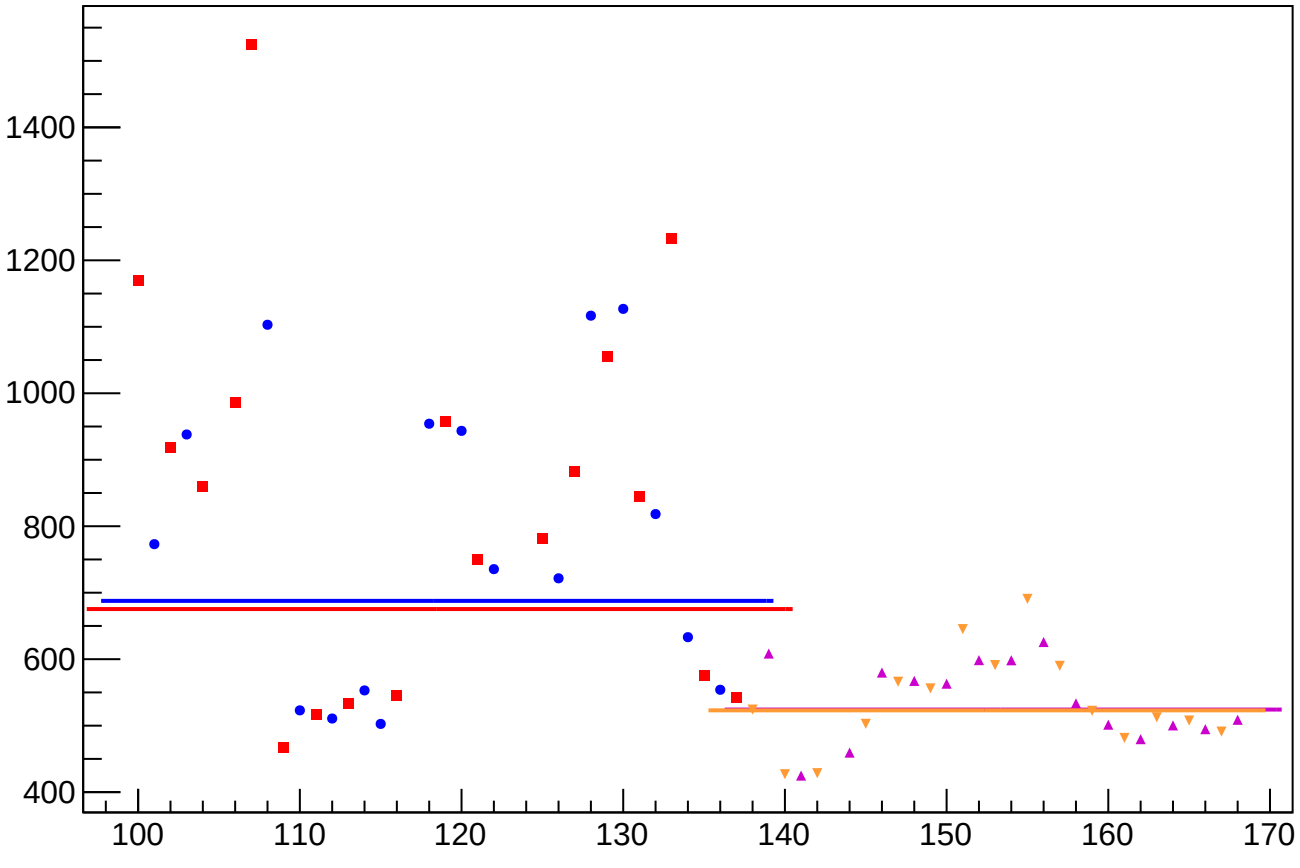
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.704+/-0.124 χ^2/NDF:14452.8/30

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -809.188+/-153.821 χ²/NDF:38.3/14
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: -11.028+/-150.082 χ²/NDF:14.9/14
Left: -400.290+/-107.422 χ²/NDF: 66.9/29
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: -96.646+/-130.795 χ²/NDF:39.5/30
Out: -465.403+/-132.767 χ²/NDF:69.5/32
All: -278.266+/-93.175 χ²/NDF: 113.0/63



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

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

Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

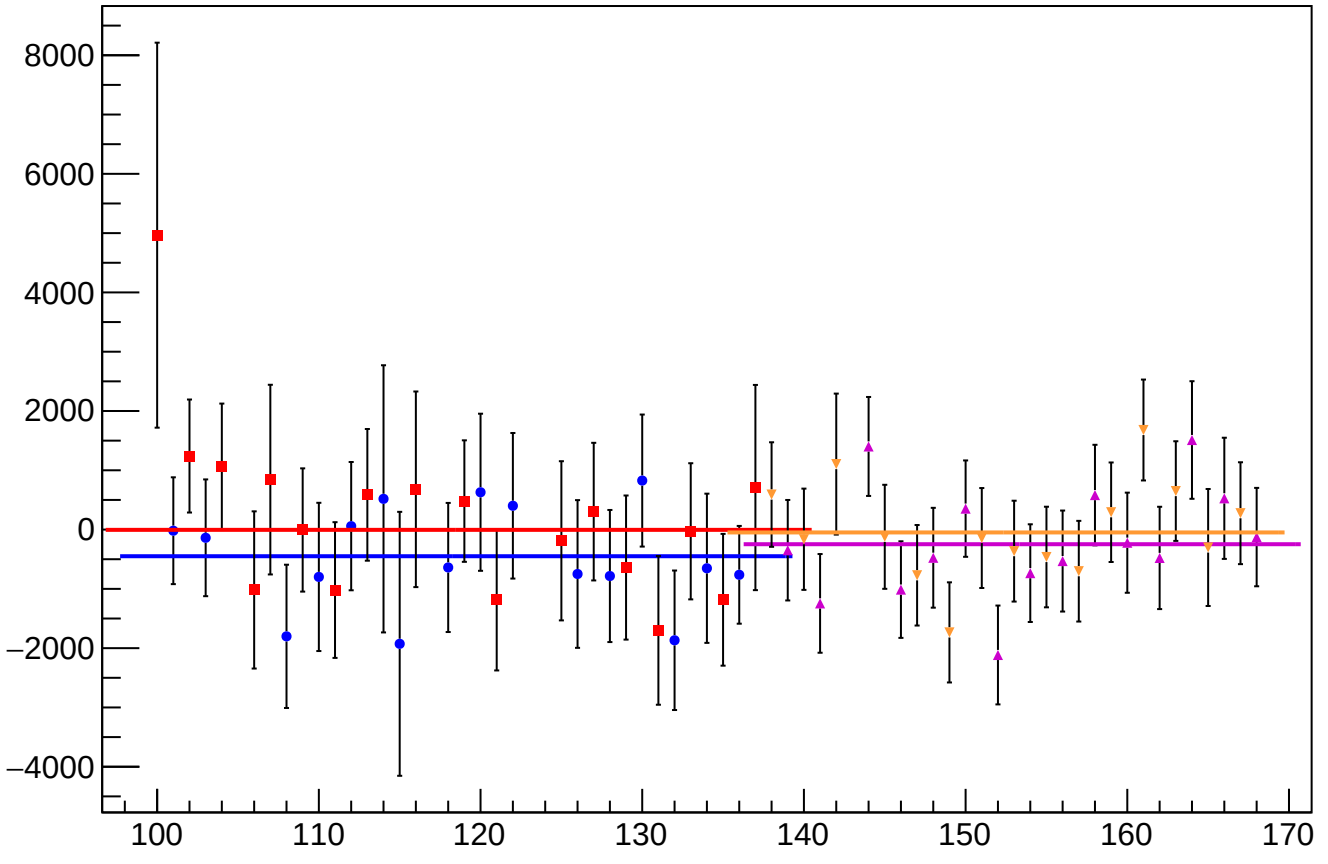
Left: 523.640+/-0.076 χ^2/NDF: 687108.9/29

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

In: 563.538+/-0.092 χ^2/NDF:1923994.5/30

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63



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

Left Out: -48.285+/-225.738 χ^2/NDF:12.4/14

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

Left In: -246.826+/-220.553 χ^2/NDF:17.1/14

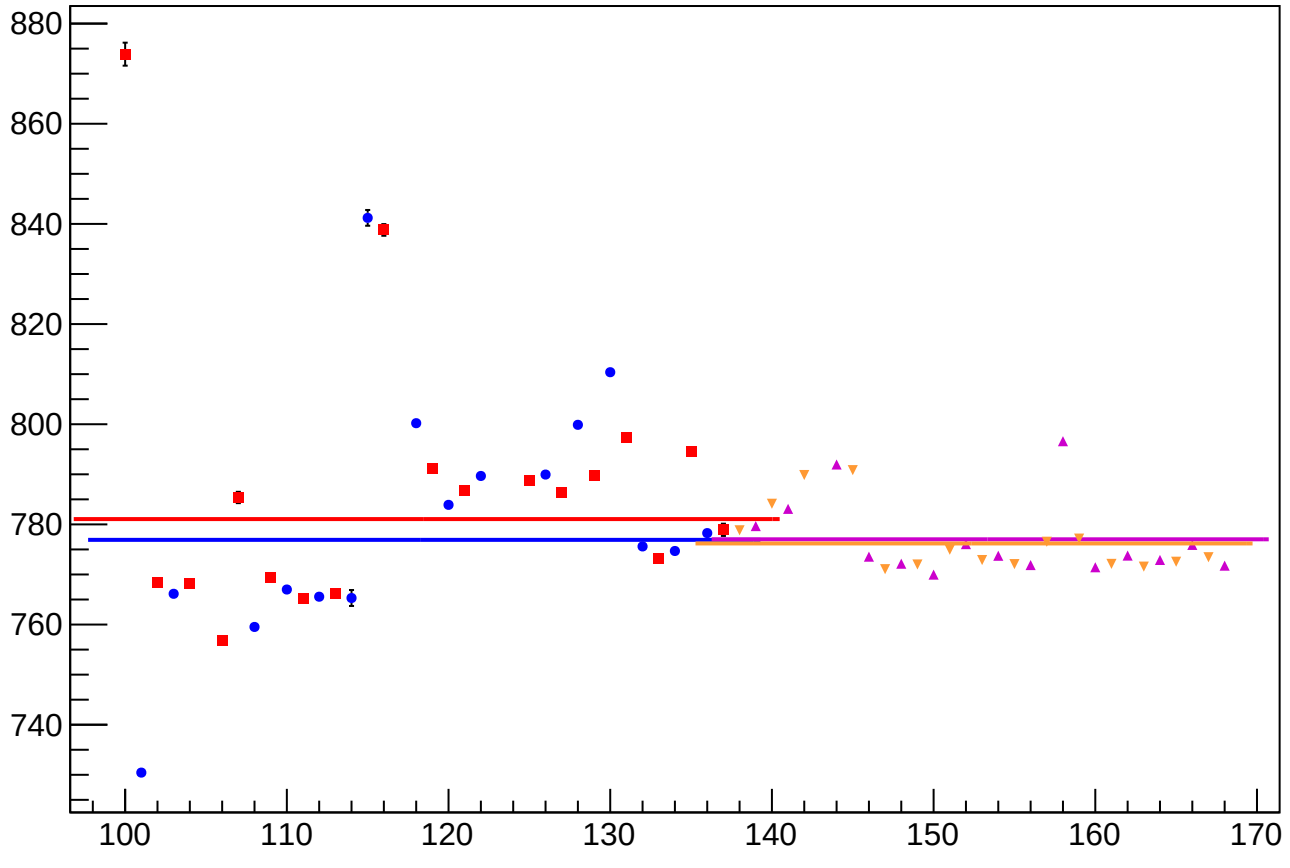
Left: -149.862+/-157.756 χ^2/NDF: 29.9/29

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

In: -321.504+/-175.255 χ^2/NDF:24.2/30

Out: -31.664+/-177.623 χ^2/NDF:24.2/32

All: -178.529+/-124.753 χ^2/NDF: 49.8/63



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

Left Out: 776.194+/-0.160 χ^2/NDF:1373.3/14

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

Left In: 777.023+/-0.156 χ^2/NDF:2427.8/14

Left: 776.618+/-0.112 χ^2/NDF: 3814.9/29

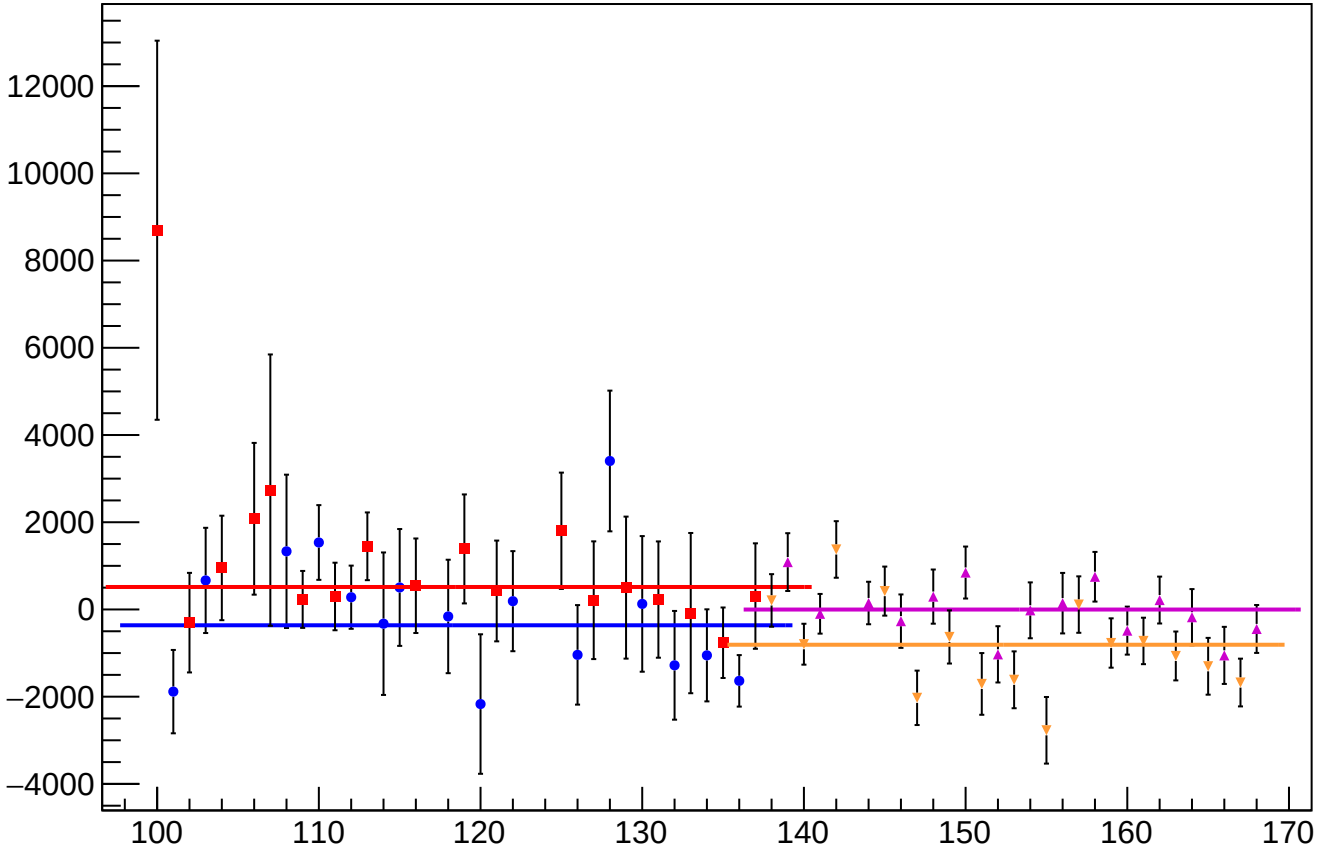
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.983+/-0.124 χ^2/NDF:14551.6/30

Out: 778.048+/-0.126 χ^2/NDF:9313.1/32

All: 777.508+/-0.088 χ^2/NDF: 23901.1/63

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: -809.120+/-154.156 χ^2/NDF:37.9/14

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

Left In: -1.879+/-150.399 χ^2/NDF:13.9/14

Left: -395.543+/-107.652 χ^2/NDF: 65.8/29

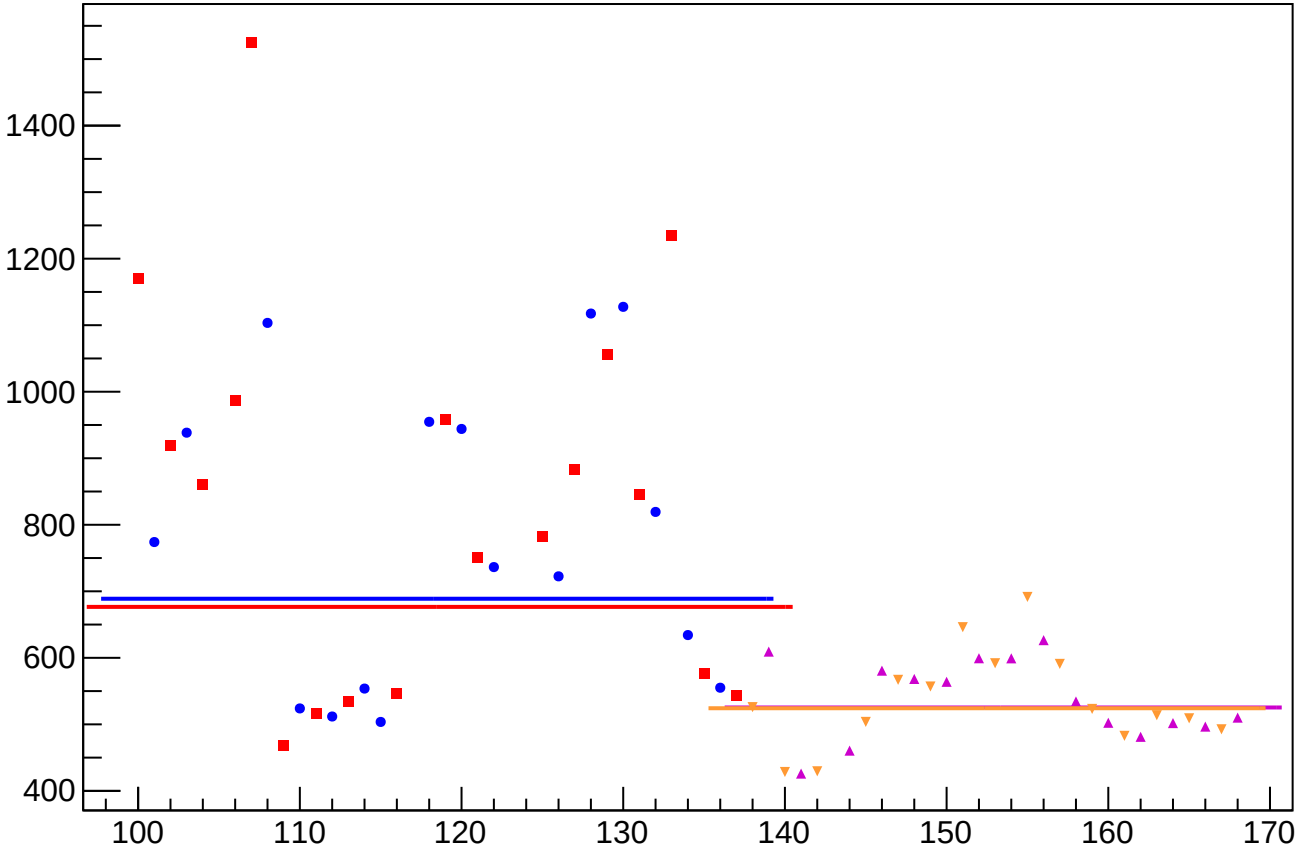
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: -88.774+/-131.050 χ^2/NDF:38.6/30

Out: -471.031+/-133.033 χ^2/NDF:68.2/32

All: -277.033+/-93.359 χ^2/NDF: 111.0/63

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 524.227+/-0.109 χ^2/NDF:362633.2/14

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

Left In: 525.360+/-0.106 χ^2/NDF:318217.2/14

Left: 524.808+/-0.076 χ^2/NDF: 680905.7/29

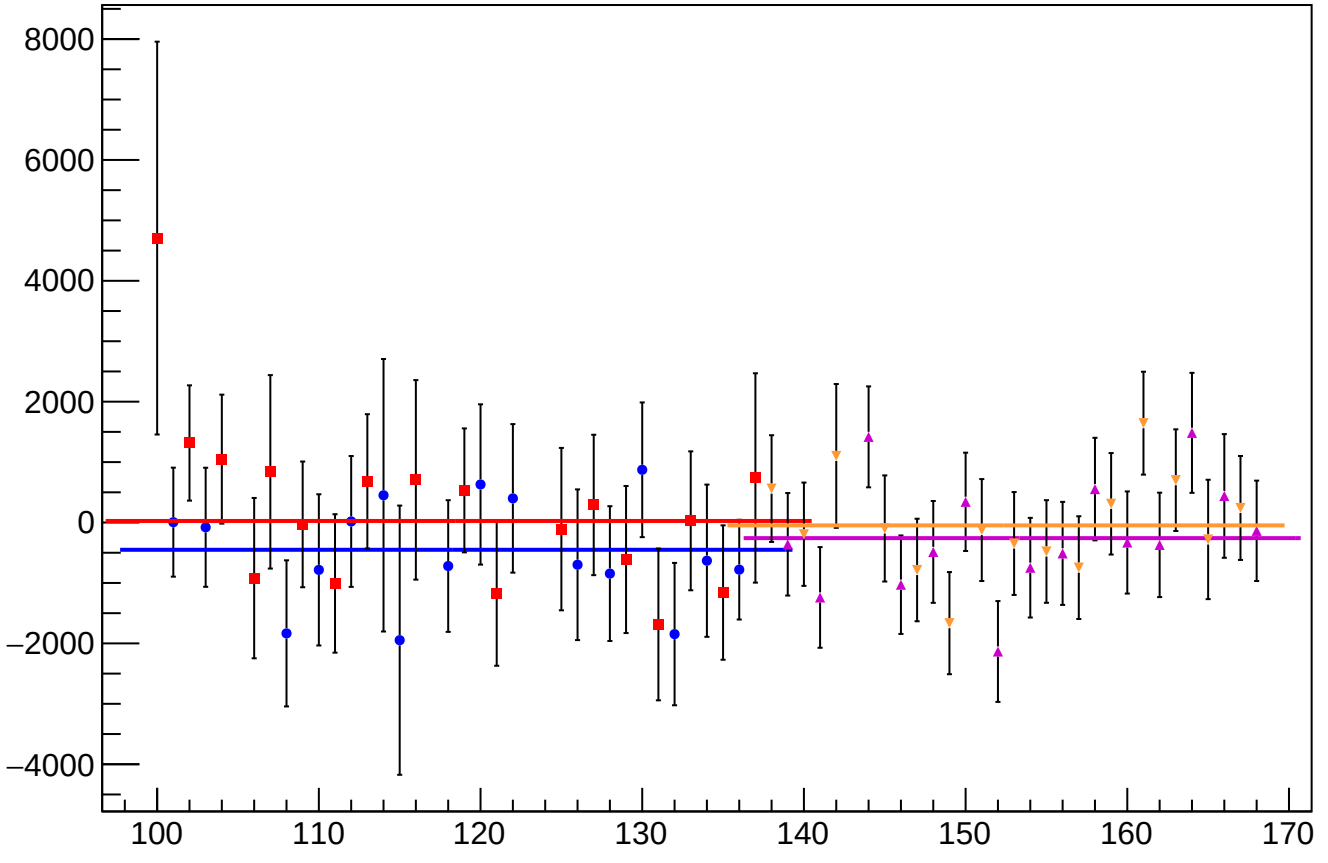
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 564.716+/-0.093 χ^2/NDF:1915162.4/30

Out: 563.117+/-0.094 χ^2/NDF:2169294.7/32

All: 563.928+/-0.066 χ^2/NDF: 4084603.8/63

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -47.477+/-225.946 χ^2/NDF:12.0/14

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

Left In: -258.342+/-220.751 χ^2/NDF:16.9/14

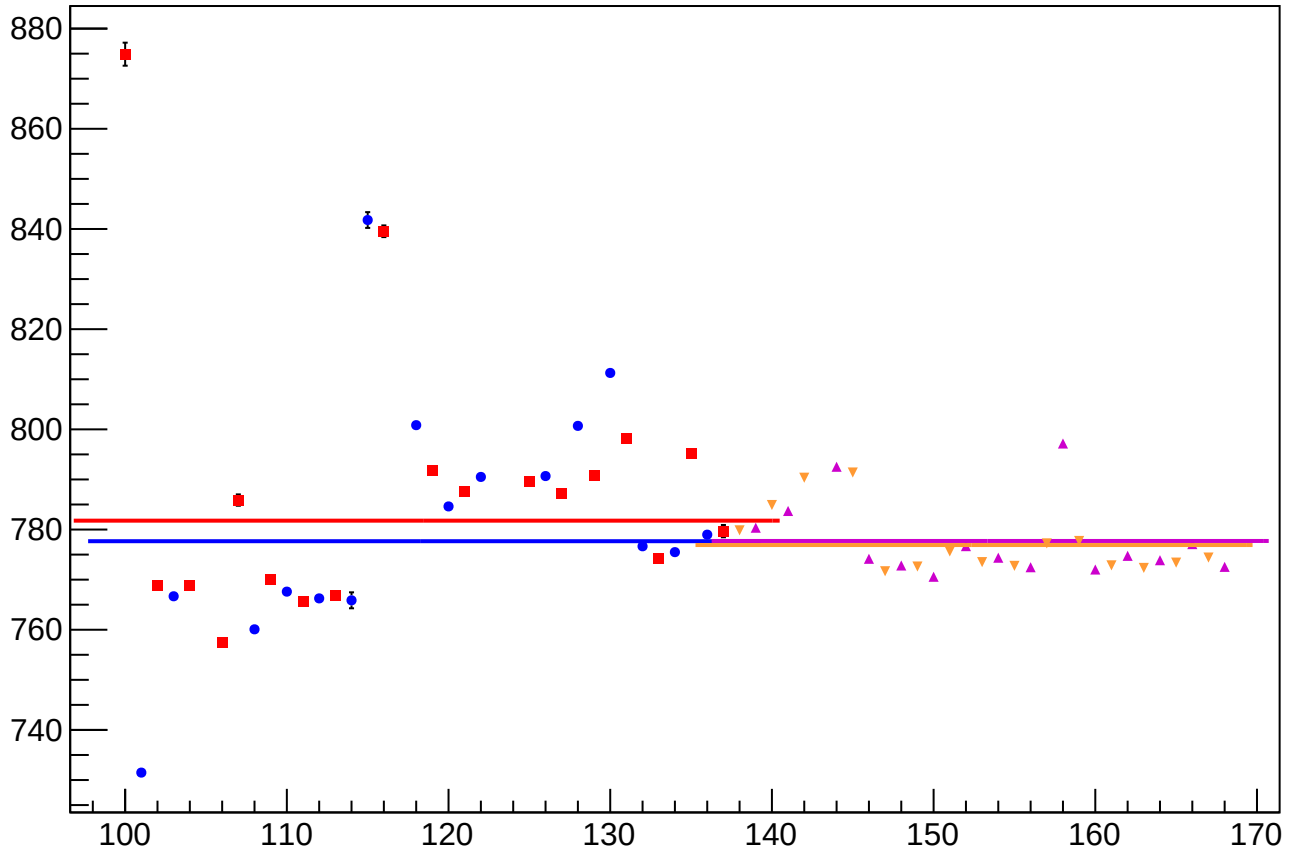
Left: -155.361+/-157.899 χ^2/NDF: 29.4/29

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

In: -329.329+/-175.417 χ^2/NDF:24.2/30

Out: -19.454+/-177.786 χ^2/NDF:23.7/32

All: -176.470+/-124.868 χ^2/NDF: 49.4/63



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

Left Out: 776.909+/-0.160 χ^2/NDF:1356.9/14

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

Left In: 777.721+/-0.156 χ^2/NDF:2397.3/14

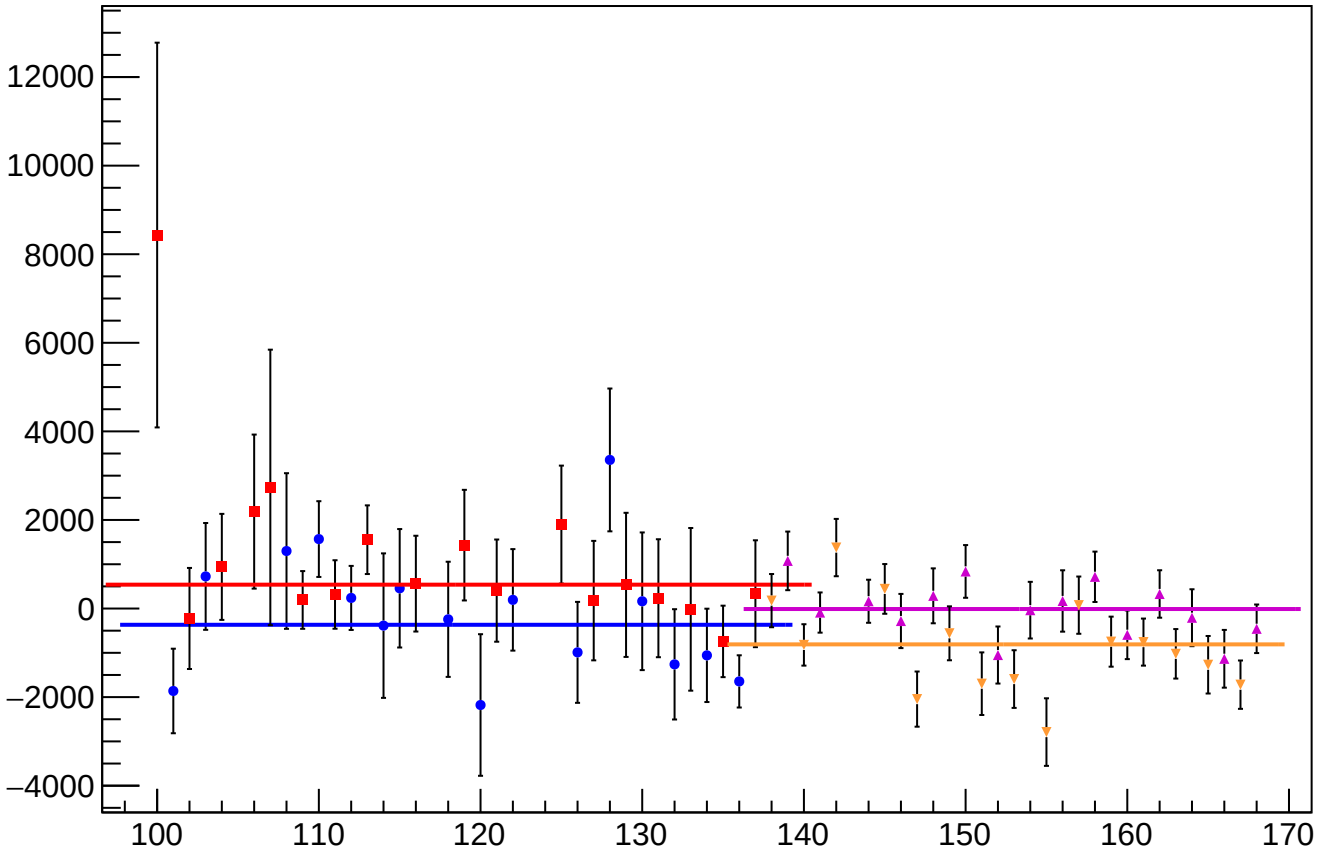
Left: 777.325+/-0.112 χ^2/NDF: 3767.5/29

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

In: 777.704+/-0.124 χ^2/NDF:14452.8/30

Out: 778.763+/-0.126 χ^2/NDF:9336.8/32

All: 778.226+/-0.088 χ^2/NDF: 23825.5/63



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

Left Out: -809.188+/-153.821 χ^2/NDF:38.3/14

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

Left In: -11.028+/-150.082 χ^2/NDF:14.9/14

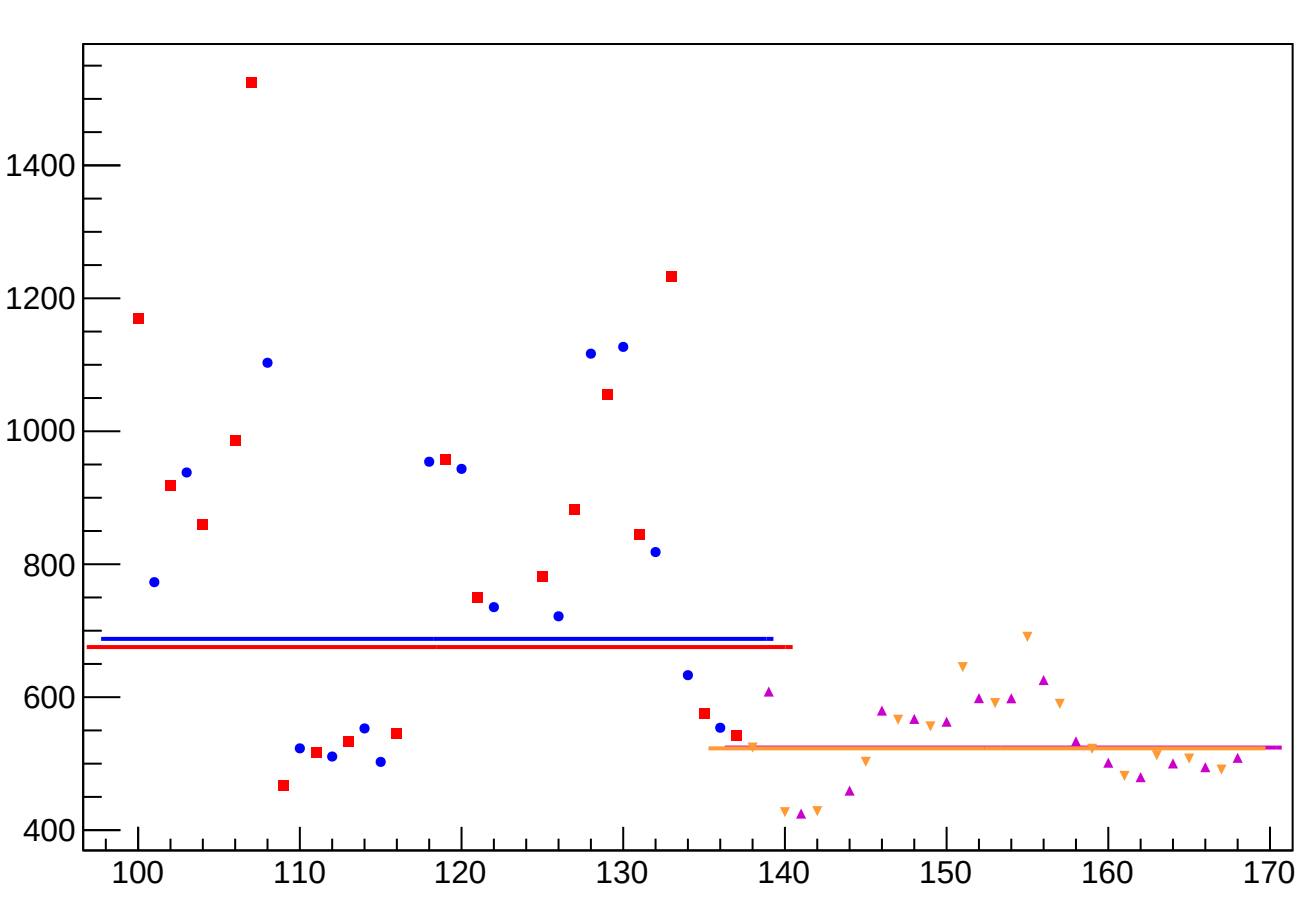
Left: -400.290+/-107.422 χ^2/NDF: 66.9/29

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

In: -96.646+/-130.795 χ^2/NDF:39.5/30

Out: -465.403+/-132.767 χ^2/NDF:69.5/32

All: -278.266+/-93.175 χ^2/NDF: 113.0/63



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

Left Out: 523.038+/-0.109 χ^2/NDF:365864.4/14

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

Left In: 524.214+/-0.106 χ^2/NDF:321184.7/14

Left: 523.640+/-0.076 χ^2/NDF: 687108.9/29

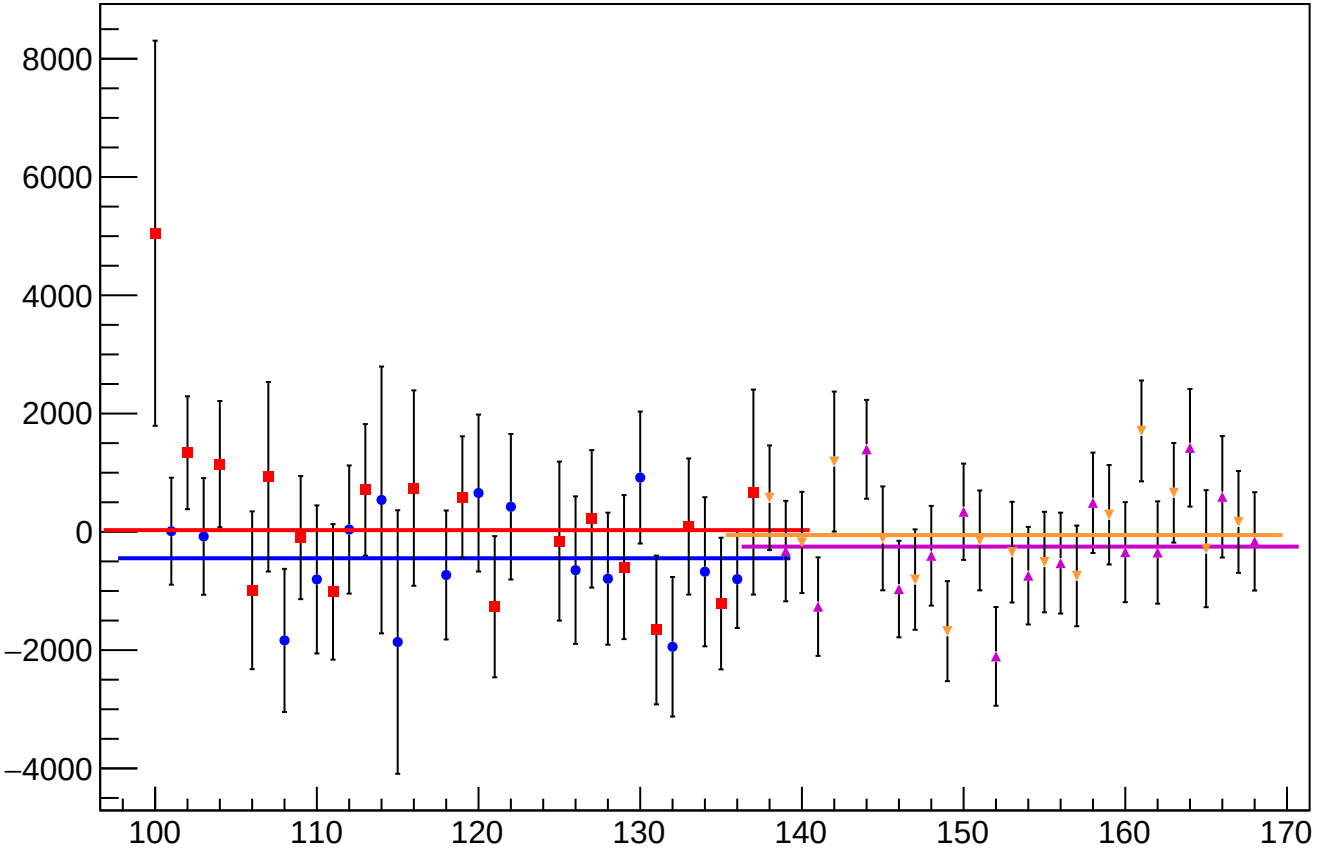
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 563.538+/-0.092 χ^2/NDF:1923994.5/30

Out: 561.896+/-0.094 χ^2/NDF:2179337.6/32

All: 562.729+/-0.066 χ^2/NDF: 4103487.4/63

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -54.220+/-226.140 χ^2/NDF:12.5/14

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

Left In: -249.773+/-220.969 χ^2/NDF:16.4/14

Left: -154.258+/-158.045 χ^2/NDF: 29.2/29

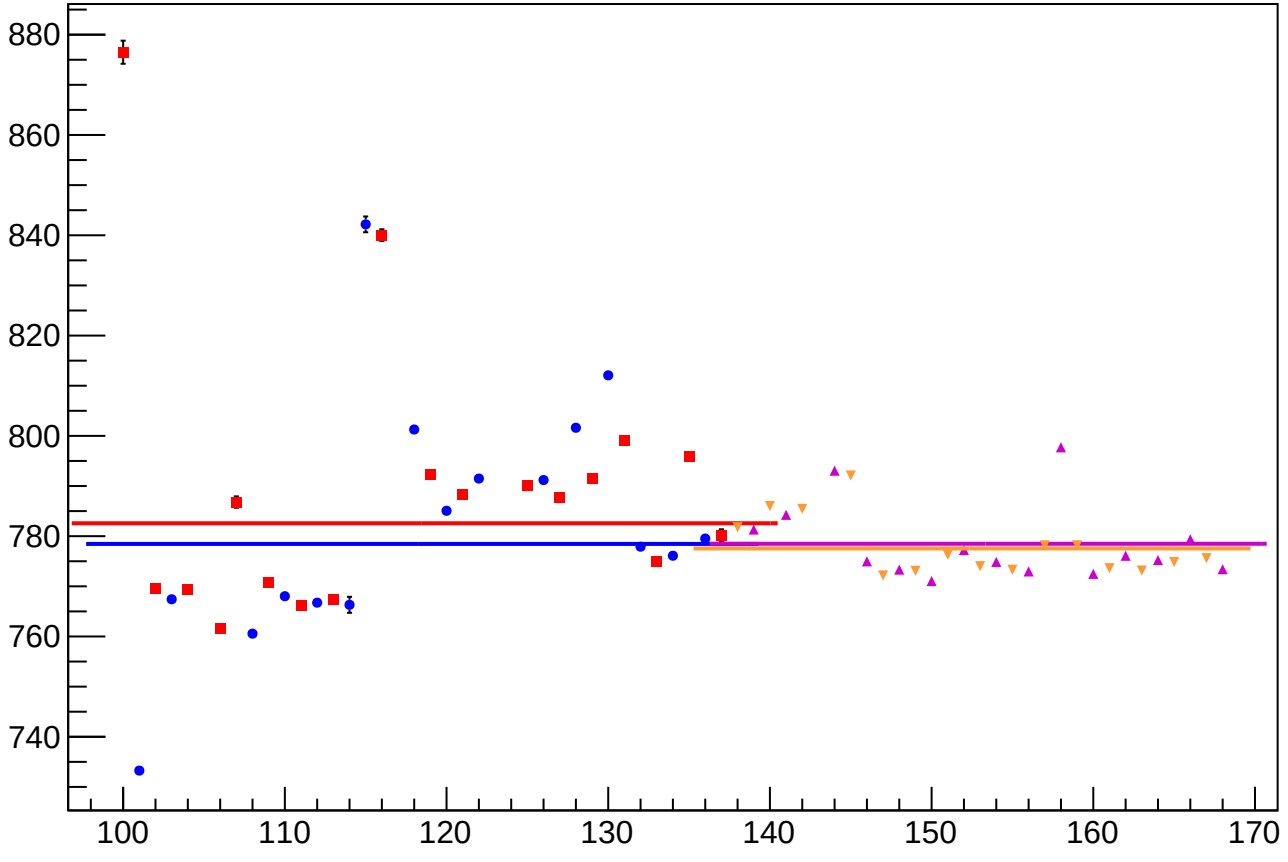
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -322.335+/-175.591 χ^2/NDF:24.0/30

Out: -22.611+/-177.949 χ^2/NDF:25.1/32

All: -174.472+/-124.987 χ^2/NDF: 50.6/63

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

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

Left In: 778.489+/-0.156 χ^2/NDF:2370.5/14

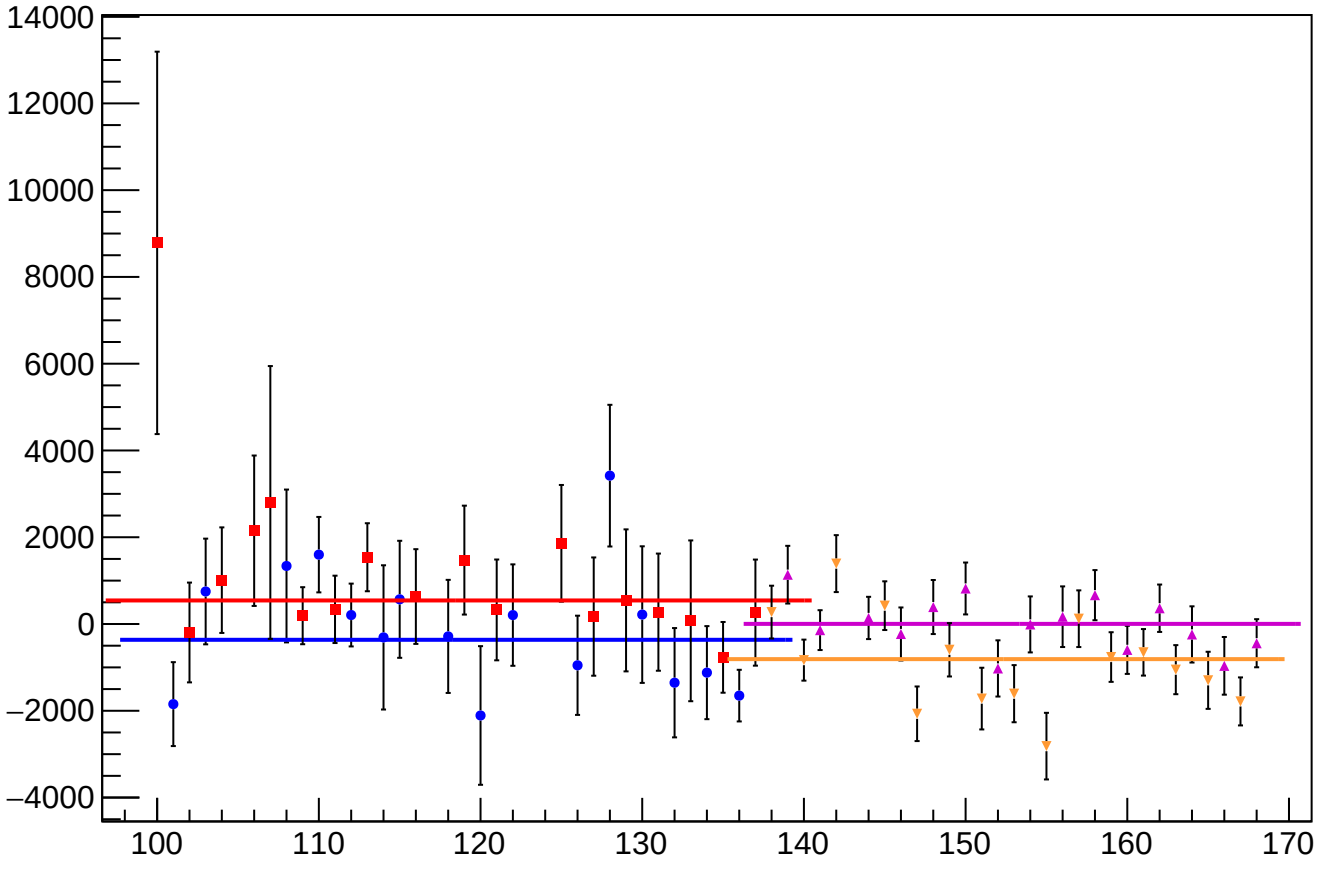
Left: 778.030+/-0.112 χ^2/NDF: 3615.8/29

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

In: 778.477+/-0.124 χ^2/NDF:14165.7/30

Out: 779.463+/-0.126 χ^2/NDF:9085.2/32

All: 778.963+/-0.088 χ^2/NDF: 23282.1/63



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

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

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

Left In: 2.923+/-151.451 χ^2/NDF:13.9/14

Left: -392.766+/-108.470 χ^2/NDF: 67.1/29

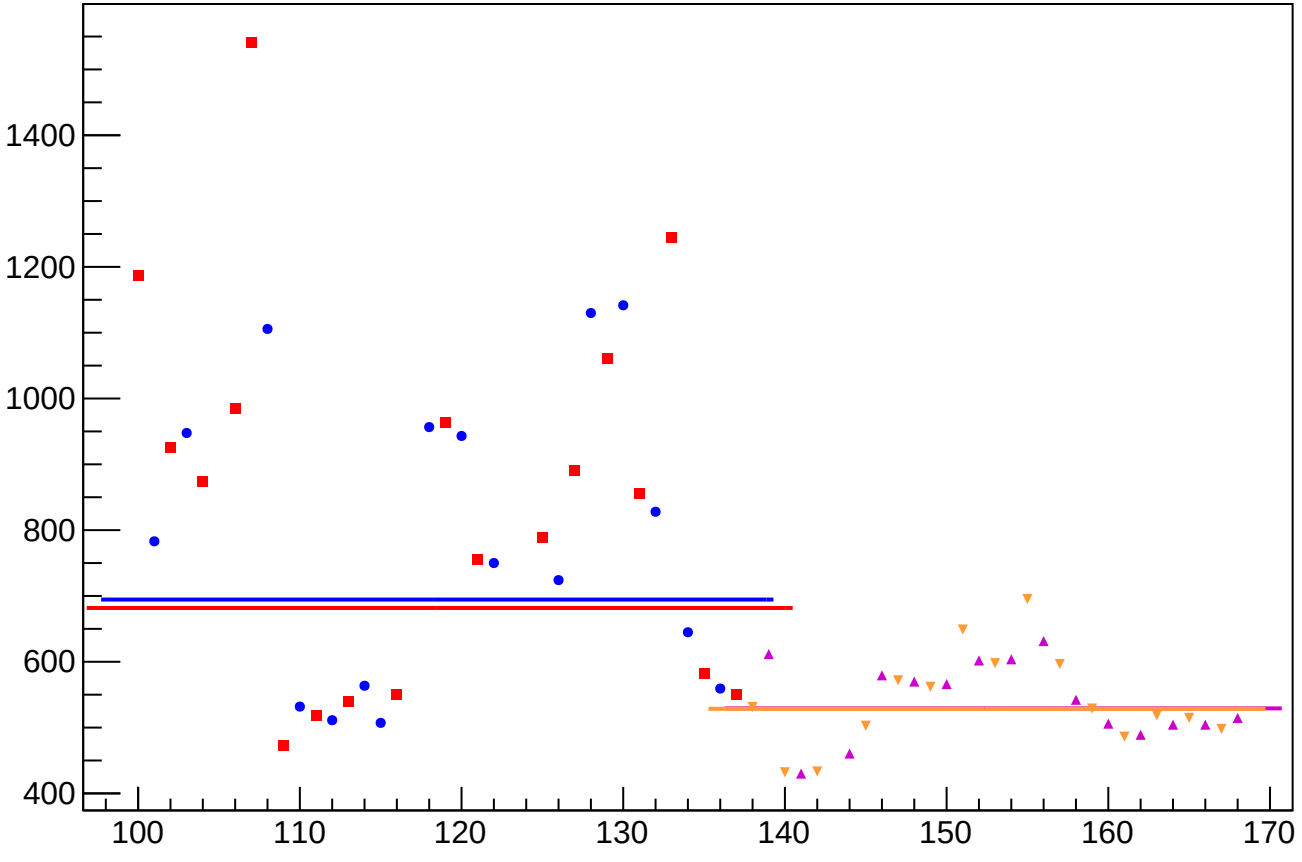
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: -85.229+/-132.009 χ^2/NDF:38.6/30

Out: -463.886+/-134.103 χ^2/NDF:70.4/32

All: -271.579+/-94.076 χ^2/NDF: 113.0/63

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 528.598+/-0.110 χ^2/NDF:360744.1/14

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

Left In: 529.193+/-0.107 χ^2/NDF:310485.8/14

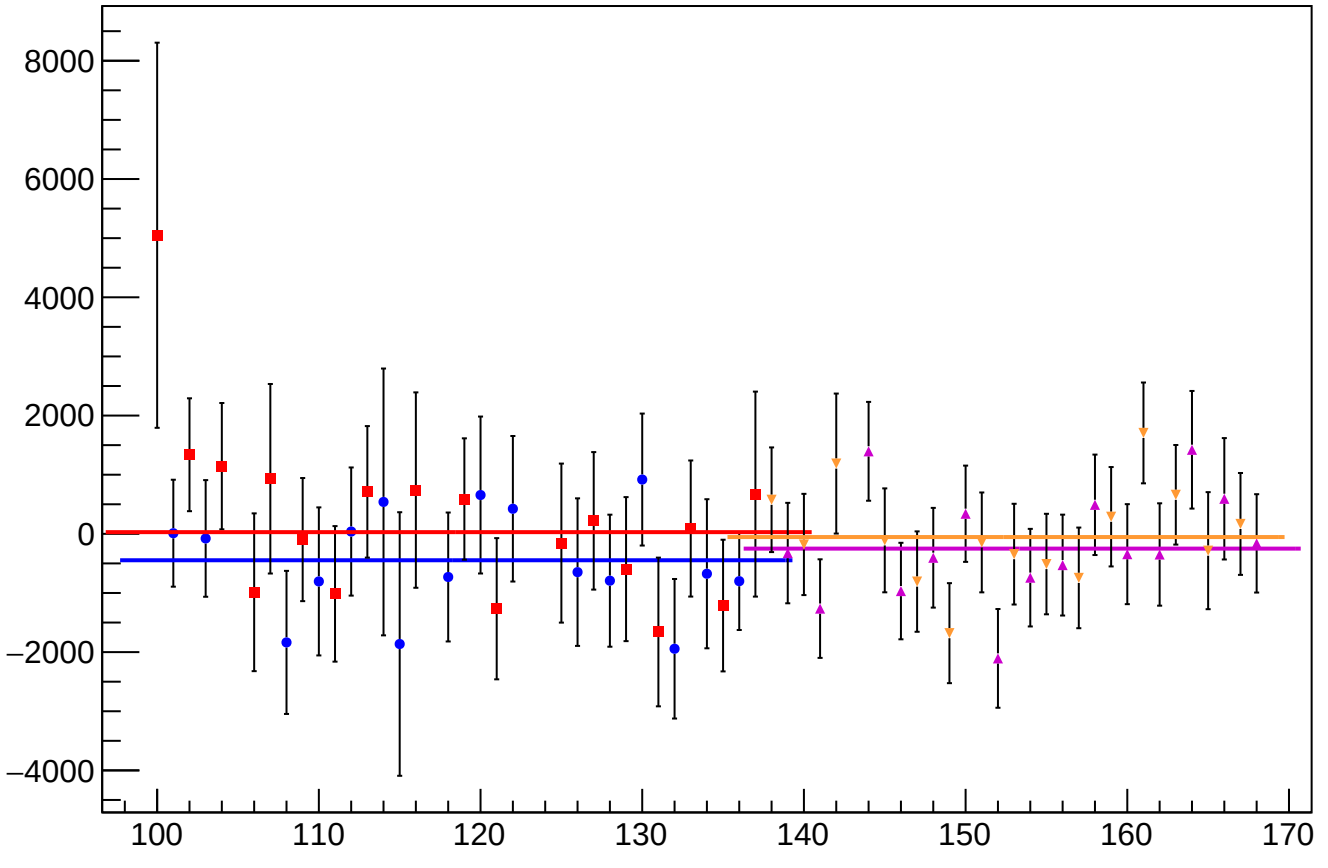
Left: 528.903+/-0.077 χ^2/NDF: 671244.9/29

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

In: 568.915+/-0.093 χ^2/NDF:1912998.9/30

Out: 567.736+/-0.095 χ^2/NDF:2168295.6/32

All: 568.335+/-0.067 χ^2/NDF: 4081373.0/63



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

Left Out: -54.221+/-226.140 χ^2/NDF:12.5/14

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

Left In: -249.773+/-220.969 χ^2/NDF:16.4/14

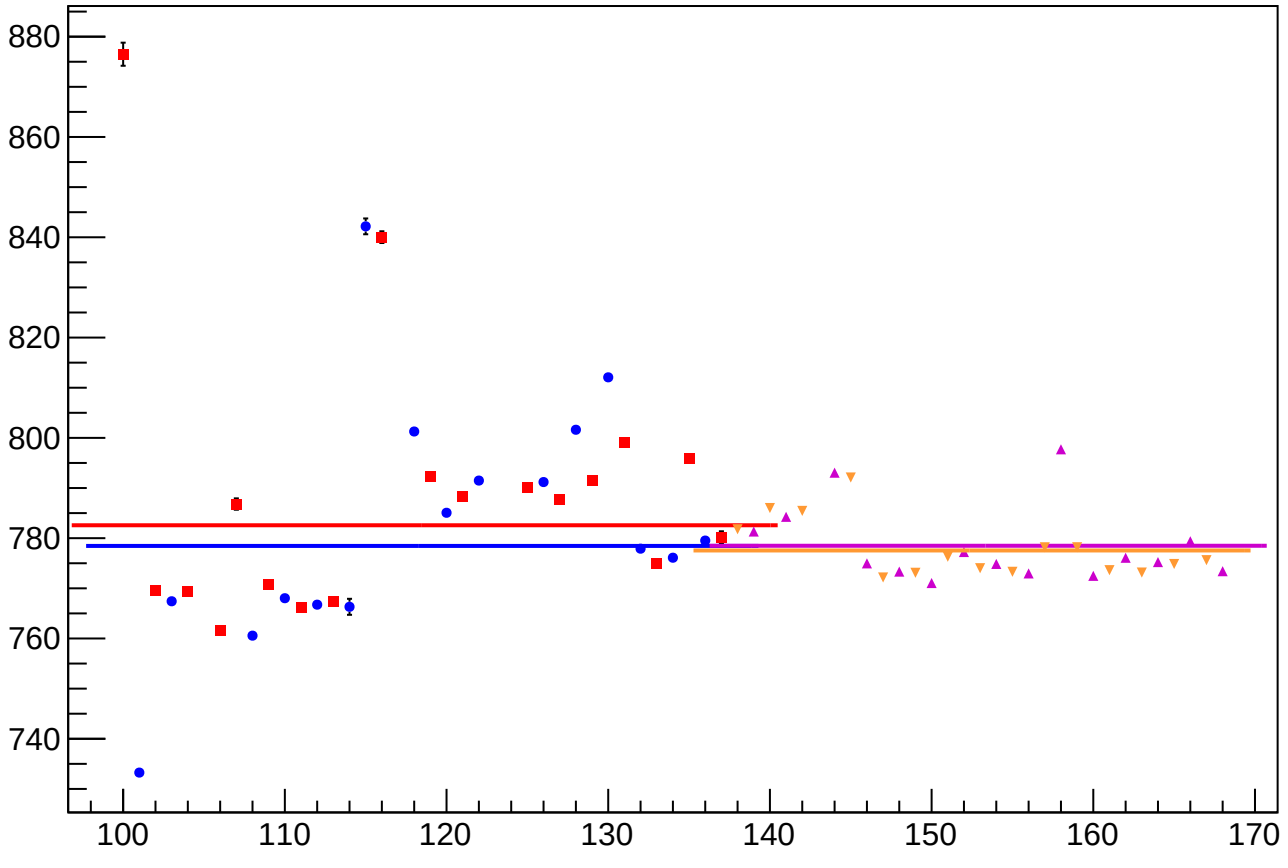
Left: -154.258+/-158.045 χ^2/NDF: 29.2/29

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

In: -322.334+/-175.591 χ^2/NDF:24.0/30

Out: -22.613+/-177.949 χ^2/NDF:25.1/32

All: -174.473+/-124.987 χ^2/NDF: 50.6/63



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

Left Out: 777.550+/-0.160 χ^2/NDF:1227.7/14

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

Left In: 778.489+/-0.156 χ^2/NDF:2370.5/14

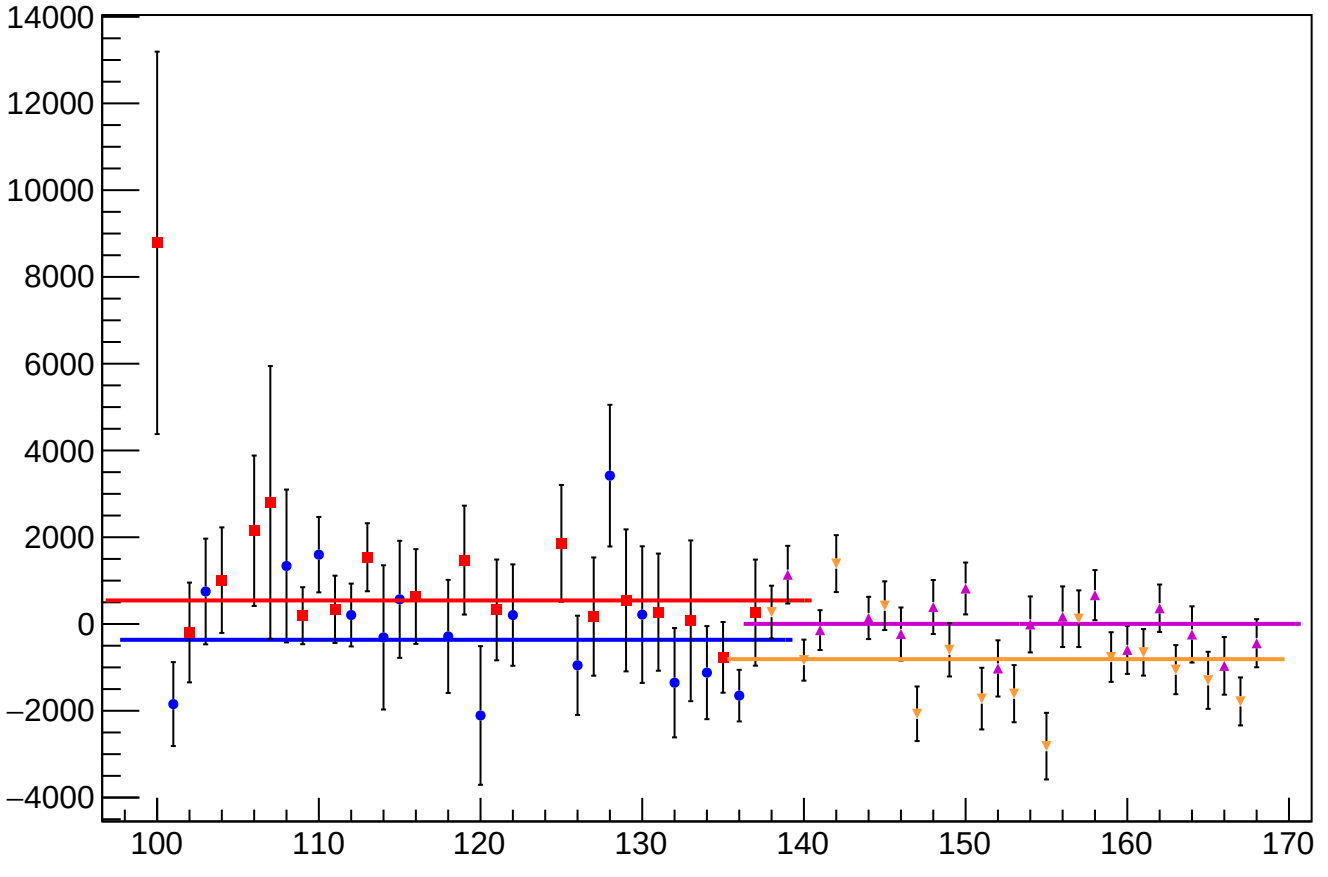
Left: 778.030+/-0.112 χ^2/NDF: 3615.8/29

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

In: 778.477+/-0.124 χ^2/NDF:14165.7/30

Out: 779.463+/-0.126 χ^2/NDF:9085.2/32

All: 778.963+/-0.088 χ^2/NDF: 23282.0/63



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

Left Out: -809.495+/-155.425 χ^2/NDF:39.3/14

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

Left In: 2.921+/-151.451 χ^2/NDF:13.9/14

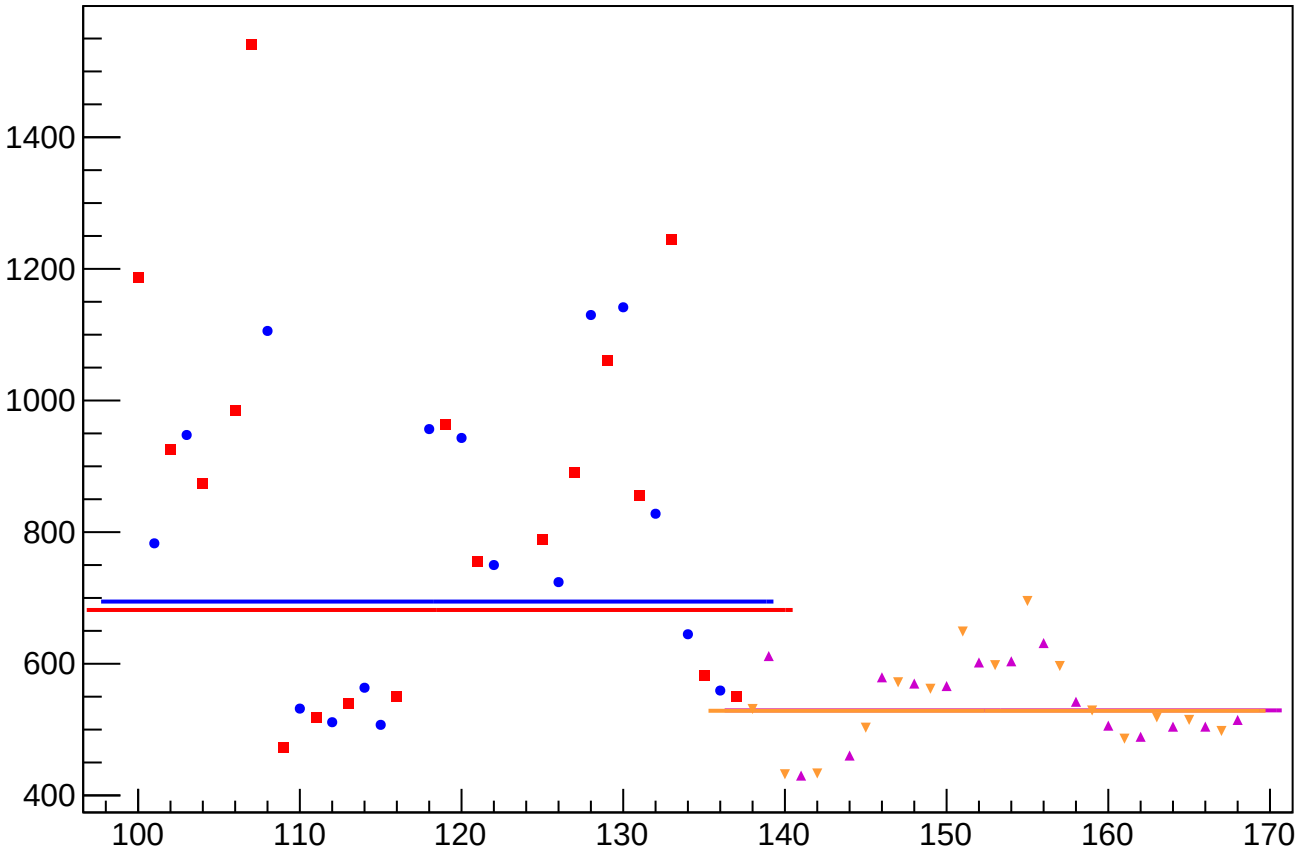
Left: -392.766+/-108.470 χ^2/NDF: 67.1/29

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

In: -85.230+/-132.009 χ^2/NDF:38.6/30

Out: -463.884+/-134.103 χ^2/NDF:70.4/32

All: -271.578+/-94.076 χ^2/NDF: 113.0/63



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

Left Out: 528.598+/-0.110 χ^2/NDF:360756.6/14

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

Left In: 529.193+/-0.107 χ^2/NDF:310498.3/14

Left: 528.903+/-0.077 χ^2/NDF: 671270.0/29

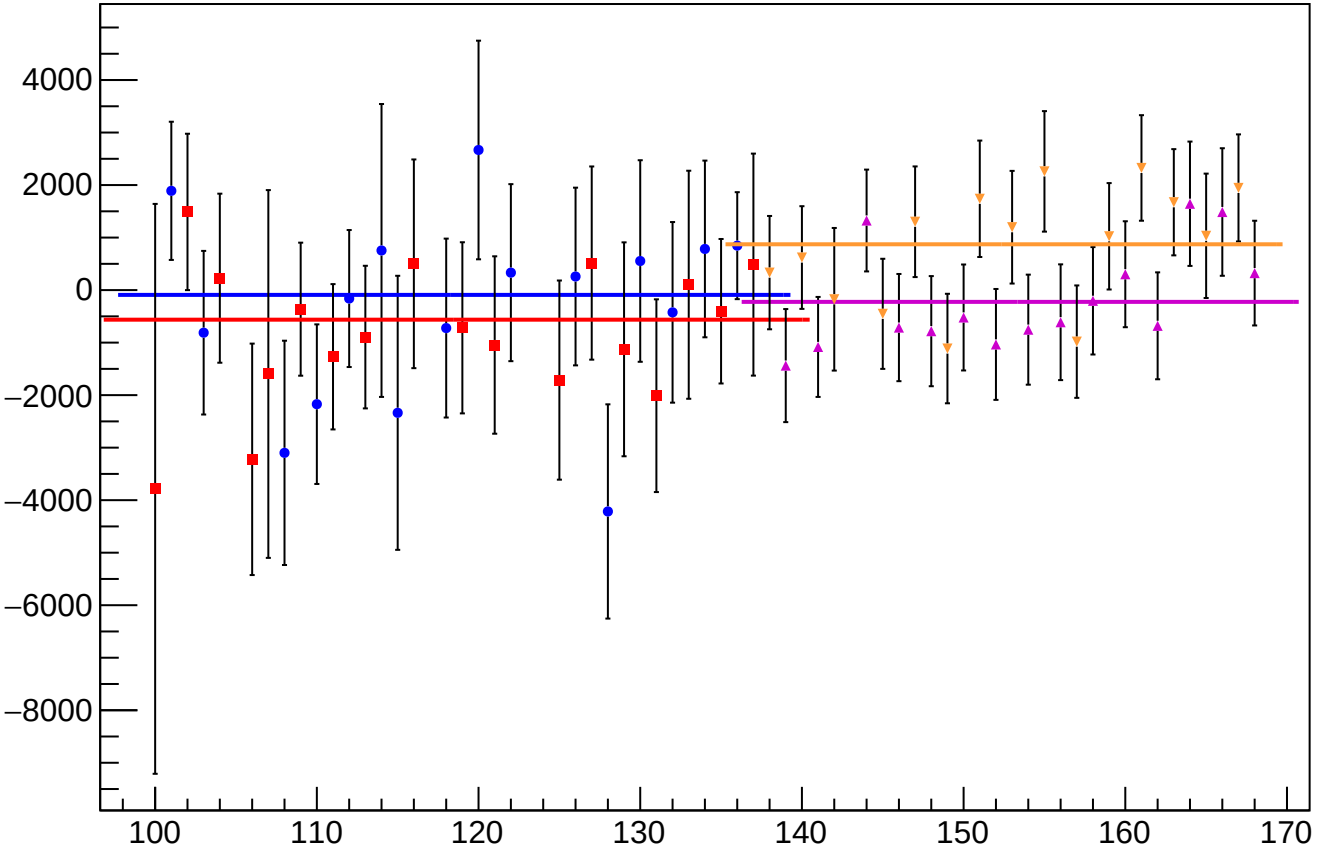
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 568.915+/-0.093 χ^2/NDF:1913001.9/30

Out: 567.735+/-0.095 χ^2/NDF:2168309.5/32

All: 568.334+/-0.067 χ^2/NDF: 4081390.0/63

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 872.301+/-276.165 χ^2/NDF:15.3/14

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

Left In: -224.310+/-269.032 χ^2/NDF:11.5/14

Left: 309.650+/-192.707 χ^2/NDF: 34.9/29

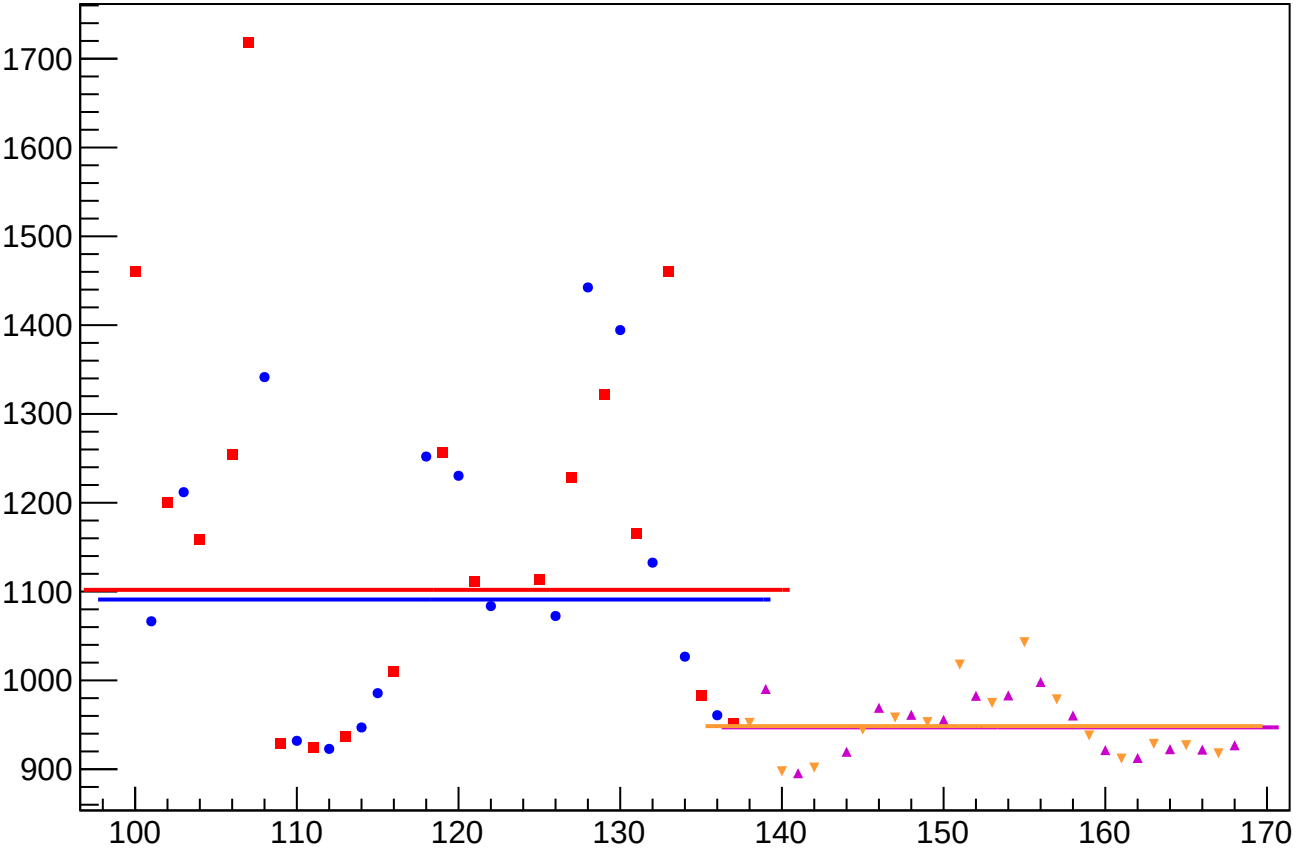
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -184.273+/-224.924 χ^2/NDF:26.1/30

Out: 426.597+/-229.322 χ^2/NDF:30.2/32

All: 115.248+/-160.578 χ^2/NDF: 59.9/63

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 948.503+/-0.195 χ^2/NDF:38302.8/14

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

Left In: 947.119+/-0.190 χ^2/NDF:27527.5/14

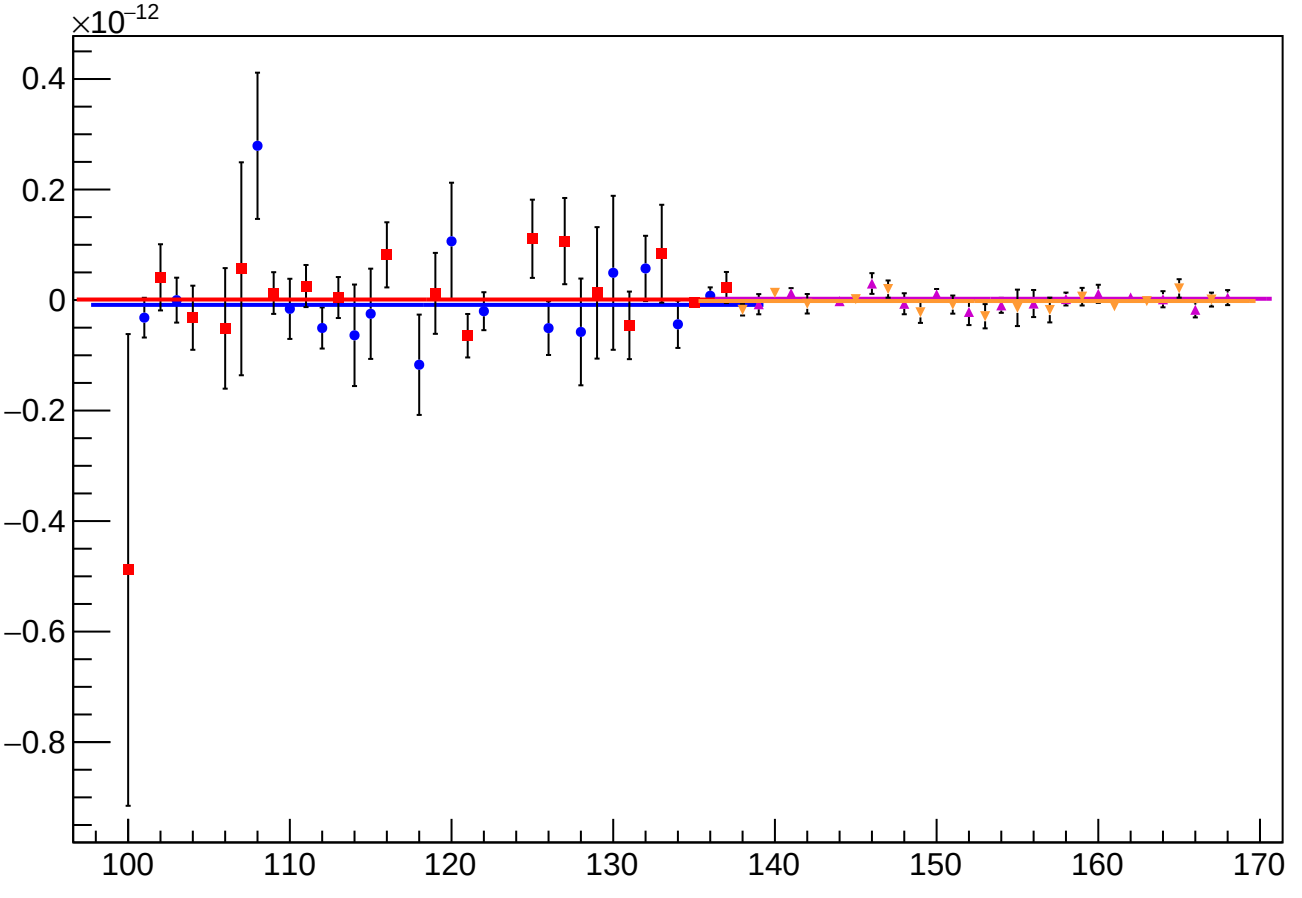
Left: 947.793+/-0.136 χ^2/NDF: 65856.0/29

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

In: 990.443+/-0.159 χ^2/NDF:477126.8/30

Out: 996.144+/-0.162 χ^2/NDF:558120.0/32

All: 993.238+/-0.114 χ^2/NDF: 1035876.9/63



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/14

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

Left In: 0.000+/-0.000 χ^2/NDF:9.1/14

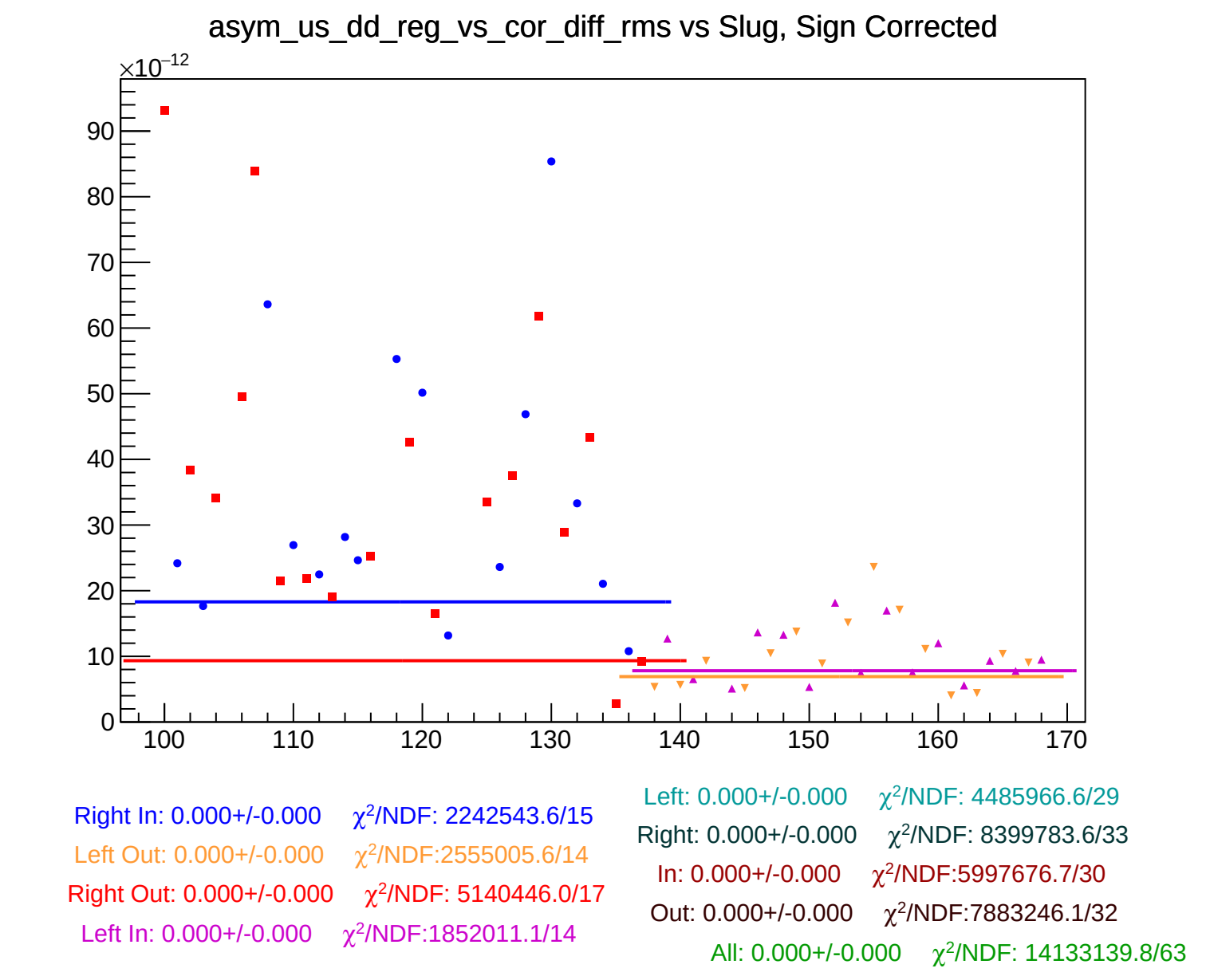
Left: 0.000+/-0.000 χ^2/NDF: 25.3/29

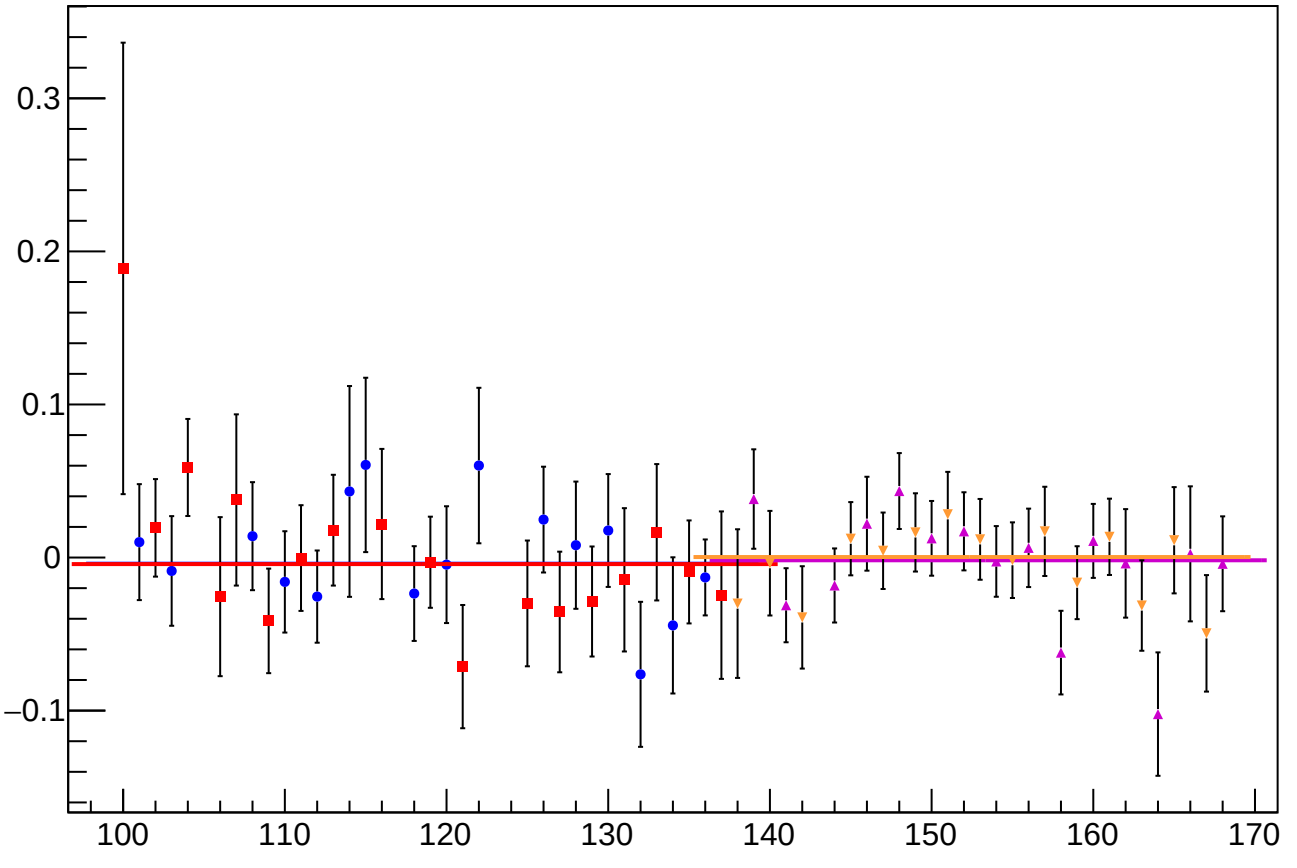
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:24.0/30

Out: -0.000+/-0.000 χ^2/NDF:29.9/32

All: -0.000+/-0.000 χ^2/NDF: 54.2/63


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2555005.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1852011.1/14
Left: 0.000+/-0.000 χ²/NDF: 4485966.6/29
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5997676.7/30
Out: 0.000+/-0.000 χ²/NDF:7883246.1/32
All: 0.000+/-0.000 χ²/NDF: 14133139.8/63



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/14

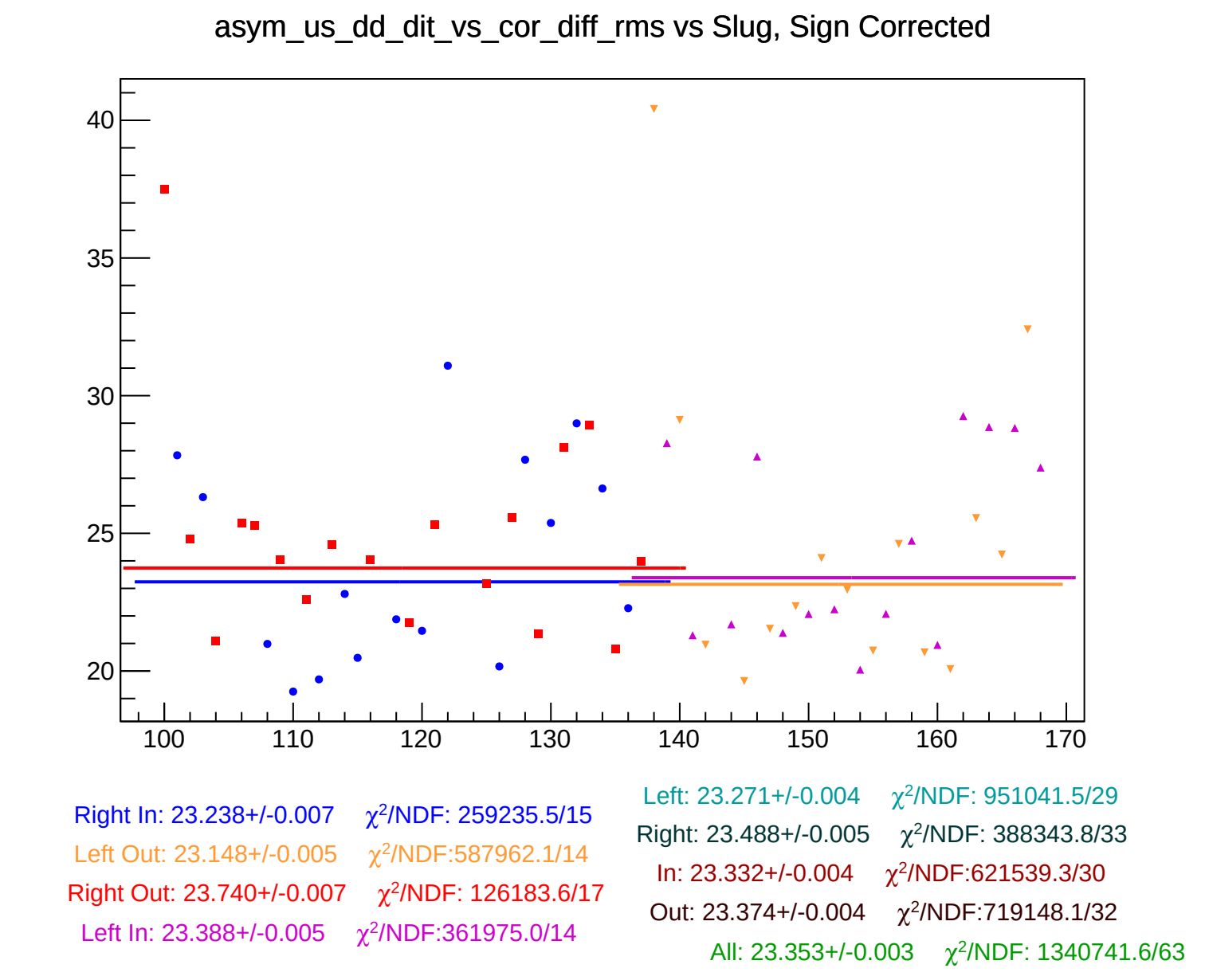
Left: -0.001+/-0.005 χ^2/NDF: 27.6/29

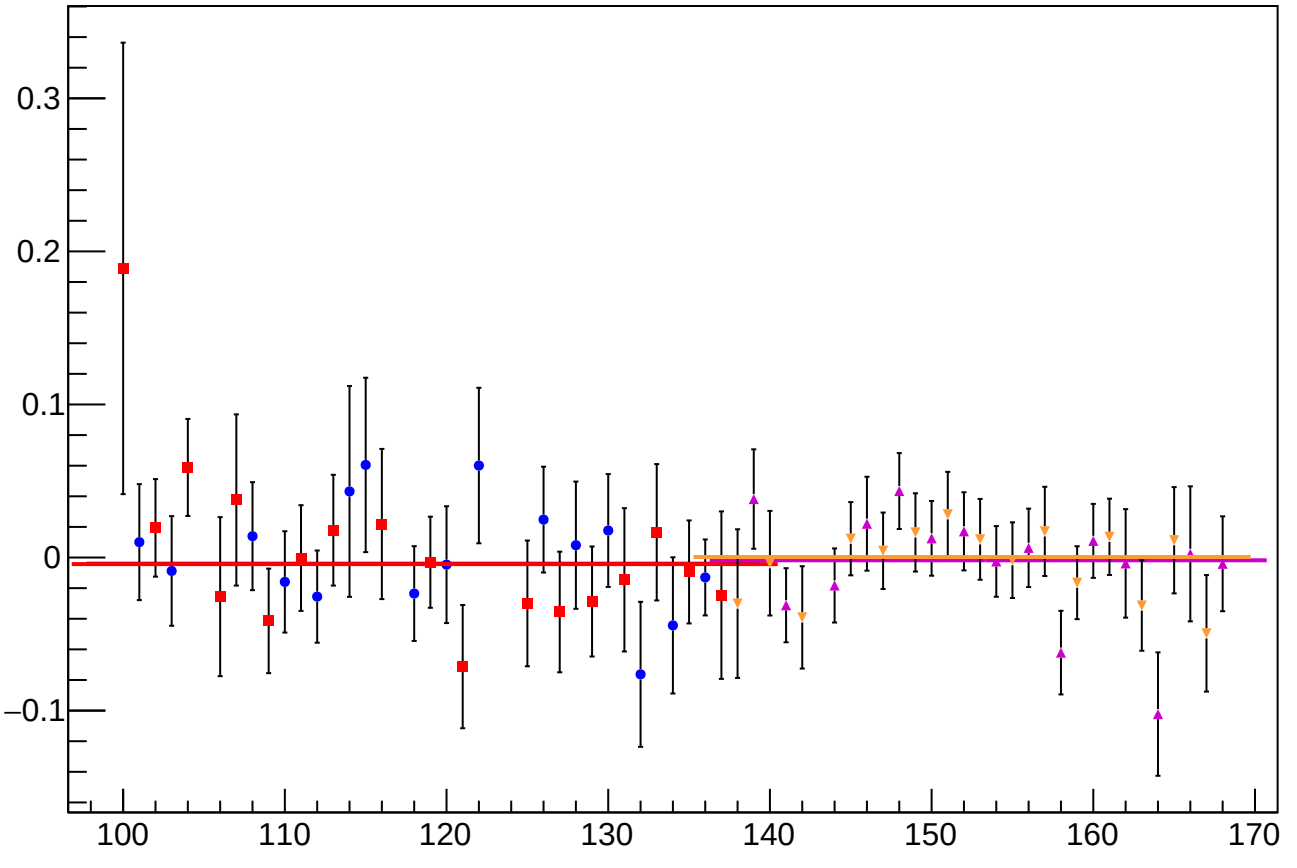
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.003+/-0.006 χ^2/NDF:29.0/30

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/63


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.148+/-0.005 χ²/NDF:587962.1/14
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.388+/-0.005 χ²/NDF:361975.0/14
Left: 23.271+/-0.004 χ²/NDF: 951041.5/29
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.332+/-0.004 χ²/NDF:621539.3/30
Out: 23.374+/-0.004 χ²/NDF:719148.1/32
All: 23.353+/-0.003 χ²/NDF: 1340741.6/63



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/14

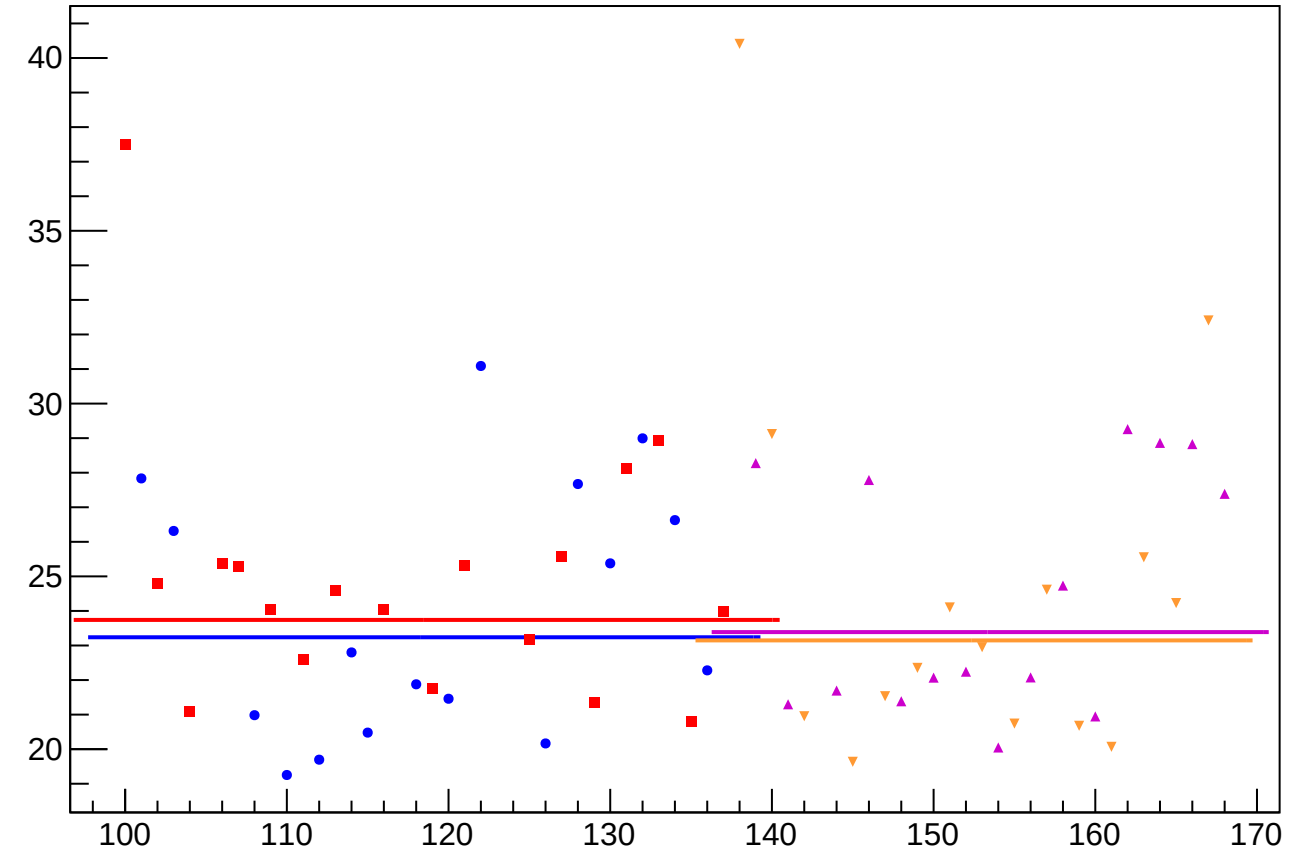
Left: -0.001+/-0.005 χ^2/NDF: 27.6/29

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

In: -0.003+/-0.006 χ^2/NDF:29.0/30

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/63



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

Left Out: 23.148+/-0.005 χ^2/NDF:587962.1/14

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

Left In: 23.388+/-0.005 χ^2/NDF:361975.0/14

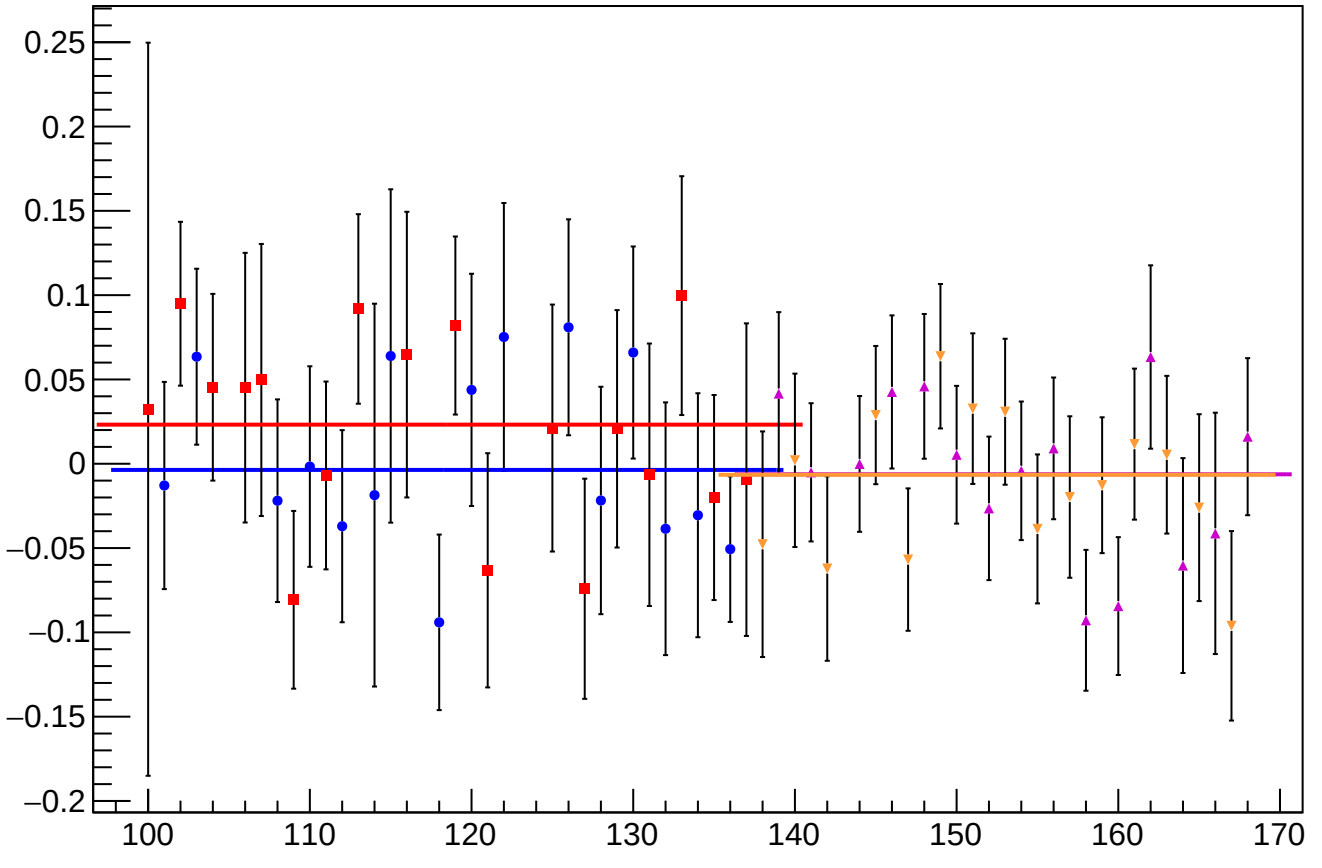
Left: 23.271+/-0.004 χ^2/NDF: 951041.5/29

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

In: 23.332+/-0.004 χ^2/NDF:621539.3/30

Out: 23.374+/-0.004 χ^2/NDF:719148.1/32

All: 23.353+/-0.003 χ^2/NDF: 1340741.6/63



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

Left Out: -0.007+/-0.012 χ^2/NDF:11.3/14

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

Left In: -0.006+/-0.012 χ^2/NDF:14.9/14

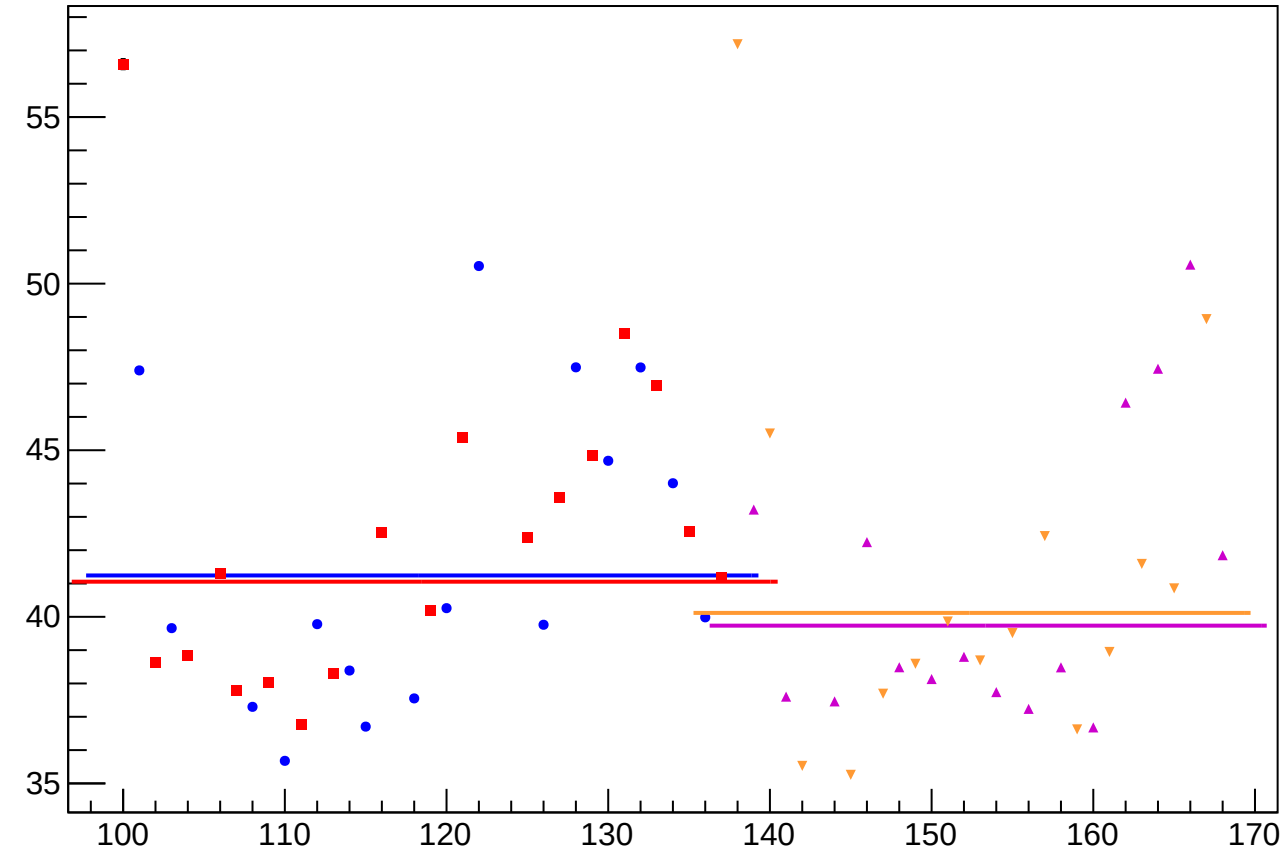
Left: -0.006+/-0.008 χ^2/NDF: 26.2/29

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:26.5/30

Out: 0.005+/-0.010 χ^2/NDF:29.0/32

All: -0.000+/-0.007 χ^2/NDF: 56.1/63



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

Left Out: 40.118+/-0.009 χ^2/NDF:278673.4/14

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

Left In: 39.735+/-0.008 χ^2/NDF:168302.9/14

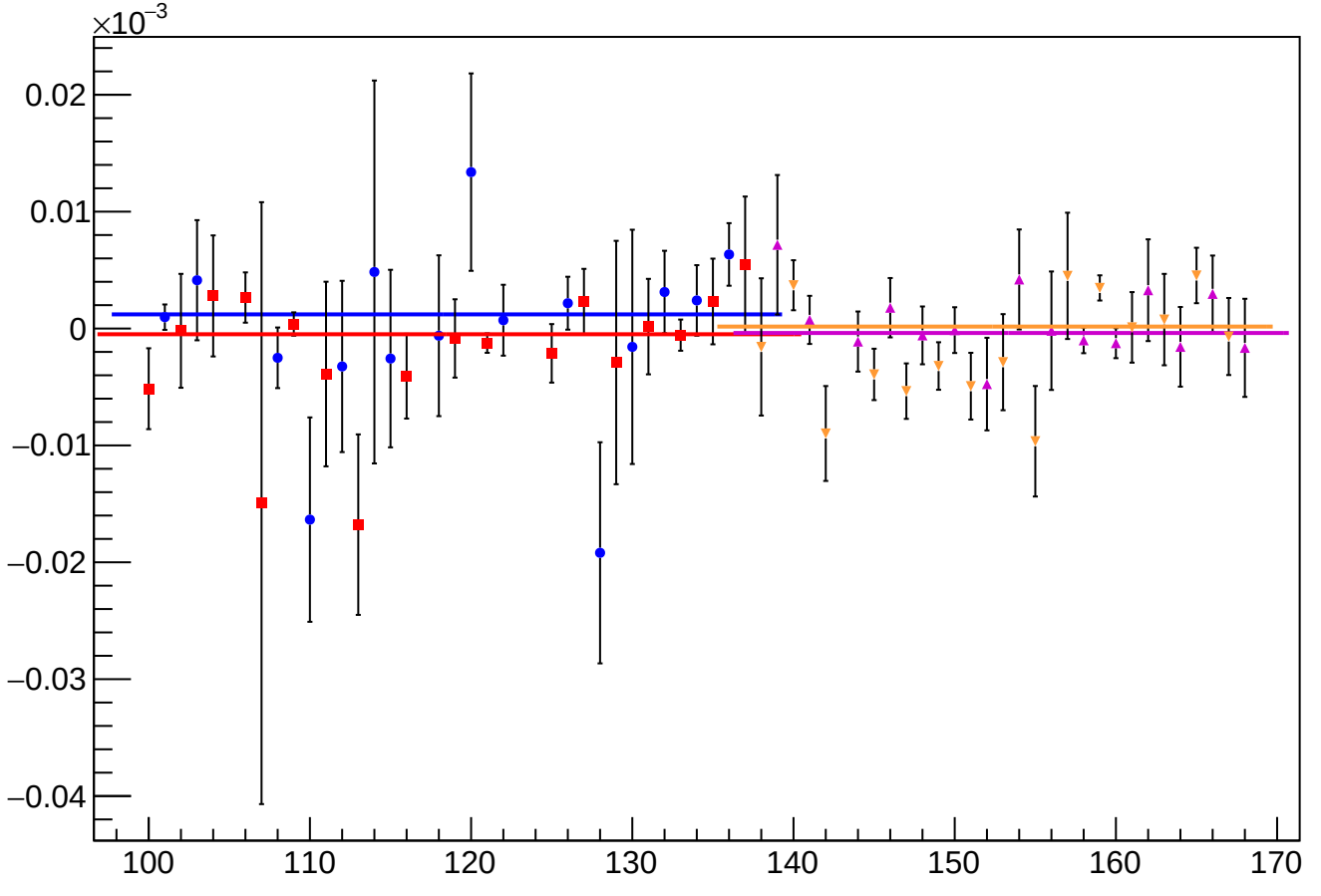
Left: 39.919+/-0.006 χ^2/NDF: 448015.3/29

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

In: 40.268+/-0.007 χ^2/NDF:315435.0/30

Out: 40.472+/-0.007 χ^2/NDF:379774.1/32

All: 40.368+/-0.005 χ^2/NDF: 695678.3/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/14

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

Left In: -0.000+/-0.000 χ^2/NDF:7.8/14

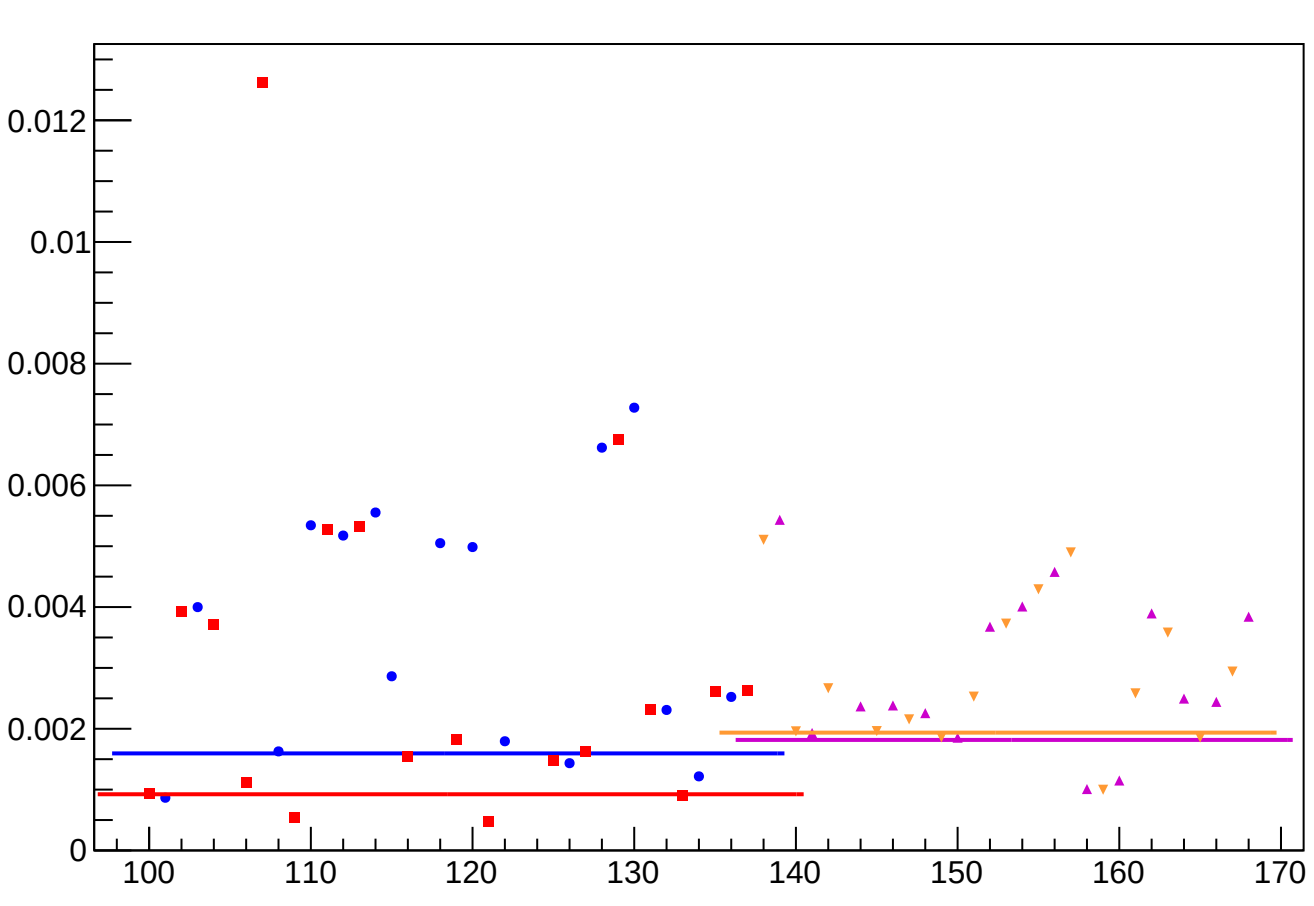
Left: -0.000+/-0.000 χ^2/NDF: 49.4/29

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:28.9/30

Out: -0.000+/-0.000 χ^2/NDF:56.8/32

All: -0.000+/-0.000 χ^2/NDF: 86.3/63



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

Left Out: 0.002+/-0.000 χ^2/NDF:4378169.2/14

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

Left In: 0.002+/-0.000 χ^2/NDF:5244890.9/14

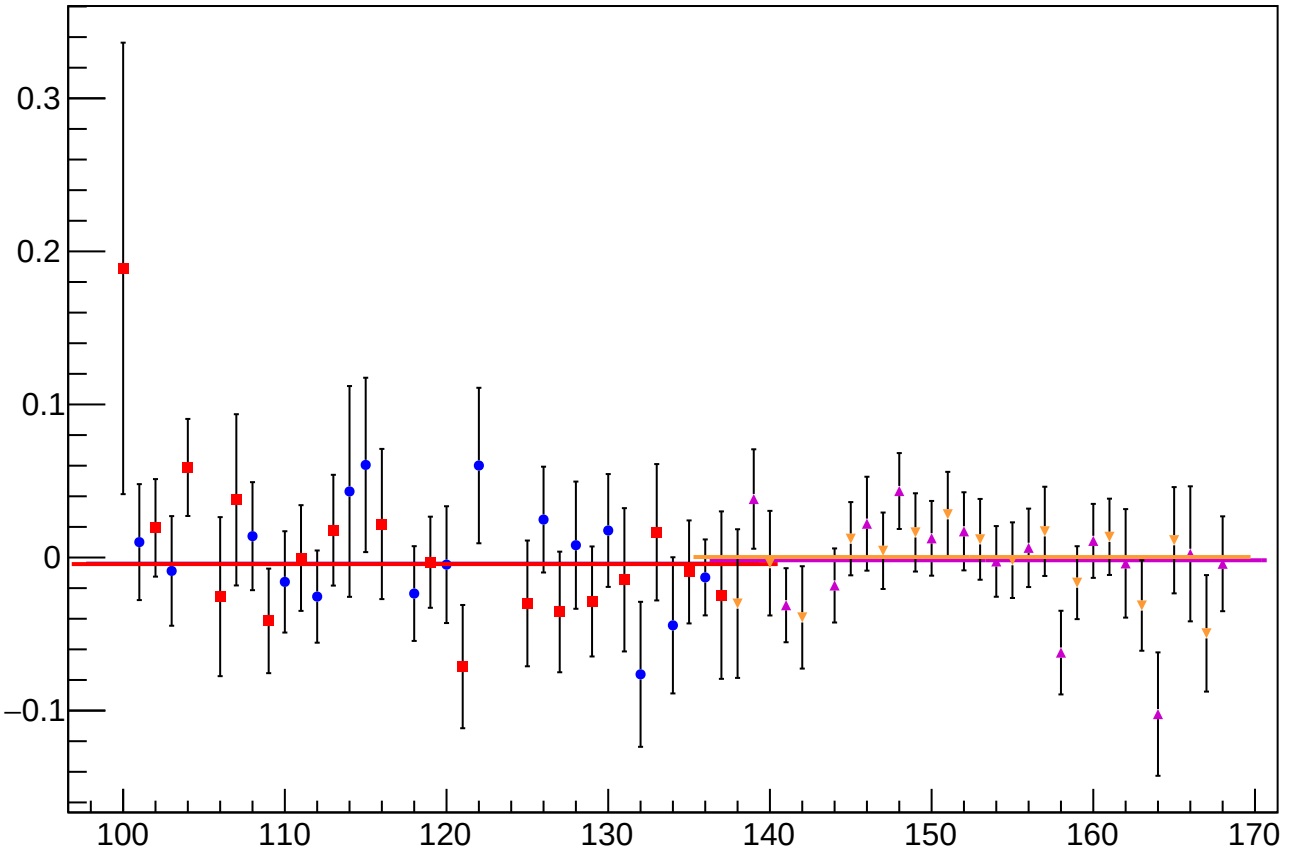
Left: 0.002+/-0.000 χ^2/NDF: 9661491.9/29

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

In: 0.002+/-0.000 χ^2/NDF:10114684.4/30

Out: 0.001+/-0.000 χ^2/NDF:13329079.1/32

All: 0.001+/-0.000 χ^2/NDF: 24409010.0/63



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

Left Out: 0.000+/-0.007 χ^2/NDF:7.8/14

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/14

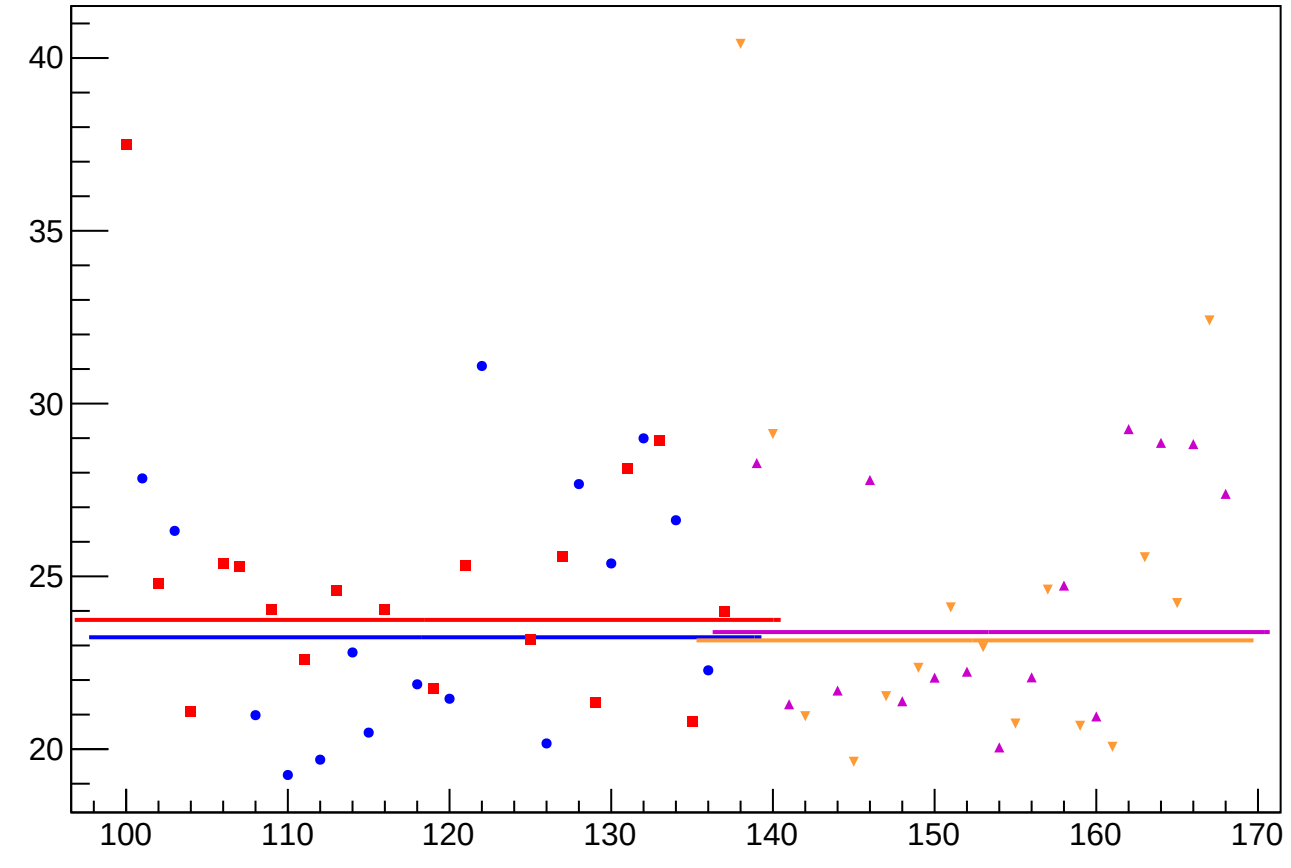
Left: -0.001+/-0.005 χ^2/NDF: 27.6/29

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

In: -0.003+/-0.006 χ^2/NDF:29.0/30

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/63



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

Left Out: 23.148+/-0.005 χ^2/NDF:587983.9/14

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

Left In: 23.388+/-0.005 χ^2/NDF:361926.5/14

Left: 23.271+/-0.004 χ^2/NDF: 951017.0/29

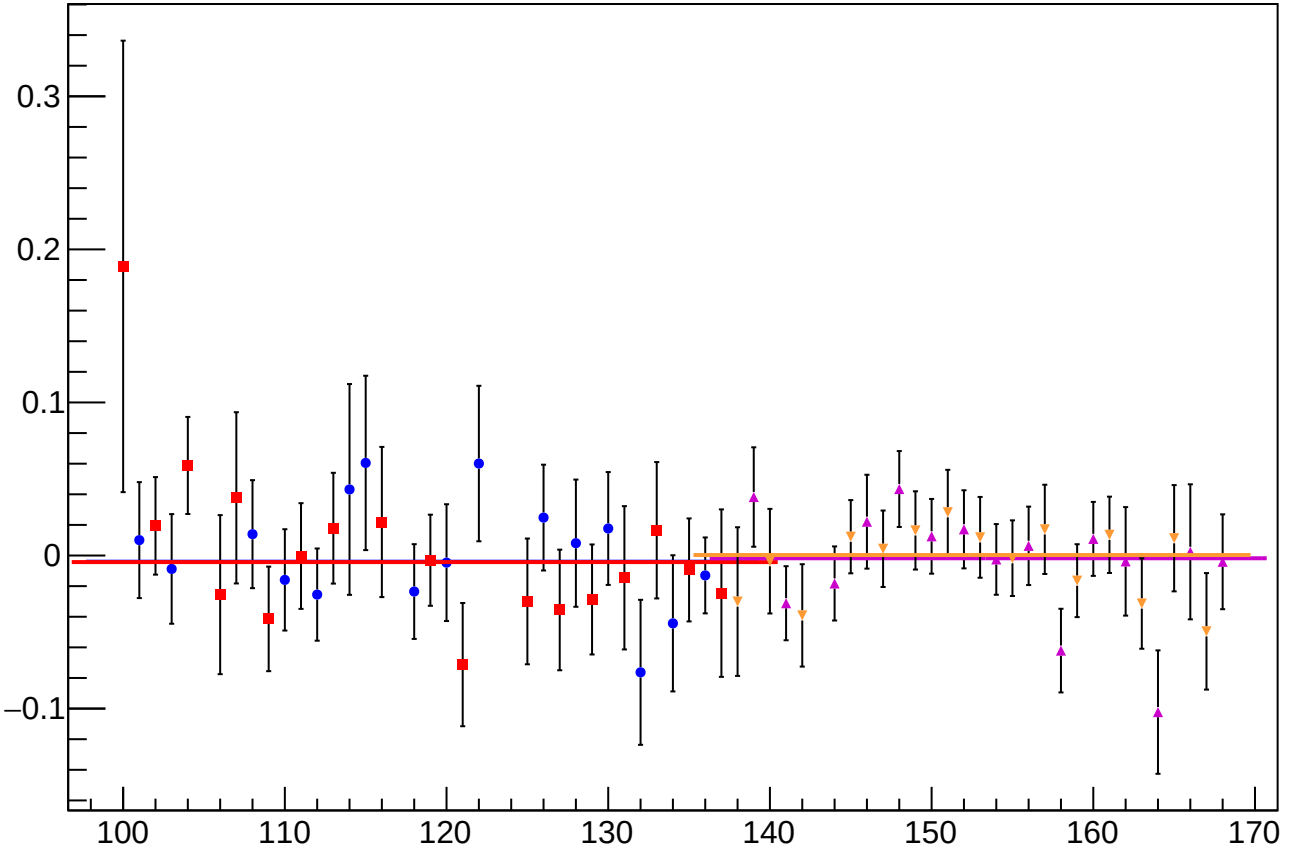
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.332+/-0.004 χ^2/NDF:621483.6/30

Out: 23.374+/-0.004 χ^2/NDF:719122.3/32

All: 23.353+/-0.003 χ^2/NDF: 1340660.6/63

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: 0.000+/-0.007 χ^2/NDF:7.8/14

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/14

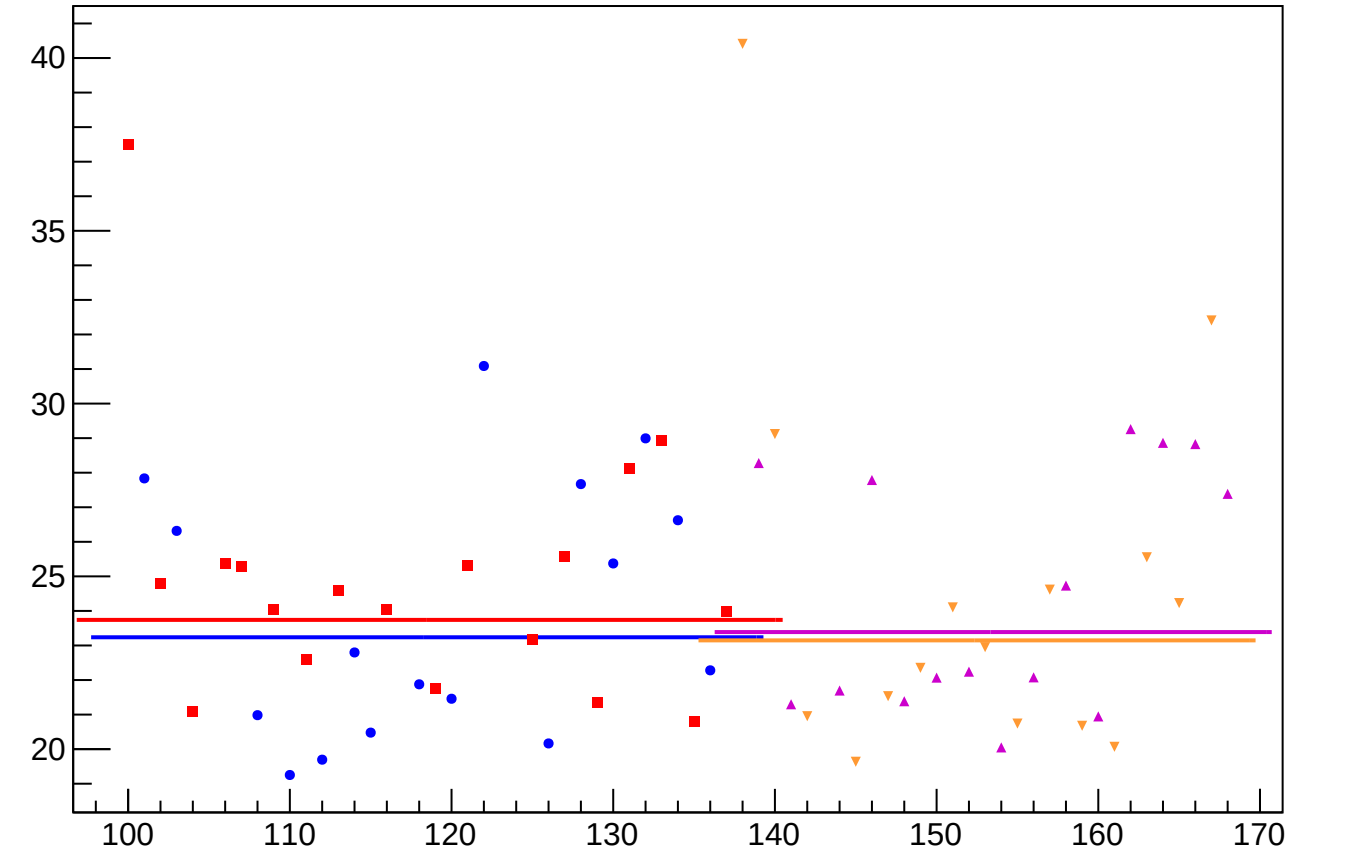
Left: -0.001+/-0.005 χ^2/NDF: 27.6/29

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

In: -0.003+/-0.006 χ^2/NDF:29.0/30

Out: -0.001+/-0.006 χ^2/NDF:21.4/32

All: -0.002+/-0.004 χ^2/NDF: 50.4/63



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

Left Out: 23.148+/-0.005 χ^2/NDF:587983.9/14

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

Left In: 23.388+/-0.005 χ^2/NDF:361926.5/14

Left: 23.271+/-0.004 χ^2/NDF: 951017.0/29

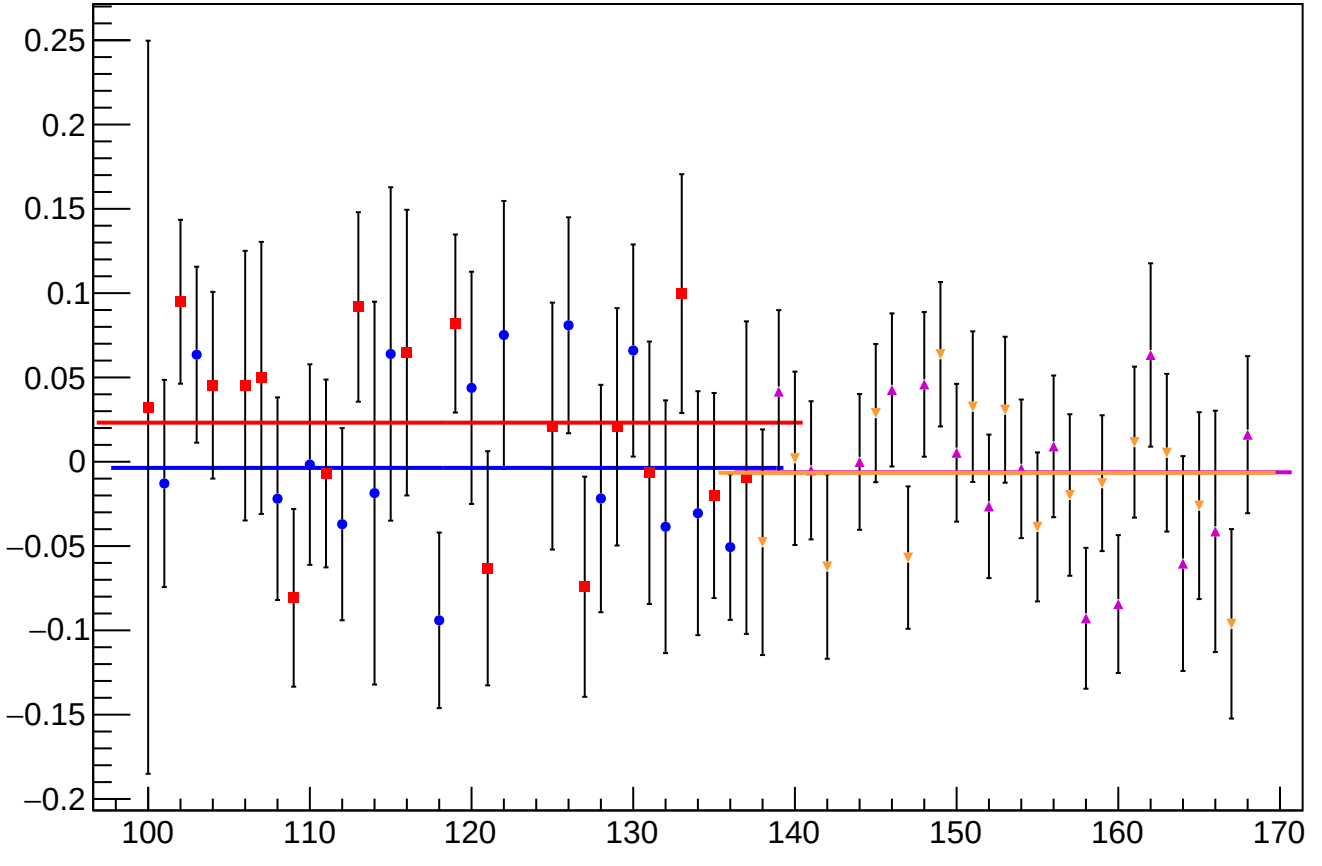
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.332+/-0.004 χ^2/NDF:621483.6/30

Out: 23.374+/-0.004 χ^2/NDF:719122.3/32

All: 23.353+/-0.003 χ^2/NDF: 1340660.6/63

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: -0.007+/-0.012 χ^2/NDF:11.3/14

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

Left In: -0.006+/-0.012 χ^2/NDF:14.9/14

Left: -0.006+/-0.008 χ^2/NDF: 26.2/29

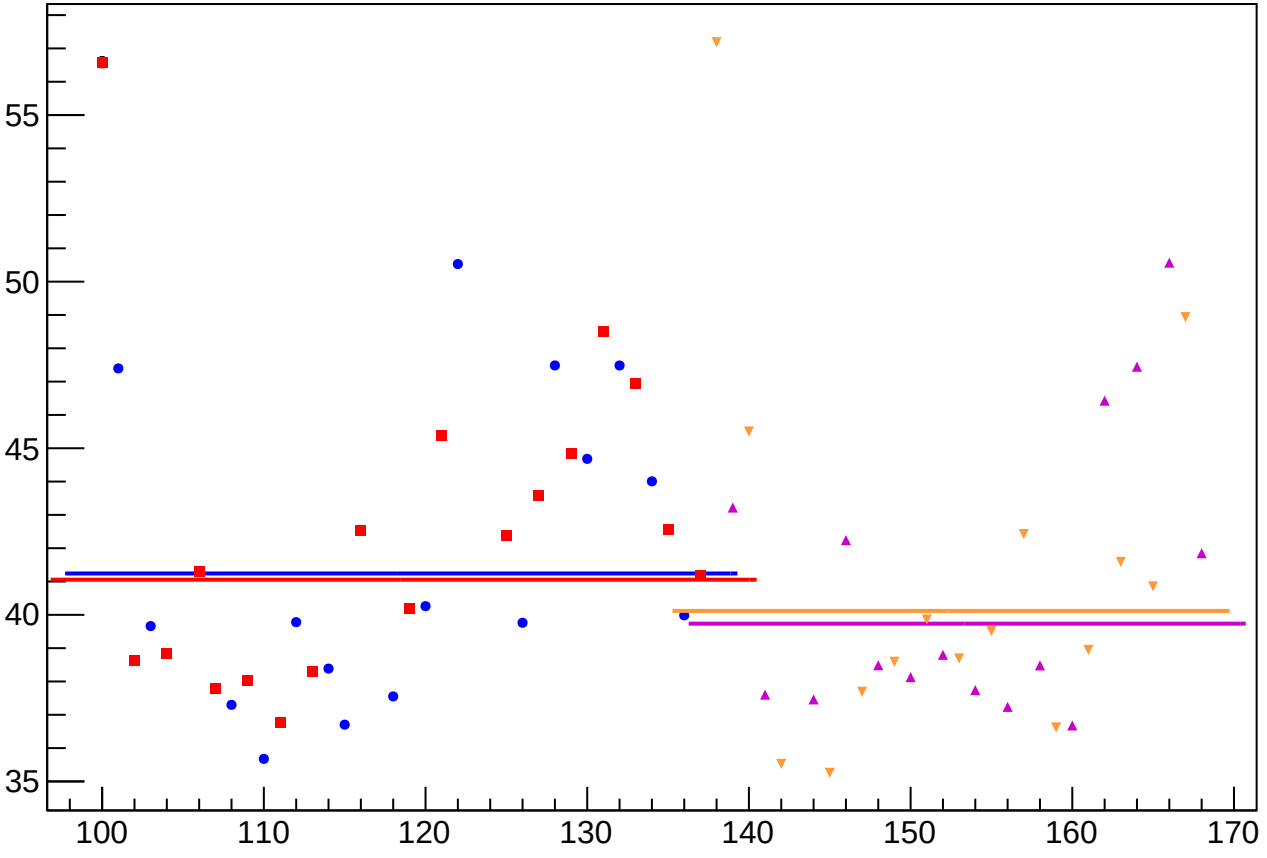
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:26.5/30

Out: 0.005+/-0.010 χ^2/NDF:29.0/32

All: -0.000+/-0.007 χ^2/NDF: 56.1/63

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: 40.118+/-0.009 χ^2/NDF:278677.3/14

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

Left In: 39.735+/-0.008 χ^2/NDF:168310.0/14

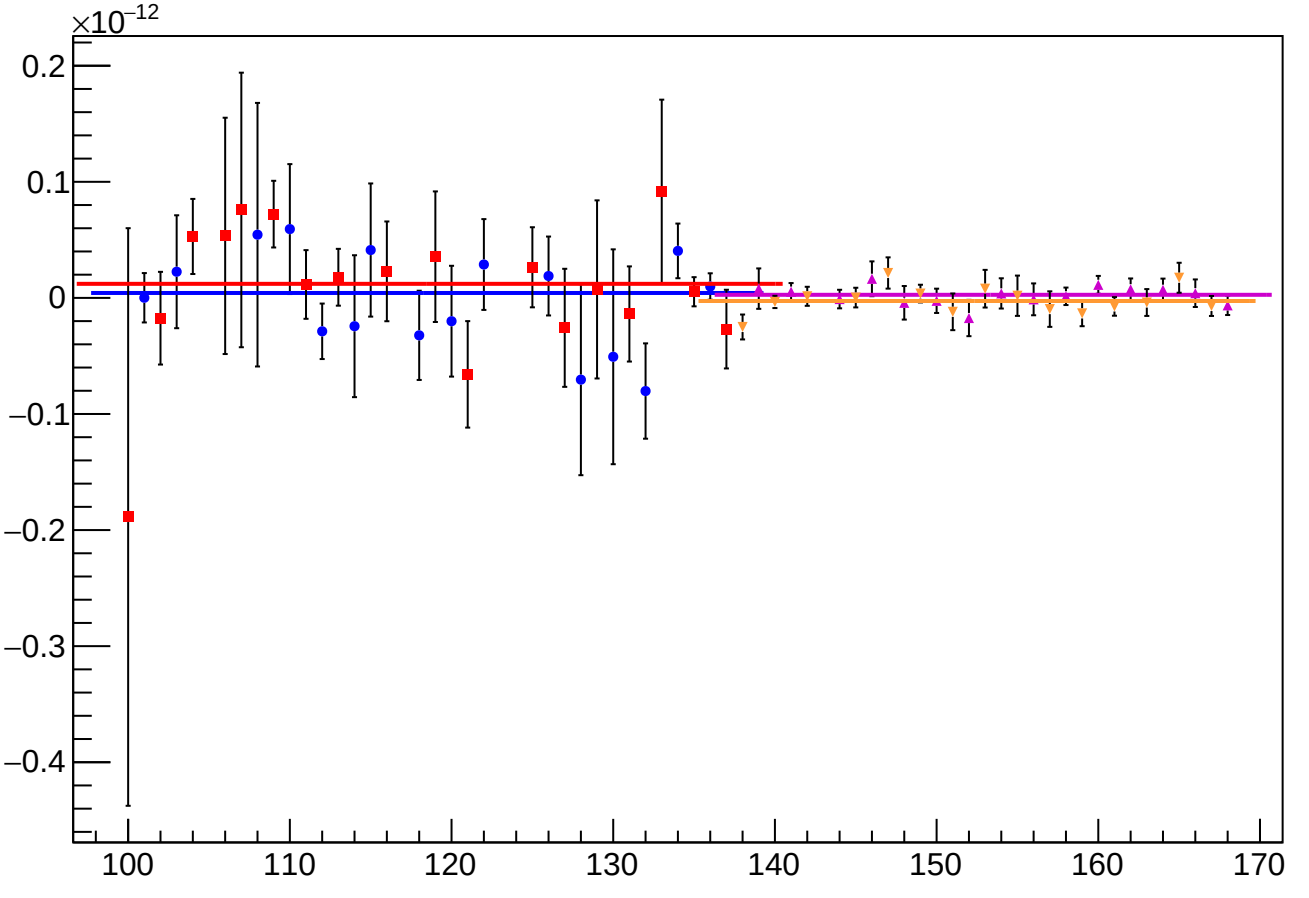
Left: 39.919+/-0.006 χ^2/NDF: 448025.9/29

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

In: 40.268+/-0.007 χ^2/NDF:315414.0/30

Out: 40.472+/-0.007 χ^2/NDF:379765.9/32

All: 40.368+/-0.005 χ^2/NDF: 695649.2/63



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/14

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

Left In: 0.000+/-0.000 χ^2/NDF:6.4/14

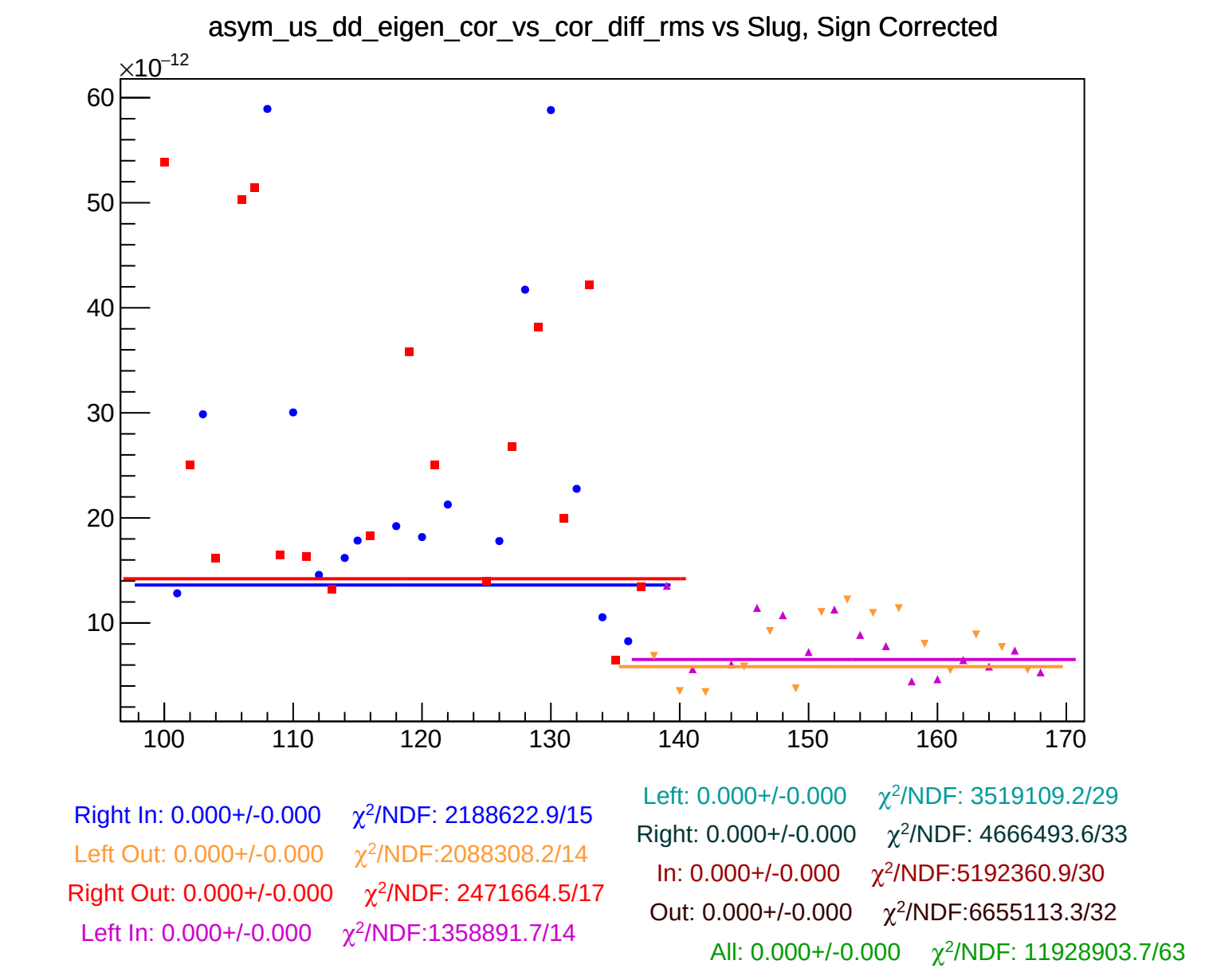
Left: -0.000+/-0.000 χ^2/NDF: 22.3/29

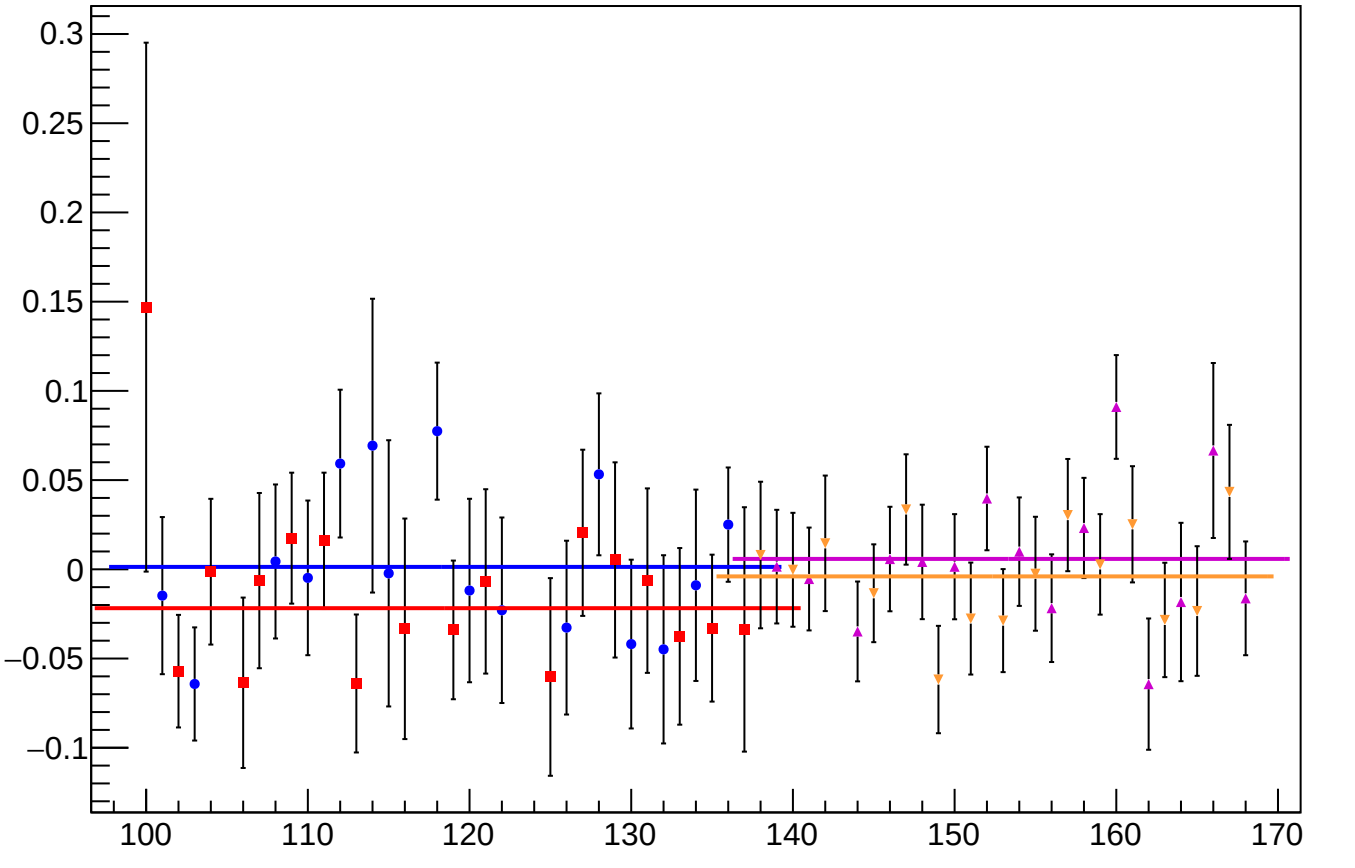
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:20.1/30

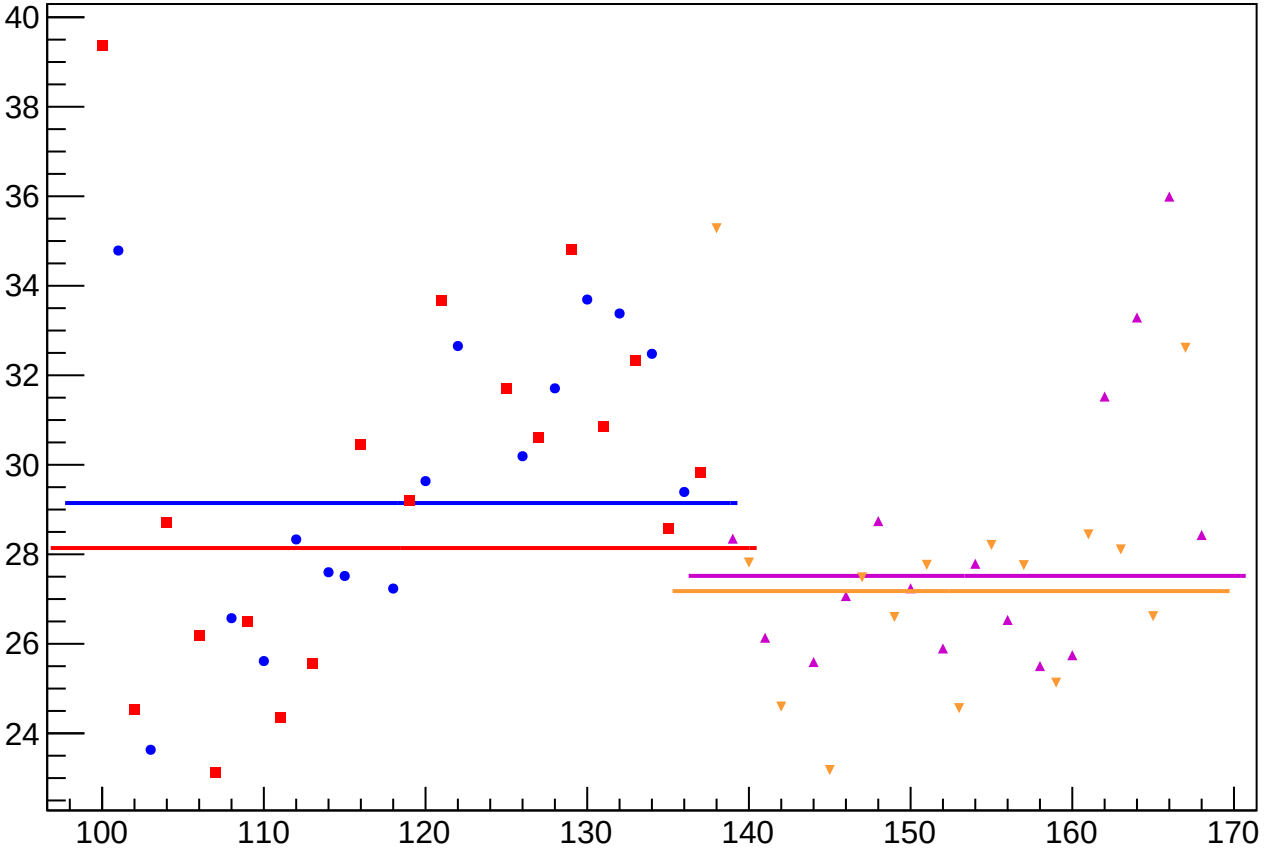
Out: -0.000+/-0.000 χ^2/NDF:31.5/32

All: 0.000+/-0.000 χ^2/NDF: 53.1/63


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2088308.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1358891.7/14
Left: 0.000+/-0.000 χ²/NDF: 3519109.2/29
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5192360.9/30
Out: 0.000+/-0.000 χ²/NDF:6655113.3/32
All: 0.000+/-0.000 χ²/NDF: 11928903.7/63


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.004+/-0.008 χ²/NDF:11.4/14
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.006+/-0.008 χ²/NDF:19.4/14
Left: 0.001+/-0.006 χ²/NDF: 31.6/29
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.007 χ²/NDF:34.8/30
Out: -0.011+/-0.007 χ²/NDF:22.2/32
All: -0.003+/-0.005 χ²/NDF: 59.6/63

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: 27.178+/-0.006 χ^2/NDF:208900.7/14

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

Left In: 27.518+/-0.006 χ^2/NDF:164225.8/14

Left: 27.352+/-0.004 χ^2/NDF: 374847.0/29

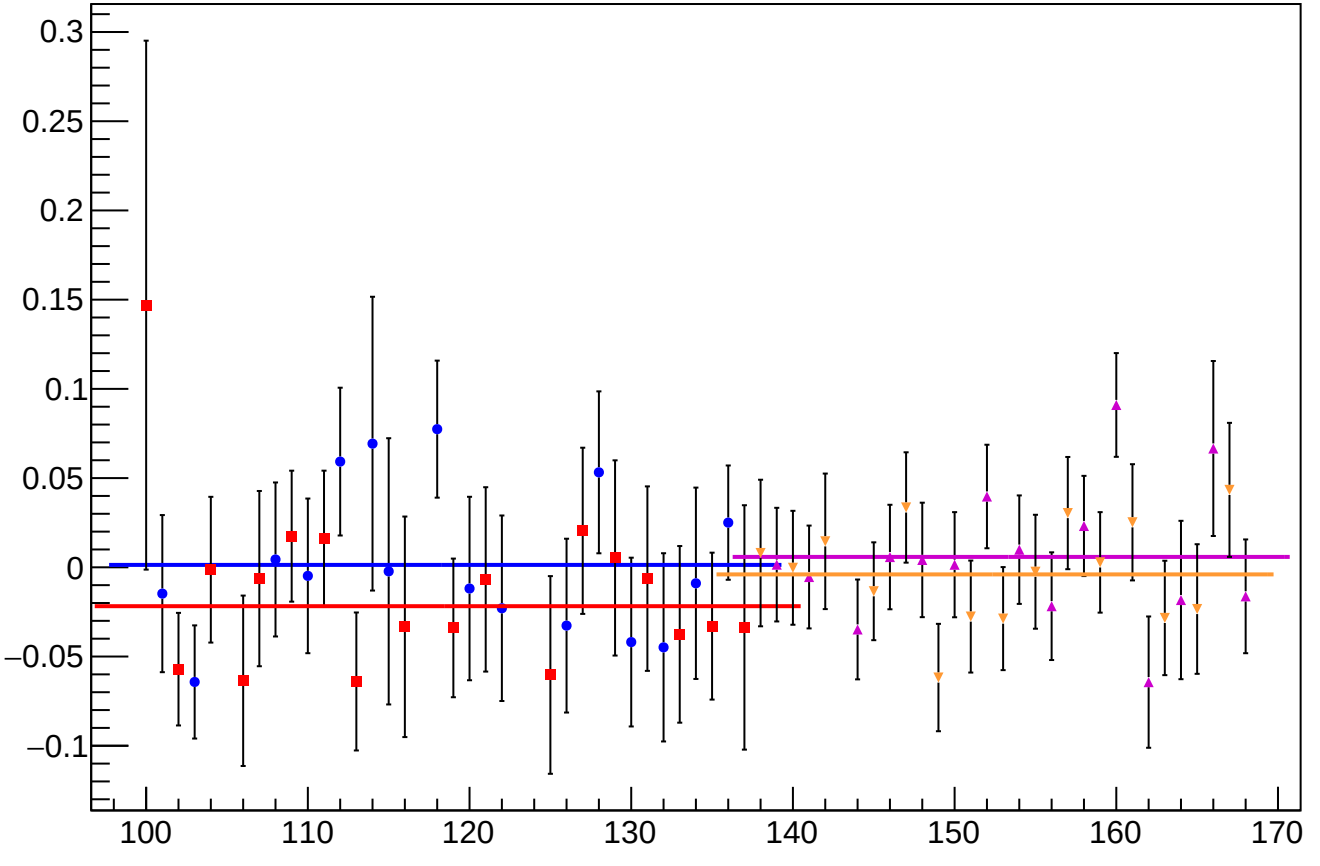
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.076+/-0.005 χ^2/NDF:368799.4/30

Out: 27.535+/-0.005 χ^2/NDF:406024.0/32

All: 27.806+/-0.003 χ^2/NDF: 781625.6/63

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.008 χ^2/NDF:11.4/14

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

Left In: 0.006+/-0.008 χ^2/NDF:19.4/14

Left: 0.001+/-0.006 χ^2/NDF: 31.6/29

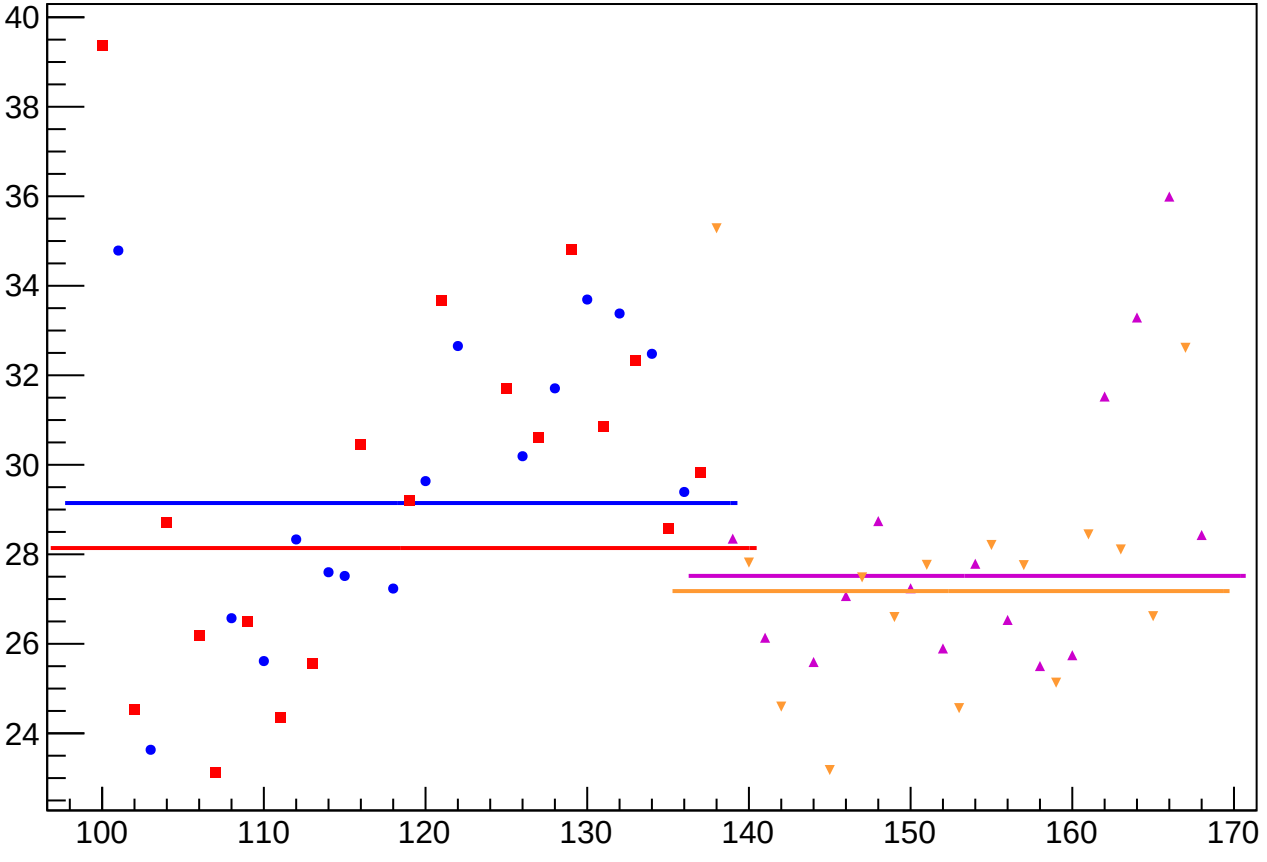
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.007 χ^2/NDF:34.8/30

Out: -0.011+/-0.007 χ^2/NDF:22.2/32

All: -0.003+/-0.005 χ^2/NDF: 59.6/63

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: 27.178+/-0.006 χ^2/NDF:208900.7/14

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

Left In: 27.518+/-0.006 χ^2/NDF:164225.8/14

Left: 27.352+/-0.004 χ^2/NDF: 374847.0/29

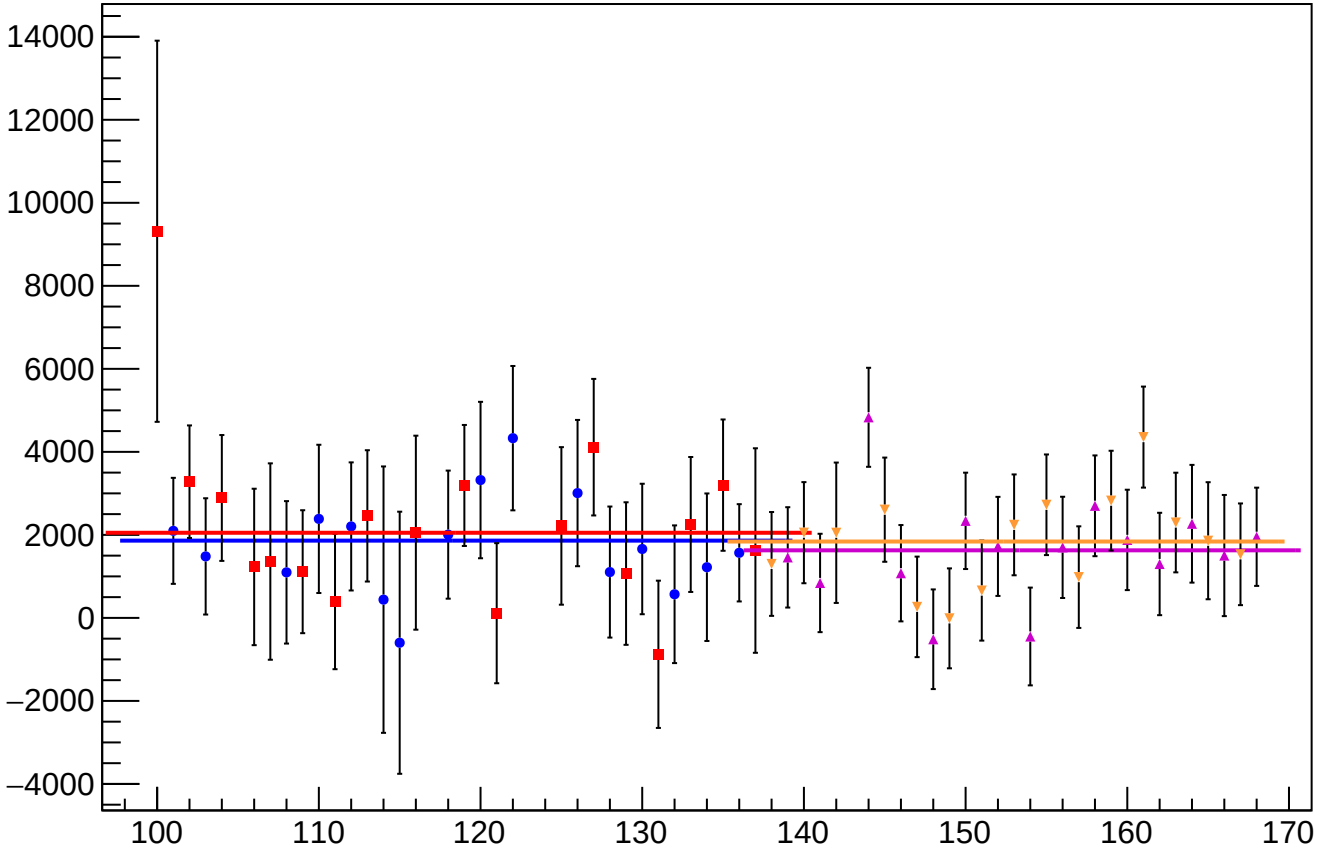
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.076+/-0.005 χ^2/NDF:368799.4/30

Out: 27.535+/-0.005 χ^2/NDF:406024.0/32

All: 27.806+/-0.003 χ^2/NDF: 781625.6/63

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

Left In: 1627.987+/-315.059 χ^2/NDF:15.8/14

Left: 1731.497+/-225.366 χ^2/NDF: 27.9/29

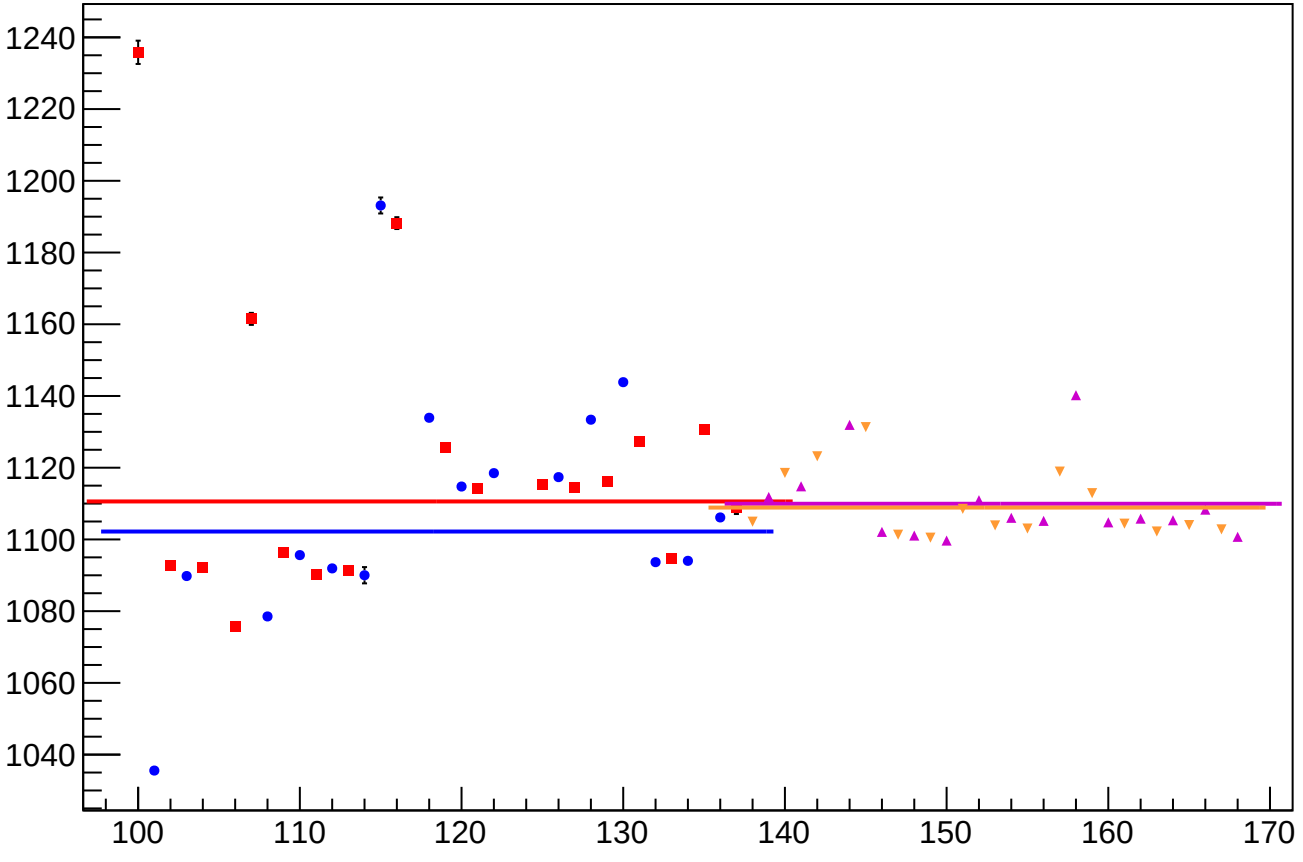
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1714.818+/-249.711 χ^2/NDF:21.3/30

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1816.311+/-177.829 χ^2/NDF: 46.2/63

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

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

Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

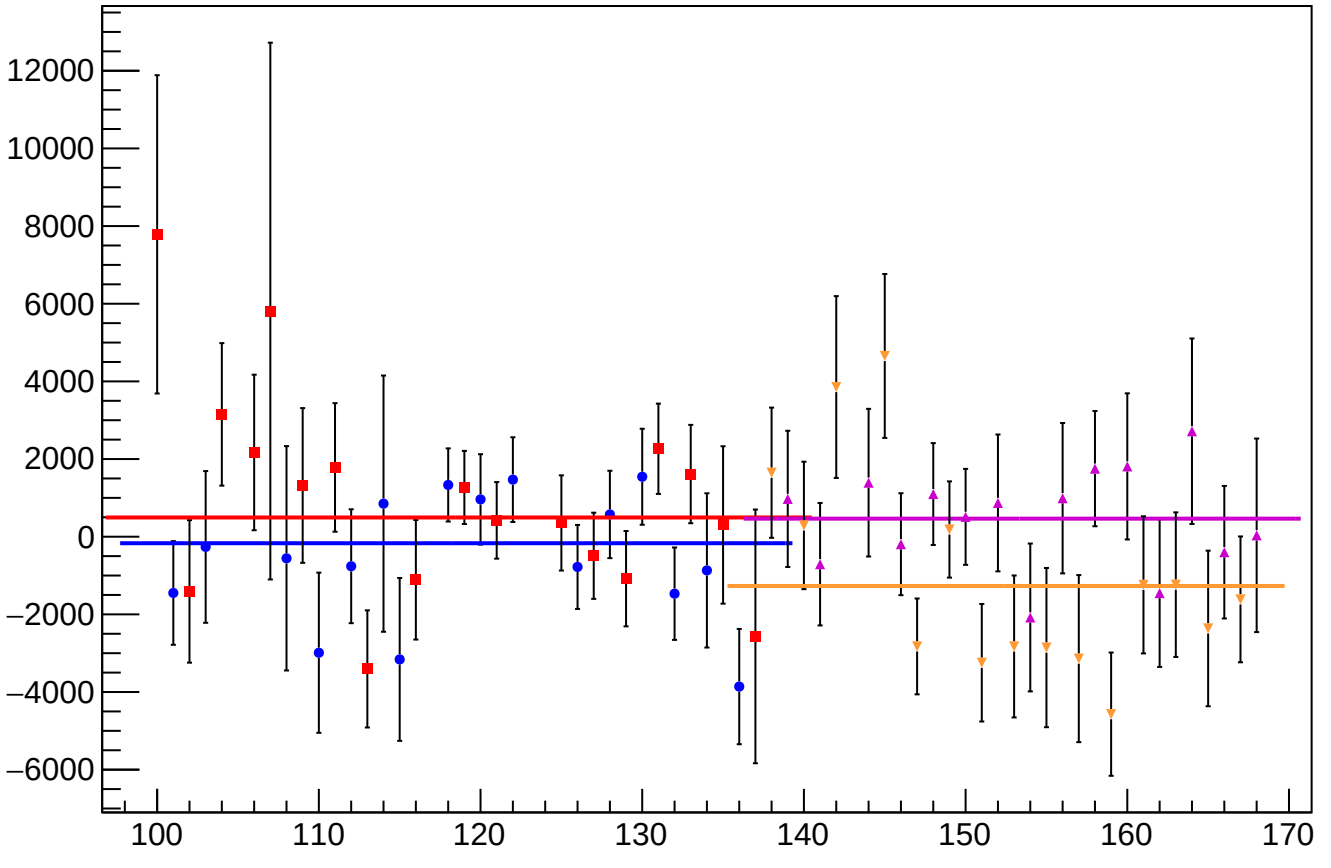
Left: 1109.426+/-0.159 χ^2/NDF: 4090.3/29

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

In: 1107.067+/-0.177 χ^2/NDF:14375.4/30

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63



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

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

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

Left In: 464.865+/-431.230 χ^2/NDF:6.7/14

Left: -392.996+/-306.500 χ^2/NDF: 42.8/29

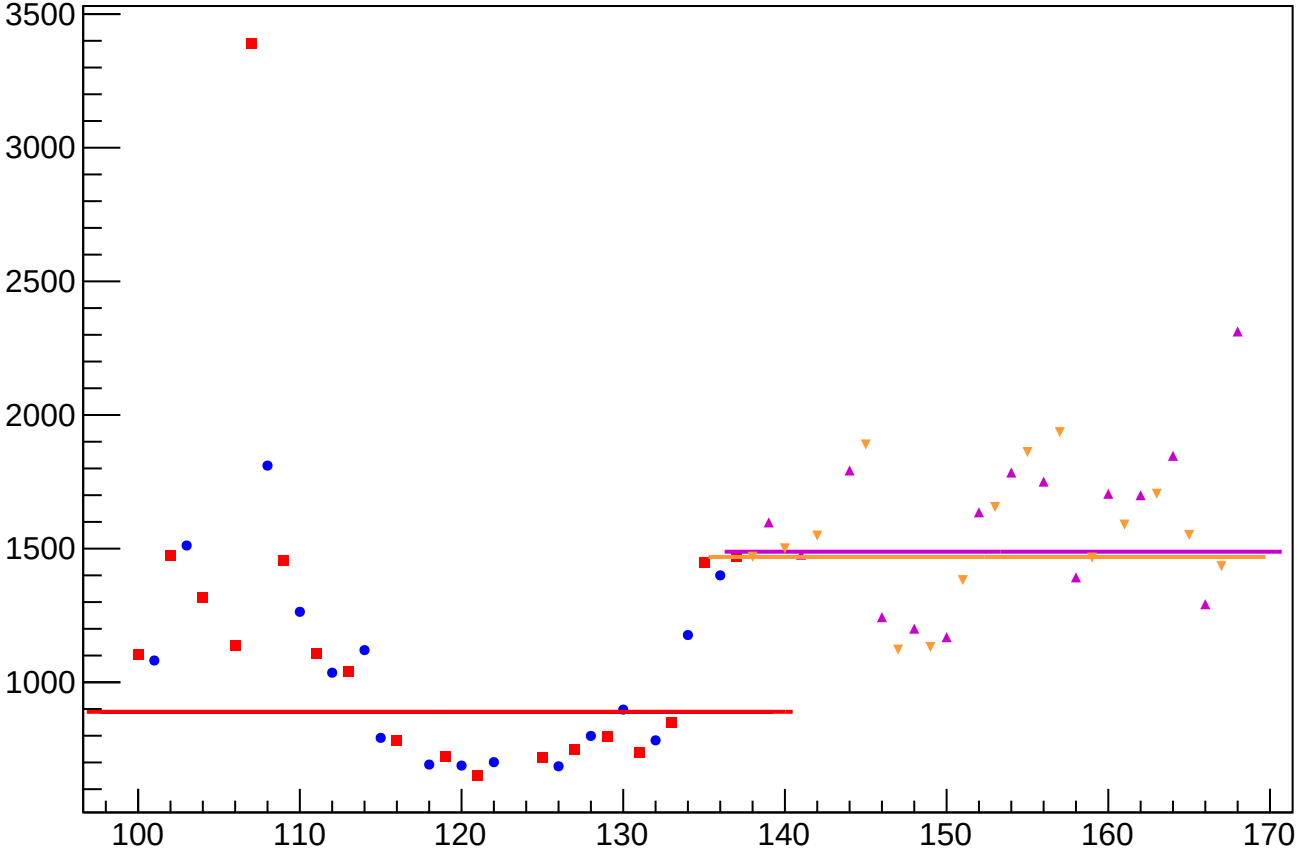
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 79.437+/-269.605 χ^2/NDF:29.1/30

Out: -184.707+/-270.505 χ^2/NDF:61.4/32

All: -52.195+/-190.957 χ^2/NDF: 90.9/63

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

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

Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

Left: 1478.761+/-0.217 χ^2/NDF: 1438673.6/29

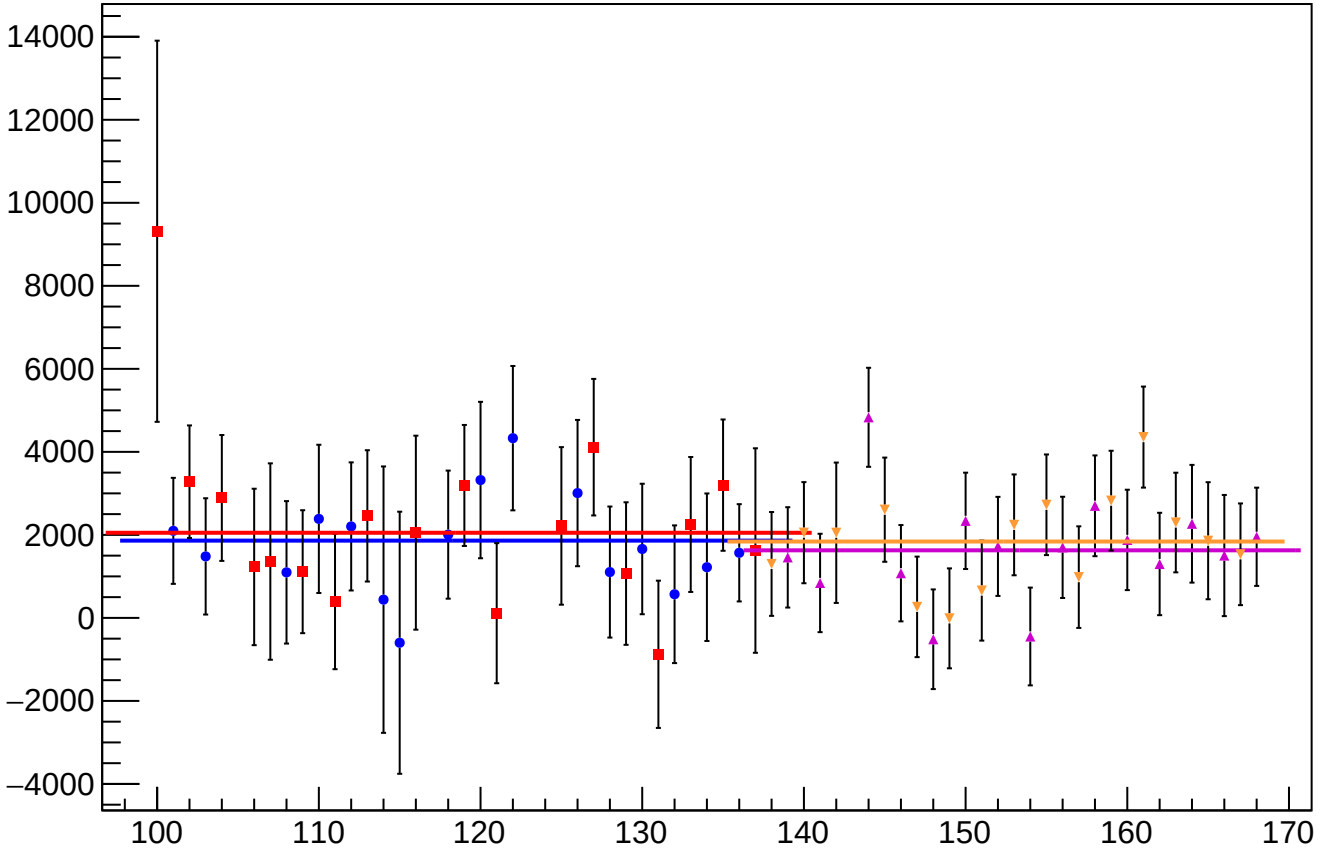
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1123.287+/-0.191 χ^2/NDF:4295008.0/30

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

Left In: 1627.987+/-315.059 χ^2/NDF:15.8/14

Left: 1731.497+/-225.366 χ^2/NDF: 27.9/29

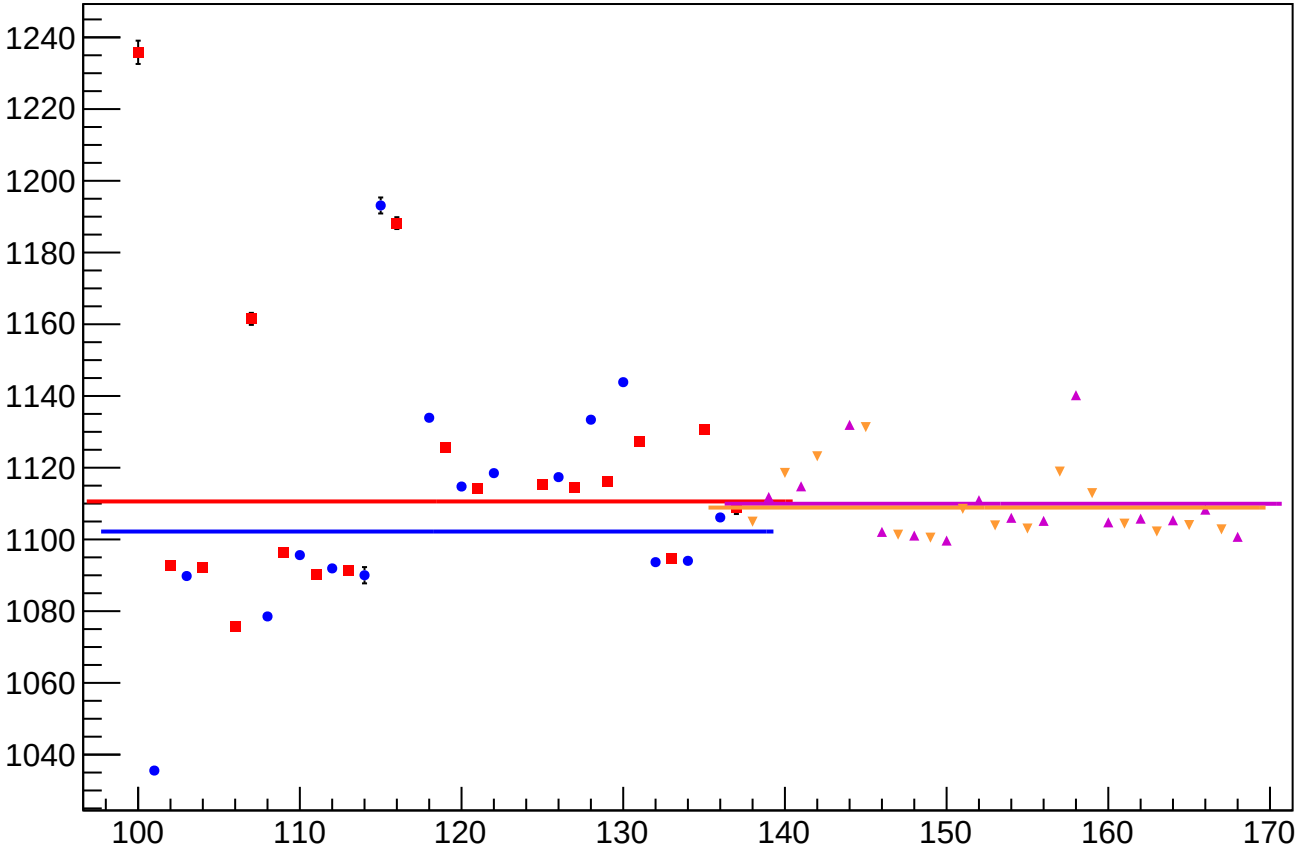
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1714.818+/-249.711 χ^2/NDF:21.3/30

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1816.311+/-177.829 χ^2/NDF: 46.2/63

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

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

Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

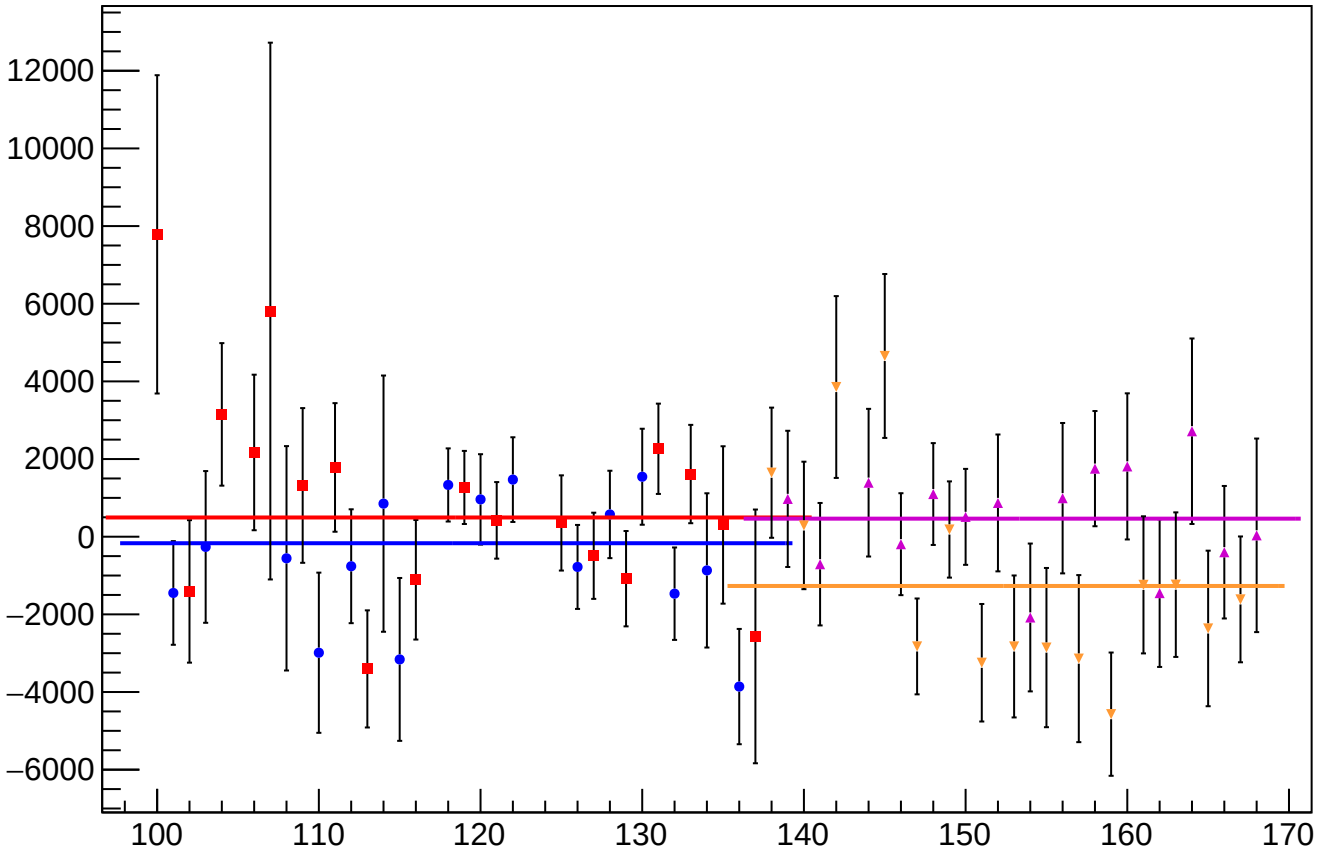
Left: 1109.426+/-0.159 χ^2/NDF: 4090.3/29

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

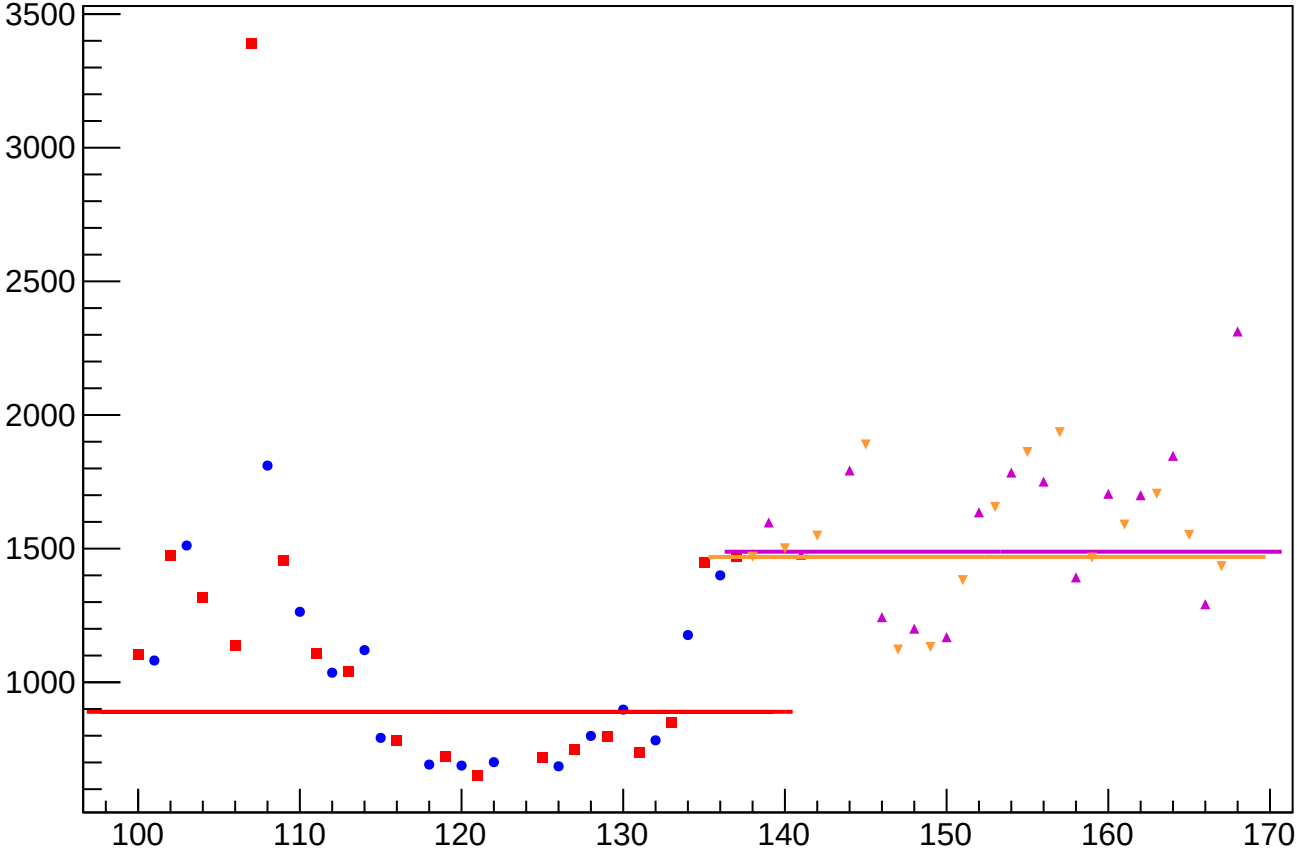
In: 1107.067+/-0.177 χ^2/NDF:14375.4/30

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63


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
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1268.805+/-435.718 χ²/NDF:28.0/14
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 464.865+/-431.230 χ²/NDF:6.7/14
Left: -392.996+/-306.500 χ²/NDF: 42.8/29
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 79.437+/-269.605 χ²/NDF:29.1/30
Out: -184.707+/-270.505 χ²/NDF:61.4/32
All: -52.195+/-190.957 χ²/NDF: 90.9/63

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

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

Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

Left: 1478.761+/-0.217 χ^2/NDF: 1438673.6/29

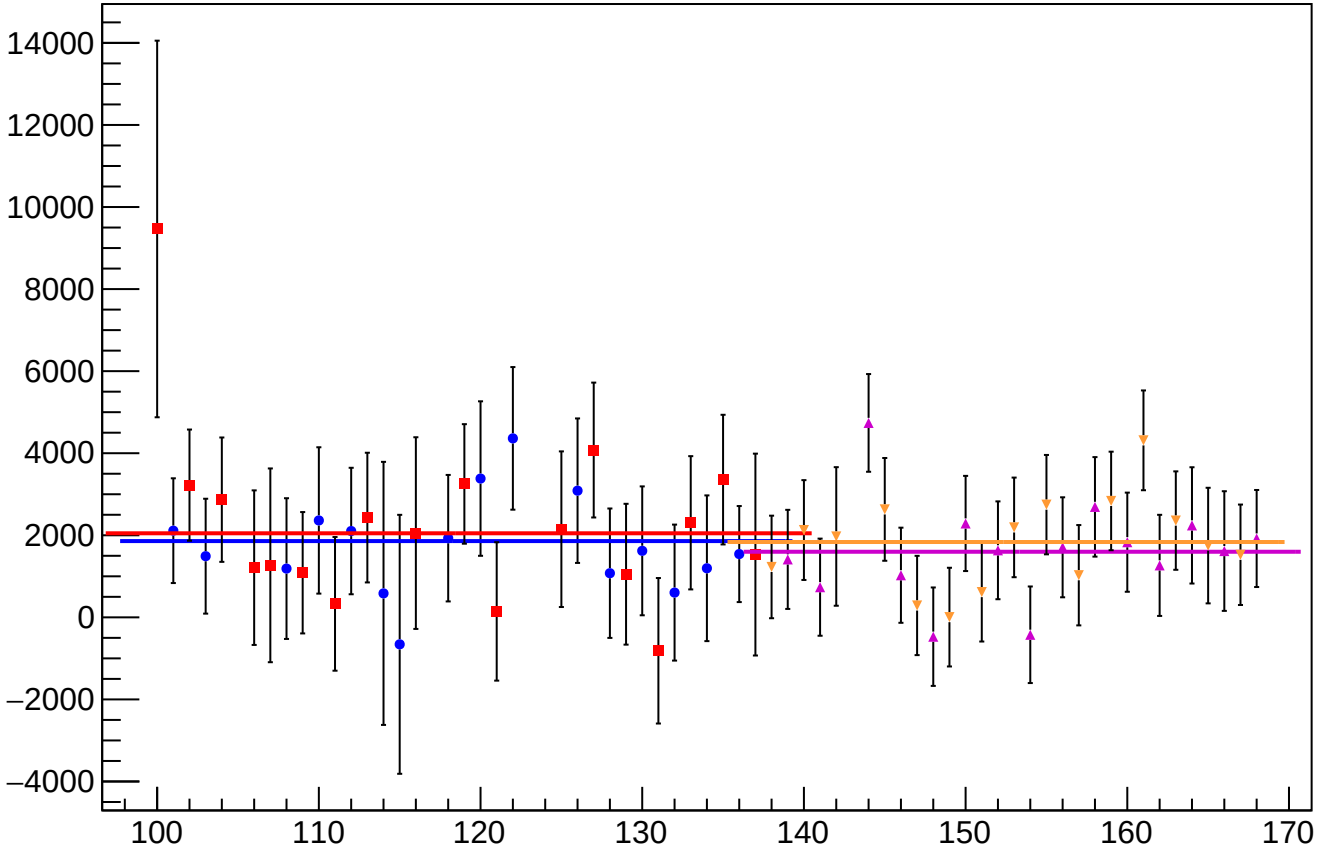
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1123.287+/-0.191 χ^2/NDF:4295008.0/30

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1836.276+/-322.170 χ^2/NDF:11.9/14

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

Left In: 1598.589+/-314.742 χ^2/NDF:15.3/14

Left: 1714.661+/-225.136 χ^2/NDF: 27.4/29

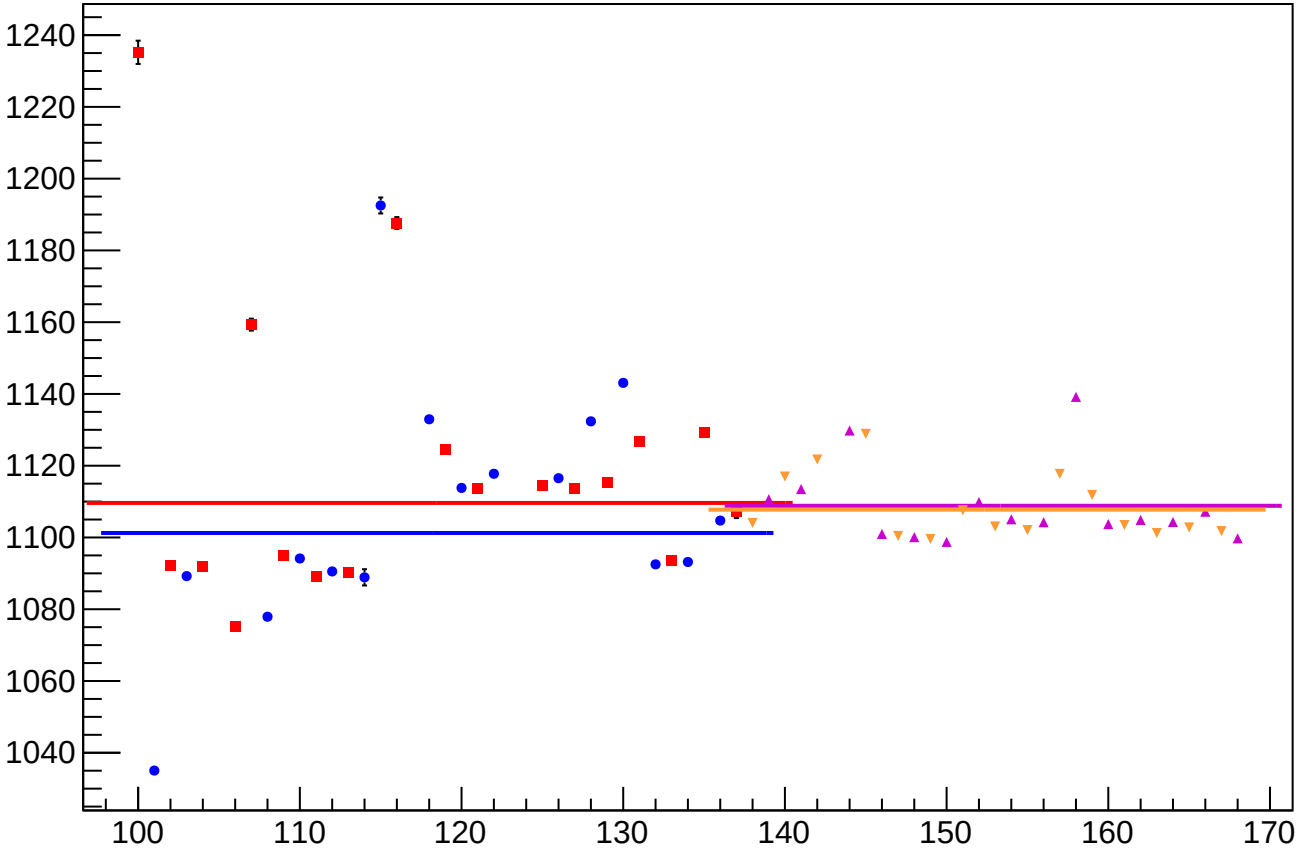
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1695.276+/-249.473 χ^2/NDF:20.9/30

Out: 1917.629+/-253.058 χ^2/NDF:24.8/32

All: 1804.866+/-177.658 χ^2/NDF: 46.1/63

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.746+/-0.228 χ^2/NDF:1390.7/14

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

Left In: 1108.827+/-0.223 χ^2/NDF:2504.6/14

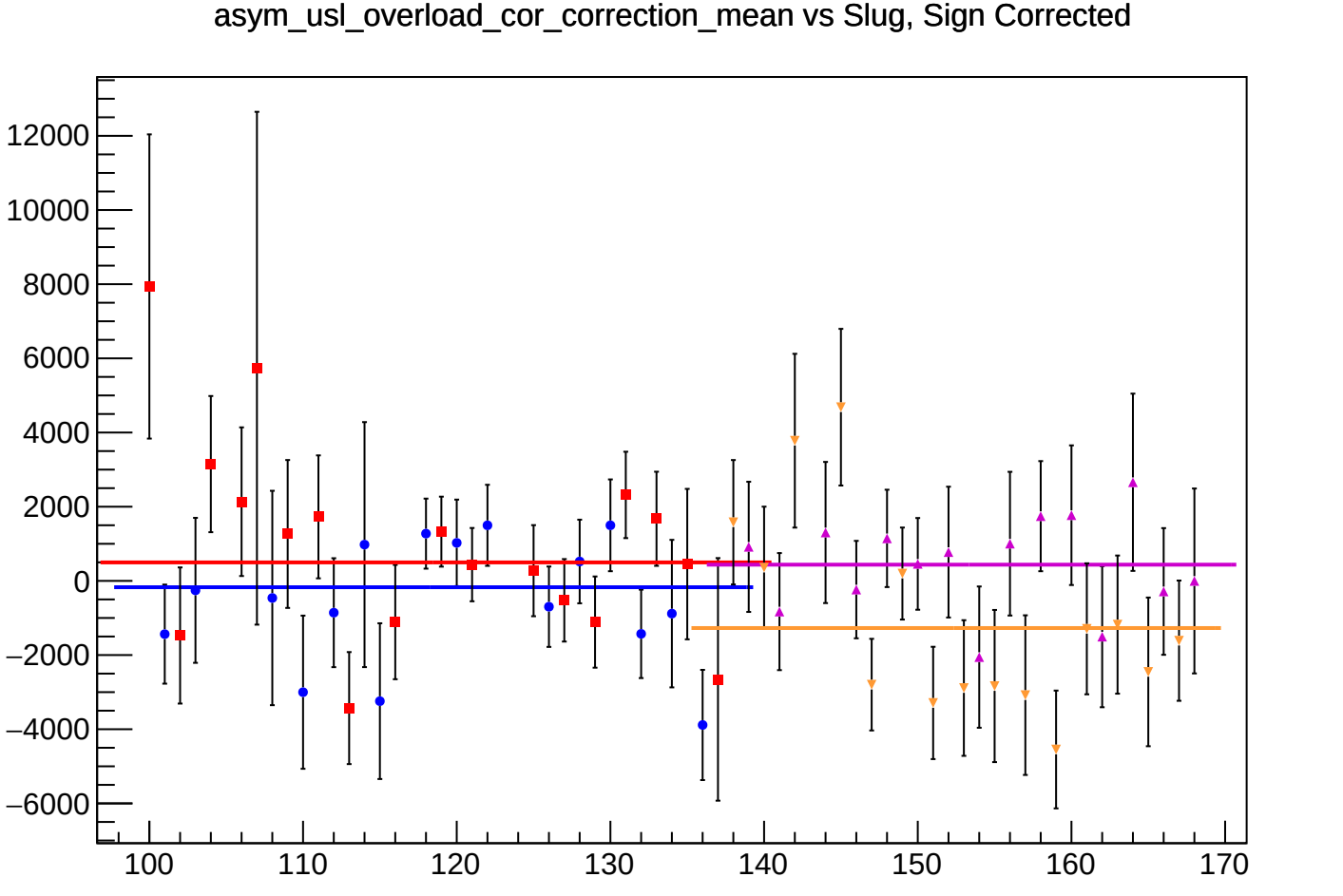
Left: 1108.299+/-0.159 χ^2/NDF: 3906.9/29

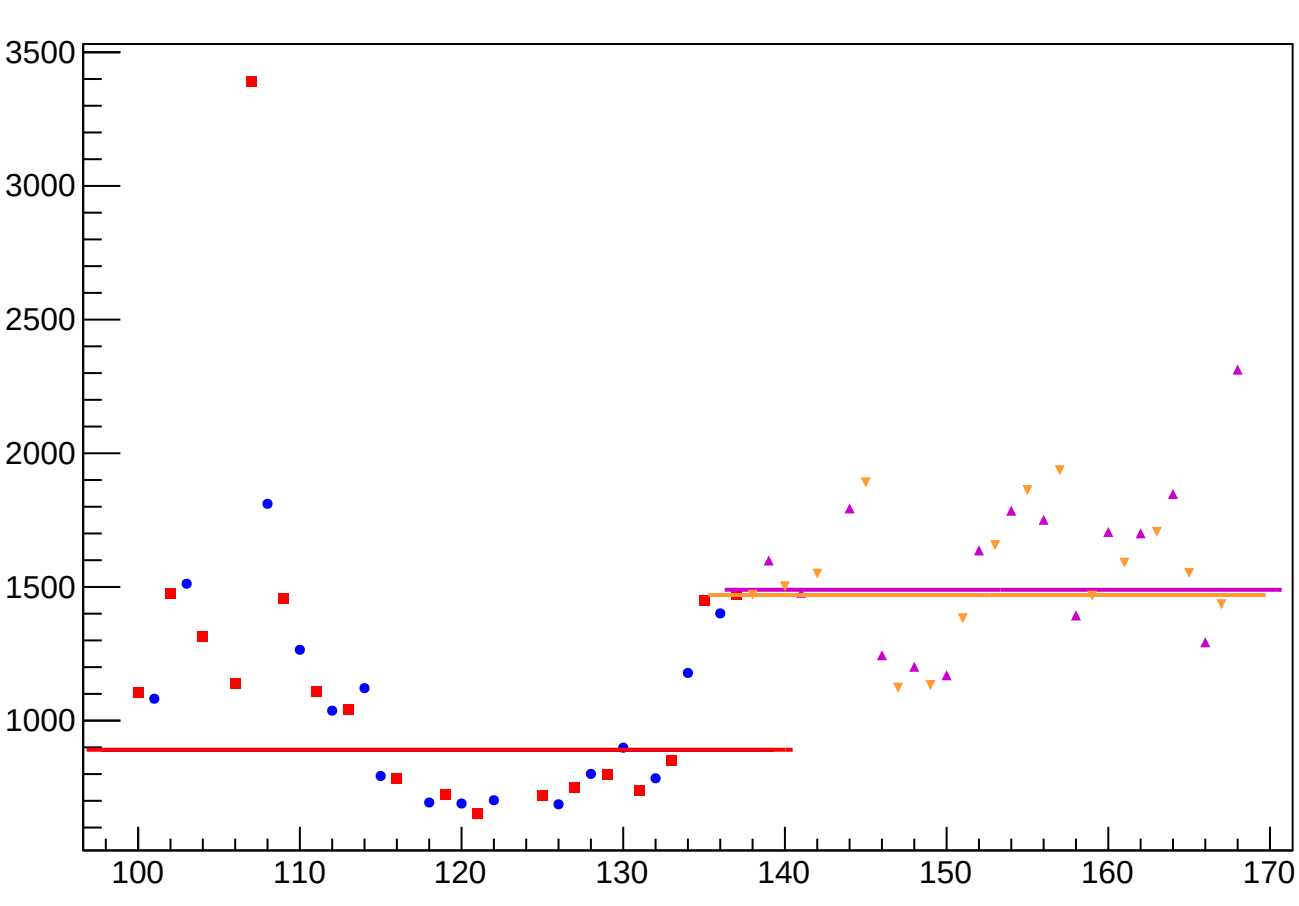
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1106.012+/-0.176 χ^2/NDF:14243.3/30

Out: 1108.467+/-0.179 χ^2/NDF:9090.0/32

All: 1107.222+/-0.126 χ^2/NDF: 23428.7/63


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1271.589+/-435.978 χ²/NDF:27.9/14
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 437.192+/-431.486 χ²/NDF:6.7/14
Left: -408.350+/-306.682 χ²/NDF: 42.4/29
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: 67.049+/-269.924 χ²/NDF:28.8/30
Out: -184.810+/-270.813 χ²/NDF:61.9/32
All: -58.466+/-191.179 χ²/NDF: 91.2/63



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

Left Out: 1469.776+/-0.308 χ^2/NDF:627956.8/14

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

Left In: 1489.393+/-0.305 χ^2/NDF:806377.6/14

Left: 1479.686+/-0.217 χ^2/NDF: 1436380.0/29

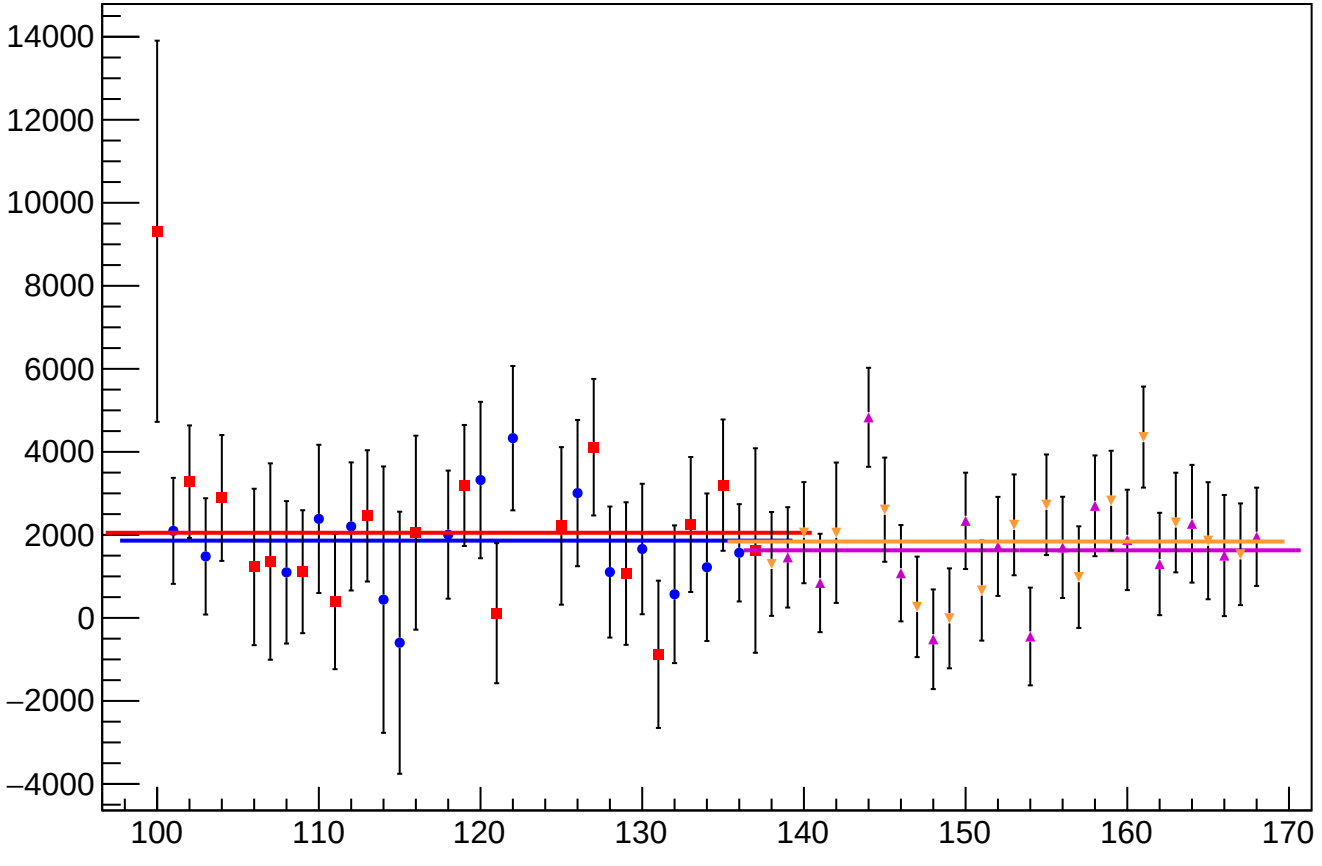
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1124.864+/-0.191 χ^2/NDF:4280329.3/30

Out: 1114.279+/-0.191 χ^2/NDF:4134940.2/32

All: 1119.589+/-0.135 χ^2/NDF: 8416802.4/63

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1839.955+/-322.503 χ^2/NDF:11.9/14

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

Left In: 1627.987+/-315.059 χ^2/NDF:15.8/14

Left: 1731.497+/-225.366 χ^2/NDF: 27.9/29

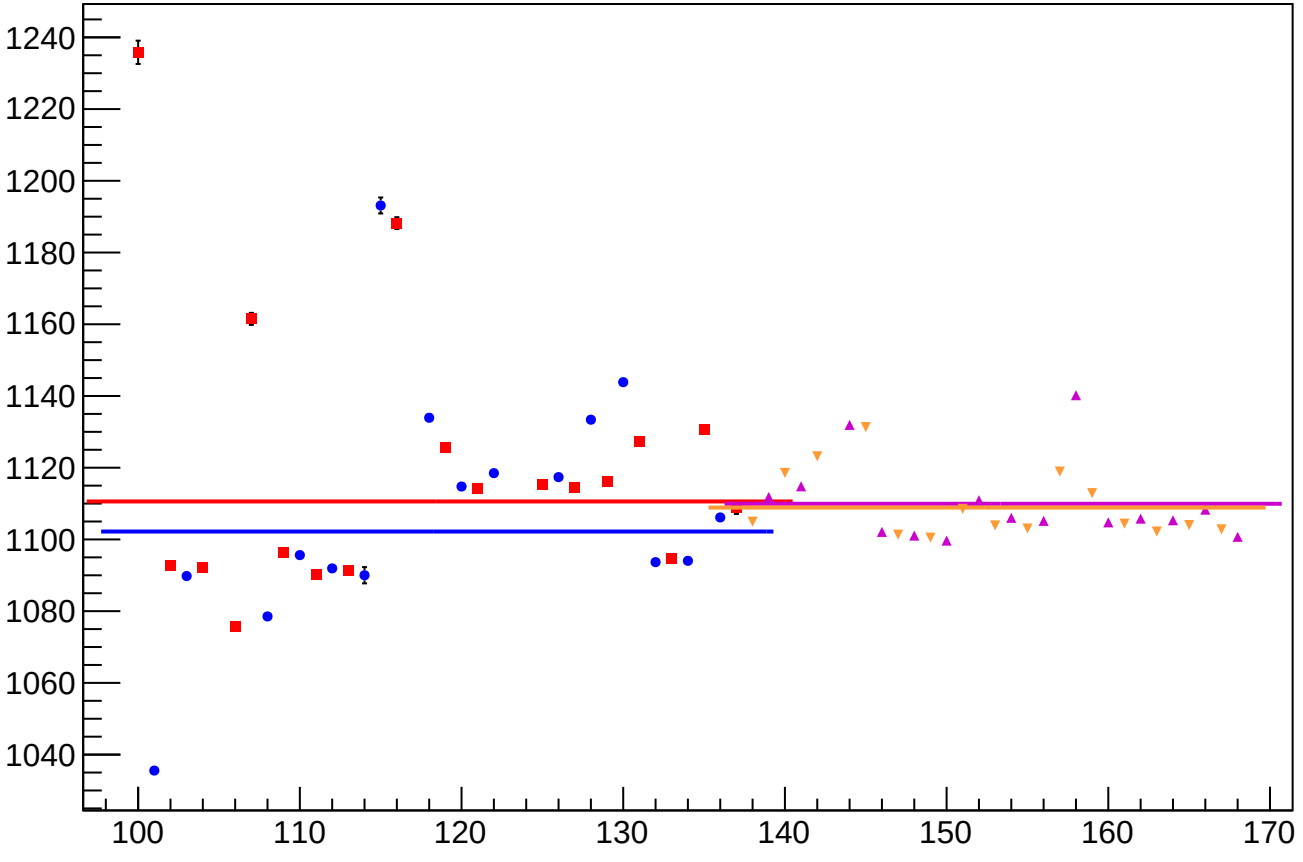
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1714.818+/-249.711 χ^2/NDF:21.3/30

Out: 1920.745+/-253.304 χ^2/NDF:24.6/32

All: 1816.311+/-177.829 χ^2/NDF: 46.2/63

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.884+/-0.228 χ^2/NDF:1501.5/14

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

Left In: 1109.944+/-0.223 χ^2/NDF:2577.8/14

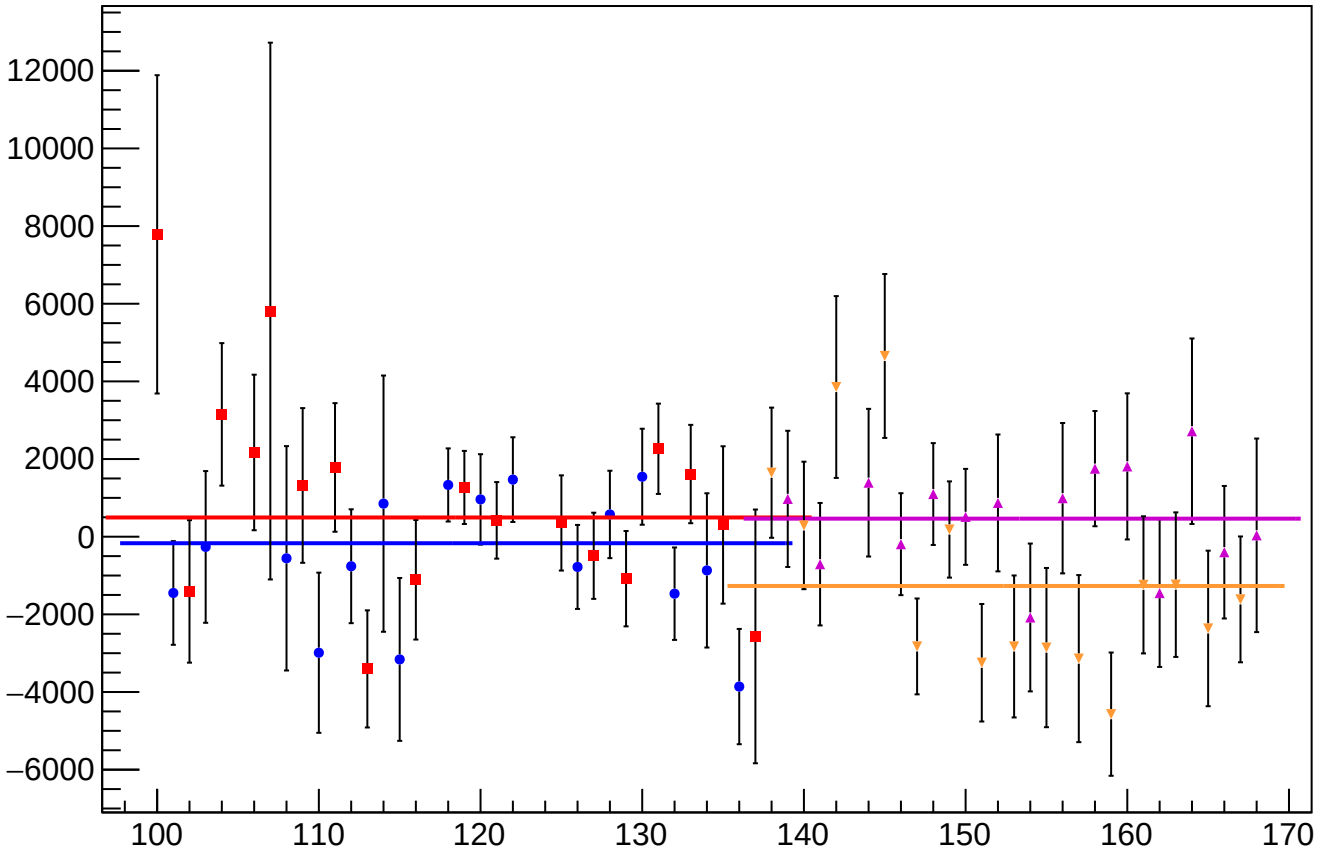
Left: 1109.426+/-0.159 χ^2/NDF: 4090.3/29

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

In: 1107.067+/-0.177 χ^2/NDF:14375.4/30

Out: 1109.538+/-0.179 χ^2/NDF:9219.0/32

All: 1108.285+/-0.126 χ^2/NDF: 23690.9/63



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

Left Out: -1268.805+/-435.718 χ^2/NDF:28.0/14

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

Left In: 464.865+/-431.230 χ^2/NDF:6.7/14

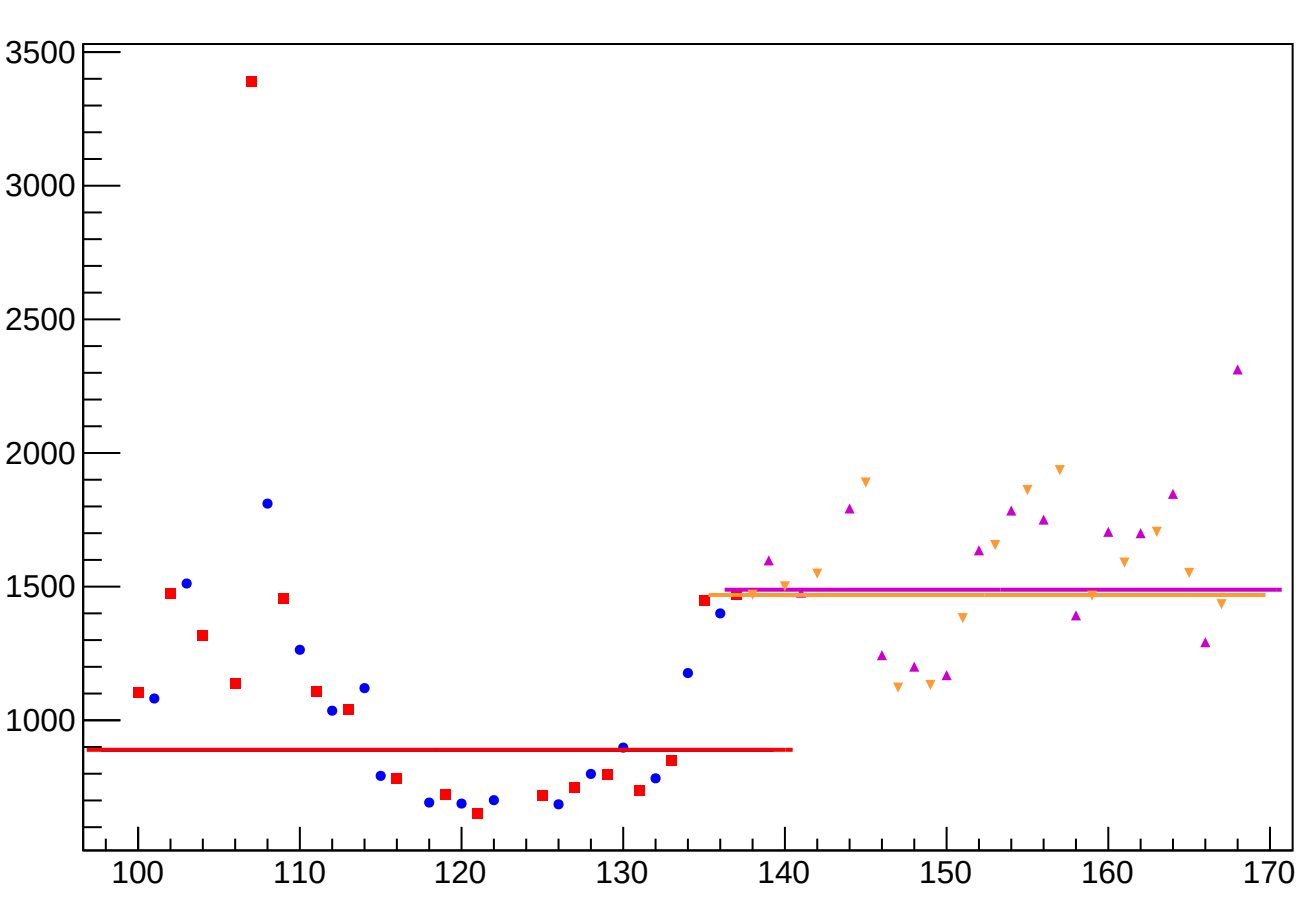
Left: -392.996+/-306.500 χ^2/NDF: 42.8/29

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

In: 79.437+/-269.605 χ^2/NDF:29.1/30

Out: -184.707+/-270.505 χ^2/NDF:61.4/32

All: -52.195+/-190.957 χ^2/NDF: 90.9/63



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

Left Out: 1468.857+/-0.308 χ^2/NDF:628920.5/14

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

Left In: 1488.461+/-0.305 χ^2/NDF:807707.7/14

Left: 1478.761+/-0.217 χ^2/NDF: 1438673.6/29

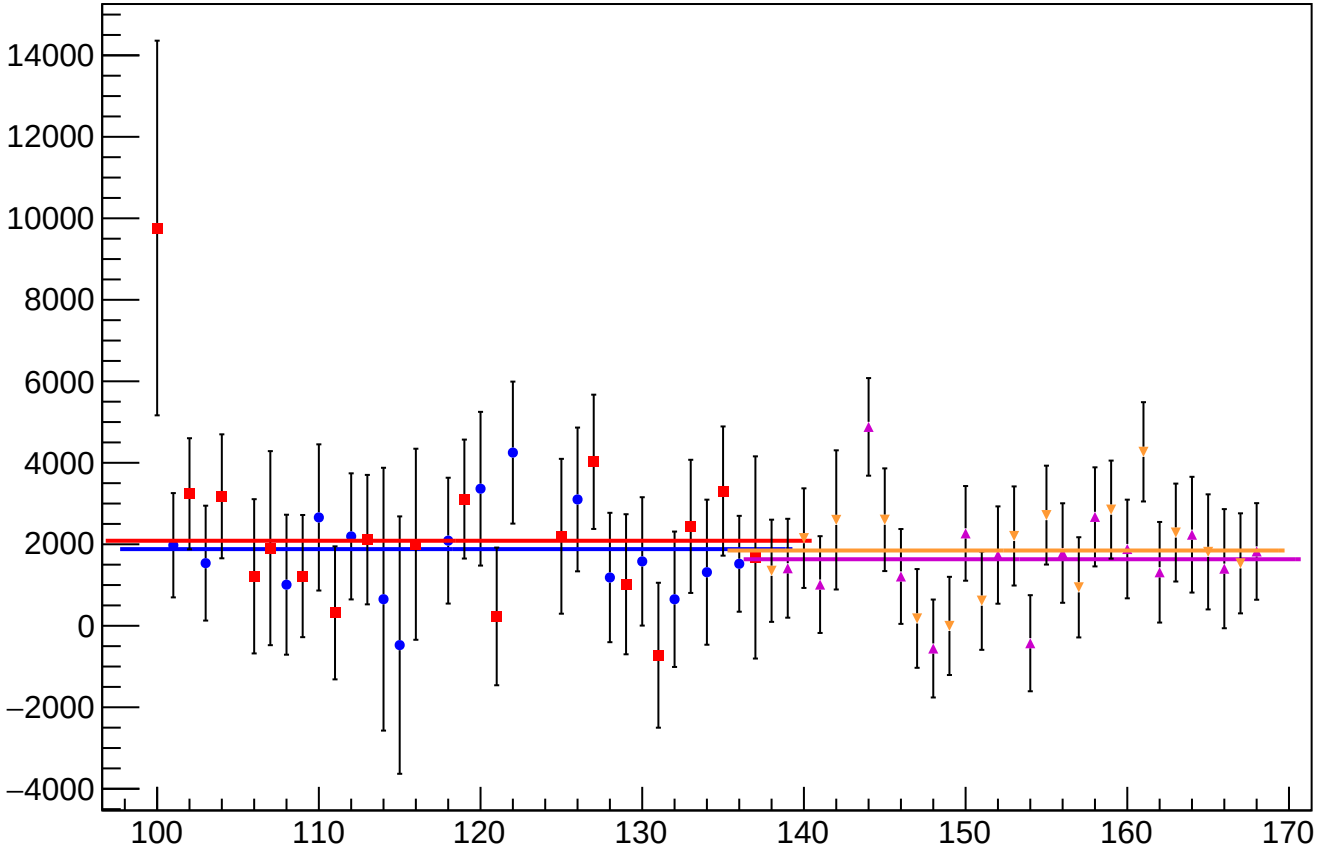
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1123.287+/-0.191 χ^2/NDF:4295008.0/30

Out: 1112.785+/-0.191 χ^2/NDF:4147970.2/32

All: 1118.053+/-0.135 χ^2/NDF: 8444490.6/63

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1847.685+/-323.203 χ^2/NDF:12.1/14

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1633.052+/-315.631 χ^2/NDF:15.6/14

Left: 1737.825+/-225.814 χ^2/NDF: 27.8/29

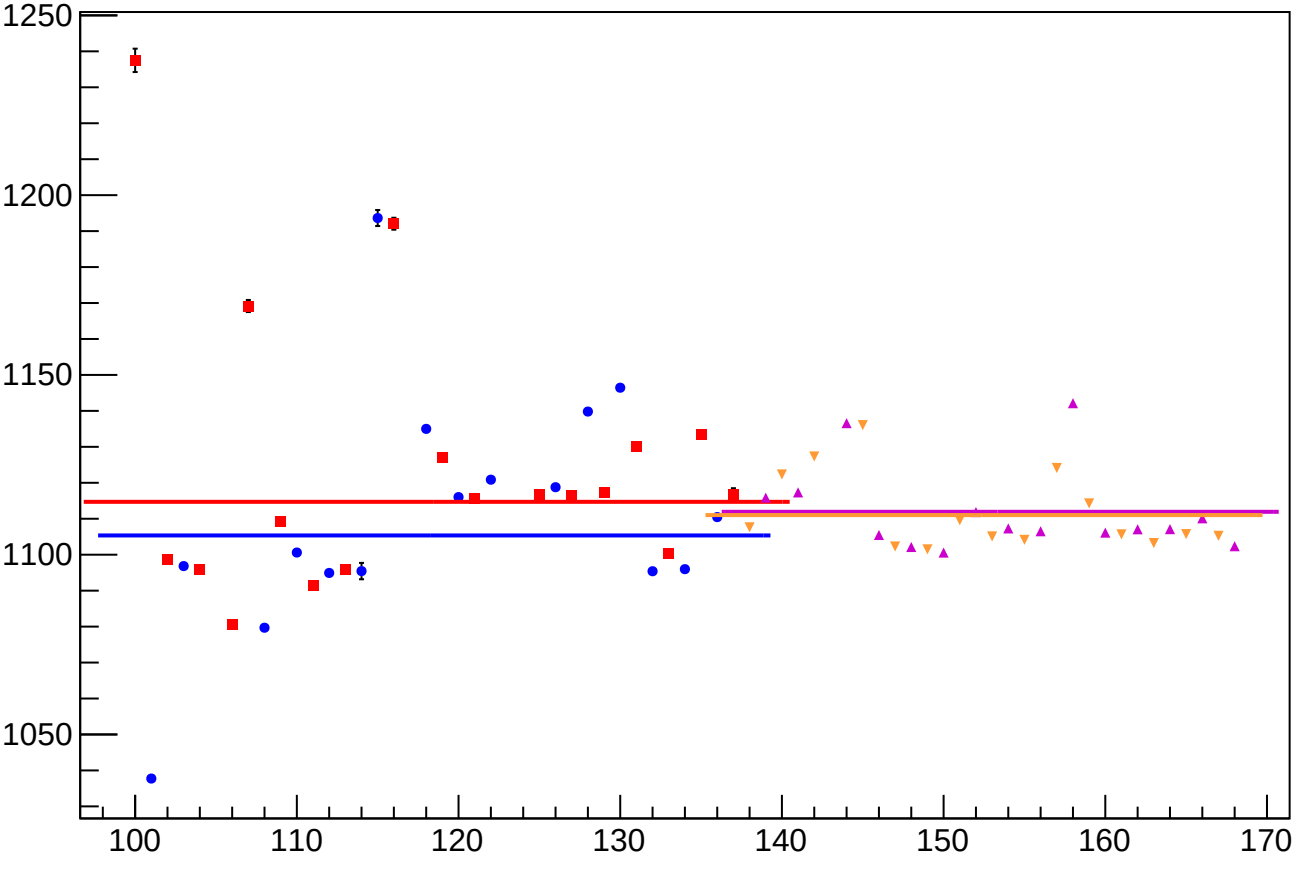
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1725.313+/-250.263 χ^2/NDF:21.0/30

Out: 1939.144+/-254.007 χ^2/NDF:24.6/32

All: 1830.641+/-178.272 χ^2/NDF: 46.0/63

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.931+/-0.223 χ^2/NDF:2831.6/14

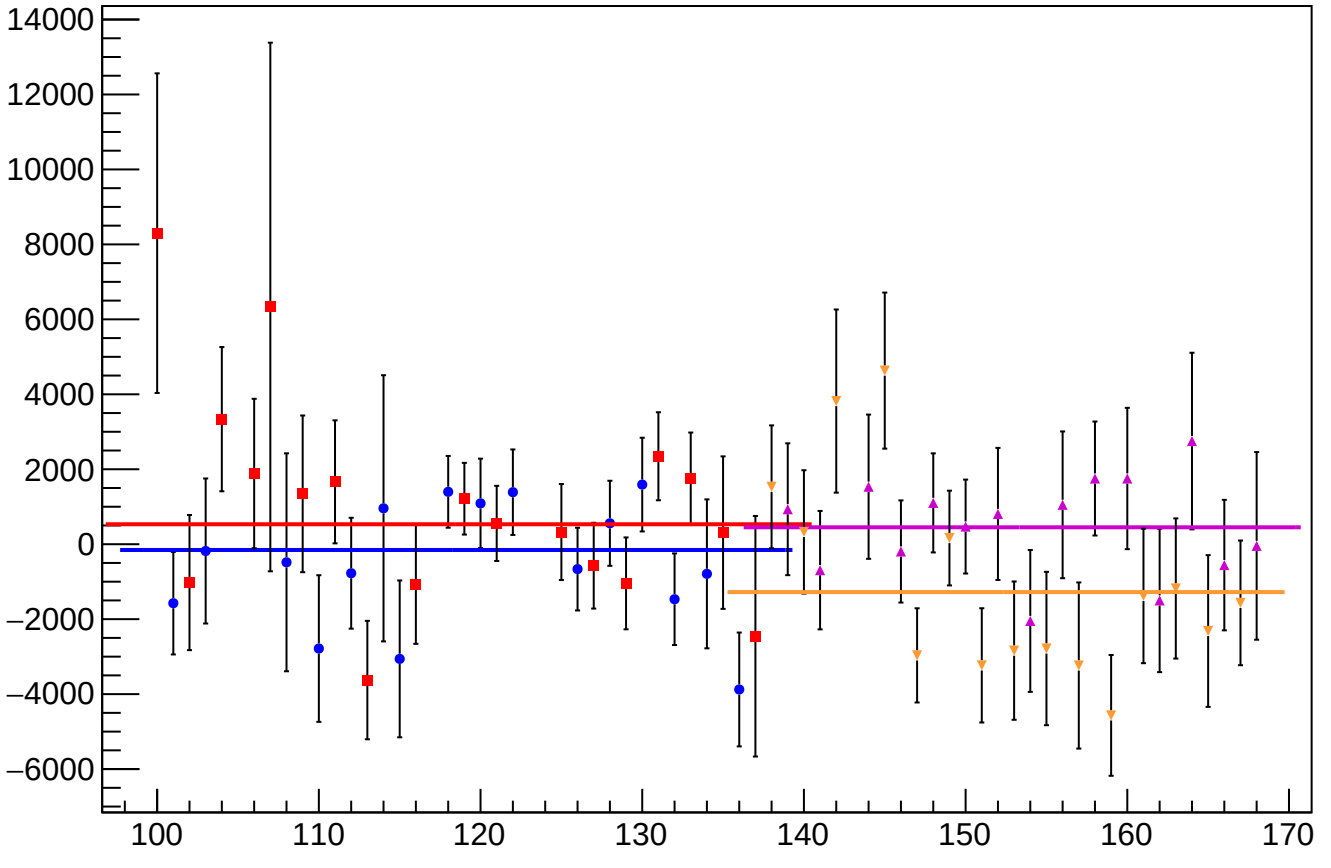
Left: 1111.483+/-0.160 χ^2/NDF: 4776.6/29

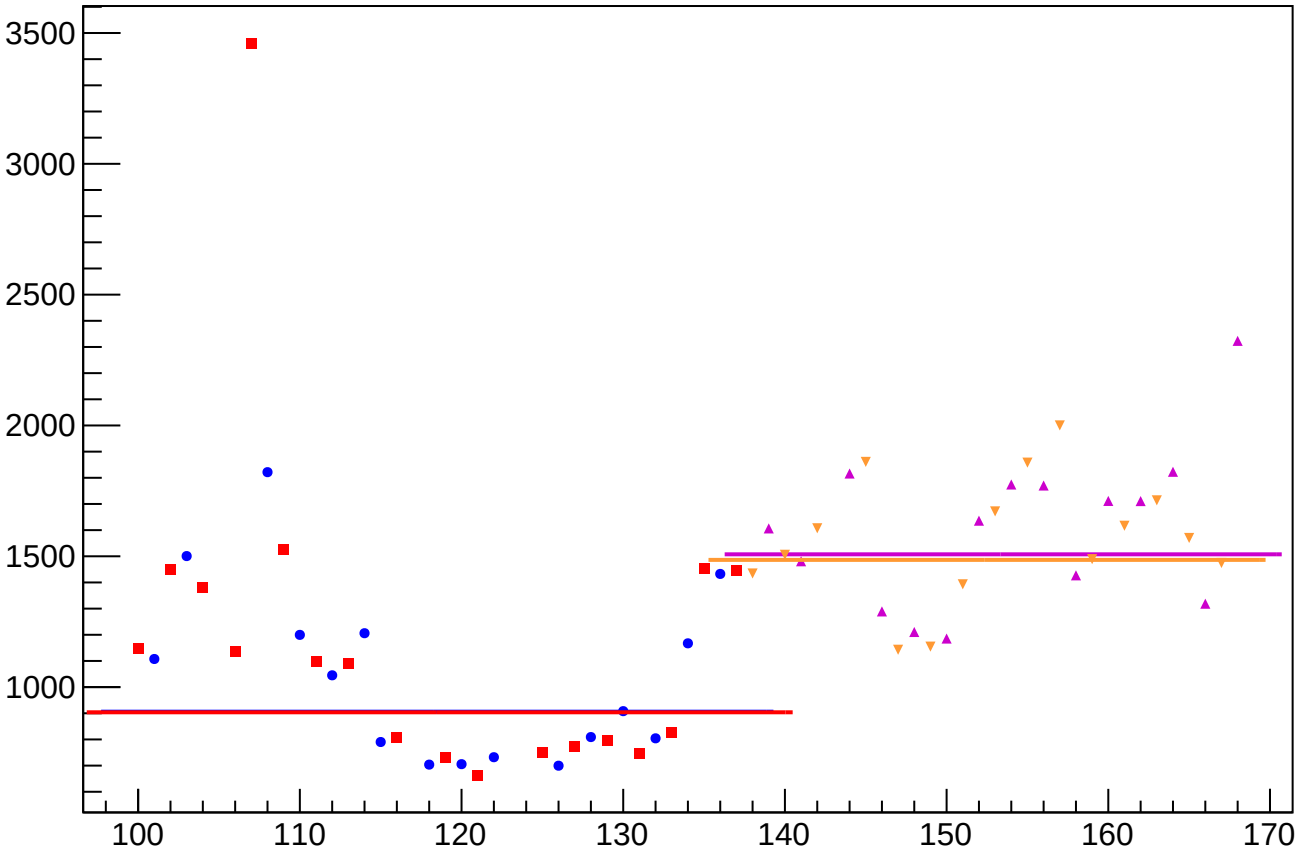
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1109.489+/-0.177 χ^2/NDF:14484.9/30

Out: 1112.425+/-0.180 χ^2/NDF:9366.8/32

All: 1110.936+/-0.126 χ^2/NDF: 23987.2/63


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
170
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1277.077+/-440.570 χ²/NDF:27.6/14
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 451.353+/-436.008 χ²/NDF:6.8/14
Left: -403.868+/-309.905 χ²/NDF: 42.2/29
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 84.306+/-273.563 χ²/NDF:28.5/30
Out: -168.873+/-274.243 χ²/NDF:61.1/32
All: -41.969+/-193.678 χ²/NDF: 90.0/63



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

Left Out: 1486.266+/-0.312 χ^2/NDF:603820.7/14

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

Left In: 1507.542+/-0.308 χ^2/NDF:752392.4/14

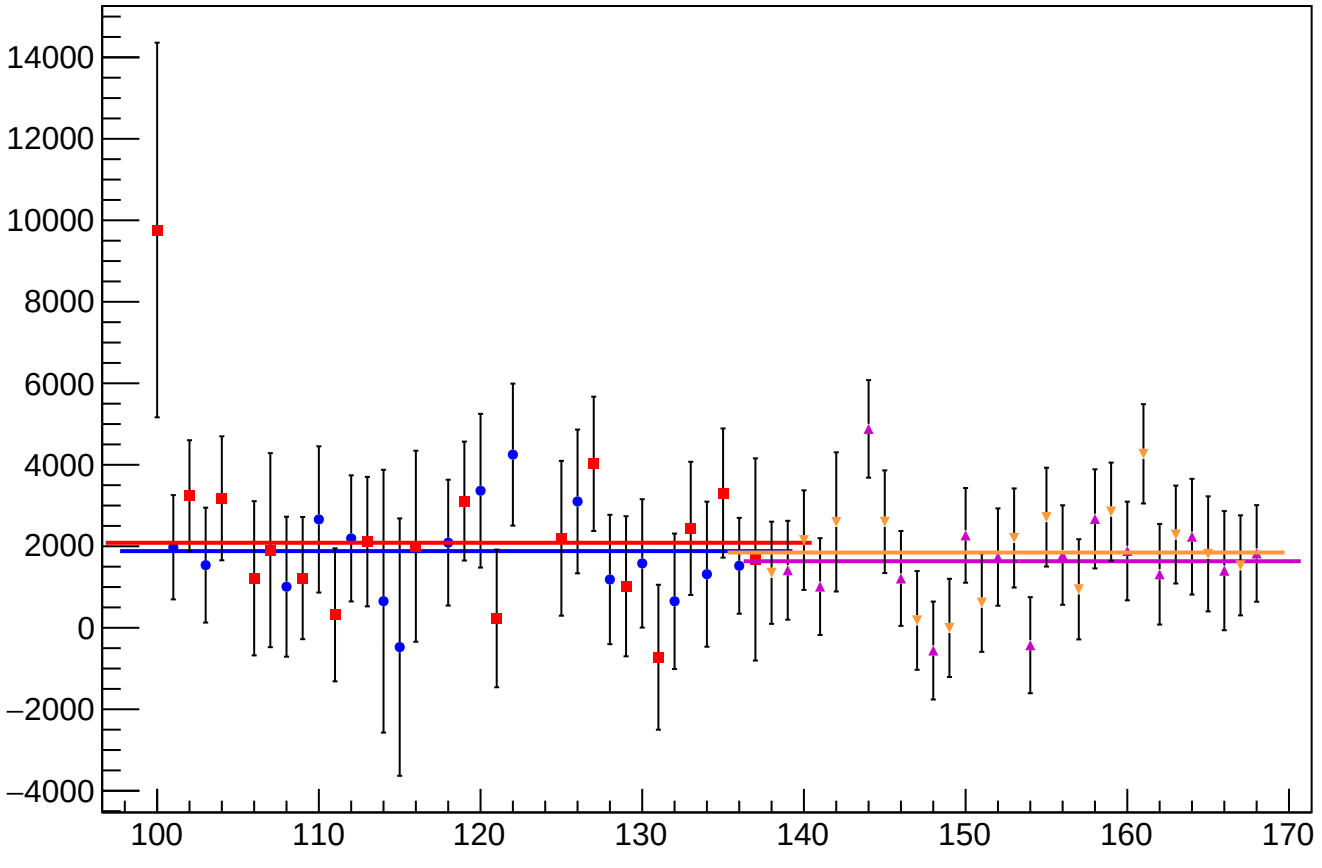
Left: 1497.015+/-0.219 χ^2/NDF: 1358569.5/29

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

In: 1142.826+/-0.193 χ^2/NDF:4139822.6/30

Out: 1129.461+/-0.194 χ^2/NDF:4085396.3/32

All: 1136.160+/-0.137 χ^2/NDF: 8227600.0/63



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

Left Out: 1847.680+/-323.203 χ^2/NDF:12.1/14

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

Left In: 1633.054+/-315.631 χ^2/NDF:15.6/14

Left: 1737.824+/-225.814 χ^2/NDF: 27.8/29

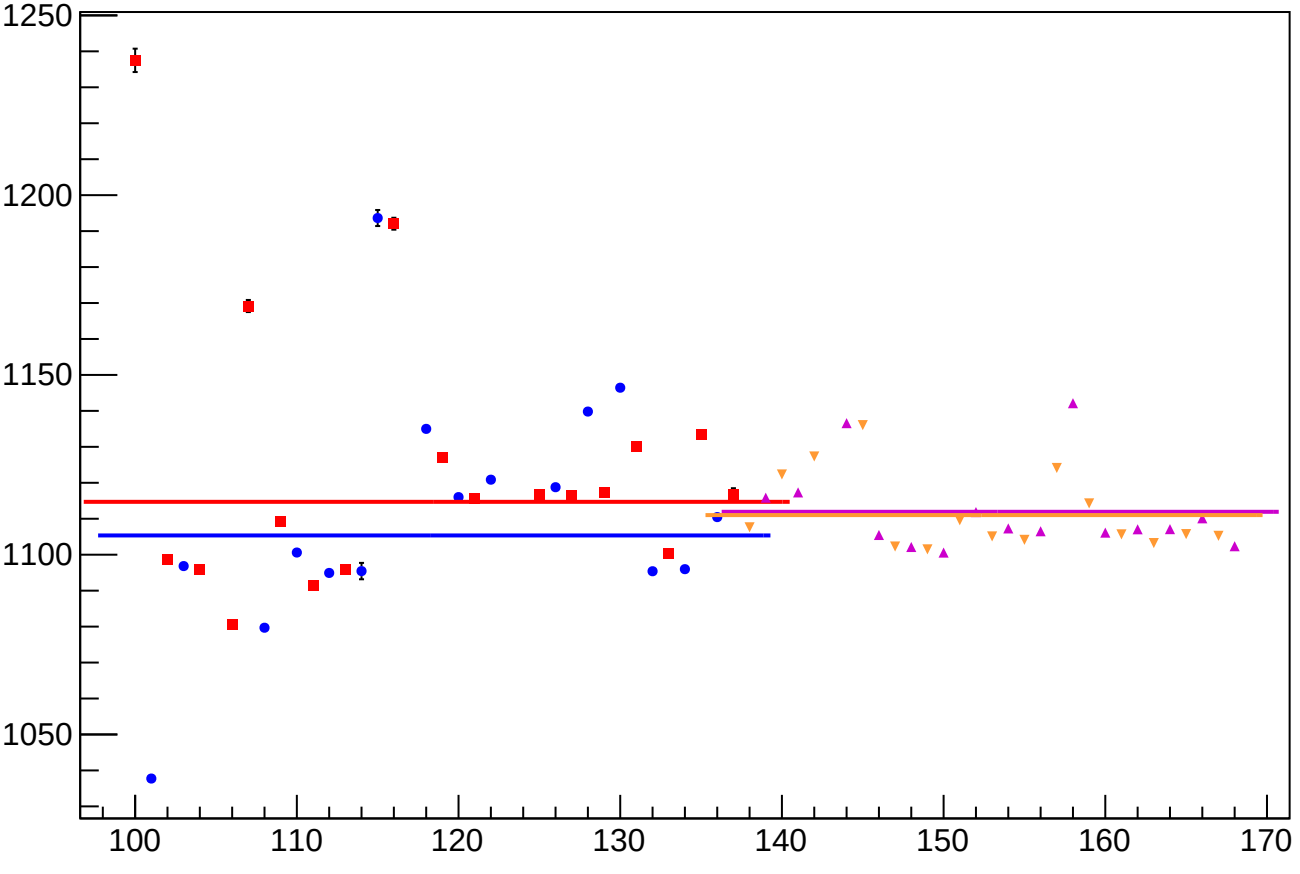
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1725.314+/-250.263 χ^2/NDF:21.0/30

Out: 1939.140+/-254.007 χ^2/NDF:24.6/32

All: 1830.639+/-178.272 χ^2/NDF: 46.0/63

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.014+/-0.229 χ^2/NDF:1936.7/14

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

Left In: 1111.931+/-0.223 χ^2/NDF:2831.6/14

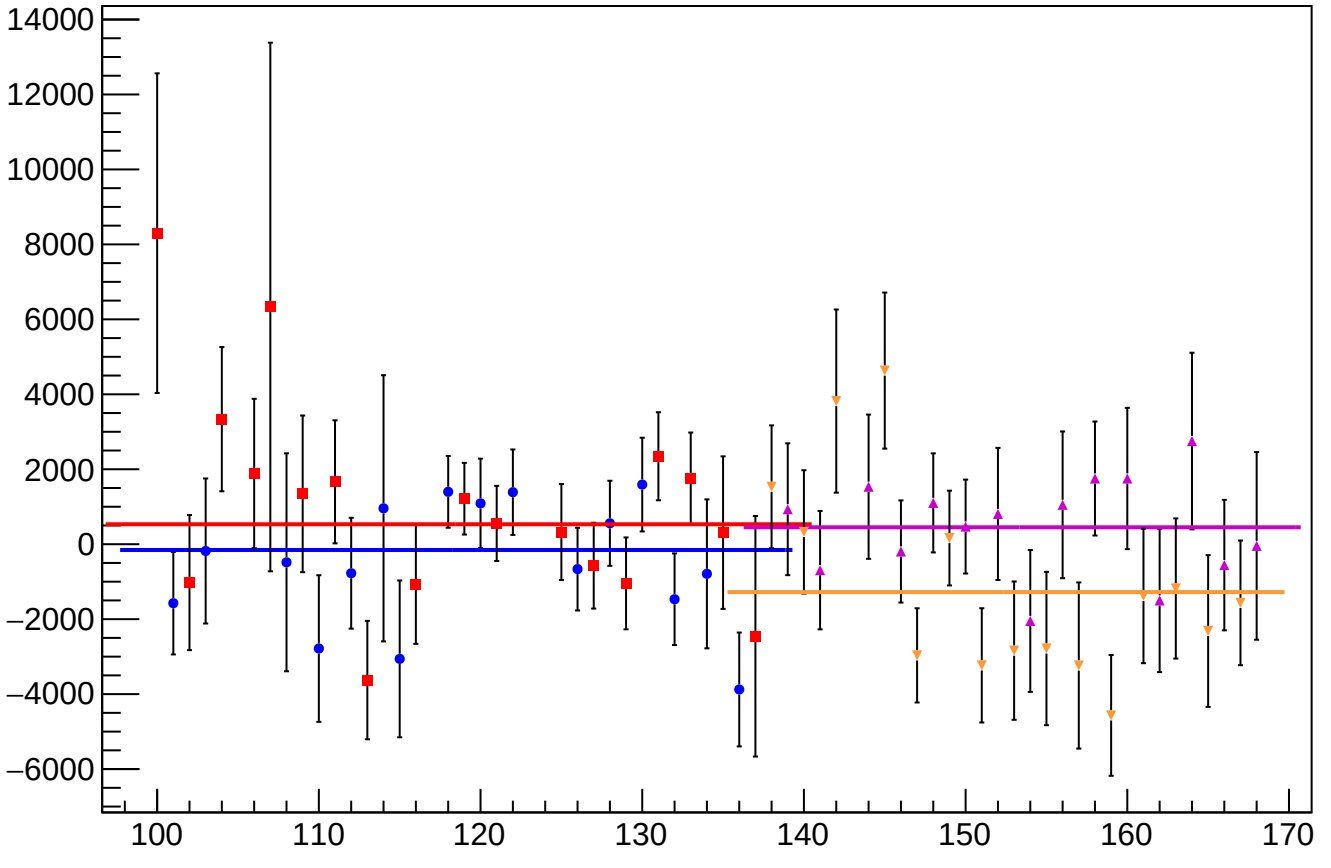
Left: 1111.483+/-0.160 χ^2/NDF: 4776.6/29

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

In: 1109.489+/-0.177 χ^2/NDF:14484.9/30

Out: 1112.425+/-0.180 χ^2/NDF:9366.7/32

All: 1110.935+/-0.126 χ^2/NDF: 23987.2/63



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

Left Out: -1277.082+/-440.570 χ^2/NDF:27.6/14

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

Left In: 451.355+/-436.009 χ^2/NDF:6.8/14

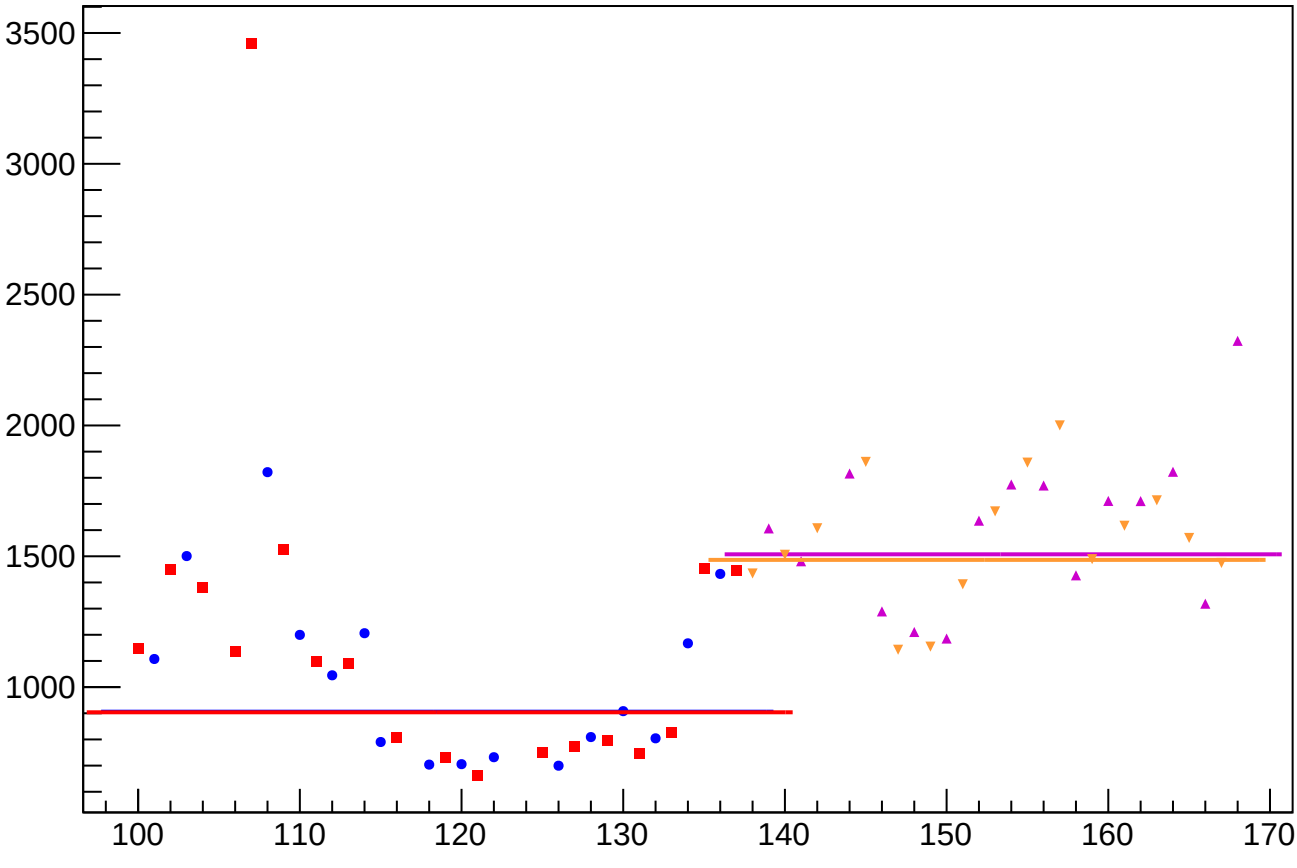
Left: -403.870+/-309.905 χ^2/NDF: 42.2/29

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

In: 84.306+/-273.563 χ^2/NDF:28.5/30

Out: -168.873+/-274.243 χ^2/NDF:61.1/32

All: -41.969+/-193.678 χ^2/NDF: 90.0/63



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

Left Out: 1486.268+/-0.312 χ^2/NDF:603817.4/14

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

Left In: 1507.544+/-0.308 χ^2/NDF:752388.0/14

Left: 1497.017+/-0.219 χ^2/NDF: 1358561.8/29

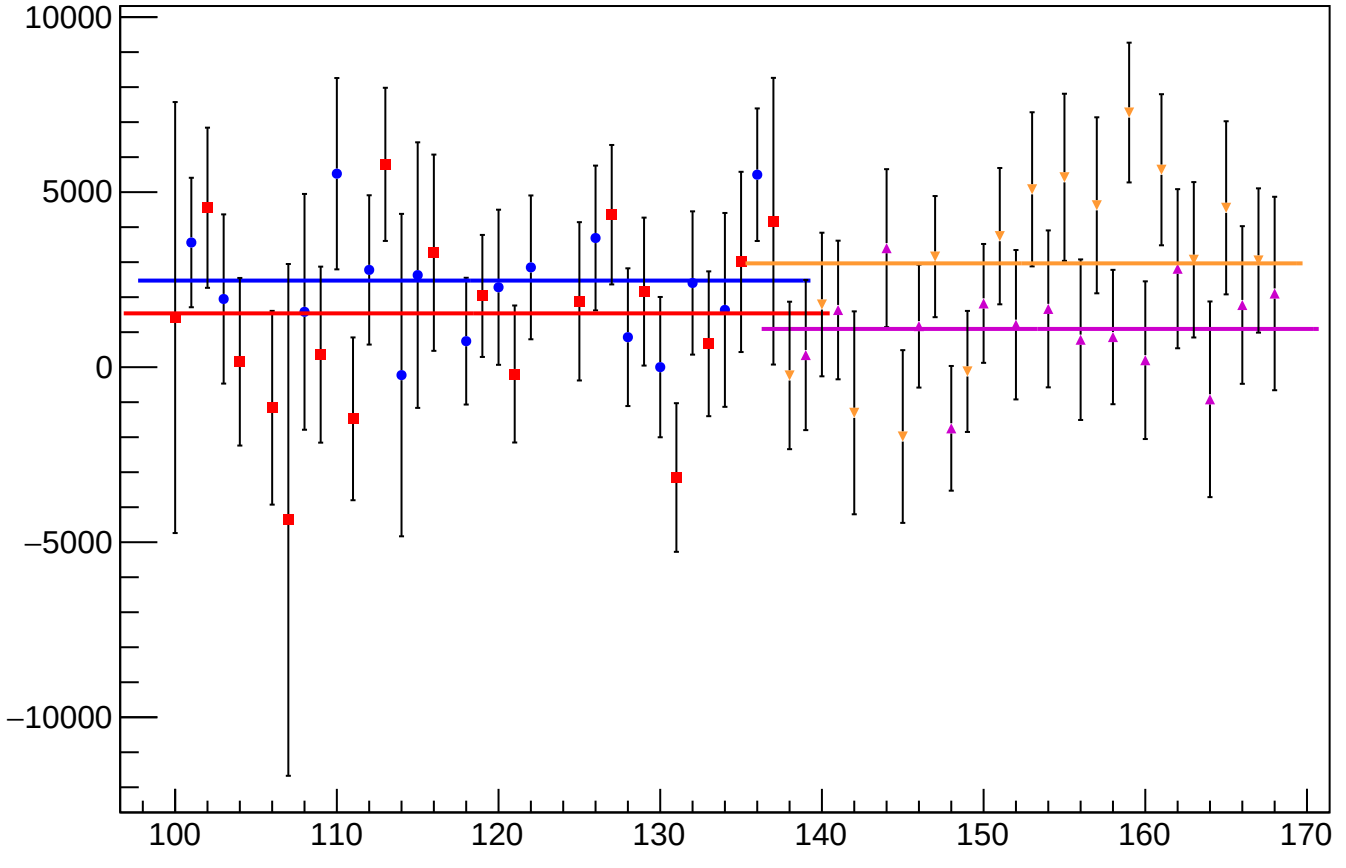
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1142.825+/-0.193 χ^2/NDF:4139852.8/30

Out: 1129.460+/-0.194 χ^2/NDF:4085426.5/32

All: 1136.159+/-0.137 χ^2/NDF: 8227660.3/63

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2965.915+/-551.607 χ^2/NDF:21.2/14

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1092.703+/-543.727 χ^2/NDF:5.5/14

Left: 2015.834+/-387.229 χ^2/NDF: 32.6/29

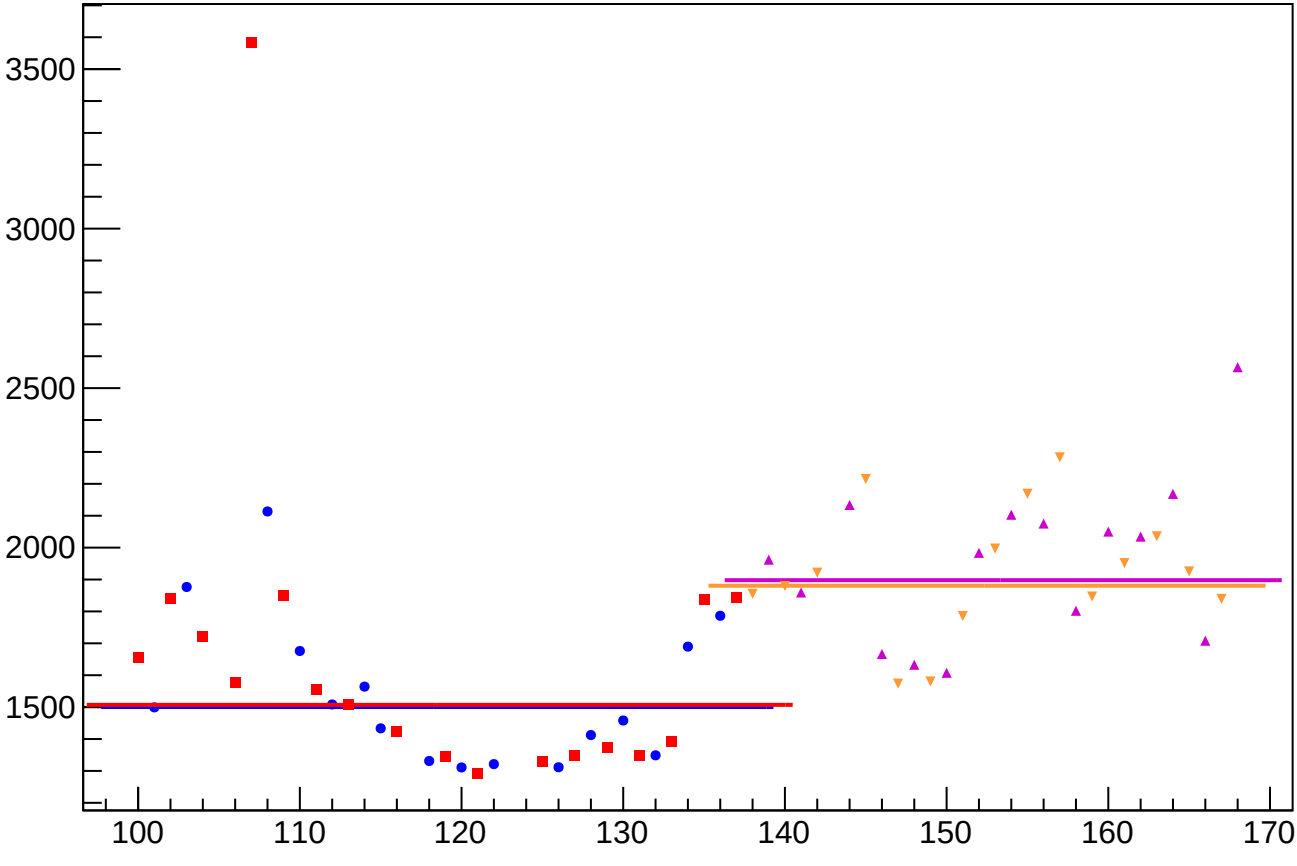
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1759.586+/-391.041 χ^2/NDF:16.9/30

Out: 2266.980+/-394.202 χ^2/NDF:43.0/32

All: 2011.241+/-277.618 χ^2/NDF: 60.7/63

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1880.569+/-0.390 χ^2/NDF:265466.0/14

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

Left In: 1897.913+/-0.384 χ^2/NDF:364889.4/14

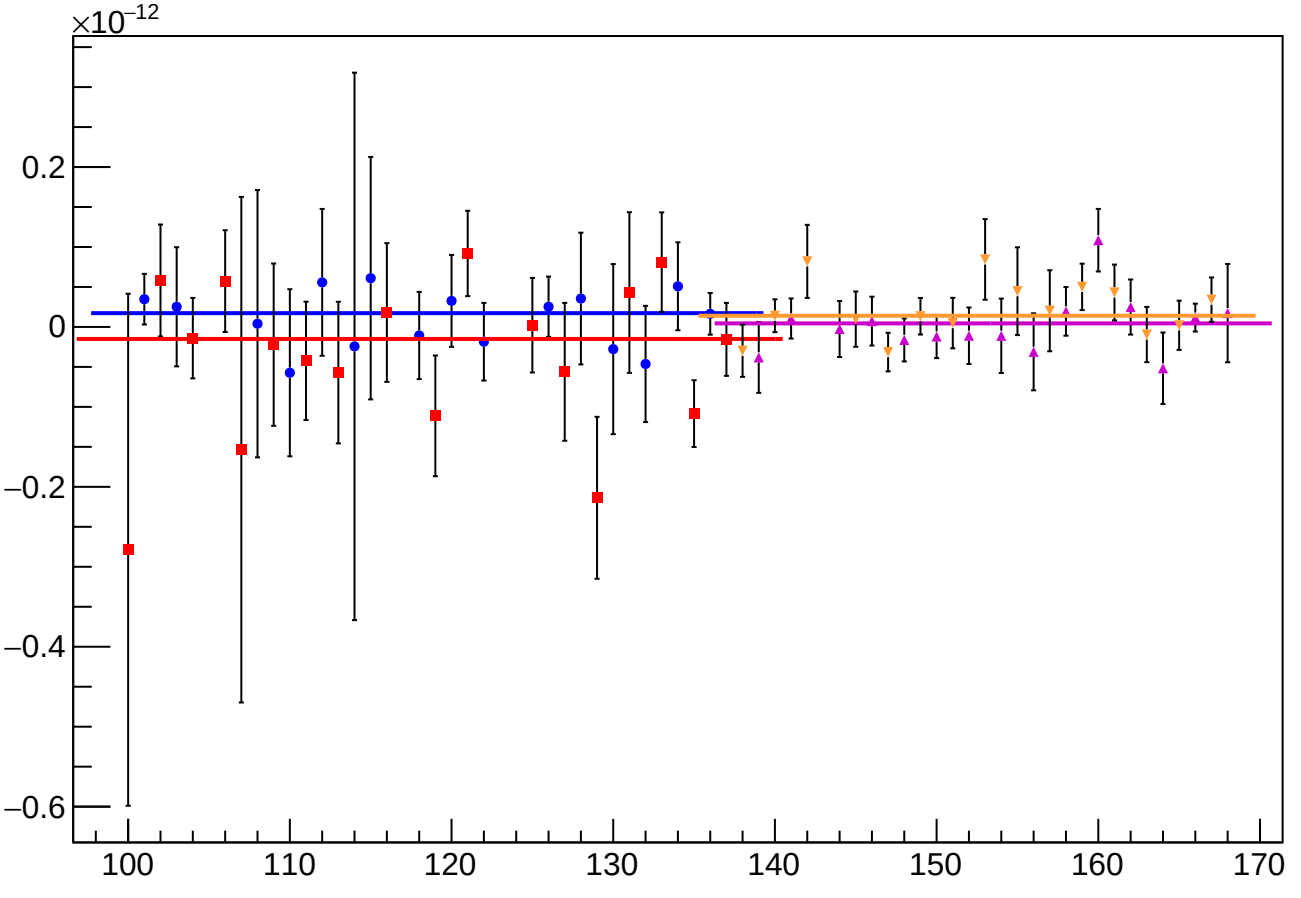
Left: 1889.366+/-0.274 χ^2/NDF: 631358.2/29

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

In: 1705.994+/-0.277 χ^2/NDF:1139816.0/30

Out: 1697.835+/-0.279 χ^2/NDF:1115282.8/32

All: 1701.947+/-0.196 χ^2/NDF: 2255530.6/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/14

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

Left In: 0.000+/-0.000 χ^2/NDF:12.3/14

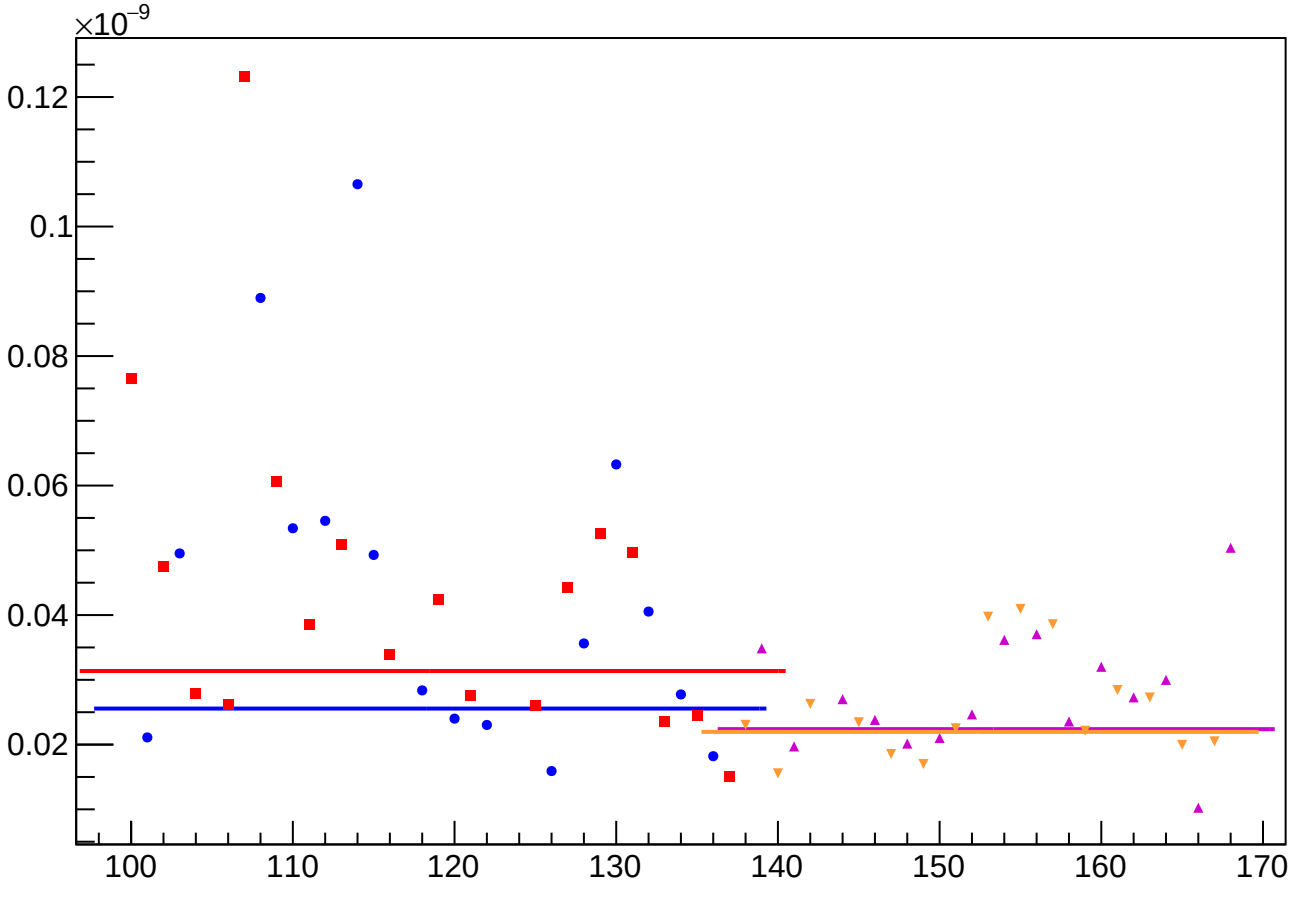
Left: 0.000+/-0.000 χ^2/NDF: 26.3/29

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:16.3/30

Out: 0.000+/-0.000 χ^2/NDF:37.2/32

All: 0.000+/-0.000 χ^2/NDF: 53.6/63



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

Left Out: 0.000+/-0.000 χ^2/NDF:1186287.6/14

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

Left In: 0.000+/-0.000 χ^2/NDF:2215977.5/14

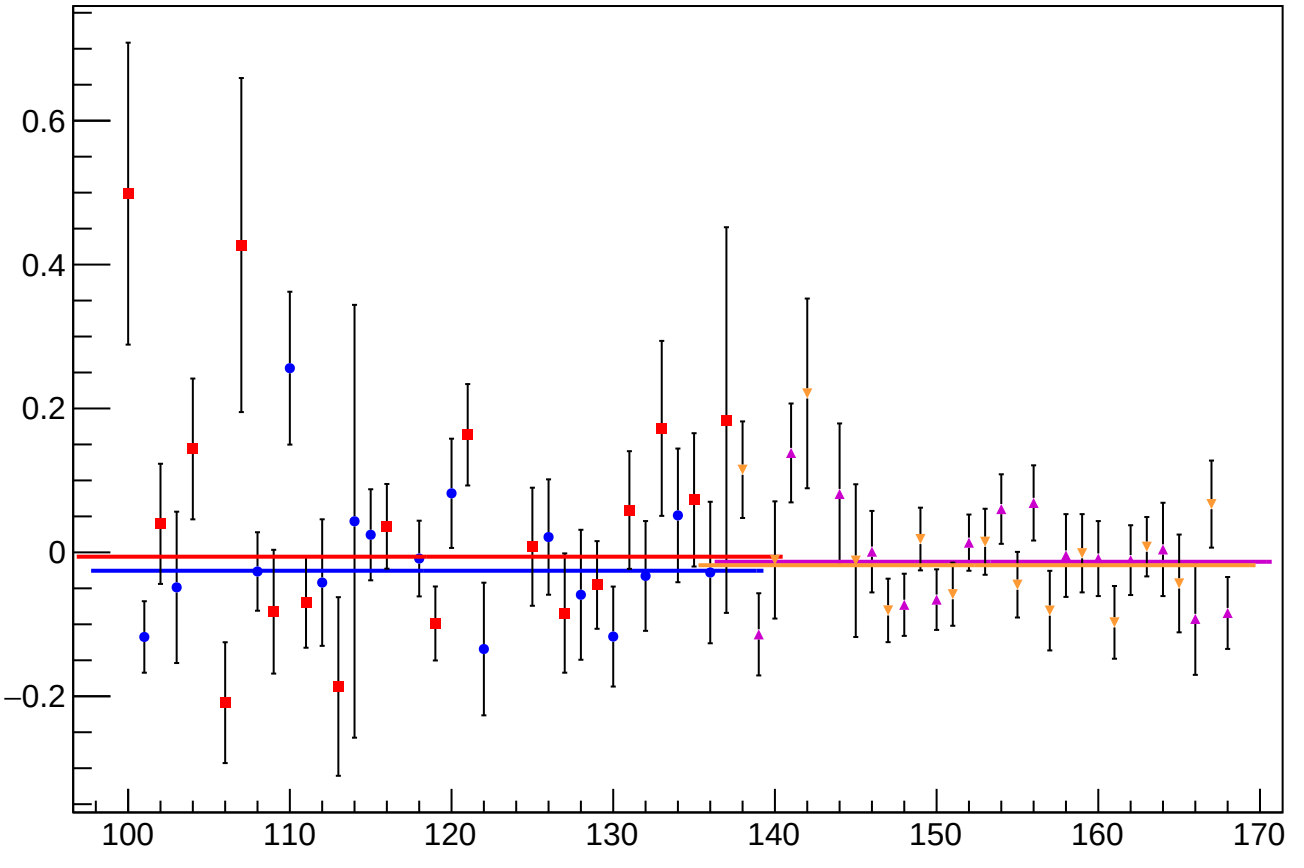
Left: 0.000+/-0.000 χ^2/NDF: 3405000.7/29

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

In: 0.000+/-0.000 χ^2/NDF:4004832.8/30

Out: 0.000+/-0.000 χ^2/NDF:2961215.6/32

All: 0.000+/-0.000 χ^2/NDF: 6973193.8/63



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.014 χ^2/NDF:20.8/14

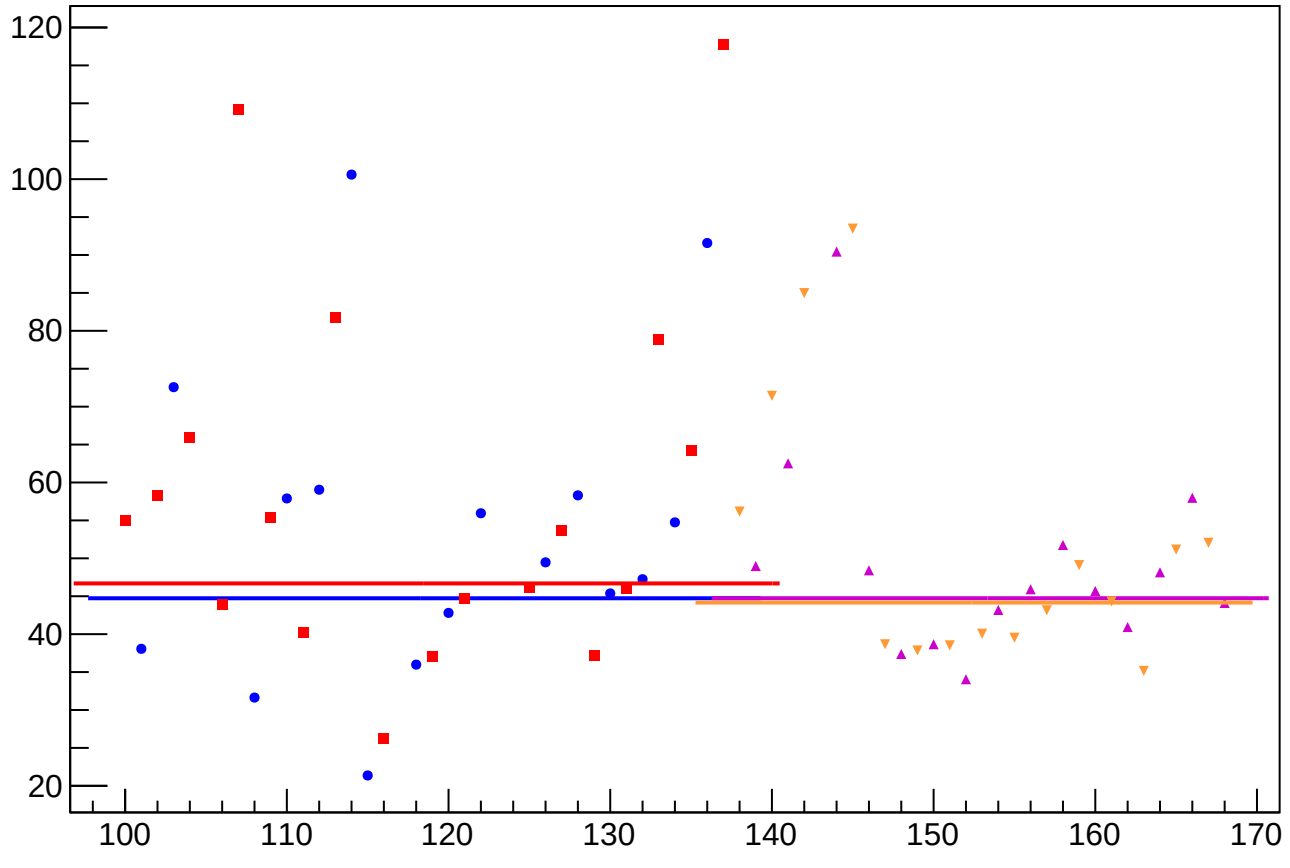
Left: -0.015+/-0.010 χ^2/NDF: 38.9/29

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

In: -0.017+/-0.011 χ^2/NDF:38.7/30

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.016+/-0.008 χ^2/NDF: 93.6/63



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

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

Left In: 44.738+/-0.010 χ^2/NDF:947397.7/14

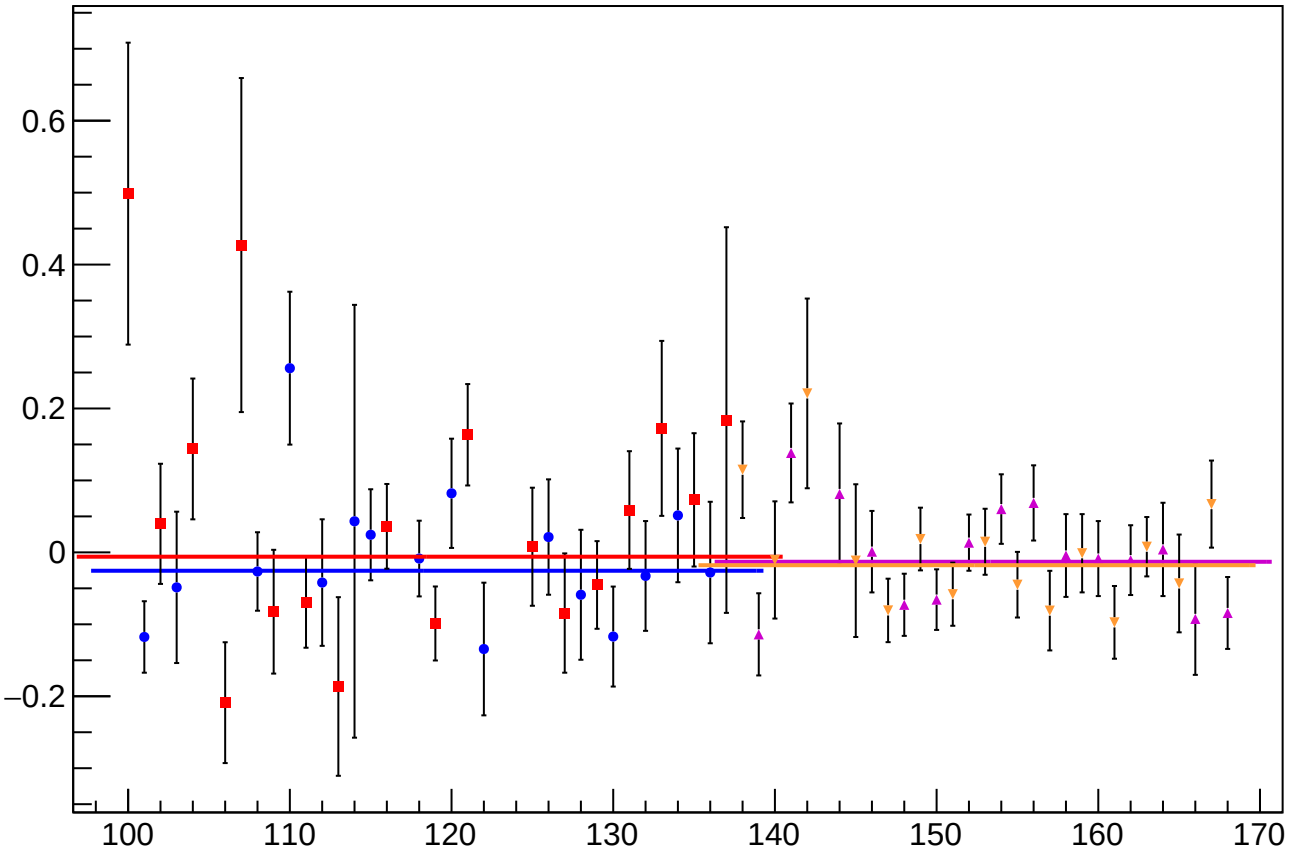
Left: 44.457+/-0.007 χ^2/NDF: 2170618.4/29

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

In: 44.736+/-0.008 χ^2/NDF:2281939.7/30

Out: 45.023+/-0.008 χ^2/NDF:2439353.7/32

All: 44.876+/-0.006 χ^2/NDF: 4721953.1/63



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.014 χ^2/NDF:20.8/14

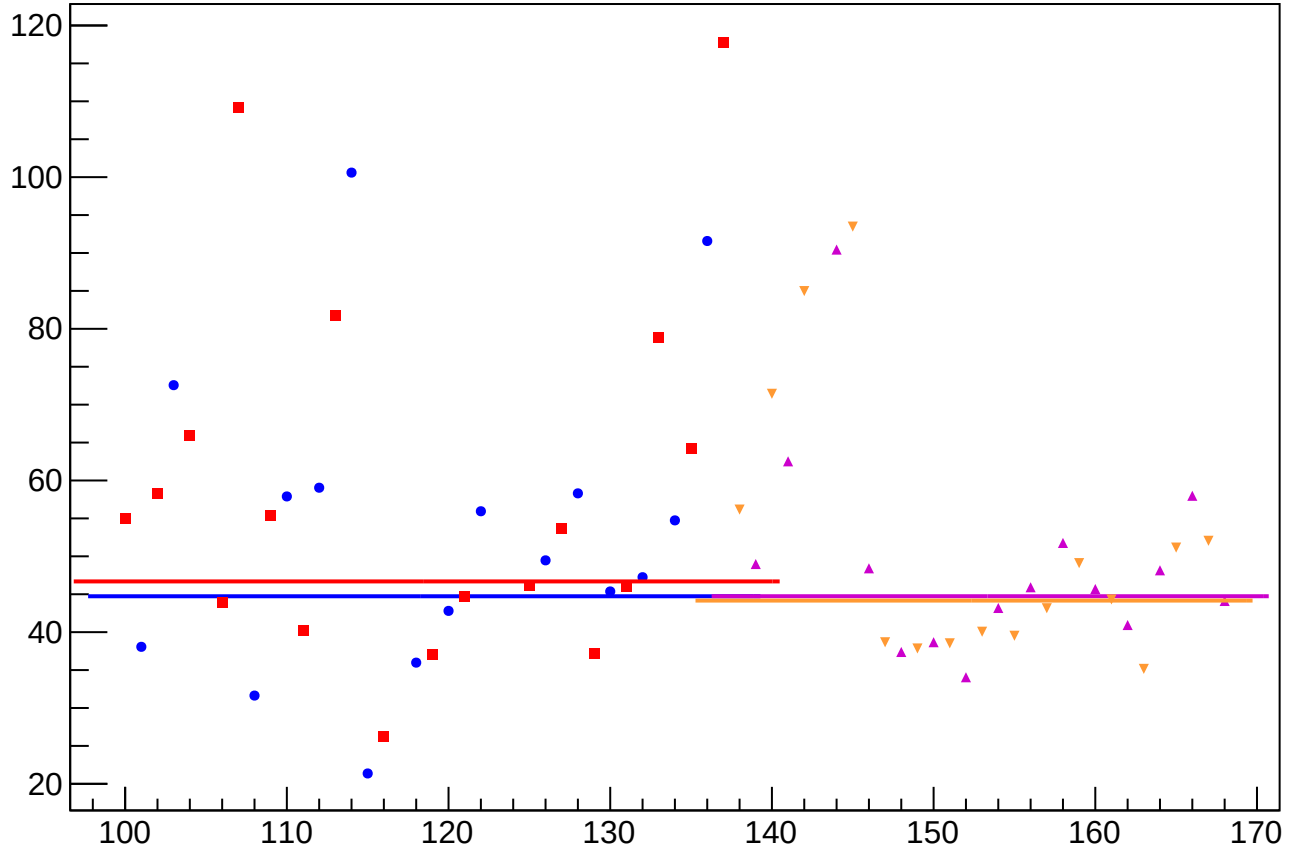
Left: -0.015+/-0.010 χ^2/NDF: 38.9/29

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

In: -0.017+/-0.011 χ^2/NDF:38.7/30

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.016+/-0.008 χ^2/NDF: 93.6/63



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

Left Out: 44.165+/-0.010 χ^2/NDF:1221490.1/14

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

Left In: 44.738+/-0.010 χ^2/NDF:947397.7/14

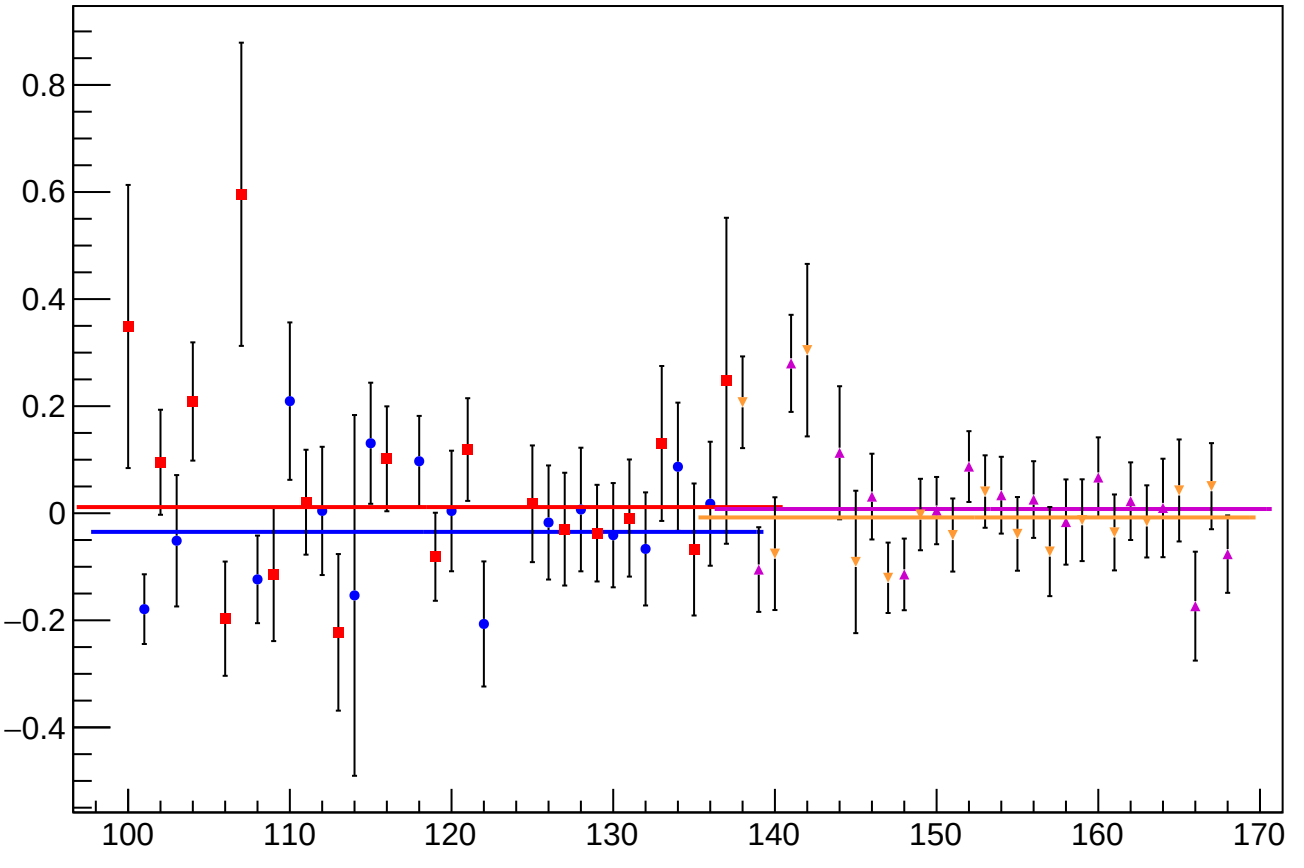
Left: 44.457+/-0.007 χ^2/NDF: 2170618.4/29

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

In: 44.736+/-0.008 χ^2/NDF:2281939.7/30

Out: 45.023+/-0.008 χ^2/NDF:2439353.7/32

All: 44.876+/-0.006 χ^2/NDF: 4721953.1/63



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.008+/-0.020 χ^2/NDF:22.1/14

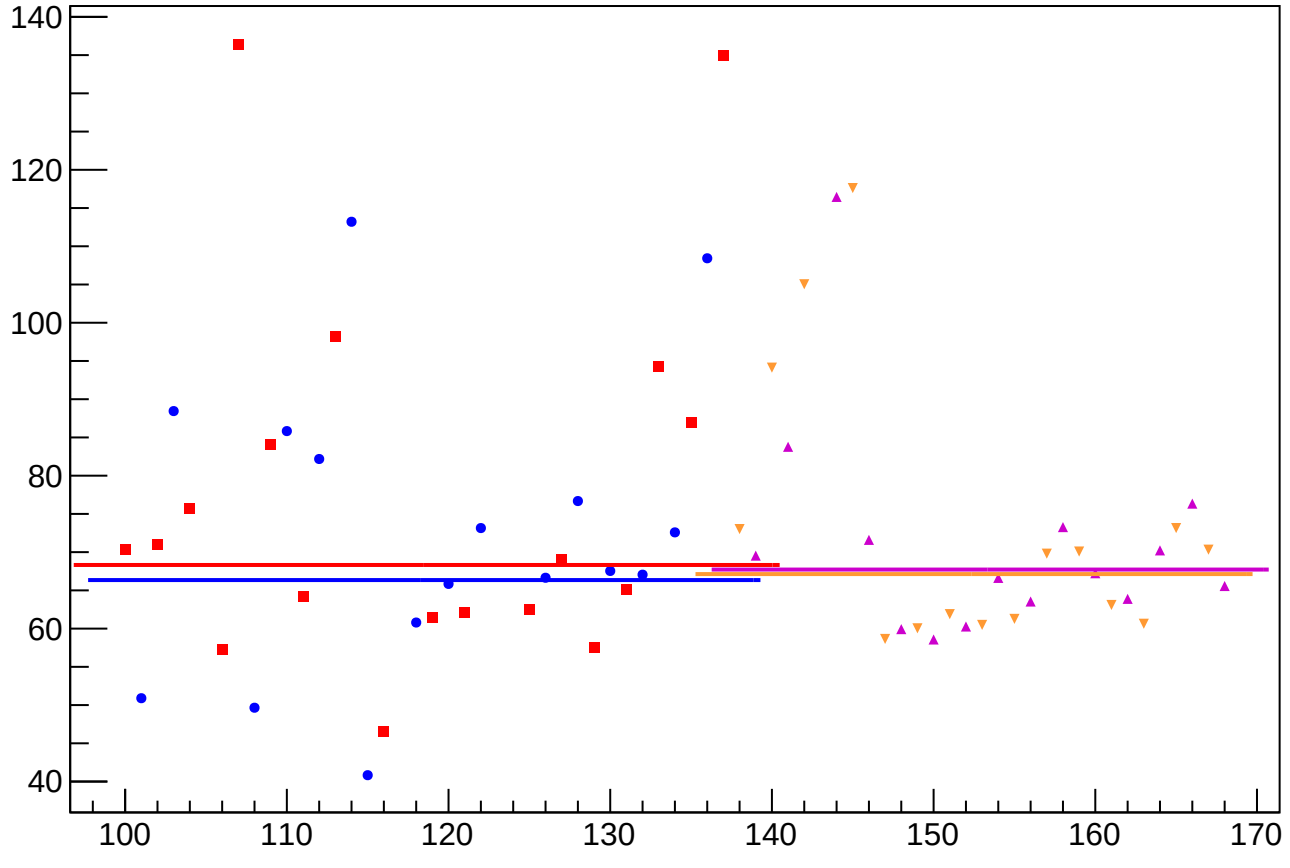
Left: 0.000+/-0.014 χ^2/NDF: 38.7/29

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

In: -0.008+/-0.016 χ^2/NDF:41.2/30

Out: -0.001+/-0.016 χ^2/NDF:39.4/32

All: -0.004+/-0.011 χ^2/NDF: 80.7/63



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.131+/-0.014 χ^2/NDF:682429.8/14

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.722+/-0.014 χ^2/NDF:511032.1/14

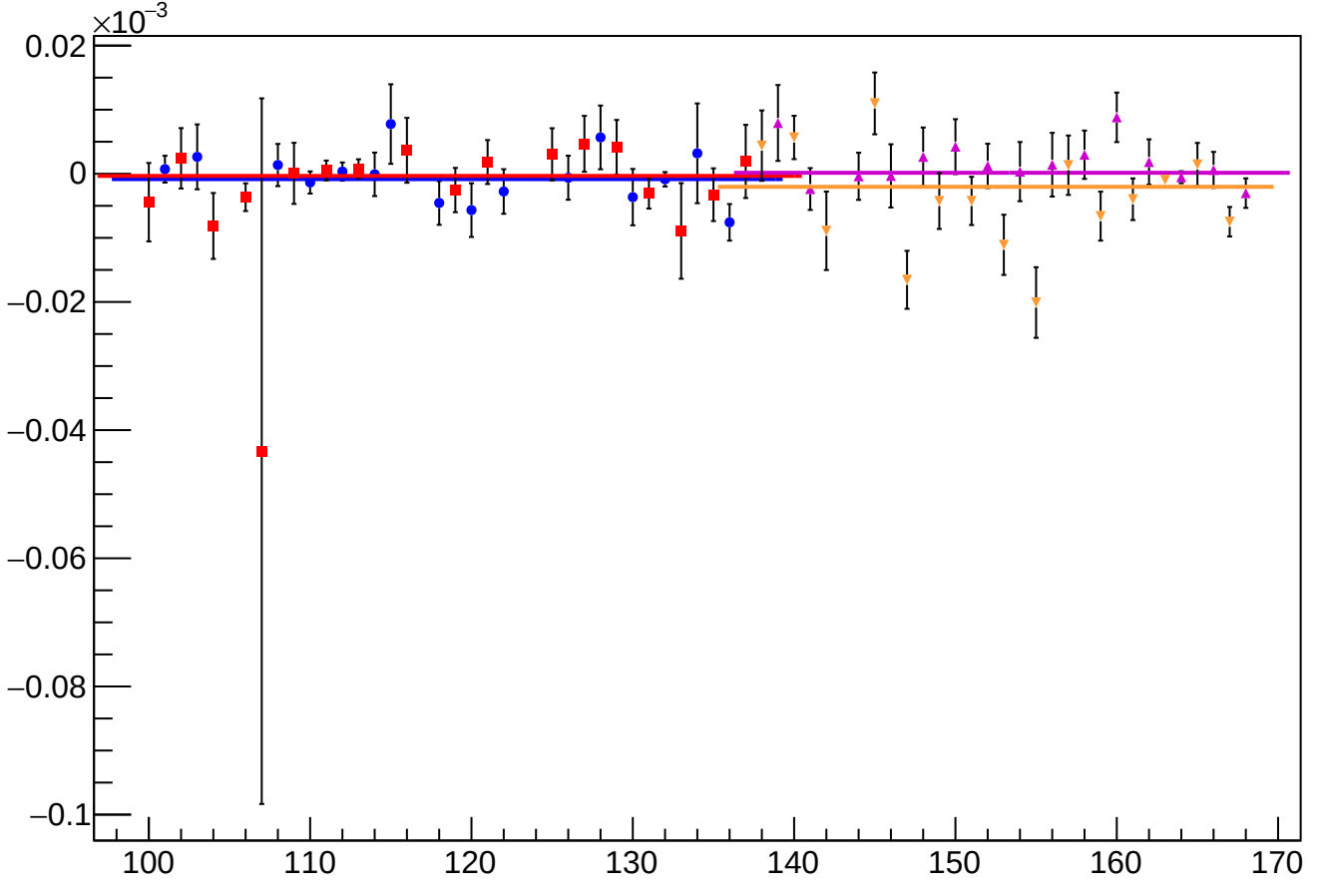
Left: 67.433+/-0.010 χ^2/NDF: 1194327.6/29

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

In: 67.222+/-0.011 χ^2/NDF:1287161.8/30

Out: 67.563+/-0.011 χ^2/NDF:1314597.4/32

All: 67.389+/-0.008 χ^2/NDF: 2602213.3/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/14

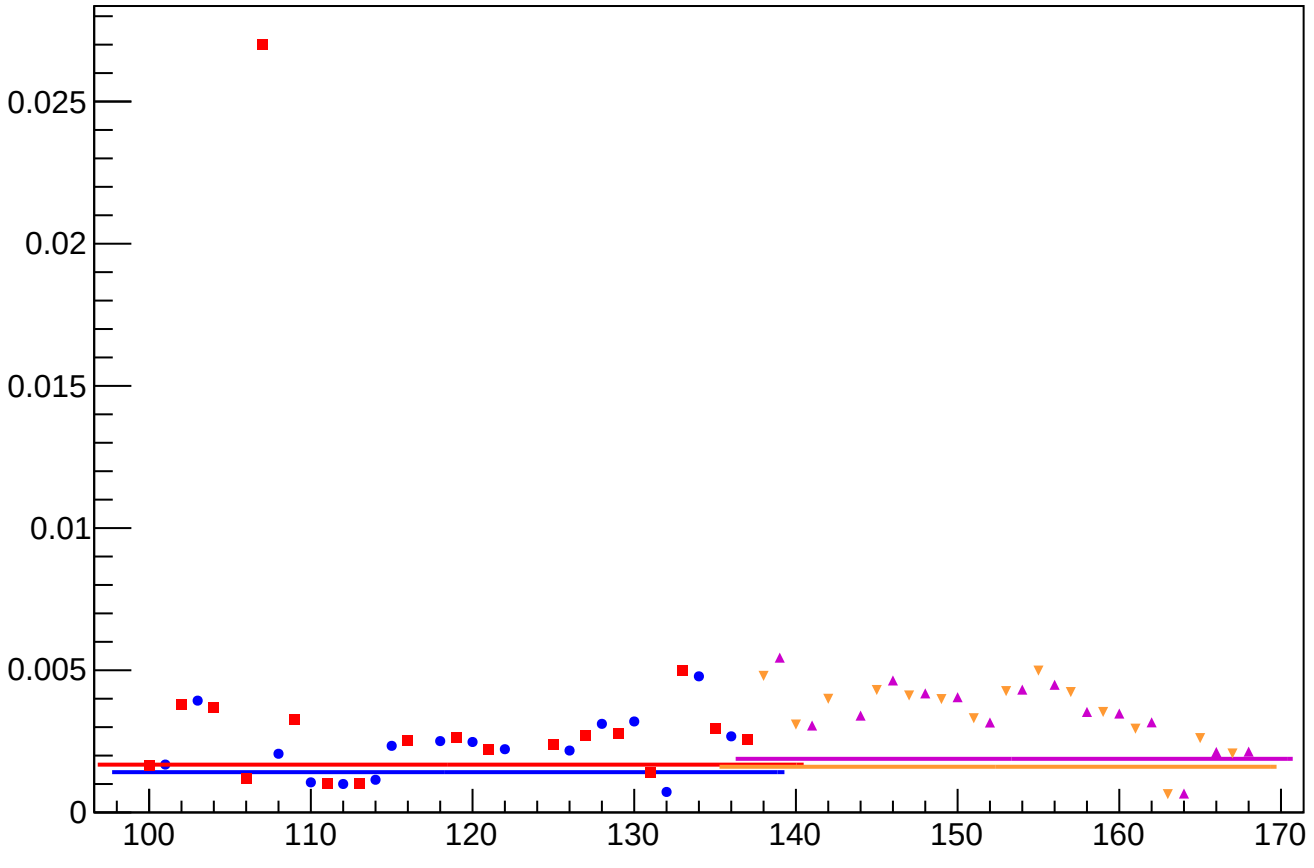
Left: -0.000+/-0.000 χ^2/NDF: 69.0/29

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

In: -0.000+/-0.000 χ^2/NDF:28.2/30

Out: -0.000+/-0.000 χ^2/NDF:69.3/32

All: -0.000+/-0.000 χ^2/NDF: 99.5/63



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9791332.2/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8772084.1/14

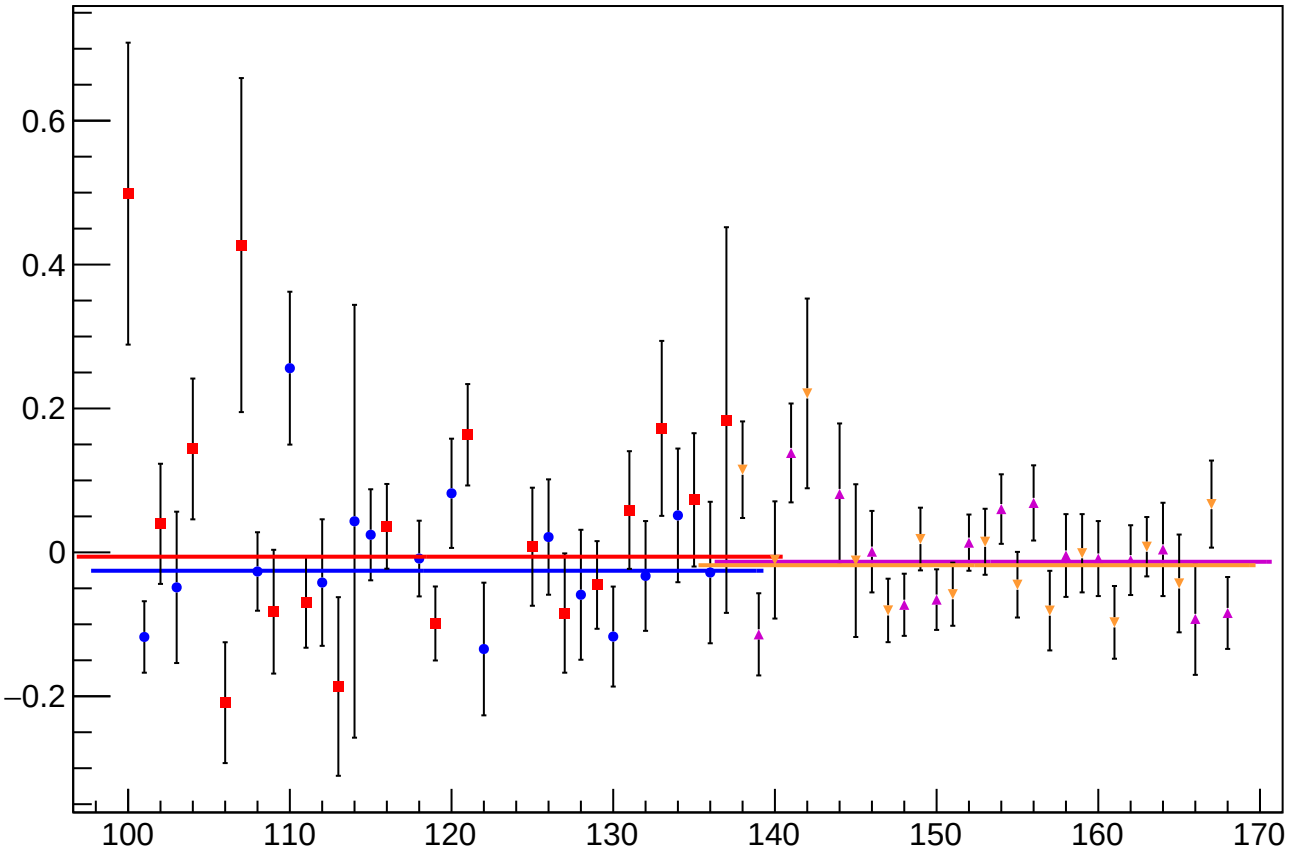
Left: 0.002+/-0.000 χ^2/NDF: 18747194.5/29

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

In: 0.002+/-0.000 χ^2/NDF:12844299.5/30

Out: 0.002+/-0.000 χ^2/NDF:13230717.1/32

All: 0.002+/-0.000 χ^2/NDF: 26075377.4/63



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.014 χ^2/NDF:20.8/14

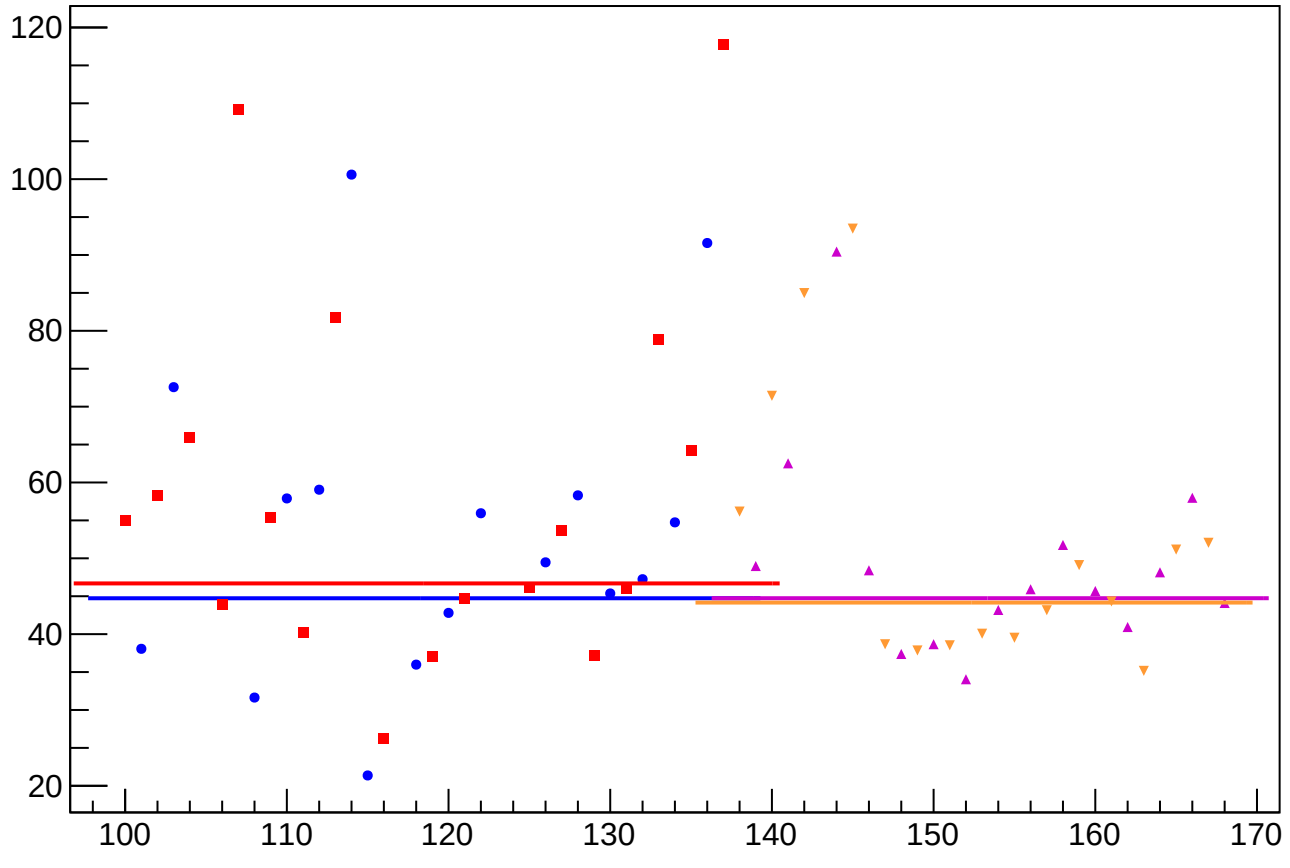
Left: -0.015+/-0.010 χ^2/NDF: 38.9/29

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

In: -0.017+/-0.011 χ^2/NDF:38.7/30

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.016+/-0.008 χ^2/NDF: 93.6/63



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.738+/-0.010 χ^2/NDF:947374.8/14

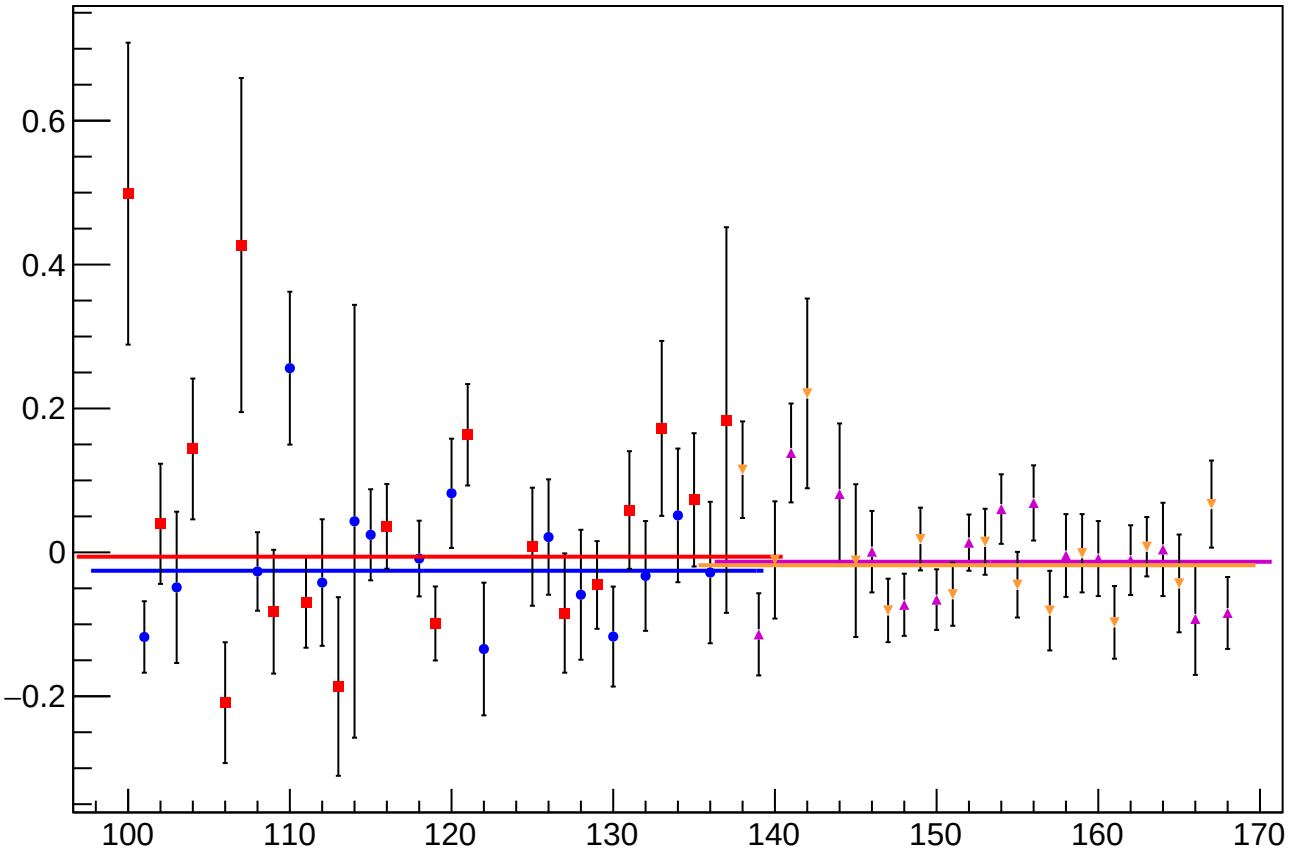
Left: 44.457+/-0.007 χ^2/NDF: 2170560.9/29

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

In: 44.736+/-0.008 χ^2/NDF:2281979.0/30

Out: 45.023+/-0.008 χ^2/NDF:2439338.7/32

All: 44.876+/-0.006 χ^2/NDF: 4721977.6/63



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.018+/-0.014 χ^2/NDF:18.0/14

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.014 χ^2/NDF:20.8/14

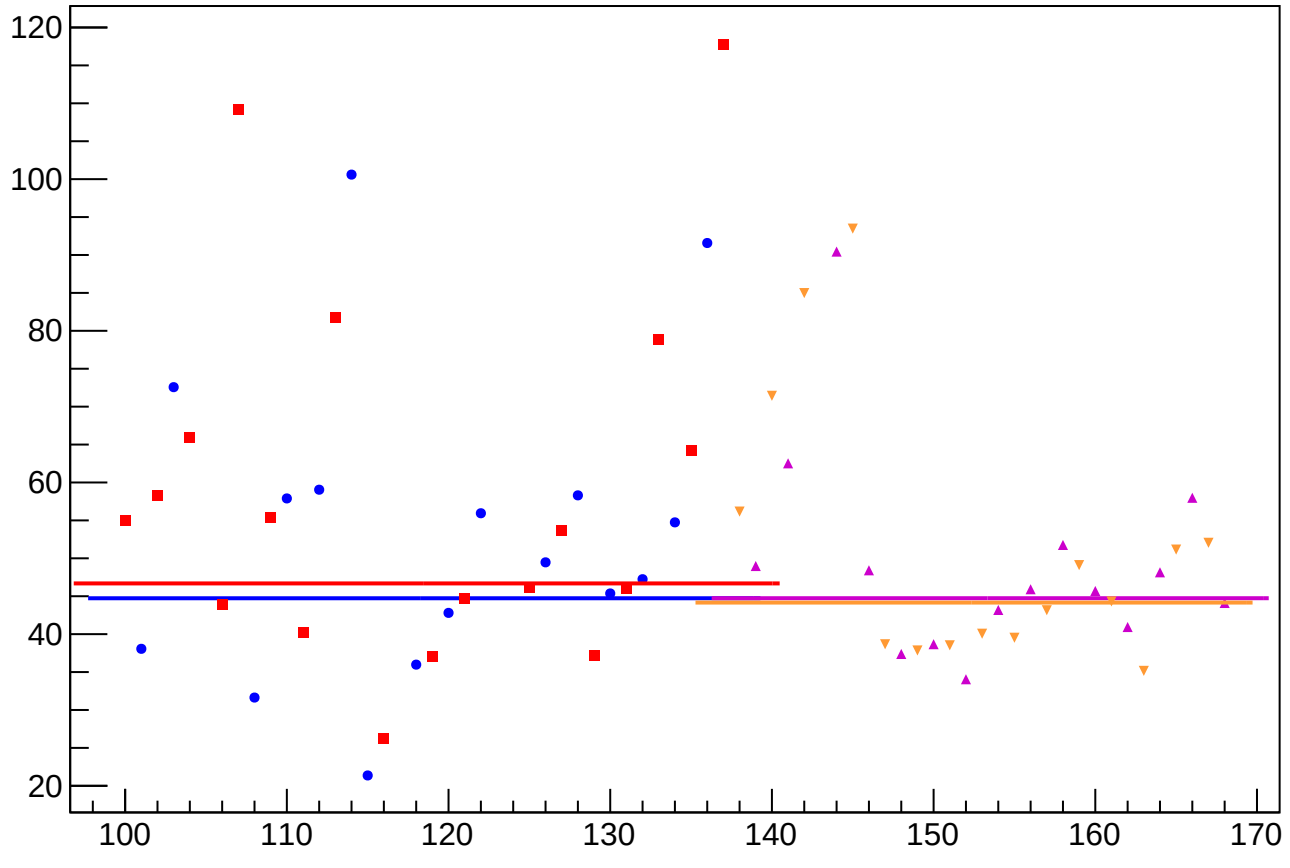
Left: -0.015+/-0.010 χ^2/NDF: 38.9/29

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

In: -0.017+/-0.011 χ^2/NDF:38.7/30

Out: -0.014+/-0.011 χ^2/NDF:54.8/32

All: -0.016+/-0.008 χ^2/NDF: 93.6/63



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.165+/-0.010 χ^2/NDF:1221455.7/14

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.738+/-0.010 χ^2/NDF:947374.8/14

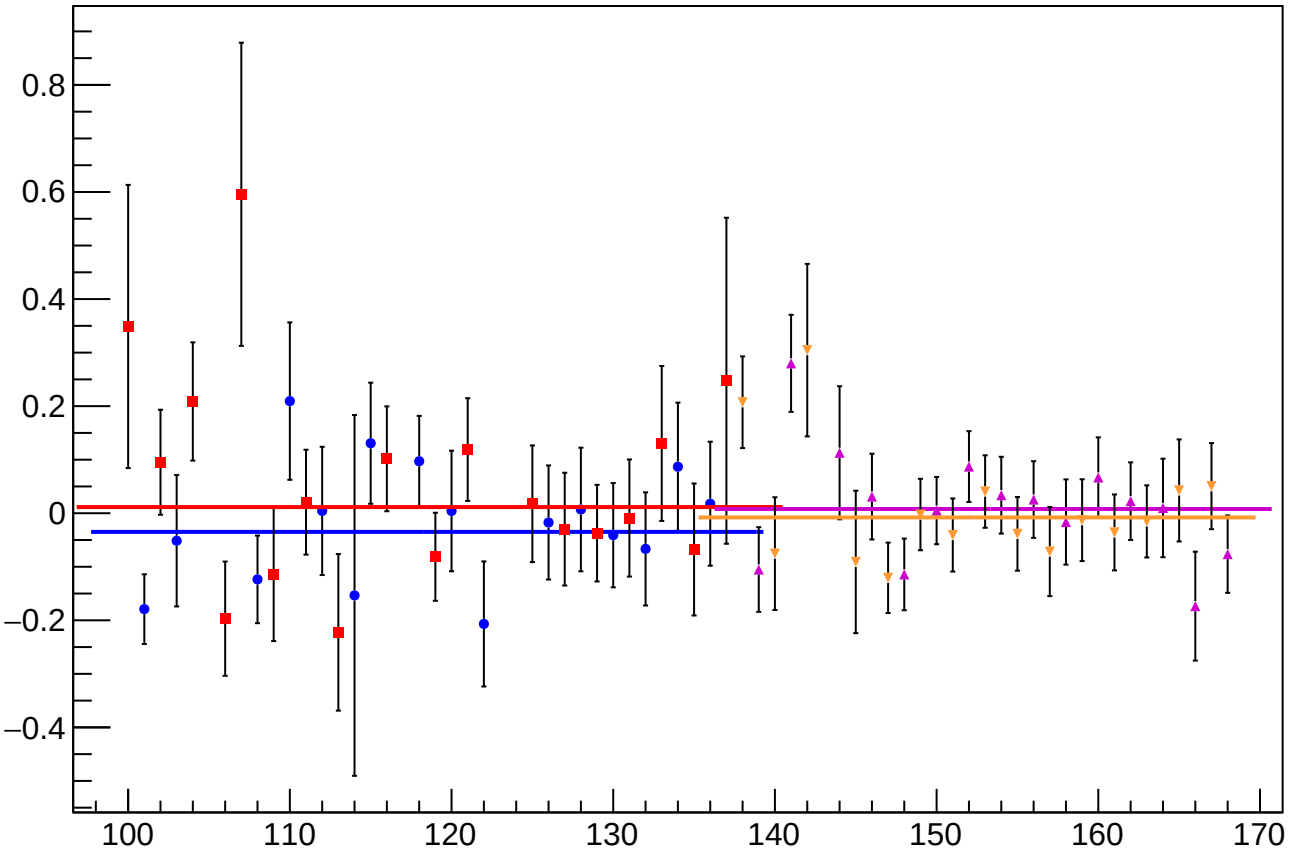
Left: 44.457+/-0.007 χ^2/NDF: 2170560.9/29

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

In: 44.736+/-0.008 χ^2/NDF:2281979.0/30

Out: 45.023+/-0.008 χ^2/NDF:2439338.7/32

All: 44.876+/-0.006 χ^2/NDF: 4721977.6/63



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.008+/-0.020 χ^2/NDF:16.3/14

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.008+/-0.020 χ^2/NDF:22.1/14

Left: 0.000+/-0.014 χ^2/NDF: 38.7/29

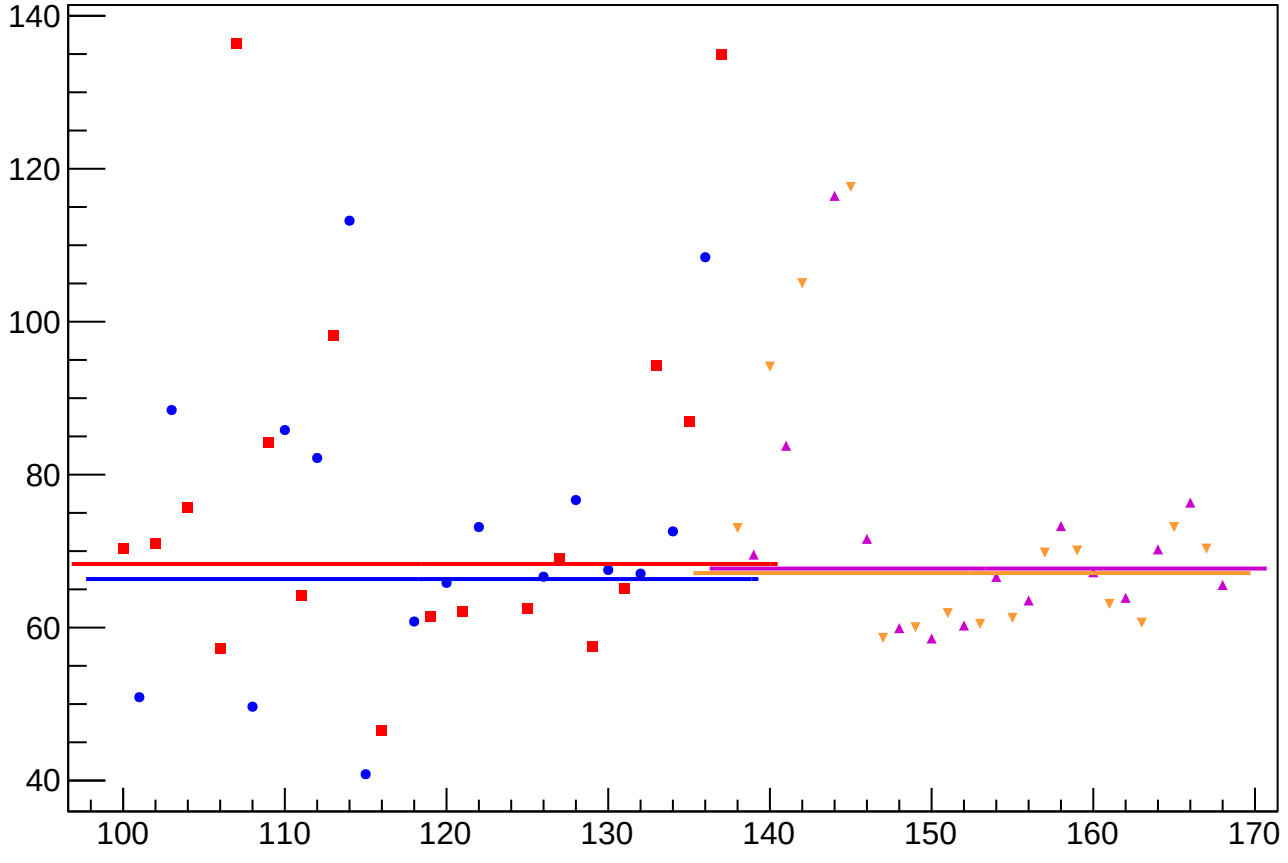
Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.008+/-0.016 χ^2/NDF:41.2/30

Out: -0.001+/-0.016 χ^2/NDF:39.4/32

All: -0.004+/-0.011 χ^2/NDF: 80.7/63

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.131+/-0.014 χ^2/NDF:682416.0/14

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.722+/-0.014 χ^2/NDF:511024.4/14

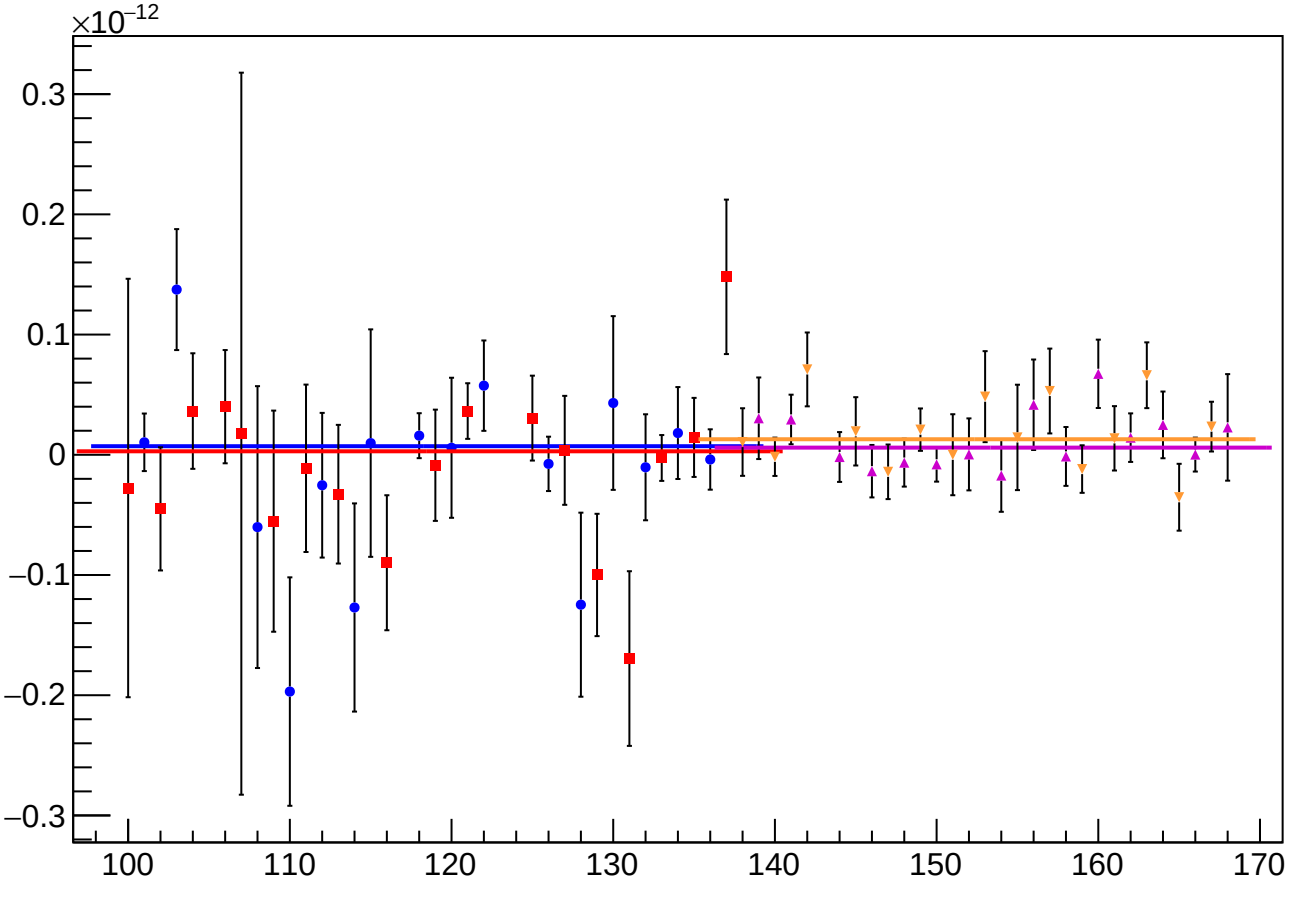
Left: 67.433+/-0.010 χ^2/NDF: 1194306.0/29

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

In: 67.222+/-0.011 χ^2/NDF:1287164.3/30

Out: 67.563+/-0.011 χ^2/NDF:1314575.9/32

All: 67.389+/-0.008 χ^2/NDF: 2602194.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/14

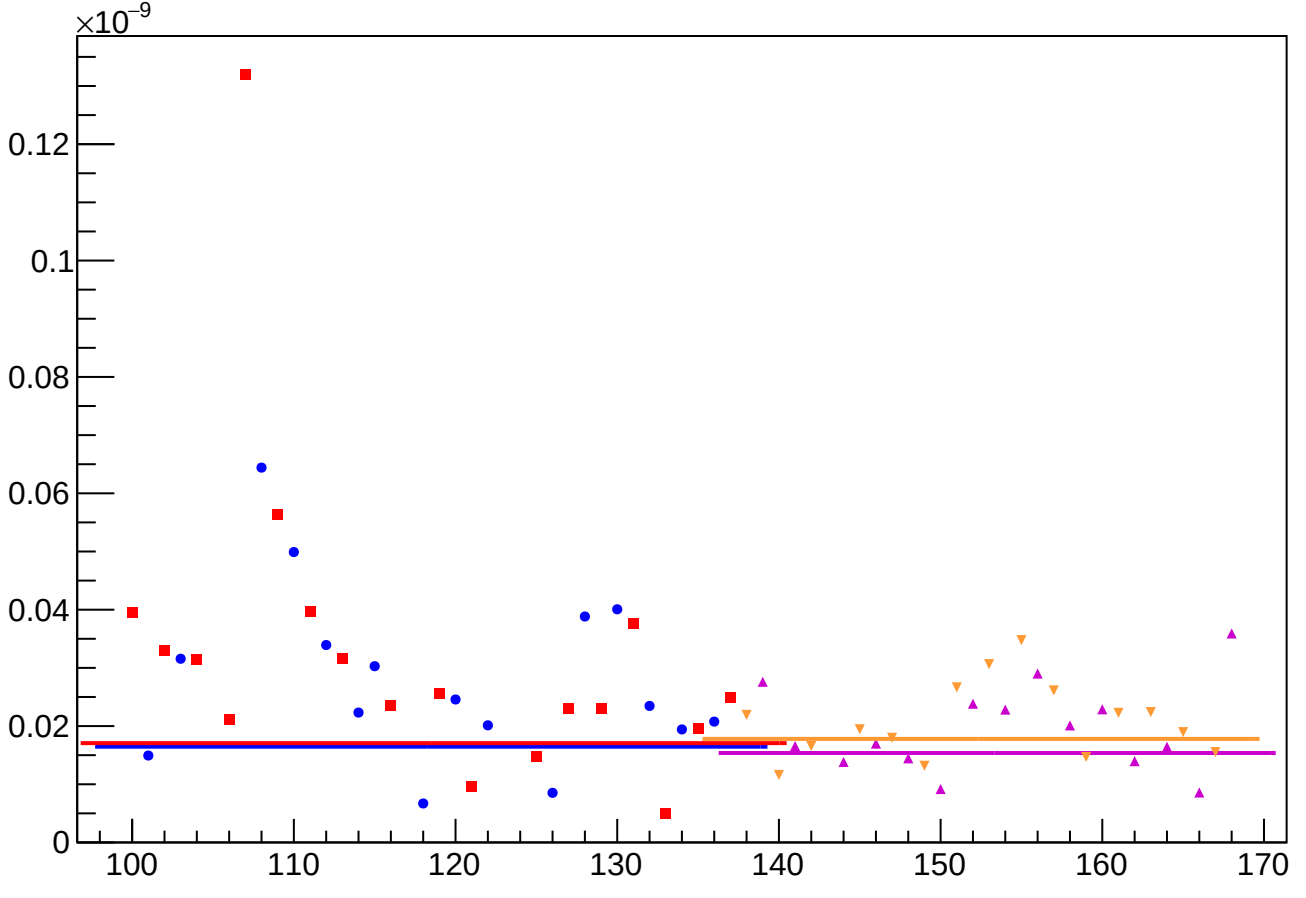
Left: 0.000+/-0.000 χ^2/NDF: 29.0/29

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.8/30

Out: 0.000+/-0.000 χ^2/NDF:41.1/32

All: 0.000+/-0.000 χ^2/NDF: 73.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1461511.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2329250.0/14

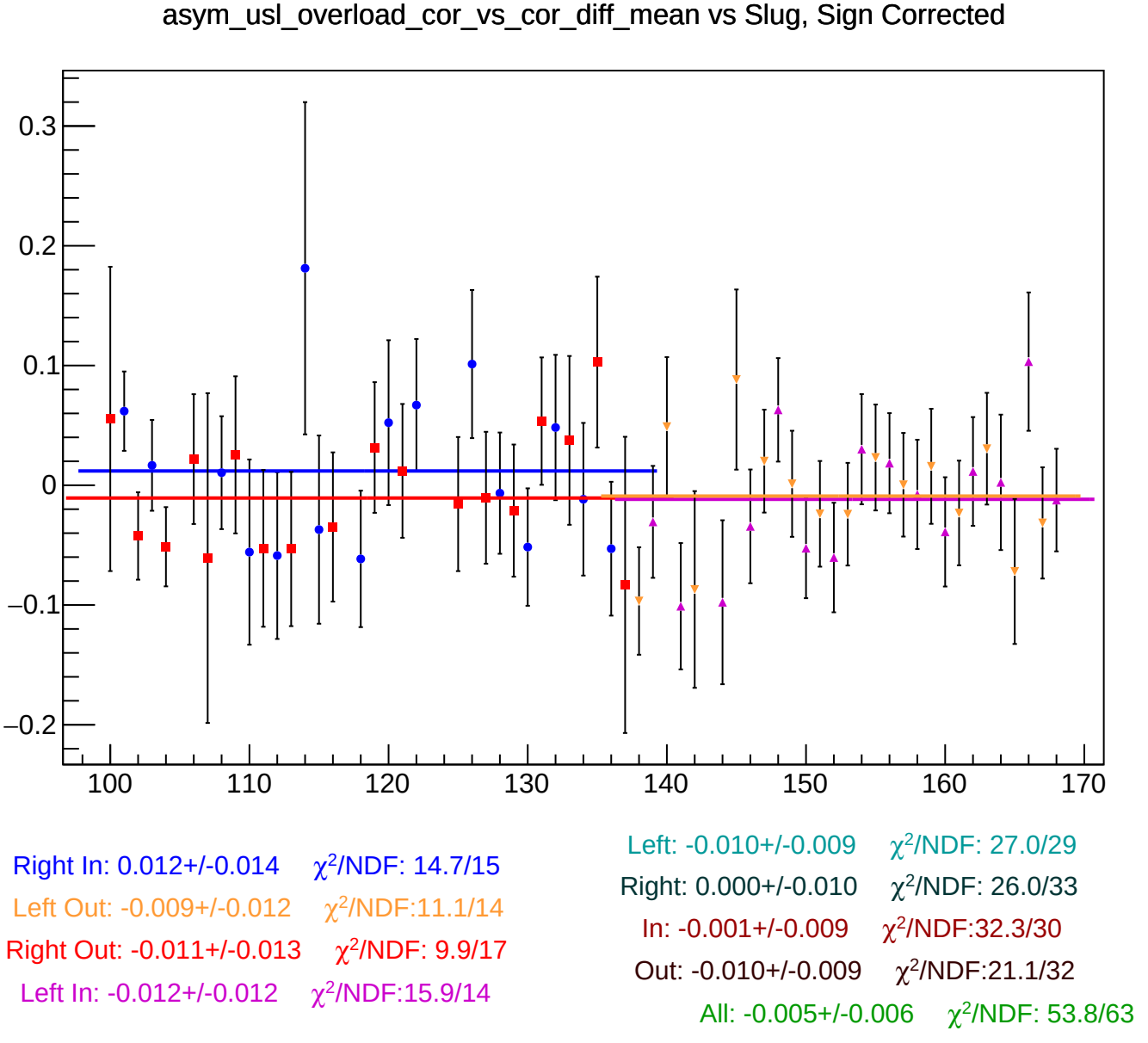
Left: 0.000+/-0.000 χ^2/NDF: 3949815.6/29

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

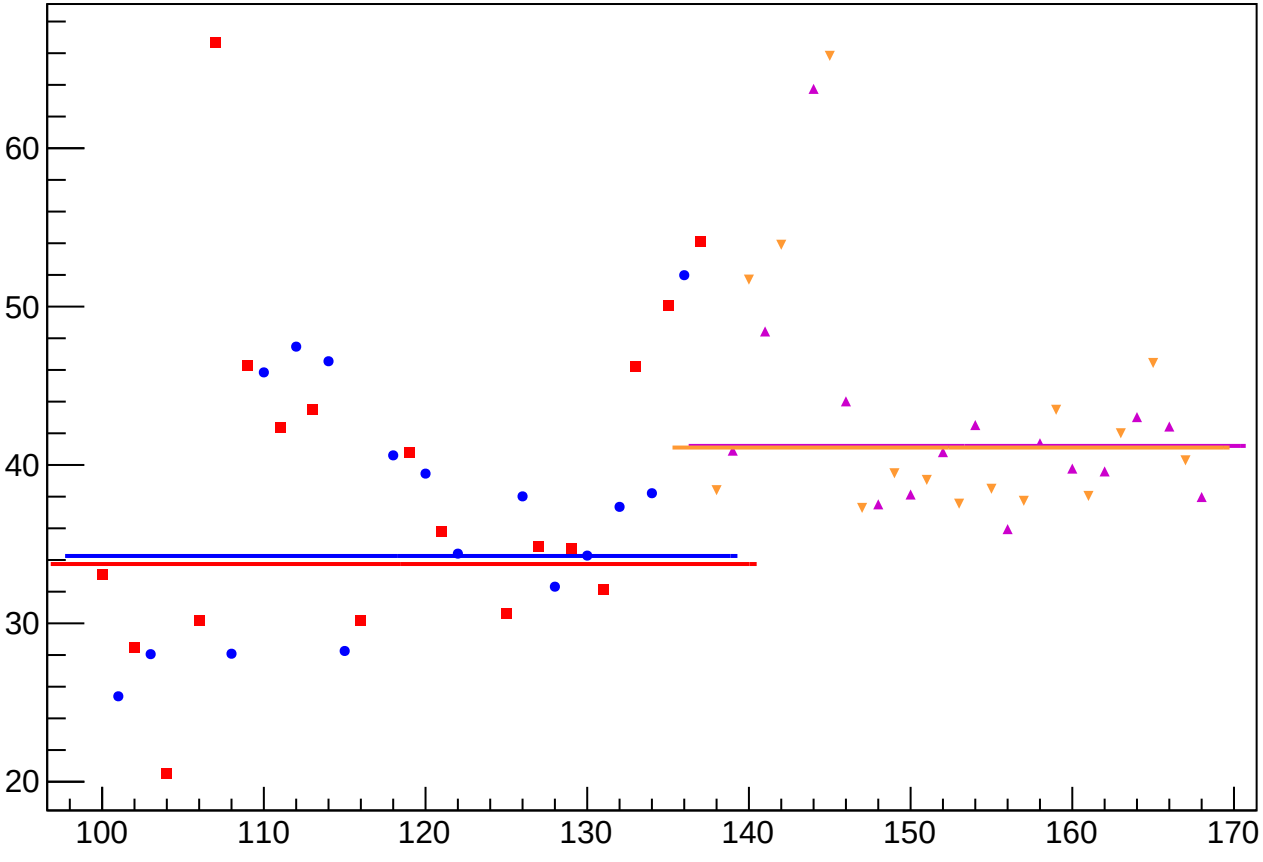
In: 0.000+/-0.000 χ^2/NDF:4695333.5/30

Out: 0.000+/-0.000 χ^2/NDF:4260618.4/32

All: 0.000+/-0.000 χ^2/NDF: 9093706.1/63


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.009+/-0.012 χ²/NDF:11.1/14
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.012+/-0.012 χ²/NDF:15.9/14
Left: -0.010+/-0.009 χ²/NDF: 27.0/29
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:32.3/30
Out: -0.010+/-0.009 χ²/NDF:21.1/32
All: -0.005+/-0.006 χ²/NDF: 53.8/63

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.100+/-0.009 χ^2/NDF:425617.6/14

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.203+/-0.009 χ^2/NDF:339092.3/14

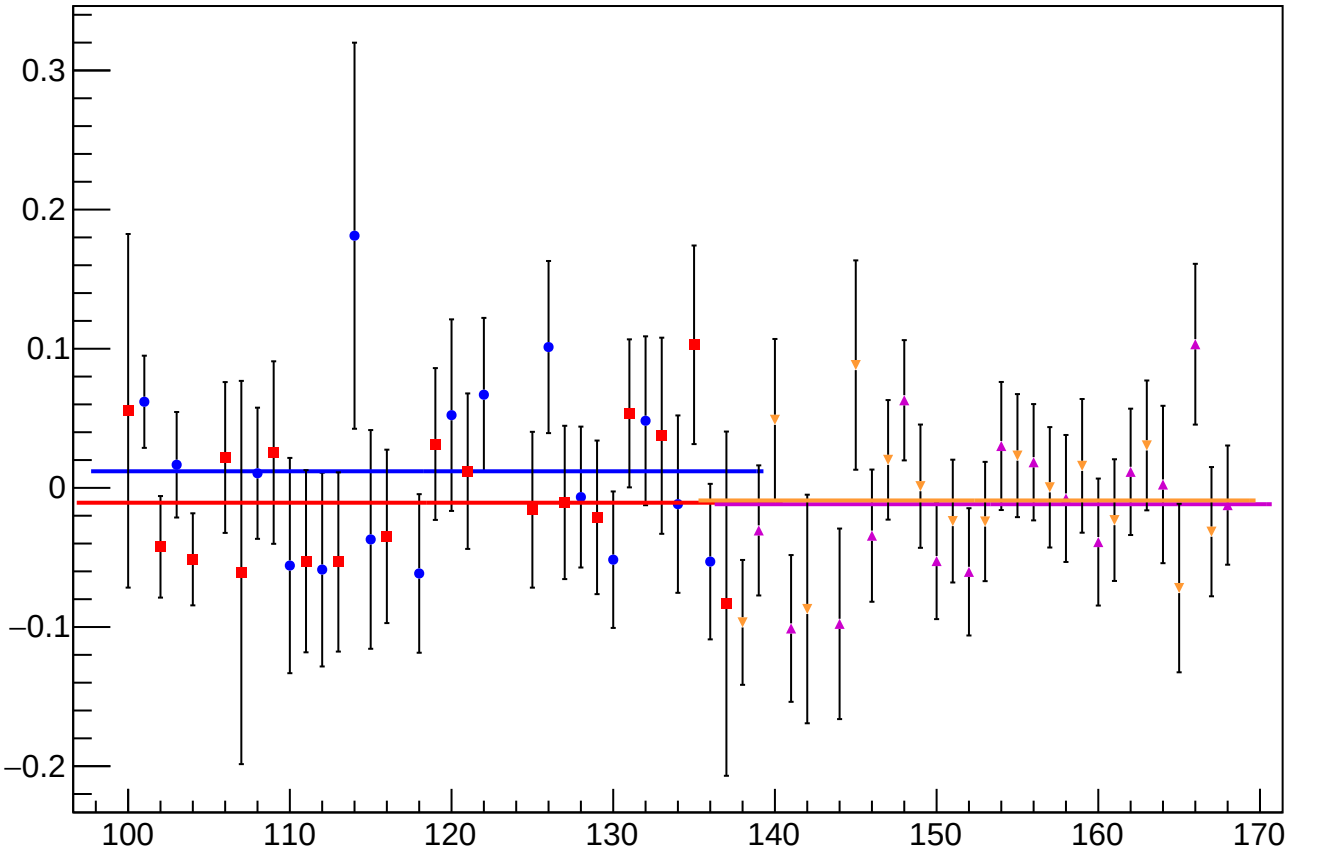
Left: 41.153+/-0.006 χ^2/NDF: 764779.8/29

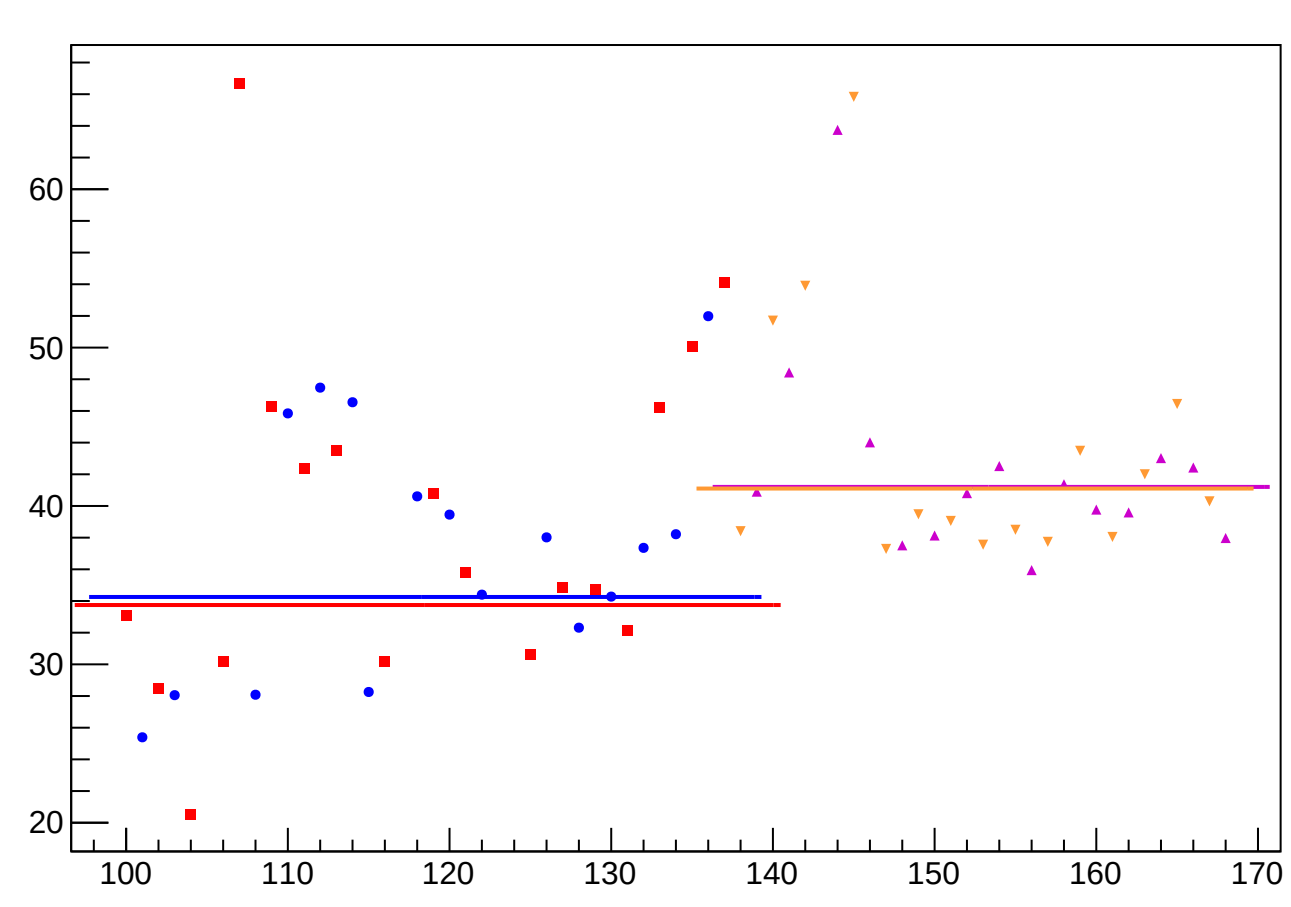
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.106+/-0.006 χ^2/NDF:1263943.3/30

Out: 37.697+/-0.006 χ^2/NDF:1659164.1/32

All: 37.903+/-0.005 χ^2/NDF: 2925115.8/63


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
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.009+/-0.012 χ²/NDF:11.1/14
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.012+/-0.012 χ²/NDF:15.9/14
Left: -0.010+/-0.009 χ²/NDF: 27.0/29
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:32.3/30
Out: -0.010+/-0.009 χ²/NDF:21.1/32
All: -0.005+/-0.006 χ²/NDF: 53.8/63



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.100+/-0.009 χ^2/NDF:425617.6/14

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.203+/-0.009 χ^2/NDF:339092.3/14

Left: 41.153+/-0.006 χ^2/NDF: 764779.8/29

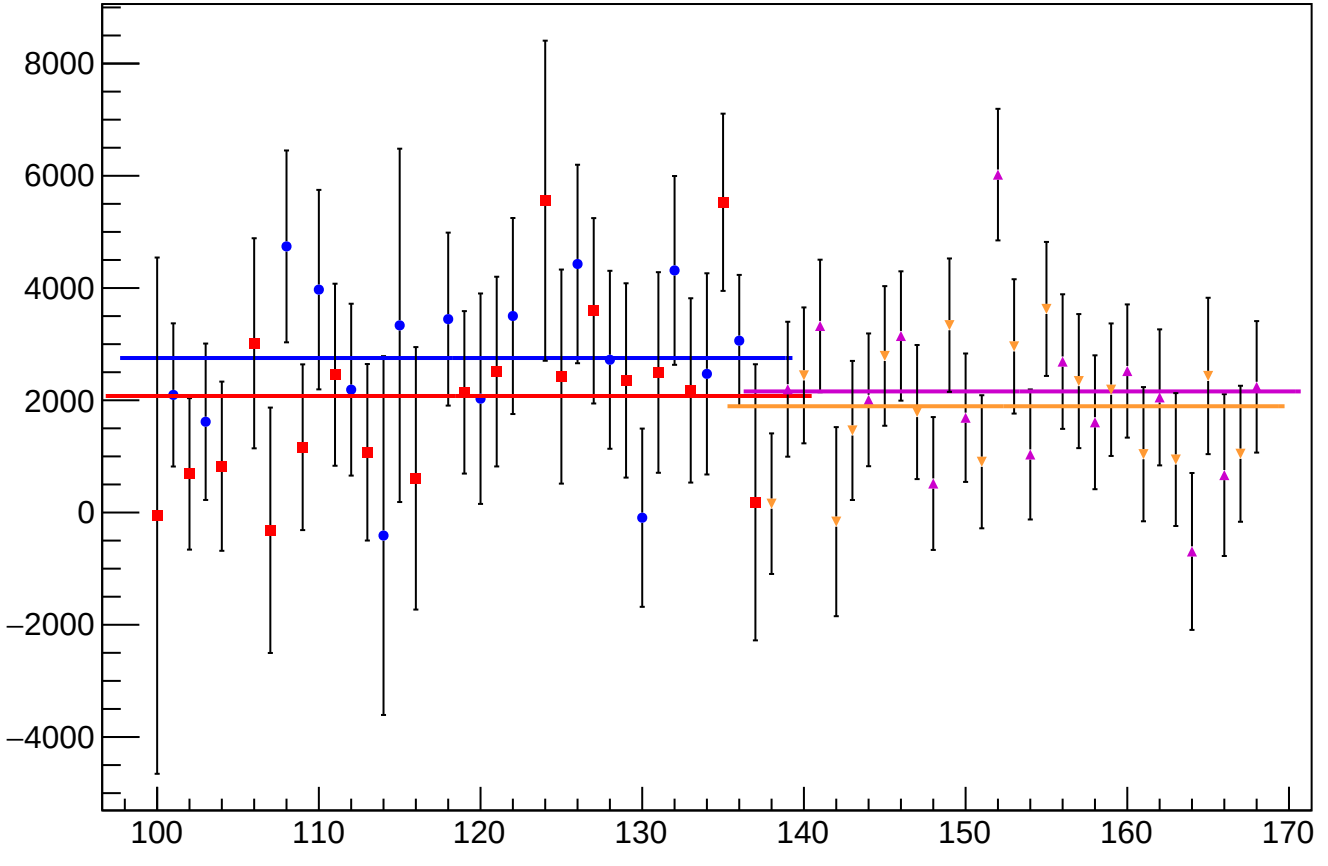
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.106+/-0.006 χ^2/NDF:1263943.3/30

Out: 37.697+/-0.006 χ^2/NDF:1659164.1/32

All: 37.903+/-0.005 χ^2/NDF: 2925115.8/63

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2157.874+/-311.018 χ^2/NDF:21.4/14

Left: 2024.702+/-218.980 χ^2/NDF: 33.1/30

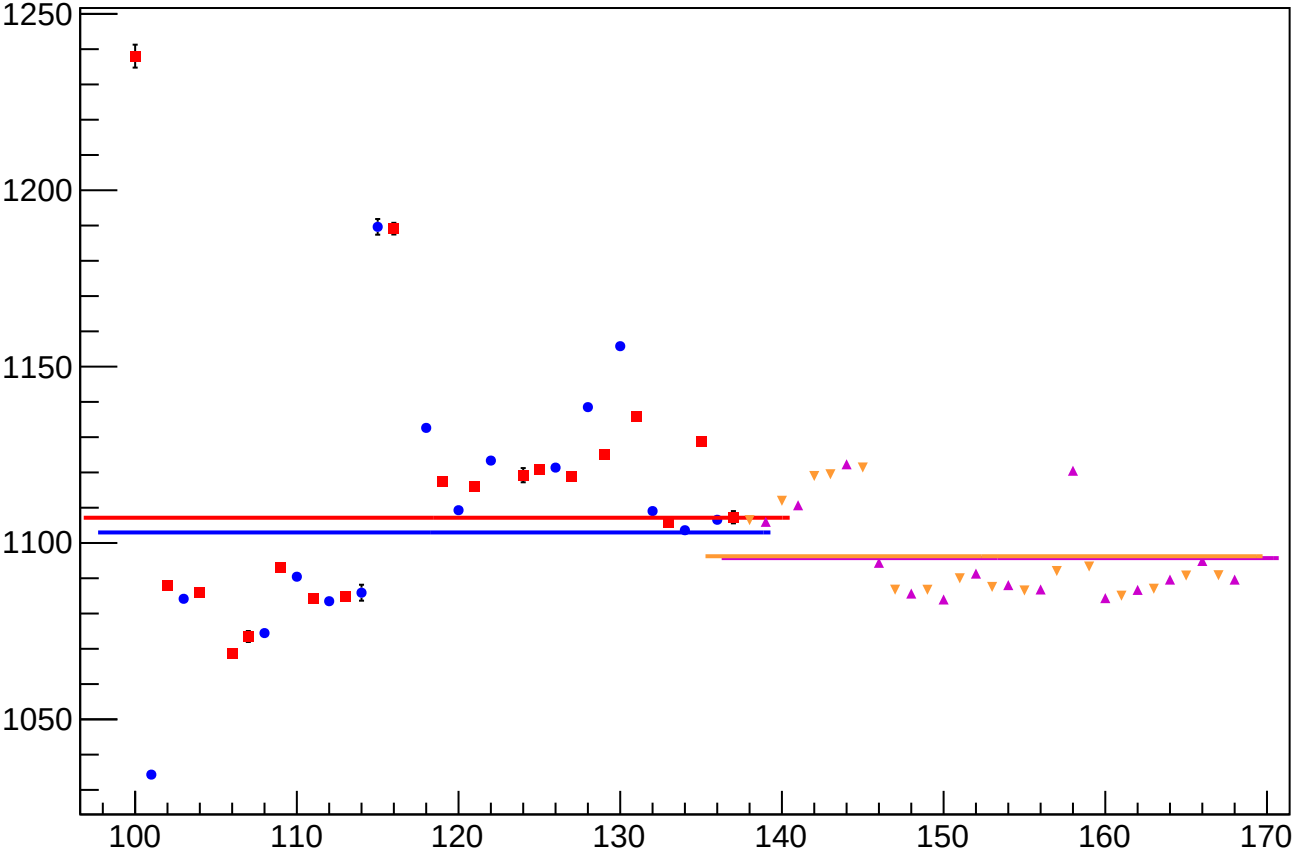
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2375.404+/-247.754 χ^2/NDF:32.2/30

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2165.992+/-174.234 χ^2/NDF: 57.6/65

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

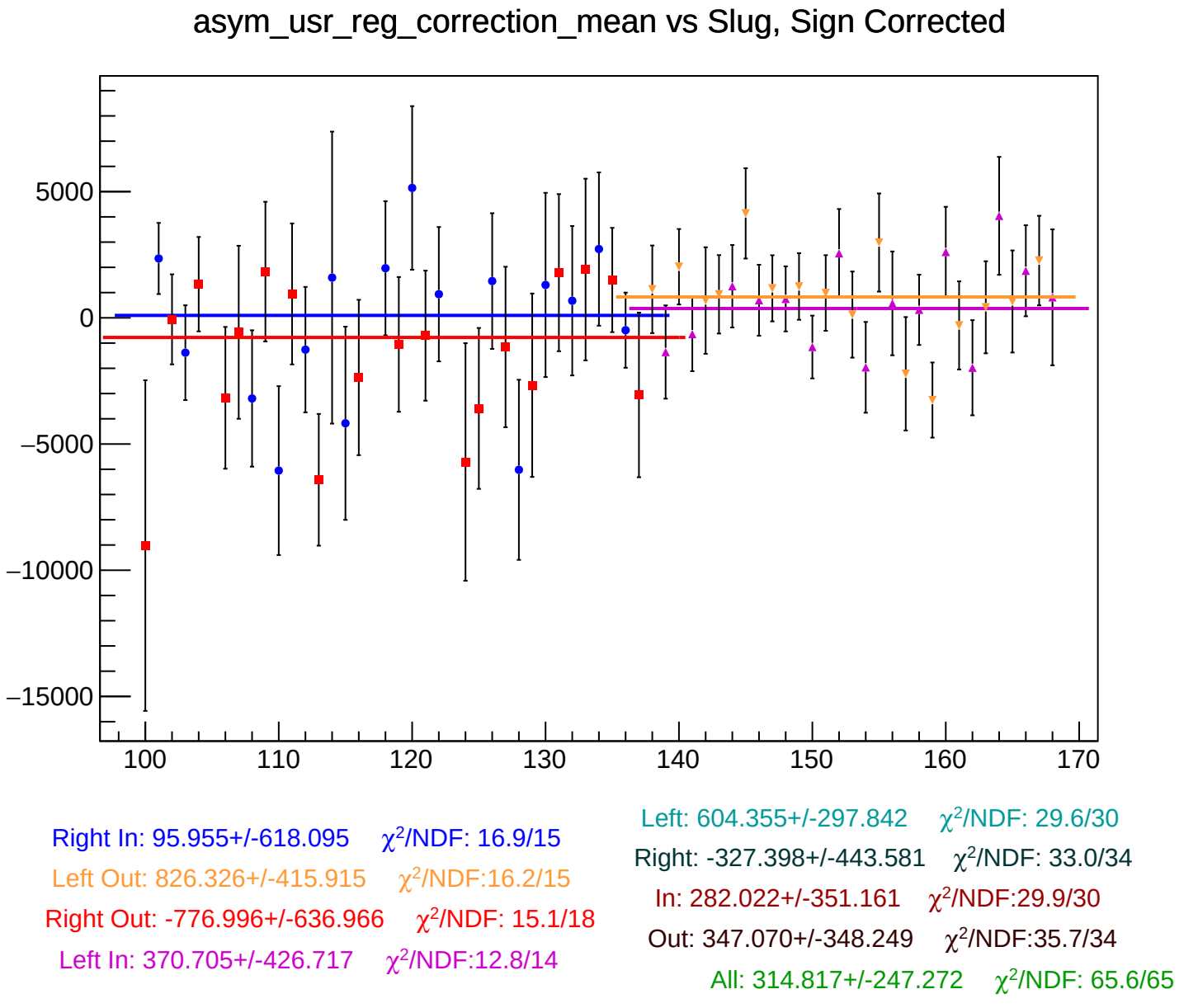
Left: 1095.980+/-0.155 χ^2/NDF: 6621.1/30

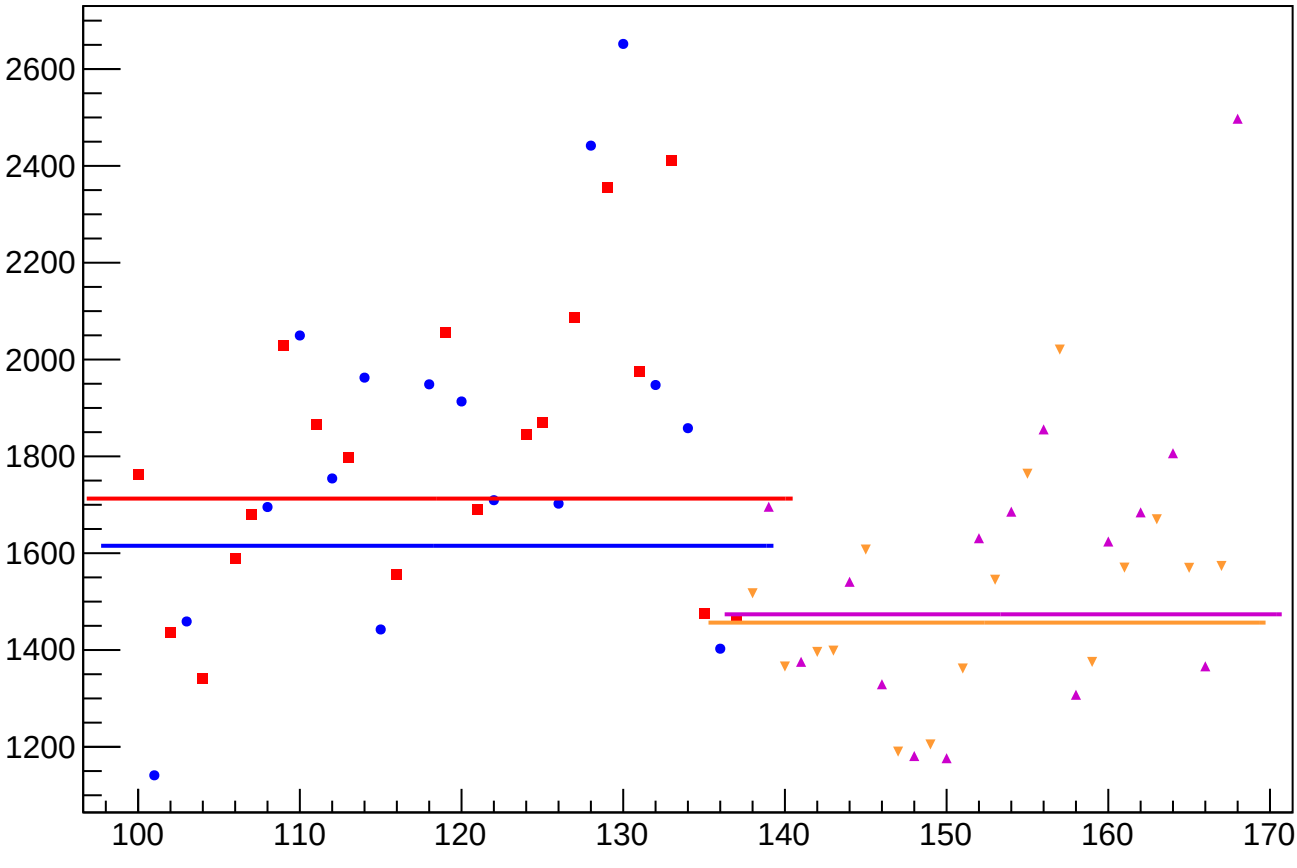
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.371+/-0.175 χ^2/NDF:16934.7/30

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 826.326+/-415.915 χ²/NDF:16.2/15
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 370.705+/-426.717 χ²/NDF:12.8/14
Left: 604.355+/-297.842 χ²/NDF: 29.6/30
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 282.022+/-351.161 χ²/NDF:29.9/30
Out: 347.070+/-348.249 χ²/NDF:35.7/34
All: 314.817+/-247.272 χ²/NDF: 65.6/65



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

Left: 1464.974+/-0.211 χ^2/NDF: 1228428.8/30

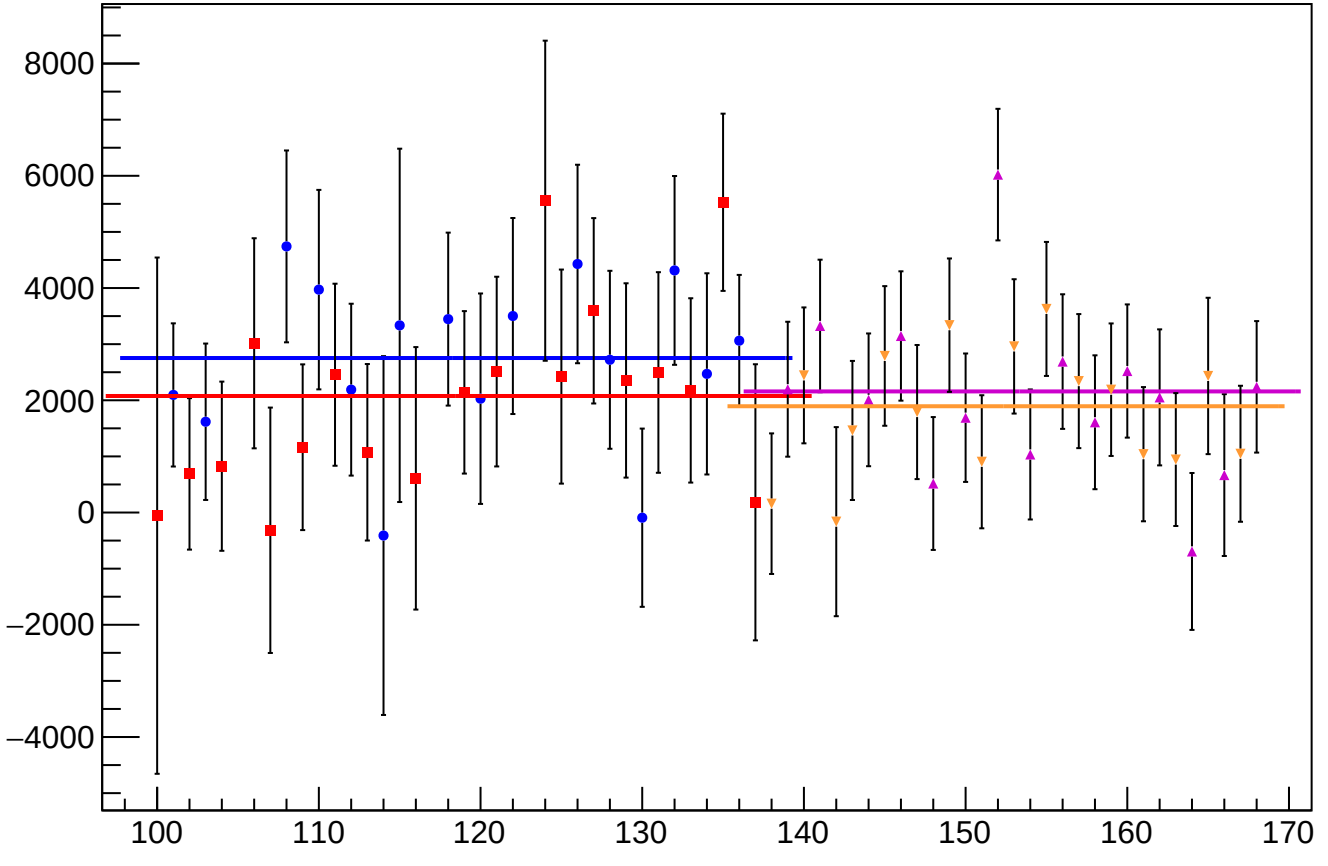
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1519.457+/-0.248 χ^2/NDF:1561310.6/30

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2157.874+/-311.018 χ^2/NDF:21.4/14

Left: 2024.702+/-218.980 χ^2/NDF: 33.1/30

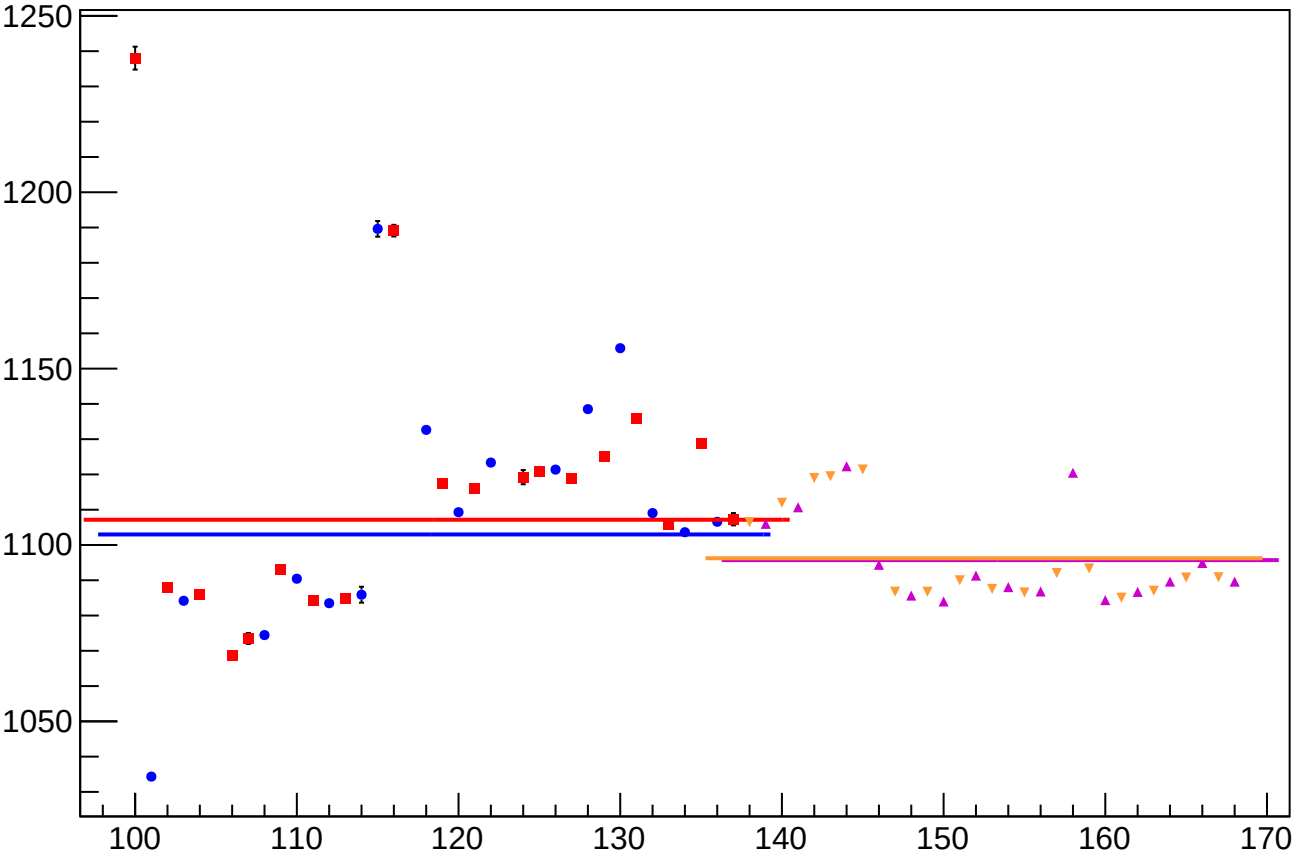
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2375.404+/-247.754 χ^2/NDF:32.2/30

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2165.992+/-174.234 χ^2/NDF: 57.6/65

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

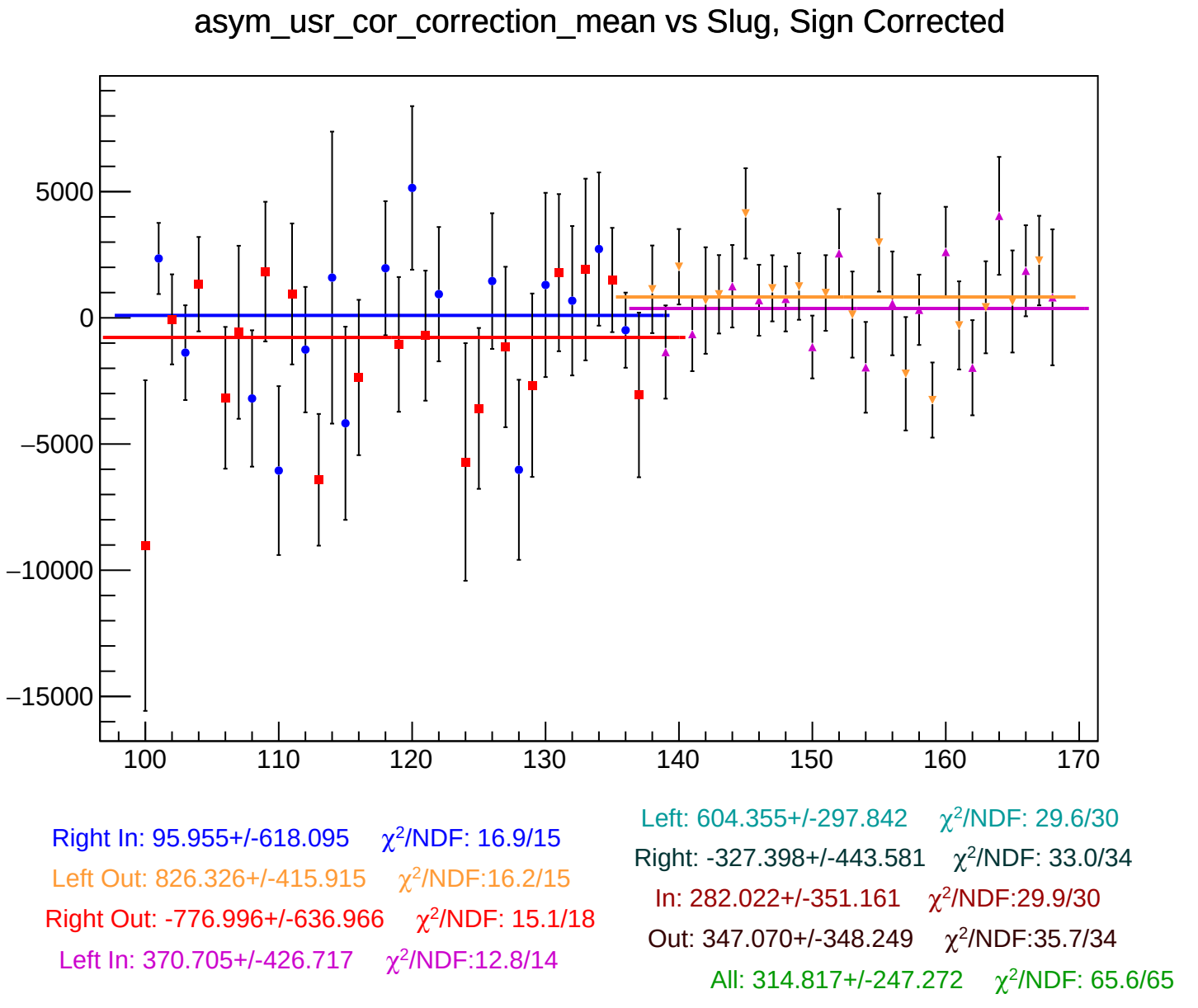
Left: 1095.980+/-0.155 χ^2/NDF: 6621.1/30

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

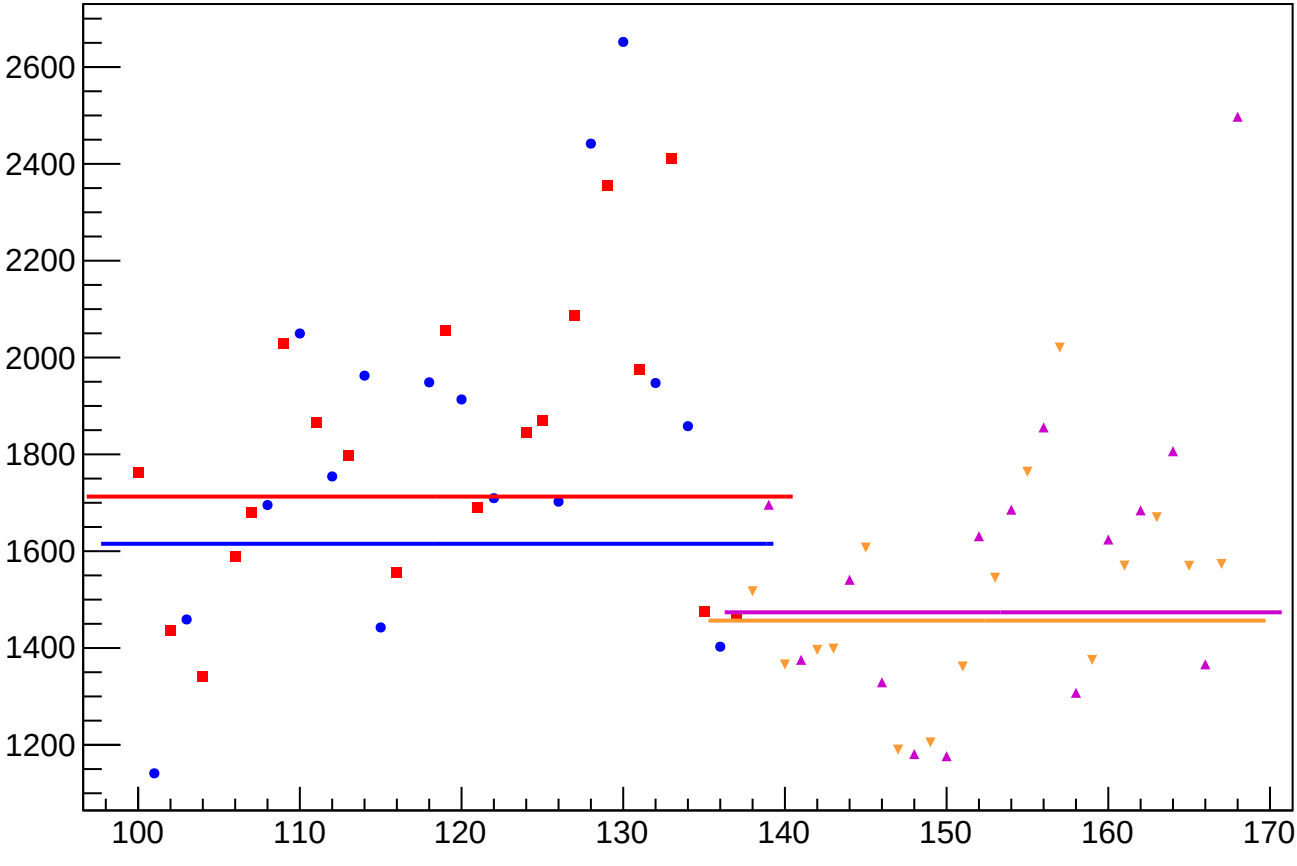
In: 1098.371+/-0.175 χ^2/NDF:16934.7/30

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 826.326+/-415.915 χ²/NDF:16.2/15
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 370.705+/-426.717 χ²/NDF:12.8/14
Left: 604.355+/-297.842 χ²/NDF: 29.6/30
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 282.022+/-351.161 χ²/NDF:29.9/30
Out: 347.070+/-348.249 χ²/NDF:35.7/34
All: 314.817+/-247.272 χ²/NDF: 65.6/65

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

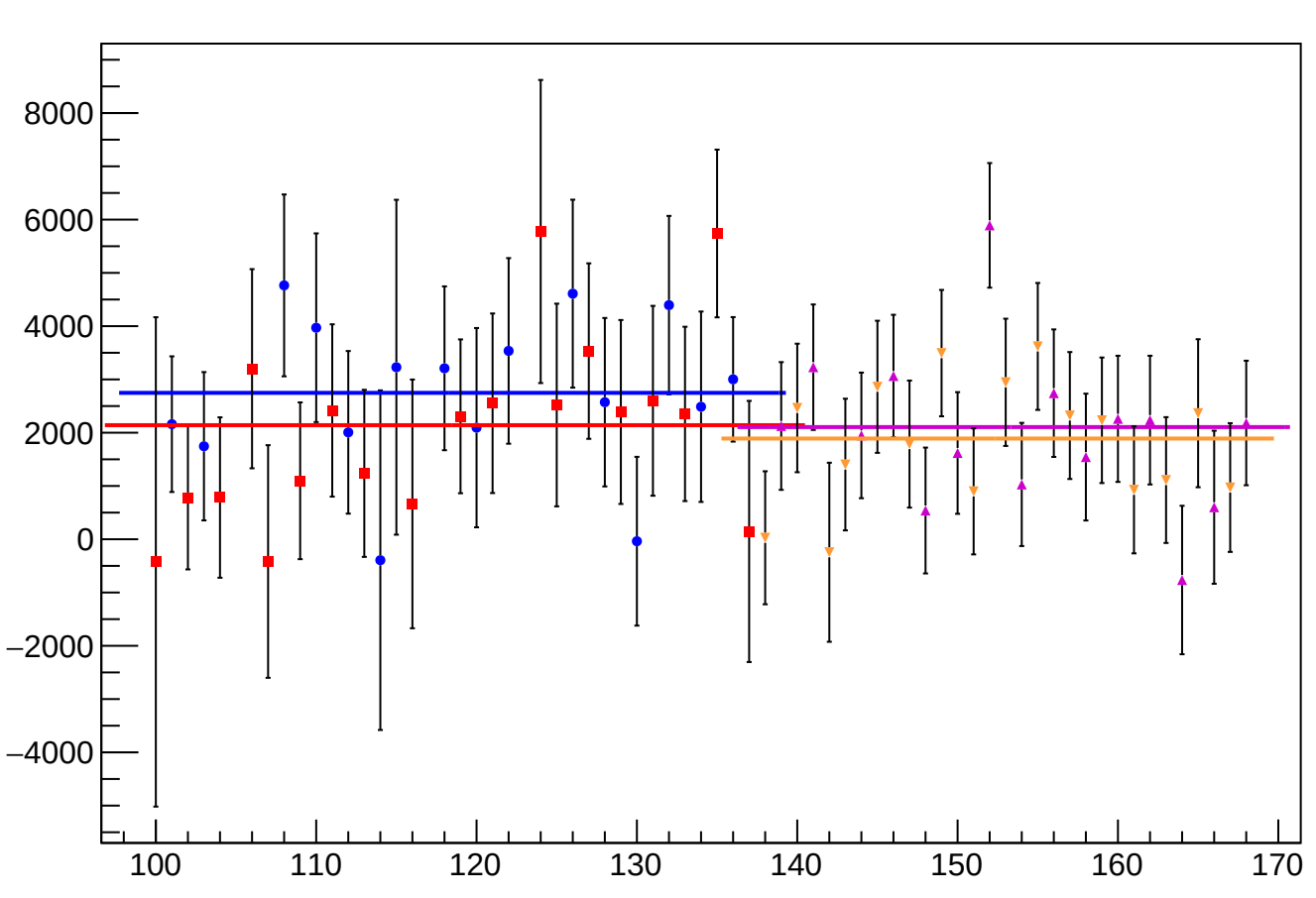
Left: 1464.974+/-0.211 χ^2/NDF: 1228428.8/30

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

In: 1519.457+/-0.248 χ^2/NDF:1561310.6/30

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65



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

Left Out: 1890.454+/-307.559 χ^2/NDF:12.3/15

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

Left In: 2105.551+/-310.227 χ^2/NDF:20.8/14

Left: 1997.074+/-218.414 χ^2/NDF: 33.3/30

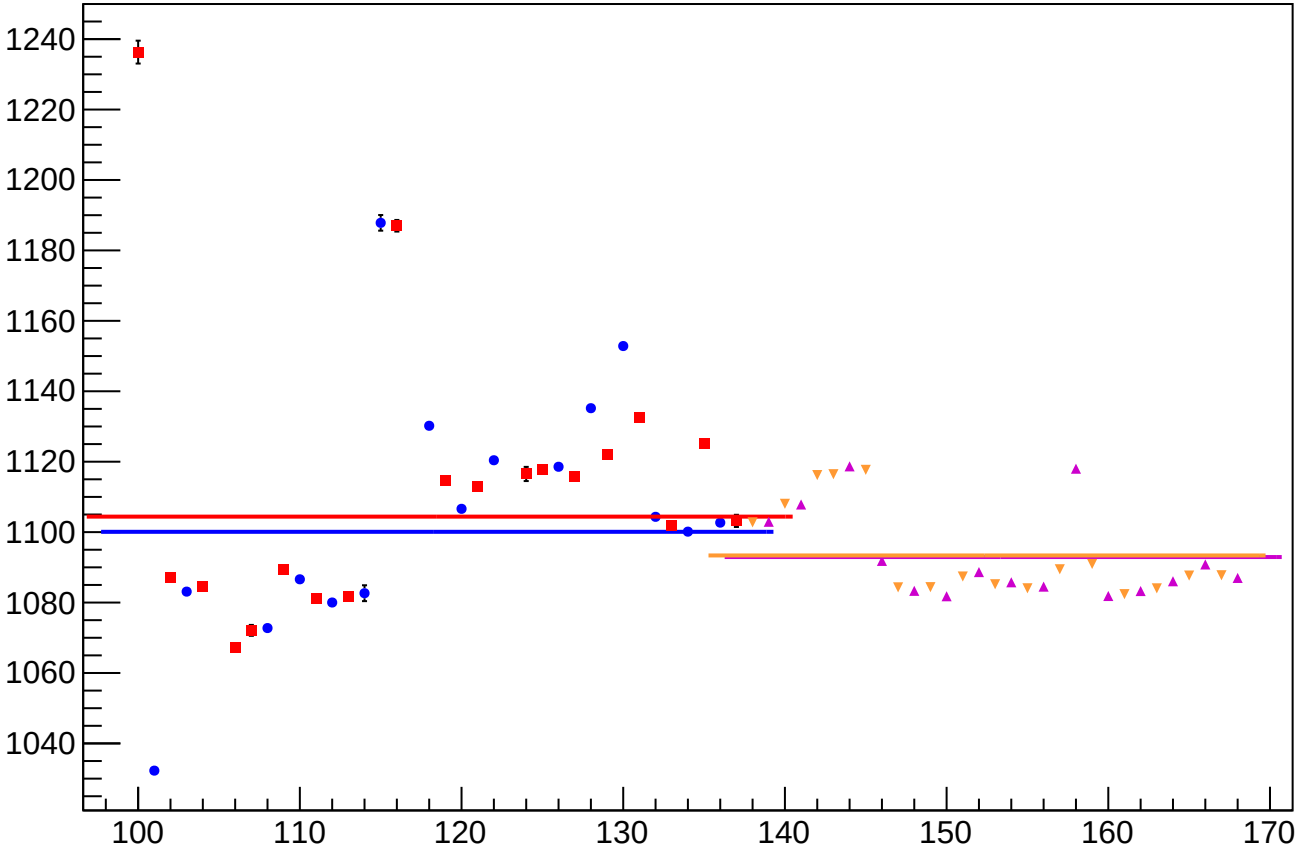
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2340.332+/-247.116 χ^2/NDF:31.9/30

Out: 1982.794+/-244.445 χ^2/NDF:26.1/34

All: 2159.621+/-173.786 χ^2/NDF: 59.0/65

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.377+/-0.217 χ^2/NDF:3144.0/15

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1092.925+/-0.219 χ^2/NDF:3236.7/14

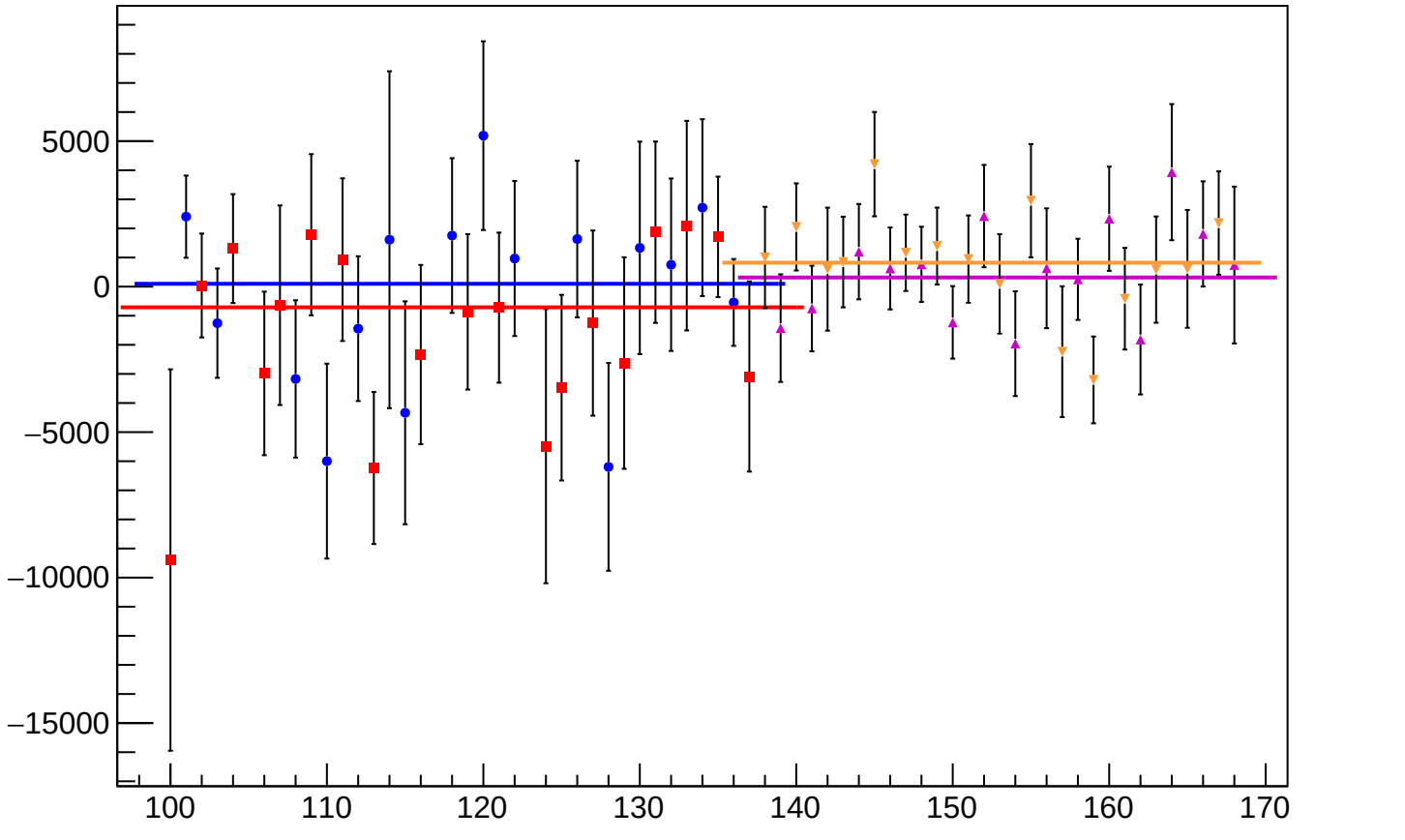
Left: 1093.153+/-0.154 χ^2/NDF: 6382.9/30

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

In: 1095.544+/-0.175 χ^2/NDF:16703.8/30

Out: 1097.438+/-0.173 χ^2/NDF:12634.3/34

All: 1096.501+/-0.123 χ^2/NDF: 29397.5/65



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 822.614+/-416.560 χ^2/NDF:16.2/15

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 313.540+/-427.351 χ^2/NDF:12.1/14

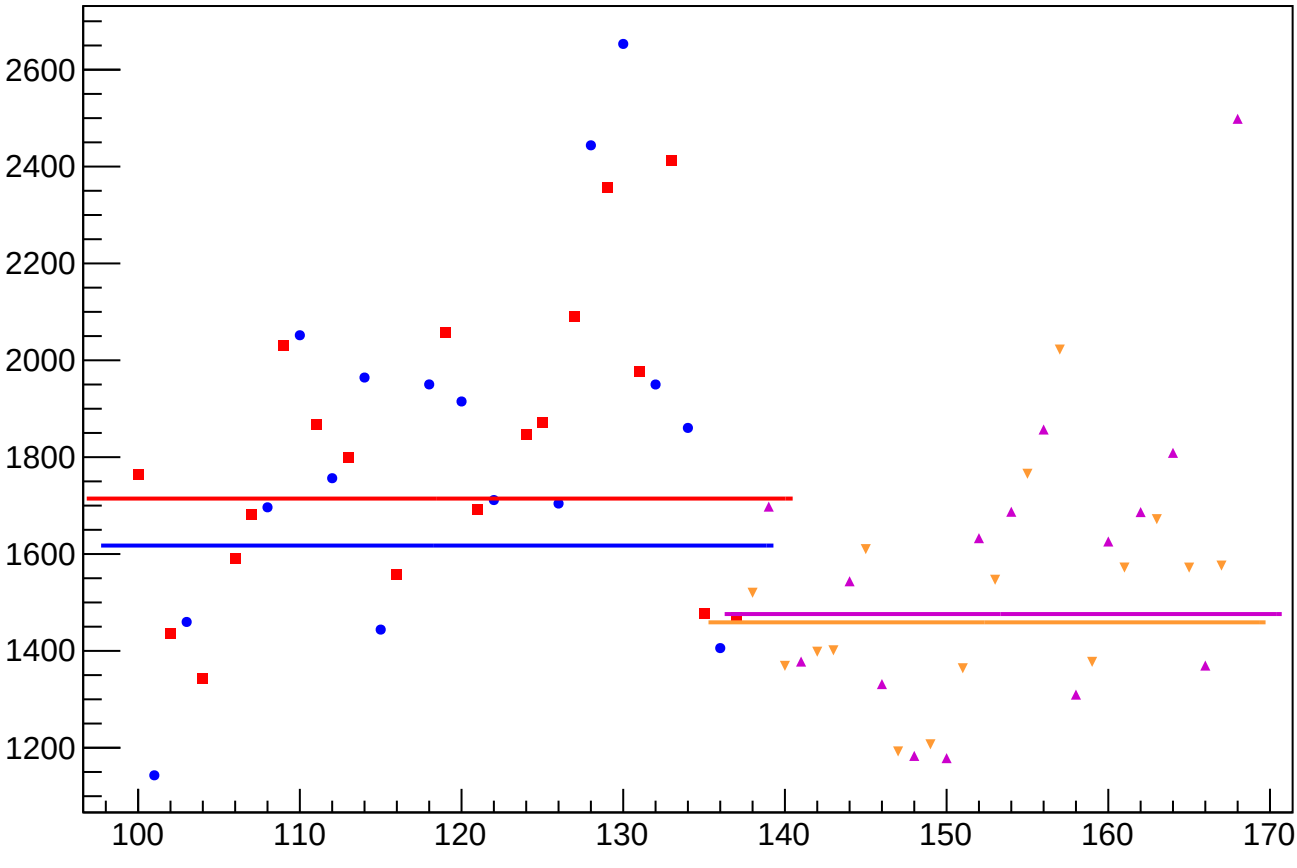
Left: 574.586+/-298.294 χ^2/NDF: 29.0/30

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

In: 243.766+/-351.657 χ^2/NDF:29.4/30

Out: 363.739+/-348.729 χ^2/NDF:35.2/34

All: 304.254+/-247.617 χ^2/NDF: 64.7/65



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1458.968+/-0.295 χ^2/NDF:428338.5/15

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1476.070+/-0.302 χ^2/NDF:793813.3/14

Left: 1467.300+/-0.211 χ^2/NDF: 1223794.0/30

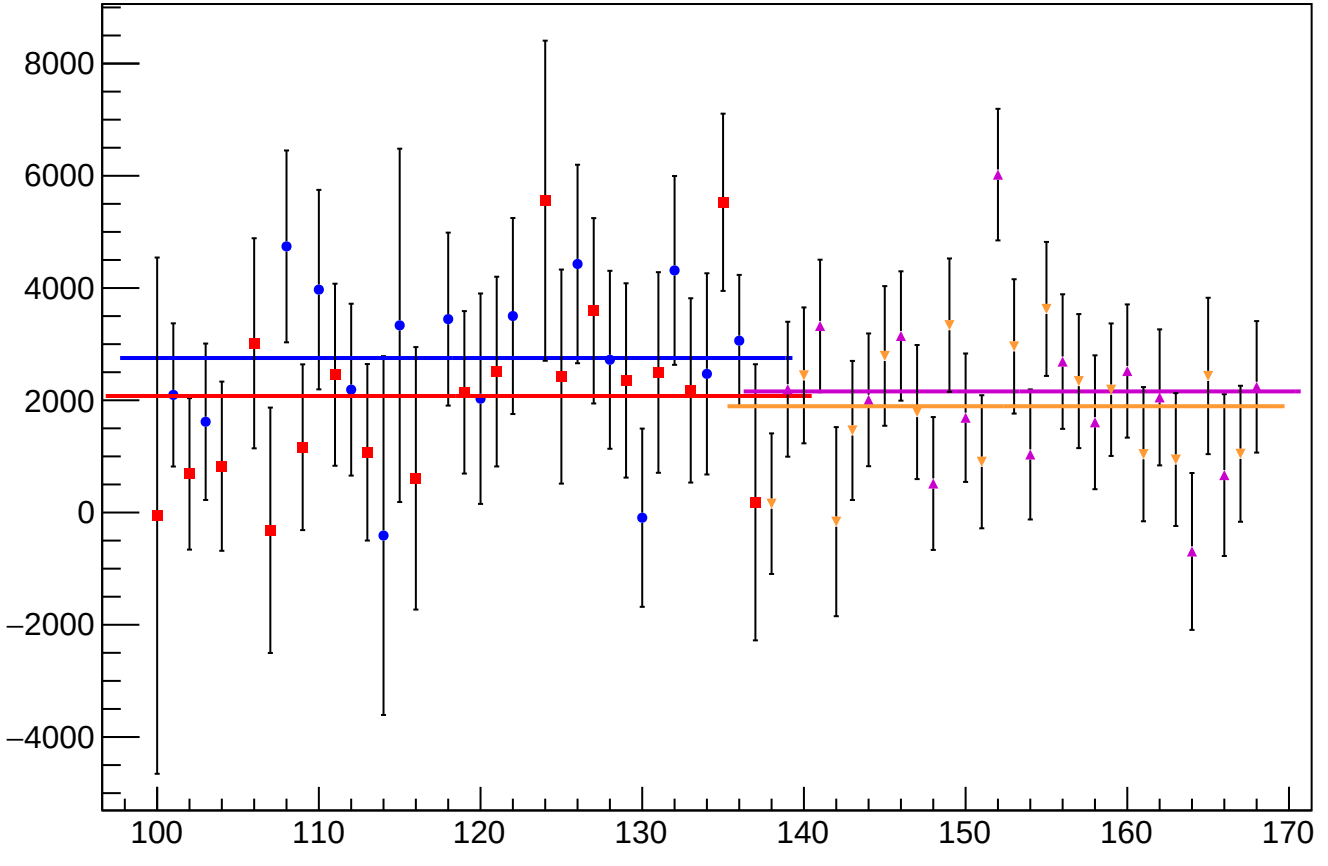
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1521.731+/-0.249 χ^2/NDF:1556255.5/30

Out: 1535.414+/-0.247 χ^2/NDF:1081206.4/34

All: 1528.630+/-0.175 χ^2/NDF: 2638988.8/65

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1893.791+/-308.367 χ^2/NDF:11.3/15

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2157.874+/-311.018 χ^2/NDF:21.4/14

Left: 2024.702+/-218.980 χ^2/NDF: 33.1/30

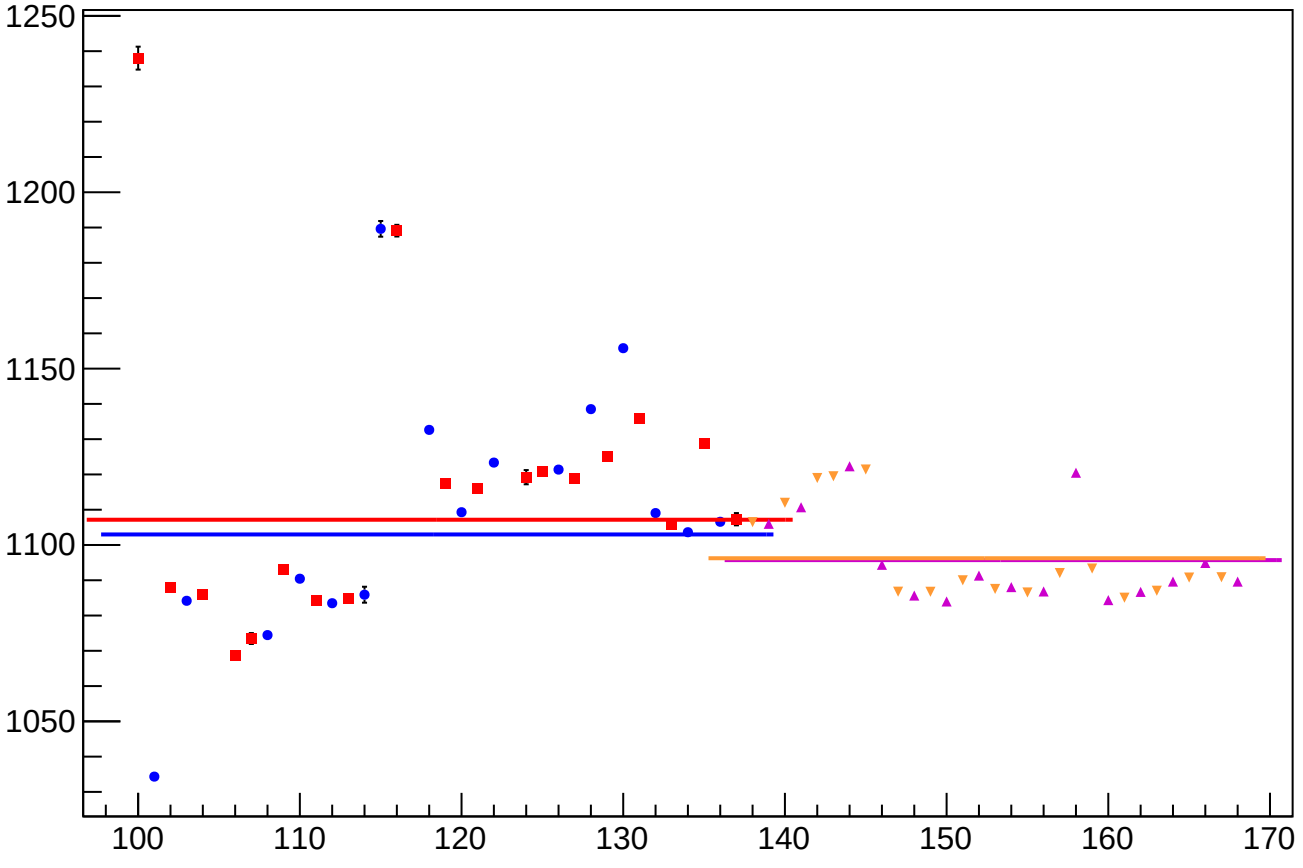
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2375.404+/-247.754 χ^2/NDF:32.2/30

Out: 1961.084+/-245.076 χ^2/NDF:24.0/34

All: 2165.992+/-174.234 χ^2/NDF: 57.6/65

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.243+/-0.218 χ^2/NDF:3307.2/15

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.712+/-0.220 χ^2/NDF:3311.0/14

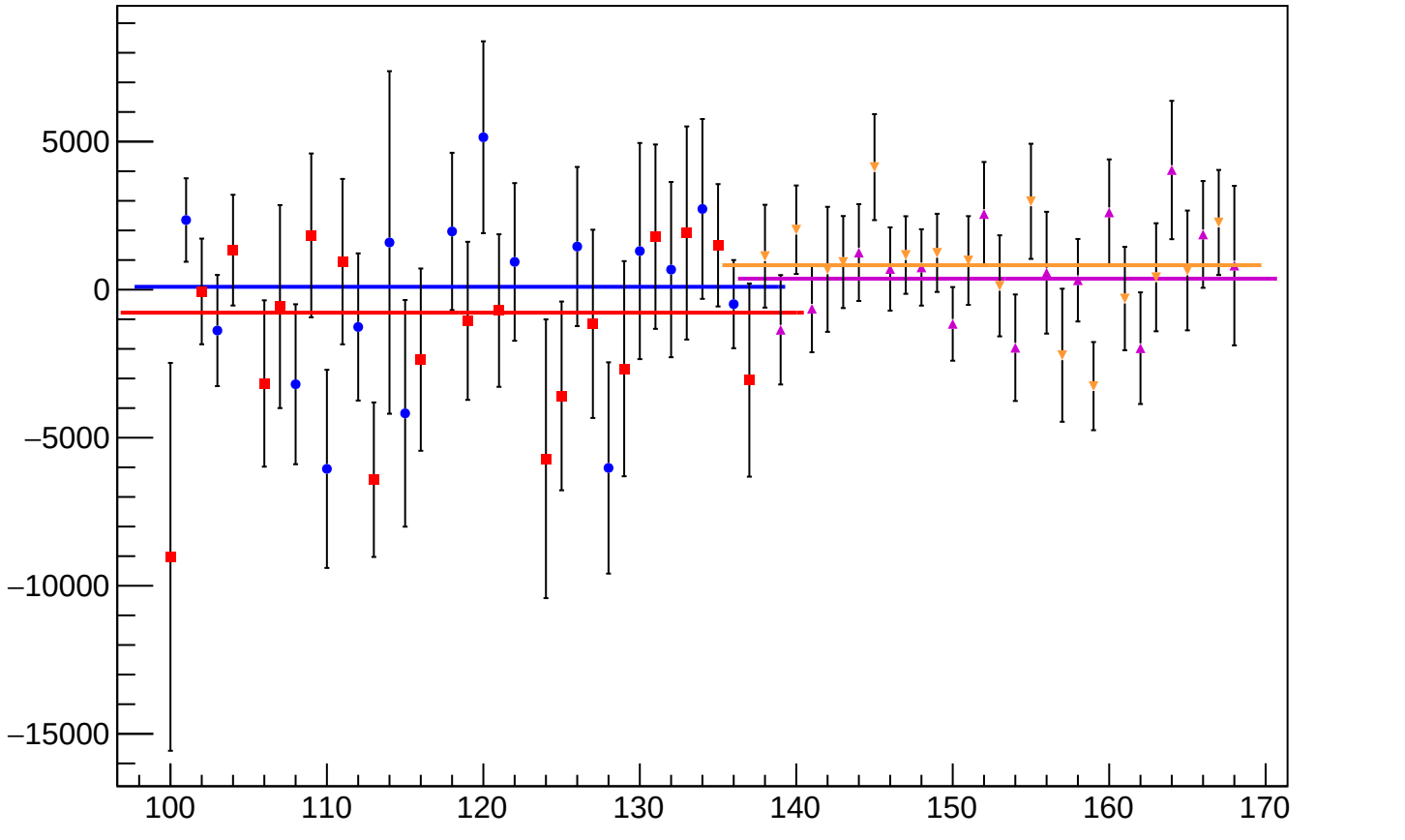
Left: 1095.980+/-0.155 χ^2/NDF: 6621.1/30

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

In: 1098.371+/-0.175 χ^2/NDF:16934.7/30

Out: 1100.264+/-0.173 χ^2/NDF:12913.8/34

All: 1099.328+/-0.123 χ^2/NDF: 29907.5/65



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 826.326+/-415.915 χ^2/NDF:16.2/15

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 370.705+/-426.717 χ^2/NDF:12.8/14

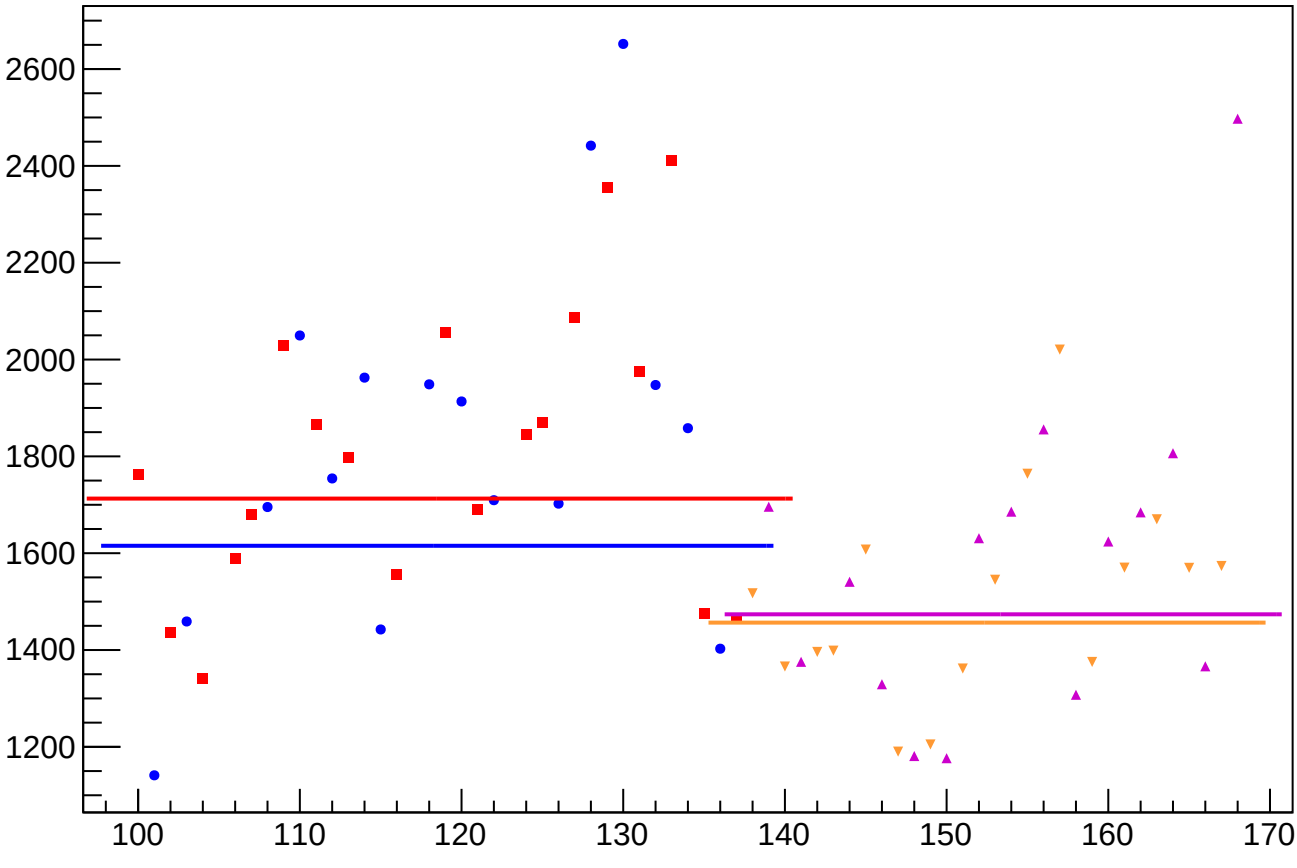
Left: 604.355+/-297.842 χ^2/NDF: 29.6/30

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

In: 282.022+/-351.161 χ^2/NDF:29.9/30

Out: 347.070+/-348.249 χ^2/NDF:35.7/34

All: 314.817+/-247.272 χ^2/NDF: 65.6/65



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1456.619+/-0.294 χ^2/NDF:430122.5/15

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1473.769+/-0.302 χ^2/NDF:796649.5/14

Left: 1464.974+/-0.211 χ^2/NDF: 1228428.8/30

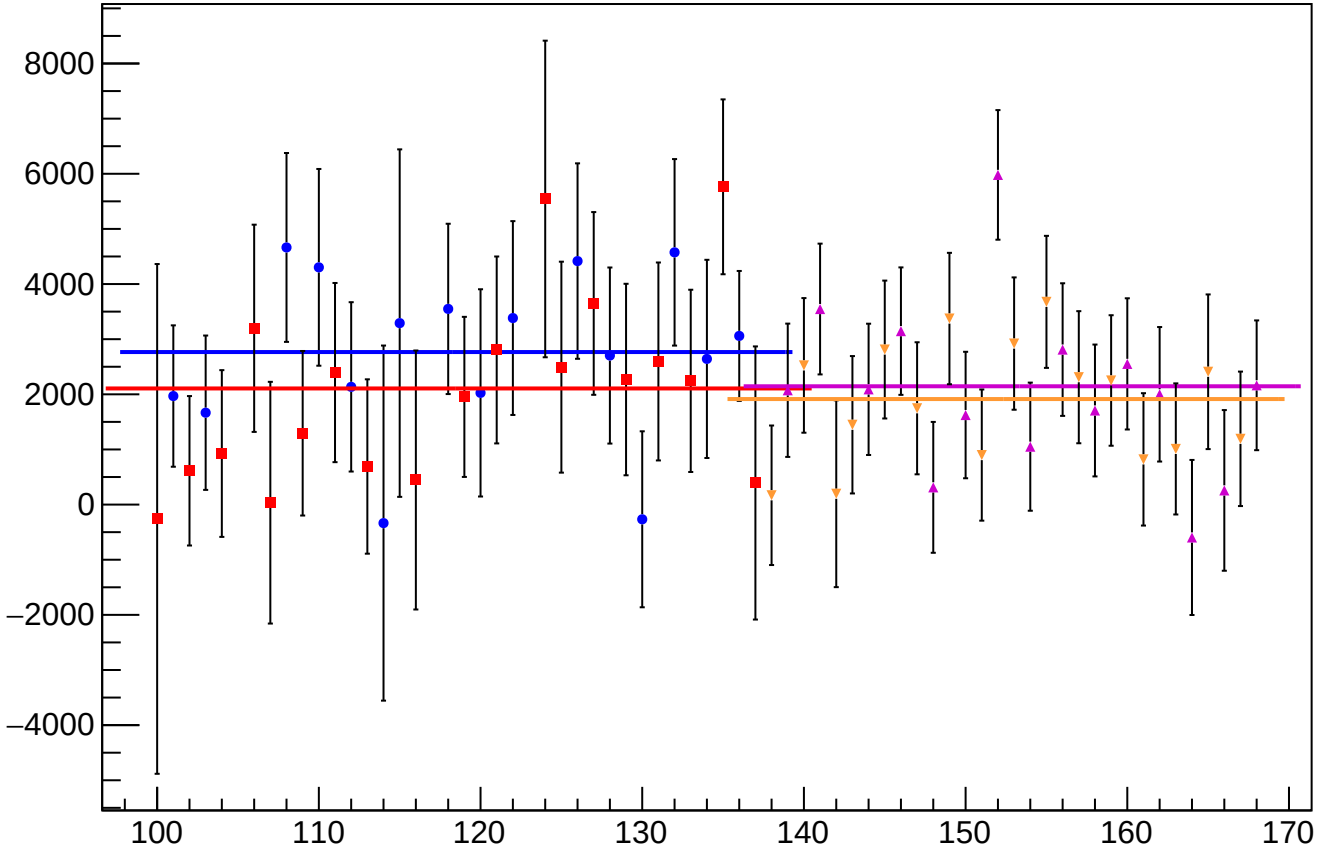
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1519.457+/-0.248 χ^2/NDF:1561310.6/30

Out: 1533.195+/-0.246 χ^2/NDF:1084994.3/34

All: 1526.383+/-0.175 χ^2/NDF: 2647848.0/65

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1914.125+/-309.770 χ^2/NDF:11.0/15

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2145.902+/-312.307 χ^2/NDF:22.3/14

Left: 2029.068+/-219.932 χ^2/NDF: 33.6/30

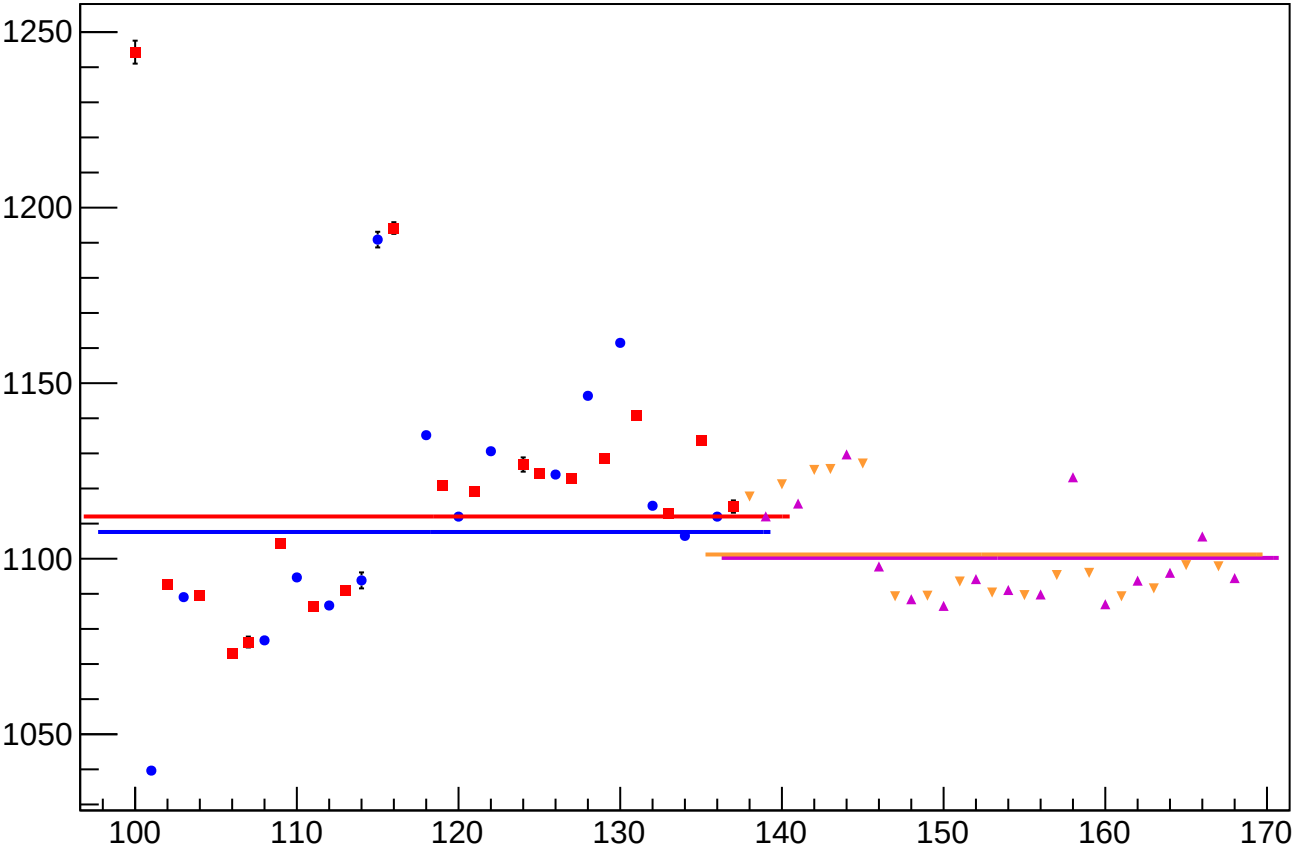
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2372.733+/-248.787 χ^2/NDF:34.1/30

Out: 1984.947+/-246.181 χ^2/NDF:24.5/34

All: 2176.798+/-174.990 χ^2/NDF: 59.8/65

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.231+/-0.221 χ^2/NDF:3716.6/14

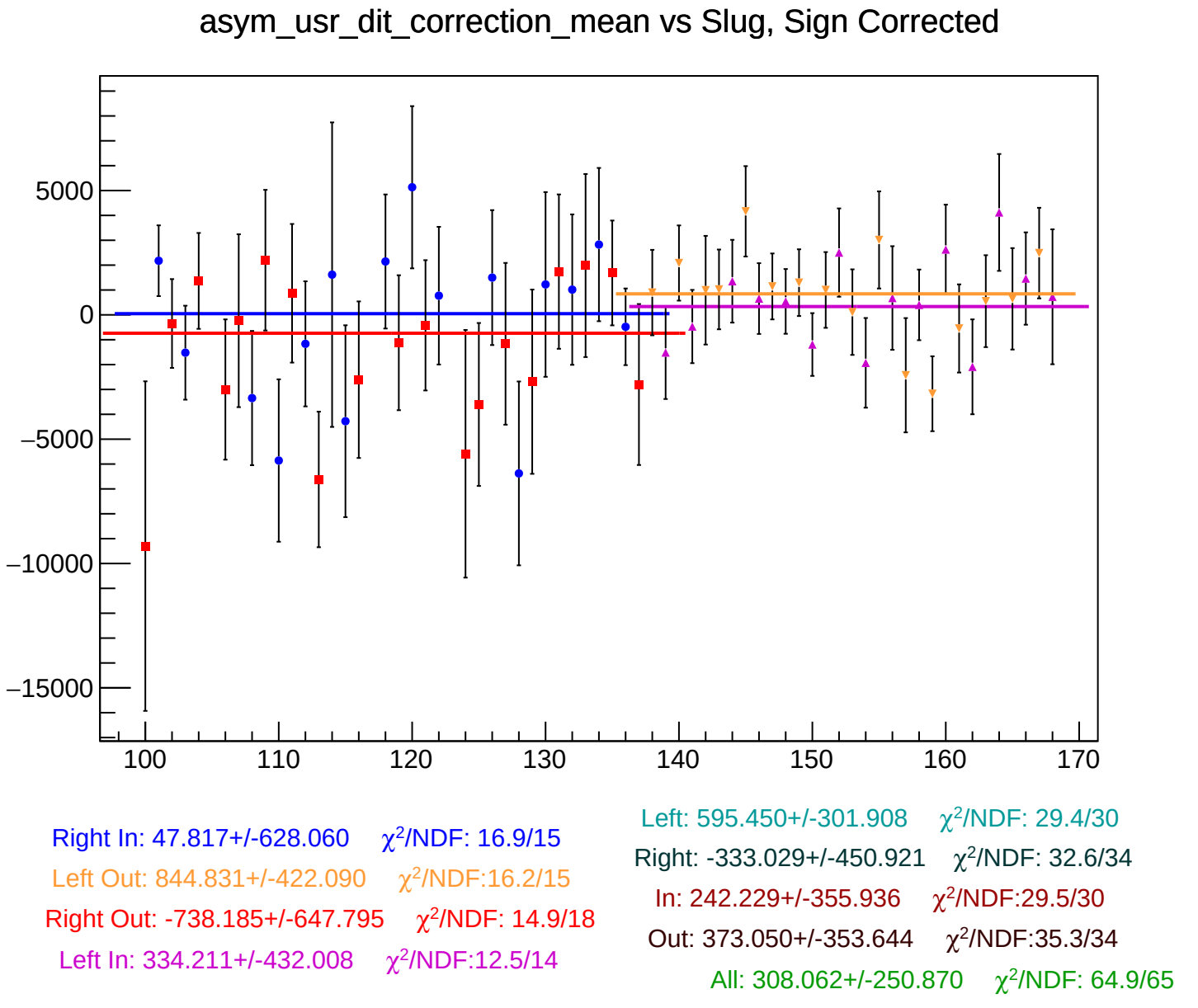
Left: 1100.721+/-0.156 χ^2/NDF: 7896.0/30

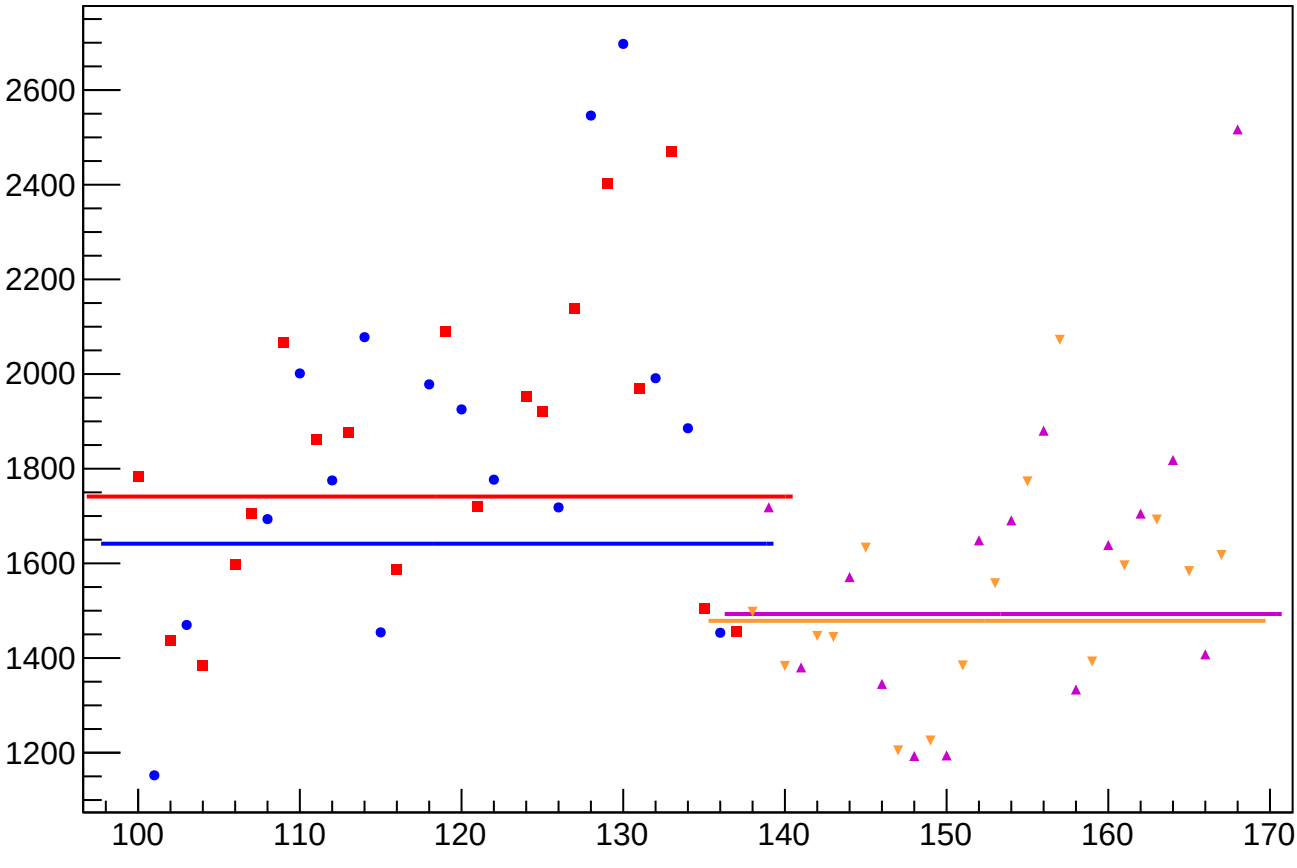
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.929+/-0.176 χ^2/NDF:17345.8/30

Out: 1105.191+/-0.174 χ^2/NDF:13723.1/34

All: 1104.072+/-0.124 χ^2/NDF: 31152.5/65


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 844.831+/-422.090 χ²/NDF:16.2/15
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 334.211+/-432.008 χ²/NDF:12.5/14
Left: 595.450+/-301.908 χ²/NDF: 29.4/30
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 242.229+/-355.936 χ²/NDF:29.5/30
Out: 373.050+/-353.644 χ²/NDF:35.3/34
All: 308.062+/-250.870 χ²/NDF: 64.9/65



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1478.670+/-0.298 χ^2/NDF:430120.3/15

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1493.052+/-0.305 χ^2/NDF:783786.3/14

Left: 1485.694+/-0.213 χ^2/NDF: 1215040.6/30

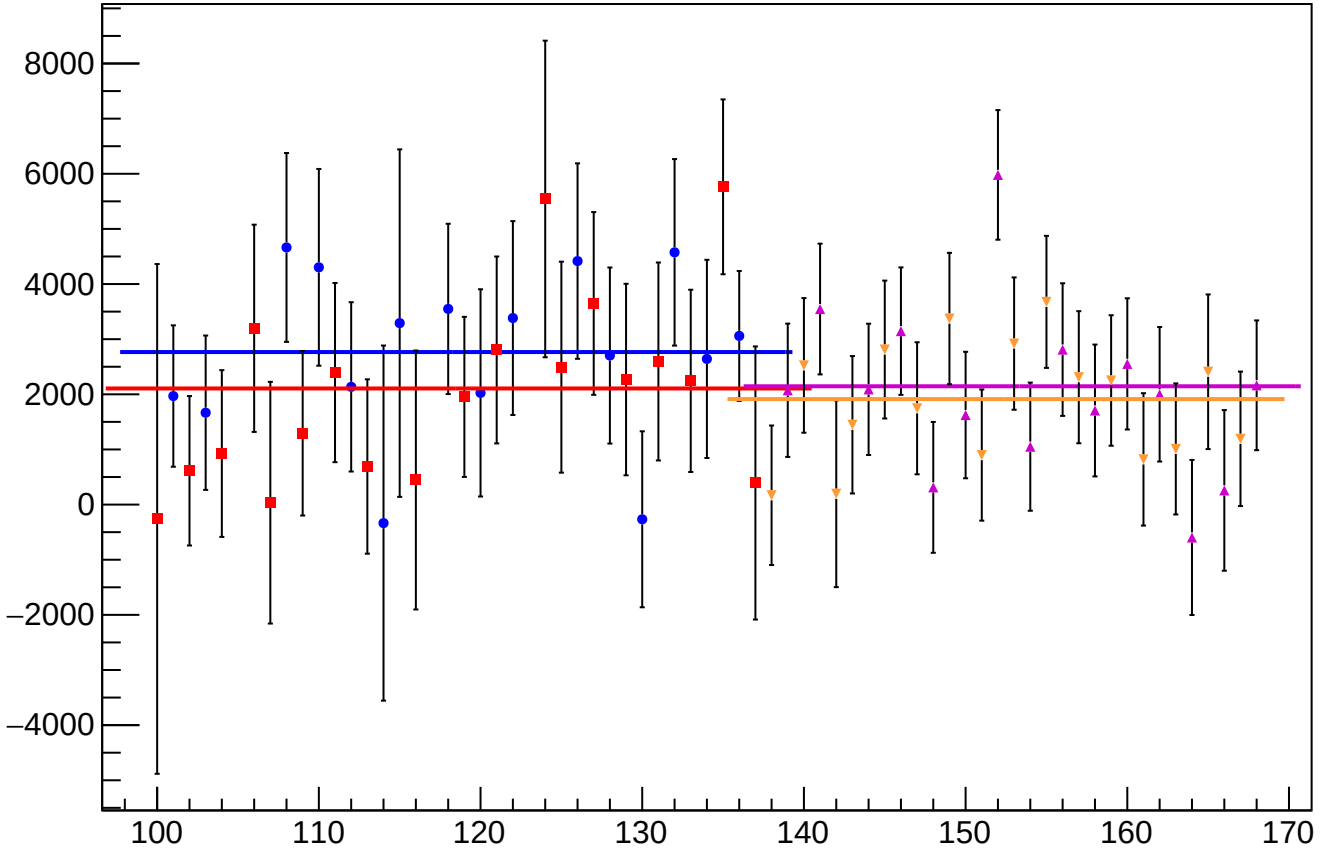
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1540.742+/-0.252 χ^2/NDF:1560982.8/30

Out: 1556.911+/-0.250 χ^2/NDF:1099043.4/34

All: 1548.878+/-0.177 χ^2/NDF: 2662103.2/65

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1914.122+/-309.770 χ^2/NDF:11.0/15

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

Left In: 2145.903+/-312.307 χ^2/NDF:22.3/14

Left: 2029.067+/-219.932 χ^2/NDF: 33.6/30

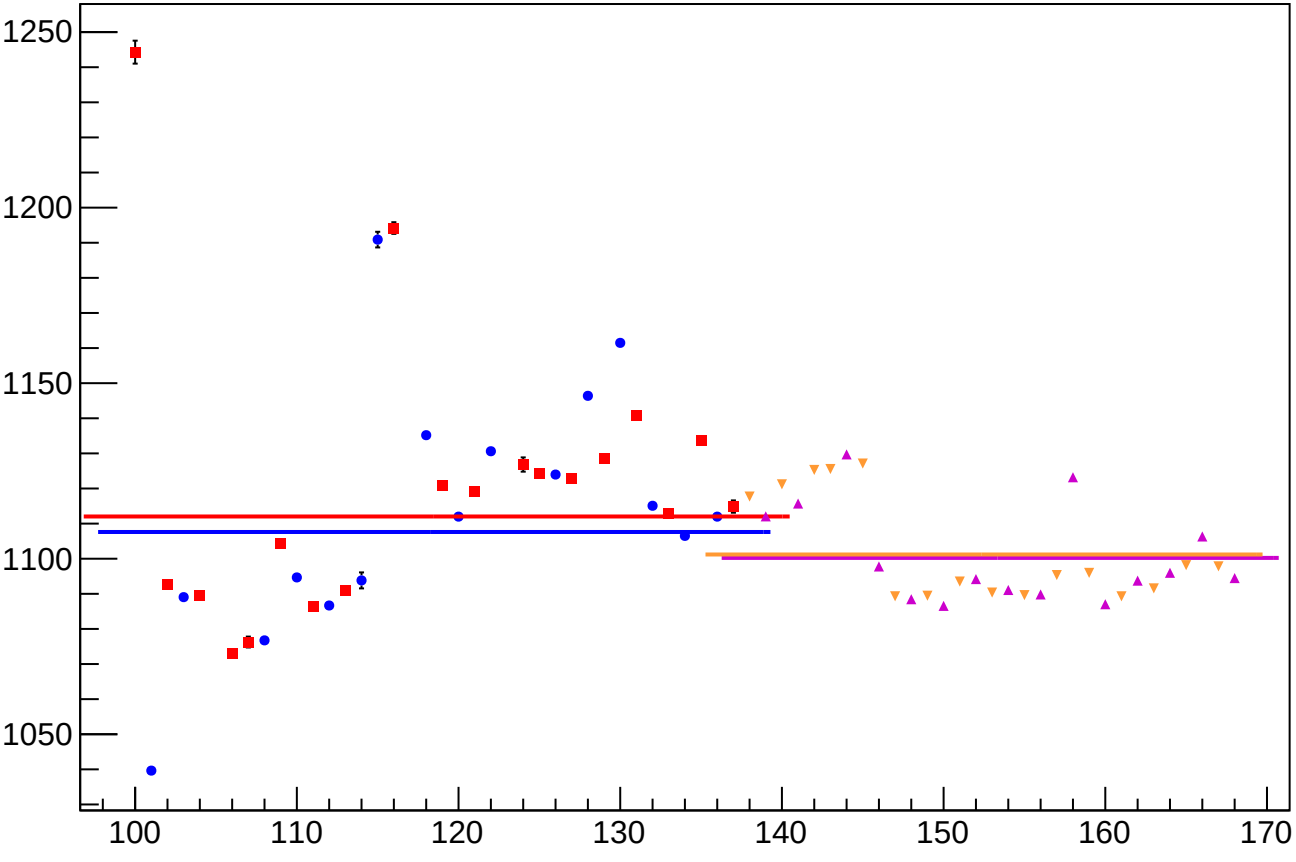
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2372.734+/-248.787 χ^2/NDF:34.1/30

Out: 1984.946+/-246.180 χ^2/NDF:24.5/34

All: 2176.798+/-174.990 χ^2/NDF: 59.8/65

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.203+/-0.219 χ^2/NDF:4169.6/15

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.231+/-0.221 χ^2/NDF:3716.6/14

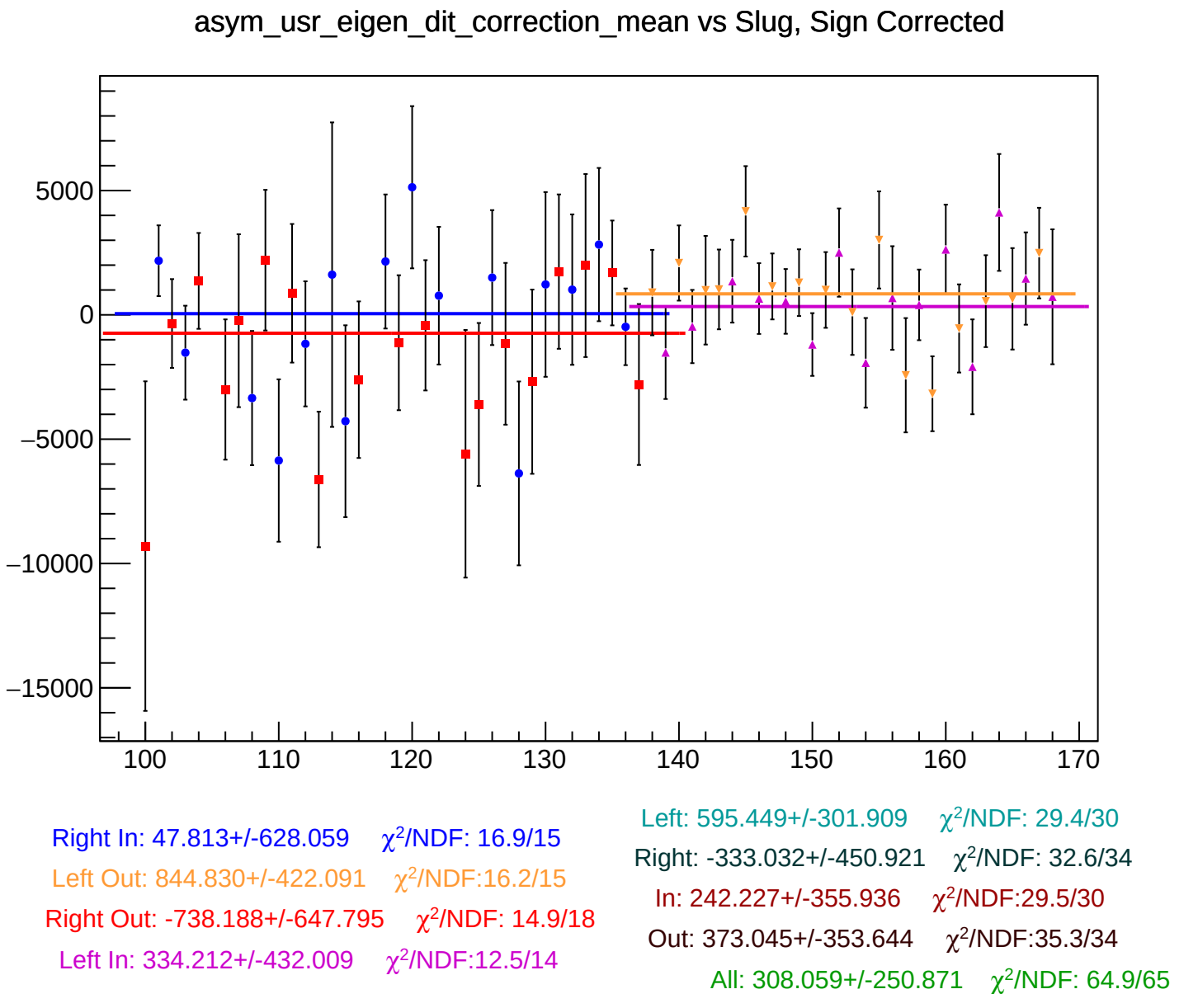
Left: 1100.721+/-0.156 χ^2/NDF: 7896.0/30

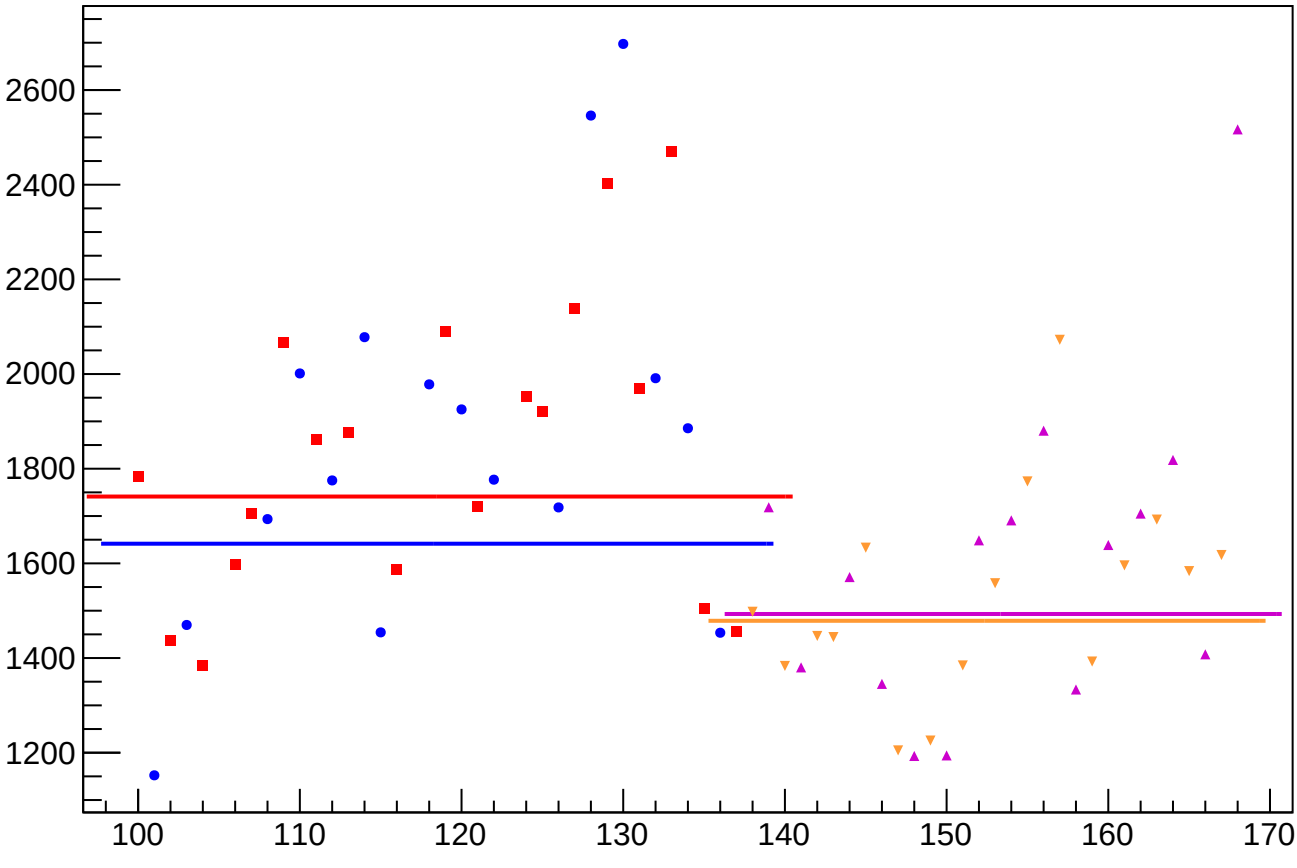
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.929+/-0.176 χ^2/NDF:17345.6/30

Out: 1105.191+/-0.174 χ^2/NDF:13723.1/34

All: 1104.072+/-0.124 χ^2/NDF: 31152.3/65


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 844.830+/-422.091 χ²/NDF:16.2/15
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 334.212+/-432.009 χ²/NDF:12.5/14
Left: 595.449+/-301.909 χ²/NDF: 29.4/30
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 242.227+/-355.936 χ²/NDF:29.5/30
Out: 373.045+/-353.644 χ²/NDF:35.3/34
All: 308.059+/-250.871 χ²/NDF: 64.9/65



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1478.673+/-0.298 χ^2/NDF:430124.8/15

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1493.055+/-0.305 χ^2/NDF:783792.0/14

Left: 1485.697+/-0.213 χ^2/NDF: 1215050.9/30

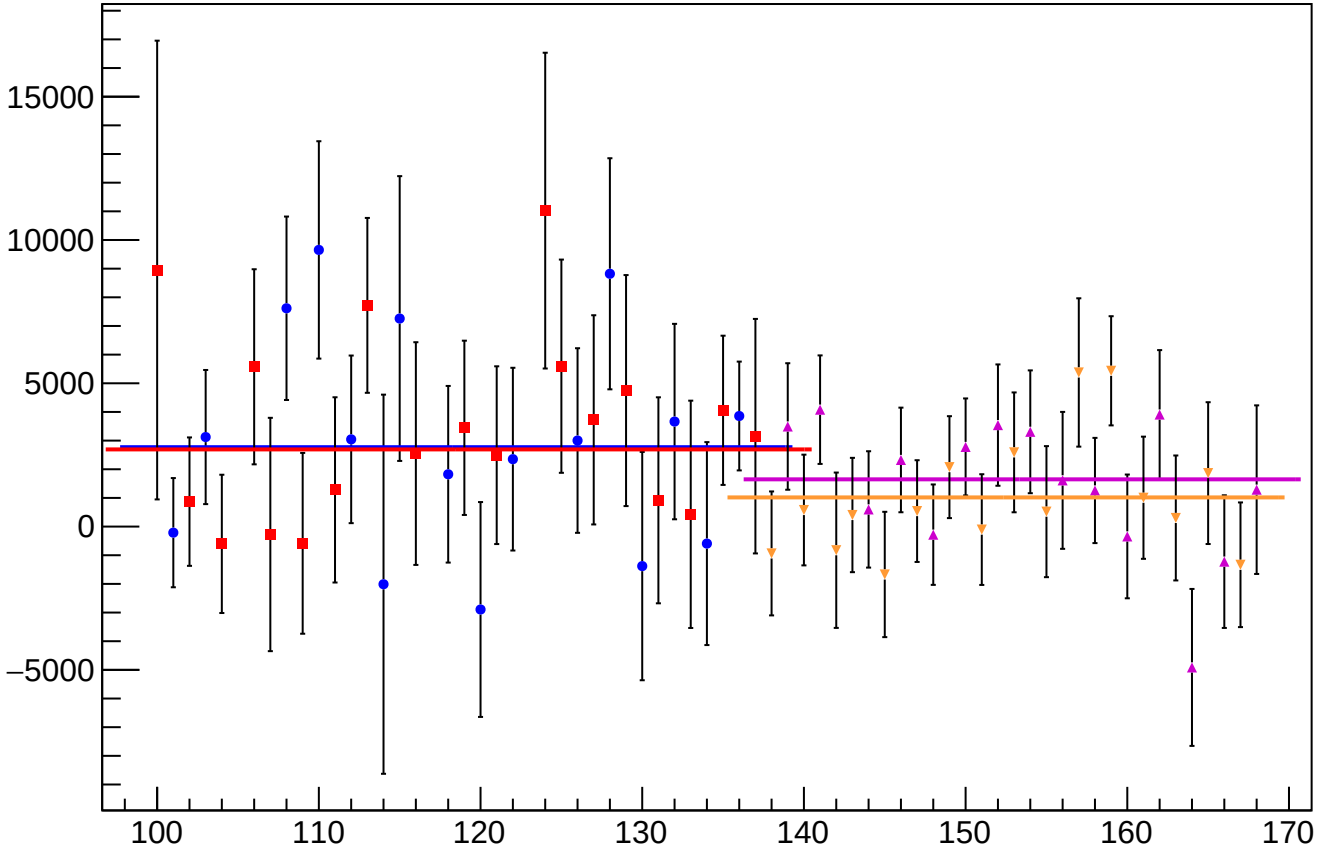
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1540.744+/-0.252 χ^2/NDF:1560970.5/30

Out: 1556.913+/-0.250 χ^2/NDF:1099027.2/34

All: 1548.881+/-0.177 χ^2/NDF: 2662074.7/65

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1017.591+/-524.849 χ^2/NDF:13.9/15

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1648.398+/-537.383 χ^2/NDF:15.0/14

Left: 1325.552+/-375.477 χ^2/NDF: 29.6/30

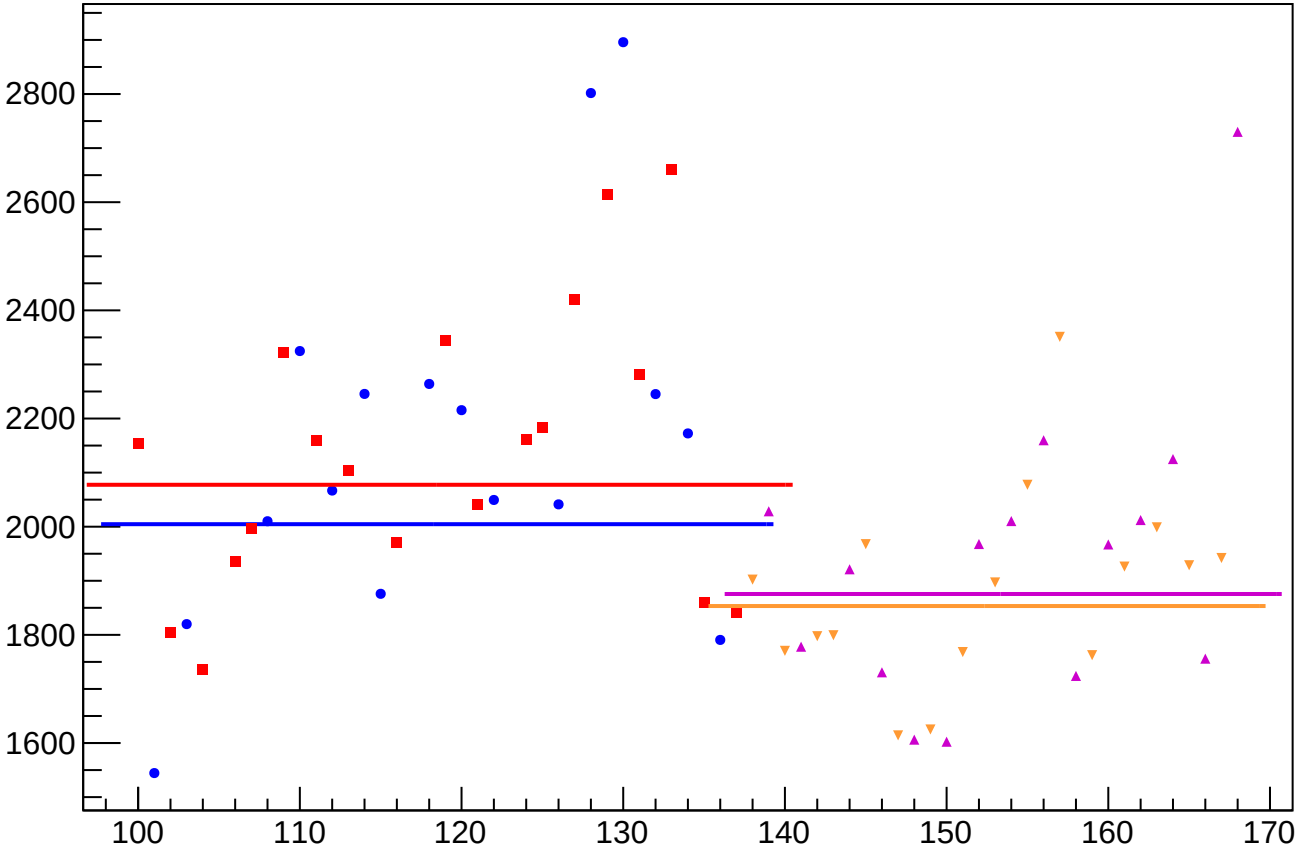
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2024.134+/-438.218 χ^2/NDF:32.9/30

Out: 1552.972+/-432.921 χ^2/NDF:29.7/34

All: 1785.689+/-307.977 χ^2/NDF: 63.2/65

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1853.301+/-0.371 χ^2/NDF:200677.3/15

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1875.561+/-0.380 χ^2/NDF:383241.7/14

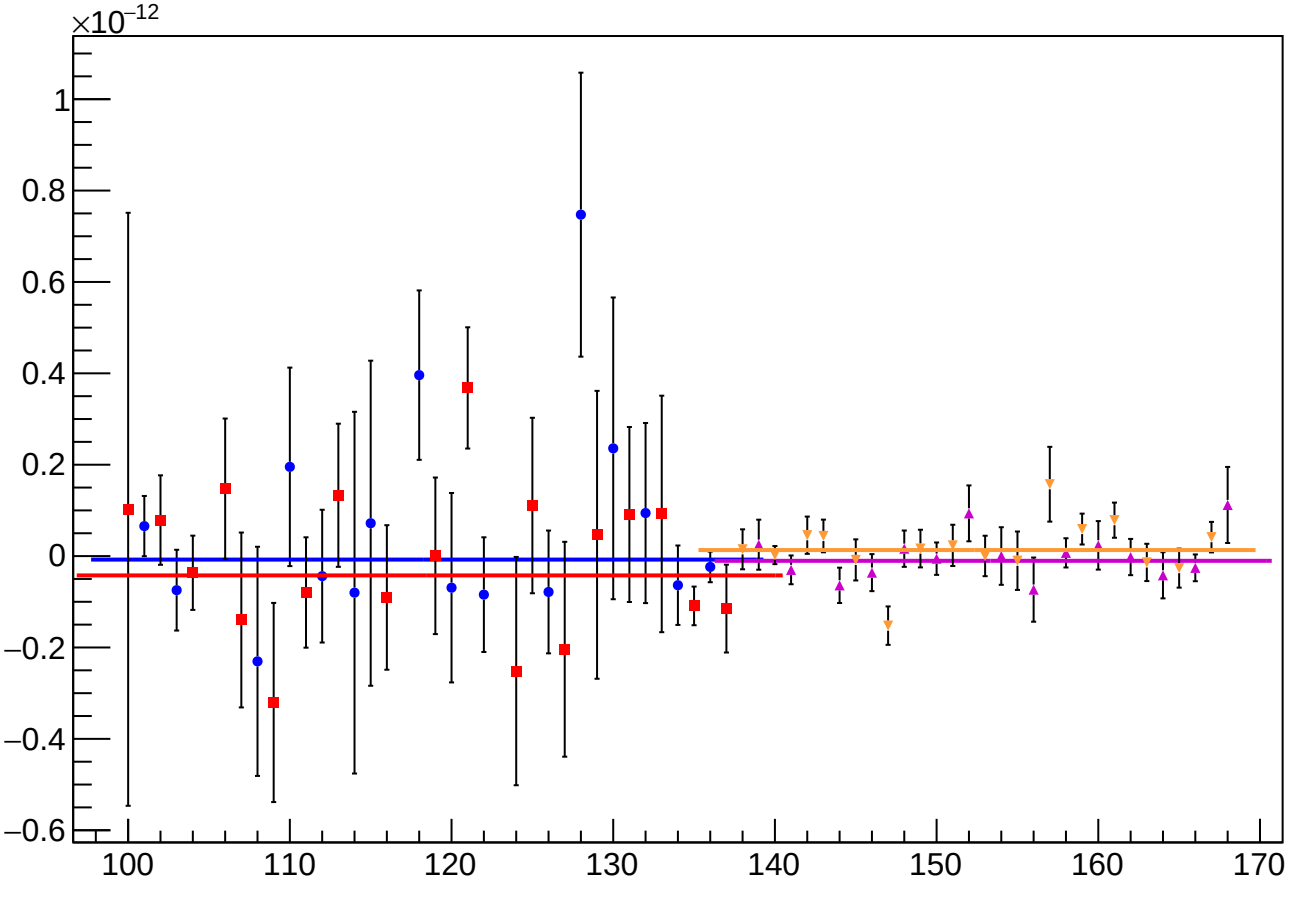
Left: 1864.168+/-0.266 χ^2/NDF: 585675.4/30

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

In: 1918.803+/-0.310 χ^2/NDF:809463.9/30

Out: 1924.960+/-0.306 χ^2/NDF:547805.2/34

All: 1921.919+/-0.218 χ^2/NDF: 1357469.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/14

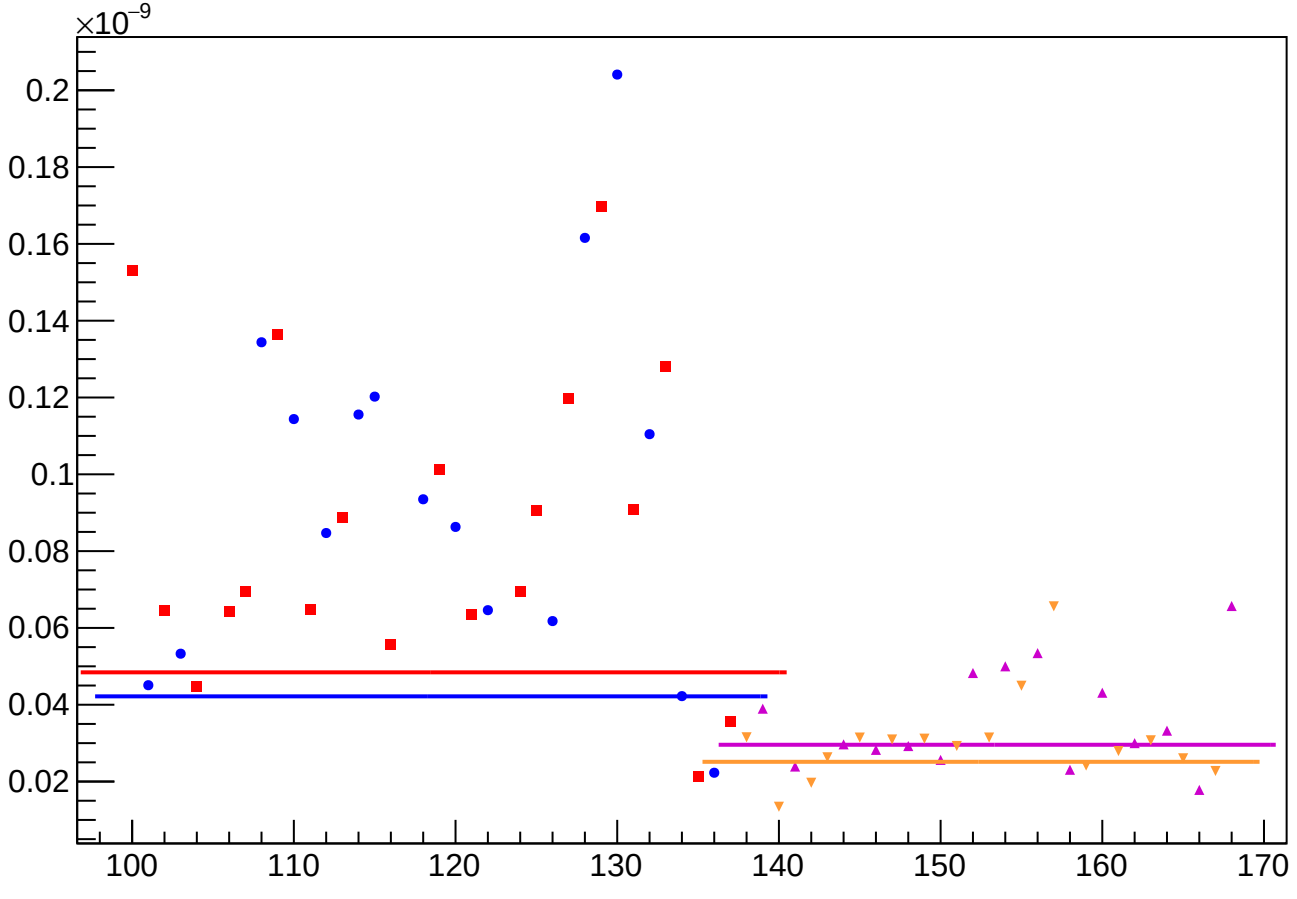
Left: 0.000+/-0.000 χ^2/NDF: 41.1/30

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

In: -0.000+/-0.000 χ^2/NDF:27.4/30

Out: 0.000+/-0.000 χ^2/NDF:53.1/34

All: -0.000+/-0.000 χ^2/NDF: 82.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1699370.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1700894.9/14

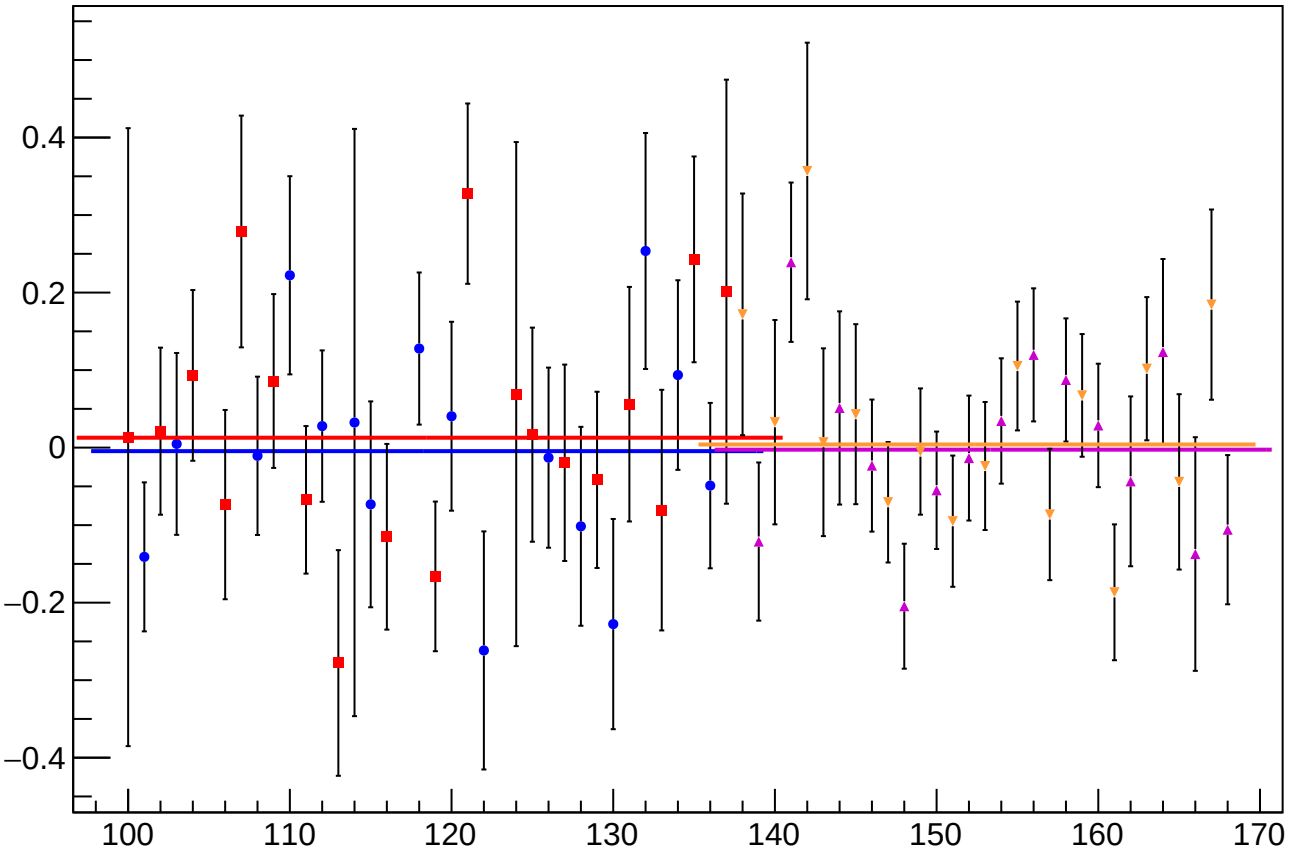
Left: 0.000+/-0.000 χ^2/NDF: 3589132.3/30

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

In: 0.000+/-0.000 χ^2/NDF:5083142.6/30

Out: 0.000+/-0.000 χ^2/NDF:5627782.5/34

All: 0.000+/-0.000 χ^2/NDF: 10888600.0/65



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.024 χ^2/NDF:20.8/14

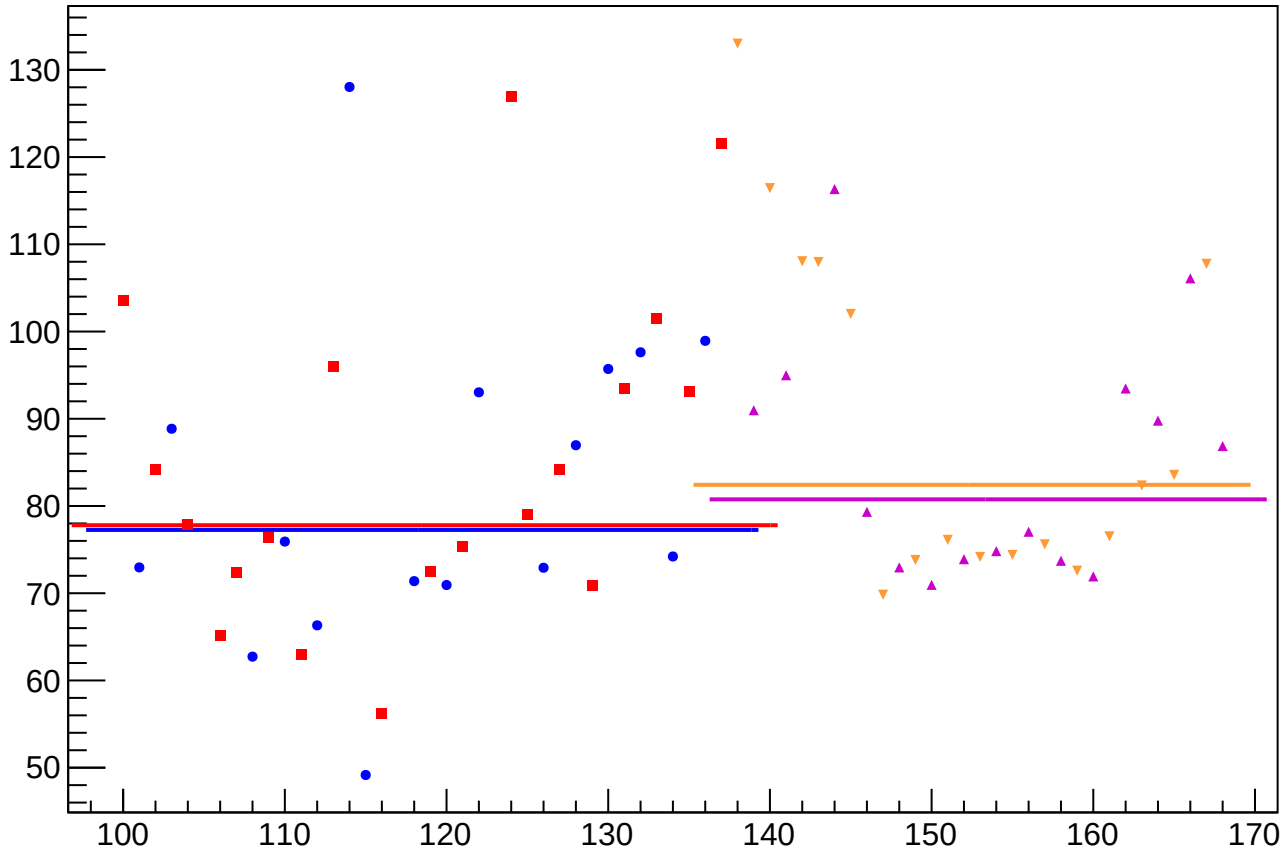
Left: 0.001+/-0.017 χ^2/NDF: 40.5/30

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.003+/-0.019 χ^2/NDF:38.1/30

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.002+/-0.013 χ^2/NDF: 83.5/65



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.762+/-0.017 χ^2/NDF:446297.2/14

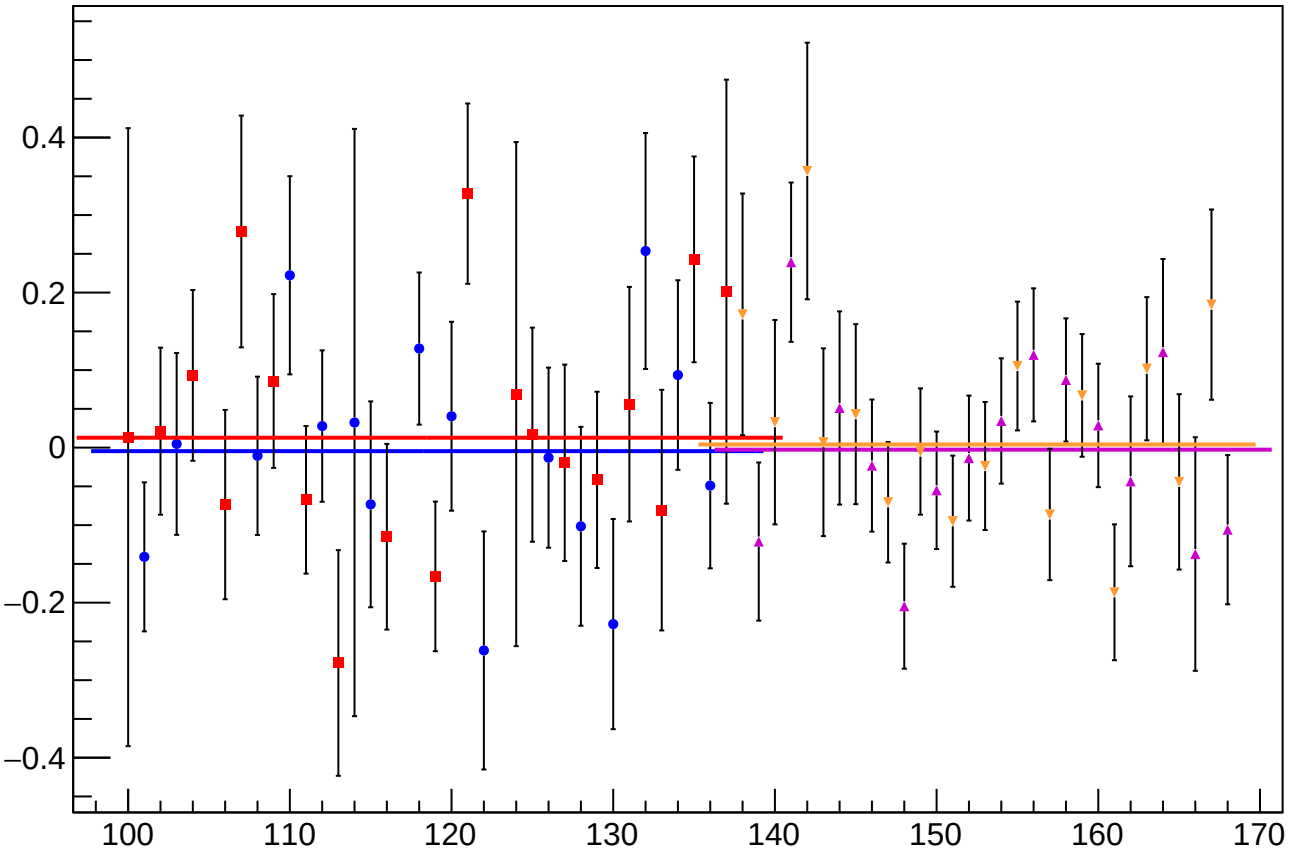
Left: 81.578+/-0.012 χ^2/NDF: 1251930.3/30

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

In: 79.420+/-0.013 χ^2/NDF:882358.2/30

Out: 80.587+/-0.013 χ^2/NDF:1226506.4/34

All: 79.999+/-0.009 χ^2/NDF: 2112766.6/65



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.024 χ^2/NDF:20.8/14

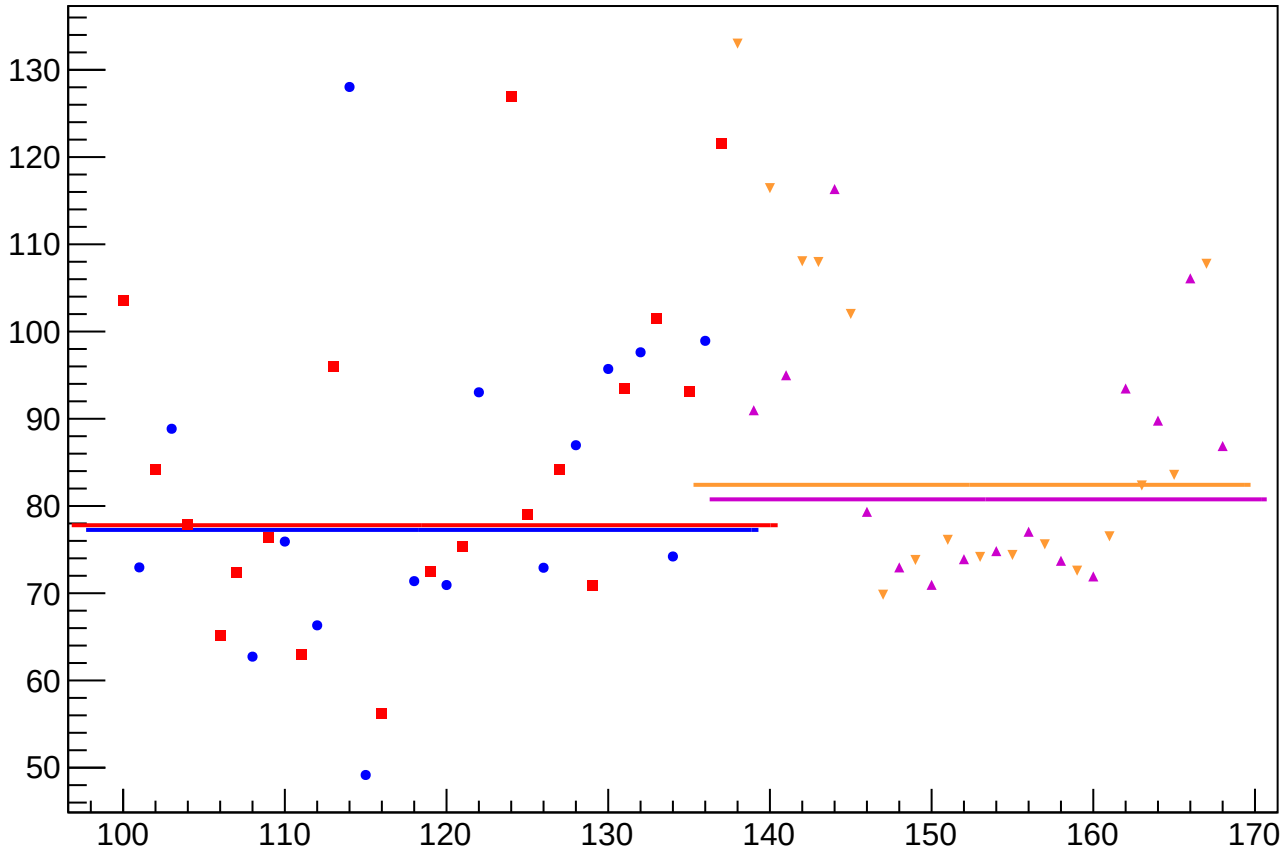
Left: 0.001+/-0.017 χ^2/NDF: 40.5/30

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.003+/-0.019 χ^2/NDF:38.1/30

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.002+/-0.013 χ^2/NDF: 83.5/65



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.427+/-0.017 χ^2/NDF:800780.8/15

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.762+/-0.017 χ^2/NDF:446297.2/14

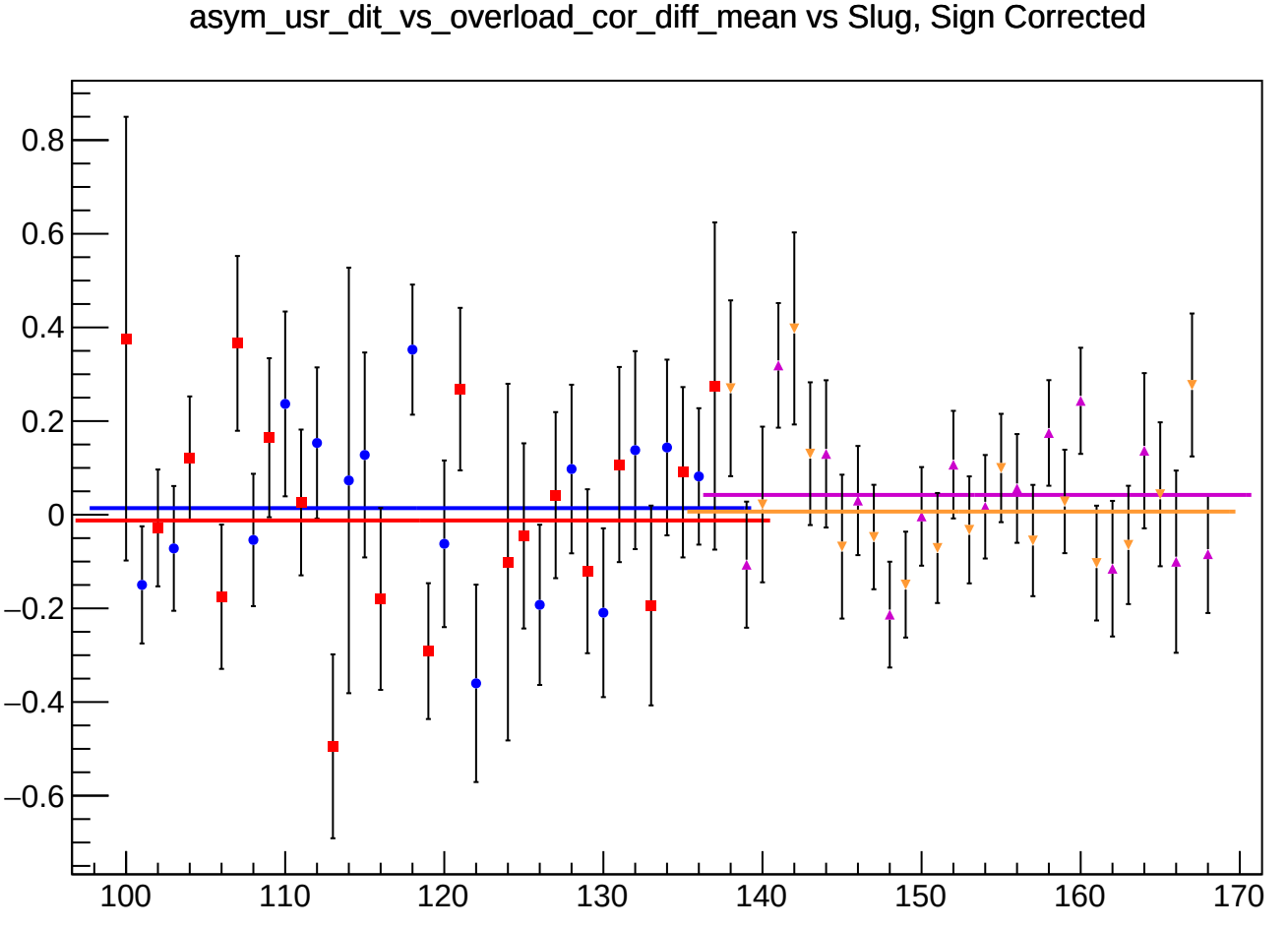
Left: 81.578+/-0.012 χ^2/NDF: 1251930.3/30

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

In: 79.420+/-0.013 χ^2/NDF:882358.2/30

Out: 80.587+/-0.013 χ^2/NDF:1226506.4/34

All: 79.999+/-0.009 χ^2/NDF: 2112766.6/65



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.007+/-0.033 χ^2/NDF:14.5/15

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.042+/-0.032 χ^2/NDF:19.1/14

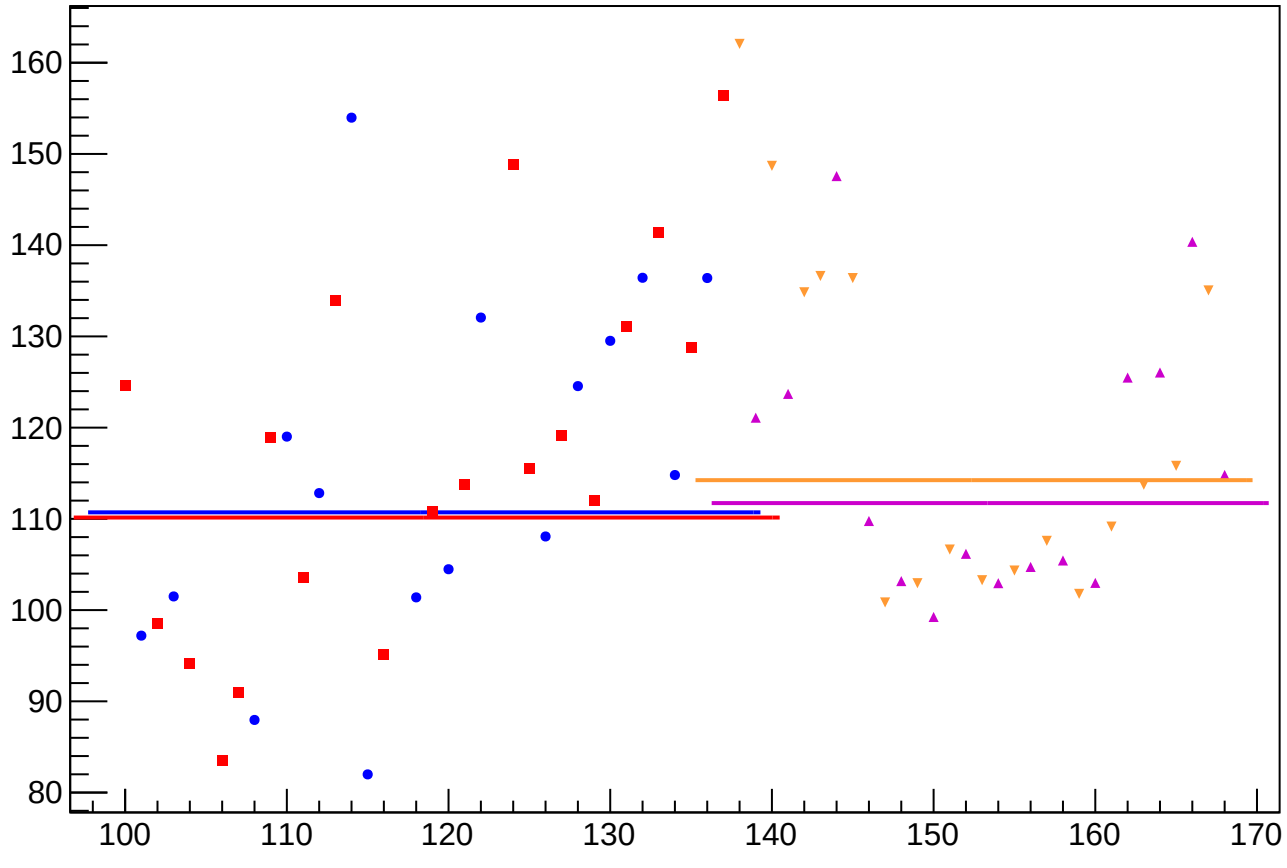
Left: 0.025+/-0.023 χ^2/NDF: 34.2/30

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.032+/-0.026 χ^2/NDF:37.6/30

Out: -0.001+/-0.026 χ^2/NDF:38.4/34

All: 0.016+/-0.018 χ^2/NDF: 76.8/65



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.242+/-0.023 χ^2/NDF:483402.8/15

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.728+/-0.023 χ^2/NDF:290134.1/14

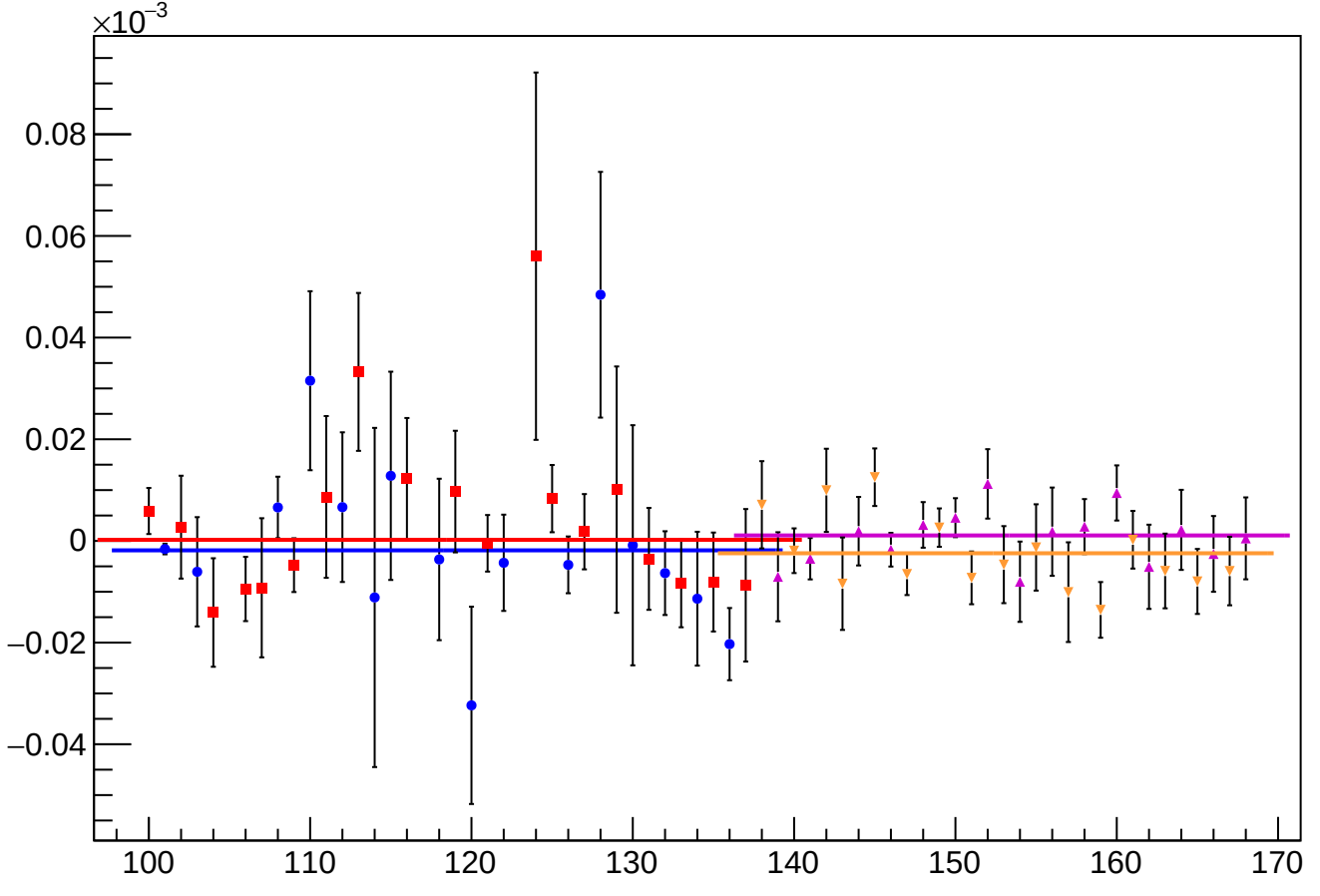
Left: 112.963+/-0.016 χ^2/NDF: 779471.6/30

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

In: 111.354+/-0.018 χ^2/NDF:590832.9/30

Out: 112.651+/-0.018 χ^2/NDF:822163.4/34

All: 112.001+/-0.013 χ^2/NDF: 1415541.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/14

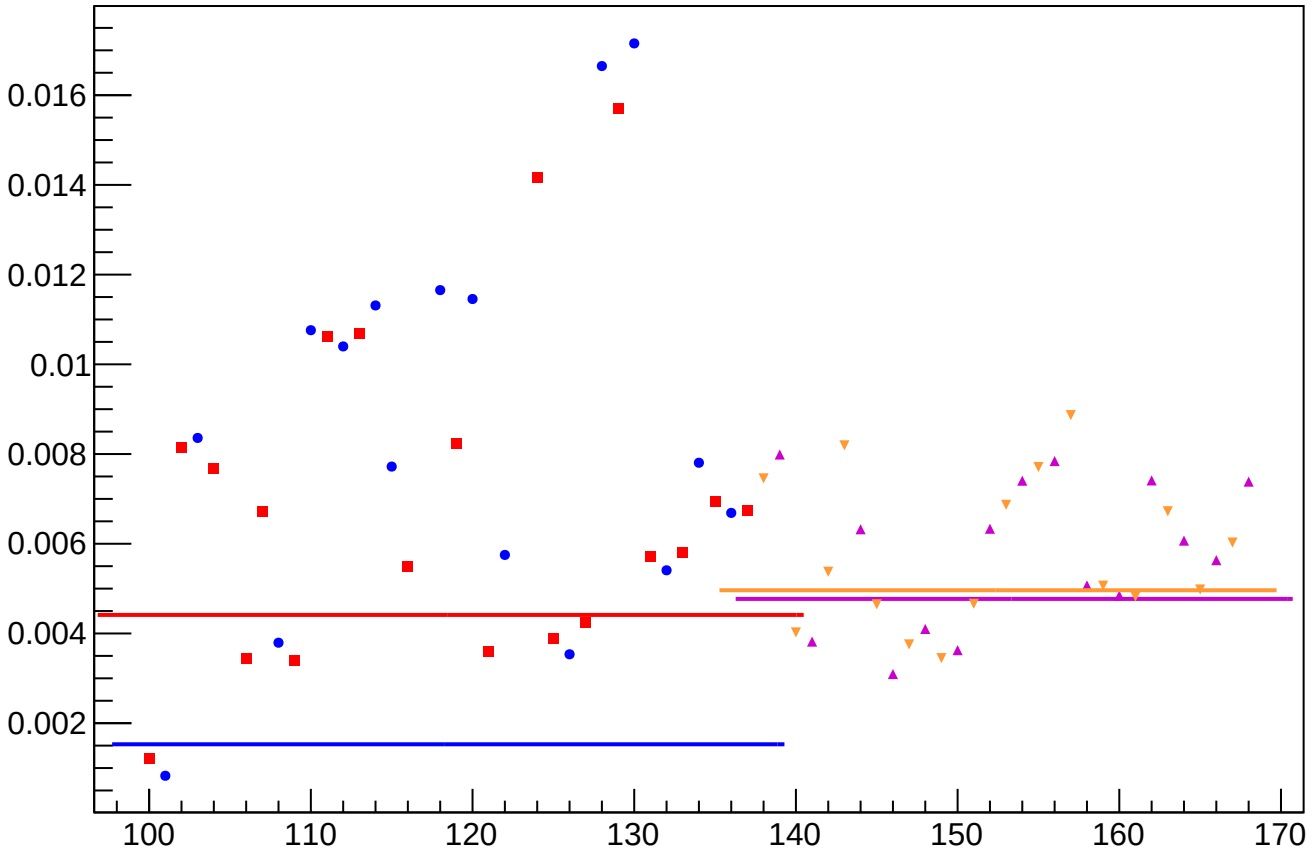
Left: -0.000+/-0.000 χ^2/NDF: 34.5/30

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

In: -0.000+/-0.000 χ^2/NDF:35.0/30

Out: -0.000+/-0.000 χ^2/NDF:42.0/34

All: -0.000+/-0.000 χ^2/NDF: 77.1/65



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1841434.6/15

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2298254.2/14

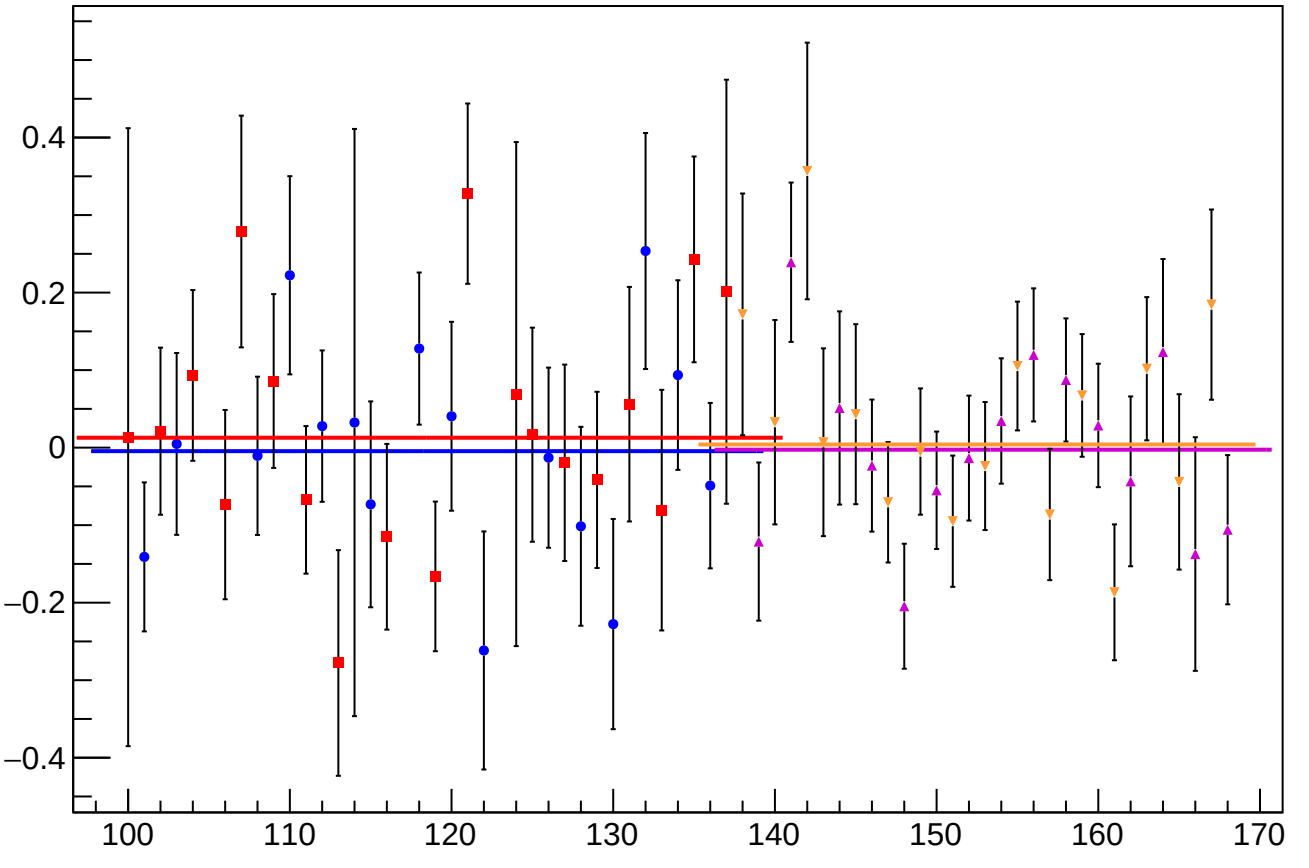
Left: 0.005+/-0.000 χ^2/NDF: 4157395.2/30

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

In: 0.003+/-0.000 χ^2/NDF:18524666.9/30

Out: 0.005+/-0.000 χ^2/NDF:5332422.3/34

All: 0.003+/-0.000 χ^2/NDF: 28690820.6/65



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.024 χ^2/NDF:20.8/14

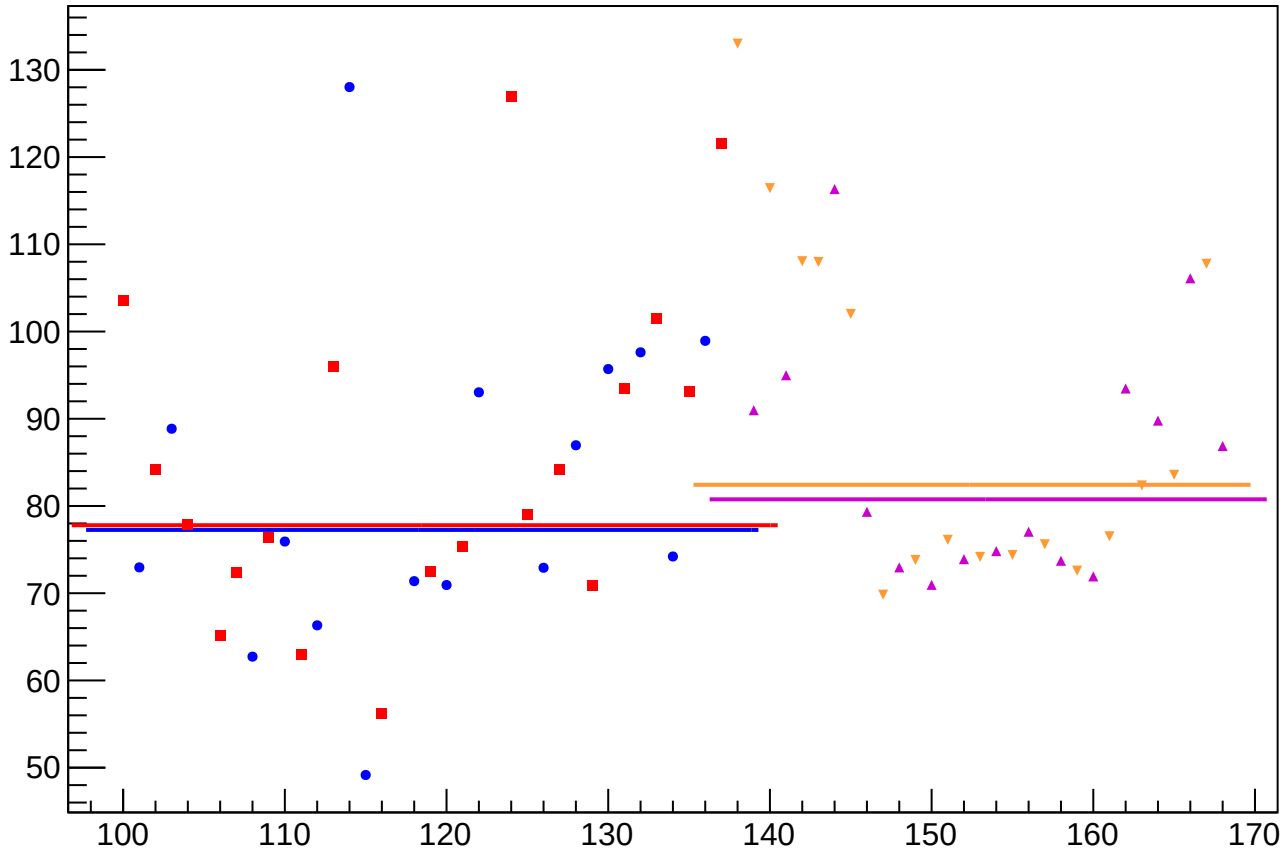
Left: 0.001+/-0.017 χ^2/NDF: 40.5/30

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.003+/-0.019 χ^2/NDF:38.1/30

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.002+/-0.013 χ^2/NDF: 83.5/65



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.762+/-0.017 χ^2/NDF:446307.8/14

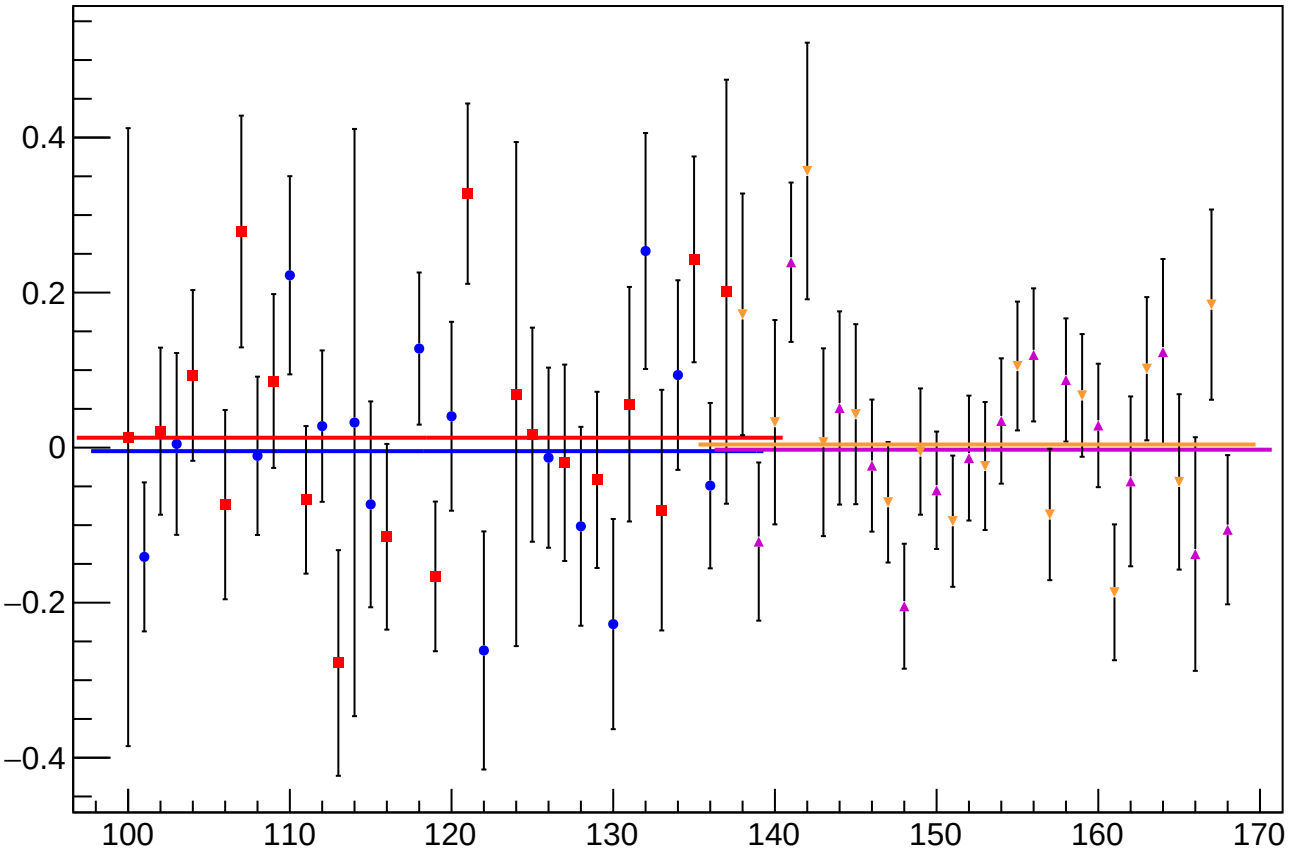
Left: 81.578+/-0.012 χ^2/NDF: 1251946.1/30

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

In: 79.420+/-0.013 χ^2/NDF:882374.4/30

Out: 80.586+/-0.013 χ^2/NDF:1226534.8/34

All: 79.999+/-0.009 χ^2/NDF: 2112811.4/65



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.004+/-0.024 χ^2/NDF:19.7/15

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.024 χ^2/NDF:20.8/14

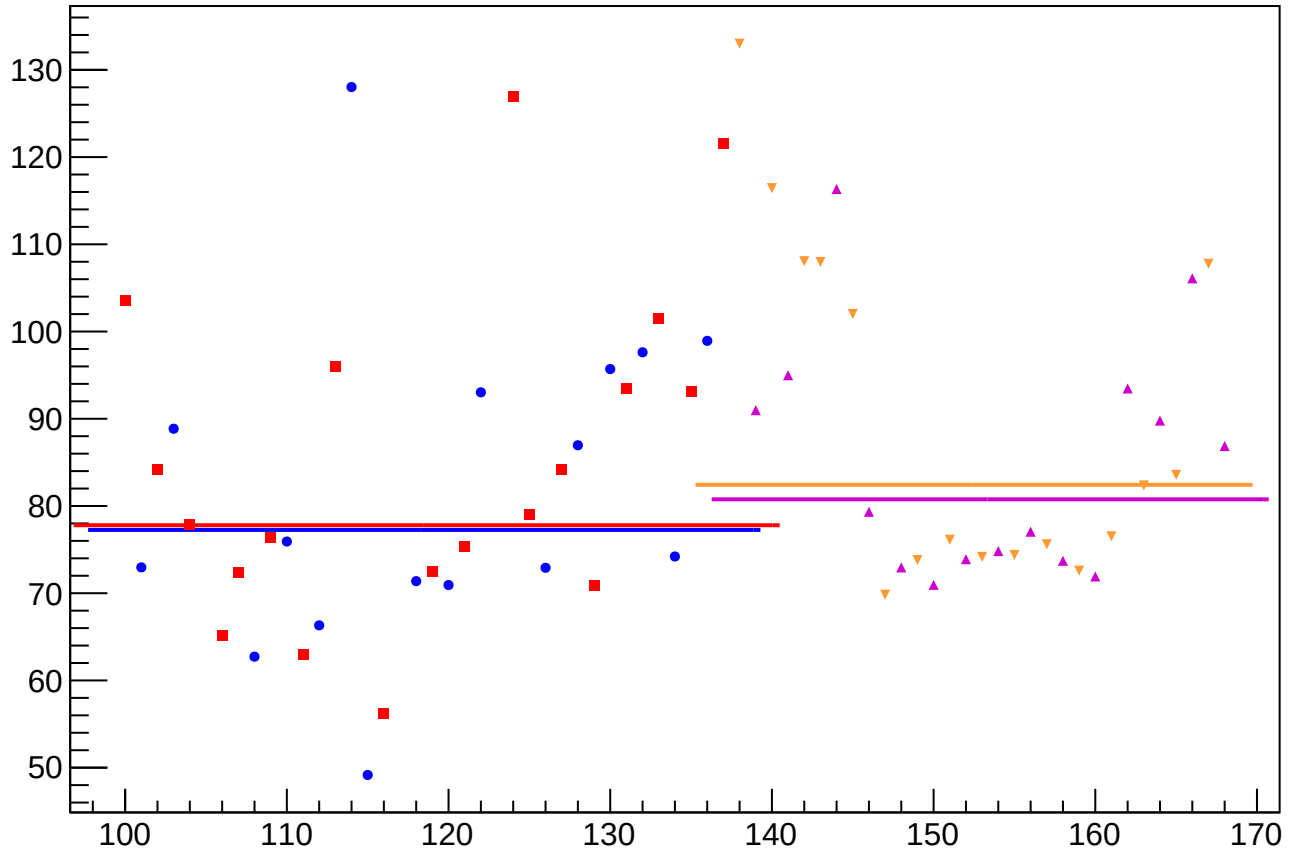
Left: 0.001+/-0.017 χ^2/NDF: 40.5/30

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.003+/-0.019 χ^2/NDF:38.1/30

Out: 0.008+/-0.019 χ^2/NDF:45.3/34

All: 0.002+/-0.013 χ^2/NDF: 83.5/65



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.427+/-0.017 χ^2/NDF:800785.1/15

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.762+/-0.017 χ^2/NDF:446307.8/14

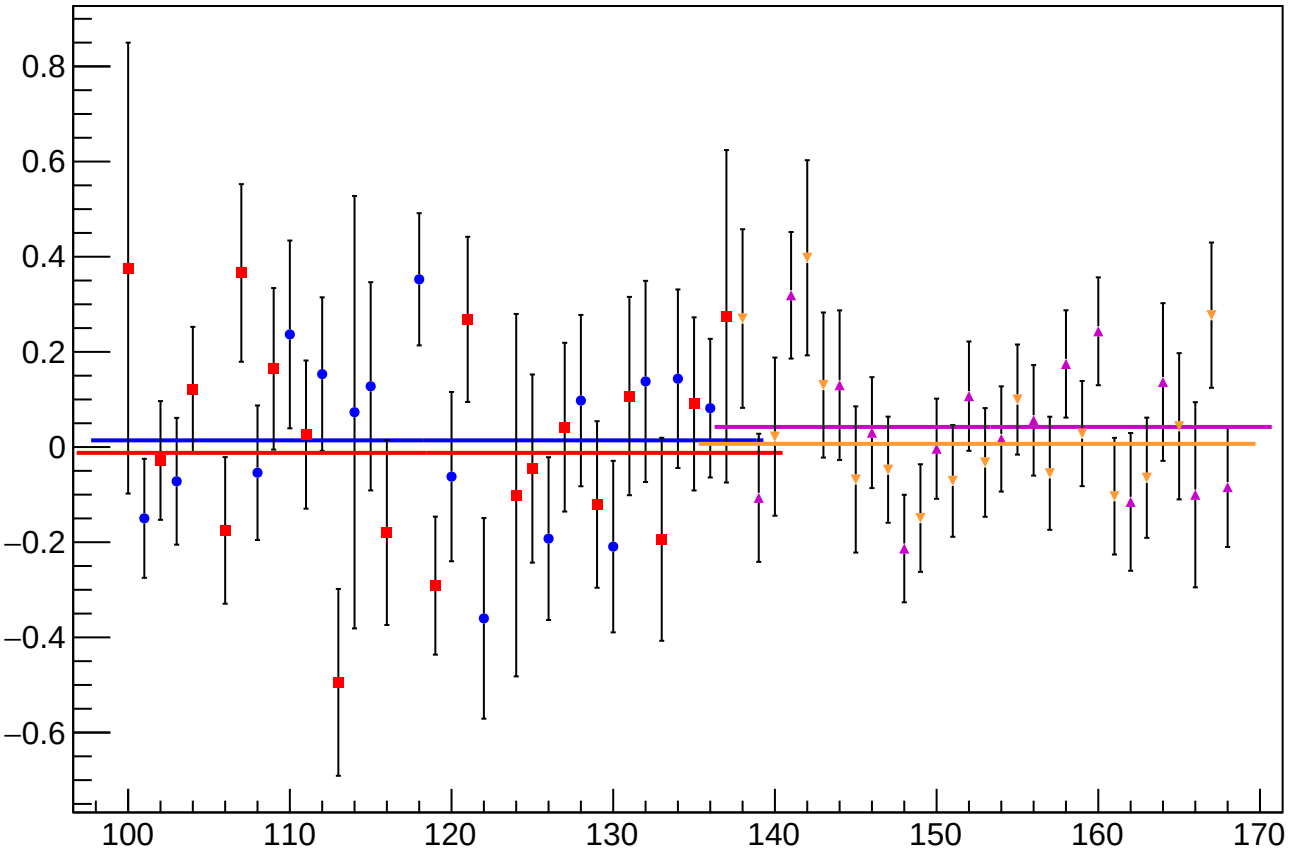
Left: 81.578+/-0.012 χ^2/NDF: 1251946.1/30

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

In: 79.420+/-0.013 χ^2/NDF:882374.4/30

Out: 80.586+/-0.013 χ^2/NDF:1226534.8/34

All: 79.999+/-0.009 χ^2/NDF: 2112811.4/65



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.007+/-0.033 χ^2/NDF:14.5/15

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.042+/-0.032 χ^2/NDF:19.1/14

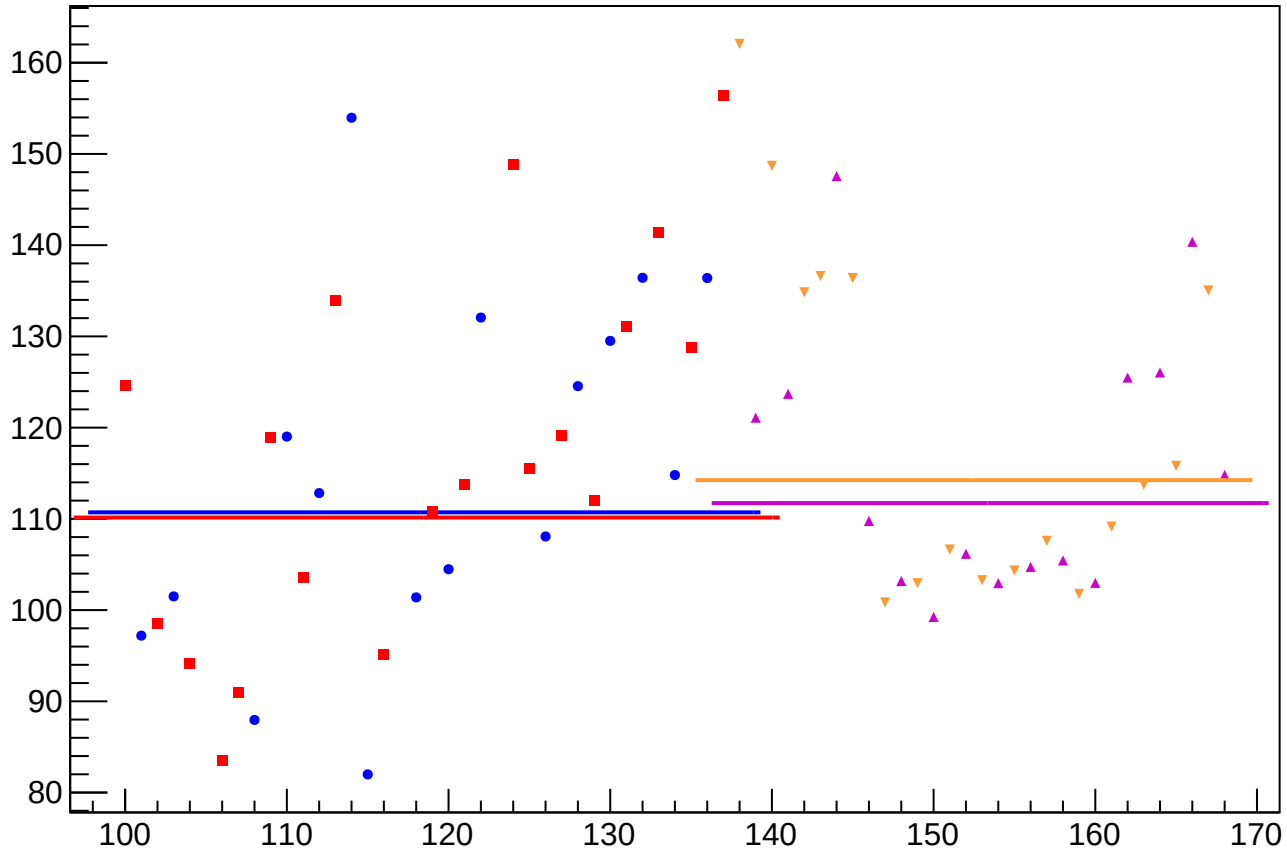
Left: 0.025+/-0.023 χ^2/NDF: 34.2/30

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.032+/-0.026 χ^2/NDF:37.6/30

Out: -0.001+/-0.026 χ^2/NDF:38.4/34

All: 0.016+/-0.018 χ^2/NDF: 76.8/65



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.242+/-0.023 χ^2/NDF:483404.0/15

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.729+/-0.023 χ^2/NDF:290139.4/14

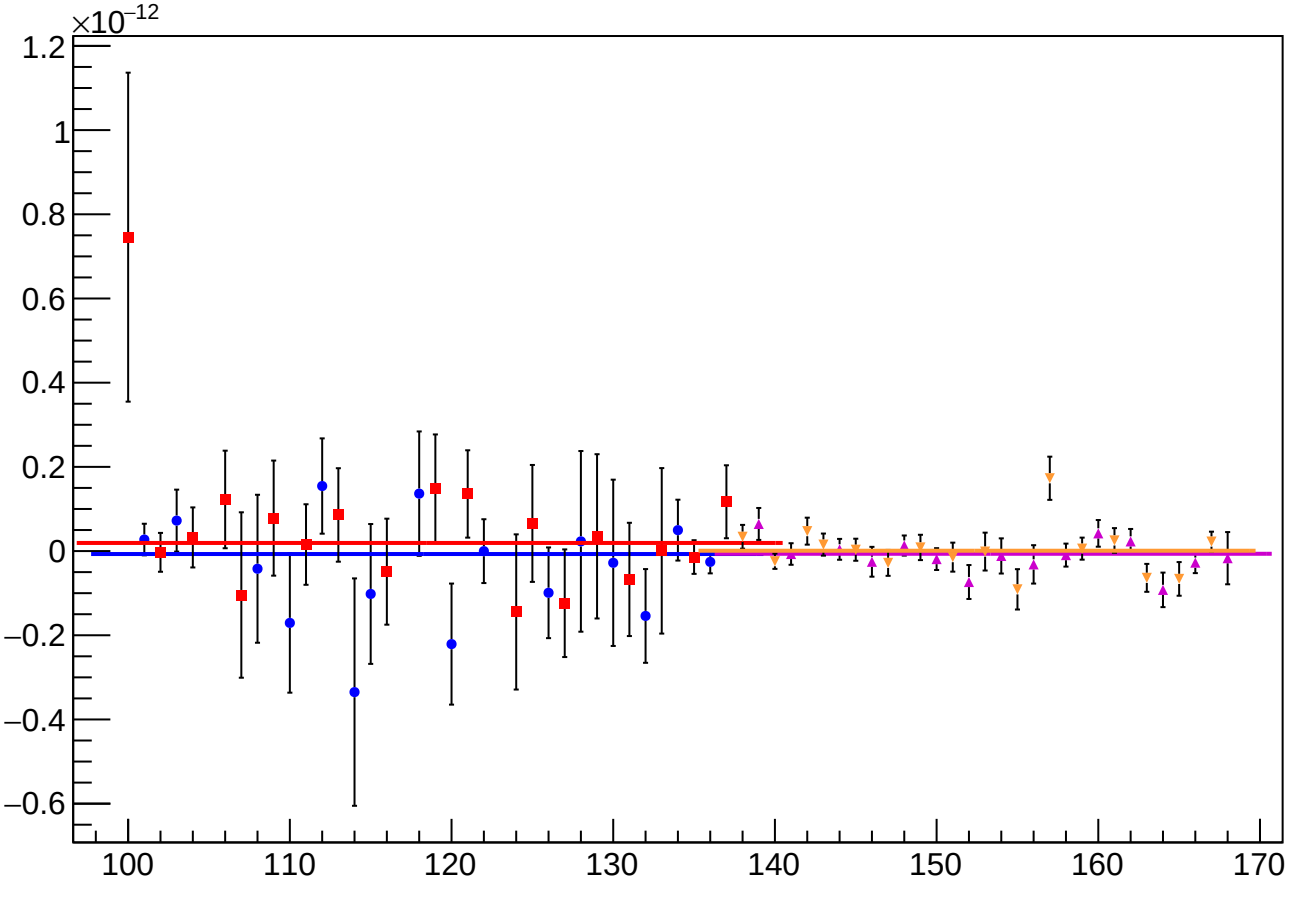
Left: 112.963+/-0.016 χ^2/NDF: 779478.5/30

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

In: 111.354+/-0.018 χ^2/NDF:590815.2/30

Out: 112.651+/-0.018 χ^2/NDF:822141.9/34

All: 112.001+/-0.013 χ^2/NDF: 1415502.2/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/14

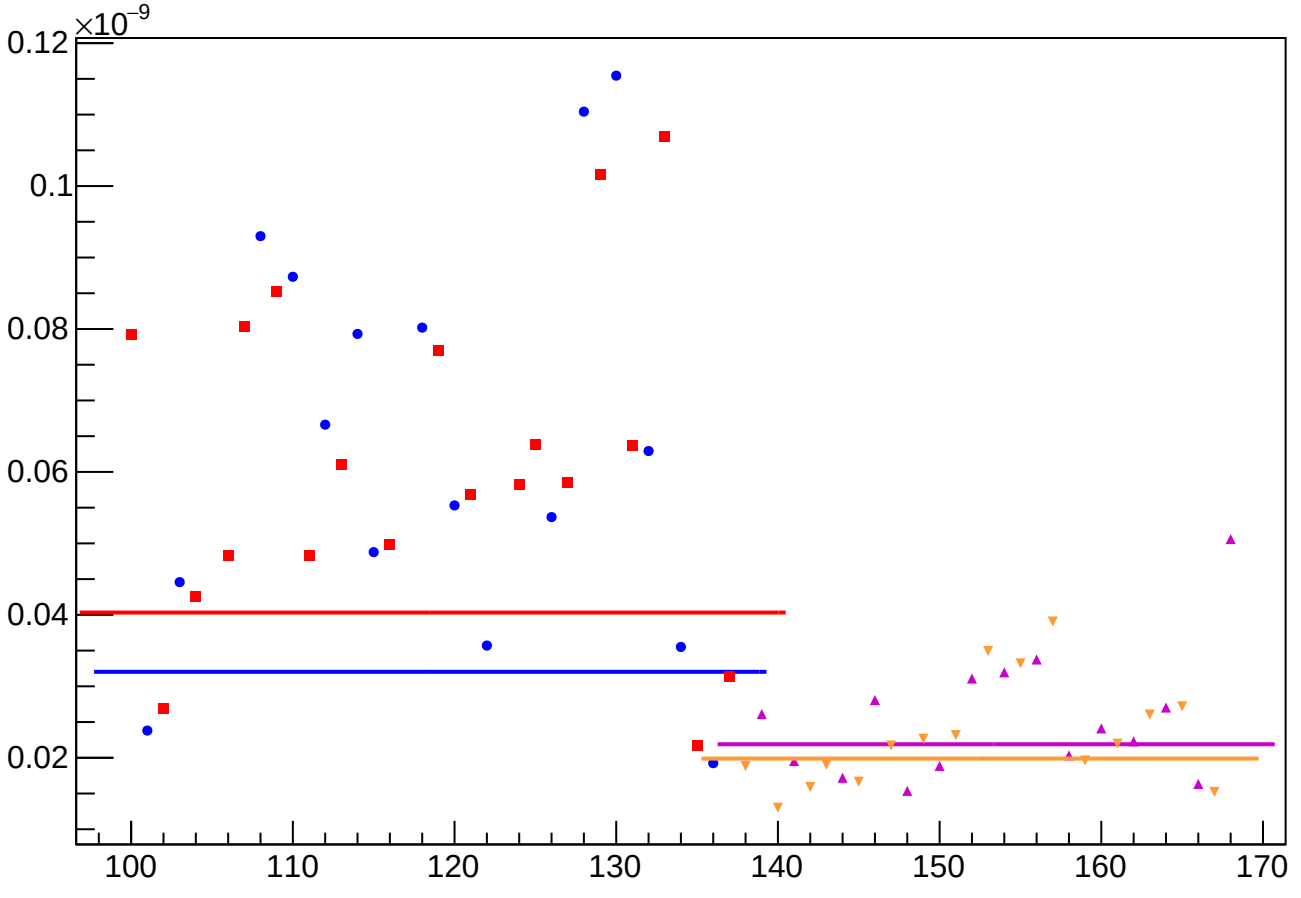
Left: -0.000+/-0.000 χ^2/NDF: 46.8/30

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.0/30

Out: 0.000+/-0.000 χ^2/NDF:43.2/34

All: -0.000+/-0.000 χ^2/NDF: 74.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278115.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1281859.6/14

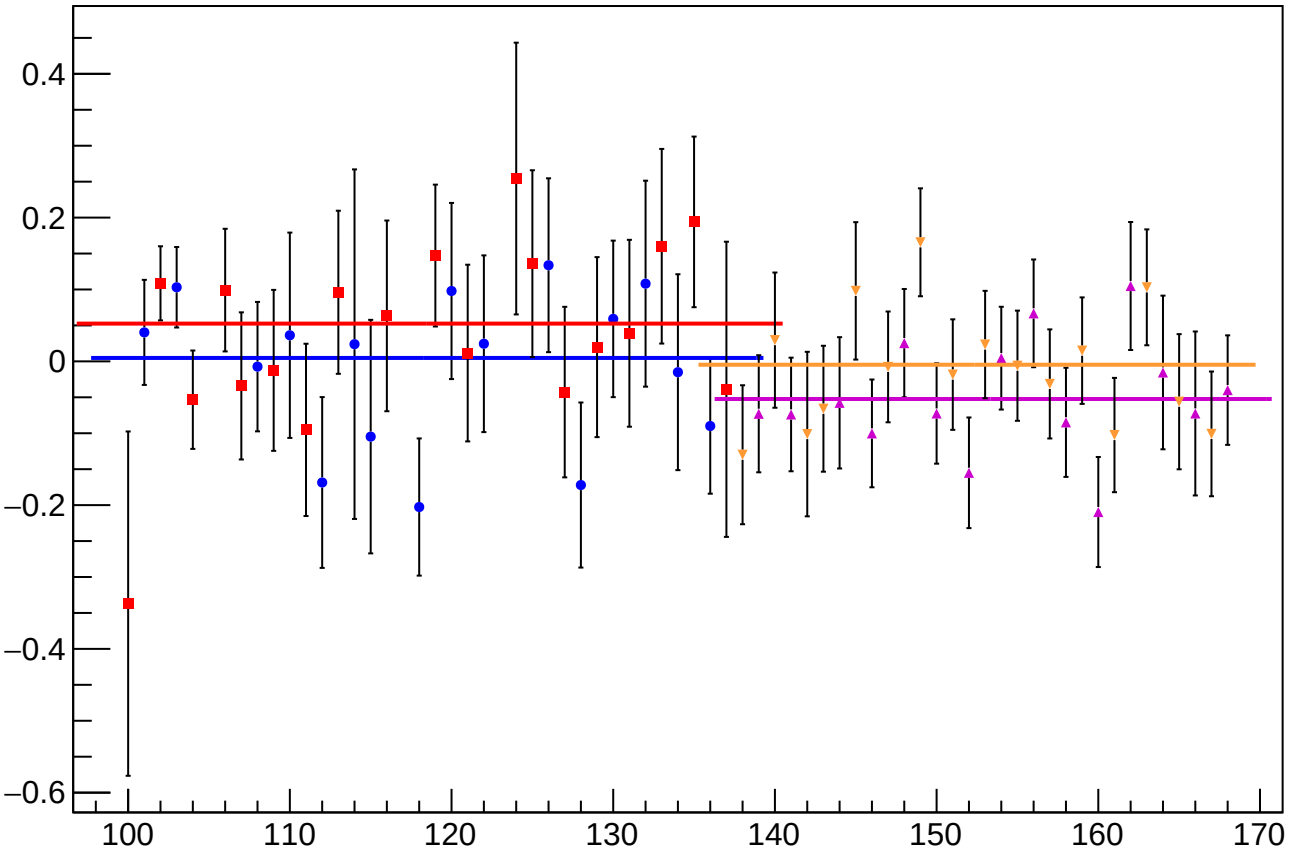
Left: 0.000+/-0.000 χ^2/NDF: 2627679.5/30

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4274145.8/30

Out: 0.000+/-0.000 χ^2/NDF:4813828.0/34

All: 0.000+/-0.000 χ^2/NDF: 9131364.9/65



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.005+/-0.021 χ^2/NDF:14.5/15

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.052+/-0.021 χ^2/NDF:14.3/14

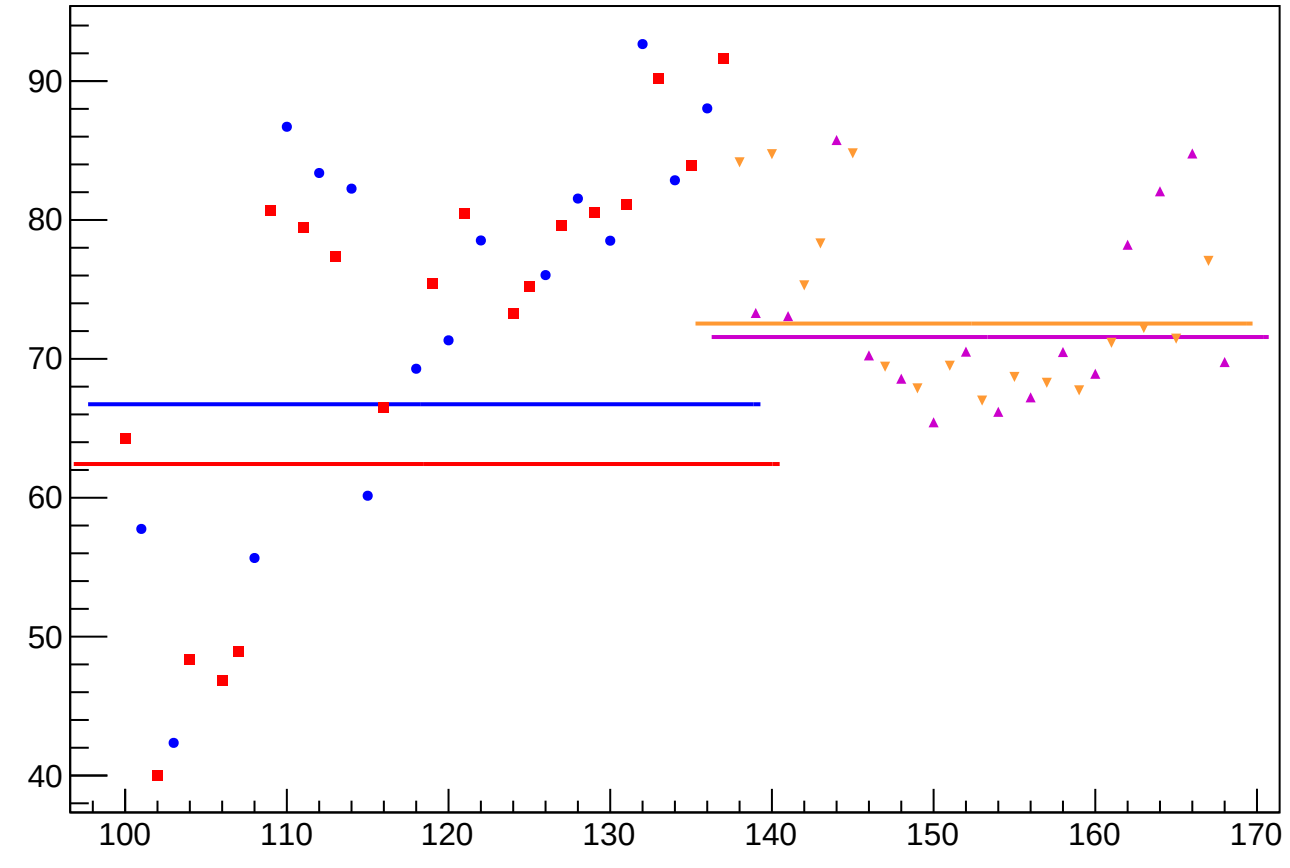
Left: -0.029+/-0.015 χ^2/NDF: 31.5/30

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/30

Out: 0.020+/-0.016 χ^2/NDF:32.6/34

All: -0.005+/-0.011 χ^2/NDF: 71.4/65



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF:156392.8/15

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.573+/-0.015 χ^2/NDF:148743.7/14

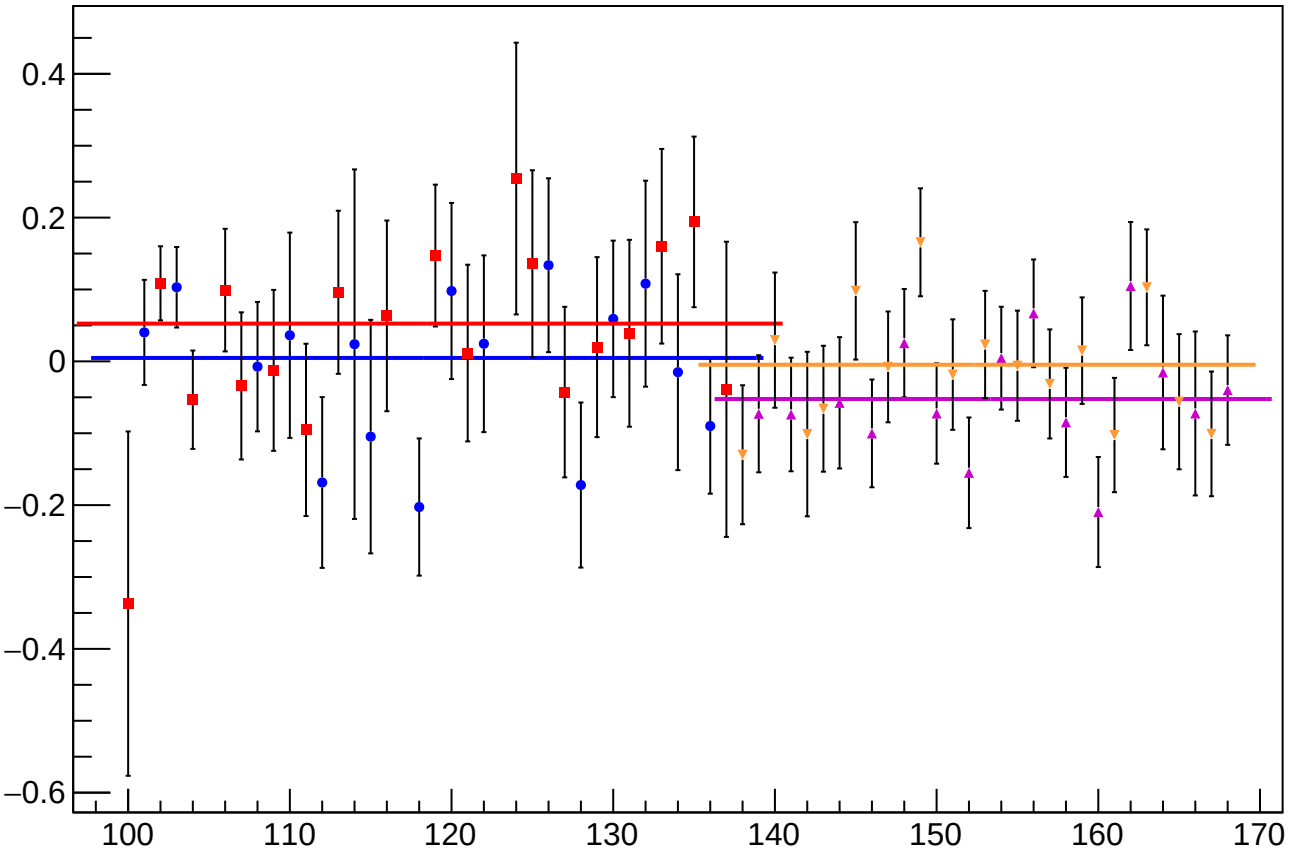
Left: 72.055+/-0.010 χ^2/NDF: 307325.2/30

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.689+/-0.011 χ^2/NDF:1008168.0/30

Out: 68.226+/-0.011 χ^2/NDF:1472558.0/34

All: 68.938+/-0.008 χ^2/NDF: 2489137.1/65



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.005+/-0.021 χ^2/NDF:14.5/15

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.052+/-0.021 χ^2/NDF:14.3/14

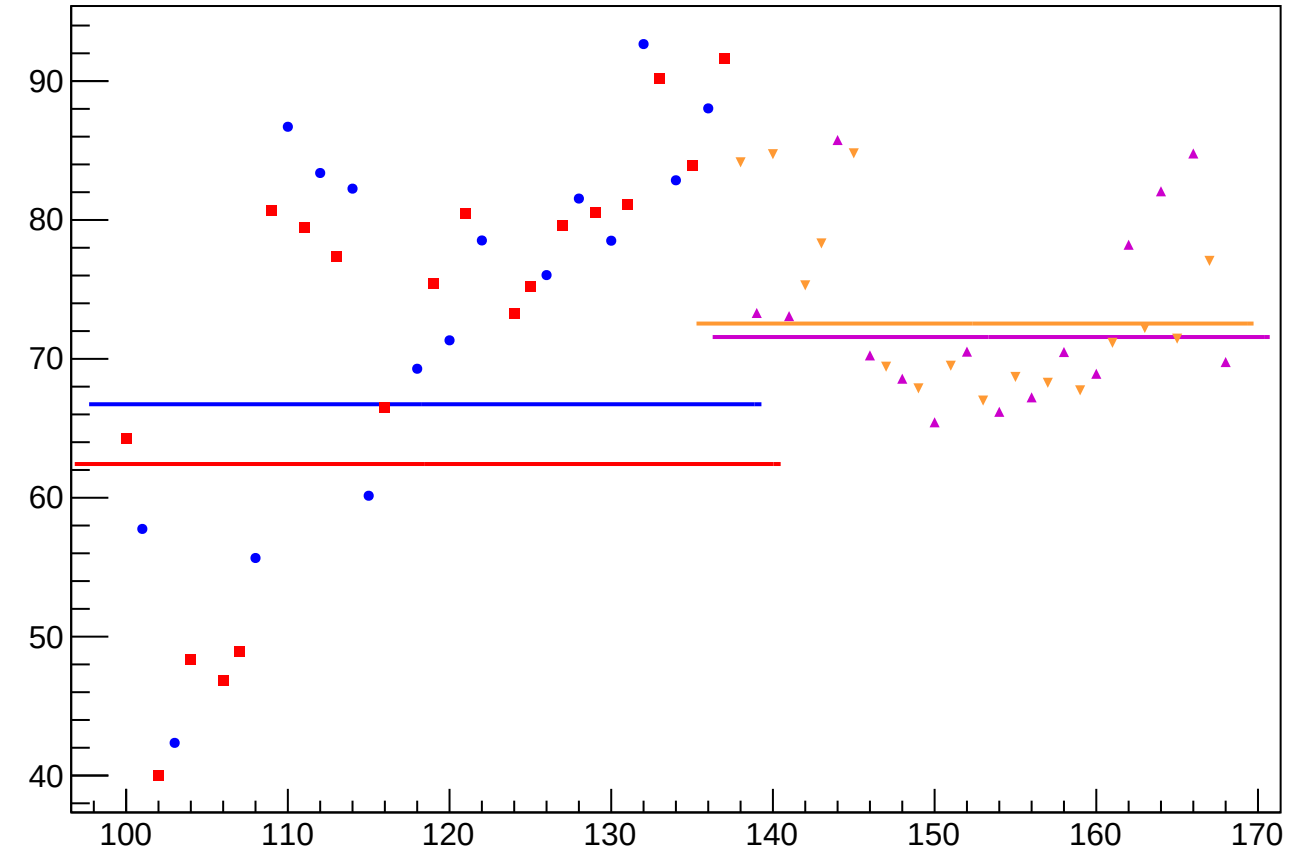
Left: -0.029+/-0.015 χ^2/NDF: 31.5/30

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/30

Out: 0.020+/-0.016 χ^2/NDF:32.6/34

All: -0.005+/-0.011 χ^2/NDF: 71.4/65



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.543+/-0.015 χ^2/NDF:156392.8/15

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.573+/-0.015 χ^2/NDF:148743.7/14

Left: 72.055+/-0.010 χ^2/NDF: 307325.2/30

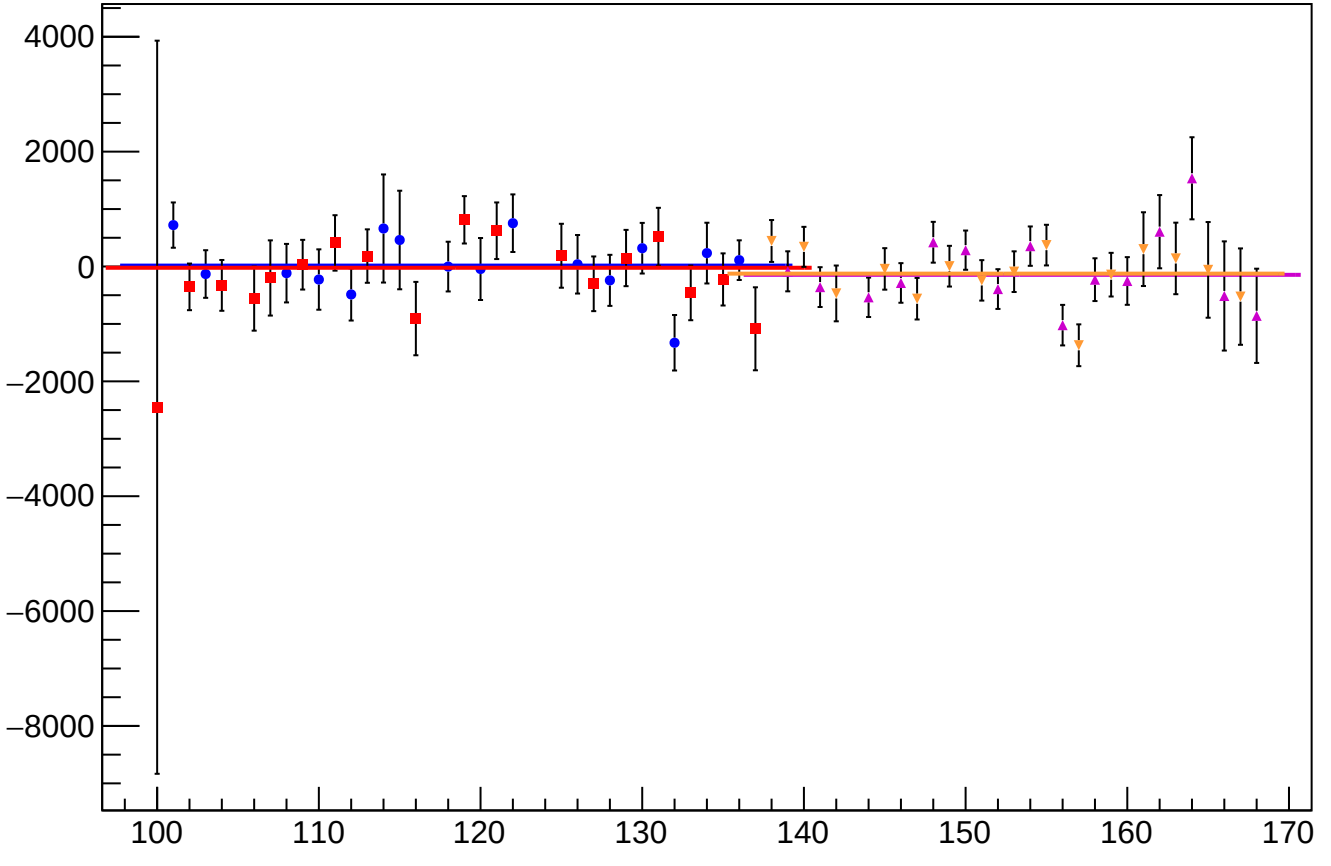
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.689+/-0.011 χ^2/NDF:1008168.0/30

Out: 68.226+/-0.011 χ^2/NDF:1472558.0/34

All: 68.938+/-0.008 χ^2/NDF: 2489137.1/65

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -124.491+/-105.632 χ^2/NDF:21.1/14

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -145.291+/-102.675 χ^2/NDF:22.8/14

Left: -135.187+/-73.625 χ^2/NDF: 43.8/29

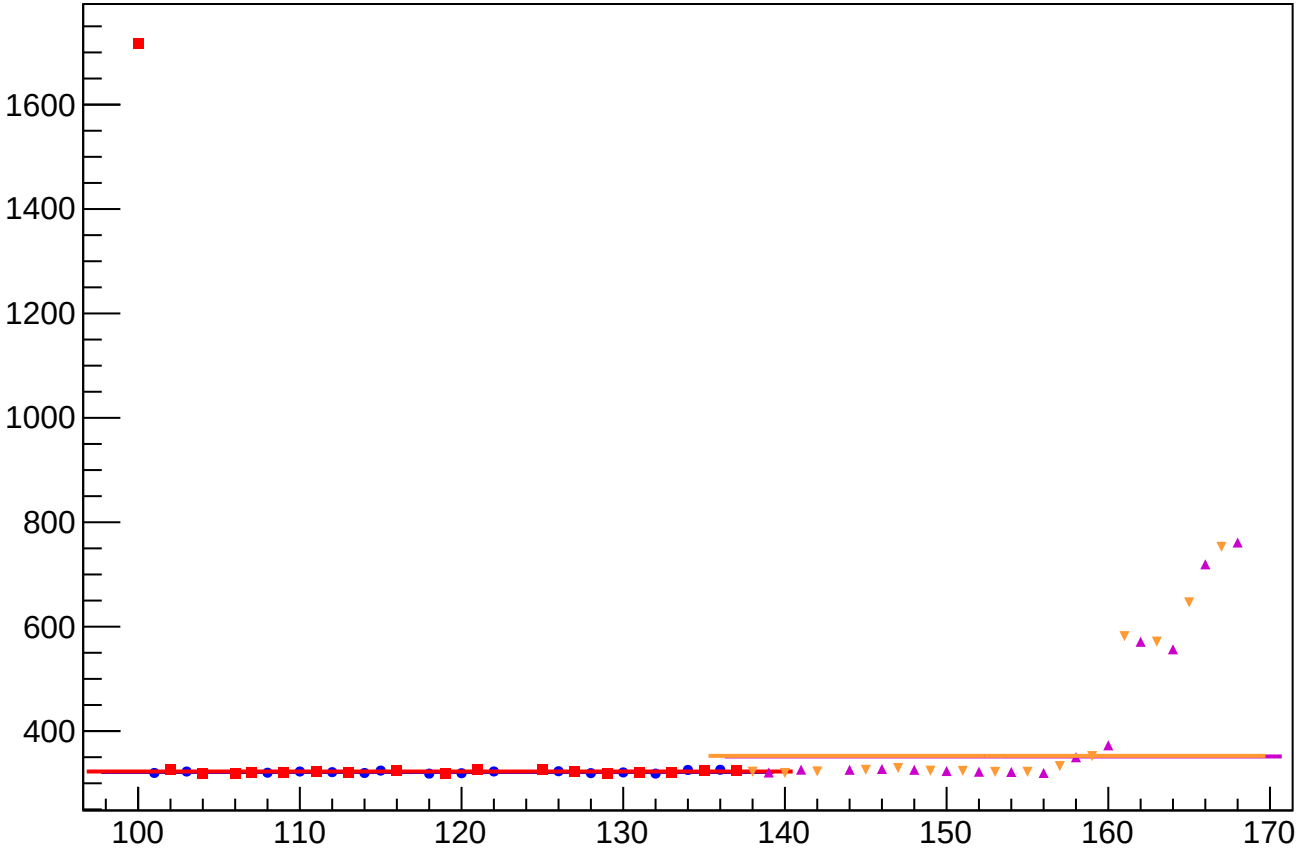
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -76.950+/-77.858 χ^2/NDF:40.3/30

Out: -79.477+/-79.060 χ^2/NDF:37.5/32

All: -78.194+/-55.474 χ^2/NDF: 77.8/63

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 352.558+/-0.075 χ^2/NDF:1326760.3/14

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 351.394+/-0.073 χ^2/NDF:1322378.5/14

Left: 351.959+/-0.052 χ^2/NDF: 2649263.5/29

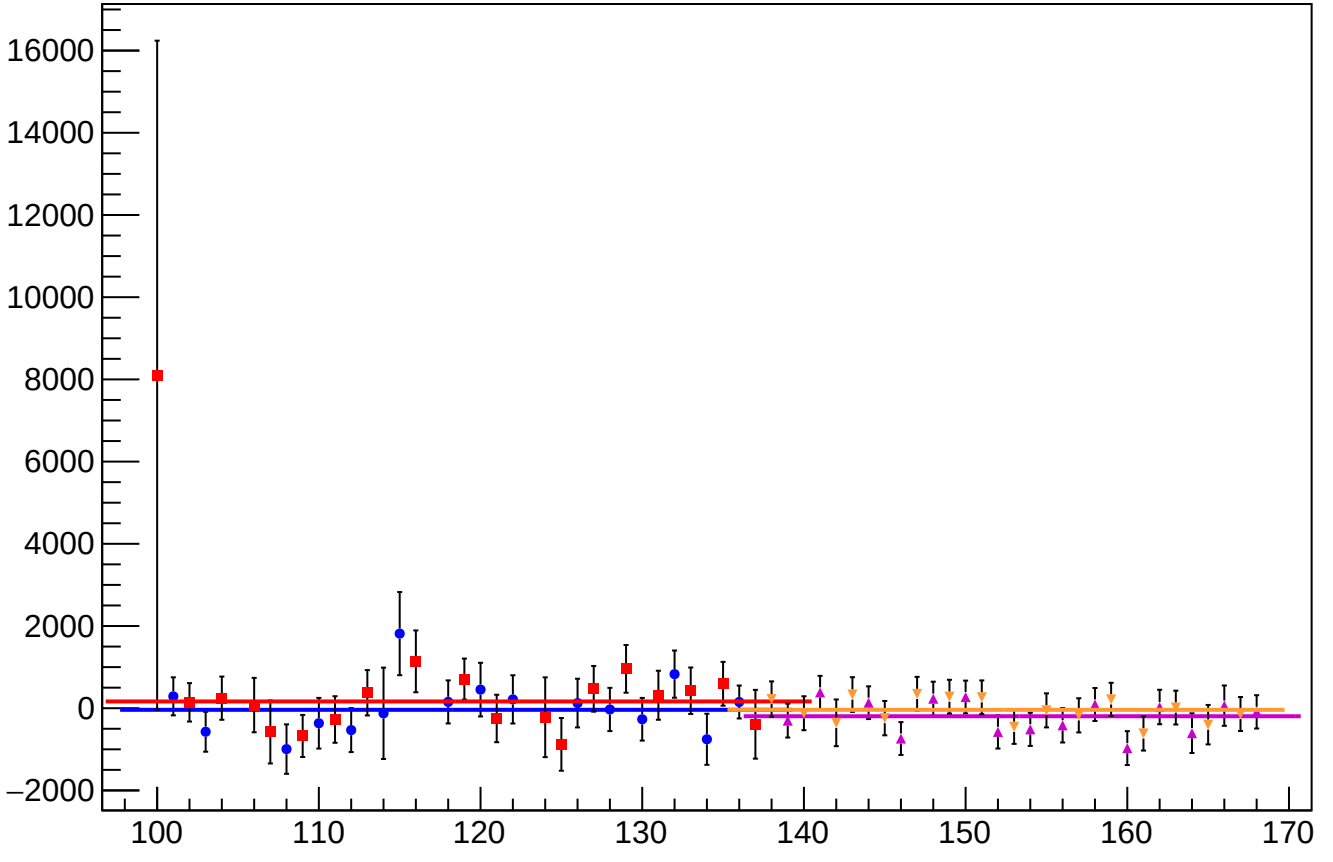
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 338.734+/-0.055 χ^2/NDF:1394753.0/30

Out: 339.361+/-0.056 χ^2/NDF:1494626.5/32

All: 339.042+/-0.039 χ^2/NDF: 2889443.3/63

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -39.441+/-106.118 χ^2/NDF:7.8/15

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -195.145+/-107.216 χ^2/NDF:14.3/14

Left: -116.492+/-75.422 χ^2/NDF: 23.2/30

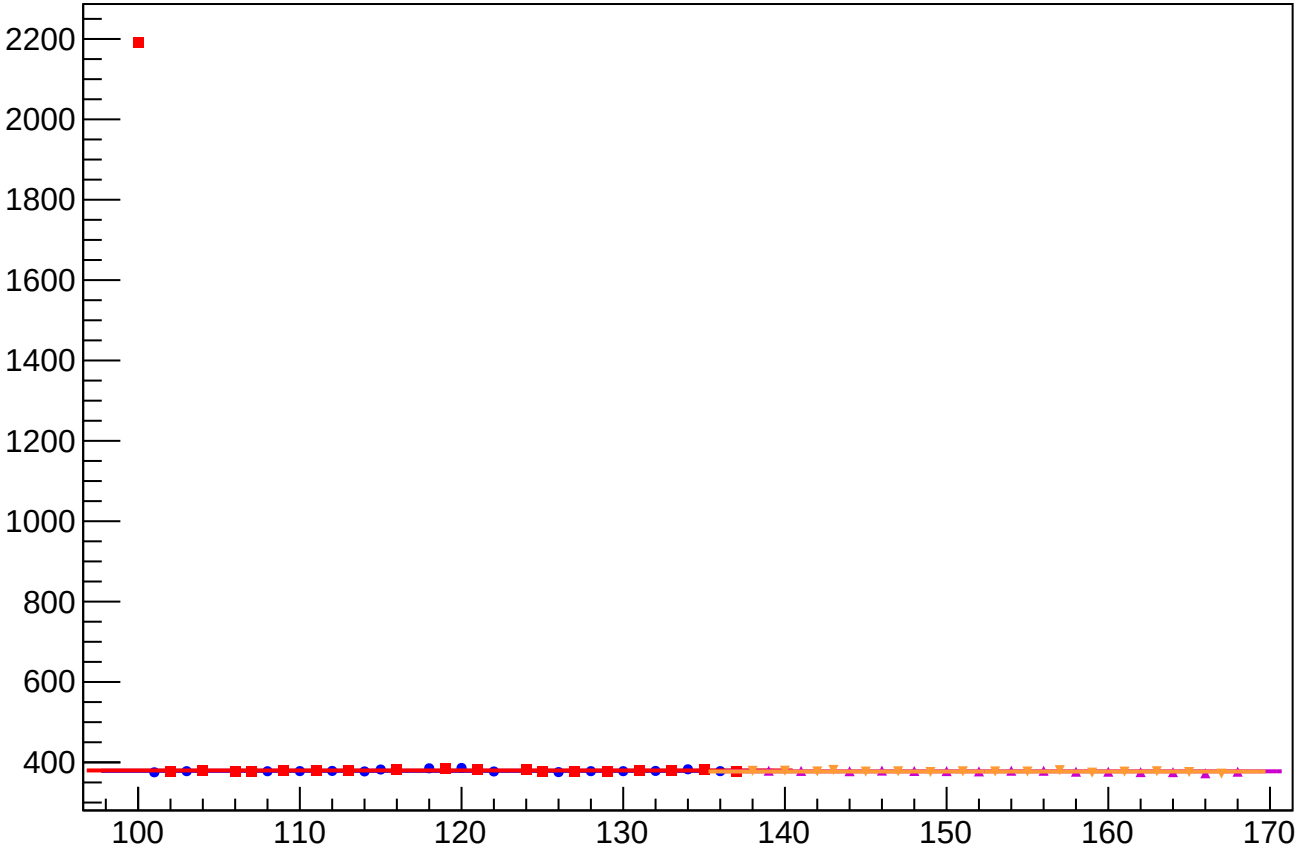
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -137.763+/-85.283 χ^2/NDF:28.8/30

Out: 35.732+/-84.339 χ^2/NDF:24.3/34

All: -50.050+/-59.967 χ^2/NDF: 55.2/65

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.260+/-0.075 χ^2/NDF:856.4/15

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.721+/-0.076 χ^2/NDF:457.7/14

Left: 377.488+/-0.053 χ^2/NDF: 1332.8/30

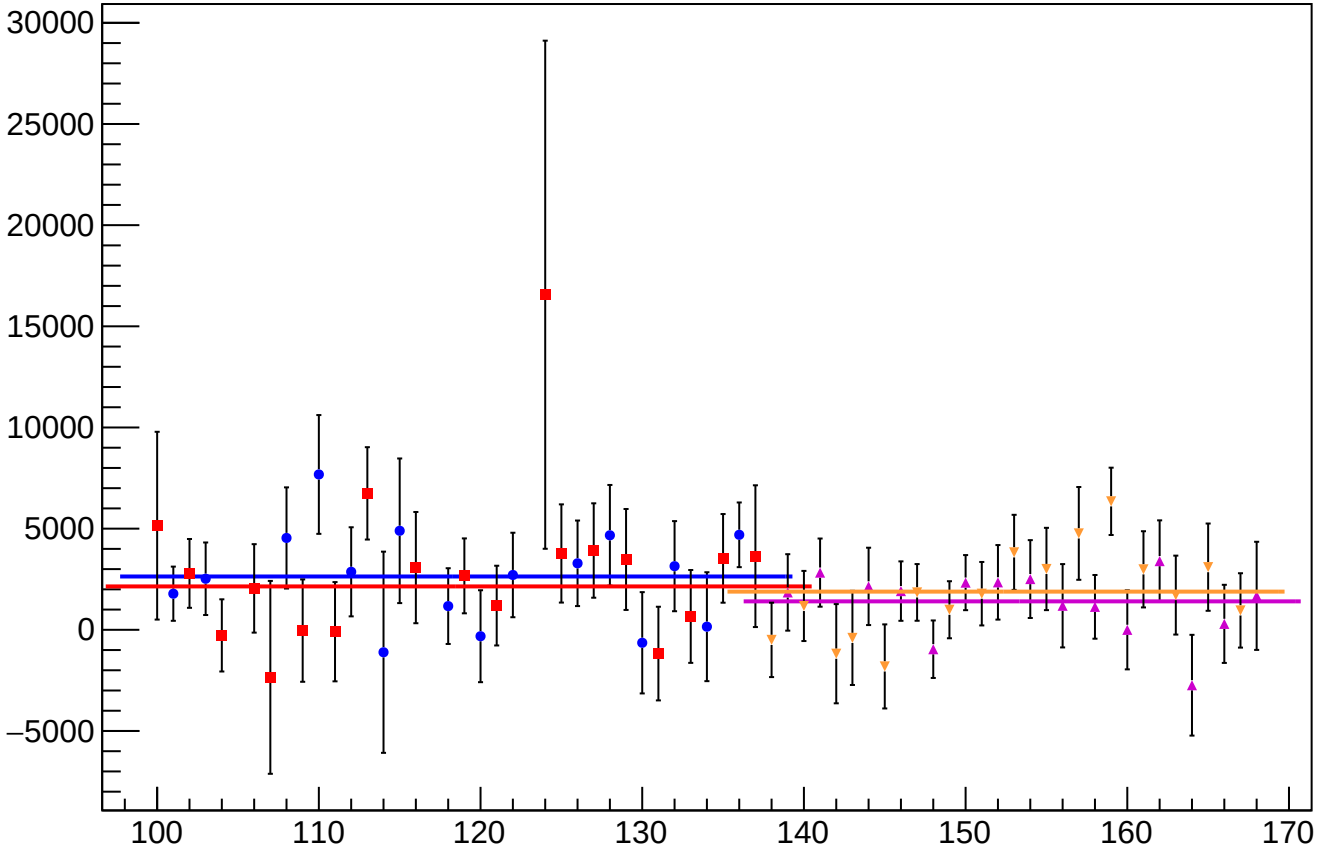
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.158+/-0.060 χ^2/NDF:1399.2/30

Out: 378.224+/-0.060 χ^2/NDF:100926.2/34

All: 378.191+/-0.042 χ^2/NDF: 102326.0/65

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1887.686+/-457.848 χ^2/NDF:19.0/15

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1405.693+/-461.940 χ^2/NDF:9.5/14

Left: 1648.834+/-325.185 χ^2/NDF: 29.1/30

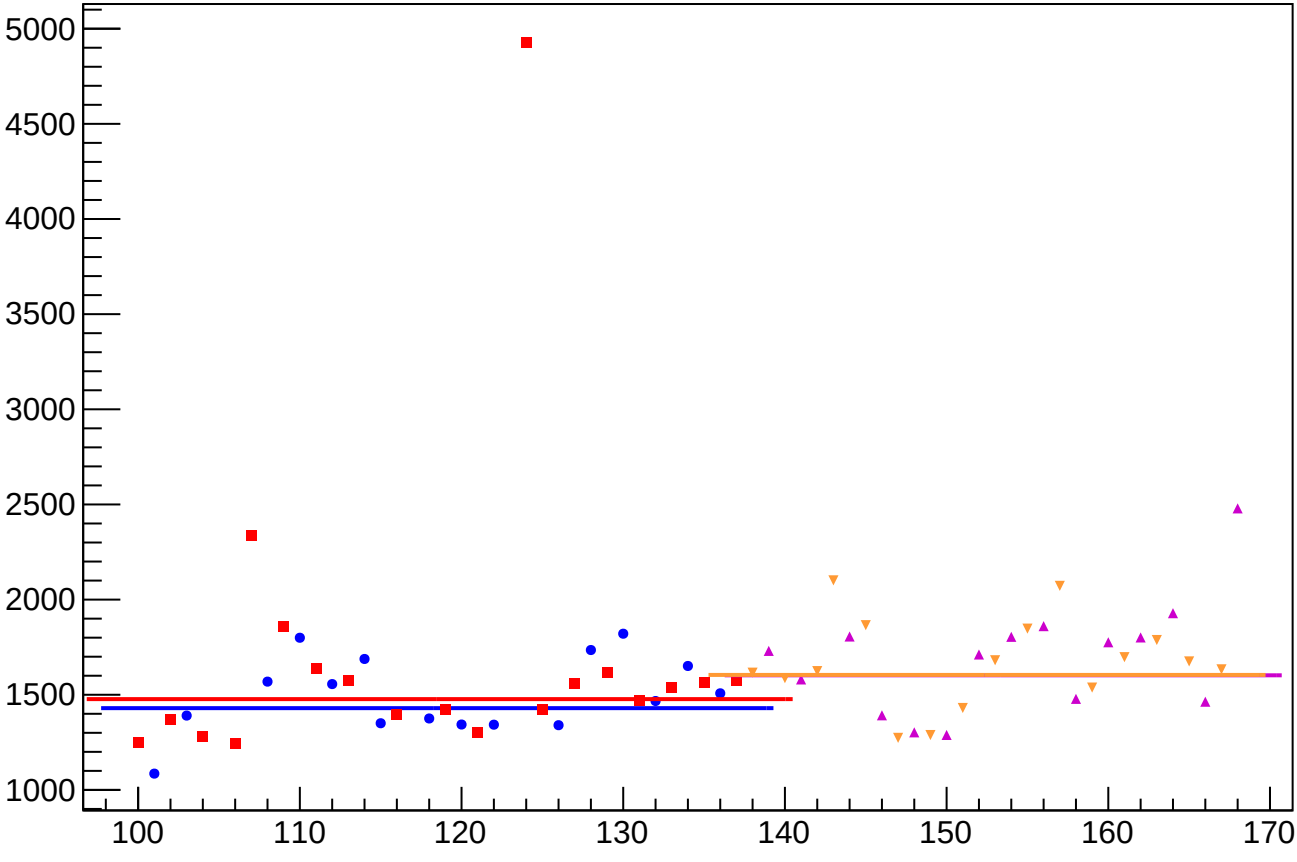
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1927.508+/-350.484 χ^2/NDF:24.8/30

Out: 1993.523+/-351.082 χ^2/NDF:34.2/34

All: 1960.459+/-248.041 χ^2/NDF: 59.0/65

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1604.254+/-0.324 χ^2/NDF:503477.7/15

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1602.232+/-0.327 χ^2/NDF:636598.2/14

Left: 1603.252+/-0.230 χ^2/NDF: 1140095.3/30

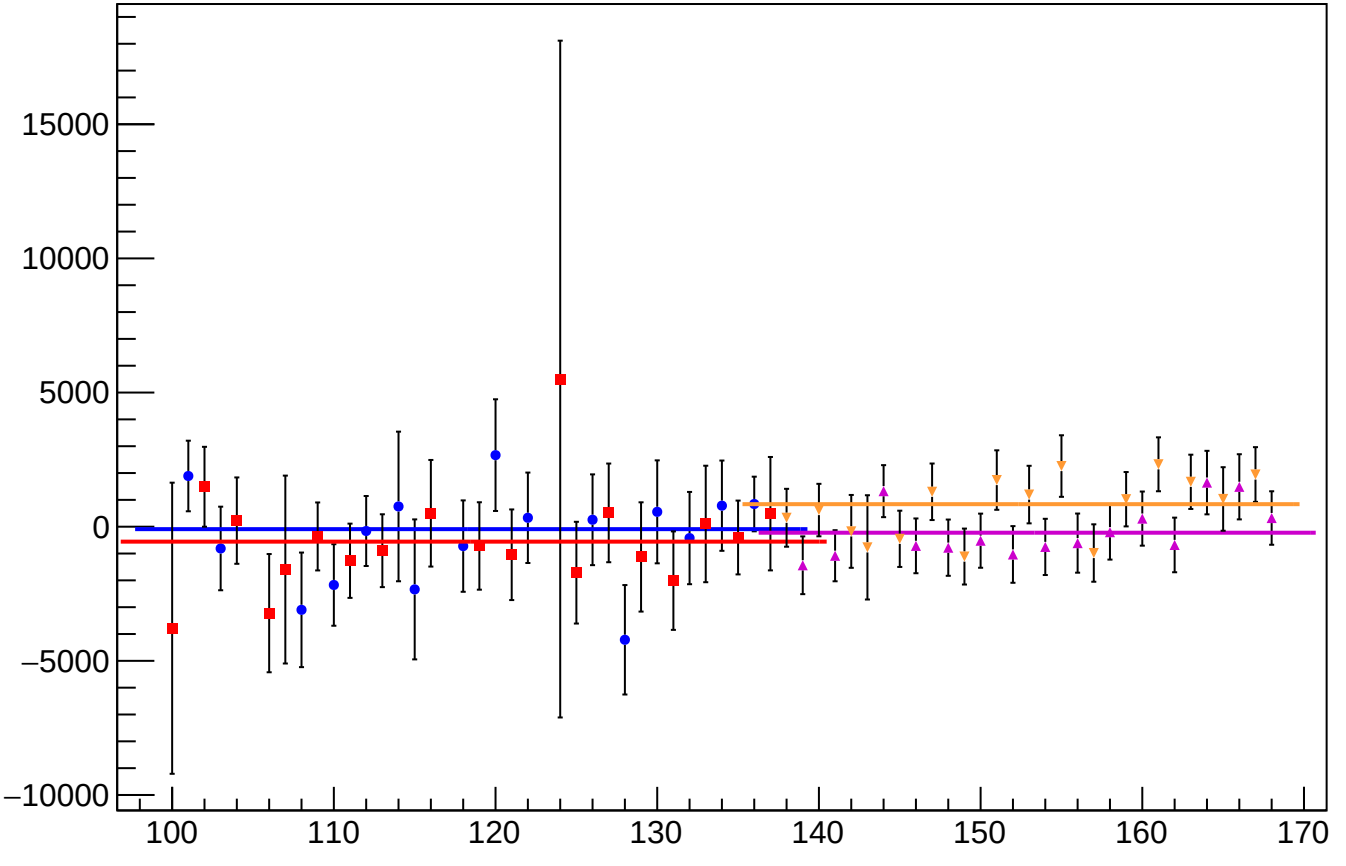
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1529.000+/-0.248 χ^2/NDF:1048439.4/30

Out: 1551.877+/-0.248 χ^2/NDF:936437.6/34

All: 1540.419+/-0.175 χ^2/NDF: 1989130.3/65

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 839.773+/-273.418 χ^2/NDF:16.0/15

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -224.310+/-269.032 χ^2/NDF:11.5/14

Left: 299.129+/-191.766 χ^2/NDF: 35.2/30

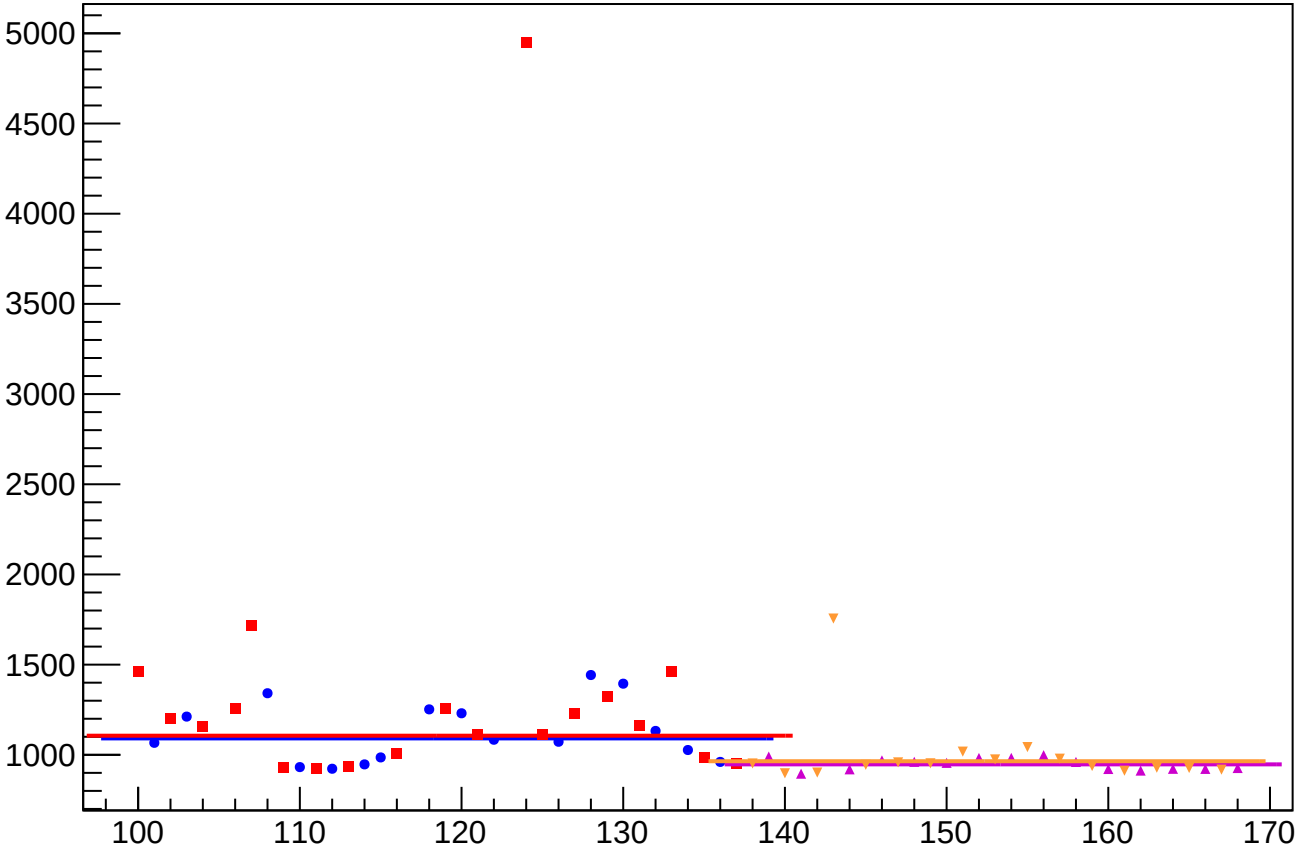
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -184.273+/-224.924 χ^2/NDF:26.1/30

Out: 411.811+/-227.705 χ^2/NDF:30.8/34

All: 110.107+/-160.019 χ^2/NDF: 60.3/65

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 964.480+/-0.193 χ^2/NDF:376444.3/15

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 947.119+/-0.190 χ^2/NDF:27527.5/14

Left: 955.659+/-0.136 χ^2/NDF: 408068.8/30

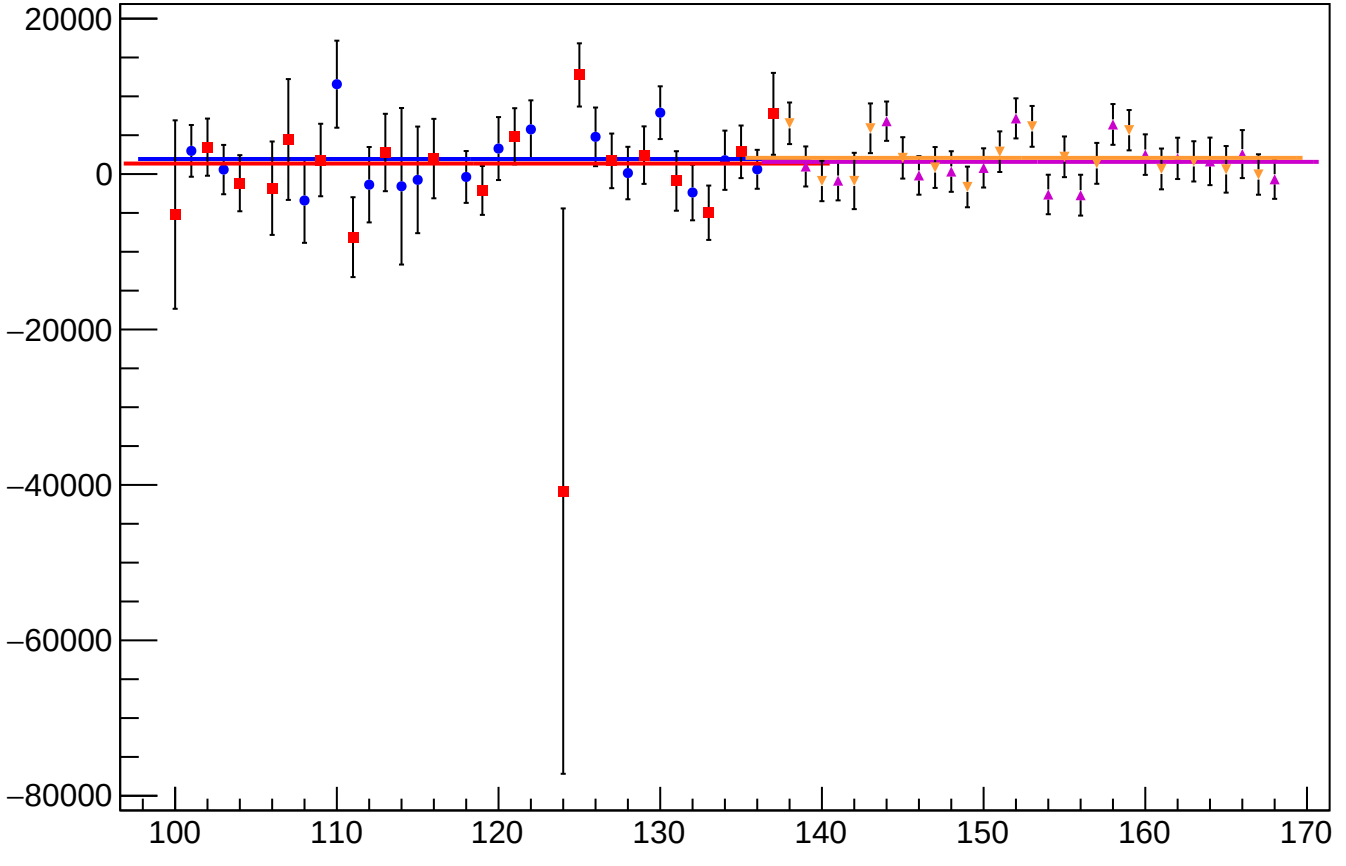
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 990.443+/-0.159 χ^2/NDF:477126.8/30

Out: 1007.860+/-0.161 χ^2/NDF:1054836.8/34

All: 999.044+/-0.113 χ^2/NDF: 1537886.5/65

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.903+/-677.812 χ^2/NDF:14.1/15

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1569.206+/-677.181 χ^2/NDF:20.6/14

Left: 1825.816+/-479.062 χ^2/NDF: 35.0/30

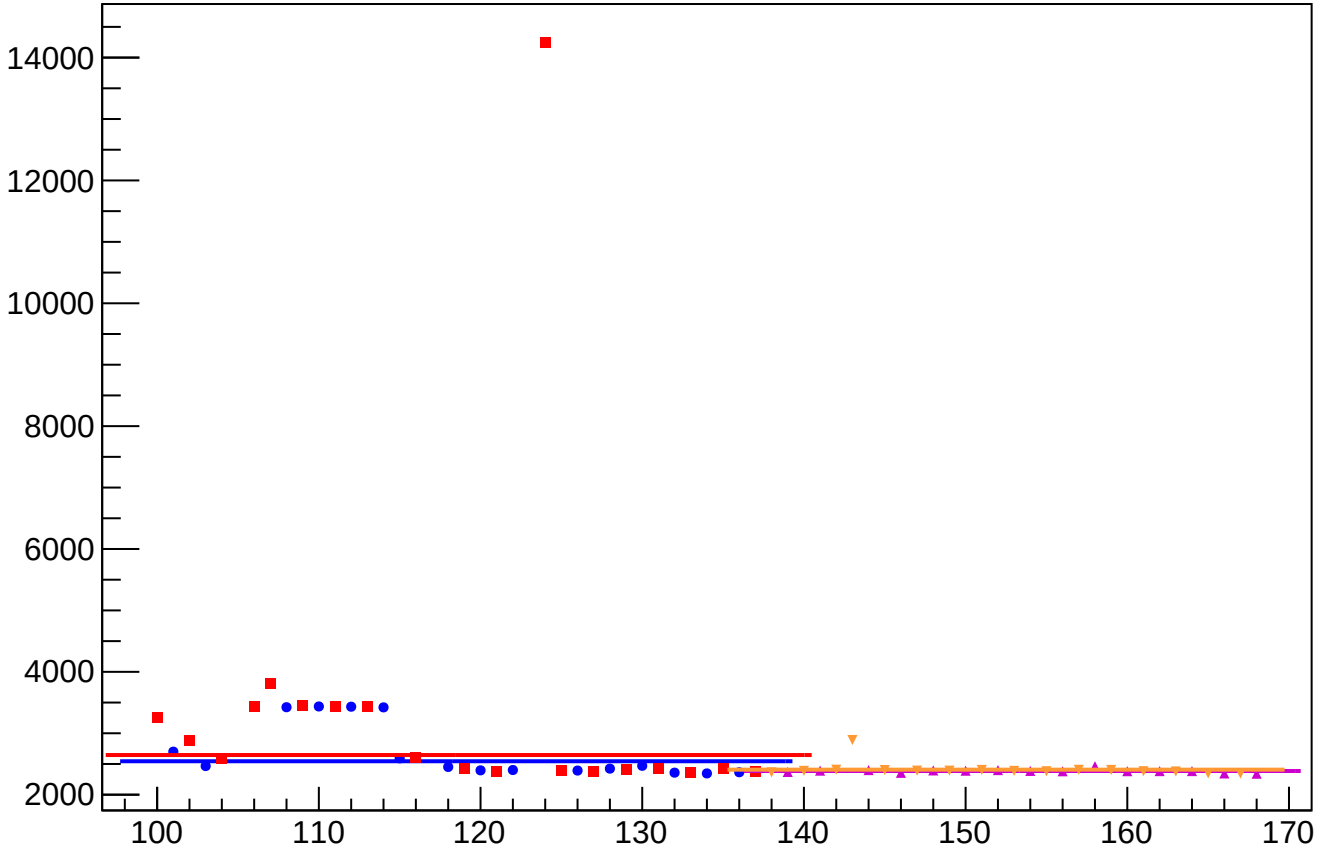
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1693.577+/-551.921 χ^2/NDF:32.9/30

Out: 1848.520+/-558.402 χ^2/NDF:36.3/34

All: 1770.144+/-392.538 χ^2/NDF: 69.2/65

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

Left: 2396.556+/-0.339 χ^2/NDF: 53445.6/30

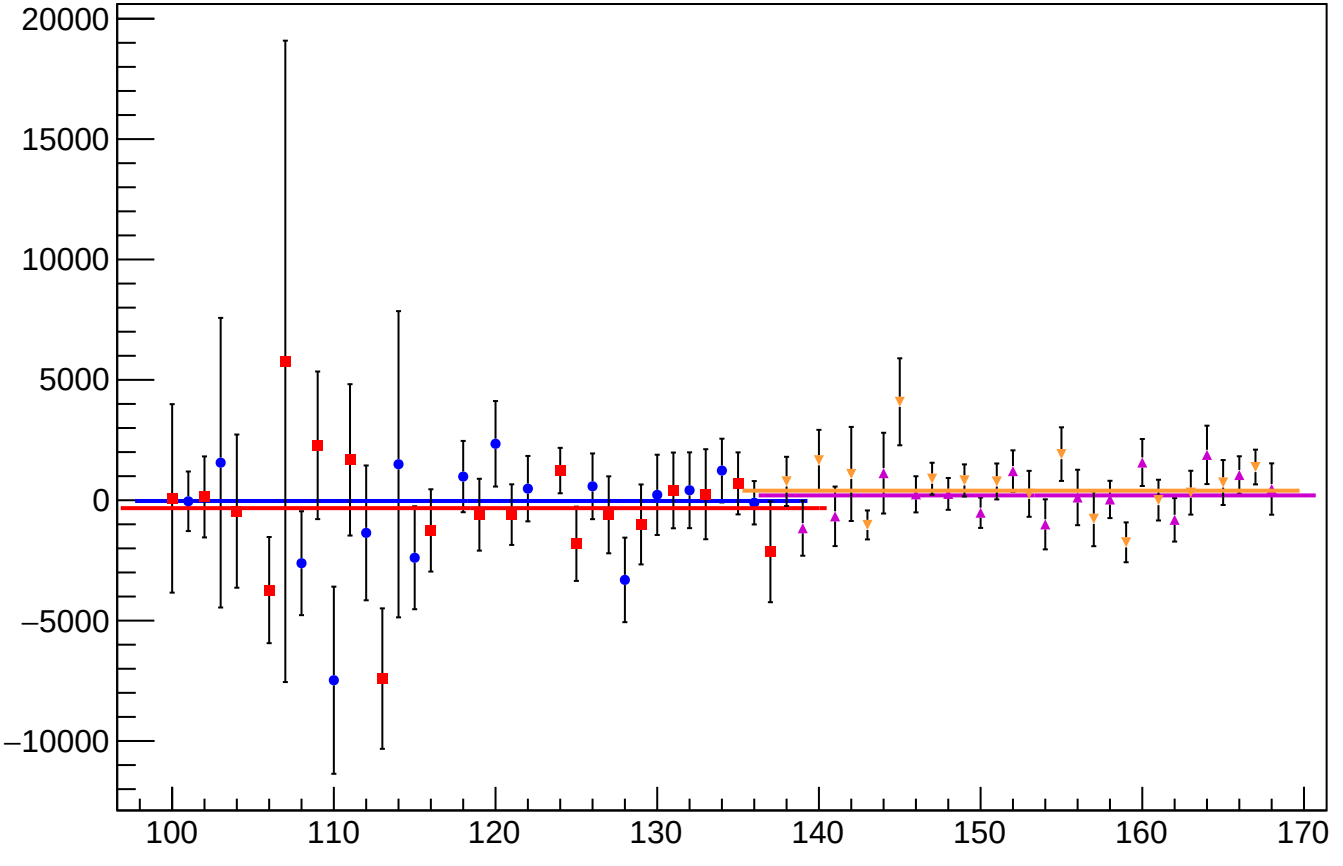
Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2438.985+/-0.390 χ^2/NDF:265765.7/30

Out: 2483.971+/-0.395 χ^2/NDF:665487.1/34

All: 2461.216+/-0.278 χ^2/NDF: 937818.7/65

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 397.085+/-217.955 χ^2/NDF:24.1/15

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 200.752+/-232.378 χ^2/NDF:12.7/14

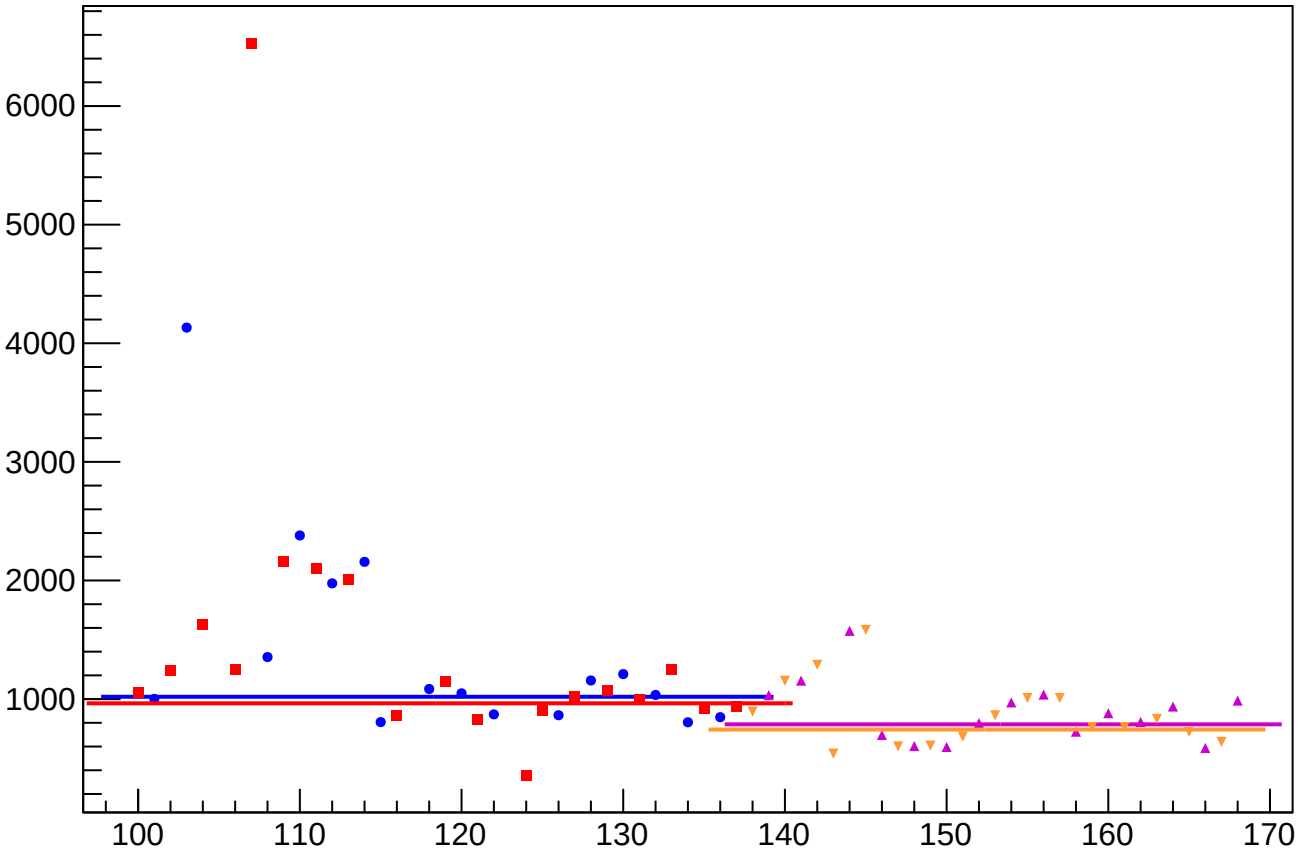
Left: 305.200+/-158.972 χ^2/NDF: 37.2/30

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 143.459+/-201.646 χ^2/NDF:26.7/30

Out: 230.060+/-191.230 χ^2/NDF:42.3/34

All: 189.054+/-138.756 χ^2/NDF: 69.1/65



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 743.272+/-0.154 χ^2/NDF:1579075.9/15

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 787.135+/-0.164 χ^2/NDF:1499531.8/14

Left: 763.800+/-0.112 χ^2/NDF: 3116516.7/30

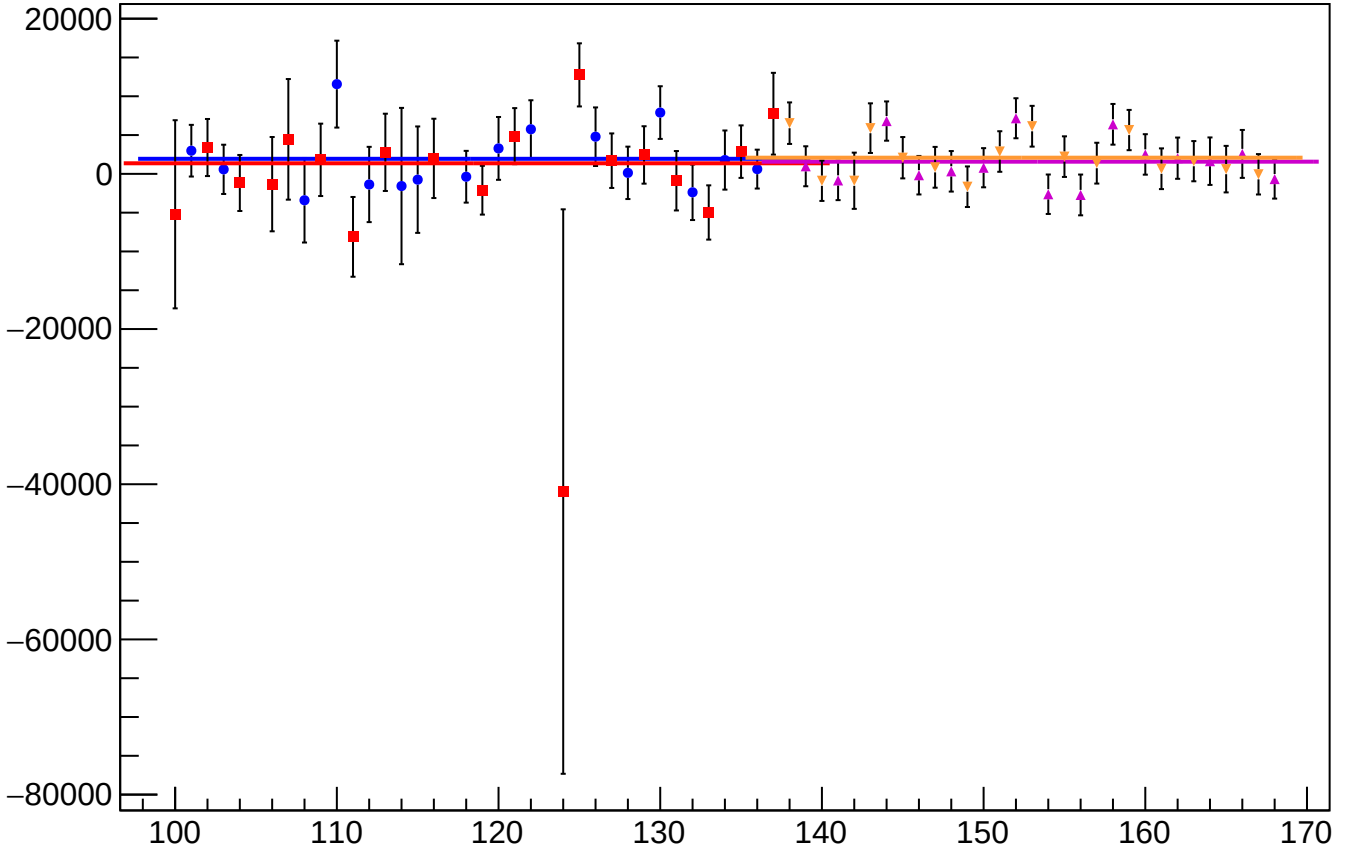
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 844.537+/-0.143 χ^2/NDF:3358337.0/30

Out: 794.171+/-0.135 χ^2/NDF:4362248.0/34

All: 818.020+/-0.098 χ^2/NDF: 7786278.0/65

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1569.272+/-677.181 χ^2/NDF:20.6/14

Left: 1825.828+/-479.062 χ^2/NDF: 35.0/30

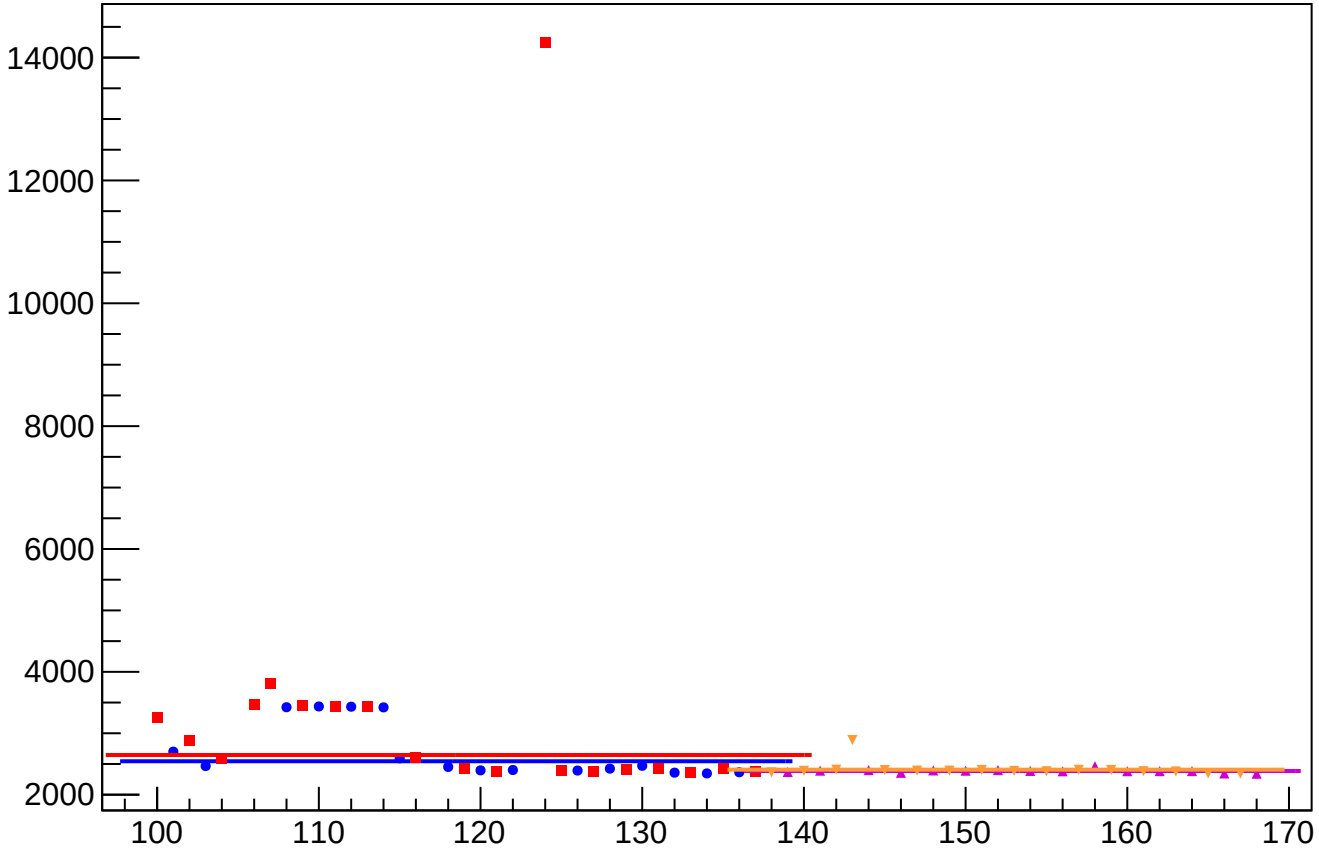
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1693.738+/-551.921 χ^2/NDF:32.9/30

Out: 1851.692+/-558.456 χ^2/NDF:36.2/34

All: 1771.785+/-392.557 χ^2/NDF: 69.1/65

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

Left: 2396.556+/-0.339 χ^2/NDF: 53445.6/30

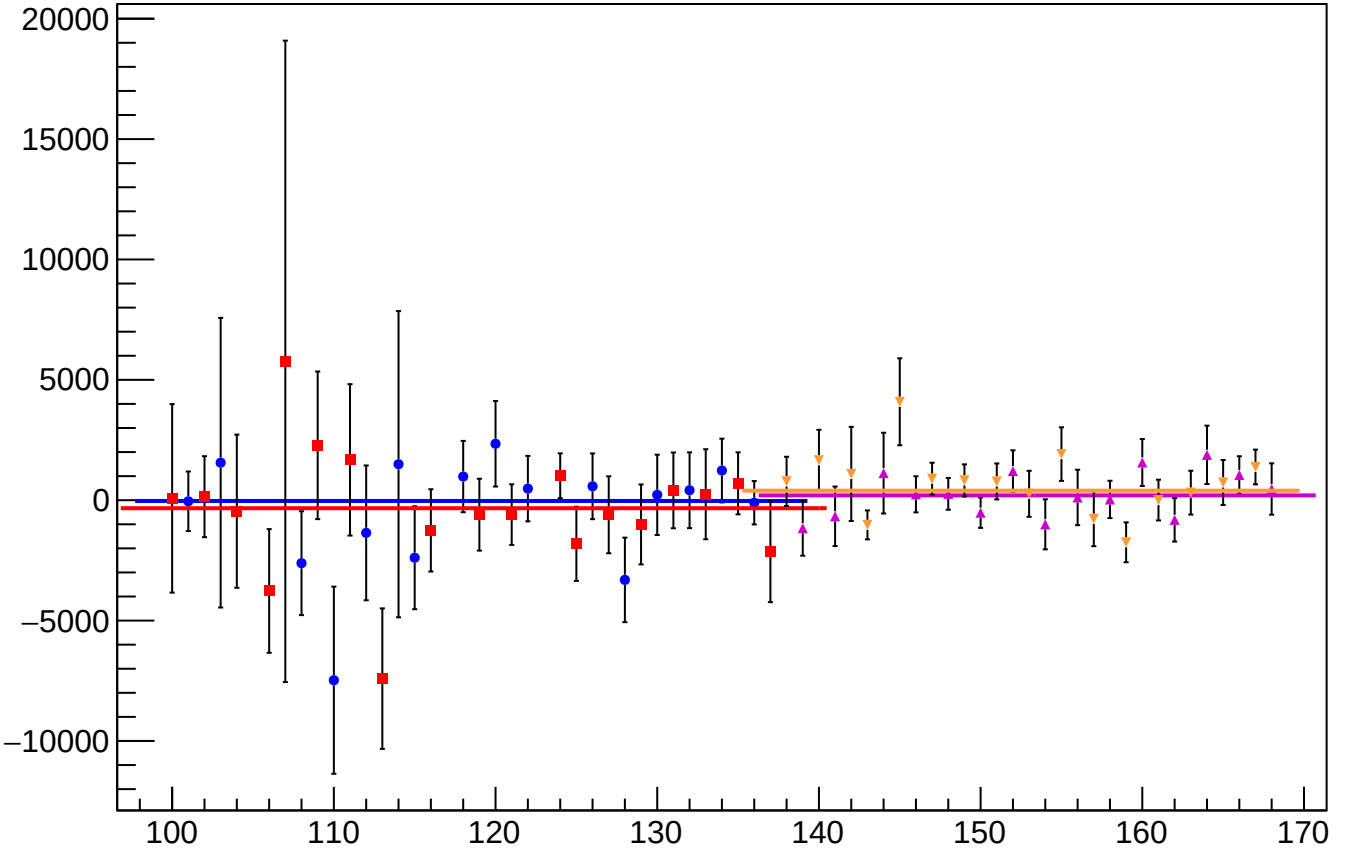
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2438.986+/-0.390 χ^2/NDF:265765.7/30

Out: 2484.118+/-0.395 χ^2/NDF:668406.8/34

All: 2461.286+/-0.278 χ^2/NDF: 940780.7/65

asym_atl1_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 397.075+/-217.957 χ^2/NDF:24.1/15

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 200.802+/-232.379 χ^2/NDF:12.7/14

Left: 305.218+/-158.973 χ^2/NDF: 37.2/30

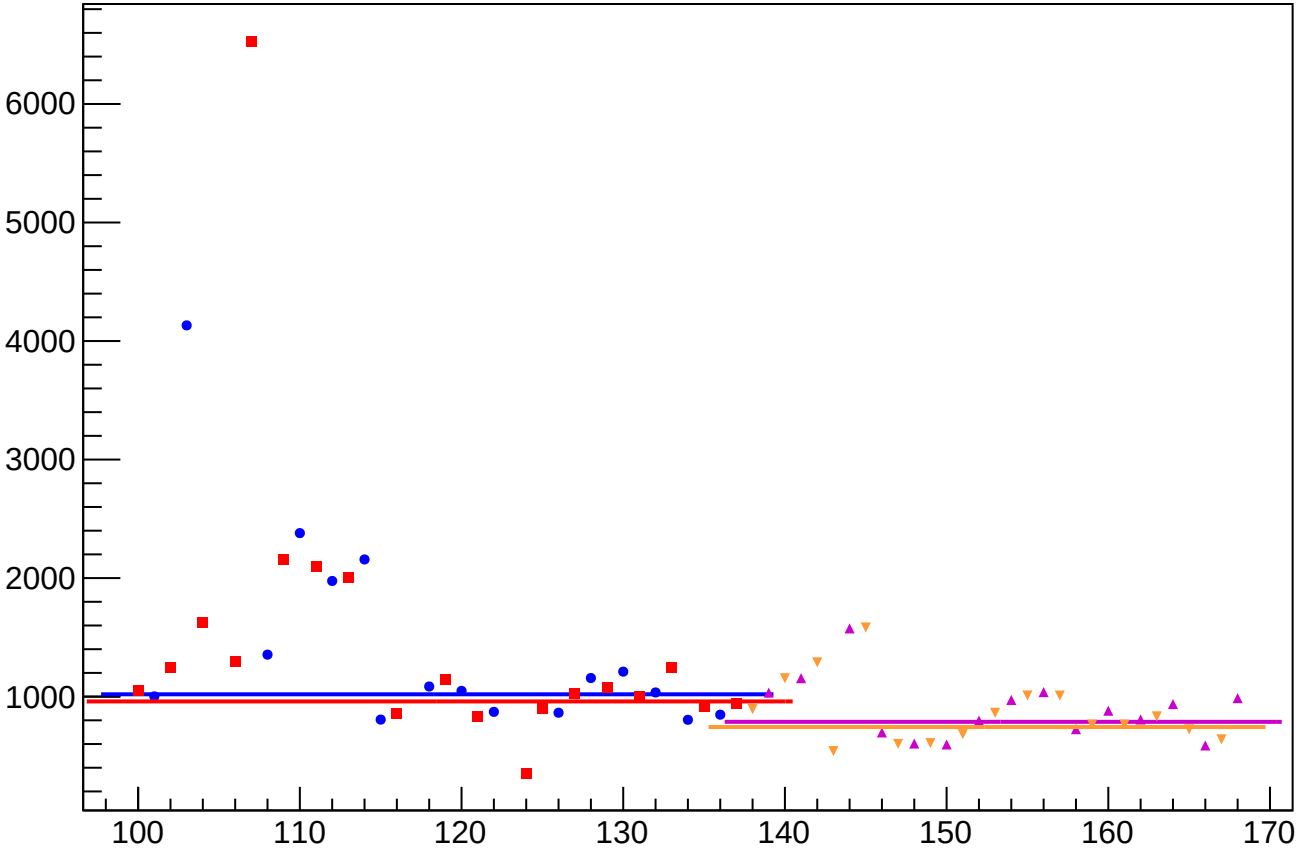
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 143.481+/-201.646 χ^2/NDF:26.7/30

Out: 229.743+/-191.316 χ^2/NDF:41.1/34

All: 188.878+/-138.789 χ^2/NDF: 67.9/65

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 787.133+/-0.164 χ^2/NDF:1499709.5/14

Left: 763.804+/-0.112 χ^2/NDF: 3116683.8/30

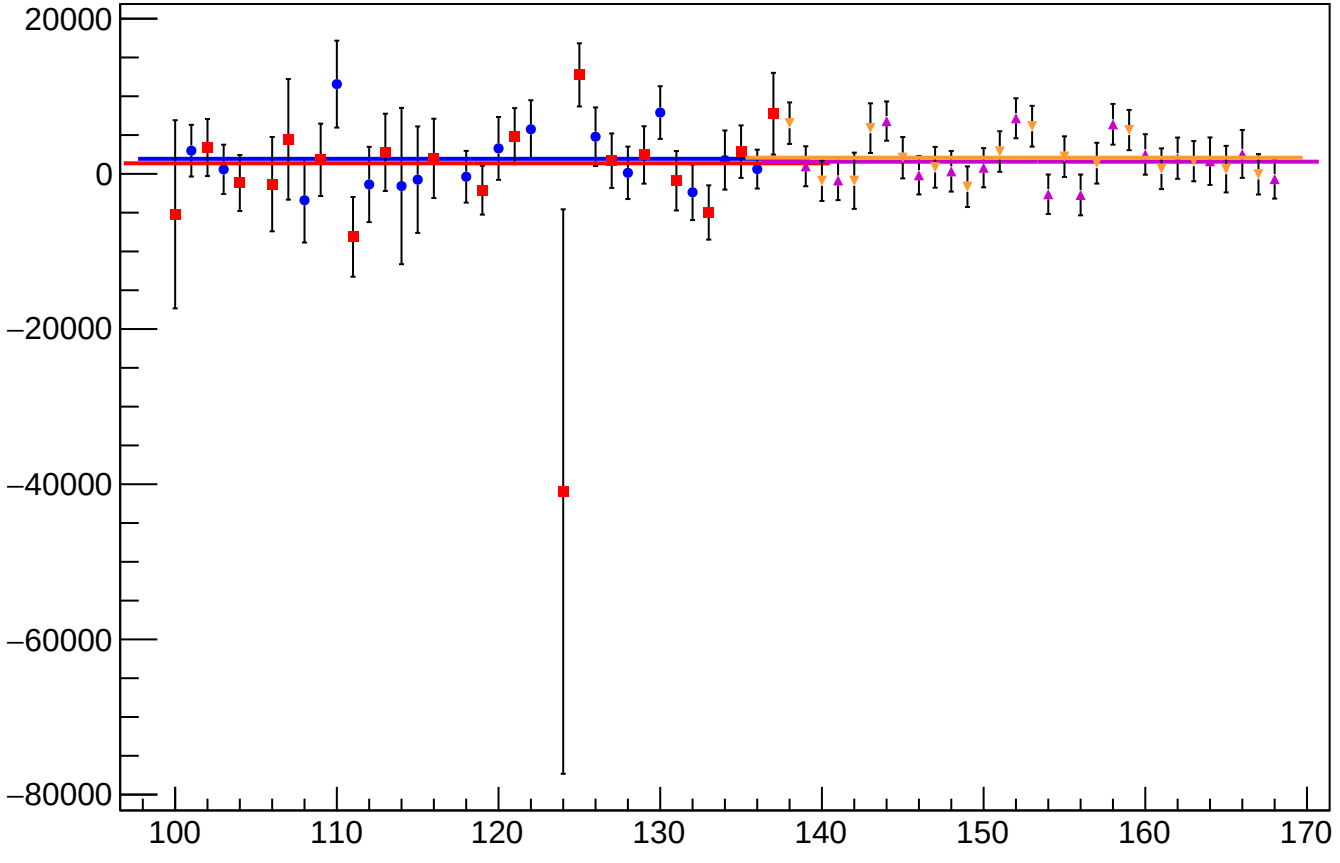
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 844.534+/-0.143 χ^2/NDF:3358489.5/30

Out: 792.873+/-0.135 χ^2/NDF:4374624.8/34

All: 817.346+/-0.098 χ^2/NDF: 7802199.8/65

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2082.861+/-677.812 χ^2/NDF:14.1/15

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1569.272+/-677.181 χ^2/NDF:20.6/14

Left: 1825.828+/-479.062 χ^2/NDF: 35.0/30

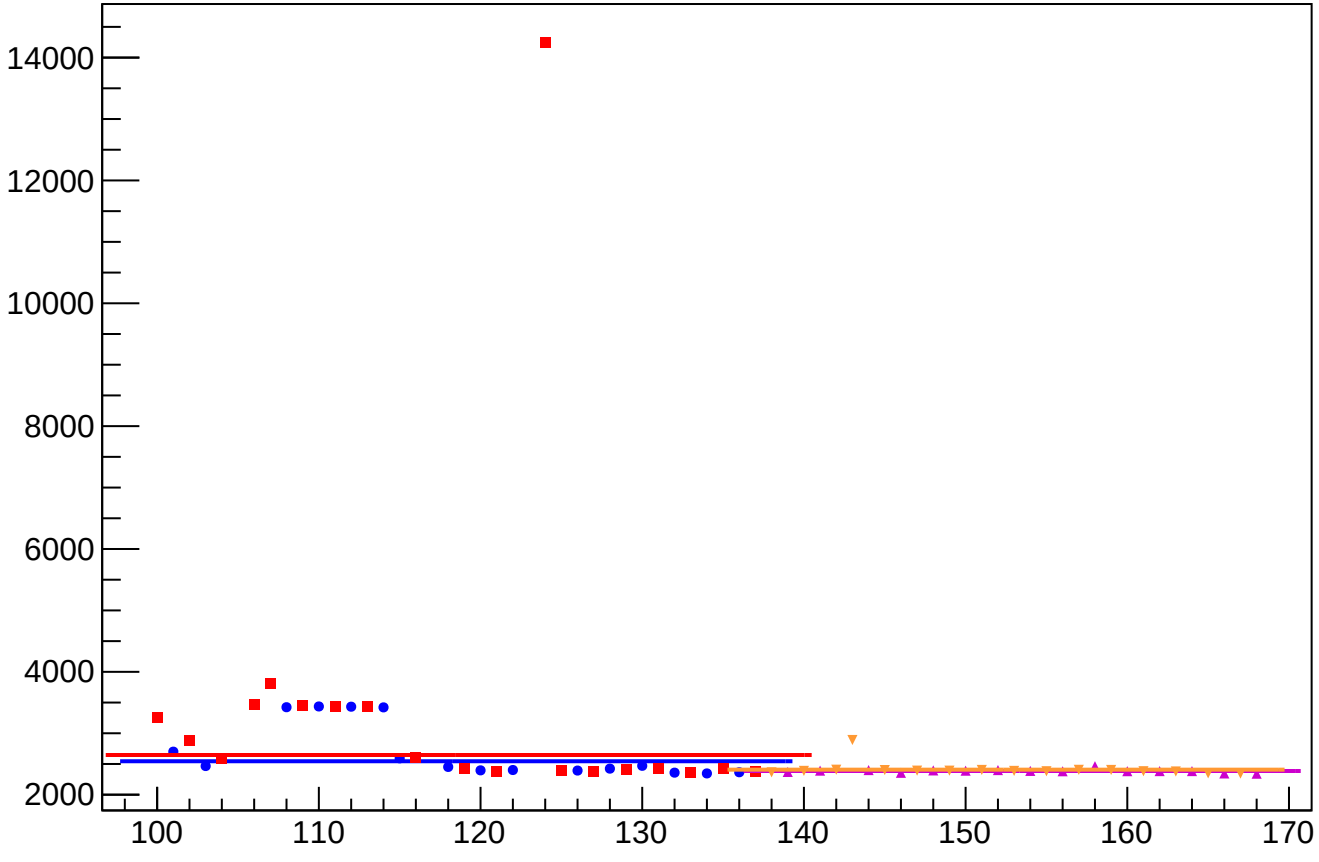
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1693.738+/-551.921 χ^2/NDF:32.9/30

Out: 1851.692+/-558.456 χ^2/NDF:36.2/34

All: 1771.785+/-392.557 χ^2/NDF: 69.1/65

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2407.432+/-0.479 χ^2/NDF:49150.2/15

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2385.700+/-0.479 χ^2/NDF:3266.4/14

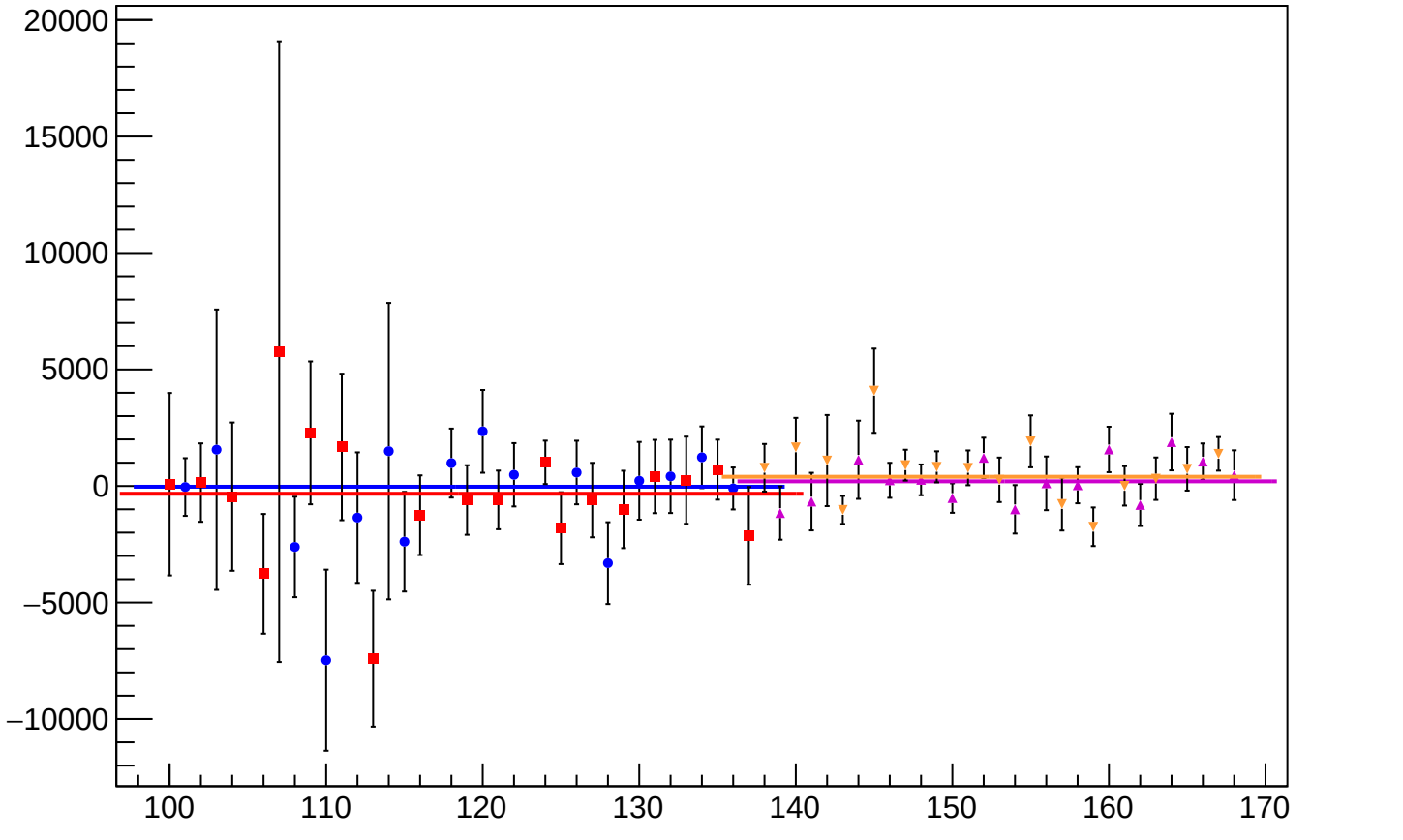
Left: 2396.556+/-0.339 χ^2/NDF: 53445.6/30

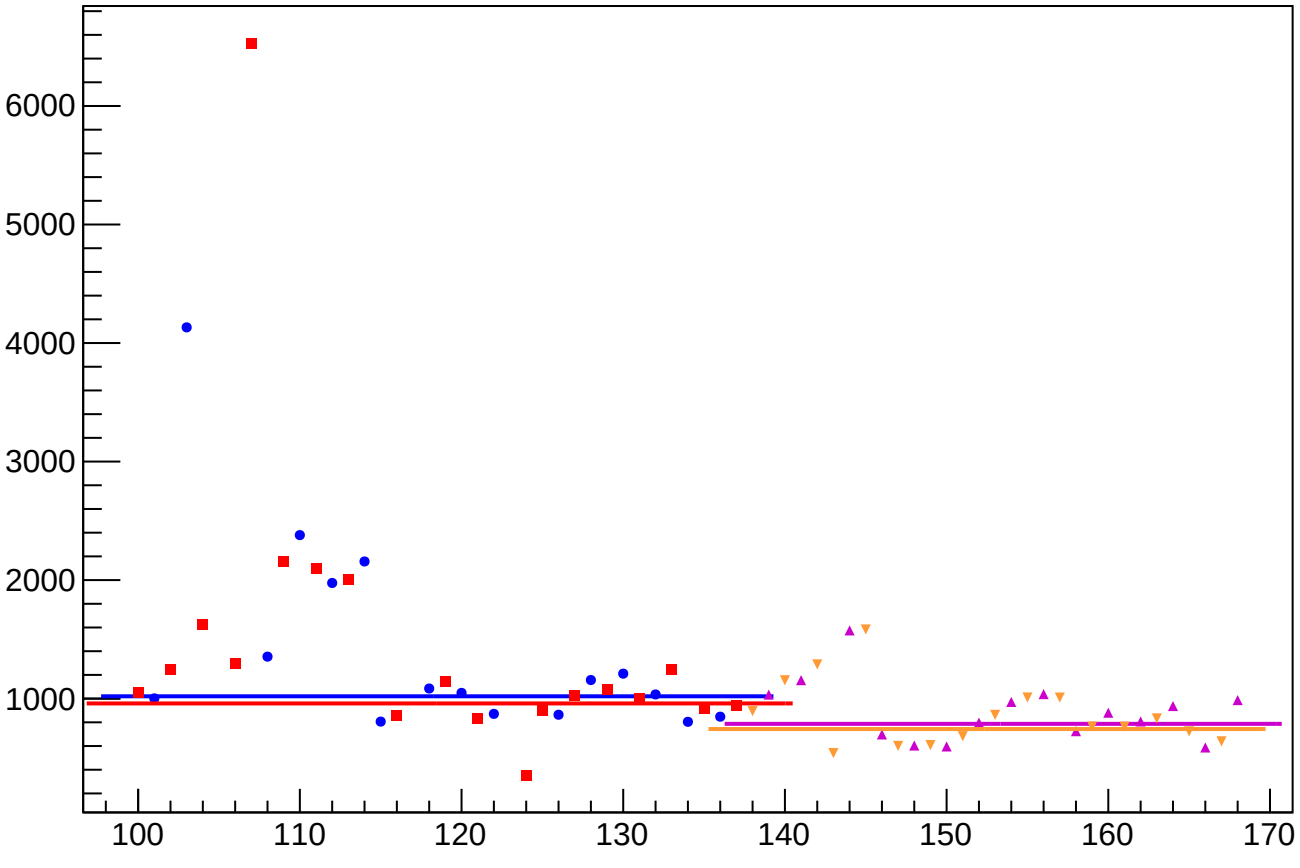
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2438.986+/-0.390 χ^2/NDF:265765.7/30

Out: 2484.118+/-0.395 χ^2/NDF:668406.8/34

All: 2461.286+/-0.278 χ^2/NDF: 940780.7/65


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 397.075+/-217.957 χ²/NDF:24.1/15
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 200.802+/-232.379 χ²/NDF:12.7/14
Left: 305.218+/-158.973 χ²/NDF: 37.2/30
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 143.481+/-201.646 χ²/NDF:26.7/30
Out: 229.743+/-191.316 χ²/NDF:41.1/34
All: 188.878+/-138.789 χ²/NDF: 67.9/65



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 743.281+/-0.154 χ^2/NDF:1579085.1/15

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 787.133+/-0.164 χ^2/NDF:1499709.5/14

Left: 763.804+/-0.112 χ^2/NDF: 3116683.8/30

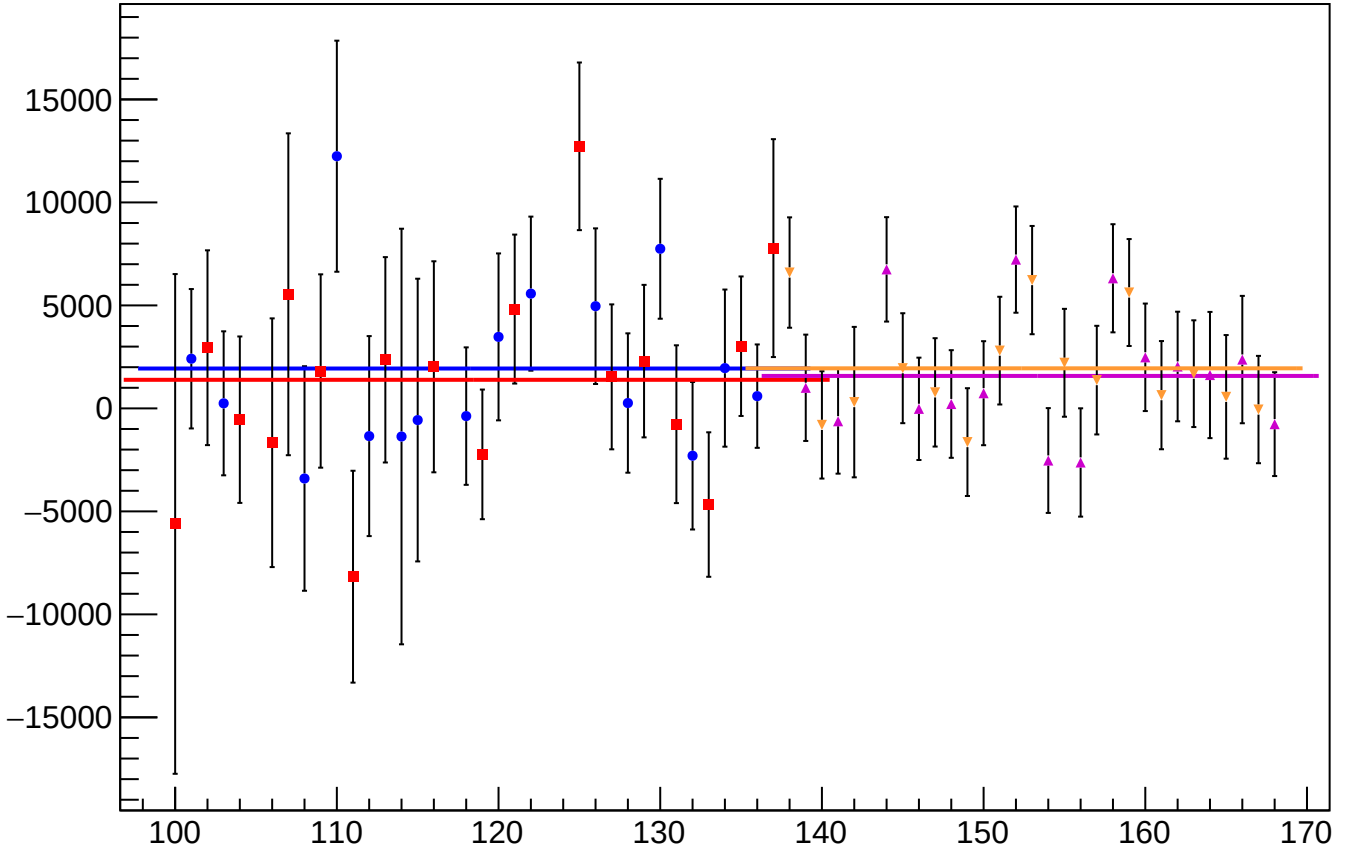
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 844.534+/-0.143 χ^2/NDF:3358489.5/30

Out: 792.873+/-0.135 χ^2/NDF:4374624.8/34

All: 817.346+/-0.098 χ^2/NDF: 7802199.8/65

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1576.316+/-677.818 χ^2/NDF:20.0/14

Left: 1756.543+/-485.053 χ^2/NDF: 32.5/29

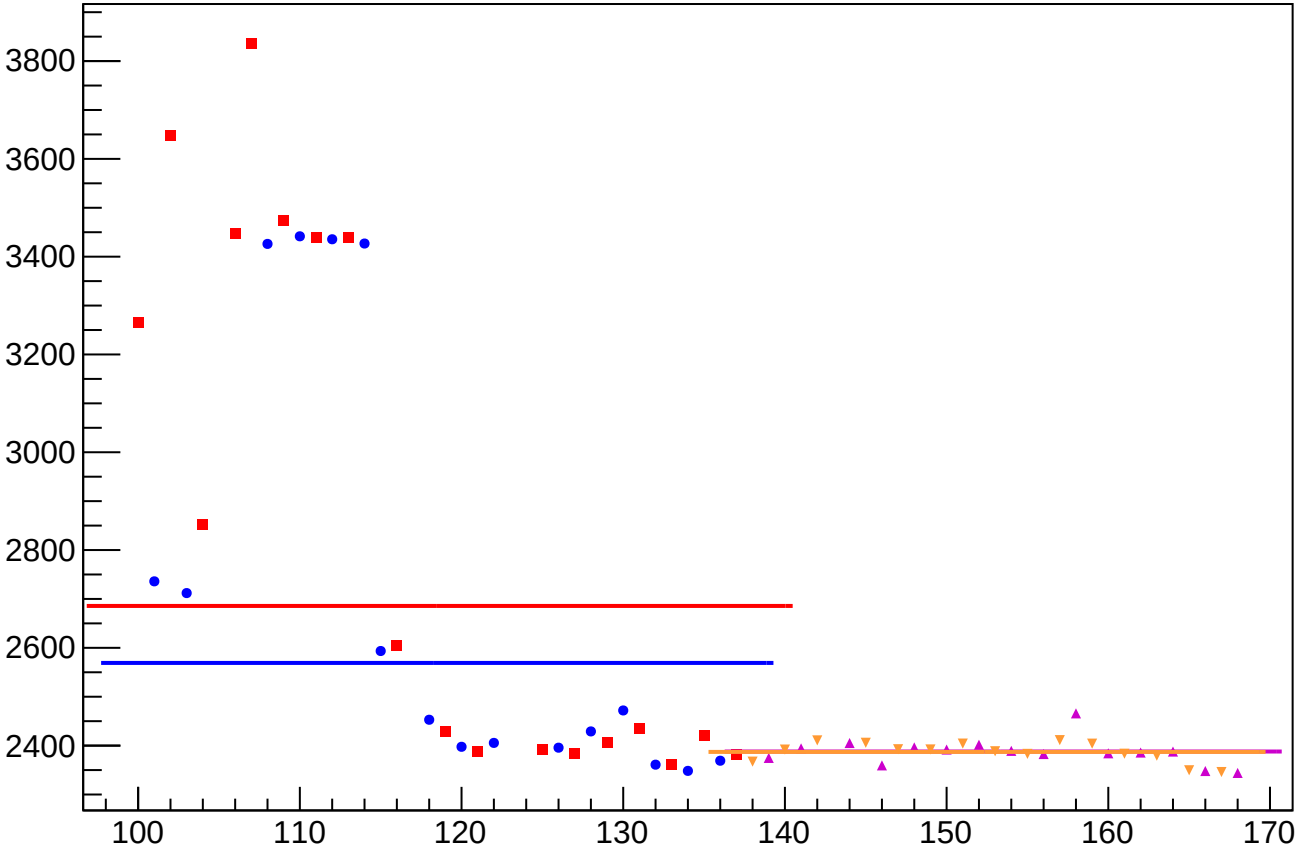
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1695.586+/-554.154 χ^2/NDF:32.5/30

Out: 1766.332+/-572.057 χ^2/NDF:32.3/32

All: 1729.834+/-398.025 χ^2/NDF: 64.8/63

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2387.933+/-0.479 χ^2/NDF:3219.4/14

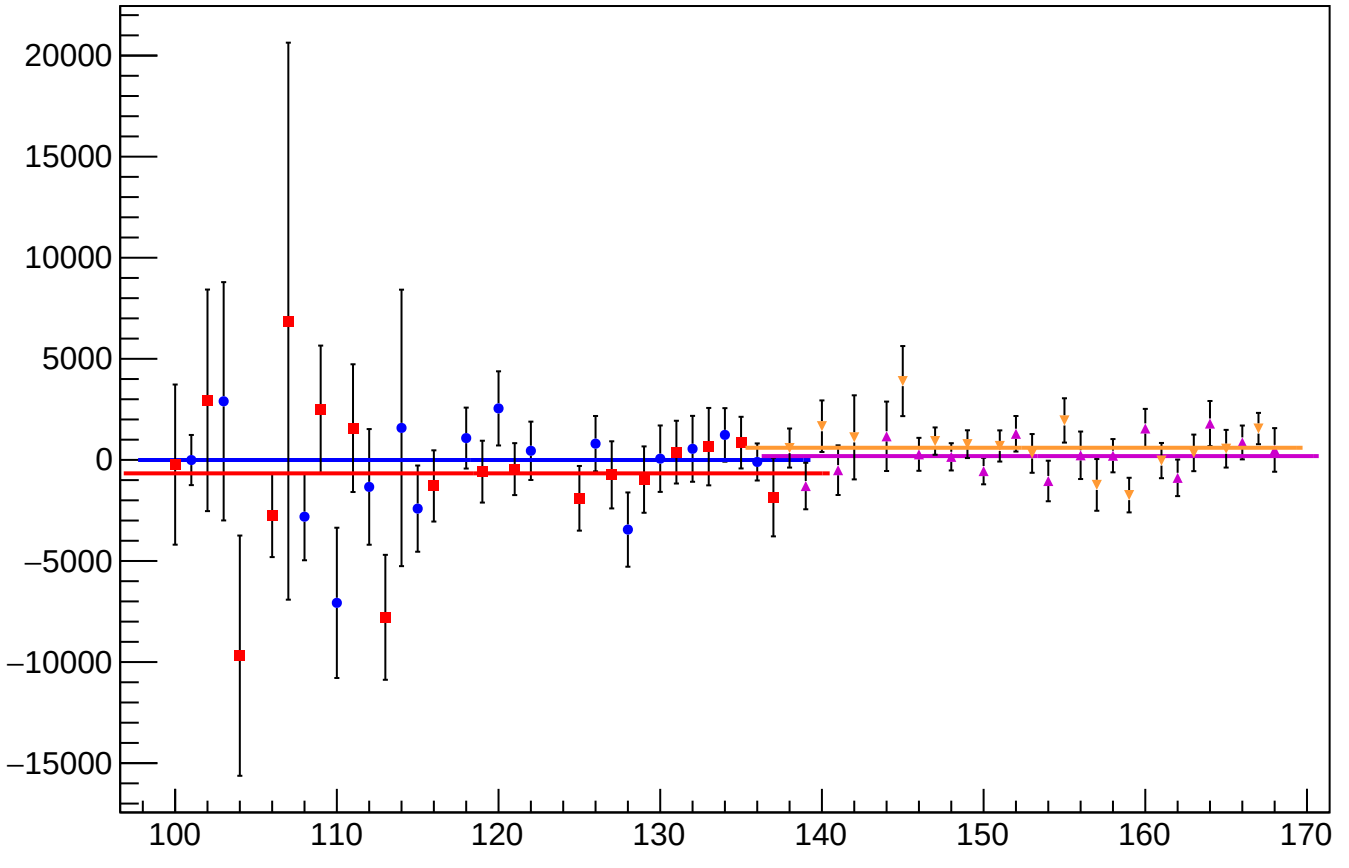
Left: 2387.544+/-0.343 χ^2/NDF: 4710.6/29

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2448.019+/-0.392 χ^2/NDF:280101.1/30

Out: 2483.077+/-0.405 χ^2/NDF:539547.7/32

All: 2464.991+/-0.281 χ^2/NDF: 823524.0/63



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 600.240+/-239.077 χ^2/NDF:18.0/14

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 188.105+/-237.949 χ^2/NDF:12.9/14

Left: 393.198+/-168.653 χ^2/NDF: 32.4/29

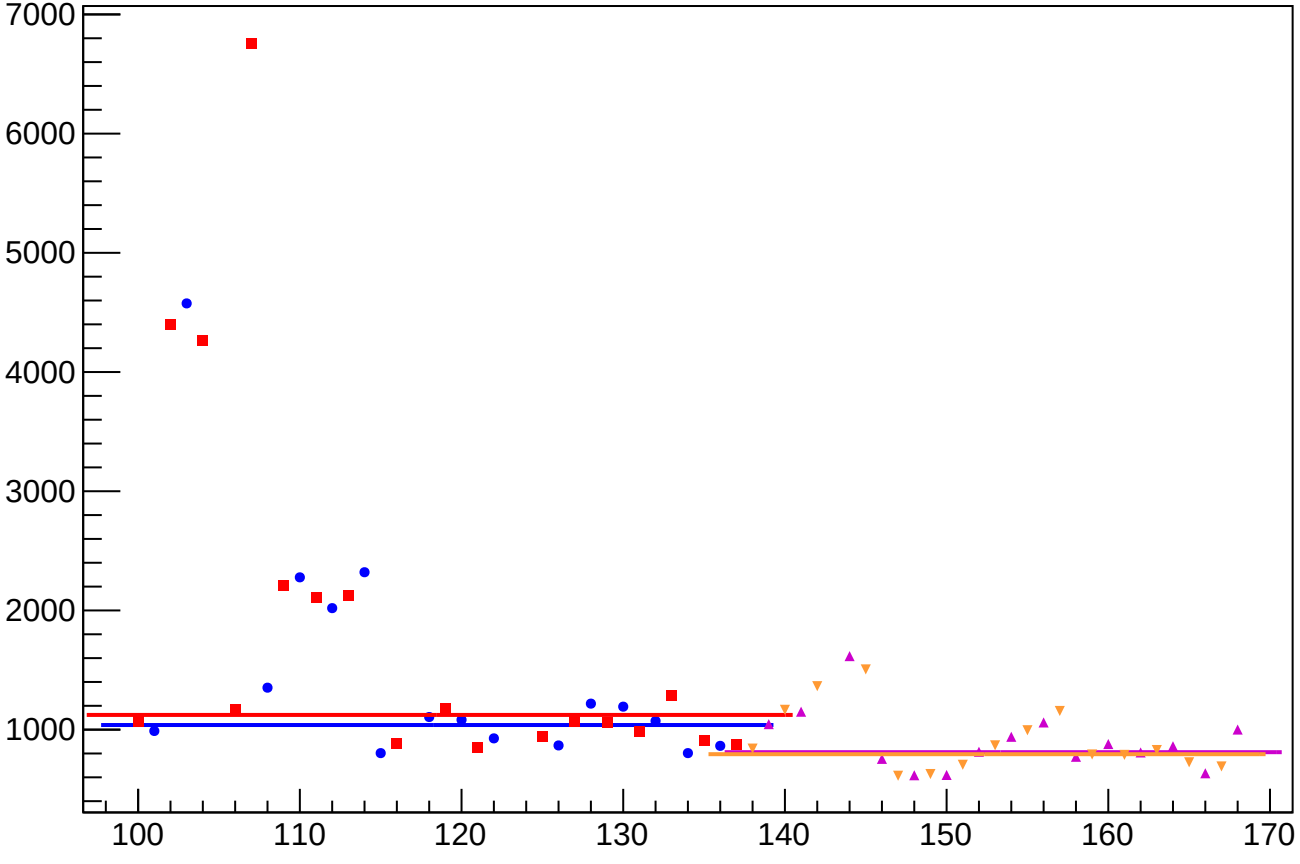
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 139.806+/-206.083 χ^2/NDF:27.6/30

Out: 331.426+/-212.186 χ^2/NDF:38.3/32

All: 232.820+/-147.833 χ^2/NDF: 66.3/63

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 794.112+/-0.169 χ^2/NDF:1238171.7/14

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 810.972+/-0.168 χ^2/NDF:1314348.5/14

Left: 802.582+/-0.119 χ^2/NDF: 2557516.8/29

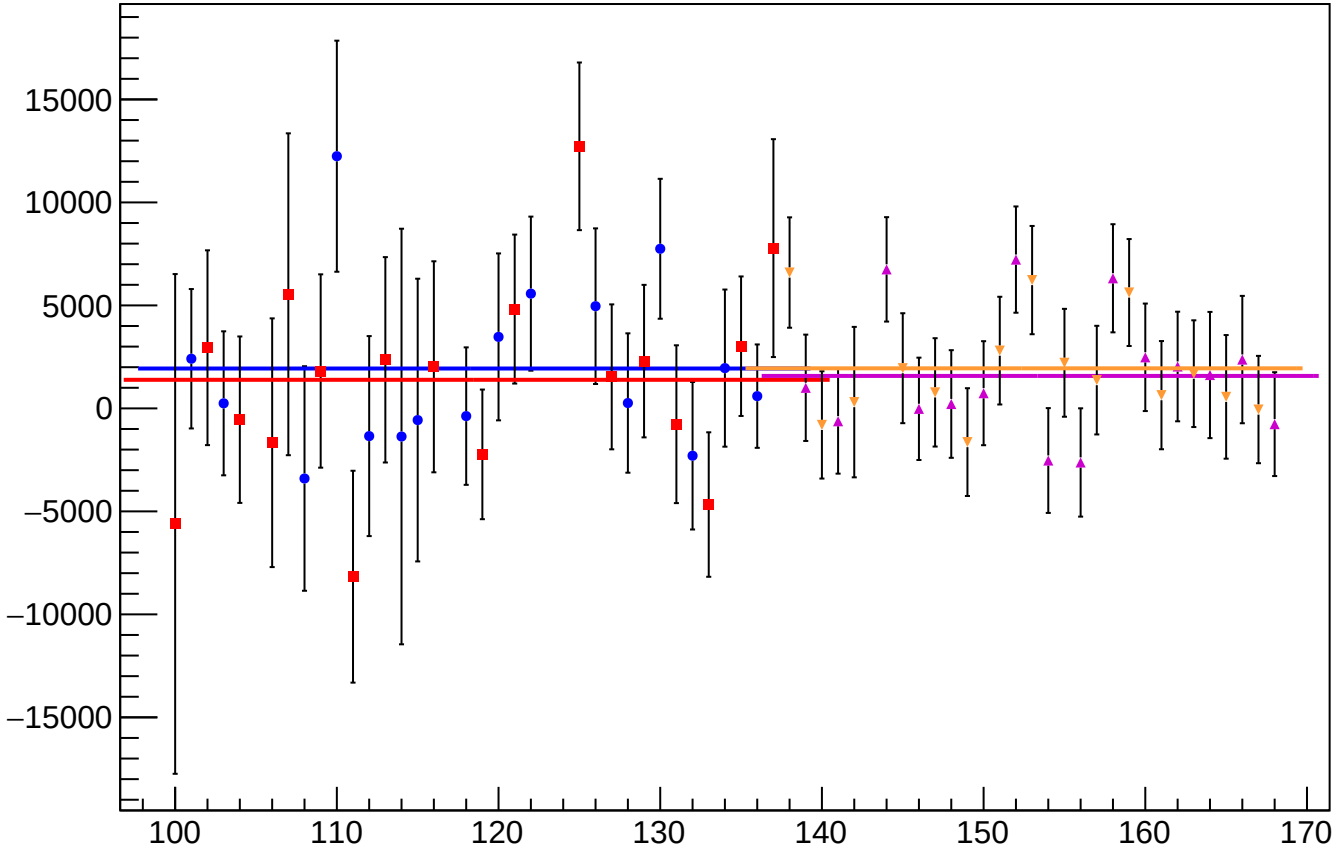
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 867.907+/-0.146 χ^2/NDF:3312282.7/30

Out: 864.036+/-0.150 χ^2/NDF:4579534.8/32

All: 866.028+/-0.105 χ^2/NDF: 7892160.0/63

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1945.708+/-694.420 χ^2/NDF:12.3/14

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1576.317+/-677.818 χ^2/NDF:20.0/14

Left: 1756.544+/-485.053 χ^2/NDF: 32.5/29

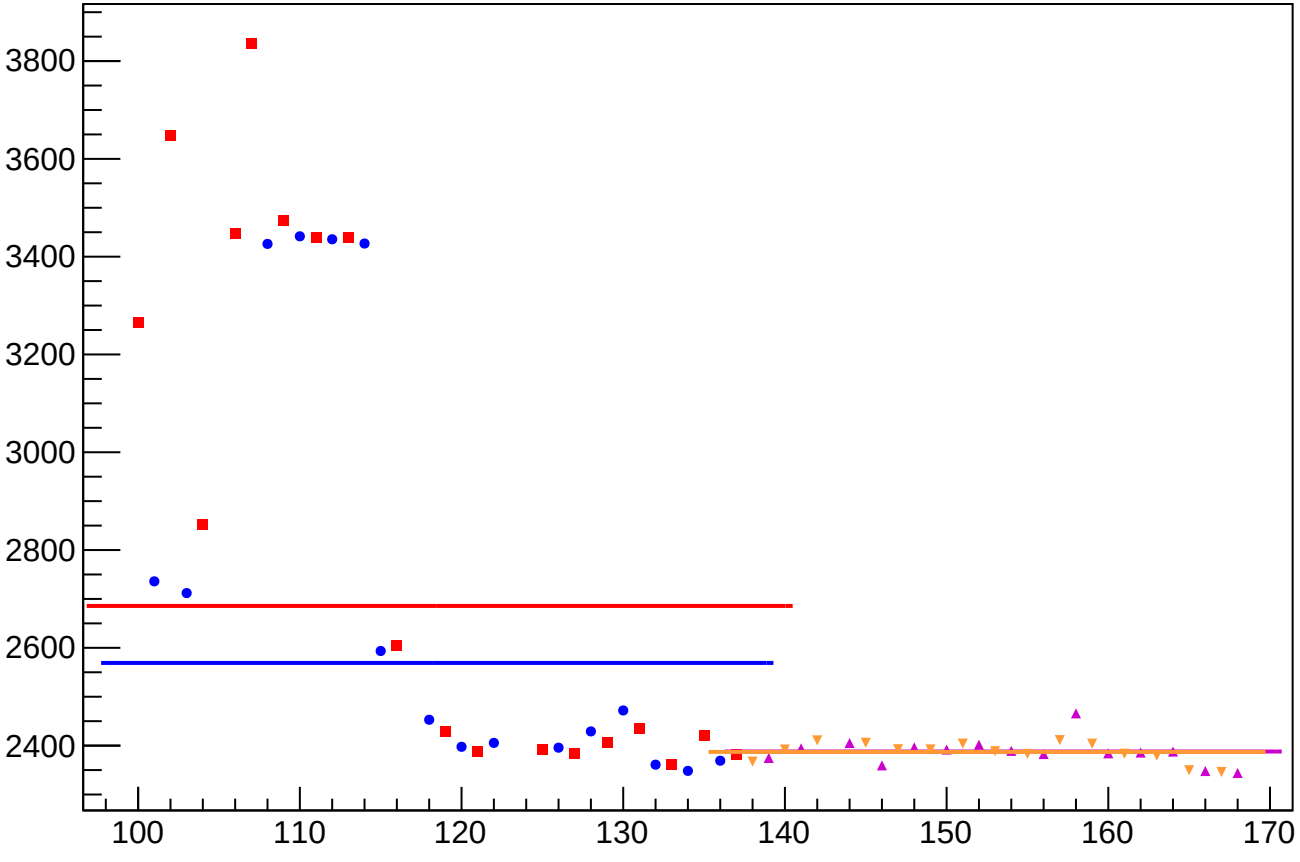
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1695.585+/-554.154 χ^2/NDF:32.5/30

Out: 1766.331+/-572.057 χ^2/NDF:32.3/32

All: 1729.834+/-398.025 χ^2/NDF: 64.8/63

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2387.136+/-0.491 χ^2/NDF:1489.8/14

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2387.933+/-0.479 χ^2/NDF:3219.4/14

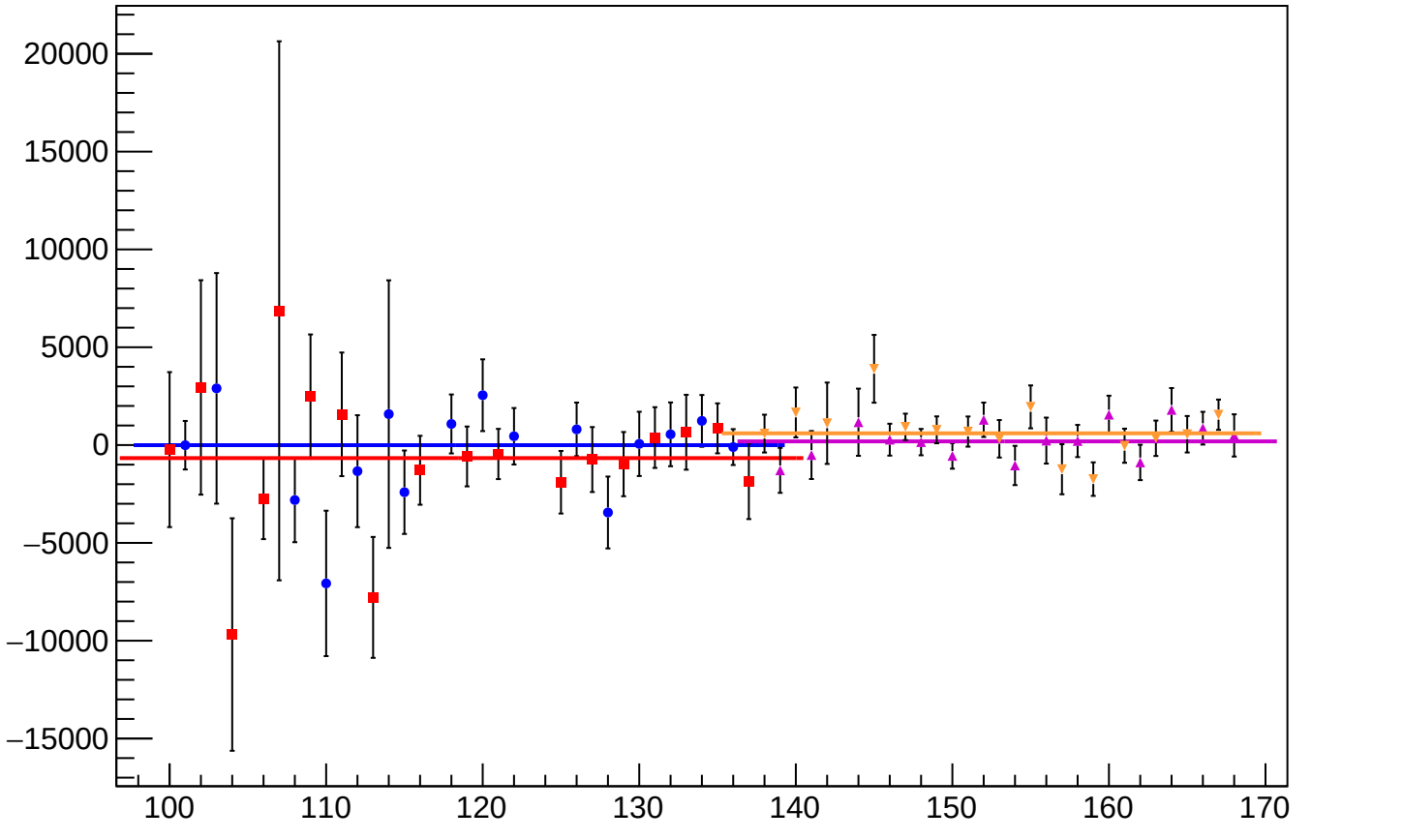
Left: 2387.544+/-0.343 χ^2/NDF: 4710.6/29

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2448.019+/-0.392 χ^2/NDF:280100.6/30

Out: 2483.077+/-0.405 χ^2/NDF:539546.8/32

All: 2464.991+/-0.281 χ^2/NDF: 823522.7/63



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 600.239+/-239.077 χ^2/NDF:18.0/14

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 188.105+/-237.949 χ^2/NDF:12.9/14

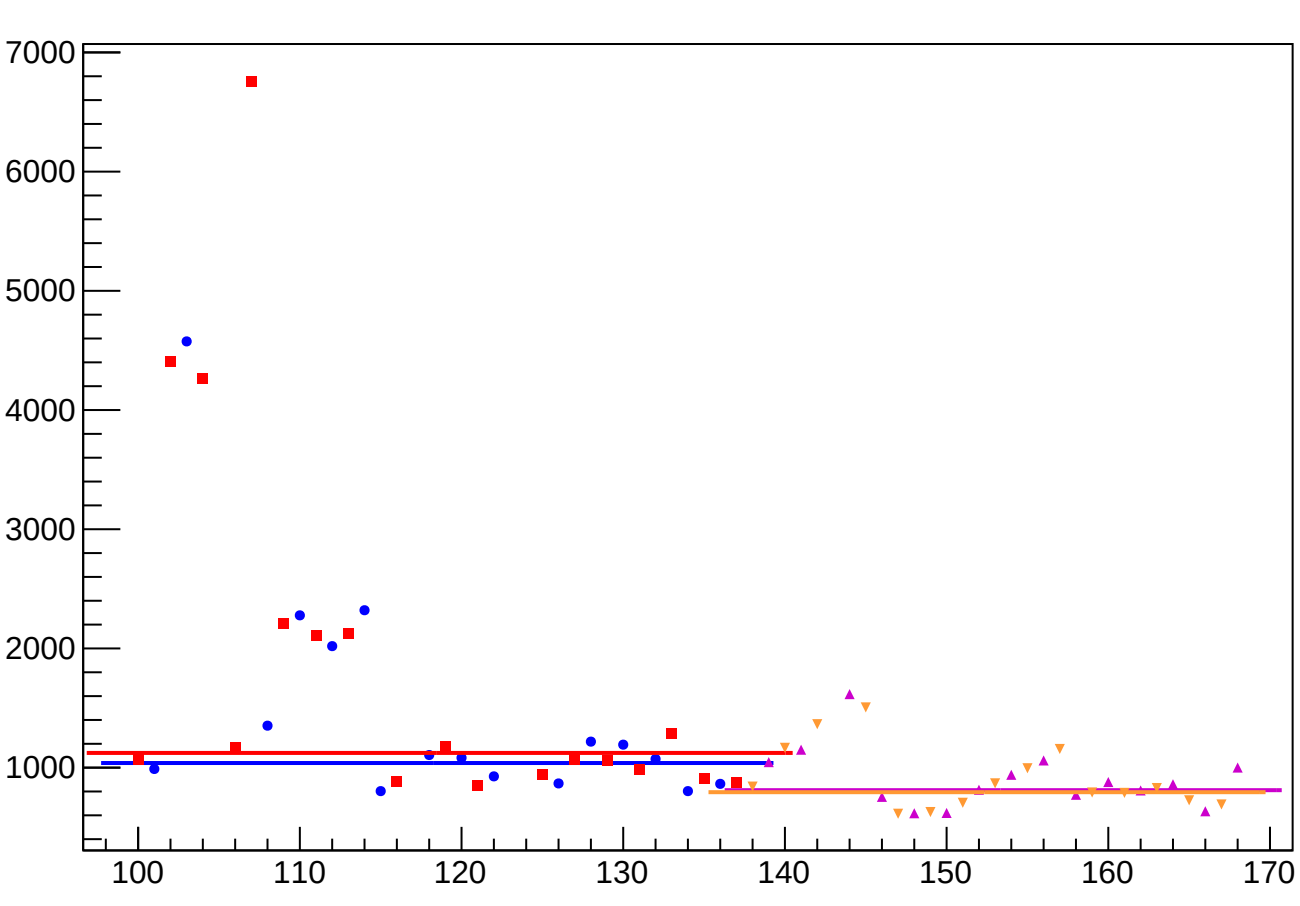
Left: 393.198+/-168.653 χ^2/NDF: 32.4/29

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 139.805+/-206.084 χ^2/NDF:27.6/30

Out: 331.424+/-212.187 χ^2/NDF:38.3/32

All: 232.819+/-147.834 χ^2/NDF: 66.3/63



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 794.113+/-0.169 χ^2/NDF:1238169.3/14

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 810.973+/-0.168 χ^2/NDF:1314346.7/14

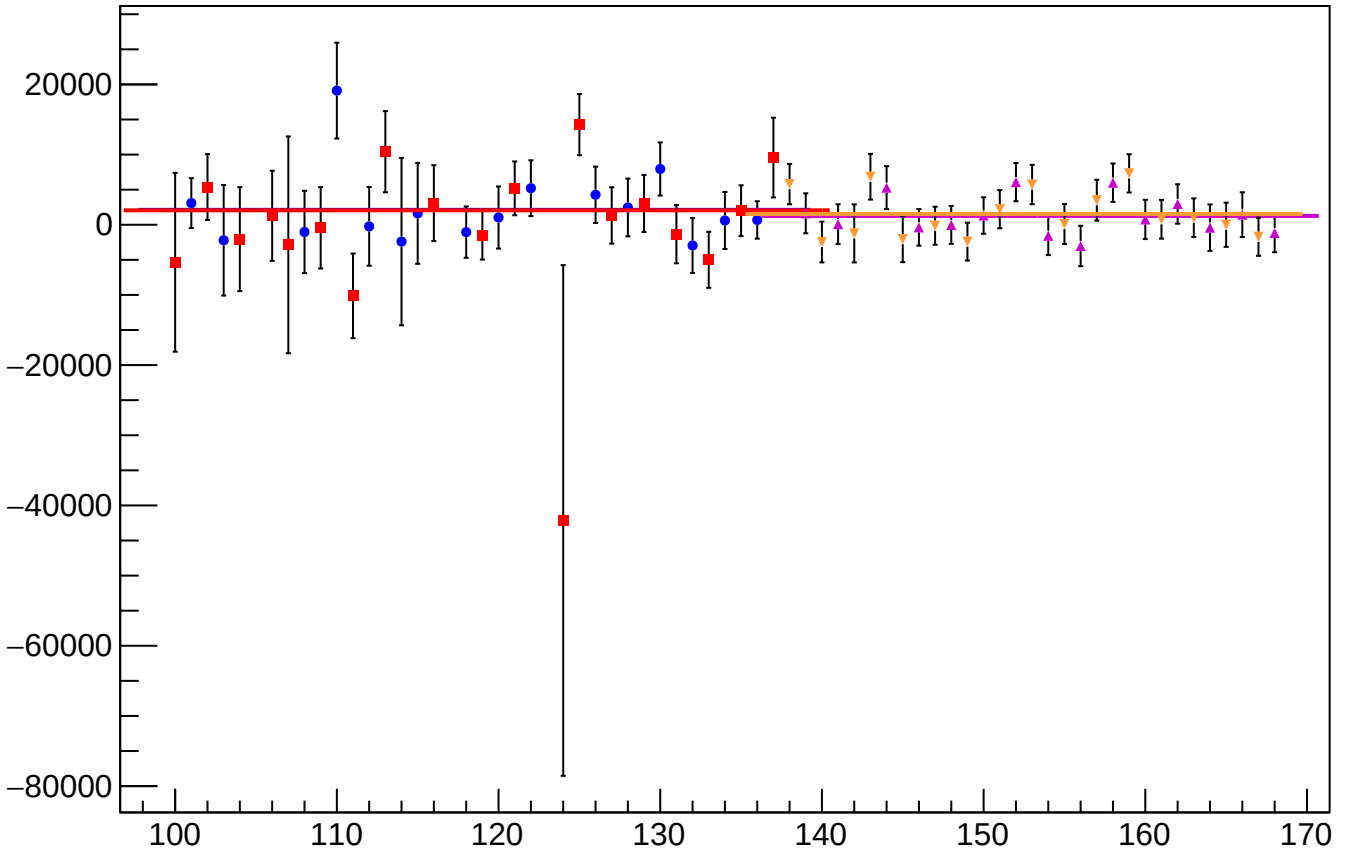
Left: 802.583+/-0.119 χ^2/NDF: 2557512.5/29

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 867.908+/-0.146 χ^2/NDF:3312270.7/30

Out: 864.037+/-0.150 χ^2/NDF:4579522.7/32

All: 866.029+/-0.105 χ^2/NDF: 7892135.9/63



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1525.081+/-726.379 χ^2/NDF:20.2/15

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1260.552+/-728.582 χ^2/NDF:13.4/14

Left: 1393.217+/-514.404 χ^2/NDF: 33.6/30

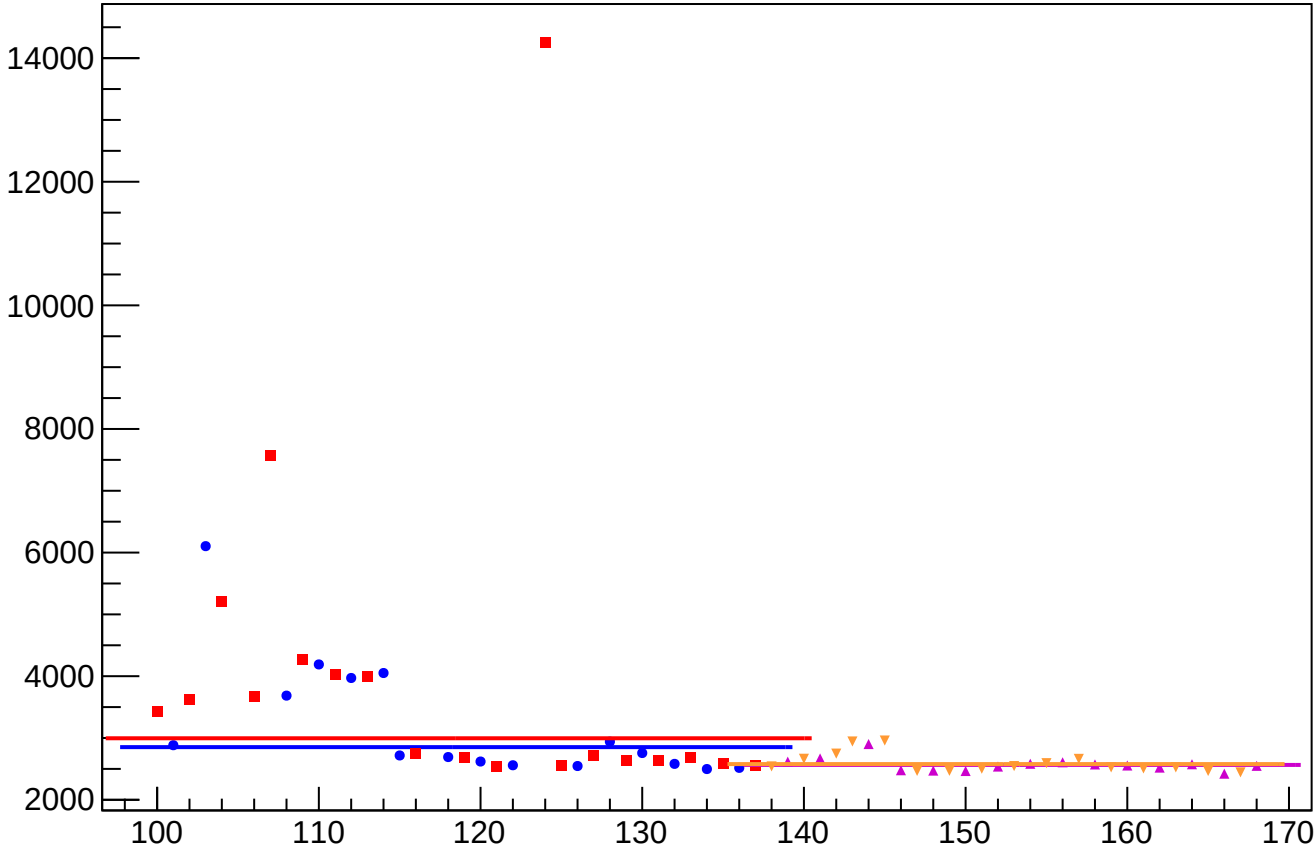
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1528.373+/-604.811 χ^2/NDF:27.2/30

Out: 1680.085+/-612.096 χ^2/NDF:44.7/34

All: 1603.321+/-430.218 χ^2/NDF: 71.9/65

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2577.752+/-0.514 χ^2/NDF:77736.7/15

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2564.230+/-0.515 χ^2/NDF:40333.7/14

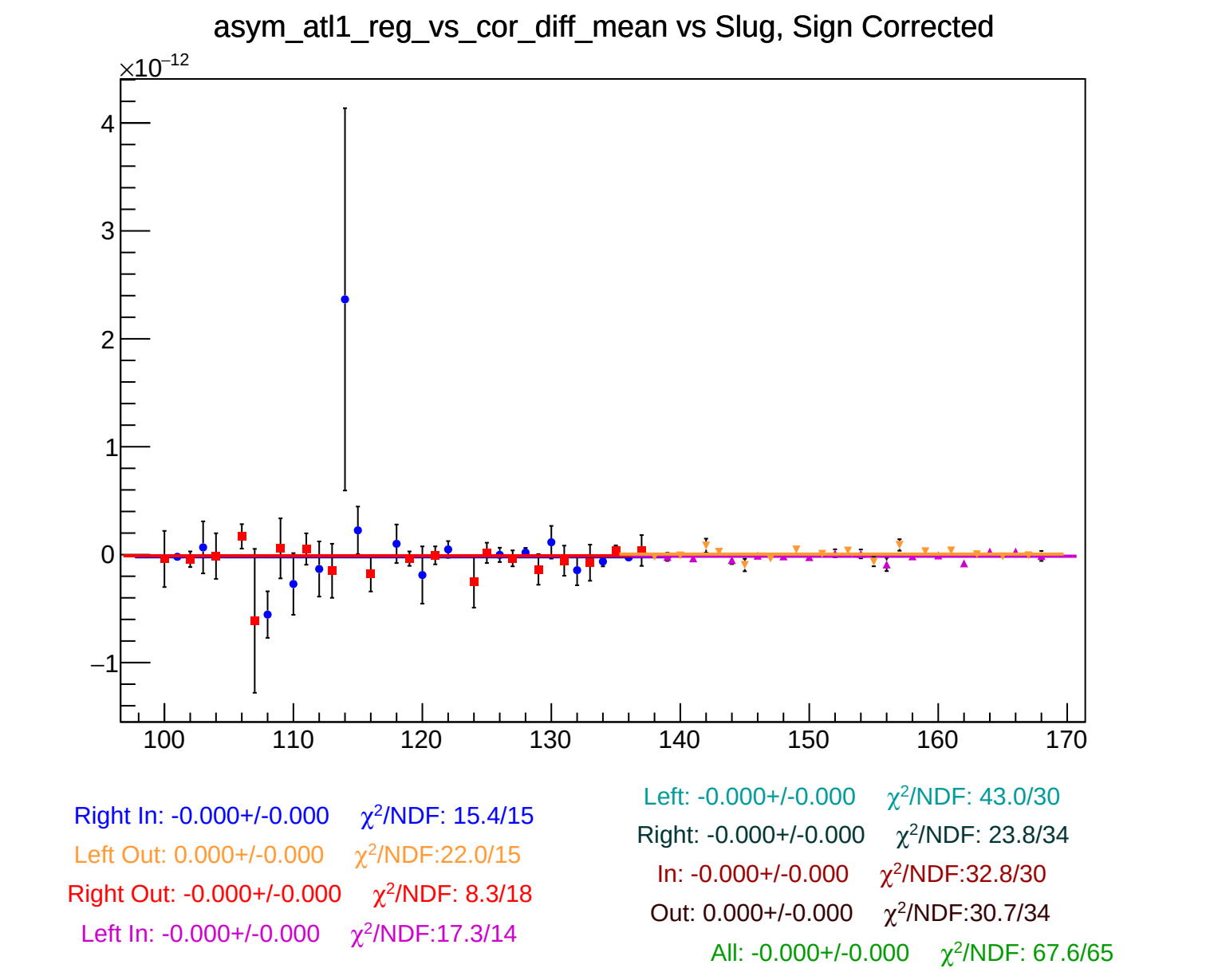
Left: 2571.012+/-0.364 χ^2/NDF: 118415.9/30

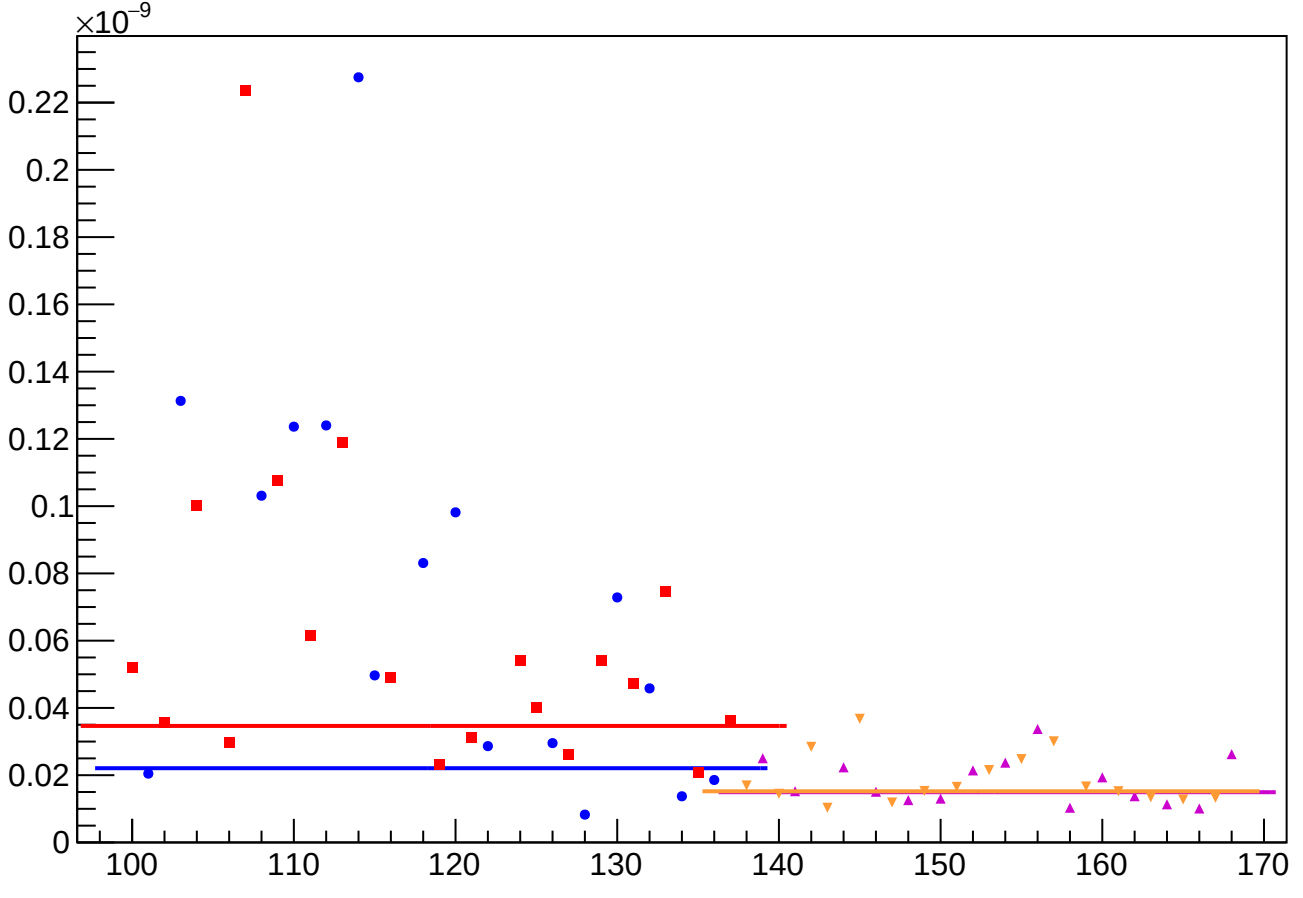
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2653.762+/-0.428 χ^2/NDF:786190.4/30

Out: 2698.869+/-0.433 χ^2/NDF:1248706.0/34

All: 2676.045+/-0.304 χ^2/NDF: 2040392.2/65


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:22.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:17.3/14
Left: -0.000+/-0.000 χ²/NDF: 43.0/30
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:32.8/30
Out: 0.000+/-0.000 χ²/NDF:30.7/34
All: -0.000+/-0.000 χ²/NDF: 67.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:908687.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1003862.7/14

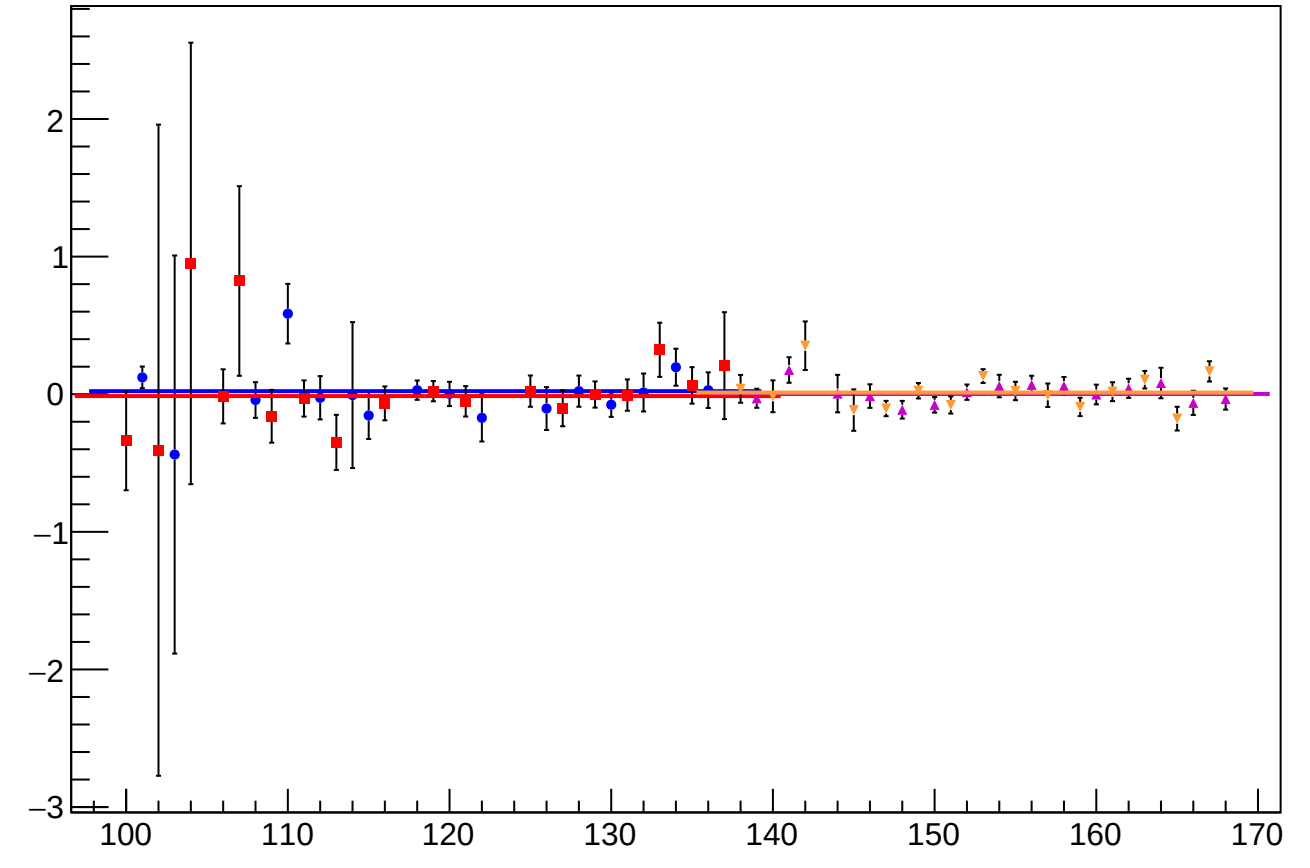
Left: 0.000+/-0.000 χ^2/NDF: 1913994.1/30

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3640434.3/30

Out: 0.000+/-0.000 χ^2/NDF:3321563.6/34

All: 0.000+/-0.000 χ^2/NDF: 6970614.3/65



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.019 χ^2/NDF:12.8/14

Left: 0.007+/-0.013 χ^2/NDF: 43.6/29

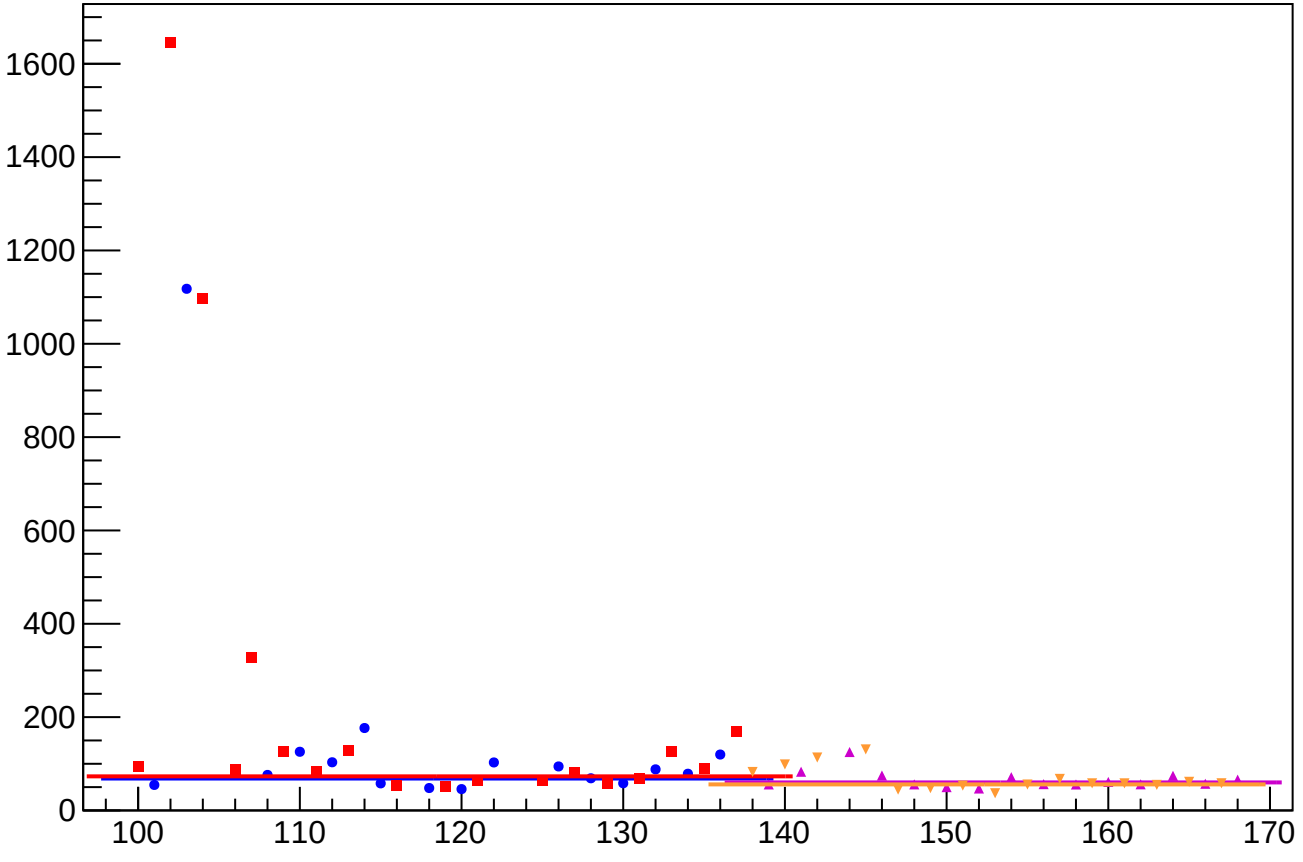
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.016 χ^2/NDF:28.0/30

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.007+/-0.011 χ^2/NDF: 69.9/63

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 60.069+/-0.013 χ^2/NDF:934381.2/14

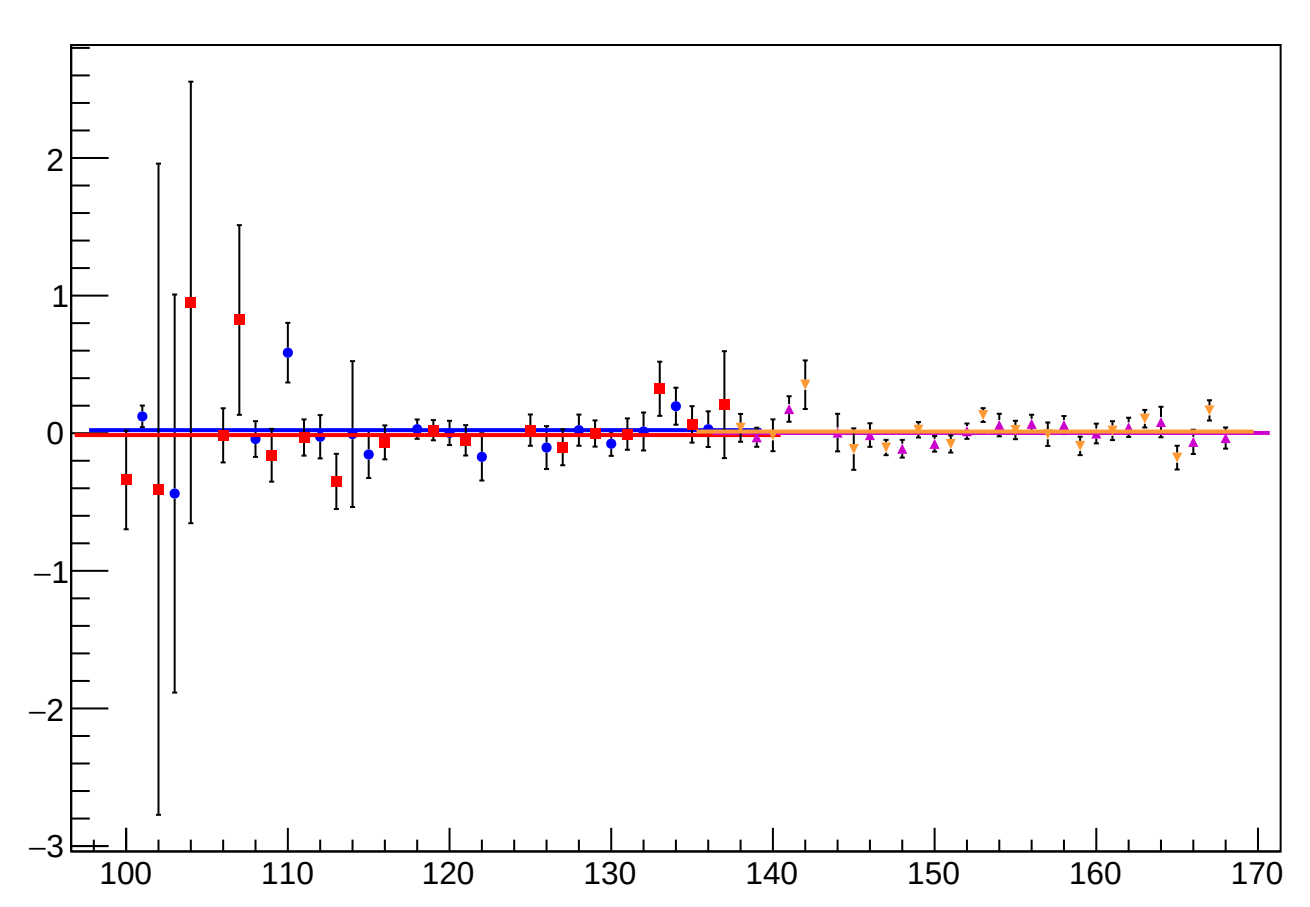
Left: 57.911+/-0.009 χ^2/NDF: 2569856.9/29

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.438+/-0.011 χ^2/NDF:3322683.9/30

Out: 59.890+/-0.011 χ^2/NDF:4903113.4/32

All: 61.177+/-0.008 χ^2/NDF: 8250719.5/63



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.019 χ^2/NDF:12.8/14

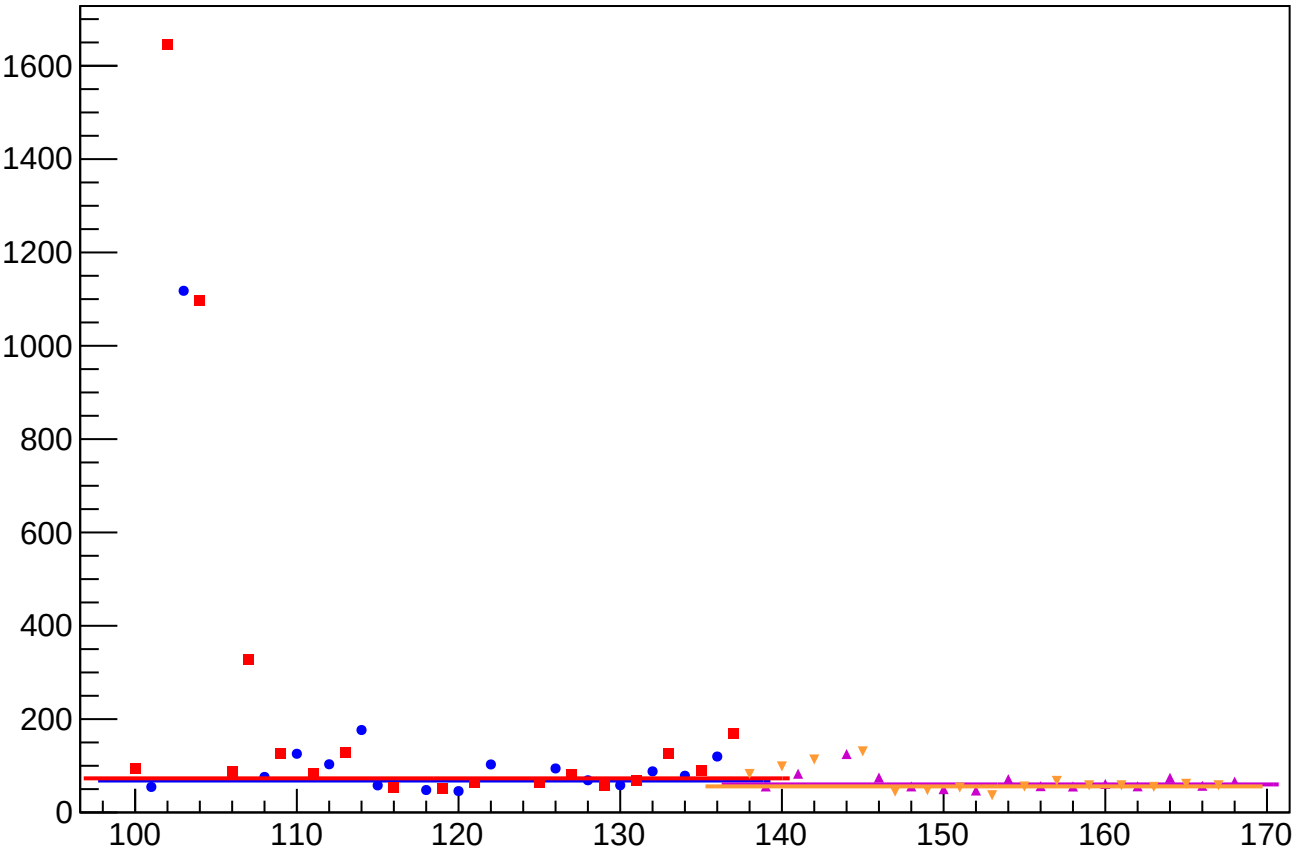
Left: 0.007+/-0.013 χ^2/NDF: 43.6/29

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.016 χ^2/NDF:28.0/30

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.007+/-0.011 χ^2/NDF: 69.9/63



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584789.7/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 60.069+/-0.013 χ^2/NDF:934381.2/14

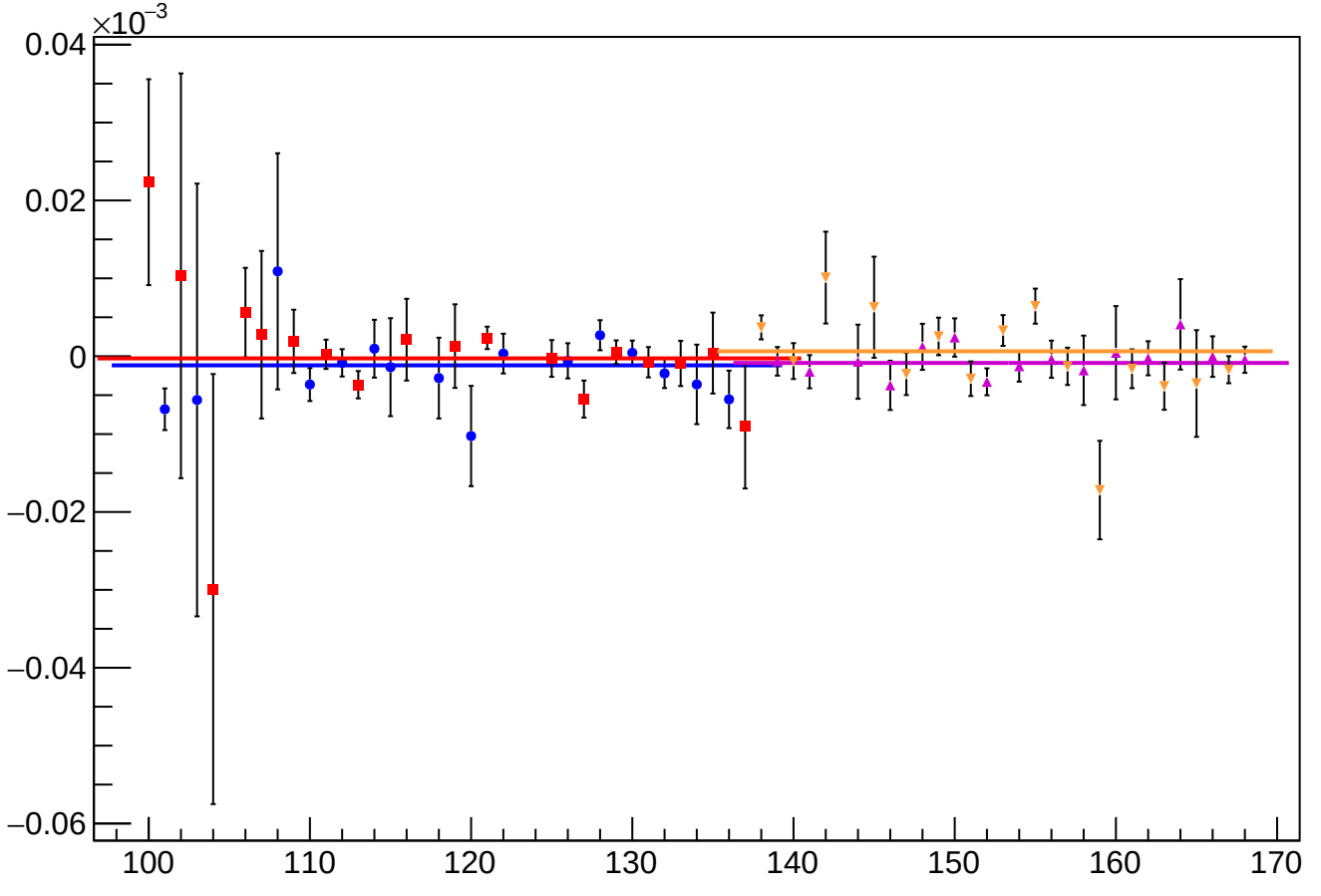
Left: 57.911+/-0.009 χ^2/NDF: 2569856.9/29

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.438+/-0.011 χ^2/NDF:3322683.9/30

Out: 59.890+/-0.011 χ^2/NDF:4903113.4/32

All: 61.177+/-0.008 χ^2/NDF: 8250719.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.5/14

Left: -0.000+/-0.000 χ^2/NDF: 43.4/29

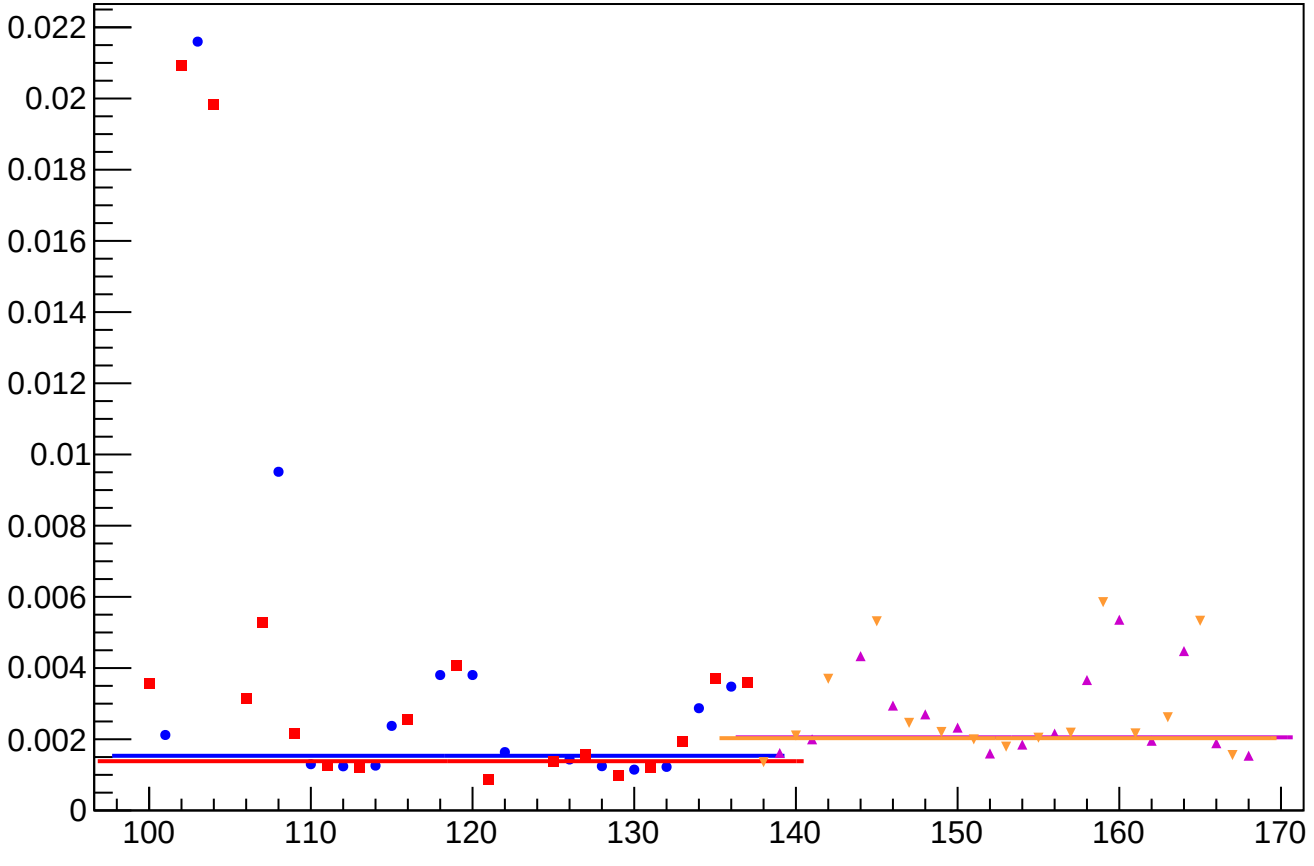
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:22.9/30

Out: 0.000+/-0.000 χ^2/NDF:54.7/32

All: -0.000+/-0.000 χ^2/NDF: 81.0/63

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2579530.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2435531.8/14

Left: 0.002+/-0.000 χ^2/NDF: 5016470.0/29

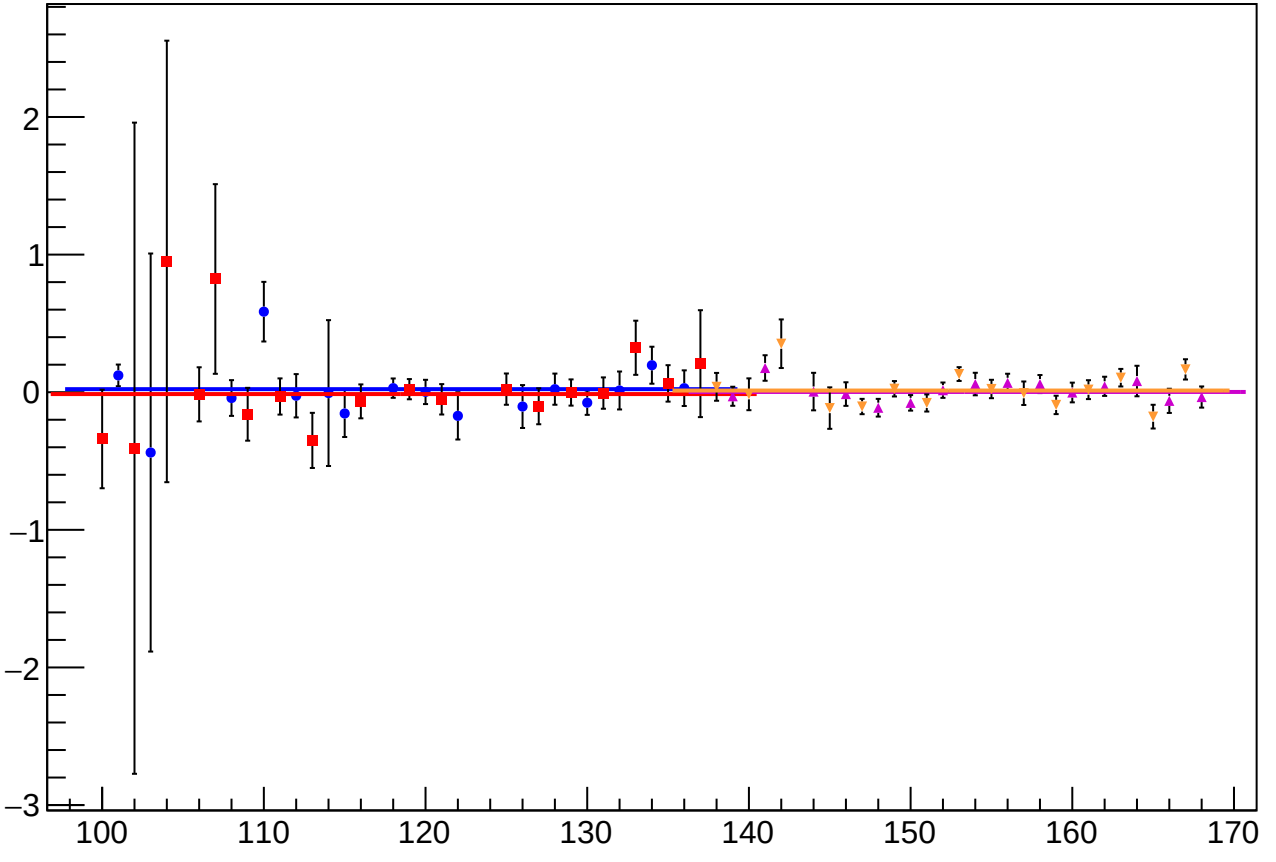
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6451893.0/30

Out: 0.002+/-0.000 χ^2/NDF:7883057.3/32

All: 0.002+/-0.000 χ^2/NDF: 14388397.0/63

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.019 χ^2/NDF:12.8/14

Left: 0.007+/-0.013 χ^2/NDF: 43.6/29

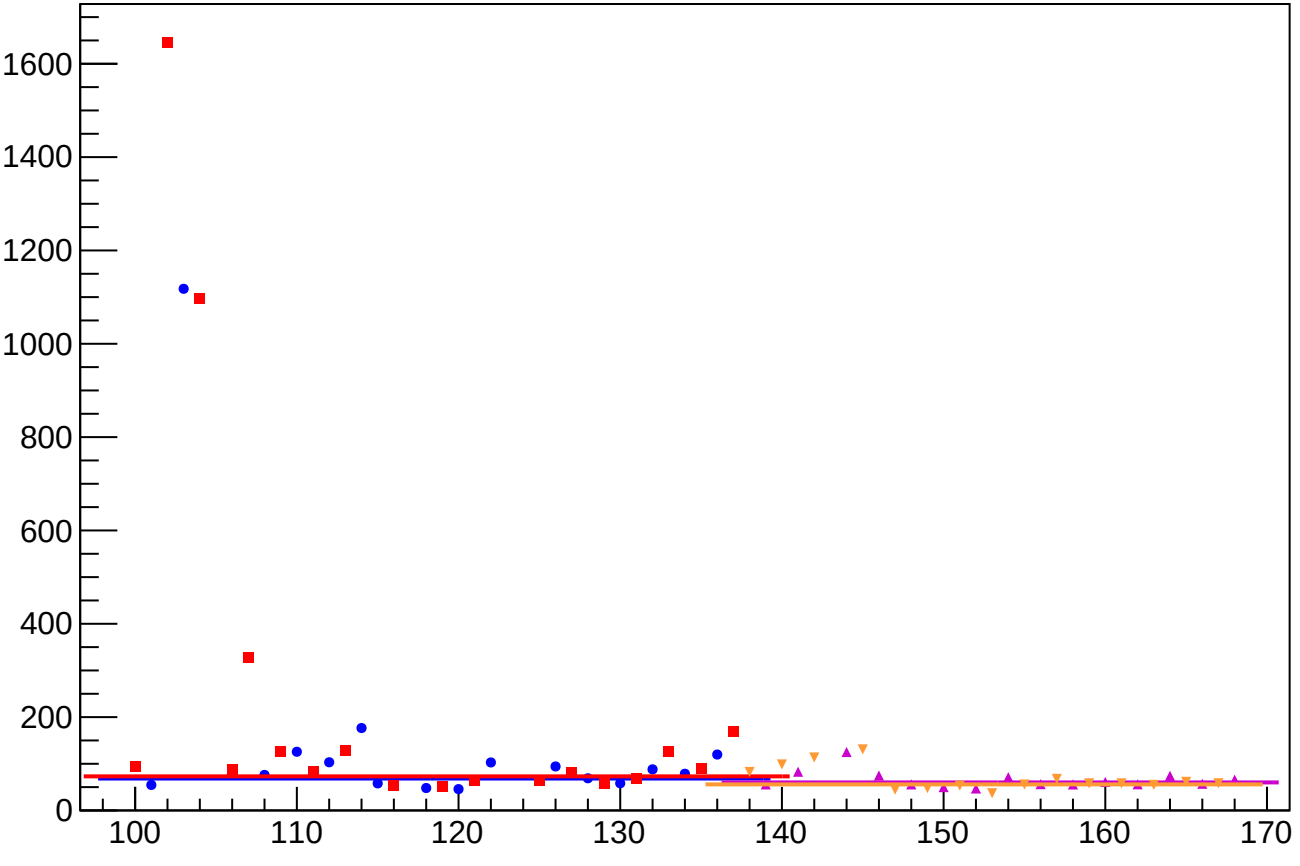
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.016 χ^2/NDF:28.0/30

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.007+/-0.011 χ^2/NDF: 69.9/63

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.847+/-0.013 χ^2/NDF:1584864.3/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.069+/-0.013 χ^2/NDF:934355.3/14

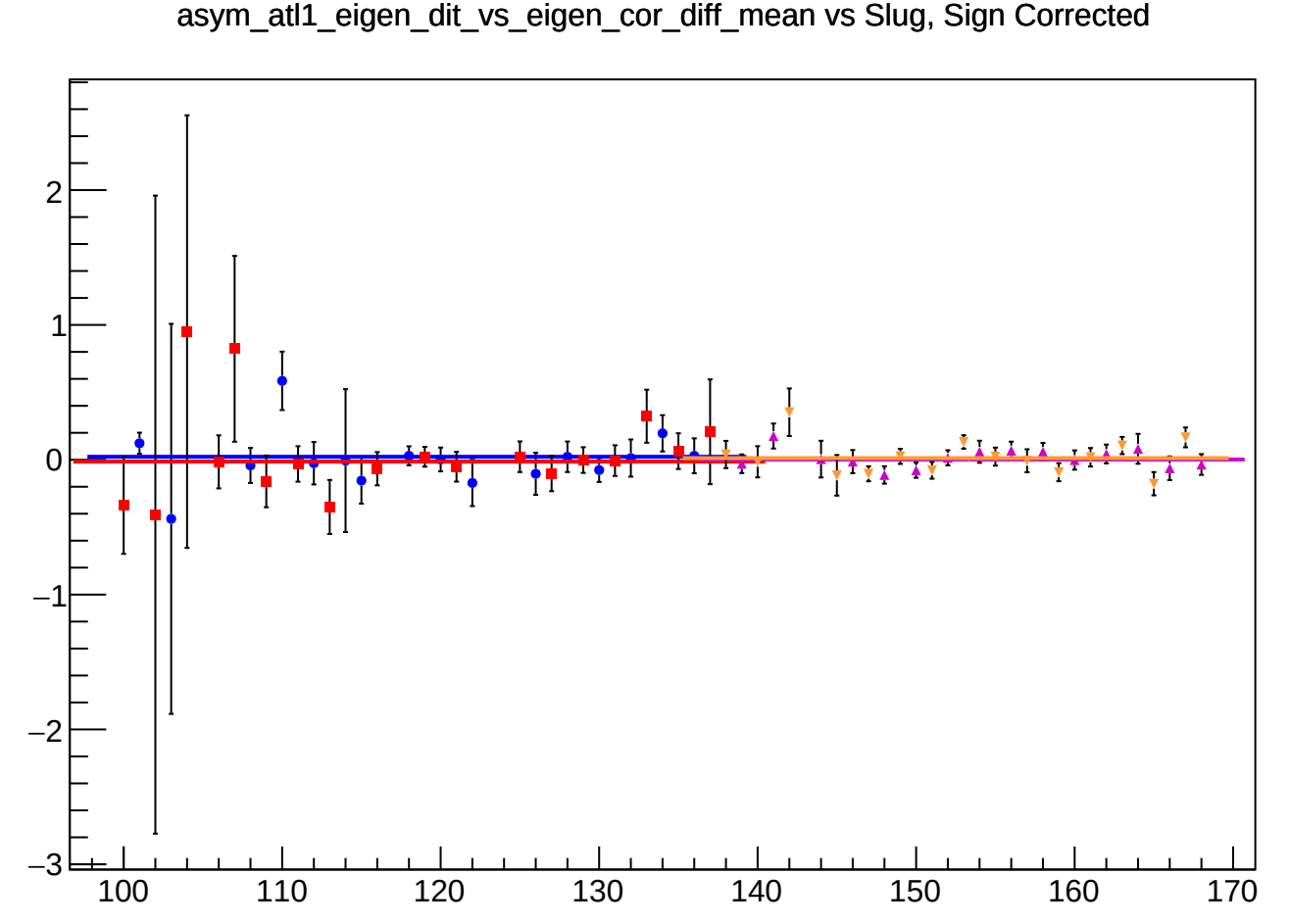
Left: 57.911+/-0.009 χ^2/NDF: 2569913.5/29

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.438+/-0.011 χ^2/NDF:3322712.7/30

Out: 59.890+/-0.011 χ^2/NDF:4903185.0/32

All: 61.177+/-0.008 χ^2/NDF: 8250821.8/63



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.019 χ^2/NDF:30.6/14

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.019 χ^2/NDF:12.8/14

Left: 0.007+/-0.013 χ^2/NDF: 43.6/29

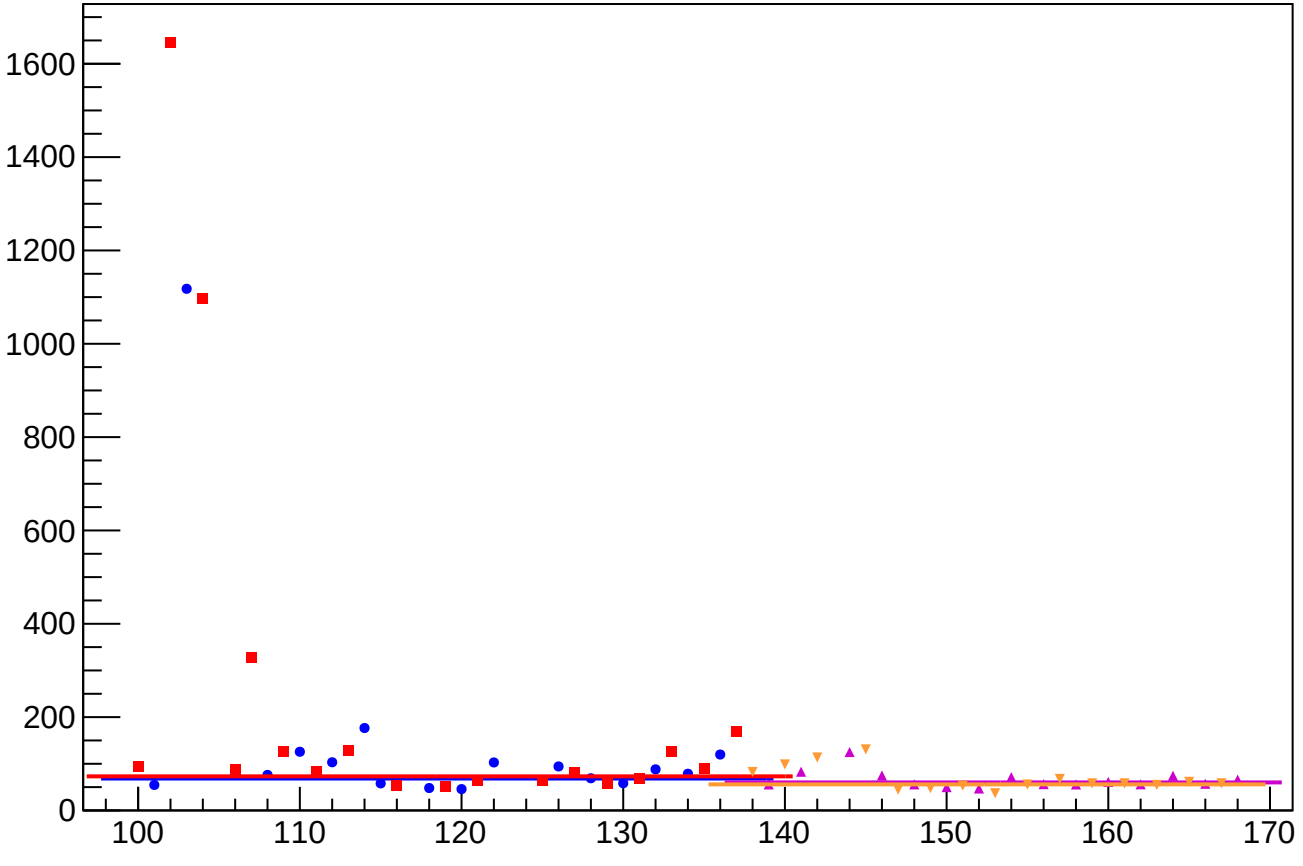
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.016 χ^2/NDF:28.0/30

Out: 0.006+/-0.016 χ^2/NDF:41.9/32

All: 0.007+/-0.011 χ^2/NDF: 69.9/63

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: 55.847+/-0.013 χ^2/NDF:1584864.3/14

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.069+/-0.013 χ^2/NDF:934355.3/14

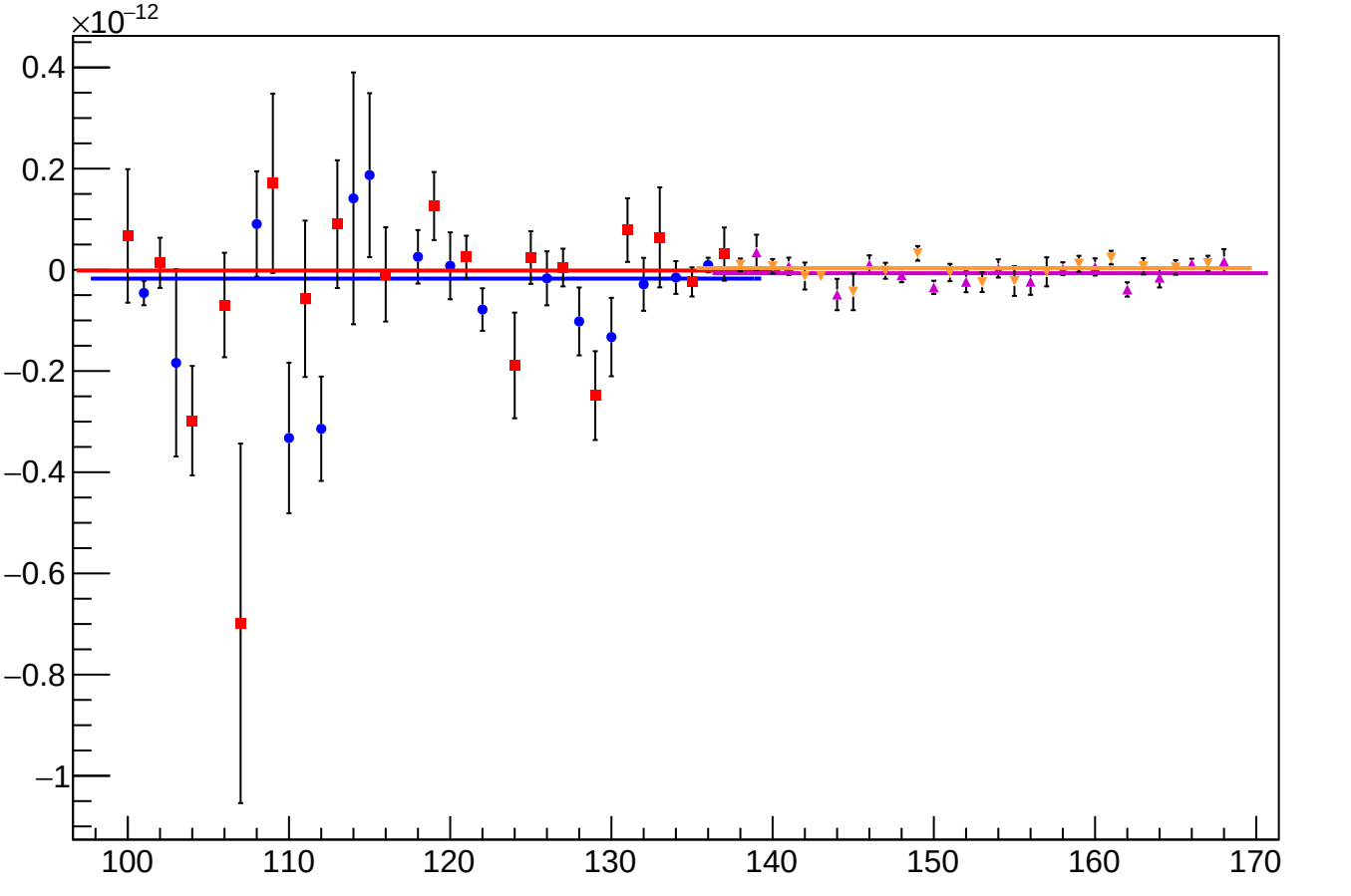
Left: 57.911+/-0.009 χ^2/NDF: 2569913.5/29

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.438+/-0.011 χ^2/NDF:3322712.7/30

Out: 59.890+/-0.011 χ^2/NDF:4903185.0/32

All: 61.177+/-0.008 χ^2/NDF: 8250821.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/14

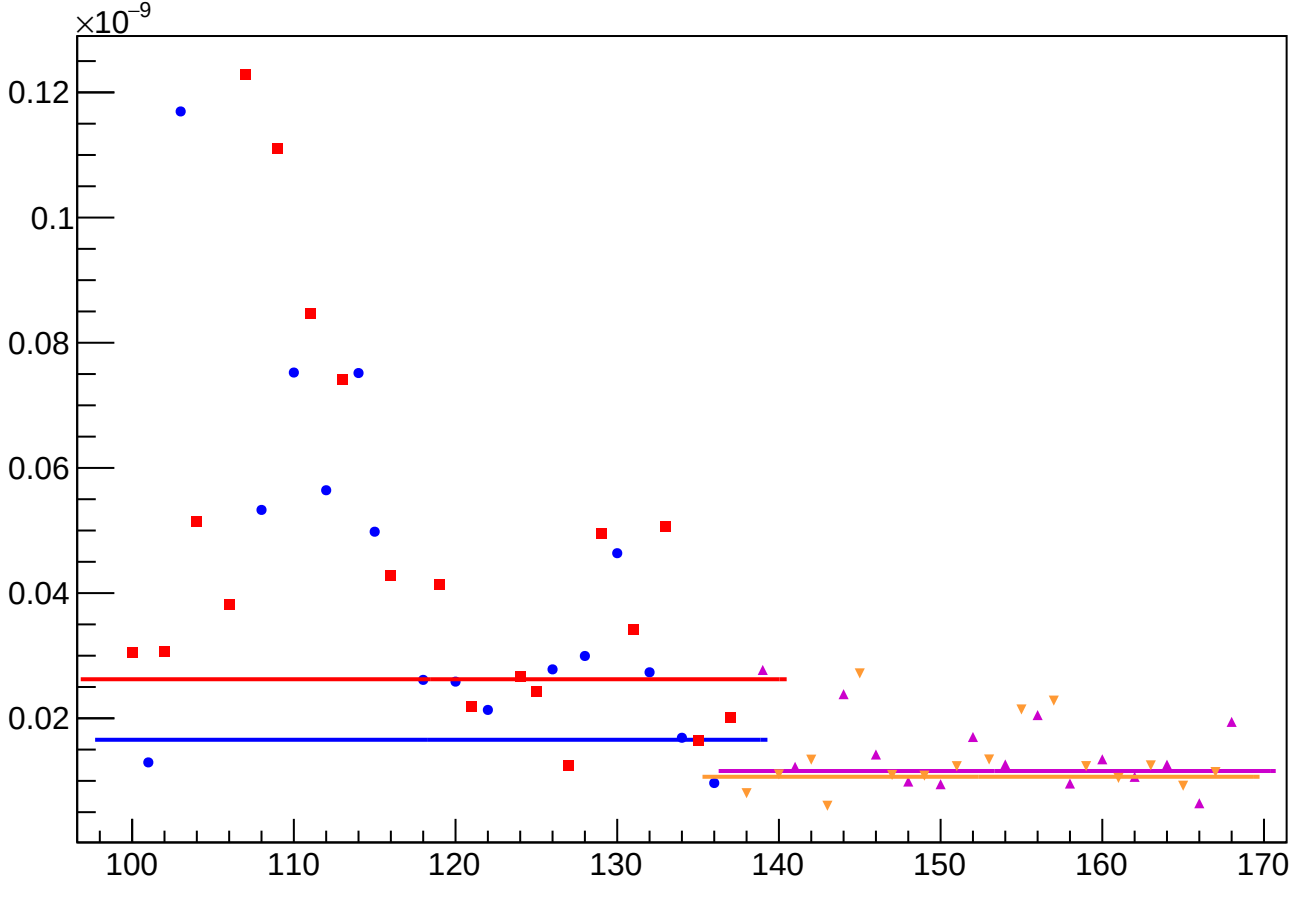
Left: -0.000+/-0.000 χ^2/NDF: 40.0/30

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:50.5/30

Out: 0.000+/-0.000 χ^2/NDF:48.1/34

All: -0.000+/-0.000 χ^2/NDF: 103.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773045.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2054344.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3877906.2/30

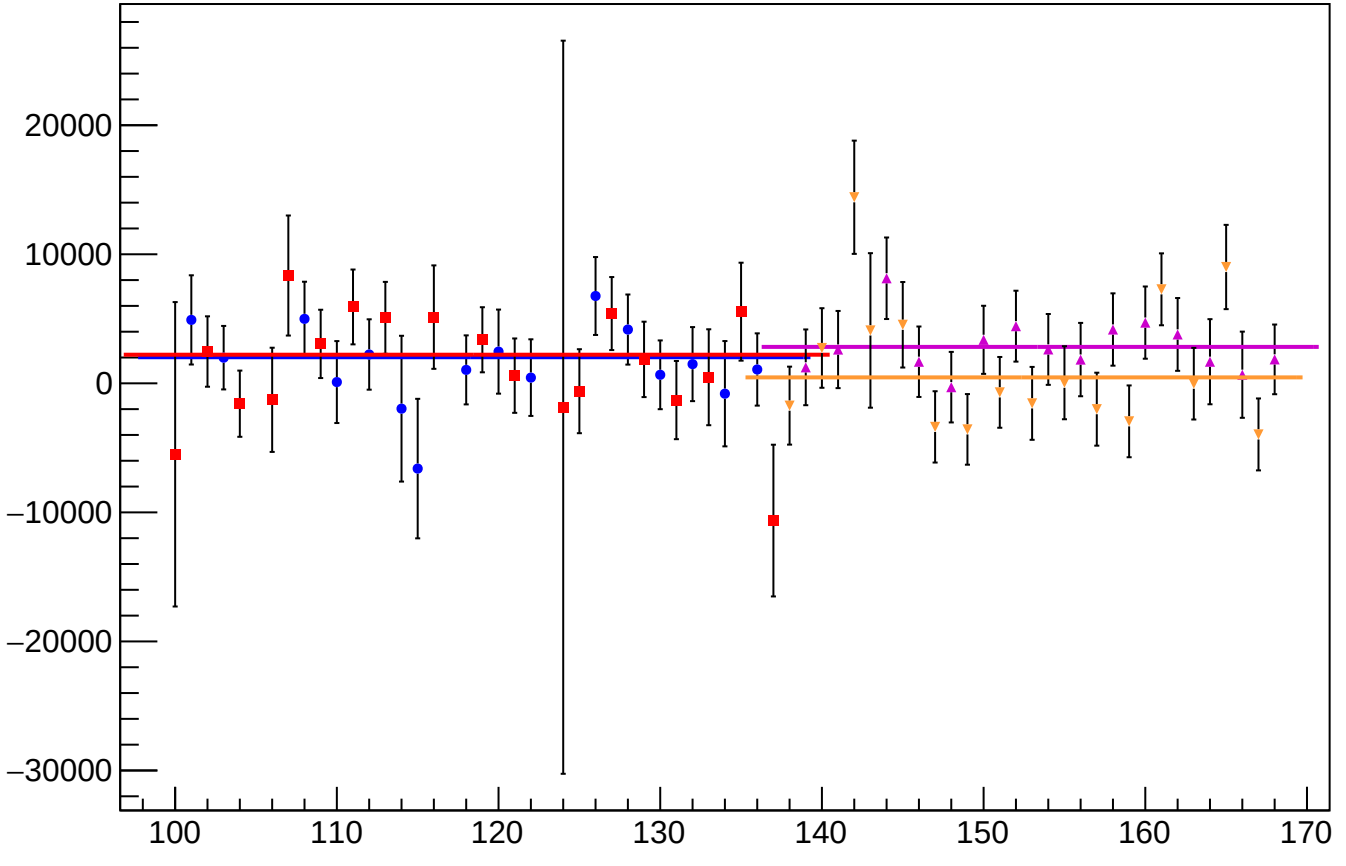
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5299723.5/30

Out: 0.000+/-0.000 χ^2/NDF:6340107.8/34

All: 0.000+/-0.000 χ^2/NDF: 11663740.3/65

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.006+/-751.871 χ^2/NDF:35.5/15

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2822.995+/-739.510 χ^2/NDF:6.6/14

Left: 1661.084+/-527.228 χ^2/NDF: 47.2/30

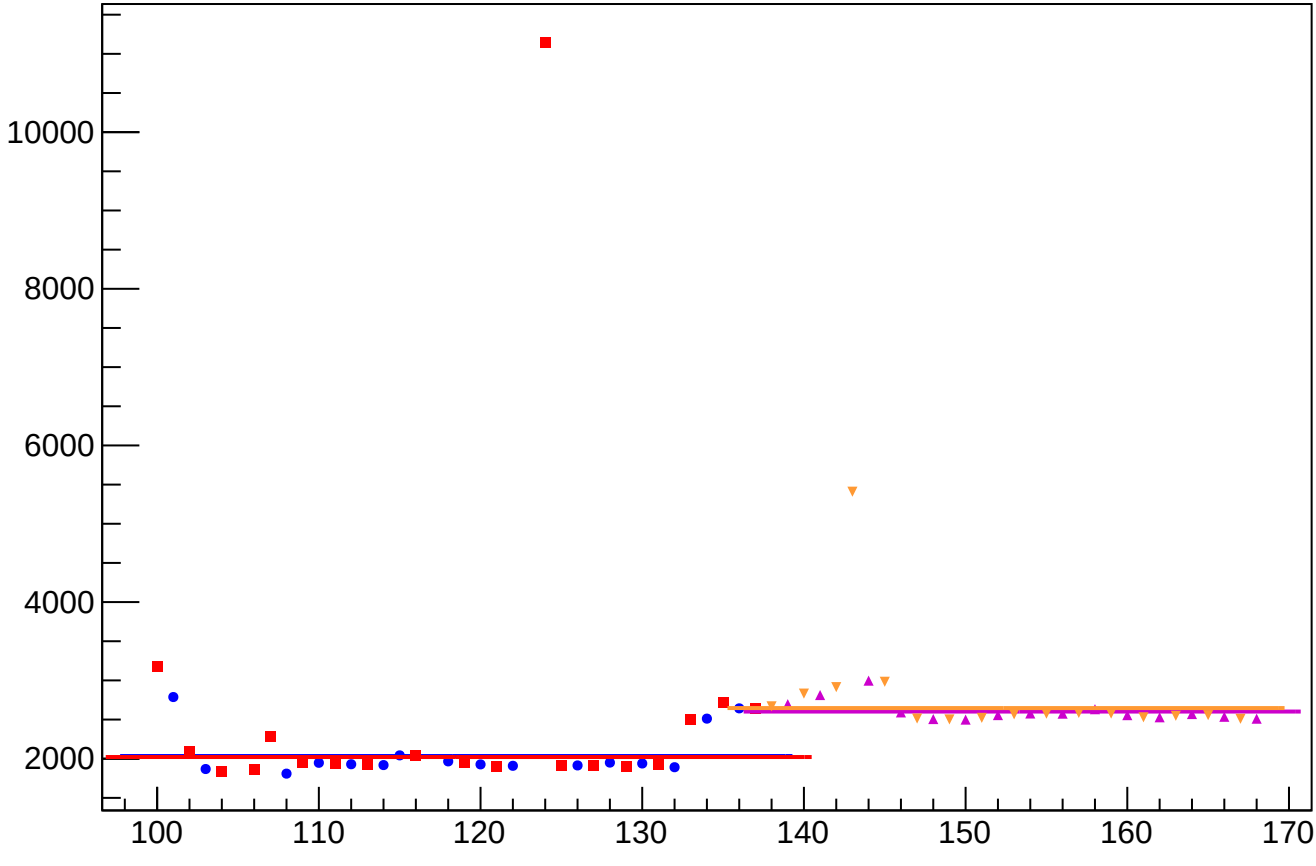
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2436.061+/-531.480 χ^2/NDF:16.8/30

Out: 1333.659+/-533.156 χ^2/NDF:56.4/34

All: 1886.596+/-376.404 χ^2/NDF: 75.3/65

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.2/15

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

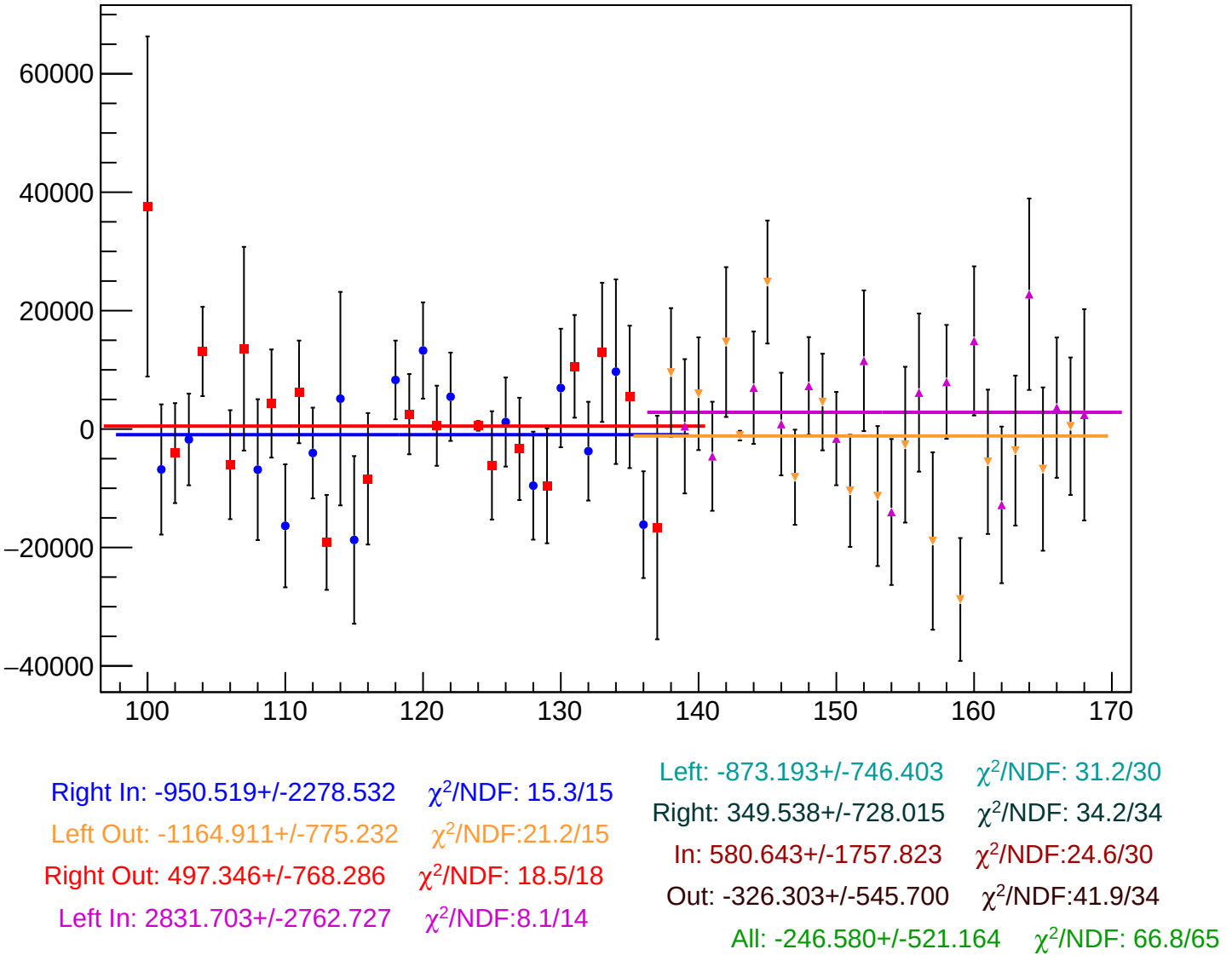
Left: 2624.009+/-0.373 χ^2/NDF: 551647.2/30

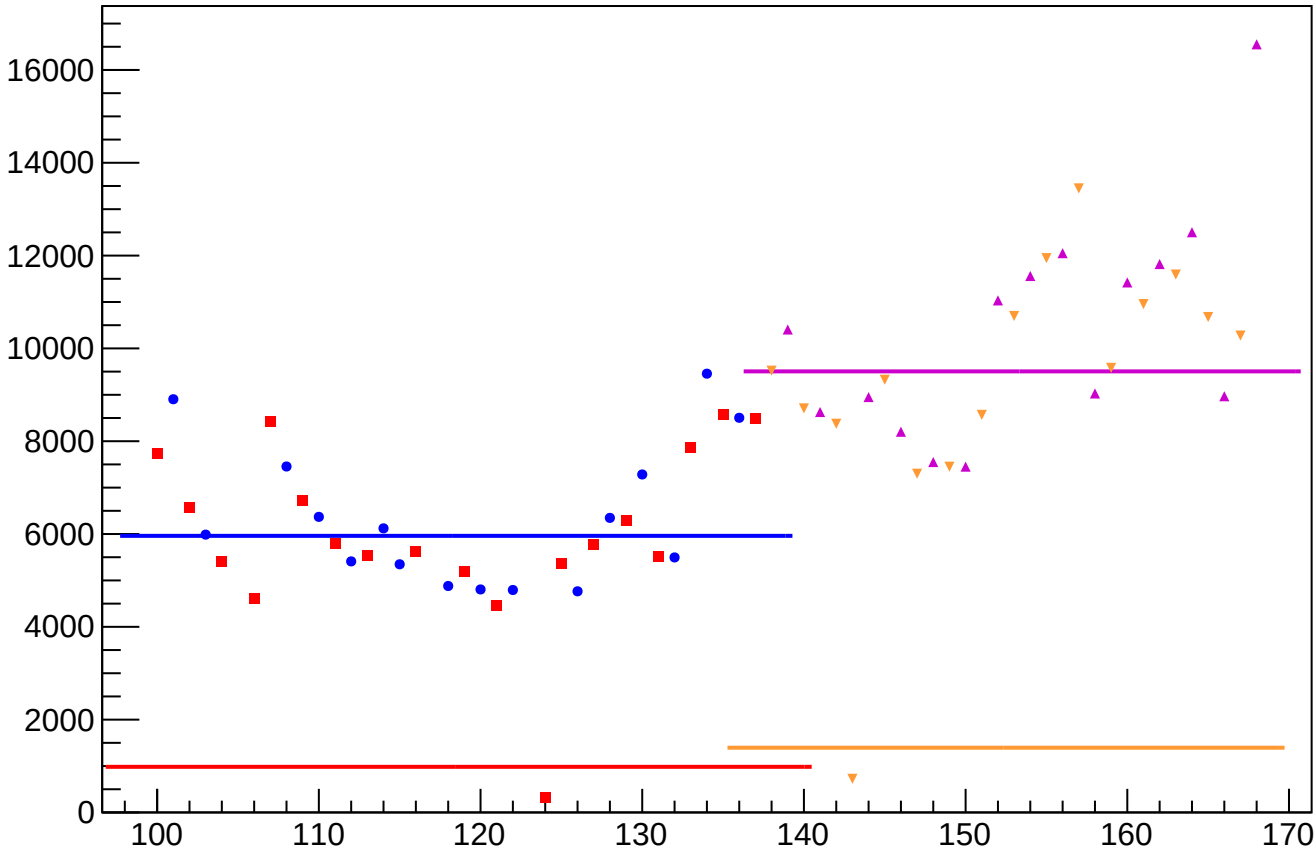
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2327.552+/-0.376 χ^2/NDF:888445.5/30

Out: 2335.829+/-0.377 χ^2/NDF:1570580.0/34

All: 2331.677+/-0.266 χ^2/NDF: 2459267.3/65


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1164.911+/-775.232 χ²/NDF:21.2/15
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2831.703+/-2762.727 χ²/NDF:8.1/14
Left: -873.193+/-746.403 χ²/NDF: 31.2/30
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 580.643+/-1757.823 χ²/NDF:24.6/30
Out: -326.303+/-545.700 χ²/NDF:41.9/34
All: -246.580+/-521.164 χ²/NDF: 66.8/65



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1395.218+/-0.548 χ^2/NDF:18445362.4/15

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9504.771+/-1.954 χ^2/NDF:989642.5/14

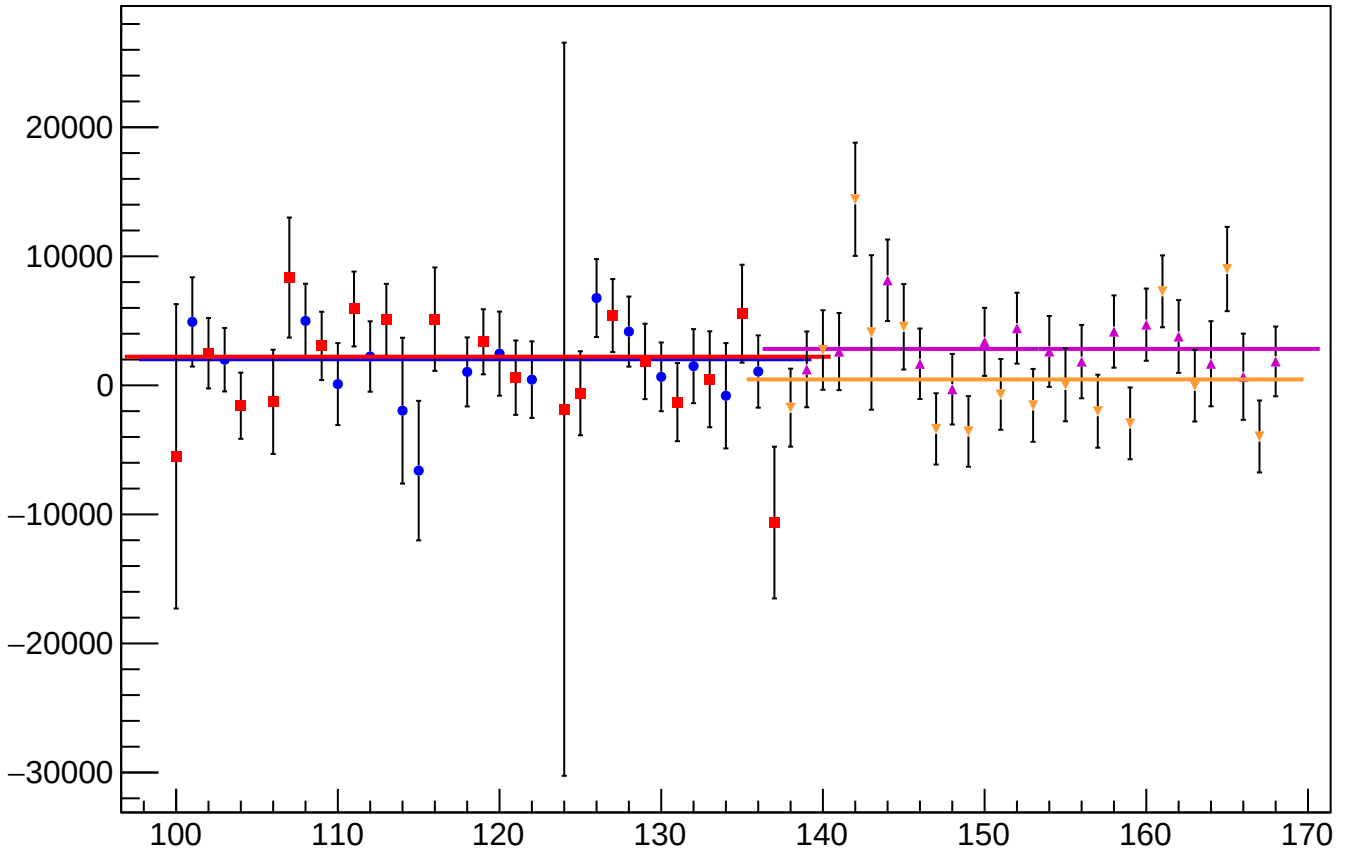
Left: 1987.145+/-0.528 χ^2/NDF: 35409664.2/30

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7395.512+/-1.243 χ^2/NDF:3637636.5/30

Out: 1187.414+/-0.386 χ^2/NDF:30146900.9/34

All: 1733.118+/-0.369 χ^2/NDF: 56537526.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF:35.5/15

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2823.113+/-739.510 χ^2/NDF:6.6/14

Left: 1661.170+/-527.228 χ^2/NDF: 47.2/30

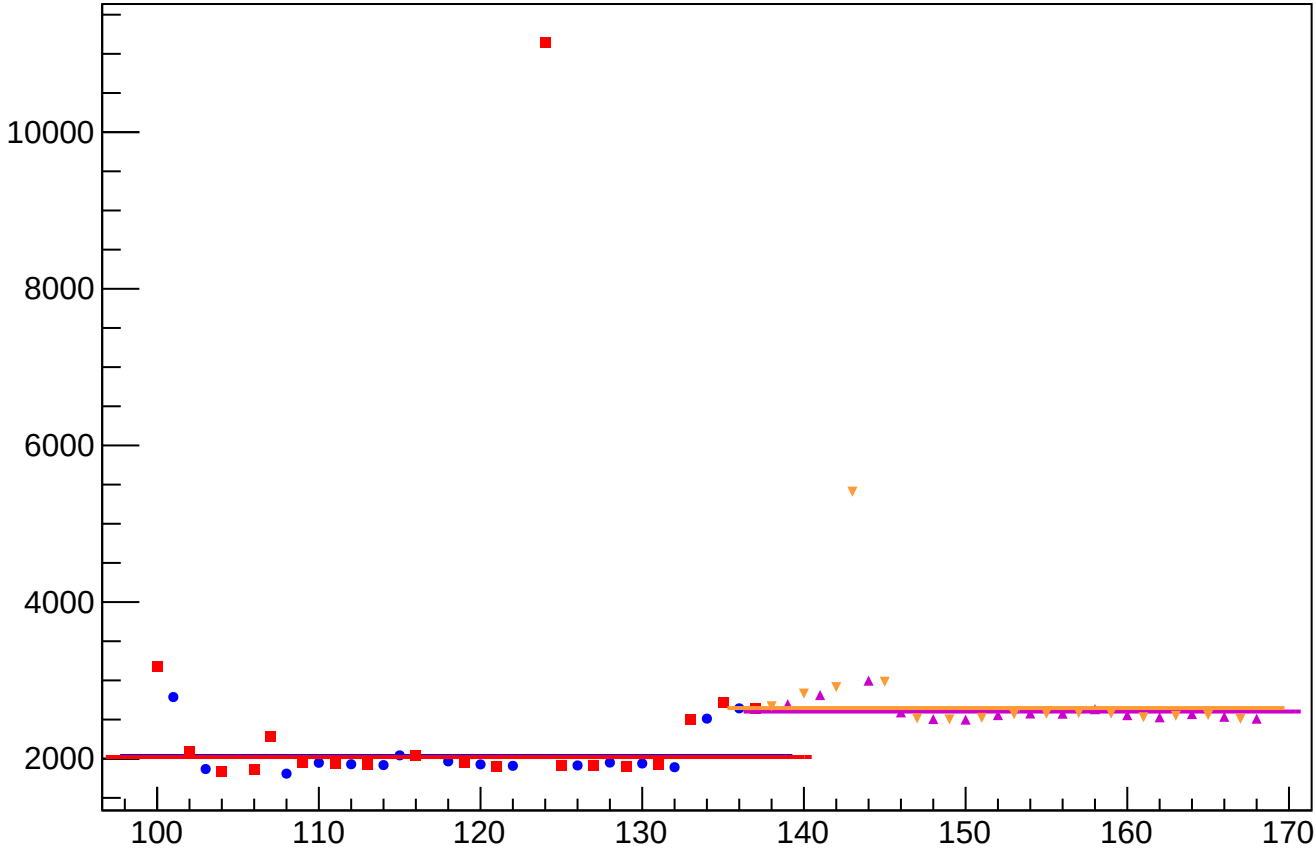
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2436.183+/-531.480 χ^2/NDF:16.8/30

Out: 1334.592+/-533.158 χ^2/NDF:56.4/34

All: 1887.125+/-376.405 χ^2/NDF: 75.3/65

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

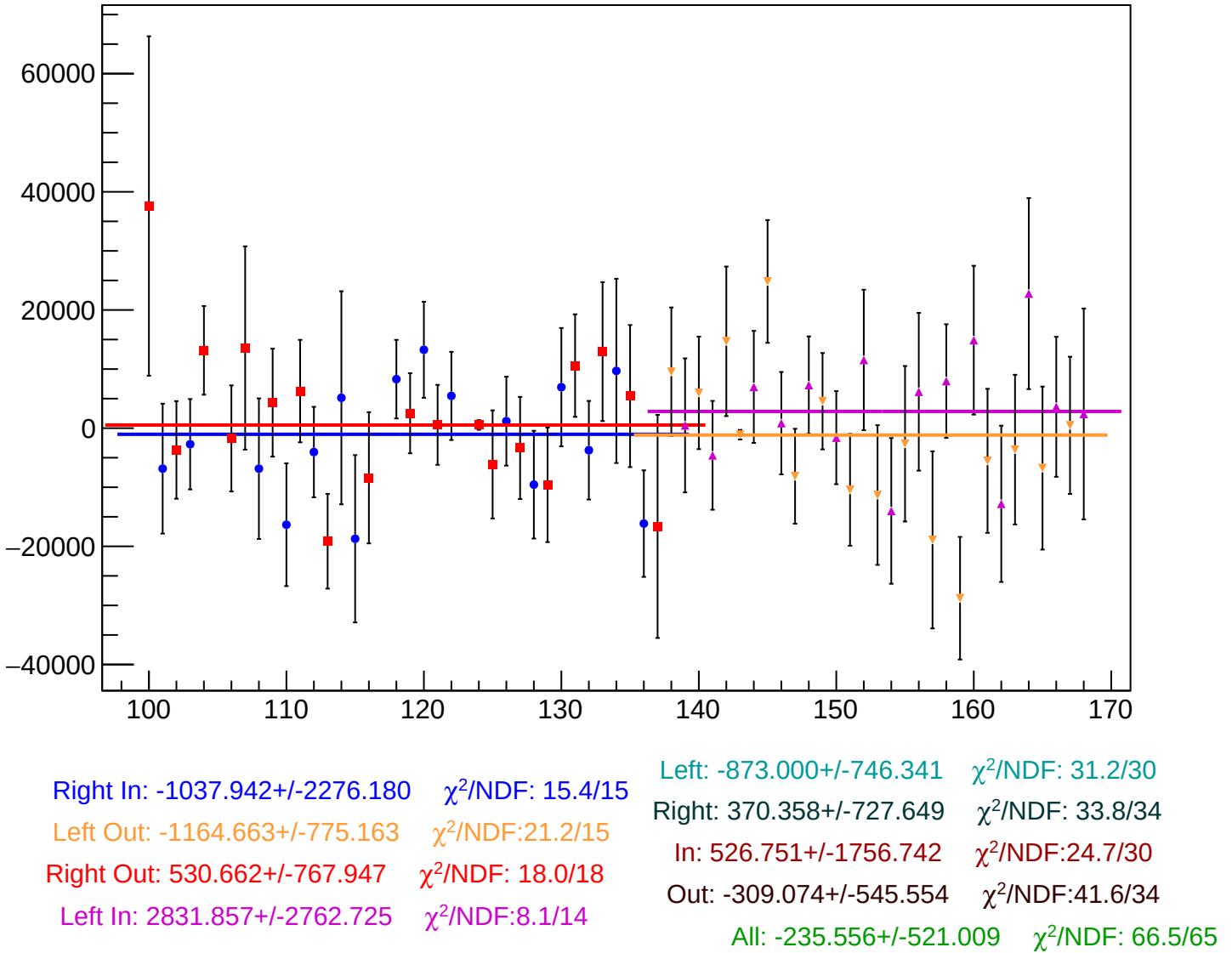
Left: 2624.009+/-0.373 χ^2/NDF: 551647.2/30

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2327.552+/-0.376 χ^2/NDF:888445.7/30

Out: 2335.842+/-0.377 χ^2/NDF:1570537.5/34

All: 2331.684+/-0.266 χ^2/NDF: 2459225.8/65


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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−40000
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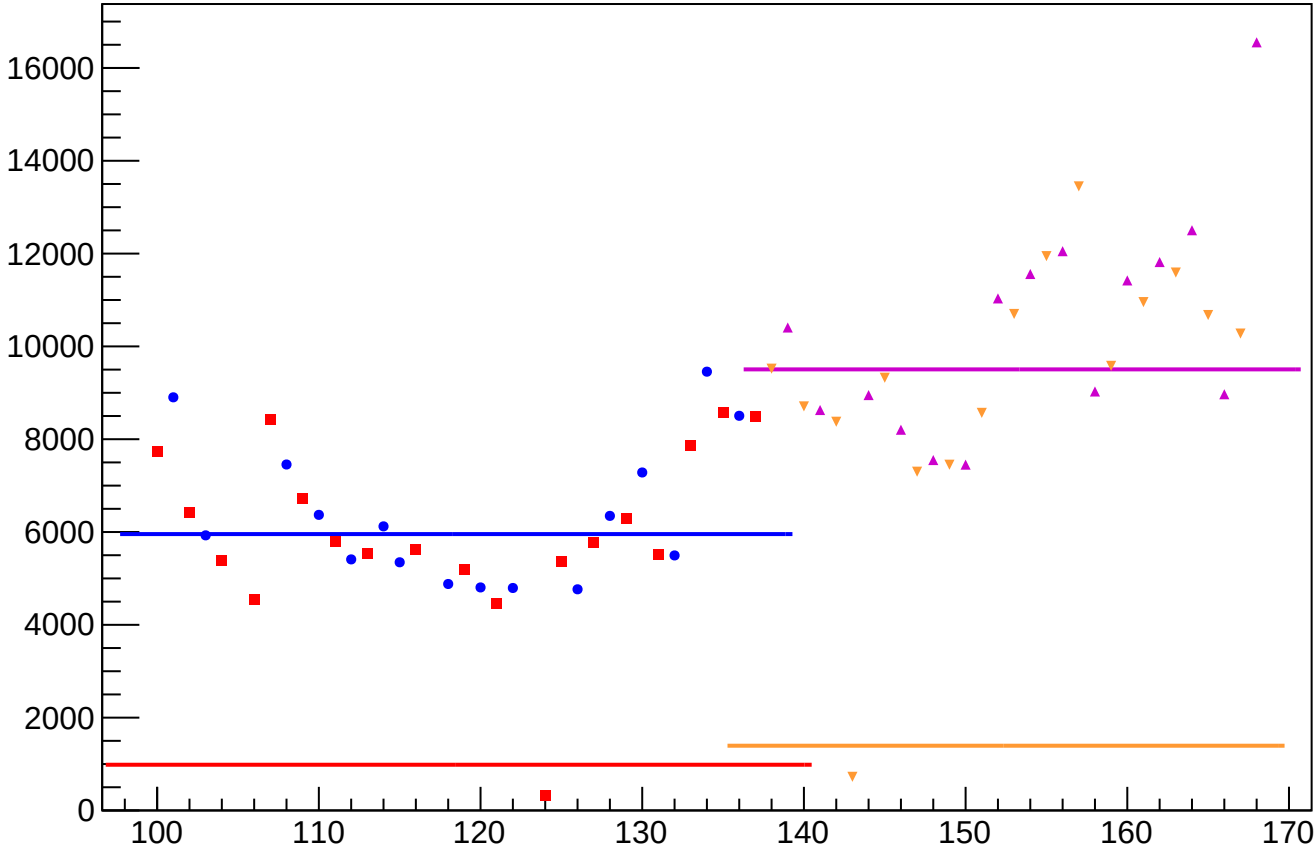
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1164.663+/-775.163 χ²/NDF:21.2/15
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2831.857+/-2762.725 χ²/NDF:8.1/14
Left: -873.000+/-746.341 χ²/NDF: 31.2/30
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 526.751+/-1756.742 χ²/NDF:24.7/30
Out: -309.074+/-545.554 χ²/NDF:41.6/34
All: -235.556+/-521.009 χ²/NDF: 66.5/65

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1395.035+/-0.548 χ^2/NDF:18445910.8/15

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9504.761+/-1.954 χ^2/NDF:989649.5/14

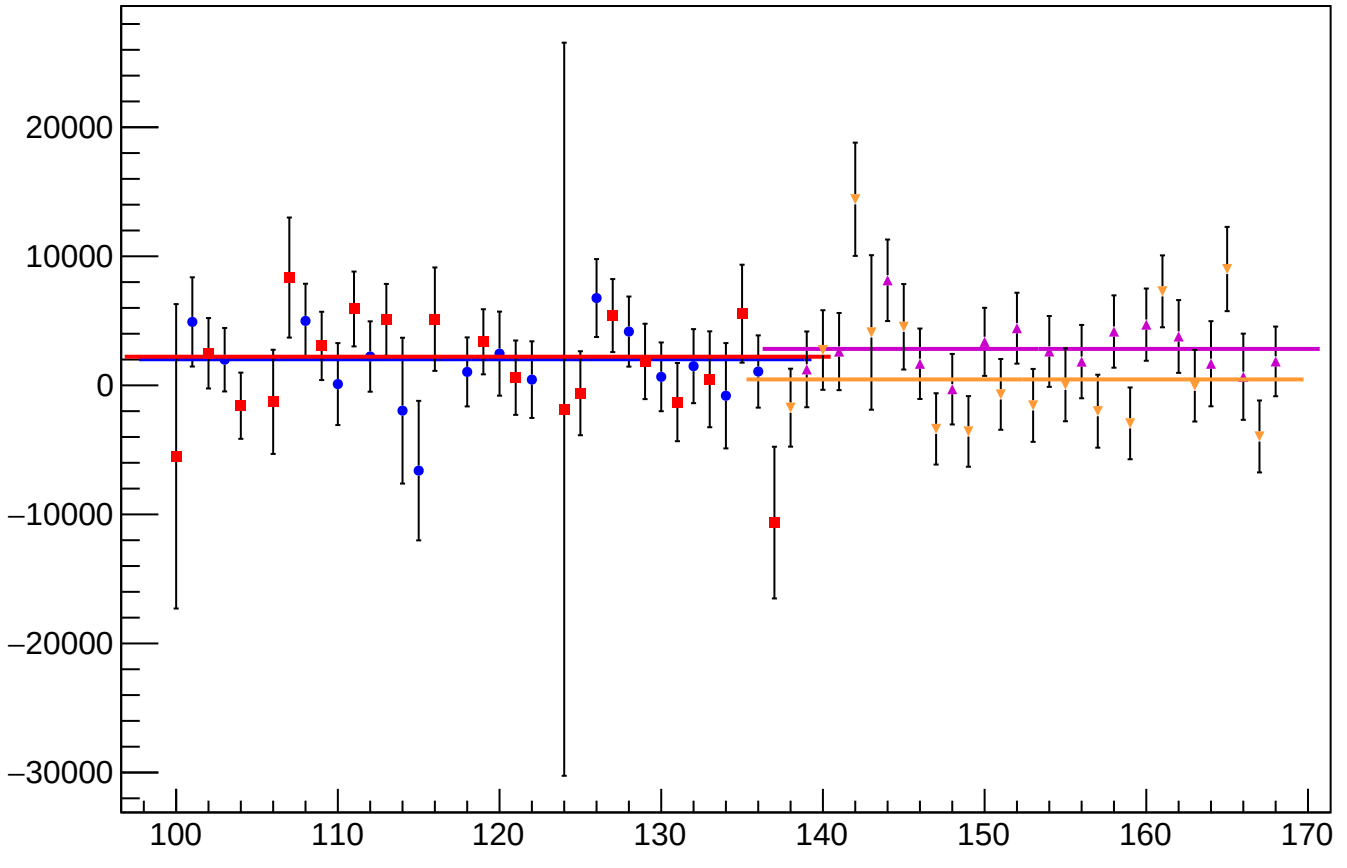
Left: 1986.877+/-0.528 χ^2/NDF: 35411138.7/30

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7390.671+/-1.242 χ^2/NDF:3644862.6/30

Out: 1188.123+/-0.386 χ^2/NDF:30141114.2/34

All: 1733.685+/-0.368 χ^2/NDF: 56524870.4/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 460.060+/-751.871 χ^2/NDF:35.5/15

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2823.113+/-739.510 χ^2/NDF:6.6/14

Left: 1661.170+/-527.228 χ^2/NDF: 47.2/30

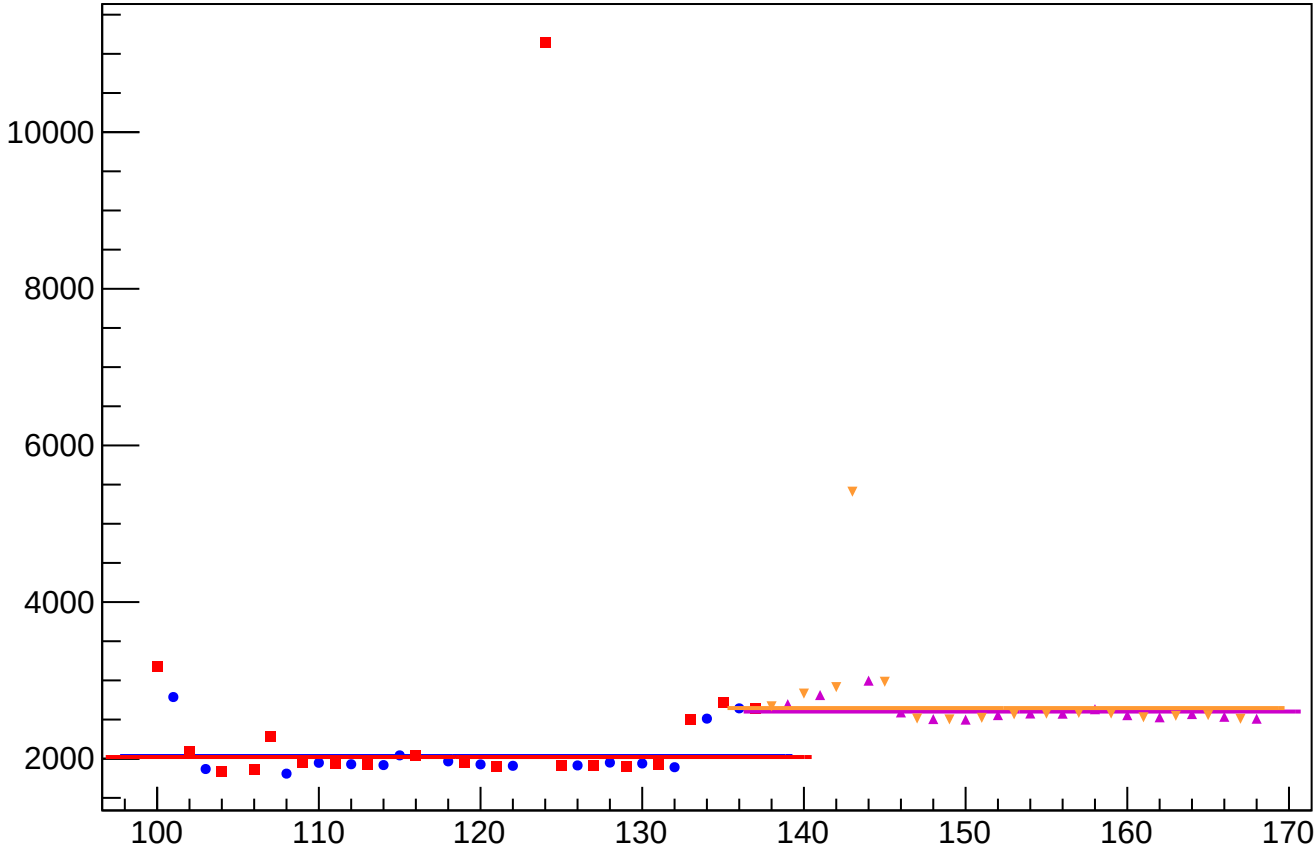
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2436.183+/-531.480 χ^2/NDF:16.8/30

Out: 1334.592+/-533.158 χ^2/NDF:56.4/34

All: 1887.125+/-376.405 χ^2/NDF: 75.3/65

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2646.574+/-0.532 χ^2/NDF:493113.1/15

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2602.180+/-0.523 χ^2/NDF:54990.0/14

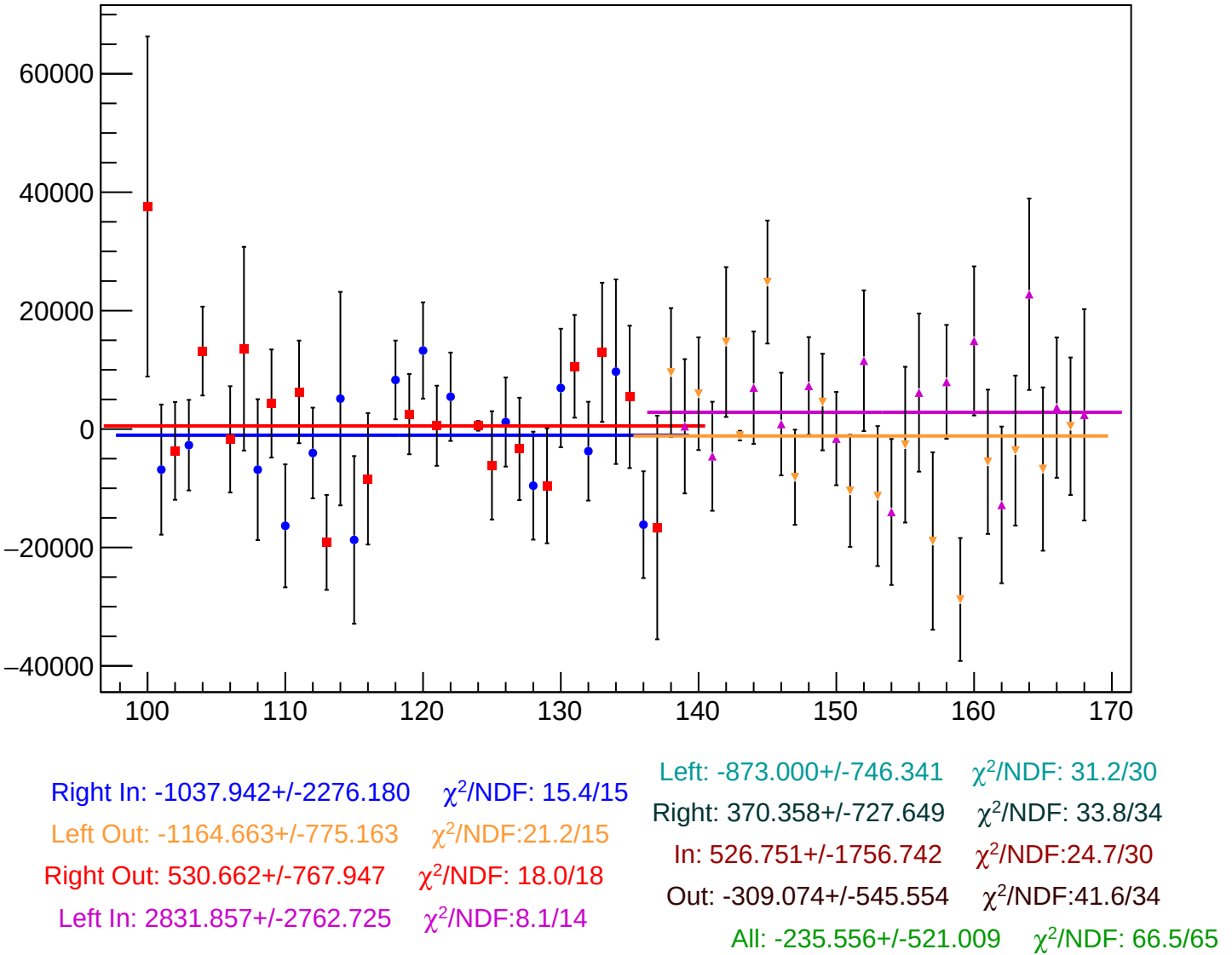
Left: 2624.009+/-0.373 χ^2/NDF: 551647.2/30

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2327.552+/-0.376 χ^2/NDF:888445.7/30

Out: 2335.842+/-0.377 χ^2/NDF:1570537.5/34

All: 2331.684+/-0.266 χ^2/NDF: 2459225.8/65


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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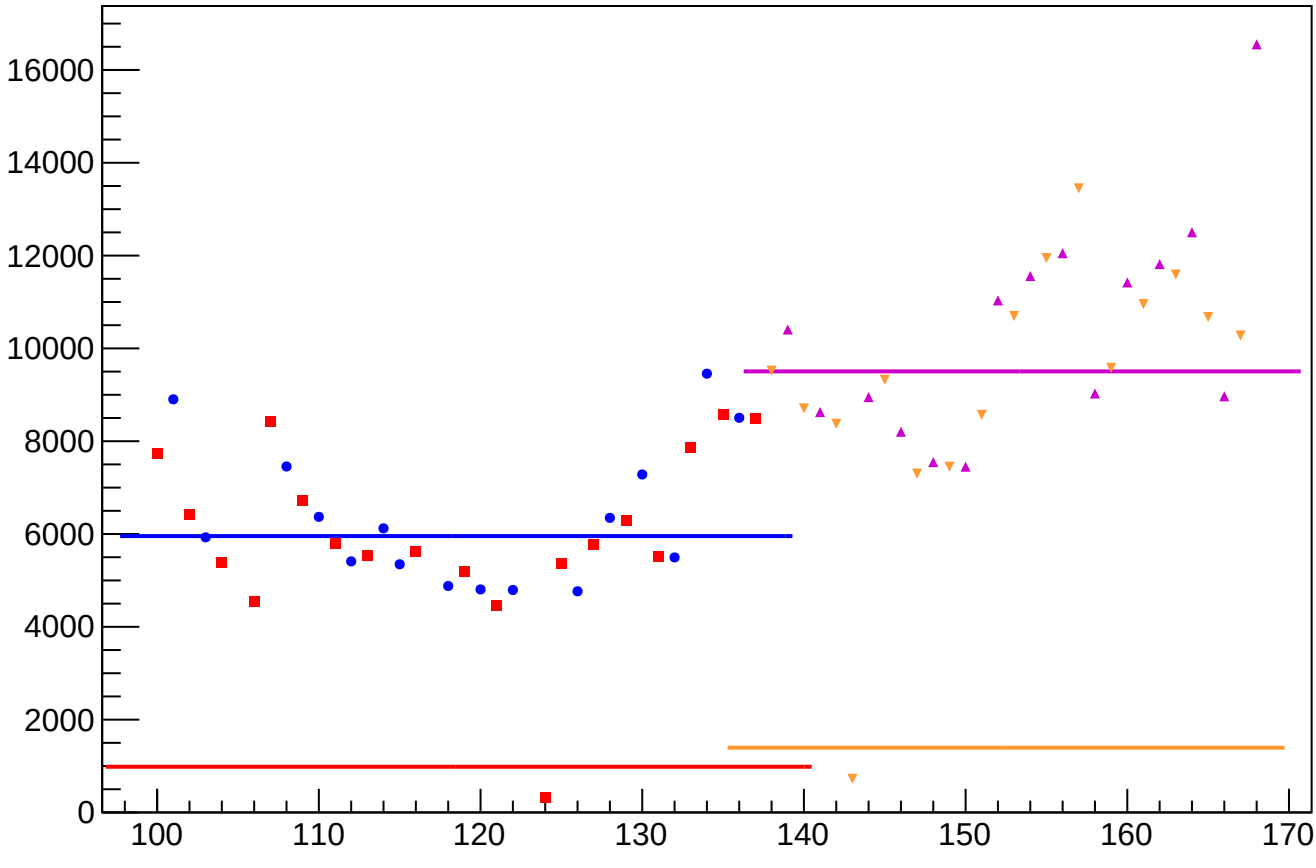
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1164.663+/-775.163 χ²/NDF:21.2/15
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2831.857+/-2762.725 χ²/NDF:8.1/14
Left: -873.000+/-746.341 χ²/NDF: 31.2/30
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 526.751+/-1756.742 χ²/NDF:24.7/30
Out: -309.074+/-545.554 χ²/NDF:41.6/34
All: -235.556+/-521.009 χ²/NDF: 66.5/65



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1395.035+/-0.548 χ^2/NDF:18445910.8/15

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9504.761+/-1.954 χ^2/NDF:989649.5/14

Left: 1986.877+/-0.528 χ^2/NDF: 35411138.7/30

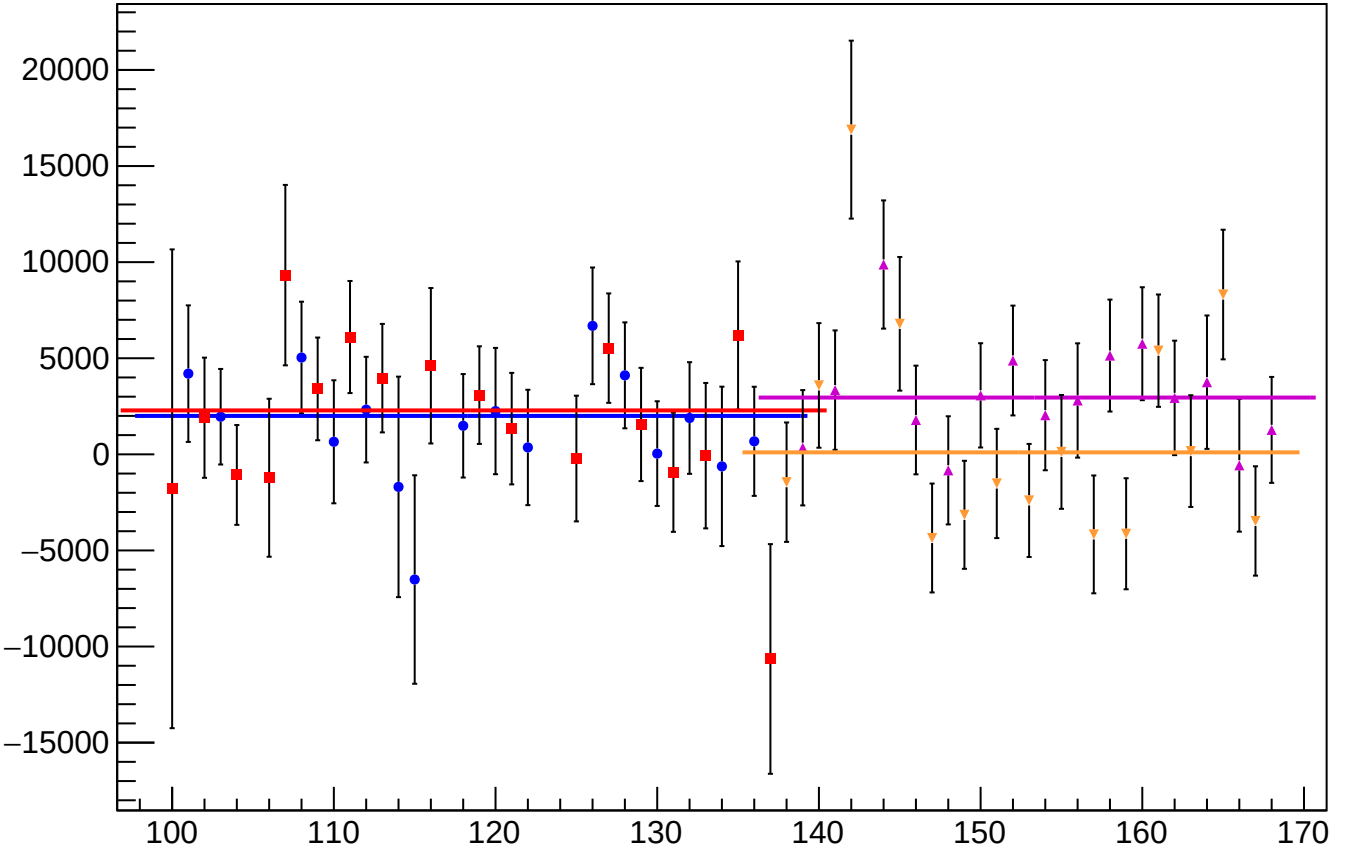
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7390.671+/-1.242 χ^2/NDF:3644862.6/30

Out: 1188.123+/-0.386 χ^2/NDF:30141114.2/34

All: 1733.685+/-0.368 χ^2/NDF: 56524870.4/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 103.262+/-789.117 χ^2/NDF:38.0/14

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2954.299+/-768.239 χ^2/NDF:10.6/14

Left: 1566.995+/-550.460 χ^2/NDF: 55.3/29

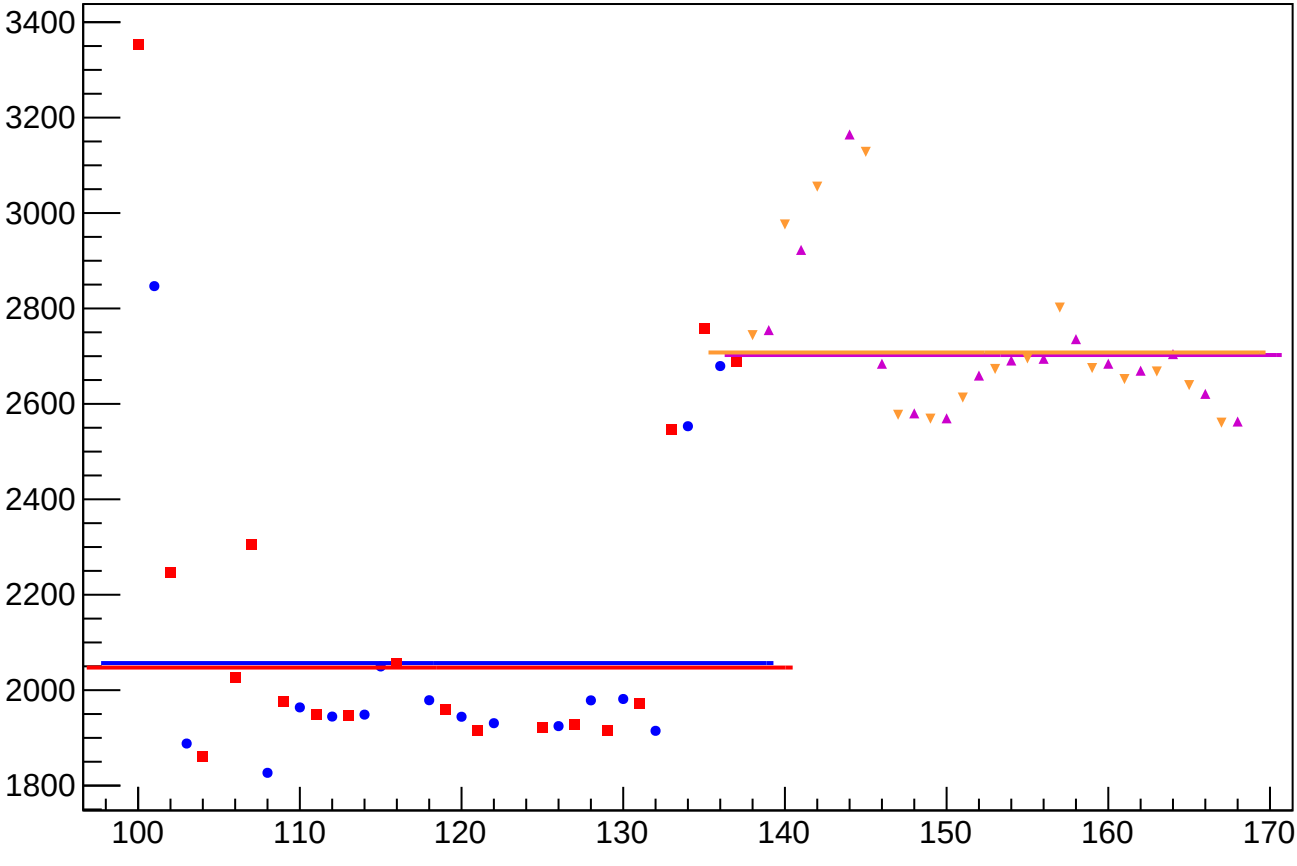
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2480.039+/-545.091 χ^2/NDF:20.3/30

Out: 1219.501+/-551.582 χ^2/NDF:58.6/32

All: 1857.231+/-387.712 χ^2/NDF: 81.5/63

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.745+/-0.558 χ^2/NDF:75550.7/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2702.418+/-0.543 χ^2/NDF:65021.6/14

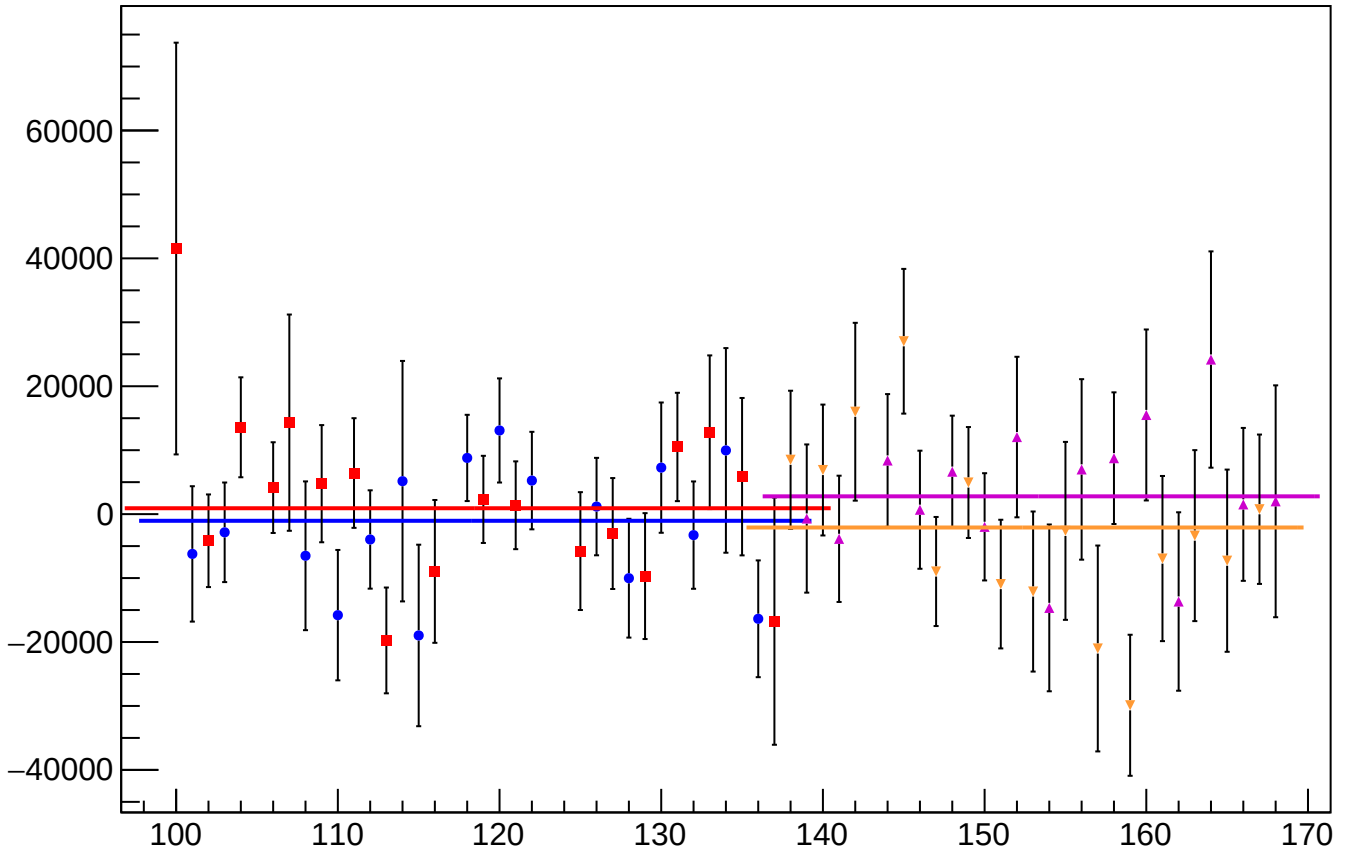
Left: 2705.010+/-0.389 χ^2/NDF: 140619.1/29

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2381.825+/-0.385 χ^2/NDF:1036881.0/30

Out: 2369.535+/-0.390 χ^2/NDF:989381.0/32

All: 2375.748+/-0.274 χ^2/NDF: 2026764.8/63



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2090.224+/-2942.601 χ^2/NDF:20.9/14

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2782.108+/-2924.774 χ^2/NDF:8.1/14

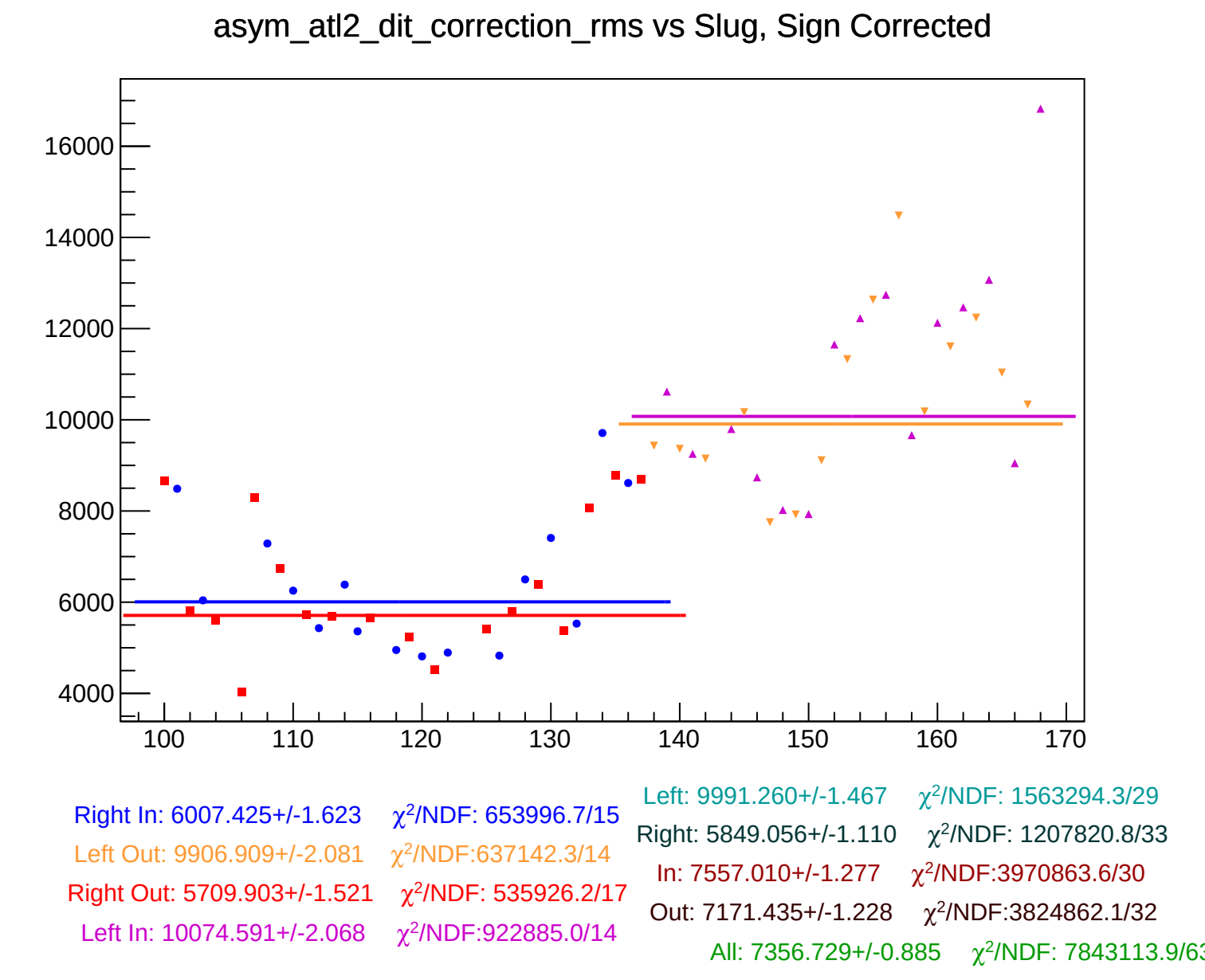
Left: 360.745+/-2074.401 χ^2/NDF: 30.3/29

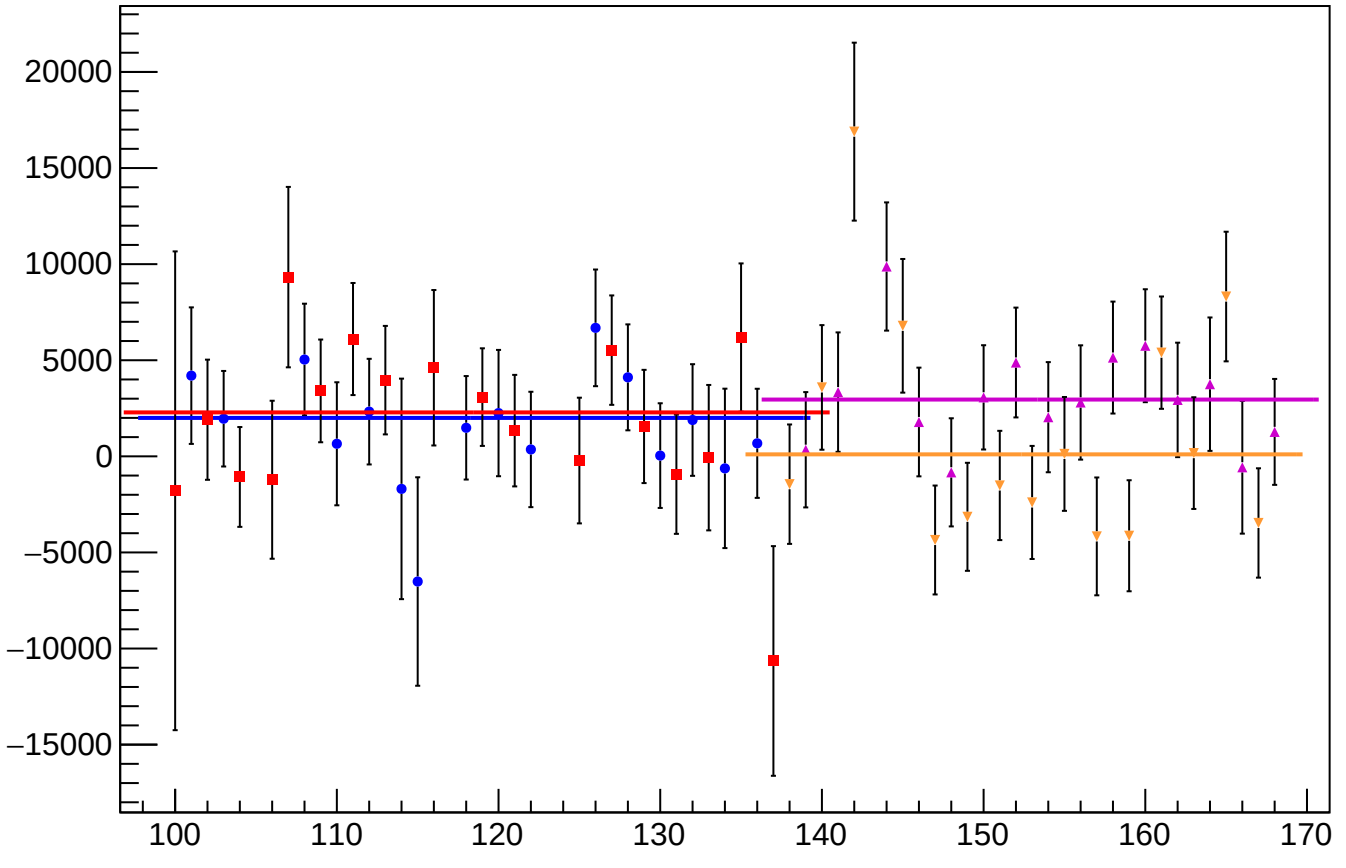
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 414.661+/-1805.319 χ^2/NDF:24.4/30

Out: -128.476+/-1736.464 χ^2/NDF:39.9/32

All: 132.537+/-1251.500 χ^2/NDF: 64.4/63


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9906.909+/-2.081 χ²/NDF:637142.3/14
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 10074.591+/-2.068 χ²/NDF:922885.0/14
Left: 9991.260+/-1.467 χ²/NDF: 1563294.3/29
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7557.010+/-1.277 χ²/NDF:3970863.6/30
Out: 7171.435+/-1.228 χ²/NDF:3824862.1/32
All: 7356.729+/-0.885 χ²/NDF: 7843113.9/63



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 103.251+/-789.118 χ^2/NDF:38.0/14

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2954.300+/-768.240 χ^2/NDF:10.6/14

Left: 1566.990+/-550.461 χ^2/NDF: 55.3/29

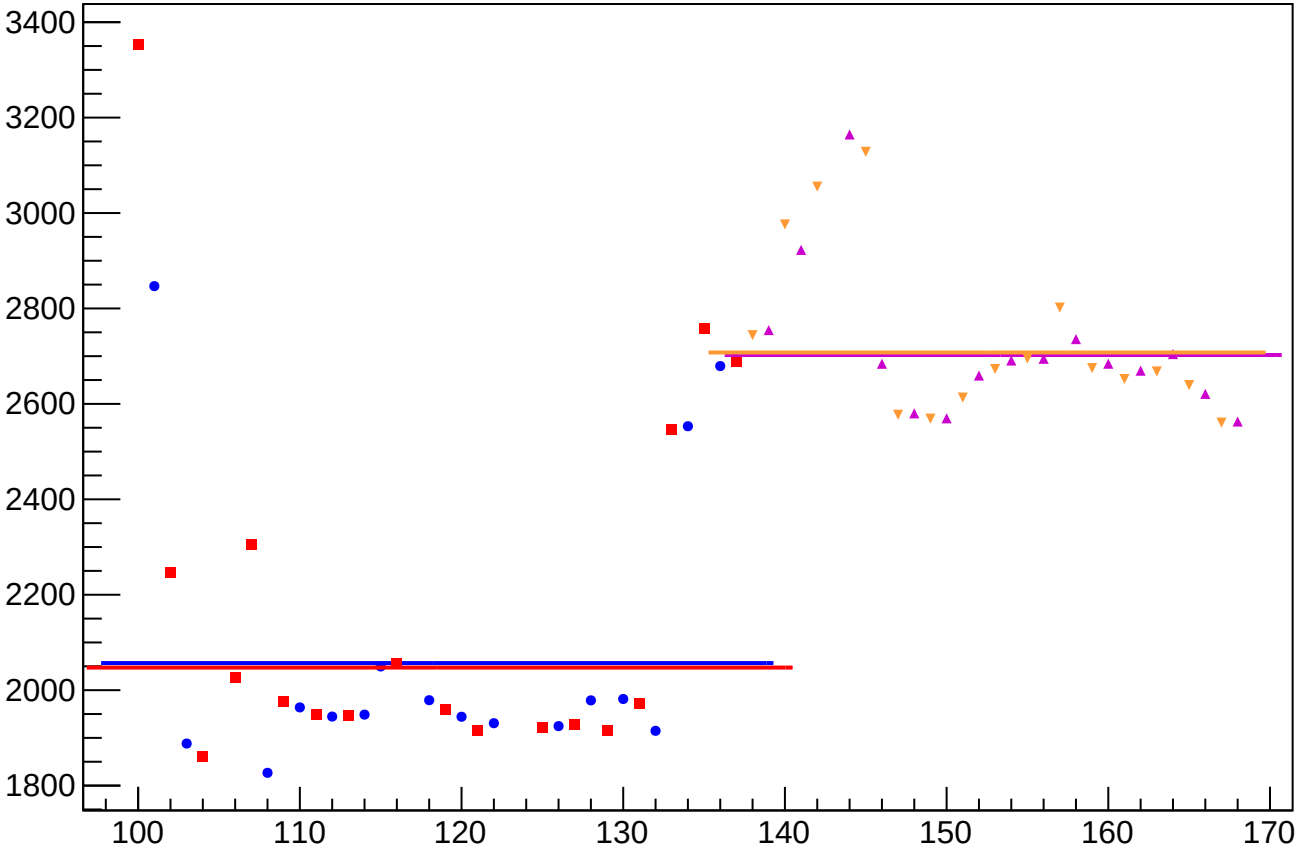
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2480.041+/-545.091 χ^2/NDF:20.3/30

Out: 1219.499+/-551.583 χ^2/NDF:58.6/32

All: 1857.231+/-387.712 χ^2/NDF: 81.5/63

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2707.748+/-0.558 χ^2/NDF:75552.1/14

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2702.421+/-0.543 χ^2/NDF:65022.3/14

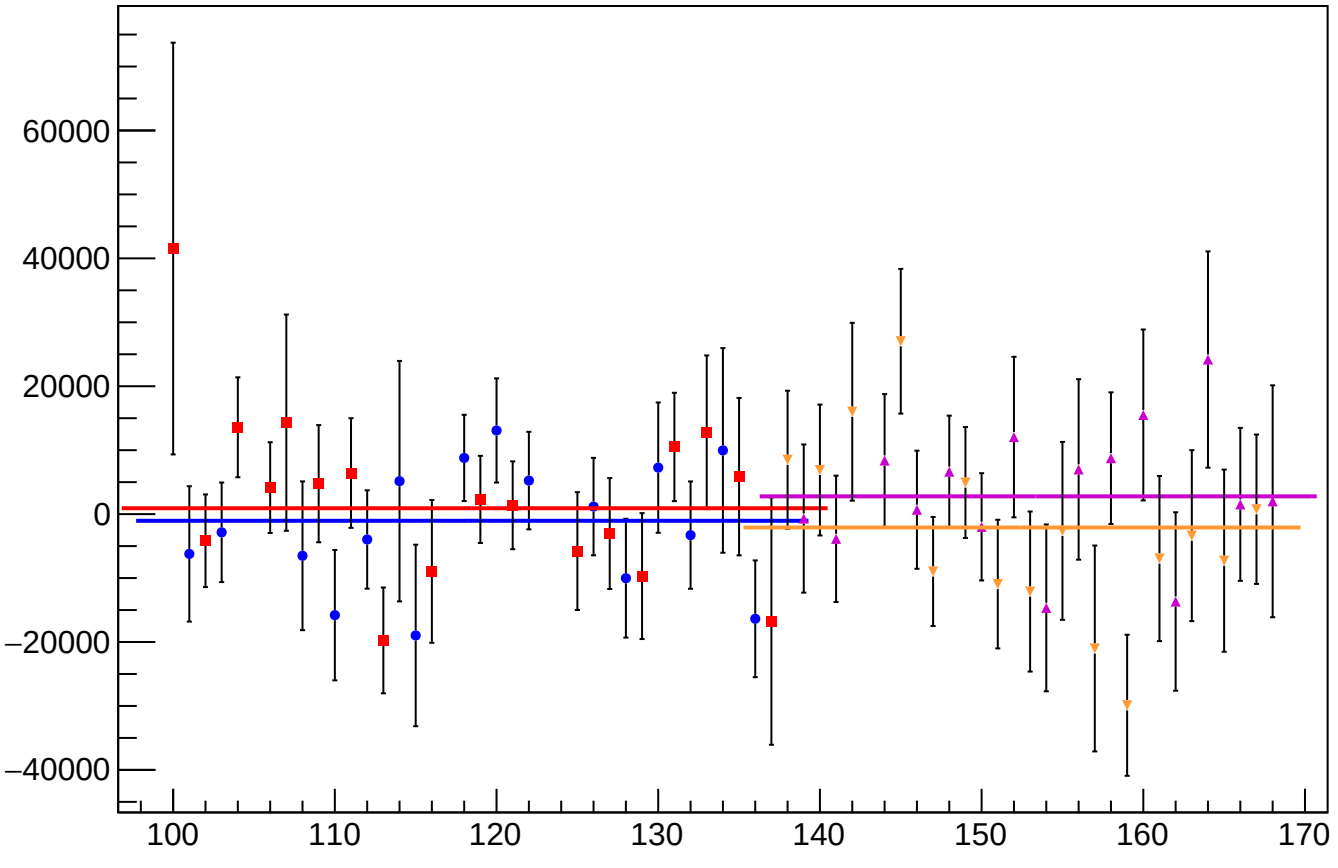
Left: 2705.013+/-0.389 χ^2/NDF: 140621.2/29

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2381.827+/-0.385 χ^2/NDF:1036886.8/30

Out: 2369.536+/-0.390 χ^2/NDF:989388.4/32

All: 2375.749+/-0.274 χ^2/NDF: 2026778.0/63



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2090.236+/-2942.605 χ^2/NDF:20.9/14

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2782.108+/-2924.778 χ^2/NDF:8.1/14

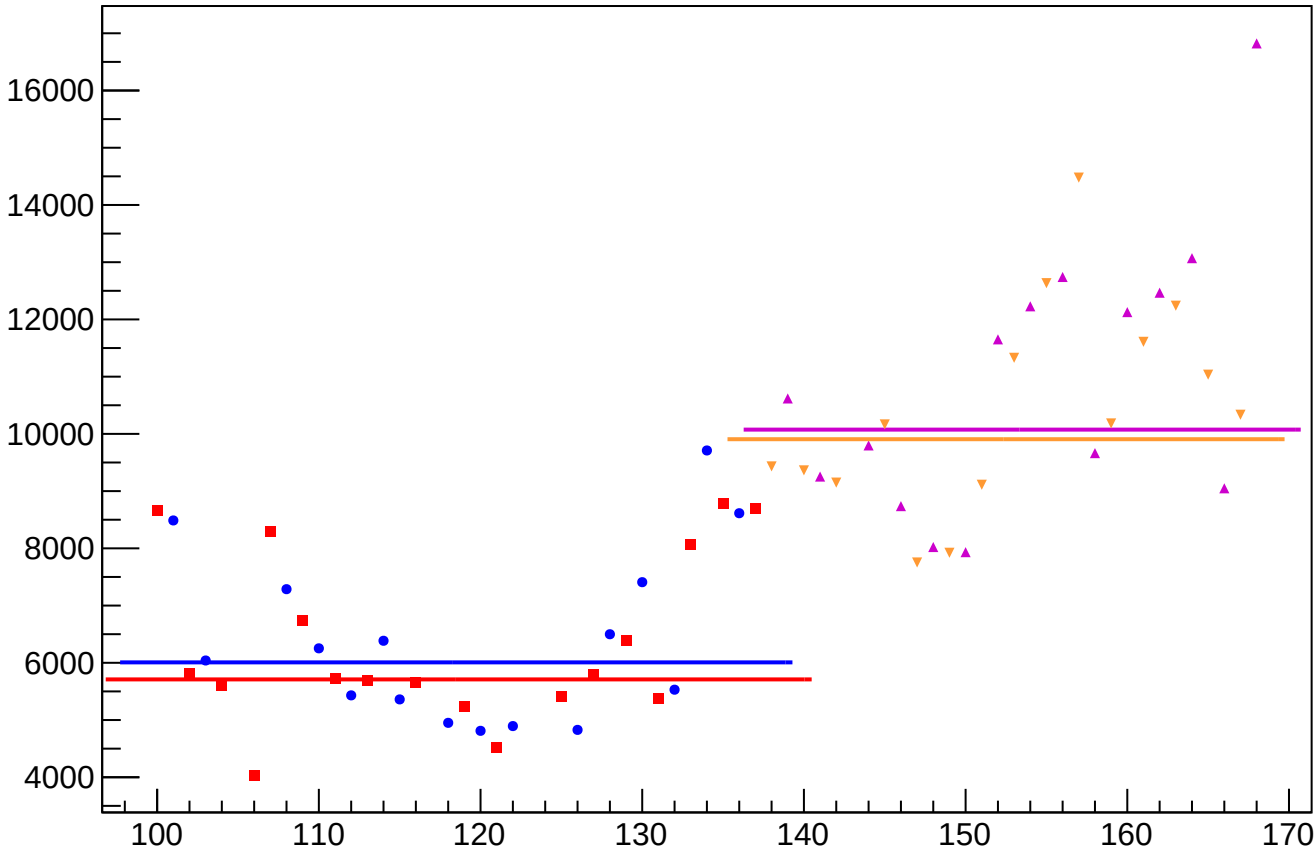
Left: 360.740+/-2074.404 χ^2/NDF: 30.3/29

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 414.661+/-1805.317 χ^2/NDF:24.4/30

Out: -128.472+/-1736.461 χ^2/NDF:39.9/32

All: 132.540+/-1251.498 χ^2/NDF: 64.4/63



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9906.923+/-2.081 χ^2/NDF:637145.6/14

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 10074.604+/-2.068 χ^2/NDF:922888.2/14

Left: 9991.273+/-1.467 χ^2/NDF: 1563300.7/29

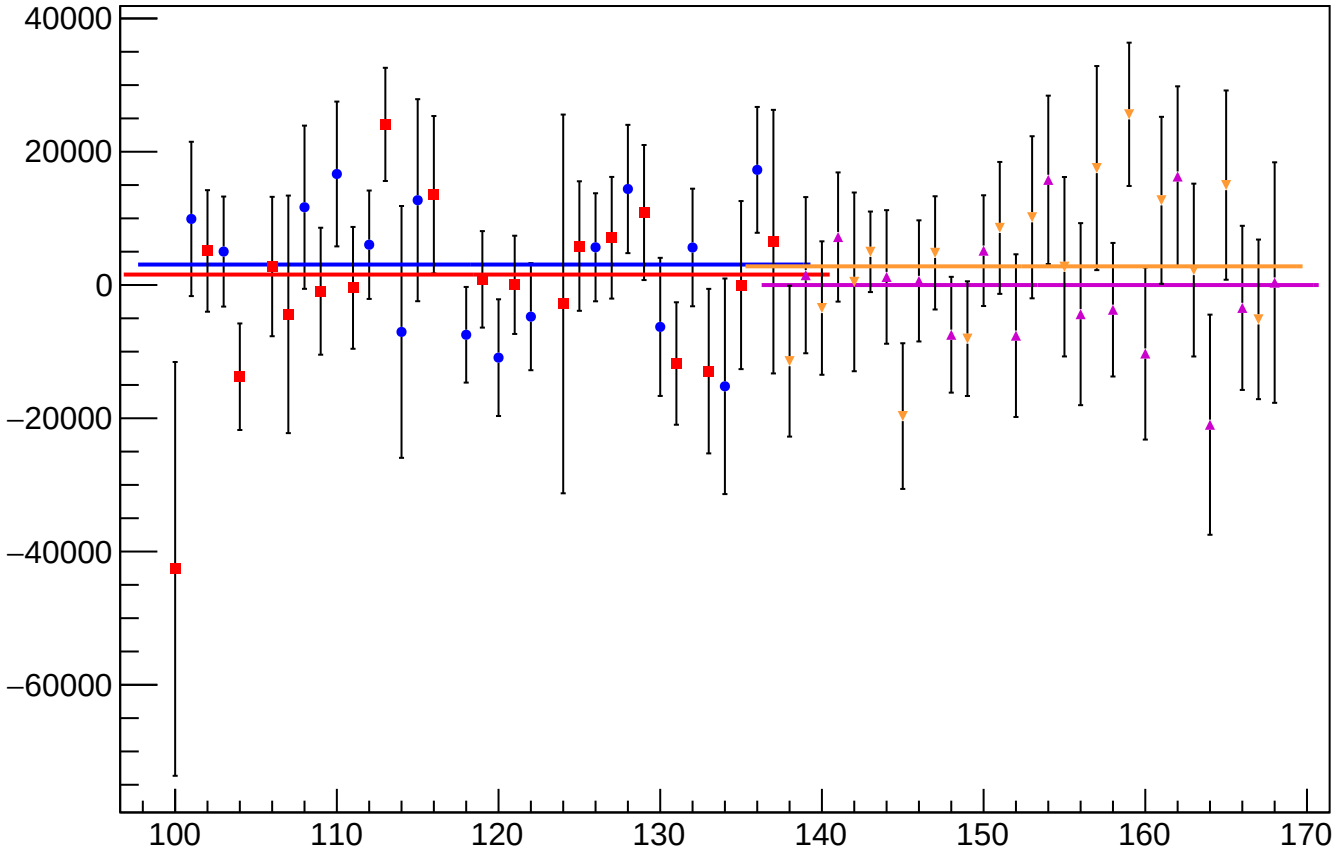
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7556.994+/-1.277 χ^2/NDF:3970914.9/30

Out: 7171.420+/-1.228 χ^2/NDF:3824908.2/32

All: 7356.714+/-0.885 χ^2/NDF: 7843211.1/63

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2801.215+/-2616.518 χ^2/NDF:15.9/15

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: -7.075+/-2877.582 χ^2/NDF:7.7/14

Left: 1530.211+/-1935.888 χ^2/NDF: 24.1/30

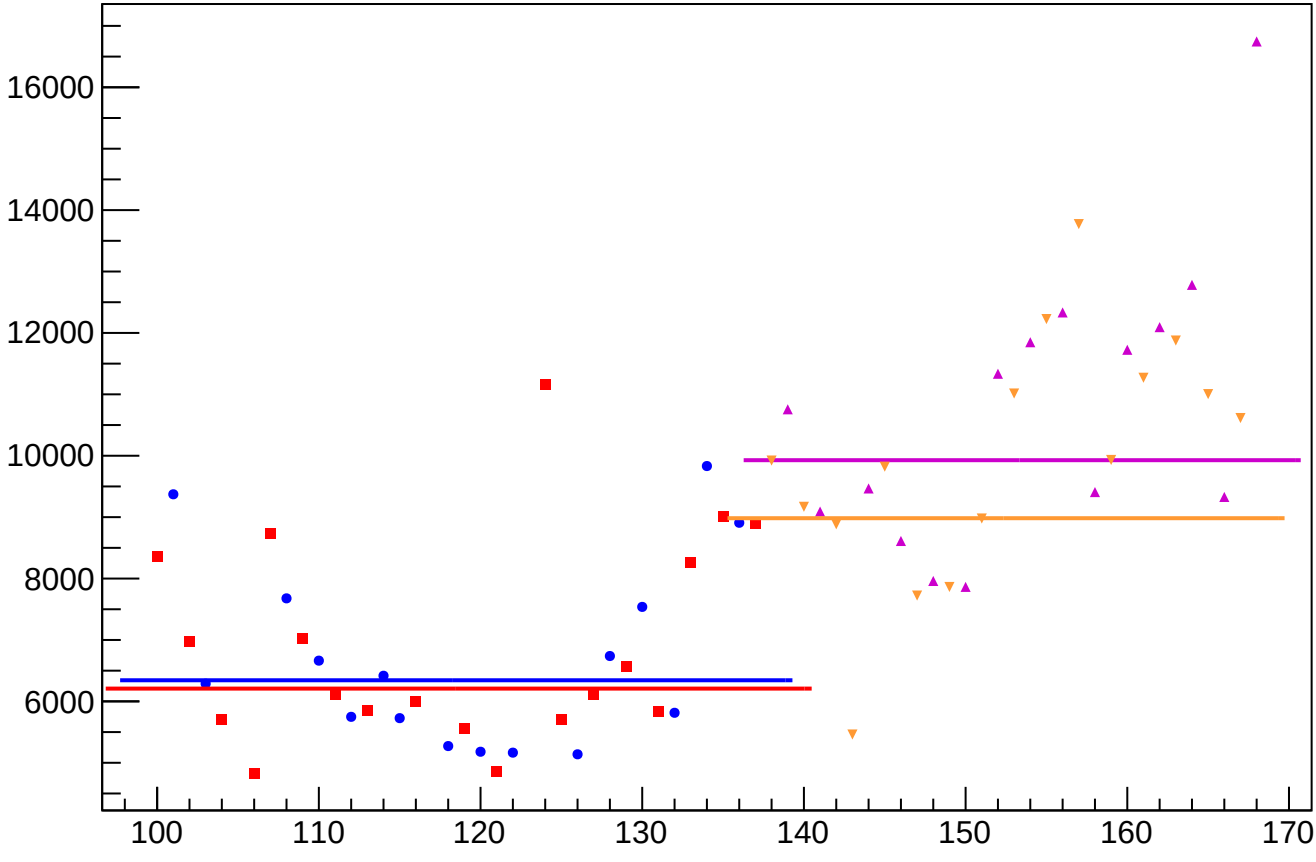
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1795.005+/-1852.431 χ^2/NDF:23.2/30

Out: 2114.441+/-1742.521 χ^2/NDF:35.3/34

All: 1964.481+/-1269.226 χ^2/NDF: 58.5/65

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8982.830+/-1.850 χ^2/NDF:1410260.0/15

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9927.552+/-2.035 χ^2/NDF:876892.1/14

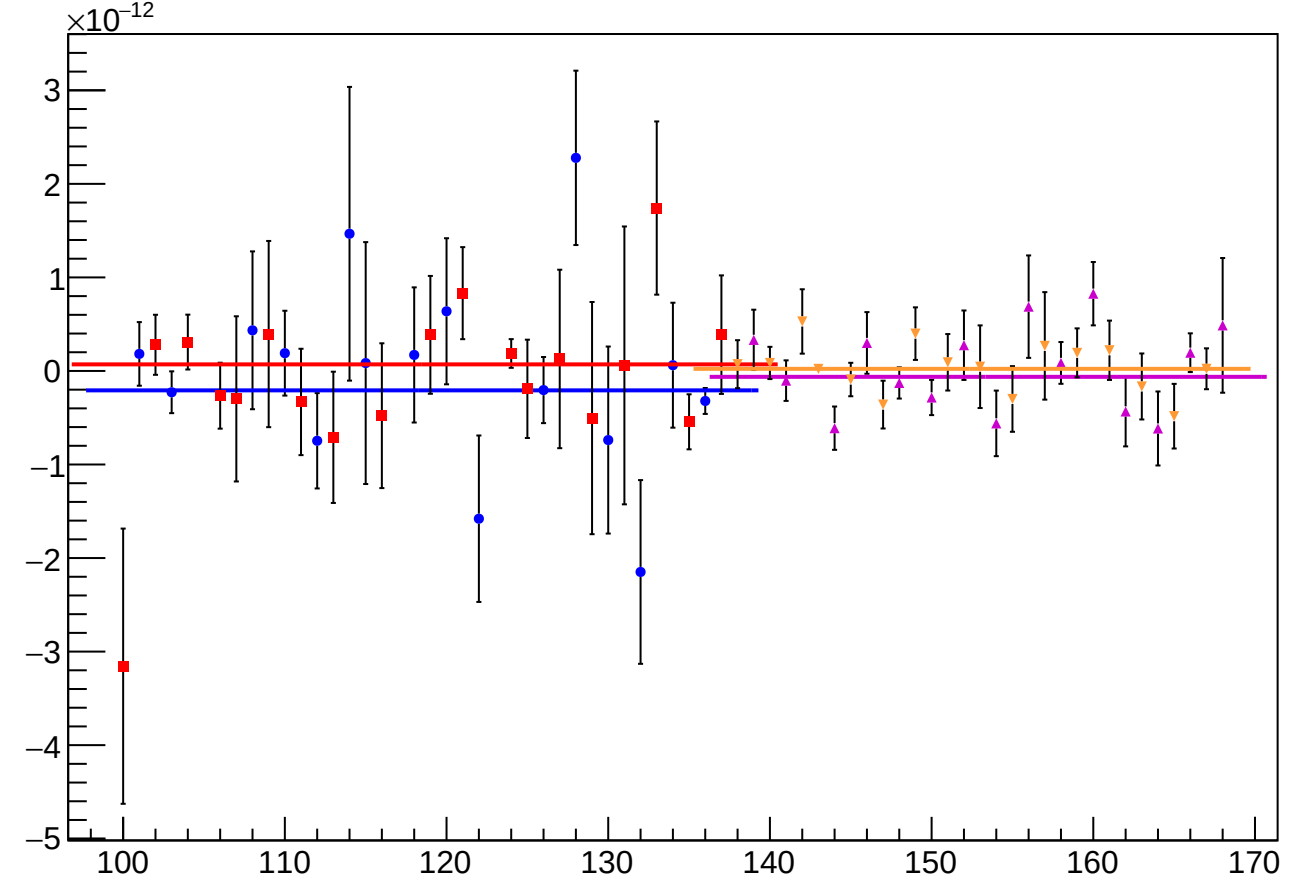
Left: 9410.402+/-1.369 χ^2/NDF: 2405155.8/30

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7828.933+/-1.310 χ^2/NDF:3314680.0/30

Out: 7438.730+/-1.232 χ^2/NDF:3133738.7/34

All: 7621.913+/-0.897 χ^2/NDF: 6495500.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:27.0/14

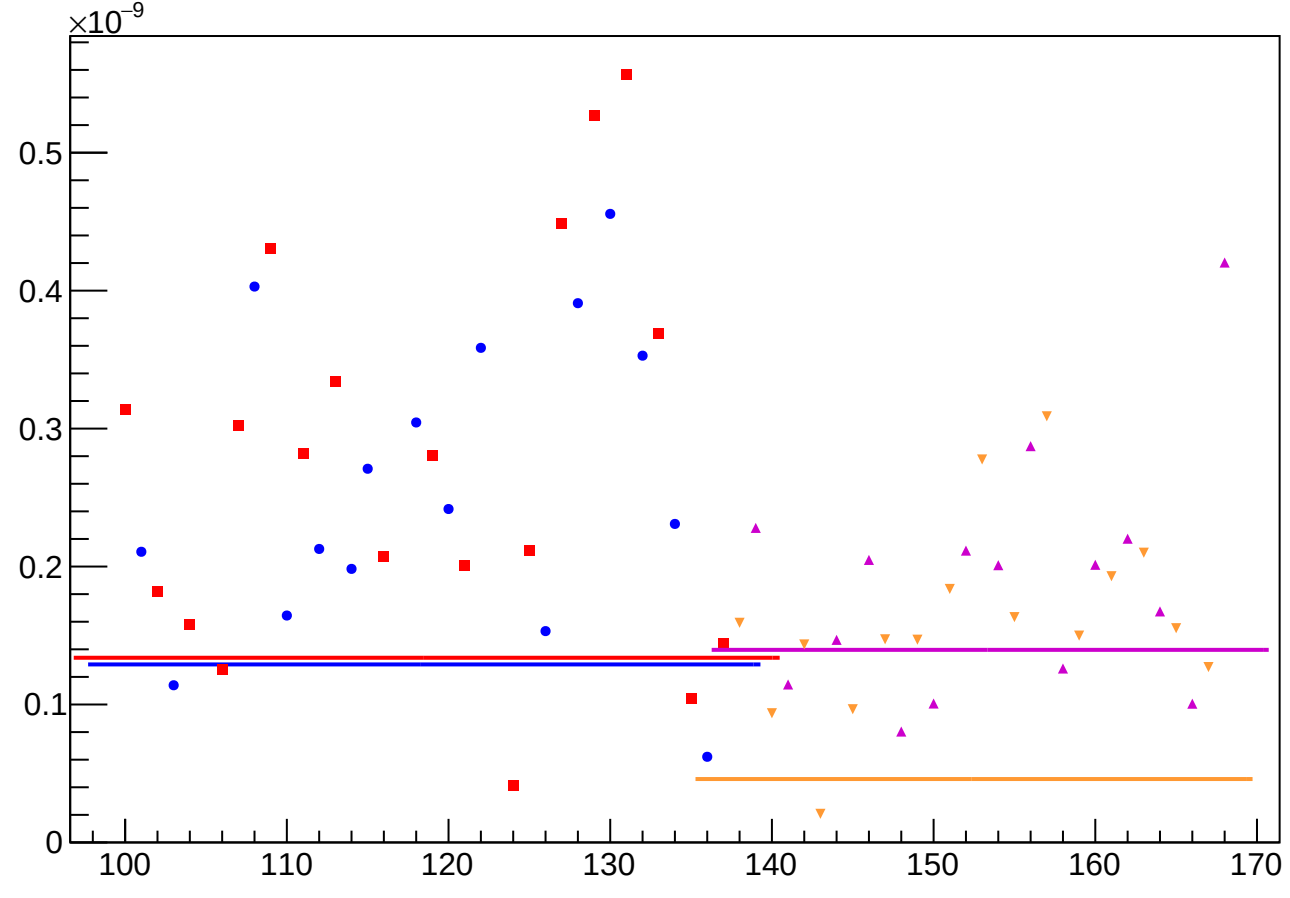
Left: 0.000+/-0.000 χ^2/NDF: 39.4/30

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:49.5/30

Out: 0.000+/-0.000 χ^2/NDF:32.2/34

All: -0.000+/-0.000 χ^2/NDF: 86.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5706450.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1428022.5/14

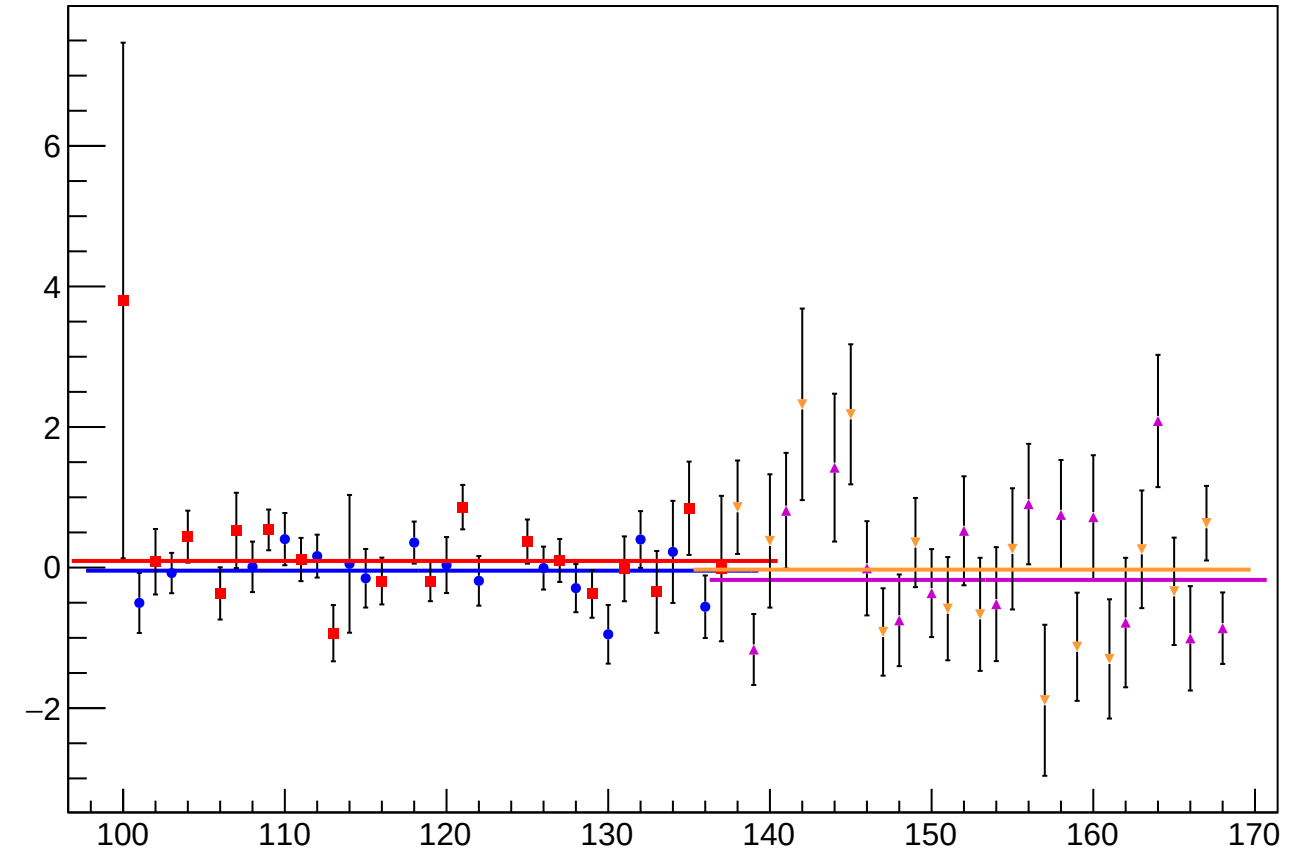
Left: 0.000+/-0.000 χ^2/NDF: 10166453.1/30

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3164463.3/30

Out: 0.000+/-0.000 χ^2/NDF:9531184.2/34

All: 0.000+/-0.000 χ^2/NDF: 15972384.1/65



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.175+/-0.186 χ^2/NDF:22.8/14

Left: -0.107+/-0.136 χ^2/NDF: 45.8/29

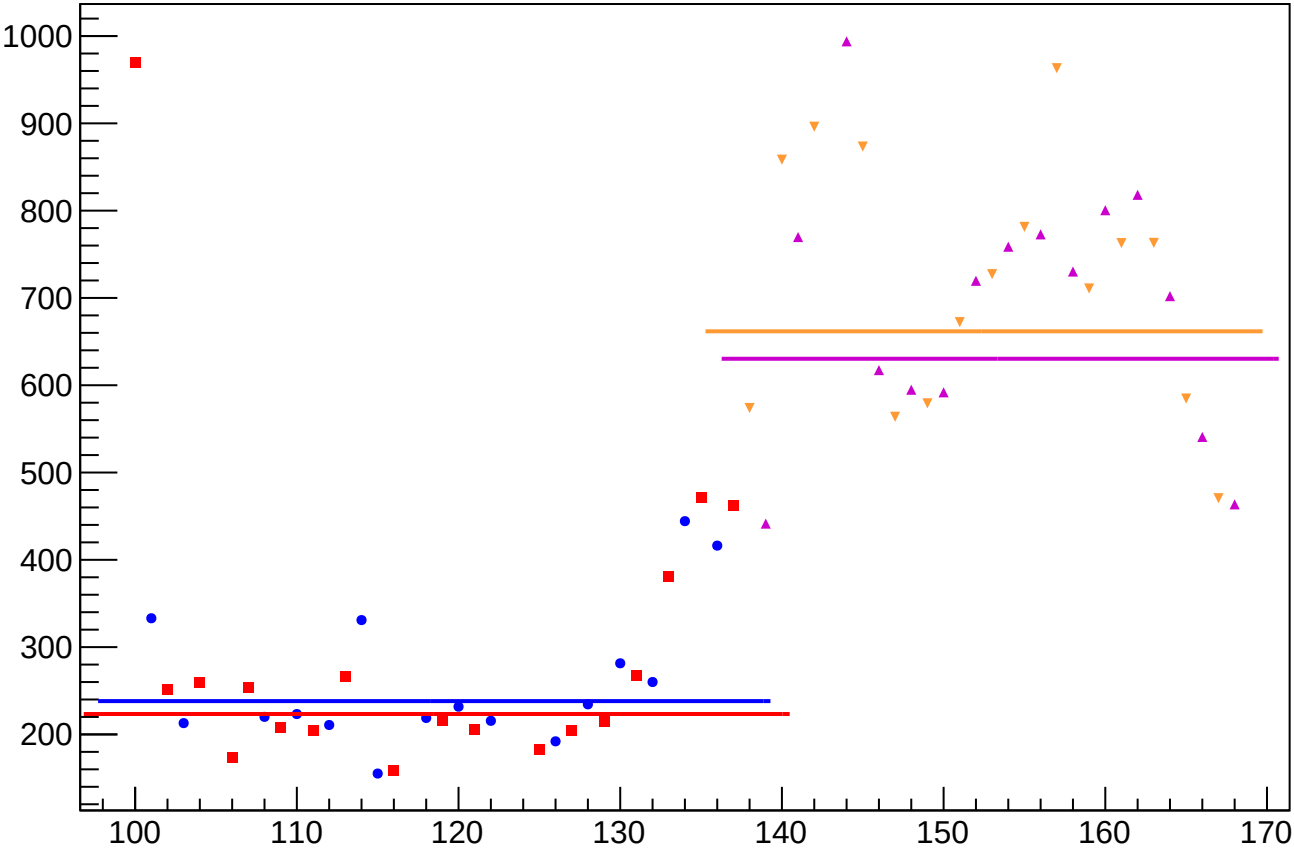
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.084 χ^2/NDF:36.3/30

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.003+/-0.059 χ^2/NDF: 86.1/63

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 630.327+/-0.132 χ^2/NDF:1168413.3/14

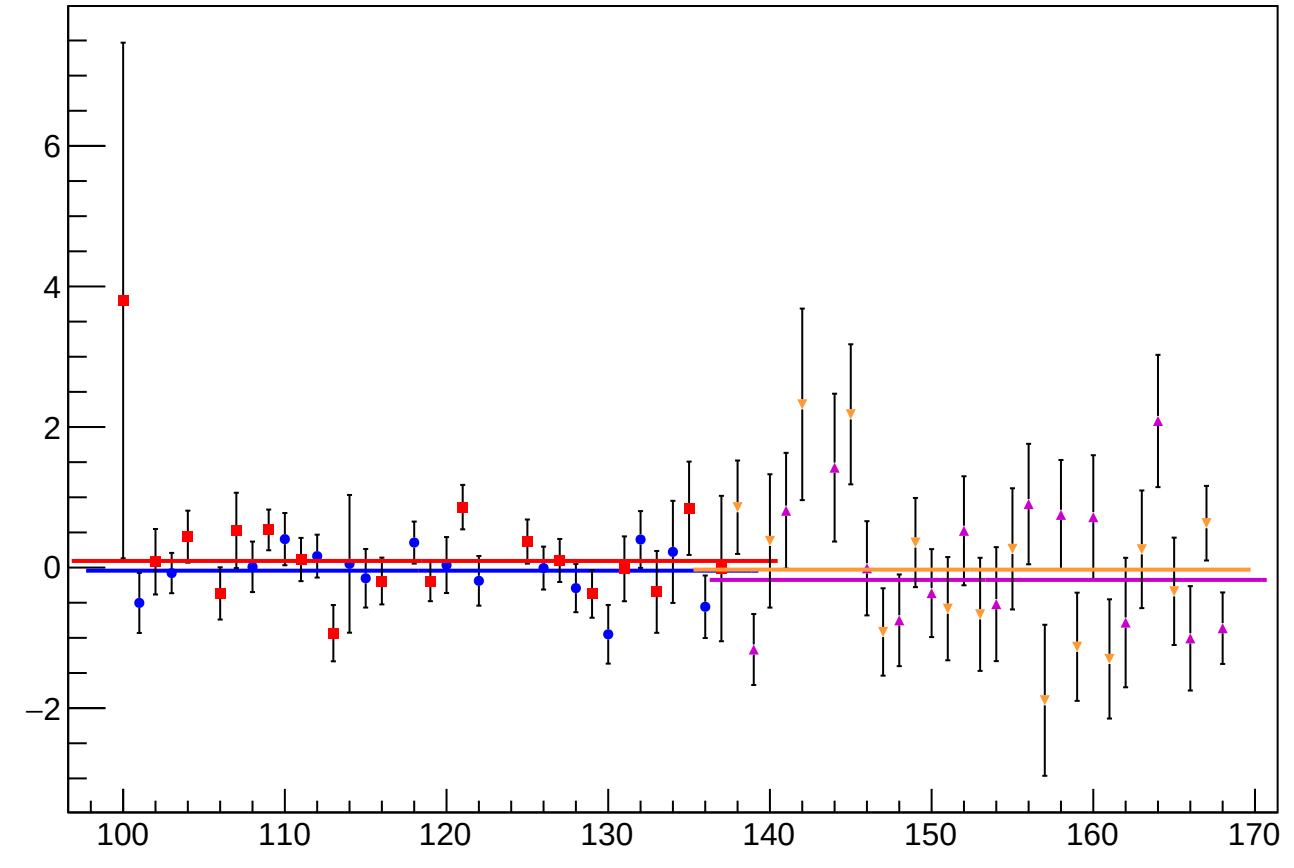
Left: 645.031+/-0.096 χ^2/NDF: 2104001.5/29

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 317.645+/-0.059 χ^2/NDF:9060886.0/30

Out: 298.166+/-0.058 χ^2/NDF:9859322.4/32

All: 307.698+/-0.041 χ^2/NDF: 18975444.6/63



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.175+/-0.186 χ^2/NDF:22.8/14

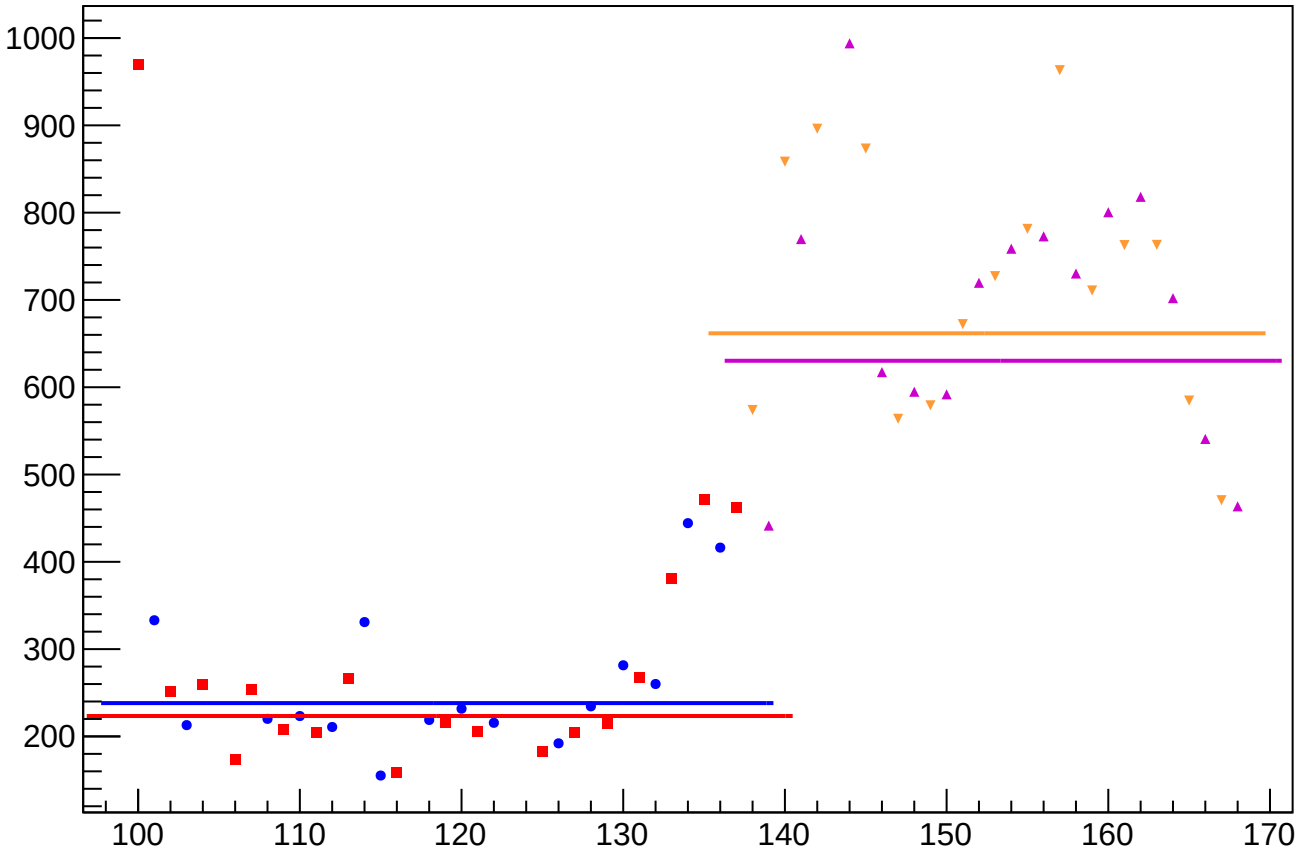
Left: -0.107+/-0.136 χ^2/NDF: 45.8/29

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.084 χ^2/NDF:36.3/30

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.003+/-0.059 χ^2/NDF: 86.1/63



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 661.776+/-0.140 χ^2/NDF:908869.6/14

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 630.327+/-0.132 χ^2/NDF:1168413.3/14

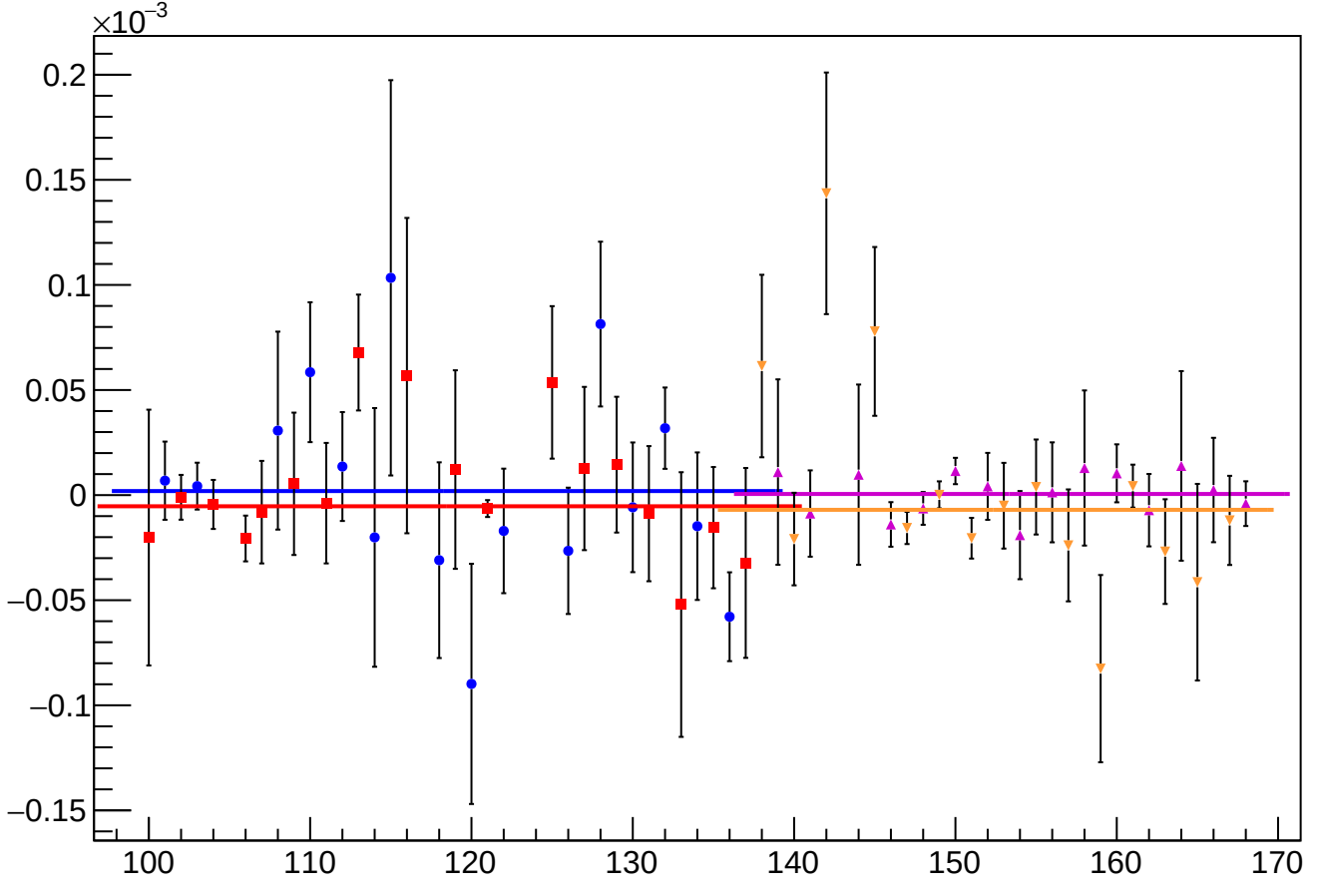
Left: 645.031+/-0.096 χ^2/NDF: 2104001.5/29

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 317.645+/-0.059 χ^2/NDF:9060886.0/30

Out: 298.166+/-0.058 χ^2/NDF:9859322.4/32

All: 307.698+/-0.041 χ^2/NDF: 18975444.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/14

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

Left In: 0.000+/-0.000 χ^2/NDF:8.0/14

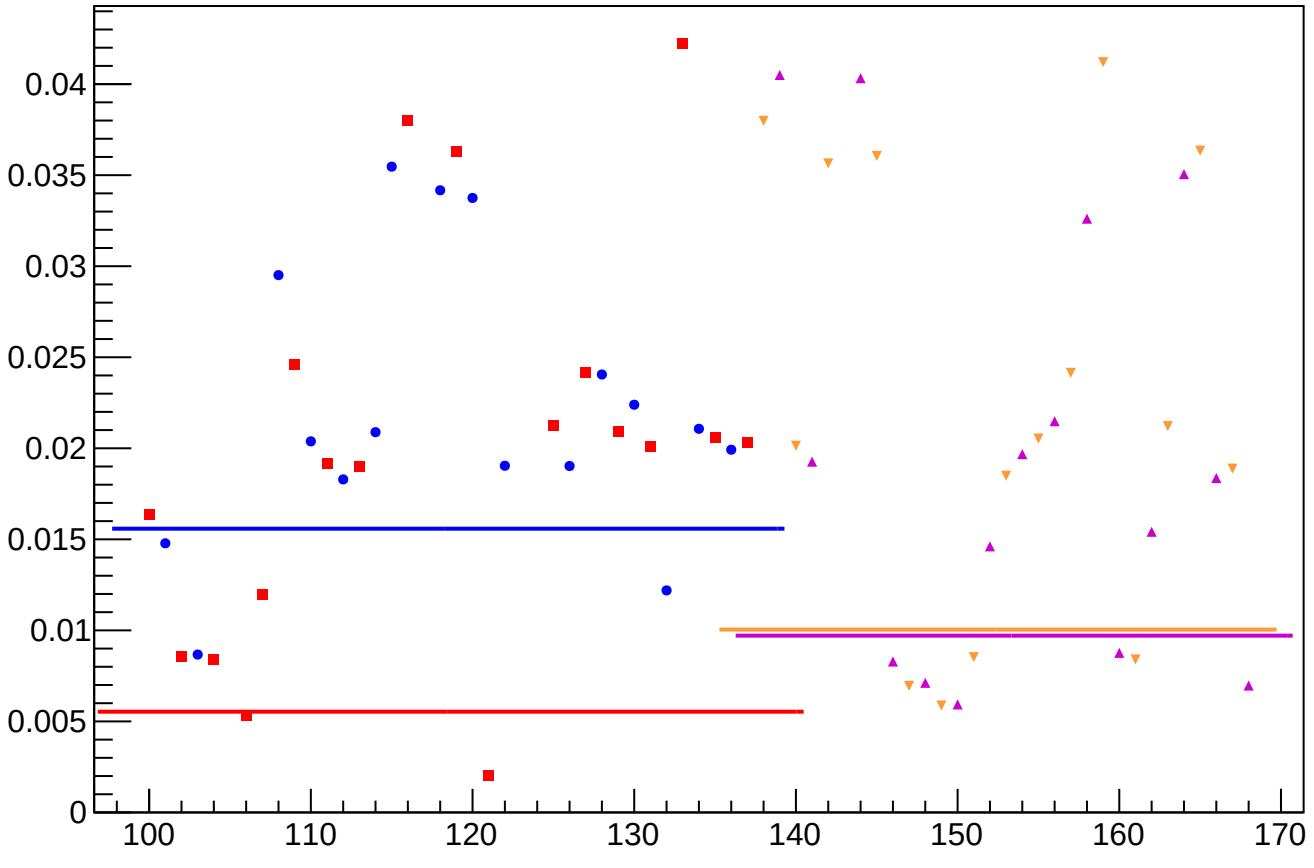
Left: -0.000+/-0.000 χ^2/NDF: 34.9/29

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:32.1/30

Out: -0.000+/-0.000 χ^2/NDF:39.3/32

All: -0.000+/-0.000 χ^2/NDF: 74.5/63



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7449561.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:6546863.6/14

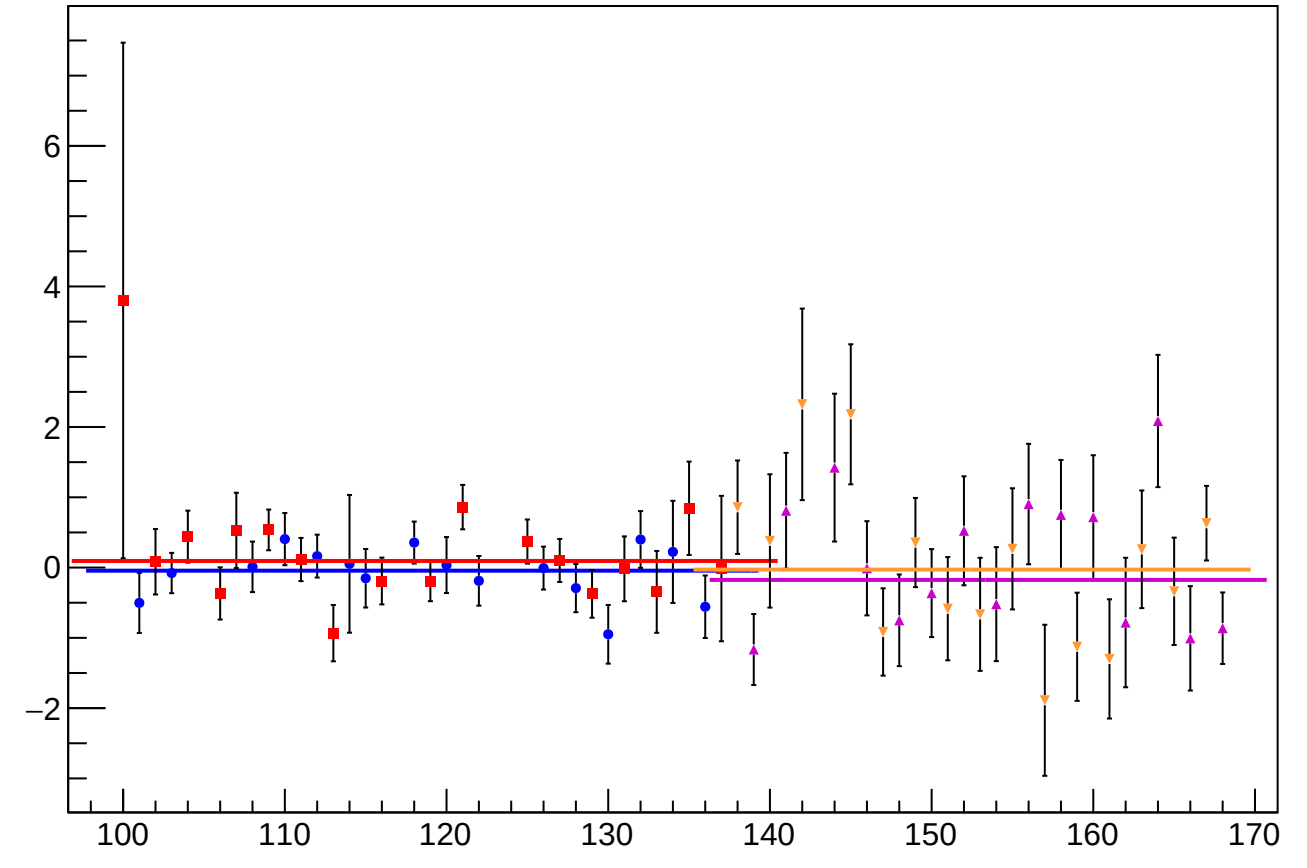
Left: 0.010+/-0.000 χ^2/NDF: 14005216.9/29

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:9929270.1/30

Out: 0.008+/-0.000 χ^2/NDF:17138449.2/32

All: 0.009+/-0.000 χ^2/NDF: 28743995.5/63



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.175+/-0.186 χ^2/NDF:22.8/14

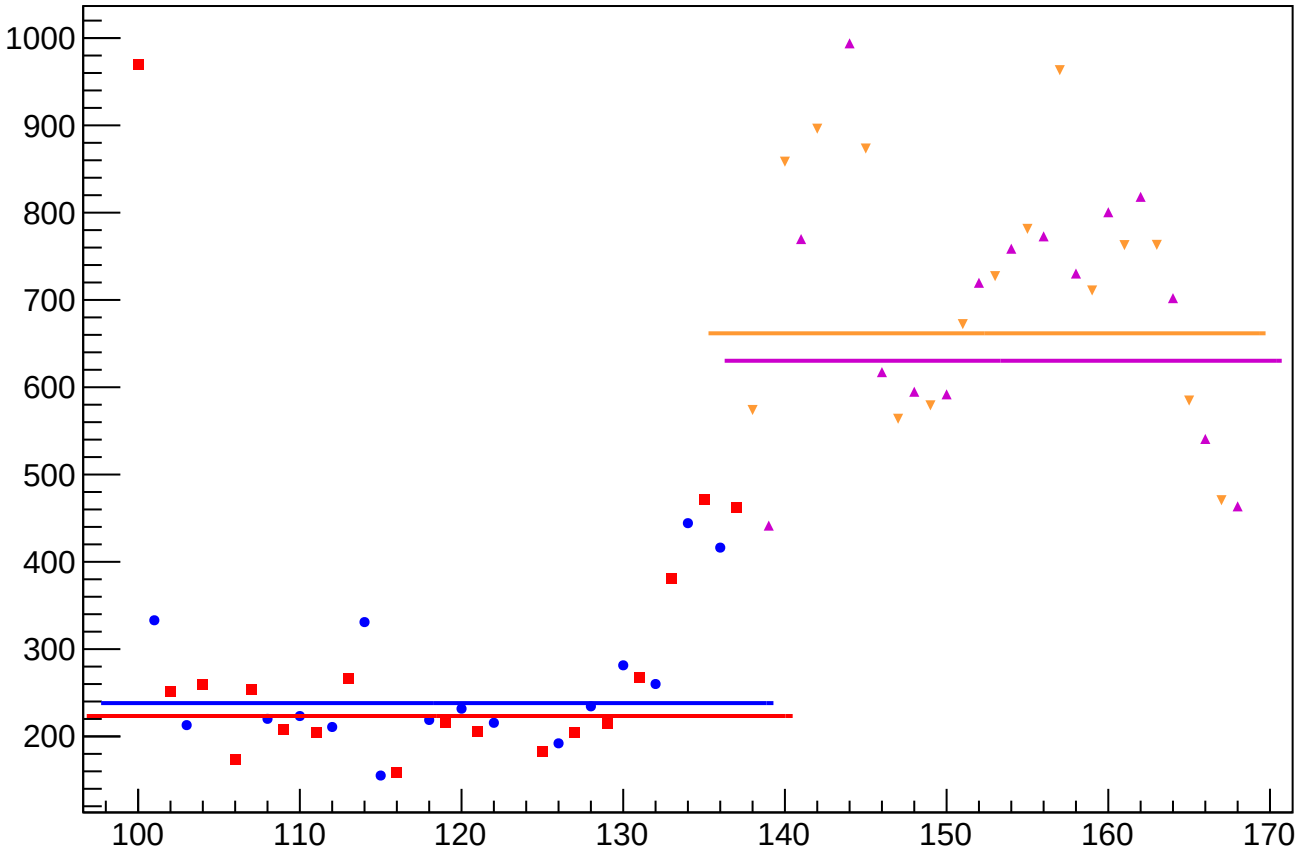
Left: -0.107+/-0.136 χ^2/NDF: 45.8/29

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.084 χ^2/NDF:36.3/30

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.003+/-0.059 χ^2/NDF: 86.1/63



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 630.337+/-0.132 χ^2/NDF:1168404.0/14

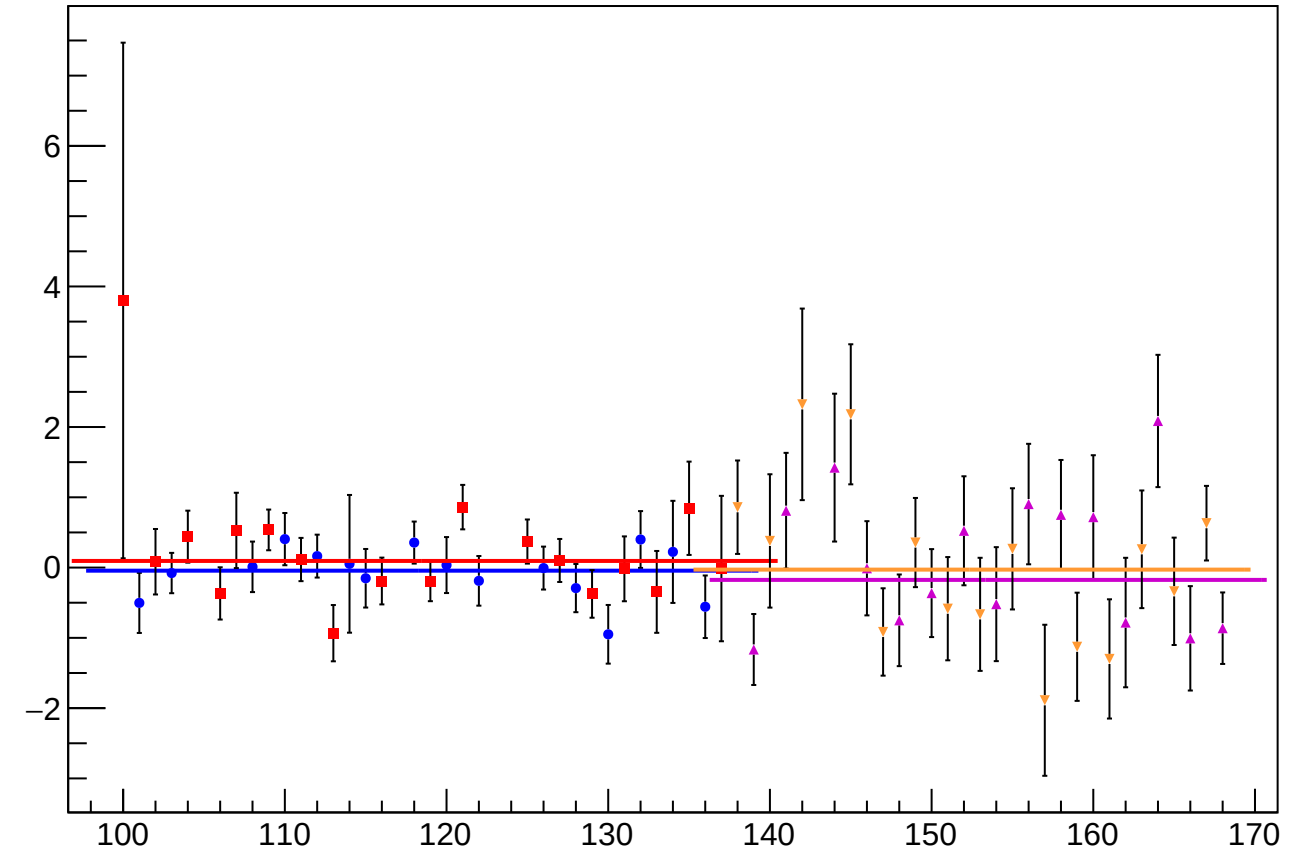
Left: 645.040+/-0.096 χ^2/NDF: 2104040.5/29

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 317.645+/-0.059 χ^2/NDF:9060987.1/30

Out: 298.167+/-0.058 χ^2/NDF:9859361.0/32

All: 307.699+/-0.041 χ^2/NDF: 18975580.2/63



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.029+/-0.199 χ^2/NDF:22.7/14

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.175+/-0.186 χ^2/NDF:22.8/14

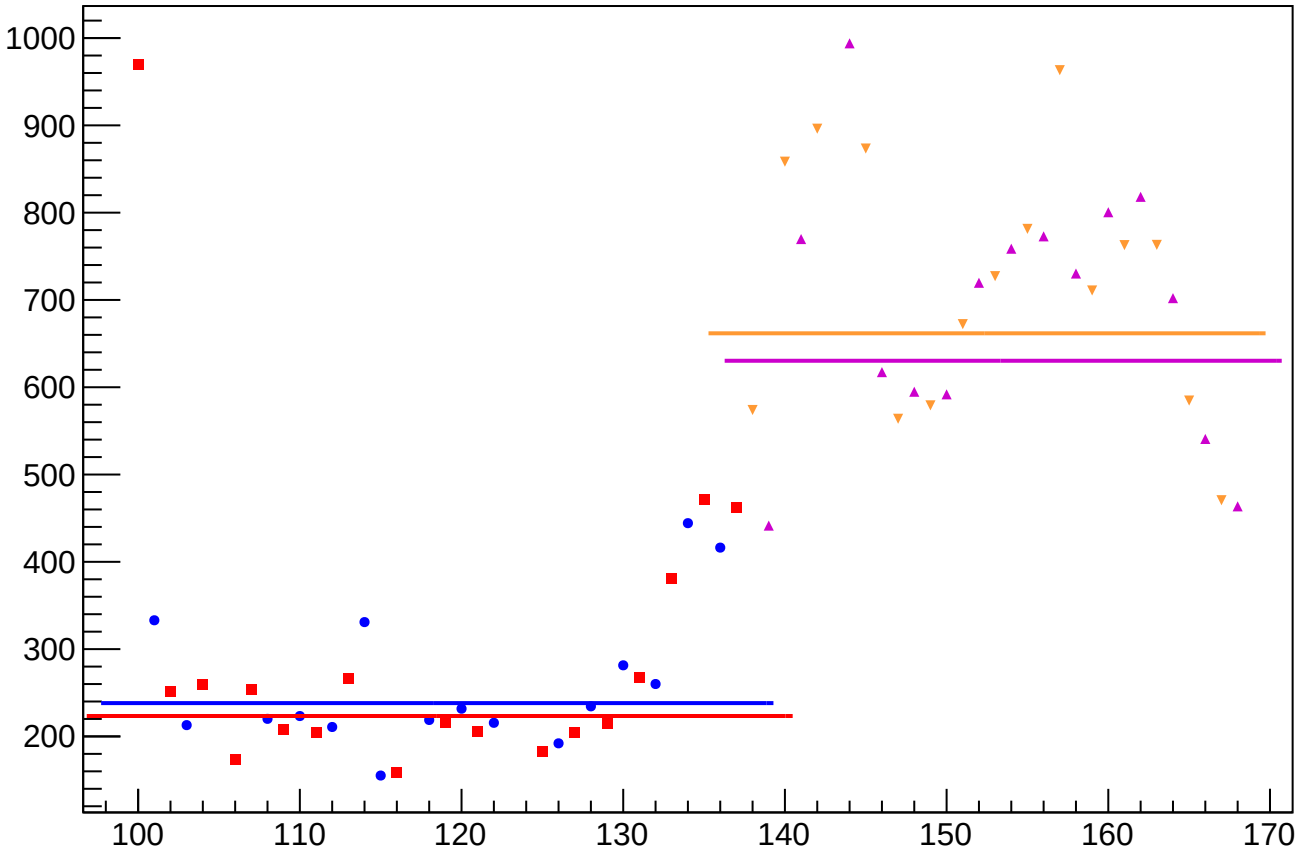
Left: -0.107+/-0.136 χ^2/NDF: 45.8/29

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.084 χ^2/NDF:36.3/30

Out: 0.073+/-0.082 χ^2/NDF:48.3/32

All: 0.003+/-0.059 χ^2/NDF: 86.1/63



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 661.783+/-0.140 χ^2/NDF:908922.3/14

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 630.337+/-0.132 χ^2/NDF:1168404.0/14

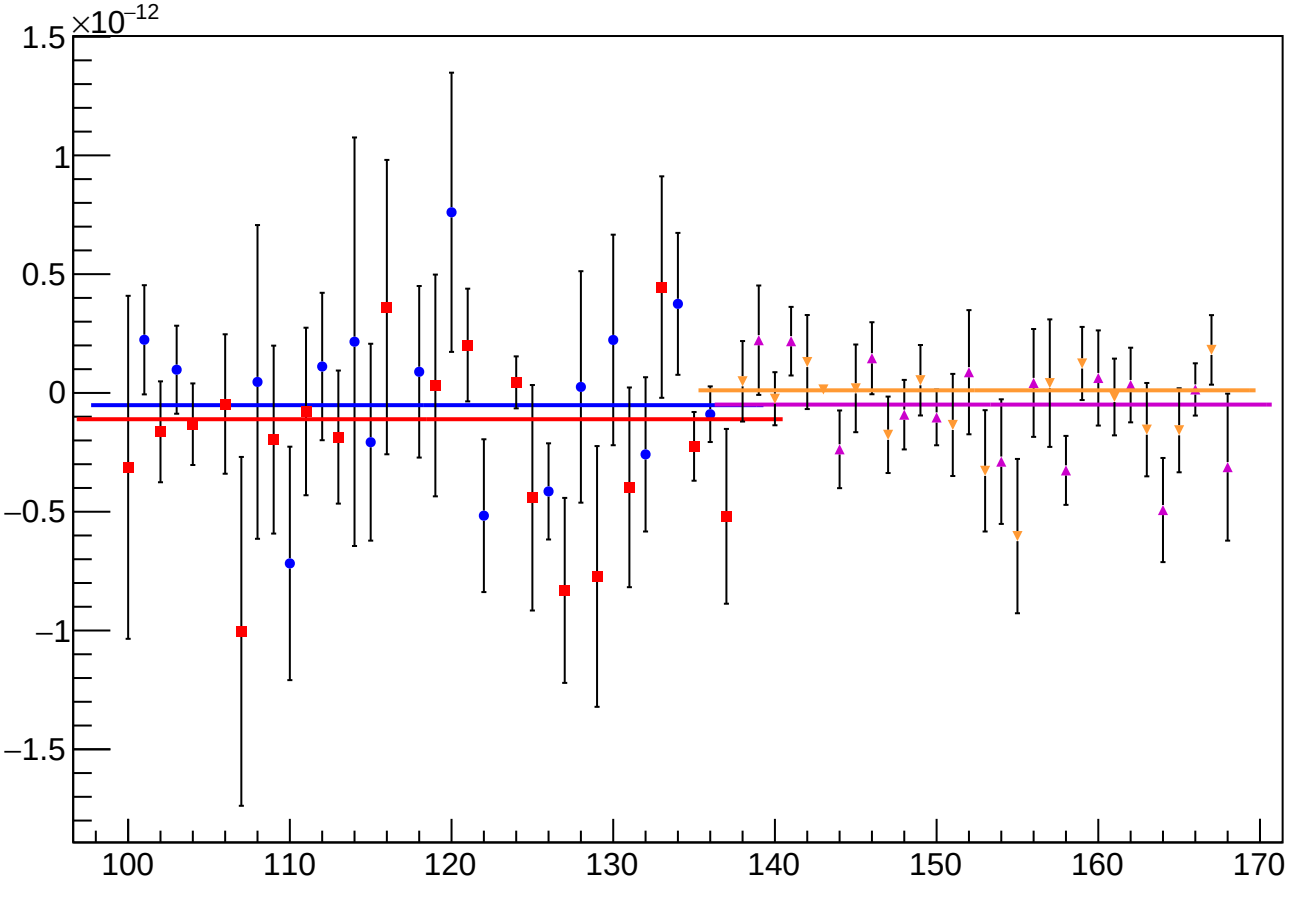
Left: 645.040+/-0.096 χ^2/NDF: 2104040.5/29

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 317.645+/-0.059 χ^2/NDF:9060987.1/30

Out: 298.167+/-0.058 χ^2/NDF:9859361.0/32

All: 307.699+/-0.041 χ^2/NDF: 18975580.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/14

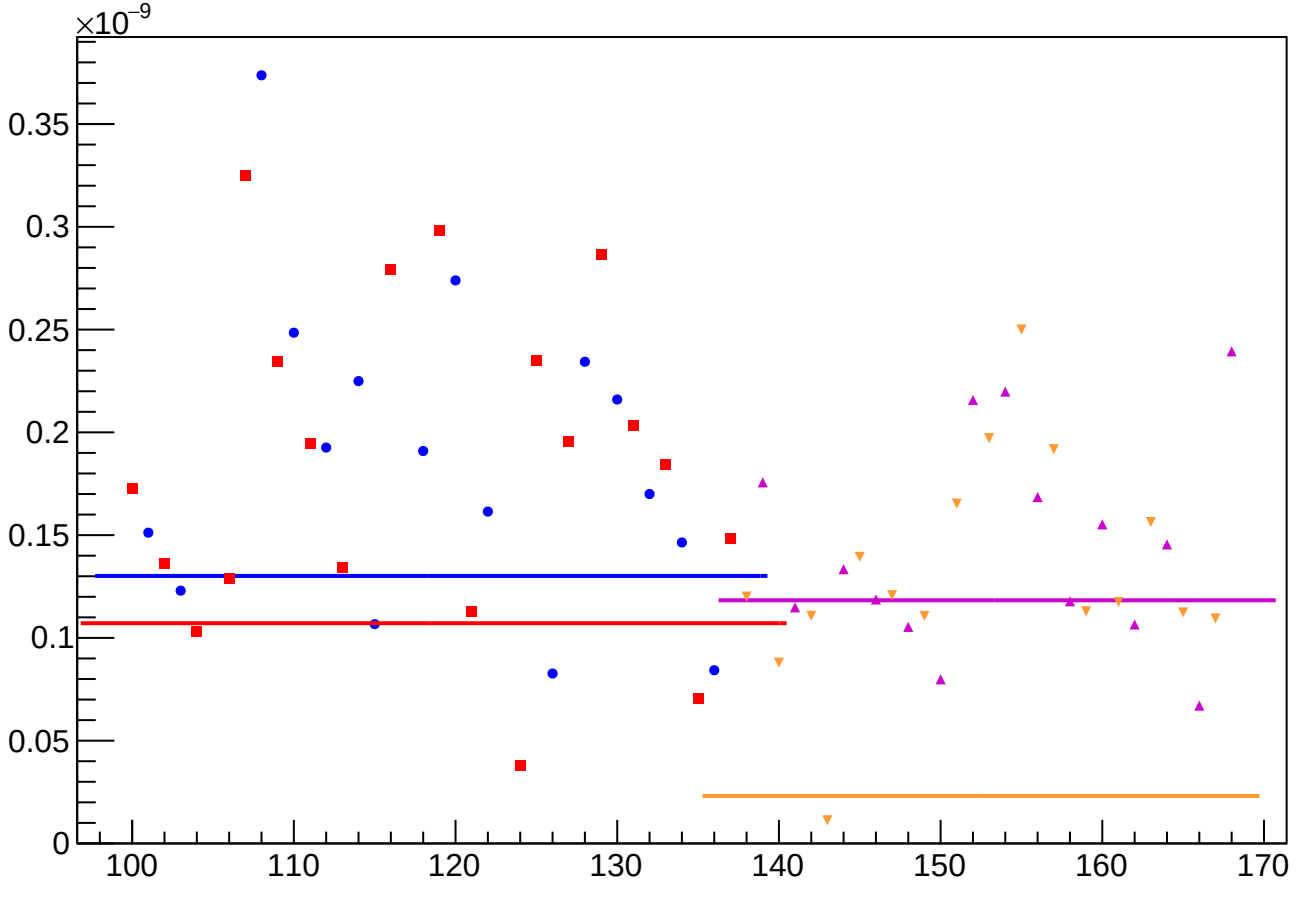
Left: 0.000+/-0.000 χ^2/NDF: 31.8/30

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:33.5/30

Out: 0.000+/-0.000 χ^2/NDF:30.7/34

All: -0.000+/-0.000 χ^2/NDF: 66.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12198113.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1899009.6/14

Left: 0.000+/-0.000 χ^2/NDF: 22911570.3/30

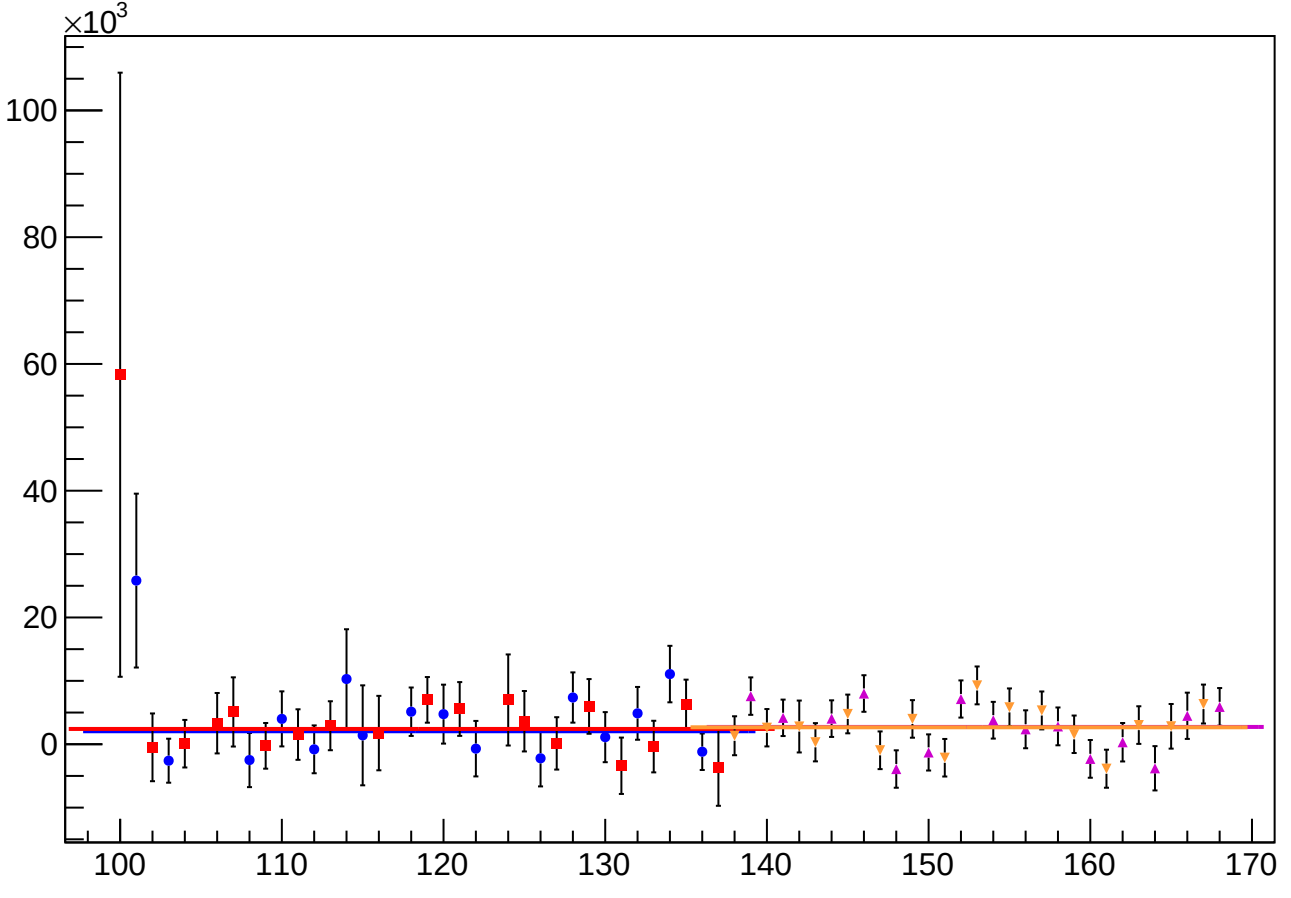
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3277203.6/30

Out: 0.000+/-0.000 χ^2/NDF:18673733.3/34

All: 0.000+/-0.000 χ^2/NDF: 33577832.8/65

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.150+/-766.899 χ^2/NDF:18.7/15

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2729.147+/-775.176 χ^2/NDF:24.3/14

Left: 2700.848+/-545.182 χ^2/NDF: 43.0/30

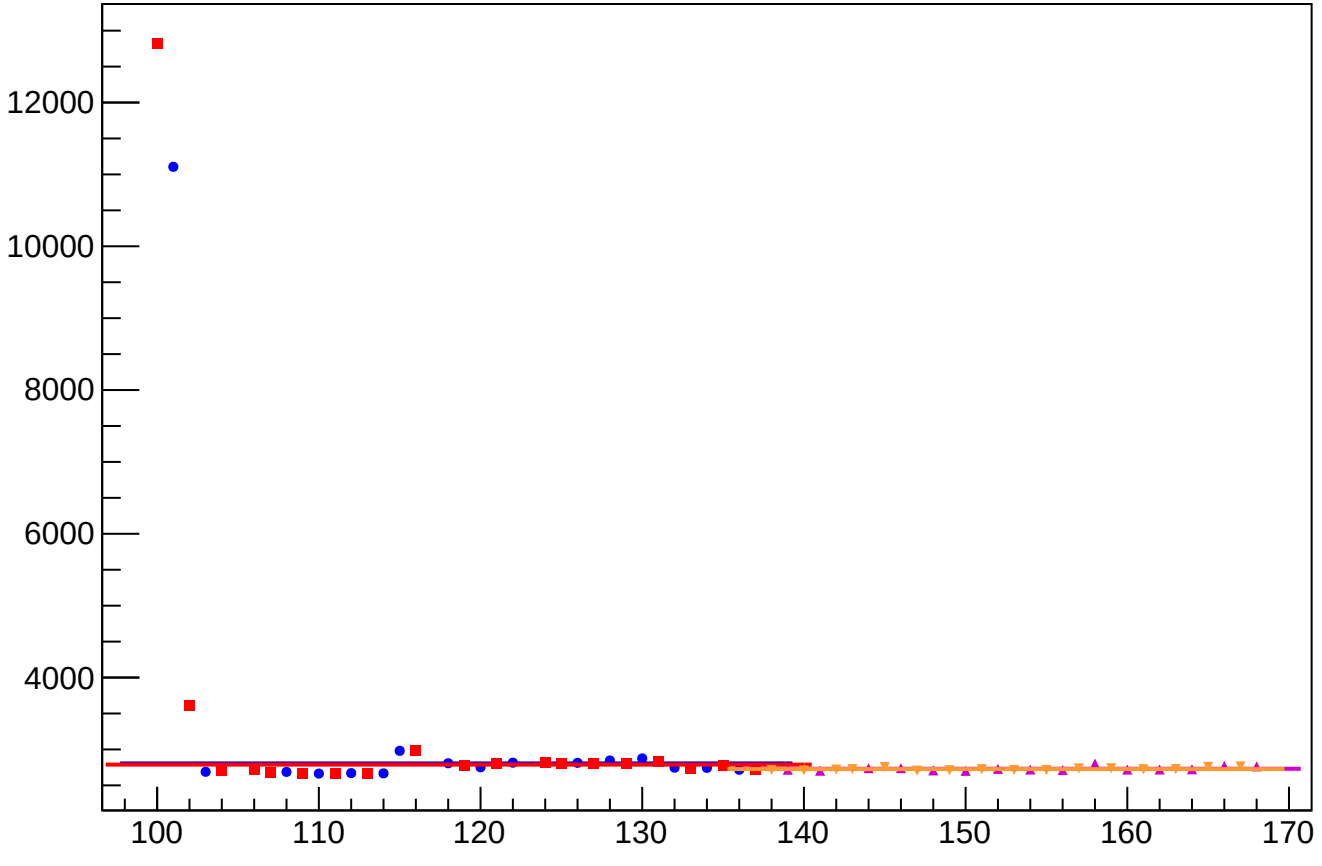
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2495.326+/-627.830 χ^2/NDF:42.4/30

Out: 2580.594+/-616.280 χ^2/NDF:29.5/34

All: 2538.751+/-439.803 χ^2/NDF: 71.9/65

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

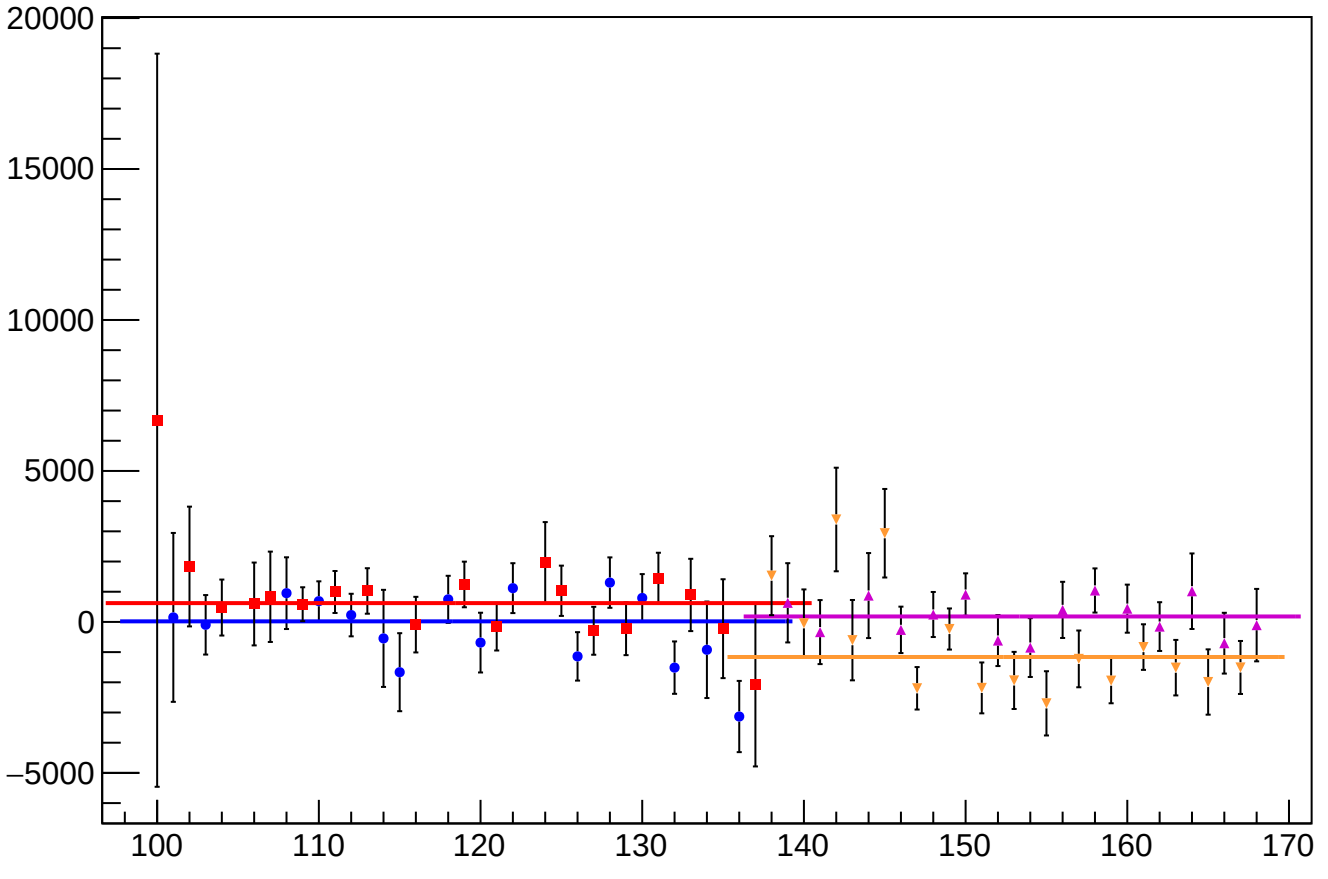
Left: 2728.713+/-0.386 χ^2/NDF: 3444.8/30

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.609+/-0.444 χ^2/NDF:754981.8/30

Out: 2748.562+/-0.436 χ^2/NDF:152696.0/34

All: 2752.511+/-0.311 χ^2/NDF: 907845.1/65



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1161.684+/-233.475 χ^2/NDF:30.7/15

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 180.699+/-233.133 χ^2/NDF:7.0/14

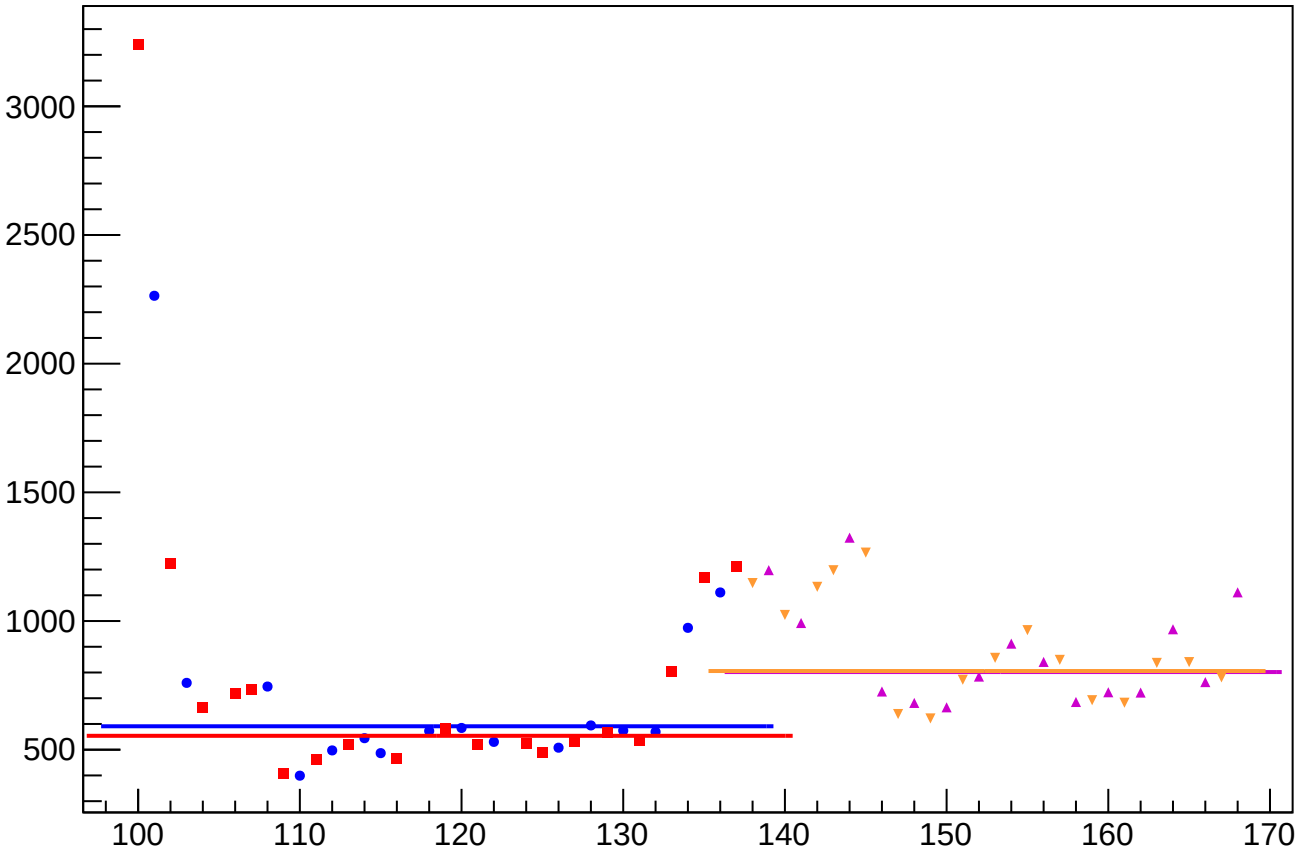
Left: -489.508+/-164.971 χ^2/NDF: 54.3/30

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 99.961+/-164.973 χ^2/NDF:30.0/30

Out: -199.789+/-158.533 χ^2/NDF:71.5/34

All: -55.879+/-114.309 χ^2/NDF: 103.2/65



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.723+/-0.165 χ^2/NDF:1077347.9/15

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 801.724+/-0.165 χ^2/NDF:960102.5/14

Left: 803.721+/-0.117 χ^2/NDF: 2037744.1/30

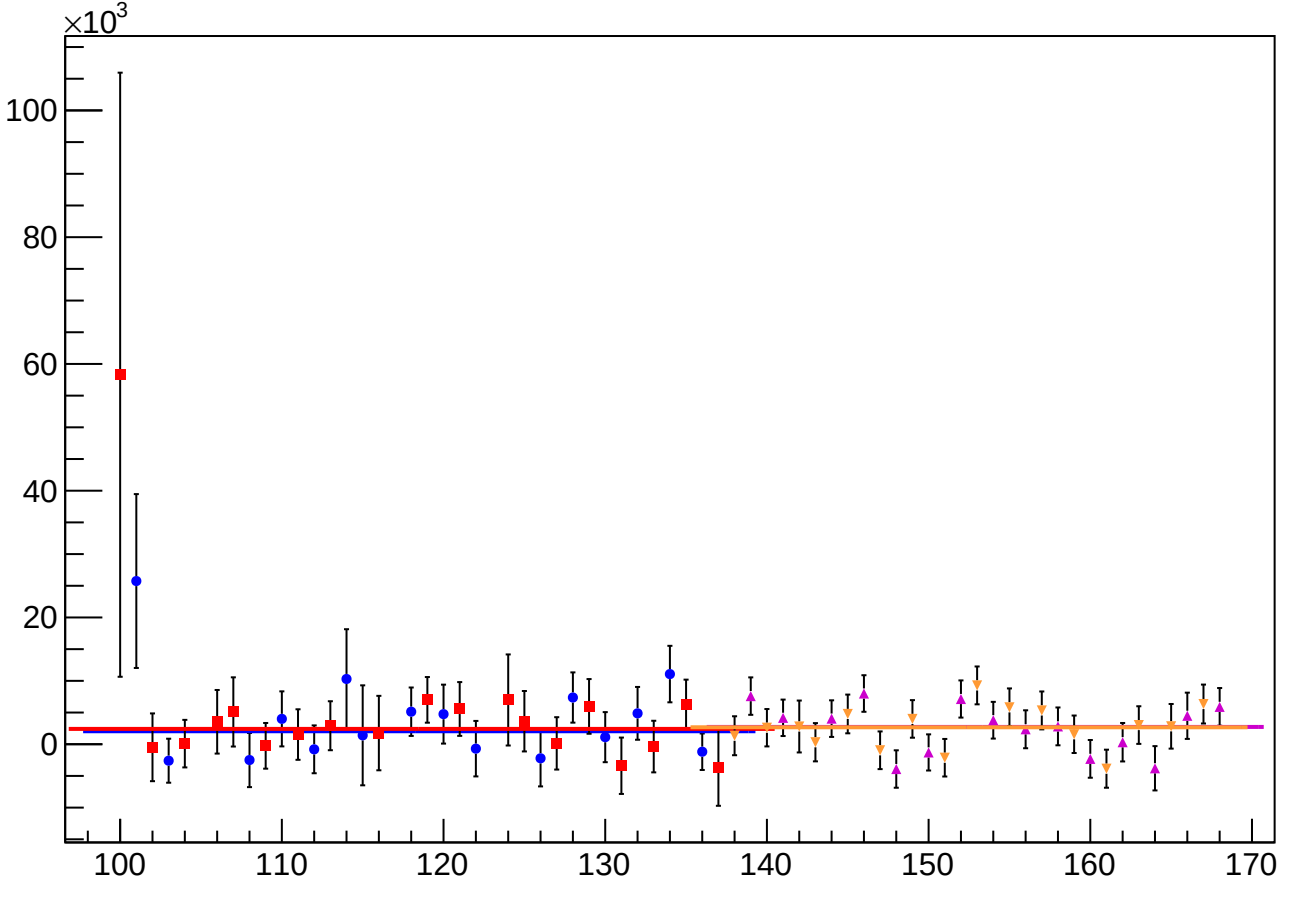
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 696.541+/-0.117 χ^2/NDF:3343224.0/30

Out: 670.050+/-0.112 χ^2/NDF:3447398.5/34

All: 682.768+/-0.081 χ^2/NDF: 6817434.2/65

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2729.213+/-775.176 χ^2/NDF:24.3/14

Left: 2700.903+/-545.182 χ^2/NDF: 43.0/30

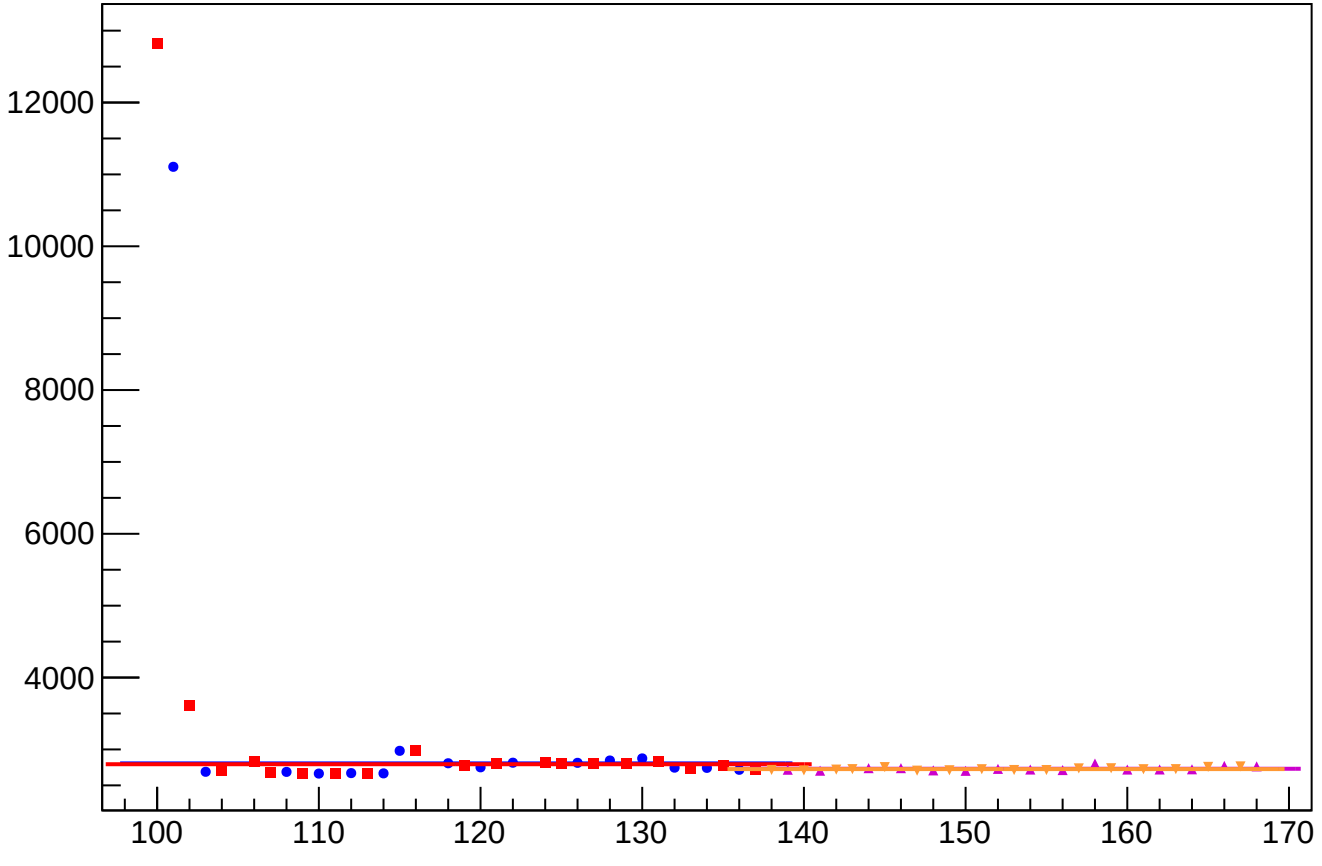
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2495.092+/-627.830 χ^2/NDF:42.4/30

Out: 2583.034+/-616.782 χ^2/NDF:29.5/34

All: 2539.844+/-439.985 χ^2/NDF: 71.9/65

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

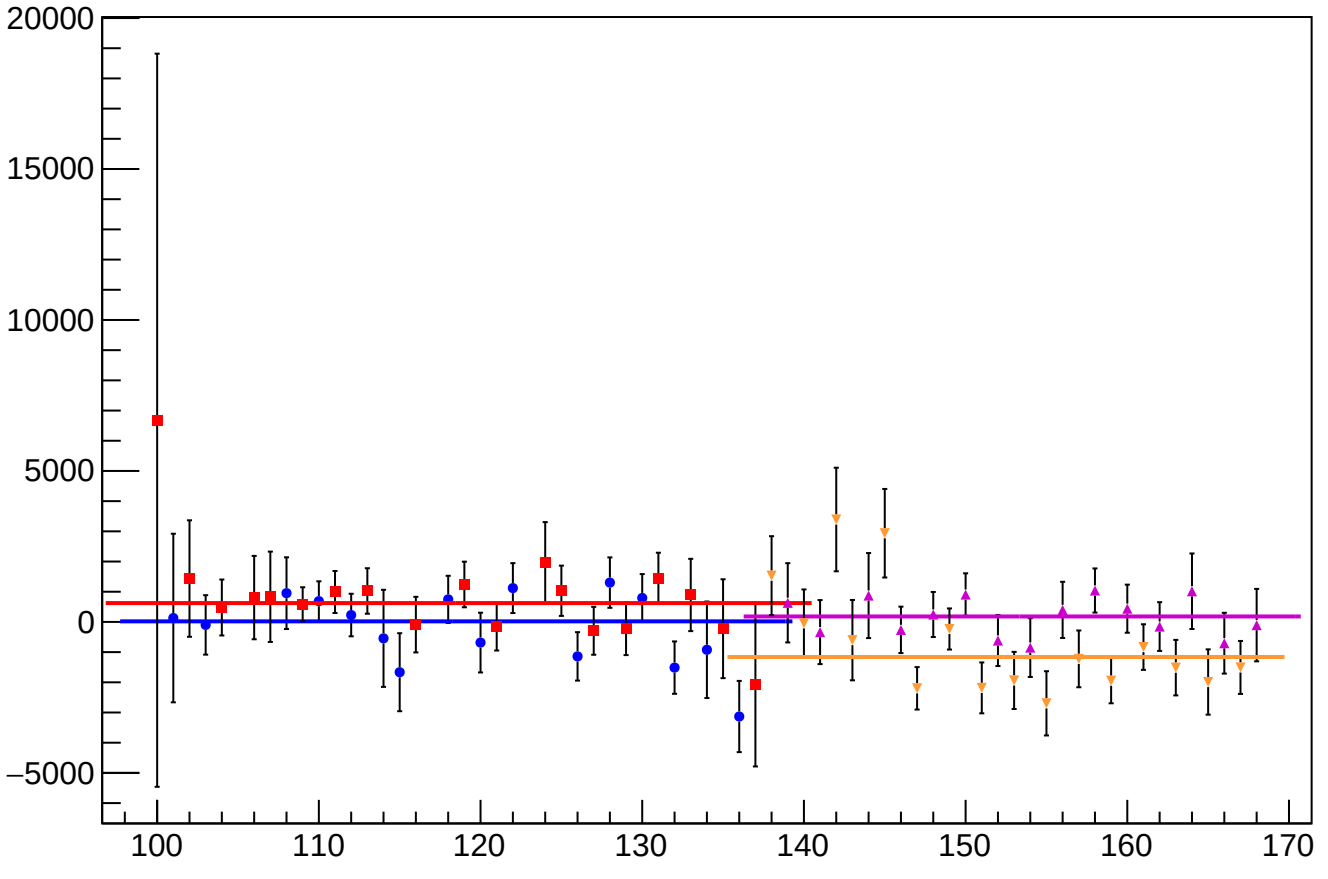
Left: 2728.713+/-0.386 χ^2/NDF: 3444.8/30

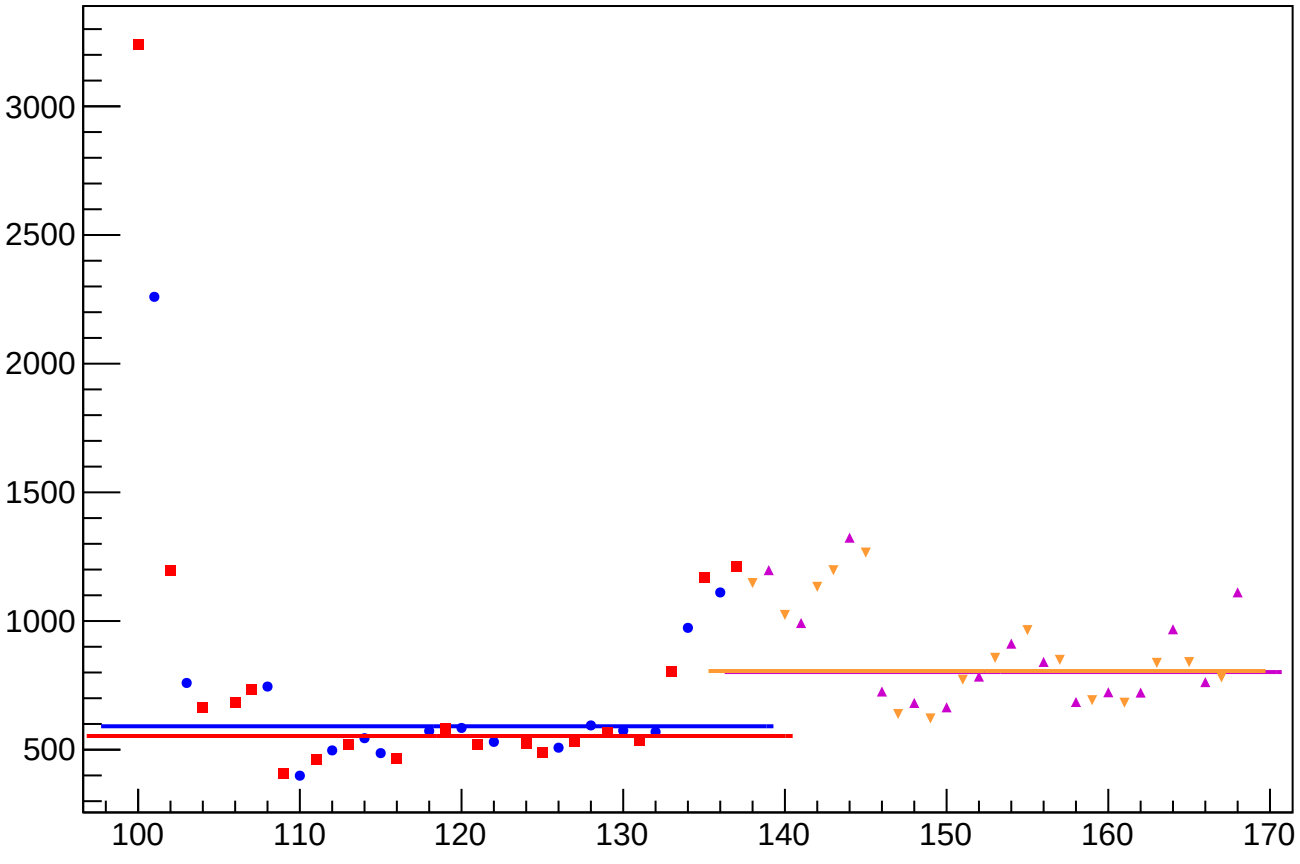
Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.609+/-0.444 χ^2/NDF:754980.9/30

Out: 2750.381+/-0.436 χ^2/NDF:153261.4/34

All: 2753.440+/-0.311 χ^2/NDF: 908342.4/65


asym_atr1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 18.940+/-233.471 χ²/NDF: 22.8/15
Left Out: -1161.536+/-233.473 χ²/NDF:30.7/15
Right Out: 624.217+/-215.902 χ²/NDF: 9.1/18
Left In: 180.765+/-233.132 χ²/NDF:7.0/14
Left: -489.403+/-164.970 χ²/NDF: 54.3/30
Right: 345.208+/-158.513 χ²/NDF: 35.5/34
In: 99.970+/-164.969 χ²/NDF:30.0/30
Out: -198.939+/-158.514 χ²/NDF:71.3/34
All: -55.447+/-114.300 χ²/NDF: 103.1/65



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 801.720+/-0.165 χ^2/NDF:960089.7/14

Left: 803.715+/-0.117 χ^2/NDF: 2037754.4/30

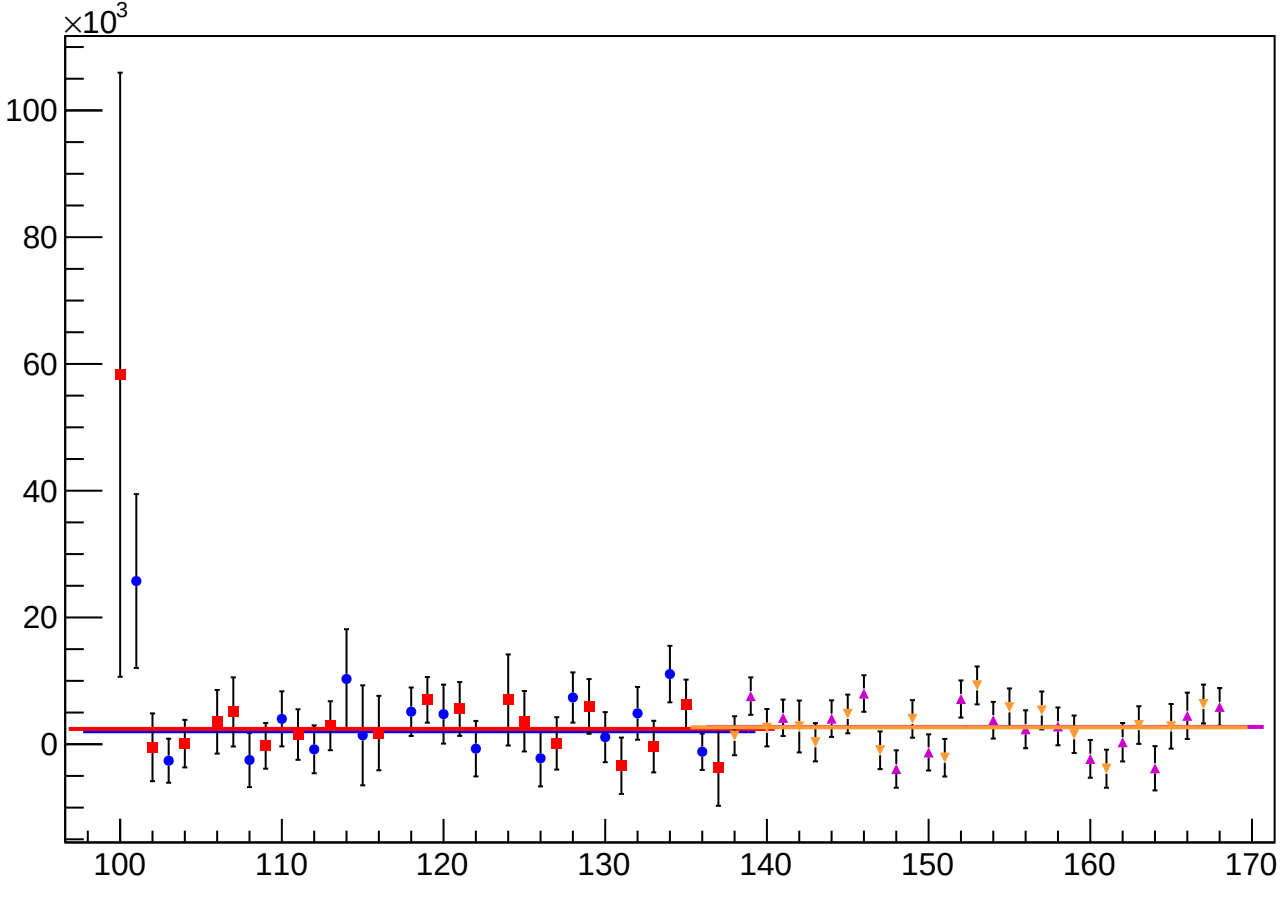
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 696.533+/-0.117 χ^2/NDF:3342206.4/30

Out: 669.616+/-0.112 χ^2/NDF:3439804.1/34

All: 682.538+/-0.081 χ^2/NDF: 6809694.5/65

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2673.194+/-766.899 χ^2/NDF:18.7/15

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2729.213+/-775.176 χ^2/NDF:24.3/14

Left: 2700.903+/-545.182 χ^2/NDF: 43.0/30

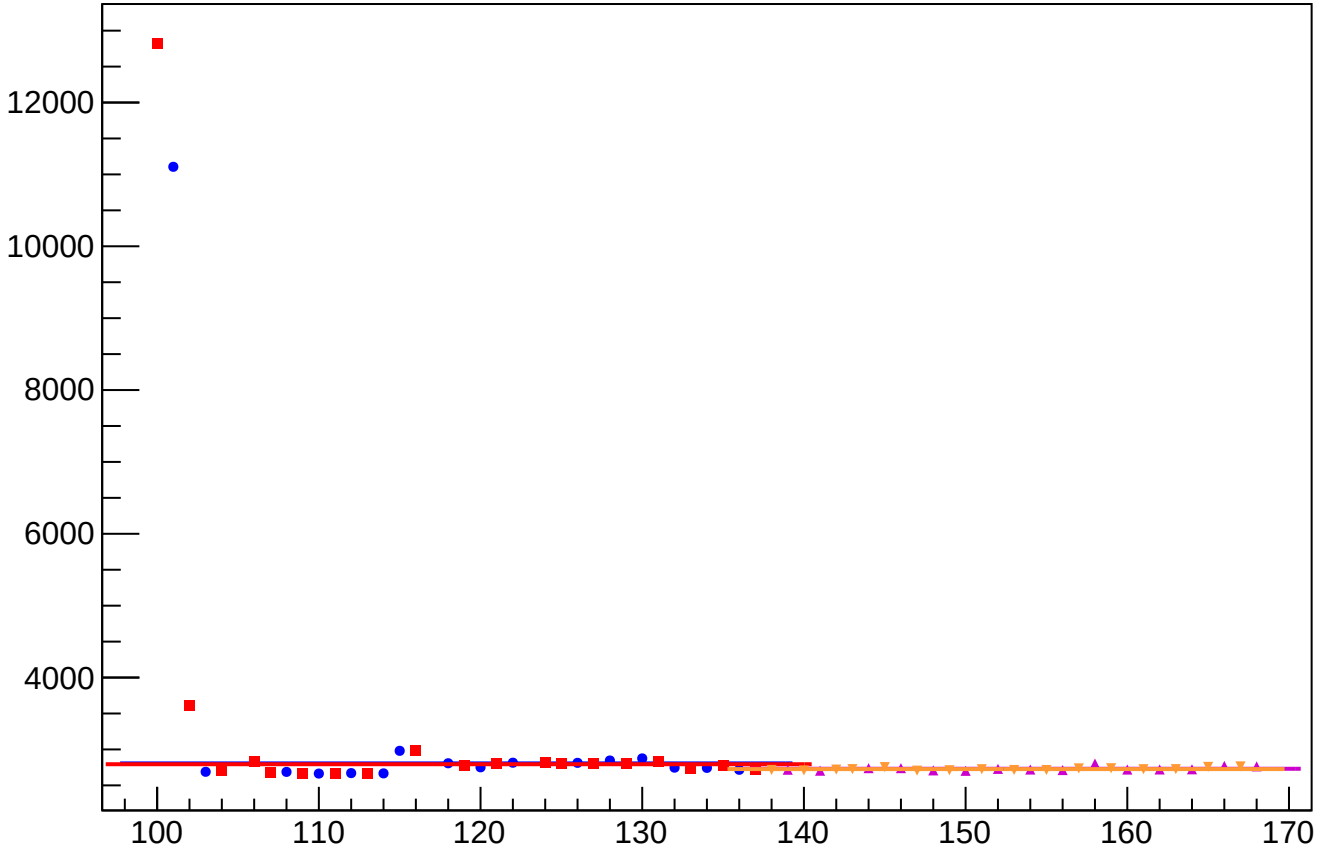
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2495.092+/-627.830 χ^2/NDF:42.4/30

Out: 2583.034+/-616.782 χ^2/NDF:29.5/34

All: 2539.844+/-439.985 χ^2/NDF: 71.9/65

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2726.479+/-0.542 χ^2/NDF:1016.1/15

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2730.996+/-0.548 χ^2/NDF:2394.4/14

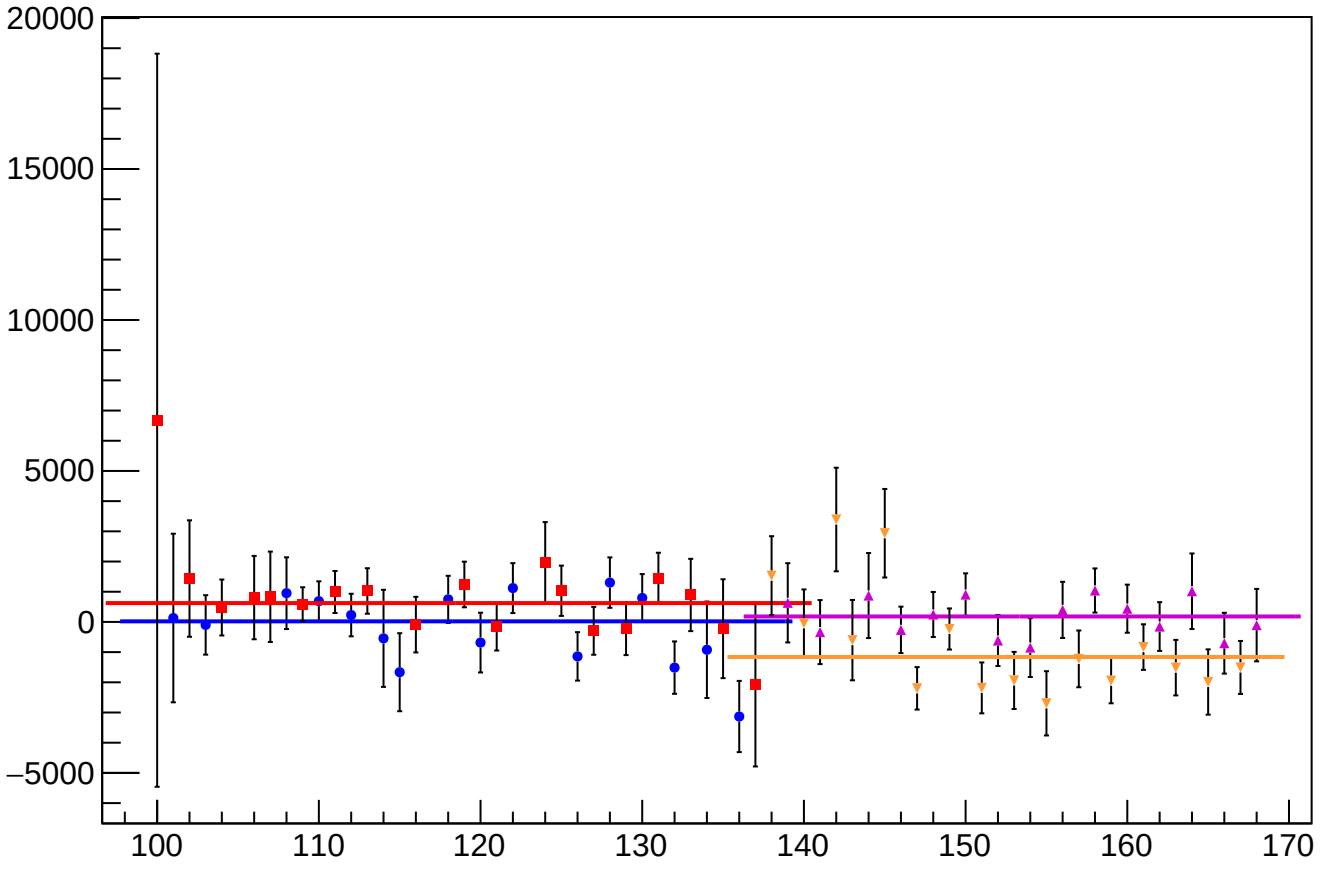
Left: 2728.713+/-0.386 χ^2/NDF: 3444.8/30

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.609+/-0.444 χ^2/NDF:754980.9/30

Out: 2750.381+/-0.436 χ^2/NDF:153261.4/34

All: 2753.440+/-0.311 χ^2/NDF: 908342.4/65



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1161.536+/-233.473 χ^2/NDF:30.7/15

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 180.765+/-233.132 χ^2/NDF:7.0/14

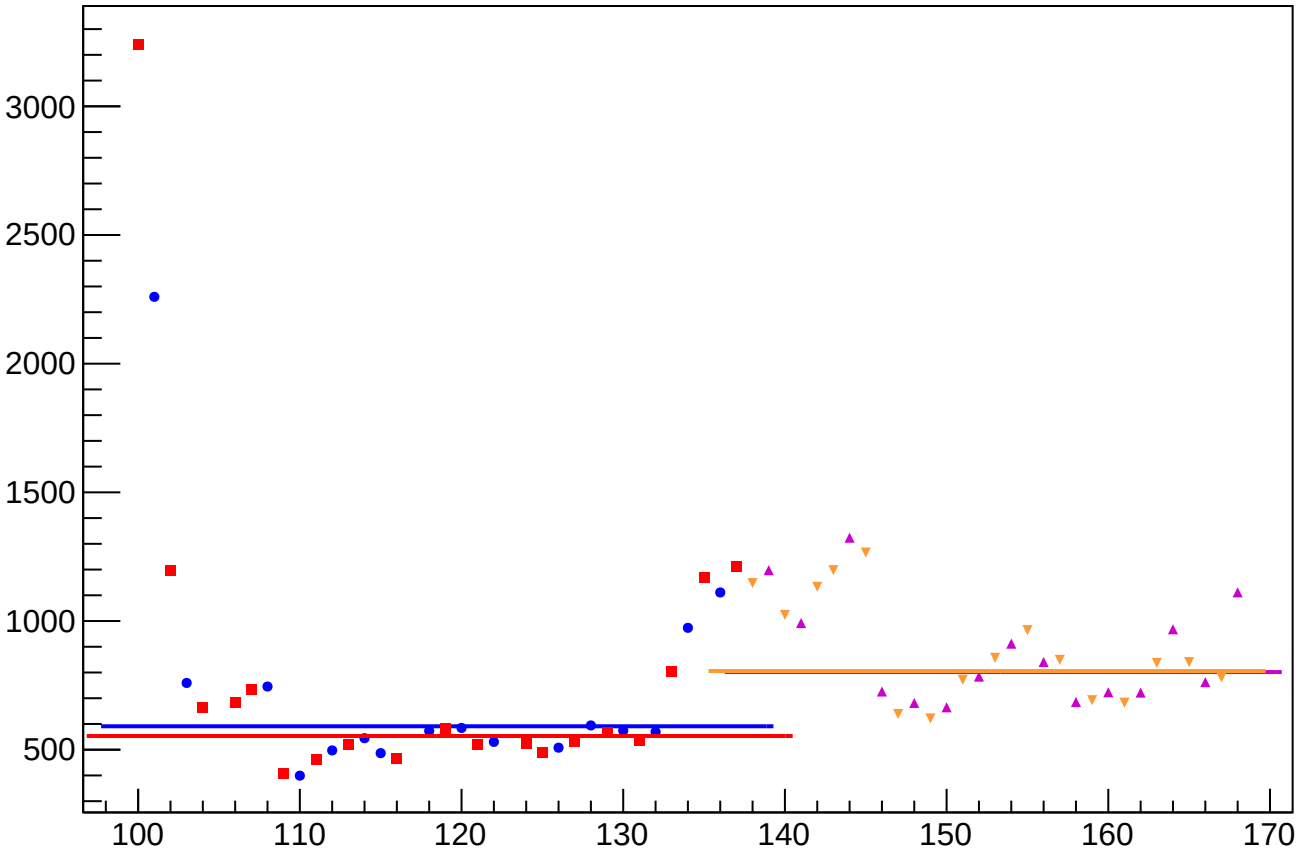
Left: -489.403+/-164.970 χ^2/NDF: 54.3/30

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 99.970+/-164.969 χ^2/NDF:30.0/30

Out: -198.939+/-158.514 χ^2/NDF:71.3/34

All: -55.447+/-114.300 χ^2/NDF: 103.1/65



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.715+/-0.165 χ^2/NDF:1077371.5/15

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 801.720+/-0.165 χ^2/NDF:960089.7/14

Left: 803.715+/-0.117 χ^2/NDF: 2037754.4/30

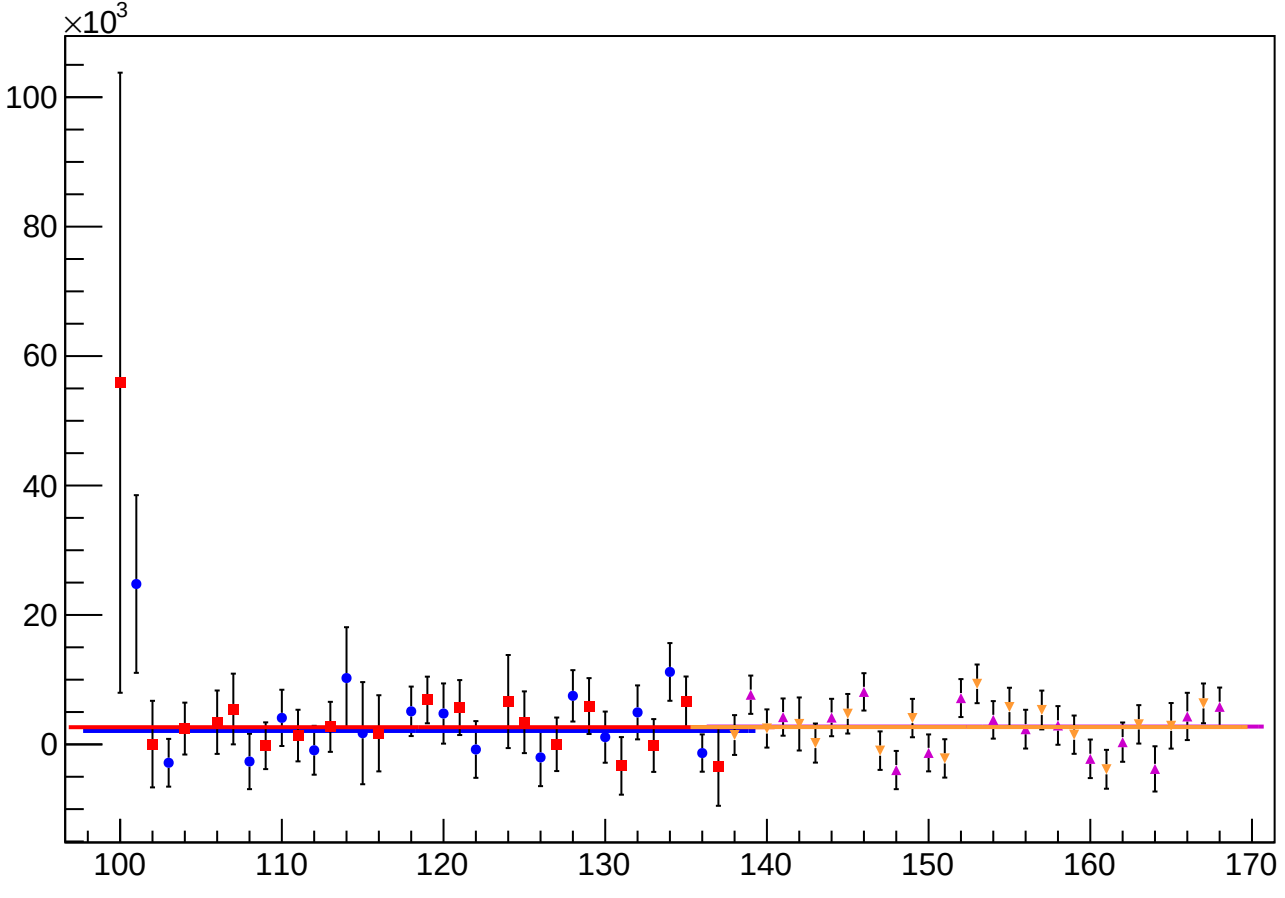
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 696.533+/-0.117 χ^2/NDF:3342206.4/30

Out: 669.616+/-0.112 χ^2/NDF:3439804.1/34

All: 682.538+/-0.081 χ^2/NDF: 6809694.5/65

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.397+/-767.449 χ^2/NDF:18.9/15

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2752.047+/-775.648 χ^2/NDF:24.5/14

Left: 2714.326+/-545.544 χ^2/NDF: 43.3/30

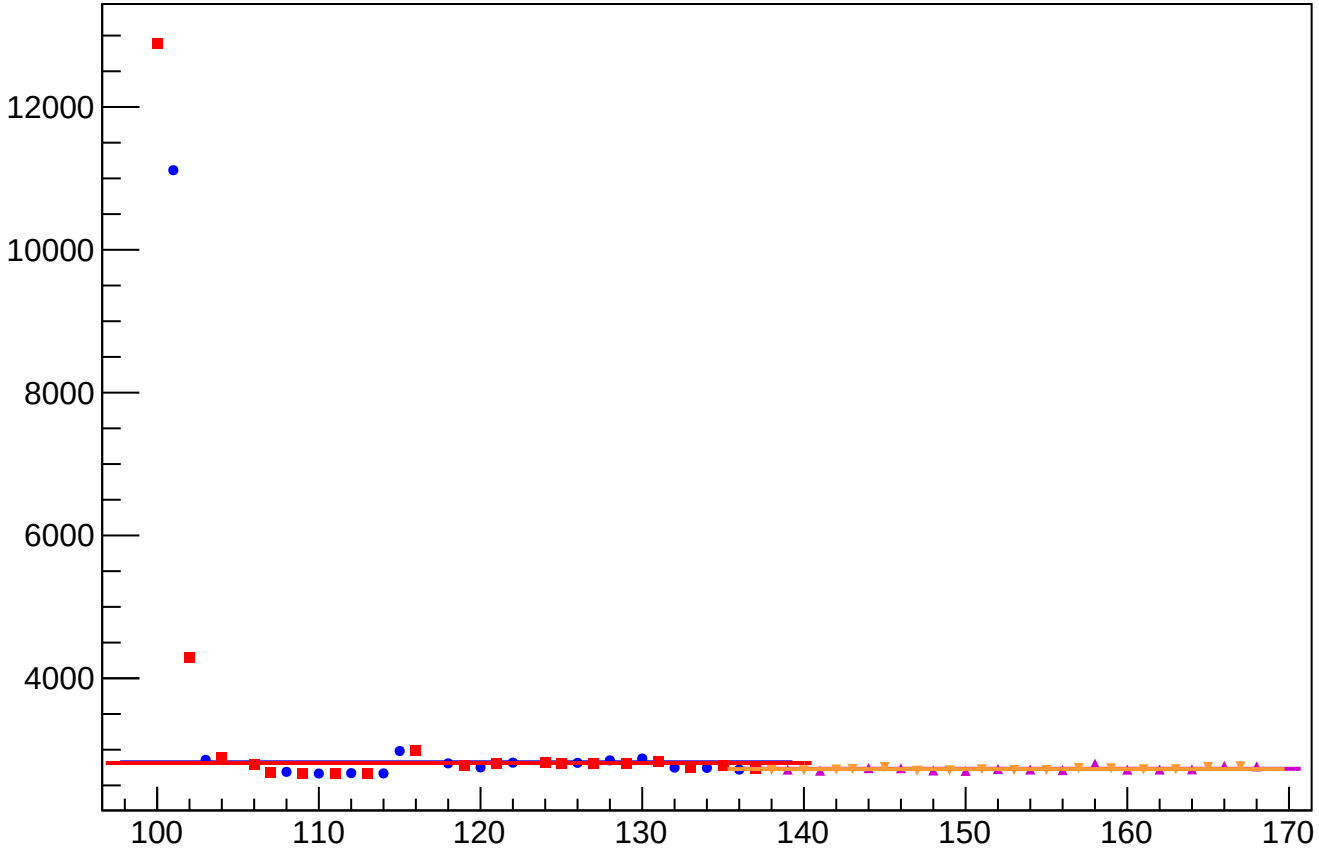
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2520.785+/-629.444 χ^2/NDF:42.6/30

Out: 2670.399+/-619.564 χ^2/NDF:28.8/34

All: 2596.775+/-441.550 χ^2/NDF: 71.4/65

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2732.652+/-0.548 χ^2/NDF:2416.2/14

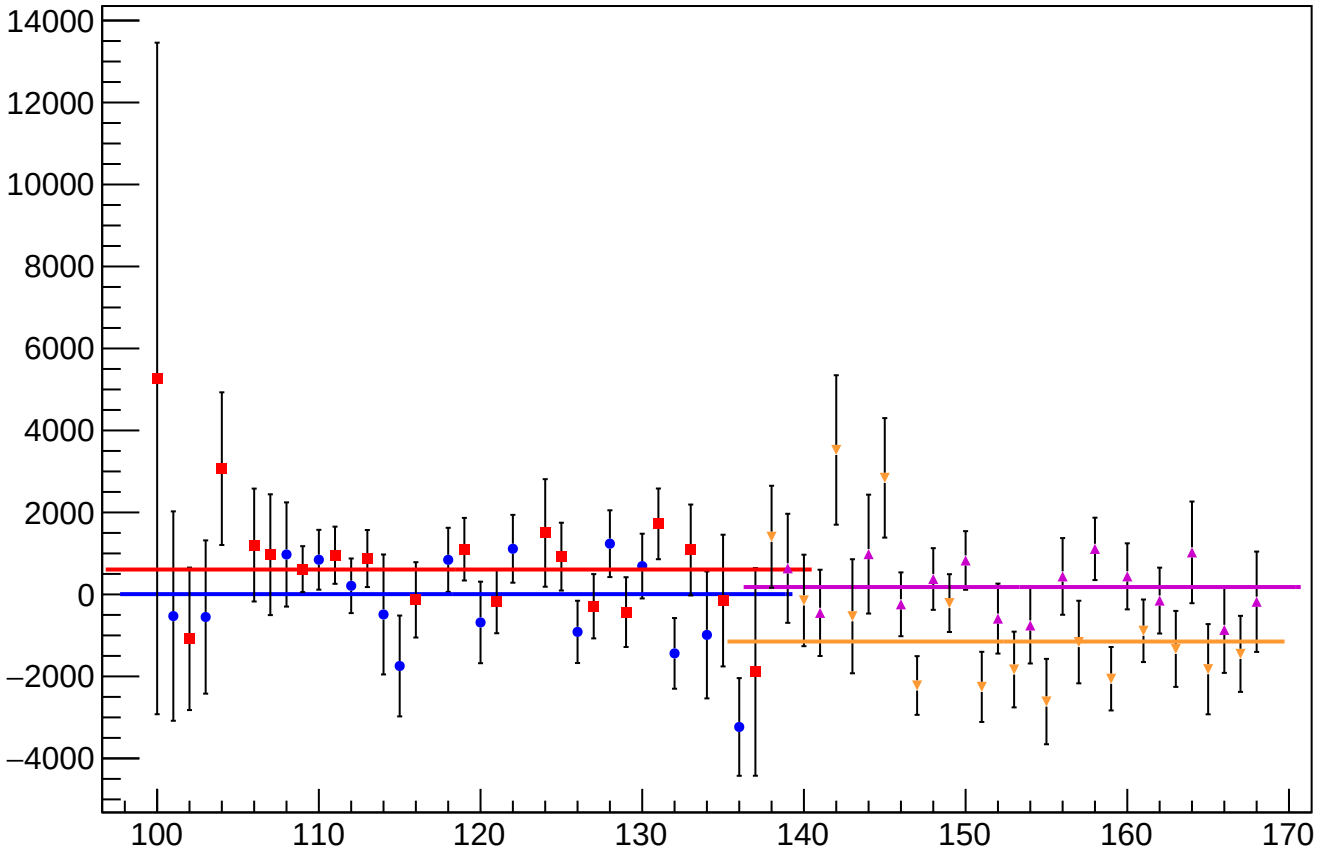
Left: 2730.515+/-0.386 χ^2/NDF: 3501.0/30

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.655+/-0.445 χ^2/NDF:755690.1/30

Out: 2758.164+/-0.438 χ^2/NDF:210191.1/34

All: 2760.866+/-0.312 χ^2/NDF: 965958.5/65



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1149.276+/-237.795 χ^2/NDF:29.5/15

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 180.366+/-235.445 χ^2/NDF:7.2/14

Left: -477.853+/-167.310 χ^2/NDF: 52.5/30

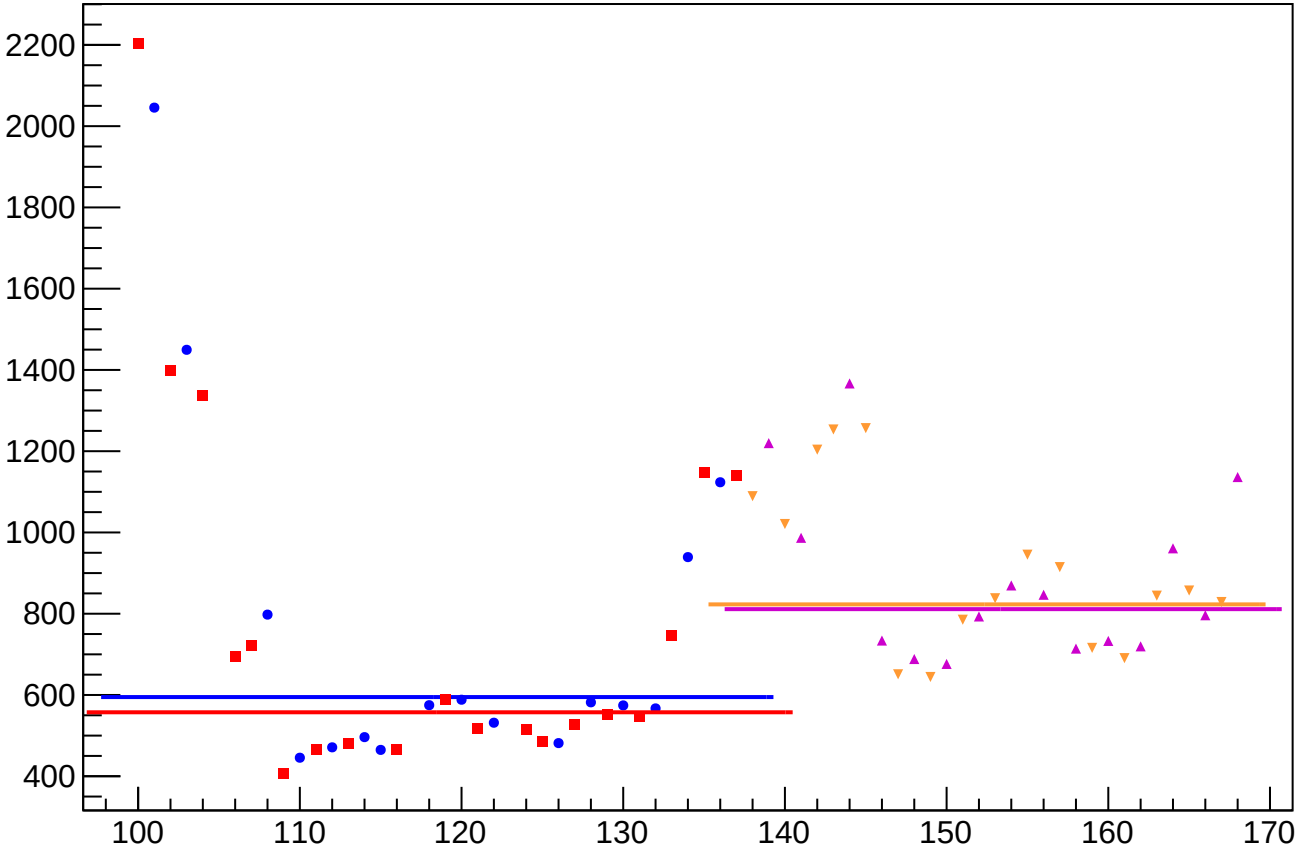
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 94.444+/-167.191 χ^2/NDF:30.3/30

Out: -191.023+/-160.328 χ^2/NDF:71.4/34

All: -54.269+/-115.719 χ^2/NDF: 103.2/65

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.974+/-0.168 χ^2/NDF:1004394.6/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 811.256+/-0.166 χ^2/NDF:941843.1/14

Left: 817.057+/-0.118 χ^2/NDF: 1948690.2/30

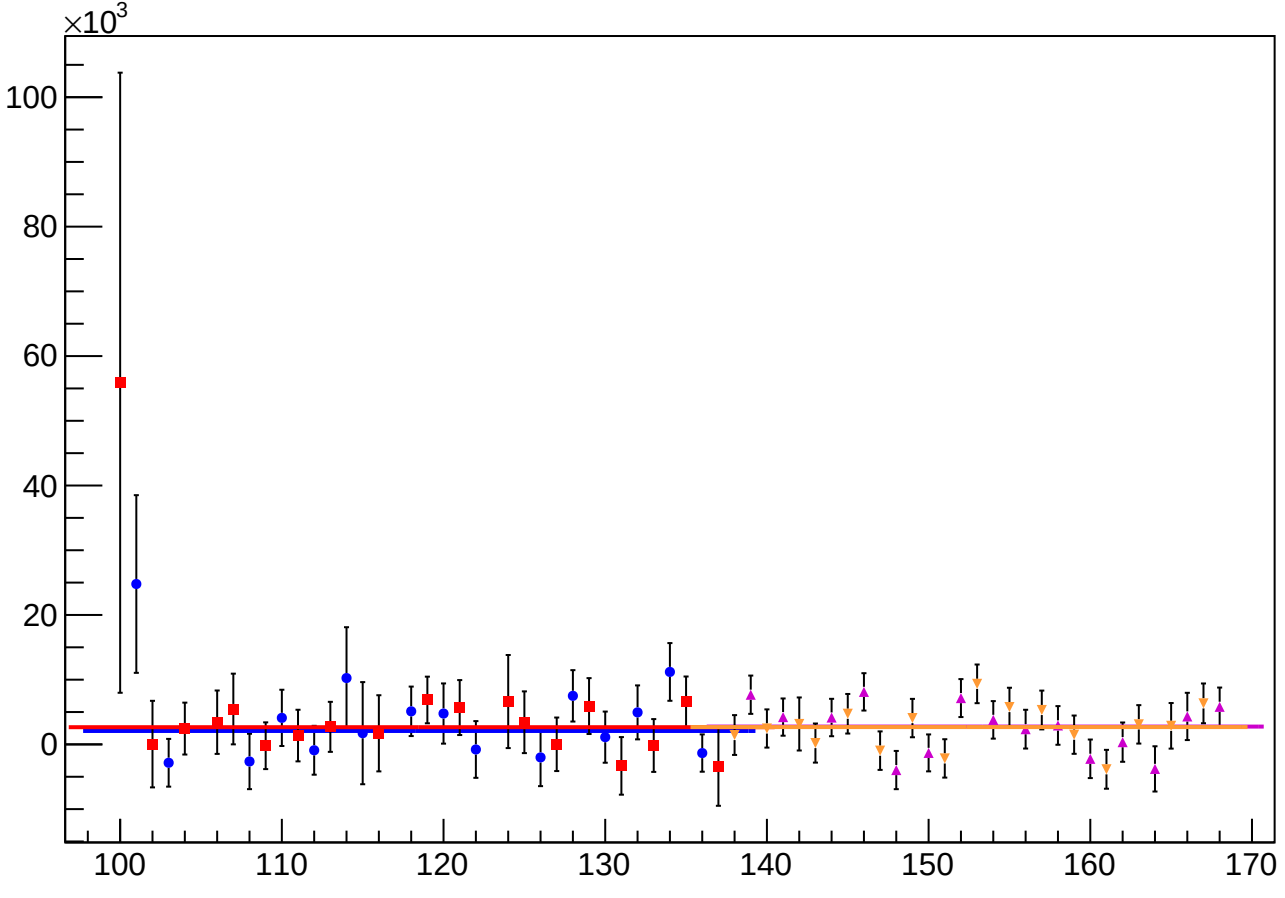
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 703.977+/-0.118 χ^2/NDF:3632071.1/30

Out: 678.124+/-0.113 χ^2/NDF:3996314.0/34

All: 690.509+/-0.082 χ^2/NDF: 7653296.4/65

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2677.398+/-767.449 χ^2/NDF:18.9/15

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2752.047+/-775.648 χ^2/NDF:24.5/14

Left: 2714.326+/-545.544 χ^2/NDF: 43.3/30

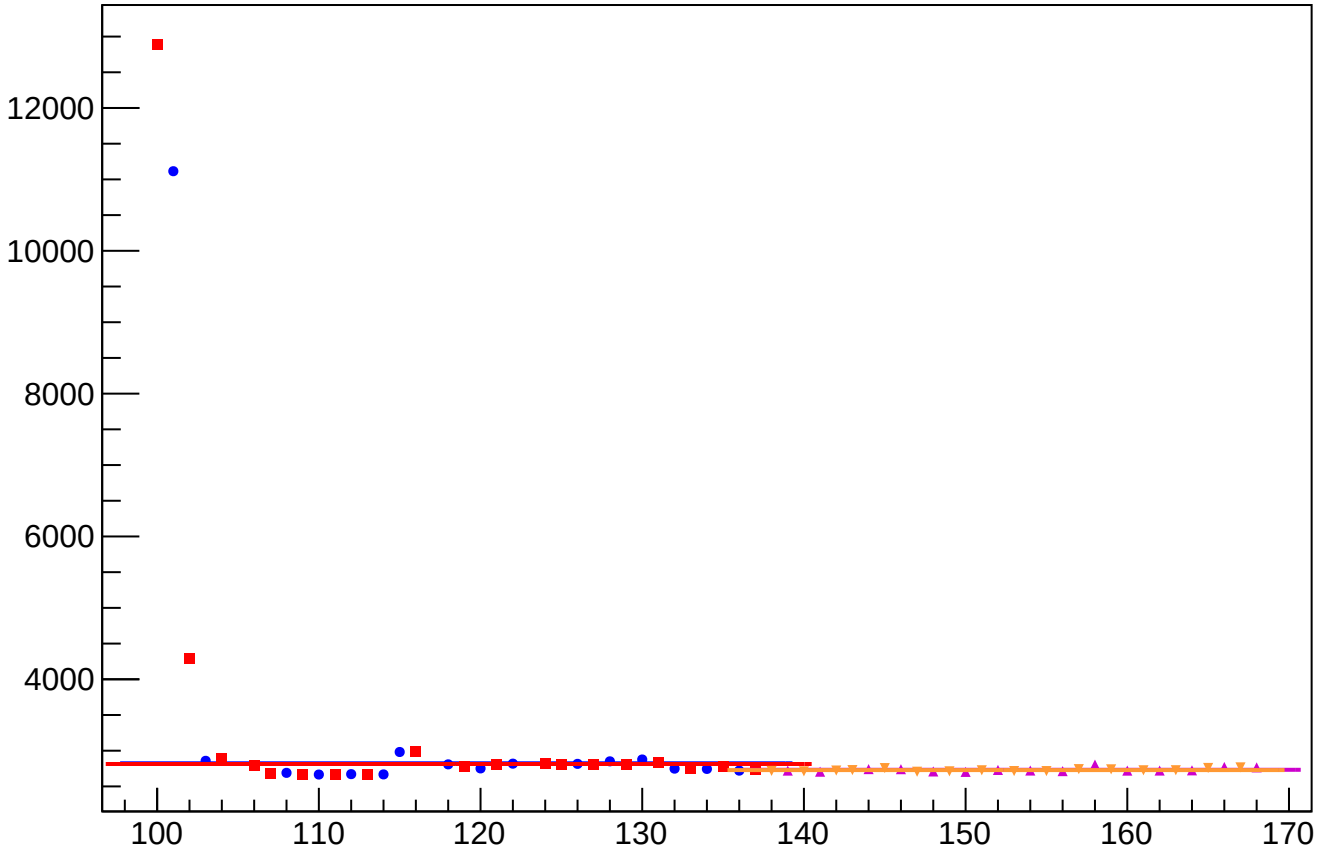
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2520.785+/-629.444 χ^2/NDF:42.6/30

Out: 2670.399+/-619.564 χ^2/NDF:28.8/34

All: 2596.775+/-441.550 χ^2/NDF: 71.4/65

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2728.423+/-0.543 χ^2/NDF:1054.7/15

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2732.652+/-0.548 χ^2/NDF:2416.2/14

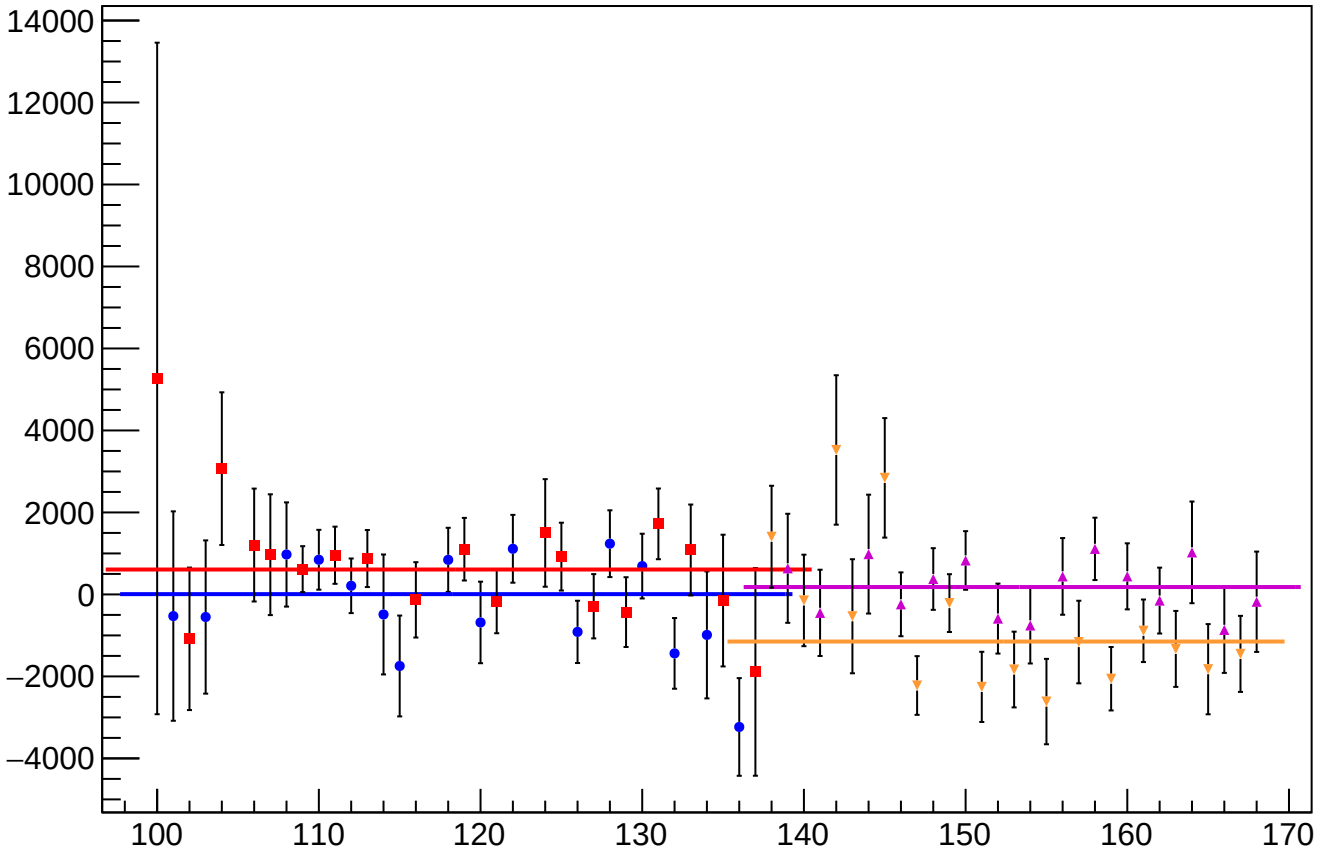
Left: 2730.515+/-0.386 χ^2/NDF: 3501.0/30

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.655+/-0.445 χ^2/NDF:755690.1/30

Out: 2758.164+/-0.438 χ^2/NDF:210190.8/34

All: 2760.866+/-0.312 χ^2/NDF: 965958.2/65



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1149.277+/-237.795 χ^2/NDF:29.5/15

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 180.366+/-235.445 χ^2/NDF:7.2/14

Left: -477.853+/-167.310 χ^2/NDF: 52.5/30

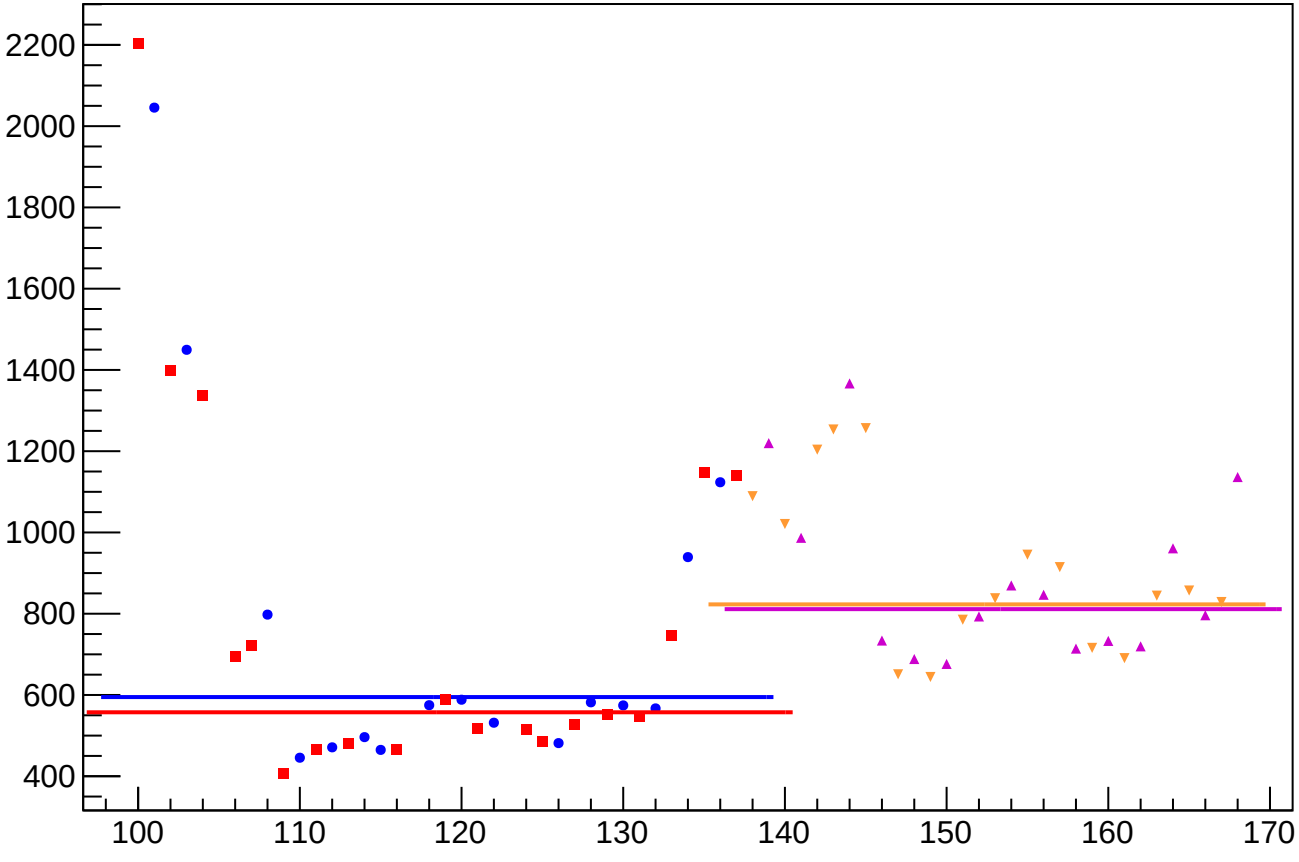
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 94.444+/-167.191 χ^2/NDF:30.3/30

Out: -191.024+/-160.328 χ^2/NDF:71.4/34

All: -54.269+/-115.719 χ^2/NDF: 103.2/65

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.975+/-0.168 χ^2/NDF:1004396.7/15

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 811.256+/-0.166 χ^2/NDF:941846.5/14

Left: 817.057+/-0.118 χ^2/NDF: 1948695.7/30

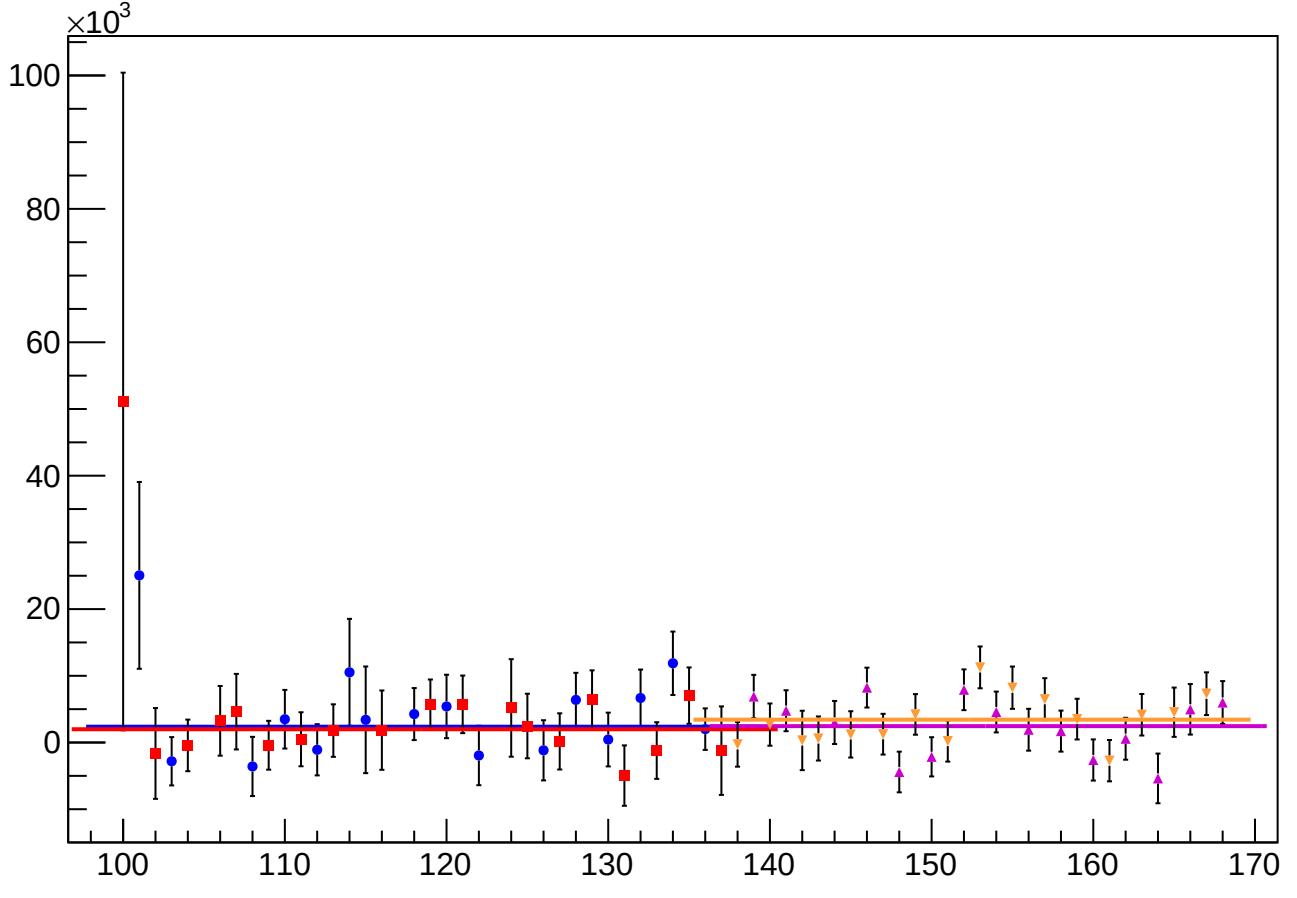
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 703.977+/-0.118 χ^2/NDF:3632064.7/30

Out: 678.125+/-0.113 χ^2/NDF:3996312.2/34

All: 690.509+/-0.082 χ^2/NDF: 7653288.4/65

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3426.056+/-810.764 χ^2/NDF:19.6/15

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2454.174+/-816.909 χ^2/NDF:26.6/14

Left: 2943.784+/-575.457 χ^2/NDF: 46.9/30

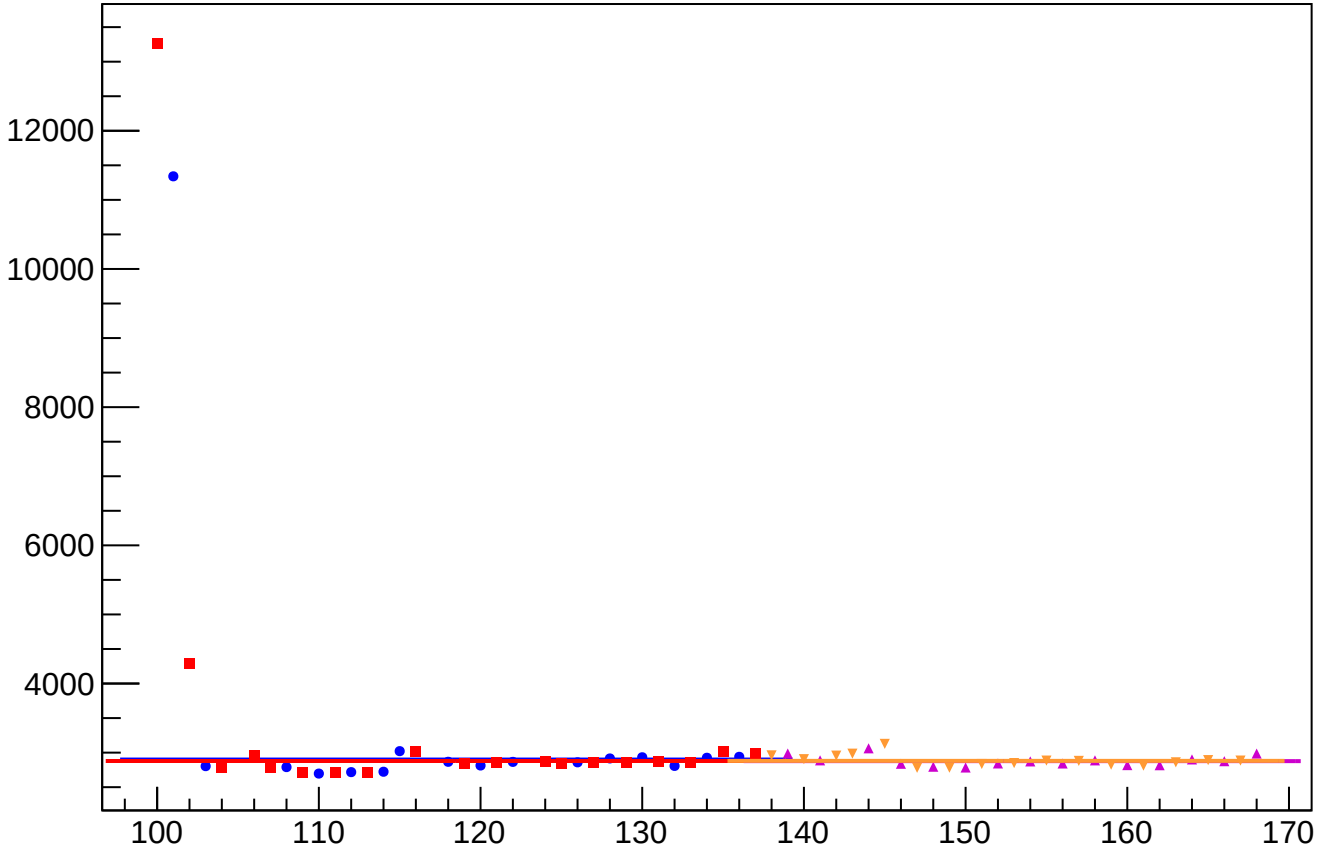
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2423.472+/-657.143 χ^2/NDF:43.5/30

Out: 2904.493+/-647.372 χ^2/NDF:31.0/34

All: 2667.585+/-461.177 χ^2/NDF: 74.8/65

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.837+/-0.573 χ^2/NDF:20534.5/15

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2876.913+/-0.578 χ^2/NDF:16952.2/14

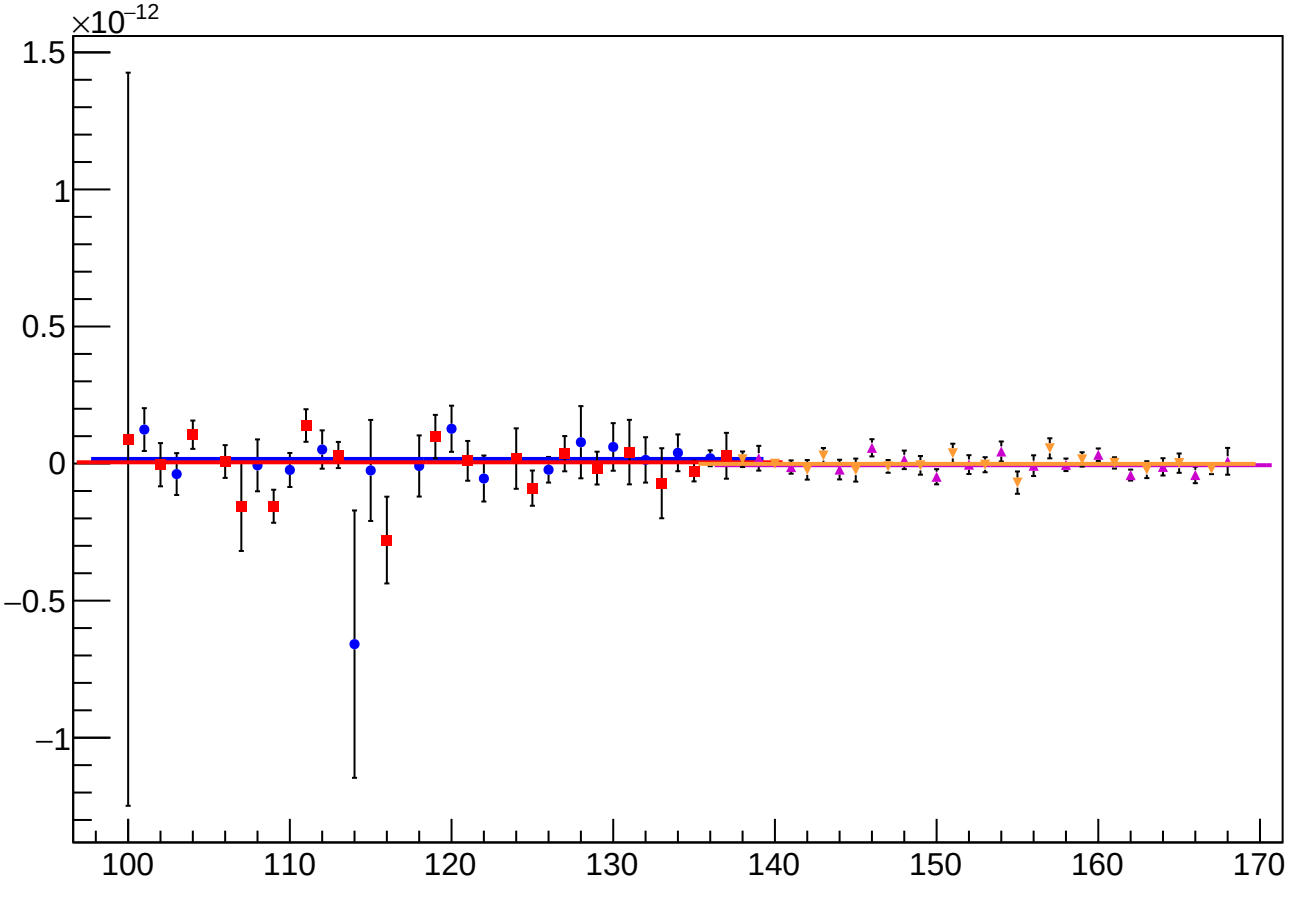
Left: 2878.890+/-0.407 χ^2/NDF: 37509.9/30

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2884.999+/-0.465 χ^2/NDF:759325.6/30

Out: 2880.155+/-0.458 χ^2/NDF:213820.8/34

All: 2882.541+/-0.326 χ^2/NDF: 973201.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/14

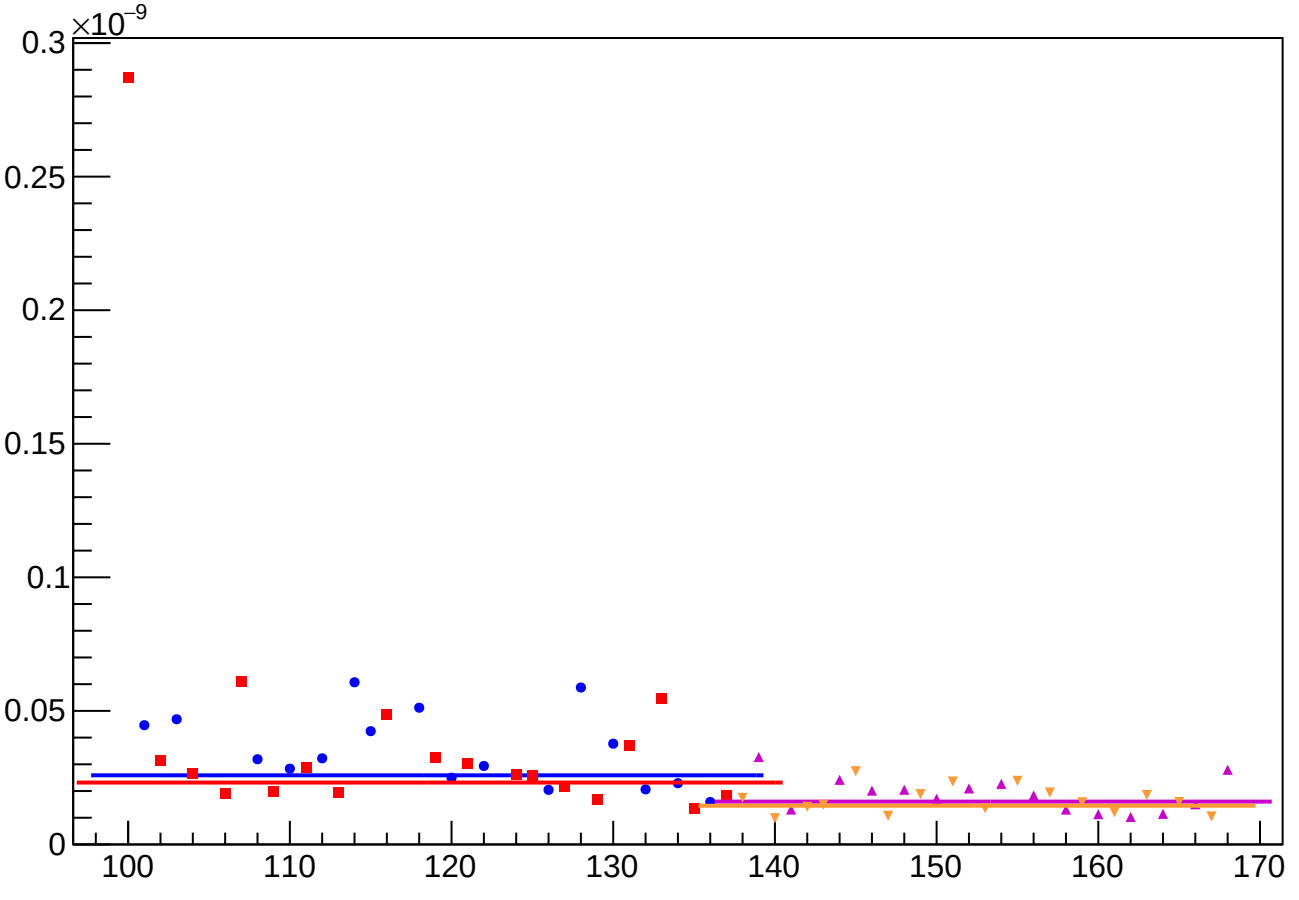
Left: -0.000+/-0.000 χ^2/NDF: 27.7/30

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:27.2/30

Out: -0.000+/-0.000 χ^2/NDF:36.5/34

All: -0.000+/-0.000 χ^2/NDF: 63.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:861545.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1041045.2/14

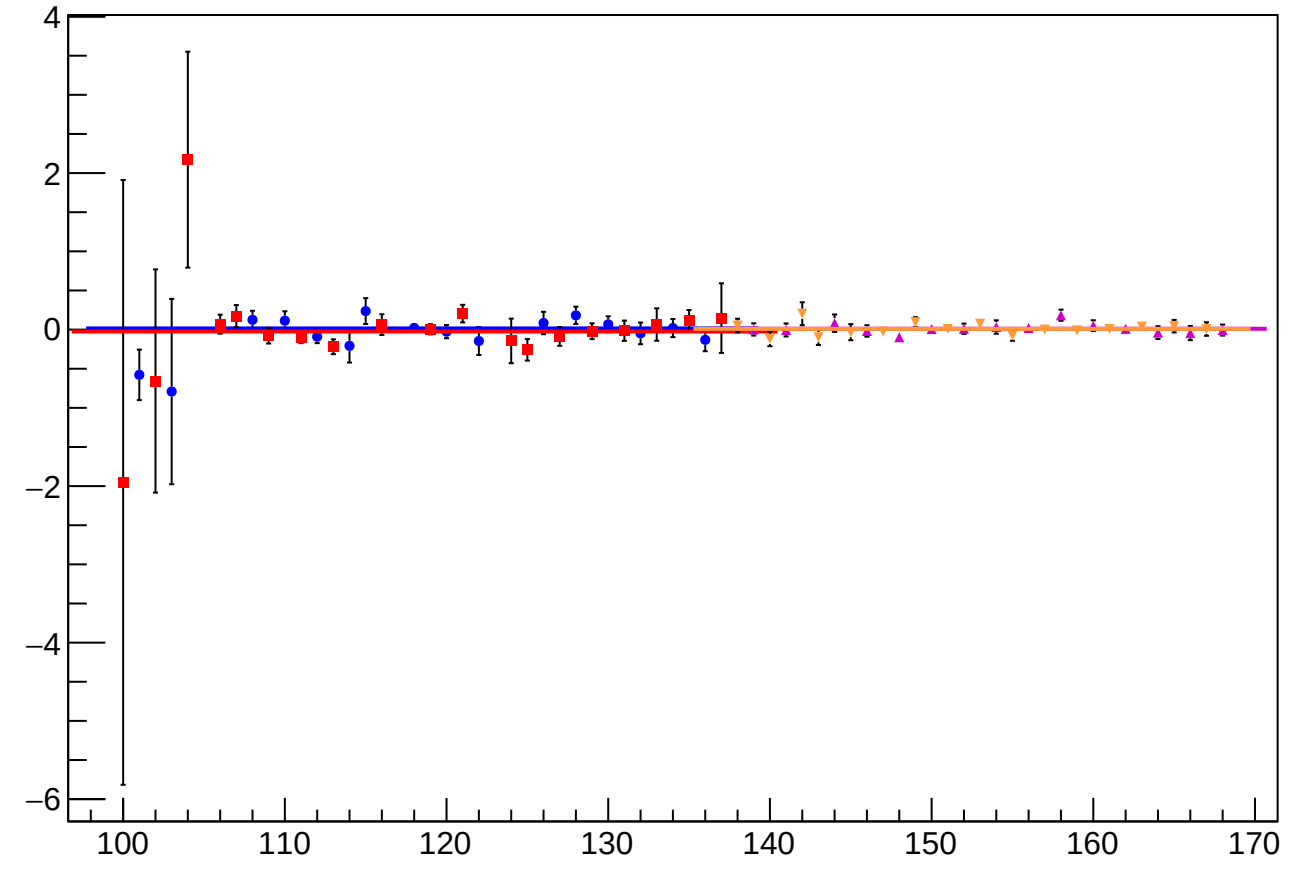
Left: 0.000+/-0.000 χ^2/NDF: 1948371.0/30

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2473022.3/30

Out: 0.000+/-0.000 χ^2/NDF:2065709.8/34

All: 0.000+/-0.000 χ^2/NDF: 4615056.8/65



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.017 χ^2/NDF:10.8/15

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.011+/-0.018 χ^2/NDF:10.7/14

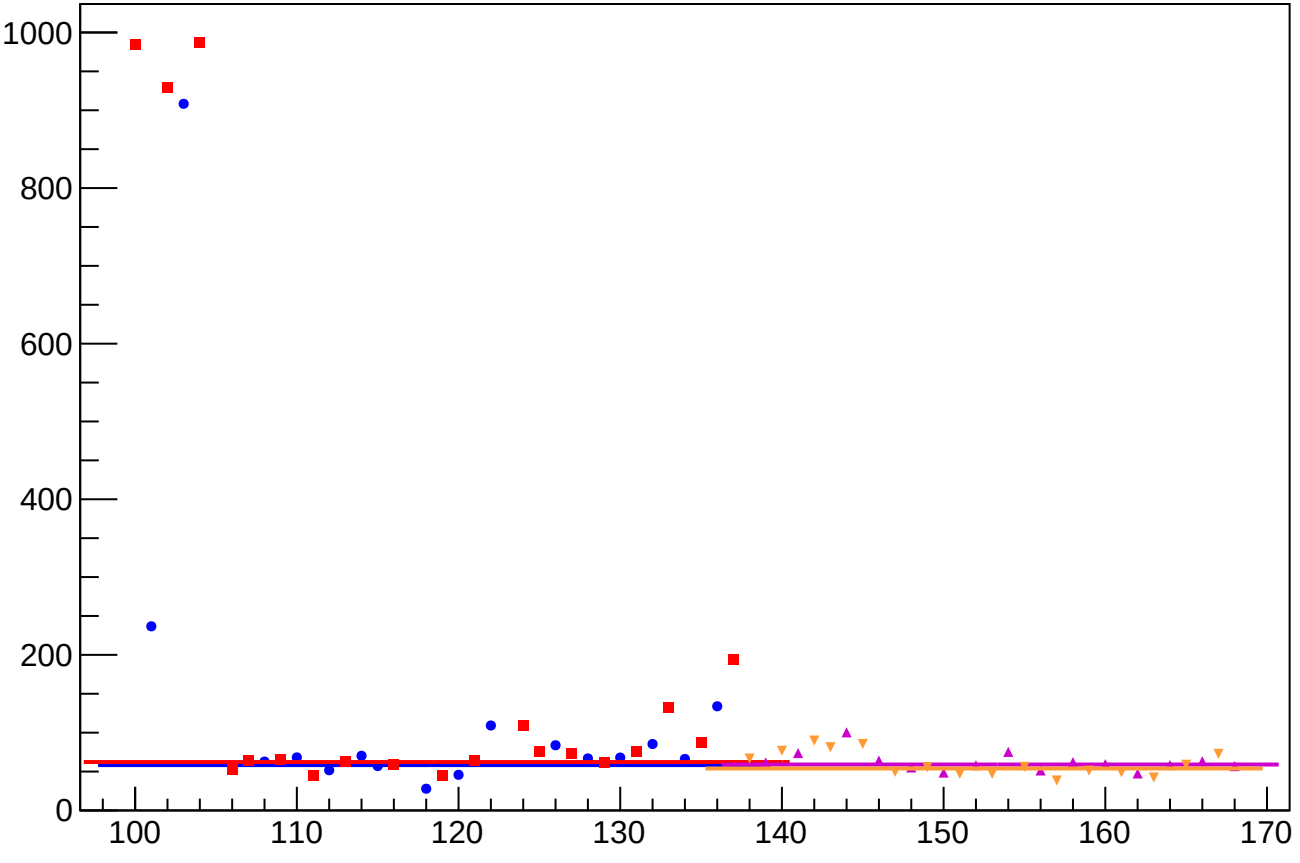
Left: 0.010+/-0.013 χ^2/NDF: 21.5/30

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.015 χ^2/NDF:25.7/30

Out: 0.000+/-0.015 χ^2/NDF:32.6/34

All: 0.006+/-0.011 χ^2/NDF: 58.7/65



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.038+/-0.013 χ^2/NDF:616413.9/14

Left: 56.330+/-0.009 χ^2/NDF: 1743441.5/30

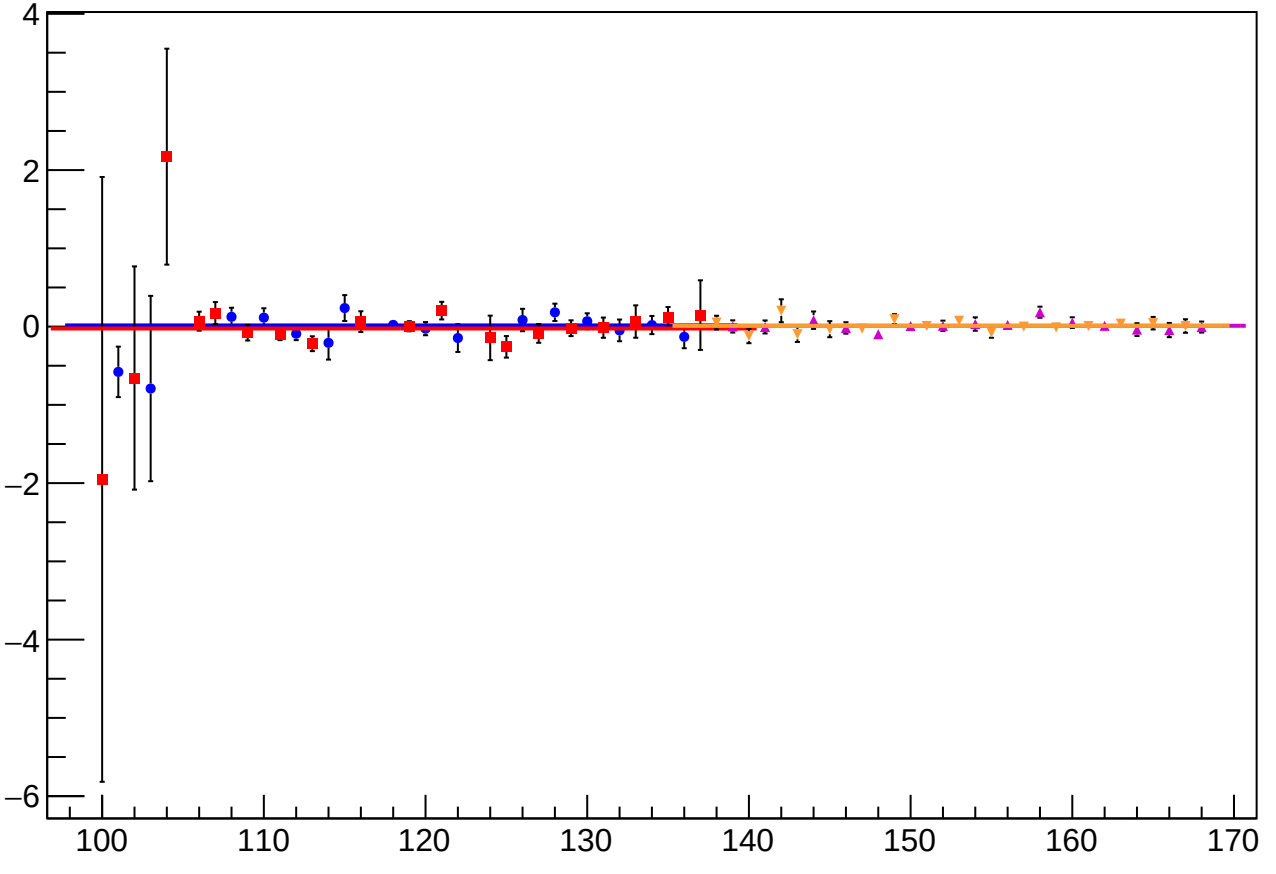
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.817+/-0.011 χ^2/NDF:3877761.9/30

Out: 56.226+/-0.010 χ^2/NDF:3799468.1/34

All: 57.470+/-0.008 χ^2/NDF: 7706833.1/65

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: 0.010+/-0.017 χ^2/NDF:10.8/15

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.011+/-0.018 χ^2/NDF:10.7/14

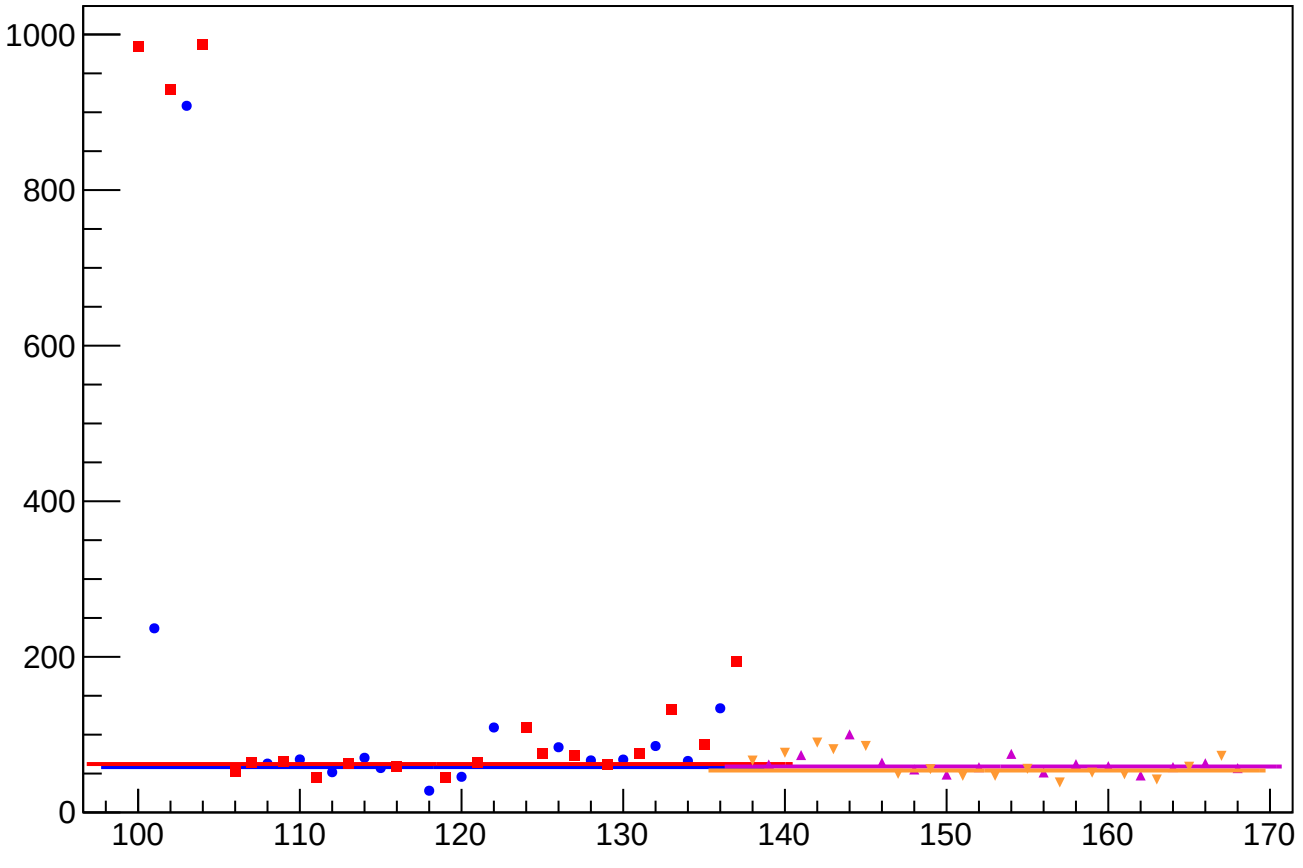
Left: 0.010+/-0.013 χ^2/NDF: 21.5/30

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.015 χ^2/NDF:25.7/30

Out: 0.000+/-0.015 χ^2/NDF:32.6/34

All: 0.006+/-0.011 χ^2/NDF: 58.7/65



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045261.0/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.038+/-0.013 χ^2/NDF:616413.9/14

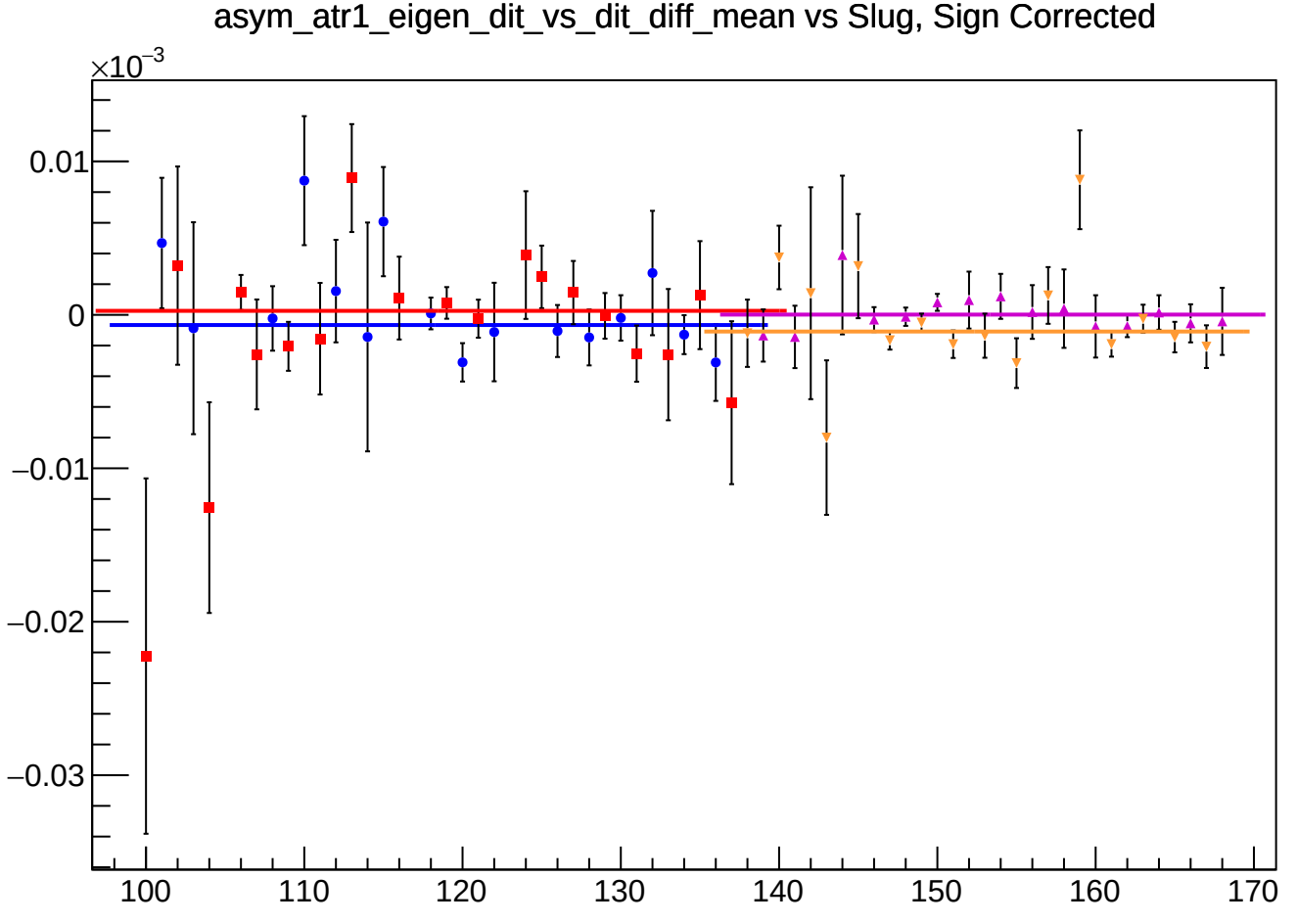
Left: 56.330+/-0.009 χ^2/NDF: 1743441.5/30

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.817+/-0.011 χ^2/NDF:3877761.9/30

Out: 56.226+/-0.010 χ^2/NDF:3799468.1/34

All: 57.470+/-0.008 χ^2/NDF: 7706833.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/14

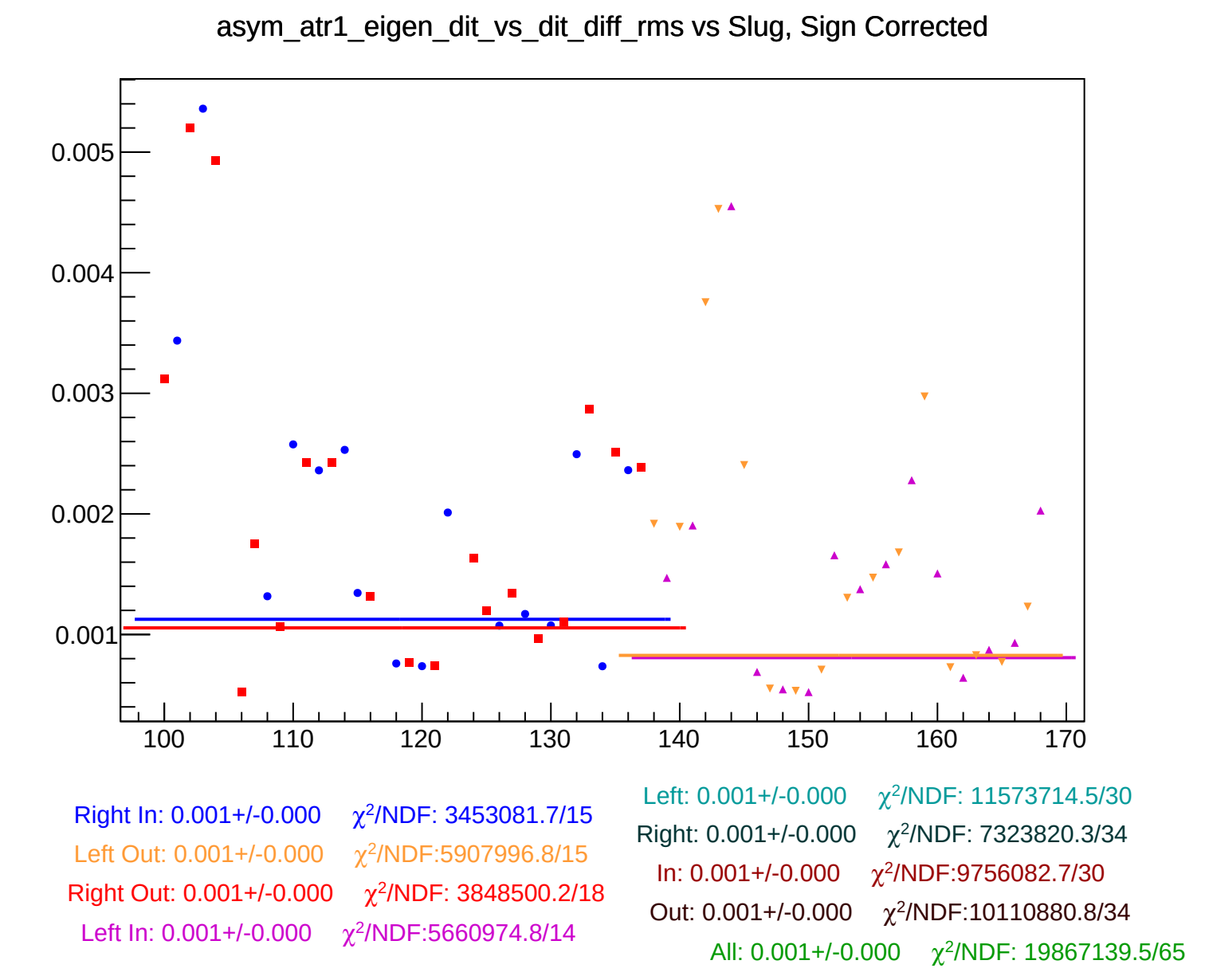
Left: -0.000+/-0.000 χ^2/NDF: 41.4/30

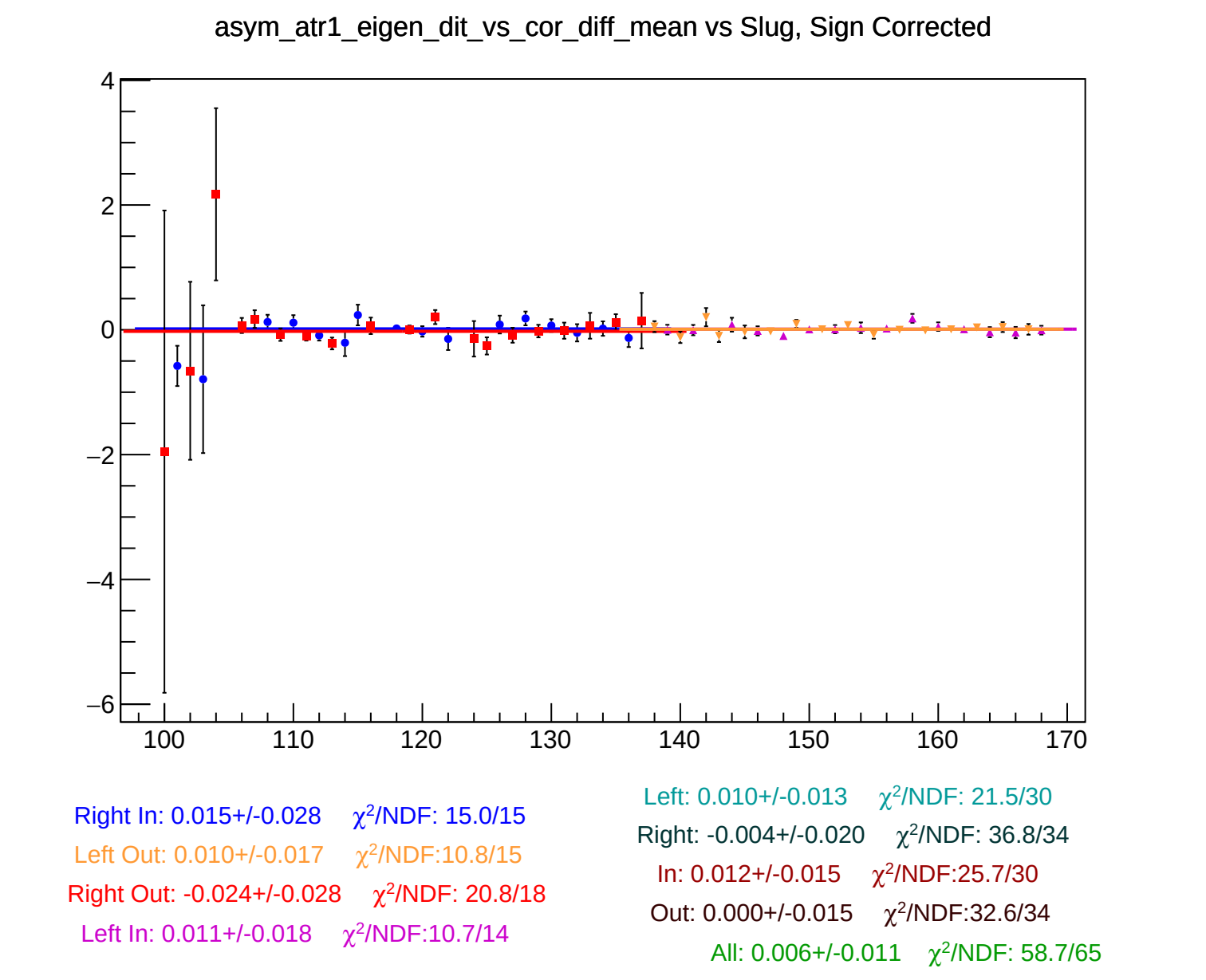
Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

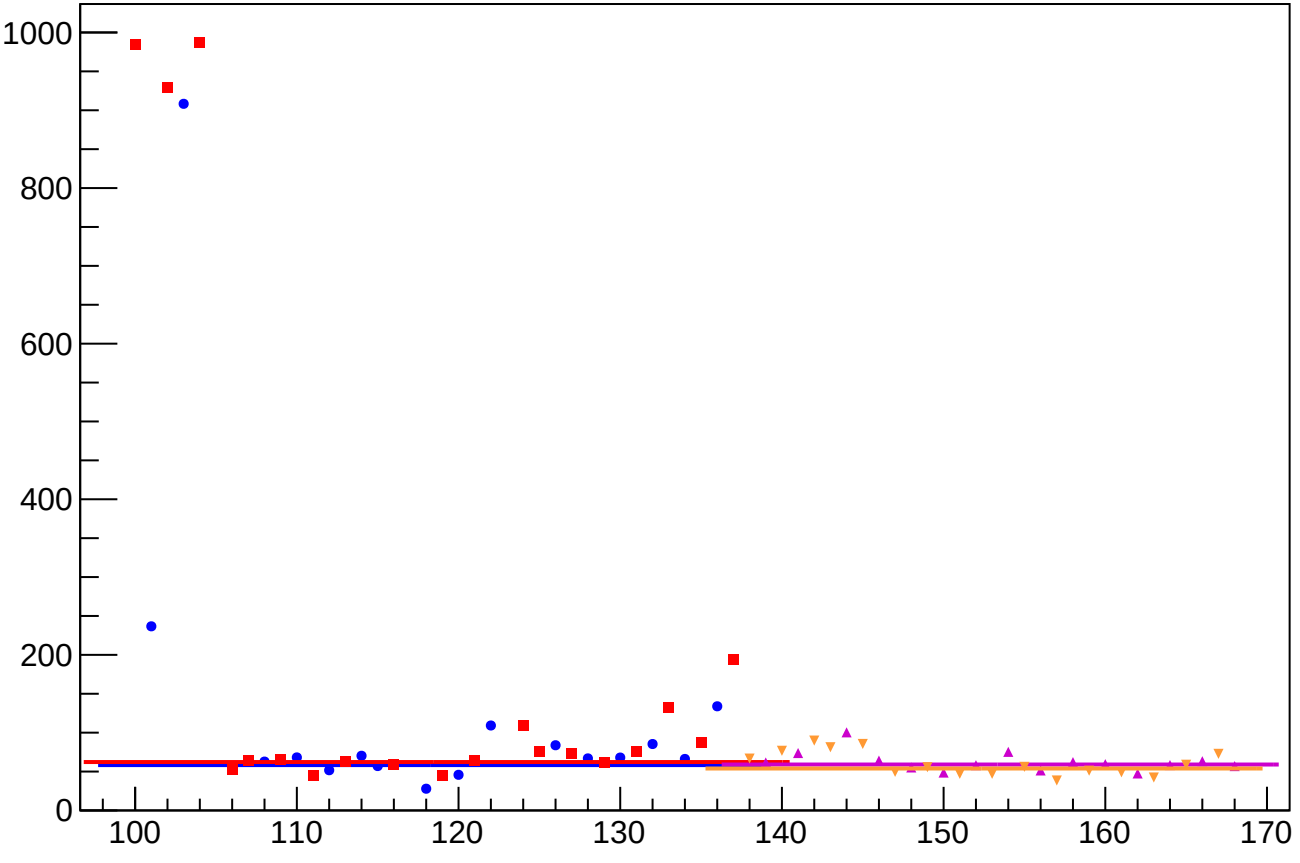
In: -0.000+/-0.000 χ^2/NDF:25.2/30

Out: -0.000+/-0.000 χ^2/NDF:57.7/34

All: -0.000+/-0.000 χ^2/NDF: 85.9/65


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 3453081.7/15
Left Out: 0.001+/-0.000 χ²/NDF:5907996.8/15
Right Out: 0.001+/-0.000 χ²/NDF: 3848500.2/18
Left In: 0.001+/-0.000 χ²/NDF:5660974.8/14
Left: 0.001+/-0.000 χ²/NDF: 11573714.5/30
Right: 0.001+/-0.000 χ²/NDF: 7323820.3/34
In: 0.001+/-0.000 χ²/NDF:9756082.7/30
Out: 0.001+/-0.000 χ²/NDF:10110880.8/34
All: 0.001+/-0.000 χ²/NDF: 19867139.5/65


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.017 χ²/NDF:10.8/15
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.011+/-0.018 χ²/NDF:10.7/14
Left: 0.010+/-0.013 χ²/NDF: 21.5/30
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.012+/-0.015 χ²/NDF:25.7/30
Out: 0.000+/-0.015 χ²/NDF:32.6/34
All: 0.006+/-0.011 χ²/NDF: 58.7/65



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.038+/-0.013 χ^2/NDF:616438.2/14

Left: 56.329+/-0.009 χ^2/NDF: 1743553.5/30

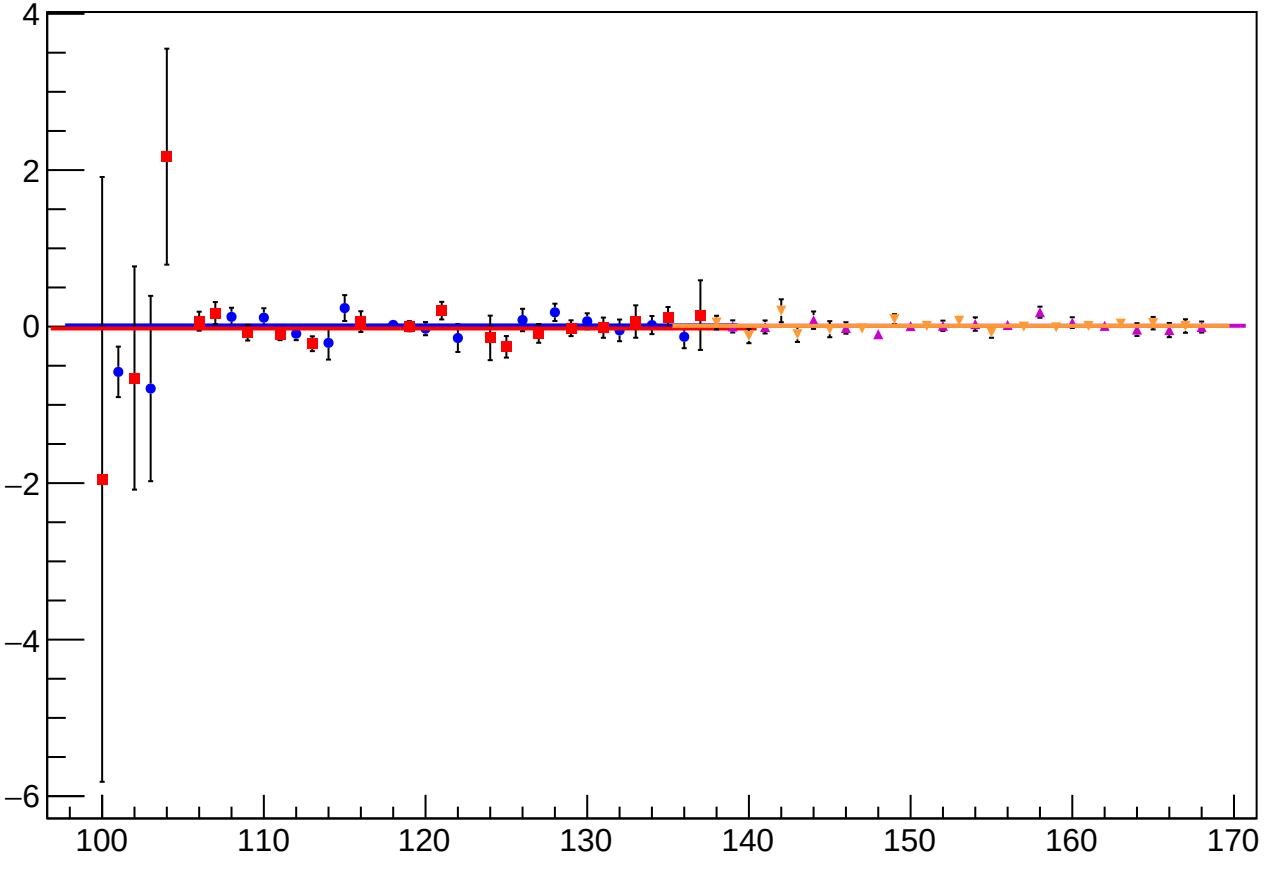
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.817+/-0.011 χ^2/NDF:3877868.3/30

Out: 56.226+/-0.010 χ^2/NDF:3799541.8/34

All: 57.470+/-0.008 χ^2/NDF: 7707020.2/65

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: 0.010+/-0.017 χ^2/NDF:10.8/15

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.011+/-0.018 χ^2/NDF:10.7/14

Left: 0.010+/-0.013 χ^2/NDF: 21.5/30

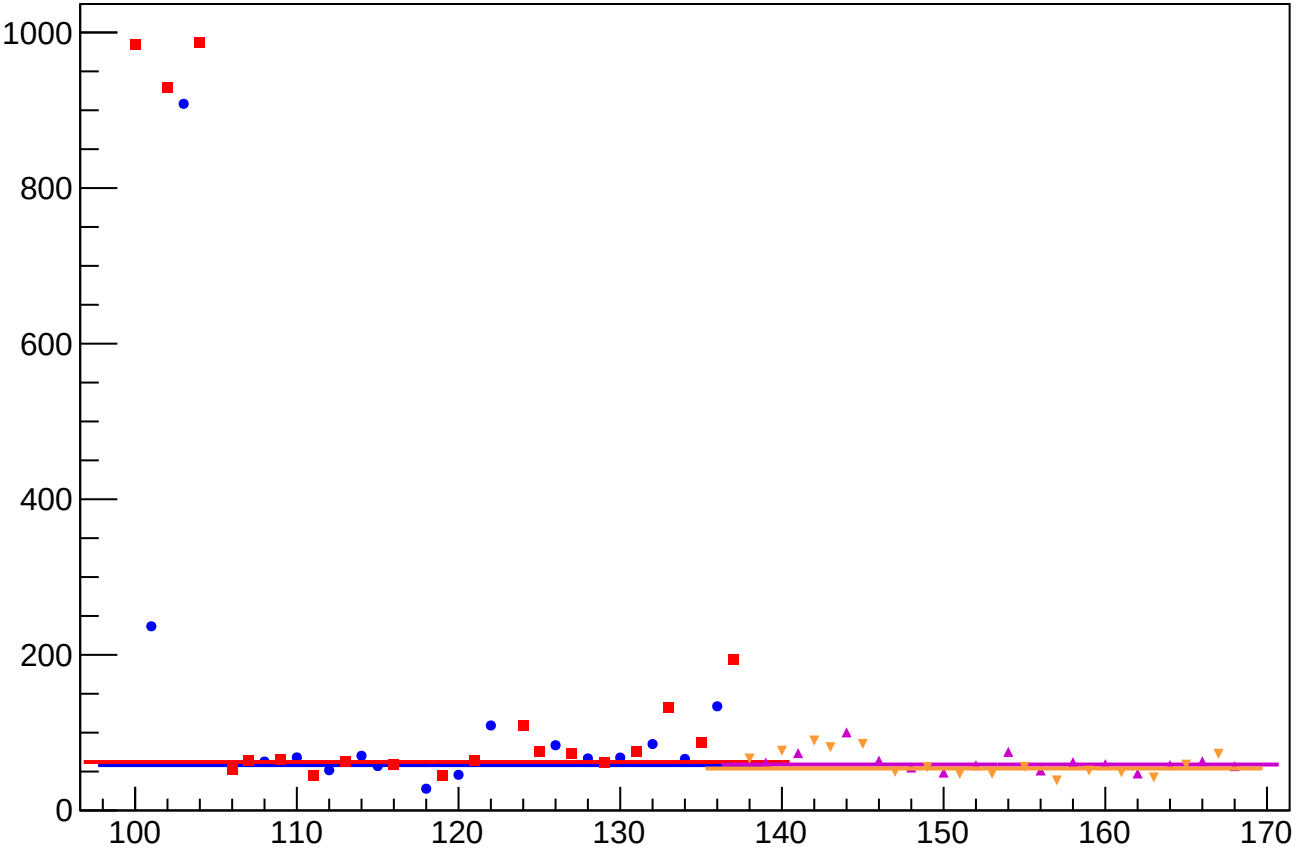
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.015 χ^2/NDF:25.7/30

Out: 0.000+/-0.015 χ^2/NDF:32.6/34

All: 0.006+/-0.011 χ^2/NDF: 58.7/65

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.922+/-0.012 χ^2/NDF:1045326.5/15

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.038+/-0.013 χ^2/NDF:616438.2/14

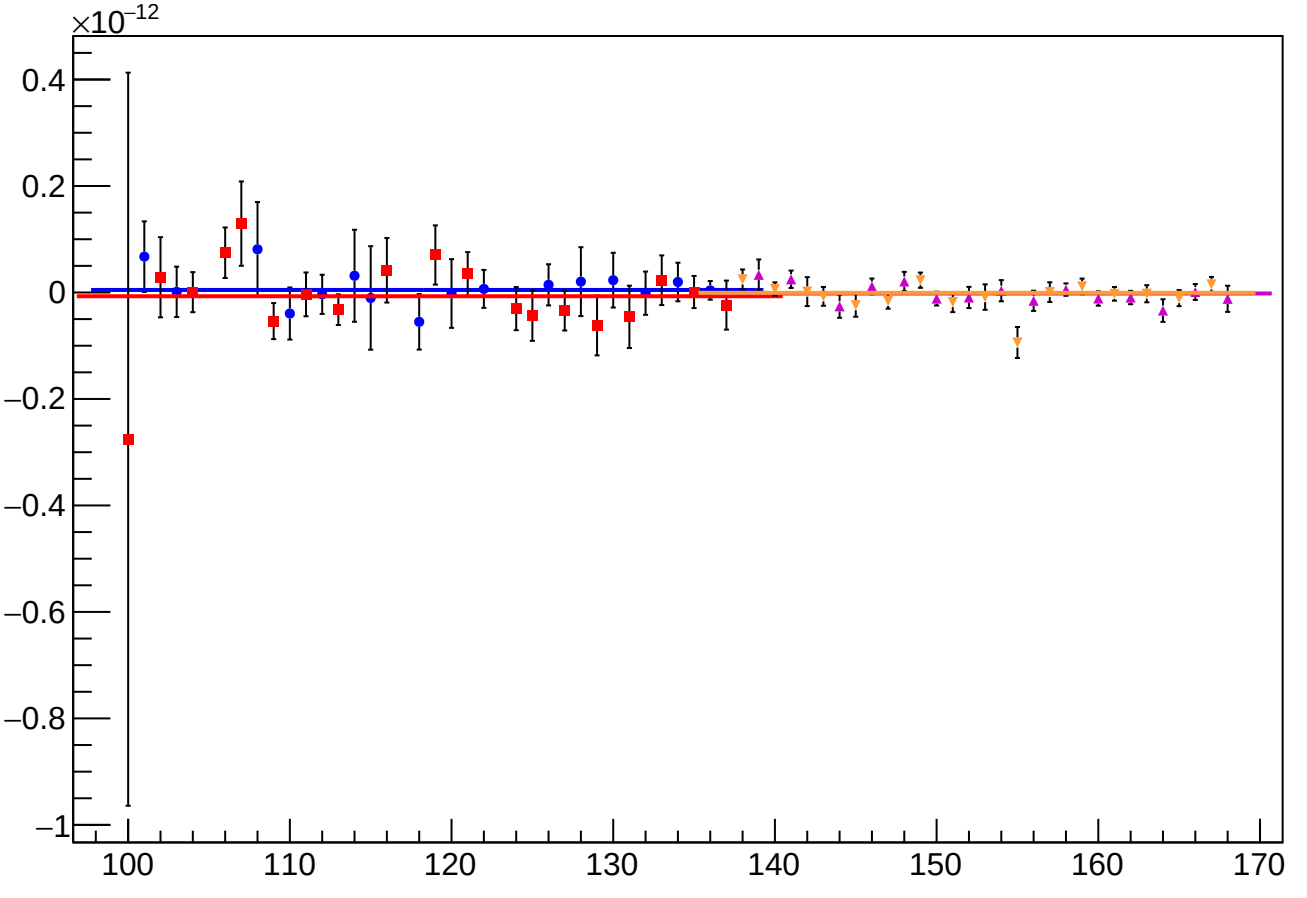
Left: 56.329+/-0.009 χ^2/NDF: 1743553.5/30

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.817+/-0.011 χ^2/NDF:3877868.3/30

Out: 56.226+/-0.010 χ^2/NDF:3799541.8/34

All: 57.470+/-0.008 χ^2/NDF: 7707020.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/14

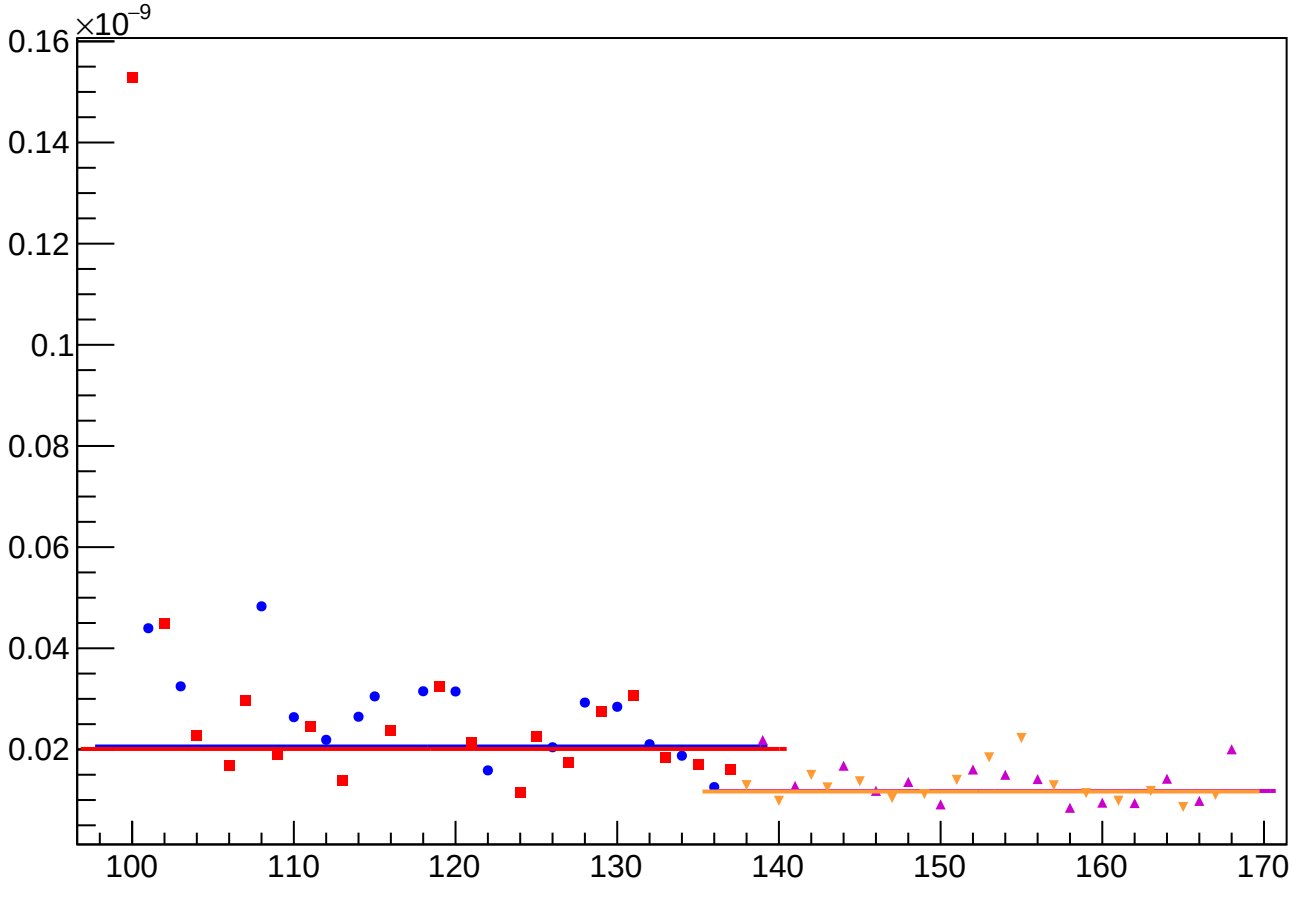
Left: -0.000+/-0.000 χ^2/NDF: 33.7/30

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:17.5/30

Out: -0.000+/-0.000 χ^2/NDF:37.4/34

All: -0.000+/-0.000 χ^2/NDF: 54.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:710009.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1212811.5/14

Left: 0.000+/-0.000 χ^2/NDF: 1923437.9/30

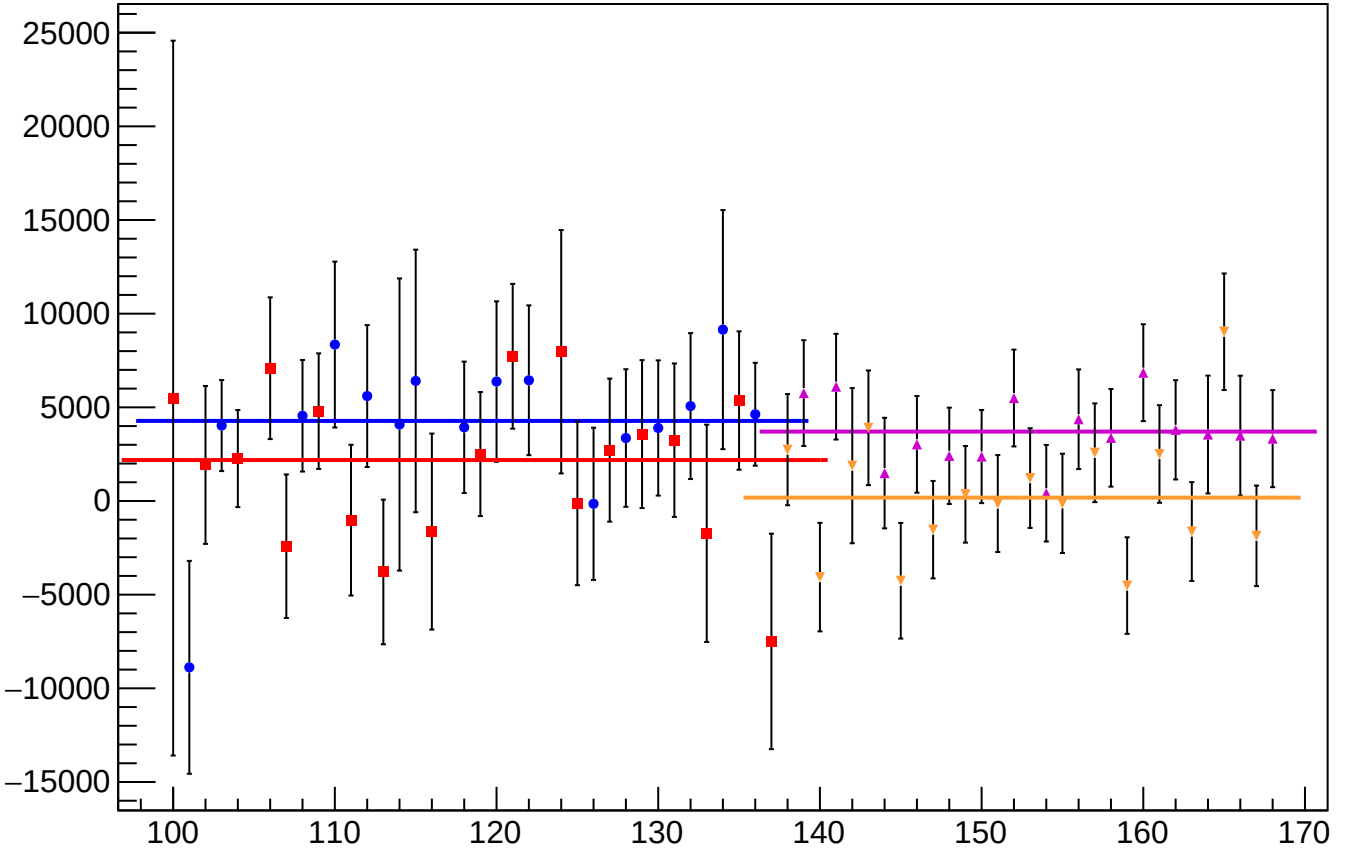
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3789553.6/30

Out: 0.000+/-0.000 χ^2/NDF:2706522.4/34

All: 0.000+/-0.000 χ^2/NDF: 6498017.0/65

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.890+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3704.533+/-697.173 χ^2/NDF:6.1/14

Left: 1940.505+/-492.737 χ^2/NDF: 40.2/30

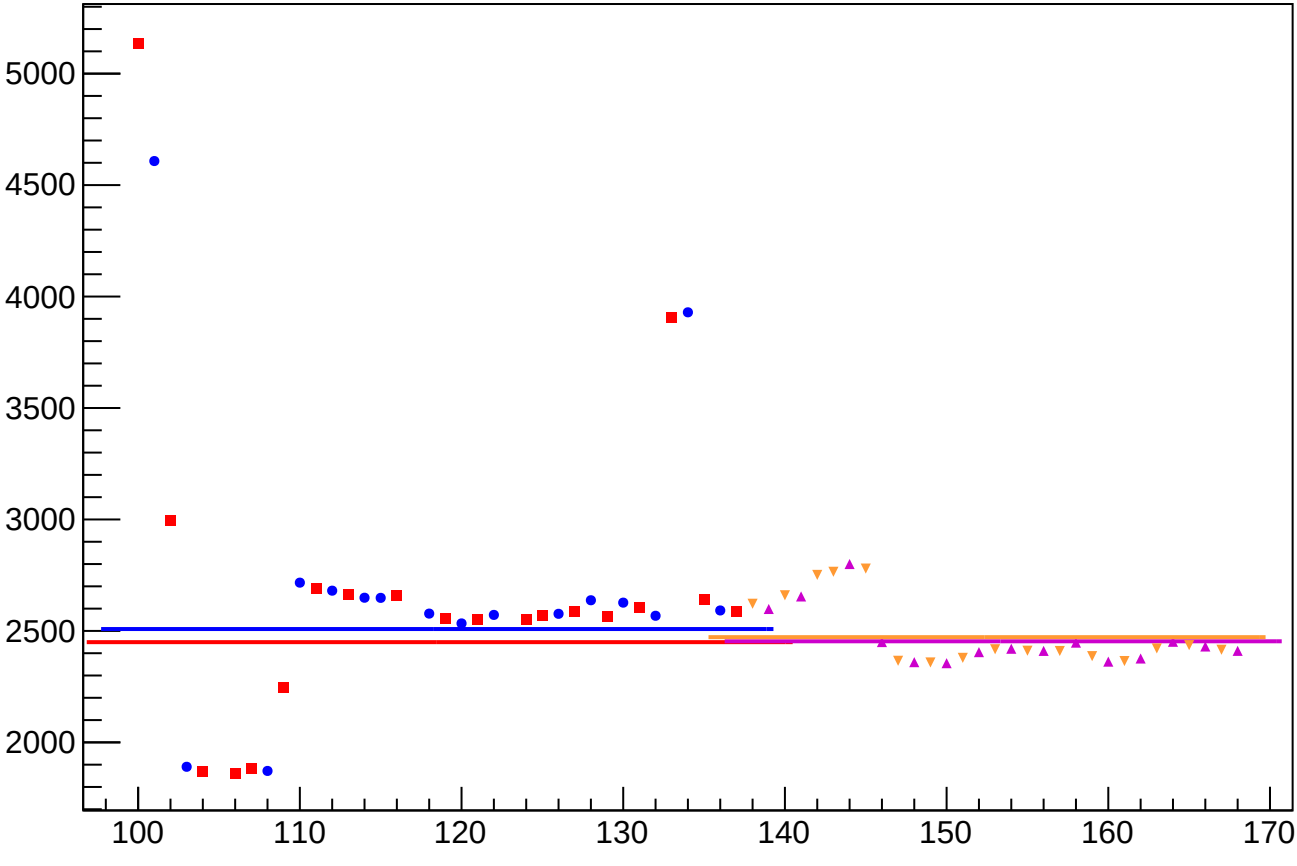
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3903.475+/-562.465 χ^2/NDF:15.2/30

Out: 908.753+/-555.772 χ^2/NDF:39.1/34

All: 2388.189+/-395.335 χ^2/NDF: 68.7/65

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

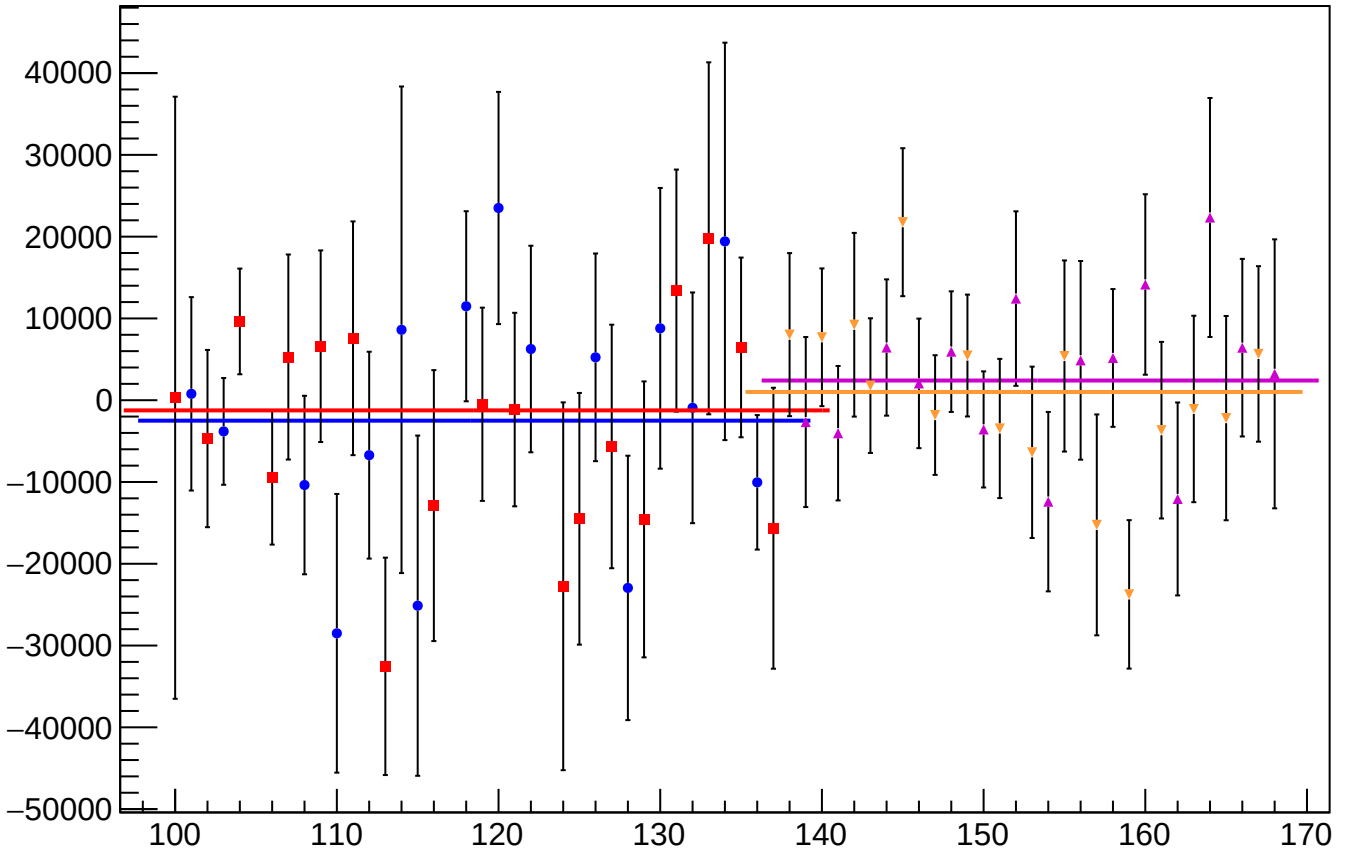
Left: 2462.747+/-0.348 χ^2/NDF: 136957.7/30

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2472.665+/-0.398 χ^2/NDF:671153.2/30

Out: 2463.880+/-0.393 χ^2/NDF:518683.4/34

All: 2468.220+/-0.280 χ^2/NDF: 1190083.4/65



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1009.429+/-2390.759 χ^2/NDF:17.7/15

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2407.780+/-2478.122 χ^2/NDF:9.5/14

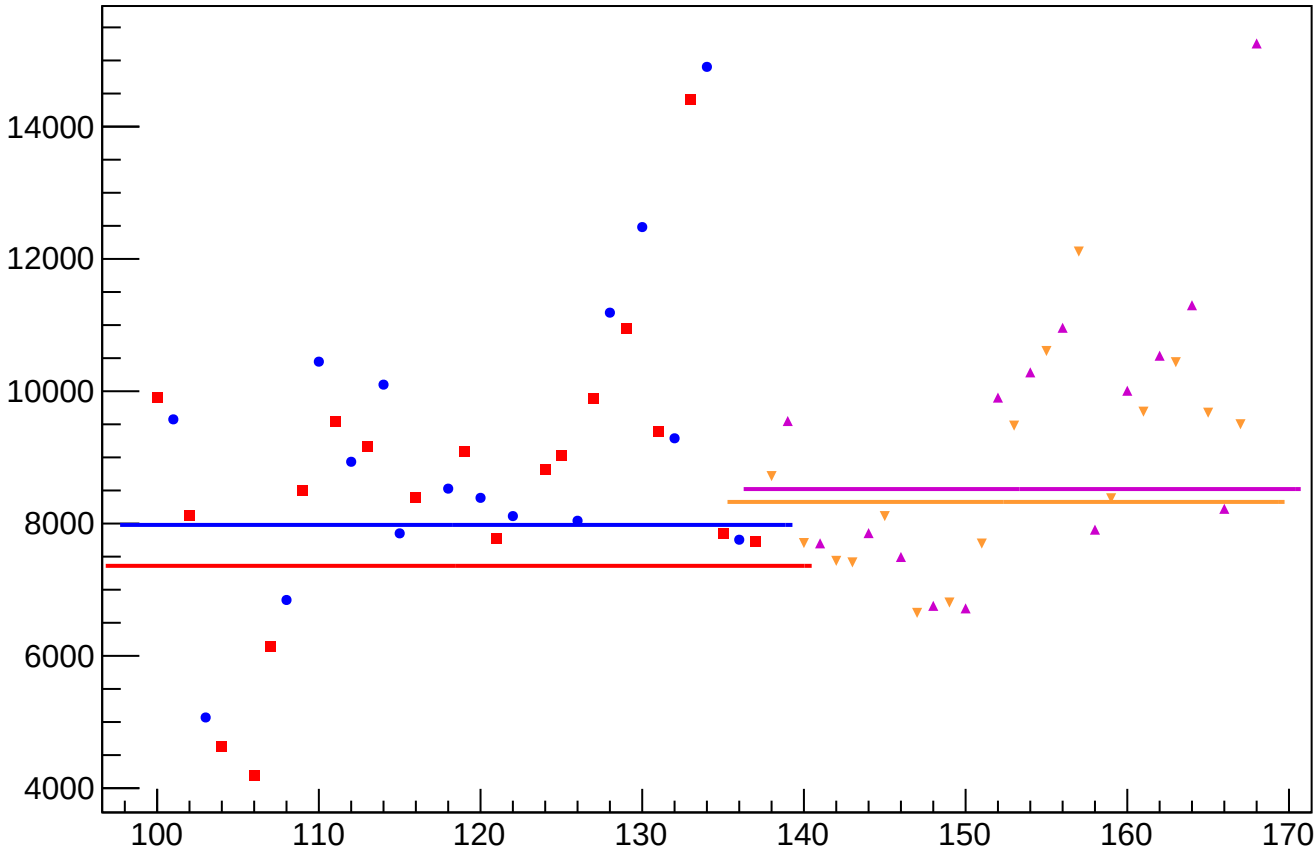
Left: 1683.522+/-1720.578 χ^2/NDF: 27.4/30

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: 475.584+/-1929.672 χ^2/NDF:24.8/30

Out: 79.579+/-1832.367 χ^2/NDF:34.7/34

All: 267.346+/-1328.748 χ^2/NDF: 59.5/65



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8326.932+/-1.691 χ^2/NDF:656995.2/15

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8521.361+/-1.752 χ^2/NDF:1009967.8/14

Left: 8420.659+/-1.217 χ^2/NDF: 1673339.5/30

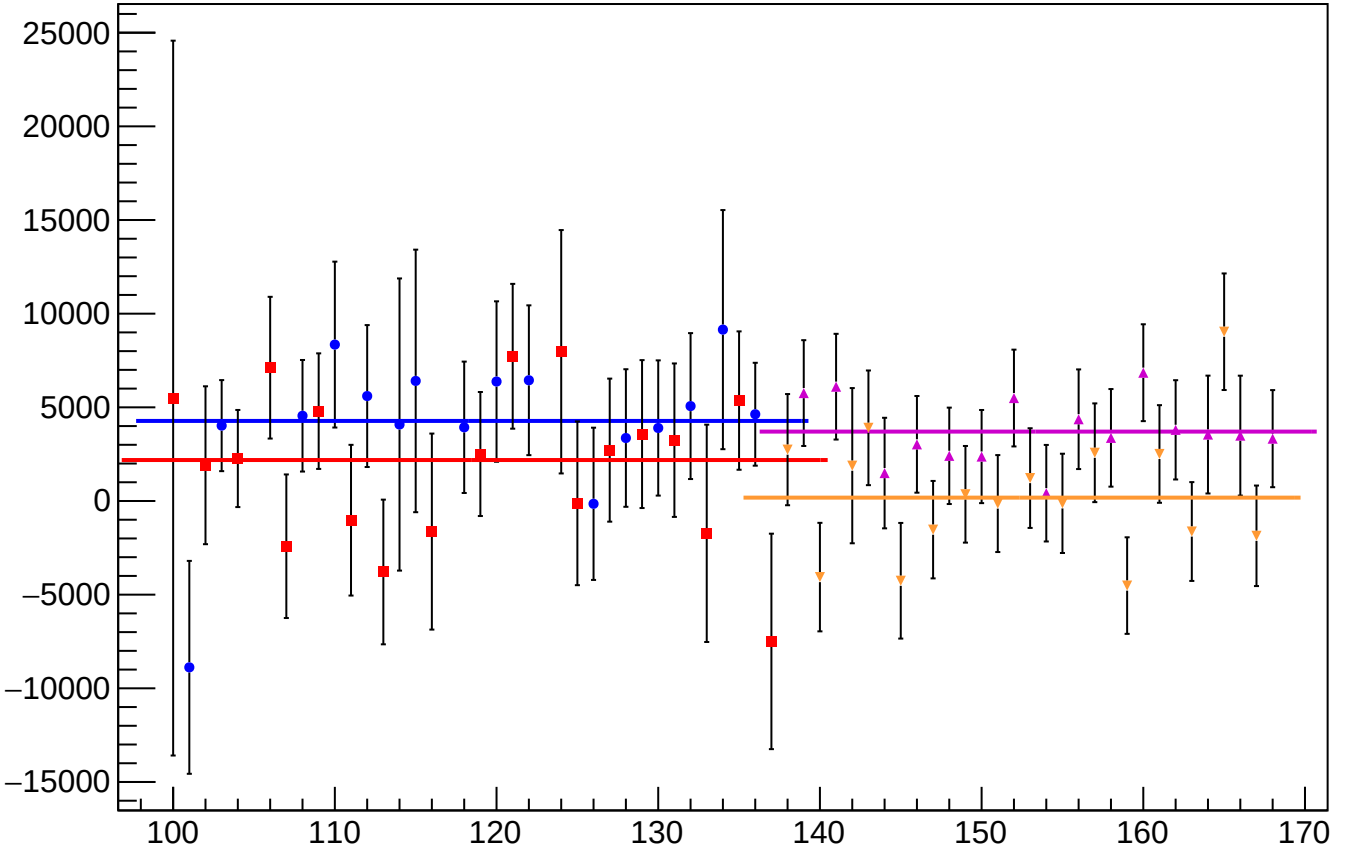
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8308.051+/-1.364 χ^2/NDF:1970695.4/30

Out: 7928.308+/-1.296 χ^2/NDF:2077771.3/34

All: 8108.364+/-0.940 χ^2/NDF: 4089195.8/65

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3704.517+/-697.173 χ^2/NDF:6.1/14

Left: 1940.377+/-492.737 χ^2/NDF: 40.2/30

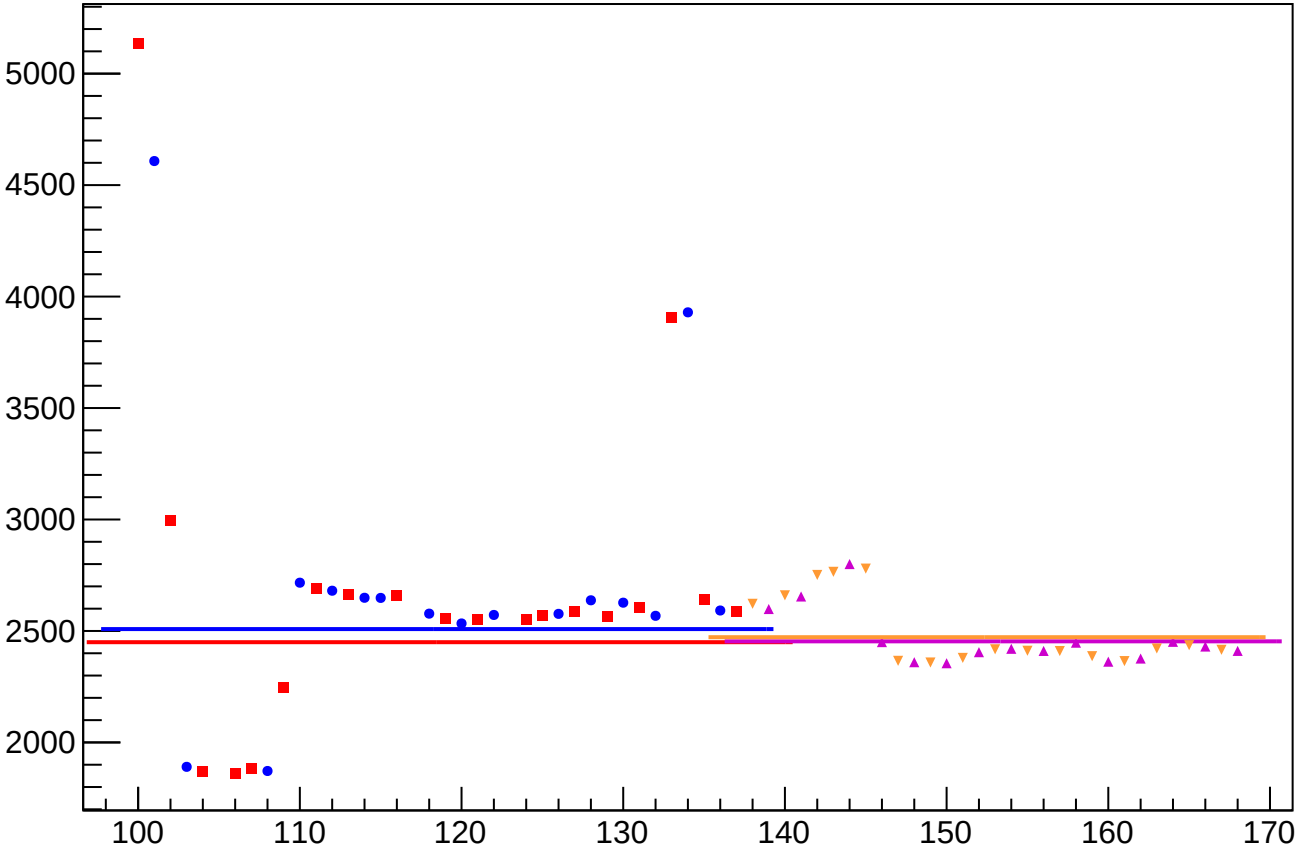
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3903.293+/-562.465 χ^2/NDF:15.2/30

Out: 908.818+/-555.774 χ^2/NDF:39.2/34

All: 2388.137+/-395.336 χ^2/NDF: 68.7/65

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

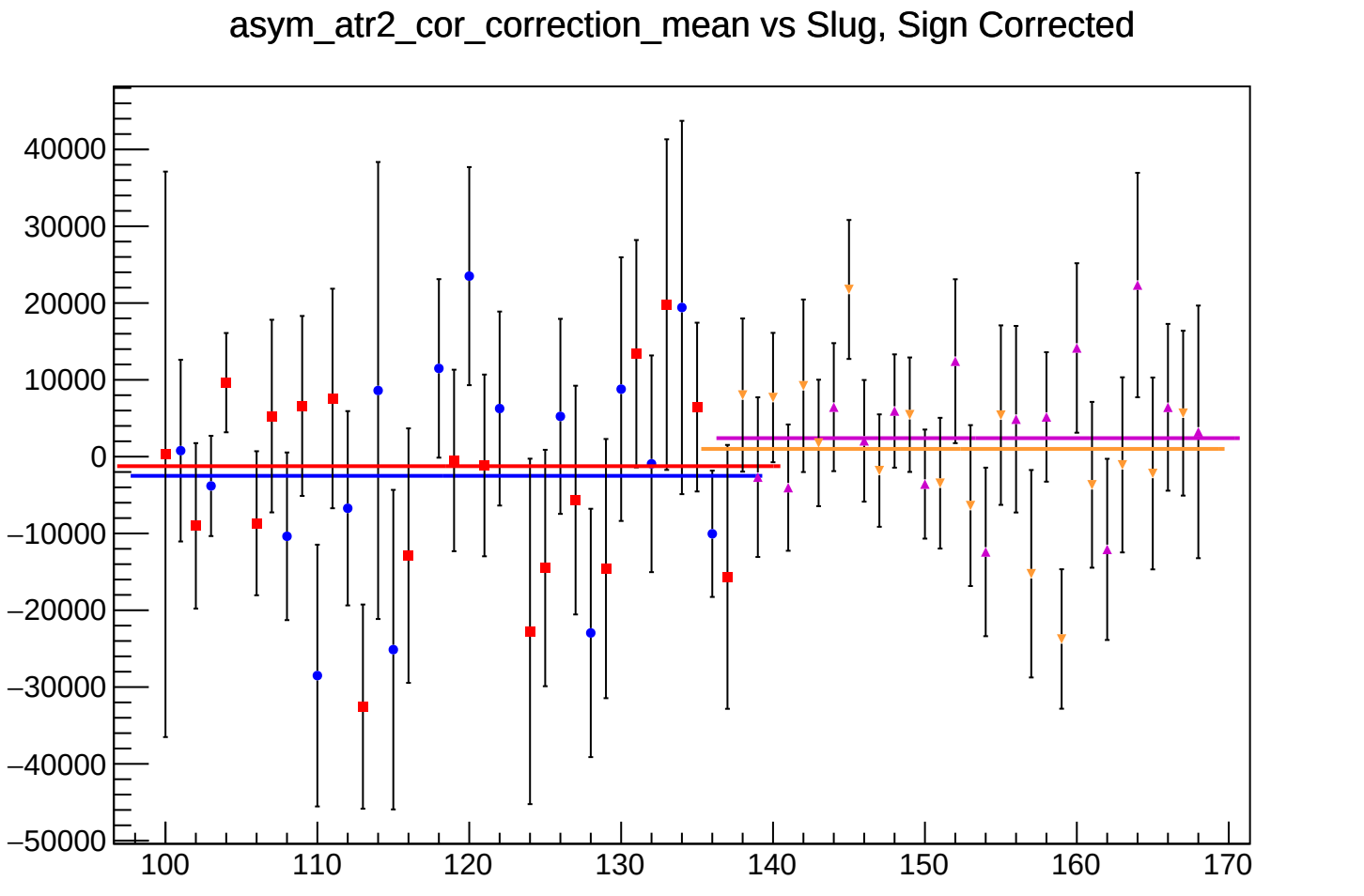
Left: 2462.747+/-0.348 χ^2/NDF: 136957.7/30

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2472.665+/-0.398 χ^2/NDF:671151.1/30

Out: 2463.889+/-0.393 χ^2/NDF:518627.4/34

All: 2468.224+/-0.280 χ^2/NDF: 1190024.9/65



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1009.411+/-2390.755 χ^2/NDF:17.7/15

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2407.891+/-2478.121 χ^2/NDF:9.5/14

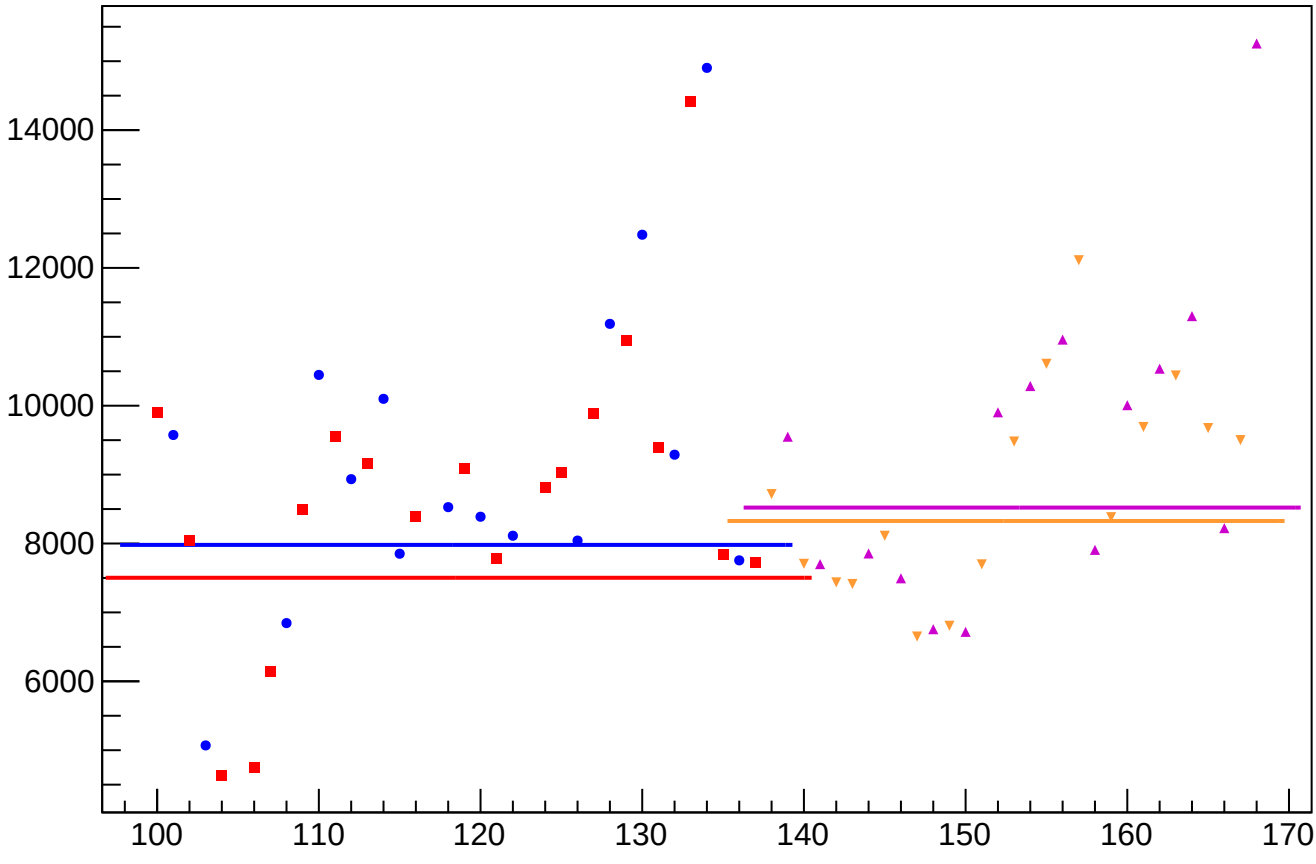
Left: 1683.565+/-1720.576 χ^2/NDF: 27.4/30

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 475.806+/-1929.693 χ^2/NDF:24.8/30

Out: 96.824+/-1843.023 χ^2/NDF:34.7/34

All: 277.614+/-1332.801 χ^2/NDF: 59.5/65



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8521.359+/-1.752 χ^2/NDF:1009969.7/14

Left: 8420.650+/-1.217 χ^2/NDF: 1673347.9/30

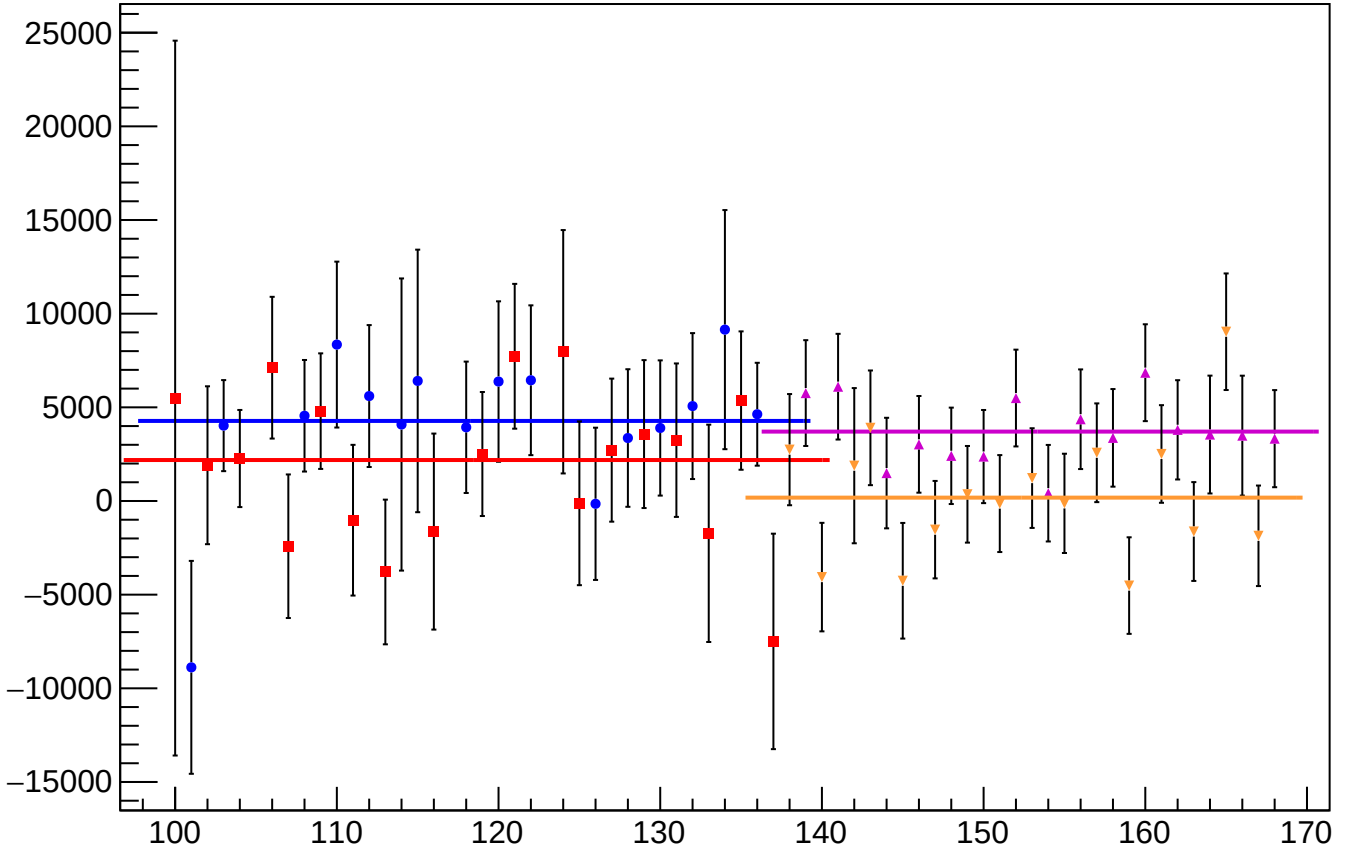
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8308.185+/-1.364 χ^2/NDF:1970352.2/30

Out: 7992.511+/-1.303 χ^2/NDF:1888970.5/34

All: 8143.100+/-0.942 χ^2/NDF: 3887312.6/65

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 179.650+/-696.498 χ^2/NDF:21.3/15

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3704.517+/-697.173 χ^2/NDF:6.1/14

Left: 1940.377+/-492.737 χ^2/NDF: 40.2/30

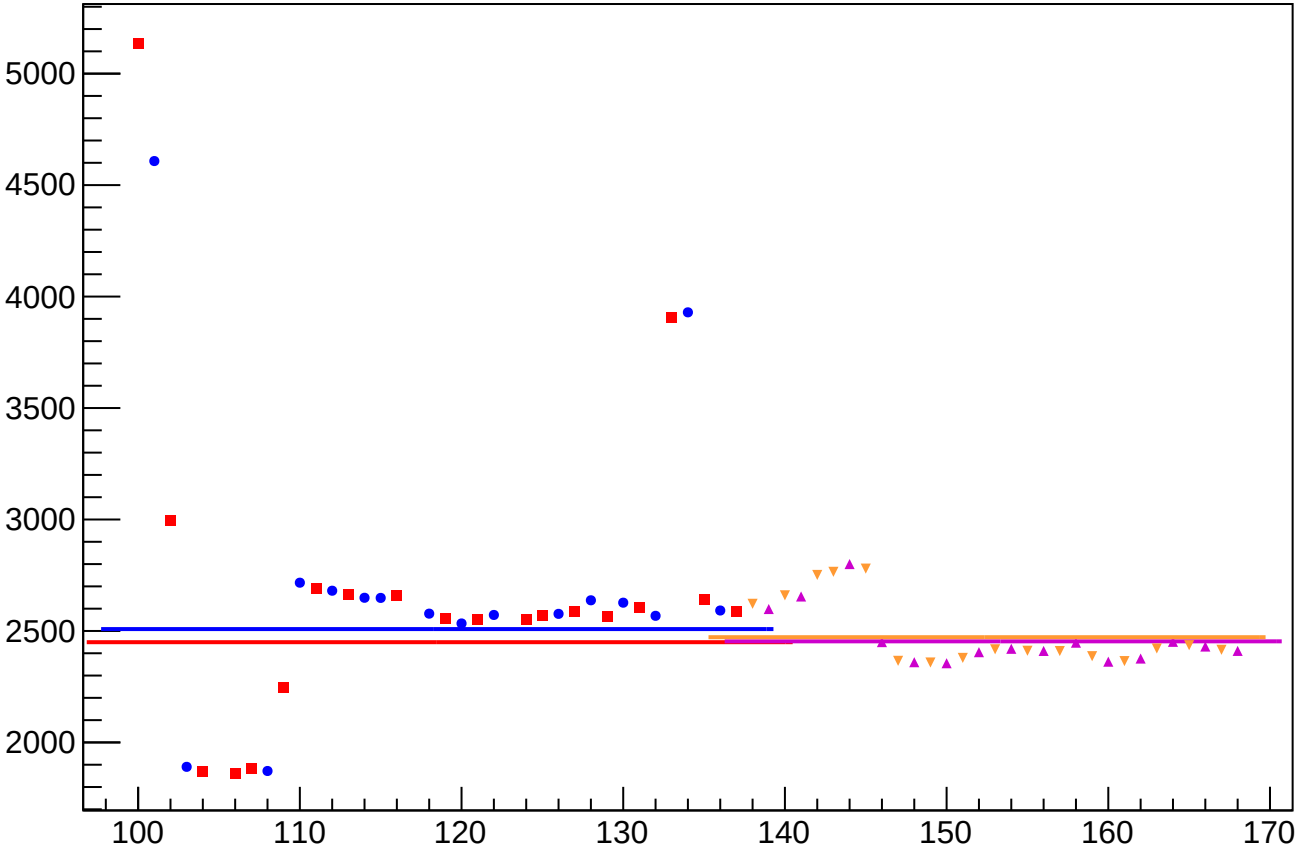
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3903.293+/-562.465 χ^2/NDF:15.2/30

Out: 908.818+/-555.774 χ^2/NDF:39.2/34

All: 2388.137+/-395.336 χ^2/NDF: 68.7/65

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2472.014+/-0.492 χ^2/NDF:81031.5/15

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2453.462+/-0.493 χ^2/NDF:55217.4/14

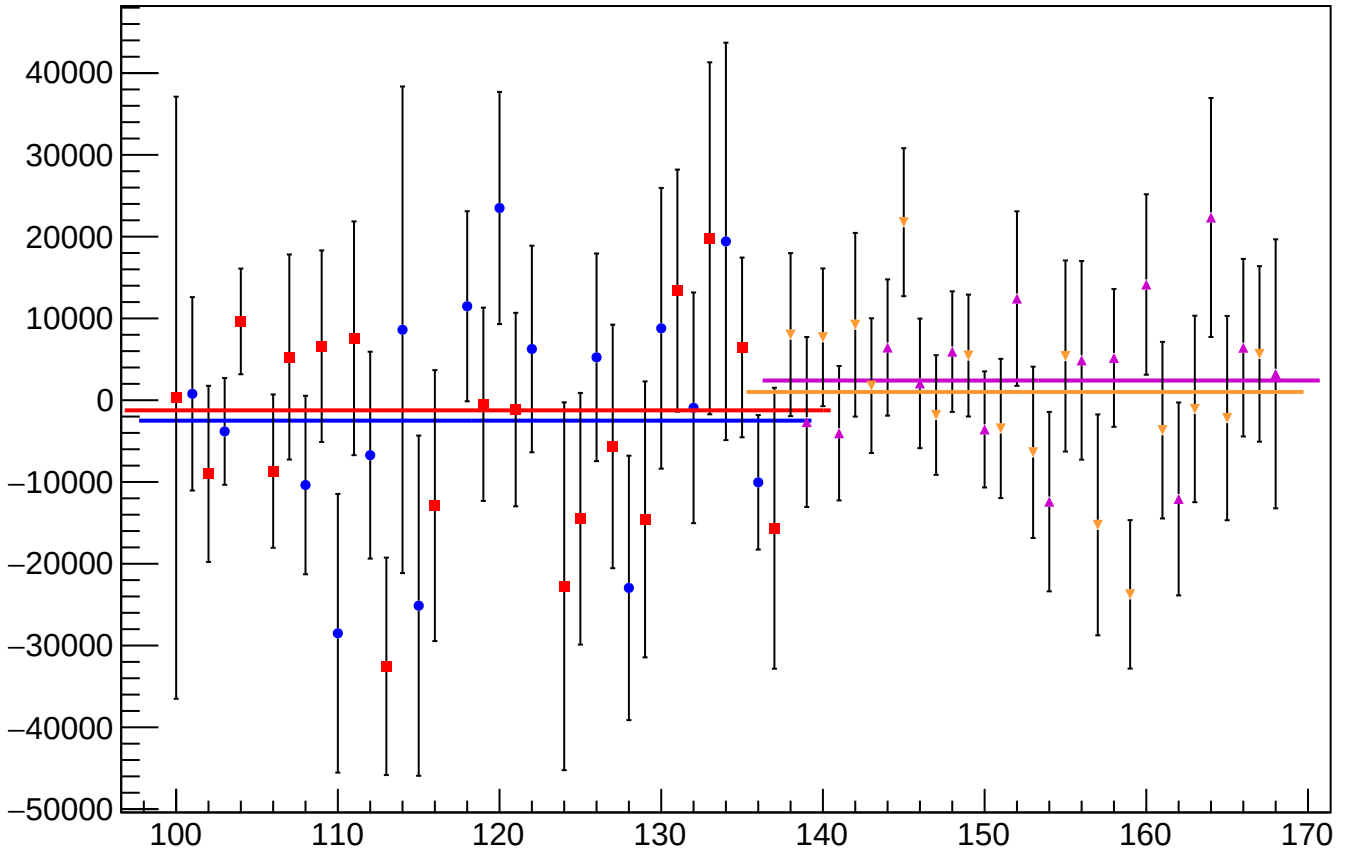
Left: 2462.747+/-0.348 χ^2/NDF: 136957.7/30

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2472.665+/-0.398 χ^2/NDF:671151.1/30

Out: 2463.889+/-0.393 χ^2/NDF:518627.4/34

All: 2468.224+/-0.280 χ^2/NDF: 1190024.9/65



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1009.411+/-2390.755 χ^2/NDF:17.7/15

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2407.891+/-2478.121 χ^2/NDF:9.5/14

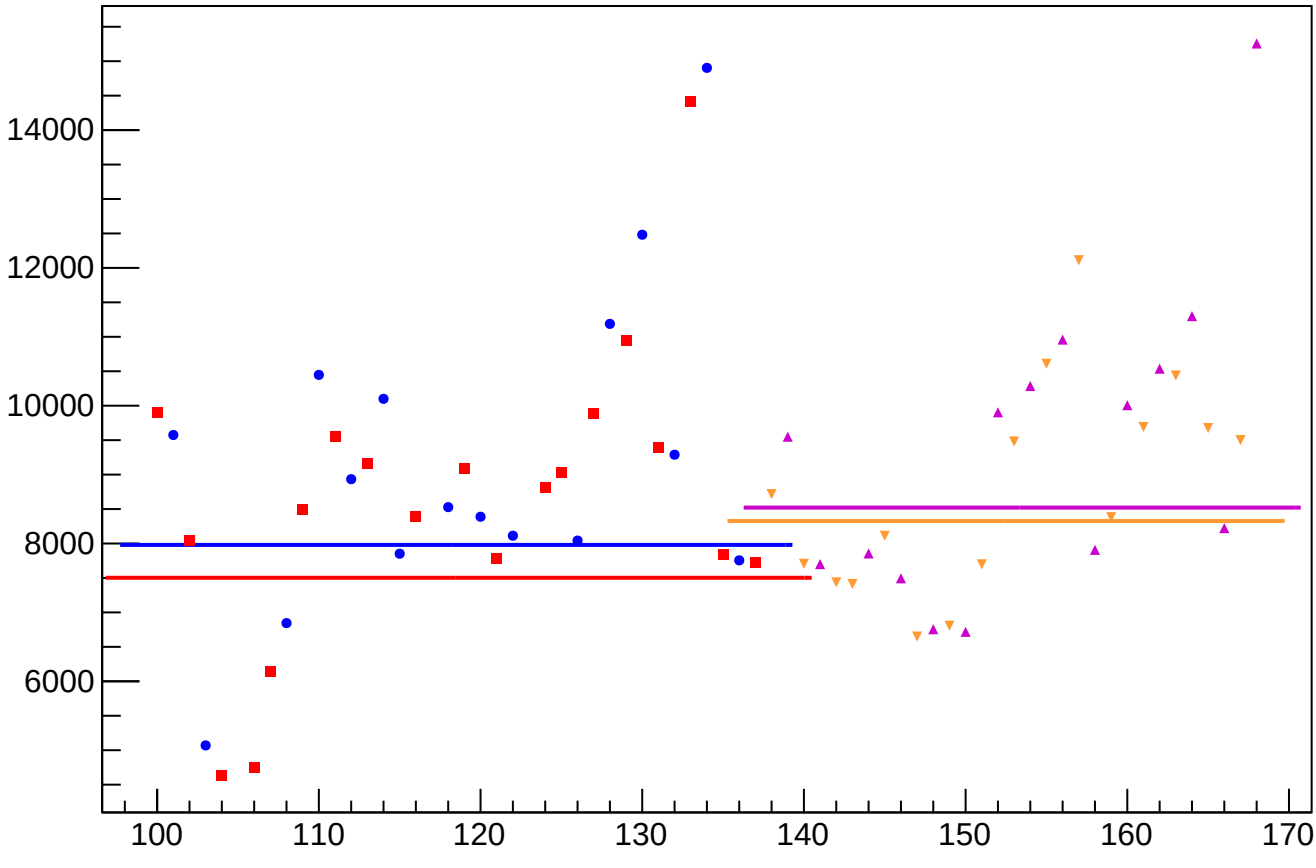
Left: 1683.565+/-1720.576 χ^2/NDF: 27.4/30

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 475.806+/-1929.693 χ^2/NDF:24.8/30

Out: 96.824+/-1843.023 χ^2/NDF:34.7/34

All: 277.614+/-1332.801 χ^2/NDF: 59.5/65



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8326.917+/-1.691 χ^2/NDF:657000.8/15

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8521.359+/-1.752 χ^2/NDF:1009969.7/14

Left: 8420.650+/-1.217 χ^2/NDF: 1673347.9/30

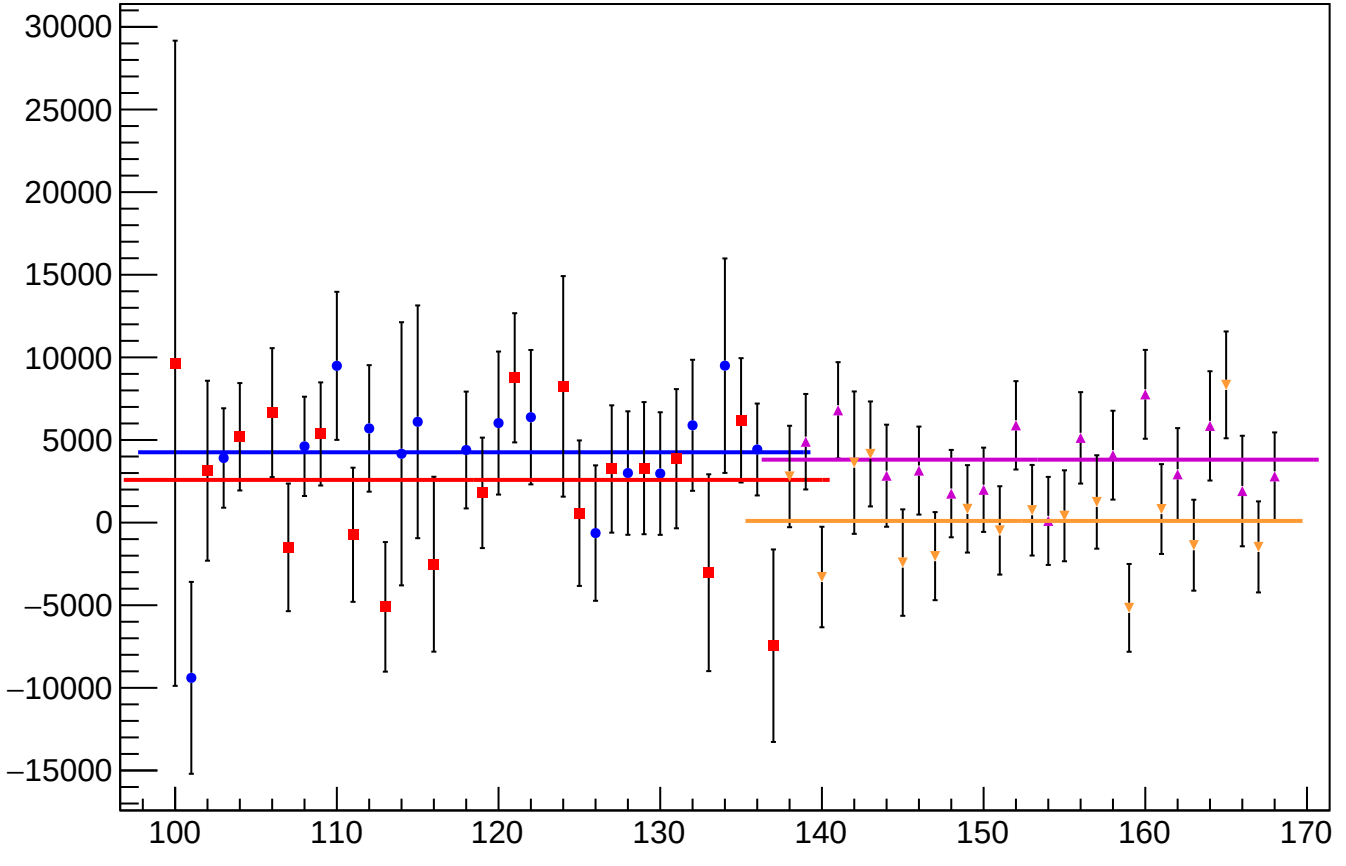
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8308.185+/-1.364 χ^2/NDF:1970352.2/30

Out: 7992.511+/-1.303 χ^2/NDF:1888970.5/34

All: 8143.100+/-0.942 χ^2/NDF: 3887312.6/65

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 102.687+/-722.863 χ^2/NDF:17.0/15

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3809.242+/-721.946 χ^2/NDF:8.4/14

Left: 1958.316+/-510.817 χ^2/NDF: 38.5/30

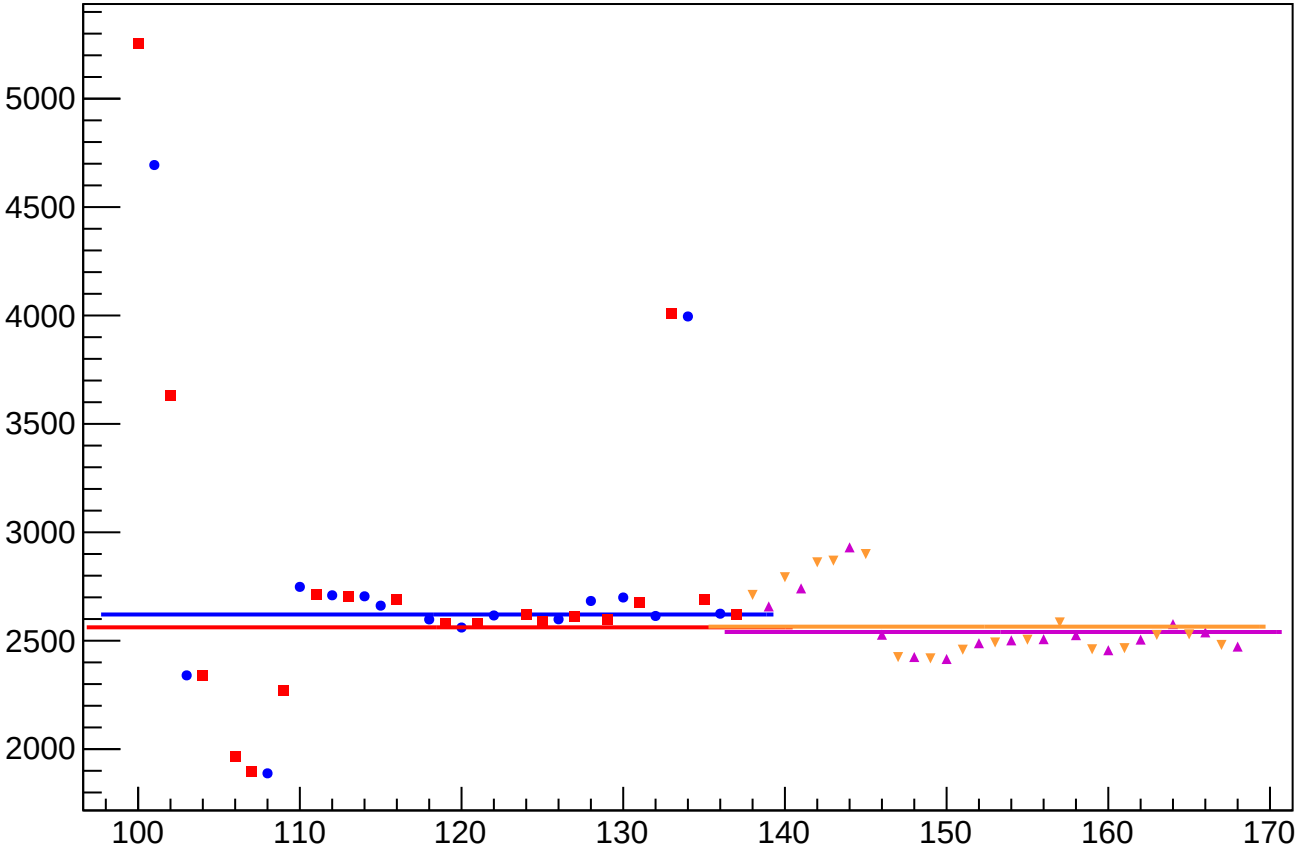
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3964.570+/-583.429 χ^2/NDF:18.5/30

Out: 993.565+/-578.771 χ^2/NDF:38.9/34

All: 2467.161+/-410.890 χ^2/NDF: 70.5/65

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2564.832+/-0.511 χ^2/NDF:90790.9/15

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2540.206+/-0.510 χ^2/NDF:58726.6/14

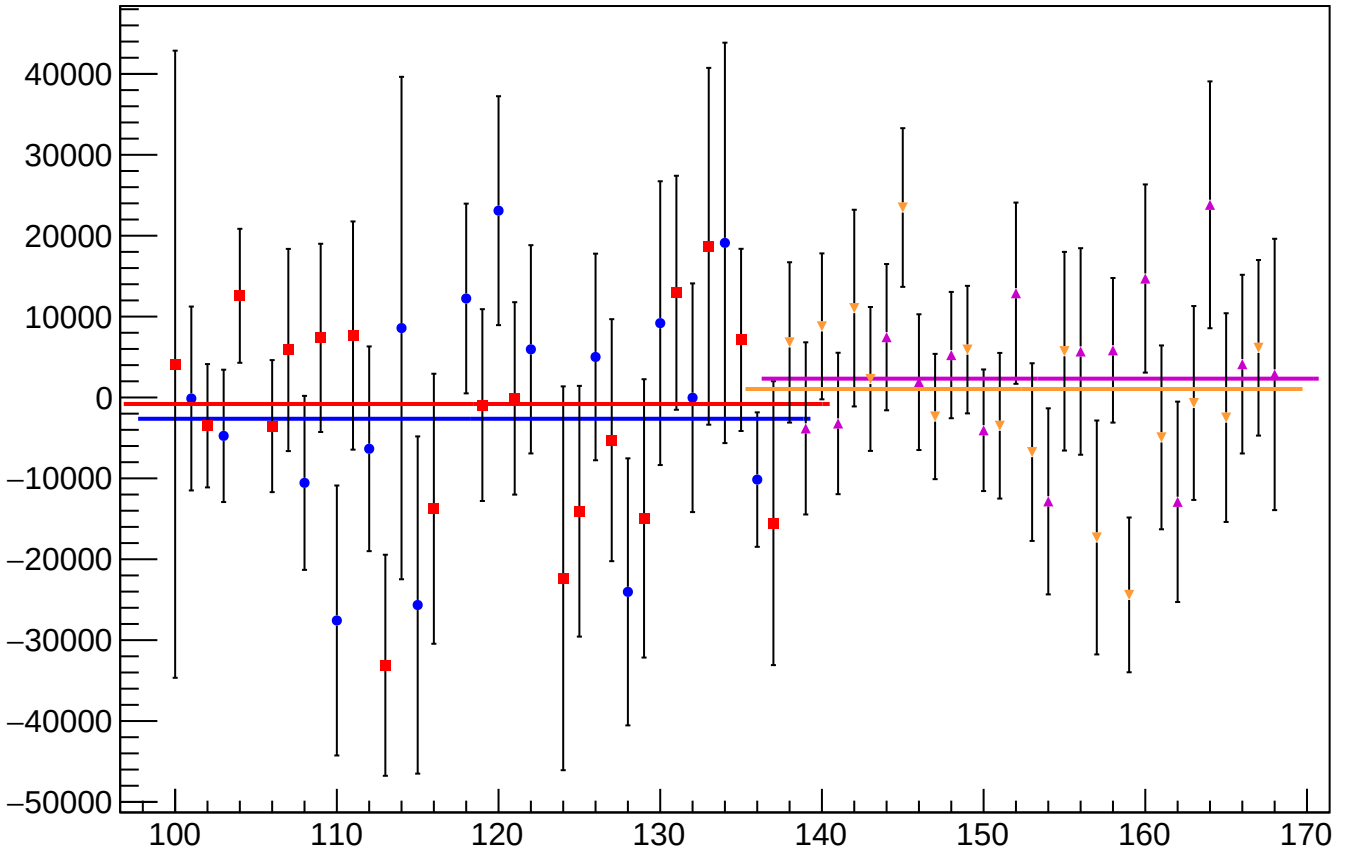
Left: 2552.503+/-0.361 χ^2/NDF: 150679.6/30

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2568.222+/-0.413 χ^2/NDF:553322.8/30

Out: 2563.713+/-0.409 χ^2/NDF:469063.7/34

All: 2565.949+/-0.291 χ^2/NDF: 1022446.7/65



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1048.648+/-2522.265 χ^2/NDF:17.8/15

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2326.576+/-2611.989 χ^2/NDF:9.4/14

Left: 1665.286+/-1814.402 χ^2/NDF: 27.3/30

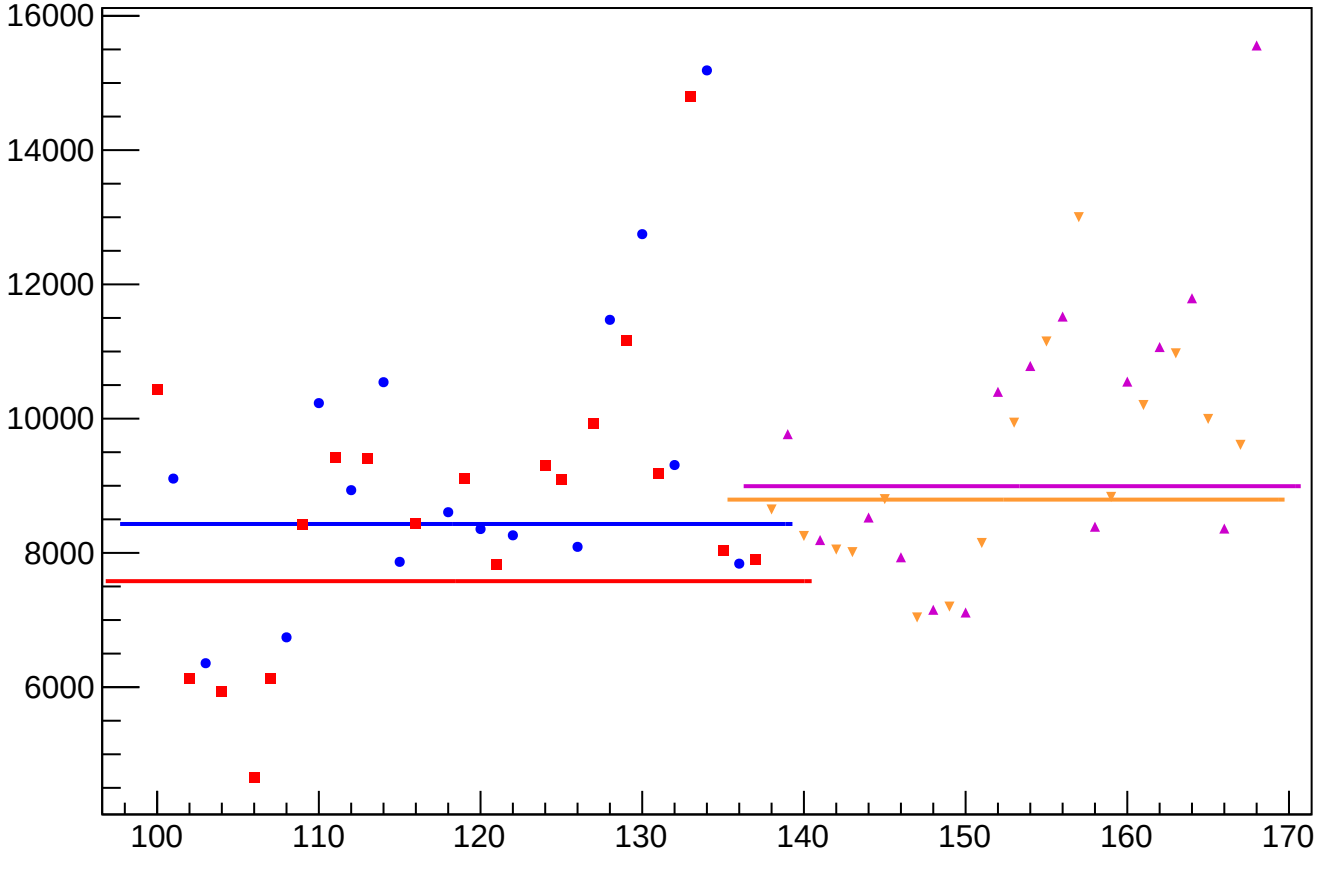
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: 352.441+/-2026.386 χ^2/NDF:24.7/30

Out: 242.721+/-1895.433 χ^2/NDF:33.4/34

All: 293.921+/-1384.255 χ^2/NDF: 58.1/65

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8793.899+/-1.784 χ^2/NDF:615589.7/15

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8993.912+/-1.847 χ^2/NDF:940641.7/14

Left: 8890.411+/-1.283 χ^2/NDF: 1562300.0/30

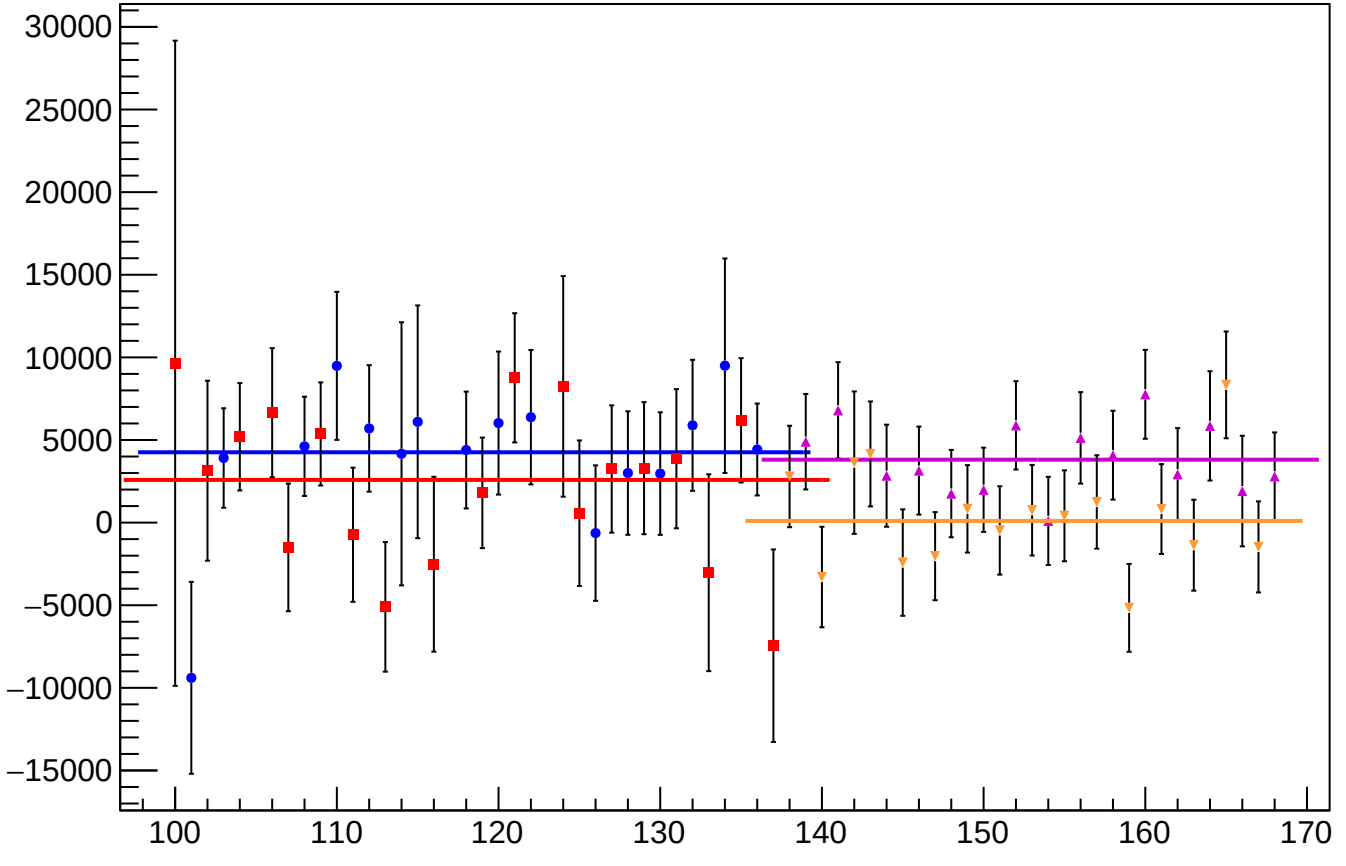
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8769.707+/-1.433 χ^2/NDF:1557949.7/30

Out: 8265.130+/-1.340 χ^2/NDF:1791652.7/34

All: 8500.589+/-0.979 χ^2/NDF: 3415741.0/65

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 102.668+/-722.864 χ^2/NDF:17.0/15

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3809.247+/-721.947 χ^2/NDF:8.4/14

Left: 1958.309+/-510.817 χ^2/NDF: 38.5/30

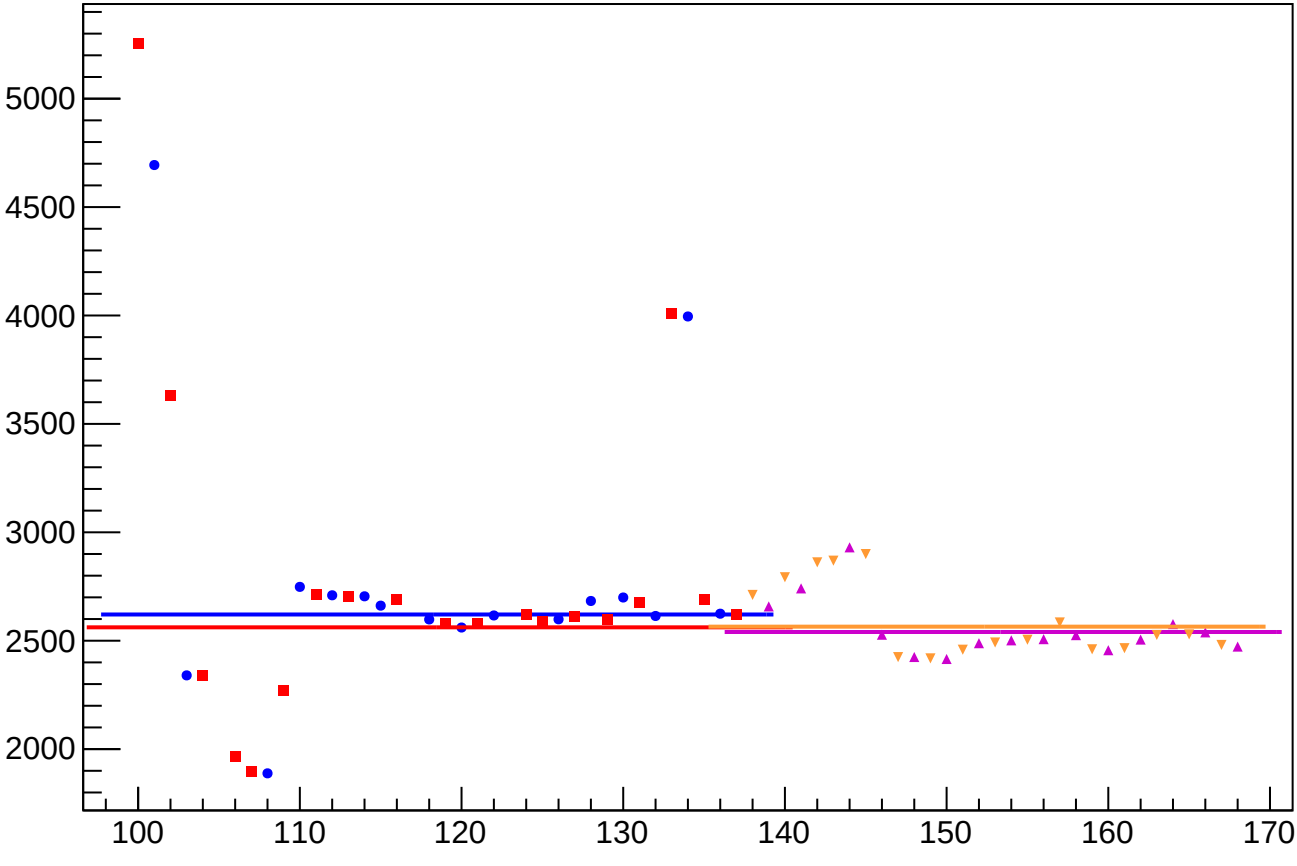
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3964.576+/-583.429 χ^2/NDF:18.5/30

Out: 993.558+/-578.772 χ^2/NDF:38.9/34

All: 2467.161+/-410.890 χ^2/NDF: 70.5/65

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2564.834+/-0.511 χ^2/NDF:90790.7/15

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2540.208+/-0.510 χ^2/NDF:58726.2/14

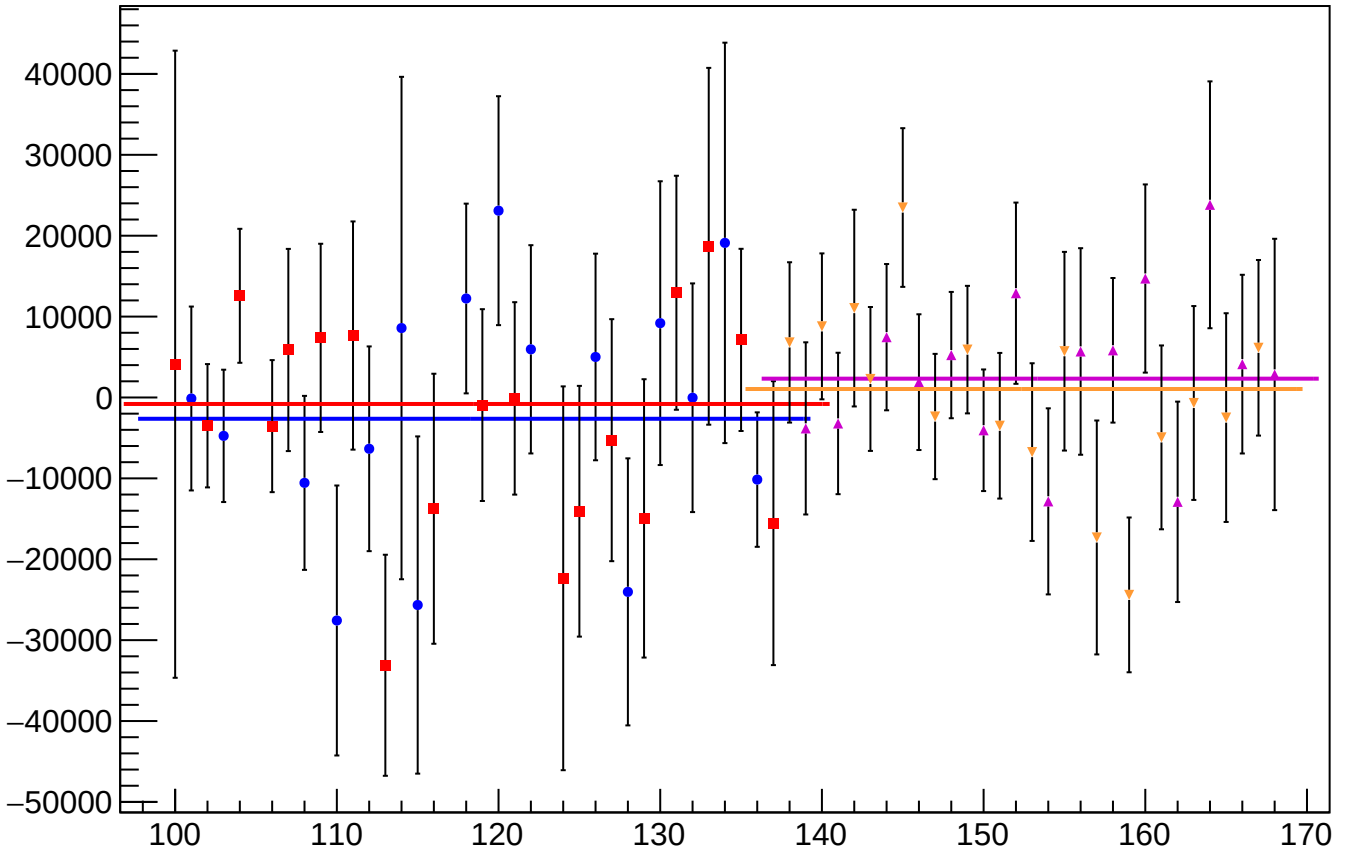
Left: 2552.506+/-0.361 χ^2/NDF: 150678.9/30

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2568.224+/-0.413 χ^2/NDF:553321.8/30

Out: 2563.715+/-0.409 χ^2/NDF:469062.9/34

All: 2565.951+/-0.291 χ^2/NDF: 1022445.0/65



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1048.640+/-2522.270 χ^2/NDF:17.8/15

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2326.573+/-2611.994 χ^2/NDF:9.4/14

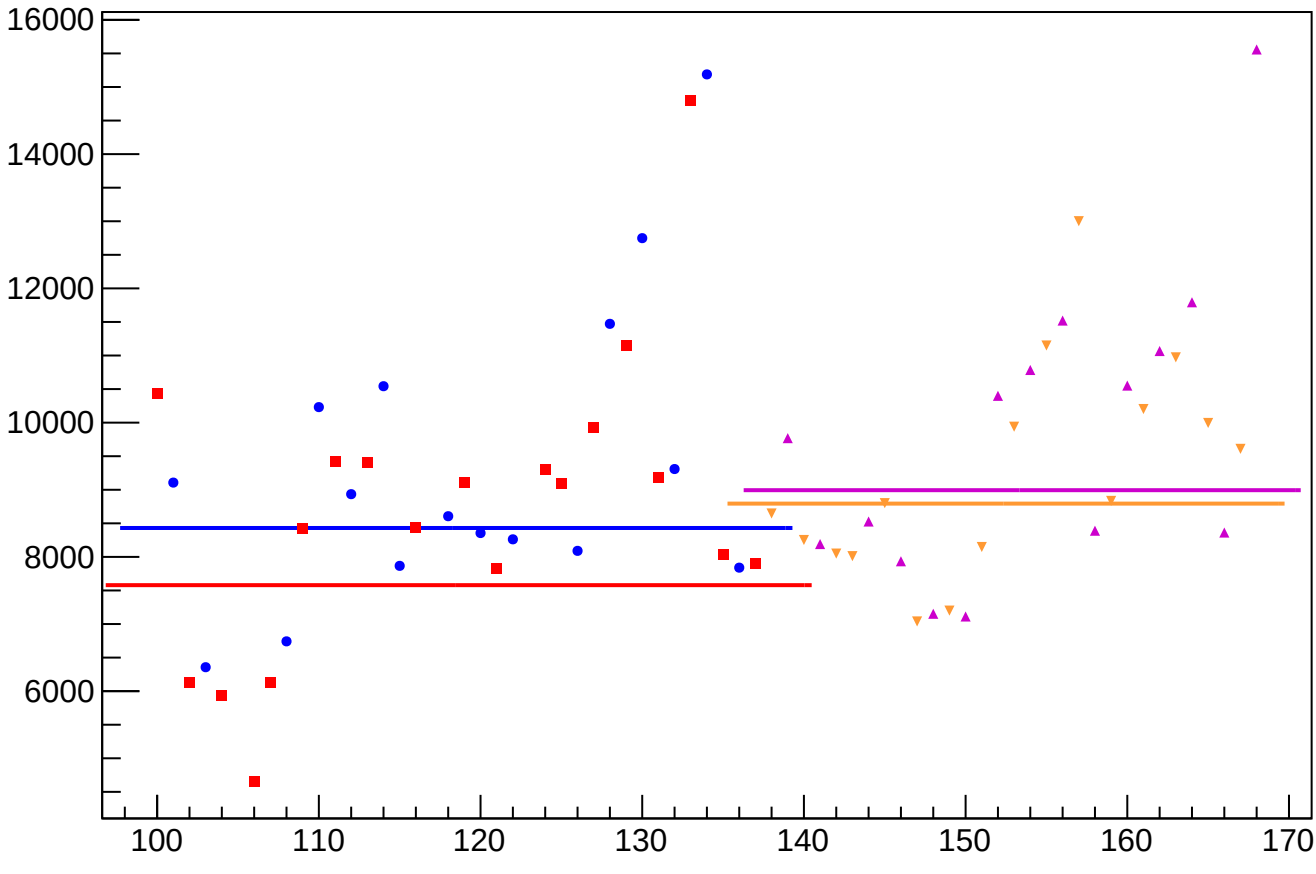
Left: 1665.281+/-1814.405 χ^2/NDF: 27.3/30

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 352.445+/-2026.387 χ^2/NDF:24.7/30

Out: 242.715+/-1895.434 χ^2/NDF:33.4/34

All: 293.920+/-1384.256 χ^2/NDF: 58.1/65



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8793.913+/-1.784 χ^2/NDF:615590.8/15

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8993.927+/-1.847 χ^2/NDF:940642.1/14

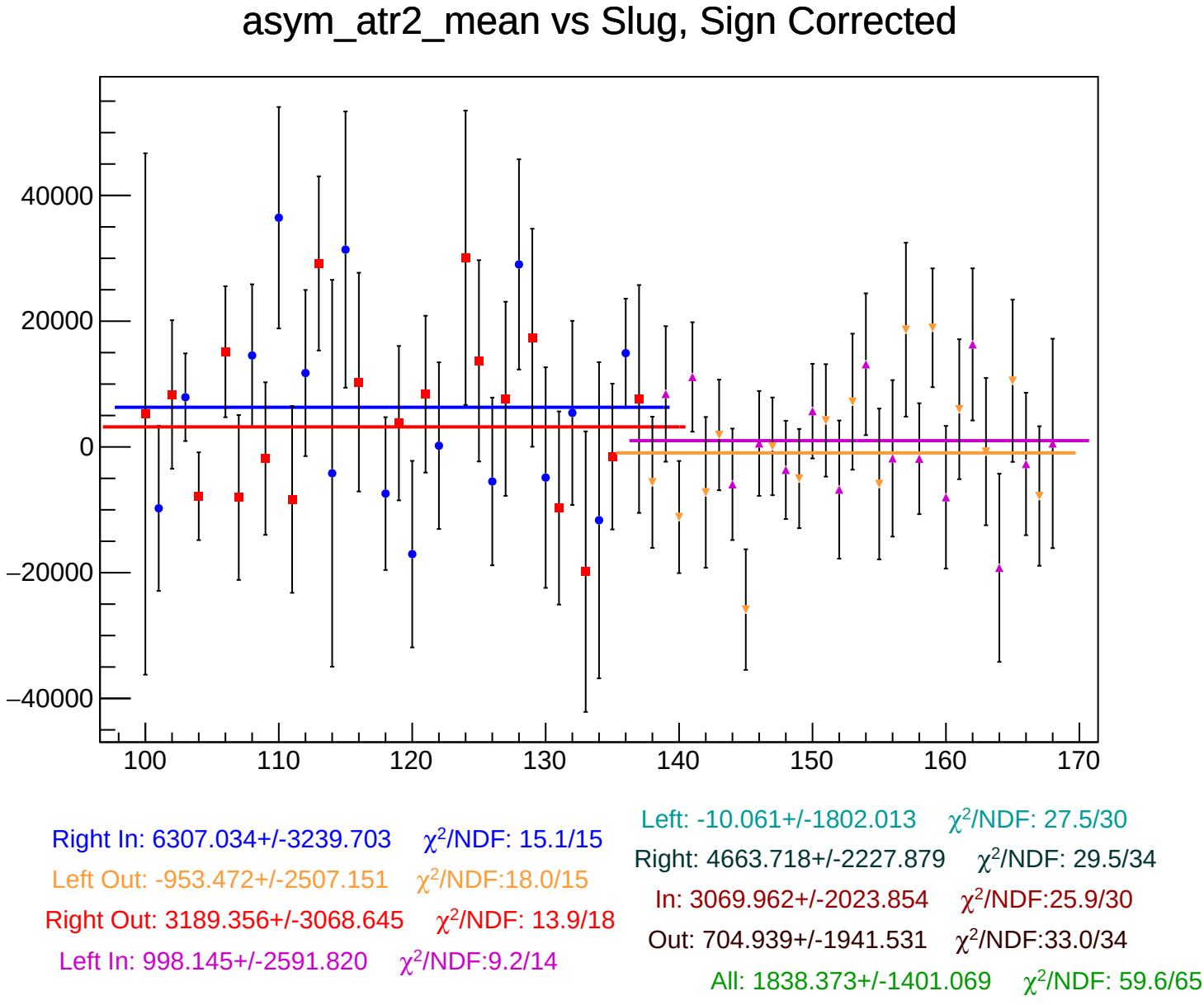
Left: 8890.426+/-1.283 χ^2/NDF: 1562301.5/30

Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

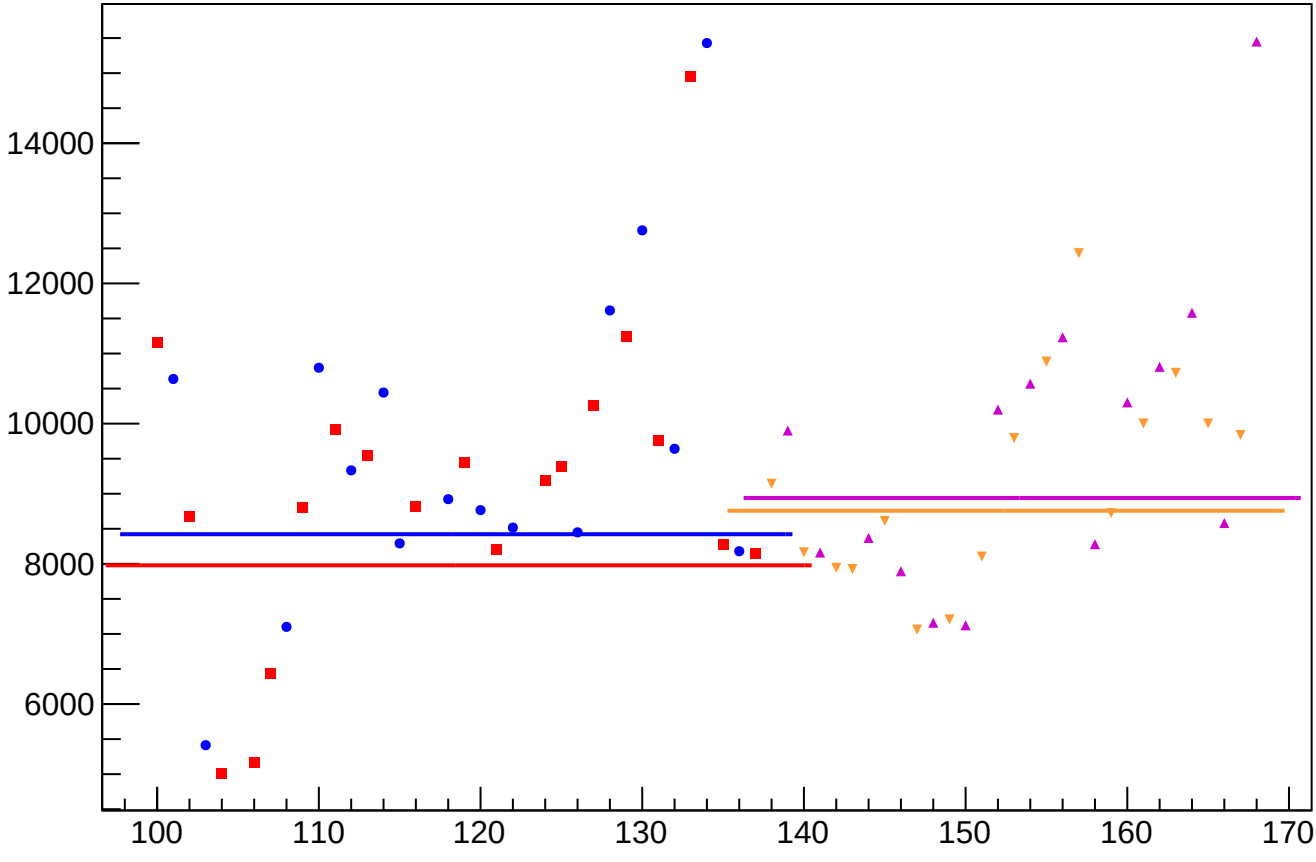
In: 8769.711+/-1.433 χ^2/NDF:1557947.6/30

Out: 8265.131+/-1.340 χ^2/NDF:1791659.0/34

All: 8500.591+/-0.979 χ^2/NDF: 3415745.8/65


asym_atr2_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: 6307.034+/-3239.703 χ²/NDF: 15.1/15
Left Out: -953.472+/-2507.151 χ²/NDF:18.0/15
Right Out: 3189.356+/-3068.645 χ²/NDF: 13.9/18
Left In: 998.145+/-2591.820 χ²/NDF:9.2/14
Left: -10.061+/-1802.013 χ²/NDF: 27.5/30
Right: 4663.718+/-2227.879 χ²/NDF: 29.5/34
In: 3069.962+/-2023.854 χ²/NDF:25.9/30
Out: 704.939+/-1941.531 χ²/NDF:33.0/34
All: 1838.373+/-1401.069 χ²/NDF: 59.6/65

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8757.898+/-1.773 χ^2/NDF:563994.5/15

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8939.985+/-1.833 χ^2/NDF:885730.1/14

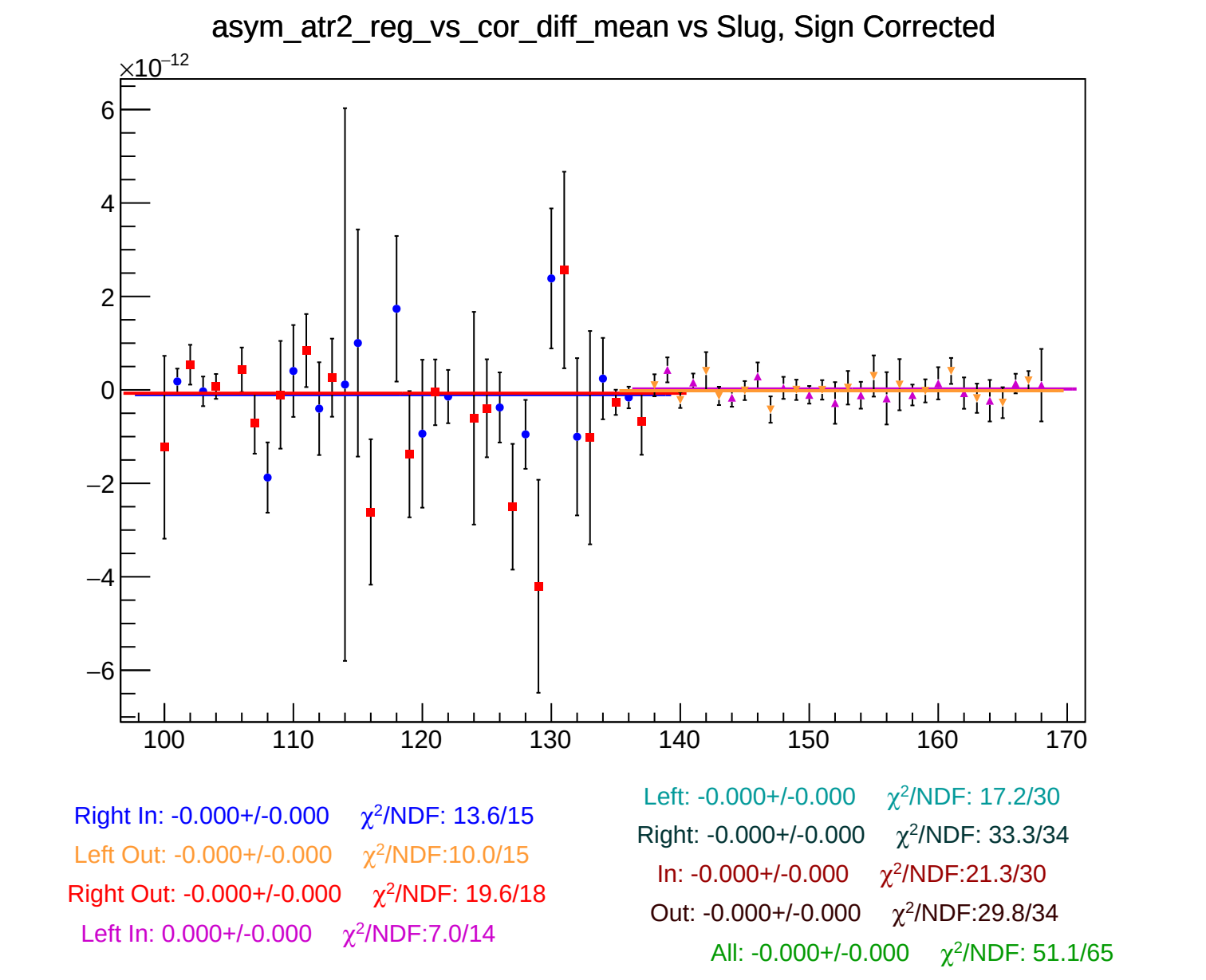
Left: 8845.919+/-1.274 χ^2/NDF: 1454824.1/30

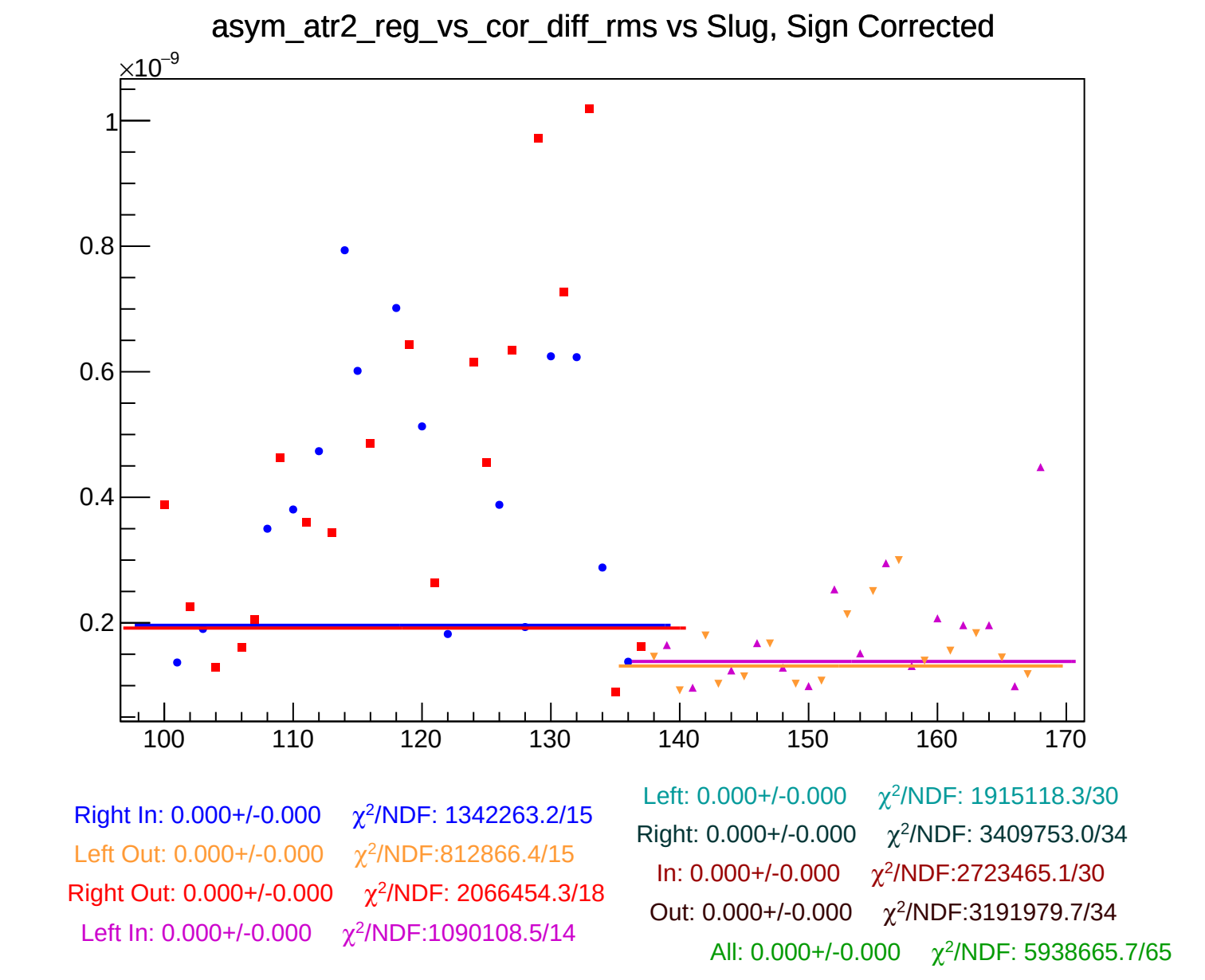
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

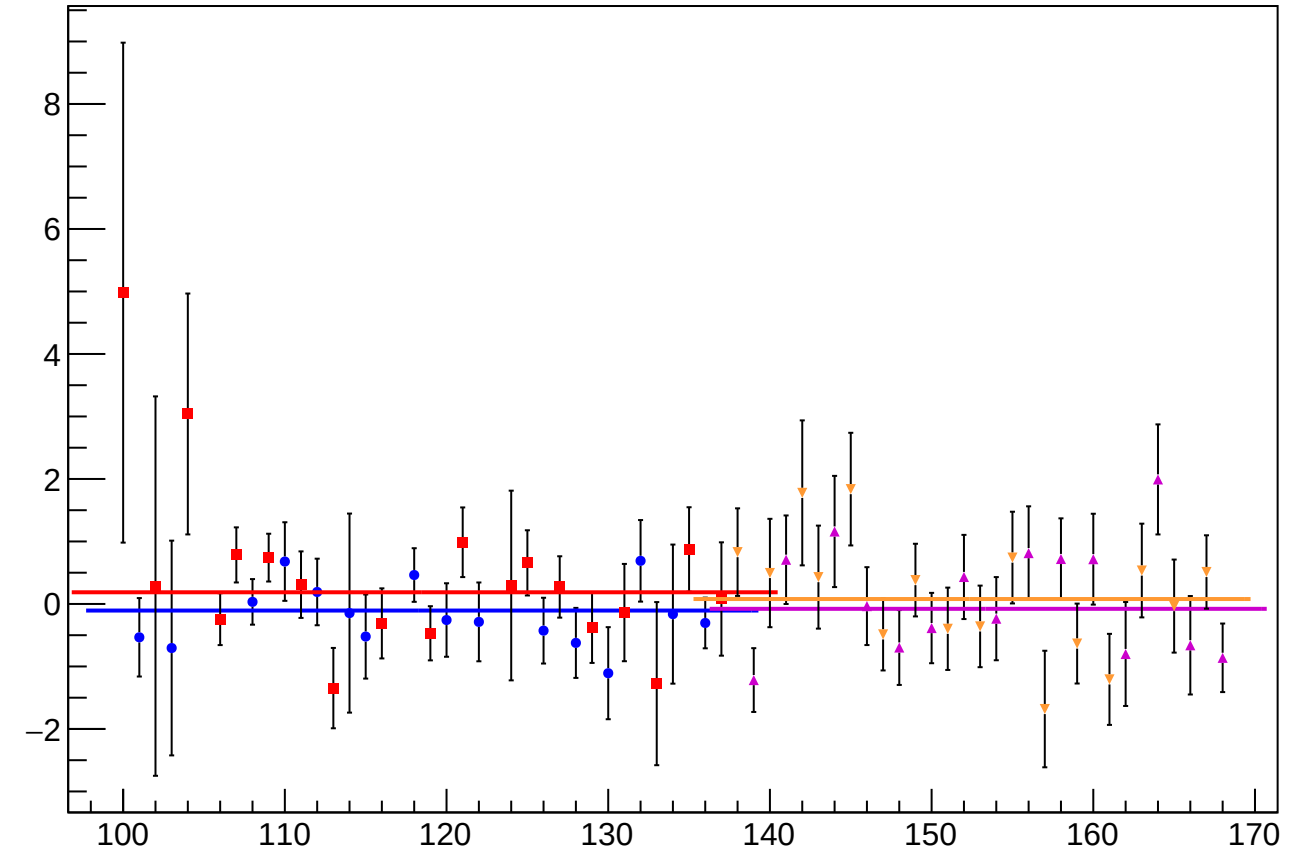
In: 8738.119+/-1.431 χ^2/NDF:1798652.3/30

Out: 8446.090+/-1.373 χ^2/NDF:1657288.5/34

All: 8586.043+/-0.991 χ^2/NDF: 3477625.7/65


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:10.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:7.0/14
Left: -0.000+/-0.000 χ²/NDF: 17.2/30
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:21.3/30
Out: -0.000+/-0.000 χ²/NDF:29.8/34
All: -0.000+/-0.000 χ²/NDF: 51.1/65


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:812866.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1090108.5/14
Left: 0.000+/-0.000 χ²/NDF: 1915118.3/30
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2723465.1/30
Out: 0.000+/-0.000 χ²/NDF:3191979.7/34
All: 0.000+/-0.000 χ²/NDF: 5938665.7/65



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.078+/-0.172 χ^2/NDF:23.1/14

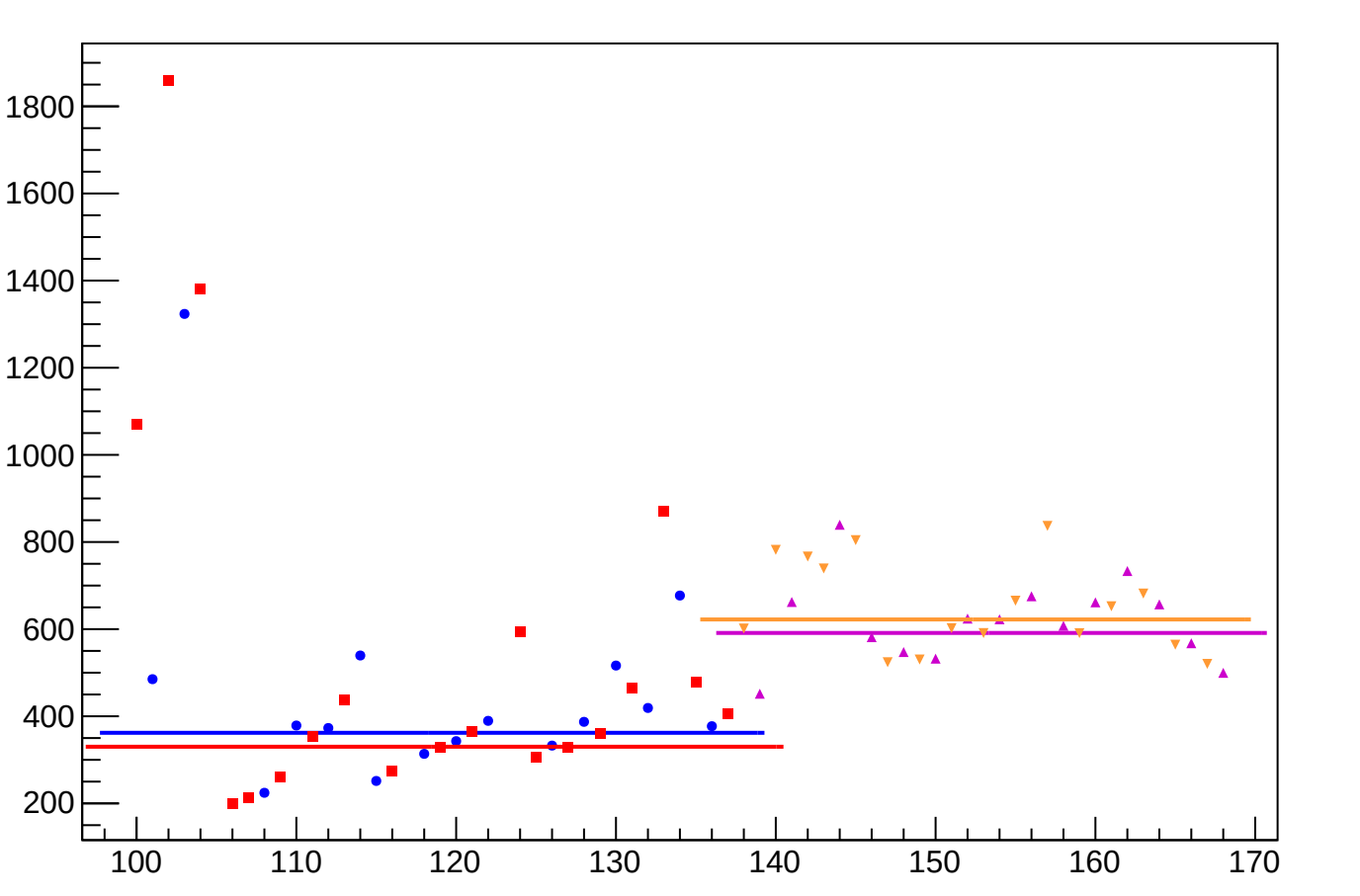
Left: -0.003+/-0.124 χ^2/NDF: 42.9/30

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.094+/-0.111 χ^2/NDF:32.9/30

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.028+/-0.078 χ^2/NDF: 78.7/65



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 622.206+/-0.126 χ^2/NDF:543245.9/15

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 591.250+/-0.122 χ^2/NDF:539987.3/14

Left: 606.123+/-0.088 χ^2/NDF: 1114349.1/30

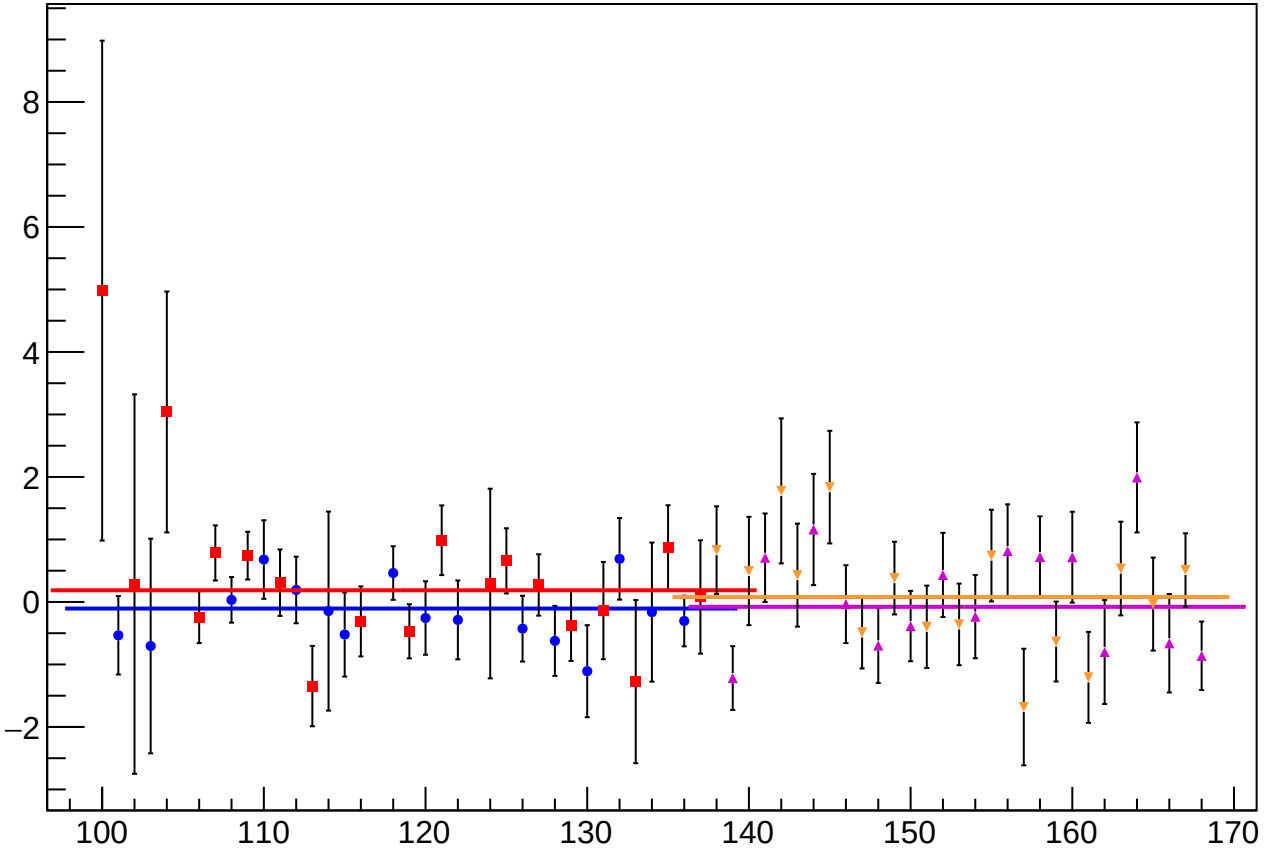
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 457.001+/-0.078 χ^2/NDF:3996928.0/30

Out: 438.486+/-0.077 χ^2/NDF:6143904.4/34

All: 447.596+/-0.055 χ^2/NDF: 10169239.7/65

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: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.078+/-0.172 χ^2/NDF:23.1/14

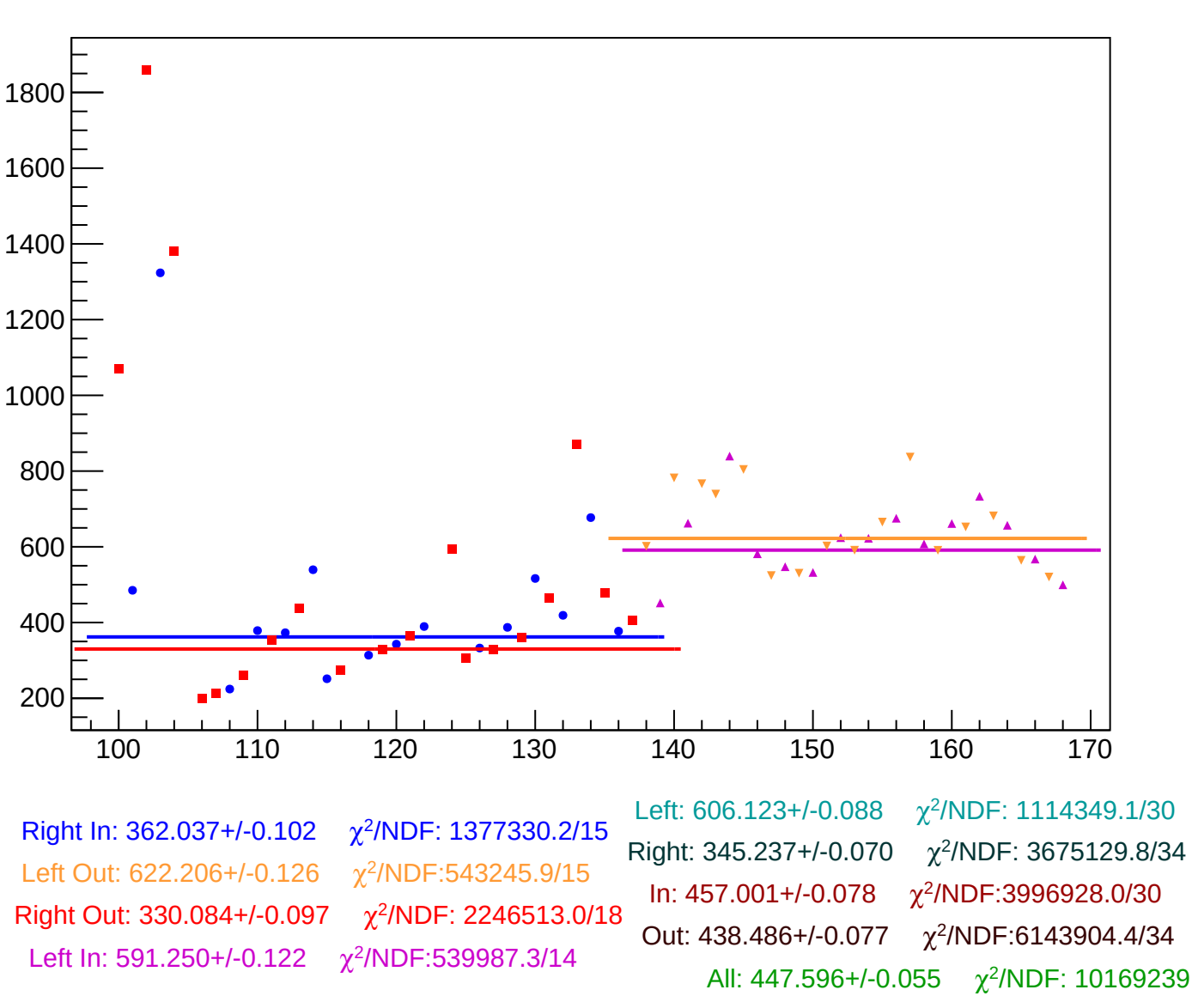
Left: -0.003+/-0.124 χ^2/NDF: 42.9/30

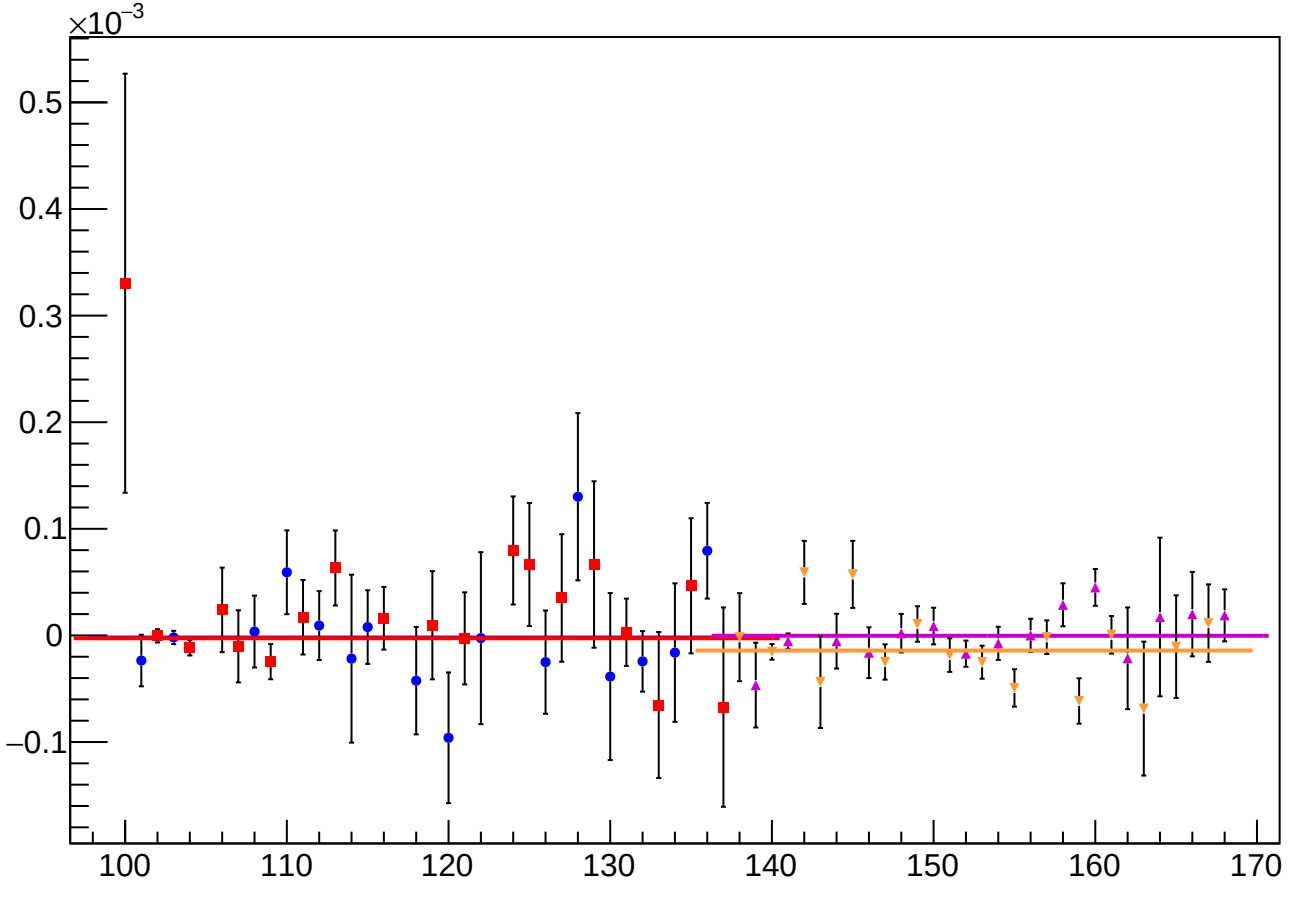
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.094+/-0.111 χ^2/NDF:32.9/30

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.028+/-0.078 χ^2/NDF: 78.7/65


asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 362.037+/-0.102 χ²/NDF: 1377330.2/15
Left Out: 622.206+/-0.126 χ²/NDF:543245.9/15
Right Out: 330.084+/-0.097 χ²/NDF: 2246513.0/18
Left In: 591.250+/-0.122 χ²/NDF:539987.3/14
Left: 606.123+/-0.088 χ²/NDF: 1114349.1/30
Right: 345.237+/-0.070 χ²/NDF: 3675129.8/34
In: 457.001+/-0.078 χ²/NDF:3996928.0/30
Out: 438.486+/-0.077 χ²/NDF:6143904.4/34
All: 447.596+/-0.055 χ²/NDF: 10169239.7/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/14

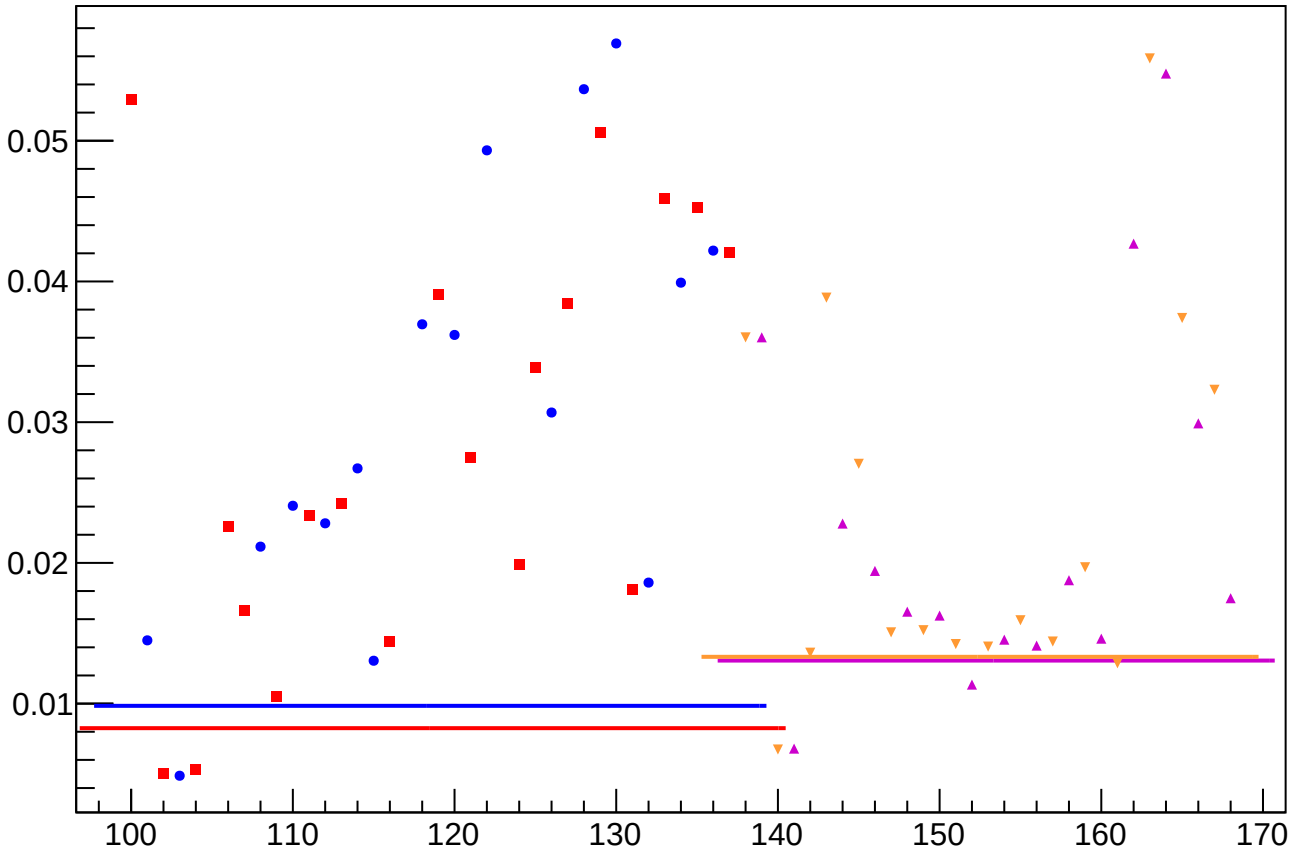
Left: -0.000+/-0.000 χ^2/NDF: 46.5/30

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:28.6/30

Out: -0.000+/-0.000 χ^2/NDF:48.4/34

All: -0.000+/-0.000 χ^2/NDF: 79.6/65



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5545037.2/15

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4805774.9/14

Left: 0.013+/-0.000 χ^2/NDF: 10354523.1/30

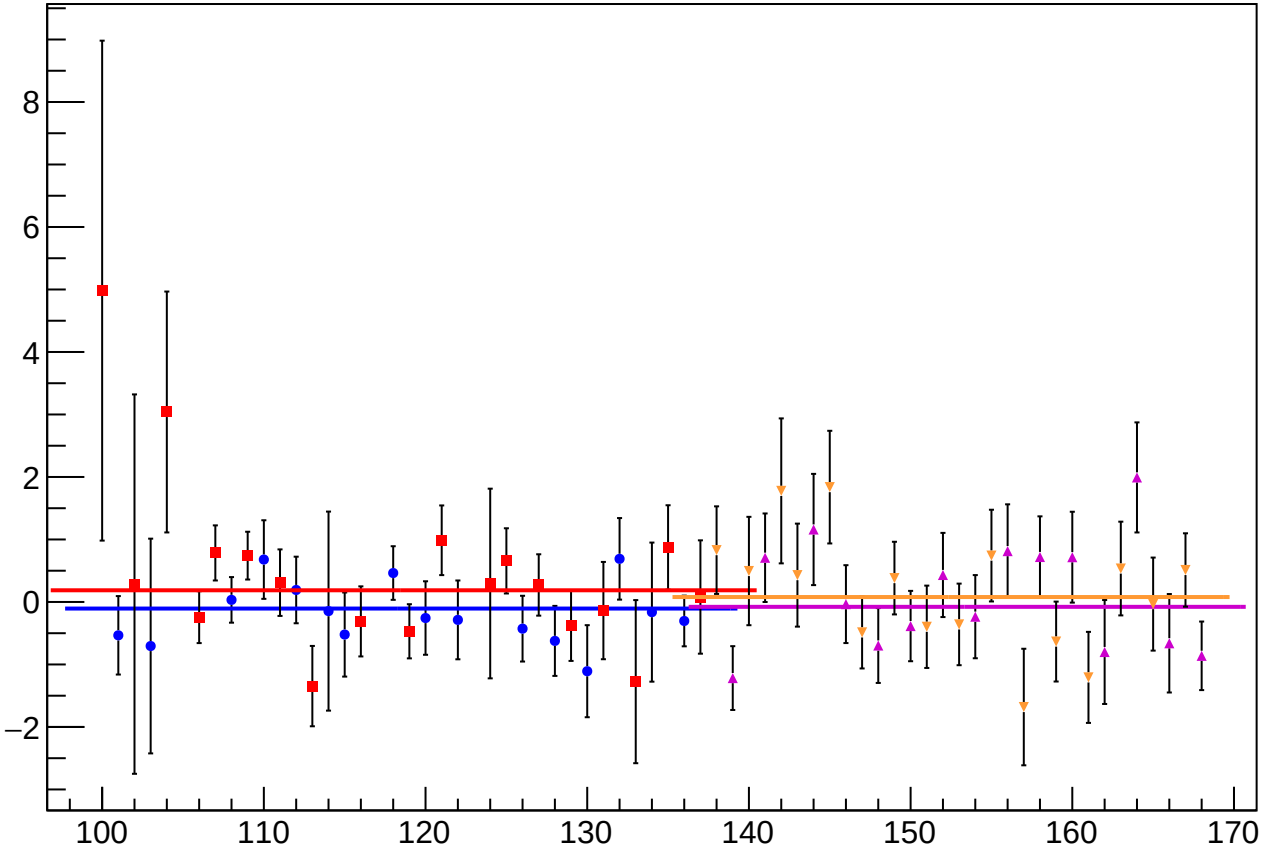
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12288462.9/30

Out: 0.011+/-0.000 χ^2/NDF:13663131.0/34

All: 0.011+/-0.000 χ^2/NDF: 26071733.5/65

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: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.078+/-0.172 χ^2/NDF:23.1/14

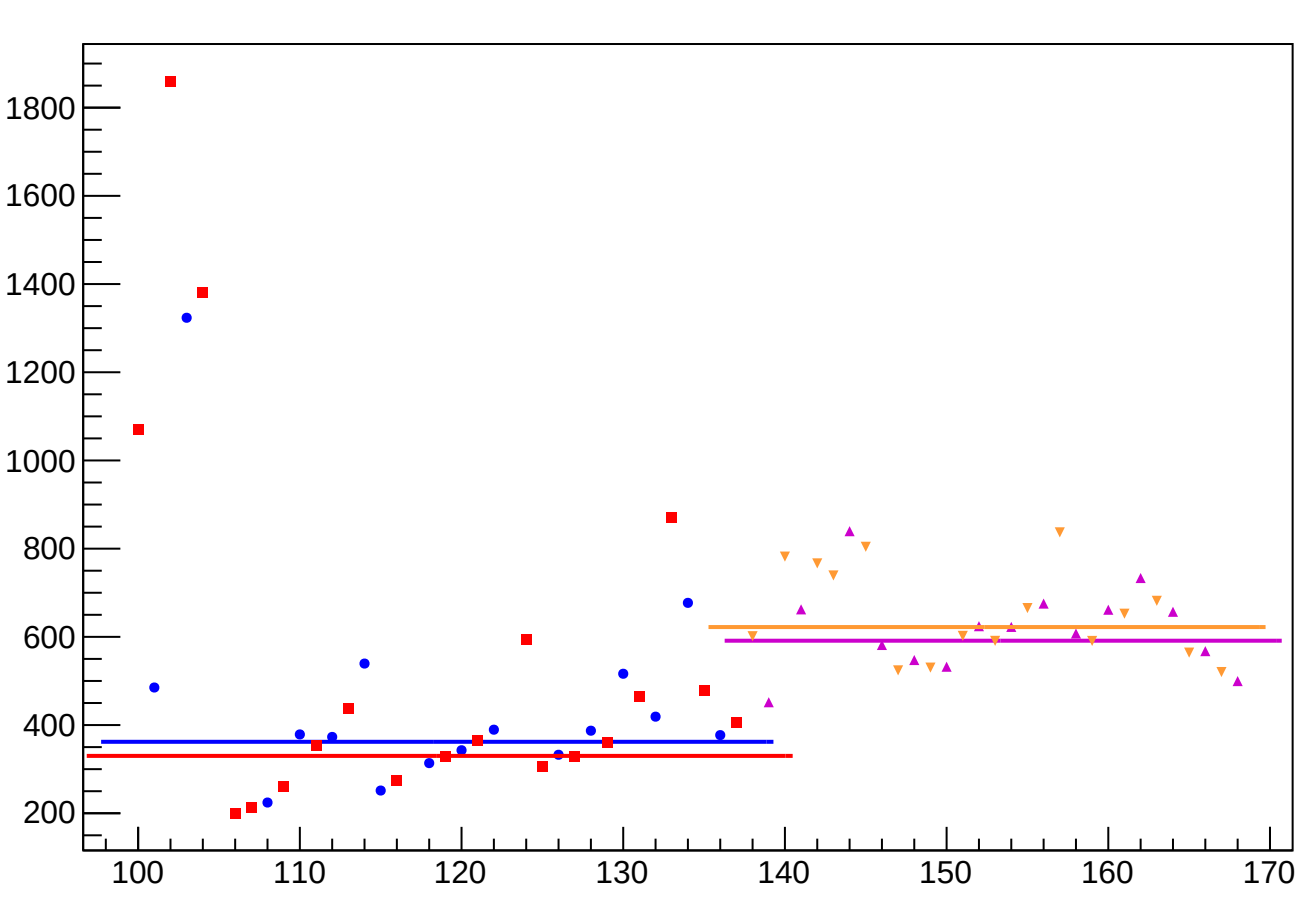
Left: -0.003+/-0.124 χ^2/NDF: 42.9/30

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.094+/-0.111 χ^2/NDF:32.9/30

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.028+/-0.078 χ^2/NDF: 78.7/65



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 622.217+/-0.126 χ^2/NDF:543231.8/15

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 591.260+/-0.122 χ^2/NDF:539967.7/14

Left: 606.133+/-0.088 χ^2/NDF: 1114315.2/30

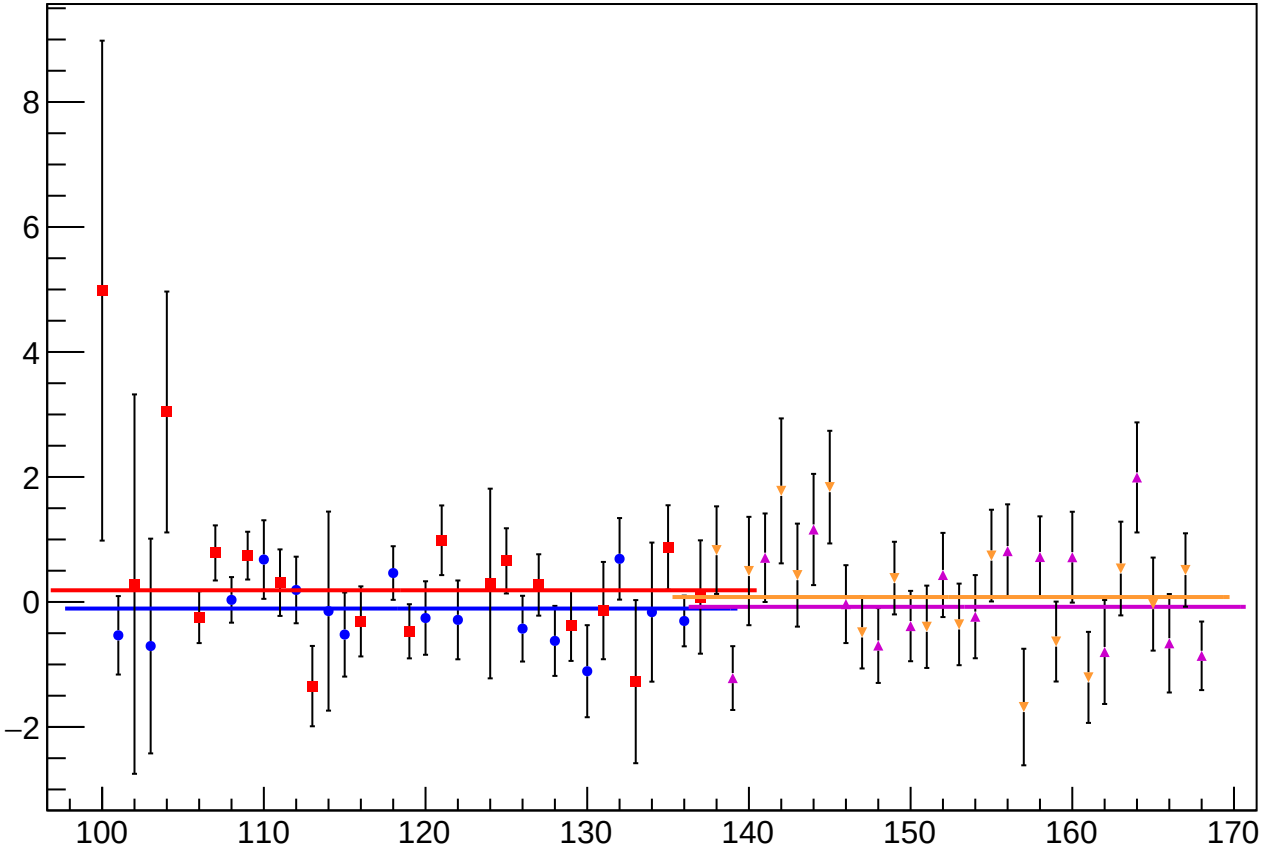
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.001+/-0.078 χ^2/NDF:3997112.5/30

Out: 438.486+/-0.077 χ^2/NDF:6144092.4/34

All: 447.596+/-0.055 χ^2/NDF: 10169611.1/65

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: 0.079+/-0.179 χ^2/NDF:19.4/15

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.078+/-0.172 χ^2/NDF:23.1/14

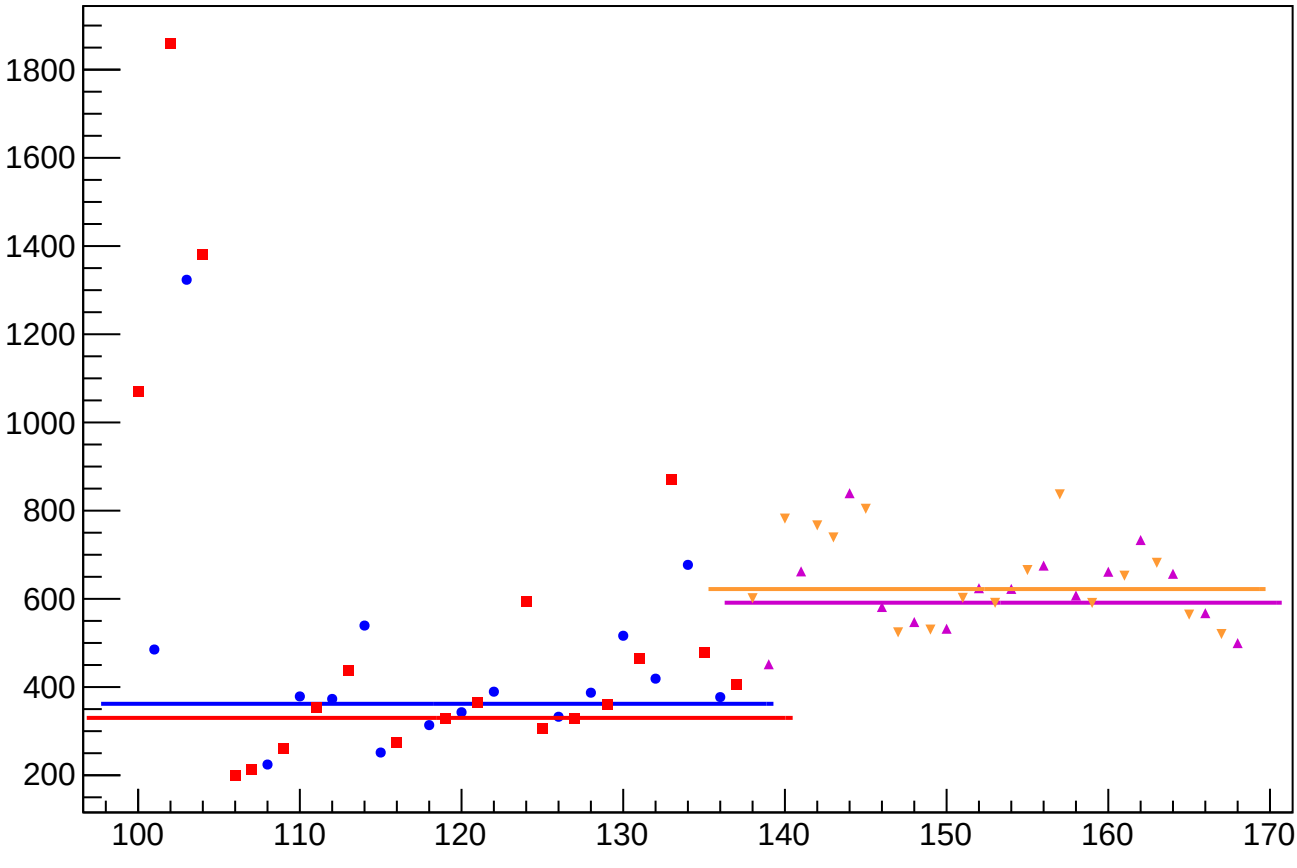
Left: -0.003+/-0.124 χ^2/NDF: 42.9/30

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.094+/-0.111 χ^2/NDF:32.9/30

Out: 0.147+/-0.109 χ^2/NDF:43.5/34

All: 0.028+/-0.078 χ^2/NDF: 78.7/65



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 622.217+/-0.126 χ^2/NDF:543231.8/15

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 591.260+/-0.122 χ^2/NDF:539967.7/14

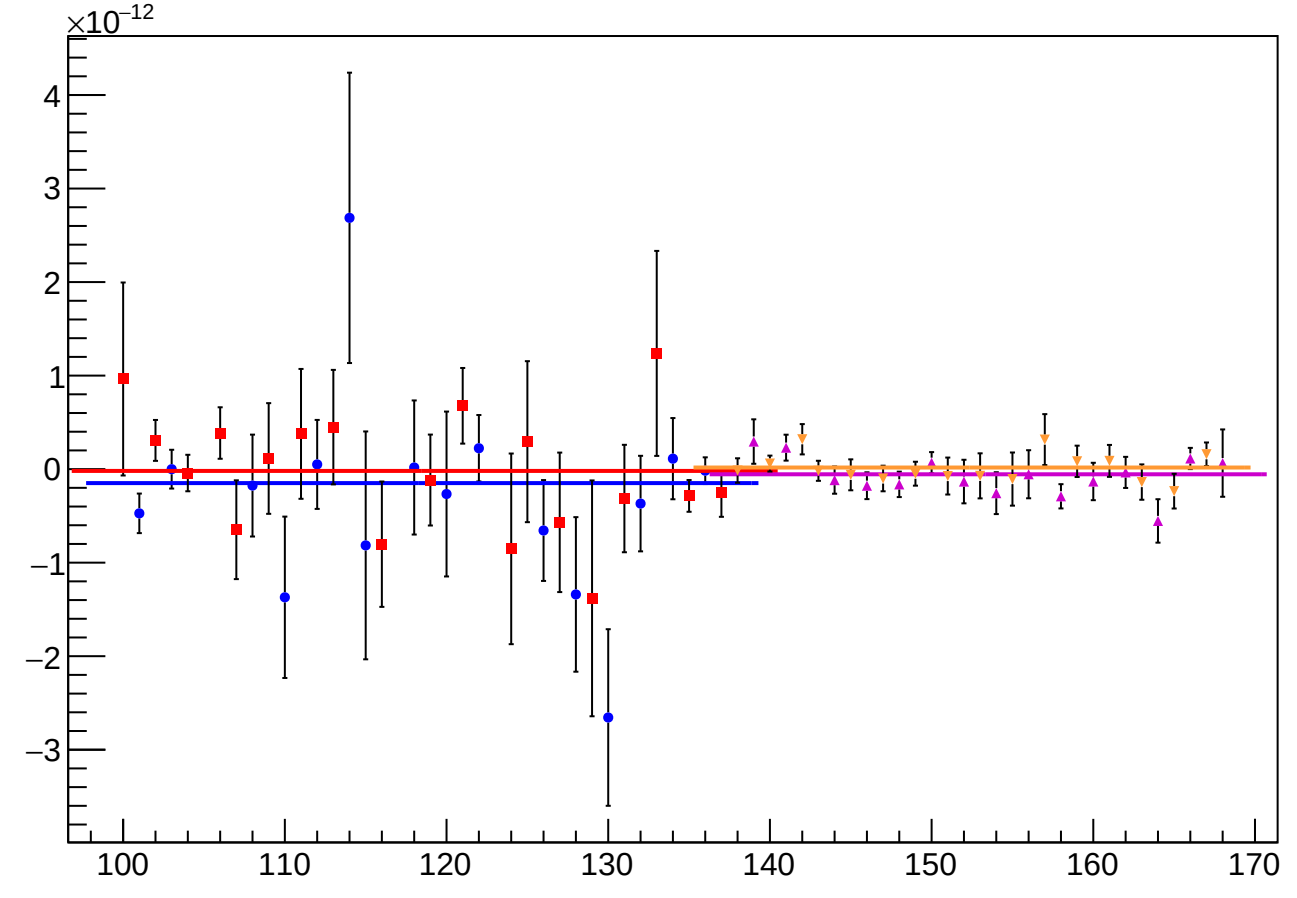
Left: 606.133+/-0.088 χ^2/NDF: 1114315.2/30

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 457.001+/-0.078 χ^2/NDF:3997112.5/30

Out: 438.486+/-0.077 χ^2/NDF:6144092.4/34

All: 447.596+/-0.055 χ^2/NDF: 10169611.1/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:20.4/14

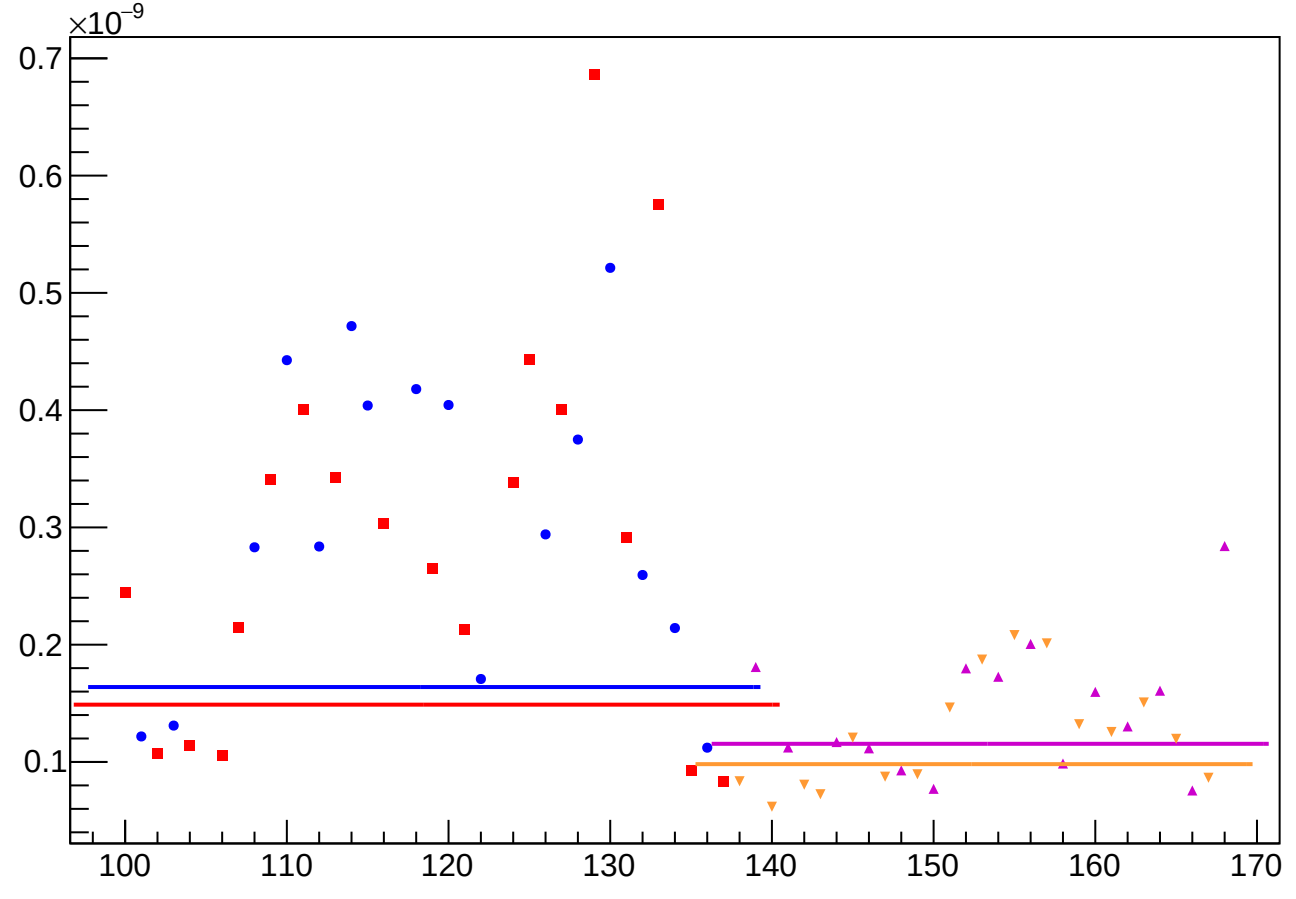
Left: -0.000+/-0.000 χ^2/NDF: 33.1/30

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:42.6/30

Out: 0.000+/-0.000 χ^2/NDF:30.6/34

All: -0.000+/-0.000 χ^2/NDF: 76.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1898265.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1849636.9/14

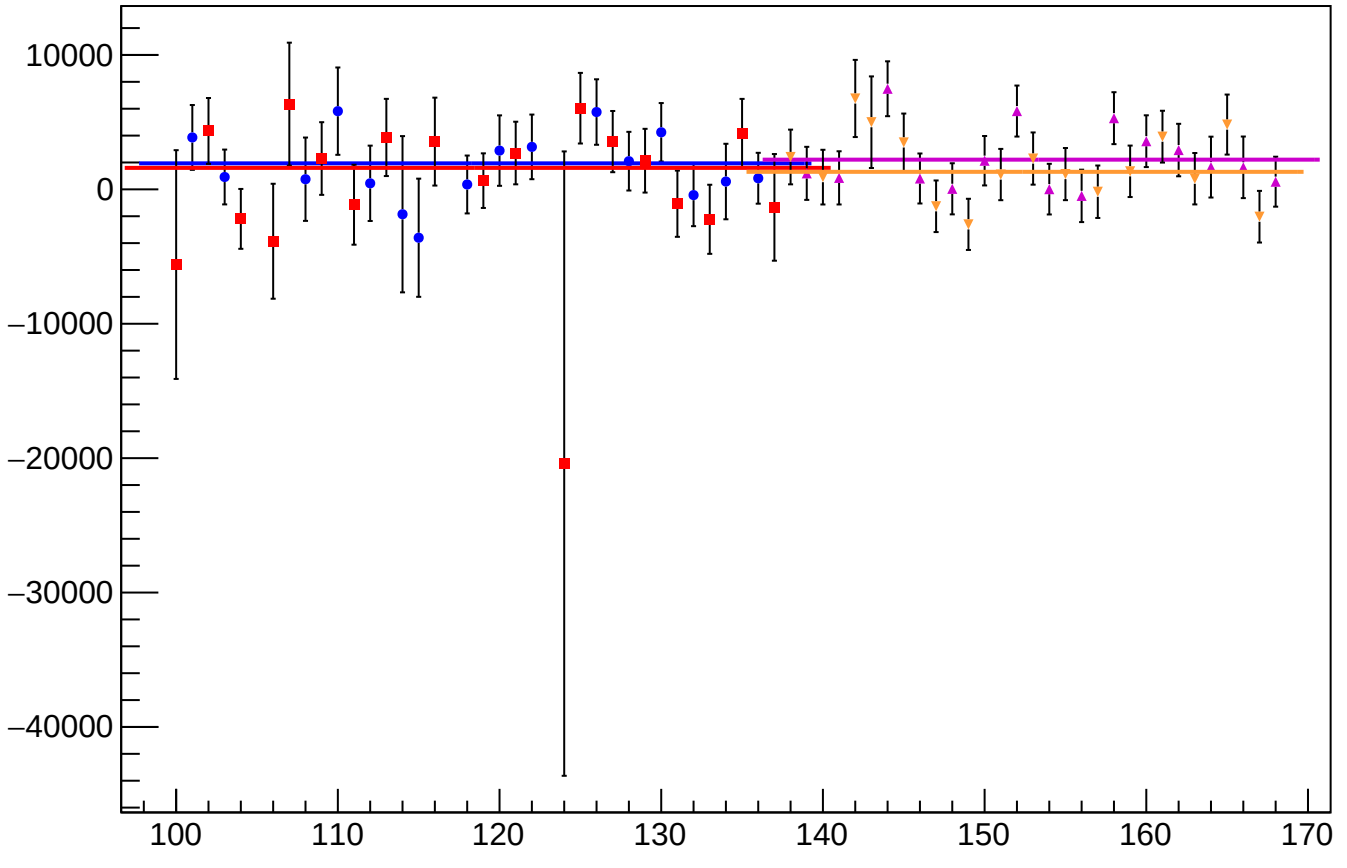
Left: 0.000+/-0.000 χ^2/NDF: 3941541.1/30

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4361786.0/30

Out: 0.000+/-0.000 χ^2/NDF:5361283.3/34

All: 0.000+/-0.000 χ^2/NDF: 9976974.9/65



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.158+/-512.371 χ^2/NDF:20.4/15

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2209.926+/-505.708 χ^2/NDF:20.3/14

Left: 1762.969+/-359.922 χ^2/NDF: 42.3/30

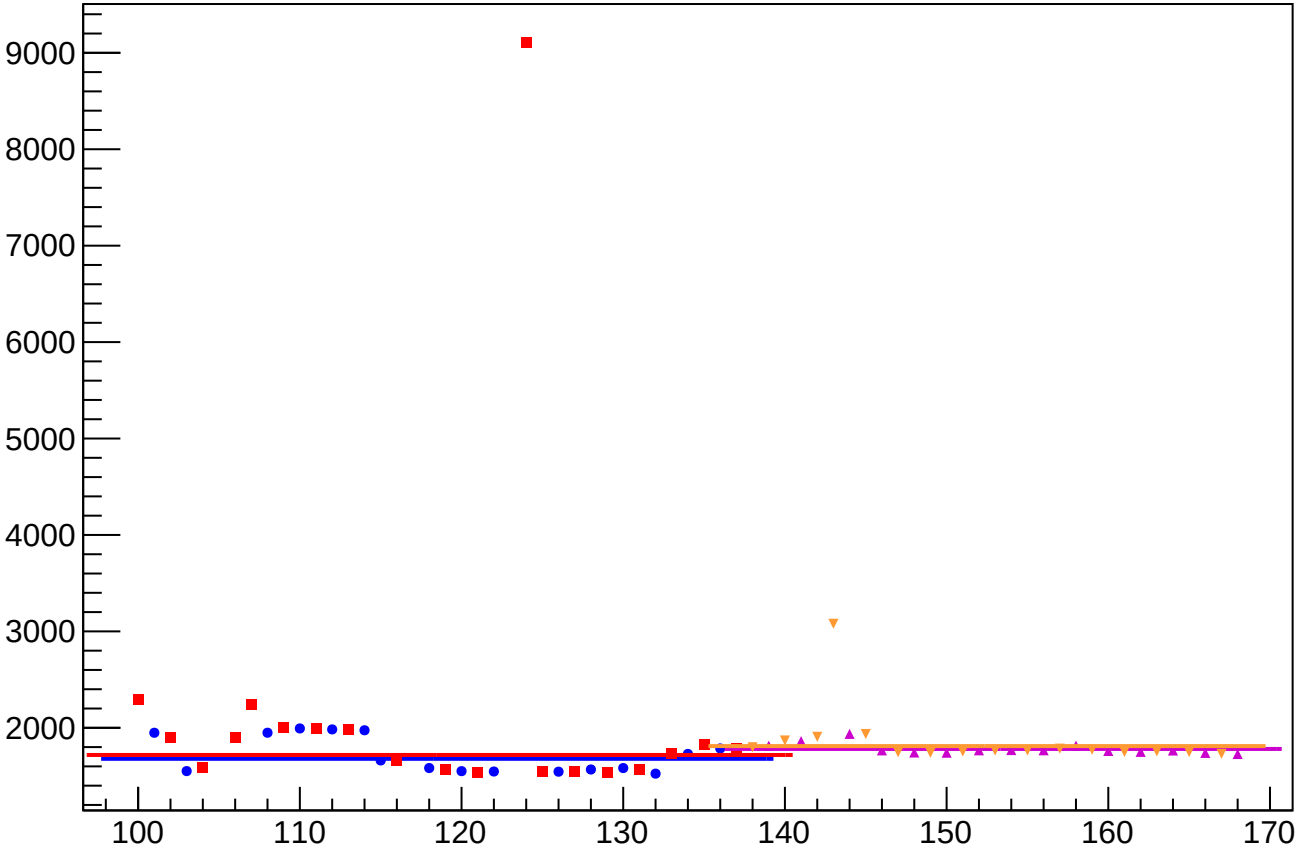
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2101.655+/-393.846 χ^2/NDF:31.3/30

Out: 1418.432+/-400.518 χ^2/NDF:39.9/34

All: 1765.782+/-280.821 χ^2/NDF: 72.7/65

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

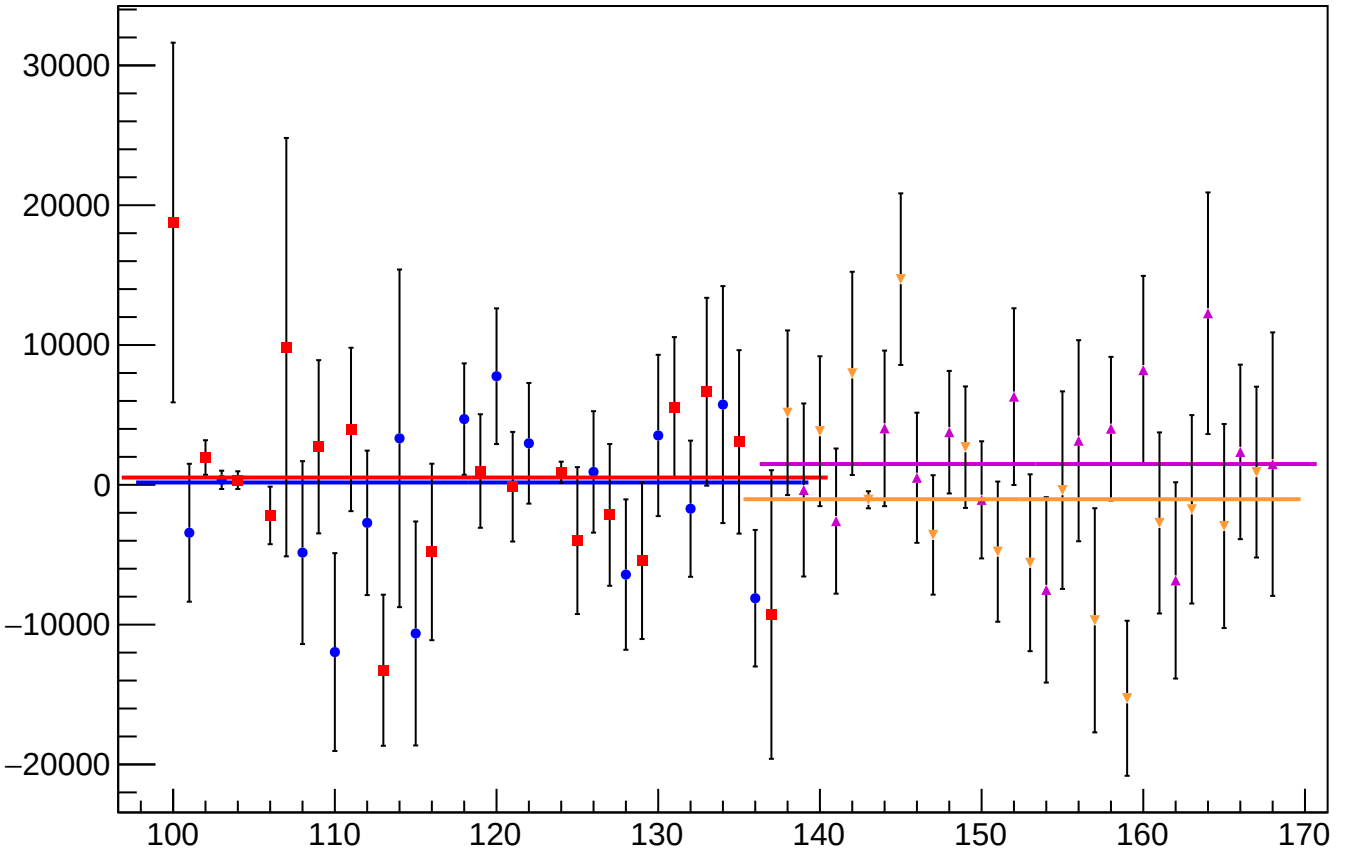
Left: 1795.402+/-0.255 χ^2/NDF: 331104.2/30

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1740.558+/-0.278 χ^2/NDF:194995.1/30

Out: 1774.377+/-0.283 χ^2/NDF:714830.4/34

All: 1757.215+/-0.198 χ^2/NDF: 917088.4/65



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1030.217+/-565.670 χ^2/NDF:20.2/15

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1486.663+/-1493.437 χ^2/NDF:8.3/14

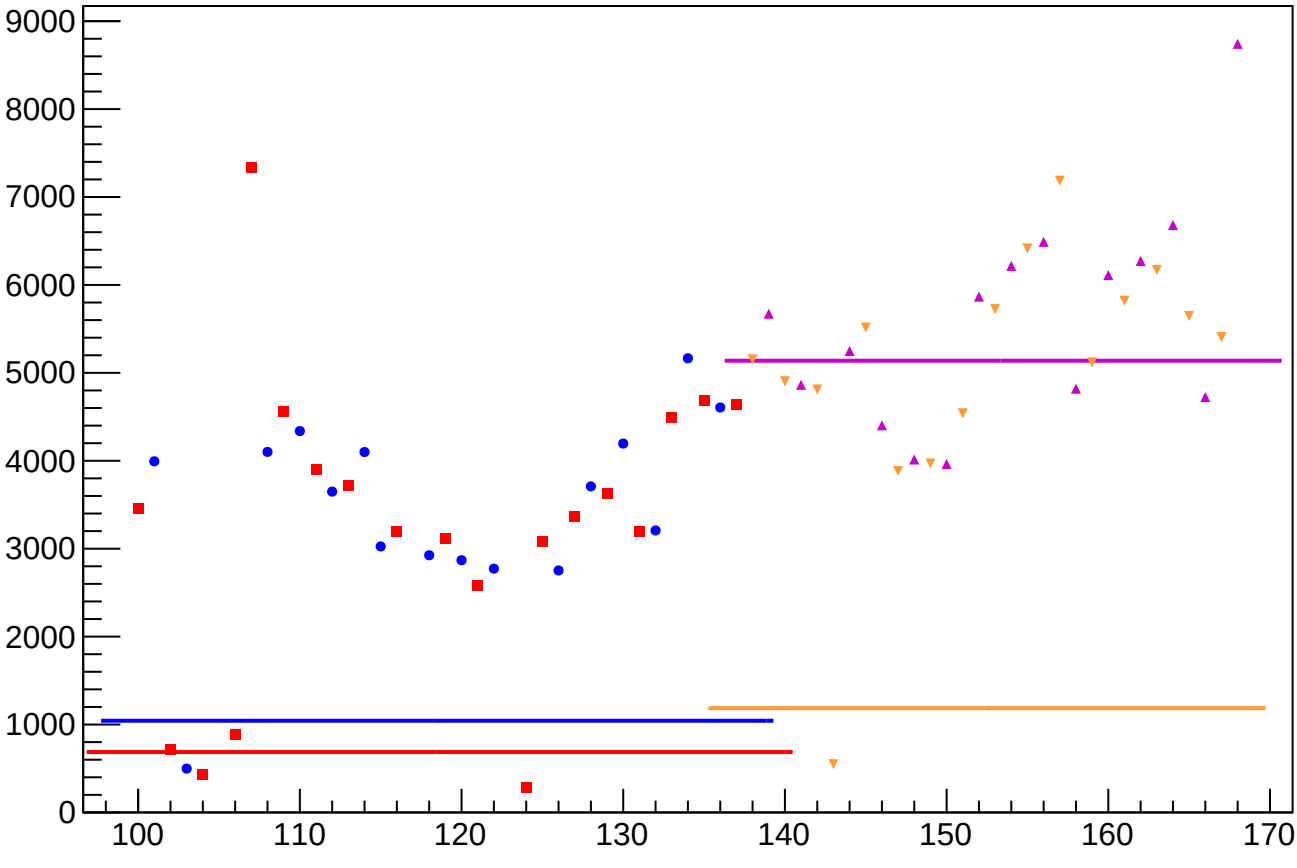
Left: -714.432+/-528.994 χ^2/NDF: 31.0/30

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 347.108+/-550.023 χ^2/NDF:24.8/30

Out: -38.280+/-339.673 χ^2/NDF:43.6/34

All: 68.121+/-289.004 χ^2/NDF: 68.7/65



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1186.114+/-0.400 χ^2/NDF:16128053.3/15

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5138.163+/-1.056 χ^2/NDF:976795.5/14

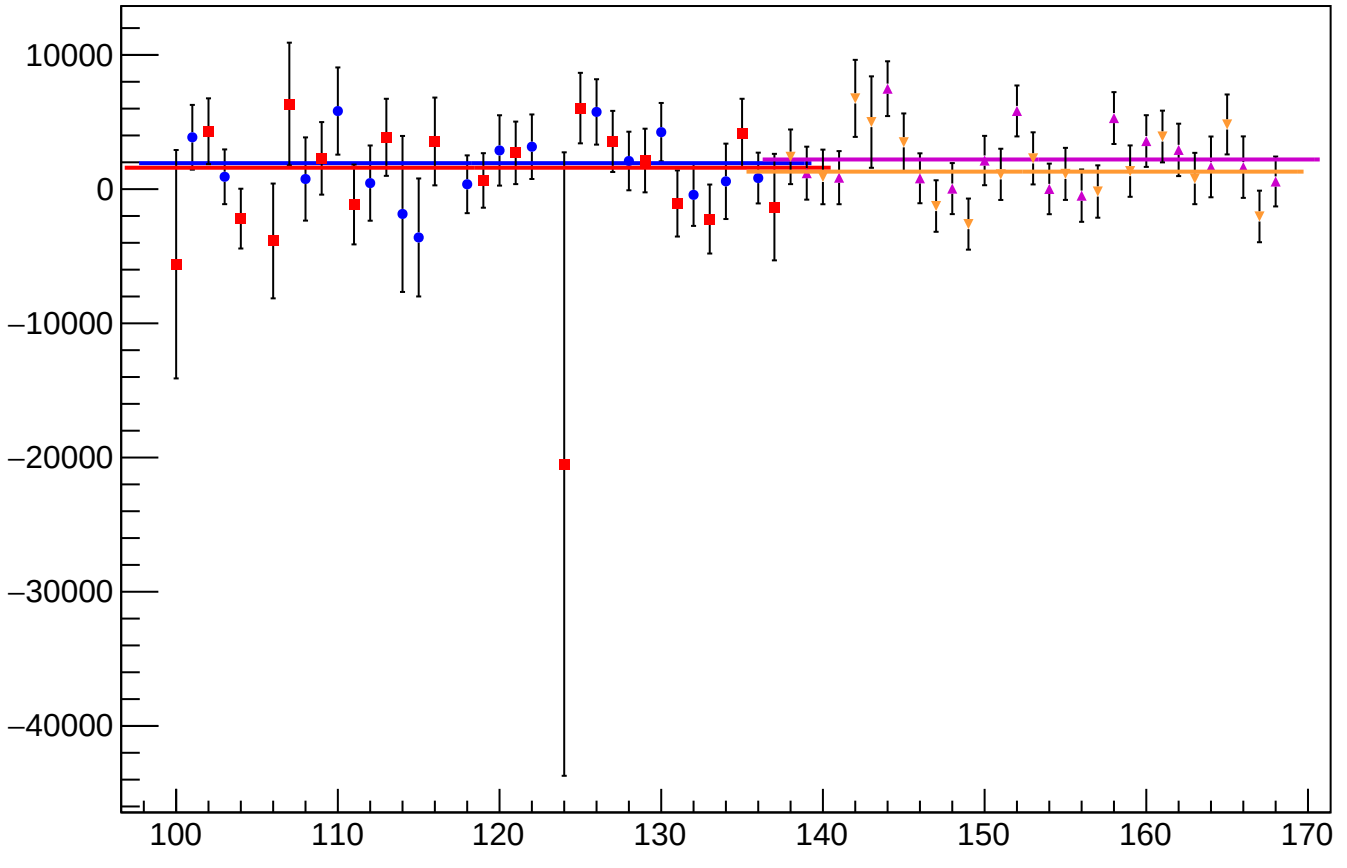
Left: 1681.964+/-0.374 χ^2/NDF: 29353184.8/30

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1598.568+/-0.389 χ^2/NDF:22086449.4/30

Out: 867.179+/-0.240 χ^2/NDF:25753887.7/34

All: 1069.107+/-0.204 χ^2/NDF: 50400406.0/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.159+/-512.371 χ^2/NDF:20.4/15

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2210.020+/-505.708 χ^2/NDF:20.3/14

Left: 1763.017+/-359.922 χ^2/NDF: 42.3/30

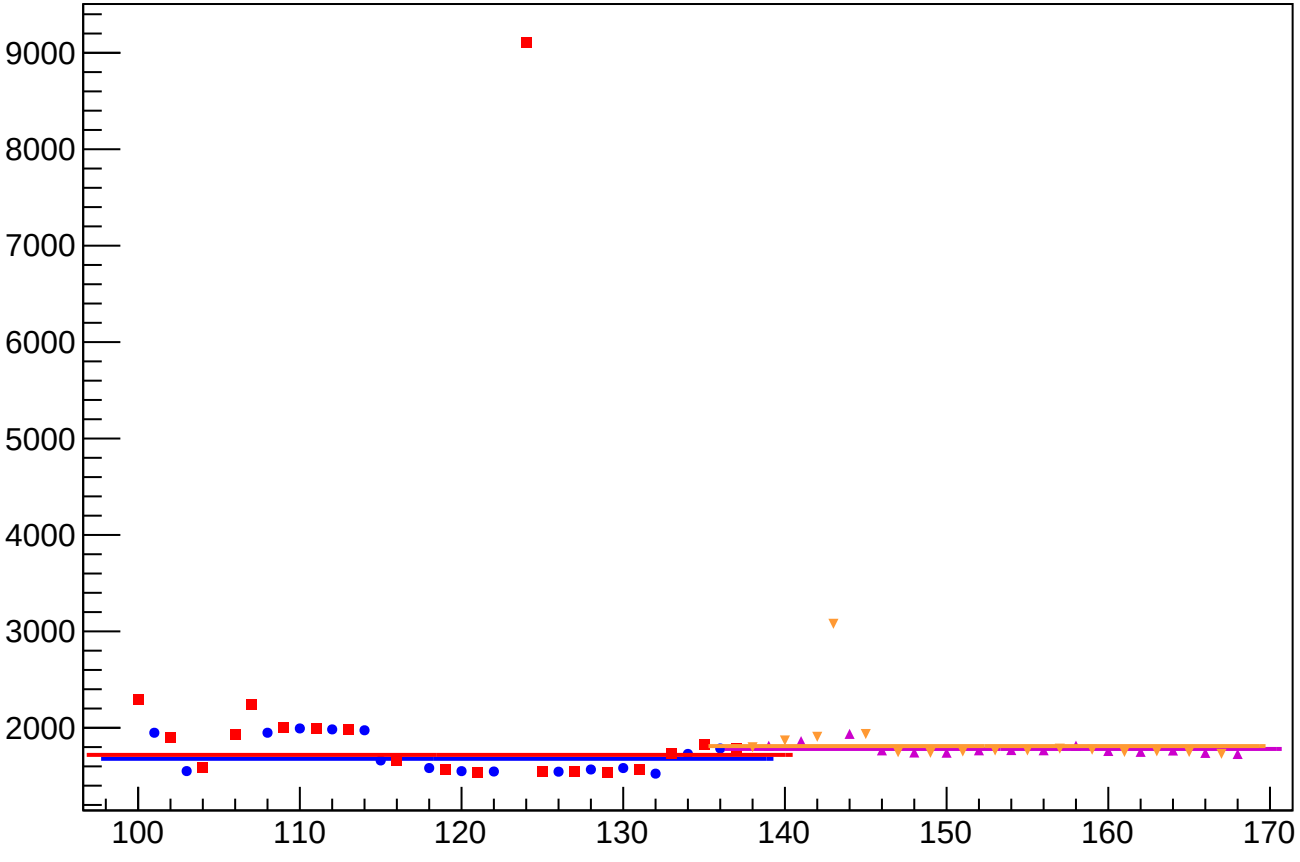
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2101.758+/-393.846 χ^2/NDF:31.3/30

Out: 1417.483+/-400.519 χ^2/NDF:39.9/34

All: 1765.368+/-280.821 χ^2/NDF: 72.7/65

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

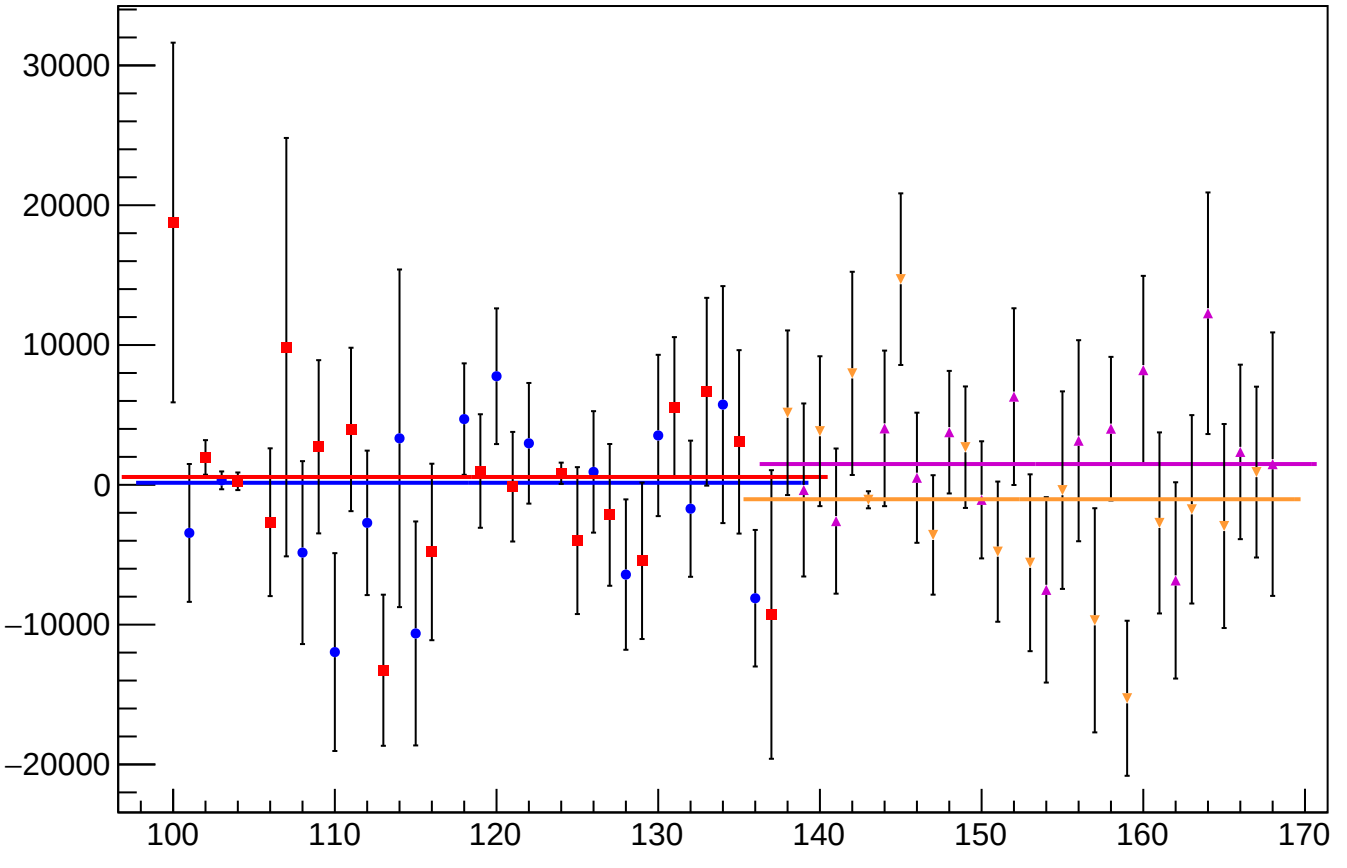
Left: 1795.402+/-0.255 χ^2/NDF: 331104.2/30

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1740.558+/-0.278 χ^2/NDF:194995.3/30

Out: 1774.724+/-0.283 χ^2/NDF:716102.7/34

All: 1757.383+/-0.198 χ^2/NDF: 918509.5/65



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.867+/-565.649 χ^2/NDF:20.2/15

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1486.796+/-1493.436 χ^2/NDF:8.3/14

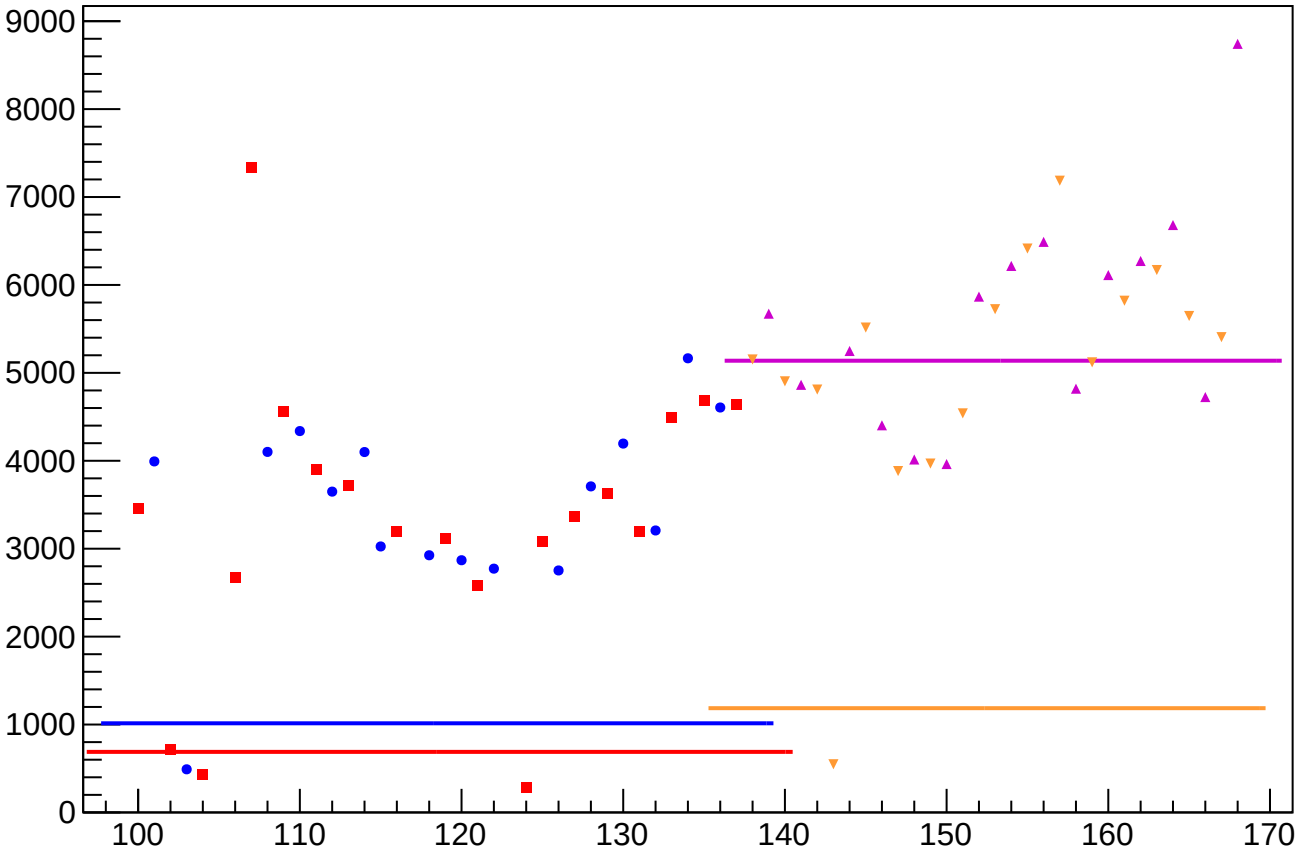
Left: -714.129+/-528.978 χ^2/NDF: 31.0/30

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 321.863+/-540.137 χ^2/NDF:24.8/30

Out: -22.419+/-342.632 χ^2/NDF:42.4/34

All: 76.366+/-289.330 χ^2/NDF: 67.5/65



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5138.157+/-1.056 χ^2/NDF:976815.2/14

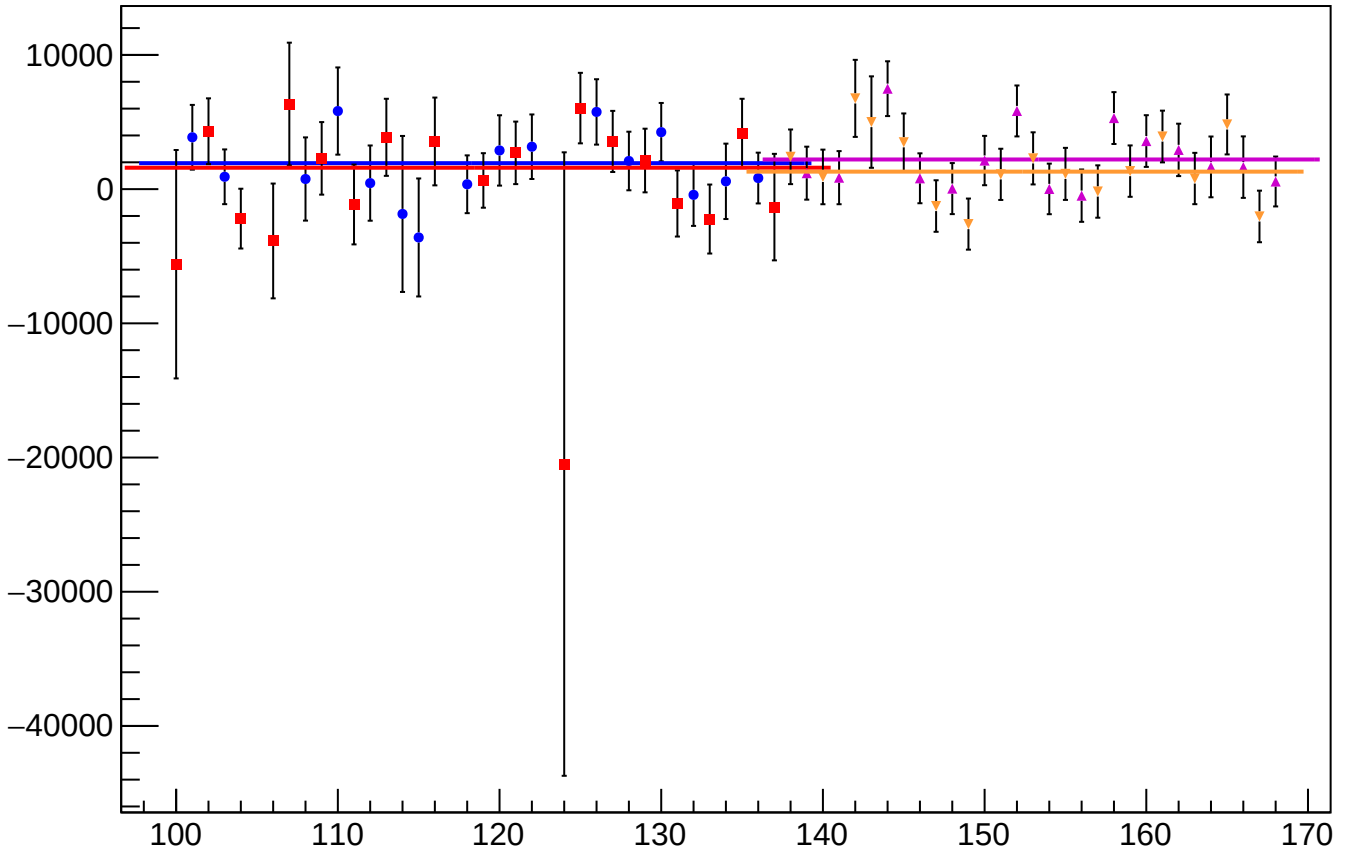
Left: 1681.877+/-0.374 χ^2/NDF: 29354029.6/30

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1553.554+/-0.382 χ^2/NDF:22456155.4/30

Out: 871.408+/-0.242 χ^2/NDF:26016226.7/34

All: 1067.138+/-0.205 χ^2/NDF: 50747003.2/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1304.159+/-512.371 χ^2/NDF:20.4/15

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2210.020+/-505.708 χ^2/NDF:20.3/14

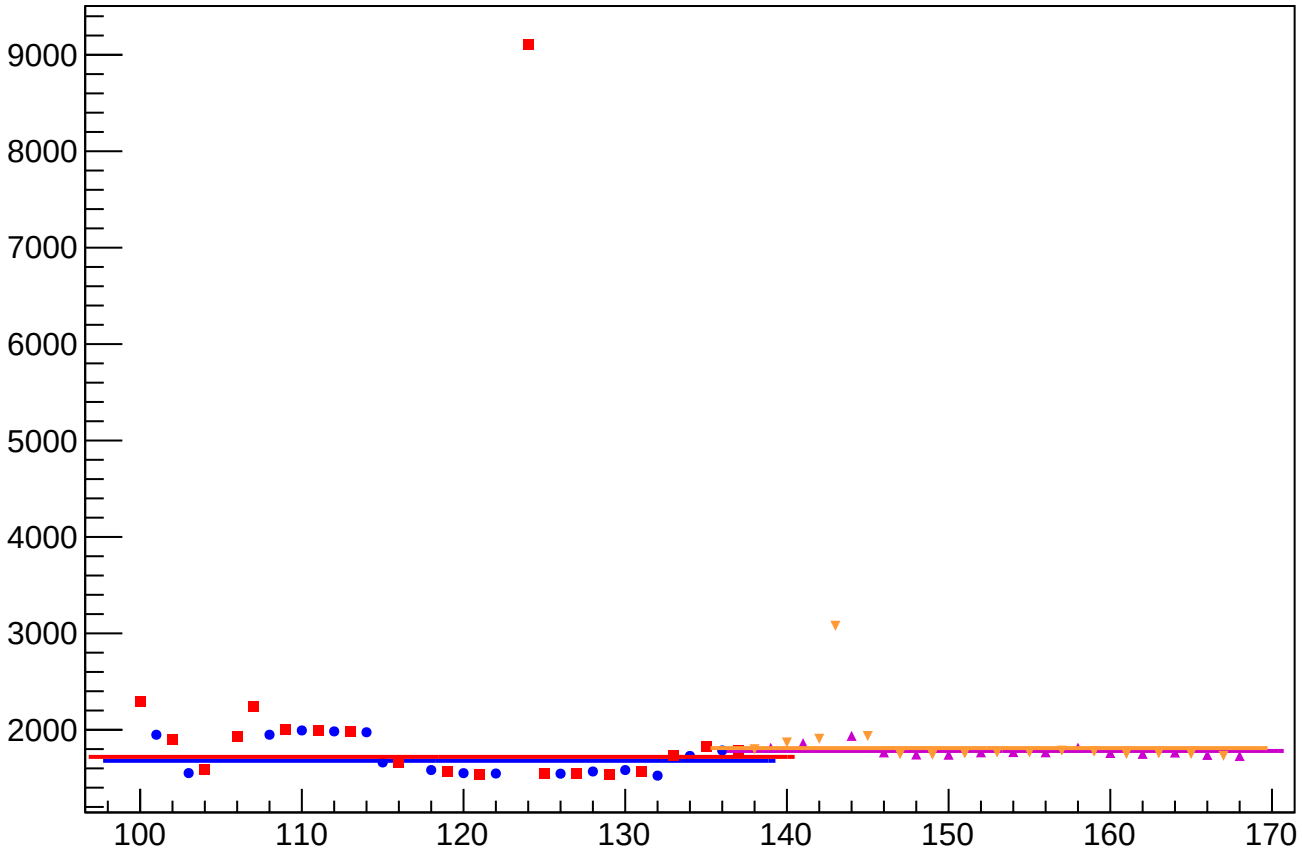
Left: 1763.017+/-359.922 χ^2/NDF: 42.3/30

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2101.758+/-393.846 χ^2/NDF:31.3/30

Out: 1417.483+/-400.519 χ^2/NDF:39.9/34

All: 1765.368+/-280.821 χ^2/NDF: 72.7/65



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1810.403+/-0.362 χ^2/NDF:306375.9/15

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1780.789+/-0.358 χ^2/NDF:21344.0/14

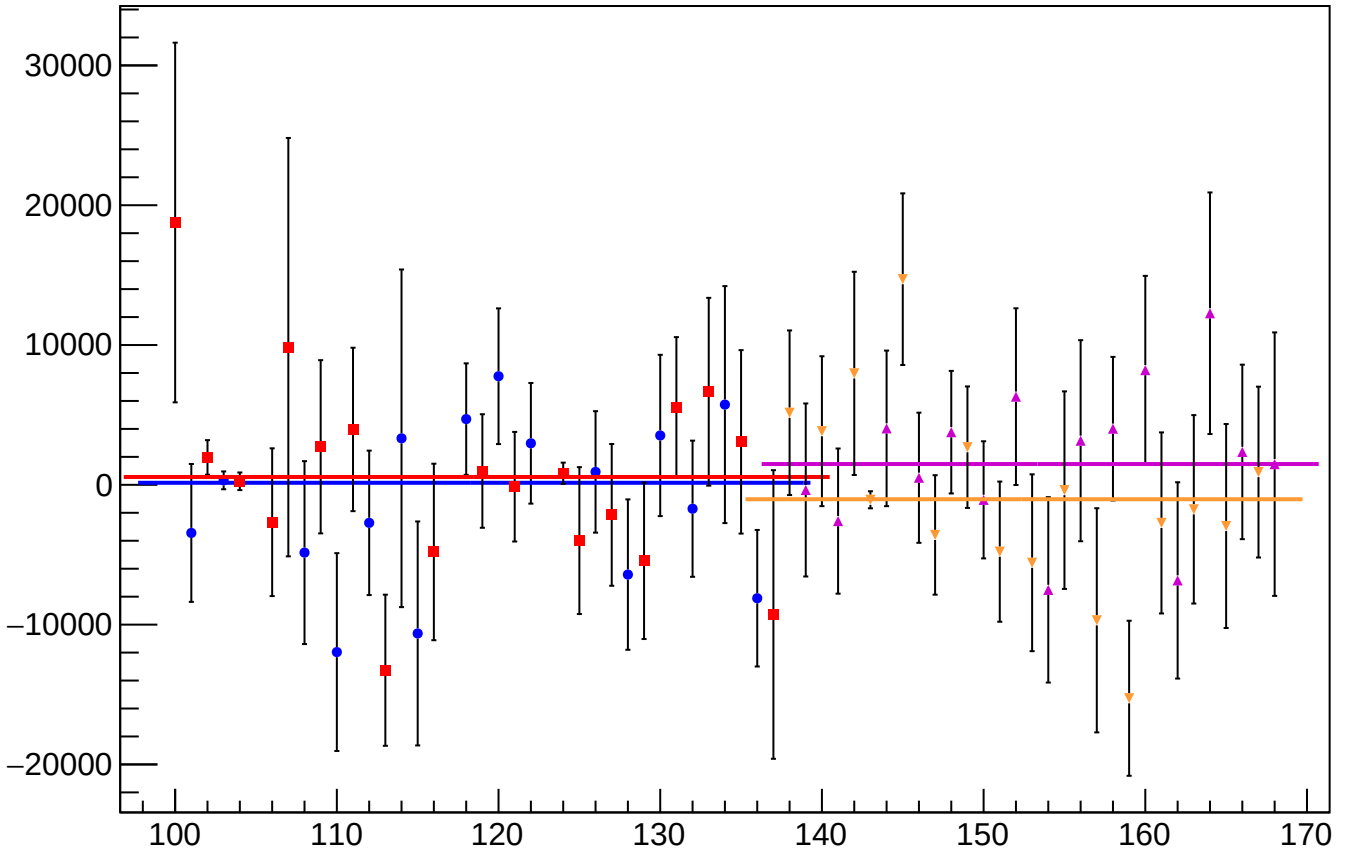
Left: 1795.402+/-0.255 χ^2/NDF: 331104.2/30

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

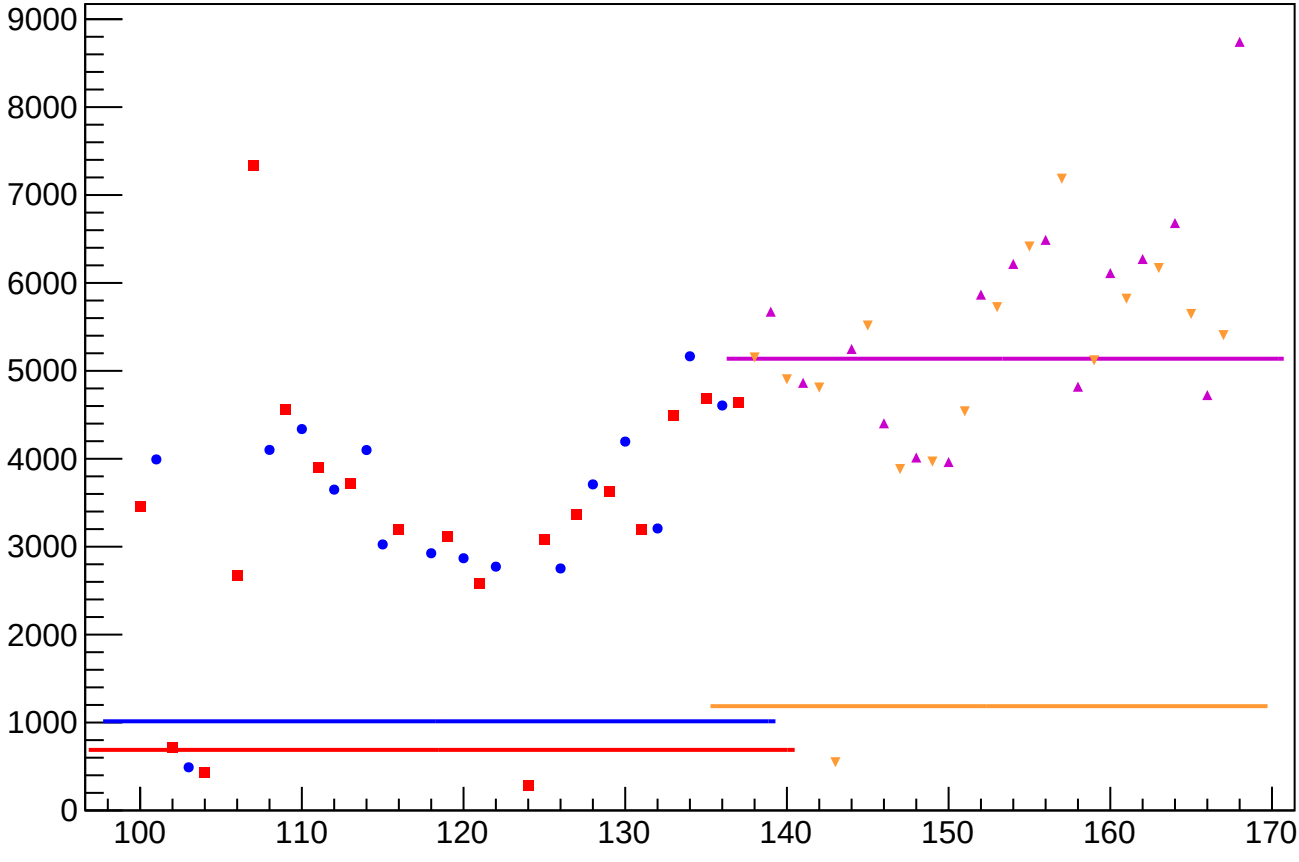
In: 1740.558+/-0.278 χ^2/NDF:194995.3/30

Out: 1774.724+/-0.283 χ^2/NDF:716102.7/34

All: 1757.383+/-0.198 χ^2/NDF: 918509.5/65


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -1029.867+/-565.649 χ²/NDF:20.2/15
Right Out: 561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 1486.796+/-1493.436 χ²/NDF:8.3/14
Left: -714.129+/-528.978 χ²/NDF: 31.0/30
Right: 413.806+/-345.609 χ²/NDF: 33.3/34
In: 321.863+/-540.137 χ²/NDF:24.8/30
Out: -22.419+/-342.632 χ²/NDF:42.4/34
All: 76.366+/-289.330 χ²/NDF: 67.5/65

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1186.050+/-0.400 χ^2/NDF:16128389.8/15

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5138.157+/-1.056 χ^2/NDF:976815.2/14

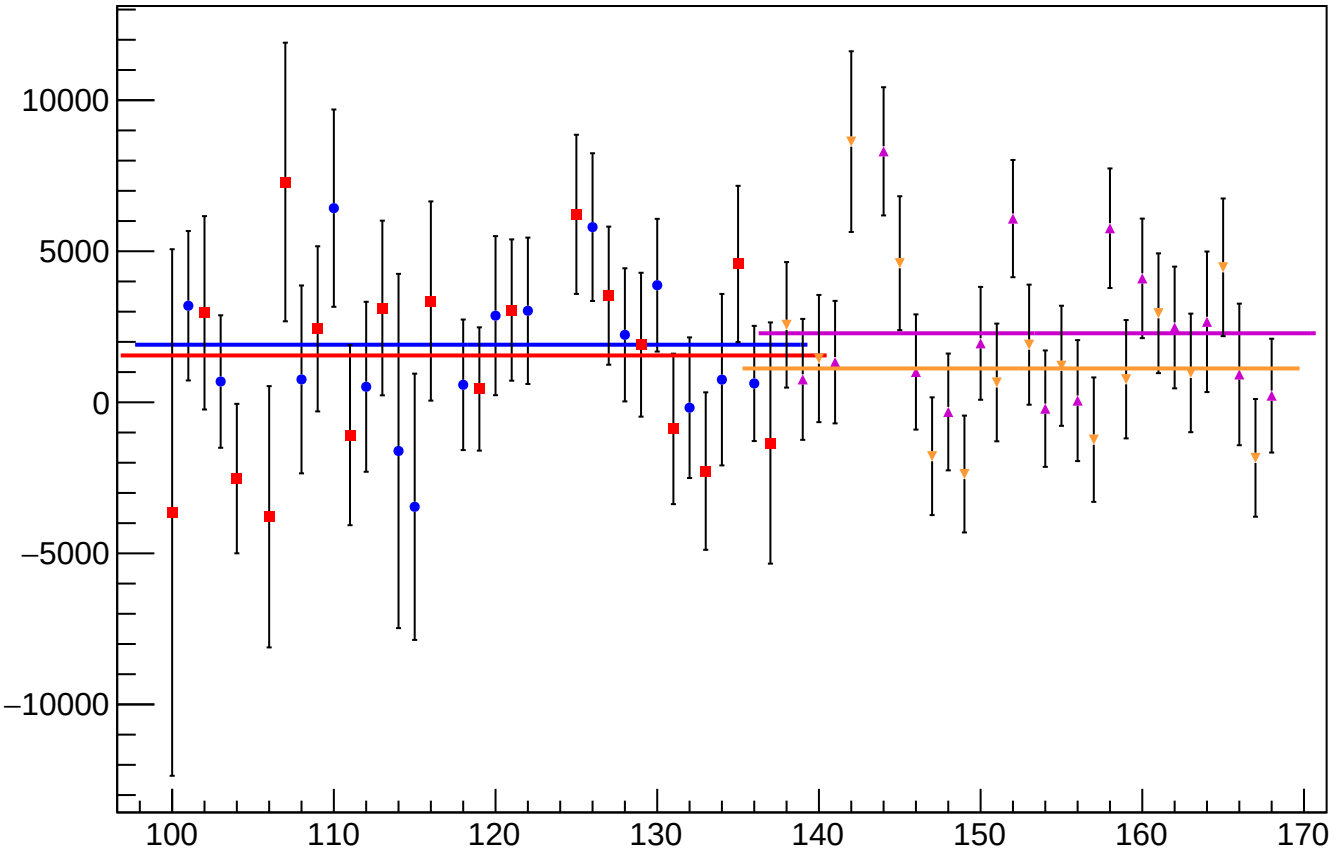
Left: 1681.877+/-0.374 χ^2/NDF: 29354029.6/30

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1553.554+/-0.382 χ^2/NDF:22456155.4/30

Out: 871.408+/-0.242 χ^2/NDF:26016226.7/34

All: 1067.138+/-0.205 χ^2/NDF: 50747003.2/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.683+/-531.478 χ^2/NDF:21.6/14

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2284.977+/-517.488 χ^2/NDF:23.4/14

Left: 1718.356+/-370.767 χ^2/NDF: 47.5/29

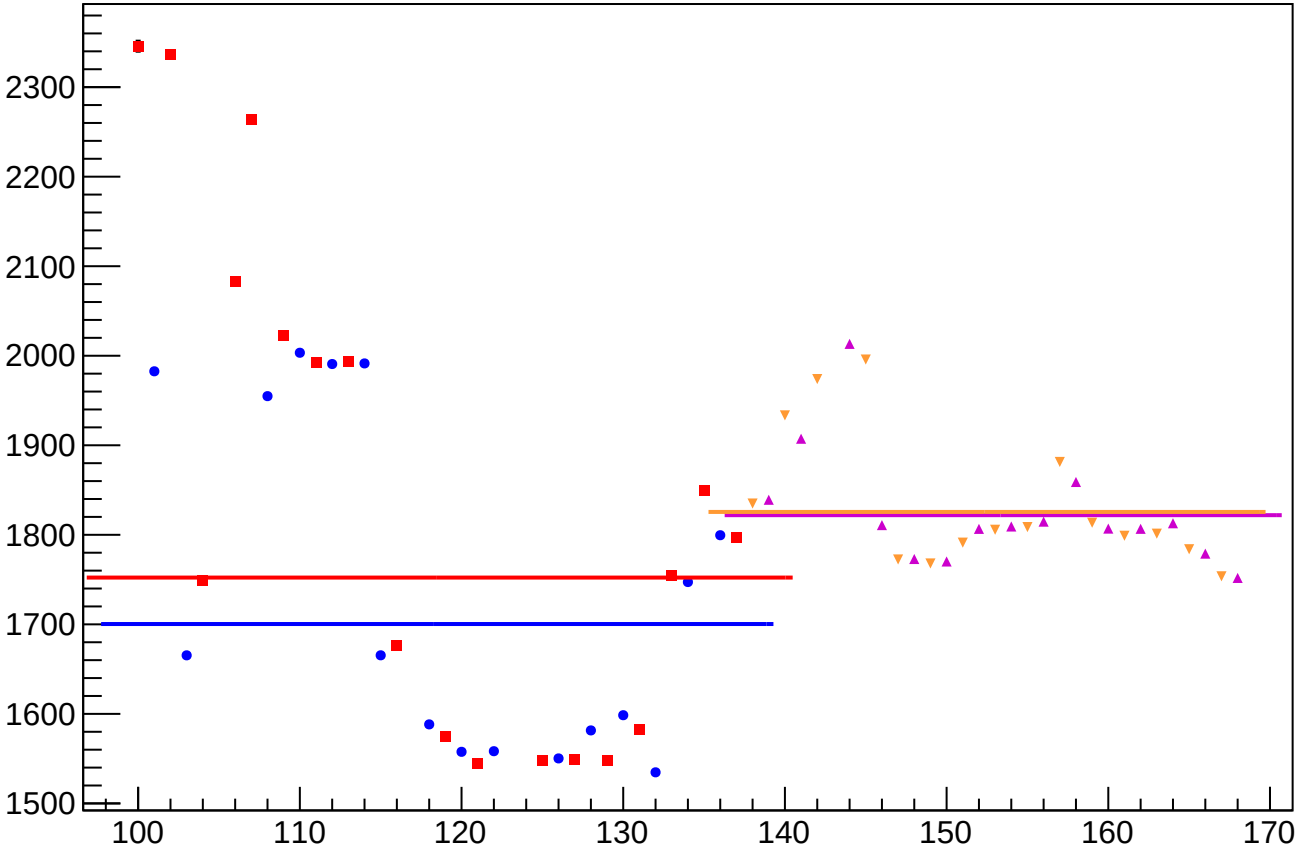
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2134.224+/-401.510 χ^2/NDF:33.8/30

Out: 1289.625+/-414.208 χ^2/NDF:39.4/32

All: 1725.069+/-288.295 χ^2/NDF: 75.3/63

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1825.553+/-0.376 χ^2/NDF:31838.3/14

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1821.935+/-0.366 χ^2/NDF:27478.3/14

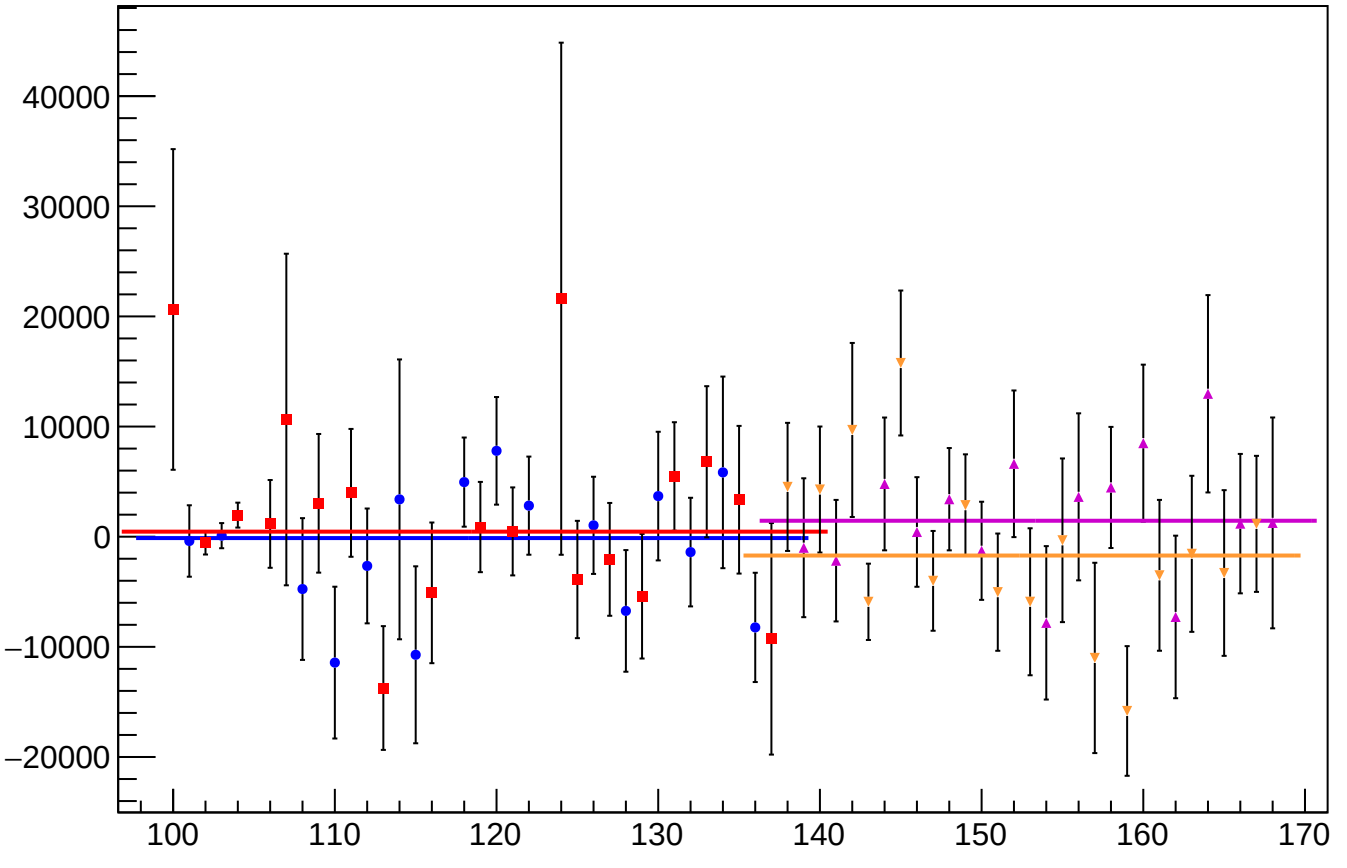
Left: 1823.696+/-0.262 χ^2/NDF: 59364.2/29

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1773.547+/-0.284 χ^2/NDF:206834.4/30

Out: 1796.689+/-0.293 χ^2/NDF:294774.0/32

All: 1784.768+/-0.204 χ^2/NDF: 504830.1/63



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1709.271+/-1441.050 χ^2/NDF:22.2/15

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1448.288+/-1575.753 χ^2/NDF:8.3/14

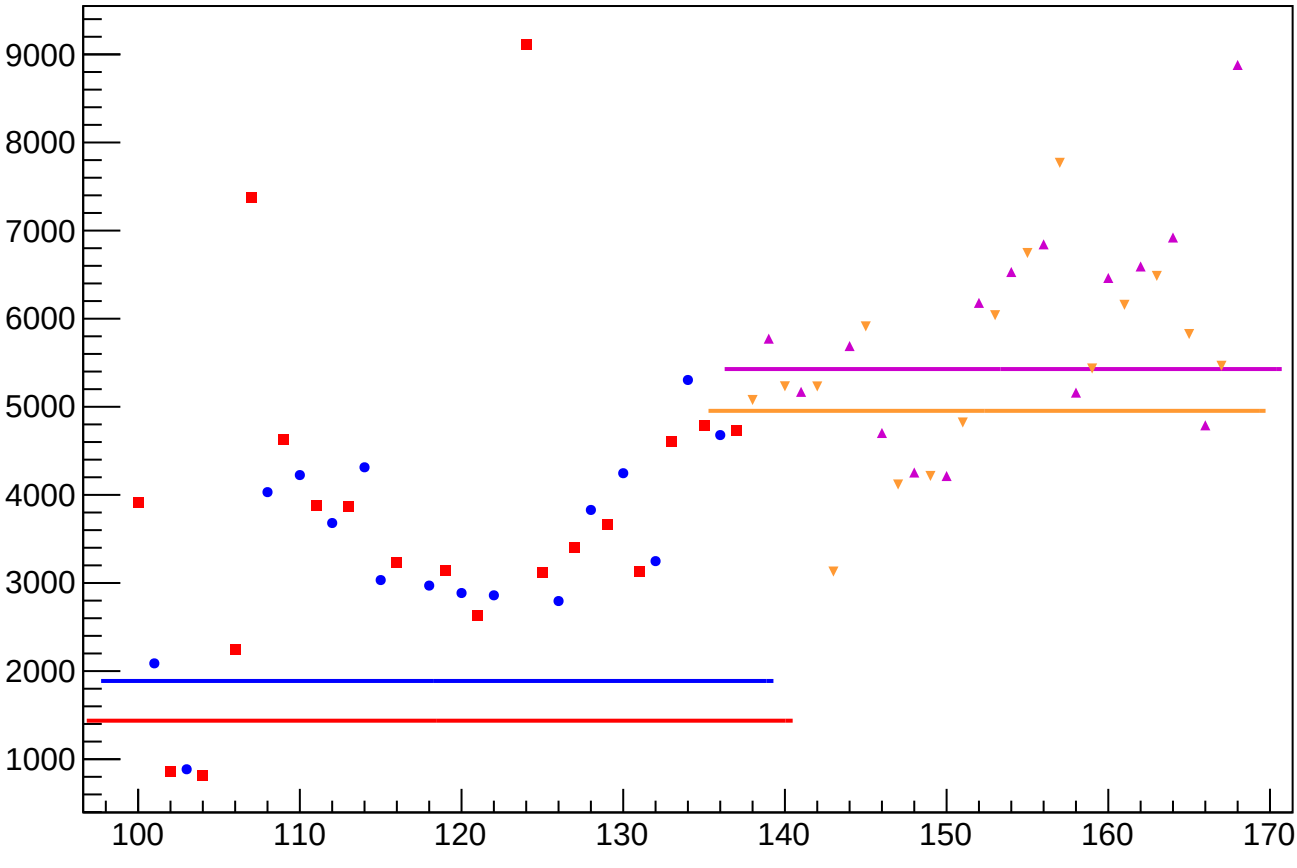
Left: -271.199+/-1063.415 χ^2/NDF: 32.6/30

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 240.666+/-760.045 χ^2/NDF:24.1/30

Out: 65.274+/-614.347 χ^2/NDF:42.5/34

All: 134.584+/-477.783 χ^2/NDF: 66.7/65



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4954.043+/-1.019 χ^2/NDF:1316489.5/15

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5428.355+/-1.114 χ^2/NDF:911006.6/14

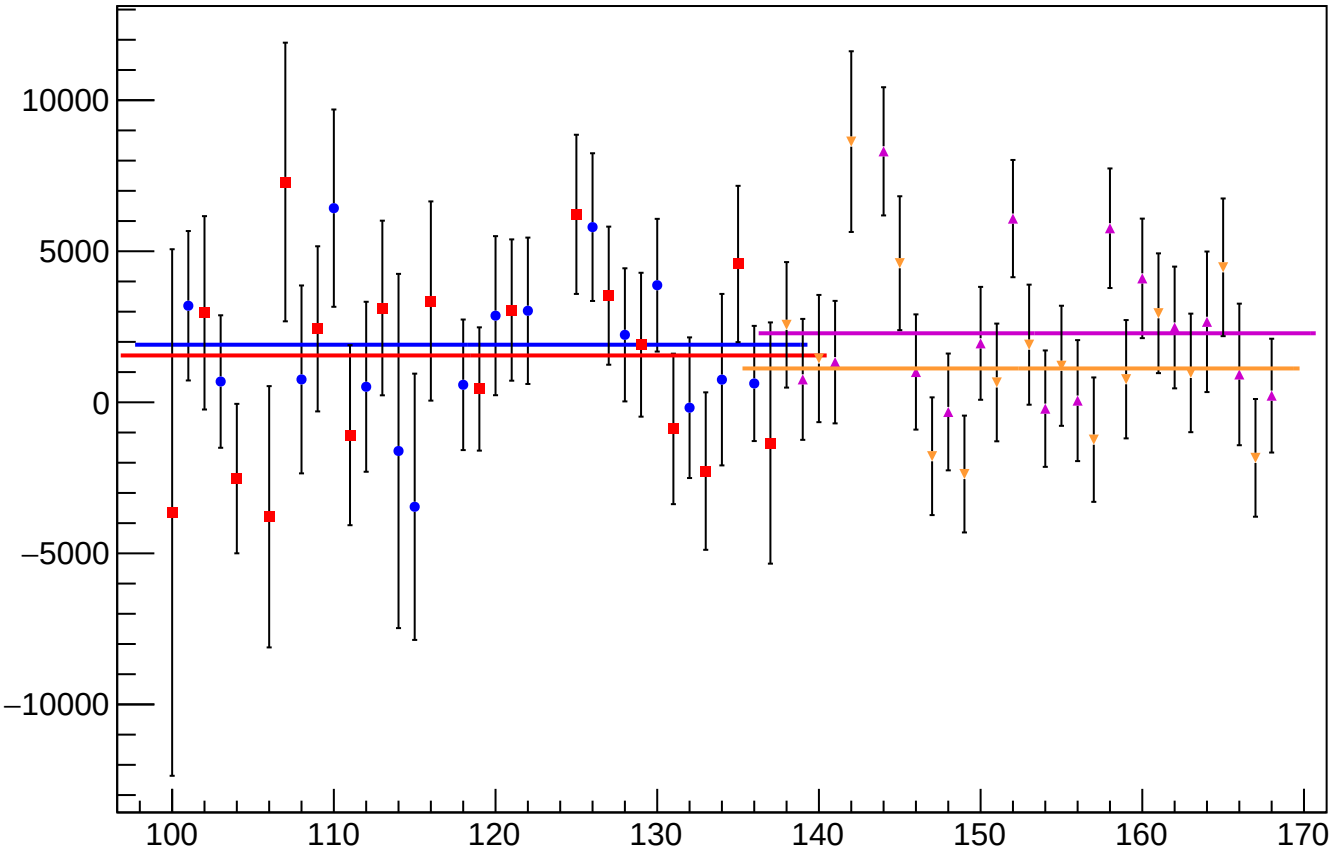
Left: 5170.063+/-0.752 χ^2/NDF: 2326175.7/30

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2711.660+/-0.537 χ^2/NDF:13083836.0/30

Out: 2076.303+/-0.434 χ^2/NDF:17028058.7/34

All: 2327.377+/-0.338 χ^2/NDF: 30957214.5/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1120.679+/-531.479 χ^2/NDF:21.6/14

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2284.978+/-517.488 χ^2/NDF:23.4/14

Left: 1718.354+/-370.767 χ^2/NDF: 47.5/29

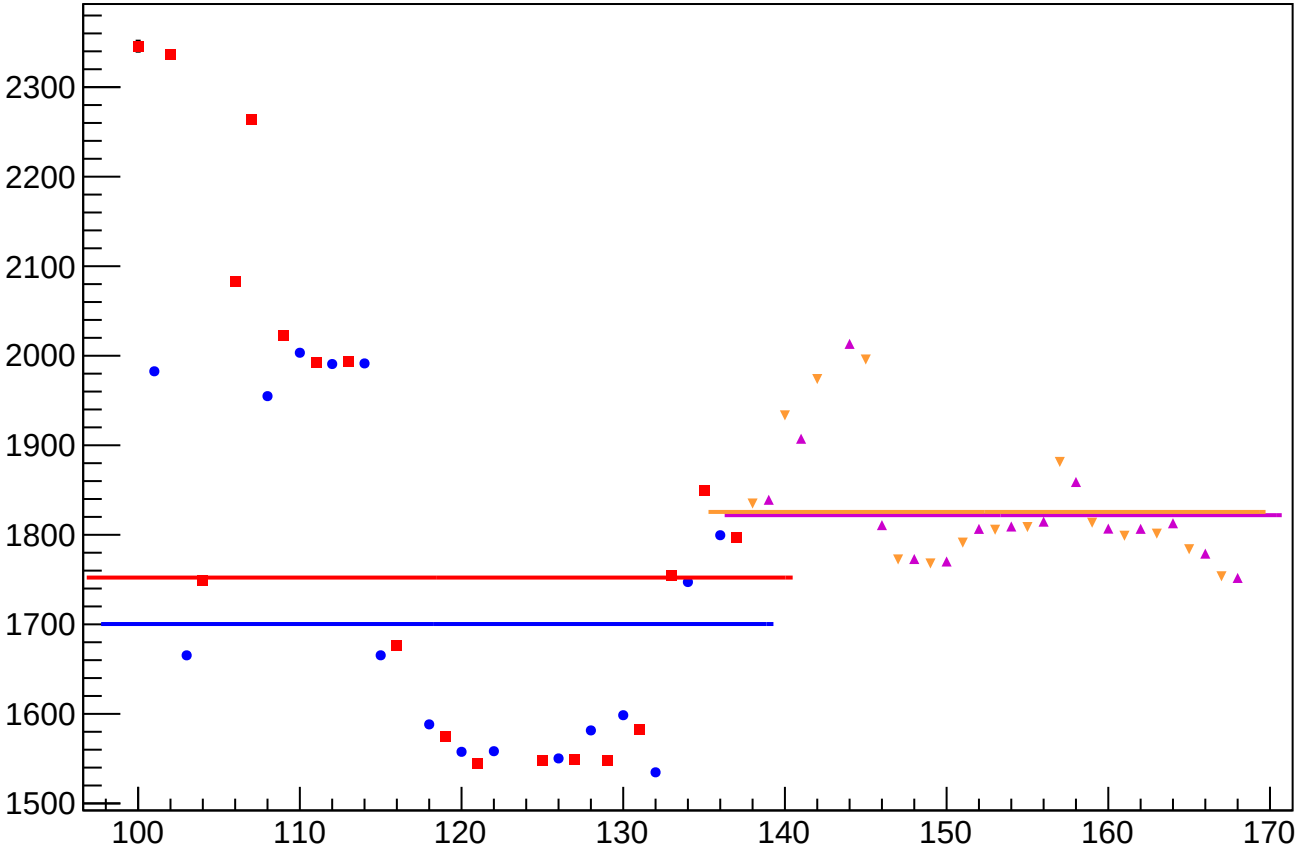
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2134.224+/-401.511 χ^2/NDF:33.8/30

Out: 1289.621+/-414.208 χ^2/NDF:39.4/32

All: 1725.067+/-288.295 χ^2/NDF: 75.3/63

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1825.554+/-0.376 χ^2/NDF:31838.8/14

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1821.936+/-0.366 χ^2/NDF:27478.7/14

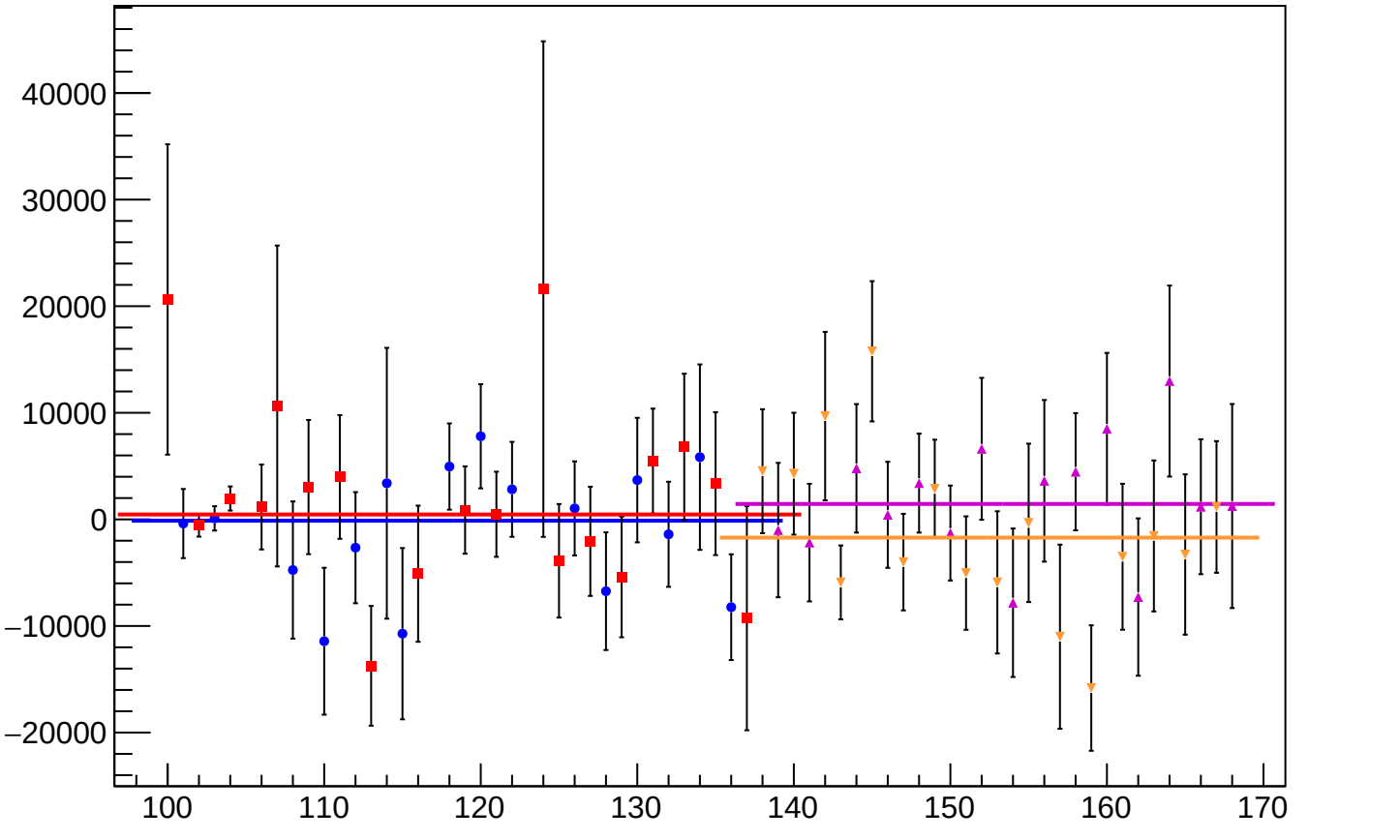
Left: 1823.697+/-0.262 χ^2/NDF: 59365.1/29

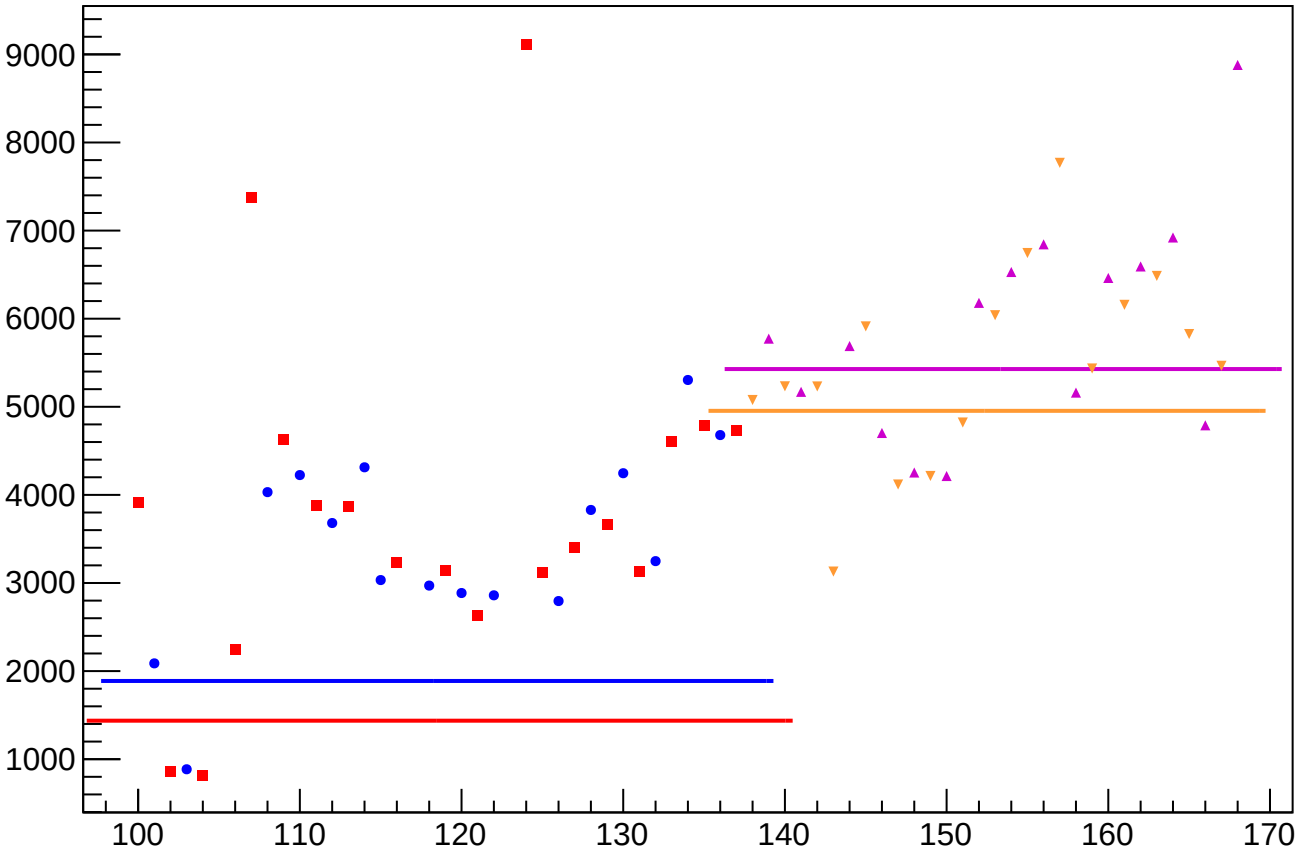
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1773.547+/-0.284 χ^2/NDF:206836.0/30

Out: 1796.689+/-0.293 χ^2/NDF:294774.8/32

All: 1784.768+/-0.204 χ^2/NDF: 504832.5/63


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -1709.278+/-1441.052 χ²/NDF:22.2/15
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 1448.288+/-1575.756 χ²/NDF:8.3/14
Left: -271.203+/-1063.417 χ²/NDF: 32.6/30
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: 240.664+/-760.041 χ²/NDF:24.1/30
Out: 65.278+/-614.343 χ²/NDF:42.5/34
All: 134.585+/-477.780 χ²/NDF: 66.7/65



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4954.049+/-1.019 χ^2/NDF:1316497.4/15

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5428.362+/-1.114 χ^2/NDF:911009.9/14

Left: 5170.069+/-0.752 χ^2/NDF: 2326187.4/30

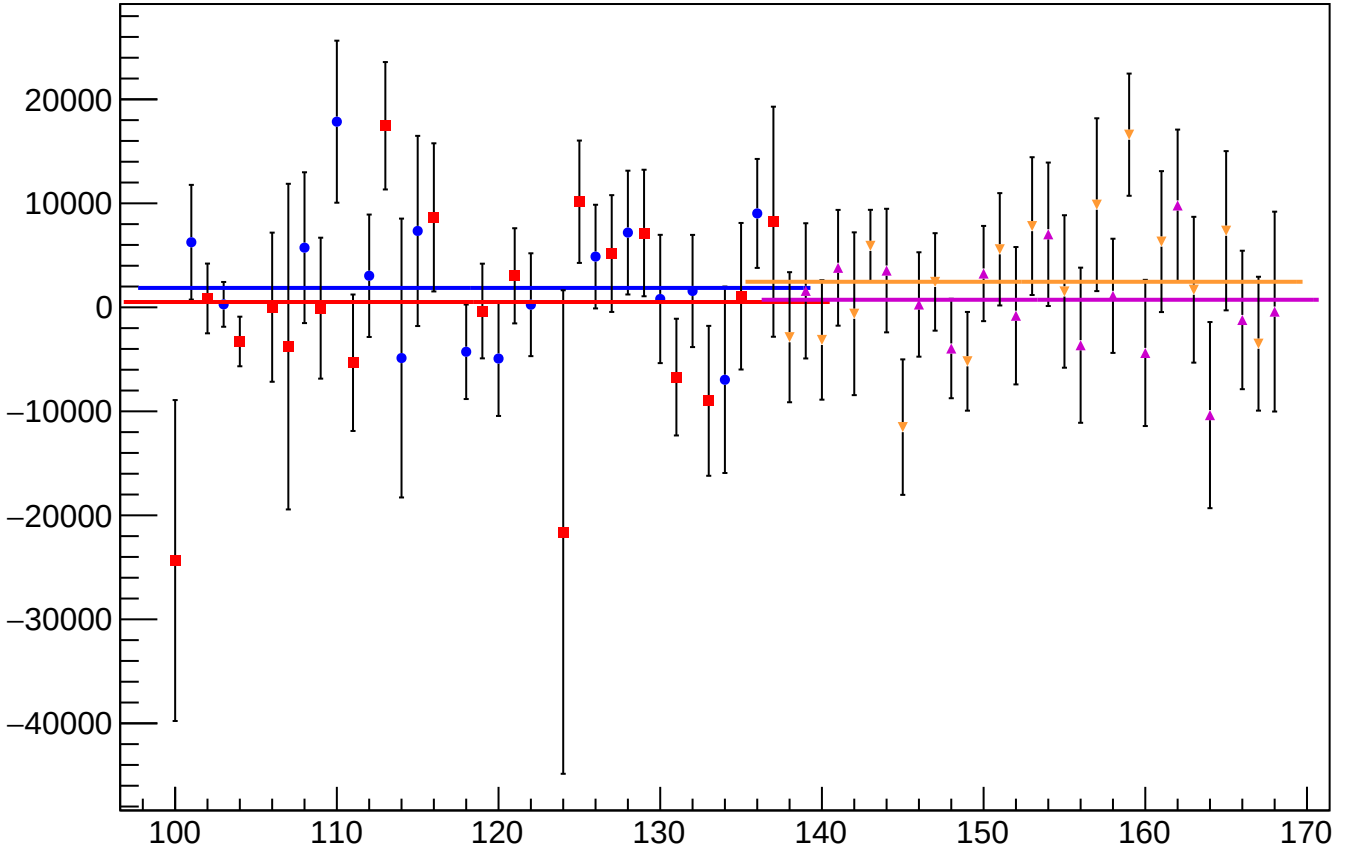
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2711.639+/-0.537 χ^2/NDF:13083986.5/30

Out: 2076.284+/-0.434 χ^2/NDF:17028212.1/34

All: 2327.356+/-0.338 χ^2/NDF: 30957522.4/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2457.421+/-1456.335 χ^2/NDF:19.2/15

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 727.853+/-1590.229 χ^2/NDF:6.8/14

Left: 1668.504+/-1074.006 χ^2/NDF: 26.6/30

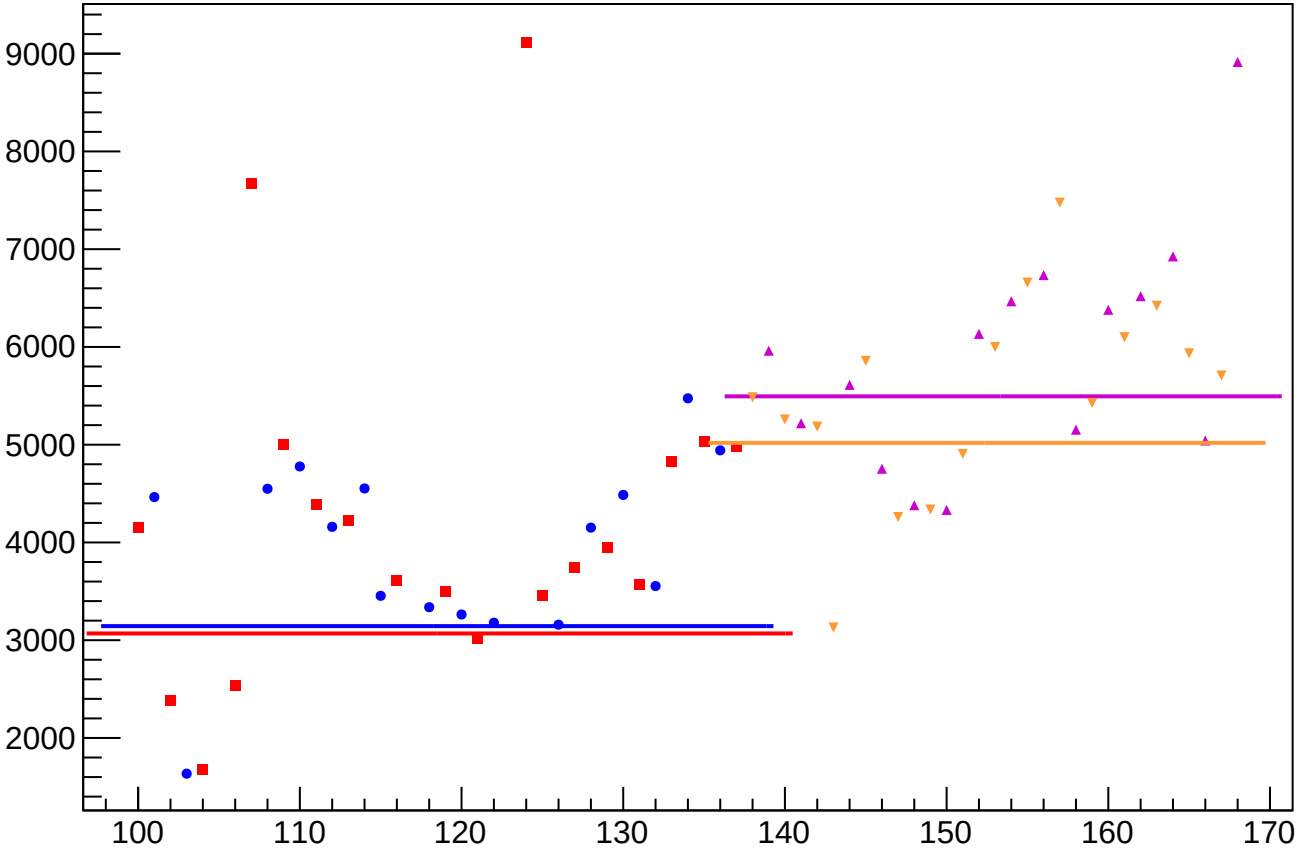
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1427.774+/-987.183 χ^2/NDF:20.9/30

Out: 1331.085+/-944.795 χ^2/NDF:44.9/34

All: 1377.309+/-682.564 χ^2/NDF: 65.8/65

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5018.955+/-1.030 χ^2/NDF:1248554.6/15

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5494.693+/-1.124 χ^2/NDF:803447.2/14

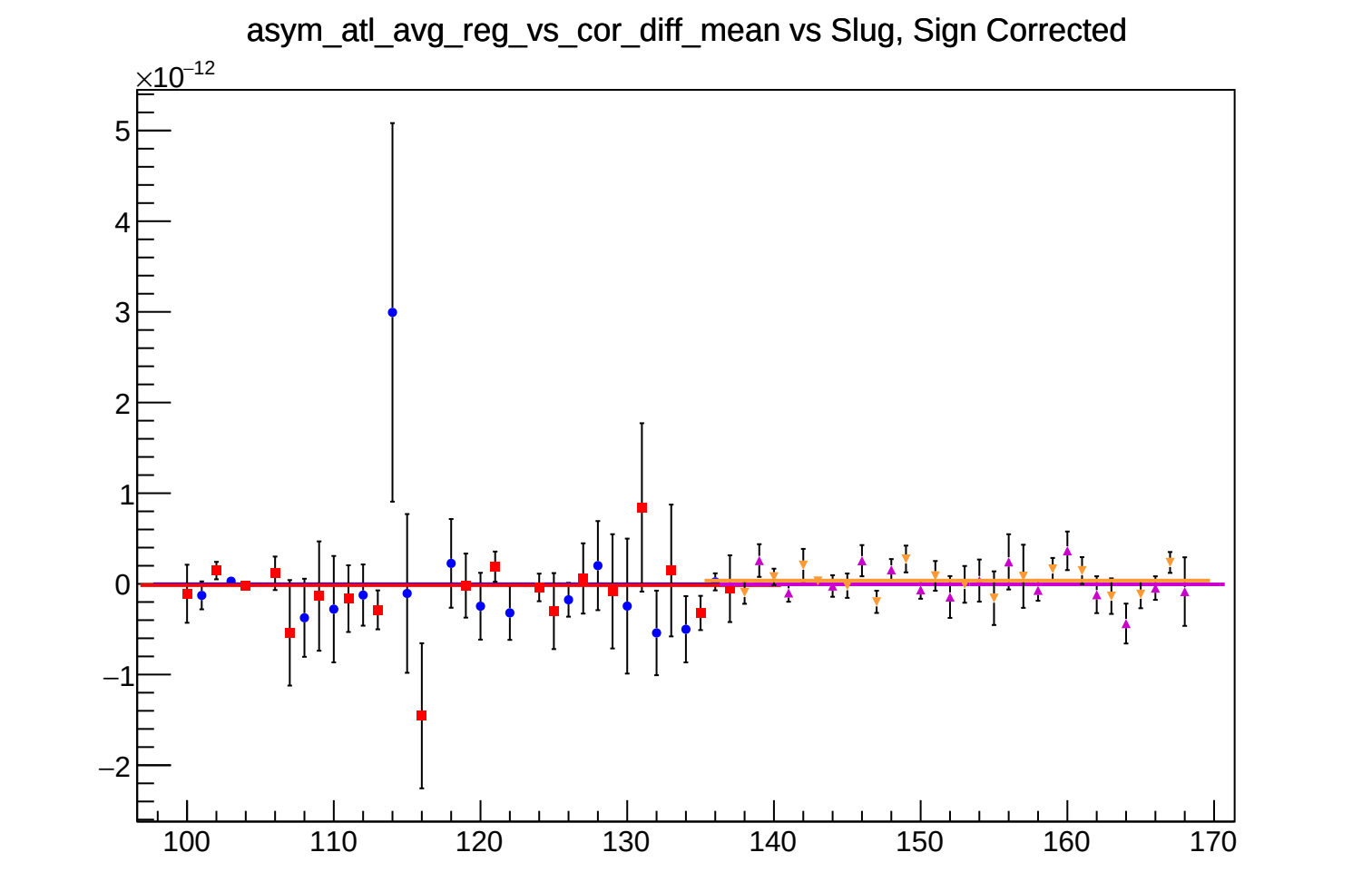
Left: 5235.956+/-0.759 χ^2/NDF: 2149351.9/30

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4049.964+/-0.698 χ^2/NDF:5372348.3/30

Out: 3874.855+/-0.662 χ^2/NDF:5233853.5/34

All: 3957.770+/-0.480 χ^2/NDF: 10639333.7/6



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/14

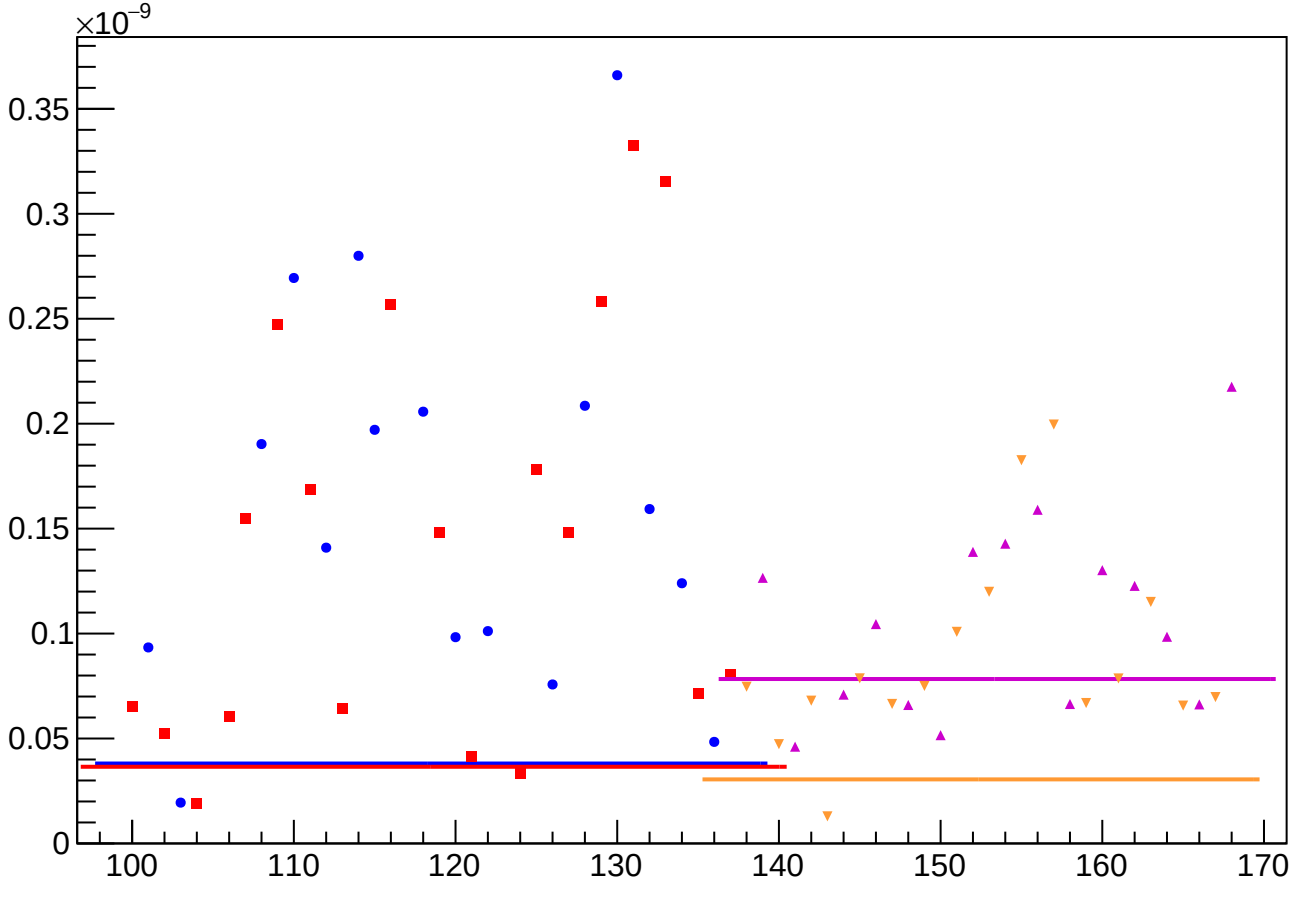
Left: 0.000+/-0.000 χ^2/NDF: 32.9/30

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:27.0/30

Out: 0.000+/-0.000 χ^2/NDF:32.4/34

All: 0.000+/-0.000 χ^2/NDF: 60.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5007176.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1559419.3/14

Left: 0.000+/-0.000 χ^2/NDF: 8998812.6/30

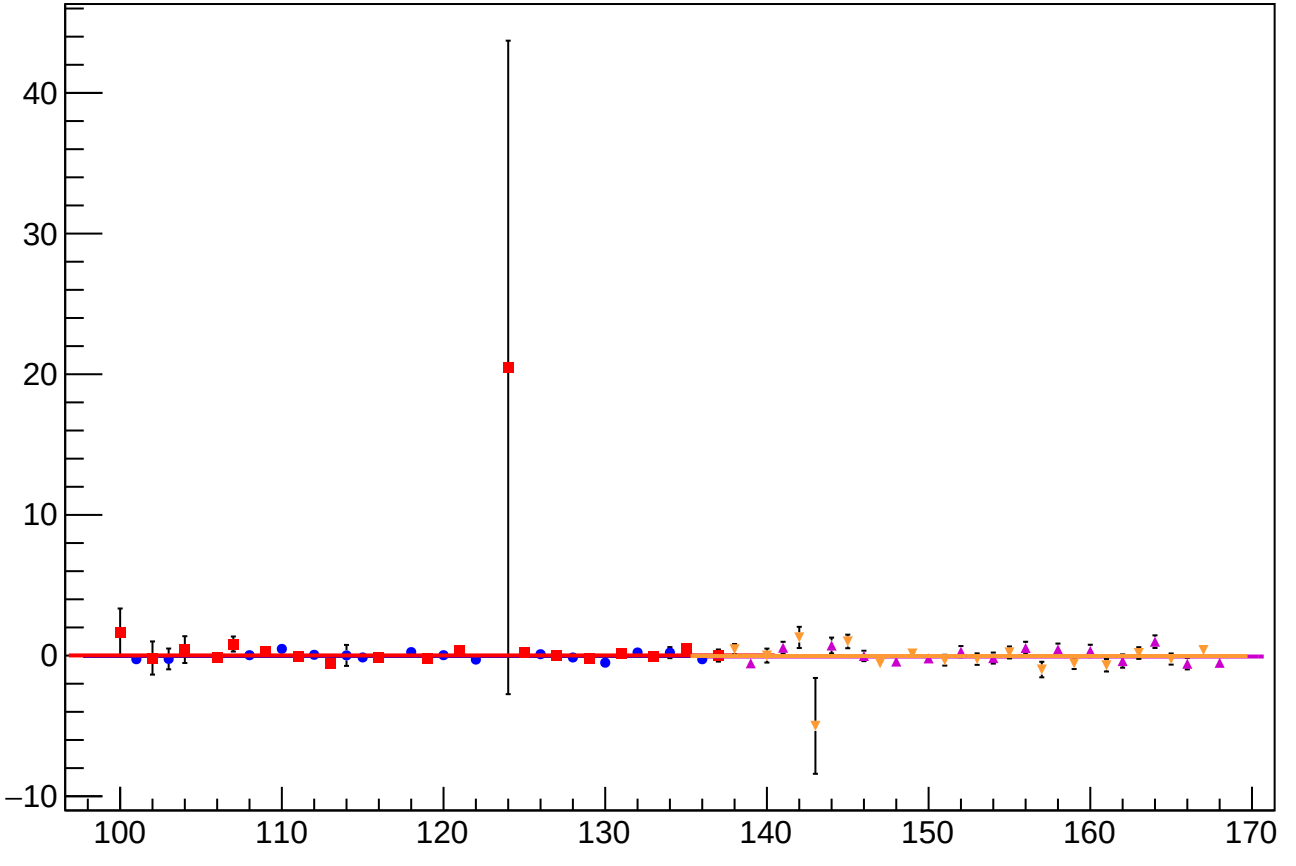
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5674055.2/30

Out: 0.000+/-0.000 χ^2/NDF:7740473.1/34

All: 0.000+/-0.000 χ^2/NDF: 14596535.1/65

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.067+/-0.098 χ^2/NDF:23.8/14

Left: -0.051+/-0.071 χ^2/NDF: 48.8/30

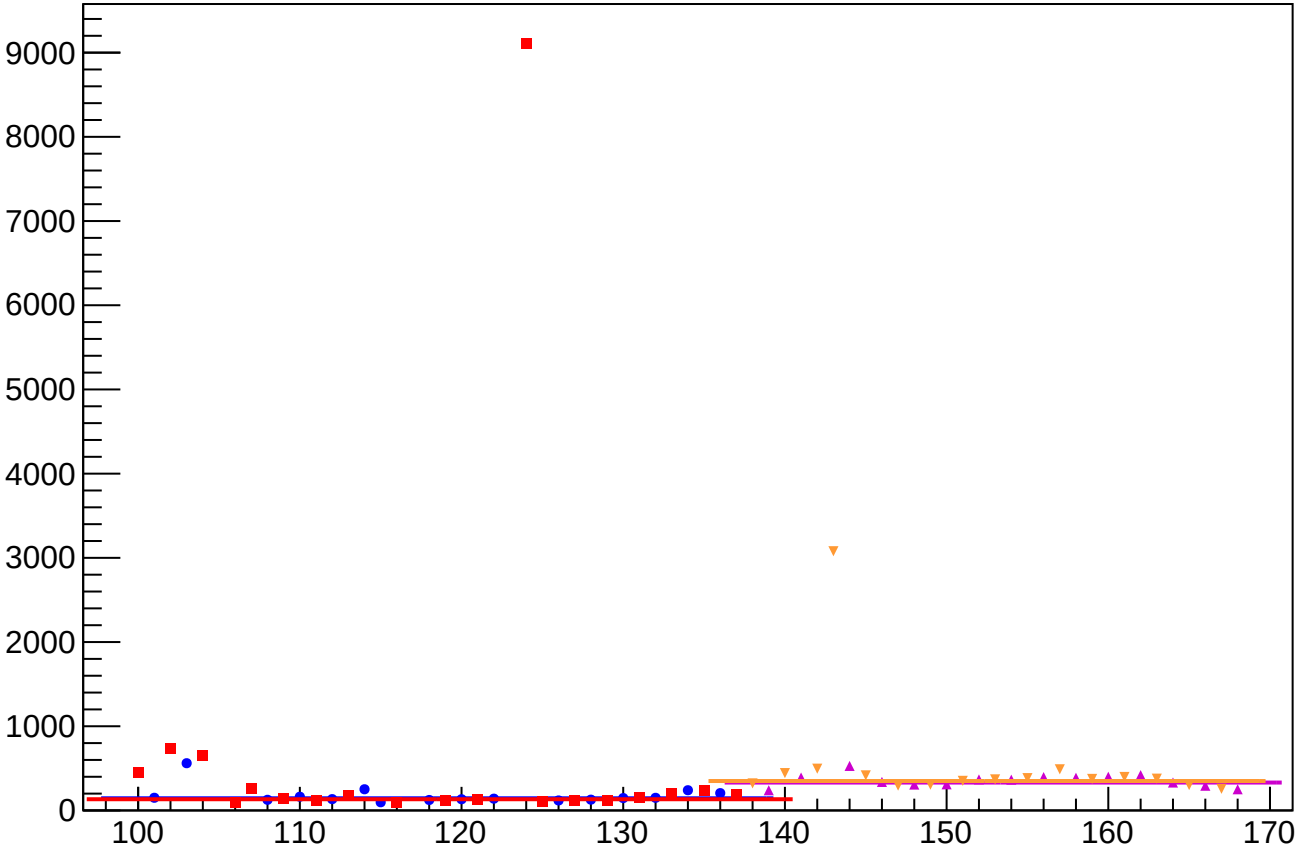
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.050 χ^2/NDF:41.1/30

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.019+/-0.035 χ^2/NDF: 88.4/65

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 349.542+/-0.074 χ^2/NDF:1986922.8/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 331.349+/-0.069 χ^2/NDF:947097.7/14

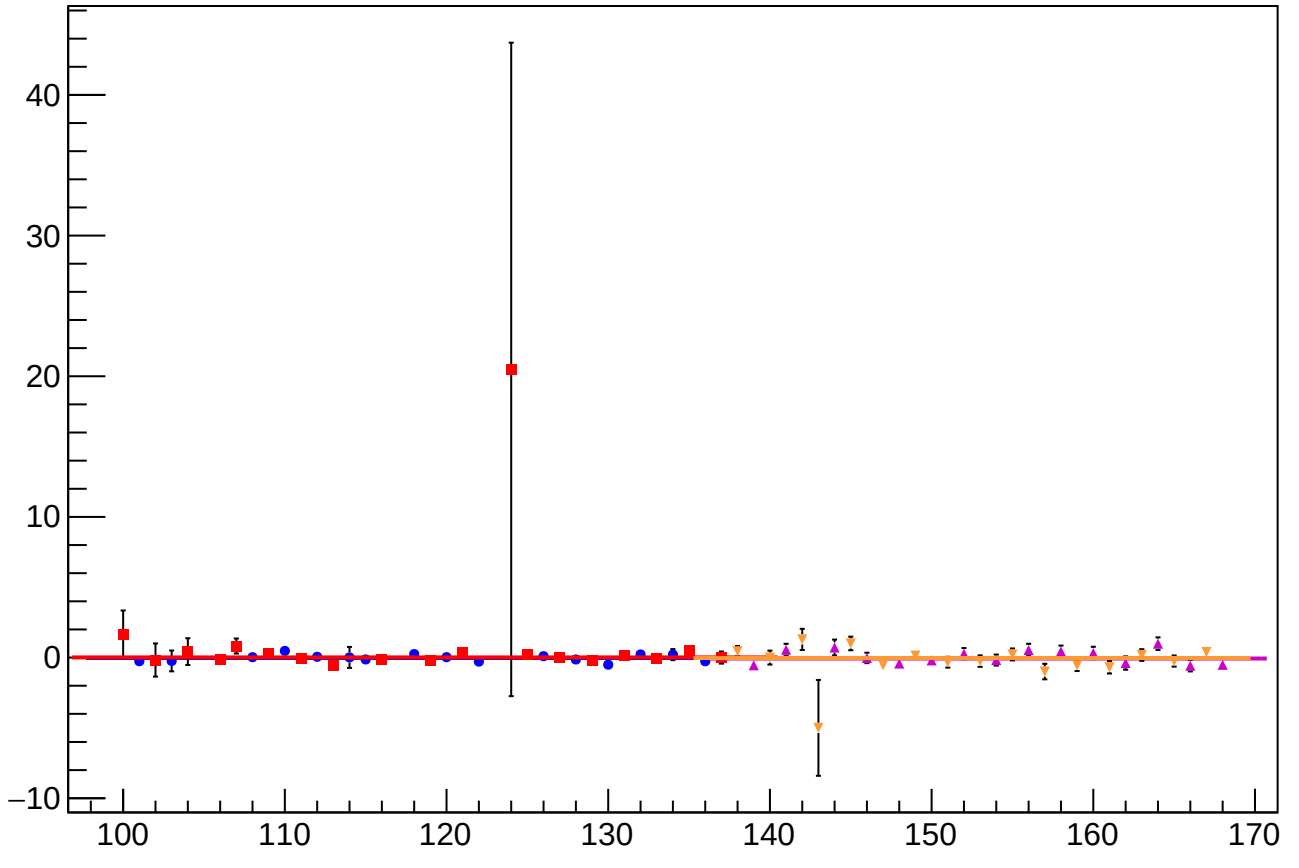
Left: 339.860+/-0.050 χ^2/NDF: 2966535.1/30

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.905+/-0.035 χ^2/NDF:7514699.5/30

Out: 182.490+/-0.035 χ^2/NDF:10876843.6/34

All: 187.689+/-0.025 χ^2/NDF: 18435439.2/65



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.067+/-0.098 χ^2/NDF:23.8/14

Left: -0.051+/-0.071 χ^2/NDF: 48.8/30

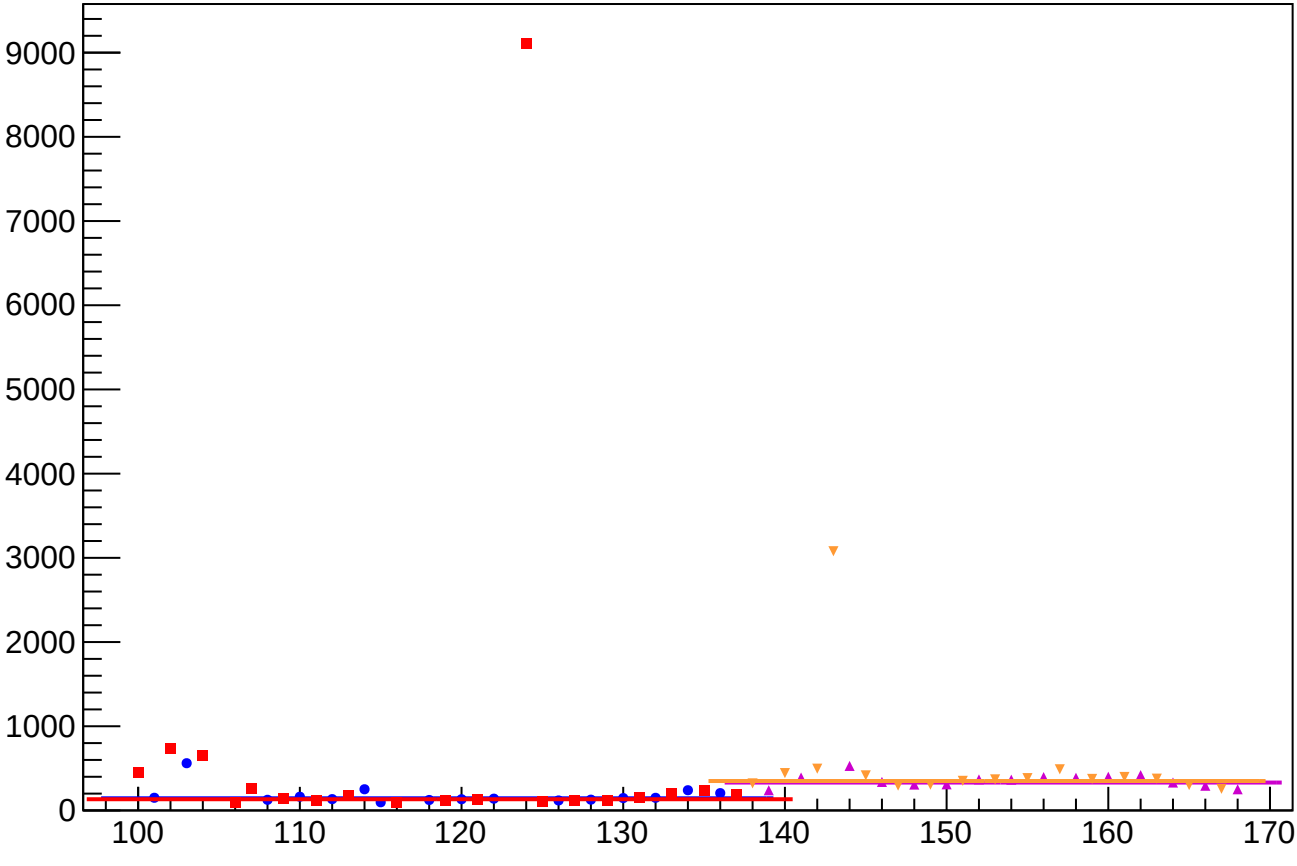
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.050 χ^2/NDF:41.1/30

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.019+/-0.035 χ^2/NDF: 88.4/65

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 349.542+/-0.074 χ^2/NDF:1986922.8/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 331.349+/-0.069 χ^2/NDF:947097.7/14

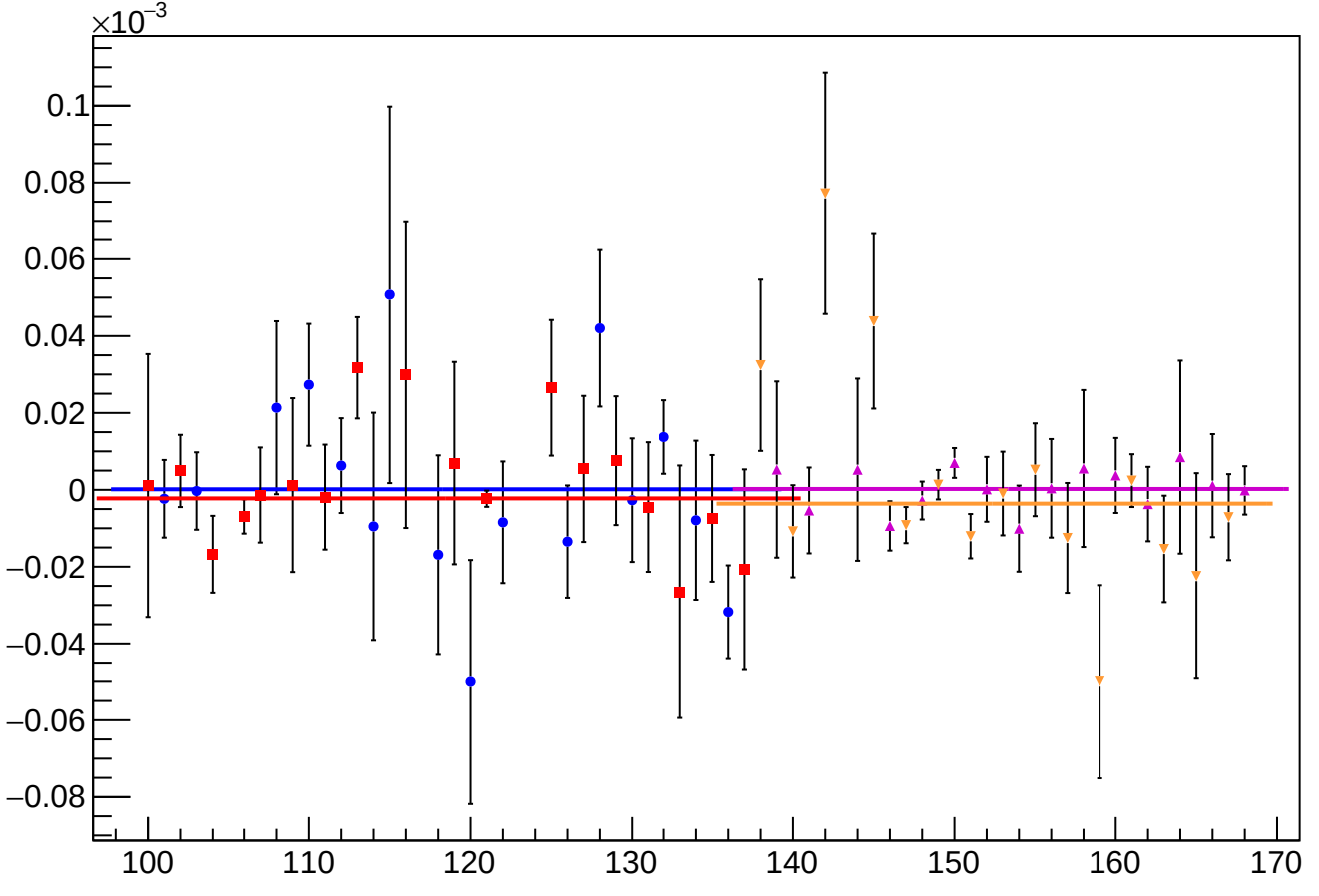
Left: 339.860+/-0.050 χ^2/NDF: 2966535.1/30

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.905+/-0.035 χ^2/NDF:7514699.5/30

Out: 182.490+/-0.035 χ^2/NDF:10876843.6/34

All: 187.689+/-0.025 χ^2/NDF: 18435439.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/14

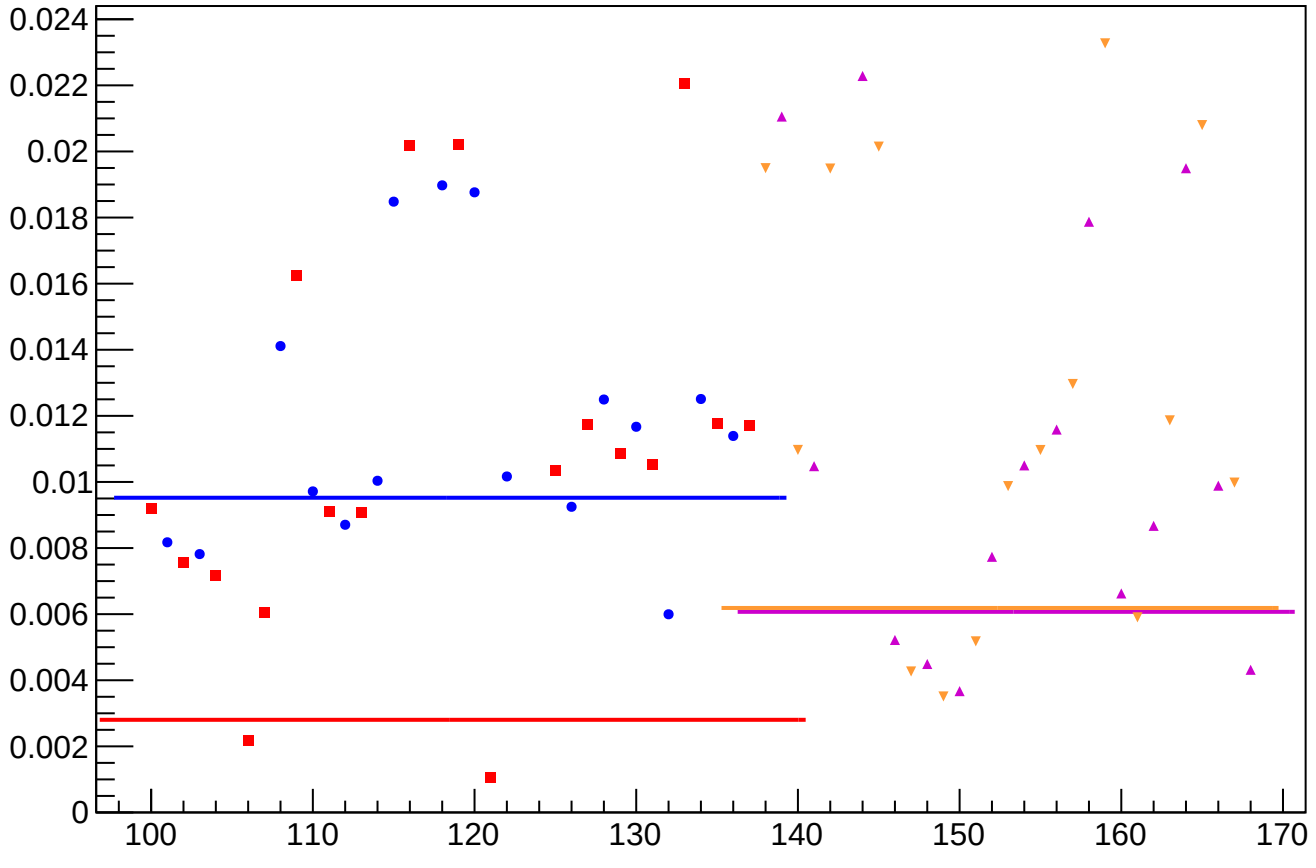
Left: -0.000+/-0.000 χ^2/NDF: 34.5/29

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:30.1/30

Out: -0.000+/-0.000 χ^2/NDF:41.4/32

All: -0.000+/-0.000 χ^2/NDF: 73.3/63



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:6591833.0/14

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5578442.3/14

Left: 0.006+/-0.000 χ^2/NDF: 12173286.4/29

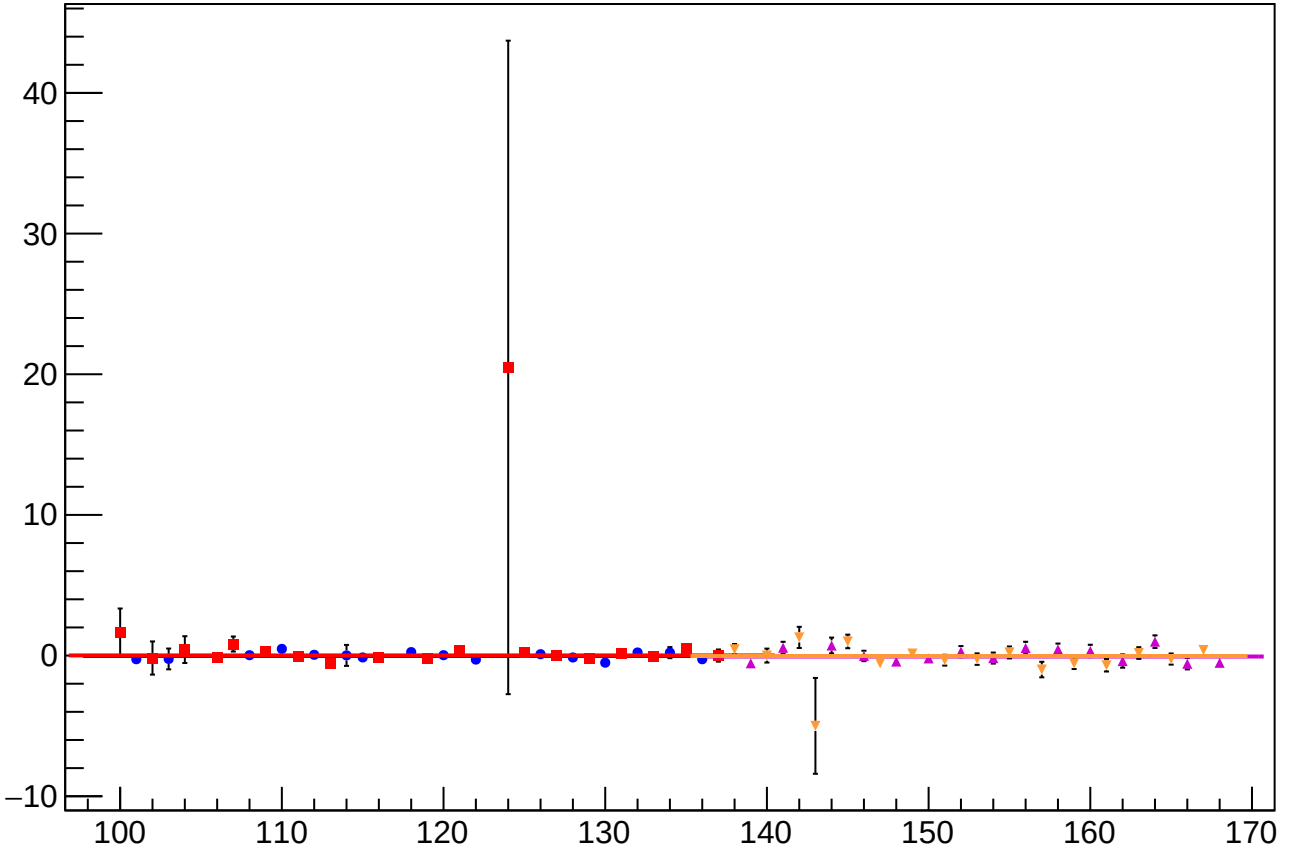
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:8005856.8/30

Out: 0.004+/-0.000 χ^2/NDF:18149947.9/32

All: 0.005+/-0.000 χ^2/NDF: 29160217.5/63

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: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.067+/-0.098 χ^2/NDF:23.8/14

Left: -0.051+/-0.071 χ^2/NDF: 48.8/30

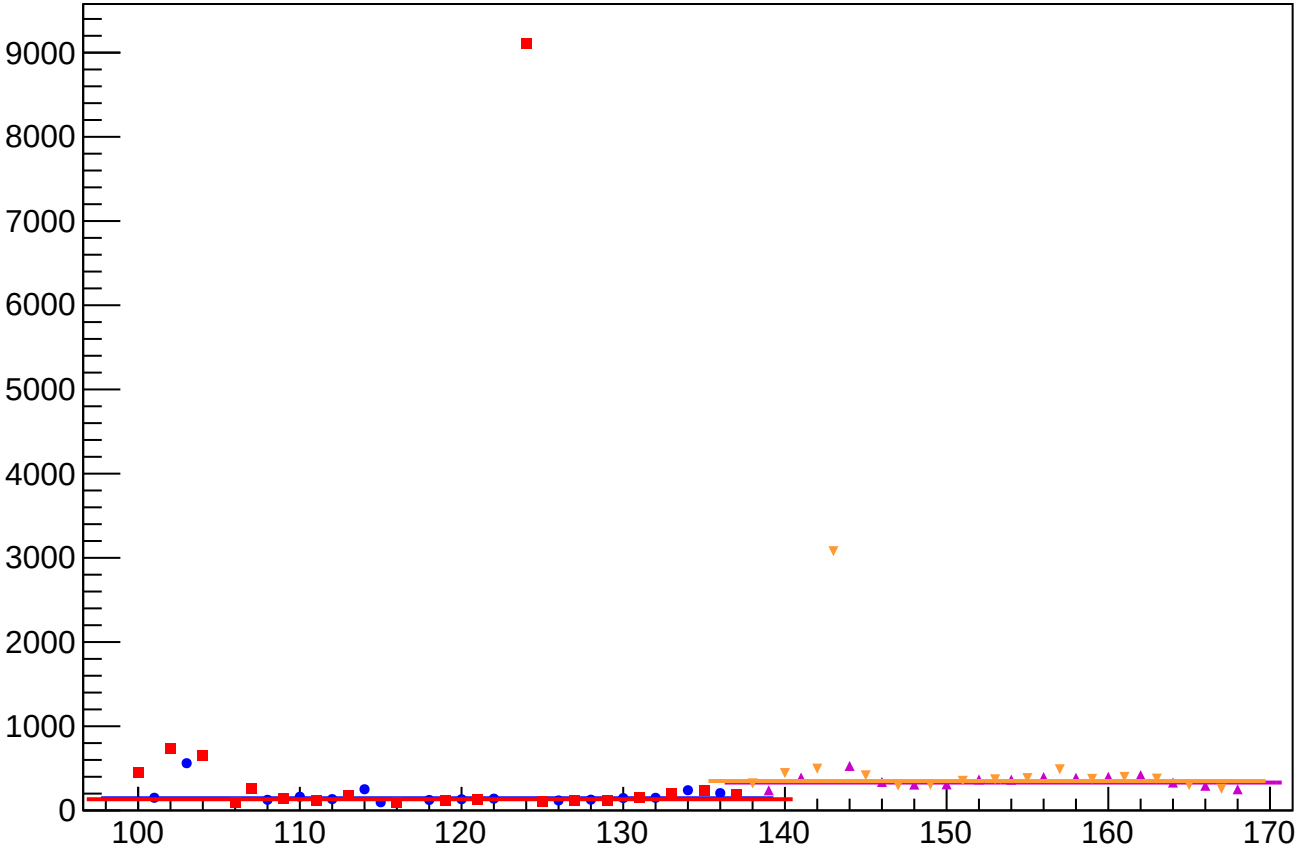
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.050 χ^2/NDF:41.1/30

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.019+/-0.035 χ^2/NDF: 88.4/65

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 349.547+/-0.074 χ^2/NDF:1986960.5/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 331.354+/-0.069 χ^2/NDF:947099.3/14

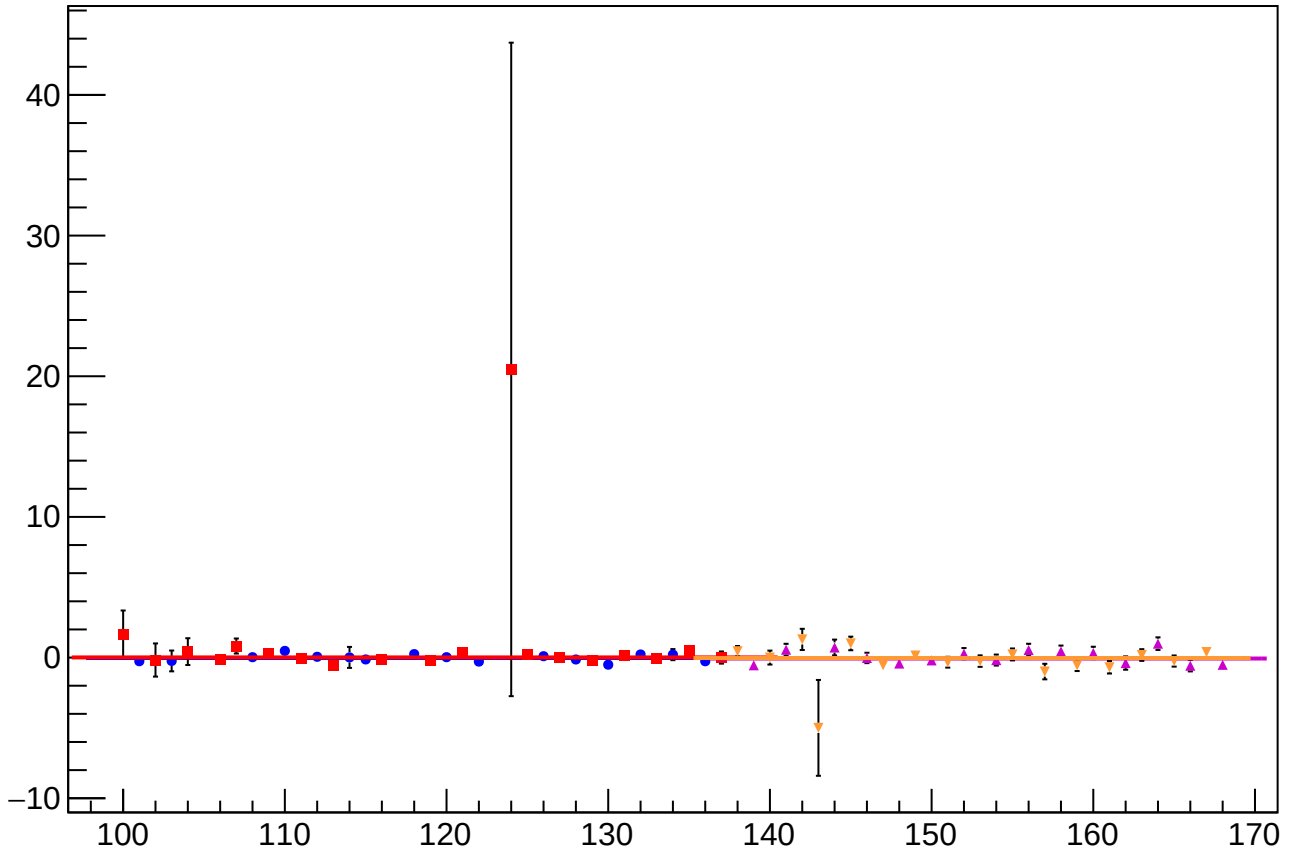
Left: 339.864+/-0.050 χ^2/NDF: 2966572.2/30

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.903+/-0.035 χ^2/NDF:7515000.4/30

Out: 182.490+/-0.035 χ^2/NDF:10877040.3/34

All: 187.688+/-0.025 χ^2/NDF: 18435932.4/65



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.032+/-0.104 χ^2/NDF:25.0/15

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.067+/-0.098 χ^2/NDF:23.8/14

Left: -0.051+/-0.071 χ^2/NDF: 48.8/30

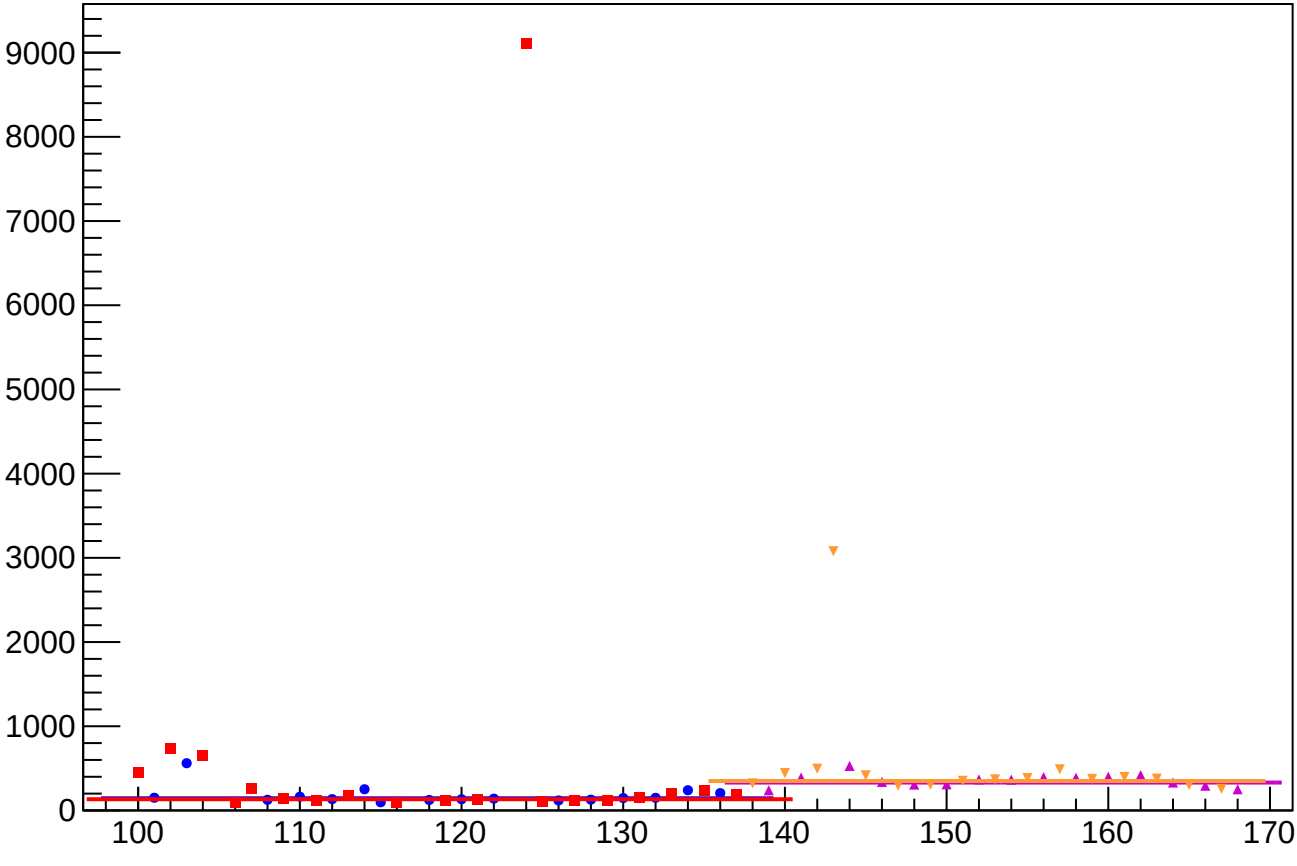
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.039+/-0.050 χ^2/NDF:41.1/30

Out: 0.001+/-0.050 χ^2/NDF:46.9/34

All: -0.019+/-0.035 χ^2/NDF: 88.4/65

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: 349.547+/-0.074 χ^2/NDF:1986960.5/15

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 331.354+/-0.069 χ^2/NDF:947099.3/14

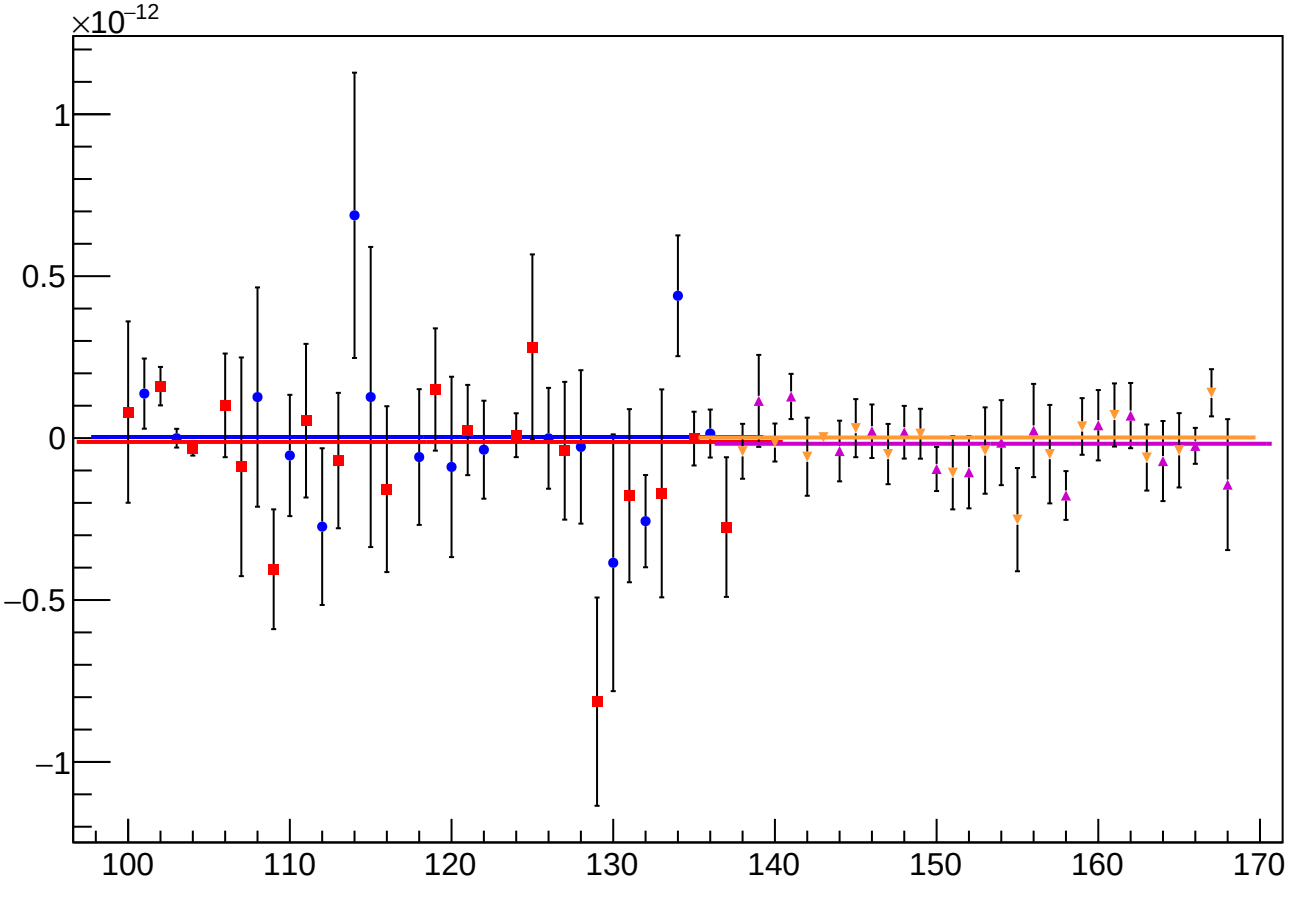
Left: 339.864+/-0.050 χ^2/NDF: 2966572.2/30

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.903+/-0.035 χ^2/NDF:7515000.4/30

Out: 182.490+/-0.035 χ^2/NDF:10877040.3/34

All: 187.688+/-0.025 χ^2/NDF: 18435932.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/14

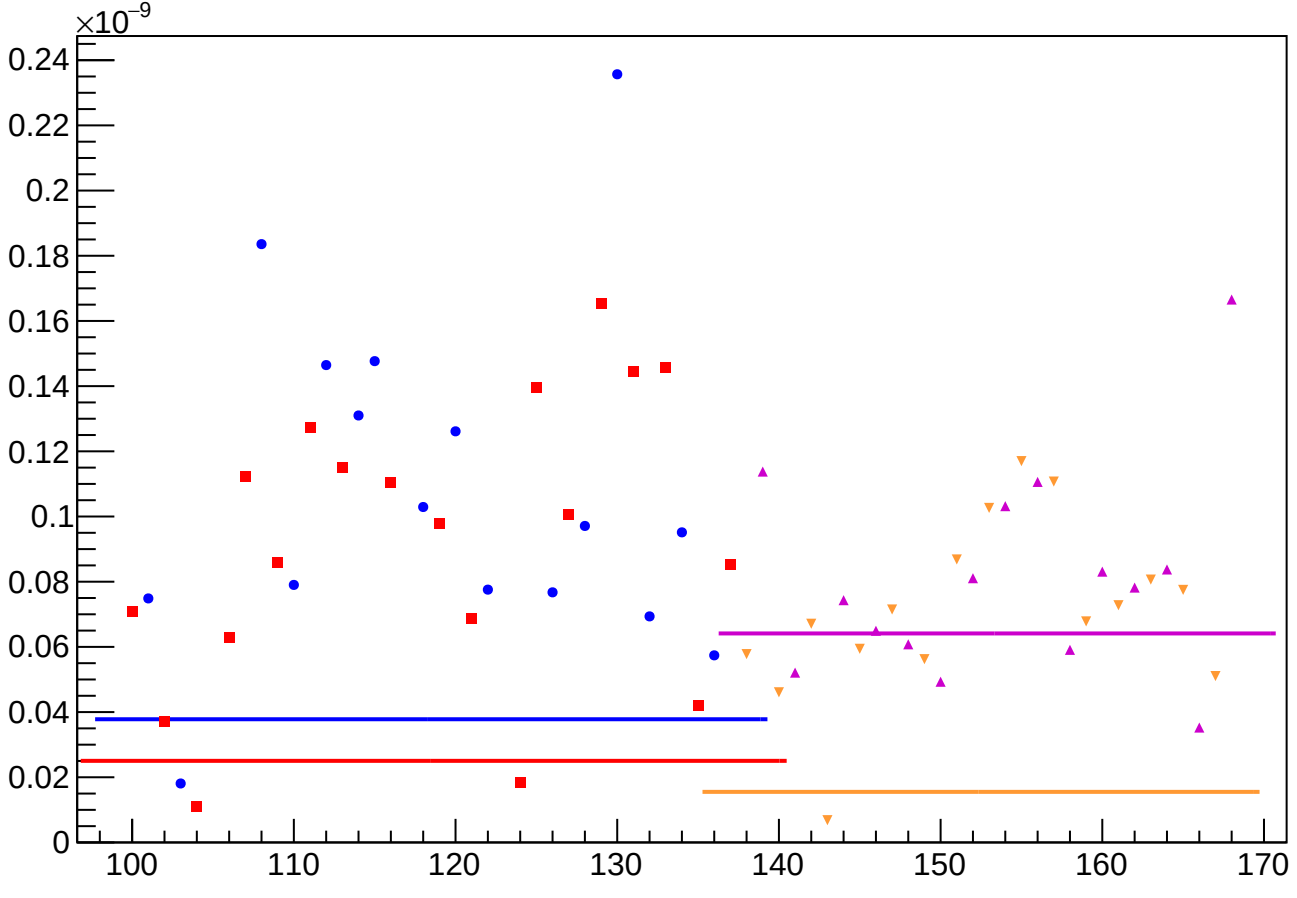
Left: -0.000+/-0.000 χ^2/NDF: 23.8/30

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.9/30

Out: -0.000+/-0.000 χ^2/NDF:35.0/34

All: -0.000+/-0.000 χ^2/NDF: 64.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11184589.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2071142.1/14

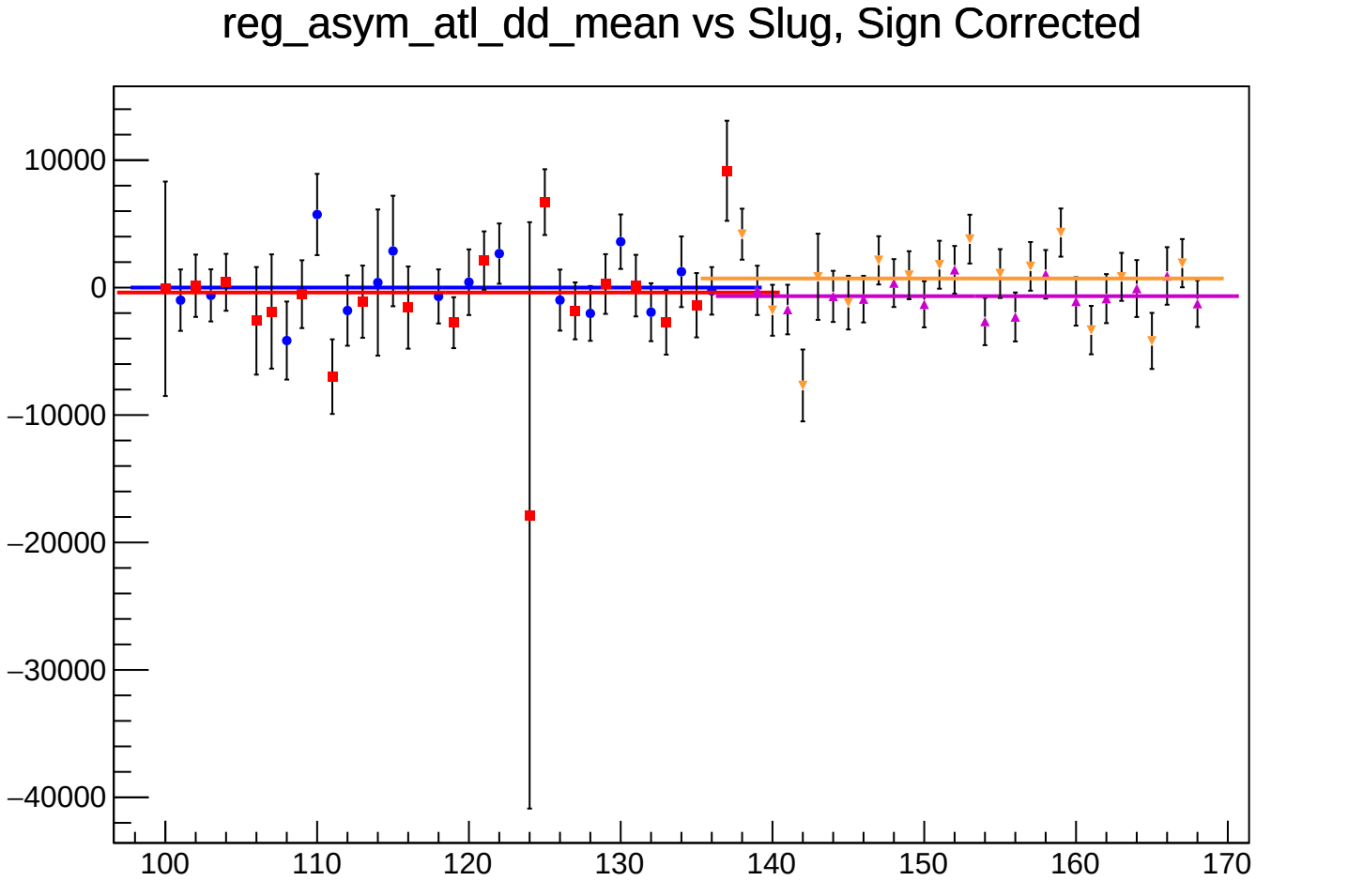
Left: 0.000+/-0.000 χ^2/NDF: 20768492.4/30

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

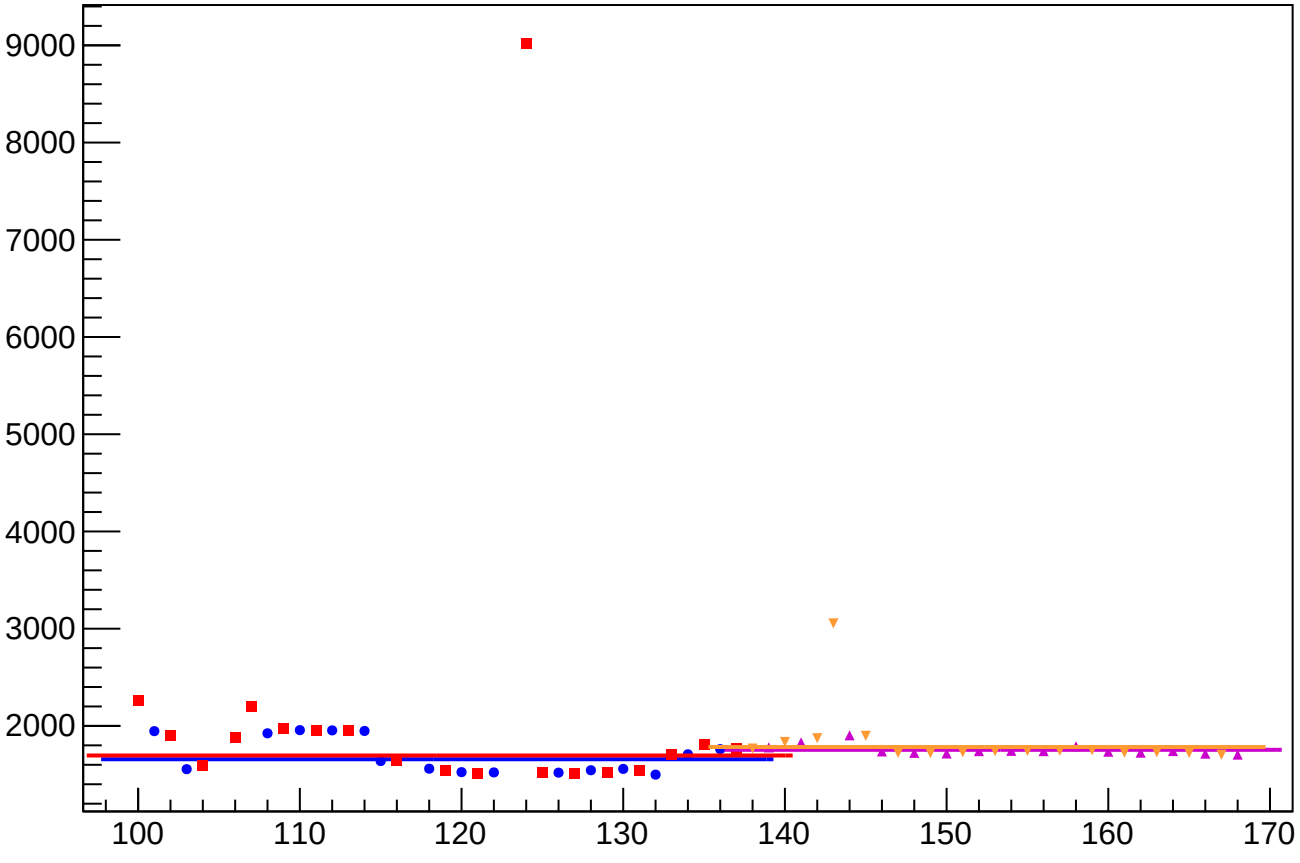
In: 0.000+/-0.000 χ^2/NDF:7256710.0/30

Out: 0.000+/-0.000 χ^2/NDF:16307691.3/34

All: 0.000+/-0.000 χ^2/NDF: 30175054.1/65


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 716.316+/-504.582 χ²/NDF:31.6/15
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -671.096+/-498.112 χ²/NDF:5.4/14
Left: 13.658+/-354.484 χ²/NDF: 40.8/30
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -406.082+/-388.291 χ²/NDF:18.6/30
Out: 289.076+/-394.729 χ²/NDF:57.5/34
All: -64.219+/-276.811 χ²/NDF: 77.6/65

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

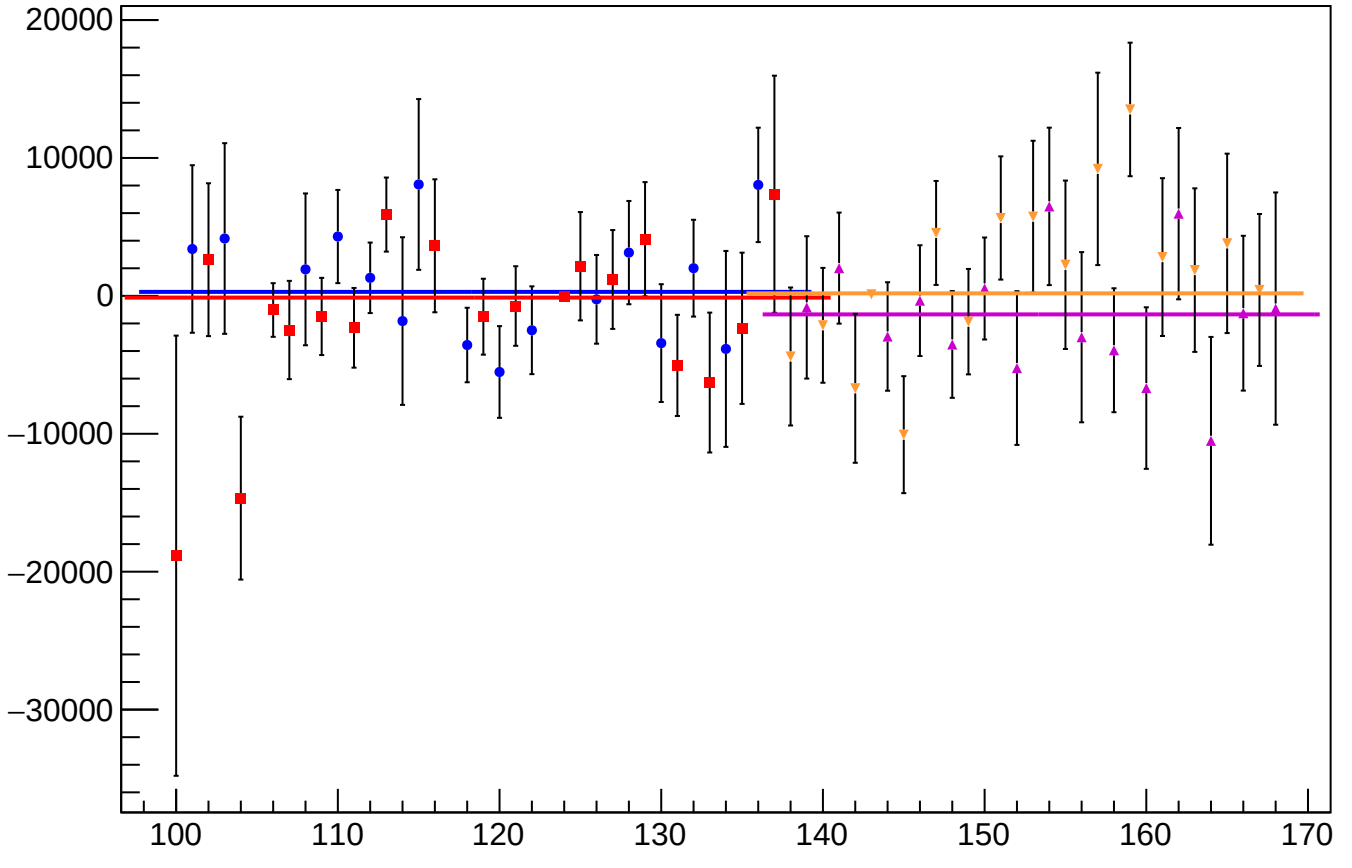
Left: 1768.316+/-0.251 χ^2/NDF: 333209.6/30

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1716.101+/-0.275 χ^2/NDF:193591.2/30

Out: 1748.803+/-0.279 χ^2/NDF:719642.7/34

All: 1732.212+/-0.196 χ^2/NDF: 920222.8/65



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 181.598+/-350.130 χ^2/NDF:22.8/15

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1343.851+/-1267.066 χ^2/NDF:8.0/14

Left: 73.380+/-337.482 χ^2/NDF: 32.1/30

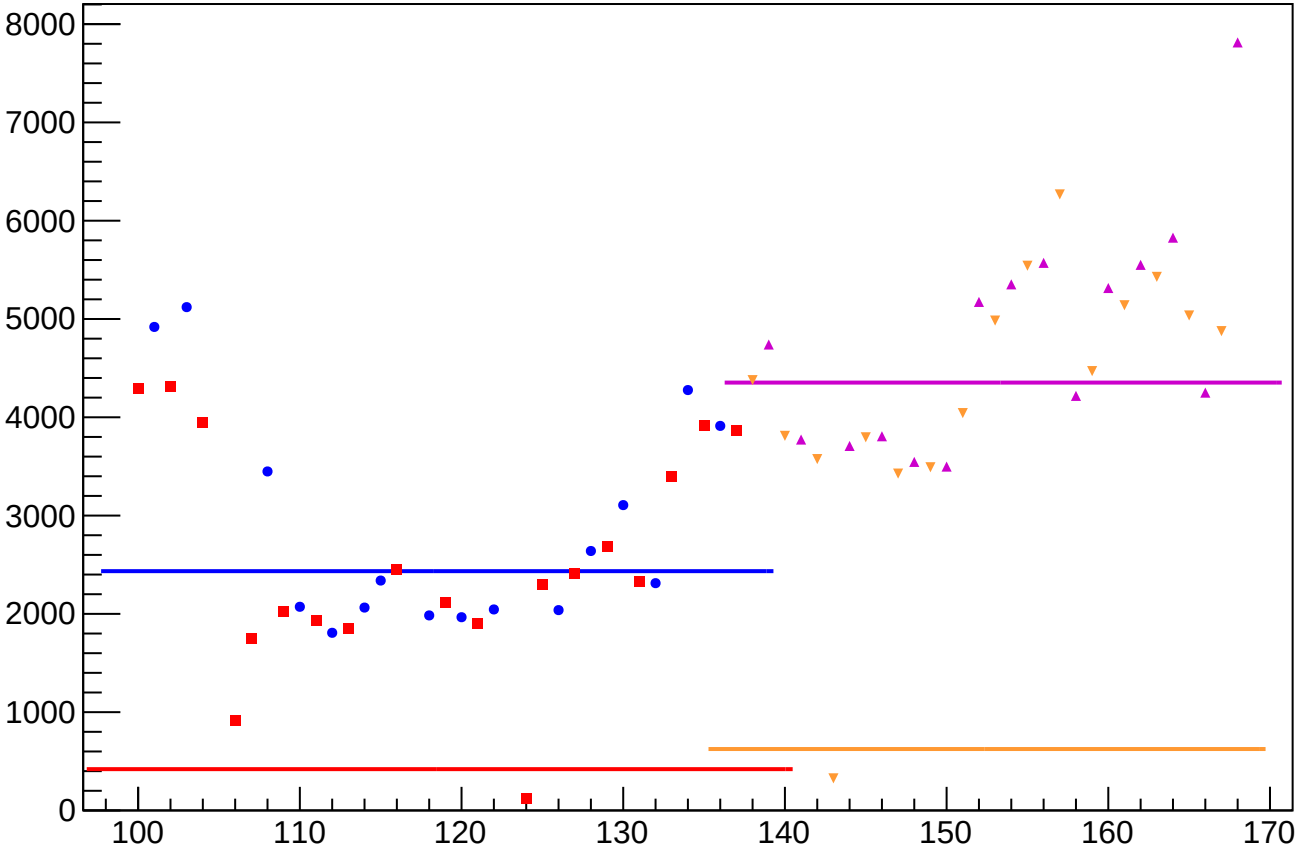
Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -307.167+/-765.721 χ^2/NDF:24.3/30

Out: 15.983+/-237.691 χ^2/NDF:44.0/34

All: -12.419+/-227.006 χ^2/NDF: 68.5/65

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 624.955+/-0.248 χ^2/NDF:18543567.4/15

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4353.035+/-0.896 χ^2/NDF:1064869.1/14

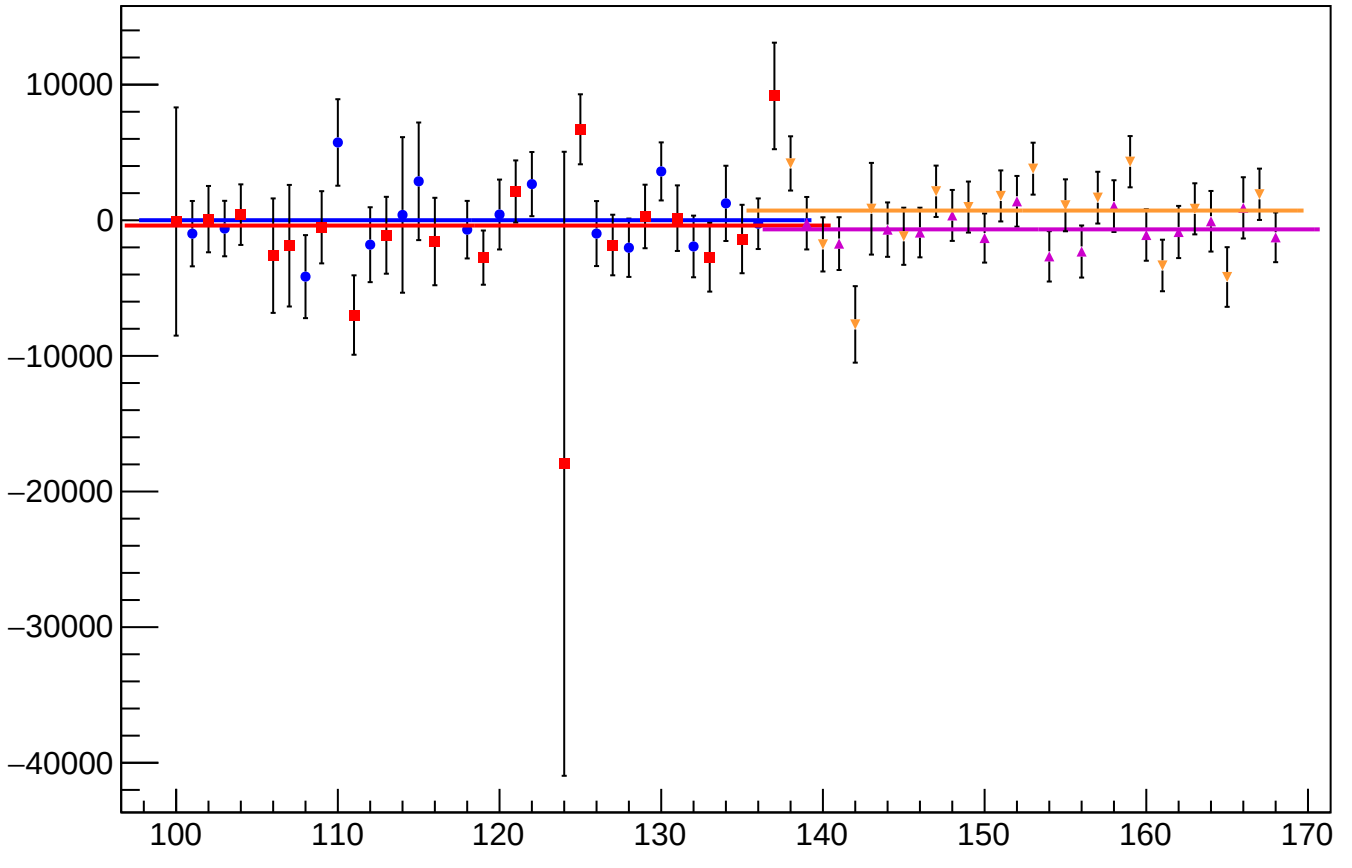
Left: 889.432+/-0.239 χ^2/NDF: 35694319.2/30

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3135.227+/-0.541 χ^2/NDF:5433033.6/30

Out: 514.613+/-0.168 χ^2/NDF:29975966.4/34

All: 744.936+/-0.161 χ^2/NDF: 56775974.6/65



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -671.125+/-498.112 χ^2/NDF:5.4/14

Left: 13.616+/-354.484 χ^2/NDF: 40.8/30

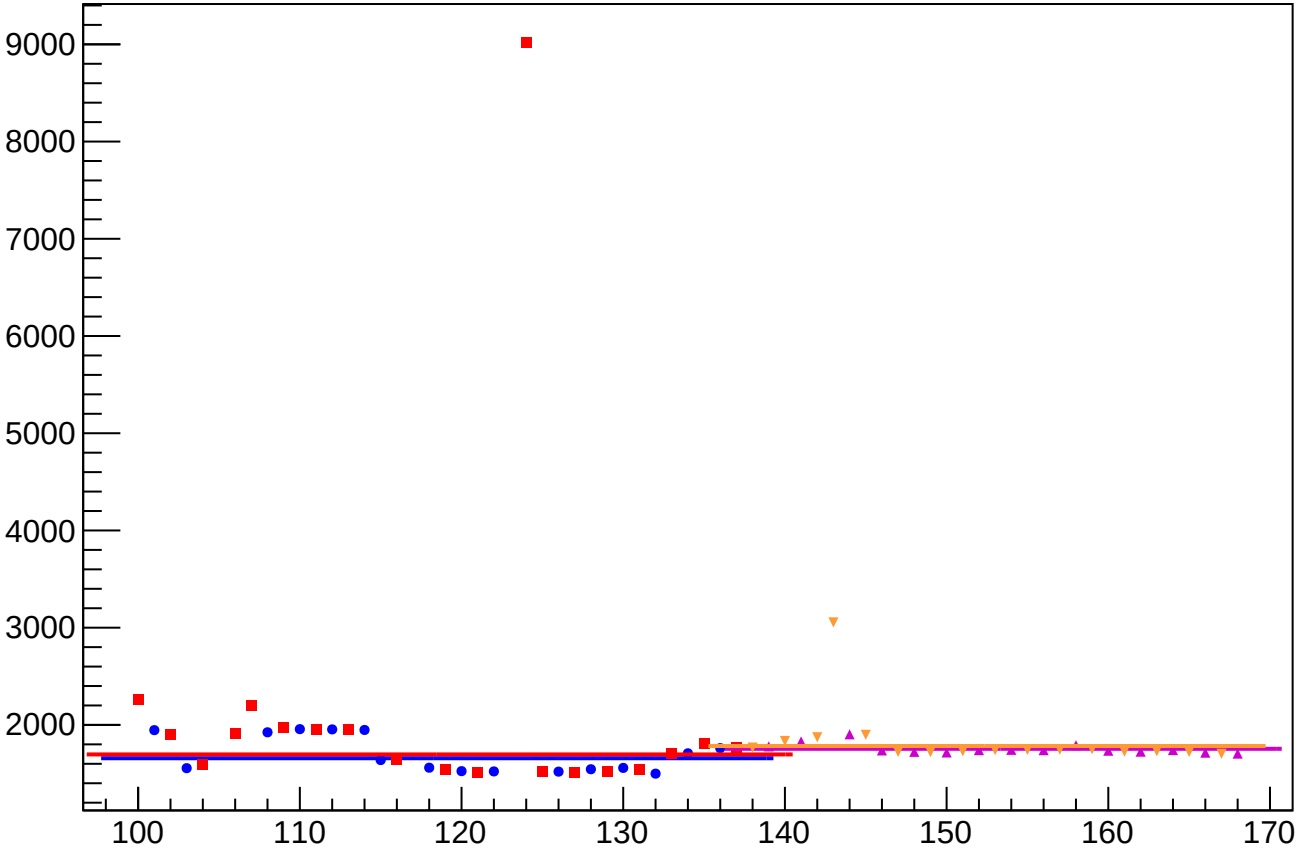
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -406.130+/-388.291 χ^2/NDF:18.6/30

Out: 287.379+/-394.731 χ^2/NDF:57.5/34

All: -65.079+/-276.812 χ^2/NDF: 77.6/65

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

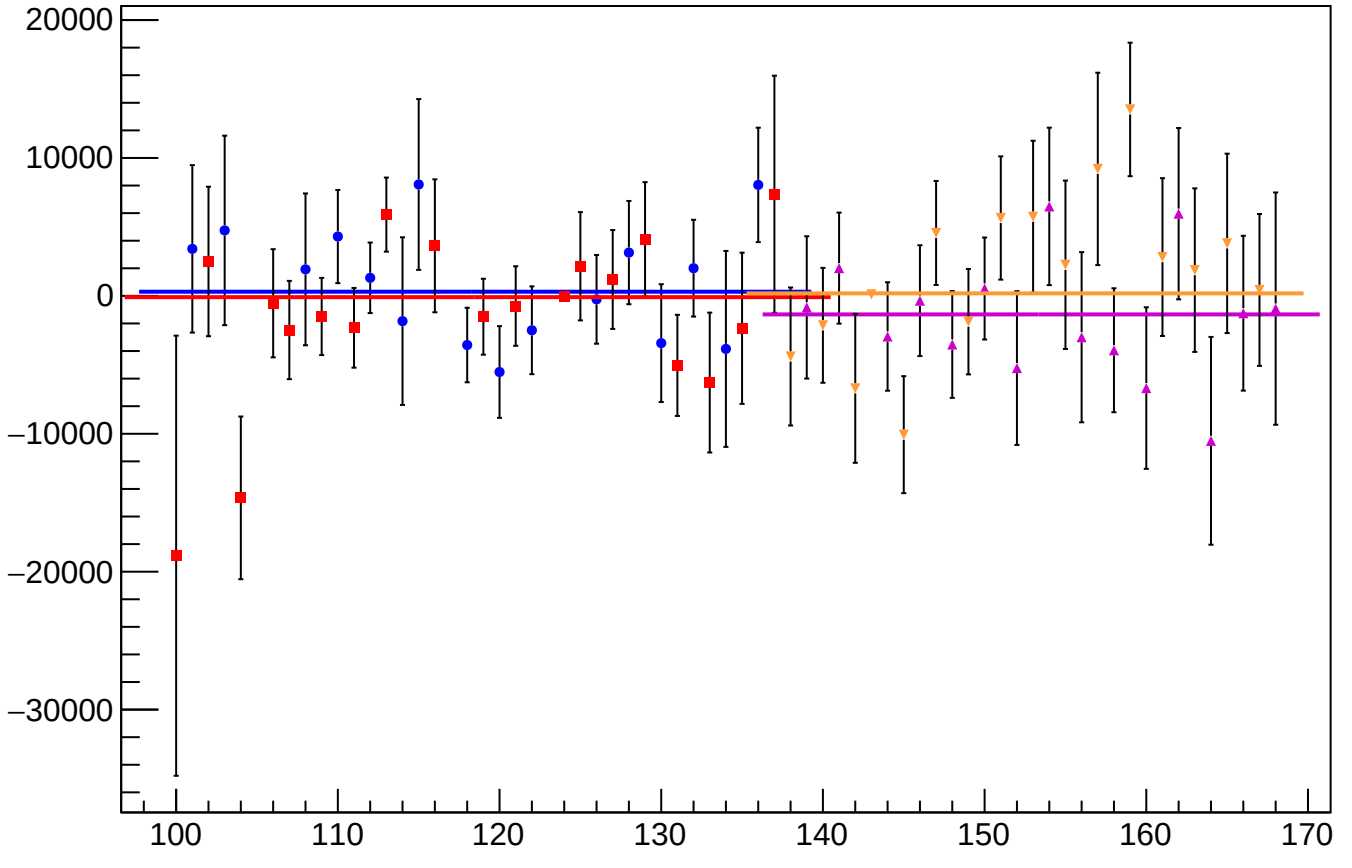
Left: 1768.316+/-0.251 χ^2/NDF: 333209.6/30

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.101+/-0.275 χ^2/NDF:193591.3/30

Out: 1749.132+/-0.279 χ^2/NDF:720965.4/34

All: 1732.372+/-0.196 χ^2/NDF: 921685.8/65



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1343.873+/-1267.065 χ^2/NDF:8.0/14

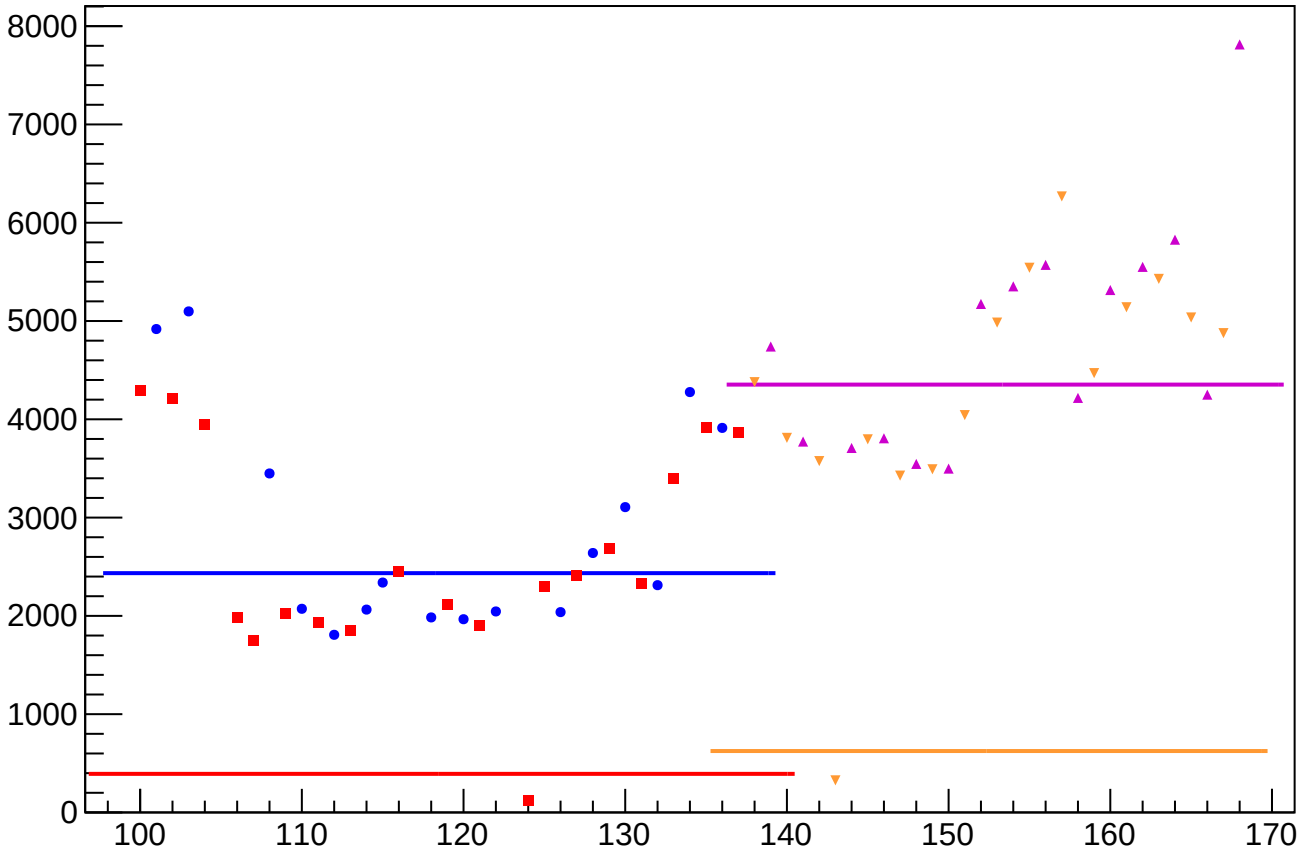
Left: 73.792+/-337.459 χ^2/NDF: 32.1/30

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -299.098+/-765.661 χ^2/NDF:24.4/30

Out: 30.782+/-234.480 χ^2/NDF:43.7/34

All: 2.497+/-224.202 χ^2/NDF: 68.3/65



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4353.032+/-0.896 χ^2/NDF:1064860.3/14

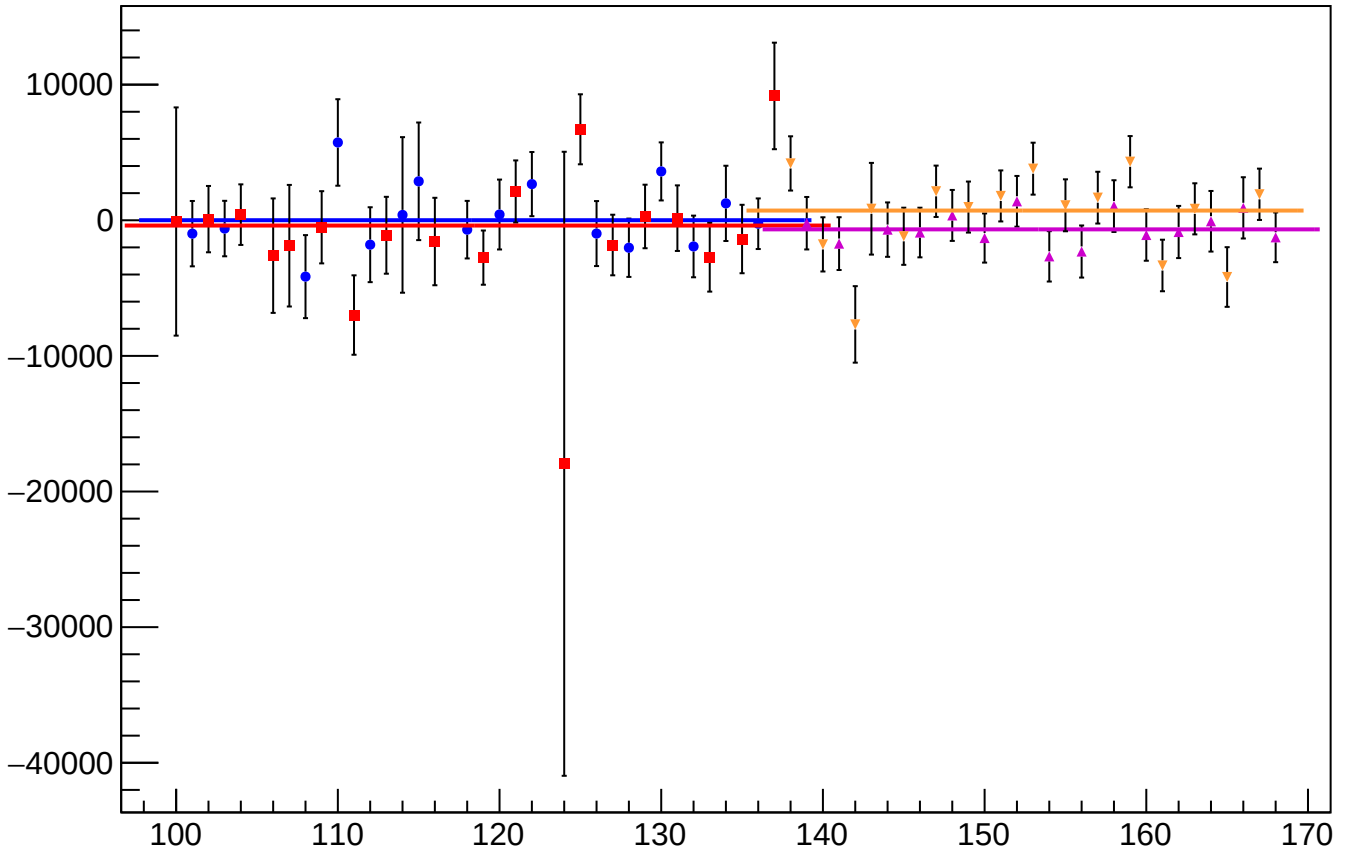
Left: 889.331+/-0.239 χ^2/NDF: 35695550.6/30

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3135.222+/-0.541 χ^2/NDF:5431085.3/30

Out: 496.828+/-0.166 χ^2/NDF:30437251.8/34

All: 723.055+/-0.159 χ^2/NDF: 57580559.0/65



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 716.260+/-504.582 χ^2/NDF:31.6/15

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -671.125+/-498.112 χ^2/NDF:5.4/14

Left: 13.616+/-354.484 χ^2/NDF: 40.8/30

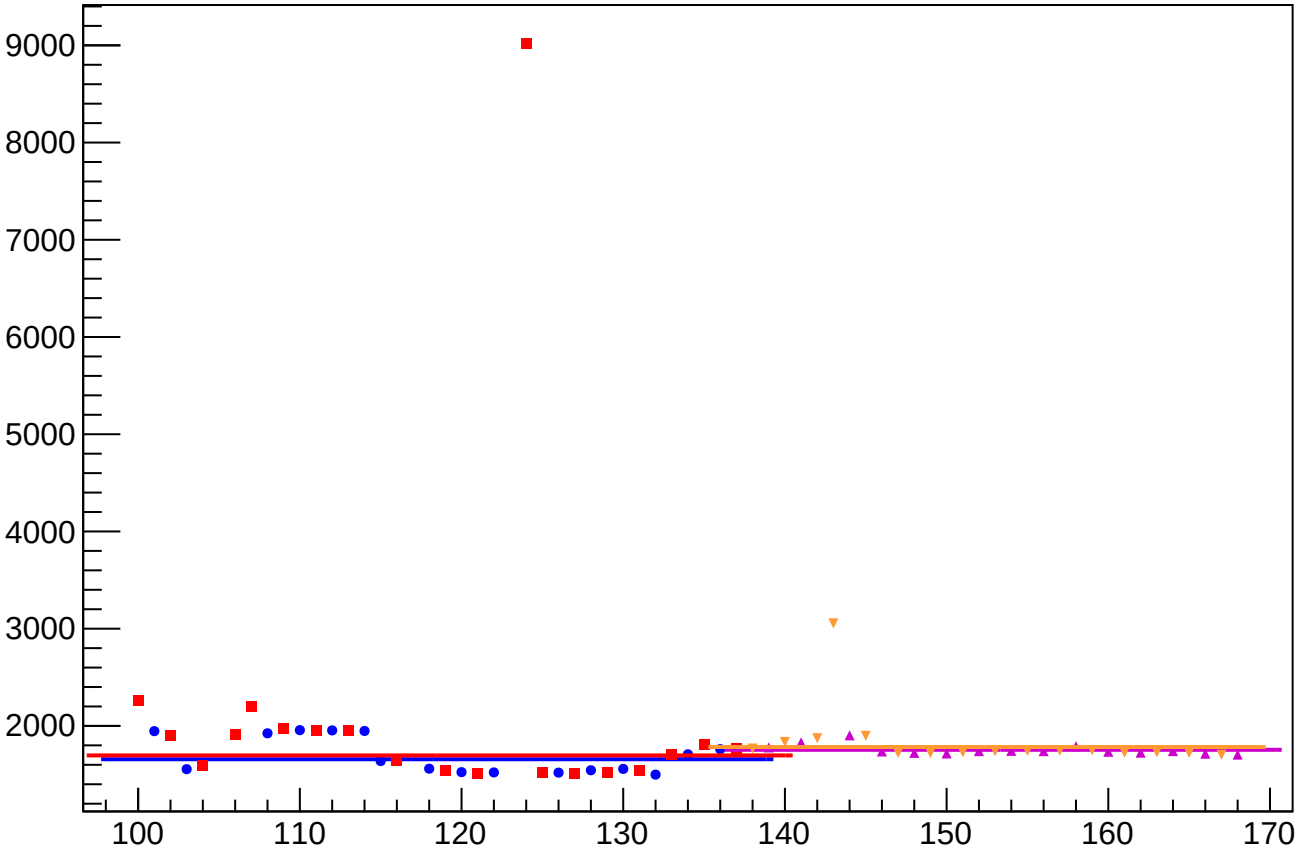
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -406.130+/-388.291 χ^2/NDF:18.6/30

Out: 287.379+/-394.731 χ^2/NDF:57.5/34

All: -65.079+/-276.812 χ^2/NDF: 77.6/65

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1782.817+/-0.357 χ^2/NDF:310135.6/15

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1754.184+/-0.352 χ^2/NDF:19812.3/14

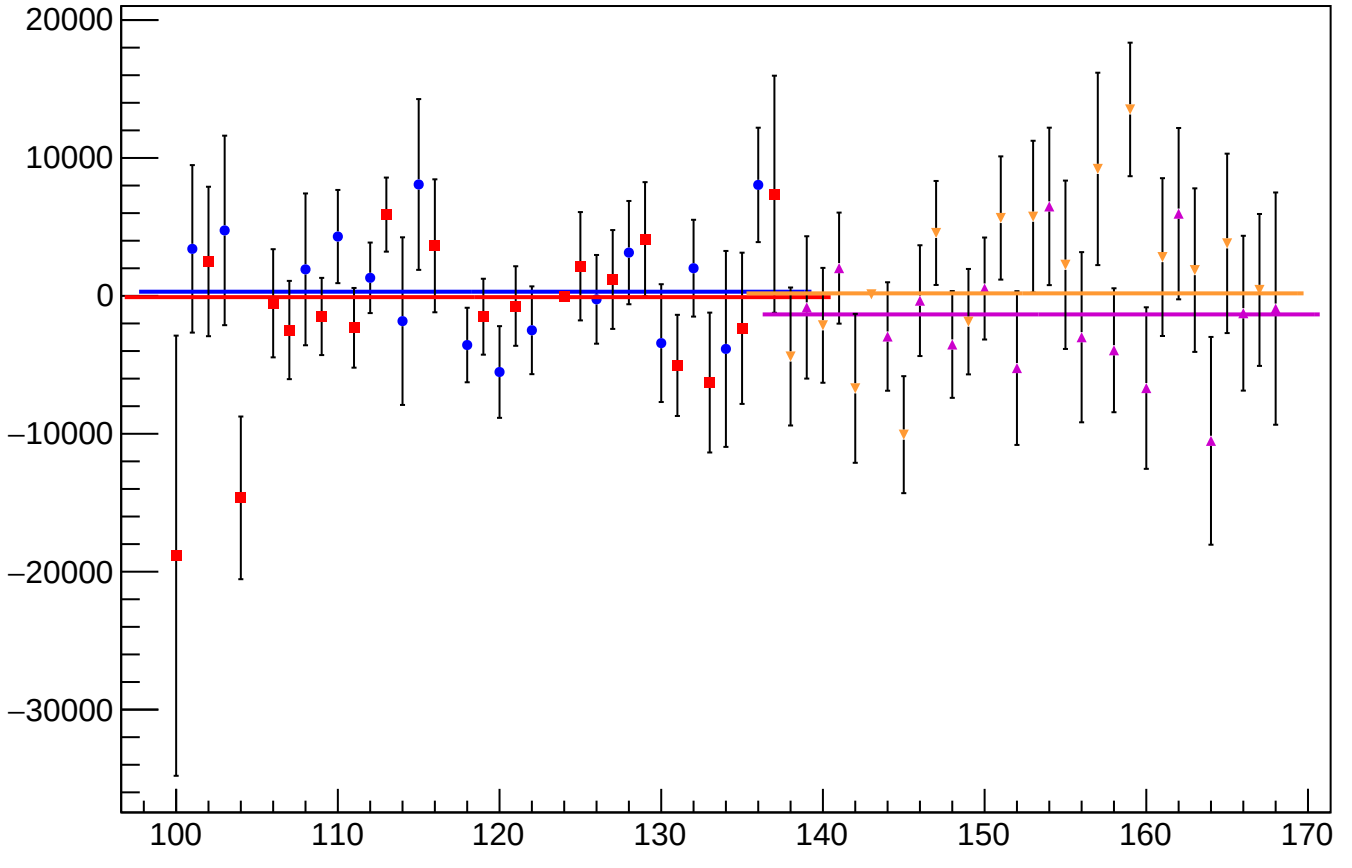
Left: 1768.316+/-0.251 χ^2/NDF: 333209.6/30

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.101+/-0.275 χ^2/NDF:193591.3/30

Out: 1749.132+/-0.279 χ^2/NDF:720965.4/34

All: 1732.372+/-0.196 χ^2/NDF: 921685.8/65



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 182.028+/-350.105 χ^2/NDF:22.8/15

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1343.873+/-1267.065 χ^2/NDF:8.0/14

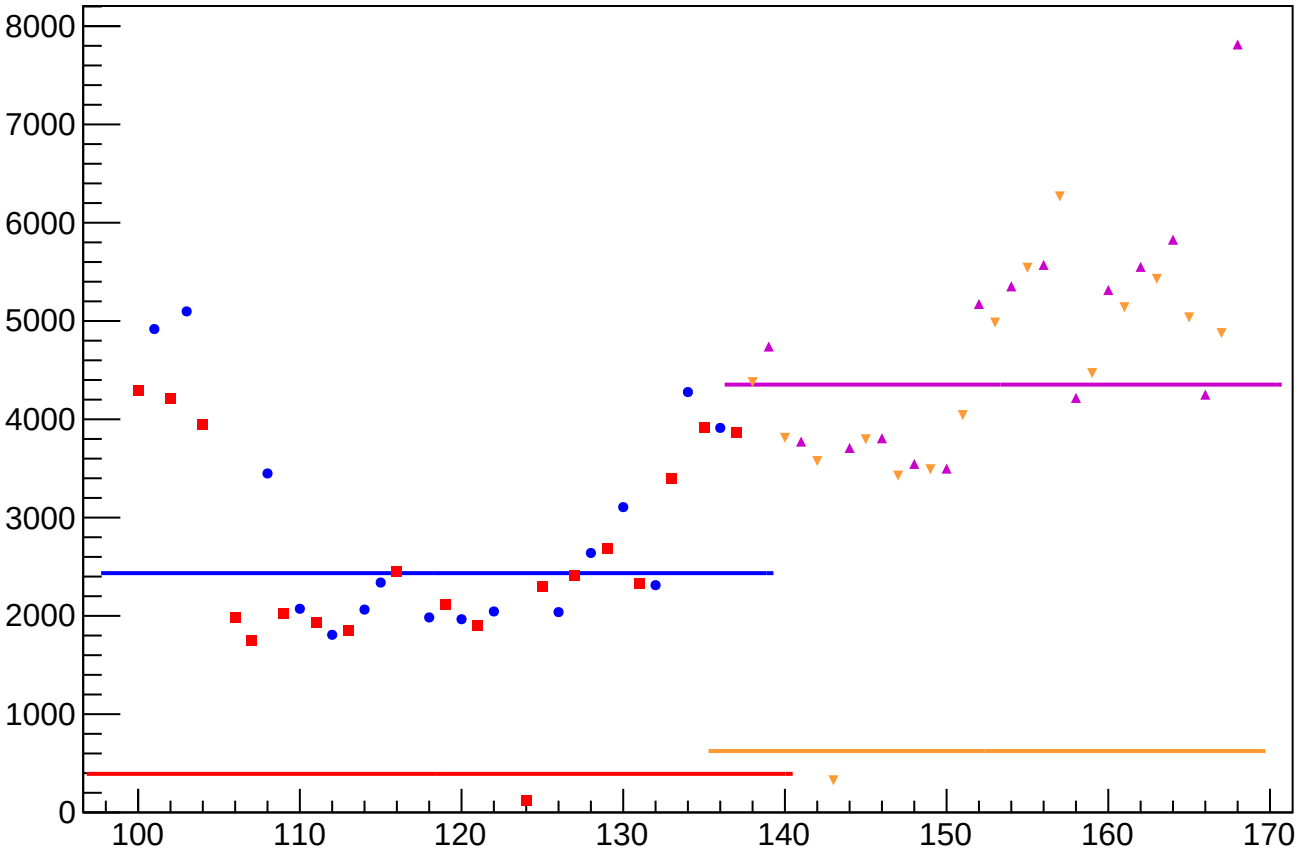
Left: 73.792+/-337.459 χ^2/NDF: 32.1/30

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -299.098+/-765.661 χ^2/NDF:24.4/30

Out: 30.782+/-234.480 χ^2/NDF:43.7/34

All: 2.497+/-224.202 χ^2/NDF: 68.3/65



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 624.884+/-0.248 χ^2/NDF:18544033.2/15

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4353.032+/-0.896 χ^2/NDF:1064860.3/14

Left: 889.331+/-0.239 χ^2/NDF: 35695550.6/30

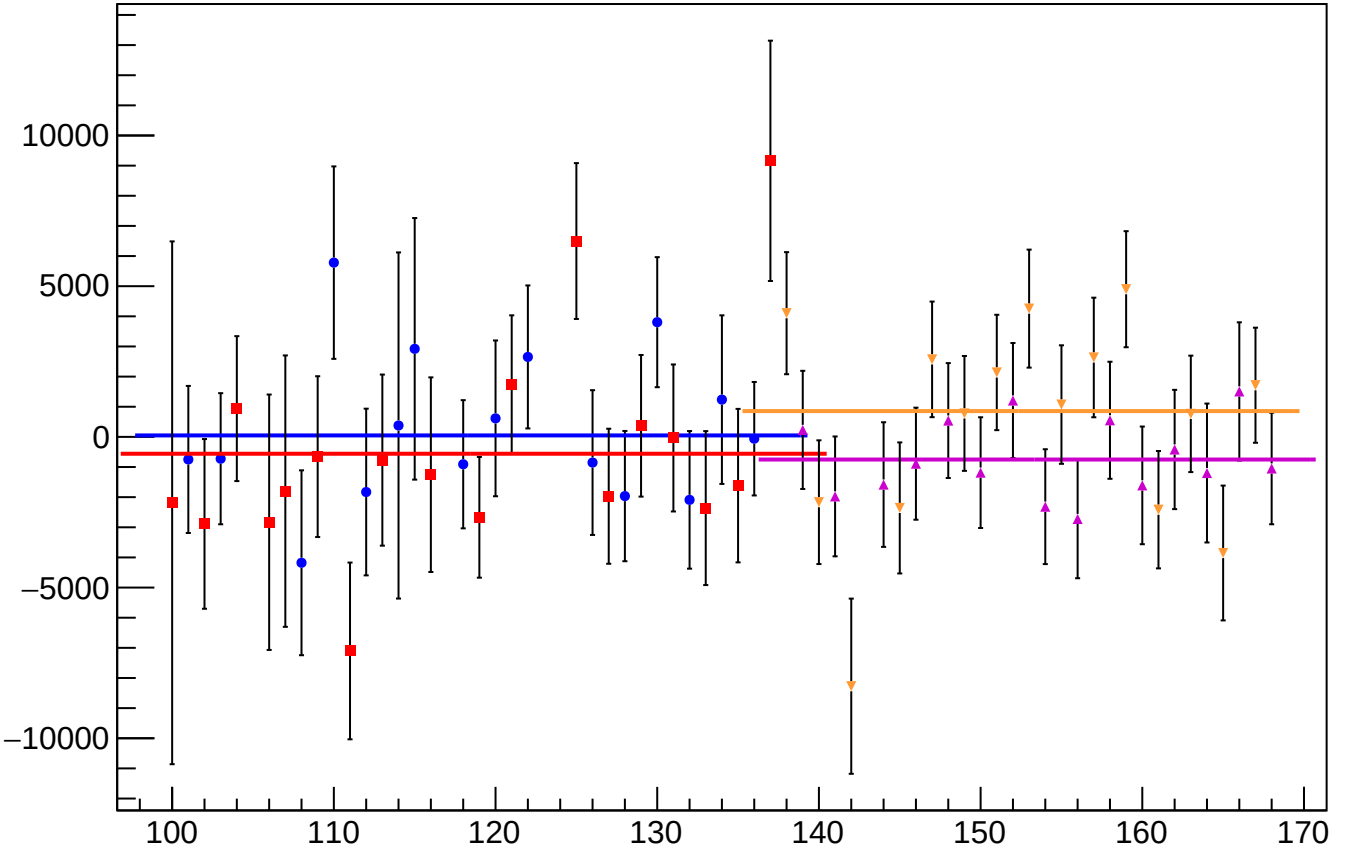
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3135.222+/-0.541 χ^2/NDF:5431085.3/30

Out: 496.828+/-0.166 χ^2/NDF:30437251.8/34

All: 723.055+/-0.159 χ^2/NDF: 57580559.0/65

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.278+/-521.234 χ^2/NDF:33.7/14

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -751.440+/-508.340 χ^2/NDF:5.8/14

Left: 32.288+/-363.924 χ^2/NDF: 44.4/29

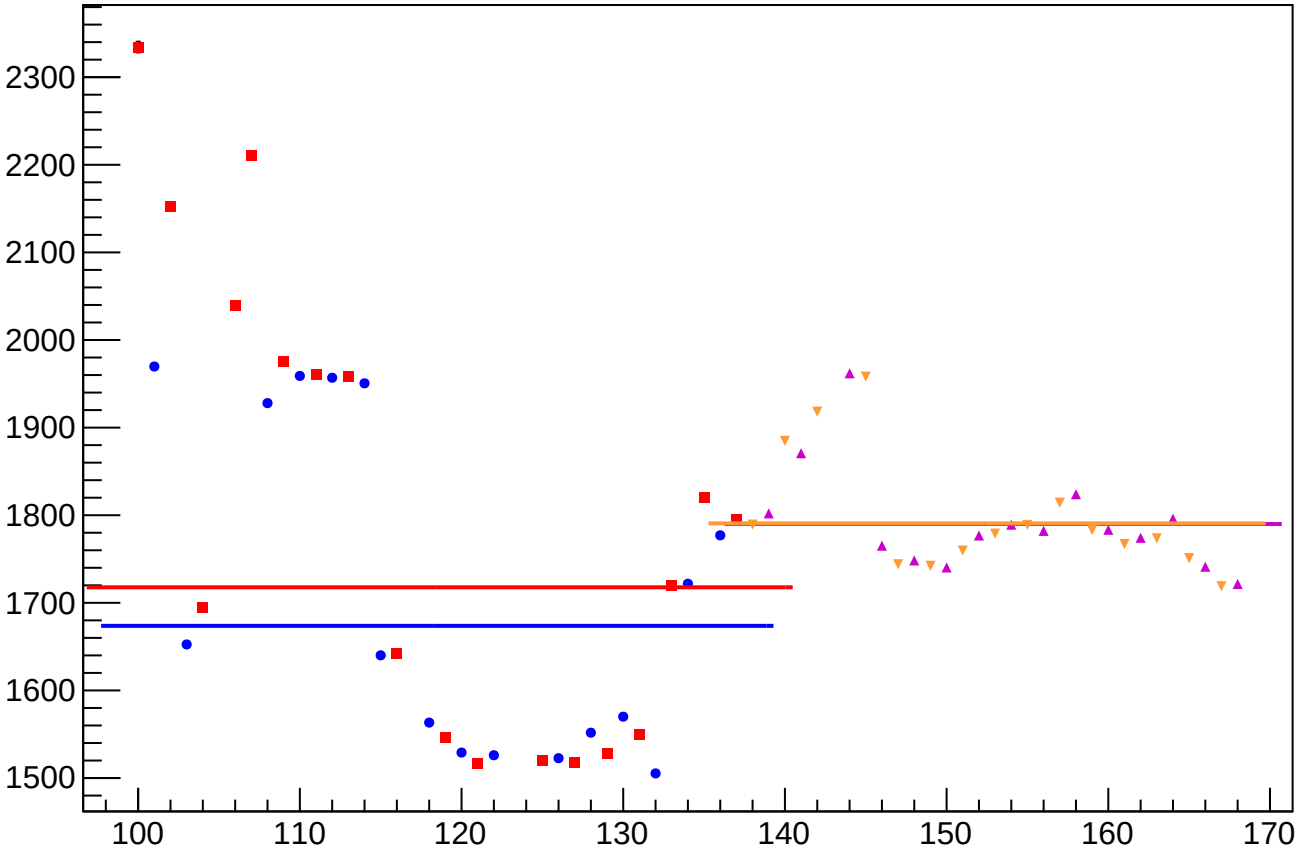
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -433.720+/-394.656 χ^2/NDF:19.6/30

Out: 297.231+/-405.478 χ^2/NDF:59.9/32

All: -78.130+/-282.812 χ^2/NDF: 81.2/63

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.716+/-0.369 χ^2/NDF:27235.4/14

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1789.957+/-0.359 χ^2/NDF:24520.9/14

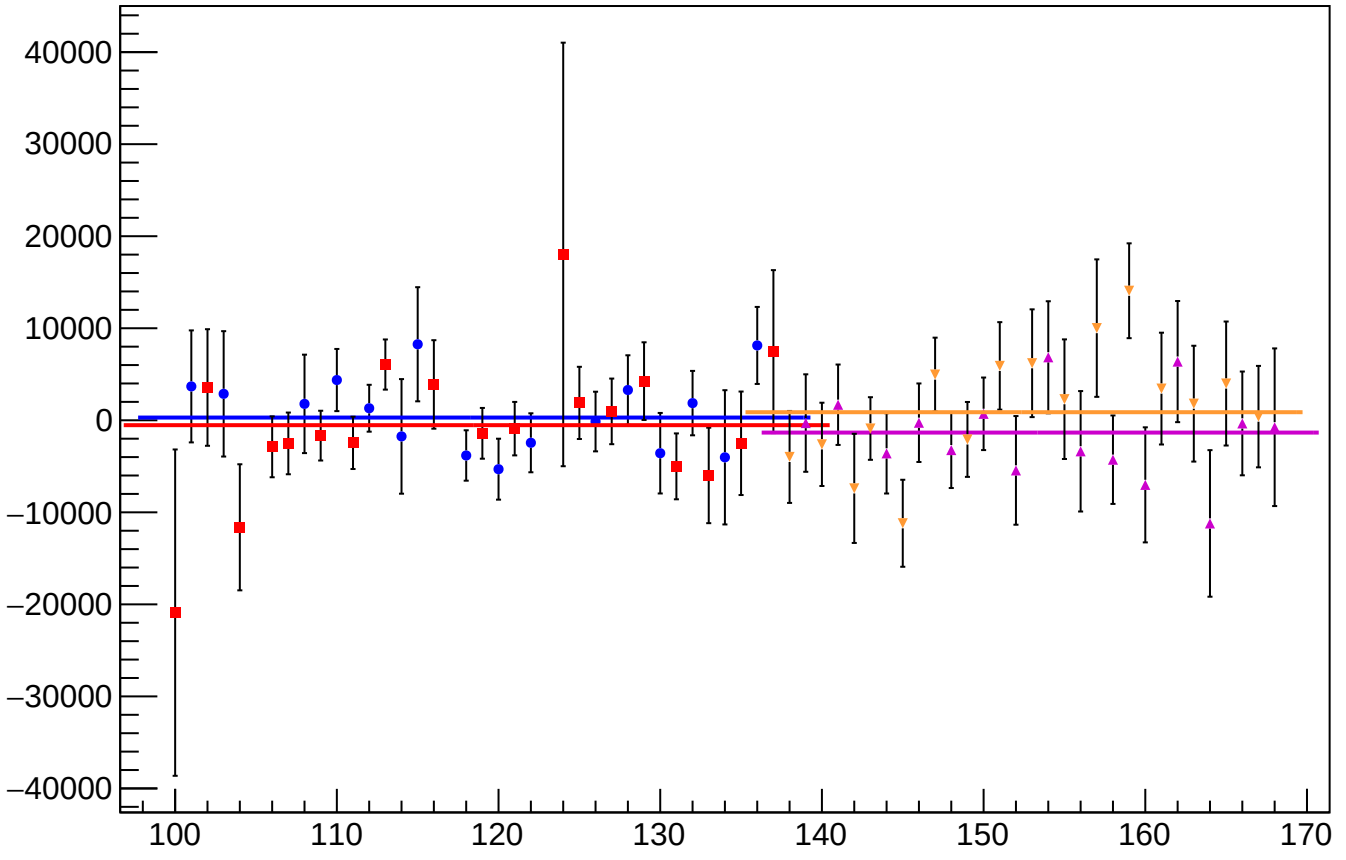
Left: 1790.327+/-0.257 χ^2/NDF: 51758.4/29

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1743.784+/-0.279 χ^2/NDF:206930.1/30

Out: 1761.811+/-0.286 χ^2/NDF:270411.3/32

All: 1752.562+/-0.200 χ^2/NDF: 479373.3/63



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 878.008+/-1258.711 χ^2/NDF:22.3/15

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1335.926+/-1347.706 χ^2/NDF:7.9/14

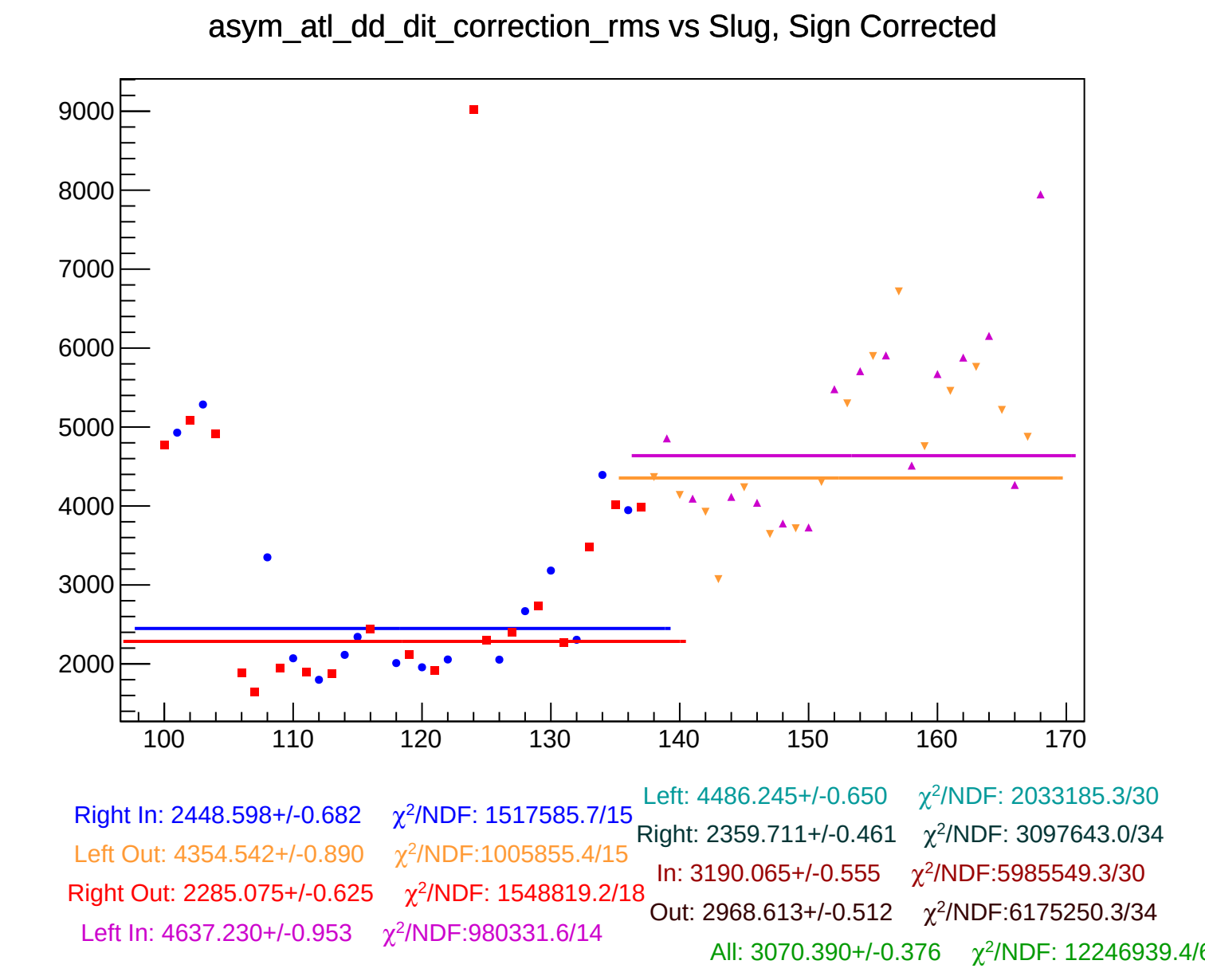
Left: -153.453+/-919.897 χ^2/NDF: 31.6/30

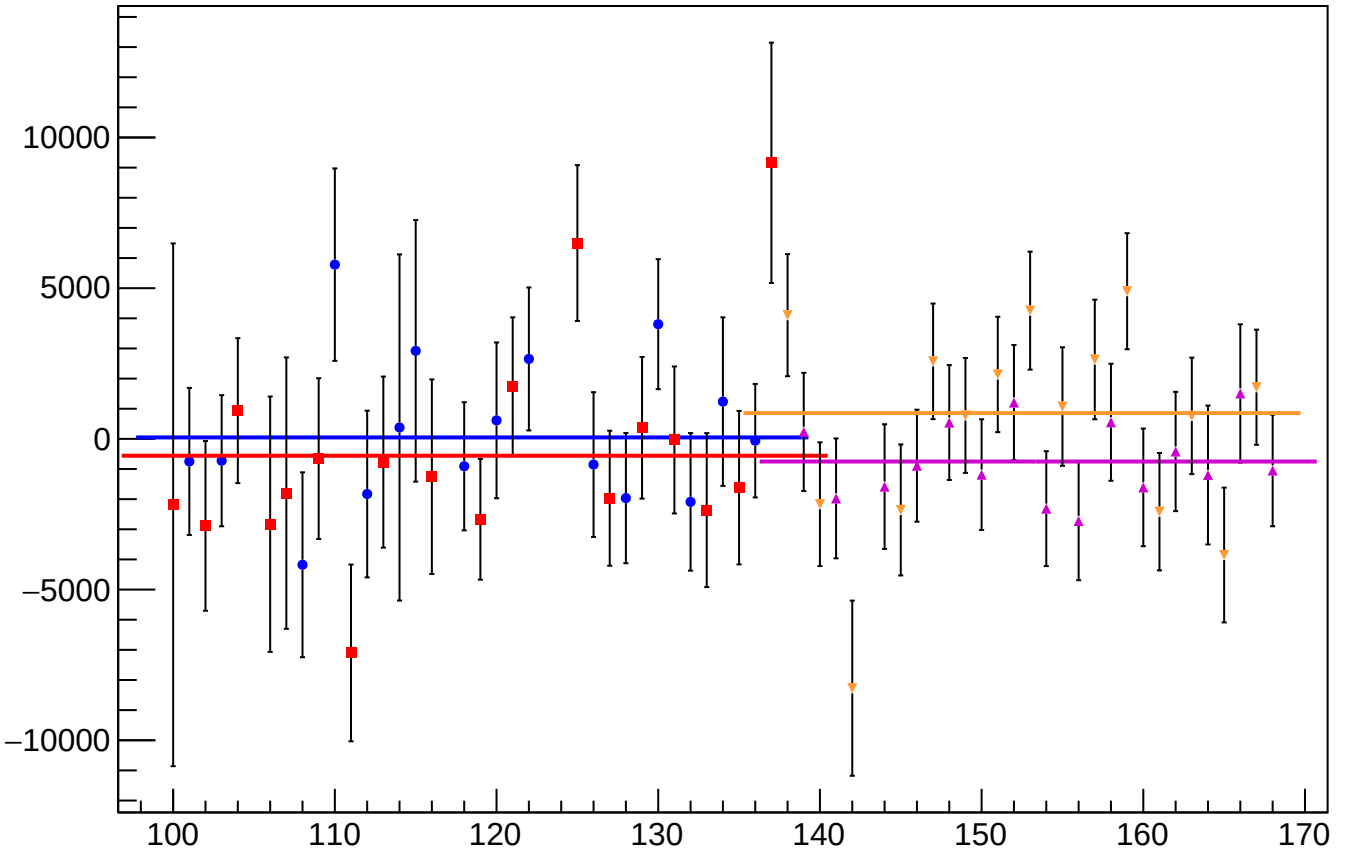
Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -256.524+/-784.431 χ^2/NDF:24.1/30

Out: -65.614+/-723.399 χ^2/NDF:41.9/34

All: -153.354+/-531.790 χ^2/NDF: 66.1/65


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4354.542+/-0.890 χ²/NDF:1005855.4/15
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4637.230+/-0.953 χ²/NDF:980331.6/14
Left: 4486.245+/-0.650 χ²/NDF: 2033185.3/30
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3190.065+/-0.555 χ²/NDF:5985549.3/30
Out: 2968.613+/-0.512 χ²/NDF:6175250.3/34
All: 3070.390+/-0.376 χ²/NDF: 12246939.4/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 856.282+/-521.234 χ^2/NDF:33.7/14

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -751.441+/-508.340 χ^2/NDF:5.8/14

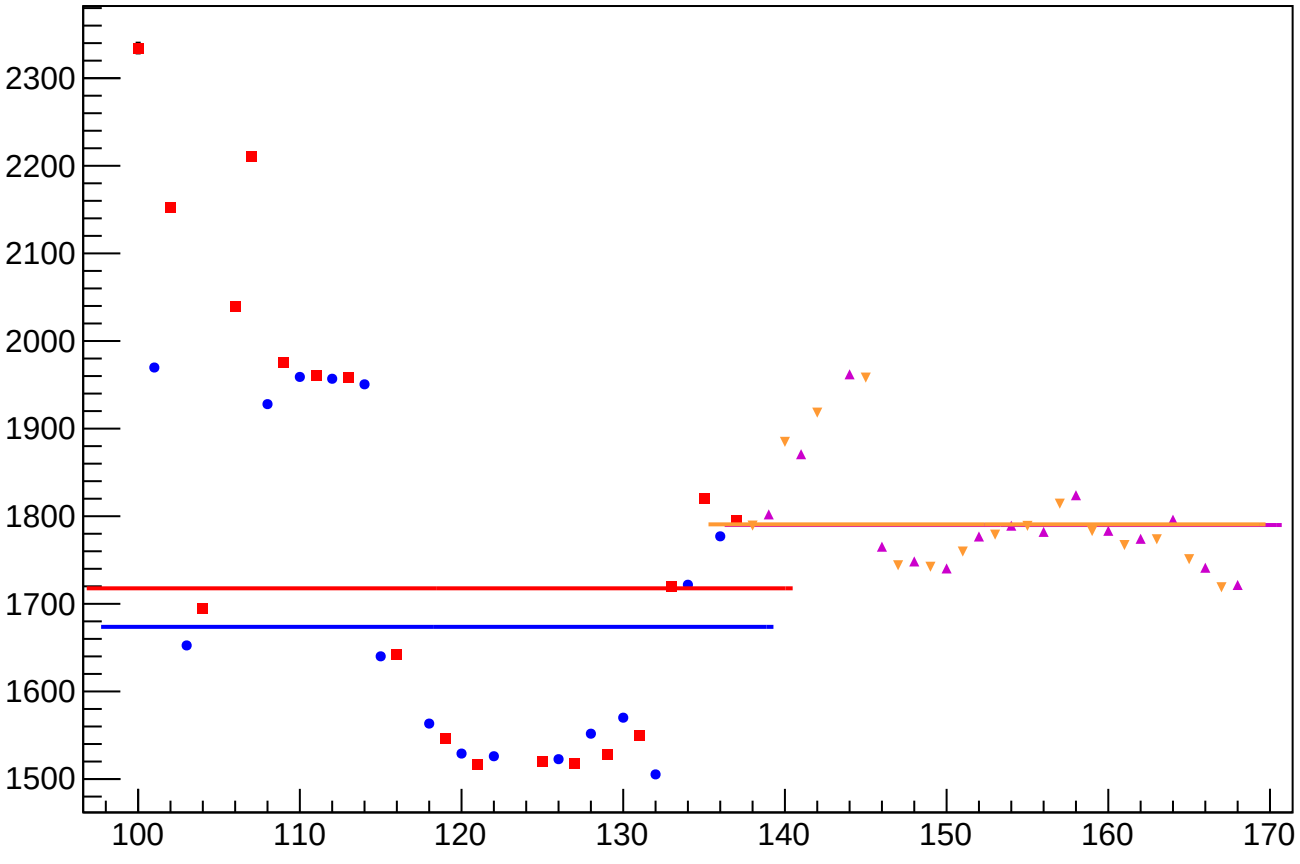
Left: 32.289+/-363.924 χ^2/NDF: 44.4/29

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -433.722+/-394.656 χ^2/NDF:19.6/30

Out: 297.232+/-405.478 χ^2/NDF:59.9/32

All: -78.130+/-282.812 χ^2/NDF: 81.2/63



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1790.717+/-0.369 χ^2/NDF:27235.9/14

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1789.958+/-0.359 χ^2/NDF:24521.1/14

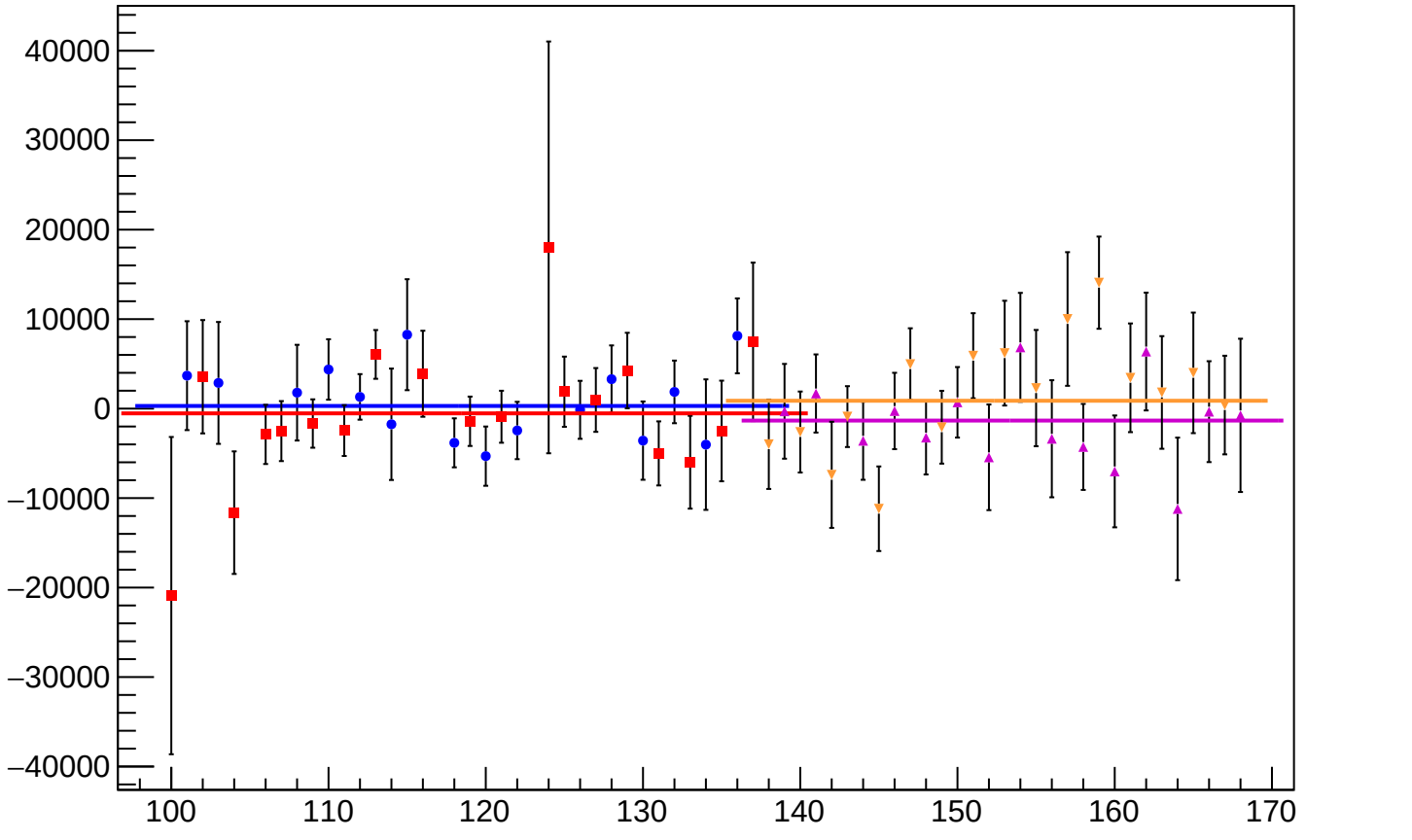
Left: 1790.328+/-0.257 χ^2/NDF: 51759.2/29

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1743.784+/-0.279 χ^2/NDF:206931.2/30

Out: 1761.811+/-0.286 χ^2/NDF:270411.6/32

All: 1752.562+/-0.200 χ^2/NDF: 479374.7/63



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 878.013+/-1258.712 χ^2/NDF:22.3/15

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1335.927+/-1347.707 χ^2/NDF:7.9/14

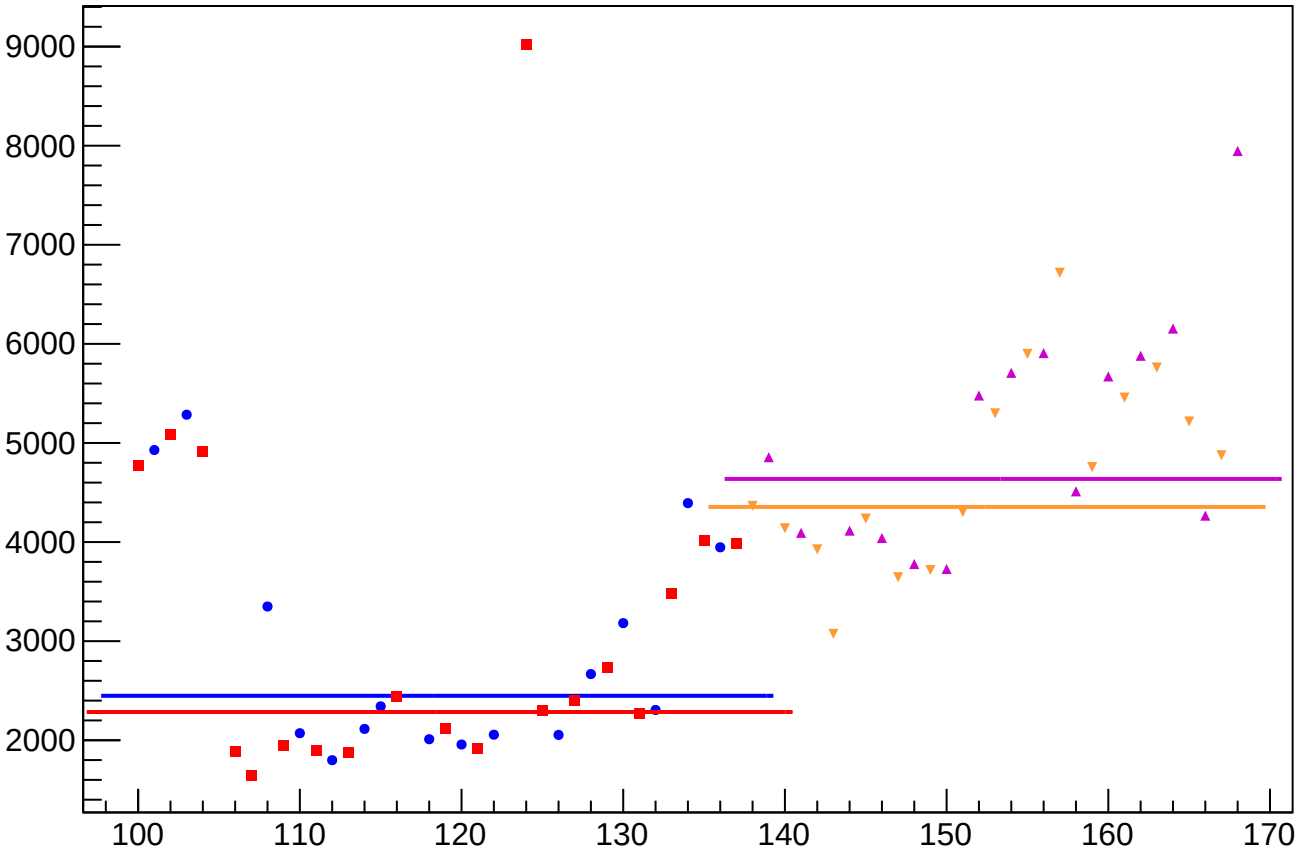
Left: -153.451+/-919.898 χ^2/NDF: 31.6/30

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -256.524+/-784.429 χ^2/NDF:24.1/30

Out: -65.616+/-723.398 χ^2/NDF:41.9/34

All: -153.356+/-531.789 χ^2/NDF: 66.1/65



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4354.547+/-0.890 χ^2/NDF:1005860.2/15

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4637.236+/-0.953 χ^2/NDF:980334.2/14

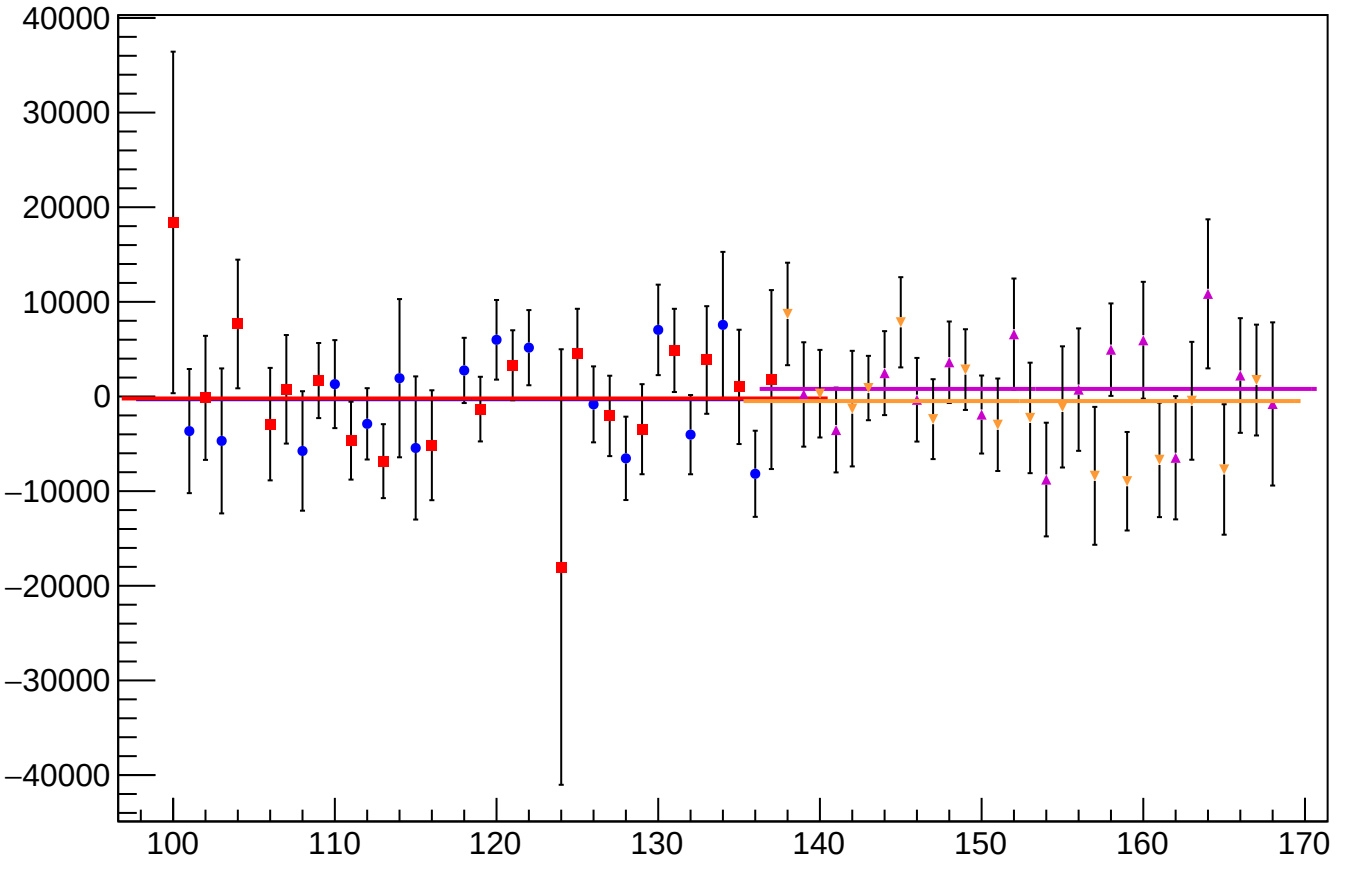
Left: 4486.250+/-0.650 χ^2/NDF: 2033192.8/30

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3190.055+/-0.555 χ^2/NDF:5985620.7/30

Out: 2968.605+/-0.512 χ^2/NDF:6175313.2/34

All: 3070.381+/-0.376 χ^2/NDF: 12247072.8/6



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -482.492+/-1286.856 χ^2/NDF:13.4/15

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 799.576+/-1378.120 χ^2/NDF:9.9/14

Left: 114.688+/-940.555 χ^2/NDF: 23.8/30

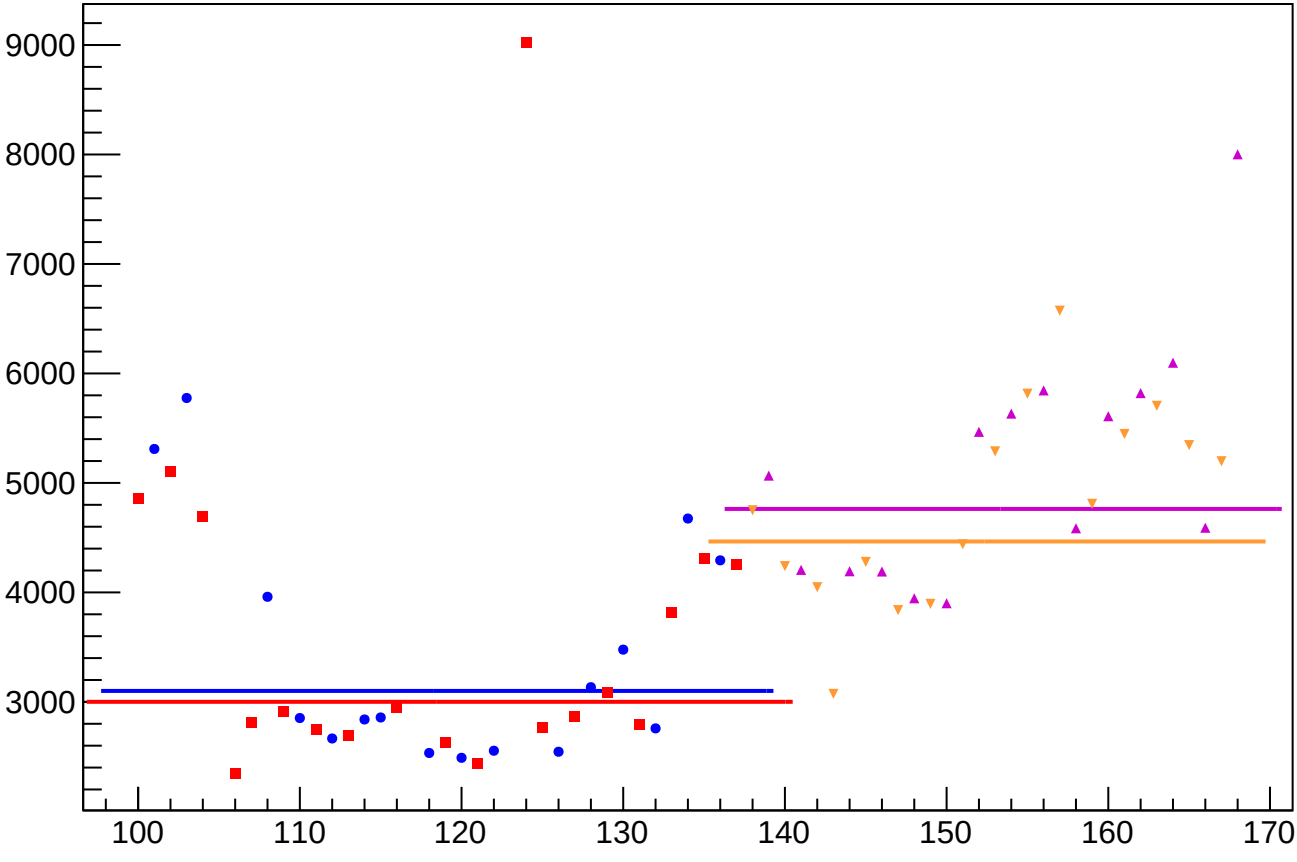
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 180.234+/-903.852 χ^2/NDF:26.8/30

Out: -331.136+/-859.038 χ^2/NDF:26.3/34

All: -88.442+/-622.672 χ^2/NDF: 53.3/65

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4465.217+/-0.910 χ^2/NDF:938178.4/15

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4762.395+/-0.974 χ^2/NDF:823711.5/14

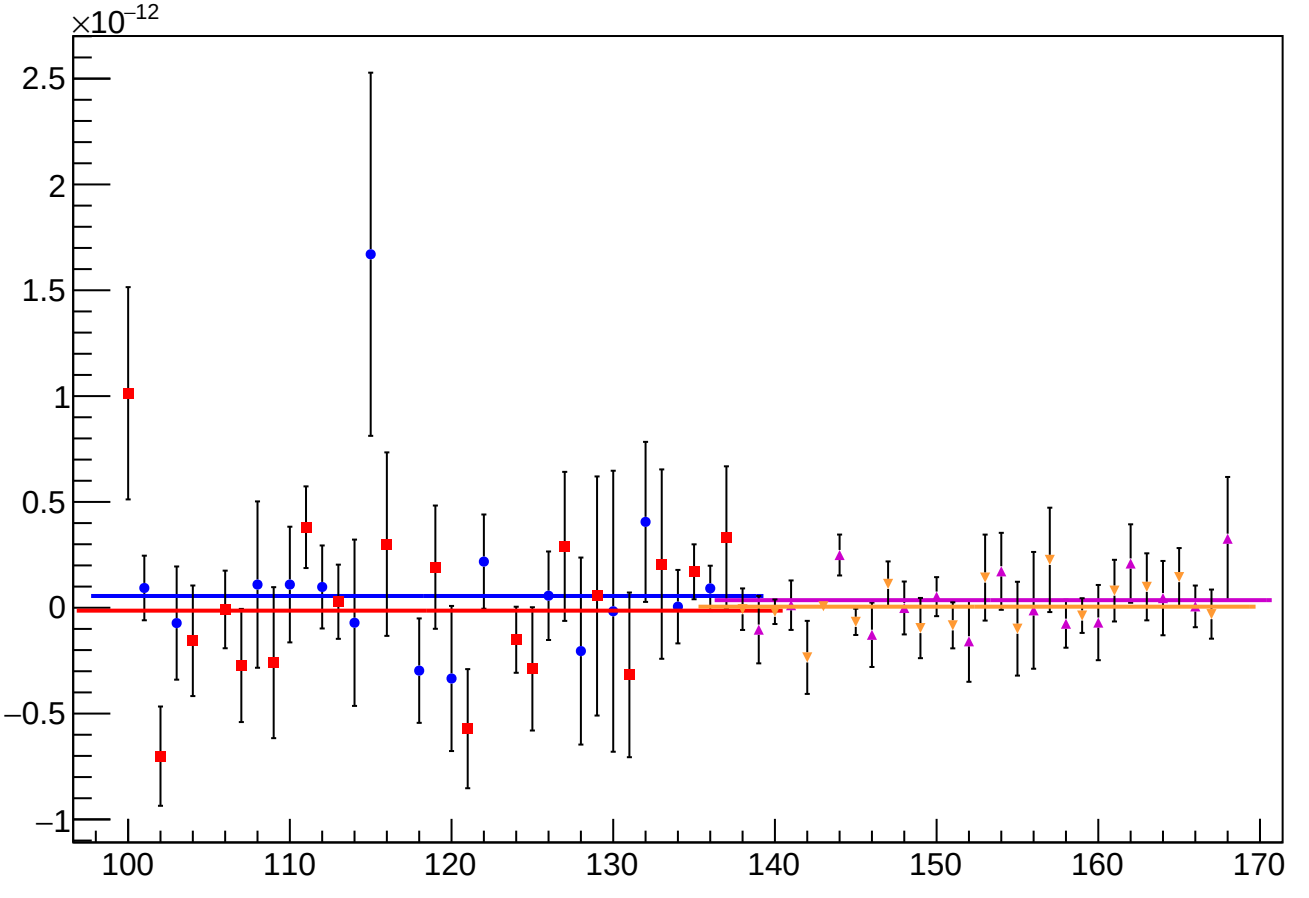
Left: 4603.641+/-0.665 χ^2/NDF: 1811572.0/30

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3815.156+/-0.639 χ^2/NDF:3445497.0/30

Out: 3643.527+/-0.603 χ^2/NDF:3198085.7/34

All: 3724.333+/-0.439 χ^2/NDF: 6681743.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/14

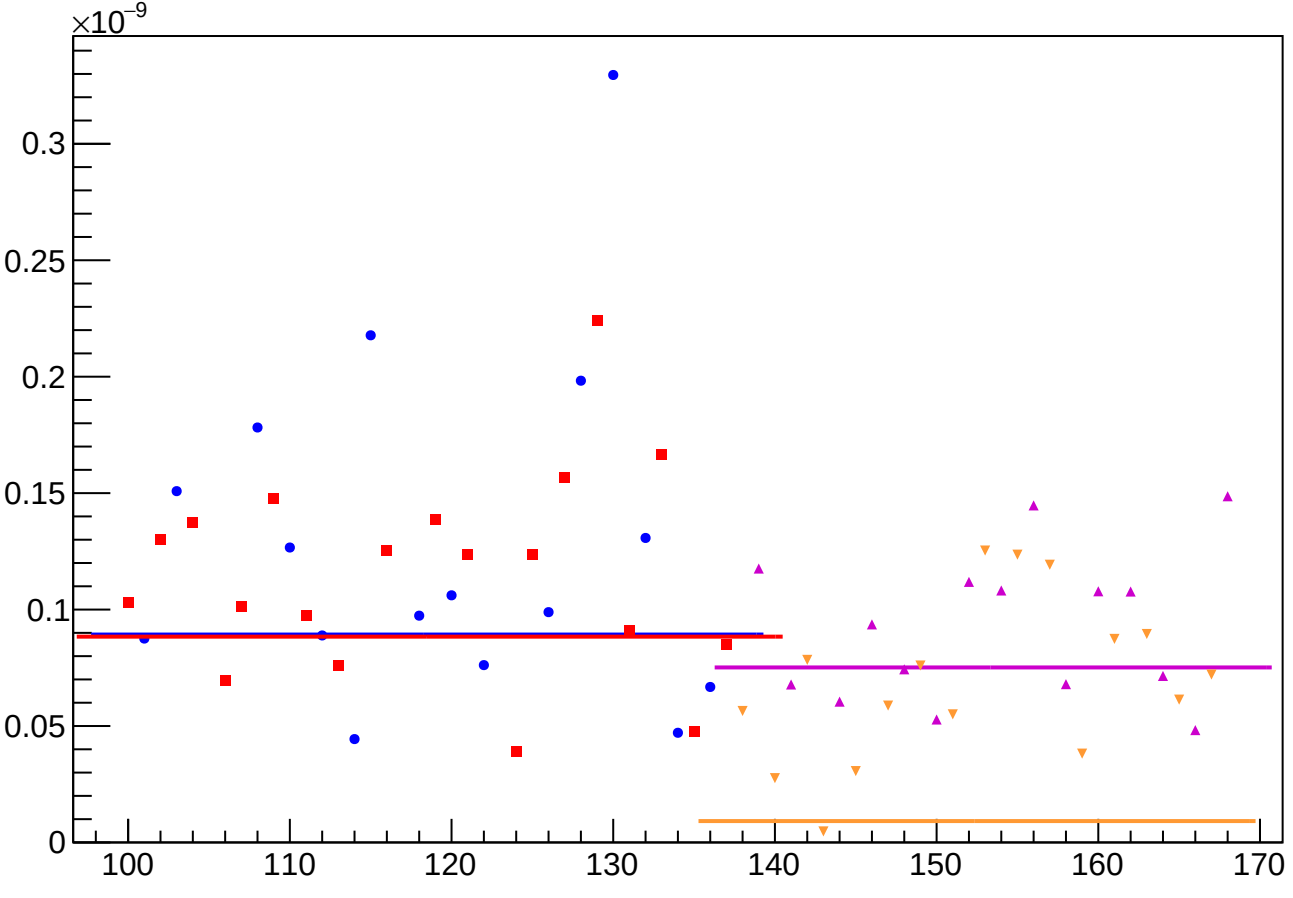
Left: 0.000+/-0.000 χ^2/NDF: 21.8/30

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:21.3/30

Out: 0.000+/-0.000 χ^2/NDF:39.3/34

All: 0.000+/-0.000 χ^2/NDF: 62.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6755471.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1025261.4/14

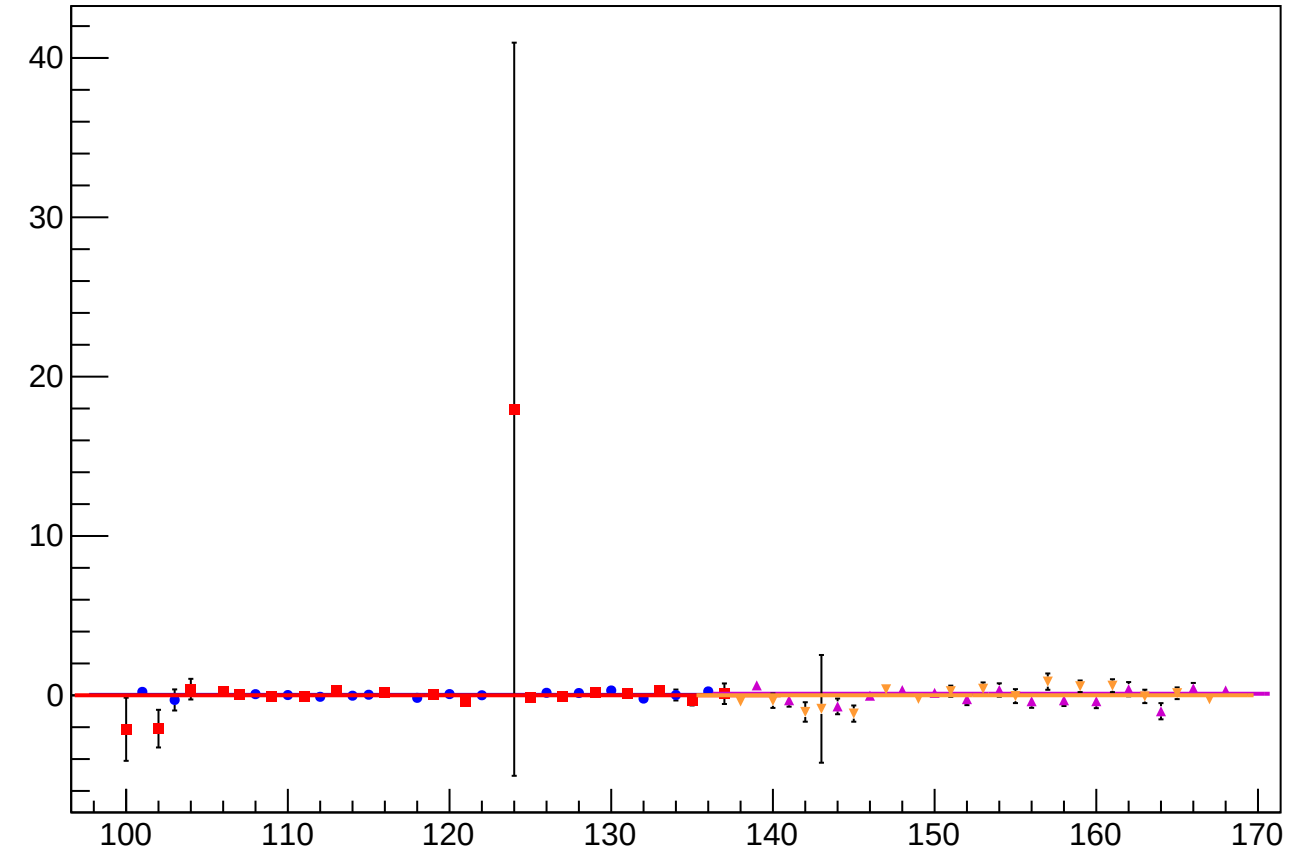
Left: 0.000+/-0.000 χ^2/NDF: 14373409.8/30

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2064727.8/30

Out: 0.000+/-0.000 χ^2/NDF:11711250.6/34

All: 0.000+/-0.000 χ^2/NDF: 23372463.9/65



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.099+/-0.089 χ^2/NDF:21.0/14

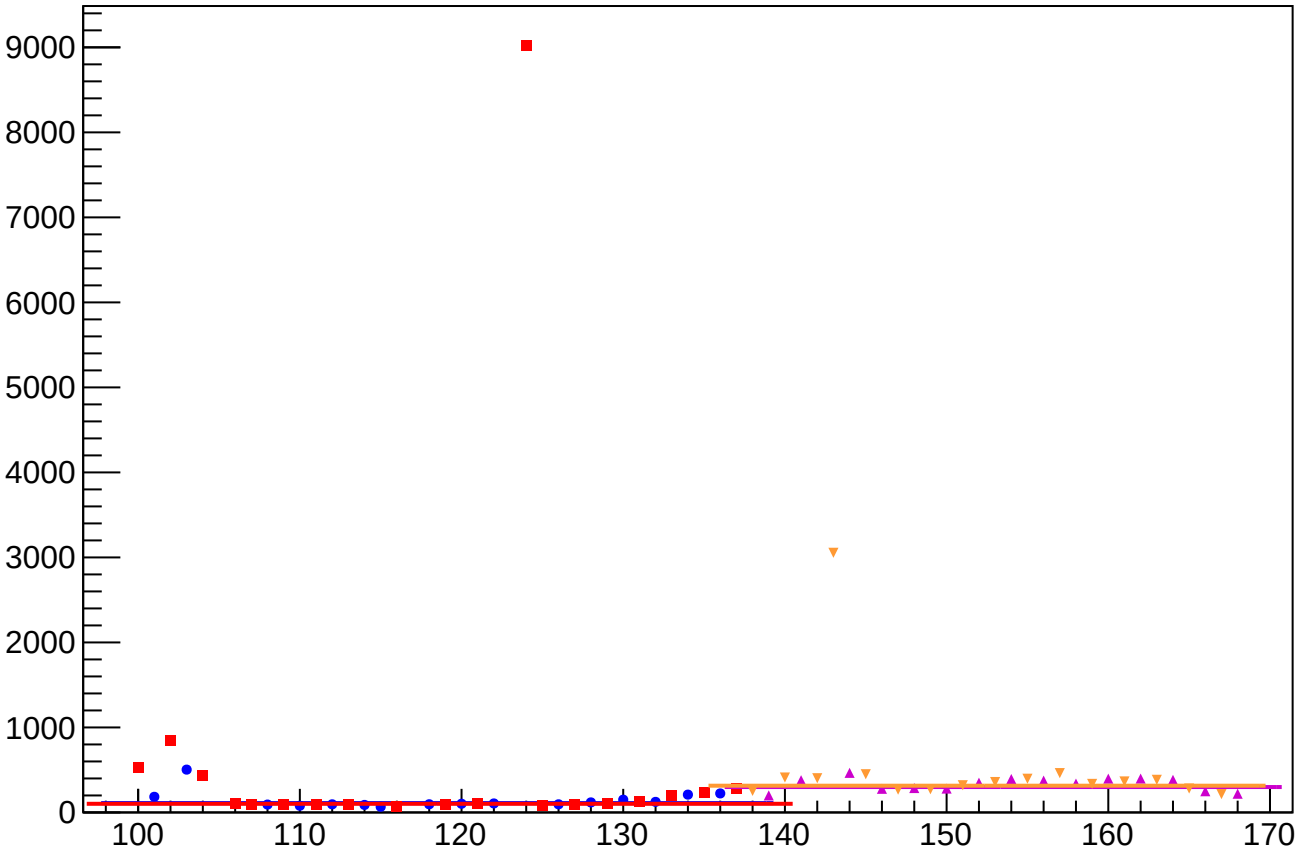
Left: 0.054+/-0.065 χ^2/NDF: 44.3/30

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.040 χ^2/NDF:30.3/30

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.023+/-0.028 χ^2/NDF: 76.0/65



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF:2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 298.965+/-0.063 χ^2/NDF:1426465.7/14

Left: 306.379+/-0.046 χ^2/NDF: 3918513.1/30

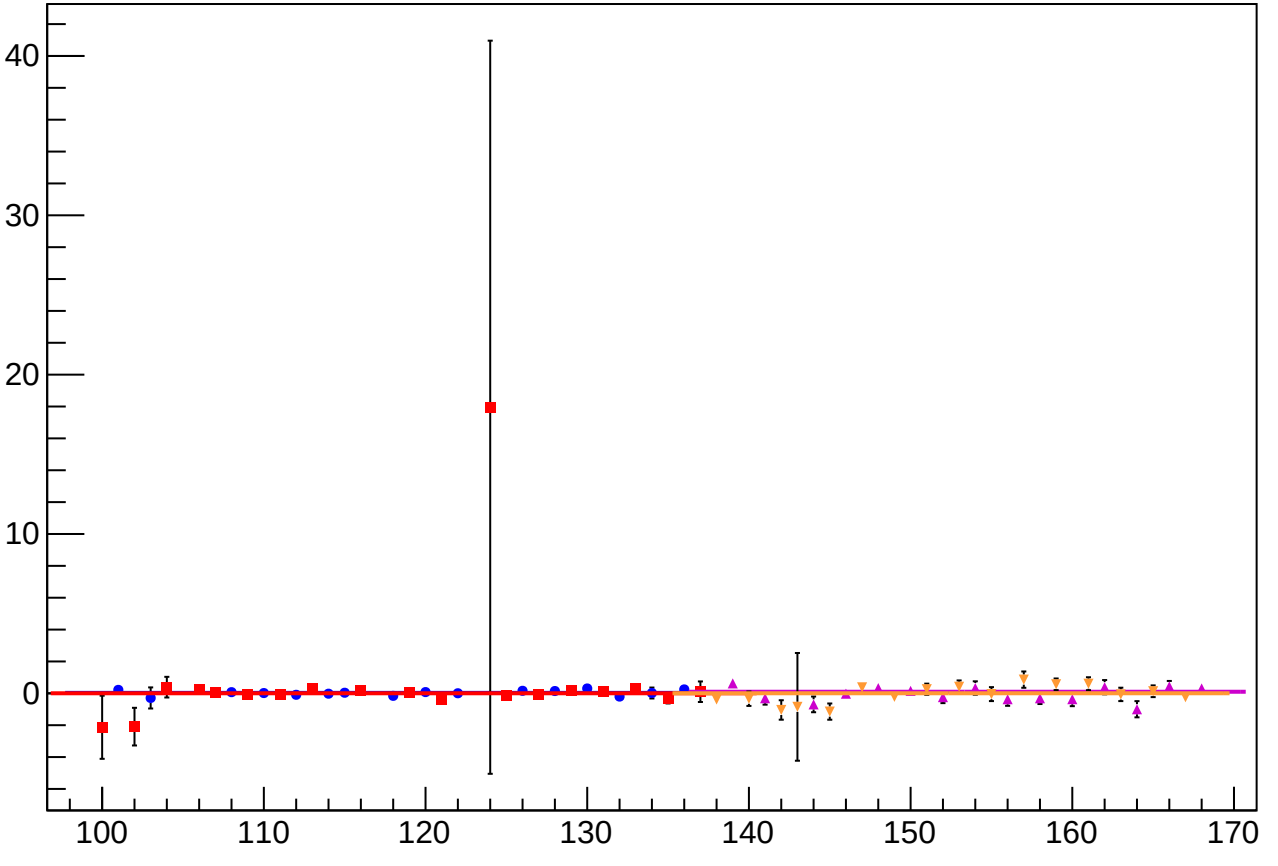
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.090+/-0.029 χ^2/NDF:10558635.1/30

Out: 139.157+/-0.028 χ^2/NDF:13495454.3/34

All: 144.005+/-0.020 χ^2/NDF: 24116164.0/65

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: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.099+/-0.089 χ^2/NDF:21.0/14

Left: 0.054+/-0.065 χ^2/NDF: 44.3/30

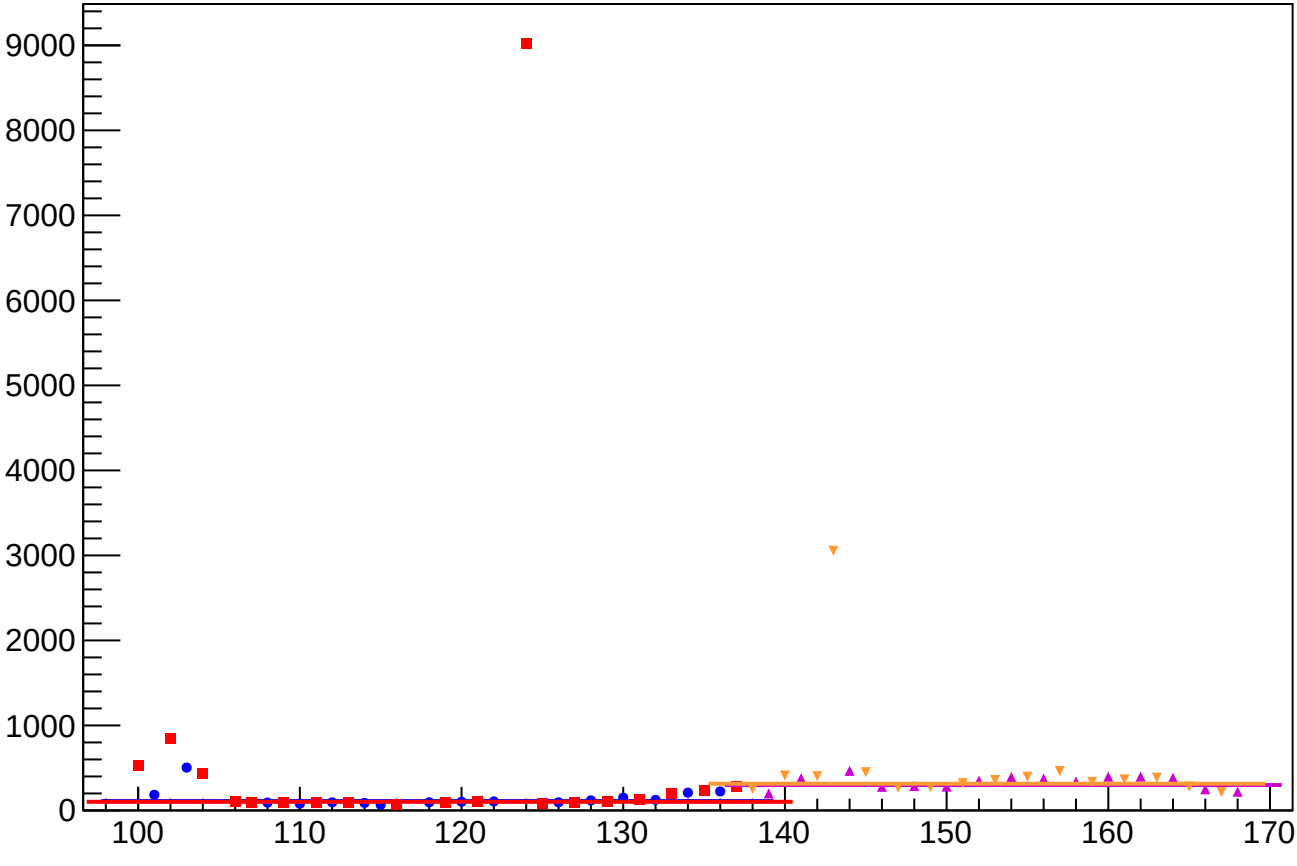
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.040 χ^2/NDF:30.3/30

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.023+/-0.028 χ^2/NDF: 76.0/65

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 314.723+/-0.067 χ^2/NDF:2462345.1/15

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 298.965+/-0.063 χ^2/NDF:1426465.7/14

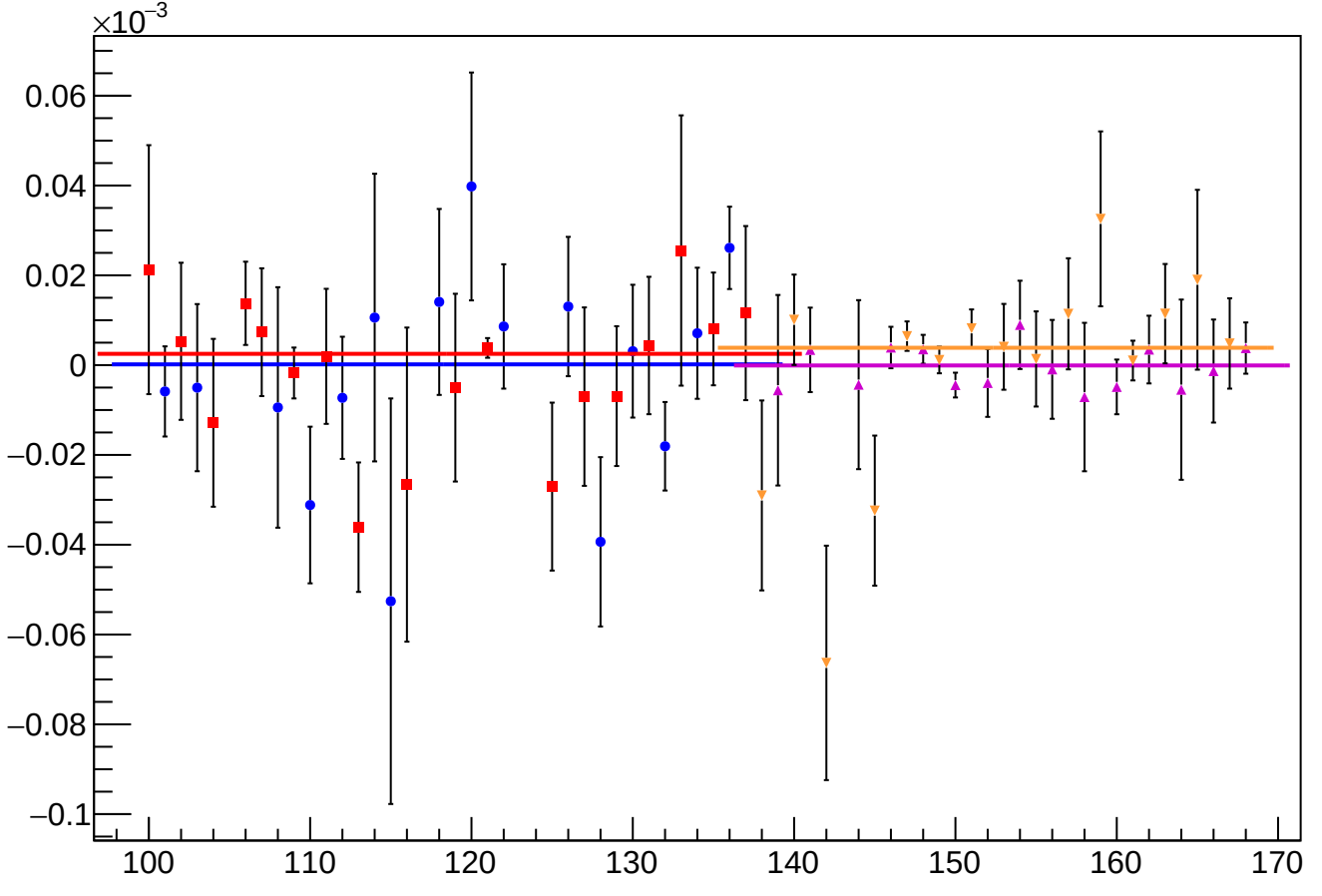
Left: 306.379+/-0.046 χ^2/NDF: 3918513.1/30

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.090+/-0.029 χ^2/NDF:10558635.1/30

Out: 139.157+/-0.028 χ^2/NDF:13495454.3/34

All: 144.005+/-0.020 χ^2/NDF: 24116164.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.4/14

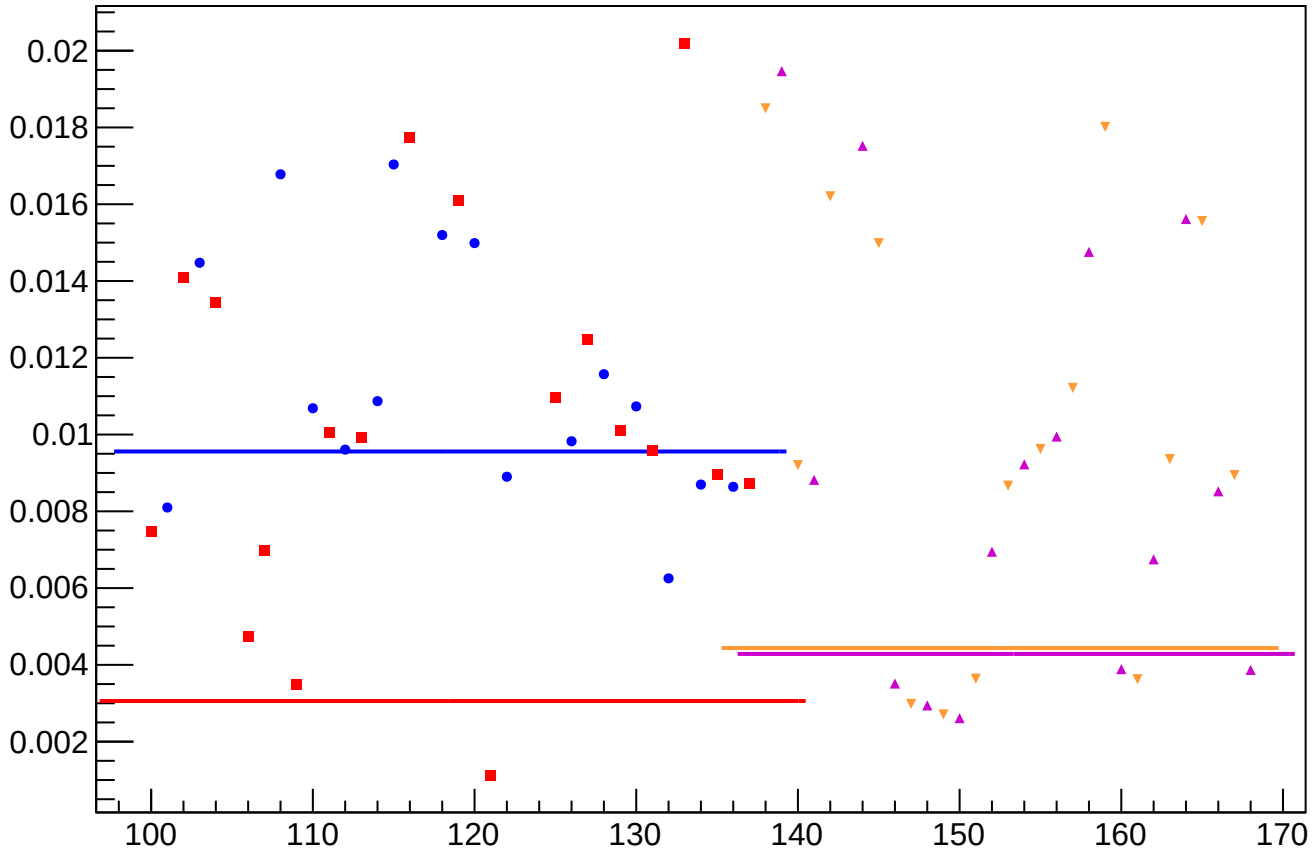
Left: 0.000+/-0.000 χ^2/NDF: 31.9/29

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:33.0/30

Out: 0.000+/-0.000 χ^2/NDF:37.4/32

All: 0.000+/-0.000 χ^2/NDF: 73.6/63



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:7604339.8/14

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:6843996.8/14

Left: 0.004+/-0.000 χ^2/NDF: 14457732.0/29

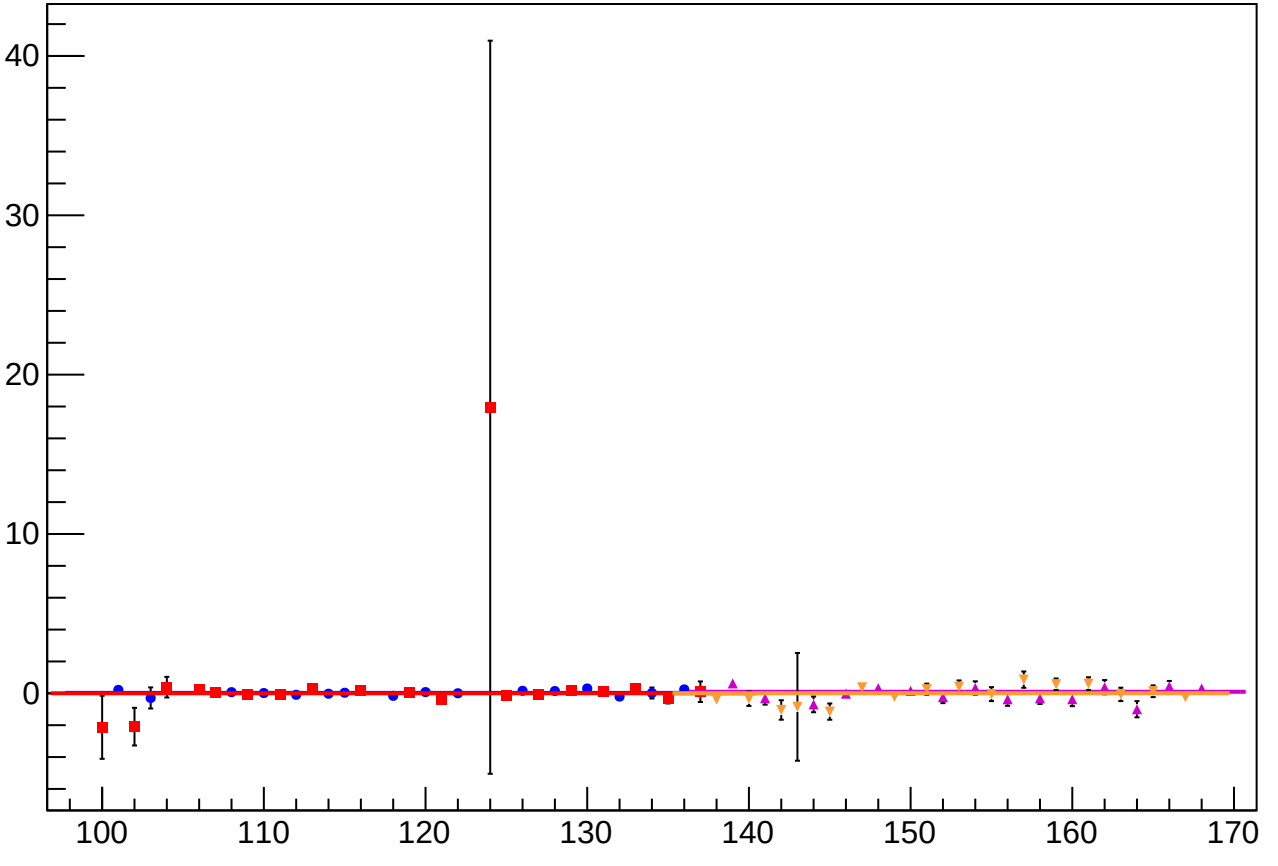
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:11178786.2/30

Out: 0.004+/-0.000 χ^2/NDF:16365039.2/32

All: 0.004+/-0.000 χ^2/NDF: 28403273.6/63

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: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.099+/-0.089 χ^2/NDF:21.0/14

Left: 0.054+/-0.065 χ^2/NDF: 44.3/30

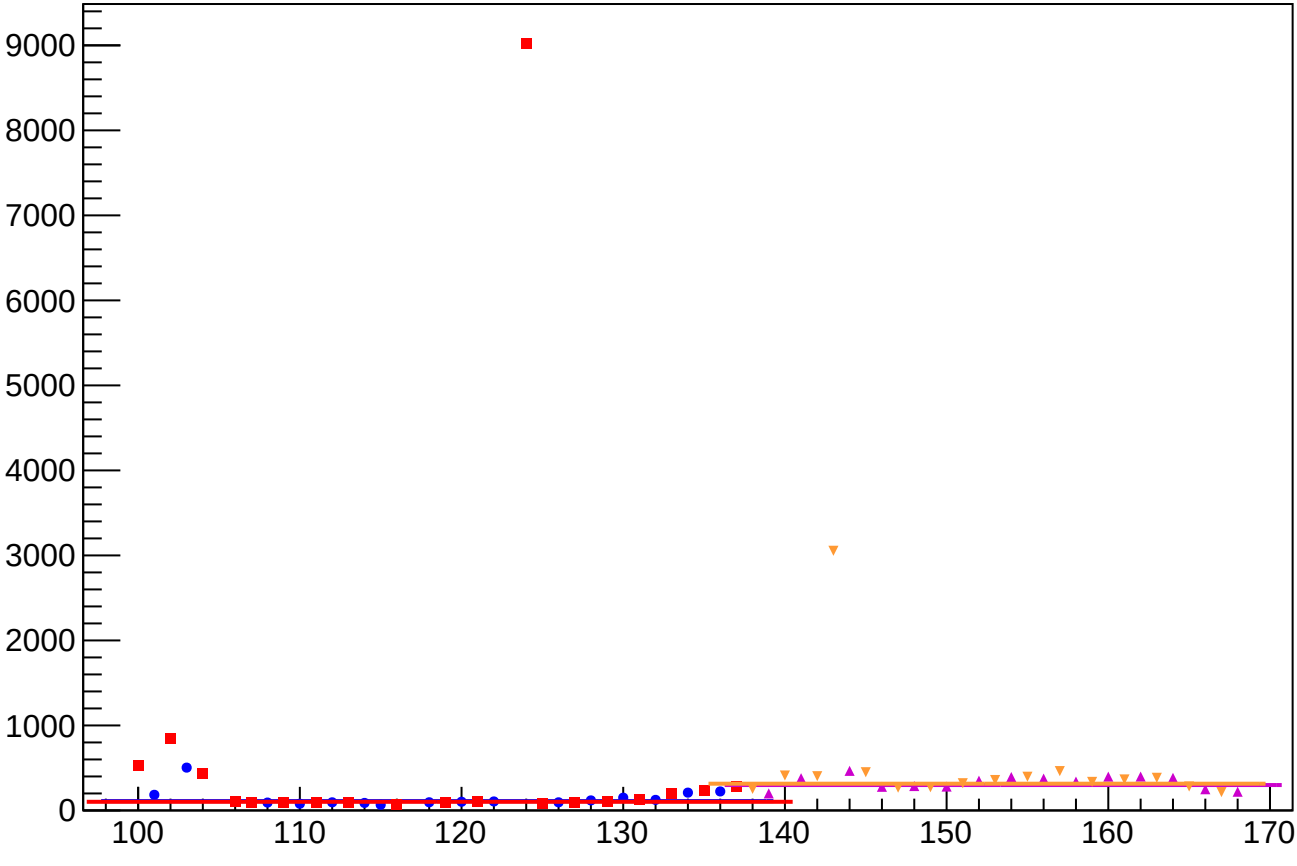
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.040 χ^2/NDF:30.3/30

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.023+/-0.028 χ^2/NDF: 76.0/65

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 314.725+/-0.067 χ^2/NDF:2462401.9/15

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 298.970+/-0.063 χ^2/NDF:1426442.9/14

Left: 306.383+/-0.046 χ^2/NDF: 3918540.7/30

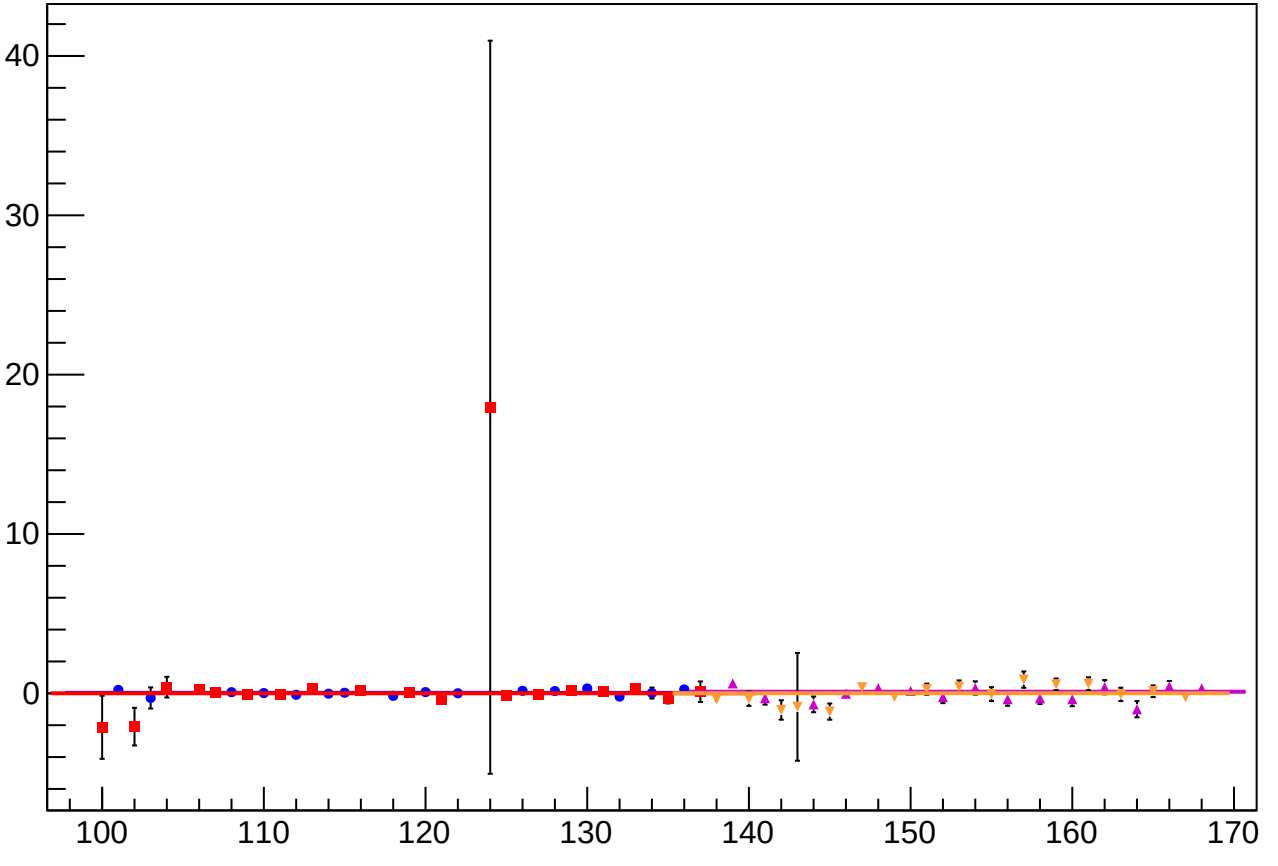
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.091+/-0.029 χ^2/NDF:10558633.9/30

Out: 139.159+/-0.028 χ^2/NDF:13495394.4/34

All: 144.006+/-0.020 χ^2/NDF: 24116097.5/65

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: 0.004+/-0.094 χ^2/NDF:22.8/15

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.099+/-0.089 χ^2/NDF:21.0/14

Left: 0.054+/-0.065 χ^2/NDF: 44.3/30

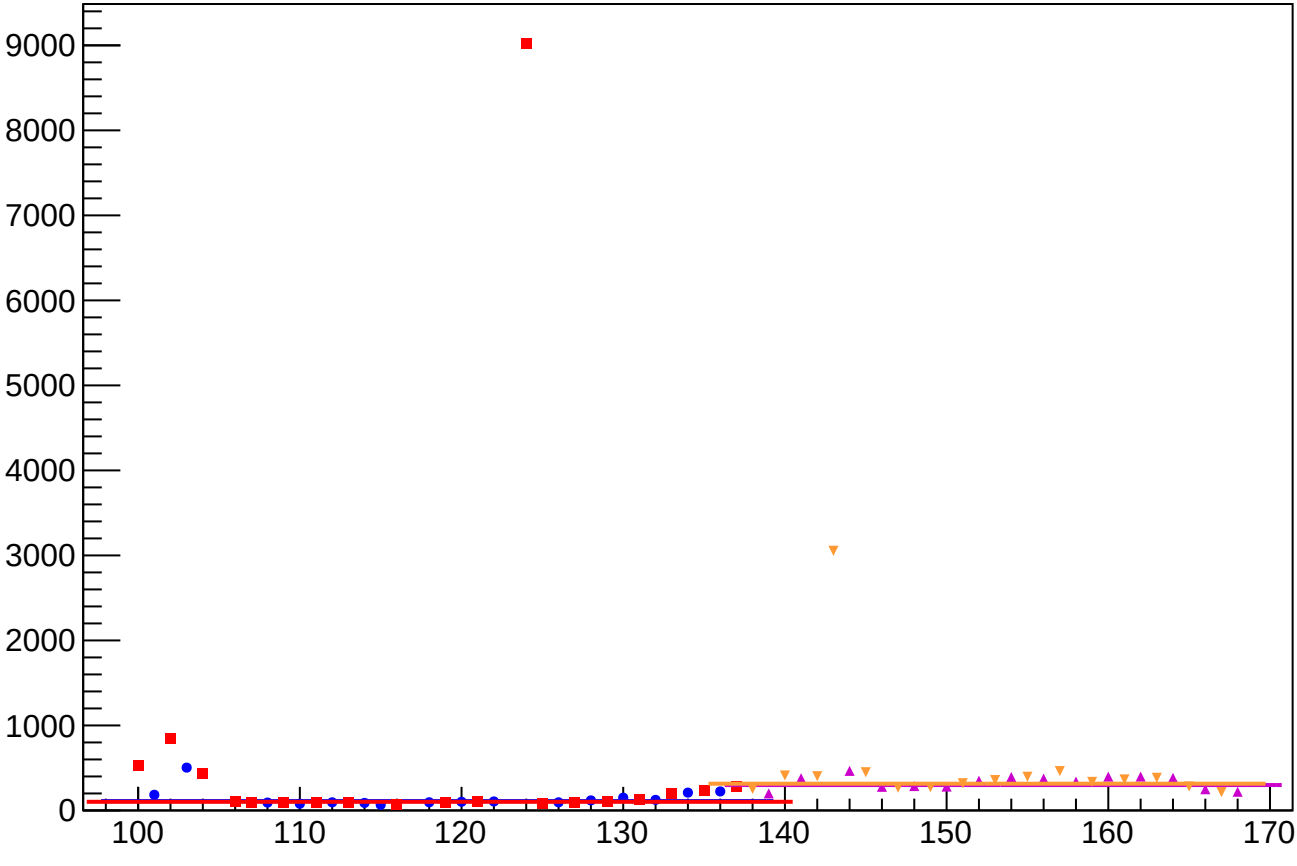
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.040 χ^2/NDF:30.3/30

Out: 0.003+/-0.039 χ^2/NDF:45.2/34

All: 0.023+/-0.028 χ^2/NDF: 76.0/65

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: 314.725+/-0.067 χ^2/NDF:2462401.9/15

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 298.970+/-0.063 χ^2/NDF:1426442.9/14

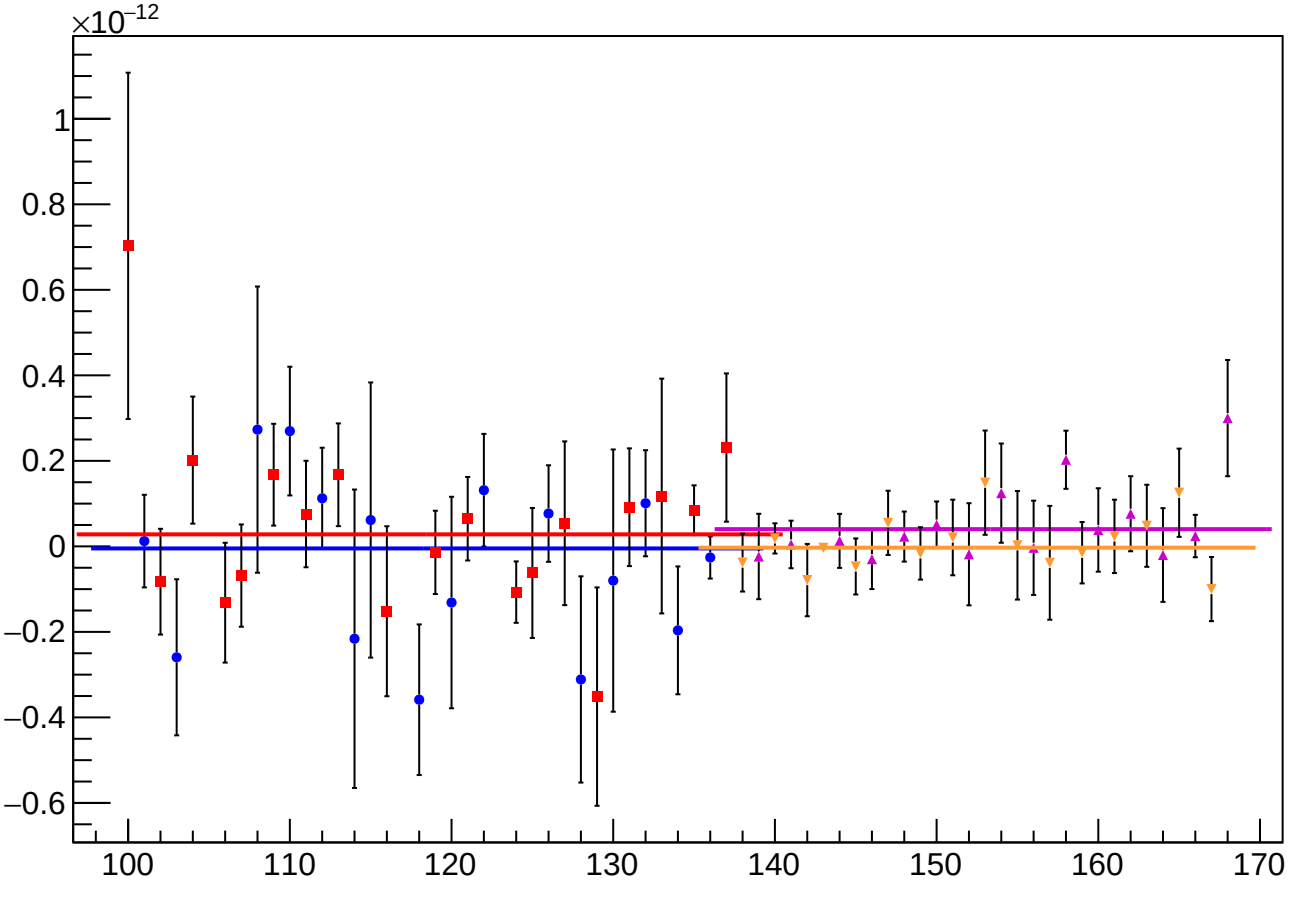
Left: 306.383+/-0.046 χ^2/NDF: 3918540.7/30

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.091+/-0.029 χ^2/NDF:10558633.9/30

Out: 139.159+/-0.028 χ^2/NDF:13495394.4/34

All: 144.006+/-0.020 χ^2/NDF: 24116097.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/14

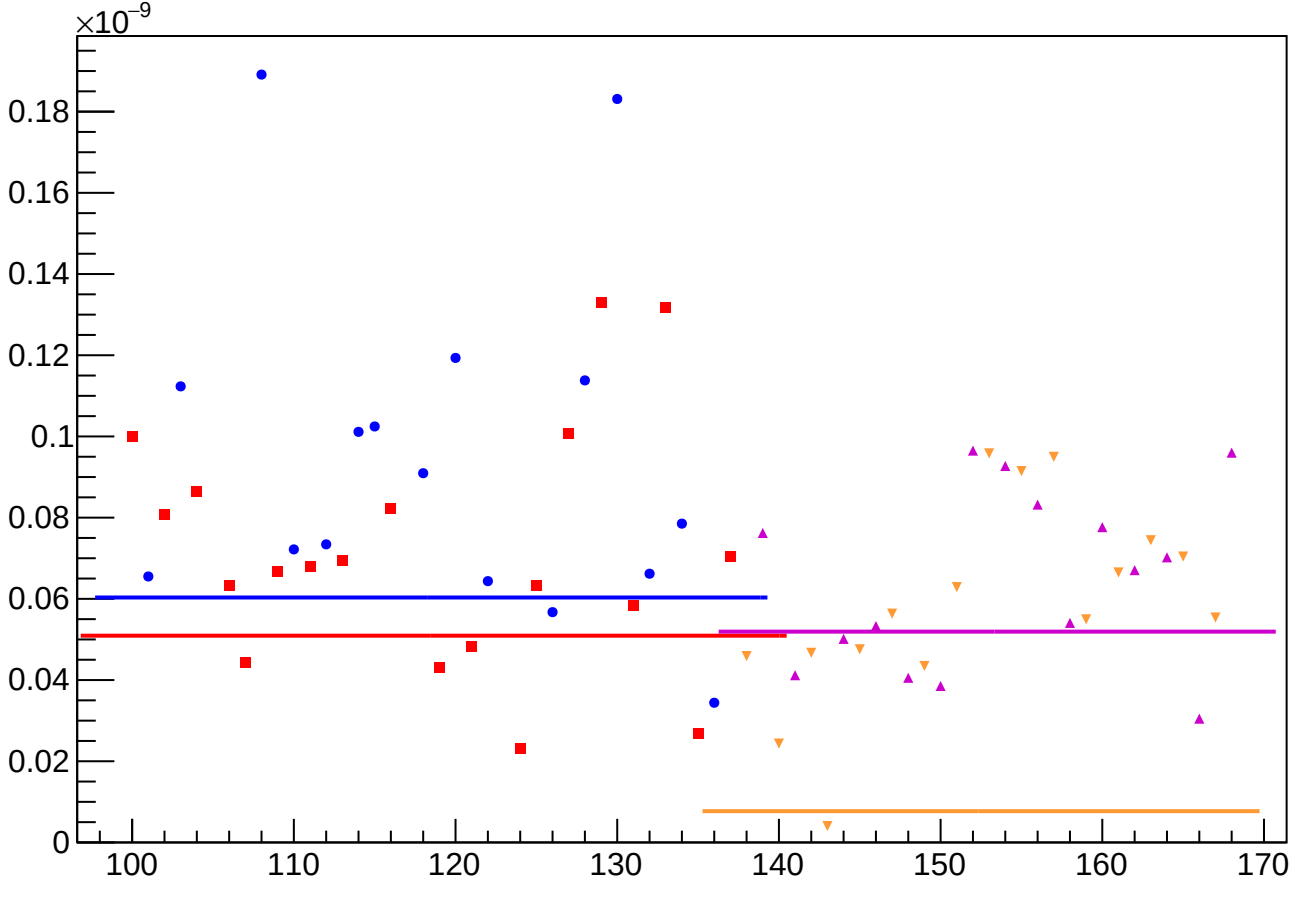
Left: 0.000+/-0.000 χ^2/NDF: 25.6/30

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.0/30

Out: -0.000+/-0.000 χ^2/NDF:28.8/34

All: 0.000+/-0.000 χ^2/NDF: 63.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12490576.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1919551.2/14

Left: 0.000+/-0.000 χ^2/NDF: 24308062.3/30

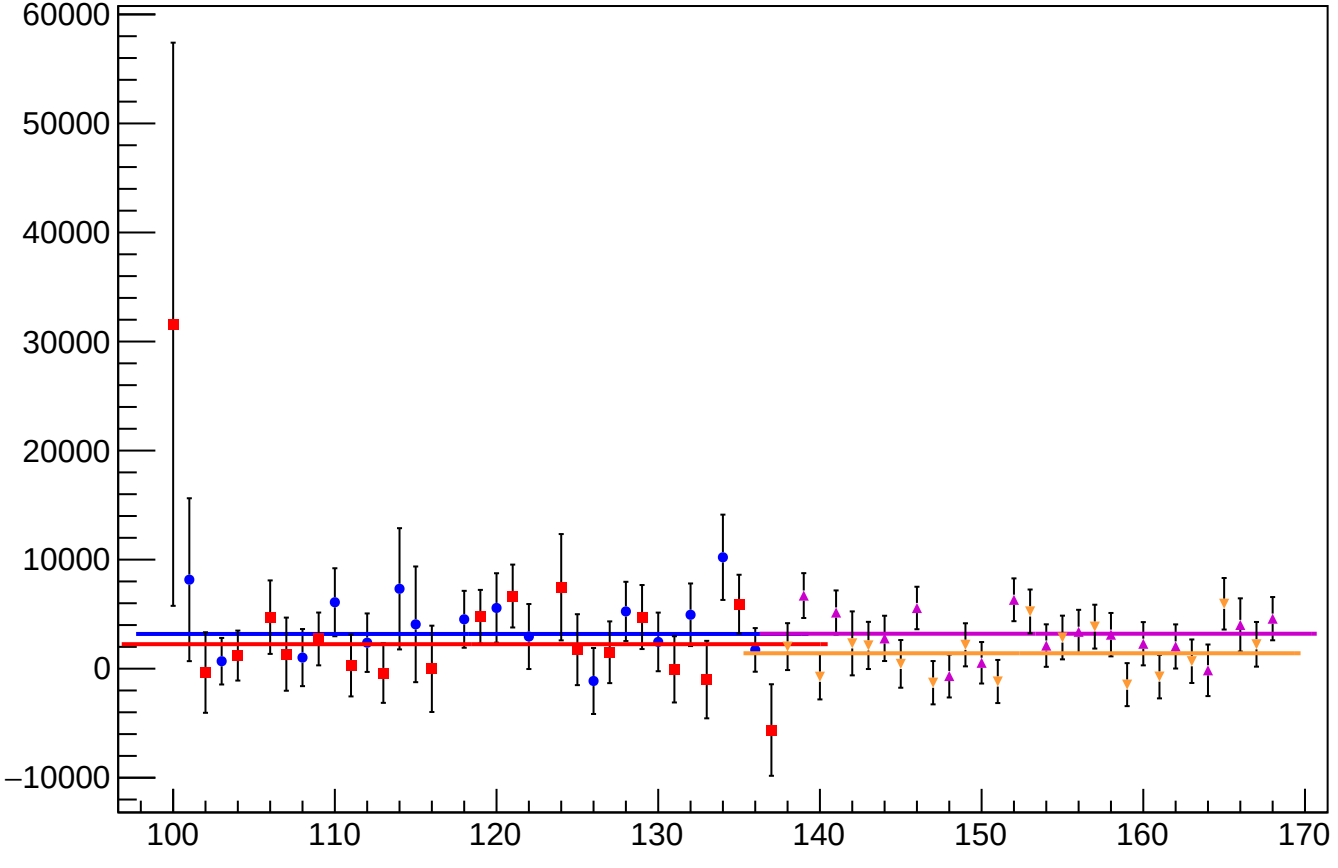
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3768618.8/30

Out: 0.000+/-0.000 χ^2/NDF:19016576.1/34

All: 0.000+/-0.000 χ^2/NDF: 36344324.7/65

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.816+/-521.876 χ^2/NDF:18.2/15

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3204.524+/-524.810 χ^2/NDF:17.2/14

Left: 2304.151+/-370.055 χ^2/NDF: 41.2/30

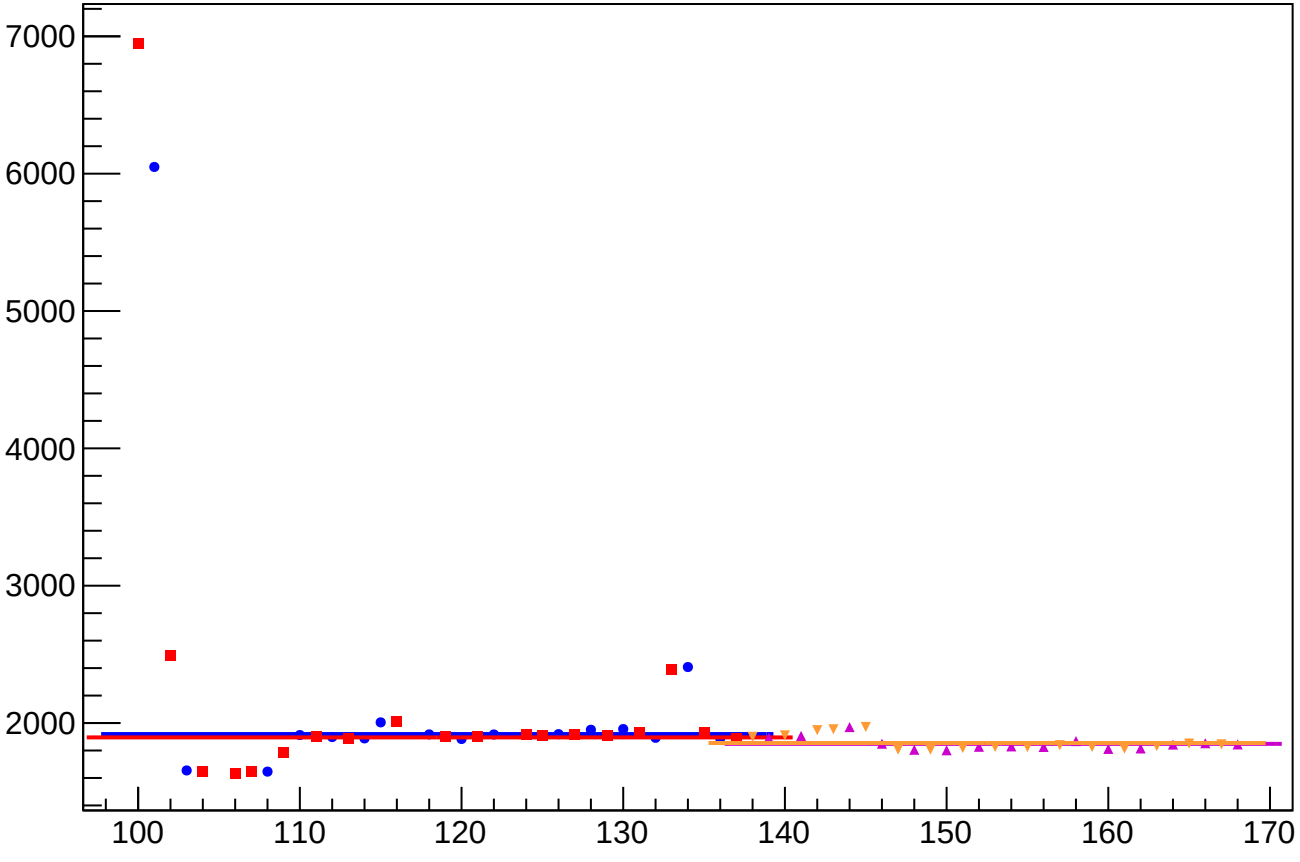
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3197.445+/-426.345 χ^2/NDF:28.9/30

Out: 1705.252+/-420.691 χ^2/NDF:35.6/34

All: 2441.388+/-299.452 χ^2/NDF: 70.6/65

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1854.601+/-0.369 χ^2/NDF:19916.8/15

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.482+/-0.371 χ^2/NDF:13726.3/14

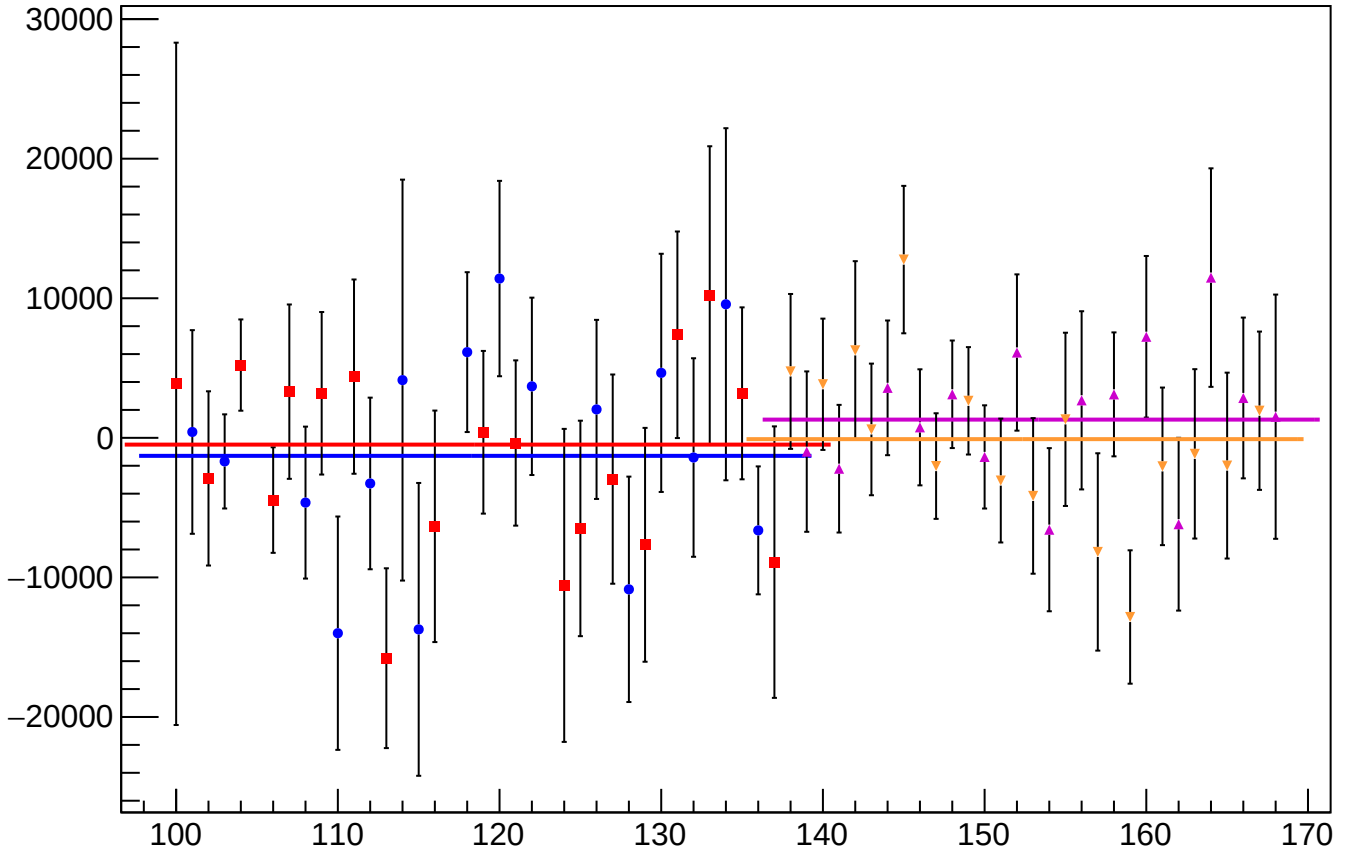
Left: 1851.559+/-0.262 χ^2/NDF: 33779.9/30

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1872.742+/-0.301 χ^2/NDF:723626.3/30

Out: 1868.939+/-0.297 χ^2/NDF:246482.3/34

All: 1870.813+/-0.212 χ^2/NDF: 970189.3/65



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -93.619+/-1285.255 χ^2/NDF:19.0/15

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1305.930+/-1322.980 χ^2/NDF:8.8/14

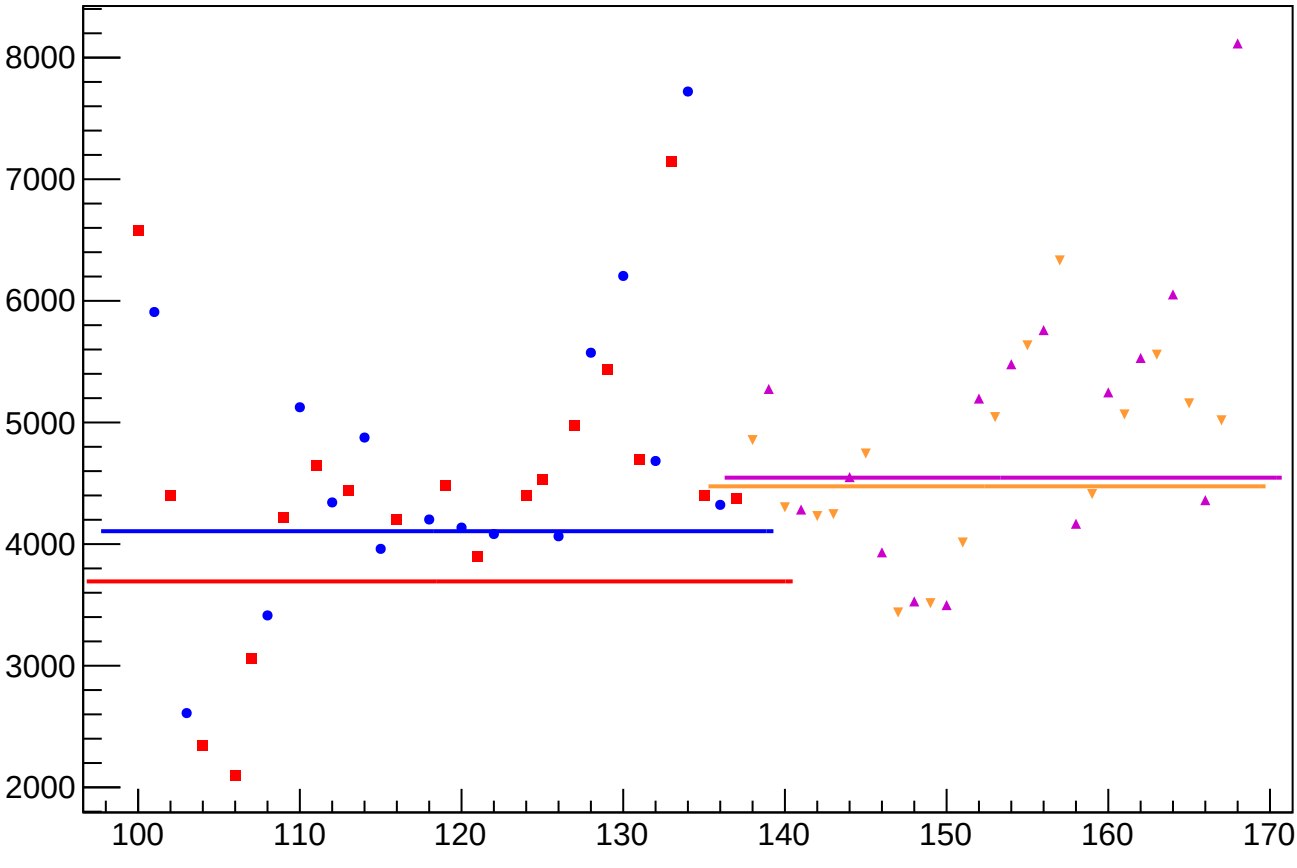
Left: 585.917+/-921.861 χ^2/NDF: 28.4/30

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 240.124+/-1015.779 χ^2/NDF:24.6/30

Out: -267.593+/-958.122 χ^2/NDF:36.3/34

All: -28.552+/-696.987 χ^2/NDF: 61.0/65



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4475.018+/-0.909 χ^2/NDF:675536.3/15

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4546.226+/-0.935 χ^2/NDF:1036294.1/14

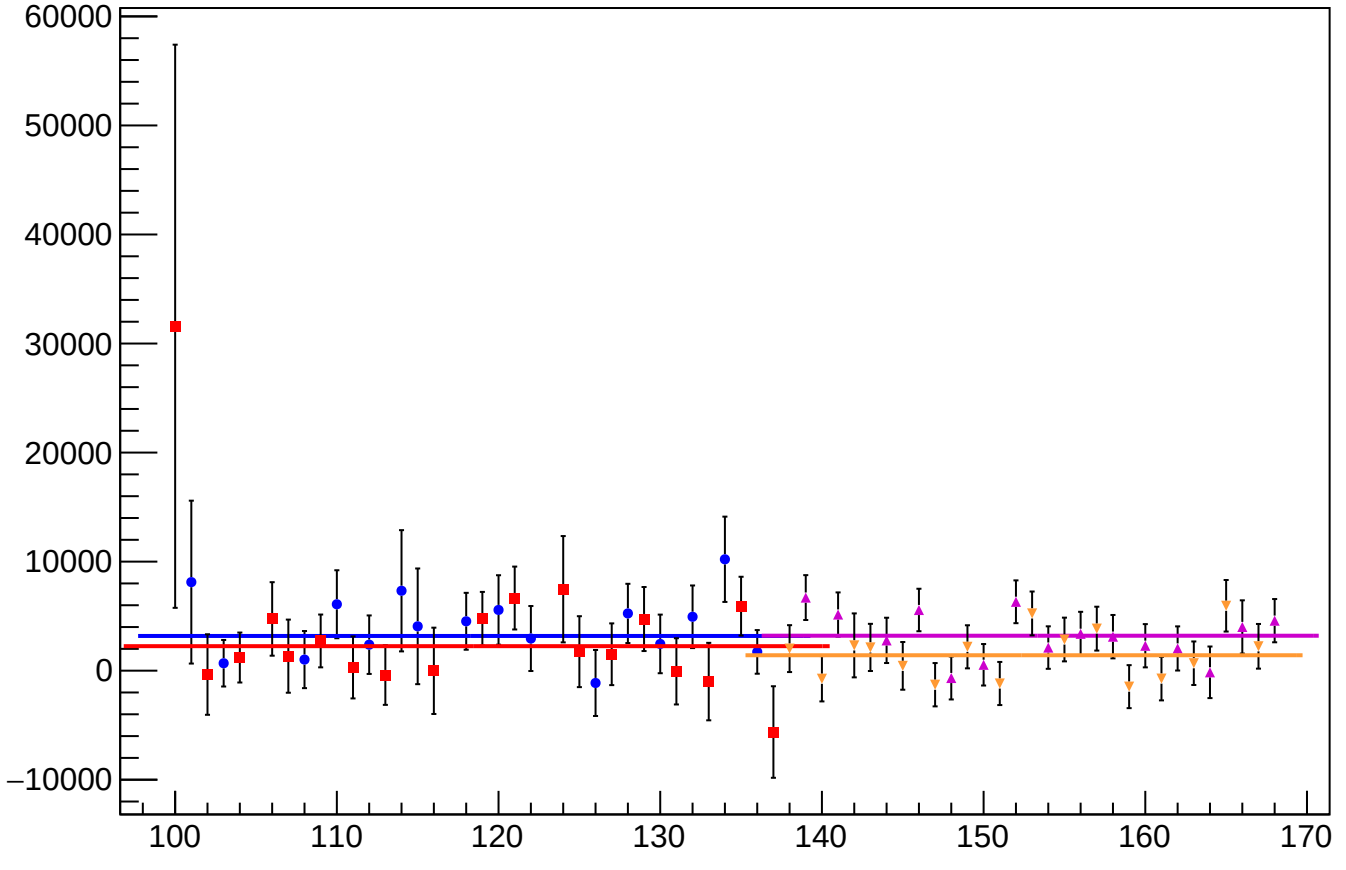
Left: 4509.593+/-0.652 χ^2/NDF: 1714811.1/30

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4365.576+/-0.718 χ^2/NDF:2083269.0/30

Out: 4127.709+/-0.677 χ^2/NDF:2360907.5/34

All: 4239.700+/-0.493 χ^2/NDF: 4502213.9/65



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3204.550+/-524.810 χ^2/NDF:17.2/14

Left: 2304.112+/-370.055 χ^2/NDF: 41.2/30

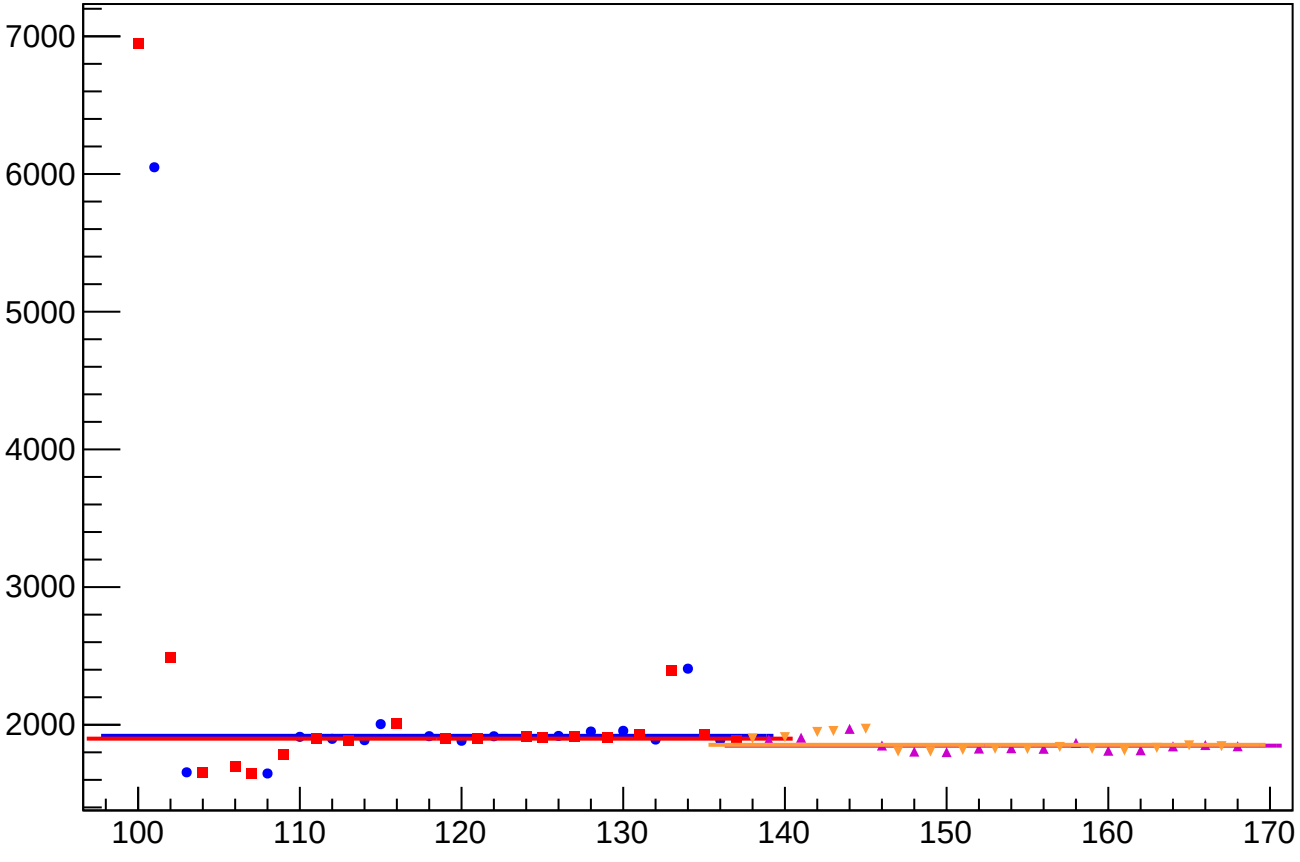
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3197.213+/-426.345 χ^2/NDF:28.8/30

Out: 1705.582+/-420.692 χ^2/NDF:35.6/34

All: 2441.442+/-299.453 χ^2/NDF: 70.6/65

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1854.602+/-0.369 χ^2/NDF:19916.8/15

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.482+/-0.371 χ^2/NDF:13726.3/14

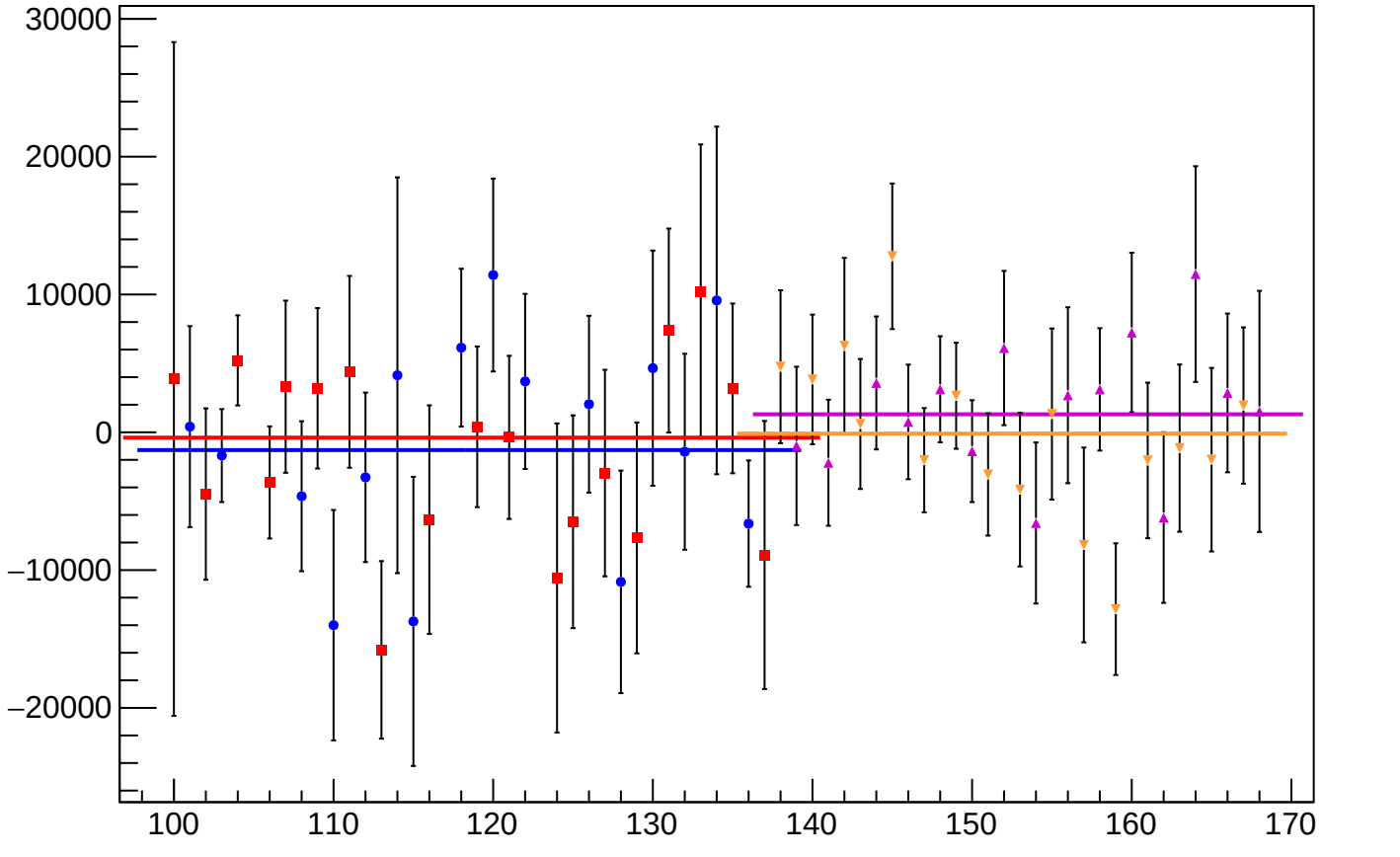
Left: 1851.559+/-0.262 χ^2/NDF: 33779.9/30

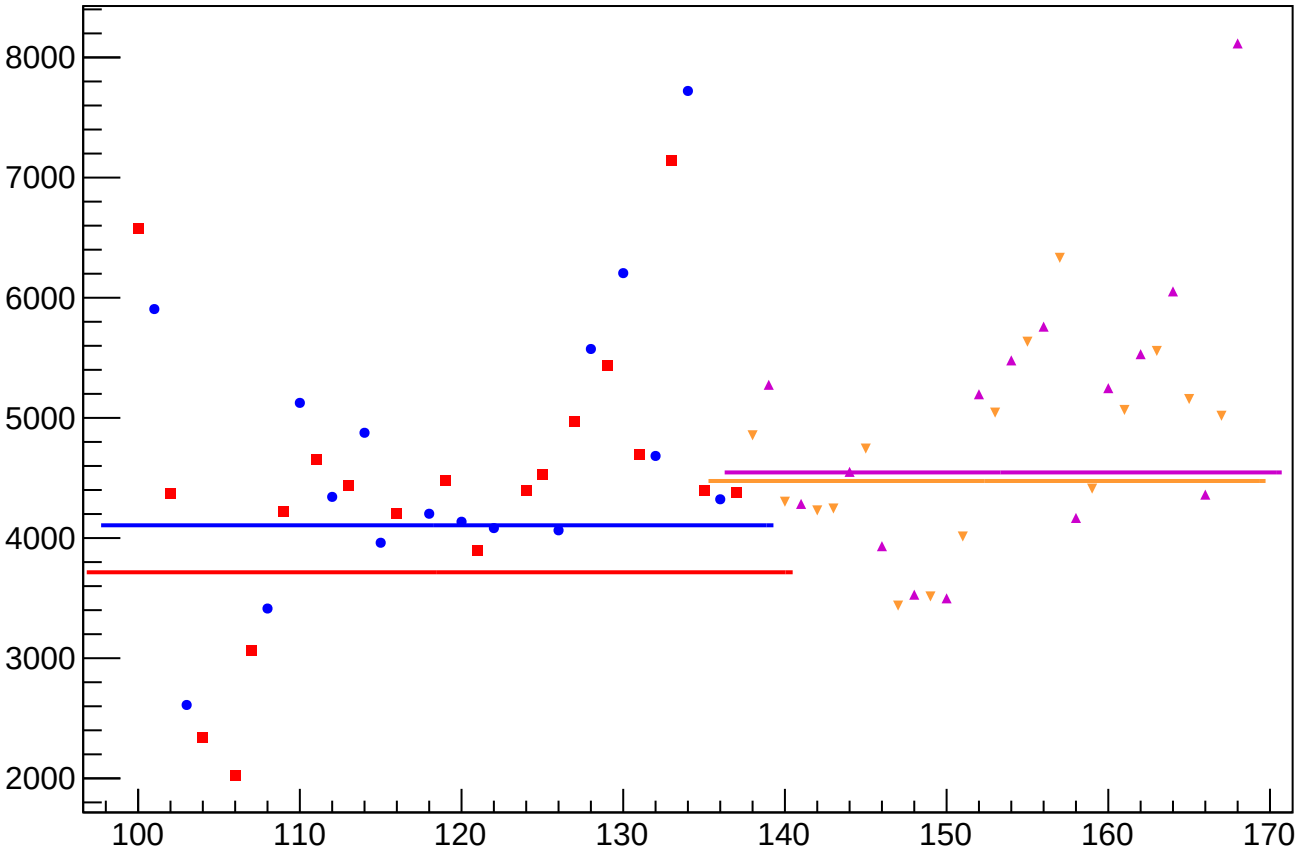
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1872.742+/-0.301 χ^2/NDF:723625.5/30

Out: 1870.309+/-0.297 χ^2/NDF:240734.0/34

All: 1871.509+/-0.212 χ^2/NDF: 964392.5/65


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -93.618+/-1285.252 χ²/NDF:19.0/15
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1305.966+/-1322.981 χ²/NDF:8.8/14
Left: 585.932+/-921.860 χ²/NDF: 28.4/30
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 239.995+/-1015.780 χ²/NDF:24.6/30
Out: -222.825+/-962.252 χ²/NDF:36.0/34
All: -3.930+/-698.572 χ²/NDF: 60.7/65



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF:675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4546.230+/-0.935 χ^2/NDF:1036286.6/14

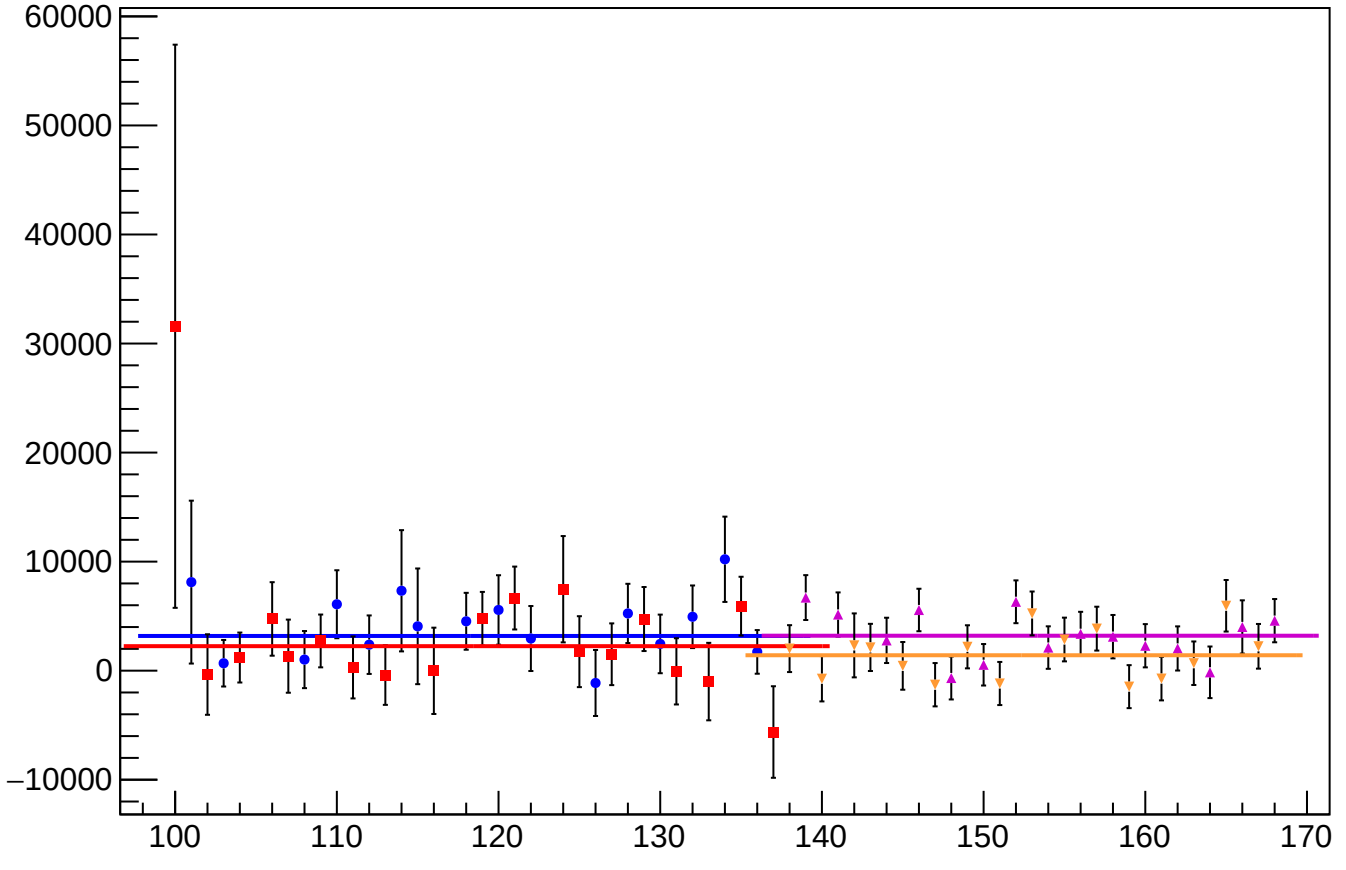
Left: 4509.588+/-0.652 χ^2/NDF: 1714819.8/30

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4365.616+/-0.718 χ^2/NDF:2082725.2/30

Out: 4141.098+/-0.680 χ^2/NDF:2317824.0/34

All: 4247.286+/-0.494 χ^2/NDF: 4452045.8/65



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1413.715+/-521.876 χ^2/NDF:18.2/15

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3204.550+/-524.810 χ^2/NDF:17.2/14

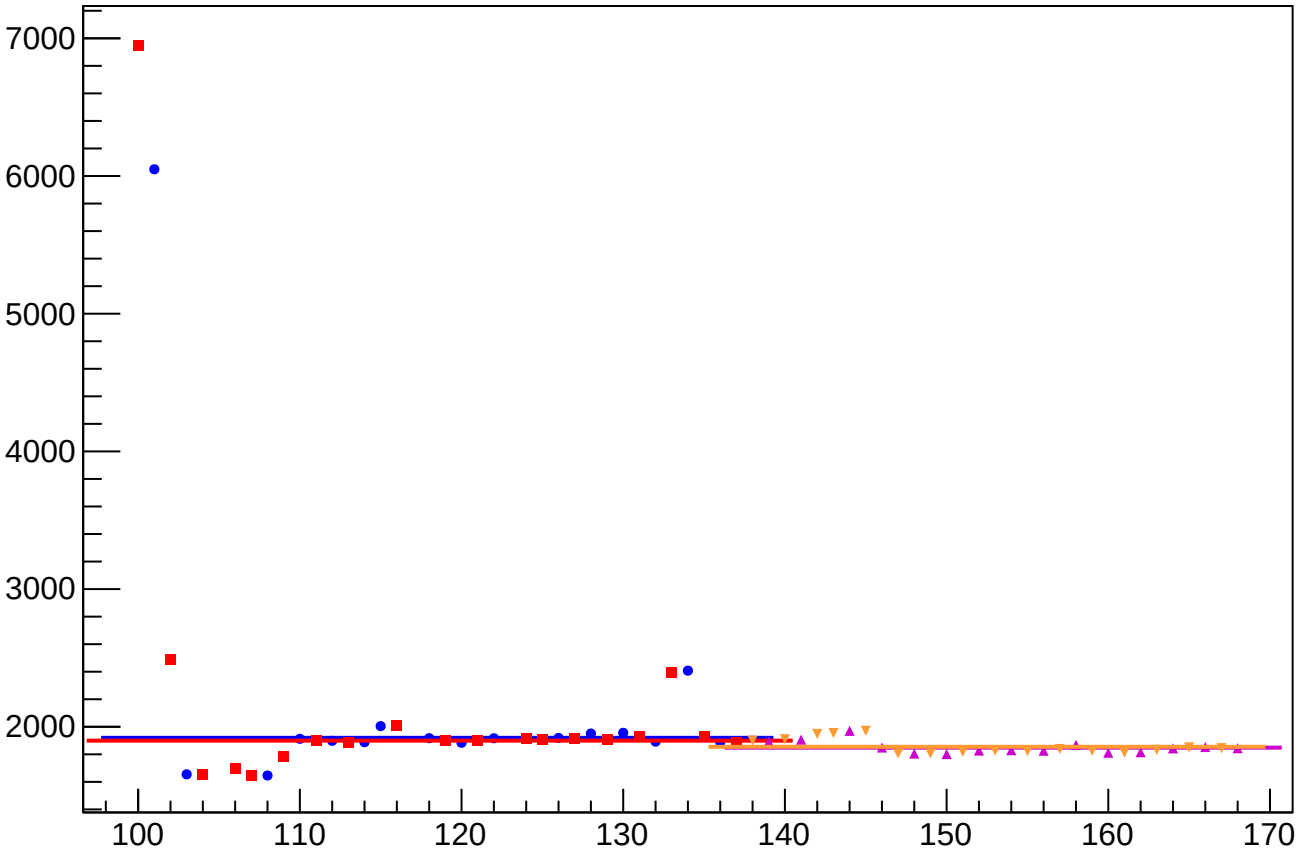
Left: 2304.112+/-370.055 χ^2/NDF: 41.2/30

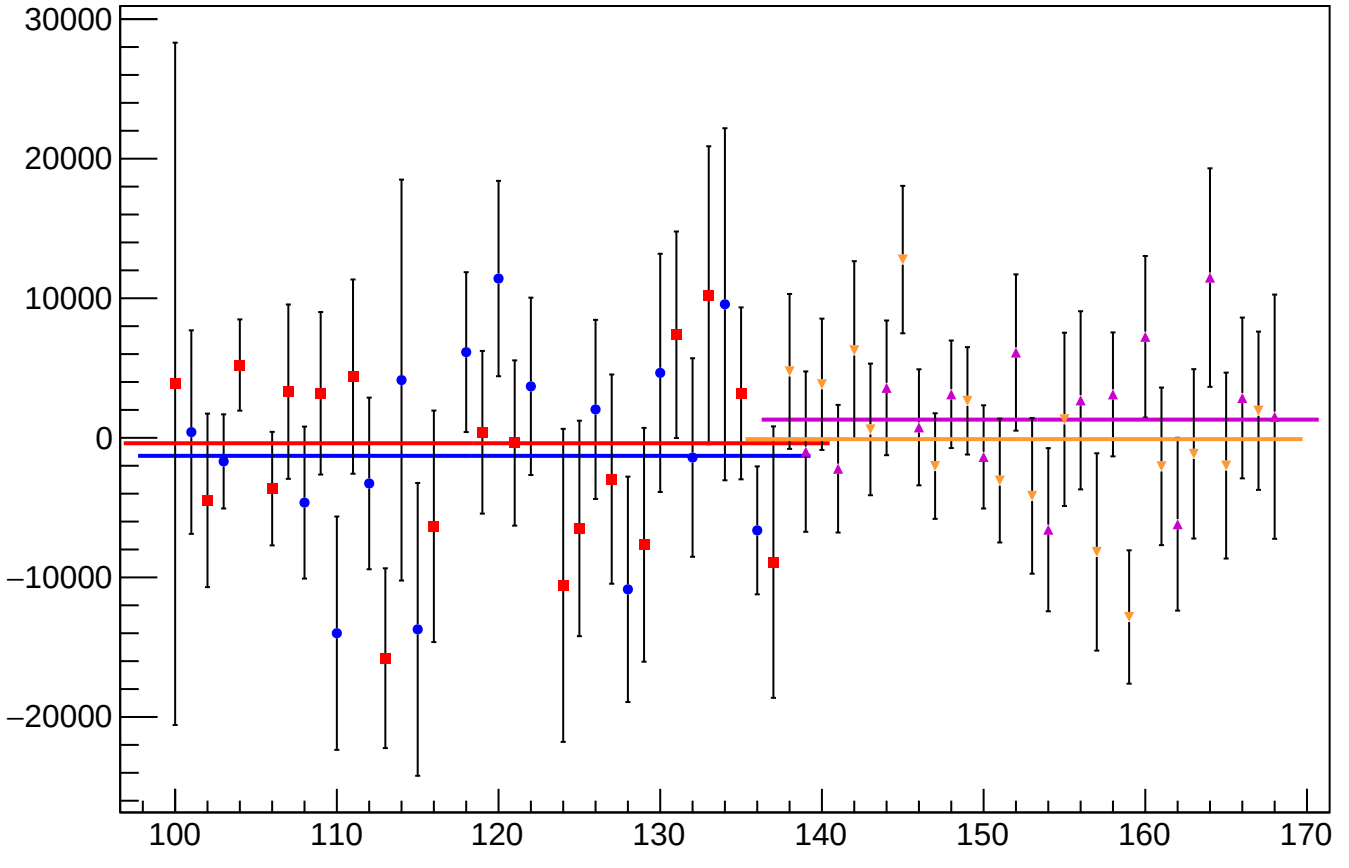
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

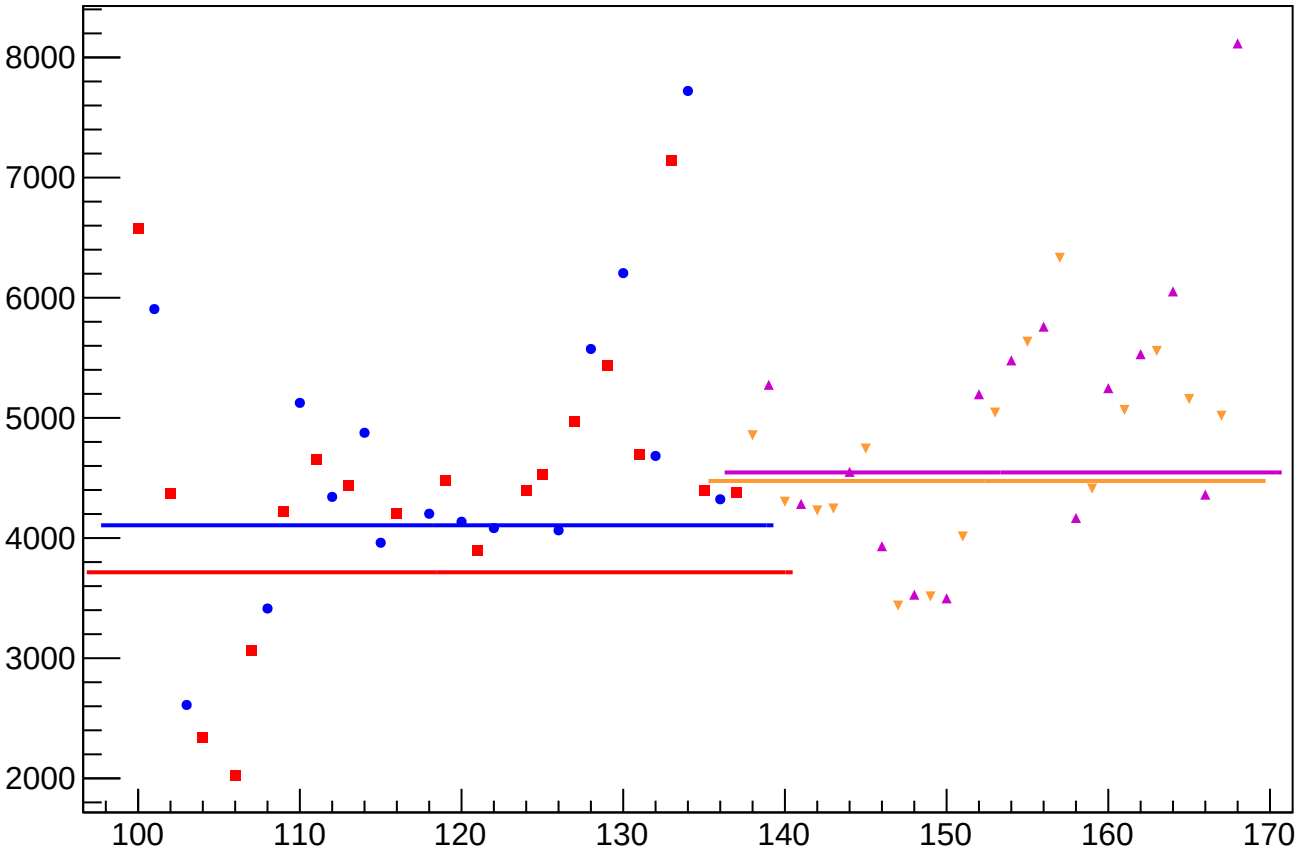
In: 3197.213+/-426.345 χ^2/NDF:28.8/30

Out: 1705.582+/-420.692 χ^2/NDF:35.6/34

All: 2441.442+/-299.453 χ^2/NDF: 70.6/65


eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1919.827+/-0.517 χ²/NDF: 697330.6/15
Left Out: 1854.602+/-0.369 χ²/NDF:19916.8/15
Right Out: 1899.364+/-0.502 χ²/NDF: 215654.1/18
Left In: 1848.482+/-0.371 χ²/NDF:13726.3/14
Left: 1851.559+/-0.262 χ²/NDF: 33779.9/30
Right: 1909.293+/-0.360 χ²/NDF: 913791.4/34
In: 1872.742+/-0.301 χ²/NDF:723625.5/30
Out: 1870.309+/-0.297 χ²/NDF:240734.0/34
All: 1871.509+/-0.212 χ²/NDF: 964392.5/65


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -93.618+/-1285.252 χ²/NDF:19.0/15
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1305.966+/-1322.981 χ²/NDF:8.8/14
Left: 585.932+/-921.860 χ²/NDF: 28.4/30
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 239.995+/-1015.780 χ²/NDF:24.6/30
Out: -222.825+/-962.252 χ²/NDF:36.0/34
All: -3.930+/-698.572 χ²/NDF: 60.7/65



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4475.006+/-0.909 χ^2/NDF:675551.1/15

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4546.230+/-0.935 χ^2/NDF:1036286.6/14

Left: 4509.588+/-0.652 χ^2/NDF: 1714819.8/30

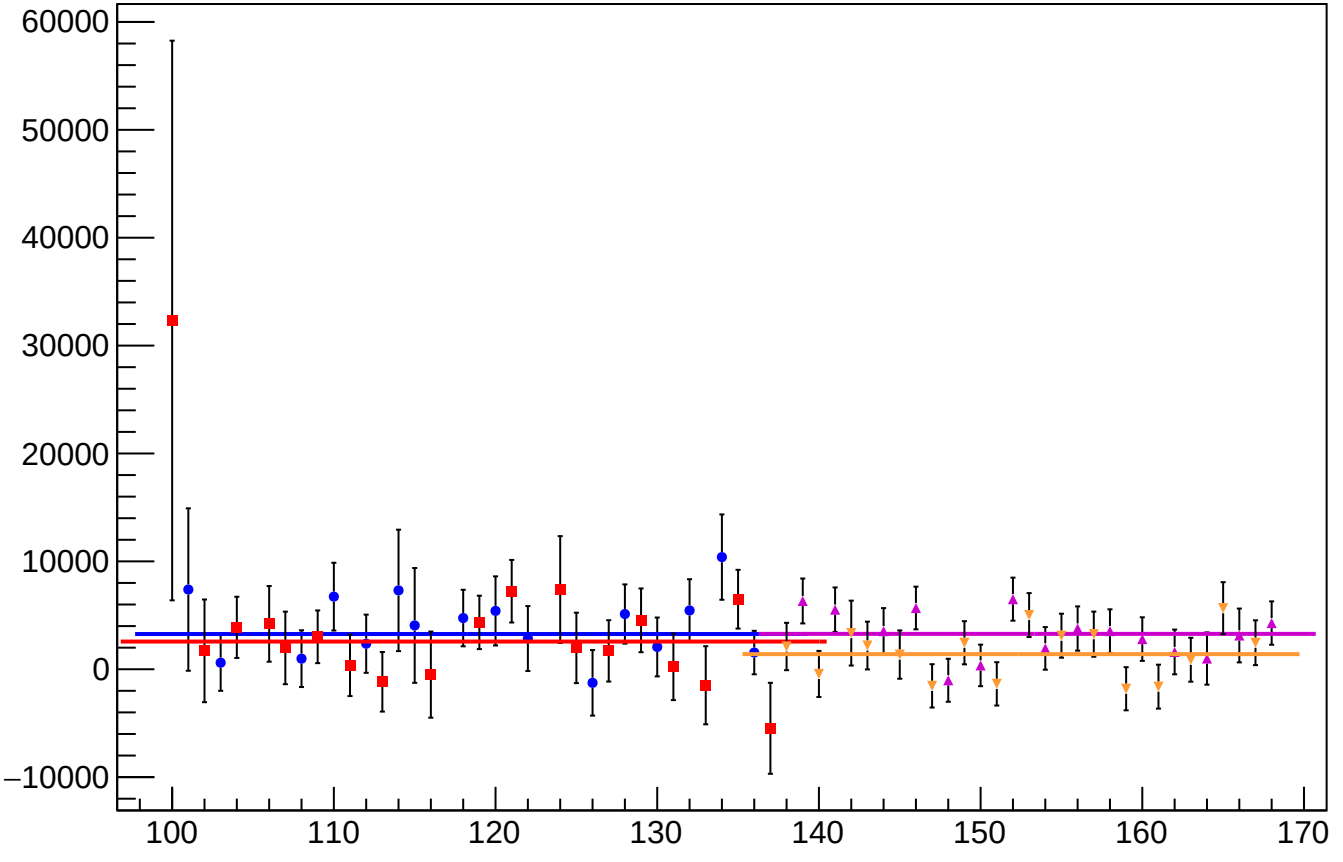
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4365.616+/-0.718 χ^2/NDF:2082725.2/30

Out: 4141.098+/-0.680 χ^2/NDF:2317824.0/34

All: 4247.286+/-0.494 χ^2/NDF: 4452045.8/65

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.674+/-531.975 χ^2/NDF:18.6/15

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3278.755+/-533.833 χ^2/NDF:16.8/14

Left: 2336.441+/-376.818 χ^2/NDF: 41.6/30

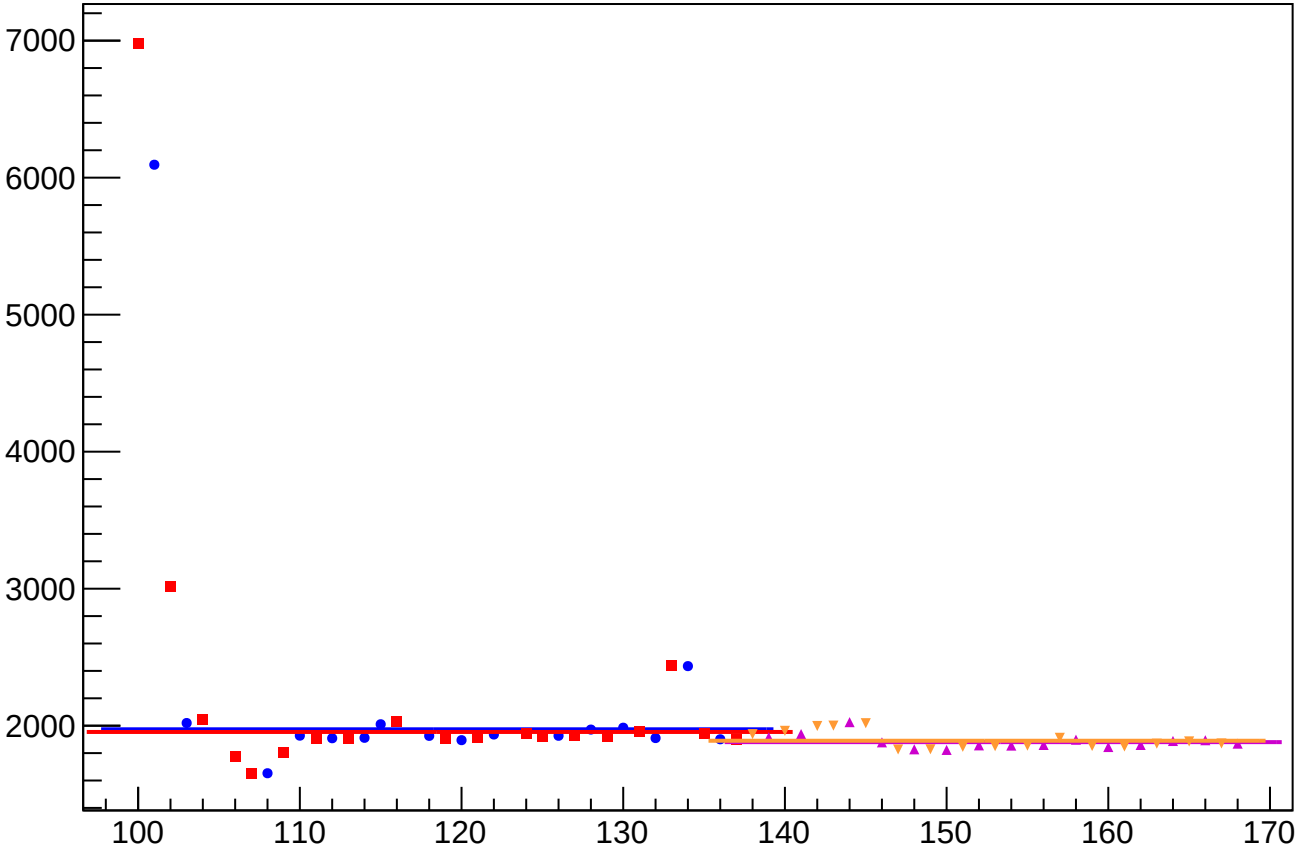
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3274.016+/-435.082 χ^2/NDF:28.9/30

Out: 1801.600+/-430.918 χ^2/NDF:37.2/34

All: 2530.729+/-306.167 χ^2/NDF: 72.0/65

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1890.182+/-0.376 χ^2/NDF:25794.2/15

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.095+/-0.377 χ^2/NDF:16594.9/14

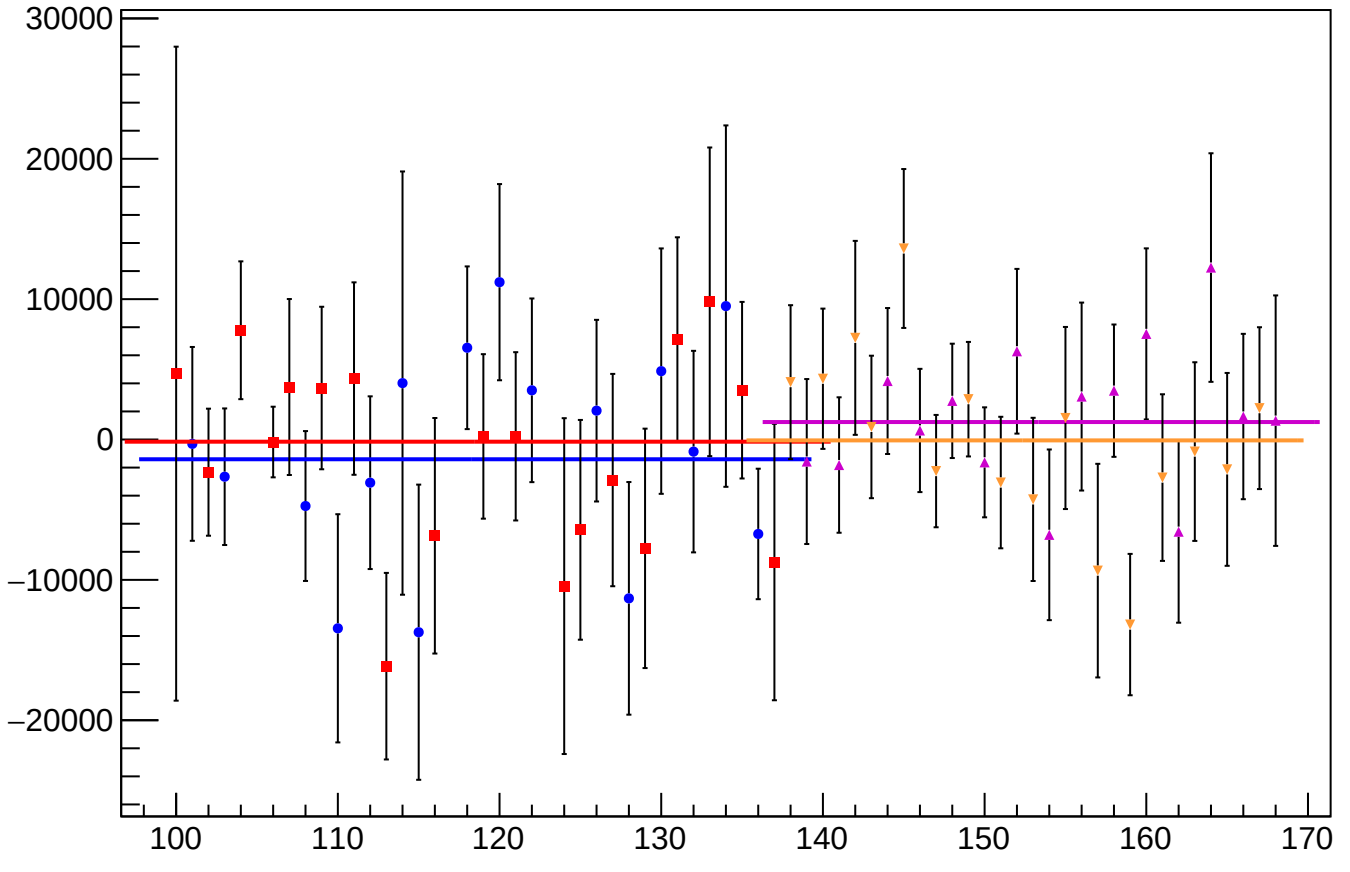
Left: 1885.156+/-0.266 χ^2/NDF: 42747.3/30

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1911.539+/-0.308 χ^2/NDF:702386.5/30

Out: 1912.267+/-0.305 χ^2/NDF:282019.2/34

All: 1911.907+/-0.216 χ^2/NDF: 984408.5/65



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -62.832+/-1352.384 χ^2/NDF:18.9/15

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1244.726+/-1391.075 χ^2/NDF:8.8/14

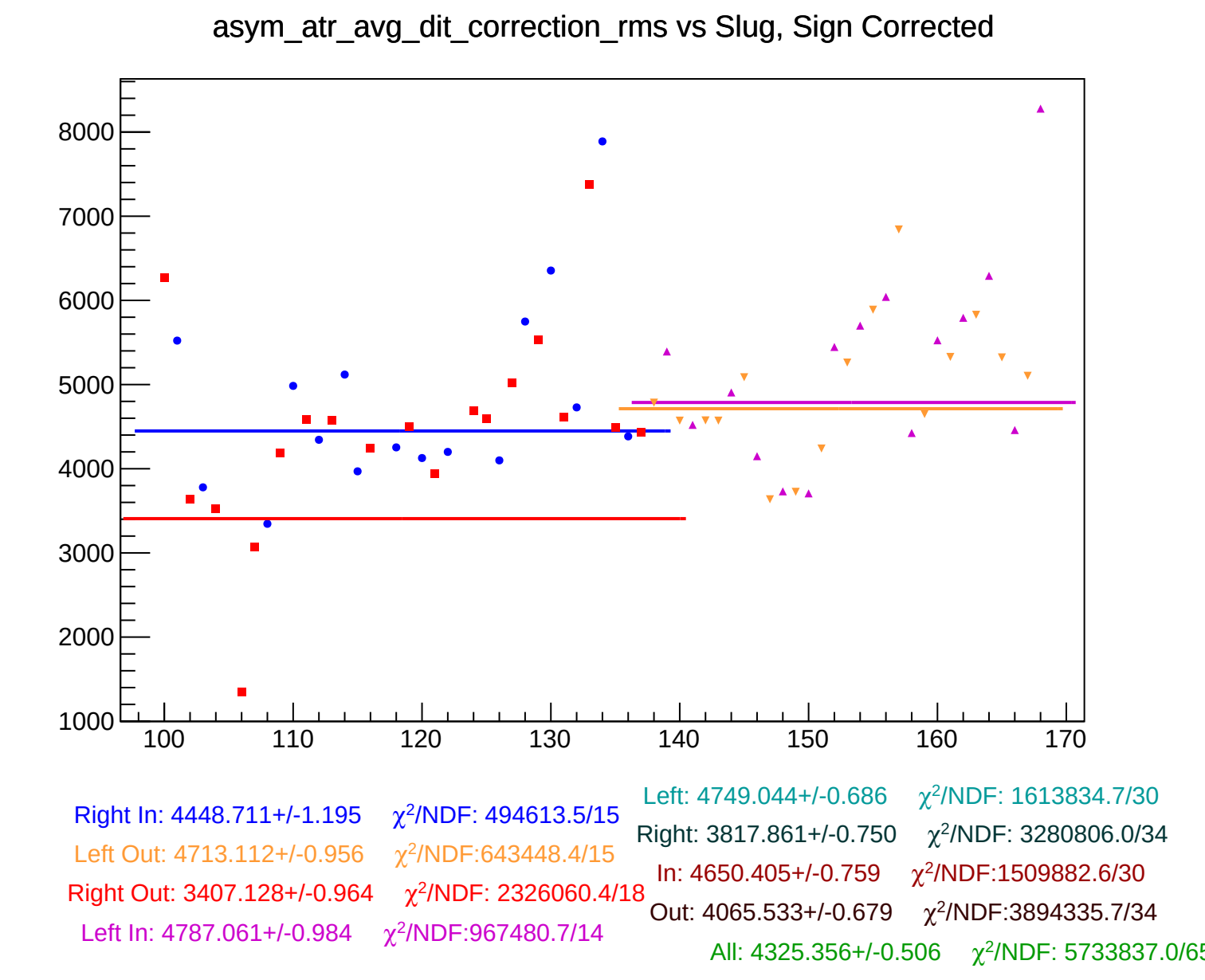
Left: 572.510+/-969.670 χ^2/NDF: 28.1/30

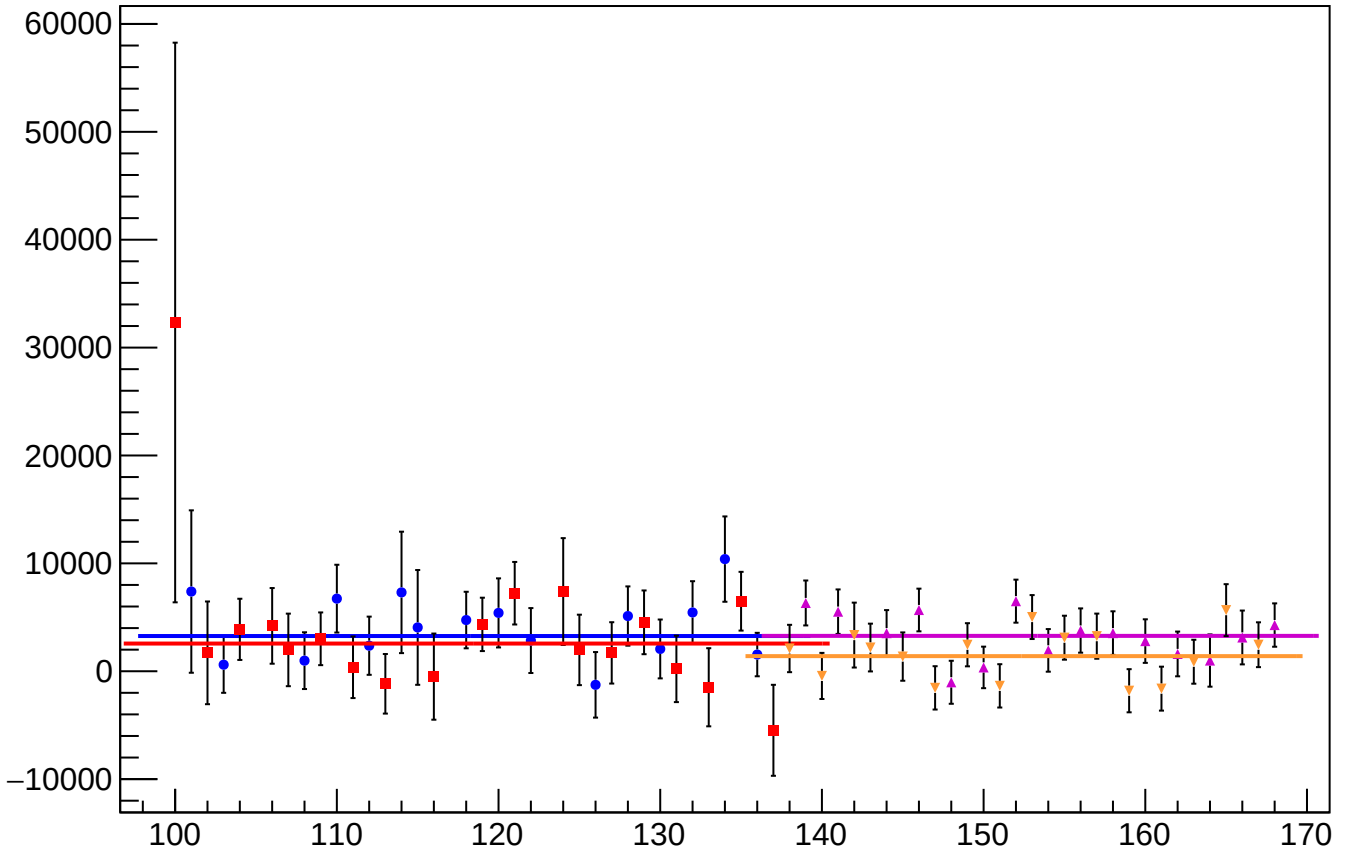
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: 173.571+/-1074.025 χ^2/NDF:24.5/30

Out: -108.669+/-960.236 χ^2/NDF:34.7/34

All: 16.713+/-715.850 χ^2/NDF: 59.2/65


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4713.112+/-0.956 χ²/NDF:643448.4/15
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4787.061+/-0.984 χ²/NDF:967480.7/14
Left: 4749.044+/-0.686 χ²/NDF: 1613834.7/30
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4650.405+/-0.759 χ²/NDF:1509882.6/30
Out: 4065.533+/-0.679 χ²/NDF:3894335.7/34
All: 4325.356+/-0.506 χ²/NDF: 5733837.0/65



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1400.666+/-531.975 χ^2/NDF:18.6/15

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3278.758+/-533.833 χ^2/NDF:16.8/14

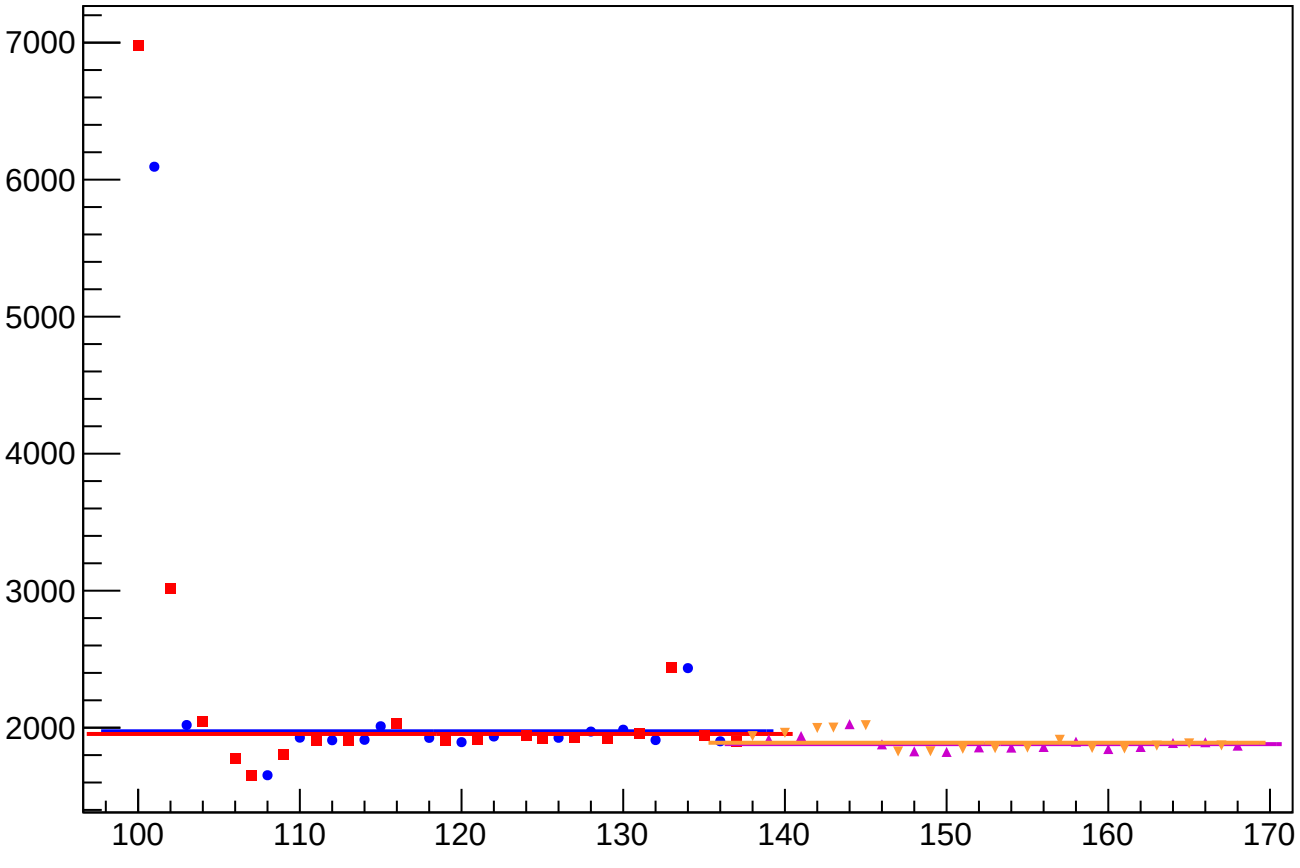
Left: 2336.438+/-376.819 χ^2/NDF: 41.6/30

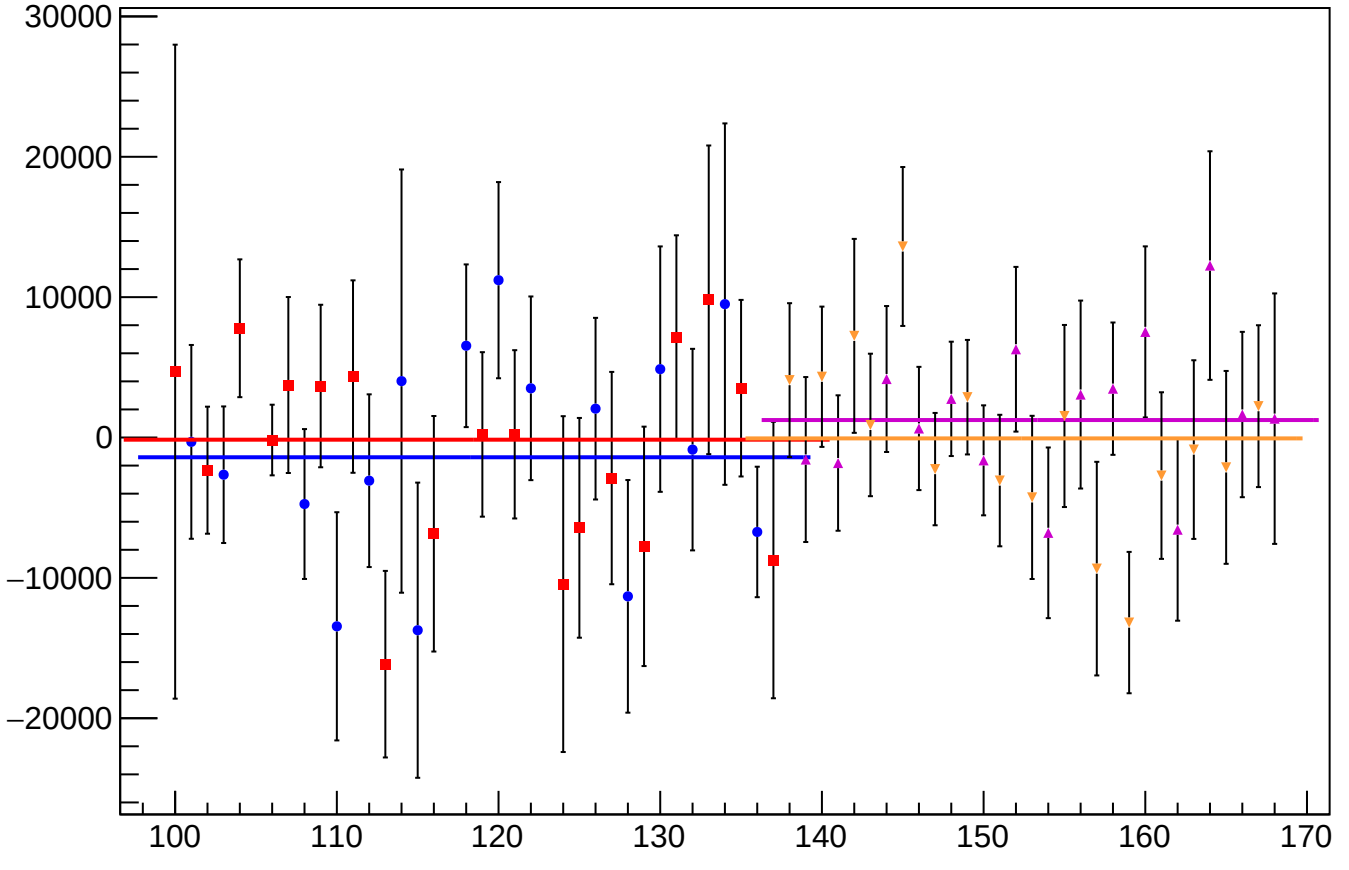
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

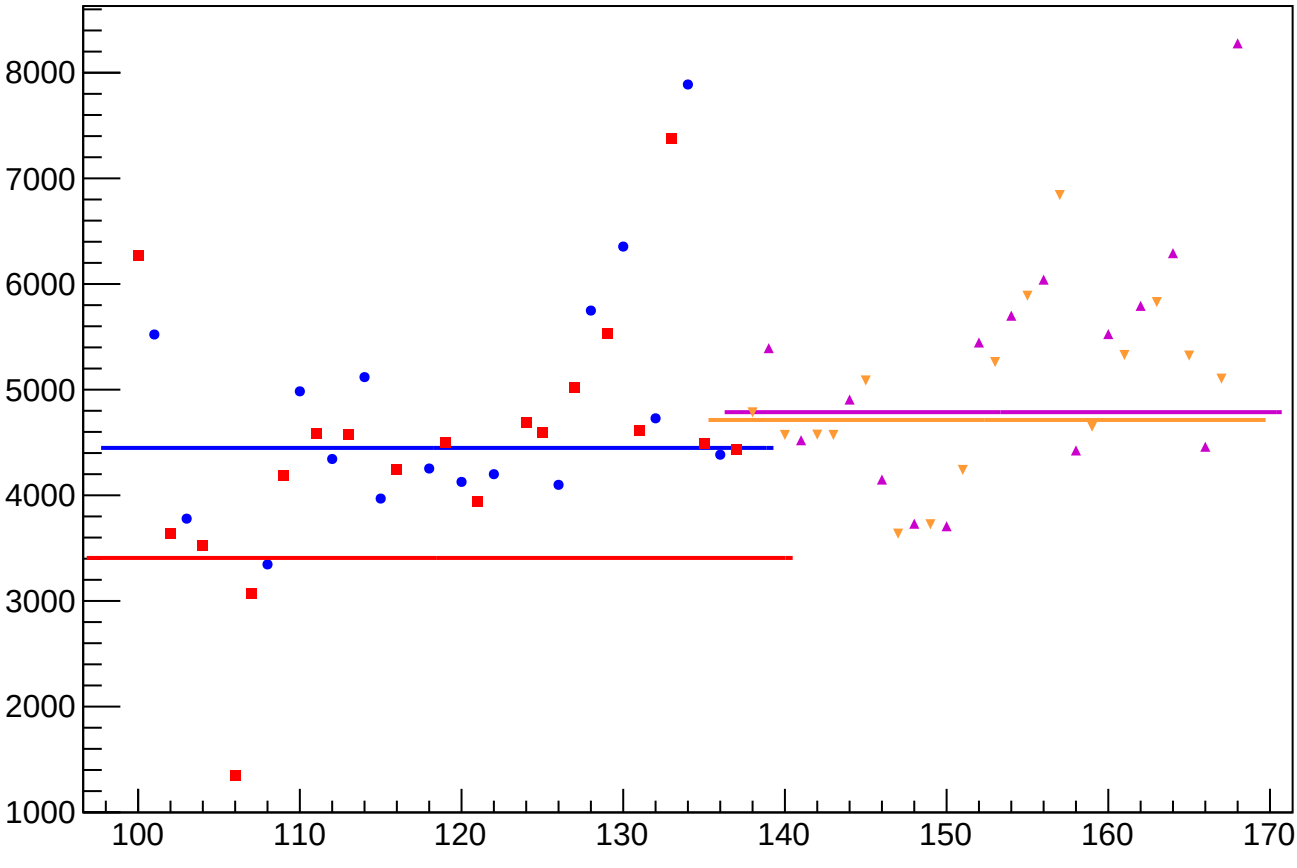
In: 3274.019+/-435.082 χ^2/NDF:28.9/30

Out: 1801.597+/-430.918 χ^2/NDF:37.2/34

All: 2530.729+/-306.167 χ^2/NDF: 72.0/65


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1890.183+/-0.376 χ²/NDF:25794.2/15
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1880.095+/-0.377 χ²/NDF:16594.8/14
Left: 1885.157+/-0.266 χ²/NDF: 42747.4/30
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1911.539+/-0.308 χ²/NDF:702385.9/30
Out: 1912.268+/-0.305 χ²/NDF:282018.4/34
All: 1911.907+/-0.216 χ²/NDF: 984407.1/65


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: -62.837+/-1352.387 χ²/NDF:18.9/15
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 1244.724+/-1391.077 χ²/NDF:8.8/14
Left: 572.507+/-969.672 χ²/NDF: 28.1/30
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: 173.573+/-1074.025 χ²/NDF:24.5/30
Out: -108.672+/-960.235 χ²/NDF:34.7/34
All: 16.712+/-715.850 χ²/NDF: 59.2/65



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4713.120+/-0.956 χ^2/NDF:643449.1/15

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4787.069+/-0.984 χ^2/NDF:967480.3/14

Left: 4749.052+/-0.686 χ^2/NDF: 1613835.1/30

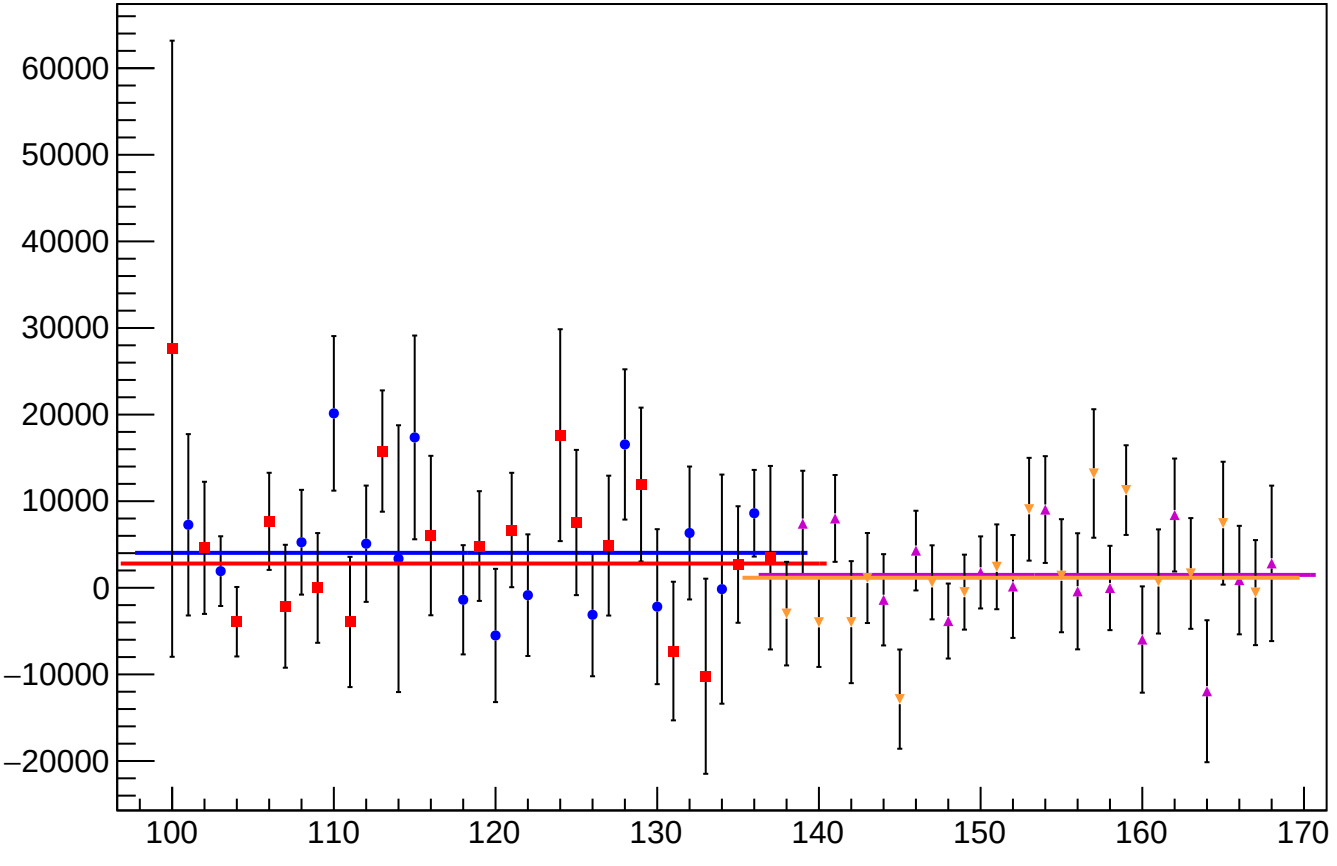
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4650.406+/-0.759 χ^2/NDF:1509883.6/30

Out: 4065.531+/-0.679 χ^2/NDF:3894363.3/34

All: 4325.355+/-0.506 χ^2/NDF: 5733869.9/65

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1157.792+/-1400.957 χ^2/NDF:17.3/15

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1489.450+/-1439.102 χ^2/NDF:11.9/14

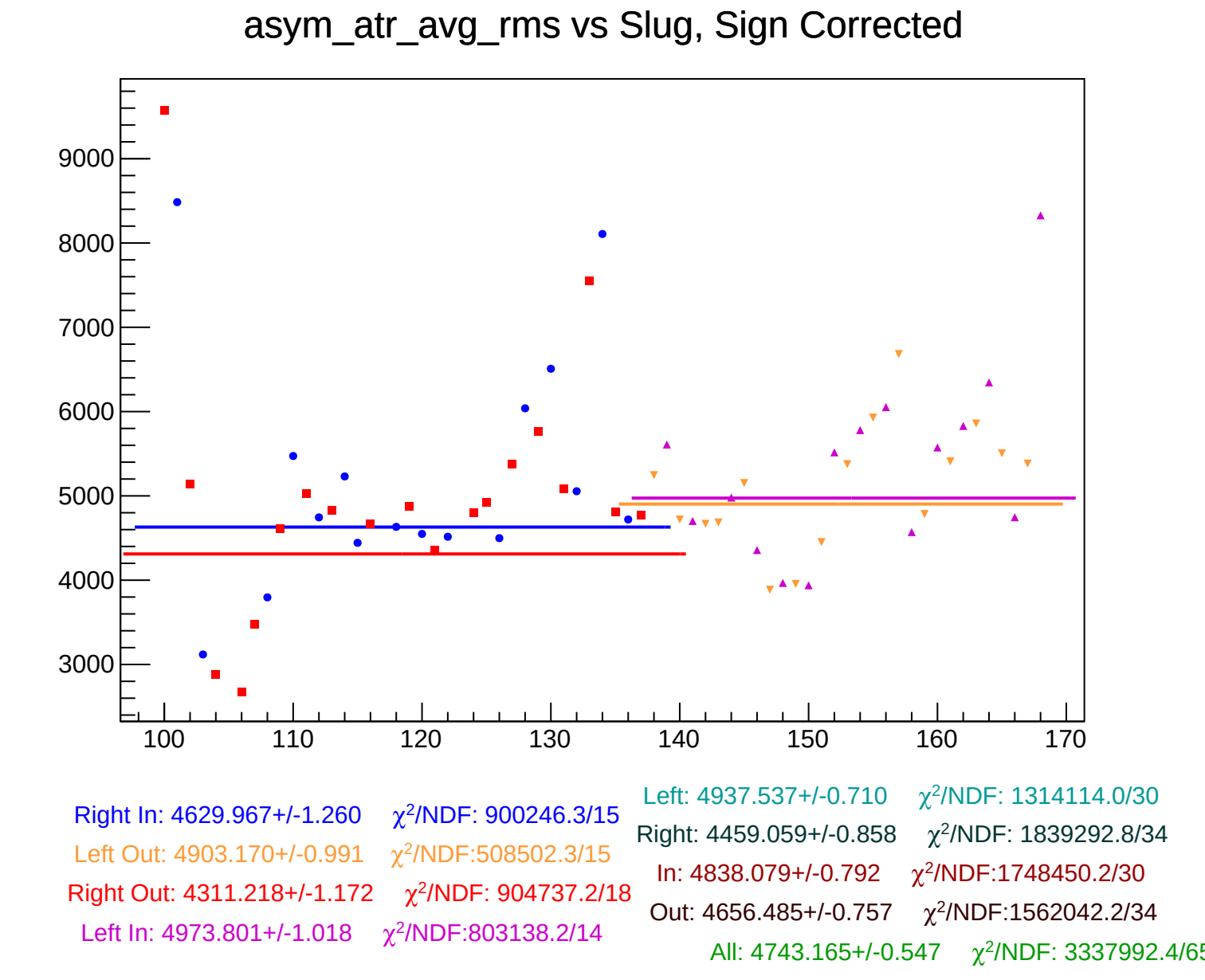
Left: 1319.167+/-1003.841 χ^2/NDF: 29.2/30

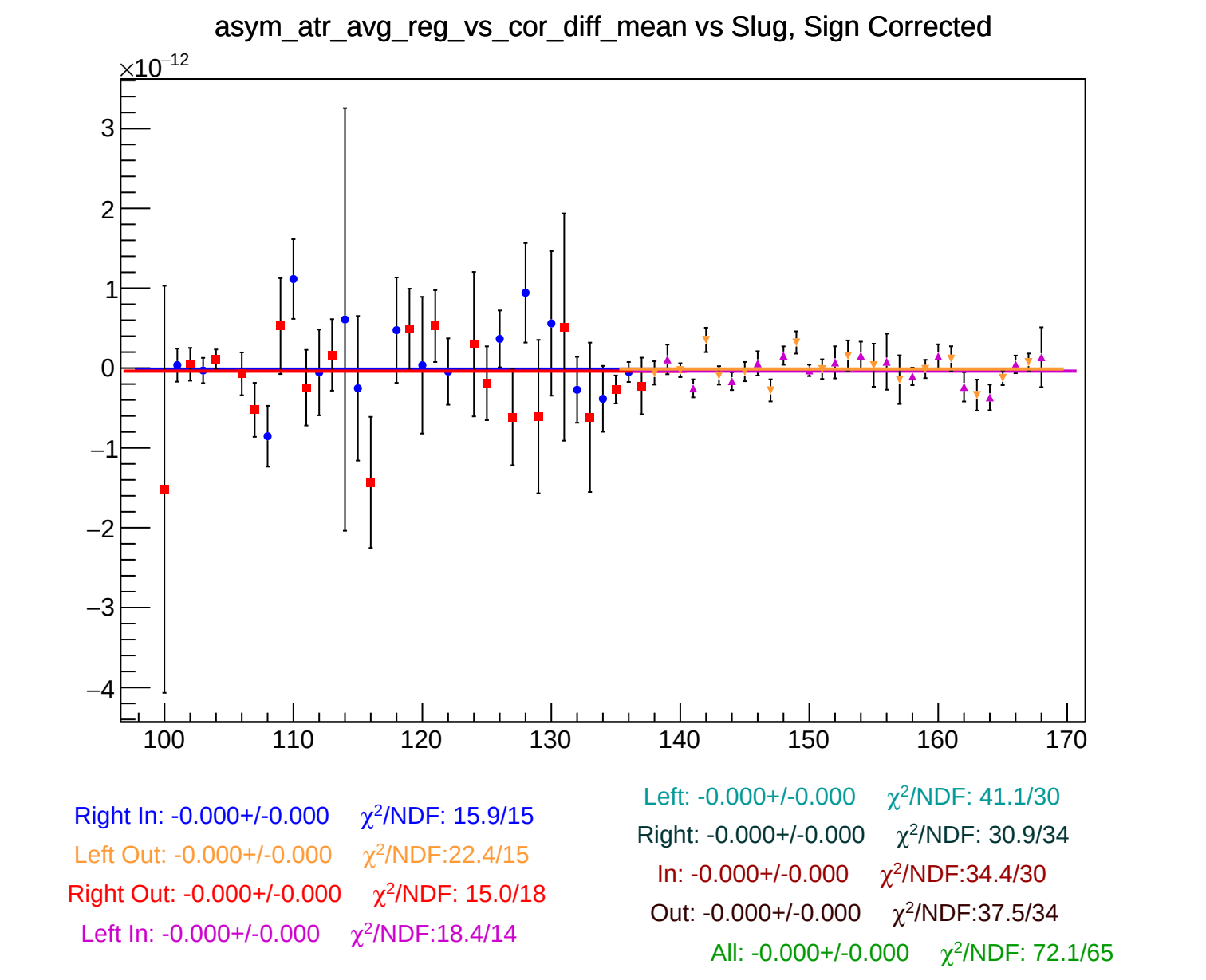
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

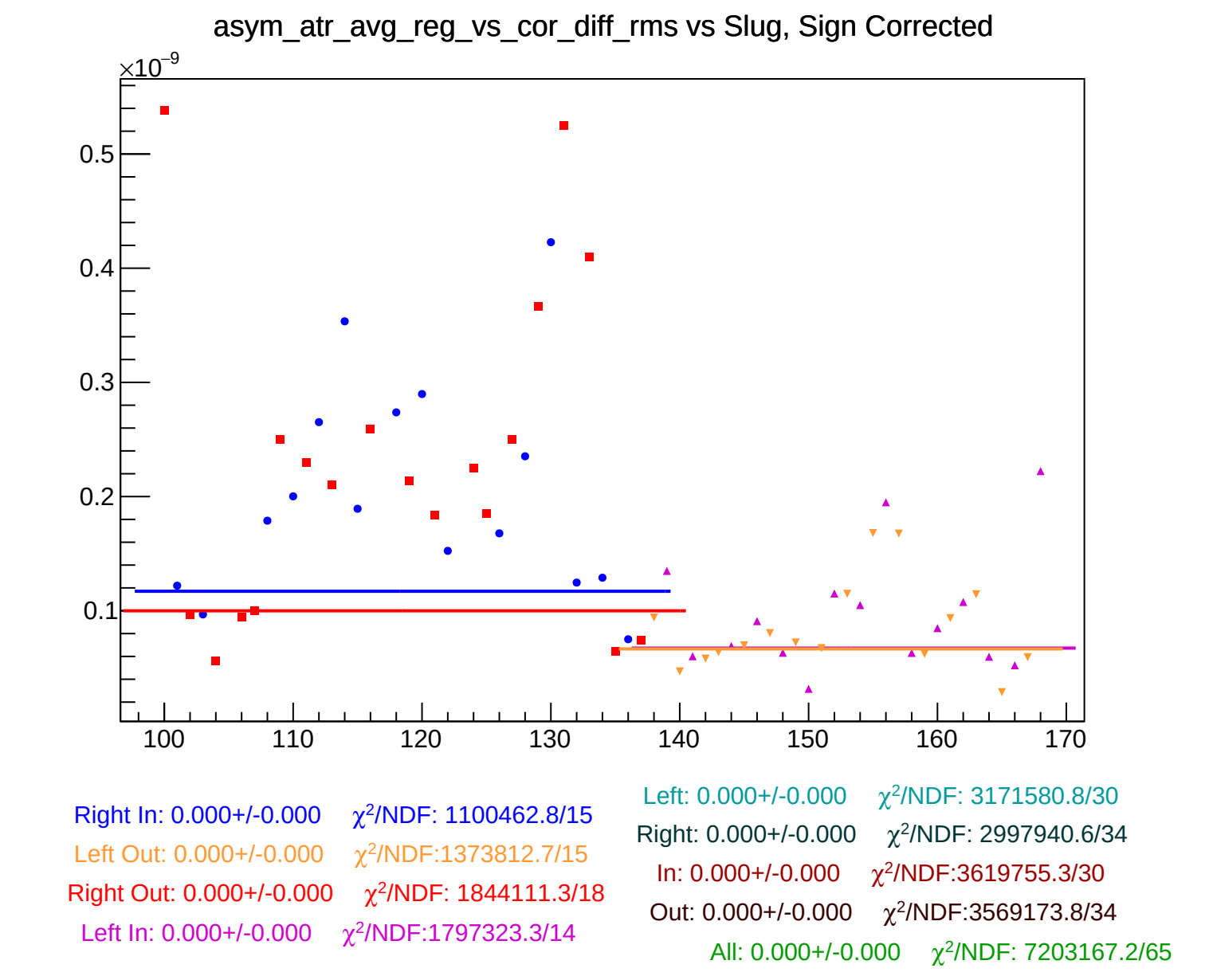
In: 2494.088+/-1119.607 χ^2/NDF:25.4/30

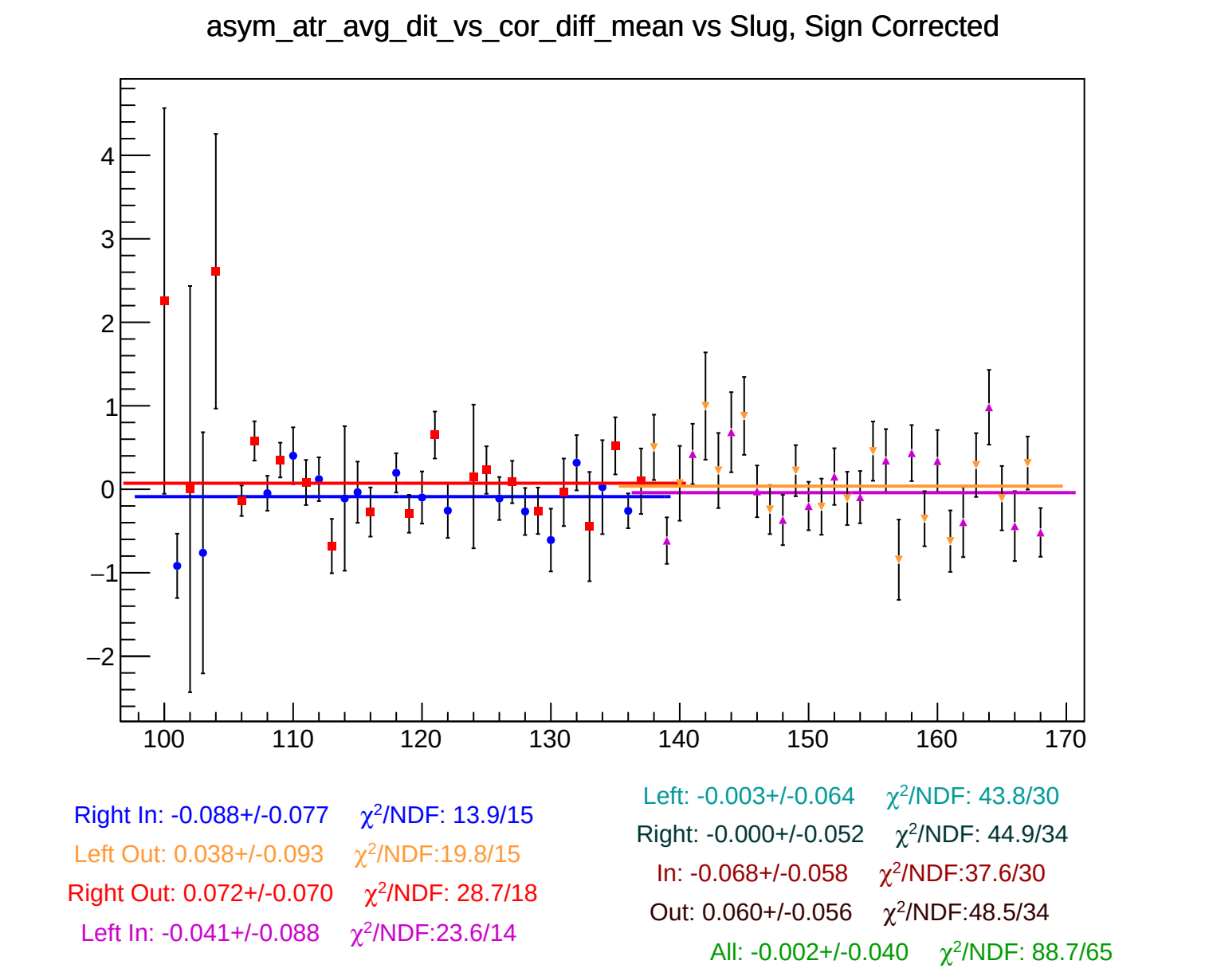
Out: 1835.451+/-1073.800 χ^2/NDF:33.3/34

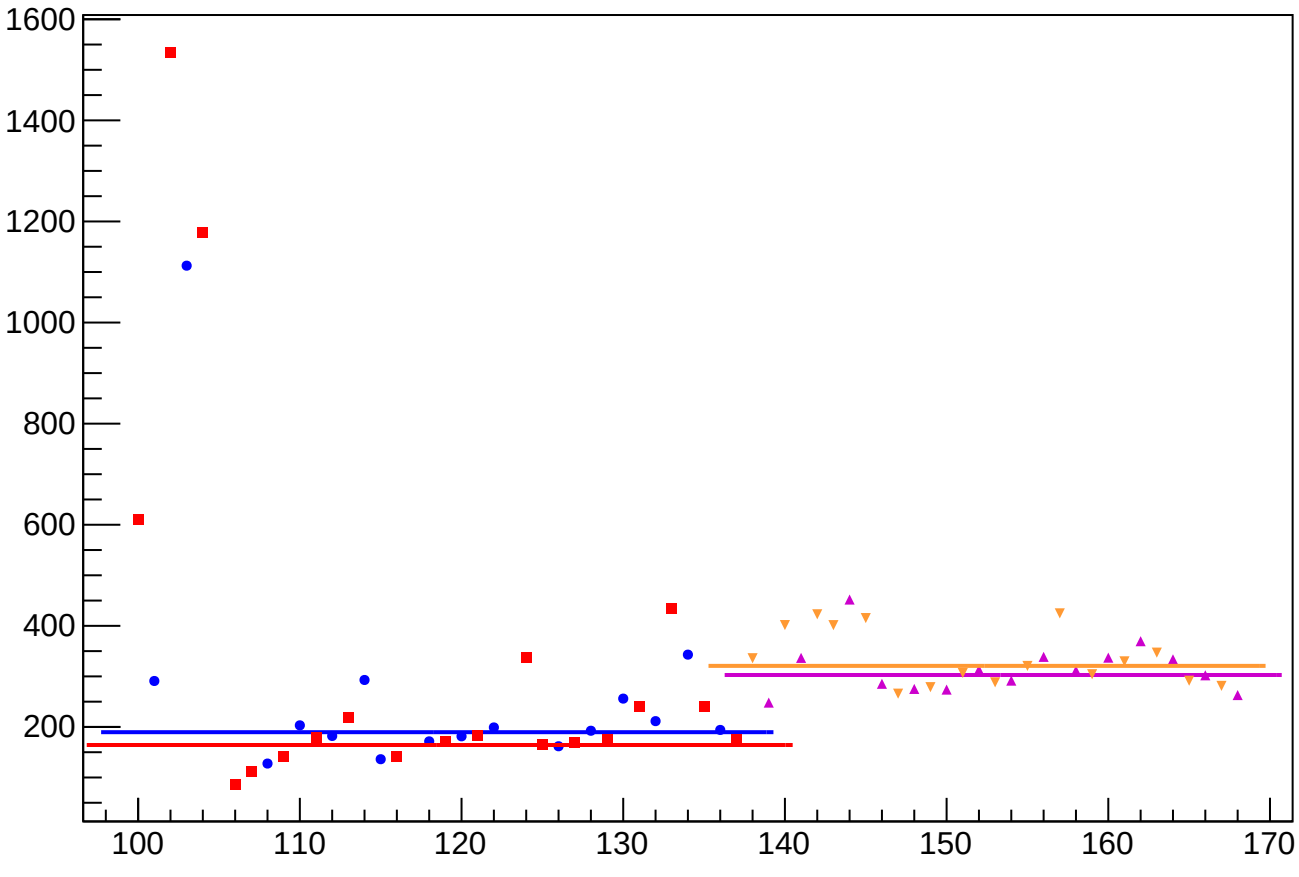
All: 2151.021+/-774.979 χ^2/NDF: 59.0/65


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 4629.967+/-1.260 χ²/NDF: 900246.3/15
Left Out: 4903.170+/-0.991 χ²/NDF:508502.3/15
Right Out: 4311.218+/-1.172 χ²/NDF: 904737.2/18
Left In: 4973.801+/-1.018 χ²/NDF:803138.2/14
Left: 4937.537+/-0.710 χ²/NDF: 1314114.0/30
Right: 4459.059+/-0.858 χ²/NDF: 1839292.8/34
In: 4838.079+/-0.792 χ²/NDF:1748450.2/30
Out: 4656.485+/-0.757 χ²/NDF:1562042.2/34
All: 4743.165+/-0.547 χ²/NDF: 3337992.4/65


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:22.4/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/14
Left: -0.000+/-0.000 χ²/NDF: 41.1/30
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:34.4/30
Out: -0.000+/-0.000 χ²/NDF:37.5/34
All: -0.000+/-0.000 χ²/NDF: 72.1/65


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1373812.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1797323.3/14
Left: 0.000+/-0.000 χ²/NDF: 3171580.8/30
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3619755.3/30
Out: 0.000+/-0.000 χ²/NDF:3569173.8/34
All: 0.000+/-0.000 χ²/NDF: 7203167.2/65


asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.038+/-0.093 χ²/NDF:19.8/15
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.041+/-0.088 χ²/NDF:23.6/14
Left: -0.003+/-0.064 χ²/NDF: 43.8/30
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.068+/-0.058 χ²/NDF:37.6/30
Out: 0.060+/-0.056 χ²/NDF:48.5/34
All: -0.002+/-0.040 χ²/NDF: 88.7/65



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 320.813+/-0.065 χ^2/NDF:548530.8/15

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.776+/-0.062 χ^2/NDF:469205.7/14

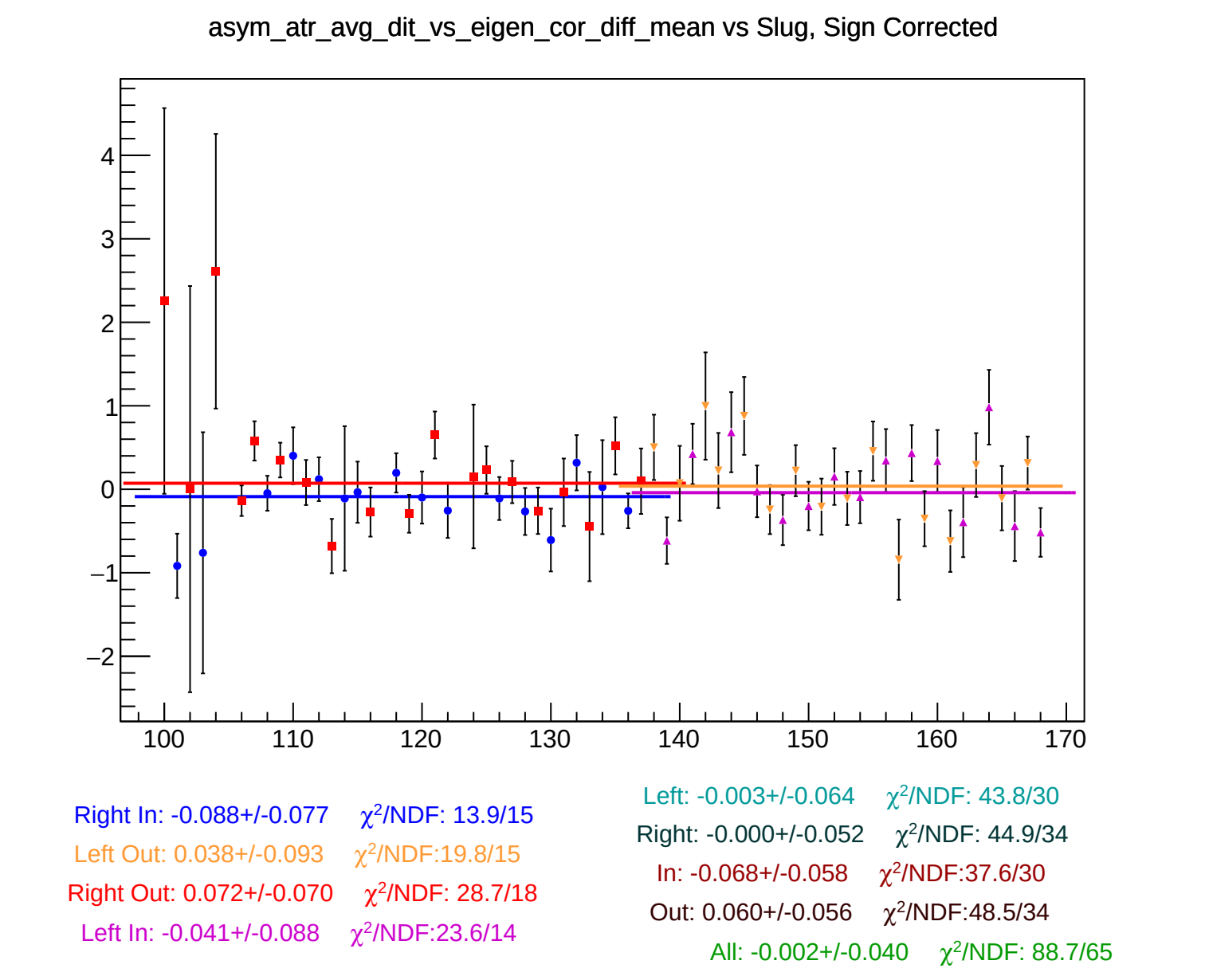
Left: 311.365+/-0.045 χ^2/NDF: 1057503.6/30

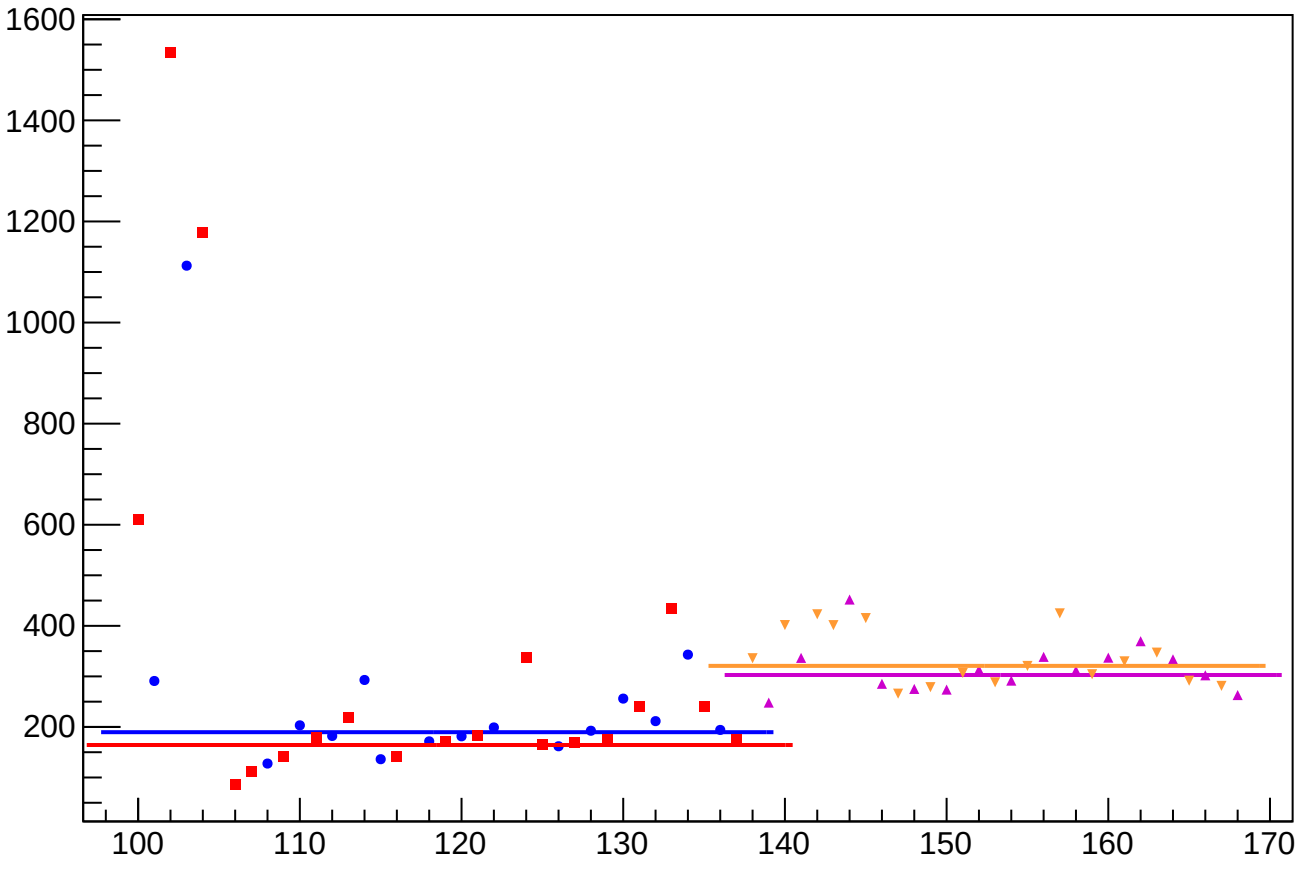
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.358+/-0.041 χ^2/NDF:3805807.4/30

Out: 221.236+/-0.039 χ^2/NDF:6828945.6/34

All: 229.484+/-0.028 χ^2/NDF: 10725326.0/65


asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.038+/-0.093 χ²/NDF:19.8/15
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.041+/-0.088 χ²/NDF:23.6/14
Left: -0.003+/-0.064 χ²/NDF: 43.8/30
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.068+/-0.058 χ²/NDF:37.6/30
Out: 0.060+/-0.056 χ²/NDF:48.5/34
All: -0.002+/-0.040 χ²/NDF: 88.7/65



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 320.813+/-0.065 χ^2/NDF:548530.8/15

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.776+/-0.062 χ^2/NDF:469205.7/14

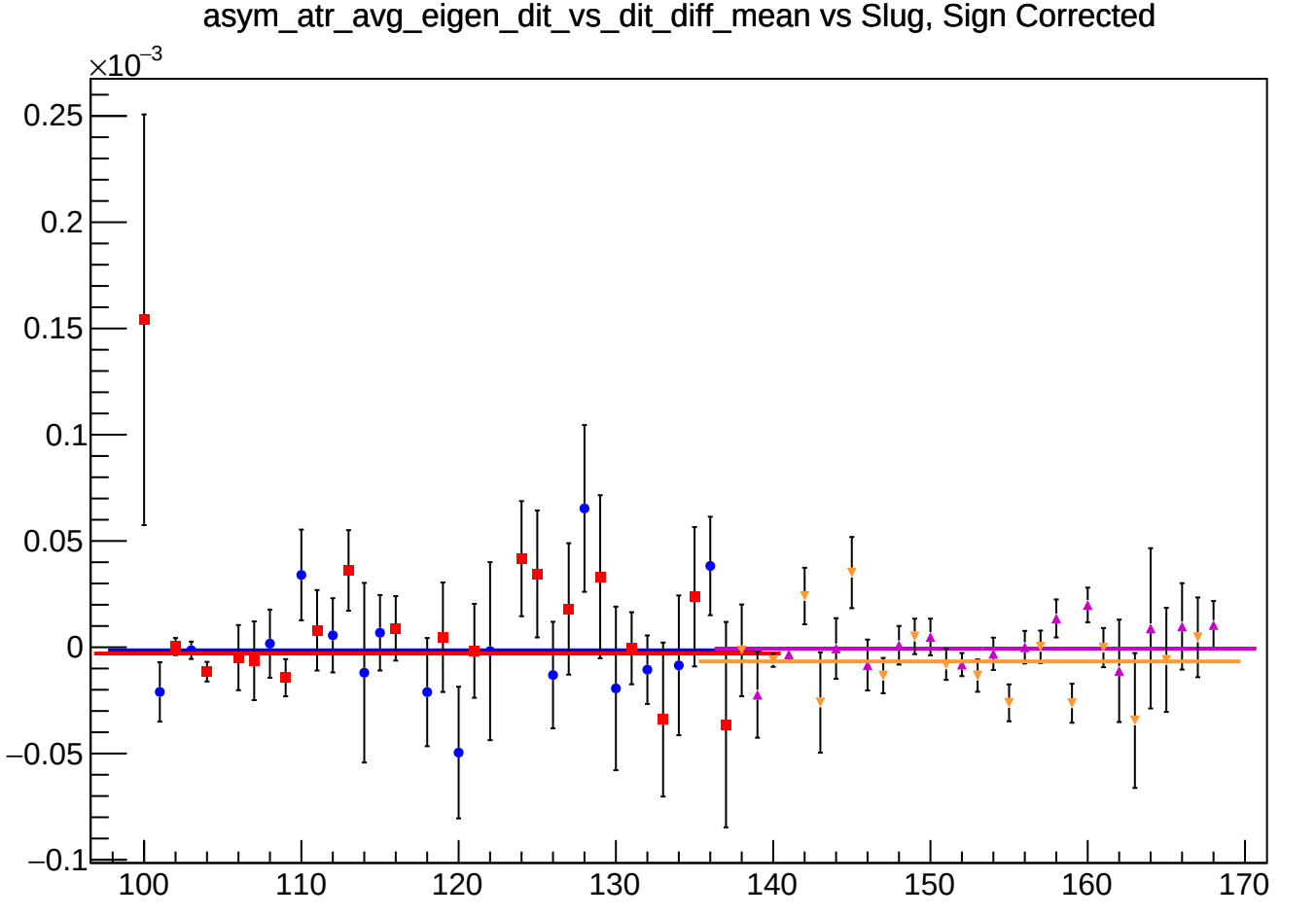
Left: 311.365+/-0.045 χ^2/NDF: 1057503.6/30

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 238.358+/-0.041 χ^2/NDF:3805807.4/30

Out: 221.236+/-0.039 χ^2/NDF:6828945.6/34

All: 229.484+/-0.028 χ^2/NDF: 10725326.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/14

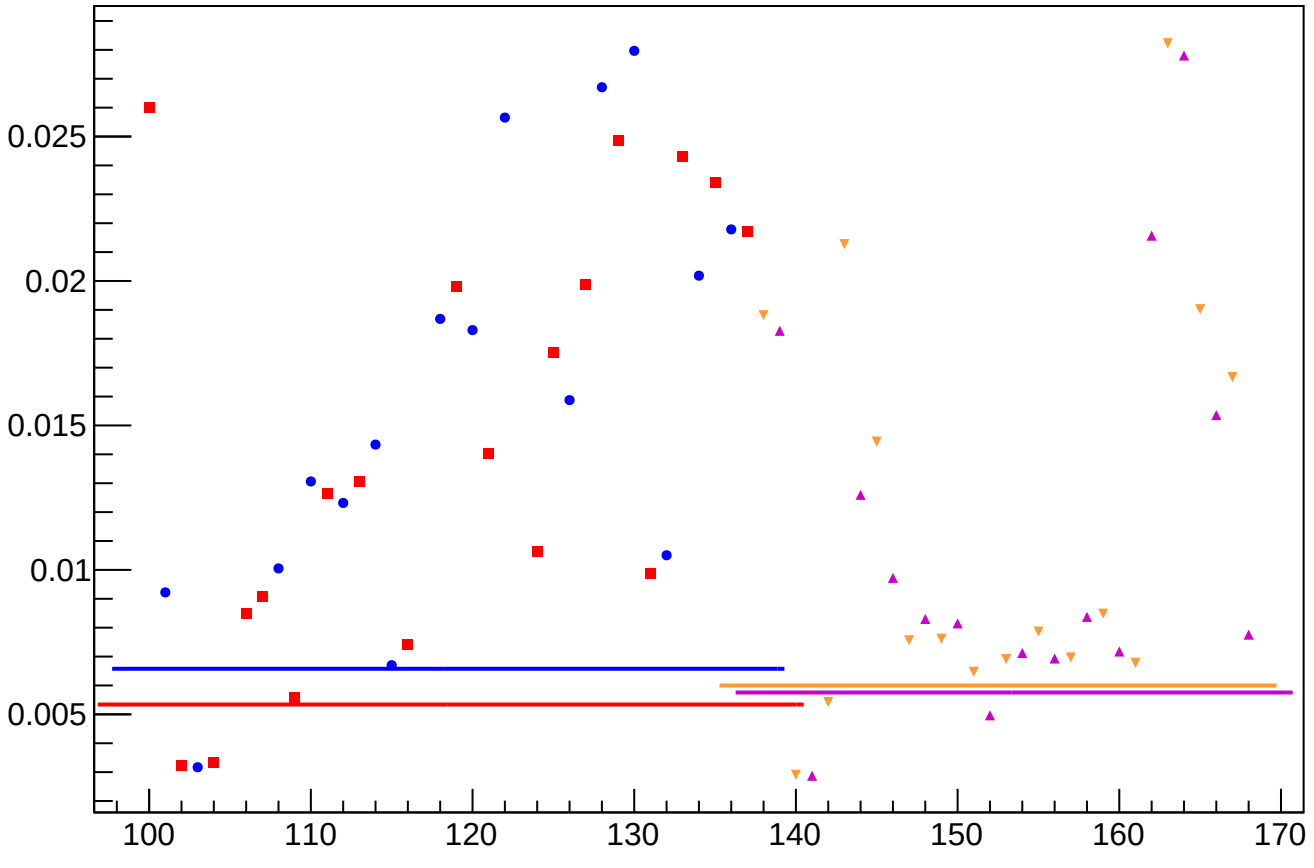
Left: -0.000+/-0.000 χ^2/NDF: 47.5/30

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:30.0/30

Out: -0.000+/-0.000 χ^2/NDF:50.5/34

All: -0.000+/-0.000 χ^2/NDF: 84.0/65



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6611379.3/15

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:5970895.4/14

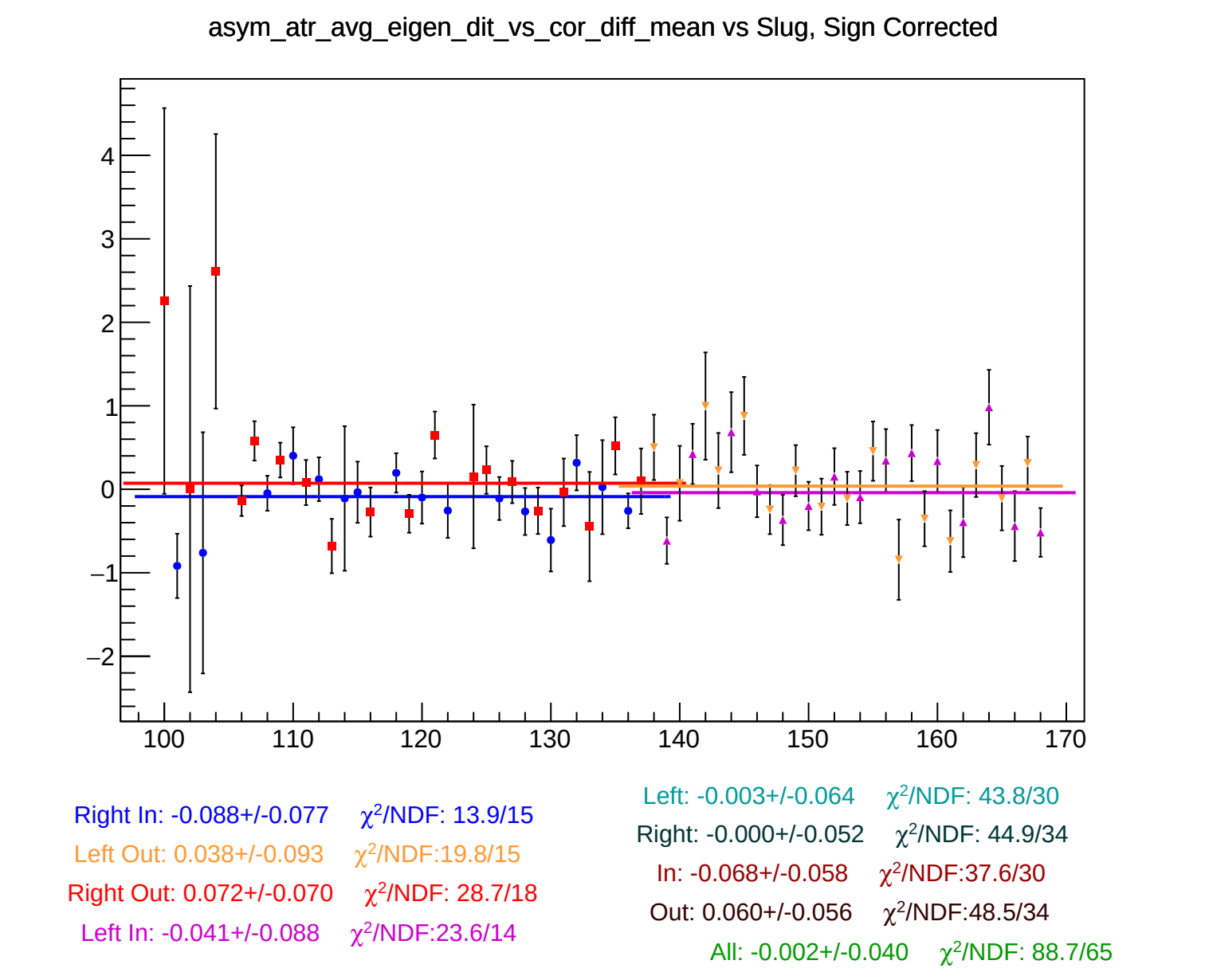
Left: 0.006+/-0.000 χ^2/NDF: 12596756.7/30

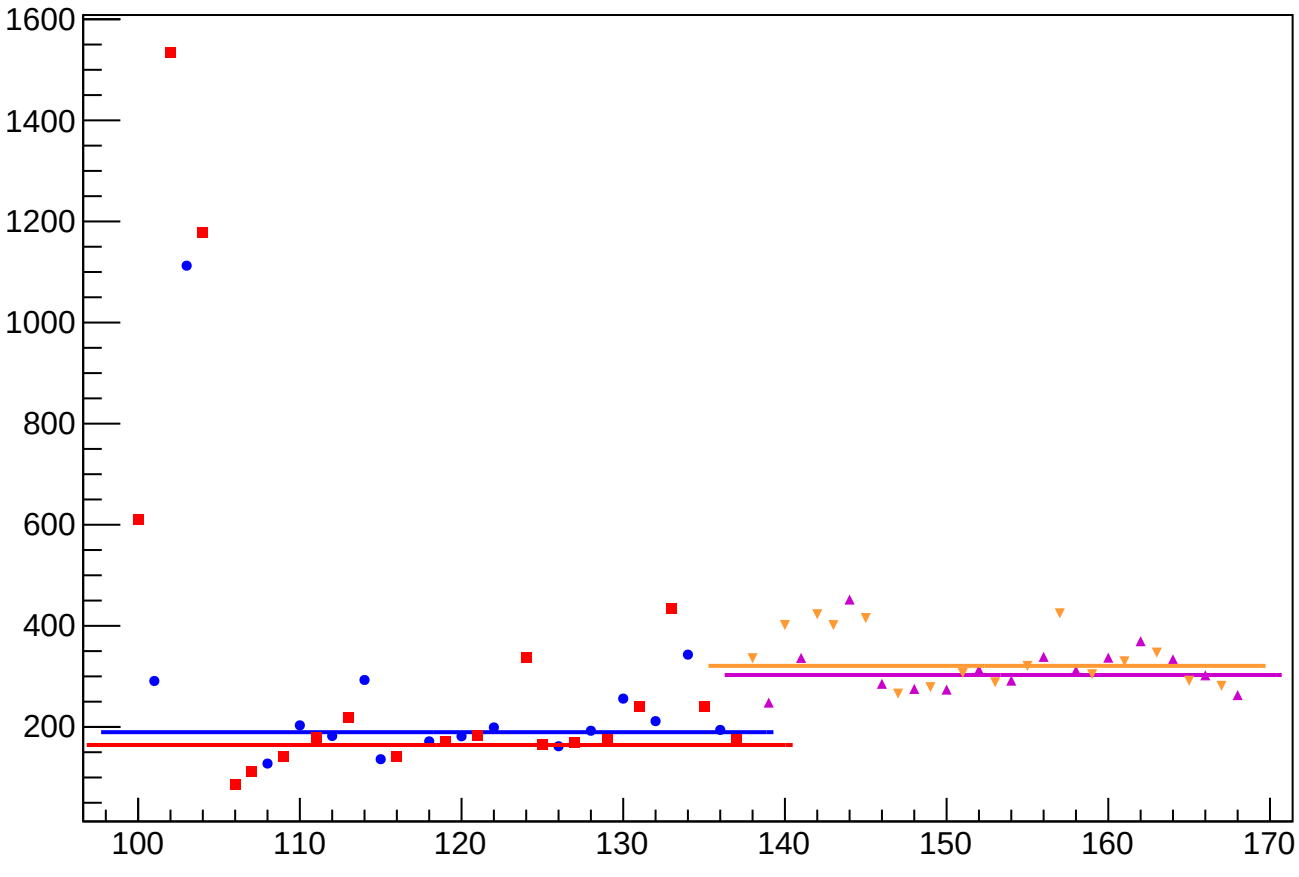
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:11989573.1/30

Out: 0.006+/-0.000 χ^2/NDF:12377614.5/34

All: 0.006+/-0.000 χ^2/NDF: 24386687.1/65


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.038+/-0.093 χ²/NDF:19.8/15
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.041+/-0.088 χ²/NDF:23.6/14
Left: -0.003+/-0.064 χ²/NDF: 43.8/30
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.068+/-0.058 χ²/NDF:37.6/30
Out: 0.060+/-0.056 χ²/NDF:48.5/34
All: -0.002+/-0.040 χ²/NDF: 88.7/65



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 320.819+/-0.065 χ^2/NDF:548519.2/15

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.781+/-0.062 χ^2/NDF:469196.1/14

Left: 311.370+/-0.045 χ^2/NDF: 1057483.0/30

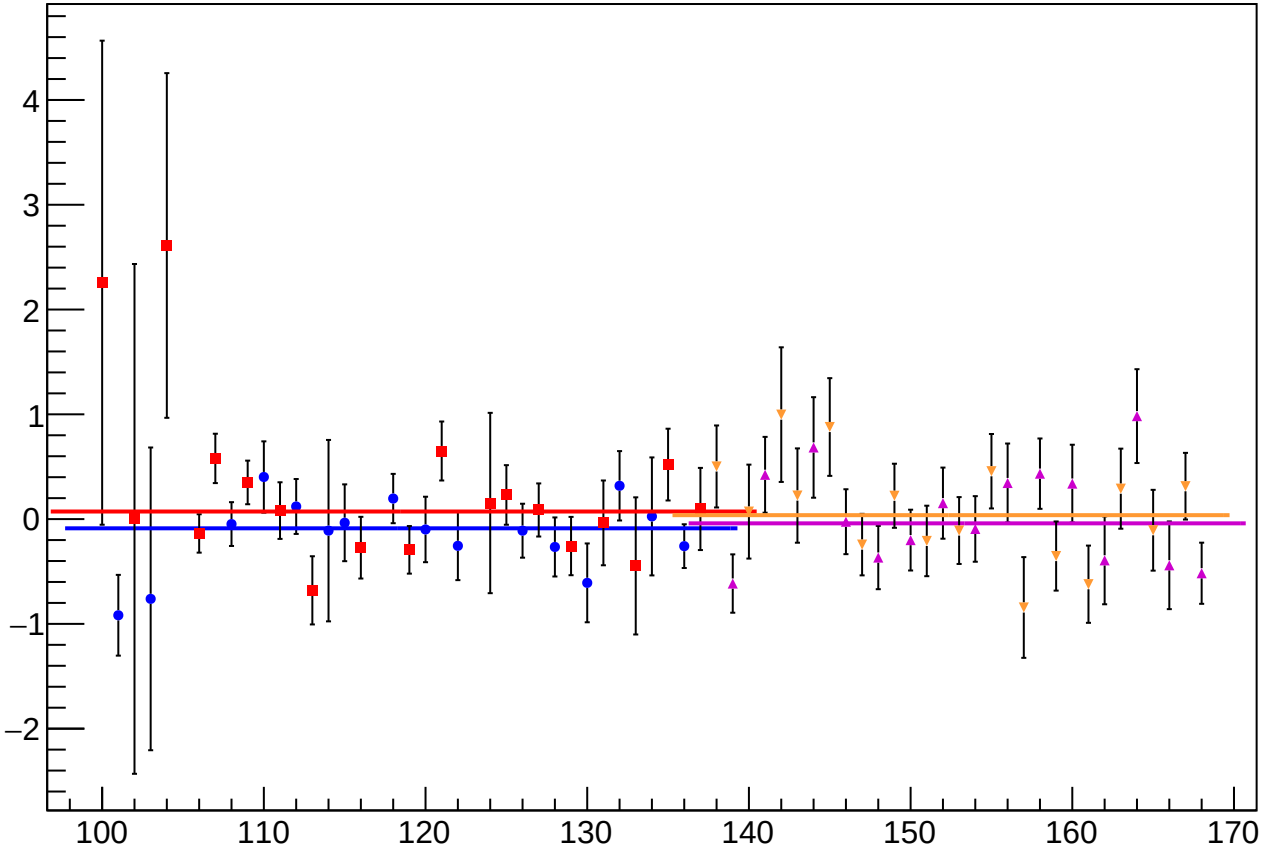
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.358+/-0.041 χ^2/NDF:3805938.4/30

Out: 221.235+/-0.039 χ^2/NDF:6829126.1/34

All: 229.484+/-0.028 χ^2/NDF: 10725644.1/65

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: 0.038+/-0.093 χ^2/NDF:19.8/15

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.041+/-0.088 χ^2/NDF:23.6/14

Left: -0.003+/-0.064 χ^2/NDF: 43.8/30

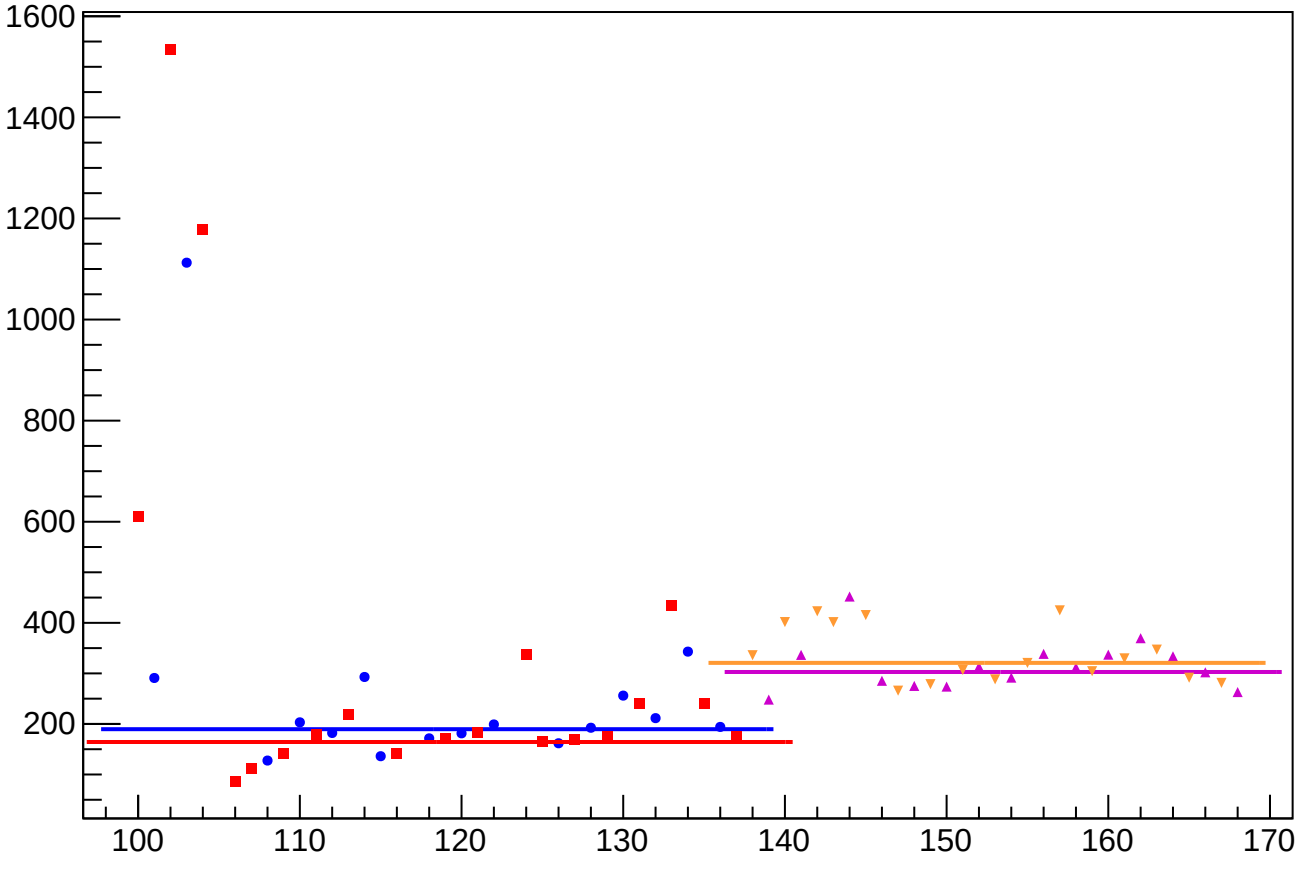
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.068+/-0.058 χ^2/NDF:37.6/30

Out: 0.060+/-0.056 χ^2/NDF:48.5/34

All: -0.002+/-0.040 χ^2/NDF: 88.7/65

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: 320.819+/-0.065 χ^2/NDF:548519.2/15

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.781+/-0.062 χ^2/NDF:469196.1/14

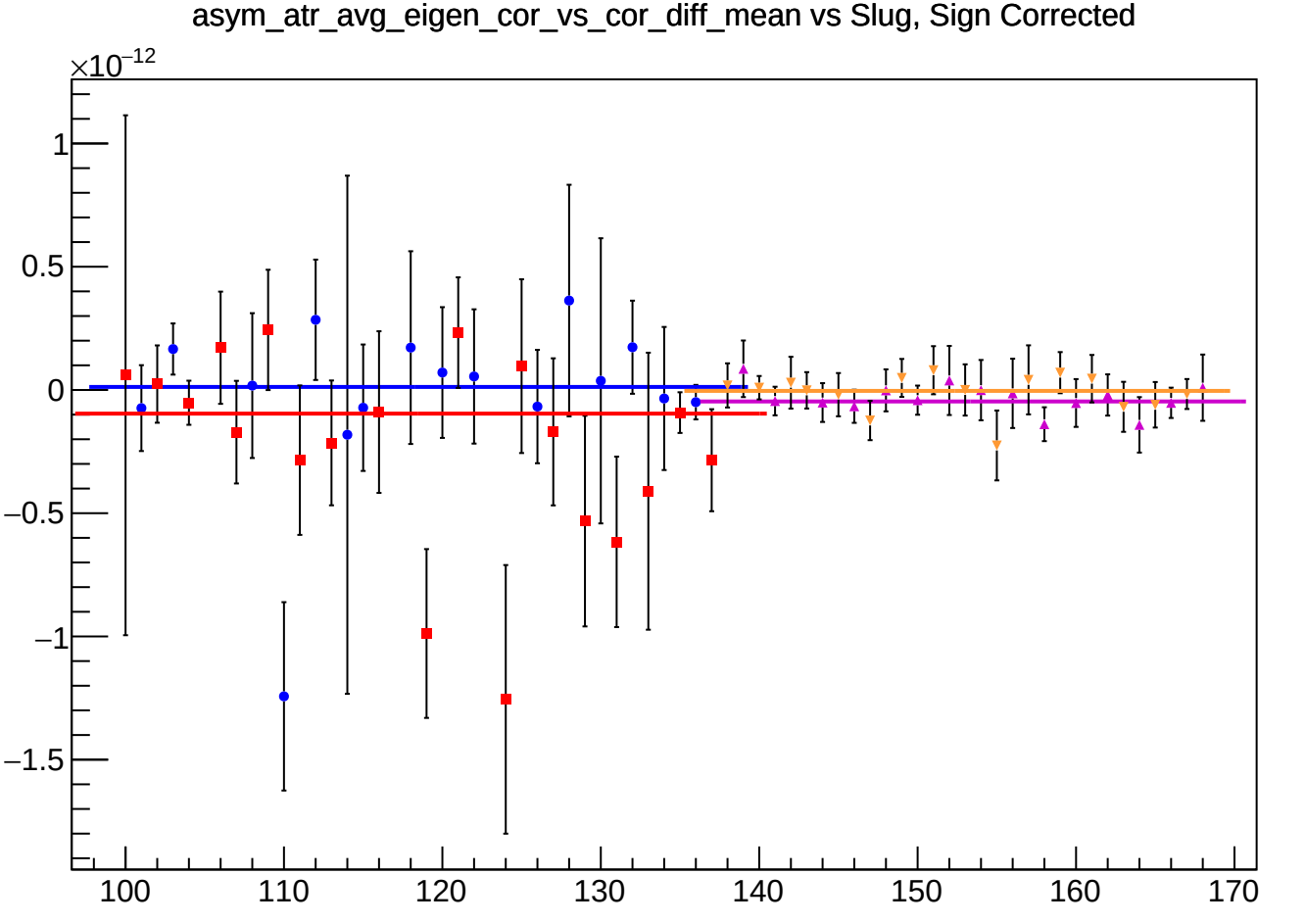
Left: 311.370+/-0.045 χ^2/NDF: 1057483.0/30

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 238.358+/-0.041 χ^2/NDF:3805938.4/30

Out: 221.235+/-0.039 χ^2/NDF:6829126.1/34

All: 229.484+/-0.028 χ^2/NDF: 10725644.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/14

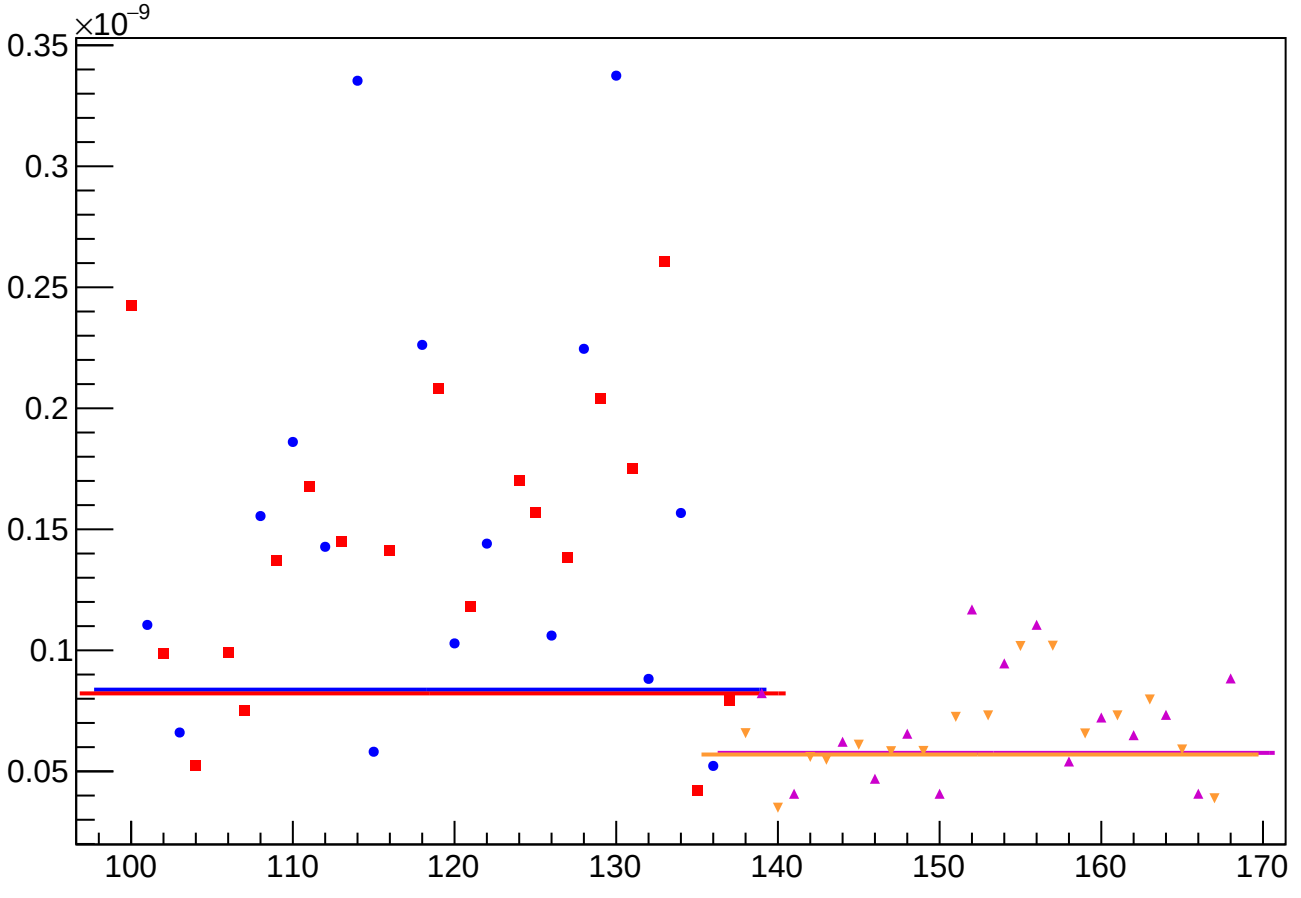
Left: -0.000+/-0.000 χ^2/NDF: 15.3/30

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:23.5/30

Out: -0.000+/-0.000 χ^2/NDF:34.8/34

All: -0.000+/-0.000 χ^2/NDF: 58.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1318585.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1683251.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3002882.4/30

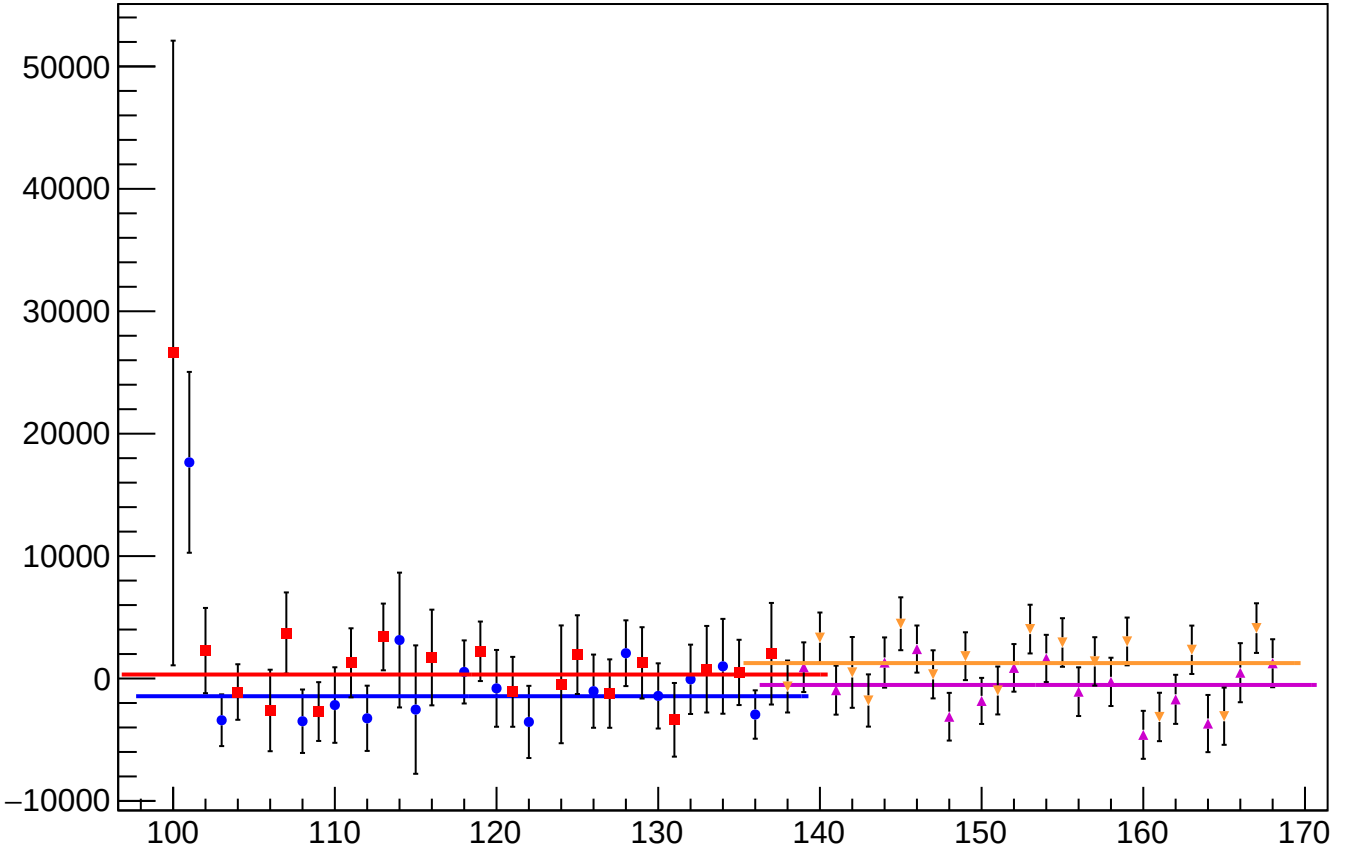
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4331613.0/30

Out: 0.000+/-0.000 χ^2/NDF:4115025.4/34

All: 0.000+/-0.000 χ^2/NDF: 8448903.5/65

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1259.978+/-515.800 χ^2/NDF:22.0/15

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -525.458+/-518.967 χ^2/NDF:15.3/14

Left: 372.726+/-365.840 χ^2/NDF: 43.2/30

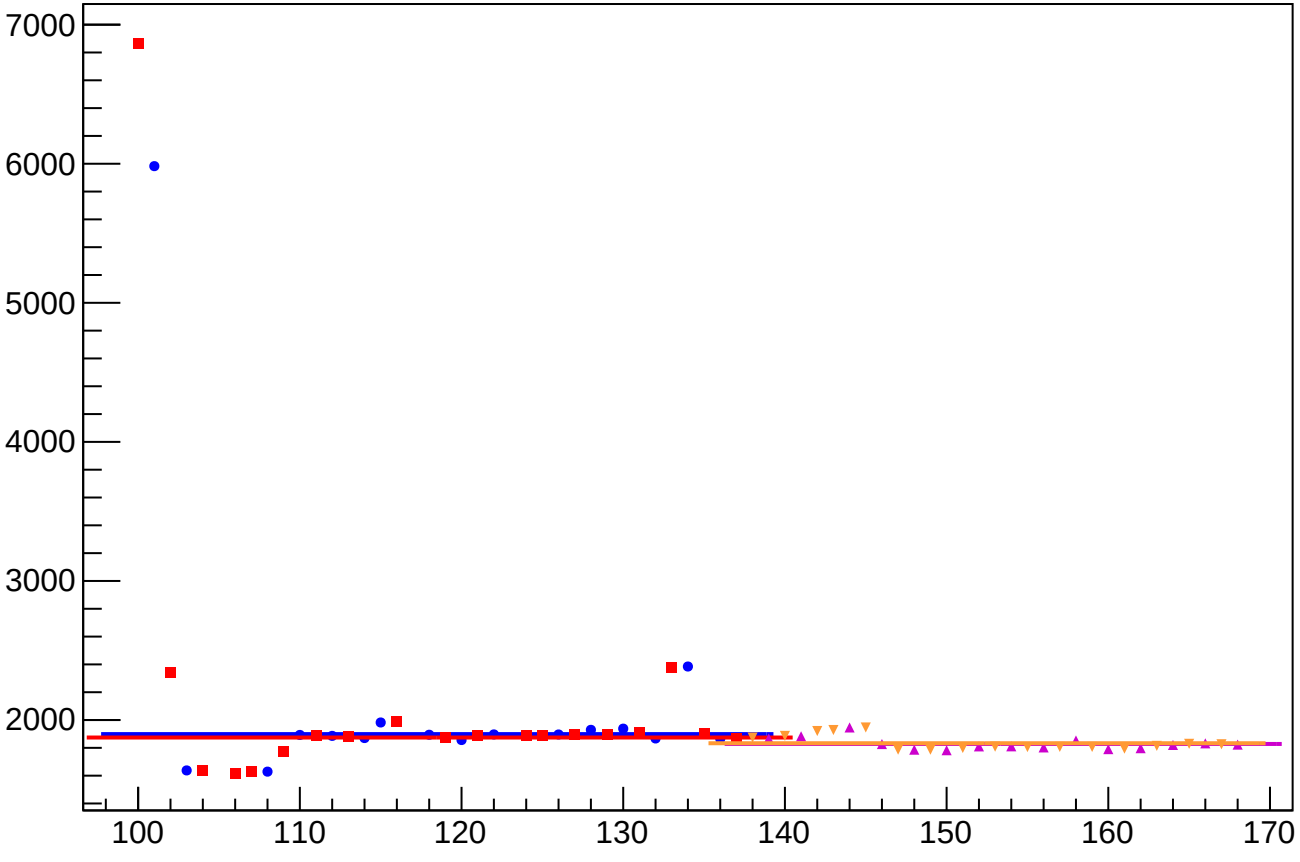
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -838.581+/-421.628 χ^2/NDF:29.9/30

Out: 932.891+/-415.795 χ^2/NDF:33.1/34

All: 59.492+/-296.052 χ^2/NDF: 71.9/65

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

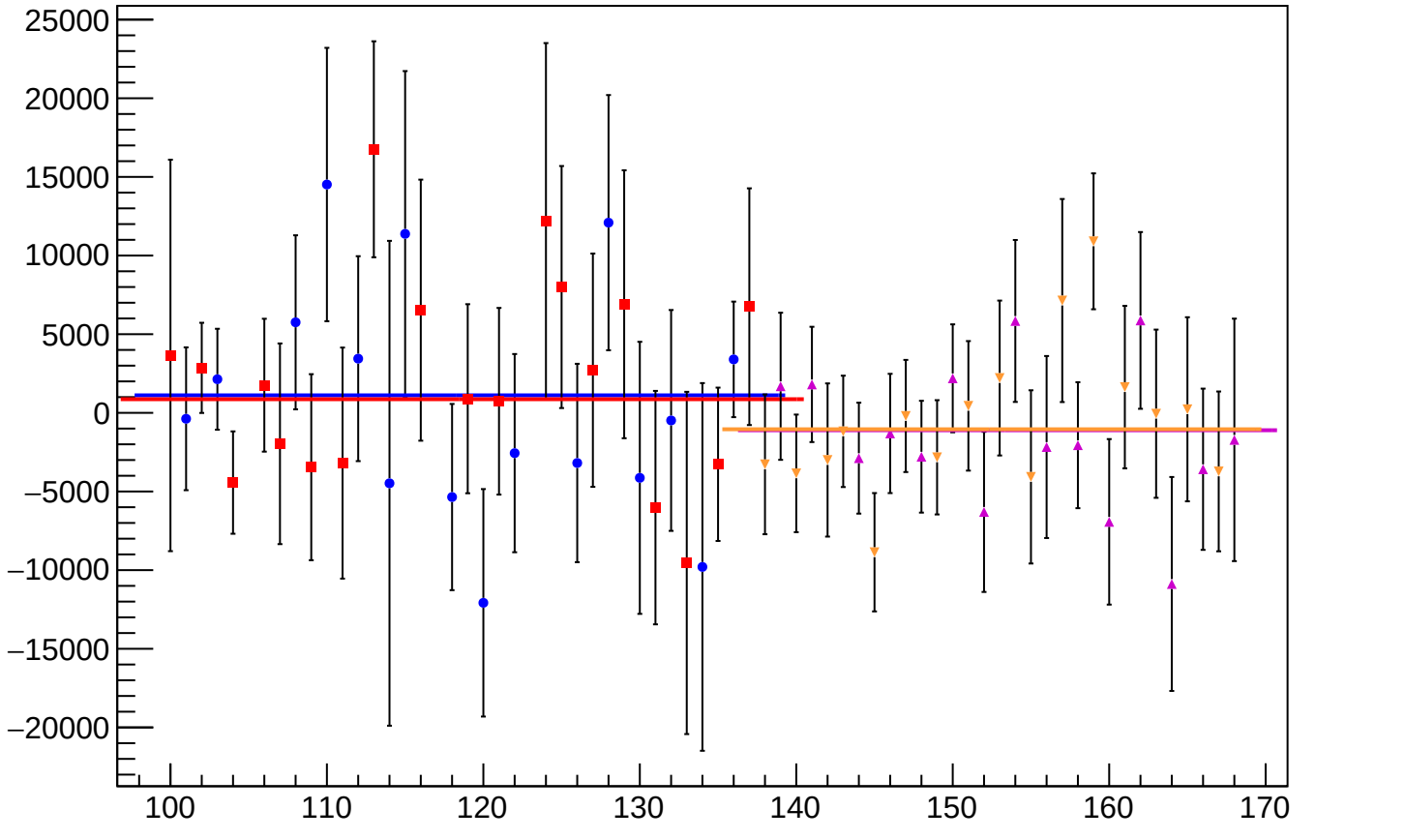
Left: 1830.541+/-0.259 χ^2/NDF: 31887.8/30

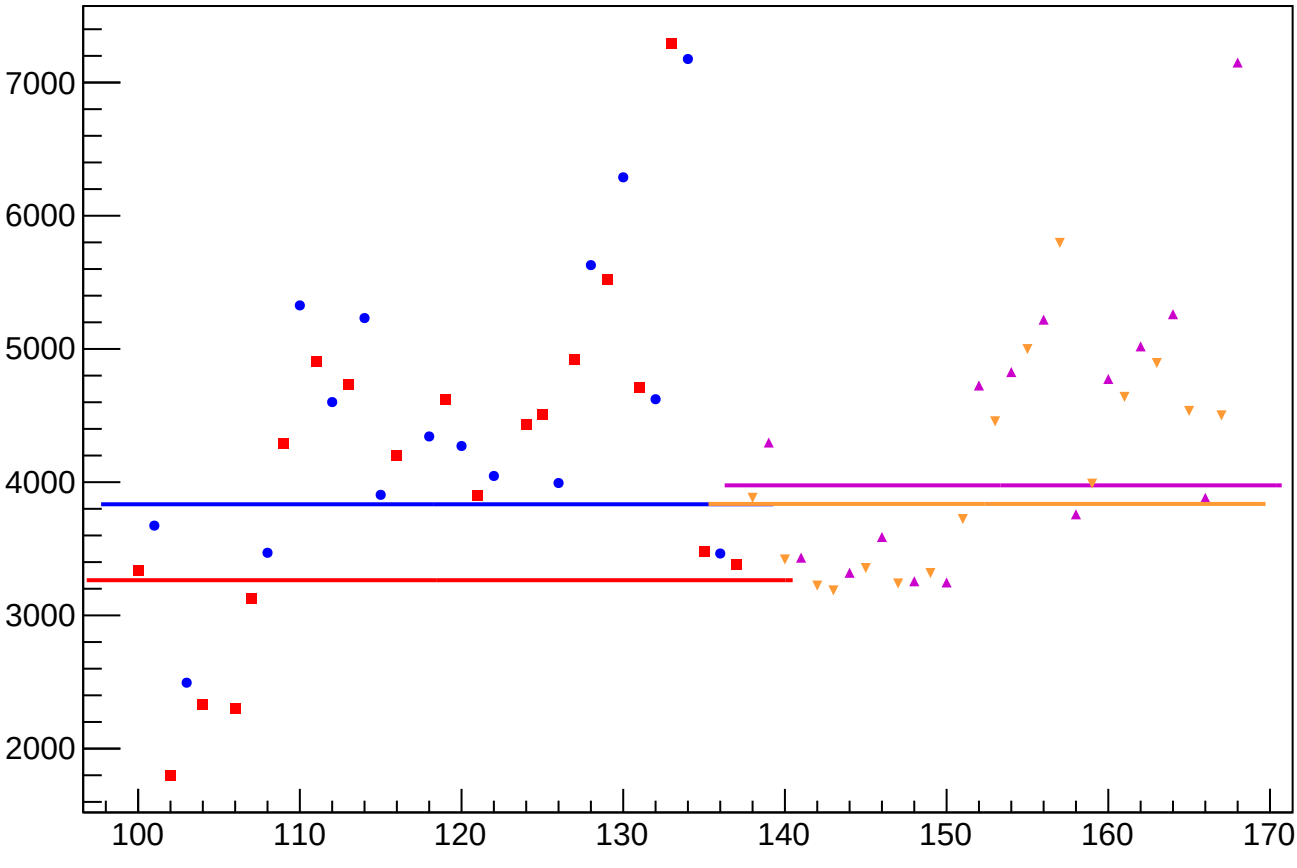
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1852.046+/-0.298 χ^2/NDF:723347.9/30

Out: 1847.571+/-0.294 χ^2/NDF:230771.3/34

All: 1849.775+/-0.209 χ^2/NDF: 954233.5/65


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1044.596+/-1103.988 χ²/NDF:16.4/15
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -1105.821+/-1156.931 χ²/NDF:10.4/14
Left: -1073.775+/-798.699 χ²/NDF: 26.8/30
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -263.827+/-911.315 χ²/NDF:25.2/30
Out: -248.795+/-843.445 χ²/NDF:33.2/34
All: -255.730+/-619.010 χ²/NDF: 58.4/65



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3836.791+/-0.781 χ^2/NDF:752147.3/15

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3976.102+/-0.818 χ^2/NDF:1038200.1/14

Left: 3903.186+/-0.565 χ^2/NDF: 1805525.7/30

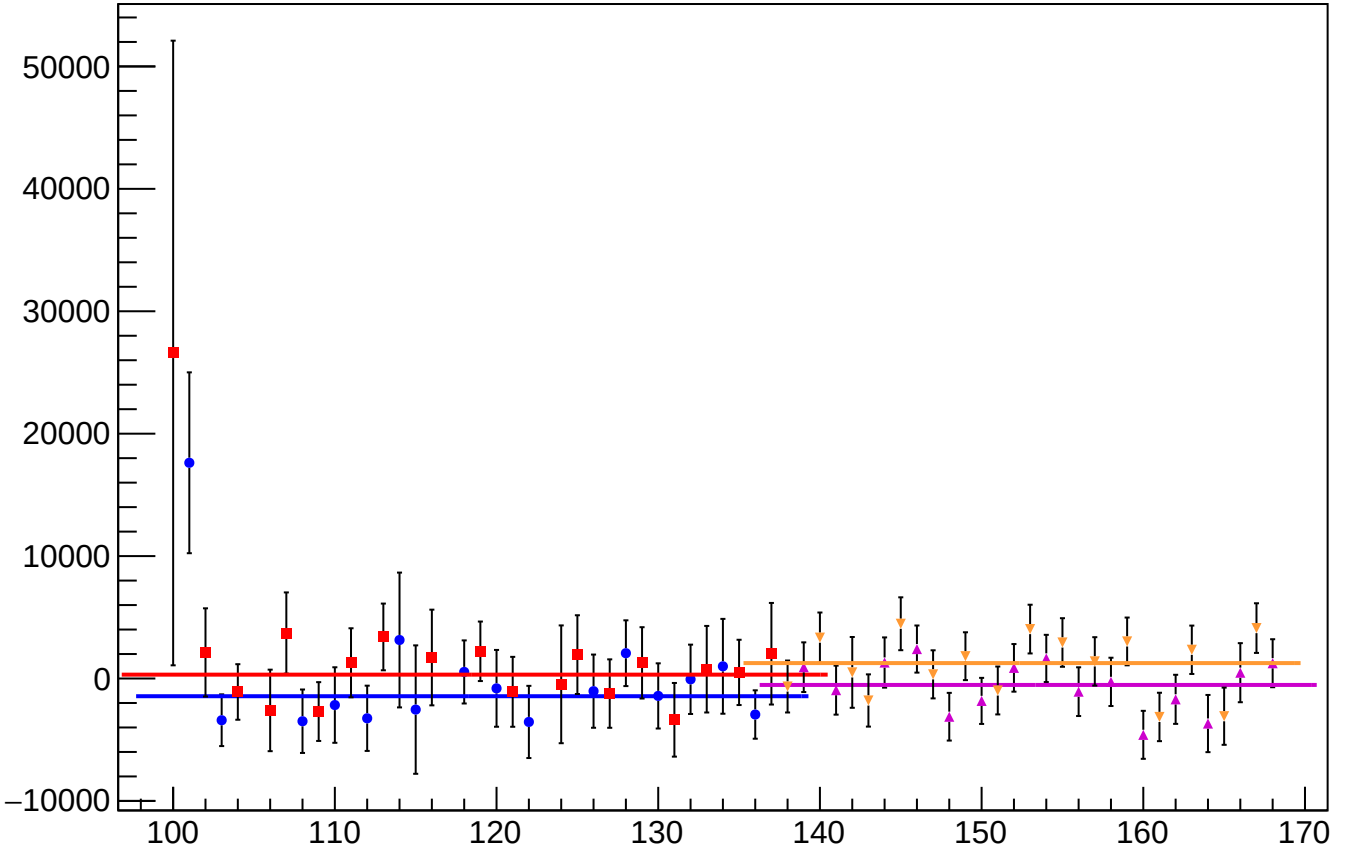
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3922.232+/-0.644 χ^2/NDF:2006400.8/30

Out: 3598.380+/-0.596 χ^2/NDF:2840436.2/34

All: 3747.799+/-0.438 χ^2/NDF: 4982878.0/65

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -525.424+/-518.967 χ^2/NDF:15.3/14

Left: 372.810+/-365.840 χ^2/NDF: 43.2/30

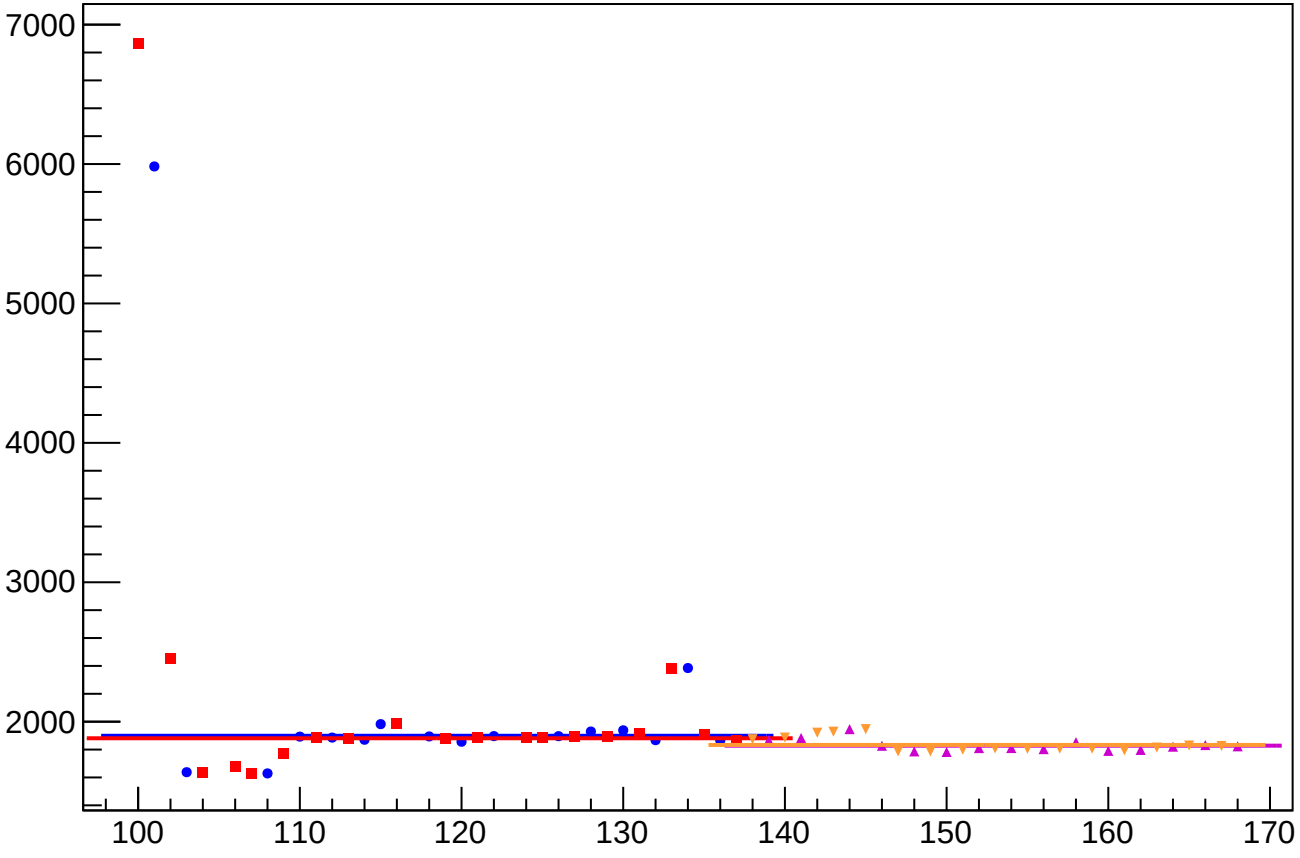
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -838.689+/-421.628 χ^2/NDF:29.8/30

Out: 929.899+/-415.991 χ^2/NDF:33.0/34

All: 57.505+/-296.123 χ^2/NDF: 71.8/65

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

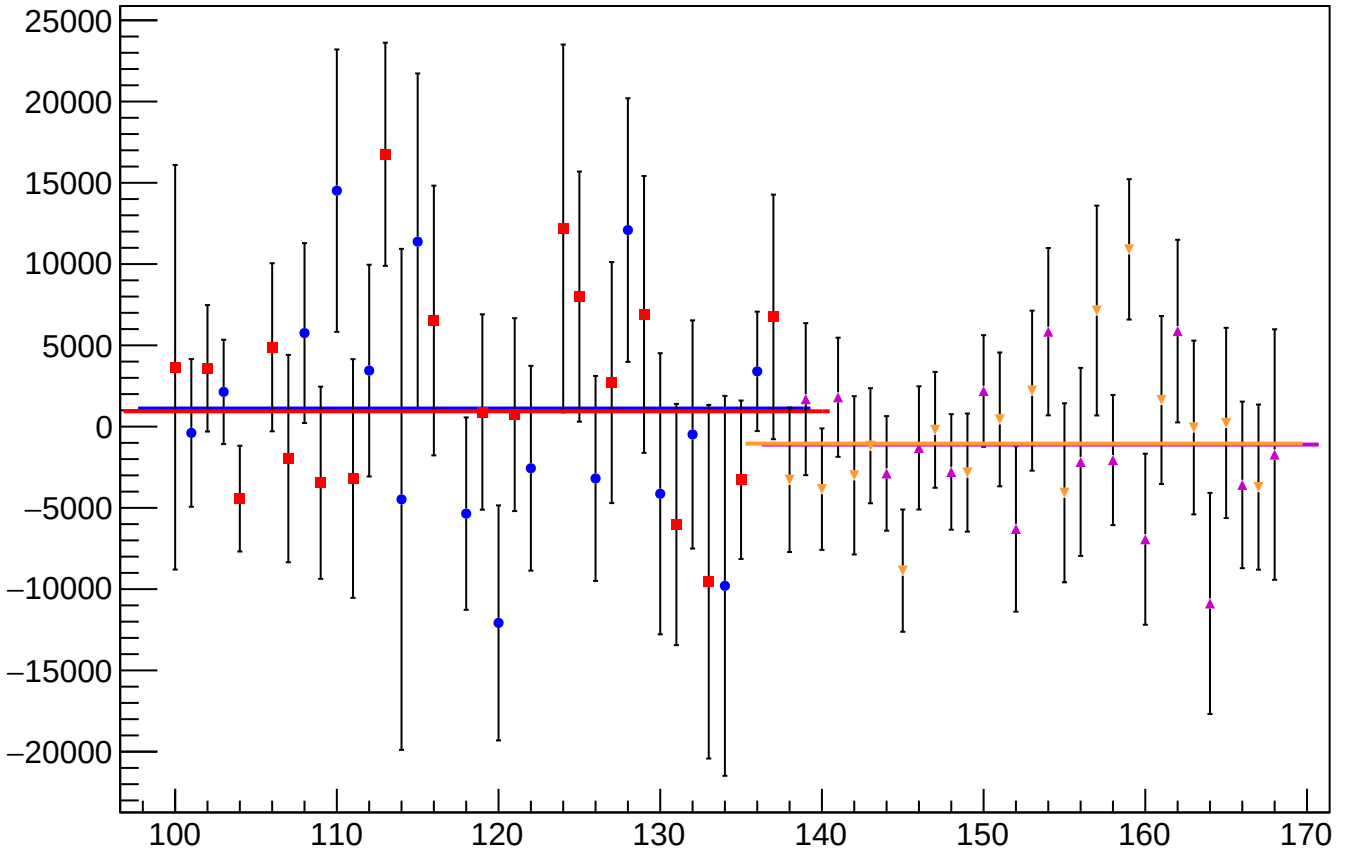
Left: 1830.541+/-0.259 χ^2/NDF: 31887.8/30

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1852.046+/-0.298 χ^2/NDF:723348.0/30

Out: 1849.878+/-0.294 χ^2/NDF:241243.8/34

All: 1850.947+/-0.209 χ^2/NDF: 964618.5/65



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1044.545+/-1103.988 χ^2/NDF:16.4/15

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -1105.900+/-1156.930 χ^2/NDF:10.4/14

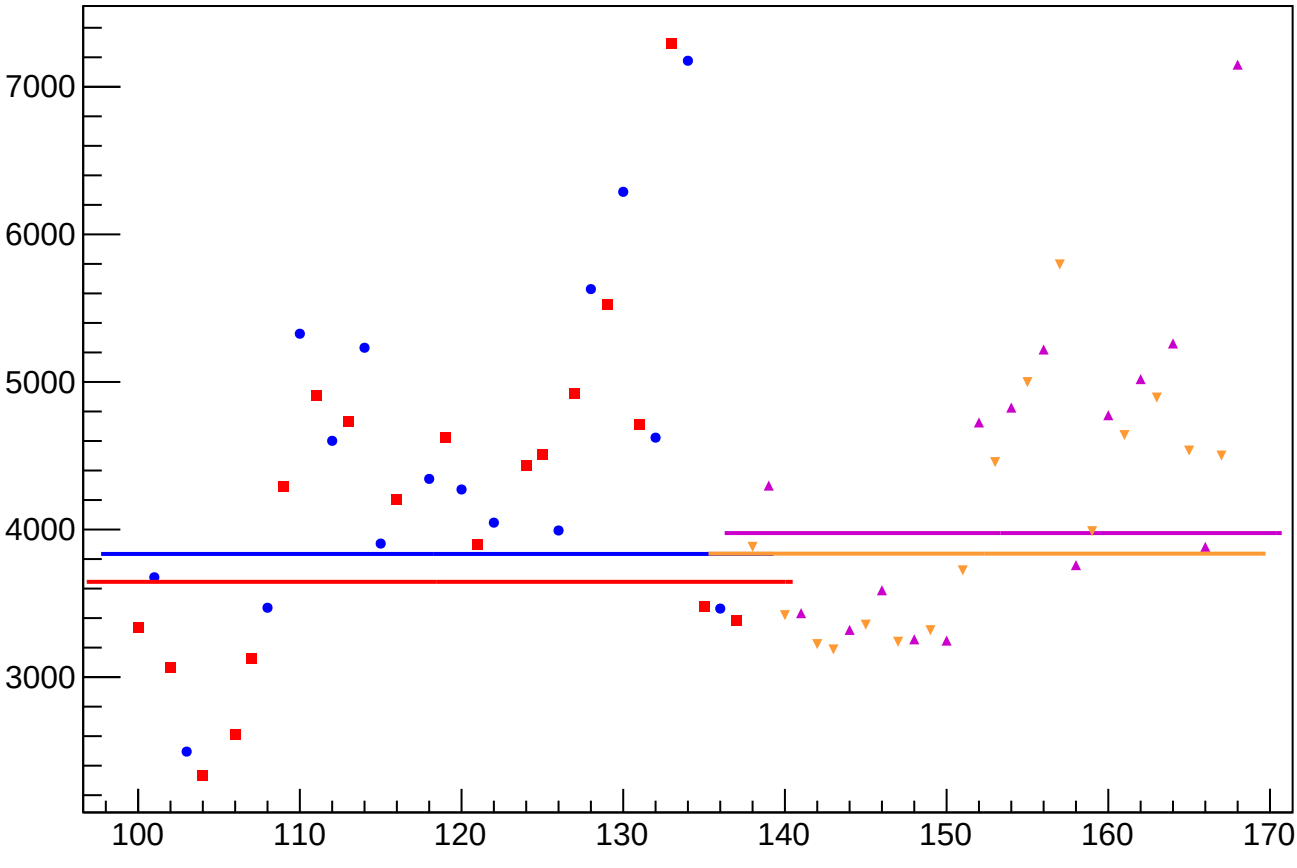
Left: -1073.787+/-798.698 χ^2/NDF: 26.8/30

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -264.444+/-911.354 χ^2/NDF:25.2/30

Out: -282.696+/-866.645 χ^2/NDF:33.8/34

All: -274.029+/-628.022 χ^2/NDF: 59.0/65



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3976.096+/-0.818 χ^2/NDF:1038214.1/14

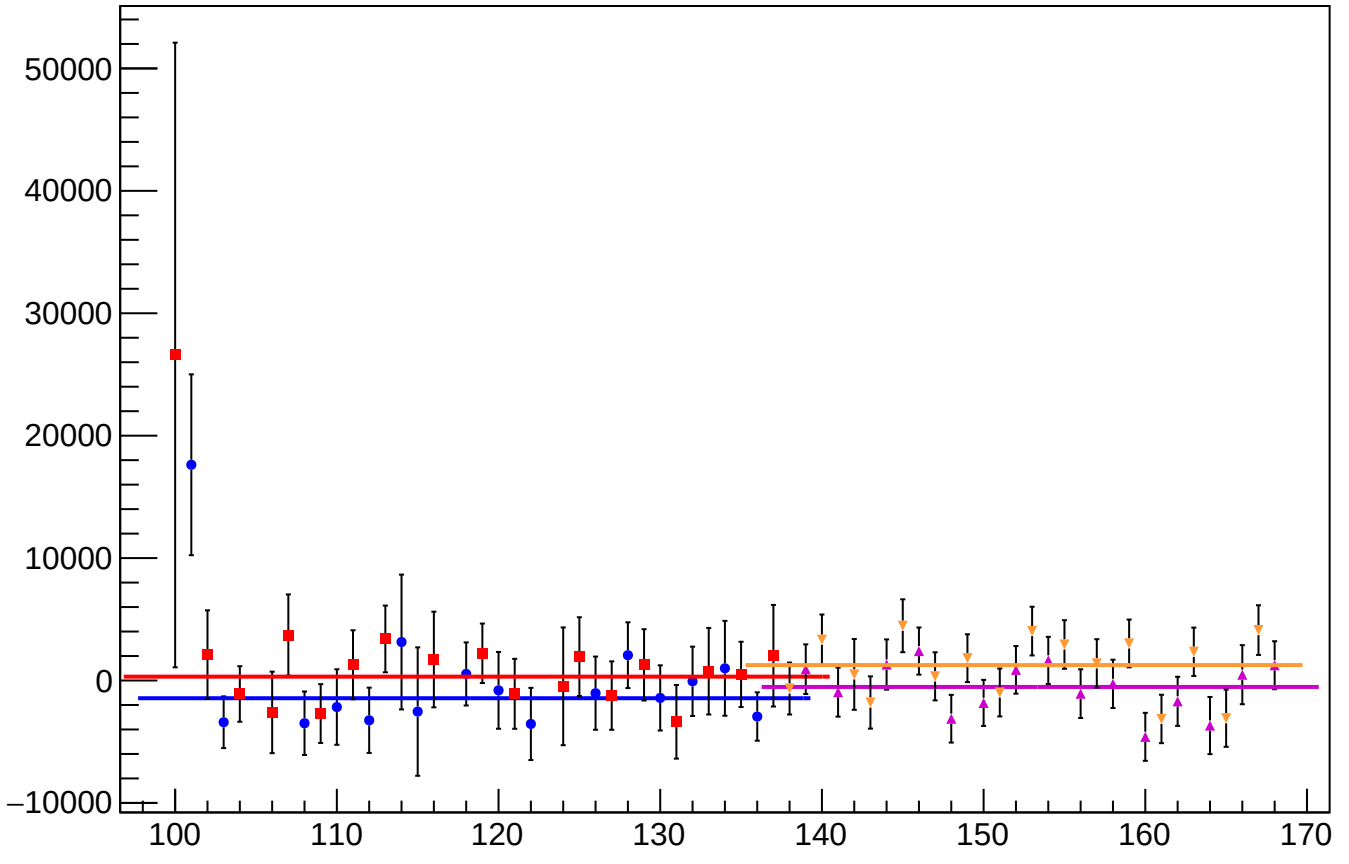
Left: 3903.182+/-0.565 χ^2/NDF: 1805535.8/30

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3922.436+/-0.644 χ^2/NDF:2005864.3/30

Out: 3763.453+/-0.613 χ^2/NDF:1900122.4/34

All: 3838.950+/-0.444 χ^2/NDF: 3937947.9/65



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1260.111+/-515.800 χ^2/NDF:22.0/15

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -525.424+/-518.967 χ^2/NDF:15.3/14

Left: 372.810+/-365.840 χ^2/NDF: 43.2/30

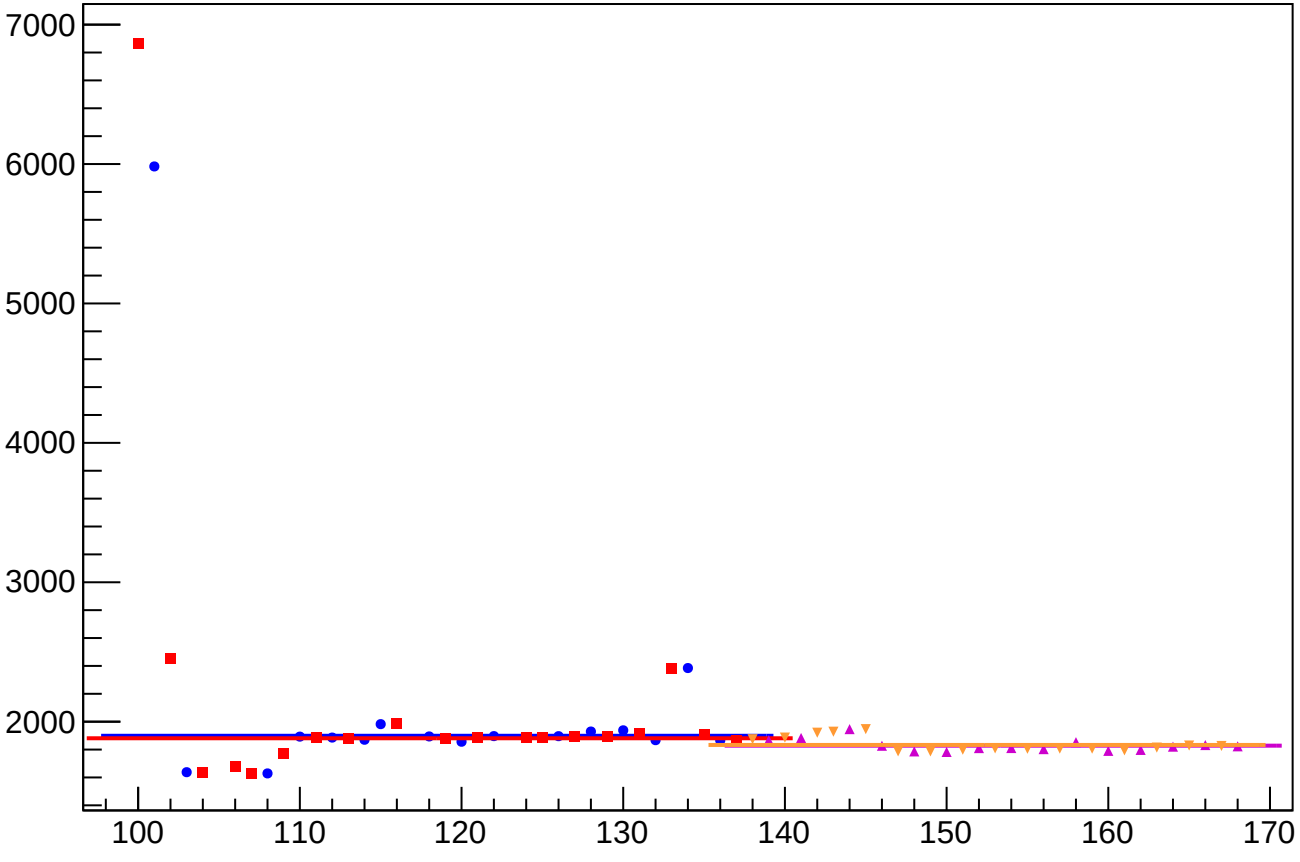
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -838.689+/-421.628 χ^2/NDF:29.8/30

Out: 929.899+/-415.991 χ^2/NDF:33.0/34

All: 57.505+/-296.123 χ^2/NDF: 71.8/65

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.097+/-0.365 χ^2/NDF:18635.5/15

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.953+/-0.367 χ^2/NDF:13153.4/14

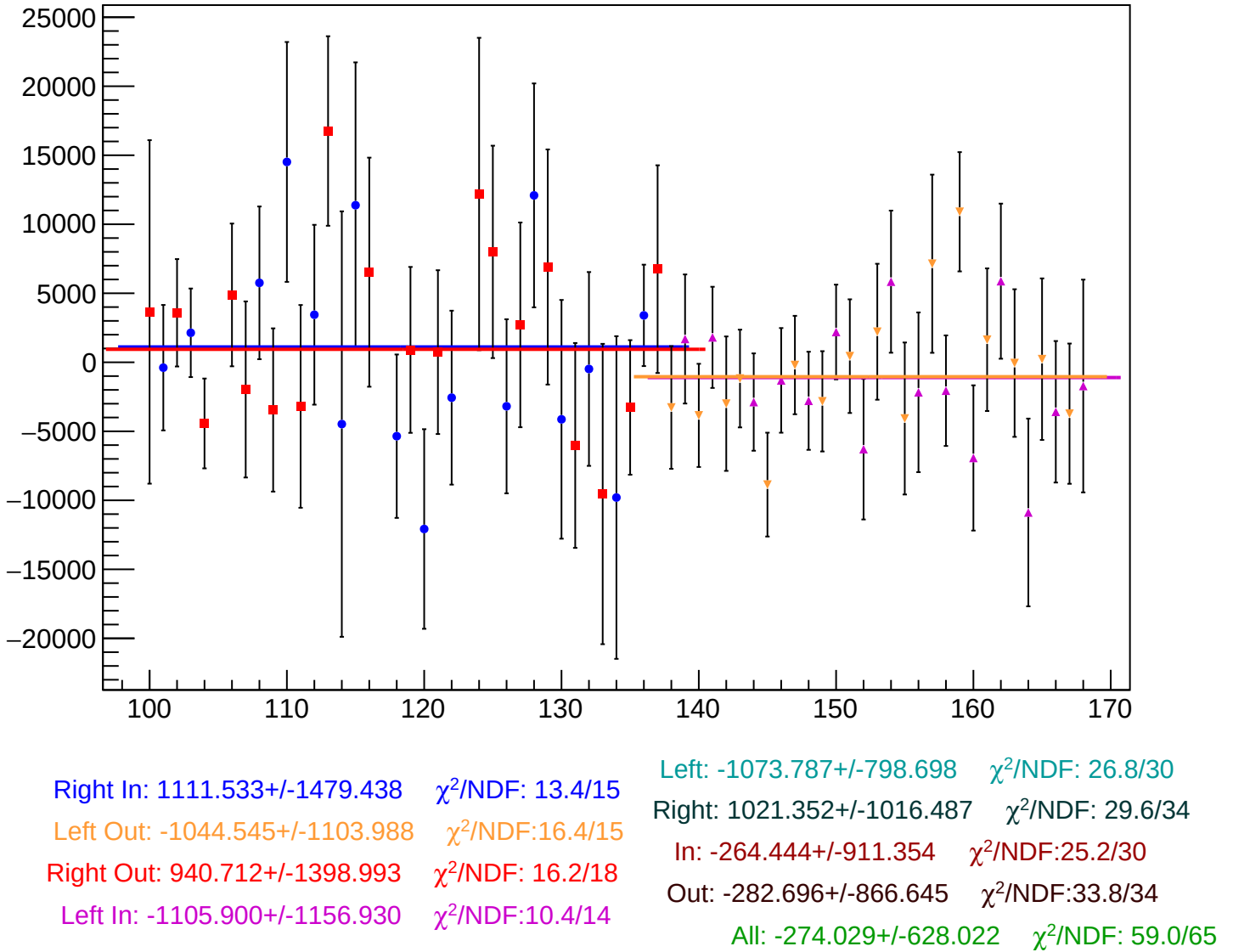
Left: 1830.541+/-0.259 χ^2/NDF: 31887.8/30

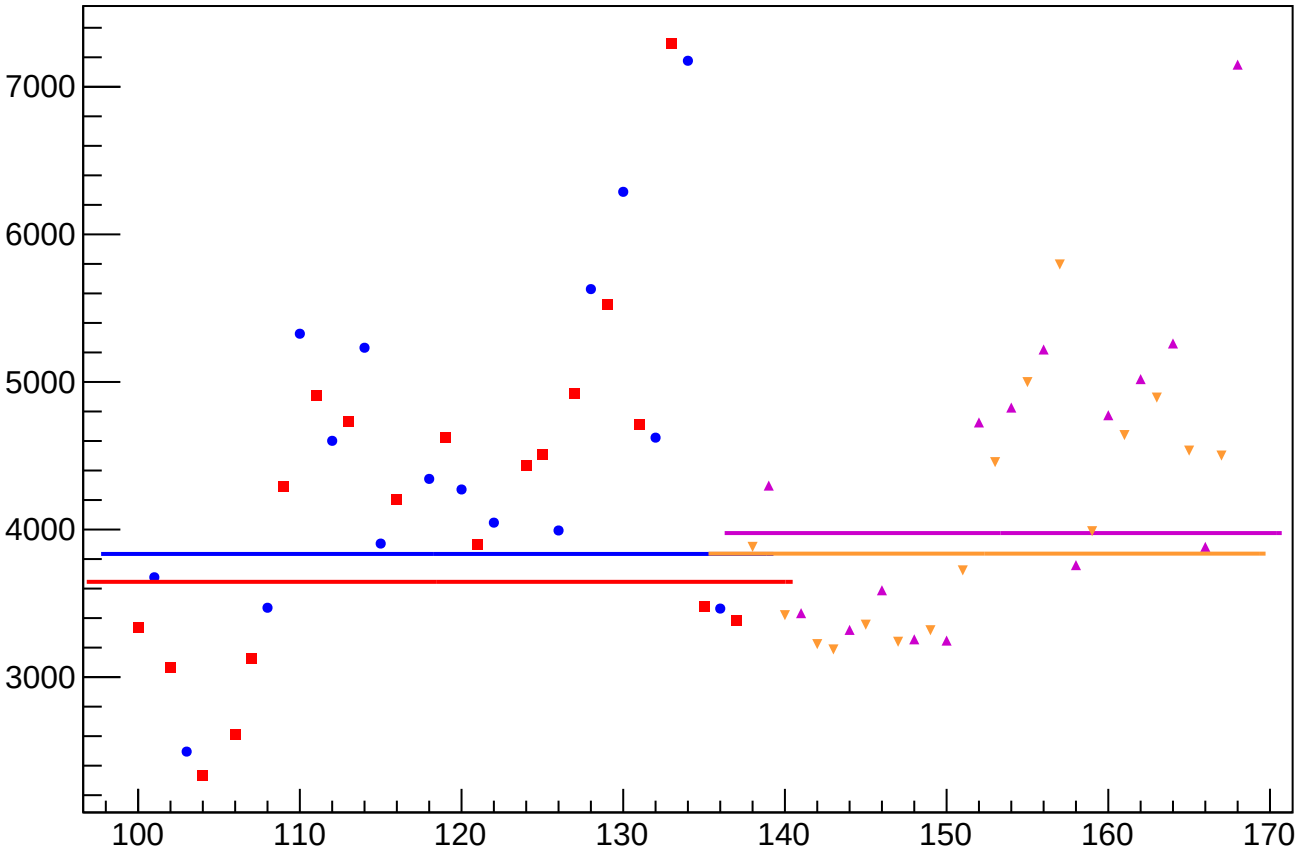
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1852.046+/-0.298 χ^2/NDF:723348.0/30

Out: 1849.878+/-0.294 χ^2/NDF:241243.8/34

All: 1850.947+/-0.209 χ^2/NDF: 964618.5/65


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1044.545+/-1103.988 χ²/NDF:16.4/15
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -1105.900+/-1156.930 χ²/NDF:10.4/14
Left: -1073.787+/-798.698 χ²/NDF: 26.8/30
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -264.444+/-911.354 χ²/NDF:25.2/30
Out: -282.696+/-866.645 χ²/NDF:33.8/34
All: -274.029+/-628.022 χ²/NDF: 59.0/65



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3836.788+/-0.781 χ^2/NDF:752144.1/15

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3976.096+/-0.818 χ^2/NDF:1038214.1/14

Left: 3903.182+/-0.565 χ^2/NDF: 1805535.8/30

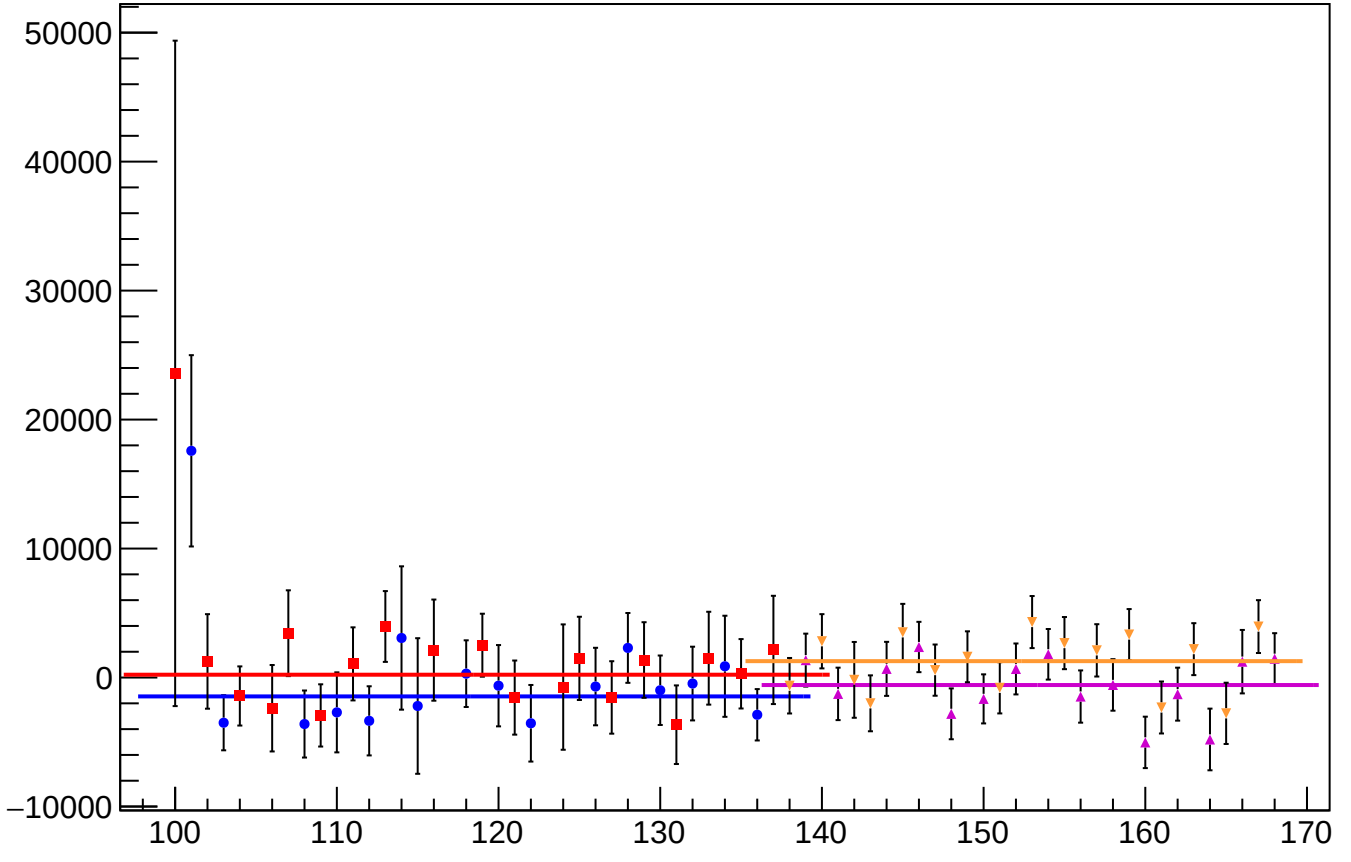
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3922.436+/-0.644 χ^2/NDF:2005864.3/30

Out: 3763.453+/-0.613 χ^2/NDF:1900122.4/34

All: 3838.950+/-0.444 χ^2/NDF: 3937947.9/65

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.062+/-524.268 χ^2/NDF:18.1/15

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -580.695+/-527.191 χ^2/NDF:17.1/14

Left: 350.331+/-371.742 χ^2/NDF: 41.4/30

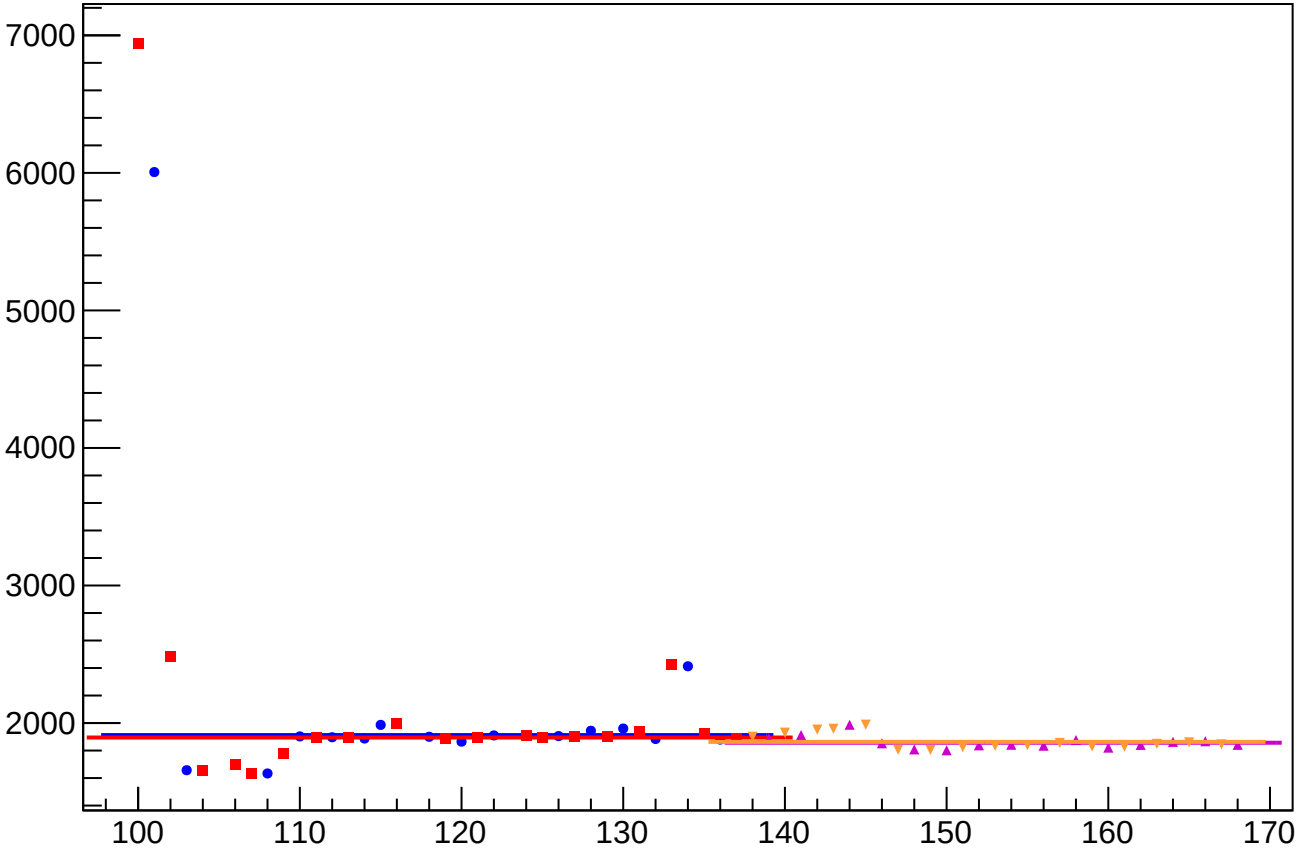
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -883.942+/-427.044 χ^2/NDF:31.7/30

Out: 899.318+/-421.509 χ^2/NDF:30.3/34

All: 19.320+/-299.990 χ^2/NDF: 70.8/65

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1863.058+/-0.371 χ^2/NDF:21084.5/15

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.832+/-0.373 χ^2/NDF:14320.7/14

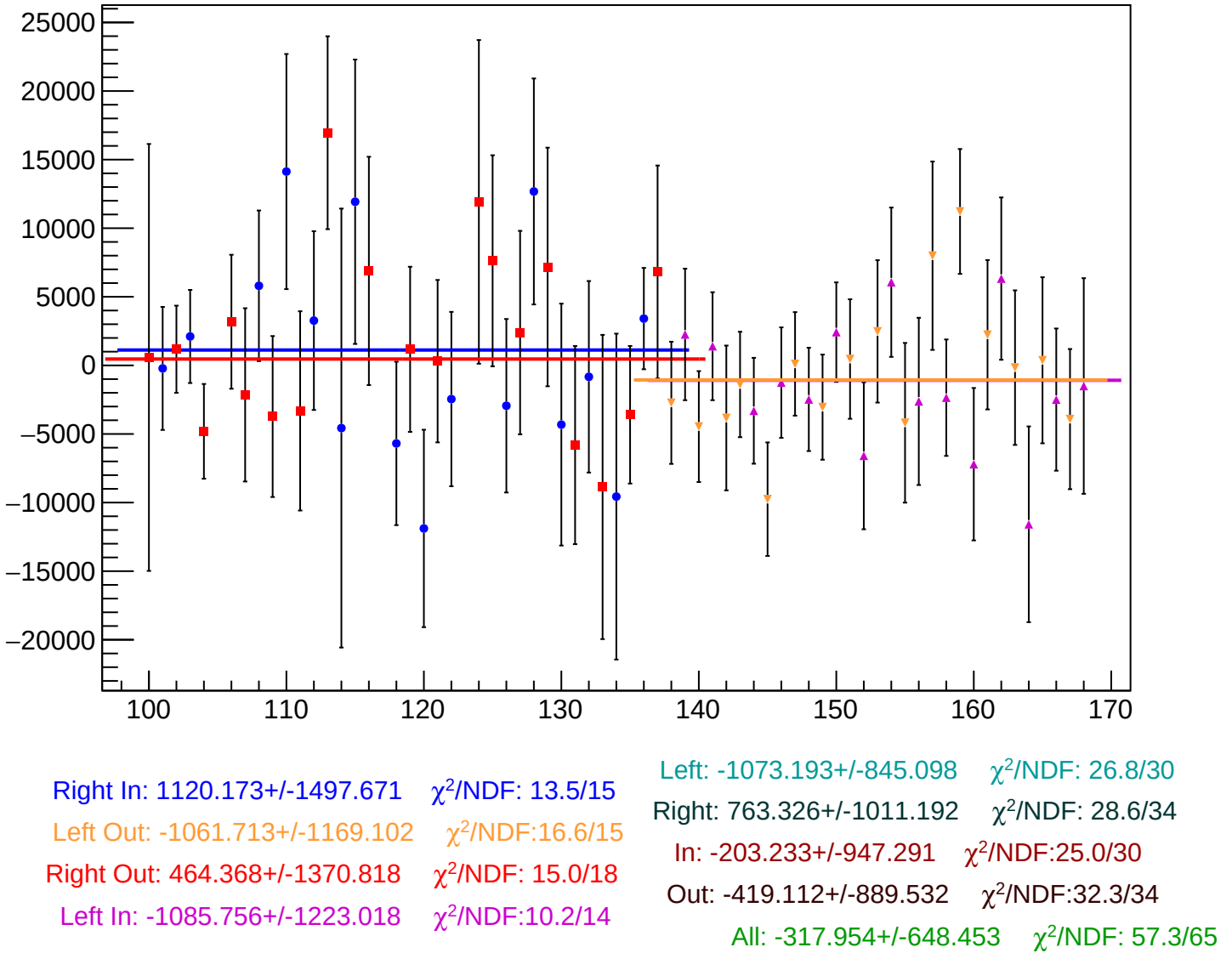
Left: 1859.962+/-0.263 χ^2/NDF: 35545.5/30

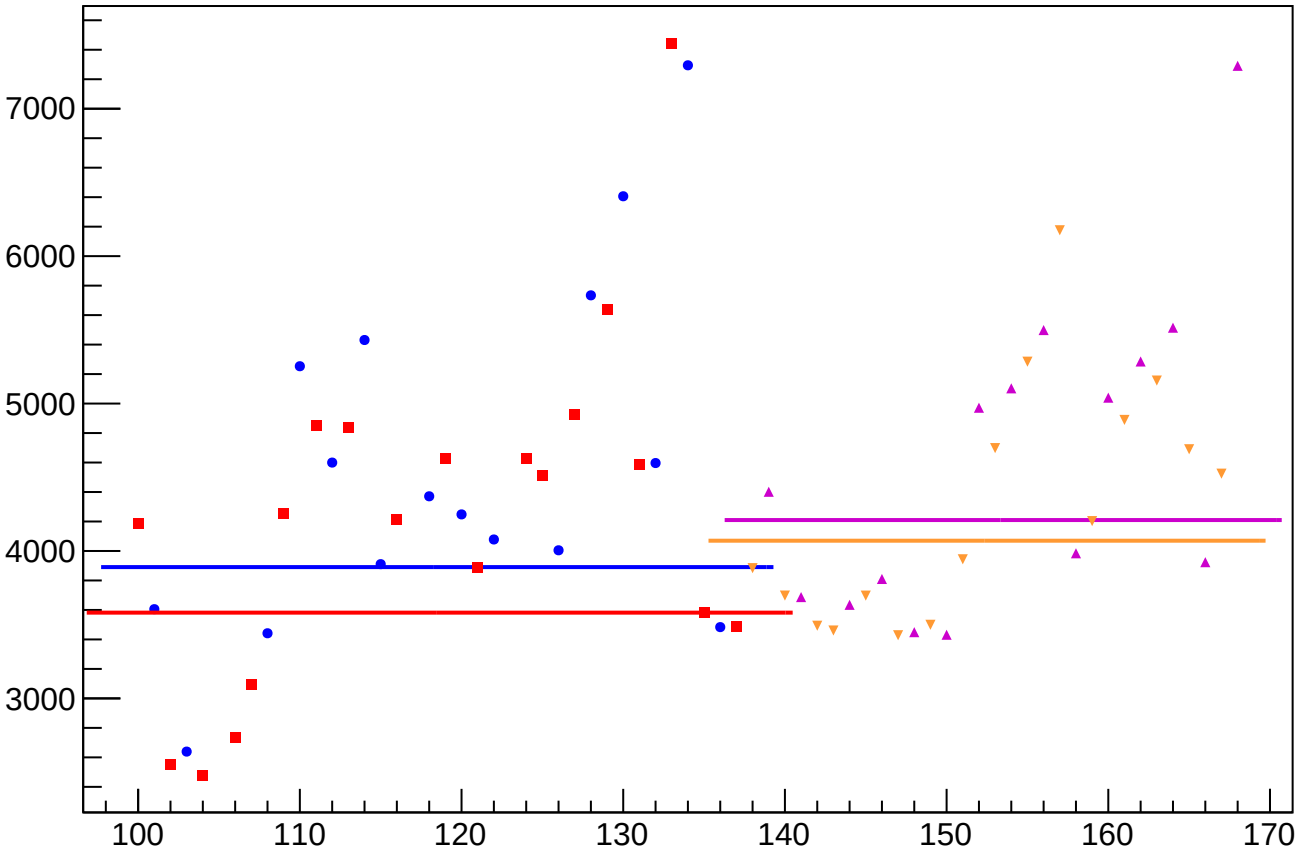
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1875.931+/-0.302 χ^2/NDF:718175.2/30

Out: 1874.285+/-0.298 χ^2/NDF:243456.2/34

All: 1875.097+/-0.212 χ^2/NDF: 961646.4/65


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -1061.713+/-1169.102 χ²/NDF:16.6/15
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -1085.756+/-1223.018 χ²/NDF:10.2/14
Left: -1073.193+/-845.098 χ²/NDF: 26.8/30
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: -203.233+/-947.291 χ²/NDF:25.0/30
Out: -419.112+/-889.532 χ²/NDF:32.3/34
All: -317.954+/-648.453 χ²/NDF: 57.3/65



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4069.766+/-0.827 χ^2/NDF:677150.2/15

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4209.820+/-0.865 χ^2/NDF:956736.0/14

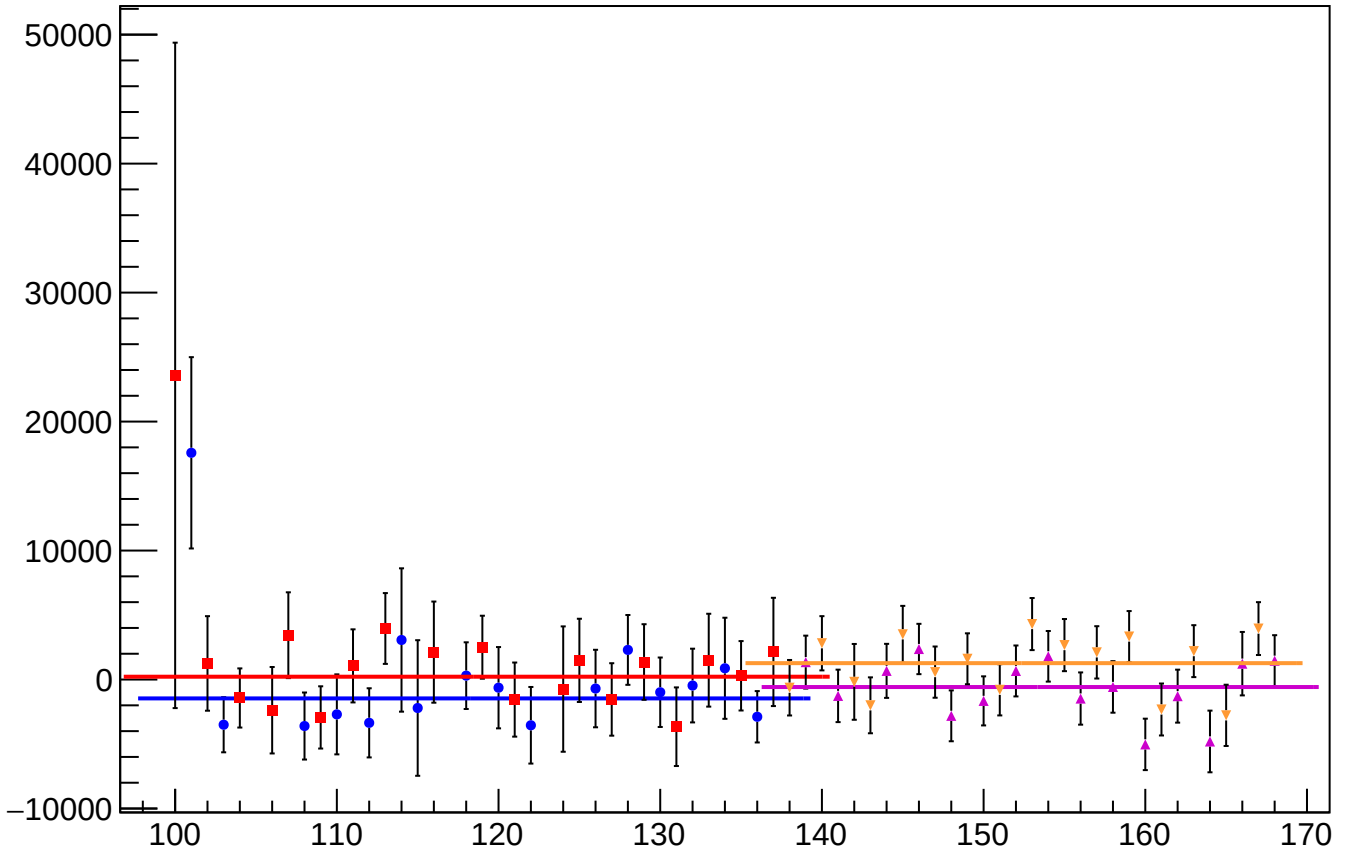
Left: 4136.638+/-0.598 χ^2/NDF: 1647590.9/30

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4082.153+/-0.670 χ^2/NDF:1889627.8/30

Out: 3864.285+/-0.629 χ^2/NDF:2045730.3/34

All: 3966.375+/-0.459 χ^2/NDF: 3991577.2/65



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1271.071+/-524.268 χ^2/NDF:18.1/15

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -580.697+/-527.191 χ^2/NDF:17.1/14

Left: 350.335+/-371.743 χ^2/NDF: 41.4/30

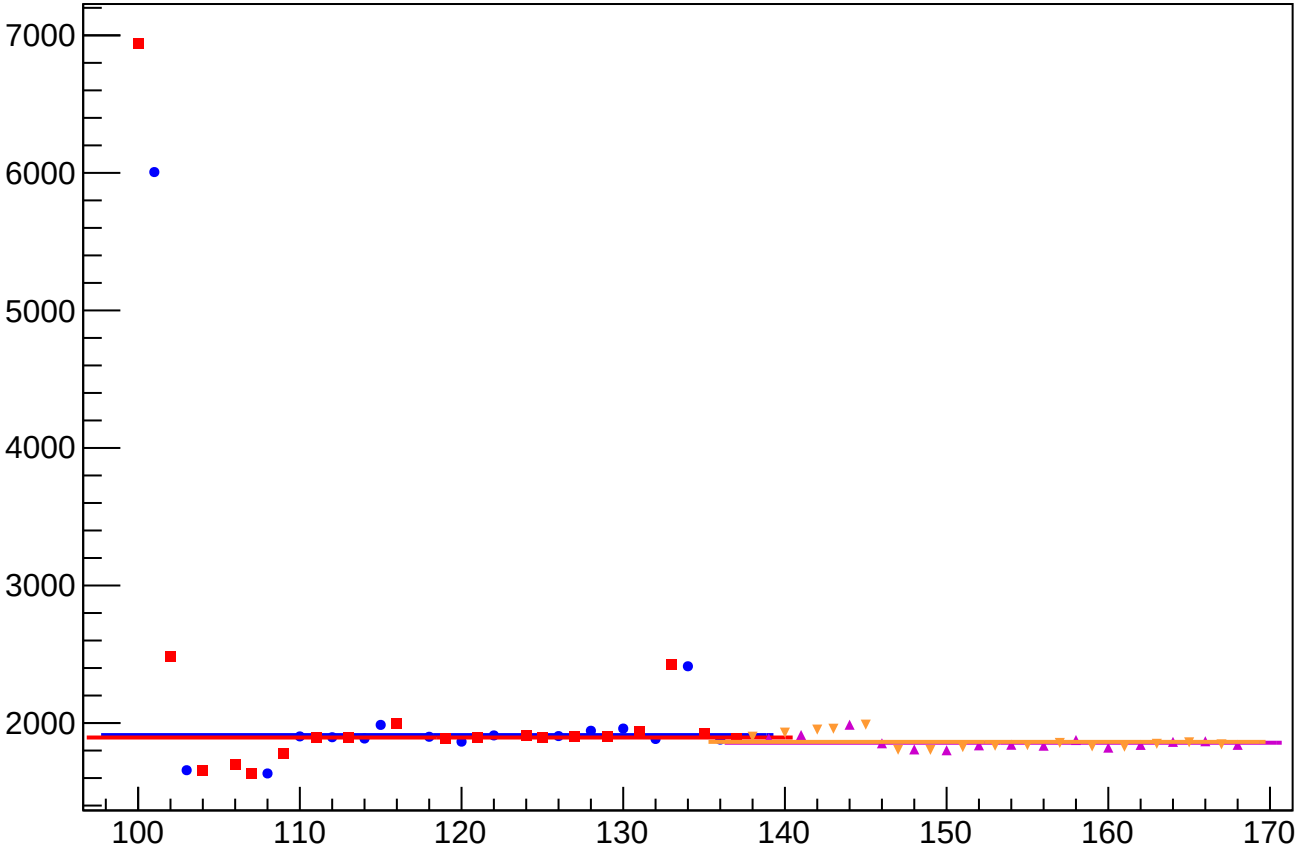
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -883.946+/-427.044 χ^2/NDF:31.7/30

Out: 899.322+/-421.509 χ^2/NDF:30.3/34

All: 19.320+/-299.990 χ^2/NDF: 70.8/65

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1863.059+/-0.371 χ^2/NDF:21084.5/15

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.833+/-0.373 χ^2/NDF:14320.6/14

Left: 1859.963+/-0.263 χ^2/NDF: 35545.4/30

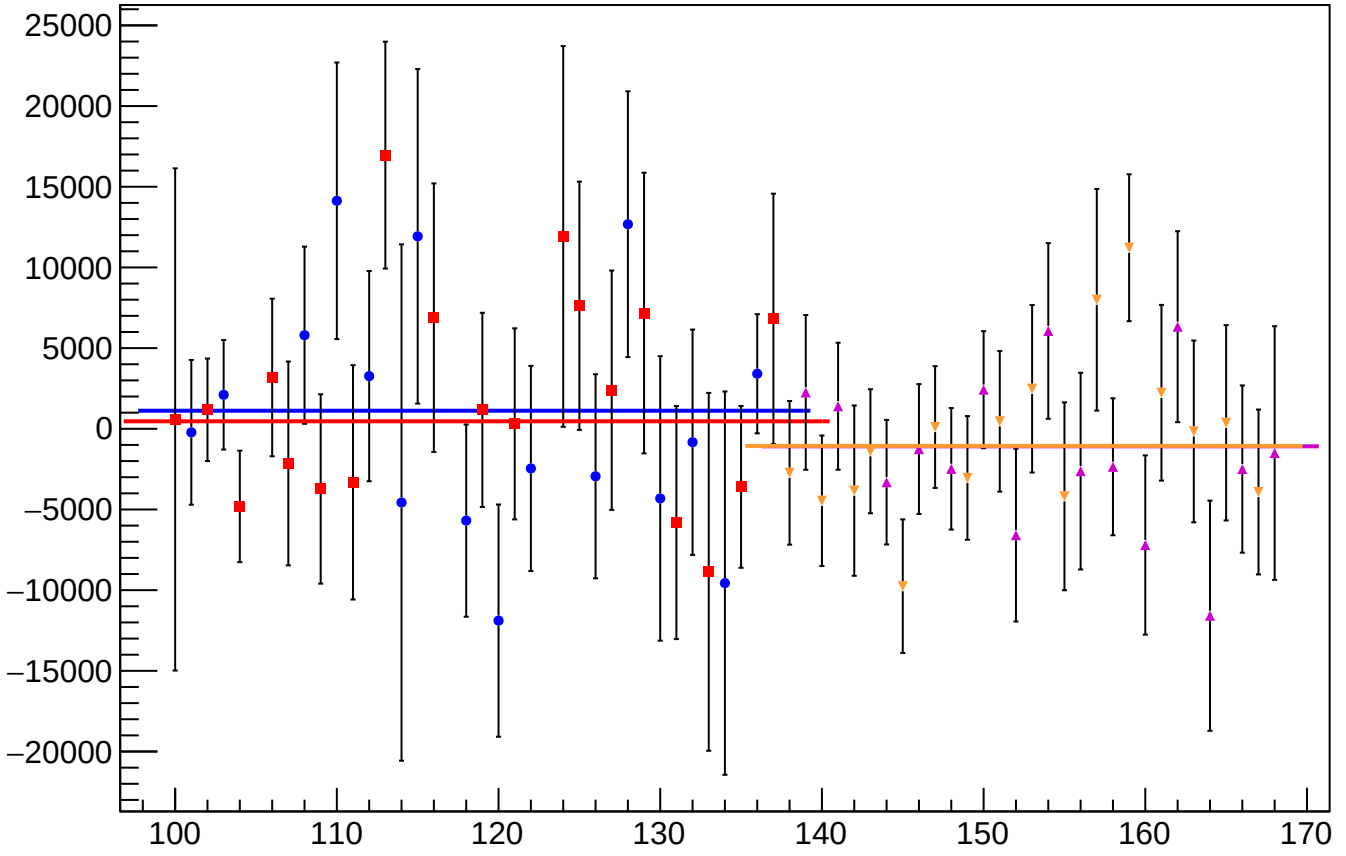
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1875.931+/-0.302 χ^2/NDF:718174.7/30

Out: 1874.285+/-0.298 χ^2/NDF:243456.0/34

All: 1875.097+/-0.212 χ^2/NDF: 961645.7/65

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1061.710+/-1169.104 χ^2/NDF:16.6/15

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -1085.755+/-1223.020 χ^2/NDF:10.2/14

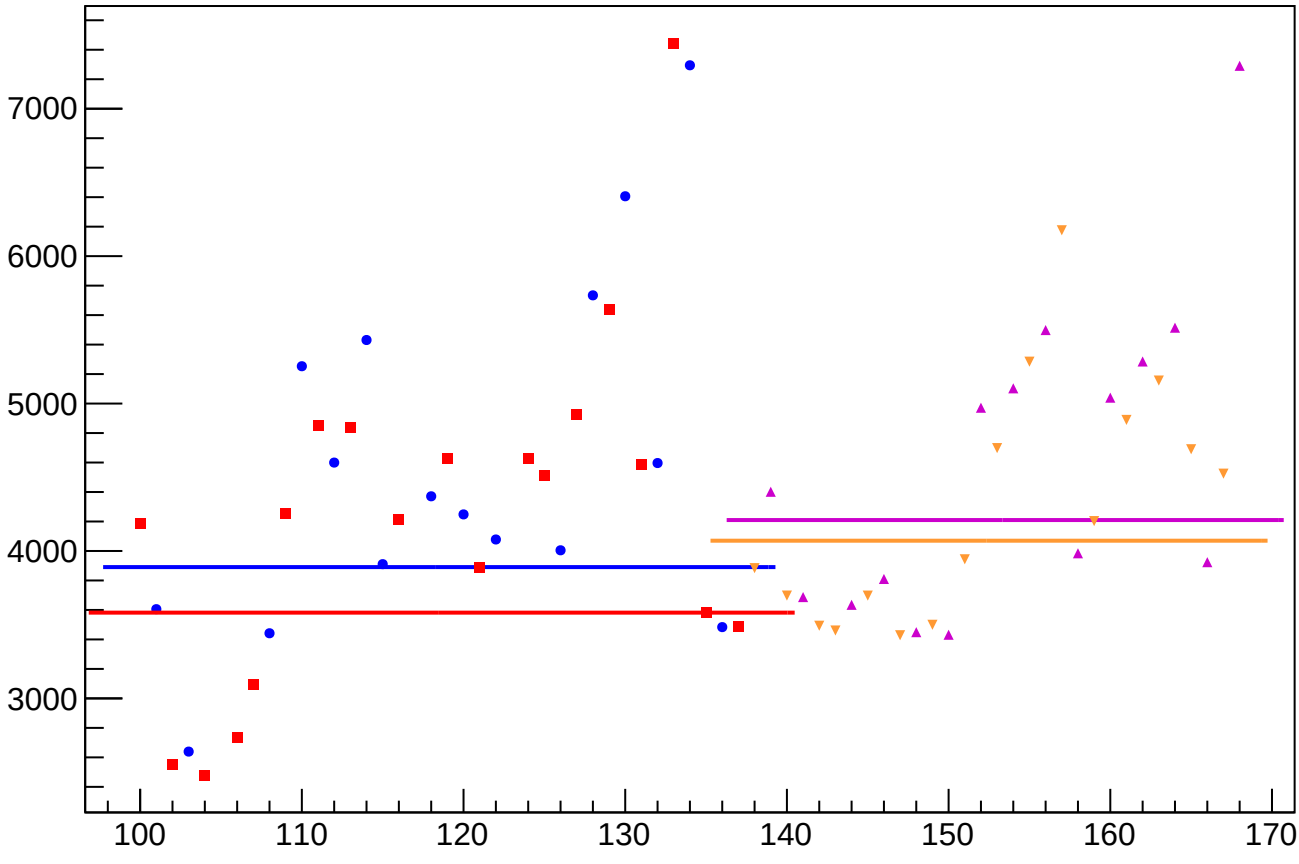
Left: -1073.191+/-845.099 χ^2/NDF: 26.8/30

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

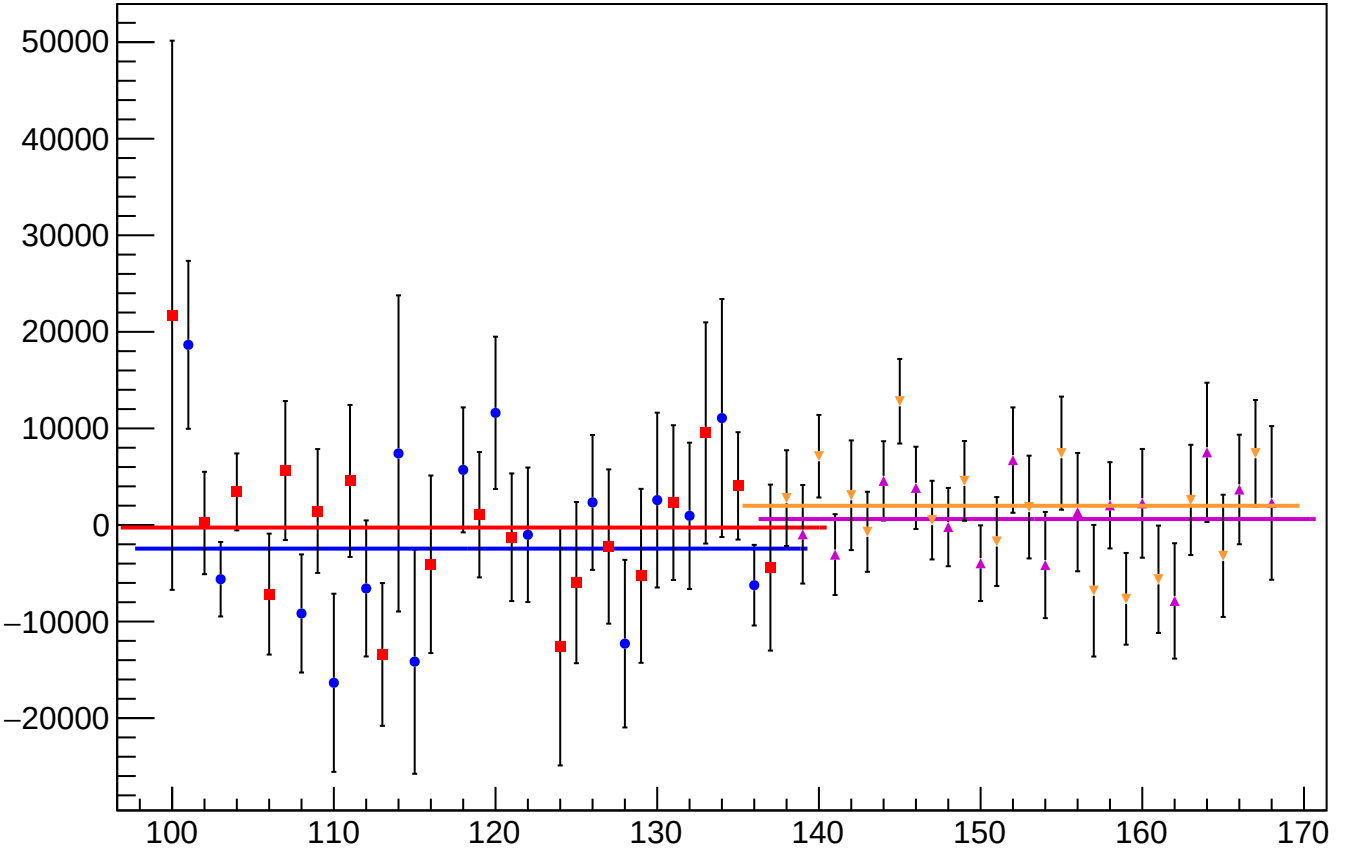
In: -203.235+/-947.292 χ^2/NDF:25.0/30

Out: -419.108+/-889.533 χ^2/NDF:32.3/34

All: -317.953+/-648.453 χ^2/NDF: 57.3/65


asym_atr_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 3890.705+/-1.059 χ²/NDF: 878409.2/15
Left Out: 4069.773+/-0.827 χ²/NDF:677151.9/15
Right Out: 3581.777+/-0.969 χ²/NDF: 1221846.6/18
Left In: 4209.827+/-0.865 χ²/NDF:956737.8/14
Left: 4136.645+/-0.598 χ²/NDF: 1647594.3/30
Right: 3722.606+/-0.715 χ²/NDF: 2146560.1/34
In: 4082.156+/-0.670 χ²/NDF:1889623.8/30
Out: 3864.287+/-0.629 χ²/NDF:2045729.3/34
All: 3966.378+/-0.459 χ²/NDF: 3991572.3/65

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1990.368+/-1236.359 χ^2/NDF:19.4/15

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 613.860+/-1285.842 χ^2/NDF:9.2/14

Left: 1329.109+/-891.218 χ^2/NDF: 29.2/30

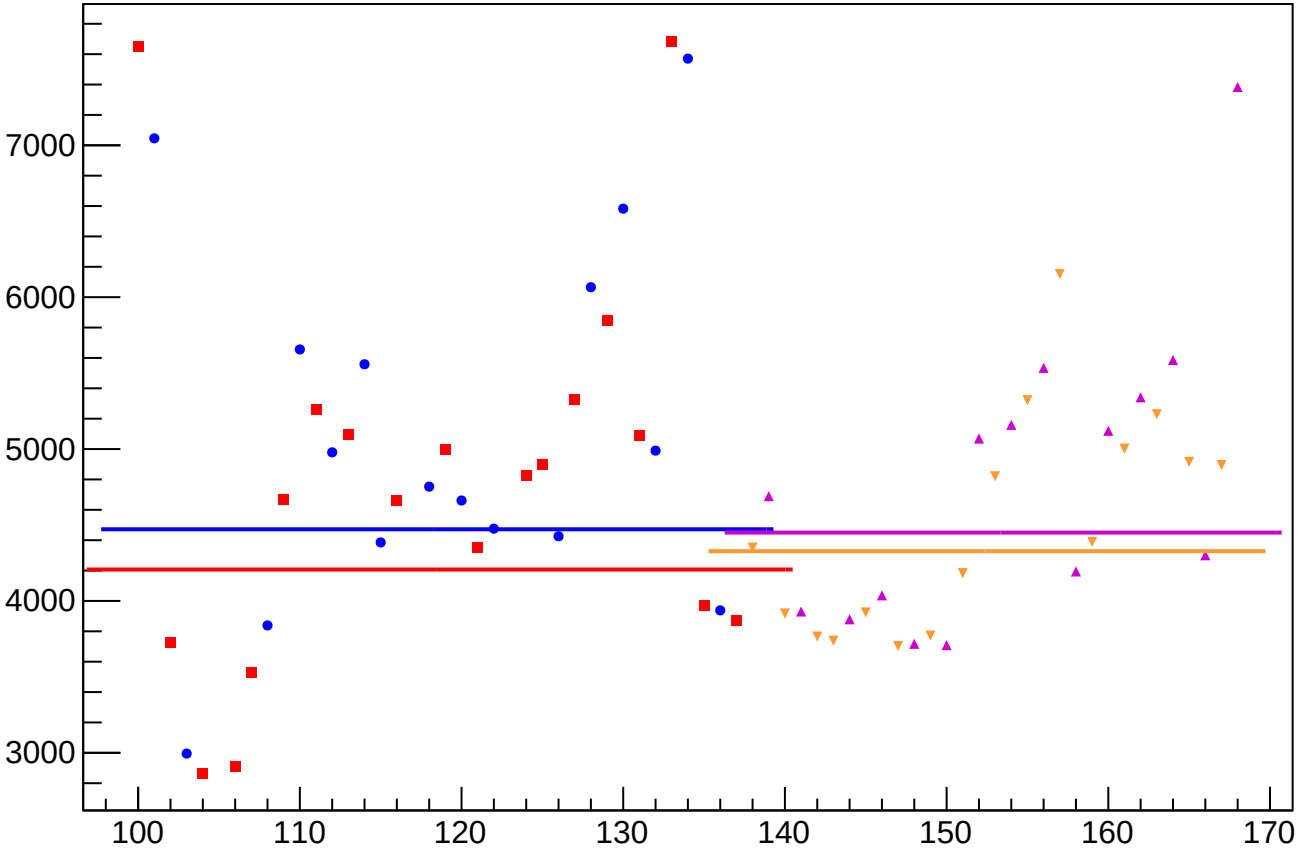
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -484.203+/-1029.802 χ^2/NDF:32.1/30

Out: 1161.577+/-983.407 χ^2/NDF:31.3/34

All: 376.594+/-711.210 χ^2/NDF: 64.8/65

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4327.533+/-0.874 χ^2/NDF:517016.3/15

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4450.296+/-0.909 χ^2/NDF:753405.4/14

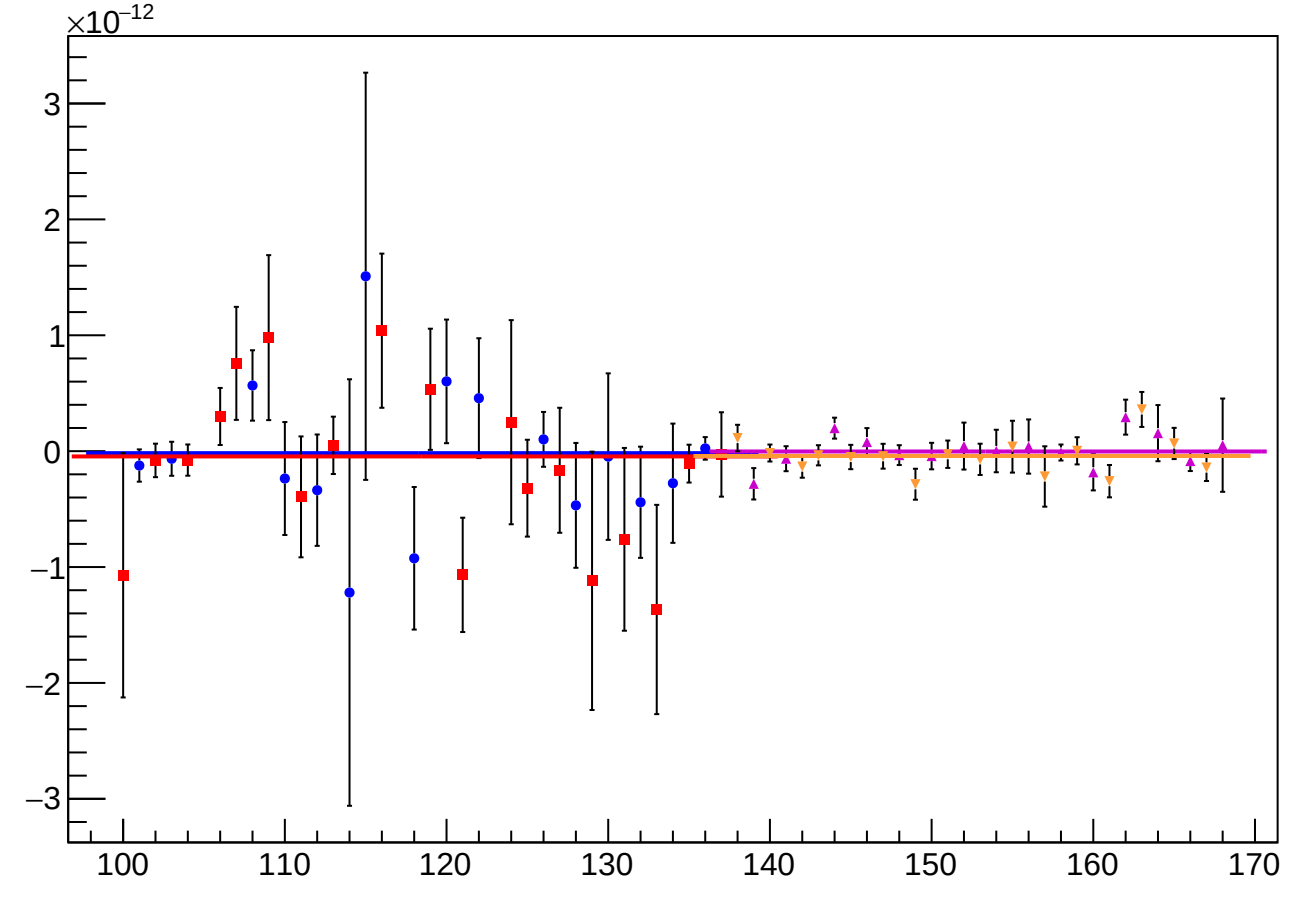
Left: 4386.507+/-0.630 χ^2/NDF: 1279894.3/30

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4458.044+/-0.728 χ^2/NDF:1645286.4/30

Out: 4282.763+/-0.693 χ^2/NDF:1370607.5/34

All: 4366.102+/-0.502 χ^2/NDF: 3046286.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/14

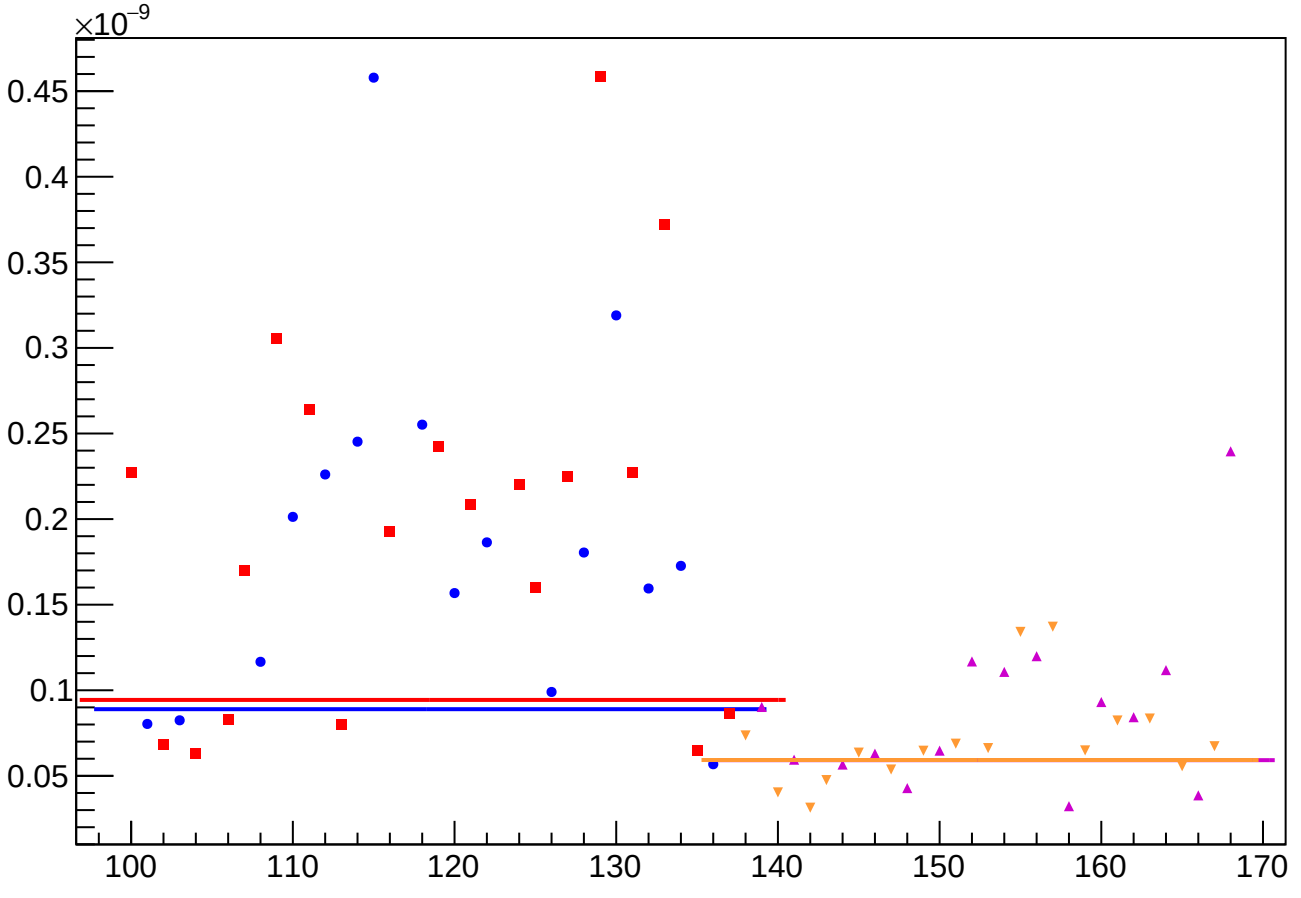
Left: -0.000+/-0.000 χ^2/NDF: 35.6/30

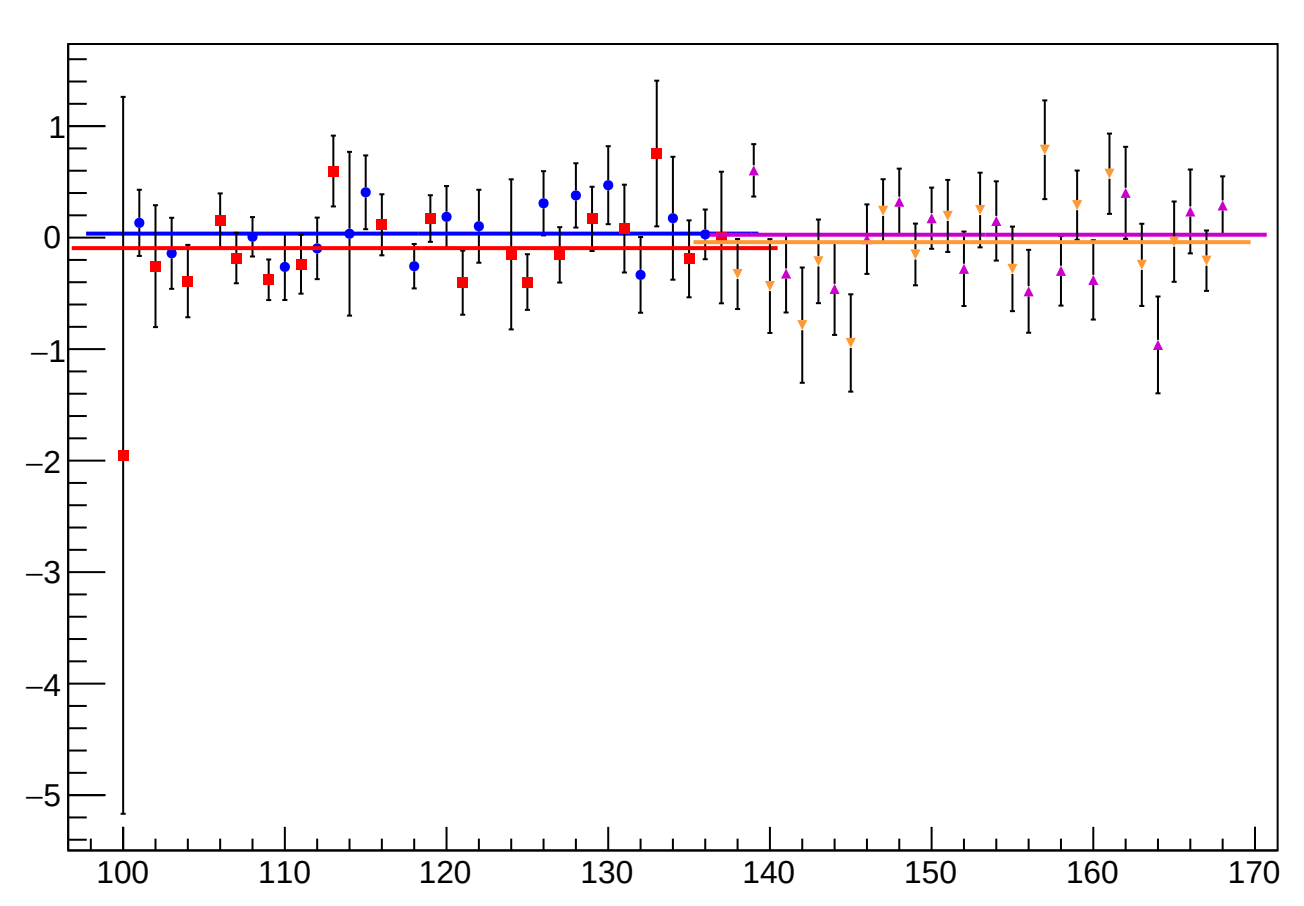
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:29.7/30

Out: -0.000+/-0.000 χ^2/NDF:39.1/34

All: -0.000+/-0.000 χ^2/NDF: 69.7/65


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:923638.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1705515.1/14
Left: 0.000+/-0.000 χ²/NDF: 2629161.6/30
Right: 0.000+/-0.000 χ²/NDF: 2932262.7/34
In: 0.000+/-0.000 χ²/NDF:3312123.8/30
Out: 0.000+/-0.000 χ²/NDF:3068988.8/34
All: 0.000+/-0.000 χ²/NDF: 6381398.8/65



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.026+/-0.084 χ^2/NDF:22.2/14

Left: -0.006+/-0.060 χ^2/NDF: 41.9/30

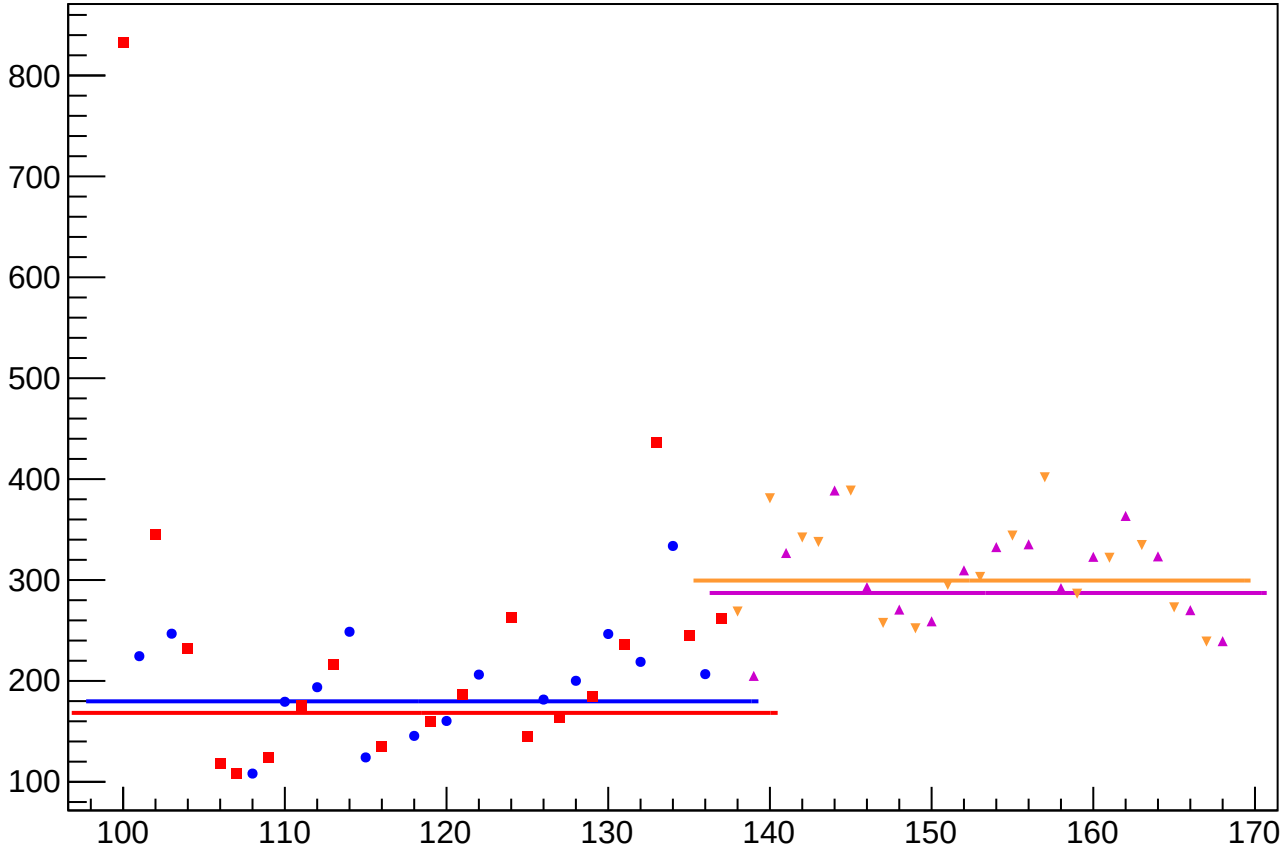
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.054 χ^2/NDF:32.8/30

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.022+/-0.038 χ^2/NDF: 71.9/65

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 299.483+/-0.061 χ^2/NDF:589457.3/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 287.164+/-0.059 χ^2/NDF:668571.8/14

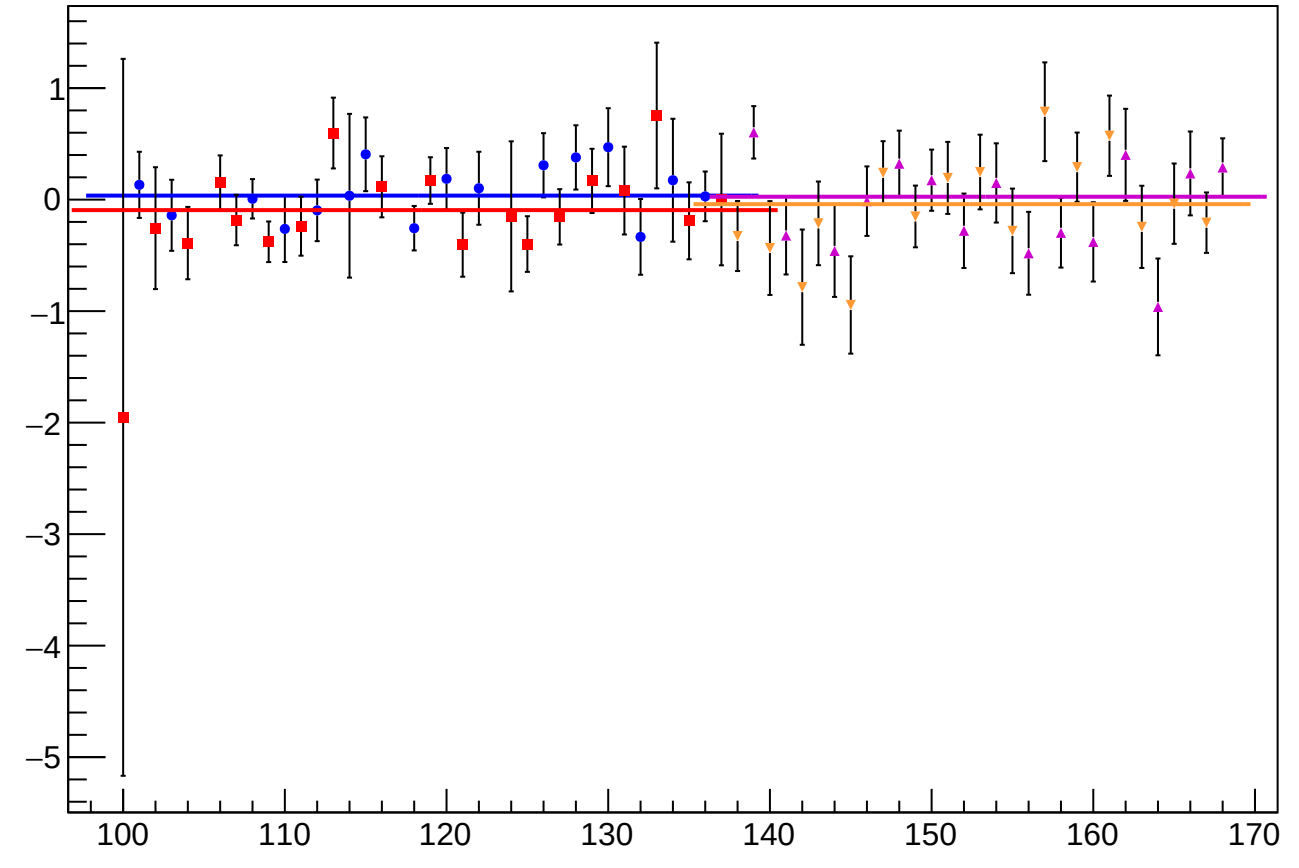
Left: 293.154+/-0.042 χ^2/NDF: 1279034.5/30

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.336+/-0.038 χ^2/NDF:3507110.1/30

Out: 218.337+/-0.038 χ^2/NDF:4865956.2/34

All: 221.292+/-0.027 χ^2/NDF: 8385595.1/65



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.026+/-0.084 χ^2/NDF:22.2/14

Left: -0.006+/-0.060 χ^2/NDF: 41.9/30

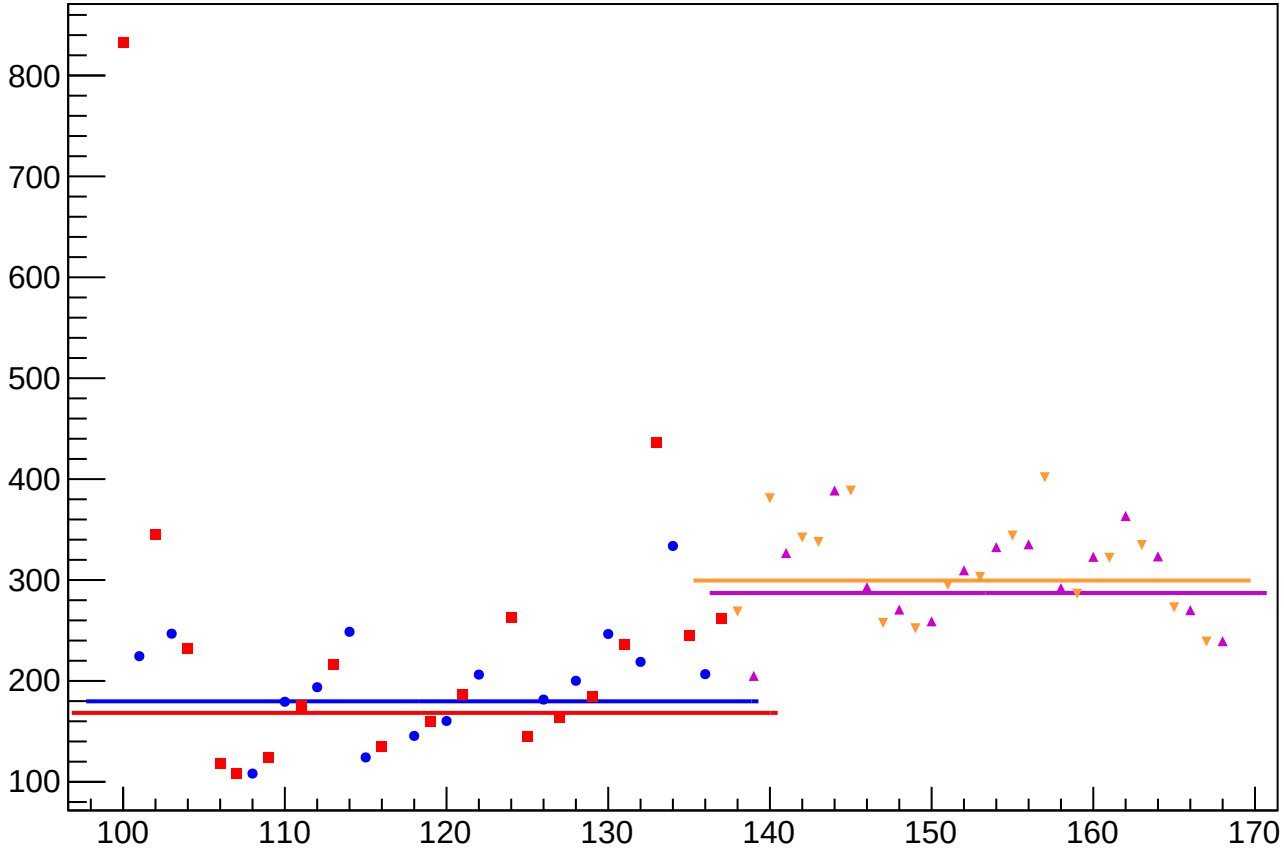
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.054 χ^2/NDF:32.8/30

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.022+/-0.038 χ^2/NDF: 71.9/65

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: 299.483+/-0.061 χ^2/NDF:589457.3/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 287.164+/-0.059 χ^2/NDF:668571.8/14

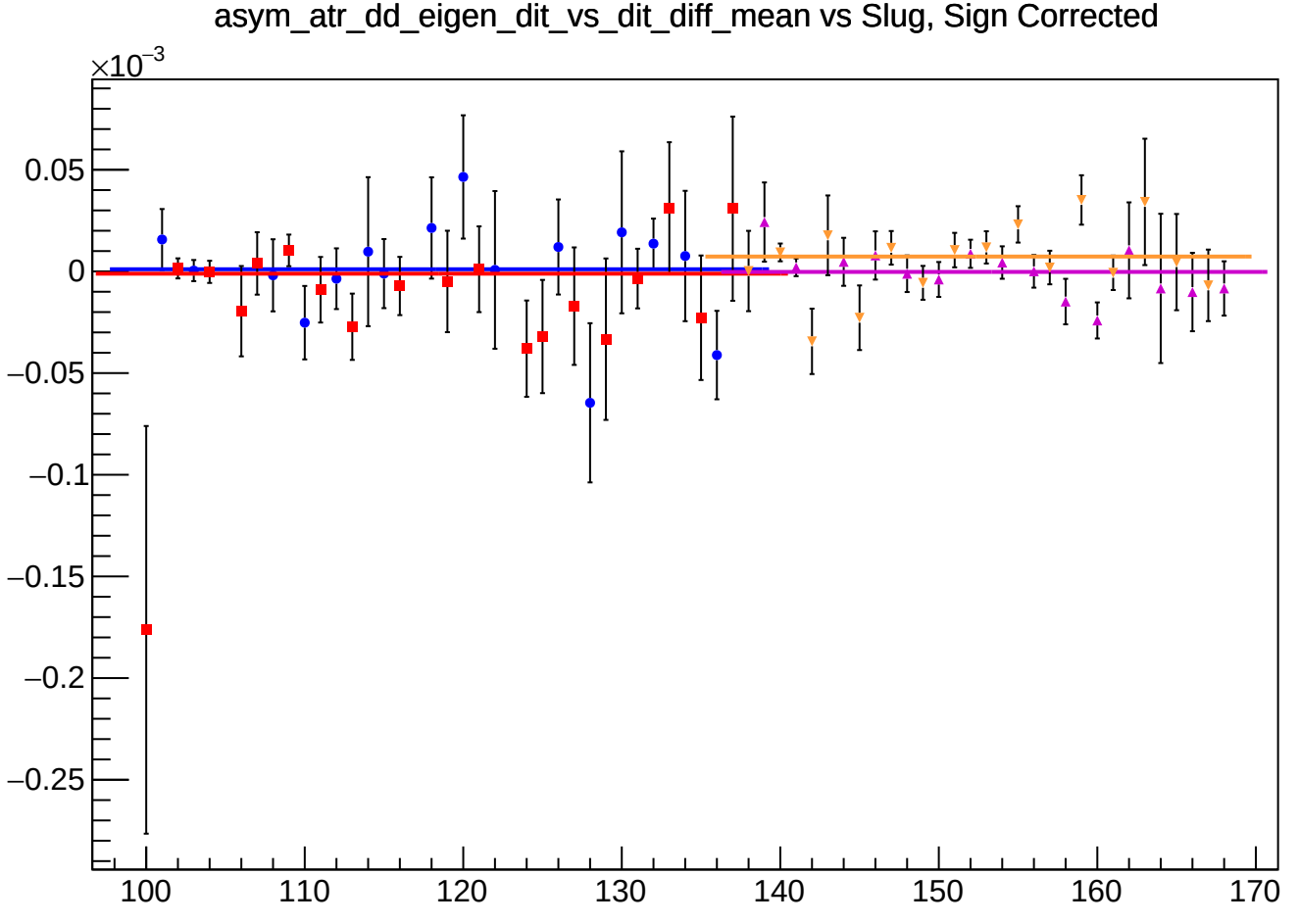
Left: 293.154+/-0.042 χ^2/NDF: 1279034.5/30

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 224.336+/-0.038 χ^2/NDF:3507110.1/30

Out: 218.337+/-0.038 χ^2/NDF:4865956.2/34

All: 221.292+/-0.027 χ^2/NDF: 8385595.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/14

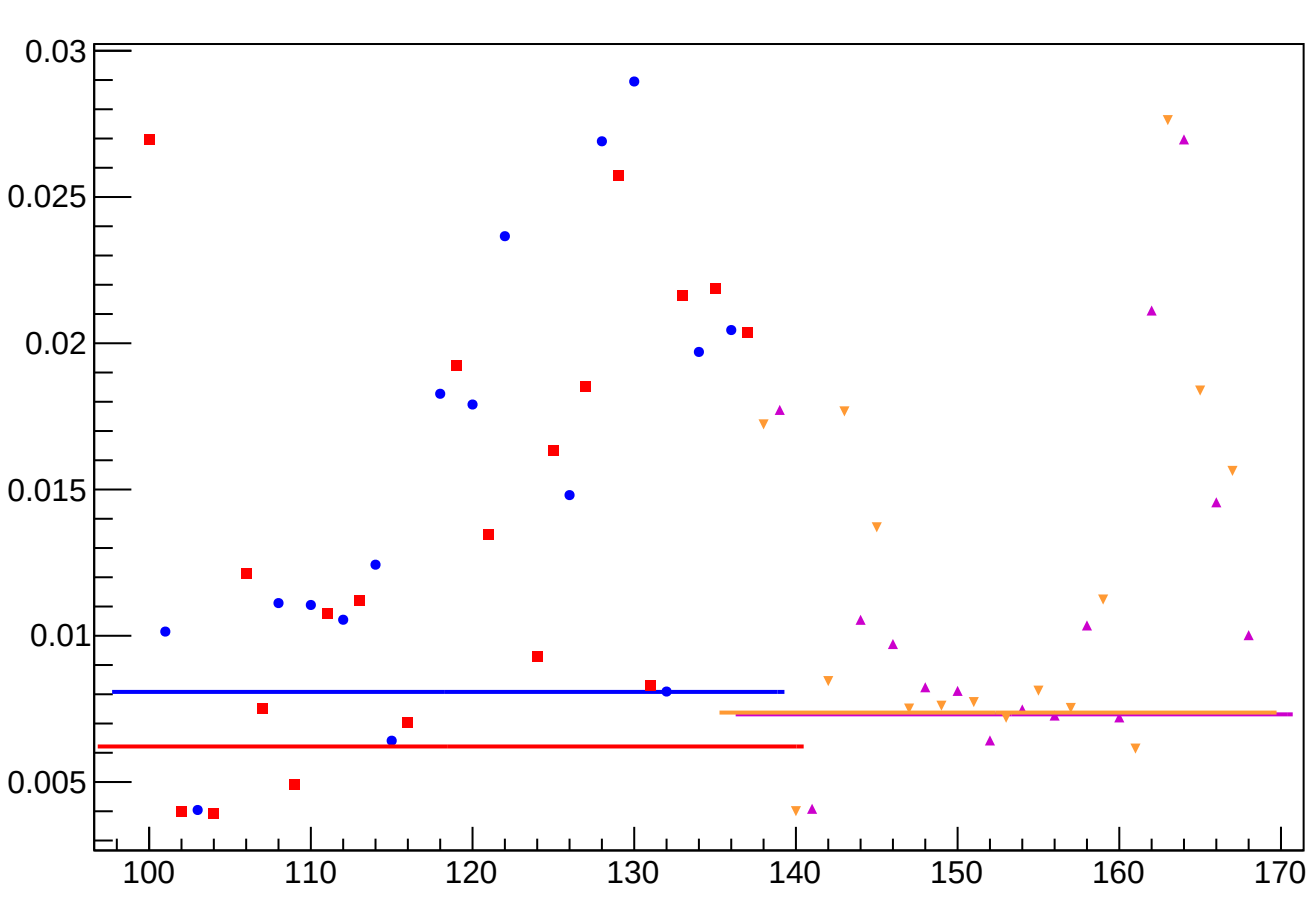
Left: 0.000+/-0.000 χ^2/NDF: 44.8/30

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.9/30

Out: 0.000+/-0.000 χ^2/NDF:46.4/34

All: 0.000+/-0.000 χ^2/NDF: 77.2/65



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4556145.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:3748875.8/14

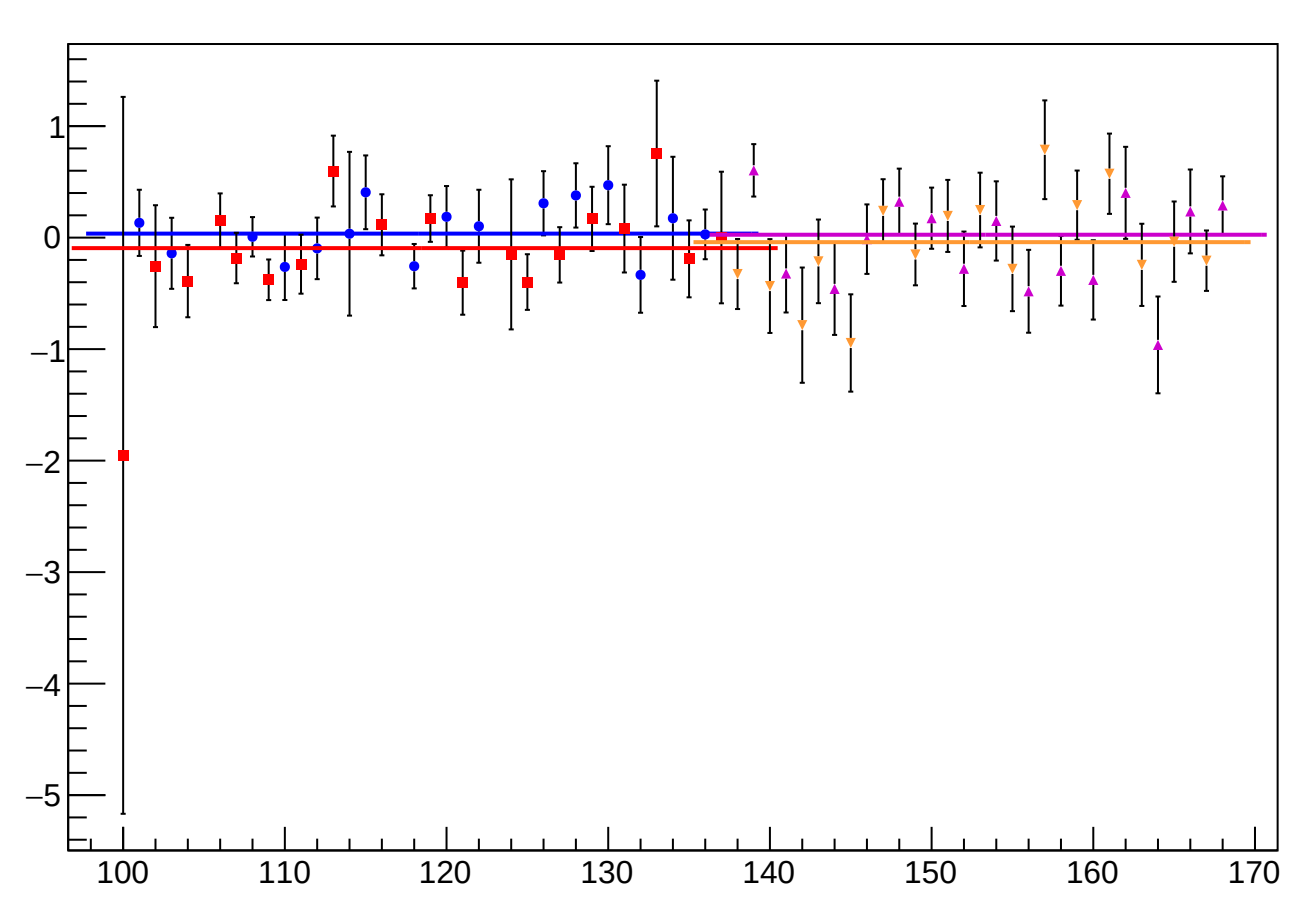
Left: 0.007+/-0.000 χ^2/NDF: 8305685.3/30

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.008+/-0.000 χ^2/NDF:8223183.0/30

Out: 0.007+/-0.000 χ^2/NDF:9315613.4/34

All: 0.007+/-0.000 χ^2/NDF: 17651845.8/65



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.026+/-0.084 χ^2/NDF:22.2/14

Left: -0.006+/-0.060 χ^2/NDF: 41.9/30

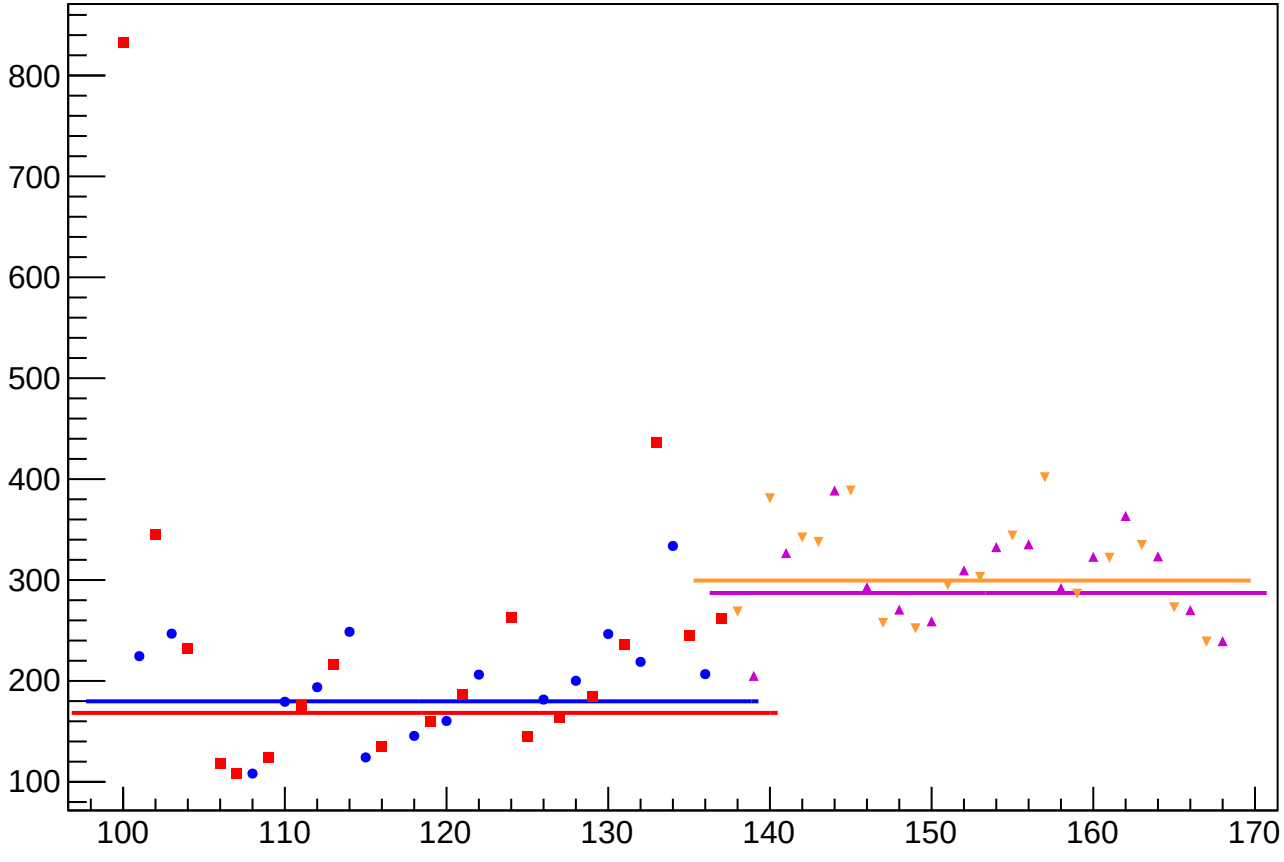
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.054 χ^2/NDF:32.8/30

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.022+/-0.038 χ^2/NDF: 71.9/65

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 299.488+/-0.061 χ^2/NDF:589445.2/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 287.169+/-0.059 χ^2/NDF:668547.4/14

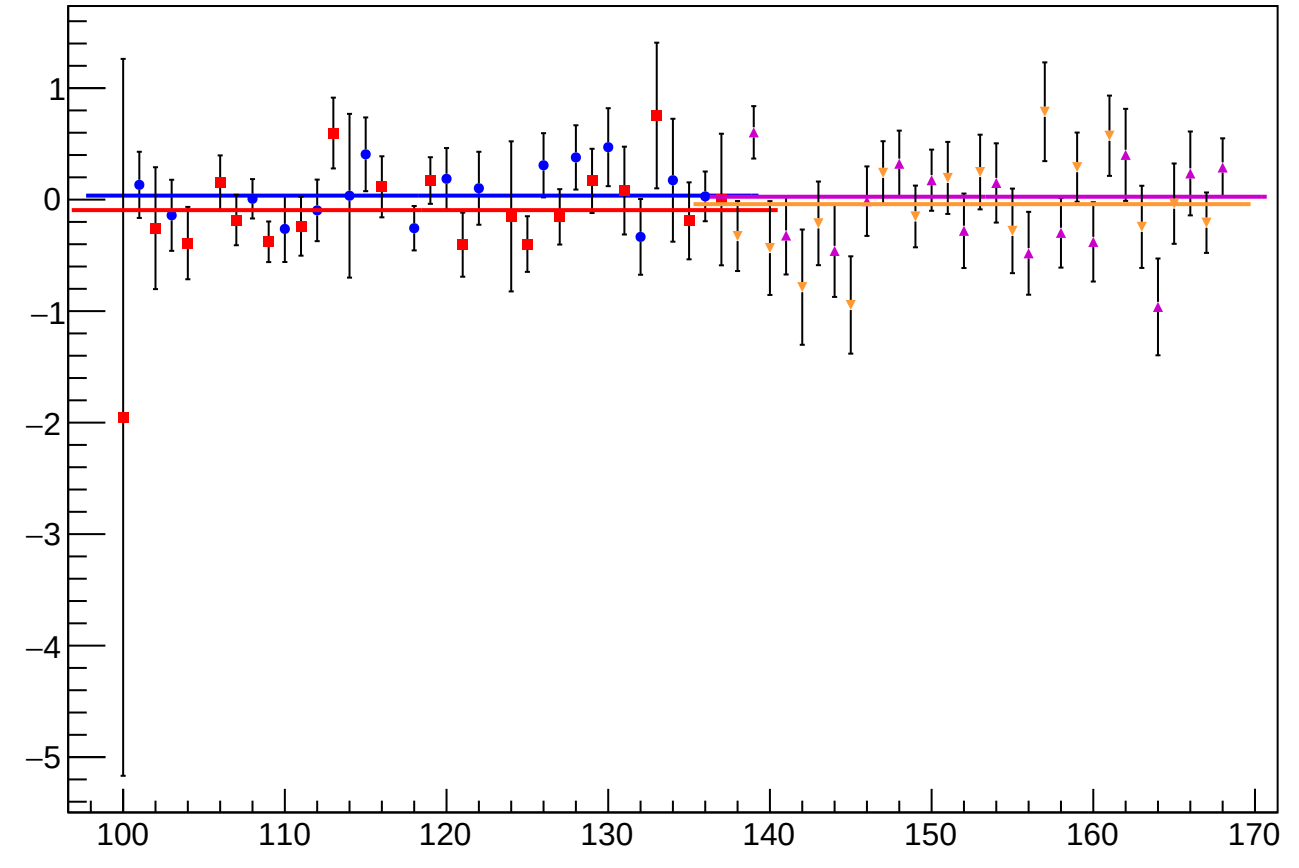
Left: 293.159+/-0.042 χ^2/NDF: 1278997.2/30

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.335+/-0.038 χ^2/NDF:3507384.5/30

Out: 218.338+/-0.038 χ^2/NDF:4866111.9/34

All: 221.292+/-0.027 χ^2/NDF: 8386017.9/65



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.041+/-0.086 χ^2/NDF:19.3/15

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.026+/-0.084 χ^2/NDF:22.2/14

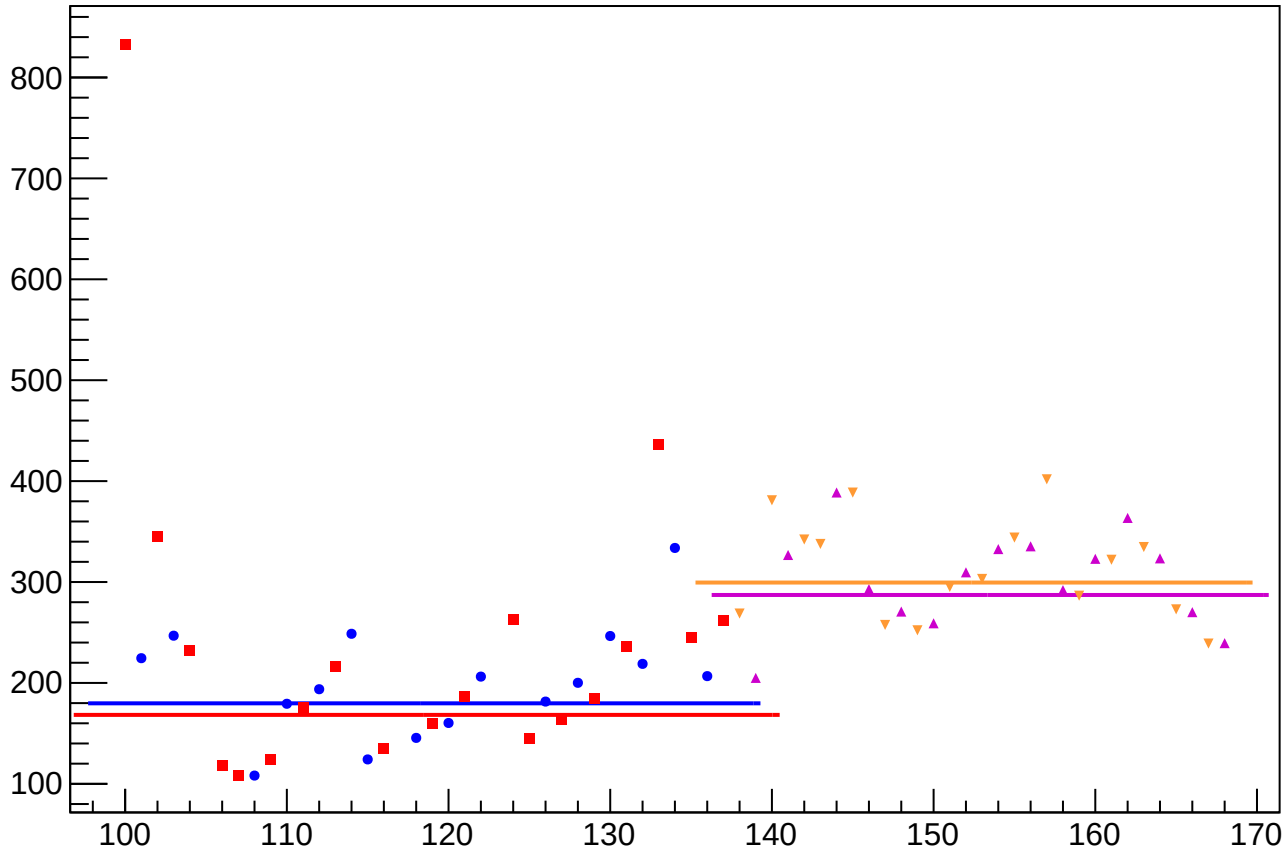
Left: -0.006+/-0.060 χ^2/NDF: 41.9/30

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.054 χ^2/NDF:32.8/30

Out: -0.074+/-0.053 χ^2/NDF:37.2/34

All: -0.022+/-0.038 χ^2/NDF: 71.9/65



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 299.488+/-0.061 χ^2/NDF:589445.2/15

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 287.169+/-0.059 χ^2/NDF:668547.4/14

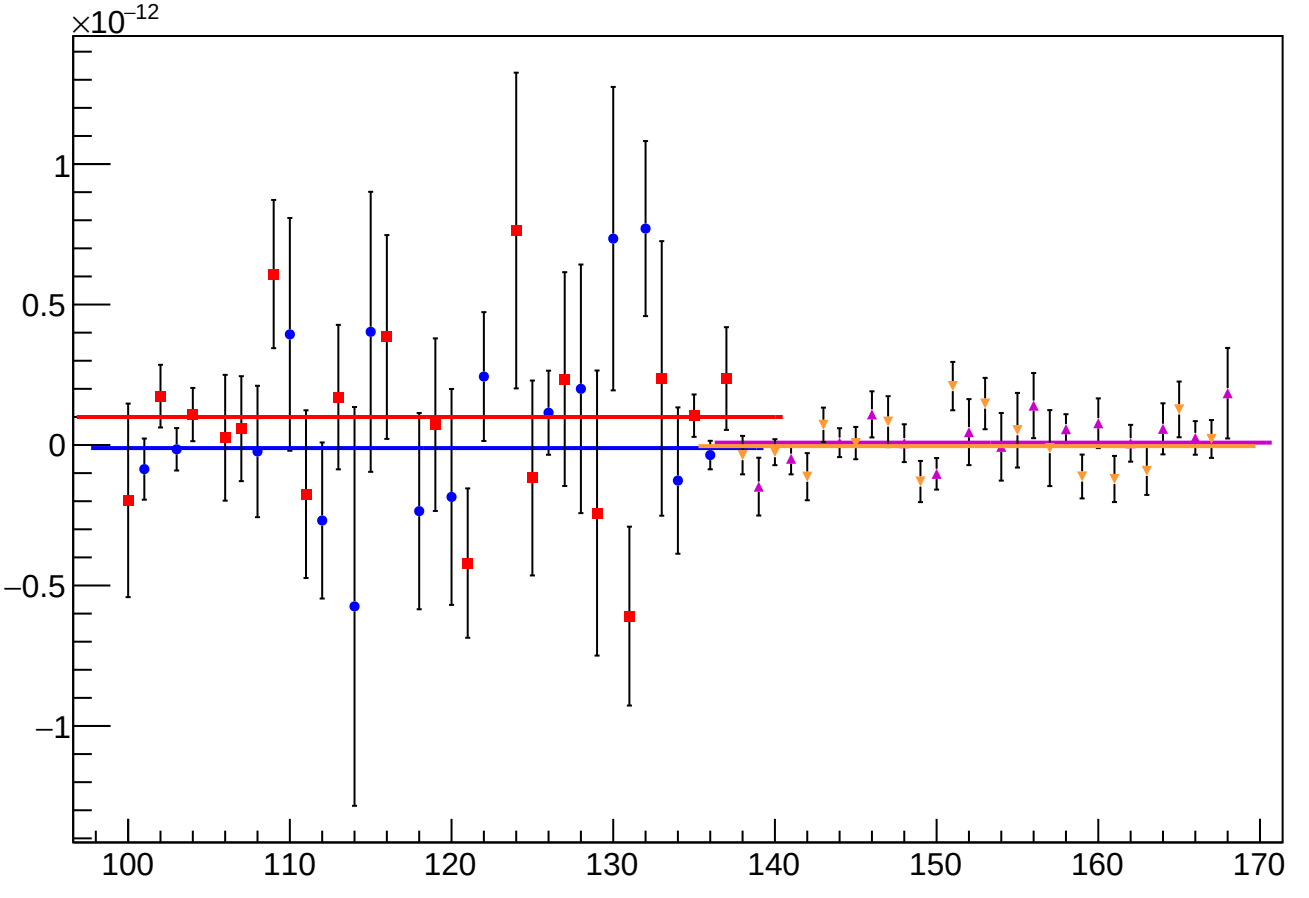
Left: 293.159+/-0.042 χ^2/NDF: 1278997.2/30

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 224.335+/-0.038 χ^2/NDF:3507384.5/30

Out: 218.338+/-0.038 χ^2/NDF:4866111.9/34

All: 221.292+/-0.027 χ^2/NDF: 8386017.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/14

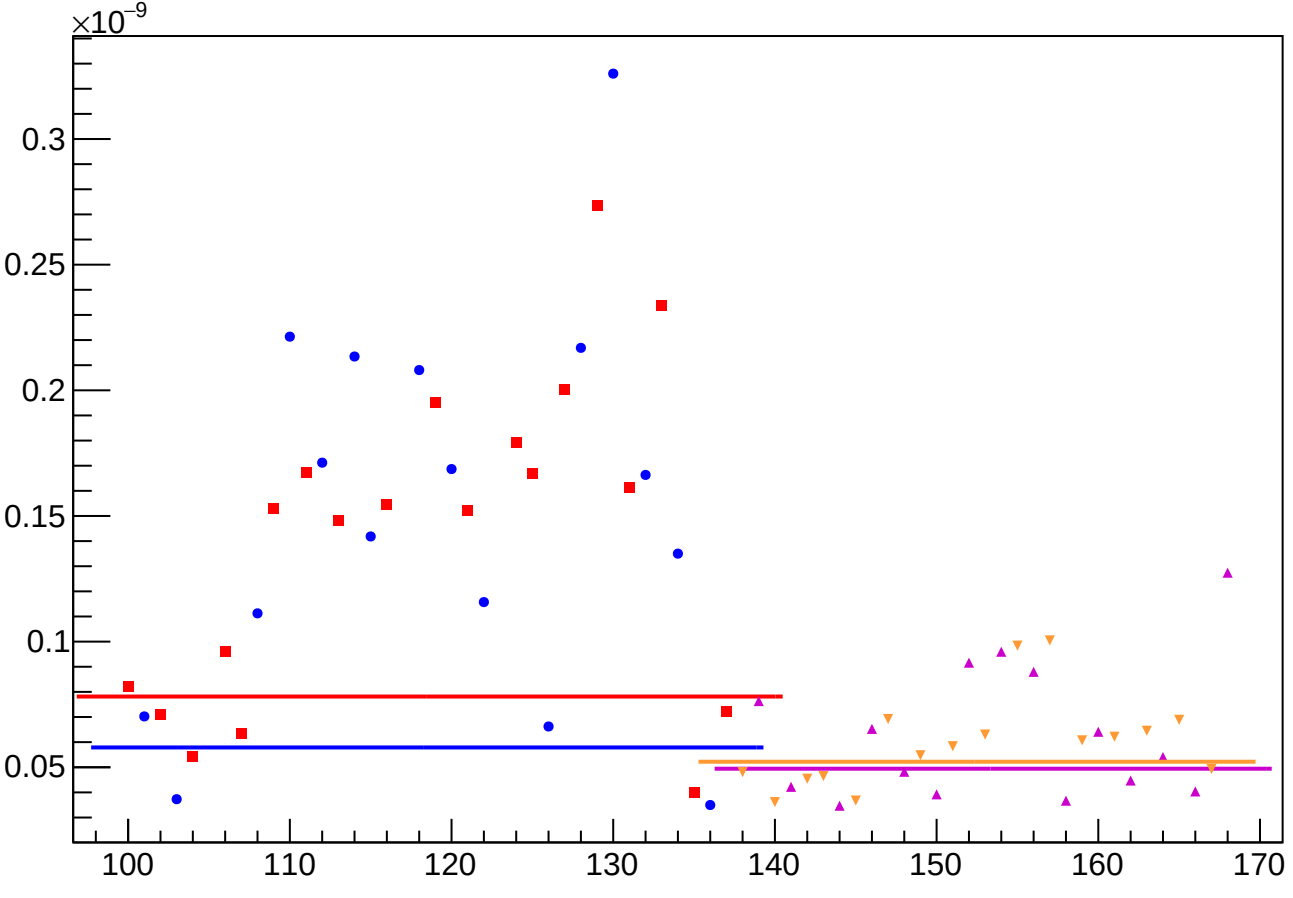
Left: 0.000+/-0.000 χ^2/NDF: 36.9/30

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:28.4/30

Out: 0.000+/-0.000 χ^2/NDF:47.0/34

All: 0.000+/-0.000 χ^2/NDF: 75.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1185966.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1952846.0/14

Left: 0.000+/-0.000 χ^2/NDF: 3160756.5/30

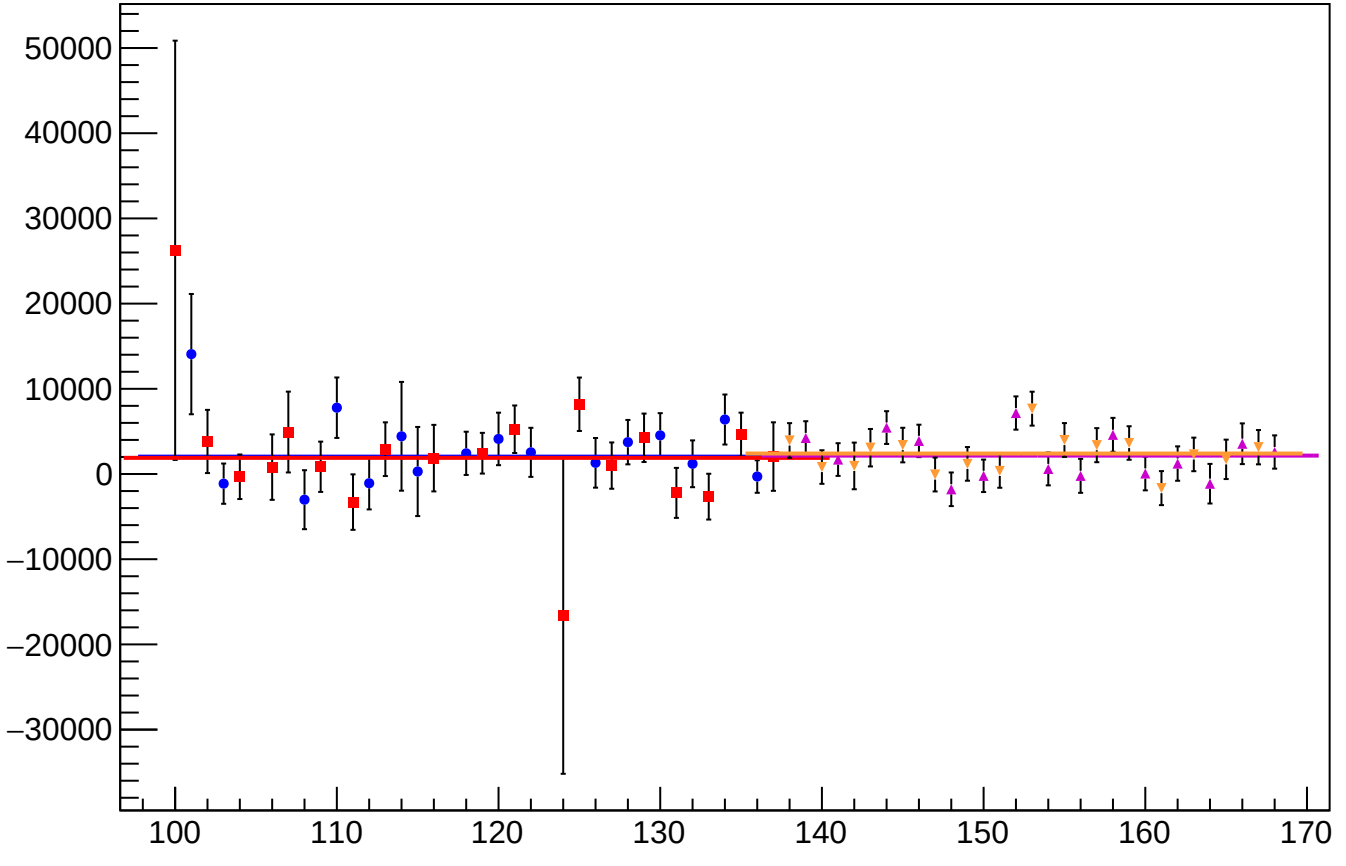
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5365607.6/30

Out: 0.000+/-0.000 χ^2/NDF:4550925.7/34

All: 0.000+/-0.000 χ^2/NDF: 10012394.4/65

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.841+/-512.775 χ^2/NDF:17.4/15

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2159.522+/-515.096 χ^2/NDF:24.4/14

Left: 2281.731+/-363.405 χ^2/NDF: 41.9/30

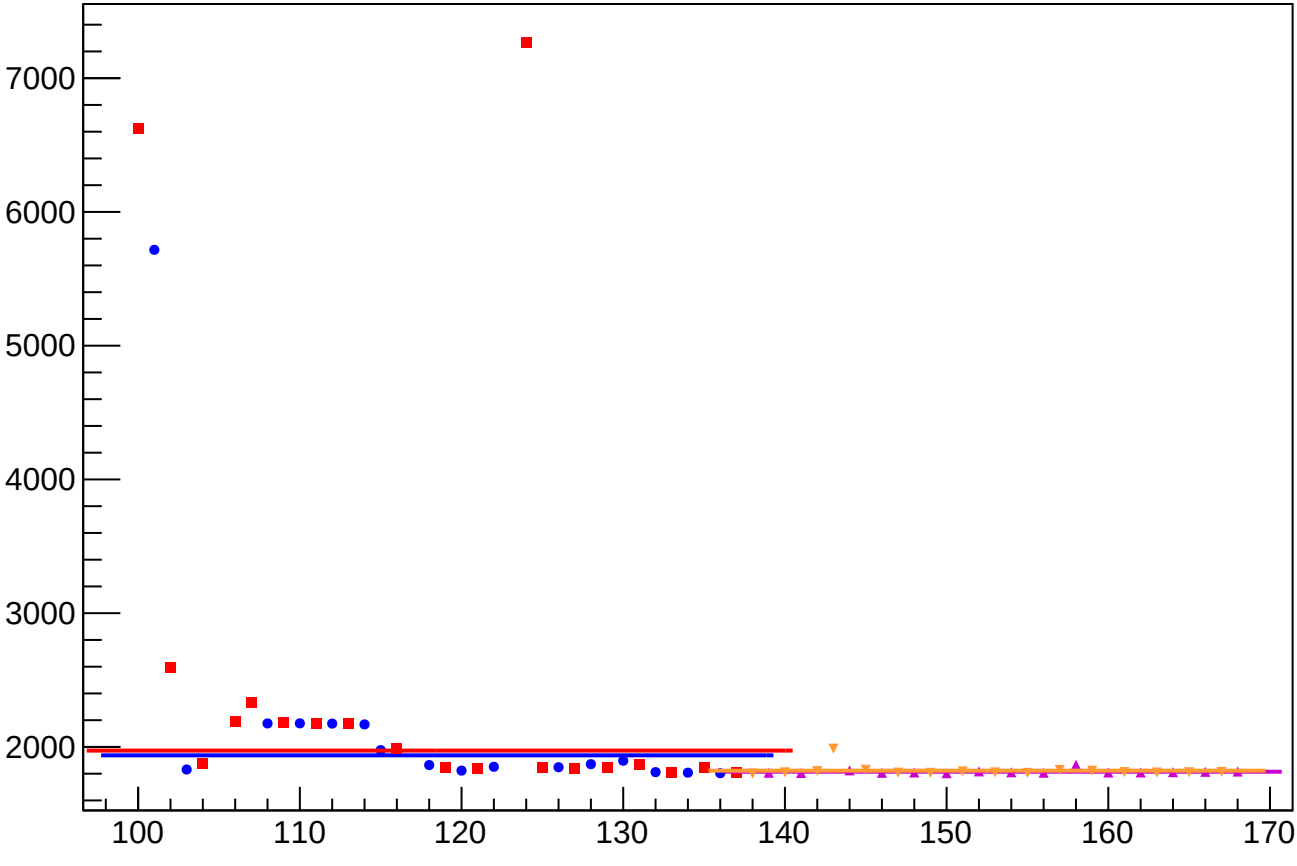
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2119.983+/-422.051 χ^2/NDF:40.8/30

Out: 2237.199+/-420.874 χ^2/NDF:36.3/34

All: 2178.754+/-298.018 χ^2/NDF: 77.1/65

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

Left: 1818.669+/-0.257 χ^2/NDF: 14221.4/30

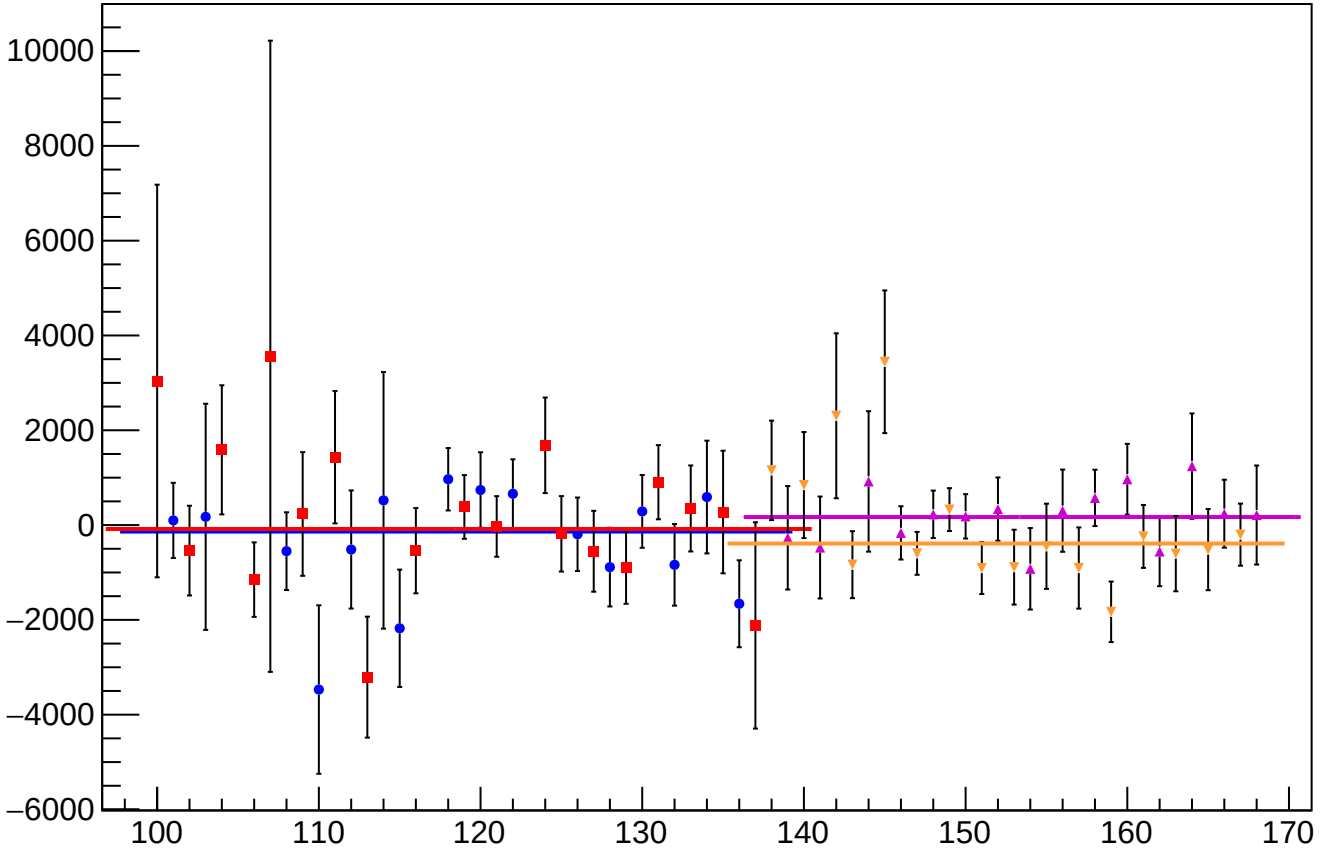
Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1854.995+/-0.298 χ^2/NDF:677002.2/30

Out: 1871.582+/-0.298 χ^2/NDF:445792.4/34

All: 1863.312+/-0.211 χ^2/NDF: 1124343.4/65

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -389.645+/-177.347 χ^2/NDF:22.4/15

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 169.487+/-185.772 χ^2/NDF:6.4/14

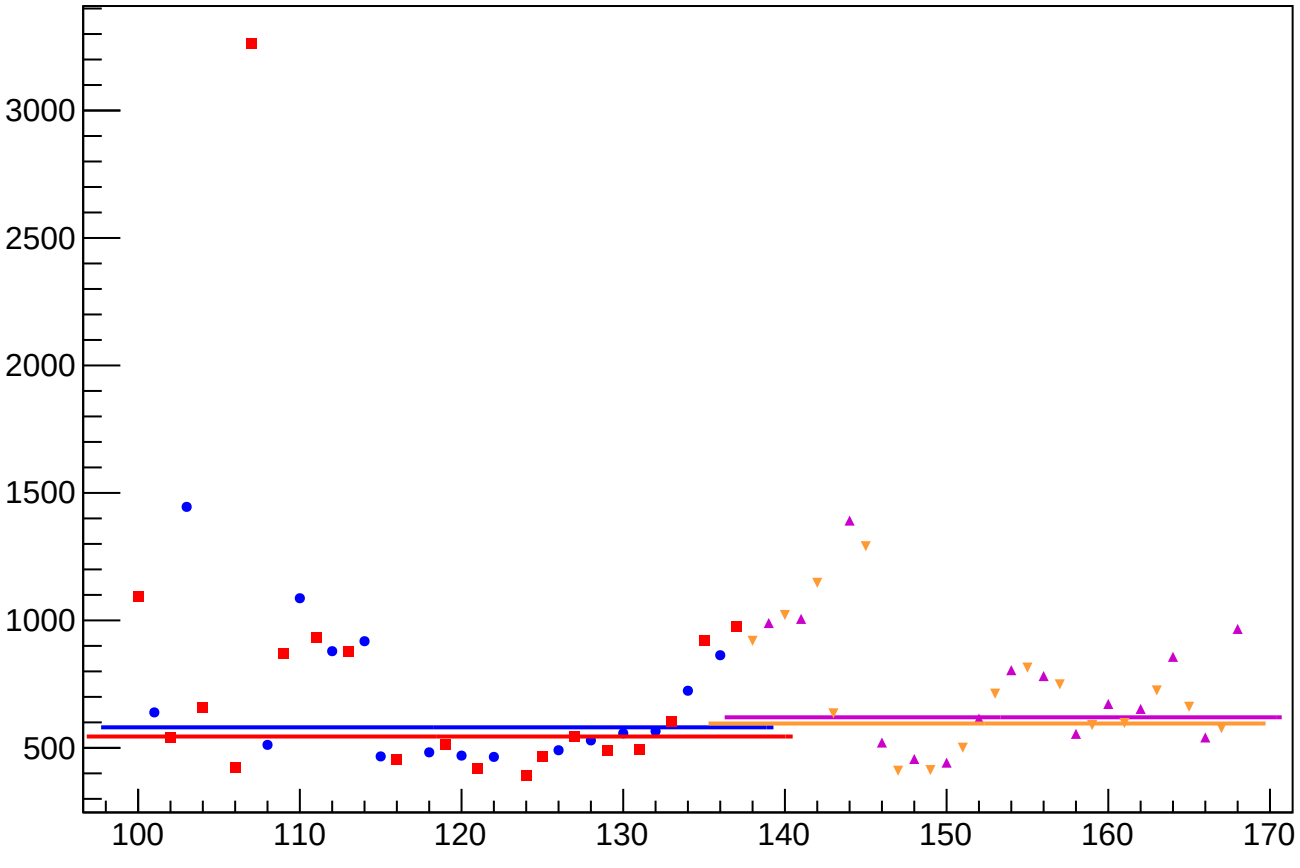
Left: -123.044+/-128.278 χ^2/NDF: 33.5/30

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 48.896+/-144.625 χ^2/NDF:24.3/30

Out: -269.925+/-138.566 χ^2/NDF:43.3/34

All: -117.333+/-100.055 χ^2/NDF: 70.1/65



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 595.554+/-0.125 χ^2/NDF:2129936.5/15

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 619.921+/-0.131 χ^2/NDF:2128873.8/14

Left: 607.173+/-0.091 χ^2/NDF: 4276812.3/30

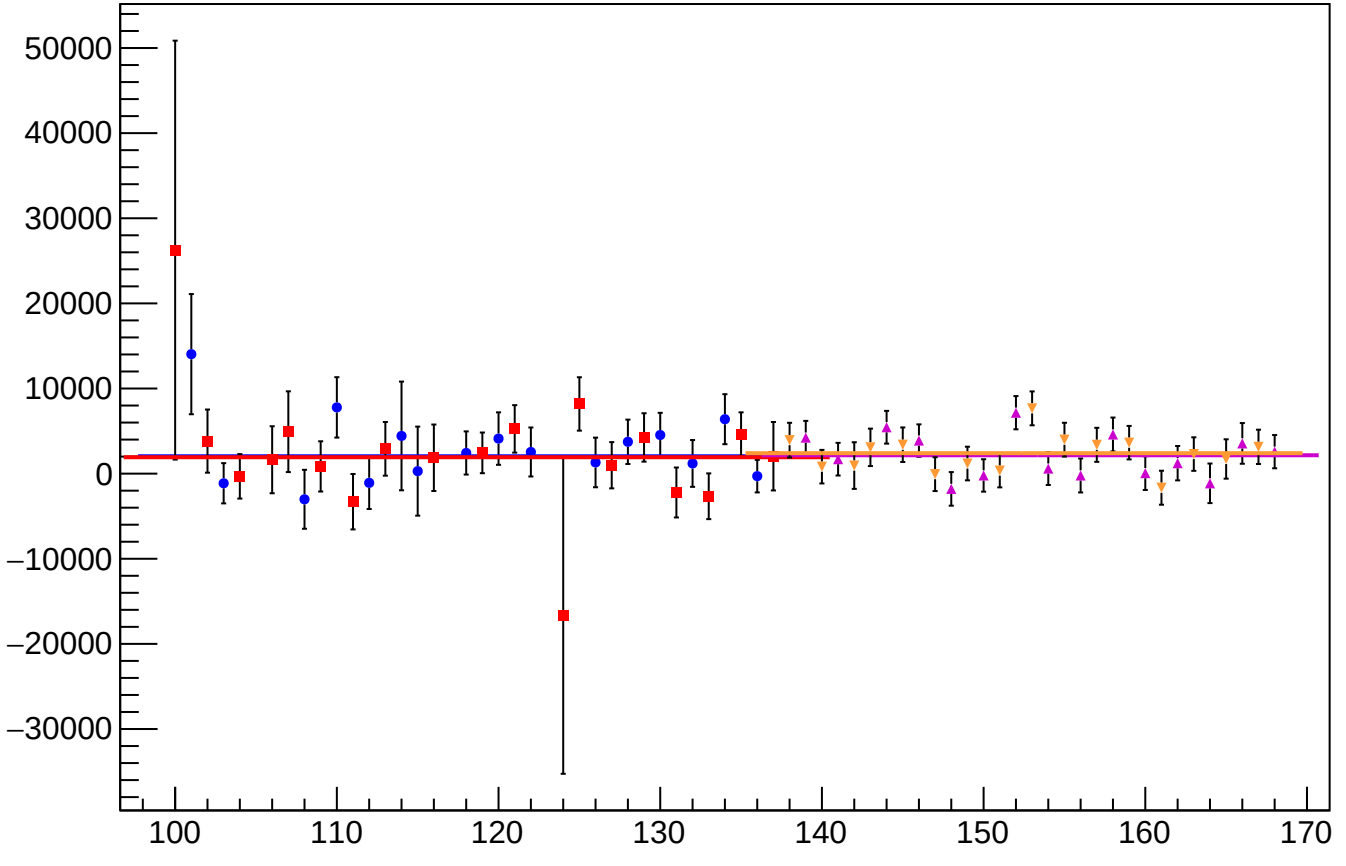
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 604.436+/-0.102 χ^2/NDF:3167561.7/30

Out: 575.679+/-0.098 χ^2/NDF:3482066.1/34

All: 589.443+/-0.071 χ^2/NDF: 6690854.5/65

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2159.589+/-515.096 χ^2/NDF:24.4/14

Left: 2281.762+/-363.405 χ^2/NDF: 41.9/30

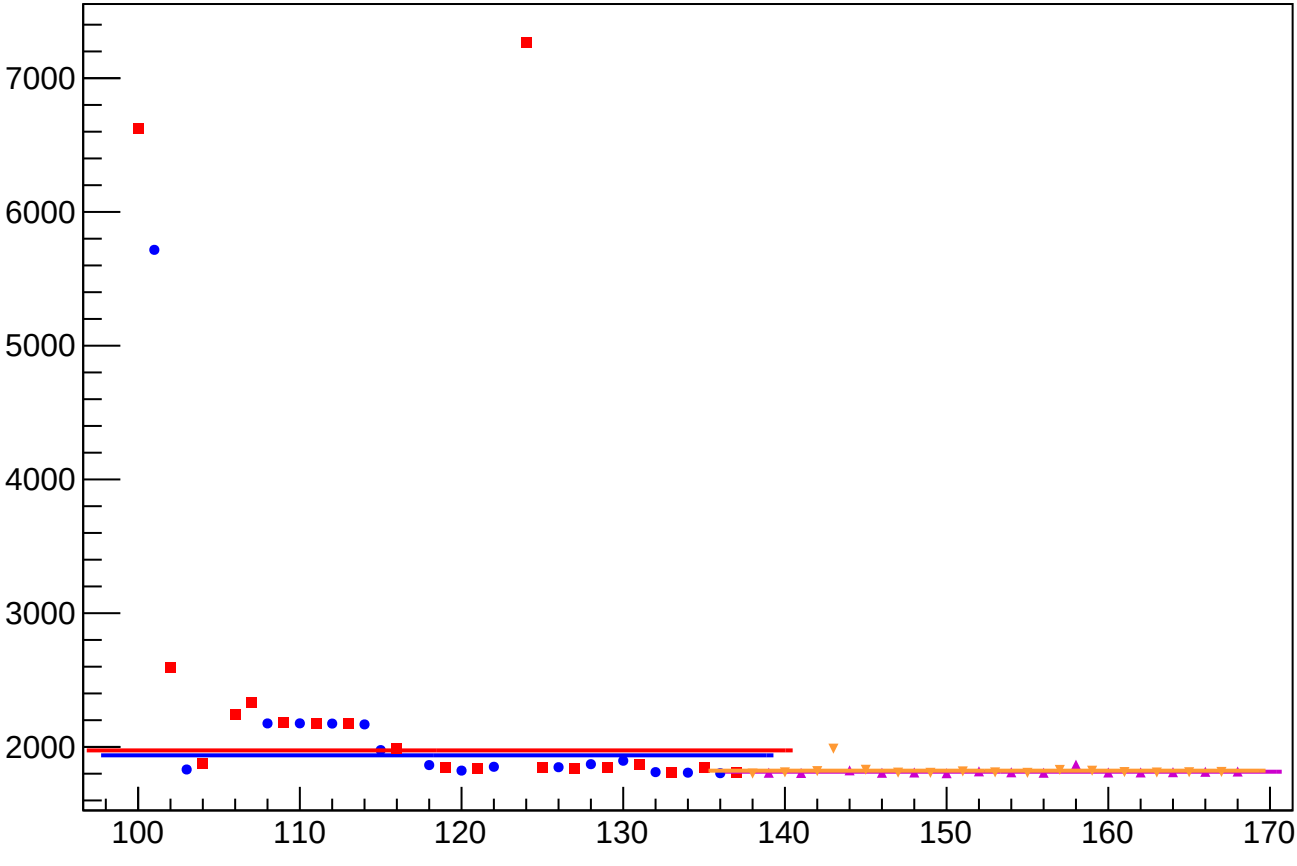
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.906+/-422.051 χ^2/NDF:40.8/30

Out: 2247.503+/-420.995 χ^2/NDF:36.1/34

All: 2183.865+/-298.061 χ^2/NDF: 77.0/65

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

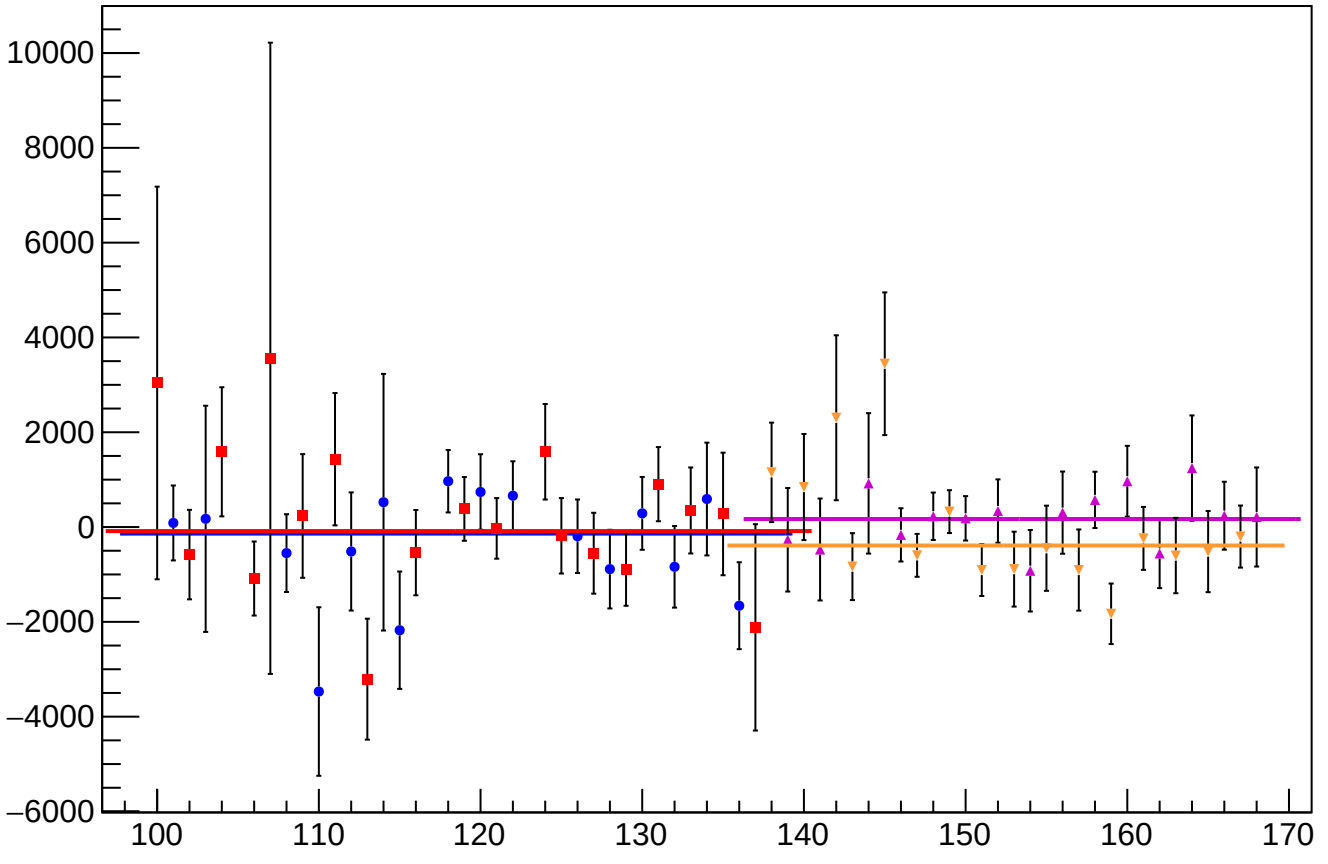
Left: 1818.669+/-0.257 χ^2/NDF: 14221.4/30

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1854.995+/-0.298 χ^2/NDF:677002.1/30

Out: 1871.979+/-0.298 χ^2/NDF:449663.0/34

All: 1863.508+/-0.211 χ^2/NDF: 1128288.4/65



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -389.685+/-177.347 χ^2/NDF:22.3/15

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 169.502+/-185.772 χ^2/NDF:6.4/14

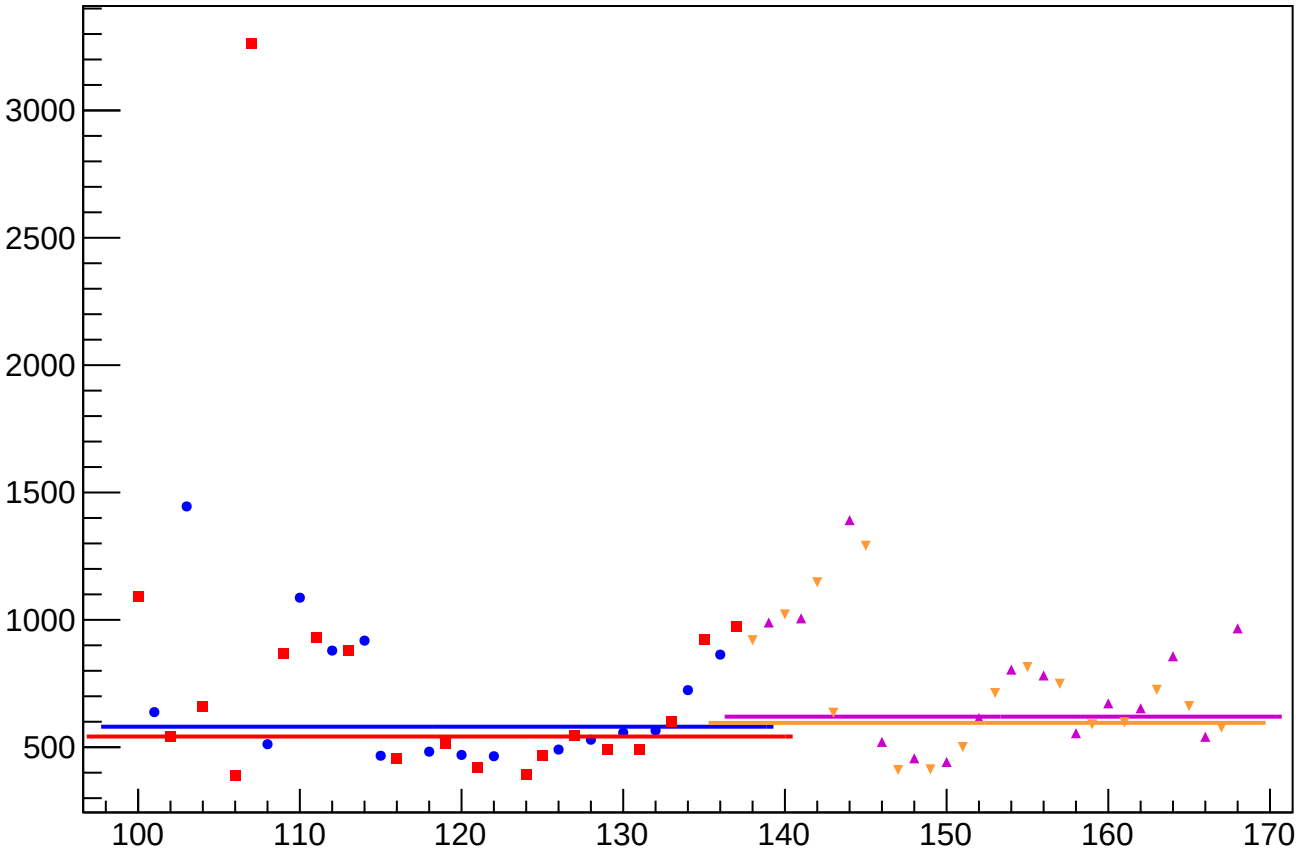
Left: -123.060+/-128.278 χ^2/NDF: 33.5/30

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 48.540+/-144.614 χ^2/NDF:24.3/30

Out: -270.892+/-138.533 χ^2/NDF:42.8/34

All: -118.033+/-100.038 χ^2/NDF: 69.7/65



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 595.552+/-0.125 χ^2/NDF:2130056.2/15

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 619.924+/-0.131 χ^2/NDF:2128936.0/14

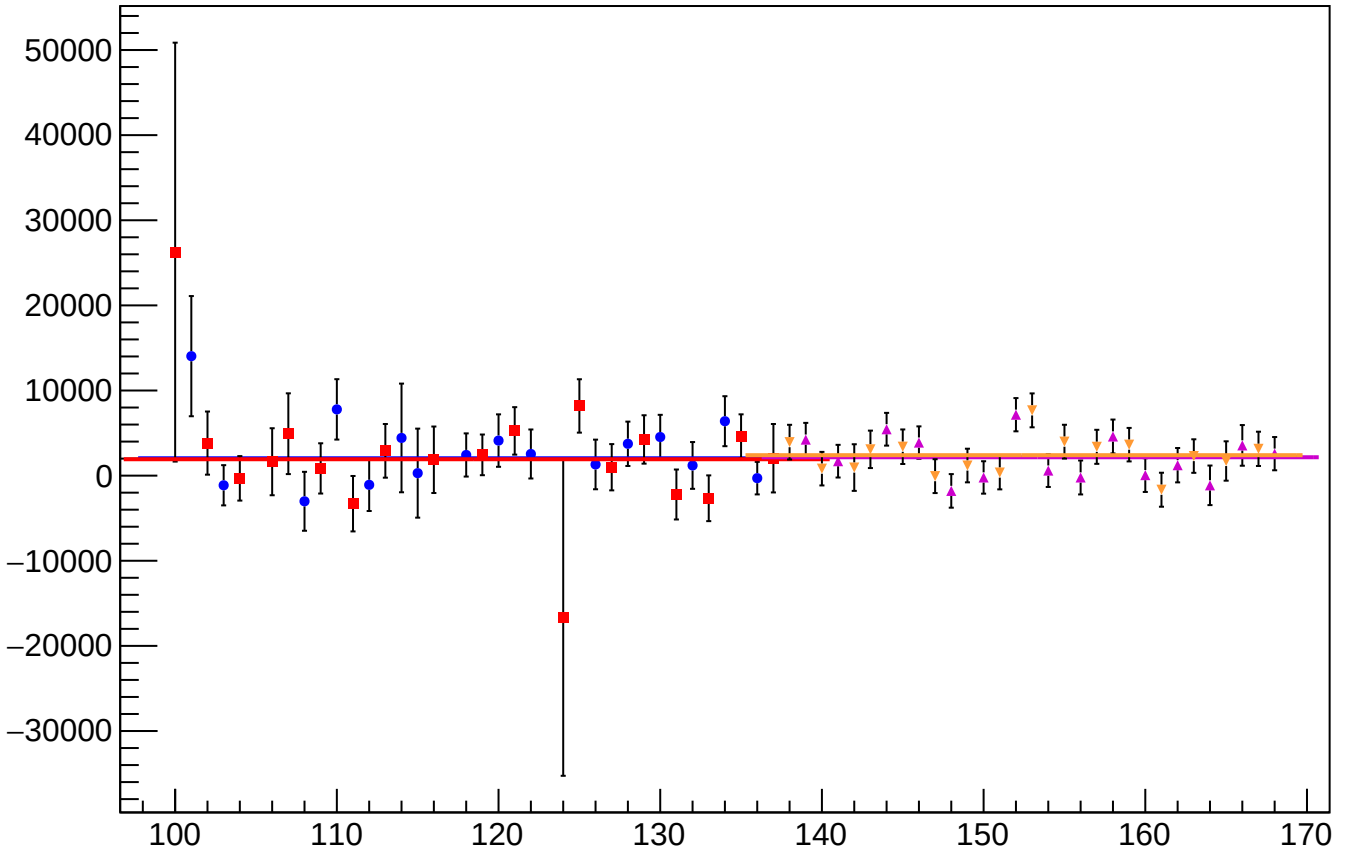
Left: 607.172+/-0.091 χ^2/NDF: 4277001.8/30

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 604.397+/-0.102 χ^2/NDF:3167292.2/30

Out: 574.652+/-0.098 χ^2/NDF:3520157.3/34

All: 588.886+/-0.071 χ^2/NDF: 6731572.2/65



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2402.837+/-512.775 χ^2/NDF:17.4/15

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2159.589+/-515.096 χ^2/NDF:24.4/14

Left: 2281.762+/-363.405 χ^2/NDF: 41.9/30

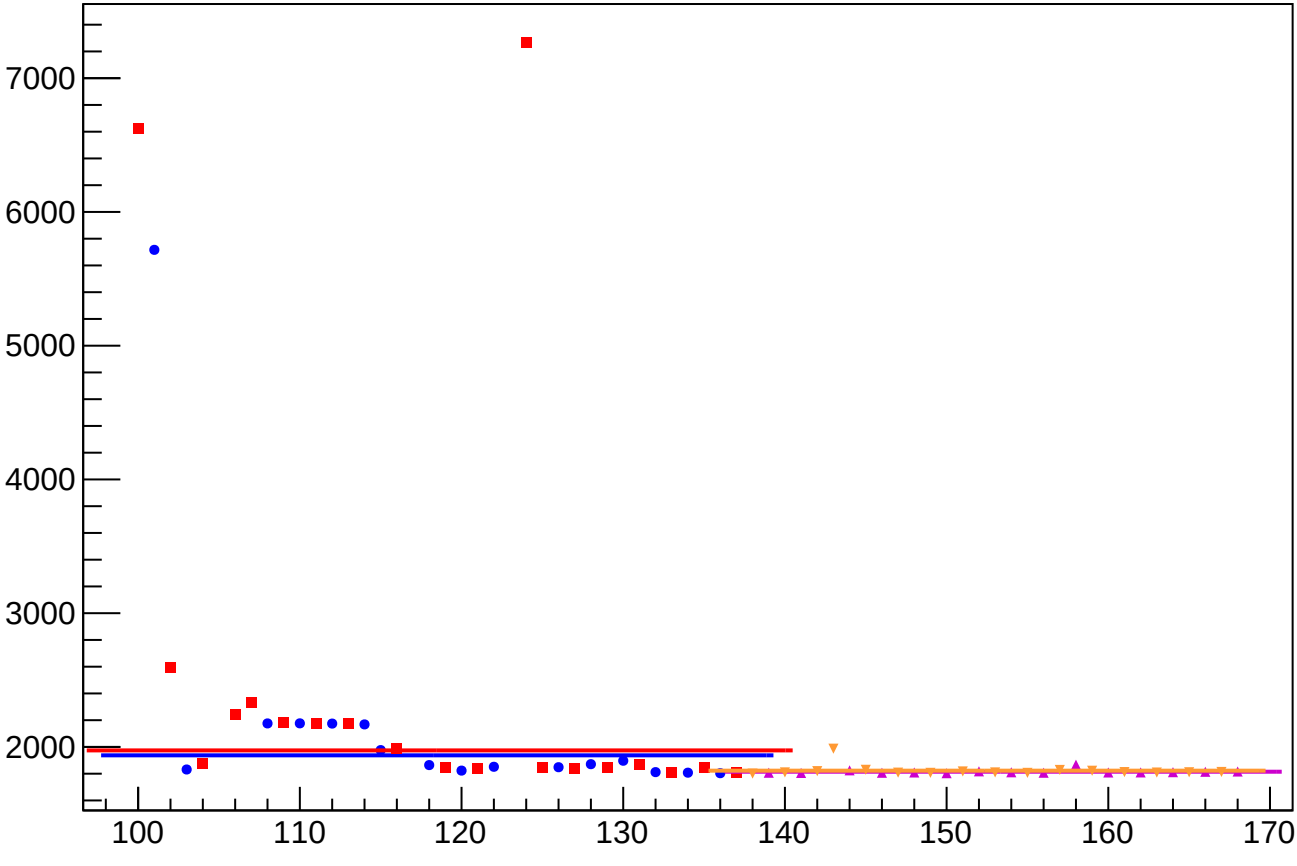
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.906+/-422.051 χ^2/NDF:40.8/30

Out: 2247.503+/-420.995 χ^2/NDF:36.1/34

All: 2183.865+/-298.061 χ^2/NDF: 77.0/65

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1822.572+/-0.363 χ^2/NDF:12267.0/15

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.730+/-0.364 χ^2/NDF:1721.6/14

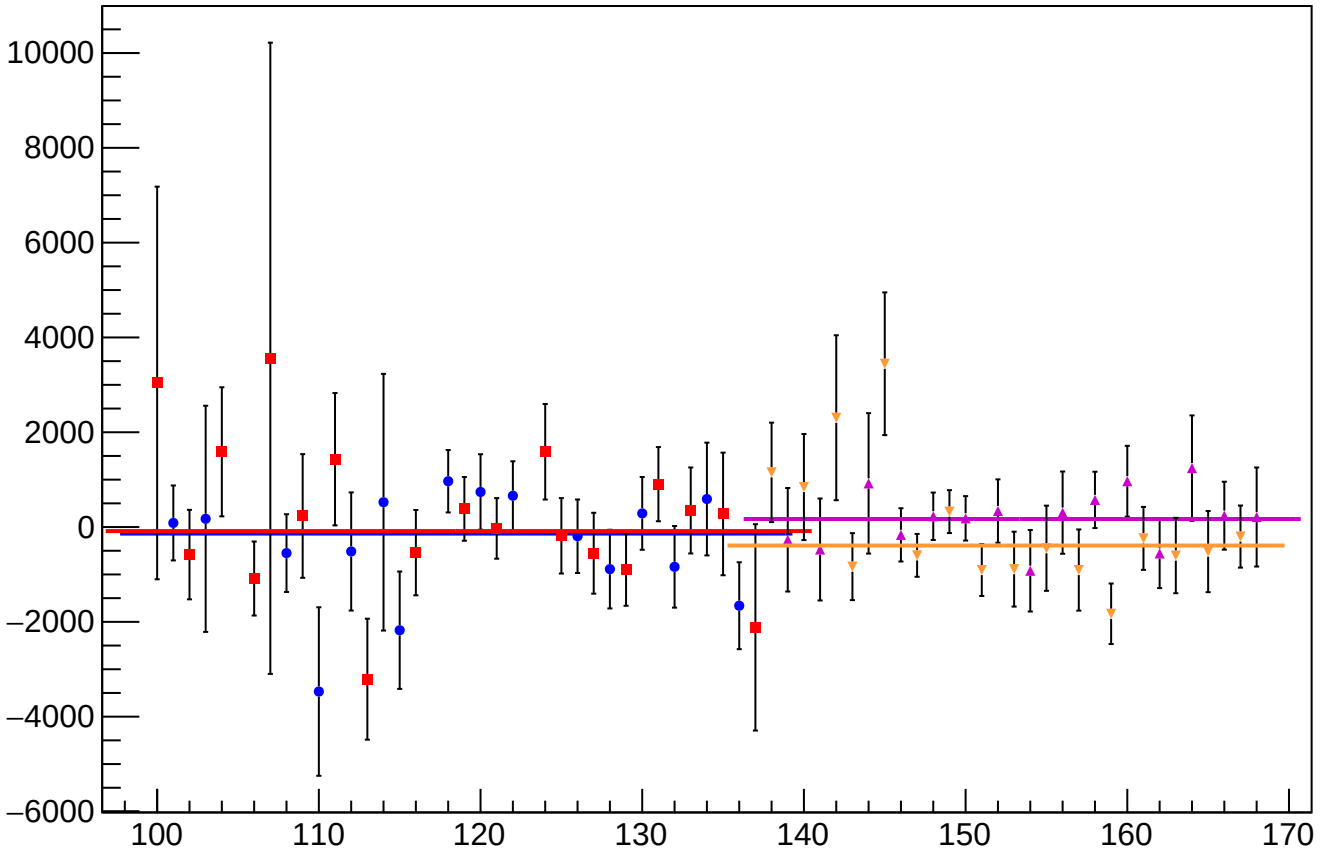
Left: 1818.669+/-0.257 χ^2/NDF: 14221.4/30

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1854.995+/-0.298 χ^2/NDF:677002.1/30

Out: 1871.979+/-0.298 χ^2/NDF:449663.0/34

All: 1863.508+/-0.211 χ^2/NDF: 1128288.4/65



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -389.685+/-177.347 χ^2/NDF:22.3/15

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 169.502+/-185.772 χ^2/NDF:6.4/14

Left: -123.060+/-128.278 χ^2/NDF: 33.5/30

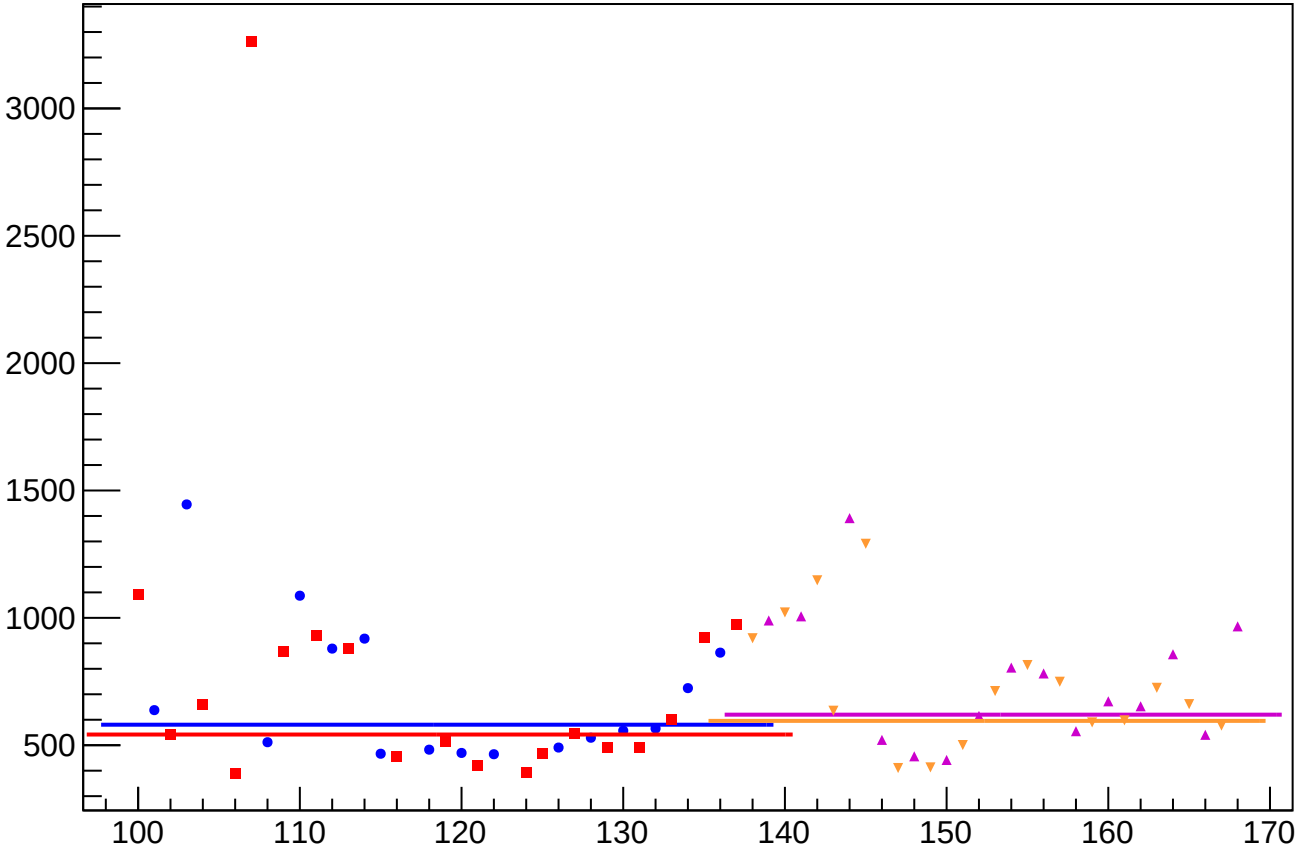
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 48.540+/-144.614 χ^2/NDF:24.3/30

Out: -270.892+/-138.533 χ^2/NDF:42.8/34

All: -118.033+/-100.038 χ^2/NDF: 69.7/65

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 595.552+/-0.125 χ^2/NDF:2130056.2/15

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 619.924+/-0.131 χ^2/NDF:2128936.0/14

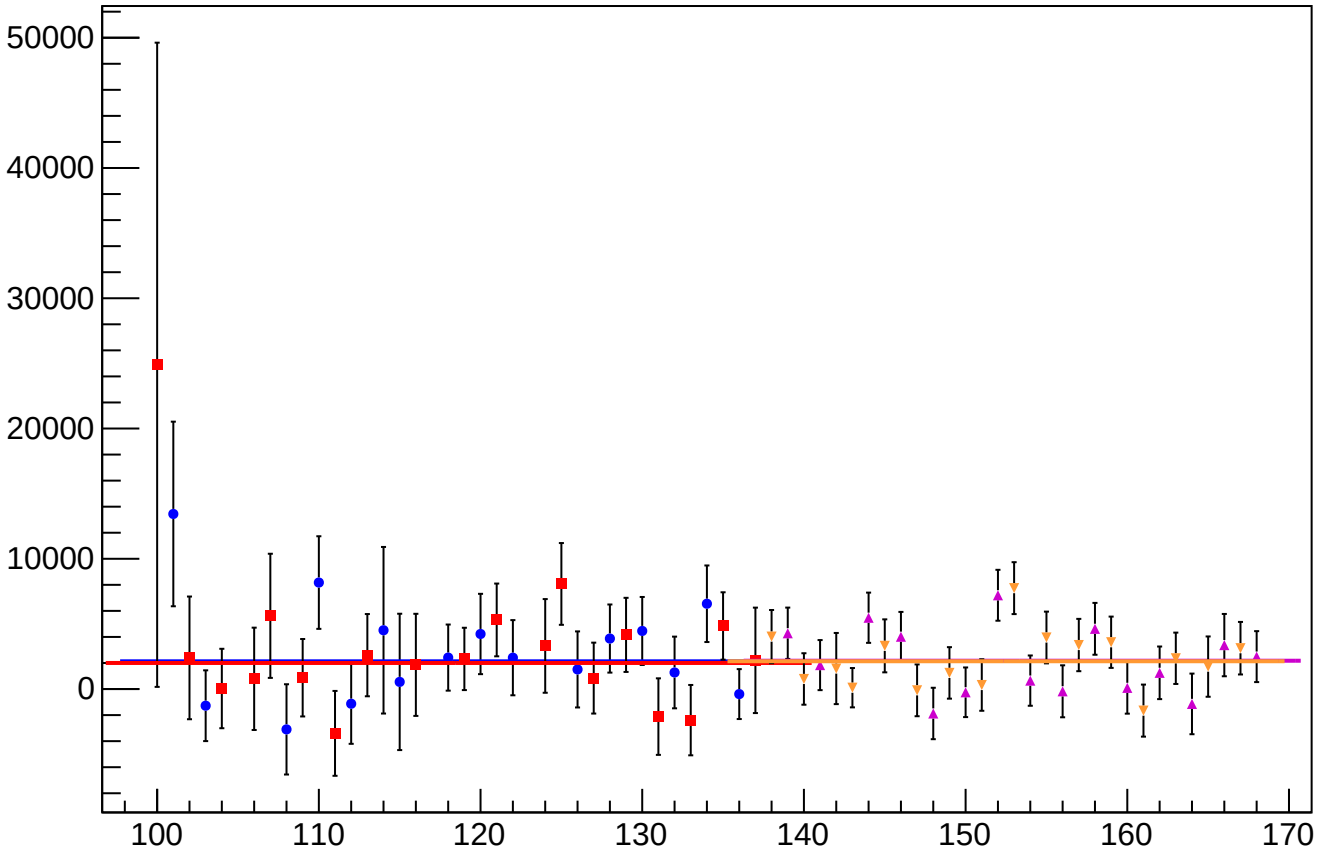
Left: 607.172+/-0.091 χ^2/NDF: 4277001.8/30

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 604.397+/-0.102 χ^2/NDF:3167292.2/30

Out: 574.652+/-0.098 χ^2/NDF:3520157.3/34

All: 588.886+/-0.071 χ^2/NDF: 6731572.2/65



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2134.709+/-498.334 χ^2/NDF:19.4/15

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2173.569+/-515.685 χ^2/NDF:24.6/14

Left: 2153.475+/-358.353 χ^2/NDF: 44.1/30

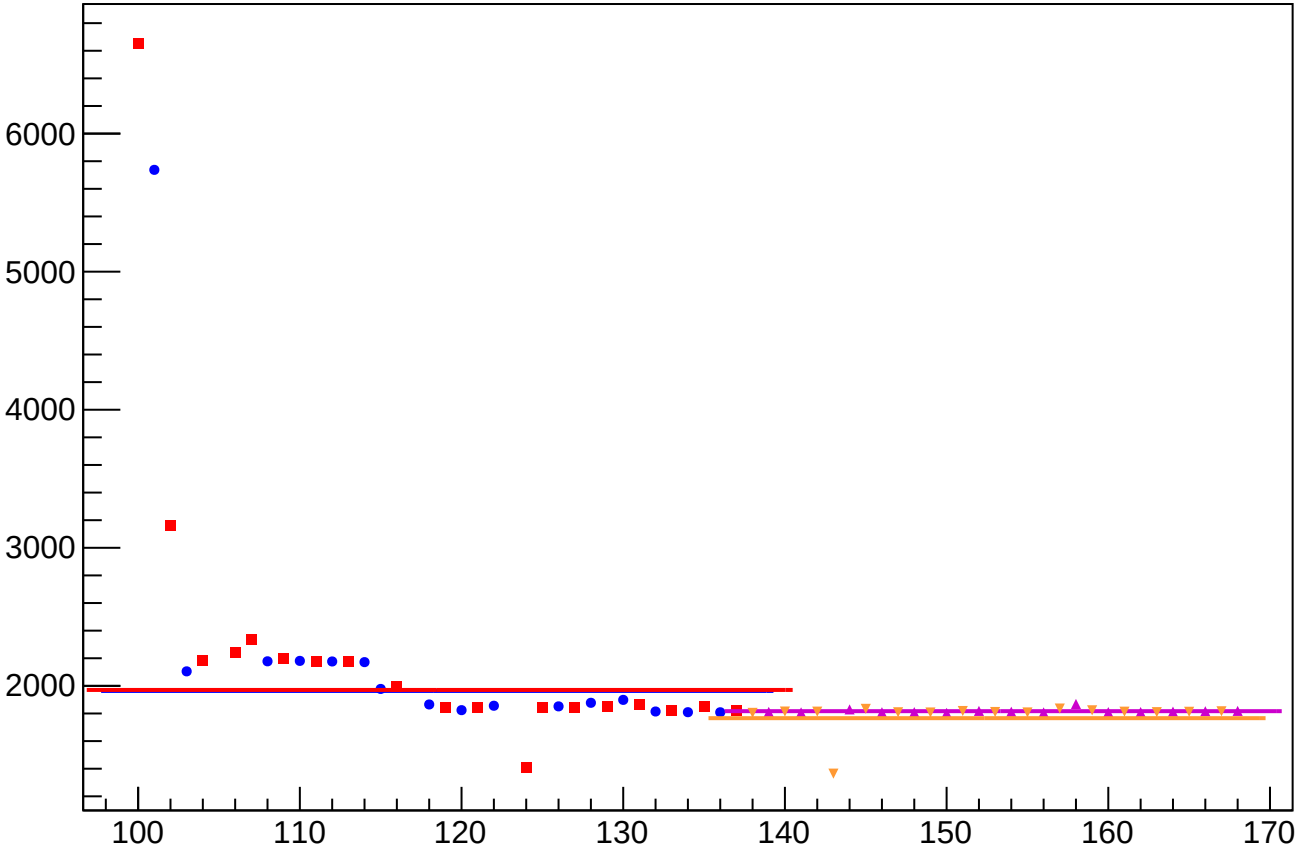
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2159.083+/-424.243 χ^2/NDF:41.1/30

Out: 2093.156+/-412.855 χ^2/NDF:36.2/34

All: 2125.223+/-295.877 χ^2/NDF: 77.3/65

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159504.0/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.781+/-0.365 χ^2/NDF:1757.9/14

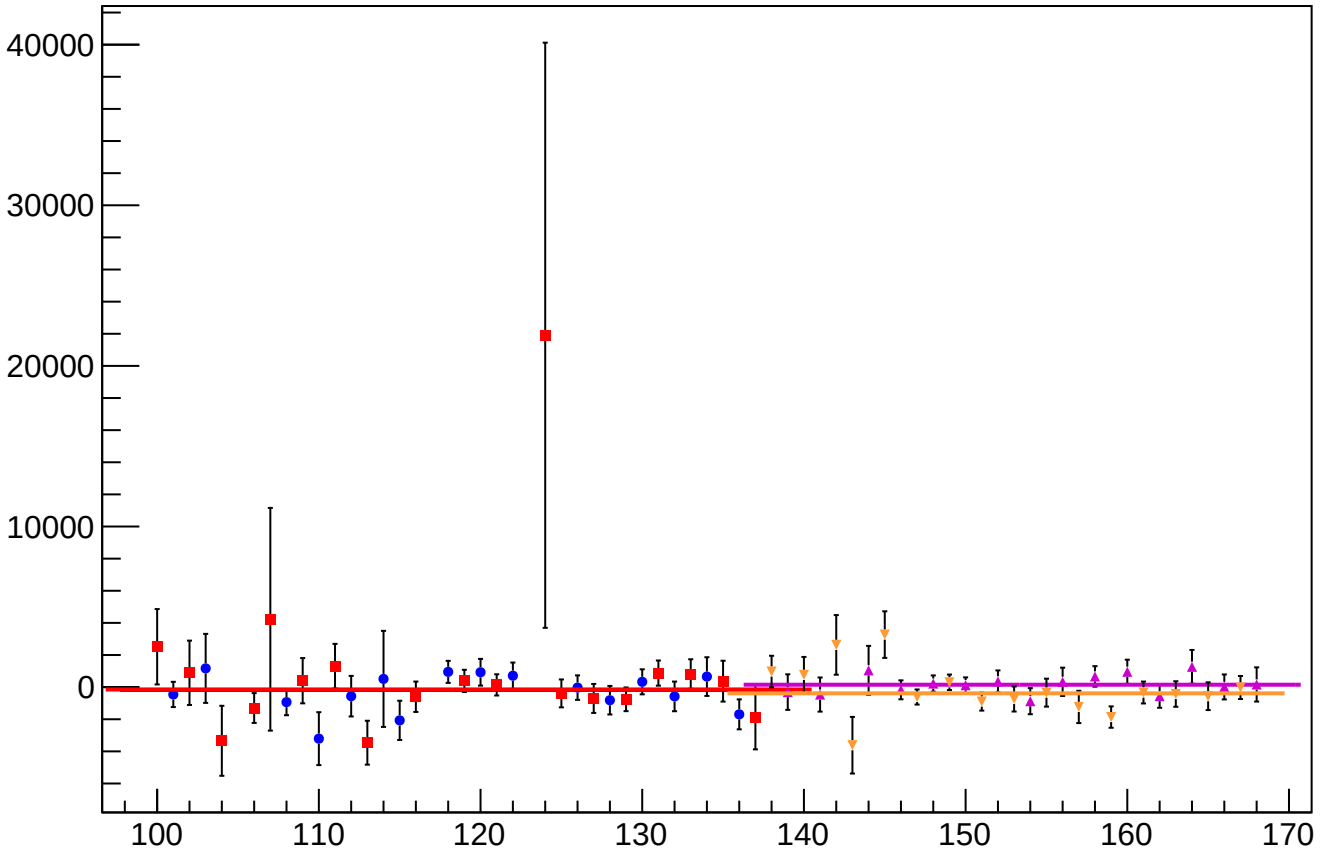
Left: 1790.532+/-0.253 χ^2/NDF: 171282.4/30

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1864.173+/-0.300 χ^2/NDF:694275.9/30

Out: 1830.141+/-0.292 χ^2/NDF:610208.3/34

All: 1846.694+/-0.209 χ^2/NDF: 1311094.4/65



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -385.779+/-188.461 χ^2/NDF:24.6/15

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 150.079+/-190.204 χ^2/NDF:6.8/14

Left: -120.316+/-133.874 χ^2/NDF: 35.4/30

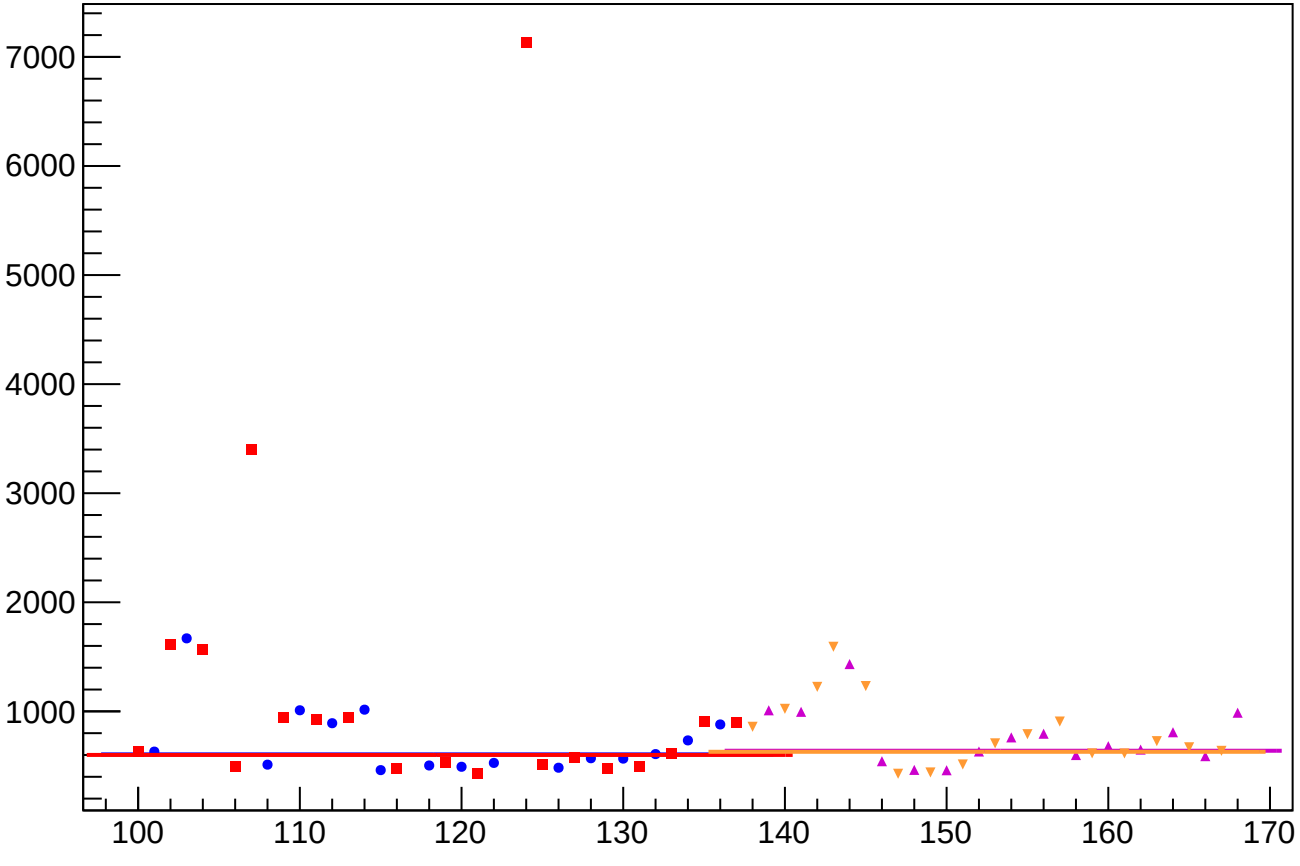
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 24.326+/-148.318 χ^2/NDF:25.2/30

Out: -296.211+/-148.887 χ^2/NDF:45.3/34

All: -135.329+/-105.077 χ^2/NDF: 72.8/65

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 629.286+/-0.133 χ^2/NDF:2542808.2/15

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 638.830+/-0.134 χ^2/NDF:1955748.3/14

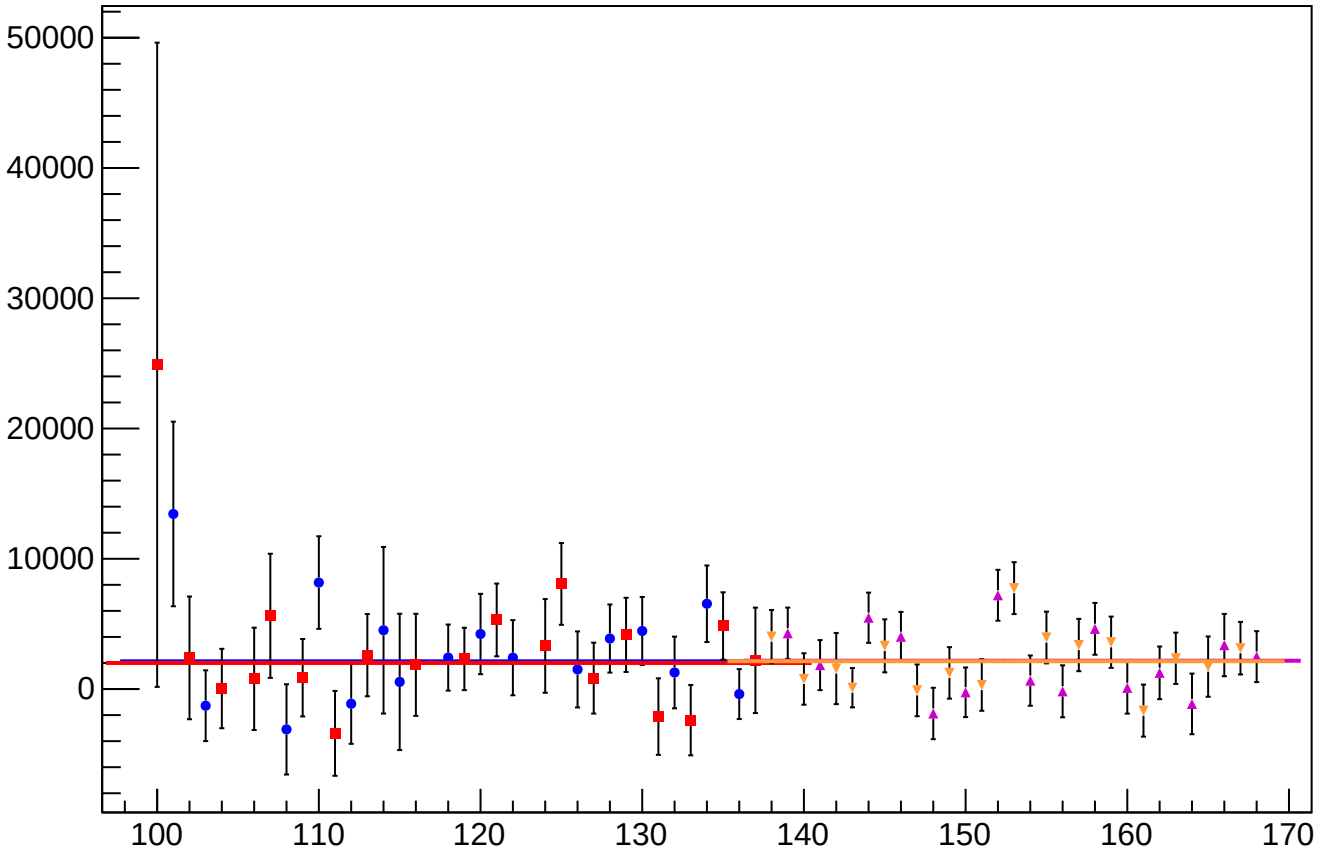
Left: 634.014+/-0.095 χ^2/NDF: 4501097.6/30

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 625.739+/-0.105 χ^2/NDF:3142374.6/30

Out: 618.446+/-0.105 χ^2/NDF:4888935.4/34

All: 622.106+/-0.074 χ^2/NDF: 8033718.8/65



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2134.710+/-498.334 χ^2/NDF:19.4/15

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2173.569+/-515.685 χ^2/NDF:24.6/14

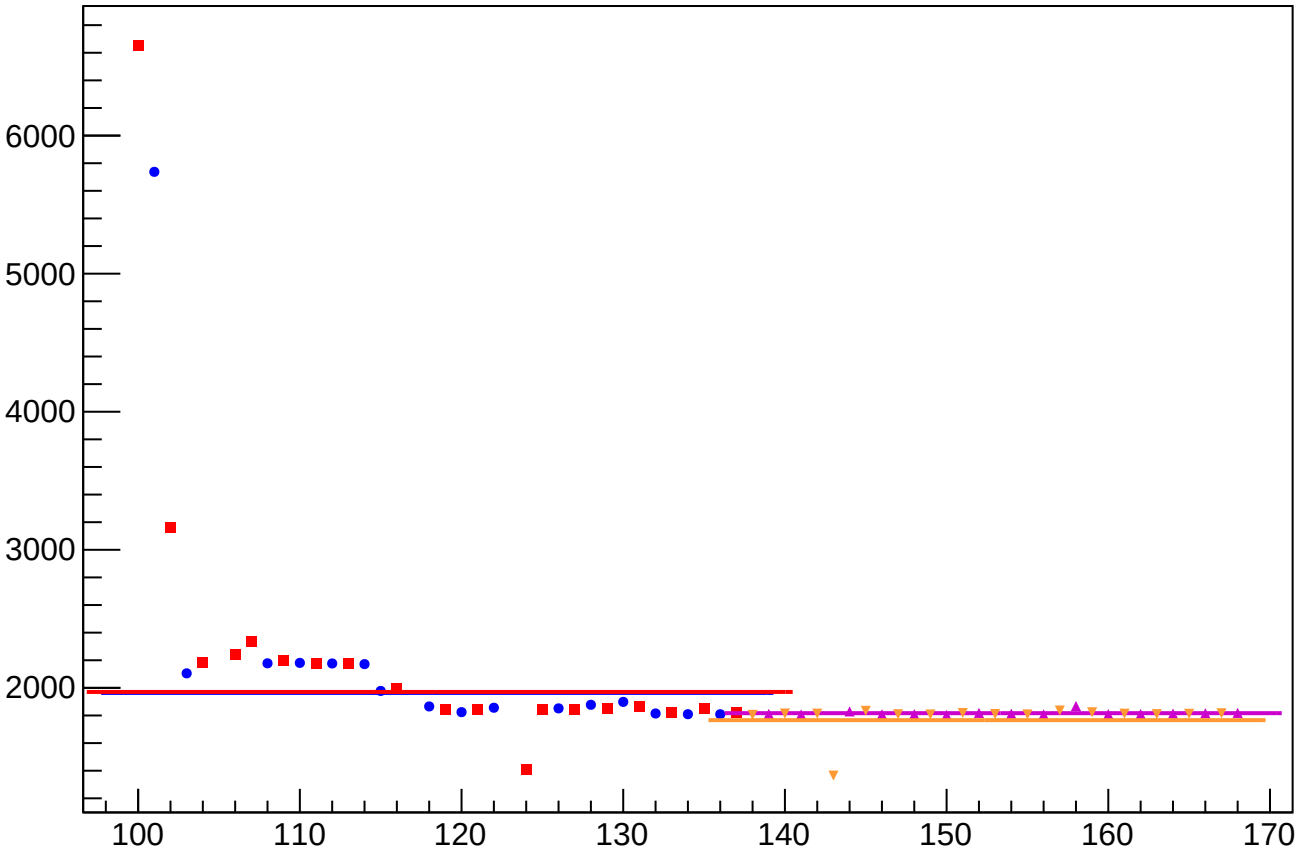
Left: 2153.475+/-358.353 χ^2/NDF: 44.1/30

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2159.082+/-424.243 χ^2/NDF:41.1/30

Out: 2093.155+/-412.855 χ^2/NDF:36.2/34

All: 2125.222+/-295.877 χ^2/NDF: 77.3/65



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1766.020+/-0.352 χ^2/NDF:159503.9/15

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.781+/-0.365 χ^2/NDF:1757.9/14

Left: 1790.532+/-0.253 χ^2/NDF: 171282.4/30

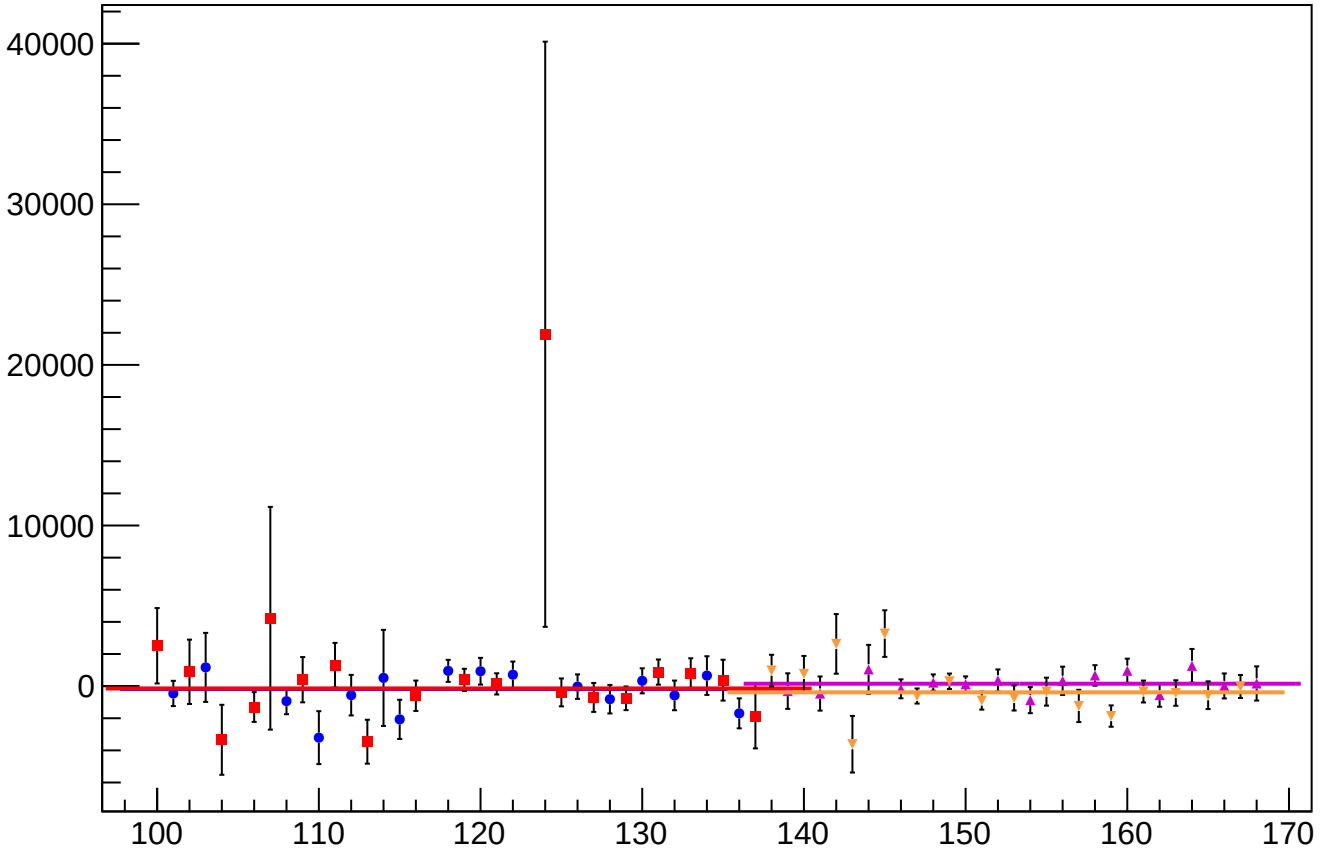
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1864.173+/-0.300 χ^2/NDF:694275.5/30

Out: 1830.140+/-0.292 χ^2/NDF:610206.7/34

All: 1846.694+/-0.209 χ^2/NDF: 1311092.4/65

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: -385.780+/-188.461 χ^2/NDF:24.6/15

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 150.079+/-190.204 χ^2/NDF:6.8/14

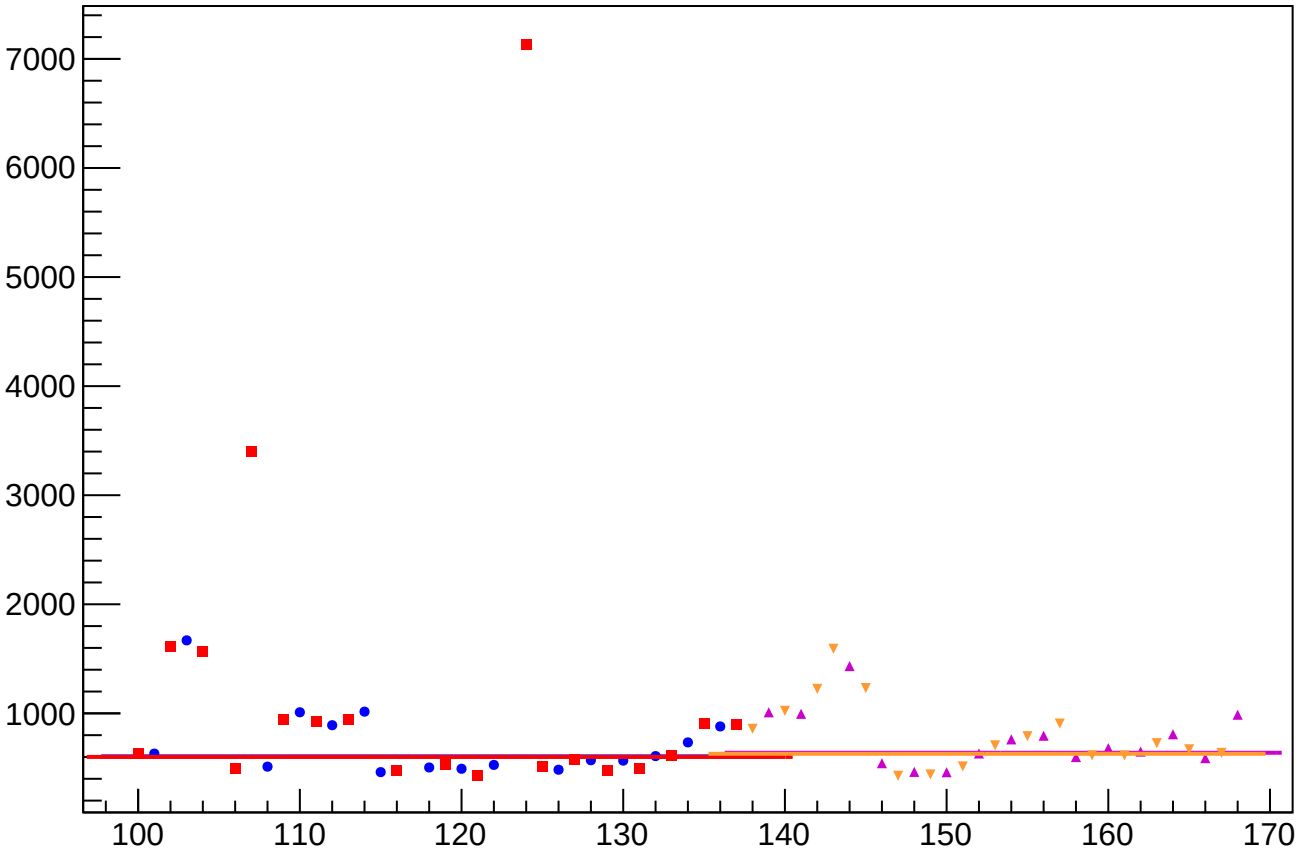
Left: -120.317+/-133.874 χ^2/NDF: 35.4/30

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 24.326+/-148.318 χ^2/NDF:25.2/30

Out: -296.211+/-148.887 χ^2/NDF:45.3/34

All: -135.329+/-105.077 χ^2/NDF: 72.8/65



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 629.287+/-0.133 χ^2/NDF:2542800.3/15

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 638.831+/-0.134 χ^2/NDF:1955743.3/14

Left: 634.015+/-0.095 χ^2/NDF: 4501084.6/30

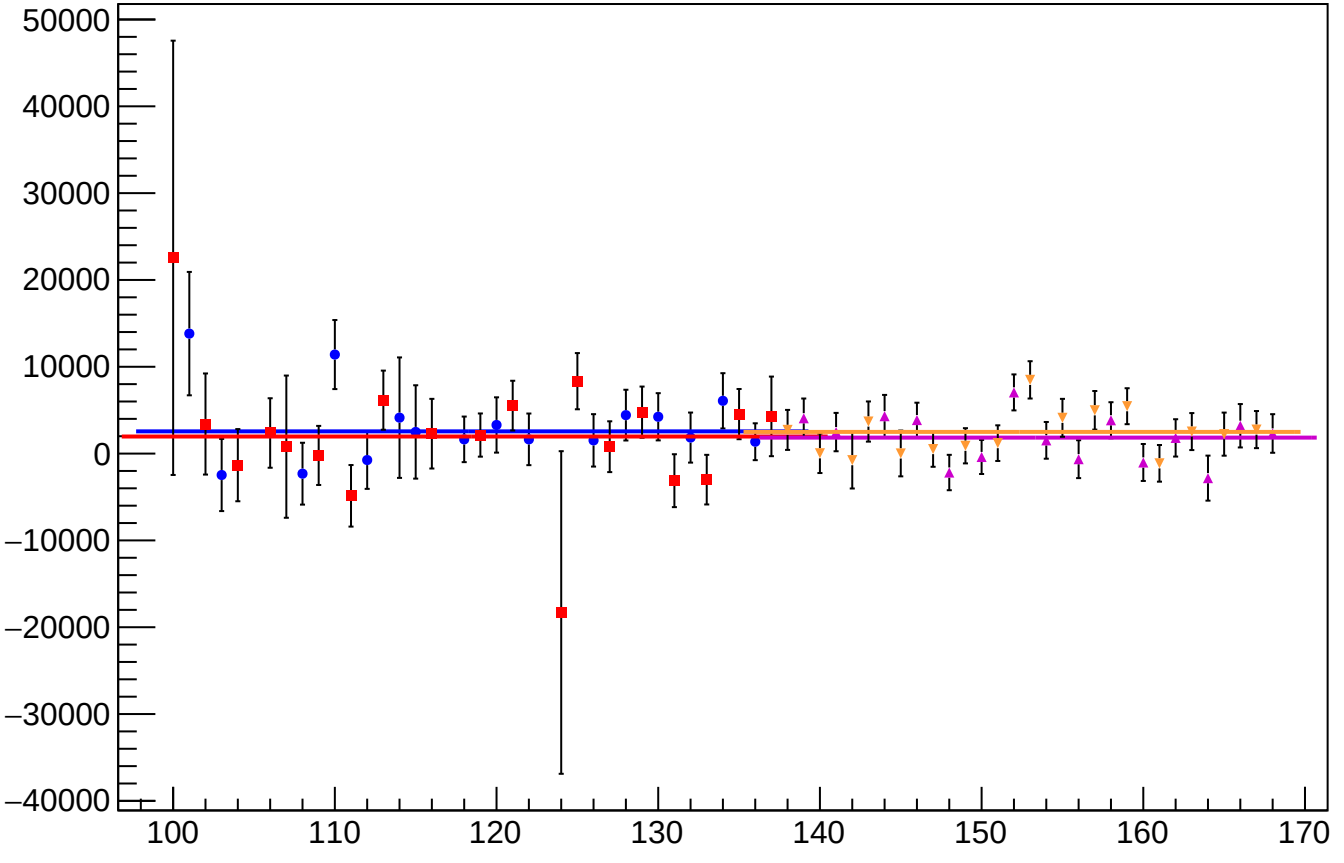
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 625.739+/-0.105 χ^2/NDF:3142380.6/30

Out: 618.446+/-0.105 χ^2/NDF:4888937.9/34

All: 622.107+/-0.074 χ^2/NDF: 8033727.2/65

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2498.086+/-557.745 χ^2/NDF:19.9/15

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1839.529+/-562.362 χ^2/NDF:22.2/14

Left: 2171.522+/-396.008 χ^2/NDF: 42.8/30

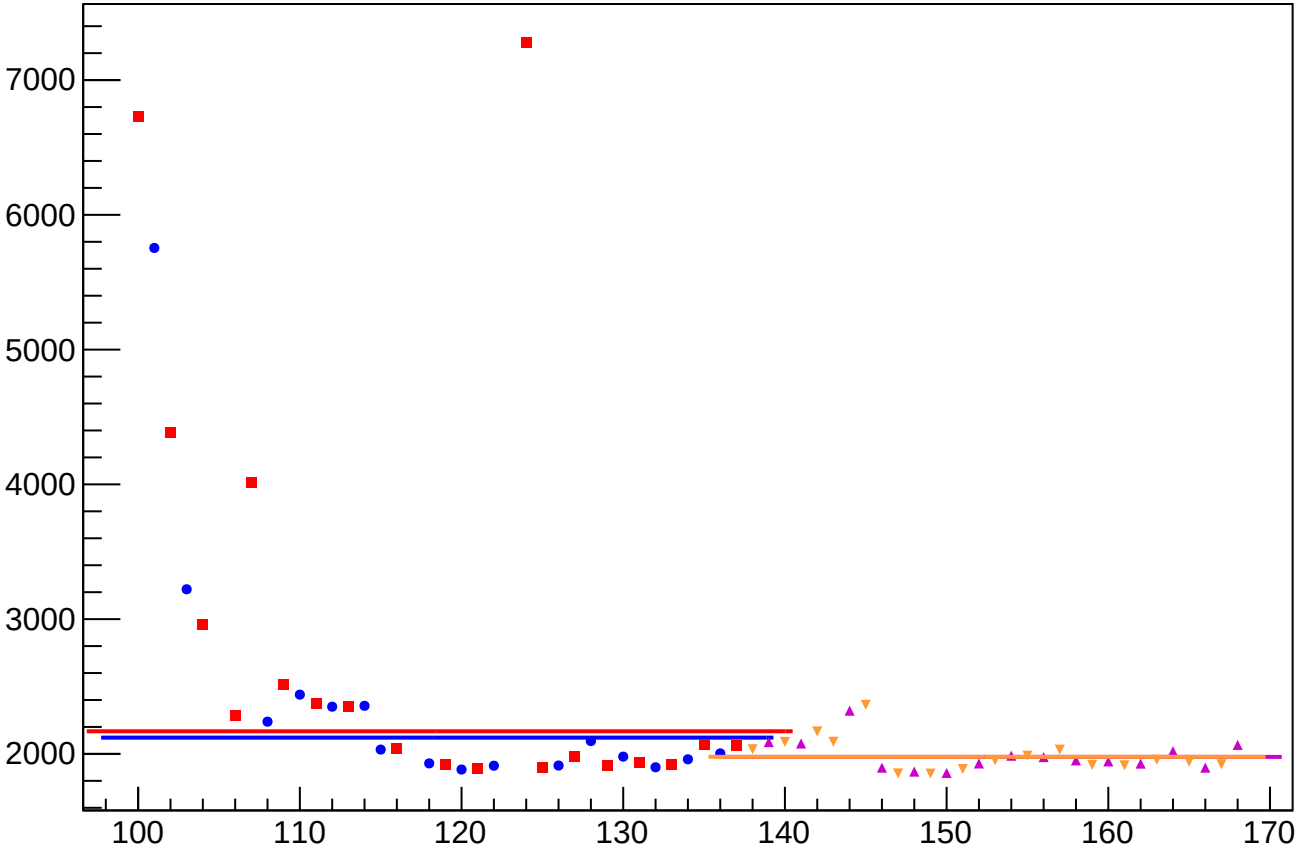
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2074.307+/-461.881 χ^2/NDF:37.4/30

Out: 2329.690+/-460.969 χ^2/NDF:41.8/34

All: 2202.251+/-326.276 χ^2/NDF: 79.3/65

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1978.361+/-0.394 χ^2/NDF:85596.7/15

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1977.638+/-0.398 χ^2/NDF:73006.5/14

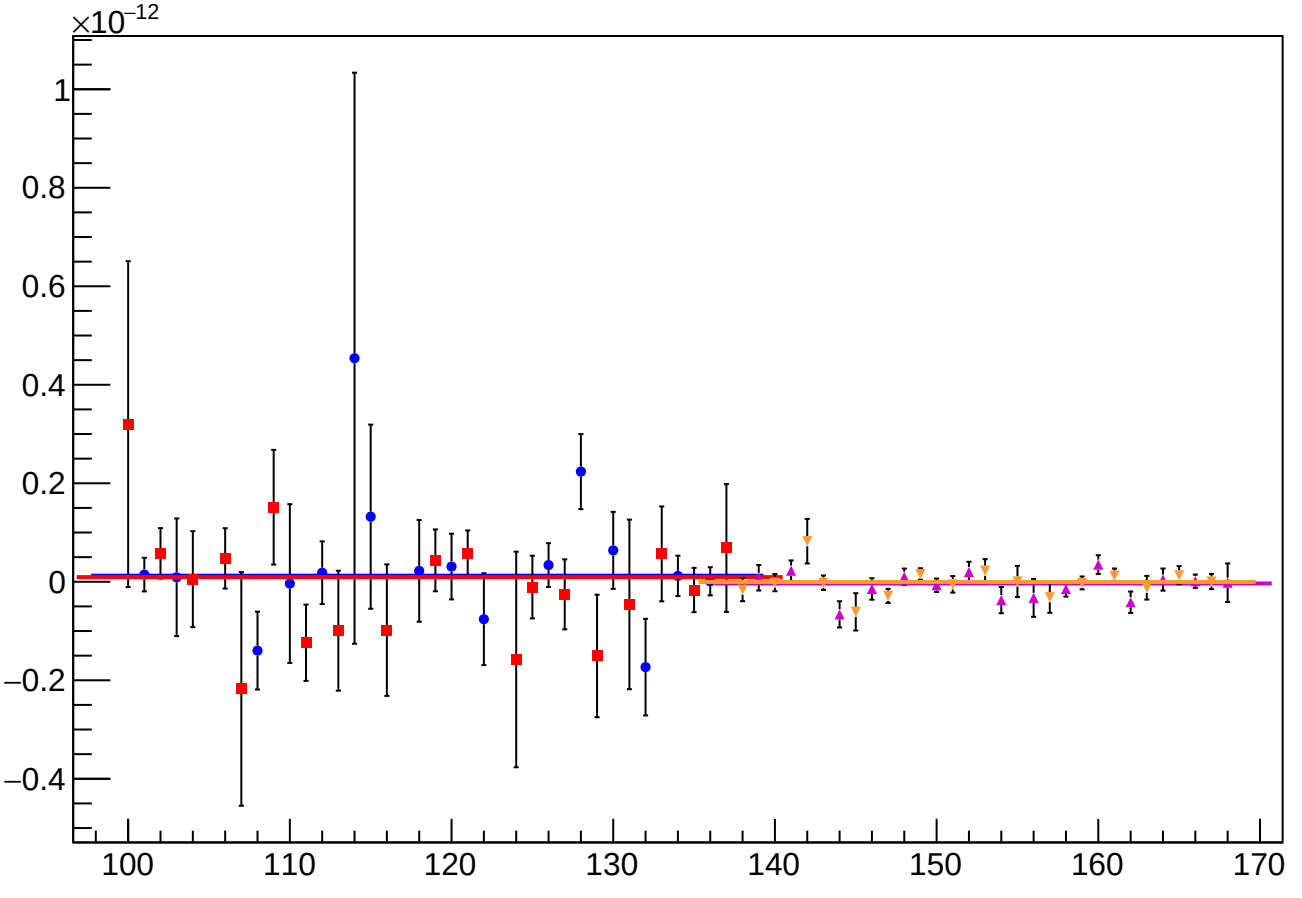
Left: 1978.002+/-0.280 χ^2/NDF: 158604.9/30

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2024.220+/-0.327 χ^2/NDF:875142.6/30

Out: 2038.410+/-0.326 χ^2/NDF:982674.9/34

All: 2031.329+/-0.231 χ^2/NDF: 1858763.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/14

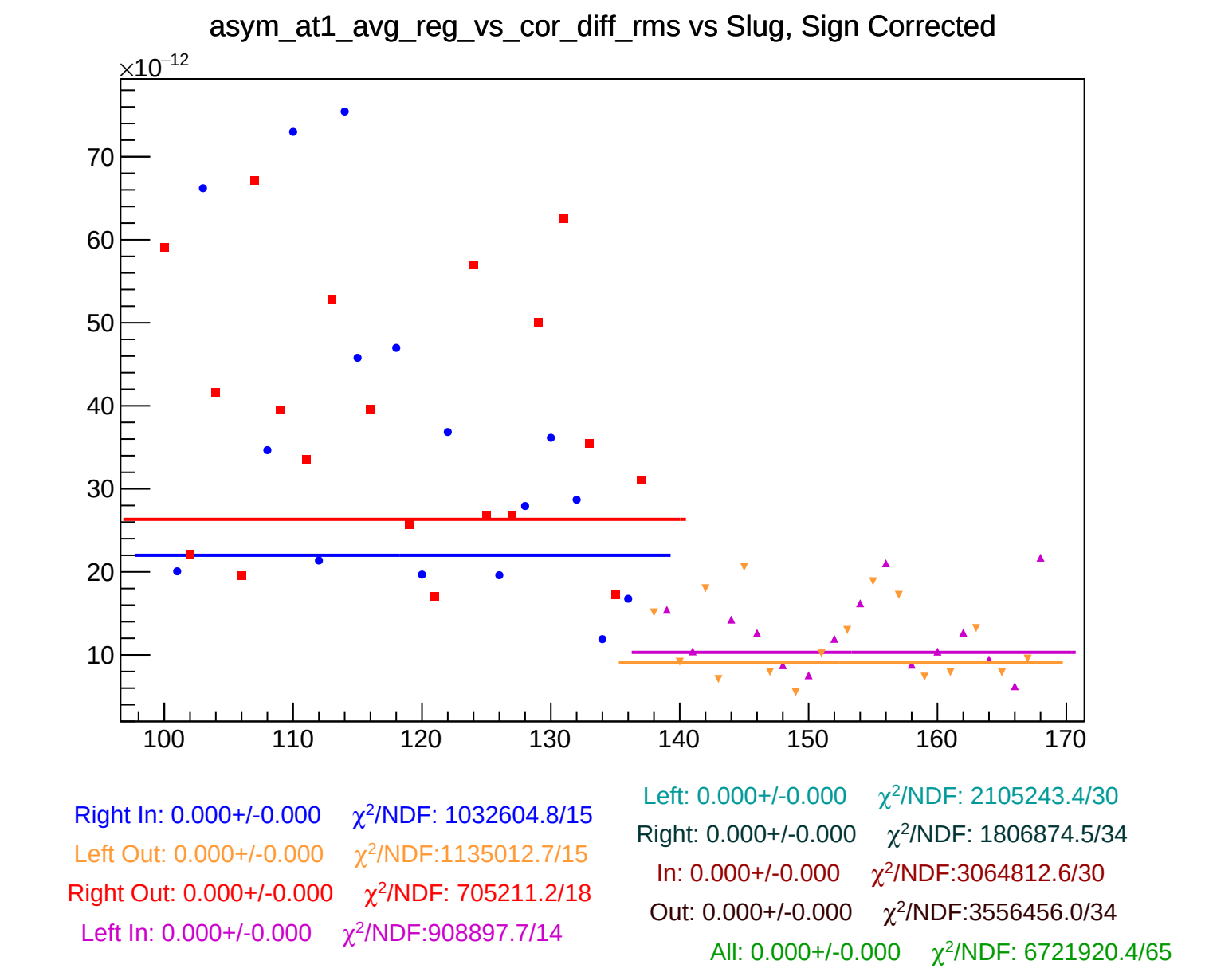
Left: -0.000+/-0.000 χ^2/NDF: 35.6/30

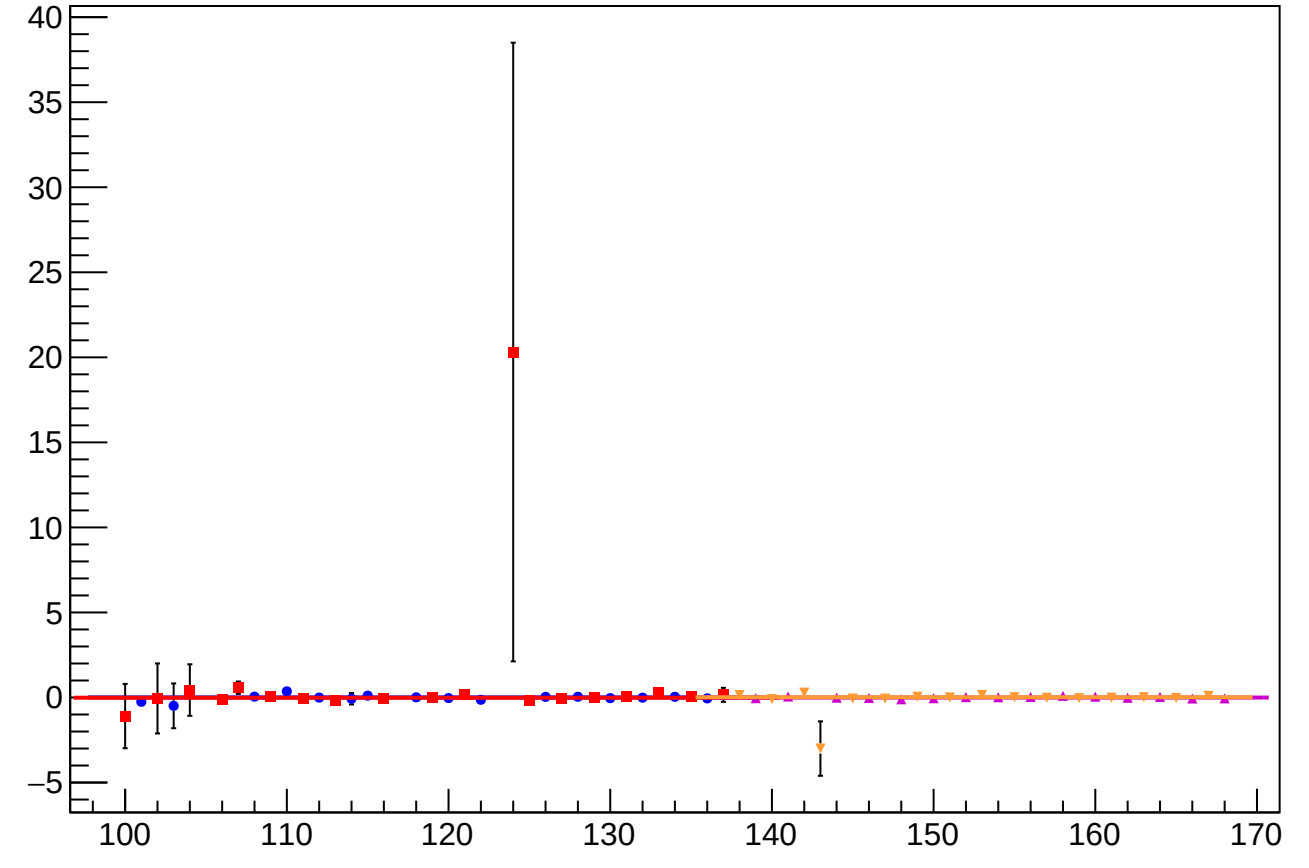
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:38.4/30

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: -0.000+/-0.000 χ^2/NDF: 68.3/65


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1135012.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:908897.7/14
Left: 0.000+/-0.000 χ²/NDF: 2105243.4/30
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3064812.6/30
Out: 0.000+/-0.000 χ²/NDF:3556456.0/34
All: 0.000+/-0.000 χ²/NDF: 6721920.4/65



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.003+/-0.015 χ^2/NDF:13.4/14

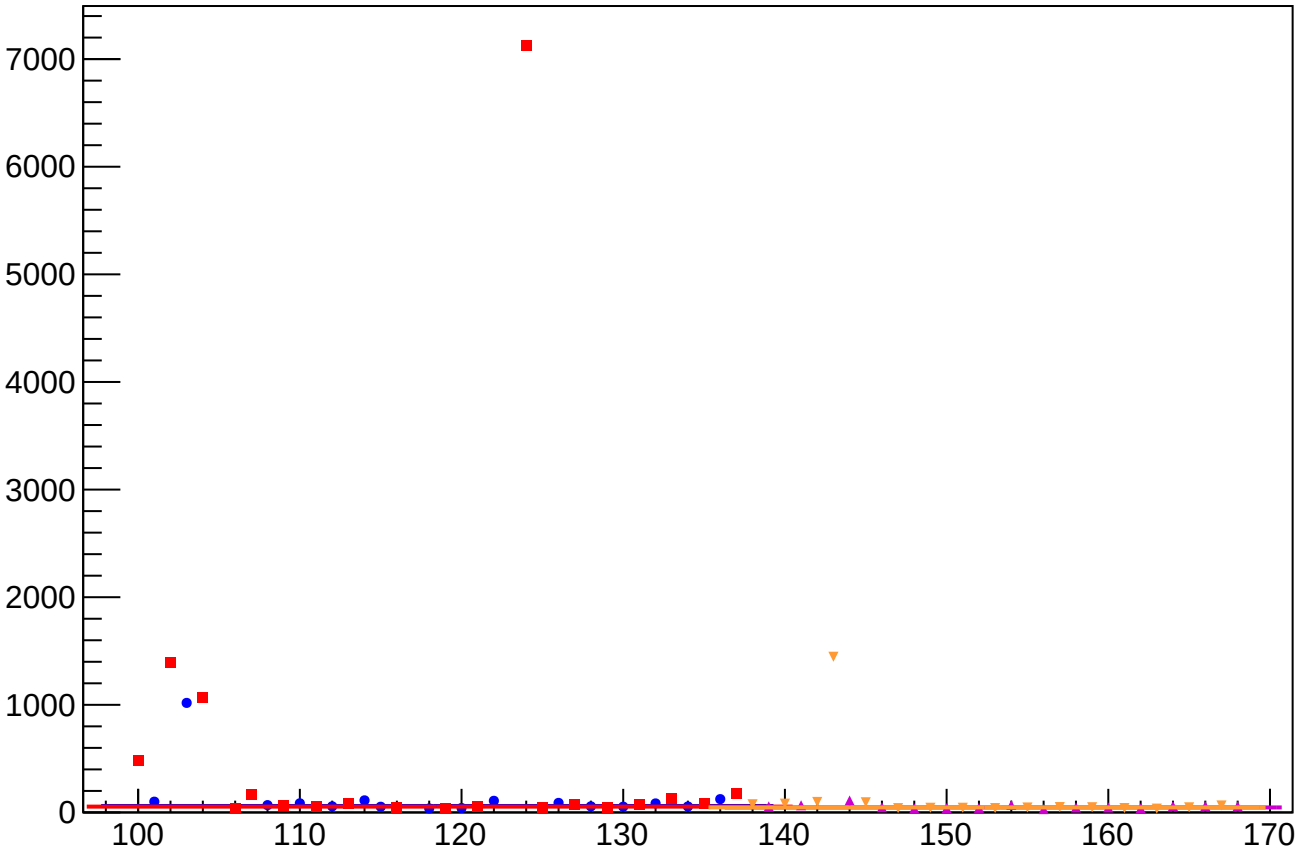
Left: 0.006+/-0.011 χ^2/NDF: 38.4/30

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.013 χ^2/NDF:24.8/30

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.003+/-0.009 χ^2/NDF: 67.8/65



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928819.1/15

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.597+/-0.011 χ^2/NDF:1538497.3/14

Left: 46.782+/-0.008 χ^2/NDF: 4467951.3/30

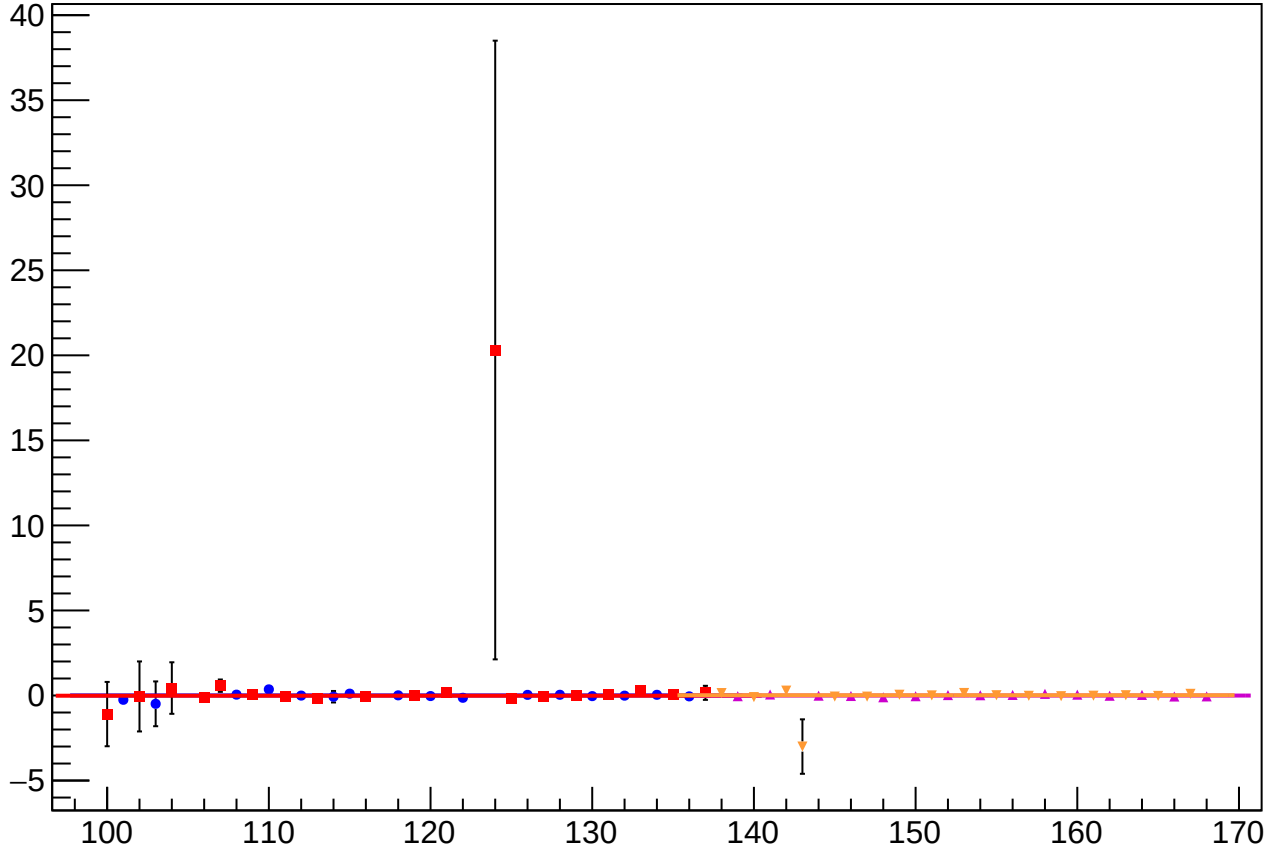
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.751+/-0.009 χ^2/NDF:4451696.5/30

Out: 48.874+/-0.009 χ^2/NDF:6567713.9/34

All: 49.317+/-0.007 χ^2/NDF: 11023882.8/65

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: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.003+/-0.015 χ^2/NDF:13.4/14

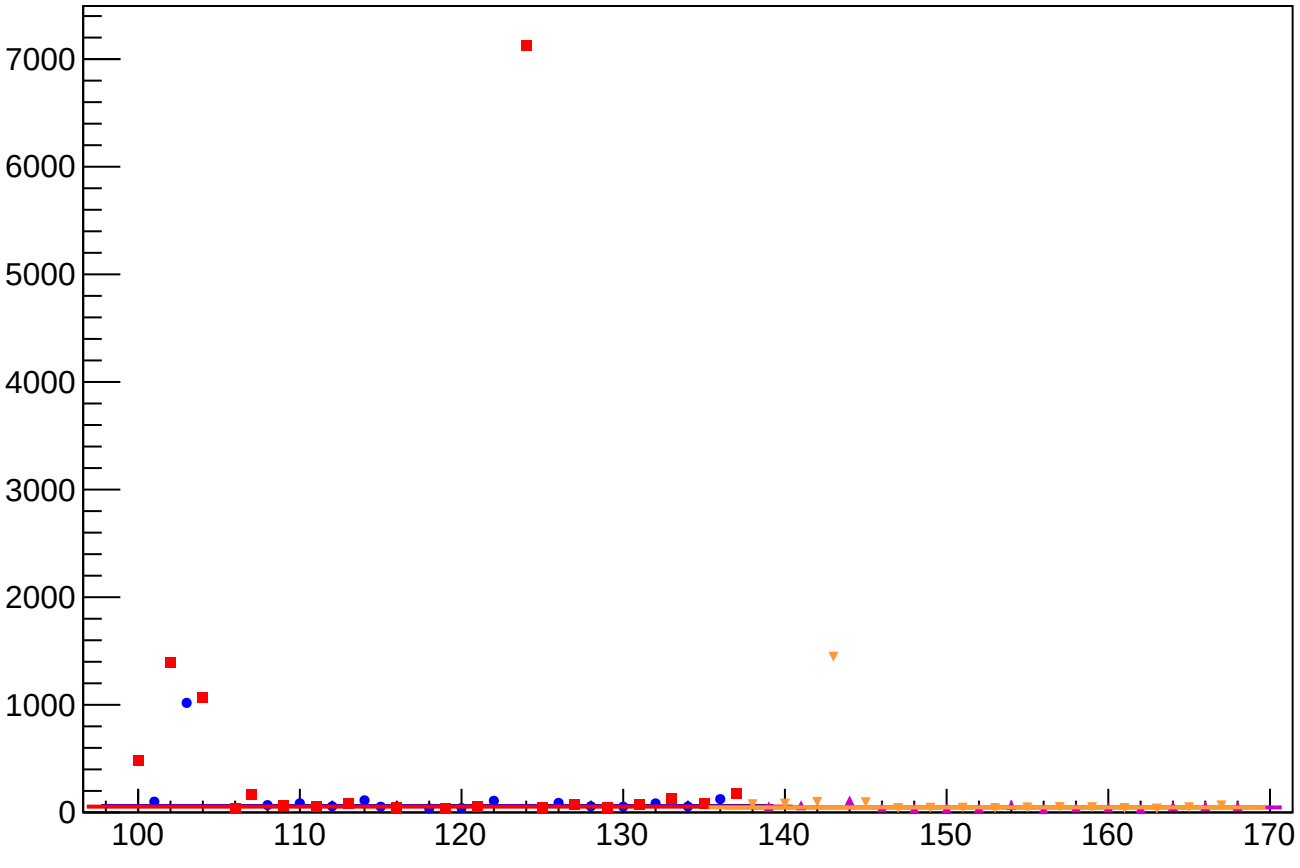
Left: 0.006+/-0.011 χ^2/NDF: 38.4/30

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.013 χ^2/NDF:24.8/30

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.003+/-0.009 χ^2/NDF: 67.8/65



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928819.1/15

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.597+/-0.011 χ^2/NDF:1538497.3/14

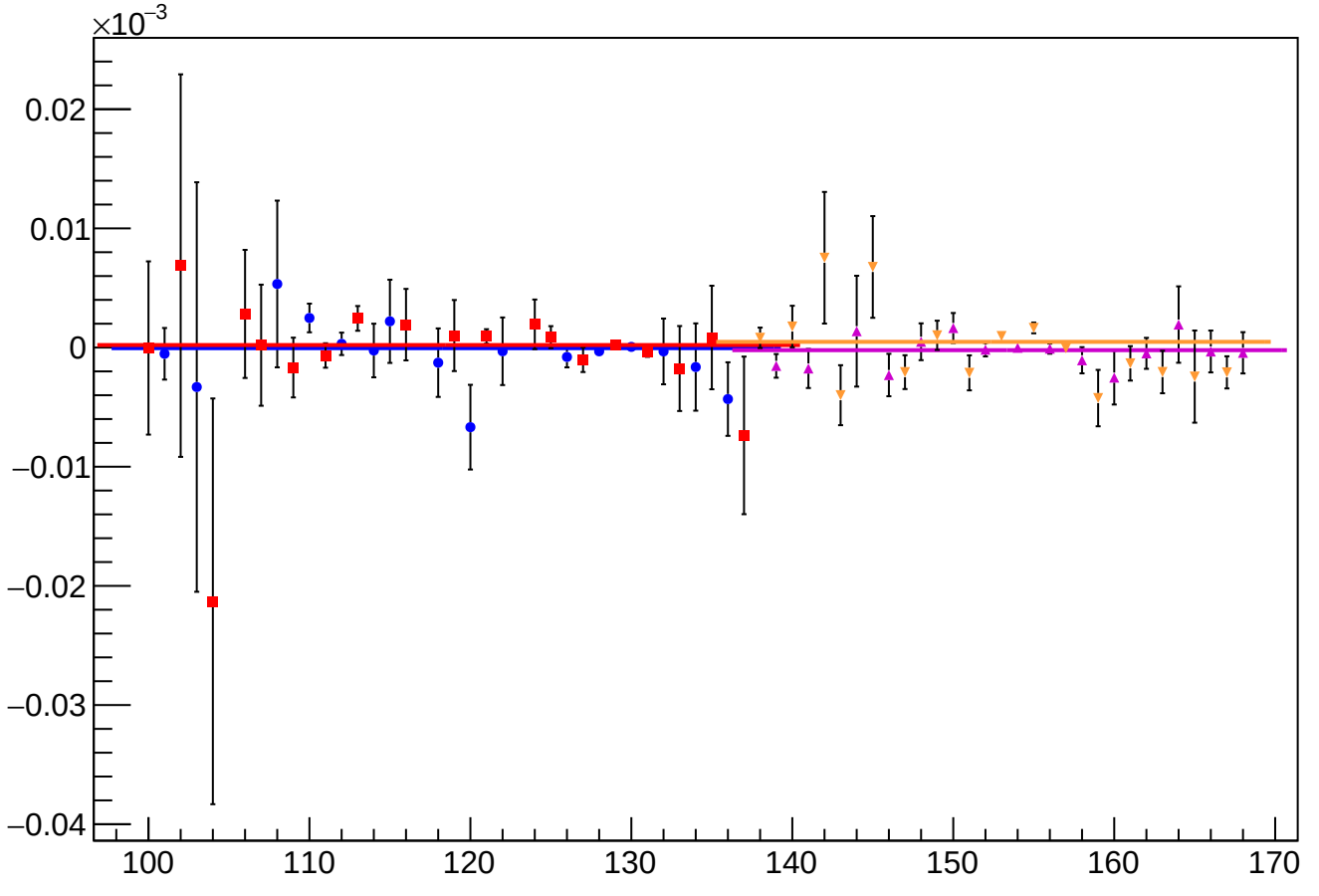
Left: 46.782+/-0.008 χ^2/NDF: 4467951.3/30

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.751+/-0.009 χ^2/NDF:4451696.5/30

Out: 48.874+/-0.009 χ^2/NDF:6567713.9/34

All: 49.317+/-0.007 χ^2/NDF: 11023882.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/14

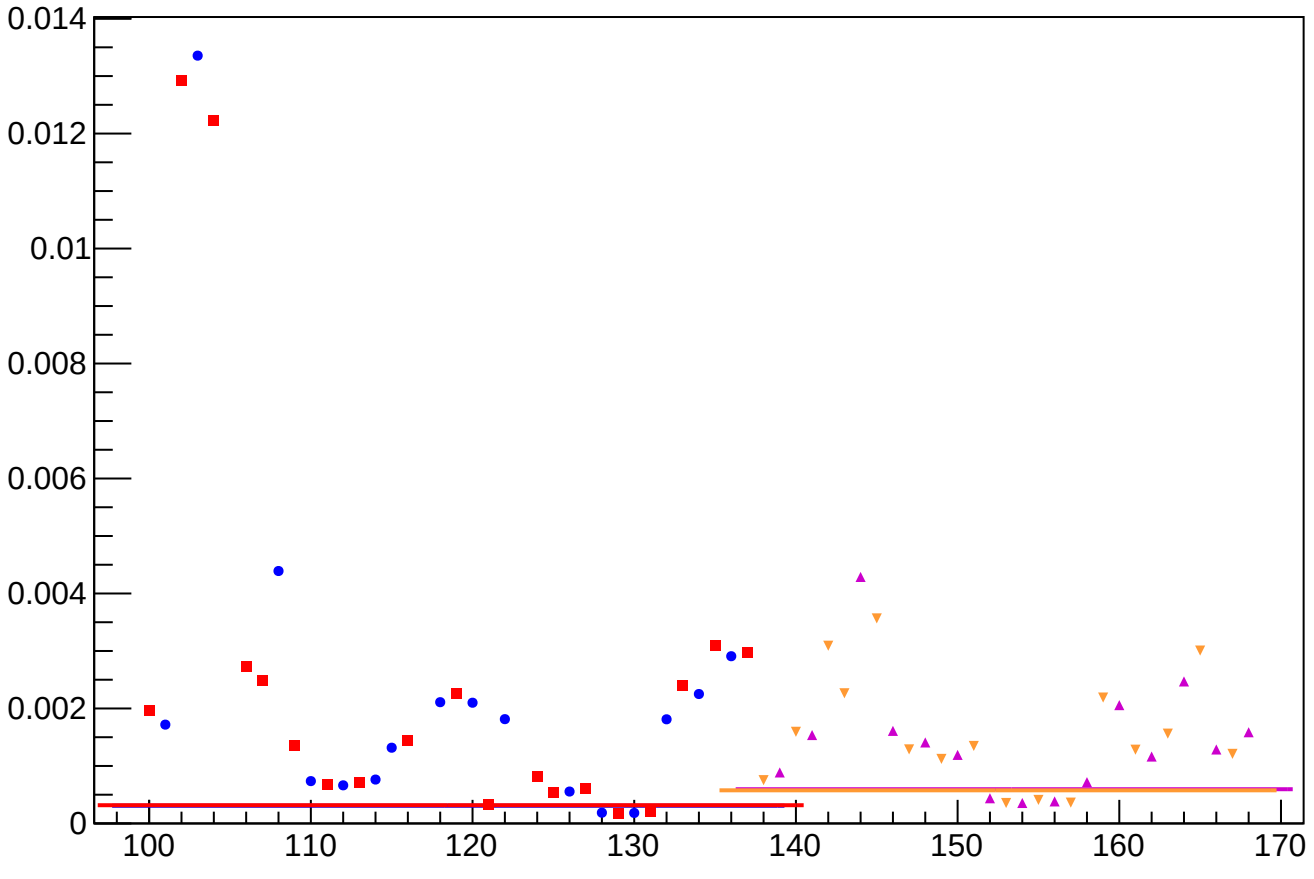
Left: 0.000+/-0.000 χ^2/NDF: 50.4/30

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.2/30

Out: 0.000+/-0.000 χ^2/NDF:52.6/34

All: 0.000+/-0.000 χ^2/NDF: 79.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9252315.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:8085131.7/14

Left: 0.001+/-0.000 χ^2/NDF: 17345323.0/30

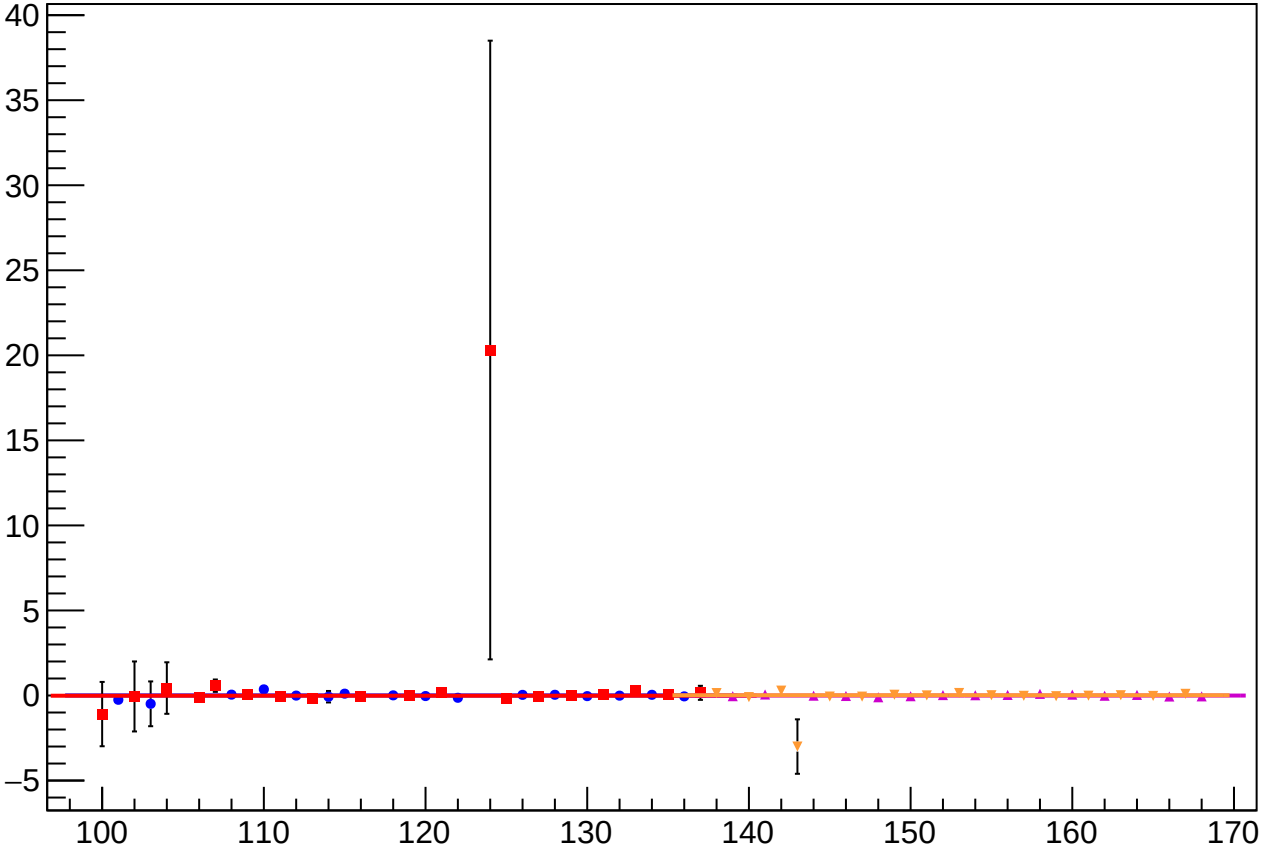
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:18765962.8/30

Out: 0.000+/-0.000 χ^2/NDF:18930125.7/34

All: 0.000+/-0.000 χ^2/NDF: 37696403.0/65

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: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.003+/-0.015 χ^2/NDF:13.4/14

Left: 0.006+/-0.011 χ^2/NDF: 38.4/30

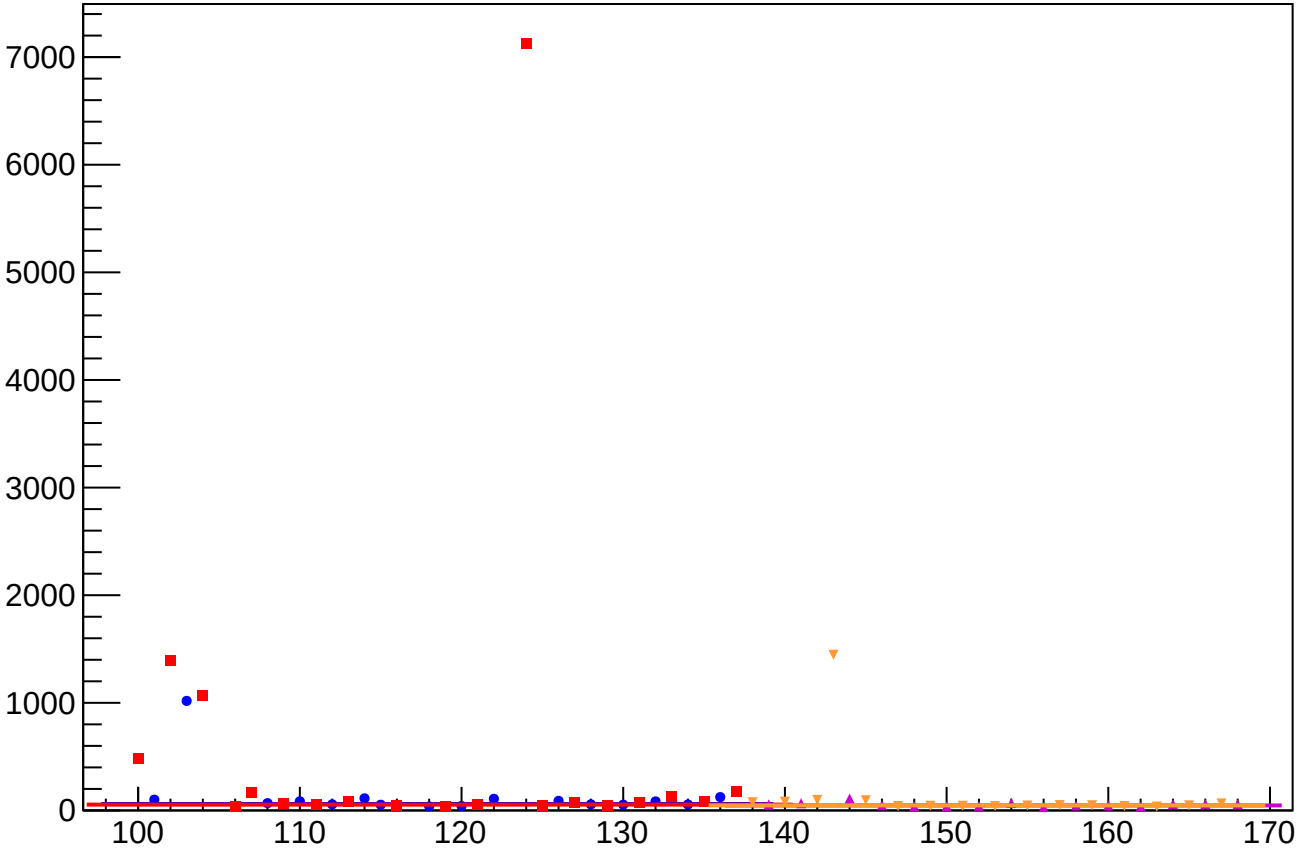
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.013 χ^2/NDF:24.8/30

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.003+/-0.009 χ^2/NDF: 67.8/65

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: 46.978+/-0.011 χ^2/NDF:2928806.1/15

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.597+/-0.011 χ^2/NDF:1538504.2/14

Left: 46.783+/-0.008 χ^2/NDF: 4467946.0/30

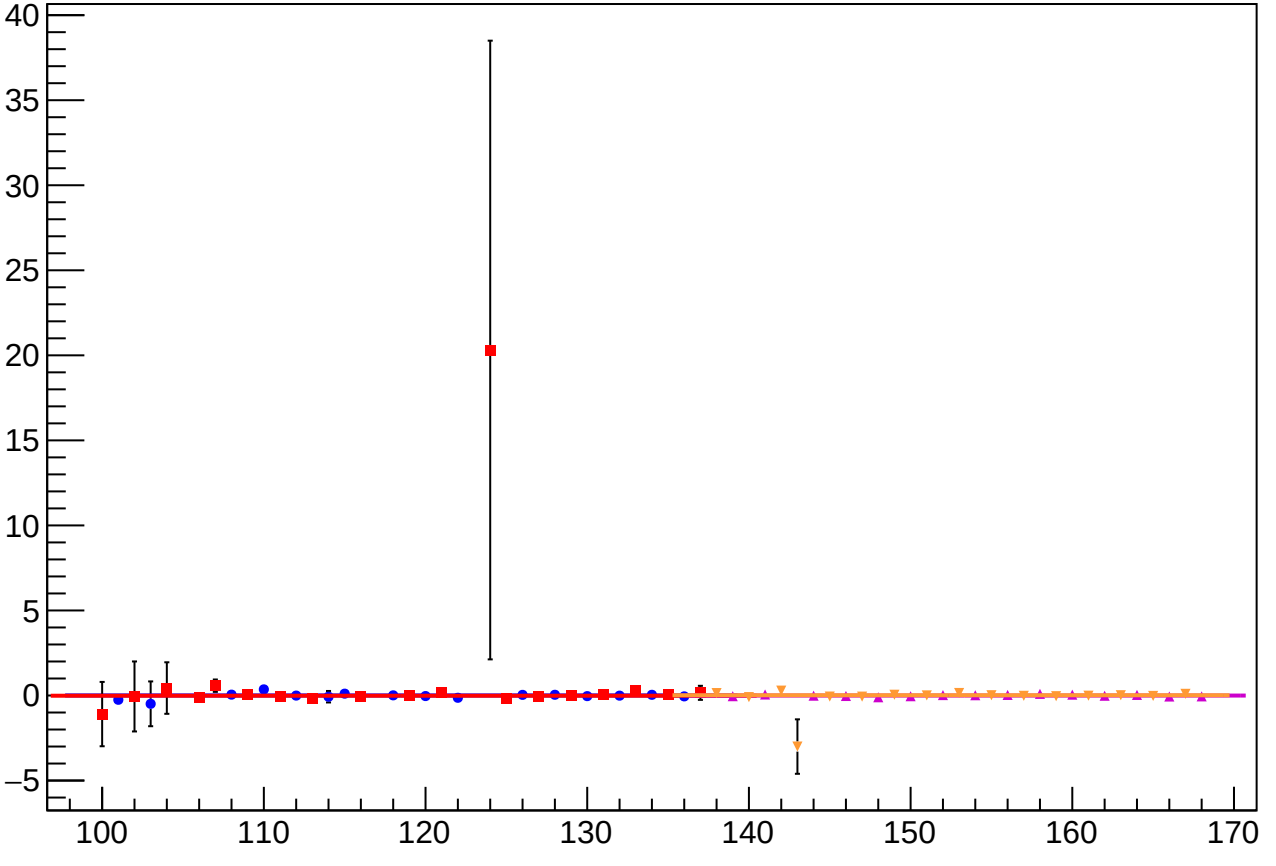
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.751+/-0.009 χ^2/NDF:4451708.5/30

Out: 48.874+/-0.009 χ^2/NDF:6567722.2/34

All: 49.317+/-0.007 χ^2/NDF: 11023903.3/65

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: 0.016+/-0.015 χ^2/NDF:24.3/15

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.003+/-0.015 χ^2/NDF:13.4/14

Left: 0.006+/-0.011 χ^2/NDF: 38.4/30

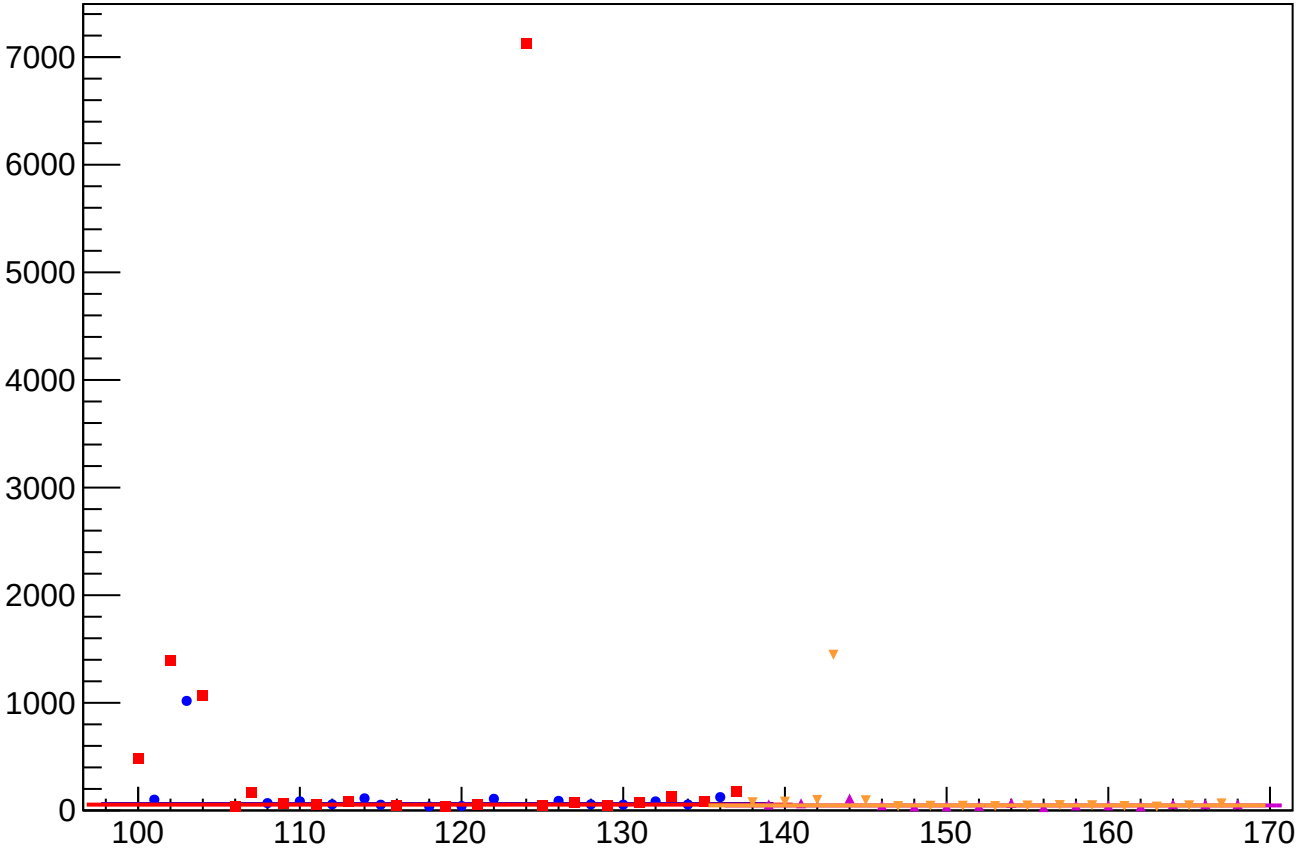
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.002+/-0.013 χ^2/NDF:24.8/30

Out: 0.008+/-0.013 χ^2/NDF:42.7/34

All: 0.003+/-0.009 χ^2/NDF: 67.8/65

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.978+/-0.011 χ^2/NDF:2928806.1/15

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.597+/-0.011 χ^2/NDF:1538504.2/14

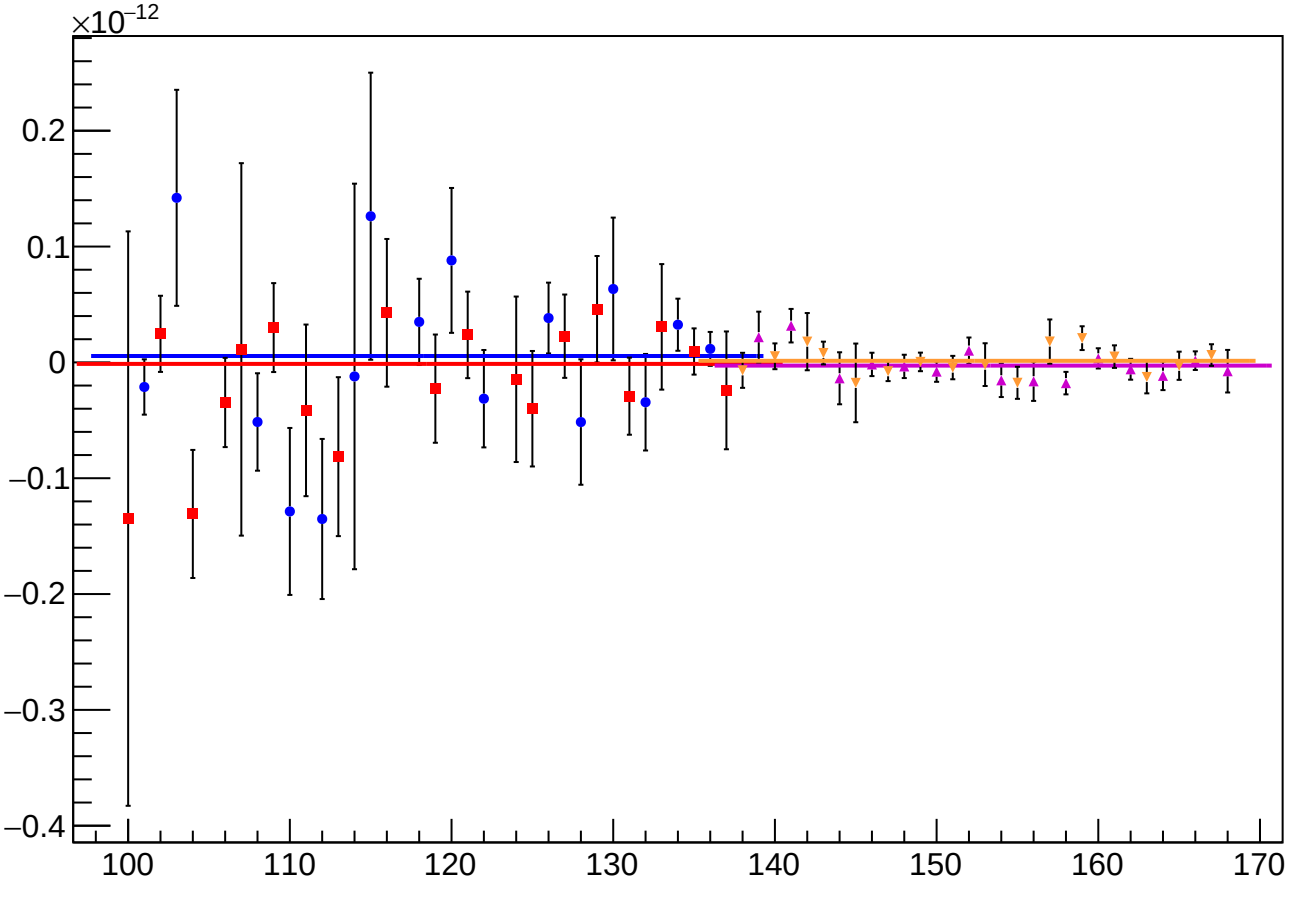
Left: 46.783+/-0.008 χ^2/NDF: 4467946.0/30

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.751+/-0.009 χ^2/NDF:4451708.5/30

Out: 48.874+/-0.009 χ^2/NDF:6567722.2/34

All: 49.317+/-0.007 χ^2/NDF: 11023903.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/14

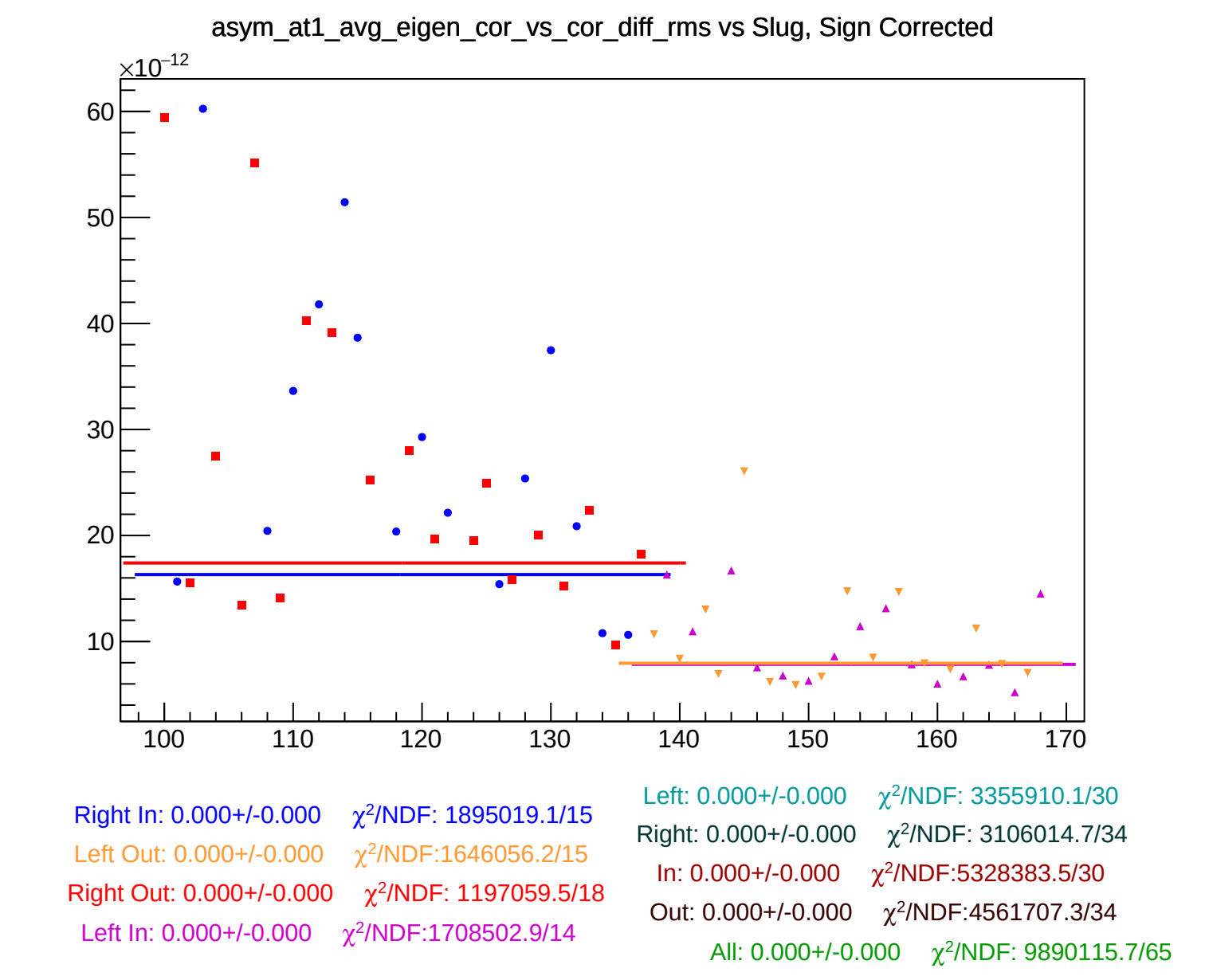
Left: -0.000+/-0.000 χ^2/NDF: 26.1/30

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

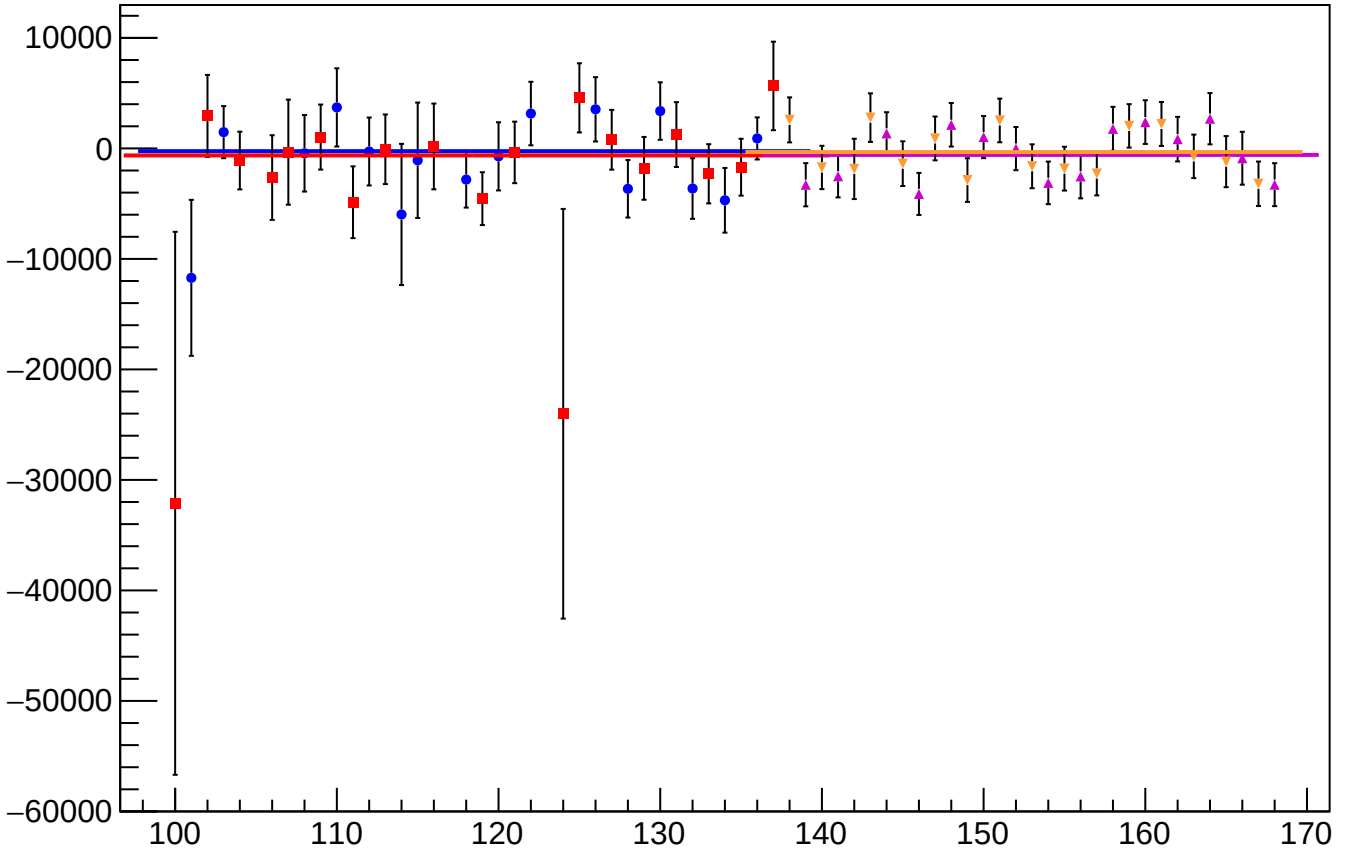
In: -0.000+/-0.000 χ^2/NDF:37.6/30

Out: 0.000+/-0.000 χ^2/NDF:25.3/34

All: -0.000+/-0.000 χ^2/NDF: 63.5/65


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1646056.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1708502.9/14
Left: 0.000+/-0.000 χ²/NDF: 3355910.1/30
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5328383.5/30
Out: 0.000+/-0.000 χ²/NDF:4561707.3/34
All: 0.000+/-0.000 χ²/NDF: 9890115.7/65

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -329.948+/-511.742 χ^2/NDF:16.5/15

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -588.527+/-514.296 χ^2/NDF:20.9/14

Left: -458.594+/-362.756 χ^2/NDF: 37.5/30

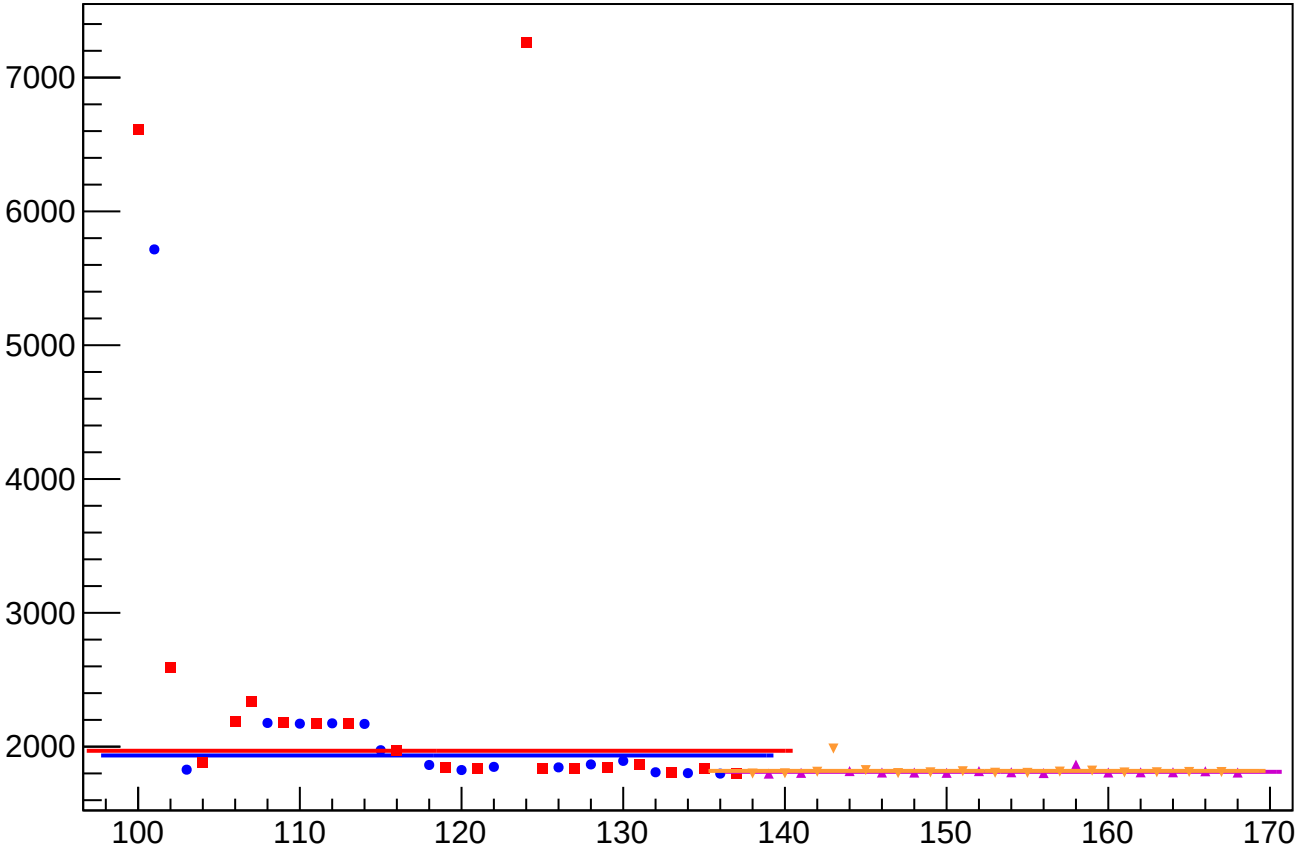
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -477.707+/-421.404 χ^2/NDF:38.3/30

Out: -429.811+/-420.064 χ^2/NDF:32.5/34

All: -453.683+/-297.502 χ^2/NDF: 70.8/65

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

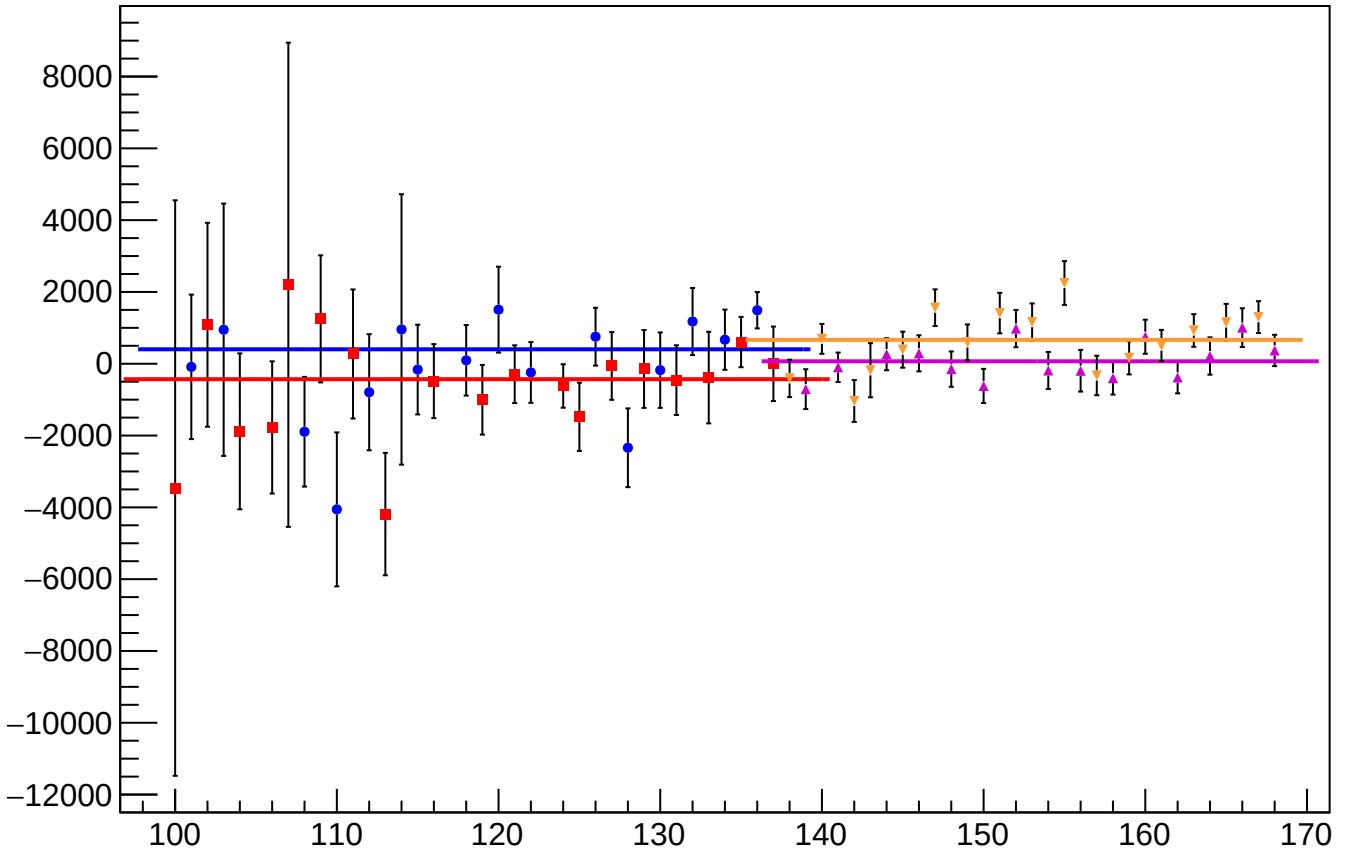
Left: 1815.453+/-0.257 χ^2/NDF: 14487.6/30

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1852.116+/-0.298 χ^2/NDF:678829.7/30

Out: 1867.958+/-0.297 χ^2/NDF:447177.9/34

All: 1860.062+/-0.210 χ^2/NDF: 1127425.4/65



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 665.882+/-126.535 χ^2/NDF:34.6/15

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 68.074+/-125.160 χ^2/NDF:16.1/14

Left: 363.712+/-88.984 χ^2/NDF: 62.0/30

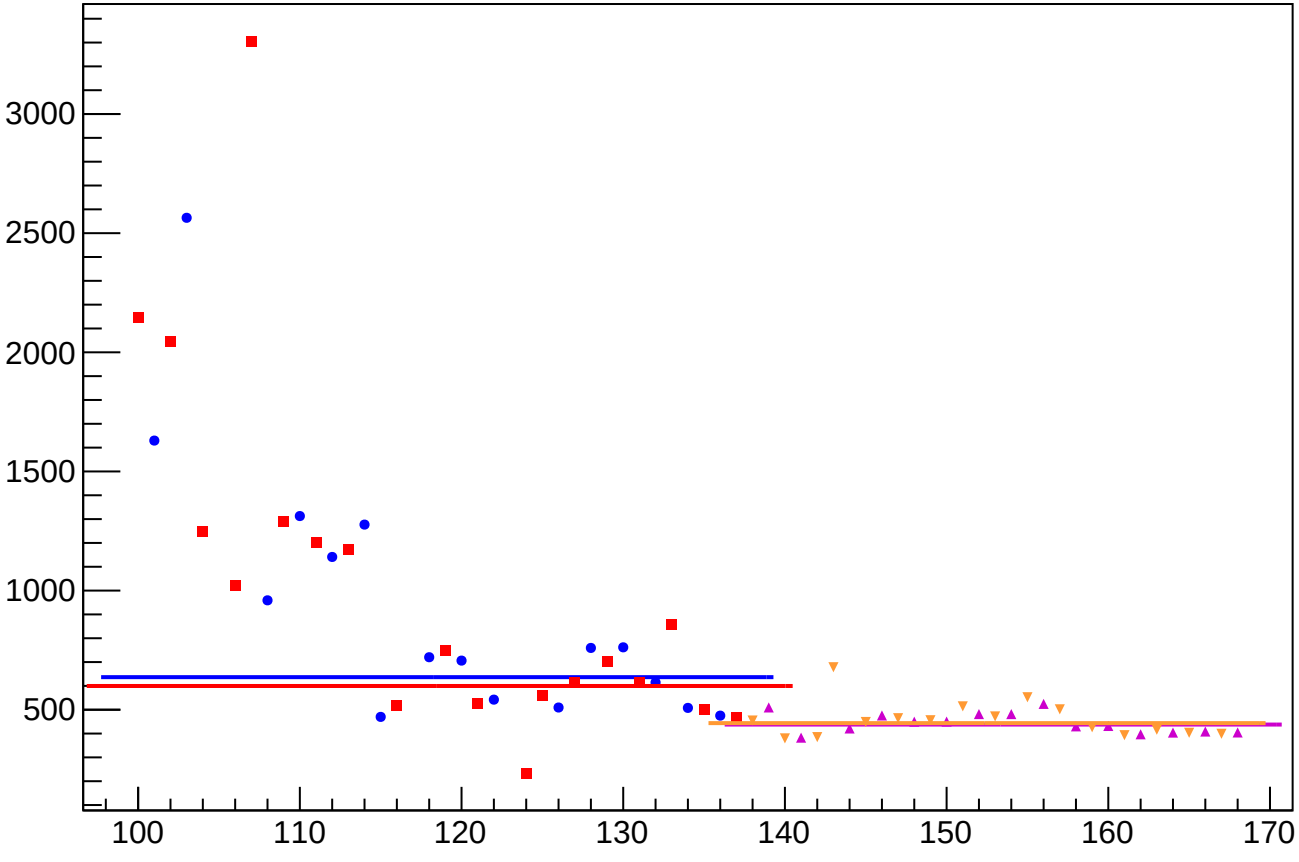
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 131.579+/-112.656 χ^2/NDF:38.6/30

Out: 446.351+/-113.154 χ^2/NDF:61.4/34

All: 288.271+/-79.835 χ^2/NDF: 103.8/65

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 443.786+/-0.089 χ^2/NDF:459164.3/15

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 437.738+/-0.089 χ^2/NDF:203666.2/14

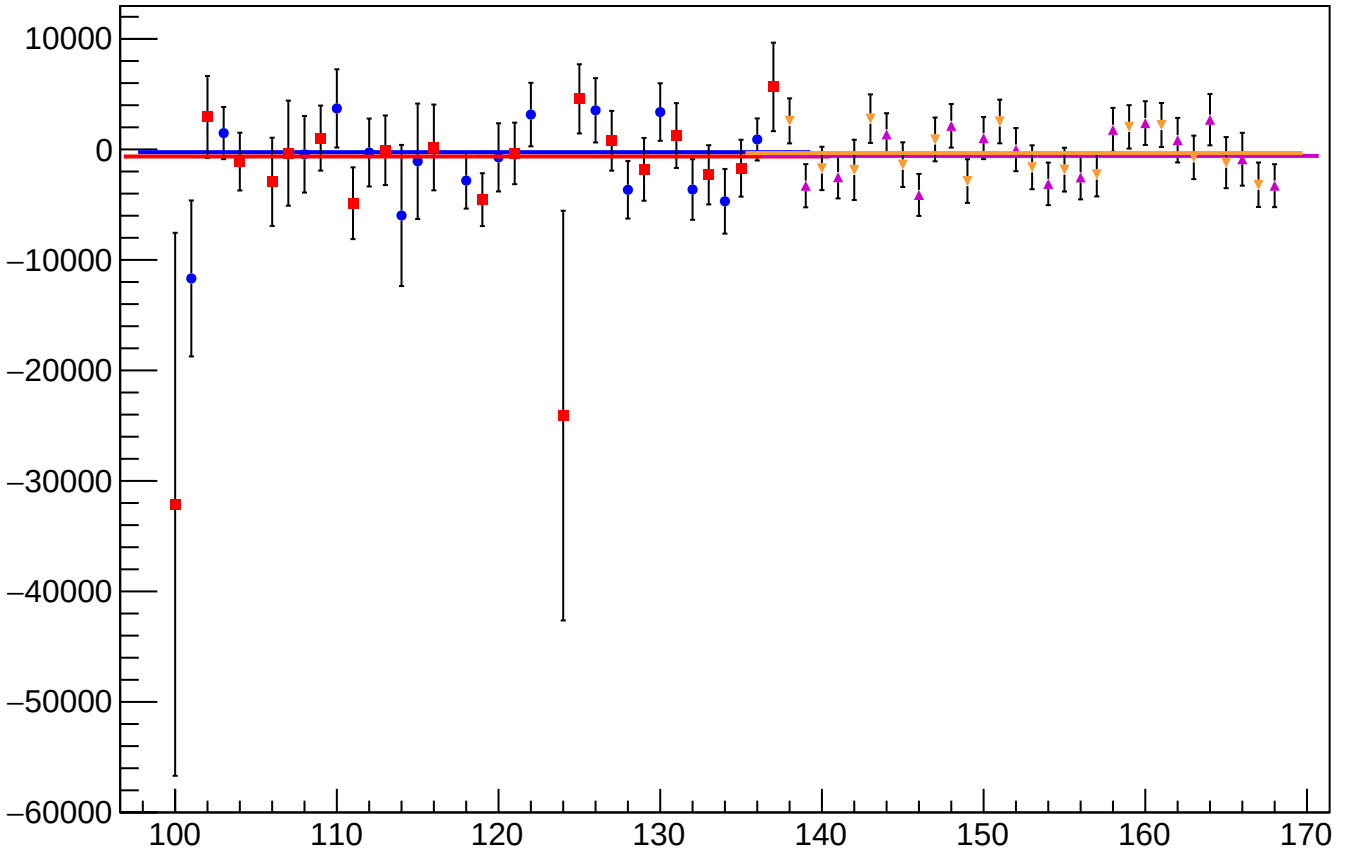
Left: 440.729+/-0.063 χ^2/NDF: 665139.8/30

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 475.505+/-0.080 χ^2/NDF:3229915.7/30

Out: 475.004+/-0.080 χ^2/NDF:4010984.9/34

All: 475.255+/-0.056 χ^2/NDF: 7240920.4/65



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -588.526+/-514.296 χ^2/NDF:20.9/14

Left: -458.615+/-362.756 χ^2/NDF: 37.5/30

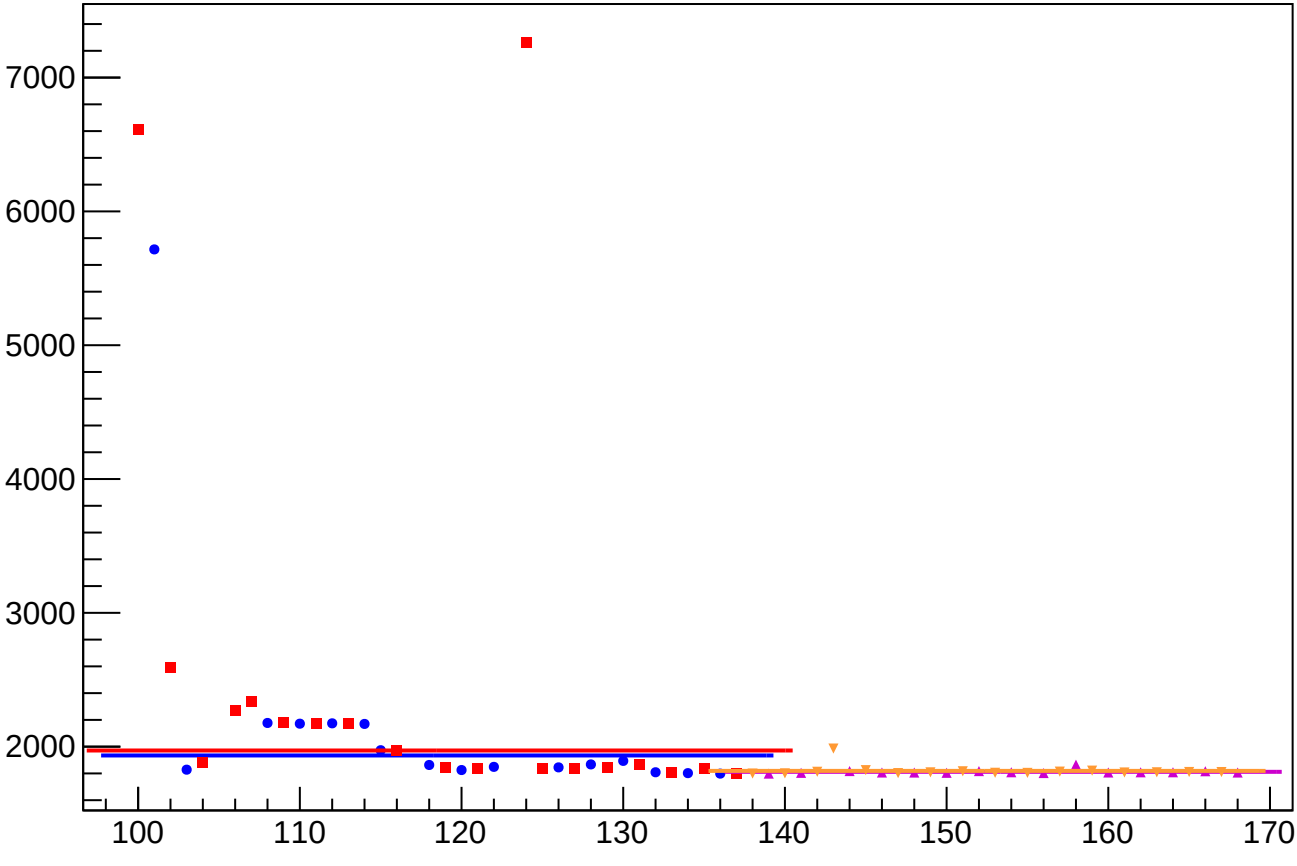
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -477.441+/-421.404 χ^2/NDF:38.3/30

Out: -431.200+/-420.263 χ^2/NDF:32.6/34

All: -454.258+/-297.573 χ^2/NDF: 70.9/65

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

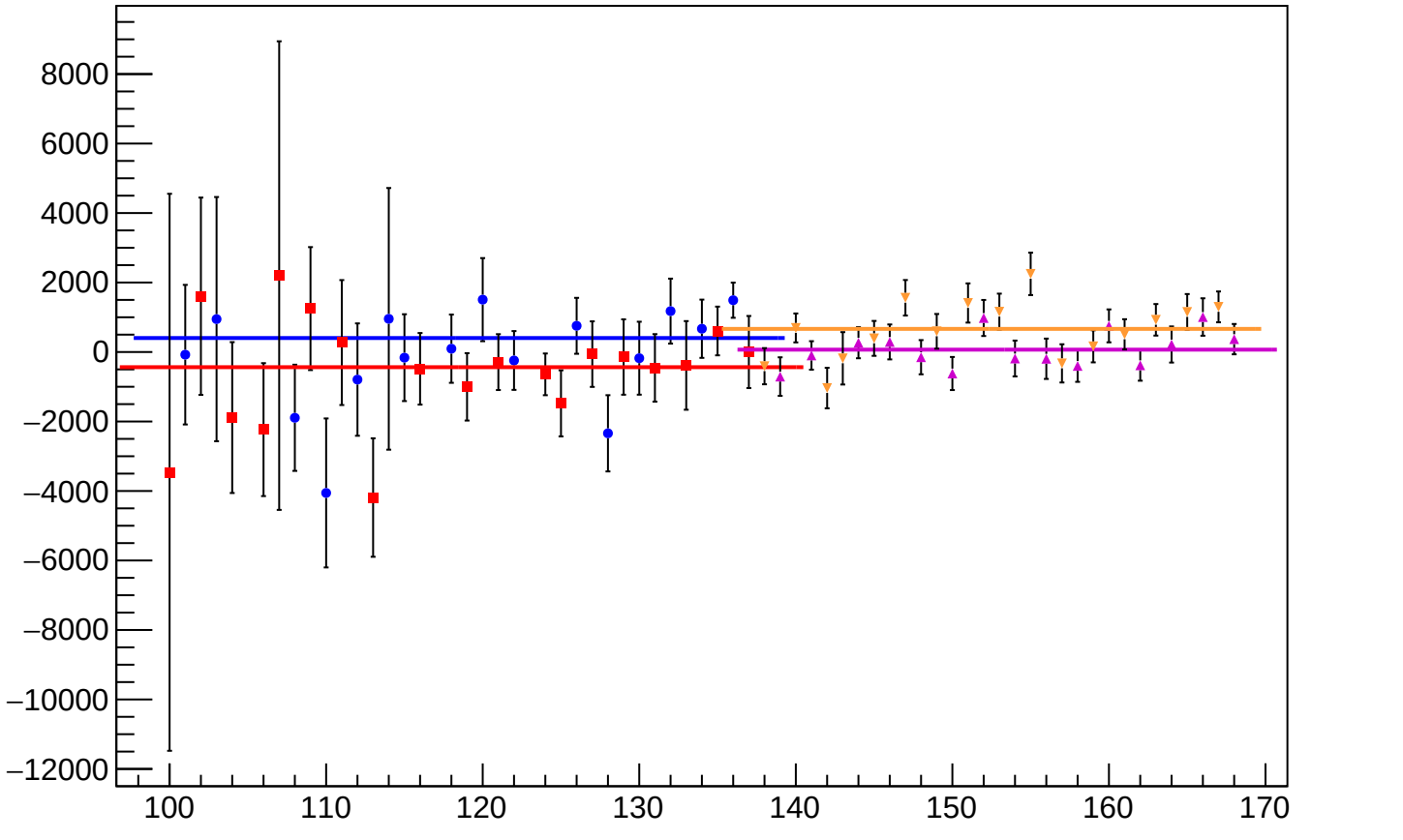
Left: 1815.453+/-0.257 χ^2/NDF: 14487.6/30

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1852.116+/-0.298 χ^2/NDF:678829.6/30

Out: 1868.563+/-0.297 χ^2/NDF:453485.5/34

All: 1860.361+/-0.210 χ^2/NDF: 1133842.4/65



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 68.097+/-125.159 χ^2/NDF:16.1/14

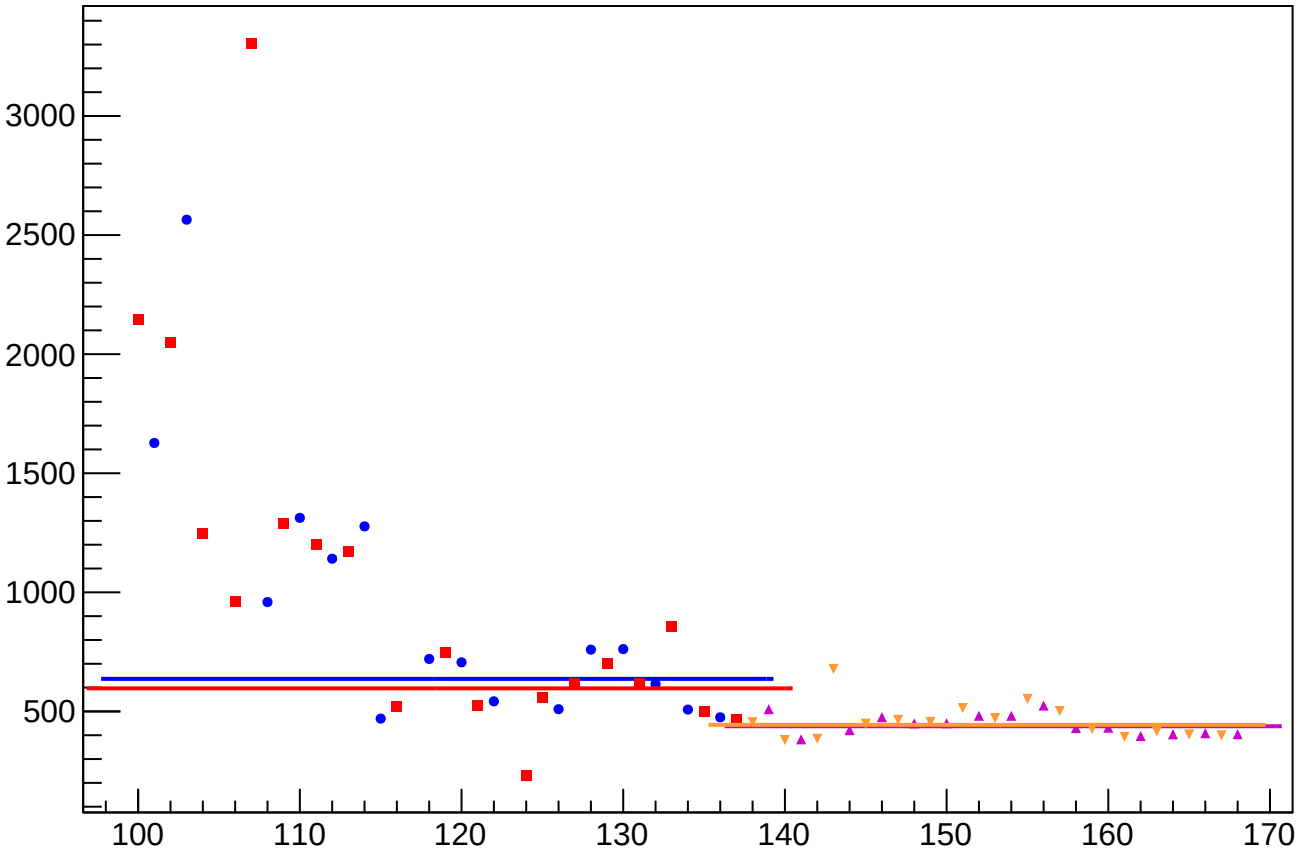
Left: 363.702+/-88.983 χ^2/NDF: 62.0/30

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 131.615+/-112.655 χ^2/NDF:38.6/30

Out: 444.781+/-113.141 χ^2/NDF:62.2/34

All: 287.524+/-79.830 χ^2/NDF: 104.6/65



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 437.735+/-0.089 χ^2/NDF:203664.2/14

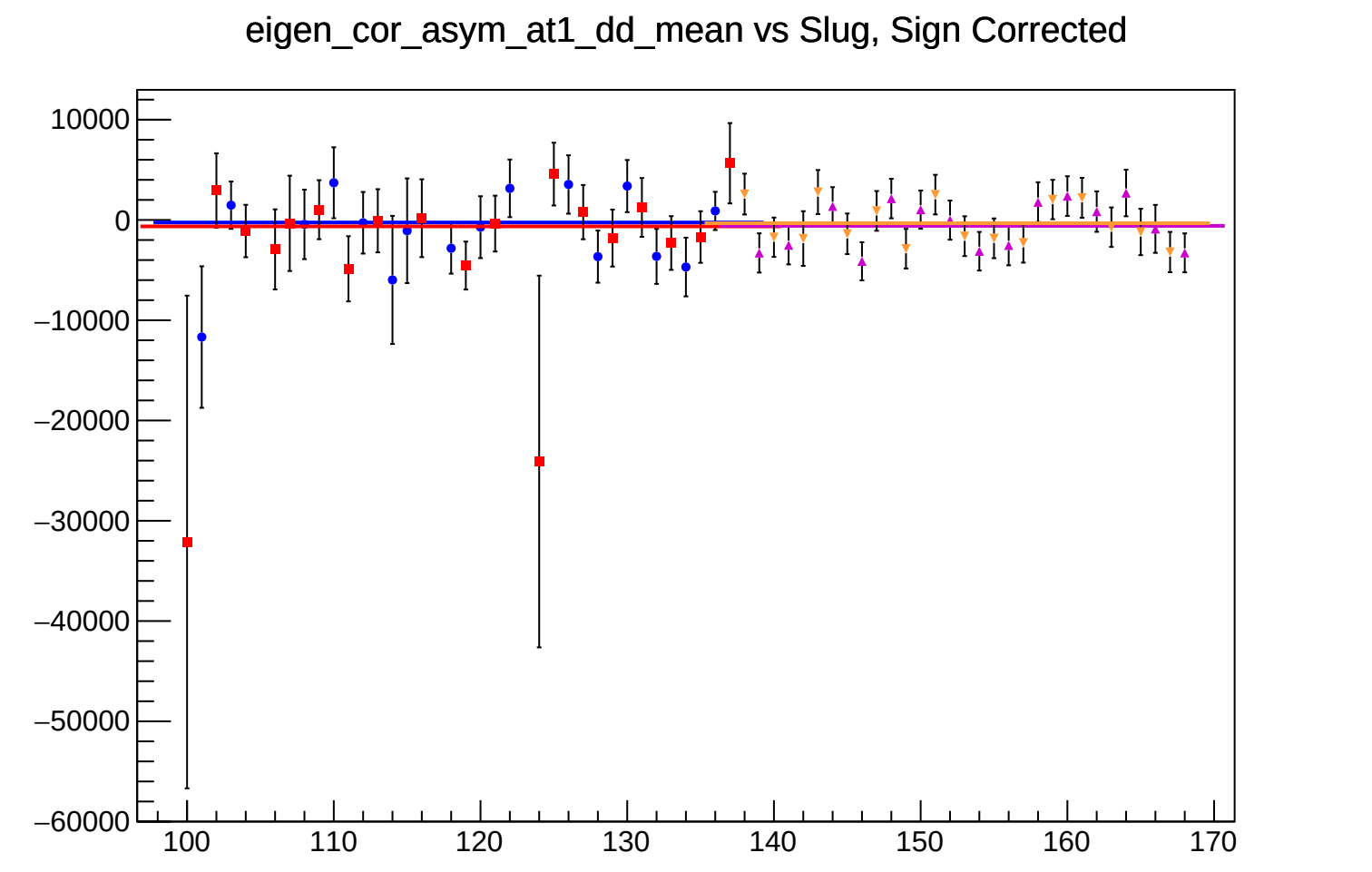
Left: 440.728+/-0.063 χ^2/NDF: 665094.8/30

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 475.504+/-0.080 χ^2/NDF:3229126.2/30

Out: 474.480+/-0.080 χ^2/NDF:3976417.1/34

All: 474.994+/-0.056 χ^2/NDF: 7205625.6/65



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -329.990+/-511.742 χ^2/NDF:16.5/15

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -588.526+/-514.296 χ^2/NDF:20.9/14

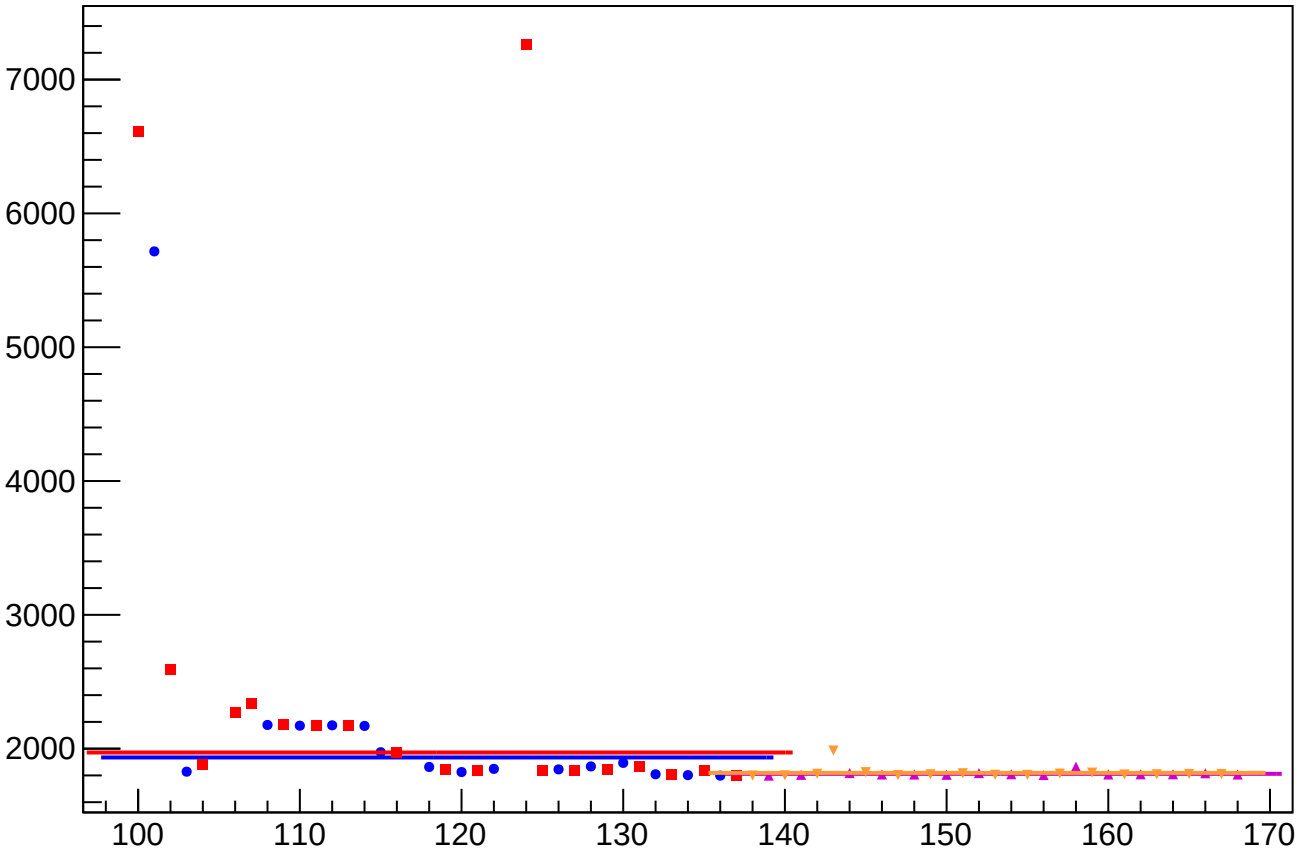
Left: -458.615+/-362.756 χ^2/NDF: 37.5/30

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -477.441+/-421.404 χ^2/NDF:38.3/30

Out: -431.200+/-420.263 χ^2/NDF:32.6/34

All: -454.258+/-297.573 χ^2/NDF: 70.9/65



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.941+/-0.362 χ^2/NDF:12548.8/15

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.930+/-0.364 χ^2/NDF:1752.0/14

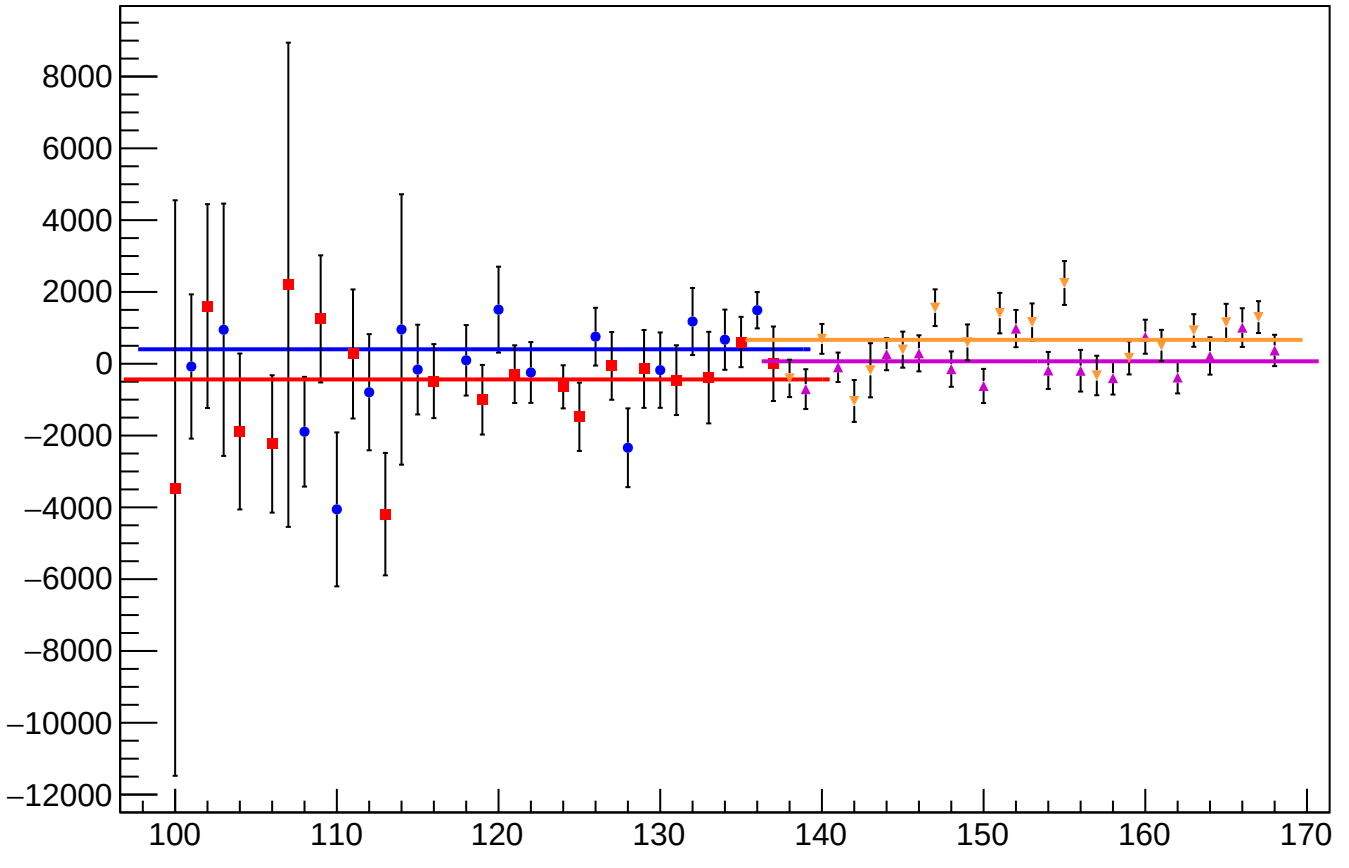
Left: 1815.453+/-0.257 χ^2/NDF: 14487.6/30

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1852.116+/-0.298 χ^2/NDF:678829.6/30

Out: 1868.563+/-0.297 χ^2/NDF:453485.5/34

All: 1860.361+/-0.210 χ^2/NDF: 1133842.4/65



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 665.844+/-126.535 χ^2/NDF:34.6/15

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 68.097+/-125.159 χ^2/NDF:16.1/14

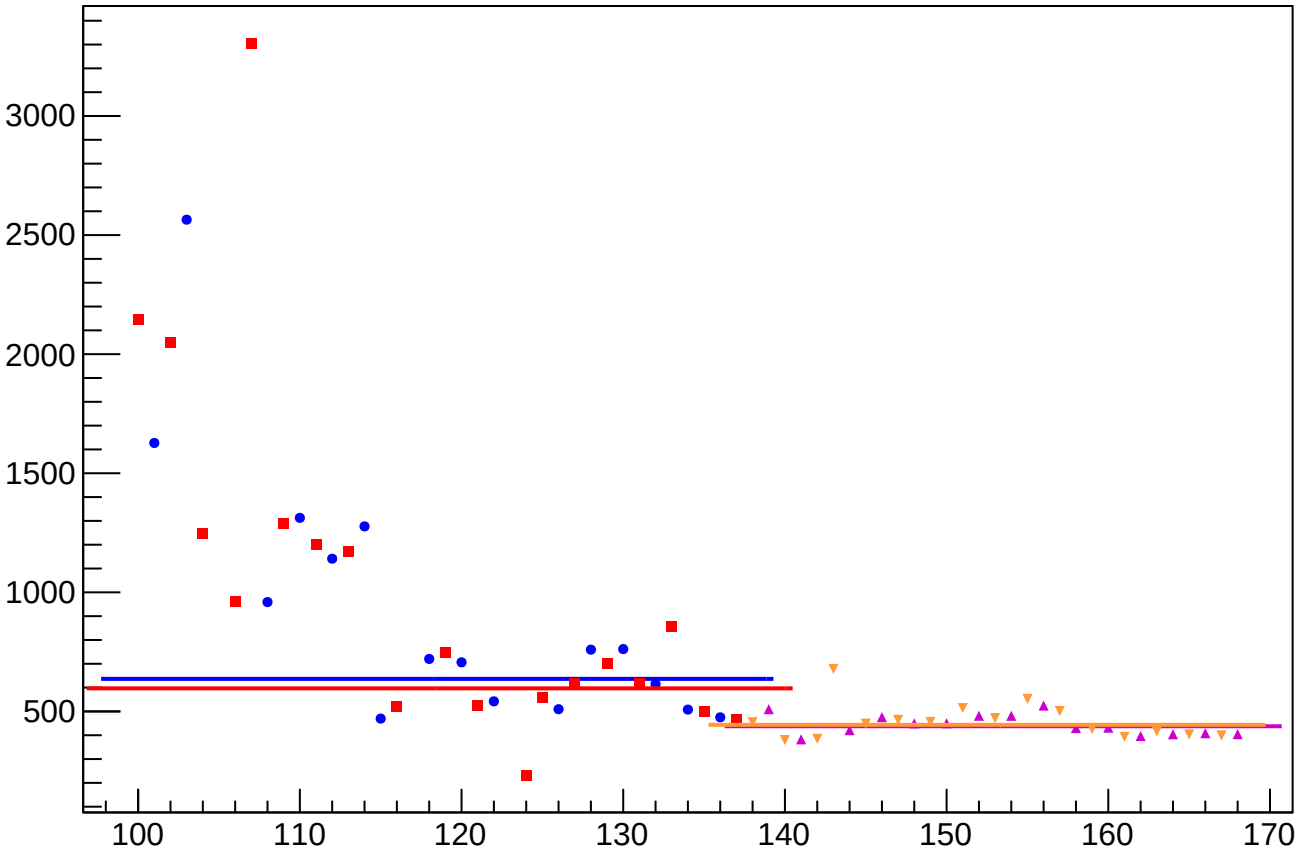
Left: 363.702+/-88.983 χ^2/NDF: 62.0/30

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 131.615+/-112.655 χ^2/NDF:38.6/30

Out: 444.781+/-113.141 χ^2/NDF:62.2/34

All: 287.524+/-79.830 χ^2/NDF: 104.6/65



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 443.788+/-0.089 χ^2/NDF:459116.9/15

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 437.735+/-0.089 χ^2/NDF:203664.2/14

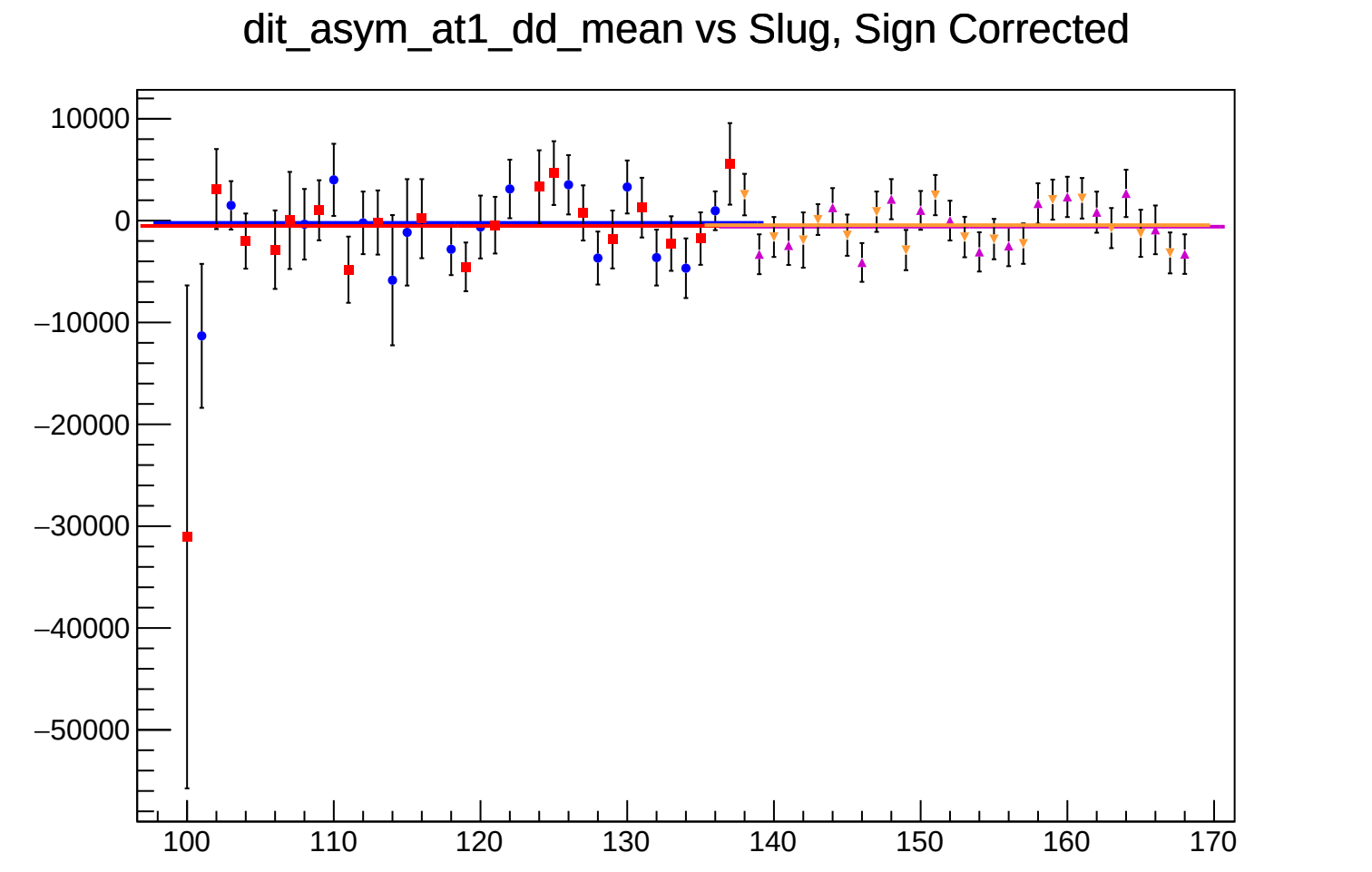
Left: 440.728+/-0.063 χ^2/NDF: 665094.8/30

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

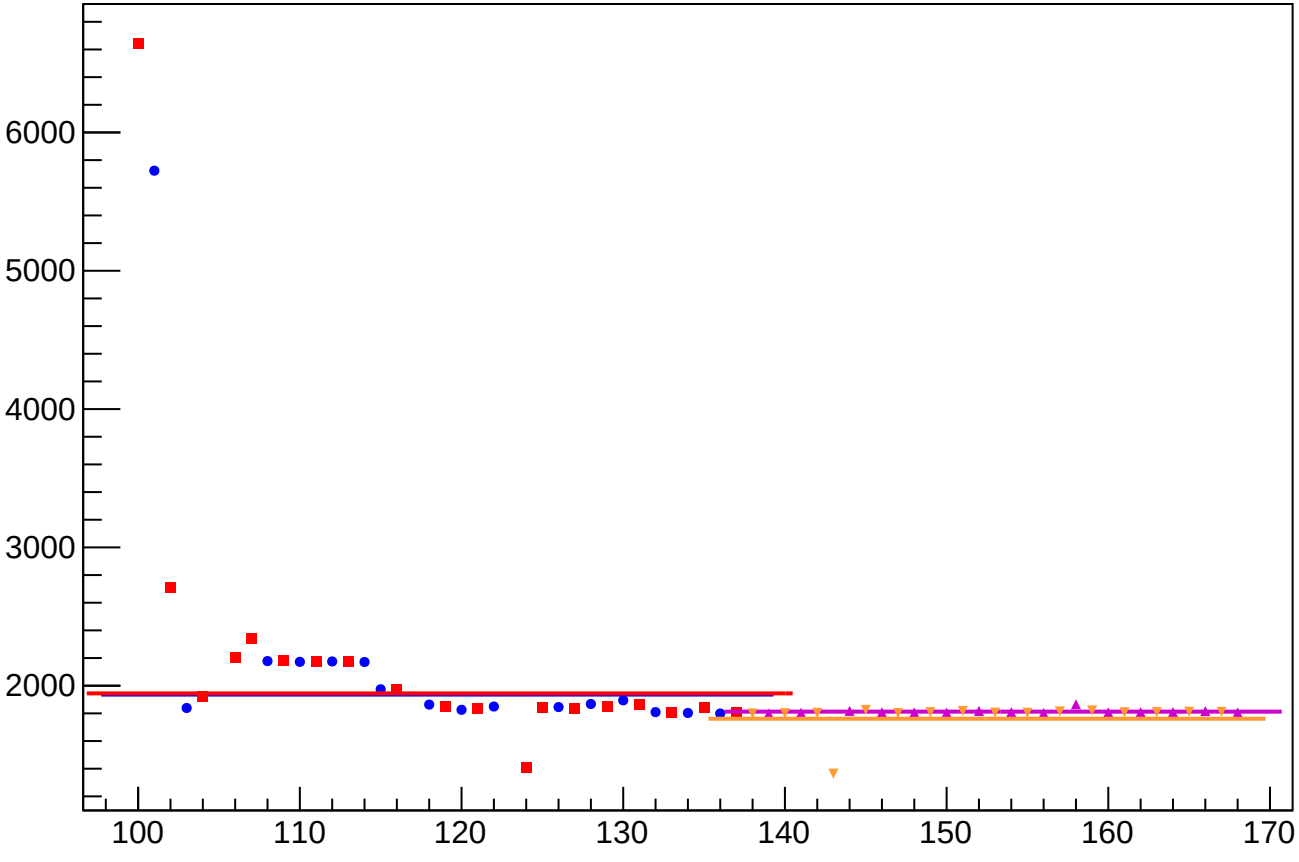
In: 475.504+/-0.080 χ^2/NDF:3229126.2/30

Out: 474.480+/-0.080 χ^2/NDF:3976417.1/34

All: 474.994+/-0.056 χ^2/NDF: 7205625.6/65


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -444.360+/-496.961 χ²/NDF:14.4/15
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -596.172+/-514.471 χ²/NDF:20.3/14
Left: -517.639+/-357.434 χ²/NDF: 34.8/30
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -472.803+/-421.646 χ²/NDF:37.6/30
Out: -468.625+/-409.902 χ²/NDF:30.0/34
All: -470.655+/-293.909 χ²/NDF: 67.6/65

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.546+/-0.364 χ^2/NDF:1746.9/14

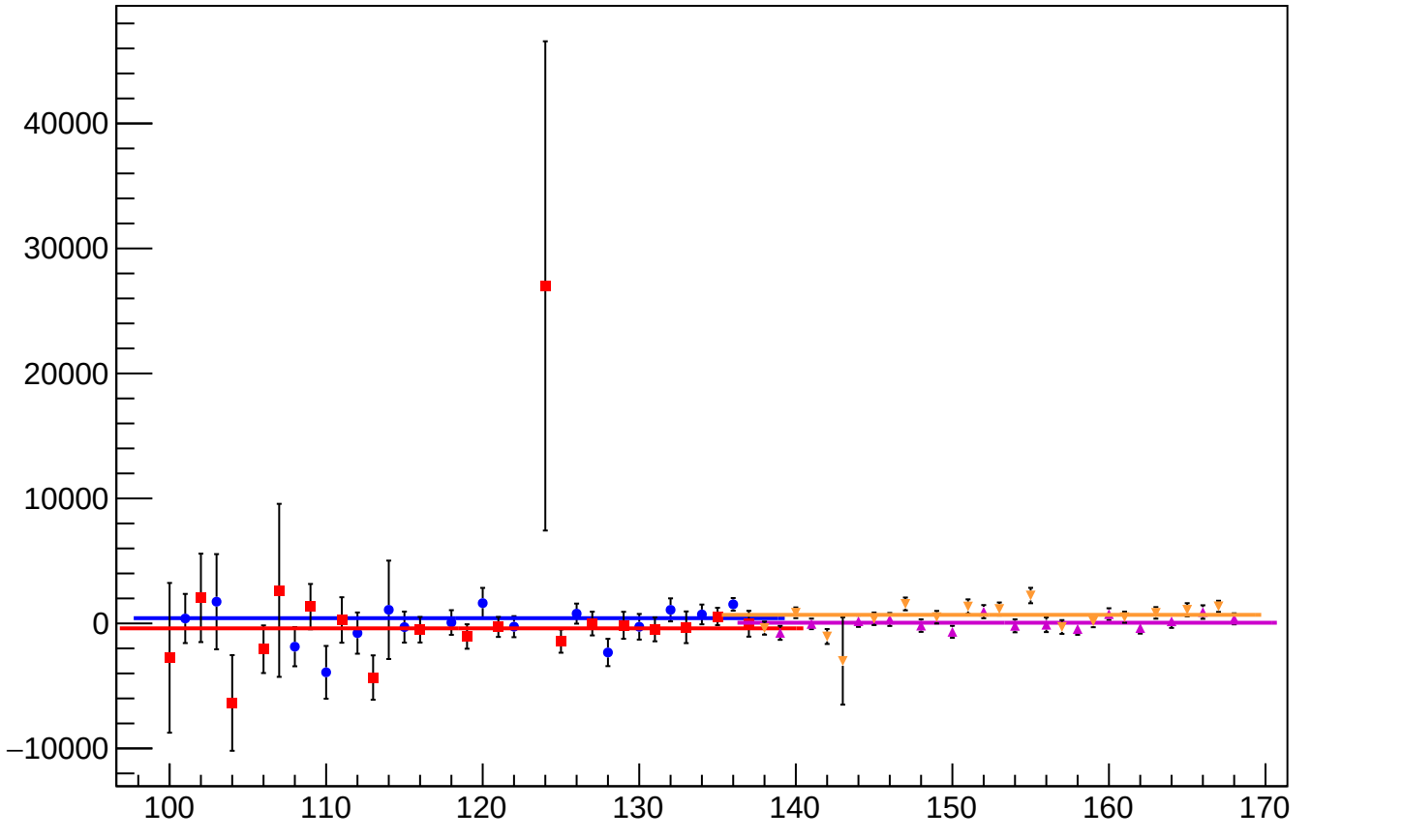
Left: 1786.067+/-0.253 χ^2/NDF: 167512.4/30

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1853.067+/-0.298 χ^2/NDF:679348.1/30

Out: 1819.904+/-0.290 χ^2/NDF:518571.6/34

All: 1836.017+/-0.208 χ^2/NDF: 1204280.7/65



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 687.149+/-130.129 χ^2/NDF:33.1/15

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: 55.328+/-127.032 χ^2/NDF:15.2/14

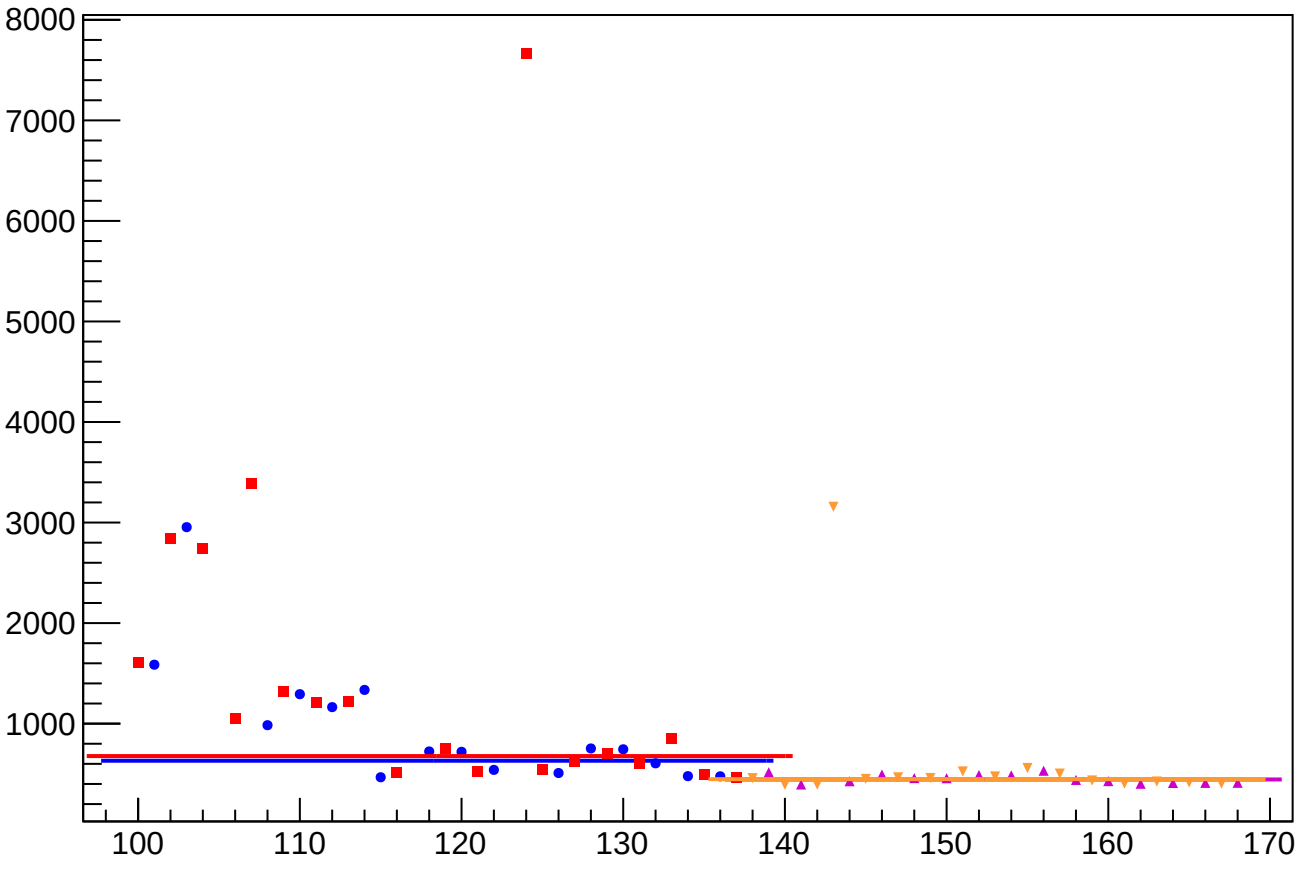
Left: 363.628+/-90.900 χ^2/NDF: 60.4/30

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 127.268+/-113.858 χ^2/NDF:38.4/30

Out: 494.688+/-117.975 χ^2/NDF:61.3/34

All: 304.455+/-81.926 χ^2/NDF: 104.7/65



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436510.7/15

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 444.745+/-0.090 χ^2/NDF:203377.4/14

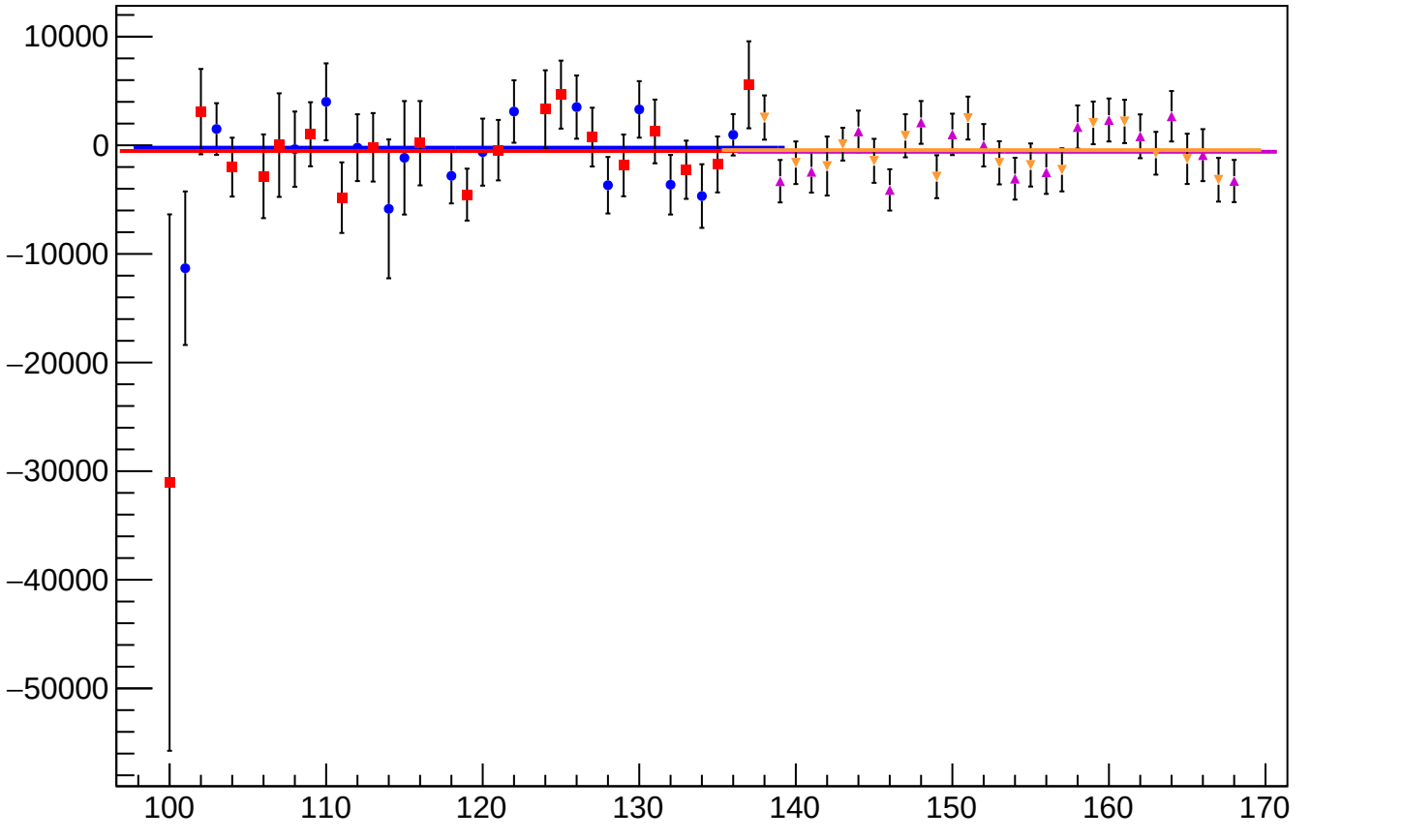
Left: 446.239+/-0.064 χ^2/NDF: 1640455.0/30

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 481.400+/-0.081 χ^2/NDF:3284658.8/30

Out: 488.700+/-0.083 χ^2/NDF:5627159.2/34

All: 484.920+/-0.058 χ^2/NDF: 8915782.1/65



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -444.361+/-496.961 χ^2/NDF:14.4/15

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -596.171+/-514.471 χ^2/NDF:20.3/14

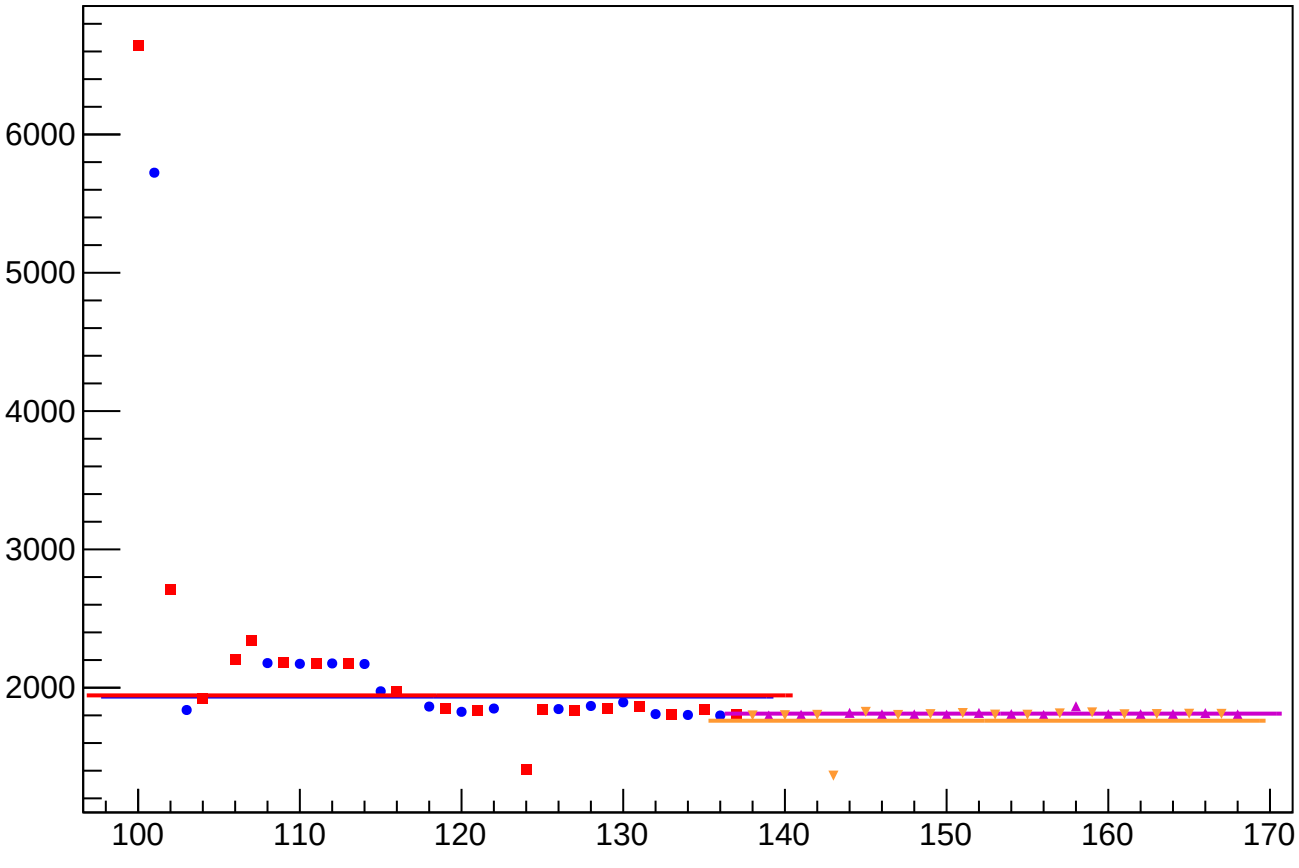
Left: -517.639+/-357.434 χ^2/NDF: 34.8/30

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -472.803+/-421.646 χ^2/NDF:37.6/30

Out: -468.626+/-409.902 χ^2/NDF:30.0/34

All: -470.656+/-293.909 χ^2/NDF: 67.6/65



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1761.360+/-0.351 χ^2/NDF:155524.1/15

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.546+/-0.364 χ^2/NDF:1746.9/14

Left: 1786.067+/-0.253 χ^2/NDF: 167512.4/30

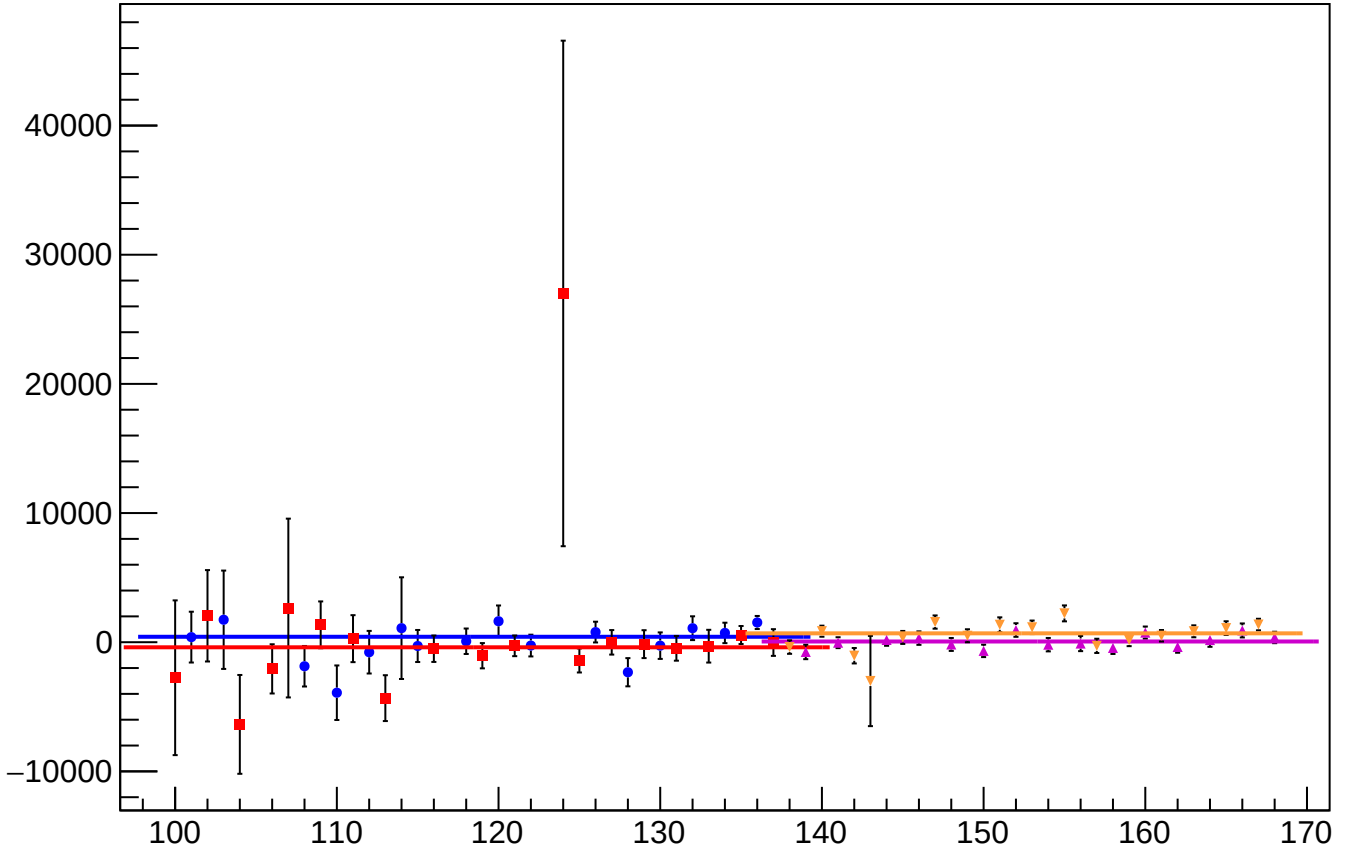
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1853.067+/-0.298 χ^2/NDF:679348.1/30

Out: 1819.904+/-0.290 χ^2/NDF:518571.3/34

All: 1836.017+/-0.208 χ^2/NDF: 1204280.5/65

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: 687.148+/-130.129 χ^2/NDF:33.1/15

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 55.329+/-127.032 χ^2/NDF:15.2/14

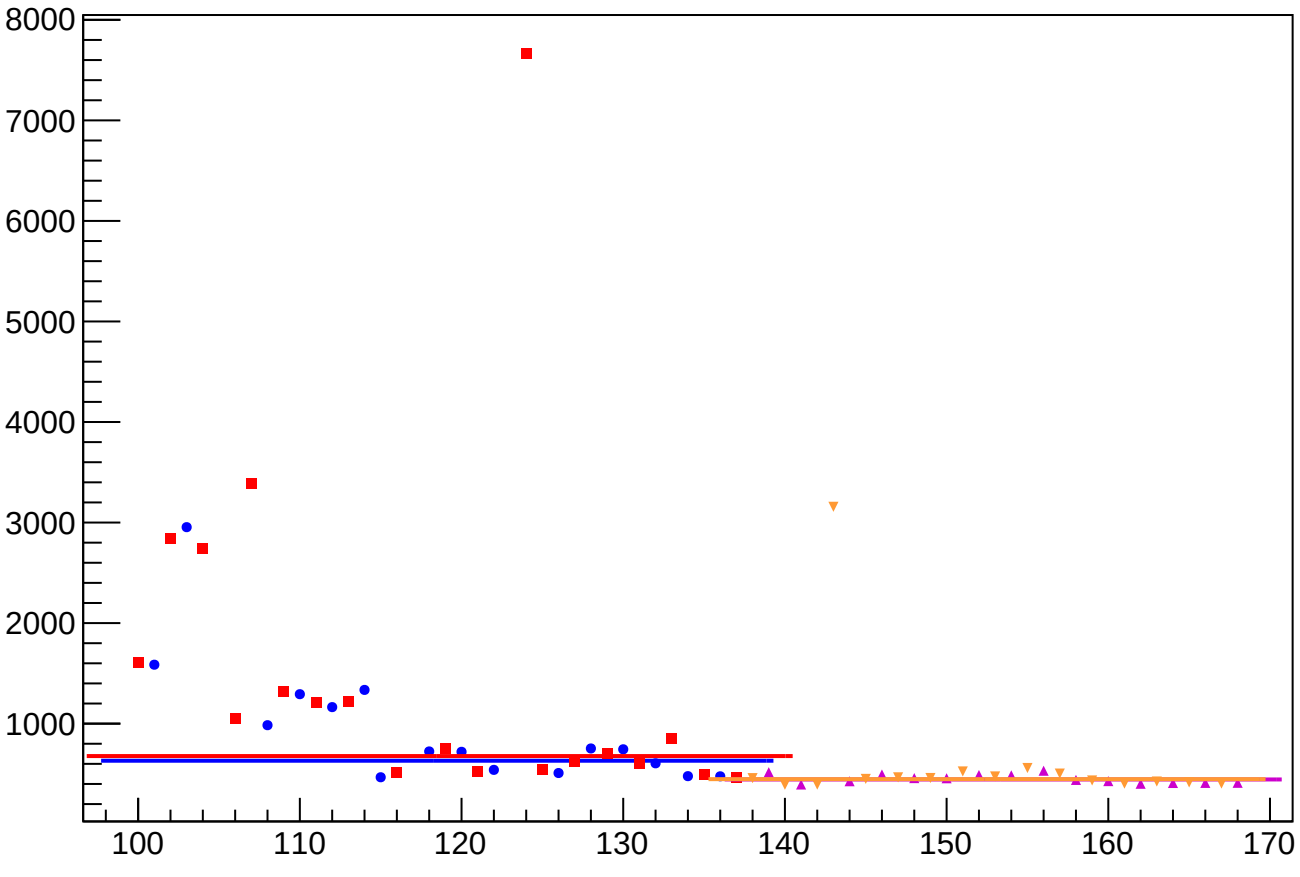
Left: 363.628+/-90.900 χ^2/NDF: 60.4/30

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 127.268+/-113.858 χ^2/NDF:38.4/30

Out: 494.687+/-117.975 χ^2/NDF:61.3/34

All: 304.455+/-81.926 χ^2/NDF: 104.7/65



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 447.806+/-0.092 χ^2/NDF:1436512.9/15

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 444.745+/-0.090 χ^2/NDF:203380.2/14

Left: 446.238+/-0.064 χ^2/NDF: 1640460.0/30

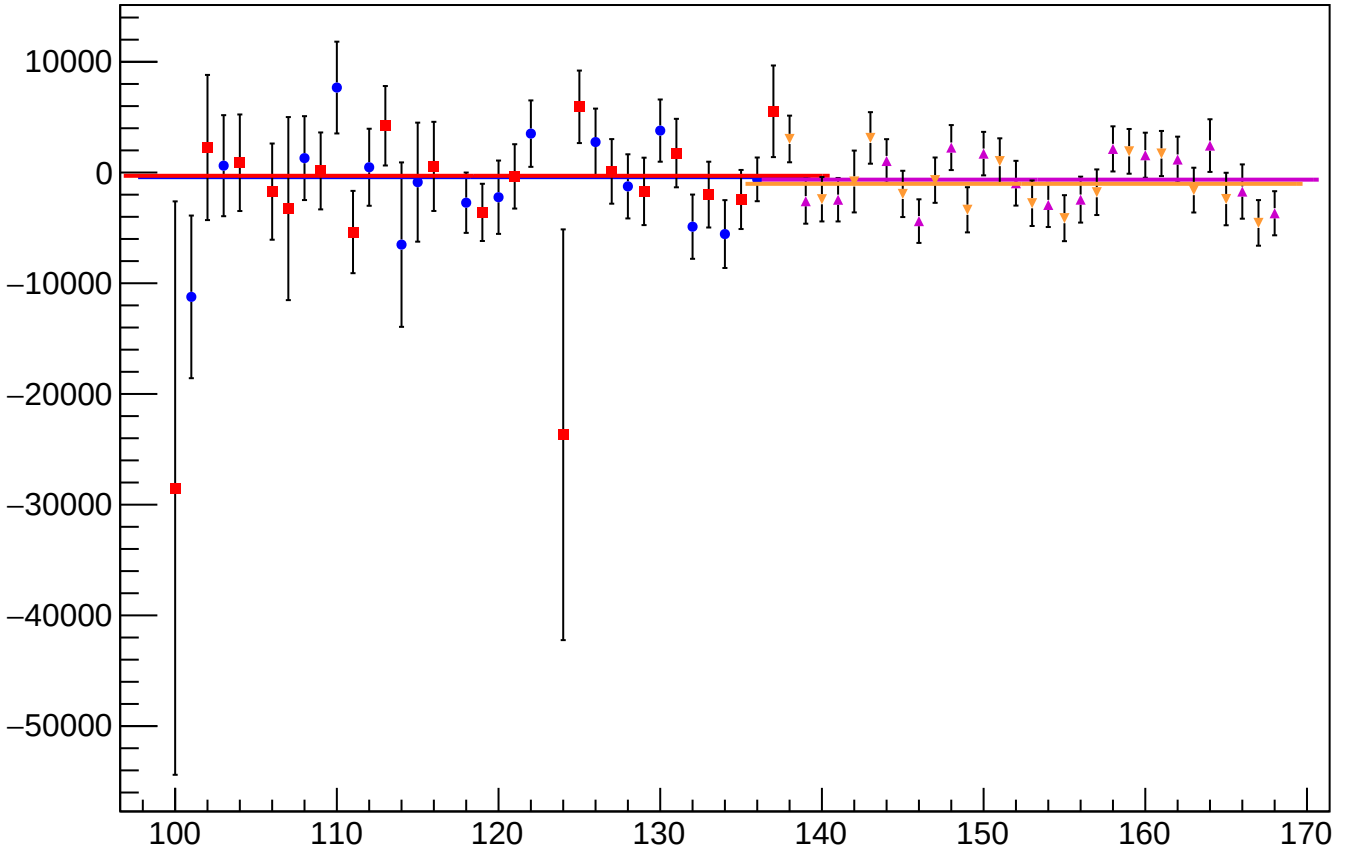
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 481.400+/-0.081 χ^2/NDF:3284661.0/30

Out: 488.699+/-0.083 χ^2/NDF:5627164.0/34

All: 484.920+/-0.058 χ^2/NDF: 8915789.0/65

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1020.386+/-528.695 χ^2/NDF:20.2/15

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -643.811+/-530.182 χ^2/NDF:19.7/14

Left: -832.627+/-374.368 χ^2/NDF: 40.2/30

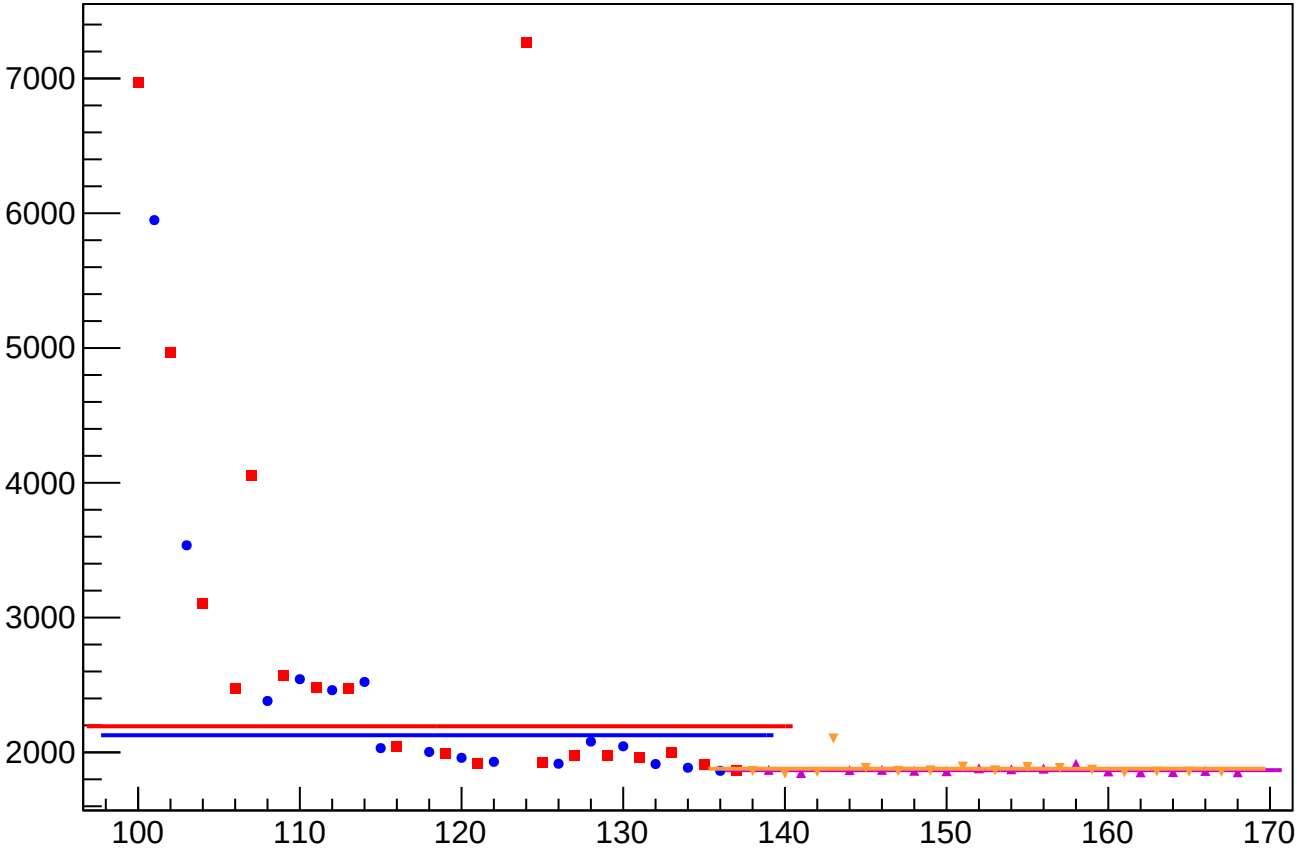
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -576.607+/-444.480 χ^2/NDF:38.1/30

Out: -811.456+/-446.164 χ^2/NDF:36.4/34

All: -693.588+/-314.888 χ^2/NDF: 74.6/65

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1878.860+/-0.374 χ^2/NDF:21050.5/15

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1867.878+/-0.375 χ^2/NDF:1865.3/14

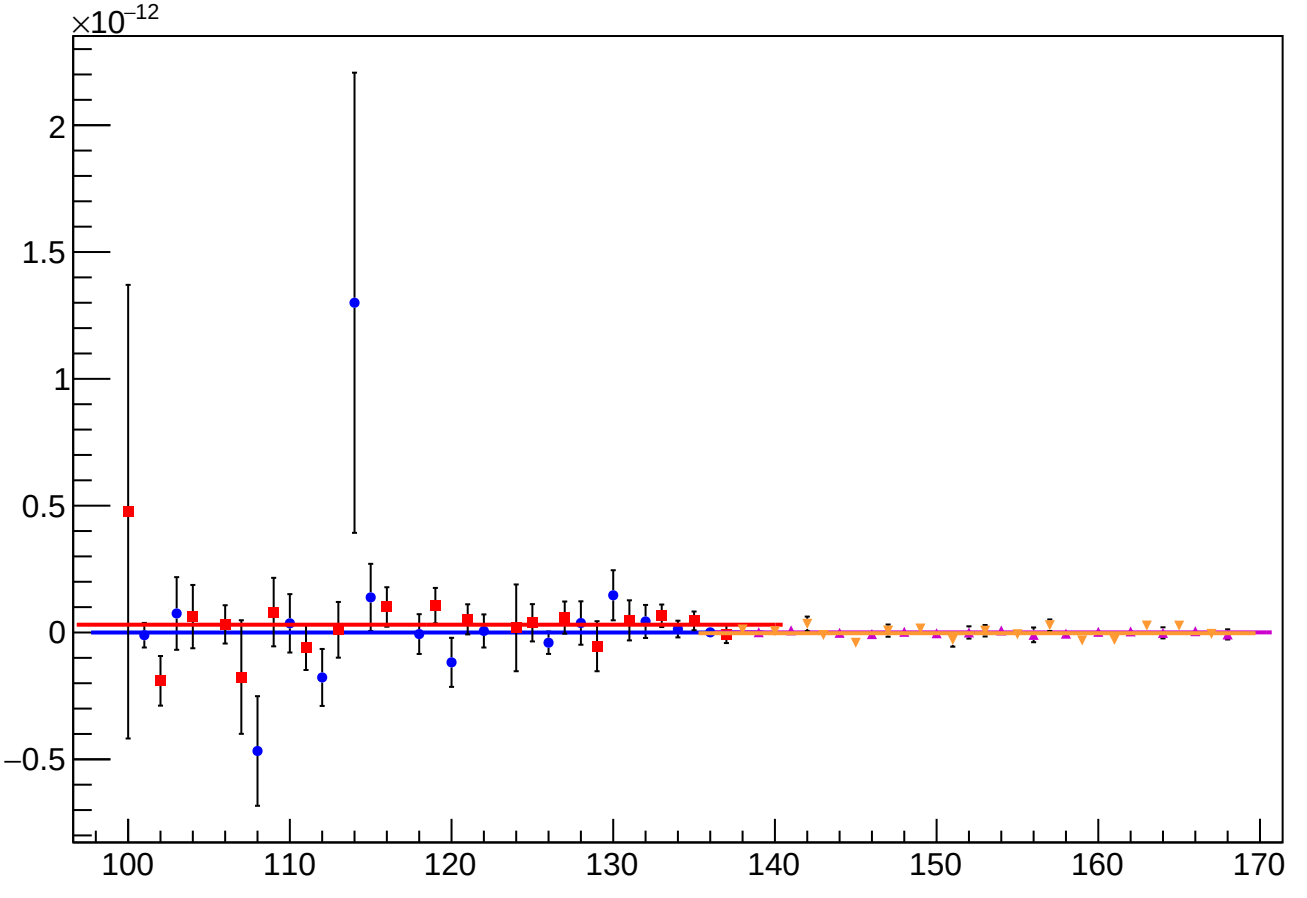
Left: 1873.384+/-0.265 χ^2/NDF: 23346.1/30

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1944.892+/-0.314 χ^2/NDF:1018954.9/30

Out: 1969.443+/-0.315 χ^2/NDF:1167600.8/34

All: 1957.121+/-0.223 χ^2/NDF: 2189595.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/14

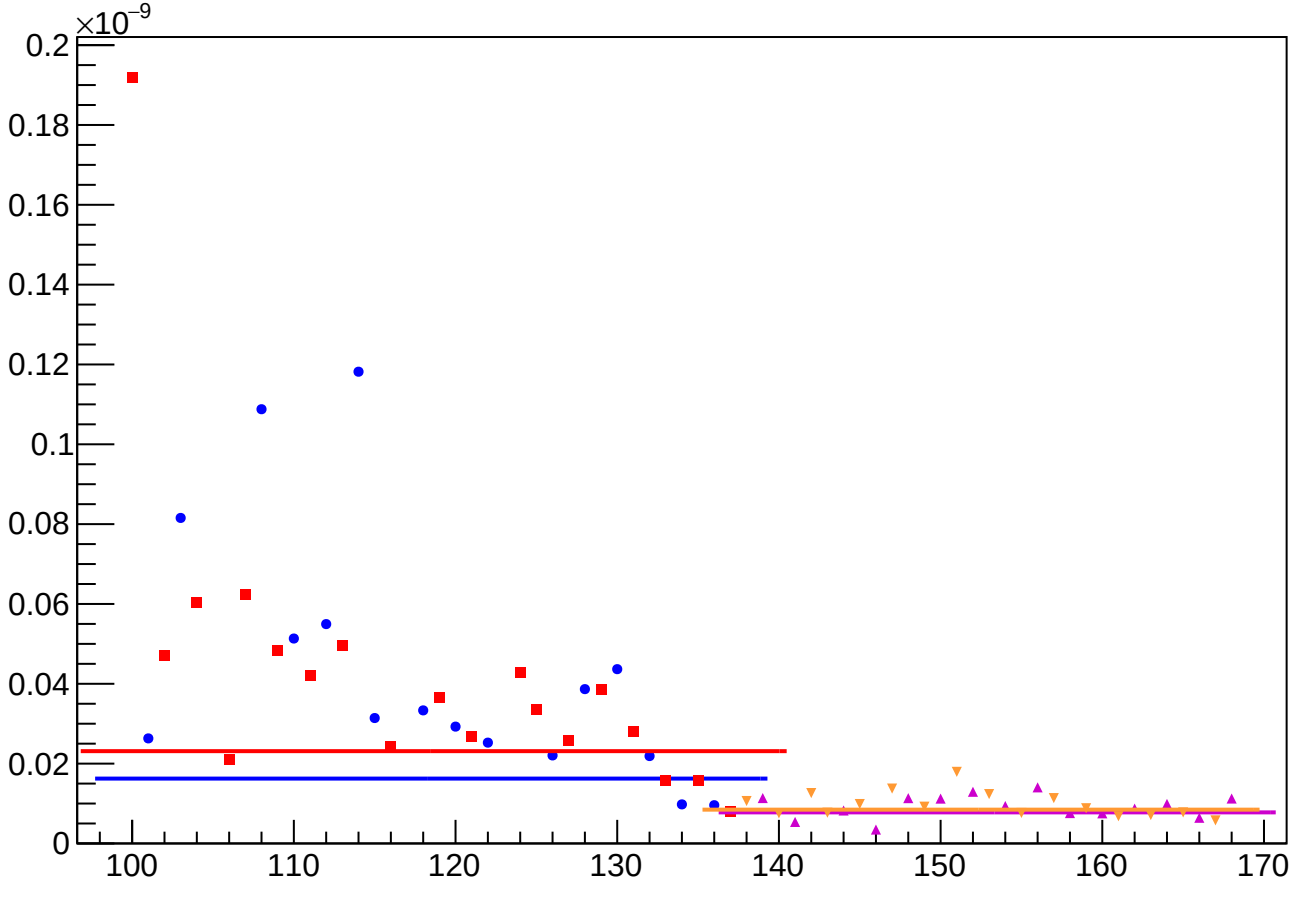
Left: -0.000+/-0.000 χ^2/NDF: 29.8/30

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.9/30

Out: -0.000+/-0.000 χ^2/NDF:44.4/34

All: -0.000+/-0.000 χ^2/NDF: 62.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:741127.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:979261.8/14

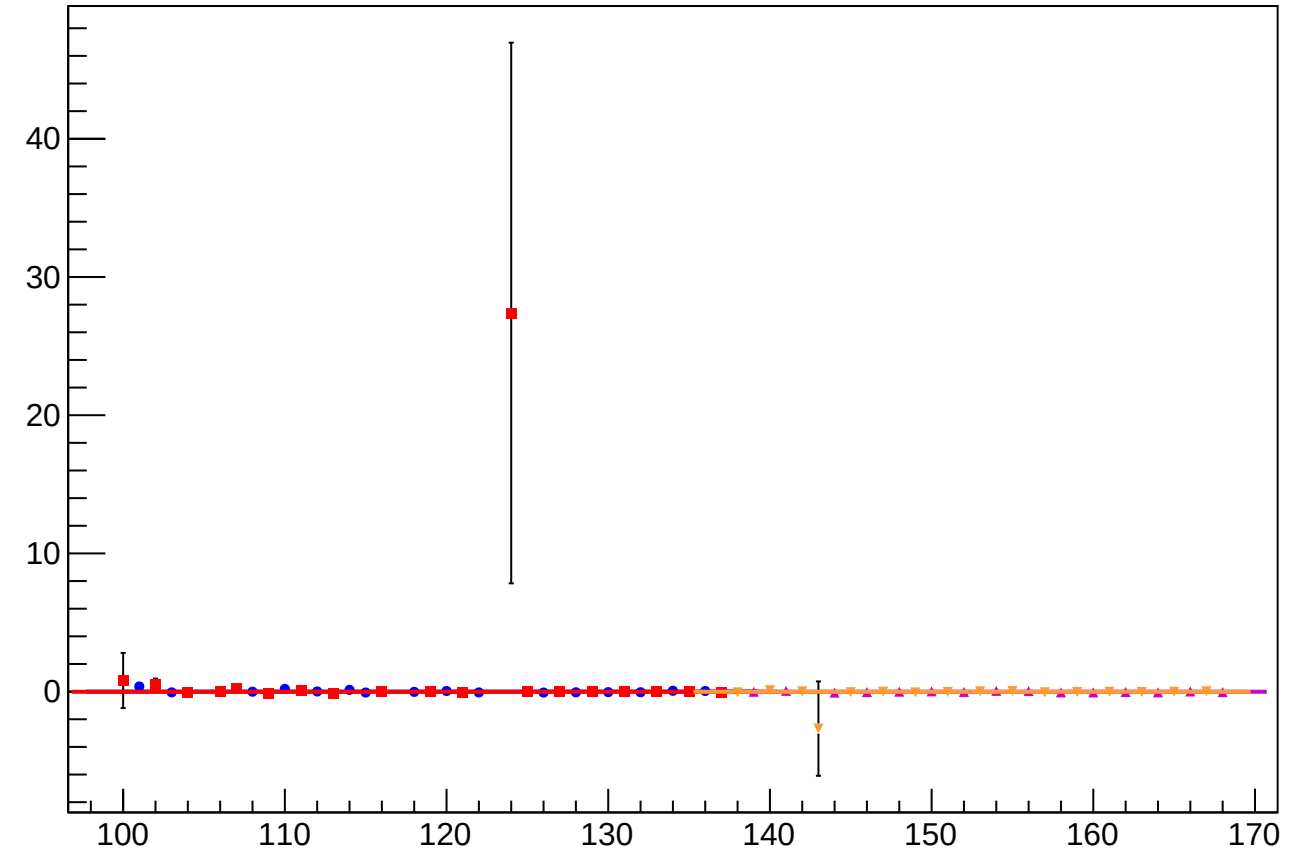
Left: 0.000+/-0.000 χ^2/NDF: 1748204.7/30

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4179577.2/30

Out: 0.000+/-0.000 χ^2/NDF:3780227.2/34

All: 0.000+/-0.000 χ^2/NDF: 7995355.0/65



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.010 χ^2/NDF:17.0/14

Left: -0.008+/-0.007 χ^2/NDF: 34.2/30

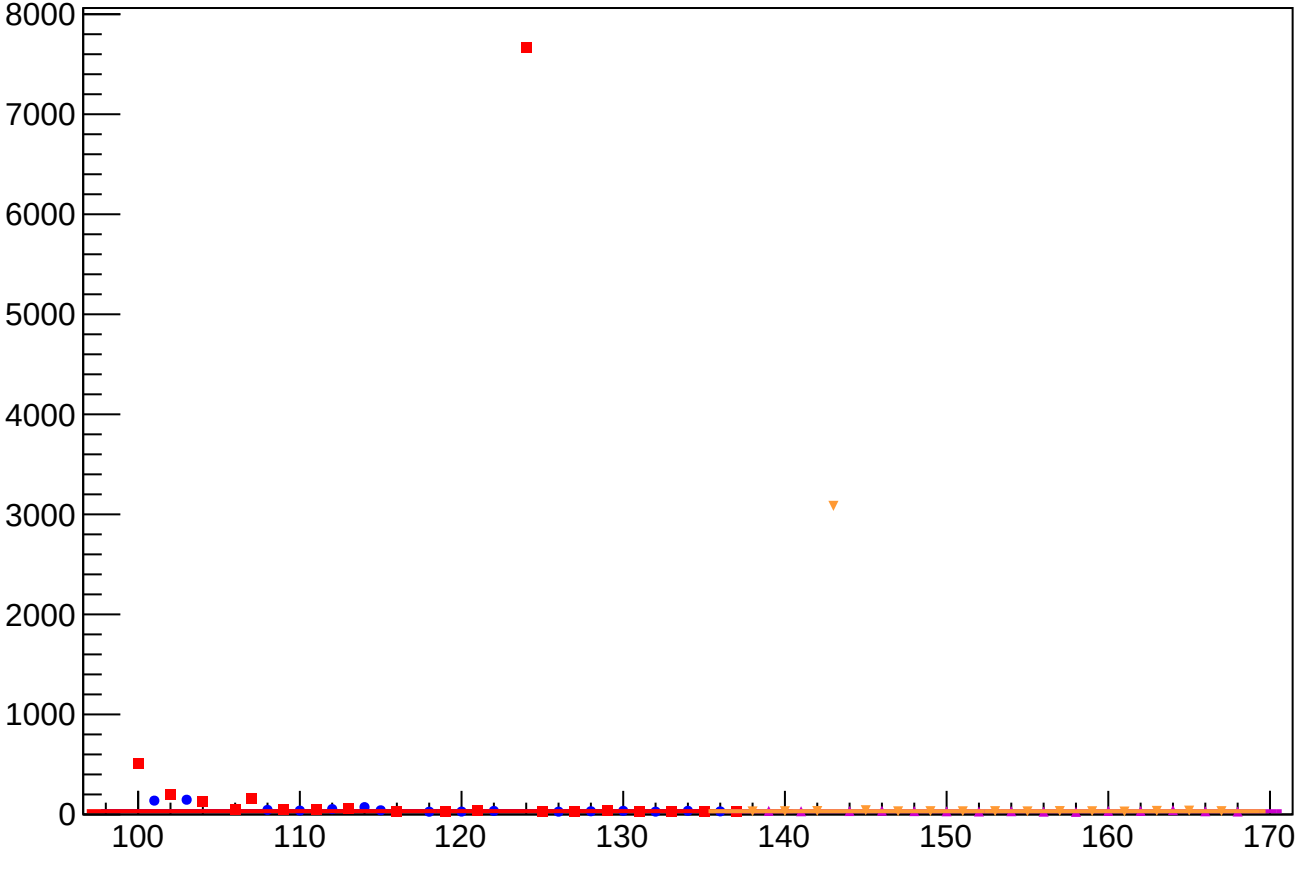
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:38.3/30

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 70.0/65

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.561+/-0.007 χ^2/NDF:1750053.5/15

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.365+/-0.007 χ^2/NDF:264861.5/14

Left: 32.461+/-0.005 χ^2/NDF: 2015287.3/30

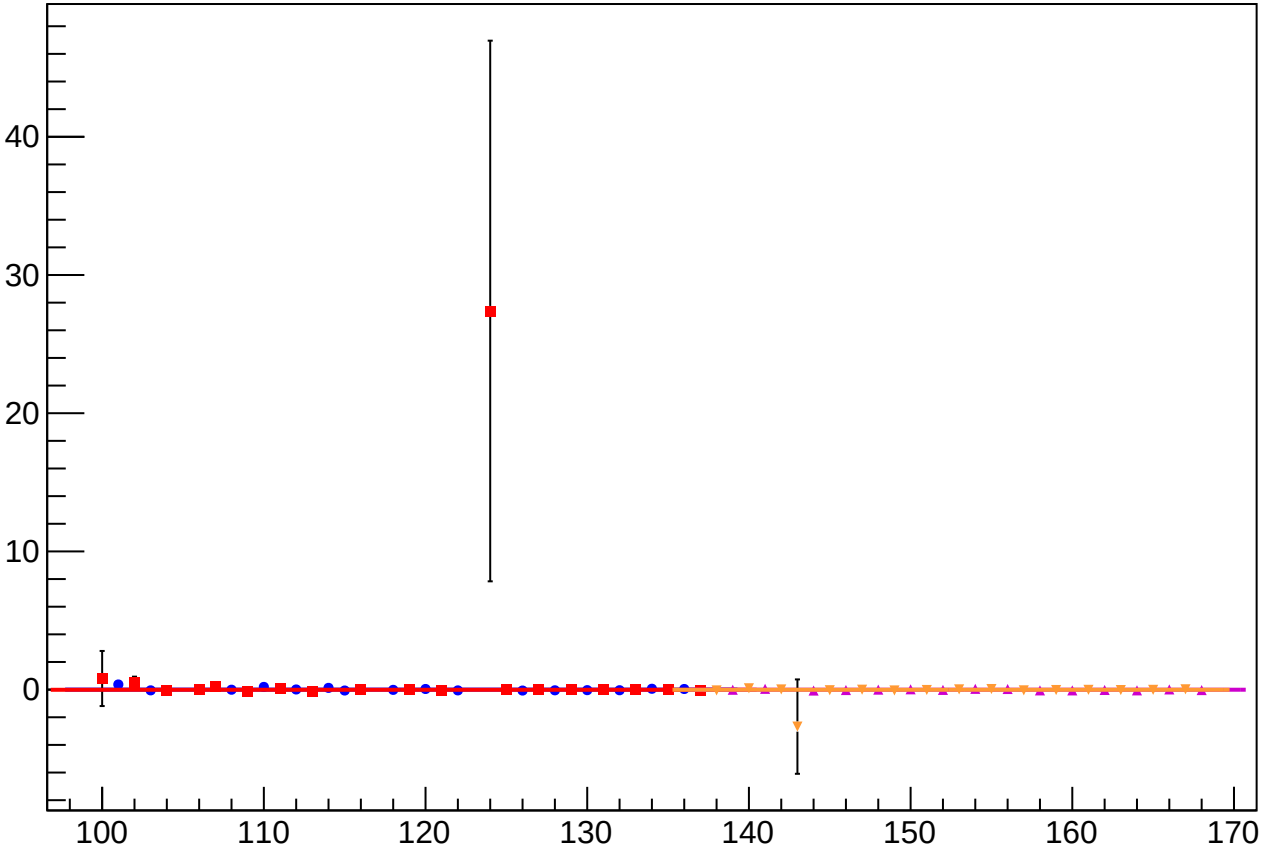
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.900+/-0.006 χ^2/NDF:2000070.6/30

Out: 32.729+/-0.006 χ^2/NDF:3826855.7/34

All: 32.816+/-0.004 χ^2/NDF: 5827342.2/65

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.010 χ^2/NDF:17.0/14

Left: -0.008+/-0.007 χ^2/NDF: 34.2/30

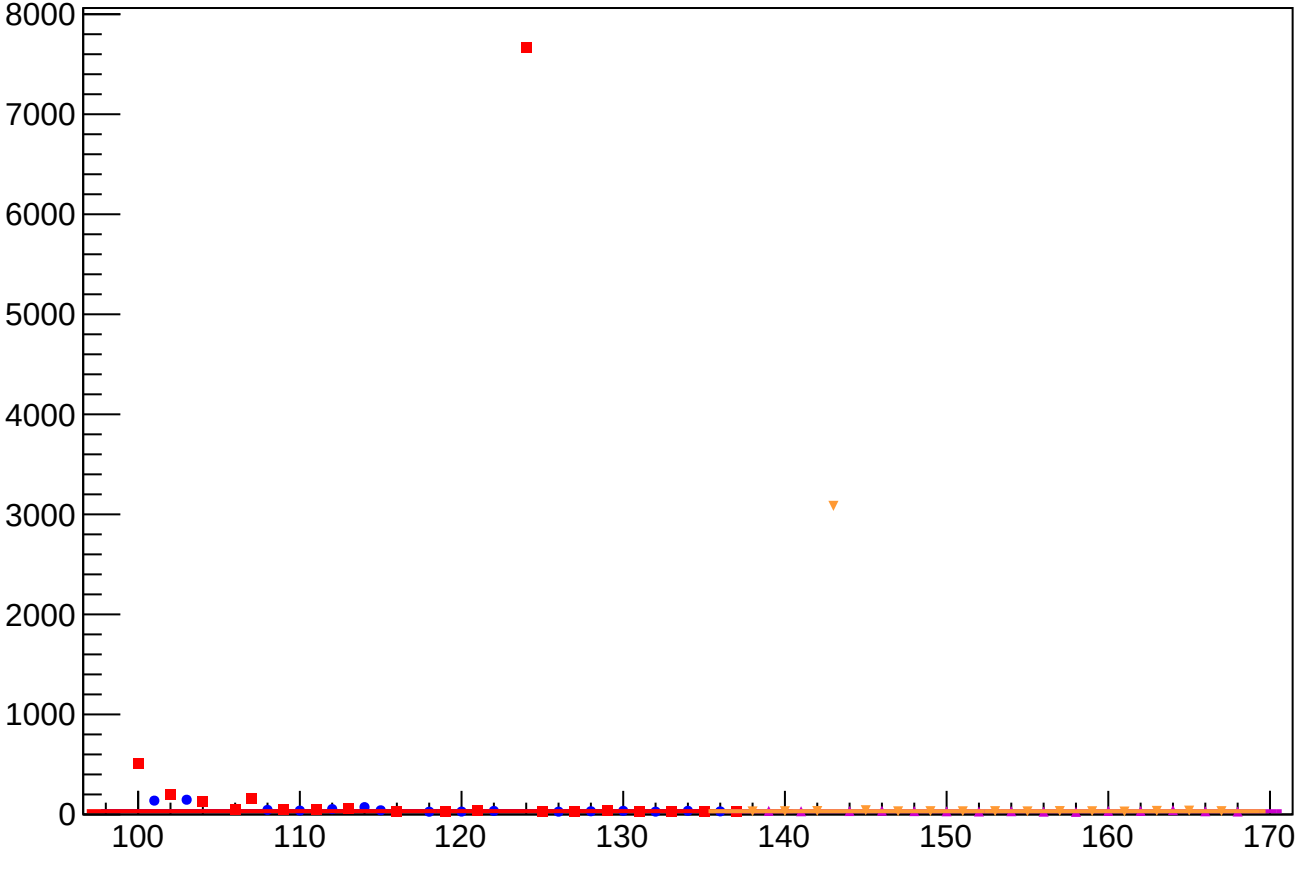
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:38.3/30

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 70.0/65

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: 32.561+/-0.007 χ^2/NDF:1750053.5/15

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.365+/-0.007 χ^2/NDF:264861.5/14

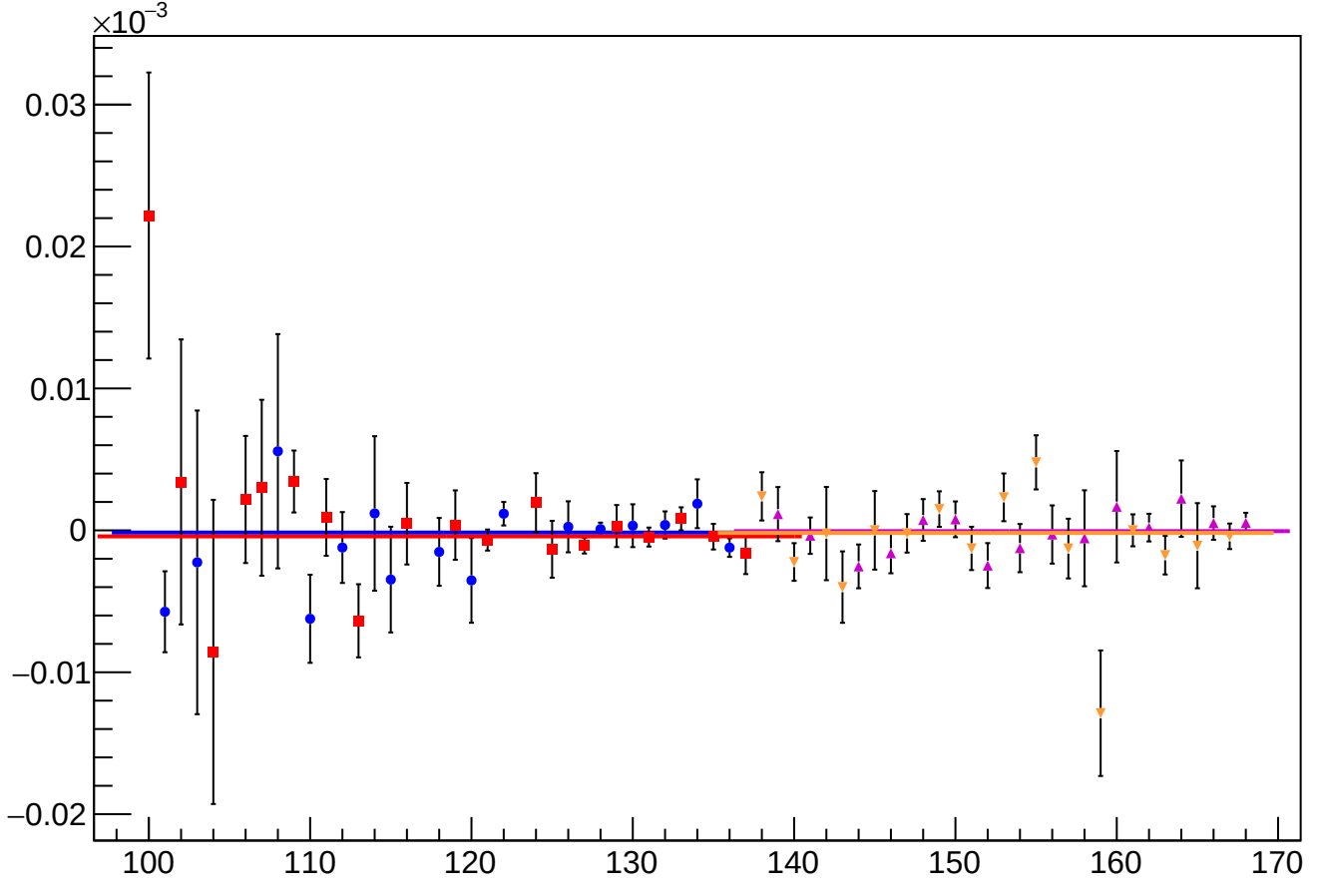
Left: 32.461+/-0.005 χ^2/NDF: 2015287.3/30

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.900+/-0.006 χ^2/NDF:2000070.6/30

Out: 32.729+/-0.006 χ^2/NDF:3826855.7/34

All: 32.816+/-0.004 χ^2/NDF: 5827342.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/14

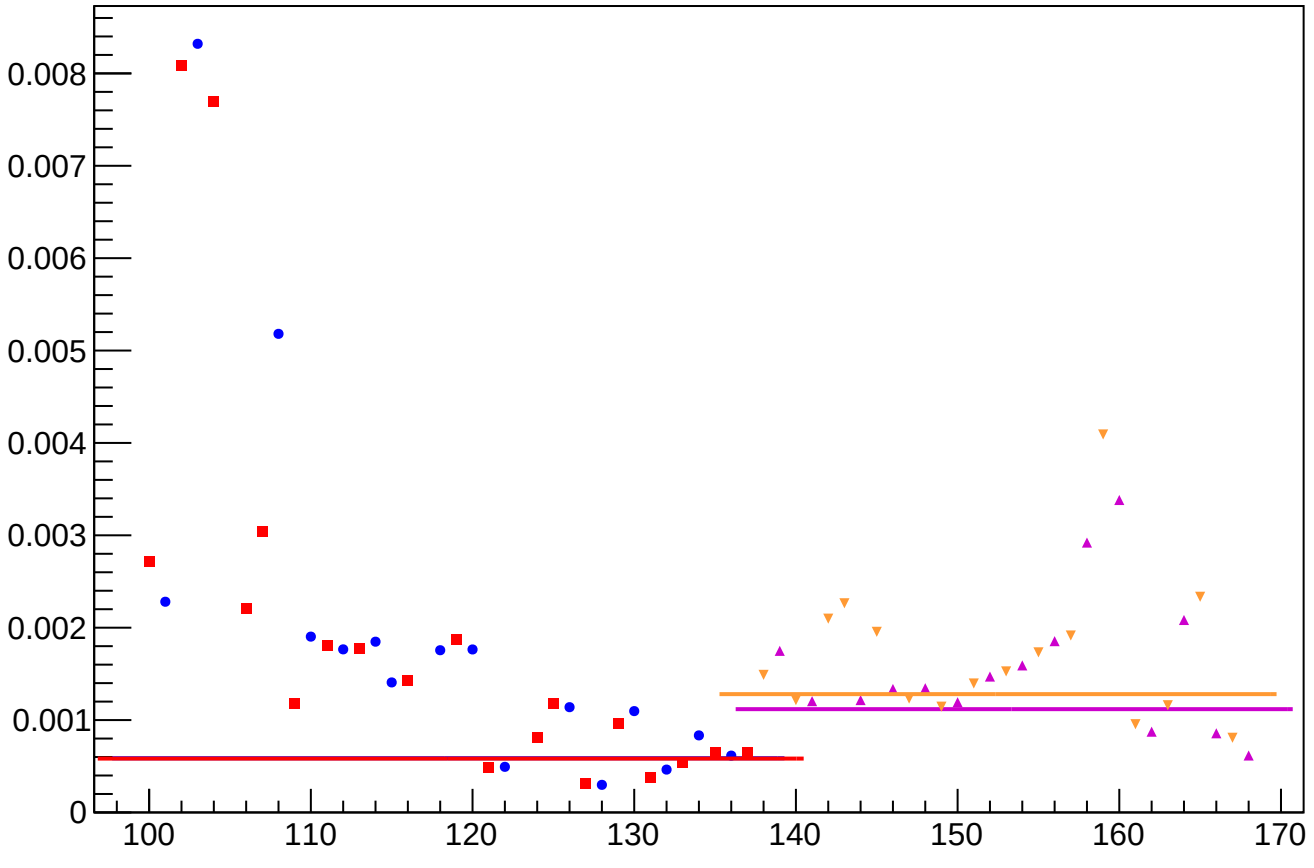
Left: -0.000+/-0.000 χ^2/NDF: 38.2/30

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: -0.000+/-0.000 χ^2/NDF:50.2/34

All: -0.000+/-0.000 χ^2/NDF: 78.6/65



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:2746393.5/15

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:3572446.4/14

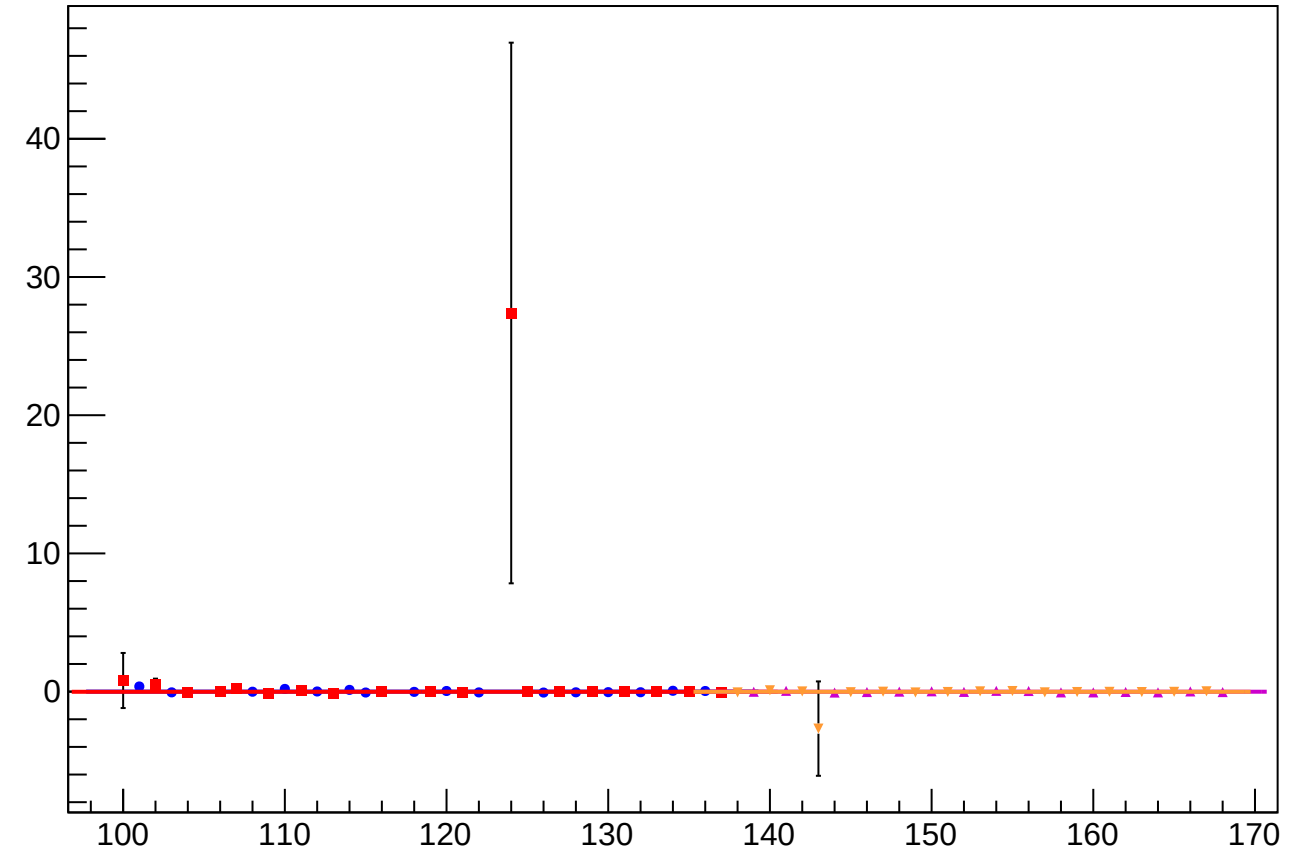
Left: 0.001+/-0.000 χ^2/NDF: 6507744.9/30

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11720798.4/30

Out: 0.001+/-0.000 χ^2/NDF:12315937.9/34

All: 0.001+/-0.000 χ^2/NDF: 24045316.7/65



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.010 χ^2/NDF:17.0/14

Left: -0.008+/-0.007 χ^2/NDF: 34.2/30

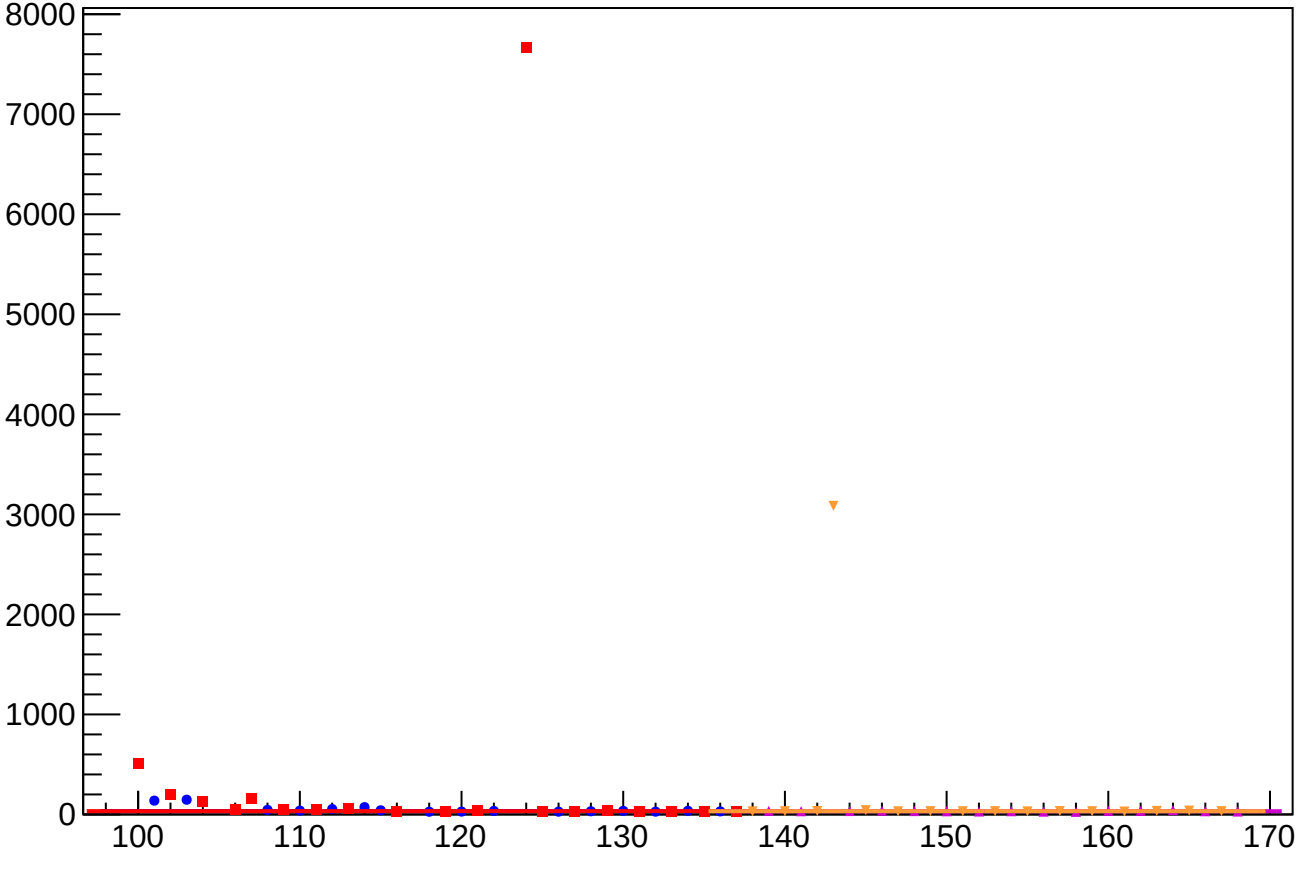
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:38.3/30

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 70.0/65

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: 32.561+/-0.007 χ^2/NDF:1750048.1/15

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.366+/-0.007 χ^2/NDF:264784.4/14

Left: 32.461+/-0.005 χ^2/NDF: 2015203.9/30

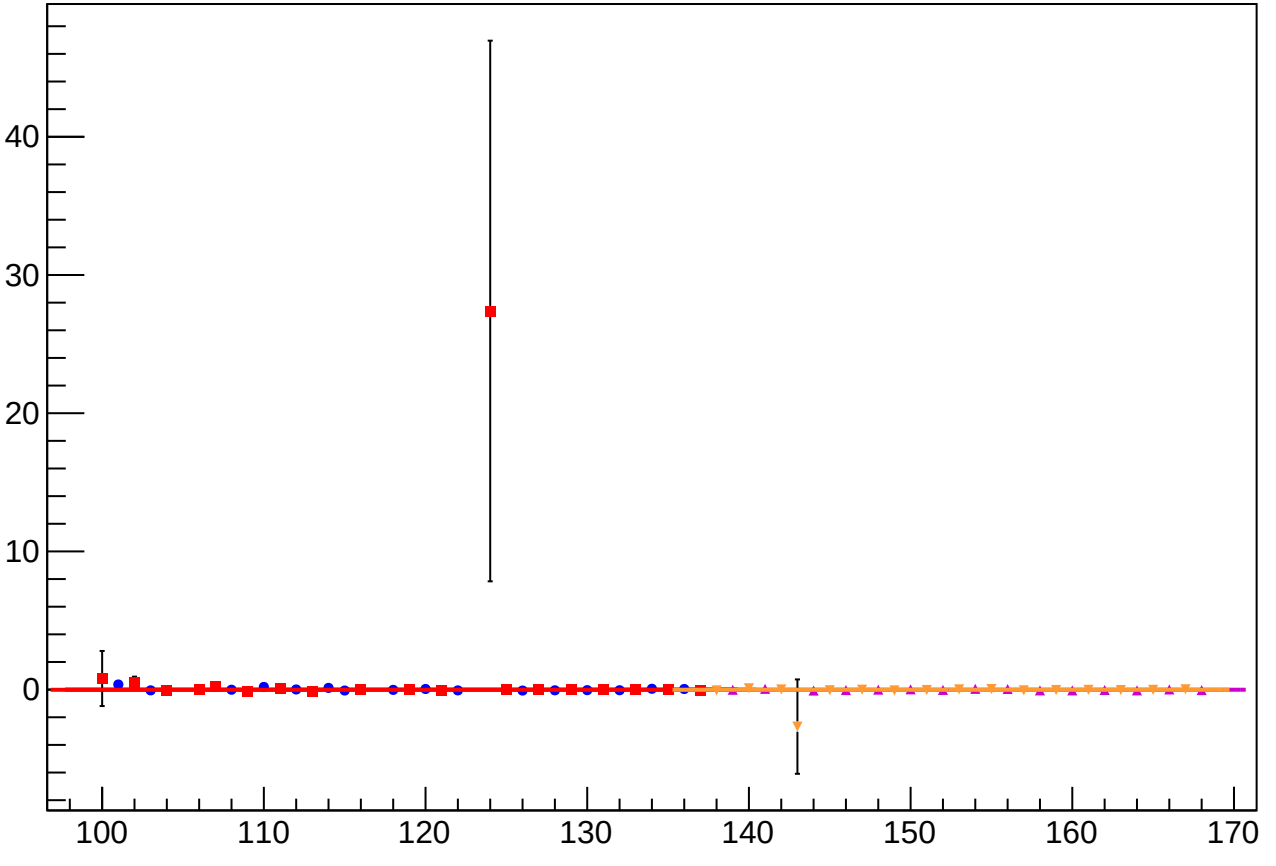
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.900+/-0.006 χ^2/NDF:1999976.4/30

Out: 32.729+/-0.006 χ^2/NDF:3826830.6/34

All: 32.816+/-0.004 χ^2/NDF: 5827223.9/65

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.010 χ^2/NDF:17.2/15

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.010 χ^2/NDF:17.0/14

Left: -0.008+/-0.007 χ^2/NDF: 34.2/30

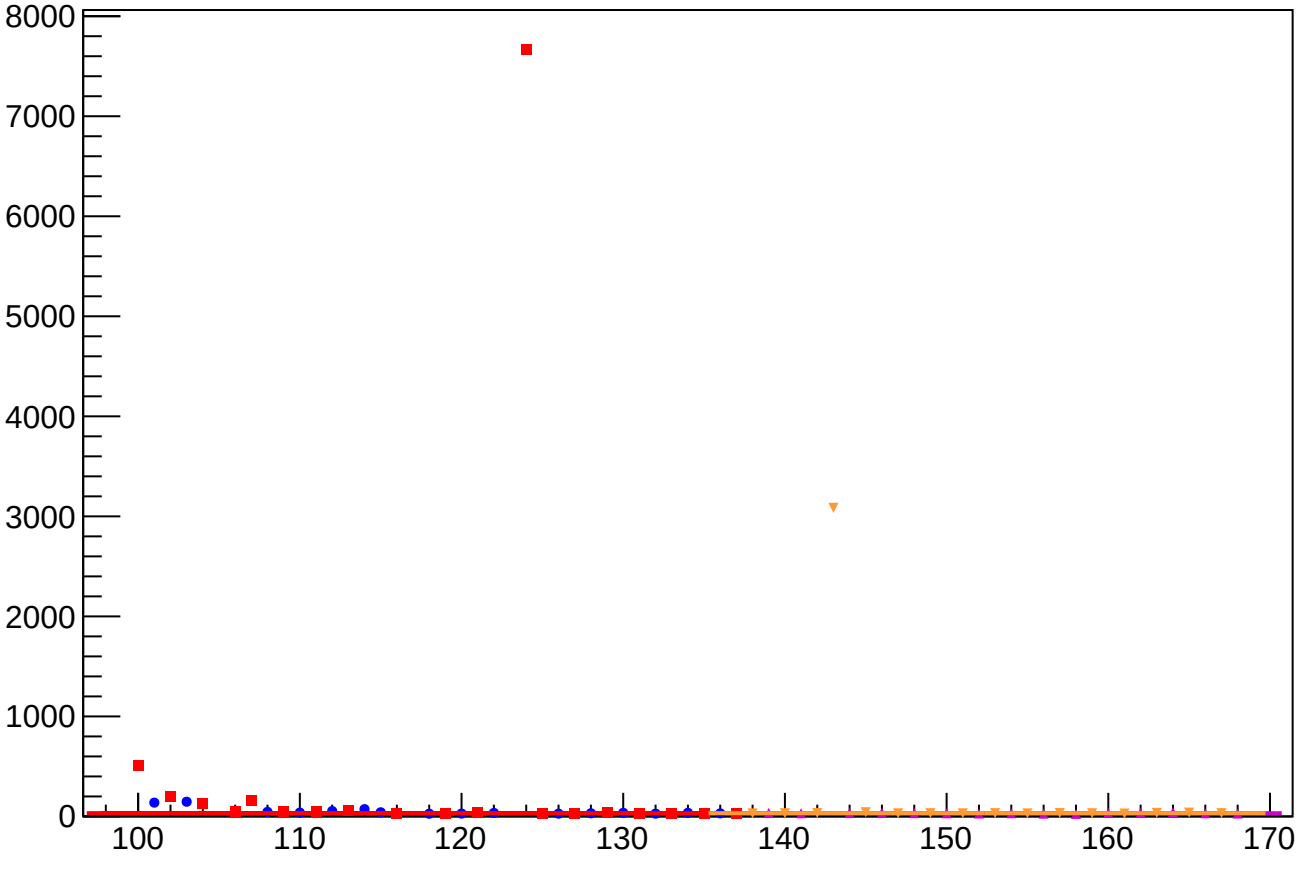
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:38.3/30

Out: -0.010+/-0.008 χ^2/NDF:31.4/34

All: -0.007+/-0.006 χ^2/NDF: 70.0/65

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: 32.561+/-0.007 χ^2/NDF:1750048.1/15

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.366+/-0.007 χ^2/NDF:264784.4/14

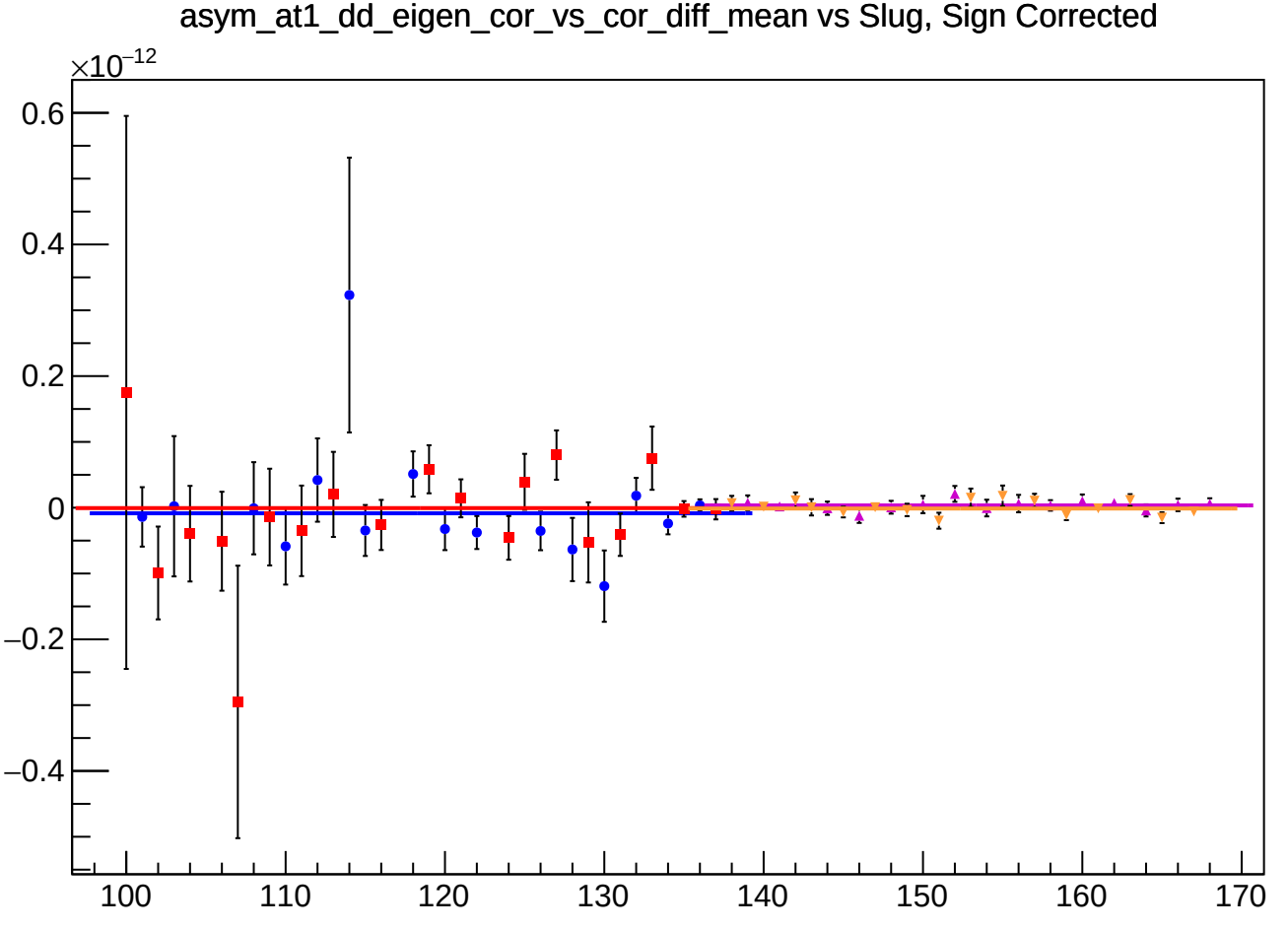
Left: 32.461+/-0.005 χ^2/NDF: 2015203.9/30

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.900+/-0.006 χ^2/NDF:1999976.4/30

Out: 32.729+/-0.006 χ^2/NDF:3826830.6/34

All: 32.816+/-0.004 χ^2/NDF: 5827223.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/14

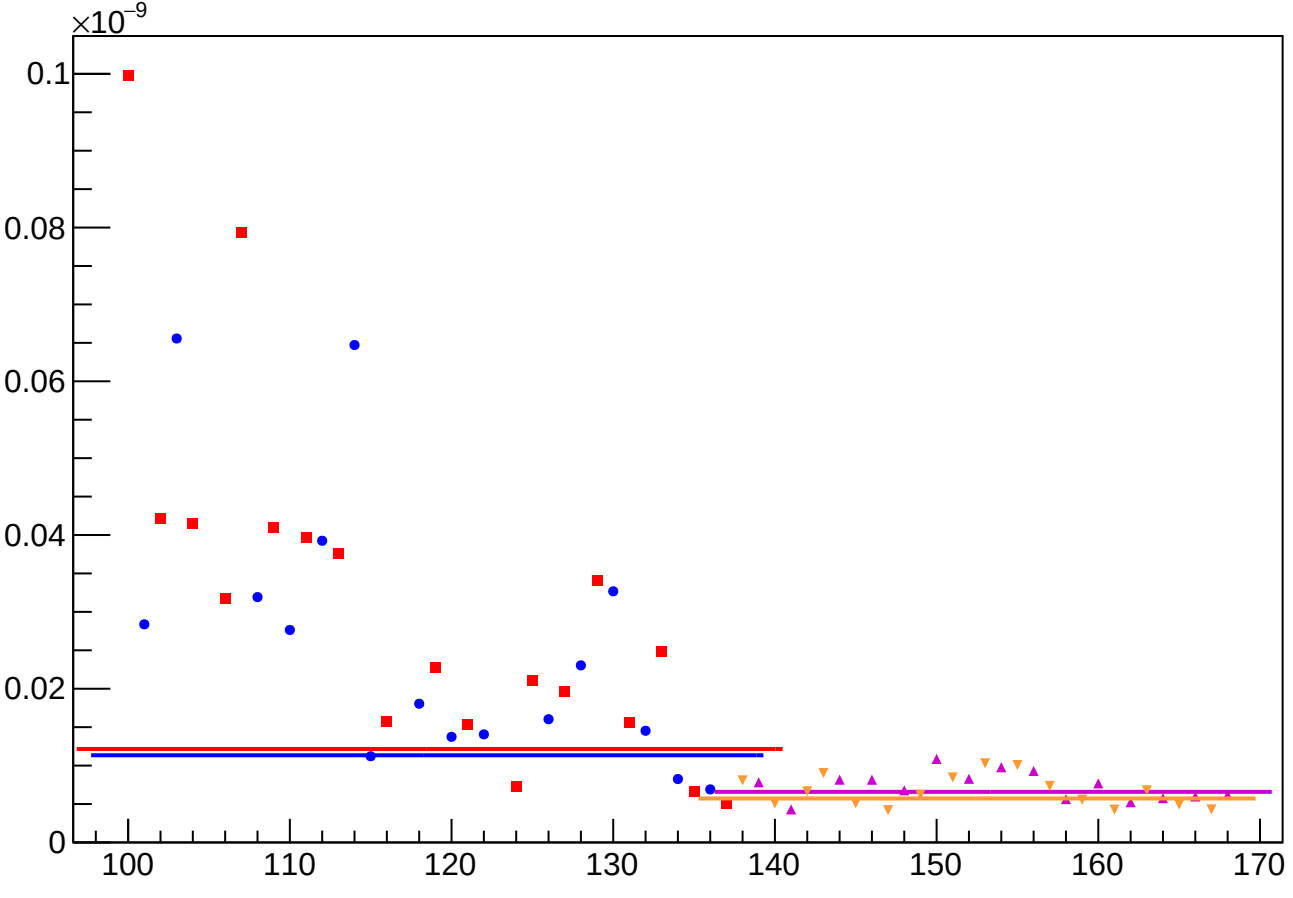
Left: 0.000+/-0.000 χ^2/NDF: 24.1/30

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.5/30

Out: -0.000+/-0.000 χ^2/NDF:36.6/34

All: 0.000+/-0.000 χ^2/NDF: 66.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136636.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1002268.4/14

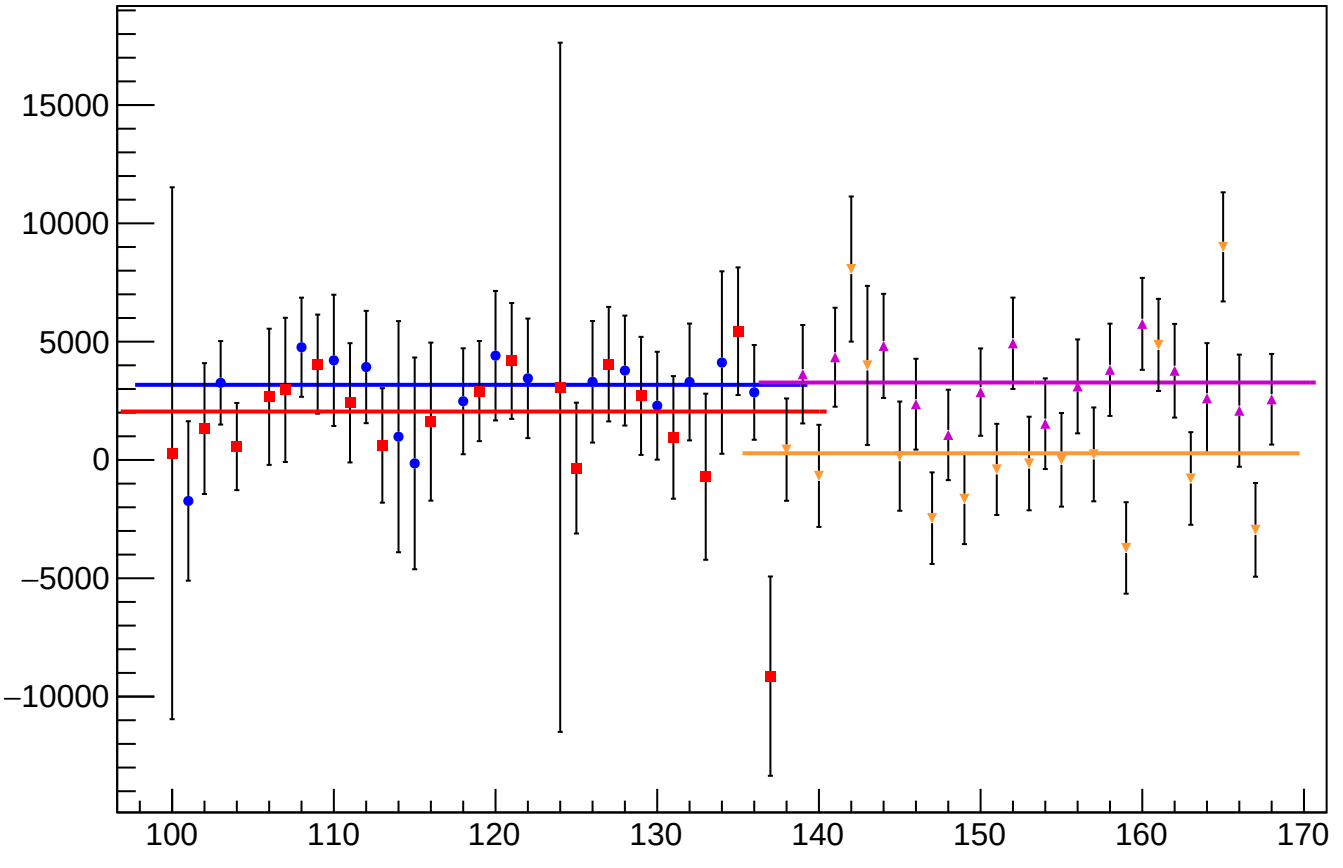
Left: 0.000+/-0.000 χ^2/NDF: 2277733.4/30

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4782395.6/30

Out: 0.000+/-0.000 χ^2/NDF:6340531.4/34

All: 0.000+/-0.000 χ^2/NDF: 11302040.6/65



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 283.062+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3272.594+/-518.690 χ^2/NDF:6.2/14

Left: 1797.281+/-369.148 χ^2/NDF: 60.8/30

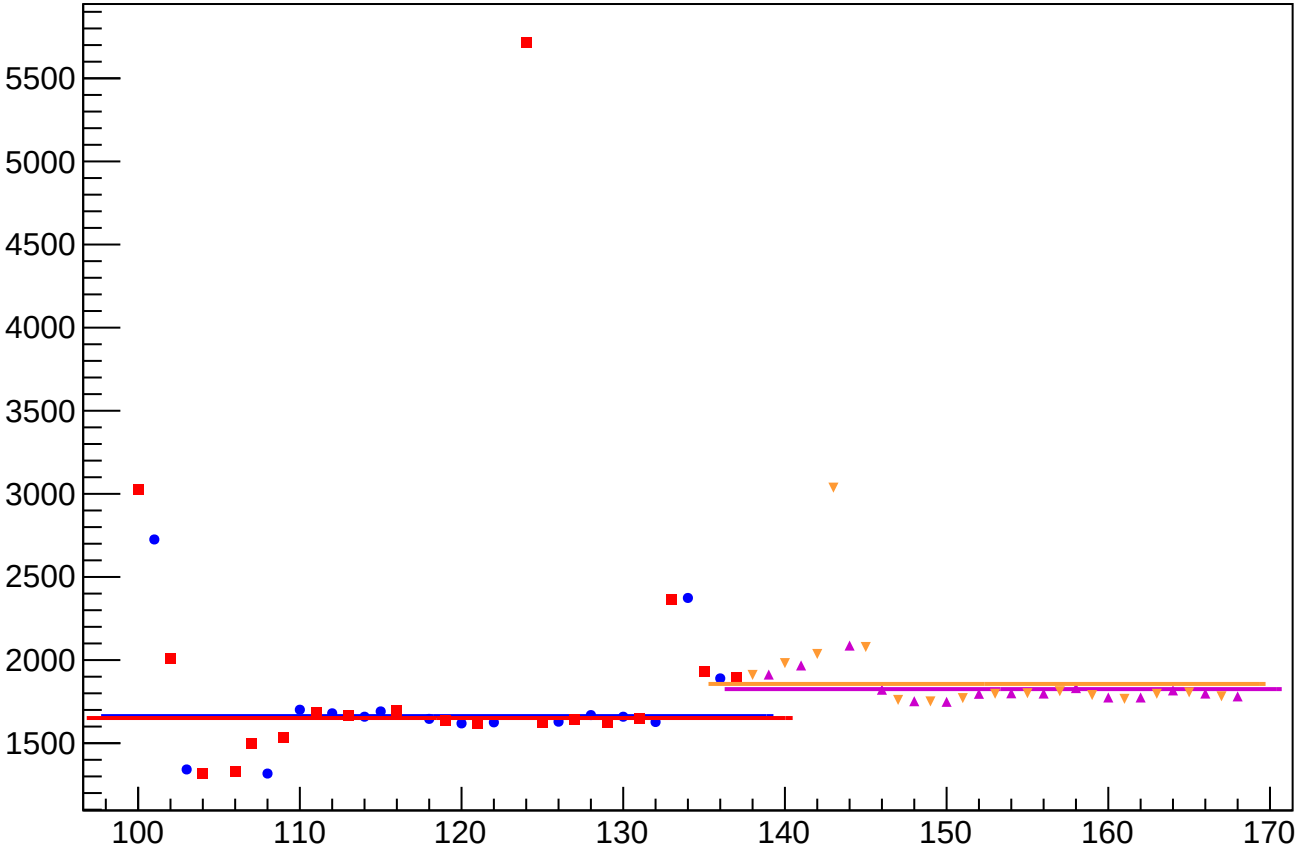
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3233.259+/-399.917 χ^2/NDF:10.5/30

Out: 1018.569+/-401.275 χ^2/NDF:56.9/34

All: 2129.667+/-283.263 χ^2/NDF: 82.7/65

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

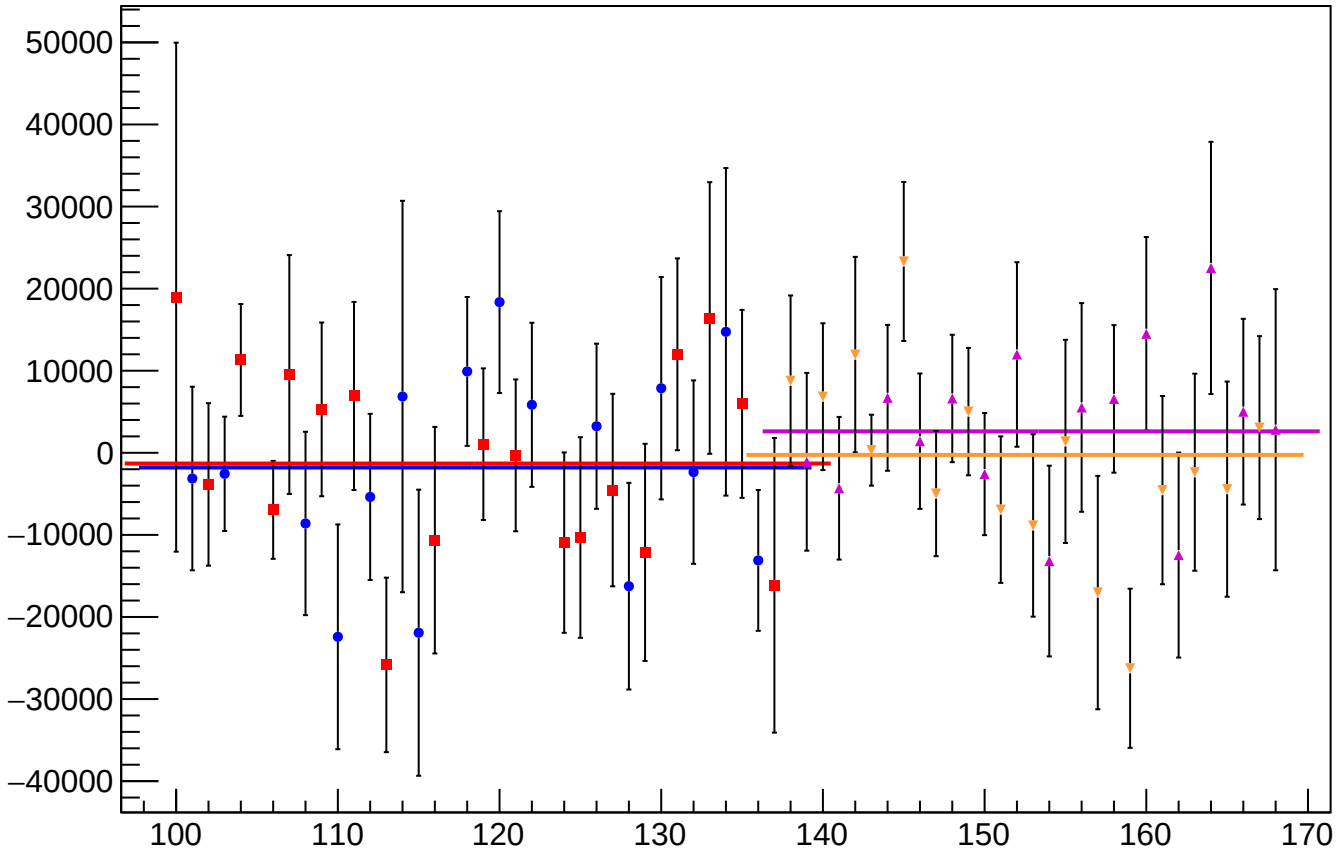
Left: 1840.683+/-0.261 χ^2/NDF: 367882.1/30

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1759.454+/-0.283 χ^2/NDF:547735.8/30

Out: 1770.937+/-0.284 χ^2/NDF:870762.7/34

All: 1765.176+/-0.200 χ^2/NDF: 1419320.1/65



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -254.313+/-2246.792 χ^2/NDF:19.3/15

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2613.280+/-2610.369 χ^2/NDF:8.7/14

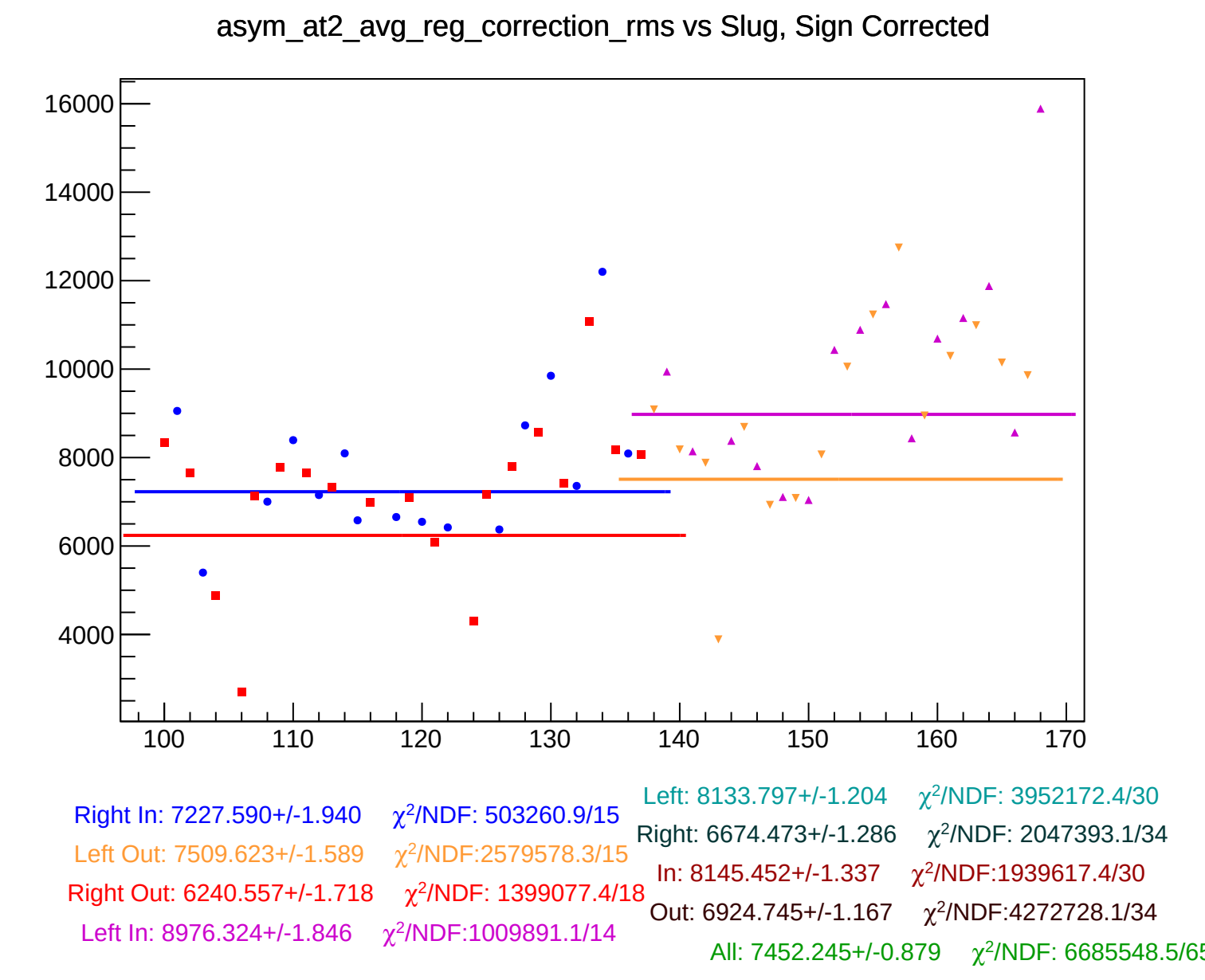
Left: 966.030+/-1702.880 χ^2/NDF: 28.8/30

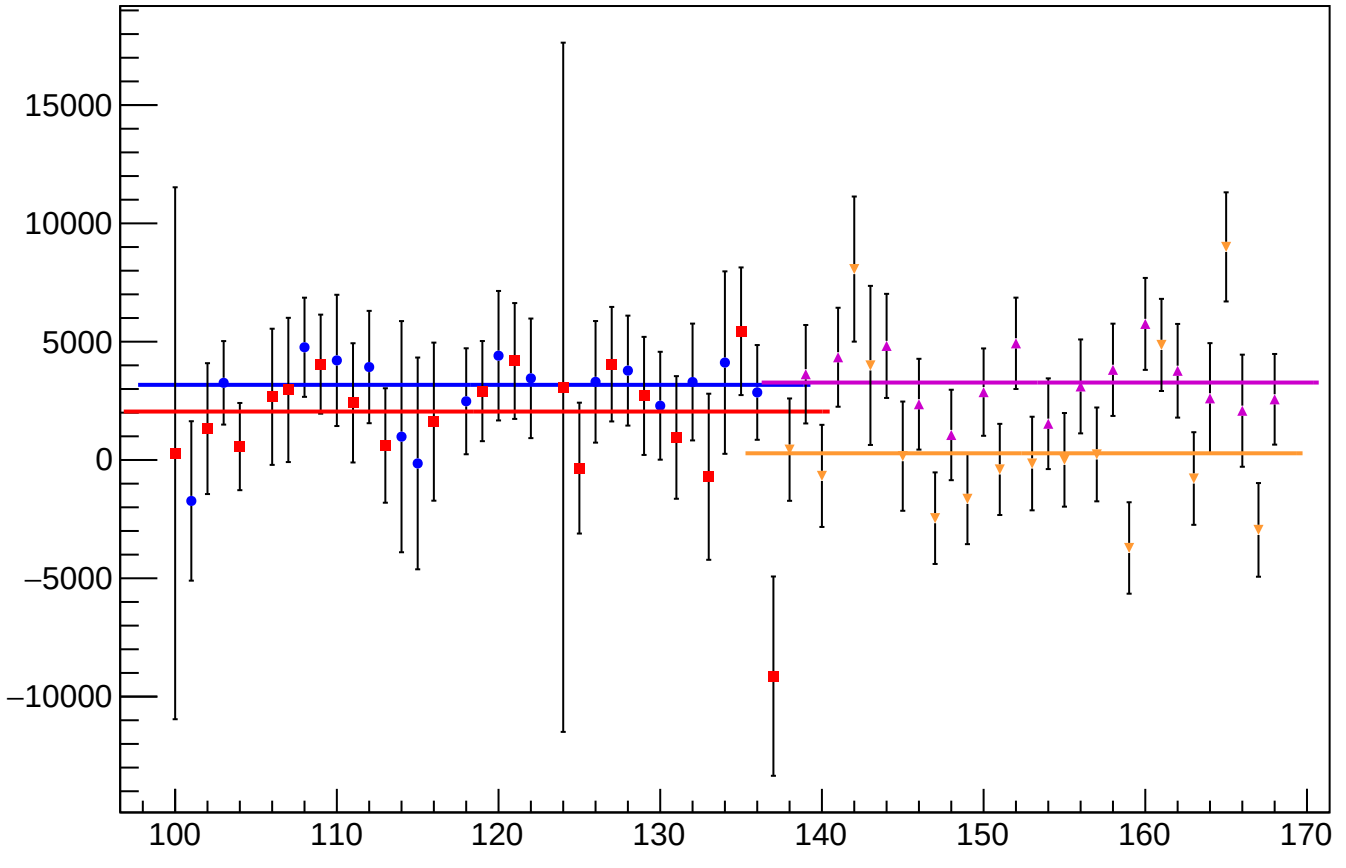
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 520.671+/-1891.162 χ^2/NDF:24.4/30

Out: -739.151+/-1649.713 χ^2/NDF:37.2/34

All: -194.748+/-1243.180 χ^2/NDF: 61.8/65


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7509.623+/-1.589 χ²/NDF:2579578.3/15
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8976.324+/-1.846 χ²/NDF:1009891.1/14
Left: 8133.797+/-1.204 χ²/NDF: 3952172.4/30
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8145.452+/-1.337 χ²/NDF:1939617.4/30
Out: 6924.745+/-1.167 χ²/NDF:4272728.1/34
All: 7452.245+/-0.879 χ²/NDF: 6685548.5/65



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3272.647+/-518.690 χ^2/NDF:6.2/14

Left: 1797.260+/-369.148 χ^2/NDF: 60.8/30

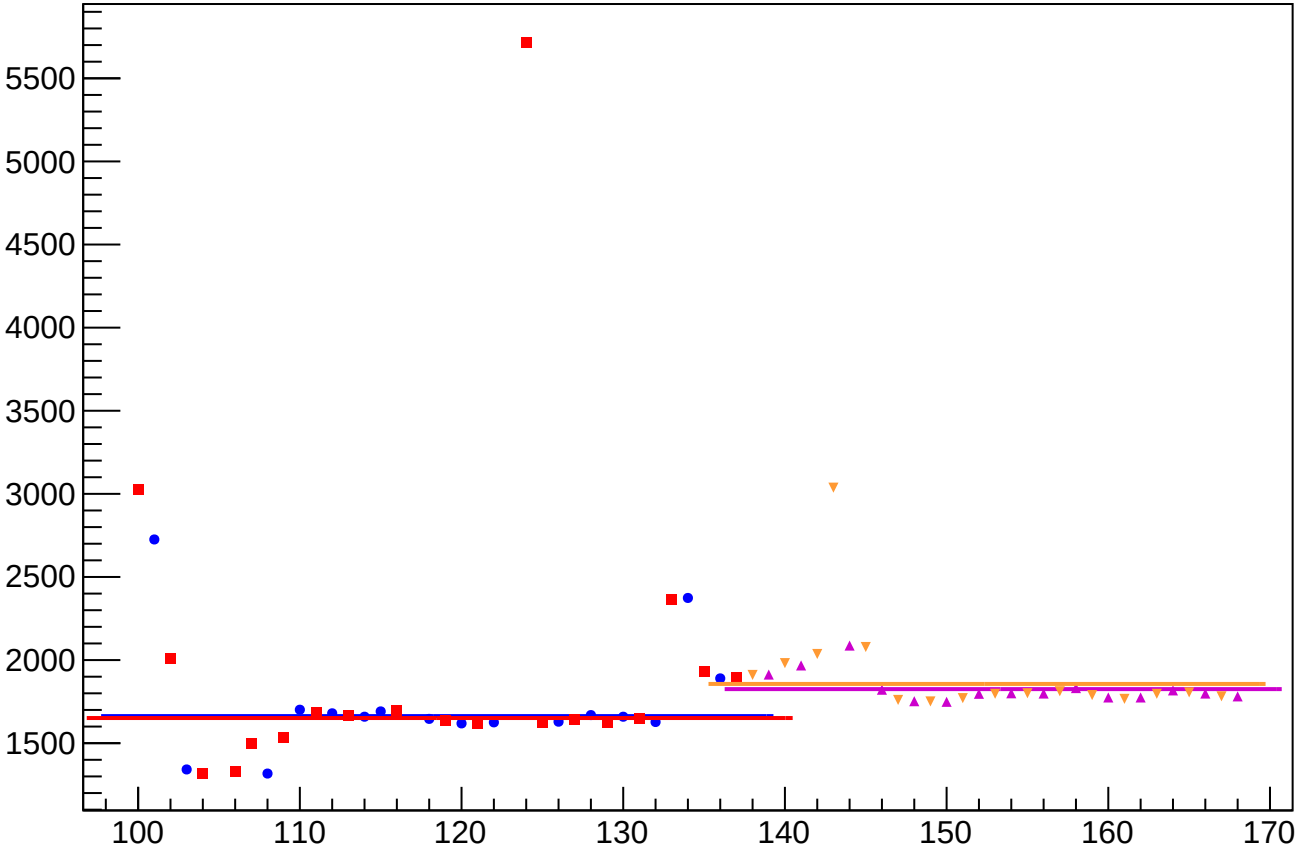
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3233.326+/-399.917 χ^2/NDF:10.5/30

Out: 1018.431+/-401.275 χ^2/NDF:56.9/34

All: 2129.632+/-283.263 χ^2/NDF: 82.7/65

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

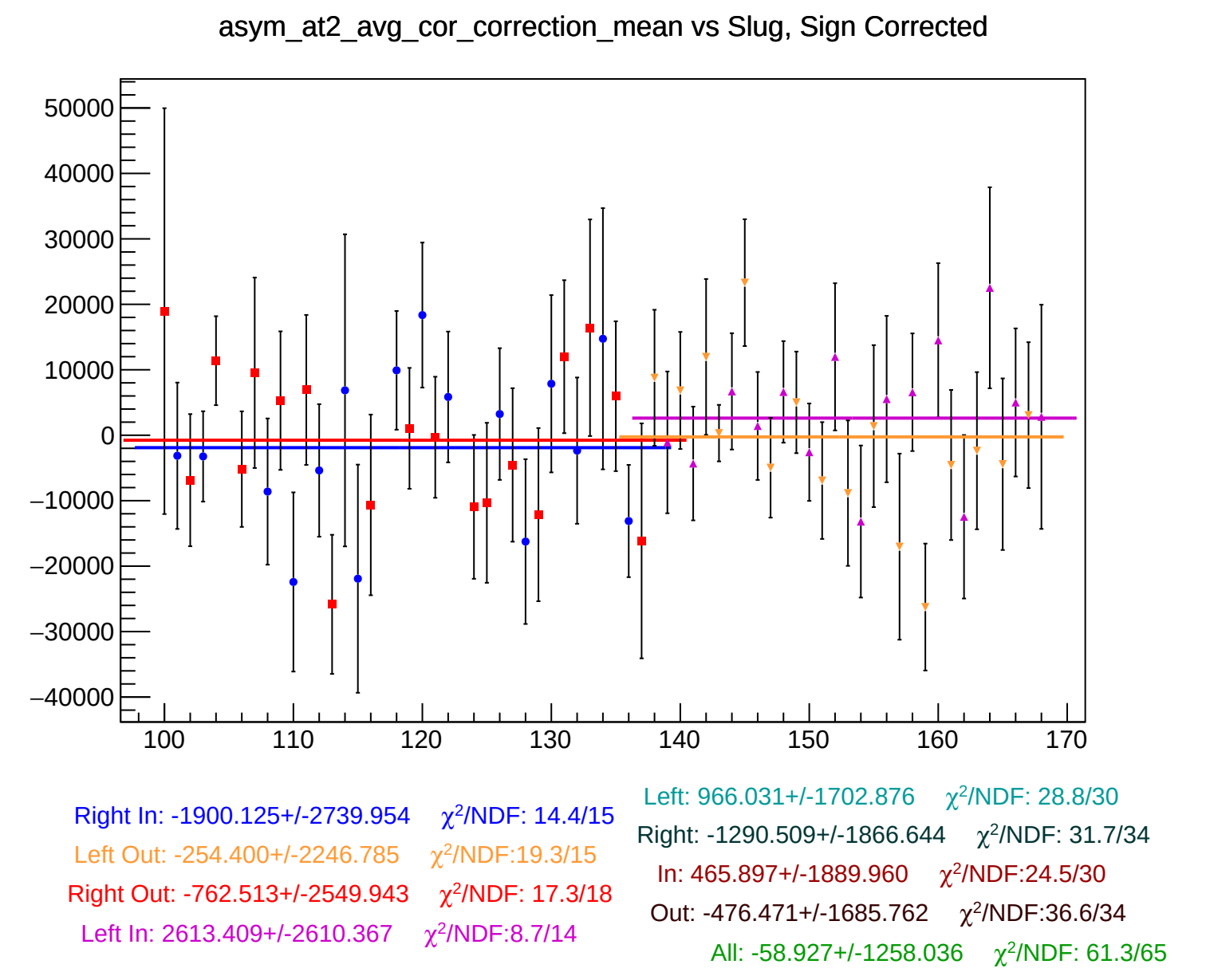
Left: 1840.683+/-0.261 χ^2/NDF: 367882.1/30

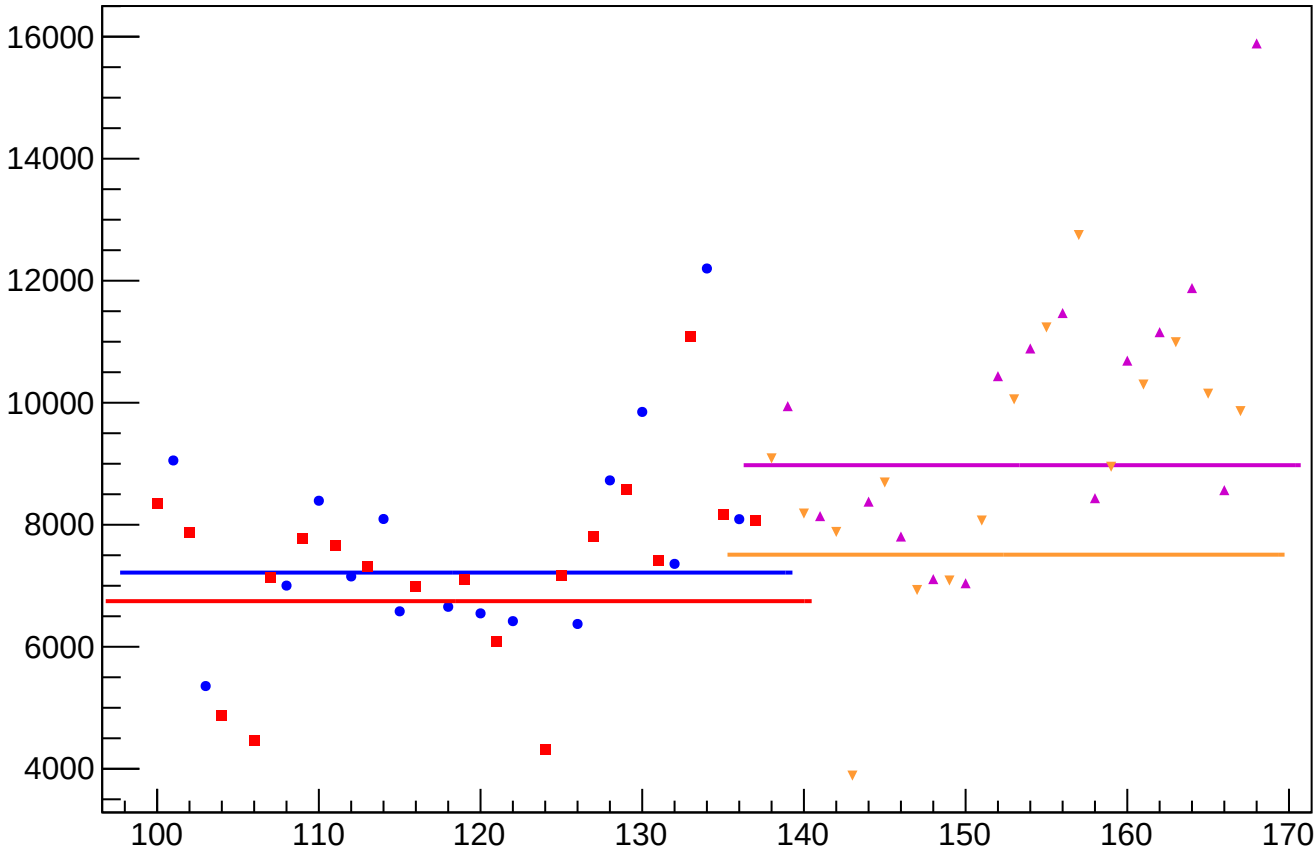
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1759.454+/-0.283 χ^2/NDF:547736.3/30

Out: 1770.937+/-0.284 χ^2/NDF:870763.0/34

All: 1765.176+/-0.200 χ^2/NDF: 1419320.9/65


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -254.400+/-2246.785 χ²/NDF:19.3/15
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 2613.409+/-2610.367 χ²/NDF:8.7/14
Left: 966.031+/-1702.876 χ²/NDF: 28.8/30
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: 465.897+/-1889.960 χ²/NDF:24.5/30
Out: -476.471+/-1685.762 χ²/NDF:36.6/34
All: -58.927+/-1258.036 χ²/NDF: 61.3/65



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8976.318+/-1.846 χ^2/NDF:1009895.2/14

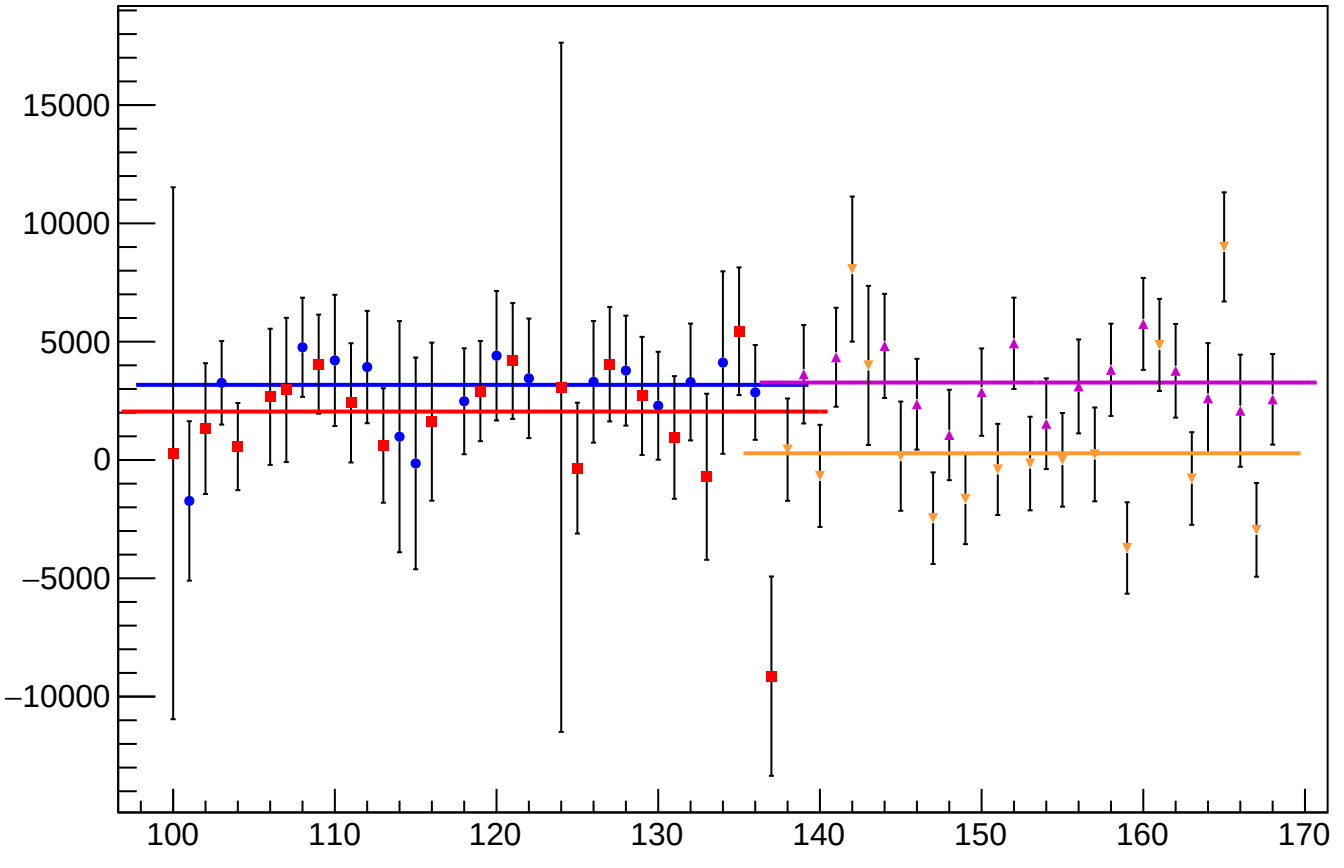
Left: 8133.773+/-1.204 χ^2/NDF: 3952252.2/30

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8138.784+/-1.336 χ^2/NDF:1954748.1/30

Out: 7176.621+/-1.192 χ^2/NDF:3388934.6/34

All: 7602.935+/-0.890 χ^2/NDF: 5632362.1/65



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 282.964+/-525.485 χ^2/NDF:38.2/15

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3272.647+/-518.690 χ^2/NDF:6.2/14

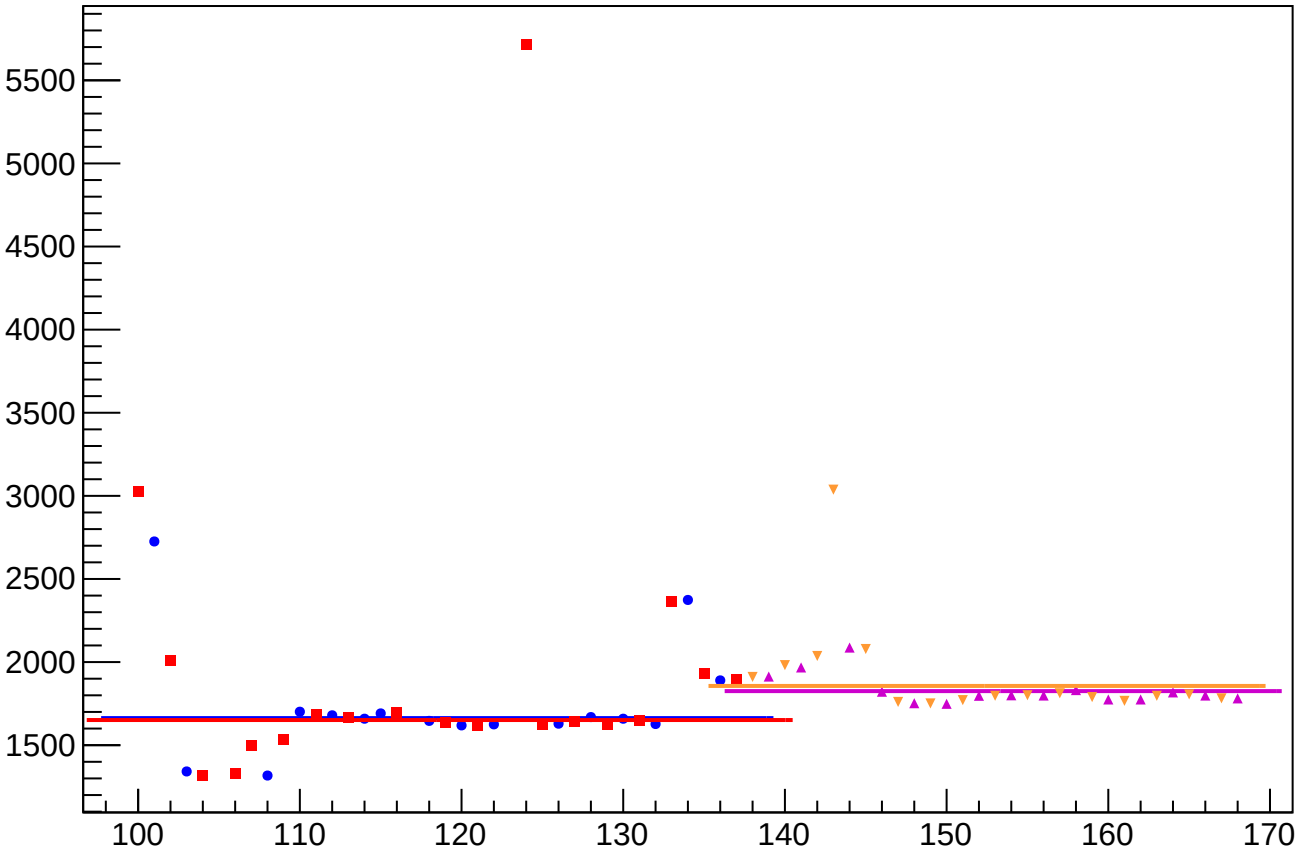
Left: 1797.260+/-369.148 χ^2/NDF: 60.8/30

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3233.326+/-399.917 χ^2/NDF:10.5/30

Out: 1018.431+/-401.275 χ^2/NDF:56.9/34

All: 2129.632+/-283.263 χ^2/NDF: 82.7/65



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1856.449+/-0.372 χ^2/NDF:311751.5/15

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1825.322+/-0.367 χ^2/NDF:52576.0/14

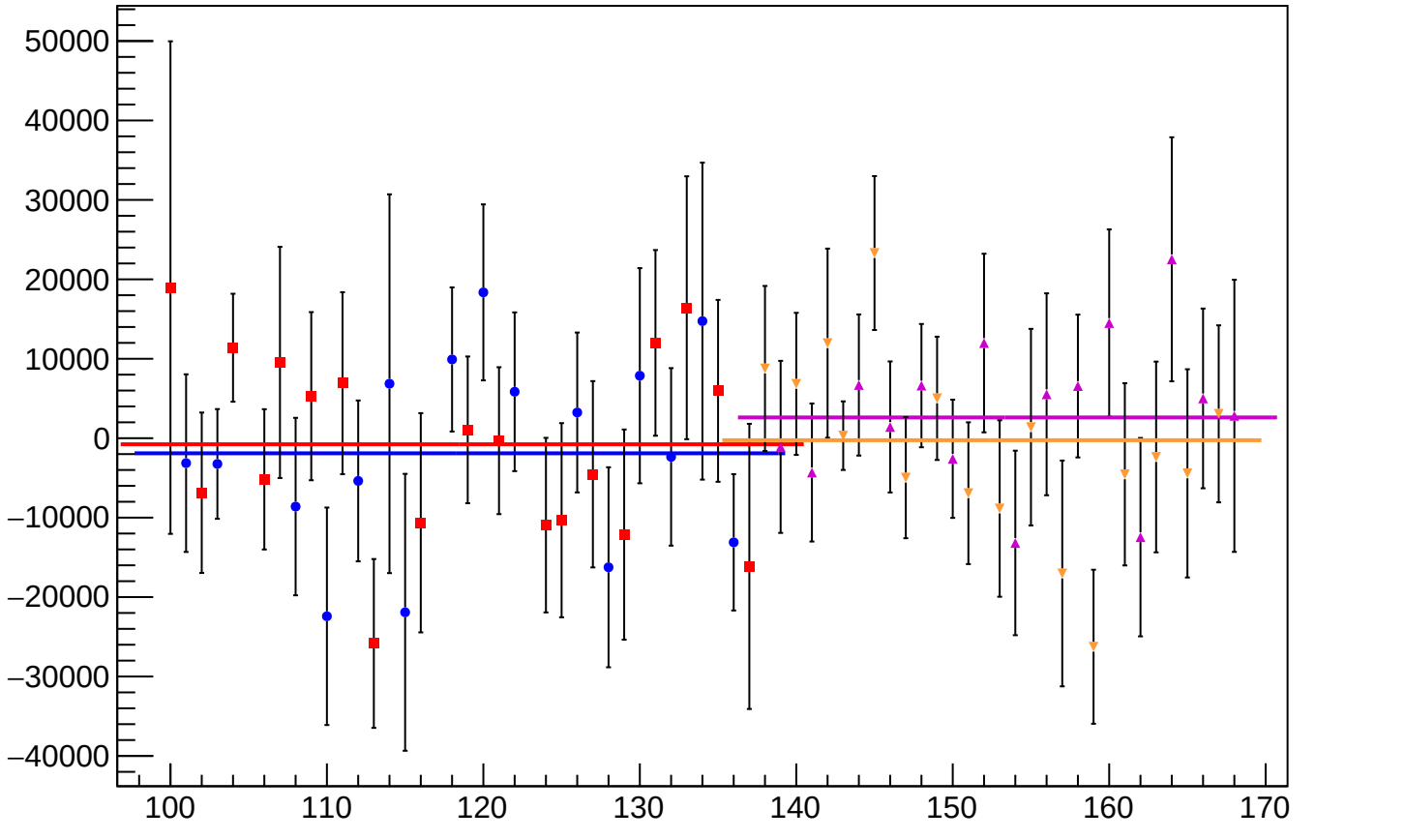
Left: 1840.683+/-0.261 χ^2/NDF: 367882.1/30

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1759.454+/-0.283 χ^2/NDF:547736.3/30

Out: 1770.937+/-0.284 χ^2/NDF:870763.0/34

All: 1765.176+/-0.200 χ^2/NDF: 1419320.9/65



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -254.400+/-2246.785 χ^2/NDF:19.3/15

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2613.409+/-2610.367 χ^2/NDF:8.7/14

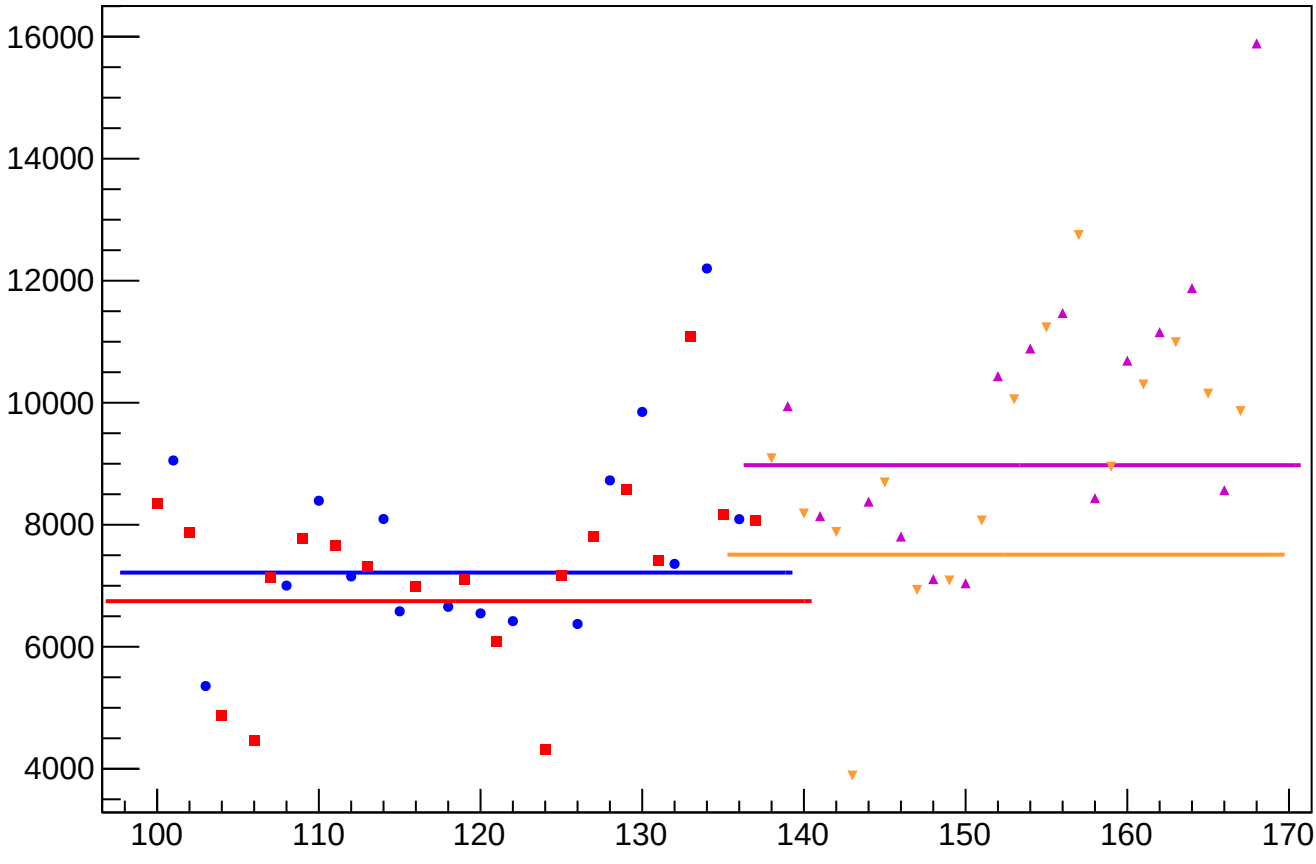
Left: 966.031+/-1702.876 χ^2/NDF: 28.8/30

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 465.897+/-1889.960 χ^2/NDF:24.5/30

Out: -476.471+/-1685.762 χ^2/NDF:36.6/34

All: -58.927+/-1258.036 χ^2/NDF: 61.3/65



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7509.588+/-1.589 χ^2/NDF:2579638.2/15

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8976.318+/-1.846 χ^2/NDF:1009895.2/14

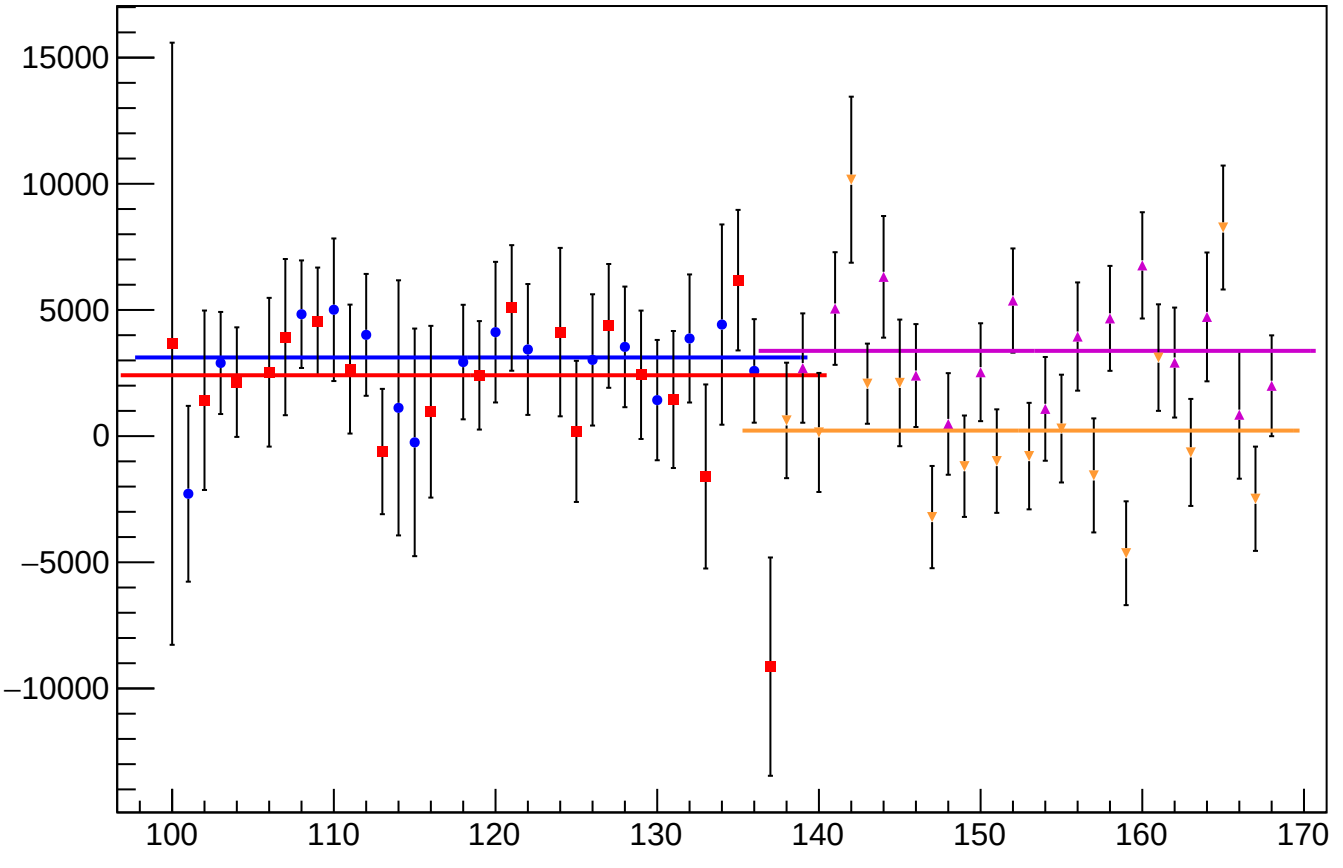
Left: 8133.773+/-1.204 χ^2/NDF: 3952252.2/30

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8138.784+/-1.336 χ^2/NDF:1954748.1/30

Out: 7176.621+/-1.192 χ^2/NDF:3388934.6/34

All: 7602.935+/-0.890 χ^2/NDF: 5632362.1/65



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 219.526+/-536.838 χ^2/NDF:35.7/15

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3379.065+/-554.358 χ^2/NDF:11.7/14

Left: 1748.580+/-385.647 χ^2/NDF: 64.1/30

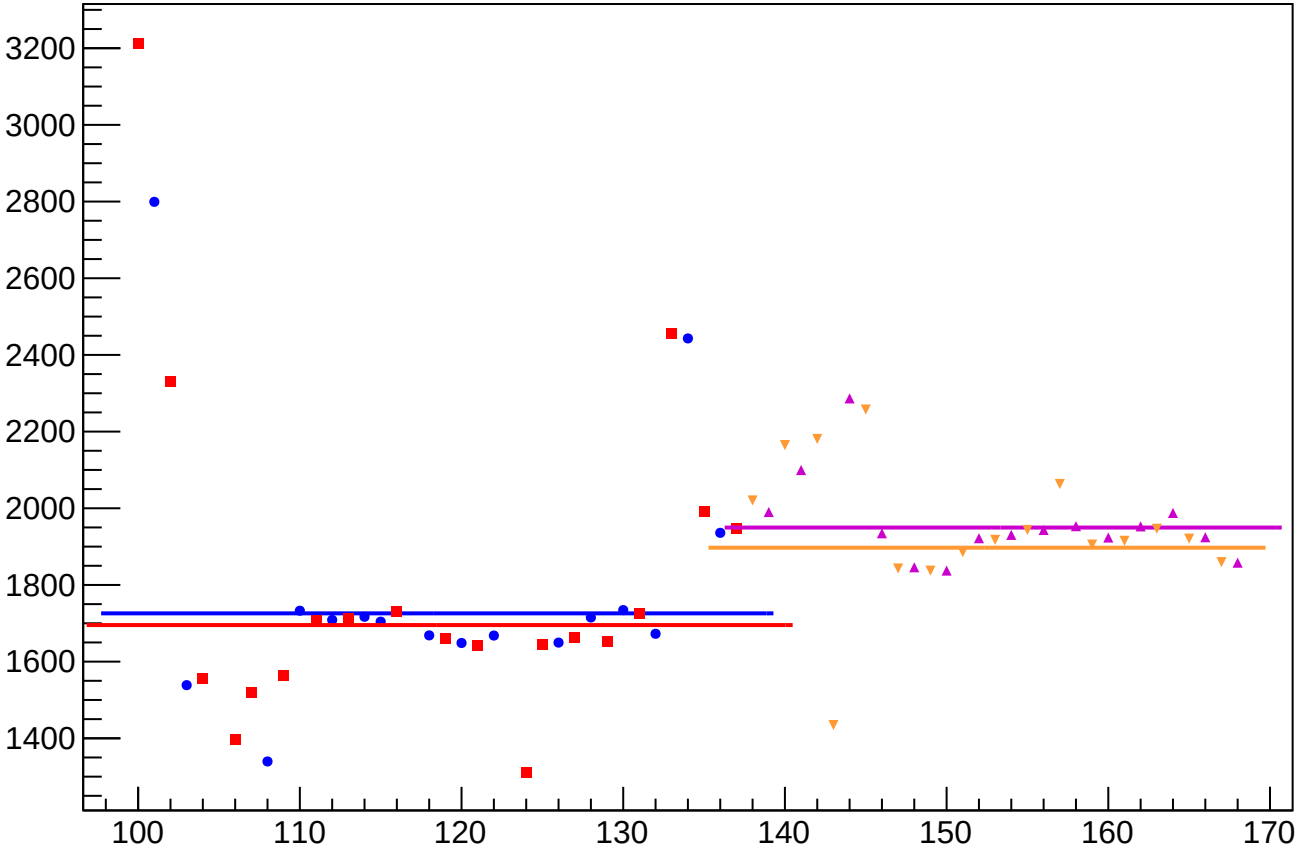
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3269.302+/-422.097 χ^2/NDF:17.1/30

Out: 1126.865+/-411.040 χ^2/NDF:58.6/34

All: 2169.654+/-294.480 χ^2/NDF: 88.9/65

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1897.213+/-0.380 χ^2/NDF:274710.7/15

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1949.708+/-0.392 χ^2/NDF:66626.6/14

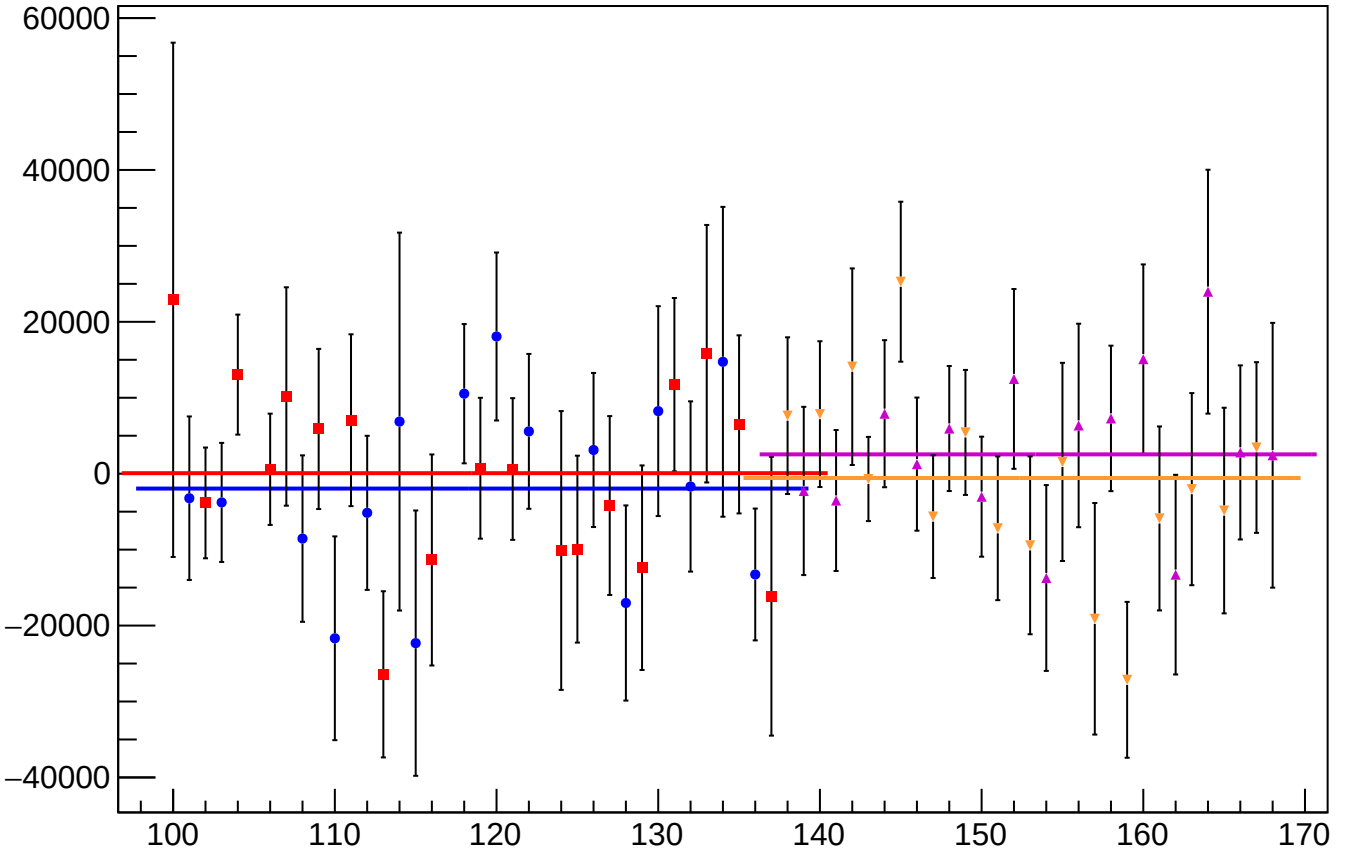
Left: 1922.618+/-0.273 χ^2/NDF: 350592.3/30

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1855.658+/-0.298 χ^2/NDF:569247.0/30

Out: 1813.670+/-0.291 χ^2/NDF:677343.4/34

All: 1834.104+/-0.208 χ^2/NDF: 1256749.5/65



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -566.468+/-2481.551 χ^2/NDF:19.3/15

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 2546.161+/-2757.964 χ^2/NDF:8.7/14

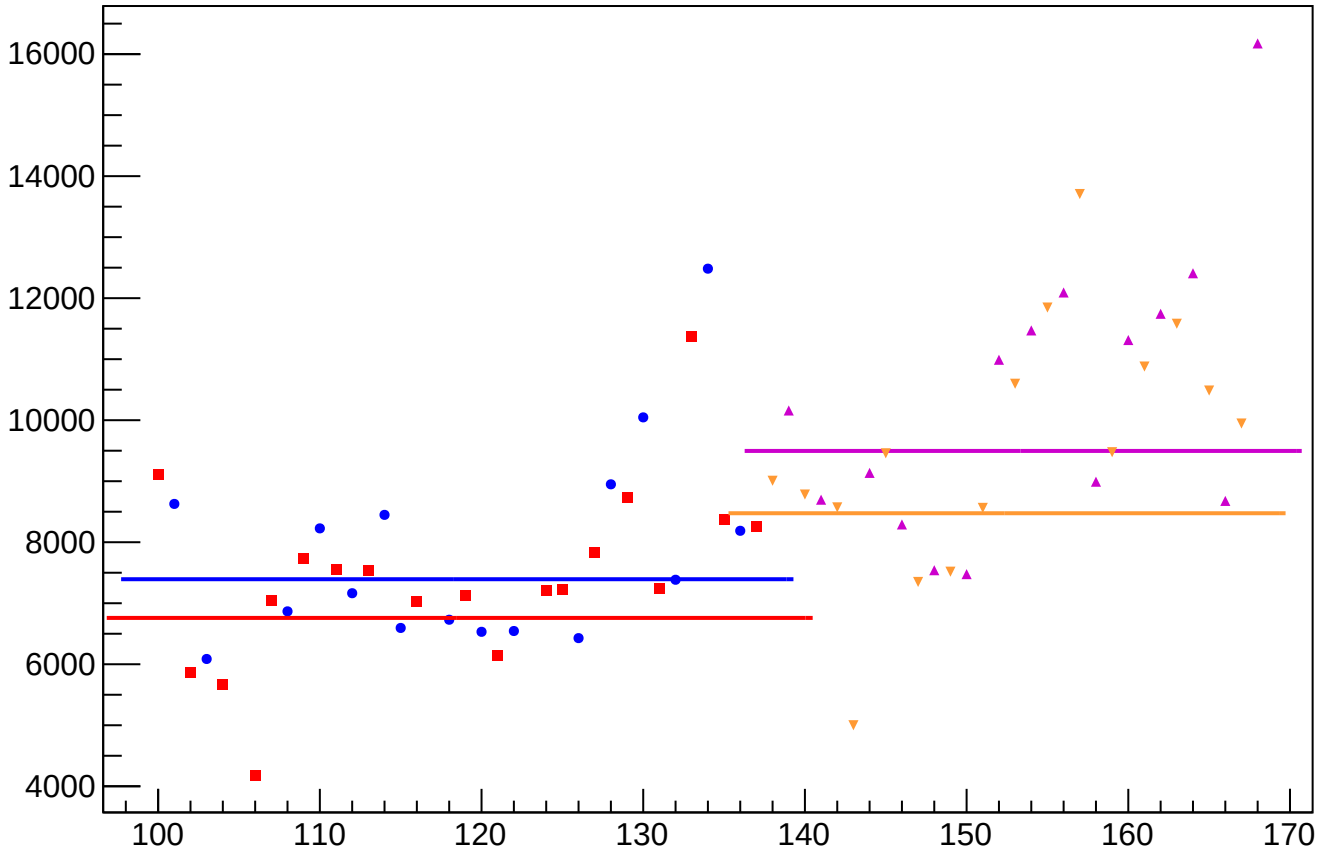
Left: 826.094+/-1844.728 χ^2/NDF: 28.7/30

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: 326.508+/-1964.284 χ^2/NDF:24.4/30

Out: -255.231+/-1771.440 χ^2/NDF:35.5/34

All: 5.688+/-1315.507 χ^2/NDF: 59.9/65



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8475.105+/-1.755 χ^2/NDF:1608174.3/15

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9496.277+/-1.950 χ^2/NDF:940935.2/14

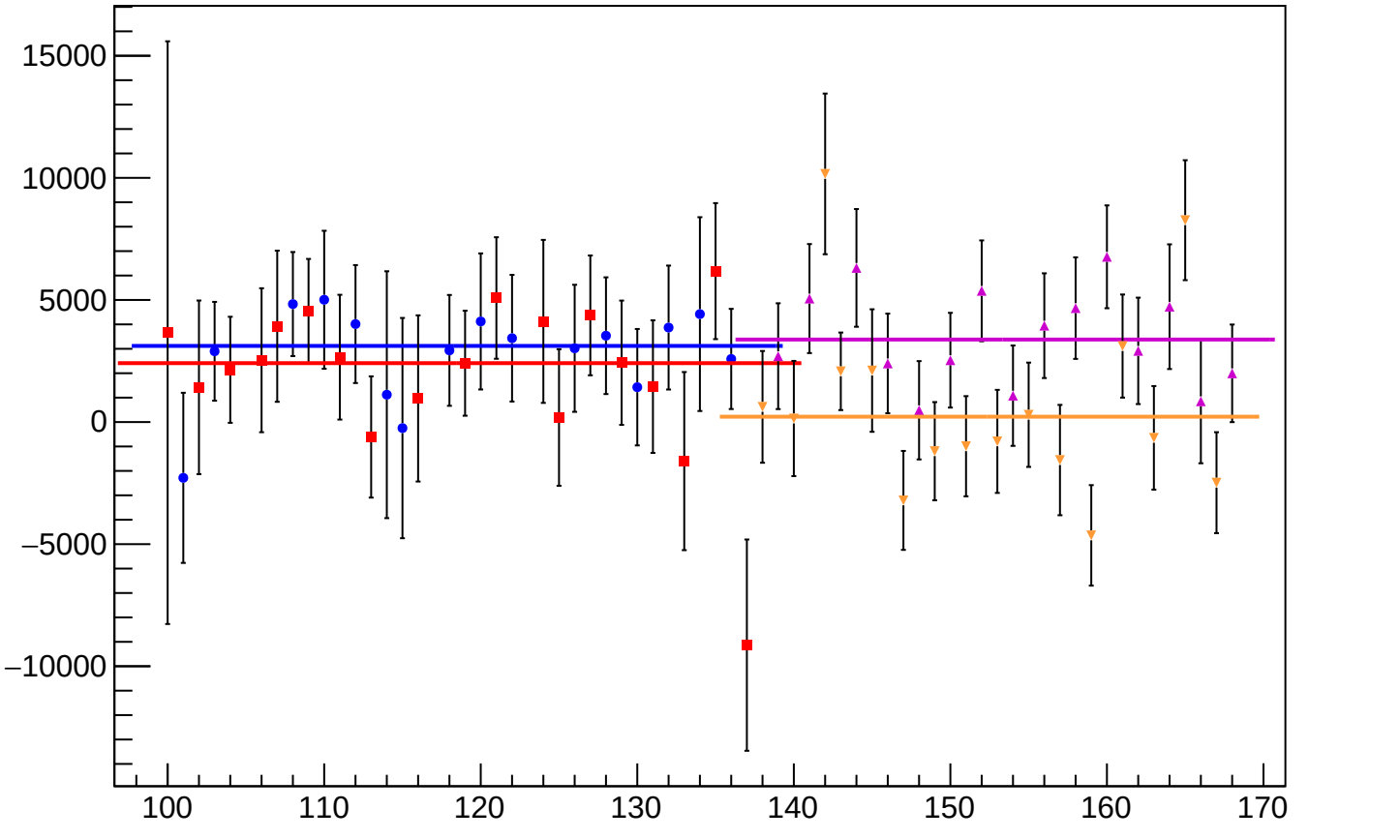
Left: 8931.968+/-1.304 χ^2/NDF: 2700628.9/30

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8460.217+/-1.389 χ^2/NDF:1915565.8/30

Out: 7633.691+/-1.253 χ^2/NDF:2721310.1/34

All: 8004.401+/-0.930 χ^2/NDF: 4832160.3/65



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 219.510+/-536.839 χ^2/NDF:35.7/15

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3379.067+/-554.359 χ^2/NDF:11.7/14

Left: 1748.573+/-385.648 χ^2/NDF: 64.1/30

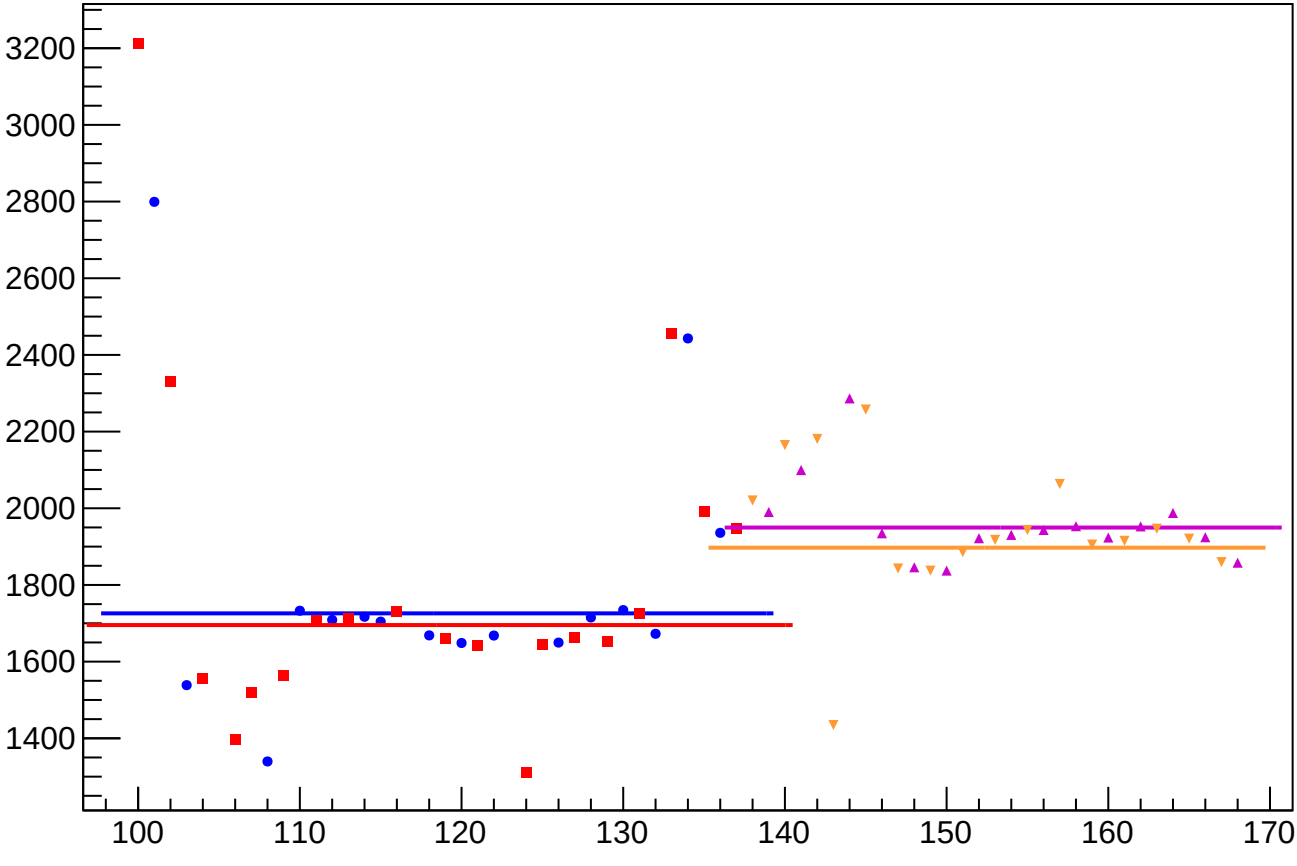
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3269.304+/-422.097 χ^2/NDF:17.1/30

Out: 1126.861+/-411.040 χ^2/NDF:58.6/34

All: 2169.654+/-294.481 χ^2/NDF: 88.9/65

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1897.216+/-0.380 χ^2/NDF:274712.0/15

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1949.712+/-0.392 χ^2/NDF:66626.9/14

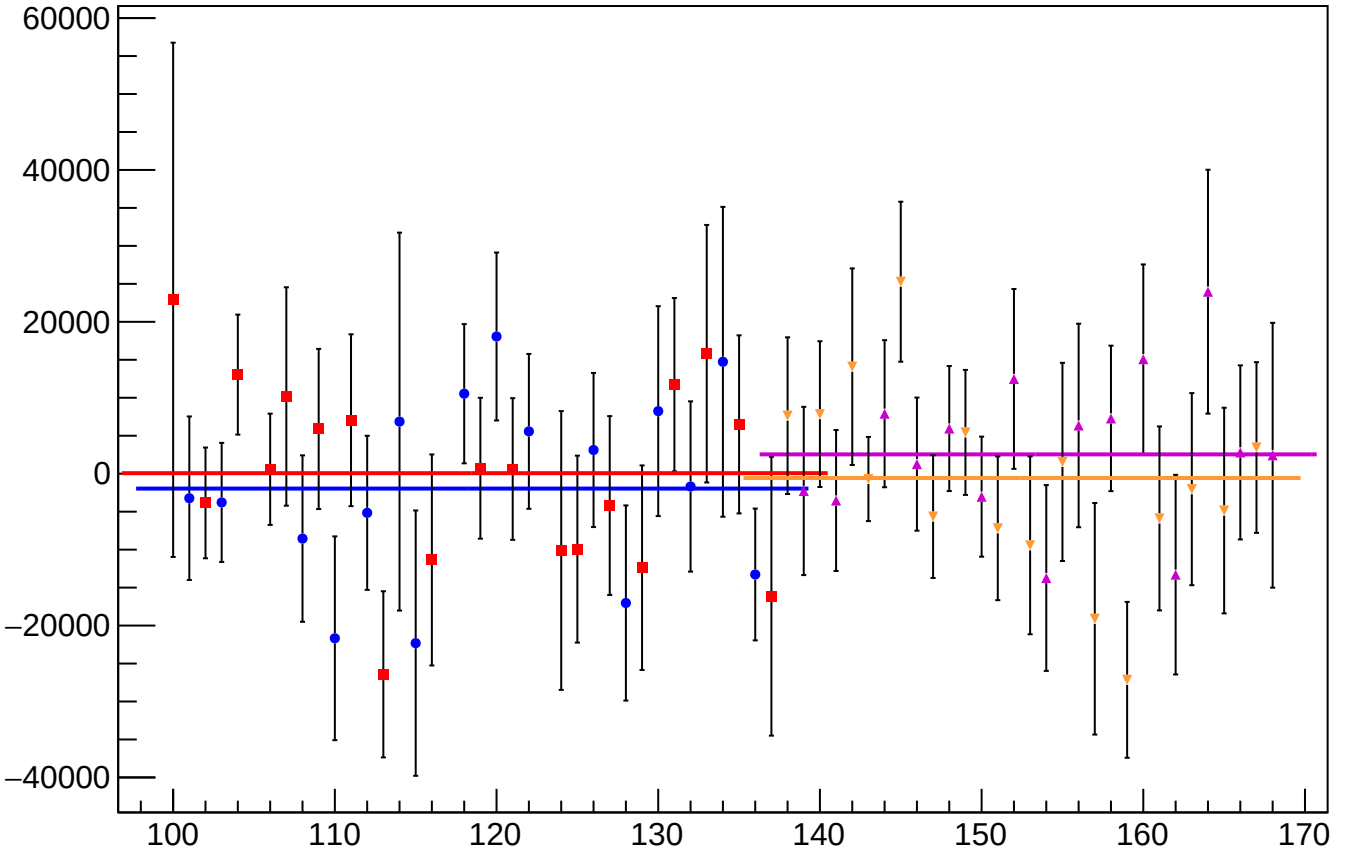
Left: 1922.621+/-0.273 χ^2/NDF: 350594.1/30

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1855.660+/-0.298 χ^2/NDF:569252.3/30

Out: 1813.672+/-0.291 χ^2/NDF:677349.2/34

All: 1834.105+/-0.208 χ^2/NDF: 1256760.7/65



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -566.478+/-2481.555 χ^2/NDF:19.3/15

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2546.160+/-2757.968 χ^2/NDF:8.7/14

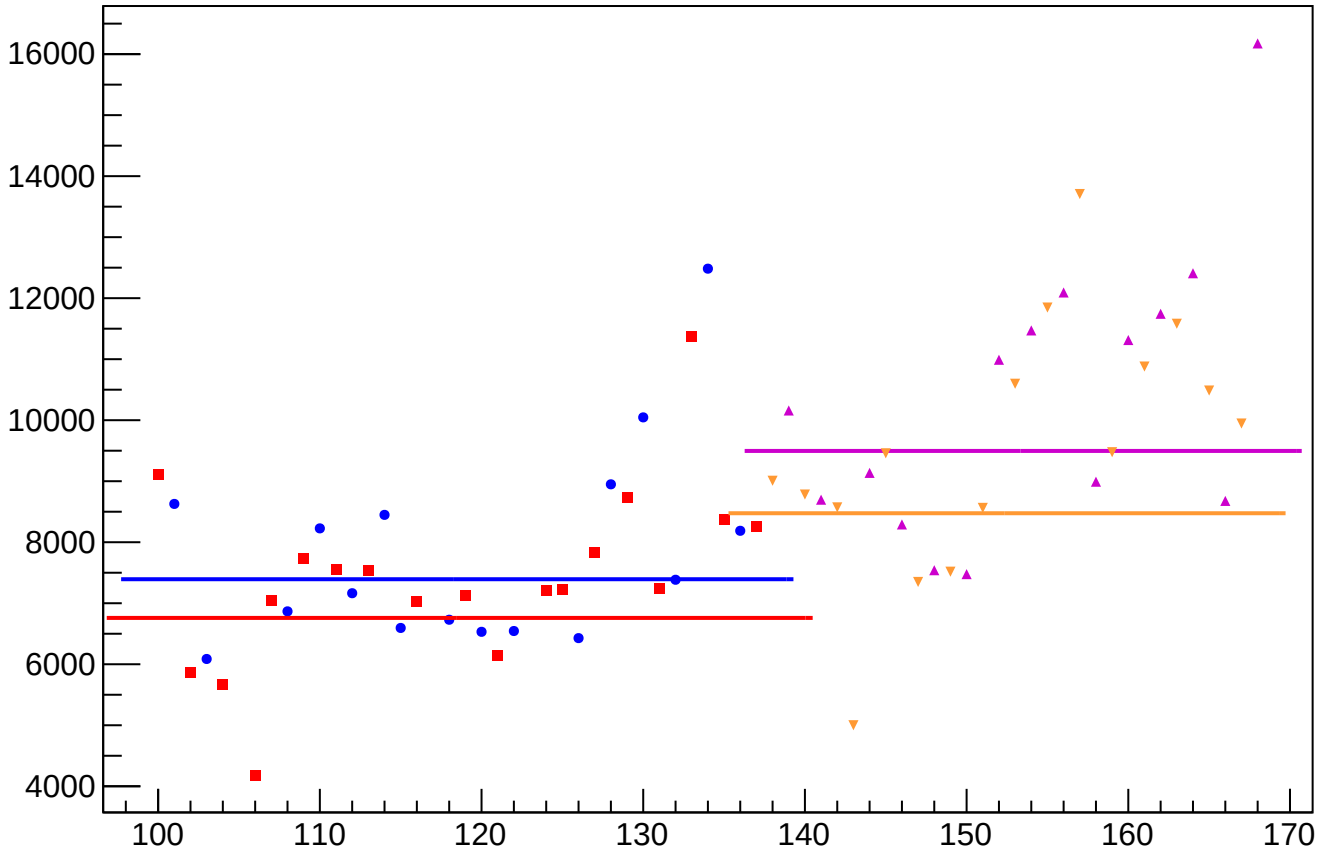
Left: 826.088+/-1844.730 χ^2/NDF: 28.7/30

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: 326.510+/-1964.283 χ^2/NDF:24.4/30

Out: -255.232+/-1771.440 χ^2/NDF:35.5/34

All: 5.688+/-1315.506 χ^2/NDF: 59.9/65



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8475.119+/-1.755 χ^2/NDF:1608175.3/15

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9496.291+/-1.950 χ^2/NDF:940936.9/14

Left: 8931.982+/-1.304 χ^2/NDF: 2700631.3/30

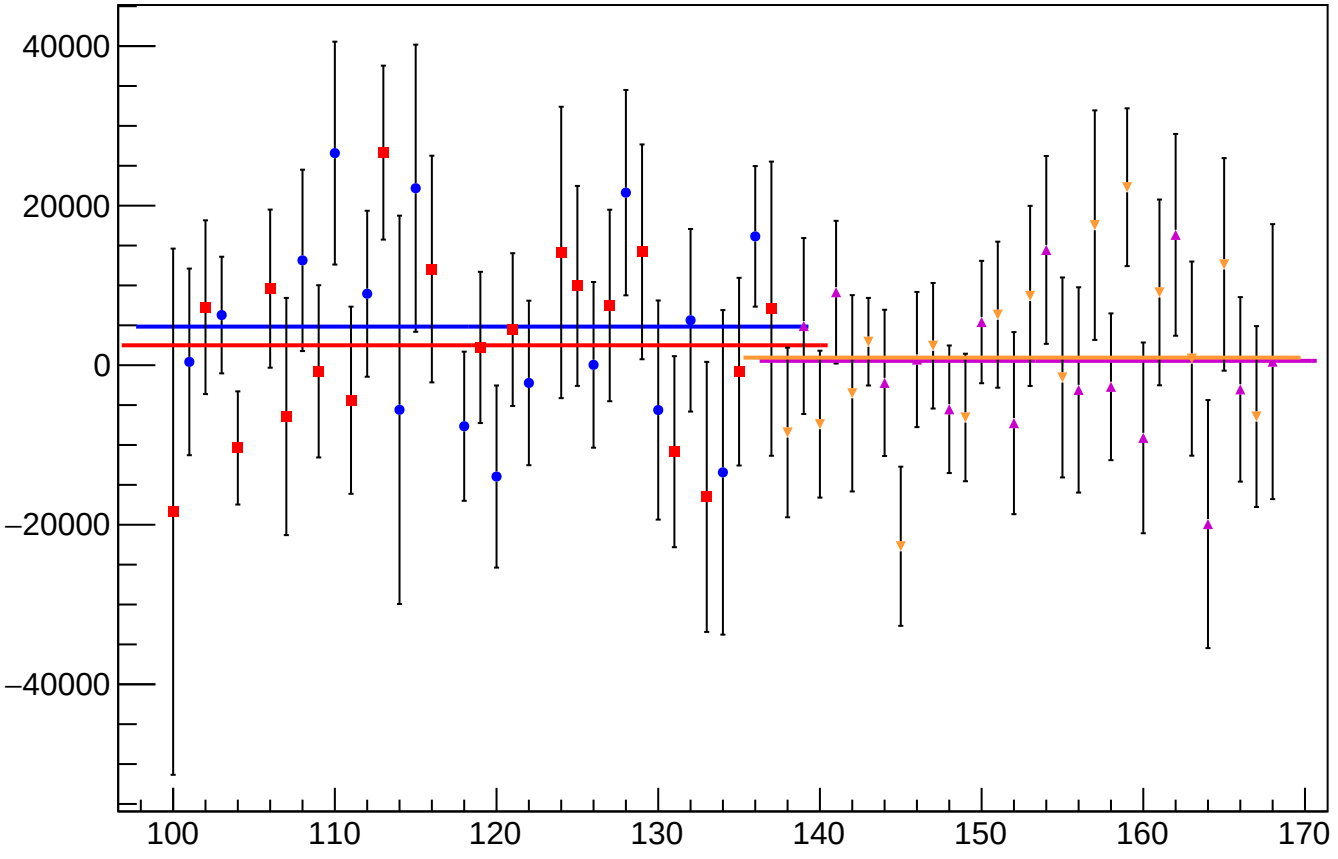
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8460.211+/-1.389 χ^2/NDF:1915587.2/30

Out: 7633.687+/-1.253 χ^2/NDF:2721325.5/34

All: 8004.396+/-0.930 χ^2/NDF: 4832196.2/65

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 948.377+/-2418.148 χ^2/NDF:16.9/15

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 545.456+/-2670.984 χ^2/NDF:8.3/14

Left: 766.885+/-1792.628 χ^2/NDF: 25.2/30

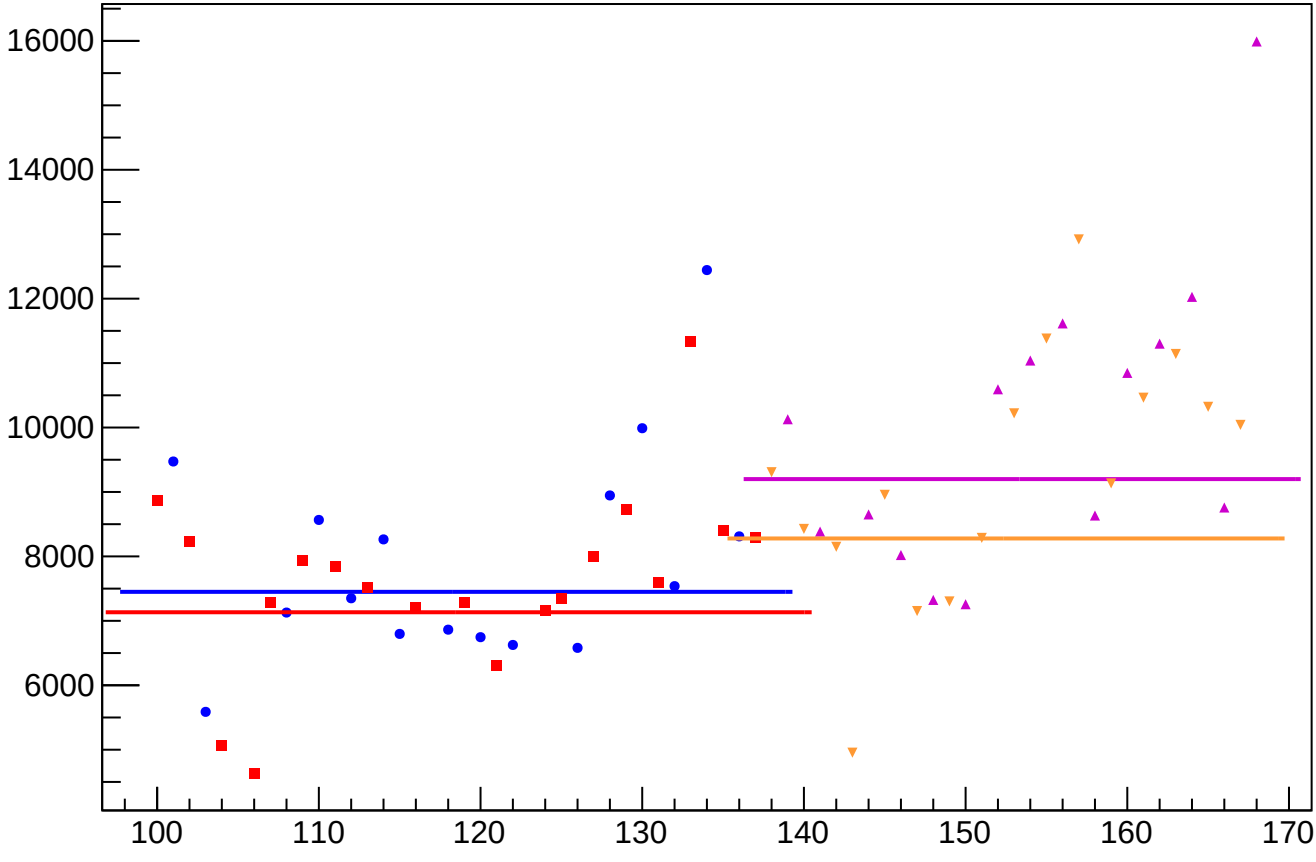
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2568.481+/-1942.105 χ^2/NDF:23.8/30

Out: 1638.417+/-1799.993 χ^2/NDF:32.0/34

All: 2068.180+/-1320.171 χ^2/NDF: 56.0/65

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8278.260+/-1.710 χ^2/NDF:1513982.3/15

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9199.724+/-1.889 χ^2/NDF:944409.5/14

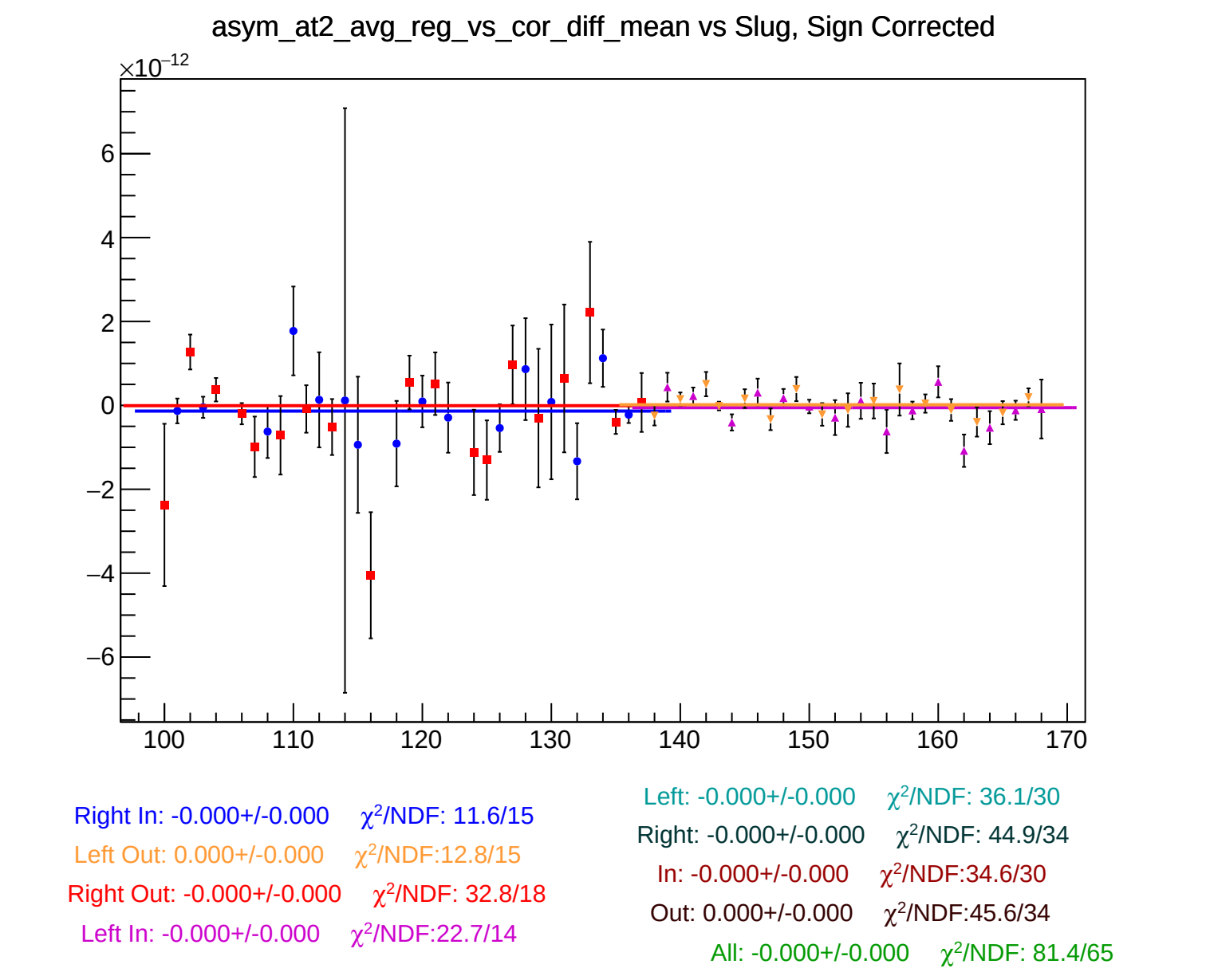
Left: 8693.325+/-1.268 χ^2/NDF: 2589207.2/30

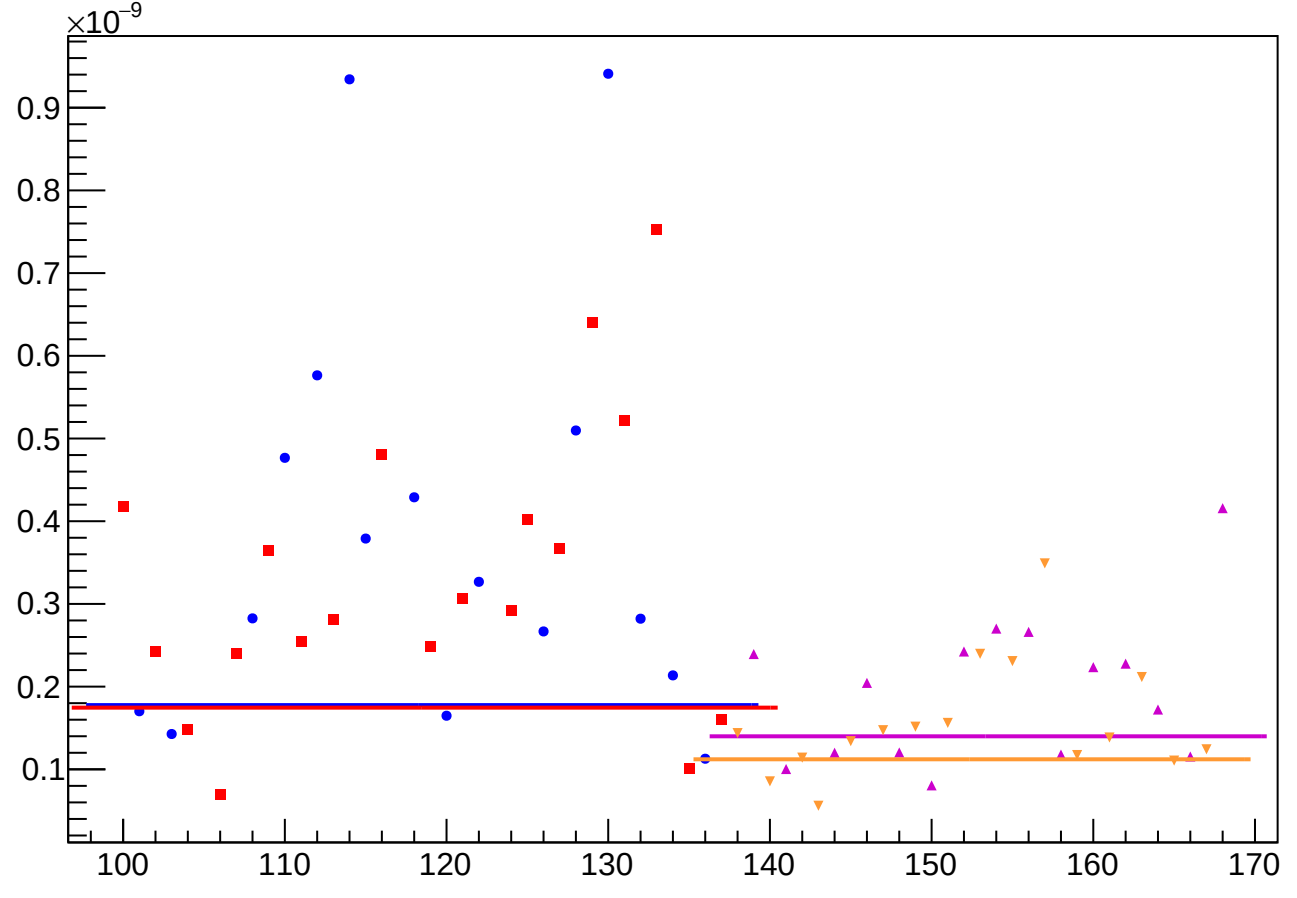
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8375.051+/-1.373 χ^2/NDF:1835359.7/30

Out: 7767.582+/-1.273 χ^2/NDF:2270994.8/34

All: 8048.272+/-0.933 χ^2/NDF: 4211615.2/65


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:22.7/14
Left: -0.000+/-0.000 χ²/NDF: 36.1/30
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:34.6/30
Out: 0.000+/-0.000 χ²/NDF:45.6/34
All: -0.000+/-0.000 χ²/NDF: 81.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1678878.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1623219.0/14

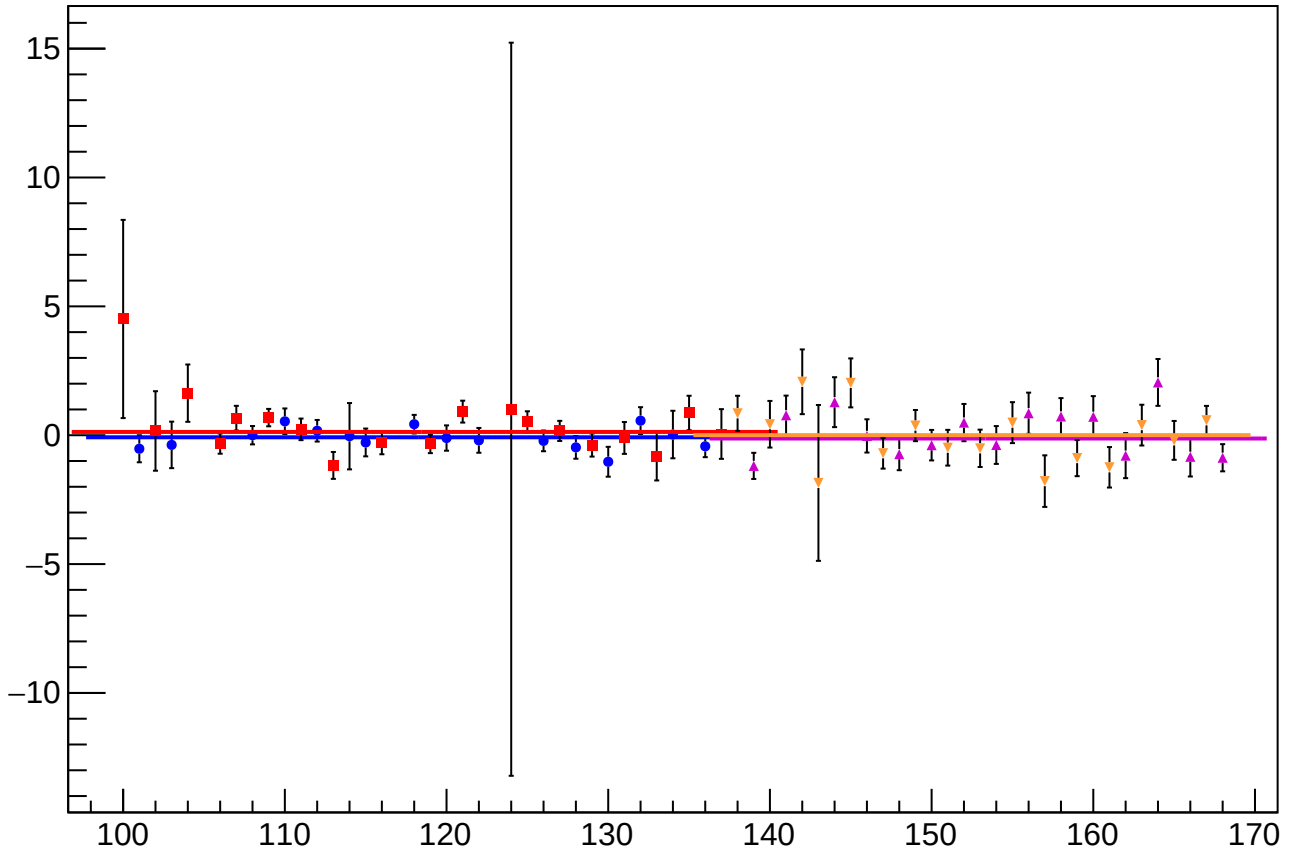
Left: 0.000+/-0.000 χ^2/NDF: 3496180.3/30

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3301759.2/30

Out: 0.000+/-0.000 χ^2/NDF:3746999.6/34

All: 0.000+/-0.000 χ^2/NDF: 7275065.3/65



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.179 χ^2/NDF:23.2/14

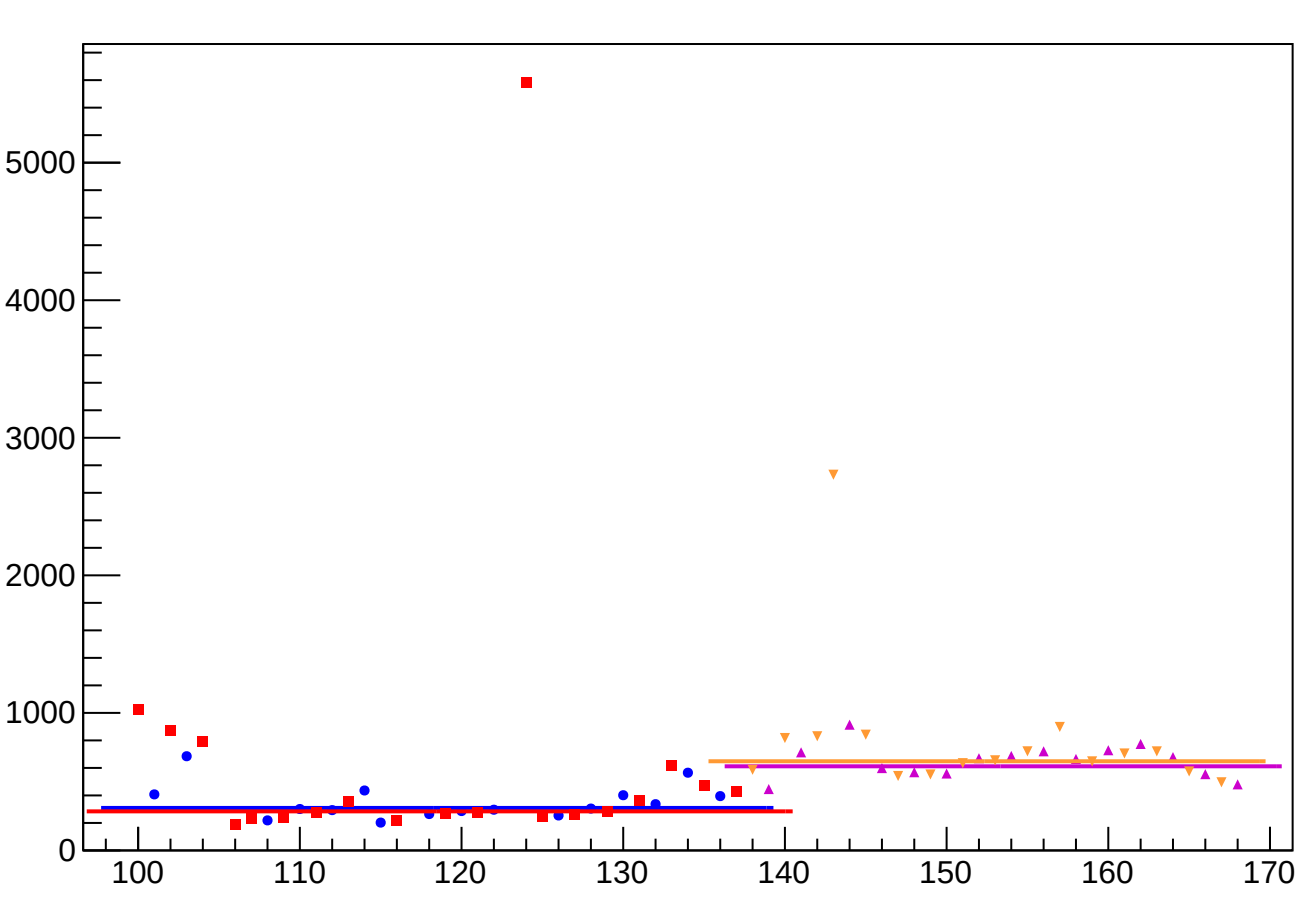
Left: -0.066+/-0.130 χ^2/NDF: 44.6/30

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.095+/-0.101 χ^2/NDF:34.0/30

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.000+/-0.071 χ^2/NDF: 82.5/65



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2/NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 611.736+/-0.127 χ^2/NDF:809719.7/14

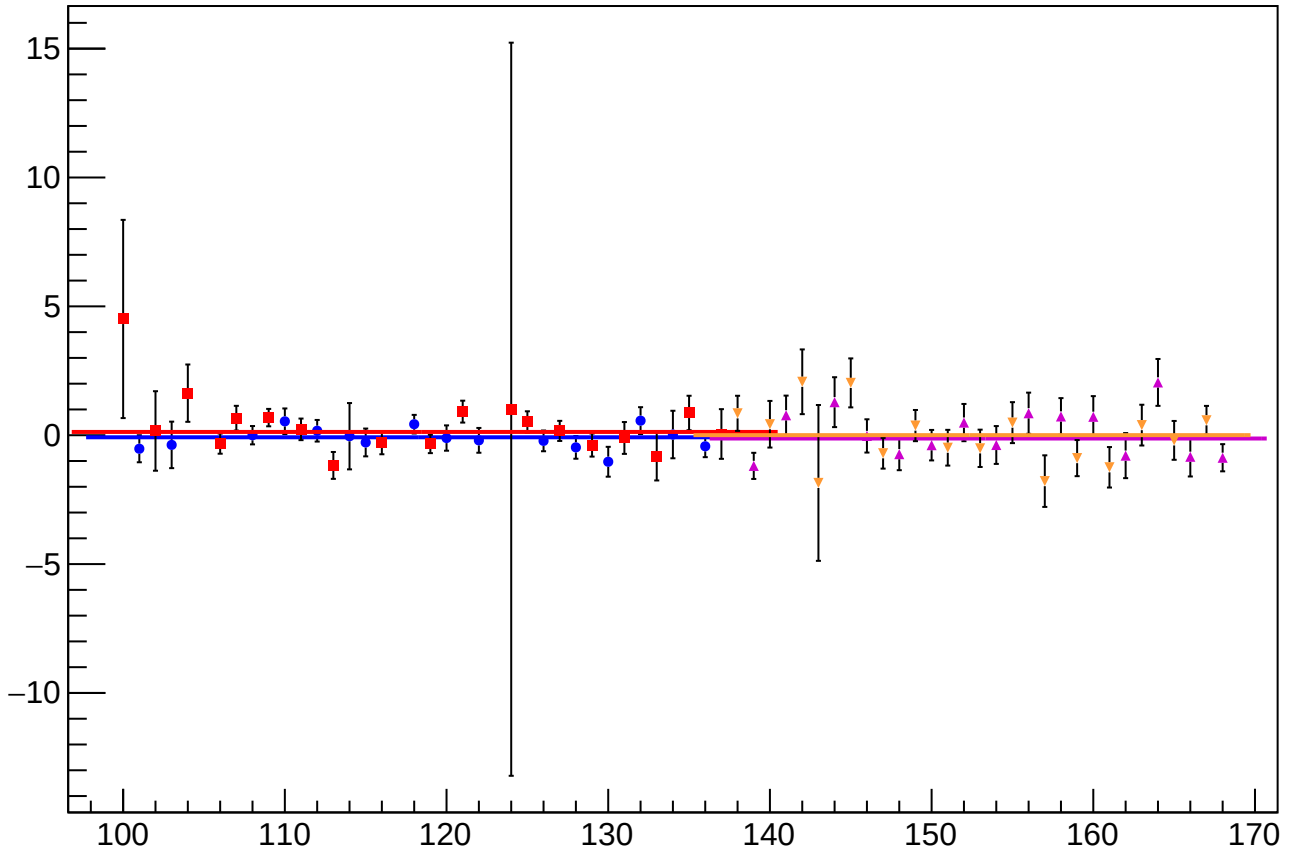
Left: 628.934+/-0.092 χ^2/NDF: 2461849.9/30

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.947+/-0.071 χ^2/NDF:5730958.5/30

Out: 383.852+/-0.070 χ^2/NDF:8780745.4/34

All: 394.284+/-0.050 χ^2/NDF: 14556035.7/65



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.179 χ^2/NDF:23.2/14

Left: -0.066+/-0.130 χ^2/NDF: 44.6/30

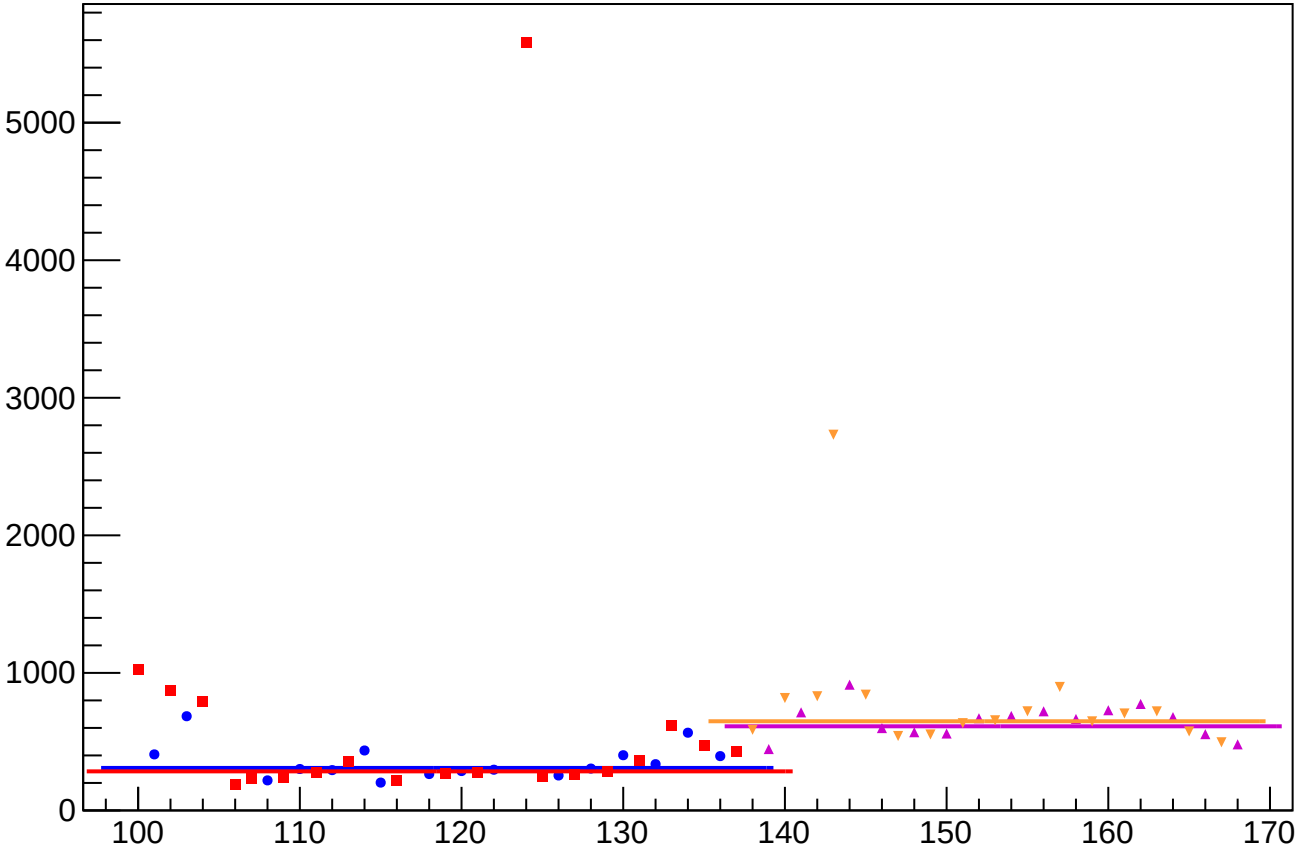
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.095+/-0.101 χ^2/NDF:34.0/30

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.000+/-0.071 χ^2/NDF: 82.5/65

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 648.408+/-0.135 χ^2/NDF:1612763.3/15

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 611.736+/-0.127 χ^2/NDF:809719.7/14

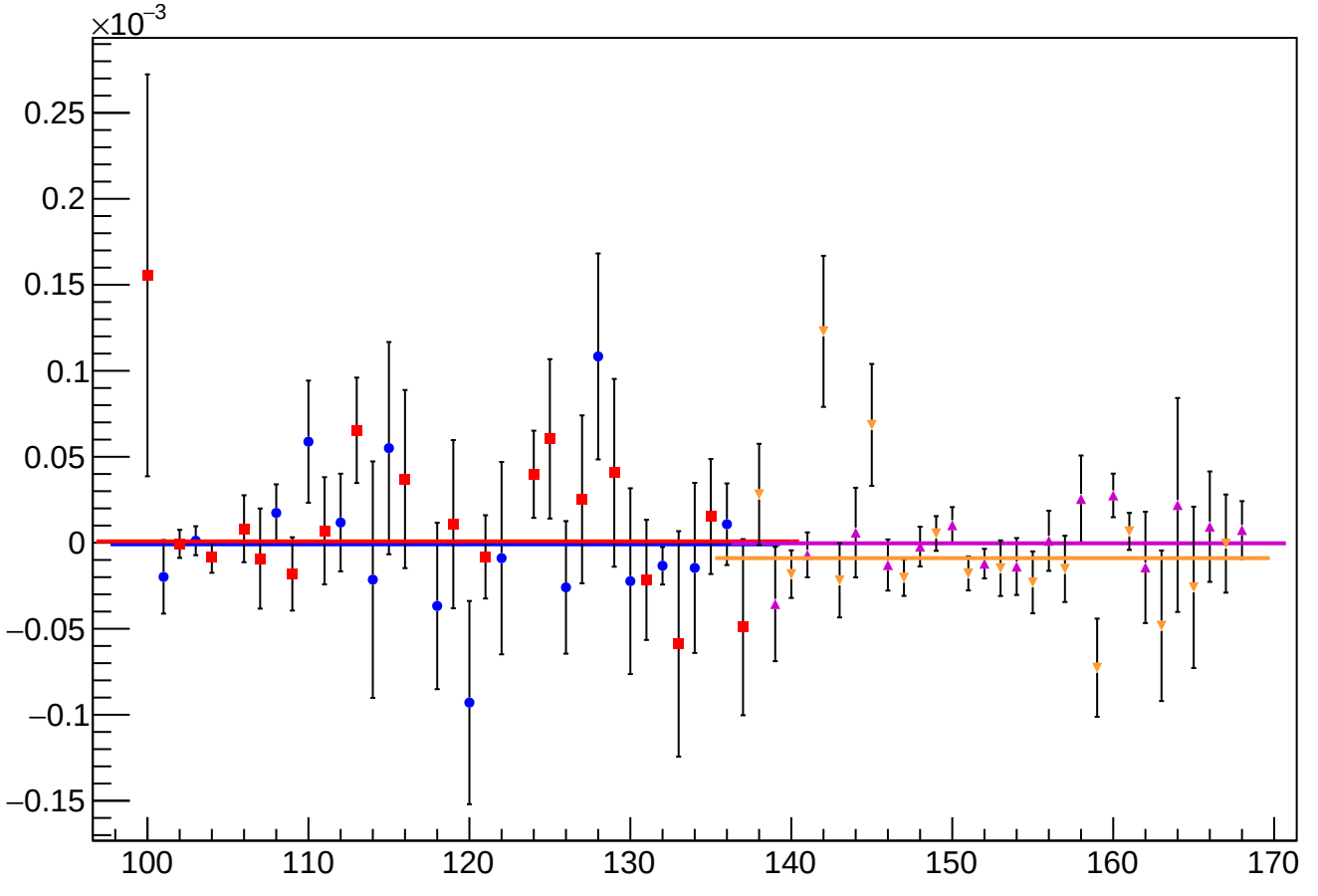
Left: 628.934+/-0.092 χ^2/NDF: 2461849.9/30

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.947+/-0.071 χ^2/NDF:5730958.5/30

Out: 383.852+/-0.070 χ^2/NDF:8780745.4/34

All: 394.284+/-0.050 χ^2/NDF: 14556035.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/14

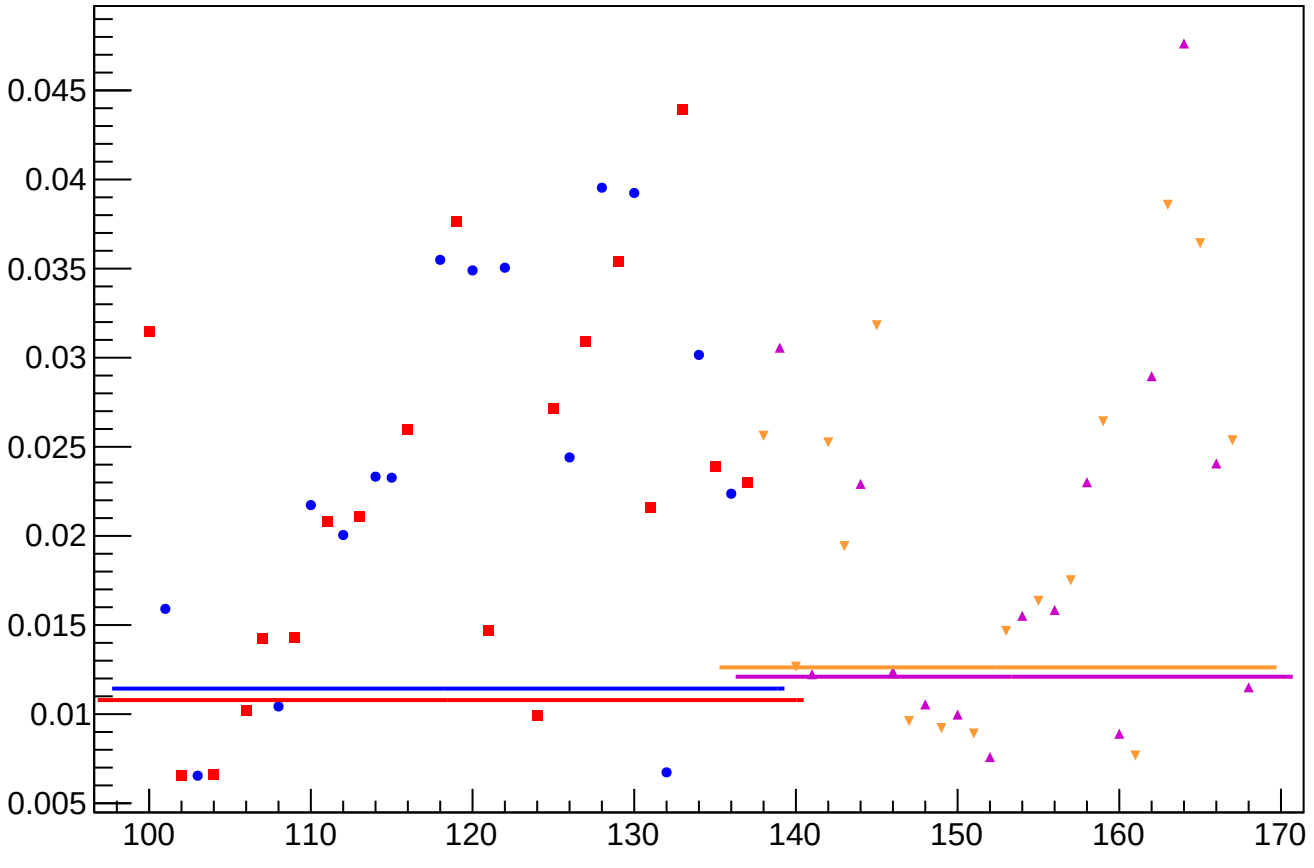
Left: -0.000+/-0.000 χ^2/NDF: 43.6/30

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.7/30

Out: -0.000+/-0.000 χ^2/NDF:47.6/34

All: -0.000+/-0.000 χ^2/NDF: 75.3/65



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:4765077.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3781794.5/14

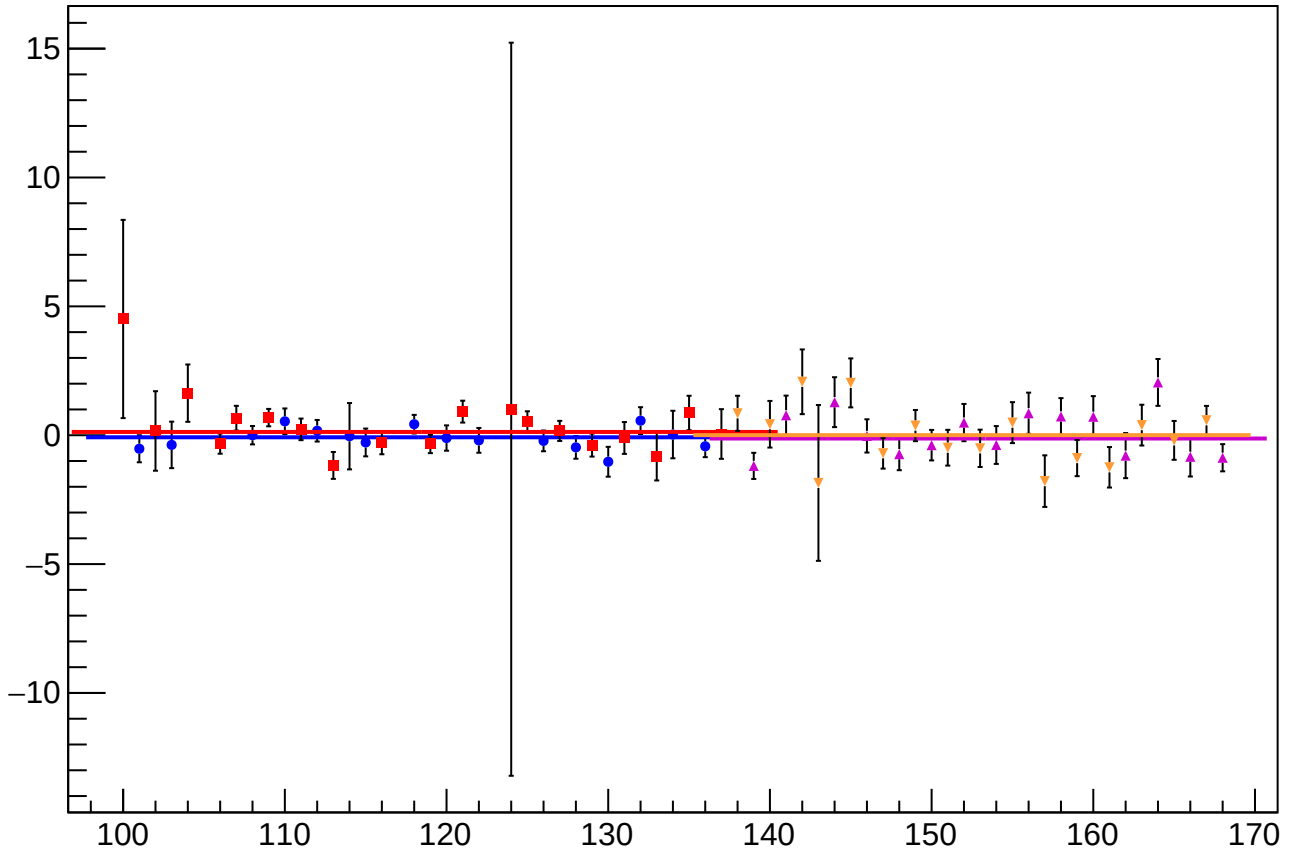
Left: 0.012+/-0.000 χ^2/NDF: 8563973.7/30

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:8501734.7/30

Out: 0.012+/-0.000 χ^2/NDF:9407346.1/34

All: 0.012+/-0.000 χ^2/NDF: 17909083.3/65



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.179 χ^2/NDF:23.2/14

Left: -0.066+/-0.130 χ^2/NDF: 44.6/30

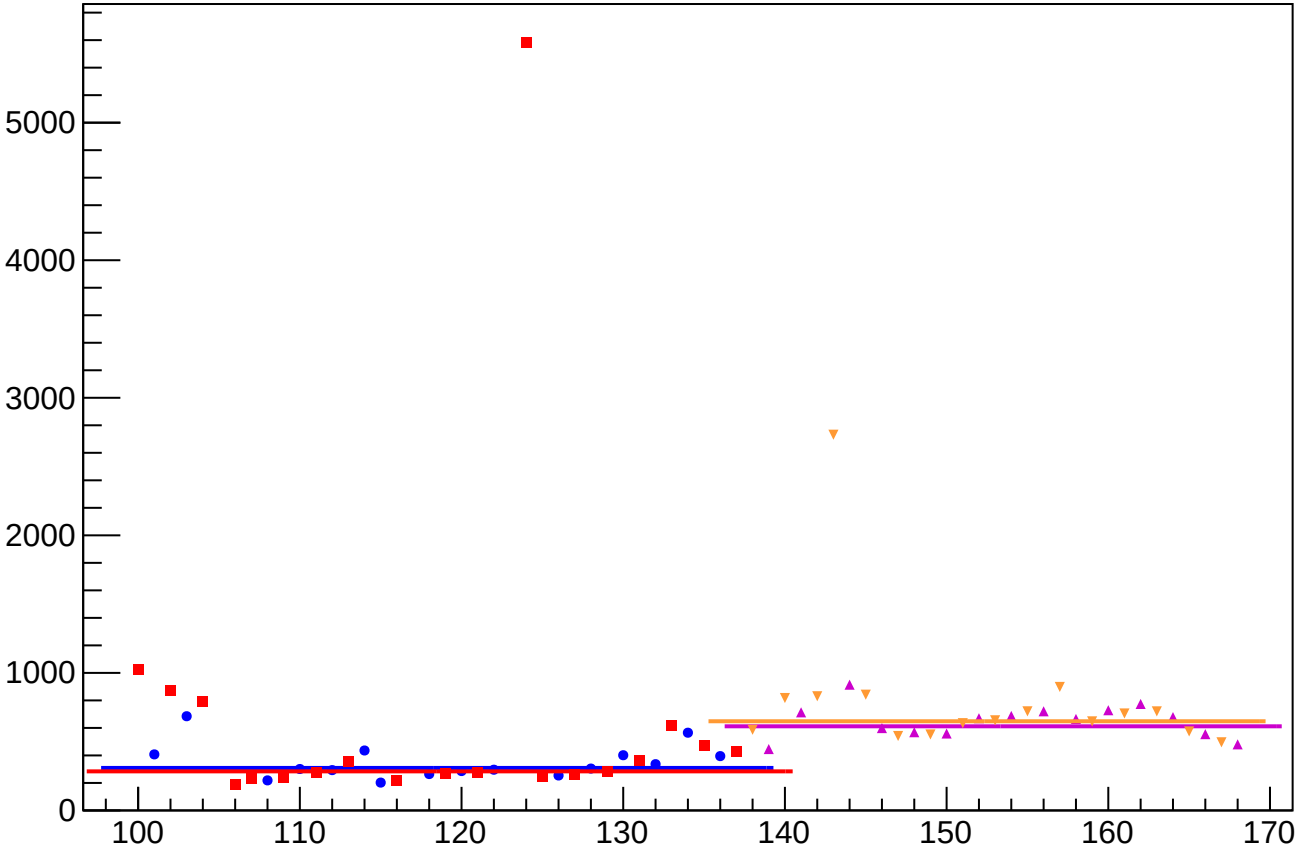
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.095+/-0.101 χ^2/NDF:34.0/30

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.000+/-0.071 χ^2/NDF: 82.5/65

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 648.417+/-0.135 χ^2/NDF:1612770.0/15

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 611.746+/-0.127 χ^2/NDF:809702.6/14

Left: 628.943+/-0.092 χ^2/NDF: 2461836.8/30

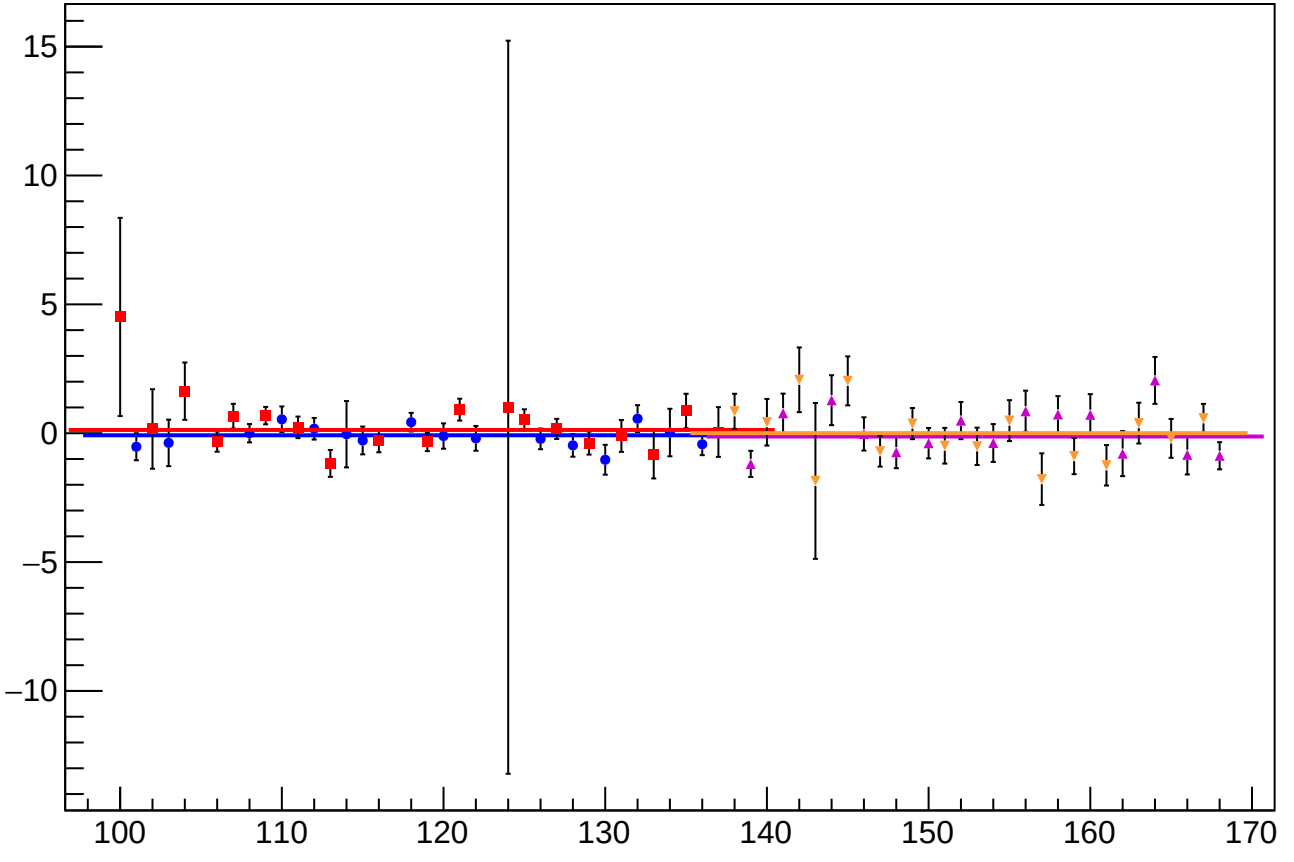
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.947+/-0.071 χ^2/NDF:5731108.9/30

Out: 383.852+/-0.070 χ^2/NDF:8780922.9/34

All: 394.284+/-0.050 χ^2/NDF: 14556365.8/65

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: 0.003+/-0.190 χ^2/NDF:21.2/15

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.128+/-0.179 χ^2/NDF:23.2/14

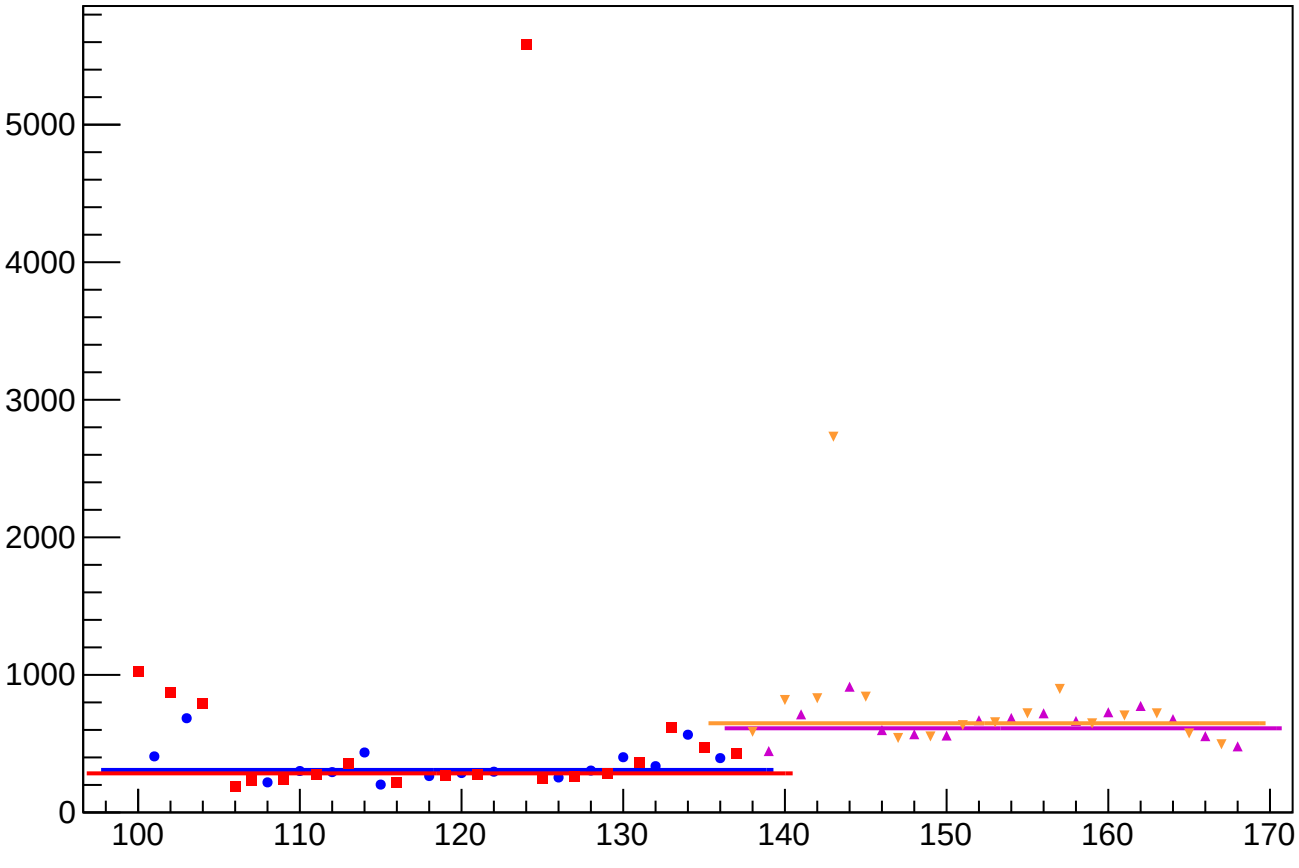
Left: -0.066+/-0.130 χ^2/NDF: 44.6/30

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.095+/-0.101 χ^2/NDF:34.0/30

Out: 0.094+/-0.100 χ^2/NDF:46.8/34

All: 0.000+/-0.071 χ^2/NDF: 82.5/65



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 648.417+/-0.135 χ^2/NDF:1612770.0/15

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 611.746+/-0.127 χ^2/NDF:809702.6/14

Left: 628.943+/-0.092 χ^2/NDF: 2461836.8/30

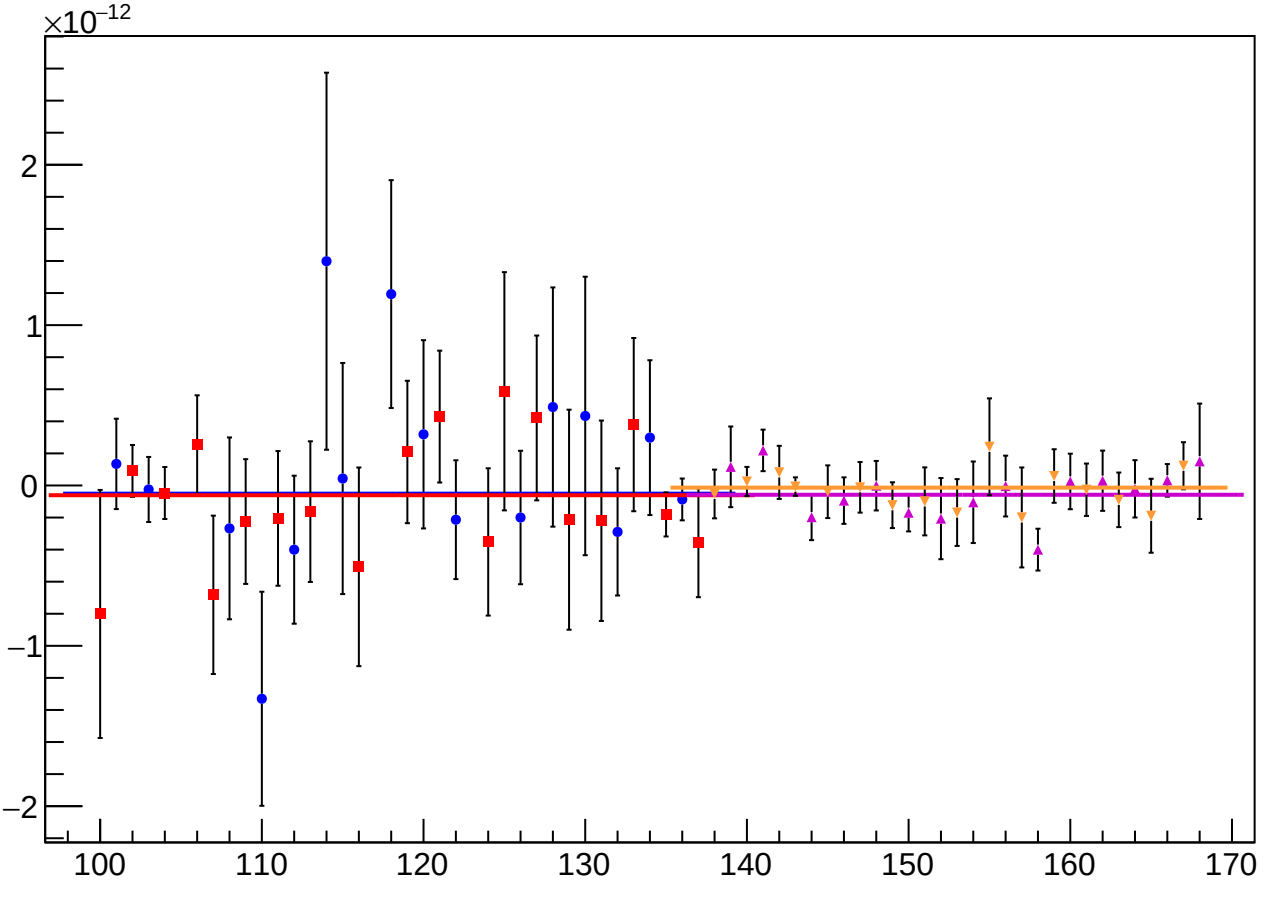
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.947+/-0.071 χ^2/NDF:5731108.9/30

Out: 383.852+/-0.070 χ^2/NDF:8780922.9/34

All: 394.284+/-0.050 χ^2/NDF: 14556365.8/65

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/14

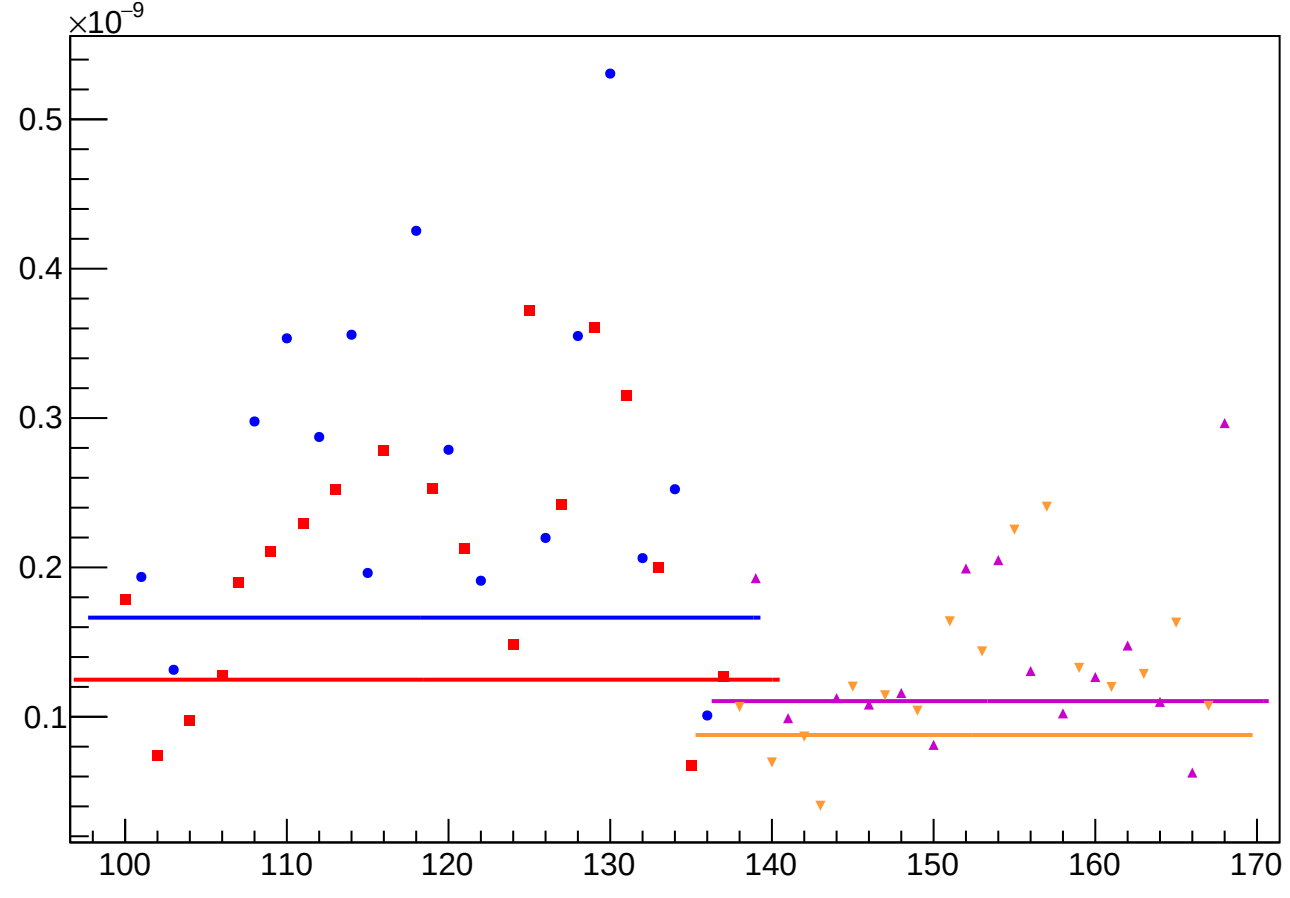
Left: -0.000+/-0.000 χ^2/NDF: 21.6/30

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: -0.000+/-0.000 χ^2/NDF:16.6/34

All: -0.000+/-0.000 χ^2/NDF: 45.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3504522.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1985344.6/14

Left: 0.000+/-0.000 χ^2/NDF: 5856064.2/30

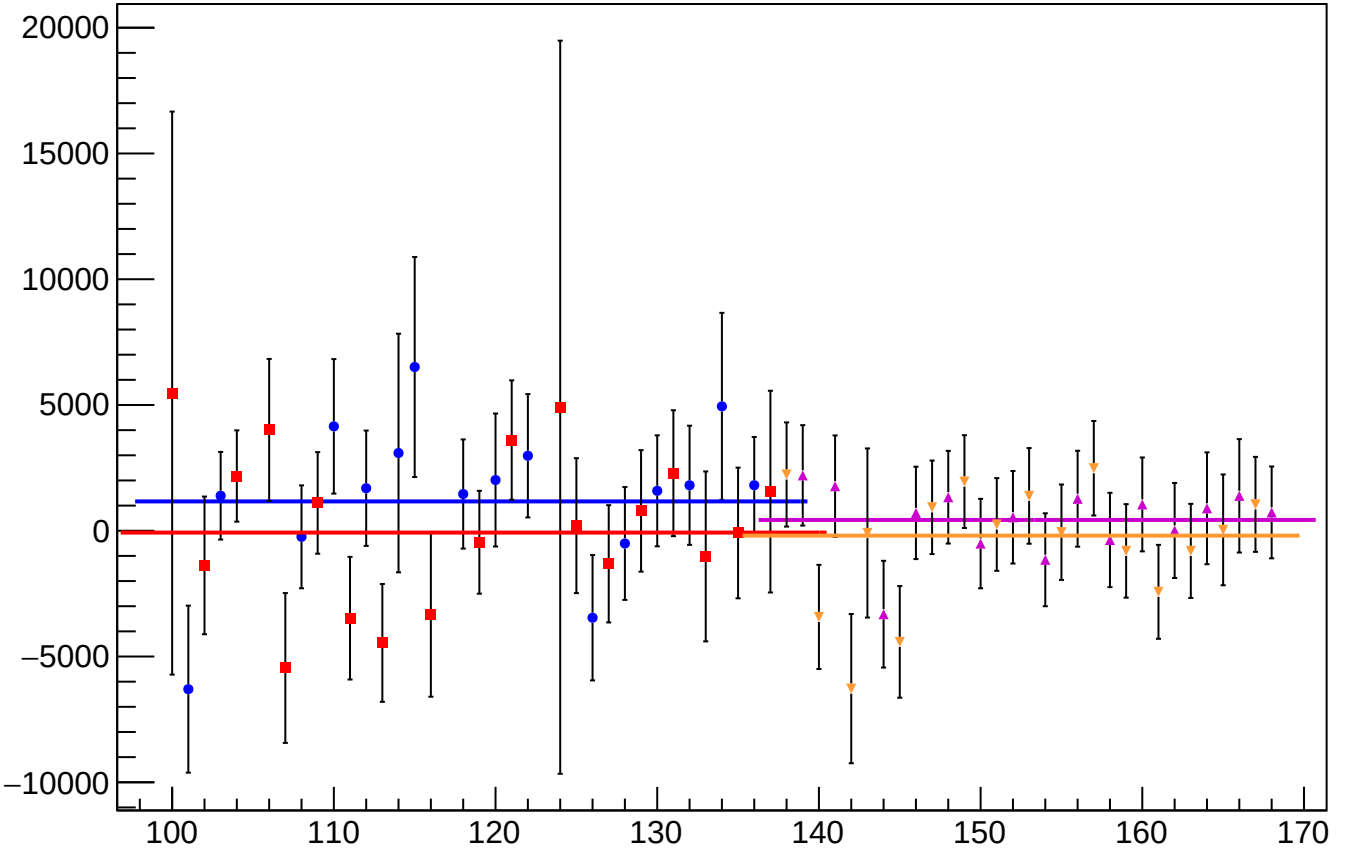
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4679667.6/30

Out: 0.000+/-0.000 χ^2/NDF:6166893.4/34

All: 0.000+/-0.000 χ^2/NDF: 11448467.5/65

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -193.498+/-504.124 χ^2/NDF:18.2/15

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 429.755+/-497.527 χ^2/NDF:6.4/14

Left: 122.233+/-354.114 χ^2/NDF: 25.4/30

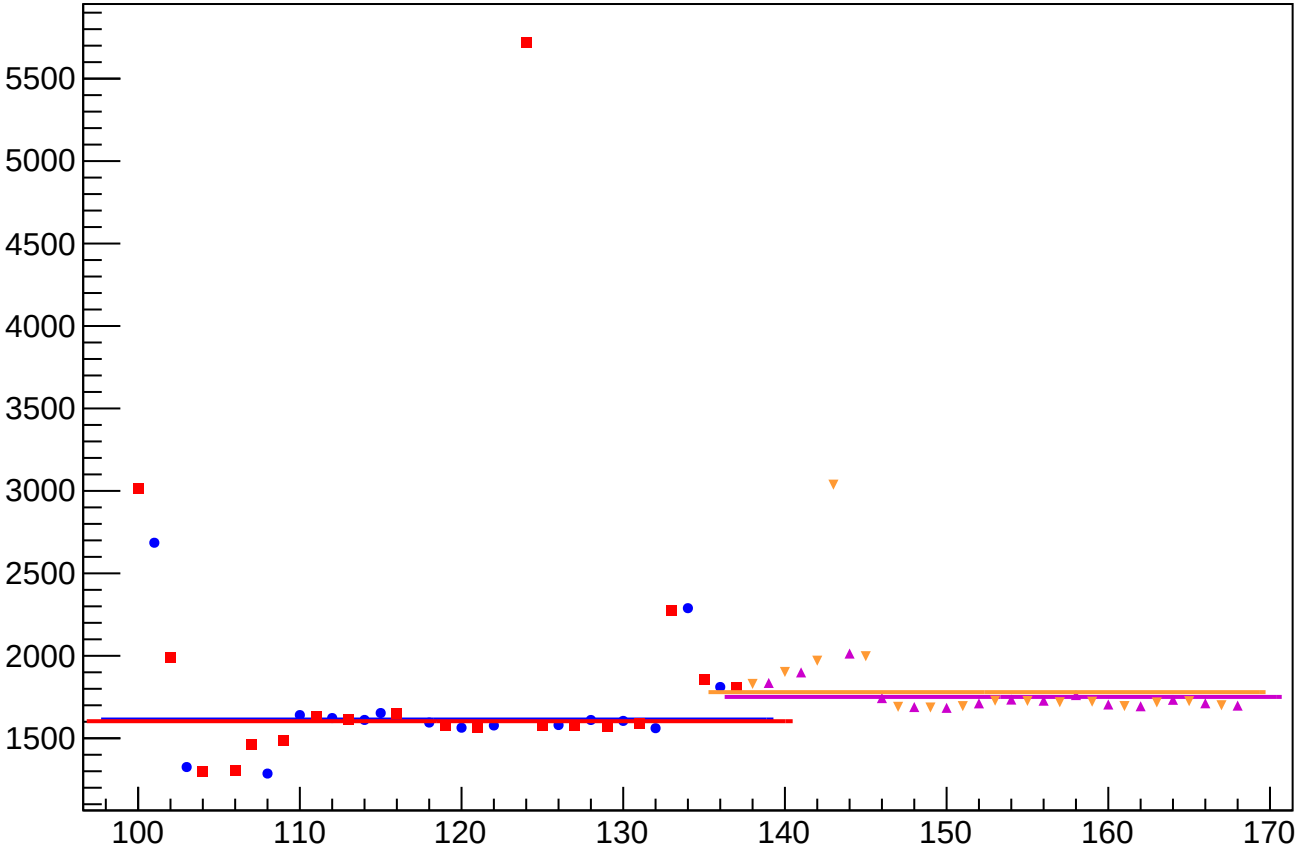
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 724.698+/-385.339 χ^2/NDF:21.7/30

Out: -143.624+/-386.861 χ^2/NDF:36.6/34

All: 292.249+/-273.012 χ^2/NDF: 60.8/65

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

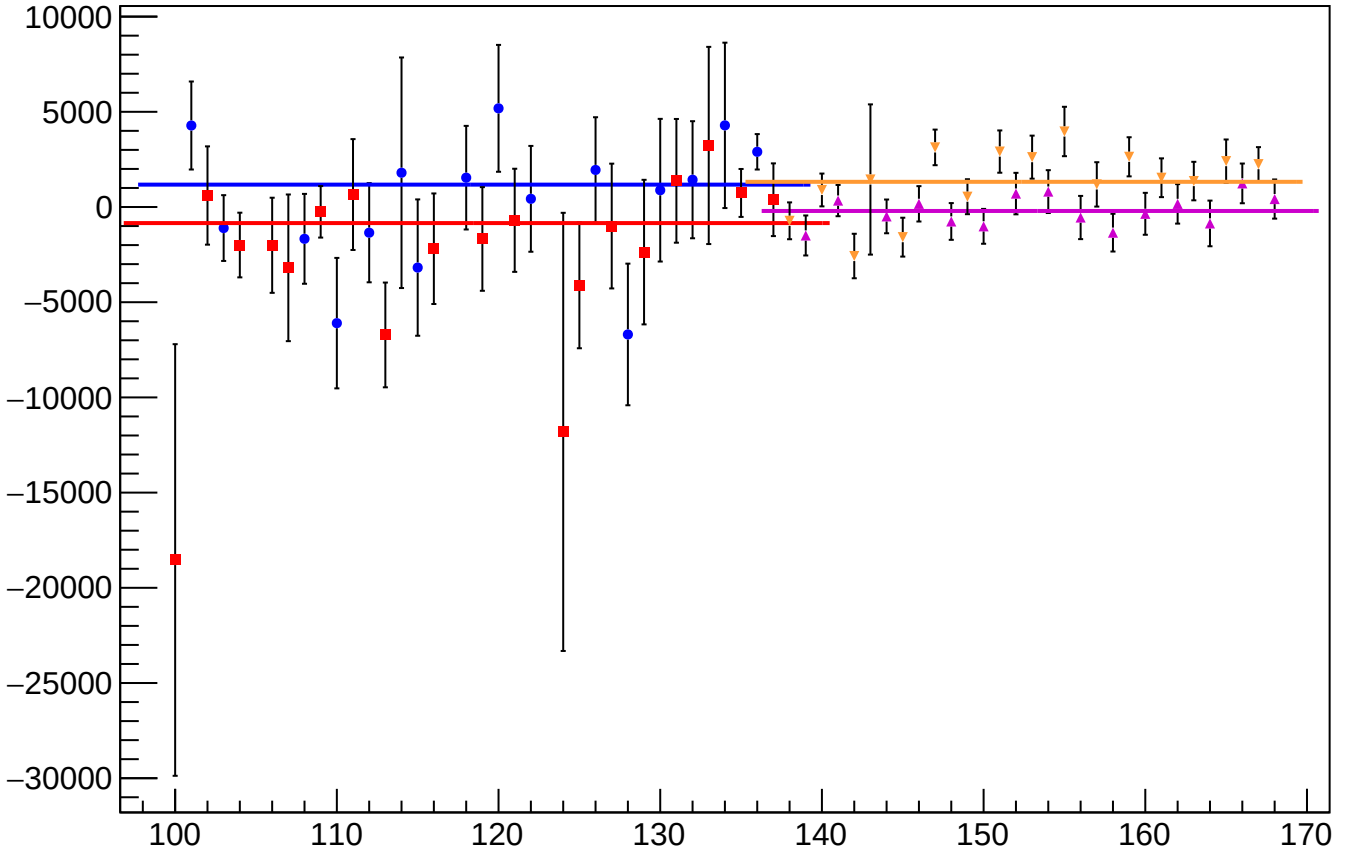
Left: 1765.050+/-0.250 χ^2/NDF: 408161.4/30

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1695.907+/-0.272 χ^2/NDF:522399.8/30

Out: 1707.261+/-0.274 χ^2/NDF:874166.3/34

All: 1701.562+/-0.193 χ^2/NDF: 1397430.9/65



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1323.348+/-264.065 χ^2/NDF:39.6/15

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -208.050+/-259.636 χ^2/NDF:9.0/14

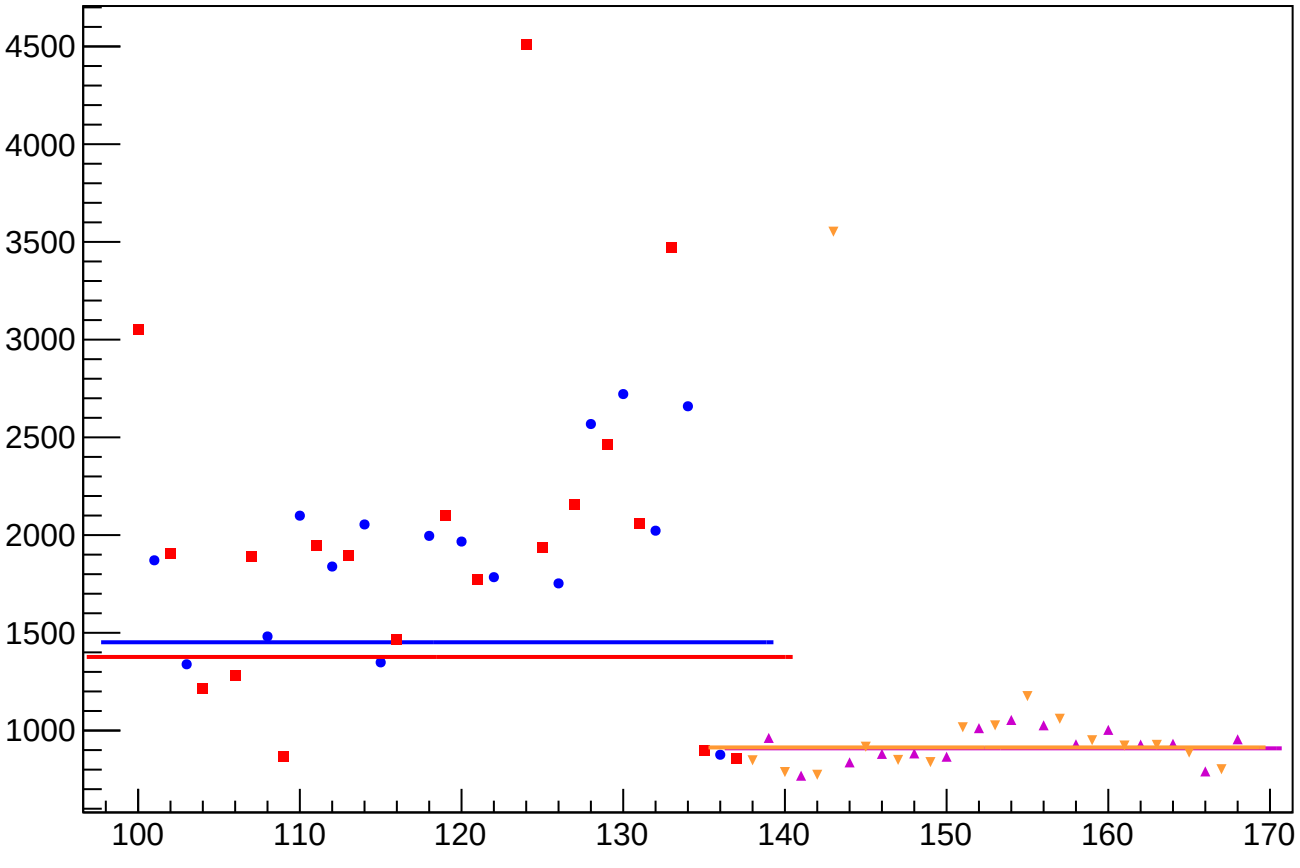
Left: 544.701+/-185.136 χ^2/NDF: 65.7/30

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 23.535+/-236.912 χ^2/NDF:35.7/30

Out: 926.154+/-238.643 χ^2/NDF:66.2/34

All: 471.560+/-168.131 χ^2/NDF: 109.2/65



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 913.600+/-0.187 χ^2/NDF:1184269.5/15

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 908.931+/-0.184 χ^2/NDF:203750.8/14

Left: 911.226+/-0.131 χ^2/NDF: 1388338.1/30

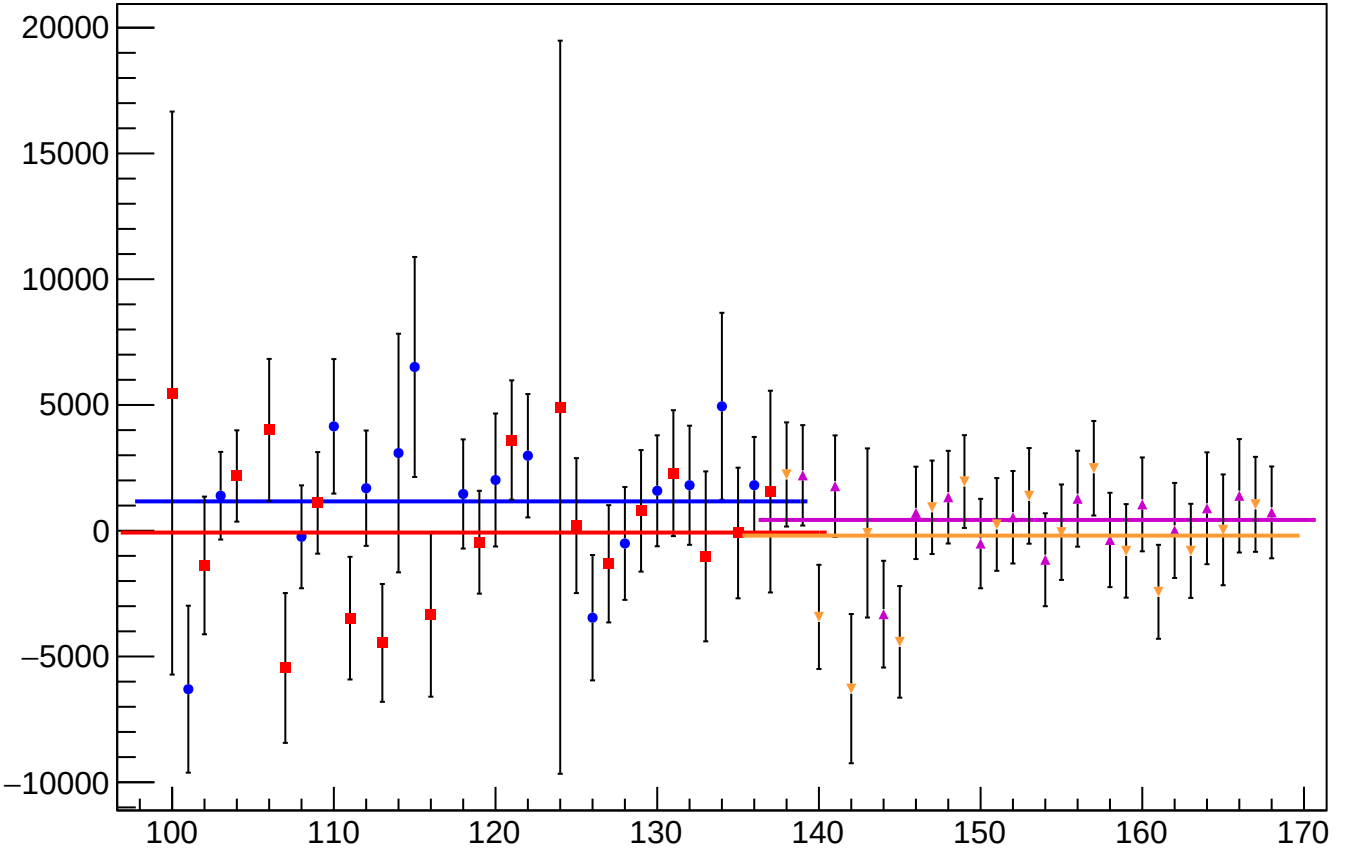
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 999.772+/-0.168 χ^2/NDF:3457245.8/30

Out: 998.432+/-0.169 χ^2/NDF:4442559.8/34

All: 999.107+/-0.119 χ^2/NDF: 7899837.4/65

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -193.649+/-504.124 χ^2/NDF:18.2/15

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 429.688+/-497.527 χ^2/NDF:6.4/14

Left: 122.125+/-354.114 χ^2/NDF: 25.4/30

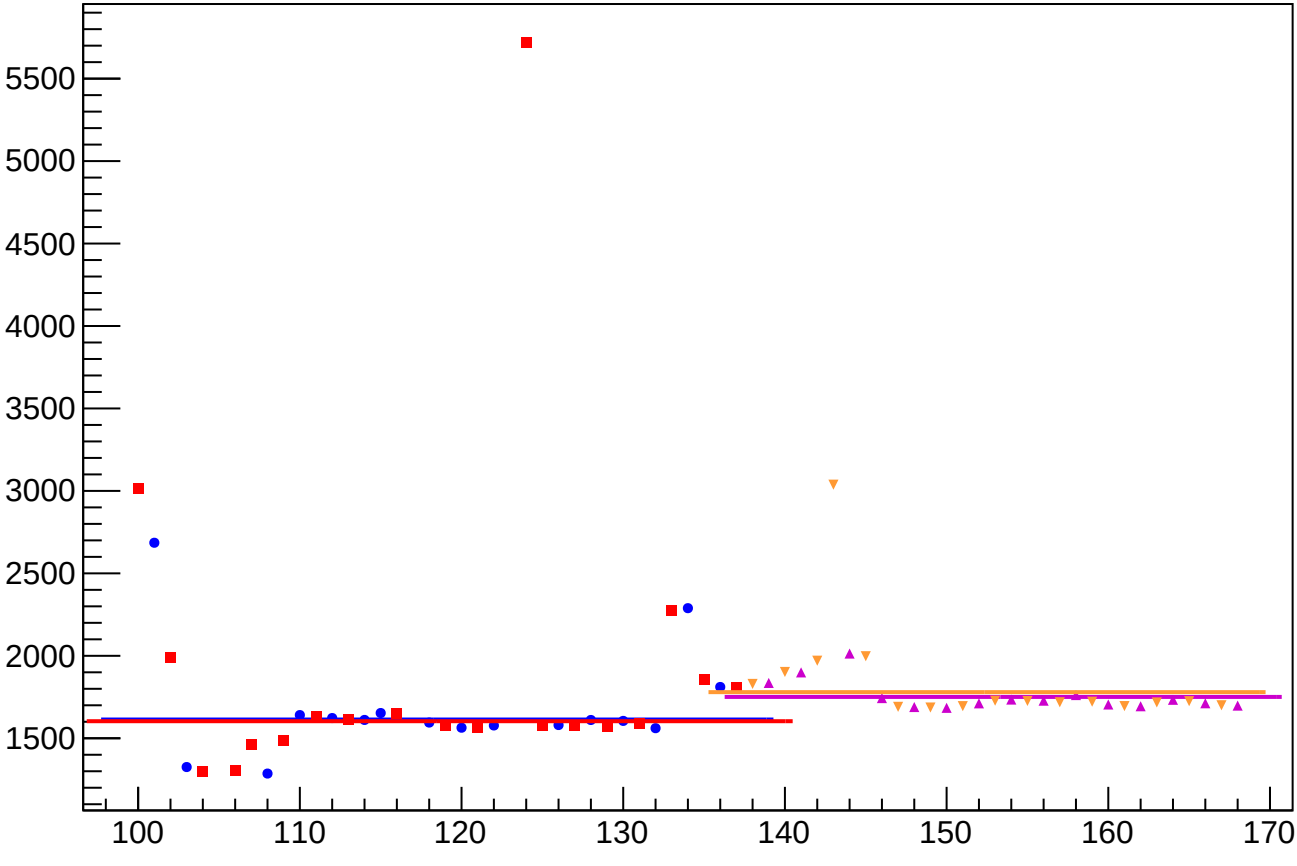
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 724.620+/-385.339 χ^2/NDF:21.7/30

Out: -143.843+/-386.861 χ^2/NDF:36.6/34

All: 292.100+/-273.012 χ^2/NDF: 60.8/65

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

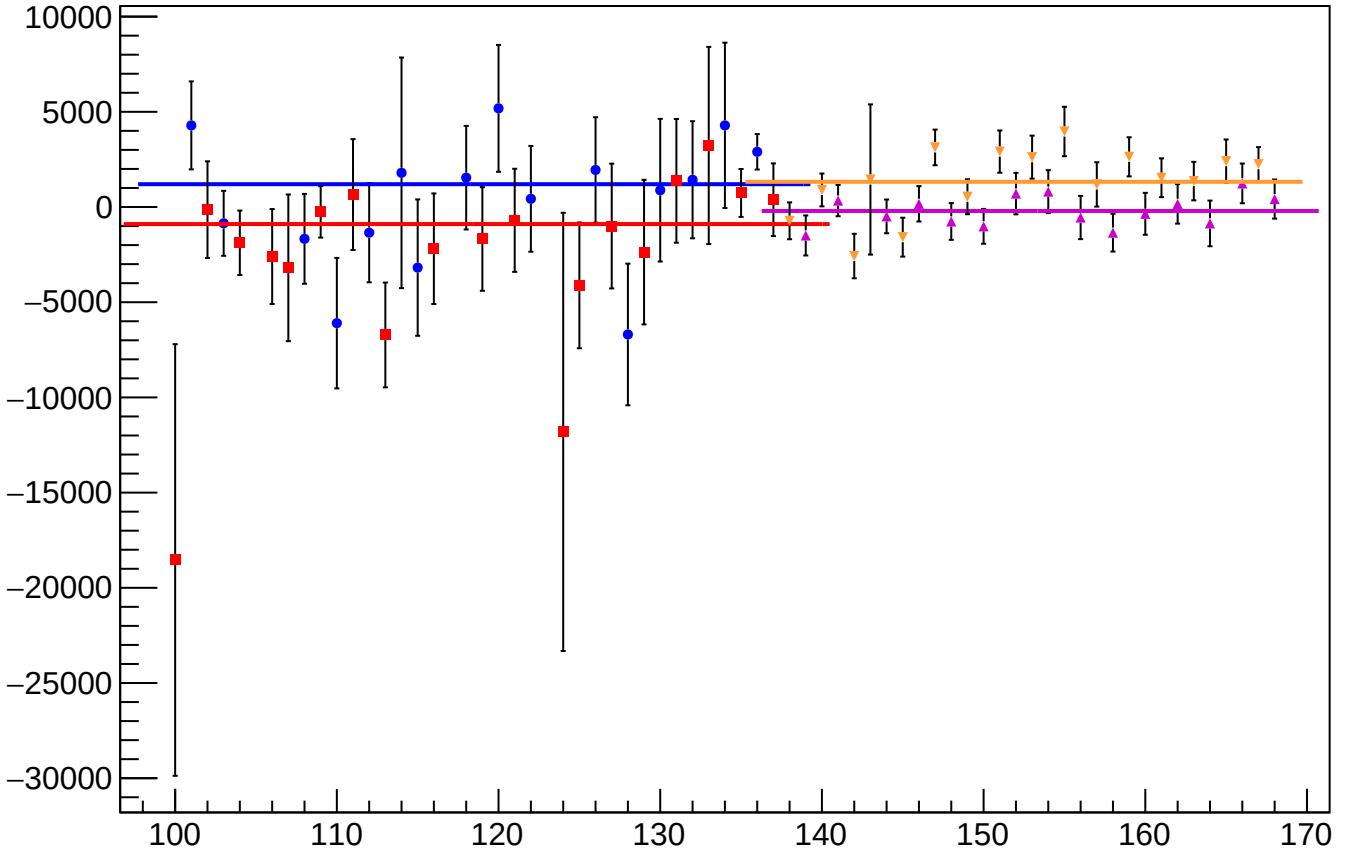
Left: 1765.051+/-0.250 χ^2/NDF: 408161.4/30

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.907+/-0.272 χ^2/NDF:522400.2/30

Out: 1707.261+/-0.274 χ^2/NDF:874166.5/34

All: 1701.562+/-0.193 χ^2/NDF: 1397431.4/65



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -207.942+/-259.636 χ^2/NDF:9.0/14

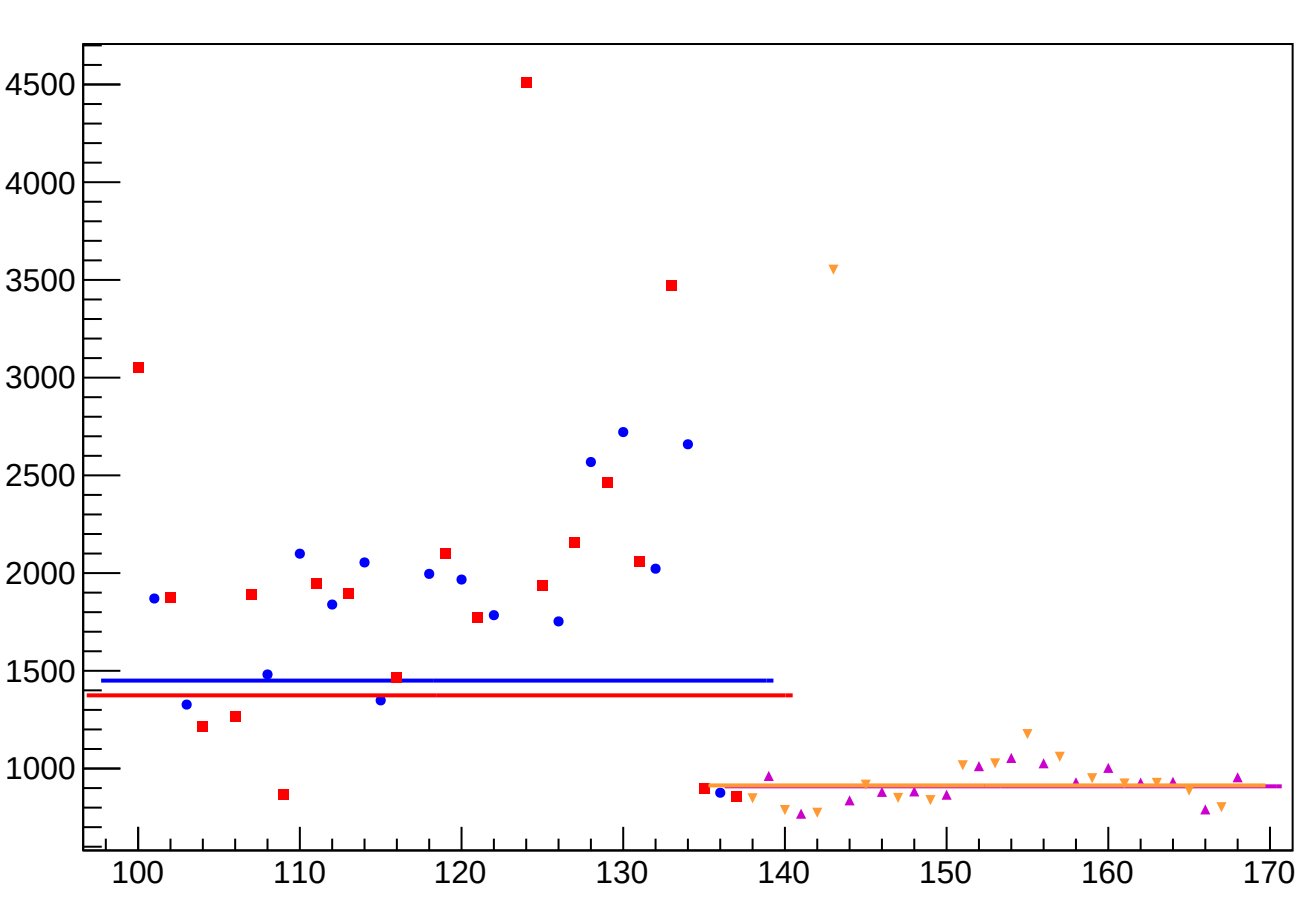
Left: 544.766+/-185.137 χ^2/NDF: 65.7/30

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 28.009+/-236.855 χ^2/NDF:35.6/30

Out: 915.800+/-238.584 χ^2/NDF:66.8/34

All: 468.676+/-168.090 χ^2/NDF: 109.4/65


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
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2500
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140
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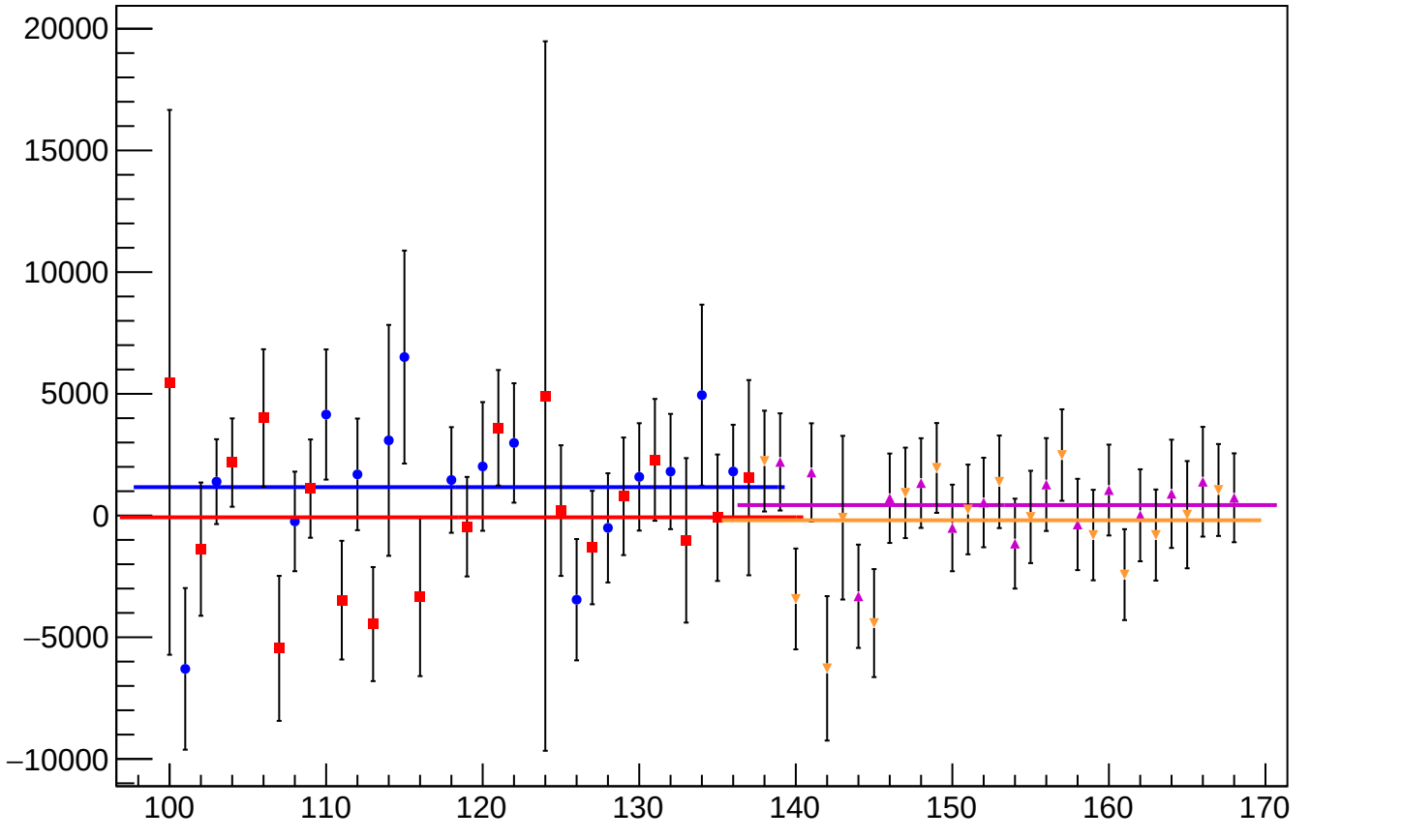
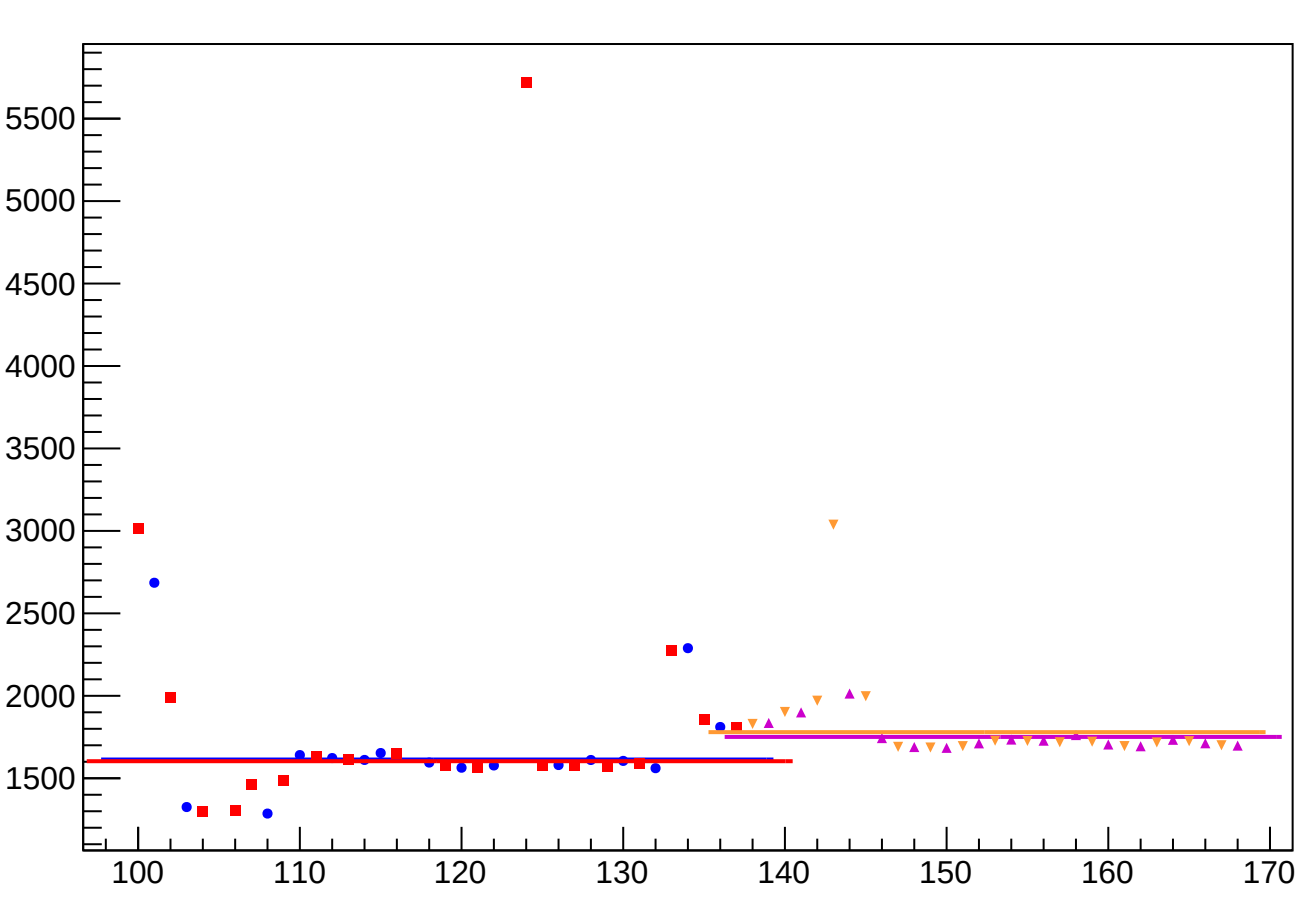
160
170
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 913.613+/-0.187 χ²/NDF:1184169.1/15
Right Out: 1374.438+/-0.394 χ²/NDF: 2127695.6/18
Left In: 908.929+/-0.184 χ²/NDF:203801.5/14
Left: 911.232+/-0.131 χ²/NDF: 1388290.6/30
Right: 1410.753+/-0.284 χ²/NDF: 3938065.4/34
In: 999.702+/-0.167 χ²/NDF:3453472.1/30
Out: 998.264+/-0.169 χ²/NDF:4430695.7/34
All: 998.988+/-0.119 χ²/NDF: 7884204.4/65


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -193.649+/-504.124 χ²/NDF:18.2/15
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 429.688+/-497.527 χ²/NDF:6.4/14
Left: 122.125+/-354.114 χ²/NDF: 25.4/30
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 724.620+/-385.339 χ²/NDF:21.7/30
Out: -143.843+/-386.861 χ²/NDF:36.6/34
All: 292.100+/-273.012 χ²/NDF: 60.8/65



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1779.722+/-0.356 χ^2/NDF:347862.8/15

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1750.760+/-0.352 χ^2/NDF:56954.6/14

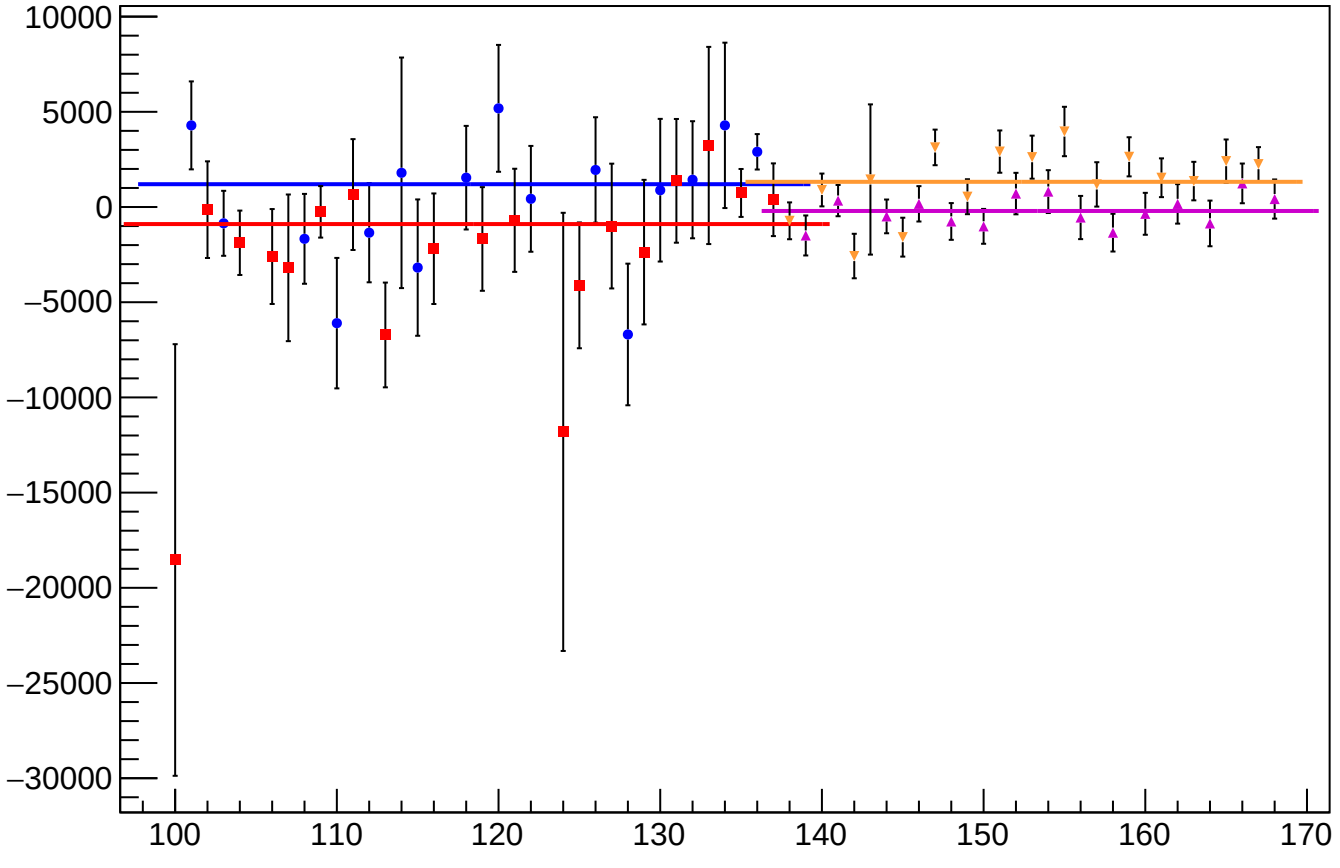
Left: 1765.051+/-0.250 χ^2/NDF: 408161.4/30

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.907+/-0.272 χ^2/NDF:522400.2/30

Out: 1707.261+/-0.274 χ^2/NDF:874166.5/34

All: 1701.562+/-0.193 χ^2/NDF: 1397431.4/65



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1323.389+/-264.068 χ^2/NDF:39.6/15

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -207.942+/-259.636 χ^2/NDF:9.0/14

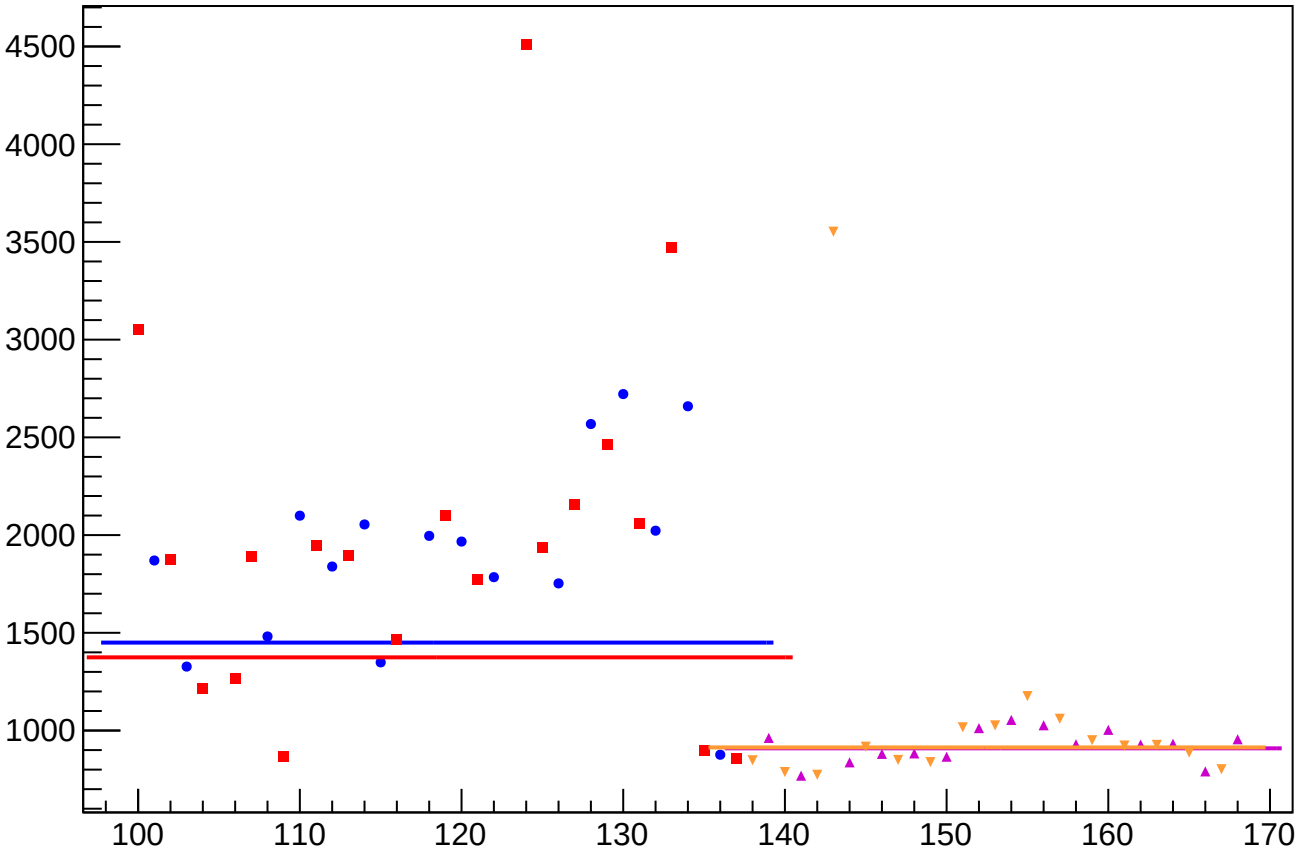
Left: 544.766+/-185.137 χ^2/NDF: 65.7/30

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 28.009+/-236.855 χ^2/NDF:35.6/30

Out: 915.800+/-238.584 χ^2/NDF:66.8/34

All: 468.676+/-168.090 χ^2/NDF: 109.4/65


asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
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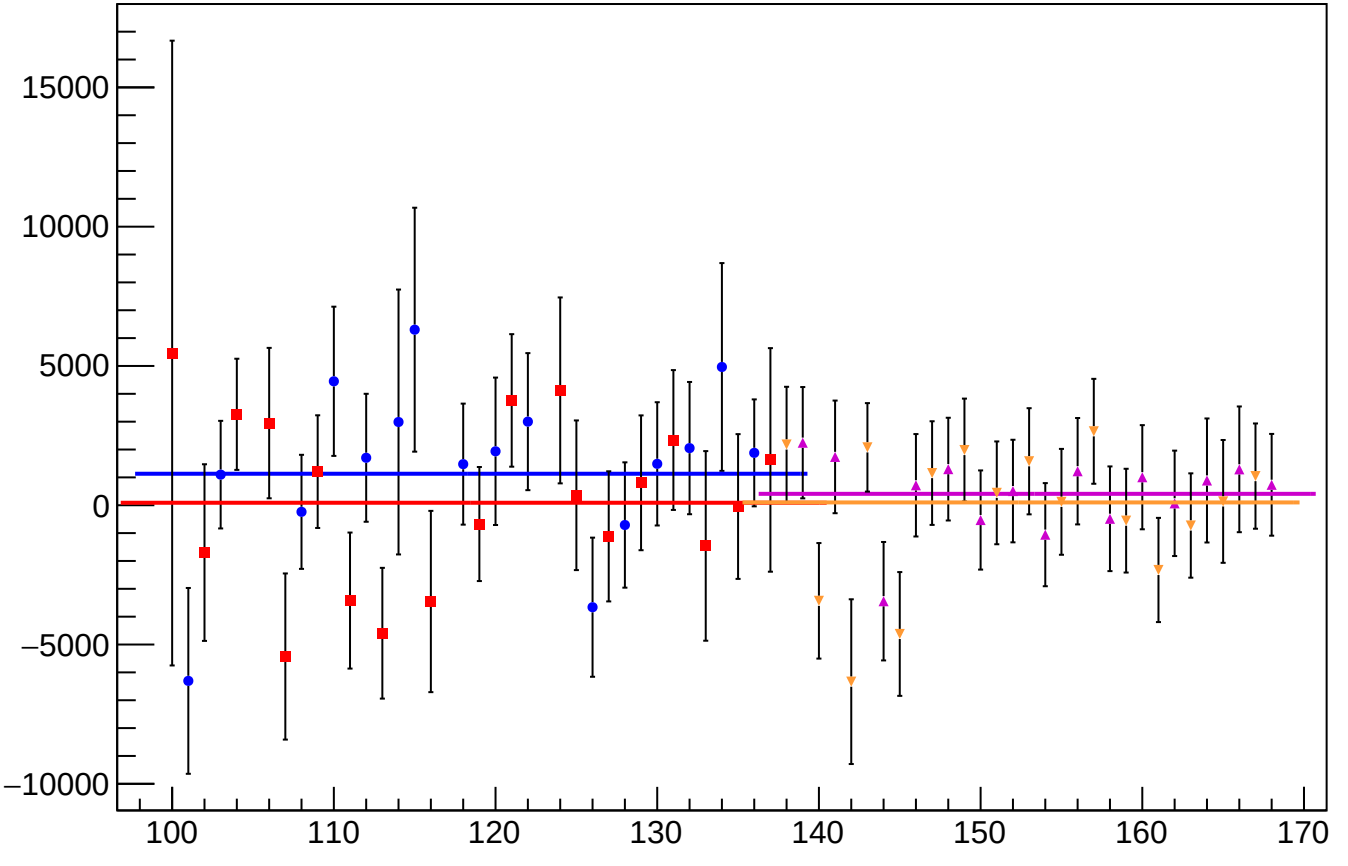
120
130
140
150
160
170
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 913.613+/-0.187 χ²/NDF:1184169.1/15
Right Out: 1374.438+/-0.394 χ²/NDF: 2127695.6/18
Left In: 908.929+/-0.184 χ²/NDF:203801.5/14
Left: 911.232+/-0.131 χ²/NDF: 1388290.6/30
Right: 1410.753+/-0.284 χ²/NDF: 3938065.4/34
In: 999.702+/-0.167 χ²/NDF:3453472.1/30
Out: 998.264+/-0.169 χ²/NDF:4430695.7/34
All: 998.988+/-0.119 χ²/NDF: 7884204.4/65

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 100.876+/-485.968 χ^2/NDF:20.8/15

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 409.466+/-498.148 χ^2/NDF:6.5/14

Left: 251.353+/-347.858 χ^2/NDF: 27.5/30

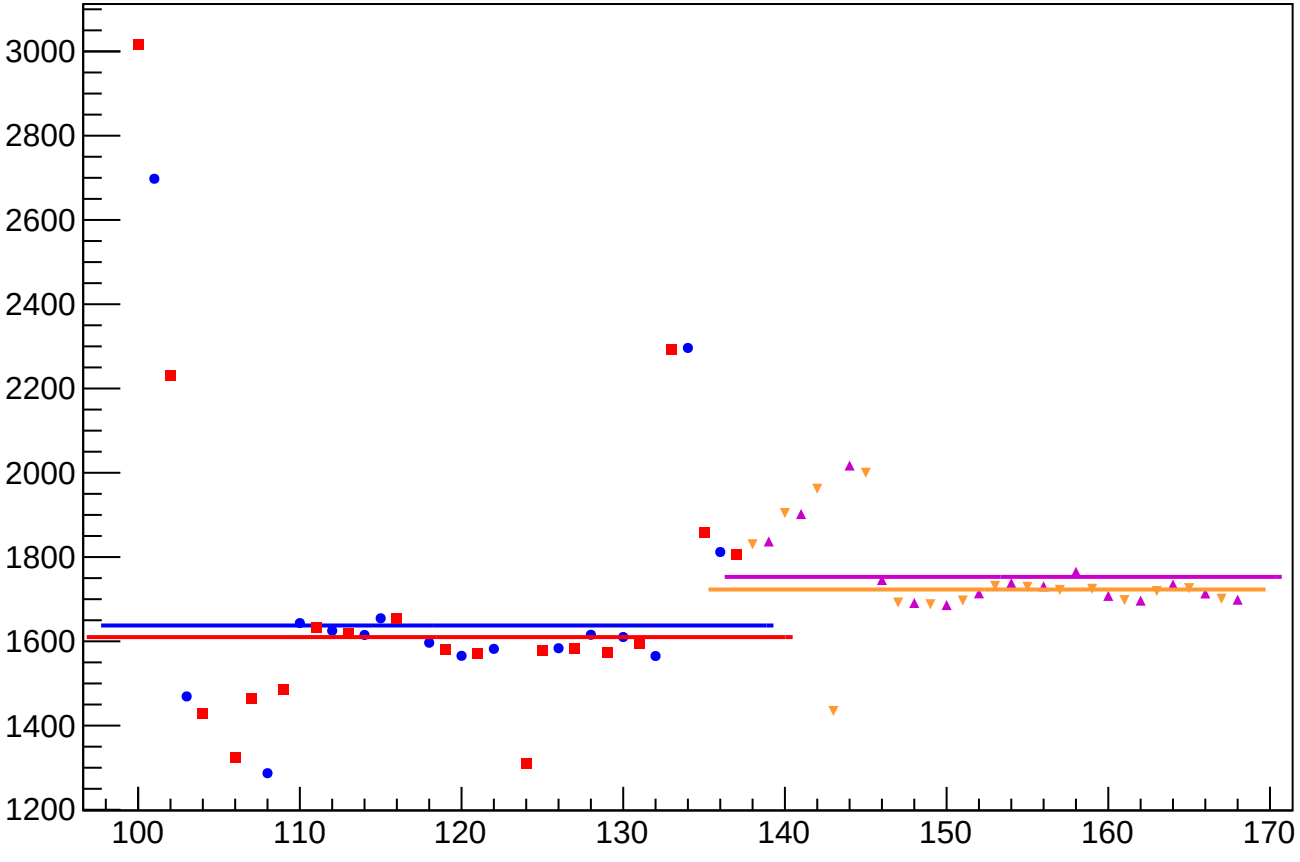
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 693.956+/-387.649 χ^2/NDF:22.3/30

Out: 96.287+/-378.401 χ^2/NDF:41.5/34

All: 387.907+/-270.780 χ^2/NDF: 65.0/65

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133231.5/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1752.928+/-0.352 χ^2/NDF:57246.6/14

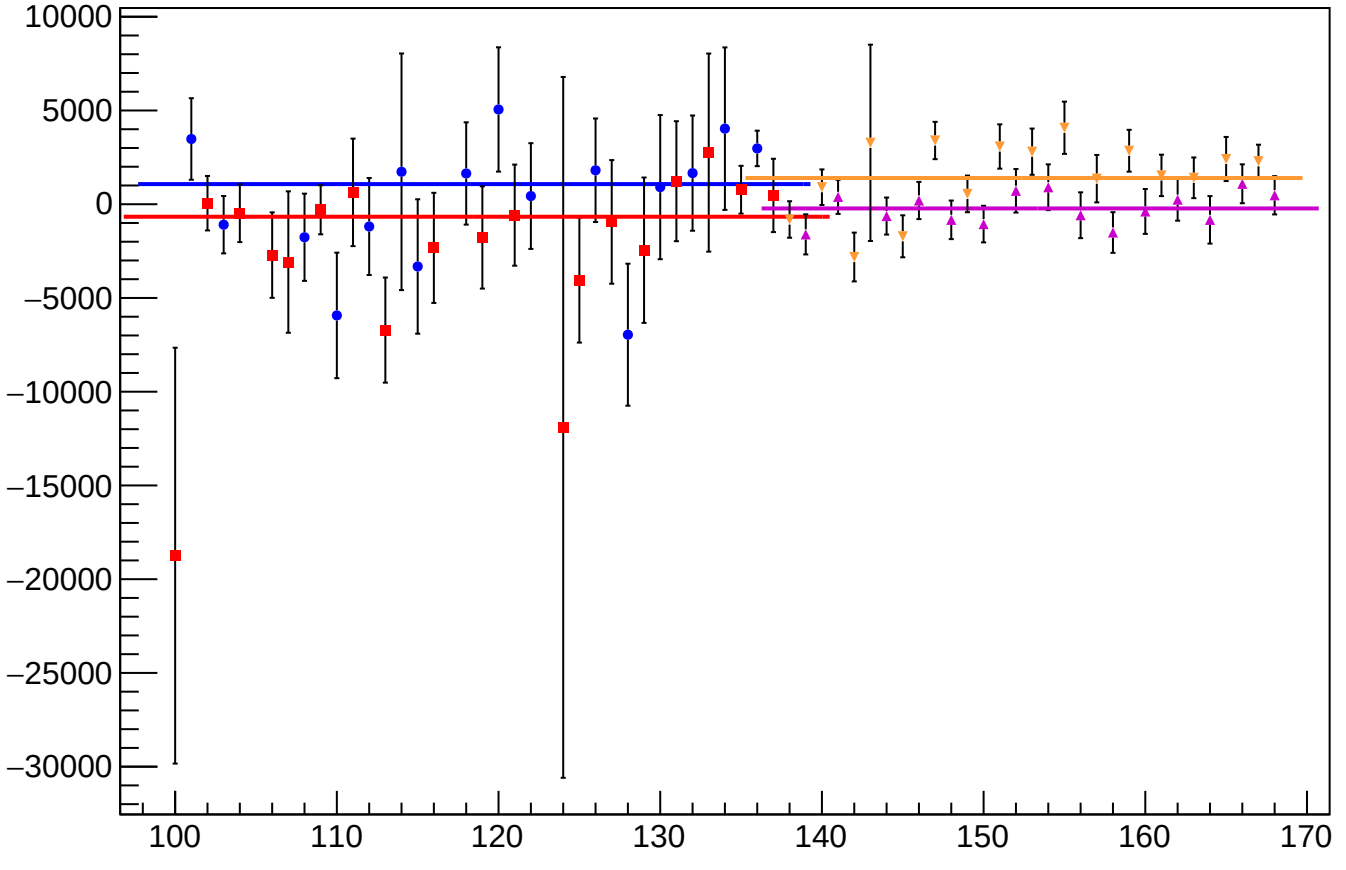
Left: 1737.565+/-0.246 χ^2/NDF: 194190.7/30

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.428+/-0.274 χ^2/NDF:460964.7/30

Out: 1678.495+/-0.268 χ^2/NDF:456542.3/34

All: 1692.612+/-0.191 χ^2/NDF: 923212.4/65



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1398.944+/-281.303 χ^2/NDF:39.0/15

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -225.237+/-276.724 χ^2/NDF:9.1/14

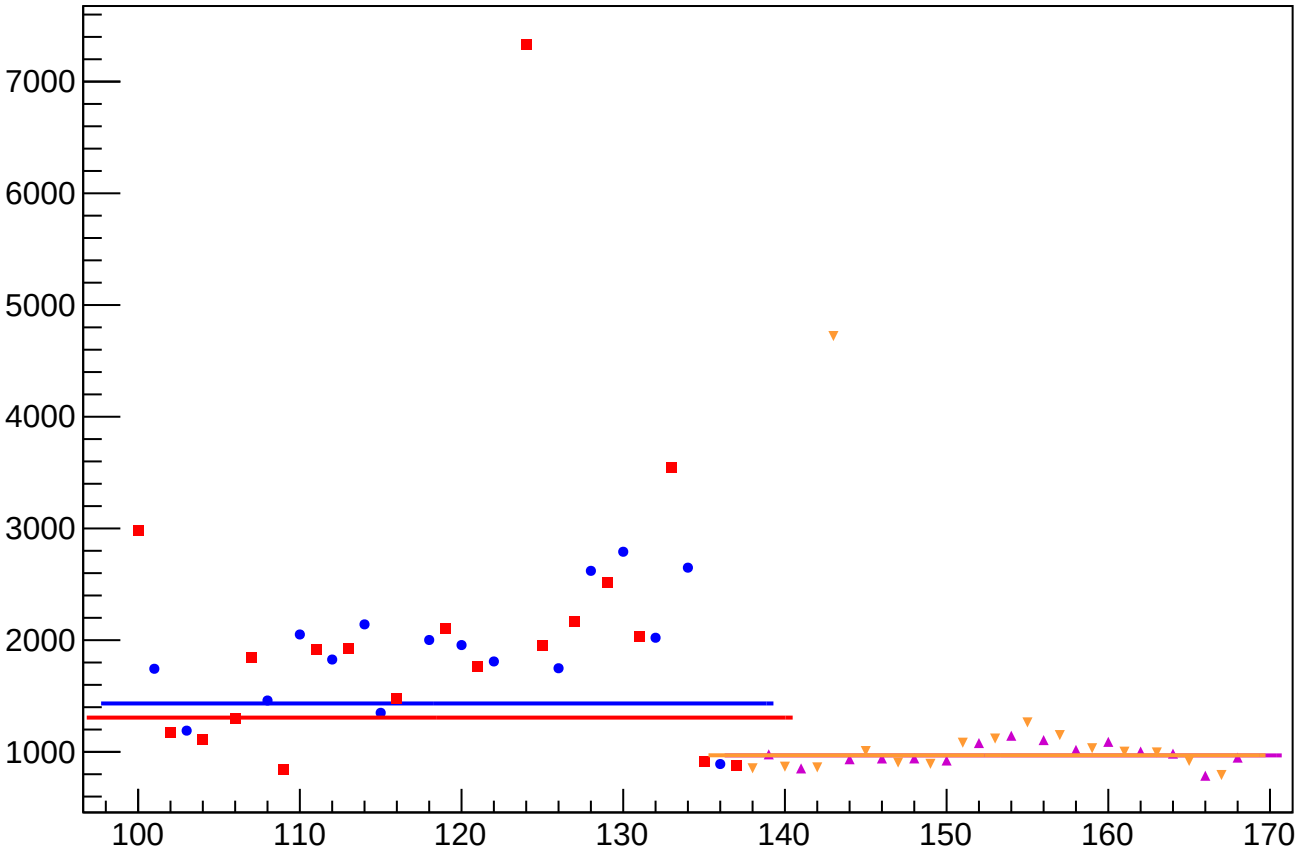
Left: 573.525+/-197.272 χ^2/NDF: 65.1/30

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 21.370+/-249.072 χ^2/NDF:35.3/30

Out: 935.859+/-247.792 χ^2/NDF:64.7/34

All: 480.971+/-175.666 χ^2/NDF: 106.8/65


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
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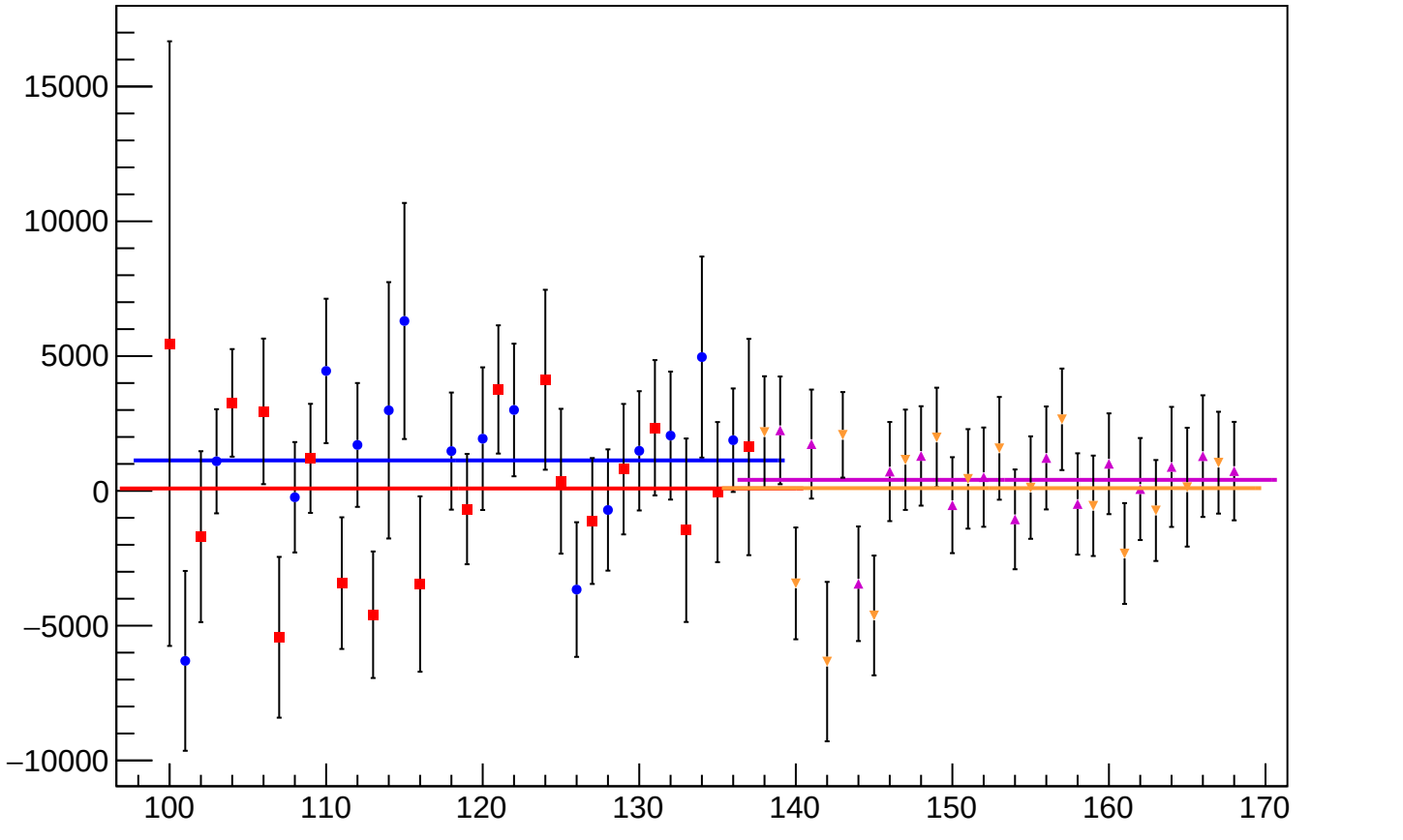
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 969.535+/-0.199 χ²/NDF:1387165.8/15
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 968.537+/-0.196 χ²/NDF:216754.4/14
Left: 969.028+/-0.139 χ²/NDF: 1603933.0/30
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1056.814+/-0.176 χ²/NDF:3052212.2/30
Out: 1045.120+/-0.175 χ²/NDF:4215498.4/34
All: 1050.937+/-0.124 χ²/NDF: 7269926.6/65



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 100.870+/-485.968 χ^2/NDF:20.8/15

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 409.468+/-498.148 χ^2/NDF:6.5/14

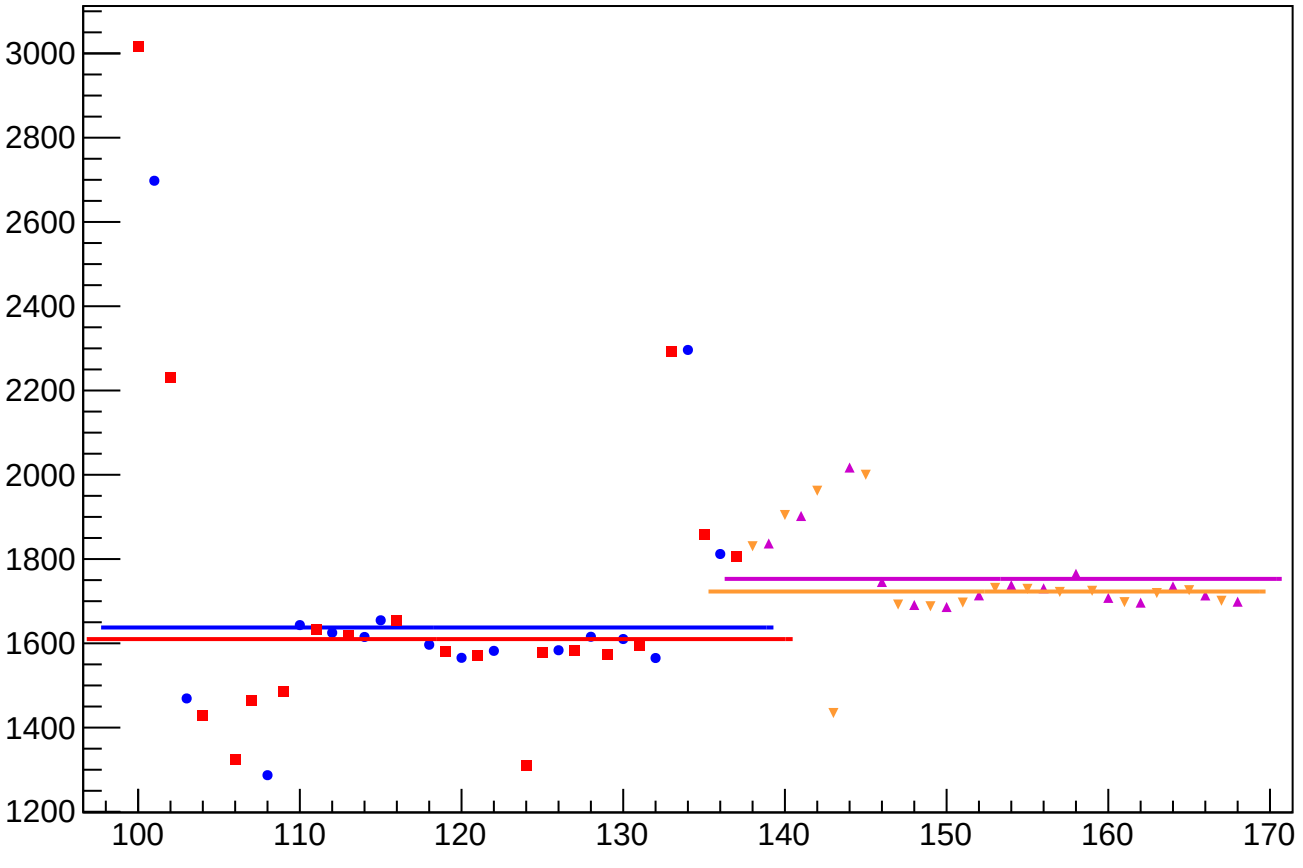
Left: 251.350+/-347.858 χ^2/NDF: 27.5/30

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 693.957+/-387.649 χ^2/NDF:22.3/30

Out: 96.285+/-378.401 χ^2/NDF:41.5/34

All: 387.907+/-270.780 χ^2/NDF: 65.0/65



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1722.944+/-0.344 χ^2/NDF:133230.4/15

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1752.928+/-0.352 χ^2/NDF:57246.7/14

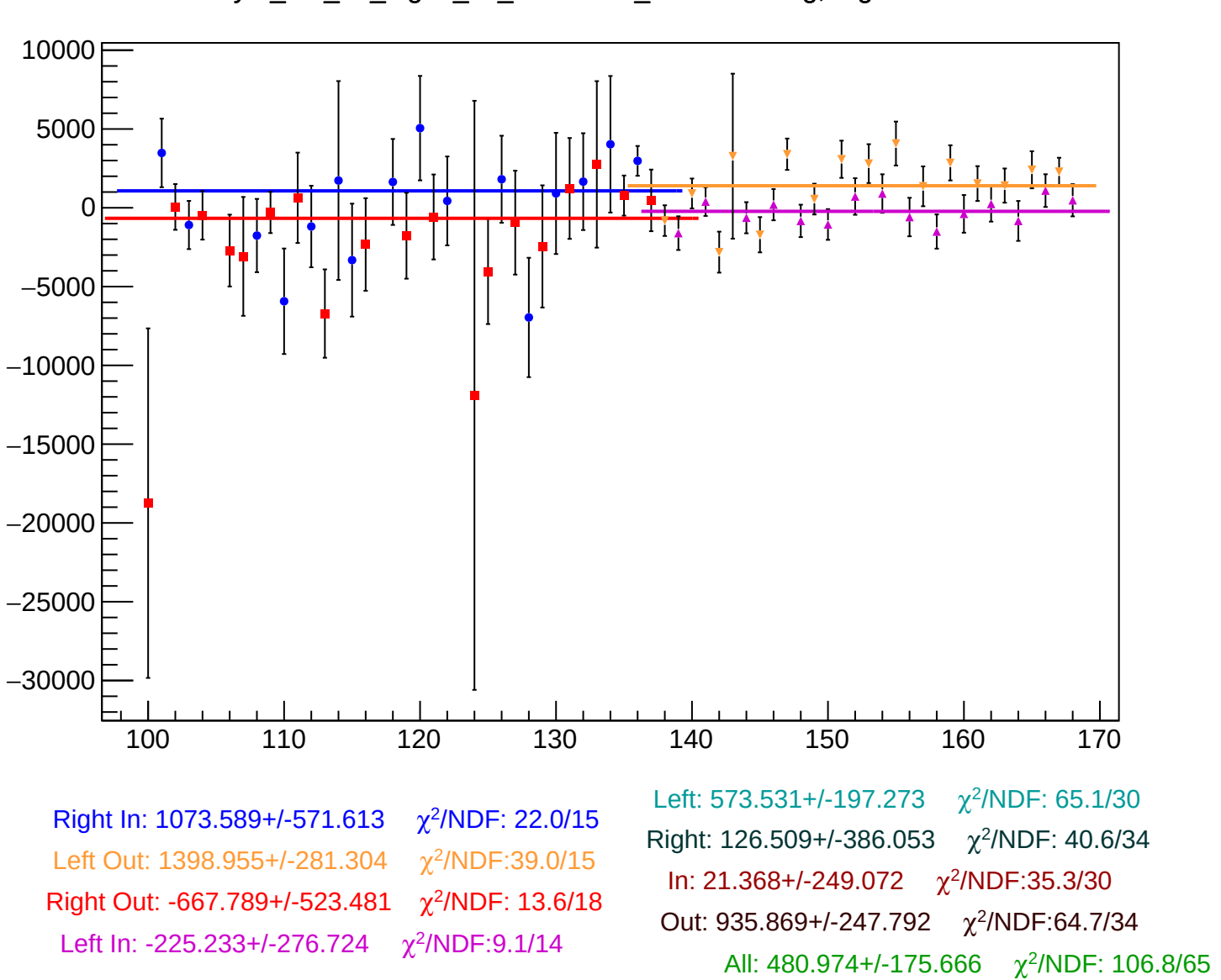
Left: 1737.565+/-0.246 χ^2/NDF: 194189.7/30

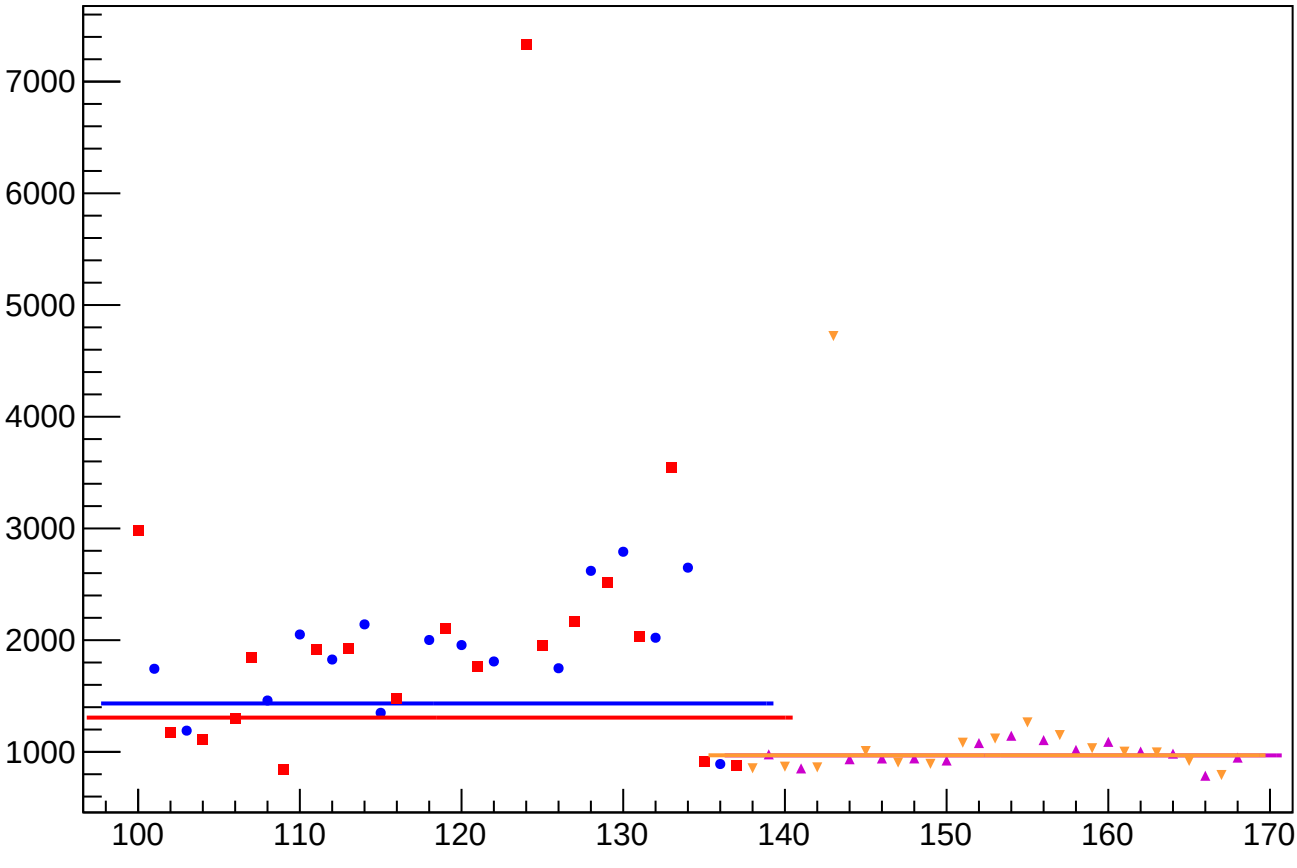
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.428+/-0.274 χ^2/NDF:460964.7/30

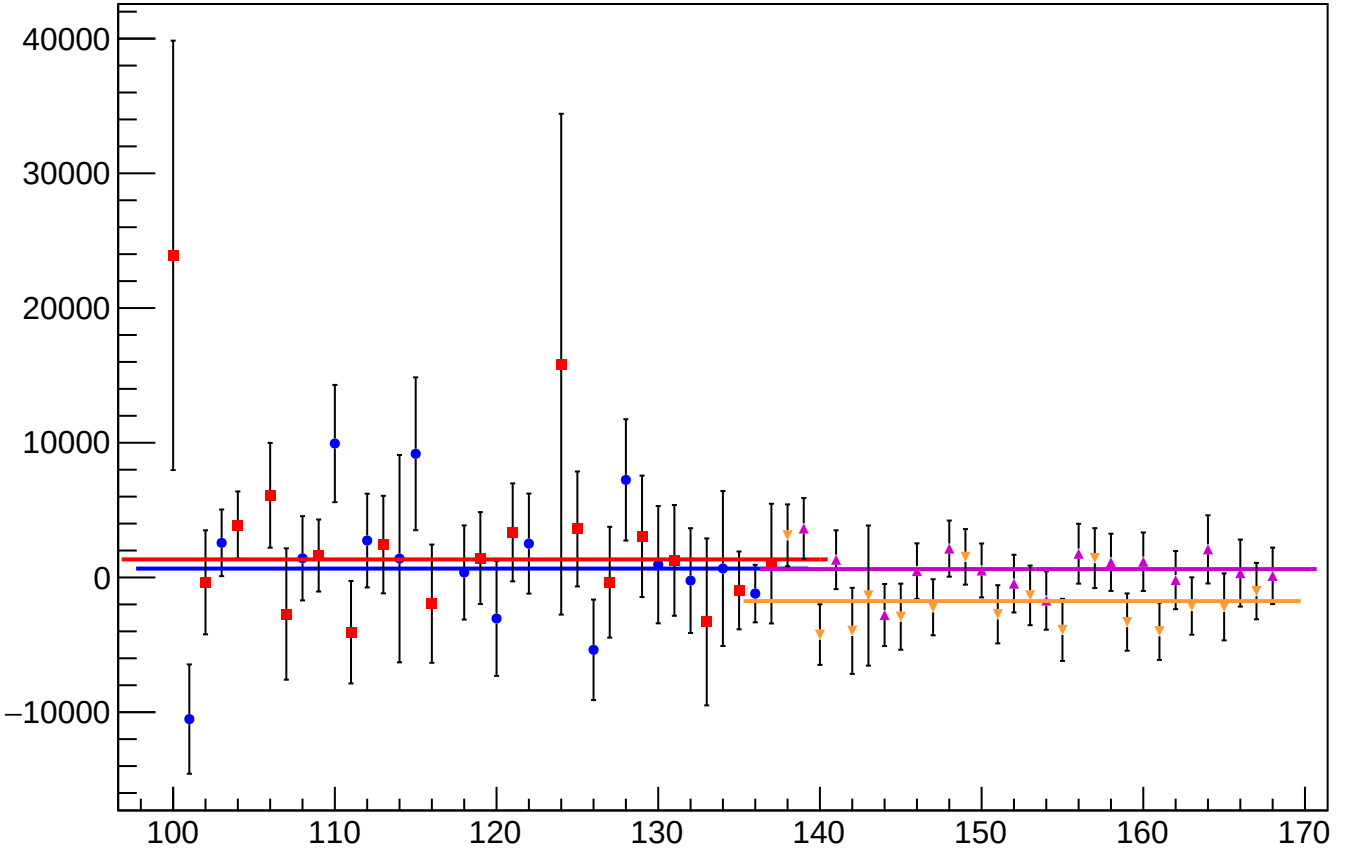
Out: 1678.495+/-0.268 χ^2/NDF:456541.7/34

All: 1692.612+/-0.191 χ^2/NDF: 923211.8/65


asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 1073.589+/-571.613 χ²/NDF: 22.0/15
Left Out: 1398.955+/-281.304 χ²/NDF:39.0/15
Right Out: -667.789+/-523.481 χ²/NDF: 13.6/18
Left In: -225.233+/-276.724 χ²/NDF:9.1/14
Left: 573.531+/-197.273 χ²/NDF: 65.1/30
Right: 126.509+/-386.053 χ²/NDF: 40.6/34
In: 21.368+/-249.072 χ²/NDF:35.3/30
Out: 935.869+/-247.792 χ²/NDF:64.7/34
All: 480.974+/-175.666 χ²/NDF: 106.8/65


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
170
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 969.537+/-0.199 χ²/NDF:1387149.0/15
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 968.537+/-0.196 χ²/NDF:216756.5/14
Left: 969.029+/-0.139 χ²/NDF: 1603918.3/30
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1056.816+/-0.176 χ²/NDF:3052179.4/30
Out: 1045.124+/-0.175 χ²/NDF:4215444.8/34
All: 1050.940+/-0.124 χ²/NDF: 7269839.3/65

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1752.361+/-575.862 χ^2/NDF:14.0/15

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 622.407+/-564.621 χ^2/NDF:7.0/14

Left: -541.572+/-403.163 χ^2/NDF: 29.6/30

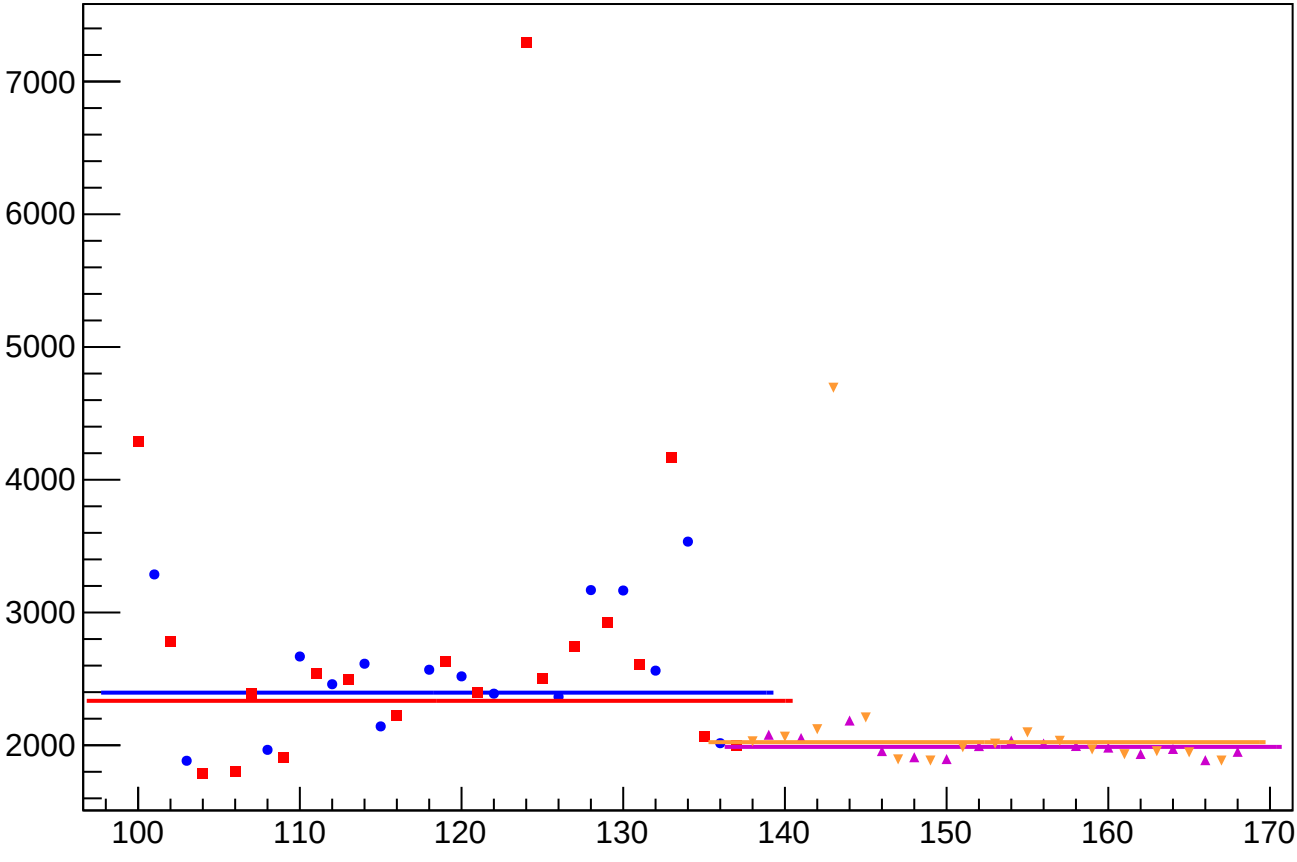
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 632.713+/-479.710 χ^2/NDF:28.9/30

Out: -840.026+/-483.574 χ^2/NDF:33.4/34

All: -97.750+/-340.564 χ^2/NDF: 67.0/65

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2023.270+/-0.407 χ^2/NDF:578446.4/15

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1987.604+/-0.399 χ^2/NDF:33870.0/14

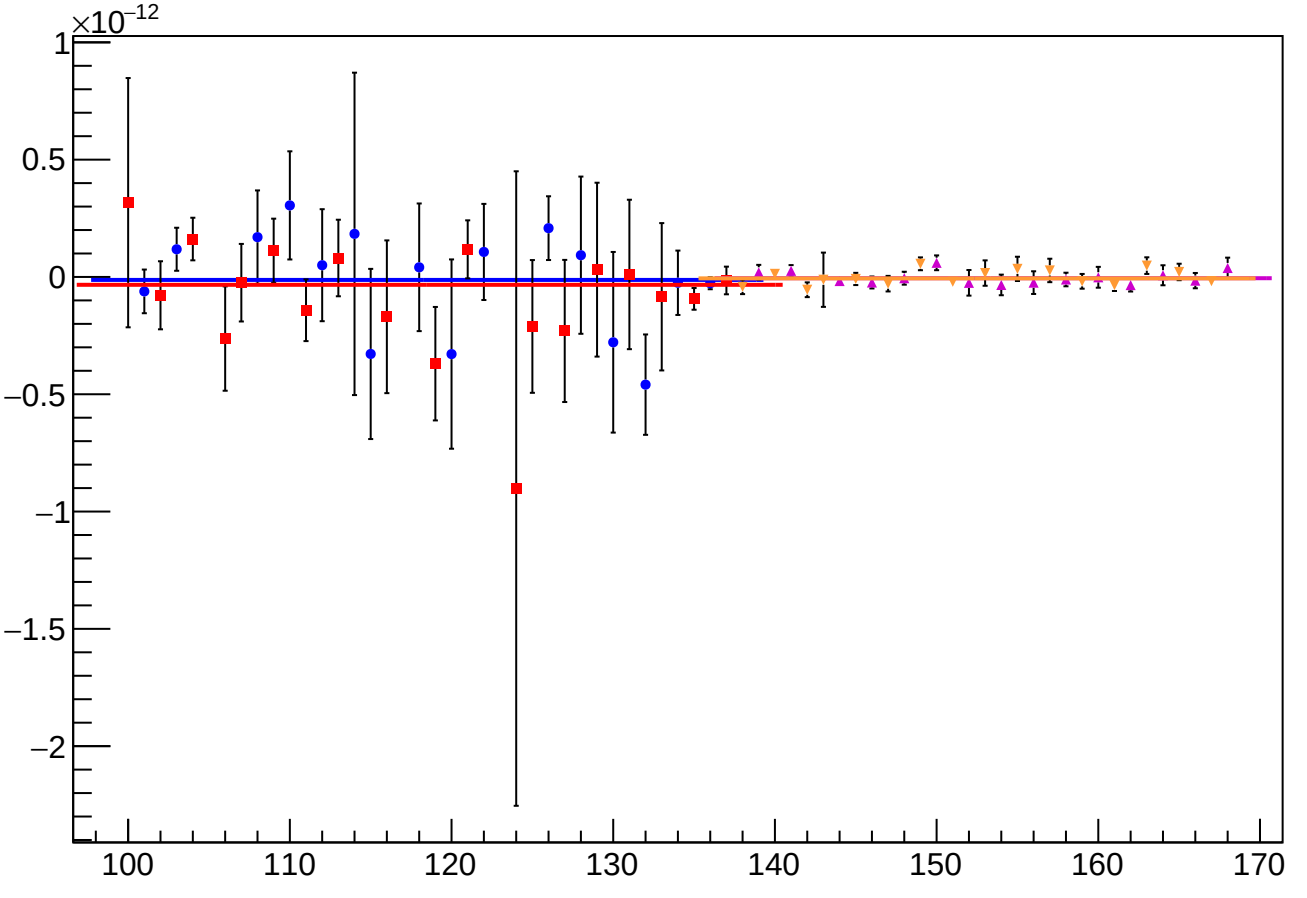
Left: 2005.085+/-0.285 χ^2/NDF: 616227.9/30

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2101.278+/-0.339 χ^2/NDF:833209.4/30

Out: 2115.061+/-0.342 χ^2/NDF:1432361.8/34

All: 2108.114+/-0.241 χ^2/NDF: 2266390.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/14

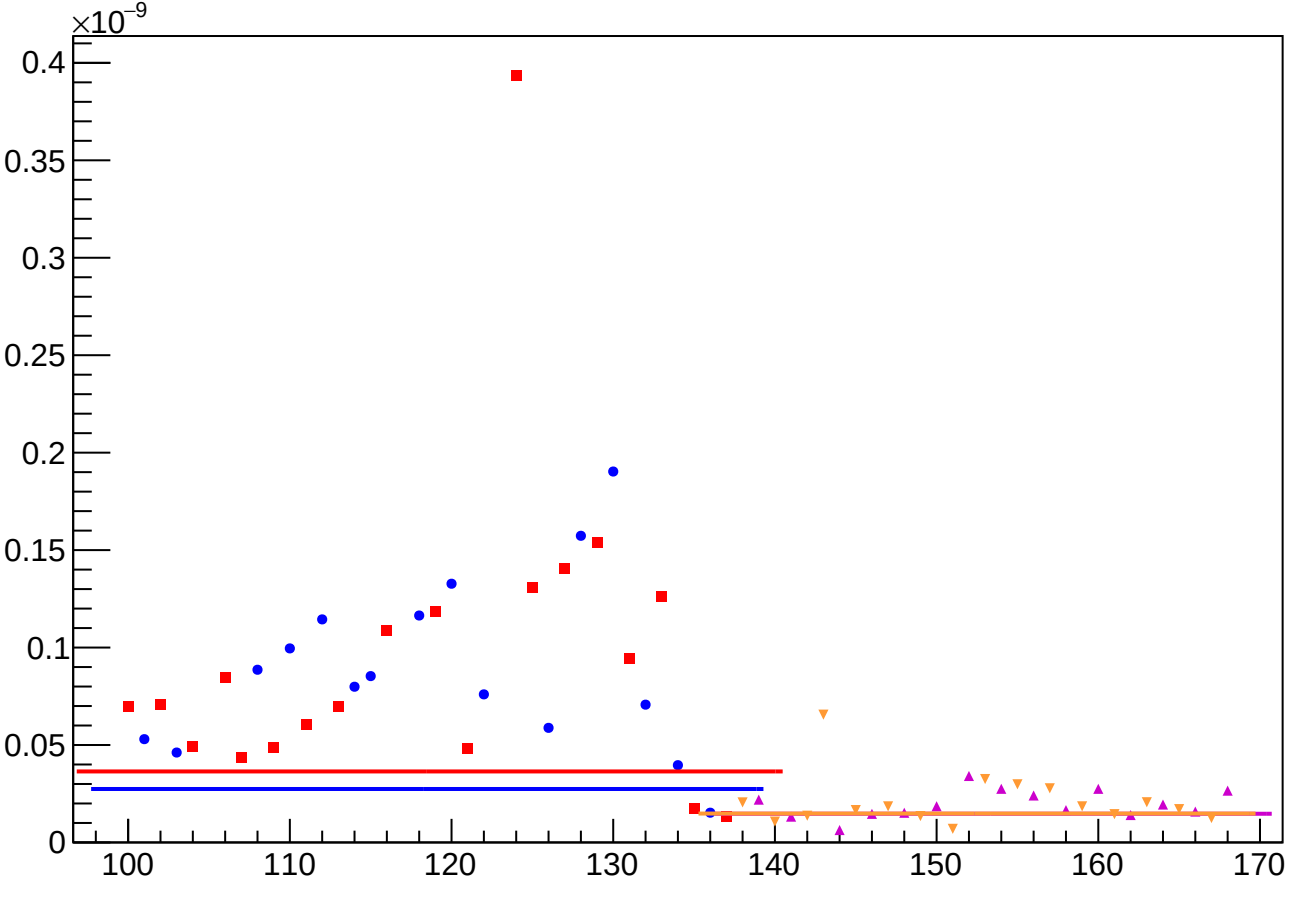
Left: -0.000+/-0.000 χ^2/NDF: 27.9/30

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:25.9/30

Out: -0.000+/-0.000 χ^2/NDF:33.1/34

All: -0.000+/-0.000 χ^2/NDF: 59.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1577315.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1719899.2/14

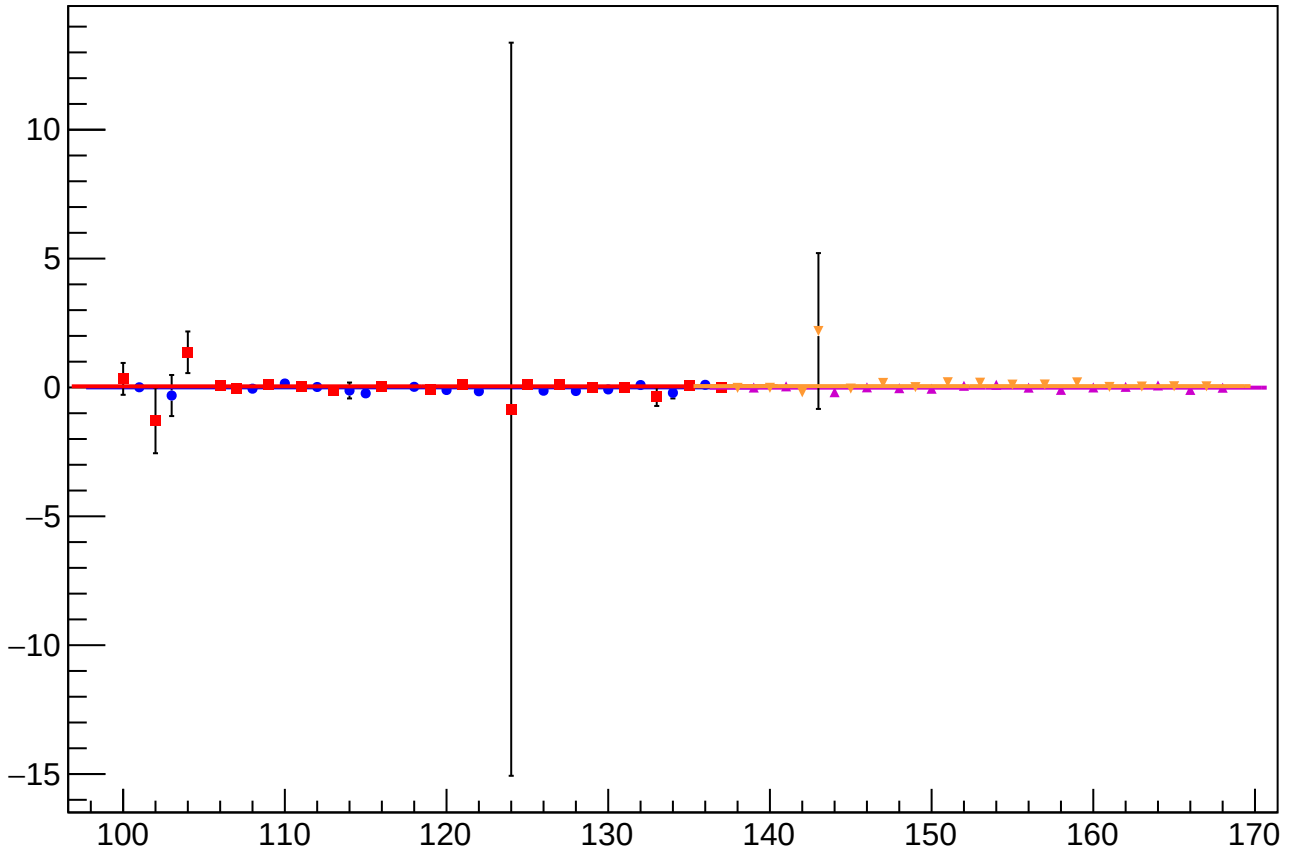
Left: 0.000+/-0.000 χ^2/NDF: 3297418.7/30

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5037990.2/30

Out: 0.000+/-0.000 χ^2/NDF:5136920.2/34

All: 0.000+/-0.000 χ^2/NDF: 10175537.6/65



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.019 χ^2/NDF:9.2/14

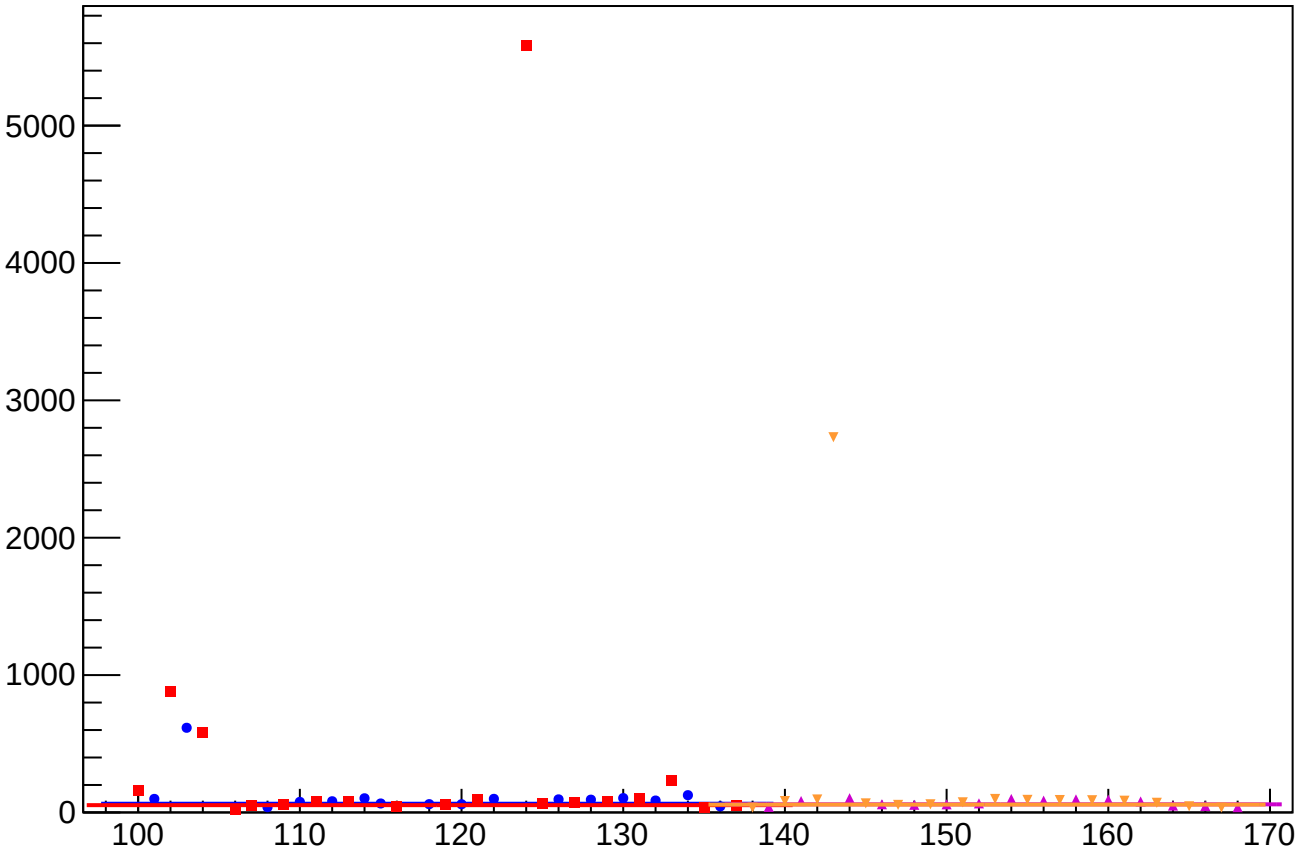
Left: 0.022+/-0.013 χ^2/NDF: 33.7/30

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.015 χ^2/NDF:22.6/30

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.023+/-0.011 χ^2/NDF: 60.9/65



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.334+/-0.013 χ^2/NDF:4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 59.085+/-0.013 χ^2/NDF:2269438.9/14

Left: 58.212+/-0.009 χ^2/NDF: 6475519.2/30

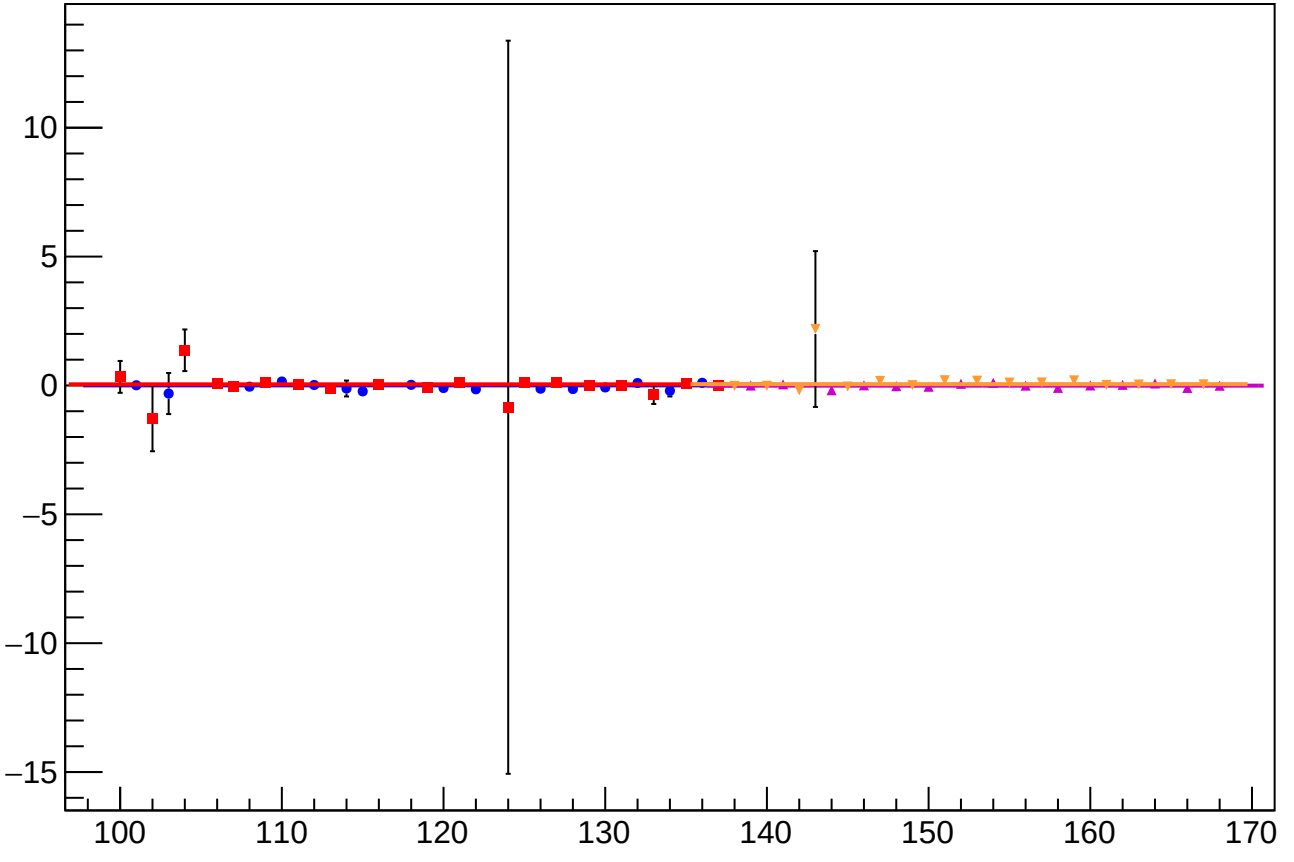
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.477+/-0.011 χ^2/NDF:4749826.2/30

Out: 55.845+/-0.011 χ^2/NDF:8178332.7/34

All: 58.093+/-0.008 χ^2/NDF: 13021759.0/65

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: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.019 χ^2/NDF:9.2/14

Left: 0.022+/-0.013 χ^2/NDF: 33.7/30

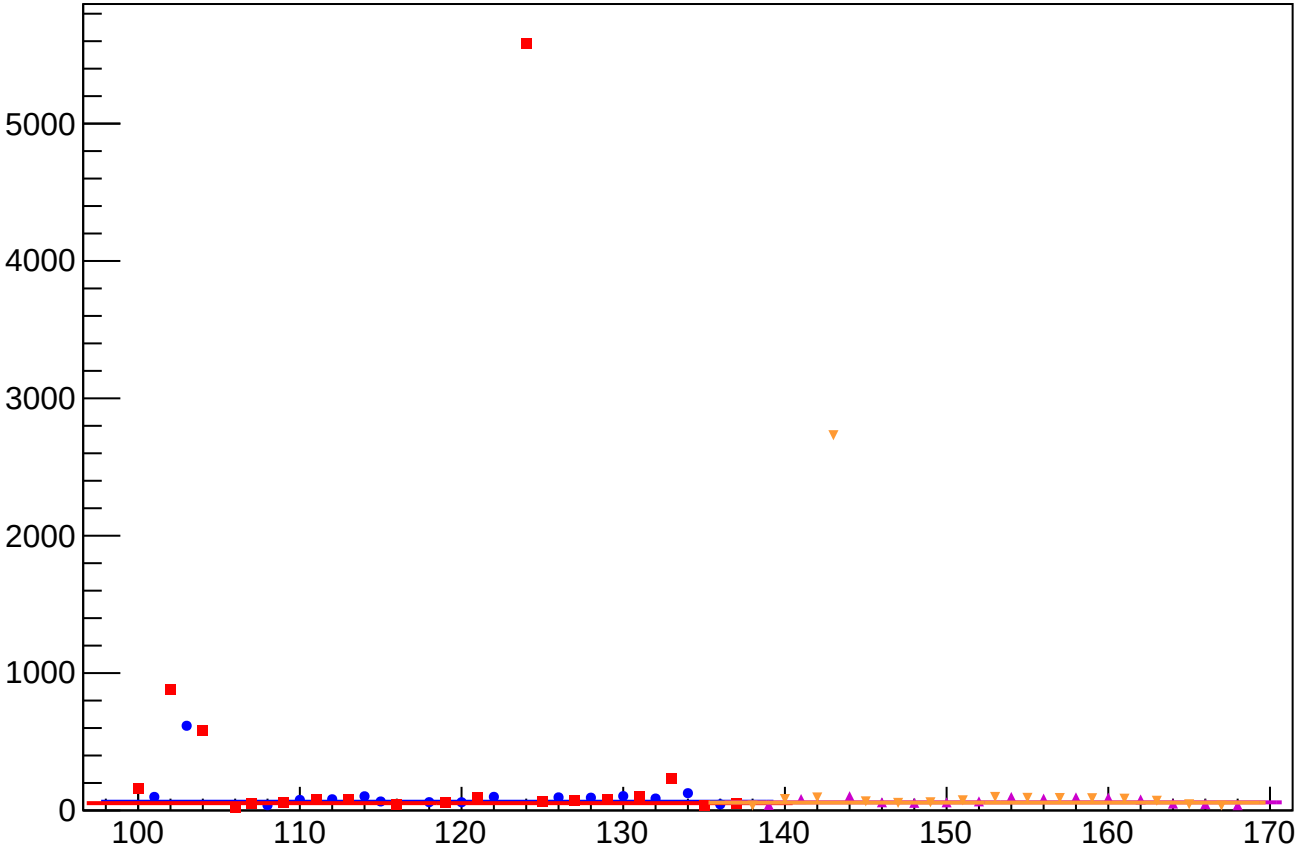
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.015 χ^2/NDF:22.6/30

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.023+/-0.011 χ^2/NDF: 60.9/65

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: 57.334+/-0.013 χ^2/NDF:4197243.5/15

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 59.085+/-0.013 χ^2/NDF:2269438.9/14

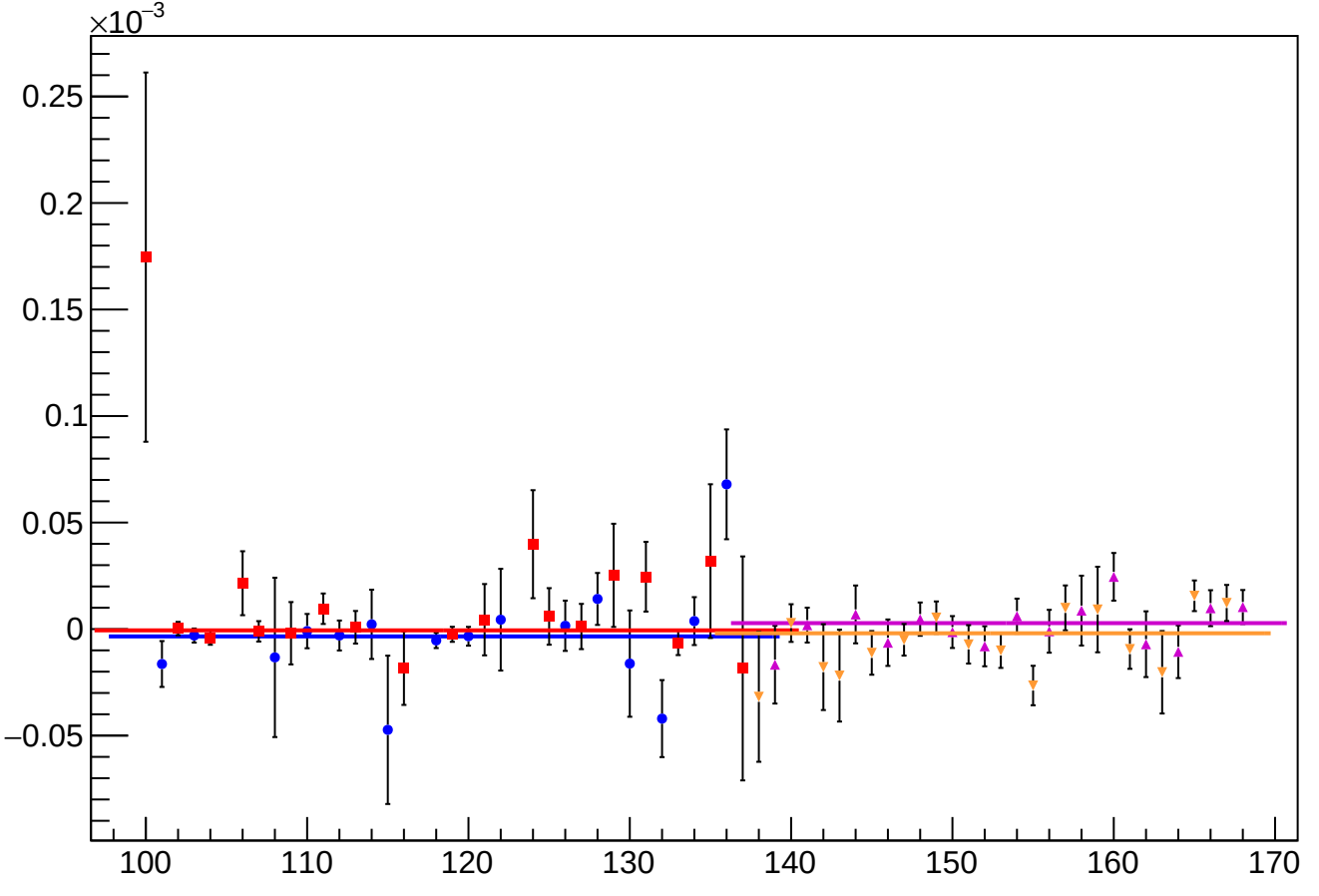
Left: 58.212+/-0.009 χ^2/NDF: 6475519.2/30

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.477+/-0.011 χ^2/NDF:4749826.2/30

Out: 55.845+/-0.011 χ^2/NDF:8178332.7/34

All: 58.093+/-0.008 χ^2/NDF: 13021759.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/14

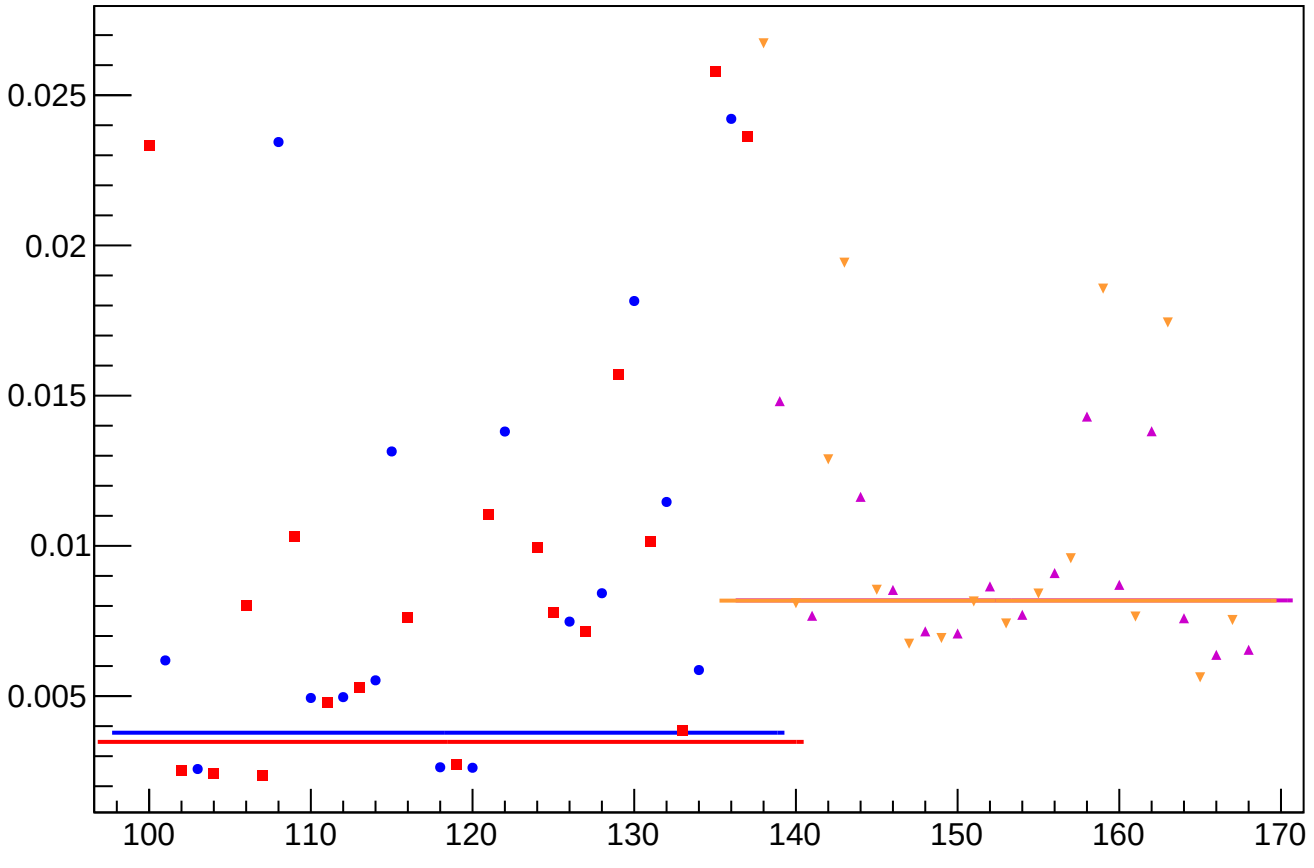
Left: 0.000+/-0.000 χ^2/NDF: 37.7/30

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:33.9/30

Out: -0.000+/-0.000 χ^2/NDF:44.3/34

All: -0.000+/-0.000 χ^2/NDF: 78.2/65



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2839802.8/15

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:1239114.3/14

Left: 0.008+/-0.000 χ^2/NDF: 4078925.2/30

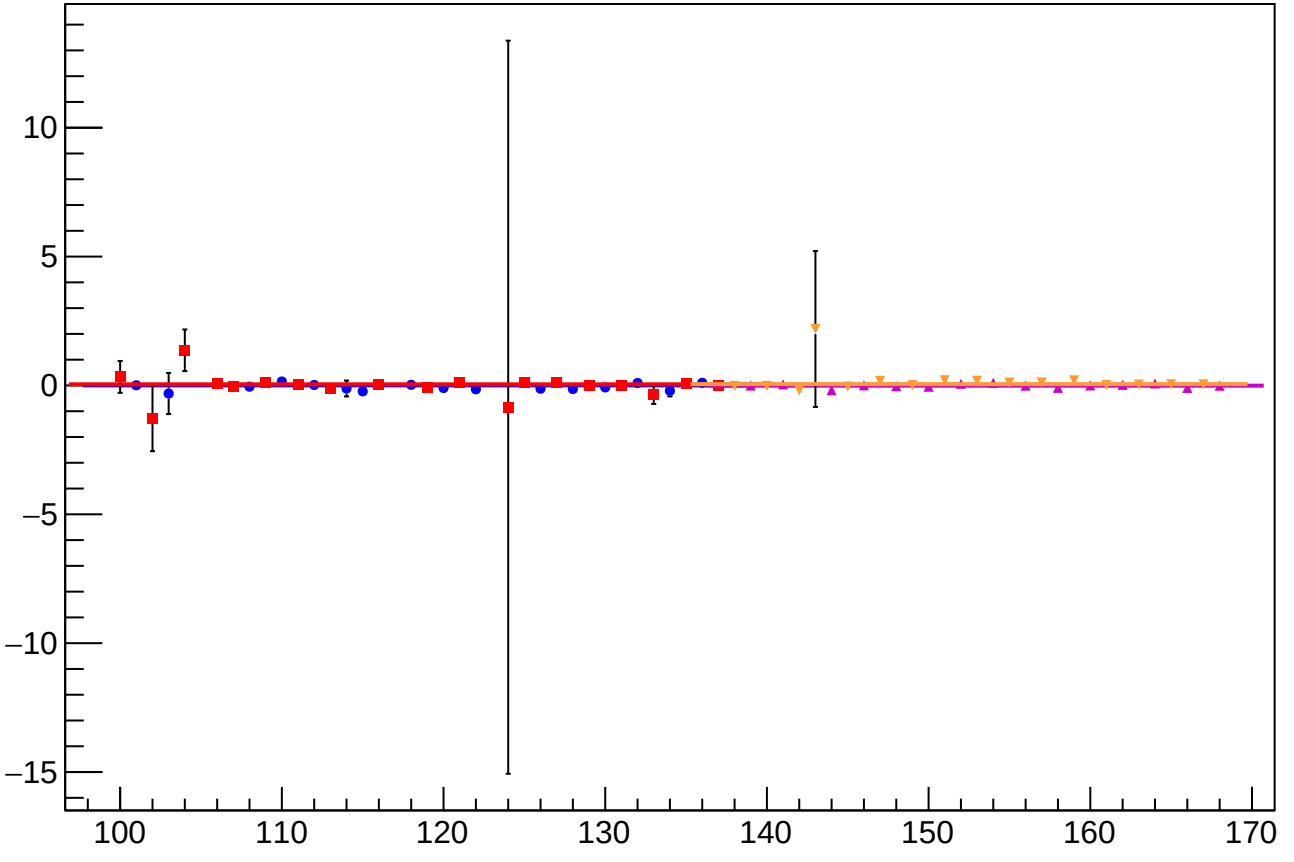
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9908697.6/30

Out: 0.005+/-0.000 χ^2/NDF:12488968.5/34

All: 0.005+/-0.000 χ^2/NDF: 22521440.7/65

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: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.019 χ^2/NDF:9.2/14

Left: 0.022+/-0.013 χ^2/NDF: 33.7/30

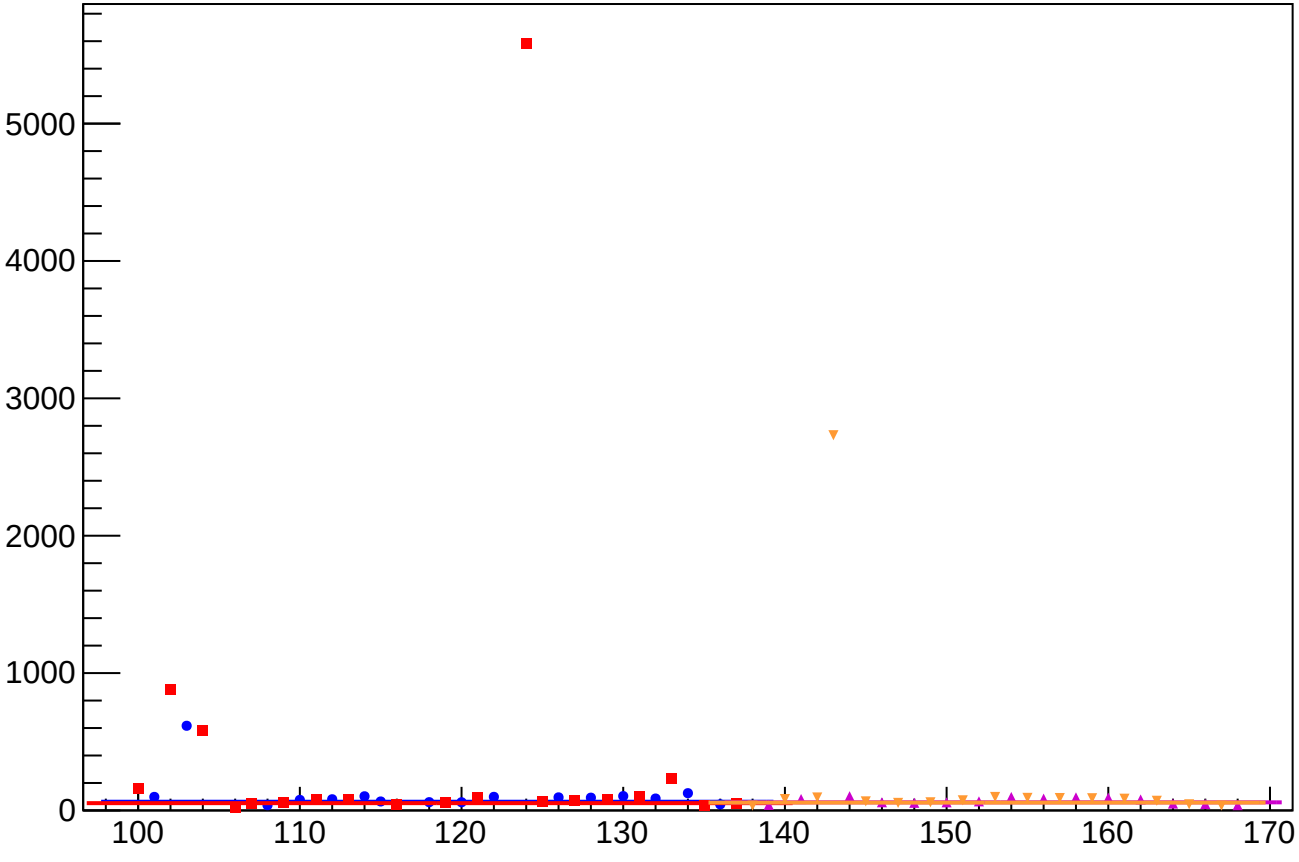
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.015 χ^2/NDF:22.6/30

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.023+/-0.011 χ^2/NDF: 60.9/65

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.333+/-0.013 χ^2/NDF:4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 59.088+/-0.013 χ^2/NDF:2268869.3/14

Left: 58.213+/-0.009 χ^2/NDF: 6474683.7/30

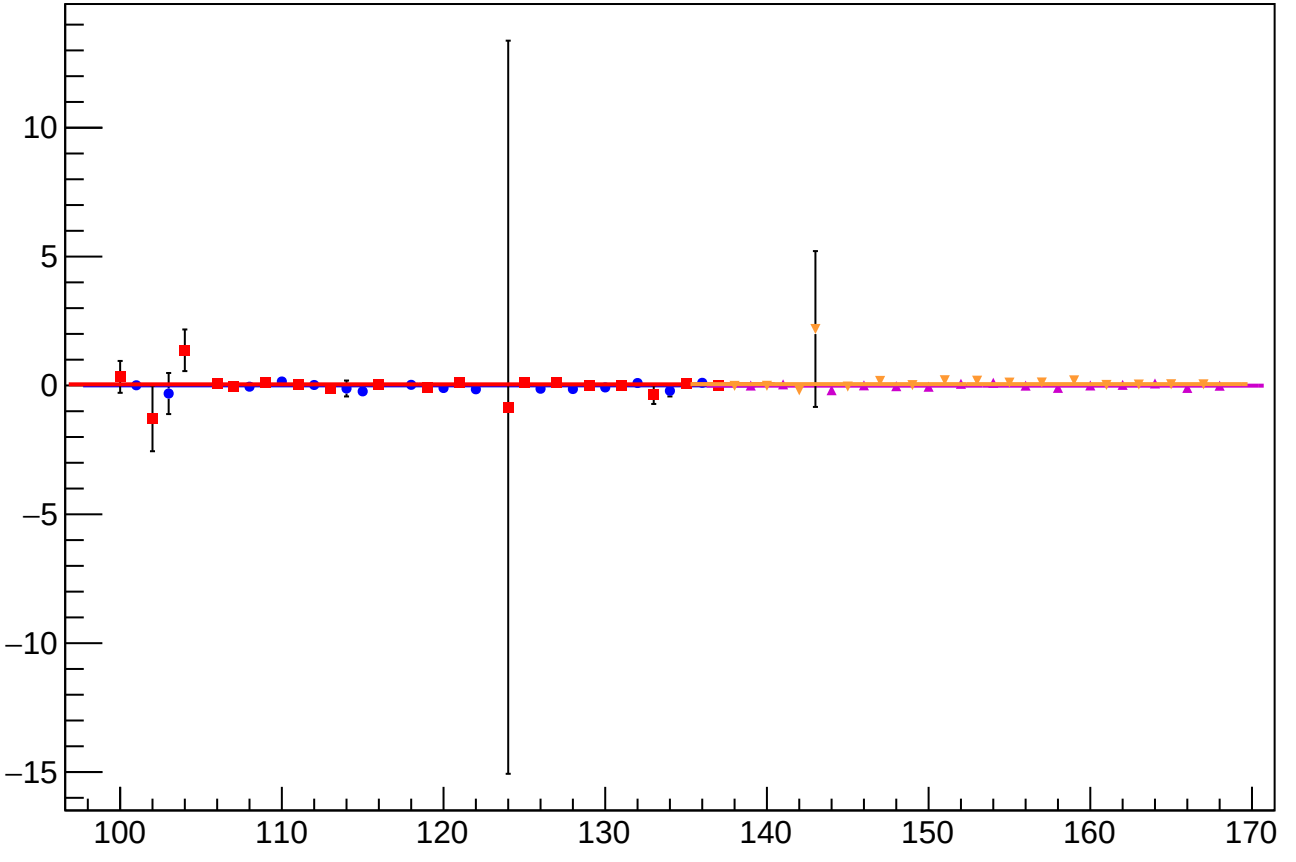
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.481+/-0.011 χ^2/NDF:4748446.7/30

Out: 55.842+/-0.011 χ^2/NDF:8178648.4/34

All: 58.094+/-0.008 χ^2/NDF: 13020991.3/65

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: 0.052+/-0.019 χ^2/NDF:19.4/15

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.019 χ^2/NDF:9.2/14

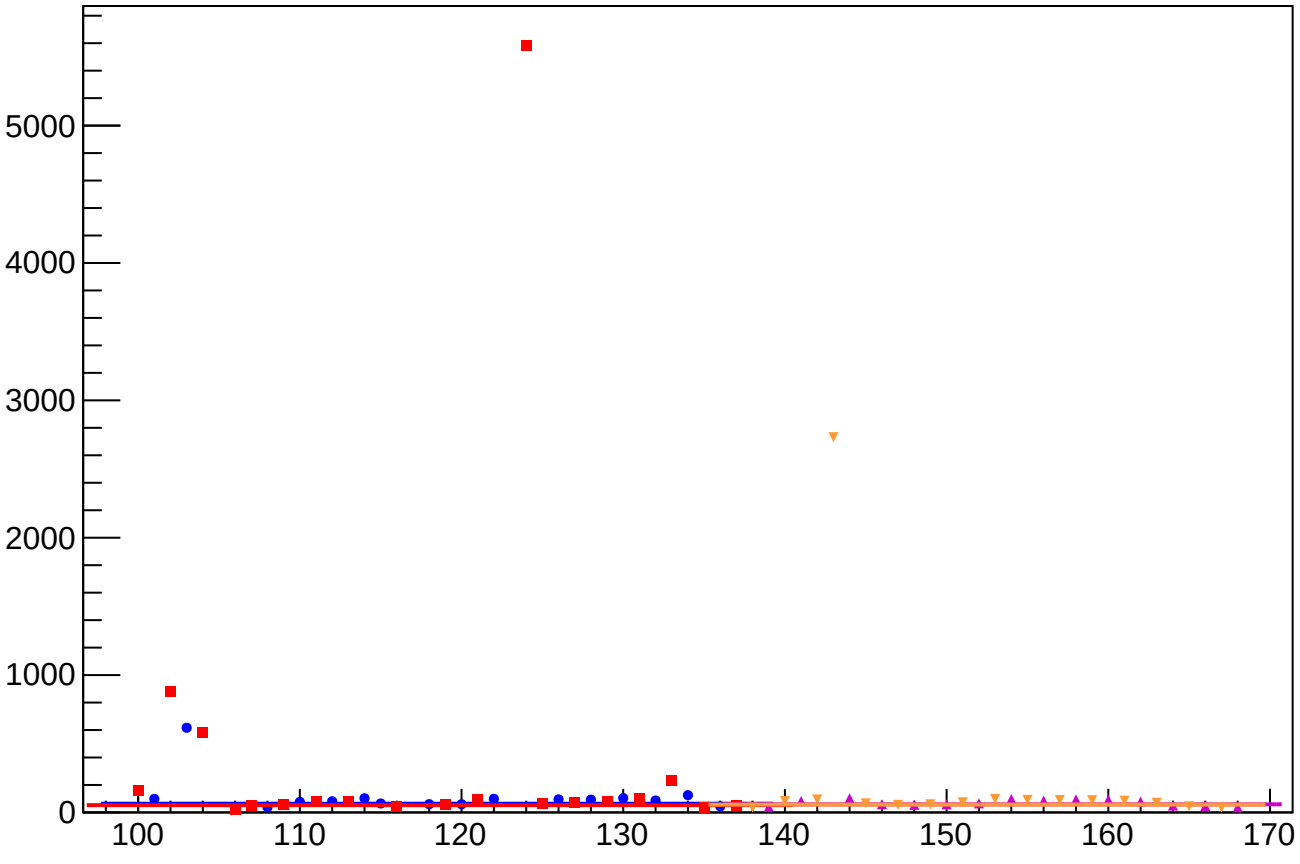
Left: 0.022+/-0.013 χ^2/NDF: 33.7/30

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.015 χ^2/NDF:22.6/30

Out: 0.049+/-0.015 χ^2/NDF:32.1/34

All: 0.023+/-0.011 χ^2/NDF: 60.9/65



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.333+/-0.013 χ^2/NDF:4196936.5/15

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 59.088+/-0.013 χ^2/NDF:2268869.3/14

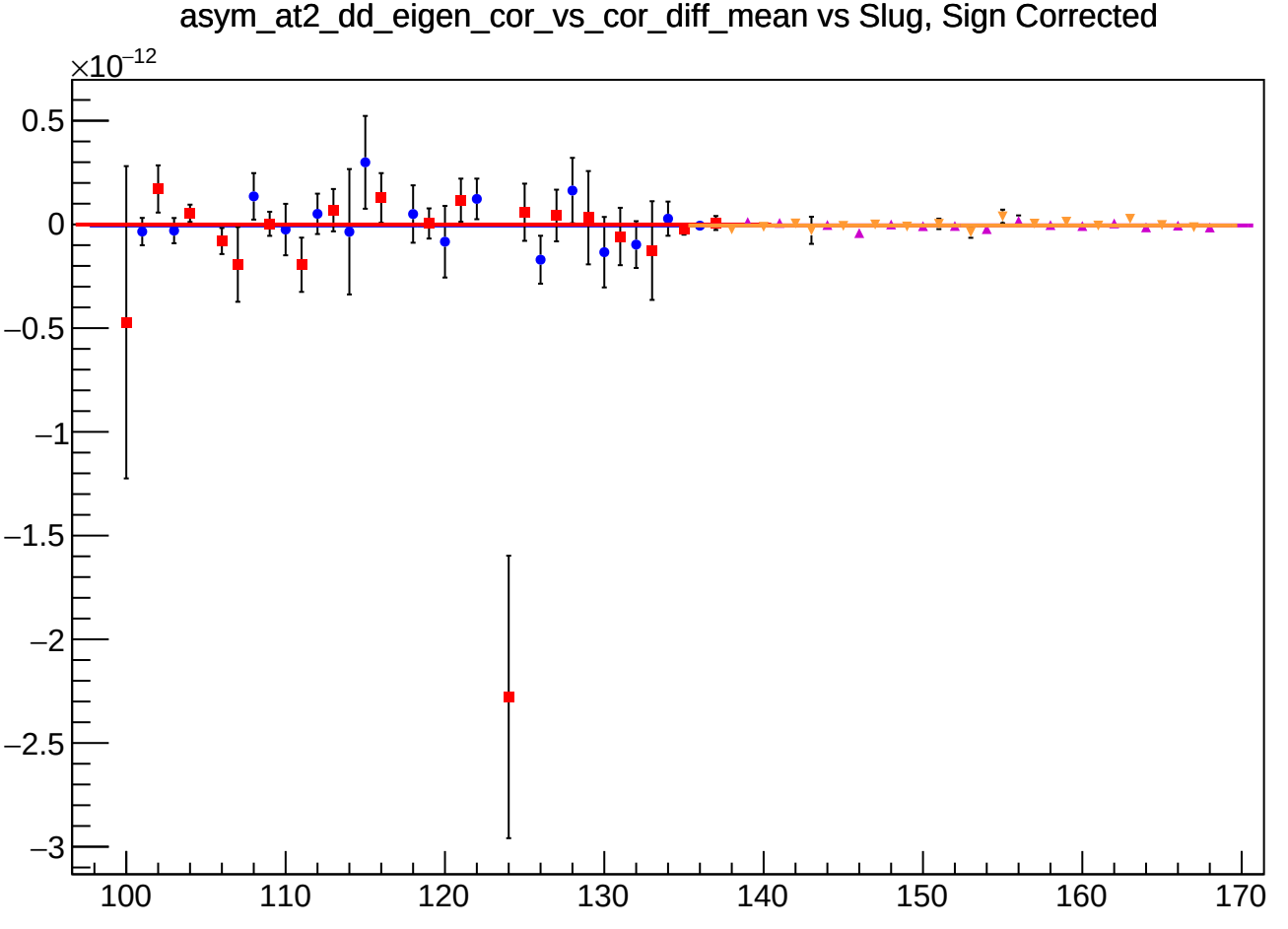
Left: 58.213+/-0.009 χ^2/NDF: 6474683.7/30

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.481+/-0.011 χ^2/NDF:4748446.7/30

Out: 55.842+/-0.011 χ^2/NDF:8178648.4/34

All: 58.094+/-0.008 χ^2/NDF: 13020991.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/14

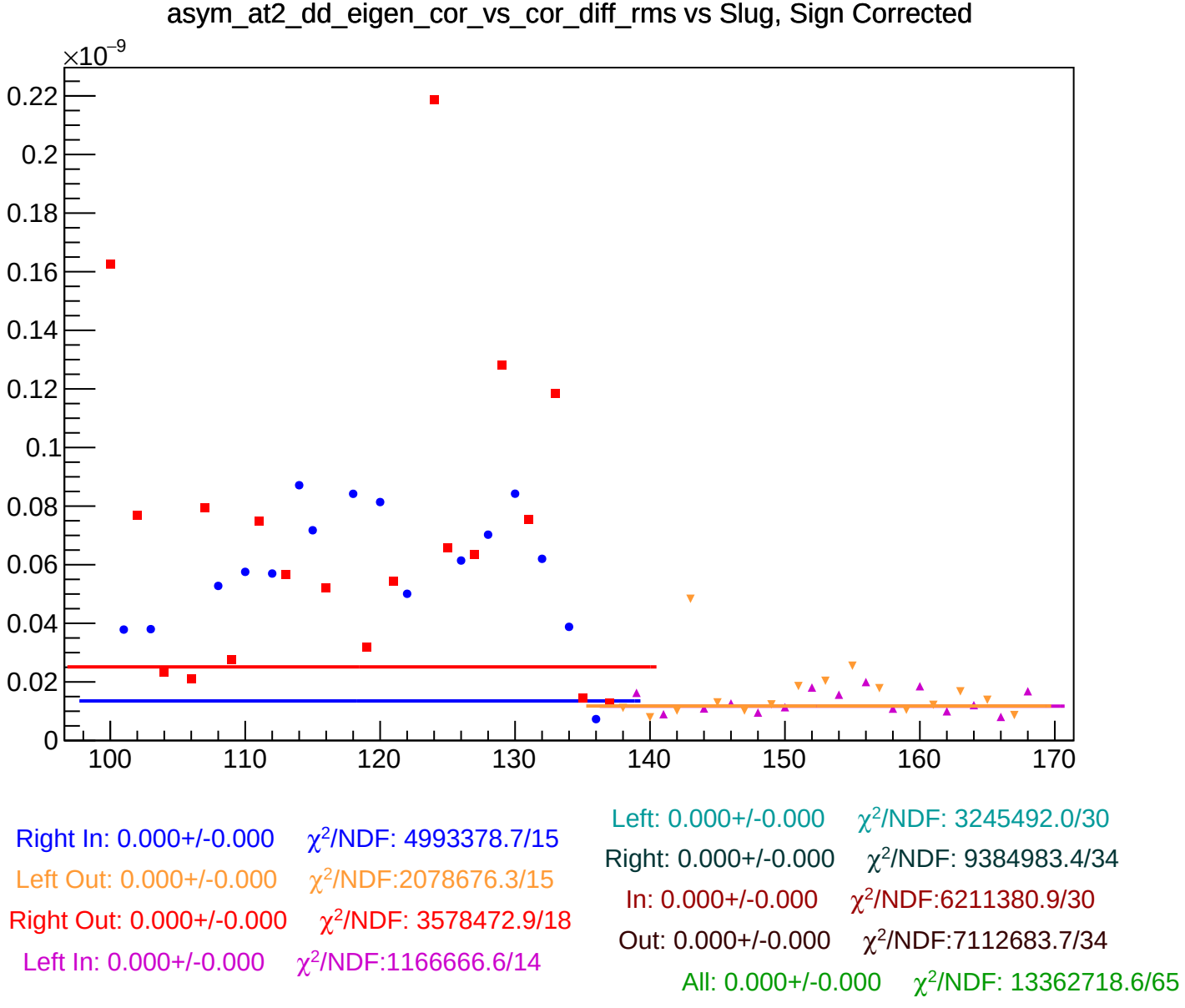
Left: -0.000+/-0.000 χ^2/NDF: 19.5/30

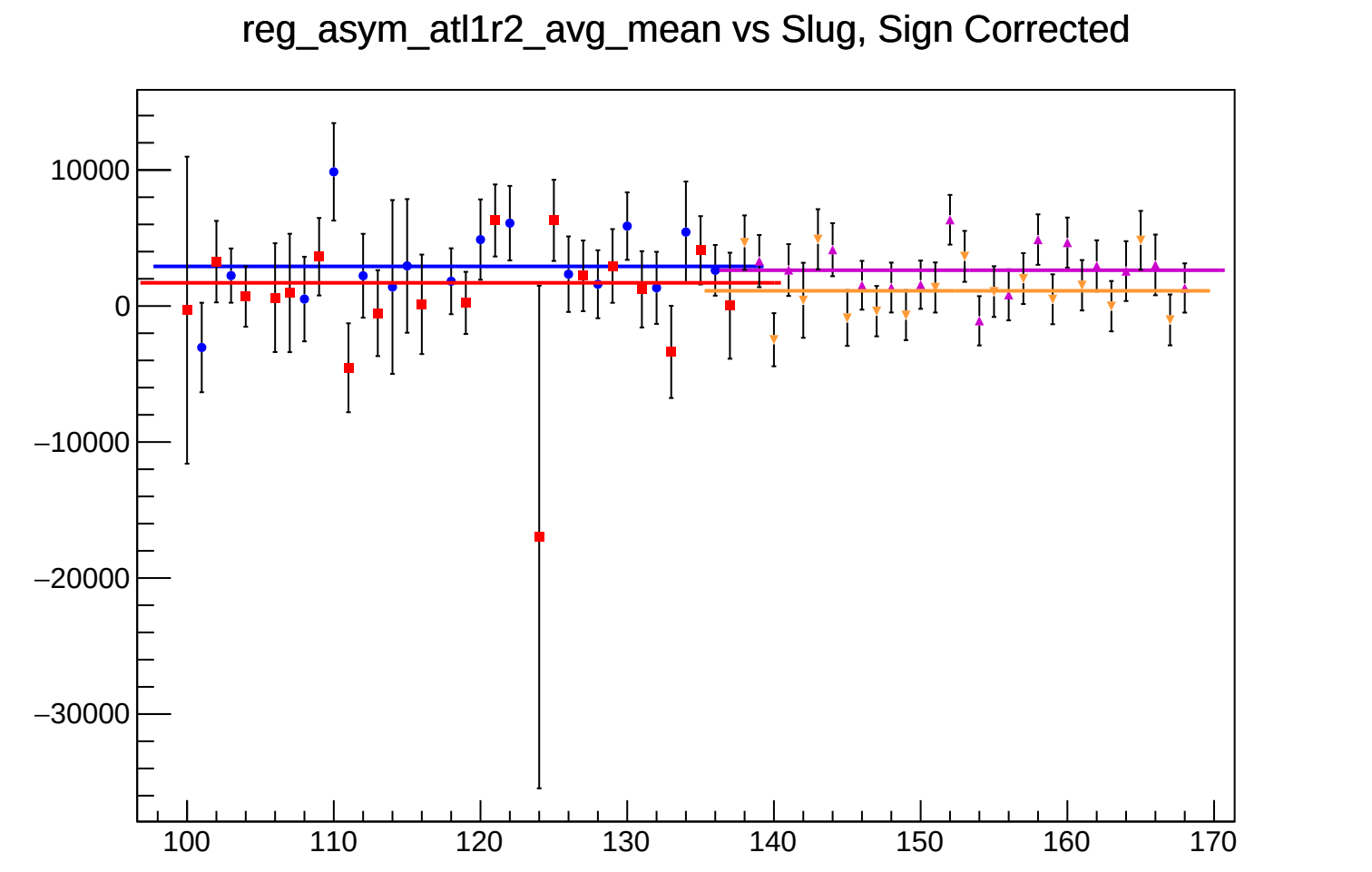
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:20.1/30

Out: -0.000+/-0.000 χ^2/NDF:35.4/34

All: -0.000+/-0.000 χ^2/NDF: 55.5/65


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2078676.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:1166666.6/14
Left: 0.000+/-0.000 χ²/NDF: 3245492.0/30
Right: 0.000+/-0.000 χ²/NDF: 9384983.4/34
In: 0.000+/-0.000 χ²/NDF:6211380.9/30
Out: 0.000+/-0.000 χ²/NDF:7112683.7/34
All: 0.000+/-0.000 χ²/NDF: 13362718.6/65



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.565+/-487.607 χ^2/NDF:18.9/15

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2631.806+/-487.572 χ^2/NDF:14.5/14

Left: 1875.239+/-344.778 χ^2/NDF: 38.2/30

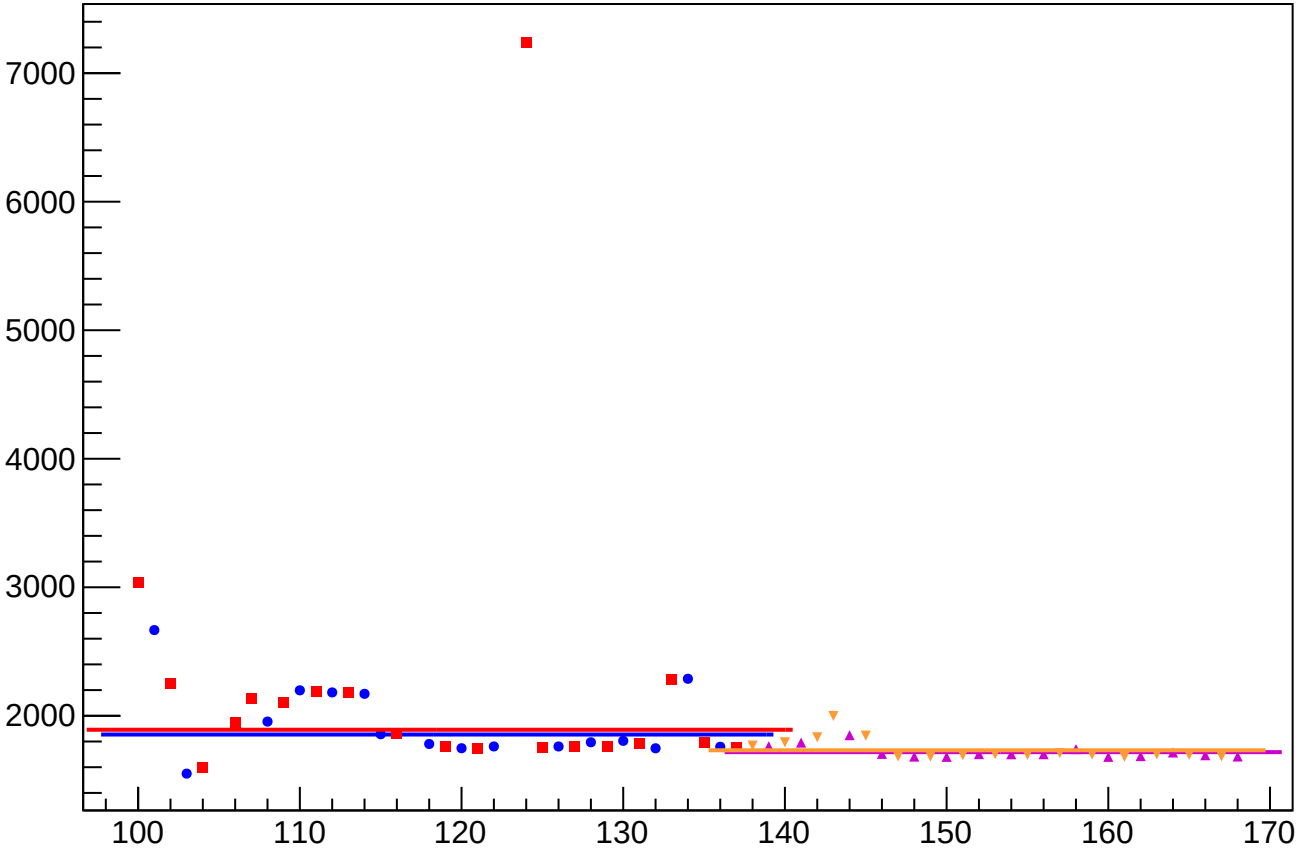
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2724.538+/-399.157 χ^2/NDF:27.0/30

Out: 1307.621+/-401.370 χ^2/NDF:35.2/34

All: 2019.997+/-283.026 χ^2/NDF: 68.5/65

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

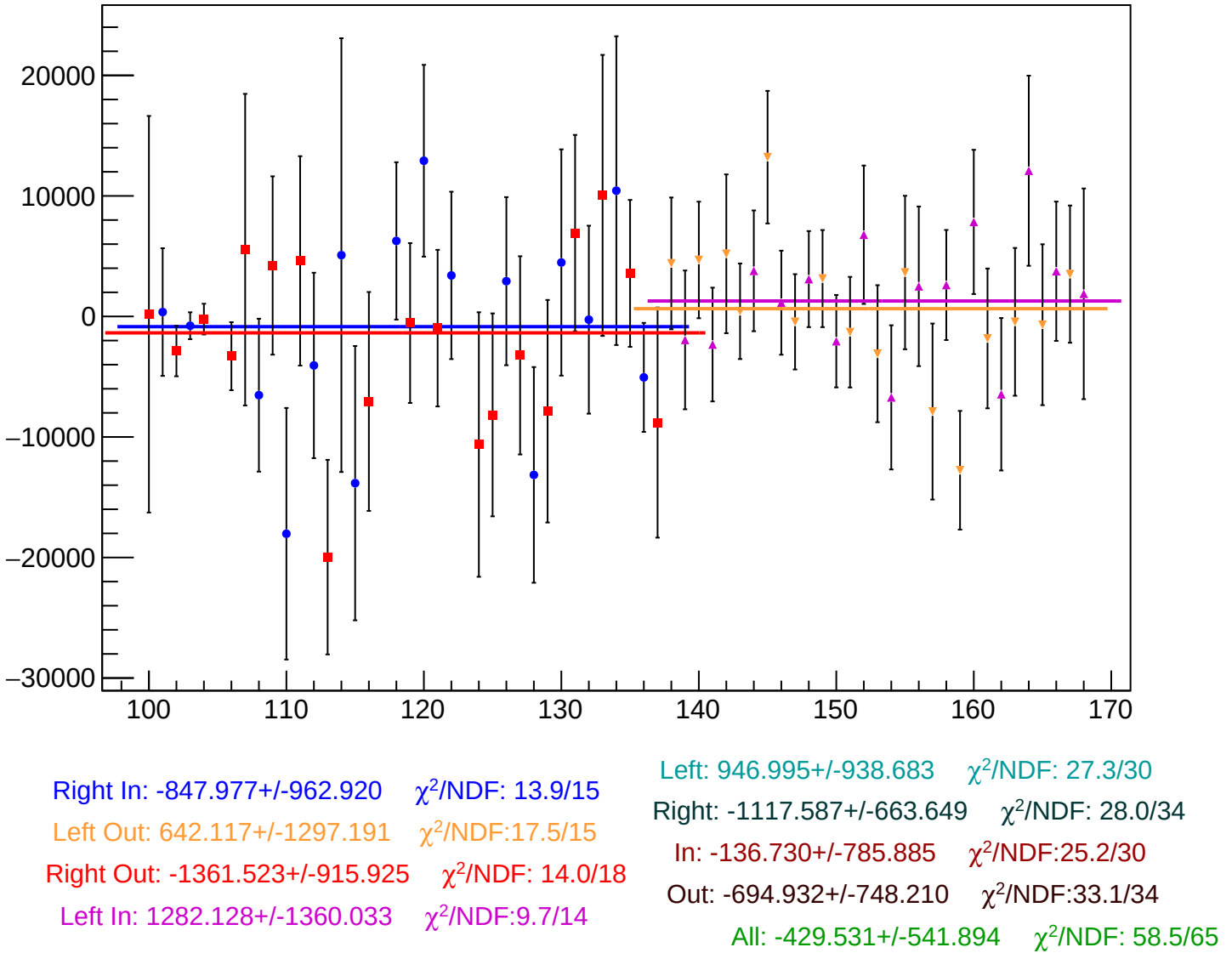
Left: 1724.456+/-0.244 χ^2/NDF: 69346.1/30

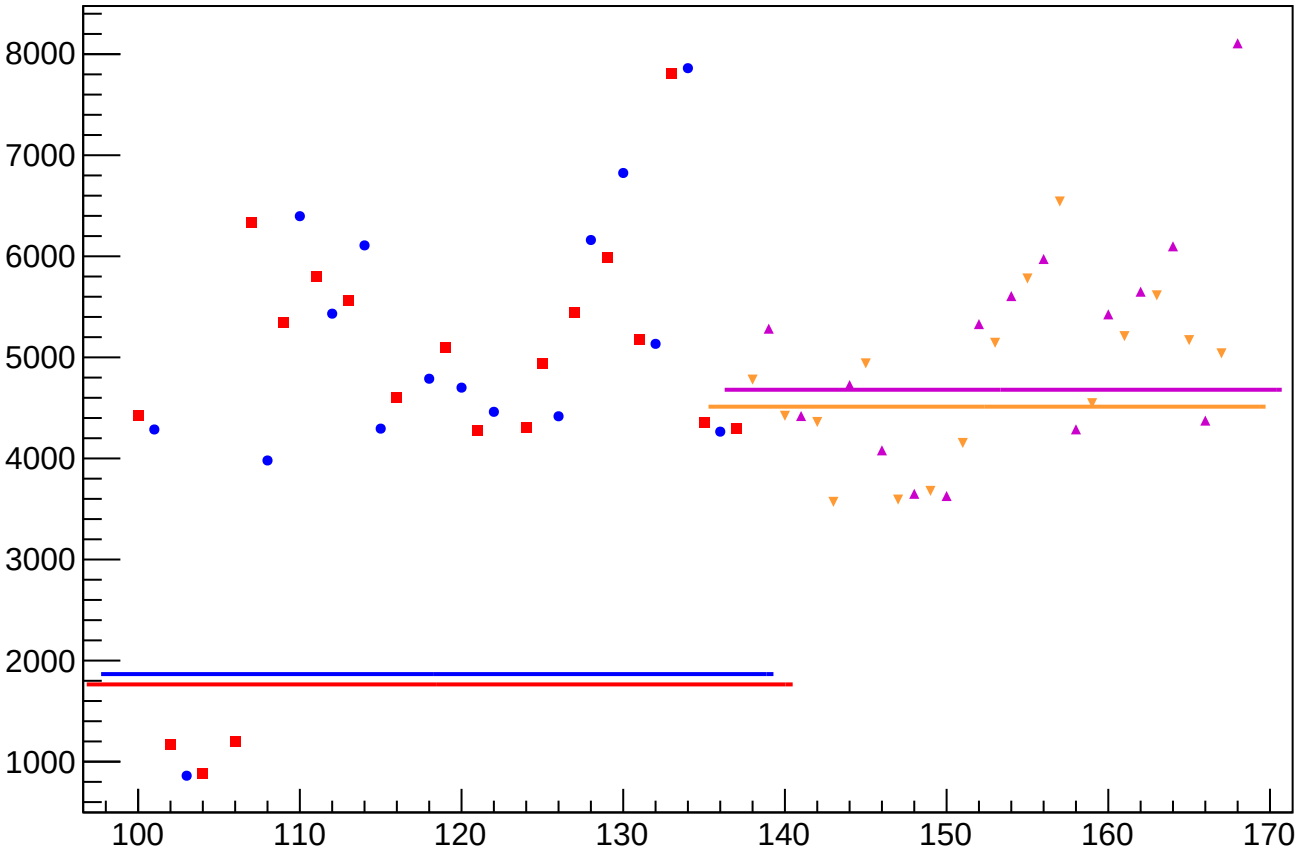
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1762.398+/-0.282 χ^2/NDF:333580.4/30

Out: 1783.407+/-0.284 χ^2/NDF:483843.8/34

All: 1772.852+/-0.200 χ^2/NDF: 820181.2/65


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 642.117+/-1297.191 χ²/NDF:17.5/15
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 1282.128+/-1360.033 χ²/NDF:9.7/14
Left: 946.995+/-938.683 χ²/NDF: 27.3/30
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -136.730+/-785.885 χ²/NDF:25.2/30
Out: -694.932+/-748.210 χ²/NDF:33.1/34
All: -429.531+/-541.894 χ²/NDF: 58.5/65



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4512.225+/-0.917 χ^2/NDF:726266.0/15

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4679.645+/-0.962 χ^2/NDF:971431.1/14

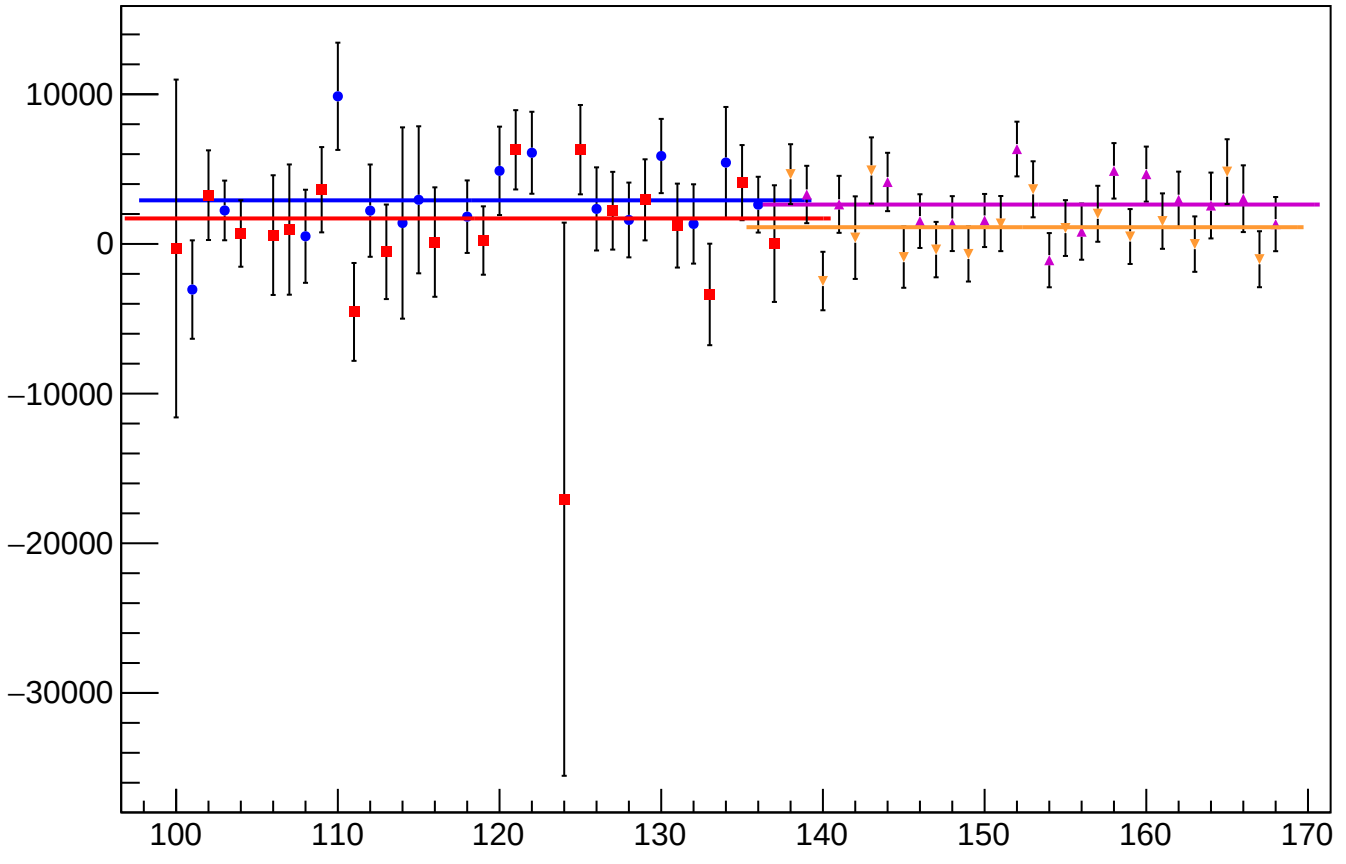
Left: 4591.978+/-0.664 χ^2/NDF: 1713567.2/30

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2805.752+/-0.556 χ^2/NDF:13521174.7/30

Out: 2678.494+/-0.529 χ^2/NDF:13150224.8/34

All: 2739.000+/-0.383 χ^2/NDF: 26698908.1/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1118.423+/-487.607 χ^2/NDF:18.9/15

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2631.835+/-487.572 χ^2/NDF:14.5/14

Left: 1875.182+/-344.778 χ^2/NDF: 38.2/30

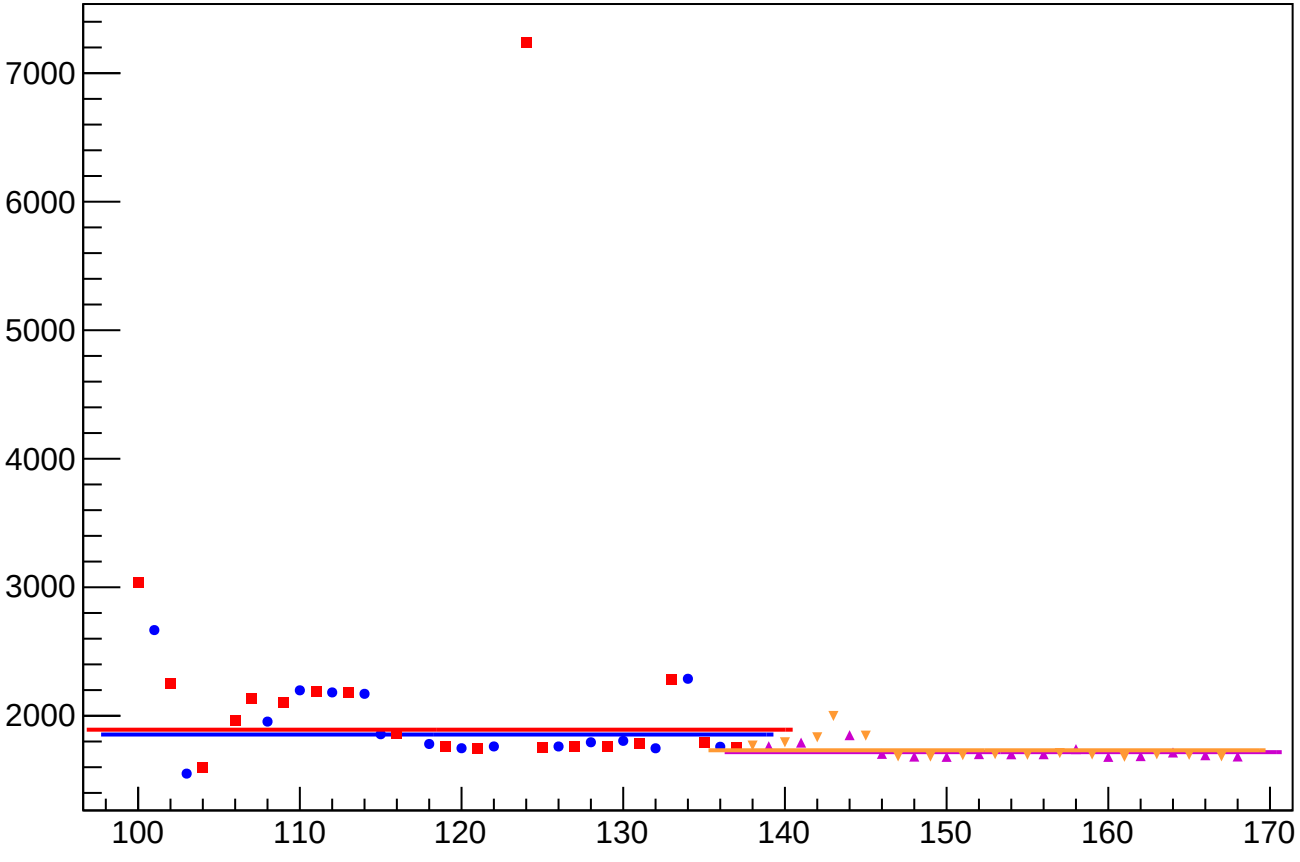
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2724.591+/-399.157 χ^2/NDF:27.0/30

Out: 1307.079+/-401.371 χ^2/NDF:35.2/34

All: 2019.754+/-283.026 χ^2/NDF: 68.5/65

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

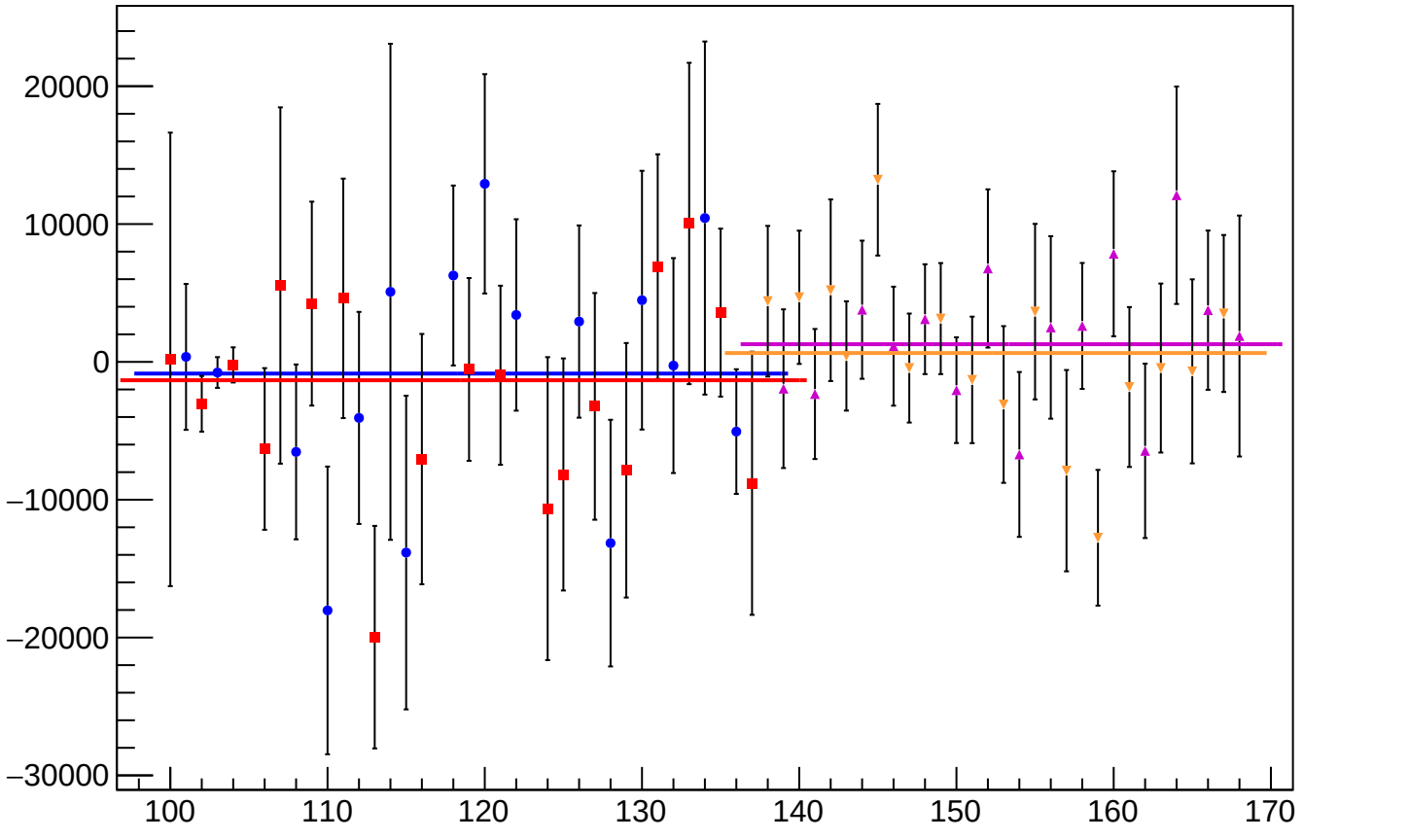
Left: 1724.456+/-0.244 χ^2/NDF: 69346.1/30

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1762.398+/-0.282 χ^2/NDF:333580.3/30

Out: 1783.539+/-0.284 χ^2/NDF:484462.8/34

All: 1772.918+/-0.200 χ^2/NDF: 820834.8/65



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1282.239+/-1360.033 χ^2/NDF:9.7/14

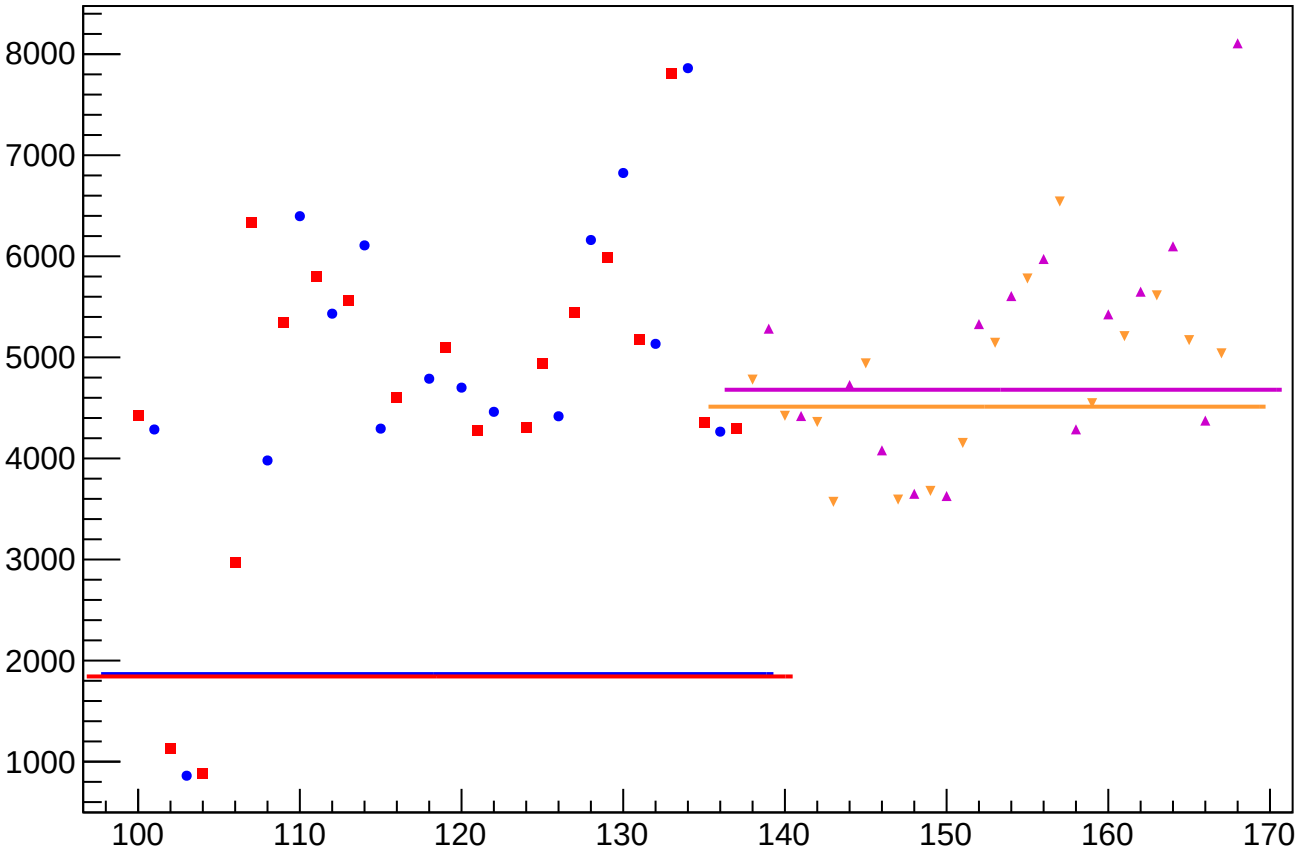
Left: 947.039+/-938.682 χ^2/NDF: 27.3/30

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -136.430+/-785.856 χ^2/NDF:25.2/30

Out: -644.162+/-765.477 χ^2/NDF:33.4/34

All: -396.965+/-548.337 χ^2/NDF: 58.8/65



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF:726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4679.644+/-0.962 χ^2/NDF:971445.7/14

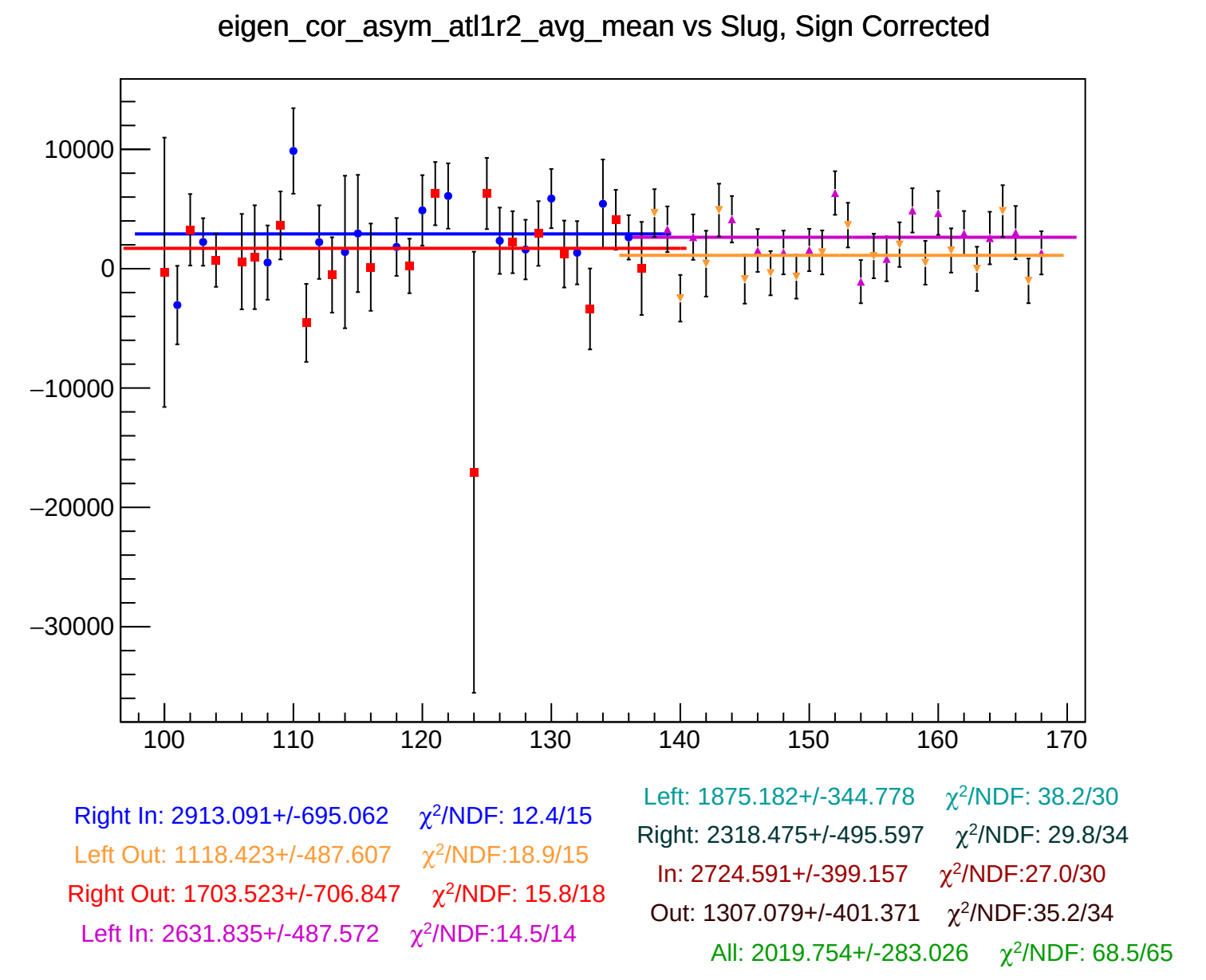
Left: 4591.973+/-0.664 χ^2/NDF: 1713593.4/30

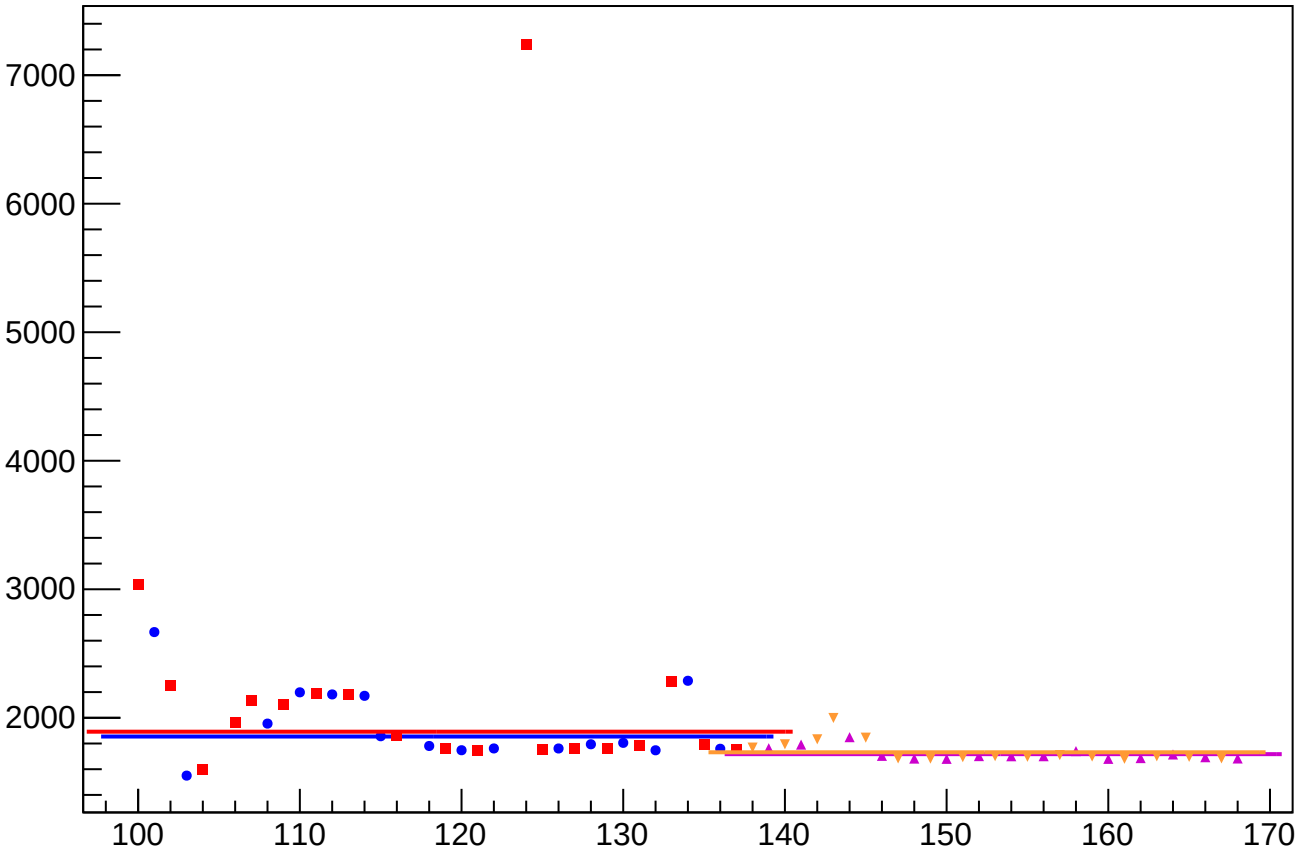
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2805.580+/-0.556 χ^2/NDF:13522439.2/30

Out: 2772.407+/-0.541 χ^2/NDF:12704597.9/34

All: 2788.558+/-0.388 χ^2/NDF: 26228865.8/6


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1118.423+/-487.607 χ²/NDF:18.9/15
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2631.835+/-487.572 χ²/NDF:14.5/14
Left: 1875.182+/-344.778 χ²/NDF: 38.2/30
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2724.591+/-399.157 χ²/NDF:27.0/30
Out: 1307.079+/-401.371 χ²/NDF:35.2/34
All: 2019.754+/-283.026 χ²/NDF: 68.5/65



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1731.744+/-0.345 χ^2/NDF:50380.3/15

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1717.169+/-0.345 χ^2/NDF:18072.2/14

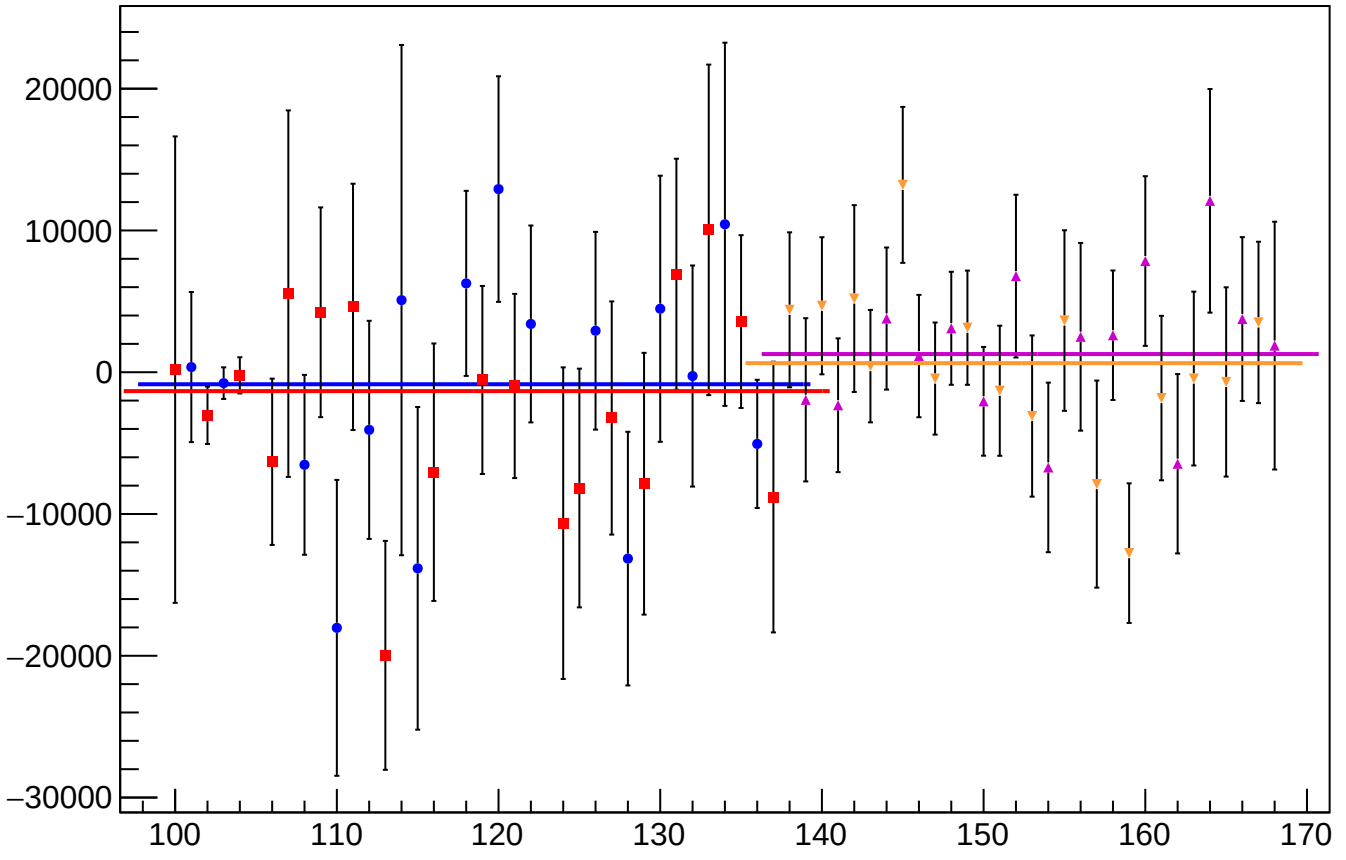
Left: 1724.456+/-0.244 χ^2/NDF: 69346.1/30

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1762.398+/-0.282 χ^2/NDF:333580.3/30

Out: 1783.539+/-0.284 χ^2/NDF:484462.8/34

All: 1772.918+/-0.200 χ^2/NDF: 820834.8/65



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 642.101+/-1297.189 χ^2/NDF:17.5/15

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1282.239+/-1360.033 χ^2/NDF:9.7/14

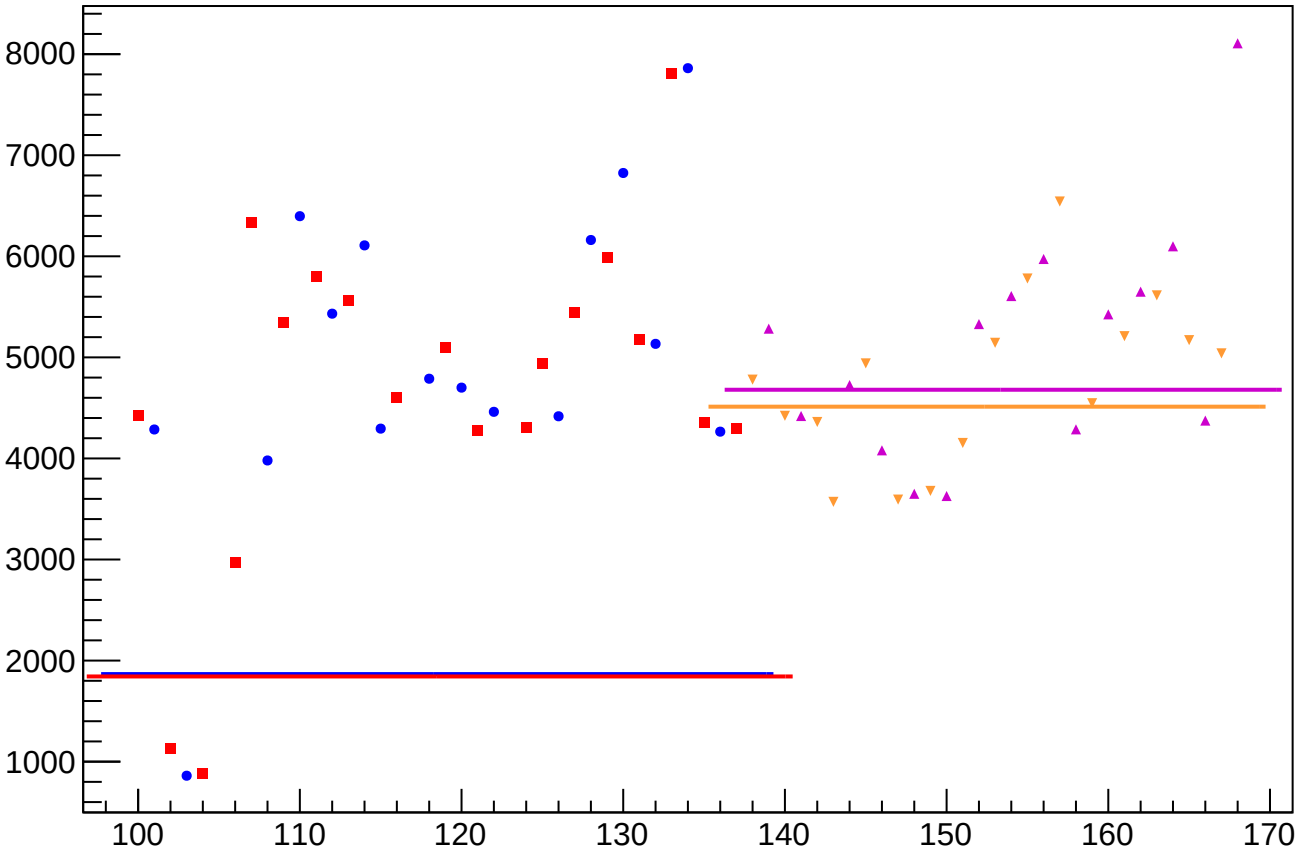
Left: 947.039+/-938.682 χ^2/NDF: 27.3/30

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -136.430+/-785.856 χ^2/NDF:25.2/30

Out: -644.162+/-765.477 χ^2/NDF:33.4/34

All: -396.965+/-548.337 χ^2/NDF: 58.8/65



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4512.218+/-0.917 χ^2/NDF:726276.7/15

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4679.644+/-0.962 χ^2/NDF:971445.7/14

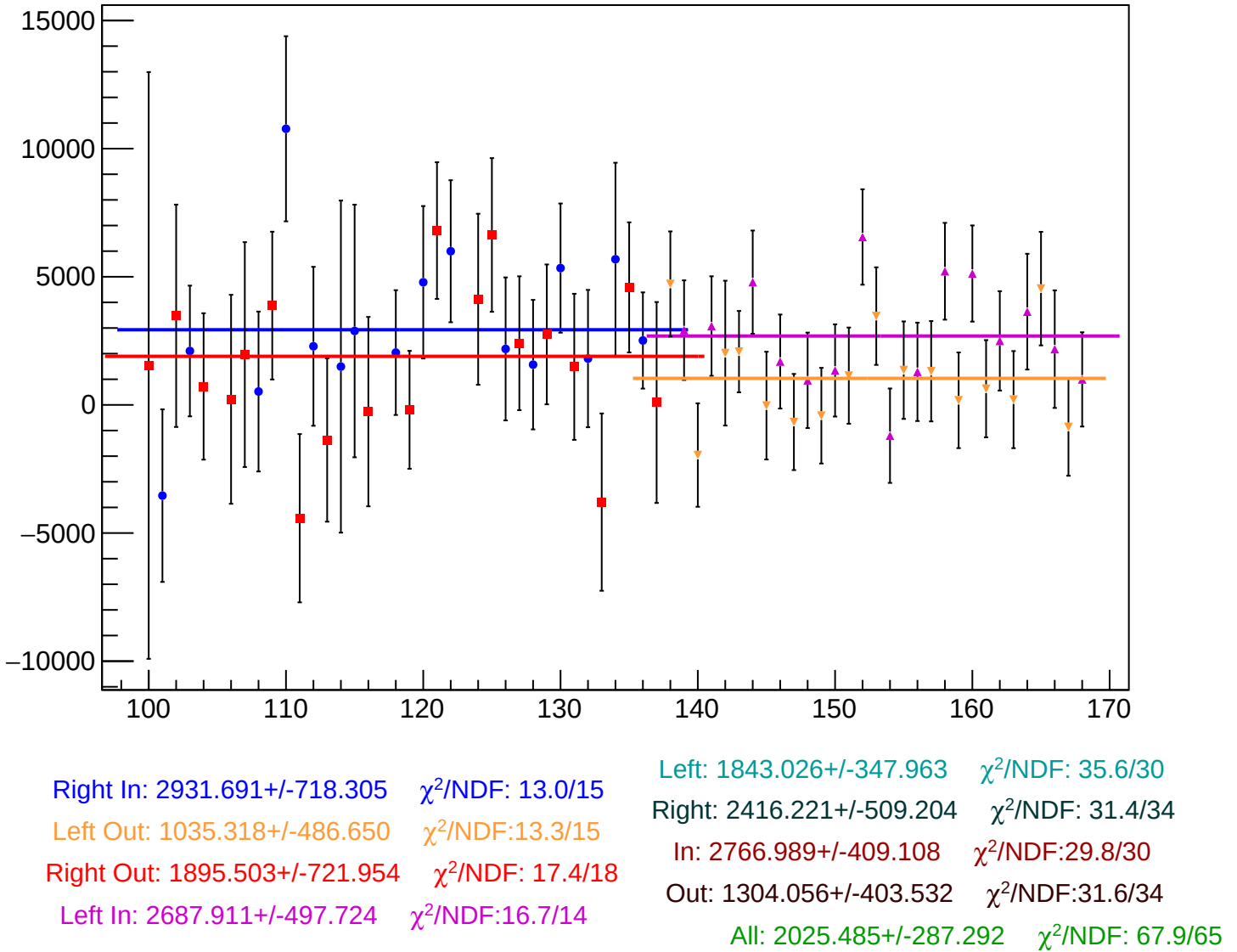
Left: 4591.973+/-0.664 χ^2/NDF: 1713593.4/30

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

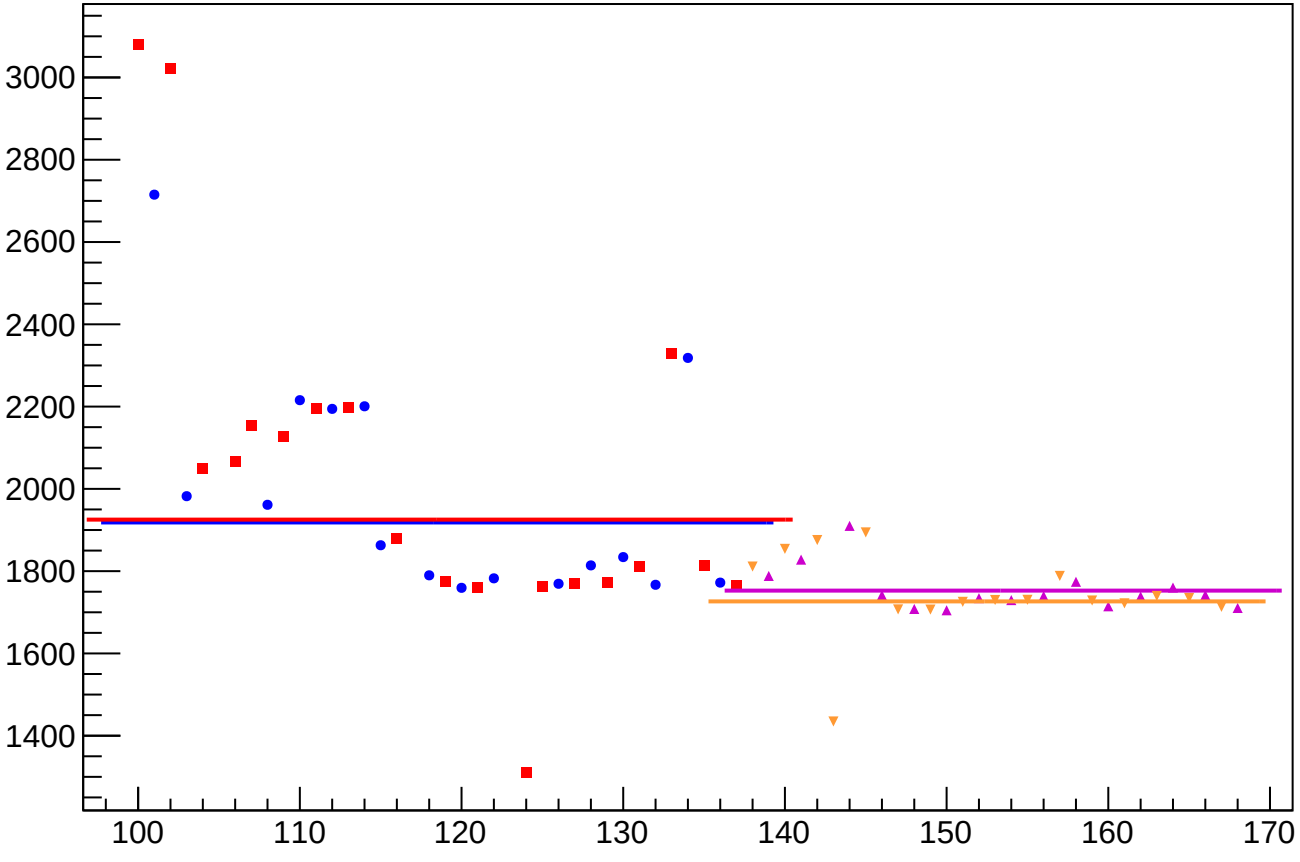
In: 2805.580+/-0.556 χ^2/NDF:13522439.2/30

Out: 2772.407+/-0.541 χ^2/NDF:12704597.9/34

All: 2788.558+/-0.388 χ^2/NDF: 26228865.8/6


dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 2931.691+/-718.305 χ²/NDF: 13.0/15
Left Out: 1035.318+/-486.650 χ²/NDF:13.3/15
Right Out: 1895.503+/-721.954 χ²/NDF: 17.4/18
Left In: 2687.911+/-497.724 χ²/NDF:16.7/14
Left: 1843.026+/-347.963 χ²/NDF: 35.6/30
Right: 2416.221+/-509.204 χ²/NDF: 31.4/34
In: 2766.989+/-409.108 χ²/NDF:29.8/30
Out: 1304.056+/-403.532 χ²/NDF:31.6/34
All: 2025.485+/-287.292 χ²/NDF: 67.9/65

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.487+/-0.344 χ^2/NDF:99974.6/15

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1752.703+/-0.352 χ^2/NDF:21439.9/14

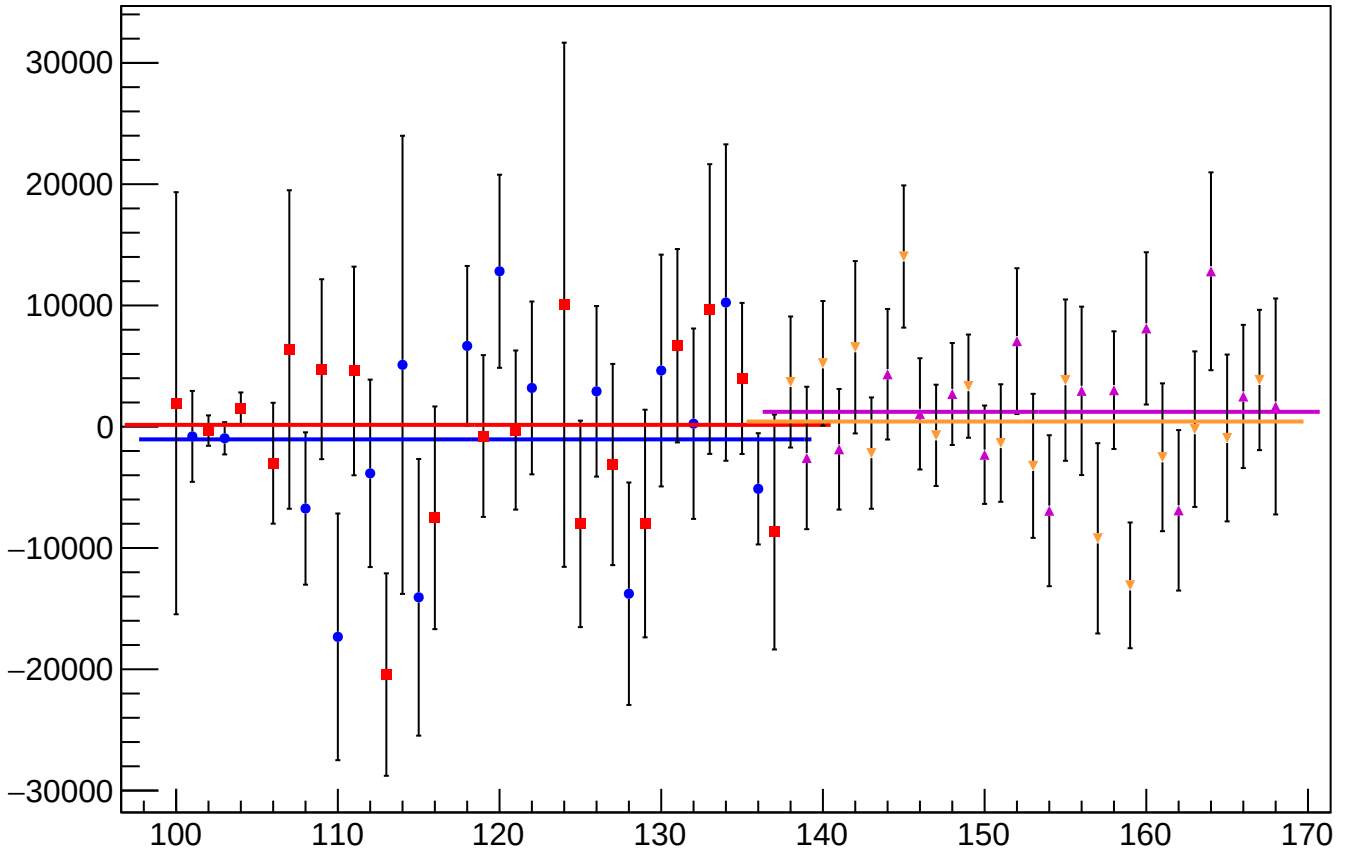
Left: 1739.300+/-0.246 χ^2/NDF: 124251.4/30

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1806.442+/-0.289 χ^2/NDF:308906.0/30

Out: 1788.657+/-0.285 χ^2/NDF:543431.4/34

All: 1797.425+/-0.203 χ^2/NDF: 854253.6/65



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 430.679+/-1373.288 χ^2/NDF:17.9/15

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 1228.819+/-1428.571 χ^2/NDF:9.7/14

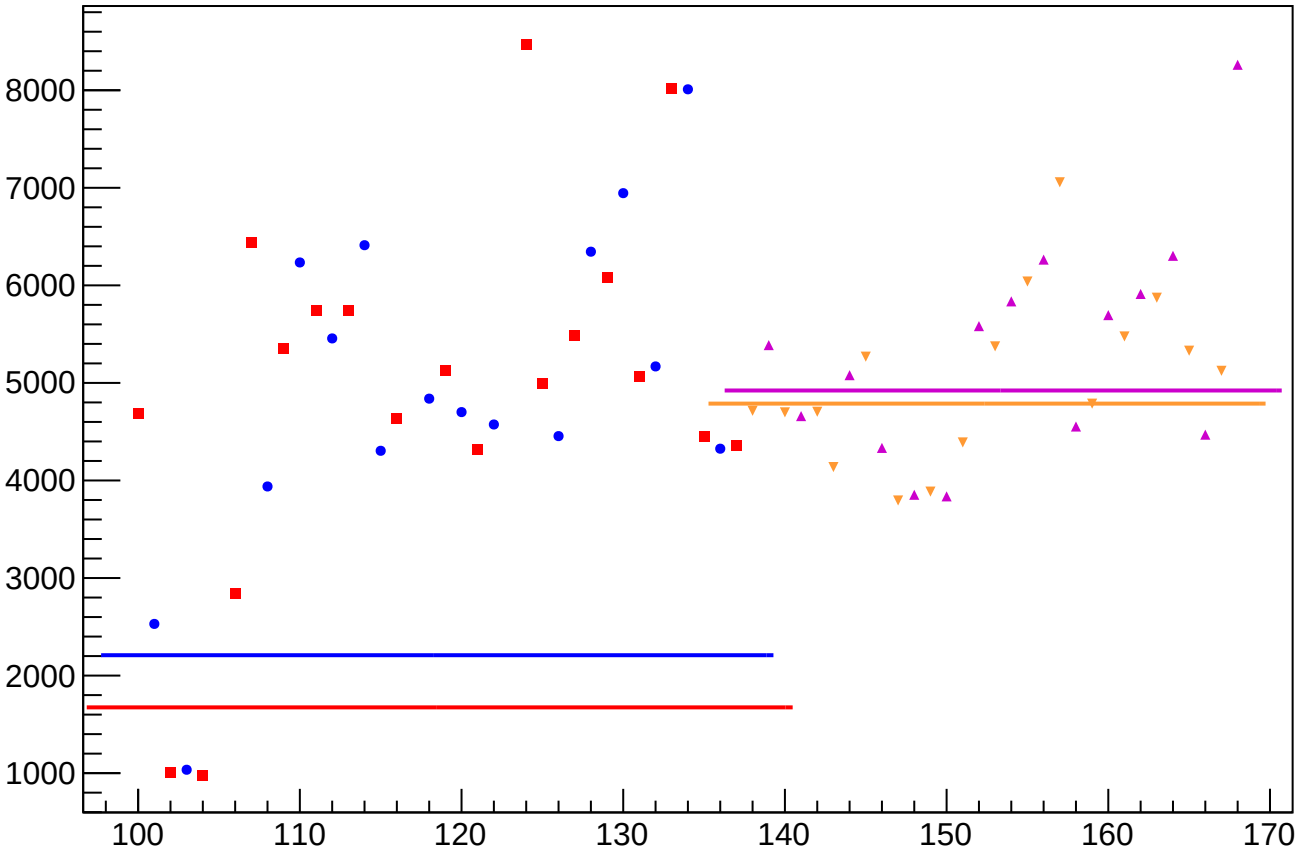
Left: 814.007+/-990.028 χ^2/NDF: 27.7/30

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -223.491+/-857.643 χ^2/NDF:25.1/30

Out: 228.487+/-713.876 χ^2/NDF:31.7/34

All: 43.503+/-548.674 χ^2/NDF: 57.0/65



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4787.918+/-0.971 χ^2/NDF:630794.3/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4922.394+/-1.010 χ^2/NDF:903658.0/14

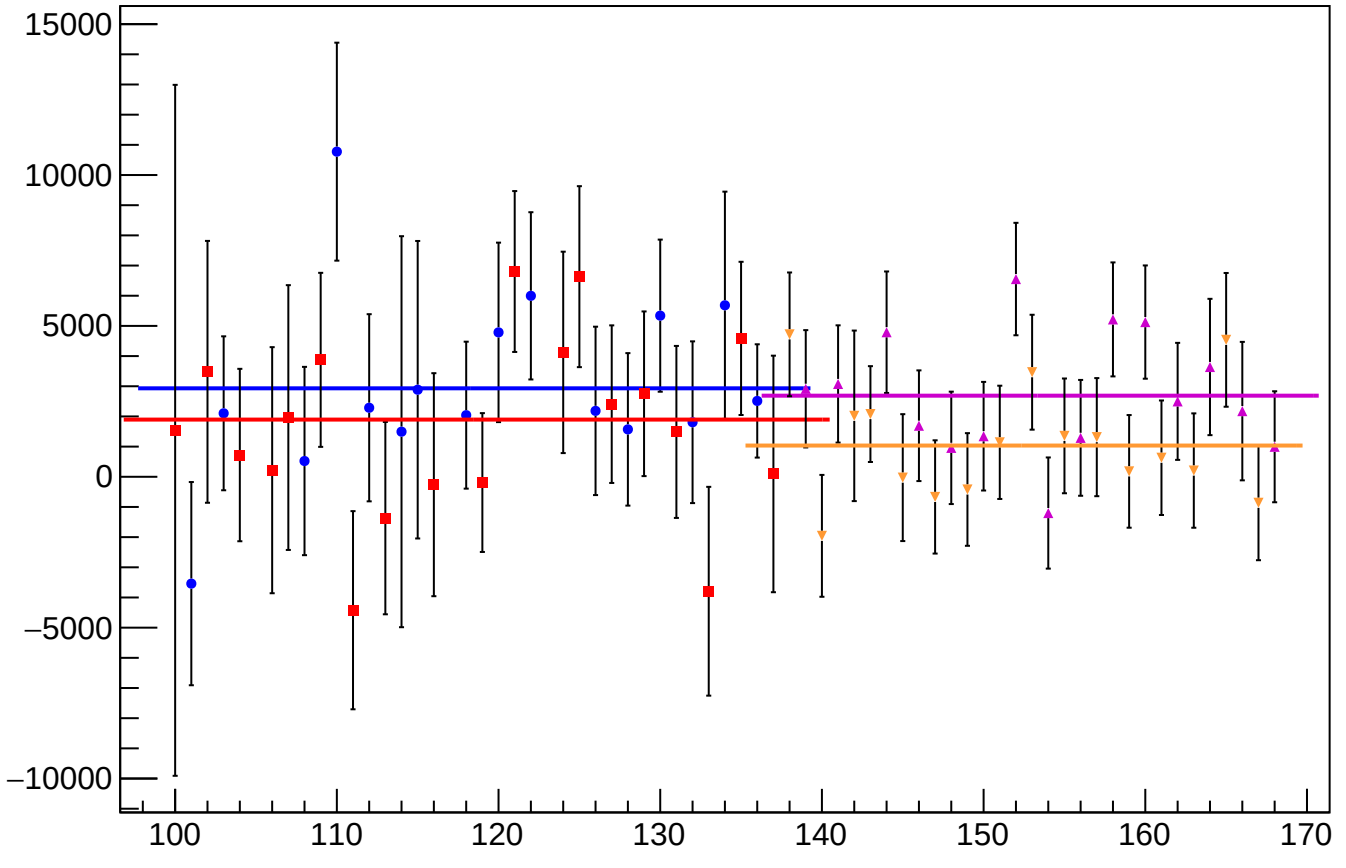
Left: 4852.503+/-0.700 χ^2/NDF: 1543662.9/30

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3186.907+/-0.606 χ^2/NDF:11017703.0/30

Out: 2515.569+/-0.505 χ^2/NDF:14987543.9/34

All: 2790.331+/-0.388 χ^2/NDF: 26729155.2/6



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1035.309+/-486.650 χ^2/NDF:13.3/15

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2687.914+/-497.724 χ^2/NDF:16.7/14

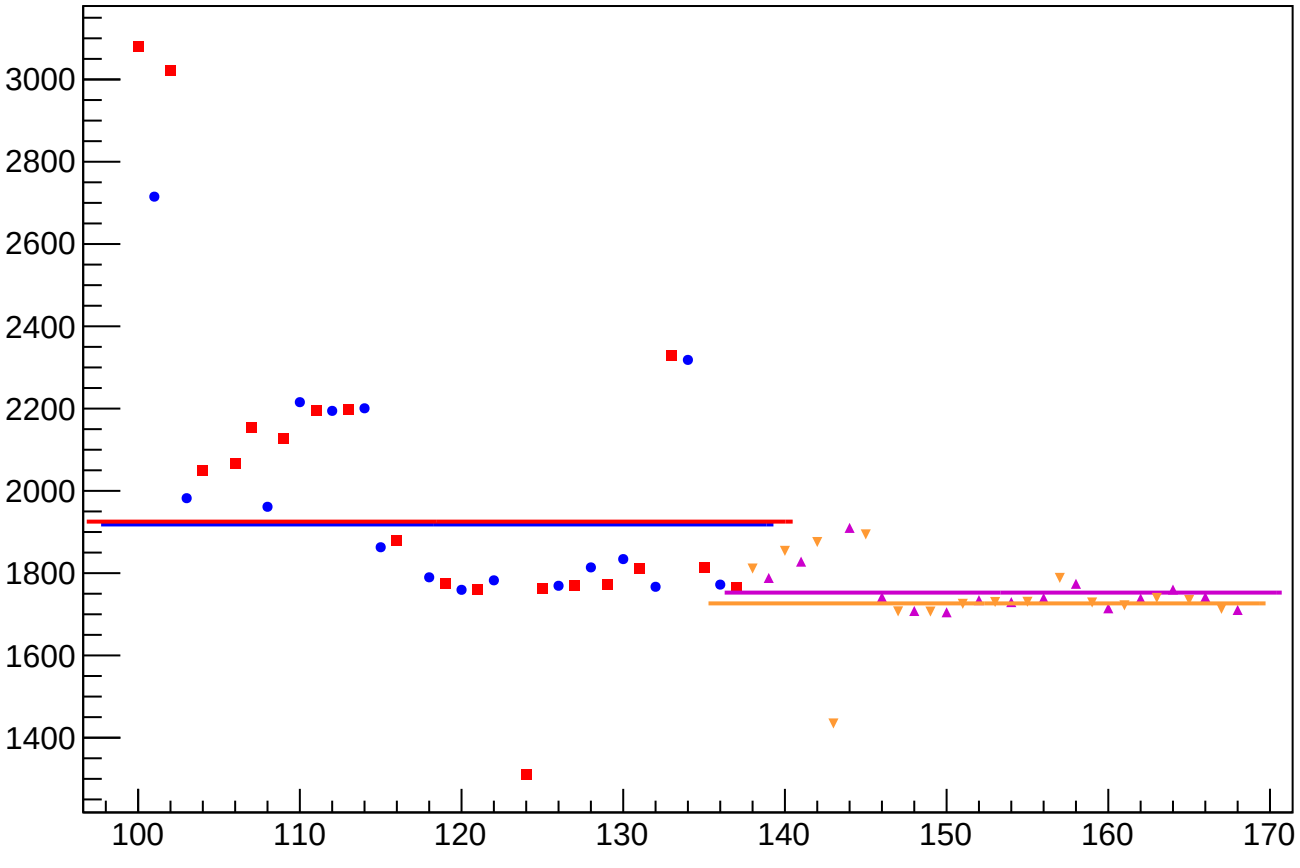
Left: 1843.023+/-347.963 χ^2/NDF: 35.6/30

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2766.992+/-409.108 χ^2/NDF:29.8/30

Out: 1304.052+/-403.533 χ^2/NDF:31.6/34

All: 2025.485+/-287.292 χ^2/NDF: 67.9/65



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.488+/-0.344 χ^2/NDF:99973.7/15

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1752.704+/-0.352 χ^2/NDF:21439.8/14

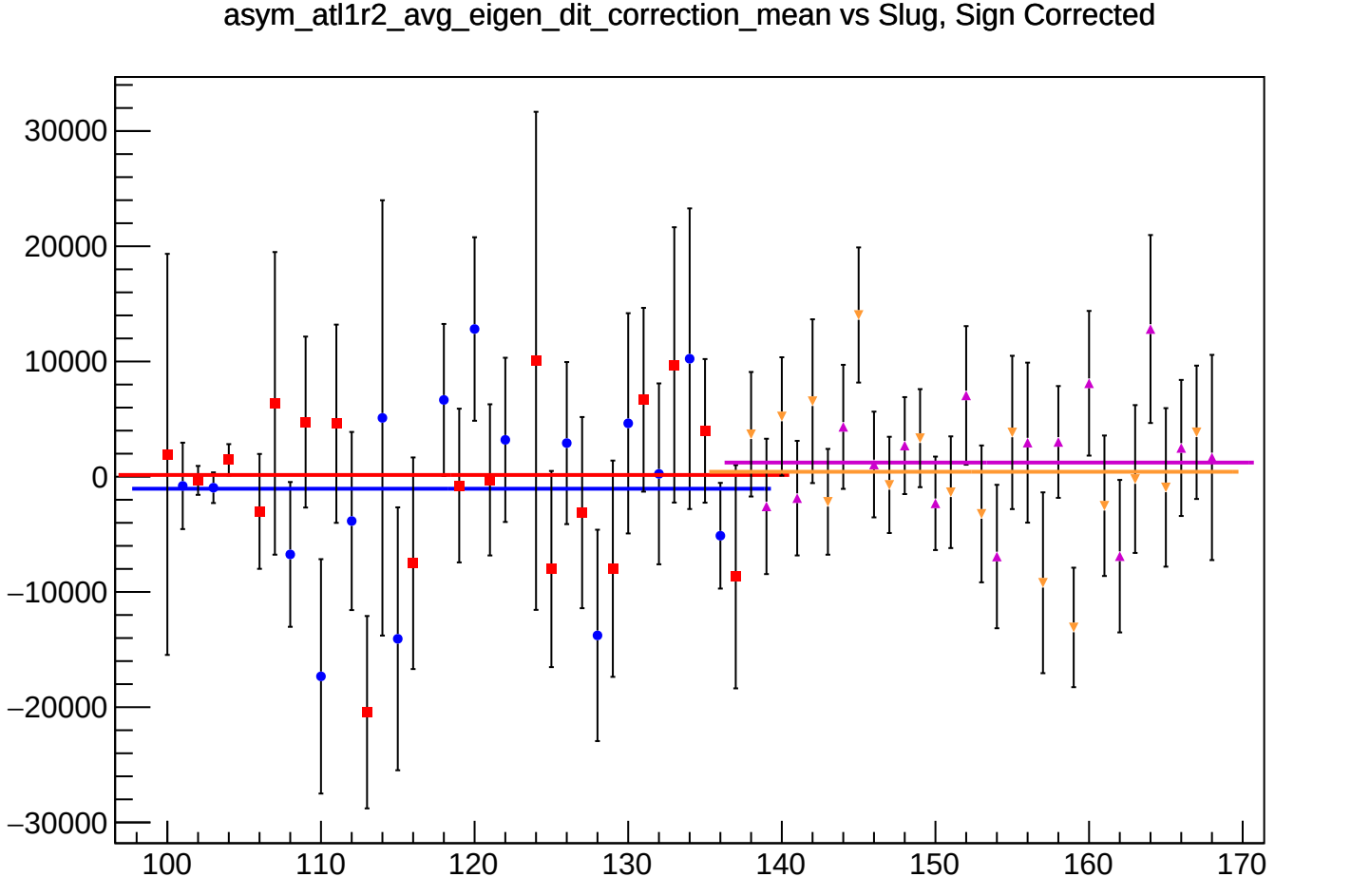
Left: 1739.301+/-0.246 χ^2/NDF: 124250.4/30

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1806.443+/-0.289 χ^2/NDF:308904.4/30

Out: 1788.658+/-0.285 χ^2/NDF:543427.7/34

All: 1797.426+/-0.203 χ^2/NDF: 854248.2/65



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 430.675+/-1373.291 χ^2/NDF:17.9/15

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1228.817+/-1428.573 χ^2/NDF:9.7/14

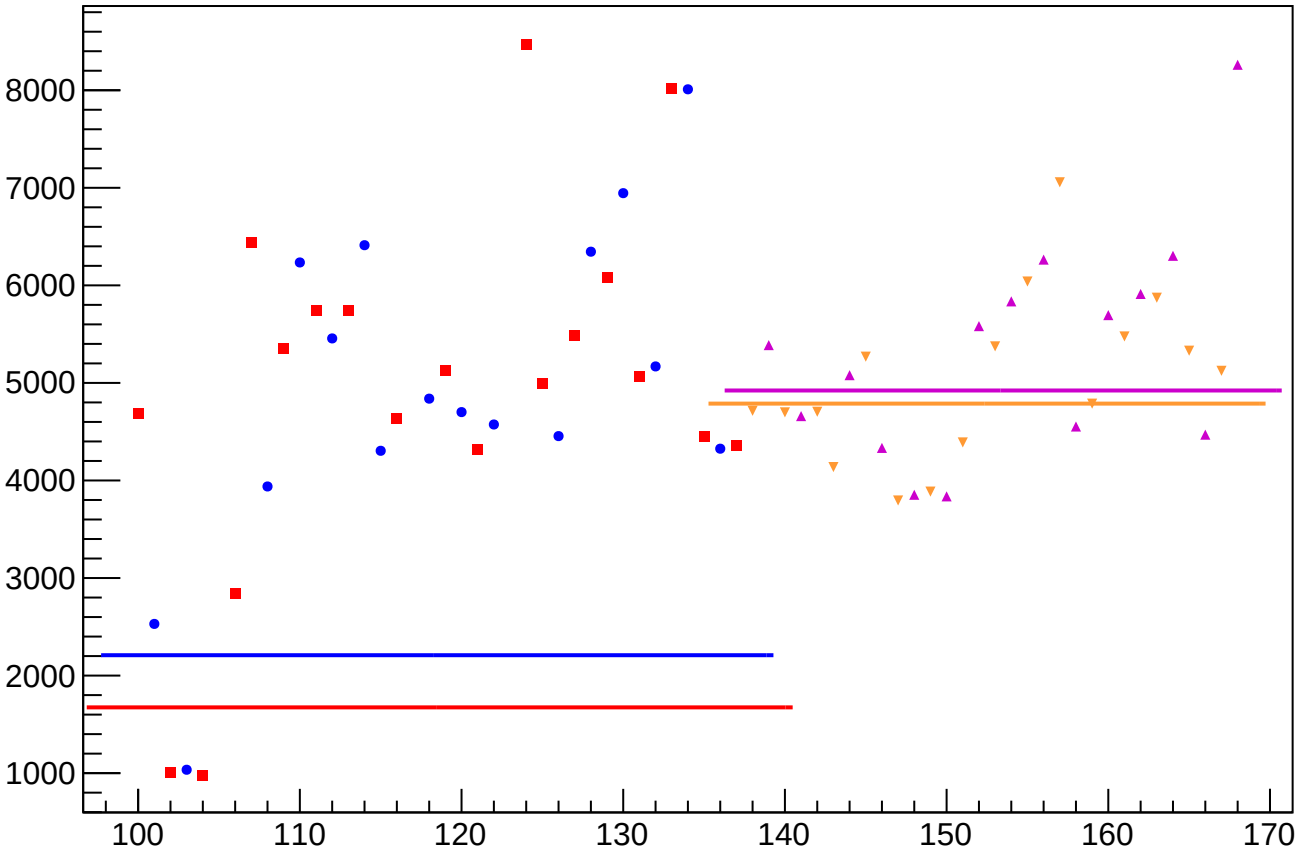
Left: 814.004+/-990.030 χ^2/NDF: 27.7/30

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -223.493+/-857.643 χ^2/NDF:25.1/30

Out: 228.482+/-713.876 χ^2/NDF:31.7/34

All: 43.499+/-548.675 χ^2/NDF: 57.0/65



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4787.926+/-0.971 χ^2/NDF:630794.6/15

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4922.402+/-1.010 χ^2/NDF:903657.7/14

Left: 4852.512+/-0.700 χ^2/NDF: 1543662.9/30

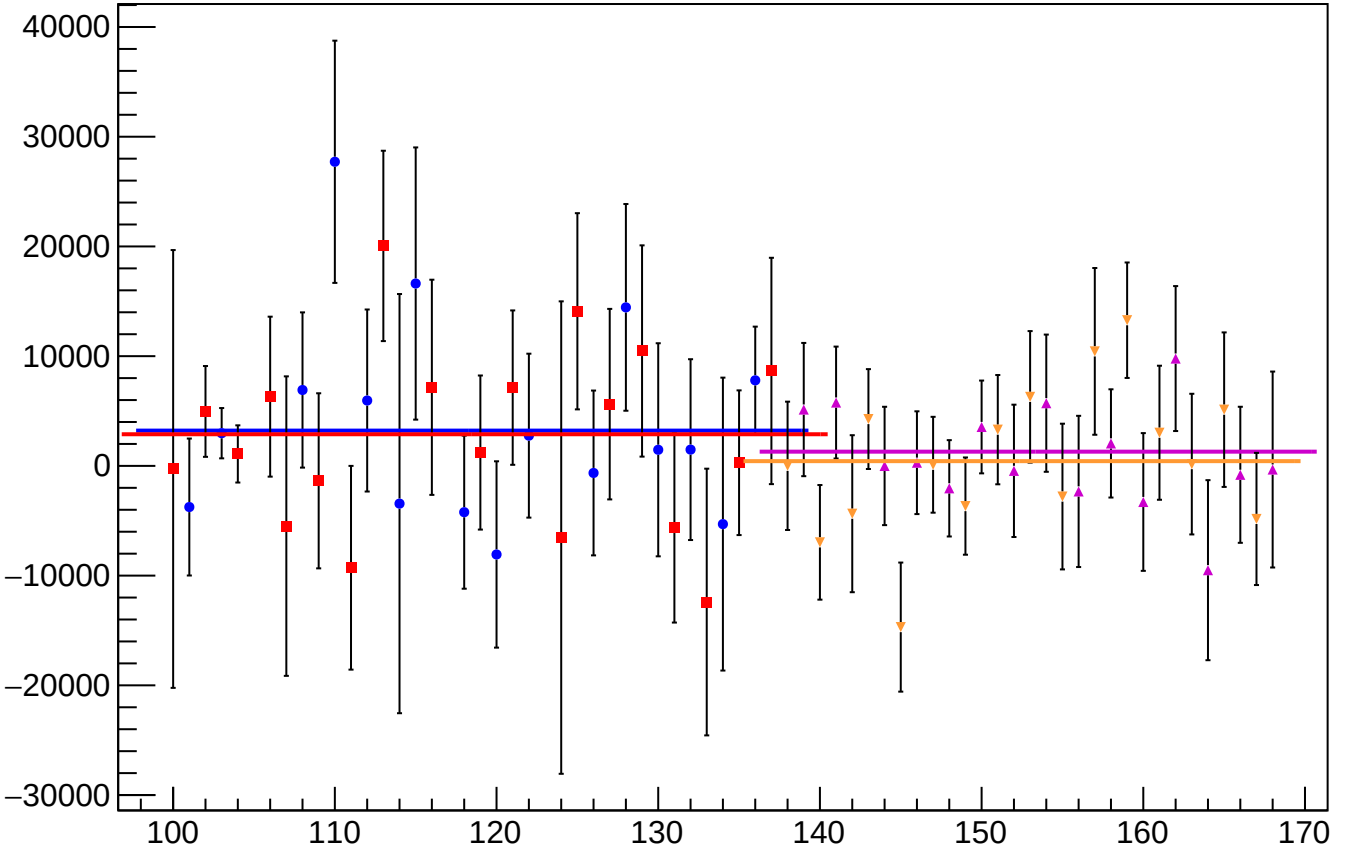
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3186.906+/-0.606 χ^2/NDF:11017718.8/30

Out: 2515.568+/-0.505 χ^2/NDF:14987561.0/34

All: 2790.331+/-0.388 χ^2/NDF: 26729188.5/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 431.980+/-1401.544 χ^2/NDF:21.2/15

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1296.612+/-1458.148 χ^2/NDF:7.1/14

Left: 847.188+/-1010.460 χ^2/NDF: 28.5/30

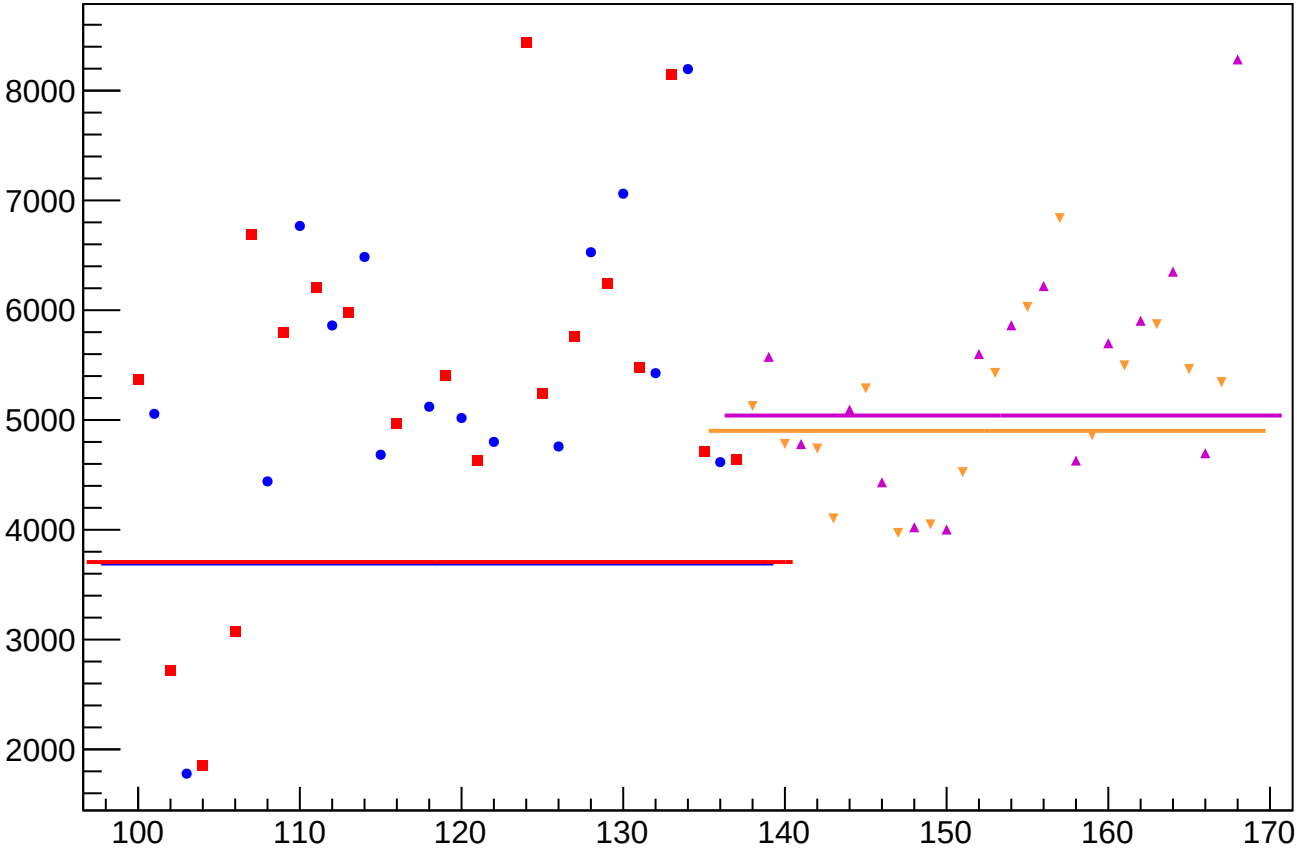
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2204.259+/-1058.581 χ^2/NDF:21.7/30

Out: 1533.047+/-1040.213 χ^2/NDF:36.0/34

All: 1862.779+/-741.950 χ^2/NDF: 57.9/65

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4901.072+/-0.991 χ^2/NDF:542987.6/15

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5040.712+/-1.031 χ^2/NDF:784113.0/14

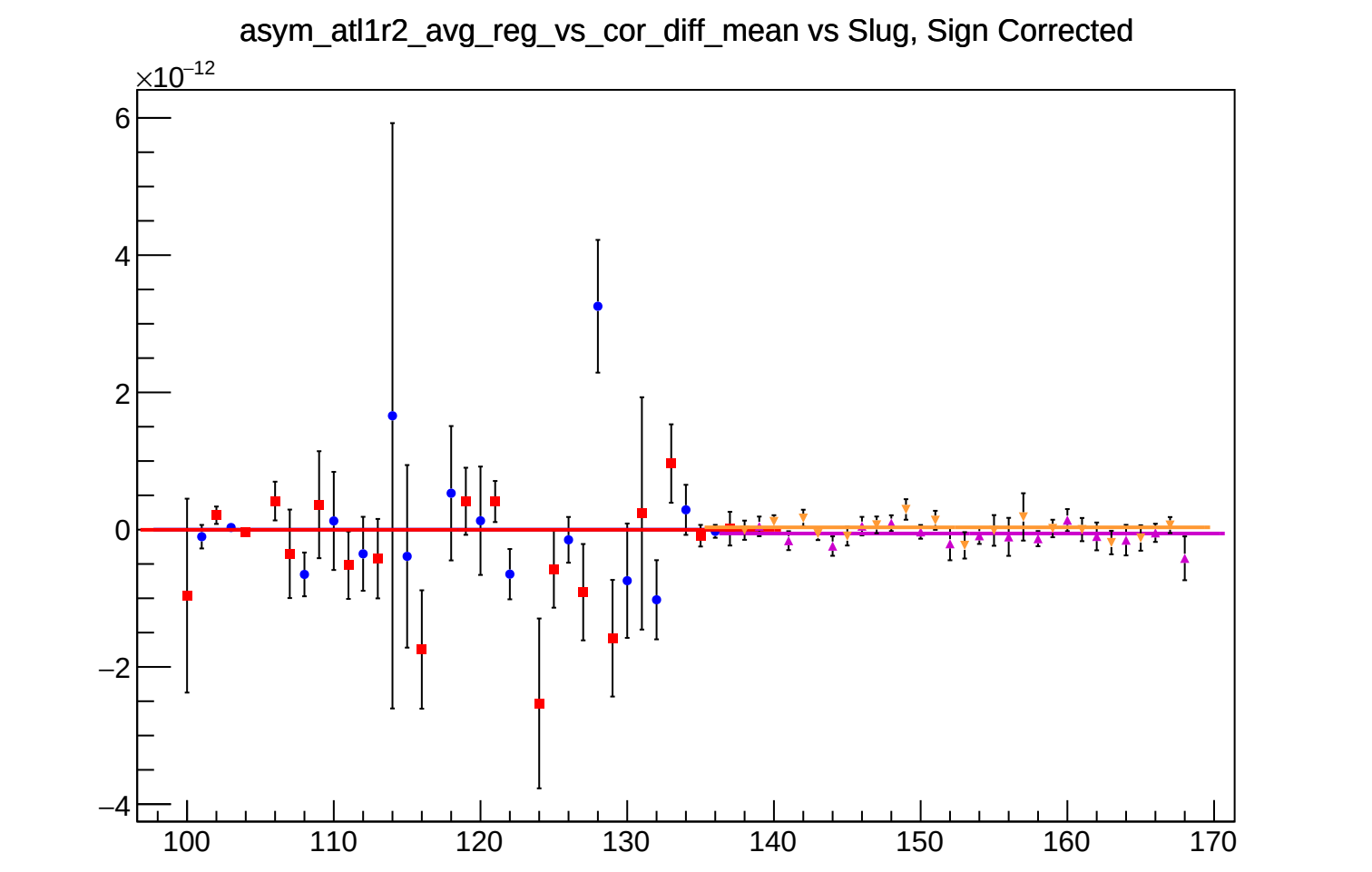
Left: 4968.129+/-0.715 χ^2/NDF: 1336634.6/30

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4403.213+/-0.749 χ^2/NDF:4478053.9/30

Out: 4358.401+/-0.732 χ^2/NDF:3887780.3/34

All: 4380.313+/-0.523 χ^2/NDF: 8367665.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/14

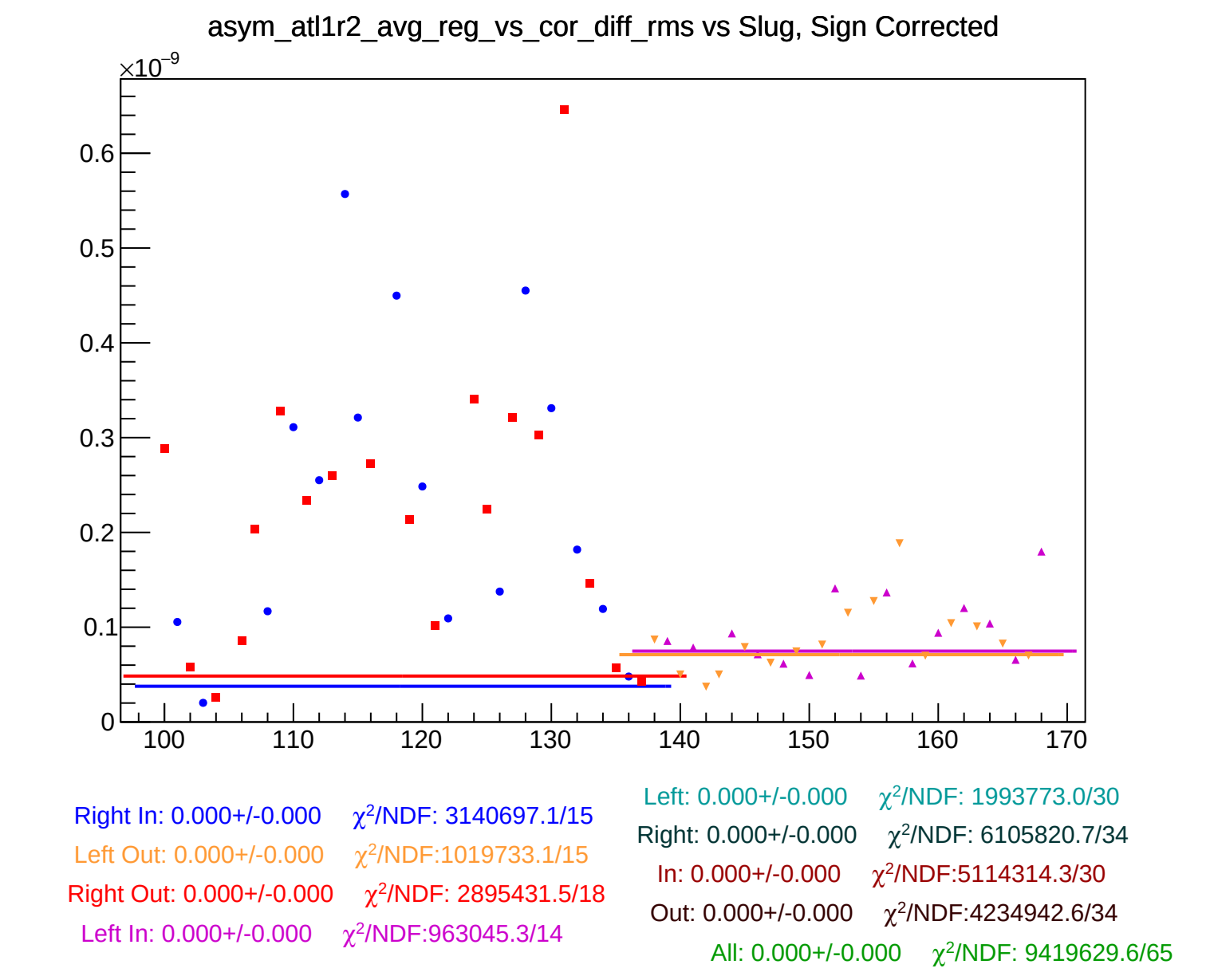
Left: -0.000+/-0.000 χ^2/NDF: 24.5/30

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

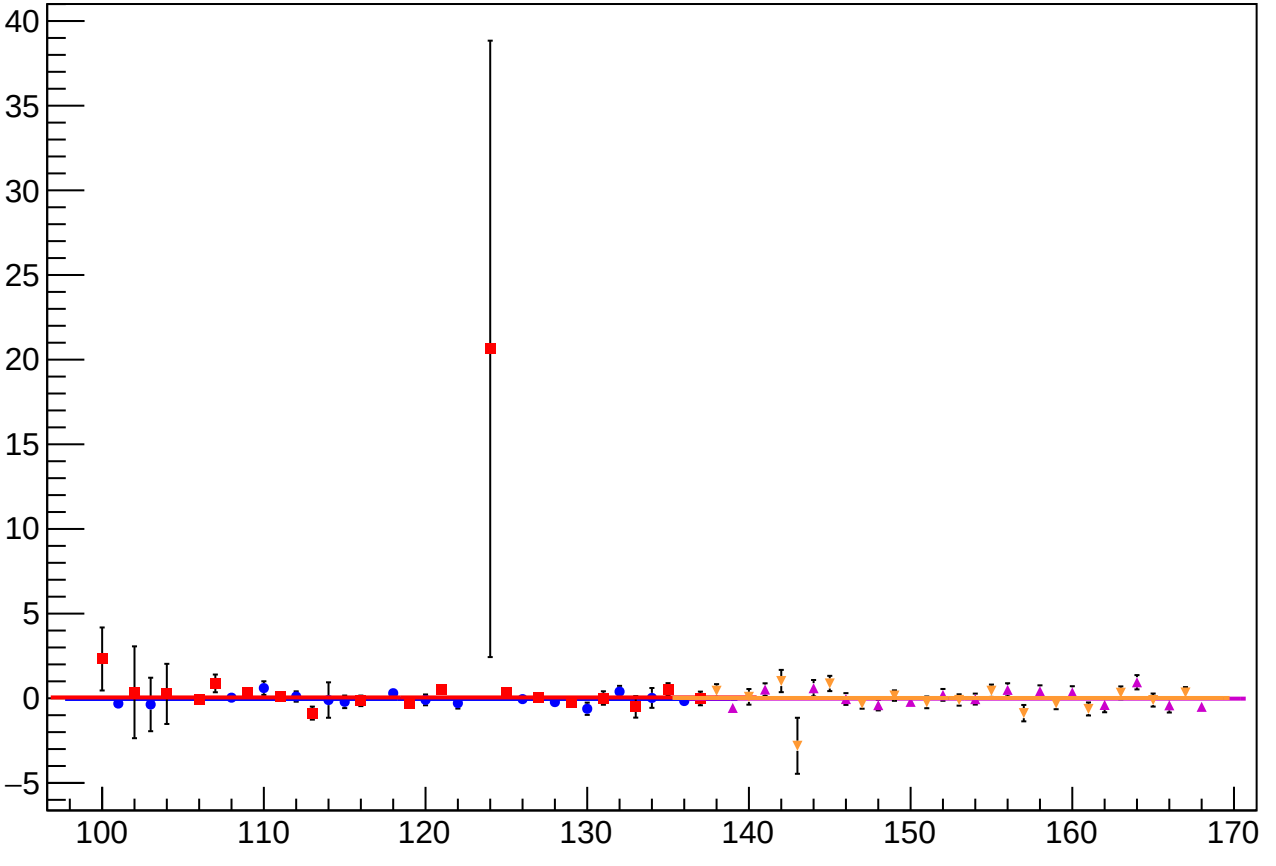
In: -0.000+/-0.000 χ^2/NDF:35.6/30

Out: 0.000+/-0.000 χ^2/NDF:40.9/34

All: -0.000+/-0.000 χ^2/NDF: 78.1/65


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1019733.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:963045.3/14
Left: 0.000+/-0.000 χ²/NDF: 1993773.0/30
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:5114314.3/30
Out: 0.000+/-0.000 χ²/NDF:4234942.6/34
All: 0.000+/-0.000 χ²/NDF: 9419629.6/65

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: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.022+/-0.090 χ^2/NDF:24.0/14

Left: -0.004+/-0.066 χ^2/NDF: 46.4/30

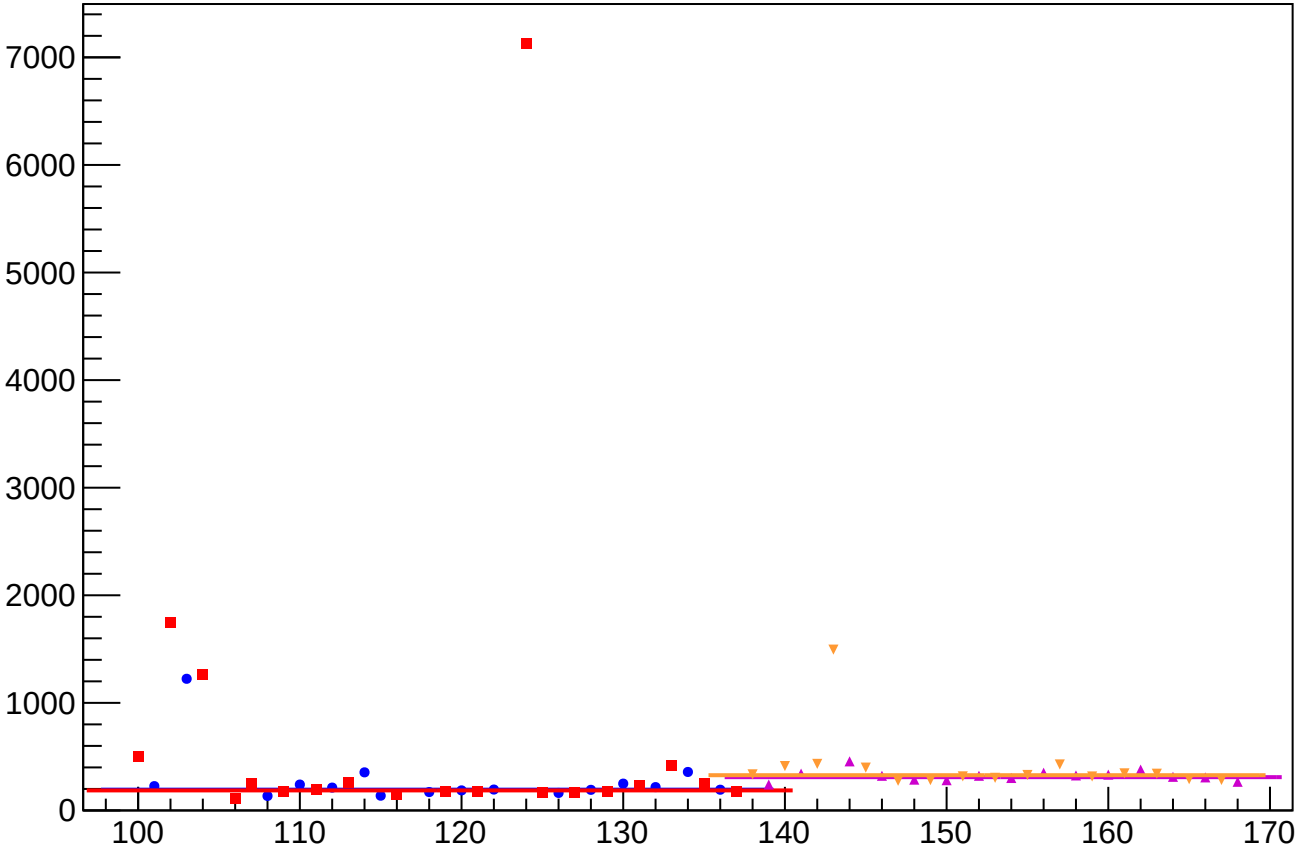
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.033+/-0.059 χ^2/NDF:35.7/30

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.000+/-0.042 χ^2/NDF: 81.8/65

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 327.641+/-0.068 χ^2/NDF:1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 309.551+/-0.064 χ^2/NDF:491377.5/14

Left: 318.005+/-0.047 χ^2/NDF: 1958218.3/30

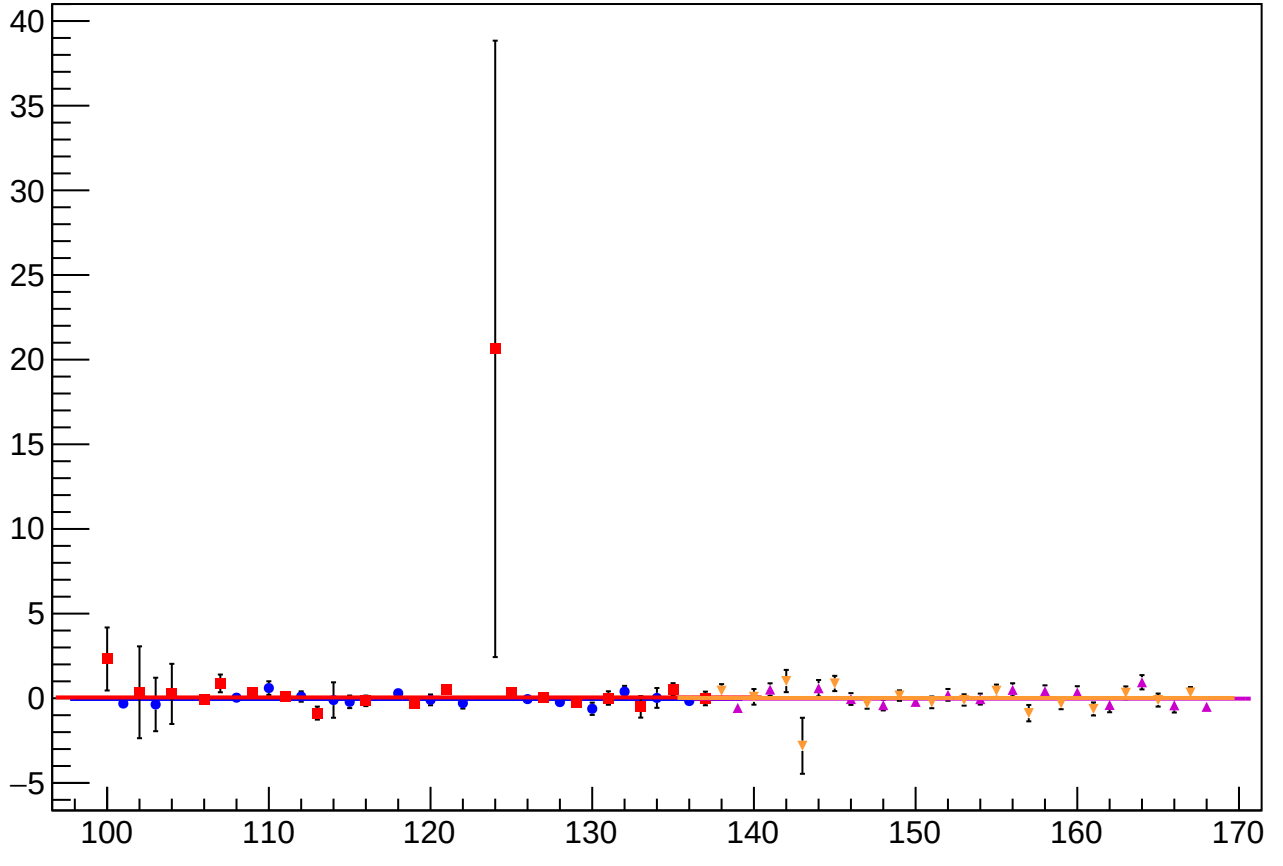
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 242.786+/-0.042 χ^2/NDF:3805701.3/30

Out: 242.976+/-0.043 χ^2/NDF:6484100.6/34

All: 242.878+/-0.030 χ^2/NDF: 10289811.9/65

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: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.022+/-0.090 χ^2/NDF:24.0/14

Left: -0.004+/-0.066 χ^2/NDF: 46.4/30

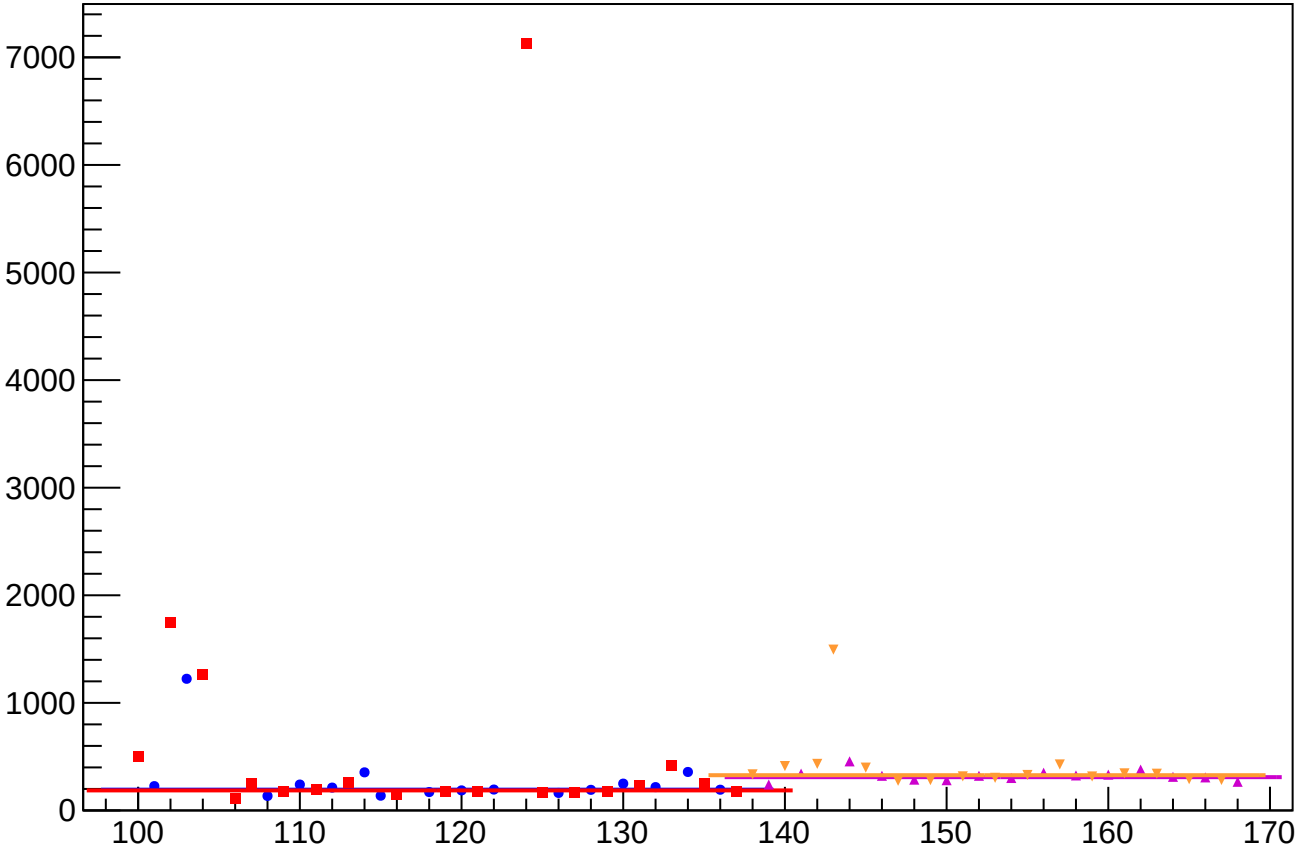
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.033+/-0.059 χ^2/NDF:35.7/30

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.000+/-0.042 χ^2/NDF: 81.8/65

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: 327.641+/-0.068 χ^2/NDF:1429302.1/15

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 309.551+/-0.064 χ^2/NDF:491377.5/14

Left: 318.005+/-0.047 χ^2/NDF: 1958218.3/30

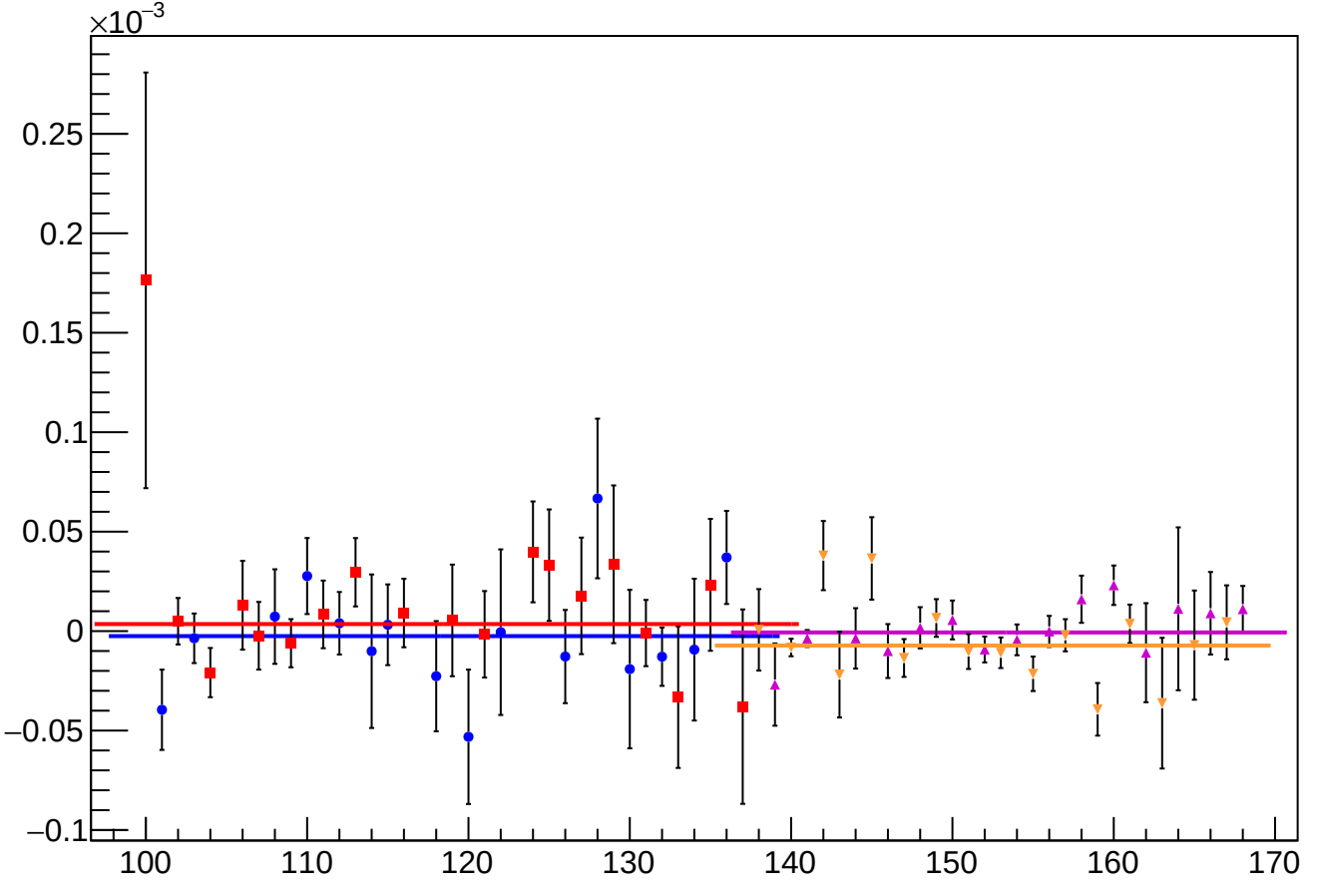
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 242.786+/-0.042 χ^2/NDF:3805701.3/30

Out: 242.976+/-0.043 χ^2/NDF:6484100.6/34

All: 242.878+/-0.030 χ^2/NDF: 10289811.9/65

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:26.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/14

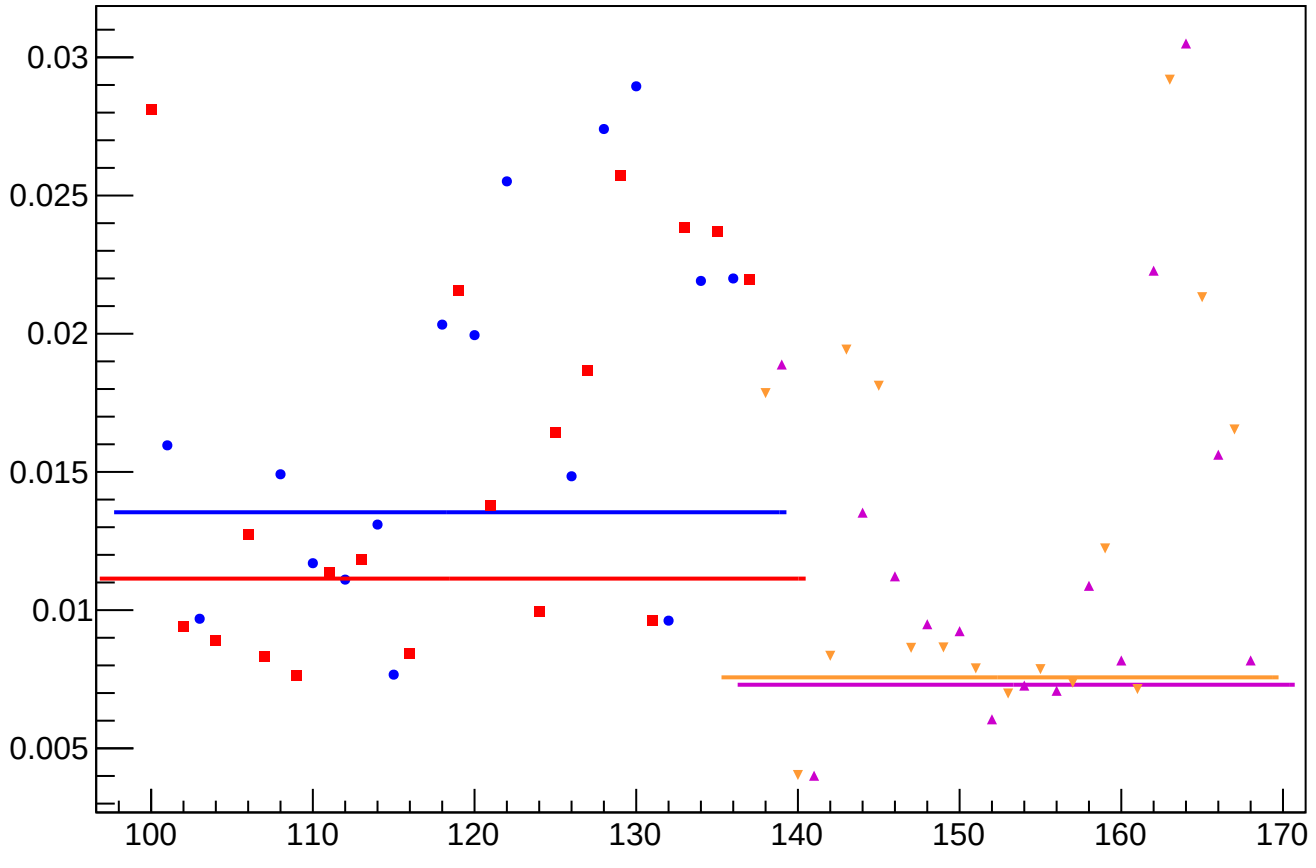
Left: -0.000+/-0.000 χ^2/NDF: 44.1/30

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:30.2/30

Out: -0.000+/-0.000 χ^2/NDF:47.0/34

All: -0.000+/-0.000 χ^2/NDF: 78.6/65



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5078118.0/15

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4462475.5/14

Left: 0.007+/-0.000 χ^2/NDF: 9552630.0/30

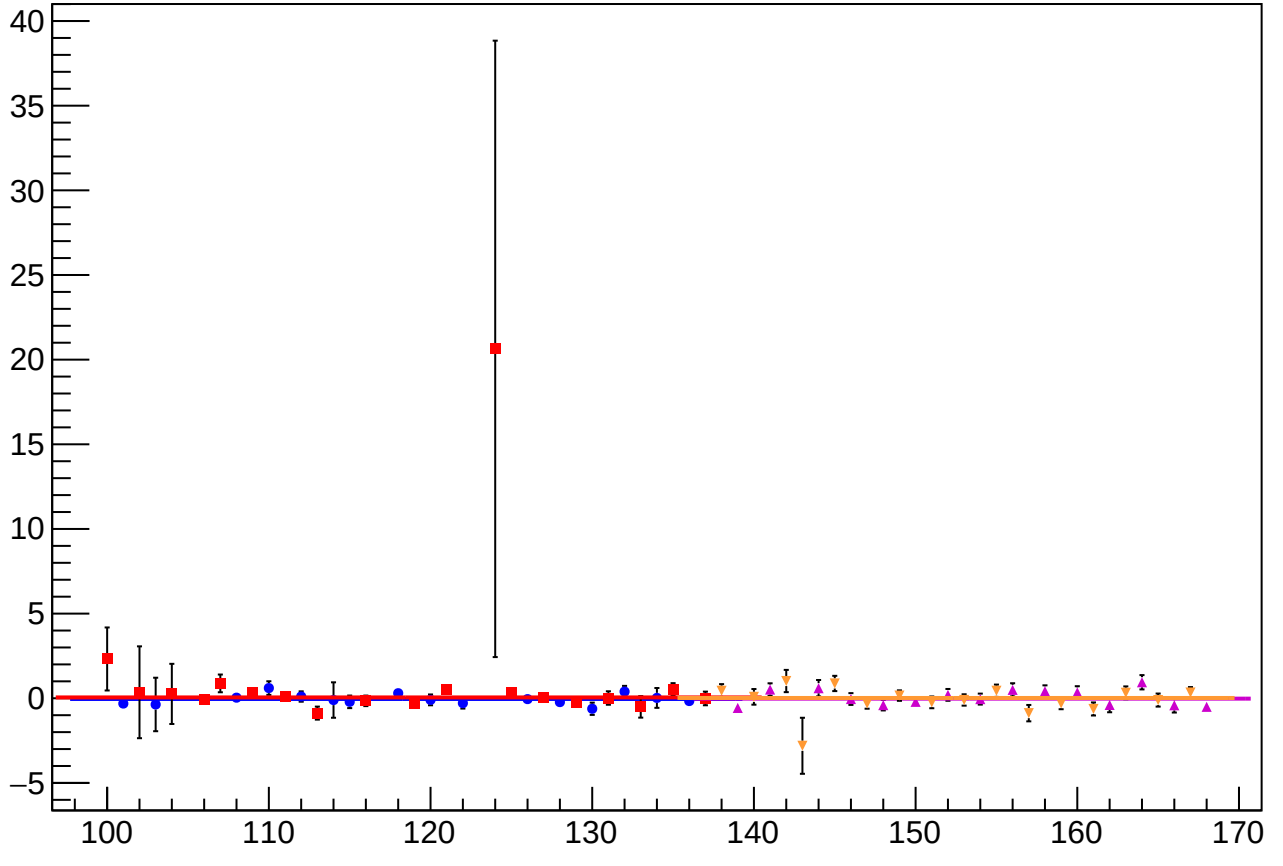
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8532195.3/30

Out: 0.008+/-0.000 χ^2/NDF:7947249.6/34

All: 0.008+/-0.000 χ^2/NDF: 16480978.1/65

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: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.022+/-0.090 χ^2/NDF:24.0/14

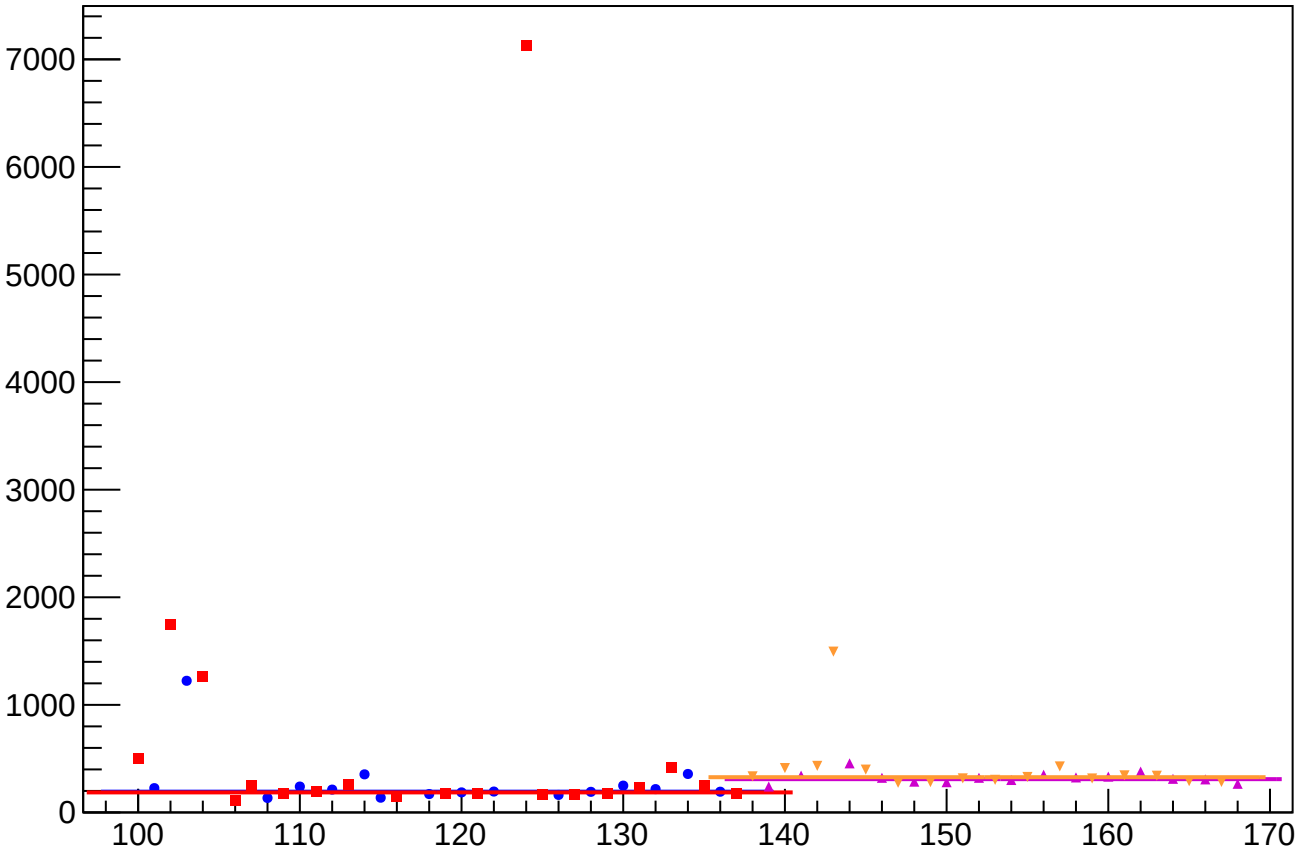
Left: -0.004+/-0.066 χ^2/NDF: 46.4/30

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.033+/-0.059 χ^2/NDF:35.7/30

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.000+/-0.042 χ^2/NDF: 81.8/65



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 327.647+/-0.068 χ^2/NDF:1429270.6/15

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 309.556+/-0.064 χ^2/NDF:491361.8/14

Left: 318.011+/-0.047 χ^2/NDF: 1958171.5/30

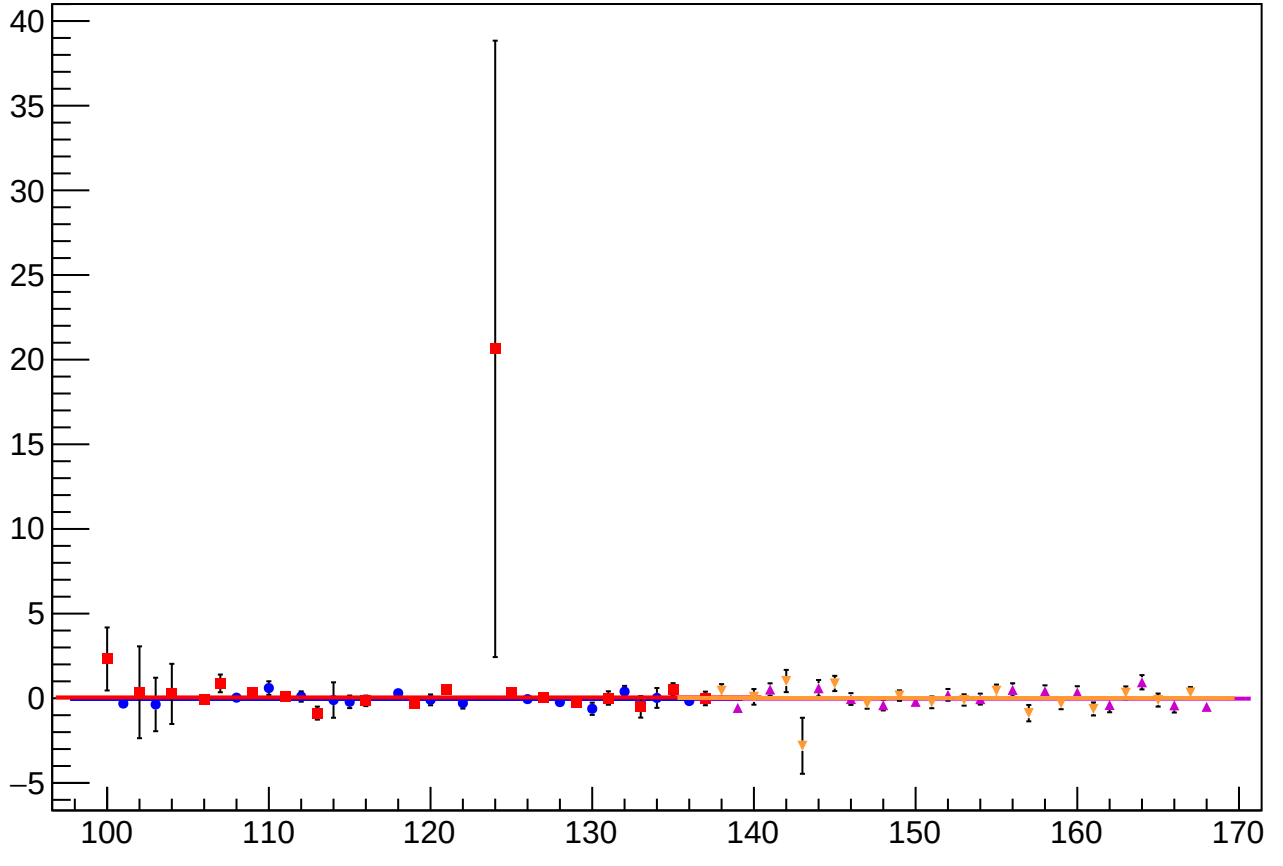
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 242.786+/-0.042 χ^2/NDF:3805870.4/30

Out: 242.975+/-0.043 χ^2/NDF:6484349.6/34

All: 242.877+/-0.030 χ^2/NDF: 10290229.8/65

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: 0.017+/-0.096 χ^2/NDF:22.4/15

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.022+/-0.090 χ^2/NDF:24.0/14

Left: -0.004+/-0.066 χ^2/NDF: 46.4/30

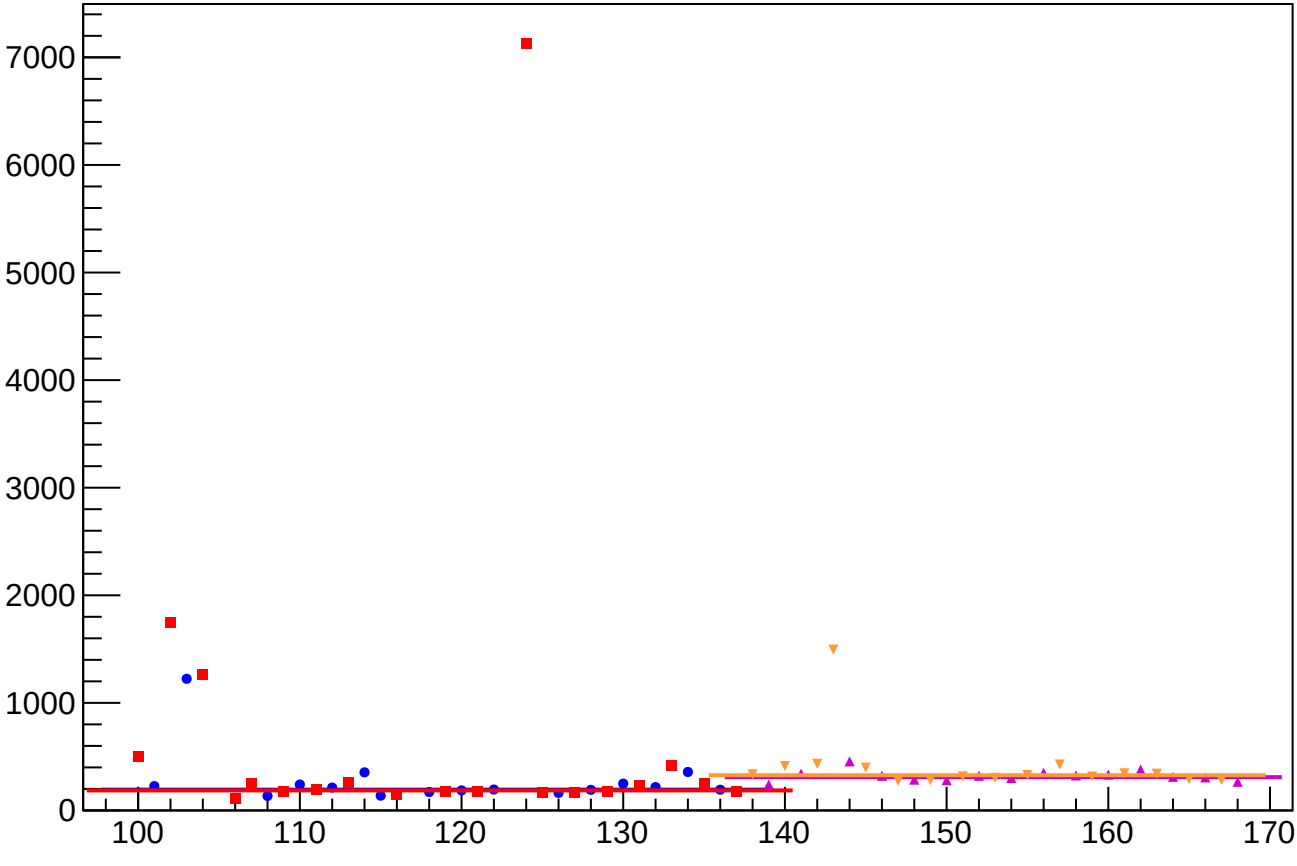
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.033+/-0.059 χ^2/NDF:35.7/30

Out: 0.036+/-0.061 χ^2/NDF:45.5/34

All: 0.000+/-0.042 χ^2/NDF: 81.8/65

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: 327.647+/-0.068 χ^2/NDF:1429270.6/15

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 309.556+/-0.064 χ^2/NDF:491361.8/14

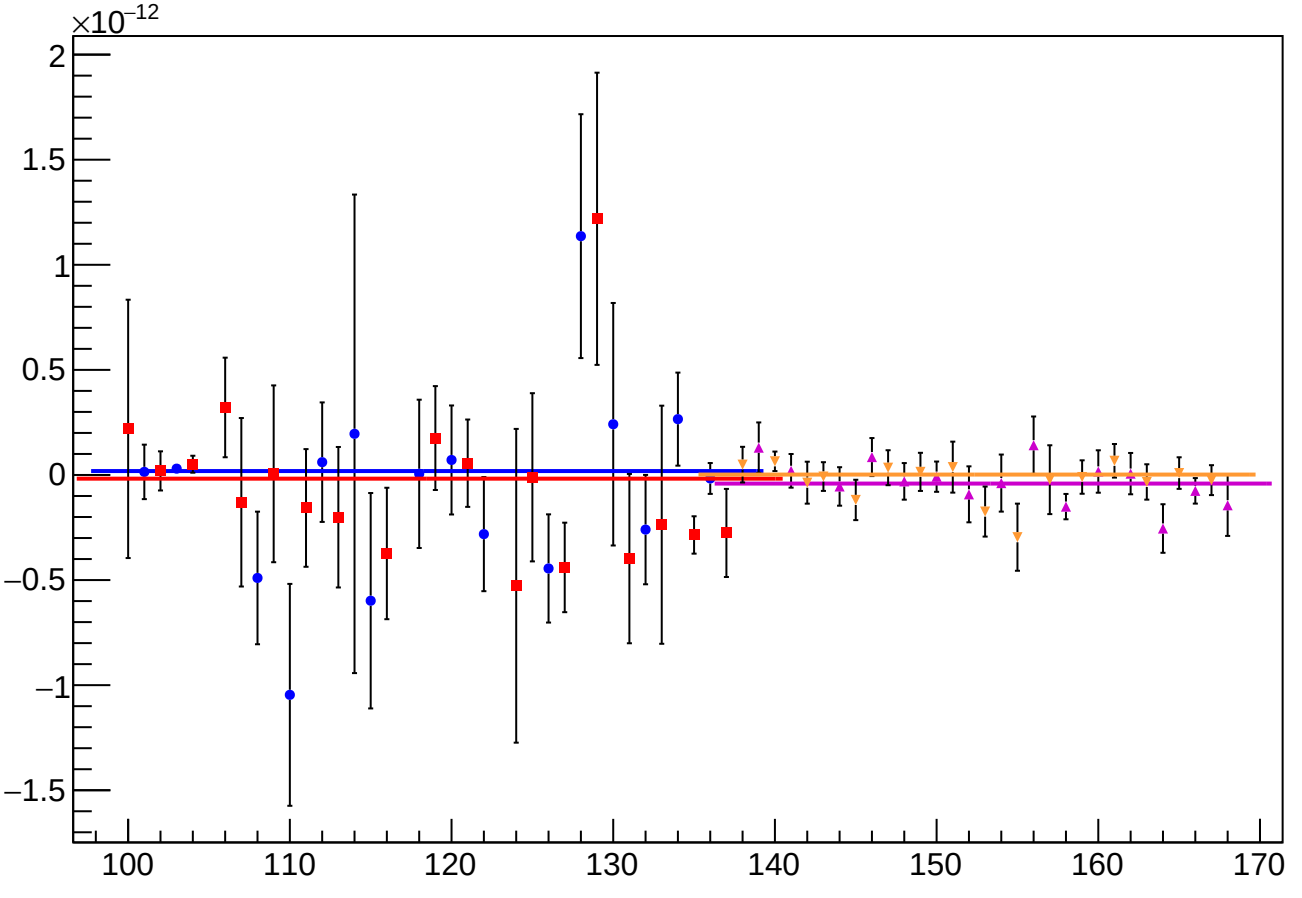
Left: 318.011+/-0.047 χ^2/NDF: 1958171.5/30

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 242.786+/-0.042 χ^2/NDF:3805870.4/30

Out: 242.975+/-0.043 χ^2/NDF:6484349.6/34

All: 242.877+/-0.030 χ^2/NDF: 10290229.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/14

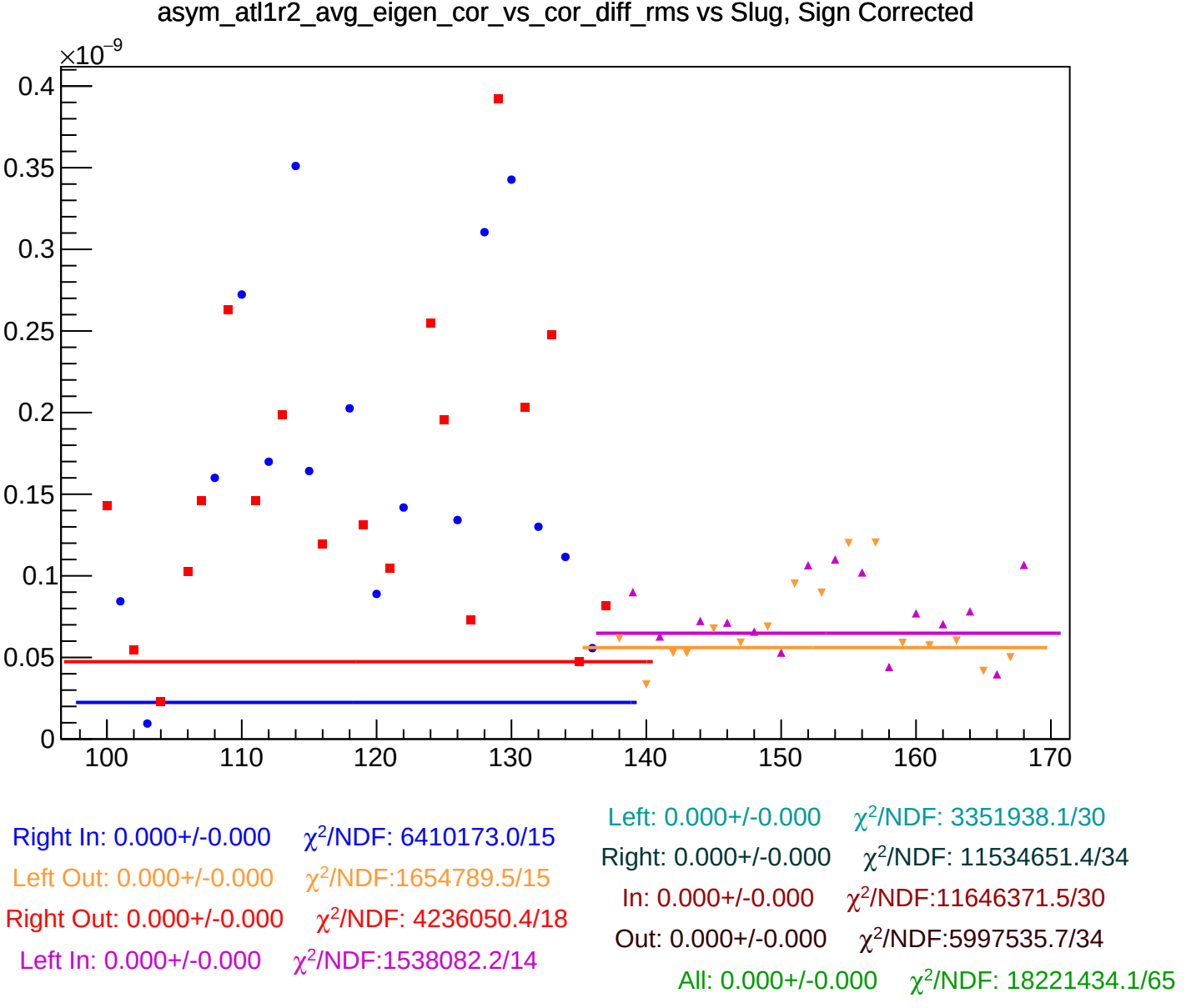
Left: -0.000+/-0.000 χ^2/NDF: 27.6/30

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

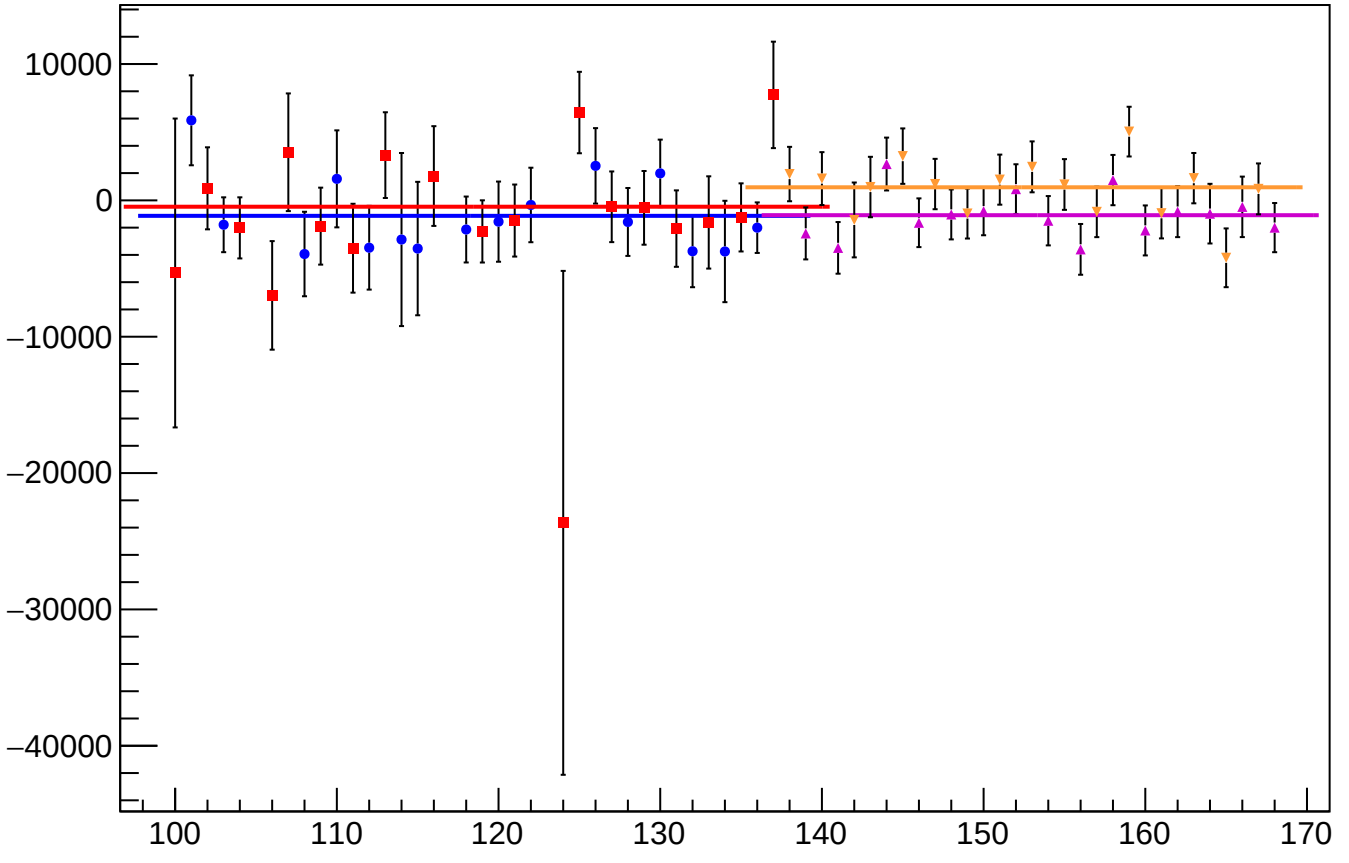
In: -0.000+/-0.000 χ^2/NDF:37.9/30

Out: -0.000+/-0.000 χ^2/NDF:38.3/34

All: -0.000+/-0.000 χ^2/NDF: 76.2/65


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1654789.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1538082.2/14
Left: 0.000+/-0.000 χ²/NDF: 3351938.1/30
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:11646371.5/30
Out: 0.000+/-0.000 χ²/NDF:5997535.7/34
All: 0.000+/-0.000 χ²/NDF: 18221434.1/65

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.119+/-485.650 χ^2/NDF:17.2/15

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1087.633+/-485.478 χ^2/NDF:11.6/14

Left: -64.618+/-343.345 χ^2/NDF: 37.6/30

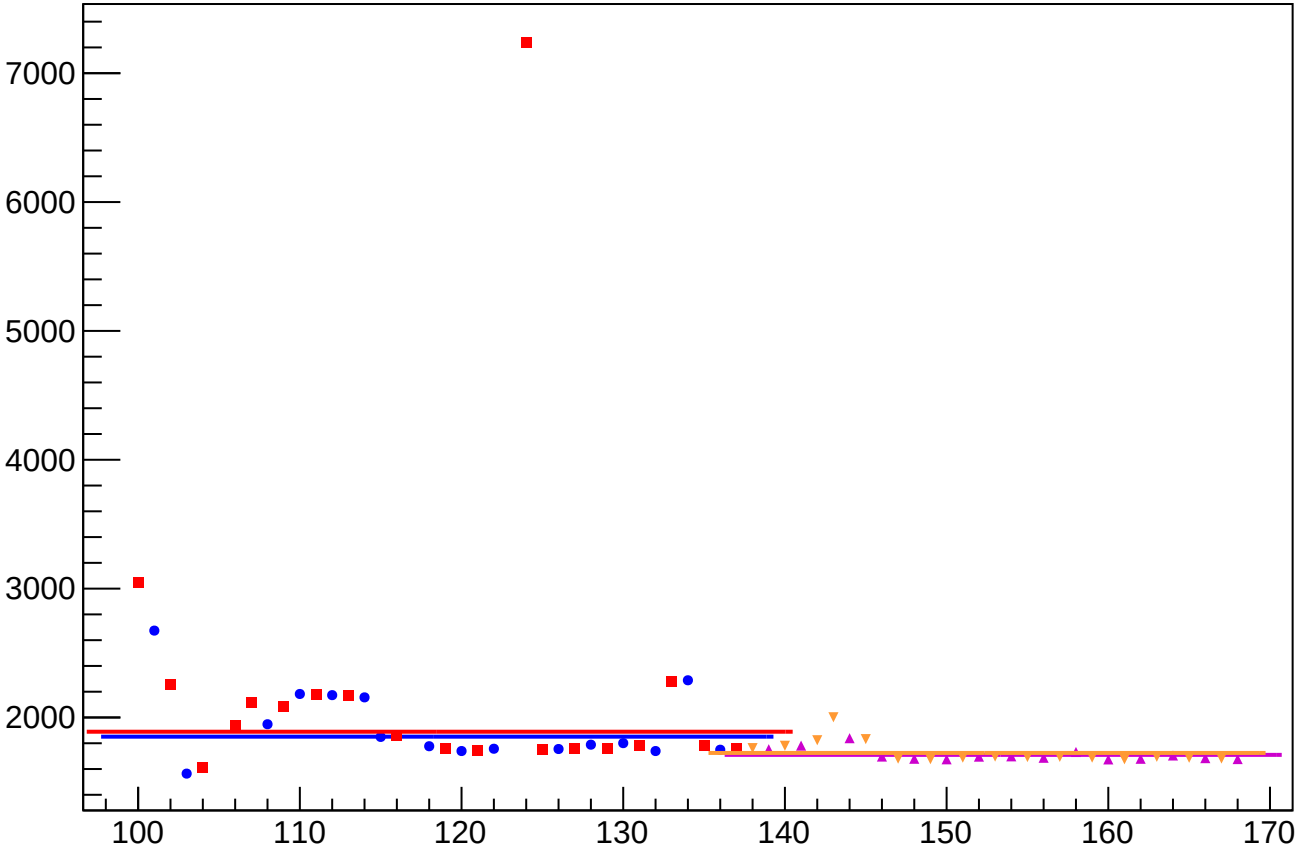
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1103.081+/-397.765 χ^2/NDF:23.8/30

Out: 501.458+/-400.109 χ^2/NDF:39.9/34

All: -305.527+/-282.087 χ^2/NDF: 71.9/65

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

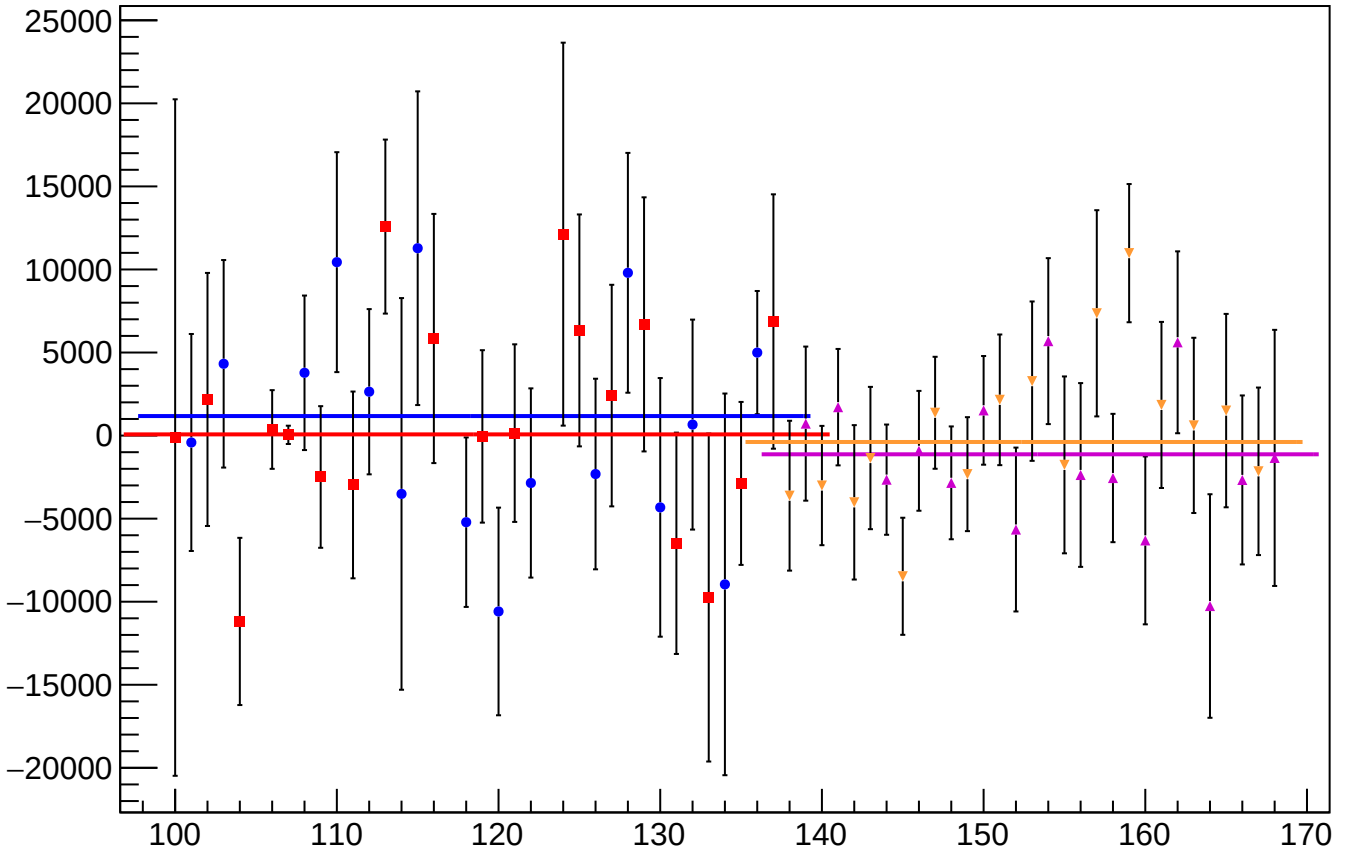
Left: 1717.330+/-0.243 χ^2/NDF: 69271.2/30

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1756.287+/-0.281 χ^2/NDF:332883.8/30

Out: 1777.897+/-0.283 χ^2/NDF:484134.7/34

All: 1767.037+/-0.199 χ^2/NDF: 819954.7/65



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -385.065+/-1082.727 χ^2/NDF:18.1/15

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1126.416+/-1113.380 χ^2/NDF:9.3/14

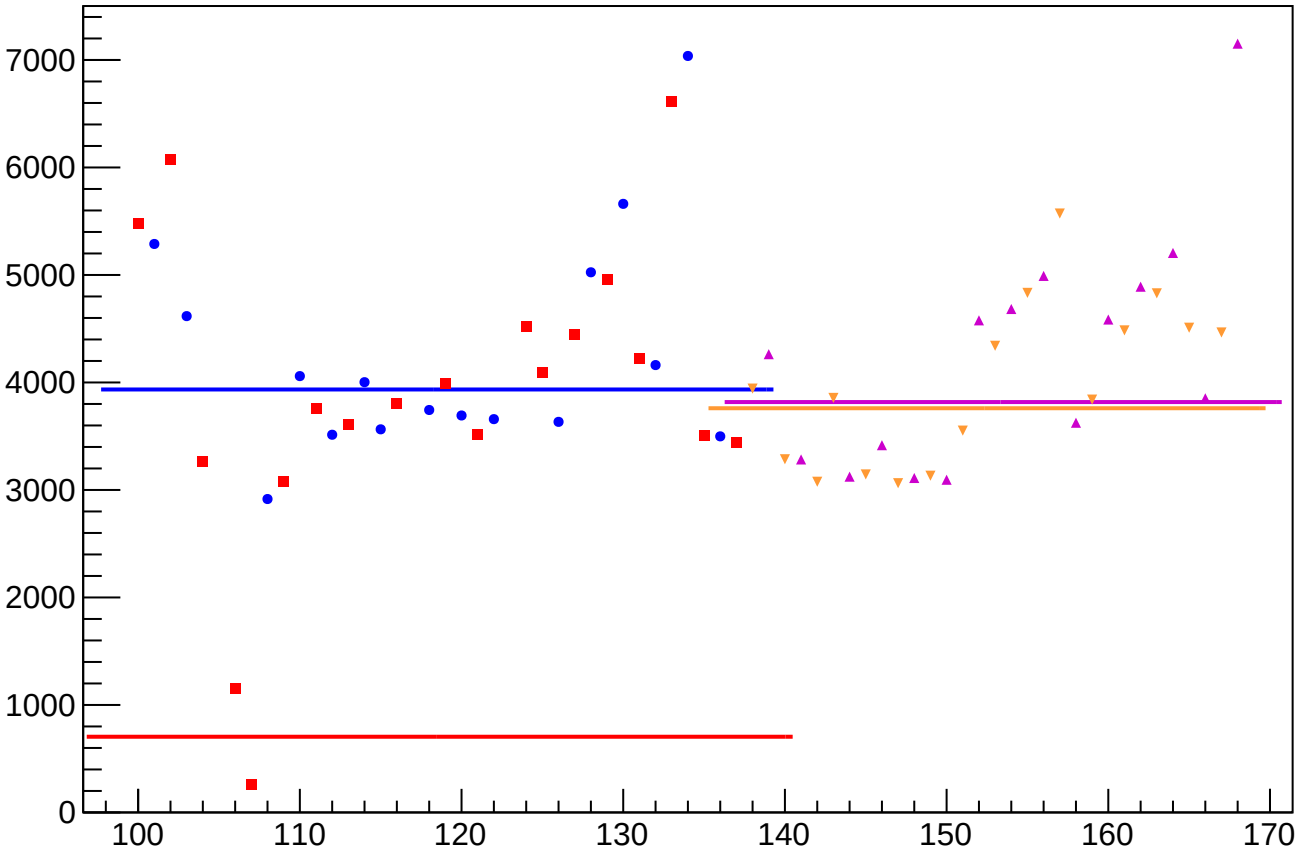
Left: -745.395+/-776.214 χ^2/NDF: 27.7/30

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -310.227+/-894.467 χ^2/NDF:24.6/30

Out: -9.290+/-458.182 χ^2/NDF:36.2/34

All: -71.841+/-407.795 χ^2/NDF: 60.9/65



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3760.227+/-0.766 χ^2/NDF:779824.8/15

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3817.736+/-0.787 χ^2/NDF:1145953.9/14

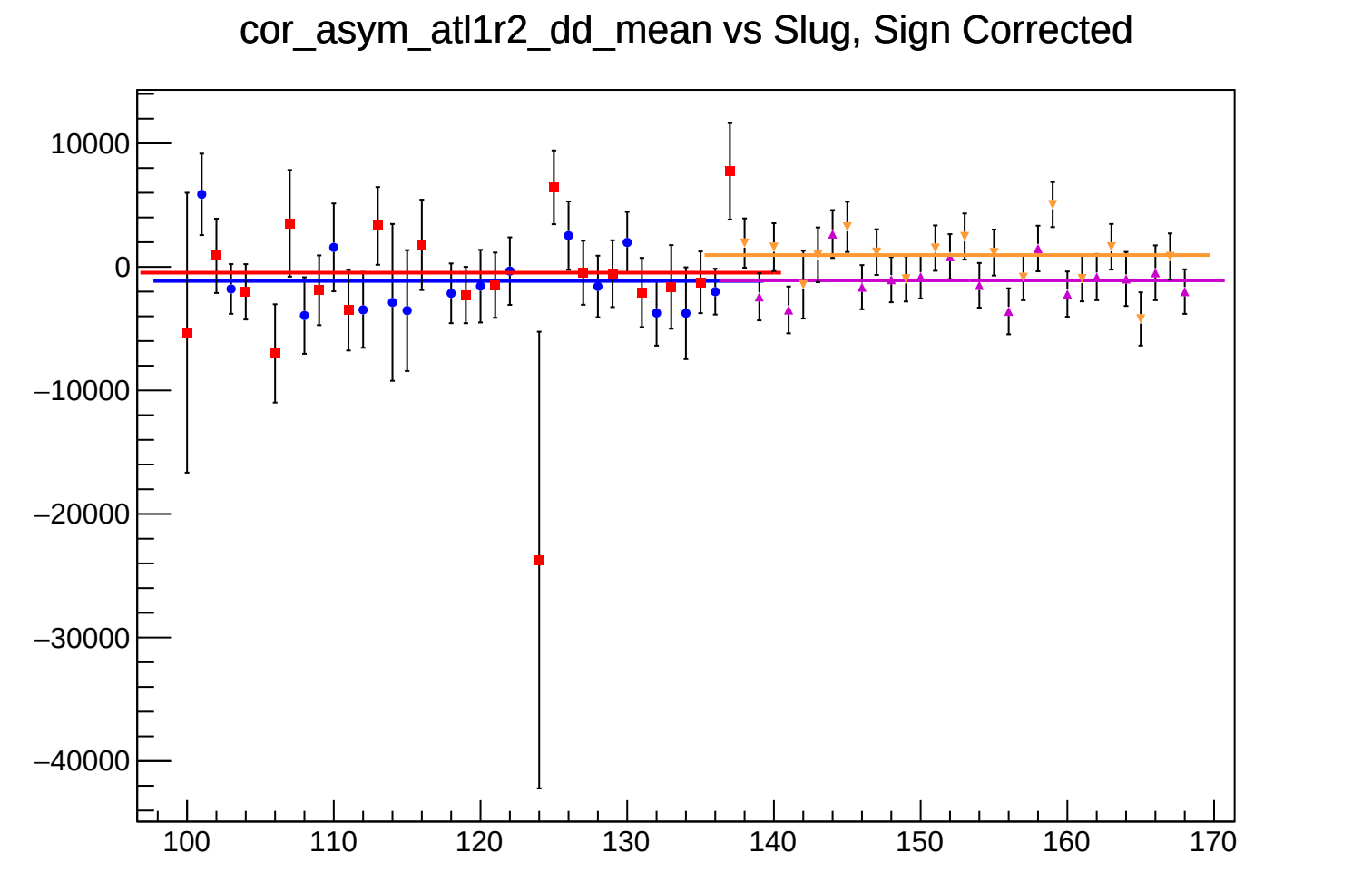
Left: 3788.179+/-0.549 χ^2/NDF: 1928521.1/30

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3859.216+/-0.632 χ^2/NDF:1713908.2/30

Out: 1251.615+/-0.324 χ^2/NDF:24476933.4/34

All: 1793.610+/-0.288 χ^2/NDF: 39655324.4/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 959.214+/-485.650 χ^2/NDF:17.2/15

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1087.596+/-485.478 χ^2/NDF:11.6/14

Left: -64.552+/-343.345 χ^2/NDF: 37.6/30

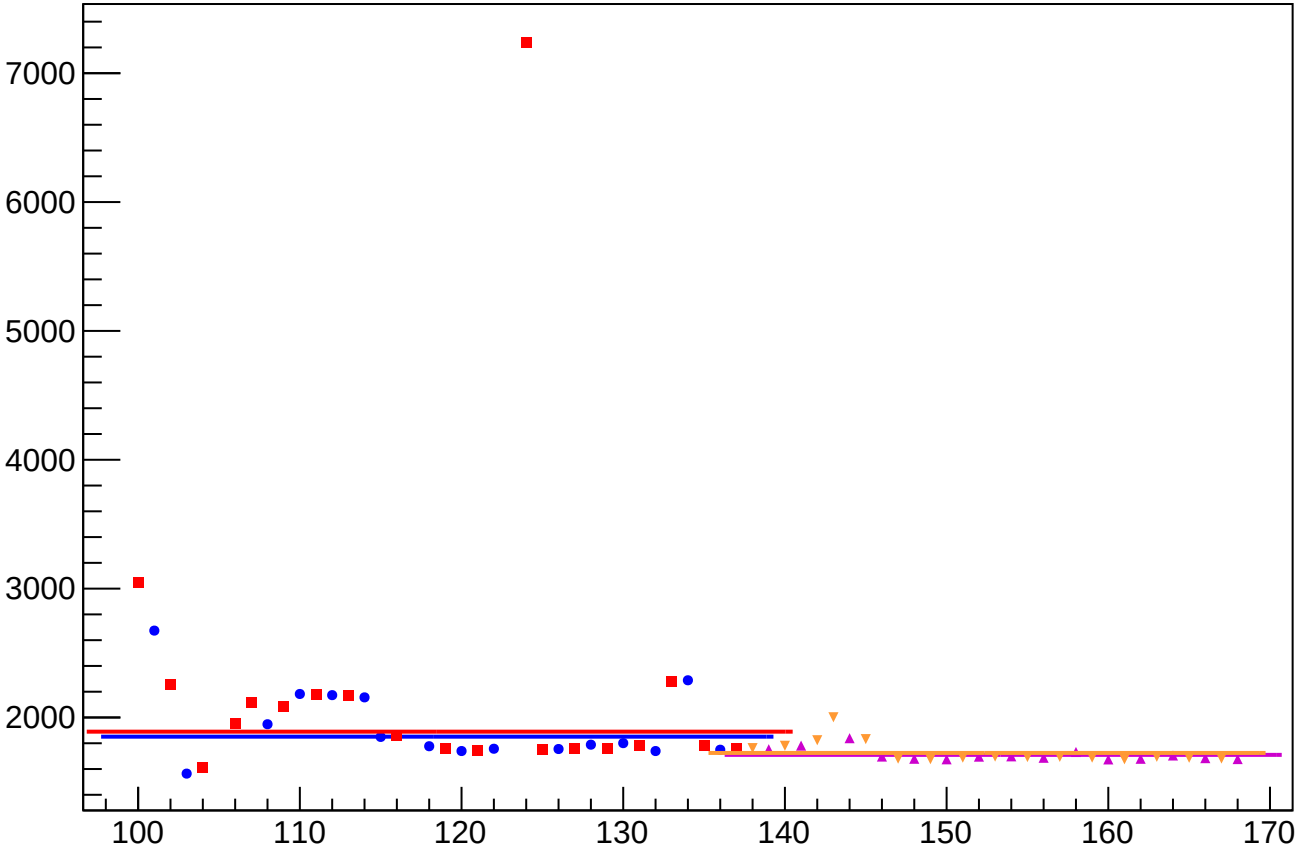
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1102.916+/-397.765 χ^2/NDF:23.8/30

Out: 501.402+/-400.110 χ^2/NDF:40.0/34

All: -305.472+/-282.088 χ^2/NDF: 71.9/65

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

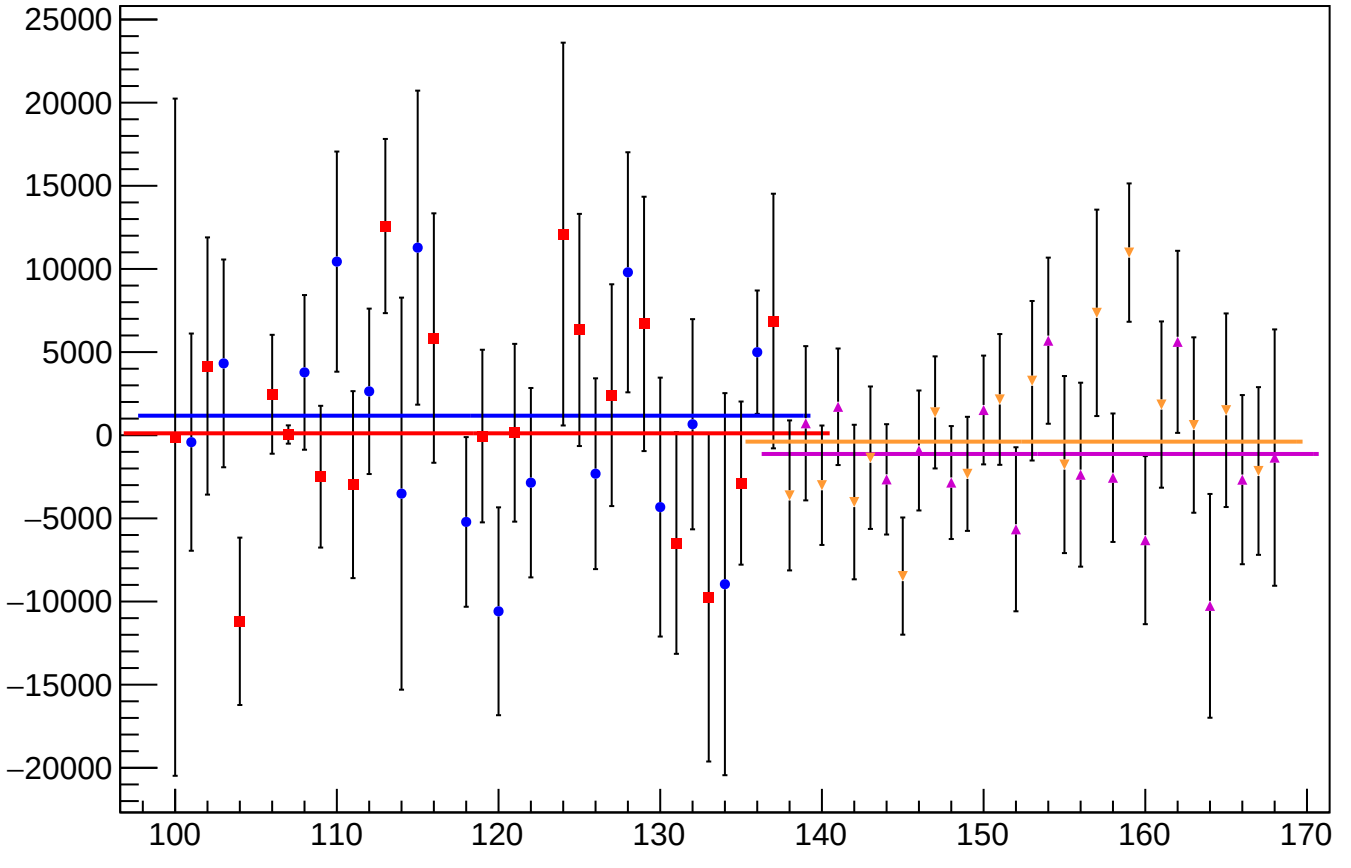
Left: 1717.330+/-0.243 χ^2/NDF: 69271.2/30

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1756.288+/-0.281 χ^2/NDF:332883.2/30

Out: 1778.028+/-0.283 χ^2/NDF:484744.5/34

All: 1767.101+/-0.199 χ^2/NDF: 820599.6/65



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1126.414+/-1113.379 χ^2/NDF:9.3/14

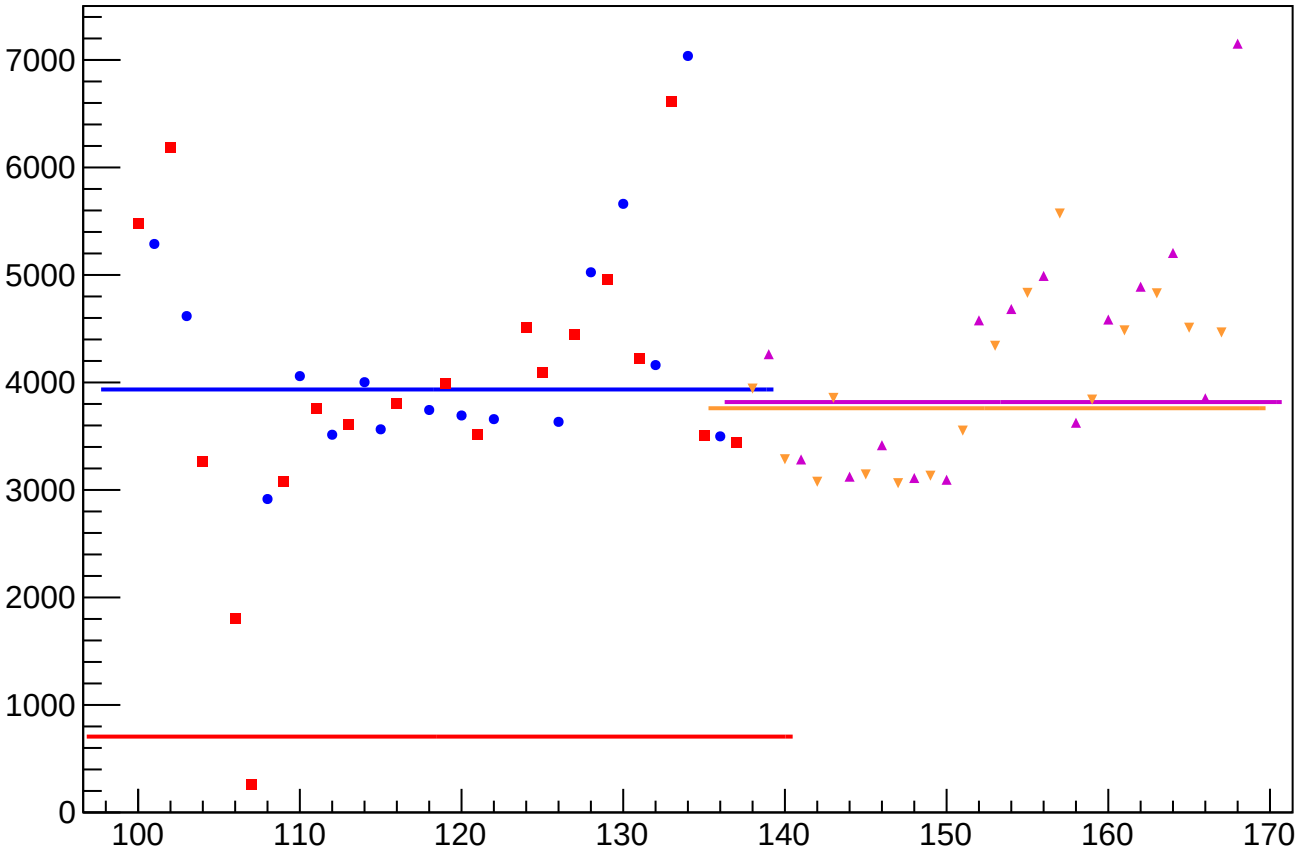
Left: -745.389+/-776.213 χ^2/NDF: 27.7/30

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -310.238+/-894.468 χ^2/NDF:24.6/30

Out: 24.279+/-463.071 χ^2/NDF:36.8/34

All: -46.427+/-411.230 χ^2/NDF: 61.5/65



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3817.737+/-0.787 χ^2/NDF:1145939.4/14

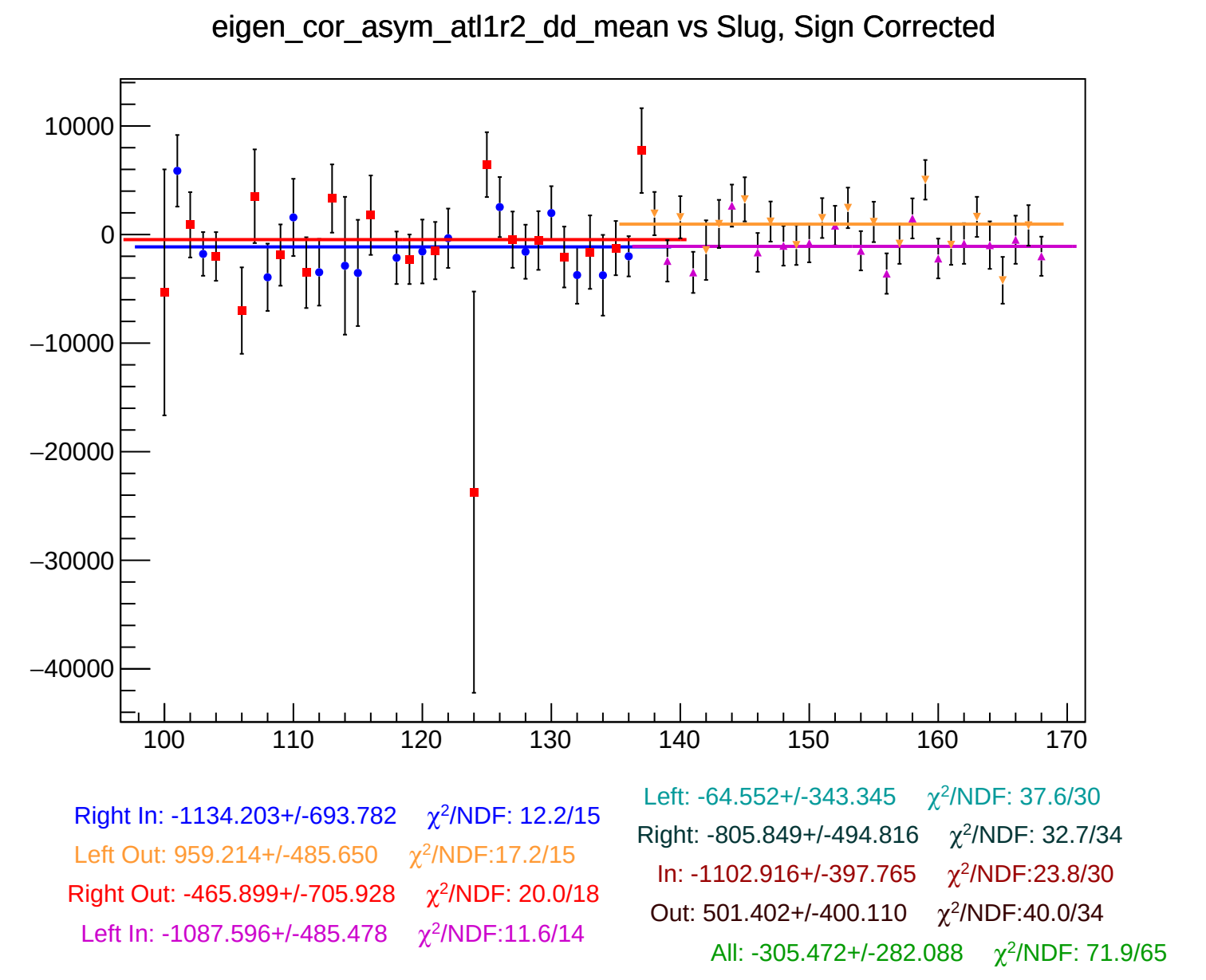
Left: 3788.174+/-0.549 χ^2/NDF: 1928517.4/30

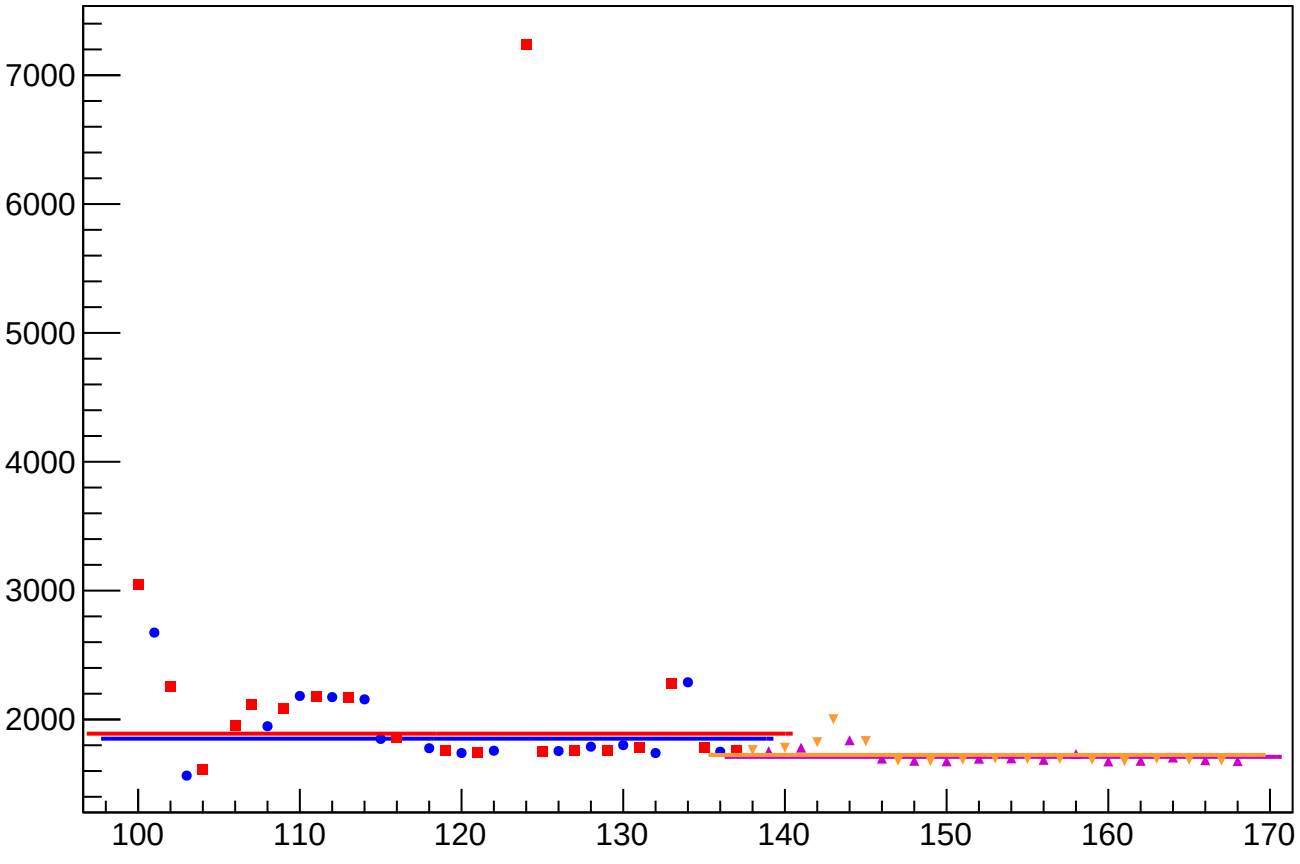
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3859.219+/-0.632 χ^2/NDF:1713919.1/30

Out: 1264.365+/-0.327 χ^2/NDF:24533748.1/34

All: 1812.835+/-0.291 χ^2/NDF: 39521622.2/6


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 959.214+/-485.650 χ²/NDF:17.2/15
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1087.596+/-485.478 χ²/NDF:11.6/14
Left: -64.552+/-343.345 χ²/NDF: 37.6/30
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1102.916+/-397.765 χ²/NDF:23.8/30
Out: 501.402+/-400.110 χ²/NDF:40.0/34
All: -305.472+/-282.088 χ²/NDF: 71.9/65



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1724.818+/-0.343 χ^2/NDF:51096.0/15

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1709.847+/-0.343 χ^2/NDF:17224.6/14

Left: 1717.330+/-0.243 χ^2/NDF: 69271.2/30

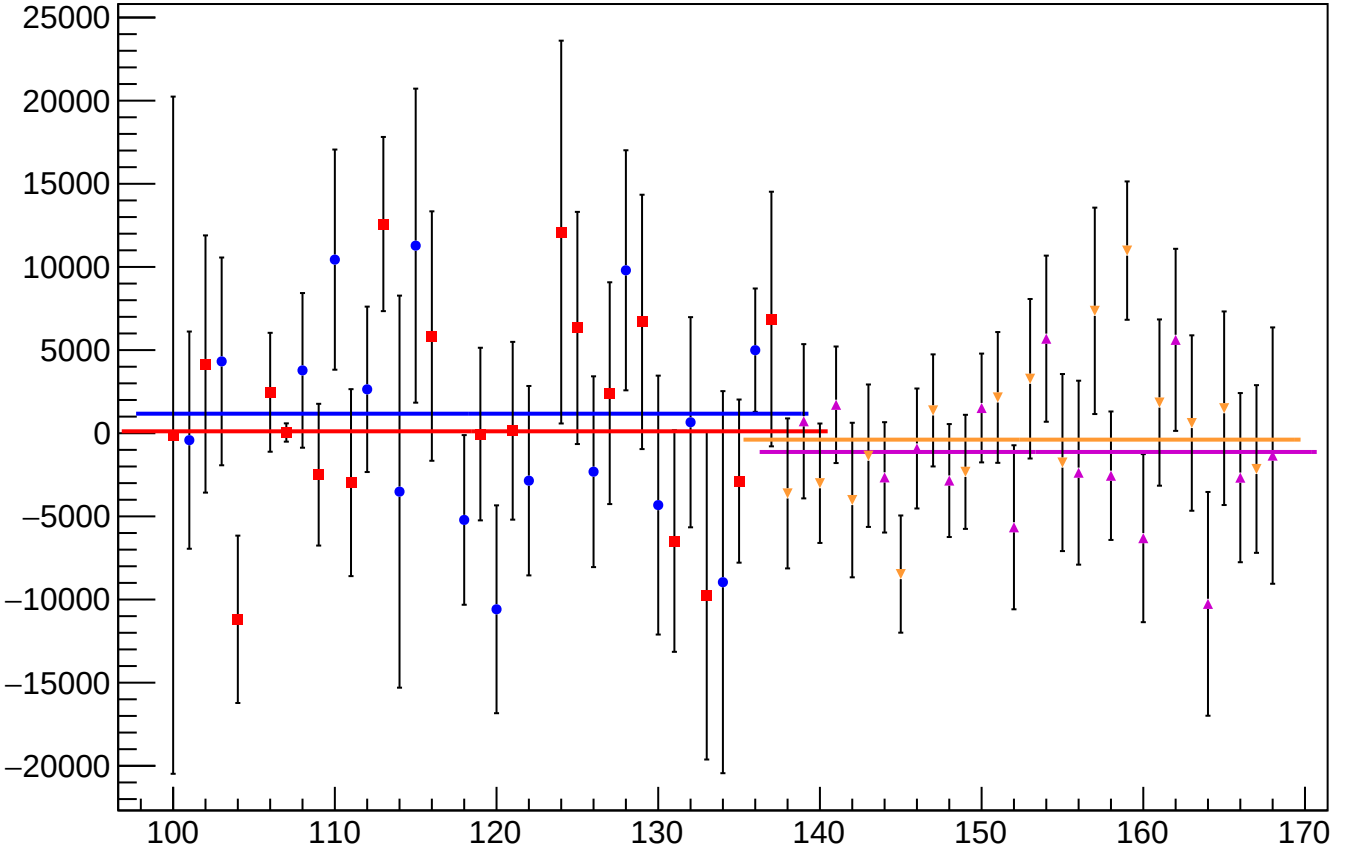
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1756.288+/-0.281 χ^2/NDF:332883.2/30

Out: 1778.028+/-0.283 χ^2/NDF:484744.5/34

All: 1767.101+/-0.199 χ^2/NDF: 820599.6/65

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: -385.058+/-1082.724 χ^2/NDF:18.1/15

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1126.414+/-1113.379 χ^2/NDF:9.3/14

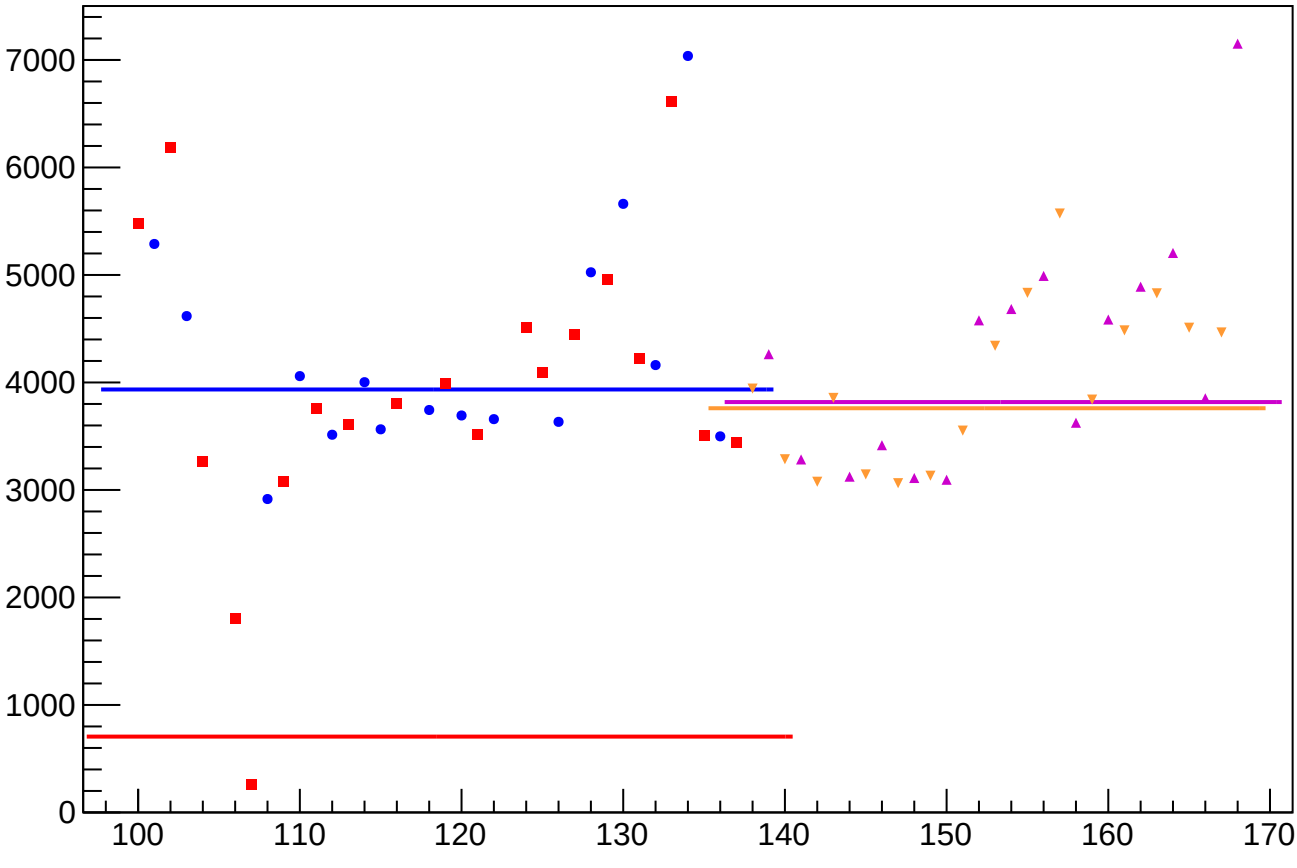
Left: -745.389+/-776.213 χ^2/NDF: 27.7/30

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -310.238+/-894.468 χ^2/NDF:24.6/30

Out: 24.279+/-463.071 χ^2/NDF:36.8/34

All: -46.427+/-411.230 χ^2/NDF: 61.5/65



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3760.217+/-0.766 χ^2/NDF:779834.5/15

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3817.737+/-0.787 χ^2/NDF:1145939.4/14

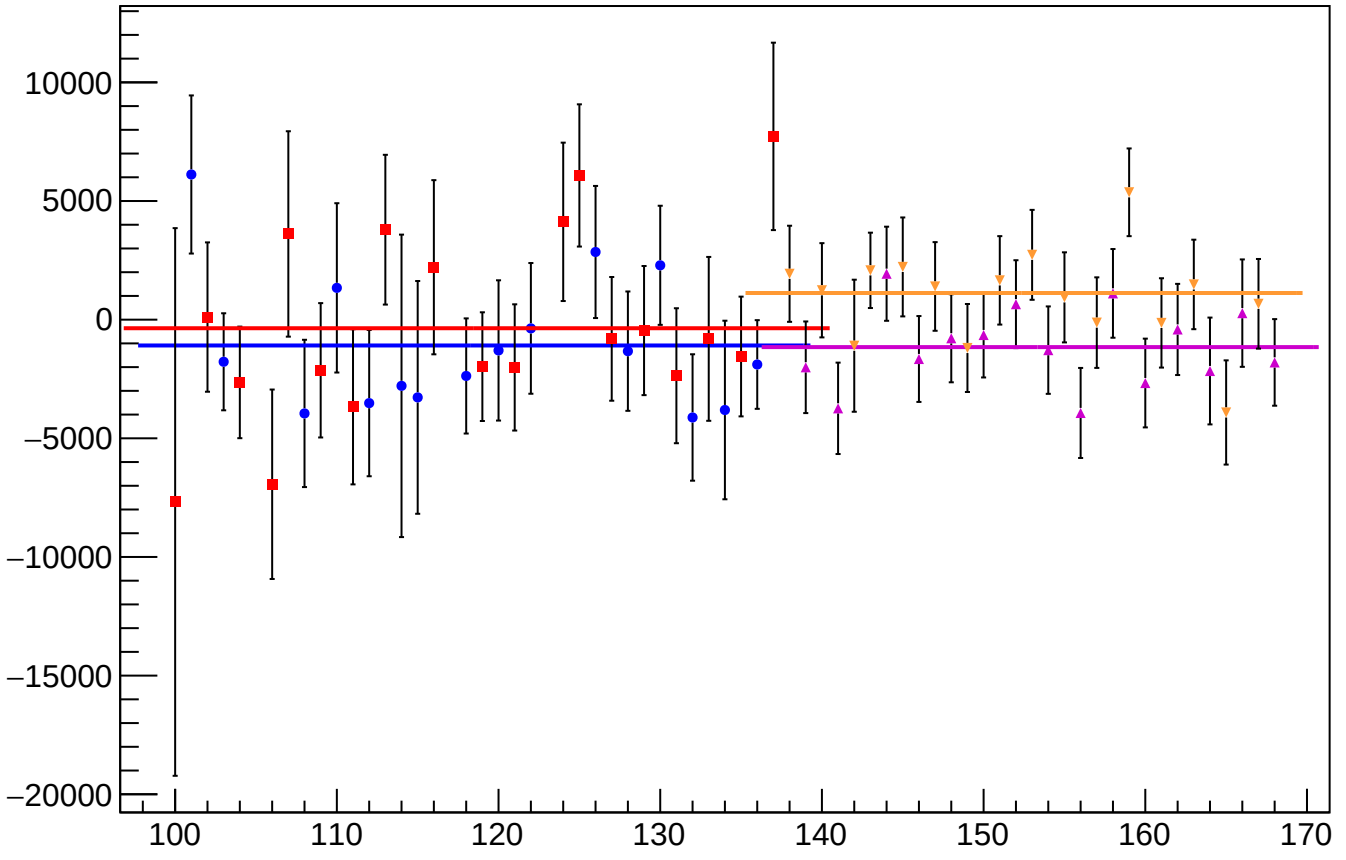
Left: 3788.174+/-0.549 χ^2/NDF: 1928517.4/30

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3859.219+/-0.632 χ^2/NDF:1713919.1/30

Out: 1264.365+/-0.327 χ^2/NDF:24533748.1/34

All: 1812.835+/-0.291 χ^2/NDF: 39521622.2/6



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1123.675+/-482.617 χ^2/NDF:15.3/15

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1156.341+/-493.803 χ^2/NDF:10.7/14

Left: 9.785+/-345.149 χ^2/NDF: 37.0/30

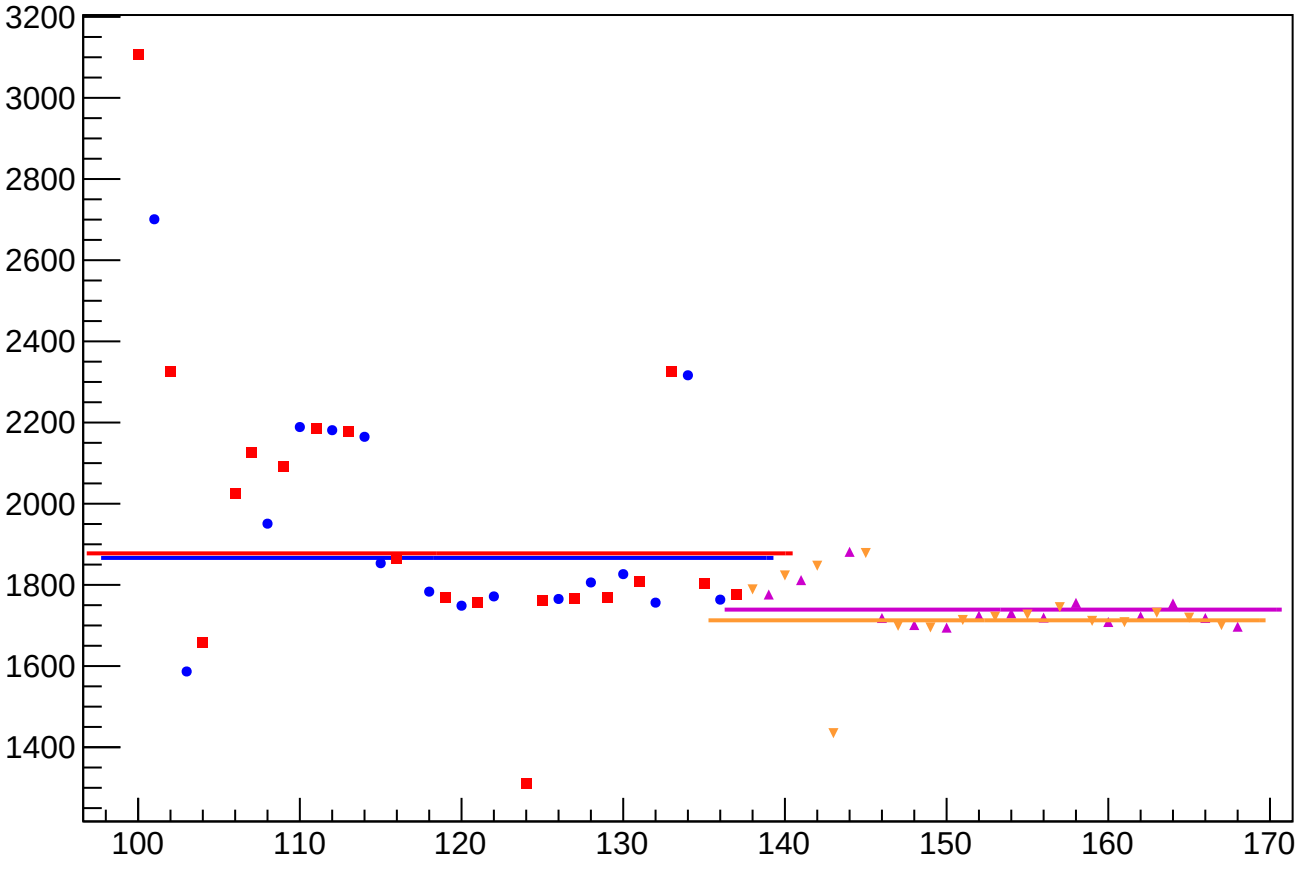
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1133.525+/-403.426 χ^2/NDF:23.9/30

Out: 644.943+/-397.273 χ^2/NDF:39.2/34

All: -230.624+/-283.065 χ^2/NDF: 73.0/65

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.692+/-0.341 χ^2/NDF:89016.8/15

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1739.072+/-0.349 χ^2/NDF:18792.3/14

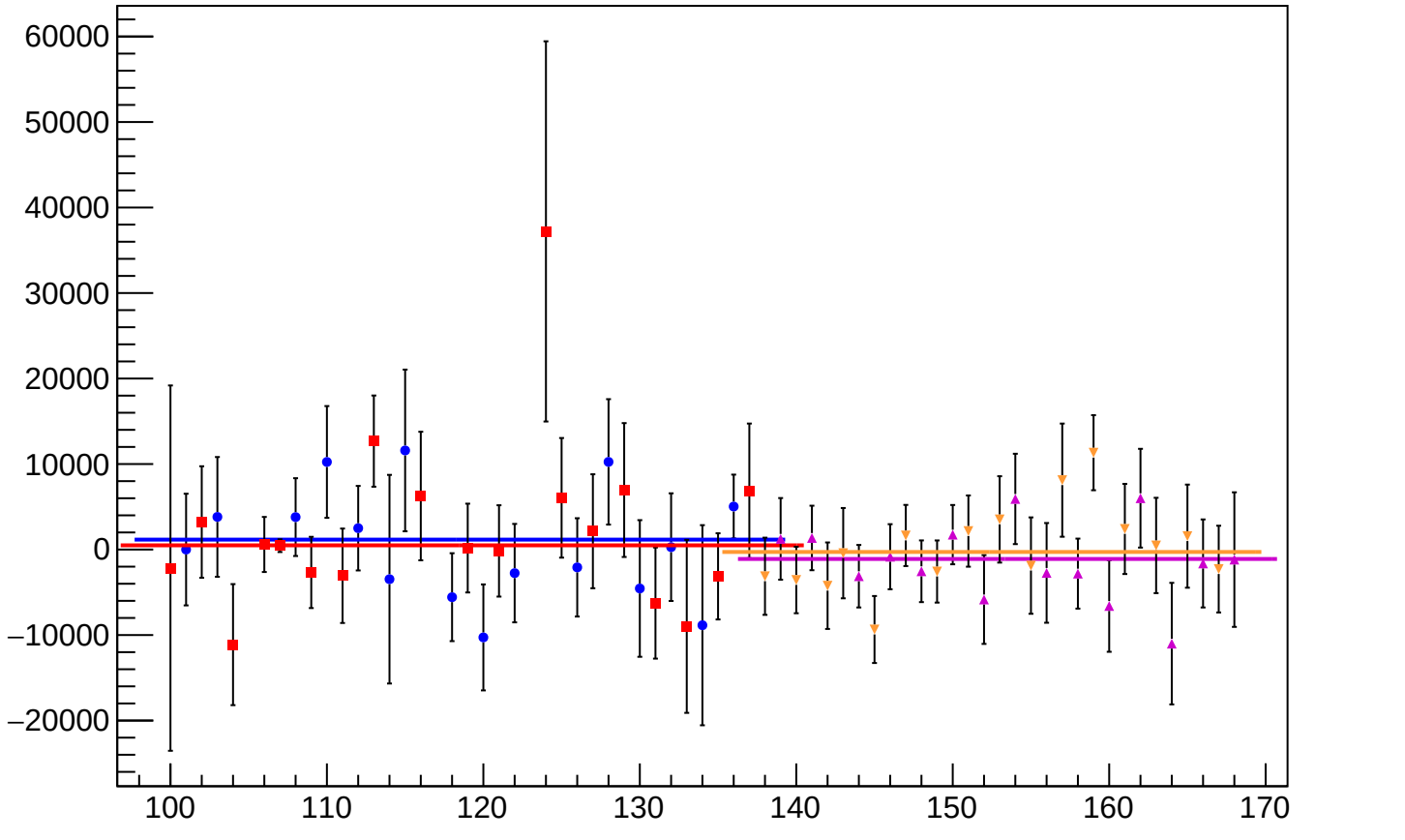
Left: 1725.579+/-0.244 χ^2/NDF: 110728.4/30

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1781.433+/-0.285 χ^2/NDF:319314.3/30

Out: 1765.937+/-0.281 χ^2/NDF:416290.2/34

All: 1773.564+/-0.200 χ^2/NDF: 737103.0/65



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -283.196+/-1157.103 χ^2/NDF:17.9/15

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -1102.169+/-1179.738 χ^2/NDF:9.2/14

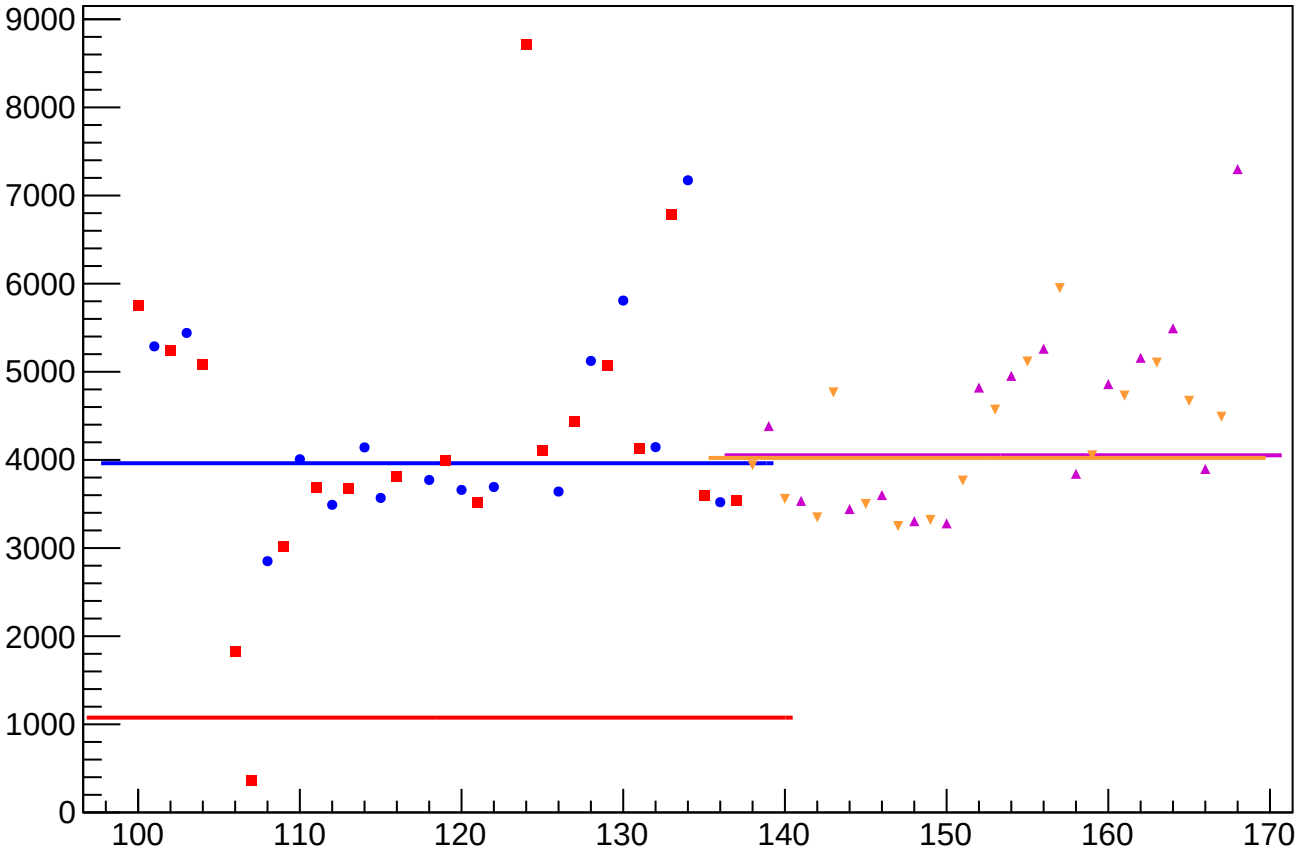
Left: -684.750+/-826.082 χ^2/NDF: 27.3/30

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: -245.864+/-930.166 χ^2/NDF:24.2/30

Out: 303.039+/-572.320 χ^2/NDF:35.2/34

All: 152.302+/-487.442 χ^2/NDF: 59.6/65



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4022.937+/-0.818 χ^2/NDF:735891.4/15

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4052.711+/-0.834 χ^2/NDF:1052726.5/14

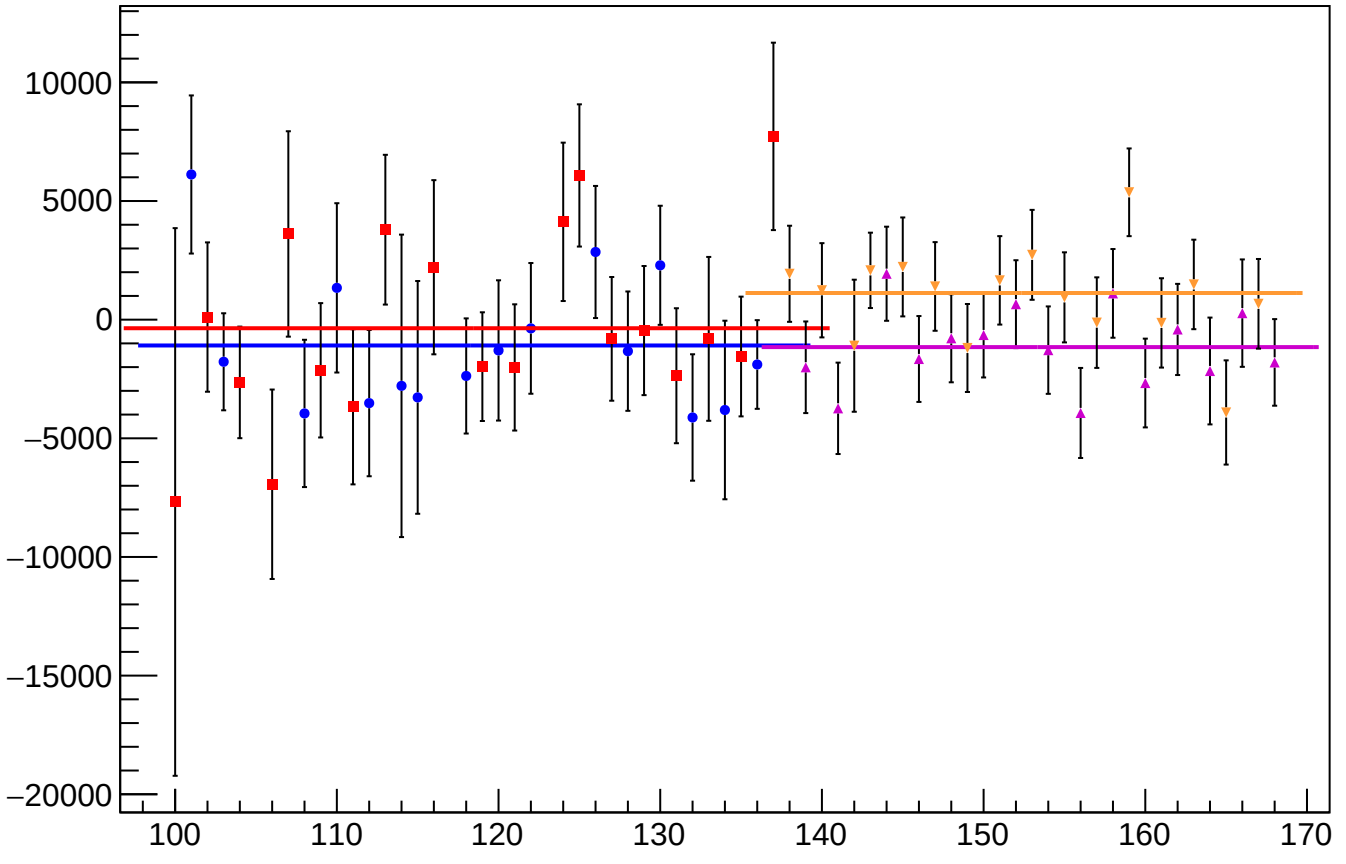
Left: 4037.535+/-0.584 χ^2/NDF: 1789267.2/30

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4018.530+/-0.658 χ^2/NDF:1725503.6/30

Out: 1796.916+/-0.405 χ^2/NDF:20093496.4/34

All: 2407.005+/-0.345 χ^2/NDF: 30094893.6/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1123.680+/-482.617 χ^2/NDF:15.3/15

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1156.343+/-493.804 χ^2/NDF:10.7/14

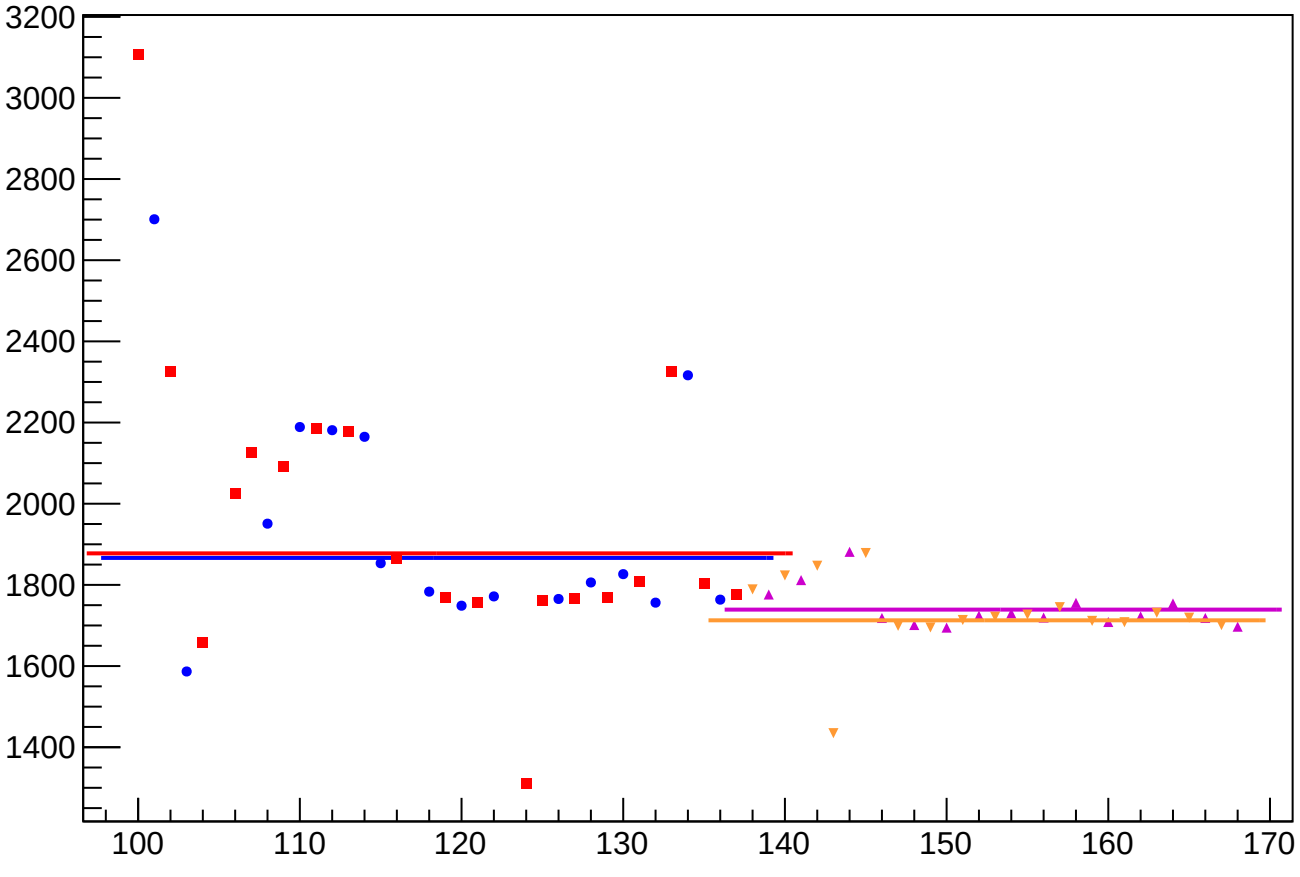
Left: 9.787+/-345.149 χ^2/NDF: 37.0/30

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1133.528+/-403.426 χ^2/NDF:23.9/30

Out: 644.945+/-397.273 χ^2/NDF:39.2/34

All: -230.624+/-283.065 χ^2/NDF: 73.0/65



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.693+/-0.341 χ^2/NDF:89016.0/15

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1739.072+/-0.349 χ^2/NDF:18792.2/14

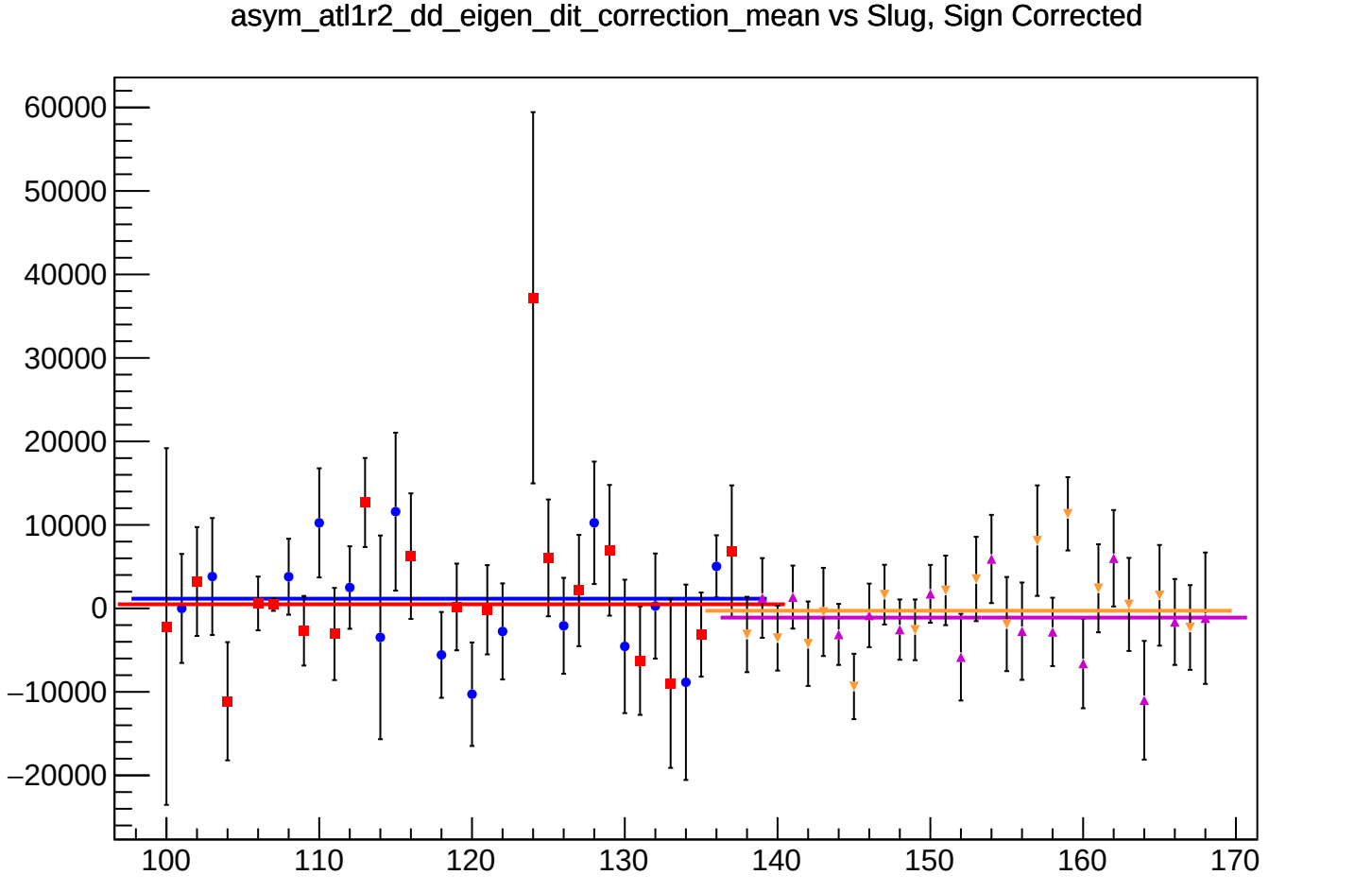
Left: 1725.580+/-0.244 χ^2/NDF: 110727.4/30

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1781.433+/-0.285 χ^2/NDF:319313.4/30

Out: 1765.938+/-0.281 χ^2/NDF:416288.7/34

All: 1773.564+/-0.200 χ^2/NDF: 737100.5/65



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -283.195+/-1157.105 χ^2/NDF:17.9/15

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -1102.167+/-1179.740 χ^2/NDF:9.2/14

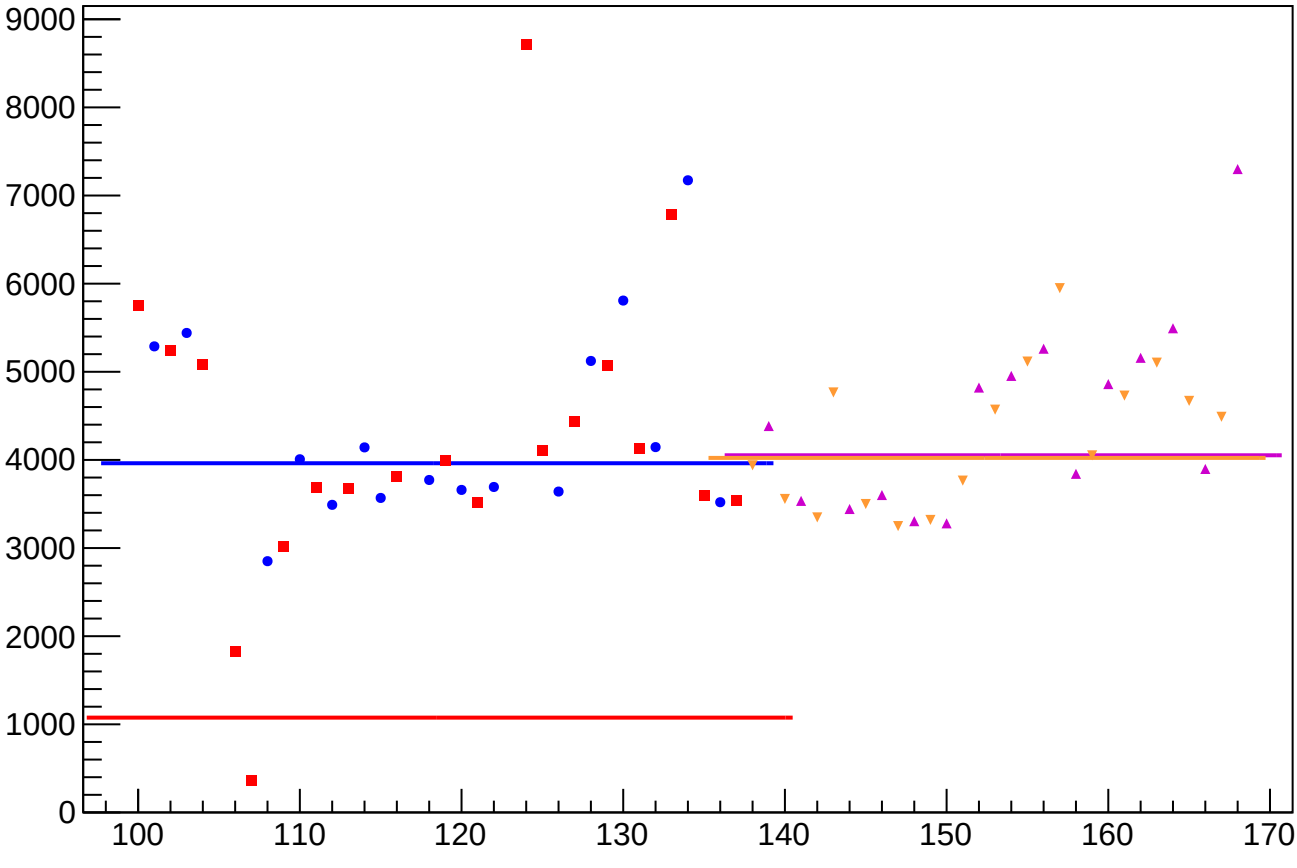
Left: -684.749+/-826.083 χ^2/NDF: 27.3/30

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -245.867+/-930.166 χ^2/NDF:24.2/30

Out: 303.040+/-572.327 χ^2/NDF:35.2/34

All: 152.299+/-487.446 χ^2/NDF: 59.6/65



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4022.942+/-0.818 χ^2/NDF:735892.4/15

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4052.717+/-0.834 χ^2/NDF:1052728.1/14

Left: 4037.541+/-0.584 χ^2/NDF: 1789269.8/30

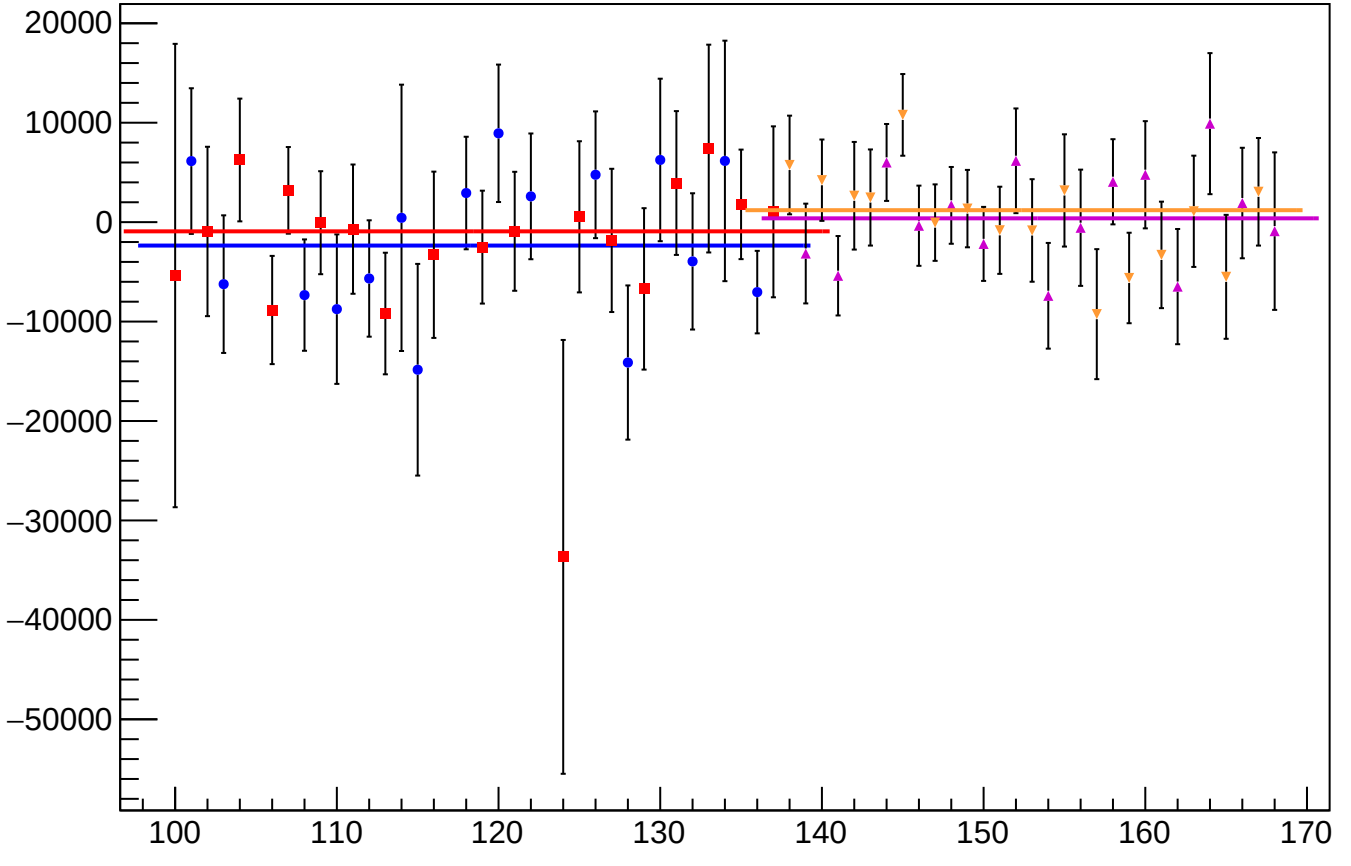
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4018.531+/-0.658 χ^2/NDF:1725502.7/30

Out: 1796.956+/-0.405 χ^2/NDF:20093100.7/34

All: 2407.046+/-0.345 χ^2/NDF: 30094140.0/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1202.522+/-1204.169 χ^2/NDF:14.4/15

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 382.972+/-1233.185 χ^2/NDF:13.4/14

Left: 802.503+/-861.551 χ^2/NDF: 28.0/30

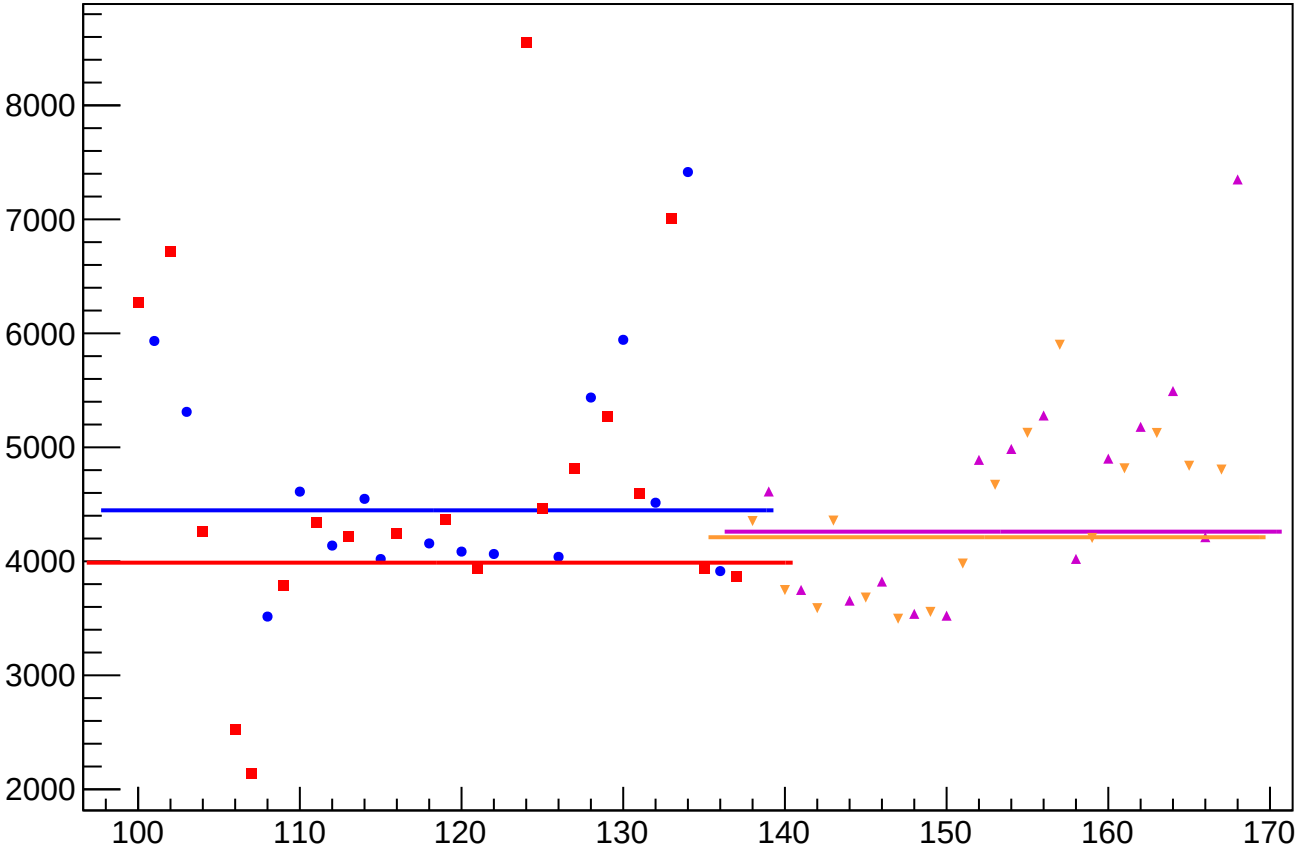
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -572.132+/-995.101 χ^2/NDF:30.7/30

Out: 399.792+/-950.206 χ^2/NDF:26.1/34

All: -63.751+/-687.220 χ^2/NDF: 57.3/65

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4211.413+/-0.851 χ^2/NDF:545265.6/15

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4260.252+/-0.872 χ^2/NDF:839731.8/14

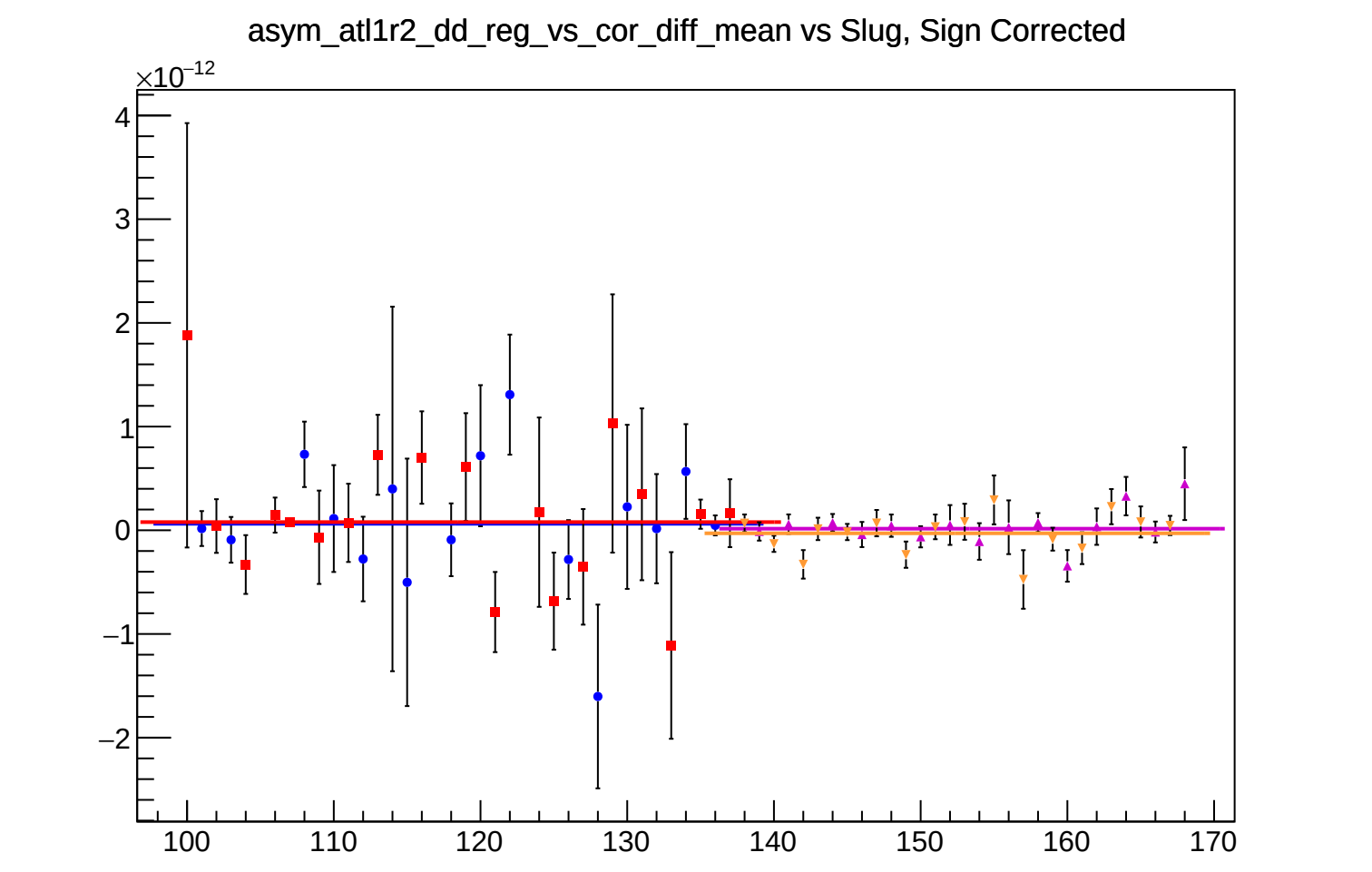
Left: 4235.251+/-0.609 χ^2/NDF: 1386603.2/30

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4325.548+/-0.704 χ^2/NDF:1314056.1/30

Out: 4126.159+/-0.669 χ^2/NDF:1715439.5/34

All: 4220.878+/-0.485 χ^2/NDF: 3071647.4/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/14

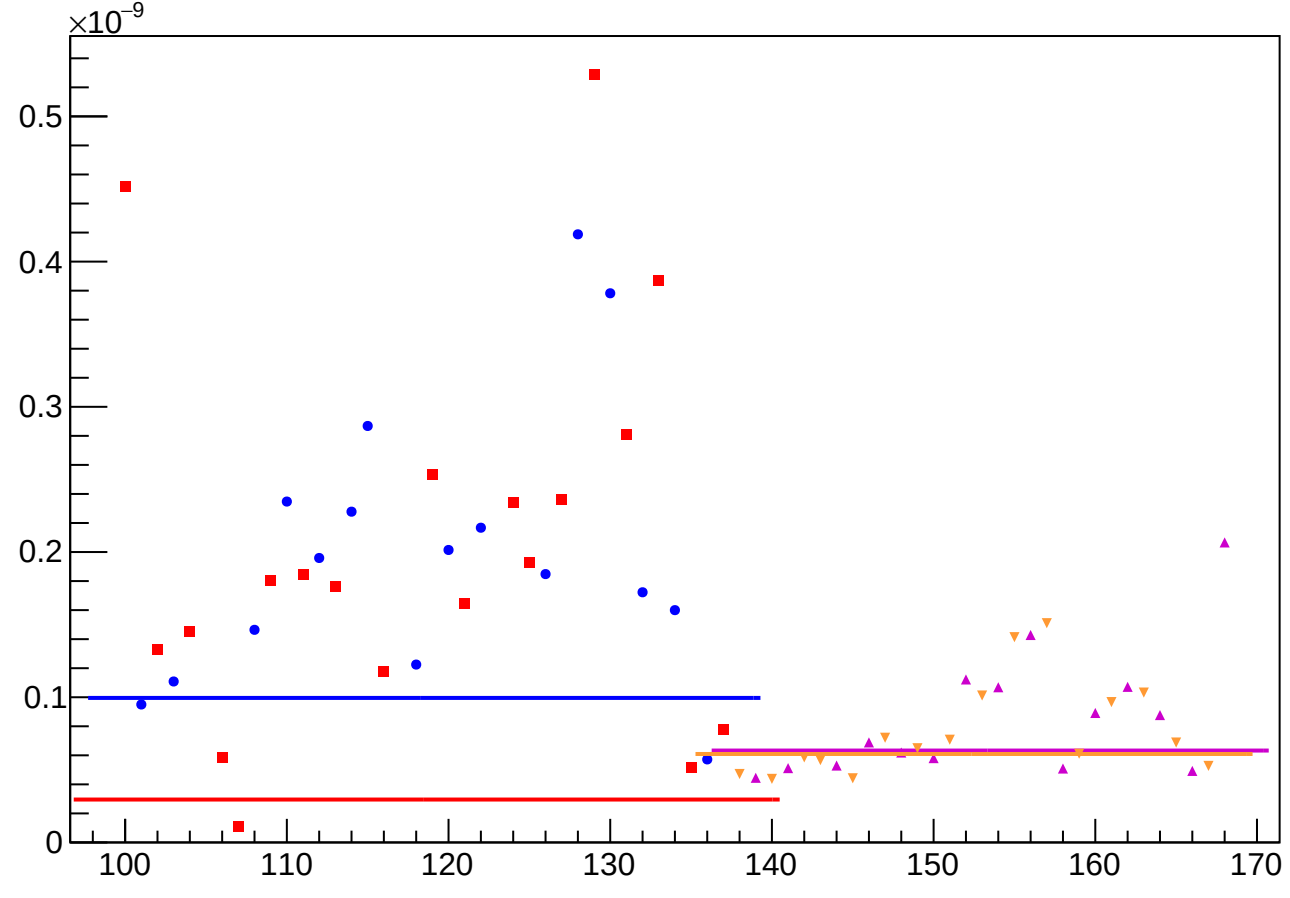
Left: -0.000+/-0.000 χ^2/NDF: 34.5/30

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:30.5/30

Out: 0.000+/-0.000 χ^2/NDF:46.8/34

All: 0.000+/-0.000 χ^2/NDF: 77.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1072089.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1230998.5/14

Left: 0.000+/-0.000 χ^2/NDF: 2309259.5/30

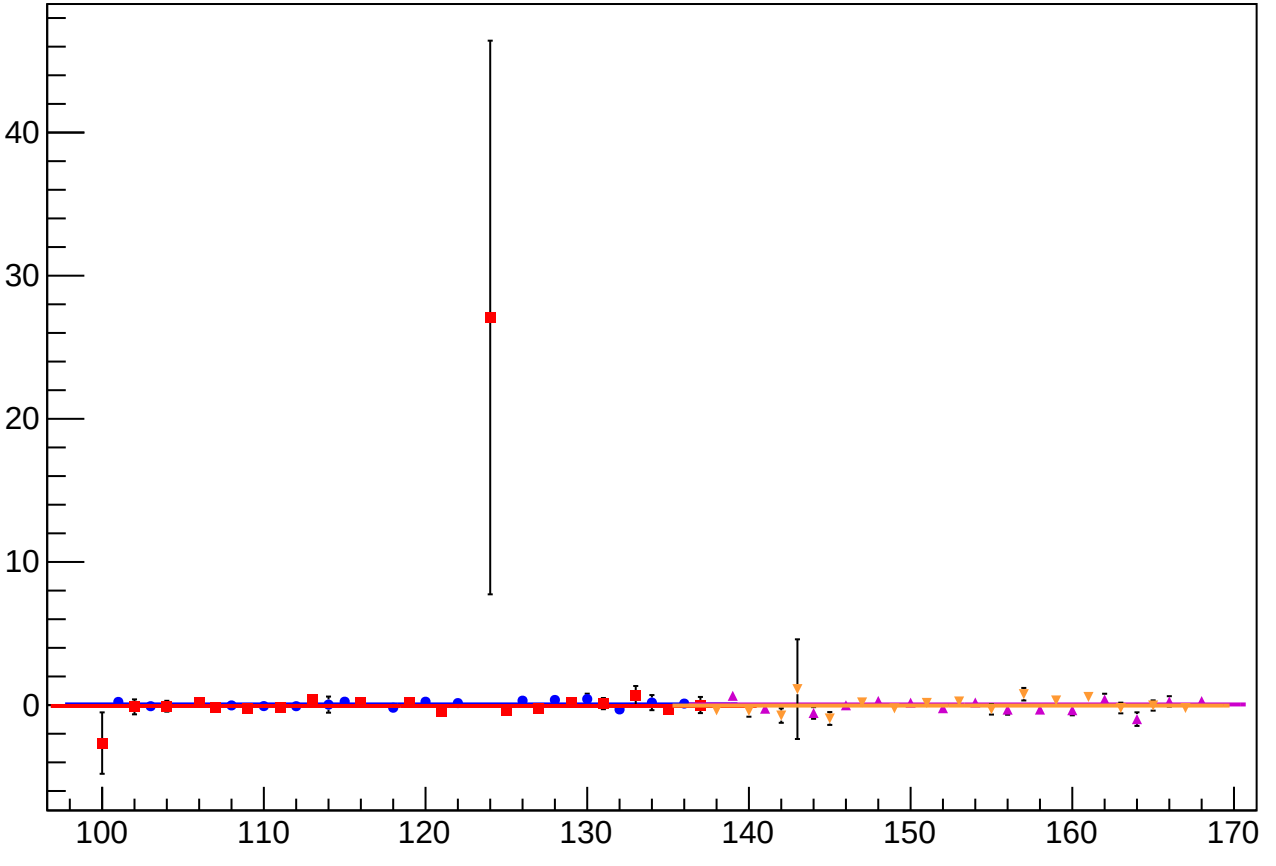
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3263083.2/30

Out: 0.000+/-0.000 χ^2/NDF:6443610.7/34

All: 0.000+/-0.000 χ^2/NDF: 10477478.0/65

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: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.046+/-0.082 χ^2/NDF:21.3/14

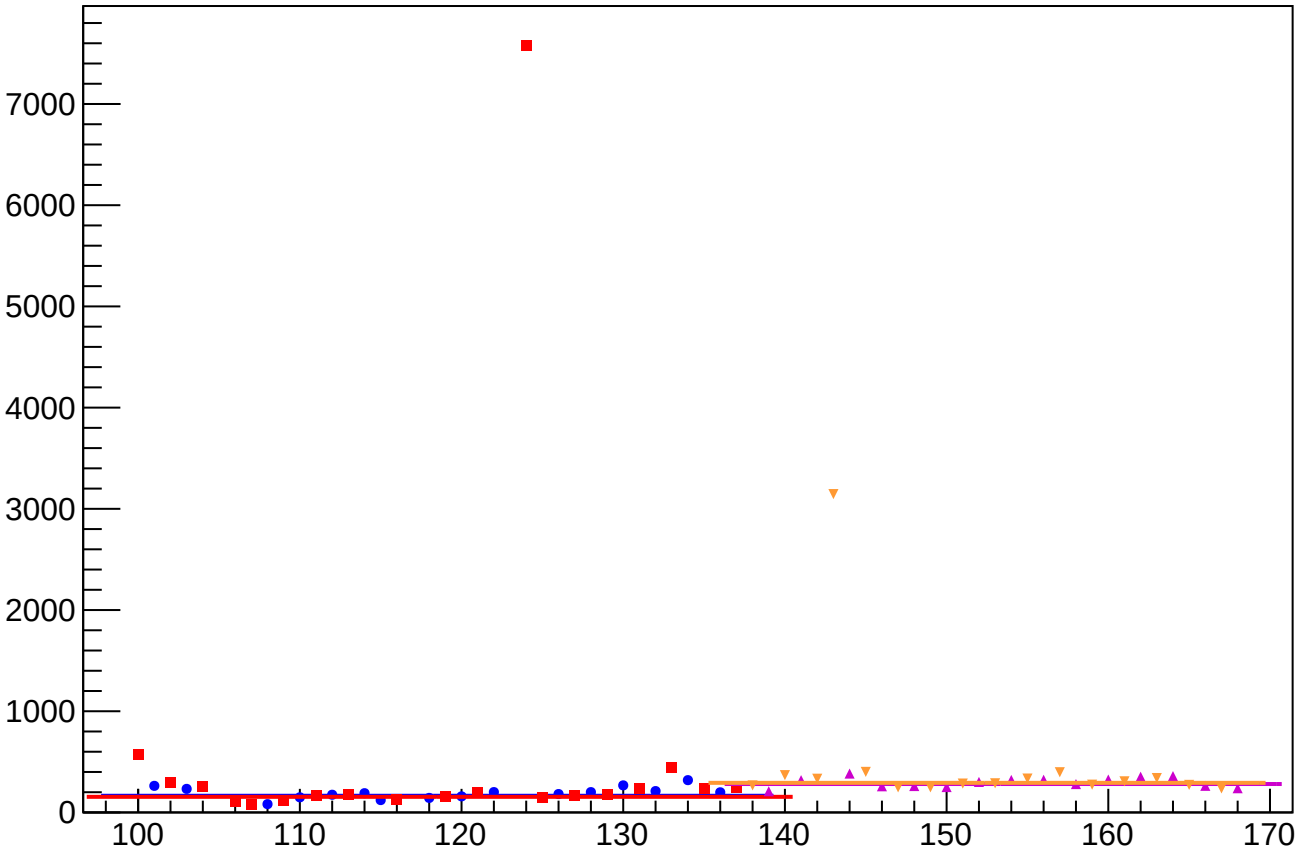
Left: 0.008+/-0.059 χ^2/NDF: 40.9/30

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.047+/-0.052 χ^2/NDF:28.9/30

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.002+/-0.037 χ^2/NDF: 68.3/65



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 292.607+/-0.061 χ^2/NDF:1939410.0/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.992+/-0.058 χ^2/NDF:649779.3/14

Left: 286.481+/-0.042 χ^2/NDF: 2608193.8/30

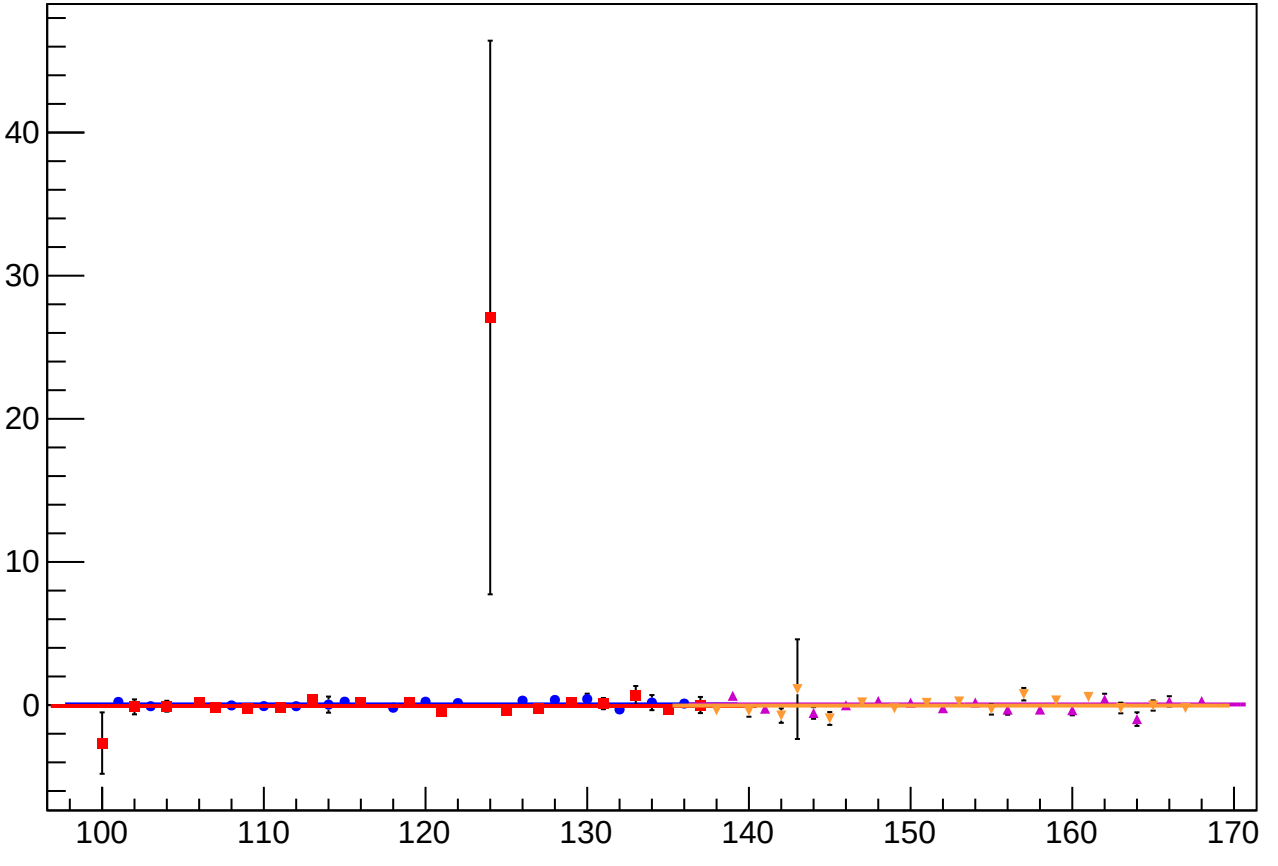
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 210.921+/-0.036 χ^2/NDF:4550353.0/30

Out: 203.655+/-0.037 χ^2/NDF:7144268.5/34

All: 207.294+/-0.026 χ^2/NDF: 11714428.3/65

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: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.046+/-0.082 χ^2/NDF:21.3/14

Left: 0.008+/-0.059 χ^2/NDF: 40.9/30

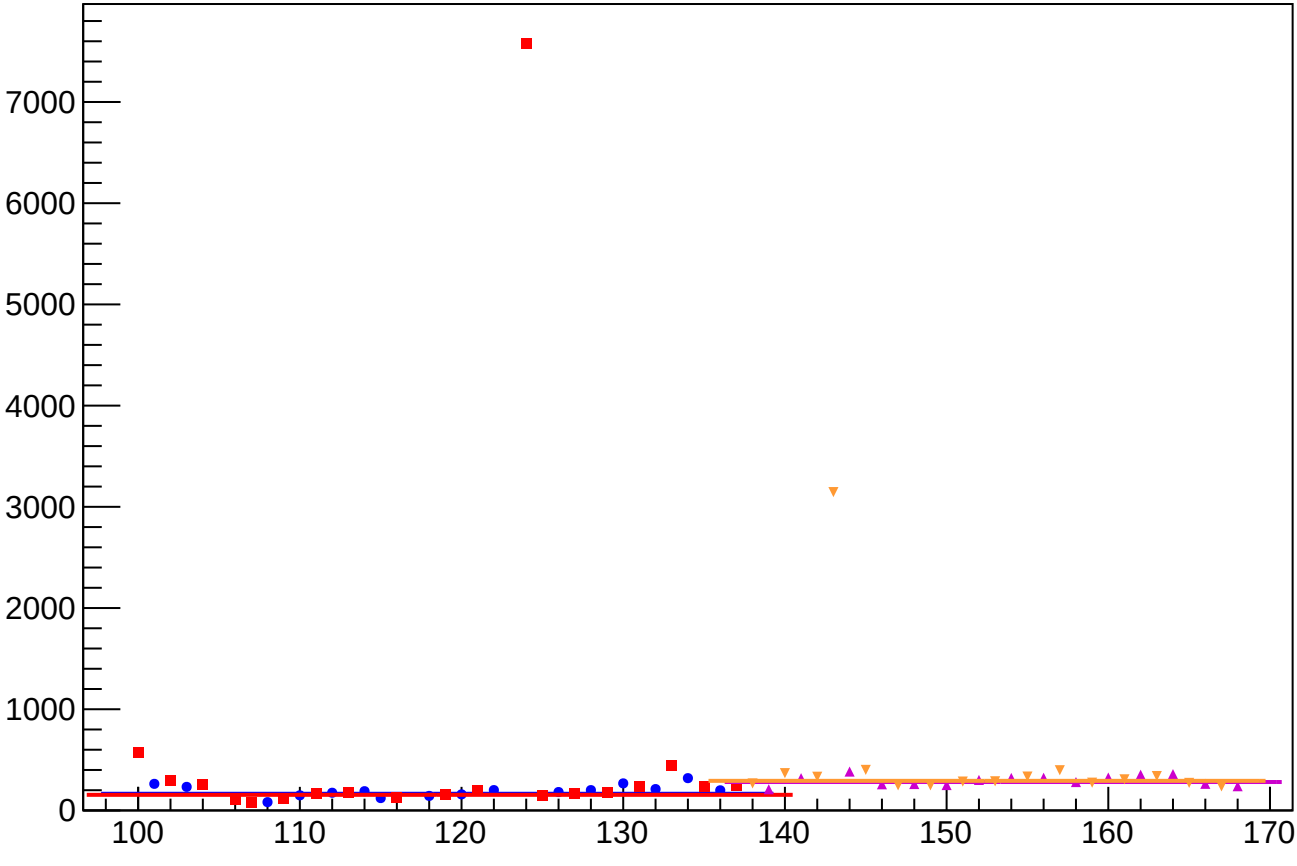
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.047+/-0.052 χ^2/NDF:28.9/30

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.002+/-0.037 χ^2/NDF: 68.3/65

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 292.607+/-0.061 χ^2/NDF:1939410.0/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.992+/-0.058 χ^2/NDF:649779.3/14

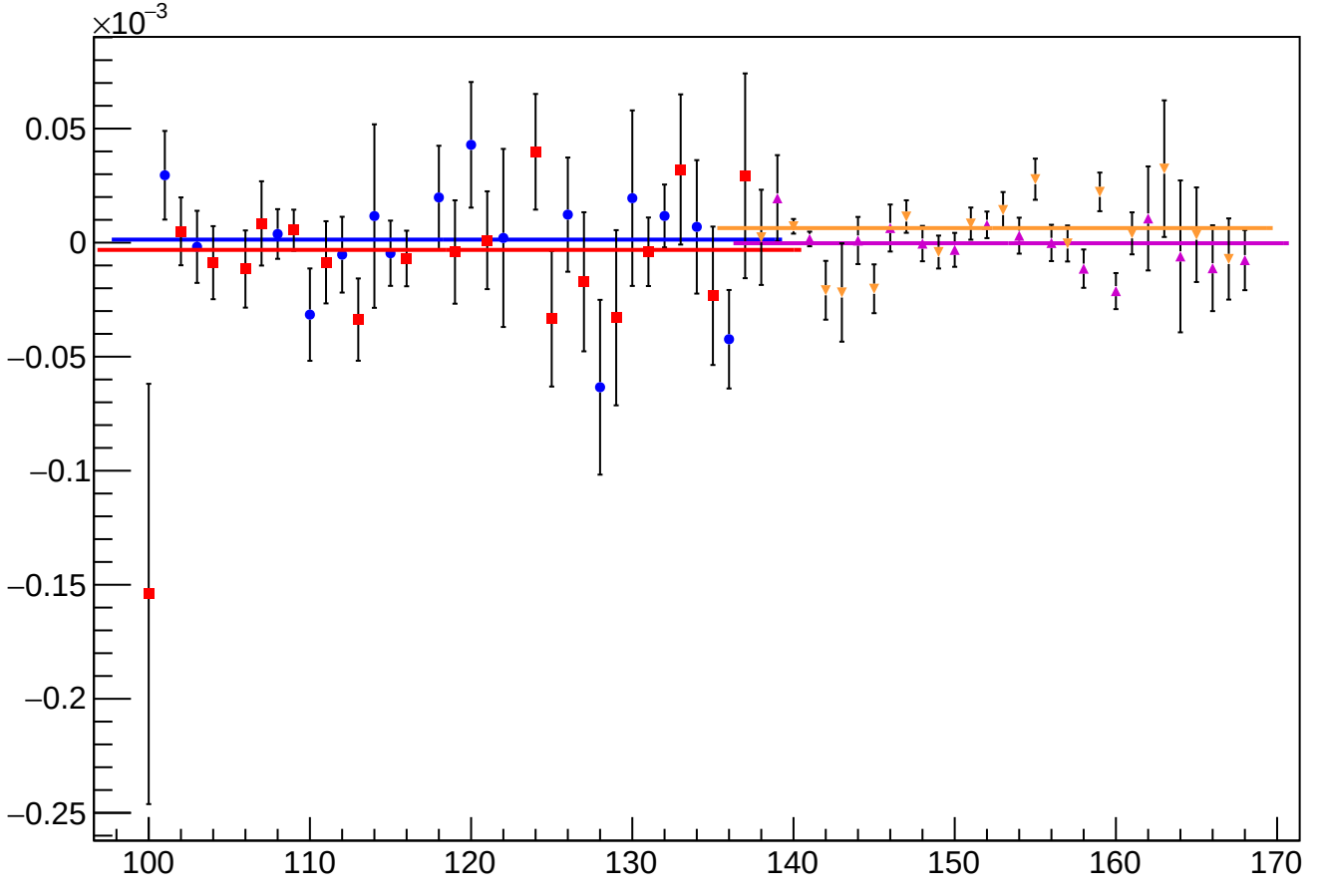
Left: 286.481+/-0.042 χ^2/NDF: 2608193.8/30

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 210.921+/-0.036 χ^2/NDF:4550353.0/30

Out: 203.655+/-0.037 χ^2/NDF:7144268.5/34

All: 207.294+/-0.026 χ^2/NDF: 11714428.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/14

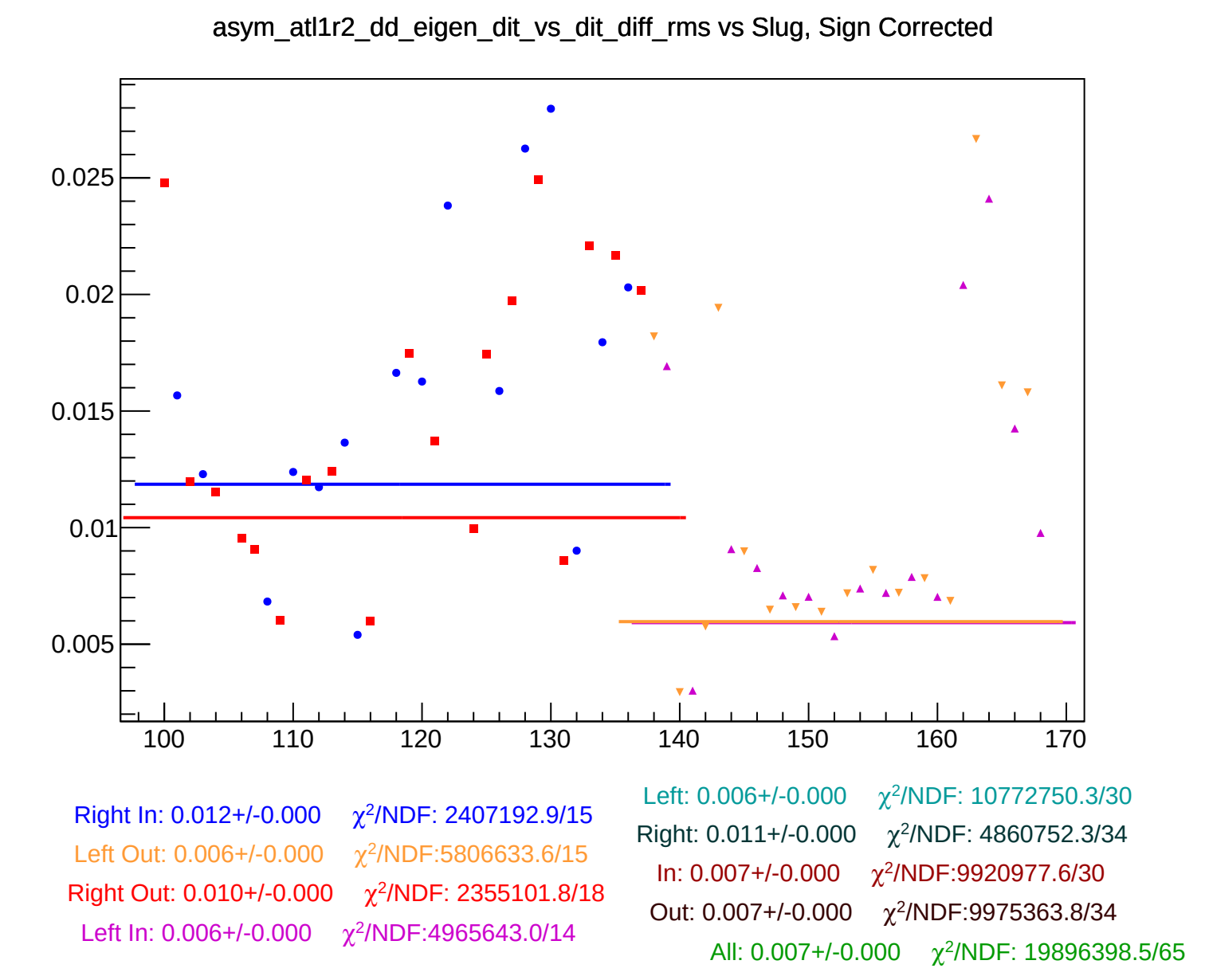
Left: 0.000+/-0.000 χ^2/NDF: 46.9/30

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

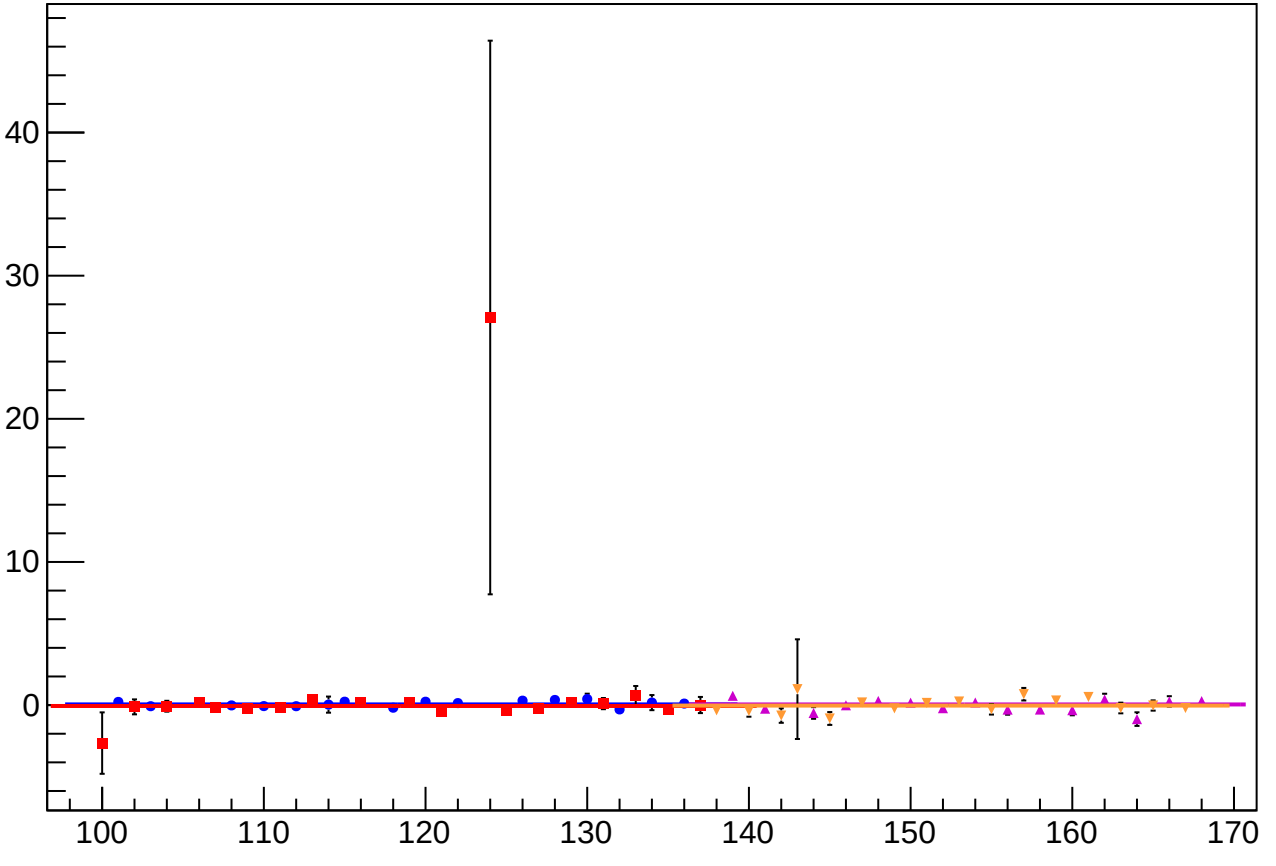
In: -0.000+/-0.000 χ^2/NDF:30.0/30

Out: 0.000+/-0.000 χ^2/NDF:46.2/34

All: 0.000+/-0.000 χ^2/NDF: 79.6/65


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:5806633.6/15
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:4965643.0/14
Left: 0.006+/-0.000 χ²/NDF: 10772750.3/30
Right: 0.011+/-0.000 χ²/NDF: 4860752.3/34
In: 0.007+/-0.000 χ²/NDF:9920977.6/30
Out: 0.007+/-0.000 χ²/NDF:9975363.8/34
All: 0.007+/-0.000 χ²/NDF: 19896398.5/65

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: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.046+/-0.082 χ^2/NDF:21.3/14

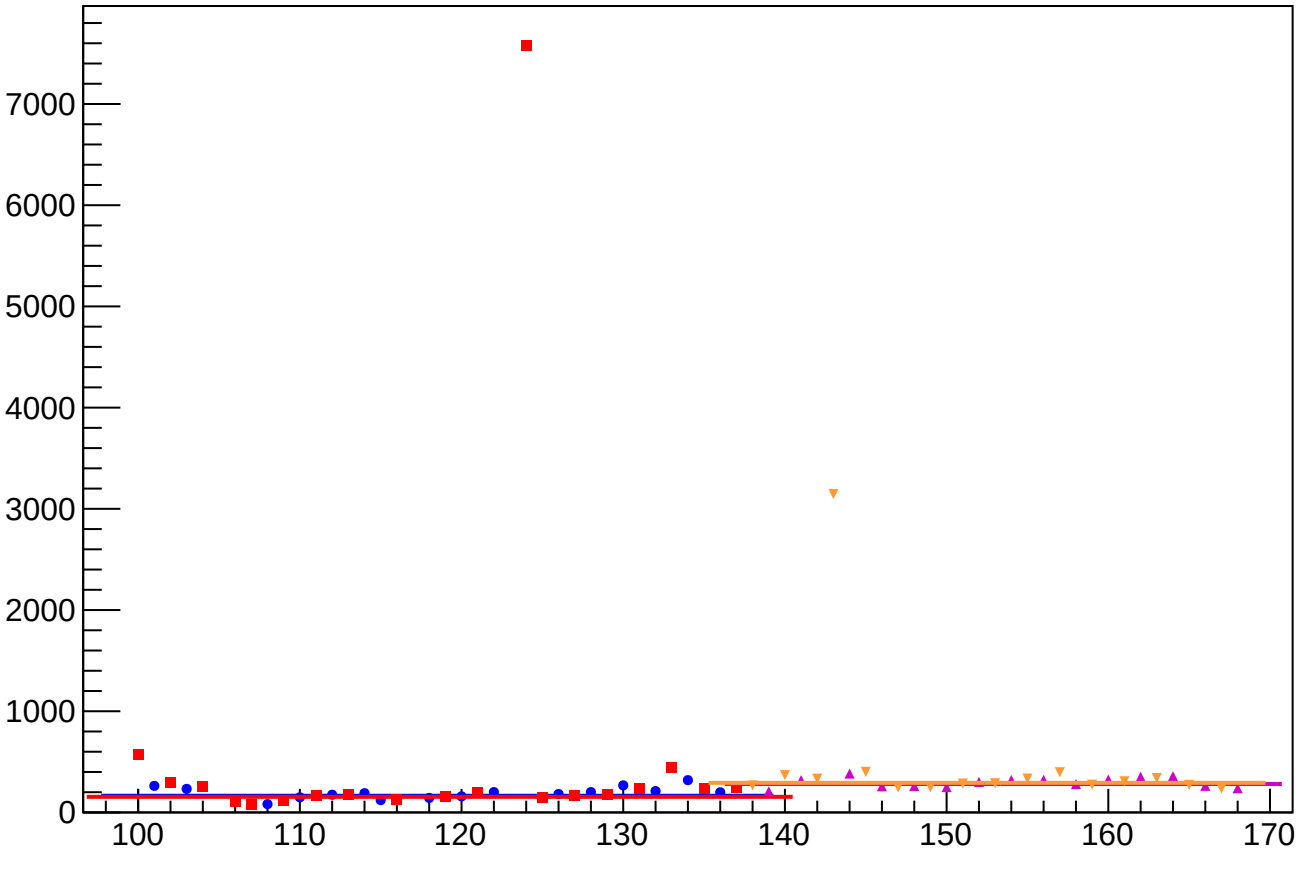
Left: 0.008+/-0.059 χ^2/NDF: 40.9/30

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.047+/-0.052 χ^2/NDF:28.9/30

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.002+/-0.037 χ^2/NDF: 68.4/65



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 292.612+/-0.061 χ^2/NDF:1939395.4/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.997+/-0.058 χ^2/NDF:649759.4/14

Left: 286.485+/-0.042 χ^2/NDF: 2608158.6/30

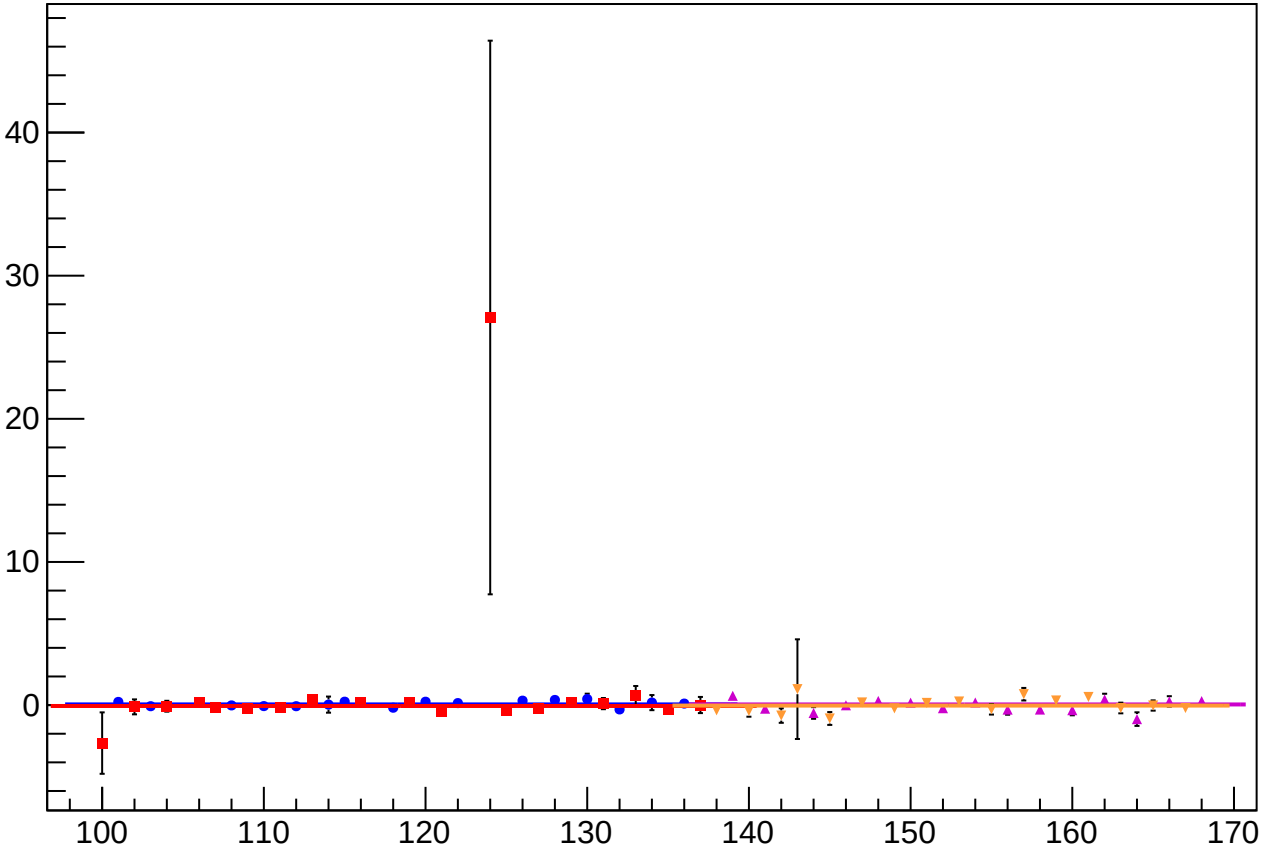
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 210.921+/-0.036 χ^2/NDF:4550462.9/30

Out: 203.656+/-0.037 χ^2/NDF:7144443.5/34

All: 207.294+/-0.026 χ^2/NDF: 11714714.1/65

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: -0.033+/-0.087 χ^2/NDF:19.2/15

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.046+/-0.082 χ^2/NDF:21.3/14

Left: 0.008+/-0.059 χ^2/NDF: 40.9/30

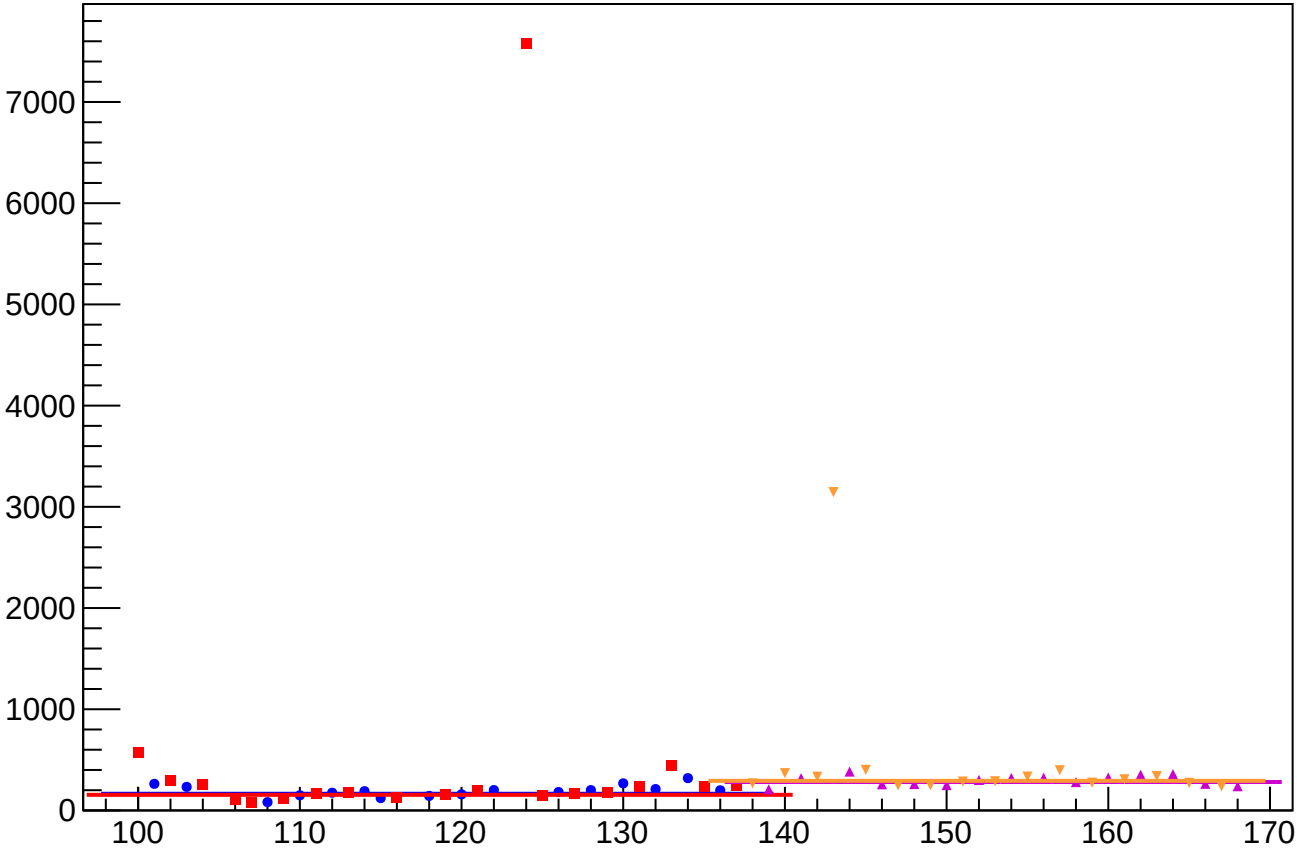
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.047+/-0.052 χ^2/NDF:28.9/30

Out: -0.051+/-0.052 χ^2/NDF:37.6/34

All: -0.002+/-0.037 χ^2/NDF: 68.4/65

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: 292.612+/-0.061 χ^2/NDF:1939395.4/15

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.997+/-0.058 χ^2/NDF:649759.4/14

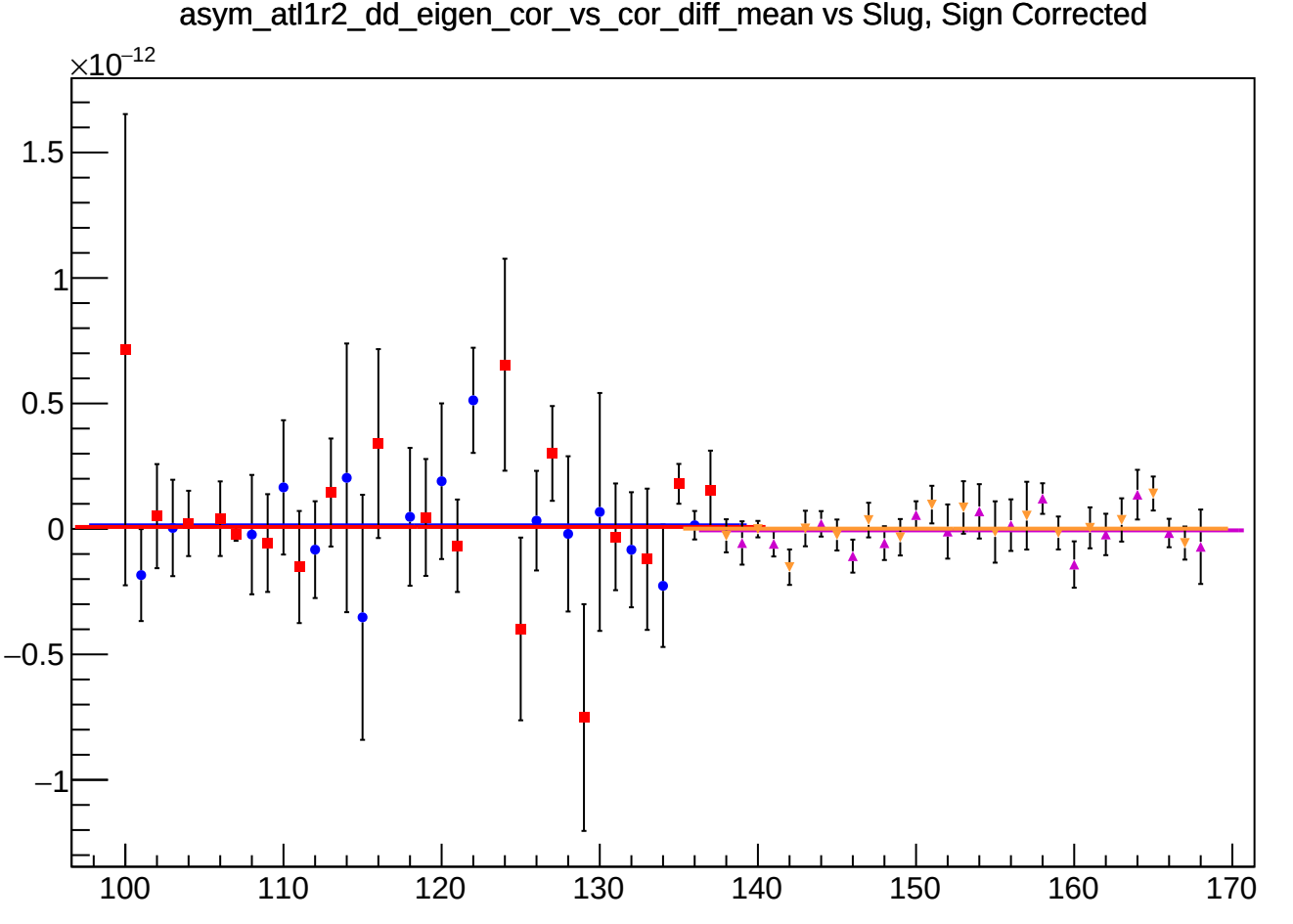
Left: 286.485+/-0.042 χ^2/NDF: 2608158.6/30

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 210.921+/-0.036 χ^2/NDF:4550462.9/30

Out: 203.656+/-0.037 χ^2/NDF:7144443.5/34

All: 207.294+/-0.026 χ^2/NDF: 11714714.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/14

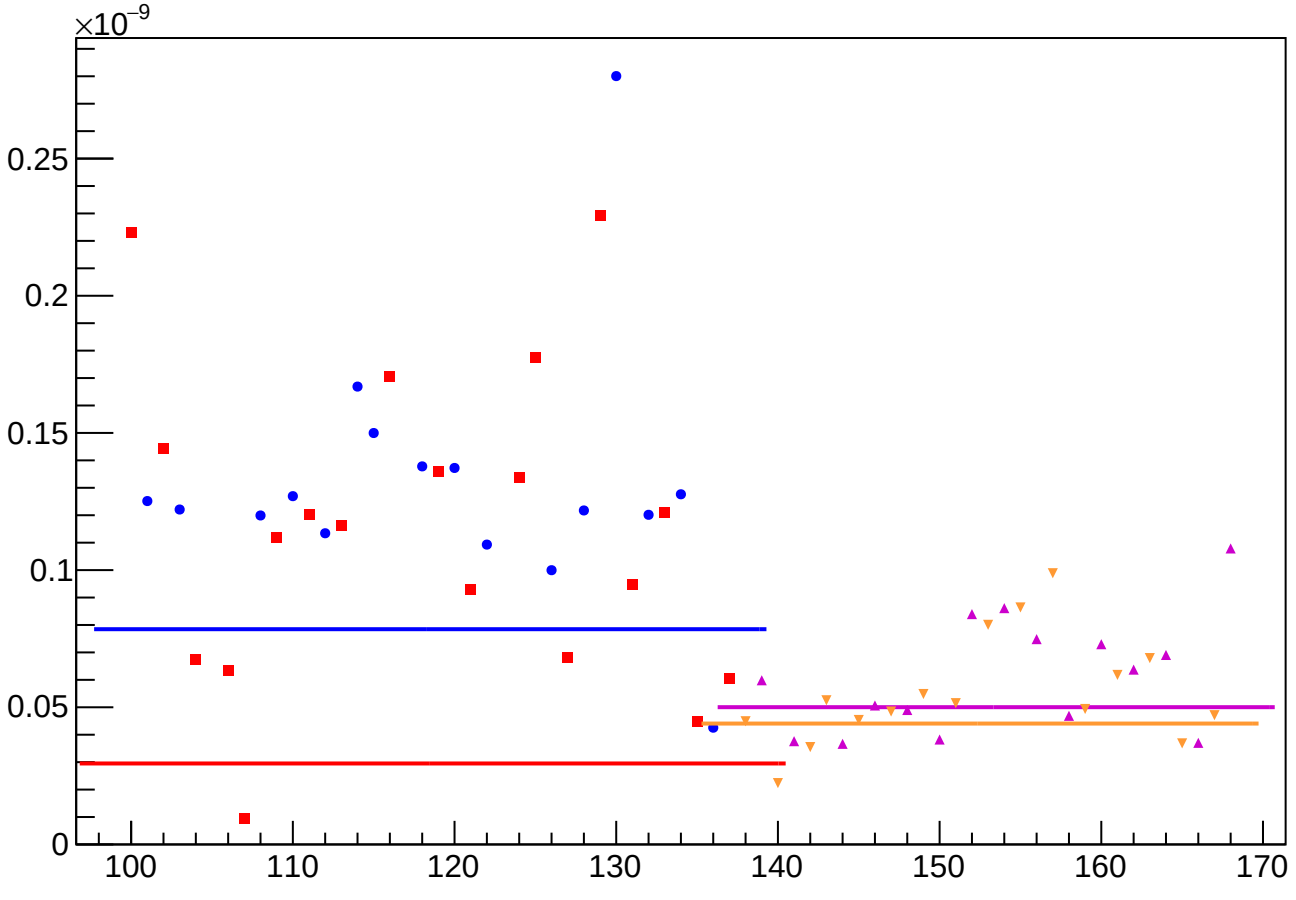
Left: -0.000+/-0.000 χ^2/NDF: 28.7/30

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:25.2/30

Out: 0.000+/-0.000 χ^2/NDF:31.7/34

All: 0.000+/-0.000 χ^2/NDF: 56.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2099011.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1580914.5/14

Left: 0.000+/-0.000 χ^2/NDF: 3795283.7/30

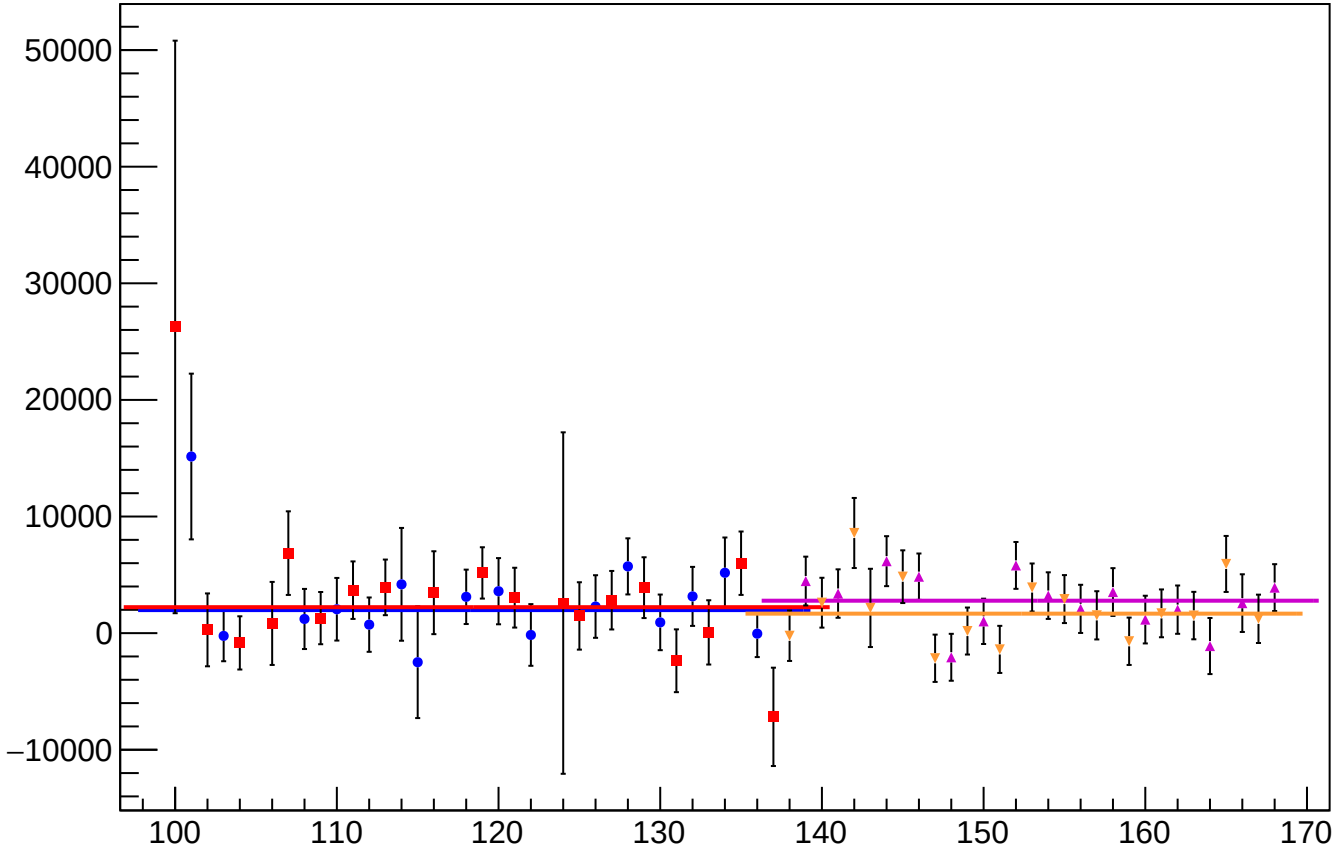
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4440233.5/30

Out: 0.000+/-0.000 χ^2/NDF:8111752.3/34

All: 0.000+/-0.000 χ^2/NDF: 13582622.7/65

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.957+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2781.417+/-536.823 χ^2/NDF:17.2/14

Left: 2232.072+/-381.598 χ^2/NDF: 40.1/30

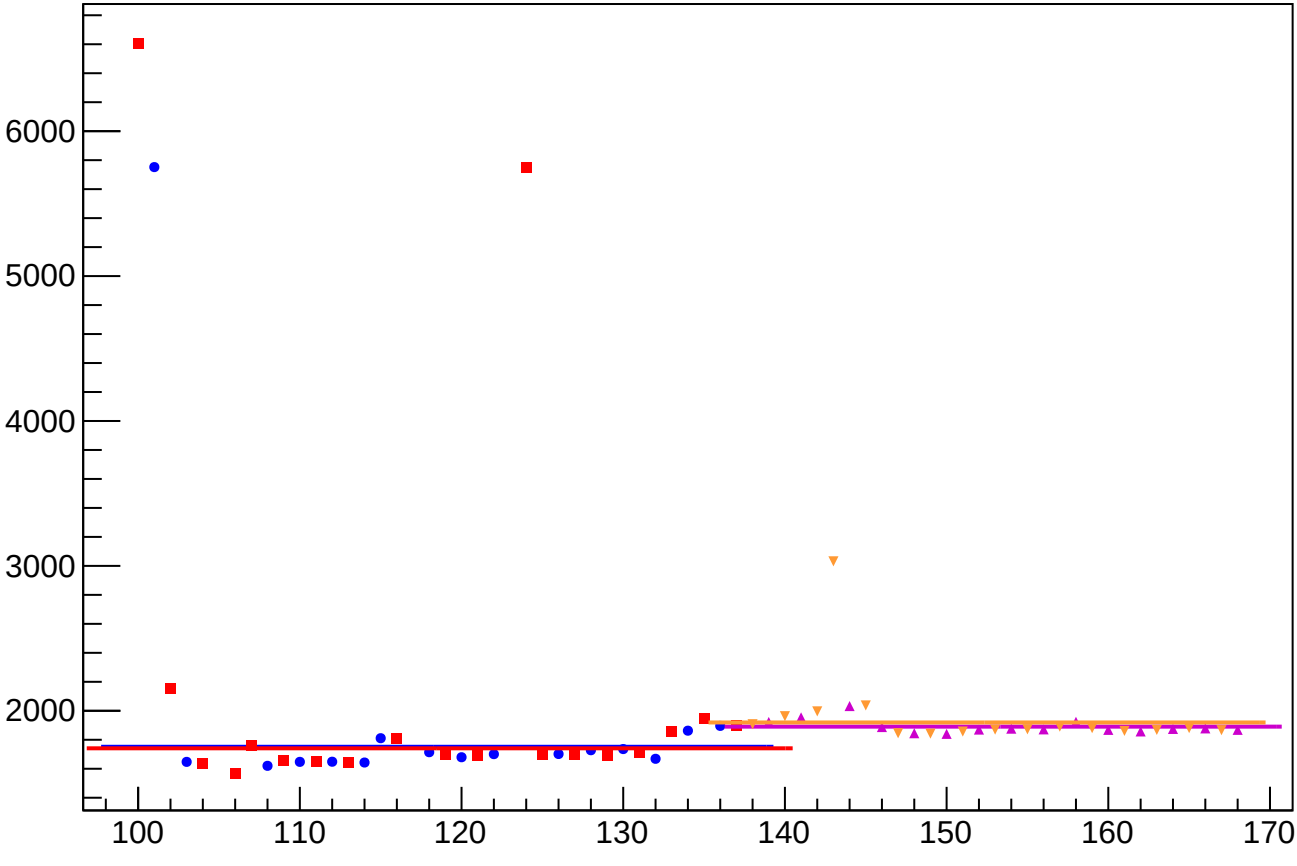
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2465.322+/-418.376 χ^2/NDF:30.2/30

Out: 1896.356+/-418.157 χ^2/NDF:40.2/34

All: 2180.691+/-295.759 χ^2/NDF: 71.3/65

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

Left: 1904.913+/-0.270 χ^2/NDF: 261296.4/30

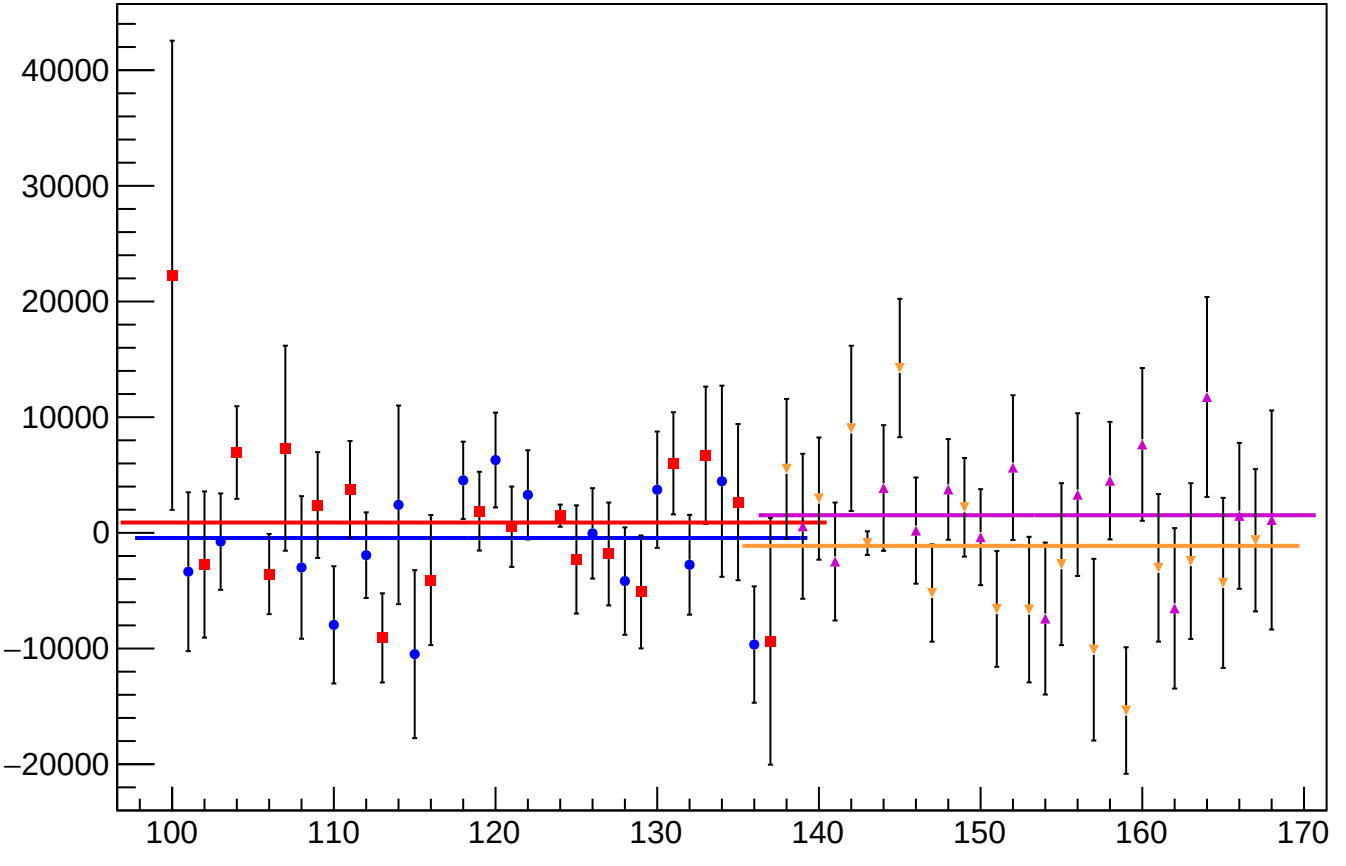
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1836.052+/-0.296 χ^2/NDF:738919.5/30

Out: 1846.417+/-0.295 χ^2/NDF:636094.5/34

All: 1841.253+/-0.209 χ^2/NDF: 1375629.8/65

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1122.367+/-843.437 χ^2/NDF:22.4/15

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1524.248+/-1478.835 χ^2/NDF:7.7/14

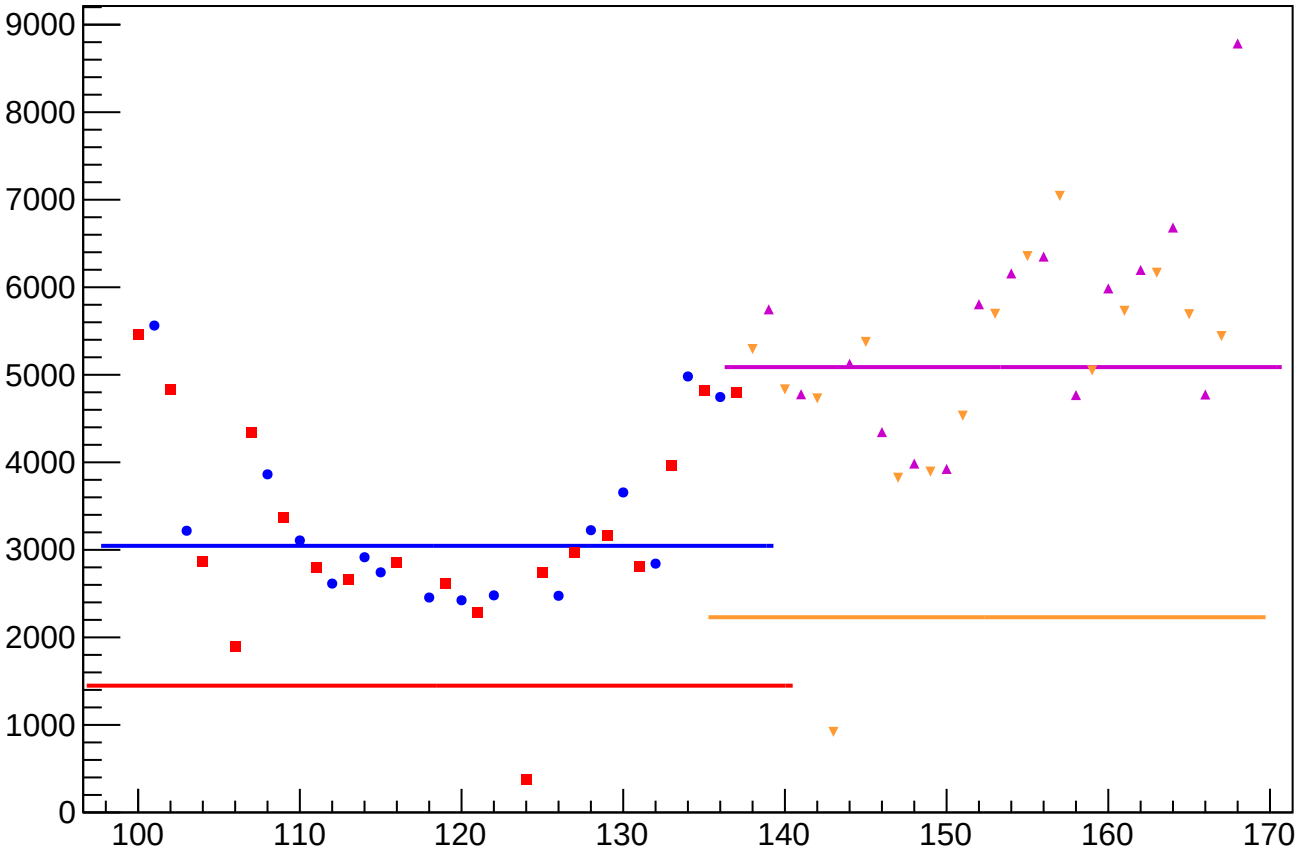
Left: -472.765+/-732.652 χ^2/NDF: 32.5/30

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 317.091+/-919.699 χ^2/NDF:24.7/30

Out: 35.201+/-550.120 χ^2/NDF:45.8/34

All: 109.481+/-472.108 χ^2/NDF: 70.6/65



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2230.343+/-0.596 χ^2/NDF:10953391.0/15

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5087.858+/-1.046 χ^2/NDF:985353.3/14

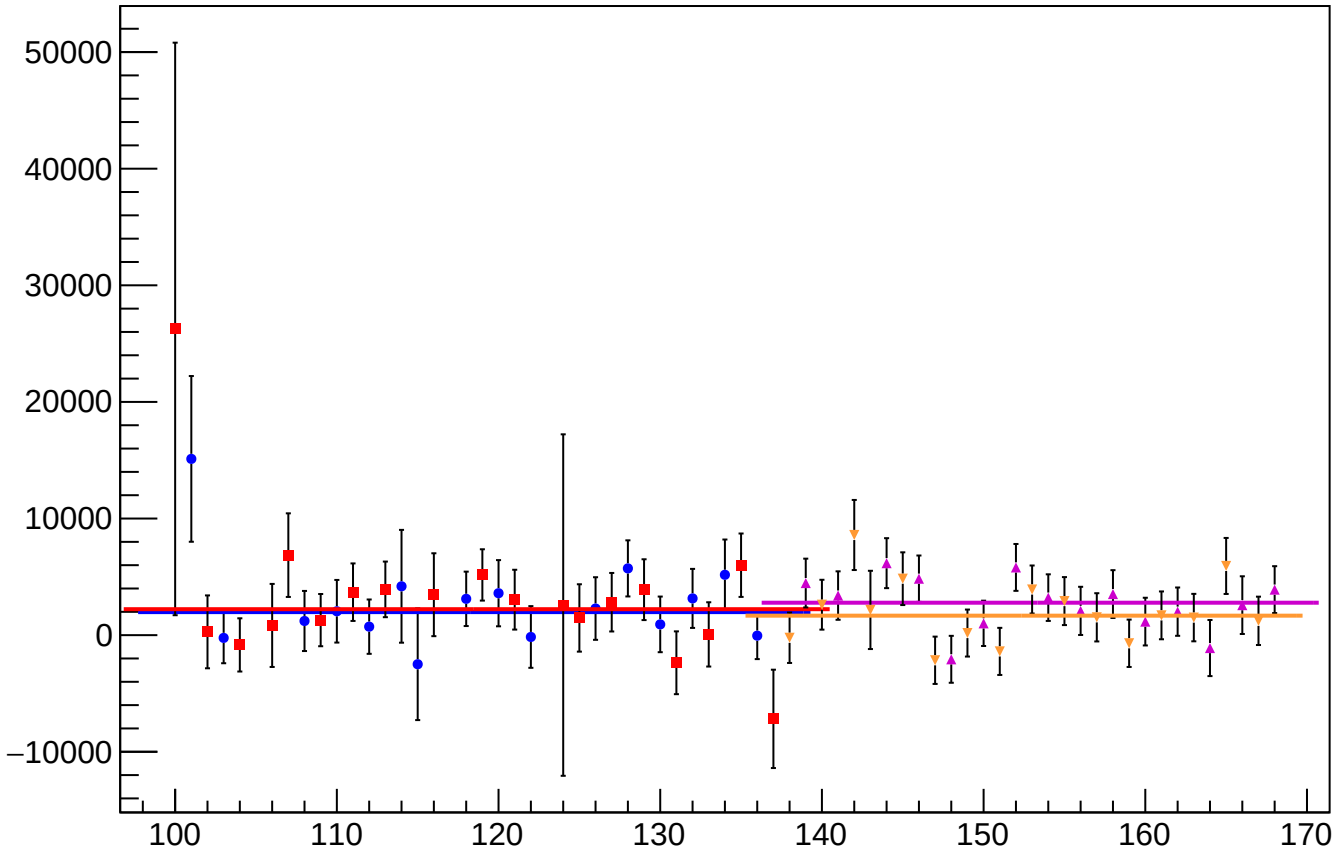
Left: 2931.709+/-0.518 χ^2/NDF: 17573278.4/30

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3835.678+/-0.650 χ^2/NDF:4231040.7/30

Out: 1781.116+/-0.389 χ^2/NDF:18727729.7/34

All: 2322.508+/-0.334 χ^2/NDF: 30309752.6/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2781.507+/-536.823 χ^2/NDF:17.2/14

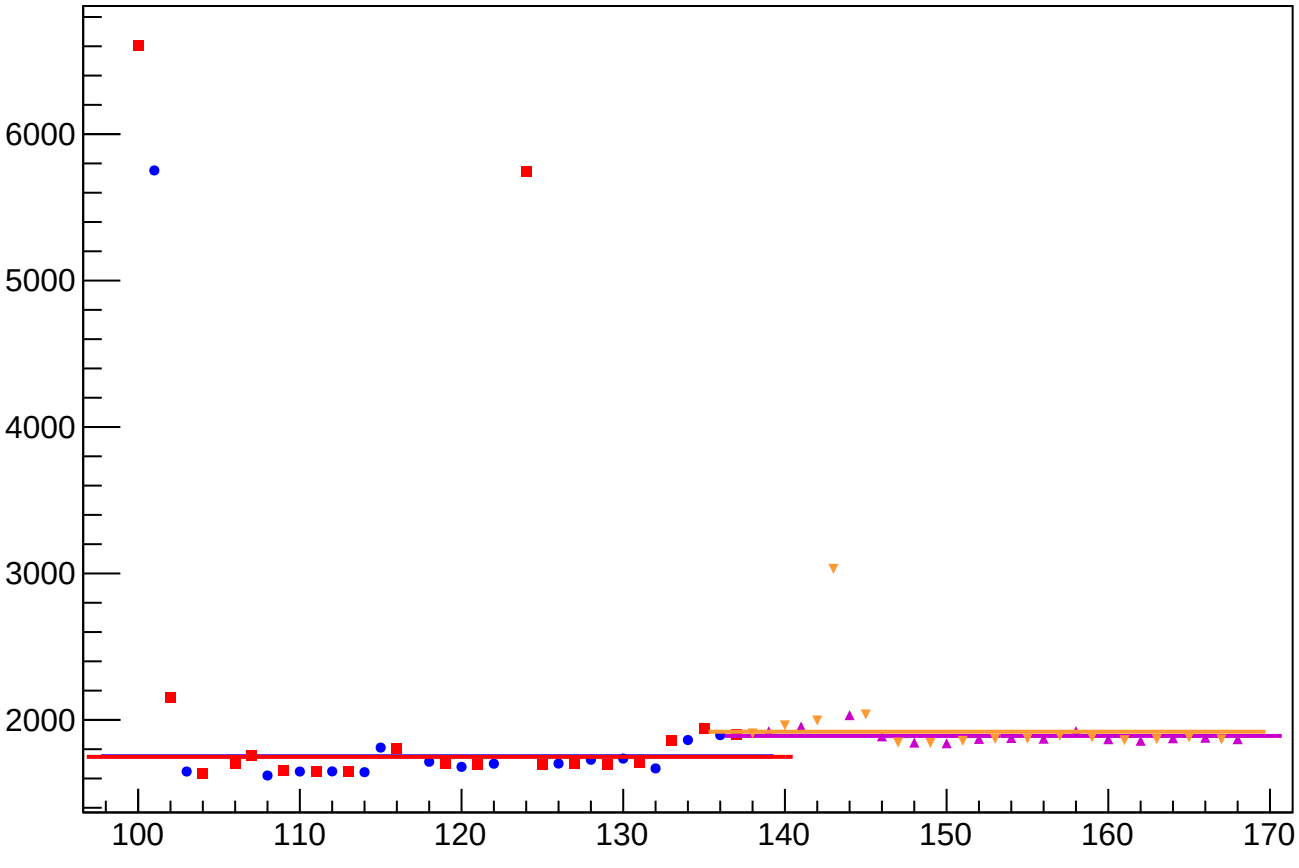
Left: 2232.133+/-381.598 χ^2/NDF: 40.1/30

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2465.239+/-418.376 χ^2/NDF:30.2/30

Out: 1896.414+/-418.157 χ^2/NDF:40.2/34

All: 2180.678+/-295.759 χ^2/NDF: 71.3/65



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

Left: 1904.913+/-0.270 χ^2/NDF: 261296.4/30

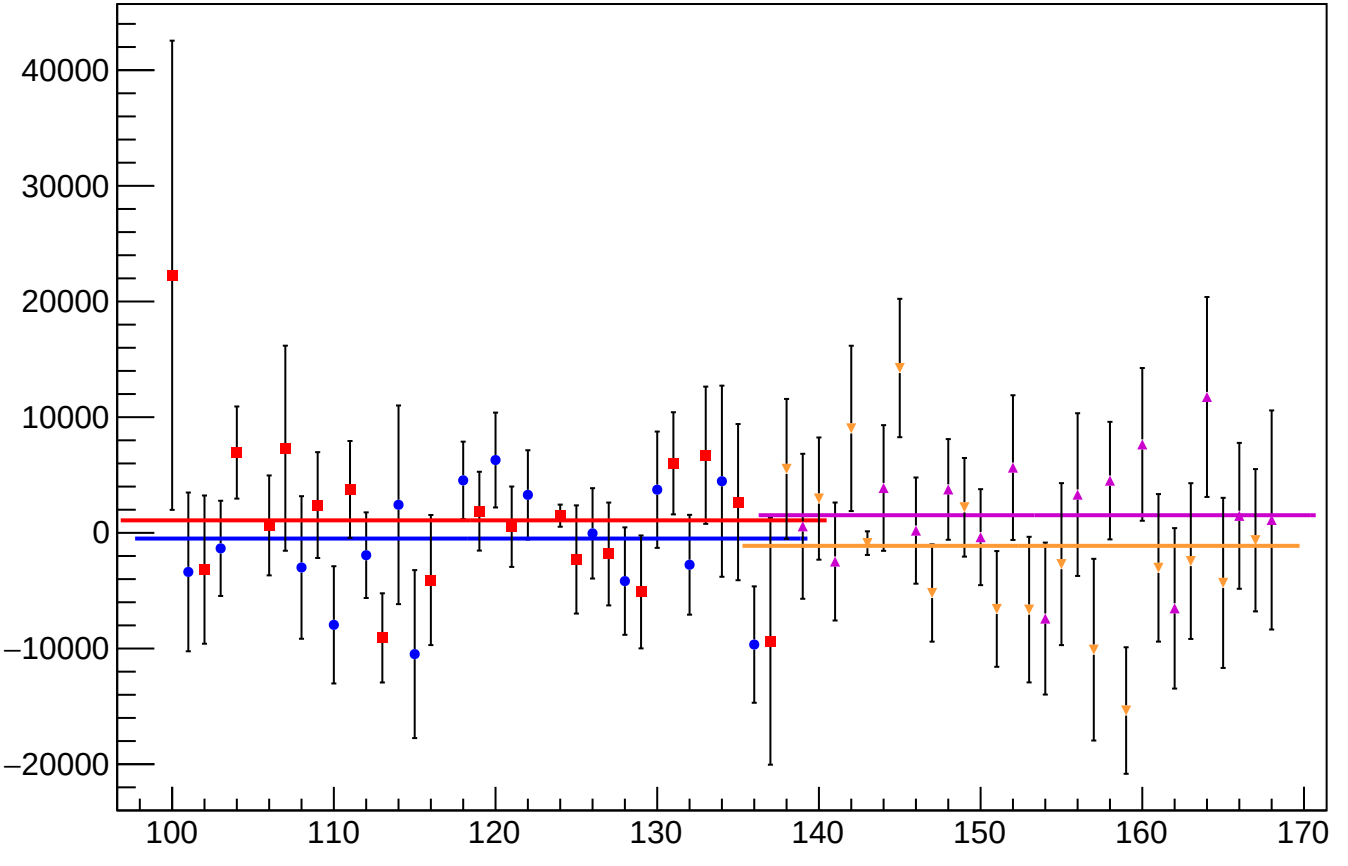
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1836.052+/-0.296 χ^2/NDF:738919.9/30

Out: 1849.476+/-0.295 χ^2/NDF:622444.3/34

All: 1842.778+/-0.209 χ^2/NDF: 1362395.8/65

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1524.316+/-1478.834 χ^2/NDF:7.7/14

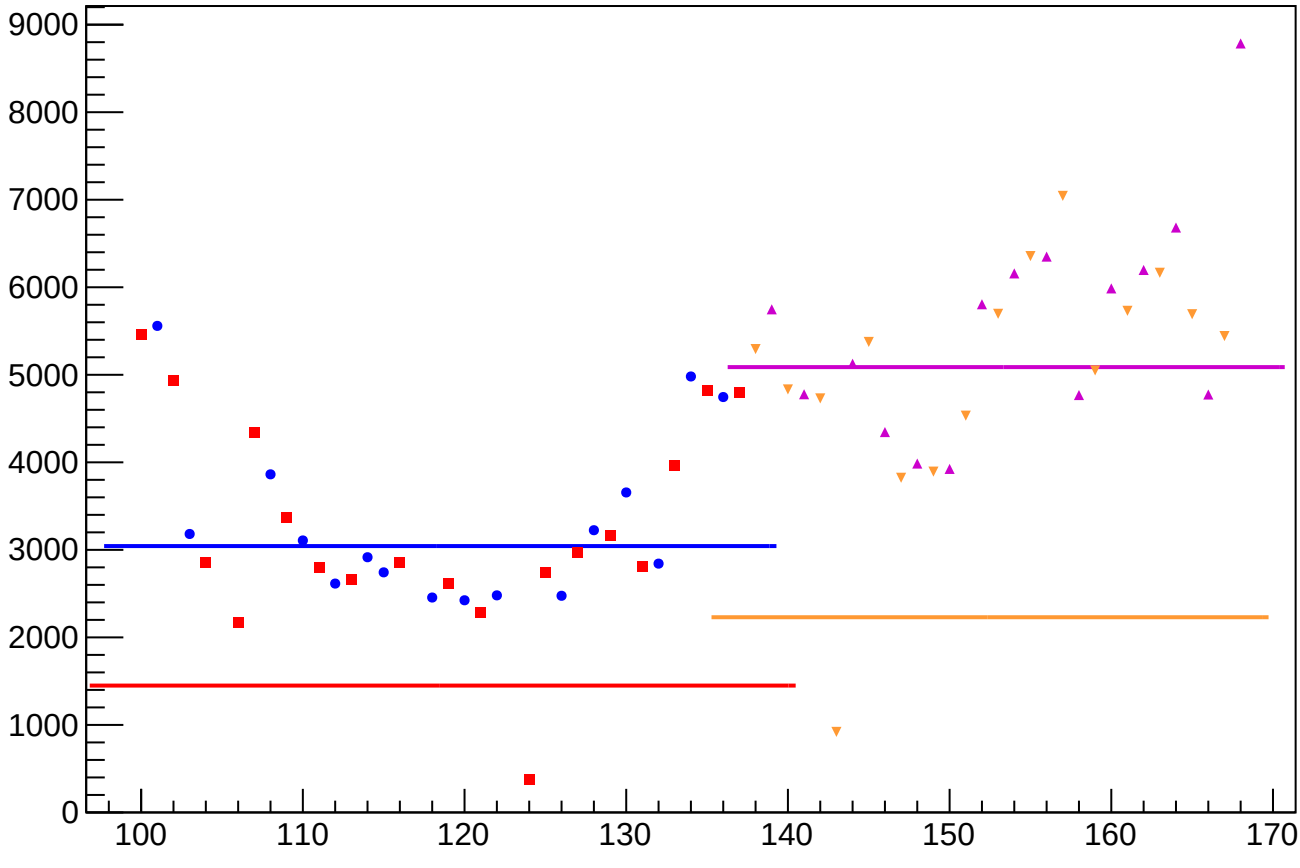
Left: -472.627+/-732.636 χ^2/NDF: 32.5/30

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 286.303+/-919.118 χ^2/NDF:24.8/30

Out: 135.204+/-552.593 χ^2/NDF:44.8/34

All: 175.320+/-473.589 χ^2/NDF: 69.6/65



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5087.855+/-1.046 χ^2/NDF:985353.7/14

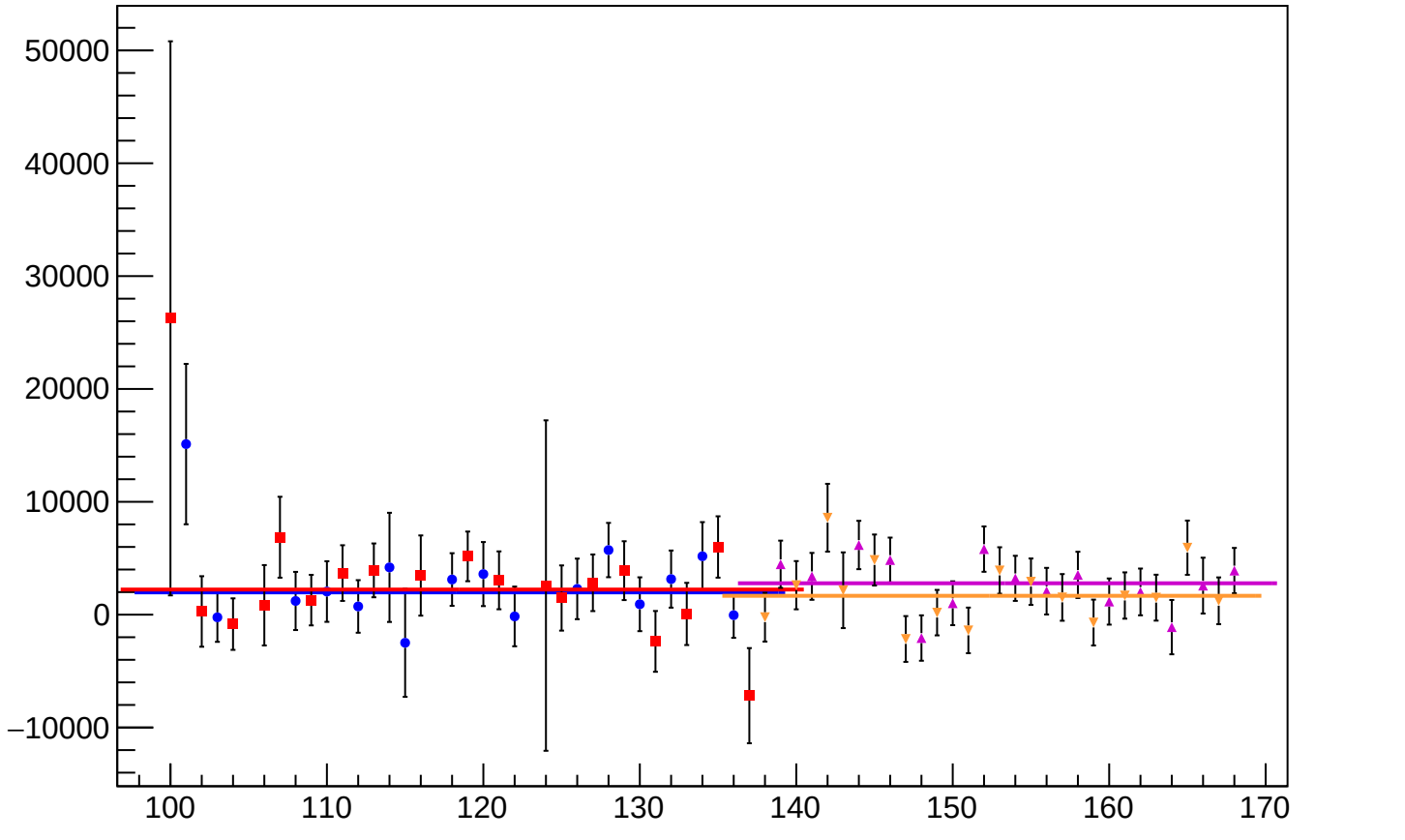
Left: 2931.605+/-0.518 χ^2/NDF: 17574194.4/30

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3833.055+/-0.650 χ^2/NDF:4237246.0/30

Out: 1784.658+/-0.391 χ^2/NDF:18757654.5/34

All: 2328.503+/-0.335 χ^2/NDF: 30291304.1/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1670.989+/-542.544 χ^2/NDF:20.8/15

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2781.507+/-536.823 χ^2/NDF:17.2/14

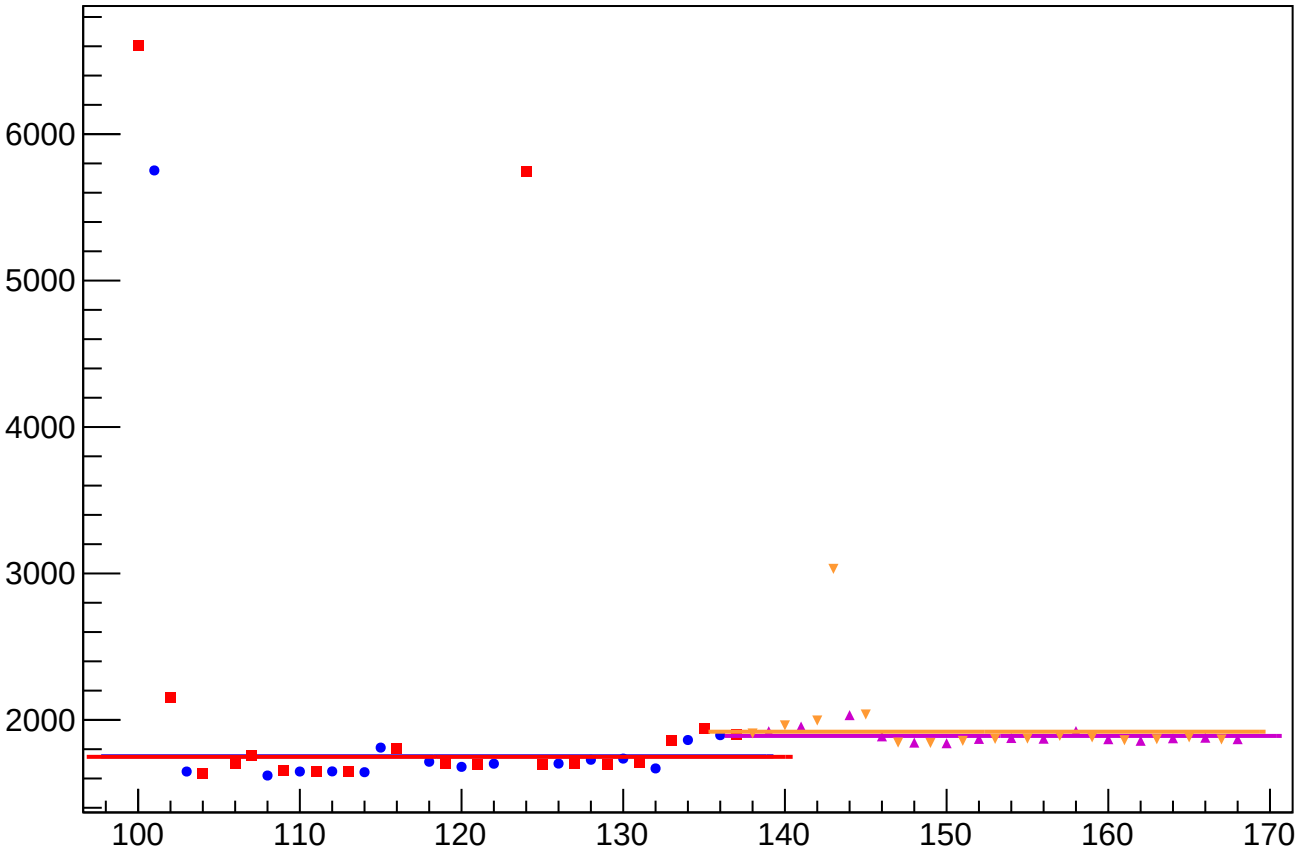
Left: 2232.133+/-381.598 χ^2/NDF: 40.1/30

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2465.239+/-418.376 χ^2/NDF:30.2/30

Out: 1896.414+/-418.157 χ^2/NDF:40.2/34

All: 2180.678+/-295.759 χ^2/NDF: 71.3/65



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1919.495+/-0.384 χ^2/NDF:242836.2/15

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1890.636+/-0.380 χ^2/NDF:15600.9/14

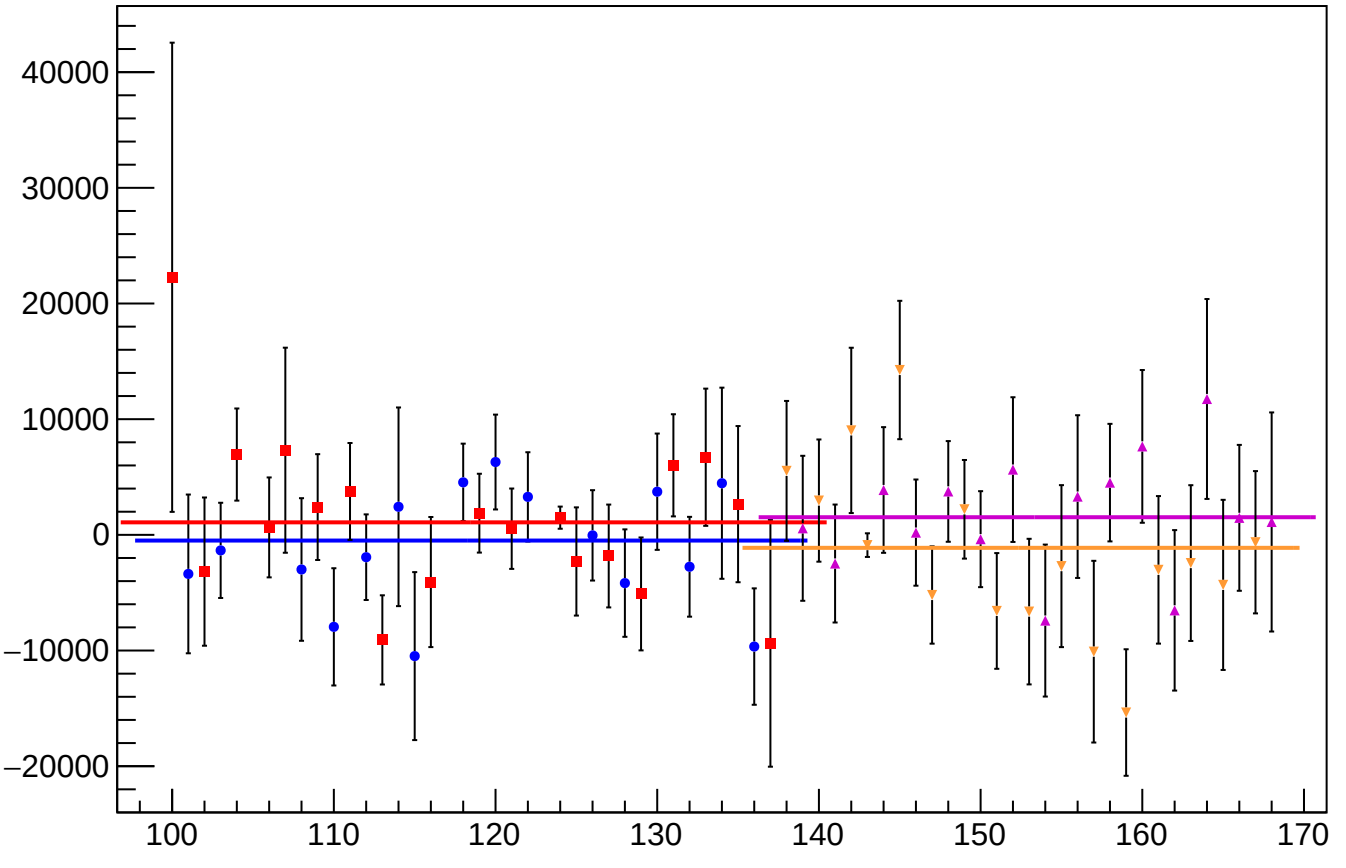
Left: 1904.913+/-0.270 χ^2/NDF: 261296.4/30

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1836.052+/-0.296 χ^2/NDF:738919.9/30

Out: 1849.476+/-0.295 χ^2/NDF:622444.3/34

All: 1842.778+/-0.209 χ^2/NDF: 1362395.8/65



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1122.170+/-843.413 χ^2/NDF:22.4/15

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1524.316+/-1478.834 χ^2/NDF:7.7/14

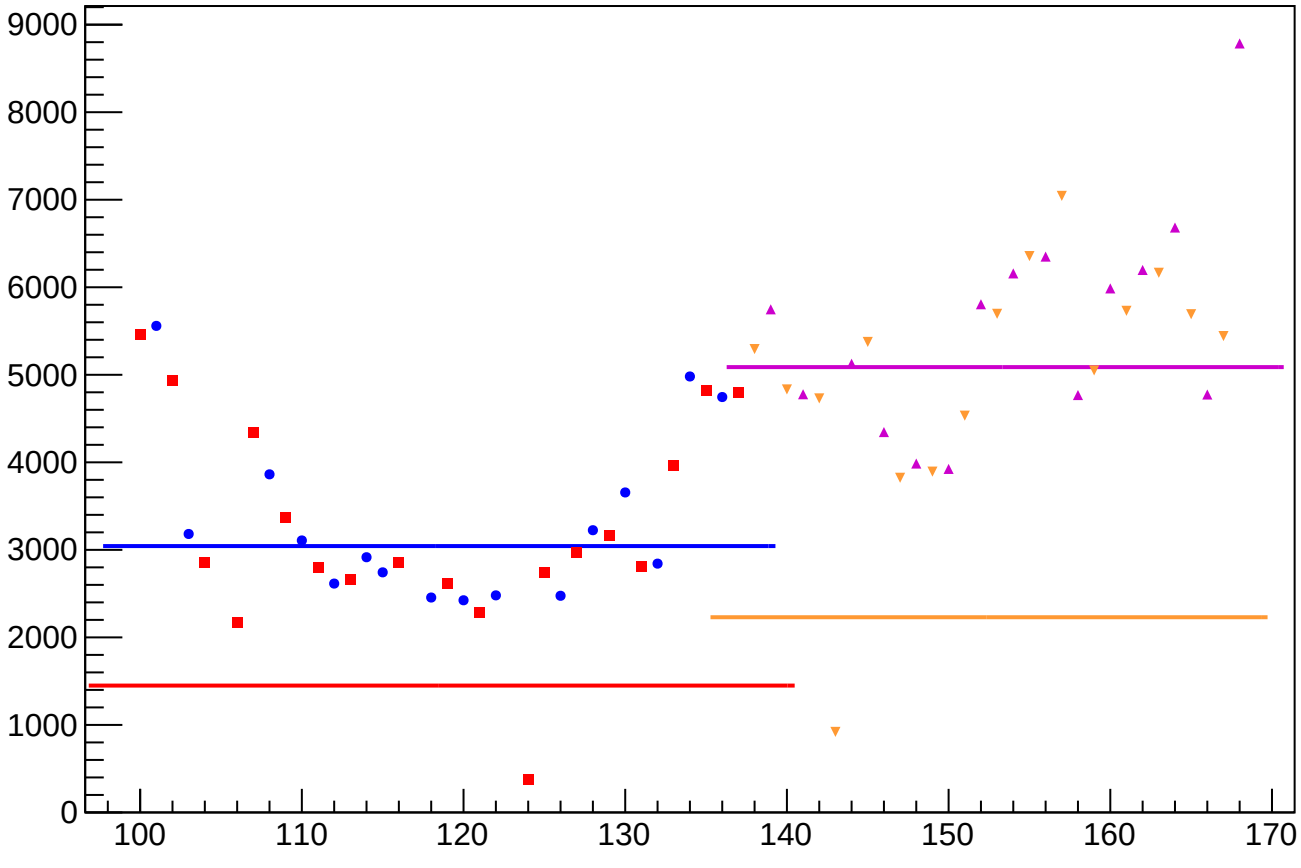
Left: -472.627+/-732.636 χ^2/NDF: 32.5/30

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 286.303+/-919.118 χ^2/NDF:24.8/30

Out: 135.204+/-552.593 χ^2/NDF:44.8/34

All: 175.320+/-473.589 χ^2/NDF: 69.6/65



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2230.244+/-0.596 χ^2/NDF:10953844.5/15

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5087.855+/-1.046 χ^2/NDF:985353.7/14

Left: 2931.605+/-0.518 χ^2/NDF: 17574194.4/30

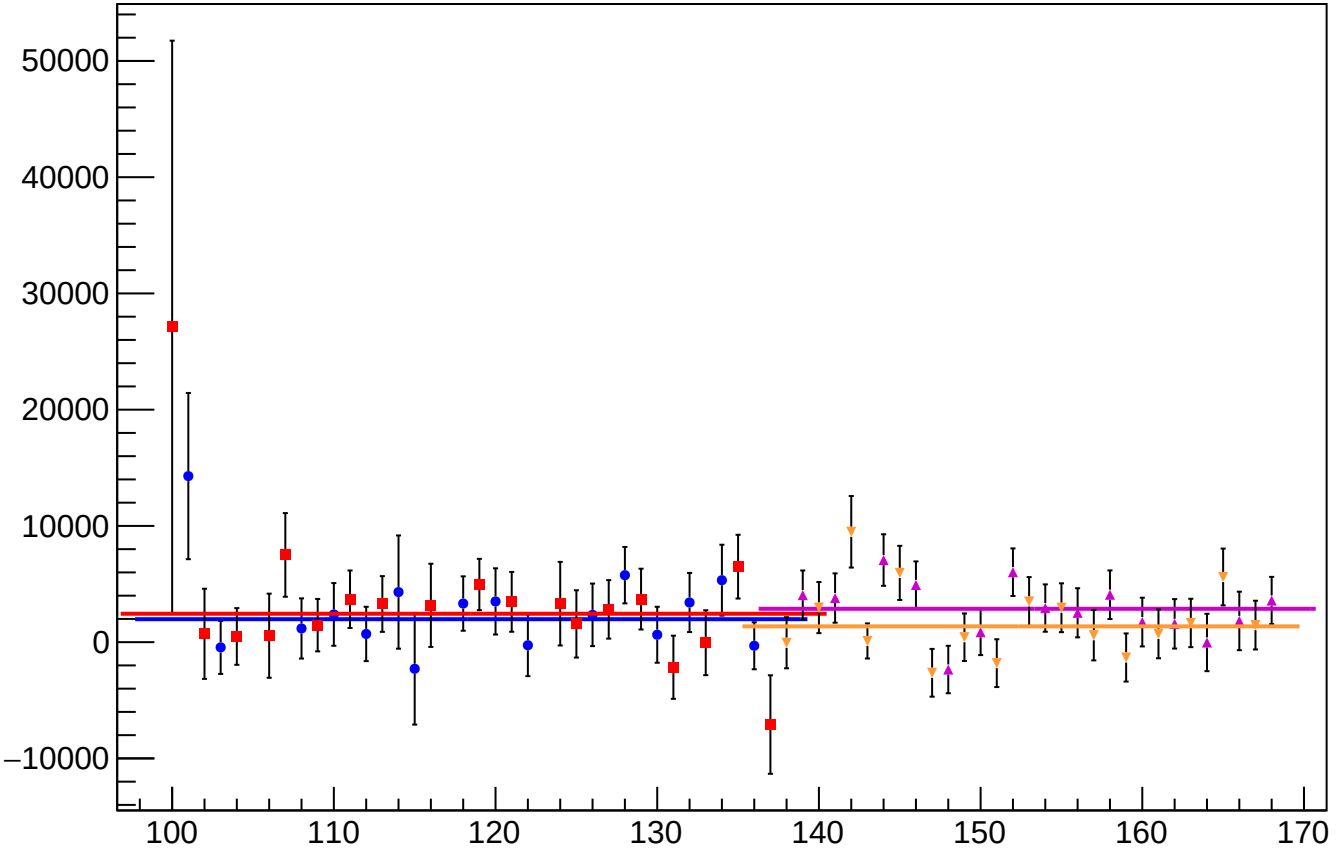
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3833.055+/-0.650 χ^2/NDF:4237246.0/30

Out: 1784.658+/-0.391 χ^2/NDF:18757654.5/34

All: 2328.503+/-0.335 χ^2/NDF: 30291304.1/6

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.854+/-526.462 χ^2/NDF:25.5/15

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2870.774+/-547.604 χ^2/NDF:17.8/14

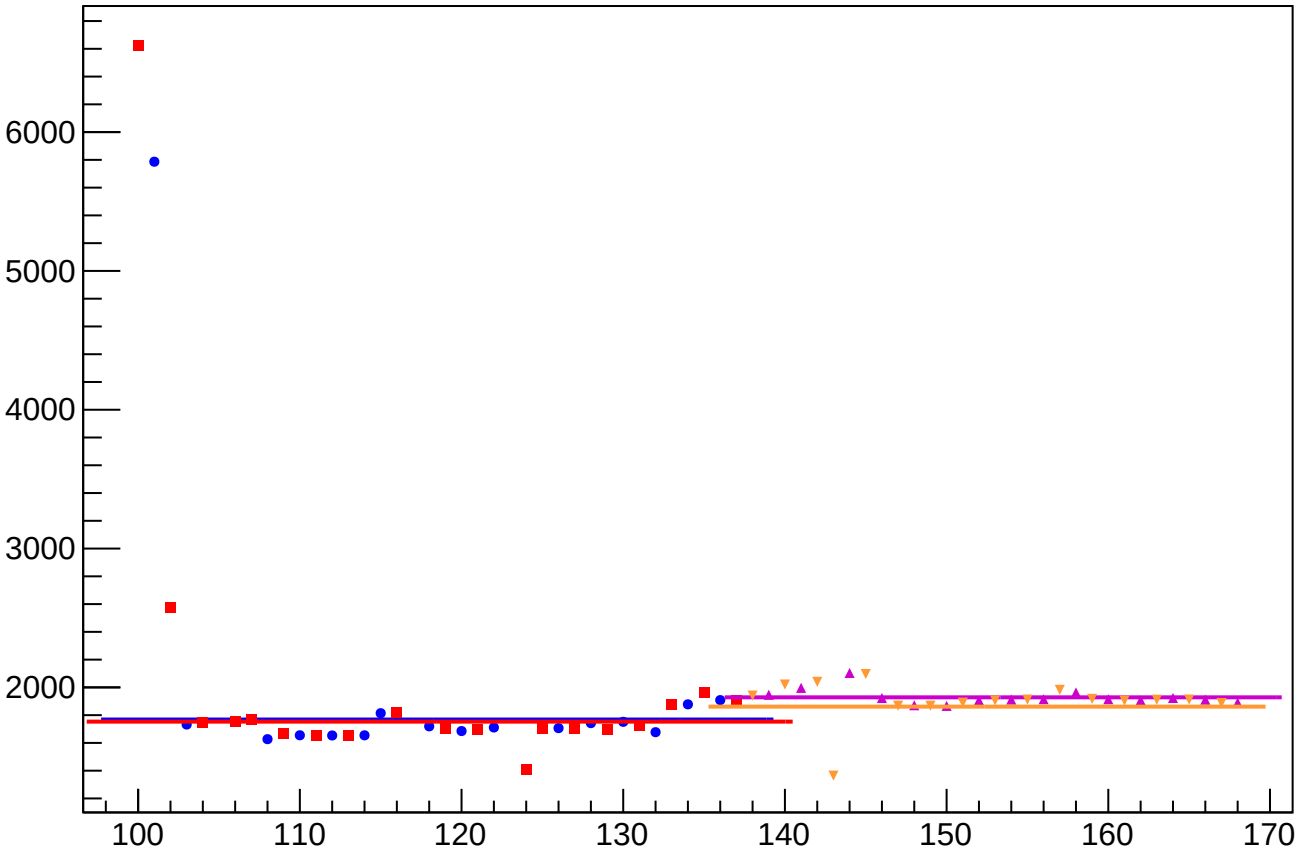
Left: 2085.585+/-379.519 χ^2/NDF: 47.2/30

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2514.964+/-425.031 χ^2/NDF:31.3/30

Out: 1783.323+/-411.001 χ^2/NDF:44.6/34

All: 2136.869+/-295.457 χ^2/NDF: 77.4/65



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.351+/-0.372 χ^2/NDF:270381.2/15

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1928.343+/-0.387 χ^2/NDF:20365.1/14

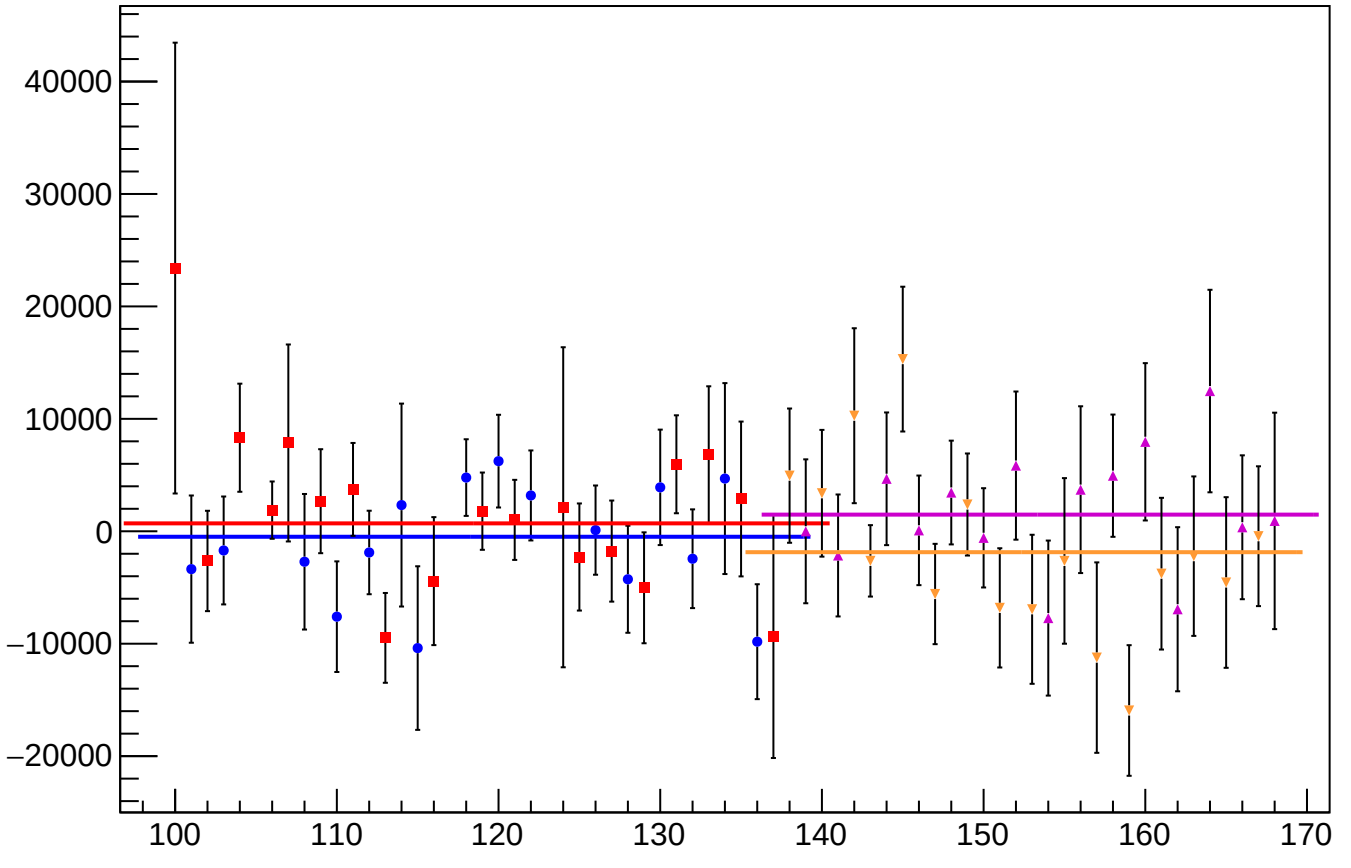
Left: 1893.529+/-0.268 χ^2/NDF: 306301.3/30

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1864.786+/-0.301 χ^2/NDF:755496.8/30

Out: 1819.050+/-0.290 χ^2/NDF:522202.8/34

All: 1841.127+/-0.209 χ^2/NDF: 1289679.7/65



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1859.851+/-1409.310 χ^2/NDF:22.2/15

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1480.822+/-1561.124 χ^2/NDF:7.7/14

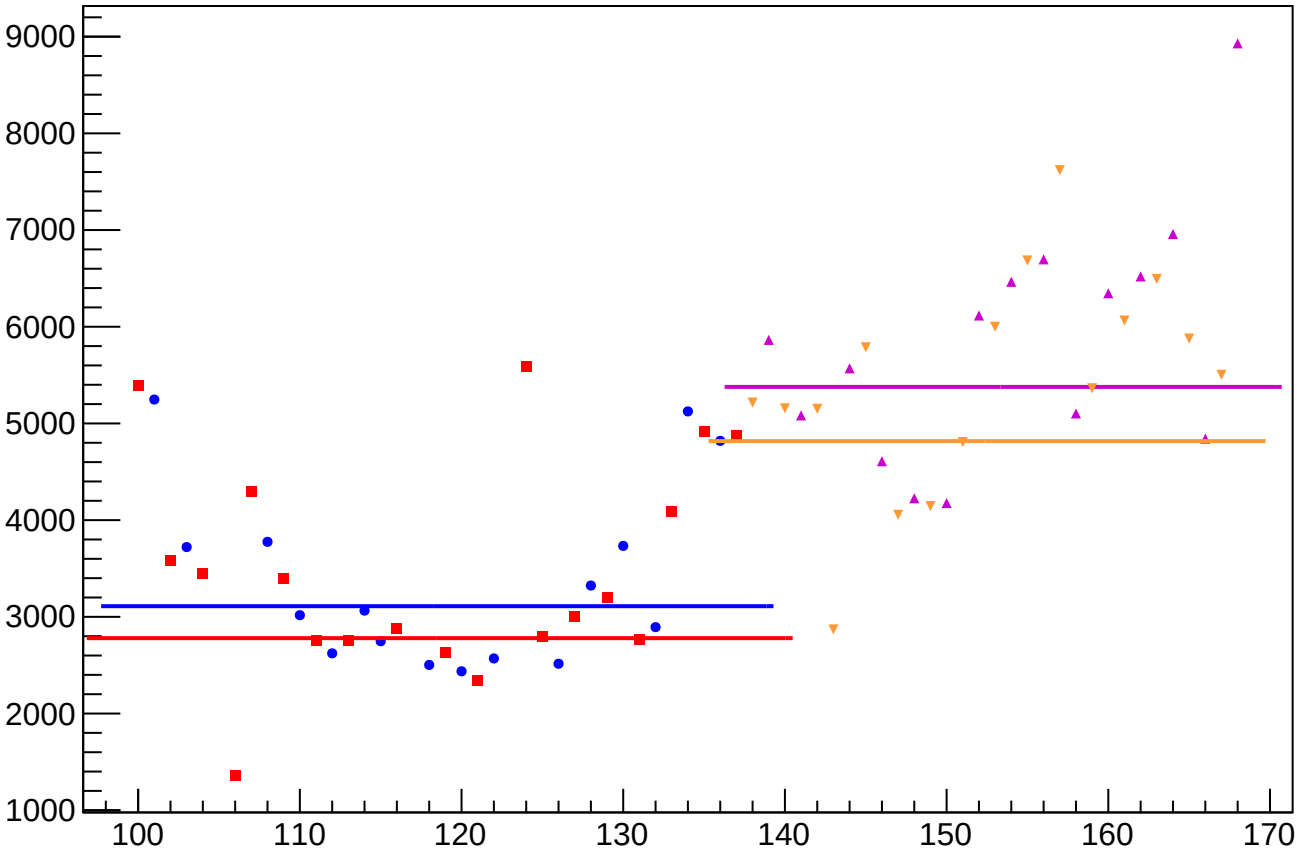
Left: -359.806+/-1046.099 χ^2/NDF: 32.4/30

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 242.031+/-950.658 χ^2/NDF:24.5/30

Out: -233.333+/-851.938 χ^2/NDF:43.1/34

All: -21.607+/-634.452 χ^2/NDF: 67.7/65



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4817.373+/-0.997 χ^2/NDF:1591854.6/15

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5377.784+/-1.104 χ^2/NDF:920500.2/14

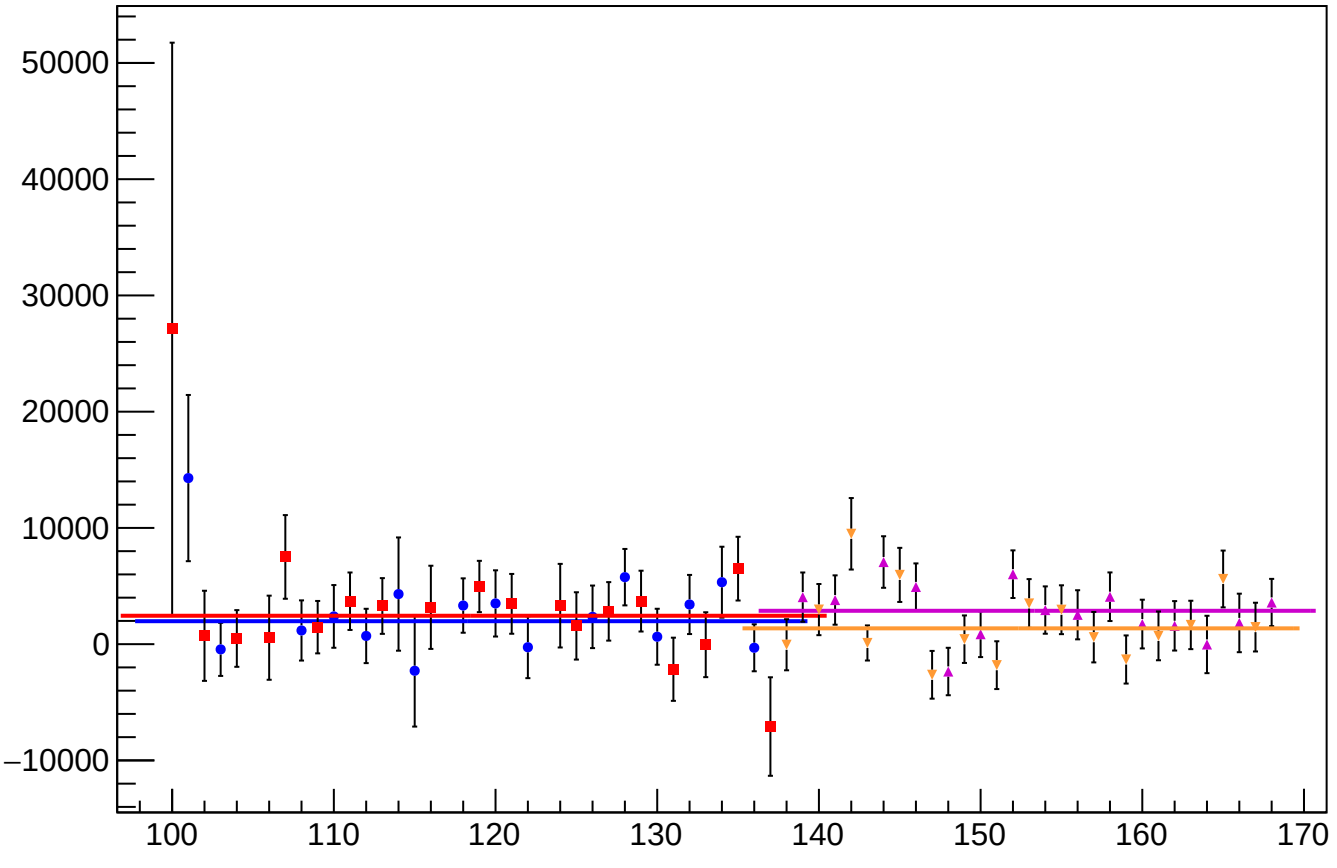
Left: 5069.011+/-0.740 χ^2/NDF: 2654358.7/30

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3951.044+/-0.672 χ^2/NDF:4458834.5/30

Out: 3524.279+/-0.602 χ^2/NDF:5593356.7/34

All: 3714.359+/-0.449 χ^2/NDF: 10275723.0/6



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1359.849+/-526.462 χ^2/NDF:25.5/15

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2870.774+/-547.604 χ^2/NDF:17.8/14

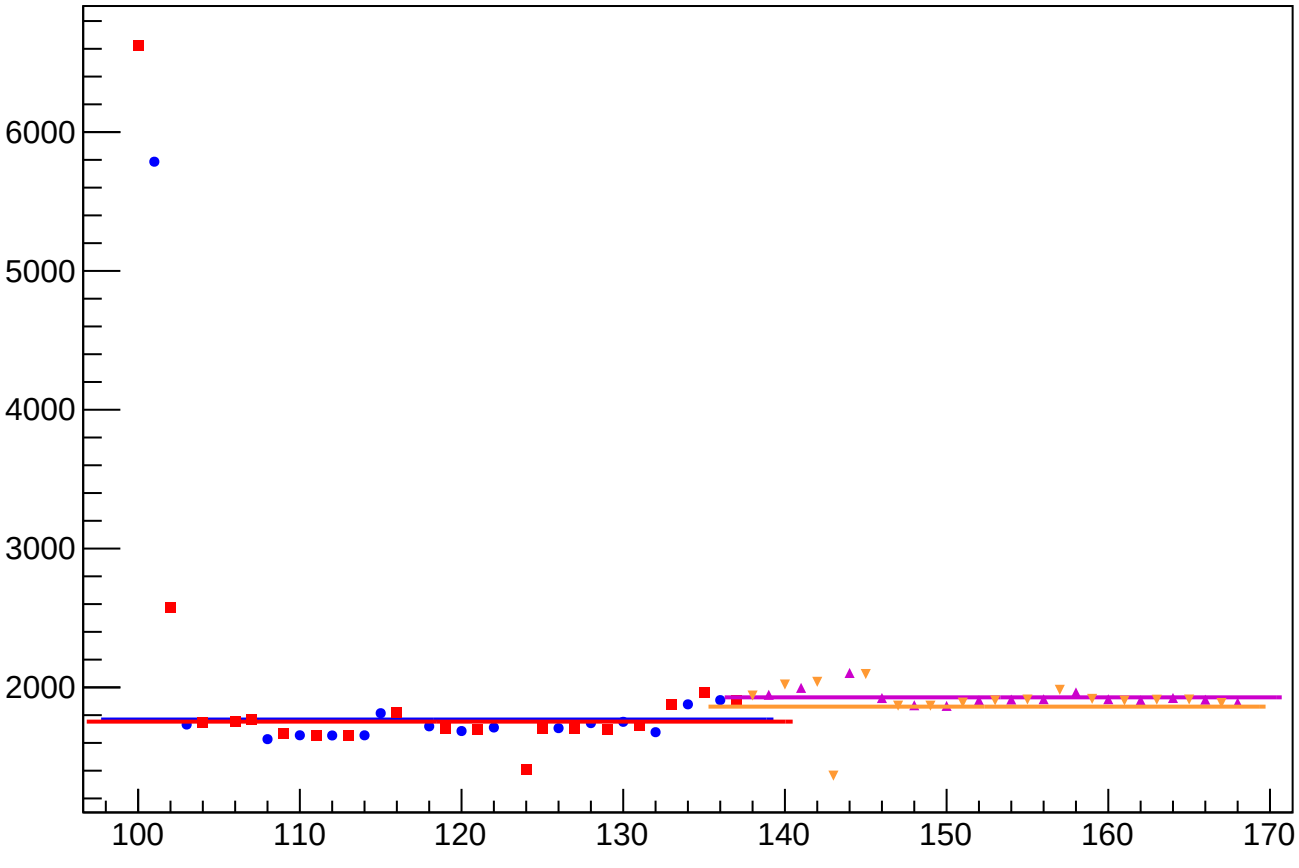
Left: 2085.582+/-379.519 χ^2/NDF: 47.2/30

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2514.964+/-425.031 χ^2/NDF:31.3/30

Out: 1783.320+/-411.001 χ^2/NDF:44.6/34

All: 2136.868+/-295.457 χ^2/NDF: 77.4/65



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1861.352+/-0.372 χ^2/NDF:270382.6/15

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1928.344+/-0.387 χ^2/NDF:20365.4/14

Left: 1893.530+/-0.268 χ^2/NDF: 306303.0/30

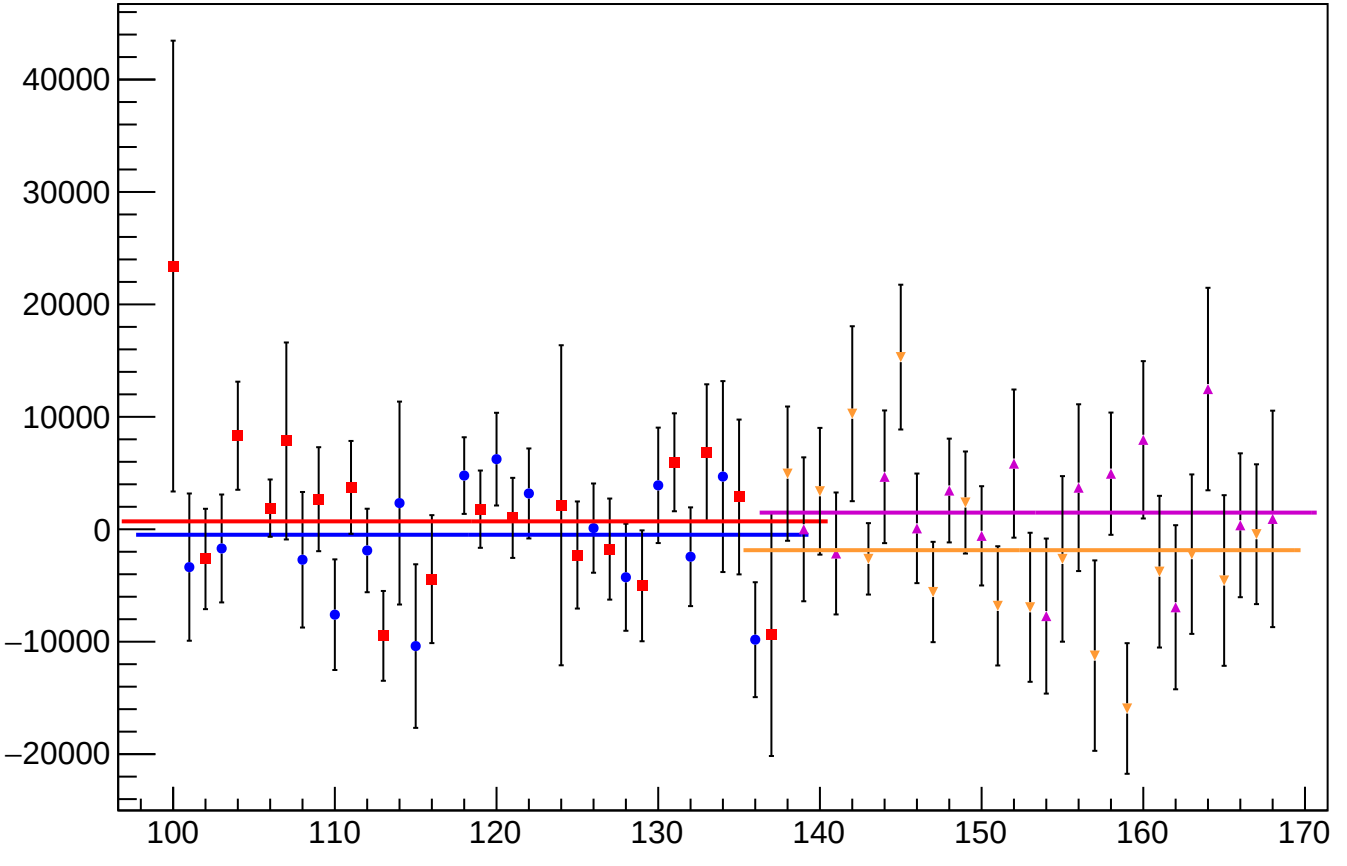
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1864.787+/-0.301 χ^2/NDF:755498.0/30

Out: 1819.050+/-0.290 χ^2/NDF:522204.8/34

All: 1841.127+/-0.209 χ^2/NDF: 1289683.0/65

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: -1859.857+/-1409.312 χ^2/NDF:22.2/15

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1480.822+/-1561.126 χ^2/NDF:7.7/14

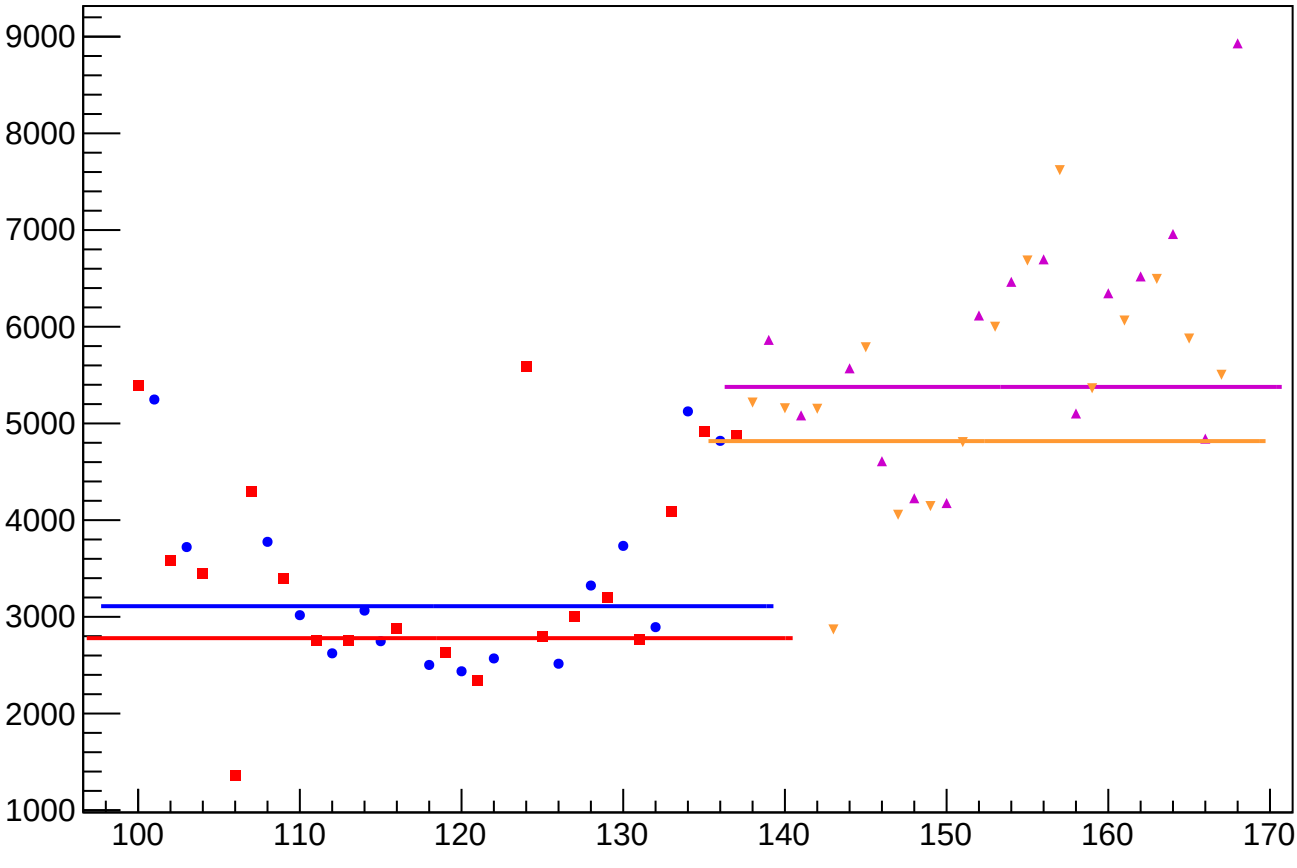
Left: -359.810+/-1046.100 χ^2/NDF: 32.4/30

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 242.031+/-950.657 χ^2/NDF:24.5/30

Out: -233.329+/-851.936 χ^2/NDF:43.1/34

All: -21.605+/-634.450 χ^2/NDF: 67.7/65



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4817.377+/-0.997 χ^2/NDF:1591862.7/15

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5377.790+/-1.104 χ^2/NDF:920503.8/14

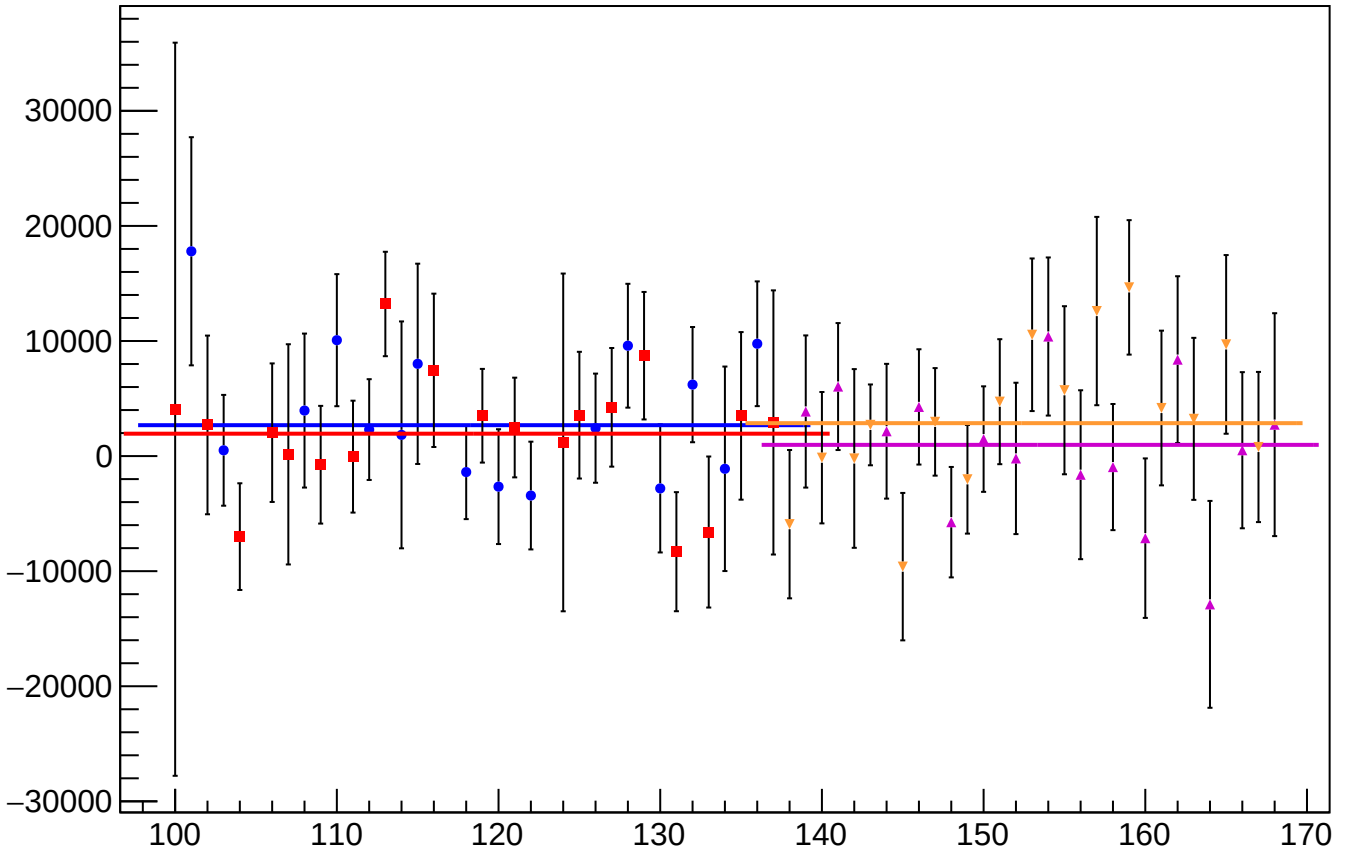
Left: 5069.017+/-0.740 χ^2/NDF: 2654370.9/30

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3951.034+/-0.672 χ^2/NDF:4458891.0/30

Out: 3524.268+/-0.602 χ^2/NDF:5593432.8/34

All: 3714.349+/-0.449 χ^2/NDF: 10275858.2/6



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2861.037+/-1459.357 χ^2/NDF:15.2/15

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 975.045+/-1587.971 χ^2/NDF:10.5/14

Left: 1997.498+/-1074.517 χ^2/NDF: 26.4/30

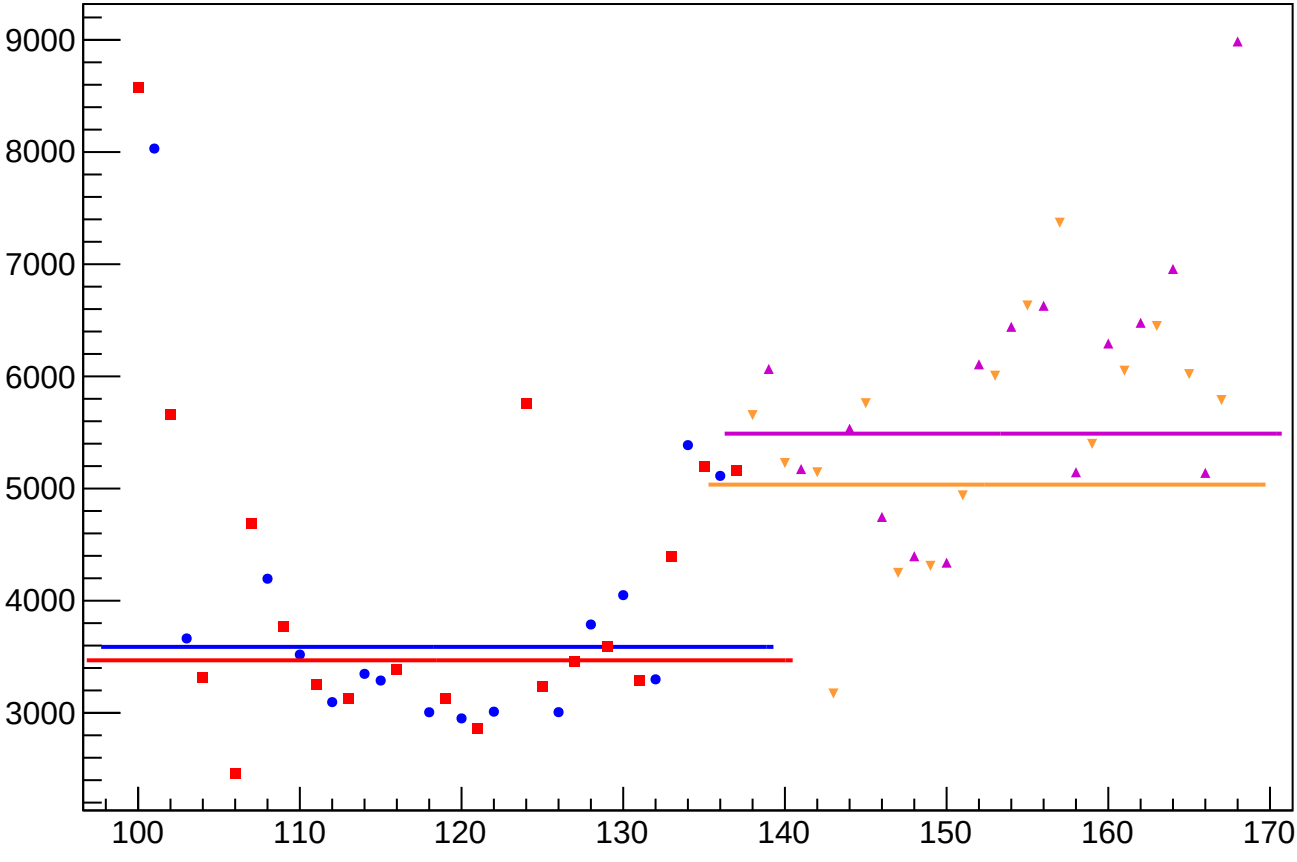
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 1949.549+/-1041.590 χ^2/NDF:24.6/30

Out: 2362.020+/-984.213 χ^2/NDF:34.1/34

All: 2167.458+/-715.368 χ^2/NDF: 58.8/65

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5035.142+/-1.032 χ^2/NDF:1208029.1/15

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5489.482+/-1.123 χ^2/NDF:791205.5/14

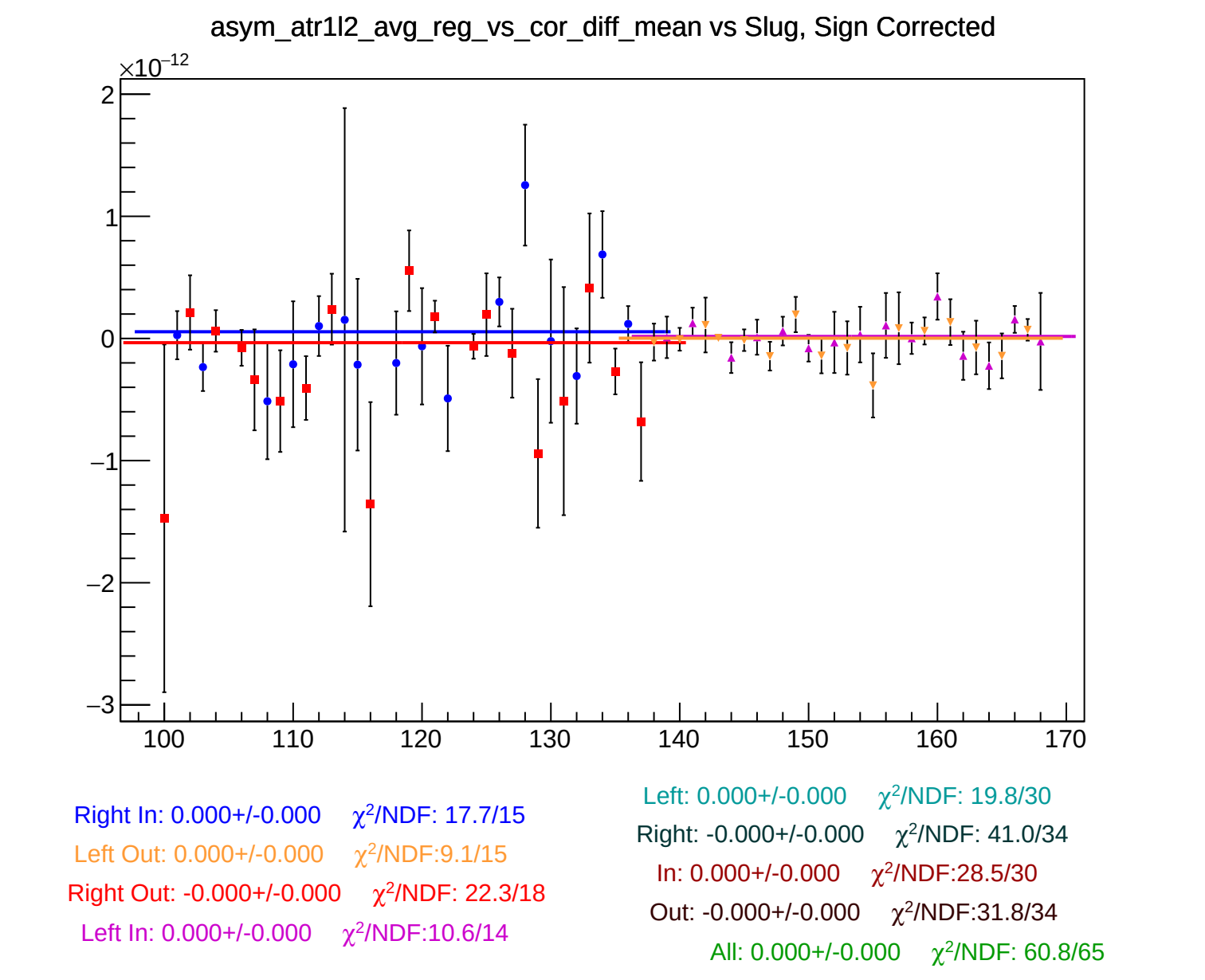
Left: 5243.171+/-0.760 χ^2/NDF: 2087993.3/30

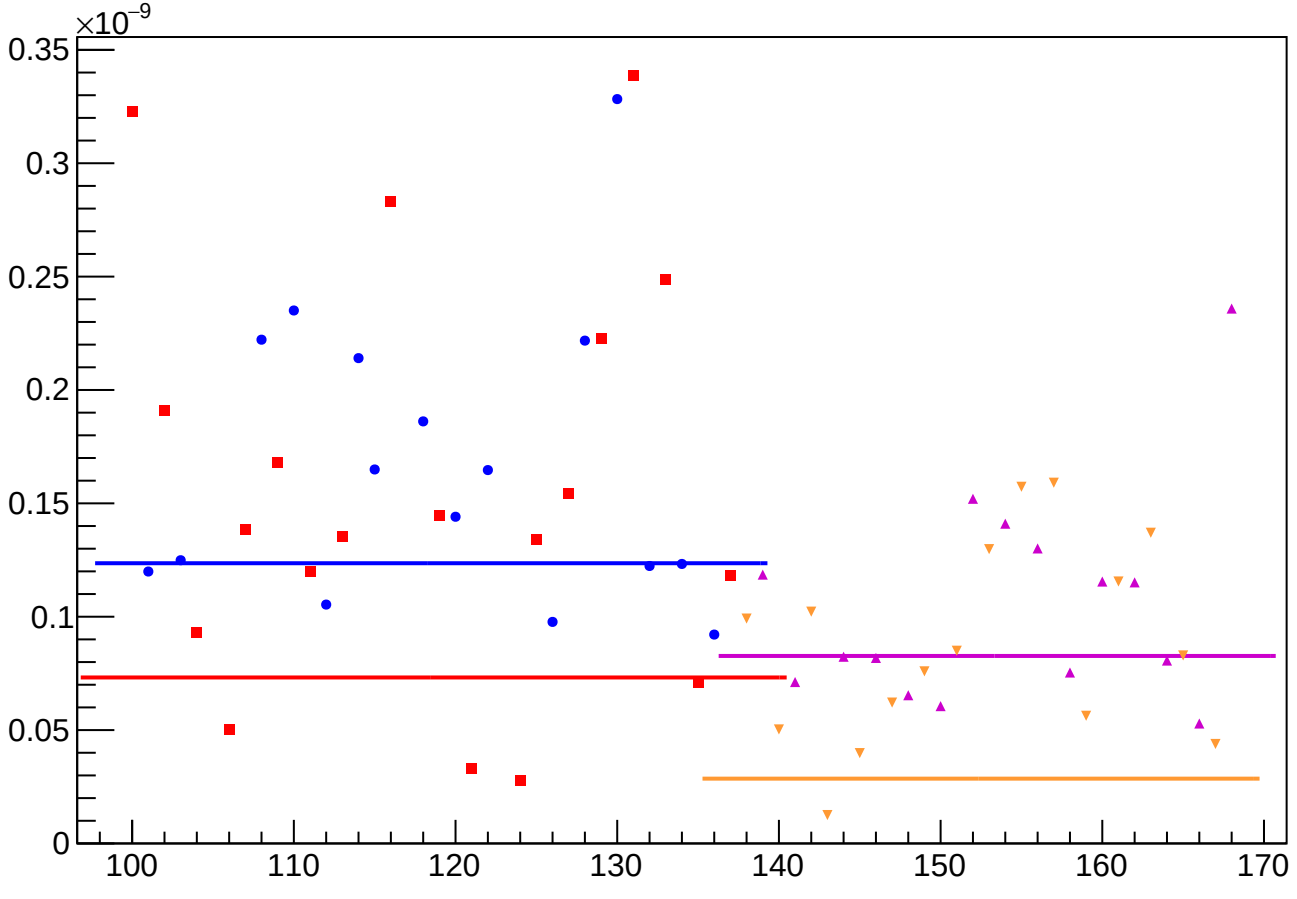
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4406.333+/-0.737 χ^2/NDF:3269579.5/30

Out: 4169.262+/-0.690 χ^2/NDF:3148365.7/34

All: 4280.096+/-0.504 χ^2/NDF: 6473114.8/65


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:9.1/15
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:10.6/14
Left: 0.000+/-0.000 χ²/NDF: 19.8/30
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:28.5/30
Out: -0.000+/-0.000 χ²/NDF:31.8/34
All: 0.000+/-0.000 χ²/NDF: 60.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5074938.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1145476.7/14

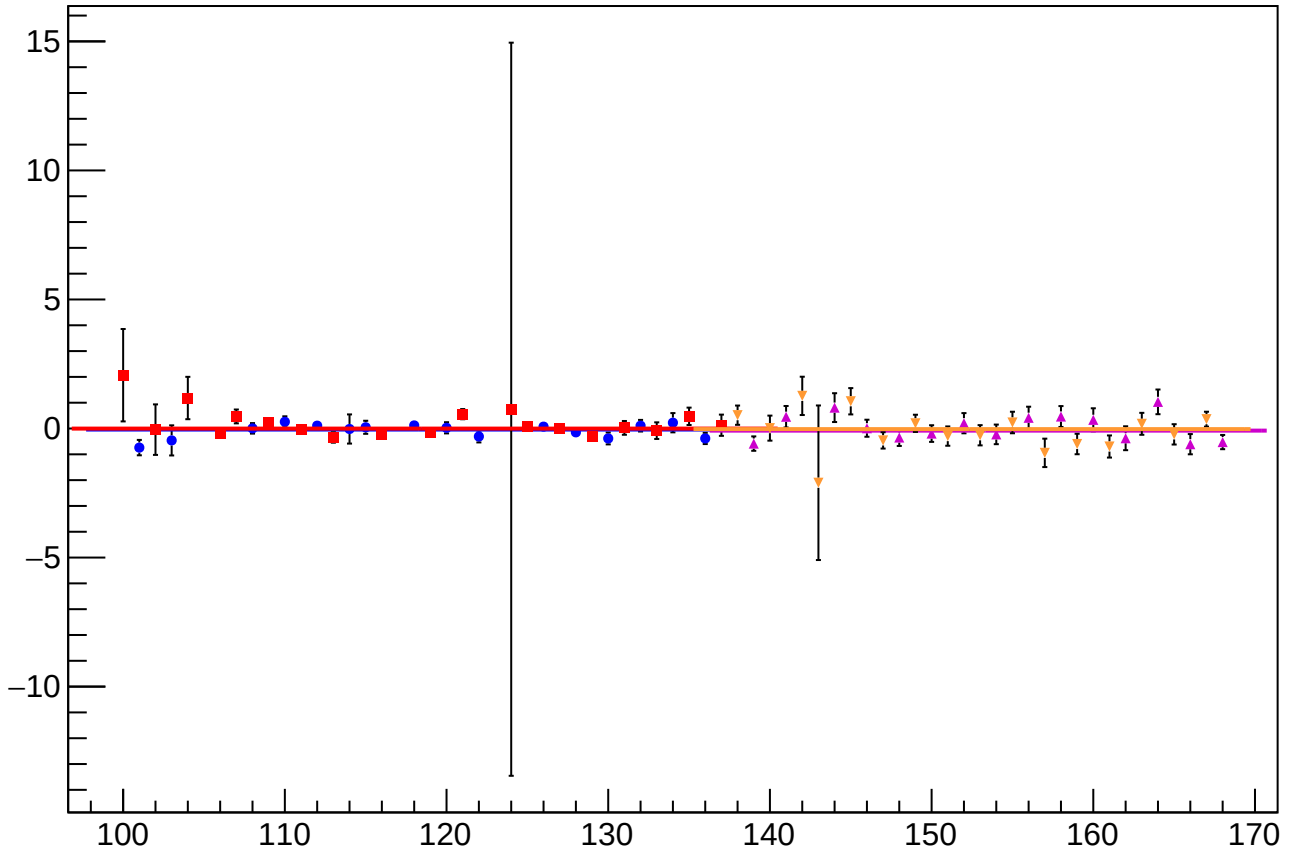
Left: 0.000+/-0.000 χ^2/NDF: 9290740.9/30

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2292303.8/30

Out: 0.000+/-0.000 χ^2/NDF:8511444.6/34

All: 0.000+/-0.000 χ^2/NDF: 15276616.7/65



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.081+/-0.096 χ^2/NDF:23.3/14

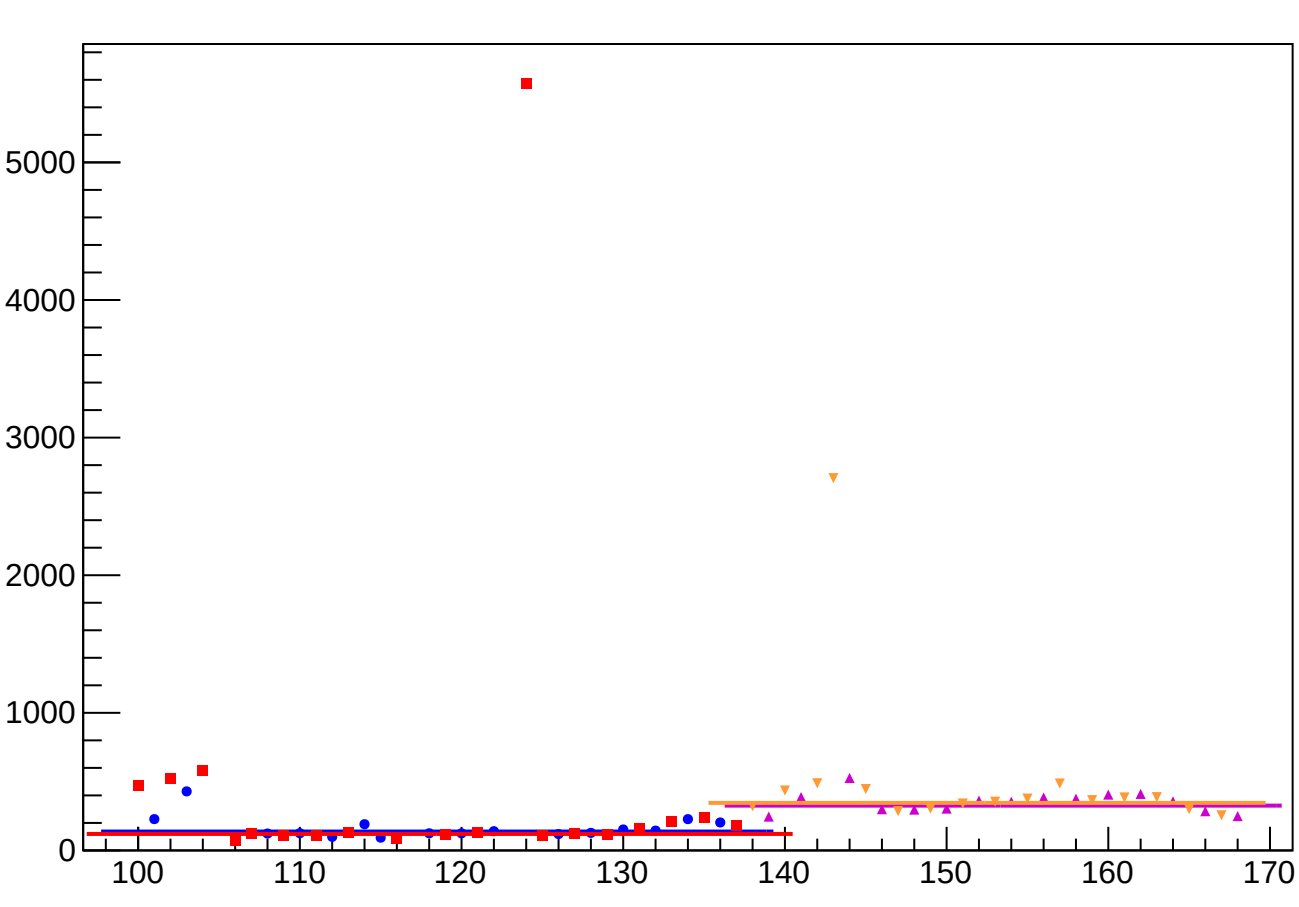
Left: -0.054+/-0.070 χ^2/NDF: 46.8/30

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.048 χ^2/NDF:41.4/30

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.027+/-0.033 χ^2/NDF: 93.9/65



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 345.703+/-0.073 χ^2/NDF:1980143.0/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 325.815+/-0.068 χ^2/NDF:915636.9/14

Left: 335.076+/-0.050 χ^2/NDF: 2935812.5/30

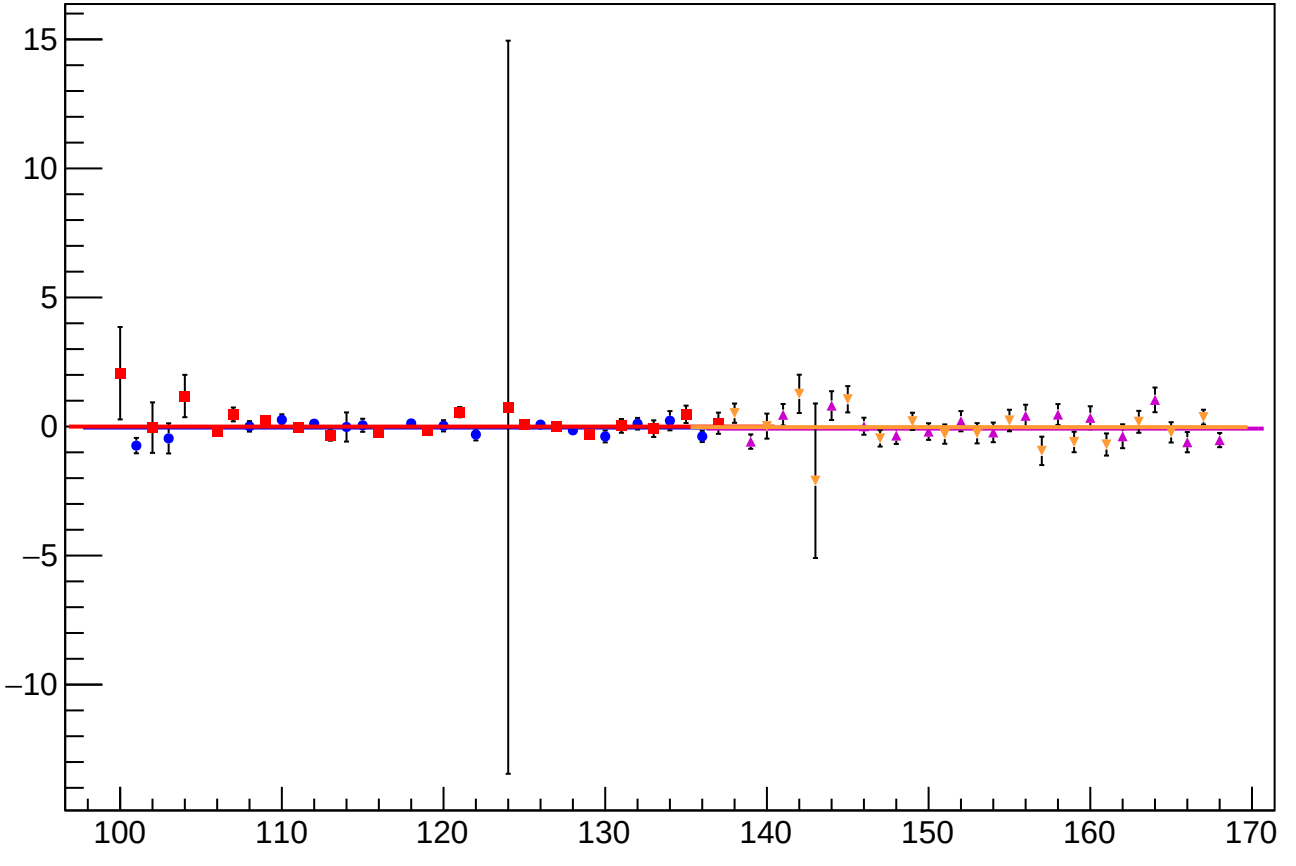
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 185.060+/-0.034 χ^2/NDF:7947844.8/30

Out: 164.509+/-0.032 χ^2/NDF:11865753.7/34

All: 174.212+/-0.023 χ^2/NDF: 20005160.2/65

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: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.081+/-0.096 χ^2/NDF:23.3/14

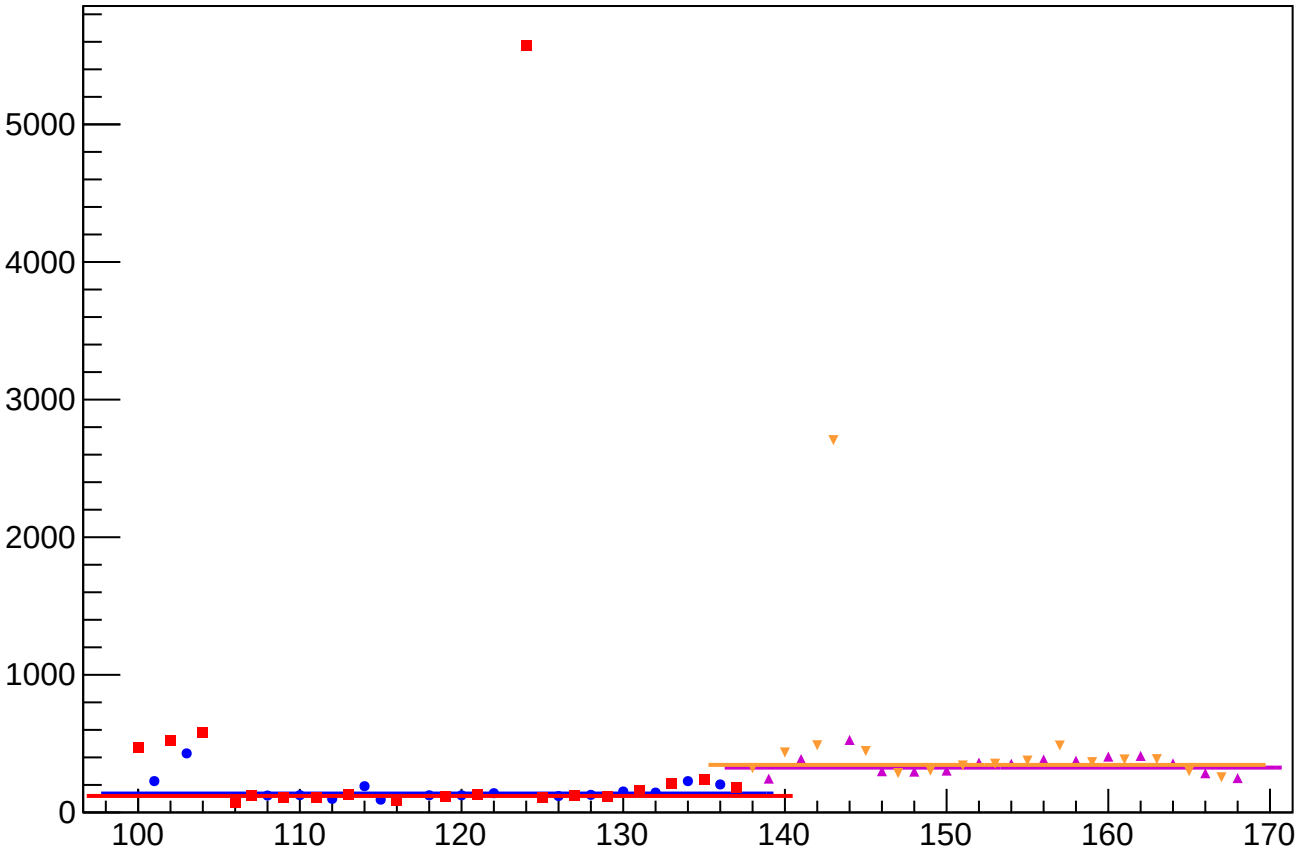
Left: -0.054+/-0.070 χ^2/NDF: 46.8/30

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.048 χ^2/NDF:41.4/30

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.027+/-0.033 χ^2/NDF: 93.9/65



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 345.703+/-0.073 χ^2/NDF:1980143.0/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 325.815+/-0.068 χ^2/NDF:915636.9/14

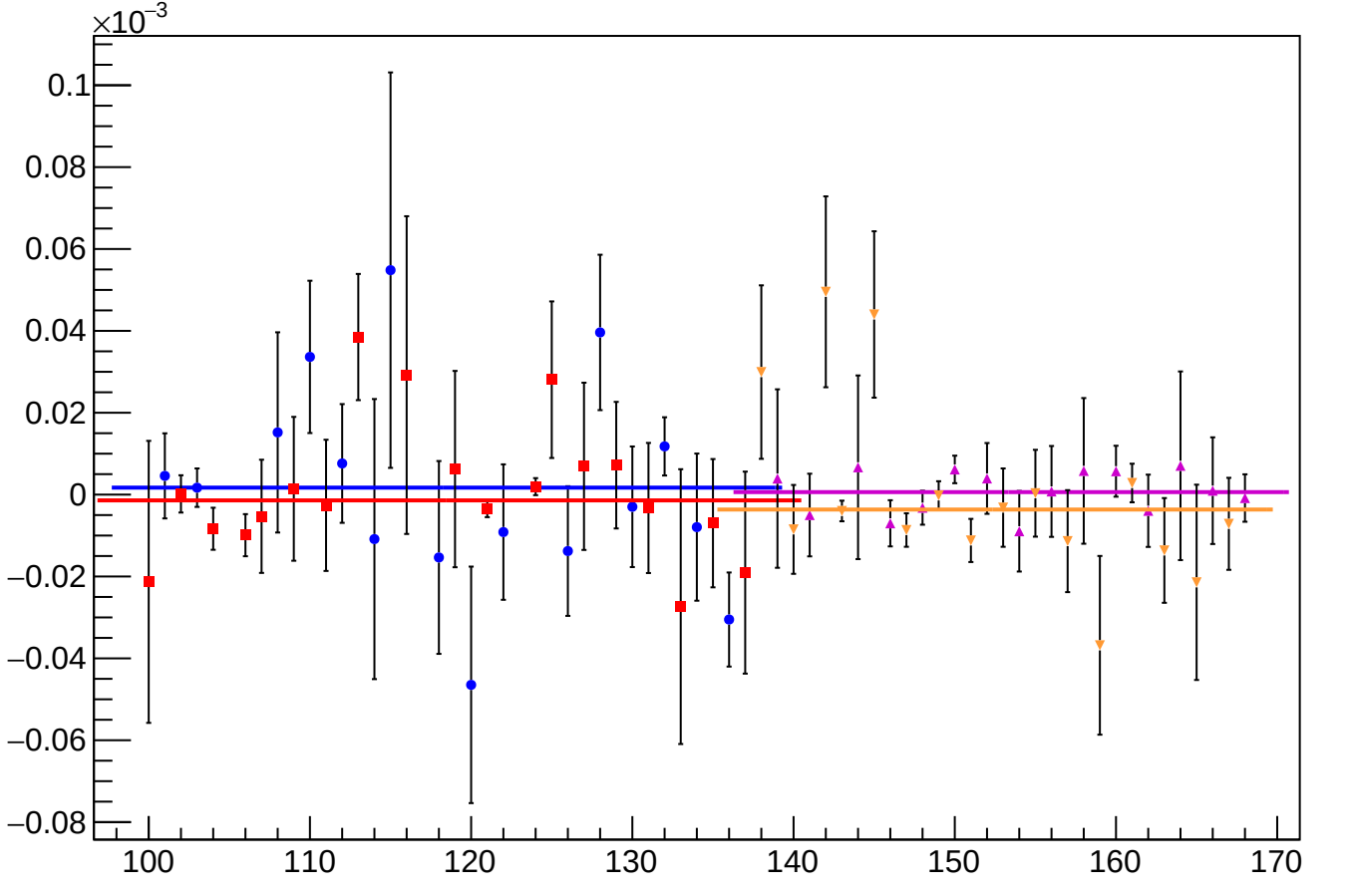
Left: 335.076+/-0.050 χ^2/NDF: 2935812.5/30

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 185.060+/-0.034 χ^2/NDF:7947844.8/30

Out: 164.509+/-0.032 χ^2/NDF:11865753.7/34

All: 174.212+/-0.023 χ^2/NDF: 20005160.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/14

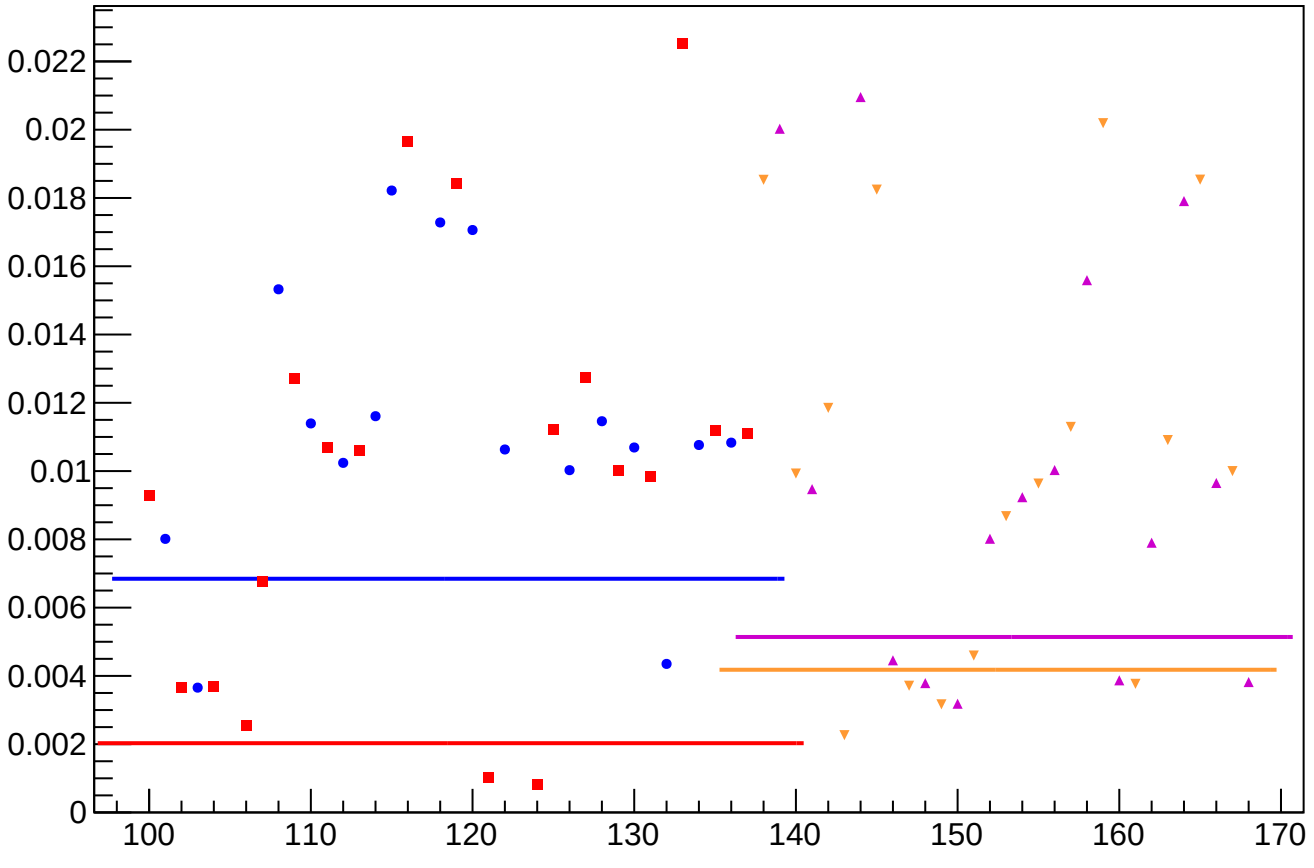
Left: -0.000+/-0.000 χ^2/NDF: 35.3/30

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.9/30

Out: -0.000+/-0.000 χ^2/NDF:45.5/34

All: -0.000+/-0.000 χ^2/NDF: 80.6/65



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:8549161.7/15

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:6094333.2/14

Left: 0.005+/-0.000 χ^2/NDF: 14974724.2/30

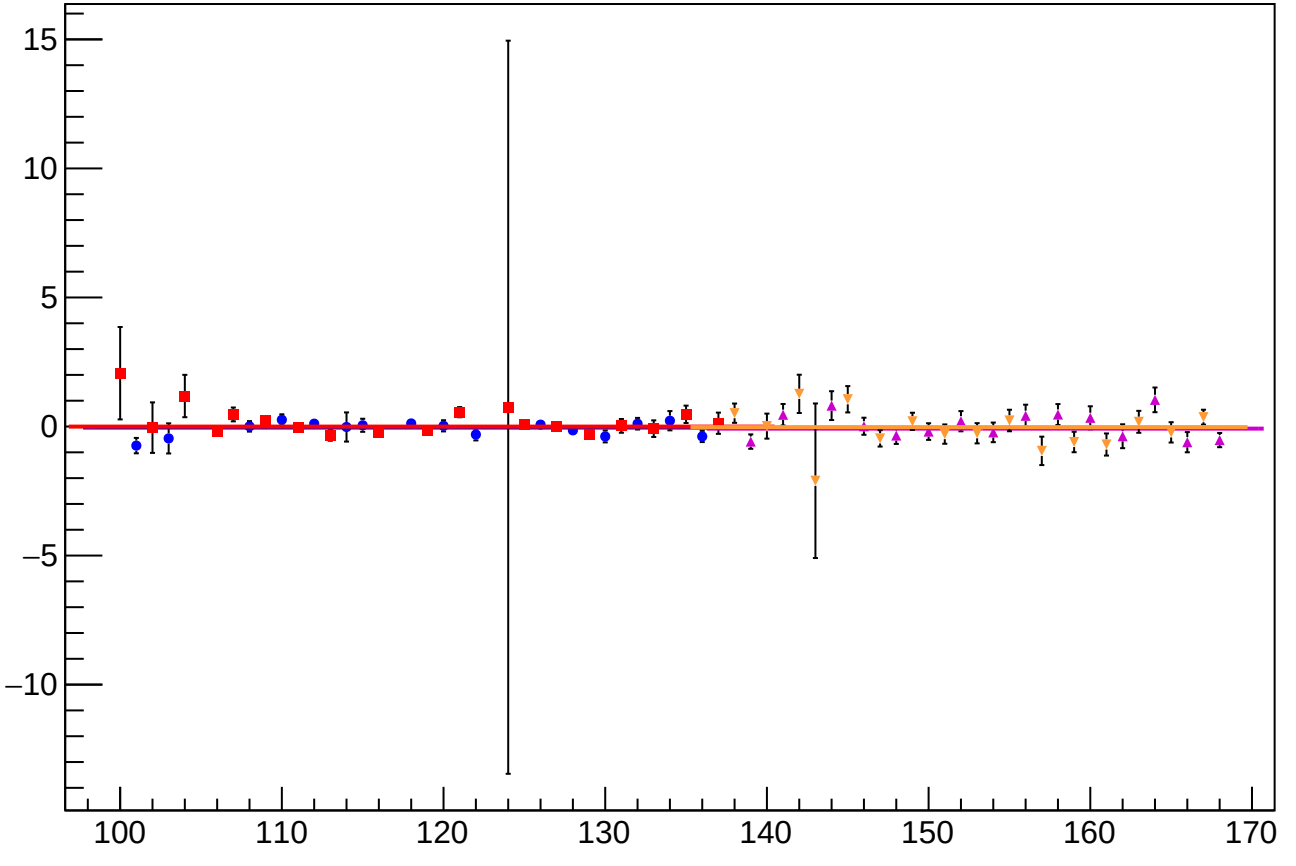
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:9804992.5/30

Out: 0.003+/-0.000 χ^2/NDF:19963626.6/34

All: 0.004+/-0.000 χ^2/NDF: 34124113.6/65

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: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.081+/-0.096 χ^2/NDF:23.3/14

Left: -0.054+/-0.070 χ^2/NDF: 46.8/30

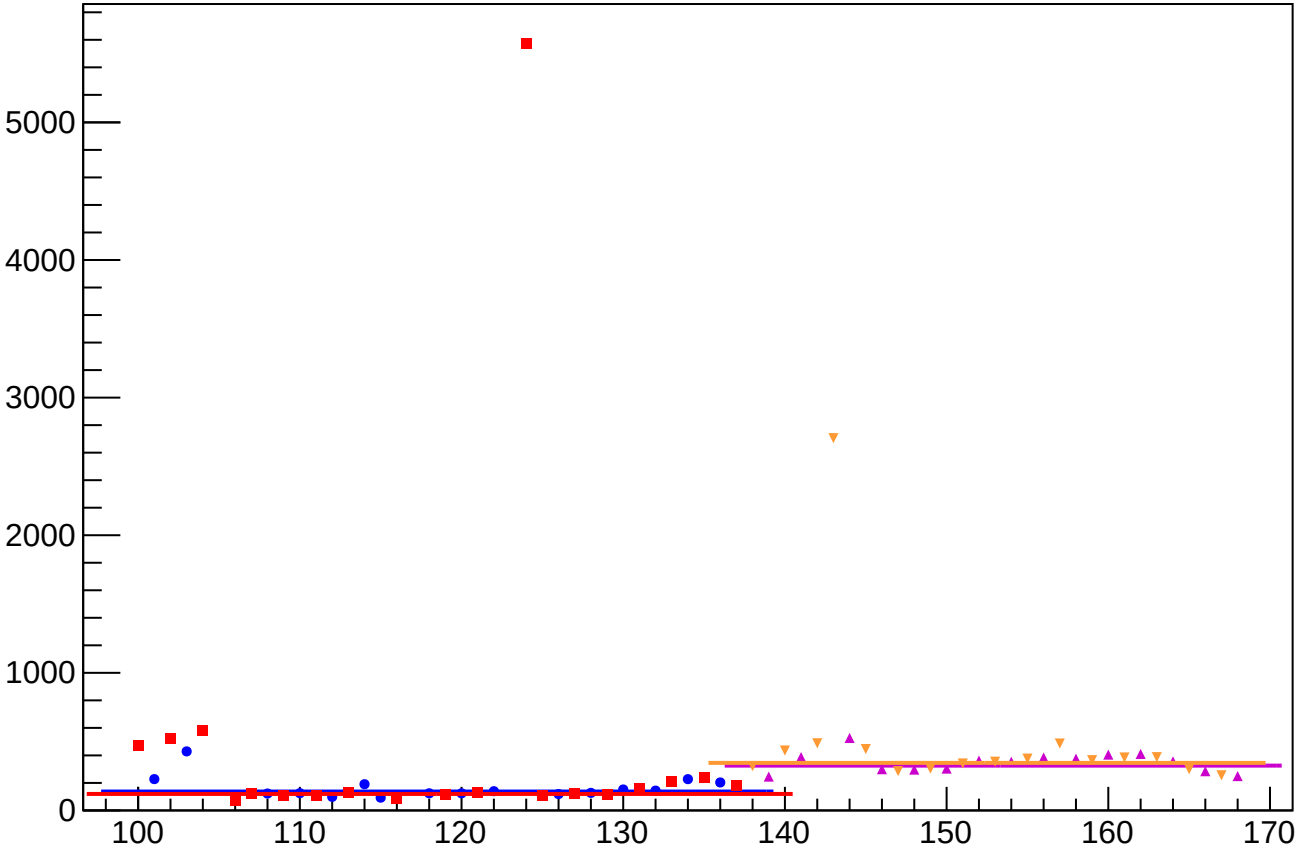
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.048 χ^2/NDF:41.4/30

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.027+/-0.033 χ^2/NDF: 93.9/65

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: 345.707+/-0.073 χ^2/NDF:1980180.5/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 325.820+/-0.068 χ^2/NDF:915635.4/14

Left: 335.081+/-0.050 χ^2/NDF: 2935844.8/30

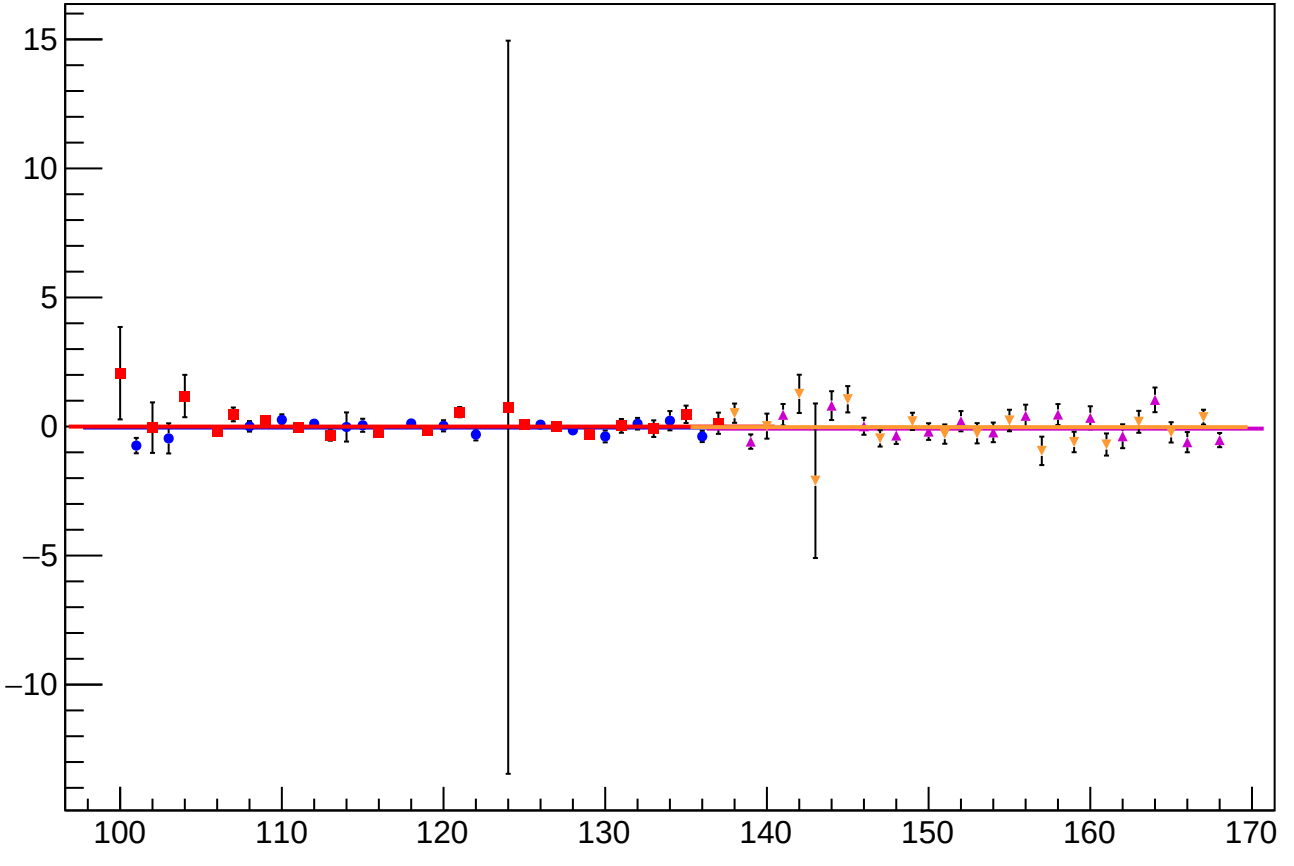
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 185.062+/-0.034 χ^2/NDF:7947874.0/30

Out: 164.508+/-0.032 χ^2/NDF:11865844.6/34

All: 174.213+/-0.023 χ^2/NDF: 20005304.4/65

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: -0.023+/-0.103 χ^2/NDF:23.4/15

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.081+/-0.096 χ^2/NDF:23.3/14

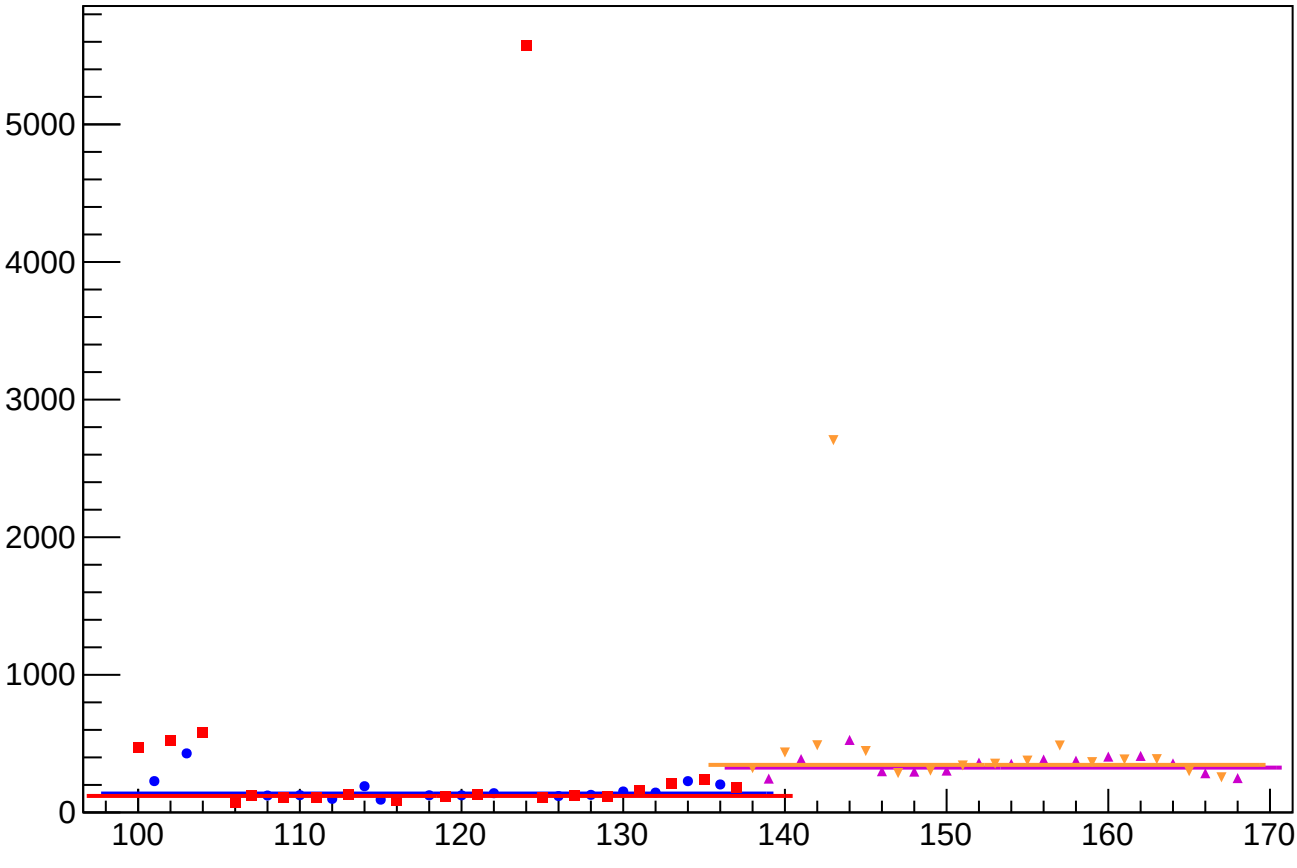
Left: -0.054+/-0.070 χ^2/NDF: 46.8/30

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.048 χ^2/NDF:41.4/30

Out: -0.007+/-0.046 χ^2/NDF:52.1/34

All: -0.027+/-0.033 χ^2/NDF: 93.9/65



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 345.707+/-0.073 χ^2/NDF:1980180.5/15

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 325.820+/-0.068 χ^2/NDF:915635.4/14

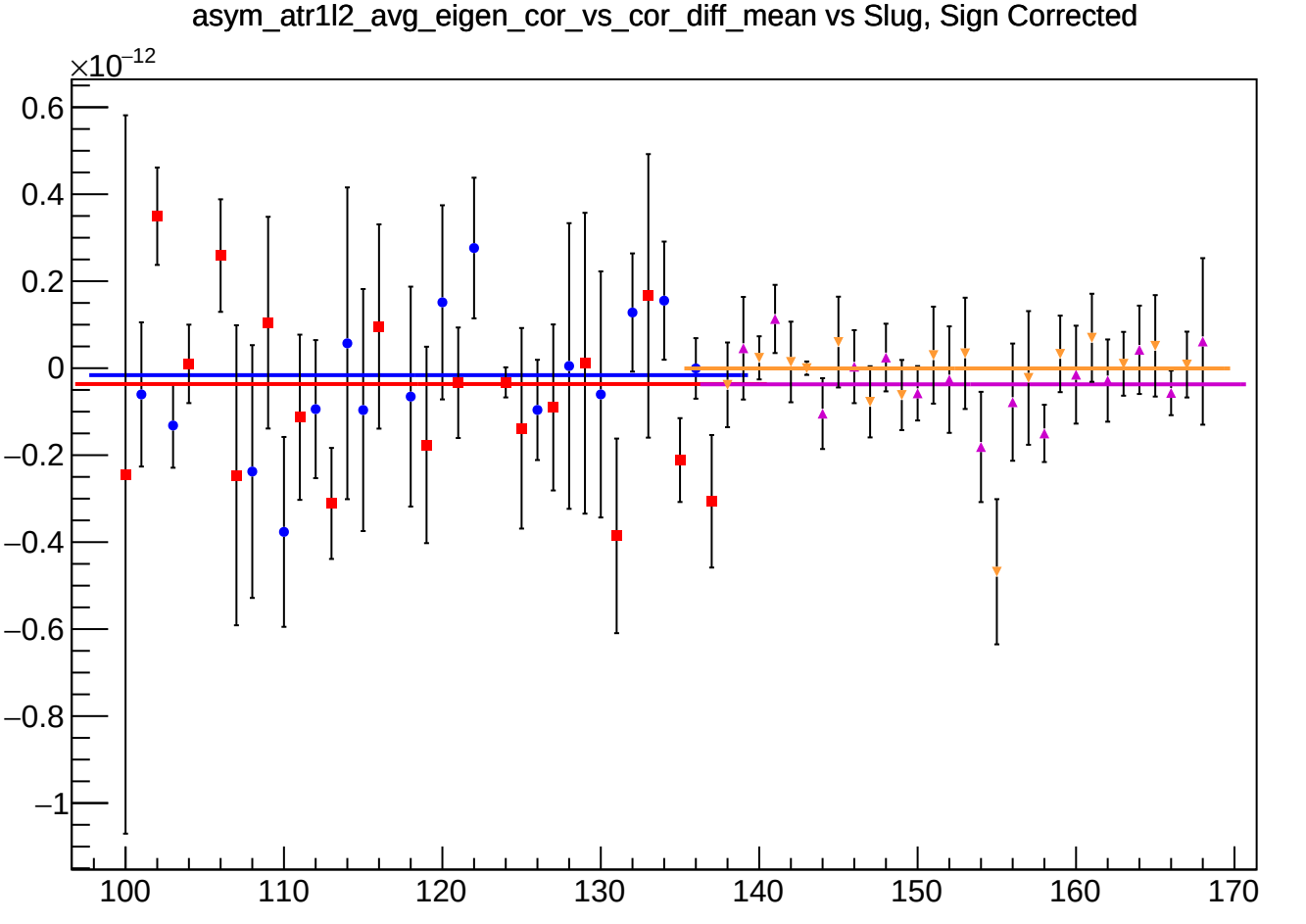
Left: 335.081+/-0.050 χ^2/NDF: 2935844.8/30

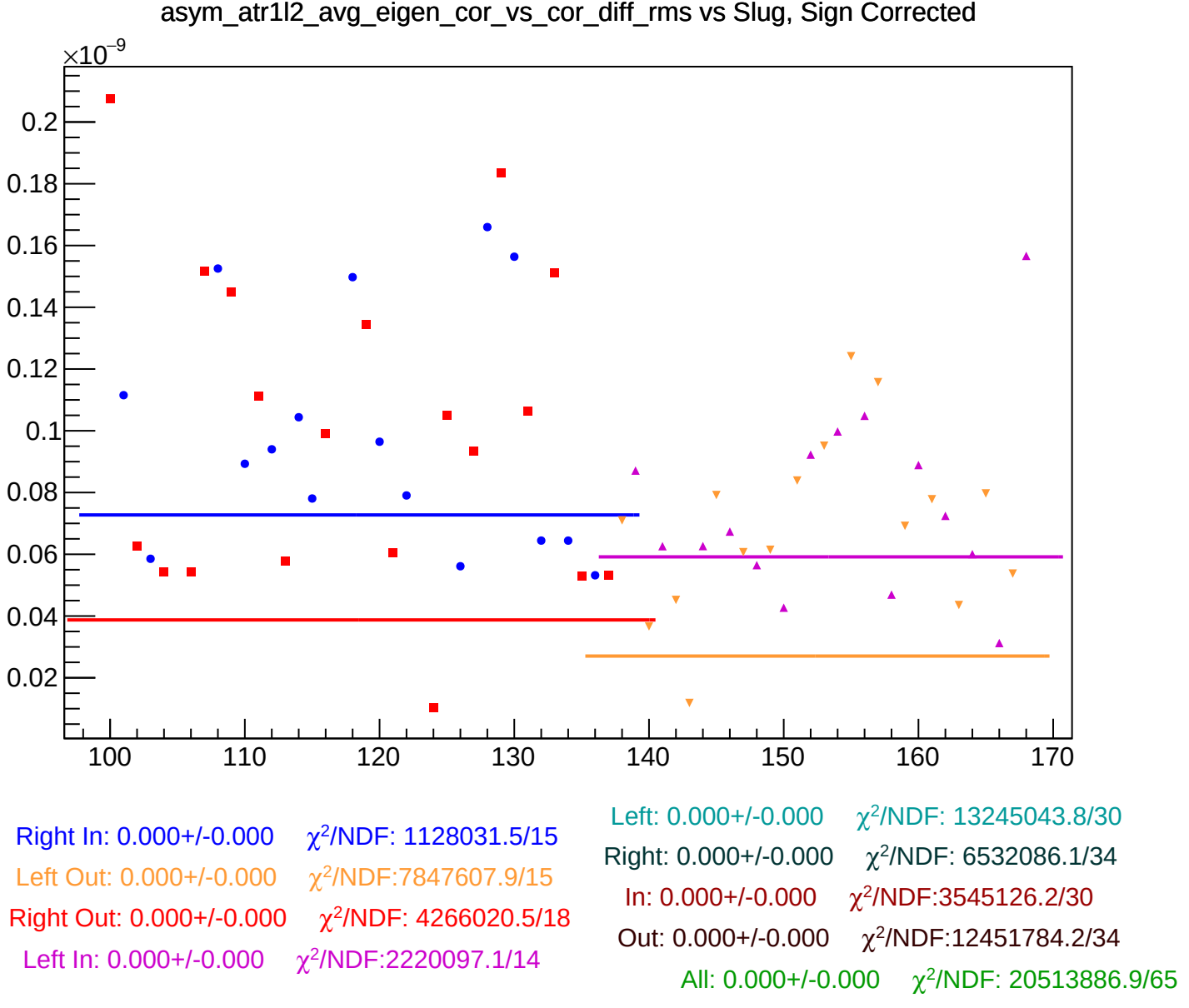
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 185.062+/-0.034 χ^2/NDF:7947874.0/30

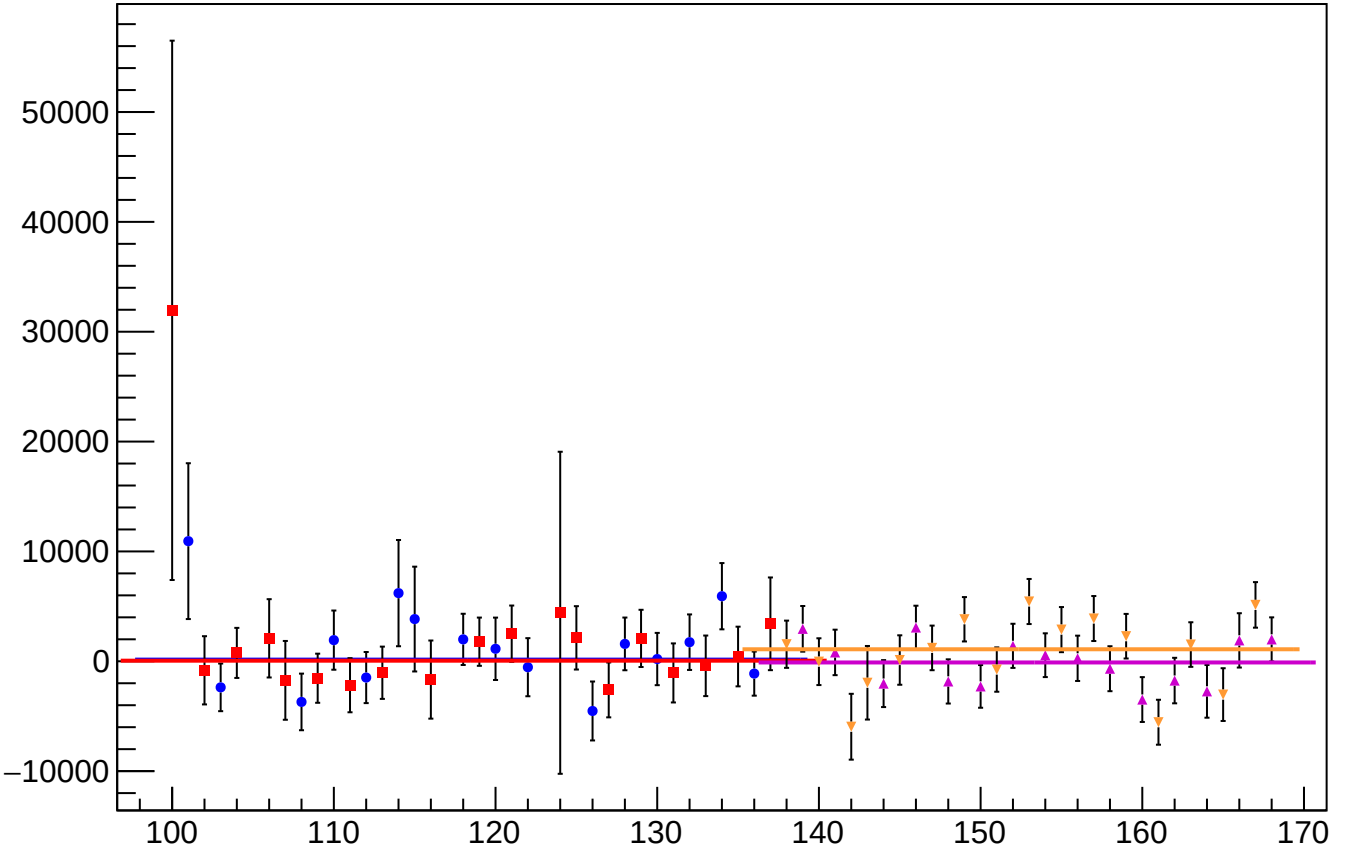
Out: 164.508+/-0.032 χ^2/NDF:11865844.6/34

All: 174.213+/-0.023 χ^2/NDF: 20005304.4/65


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
170
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/15
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.2/14
Left: -0.000+/-0.000 χ²/NDF: 24.4/30
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:23.8/30
Out: -0.000+/-0.000 χ²/NDF:45.8/34
All: -0.000+/-0.000 χ²/NDF: 70.8/65


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7847607.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2220097.1/14
Left: 0.000+/-0.000 χ²/NDF: 13245043.8/30
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:3545126.2/30
Out: 0.000+/-0.000 χ²/NDF:12451784.2/34
All: 0.000+/-0.000 χ²/NDF: 20513886.9/65

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1092.815+/-541.363 χ^2/NDF:34.4/15

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -108.244+/-535.887 χ^2/NDF:14.9/14

Left: 486.180+/-380.851 χ^2/NDF: 51.7/30

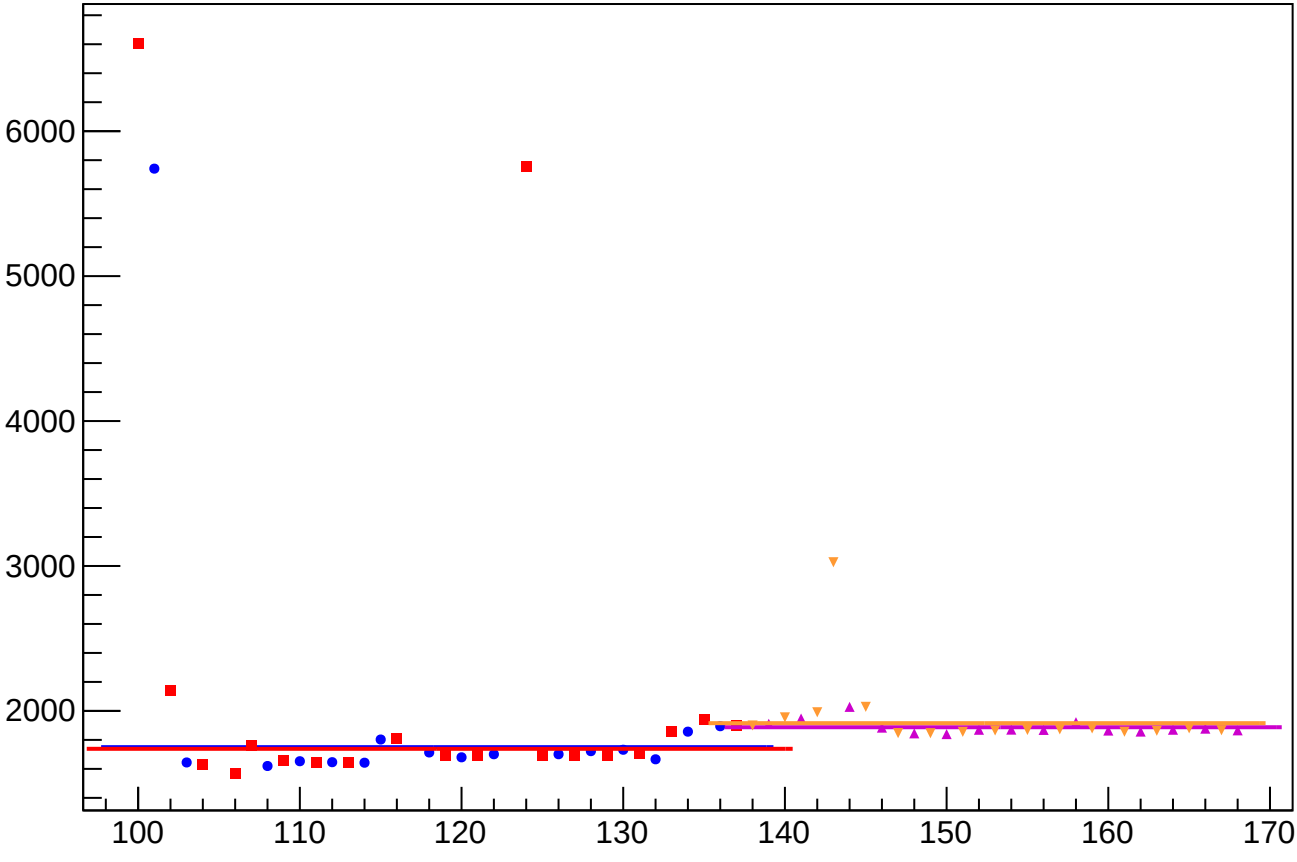
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -6.662+/-417.765 χ^2/NDF:32.6/30

Out: 671.444+/-417.353 χ^2/NDF:44.8/34

All: 332.726+/-295.259 χ^2/NDF: 78.7/65

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

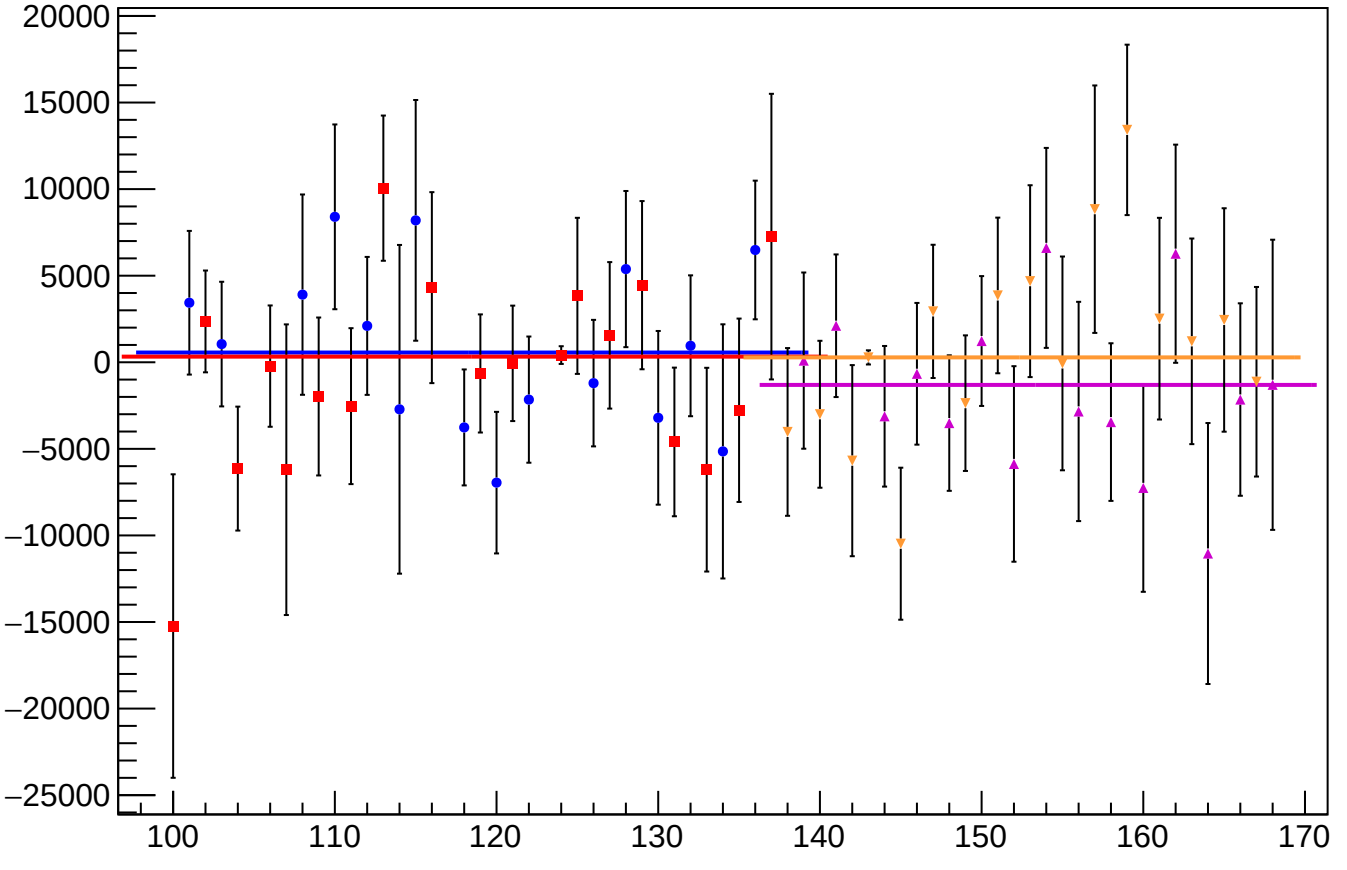
Left: 1901.275+/-0.269 χ^2/NDF: 259051.0/30

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1833.459+/-0.295 χ^2/NDF:735965.9/30

Out: 1843.018+/-0.294 χ^2/NDF:633556.2/34

All: 1838.258+/-0.208 χ^2/NDF: 1370047.8/65



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 282.015+/-389.980 χ^2/NDF:19.7/15

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1307.870+/-1284.456 χ^2/NDF:8.7/14

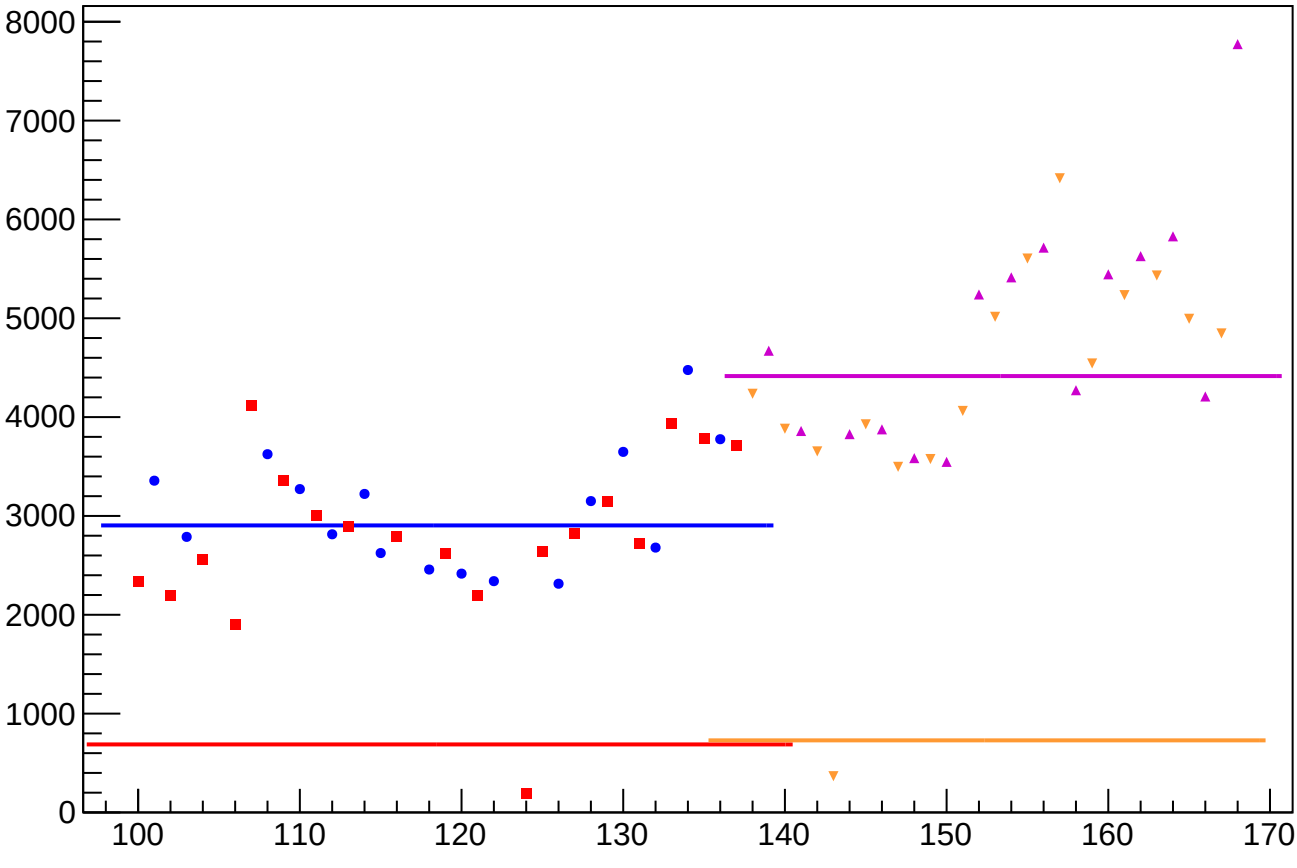
Left: 147.826+/-373.160 χ^2/NDF: 29.8/30

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -229.916+/-836.001 χ^2/NDF:24.7/30

Out: 300.322+/-296.909 χ^2/NDF:38.9/34

All: 240.932+/-279.788 χ^2/NDF: 64.0/65



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 729.380+/-0.276 χ^2/NDF:17907030.3/15

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4415.183+/-0.908 χ^2/NDF:1031602.9/14

Left: 1040.468+/-0.264 χ^2/NDF: 34017216.7/30

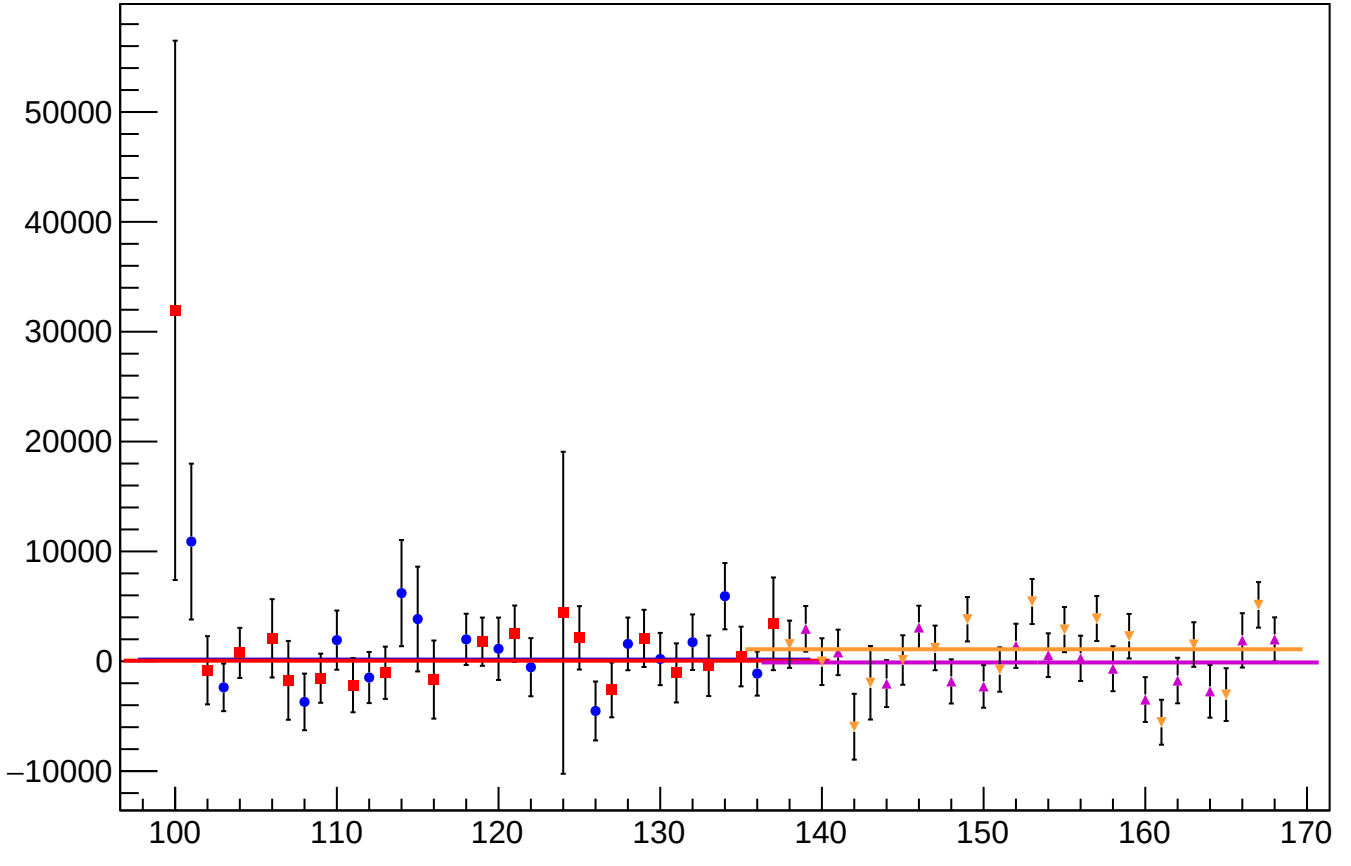
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3544.199+/-0.591 χ^2/NDF:3106894.4/30

Out: 712.120+/-0.210 χ^2/NDF:28065264.5/34

All: 1029.332+/-0.198 χ^2/NDF: 51553705.2/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF:34.4/15

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -108.273+/-535.887 χ^2/NDF:14.9/14

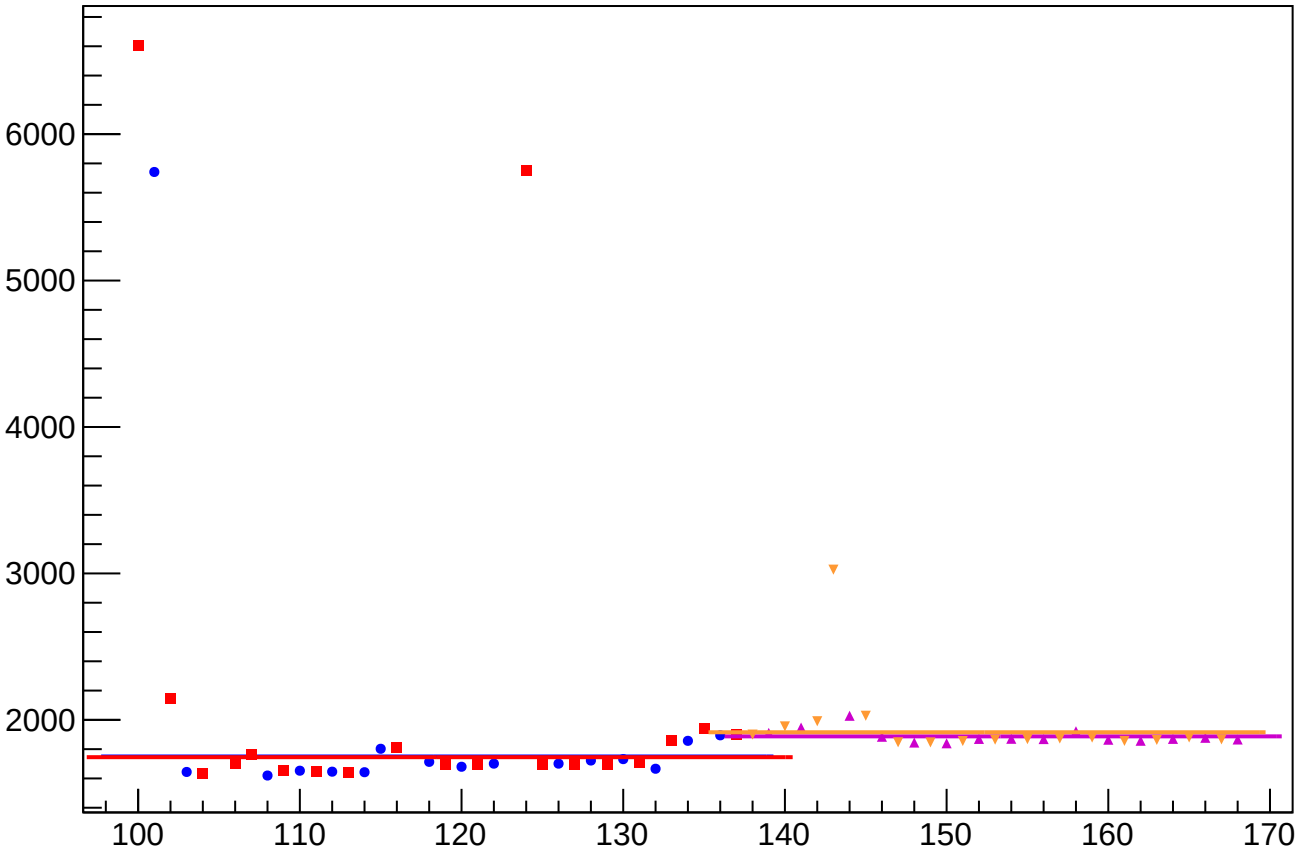
Left: 486.154+/-380.851 χ^2/NDF: 51.7/30

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -6.863+/-417.765 χ^2/NDF:32.6/30

Out: 671.451+/-417.353 χ^2/NDF:44.8/34

All: 332.629+/-295.259 χ^2/NDF: 78.7/65



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

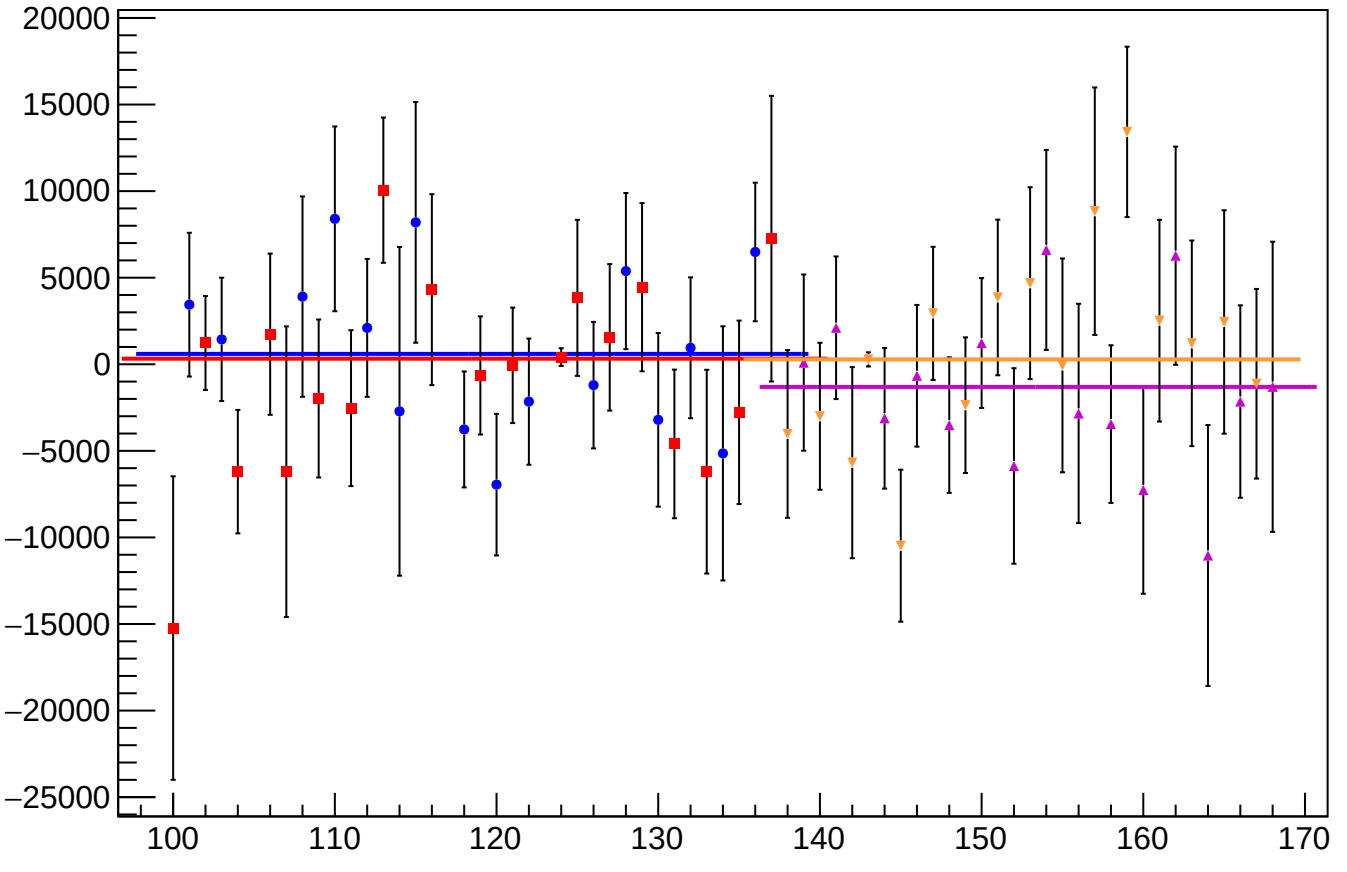
Left: 1901.275+/-0.269 χ^2/NDF: 259051.0/30

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1833.459+/-0.295 χ^2/NDF:735966.3/30

Out: 1846.056+/-0.295 χ^2/NDF:620205.6/34

All: 1839.773+/-0.209 χ^2/NDF: 1357083.4/65



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1307.958+/-1284.454 χ^2/NDF:8.7/14

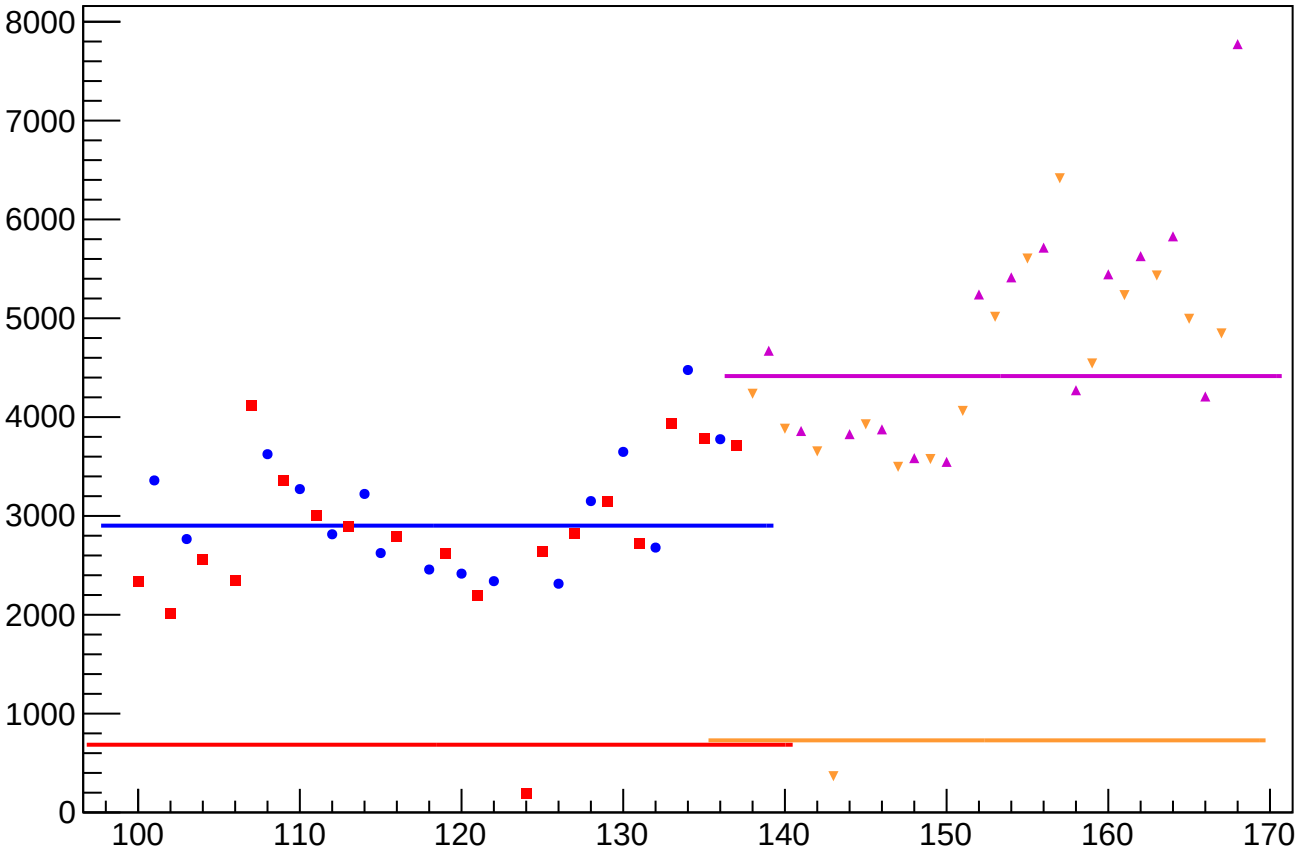
Left: 148.675+/-373.187 χ^2/NDF: 29.8/30

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -207.253+/-835.546 χ^2/NDF:24.8/30

Out: 299.829+/-297.172 χ^2/NDF:38.7/34

All: 242.888+/-279.990 χ^2/NDF: 63.8/65



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4415.175+/-0.908 χ^2/NDF:1031618.1/14

Left: 1040.602+/-0.264 χ^2/NDF: 34015588.3/30

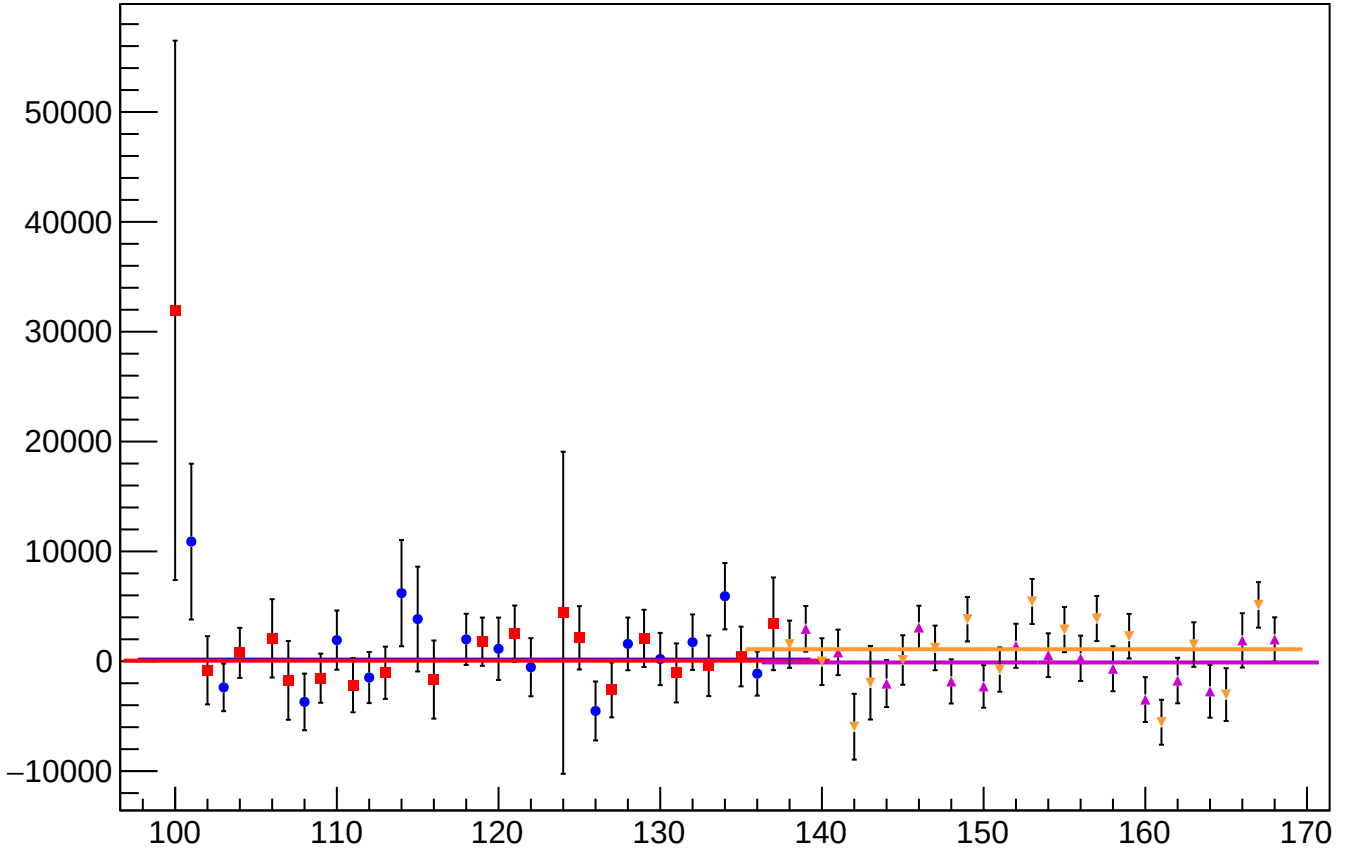
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3542.233+/-0.591 χ^2/NDF:3113978.0/30

Out: 710.930+/-0.210 χ^2/NDF:28022979.2/34

All: 1028.860+/-0.198 χ^2/NDF: 51522995.6/6

eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1092.792+/-541.363 χ^2/NDF:34.4/15

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -108.273+/-535.887 χ^2/NDF:14.9/14

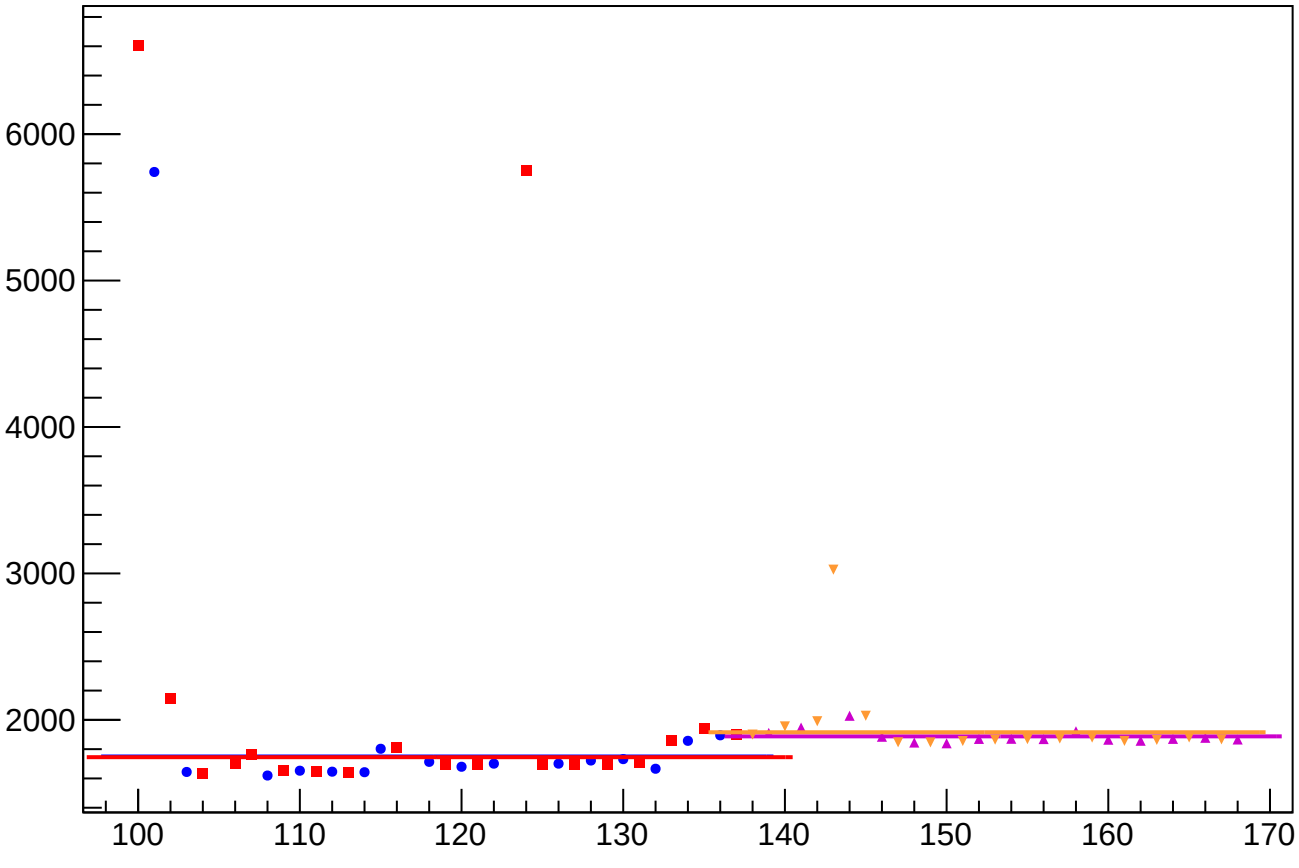
Left: 486.154+/-380.851 χ^2/NDF: 51.7/30

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -6.863+/-417.765 χ^2/NDF:32.6/30

Out: 671.451+/-417.353 χ^2/NDF:44.8/34

All: 332.629+/-295.259 χ^2/NDF: 78.7/65



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1915.421+/-0.383 χ^2/NDF:241644.0/15

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1887.414+/-0.379 χ^2/NDF:14703.3/14

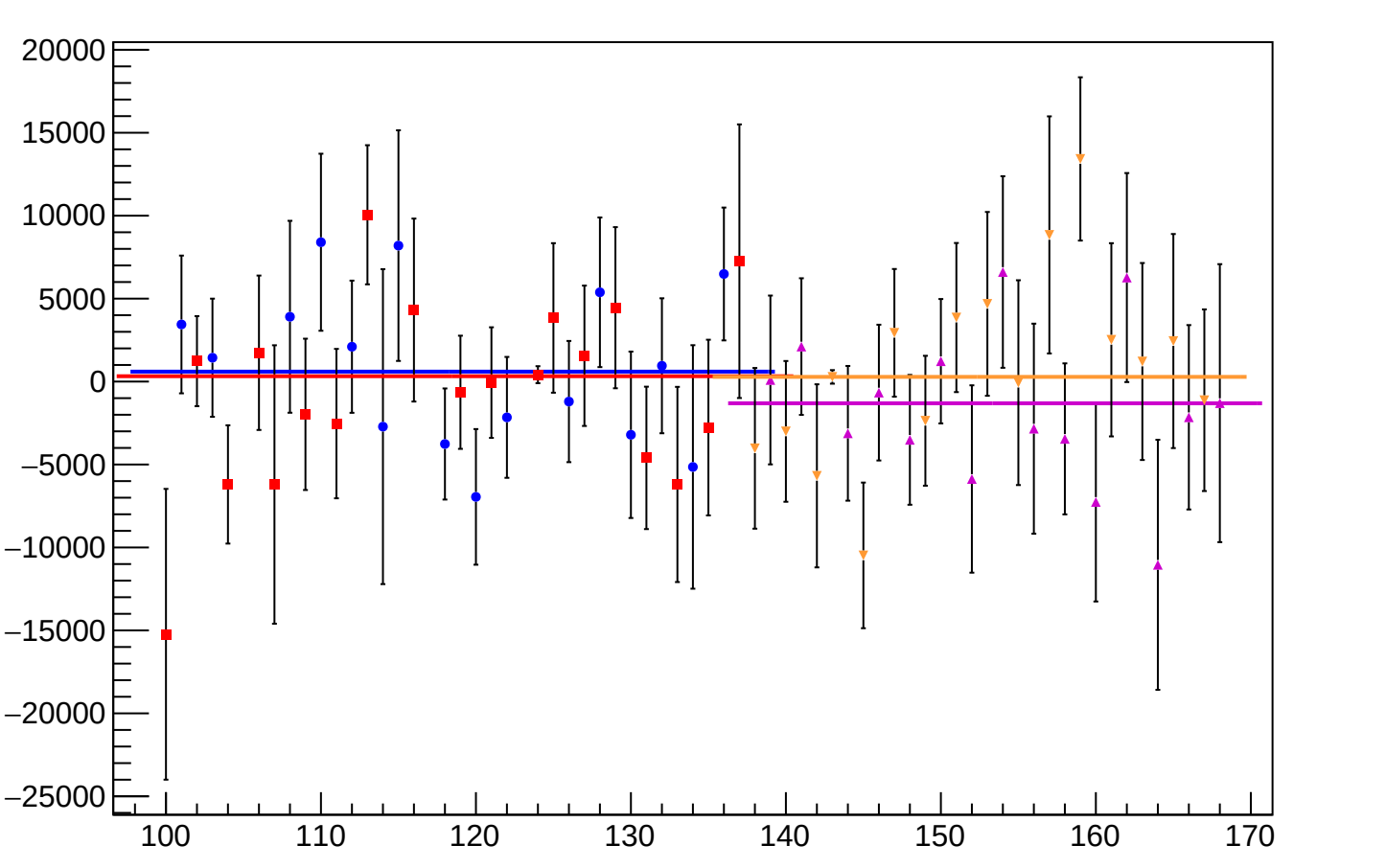
Left: 1901.275+/-0.269 χ^2/NDF: 259051.0/30

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1833.459+/-0.295 χ^2/NDF:735966.3/30

Out: 1846.056+/-0.295 χ^2/NDF:620205.6/34

All: 1839.773+/-0.209 χ^2/NDF: 1357083.4/65



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.972+/-390.012 χ^2/NDF:19.7/15

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1307.958+/-1284.454 χ^2/NDF:8.7/14

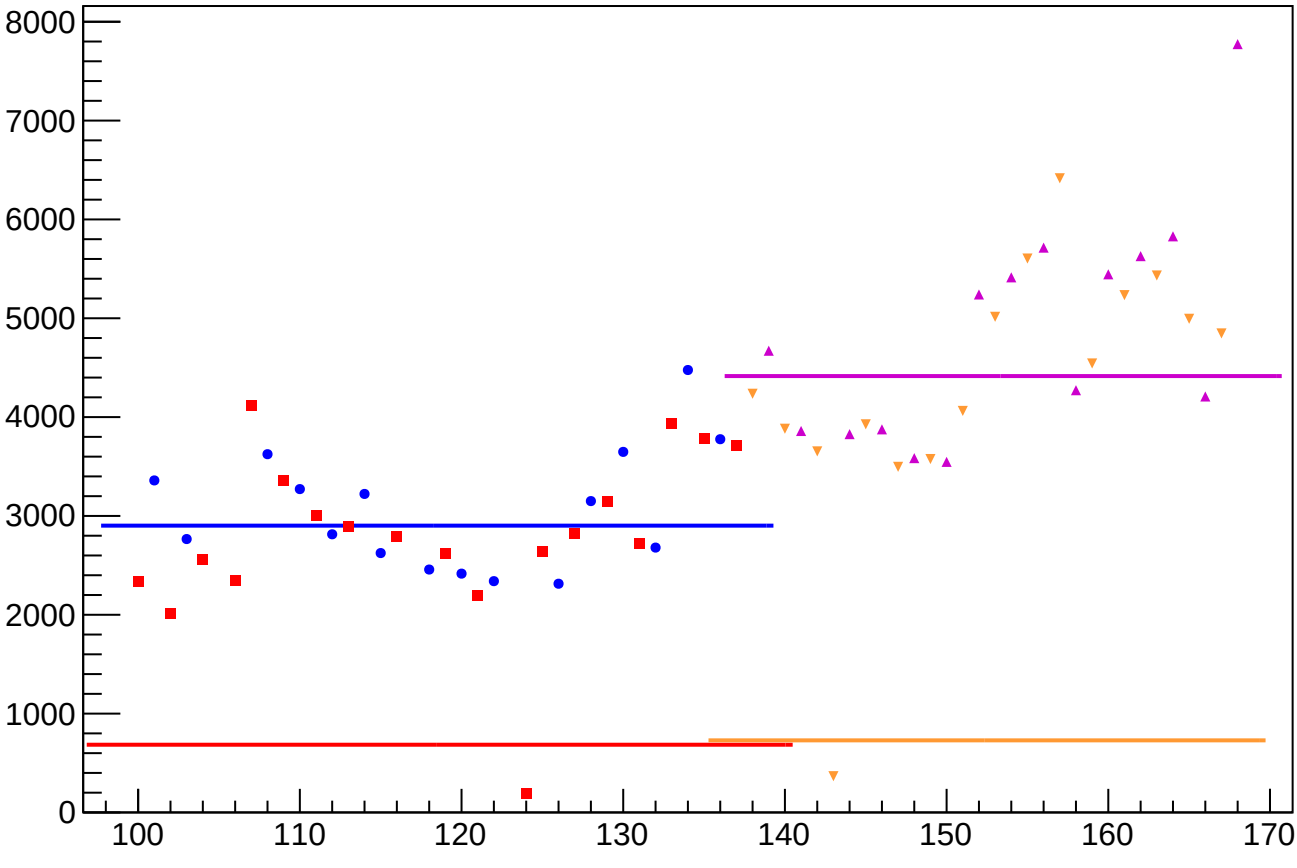
Left: 148.675+/-373.187 χ^2/NDF: 29.8/30

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -207.253+/-835.546 χ^2/NDF:24.8/30

Out: 299.829+/-297.172 χ^2/NDF:38.7/34

All: 242.888+/-279.990 χ^2/NDF: 63.8/65



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 729.476+/-0.276 χ^2/NDF:17906398.5/15

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4415.175+/-0.908 χ^2/NDF:1031618.1/14

Left: 1040.602+/-0.264 χ^2/NDF: 34015588.3/30

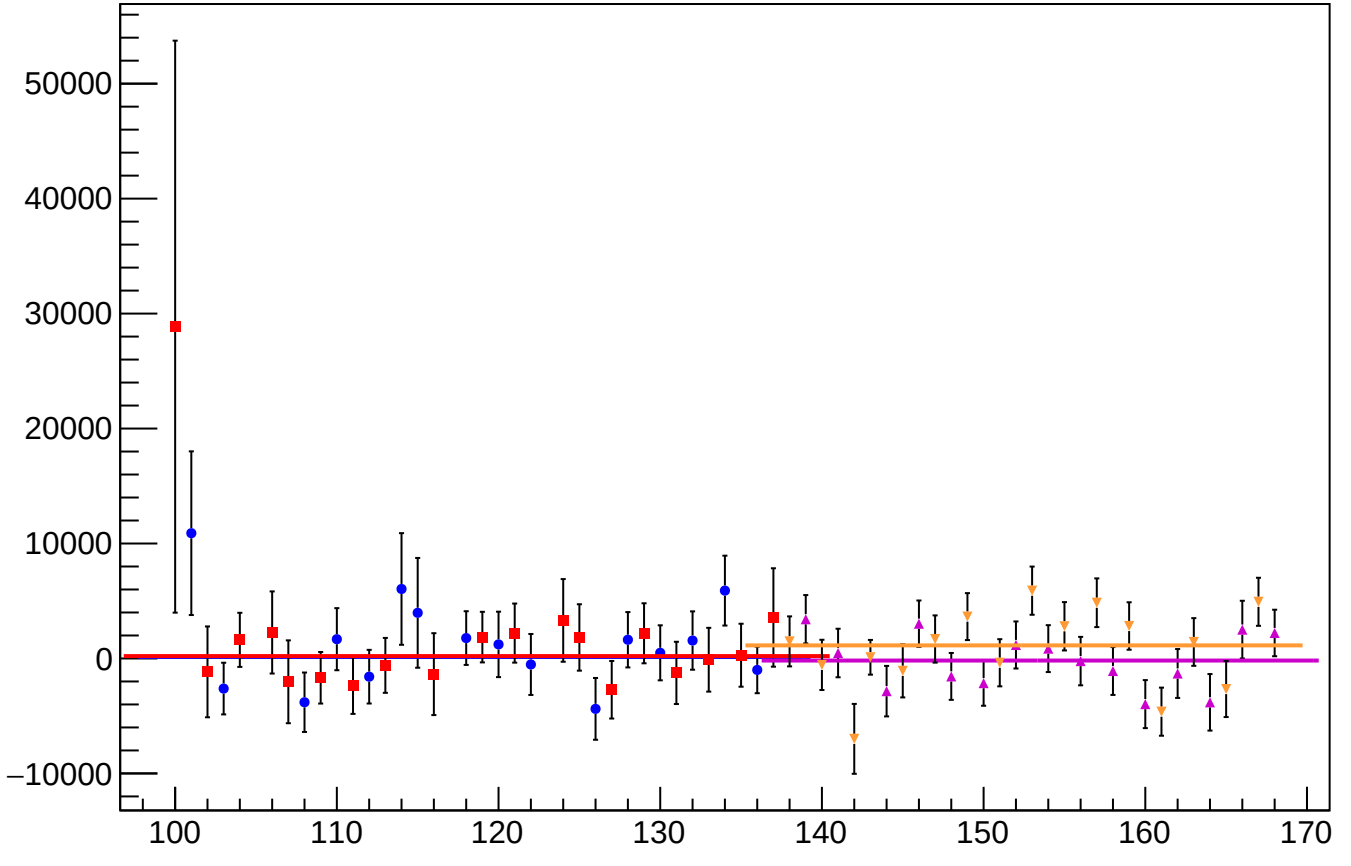
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3542.233+/-0.591 χ^2/NDF:3113978.0/30

Out: 710.930+/-0.210 χ^2/NDF:28022979.2/34

All: 1028.860+/-0.198 χ^2/NDF: 51522995.6/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1139.128+/-524.170 χ^2/NDF:34.1/15

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -179.691+/-545.823 χ^2/NDF:17.7/14

Left: 506.396+/-378.067 χ^2/NDF: 54.8/30

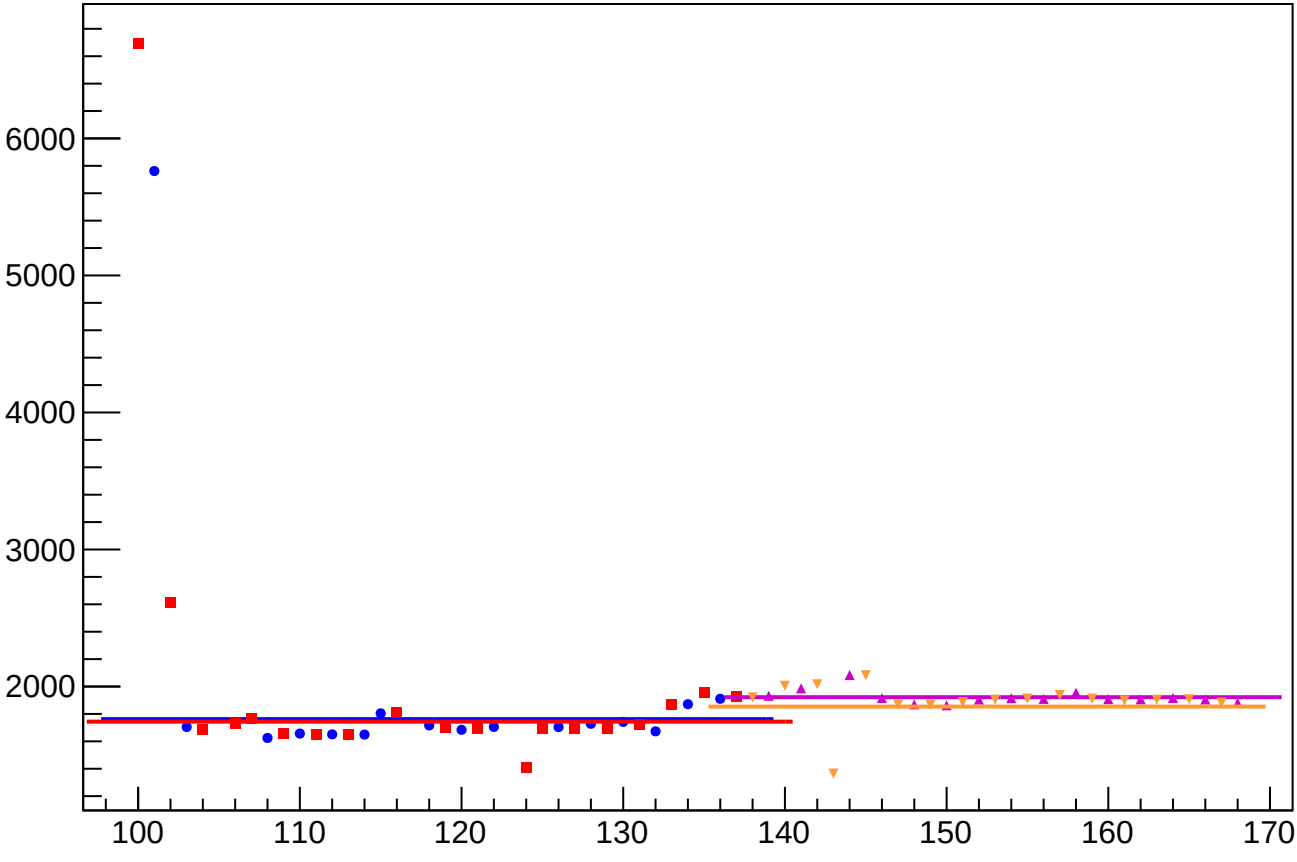
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -54.981+/-423.580 χ^2/NDF:35.1/30

Out: 774.234+/-409.121 χ^2/NDF:45.1/34

All: 374.022+/-294.271 χ^2/NDF: 82.2/65

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.820+/-0.371 χ^2/NDF:258539.5/15

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1922.222+/-0.386 χ^2/NDF:17724.9/14

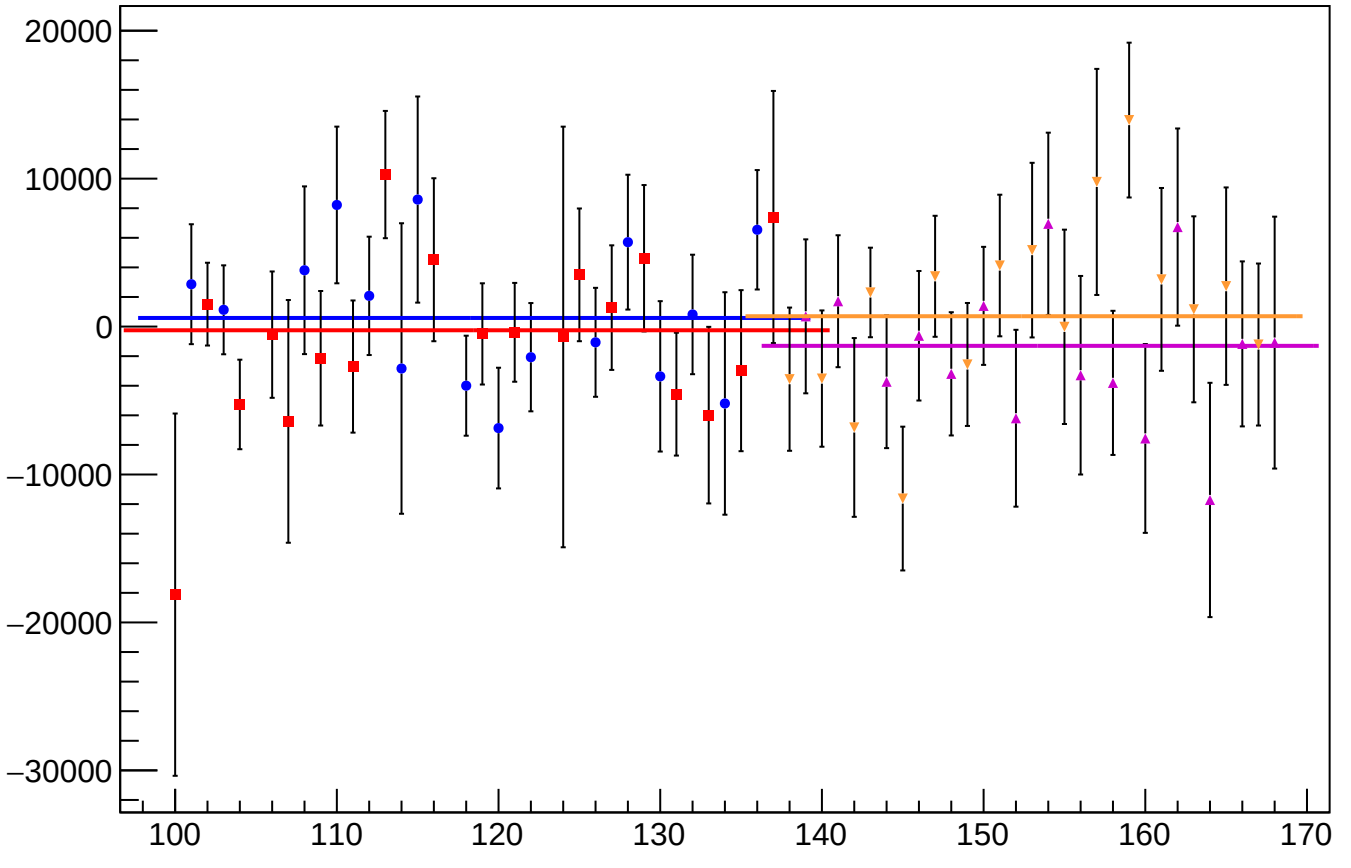
Left: 1886.637+/-0.267 χ^2/NDF: 292604.8/30

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.512+/-0.300 χ^2/NDF:753925.0/30

Out: 1810.642+/-0.289 χ^2/NDF:520904.6/34

All: 1833.719+/-0.208 χ^2/NDF: 1288059.3/65



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 699.166+/-1247.210 χ^2/NDF:20.2/15

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1302.786+/-1364.481 χ^2/NDF:8.5/14

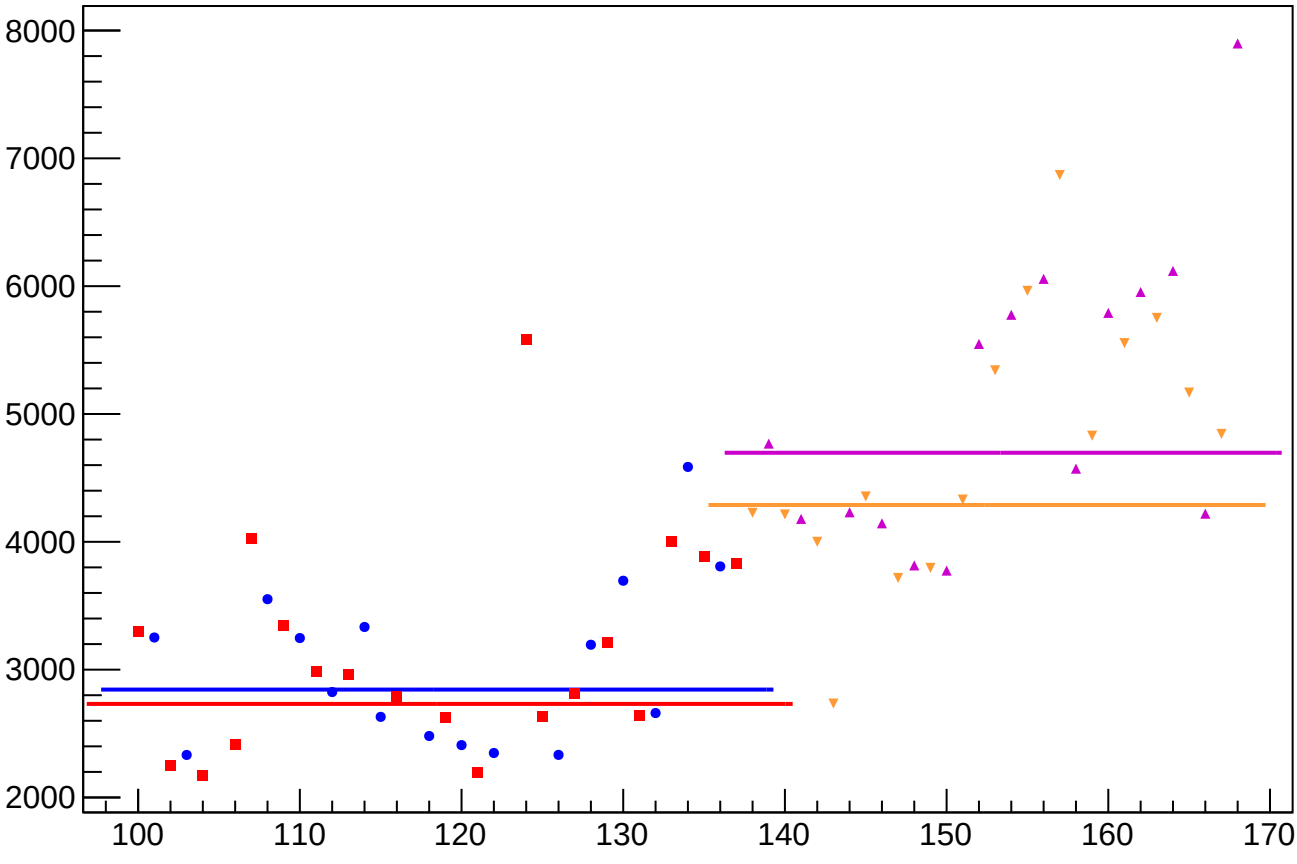
Left: -212.099+/-920.583 χ^2/NDF: 30.0/30

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -145.065+/-847.548 χ^2/NDF:24.6/30

Out: 130.726+/-790.044 χ^2/NDF:38.5/34

All: 2.503+/-577.906 χ^2/NDF: 63.1/65



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4288.230+/-0.882 χ^2/NDF:1291067.1/15

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4696.714+/-0.965 χ^2/NDF:954399.5/14

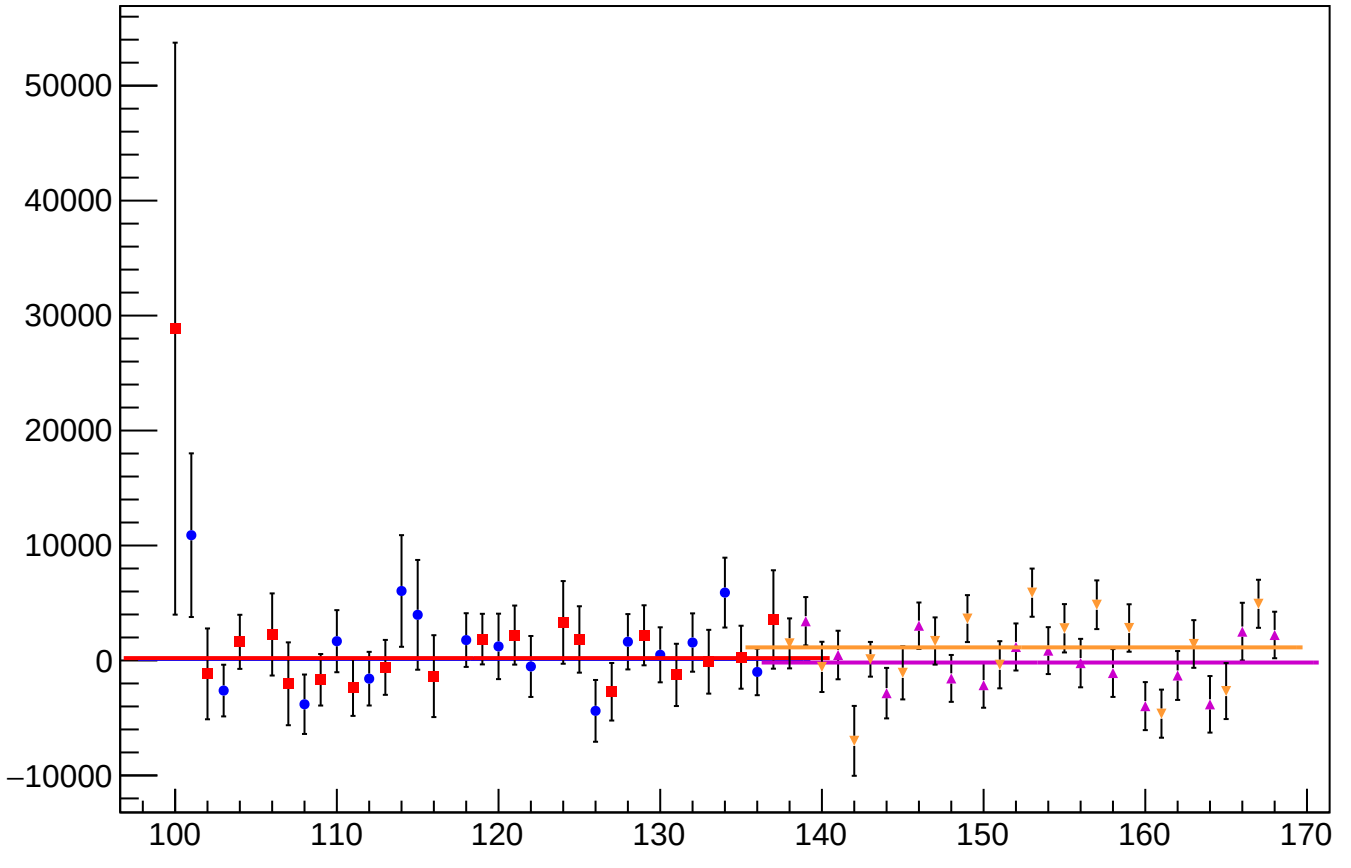
Left: 4474.167+/-0.651 χ^2/NDF: 2343120.9/30

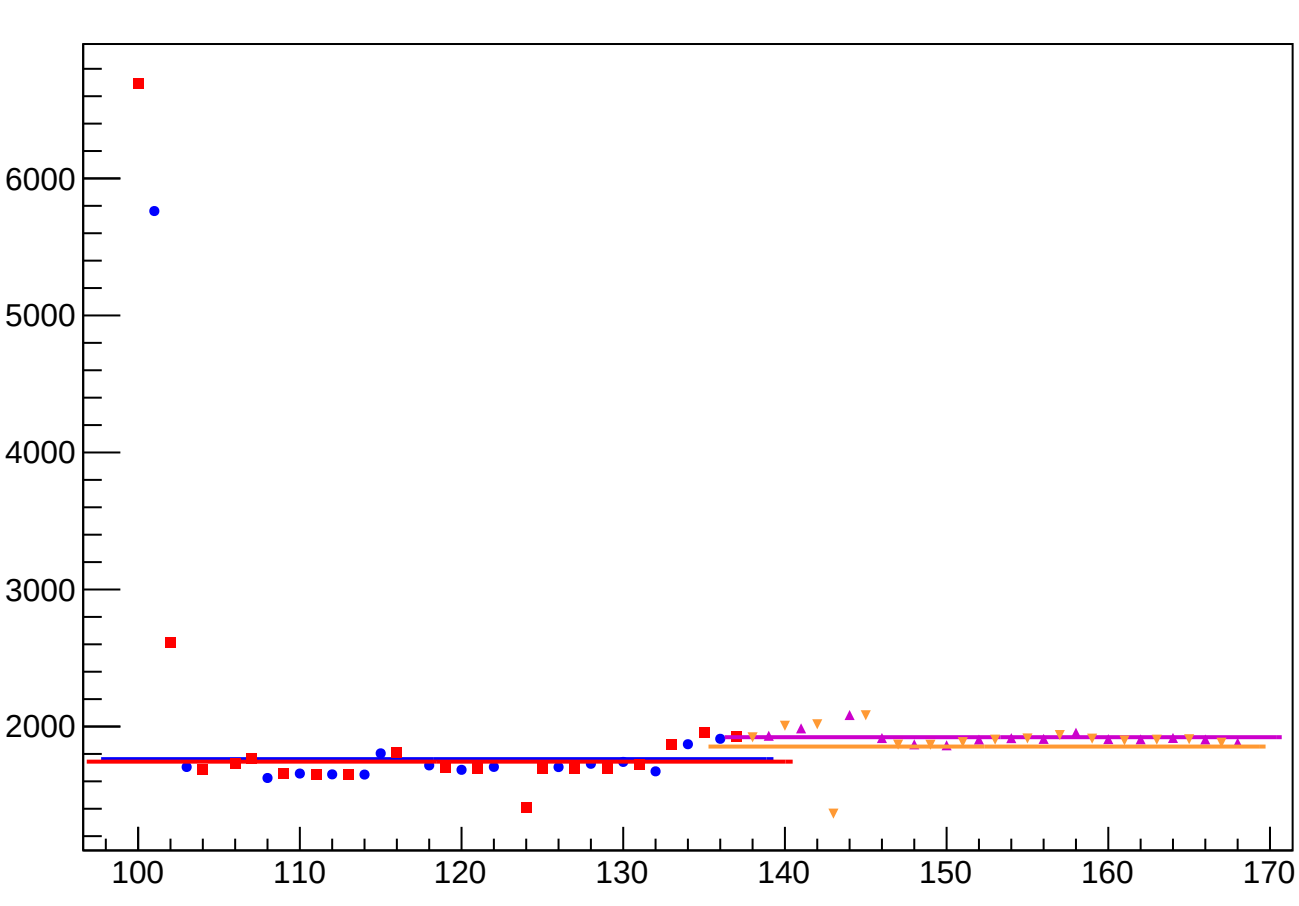
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3558.922+/-0.599 χ^2/NDF:3760714.5/30

Out: 3356.435+/-0.559 χ^2/NDF:3766792.8/34

All: 3450.577+/-0.409 χ^2/NDF: 7588588.4/65


eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 133.837+/-671.621 χ²/NDF: 17.3/15
Left Out: 1139.130+/-524.170 χ²/NDF:34.1/15
Right Out: 205.422+/-654.444 χ²/NDF: 9.7/18
Left In: -179.693+/-545.823 χ²/NDF:17.7/14
Left: 506.396+/-378.067 χ²/NDF: 54.8/30
Right: 170.557+/-468.717 χ²/NDF: 27.0/34
In: -54.983+/-423.580 χ²/NDF:35.1/30
Out: 774.235+/-409.121 χ²/NDF:45.1/34
All: 374.021+/-294.271 χ²/NDF: 82.2/65



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.821+/-0.371 χ^2/NDF:258540.8/15

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1922.223+/-0.386 χ^2/NDF:17725.1/14

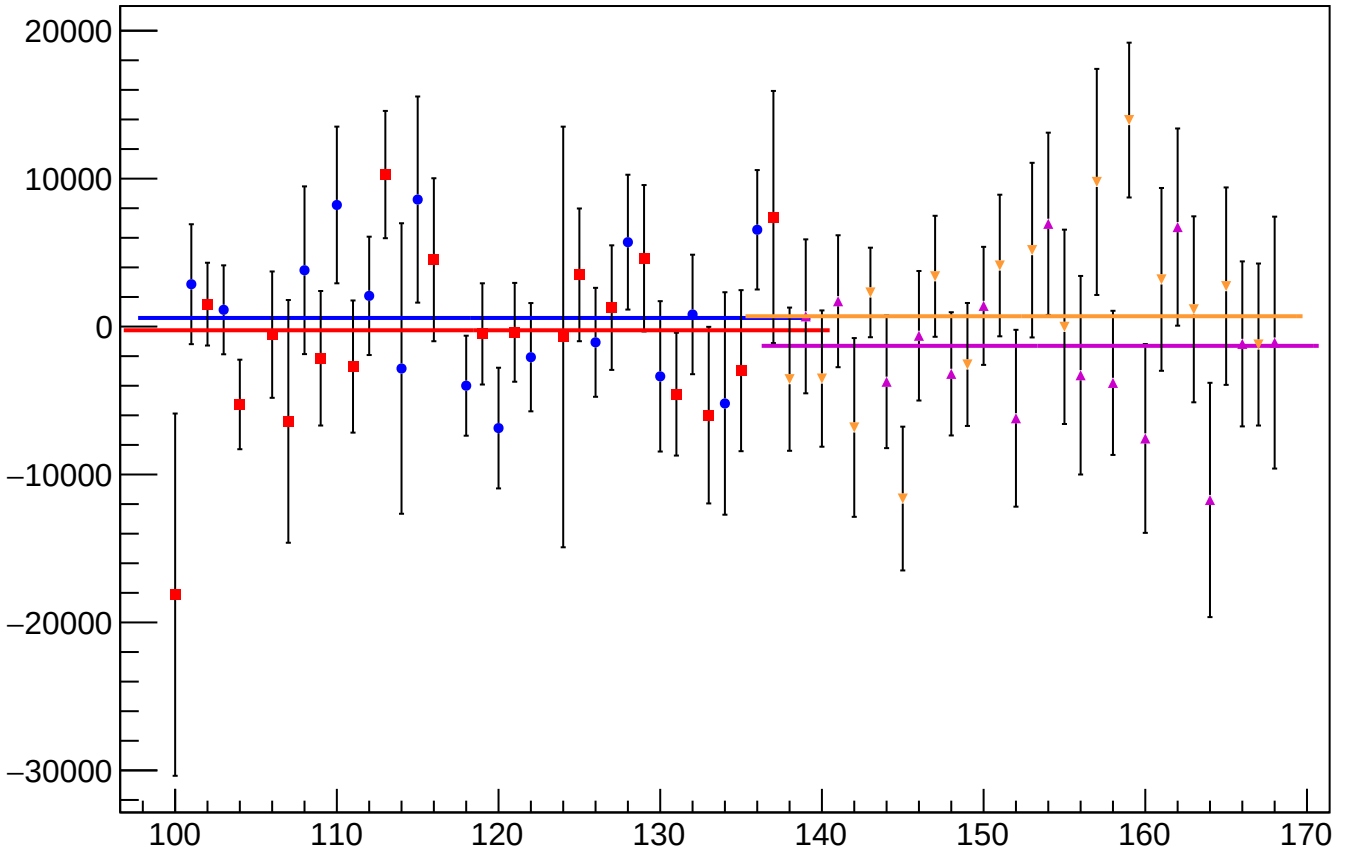
Left: 1886.638+/-0.267 χ^2/NDF: 292606.3/30

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.513+/-0.300 χ^2/NDF:753926.0/30

Out: 1810.643+/-0.289 χ^2/NDF:520906.4/34

All: 1833.720+/-0.208 χ^2/NDF: 1288062.2/65



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 699.171+/-1247.212 χ^2/NDF:20.2/15

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1302.786+/-1364.483 χ^2/NDF:8.5/14

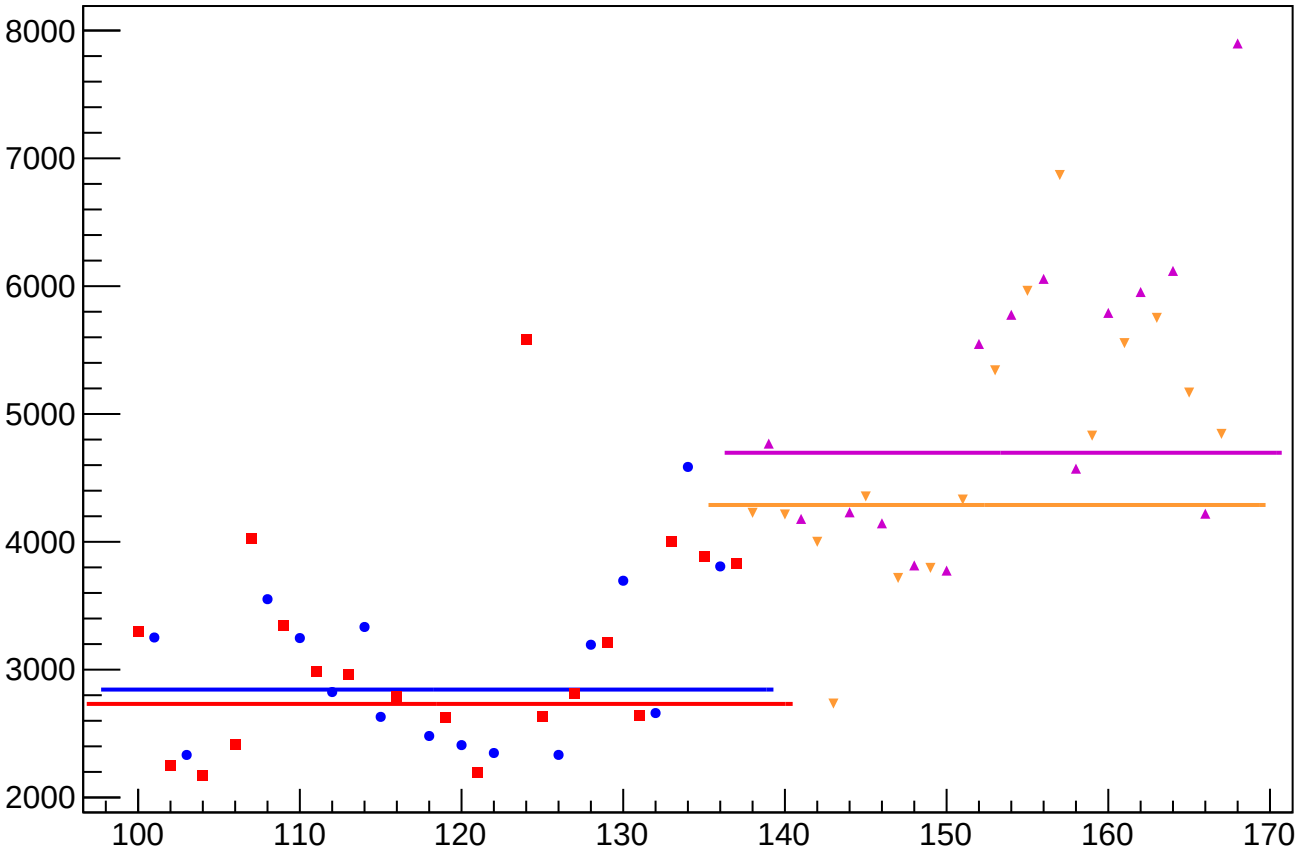
Left: -212.096+/-920.584 χ^2/NDF: 30.0/30

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: -145.065+/-847.547 χ^2/NDF:24.6/30

Out: 130.725+/-790.043 χ^2/NDF:38.5/34

All: 2.503+/-577.905 χ^2/NDF: 63.1/65



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4288.235+/-0.882 χ^2/NDF:1291073.5/15

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4696.720+/-0.965 χ^2/NDF:954402.0/14

Left: 4474.173+/-0.651 χ^2/NDF: 2343130.3/30

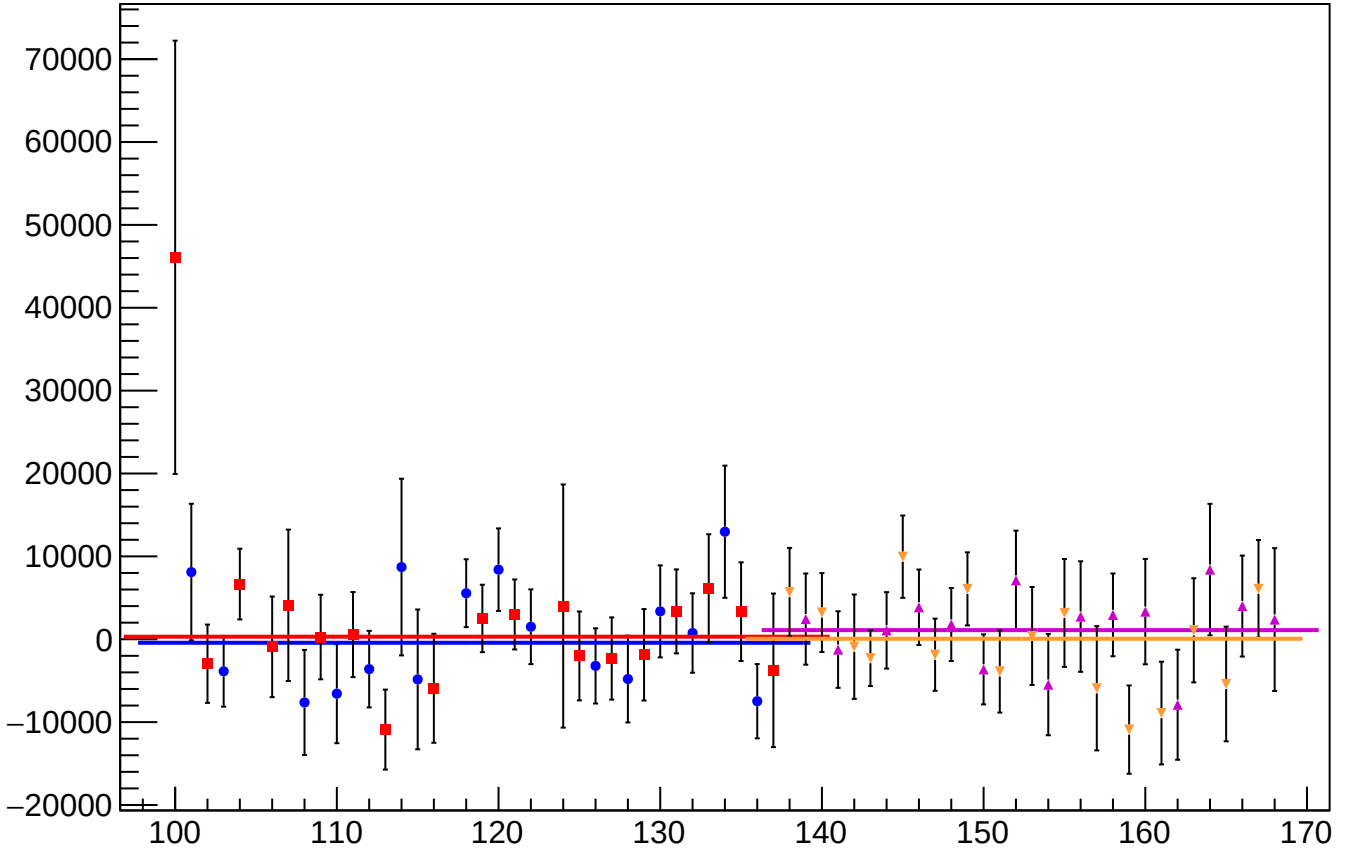
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3558.916+/-0.599 χ^2/NDF:3760755.8/30

Out: 3356.431+/-0.559 χ^2/NDF:3766822.3/34

All: 3450.572+/-0.409 χ^2/NDF: 7588658.2/65

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 61.634+/-1308.772 χ^2/NDF:17.6/15

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1100.847+/-1409.269 χ^2/NDF:7.4/14

Left: 542.869+/-959.004 χ^2/NDF: 25.3/30

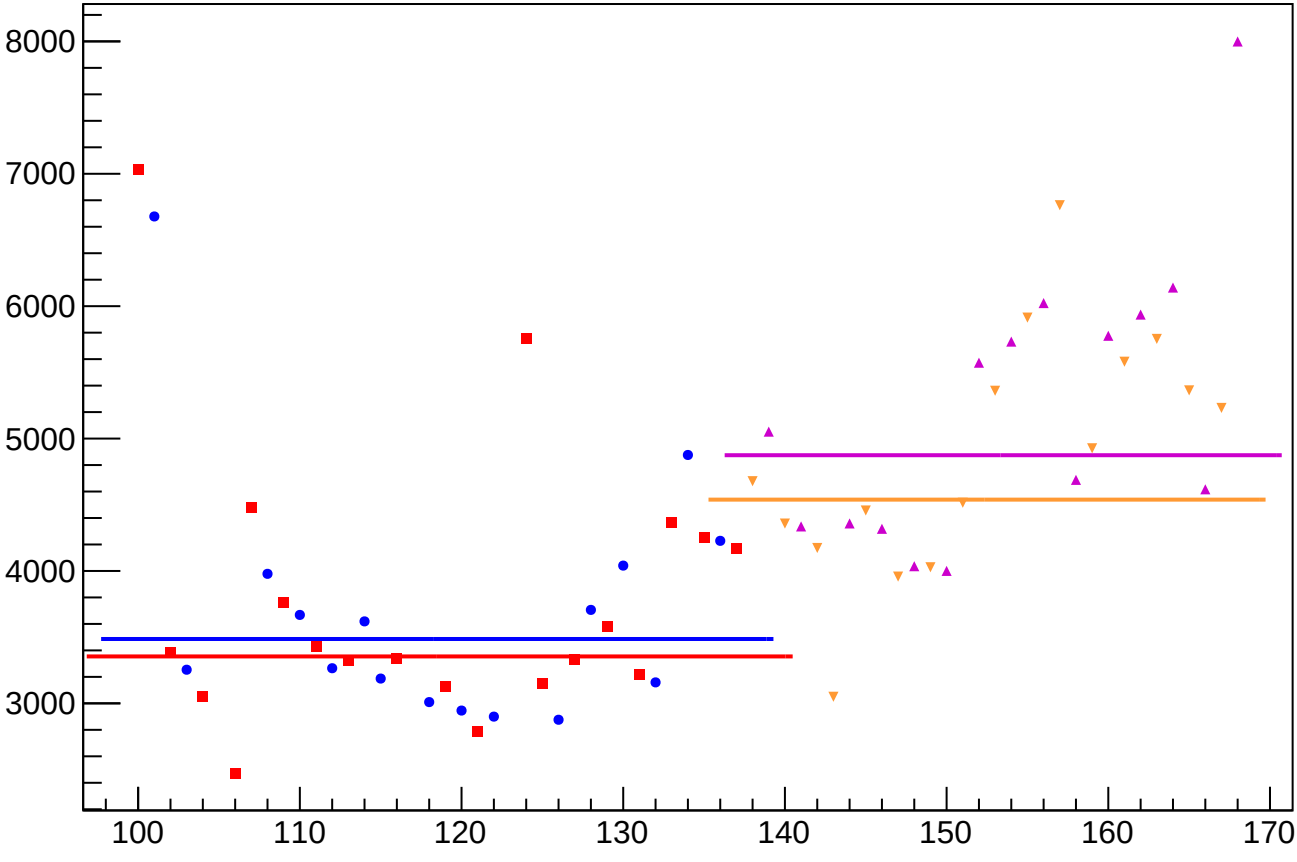
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 293.227+/-966.206 χ^2/NDF:25.9/30

Out: 187.877+/-913.531 χ^2/NDF:32.9/34

All: 237.602+/-663.805 χ^2/NDF: 58.8/65

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4538.827+/-0.925 χ^2/NDF:964990.4/15

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4874.293+/-0.997 χ^2/NDF:779569.0/14

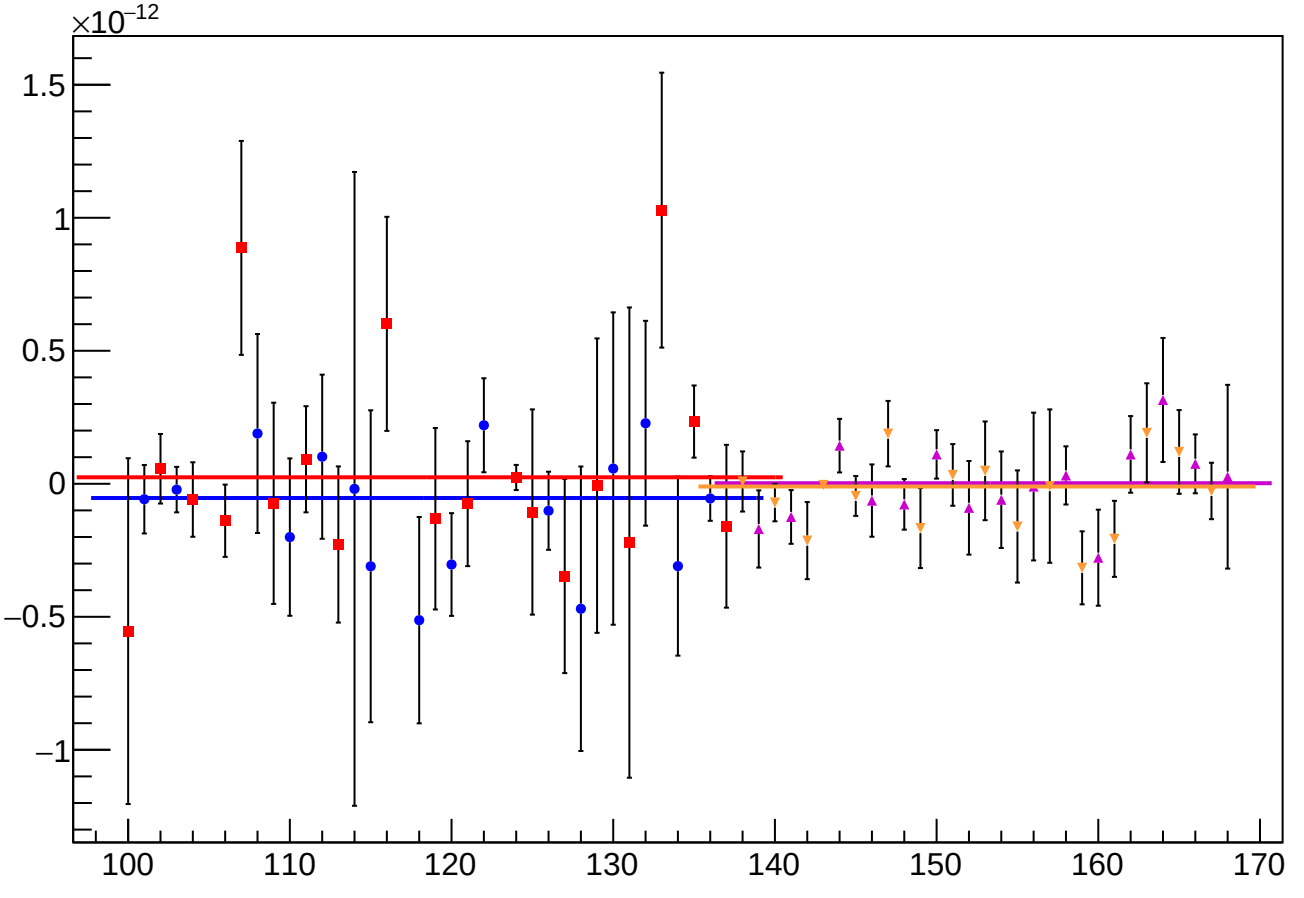
Left: 4694.174+/-0.678 χ^2/NDF: 1805408.1/30

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4138.665+/-0.683 χ^2/NDF:2403682.3/30

Out: 3923.177+/-0.641 χ^2/NDF:2192819.2/34

All: 4024.109+/-0.468 χ^2/NDF: 4649386.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/14

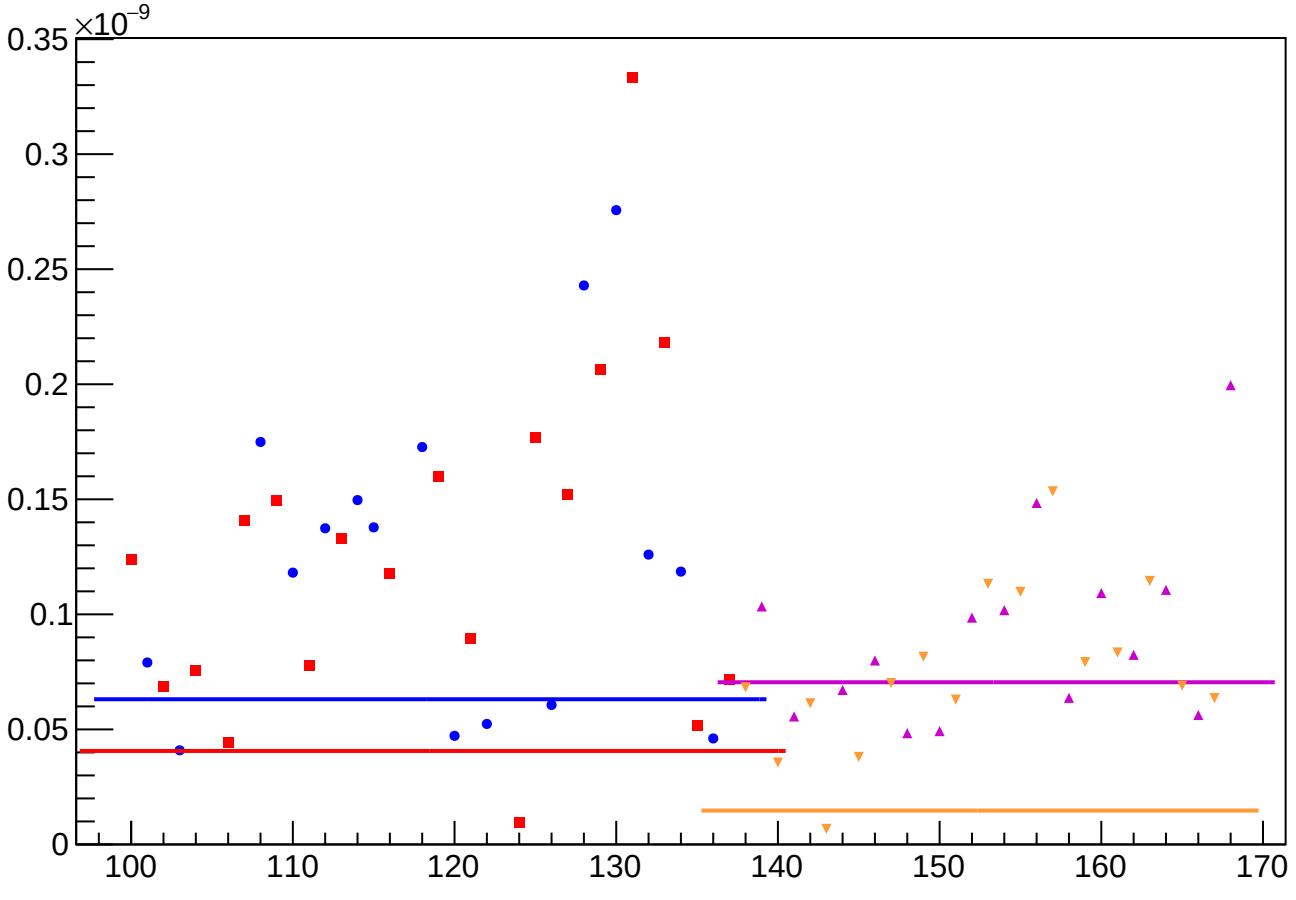
Left: -0.000+/-0.000 χ^2/NDF: 29.4/30

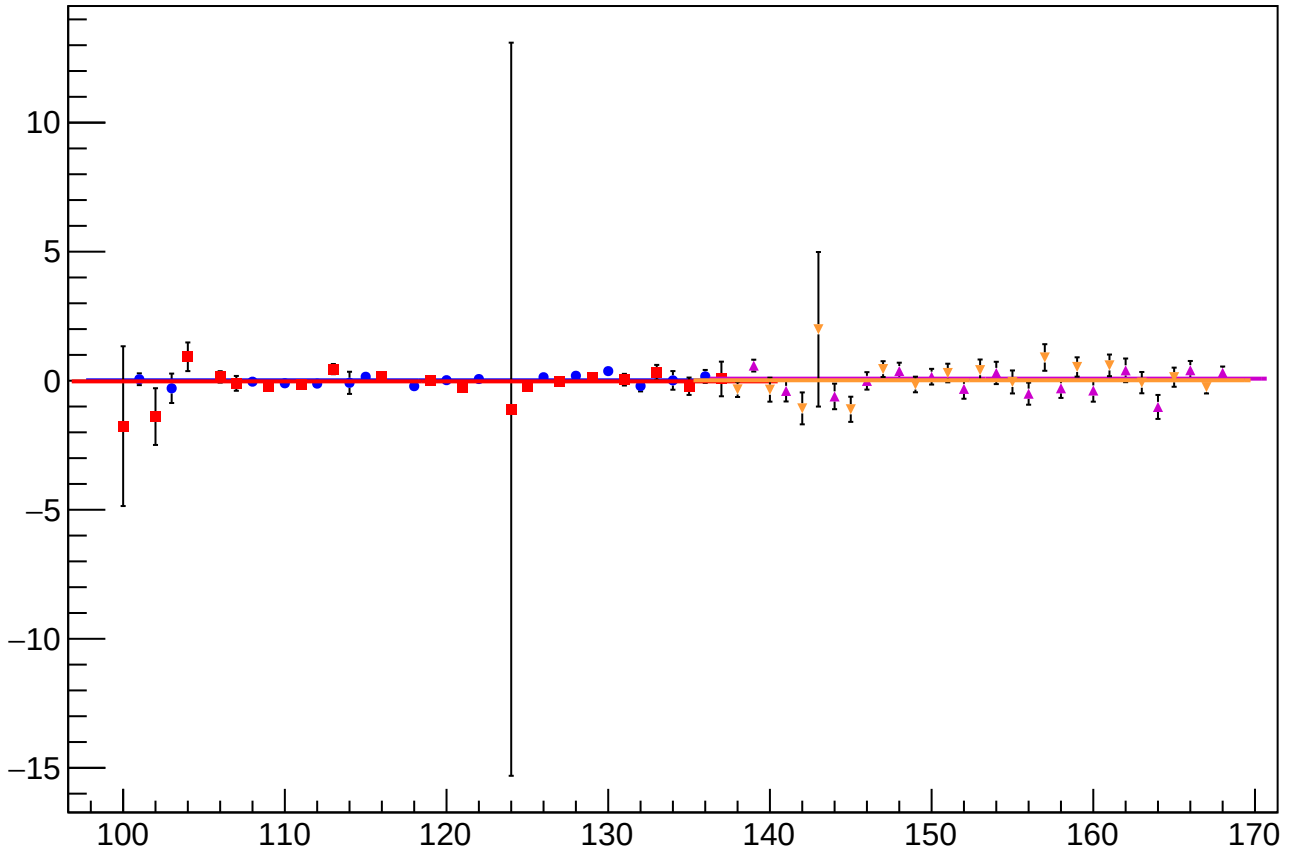
Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:22.6/30

Out: -0.000+/-0.000 χ^2/NDF:35.6/34

All: -0.000+/-0.000 χ^2/NDF: 58.3/65


asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1432018.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6511533.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 3172346.7/18
Left In: 0.000+/-0.000 χ²/NDF:1129062.8/14
Left: 0.000+/-0.000 χ²/NDF: 12485246.6/30
Right: 0.000+/-0.000 χ²/NDF: 4914964.6/34
In: 0.000+/-0.000 χ²/NDF:2596094.0/30
Out: 0.000+/-0.000 χ²/NDF:10629400.5/34
All: 0.000+/-0.000 χ²/NDF: 19203926.6/65



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.080+/-0.090 χ^2/NDF:22.2/14

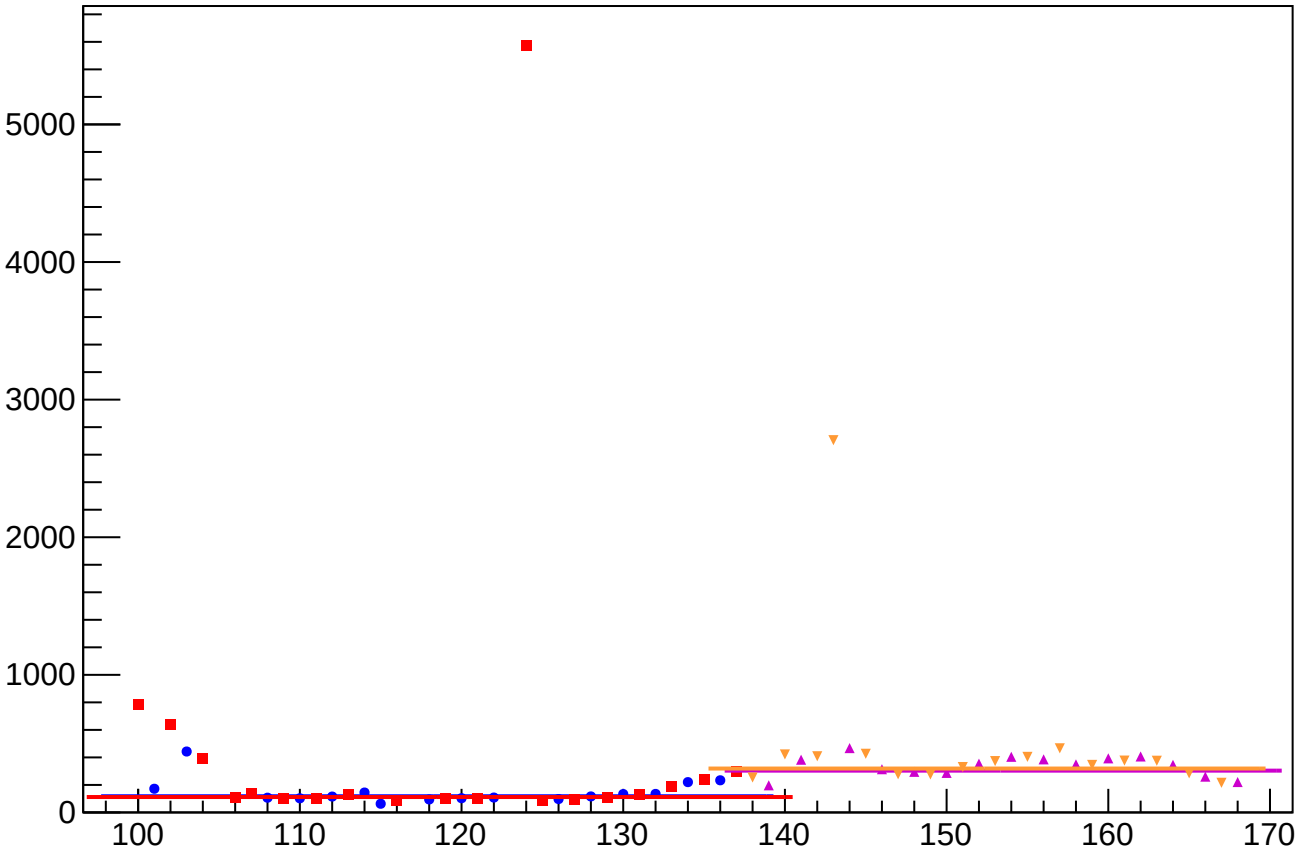
Left: 0.050+/-0.066 χ^2/NDF: 45.2/30

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.030+/-0.042 χ^2/NDF:34.4/30

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.006+/-0.030 χ^2/NDF: 80.1/65



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 319.149+/-0.067 χ^2/NDF:2415619.6/15

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.885+/-0.064 χ^2/NDF:1451548.0/14

Left: 311.091+/-0.046 χ^2/NDF: 3894169.1/30

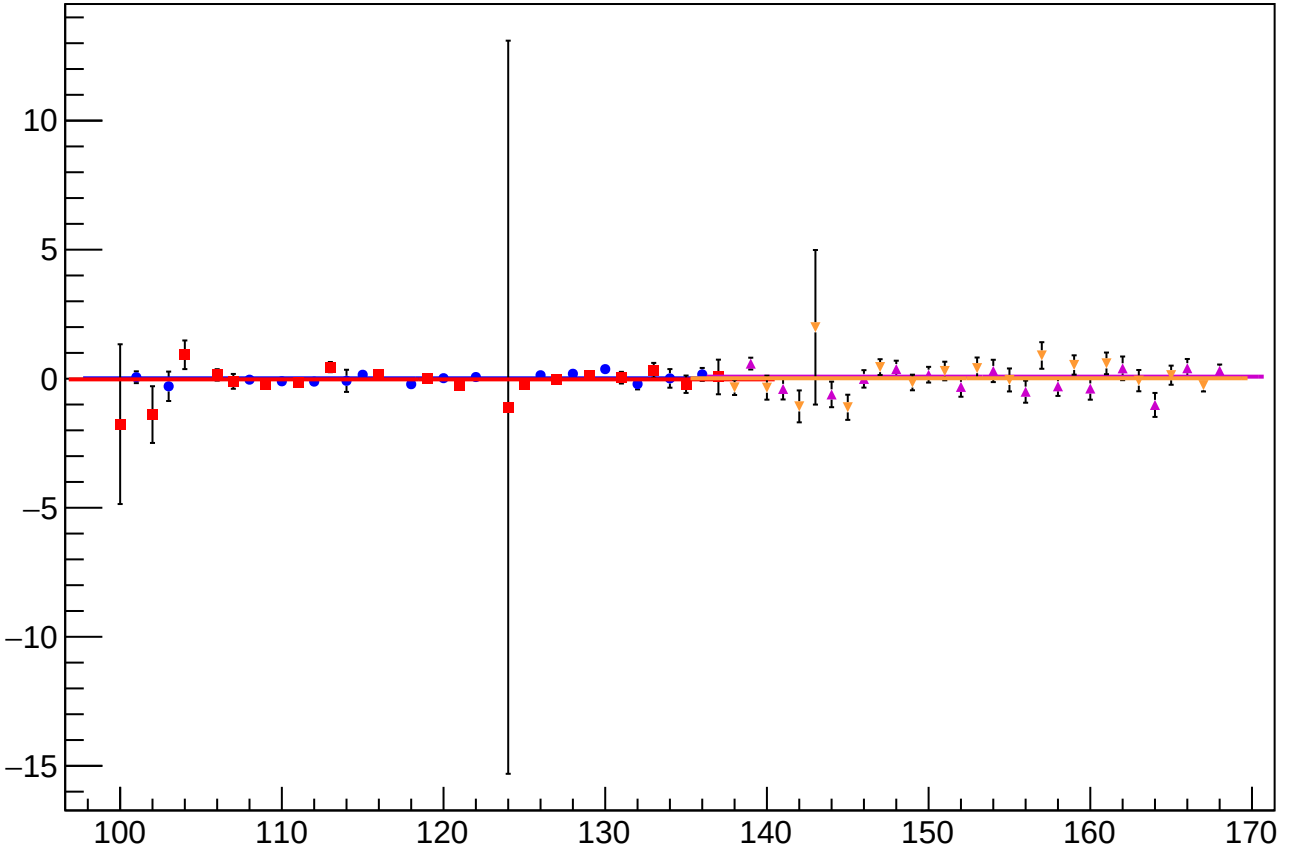
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 158.560+/-0.030 χ^2/NDF:9817241.6/30

Out: 152.311+/-0.030 χ^2/NDF:12185225.0/34

All: 155.417+/-0.021 χ^2/NDF: 22024421.6/65

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: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.080+/-0.090 χ^2/NDF:22.2/14

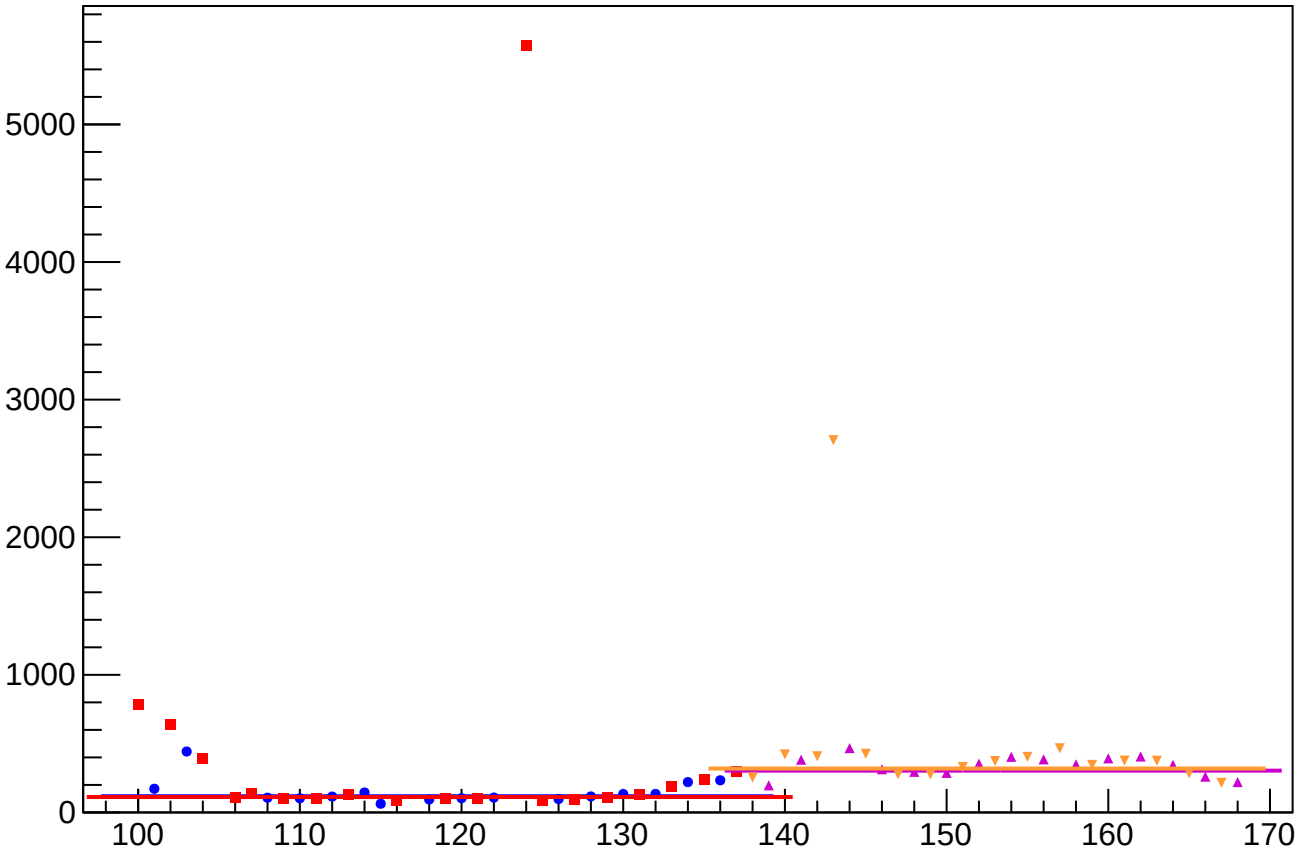
Left: 0.050+/-0.066 χ^2/NDF: 45.2/30

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.030+/-0.042 χ^2/NDF:34.4/30

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.006+/-0.030 χ^2/NDF: 80.1/65



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 319.149+/-0.067 χ^2/NDF:2415619.6/15

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.885+/-0.064 χ^2/NDF:1451548.0/14

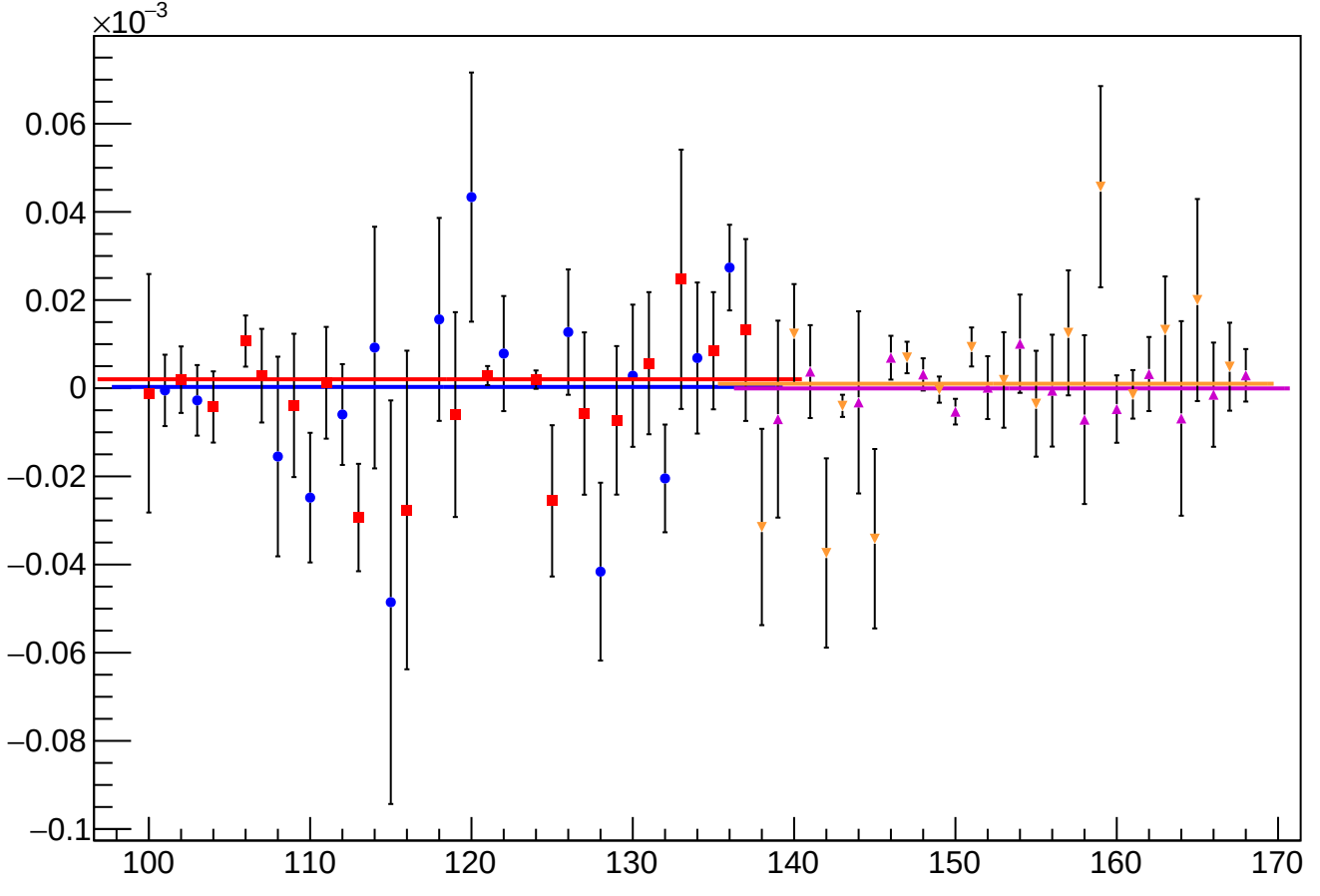
Left: 311.091+/-0.046 χ^2/NDF: 3894169.1/30

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 158.560+/-0.030 χ^2/NDF:9817241.6/30

Out: 152.311+/-0.030 χ^2/NDF:12185225.0/34

All: 155.417+/-0.021 χ^2/NDF: 22024421.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/14

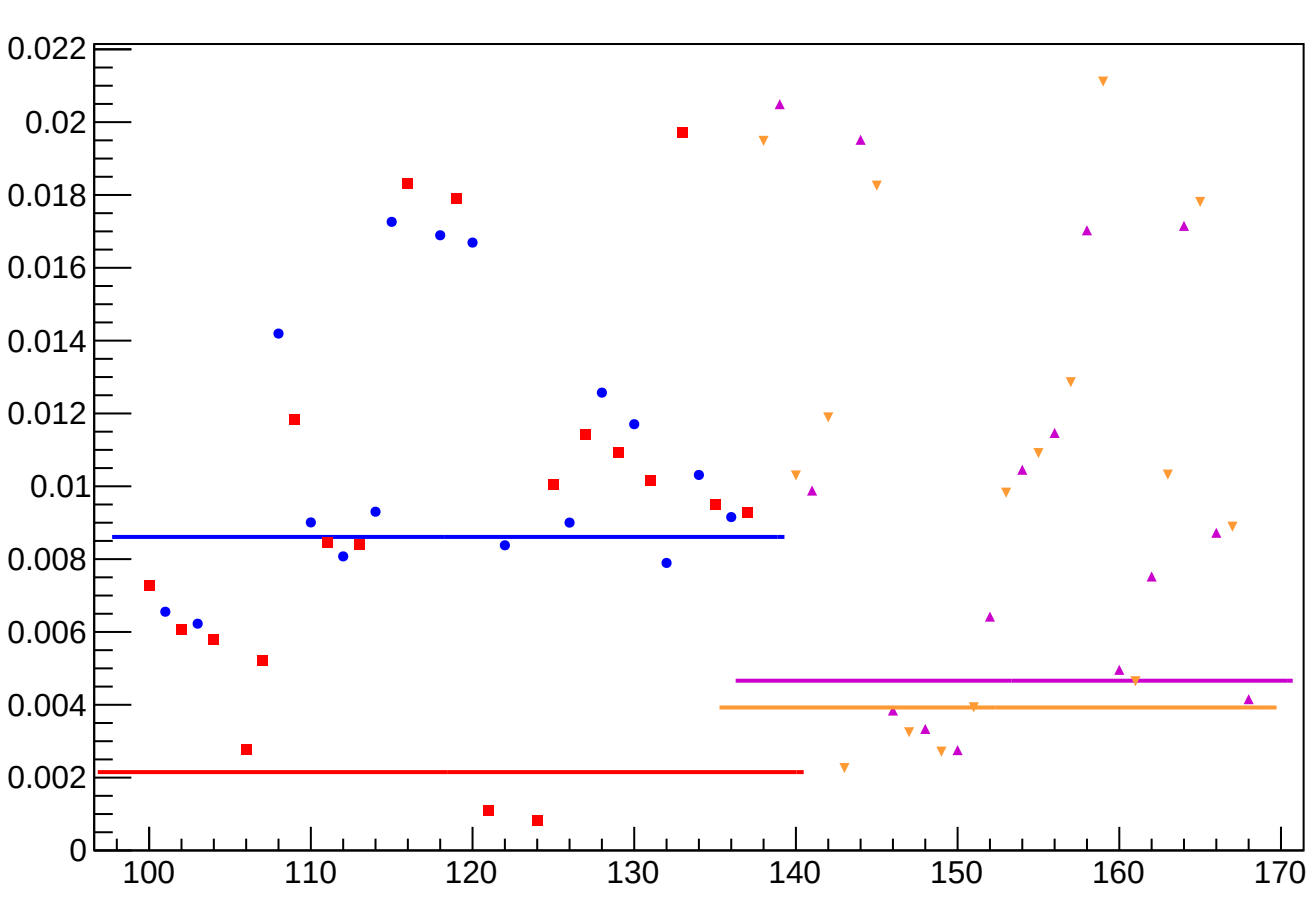
Left: 0.000+/-0.000 χ^2/NDF: 34.9/30

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:32.2/30

Out: 0.000+/-0.000 χ^2/NDF:41.6/34

All: 0.000+/-0.000 χ^2/NDF: 74.5/65



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:9178808.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6901940.2/14

Left: 0.004+/-0.000 χ^2/NDF: 16302083.9/30

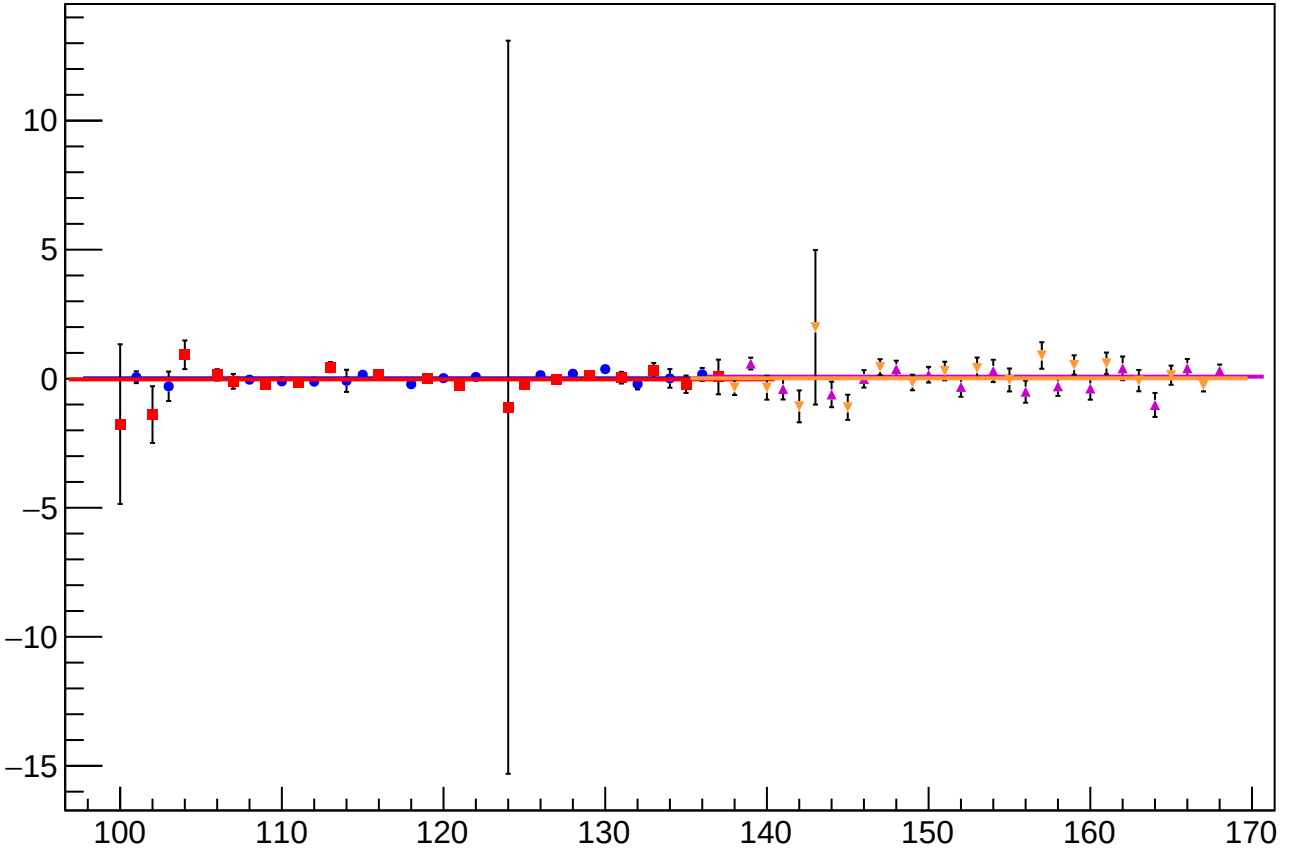
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:10207526.1/30

Out: 0.003+/-0.000 χ^2/NDF:19909964.7/34

All: 0.004+/-0.000 χ^2/NDF: 33899019.0/65

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: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.080+/-0.090 χ^2/NDF:22.2/14

Left: 0.050+/-0.066 χ^2/NDF: 45.2/30

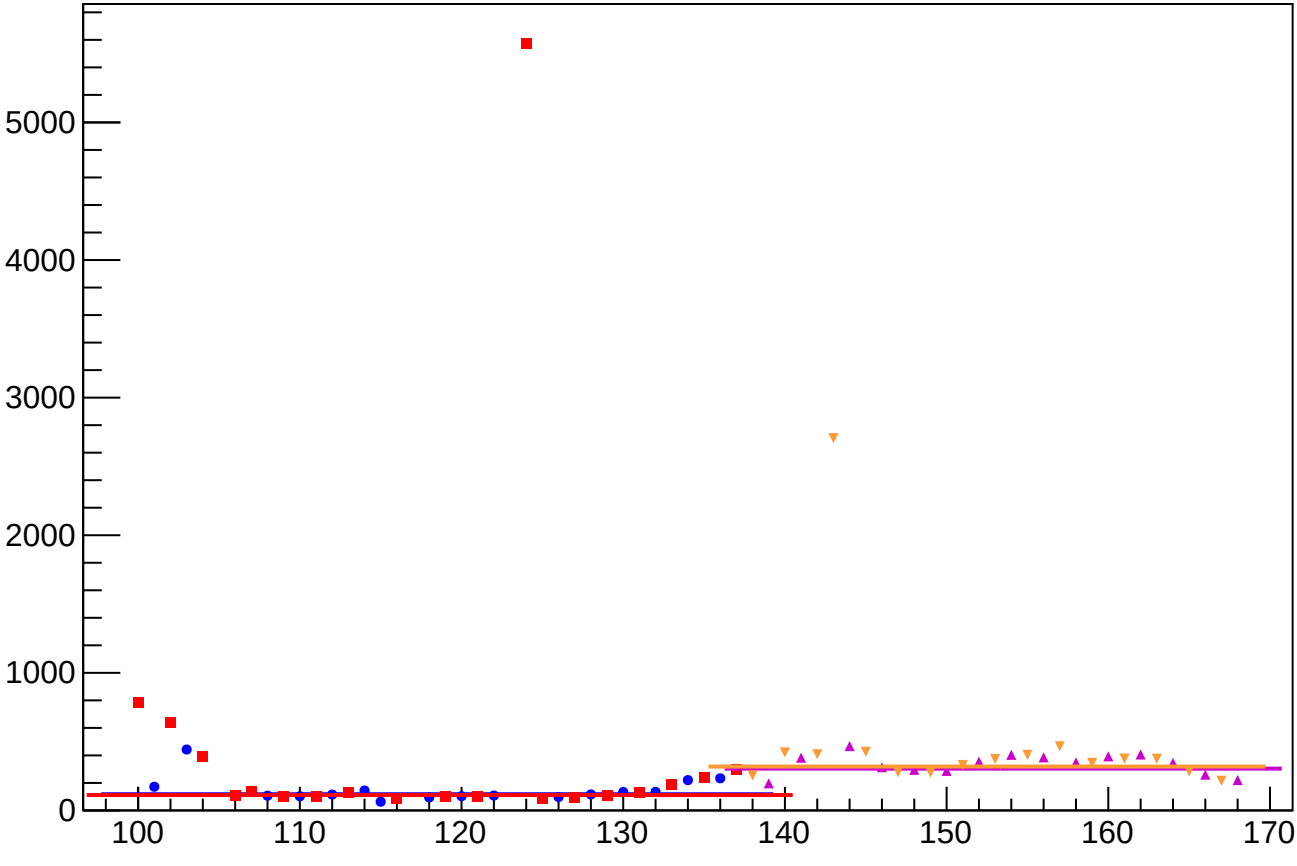
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.030+/-0.042 χ^2/NDF:34.4/30

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.006+/-0.030 χ^2/NDF: 80.1/65

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 319.152+/-0.067 χ^2/NDF:2415682.8/15

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.889+/-0.064 χ^2/NDF:1451550.6/14

Left: 311.095+/-0.046 χ^2/NDF: 3894230.7/30

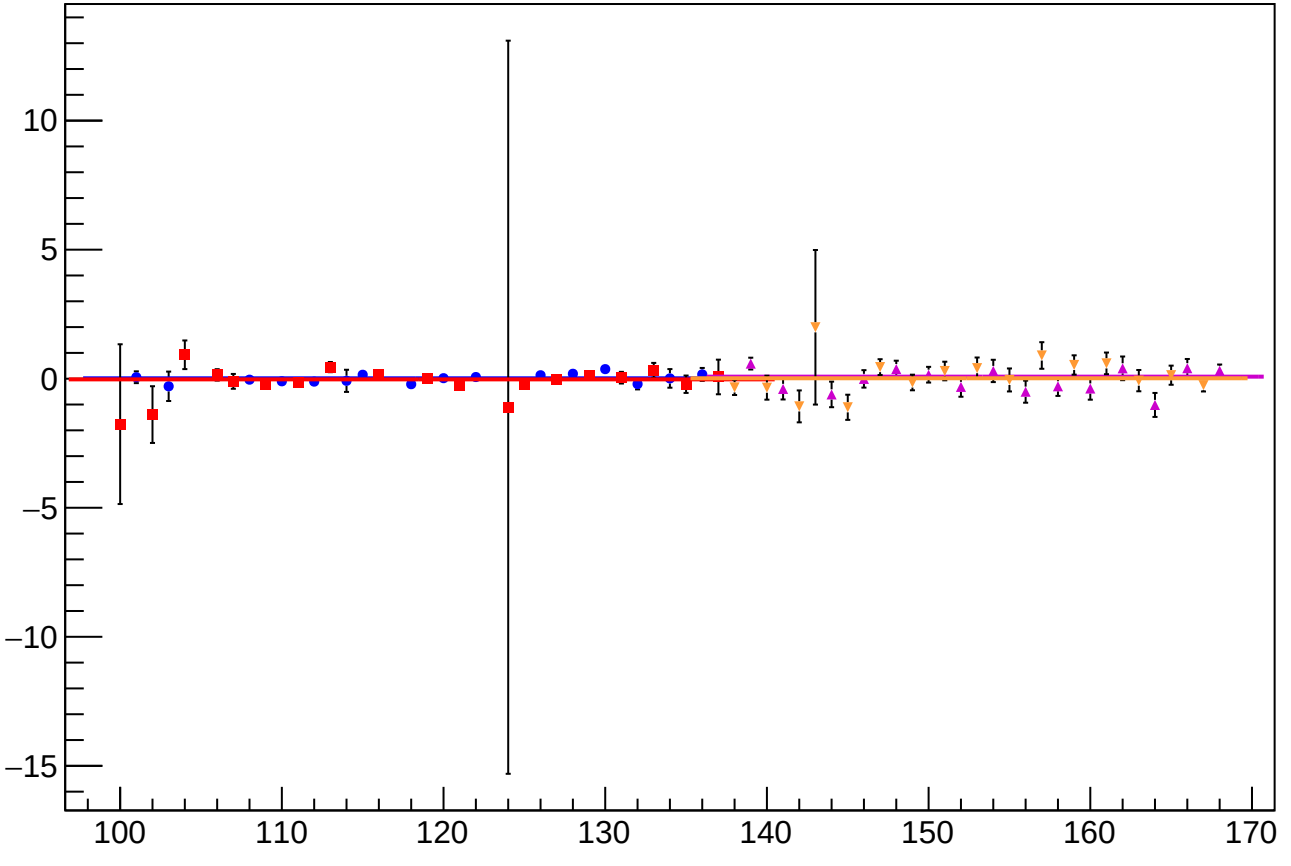
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 158.561+/-0.030 χ^2/NDF:9817368.4/30

Out: 152.313+/-0.030 χ^2/NDF:12185169.2/34

All: 155.418+/-0.021 χ^2/NDF: 22024479.3/65

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: 0.017+/-0.095 χ^2/NDF:22.8/15

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.080+/-0.090 χ^2/NDF:22.2/14

Left: 0.050+/-0.066 χ^2/NDF: 45.2/30

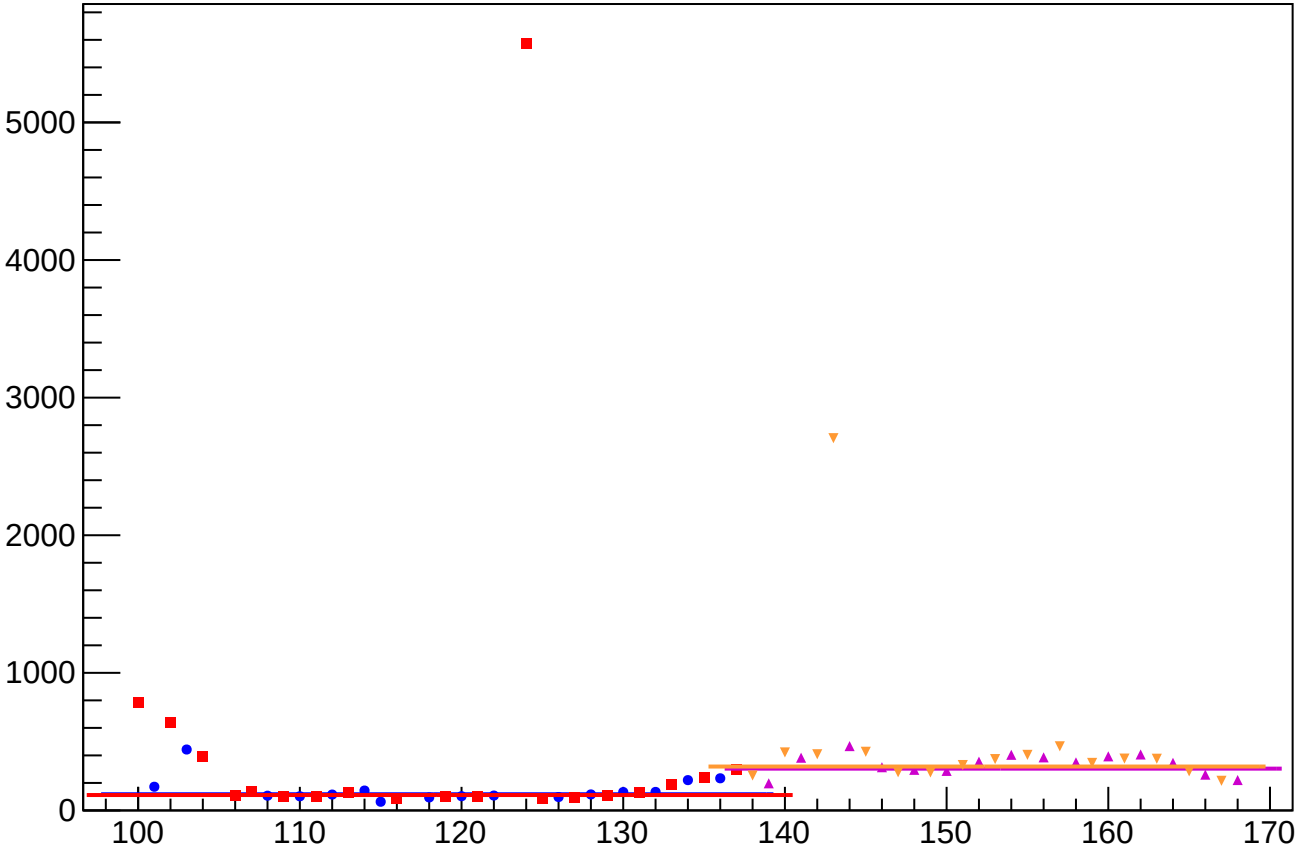
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.030+/-0.042 χ^2/NDF:34.4/30

Out: -0.017+/-0.042 χ^2/NDF:45.1/34

All: 0.006+/-0.030 χ^2/NDF: 80.1/65

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: 319.152+/-0.067 χ^2/NDF:2415682.8/15

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.889+/-0.064 χ^2/NDF:1451550.6/14

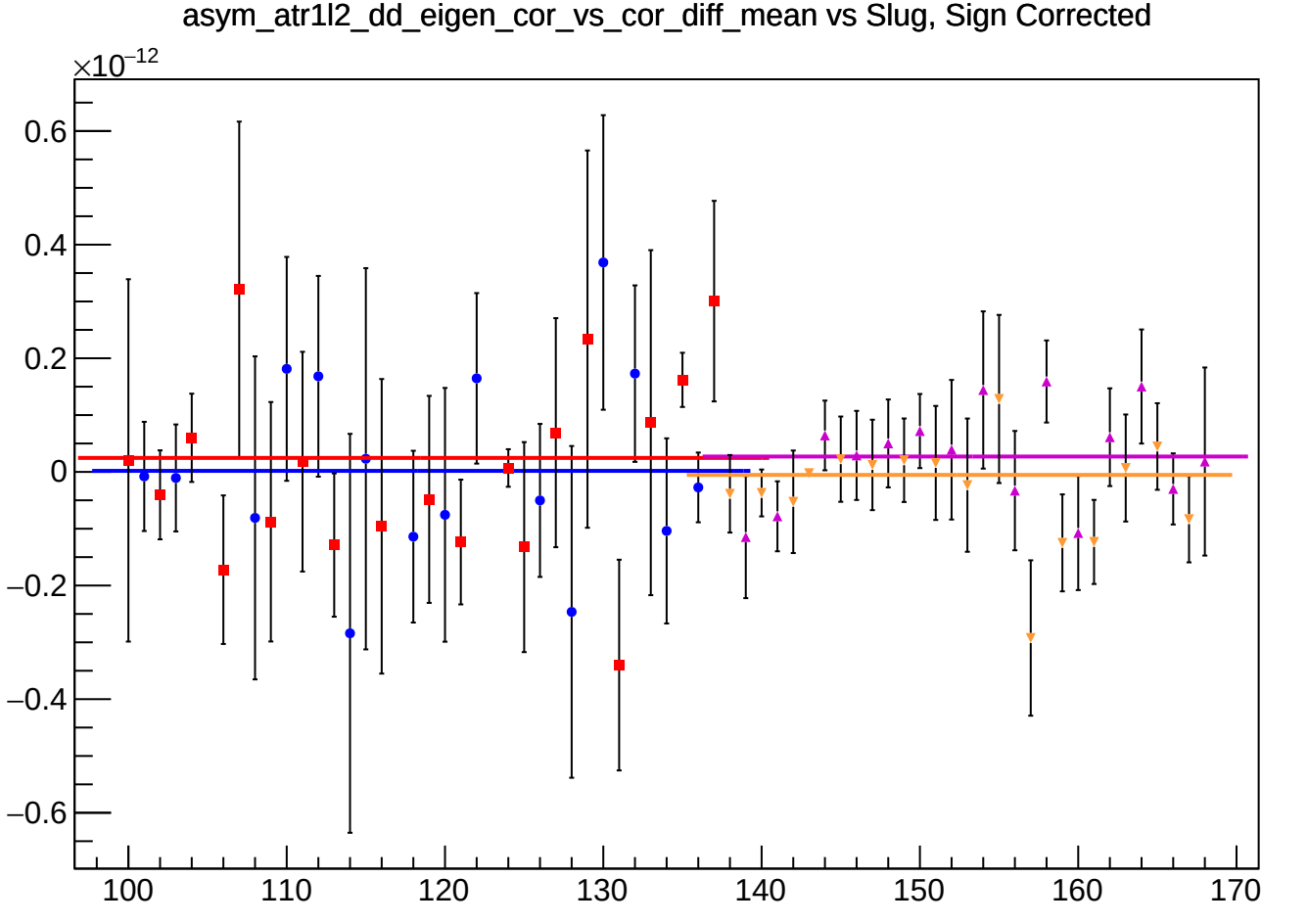
Left: 311.095+/-0.046 χ^2/NDF: 3894230.7/30

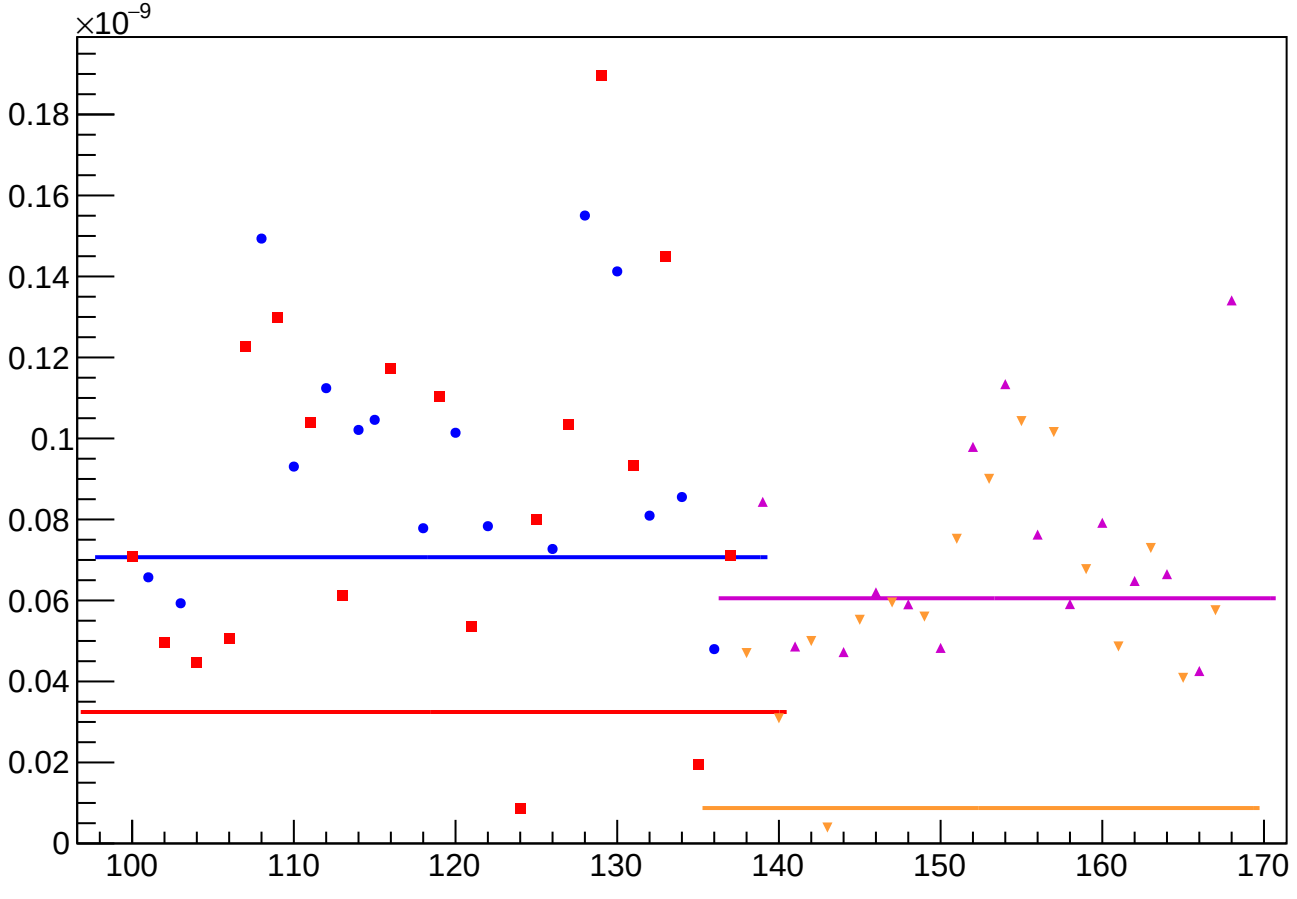
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 158.561+/-0.030 χ^2/NDF:9817368.4/30

Out: 152.313+/-0.030 χ^2/NDF:12185169.2/34

All: 155.418+/-0.021 χ^2/NDF: 22024479.3/65


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:12.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: 0.000+/-0.000 χ²/NDF:14.3/14
Left: -0.000+/-0.000 χ²/NDF: 29.3/30
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:23.8/30
Out: -0.000+/-0.000 χ²/NDF:38.9/34
All: -0.000+/-0.000 χ²/NDF: 64.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12329922.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1502164.5/14

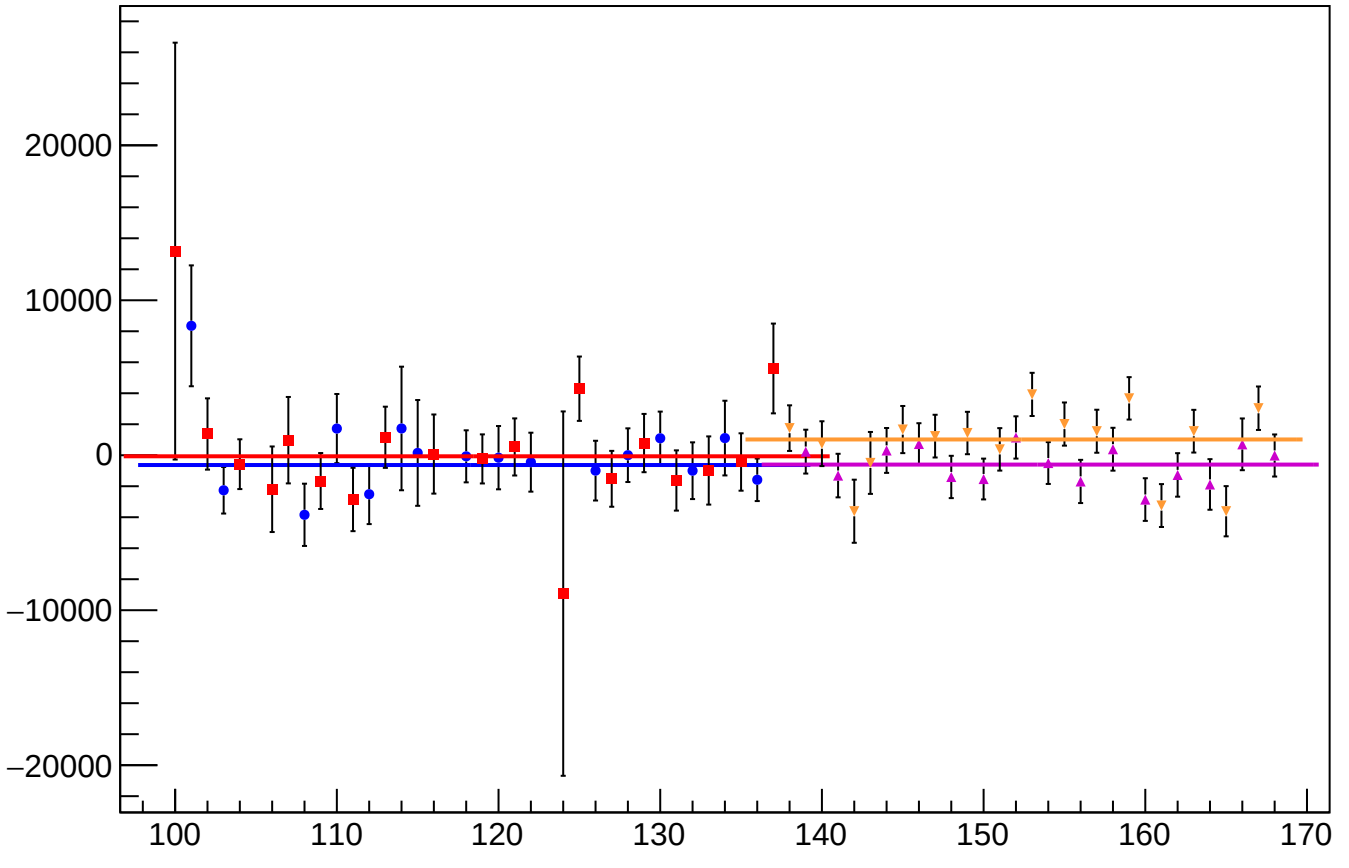
Left: 0.000+/-0.000 χ^2/NDF: 24724955.4/30

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2651273.3/30

Out: 0.000+/-0.000 χ^2/NDF:18997264.4/34

All: 0.000+/-0.000 χ^2/NDF: 36926035.3/65



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -602.937+/-363.027 χ^2/NDF:9.9/14

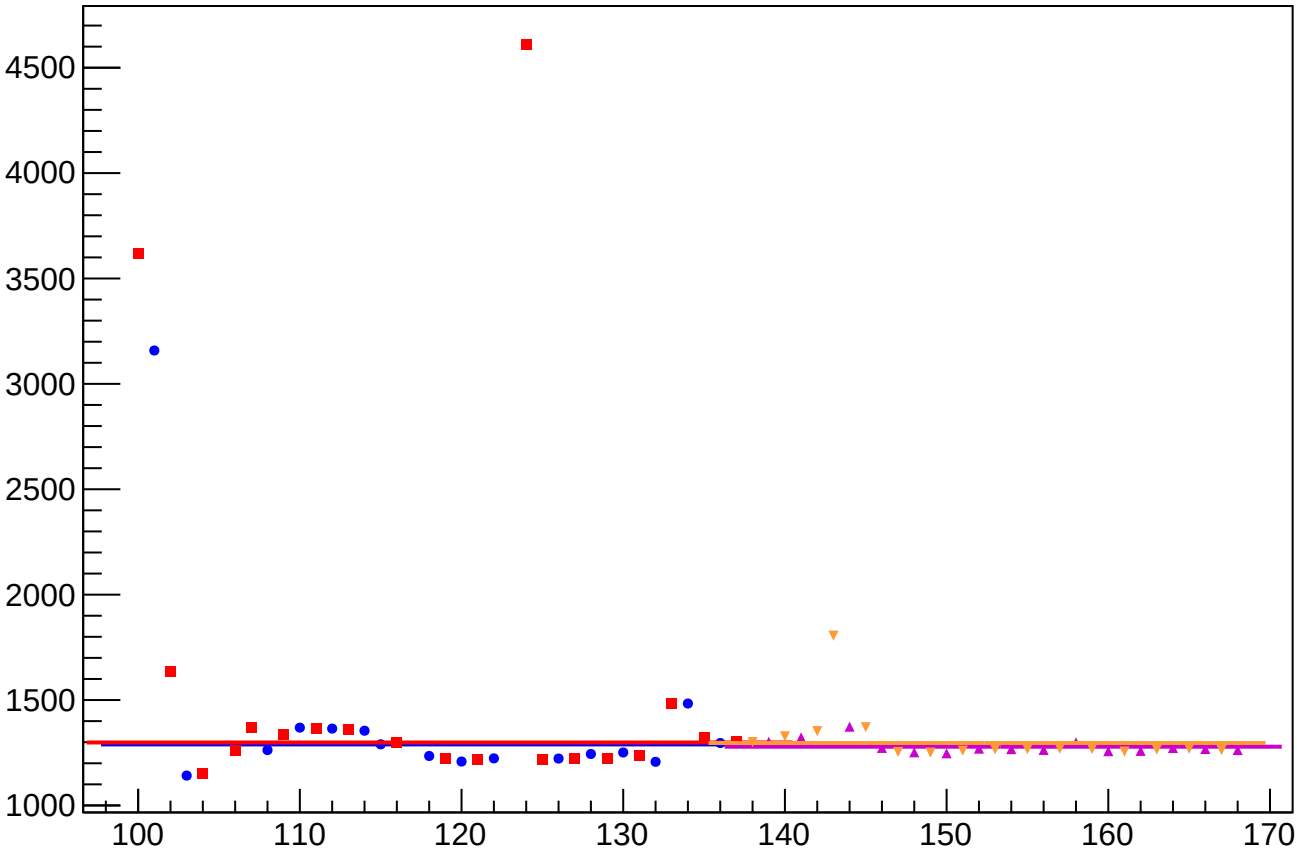
Left: 201.691+/-257.629 χ^2/NDF: 55.0/30

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -612.932+/-291.412 χ^2/NDF:23.8/30

Out: 627.425+/-292.580 χ^2/NDF:54.2/34

All: 4.767+/-206.471 χ^2/NDF: 87.1/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

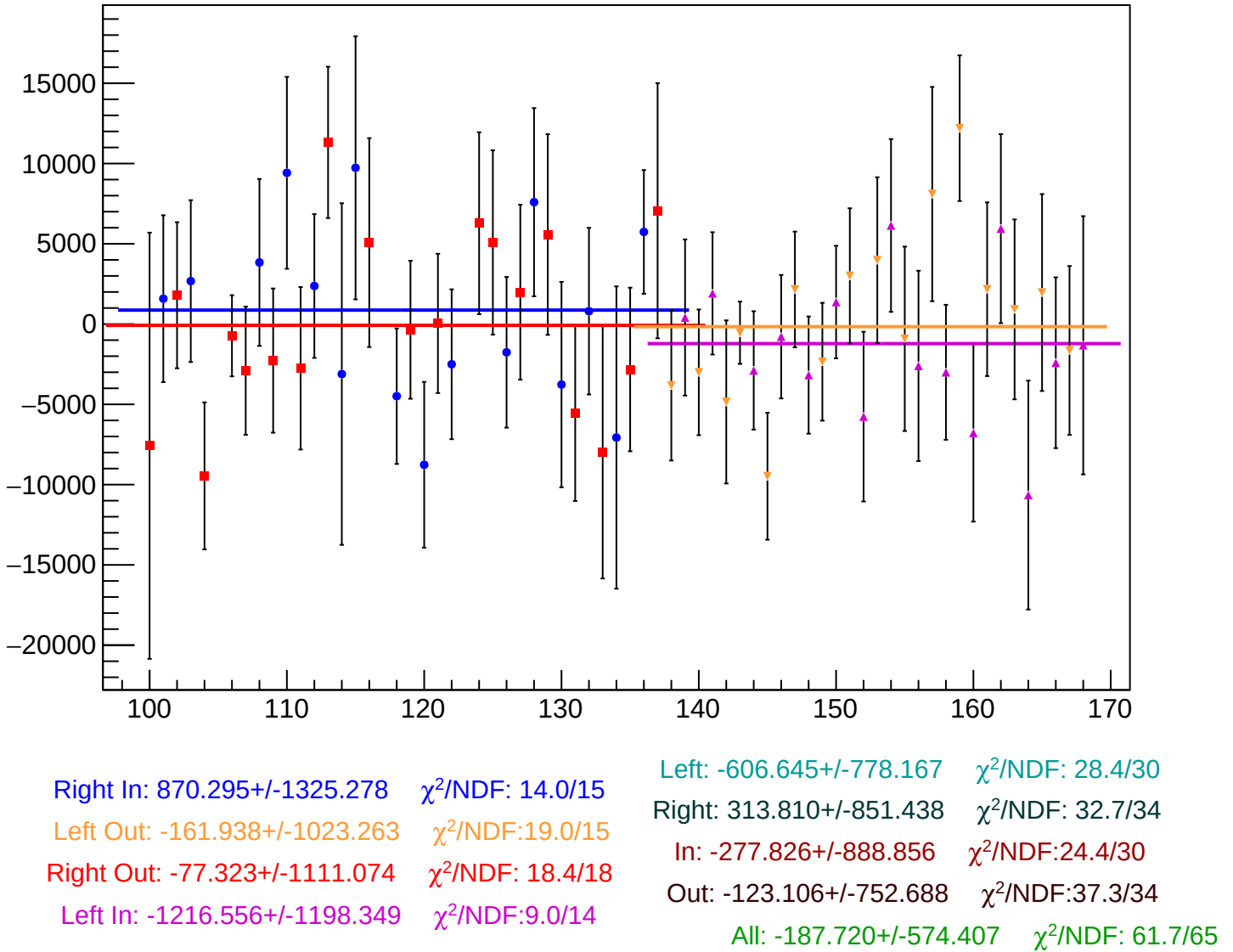
Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

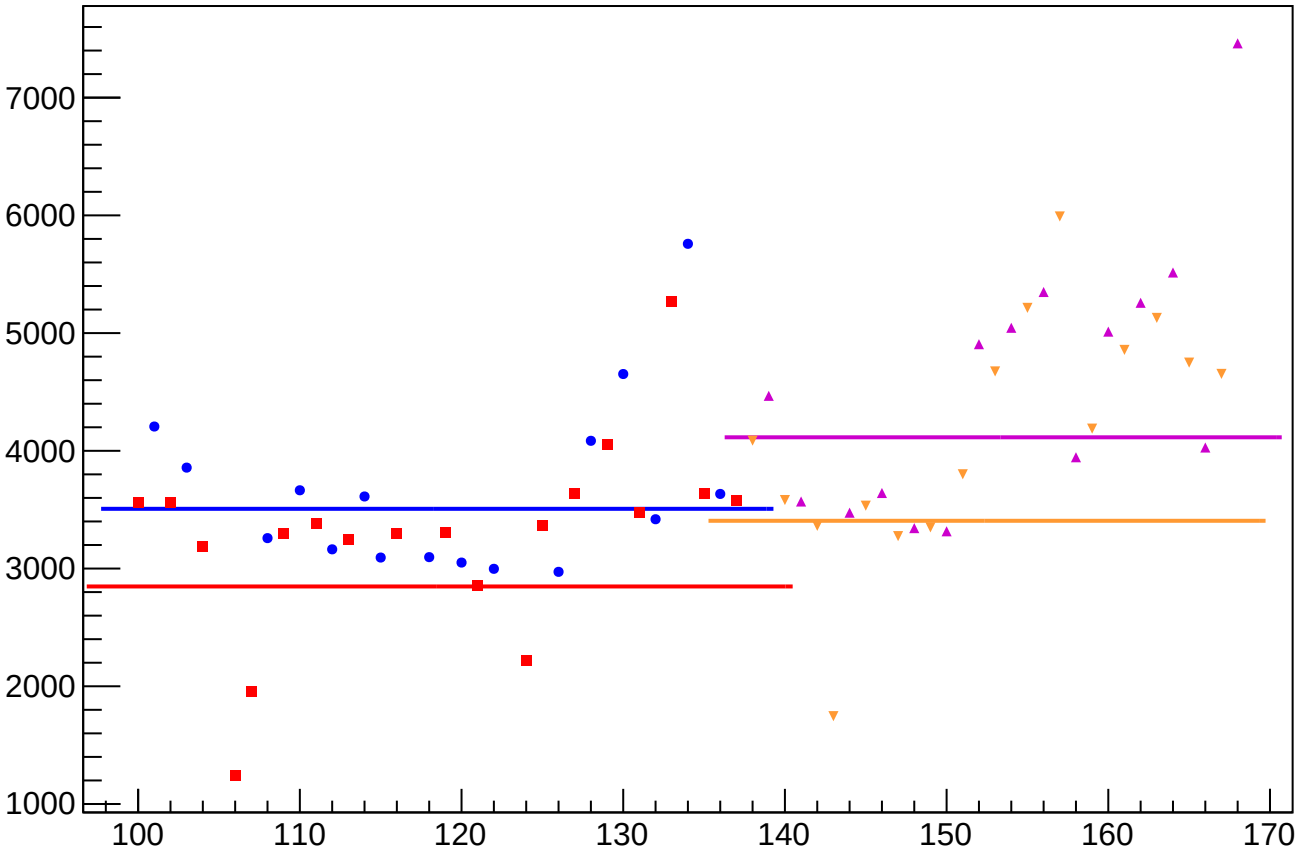
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1282.472+/-0.206 χ^2/NDF:530522.1/30

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1216.556+/-1198.349 χ²/NDF:9.0/14
Left: -606.645+/-778.167 χ²/NDF: 28.4/30
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -277.826+/-888.856 χ²/NDF:24.4/30
Out: -123.106+/-752.688 χ²/NDF:37.3/34
All: -187.720+/-574.407 χ²/NDF: 61.7/65



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

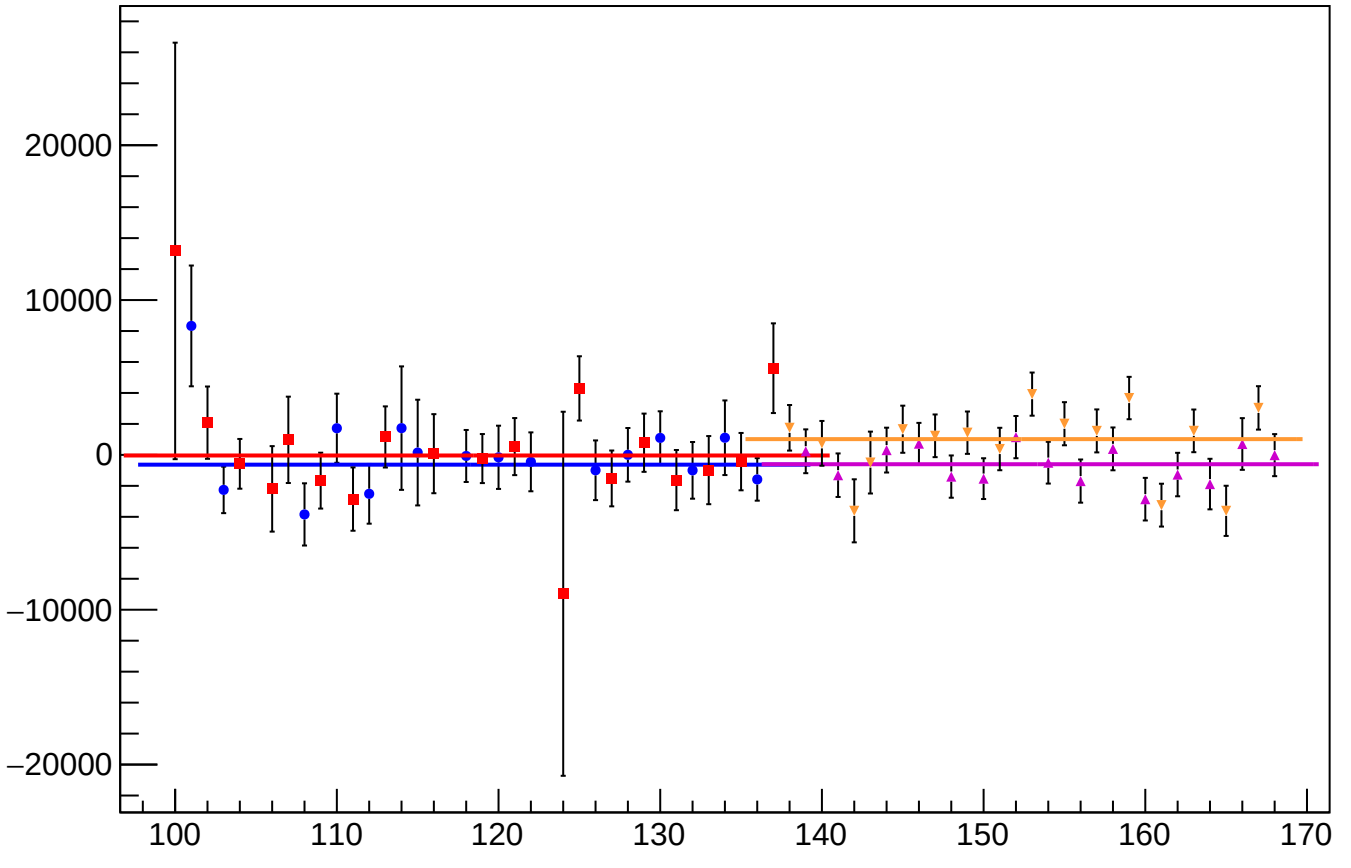
Left: 3704.745+/-0.550 χ^2/NDF: 4241331.6/30

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3841.596+/-0.629 χ^2/NDF:1667031.3/30

Out: 3149.694+/-0.532 χ^2/NDF:4526644.1/34

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

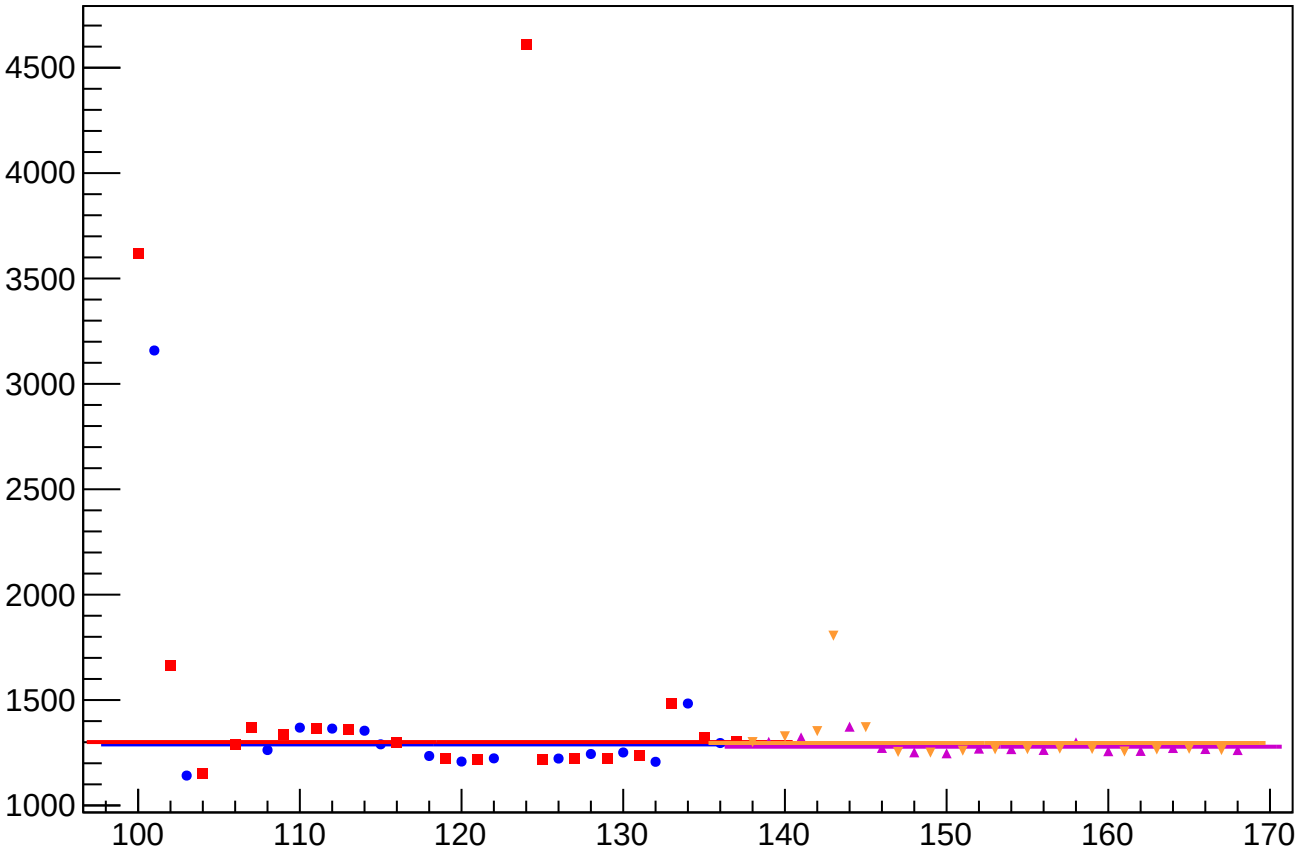
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

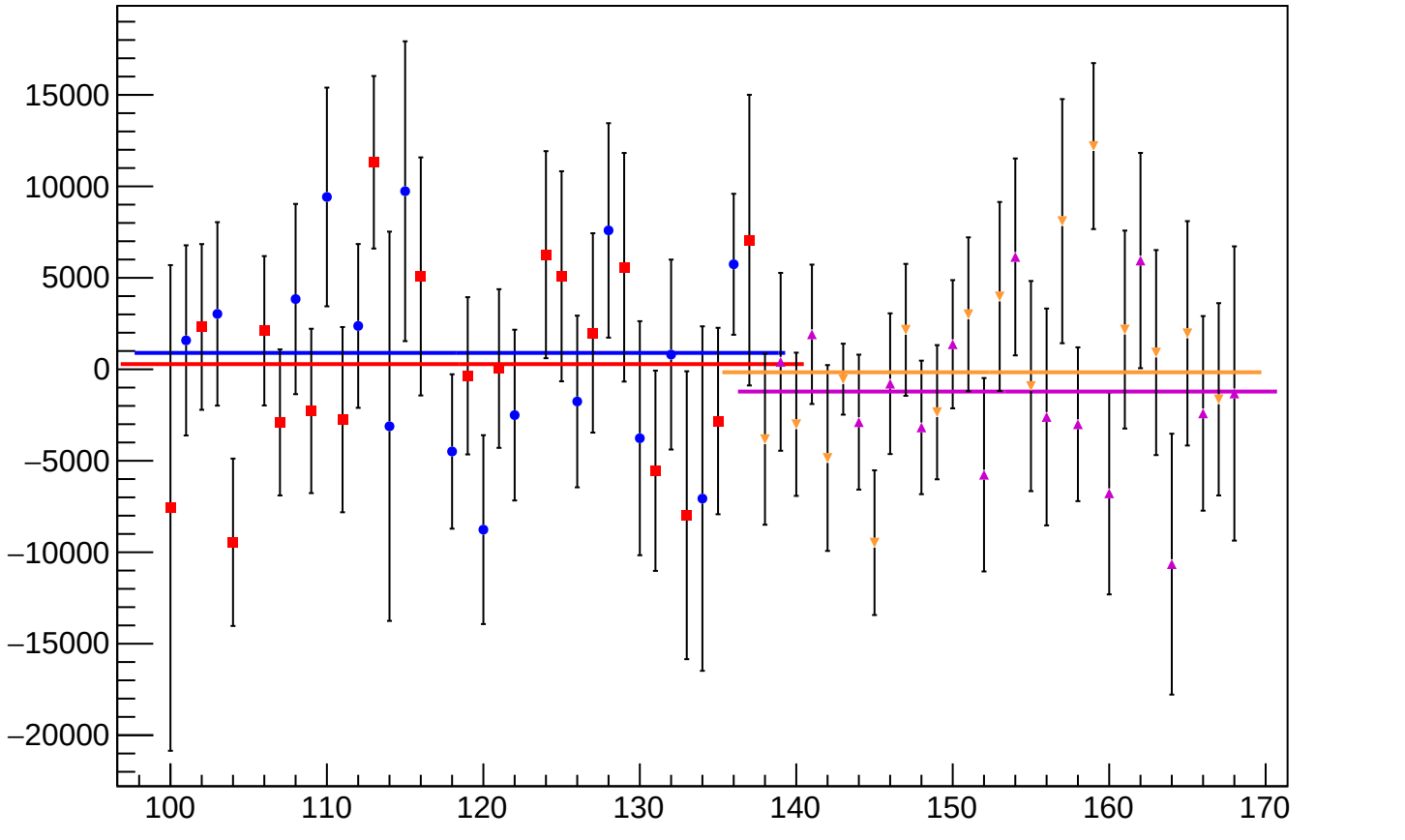
Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1216.598+/-1198.348 χ^2/NDF:9.0/14

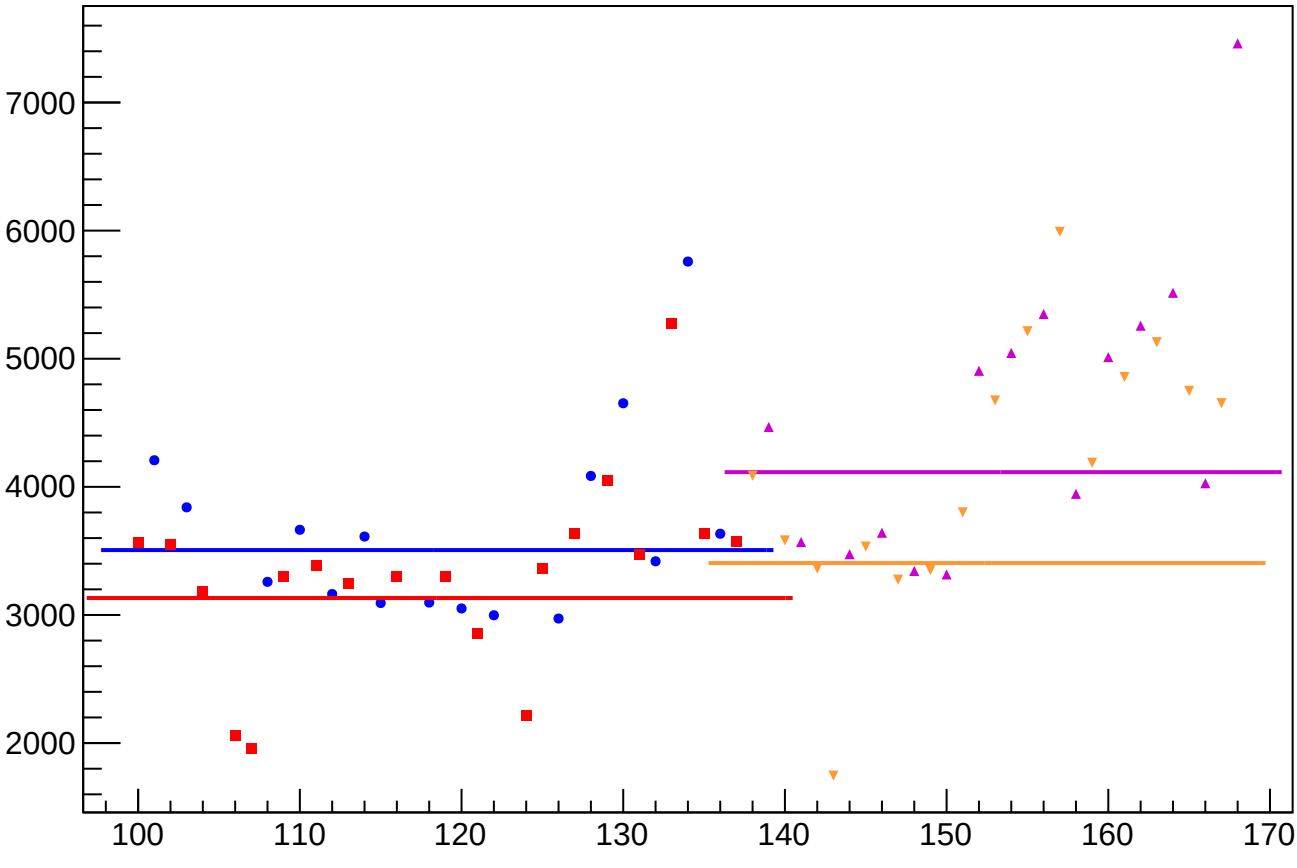
Left: -606.603+/-778.166 χ^2/NDF: 28.4/30

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -265.921+/-888.719 χ^2/NDF:24.5/30

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -98.246+/-583.658 χ^2/NDF: 62.2/65



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

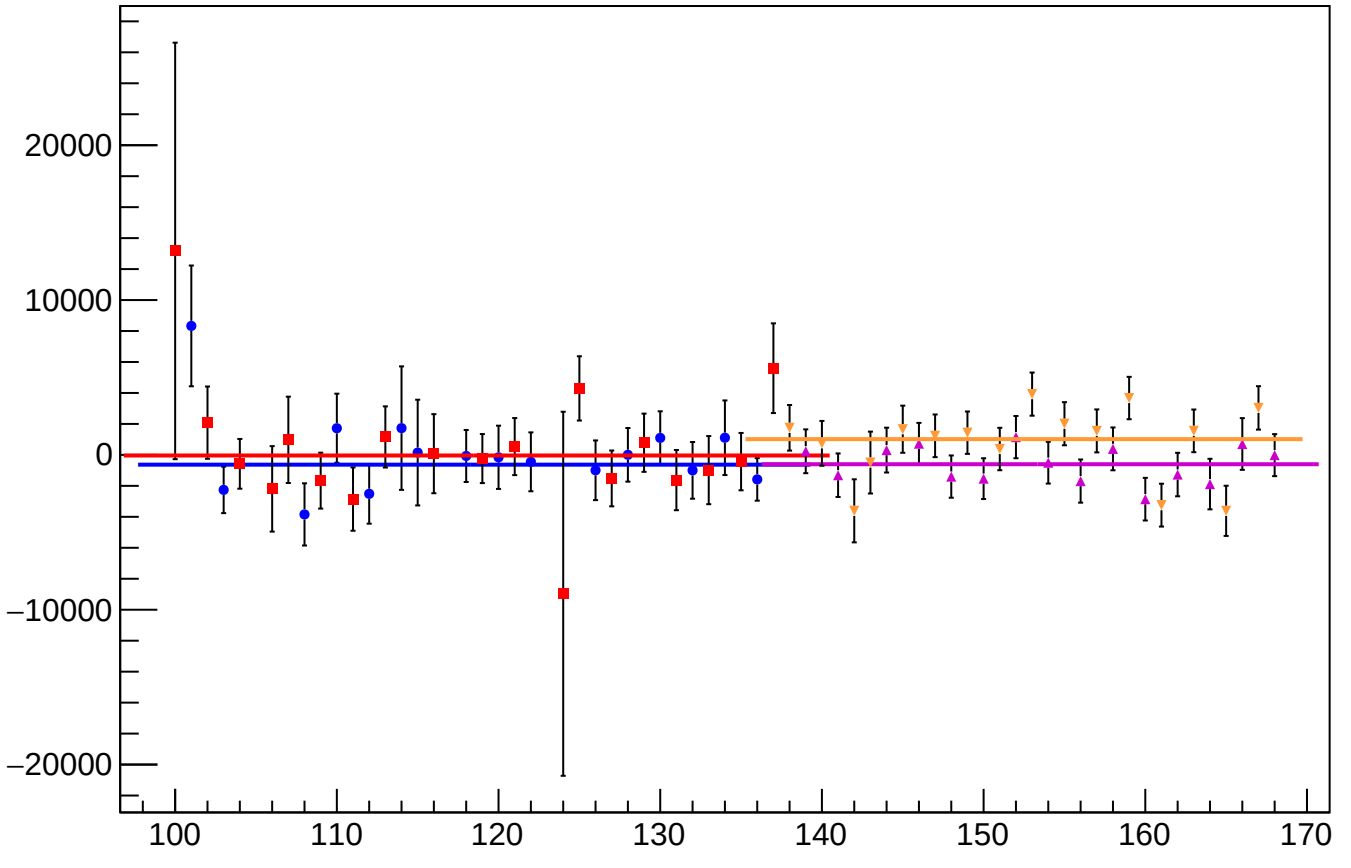
Left: 3704.737+/-0.550 χ^2/NDF: 4241370.7/30

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3841.080+/-0.628 χ^2/NDF:1667071.2/30

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

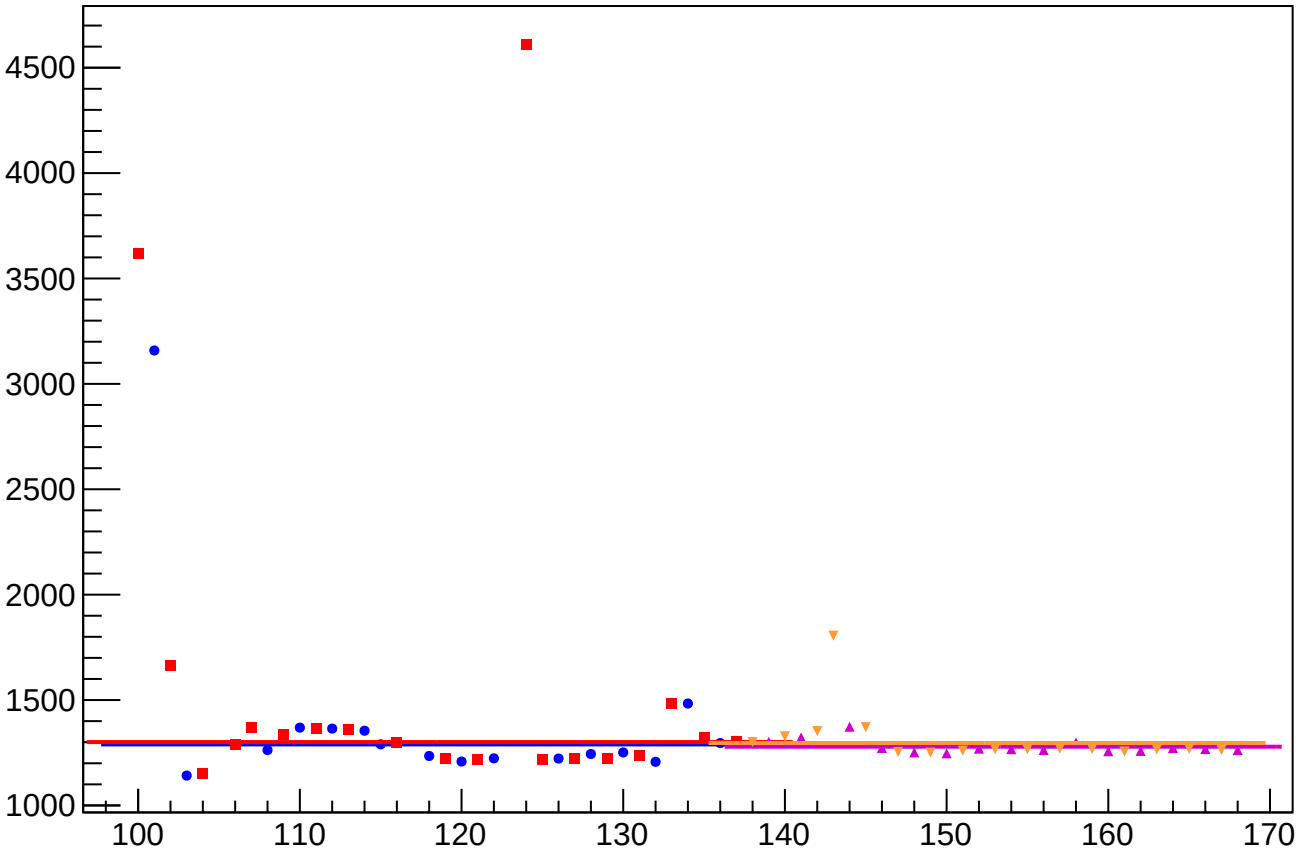
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

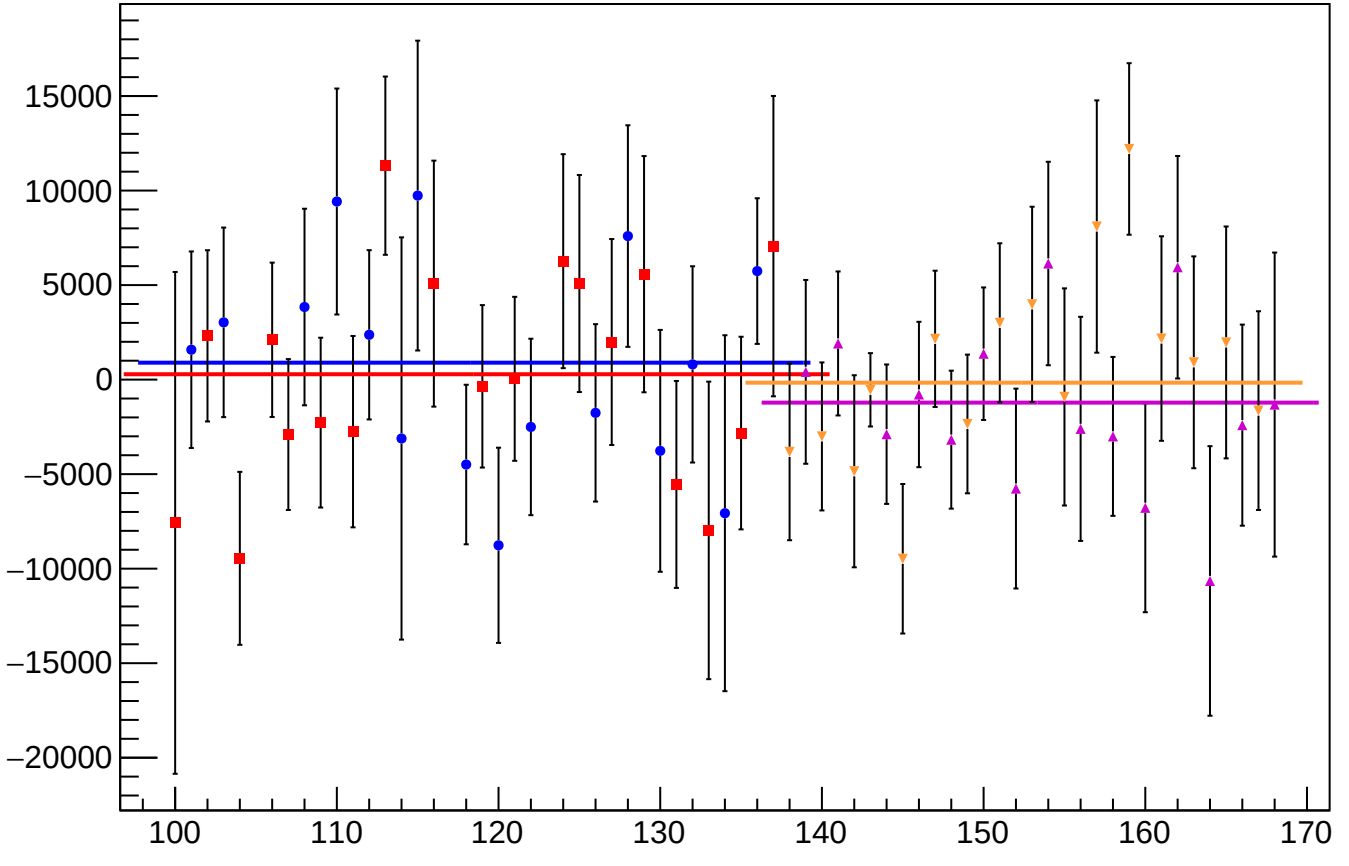
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

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: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1216.598+/-1198.348 χ^2/NDF:9.0/14

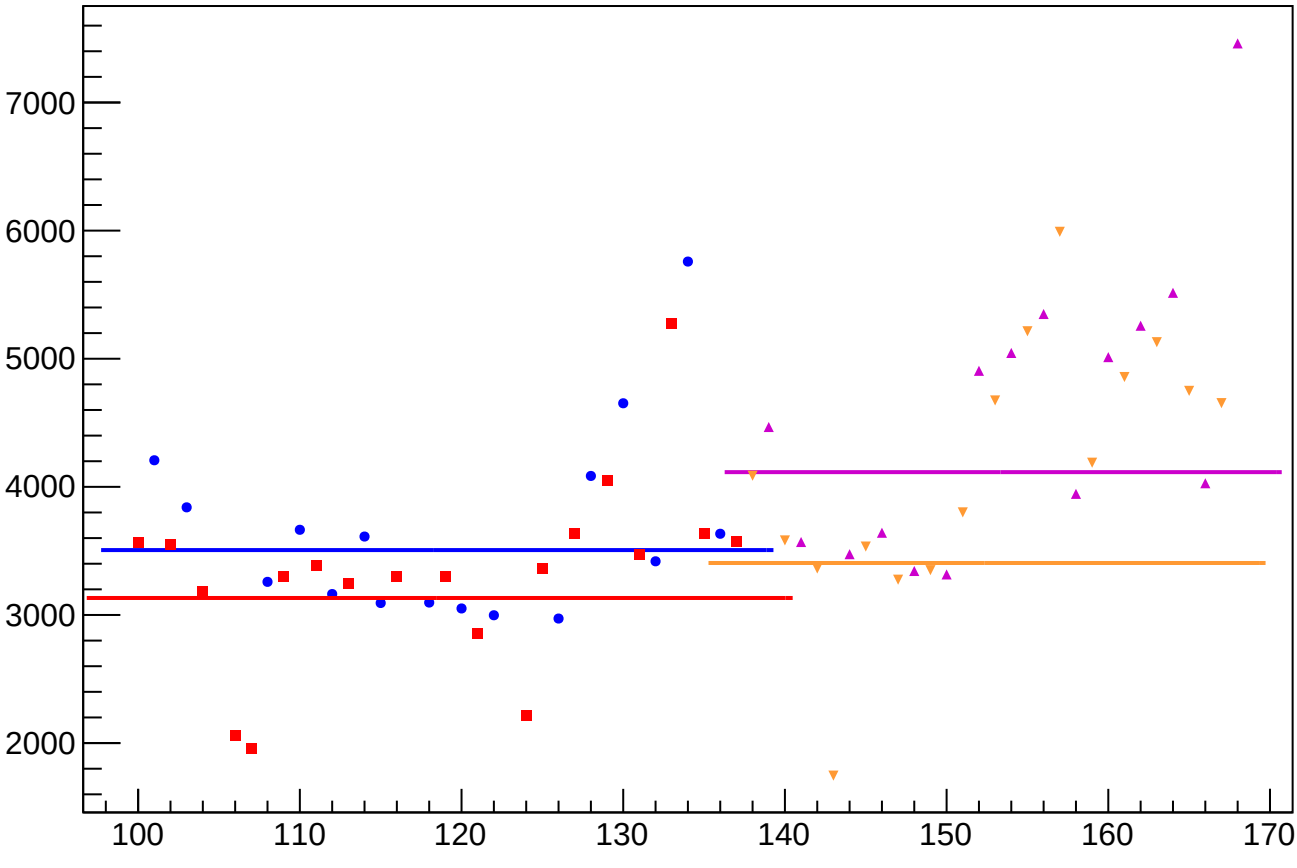
Left: -606.603+/-778.166 χ^2/NDF: 28.4/30

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -265.921+/-888.719 χ^2/NDF:24.5/30

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -98.246+/-583.658 χ^2/NDF: 62.2/65



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

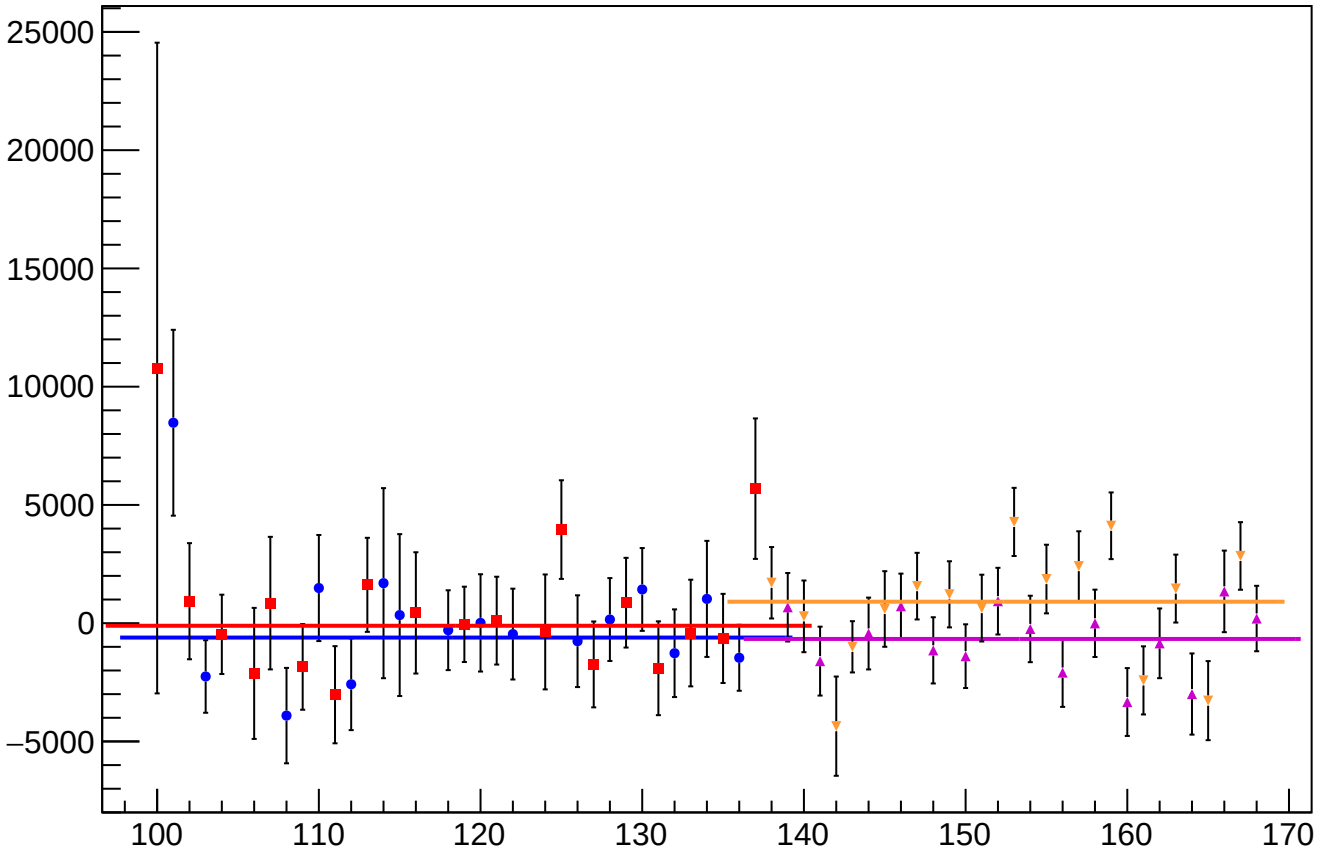
Left: 3704.737+/-0.550 χ^2/NDF: 4241370.7/30

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3841.080+/-0.628 χ^2/NDF:1667071.2/30

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -666.444+/-375.492 χ^2/NDF:12.3/14

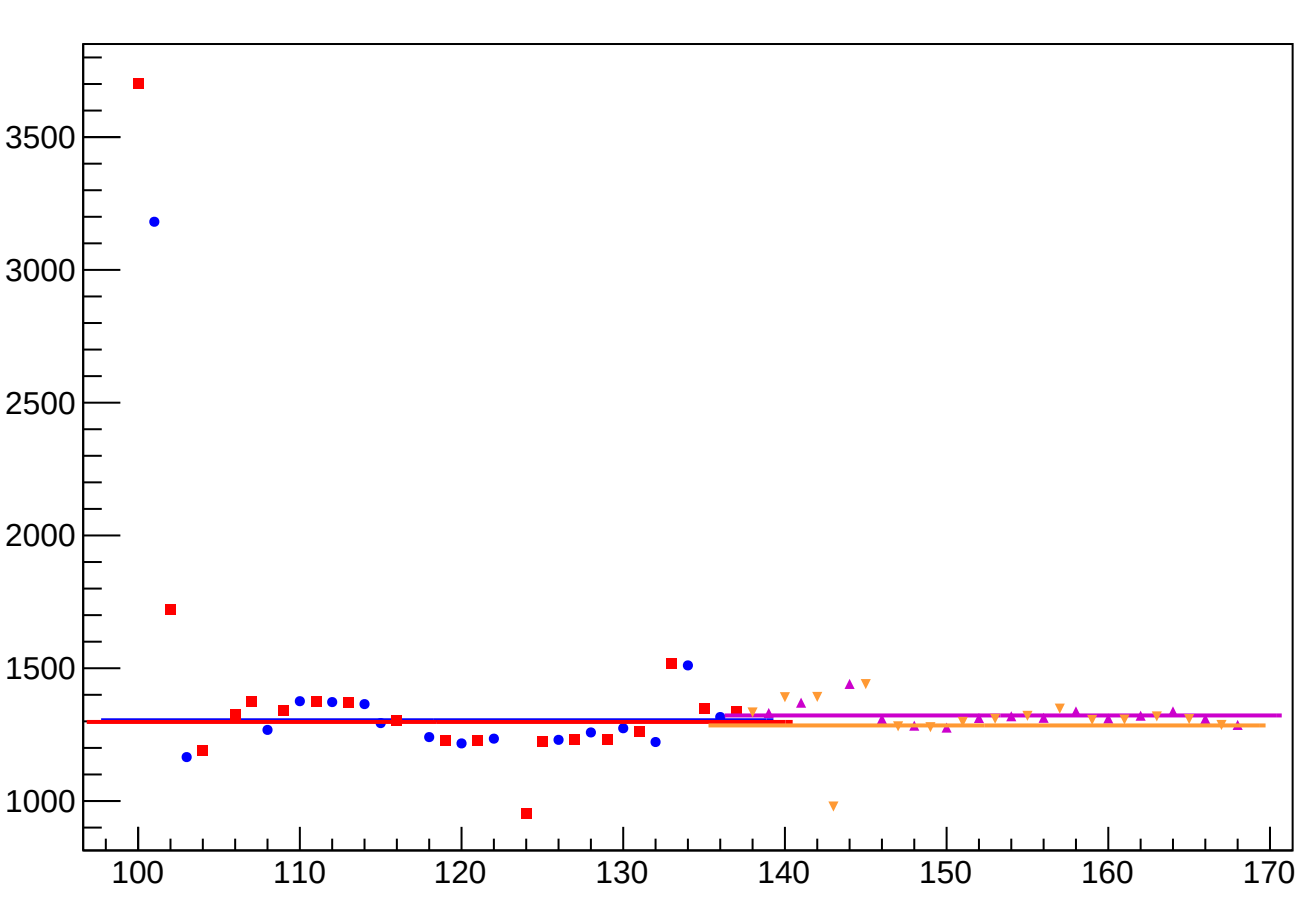
Left: 147.890+/-260.927 χ^2/NDF: 57.3/30

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -644.990+/-298.978 χ^2/NDF:26.4/30

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -33.764+/-208.404 χ^2/NDF: 88.2/65



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

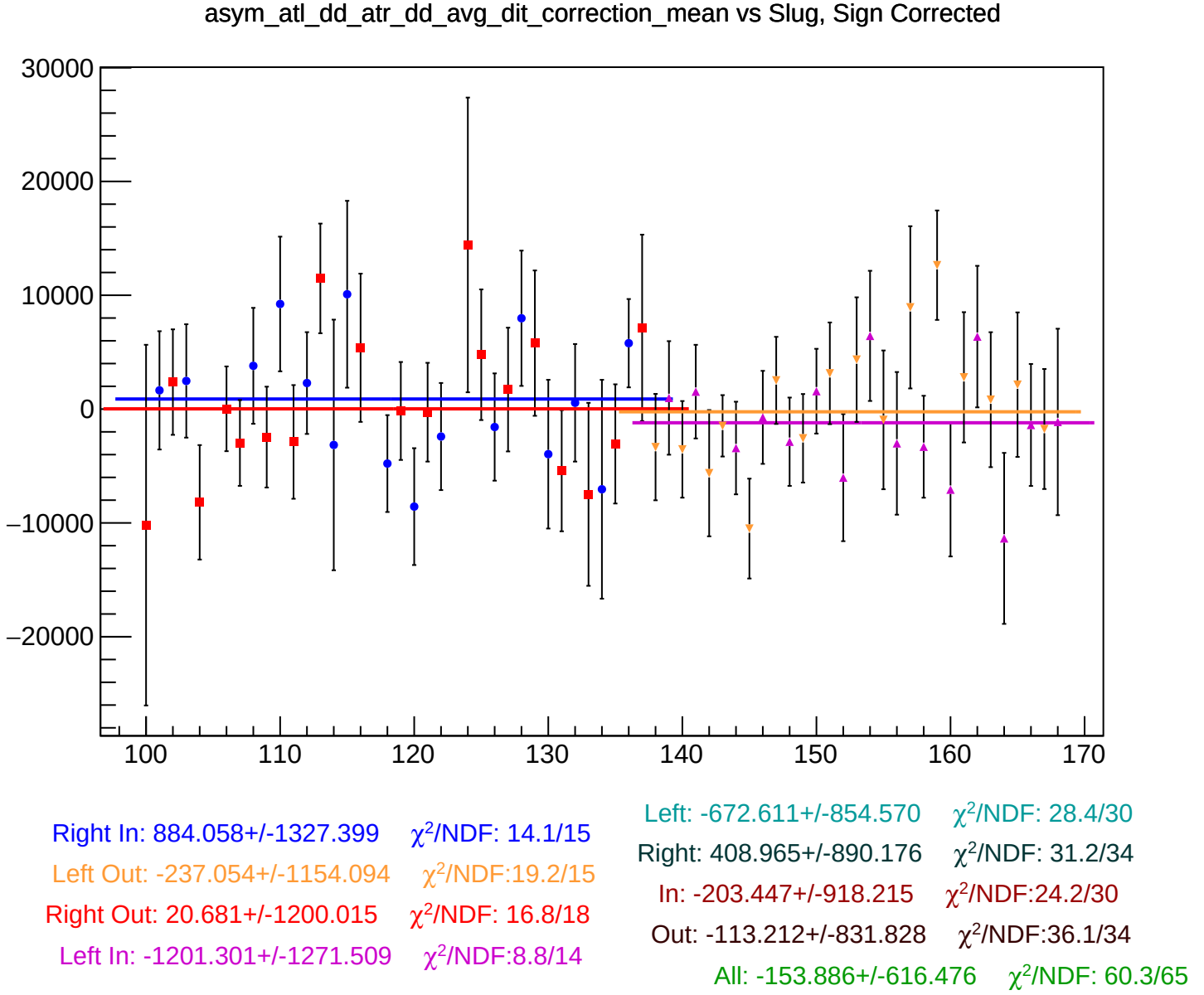
Left: 1302.793+/-0.185 χ^2/NDF: 234058.7/30

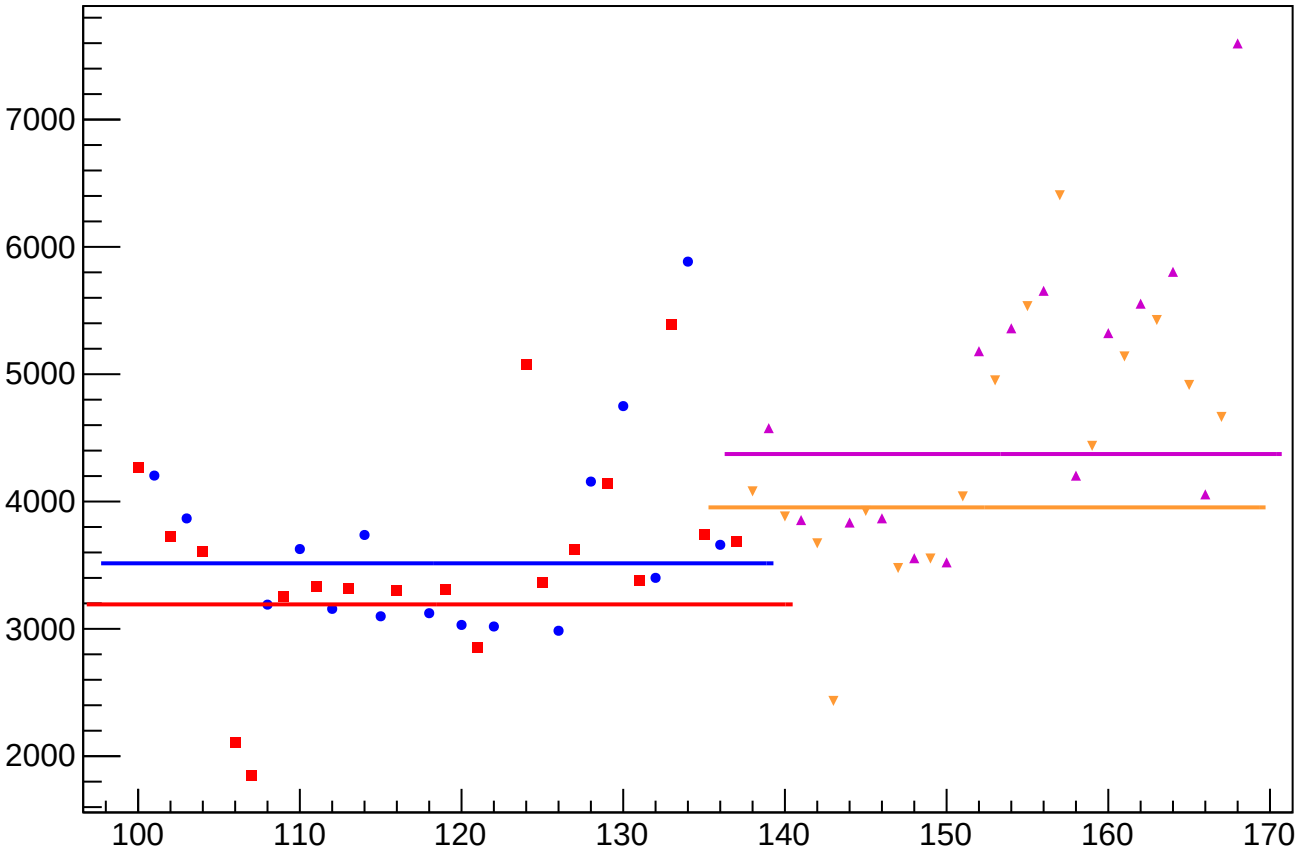
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.609+/-0.211 χ^2/NDF:532920.8/30

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -237.054+/-1154.094 χ²/NDF:19.2/15
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1201.301+/-1271.509 χ²/NDF:8.8/14
Left: -672.611+/-854.570 χ²/NDF: 28.4/30
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -203.447+/-918.215 χ²/NDF:24.2/30
Out: -113.212+/-831.828 χ²/NDF:36.1/34
All: -153.886+/-616.476 χ²/NDF: 60.3/65



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4373.056+/-0.899 χ^2/NDF:996365.1/14

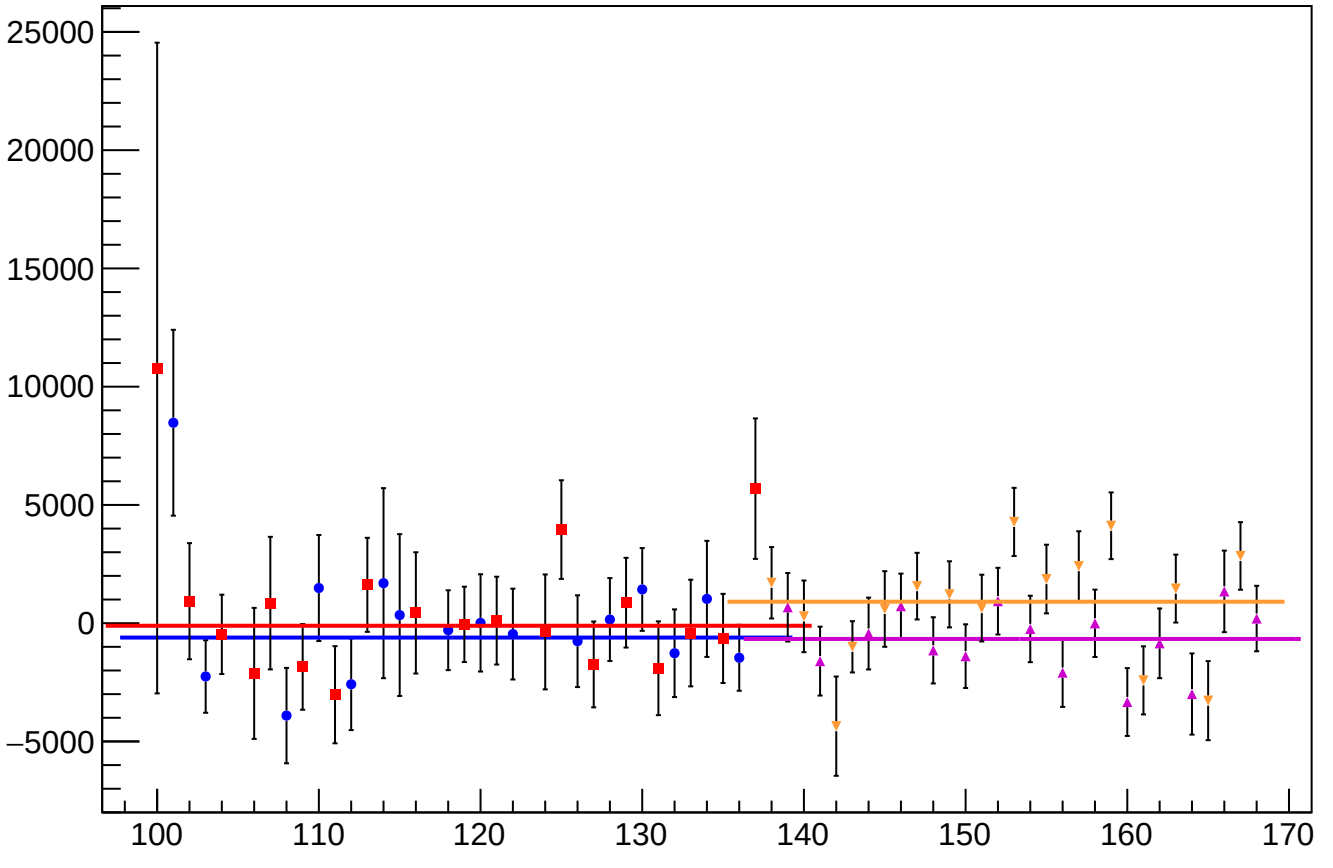
Left: 4143.331+/-0.604 χ^2/NDF: 2559931.9/30

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3962.351+/-0.649 χ^2/NDF:1807524.1/30

Out: 3587.995+/-0.588 χ^2/NDF:2635791.7/34

All: 3756.738+/-0.436 χ^2/NDF: 4625905.1/65



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -666.445+/-375.493 χ^2/NDF:12.3/14

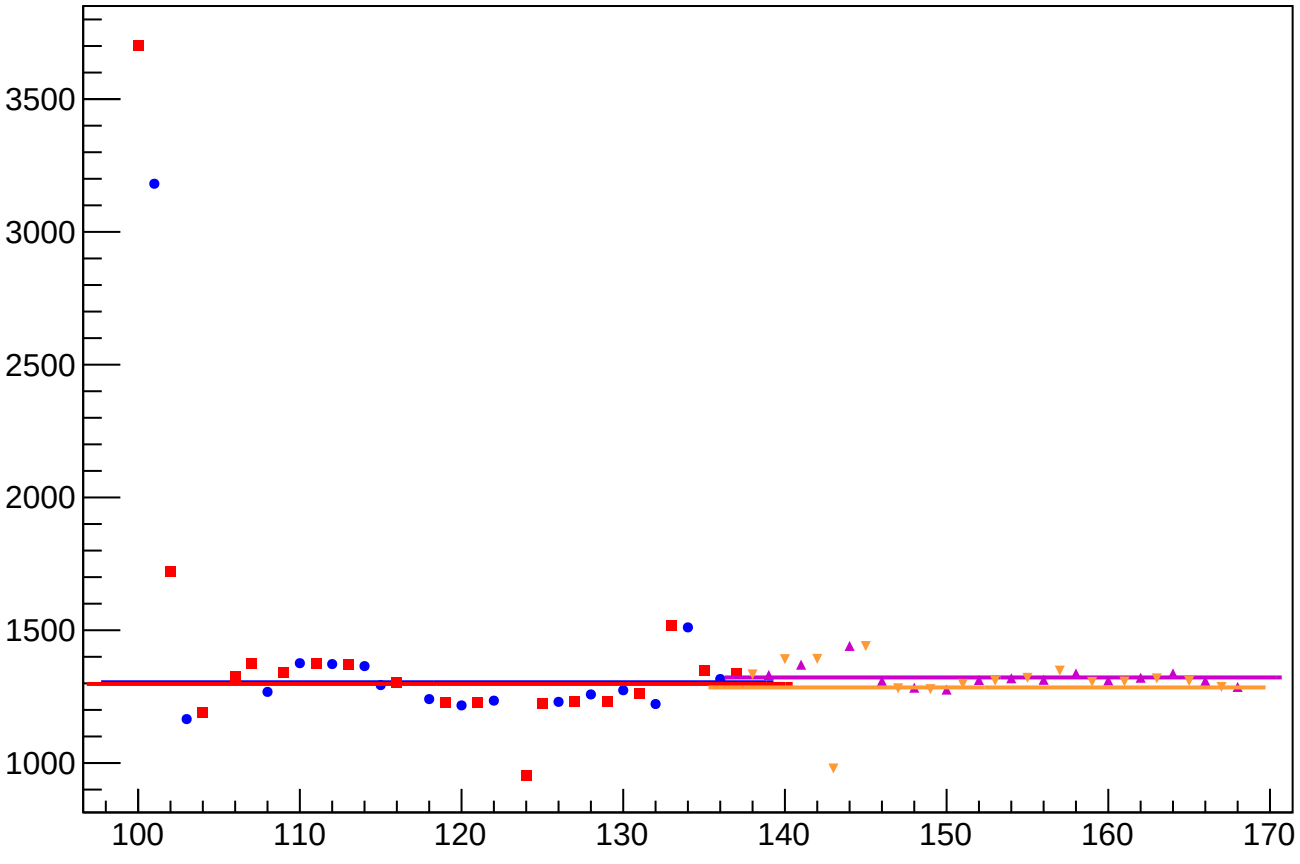
Left: 147.892+/-260.927 χ^2/NDF: 57.3/30

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -644.992+/-298.978 χ^2/NDF:26.4/30

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -33.765+/-208.405 χ^2/NDF: 88.2/65



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.623+/-0.257 χ^2/NDF:203050.9/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1322.254+/-0.266 χ^2/NDF:20621.1/14

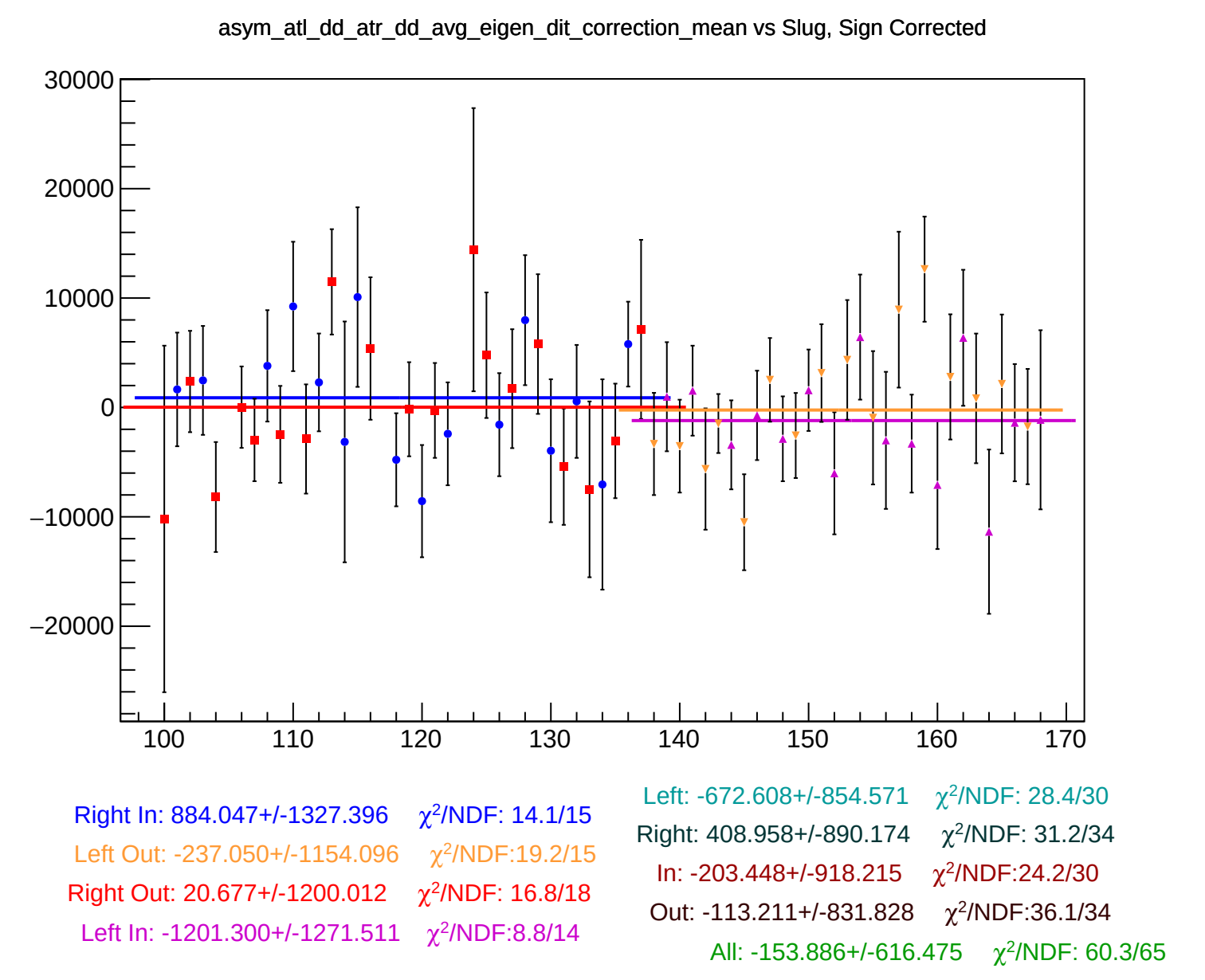
Left: 1302.794+/-0.185 χ^2/NDF: 234059.6/30

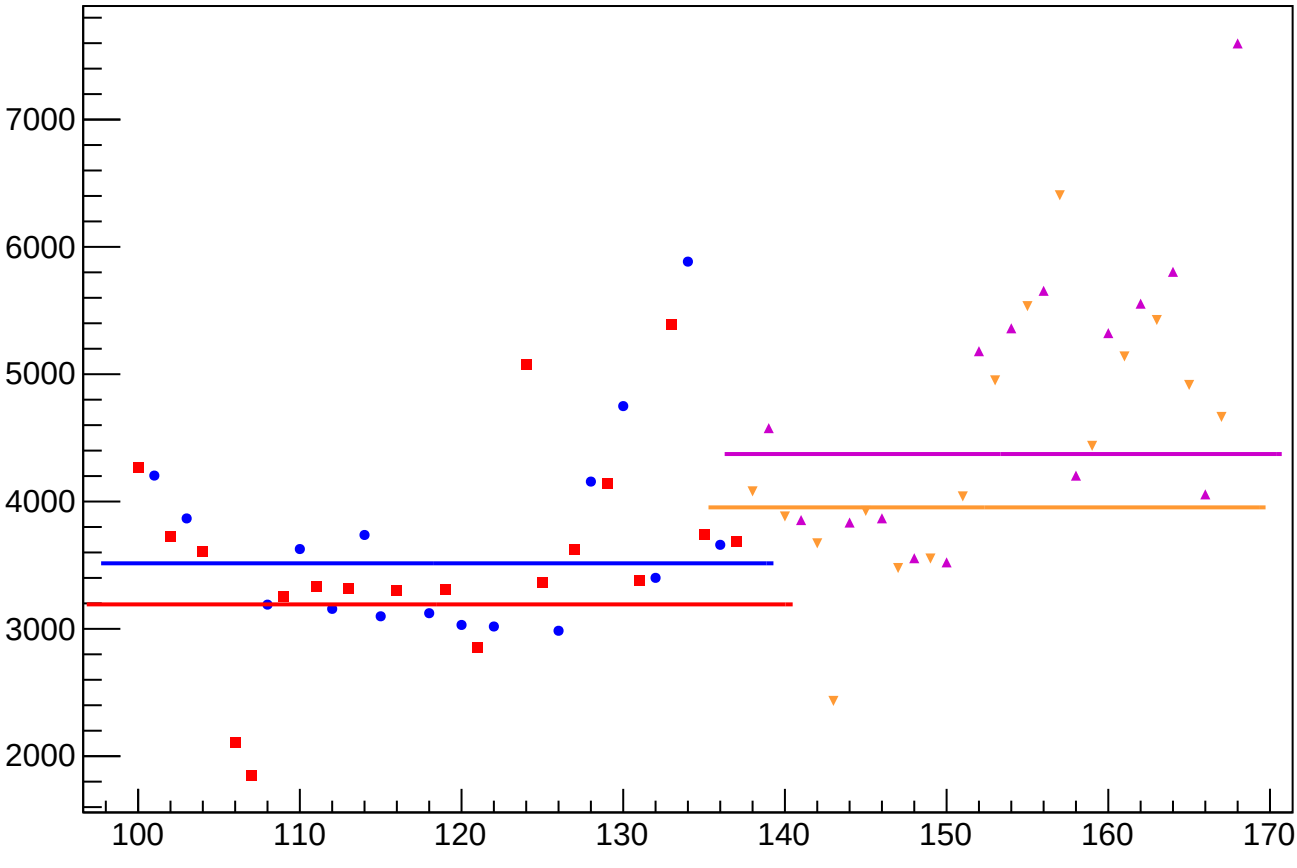
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.610+/-0.211 χ^2/NDF:532921.4/30

Out: 1289.348+/-0.205 χ^2/NDF:417093.3/34

All: 1302.105+/-0.147 χ^2/NDF: 957950.5/65


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -237.050+/-1154.096 χ²/NDF:19.2/15
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1201.300+/-1271.511 χ²/NDF:8.8/14
Left: -672.608+/-854.571 χ²/NDF: 28.4/30
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -203.448+/-918.215 χ²/NDF:24.2/30
Out: -113.211+/-831.828 χ²/NDF:36.1/34
All: -153.886+/-616.475 χ²/NDF: 60.3/65



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4373.063+/-0.899 χ^2/NDF:996366.9/14

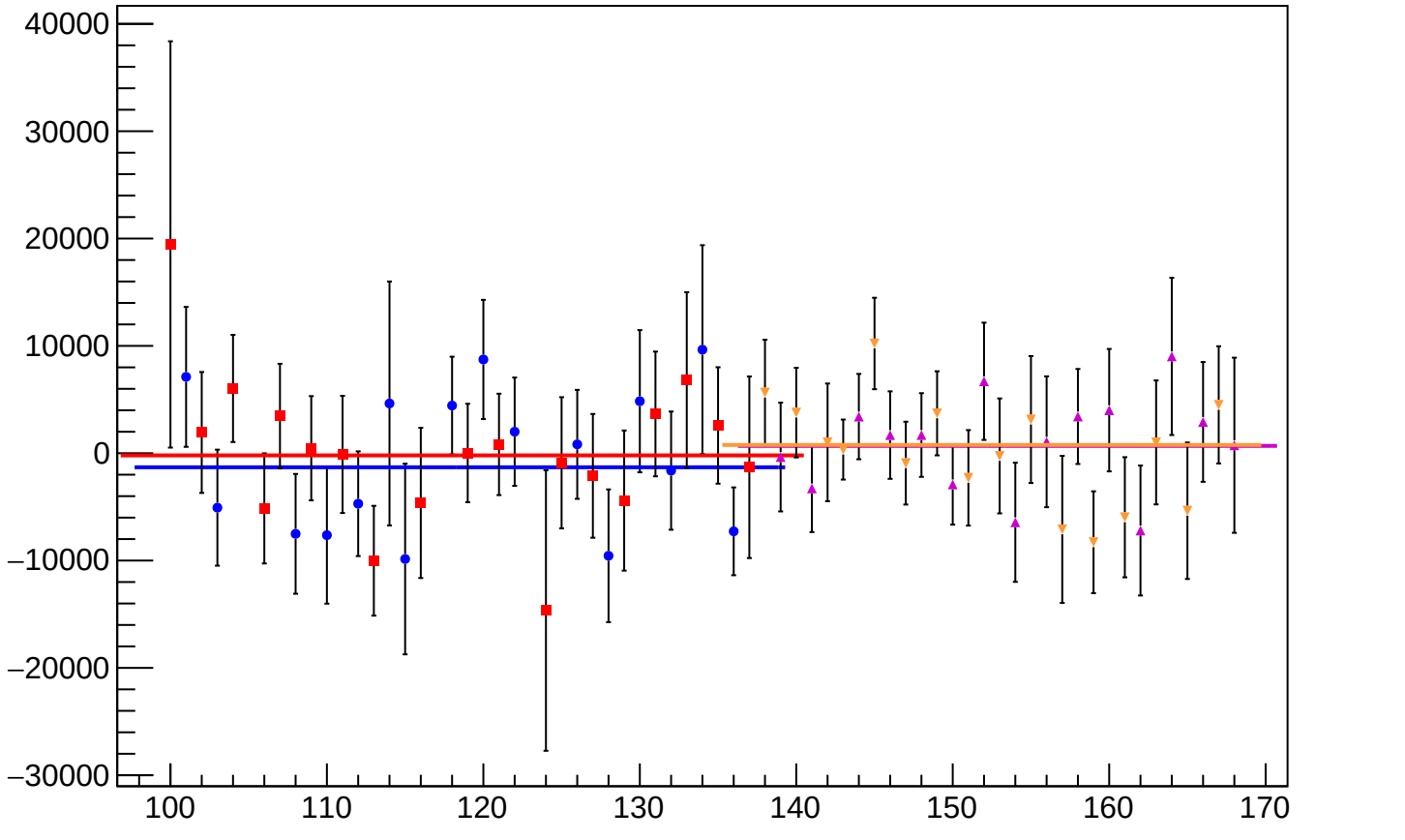
Left: 4143.337+/-0.604 χ^2/NDF: 2559935.8/30

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3962.348+/-0.649 χ^2/NDF:1807546.3/30

Out: 3587.992+/-0.588 χ^2/NDF:2635811.6/34

All: 3756.736+/-0.436 χ^2/NDF: 4625946.8/65



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 683.377+/-1262.237 χ^2/NDF:9.2/14

Left: 730.595+/-852.813 χ^2/NDF: 25.0/30

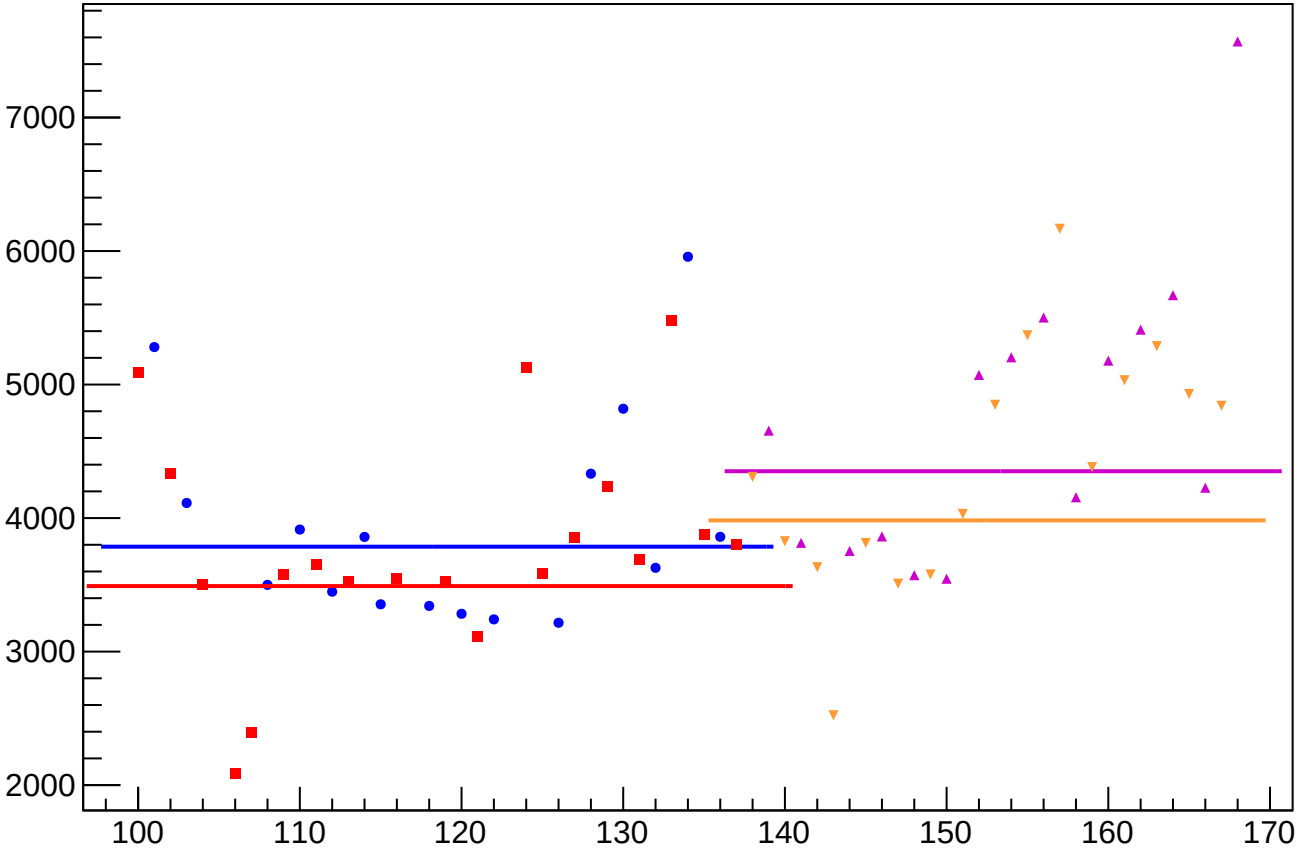
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -188.179+/-946.788 χ^2/NDF:27.9/30

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 104.314+/-642.415 χ^2/NDF: 55.7/65

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

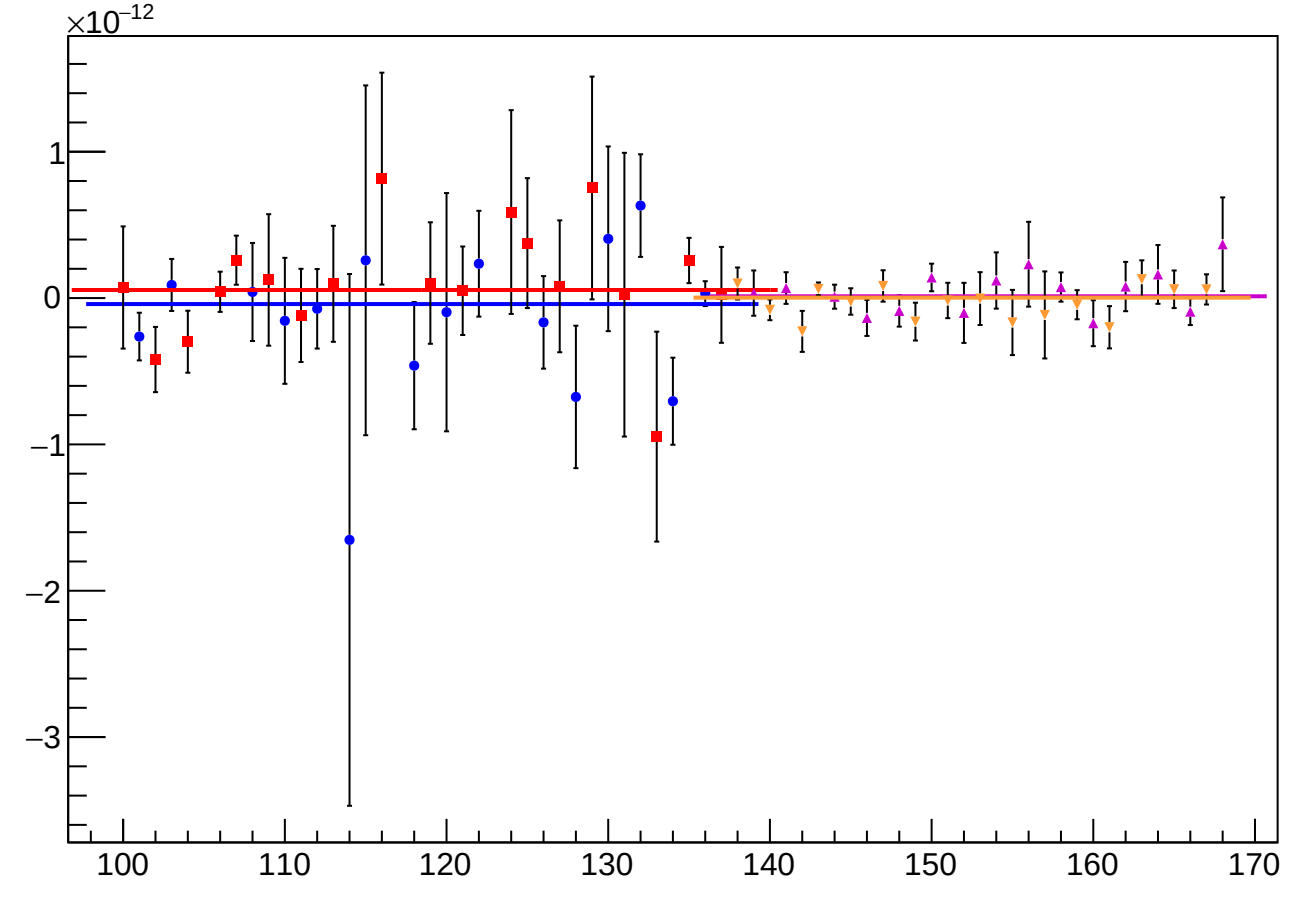
Left: 4150.710+/-0.603 χ^2/NDF: 2284677.4/30

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.711+/-0.669 χ^2/NDF:1484331.0/30

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/14

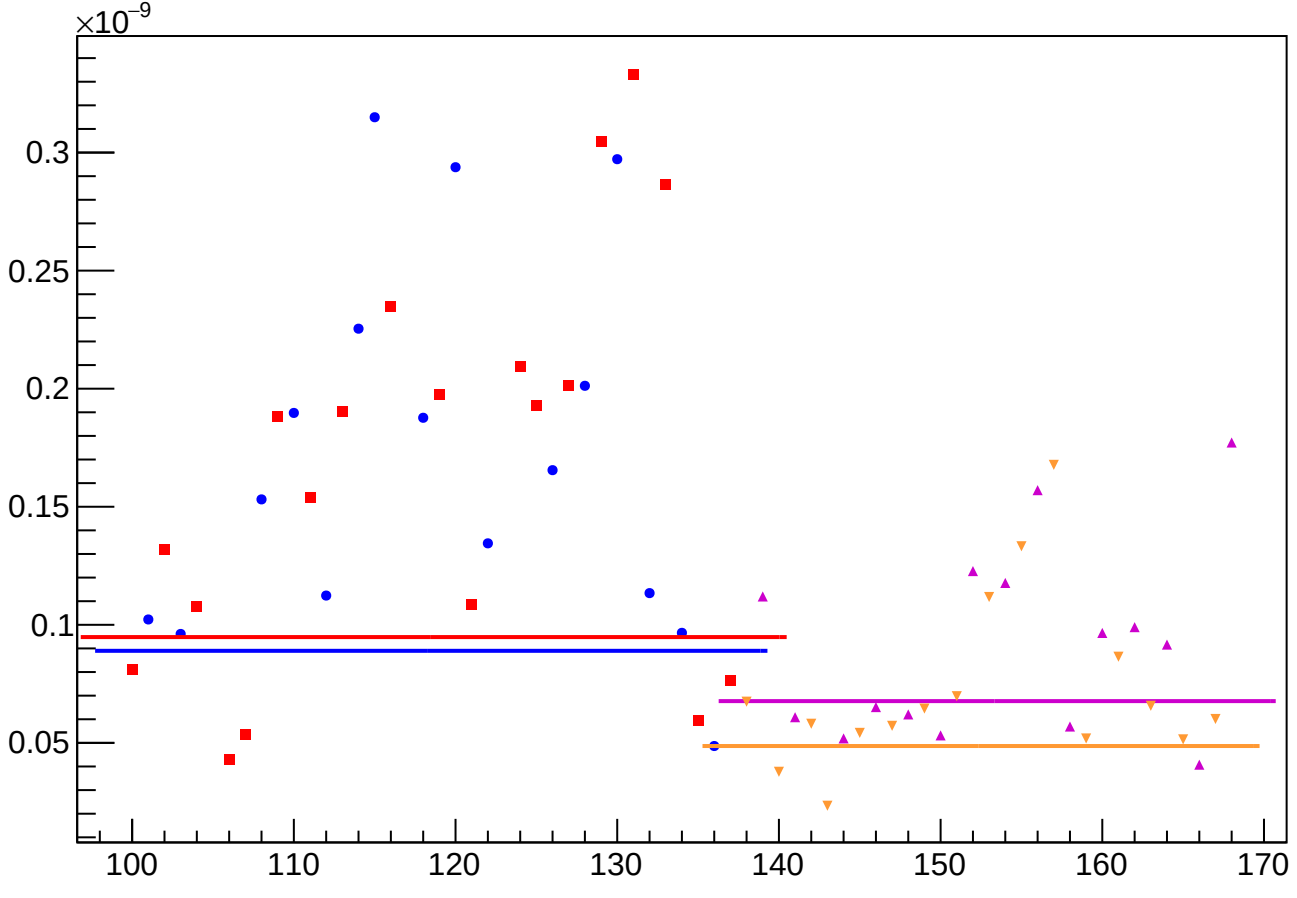
Left: 0.000+/-0.000 χ^2/NDF: 24.1/30

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: 0.000+/-0.000 χ^2/NDF: 57.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3734197.2/30

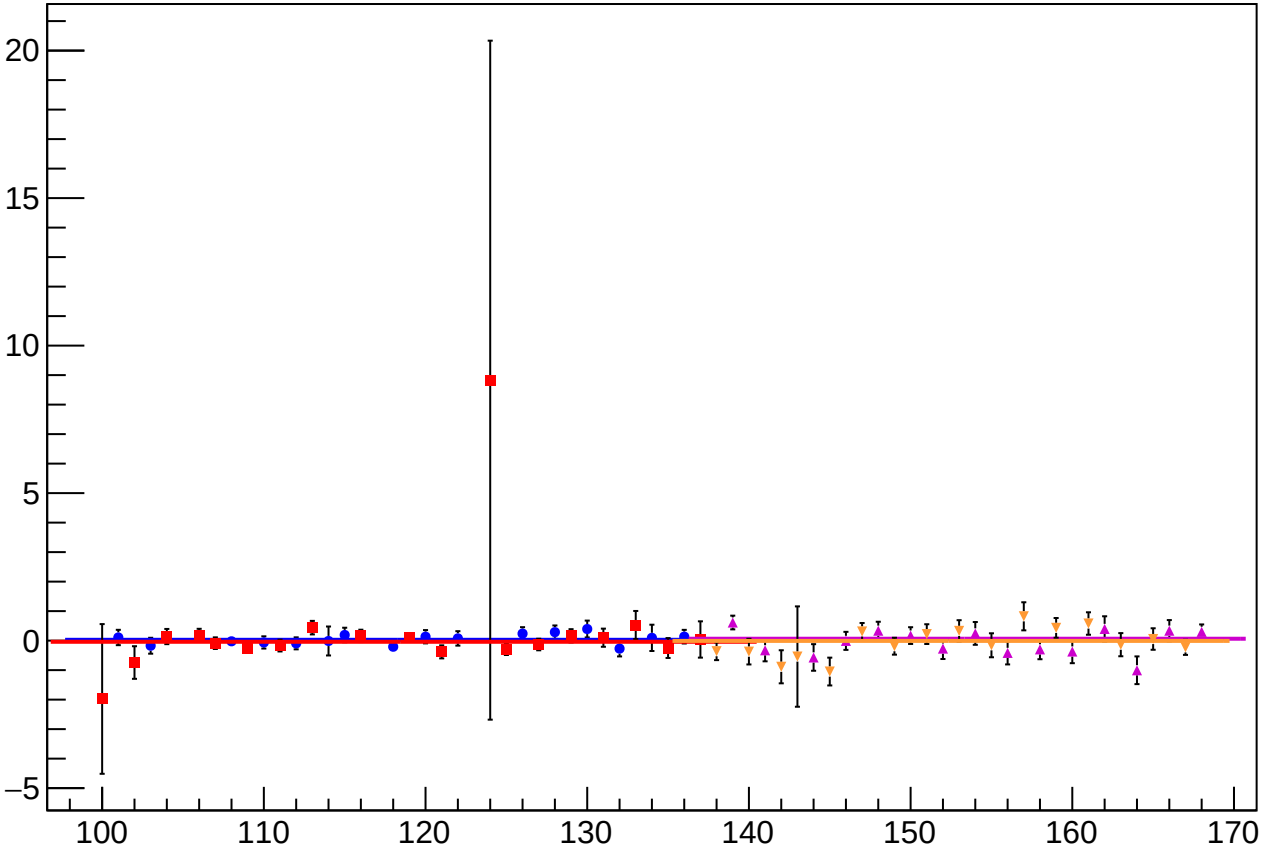
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3024684.6/30

Out: 0.000+/-0.000 χ^2/NDF:4580235.9/34

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

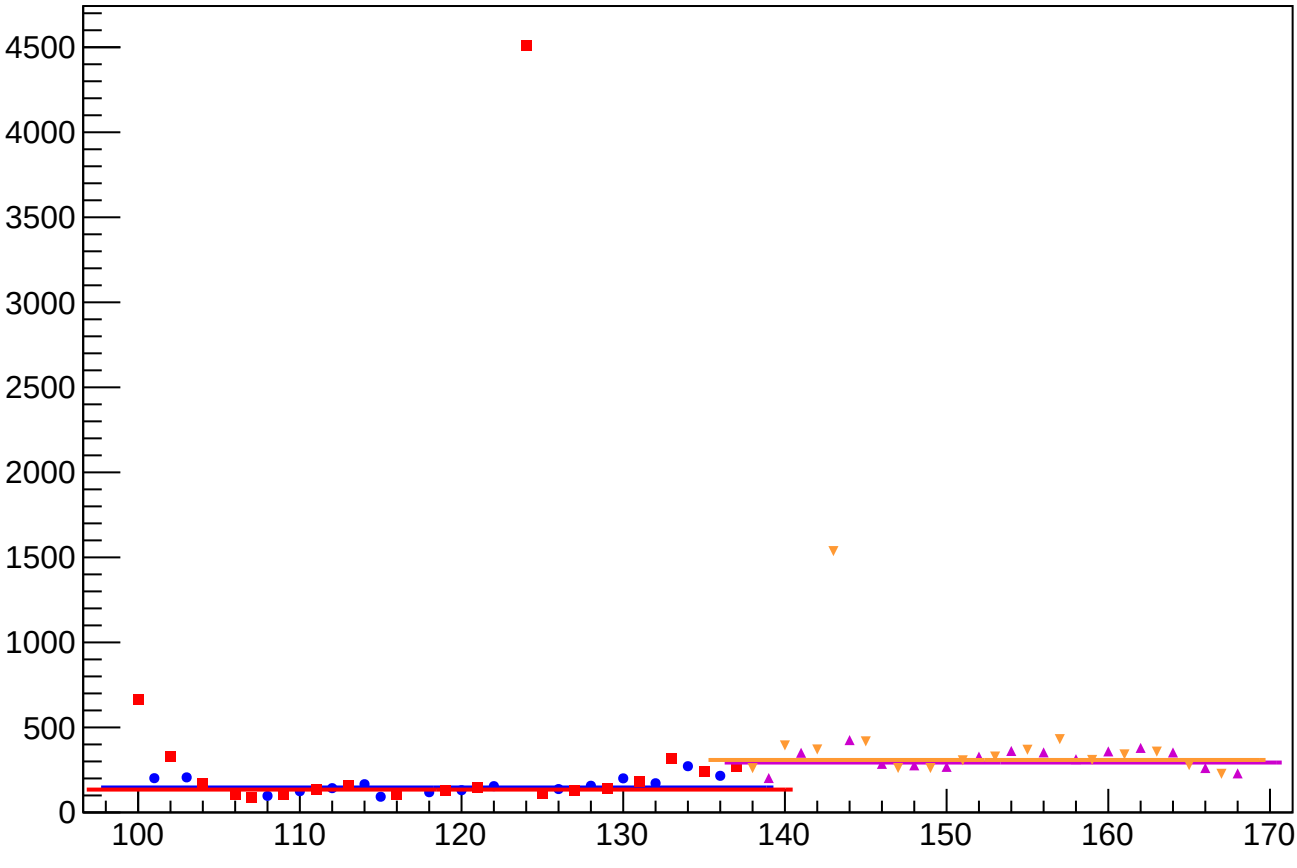
Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

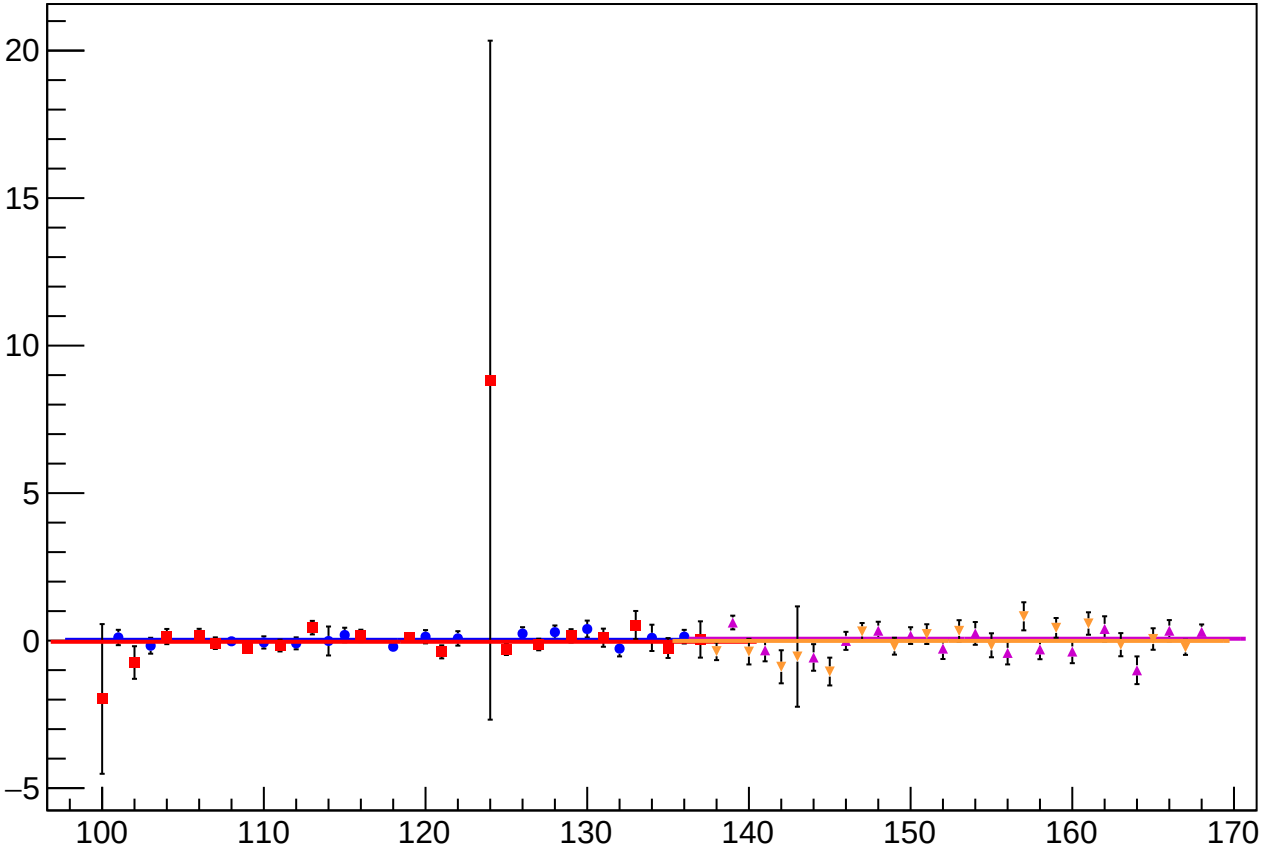
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

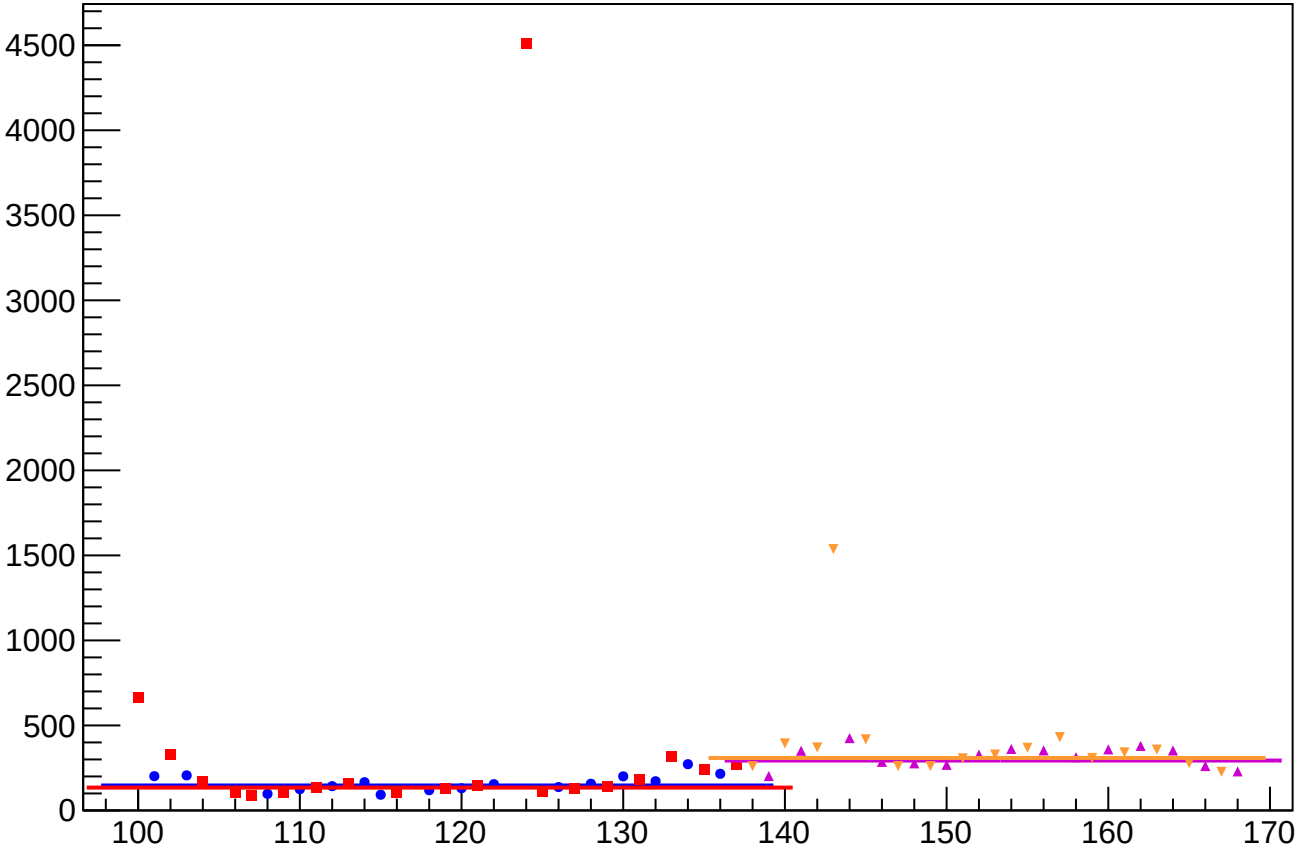
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

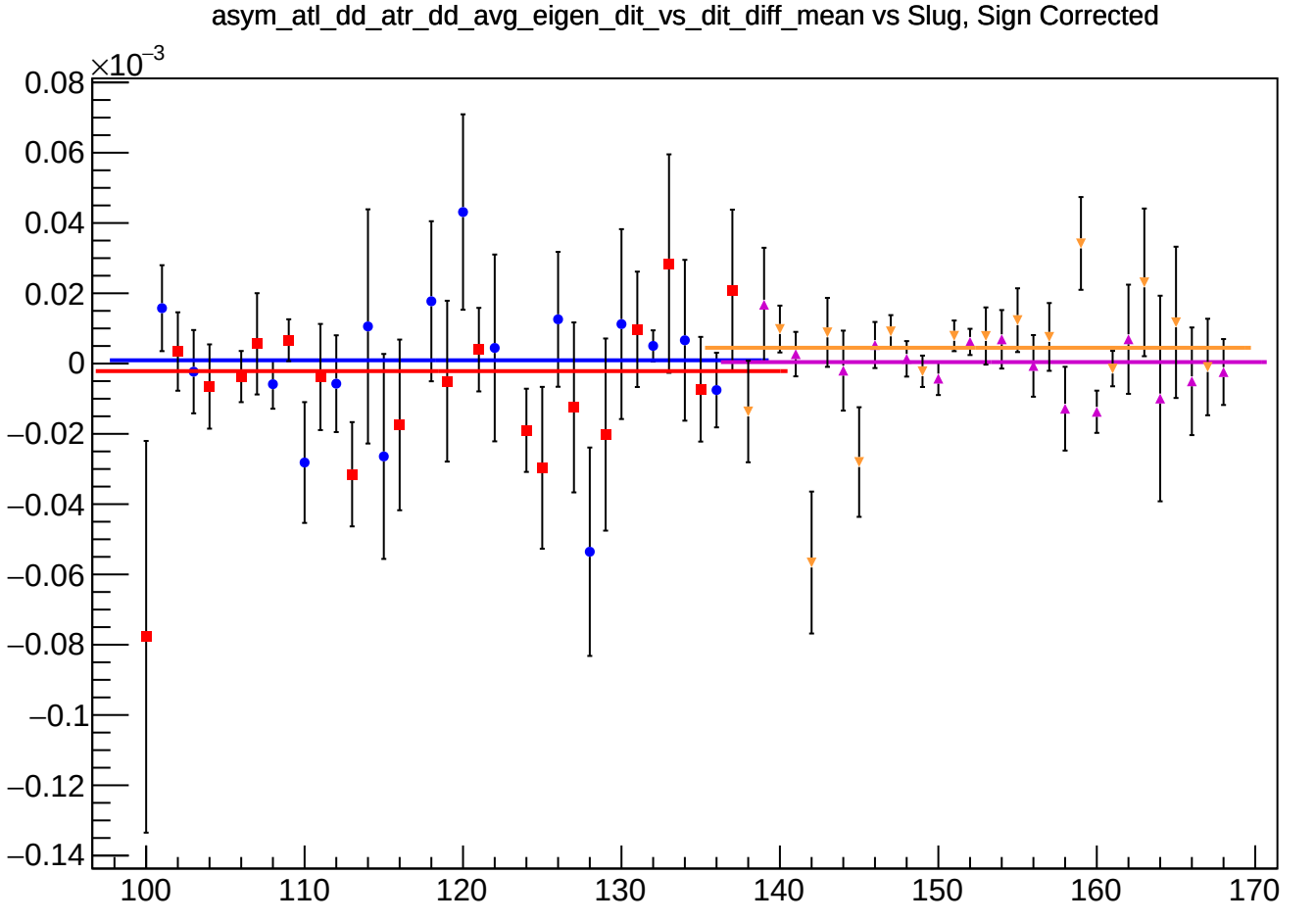
Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

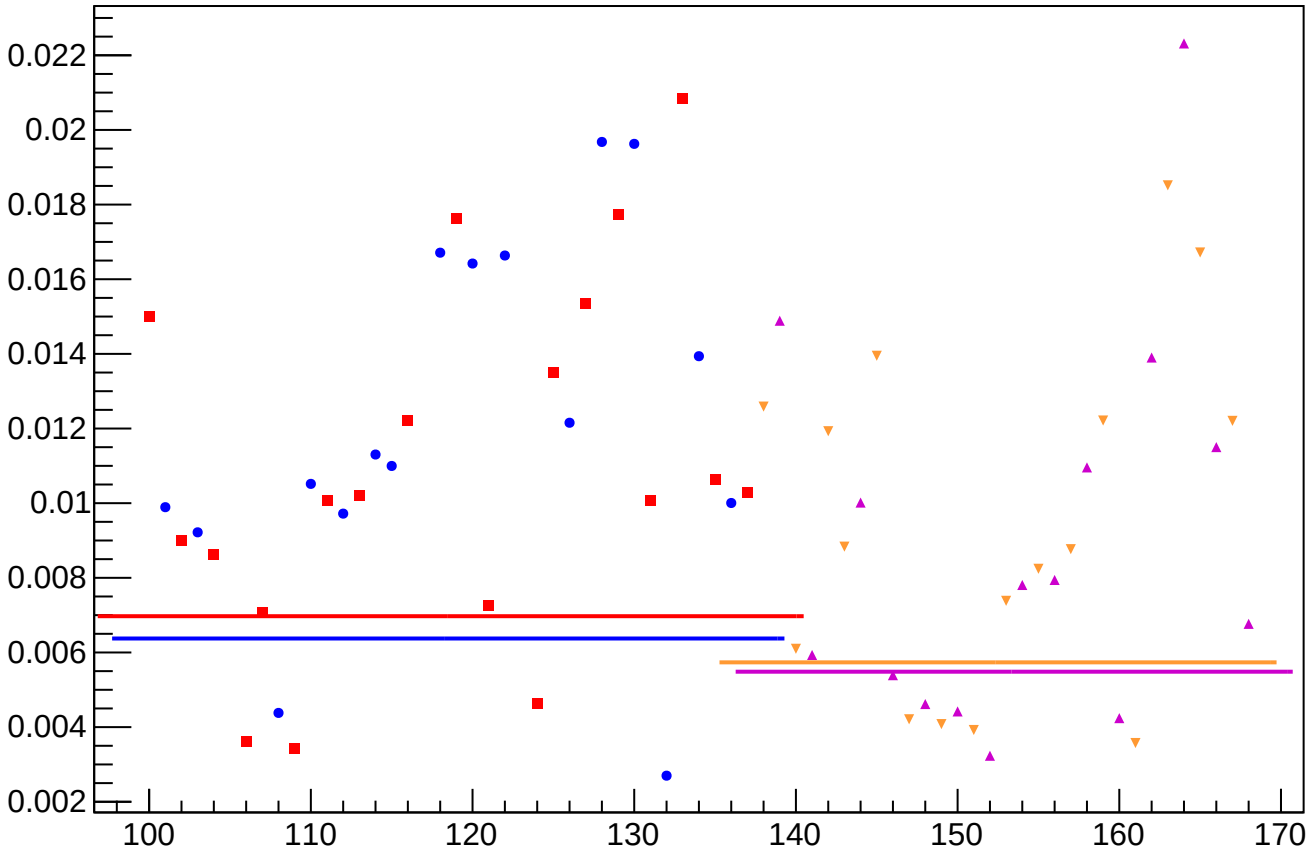
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:13.1/14
Left: 0.000+/-0.000 χ²/NDF: 43.8/30
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:28.0/30
Out: 0.000+/-0.000 χ²/NDF:47.8/34
All: 0.000+/-0.000 χ²/NDF: 76.7/65



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4308342.8/14

Left: 0.006+/-0.000 χ^2/NDF: 9547194.9/30

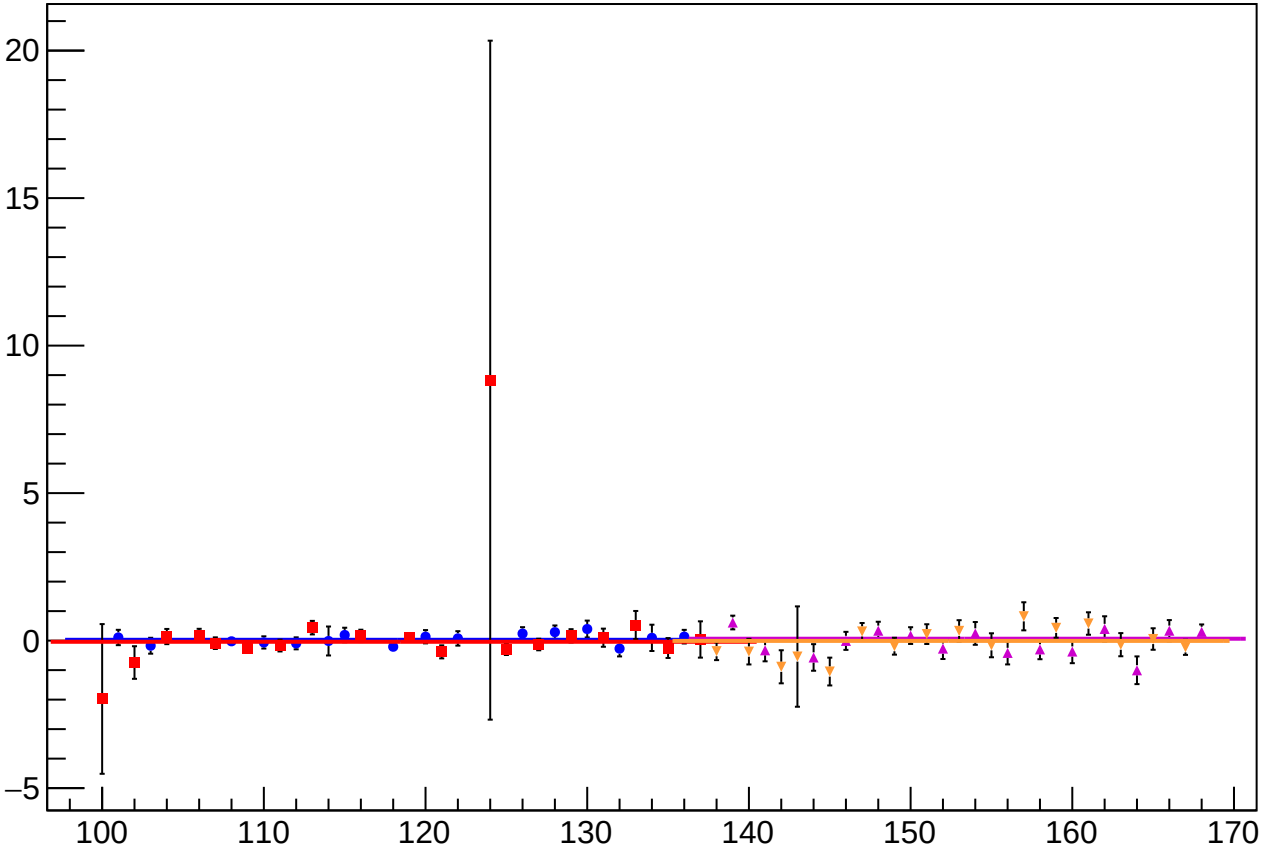
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9081038.5/30

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 18002791.7/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

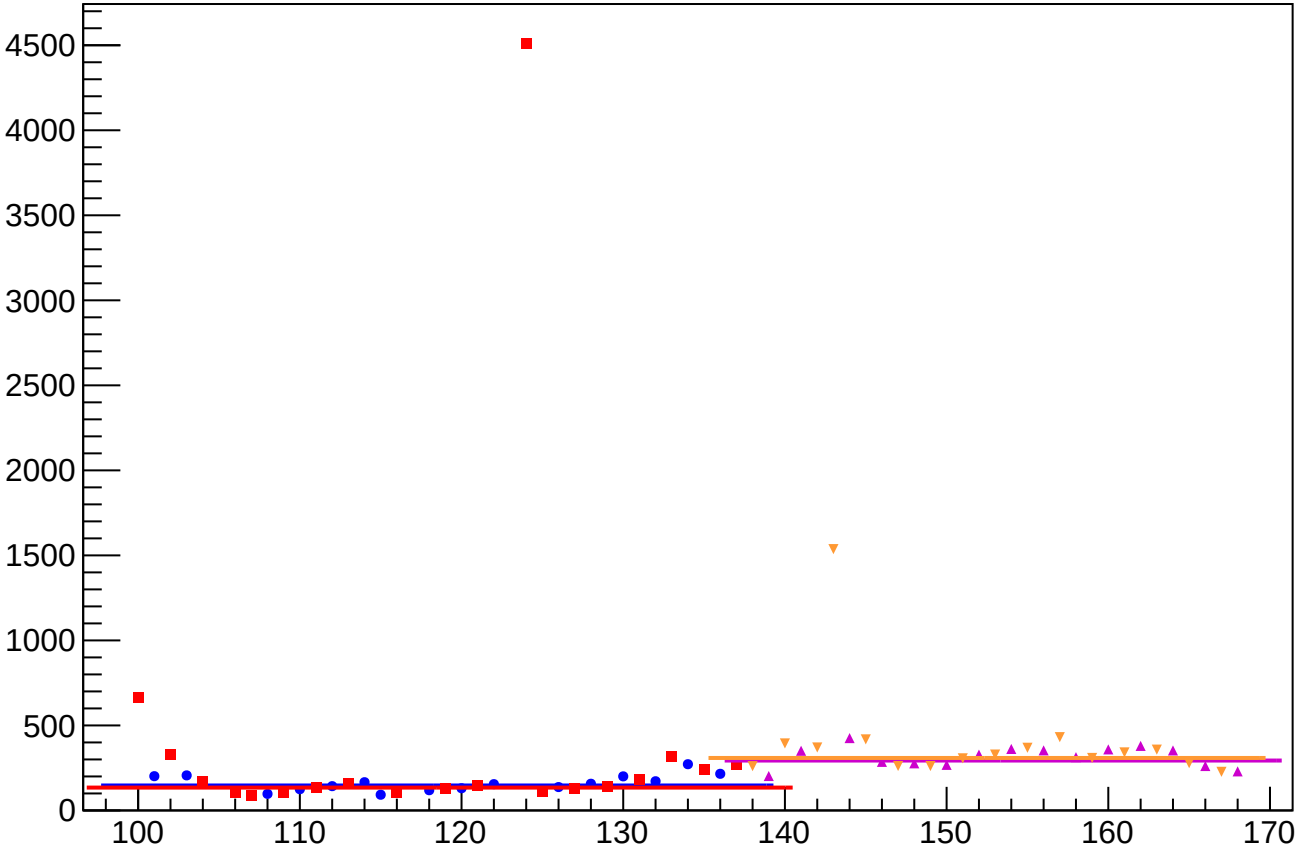
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

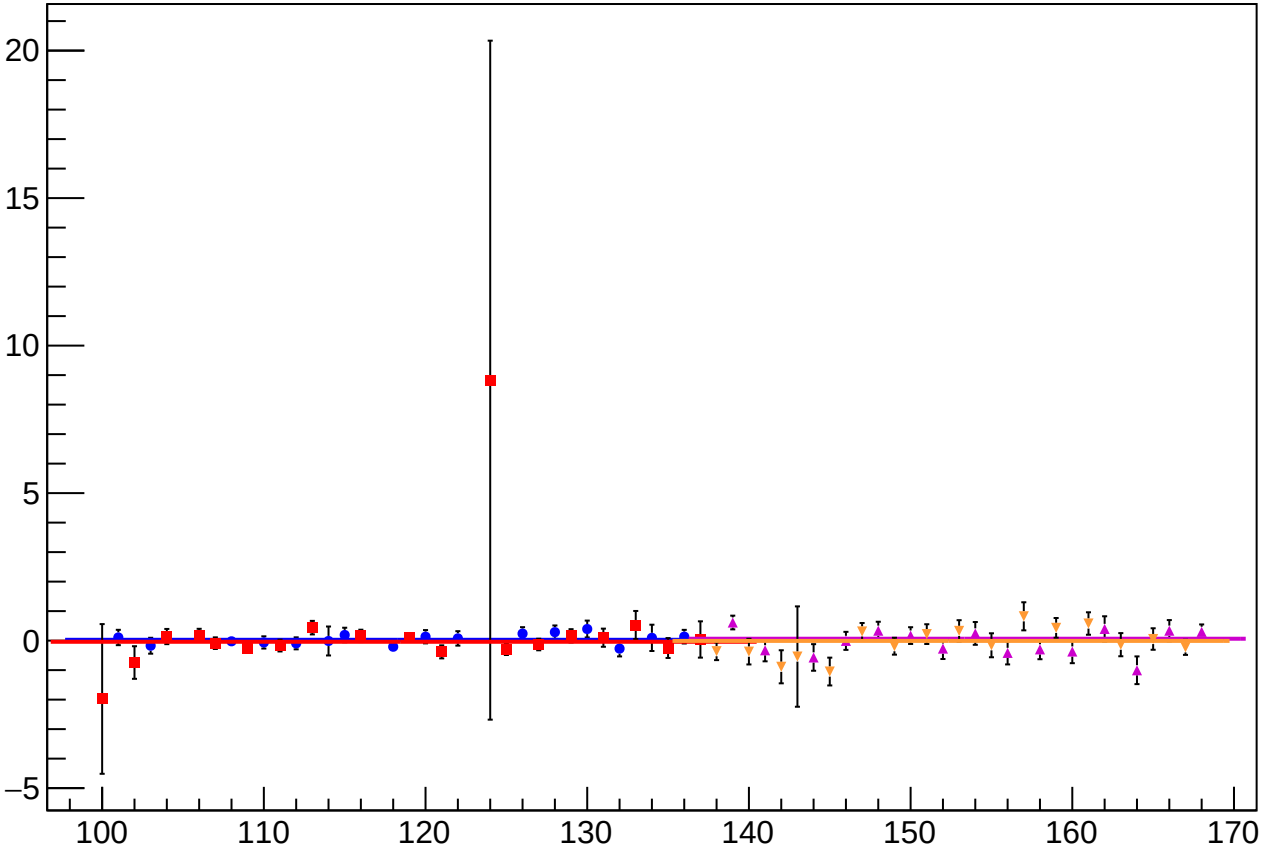
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

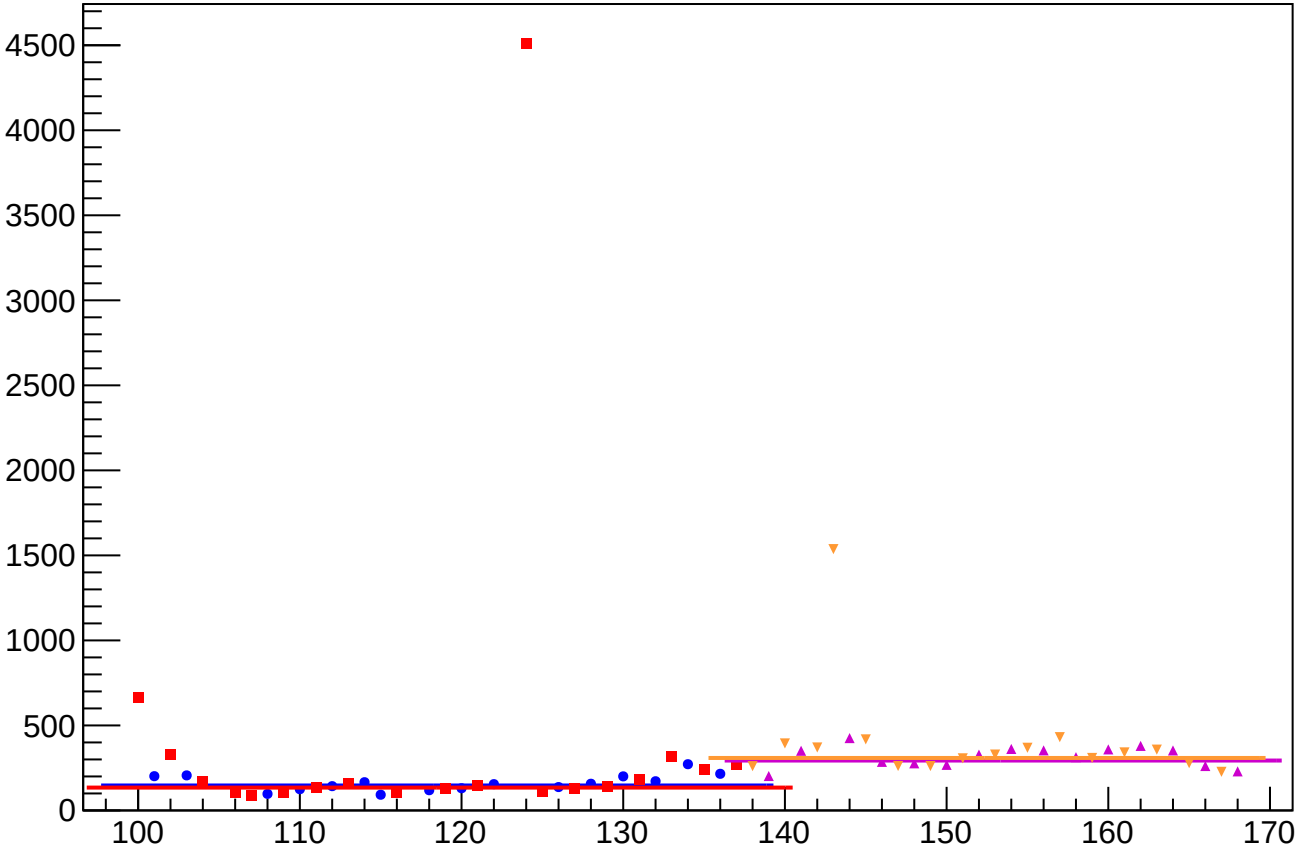
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

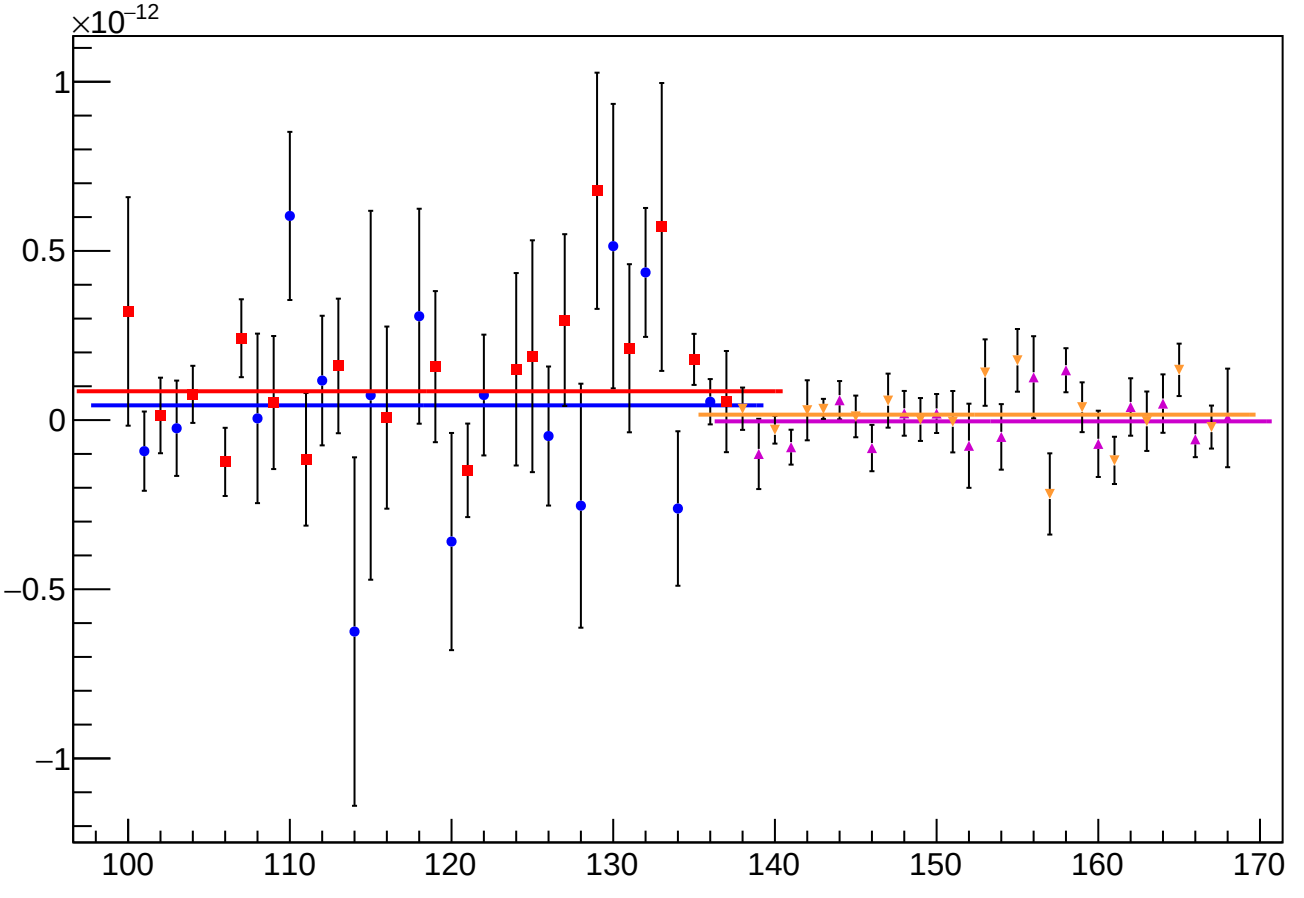
Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/14

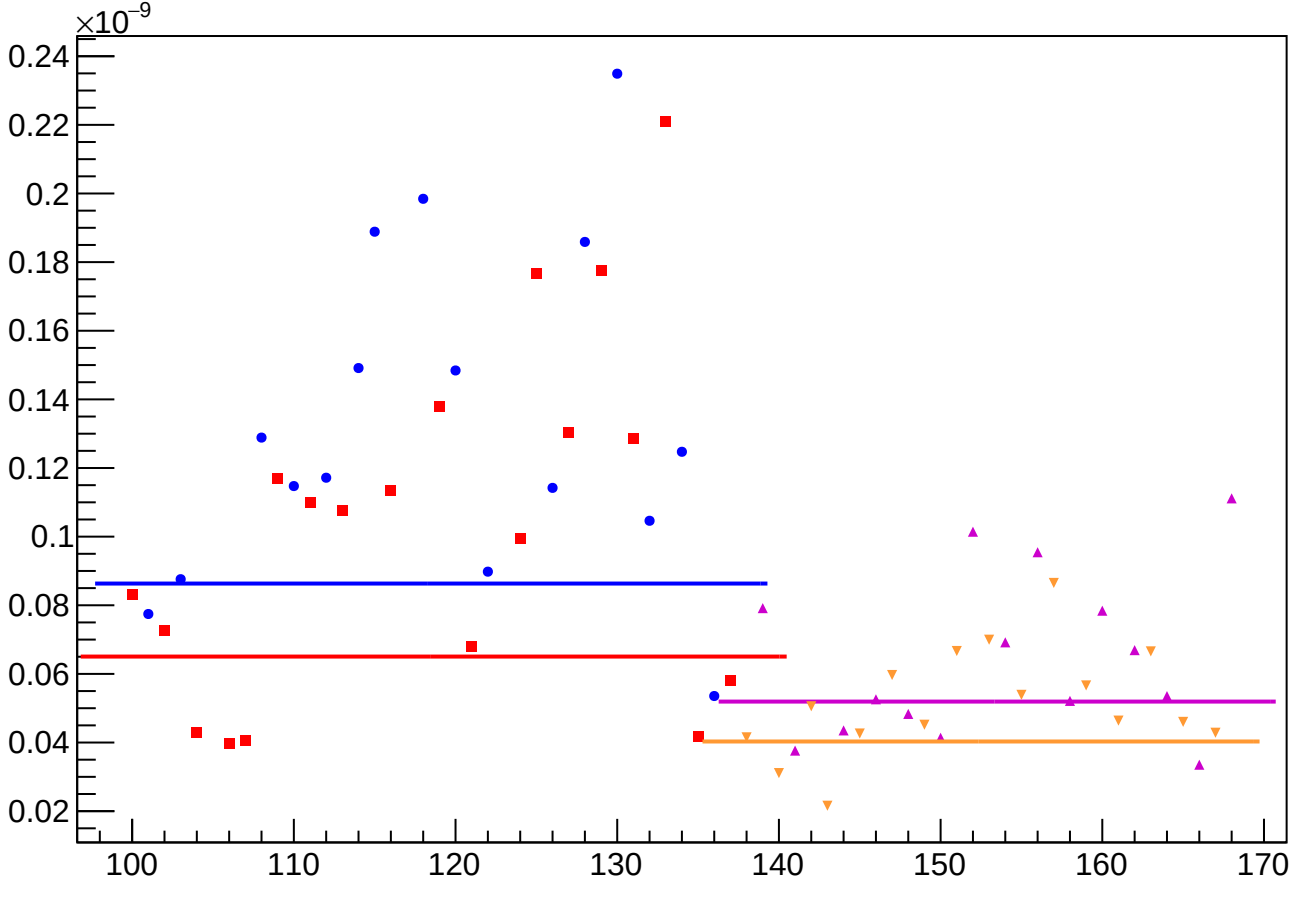
Left: 0.000+/-0.000 χ^2/NDF: 33.3/30

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

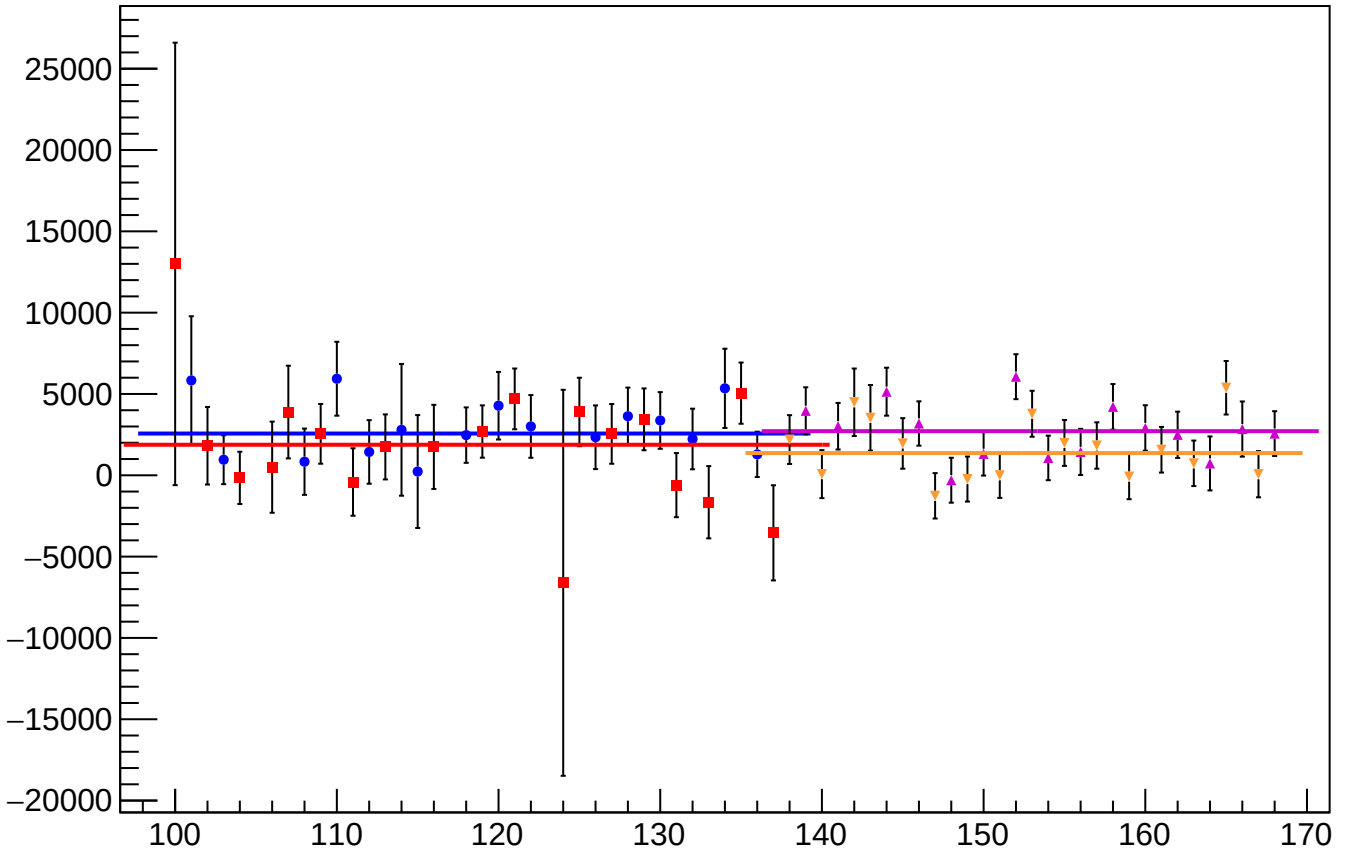
Left: 0.000+/-0.000 χ^2/NDF: 4332710.5/30

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4475062.6/30

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.249+/-371.537 χ^2/NDF:21.8/15

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2712.514+/-368.744 χ^2/NDF:20.2/14

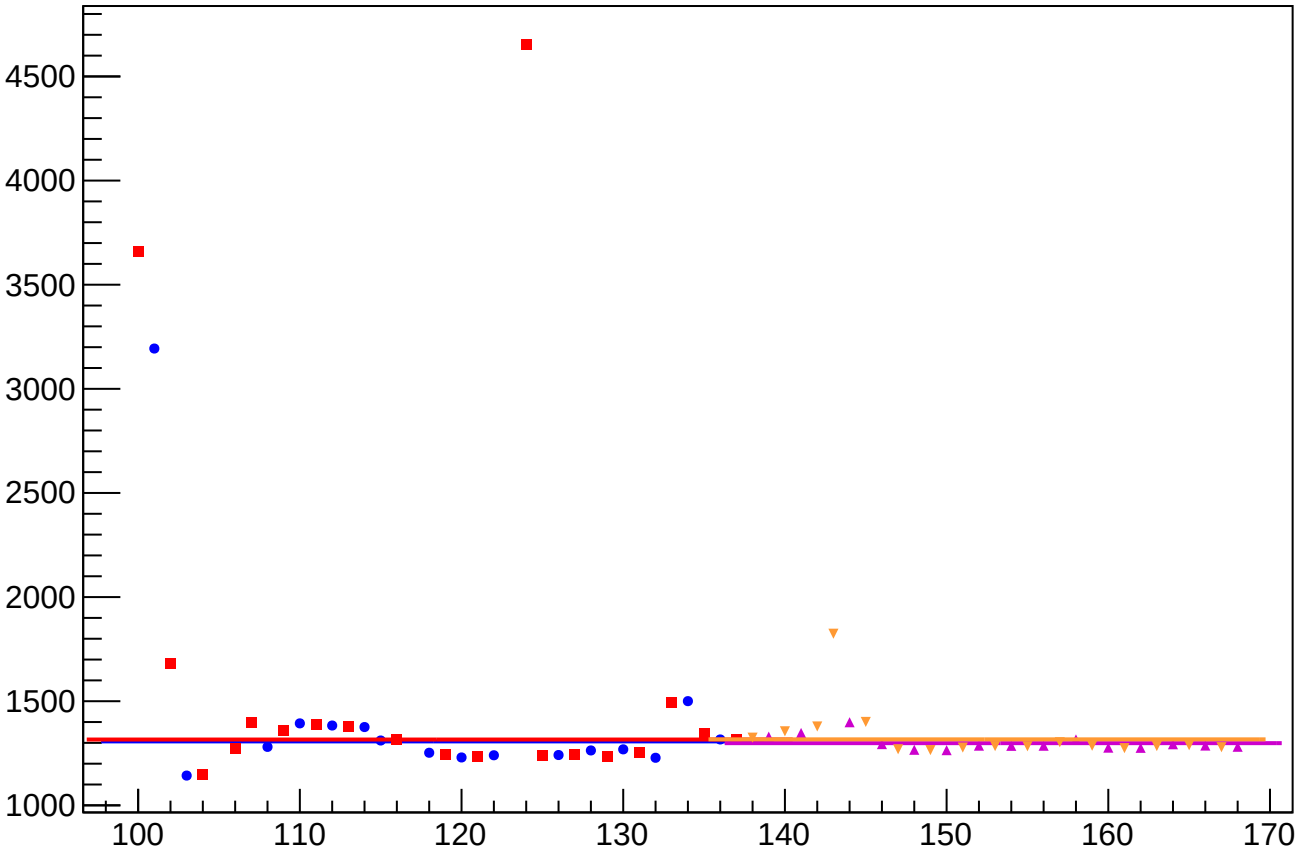
Left: 2044.957+/-261.723 χ^2/NDF: 48.7/30

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2660.795+/-295.790 χ^2/NDF:29.4/30

Out: 1551.446+/-297.086 χ^2/NDF:42.0/34

All: 2108.546+/-209.612 χ^2/NDF: 78.4/65



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

Left: 1307.670+/-0.185 χ^2/NDF: 169662.7/30

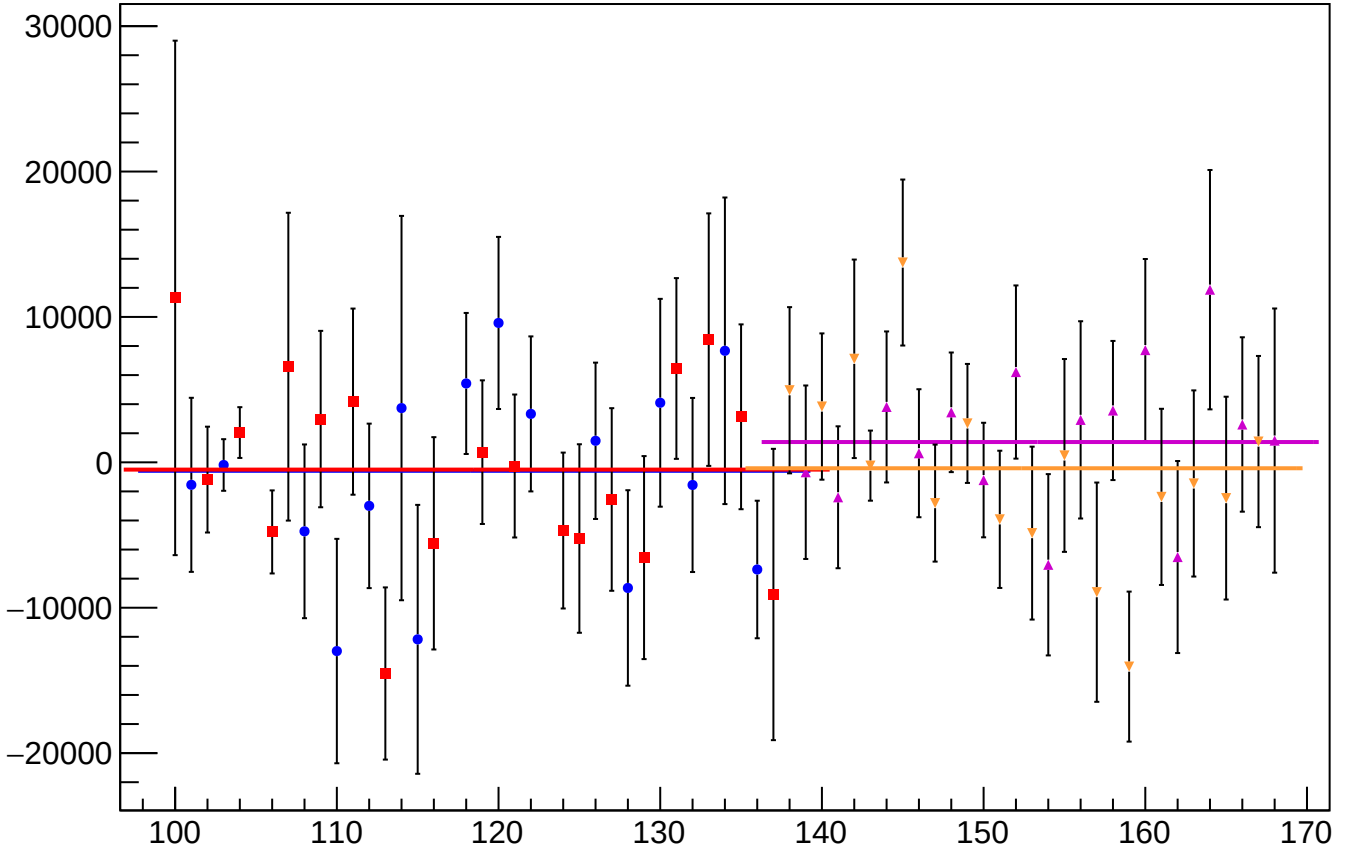
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1301.633+/-0.209 χ^2/NDF:533719.7/30

Out: 1316.546+/-0.210 χ^2/NDF:476563.1/34

All: 1309.064+/-0.148 χ^2/NDF: 1012816.1/65

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: -407.548+/-1223.574 χ^2/NDF:19.6/15

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1395.899+/-1407.600 χ^2/NDF:8.5/14

Left: 368.655+/-923.454 χ^2/NDF: 29.1/30

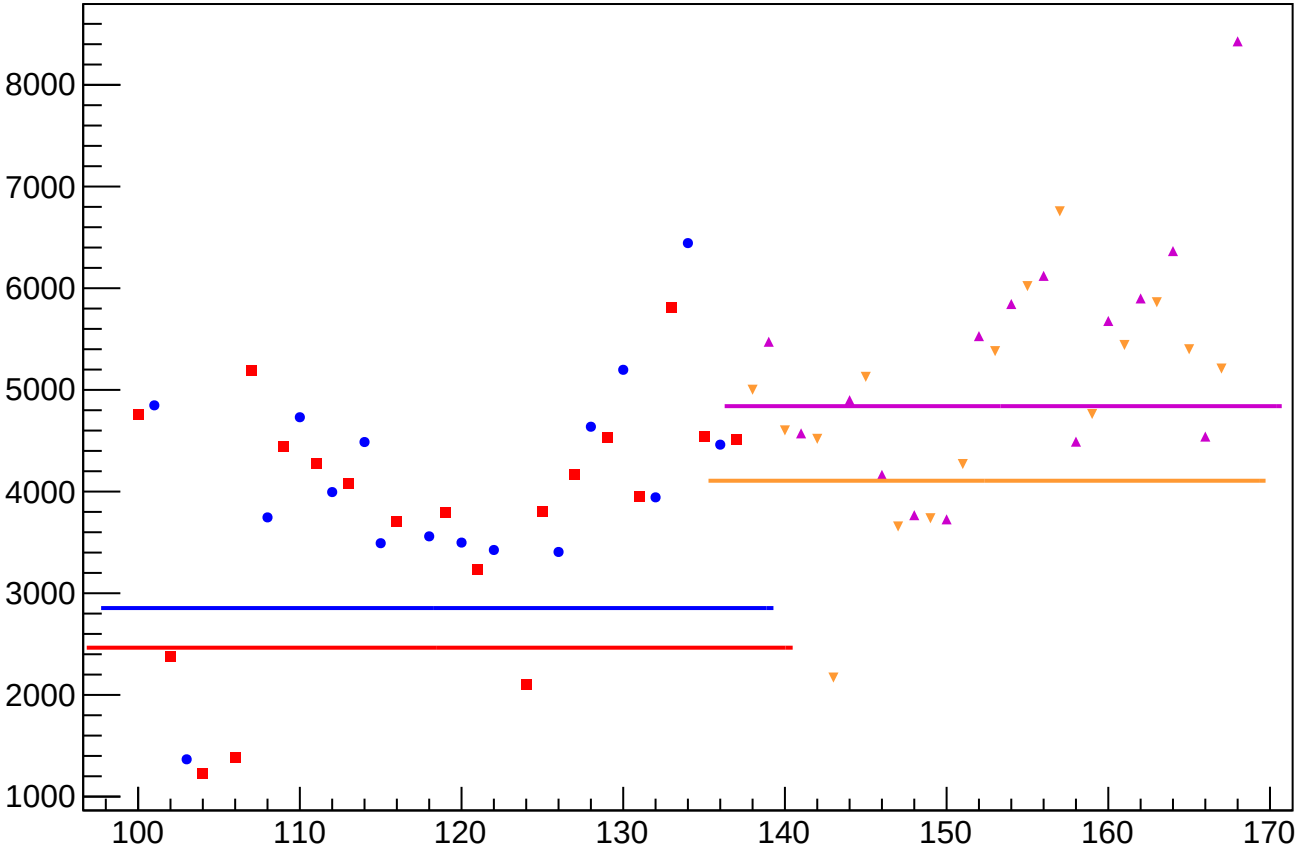
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 244.849+/-910.035 χ^2/NDF:24.4/30

Out: -460.614+/-799.193 χ^2/NDF:37.3/34

All: -153.440+/-600.501 χ^2/NDF: 62.1/65

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4106.590+/-0.865 χ^2/NDF:2397438.5/15

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4840.109+/-0.995 χ^2/NDF:1005070.0/14

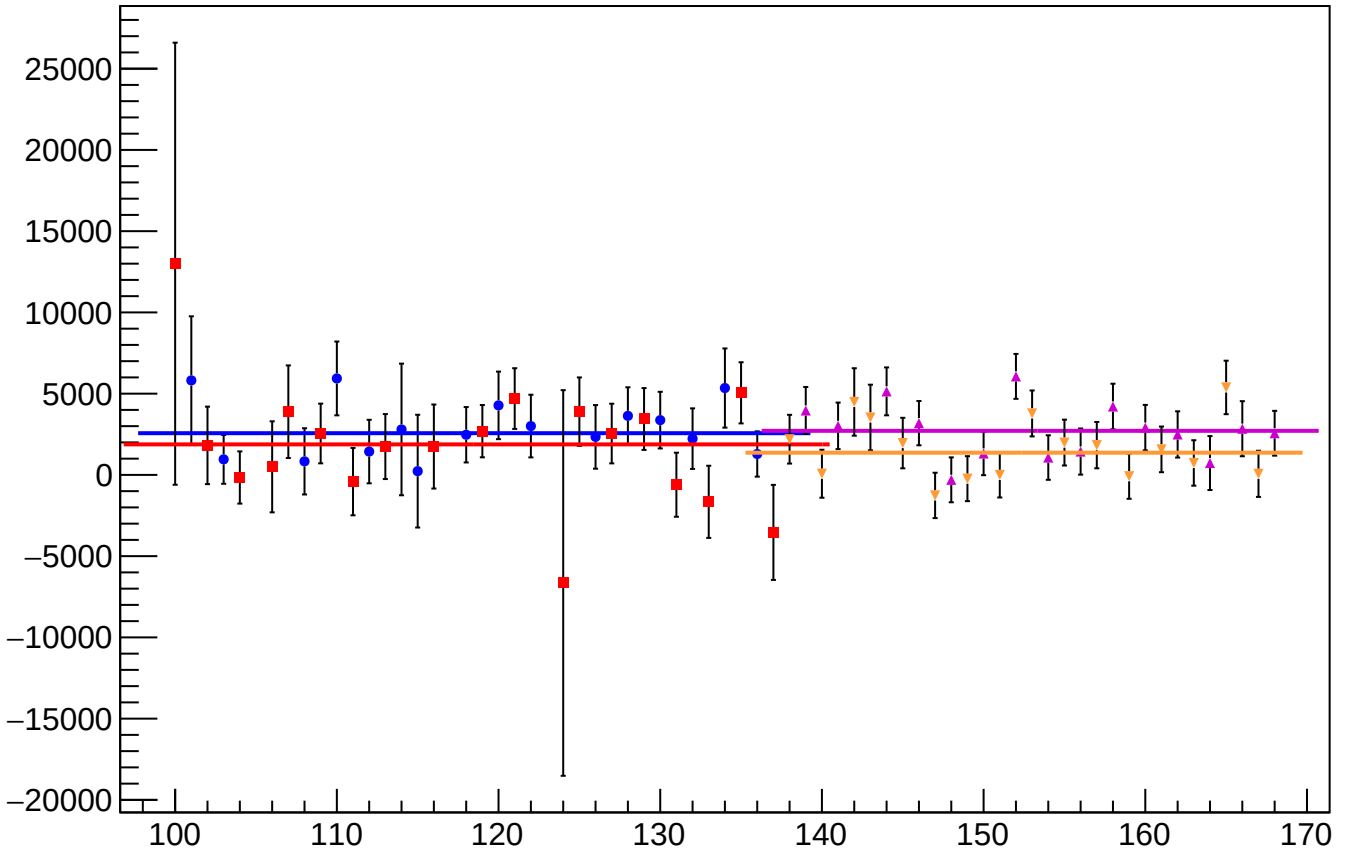
Left: 4422.296+/-0.653 χ^2/NDF: 3711869.4/30

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3684.333+/-0.643 χ^2/NDF:6226662.3/30

Out: 3165.104+/-0.565 χ^2/NDF:7818553.6/34

All: 3391.188+/-0.425 χ^2/NDF: 14412798.4/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.192+/-371.537 χ^2/NDF:21.8/15

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2712.574+/-368.744 χ^2/NDF:20.2/14

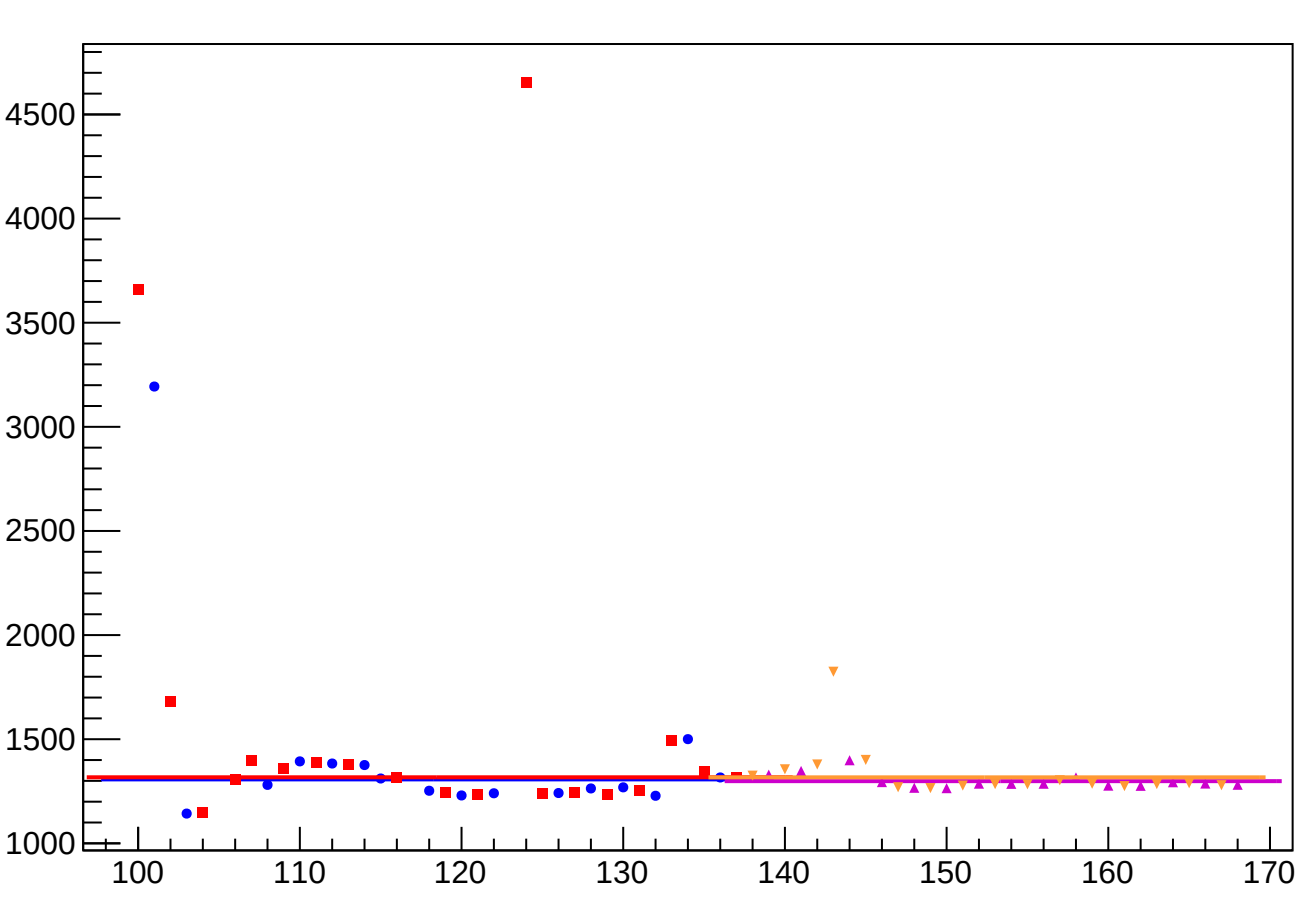
Left: 2044.959+/-261.723 χ^2/NDF: 48.7/30

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2660.734+/-295.790 χ^2/NDF:29.3/30

Out: 1551.317+/-297.086 χ^2/NDF:42.0/34

All: 2108.451+/-209.612 χ^2/NDF: 78.4/65



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

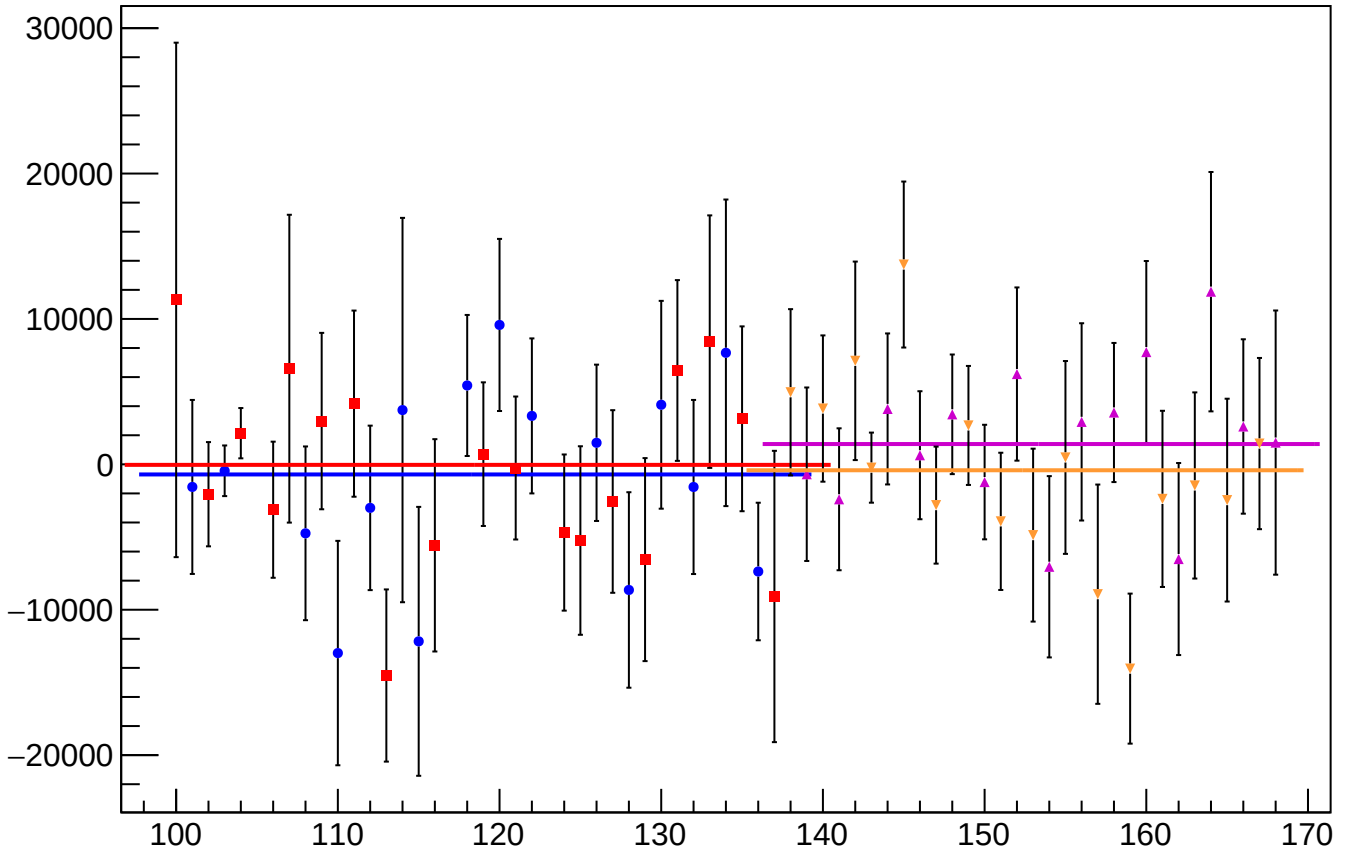
Left: 1307.670+/-0.185 χ^2/NDF: 169662.7/30

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1301.633+/-0.209 χ^2/NDF:533721.2/30

Out: 1316.955+/-0.210 χ^2/NDF:476066.4/34

All: 1309.266+/-0.148 χ^2/NDF: 1012460.8/65



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -407.550+/-1223.569 χ^2/NDF:19.6/15

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1395.983+/-1407.600 χ^2/NDF:8.5/14

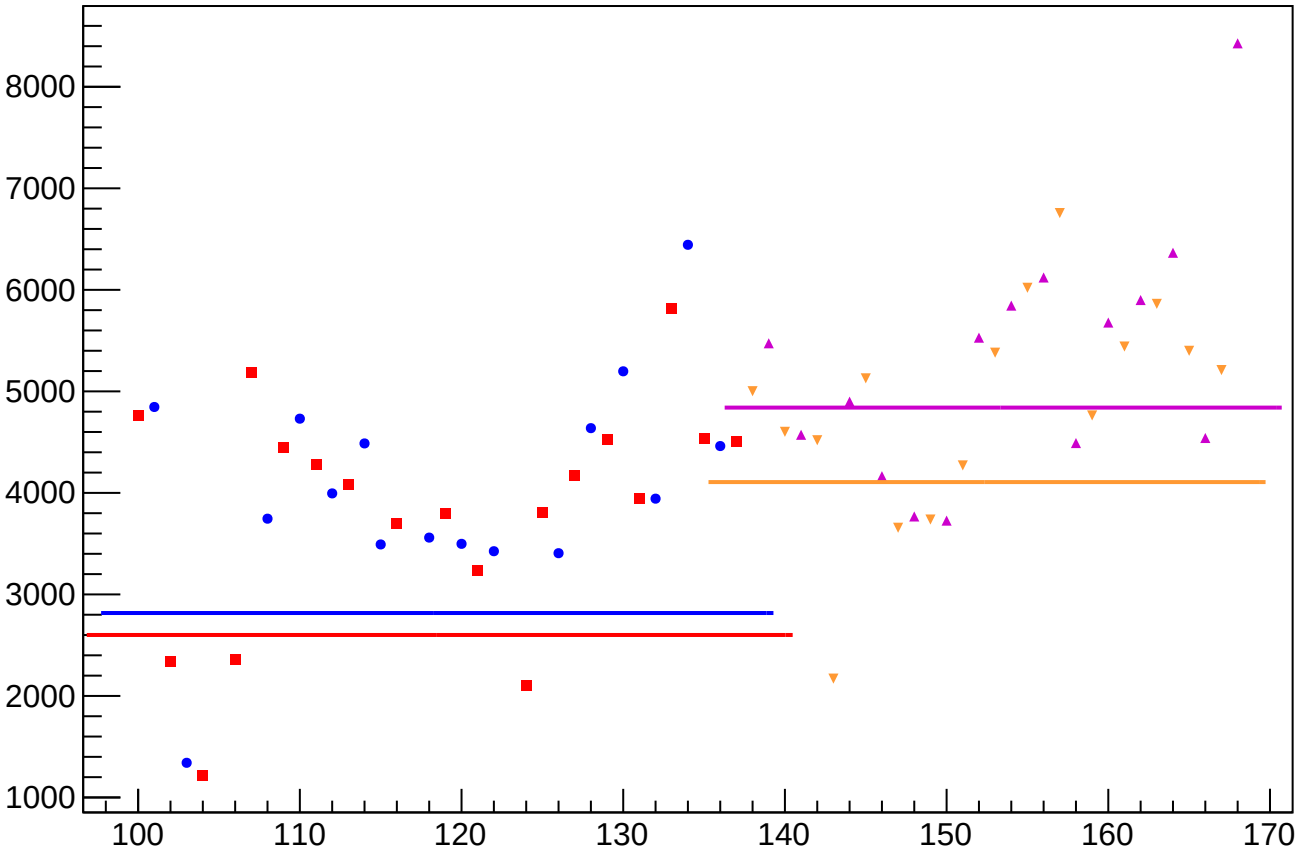
Left: 368.687+/-923.452 χ^2/NDF: 29.1/30

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 169.927+/-905.379 χ^2/NDF:24.5/30

Out: -201.835+/-817.288 χ^2/NDF:35.6/34

All: -34.915+/-606.669 χ^2/NDF: 60.2/65



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4840.108+/-0.995 χ^2/NDF:1005076.8/14

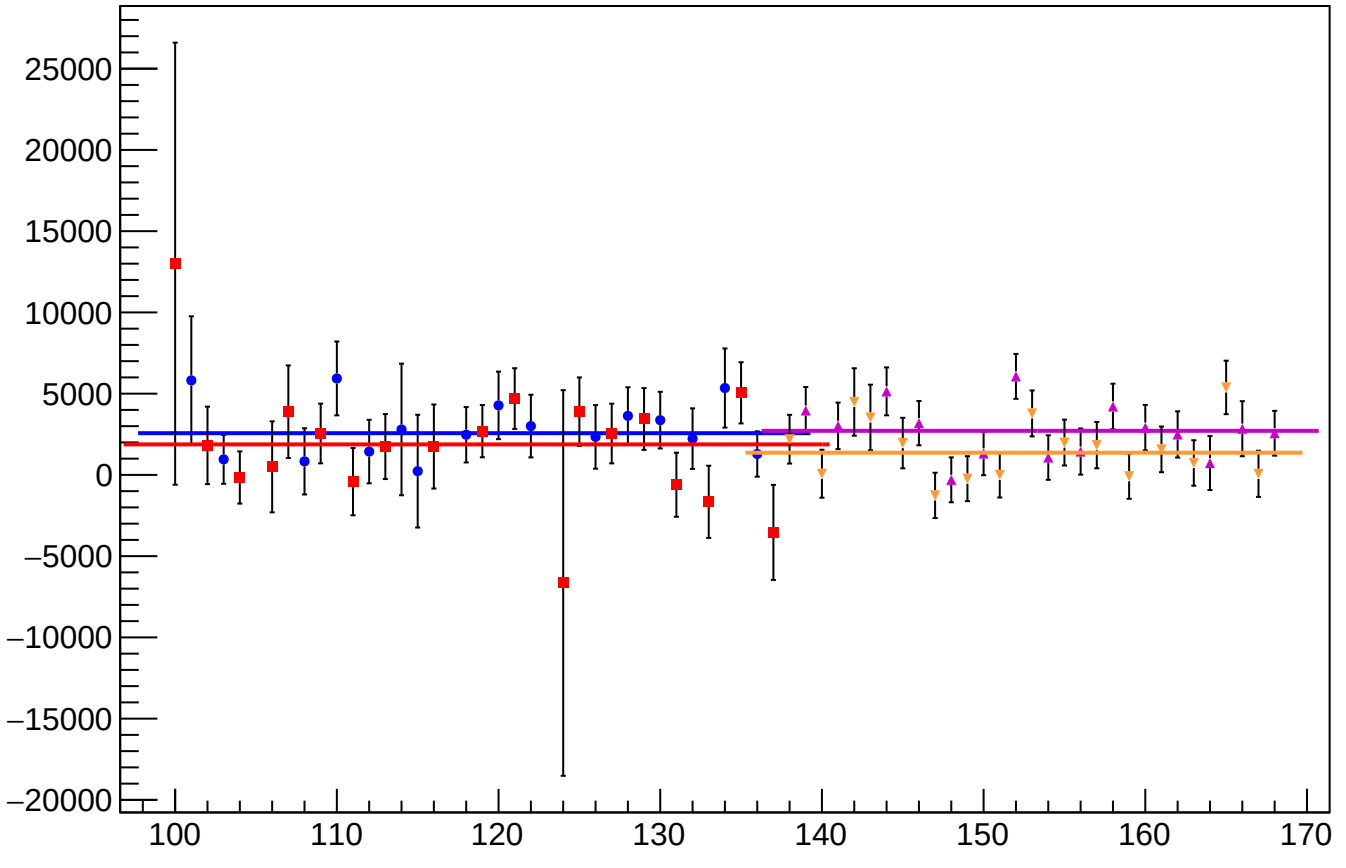
Left: 4422.282+/-0.653 χ^2/NDF: 3711968.8/30

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3653.866+/-0.640 χ^2/NDF:6435408.0/30

Out: 3272.465+/-0.578 χ^2/NDF:7156430.4/34

All: 3443.713+/-0.429 χ^2/NDF: 13787401.5/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1367.192+/-371.537 χ^2/NDF:21.8/15

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2712.574+/-368.744 χ^2/NDF:20.2/14

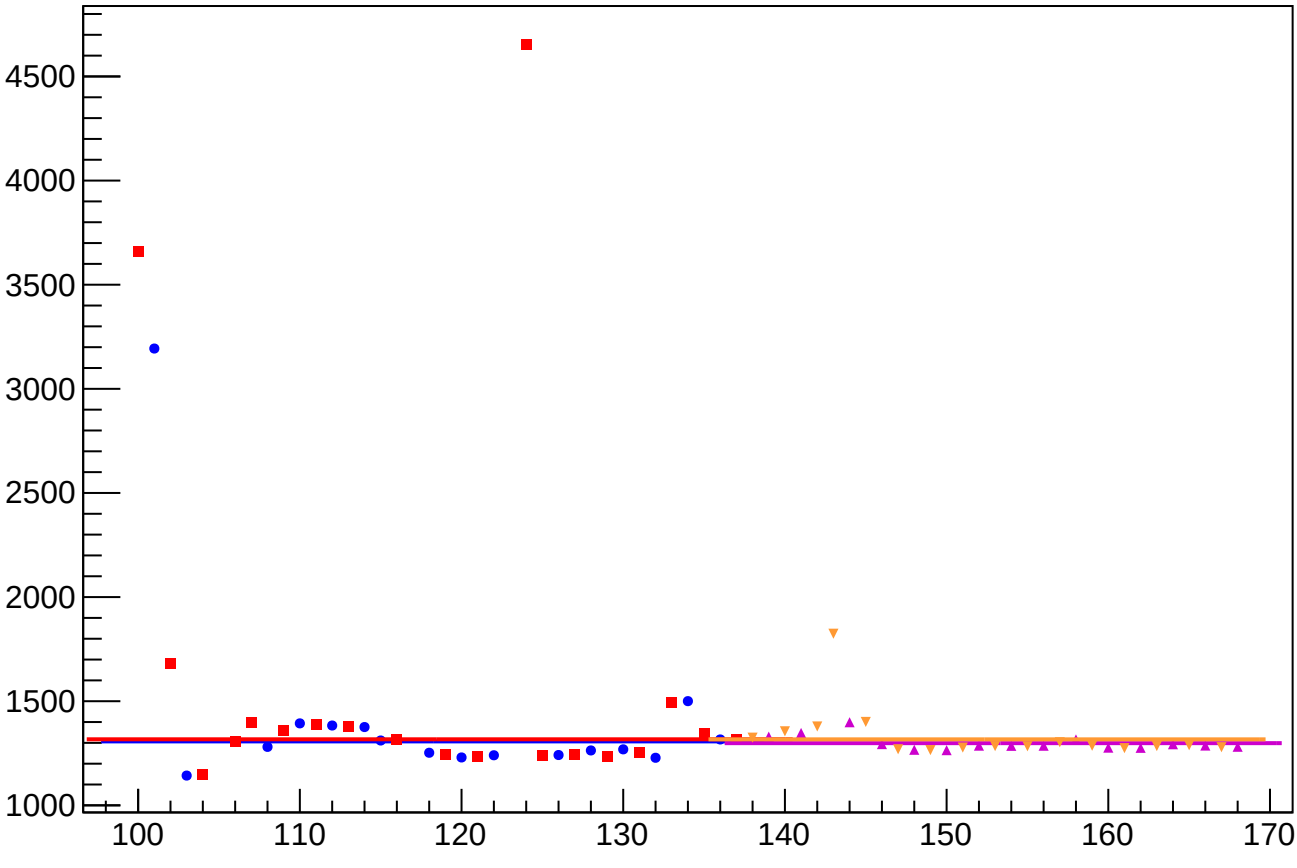
Left: 2044.959+/-261.723 χ^2/NDF: 48.7/30

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2660.734+/-295.790 χ^2/NDF:29.3/30

Out: 1551.317+/-297.086 χ^2/NDF:42.0/34

All: 2108.451+/-209.612 χ^2/NDF: 78.4/65



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1316.856+/-0.263 χ^2/NDF:150139.3/15

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1298.622+/-0.261 χ^2/NDF:17096.5/14

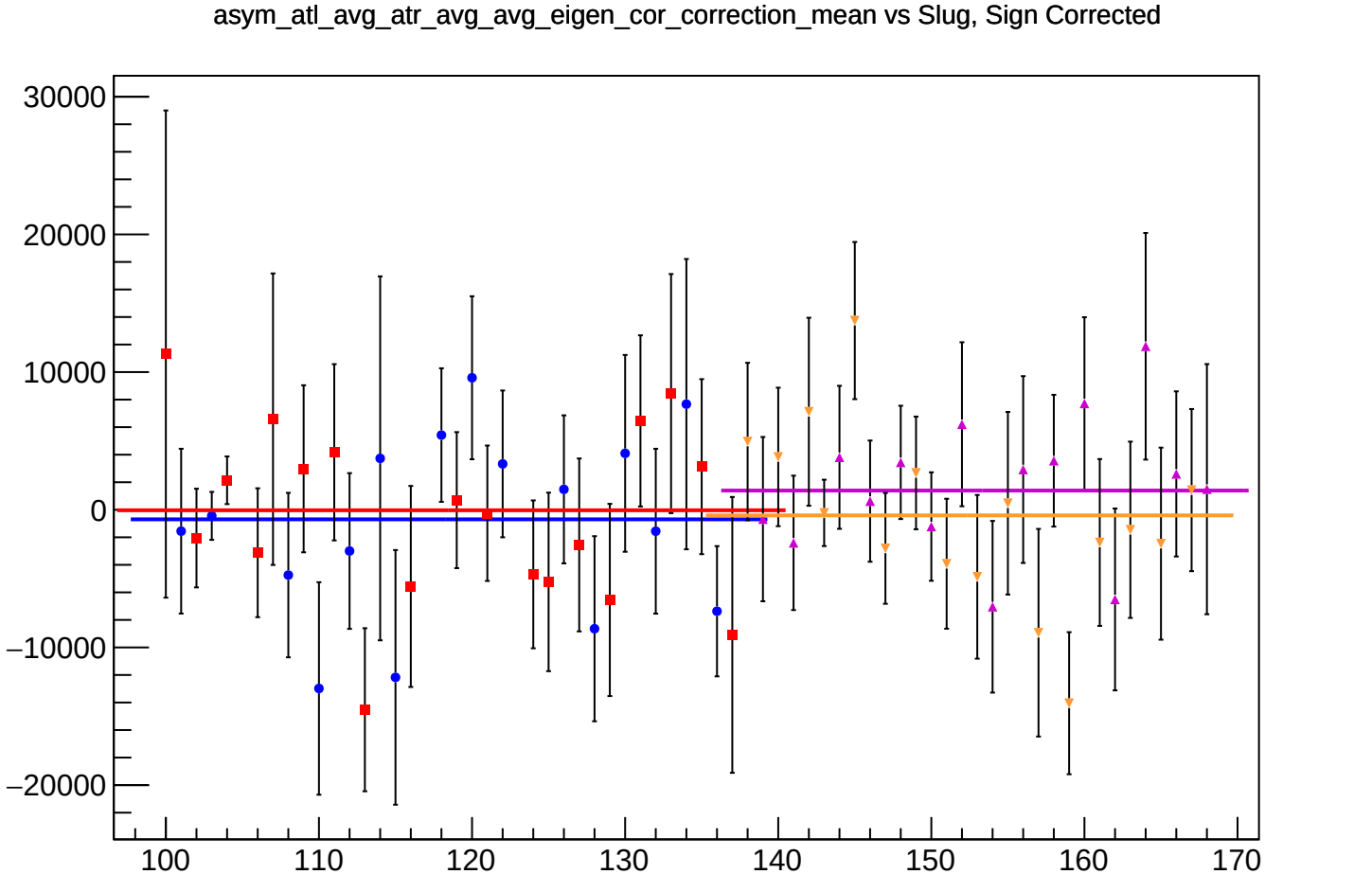
Left: 1307.670+/-0.185 χ^2/NDF: 169662.7/30

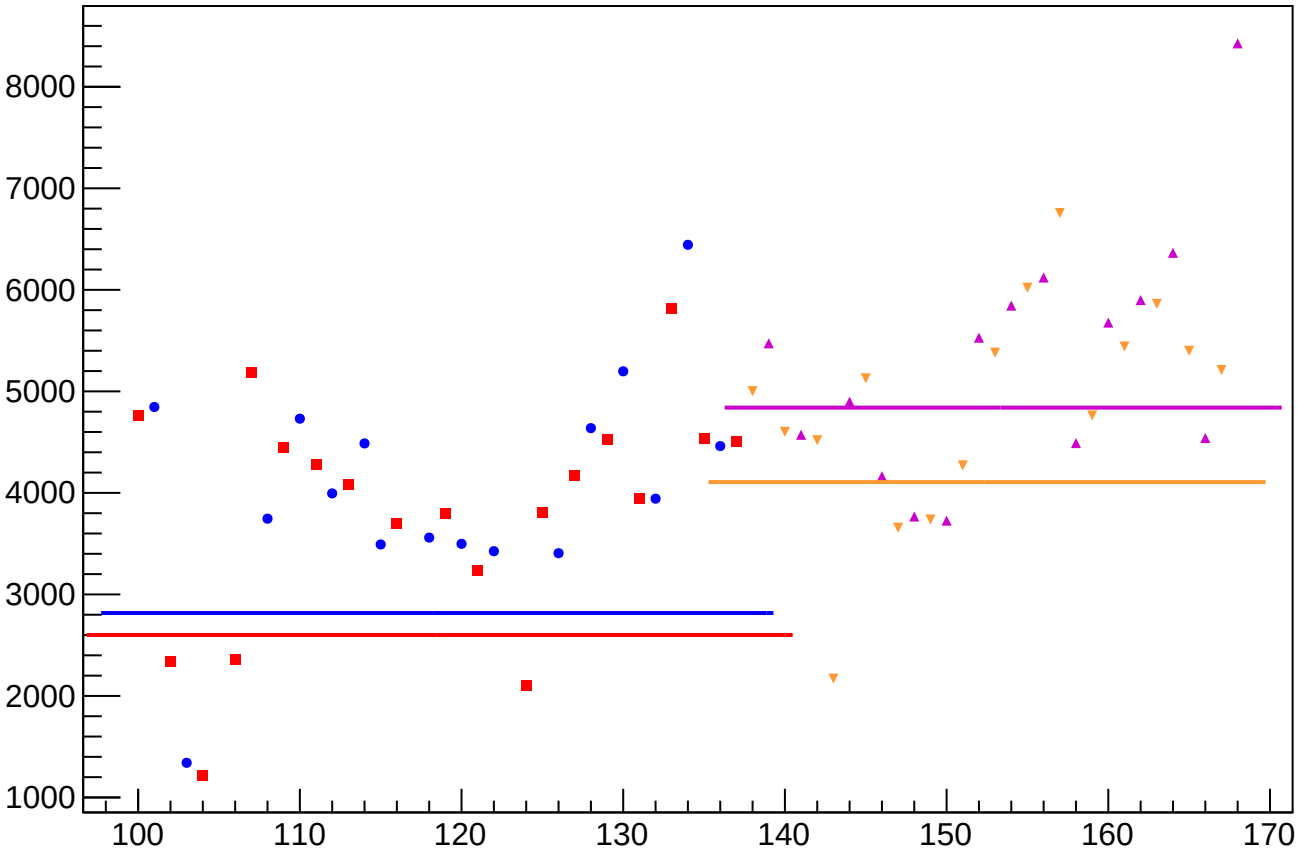
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1301.633+/-0.209 χ^2/NDF:533721.2/30

Out: 1316.955+/-0.210 χ^2/NDF:476066.4/34

All: 1309.266+/-0.148 χ^2/NDF: 1012460.8/65


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -407.550+/-1223.569 χ²/NDF:19.6/15
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 1395.983+/-1407.600 χ²/NDF:8.5/14
Left: 368.687+/-923.452 χ²/NDF: 29.1/30
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: 169.927+/-905.379 χ²/NDF:24.5/30
Out: -201.835+/-817.288 χ²/NDF:35.6/34
All: -34.915+/-606.669 χ²/NDF: 60.2/65



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4106.567+/-0.865 χ^2/NDF:2397512.2/15

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4840.108+/-0.995 χ^2/NDF:1005076.8/14

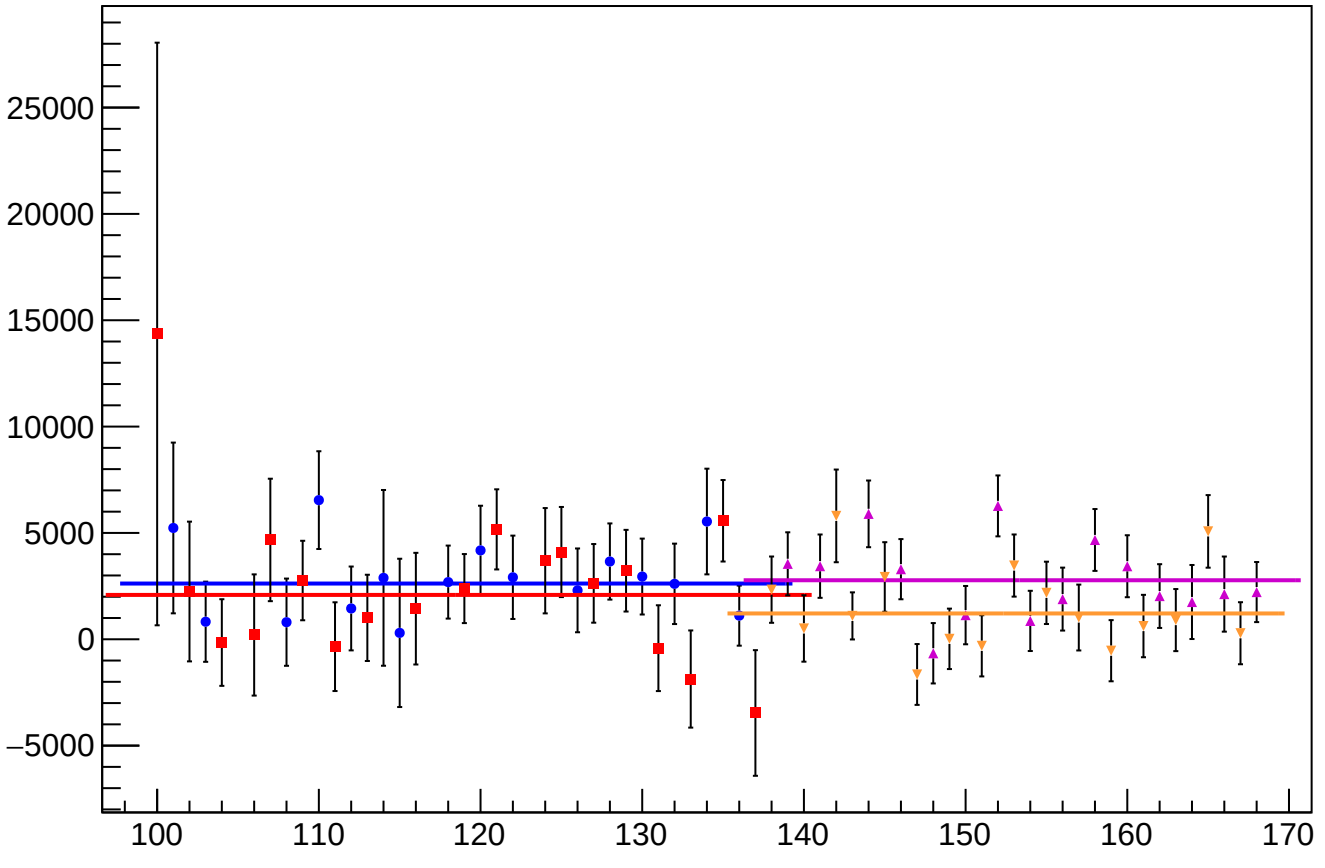
Left: 4422.282+/-0.653 χ^2/NDF: 3711968.8/30

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3653.866+/-0.640 χ^2/NDF:6435408.0/30

Out: 3272.465+/-0.578 χ^2/NDF:7156430.4/34

All: 3443.713+/-0.429 χ^2/NDF: 13787401.5/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1213.995+/-370.818 χ^2/NDF:22.2/15

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2775.288+/-382.774 χ^2/NDF:22.8/14

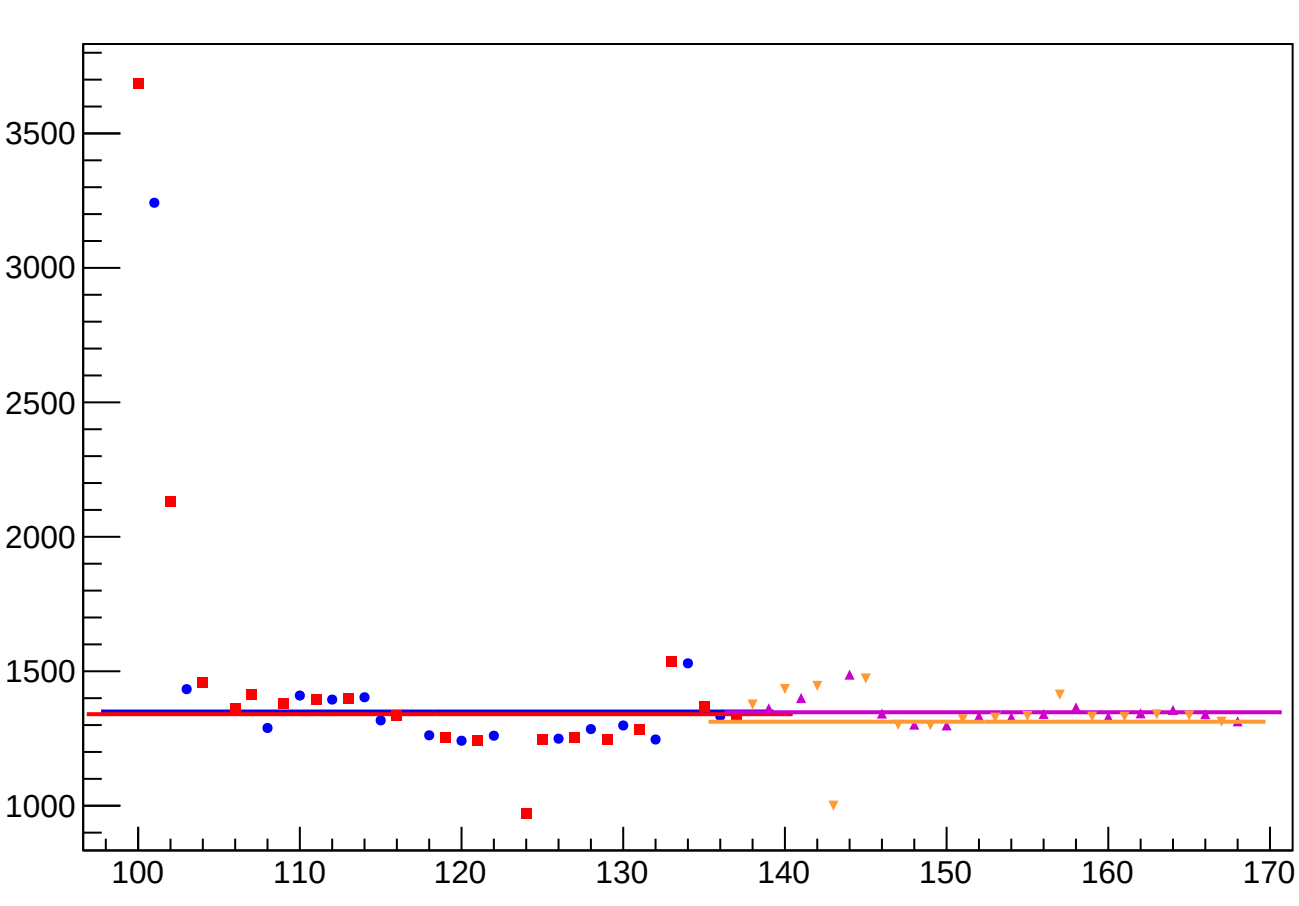
Left: 1969.878+/-266.334 χ^2/NDF: 53.5/30

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2719.737+/-306.466 χ^2/NDF:32.1/30

Out: 1519.425+/-298.866 χ^2/NDF:45.0/34

All: 2104.514+/-213.967 χ^2/NDF: 85.1/65



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.363+/-0.262 χ^2/NDF:212467.6/15

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1347.615+/-0.271 χ^2/NDF:25692.9/14

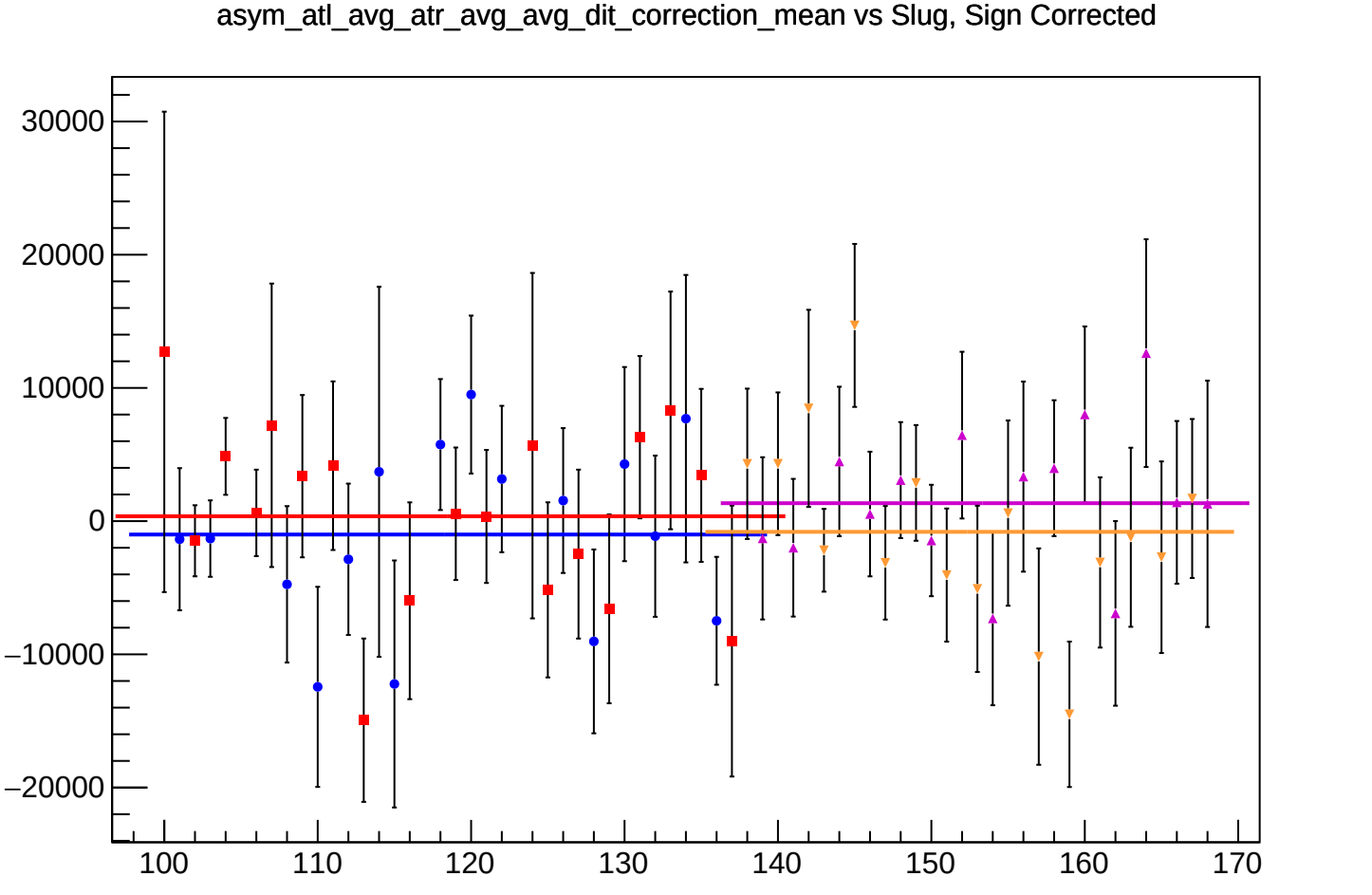
Left: 1329.430+/-0.188 χ^2/NDF: 246911.1/30

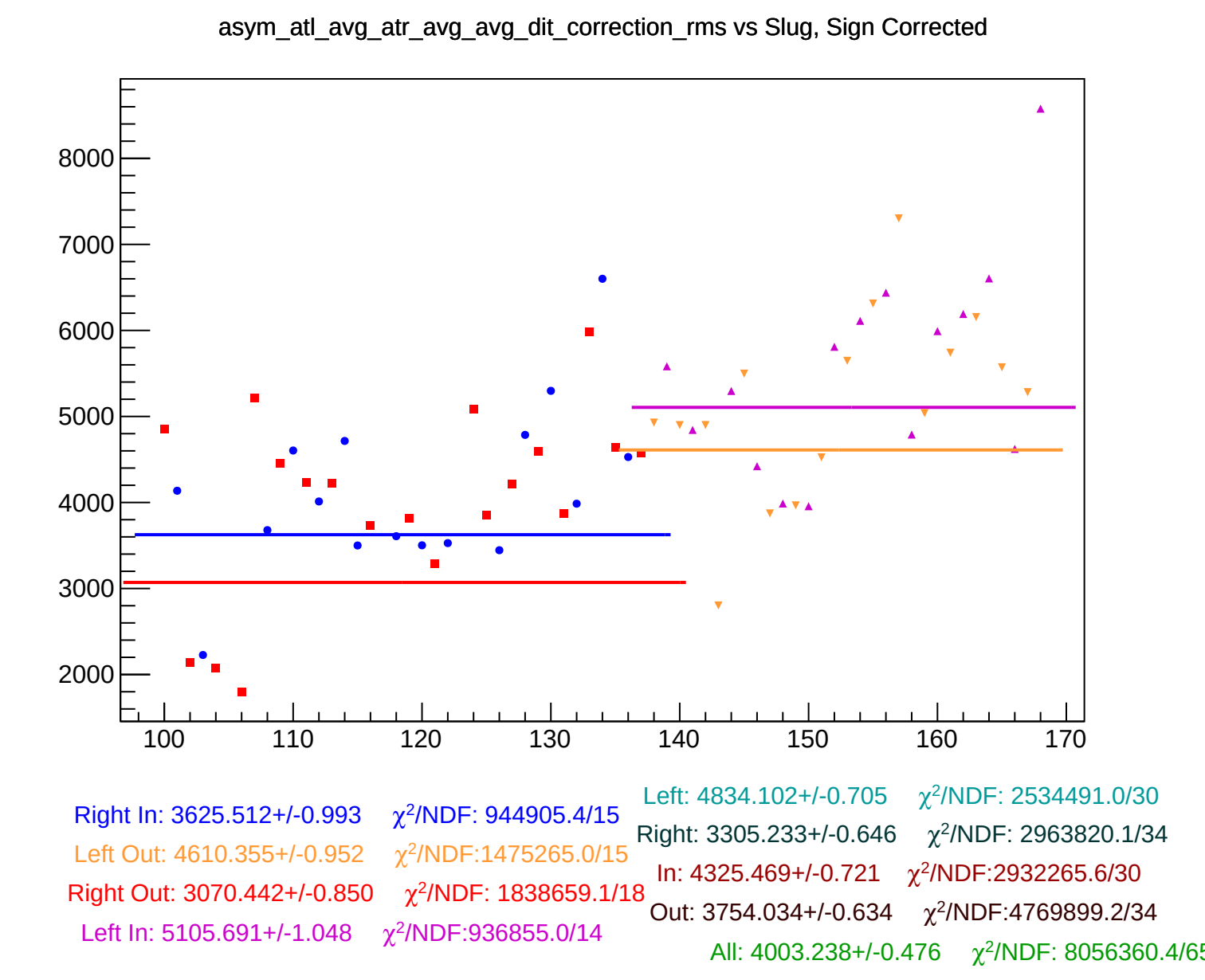
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

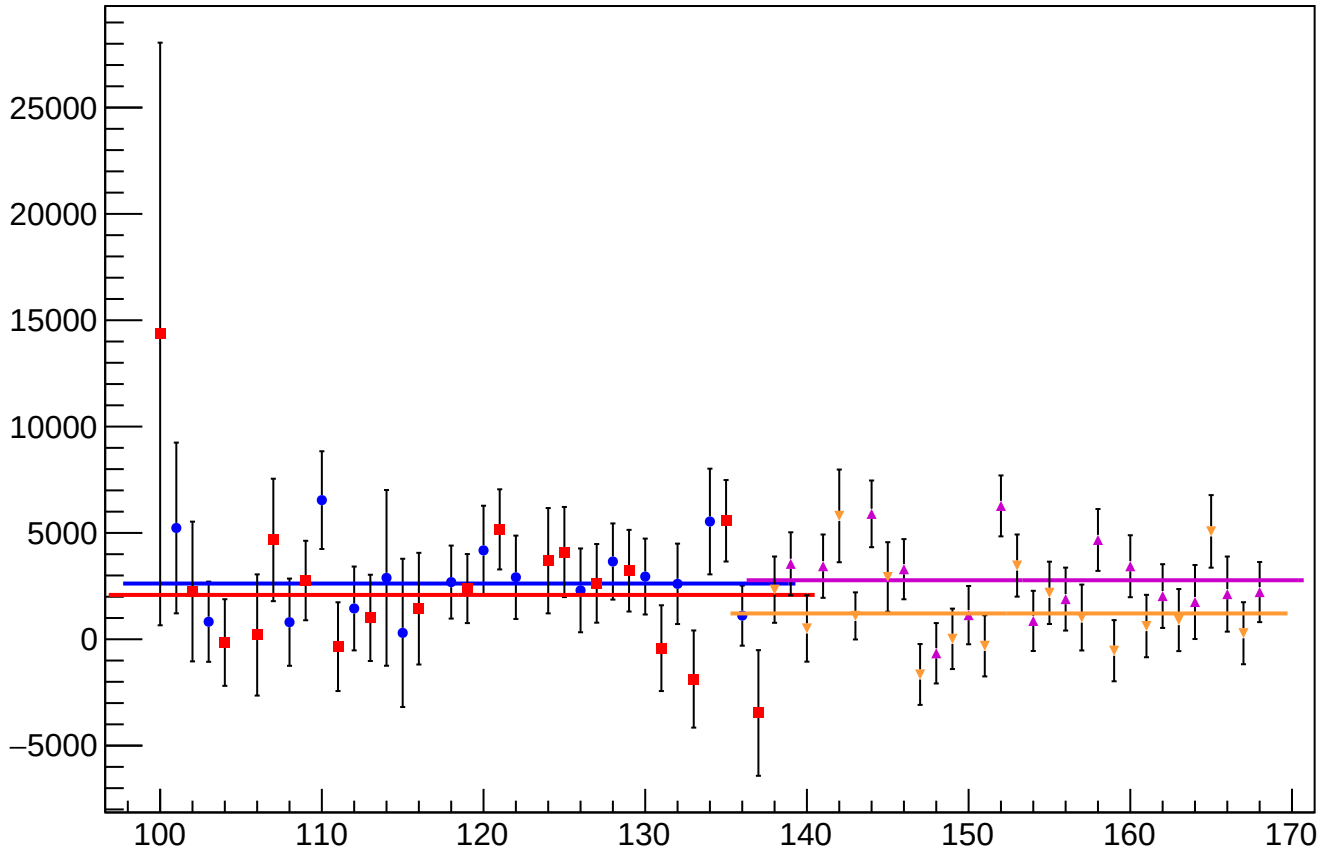
In: 1348.603+/-0.217 χ^2/NDF:519781.2/30

Out: 1322.206+/-0.211 χ^2/NDF:488669.0/34

All: 1335.070+/-0.151 χ^2/NDF: 1016057.3/65


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -803.469+/-1345.874 χ²/NDF:19.9/15
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1345.922+/-1482.798 χ²/NDF:8.5/14
Left: 167.427+/-996.576 χ²/NDF: 29.5/30
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 105.797+/-1019.672 χ²/NDF:24.4/30
Out: -153.984+/-896.716 χ²/NDF:36.5/34
All: -40.693+/-673.372 χ²/NDF: 61.0/65


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4610.355+/-0.952 χ²/NDF:1475265.0/15
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5105.691+/-1.048 χ²/NDF:936855.0/14
Left: 4834.102+/-0.705 χ²/NDF: 2534491.0/30
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4325.469+/-0.721 χ²/NDF:2932265.6/30
Out: 3754.034+/-0.634 χ²/NDF:4769899.2/34
All: 4003.238+/-0.476 χ²/NDF: 8056360.4/65



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1213.988+/-370.818 χ^2/NDF:22.2/15

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2775.289+/-382.774 χ^2/NDF:22.8/14

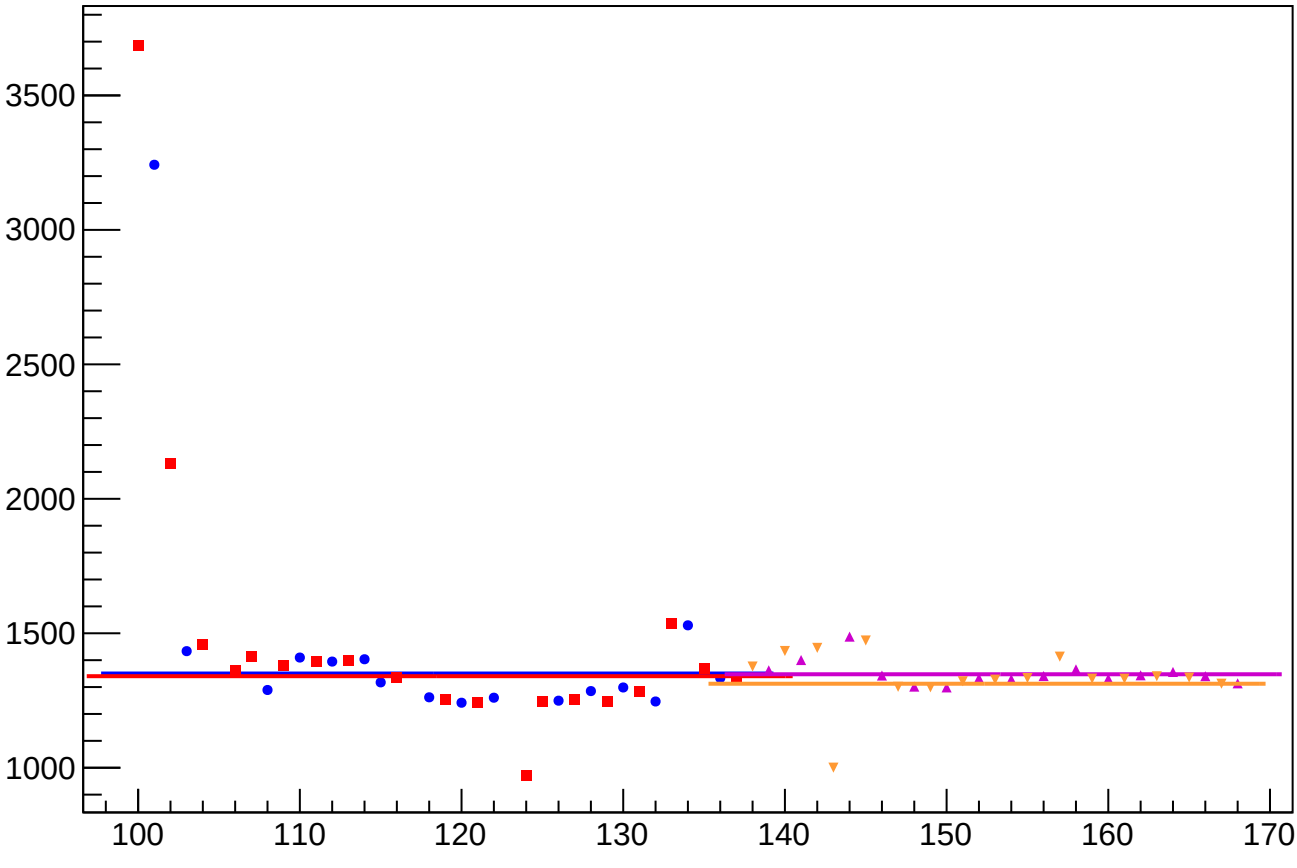
Left: 1969.875+/-266.334 χ^2/NDF: 53.5/30

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2719.738+/-306.466 χ^2/NDF:32.1/30

Out: 1519.422+/-298.866 χ^2/NDF:45.0/34

All: 2104.513+/-213.967 χ^2/NDF: 85.1/65



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1312.365+/-0.262 χ^2/NDF:212468.3/15

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1347.616+/-0.271 χ^2/NDF:25693.1/14

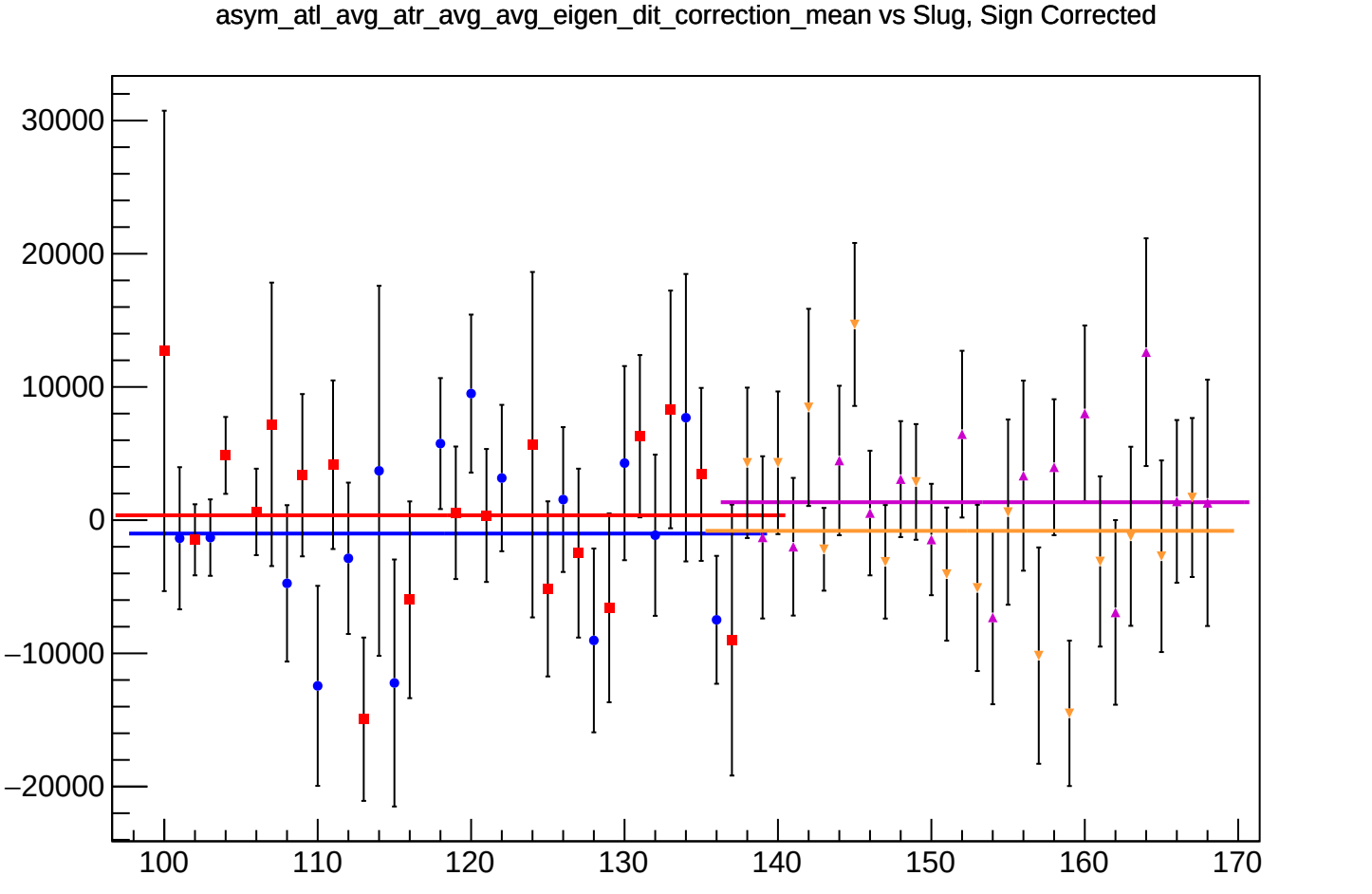
Left: 1329.431+/-0.188 χ^2/NDF: 246912.0/30

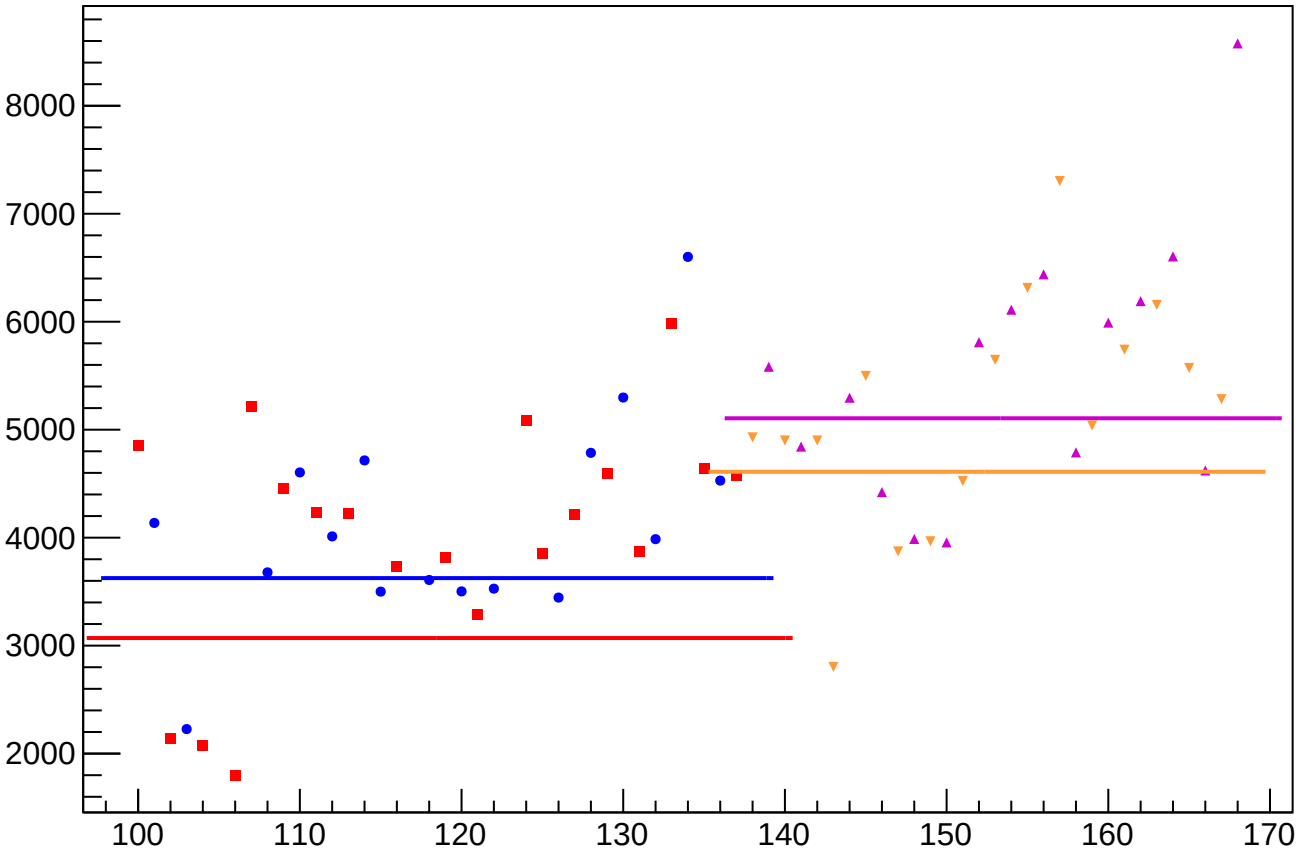
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1348.604+/-0.217 χ^2/NDF:519781.5/30

Out: 1322.207+/-0.211 χ^2/NDF:488668.1/34

All: 1335.071+/-0.151 χ^2/NDF: 1016056.8/65


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -803.475+/-1345.876 χ²/NDF:19.9/15
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1345.921+/-1482.800 χ²/NDF:8.5/14
Left: 167.423+/-996.578 χ²/NDF: 29.5/30
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 105.797+/-1019.672 χ²/NDF:24.4/30
Out: -153.983+/-896.715 χ²/NDF:36.5/34
All: -40.692+/-673.371 χ²/NDF: 61.0/65



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4610.362+/-0.952 χ^2/NDF:1475266.2/15

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5105.698+/-1.048 χ^2/NDF:936856.6/14

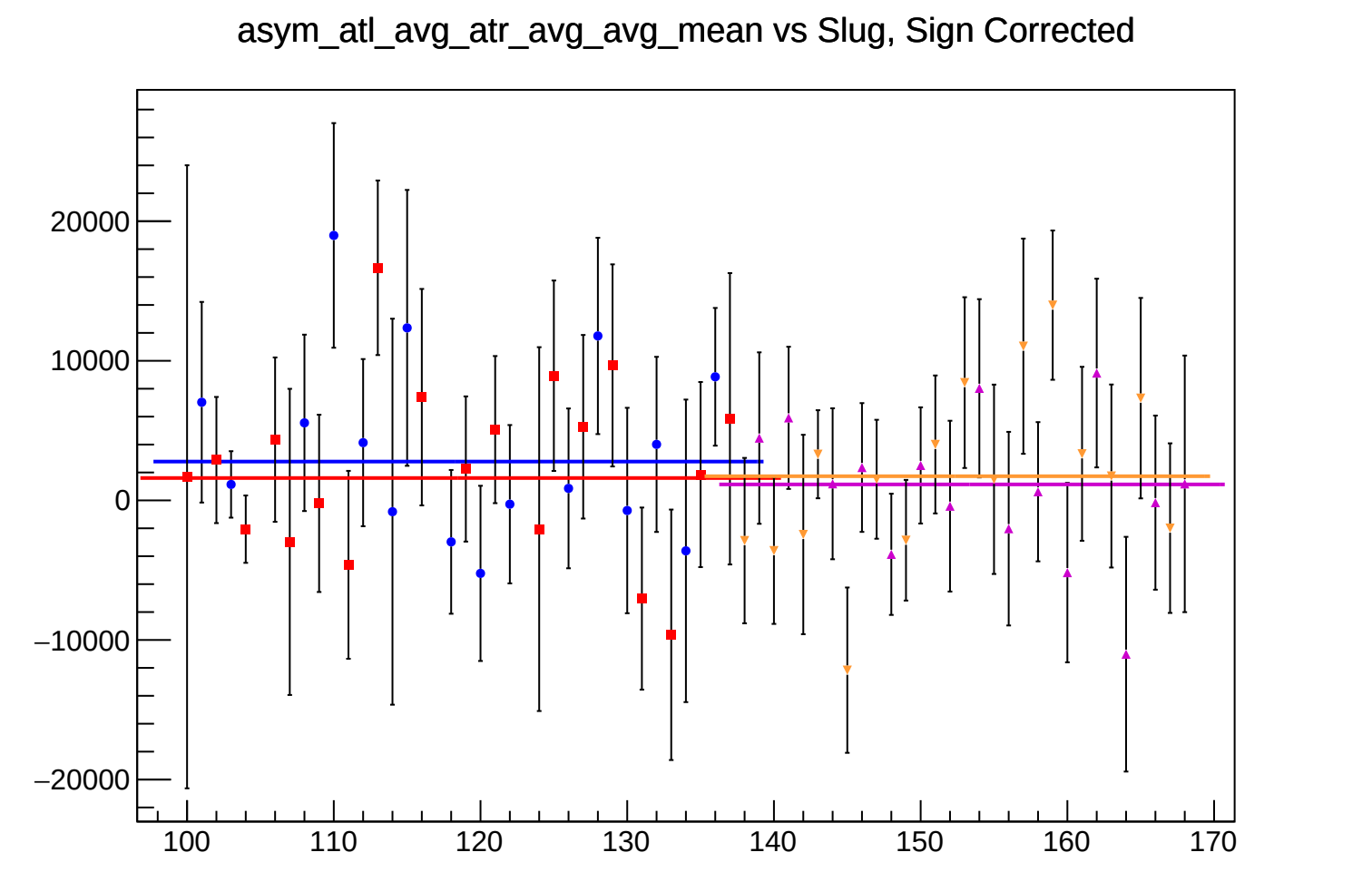
Left: 4834.109+/-0.705 χ^2/NDF: 2534493.4/30

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4325.465+/-0.721 χ^2/NDF:2932293.3/30

Out: 3754.029+/-0.634 χ^2/NDF:4769933.9/34

All: 4003.234+/-0.476 χ^2/NDF: 8056424.1/65



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1731.384+/-1337.795 χ^2/NDF:18.0/15

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1144.376+/-1463.179 χ^2/NDF:8.6/14

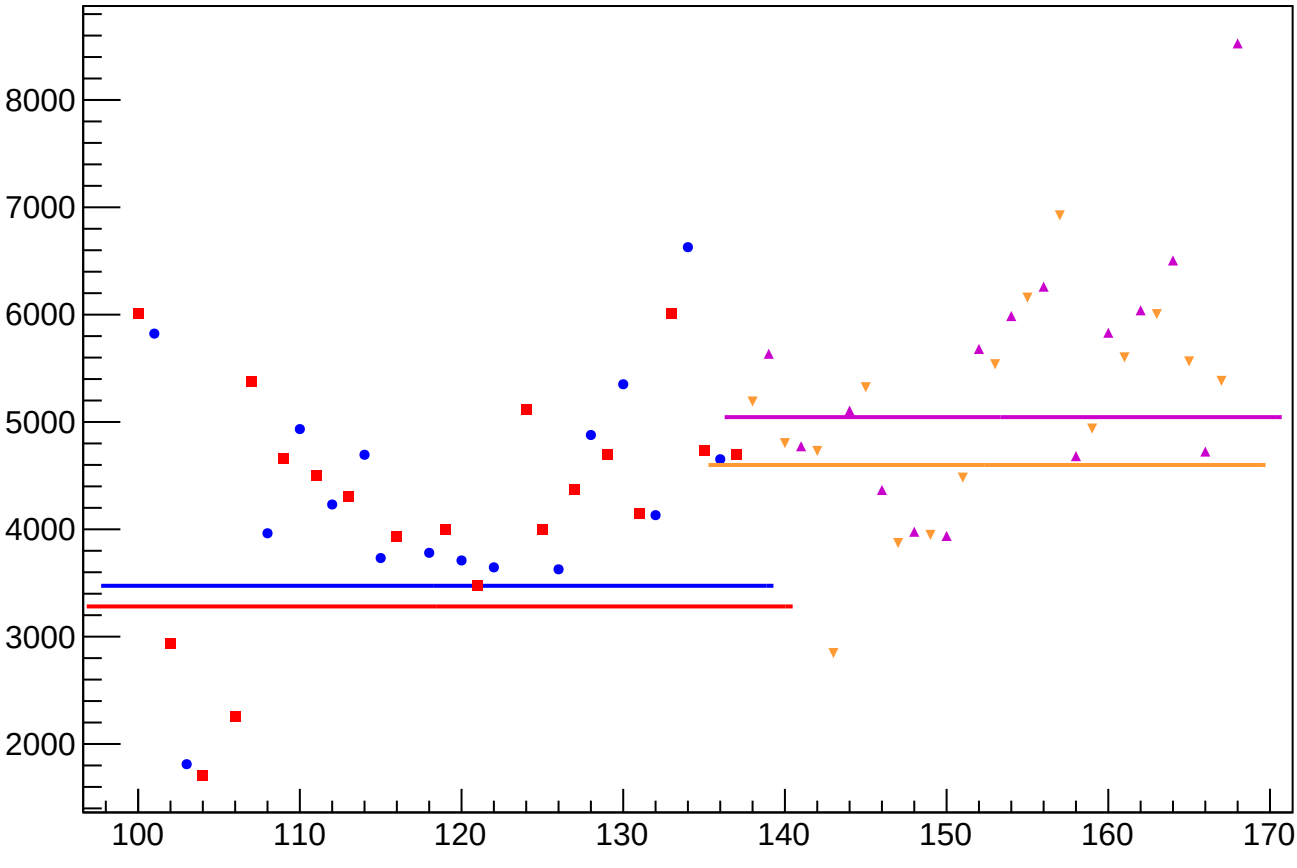
Left: 1464.105+/-987.321 χ^2/NDF: 26.7/30

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2004.902+/-1007.543 χ^2/NDF:22.5/30

Out: 1666.968+/-945.689 χ^2/NDF:34.8/34

All: 1825.244+/-689.533 χ^2/NDF: 57.4/65



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4599.459+/-0.946 χ^2/NDF:1331345.6/15

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5045.165+/-1.035 χ^2/NDF:893201.5/14

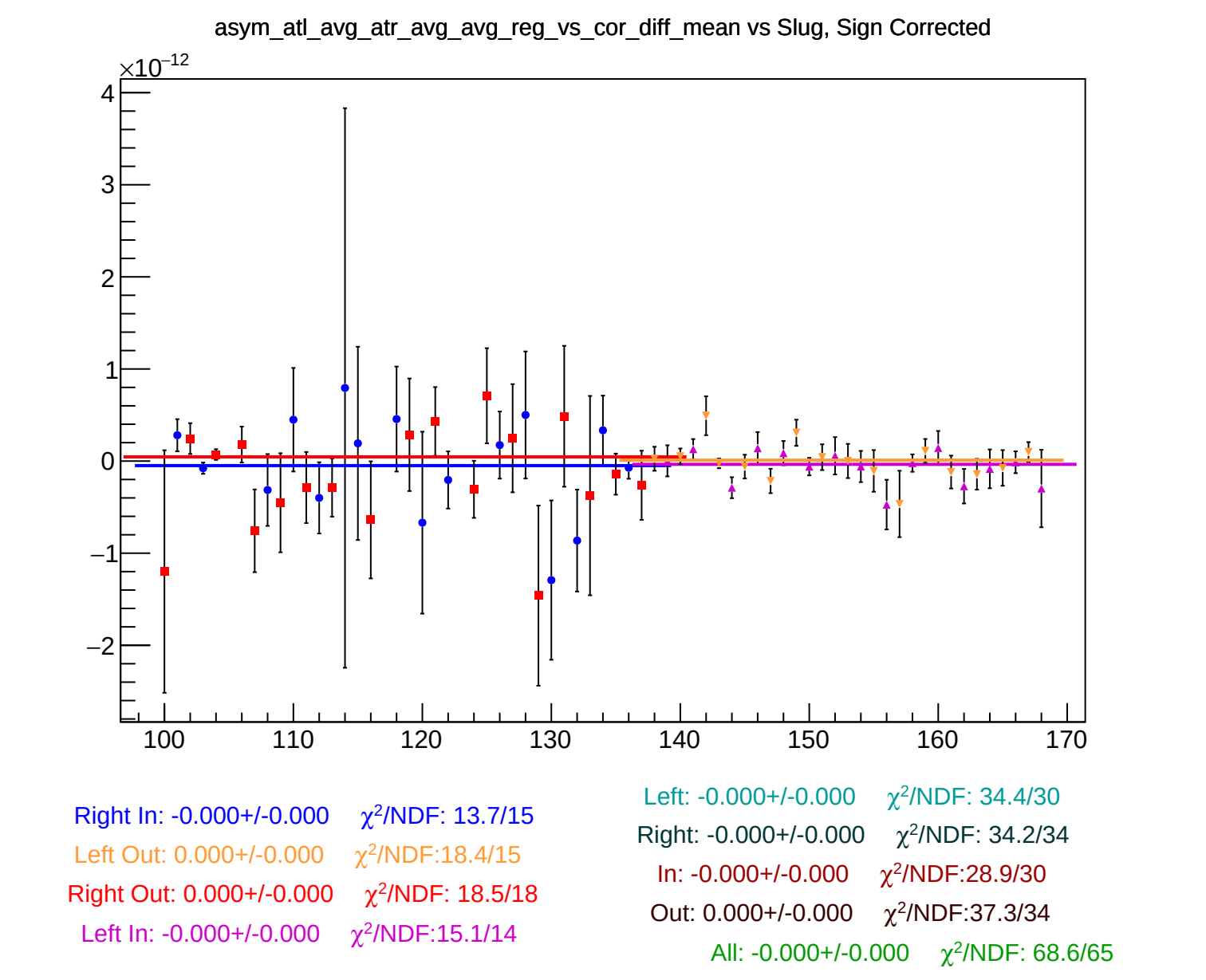
Left: 4802.400+/-0.698 χ^2/NDF: 2325628.1/30

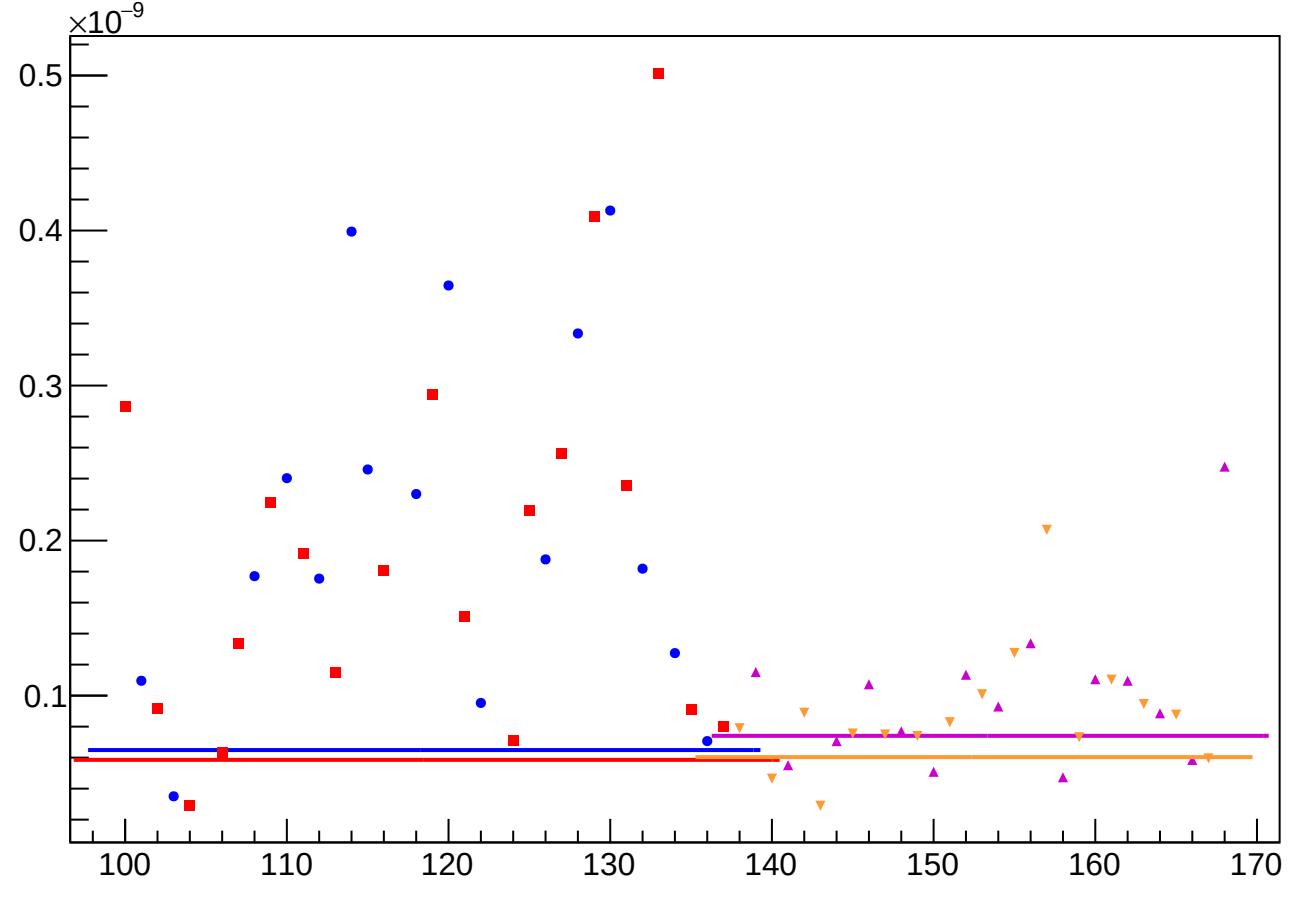
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4218.935+/-0.712 χ^2/NDF:3949956.7/30

Out: 3931.019+/-0.664 χ^2/NDF:4191357.1/34

All: 4064.876+/-0.486 χ^2/NDF: 8228704.0/65


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:15.1/14
Left: -0.000+/-0.000 χ²/NDF: 34.4/30
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.9/30
Out: 0.000+/-0.000 χ²/NDF:37.3/34
All: -0.000+/-0.000 χ²/NDF: 68.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860142.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1266431.7/14

Left: 0.000+/-0.000 χ^2/NDF: 3293084.8/30

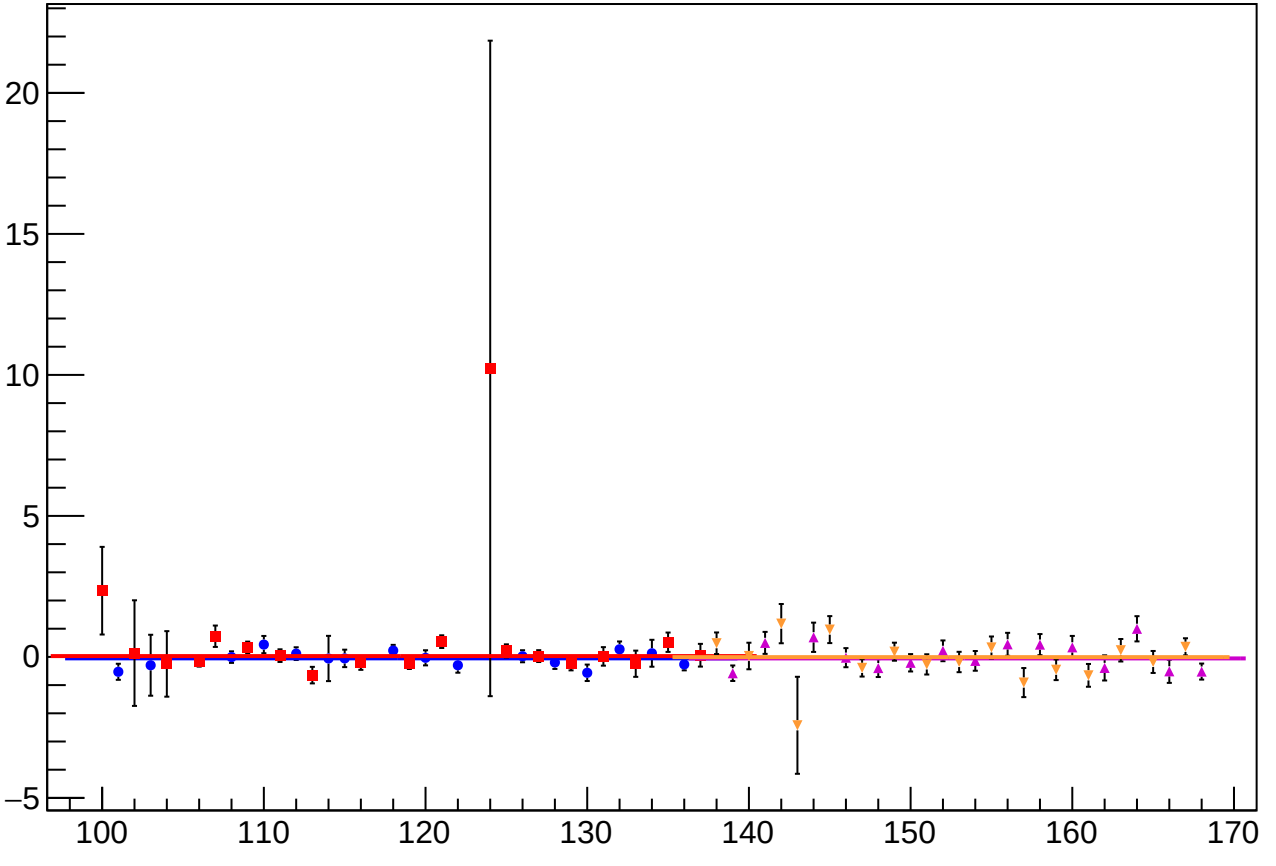
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3904857.9/30

Out: 0.000+/-0.000 χ^2/NDF:4717198.9/34

All: 0.000+/-0.000 χ^2/NDF: 8779272.5/65

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: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.054+/-0.093 χ^2/NDF:23.9/14

Left: -0.032+/-0.068 χ^2/NDF: 47.3/30

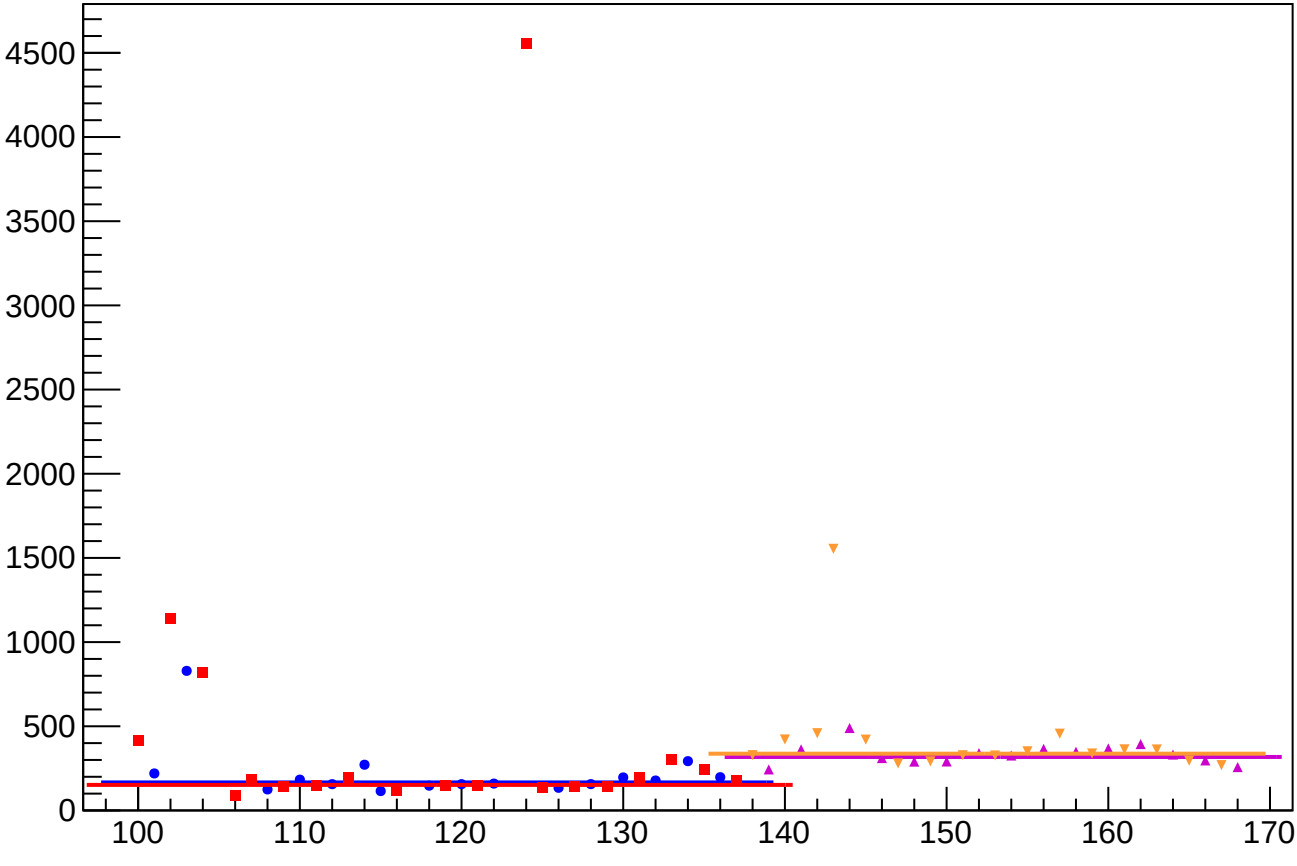
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.052+/-0.054 χ^2/NDF:38.8/30

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.017+/-0.038 χ^2/NDF: 90.5/65

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: 337.155+/-0.070 χ^2/NDF:1549945.8/15

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 317.757+/-0.066 χ^2/NDF:658466.0/14

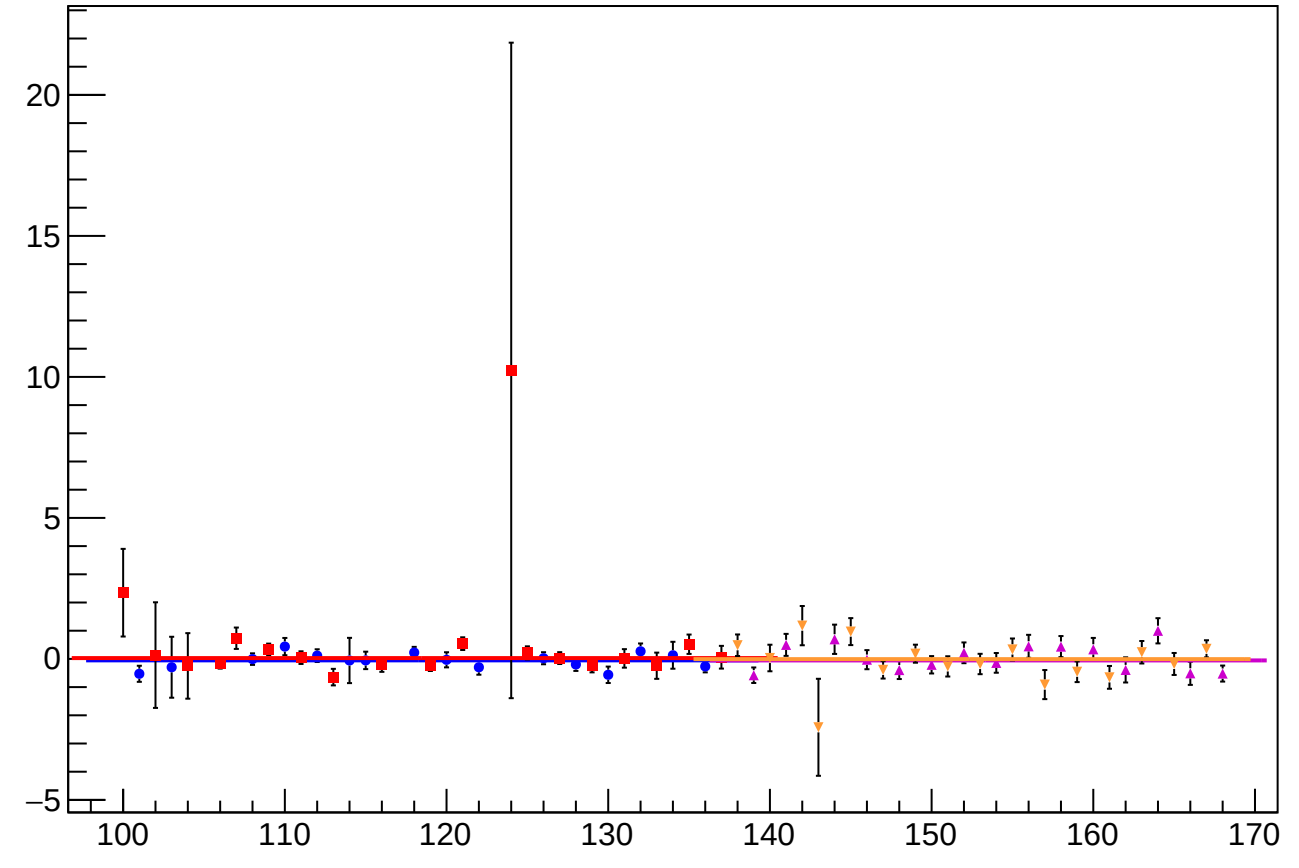
Left: 326.816+/-0.048 χ^2/NDF: 2249114.2/30

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 217.867+/-0.038 χ^2/NDF:5443885.0/30

Out: 206.240+/-0.038 χ^2/NDF:8790287.8/34

All: 212.011+/-0.027 χ^2/NDF: 14280530.7/65



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.054+/-0.093 χ^2/NDF:23.9/14

Left: -0.032+/-0.068 χ^2/NDF: 47.3/30

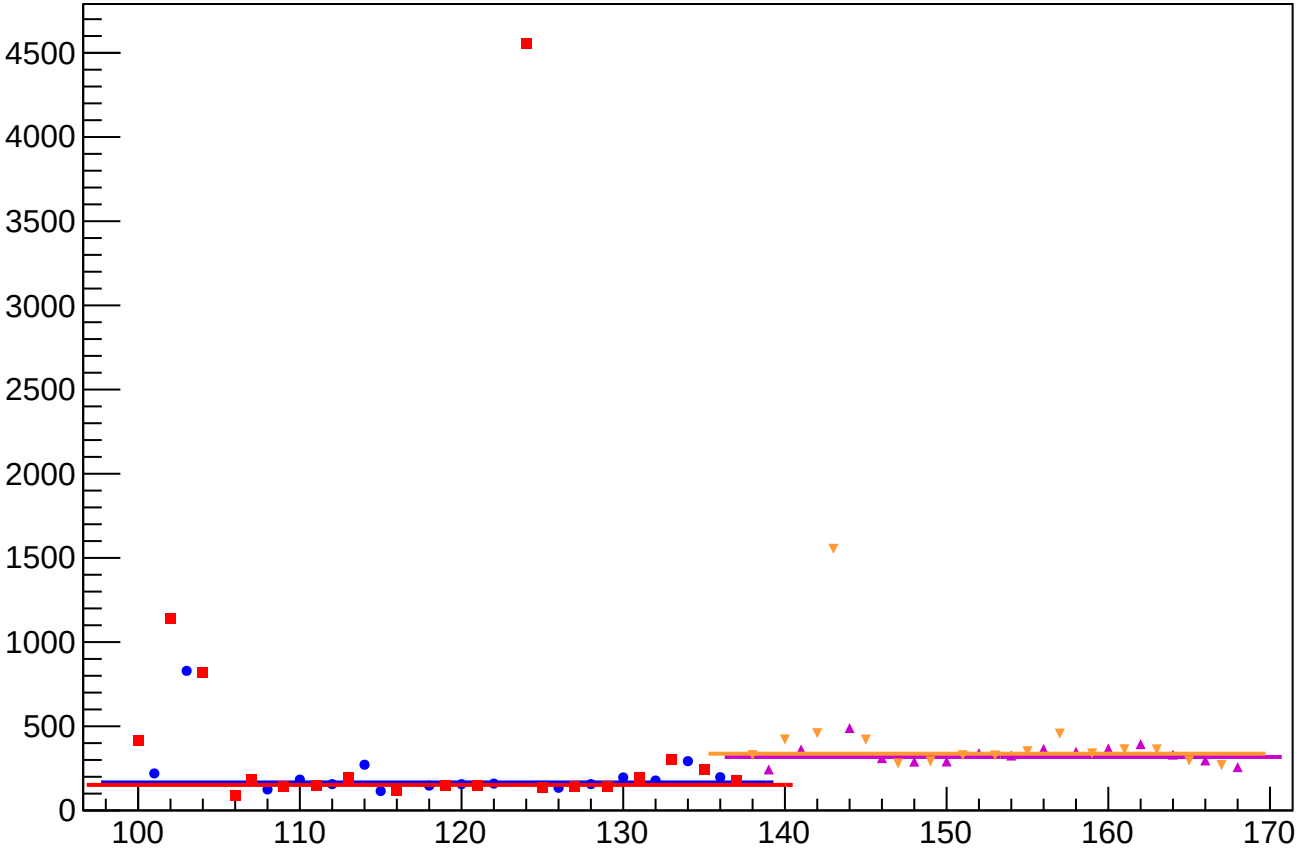
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.052+/-0.054 χ^2/NDF:38.8/30

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.017+/-0.038 χ^2/NDF: 90.5/65

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: 337.155+/-0.070 χ^2/NDF:1549945.8/15

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 317.757+/-0.066 χ^2/NDF:658466.0/14

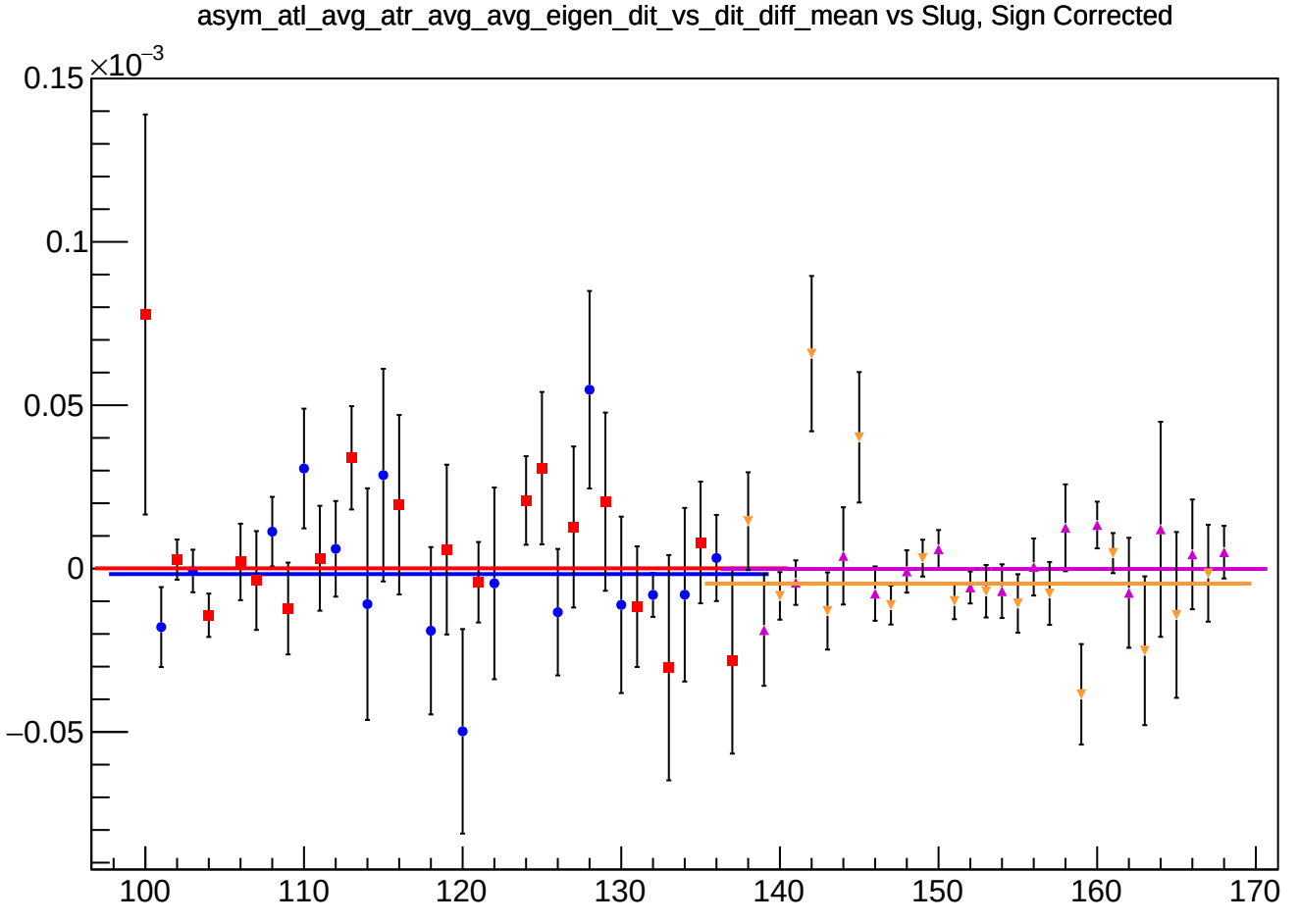
Left: 326.816+/-0.048 χ^2/NDF: 2249114.2/30

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 217.867+/-0.038 χ^2/NDF:5443885.0/30

Out: 206.240+/-0.038 χ^2/NDF:8790287.8/34

All: 212.011+/-0.027 χ^2/NDF: 14280530.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/14

Left: -0.000+/-0.000 χ^2/NDF: 42.0/30

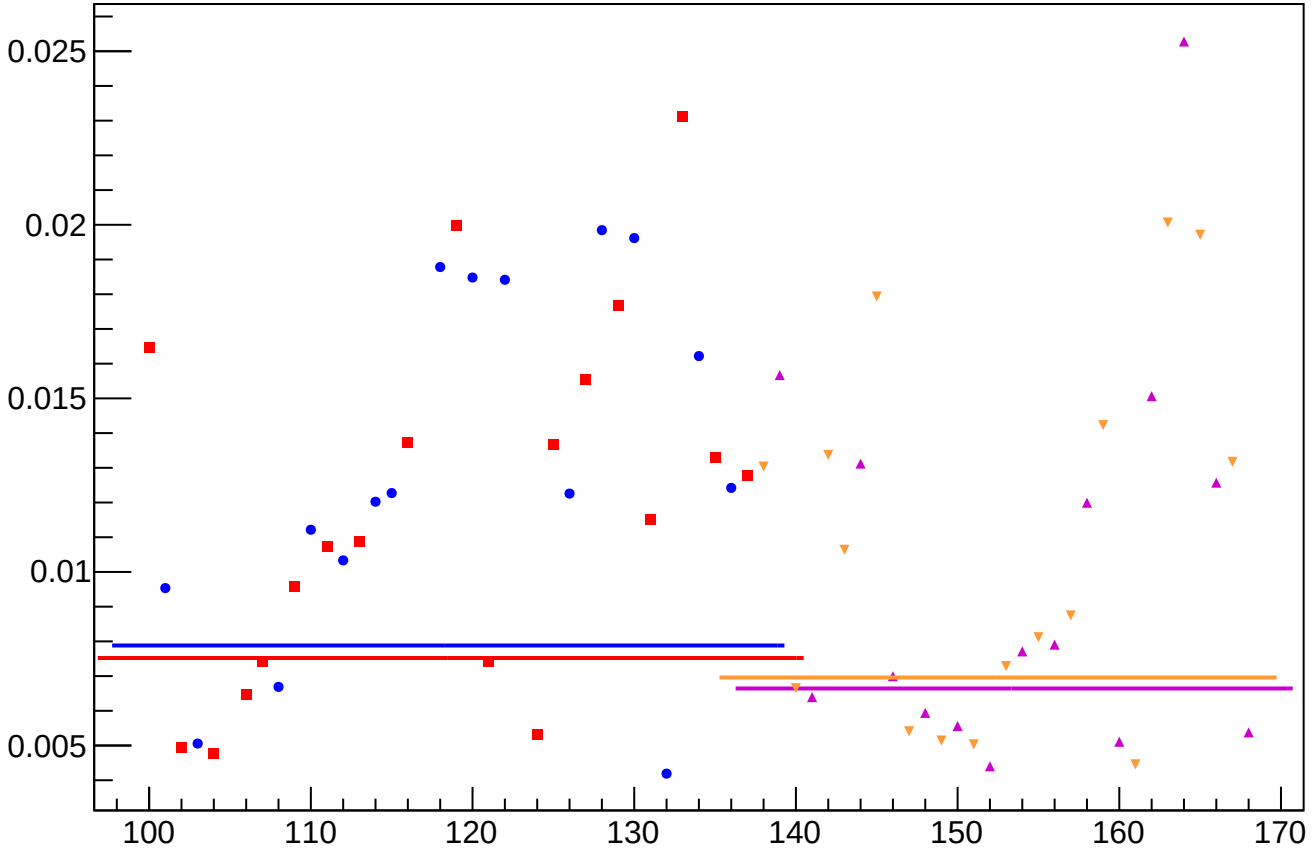
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:26.4/30

Out: -0.000+/-0.000 χ^2/NDF:50.5/34

All: -0.000+/-0.000 χ^2/NDF: 77.8/65

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:4265153.6/15

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3386709.5/14

Left: 0.007+/-0.000 χ^2/NDF: 7672766.3/30

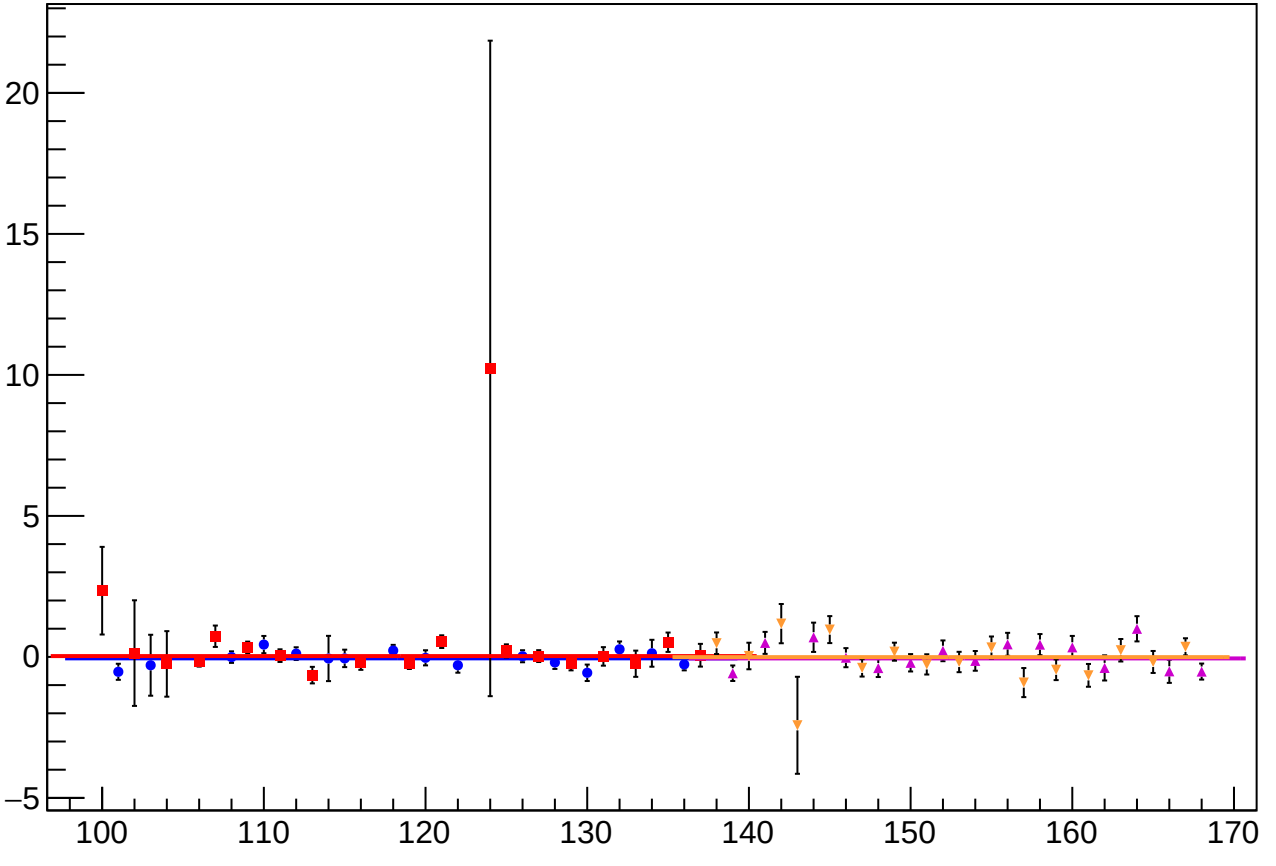
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:6877372.5/30

Out: 0.007+/-0.000 χ^2/NDF:7283382.5/34

All: 0.007+/-0.000 χ^2/NDF: 14167318.6/65

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: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.054+/-0.093 χ^2/NDF:23.9/14

Left: -0.032+/-0.068 χ^2/NDF: 47.3/30

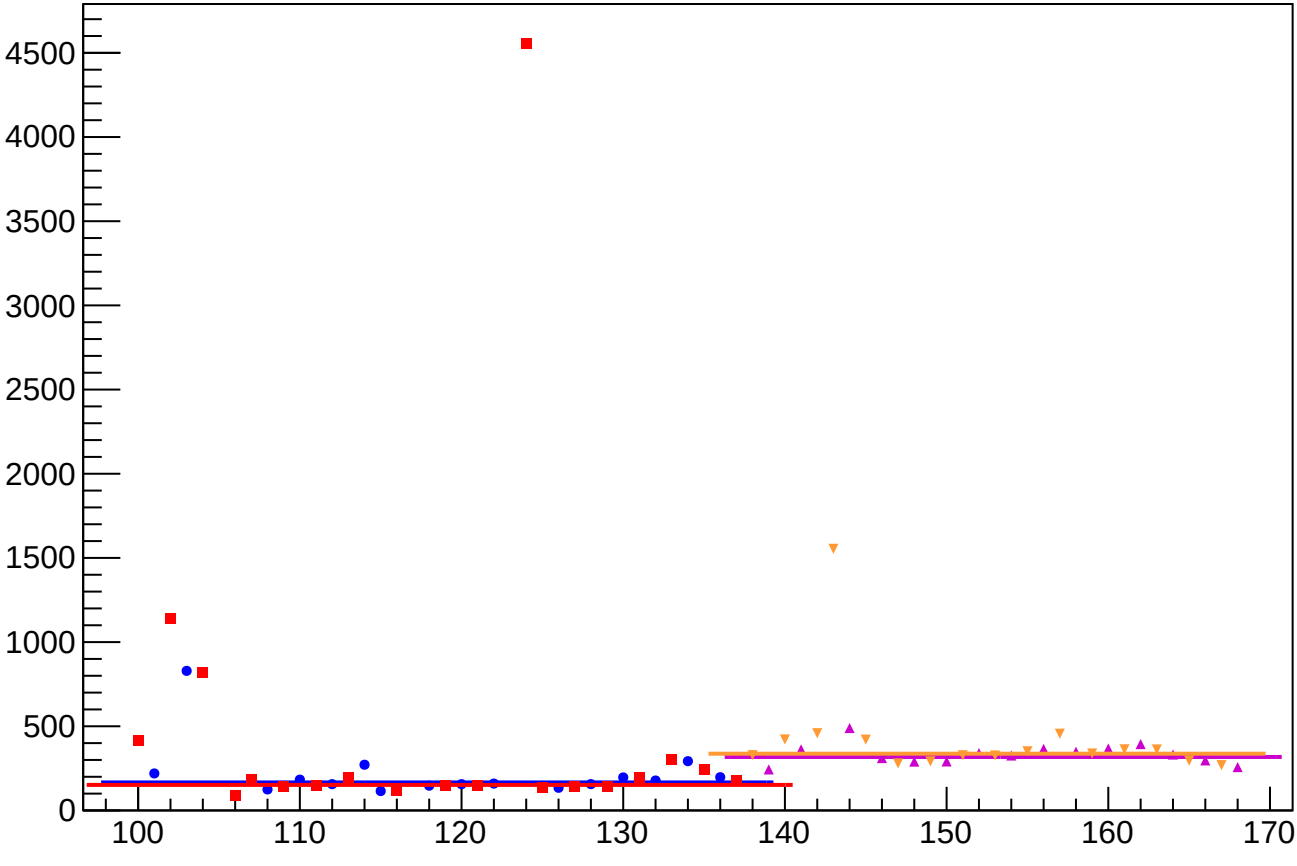
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.052+/-0.054 χ^2/NDF:38.8/30

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.017+/-0.038 χ^2/NDF: 90.5/65

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: 337.160+/-0.070 χ^2/NDF:1549945.7/15

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 317.762+/-0.066 χ^2/NDF:658455.9/14

Left: 326.821+/-0.048 χ^2/NDF: 2249102.9/30

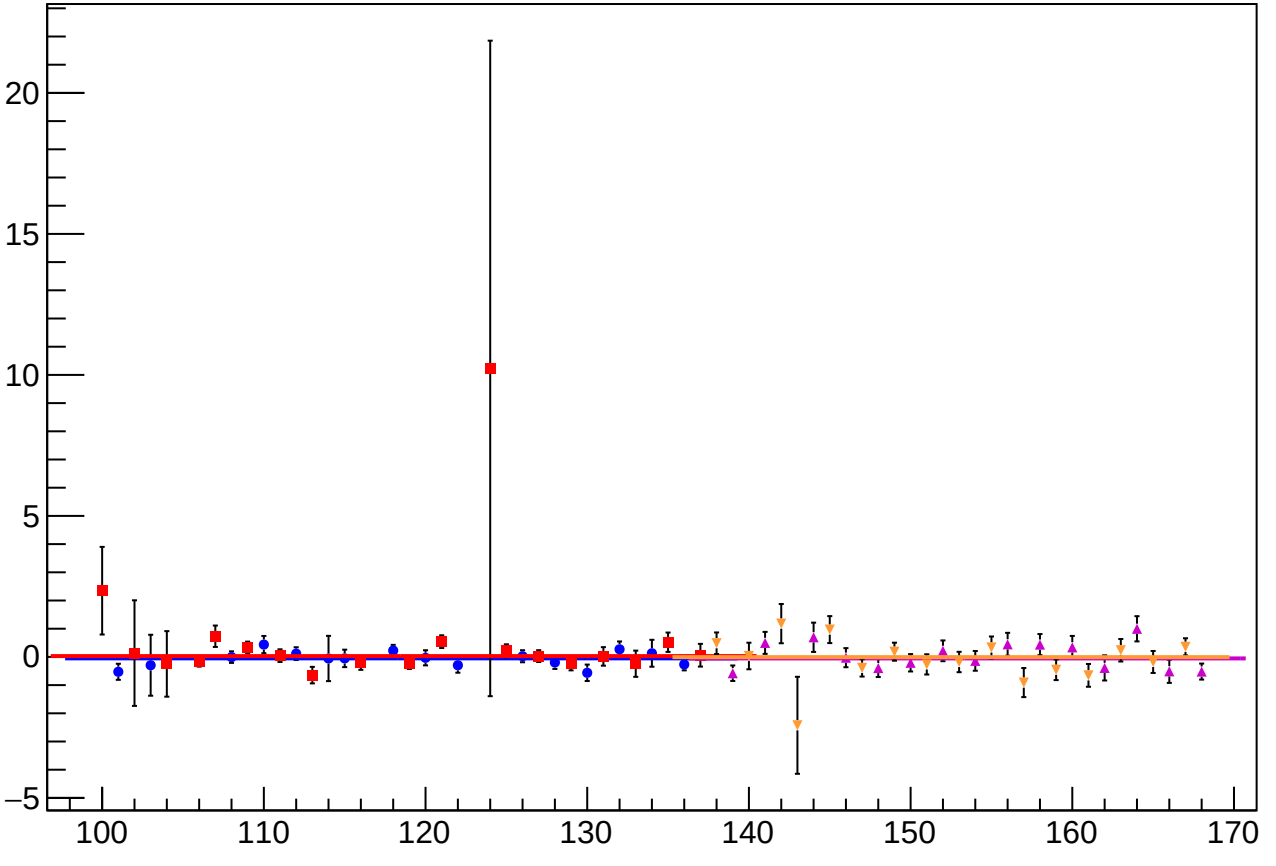
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 217.867+/-0.038 χ^2/NDF:5444075.4/30

Out: 206.239+/-0.038 χ^2/NDF:8790549.1/34

All: 212.010+/-0.027 χ^2/NDF: 14280990.9/65

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: -0.008+/-0.099 χ^2/NDF:23.2/15

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.054+/-0.093 χ^2/NDF:23.9/14

Left: -0.032+/-0.068 χ^2/NDF: 47.3/30

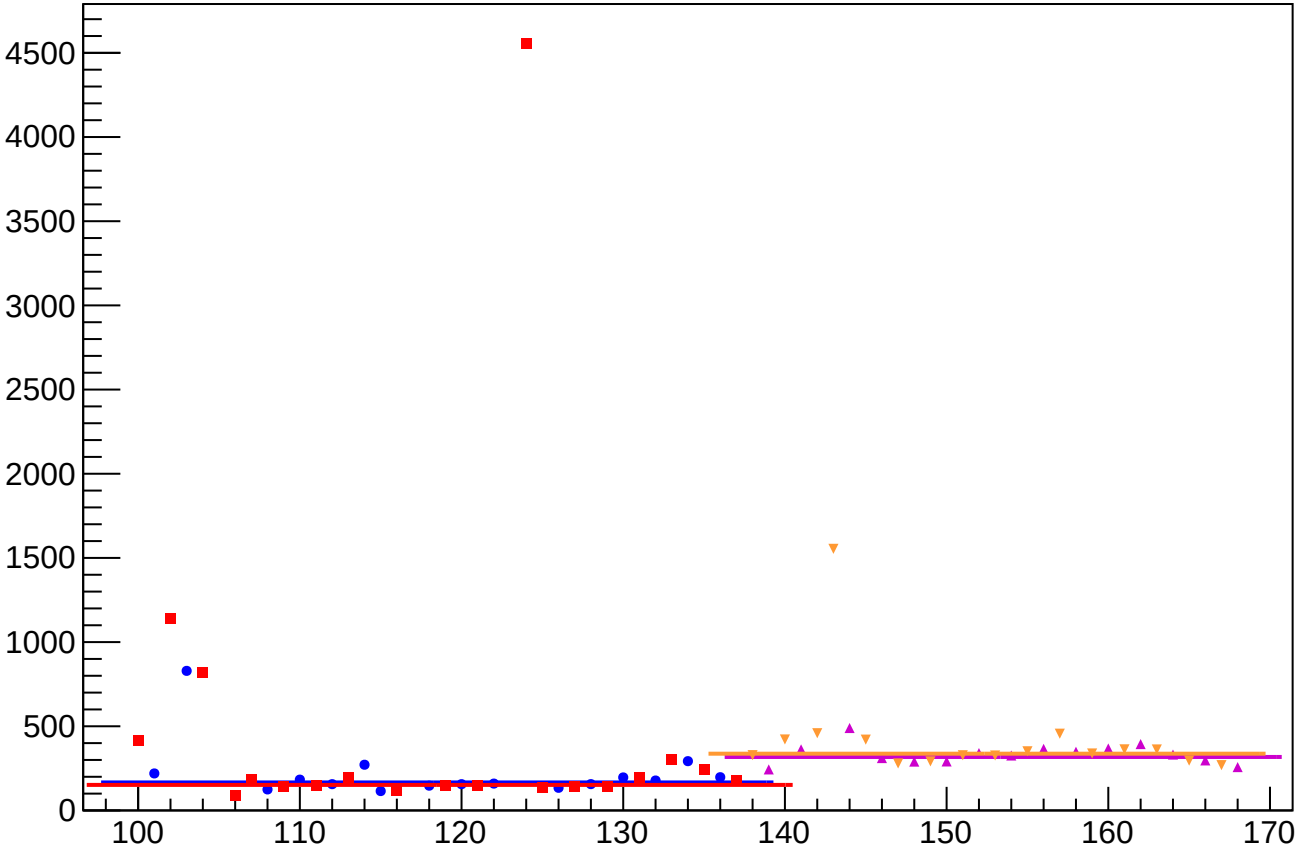
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.052+/-0.054 χ^2/NDF:38.8/30

Out: 0.018+/-0.054 χ^2/NDF:50.9/34

All: -0.017+/-0.038 χ^2/NDF: 90.5/65

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: 337.160+/-0.070 χ^2/NDF:1549945.7/15

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 317.762+/-0.066 χ^2/NDF:658455.9/14

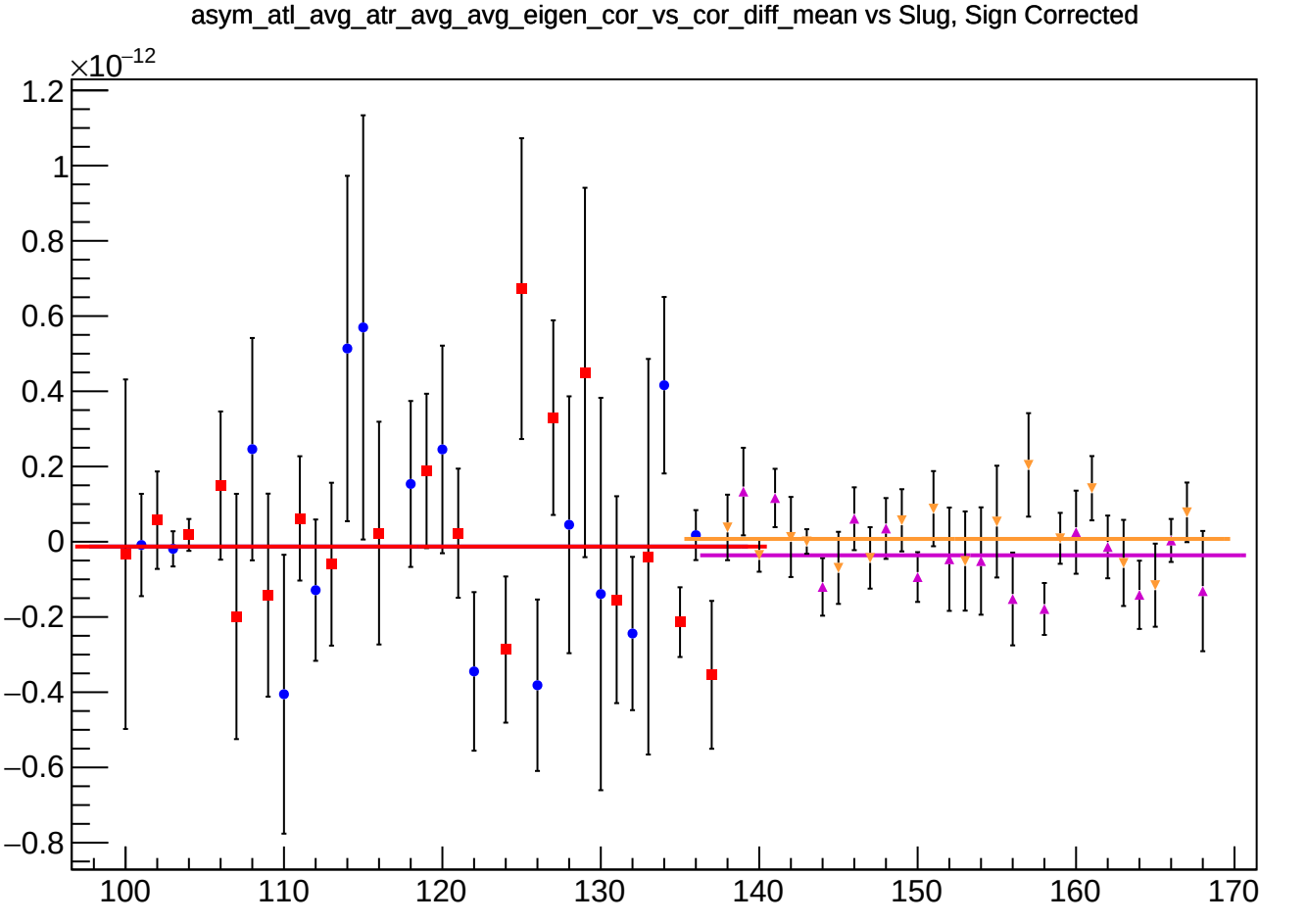
Left: 326.821+/-0.048 χ^2/NDF: 2249102.9/30

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

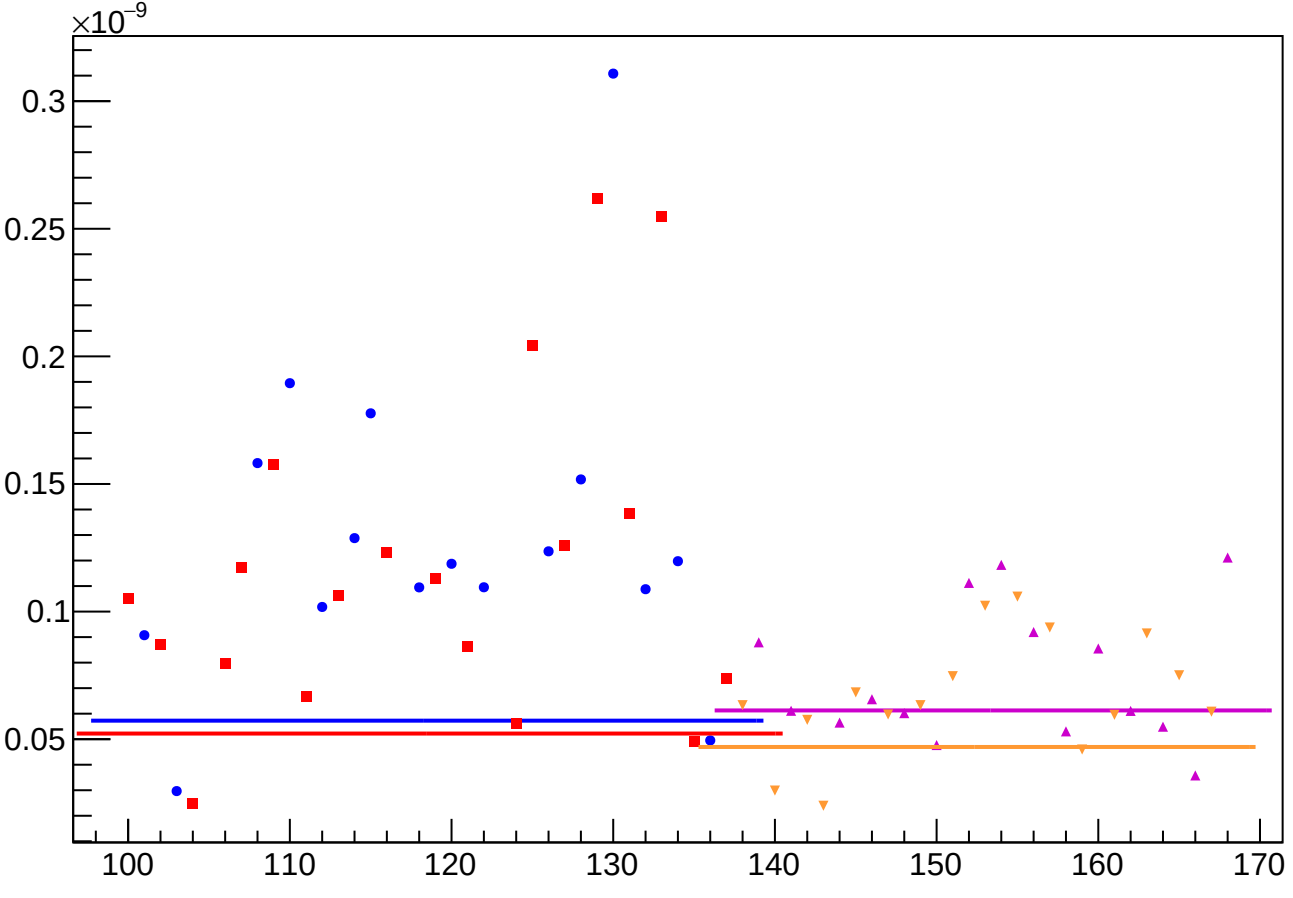
In: 217.867+/-0.038 χ^2/NDF:5444075.4/30

Out: 206.239+/-0.038 χ^2/NDF:8790549.1/34

All: 212.010+/-0.027 χ^2/NDF: 14280990.9/65


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:17.8/14
Left: -0.000+/-0.000 χ²/NDF: 30.4/30
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:34.3/30
Out: 0.000+/-0.000 χ²/NDF:29.5/34
All: -0.000+/-0.000 χ²/NDF: 65.4/65

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3195525.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1723344.2/14

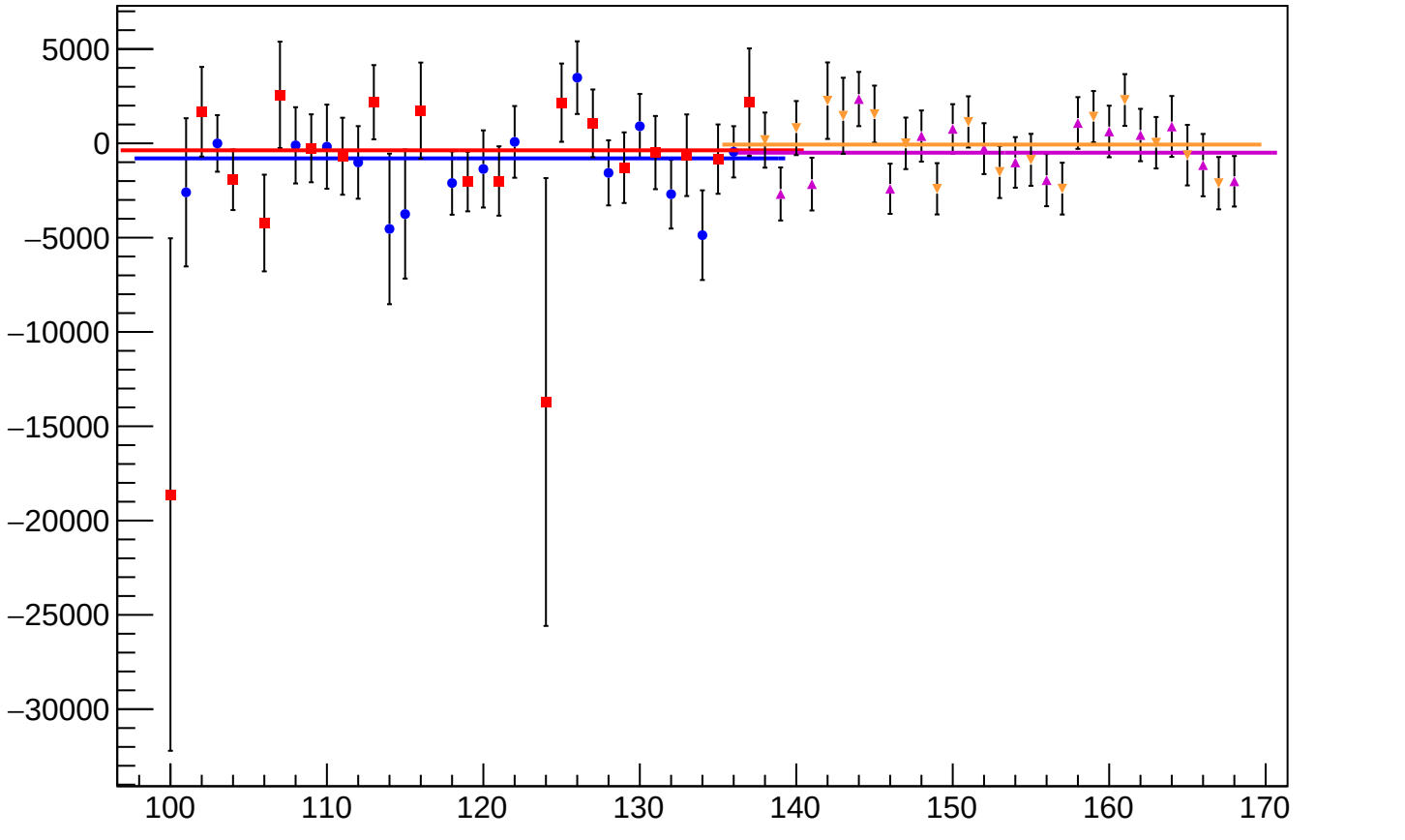
Left: 0.000+/-0.000 χ^2/NDF: 5411402.1/30

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4726761.5/30

Out: 0.000+/-0.000 χ^2/NDF:6525047.4/34

All: 0.000+/-0.000 χ^2/NDF: 11717320.5/65



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -64.536+/-362.785 χ^2/NDF:18.0/15

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -495.809+/-360.086 χ^2/NDF:17.1/14

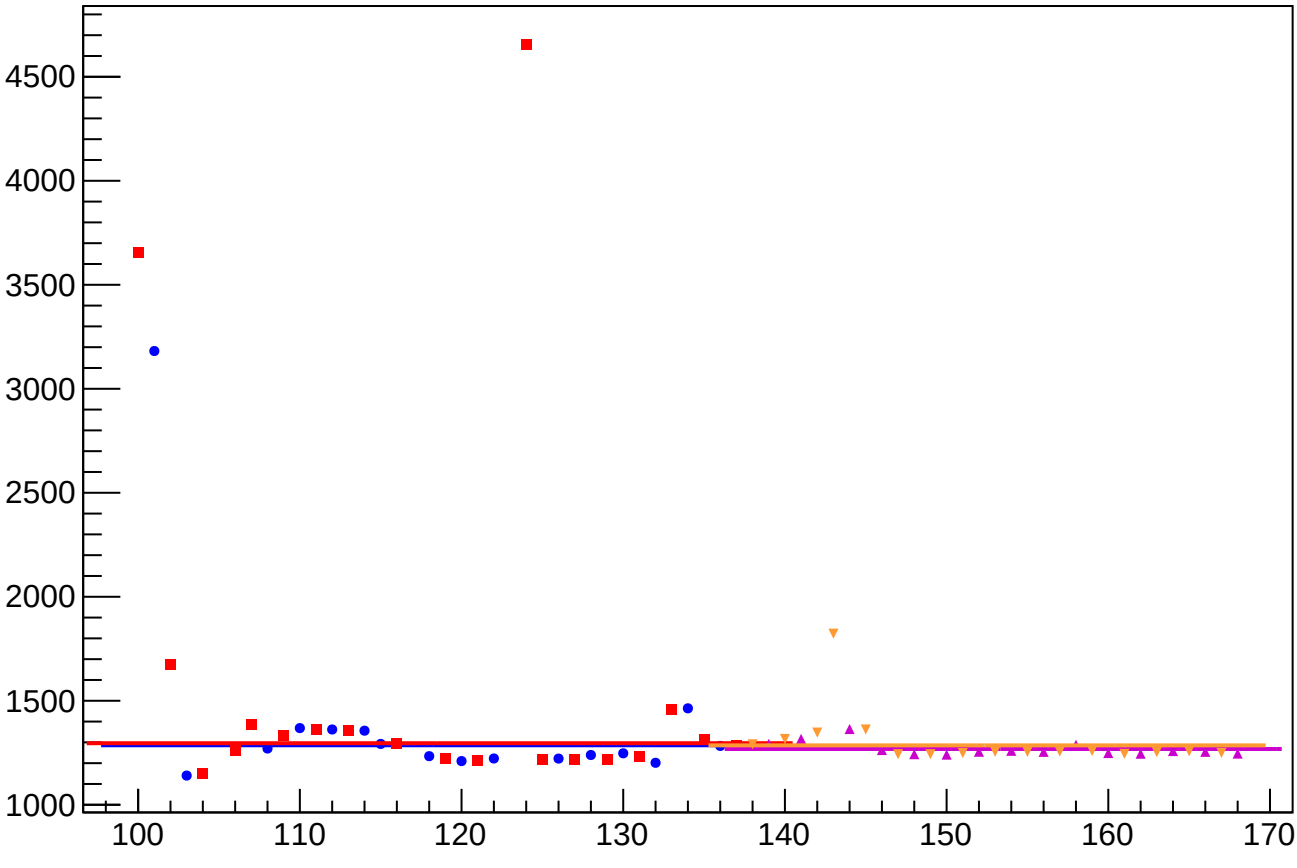
Left: -281.783+/-255.568 χ^2/NDF: 35.8/30

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -602.242+/-289.631 χ^2/NDF:30.7/30

Out: -173.894+/-290.682 χ^2/NDF:33.8/34

All: -388.844+/-205.171 χ^2/NDF: 65.7/65



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

Left: 1276.837+/-0.181 χ^2/NDF: 181904.3/30

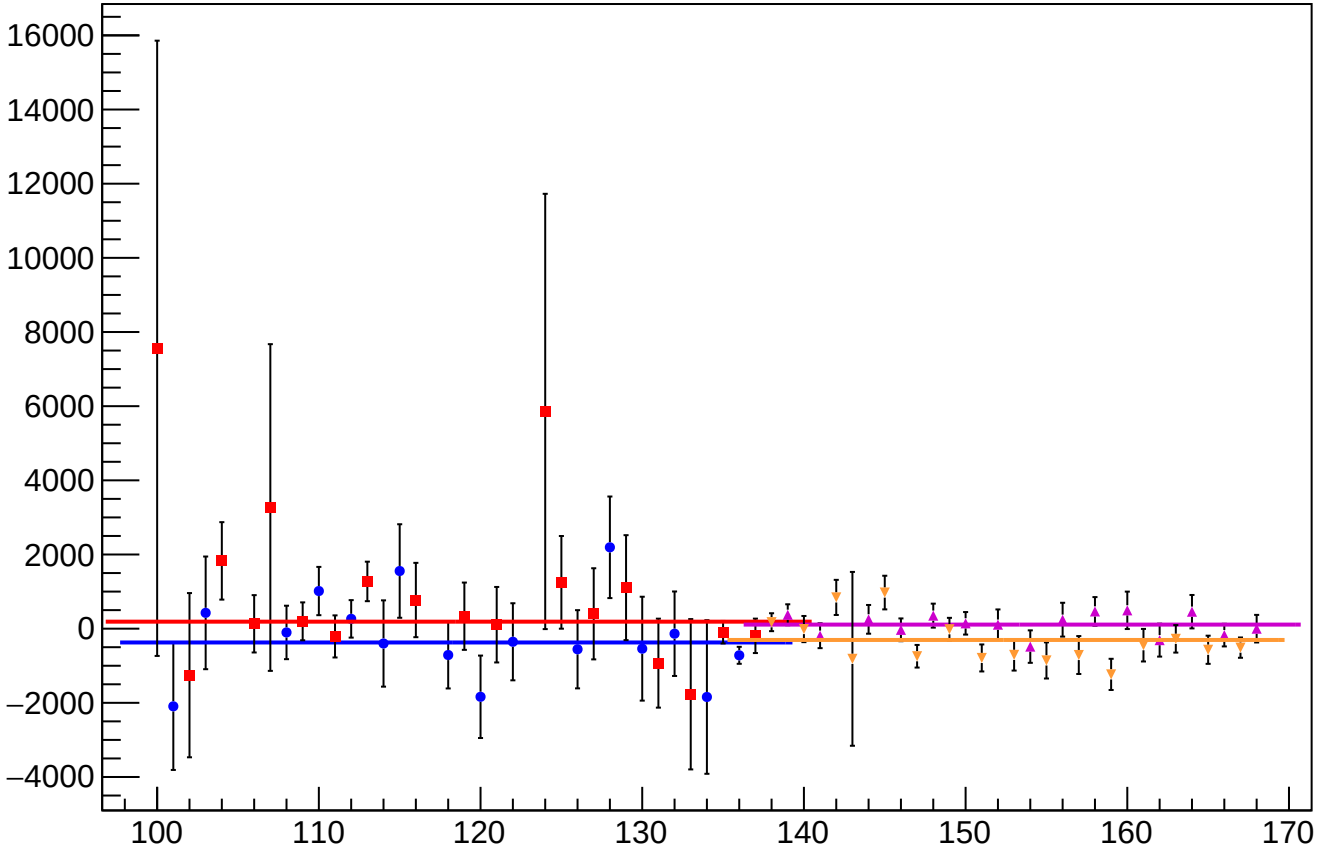
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1274.533+/-0.205 χ^2/NDF:535952.2/30

Out: 1289.290+/-0.206 χ^2/NDF:492166.4/34

All: 1281.885+/-0.145 χ^2/NDF: 1030705.4/65

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: -304.623+/-93.025 χ^2/NDF:32.1/15

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 109.664+/-93.791 χ^2/NDF:8.4/14

Left: -99.176+/-66.048 χ^2/NDF: 50.3/30

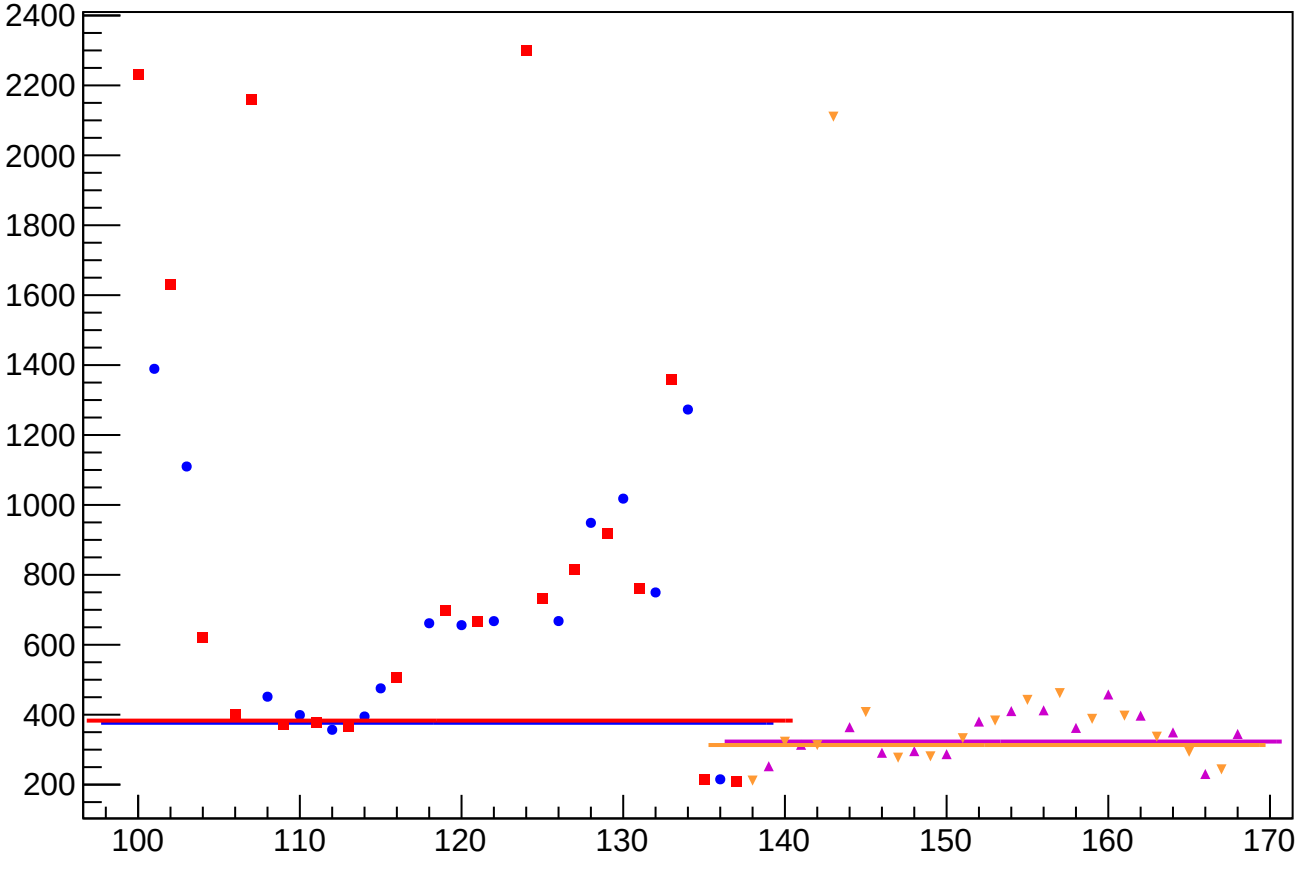
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.652+/-81.916 χ^2/NDF:32.8/30

Out: -190.448+/-81.559 χ^2/NDF:53.2/34

All: -97.956+/-57.797 χ^2/NDF: 88.6/65

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: 313.264+/-0.066 χ^2/NDF:2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 323.177+/-0.066 χ^2/NDF:825595.6/14

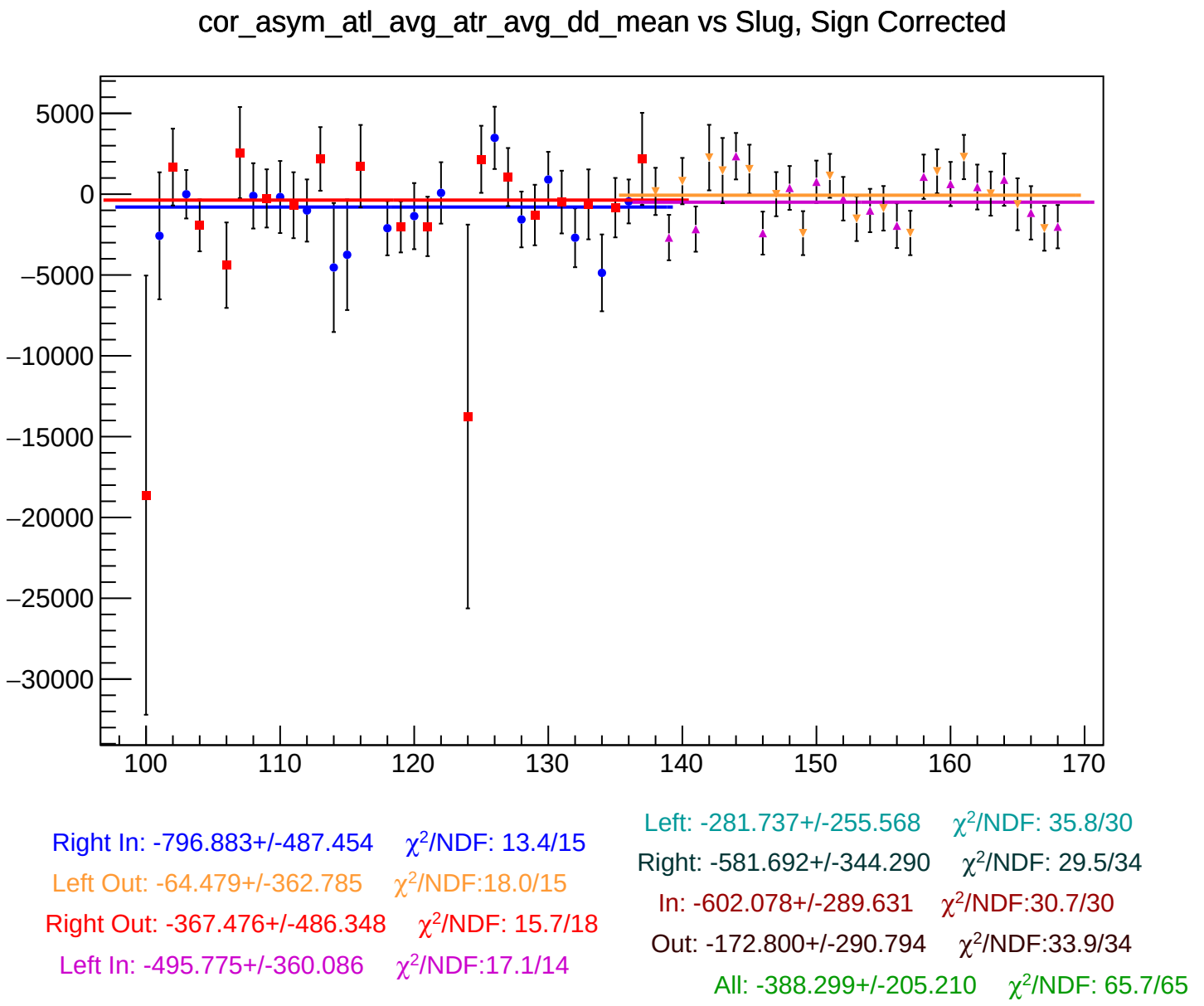
Left: 318.180+/-0.047 χ^2/NDF: 3154190.0/30

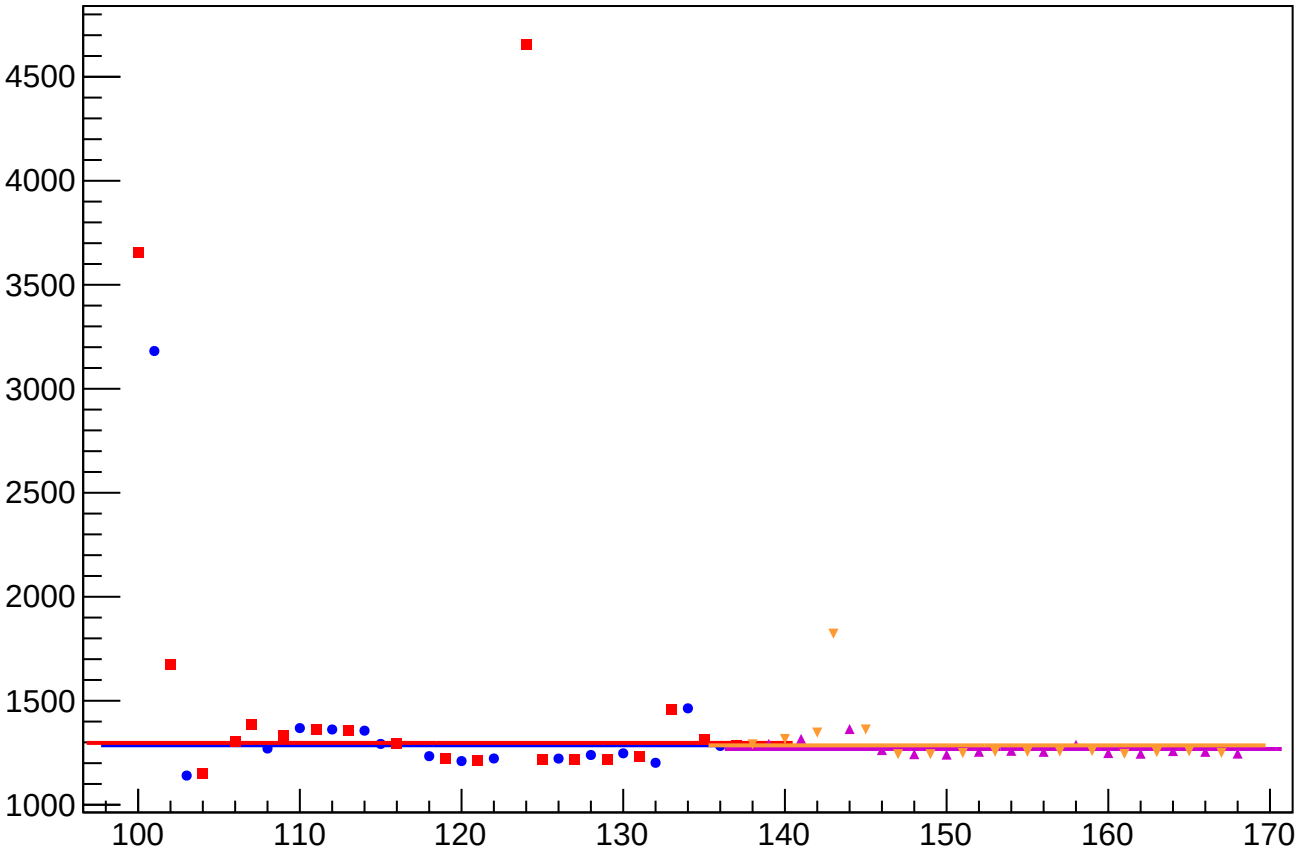
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.917+/-0.058 χ^2/NDF:5171379.6/30

Out: 329.413+/-0.058 χ^2/NDF:6631996.9/34

All: 332.651+/-0.041 χ^2/NDF: 11809709.1/65


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -64.479+/-362.785 χ²/NDF:18.0/15
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -495.775+/-360.086 χ²/NDF:17.1/14
Left: -281.737+/-255.568 χ²/NDF: 35.8/30
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -602.078+/-289.631 χ²/NDF:30.7/30
Out: -172.800+/-290.794 χ²/NDF:33.9/34
All: -388.299+/-205.210 χ²/NDF: 65.7/65



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

Left: 1276.837+/-0.181 χ^2/NDF: 181904.3/30

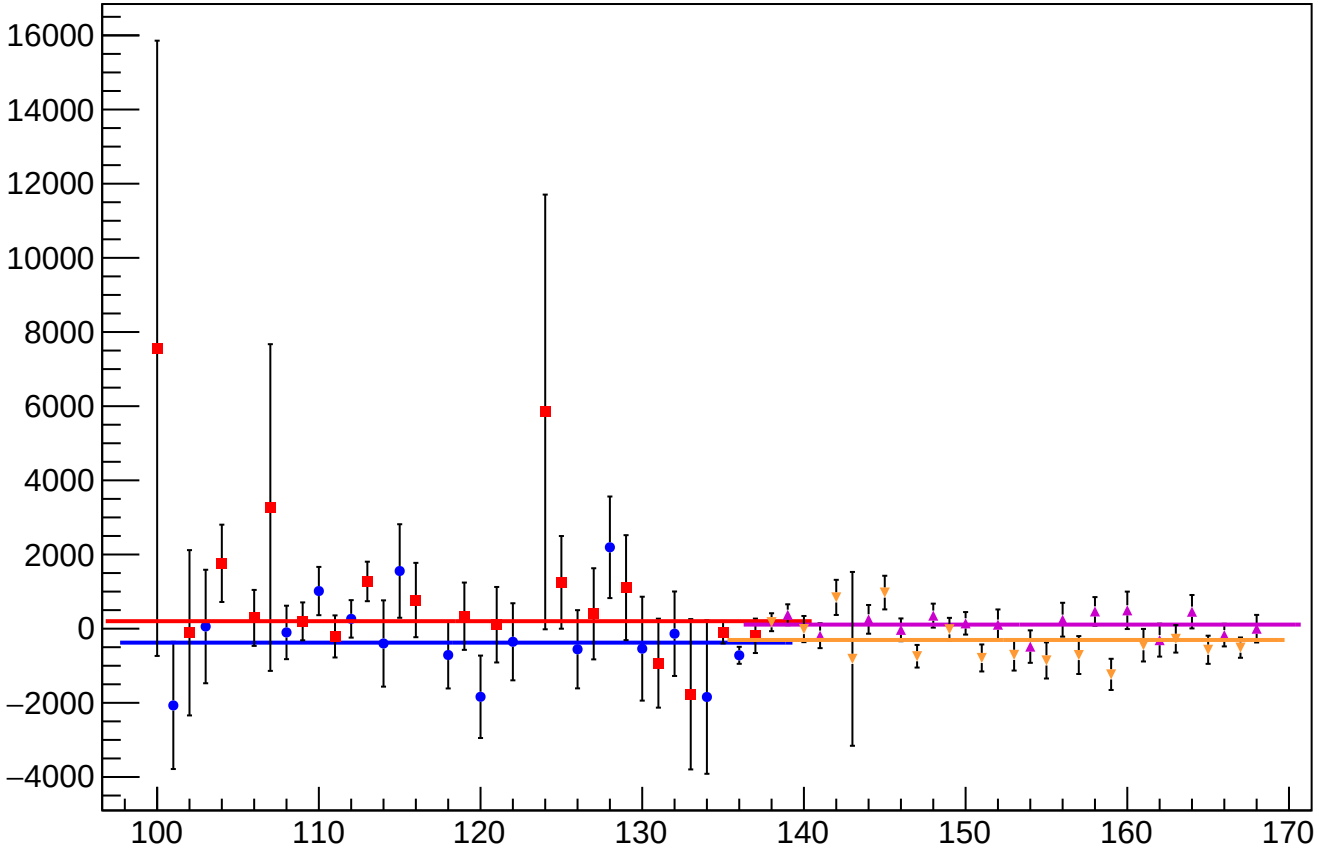
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1274.533+/-0.205 χ^2/NDF:535953.6/30

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

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: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 109.672+/-93.791 χ^2/NDF:8.4/14

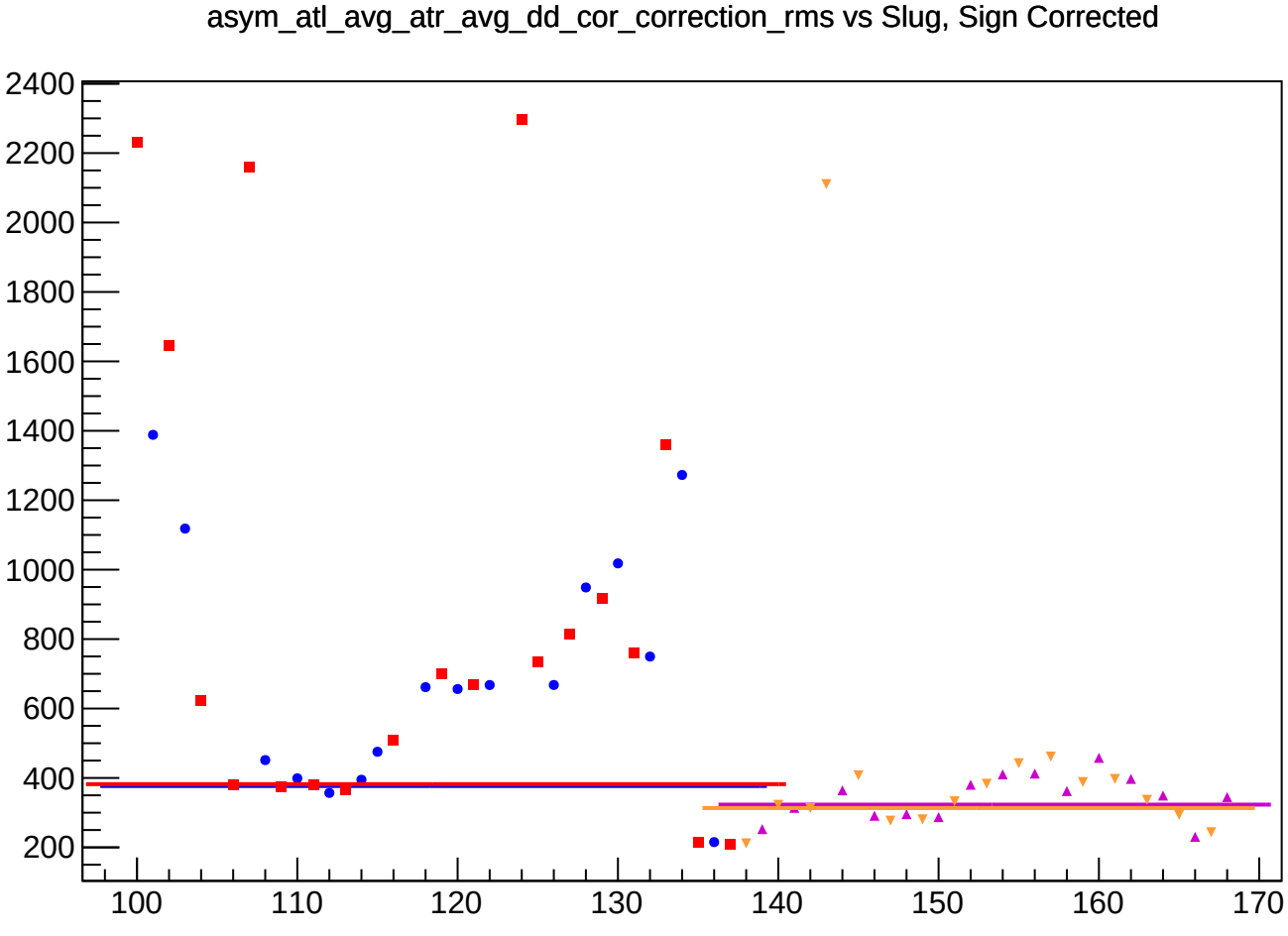
Left: -99.172+/-66.049 χ^2/NDF: 50.3/30

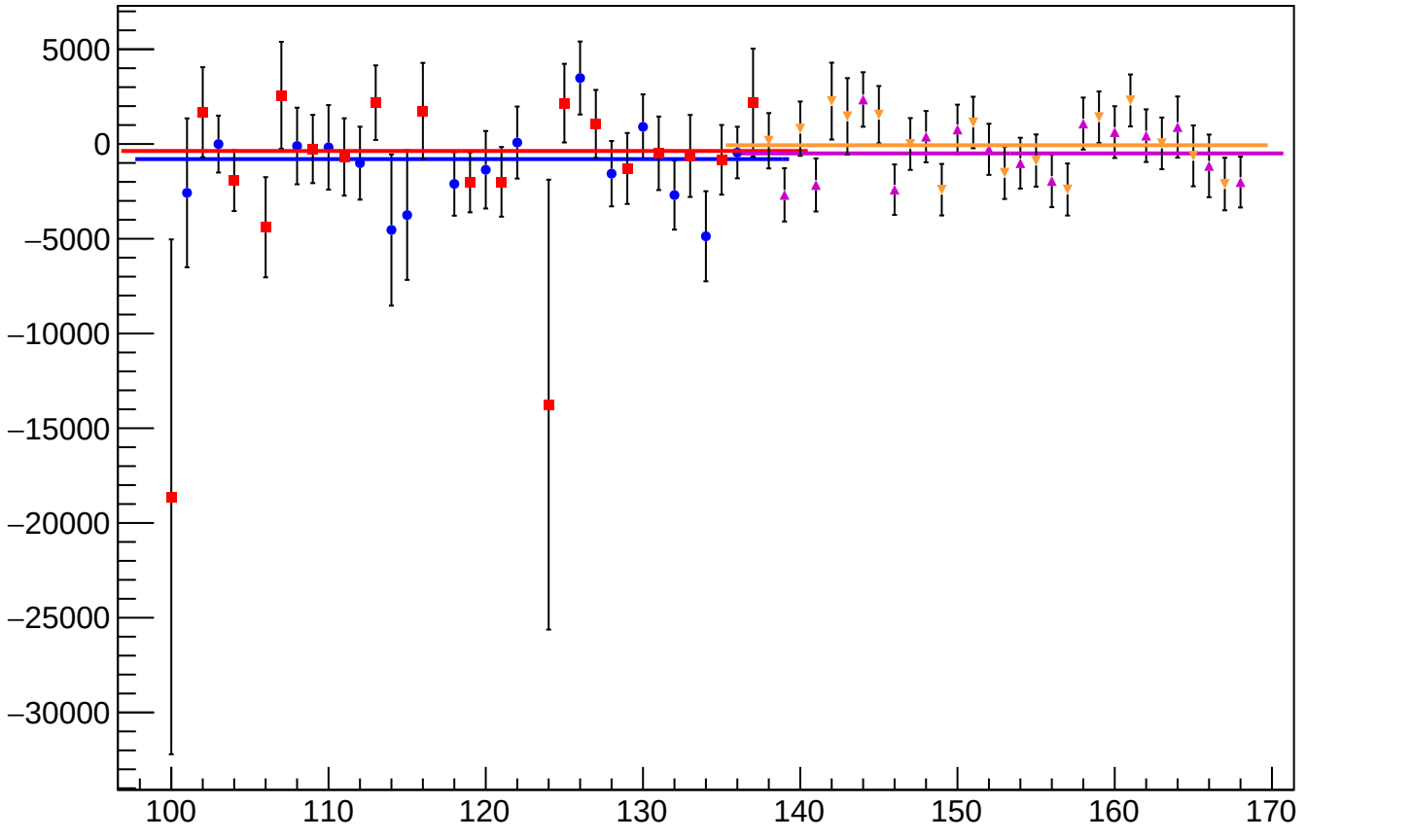
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.681+/-81.919 χ^2/NDF:32.7/30

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -96.856+/-57.790 χ^2/NDF: 88.2/65


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 313.272+/-0.066 χ²/NDF:2317186.1/15
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 323.178+/-0.066 χ²/NDF:825714.2/14
Left: 318.184+/-0.047 χ²/NDF: 3154145.0/30
Right: 379.492+/-0.084 χ²/NDF: 8253896.4/34
In: 335.913+/-0.058 χ²/NDF:5174551.3/30
Out: 329.231+/-0.058 χ²/NDF:6630768.9/34
All: 332.557+/-0.041 χ²/NDF: 11812004.4/65



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -495.775+/-360.086 χ^2/NDF:17.1/14

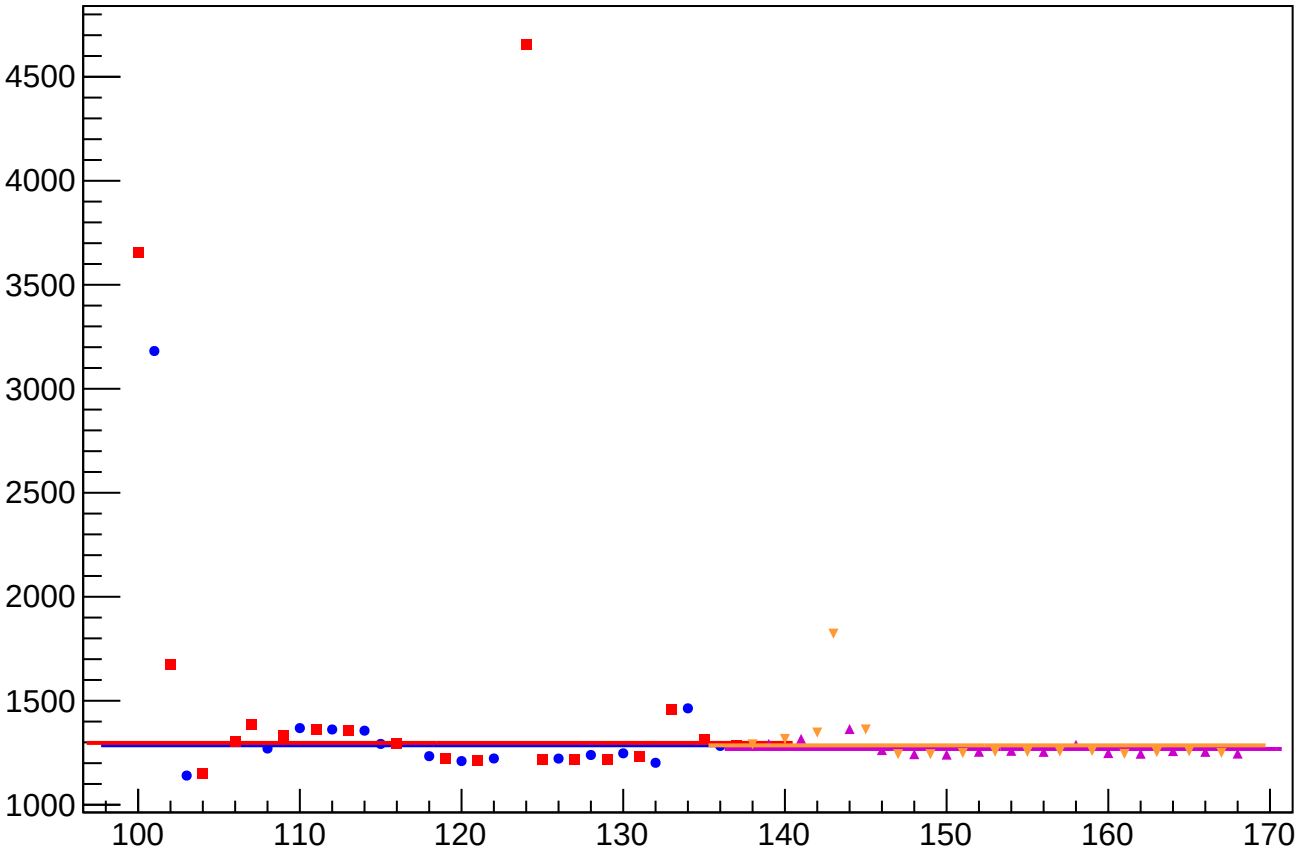
Left: -281.737+/-255.568 χ^2/NDF: 35.8/30

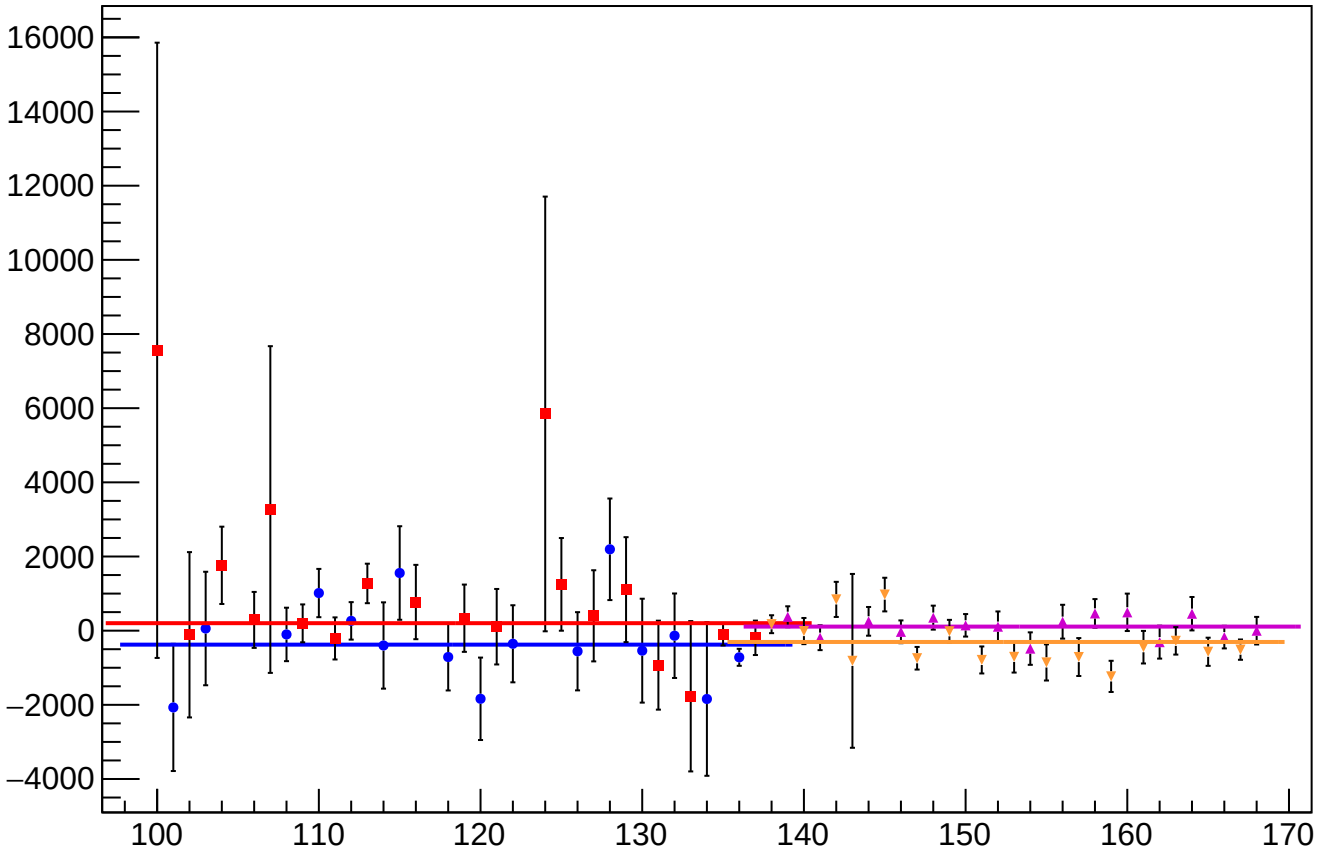
Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -602.078+/-289.631 χ^2/NDF:30.7/30

Out: -172.800+/-290.794 χ^2/NDF:33.9/34

All: -388.299+/-205.210 χ^2/NDF: 65.7/65


eigen_cor_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
170
Right In: 1286.097+/-0.345 χ²/NDF: 518128.4/15
Left Out: 1285.581+/-0.257 χ²/NDF:163512.3/15
Right Out: 1297.394+/-0.344 χ²/NDF: 327741.7/18
Left In: 1268.223+/-0.255 χ²/NDF:16085.4/14
Left: 1276.837+/-0.181 χ²/NDF: 181904.3/30
Right: 1291.758+/-0.243 χ²/NDF: 846408.4/34
In: 1274.533+/-0.205 χ²/NDF:535953.6/30
Out: 1289.804+/-0.206 χ²/NDF:492012.1/34
All: 1282.138+/-0.145 χ²/NDF: 1030734.7/65



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 109.672+/-93.791 χ^2/NDF:8.4/14

Left: -99.172+/-66.049 χ^2/NDF: 50.3/30

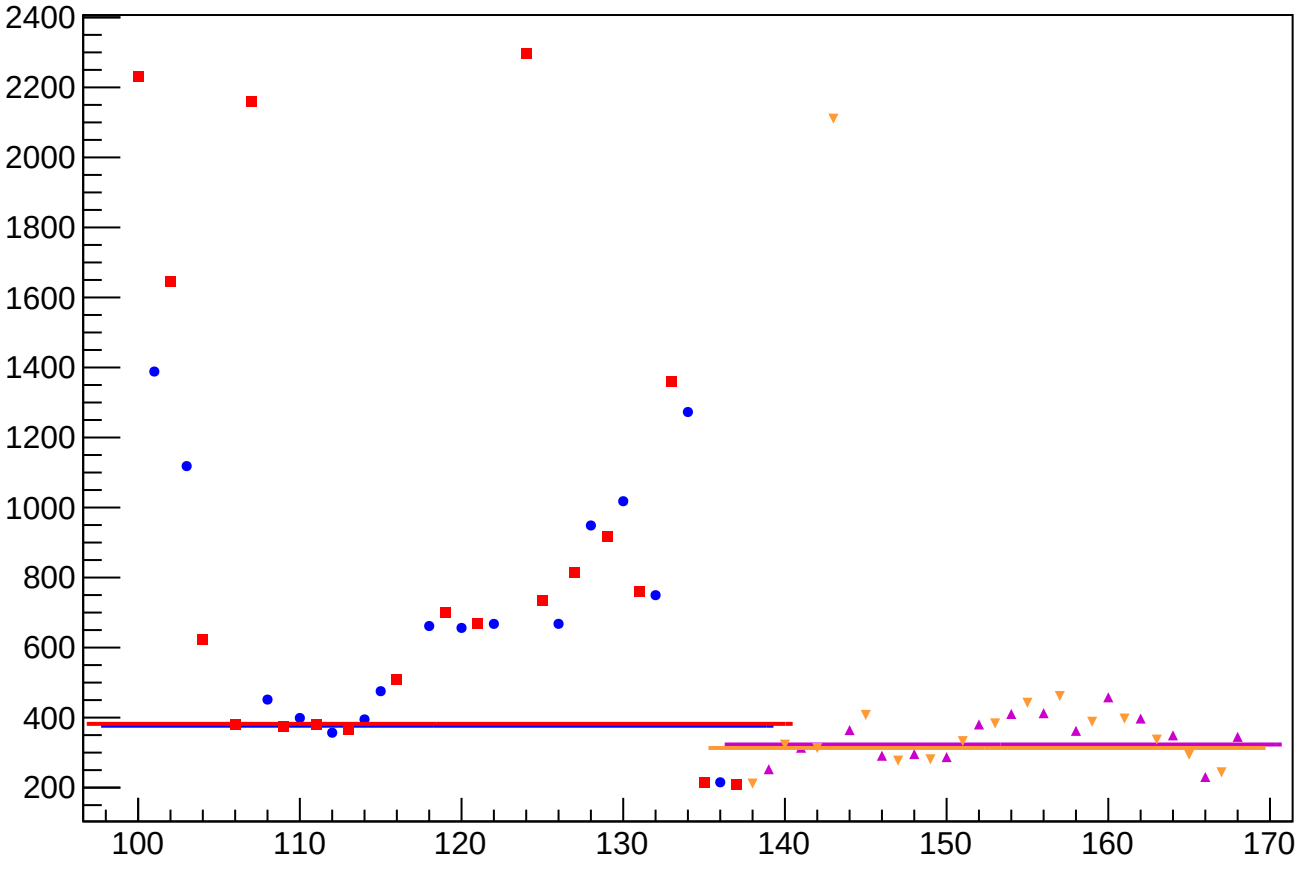
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.681+/-81.919 χ^2/NDF:32.7/30

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -96.856+/-57.790 χ^2/NDF: 88.2/65

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: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

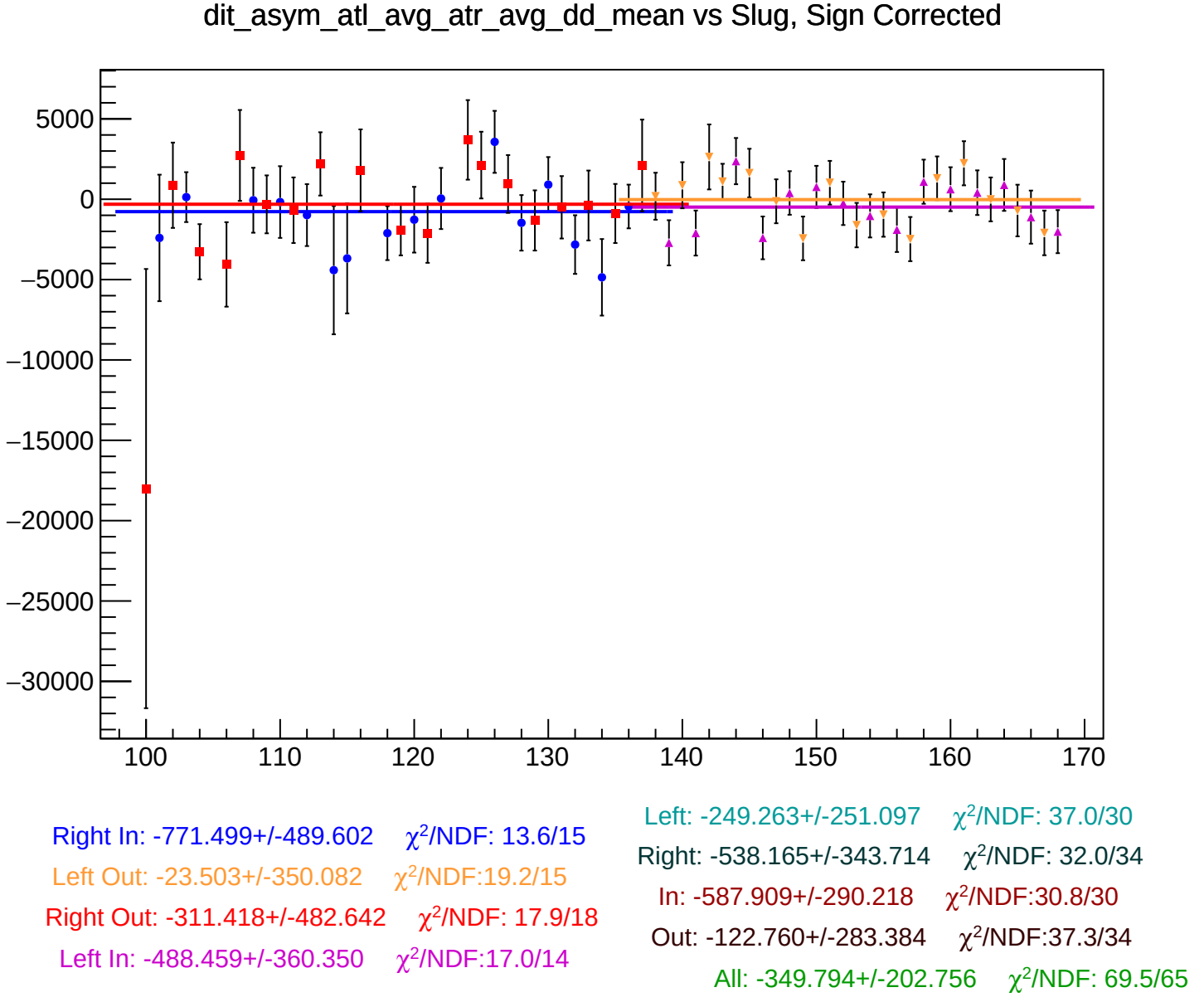
Left: 318.184+/-0.047 χ^2/NDF: 3154145.0/30

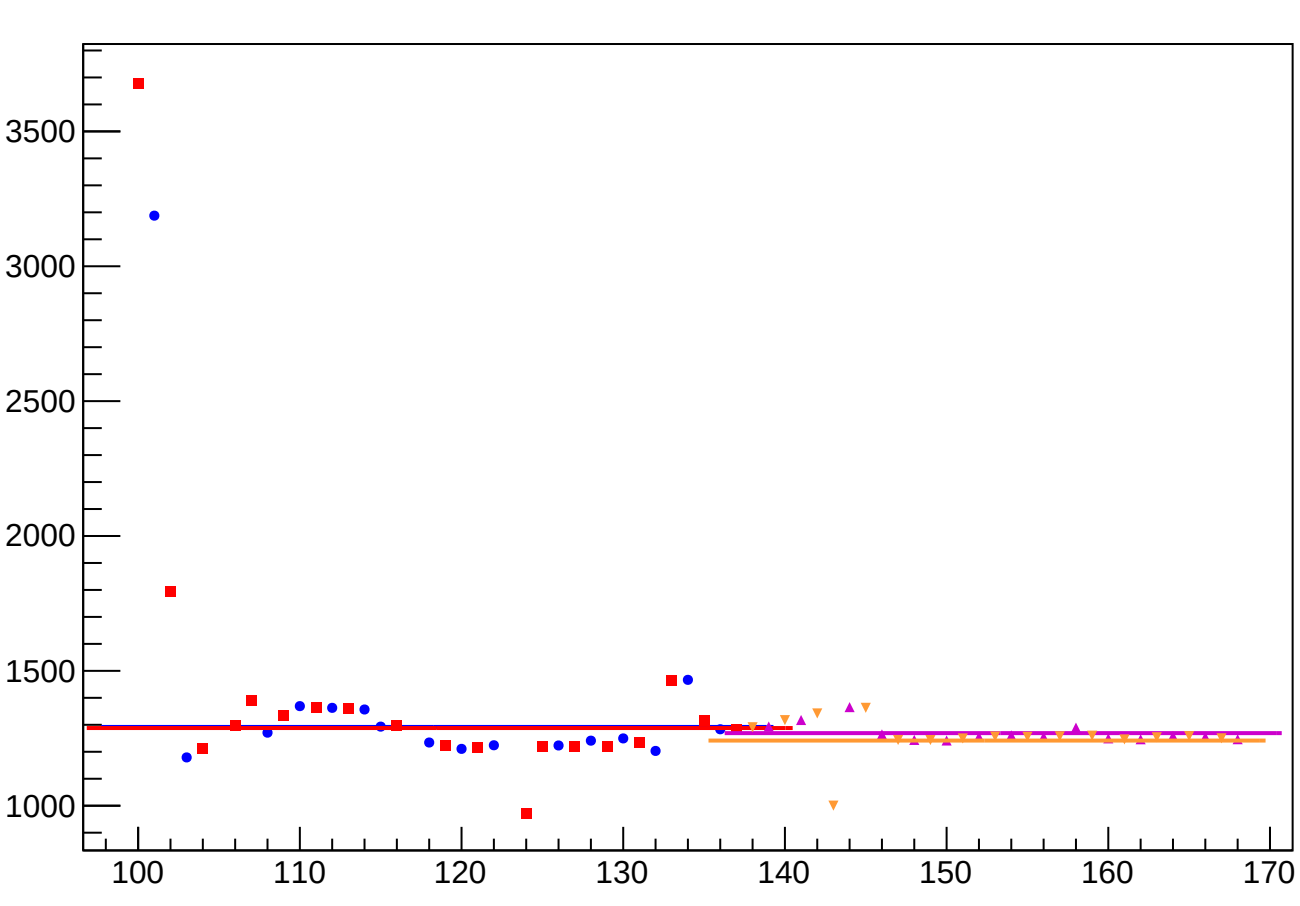
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.913+/-0.058 χ^2/NDF:5174551.3/30

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65


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
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.503+/-350.082 χ²/NDF:19.2/15
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -488.459+/-360.350 χ²/NDF:17.0/14
Left: -249.263+/-251.097 χ²/NDF: 37.0/30
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -587.909+/-290.218 χ²/NDF:30.8/30
Out: -122.760+/-283.384 χ²/NDF:37.3/34
All: -349.794+/-202.756 χ²/NDF: 69.5/65



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

Left: 1254.954+/-0.178 χ^2/NDF: 144466.3/30

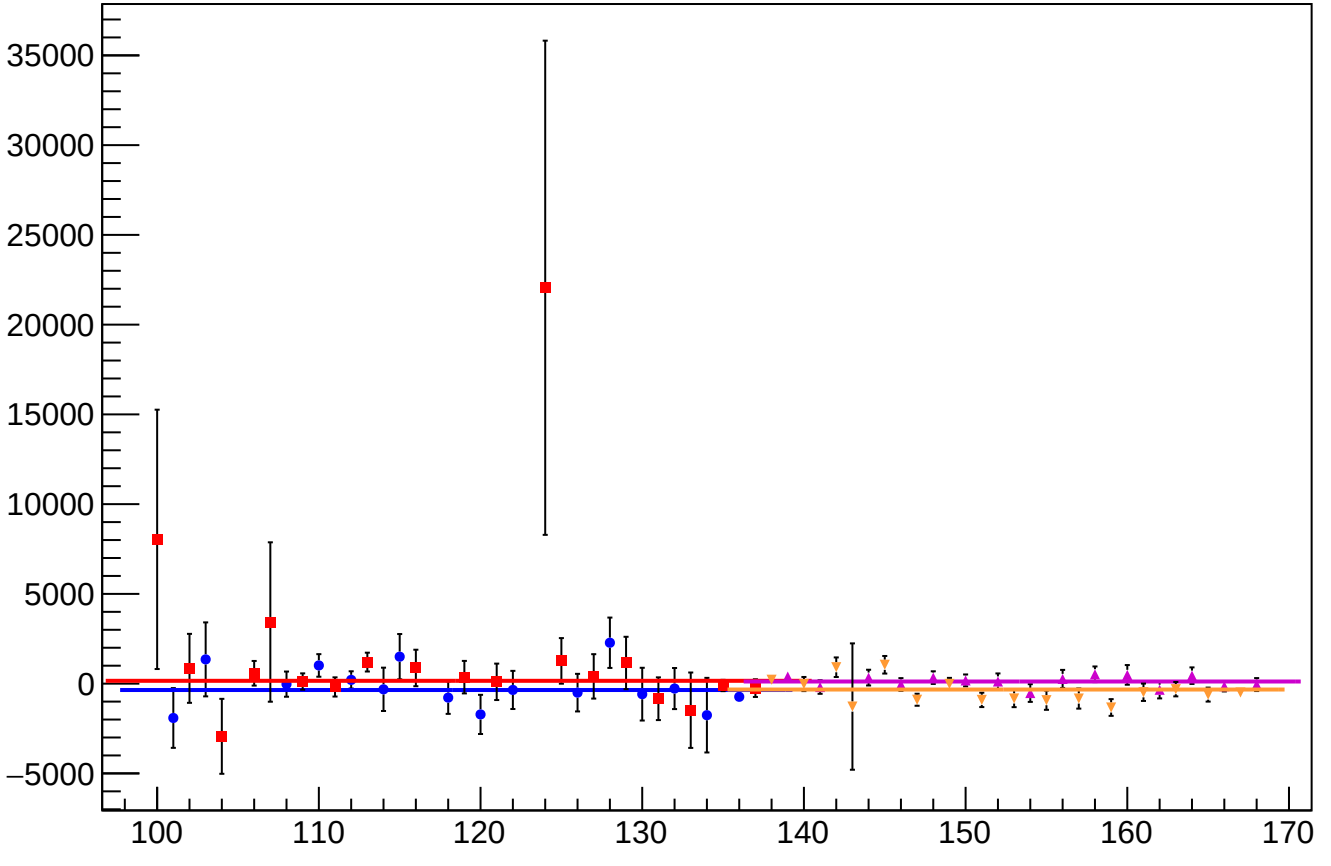
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1277.189+/-0.205 χ^2/NDF:528450.7/30

Out: 1257.566+/-0.200 χ^2/NDF:343564.7/34

All: 1267.144+/-0.143 χ^2/NDF: 876695.7/65

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: -327.824+/-98.934 χ^2/NDF:33.4/15

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 119.218+/-99.769 χ^2/NDF:8.1/14

Left: -106.183+/-70.250 χ^2/NDF: 51.6/30

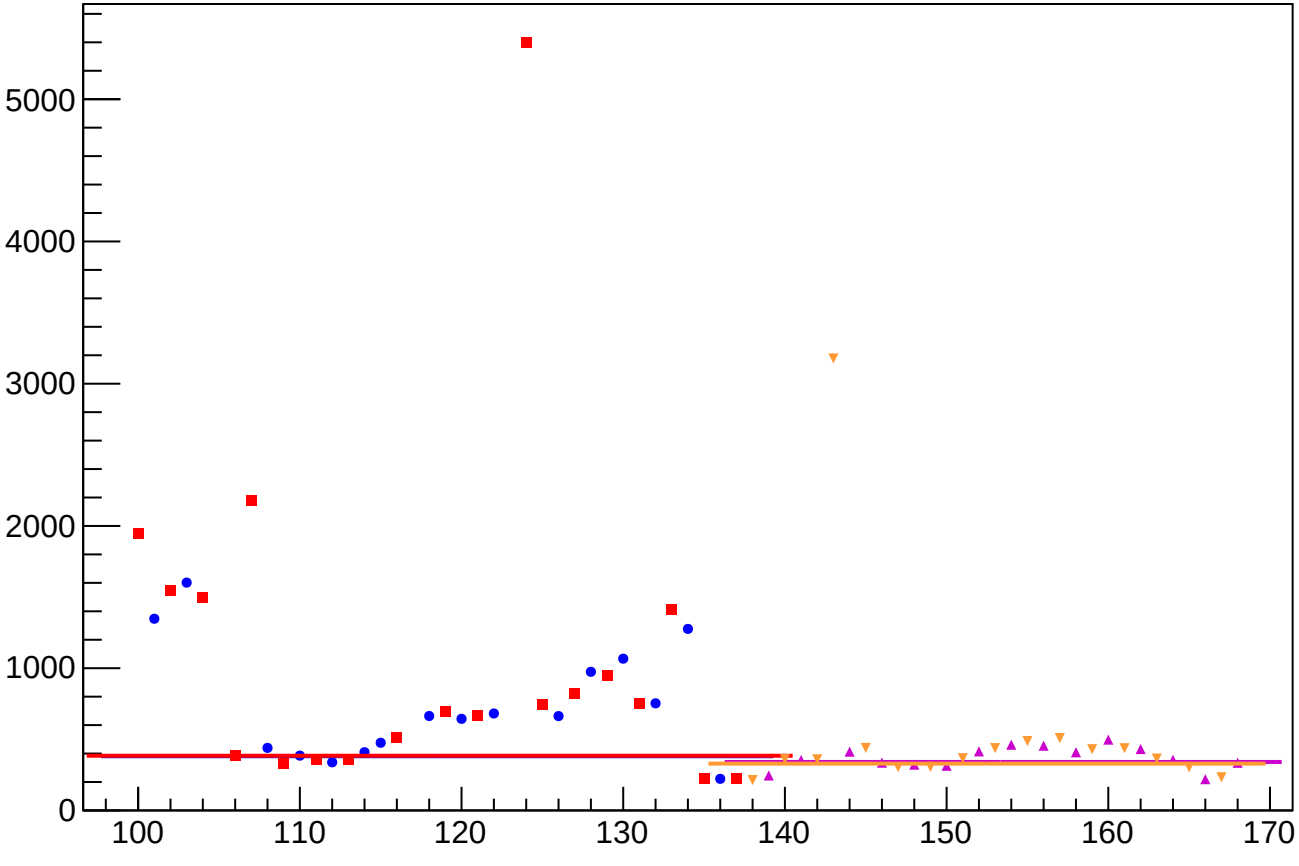
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.360+/-86.042 χ^2/NDF:32.3/30

Out: -204.569+/-85.465 χ^2/NDF:55.3/34

All: -104.144+/-60.636 χ^2/NDF: 90.4/65

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 340.894+/-0.071 χ^2/NDF:1222240.6/14

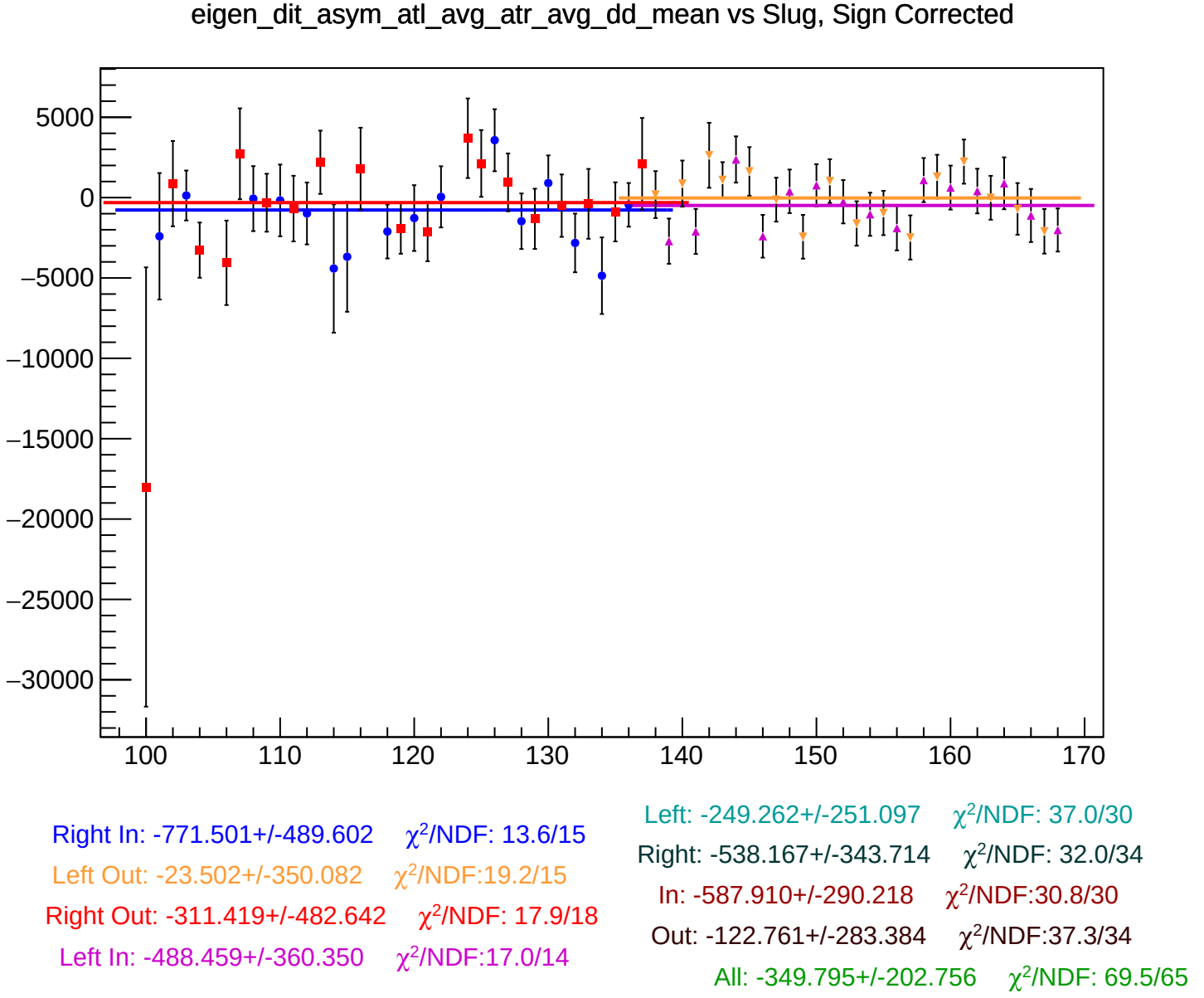
Left: 335.078+/-0.050 χ^2/NDF: 4122340.4/30

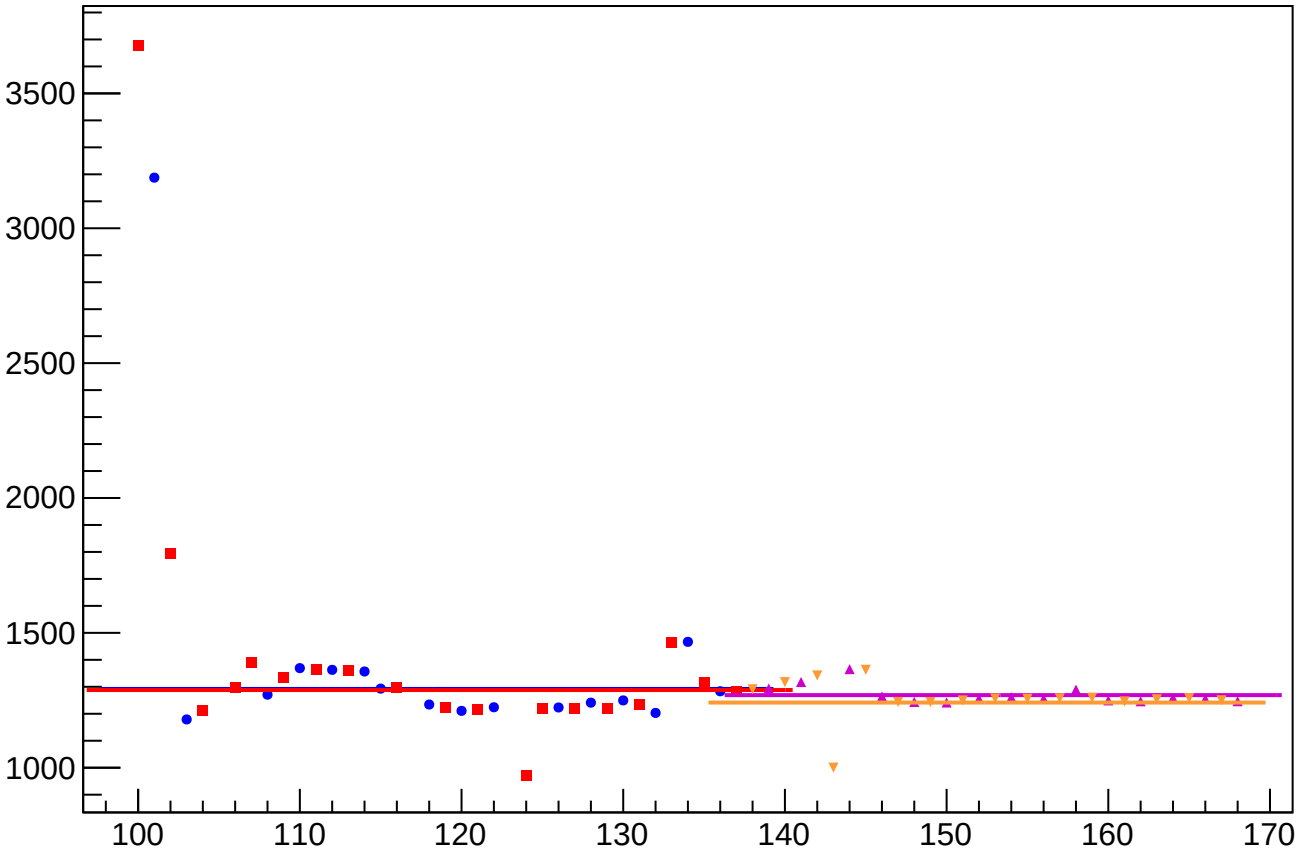
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 351.261+/-0.061 χ^2/NDF:5624430.2/30

Out: 343.389+/-0.060 χ^2/NDF:7605335.8/34

All: 347.299+/-0.043 χ^2/NDF: 13238190.9/65


eigen_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
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.502+/-350.082 χ²/NDF:19.2/15
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -488.459+/-360.350 χ²/NDF:17.0/14
Left: -249.262+/-251.097 χ²/NDF: 37.0/30
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -587.910+/-290.218 χ²/NDF:30.8/30
Out: -122.761+/-283.384 χ²/NDF:37.3/34
All: -349.795+/-202.756 χ²/NDF: 69.5/65



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122228.4/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

Left: 1254.954+/-0.178 χ^2/NDF: 144465.5/30

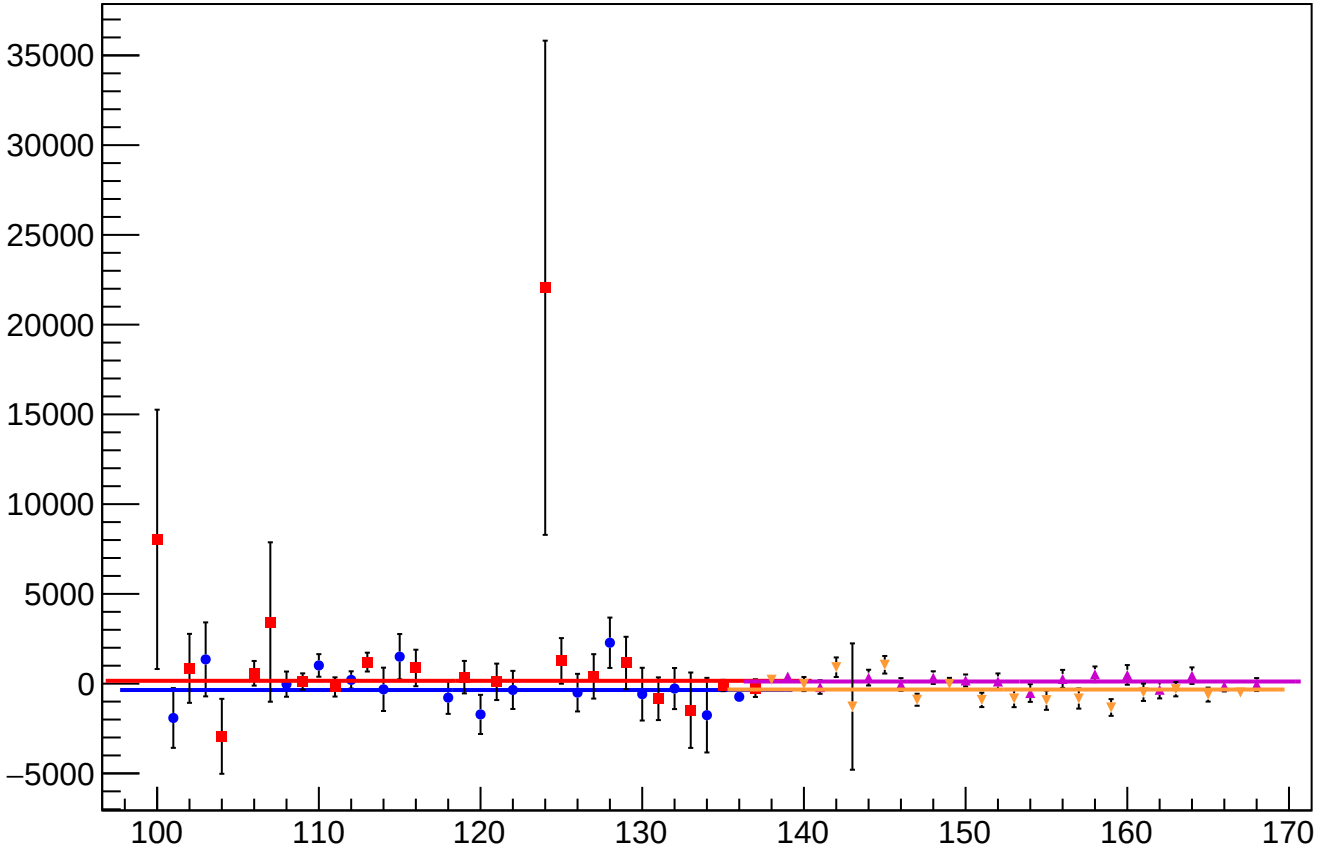
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1277.189+/-0.205 χ^2/NDF:528450.7/30

Out: 1257.567+/-0.200 χ^2/NDF:343564.1/34

All: 1267.144+/-0.143 χ^2/NDF: 876695.1/65

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: -327.835+/-98.935 χ^2/NDF:33.4/15

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 119.216+/-99.770 χ^2/NDF:8.1/14

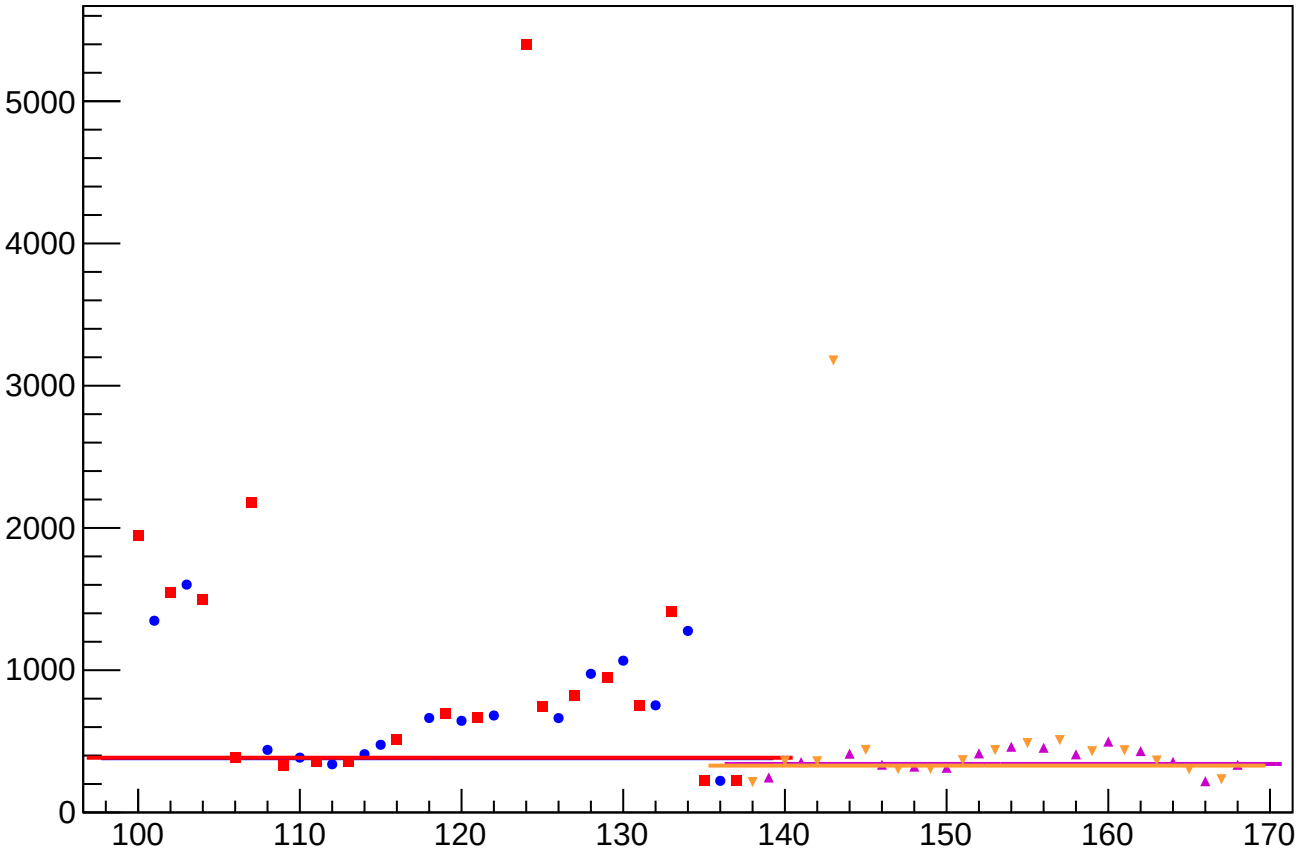
Left: -106.188+/-70.251 χ^2/NDF: 51.6/30

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.360+/-86.042 χ^2/NDF:32.3/30

Out: -204.576+/-85.466 χ^2/NDF:55.3/34

All: -104.148+/-60.636 χ^2/NDF: 90.4/65



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 340.896+/-0.071 χ^2/NDF:1222165.2/14

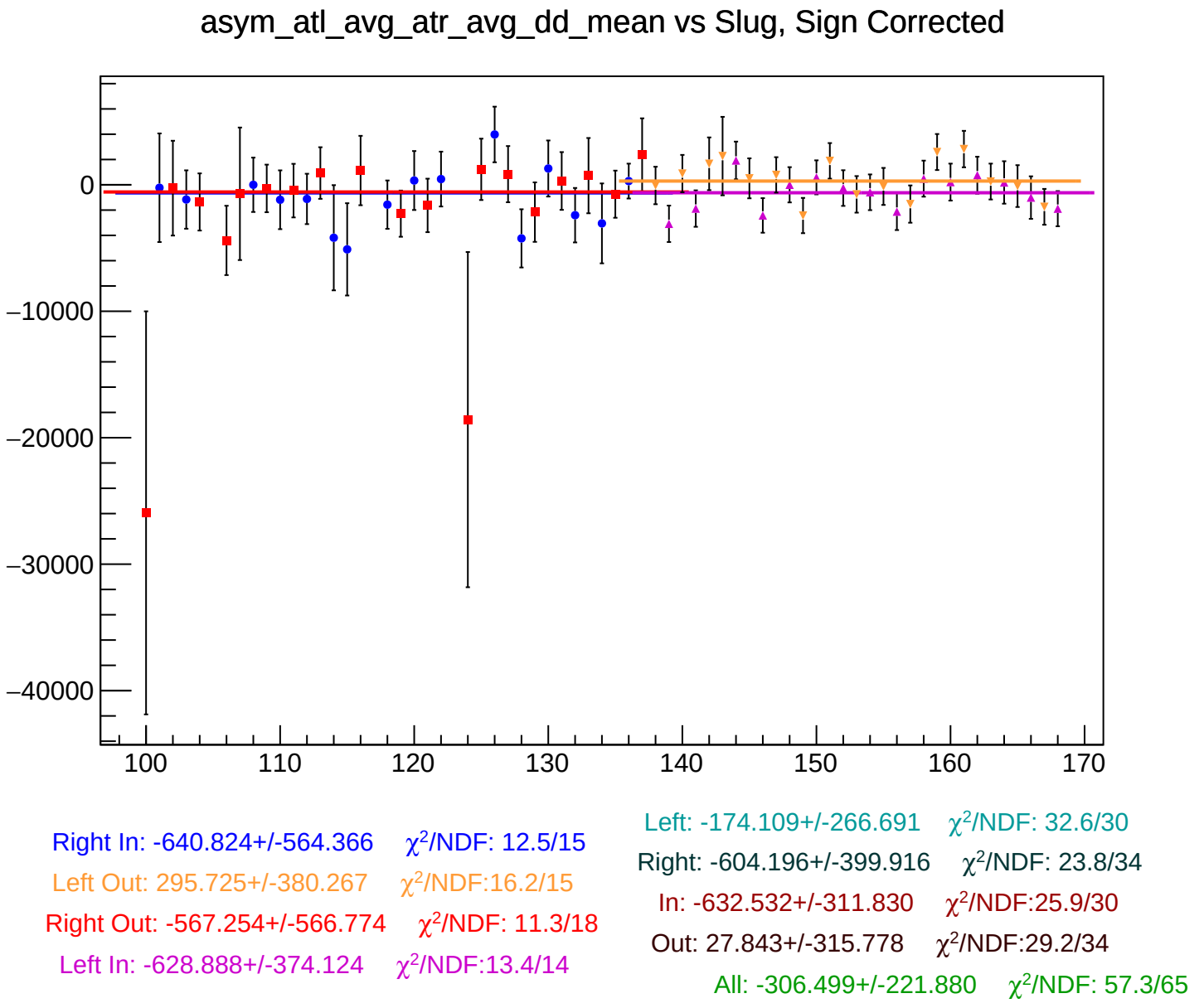
Left: 335.081+/-0.050 χ^2/NDF: 4122128.1/30

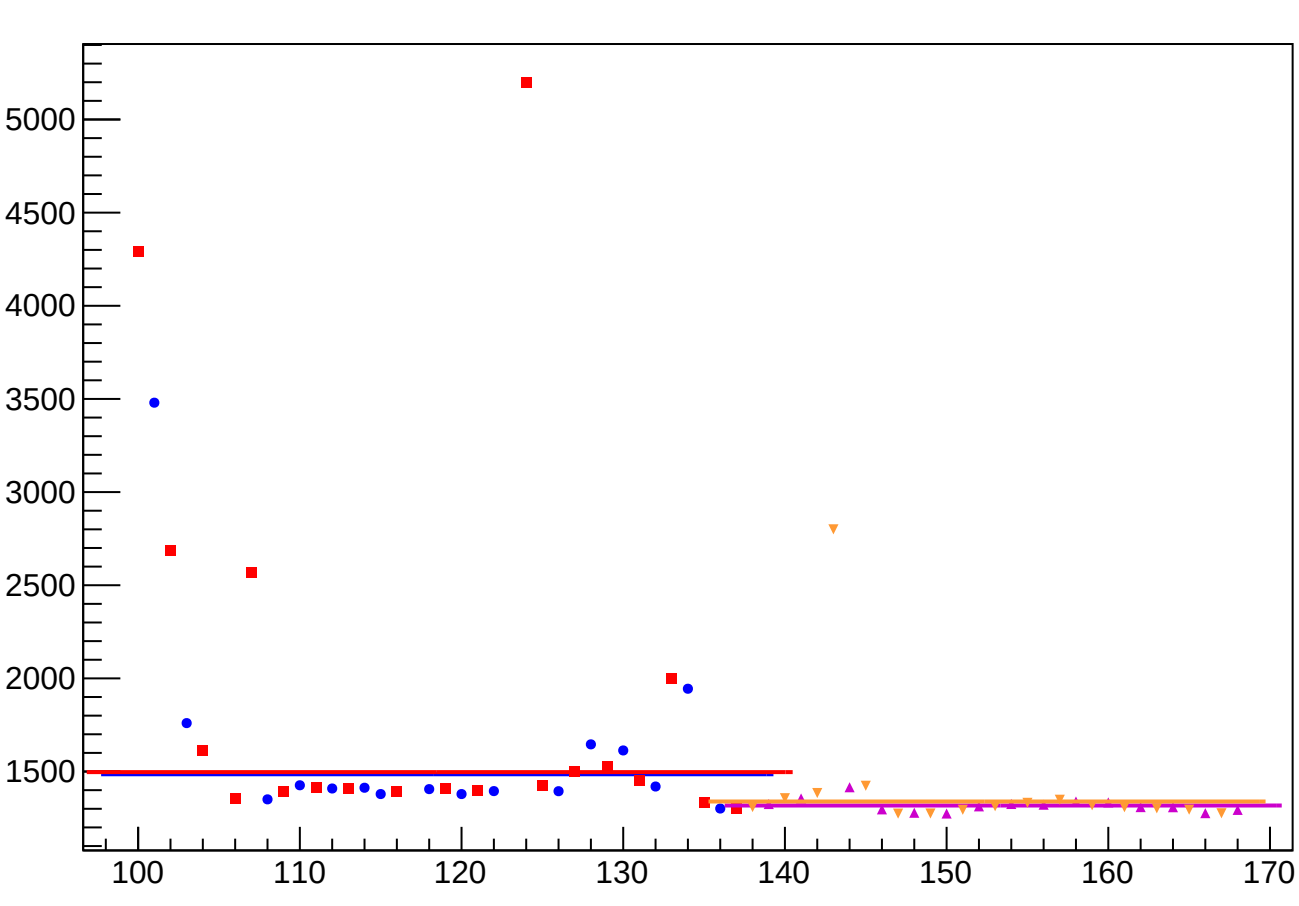
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 351.265+/-0.061 χ^2/NDF:5624199.5/30

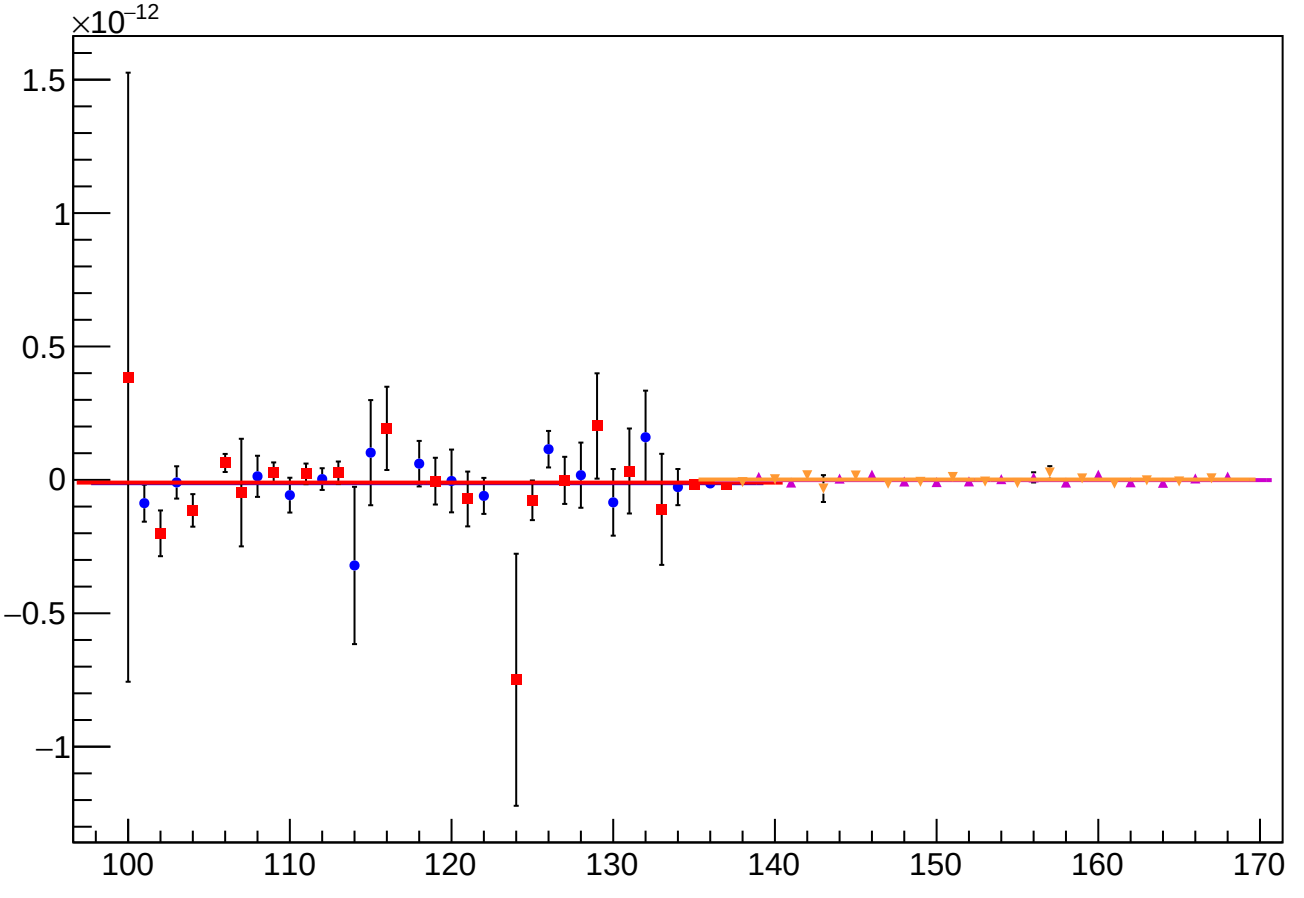
Out: 343.394+/-0.060 χ^2/NDF:7605082.4/34

All: 347.303+/-0.043 χ^2/NDF: 13237705.7/65


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 295.725+/-380.267 χ²/NDF:16.2/15
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -628.888+/-374.124 χ²/NDF:13.4/14
Left: -174.109+/-266.691 χ²/NDF: 32.6/30
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -632.532+/-311.830 χ²/NDF:25.9/30
Out: 27.843+/-315.778 χ²/NDF:29.2/34
All: -306.499+/-221.880 χ²/NDF: 57.3/65


asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1485.370+/-0.399 χ²/NDF: 584470.1/15
Left Out: 1339.155+/-0.269 χ²/NDF:470405.8/15
Right Out: 1496.865+/-0.401 χ²/NDF: 623292.7/18
Left In: 1317.605+/-0.265 χ²/NDF:16823.5/14
Left: 1328.205+/-0.189 χ²/NDF: 490493.3/30
Right: 1491.093+/-0.283 χ²/NDF: 1208175.9/34
In: 1368.822+/-0.220 χ²/NDF:724070.5/30
Out: 1388.111+/-0.223 χ²/NDF:1200485.6/34
All: 1378.345+/-0.157 χ²/NDF: 1928334.3/65

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/14

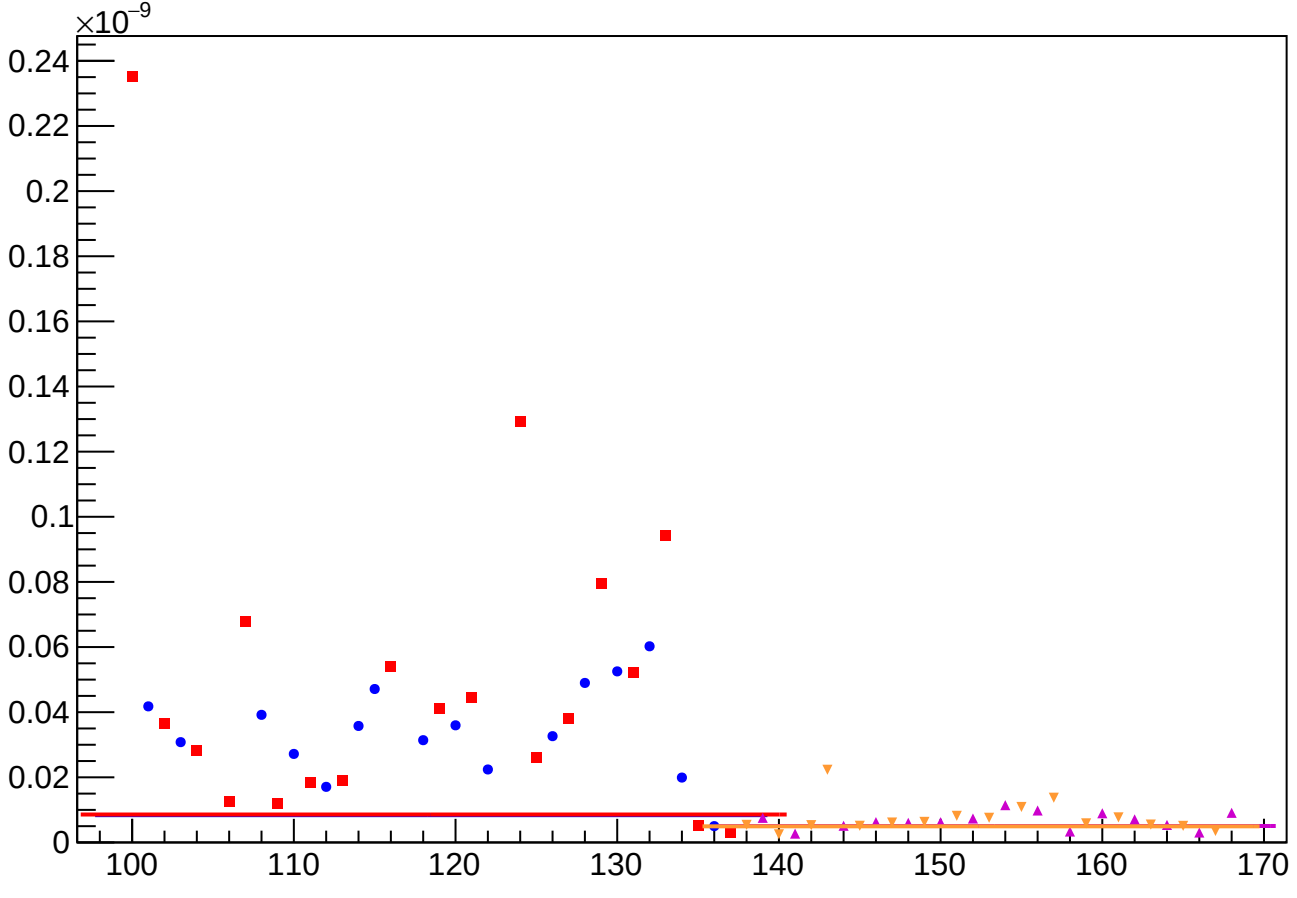
Left: 0.000+/-0.000 χ^2/NDF: 30.7/30

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:27.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 66.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575056.4/14

Left: 0.000+/-0.000 χ^2/NDF: 3336020.8/30

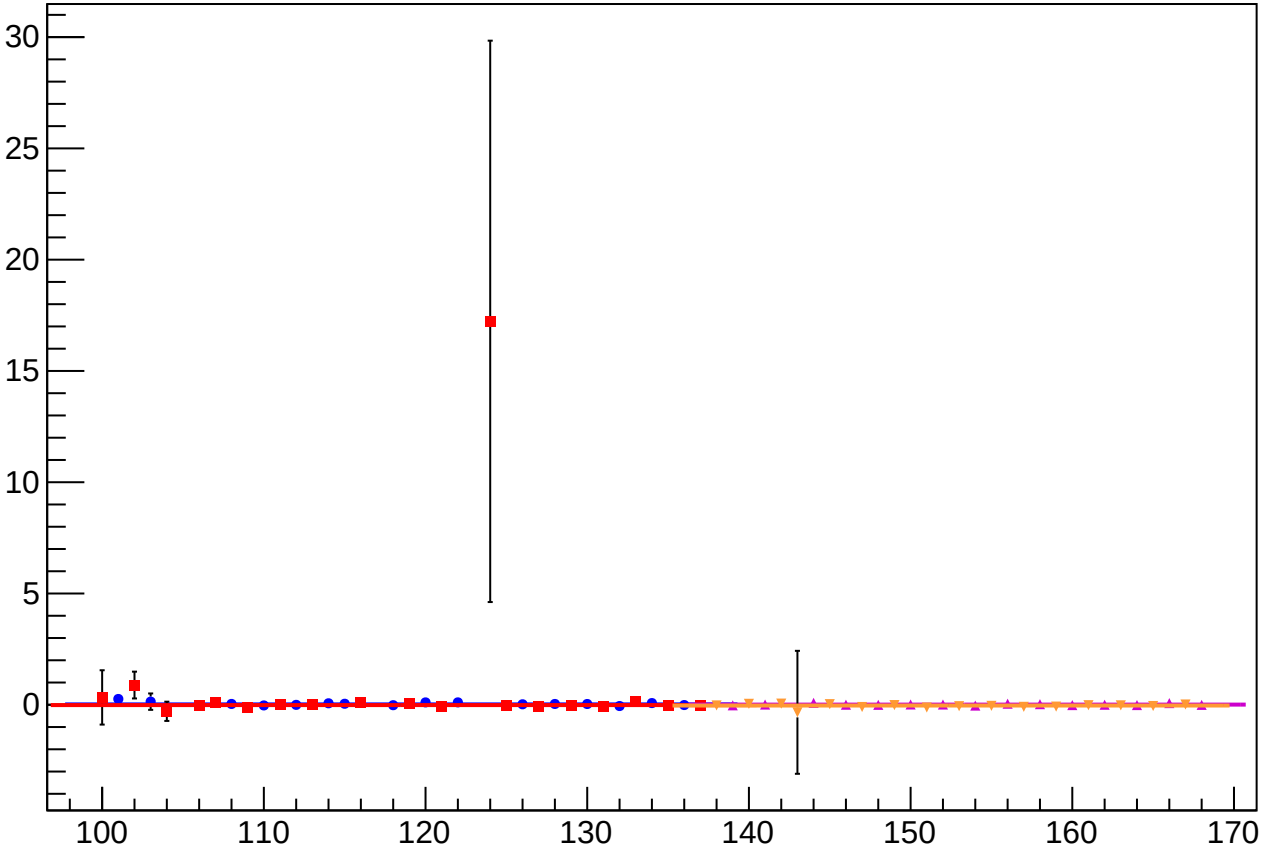
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4994521.1/30

Out: 0.000+/-0.000 χ^2/NDF:5483617.6/34

All: 0.000+/-0.000 χ^2/NDF: 10481994.8/65

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

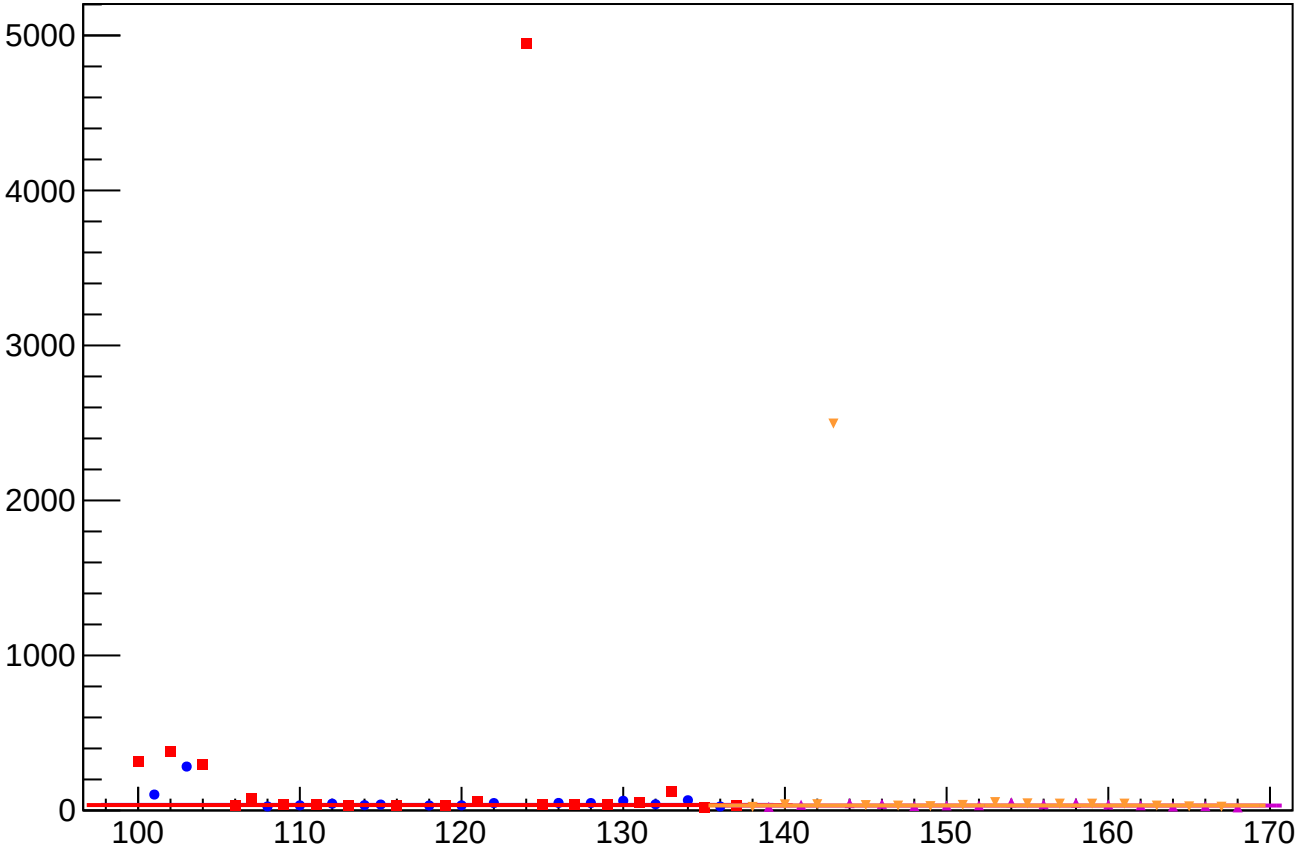
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

Left: 31.933+/-0.005 χ^2/NDF: 4509268.6/30

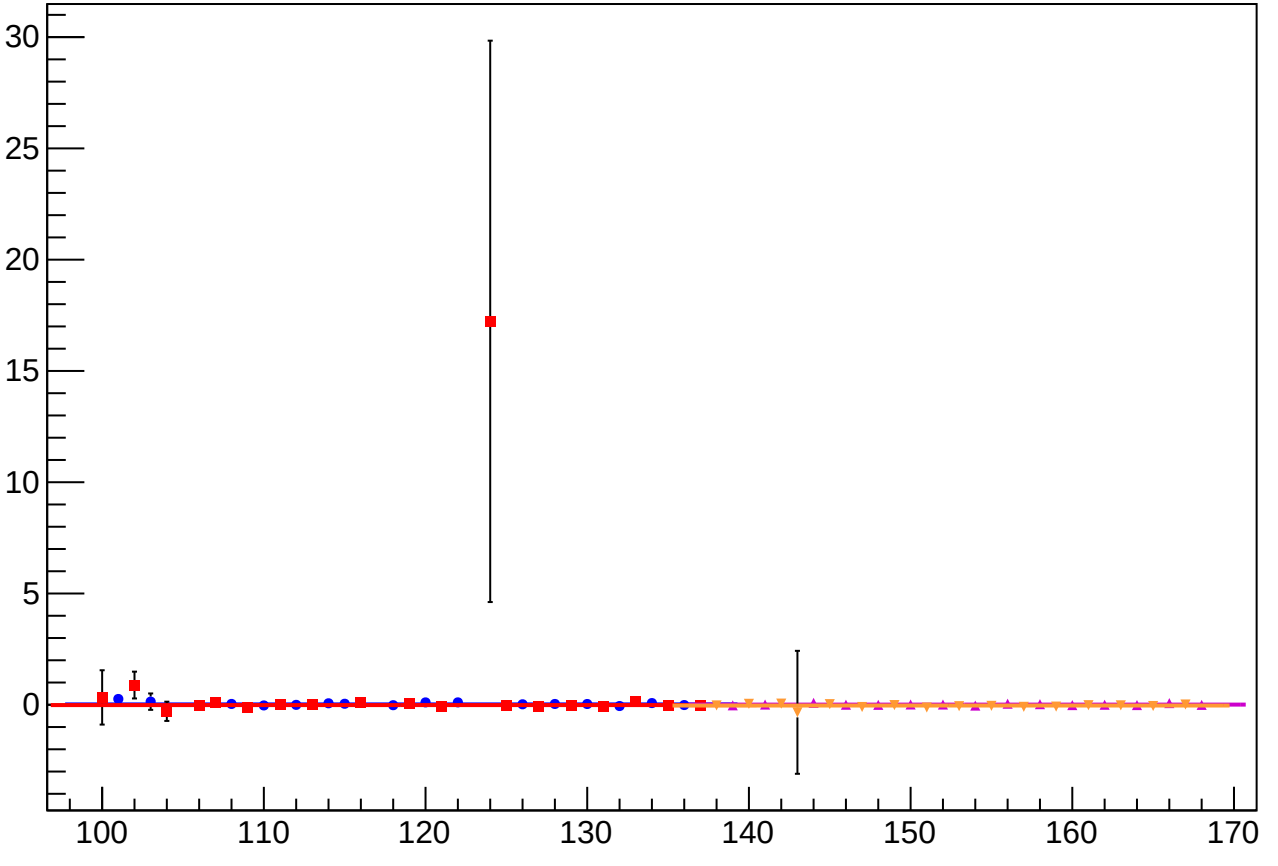
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.858+/-0.006 χ^2/NDF:3978191.3/30

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

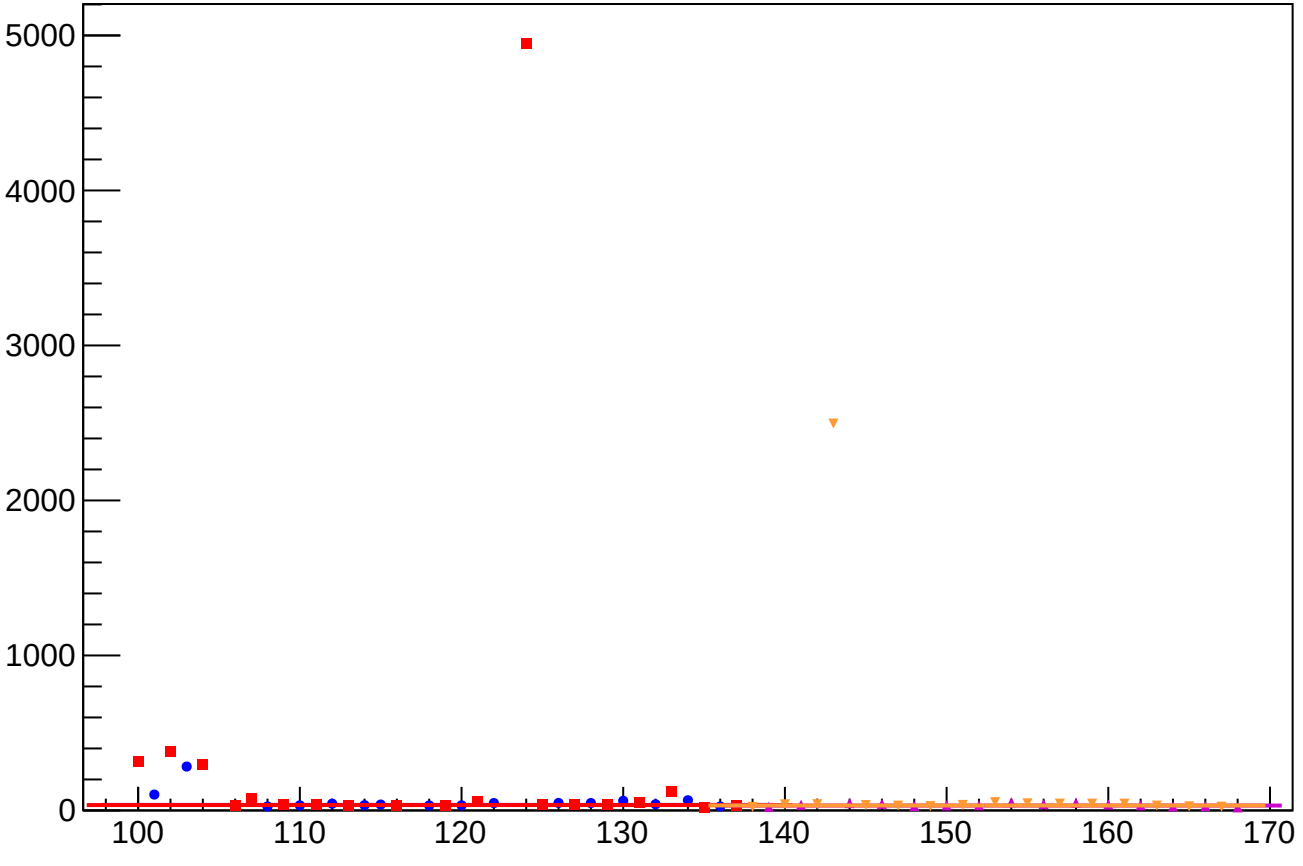
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

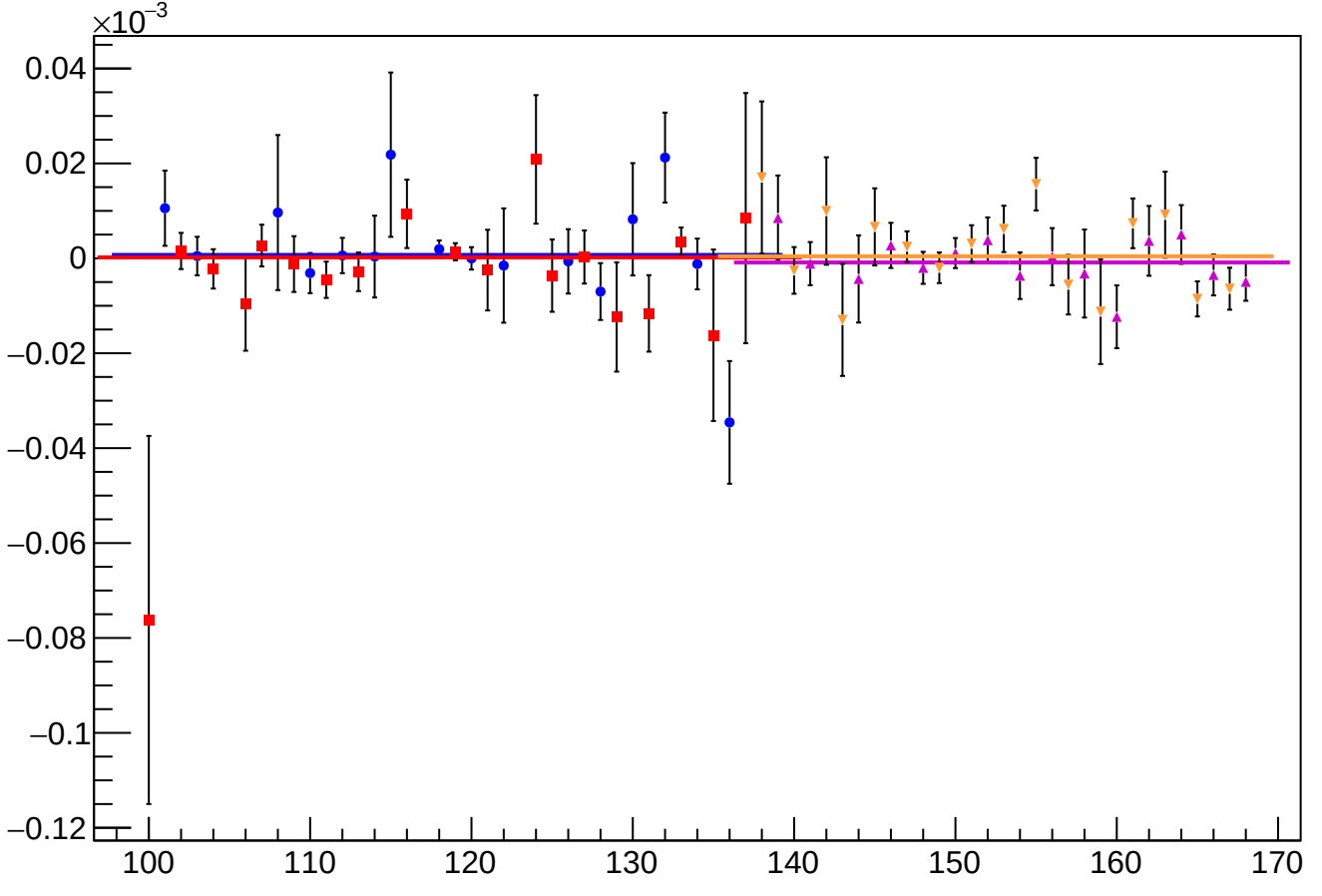
Left: 31.933+/-0.005 χ^2/NDF: 4509268.6/30

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.858+/-0.006 χ^2/NDF:3978191.3/30

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/14

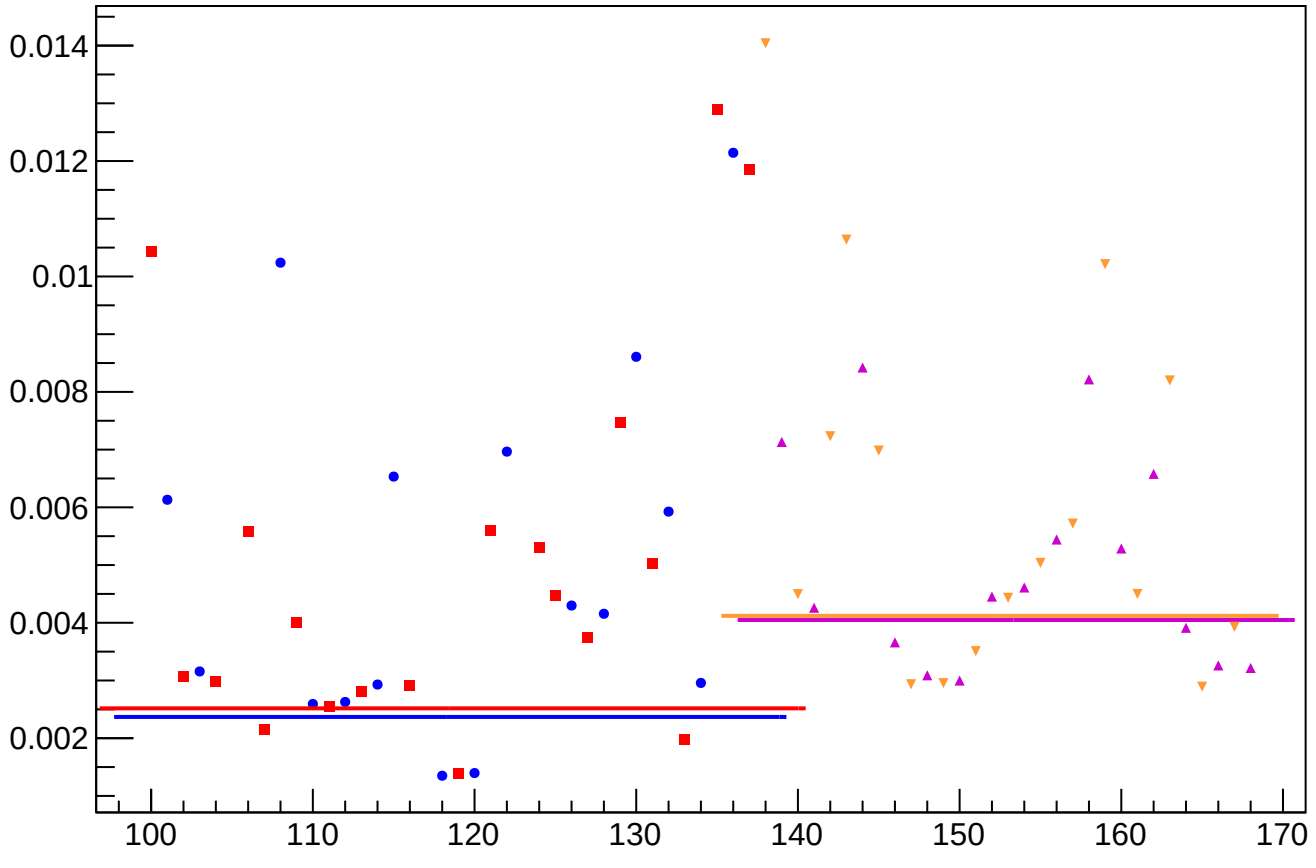
Left: -0.000+/-0.000 χ^2/NDF: 37.2/30

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:29.3/30

Out: 0.000+/-0.000 χ^2/NDF:45.4/34

All: 0.000+/-0.000 χ^2/NDF: 74.8/65



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2099825.3/14

Left: 0.004+/-0.000 χ^2/NDF: 5907222.3/30

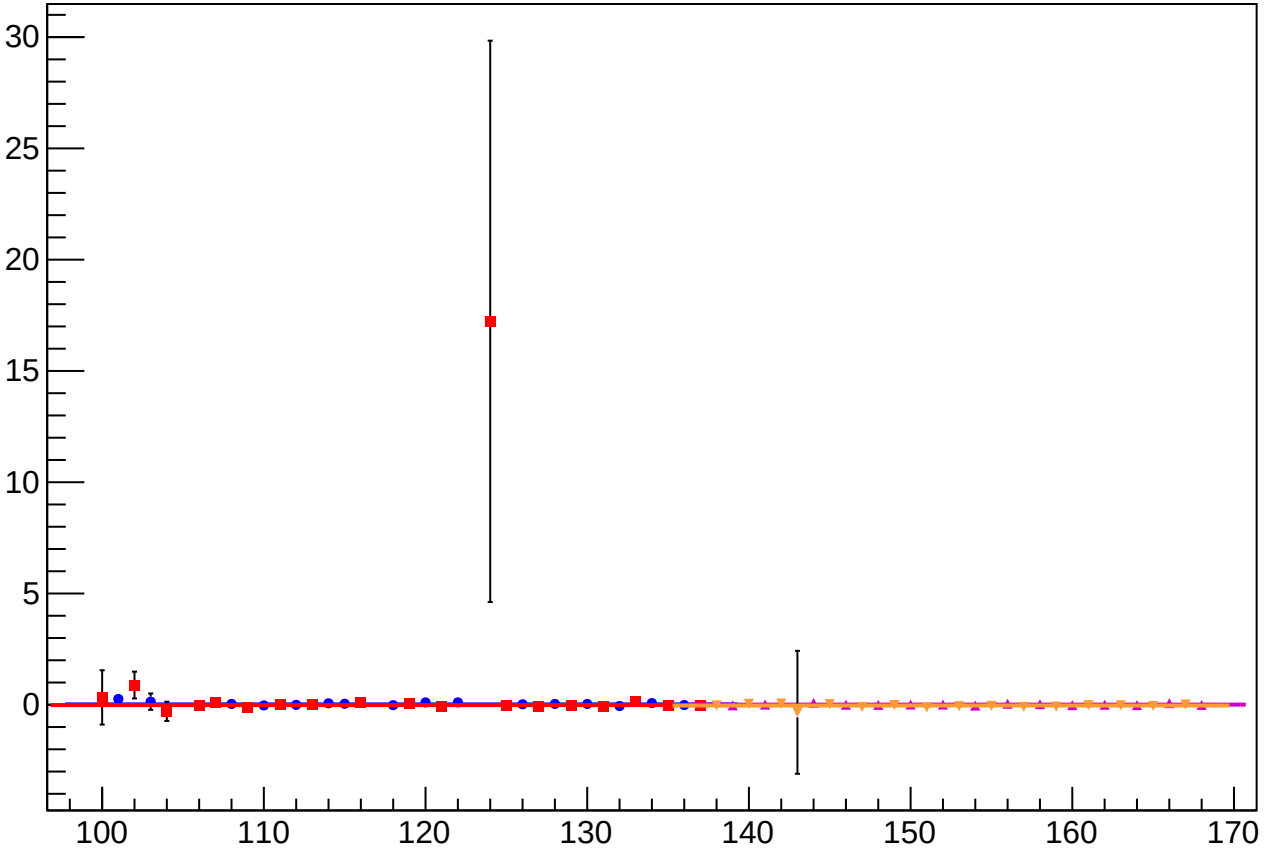
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8795440.1/30

Out: 0.003+/-0.000 χ^2/NDF:9062057.4/34

All: 0.003+/-0.000 χ^2/NDF: 17868639.3/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

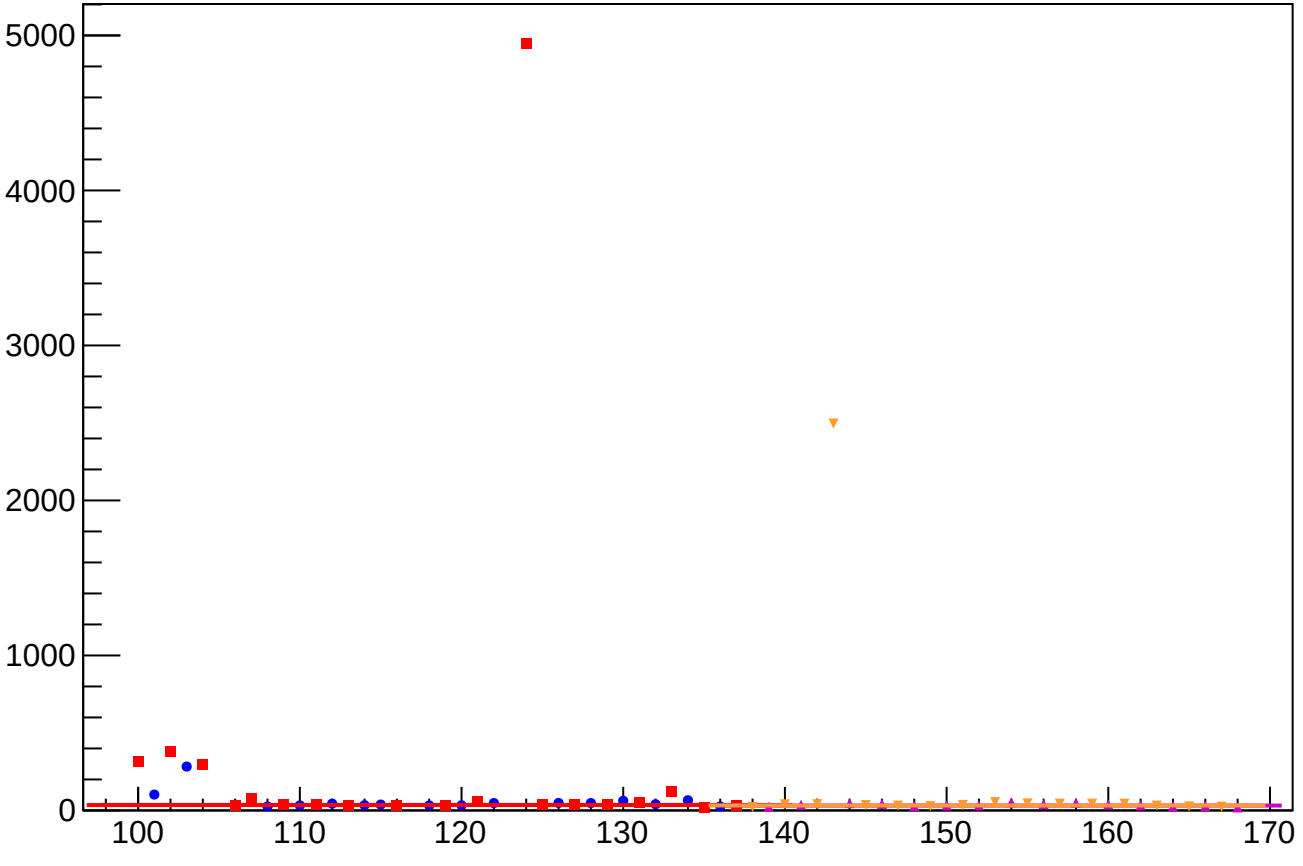
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

Left: 31.932+/-0.005 χ^2/NDF: 4510012.5/30

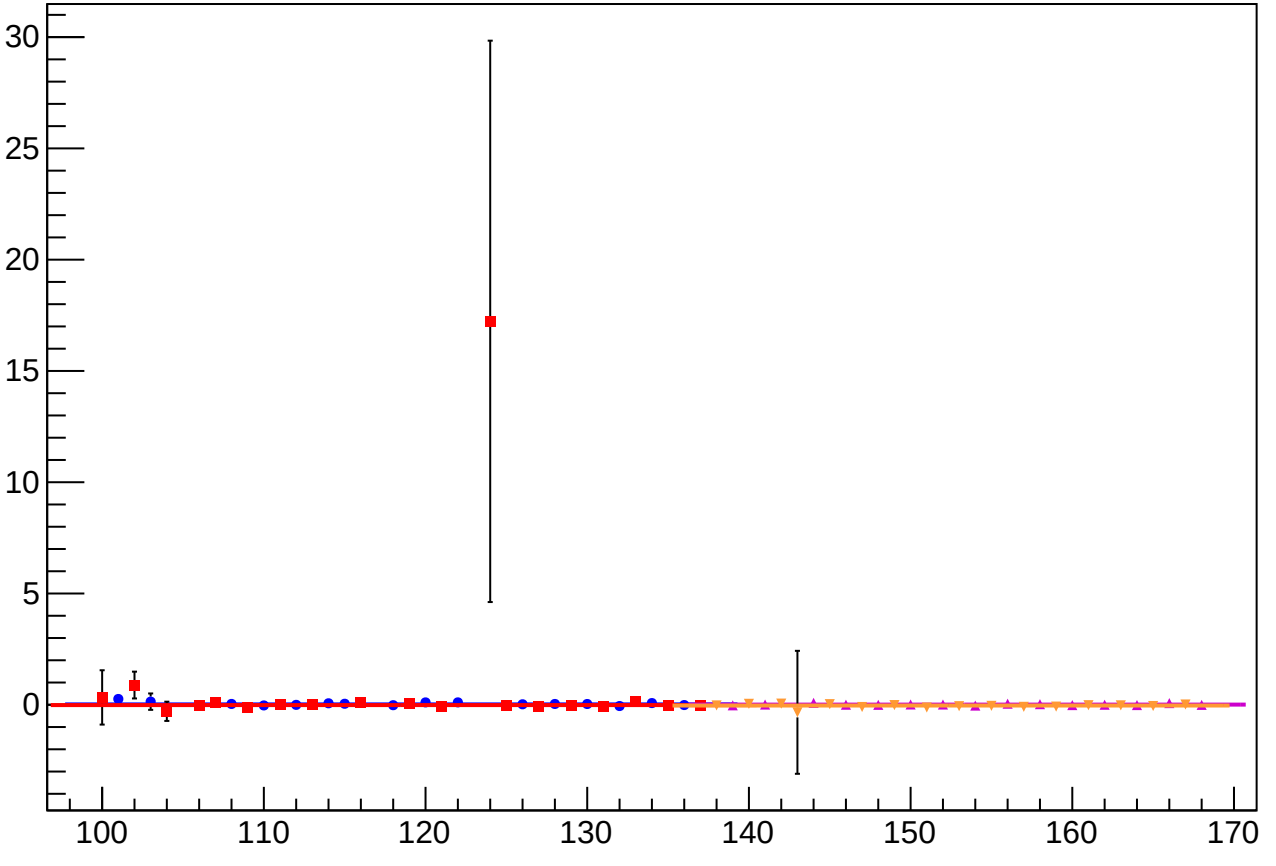
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.857+/-0.006 χ^2/NDF:3978633.2/30

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

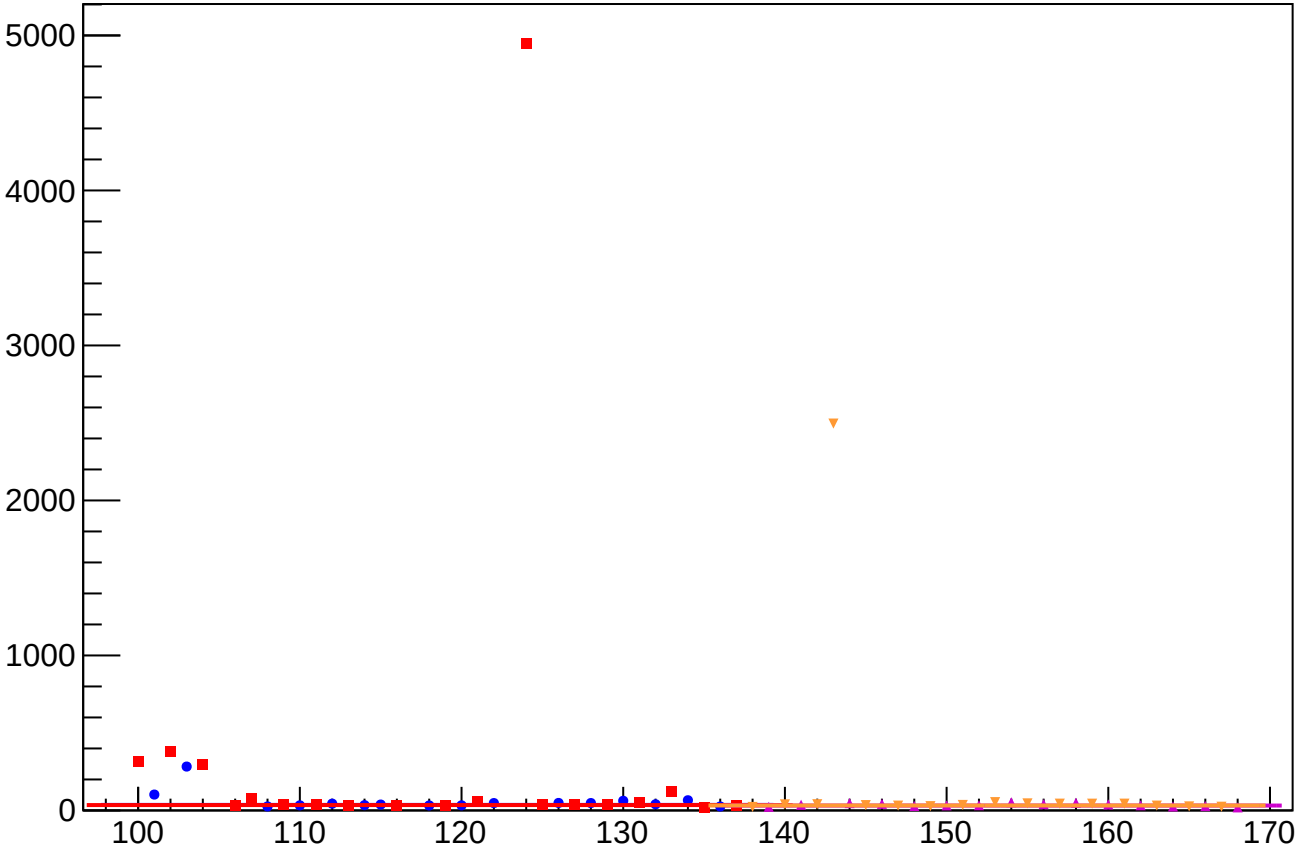
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

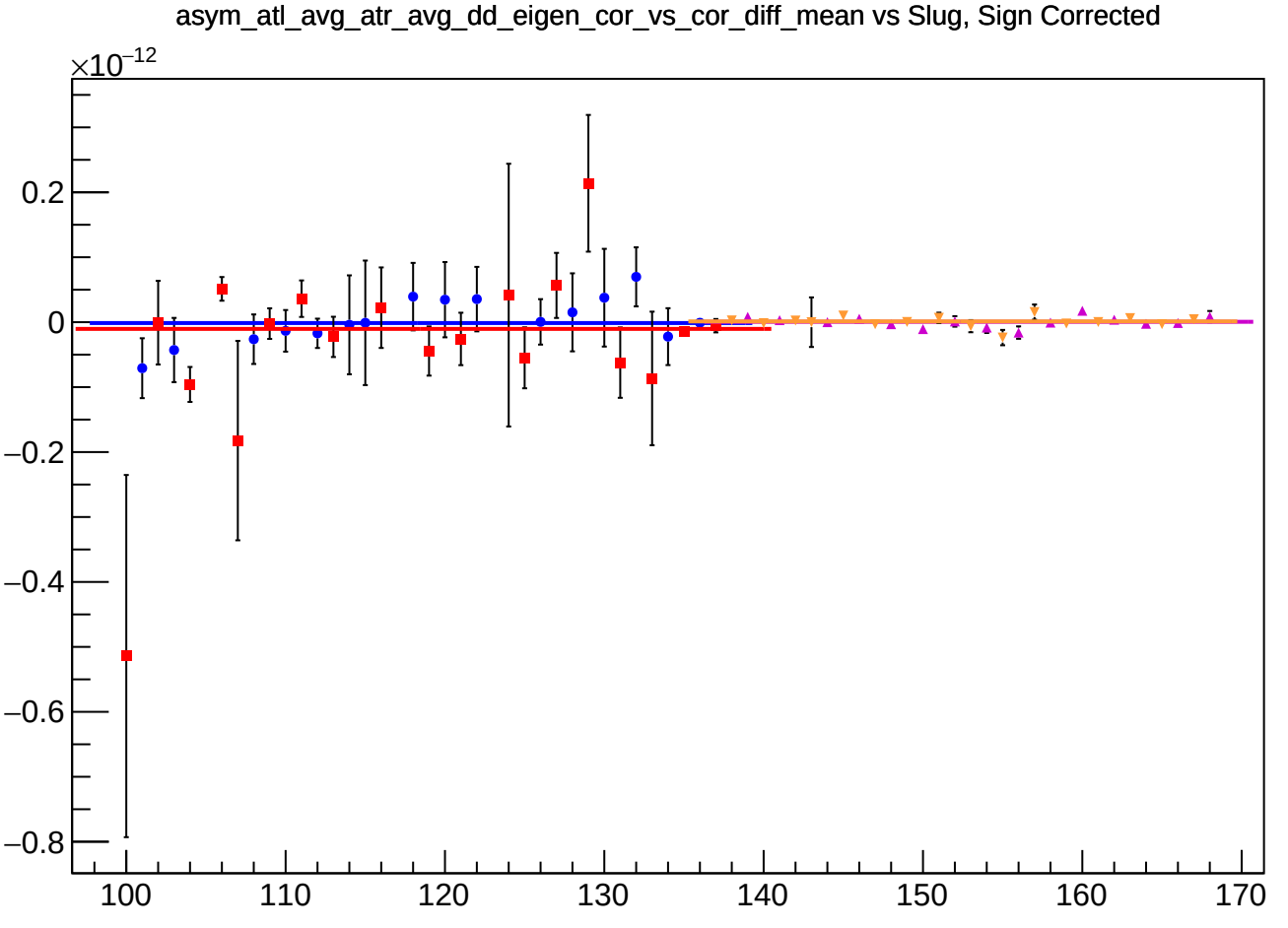
Left: 31.932+/-0.005 χ^2/NDF: 4510012.5/30

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.857+/-0.006 χ^2/NDF:3978633.2/30

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/14

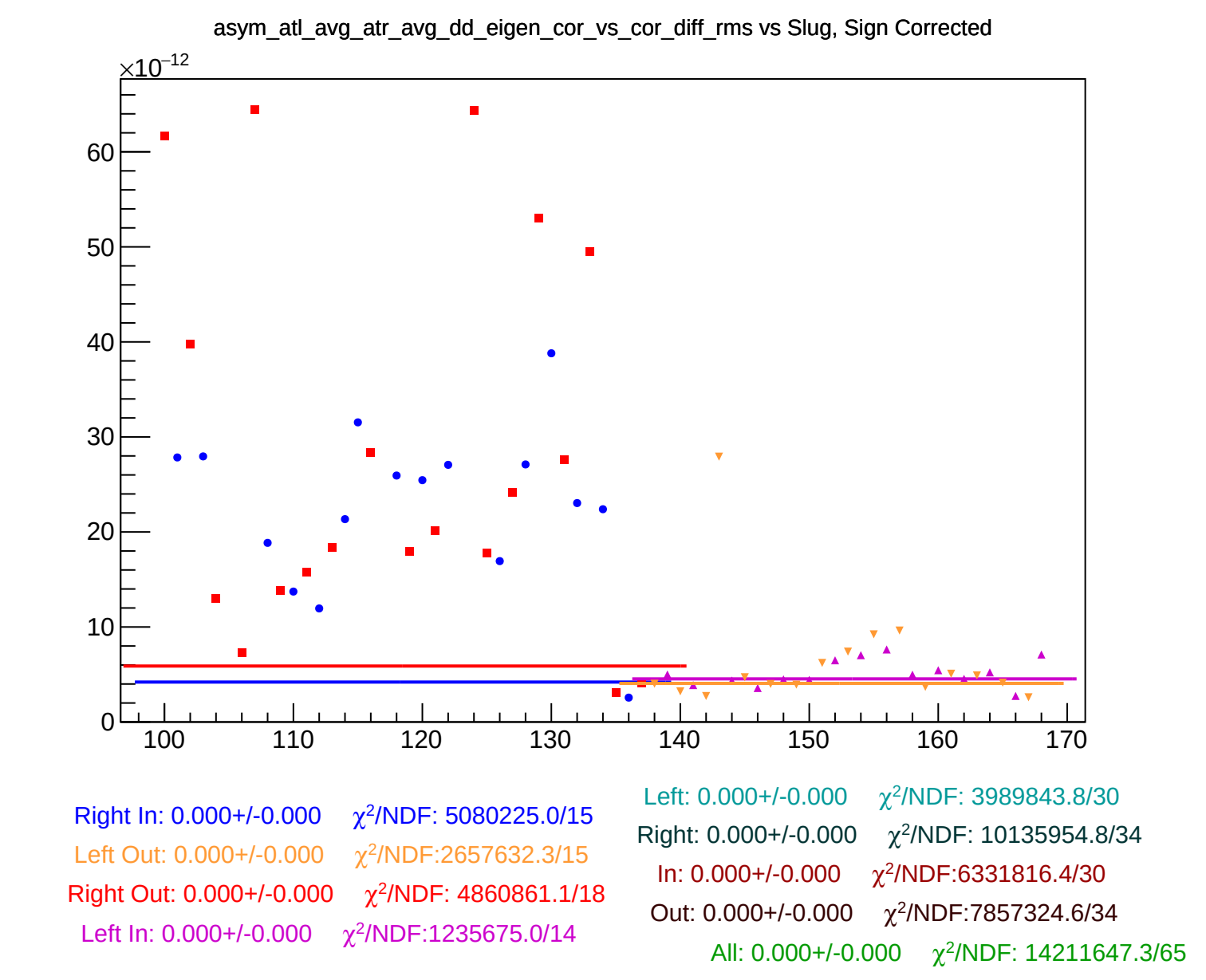
Left: 0.000+/-0.000 χ^2/NDF: 31.1/30

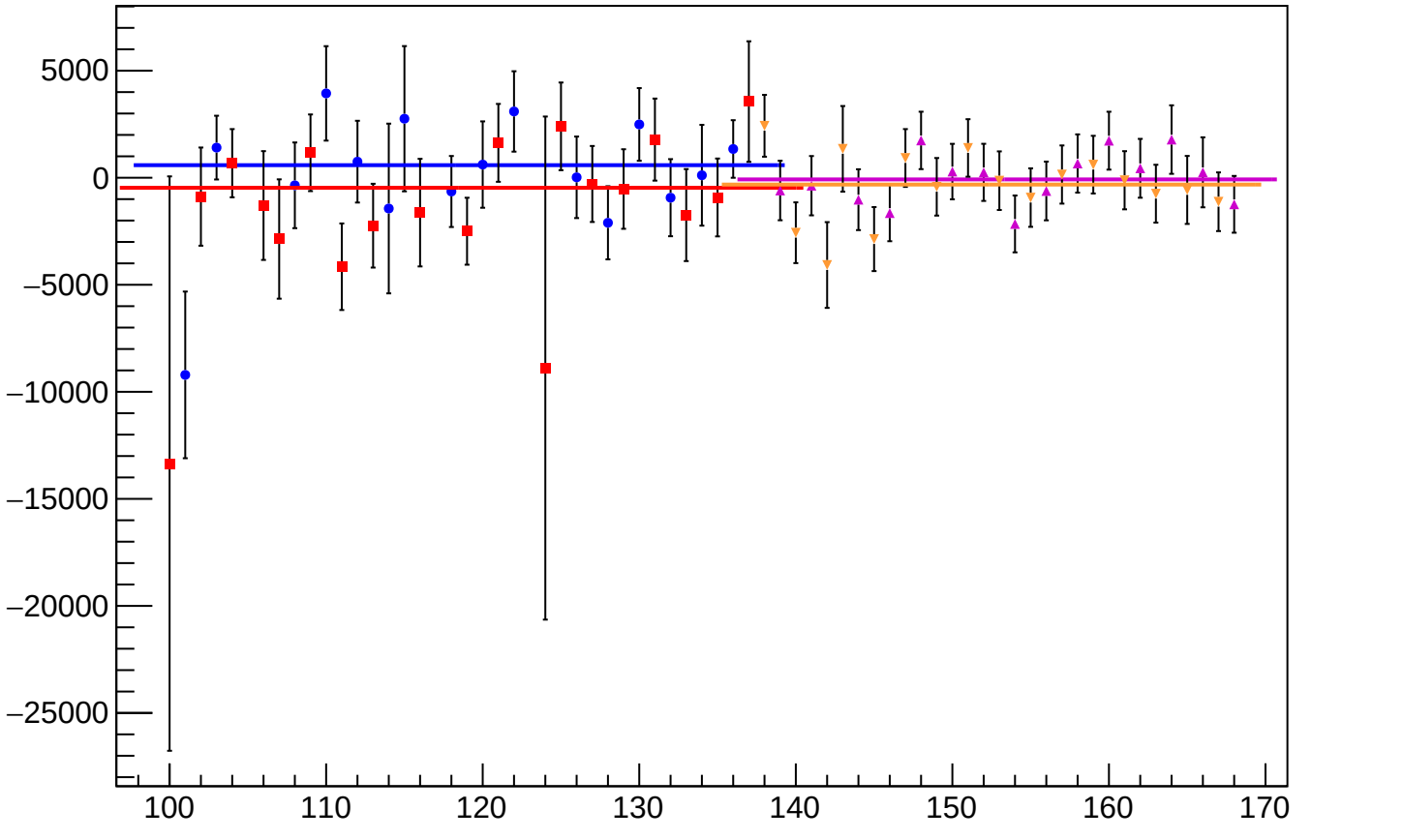
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/30

Out: -0.000+/-0.000 χ^2/NDF:59.3/34

All: 0.000+/-0.000 χ^2/NDF: 86.5/65


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2657632.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1235675.0/14
Left: 0.000+/-0.000 χ²/NDF: 3989843.8/30
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:6331816.4/30
Out: 0.000+/-0.000 χ²/NDF:7857324.6/34
All: 0.000+/-0.000 χ²/NDF: 14211647.3/65



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -78.029+/-356.346 χ^2/NDF:11.0/14

Left: -197.848+/-252.905 χ^2/NDF: 28.3/30

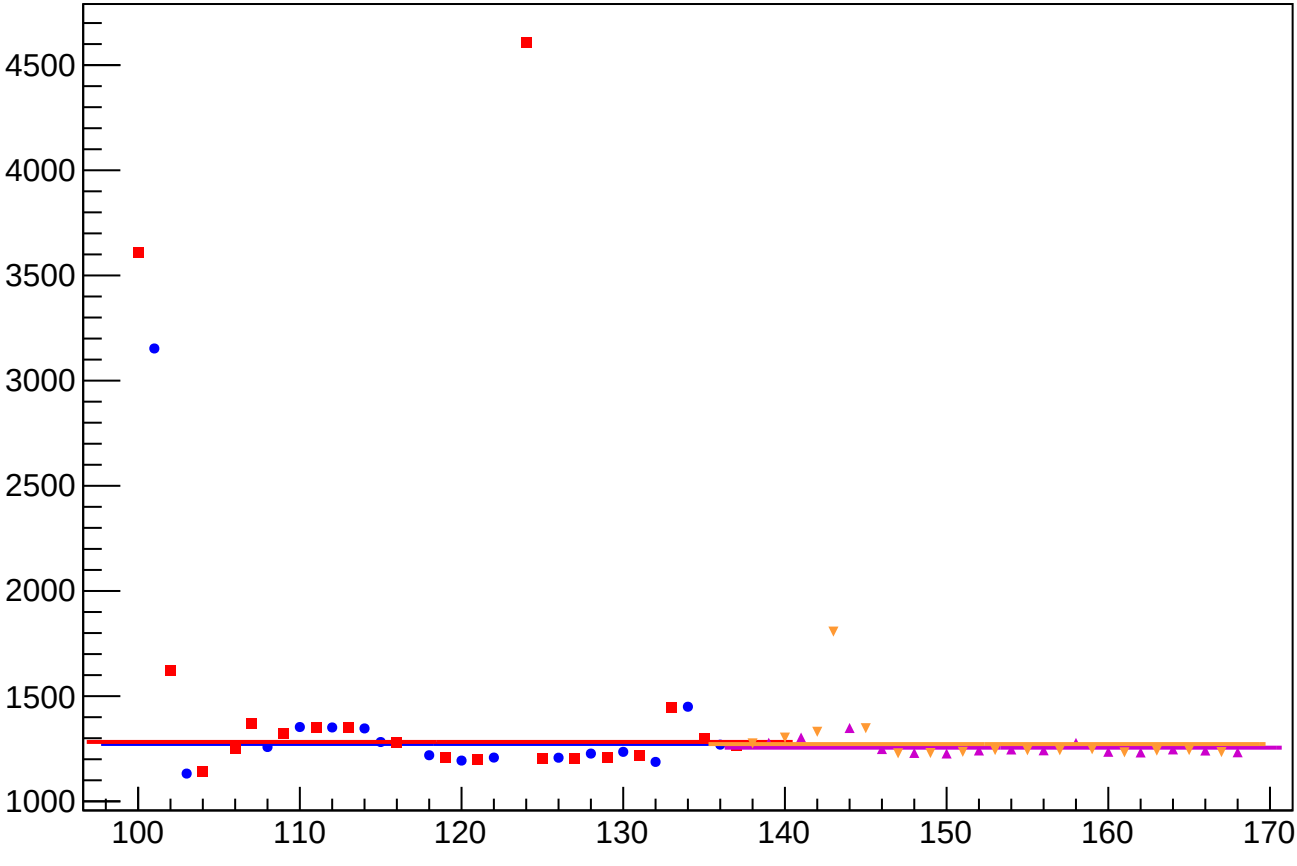
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 156.703+/-286.632 χ^2/NDF:29.3/30

Out: -373.028+/-287.594 χ^2/NDF:33.9/34

All: -107.275+/-203.019 χ^2/NDF: 65.0/65

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

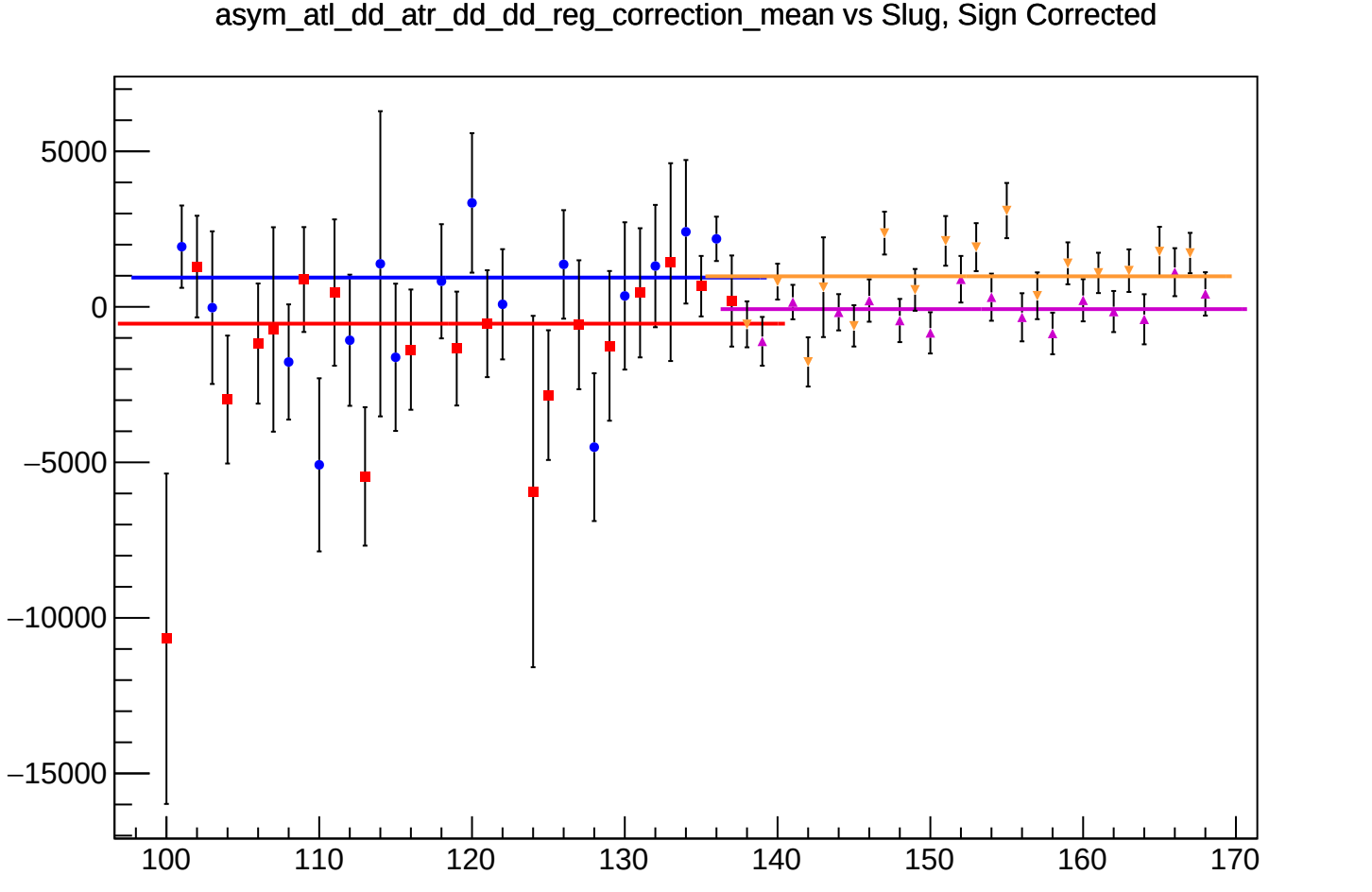
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

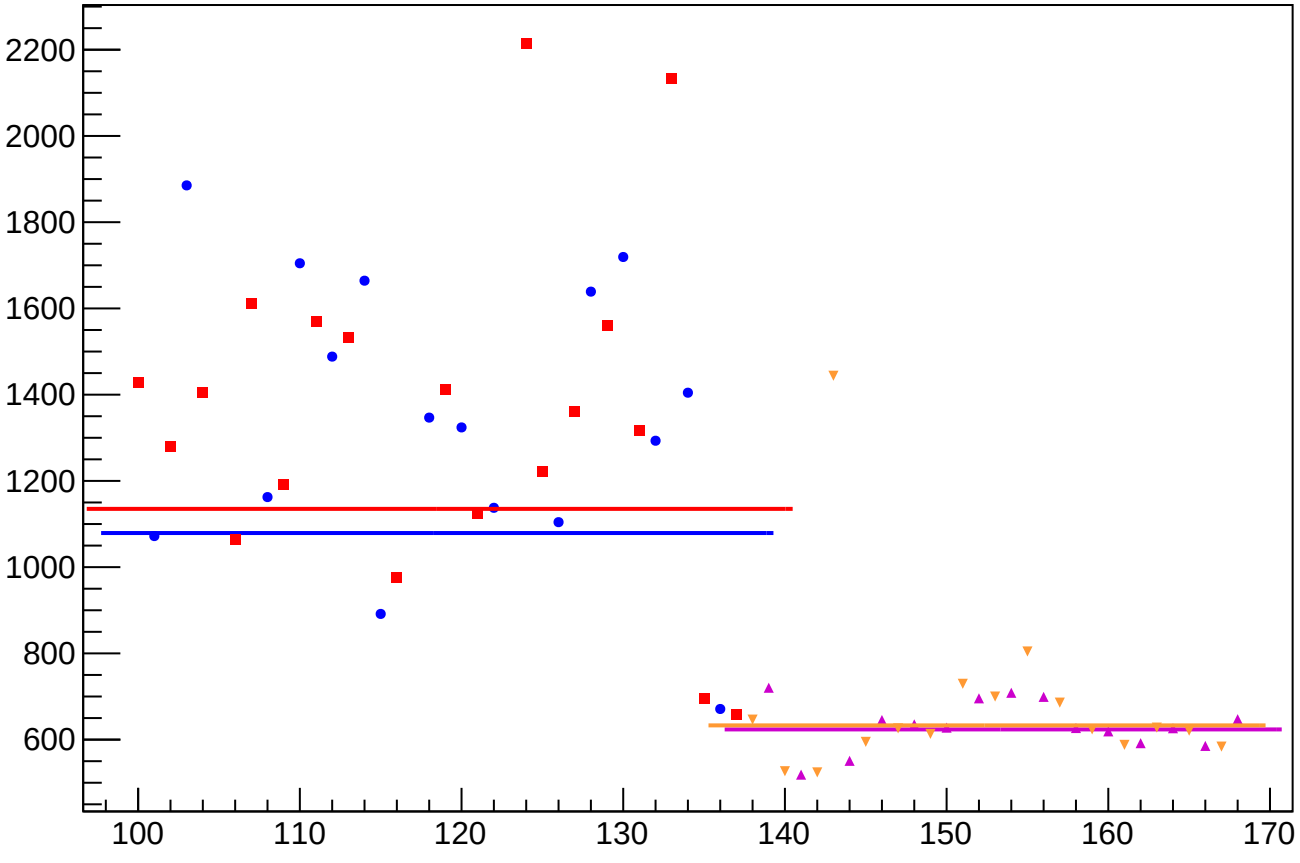
In: 1261.330+/-0.203 χ^2/NDF:537023.7/30

Out: 1275.787+/-0.203 χ^2/NDF:487346.5/34

All: 1268.534+/-0.144 χ^2/NDF: 1026905.6/65


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 981.981+/-181.441 χ²/NDF:39.5/15
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -73.375+/-178.152 χ²/NDF:10.3/14
Left: 444.650+/-127.119 χ²/NDF: 67.1/30
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 77.832+/-164.349 χ²/NDF:35.1/30
Out: 760.615+/-167.734 χ²/NDF:66.9/34
All: 412.265+/-117.391 χ²/NDF: 110.5/65

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: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 623.649+/-0.126 χ^2/NDF:210798.9/14

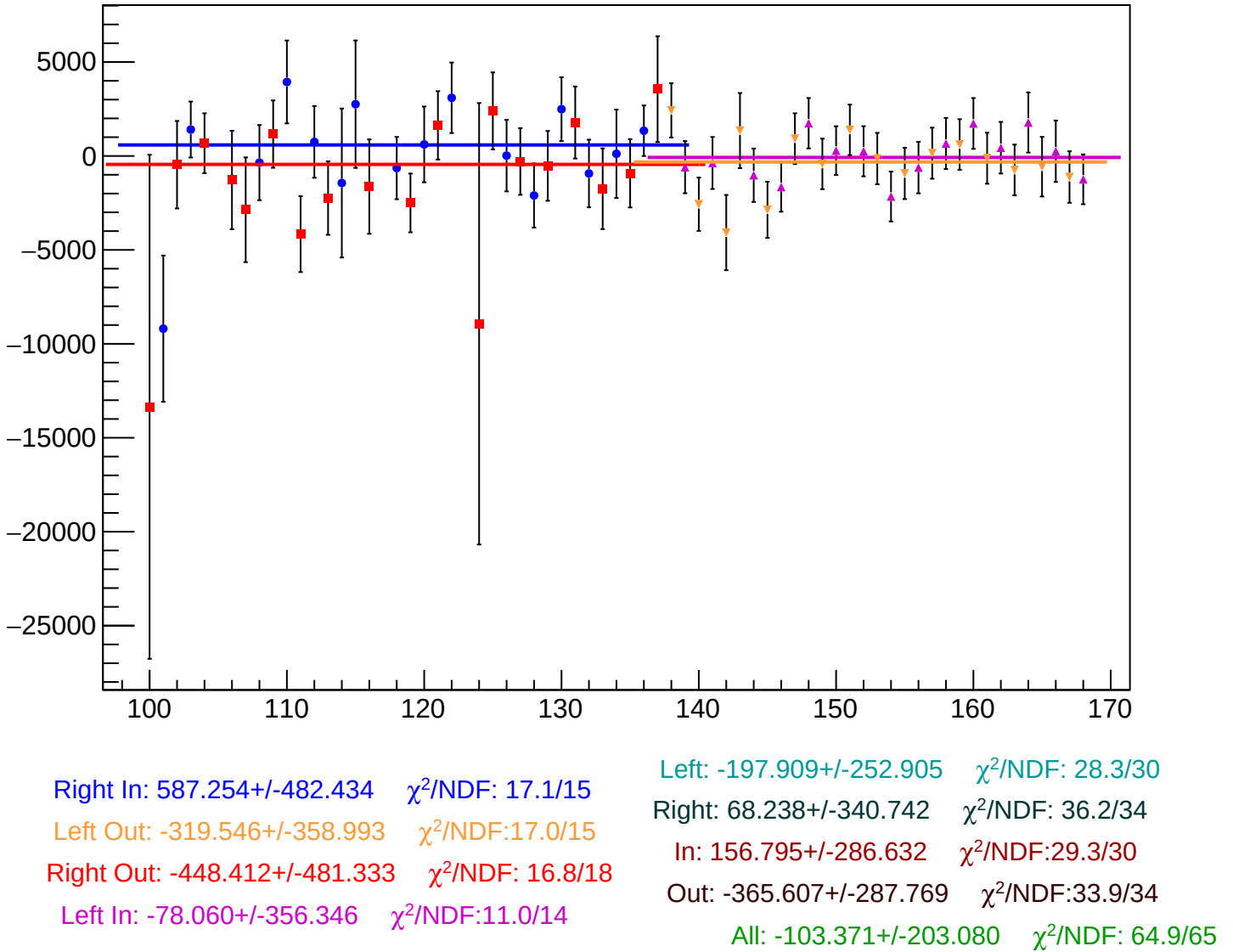
Left: 628.256+/-0.090 χ^2/NDF: 990863.6/30

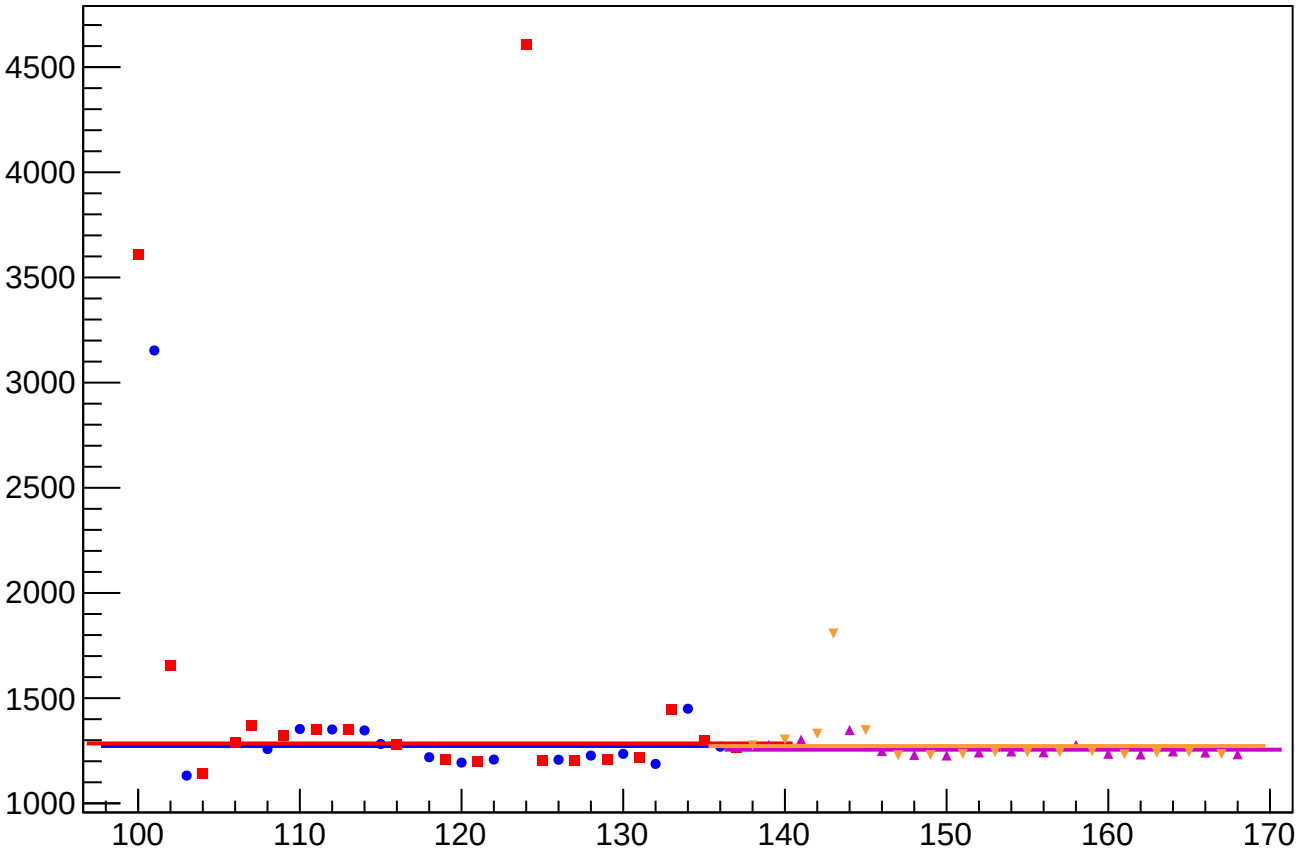
Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 691.492+/-0.116 χ^2/NDF:3640268.4/30

Out: 706.037+/-0.119 χ^2/NDF:4297359.8/34

All: 698.616+/-0.083 χ^2/NDF: 7945300.6/65


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
170
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -319.546+/-358.993 χ²/NDF:17.0/15
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -78.060+/-356.346 χ²/NDF:11.0/14
Left: -197.909+/-252.905 χ²/NDF: 28.3/30
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 156.795+/-286.632 χ²/NDF:29.3/30
Out: -365.607+/-287.769 χ²/NDF:33.9/34
All: -103.371+/-203.080 χ²/NDF: 64.9/65



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

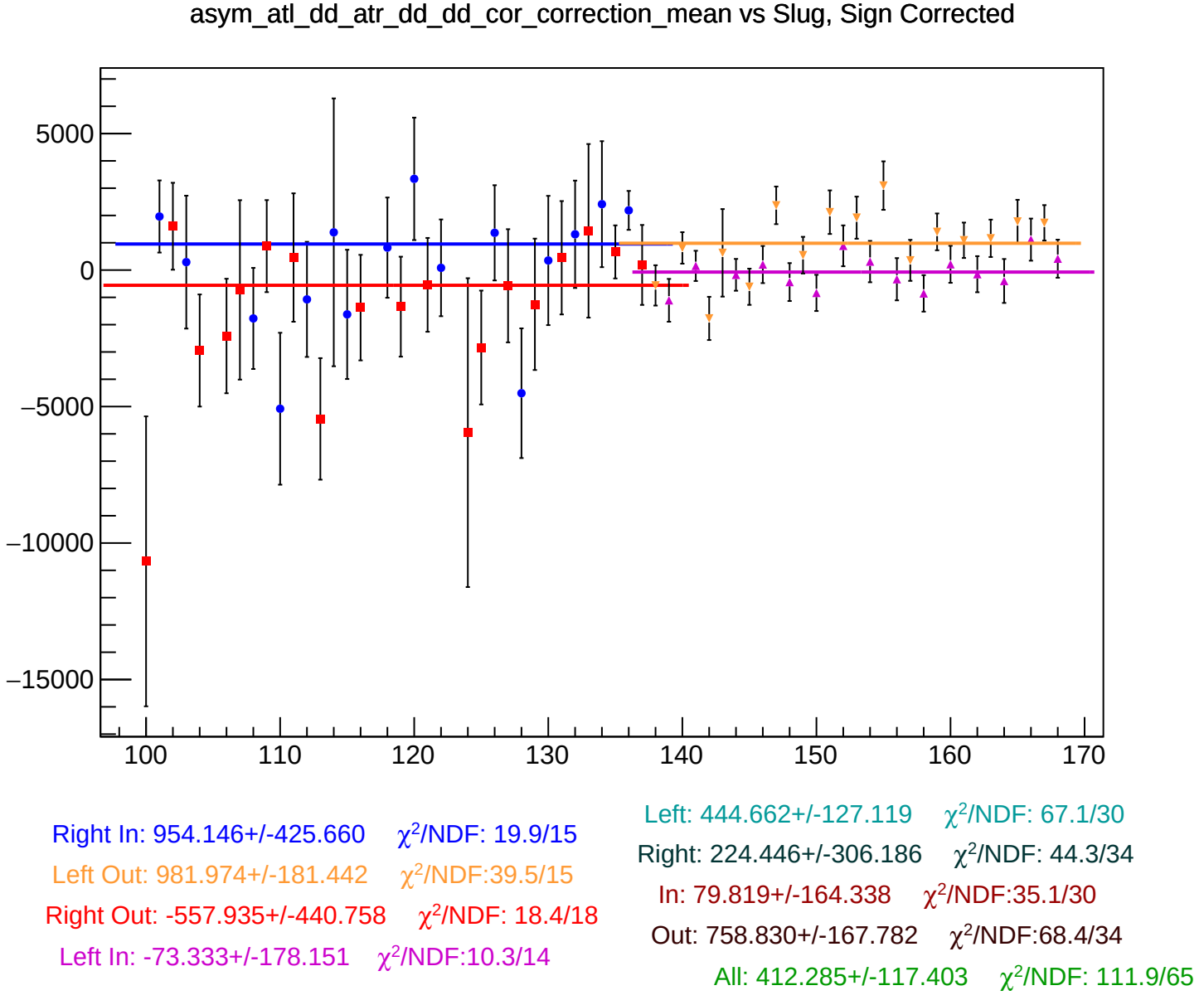
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

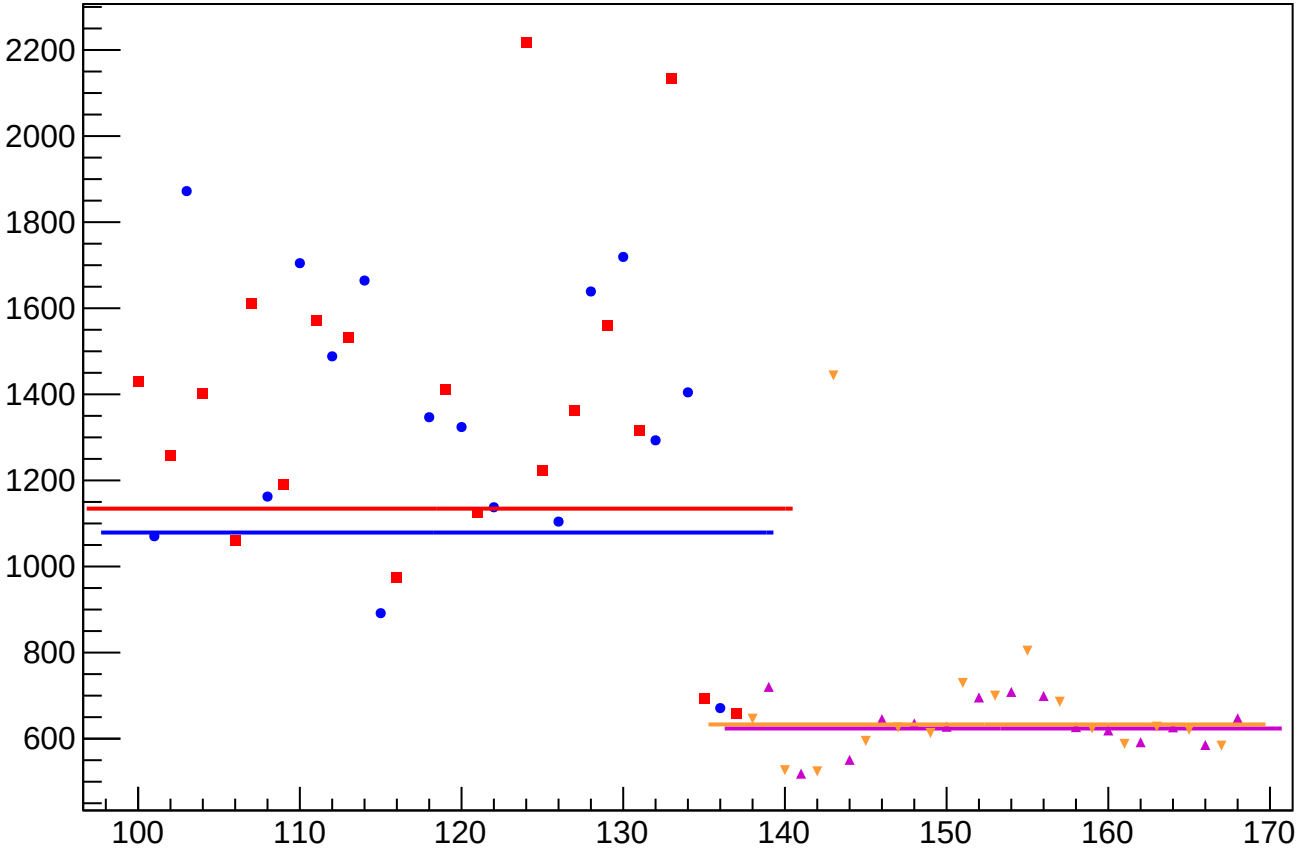
In: 1261.330+/-0.203 χ^2/NDF:537025.1/30

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65


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
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 981.974+/-181.442 χ²/NDF:39.5/15
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -73.333+/-178.151 χ²/NDF:10.3/14
Left: 444.662+/-127.119 χ²/NDF: 67.1/30
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 79.819+/-164.338 χ²/NDF:35.1/30
Out: 758.830+/-167.782 χ²/NDF:68.4/34
All: 412.285+/-117.403 χ²/NDF: 111.9/65

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: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

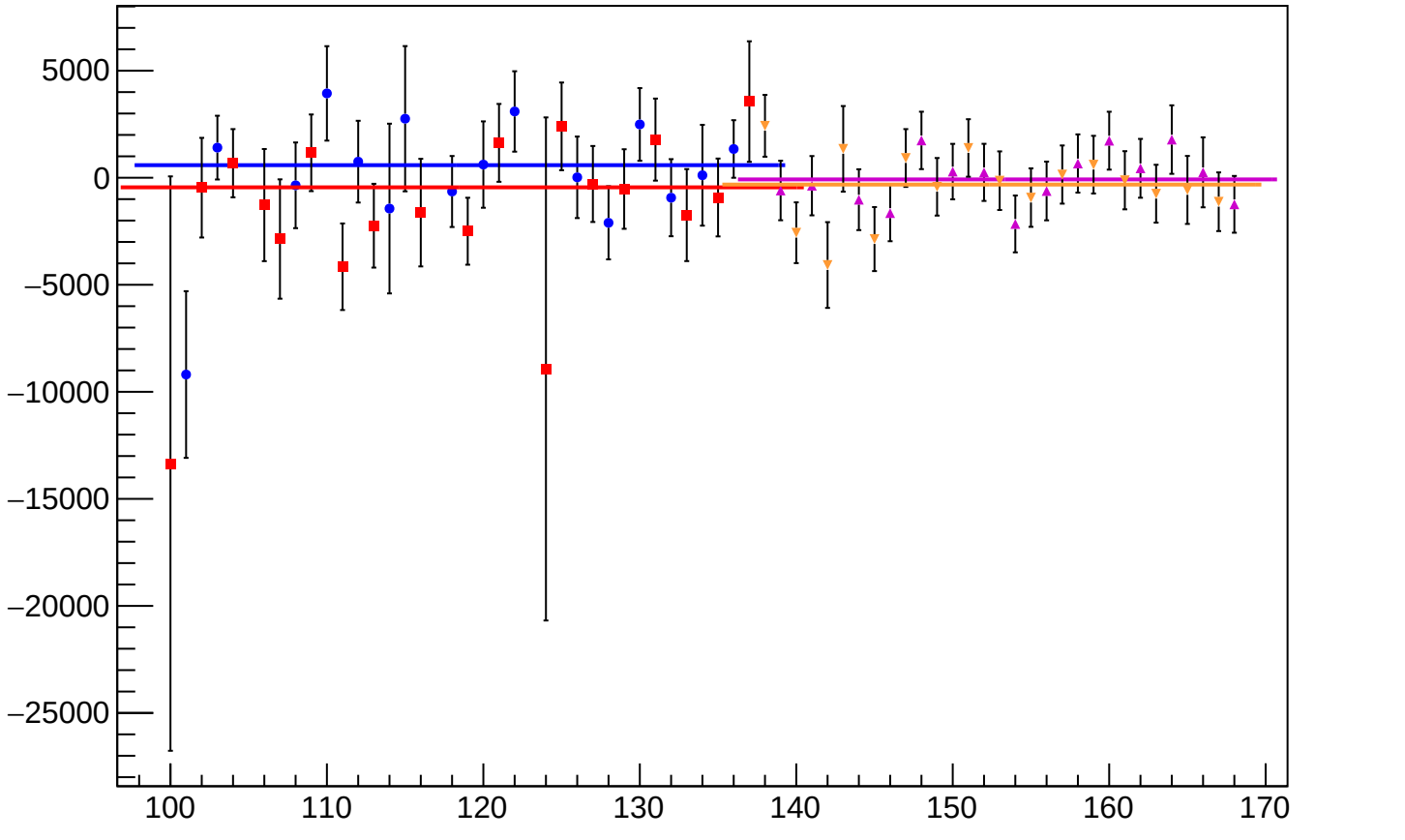
Left: 628.257+/-0.090 χ^2/NDF: 990803.2/30

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 691.509+/-0.116 χ^2/NDF:3636581.2/30

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.546+/-358.993 χ^2/NDF:17.0/15

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -78.060+/-356.346 χ^2/NDF:11.0/14

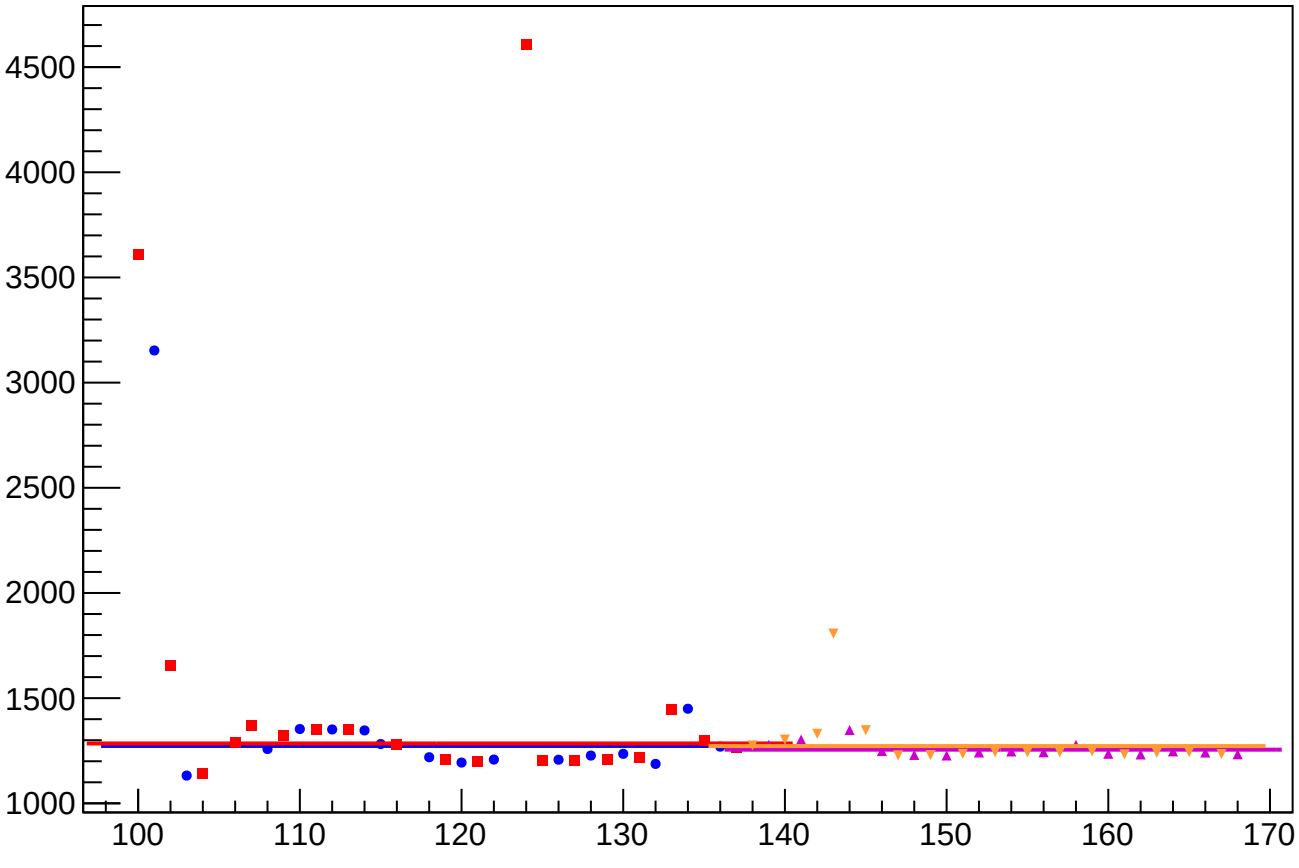
Left: -197.909+/-252.905 χ^2/NDF: 28.3/30

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 156.795+/-286.632 χ^2/NDF:29.3/30

Out: -365.607+/-287.769 χ^2/NDF:33.9/34

All: -103.371+/-203.080 χ^2/NDF: 64.9/65



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

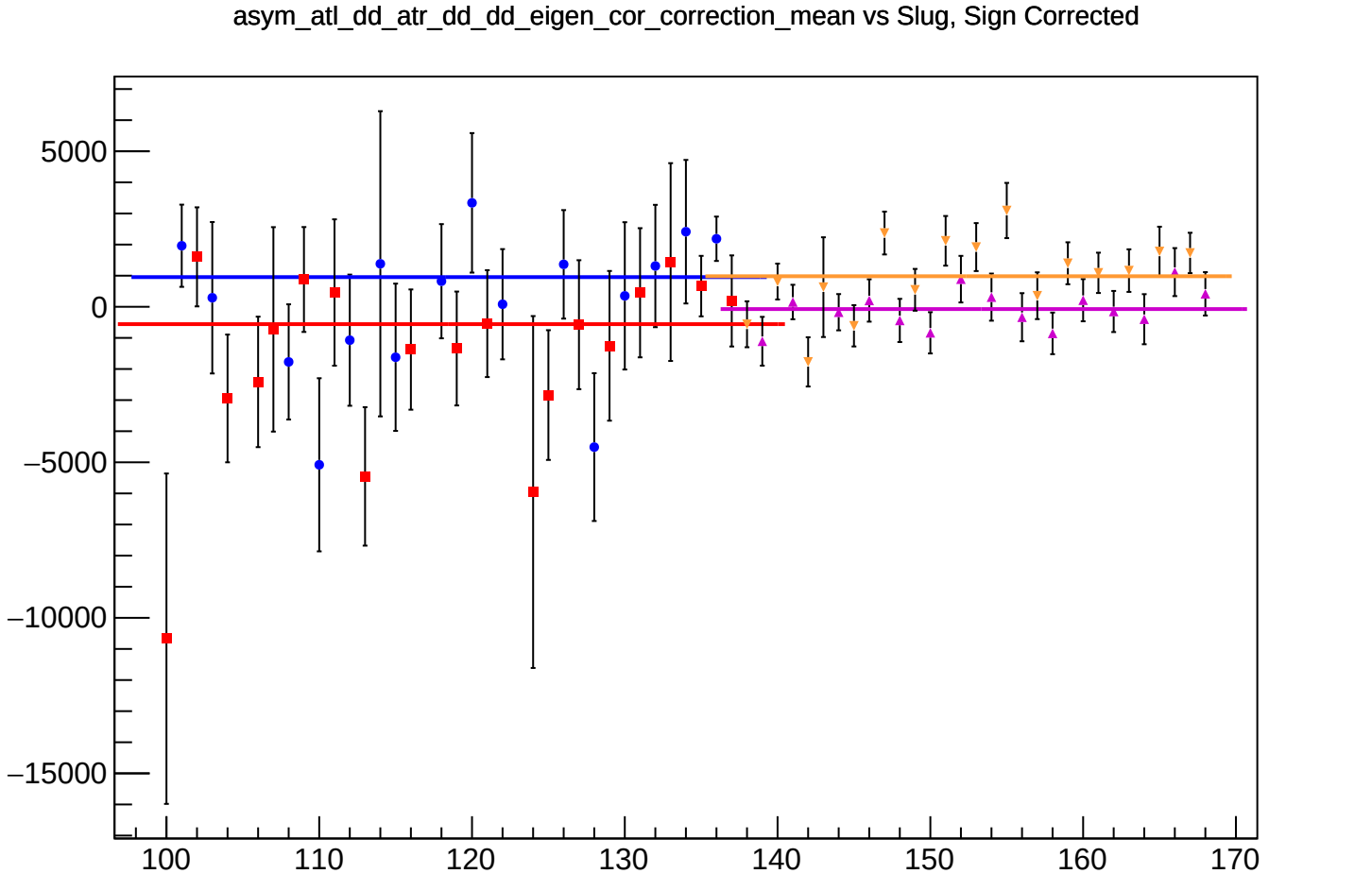
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1261.330+/-0.203 χ^2/NDF:537025.1/30

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 981.974+/-181.442 χ^2/NDF:39.5/15

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -73.333+/-178.151 χ^2/NDF:10.3/14

Left: 444.662+/-127.119 χ^2/NDF: 67.1/30

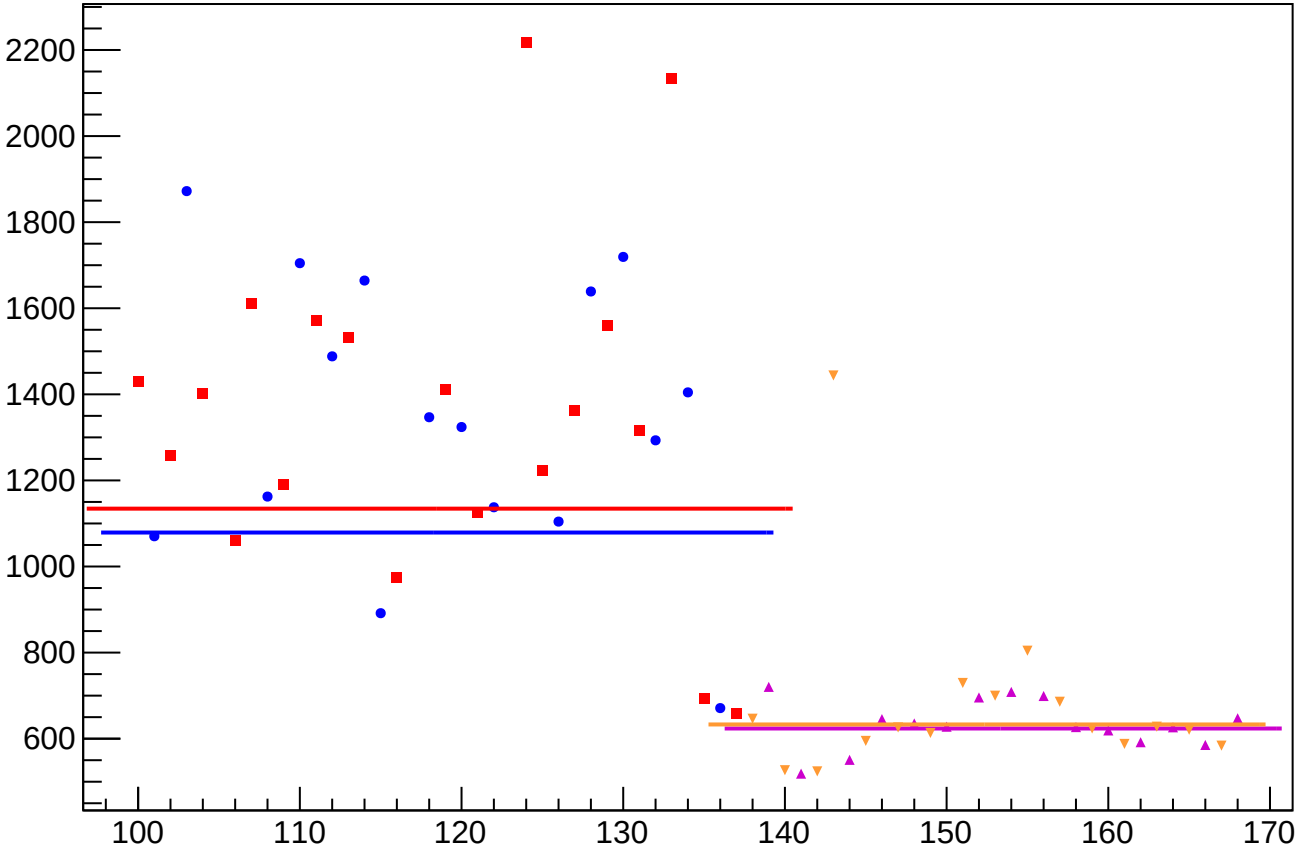
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 79.819+/-164.338 χ^2/NDF:35.1/30

Out: 758.830+/-167.782 χ^2/NDF:68.4/34

All: 412.285+/-117.403 χ^2/NDF: 111.9/65

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: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

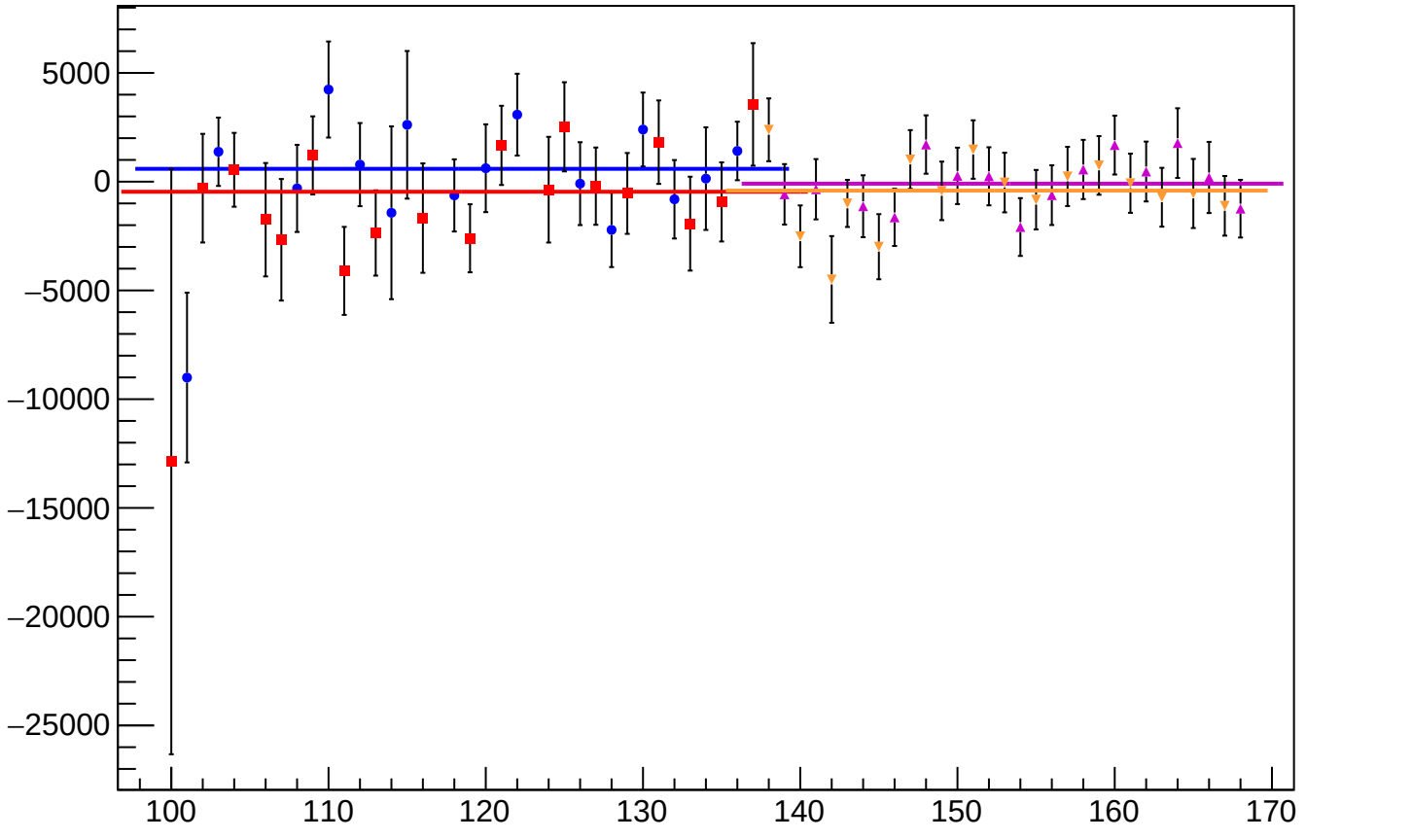
Left: 628.257+/-0.090 χ^2/NDF: 990803.2/30

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 691.509+/-0.116 χ^2/NDF:3636581.2/30

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -411.517+/-346.050 χ^2/NDF:18.0/15

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -92.917+/-356.647 χ^2/NDF:10.7/14

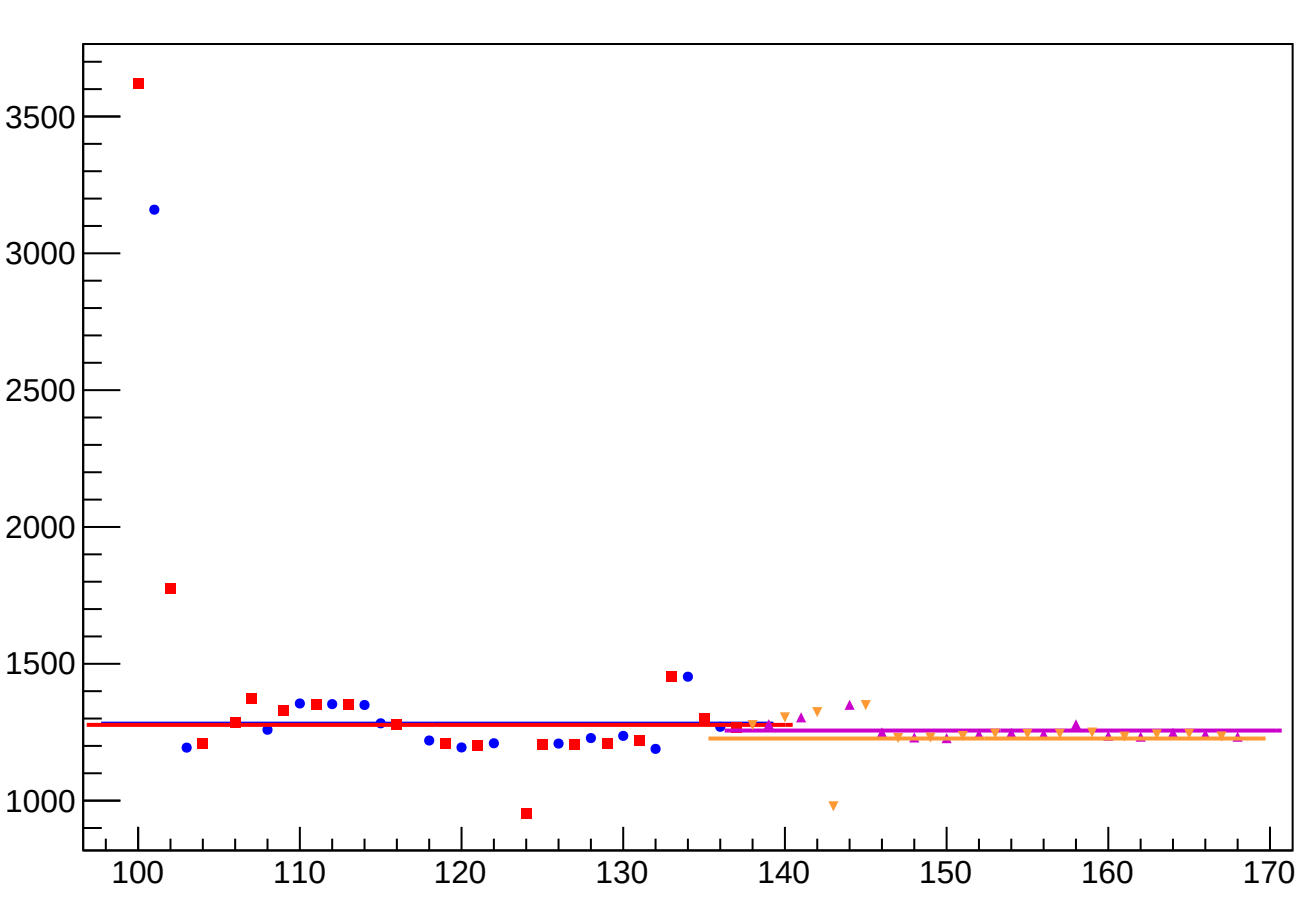
Left: -257.021+/-248.356 χ^2/NDF: 29.1/30

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 146.565+/-287.425 χ^2/NDF:29.1/30

Out: -429.144+/-280.062 χ^2/NDF:34.7/34

All: -148.758+/-200.586 χ^2/NDF: 65.8/65



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

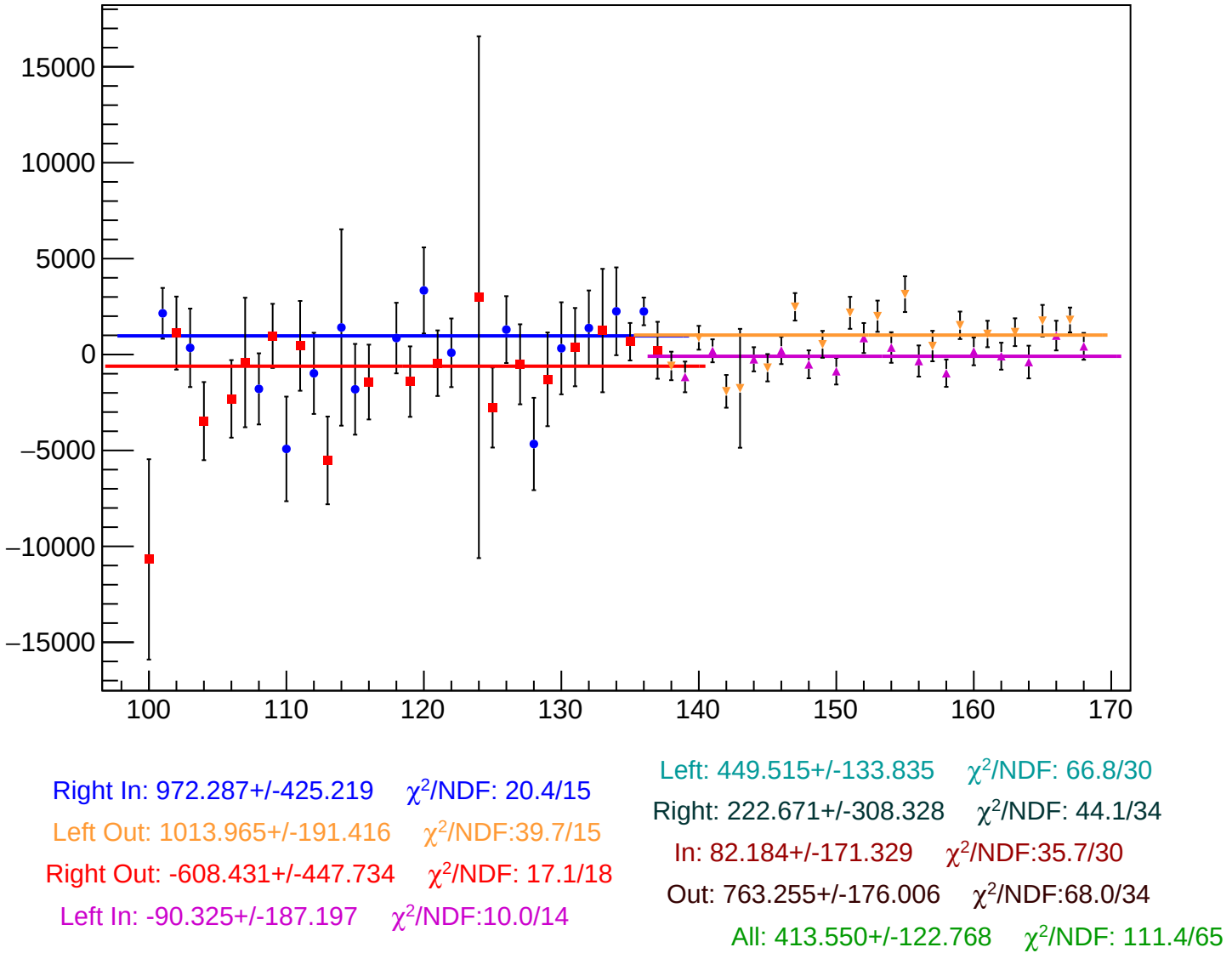
Left: 1241.117+/-0.176 χ^2/NDF: 155761.1/30

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1264.973+/-0.203 χ^2/NDF:526687.5/30

Out: 1244.195+/-0.198 χ^2/NDF:367634.5/34

All: 1254.315+/-0.142 χ^2/NDF: 899683.3/65


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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−5000
−10000
−15000
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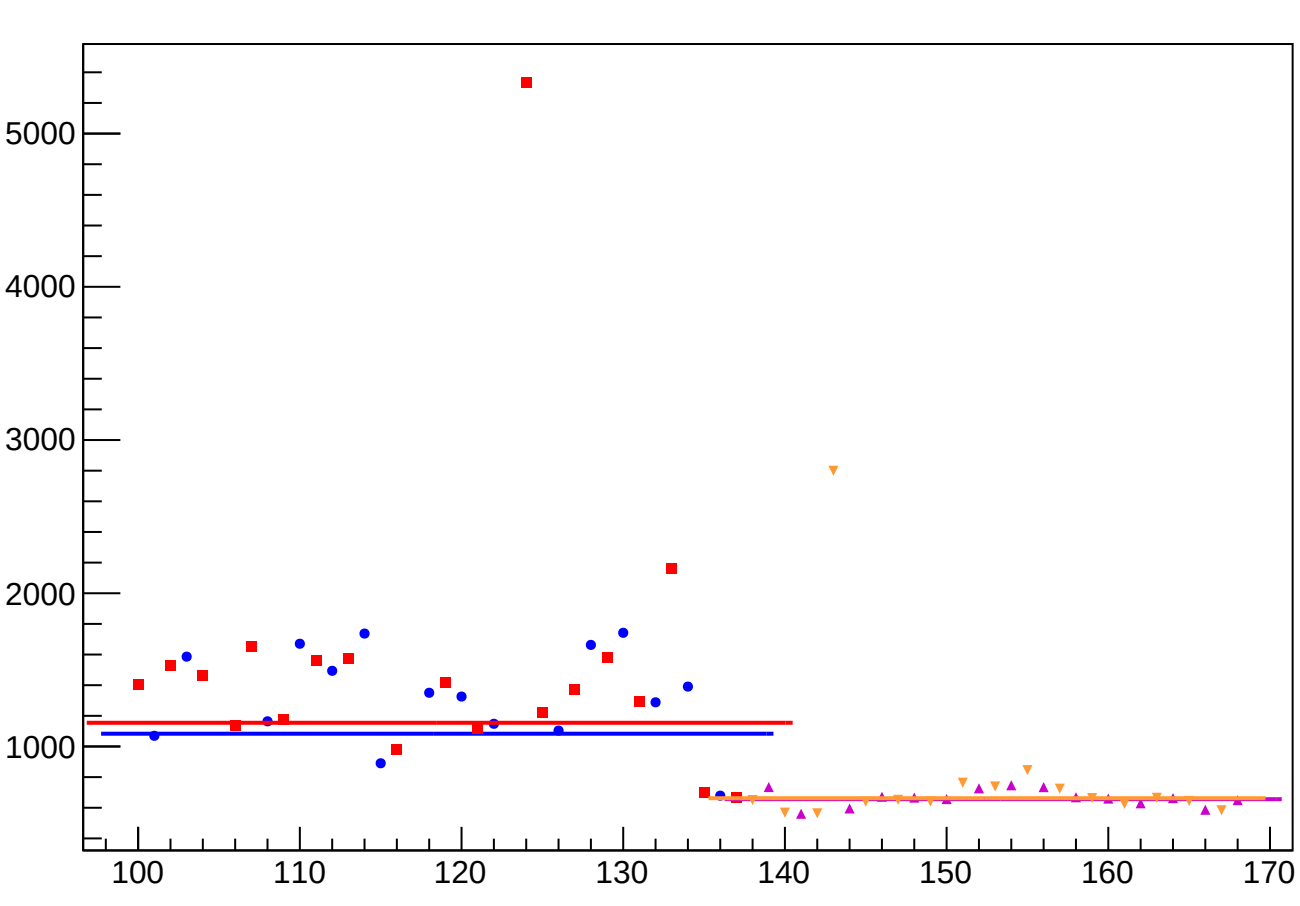
130
140
150
160
170
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 1013.965+/-191.416 χ²/NDF:39.7/15
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -90.325+/-187.197 χ²/NDF:10.0/14
Left: 449.515+/-133.835 χ²/NDF: 66.8/30
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 82.184+/-171.329 χ²/NDF:35.7/30
Out: 763.255+/-176.006 χ²/NDF:68.0/34
All: 413.550+/-122.768 χ²/NDF: 111.4/65



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 662.334+/-0.135 χ^2/NDF:1200765.2/15

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.018+/-0.132 χ^2/NDF:170758.2/14

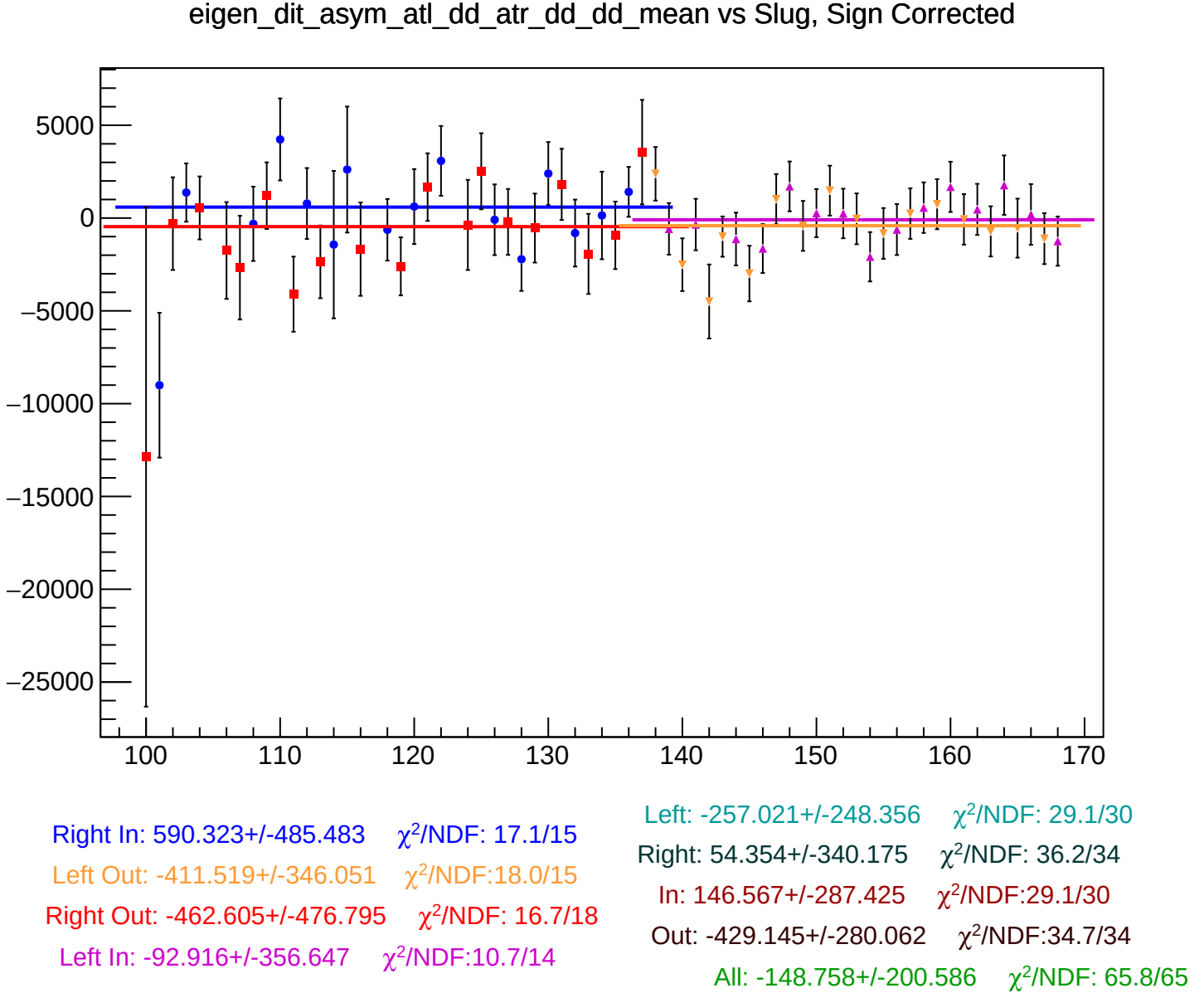
Left: 659.106+/-0.095 χ^2/NDF: 1372636.7/30

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 725.390+/-0.121 χ^2/NDF:3222797.7/30

Out: 738.424+/-0.124 χ^2/NDF:4734130.4/34

All: 731.731+/-0.087 χ^2/NDF: 7962559.3/65


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
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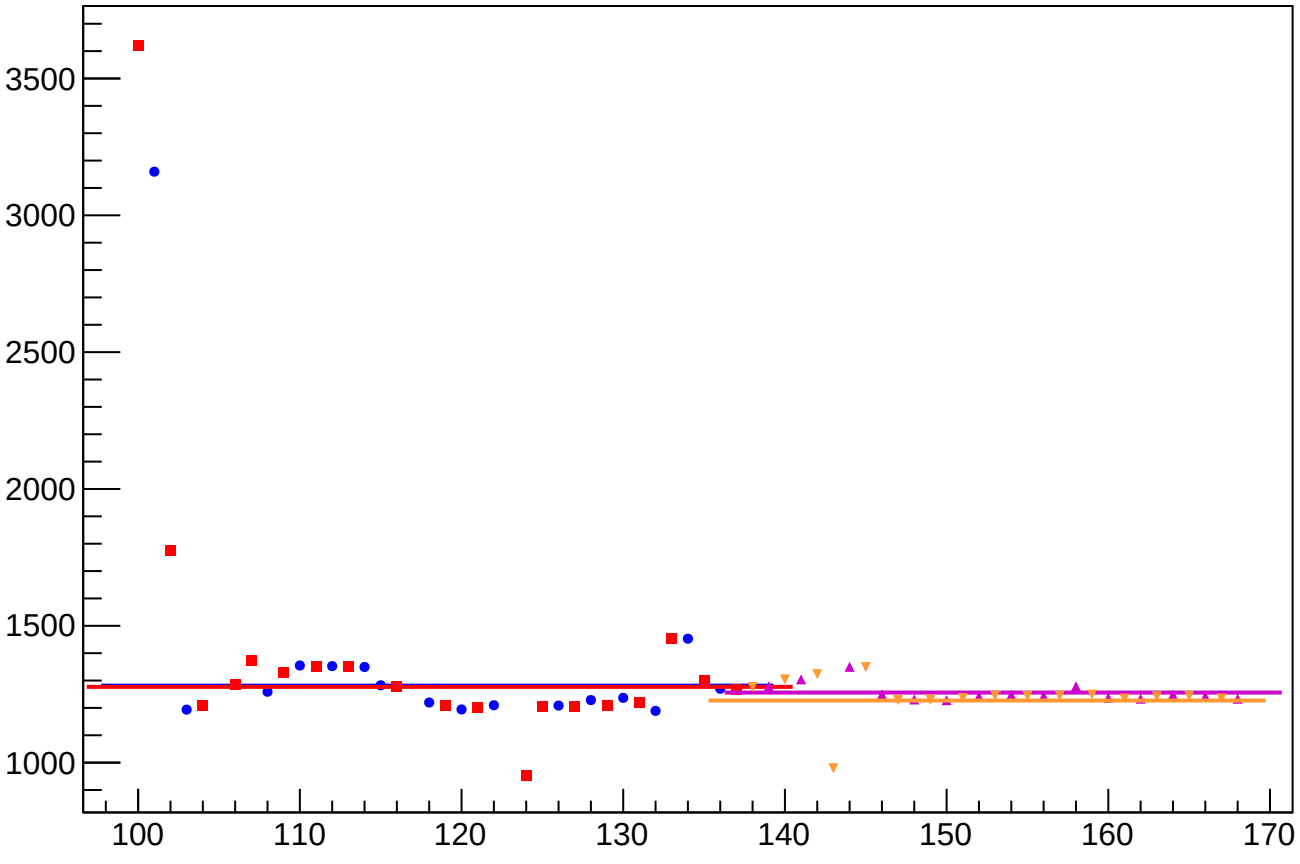
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.519+/-346.051 χ²/NDF:18.0/15
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -92.916+/-356.647 χ²/NDF:10.7/14
Left: -257.021+/-248.356 χ²/NDF: 29.1/30
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 146.567+/-287.425 χ²/NDF:29.1/30
Out: -429.145+/-280.062 χ²/NDF:34.7/34
All: -148.758+/-200.586 χ²/NDF: 65.8/65



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.989+/-0.245 χ^2/NDF:132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

Left: 1241.117+/-0.176 χ^2/NDF: 155760.3/30

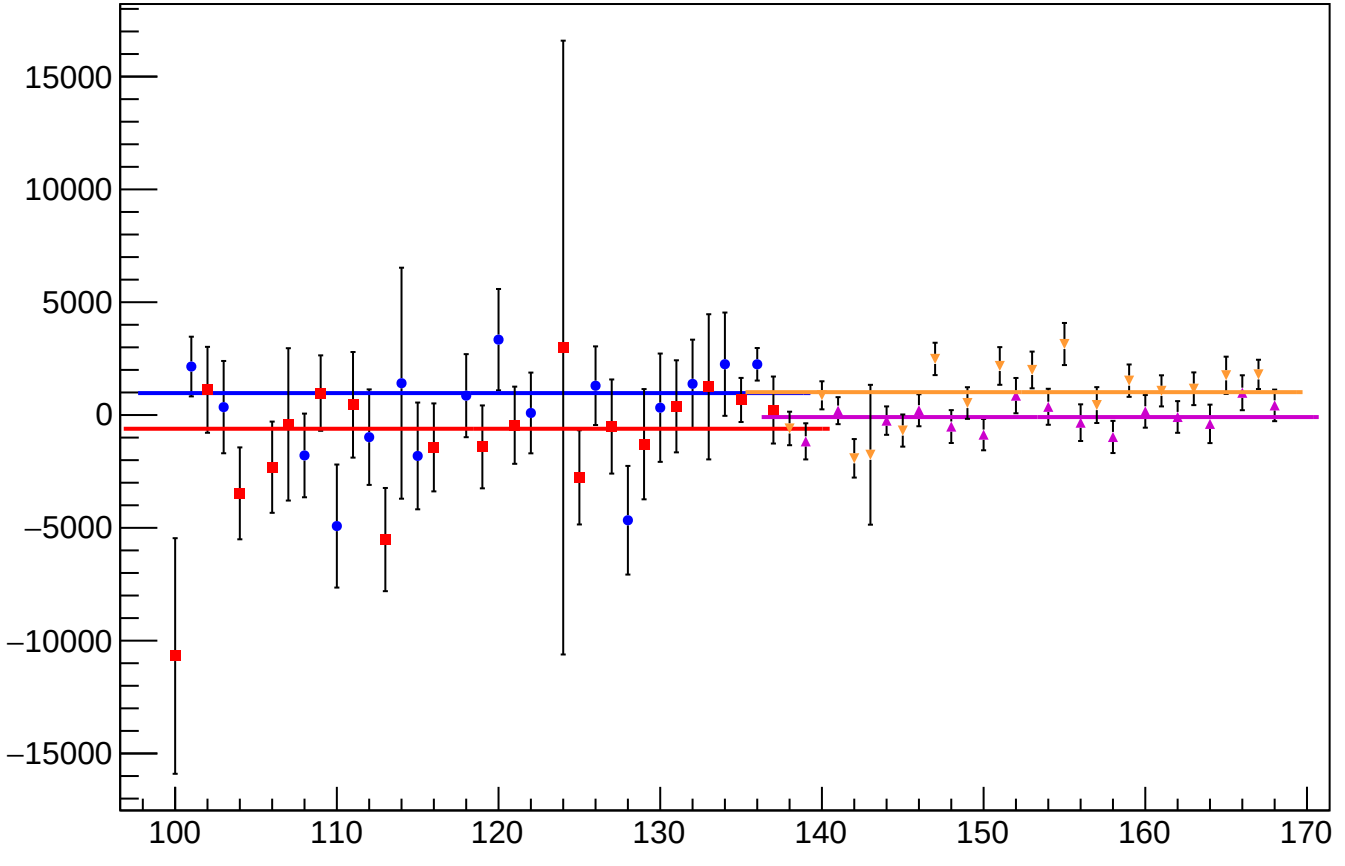
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1264.973+/-0.203 χ^2/NDF:526687.6/30

Out: 1244.195+/-0.198 χ^2/NDF:367633.5/34

All: 1254.315+/-0.142 χ^2/NDF: 899682.4/65

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: 1013.967+/-191.416 χ^2/NDF:39.7/15

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -90.323+/-187.197 χ^2/NDF:10.0/14

Left: 449.516+/-133.835 χ^2/NDF: 66.8/30

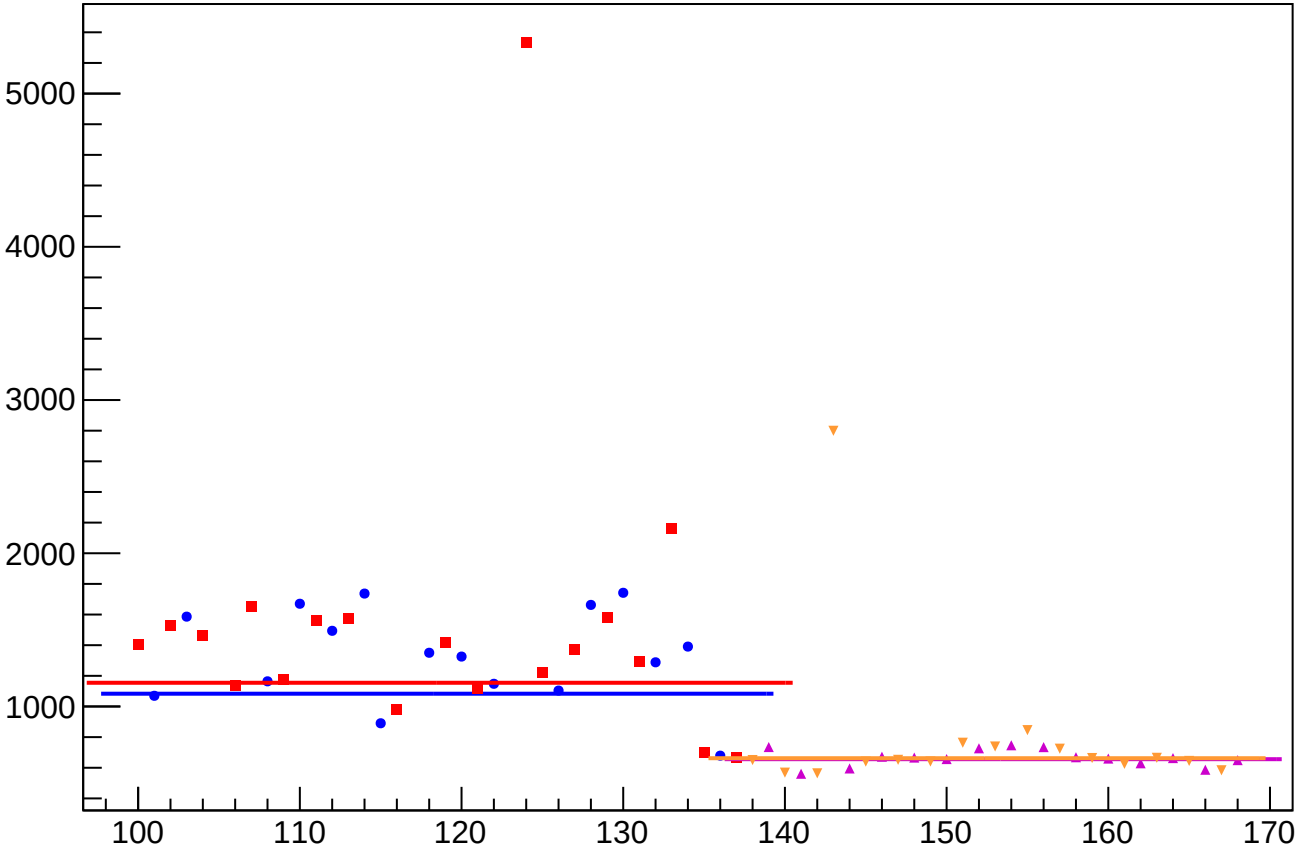
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 82.183+/-171.329 χ^2/NDF:35.7/30

Out: 763.257+/-176.006 χ^2/NDF:68.0/34

All: 413.551+/-122.768 χ^2/NDF: 111.4/65

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: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.017+/-0.132 χ^2/NDF:170761.7/14

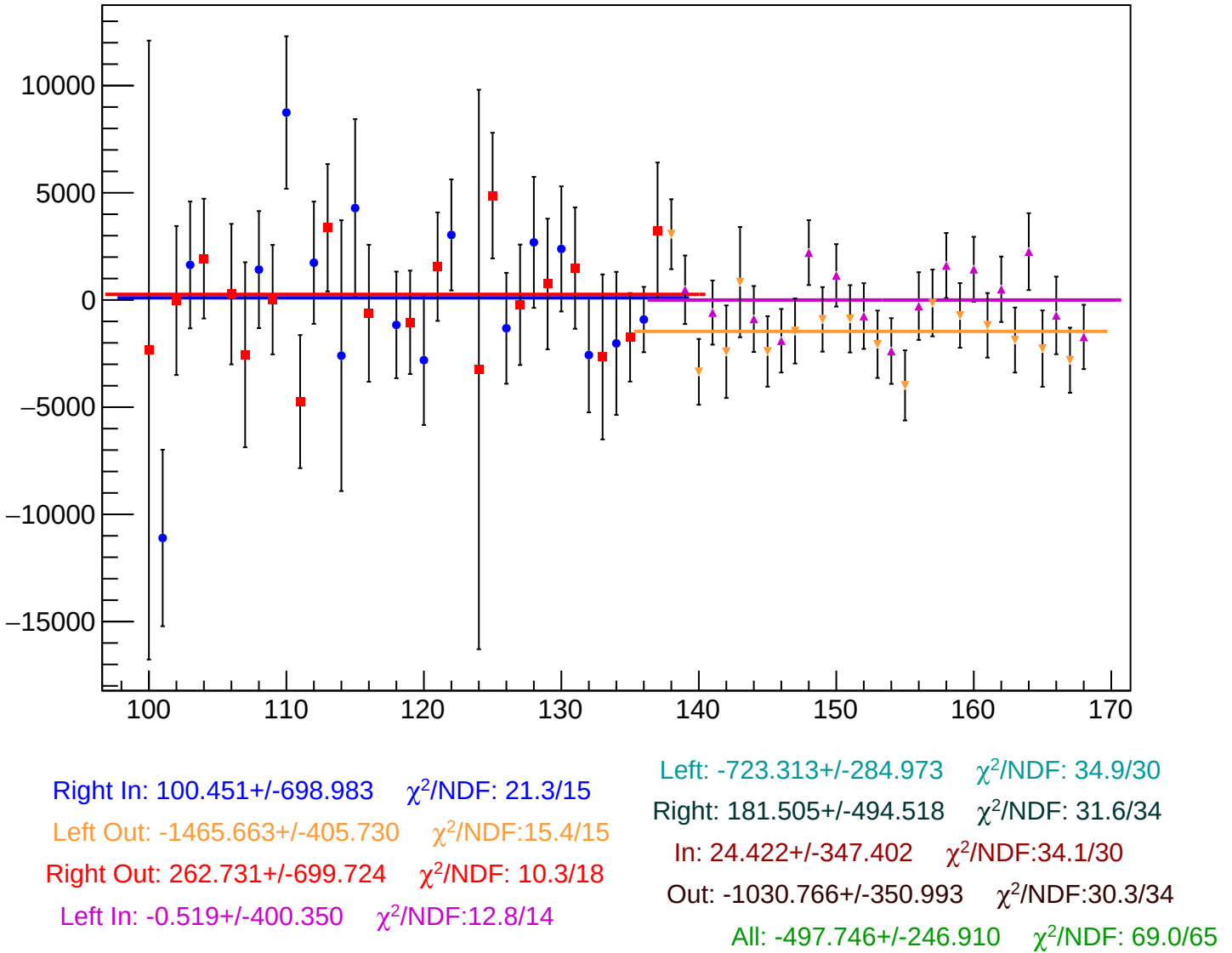
Left: 659.105+/-0.095 χ^2/NDF: 1372635.5/30

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

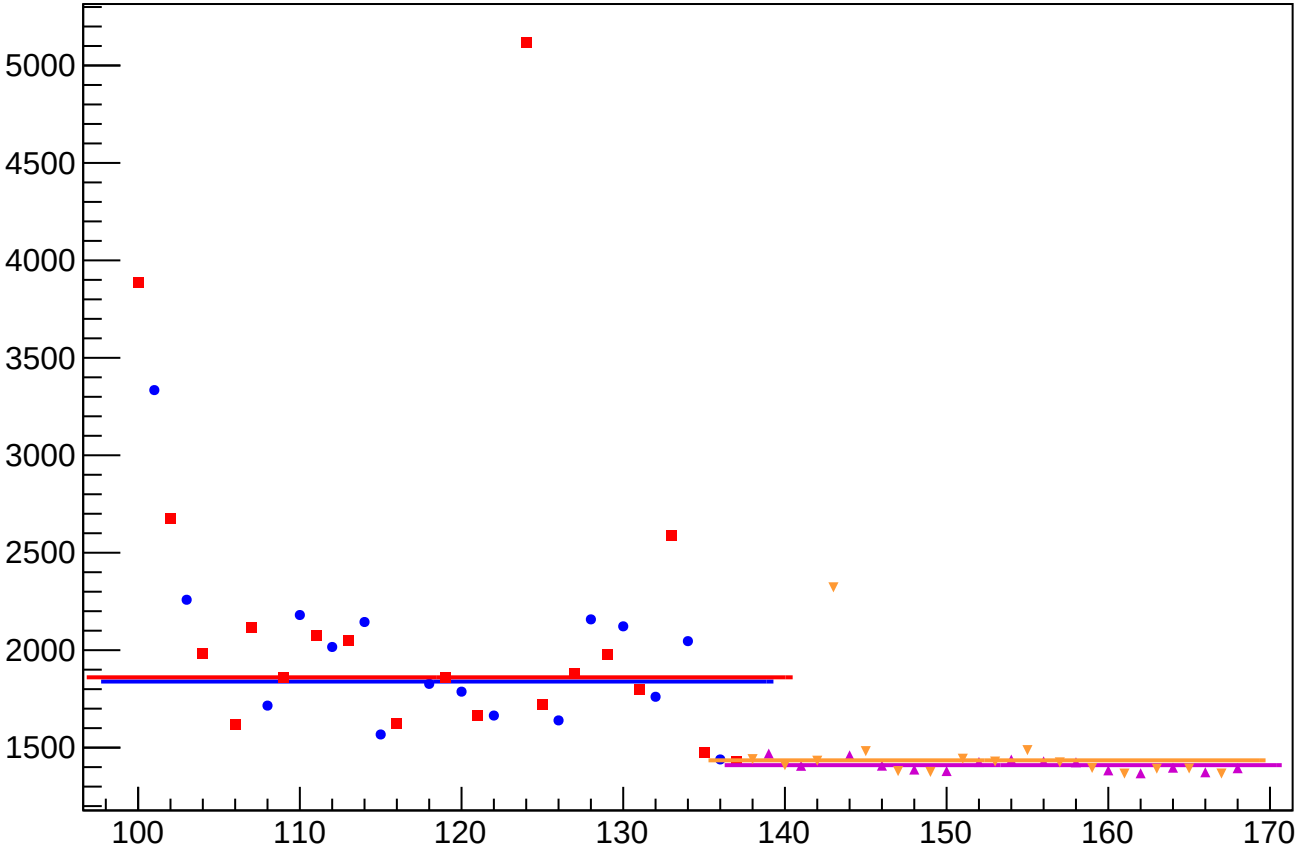
In: 725.390+/-0.121 χ^2/NDF:3222788.4/30

Out: 738.425+/-0.124 χ^2/NDF:4734114.7/34

All: 731.732+/-0.087 χ^2/NDF: 7962535.2/65


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1465.663+/-405.730 χ²/NDF:15.4/15
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: -0.519+/-400.350 χ²/NDF:12.8/14
Left: -723.313+/-284.973 χ²/NDF: 34.9/30
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 24.422+/-347.402 χ²/NDF:34.1/30
Out: -1030.766+/-350.993 χ²/NDF:30.3/34
All: -497.746+/-246.910 χ²/NDF: 69.0/65

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: 1434.806+/-0.287 χ^2/NDF:260489.2/15

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1410.081+/-0.283 χ^2/NDF:10863.4/14

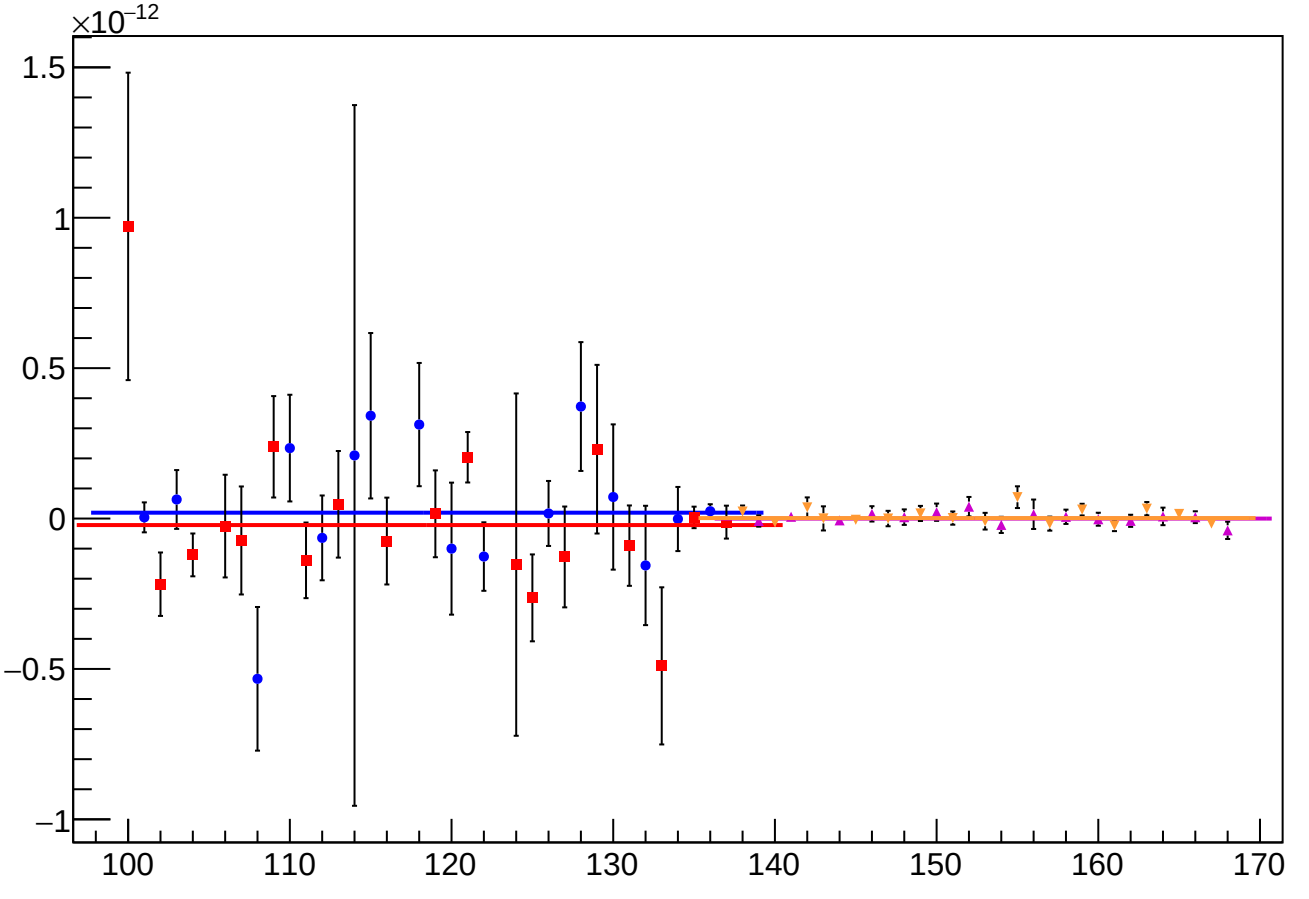
Left: 1422.278+/-0.202 χ^2/NDF: 275115.8/30

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1516.060+/-0.246 χ^2/NDF:1134953.3/30

Out: 1541.984+/-0.248 χ^2/NDF:1337254.6/34

All: 1528.889+/-0.175 χ^2/NDF: 2477719.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/14

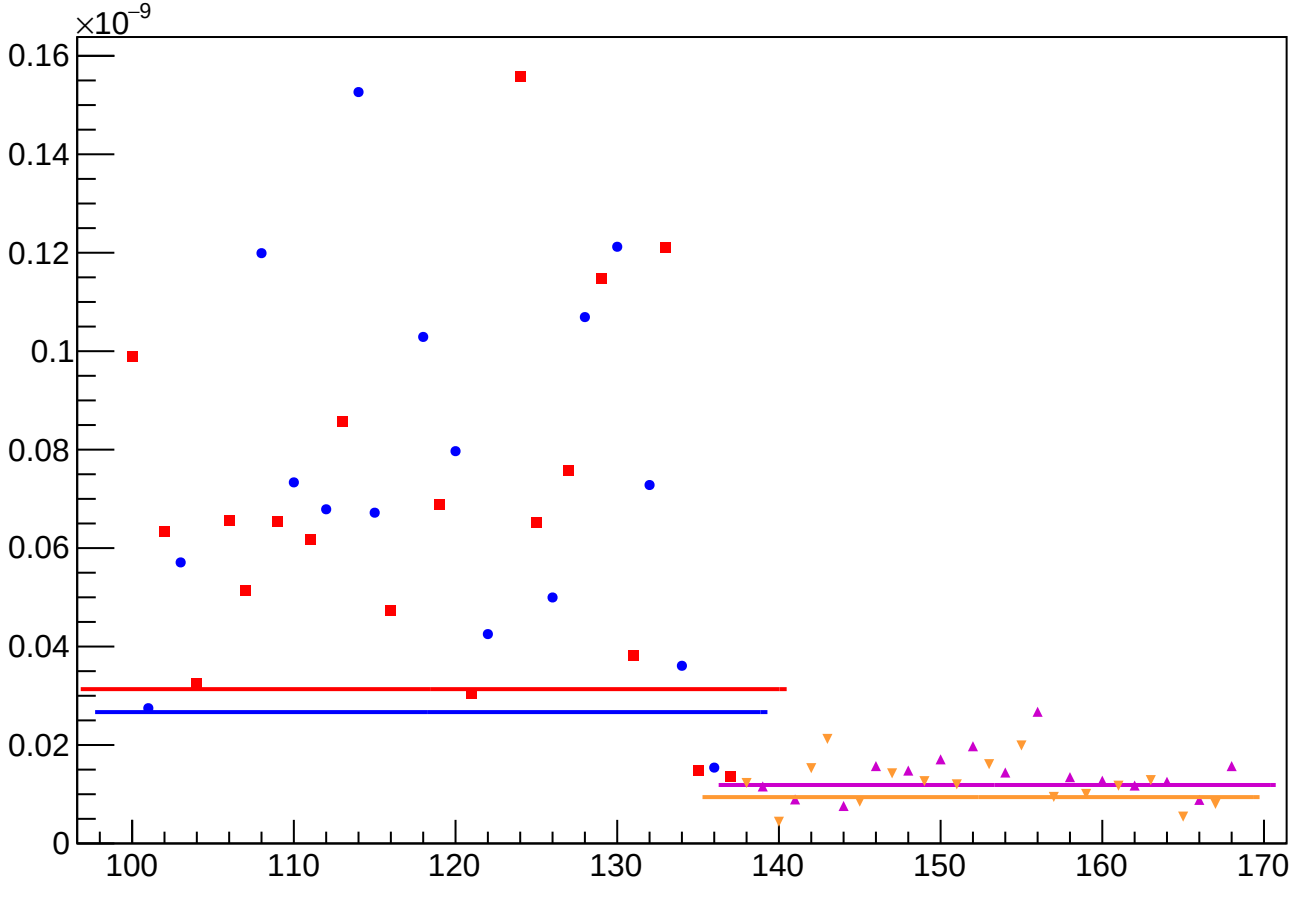
Left: 0.000+/-0.000 χ^2/NDF: 22.9/30

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:23.3/30

Out: 0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1356581.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:824887.8/14

Left: 0.000+/-0.000 χ^2/NDF: 2396185.7/30

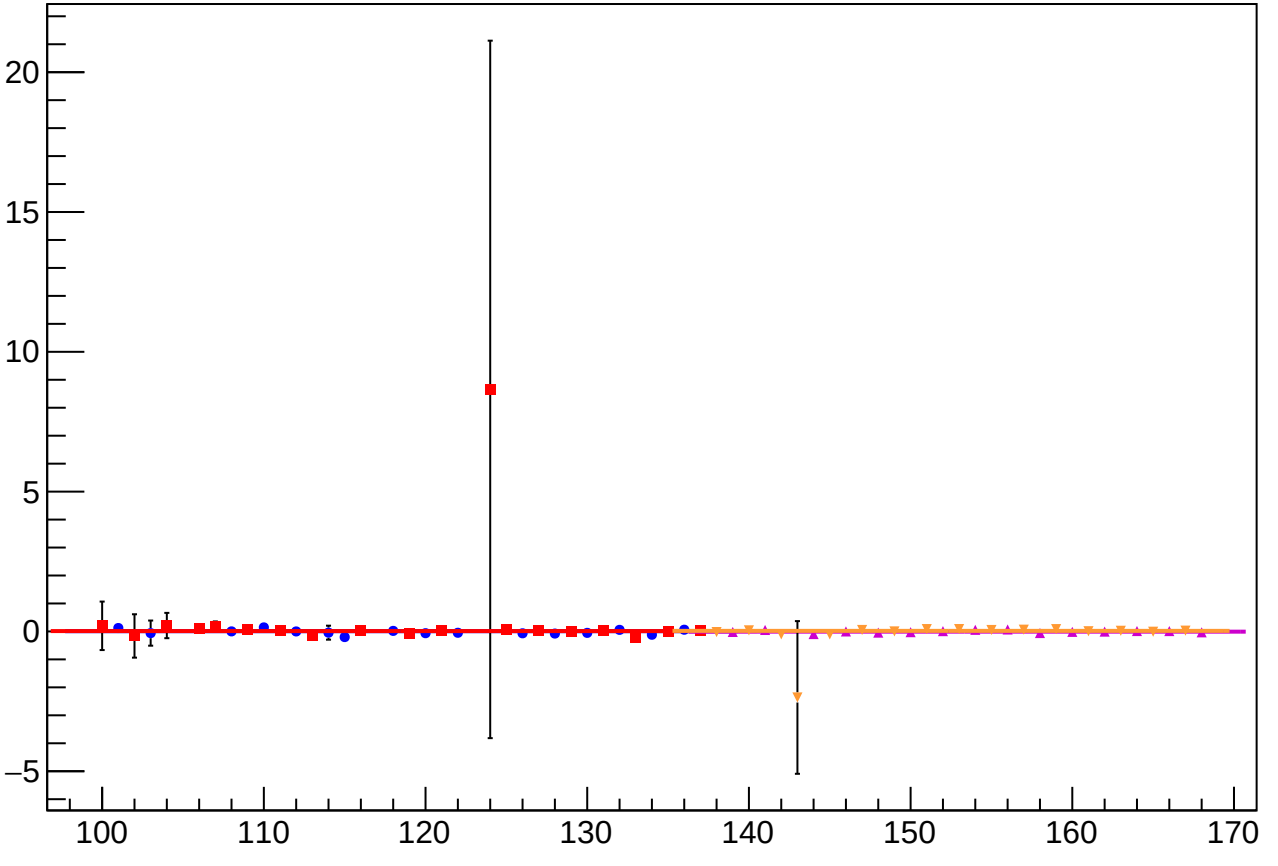
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4540742.8/30

Out: 0.000+/-0.000 χ^2/NDF:5478948.6/34

All: 0.000+/-0.000 χ^2/NDF: 10299942.4/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

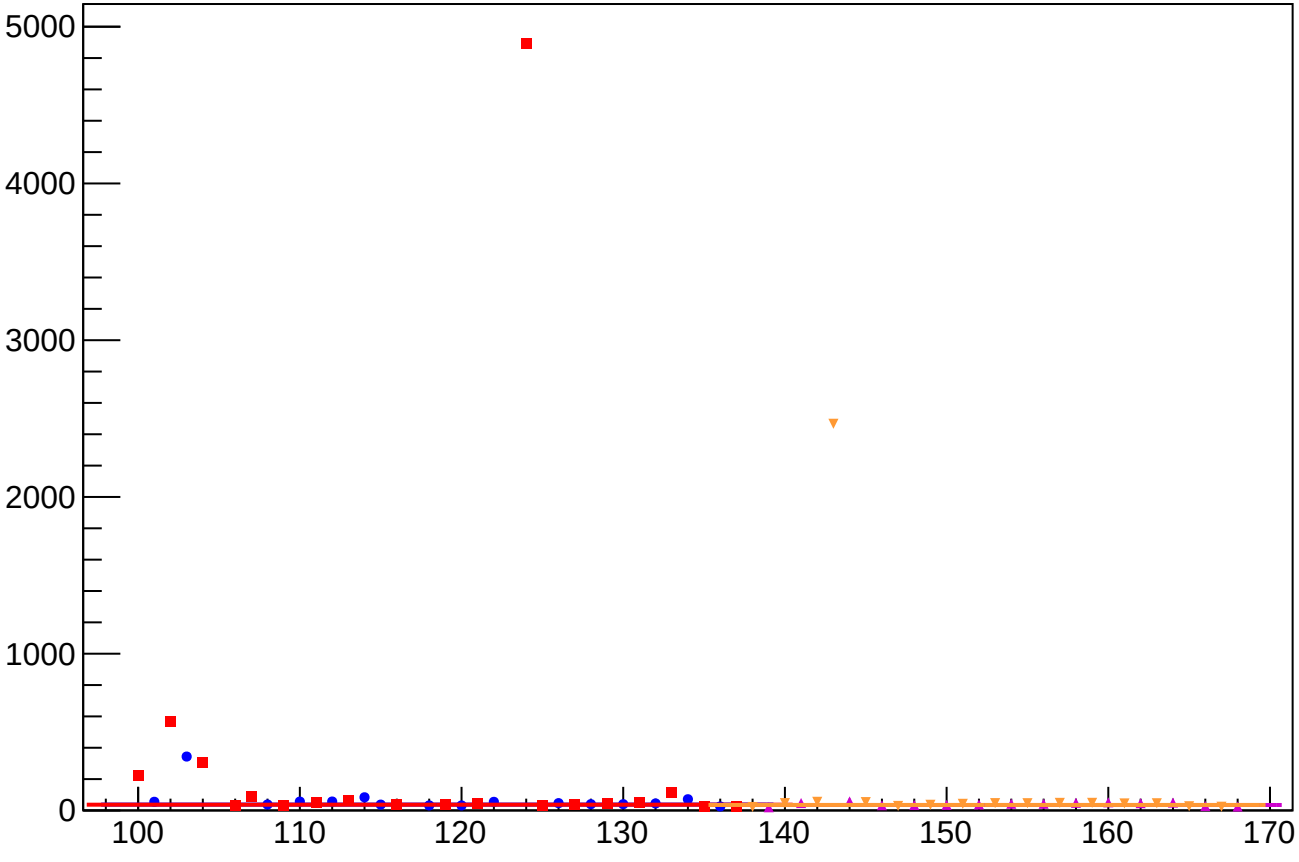
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

Left: 34.971+/-0.006 χ^2/NDF: 5347375.7/30

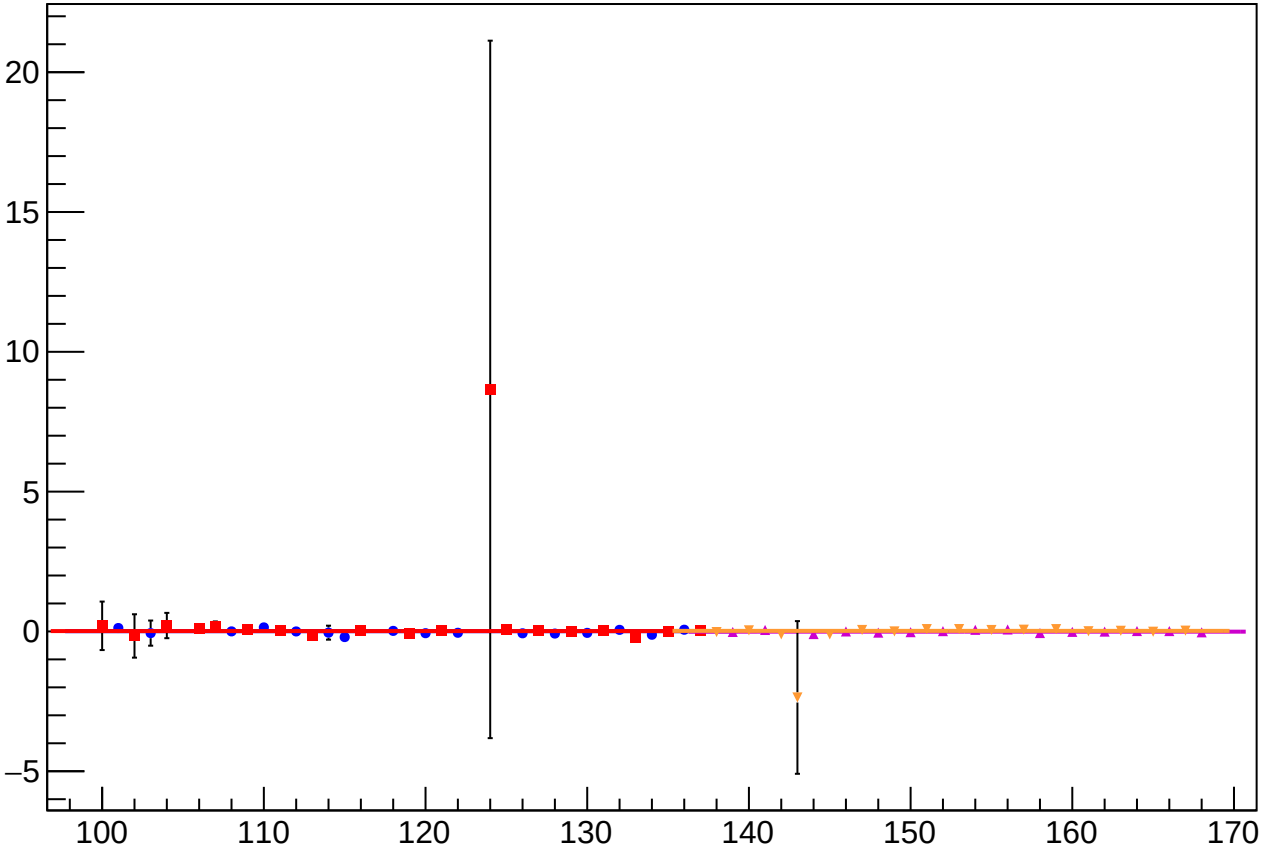
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.714+/-0.006 χ^2/NDF:3886412.2/30

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

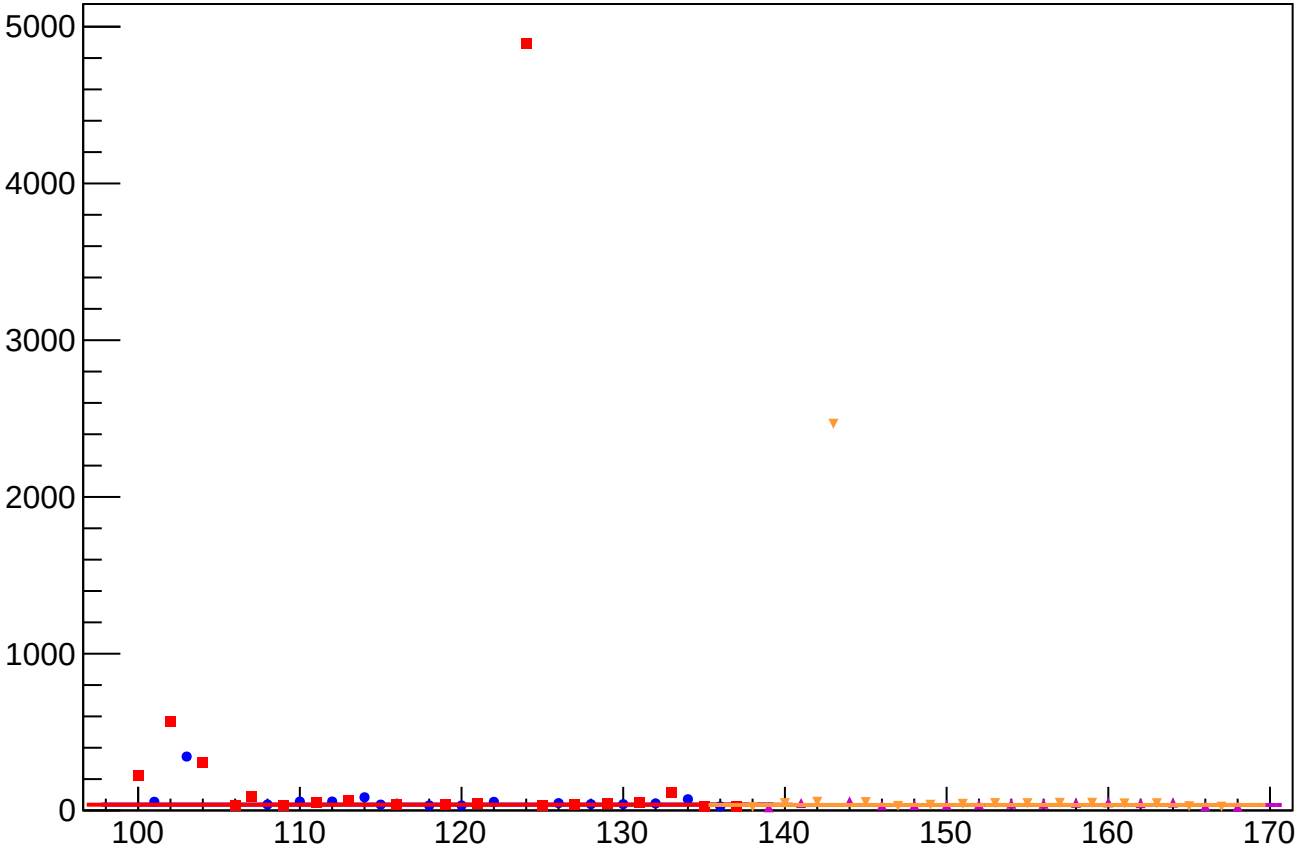
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

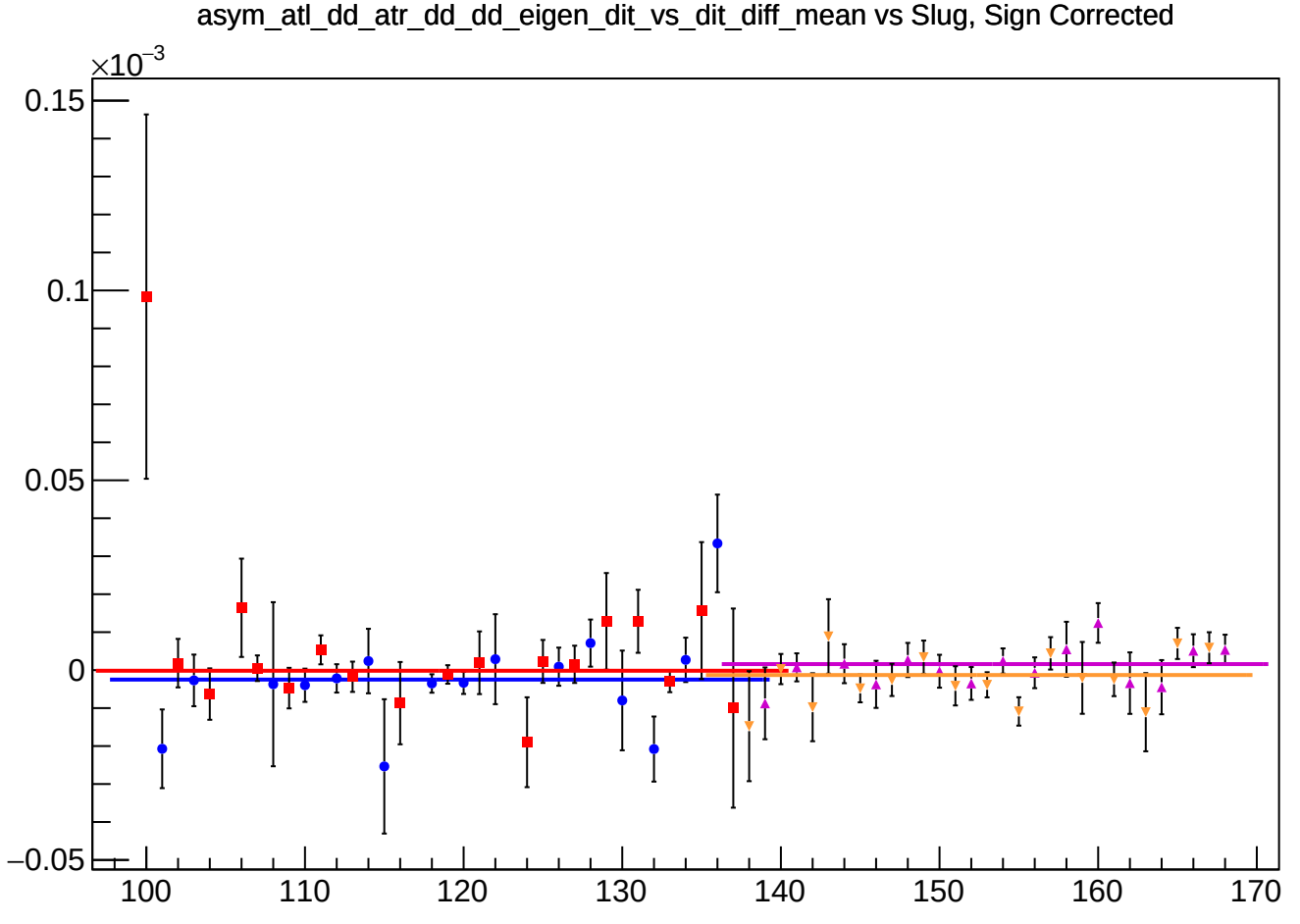
Left: 34.971+/-0.006 χ^2/NDF: 5347375.7/30

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.714+/-0.006 χ^2/NDF:3886412.2/30

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/14

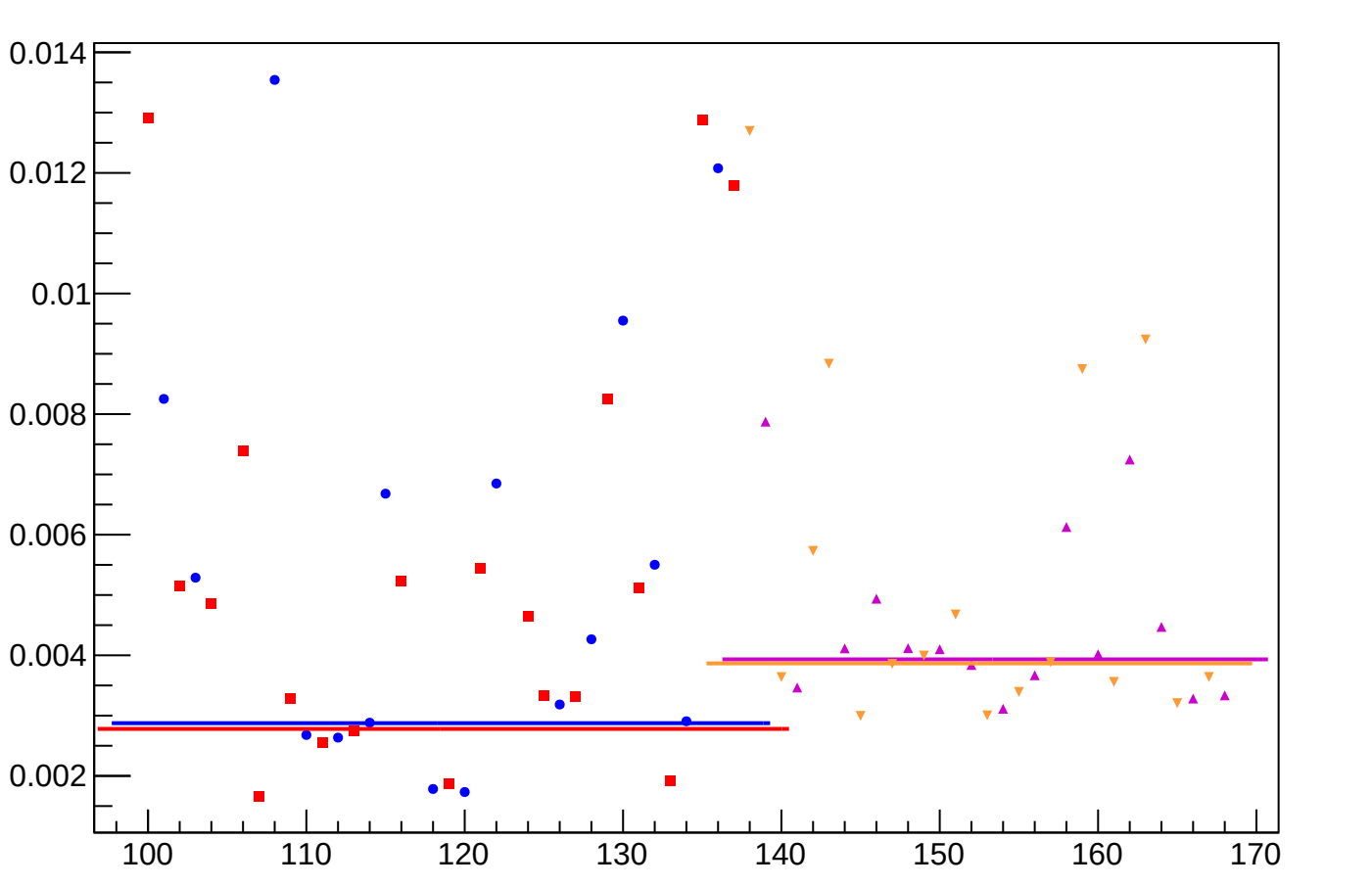
Left: 0.000+/-0.000 χ^2/NDF: 36.7/30

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

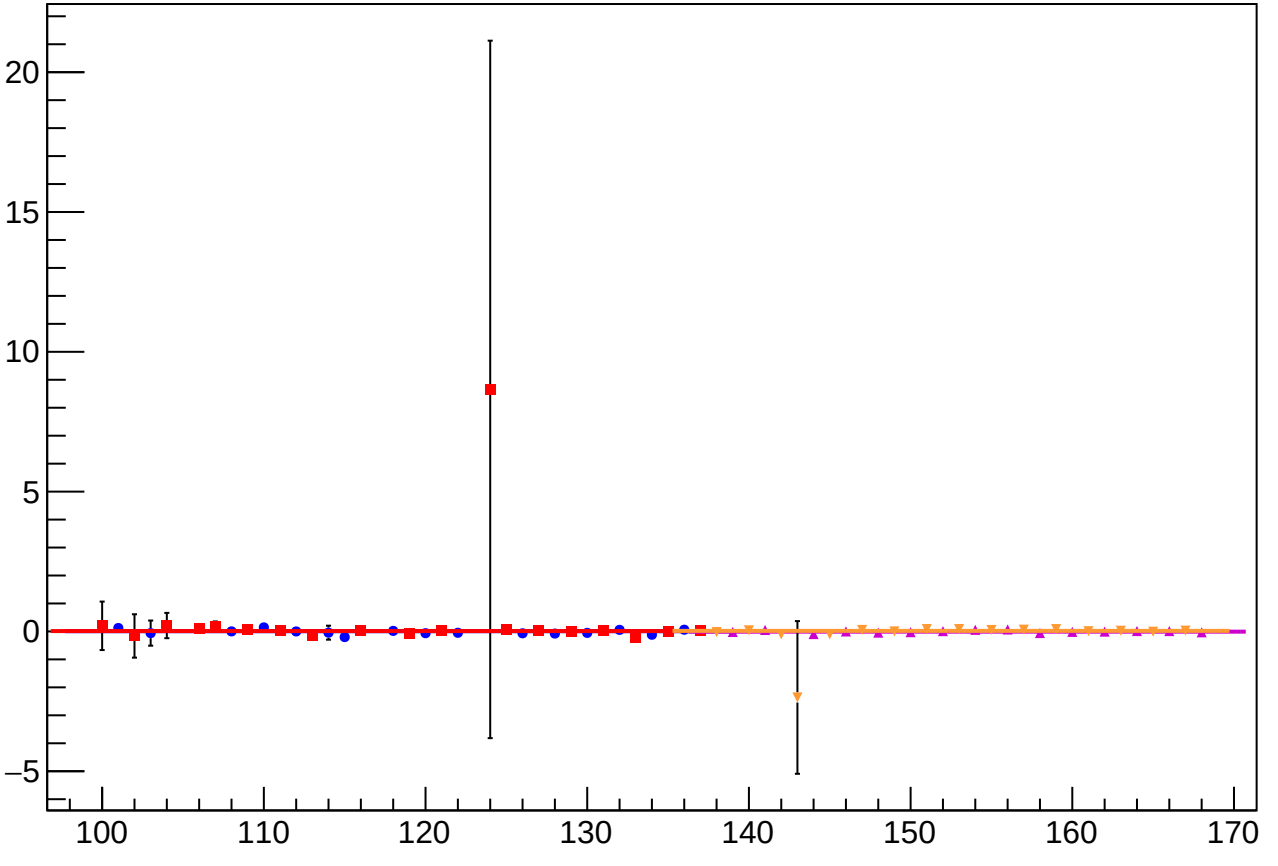
In: -0.000+/-0.000 χ^2/NDF:38.3/30

Out: -0.000+/-0.000 χ^2/NDF:41.9/34

All: -0.000+/-0.000 χ^2/NDF: 80.3/65


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:2824920.6/15
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:1192787.5/14
Left: 0.004+/-0.000 χ²/NDF: 4020782.6/30
Right: 0.003+/-0.000 χ²/NDF: 7469105.0/34
In: 0.003+/-0.000 χ²/NDF:6042033.0/30
Out: 0.003+/-0.000 χ²/NDF:6989242.5/34
All: 0.003+/-0.000 χ²/NDF: 13049167.7/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

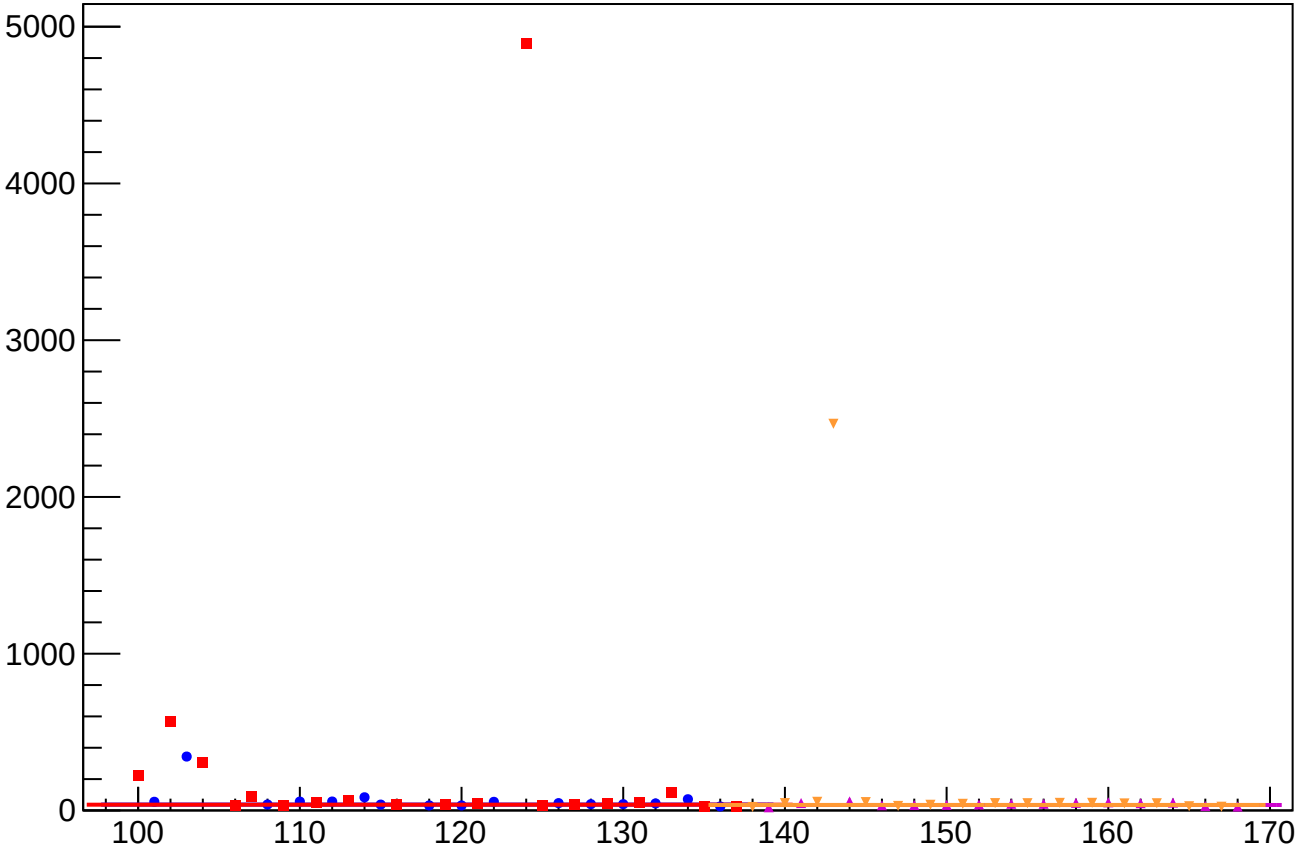
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

Left: 34.971+/-0.006 χ^2/NDF: 5346368.5/30

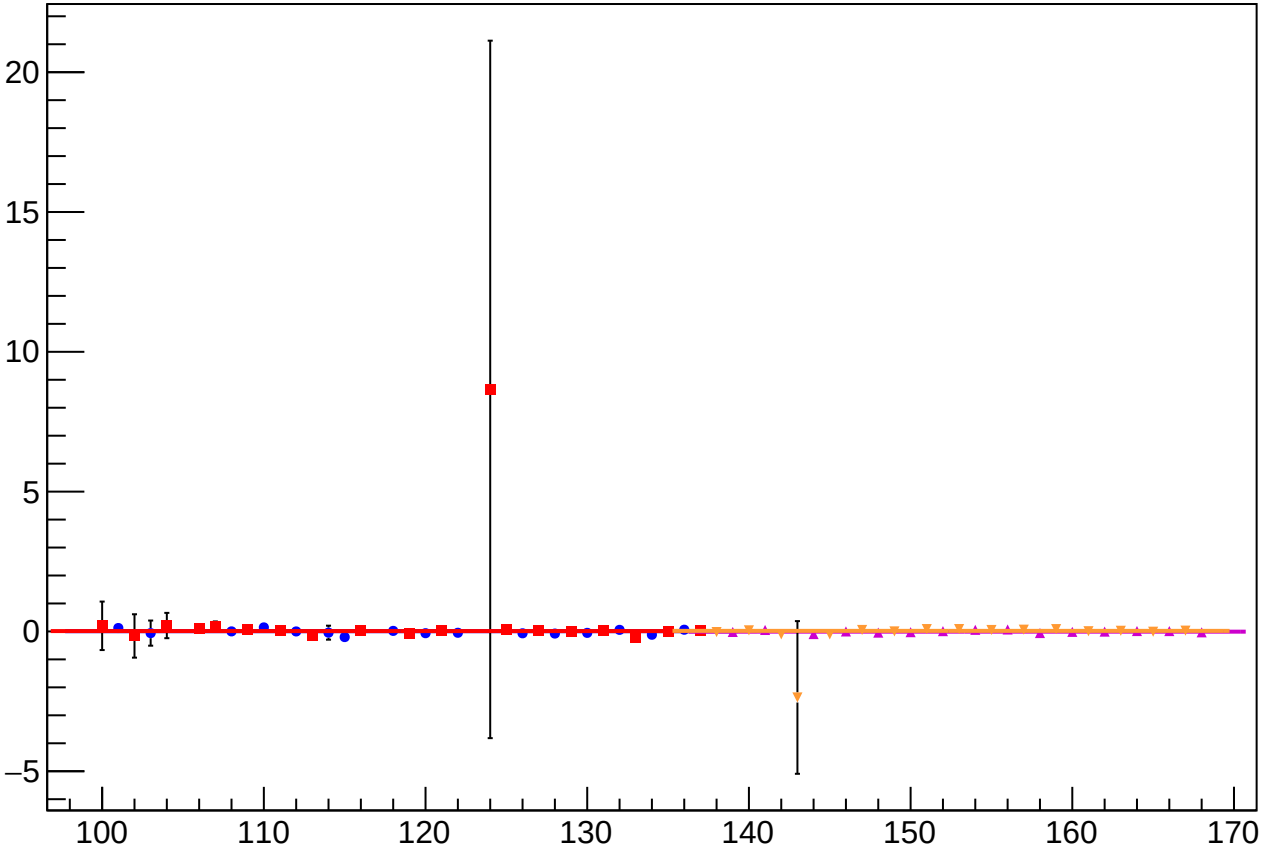
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.716+/-0.006 χ^2/NDF:3885158.5/30

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

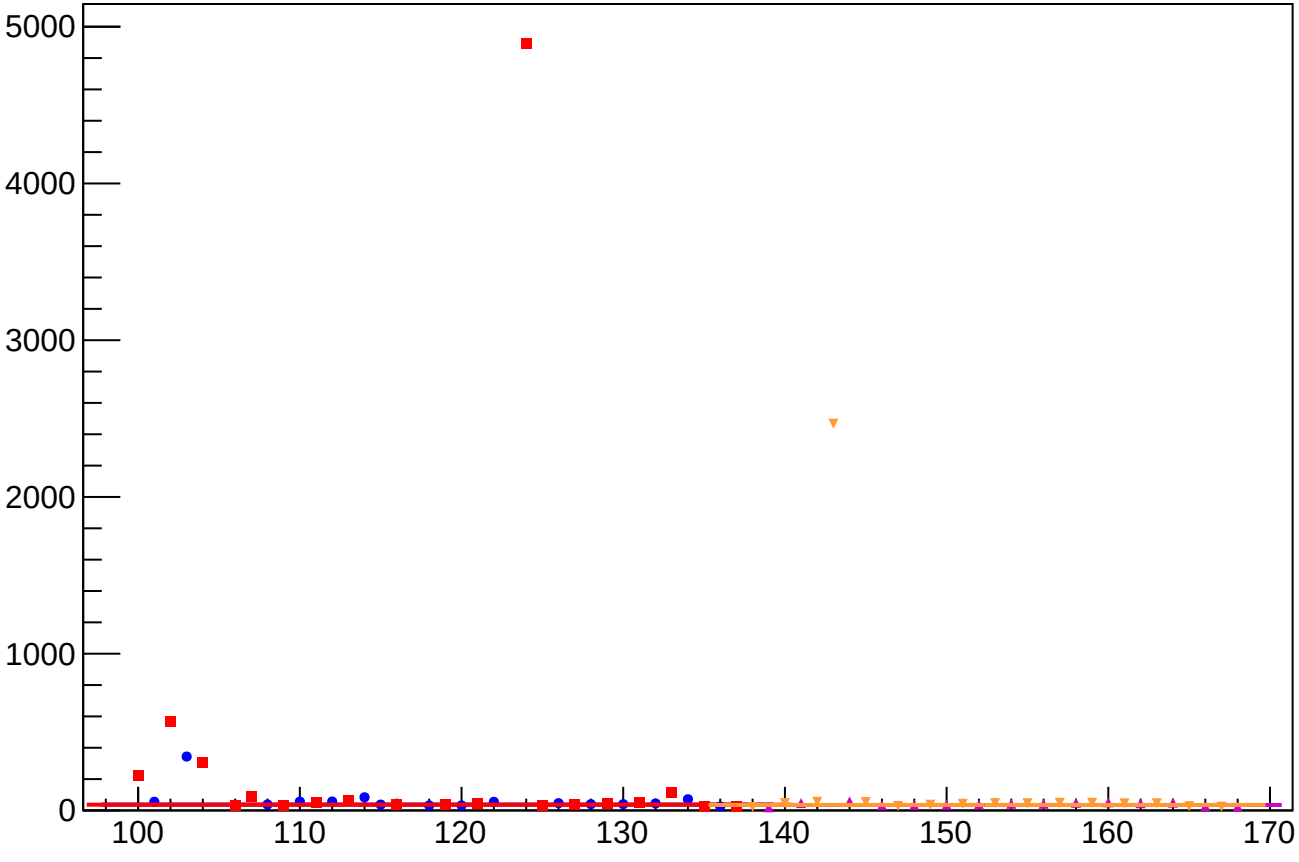
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

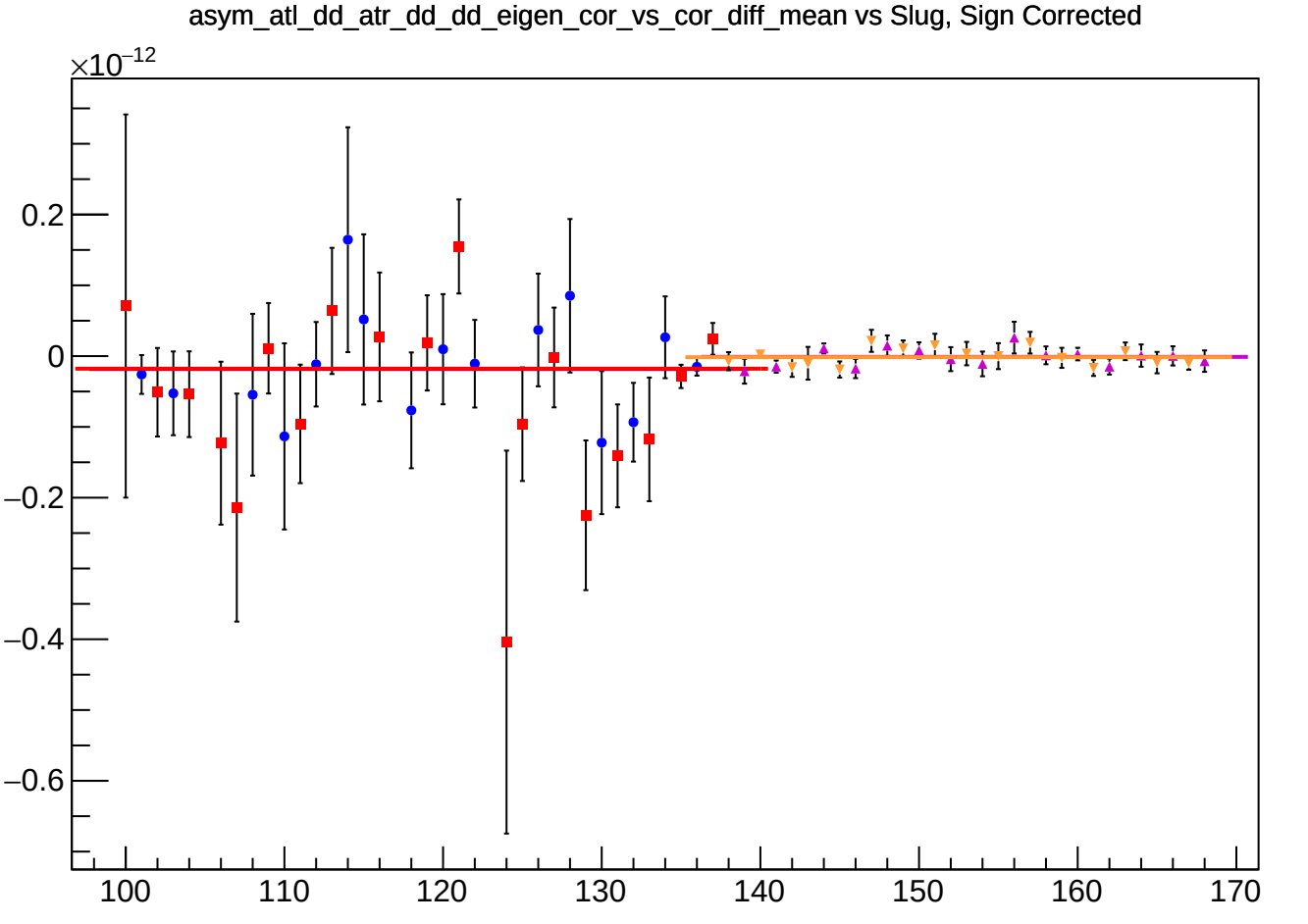
Left: 34.971+/-0.006 χ^2/NDF: 5346368.5/30

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.716+/-0.006 χ^2/NDF:3885158.5/30

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/14

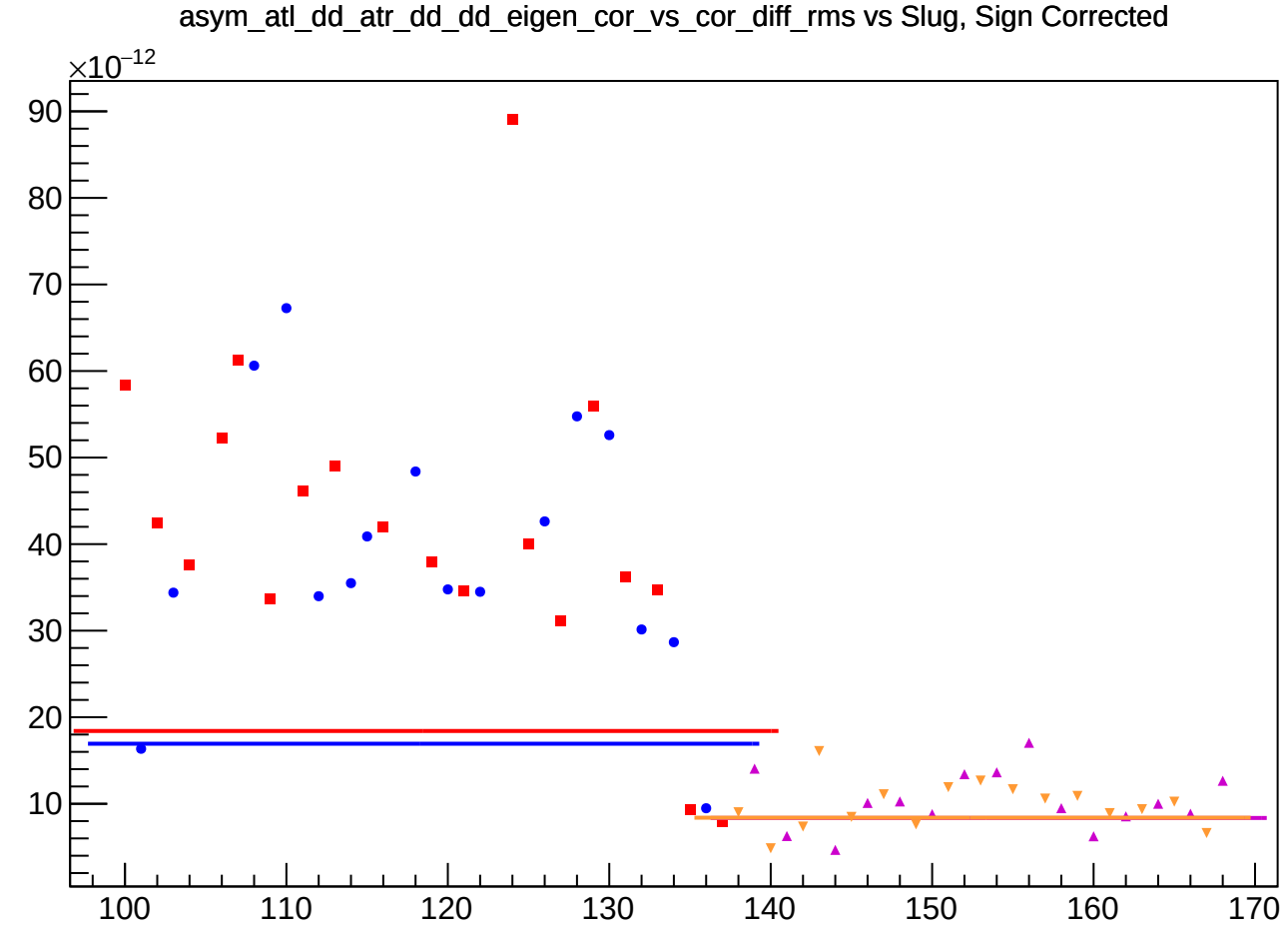
Left: -0.000+/-0.000 χ^2/NDF: 27.4/30

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.8/30

Out: -0.000+/-0.000 χ^2/NDF:42.9/34

All: -0.000+/-0.000 χ^2/NDF: 67.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369910.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1924812.9/14

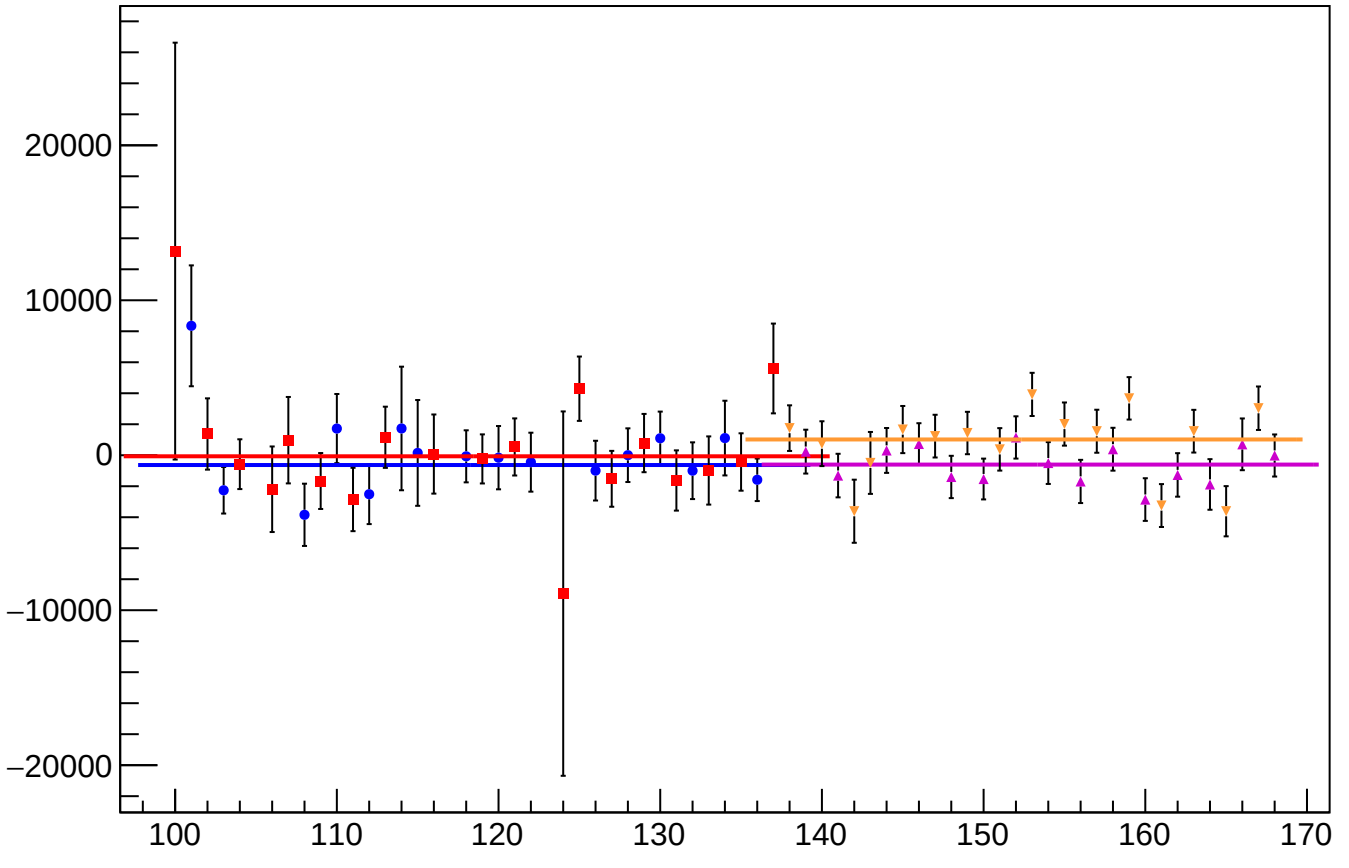
Left: 0.000+/-0.000 χ^2/NDF: 3294828.2/30

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6496189.1/30

Out: 0.000+/-0.000 χ^2/NDF:6568273.0/34

All: 0.000+/-0.000 χ^2/NDF: 13064463.3/65



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -602.937+/-363.027 χ^2/NDF:9.9/14

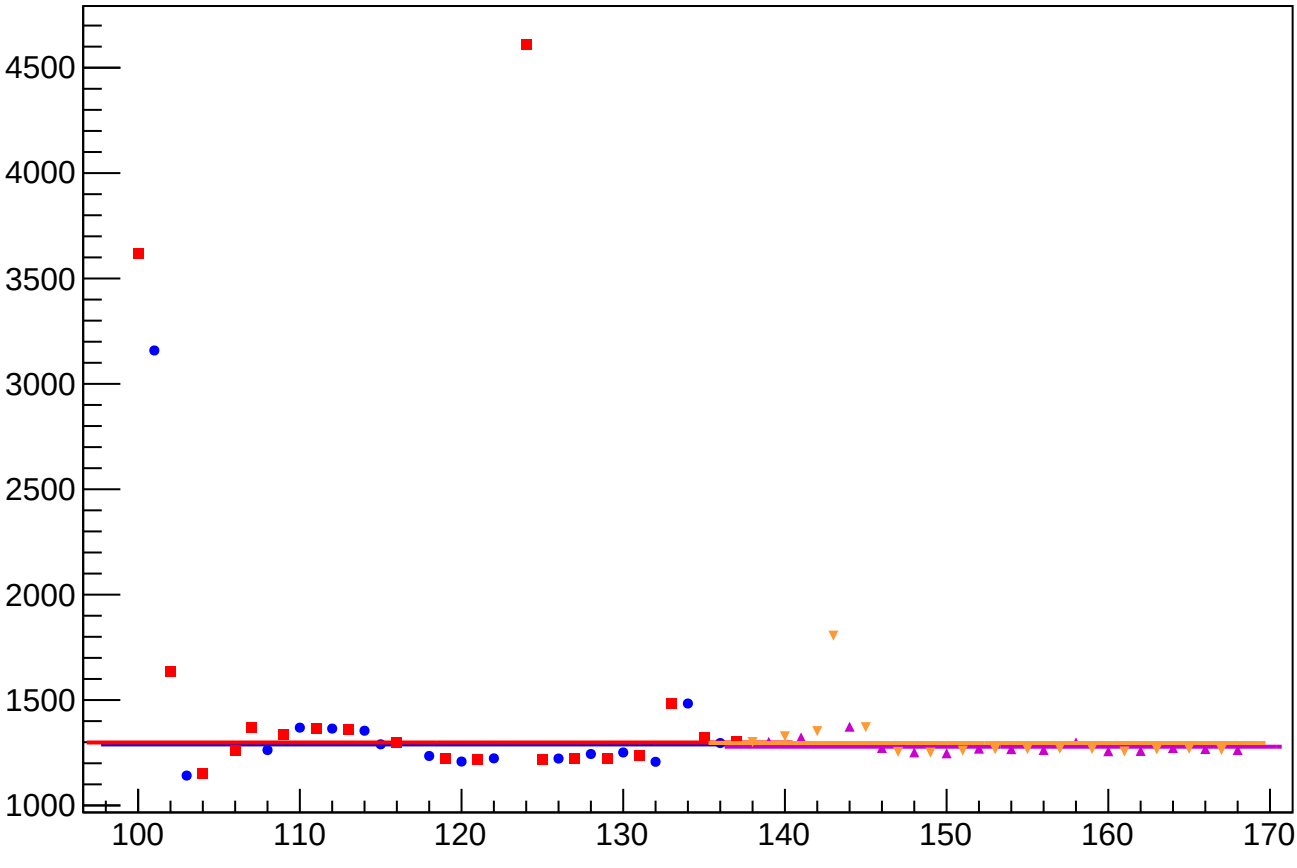
Left: 201.691+/-257.629 χ^2/NDF: 55.0/30

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -612.932+/-291.412 χ^2/NDF:23.8/30

Out: 627.425+/-292.580 χ^2/NDF:54.2/34

All: 4.767+/-206.471 χ^2/NDF: 87.1/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

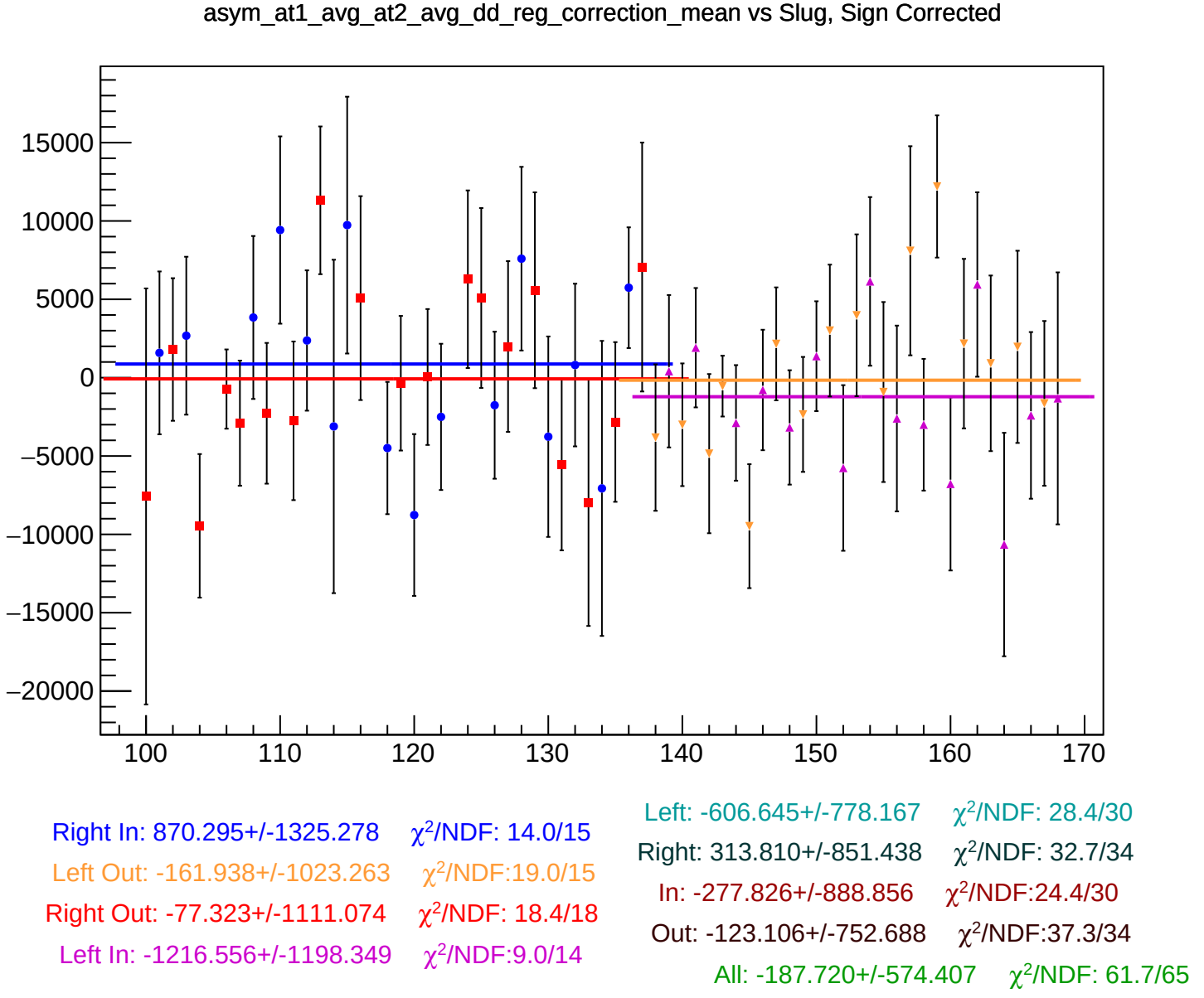
Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

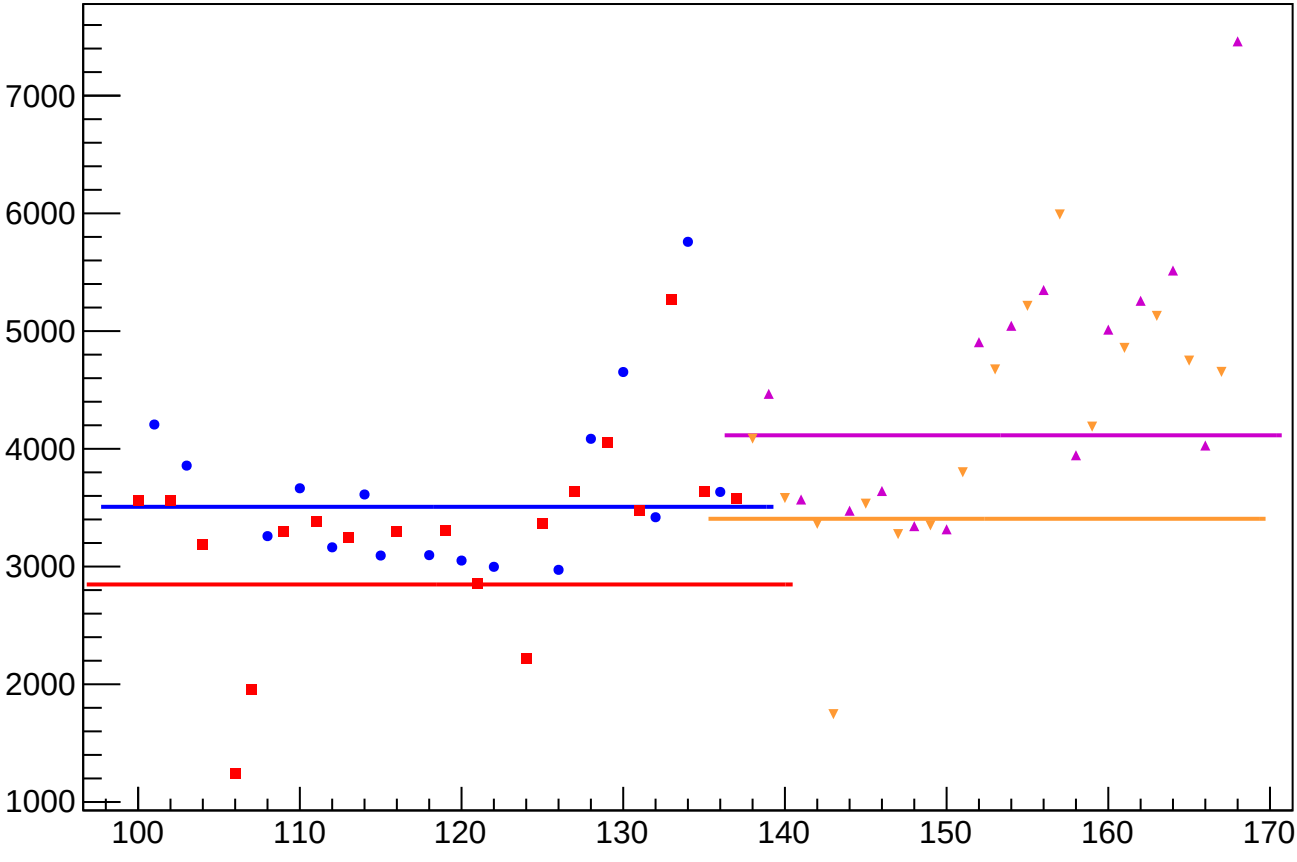
In: 1282.472+/-0.206 χ^2/NDF:530522.1/30

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1216.556+/-1198.349 χ²/NDF:9.0/14
Left: -606.645+/-778.167 χ²/NDF: 28.4/30
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -277.826+/-888.856 χ²/NDF:24.4/30
Out: -123.106+/-752.688 χ²/NDF:37.3/34
All: -187.720+/-574.407 χ²/NDF: 61.7/65

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

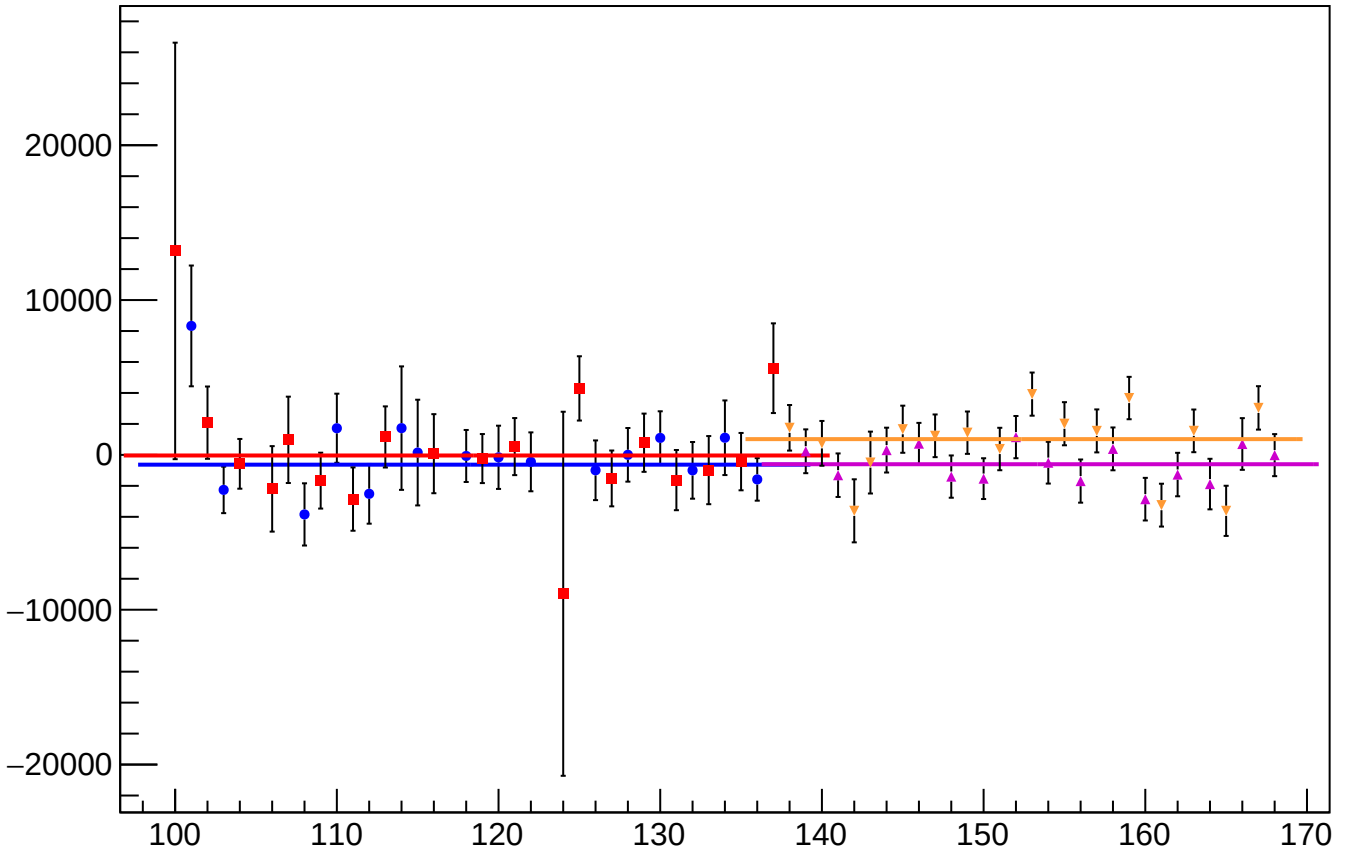
Left: 3704.745+/-0.550 χ^2/NDF: 4241331.6/30

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3841.596+/-0.629 χ^2/NDF:1667031.3/30

Out: 3149.694+/-0.532 χ^2/NDF:4526644.1/34

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

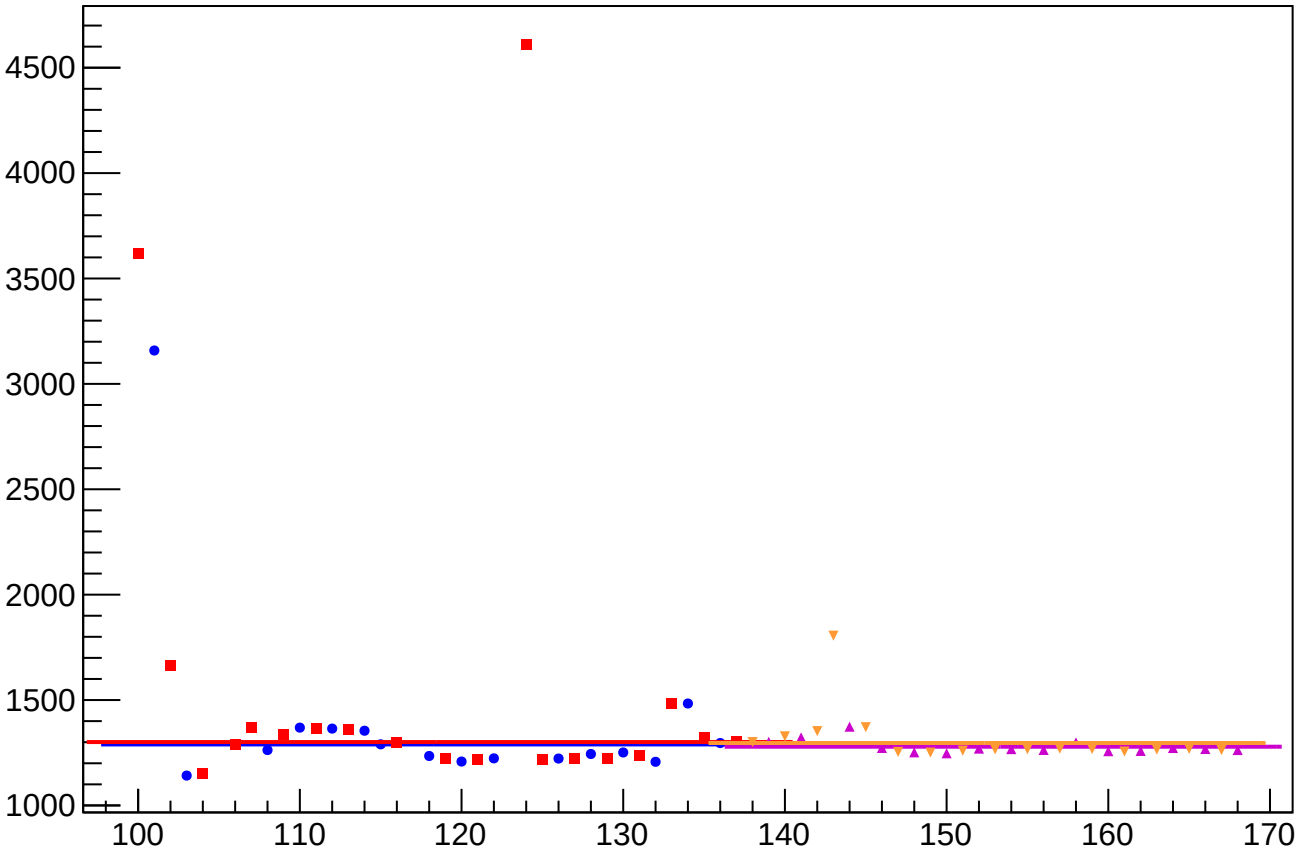
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

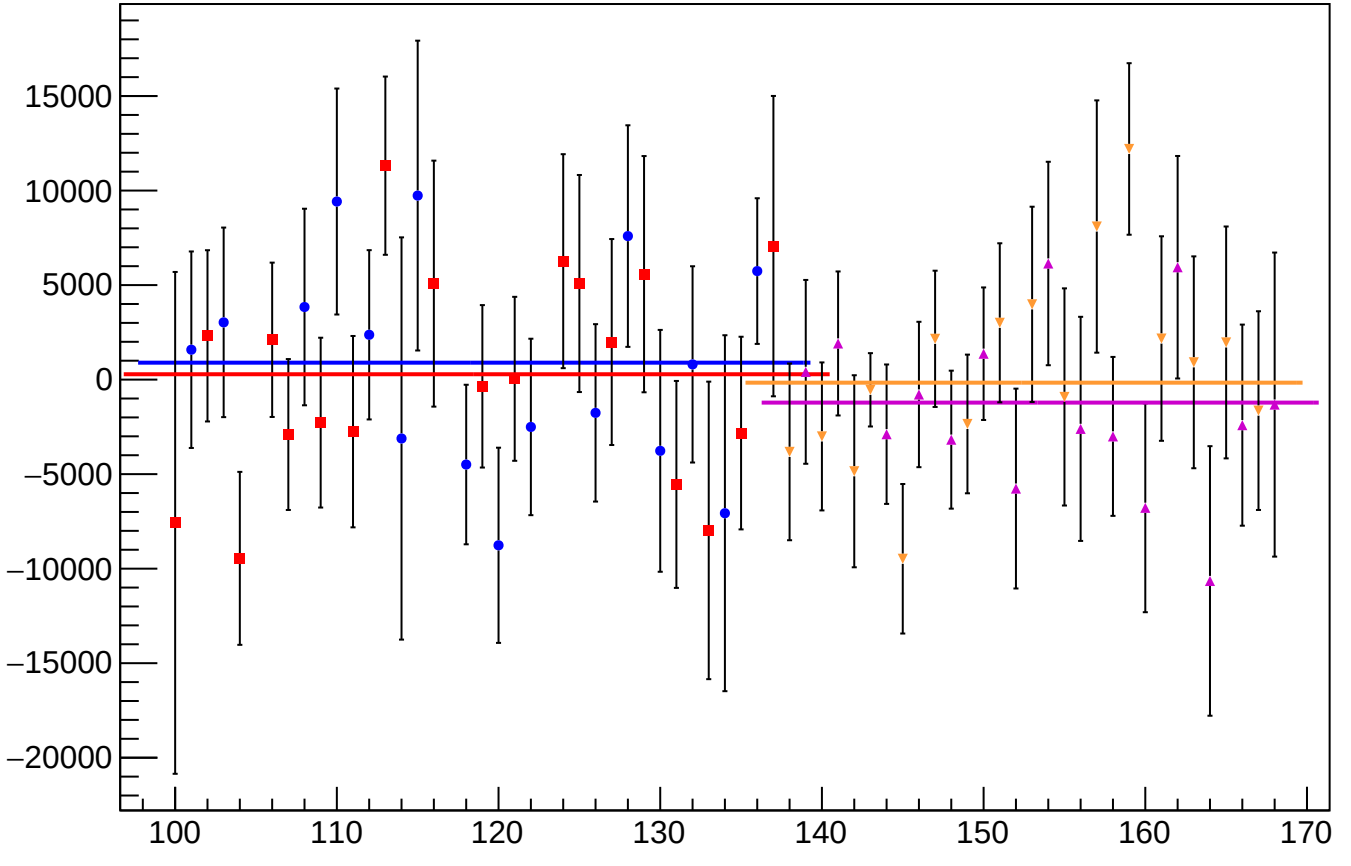
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

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: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1216.598+/-1198.348 χ^2/NDF:9.0/14

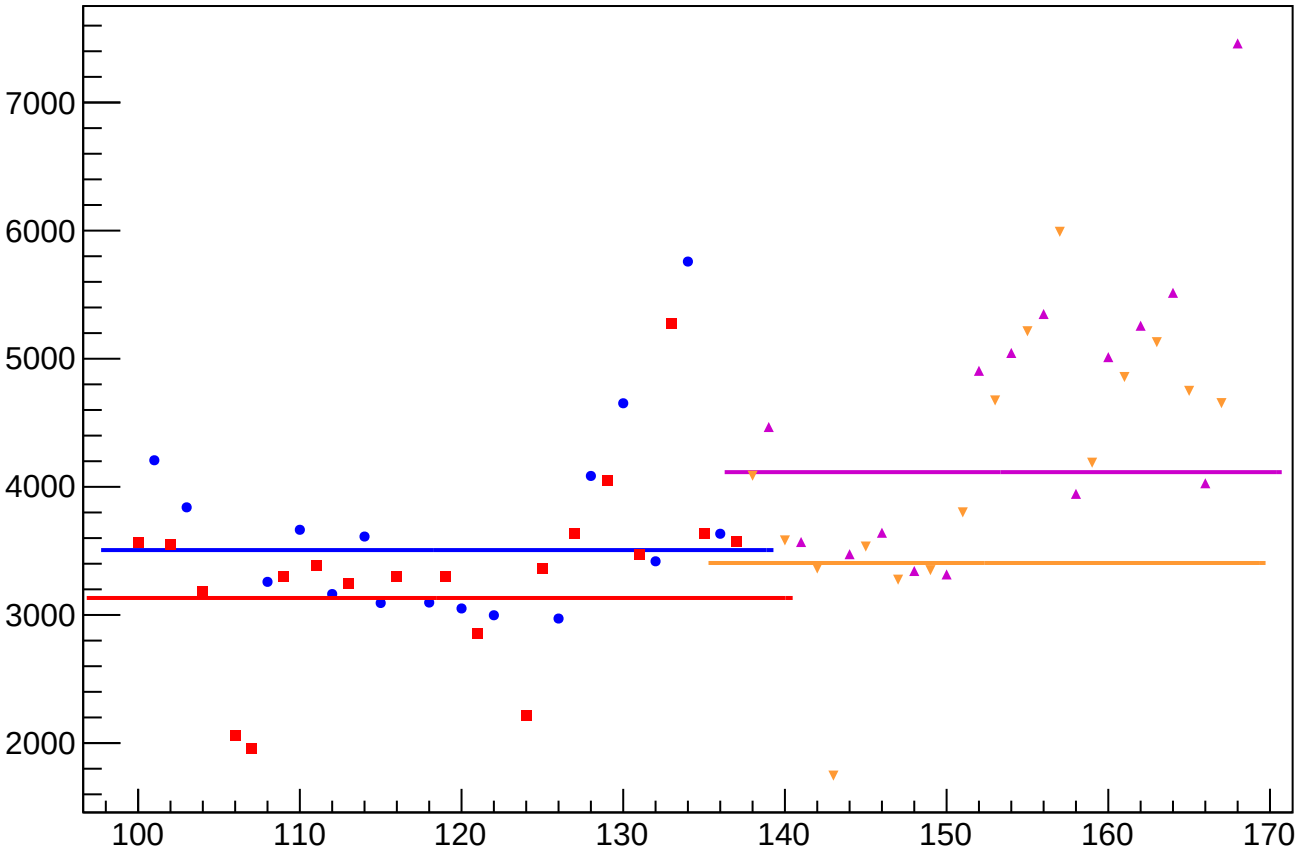
Left: -606.603+/-778.166 χ^2/NDF: 28.4/30

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -265.921+/-888.719 χ^2/NDF:24.5/30

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -98.246+/-583.658 χ^2/NDF: 62.2/65



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

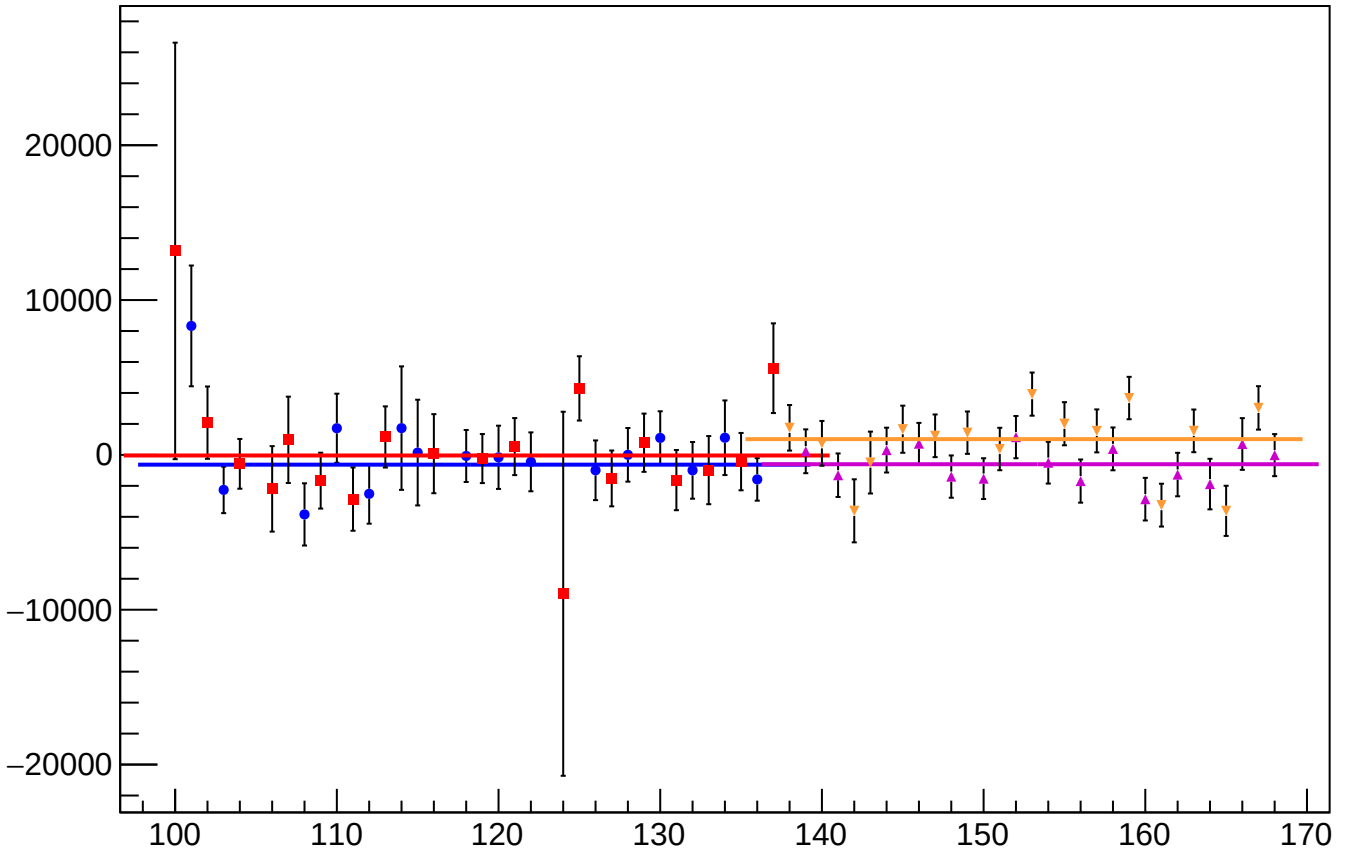
Left: 3704.737+/-0.550 χ^2/NDF: 4241370.7/30

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3841.080+/-0.628 χ^2/NDF:1667071.2/30

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

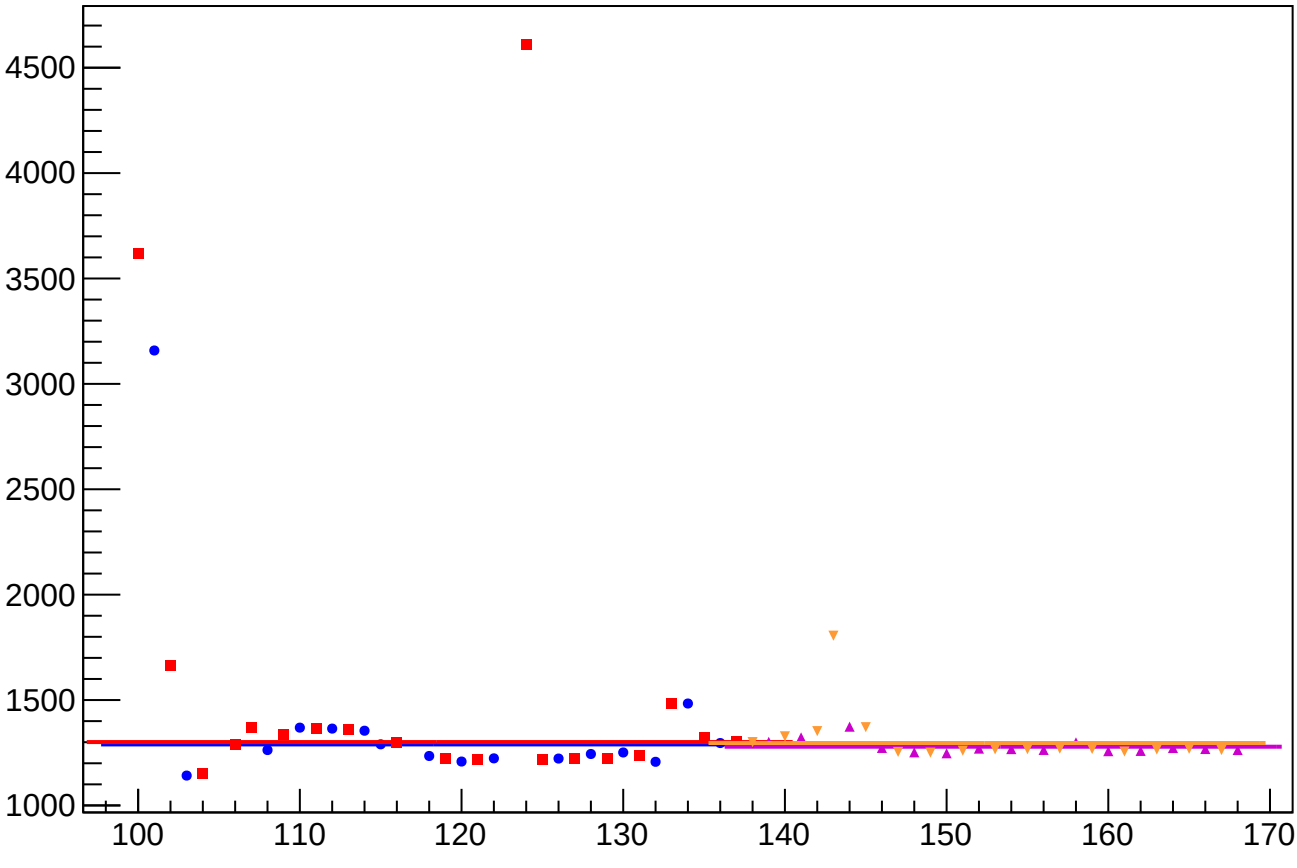
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

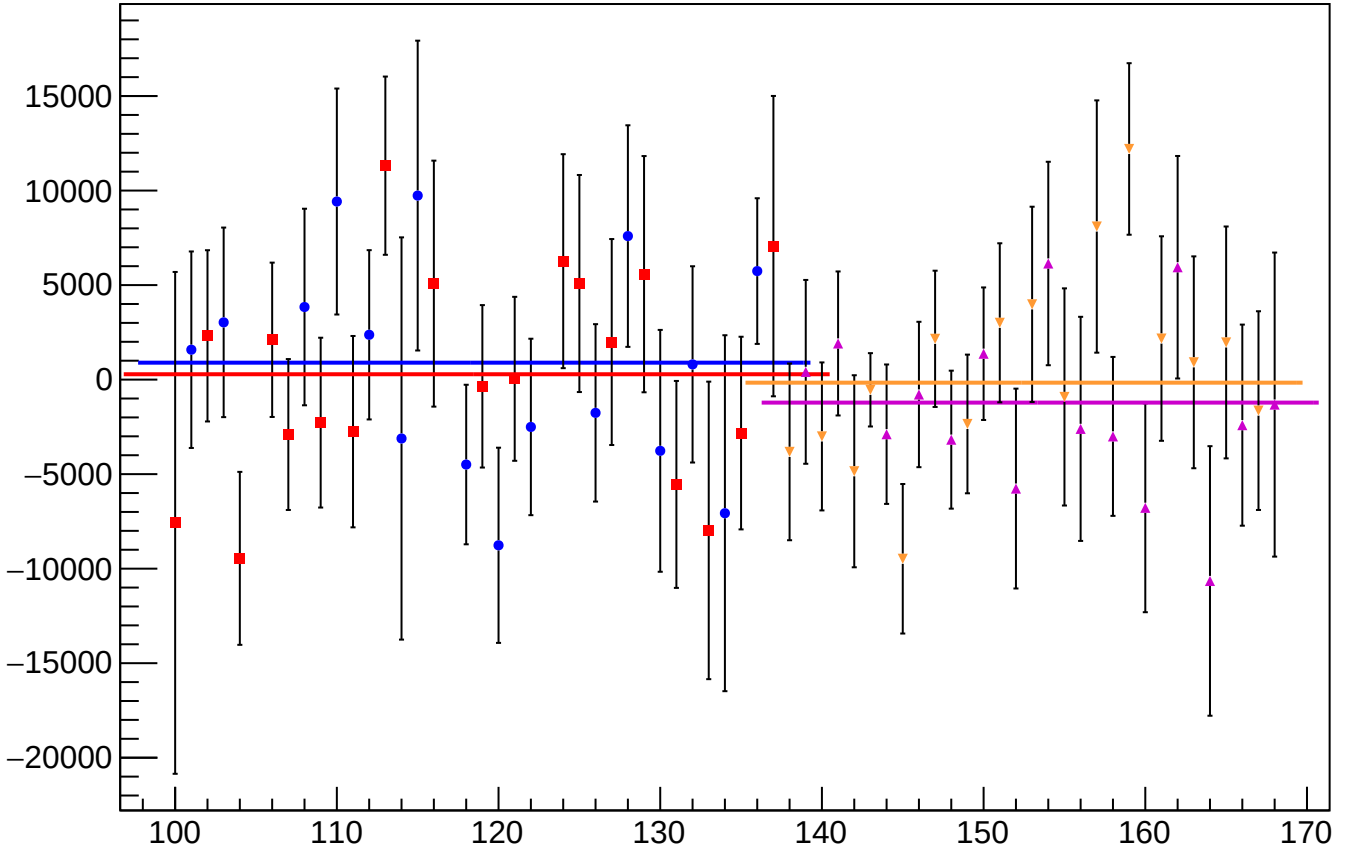
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

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: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1216.598+/-1198.348 χ^2/NDF:9.0/14

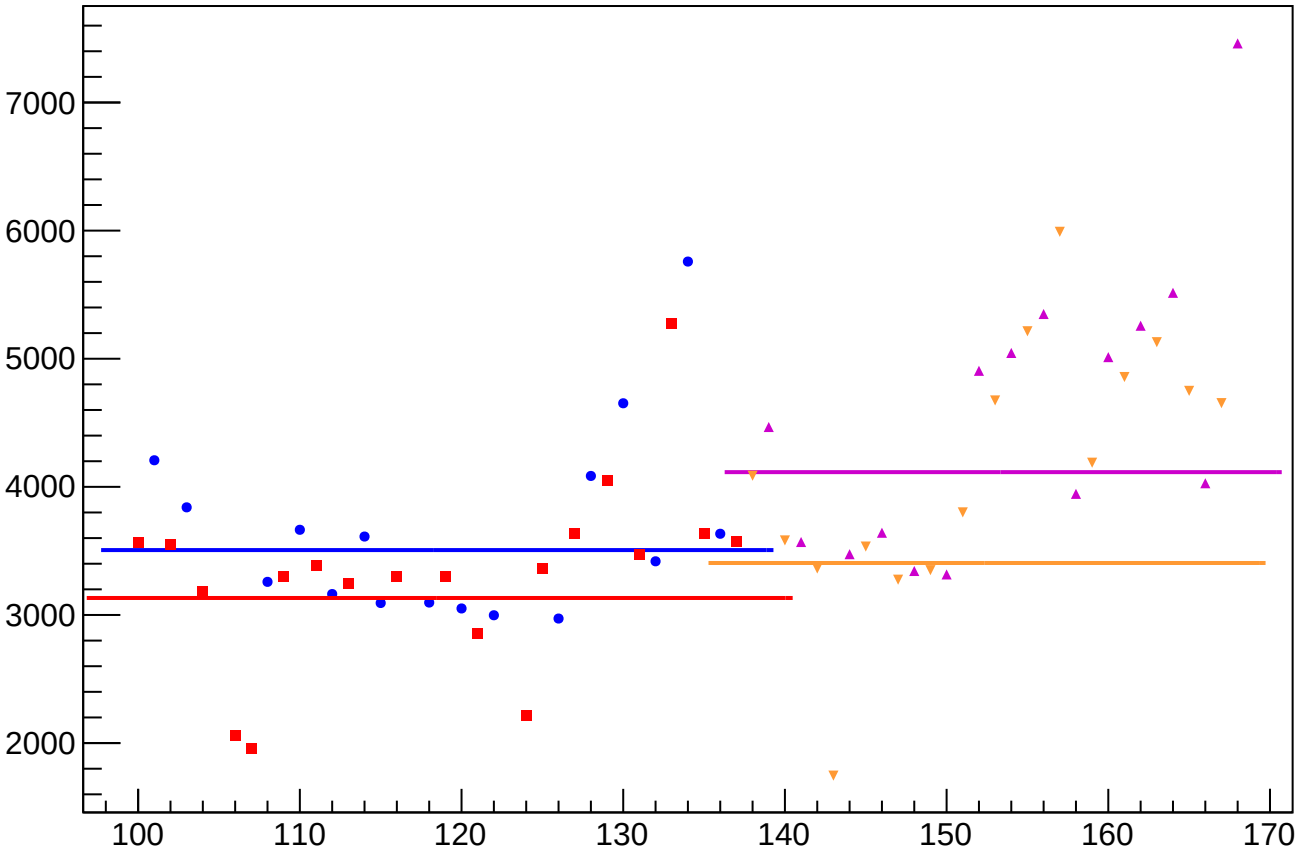
Left: -606.603+/-778.166 χ^2/NDF: 28.4/30

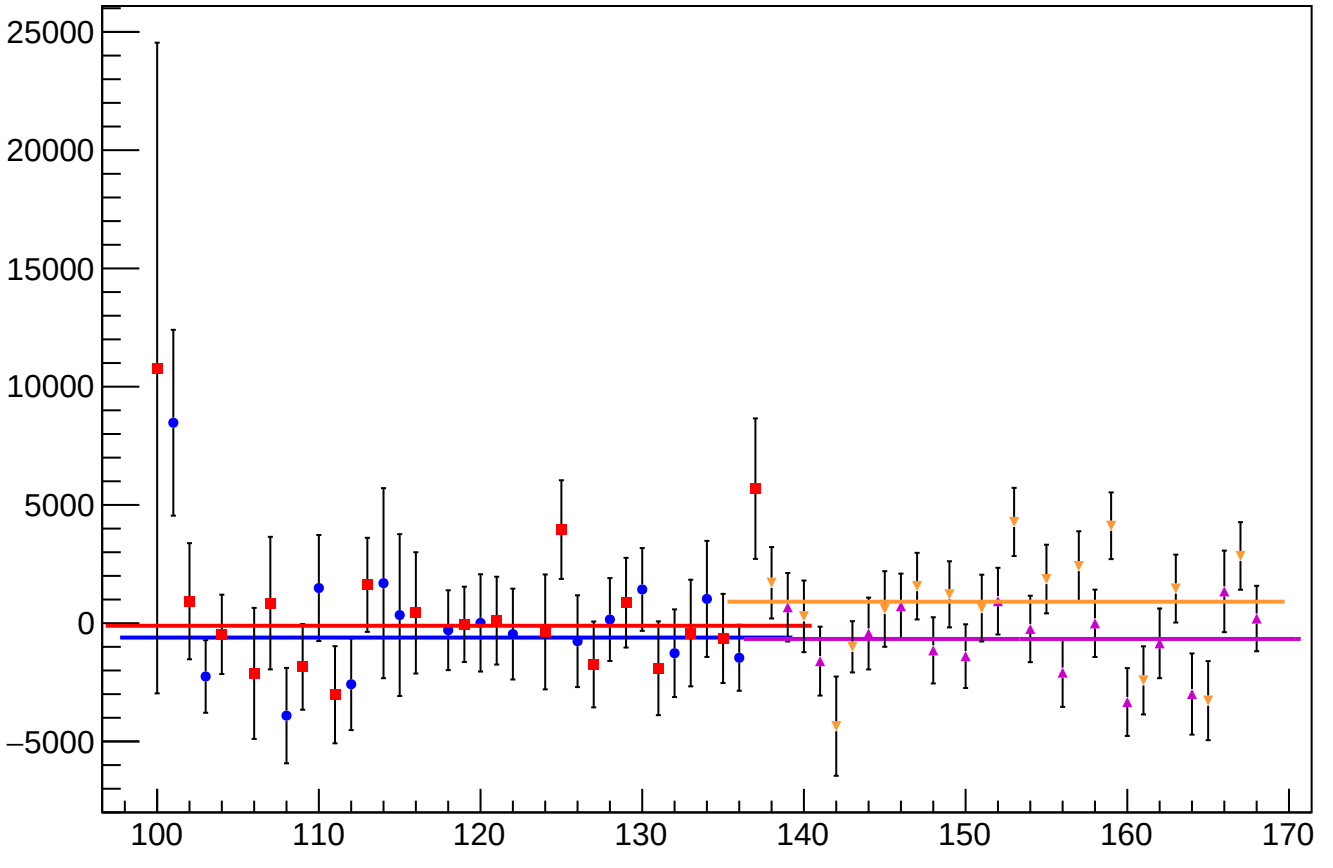
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -265.921+/-888.719 χ^2/NDF:24.5/30

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -98.246+/-583.658 χ^2/NDF: 62.2/65


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3405.717+/-0.724 χ²/NDF:2754464.2/15
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4114.841+/-0.847 χ²/NDF:1081884.2/14
Left: 3704.737+/-0.550 χ²/NDF: 4241370.7/30
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3841.080+/-0.628 χ²/NDF:1667071.2/30
Out: 3288.844+/-0.547 χ²/NDF:3465049.5/34
All: 3527.028+/-0.413 χ²/NDF: 5571285.3/65



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -666.444+/-375.492 χ^2/NDF:12.3/14

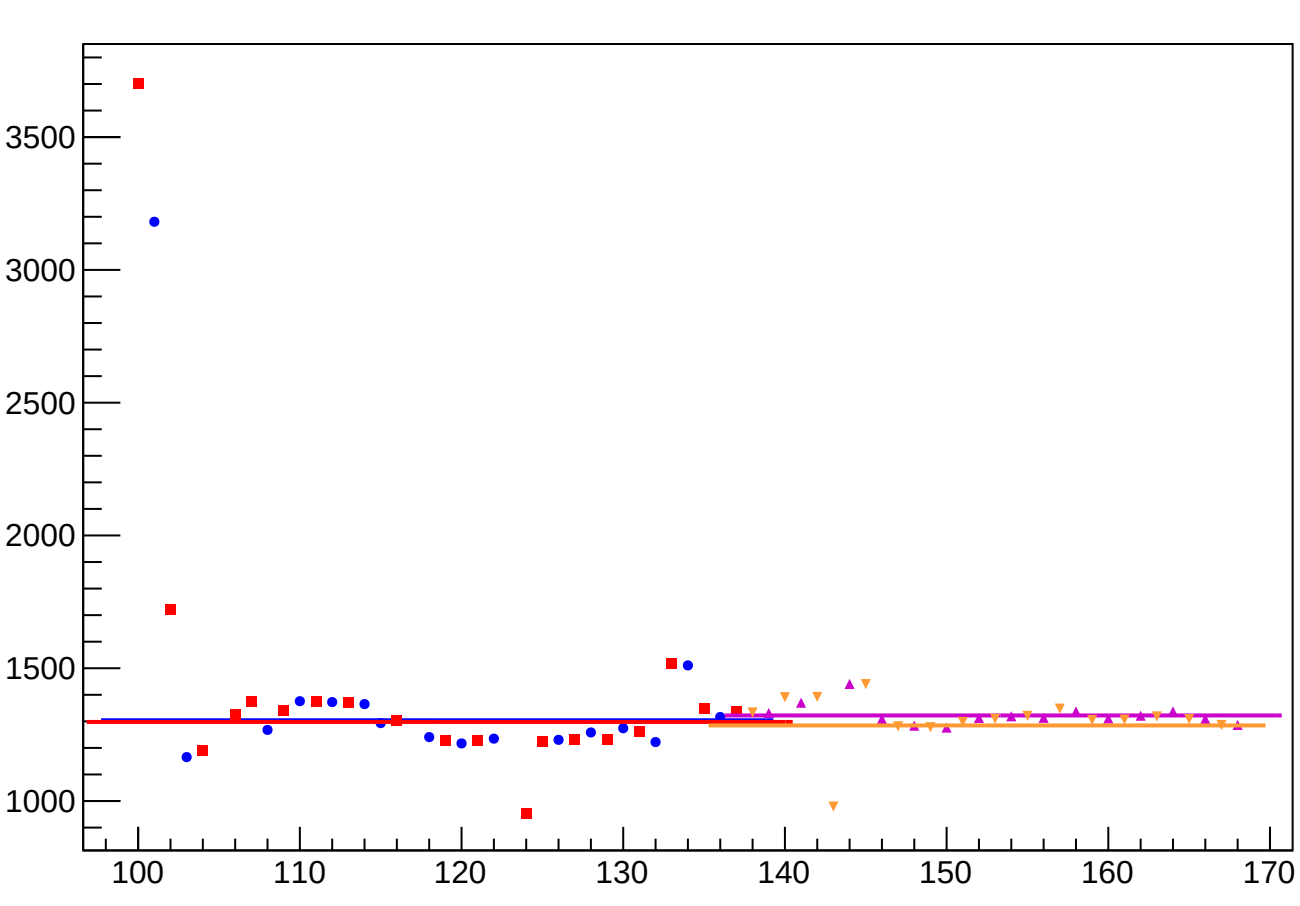
Left: 147.890+/-260.927 χ^2/NDF: 57.3/30

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -644.990+/-298.978 χ^2/NDF:26.4/30

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -33.764+/-208.404 χ^2/NDF: 88.2/65



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

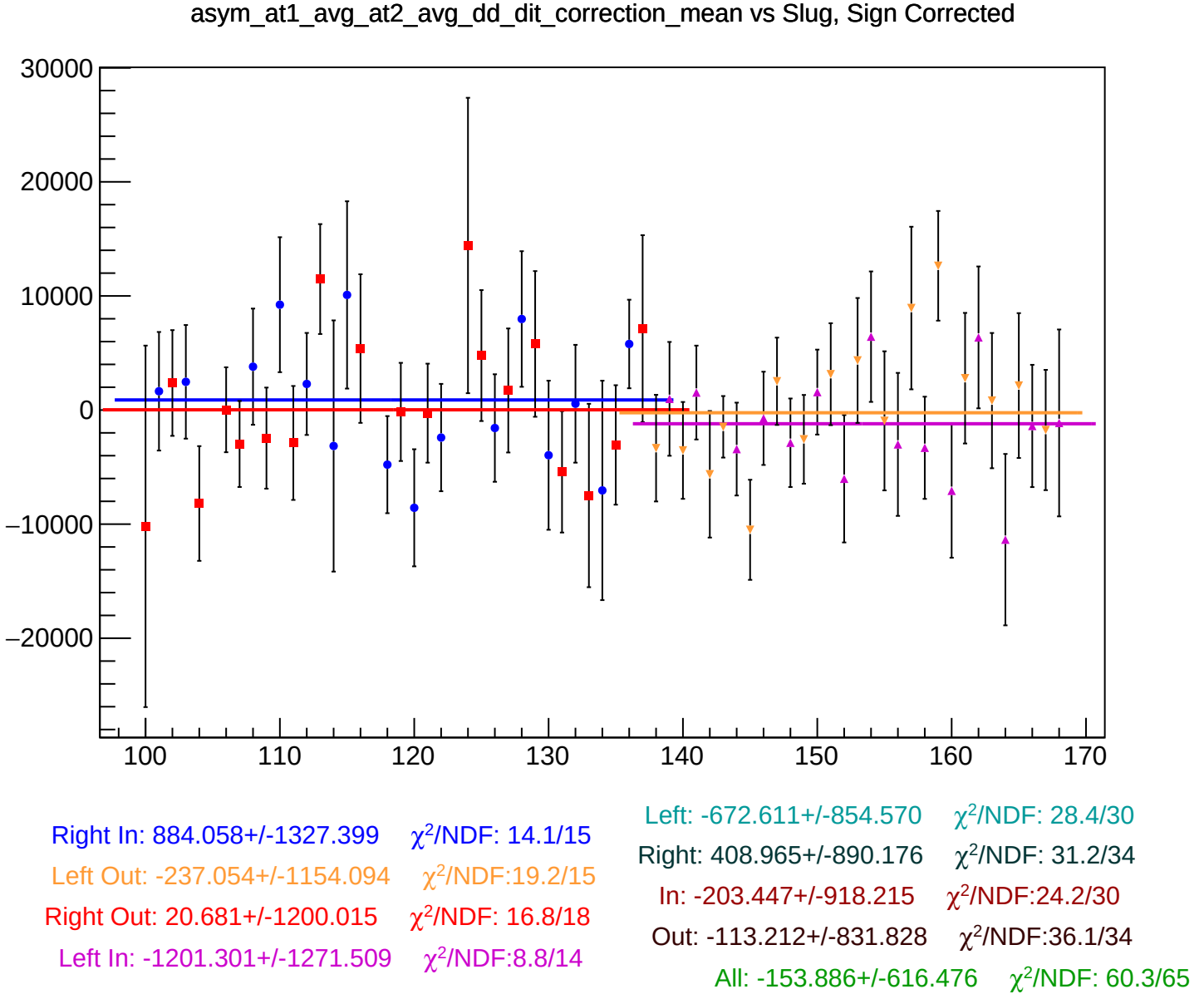
Left: 1302.793+/-0.185 χ^2/NDF: 234058.7/30

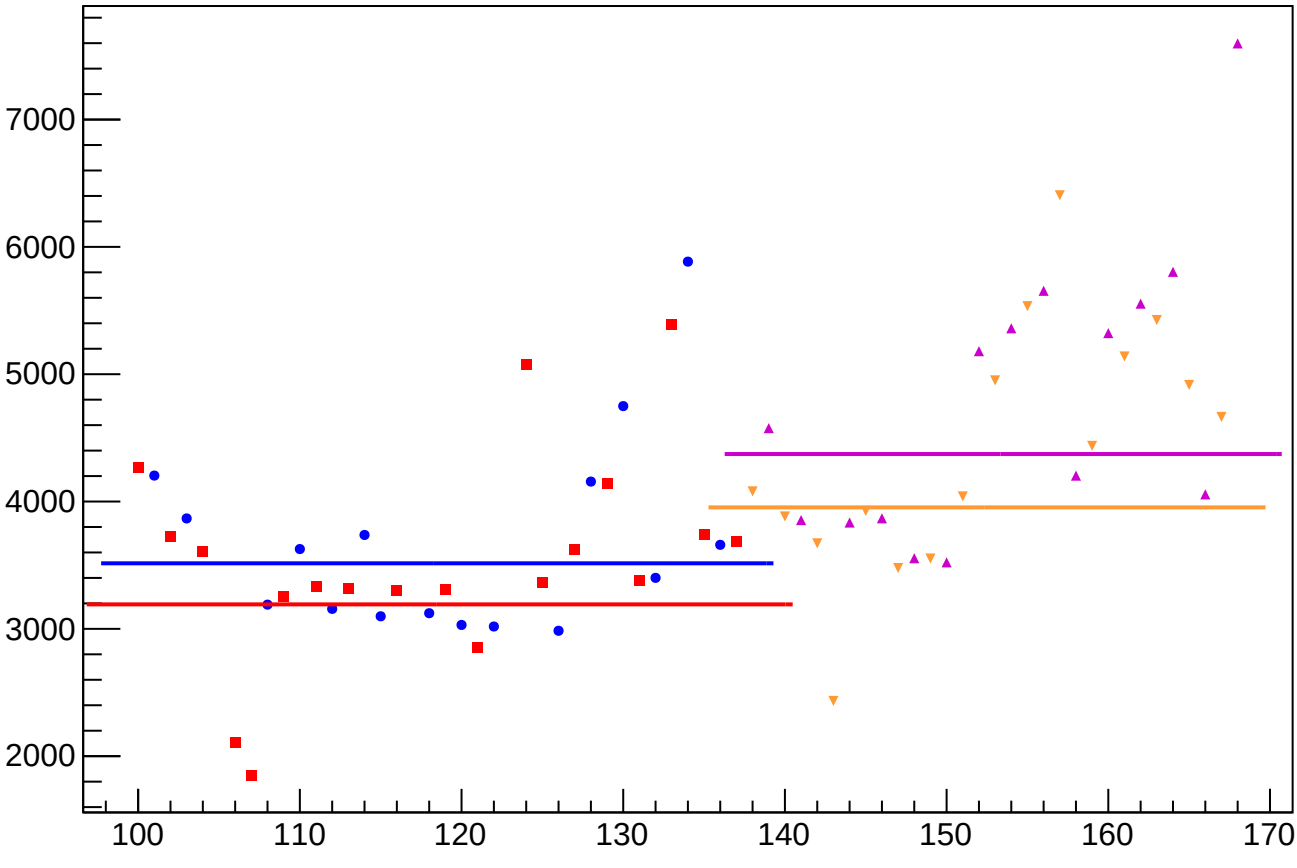
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.609+/-0.211 χ^2/NDF:532920.8/30

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -237.054+/-1154.094 χ²/NDF:19.2/15
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1201.301+/-1271.509 χ²/NDF:8.8/14
Left: -672.611+/-854.570 χ²/NDF: 28.4/30
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -203.447+/-918.215 χ²/NDF:24.2/30
Out: -113.212+/-831.828 χ²/NDF:36.1/34
All: -153.886+/-616.476 χ²/NDF: 60.3/65


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
7000
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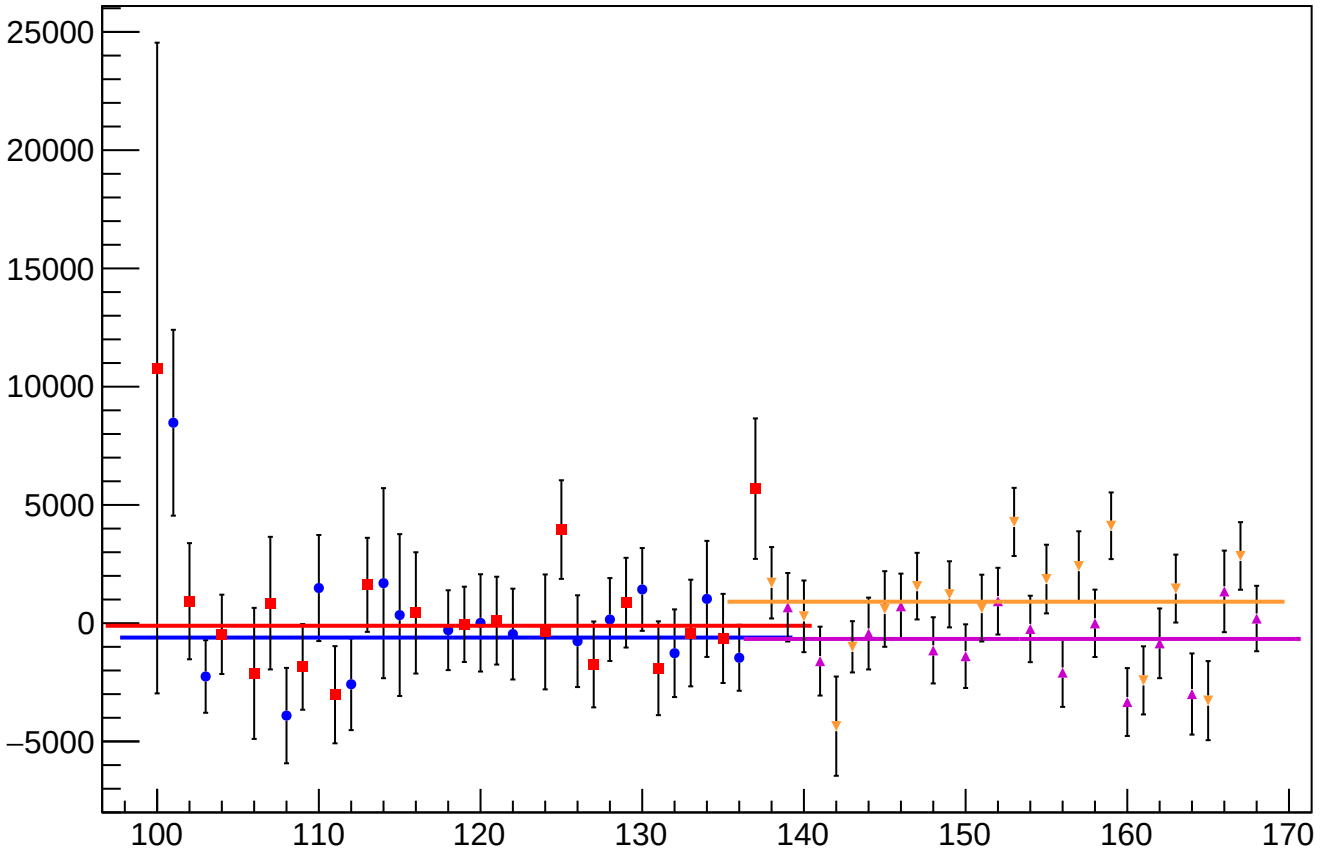
120
130
140
150
160
170
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3954.074+/-0.816 χ²/NDF:1444498.7/15
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4373.056+/-0.899 χ²/NDF:996365.1/14
Left: 4143.331+/-0.604 χ²/NDF: 2559931.9/30
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3962.351+/-0.649 χ²/NDF:1807524.1/30
Out: 3587.995+/-0.588 χ²/NDF:2635791.7/34
All: 3756.738+/-0.436 χ²/NDF: 4625905.1/65



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -666.445+/-375.493 χ^2/NDF:12.3/14

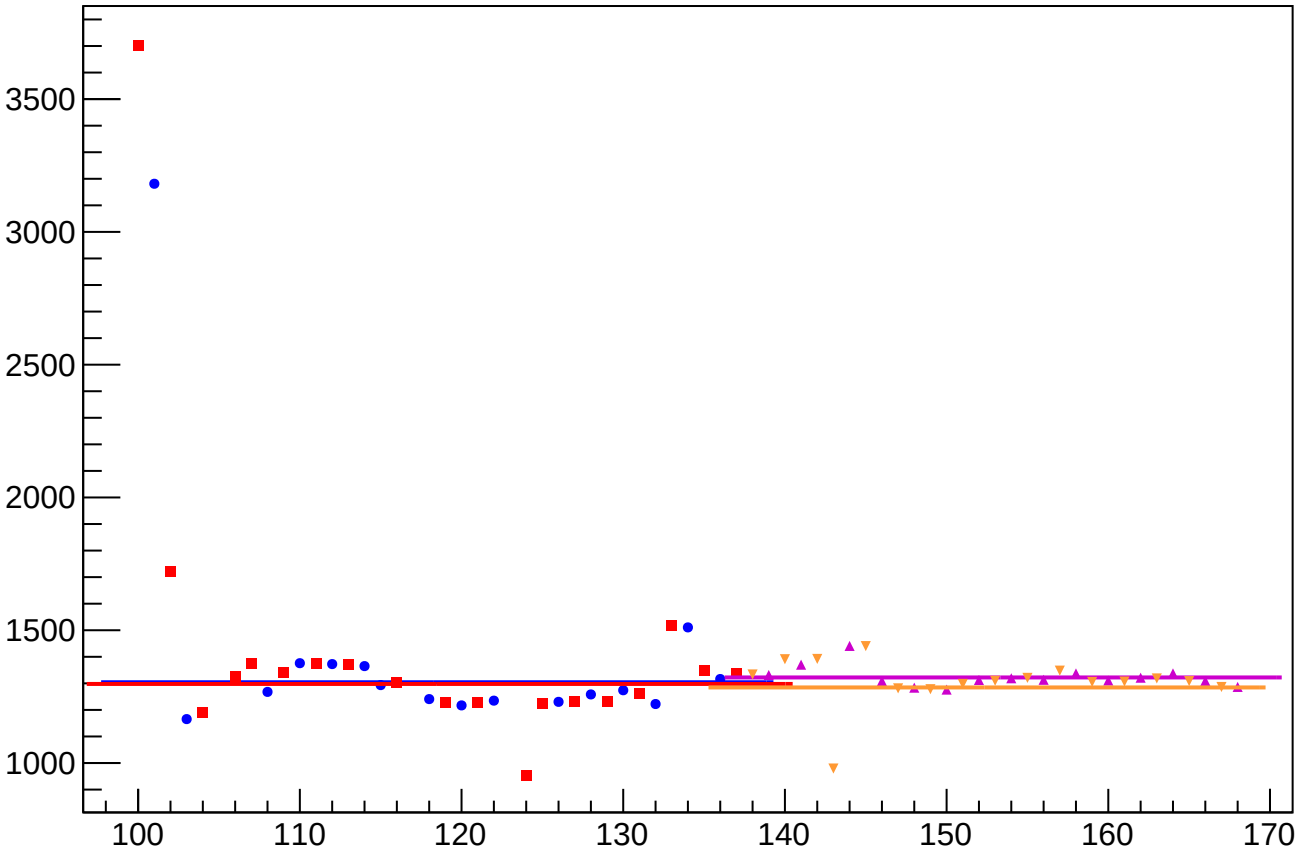
Left: 147.892+/-260.927 χ^2/NDF: 57.3/30

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

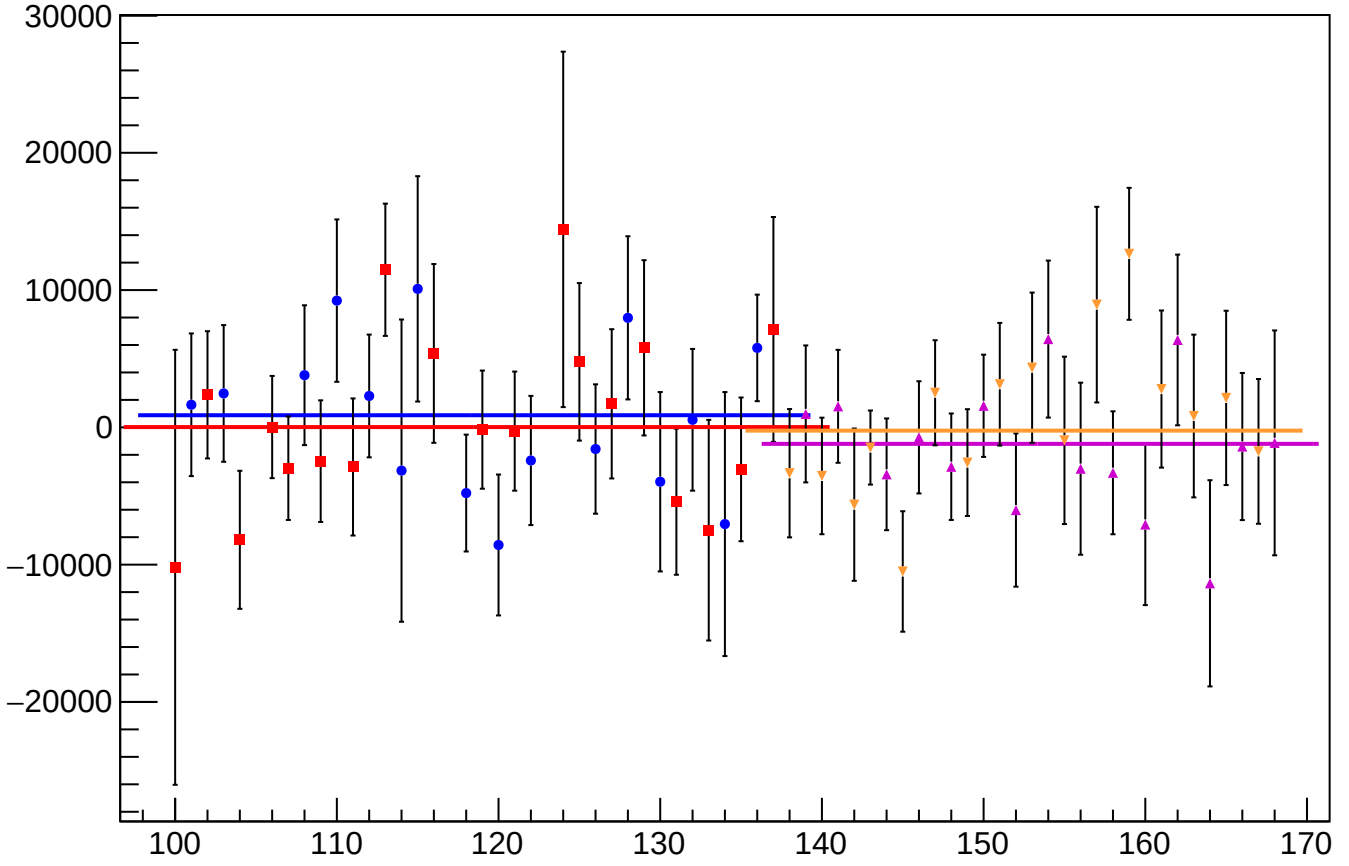
In: -644.992+/-298.978 χ^2/NDF:26.4/30

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -33.765+/-208.405 χ^2/NDF: 88.2/65


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1284.623+/-0.257 χ²/NDF:203050.9/15
Right Out: 1297.796+/-0.343 χ²/NDF: 213097.0/18
Left In: 1322.254+/-0.266 χ²/NDF:20621.1/14
Left: 1302.794+/-0.185 χ²/NDF: 234059.6/30
Right: 1300.891+/-0.245 χ²/NDF: 723852.4/34
In: 1315.610+/-0.211 χ²/NDF:532921.4/30
Out: 1289.348+/-0.205 χ²/NDF:417093.3/34
All: 1302.105+/-0.147 χ²/NDF: 957950.5/65

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -237.050+/-1154.096 χ^2/NDF:19.2/15

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1201.300+/-1271.511 χ^2/NDF:8.8/14

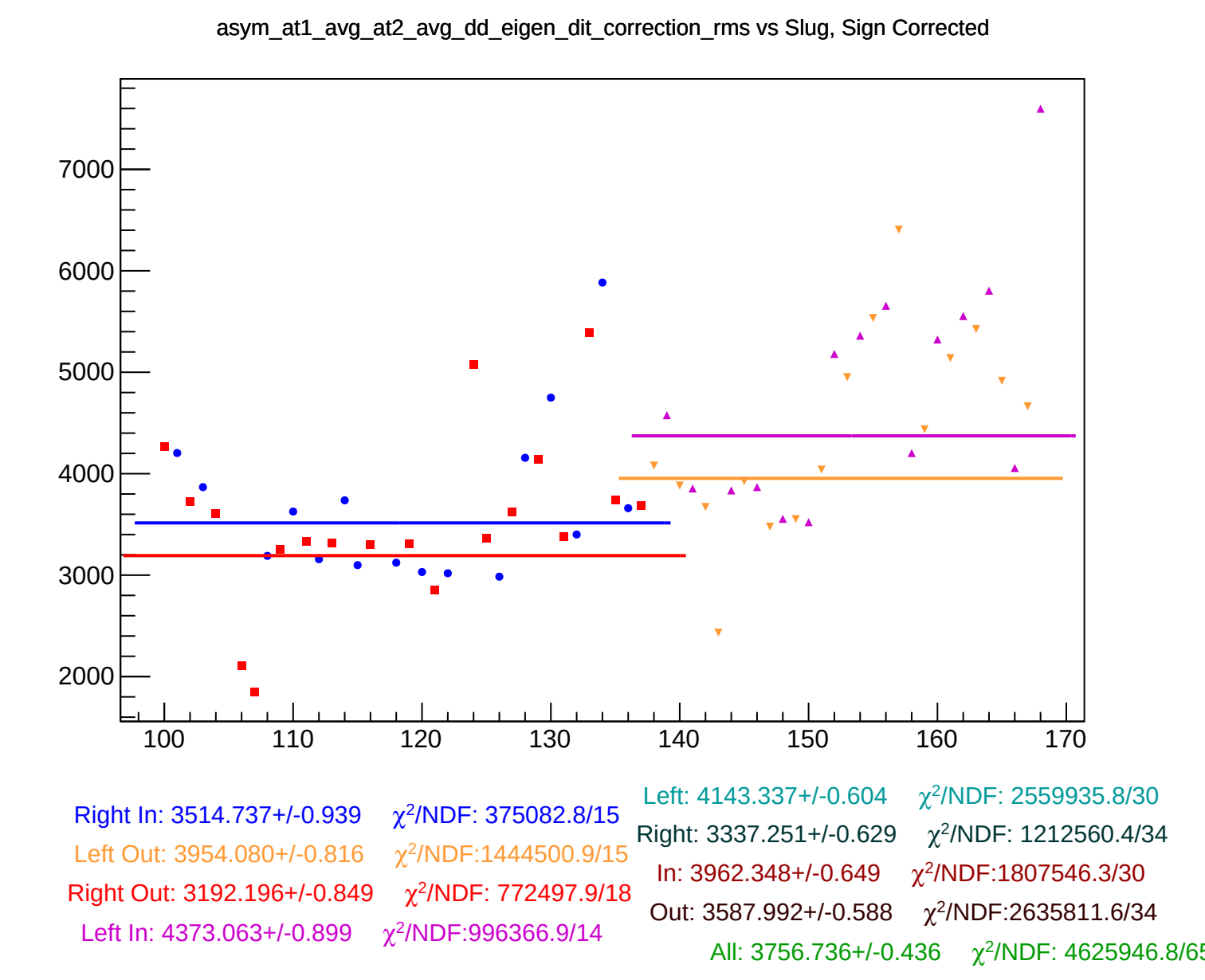
Left: -672.608+/-854.571 χ^2/NDF: 28.4/30

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -203.448+/-918.215 χ^2/NDF:24.2/30

Out: -113.211+/-831.828 χ^2/NDF:36.1/34

All: -153.886+/-616.475 χ^2/NDF: 60.3/65


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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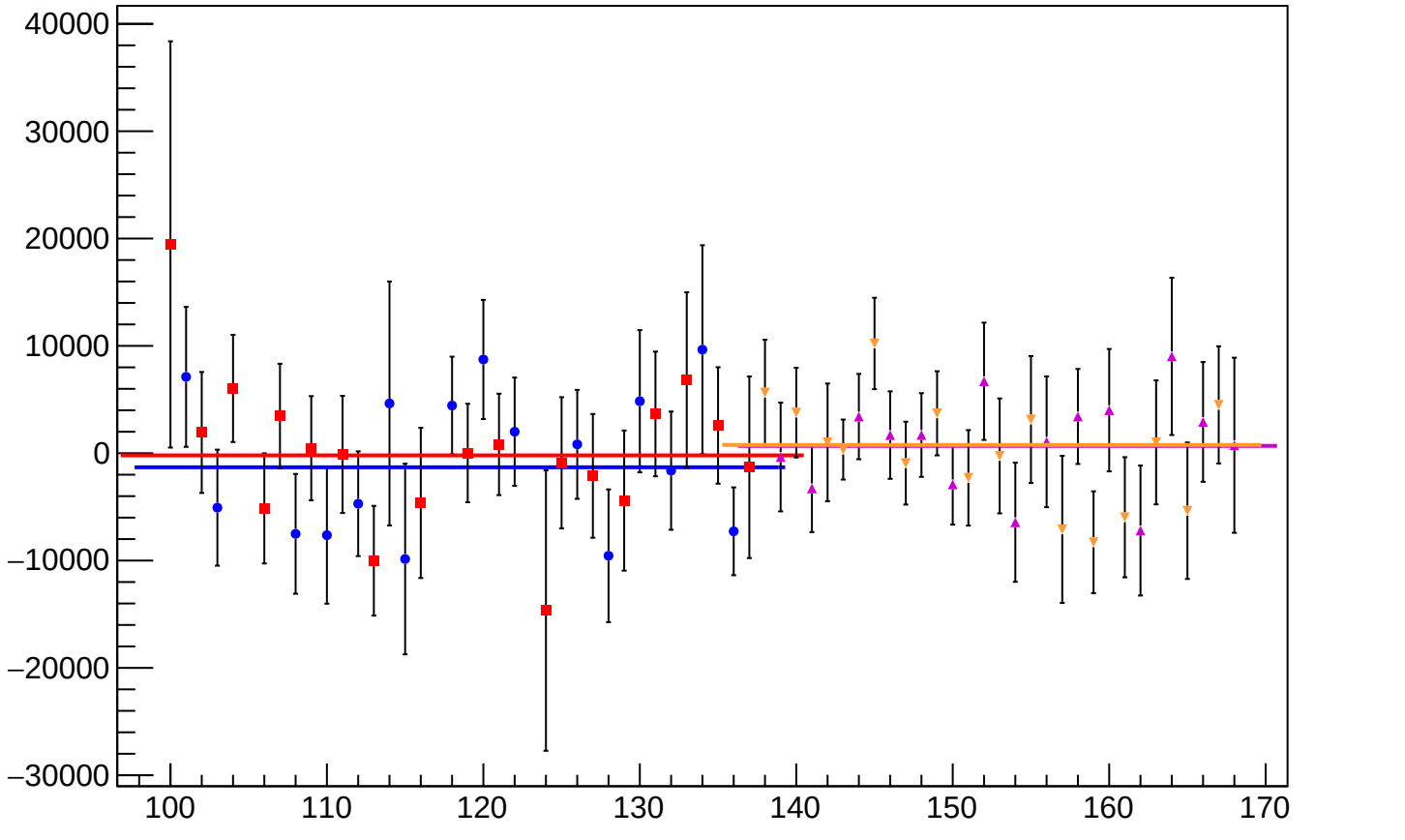
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3954.080+/-0.816 χ²/NDF:1444500.9/15
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4373.063+/-0.899 χ²/NDF:996366.9/14
Left: 4143.337+/-0.604 χ²/NDF: 2559935.8/30
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3962.348+/-0.649 χ²/NDF:1807546.3/30
Out: 3587.992+/-0.588 χ²/NDF:2635811.6/34
All: 3756.736+/-0.436 χ²/NDF: 4625946.8/65



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 683.377+/-1262.237 χ^2/NDF:9.2/14

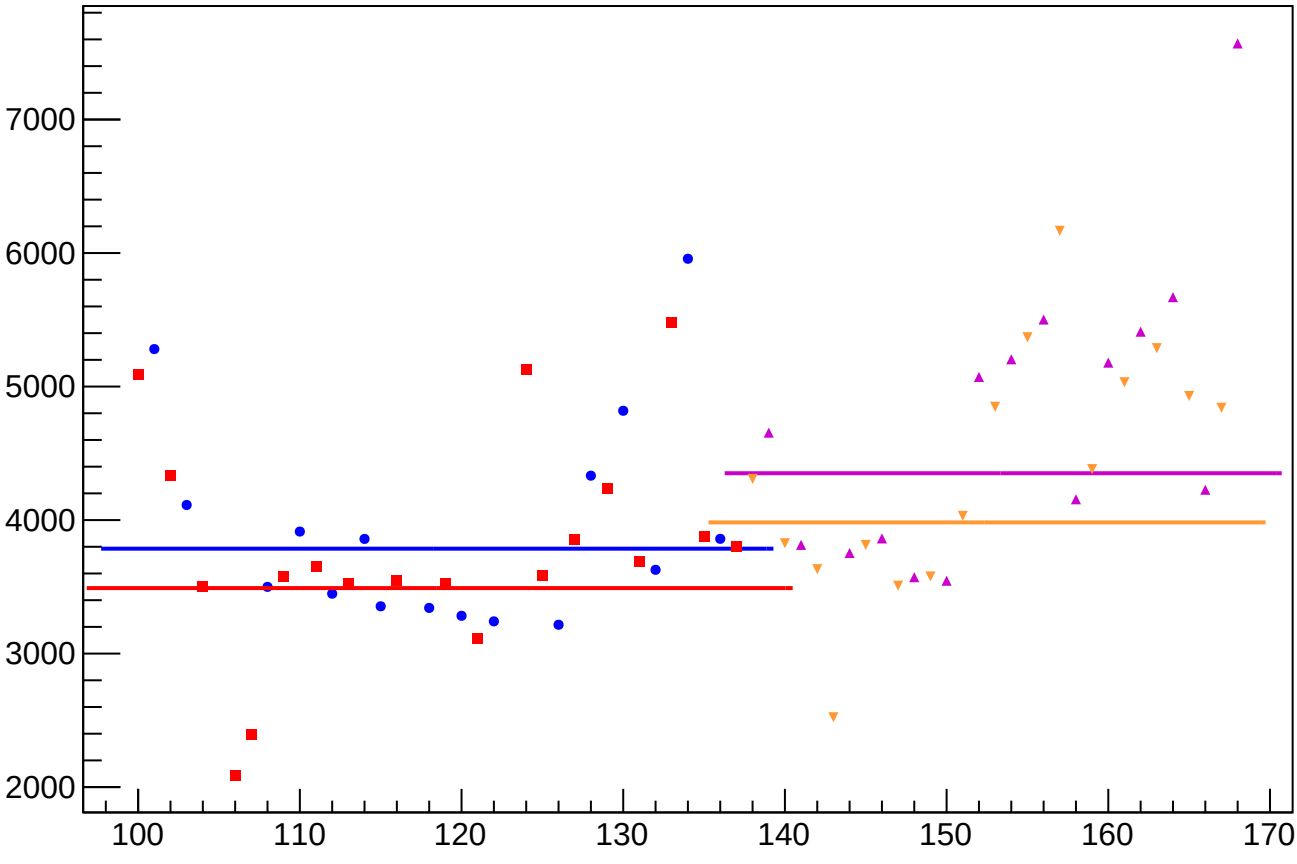
Left: 730.595+/-852.813 χ^2/NDF: 25.0/30

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -188.179+/-946.788 χ^2/NDF:27.9/30

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 104.314+/-642.415 χ^2/NDF: 55.7/65



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

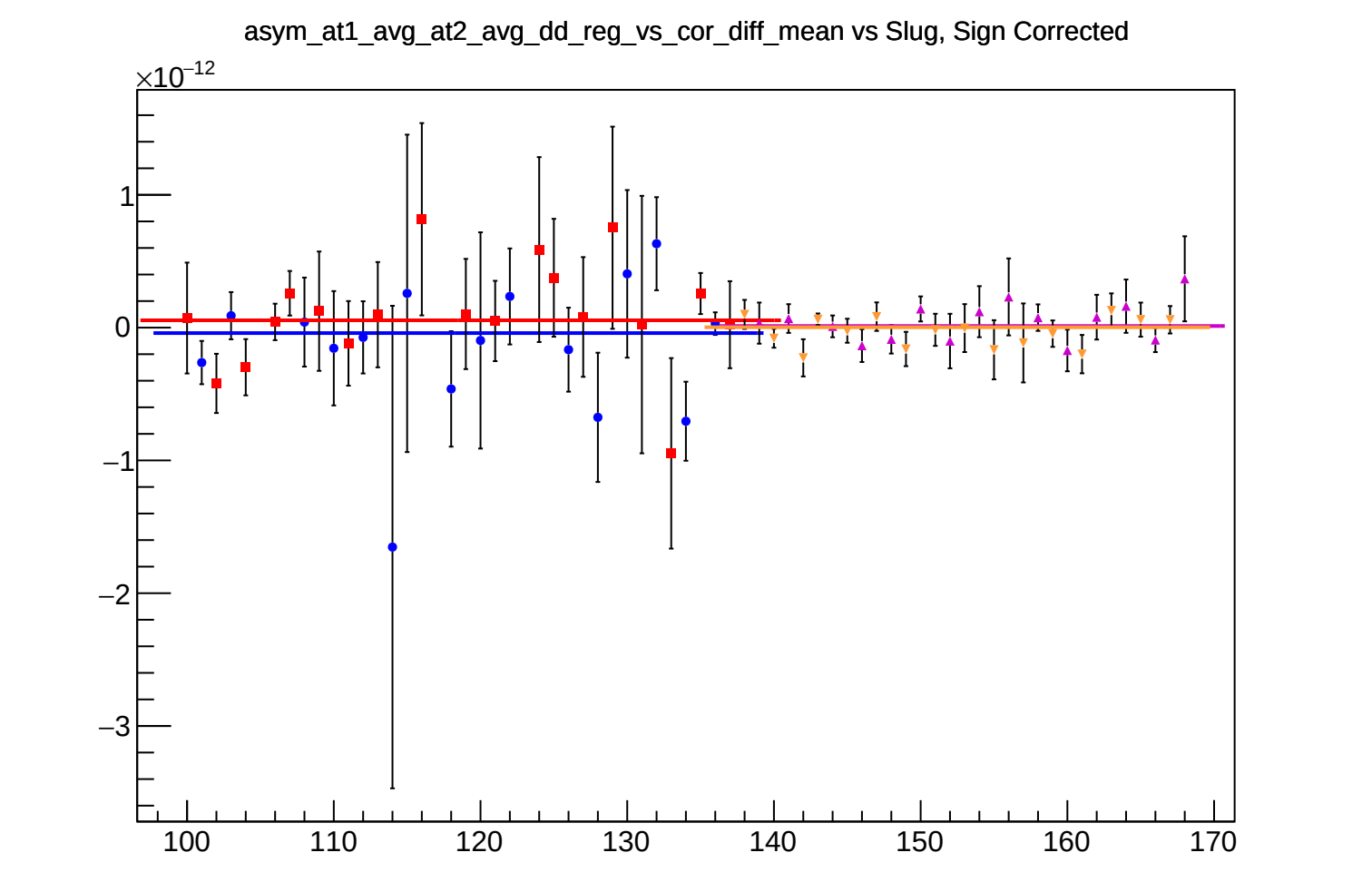
Left: 4150.710+/-0.603 χ^2/NDF: 2284677.4/30

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.711+/-0.669 χ^2/NDF:1484331.0/30

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/14

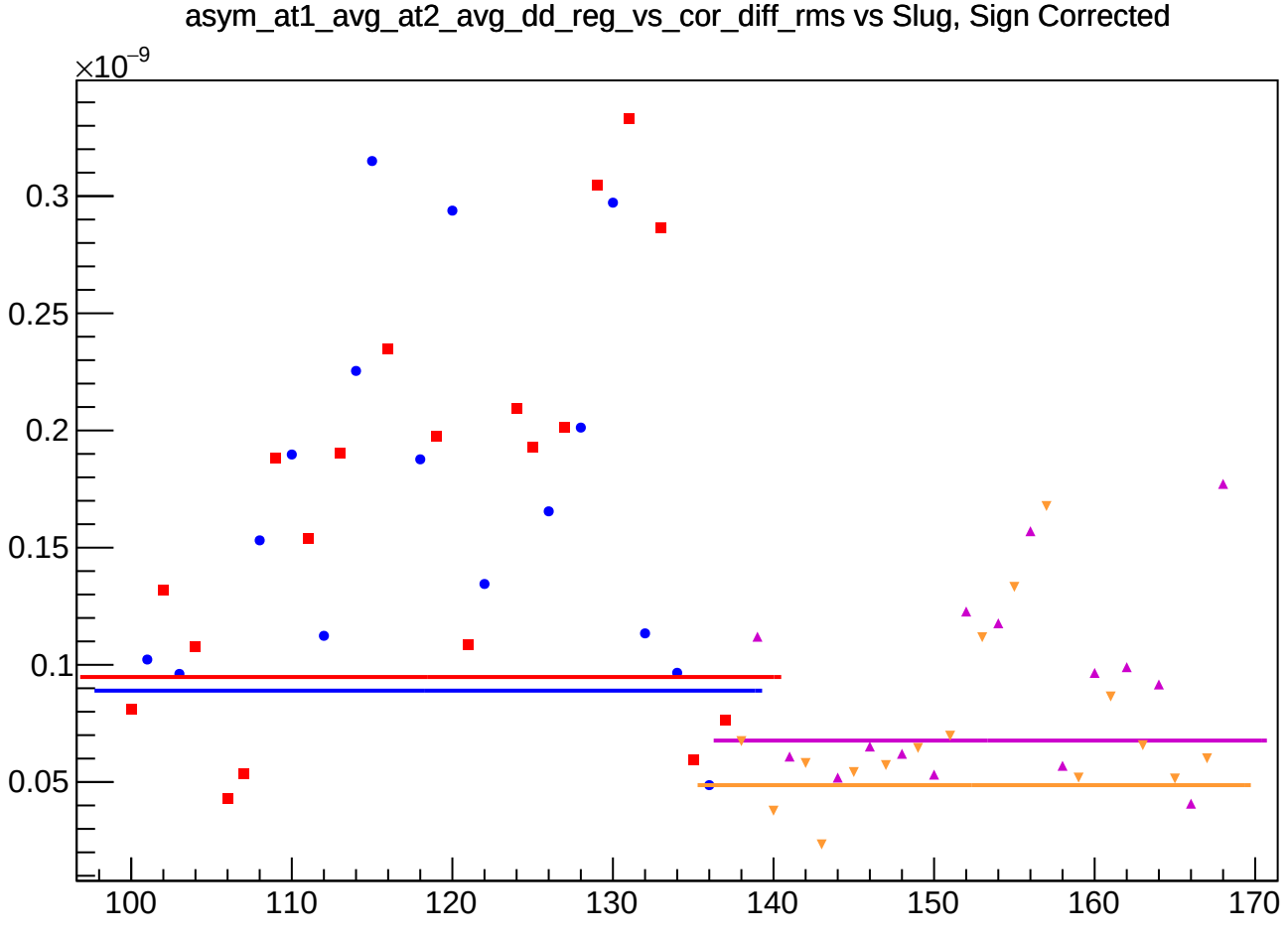
Left: 0.000+/-0.000 χ^2/NDF: 24.1/30

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: 0.000+/-0.000 χ^2/NDF: 57.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3734197.2/30

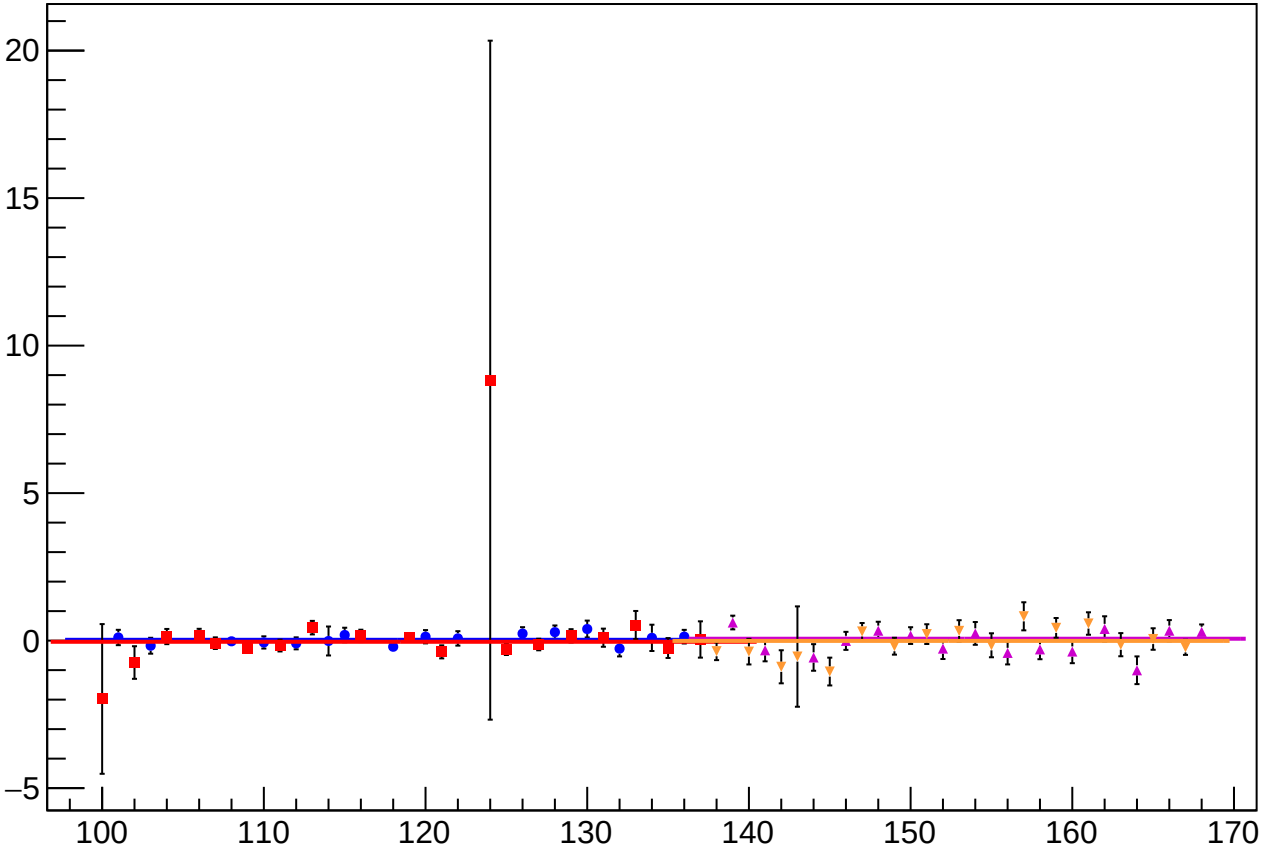
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3024684.6/30

Out: 0.000+/-0.000 χ^2/NDF:4580235.9/34

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

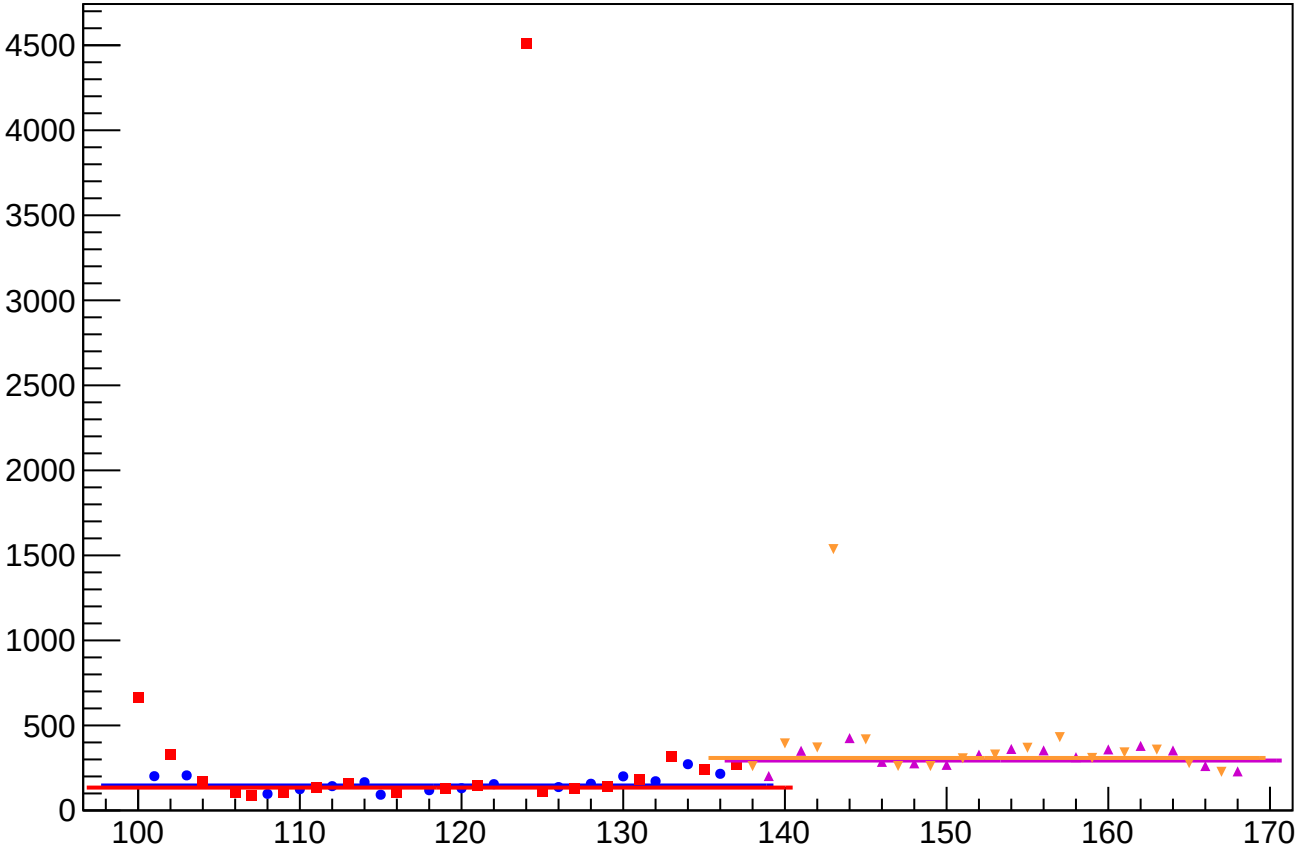
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

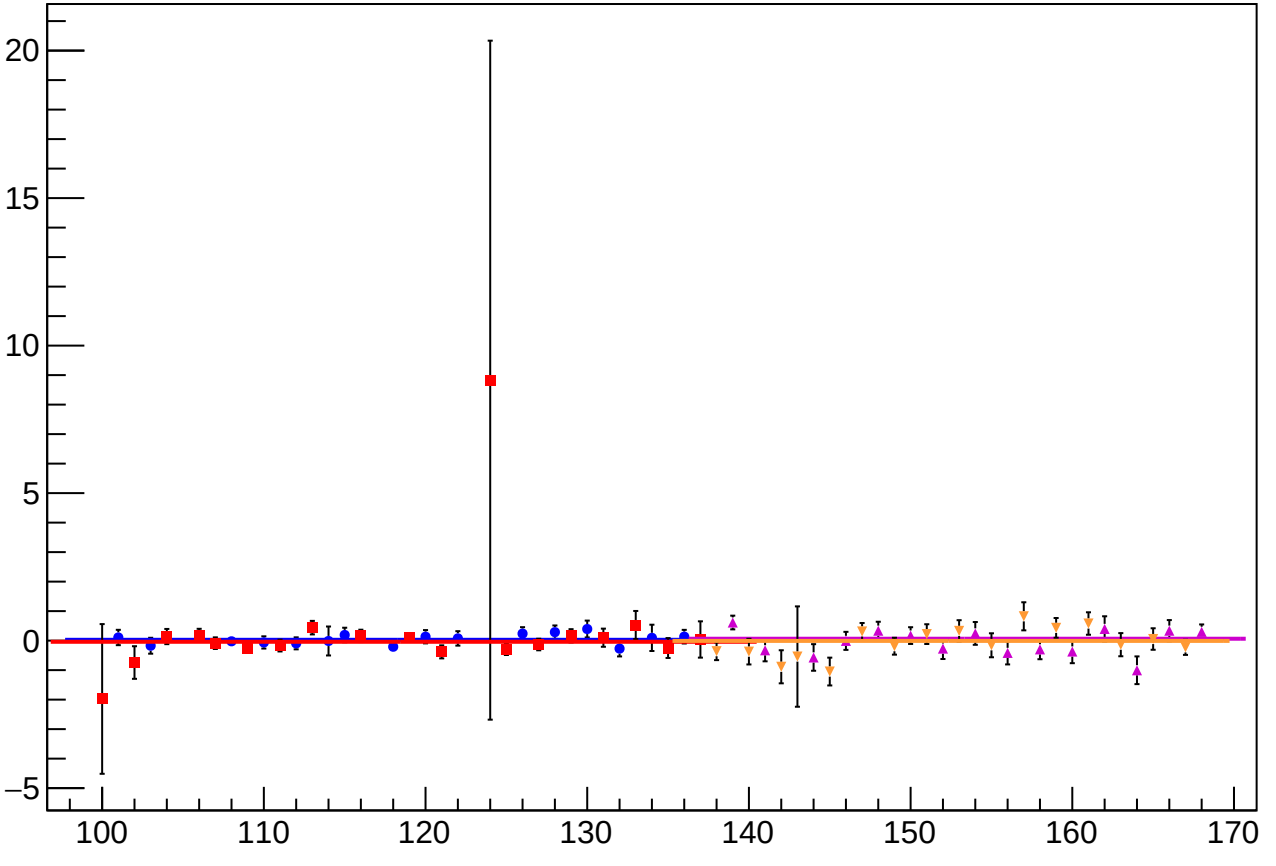
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

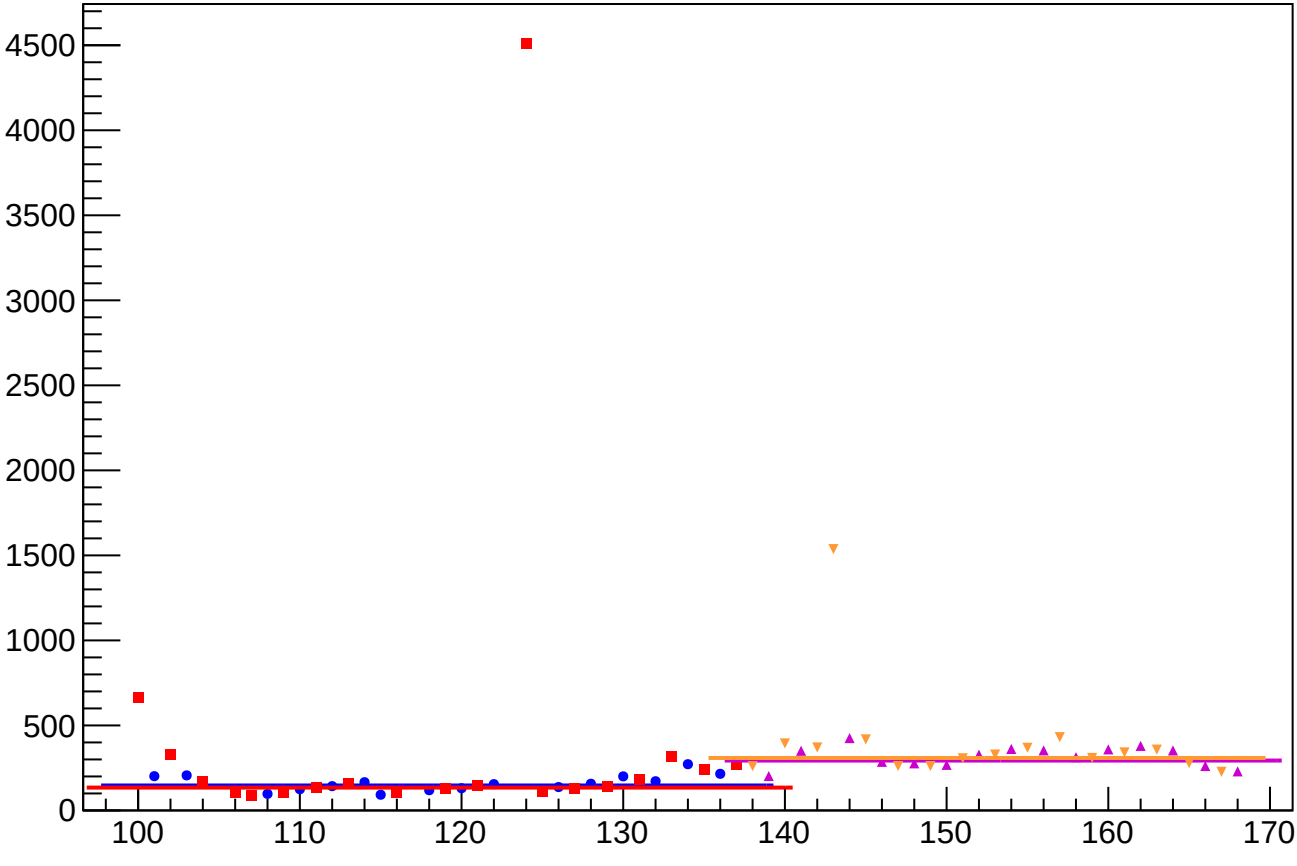
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

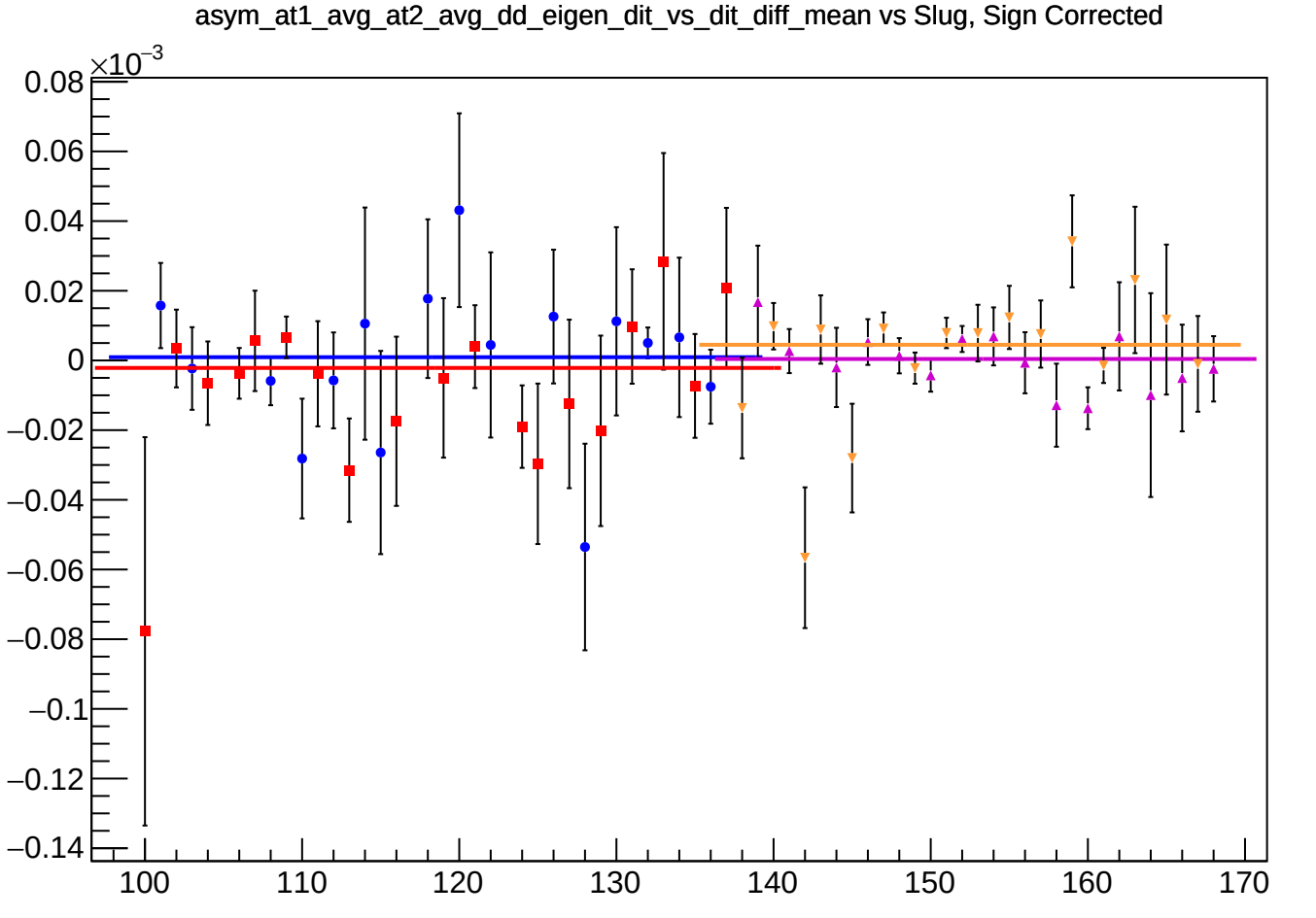
Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

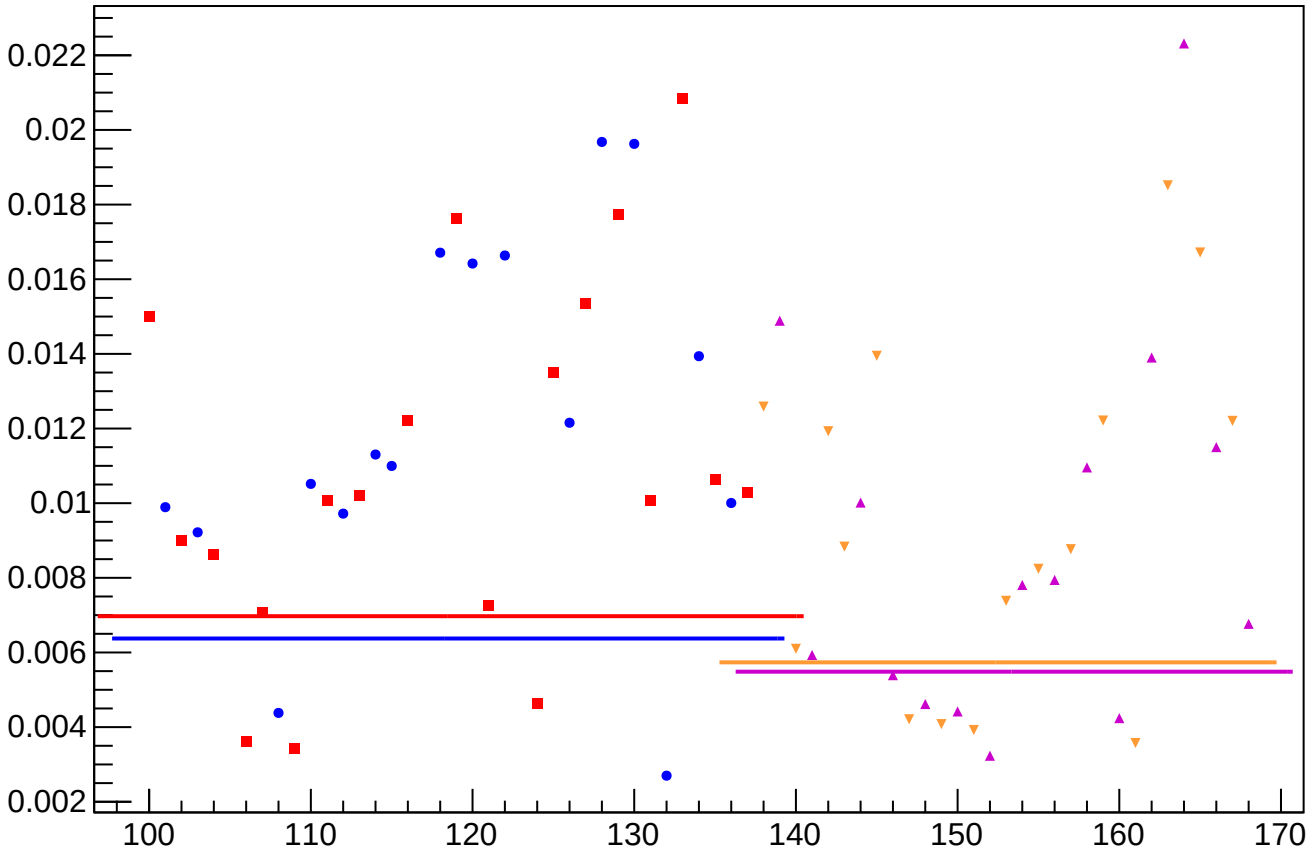
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:13.1/14
Left: 0.000+/-0.000 χ²/NDF: 43.8/30
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:28.0/30
Out: 0.000+/-0.000 χ²/NDF:47.8/34
All: 0.000+/-0.000 χ²/NDF: 76.7/65



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4308342.8/14

Left: 0.006+/-0.000 χ^2/NDF: 9547194.9/30

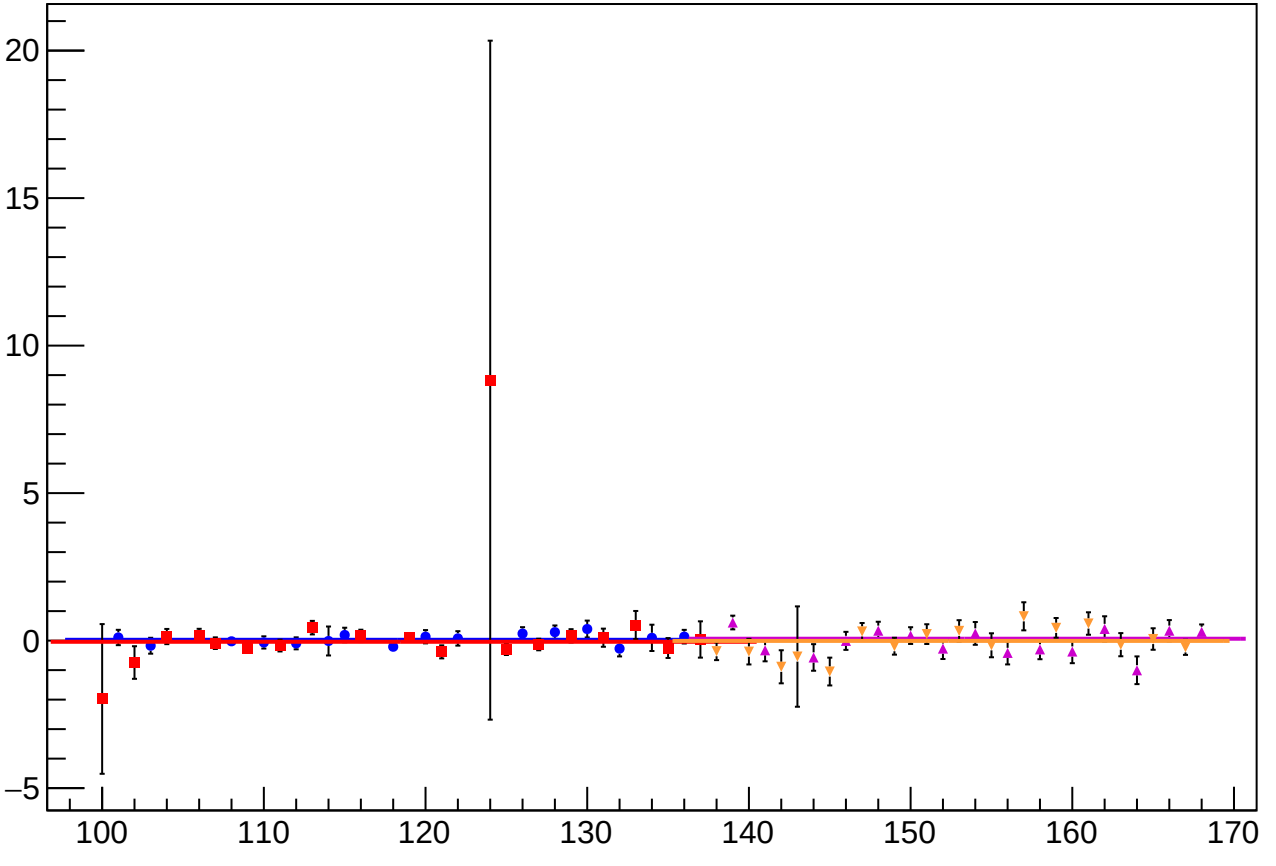
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9081038.5/30

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 18002791.7/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

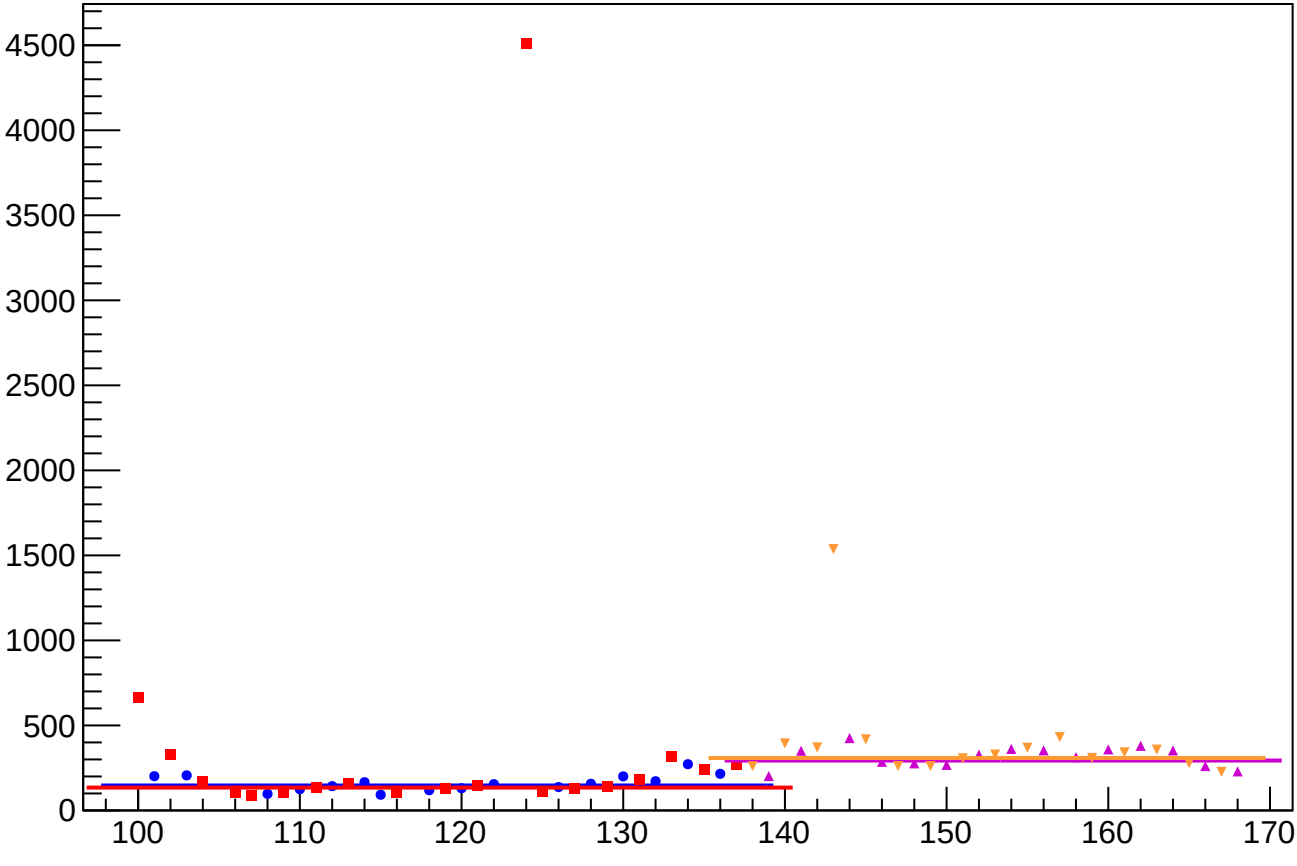
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

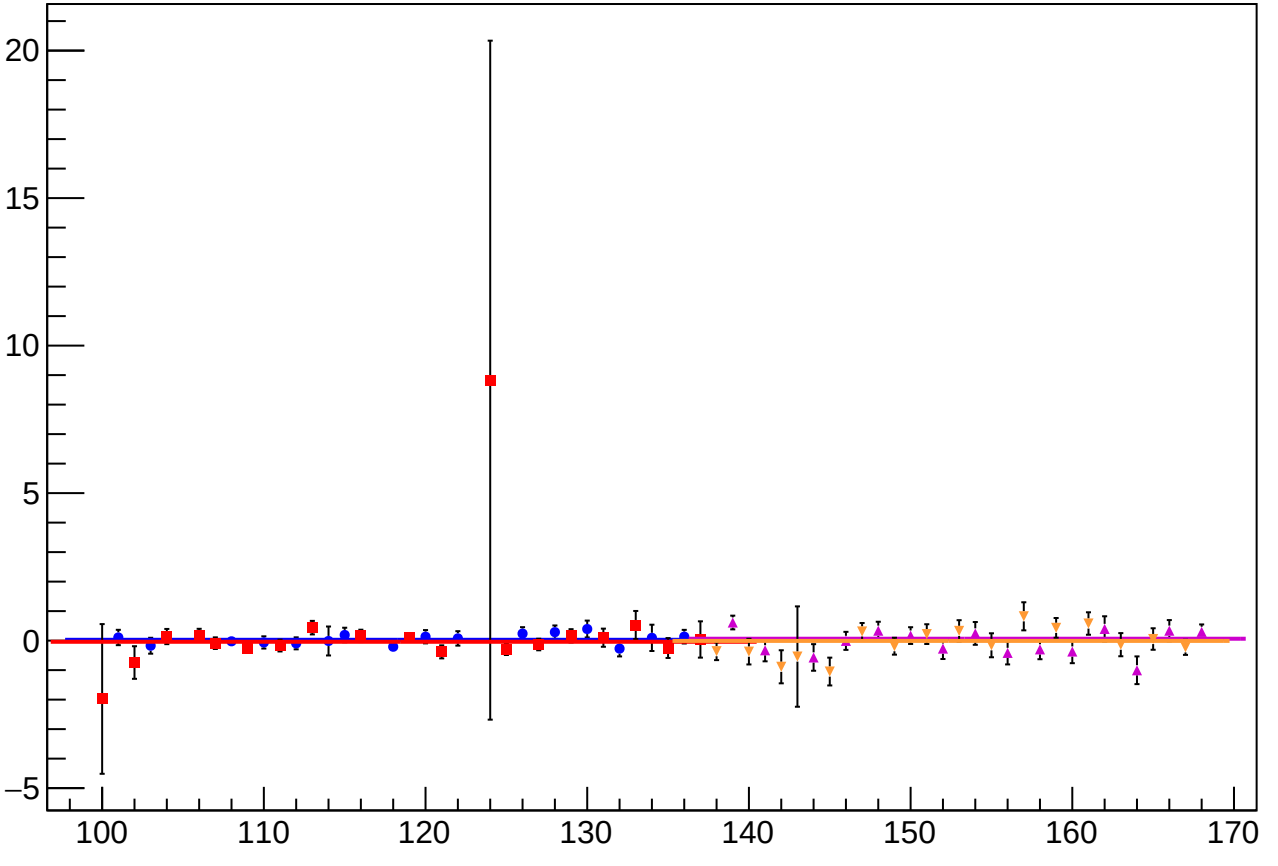
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

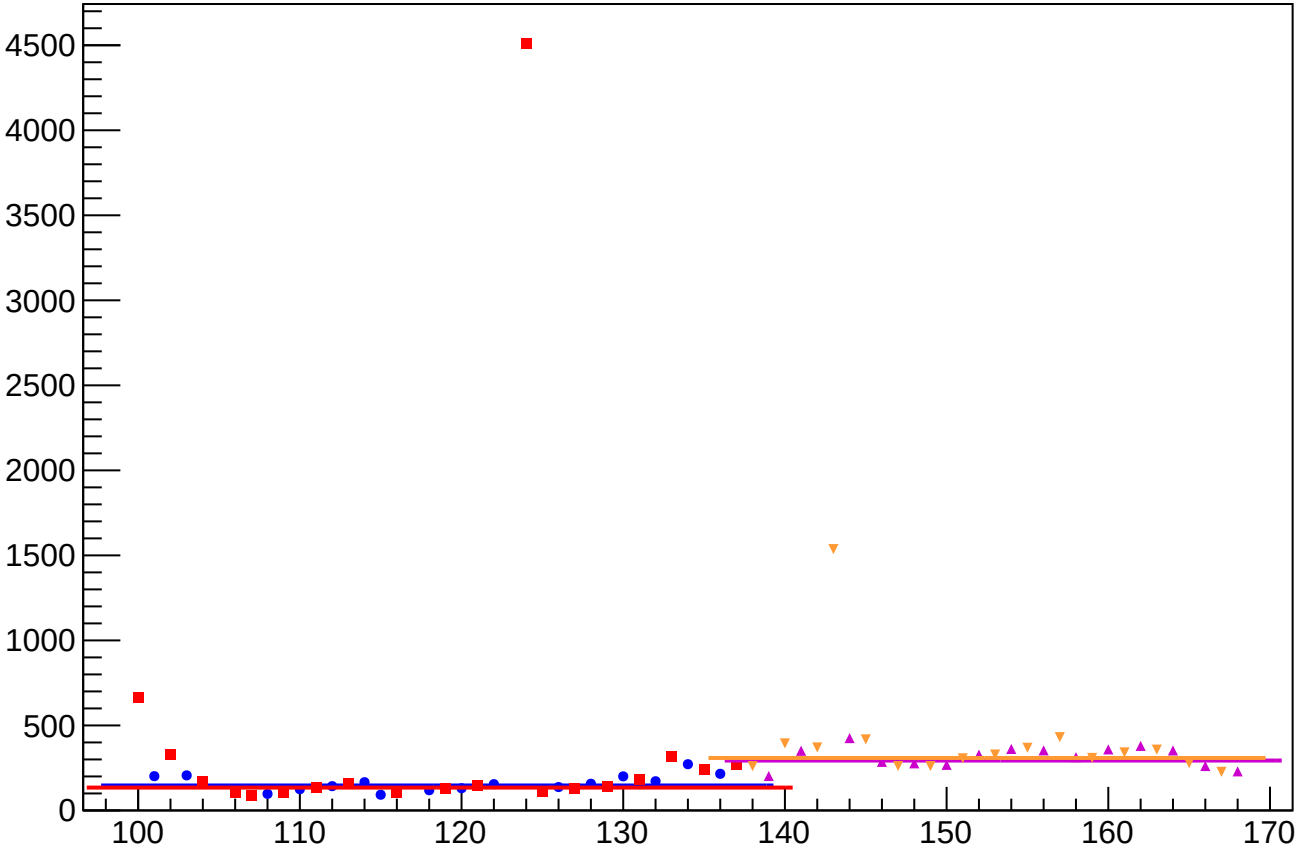
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

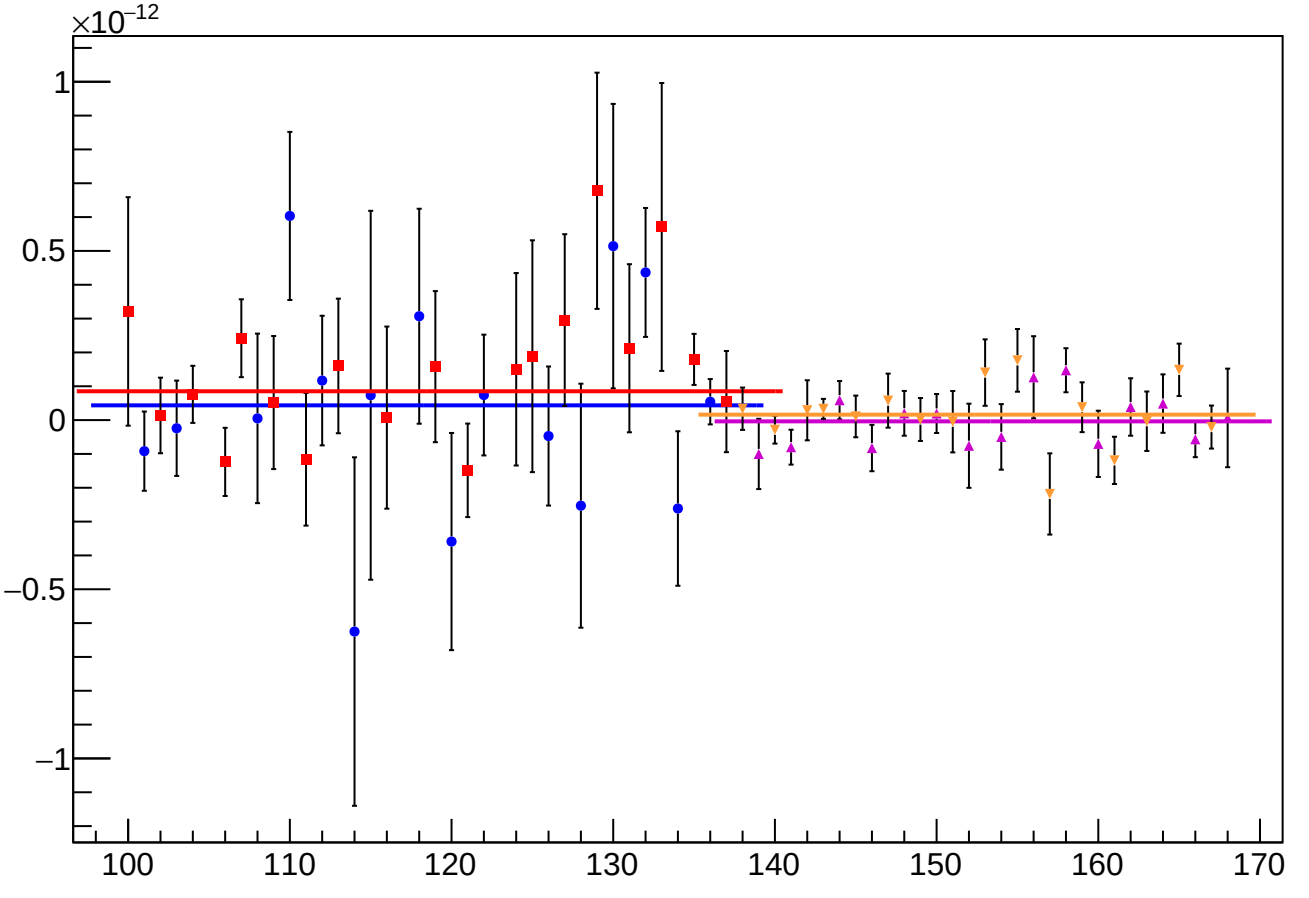
Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/14

Left: 0.000+/-0.000 χ^2/NDF: 33.3/30

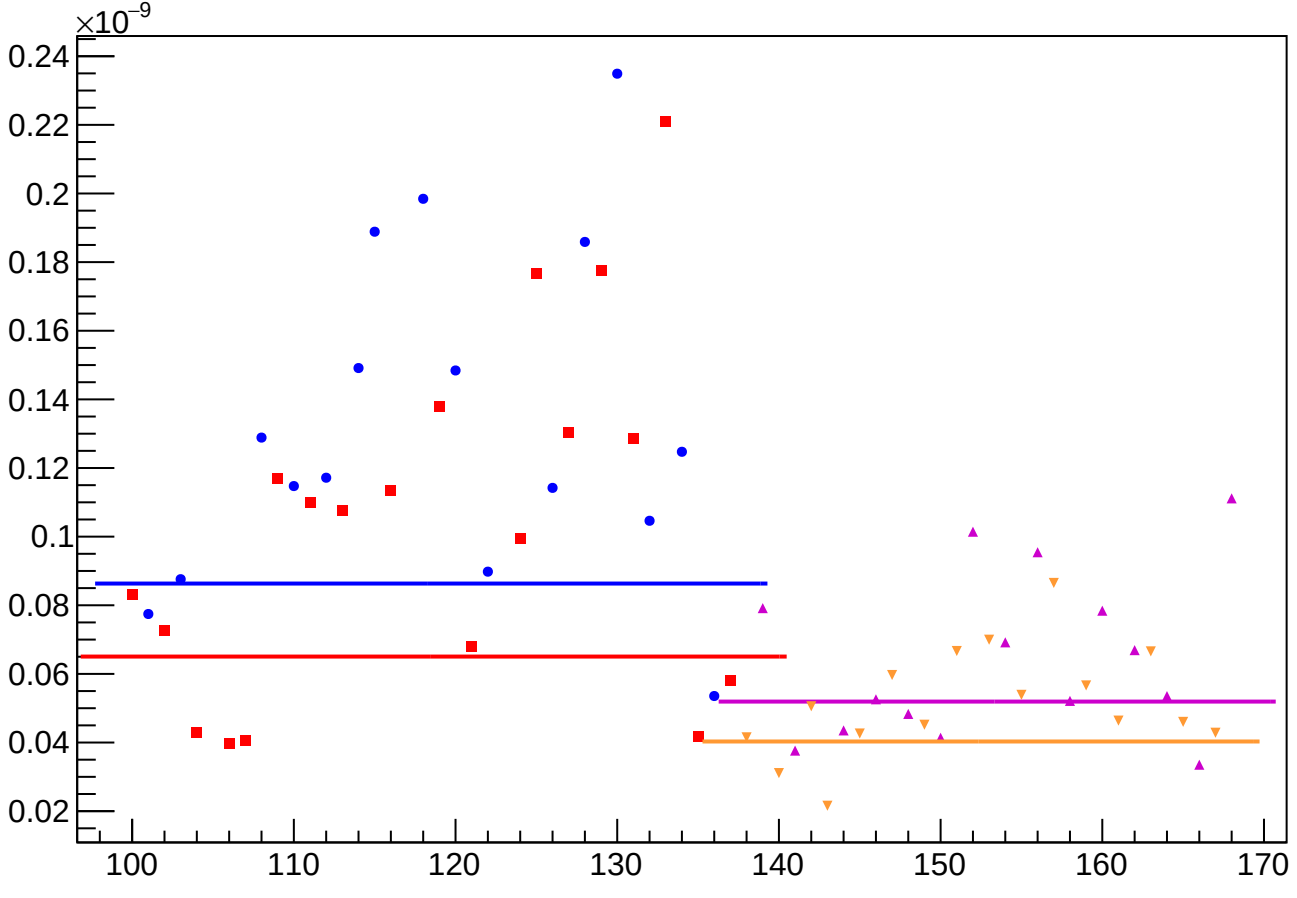
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/65

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

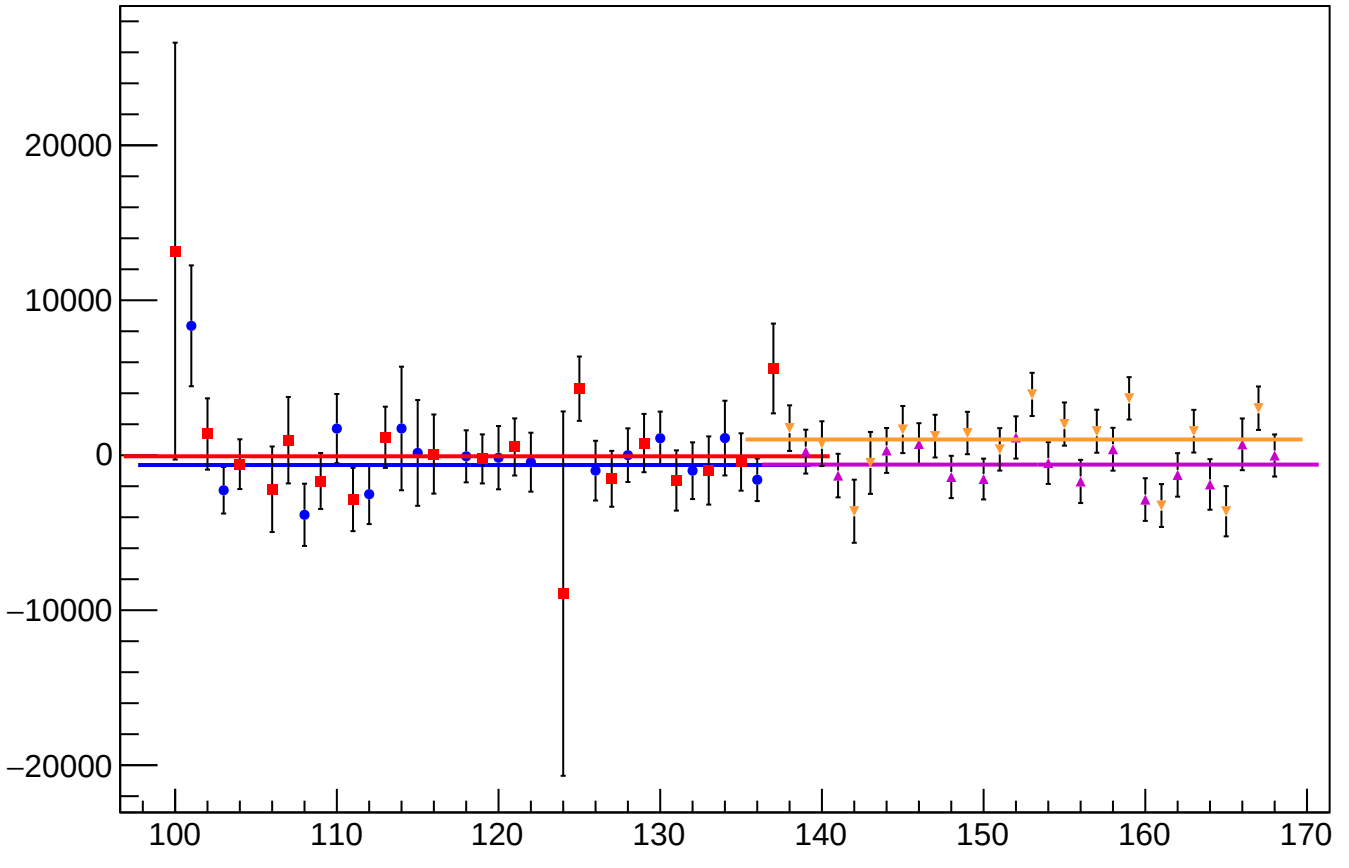
Left: 0.000+/-0.000 χ^2/NDF: 4332710.5/30

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4475062.6/30

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.080+/-365.671 χ^2/NDF:35.2/15

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -602.937+/-363.027 χ^2/NDF:9.9/14

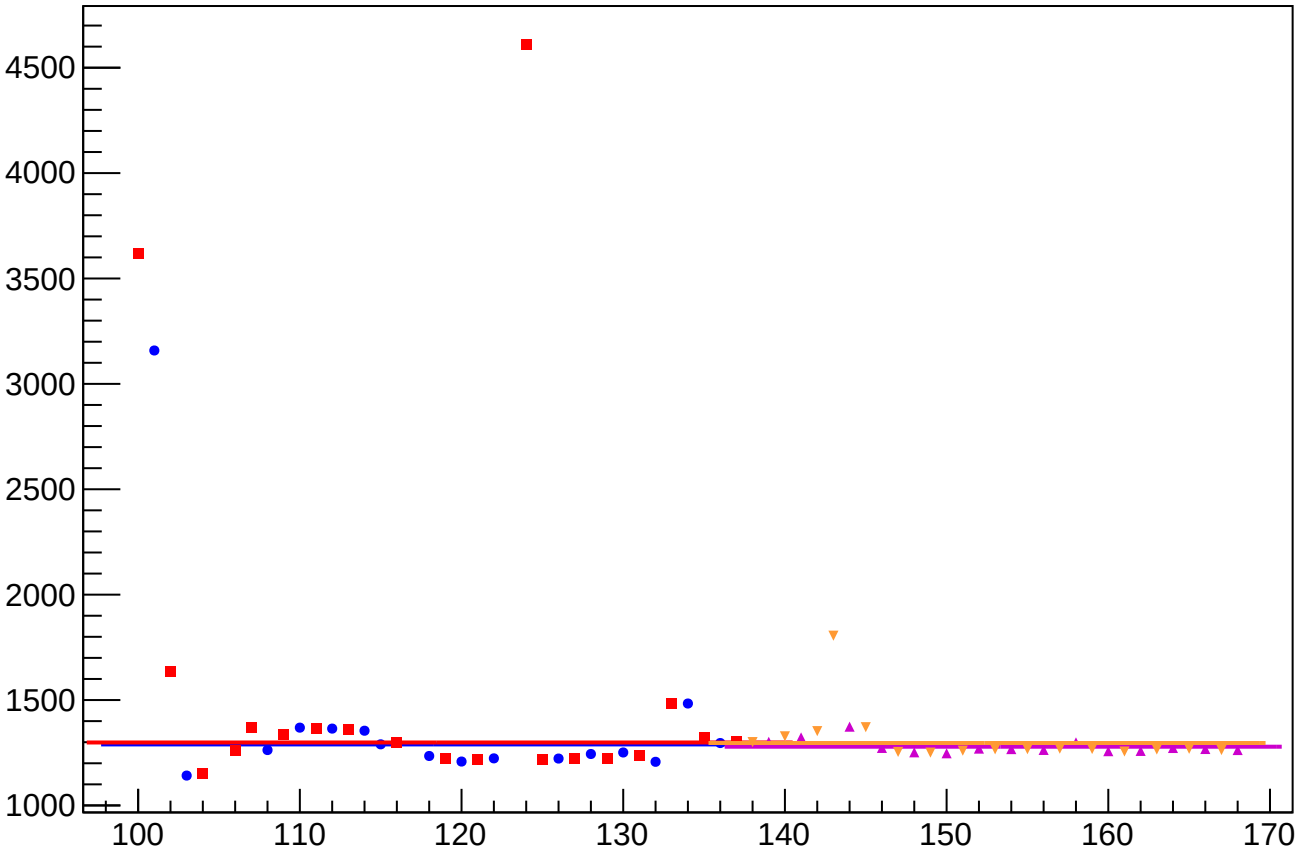
Left: 201.691+/-257.629 χ^2/NDF: 55.0/30

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -612.932+/-291.412 χ^2/NDF:23.8/30

Out: 627.425+/-292.580 χ^2/NDF:54.2/34

All: 4.767+/-206.471 χ^2/NDF: 87.1/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

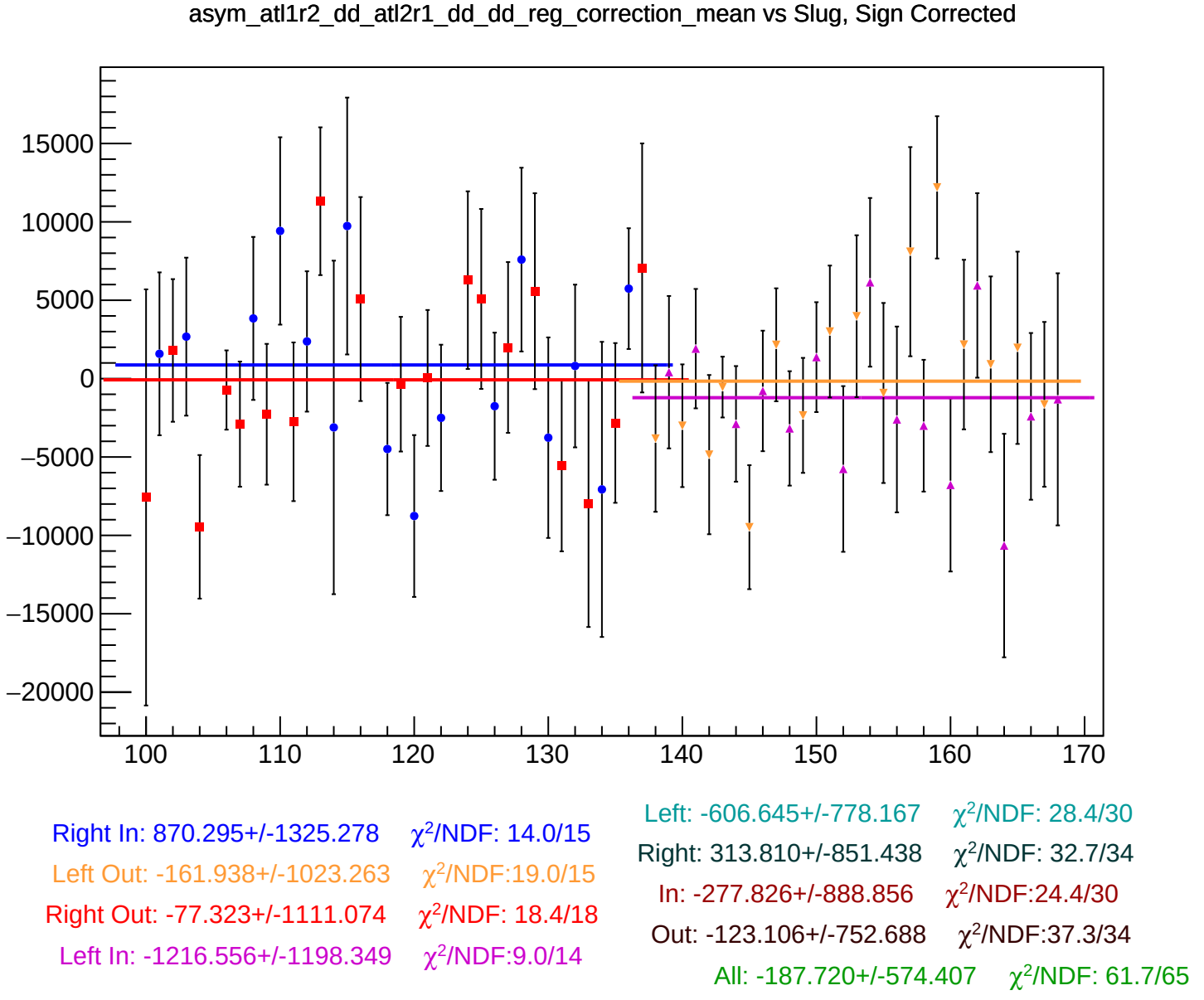
Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

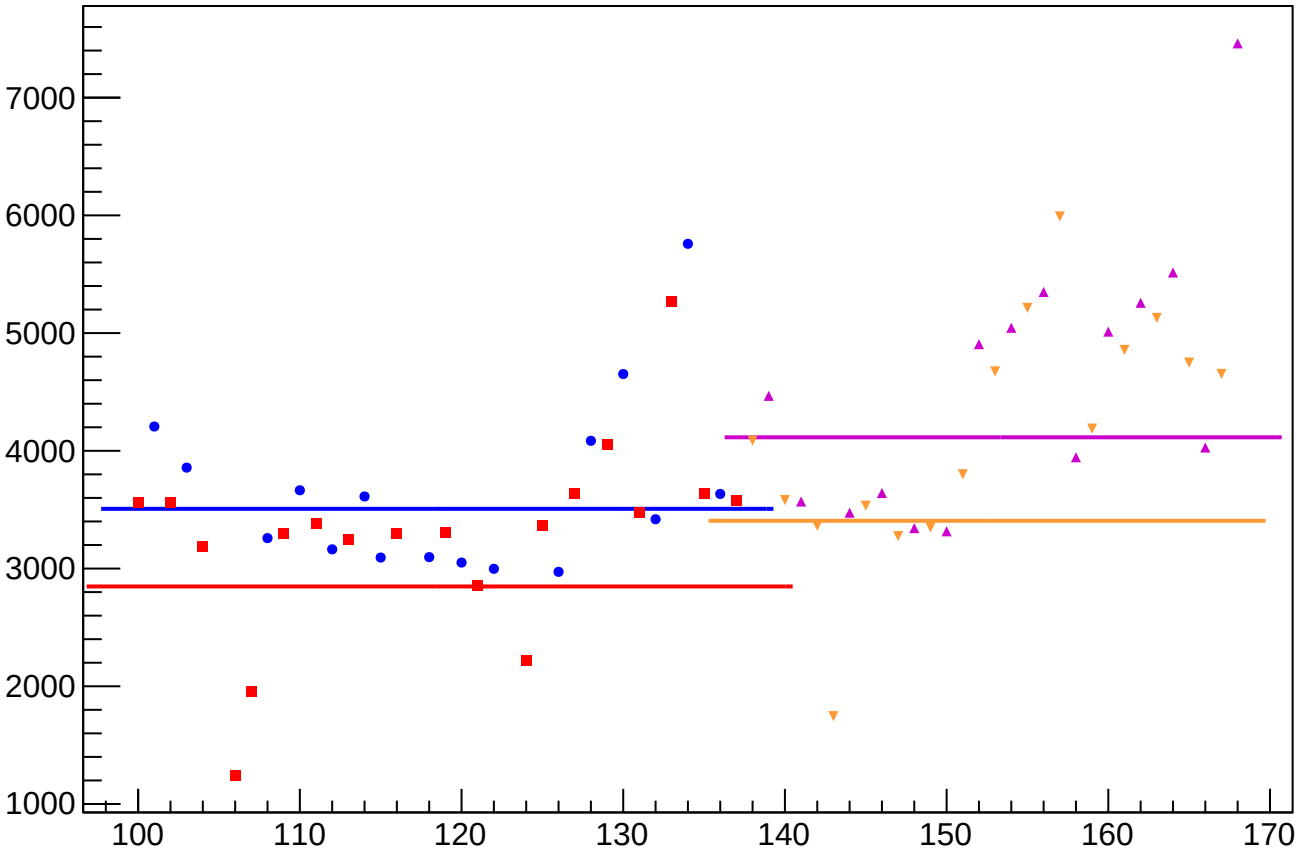
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1282.472+/-0.206 χ^2/NDF:530522.1/30

Out: 1297.050+/-0.207 χ^2/NDF:469995.2/34

All: 1289.739+/-0.146 χ^2/NDF: 1003012.3/65


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -161.938+/-1023.263 χ²/NDF:19.0/15
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1216.556+/-1198.349 χ²/NDF:9.0/14
Left: -606.645+/-778.167 χ²/NDF: 28.4/30
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -277.826+/-888.856 χ²/NDF:24.4/30
Out: -123.106+/-752.688 χ²/NDF:37.3/34
All: -187.720+/-574.407 χ²/NDF: 61.7/65



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3405.727+/-0.724 χ^2/NDF:2754433.7/15

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.845+/-0.847 χ^2/NDF:1081883.1/14

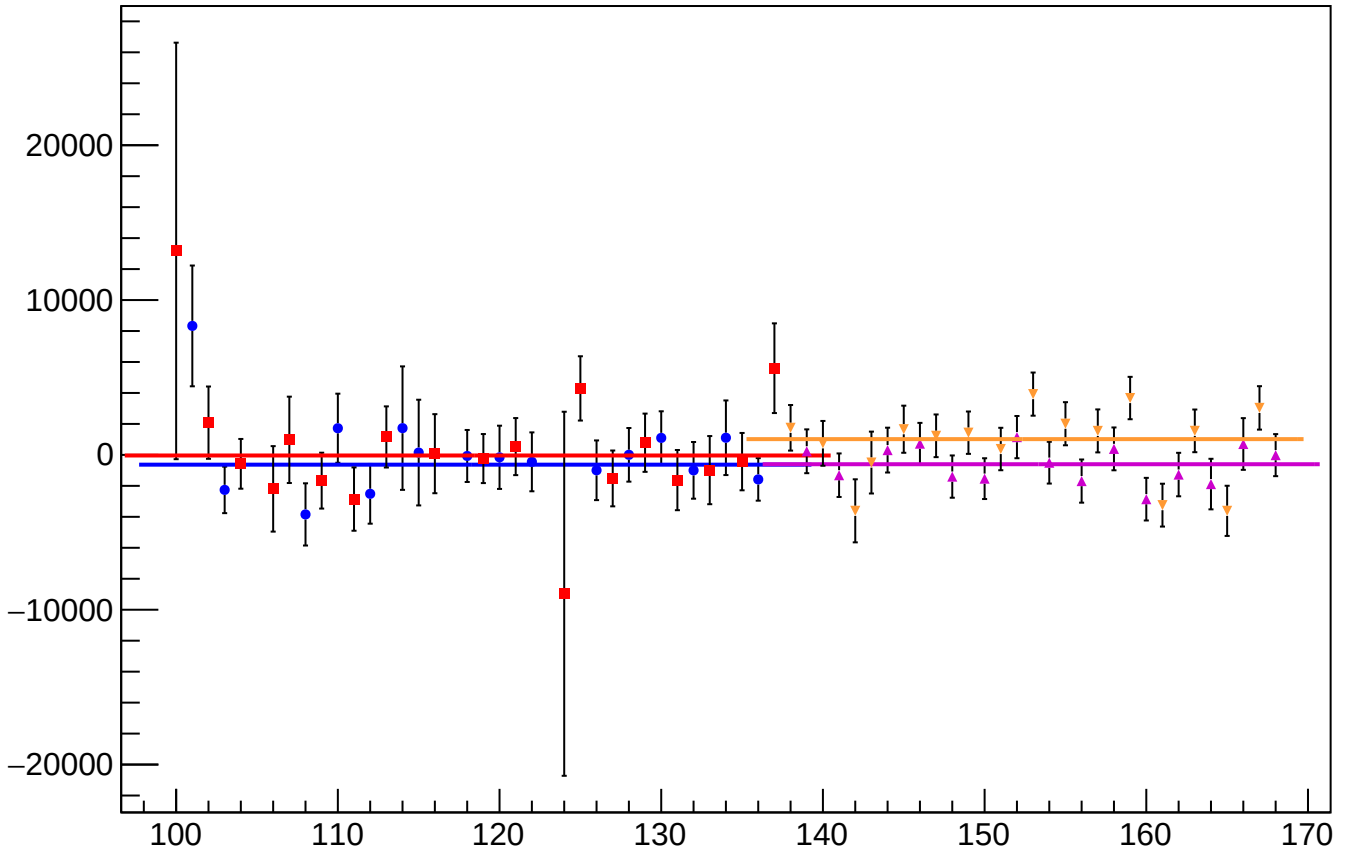
Left: 3704.745+/-0.550 χ^2/NDF: 4241331.6/30

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3841.596+/-0.629 χ^2/NDF:1667031.3/30

Out: 3149.694+/-0.532 χ^2/NDF:4526644.1/34

All: 3438.643+/-0.406 χ^2/NDF: 6899449.6/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

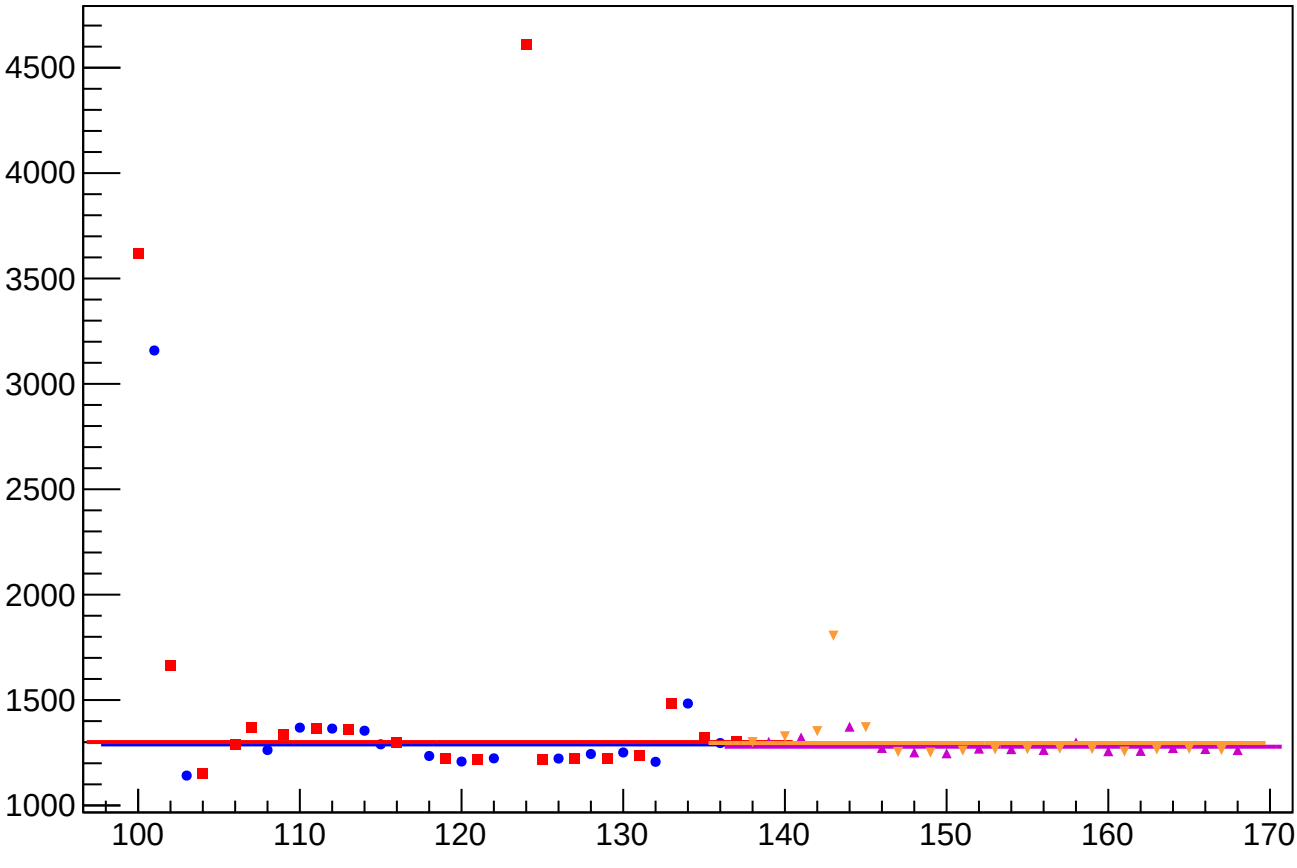
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

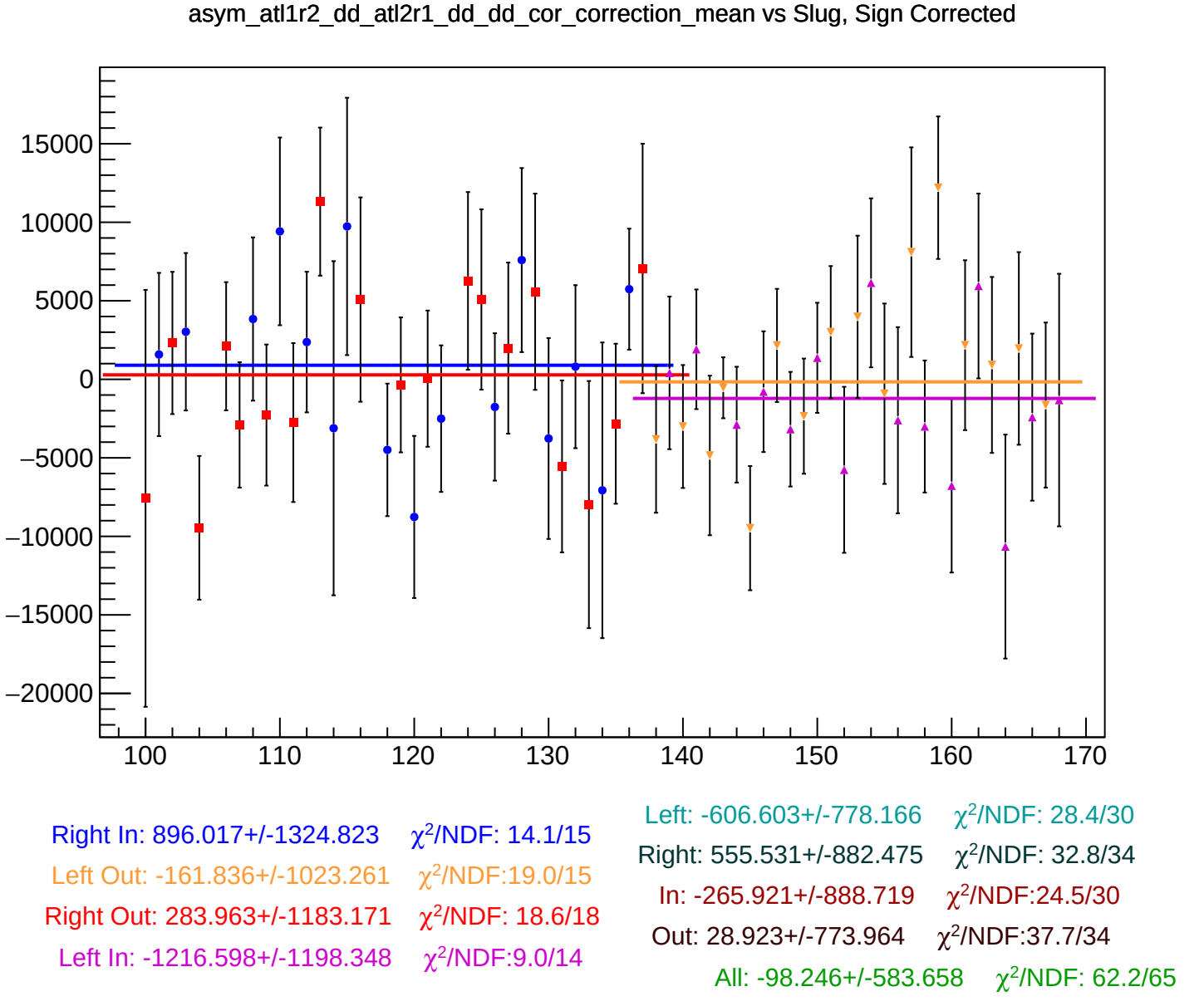
Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

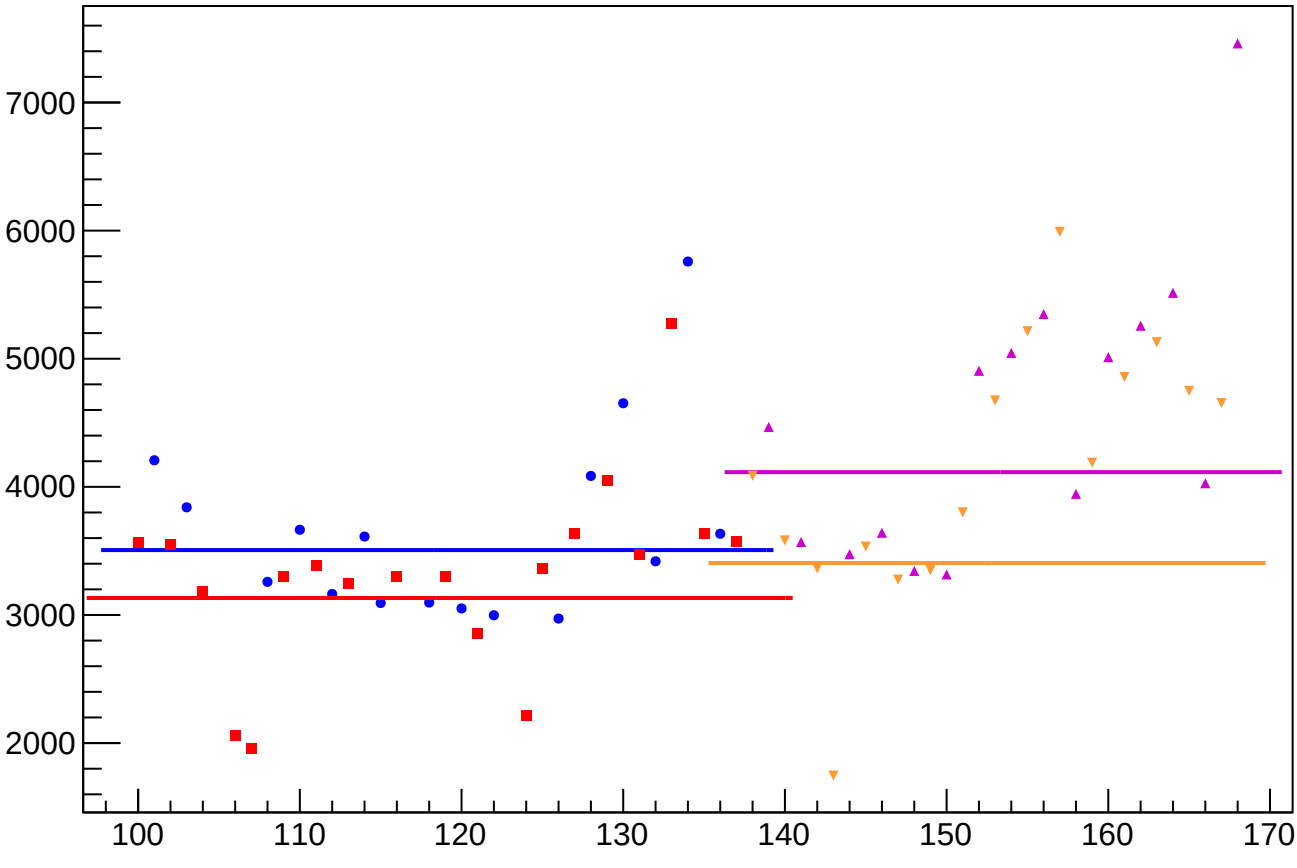
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -161.836+/-1023.261 χ²/NDF:19.0/15
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1216.598+/-1198.348 χ²/NDF:9.0/14
Left: -606.603+/-778.166 χ²/NDF: 28.4/30
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -265.921+/-888.719 χ²/NDF:24.5/30
Out: 28.923+/-773.964 χ²/NDF:37.7/34
All: -98.246+/-583.658 χ²/NDF: 62.2/65



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

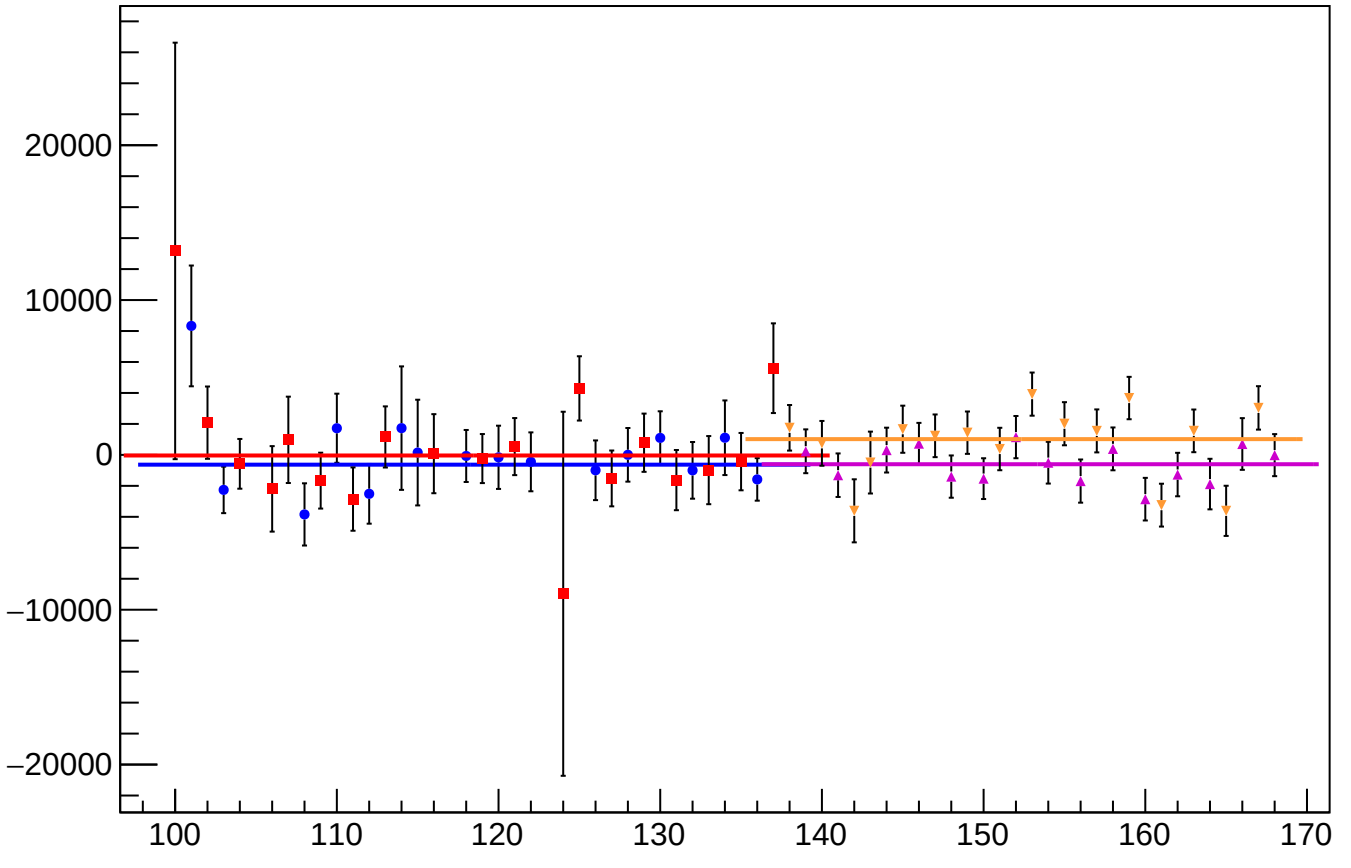
Left: 3704.737+/-0.550 χ^2/NDF: 4241370.7/30

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3841.080+/-0.628 χ^2/NDF:1667071.2/30

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1018.118+/-365.671 χ^2/NDF:35.2/15

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -602.935+/-363.027 χ^2/NDF:9.9/14

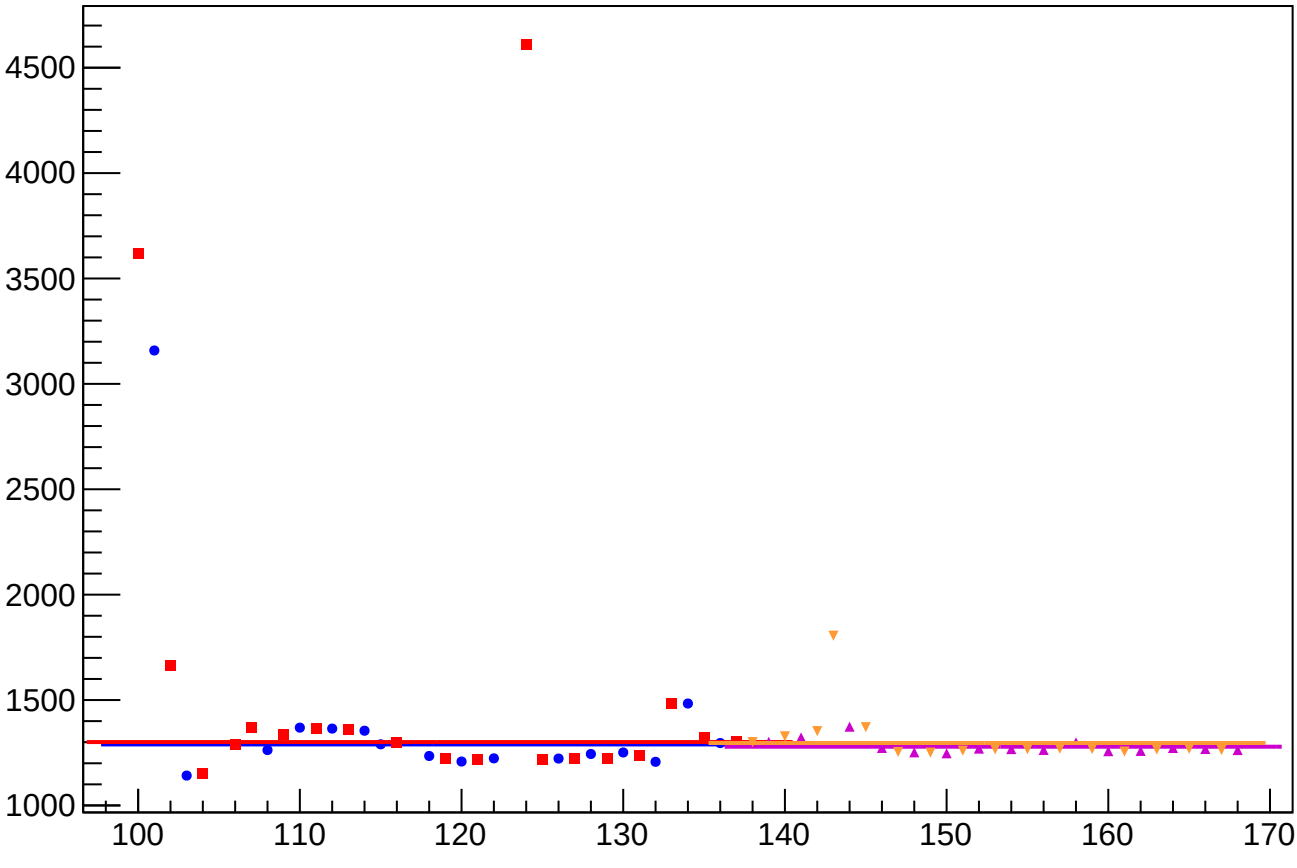
Left: 201.711+/-257.629 χ^2/NDF: 55.0/30

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -613.067+/-291.412 χ^2/NDF:23.8/30

Out: 638.213+/-292.649 χ^2/NDF:54.5/34

All: 9.922+/-206.496 χ^2/NDF: 87.5/65



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1296.143+/-0.259 χ^2/NDF:150586.2/15

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1278.611+/-0.257 χ^2/NDF:15211.1/14

Left: 1287.314+/-0.182 χ^2/NDF: 168112.6/30

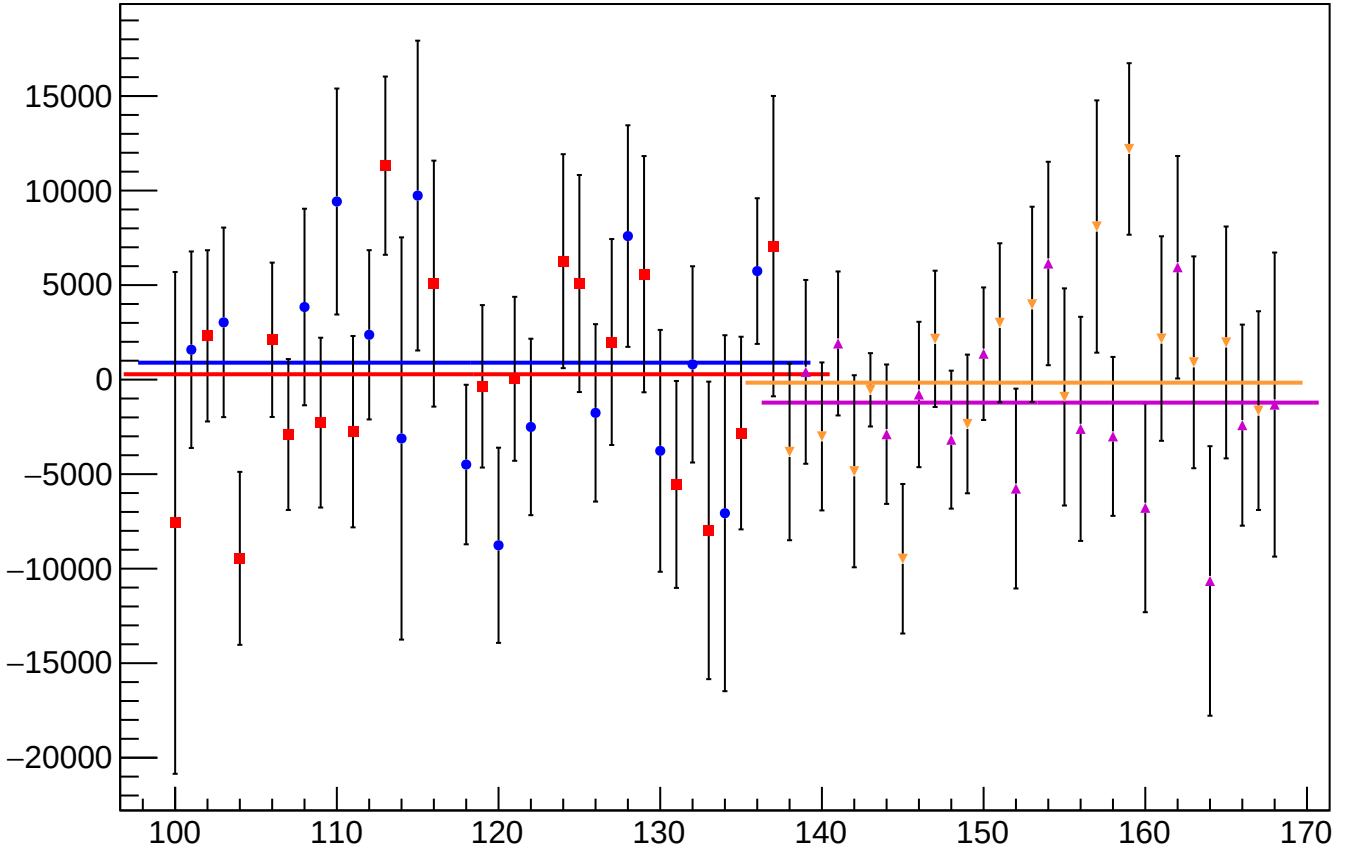
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1282.472+/-0.206 χ^2/NDF:530523.5/30

Out: 1297.779+/-0.207 χ^2/NDF:476605.0/34

All: 1290.098+/-0.146 χ^2/NDF: 1009878.0/65

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: -161.836+/-1023.261 χ^2/NDF:19.0/15

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1216.598+/-1198.348 χ^2/NDF:9.0/14

Left: -606.603+/-778.166 χ^2/NDF: 28.4/30

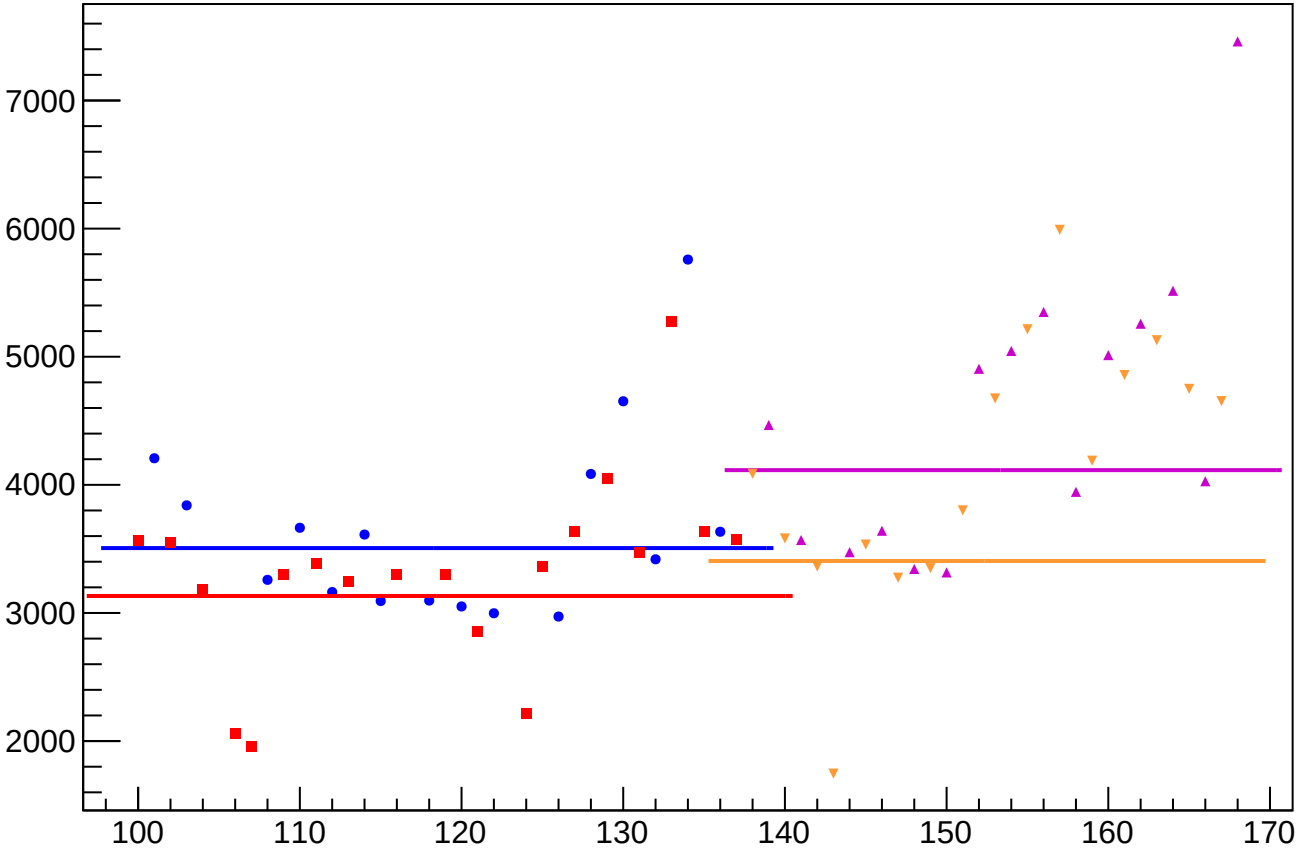
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -265.921+/-888.719 χ^2/NDF:24.5/30

Out: 28.923+/-773.964 χ^2/NDF:37.7/34

All: -98.246+/-583.658 χ^2/NDF: 62.2/65

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: 3405.717+/-0.724 χ^2/NDF:2754464.2/15

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.841+/-0.847 χ^2/NDF:1081884.2/14

Left: 3704.737+/-0.550 χ^2/NDF: 4241370.7/30

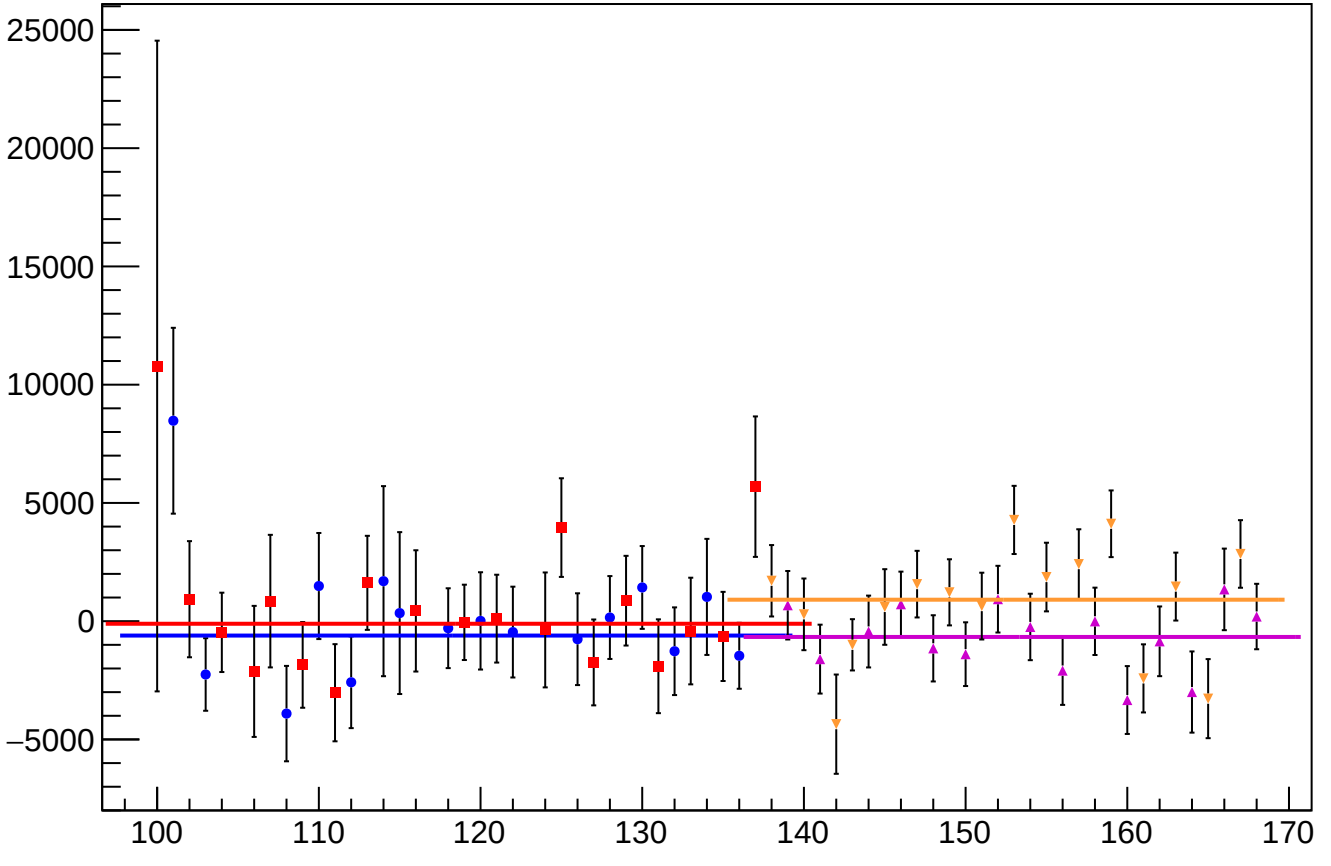
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3841.080+/-0.628 χ^2/NDF:1667071.2/30

Out: 3288.844+/-0.547 χ^2/NDF:3465049.5/34

All: 3527.028+/-0.413 χ^2/NDF: 5571285.3/65

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: 908.293+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -666.444+/-375.492 χ^2/NDF:12.3/14

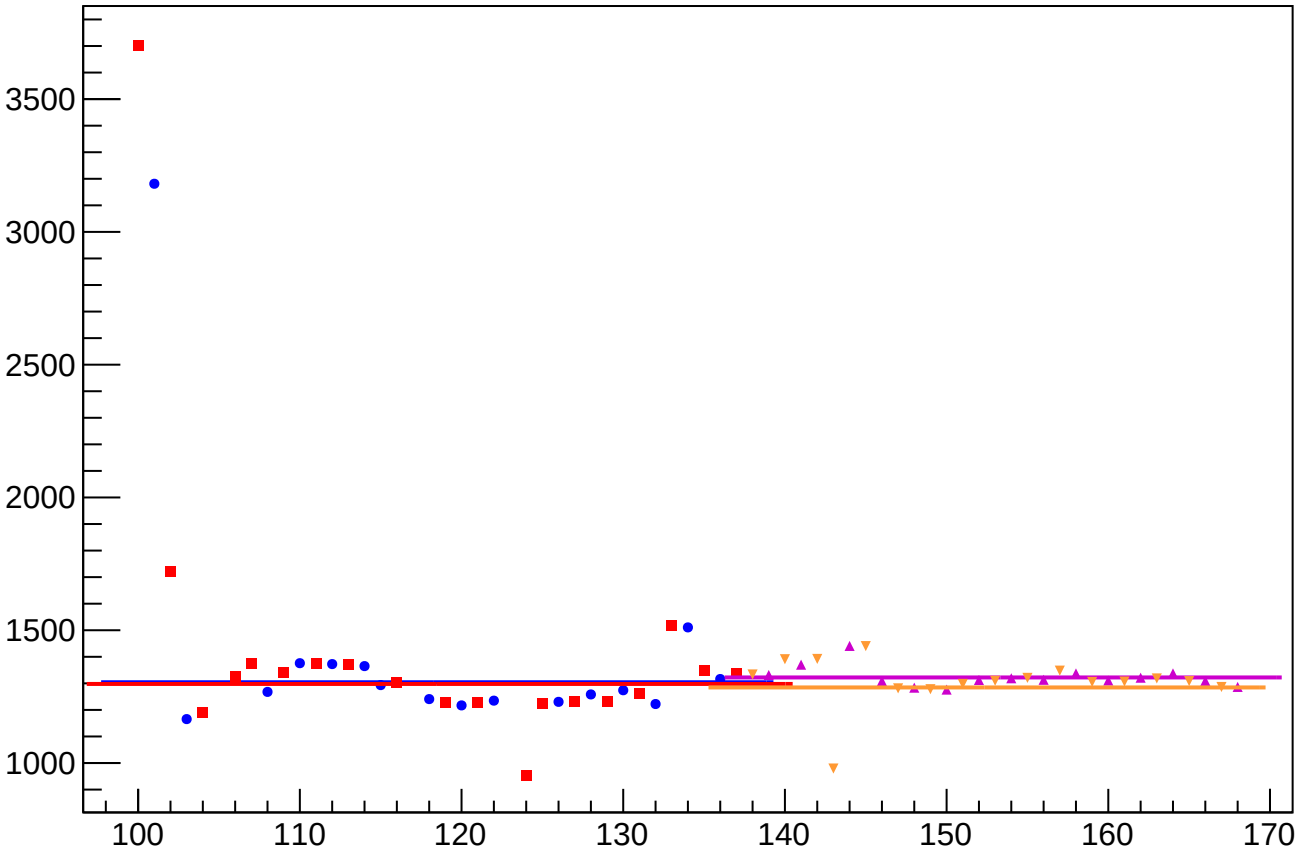
Left: 147.890+/-260.927 χ^2/NDF: 57.3/30

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -644.990+/-298.978 χ^2/NDF:26.4/30

Out: 543.905+/-290.655 χ^2/NDF:53.6/34

All: -33.764+/-208.404 χ^2/NDF: 88.2/65



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.622+/-0.257 χ^2/NDF:203050.2/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1322.253+/-0.266 χ^2/NDF:20620.9/14

Left: 1302.793+/-0.185 χ^2/NDF: 234058.7/30

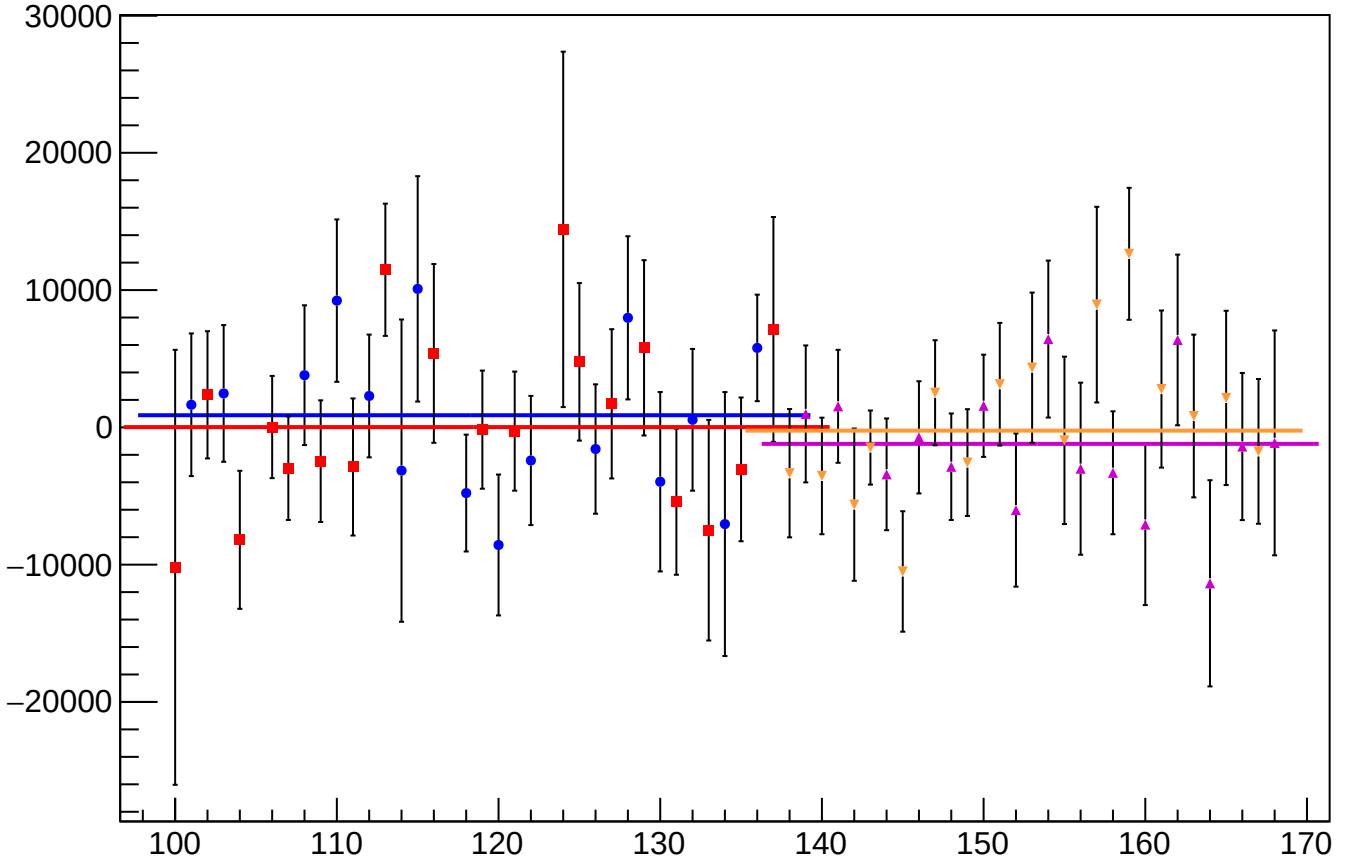
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.609+/-0.211 χ^2/NDF:532920.8/30

Out: 1289.347+/-0.205 χ^2/NDF:417092.7/34

All: 1302.104+/-0.147 χ^2/NDF: 957949.3/65

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -237.054+/-1154.094 χ^2/NDF:19.2/15

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1201.301+/-1271.509 χ^2/NDF:8.8/14

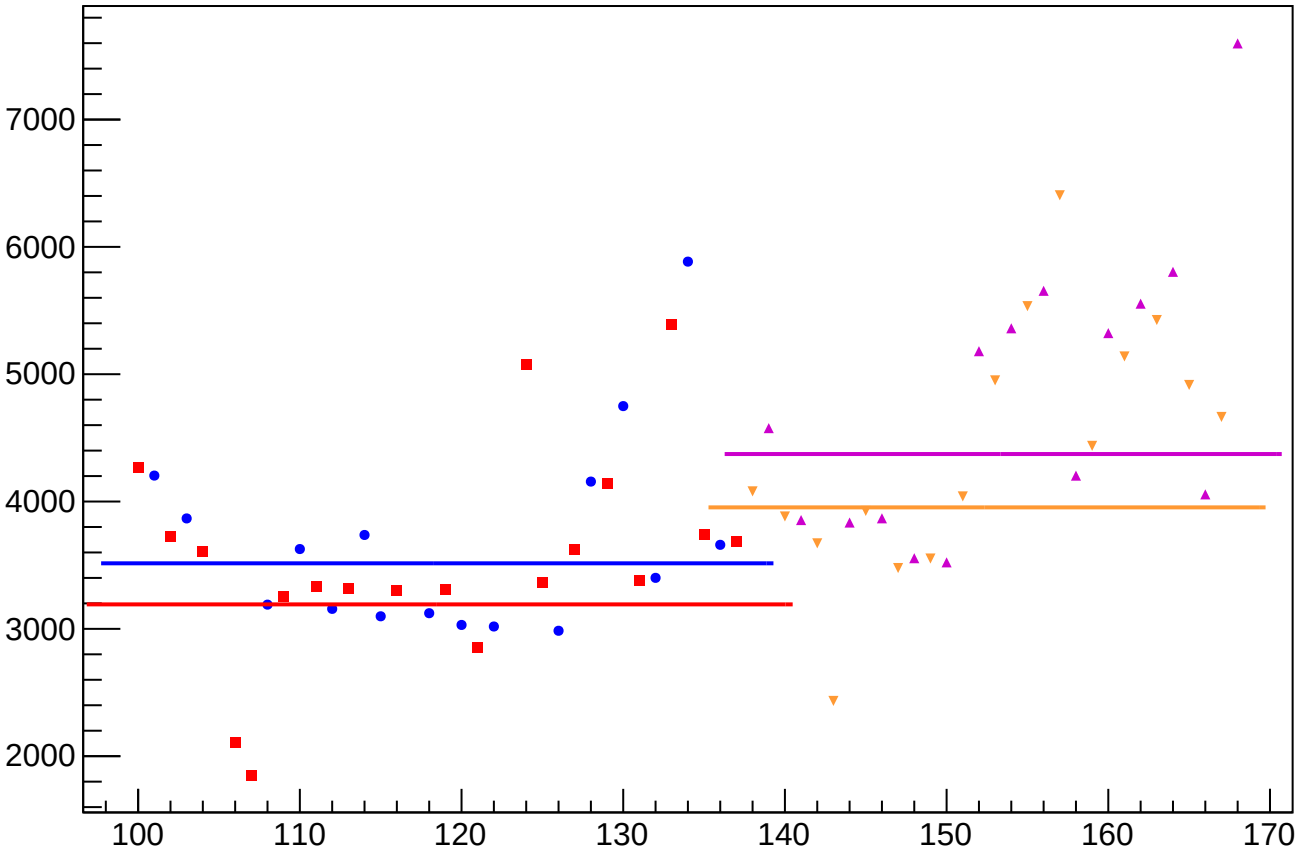
Left: -672.611+/-854.570 χ^2/NDF: 28.4/30

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -203.447+/-918.215 χ^2/NDF:24.2/30

Out: -113.212+/-831.828 χ^2/NDF:36.1/34

All: -153.886+/-616.476 χ^2/NDF: 60.3/65



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3954.074+/-0.816 χ^2/NDF:1444498.7/15

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4373.056+/-0.899 χ^2/NDF:996365.1/14

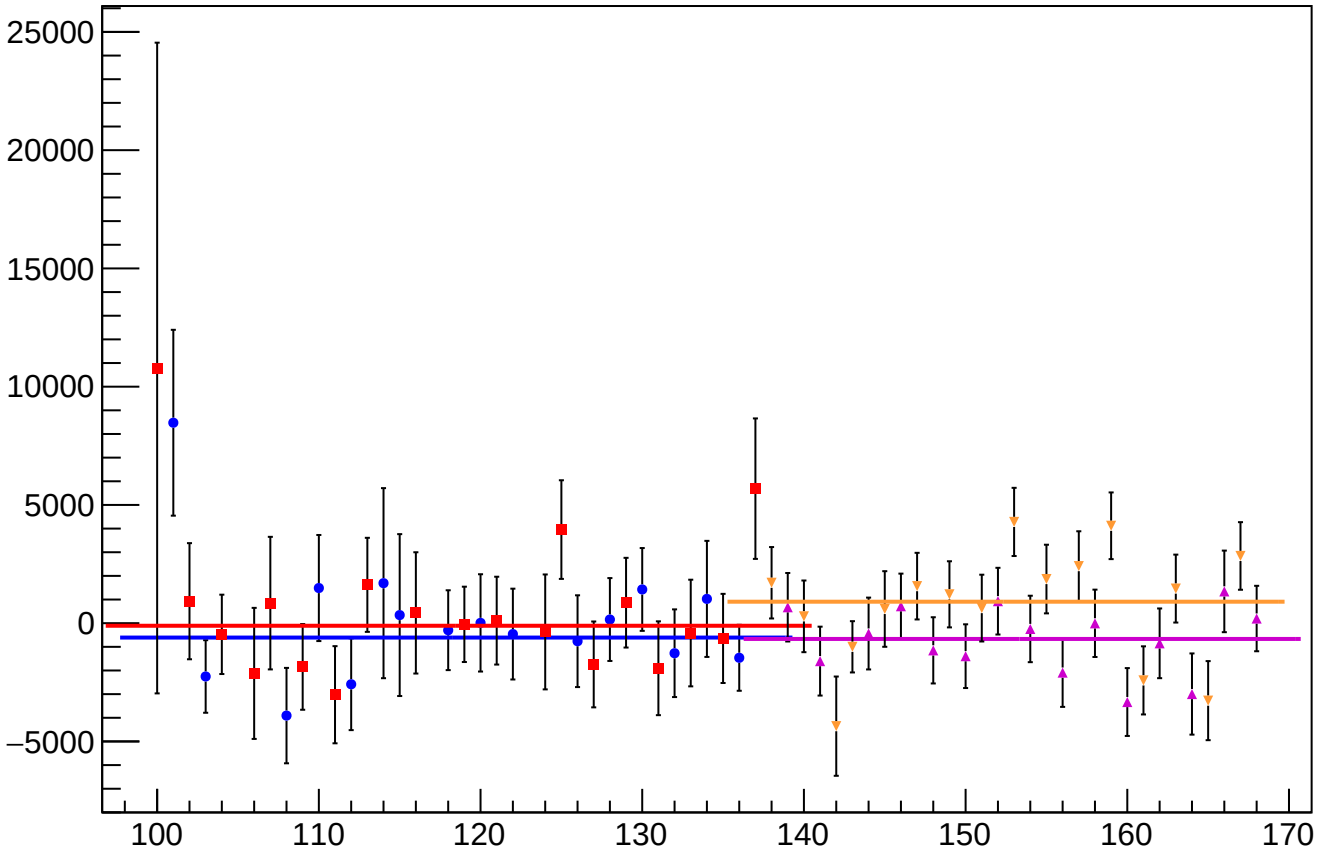
Left: 4143.331+/-0.604 χ^2/NDF: 2559931.9/30

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3962.351+/-0.649 χ^2/NDF:1807524.1/30

Out: 3587.995+/-0.588 χ^2/NDF:2635791.7/34

All: 3756.738+/-0.436 χ^2/NDF: 4625905.1/65



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 908.299+/-362.846 χ^2/NDF:35.9/15

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -666.445+/-375.493 χ^2/NDF:12.3/14

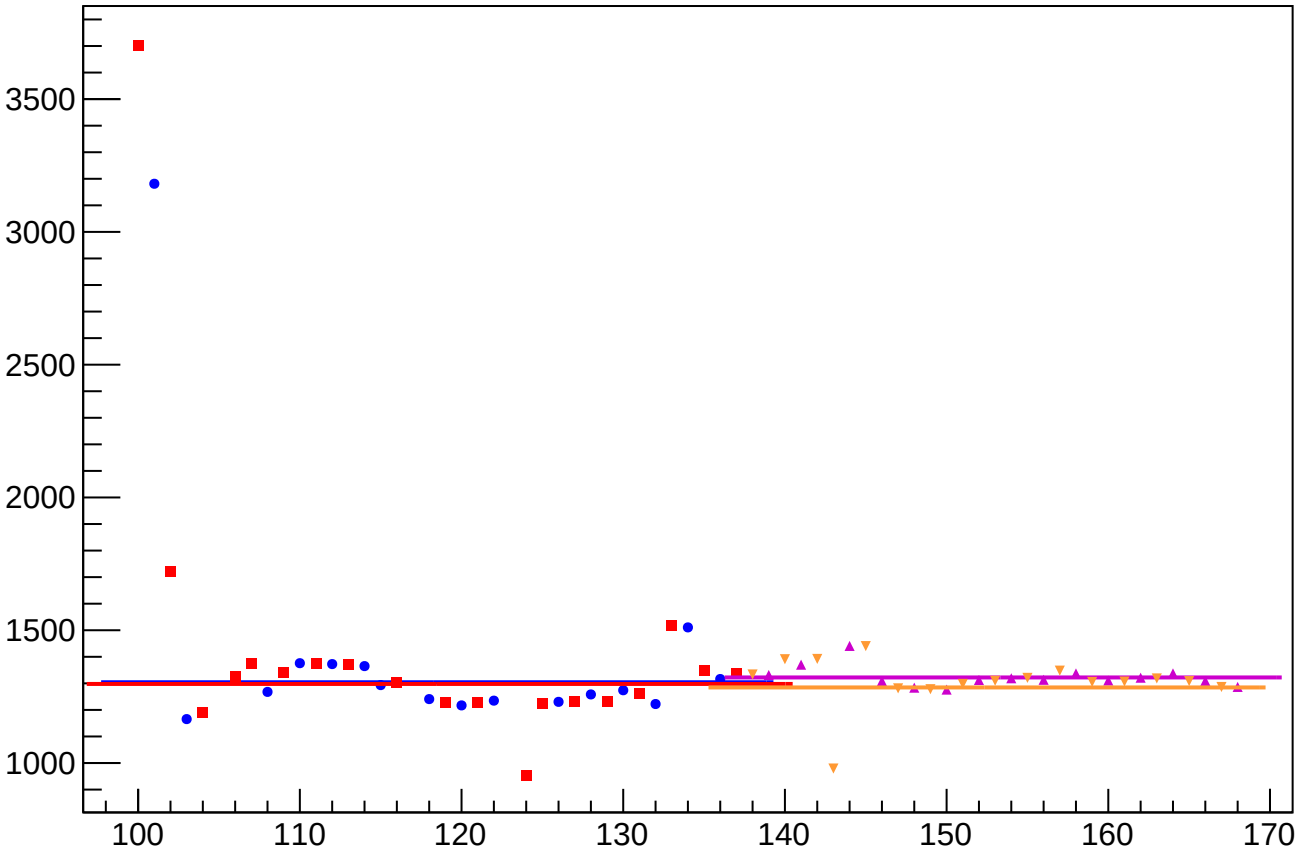
Left: 147.892+/-260.927 χ^2/NDF: 57.3/30

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -644.992+/-298.978 χ^2/NDF:26.4/30

Out: 543.906+/-290.655 χ^2/NDF:53.6/34

All: -33.765+/-208.405 χ^2/NDF: 88.2/65



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.623+/-0.257 χ^2/NDF:203050.9/15

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1322.254+/-0.266 χ^2/NDF:20621.1/14

Left: 1302.794+/-0.185 χ^2/NDF: 234059.6/30

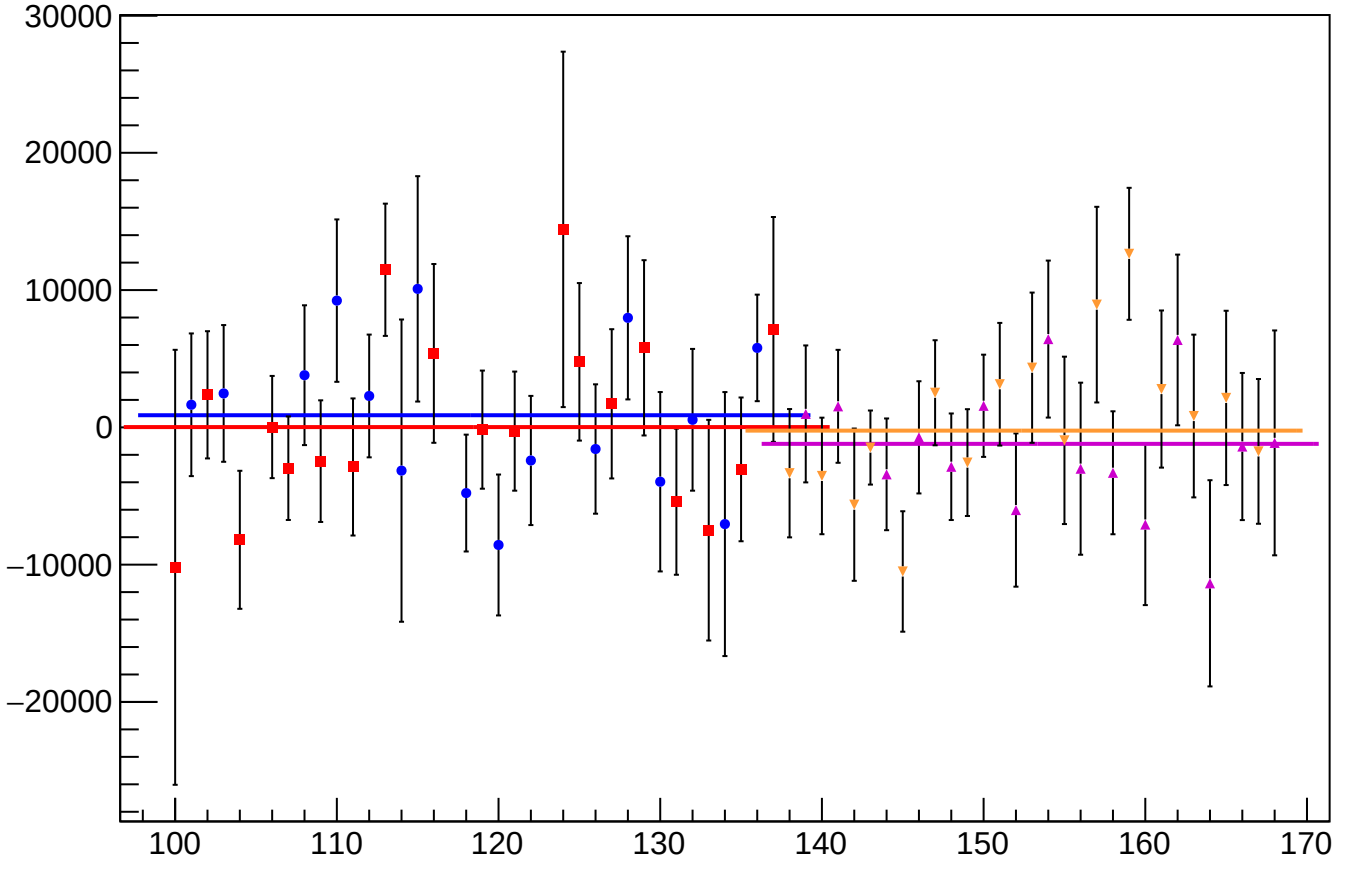
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.610+/-0.211 χ^2/NDF:532921.4/30

Out: 1289.348+/-0.205 χ^2/NDF:417093.3/34

All: 1302.105+/-0.147 χ^2/NDF: 957950.5/65

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: -237.050+/-1154.096 χ^2/NDF:19.2/15

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1201.300+/-1271.511 χ^2/NDF:8.8/14

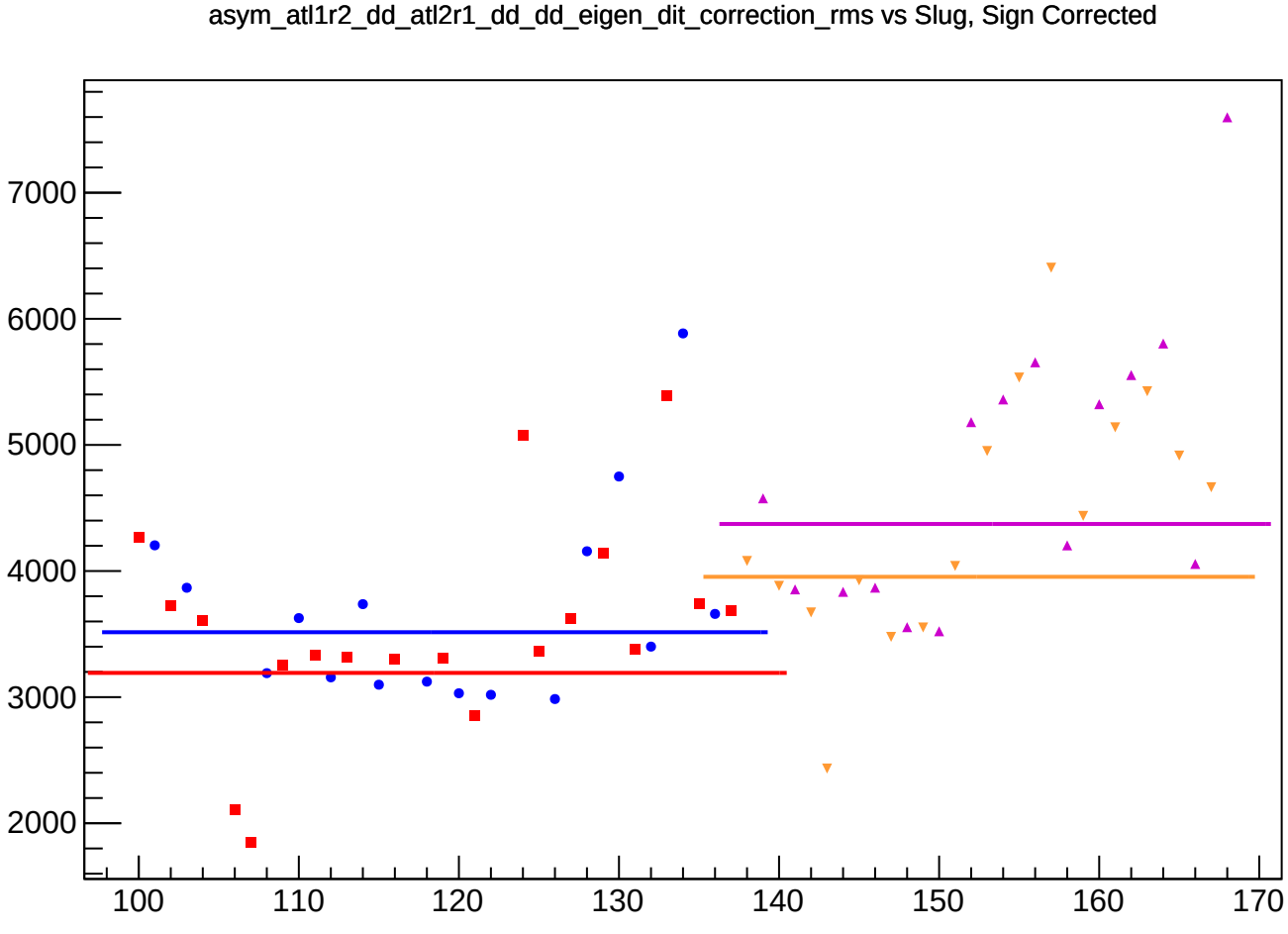
Left: -672.608+/-854.571 χ^2/NDF: 28.4/30

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -203.448+/-918.215 χ^2/NDF:24.2/30

Out: -113.211+/-831.828 χ^2/NDF:36.1/34

All: -153.886+/-616.475 χ^2/NDF: 60.3/65



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3954.080+/-0.816 χ^2/NDF:1444500.9/15

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4373.063+/-0.899 χ^2/NDF:996366.9/14

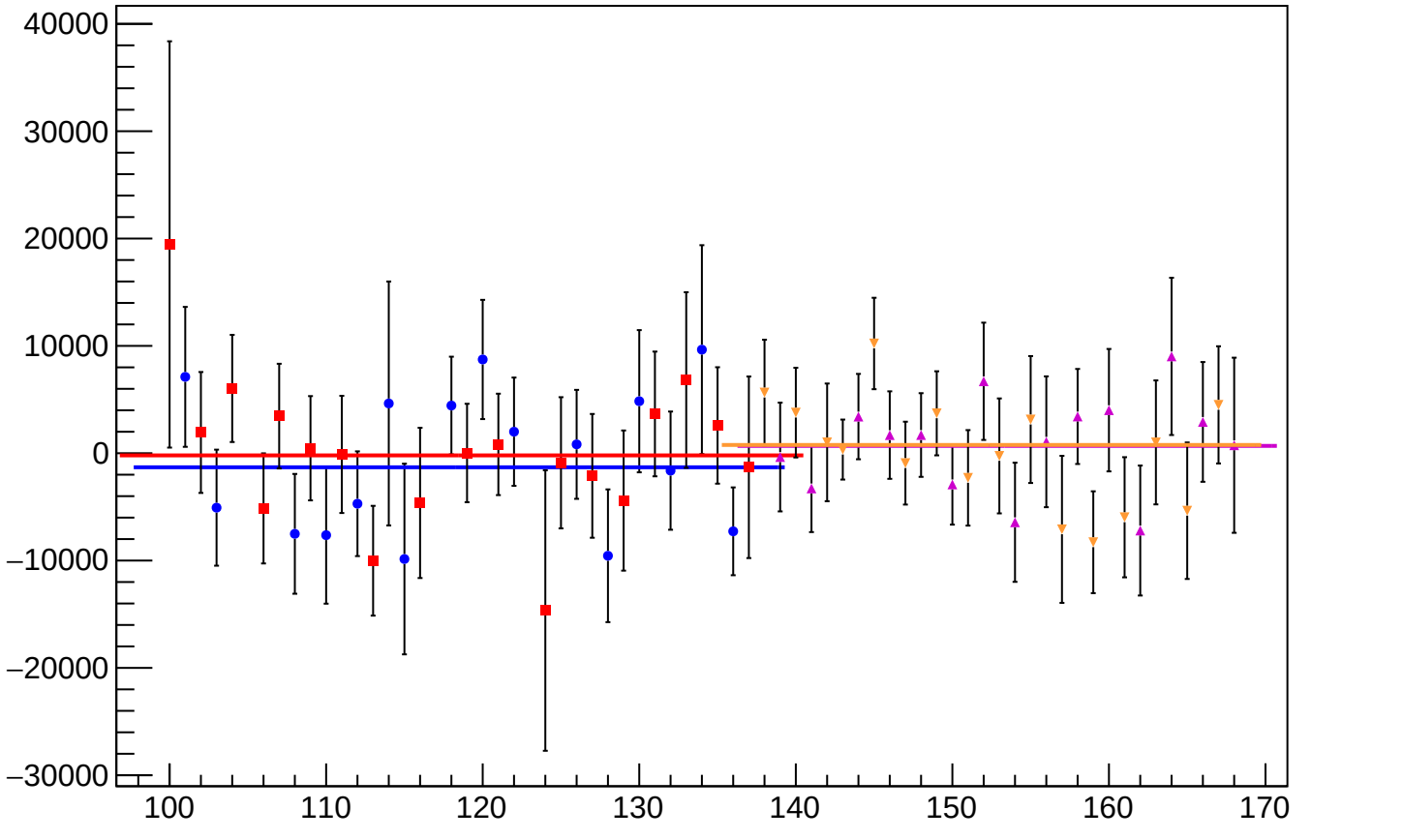
Left: 4143.337+/-0.604 χ^2/NDF: 2559935.8/30

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3962.348+/-0.649 χ^2/NDF:1807546.3/30

Out: 3587.992+/-0.588 χ^2/NDF:2635811.6/34

All: 3756.736+/-0.436 χ^2/NDF: 4625946.8/65



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 770.252+/-1156.771 χ^2/NDF:15.7/15

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 683.377+/-1262.237 χ^2/NDF:9.2/14

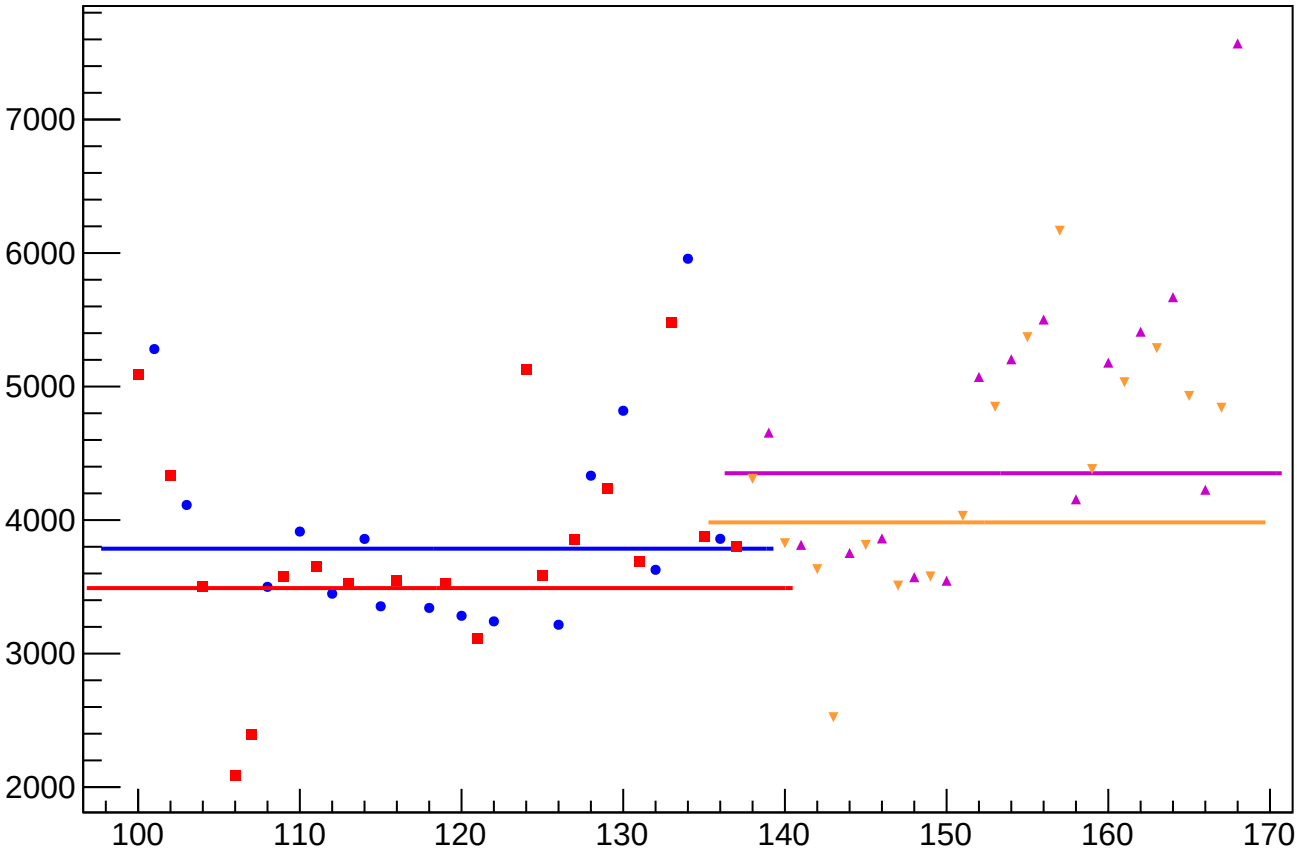
Left: 730.595+/-852.813 χ^2/NDF: 25.0/30

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -188.179+/-946.788 χ^2/NDF:27.9/30

Out: 353.867+/-874.532 χ^2/NDF:27.7/34

All: 104.314+/-642.415 χ^2/NDF: 55.7/65



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3982.603+/-0.818 χ^2/NDF:1266133.9/15

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4350.869+/-0.893 χ^2/NDF:926013.3/14

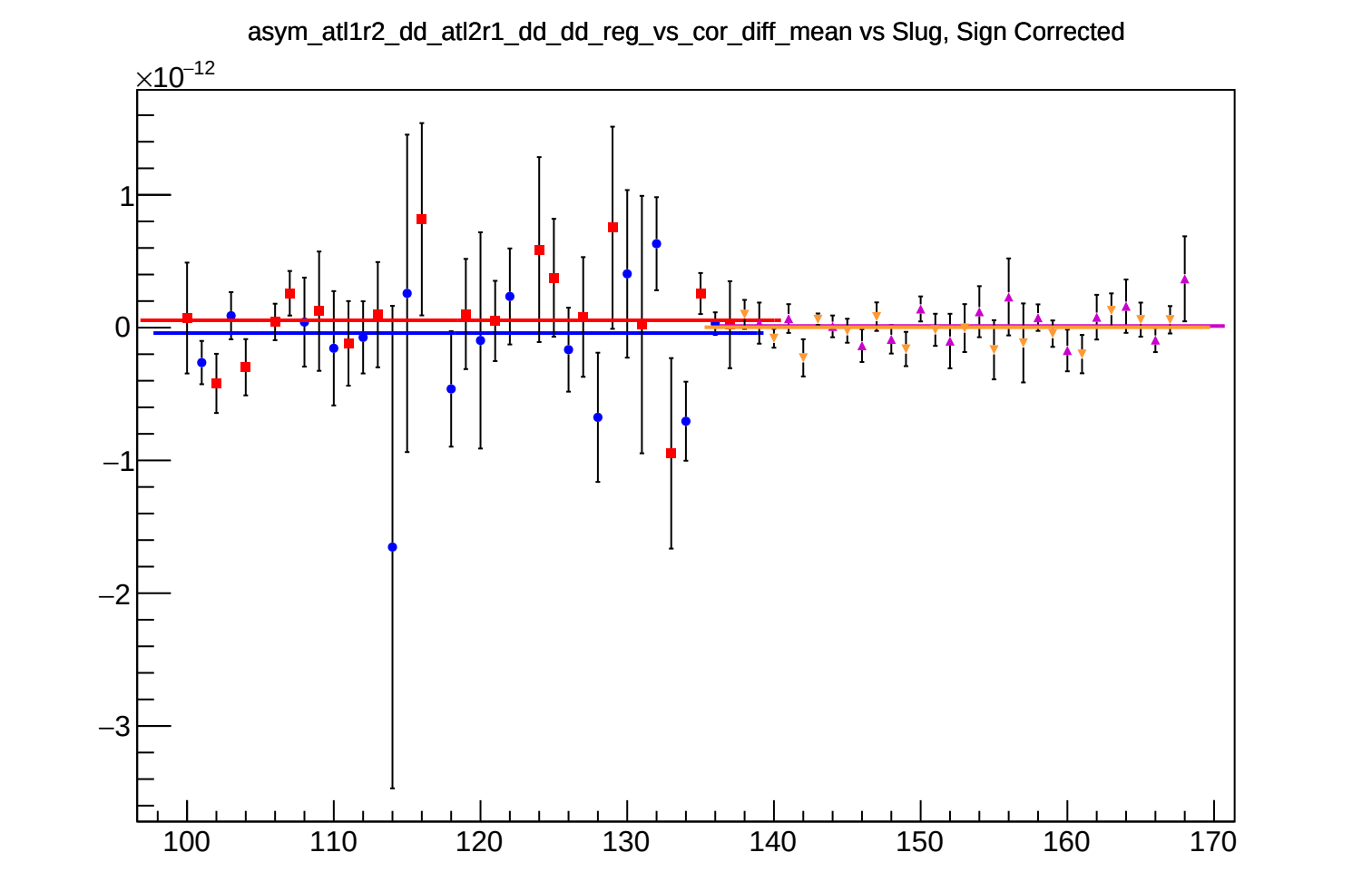
Left: 4150.710+/-0.603 χ^2/NDF: 2284677.4/30

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.711+/-0.669 χ^2/NDF:1484331.0/30

Out: 3768.497+/-0.615 χ^2/NDF:2010290.2/34

All: 3921.840+/-0.453 χ^2/NDF: 3630644.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/14

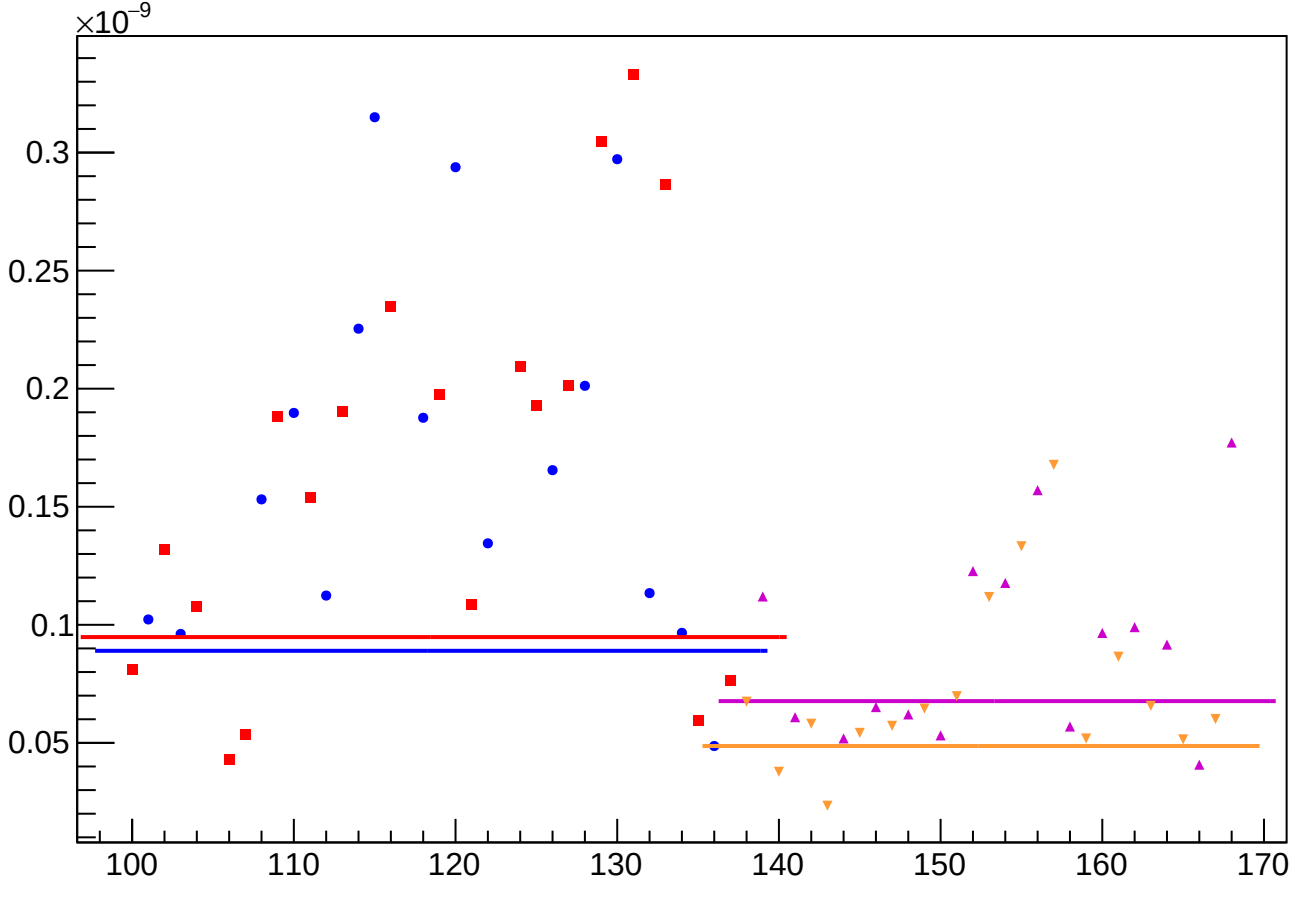
Left: 0.000+/-0.000 χ^2/NDF: 24.1/30

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: 0.000+/-0.000 χ^2/NDF:29.8/34

All: 0.000+/-0.000 χ^2/NDF: 57.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1941642.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364563.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3734197.2/30

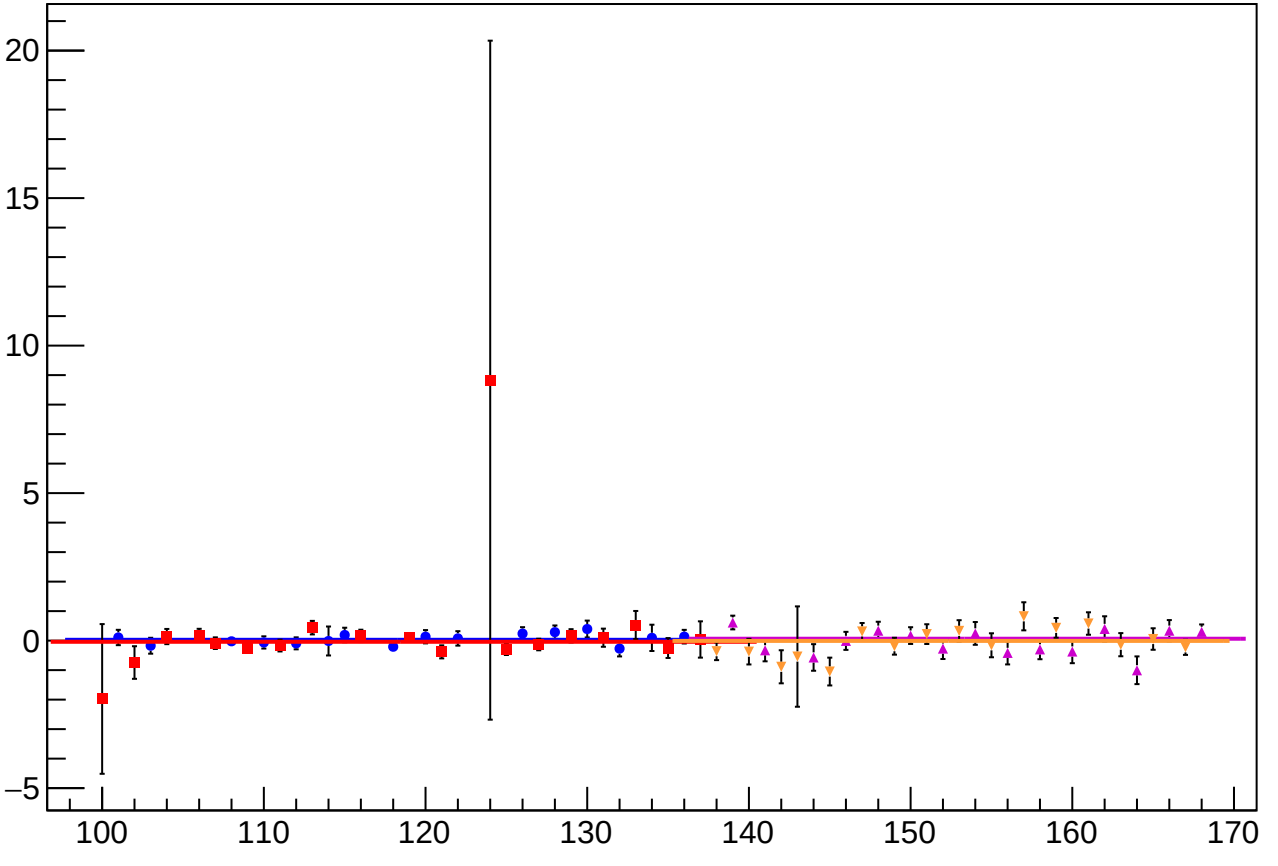
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3024684.6/30

Out: 0.000+/-0.000 χ^2/NDF:4580235.9/34

All: 0.000+/-0.000 χ^2/NDF: 8080633.6/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

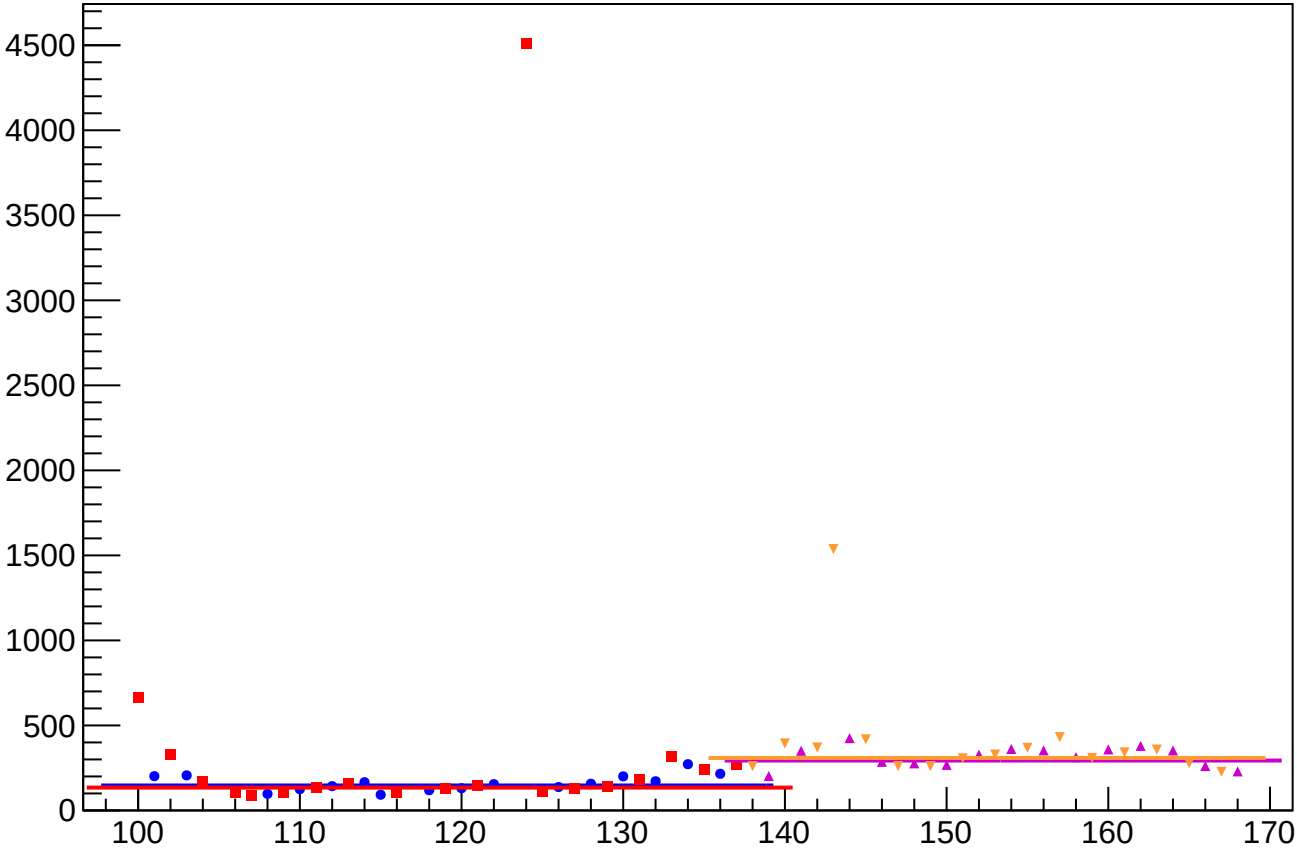
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

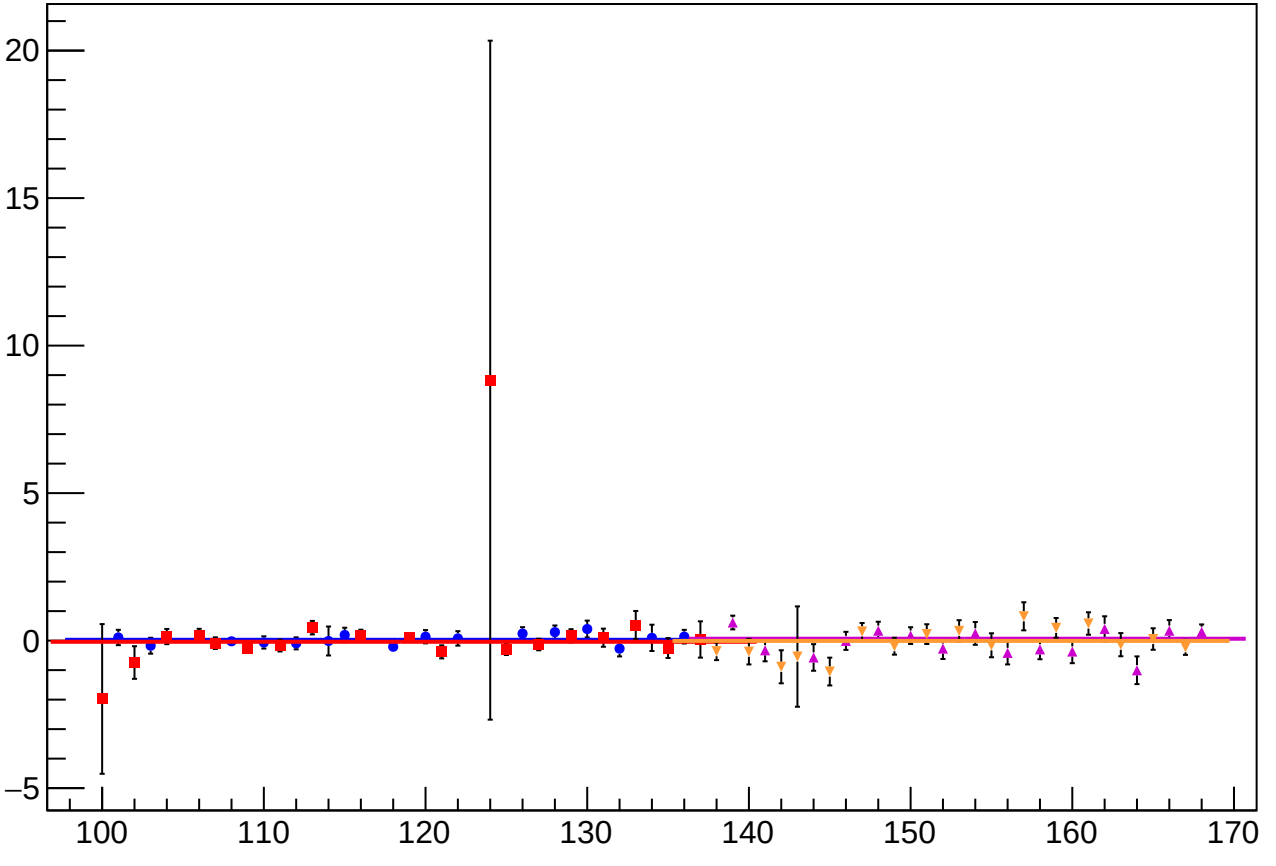
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

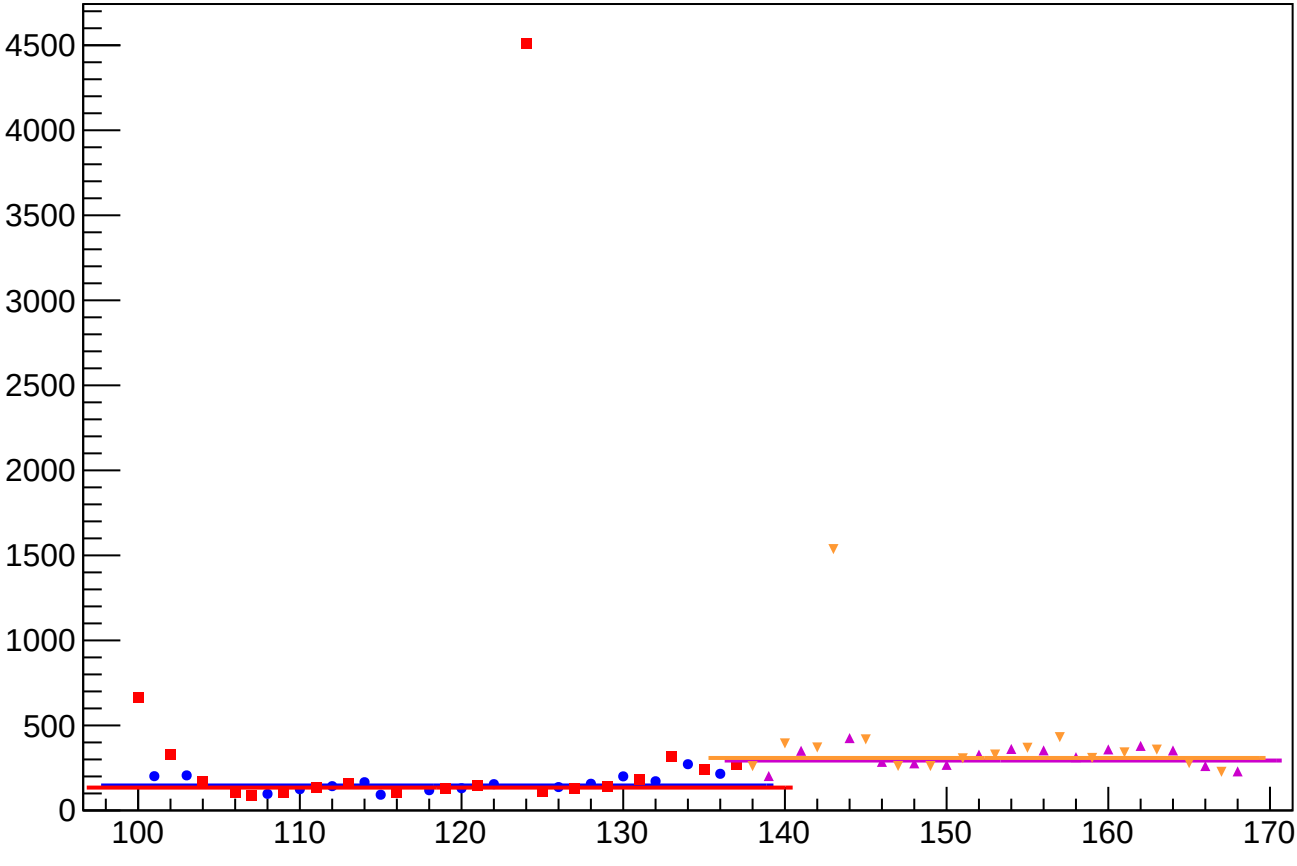
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.672+/-0.064 χ^2/NDF:1856686.7/15

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 293.553+/-0.061 χ^2/NDF:996096.2/14

Left: 300.697+/-0.044 χ^2/NDF: 2881876.7/30

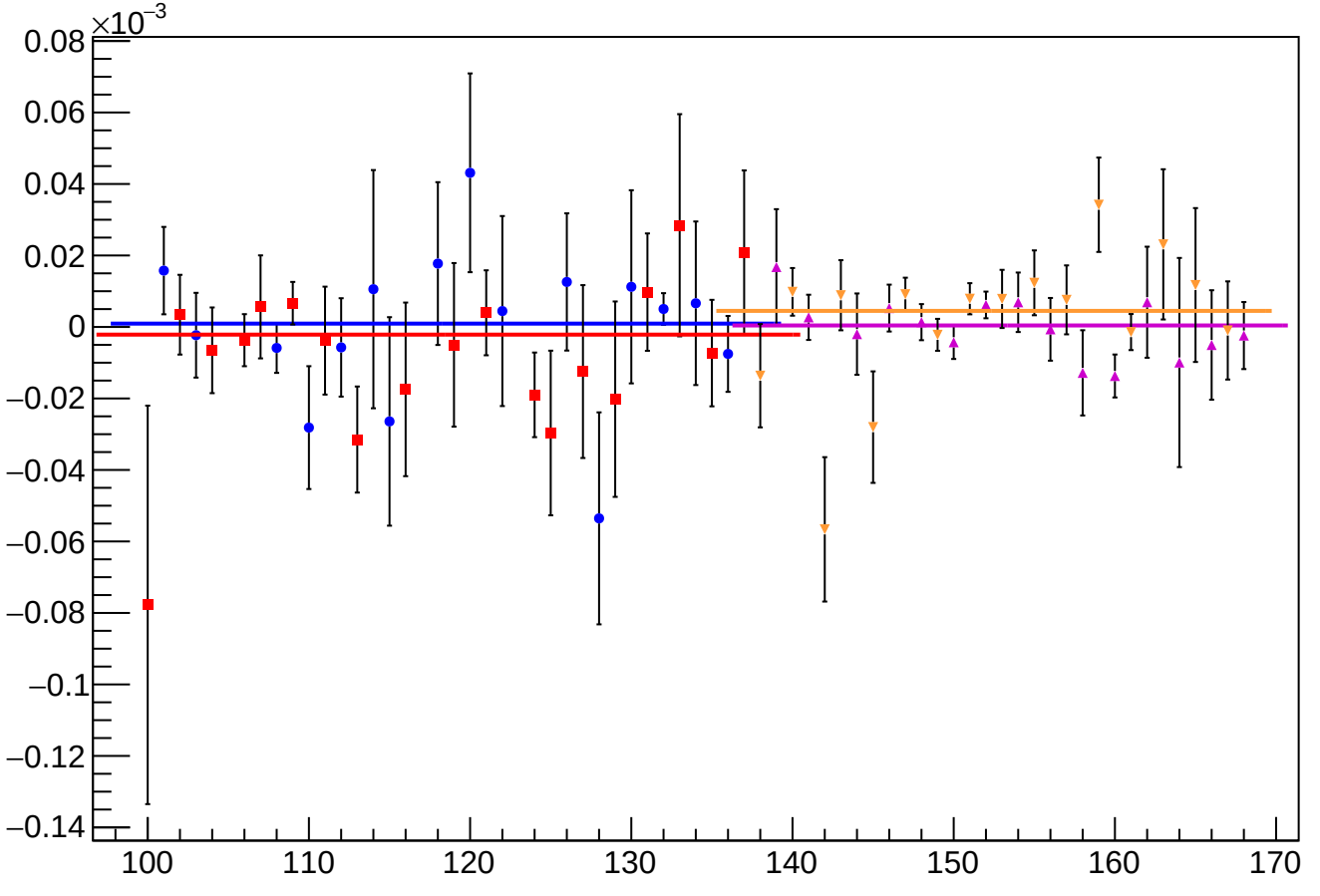
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.252+/-0.034 χ^2/NDF:5998144.8/30

Out: 180.802+/-0.033 χ^2/NDF:8837352.9/34

All: 186.405+/-0.024 χ^2/NDF: 14893749.1/65

asym_atl1r2_dd_atl2r1_dd_dd_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:28.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/14

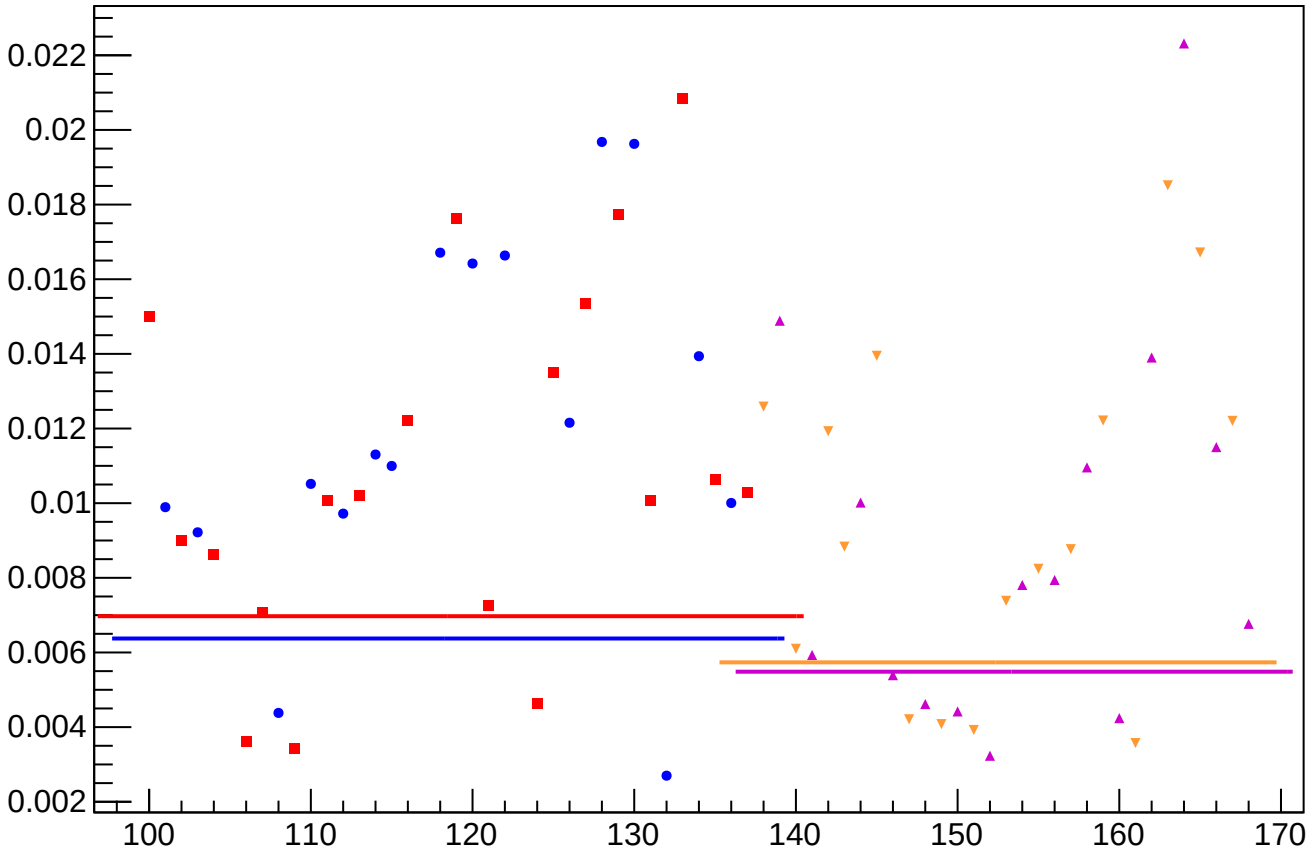
Left: 0.000+/-0.000 χ^2/NDF: 43.8/30

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:28.0/30

Out: 0.000+/-0.000 χ^2/NDF:47.8/34

All: 0.000+/-0.000 χ^2/NDF: 76.7/65



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5220472.8/15

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4308342.8/14

Left: 0.006+/-0.000 χ^2/NDF: 9547194.9/30

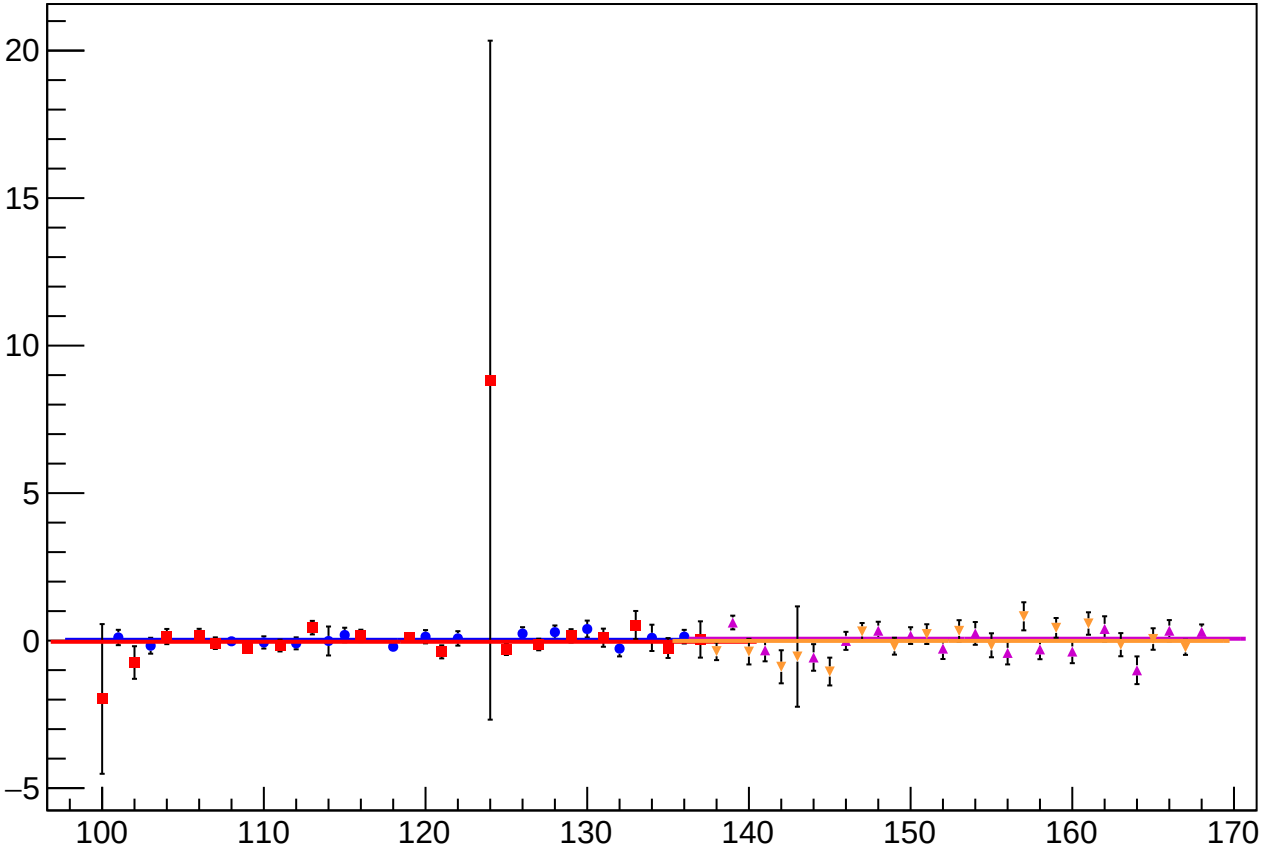
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:9081038.5/30

Out: 0.006+/-0.000 χ^2/NDF:8873534.4/34

All: 0.006+/-0.000 χ^2/NDF: 18002791.7/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

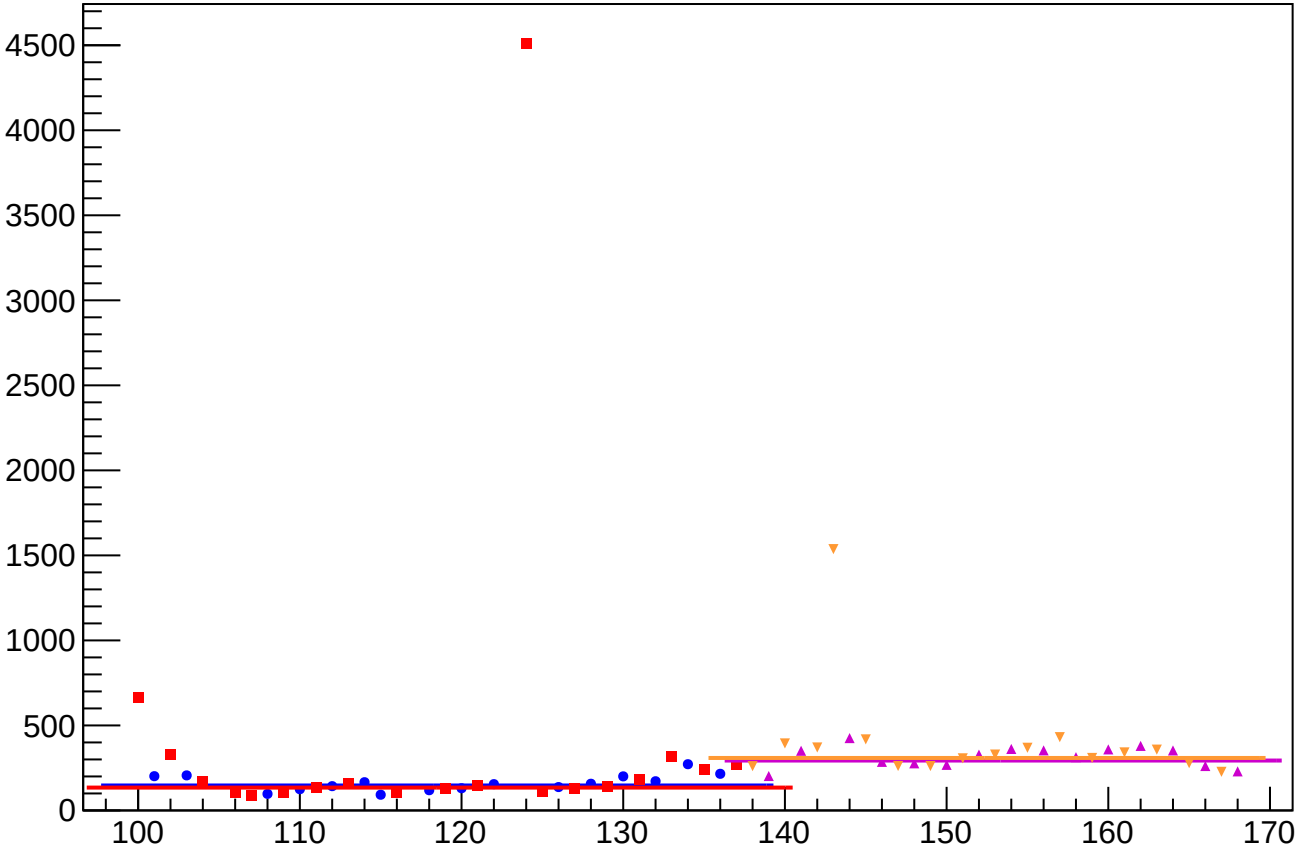
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

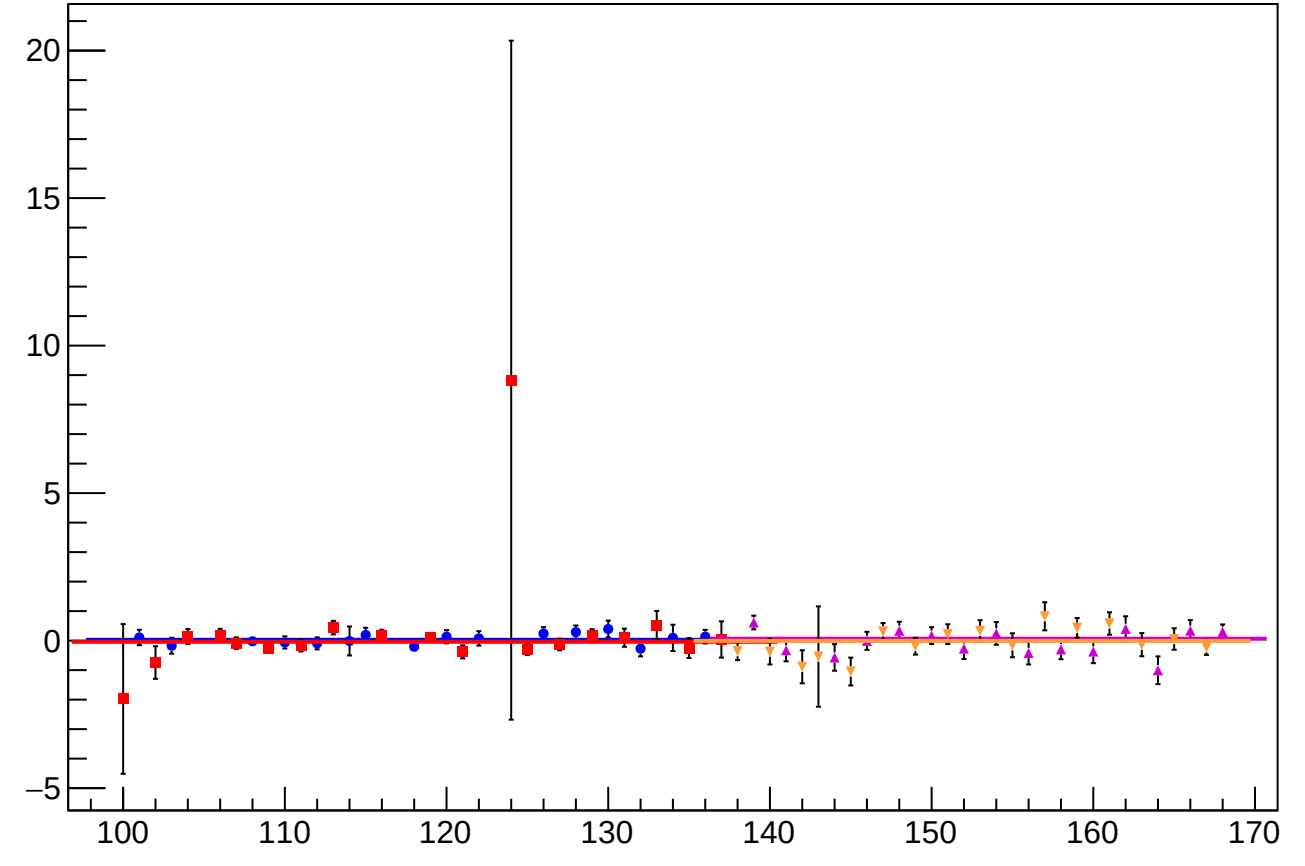
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65

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: -0.009+/-0.091 χ^2/NDF:20.6/15

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.086 χ^2/NDF:21.8/14

Left: 0.029+/-0.063 χ^2/NDF: 42.8/30

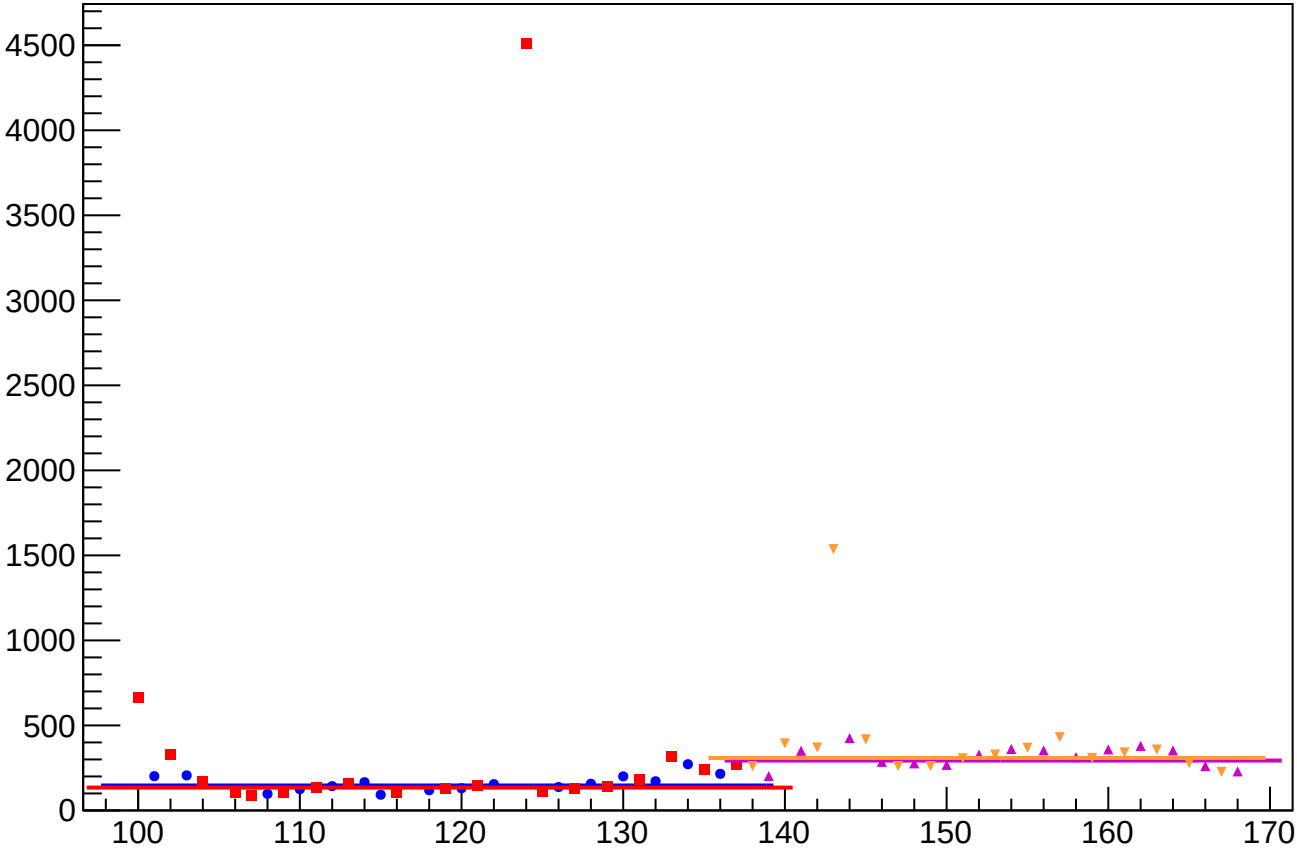
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.039+/-0.048 χ^2/NDF:31.4/30

Out: -0.031+/-0.047 χ^2/NDF:40.7/34

All: 0.003+/-0.034 χ^2/NDF: 73.2/65

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: 308.676+/-0.064 χ^2/NDF:1856703.9/15

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 293.557+/-0.061 χ^2/NDF:996077.4/14

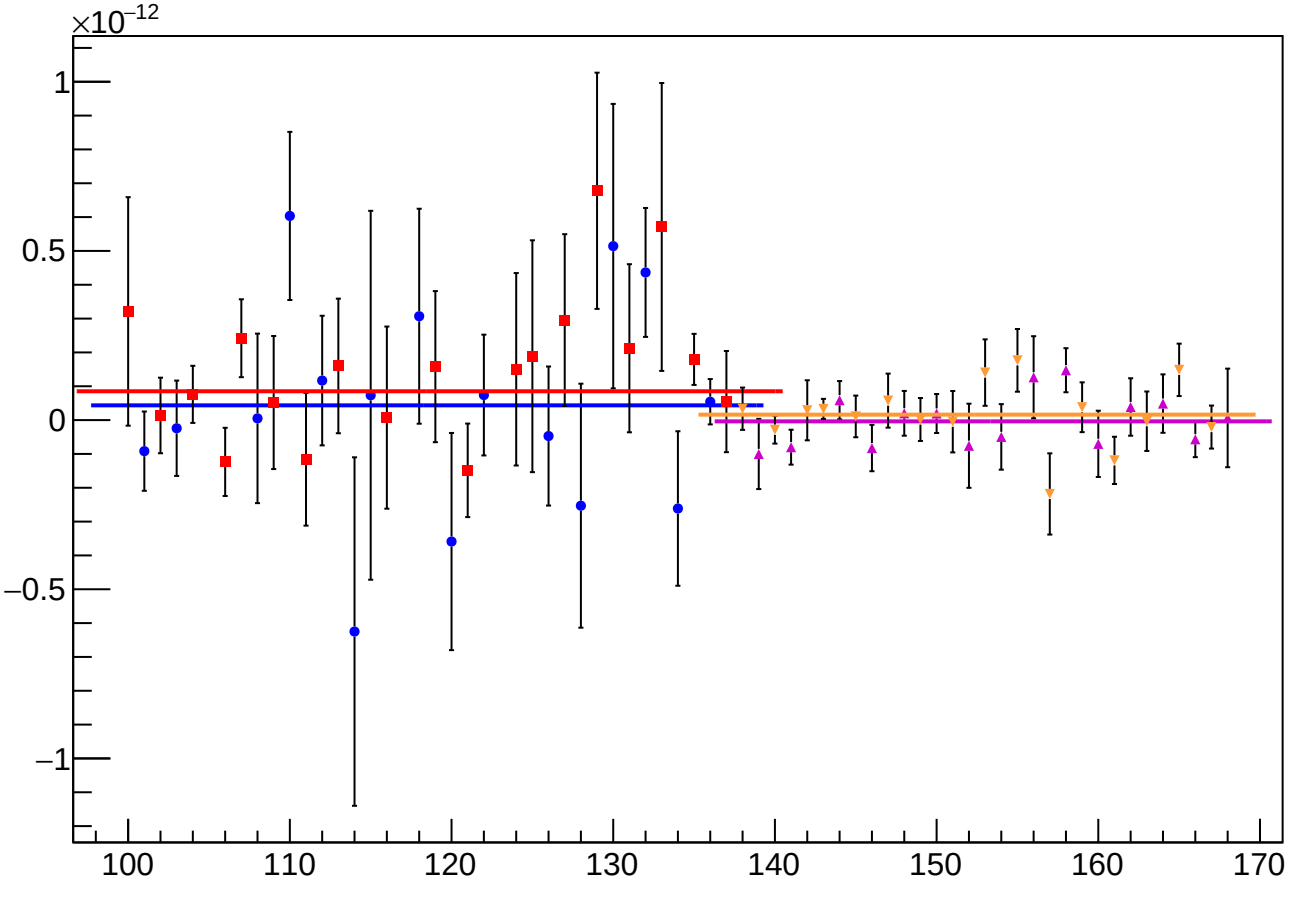
Left: 300.702+/-0.044 χ^2/NDF: 2881871.8/30

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.253+/-0.034 χ^2/NDF:5998245.9/30

Out: 180.803+/-0.033 χ^2/NDF:8837346.1/34

All: 186.406+/-0.024 χ^2/NDF: 14893829.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/14

Left: 0.000+/-0.000 χ^2/NDF: 33.3/30

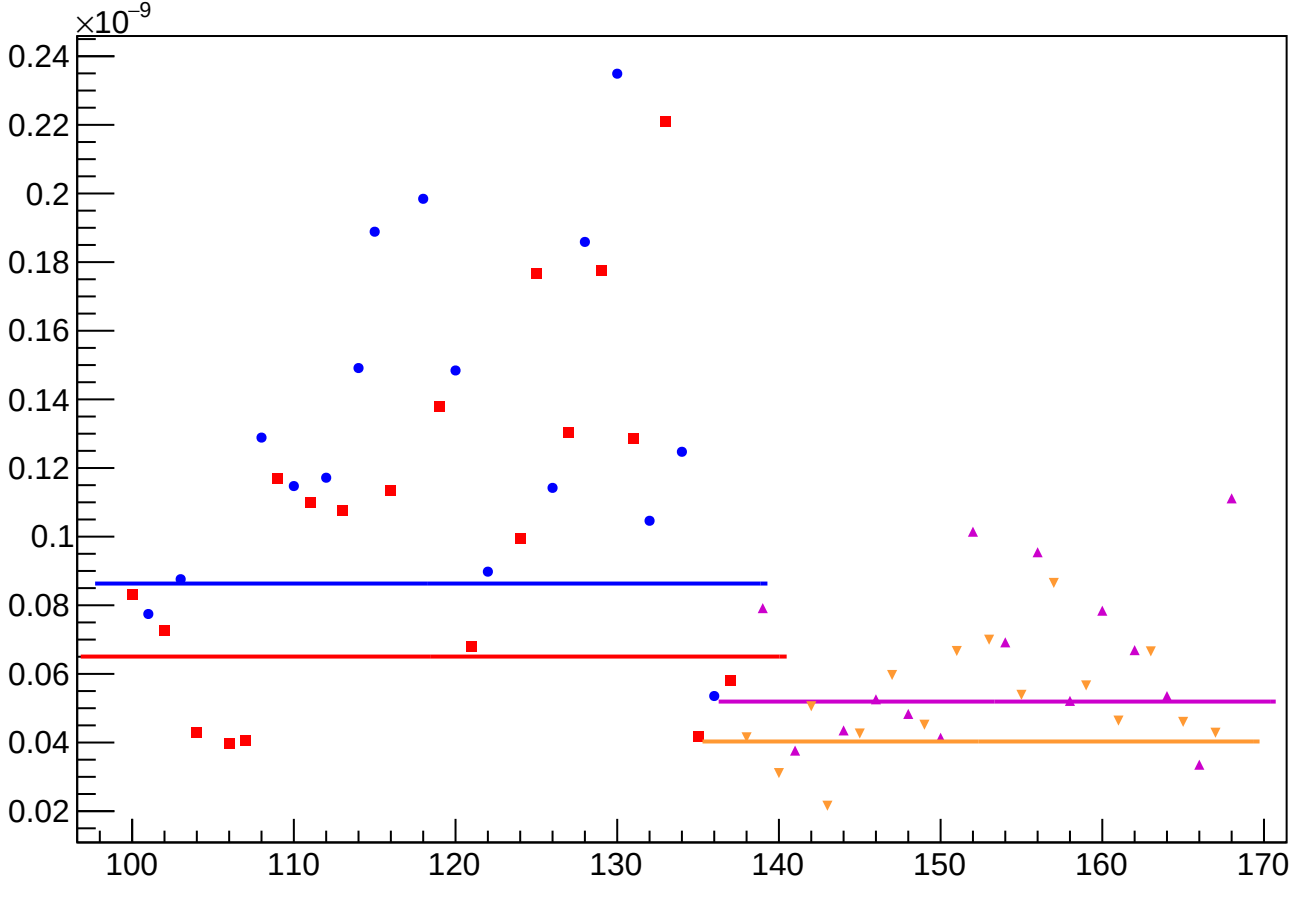
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.1/34

All: 0.000+/-0.000 χ^2/NDF: 75.3/65

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:2056248.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1827017.2/14

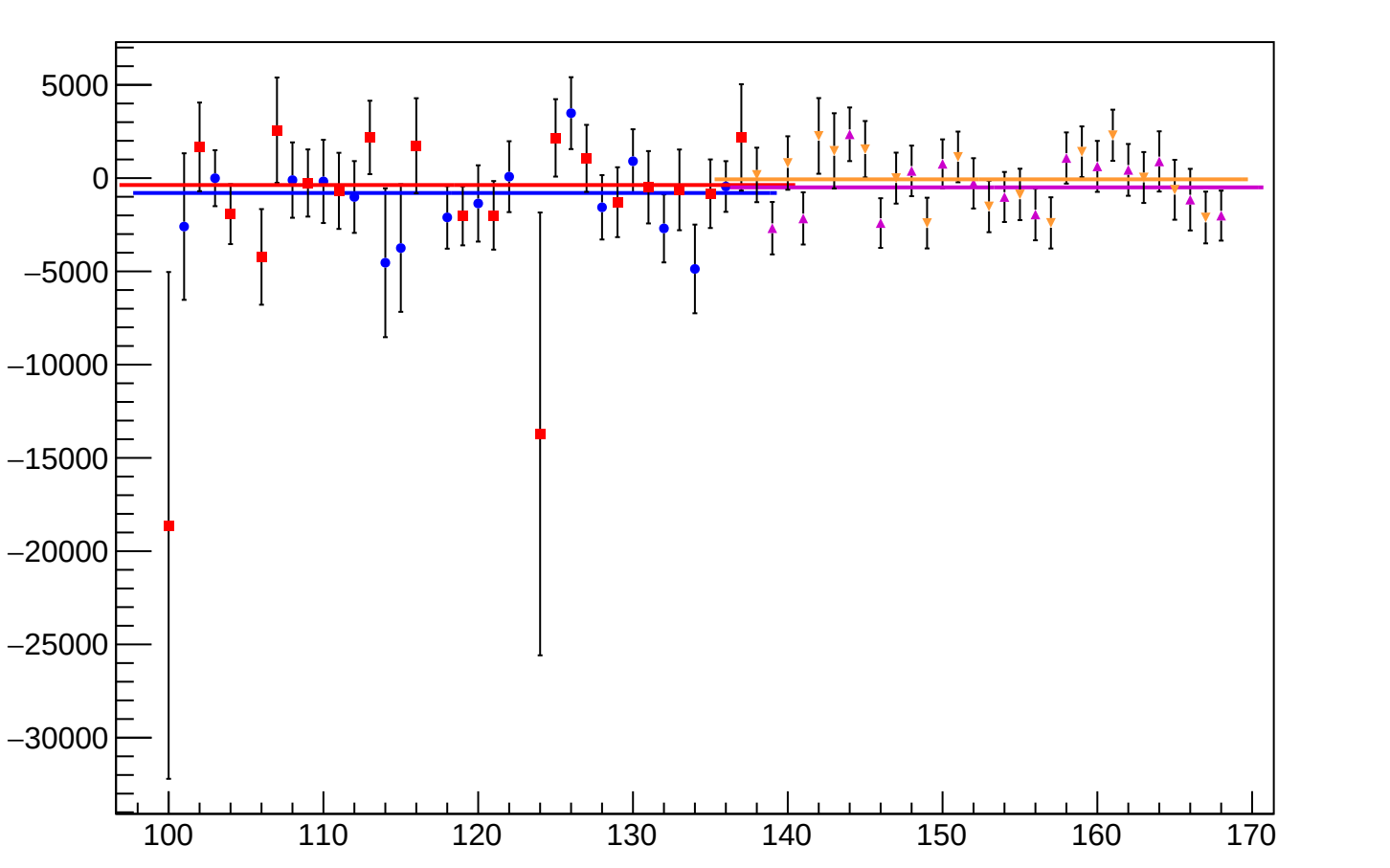
Left: 0.000+/-0.000 χ^2/NDF: 4332710.5/30

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4475062.6/30

Out: 0.000+/-0.000 χ^2/NDF:5081557.8/34

All: 0.000+/-0.000 χ^2/NDF: 10236424.1/65



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -64.536+/-362.785 χ^2/NDF:18.0/15

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -495.809+/-360.086 χ^2/NDF:17.1/14

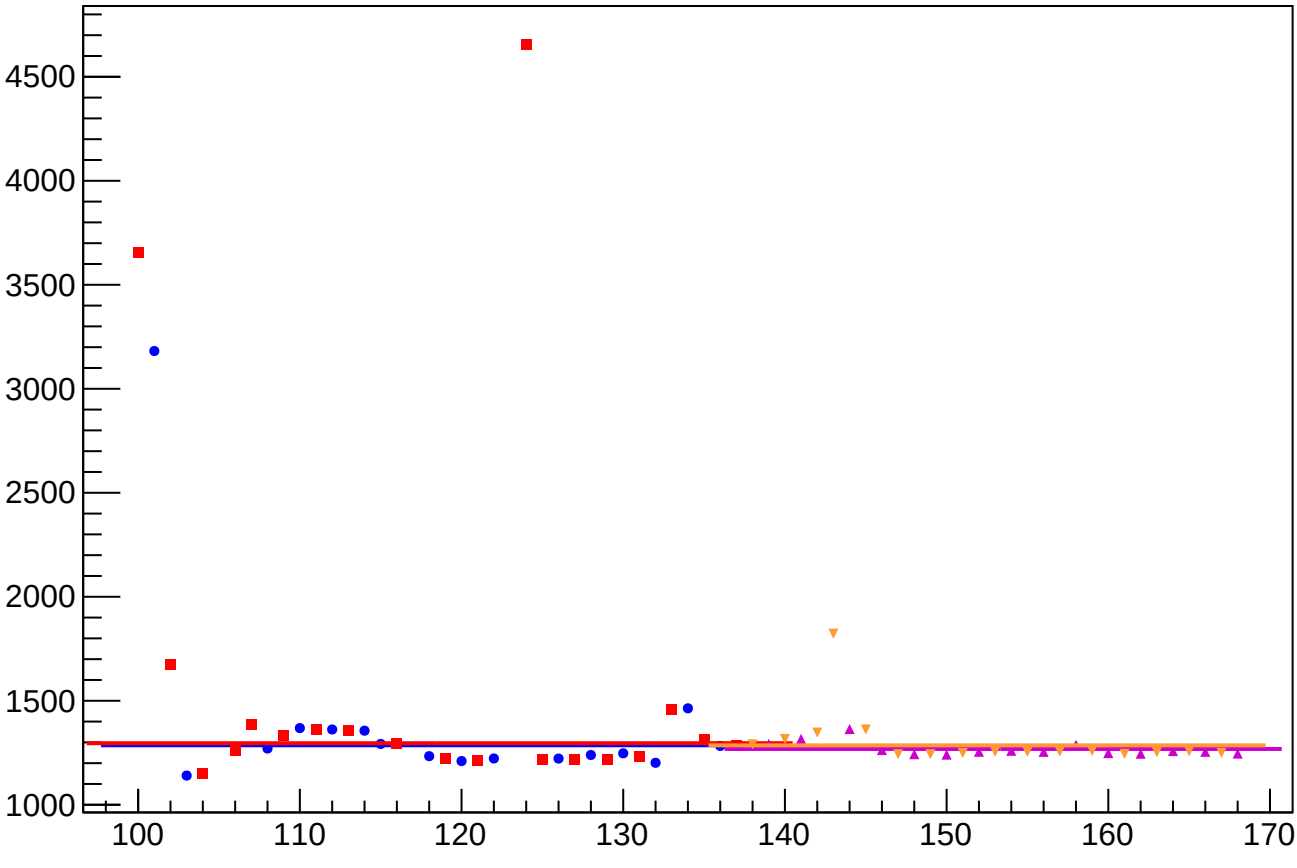
Left: -281.783+/-255.568 χ^2/NDF: 35.8/30

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -602.242+/-289.631 χ^2/NDF:30.7/30

Out: -173.894+/-290.682 χ^2/NDF:33.8/34

All: -388.844+/-205.171 χ^2/NDF: 65.7/65



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.4/15

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

Left: 1276.837+/-0.181 χ^2/NDF: 181904.3/30

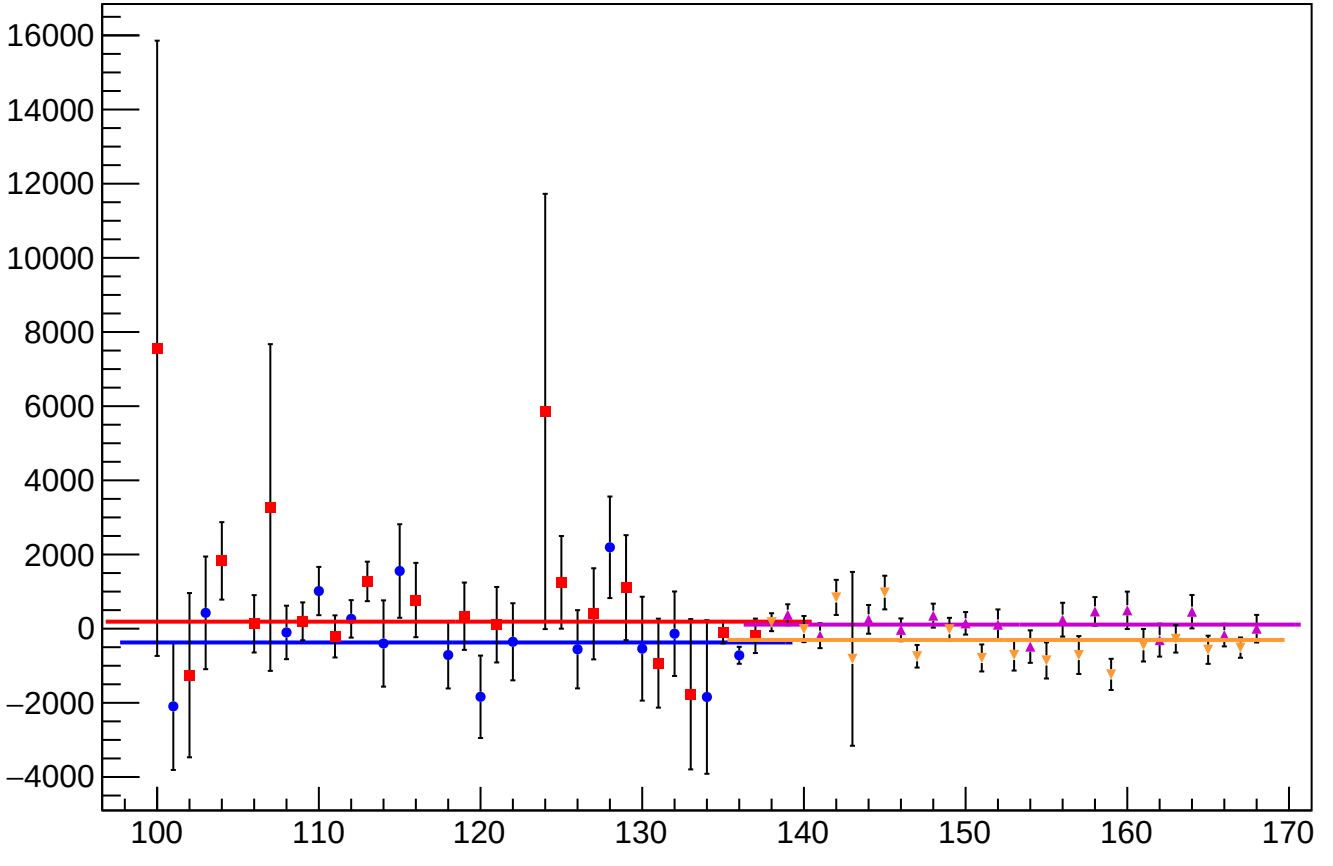
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1274.533+/-0.205 χ^2/NDF:535952.2/30

Out: 1289.290+/-0.206 χ^2/NDF:492166.4/34

All: 1281.885+/-0.145 χ^2/NDF: 1030705.4/65

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: -304.623+/-93.025 χ^2/NDF:32.1/15

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 109.664+/-93.791 χ^2/NDF:8.4/14

Left: -99.176+/-66.048 χ^2/NDF: 50.3/30

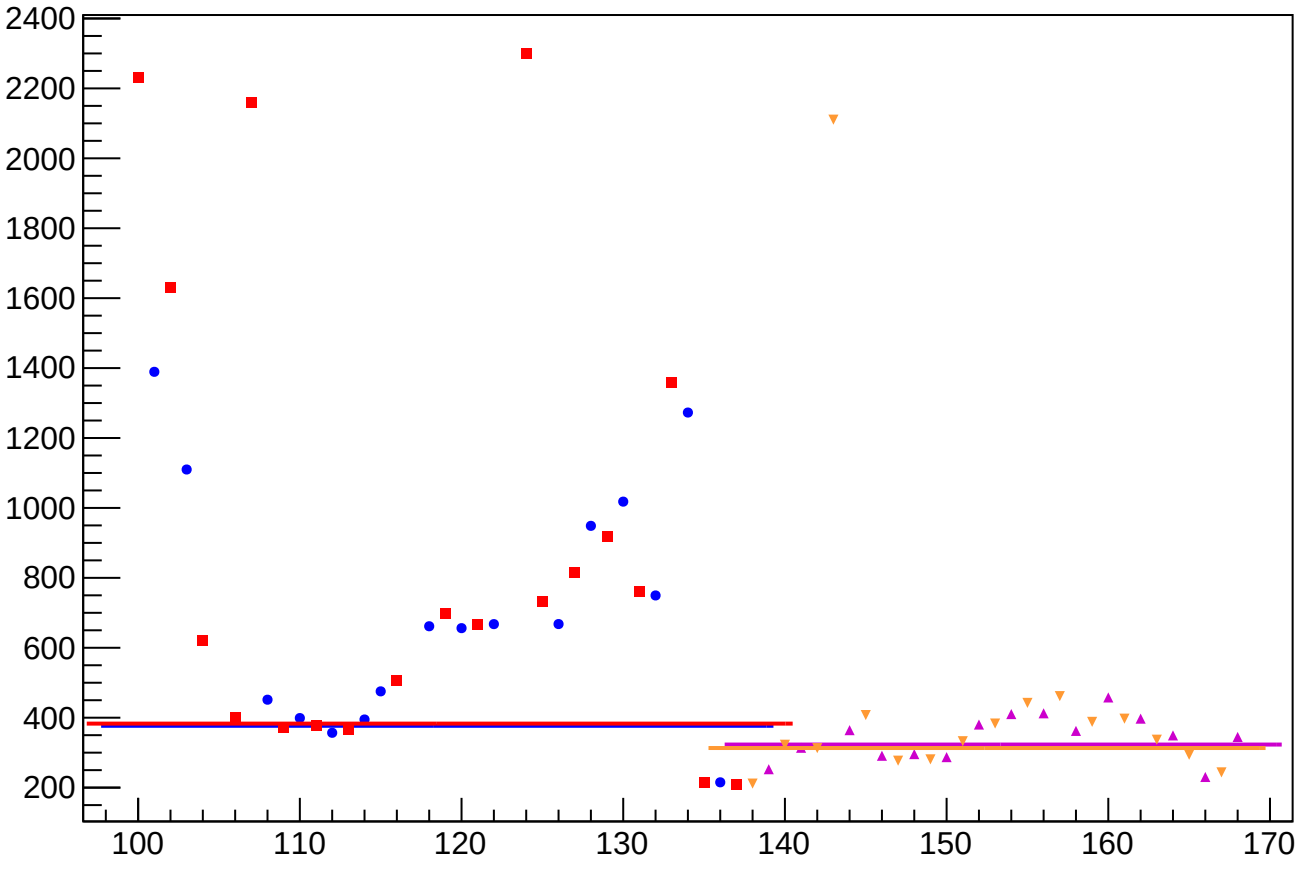
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -4.652+/-81.916 χ^2/NDF:32.8/30

Out: -190.448+/-81.559 χ^2/NDF:53.2/34

All: -97.956+/-57.797 χ^2/NDF: 88.6/65

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: 313.264+/-0.066 χ^2/NDF:2317331.4/15

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 323.177+/-0.066 χ^2/NDF:825595.6/14

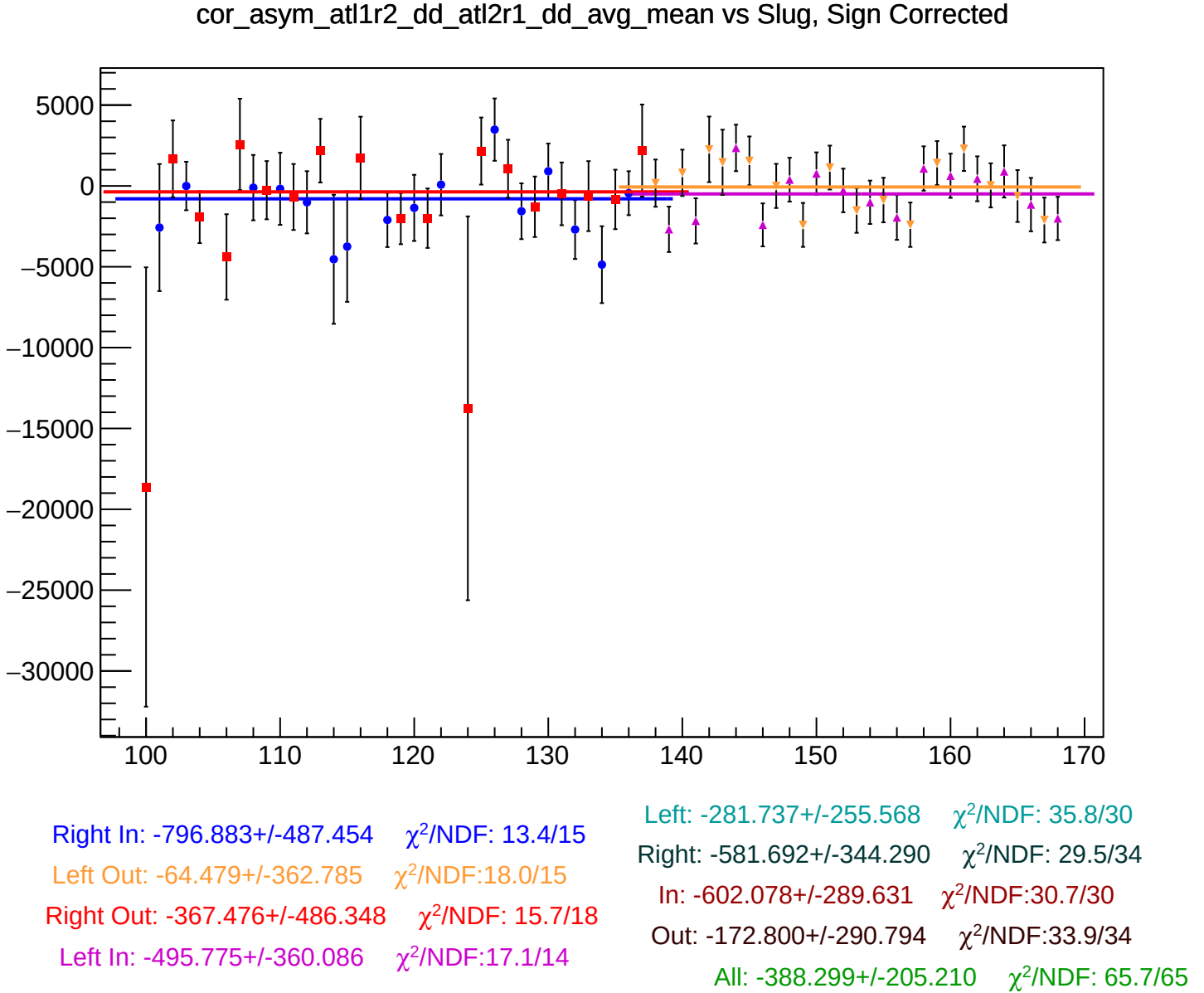
Left: 318.180+/-0.047 χ^2/NDF: 3154190.0/30

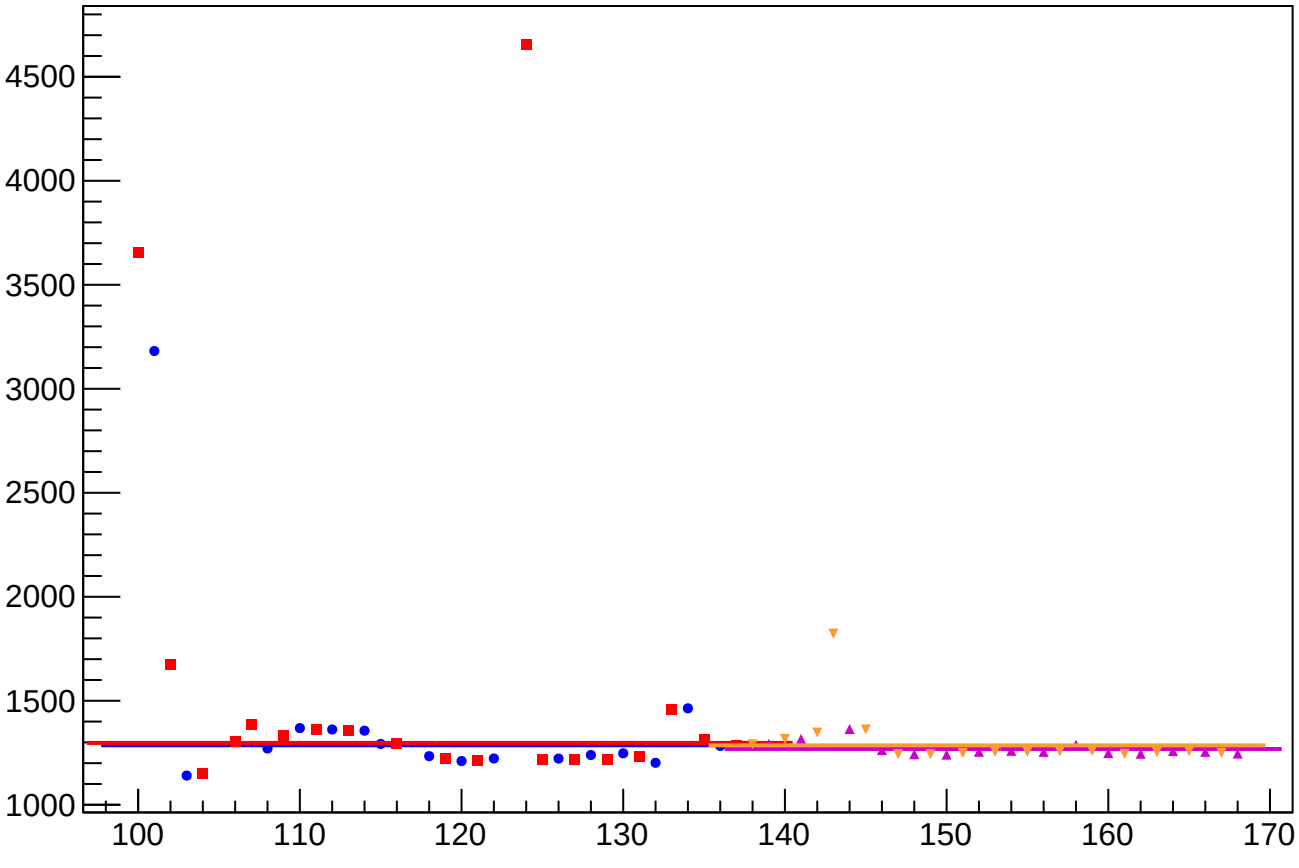
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 335.917+/-0.058 χ^2/NDF:5171379.6/30

Out: 329.413+/-0.058 χ^2/NDF:6631996.9/34

All: 332.651+/-0.041 χ^2/NDF: 11809709.1/65


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
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -64.479+/-362.785 χ²/NDF:18.0/15
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -495.775+/-360.086 χ²/NDF:17.1/14
Left: -281.737+/-255.568 χ²/NDF: 35.8/30
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -602.078+/-289.631 χ²/NDF:30.7/30
Out: -172.800+/-290.794 χ²/NDF:33.9/34
All: -388.299+/-205.210 χ²/NDF: 65.7/65



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

Left: 1276.837+/-0.181 χ^2/NDF: 181904.3/30

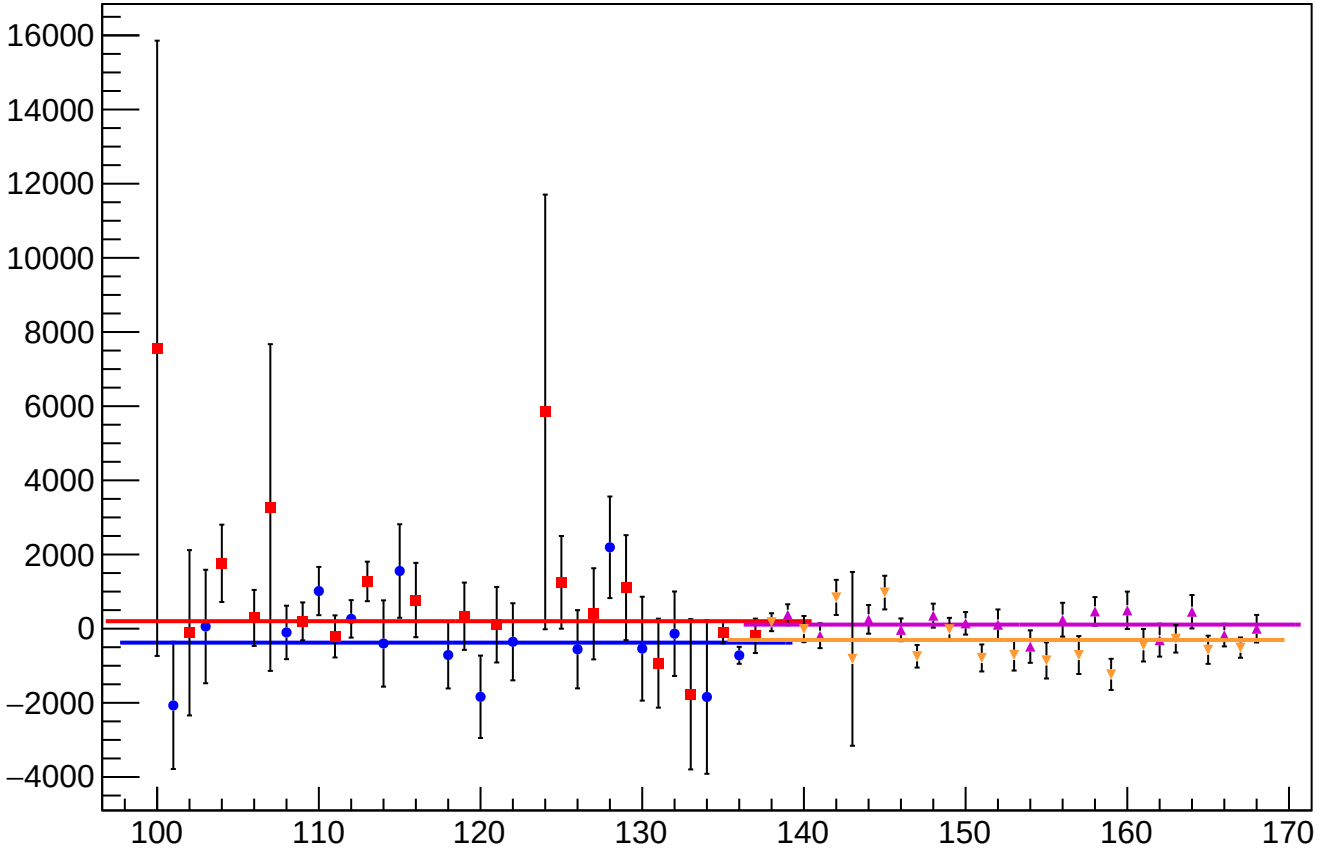
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1274.533+/-0.205 χ^2/NDF:535953.6/30

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

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: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 109.672+/-93.791 χ^2/NDF:8.4/14

Left: -99.172+/-66.049 χ^2/NDF: 50.3/30

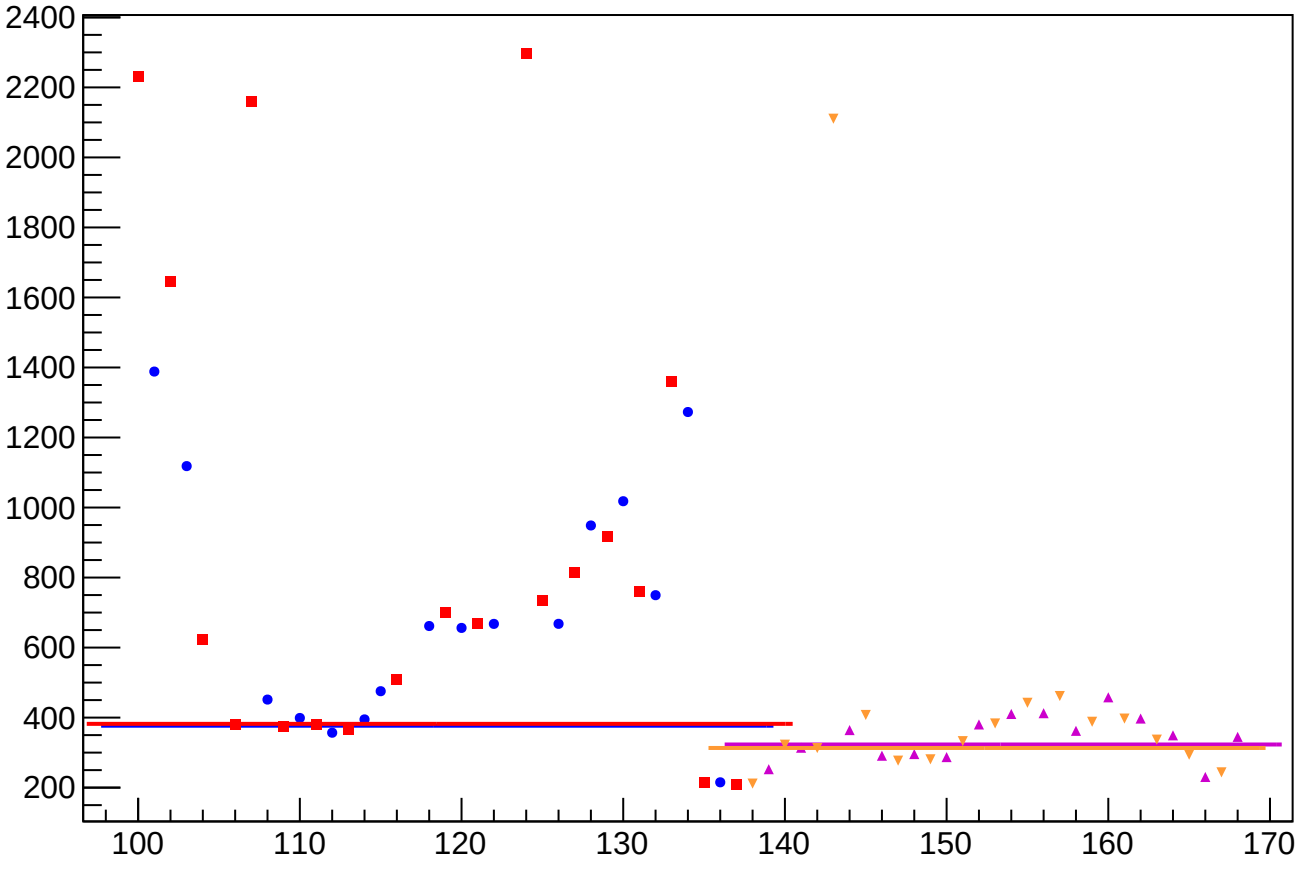
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.681+/-81.919 χ^2/NDF:32.7/30

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -96.856+/-57.790 χ^2/NDF: 88.2/65

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

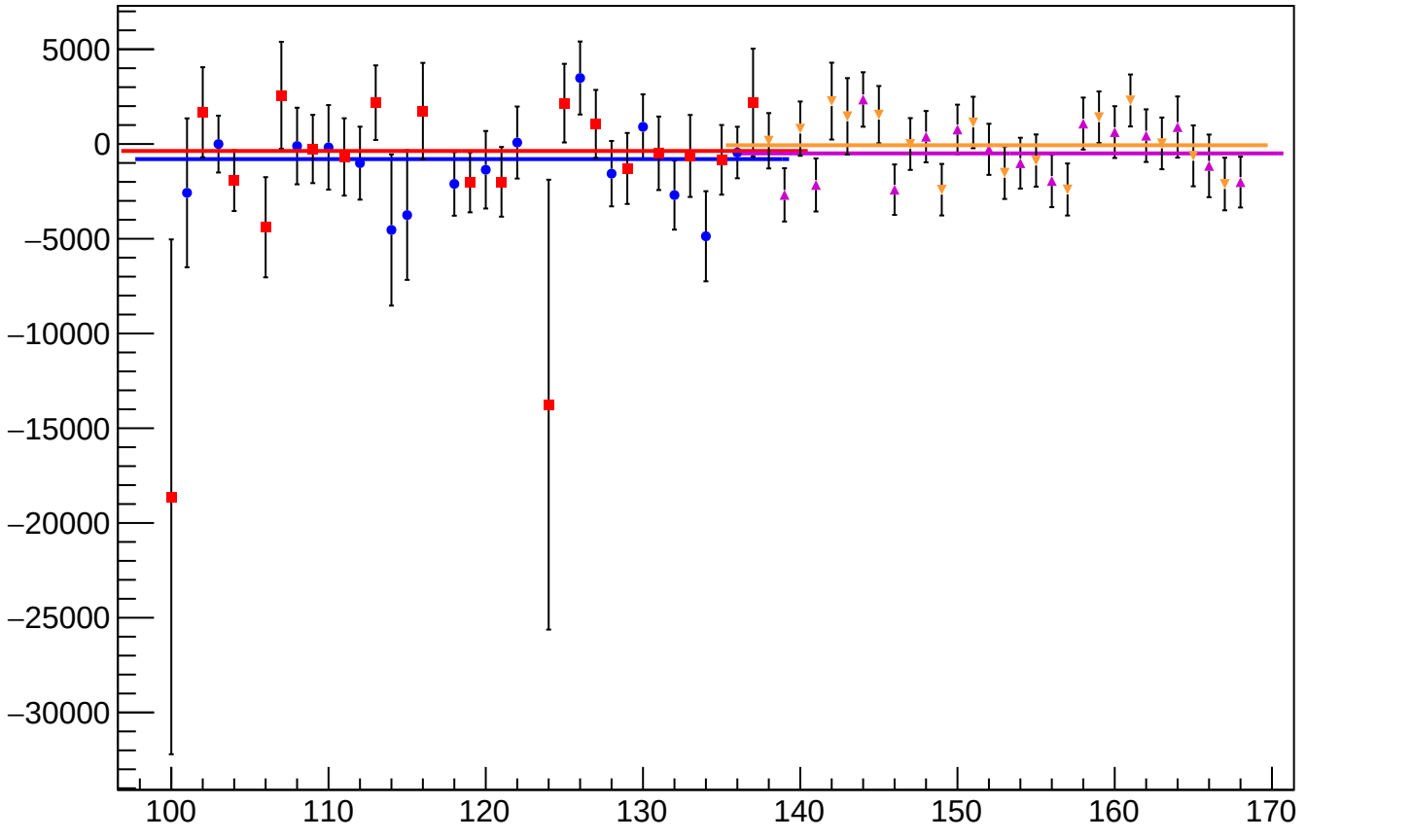
Left: 318.184+/-0.047 χ^2/NDF: 3154145.0/30

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.913+/-0.058 χ^2/NDF:5174551.3/30

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -64.479+/-362.785 χ^2/NDF:18.0/15

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -495.775+/-360.086 χ^2/NDF:17.1/14

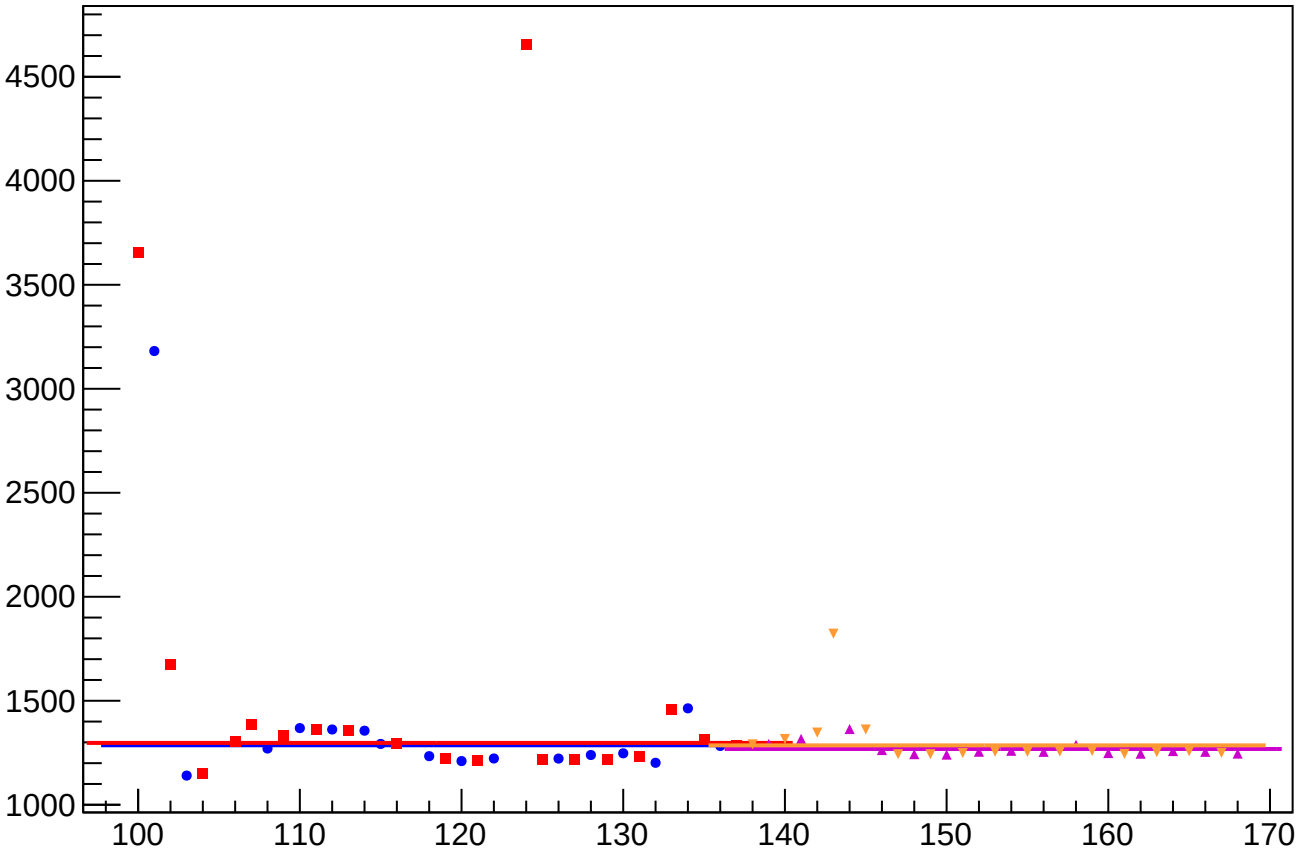
Left: -281.737+/-255.568 χ^2/NDF: 35.8/30

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -602.078+/-289.631 χ^2/NDF:30.7/30

Out: -172.800+/-290.794 χ^2/NDF:33.9/34

All: -388.299+/-205.210 χ^2/NDF: 65.7/65



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1285.581+/-0.257 χ^2/NDF:163512.3/15

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1268.223+/-0.255 χ^2/NDF:16085.4/14

Left: 1276.837+/-0.181 χ^2/NDF: 181904.3/30

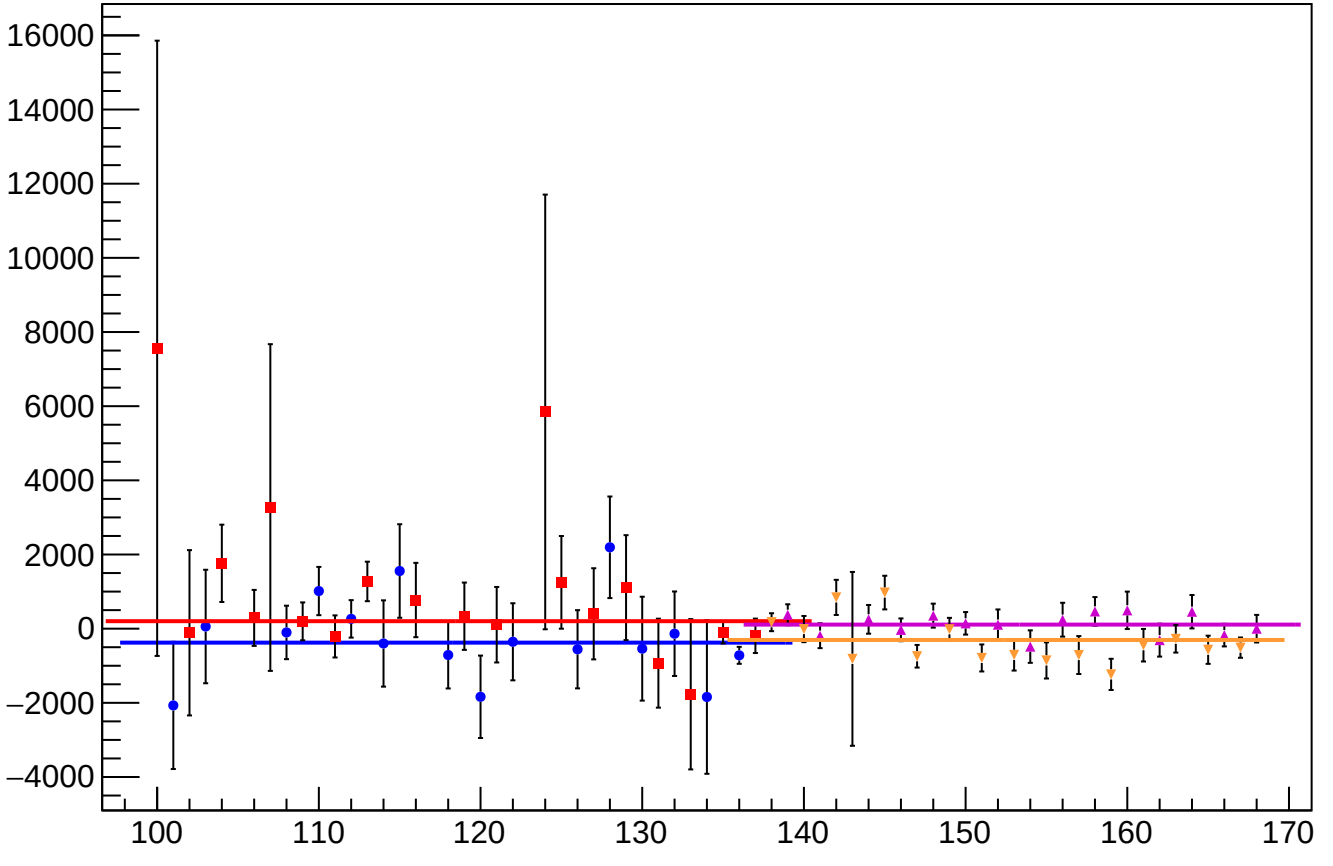
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1274.533+/-0.205 χ^2/NDF:535953.6/30

Out: 1289.804+/-0.206 χ^2/NDF:492012.1/34

All: 1282.138+/-0.145 χ^2/NDF: 1030734.7/65

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: -304.631+/-93.028 χ^2/NDF:32.1/15

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 109.672+/-93.791 χ^2/NDF:8.4/14

Left: -99.172+/-66.049 χ^2/NDF: 50.3/30

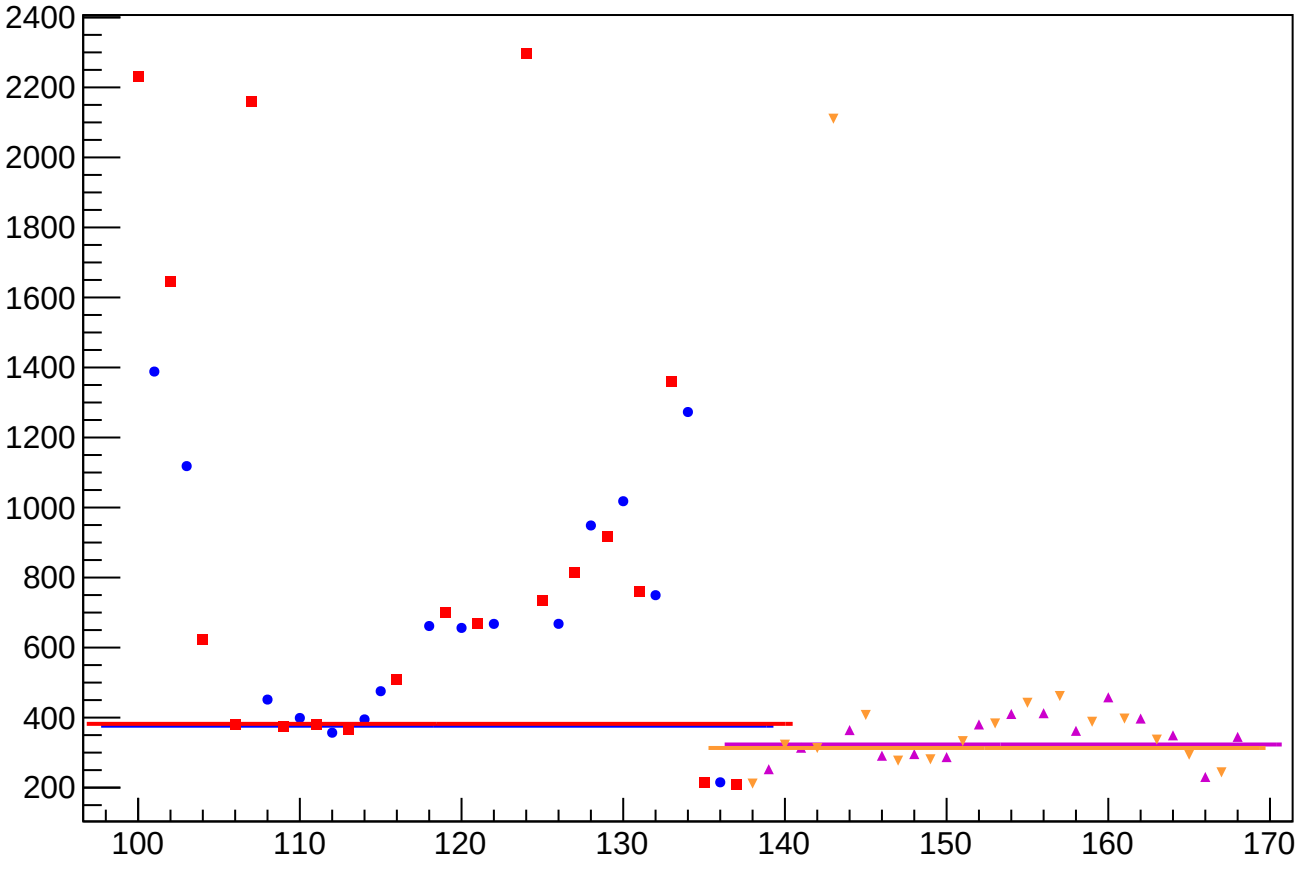
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -5.681+/-81.919 χ^2/NDF:32.7/30

Out: -187.187+/-81.539 χ^2/NDF:53.0/34

All: -96.856+/-57.790 χ^2/NDF: 88.2/65

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: 313.272+/-0.066 χ^2/NDF:2317186.1/15

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 323.178+/-0.066 χ^2/NDF:825714.2/14

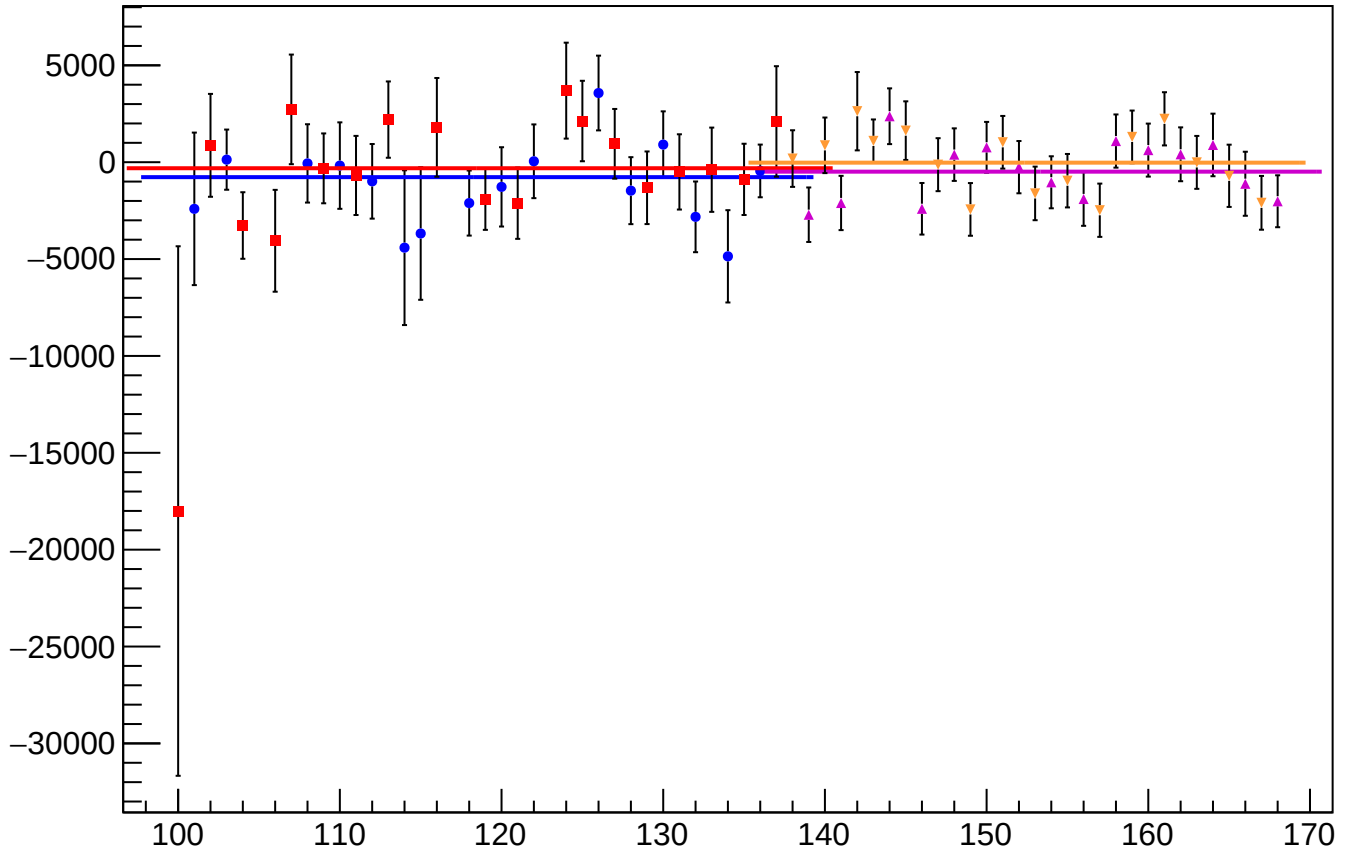
Left: 318.184+/-0.047 χ^2/NDF: 3154145.0/30

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 335.913+/-0.058 χ^2/NDF:5174551.3/30

Out: 329.231+/-0.058 χ^2/NDF:6630768.9/34

All: 332.557+/-0.041 χ^2/NDF: 11812004.4/65



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -23.503+/-350.082 χ^2/NDF:19.2/15

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -488.459+/-360.350 χ^2/NDF:17.0/14

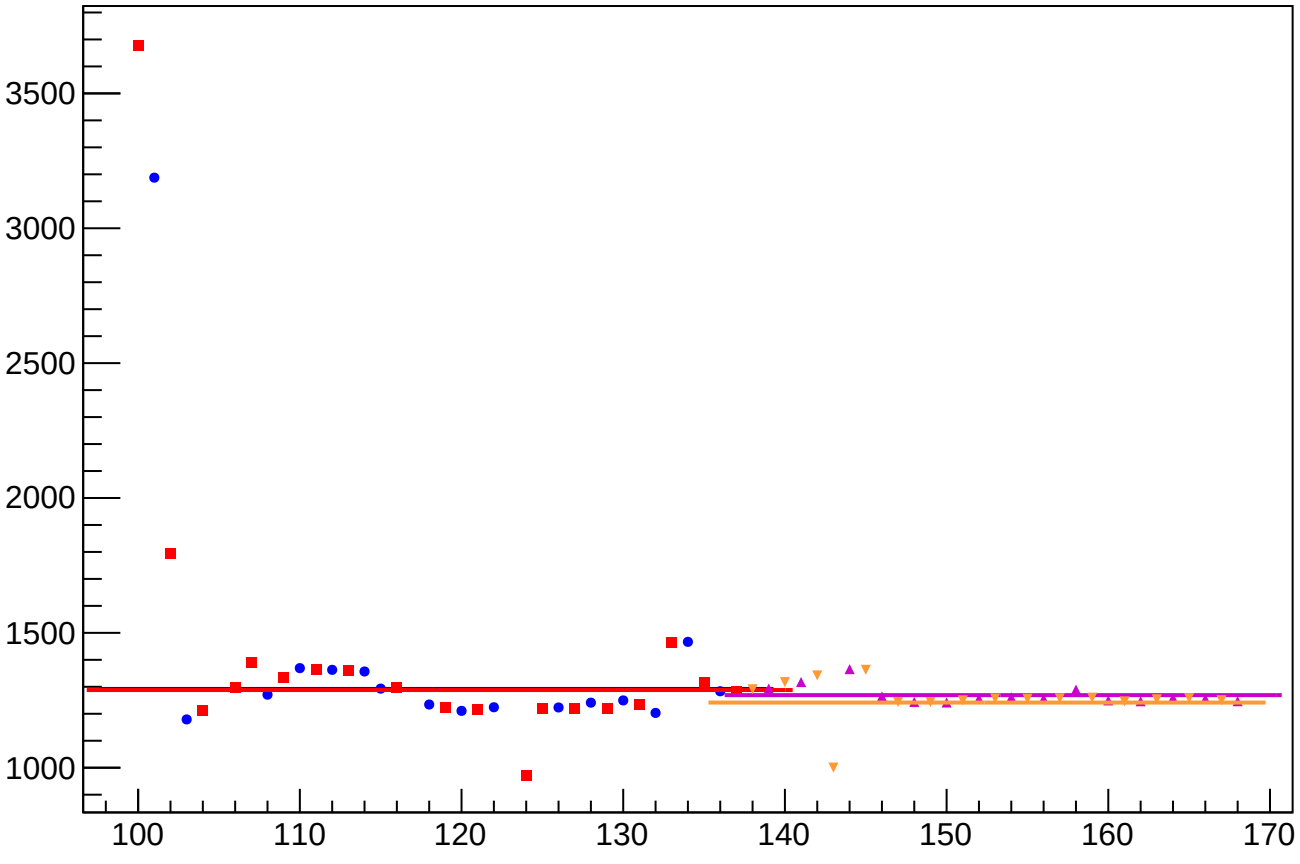
Left: -249.263+/-251.097 χ^2/NDF: 37.0/30

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -587.909+/-290.218 χ^2/NDF:30.8/30

Out: -122.760+/-283.384 χ^2/NDF:37.3/34

All: -349.794+/-202.756 χ^2/NDF: 69.5/65



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122229.2/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

Left: 1254.954+/-0.178 χ^2/NDF: 144466.3/30

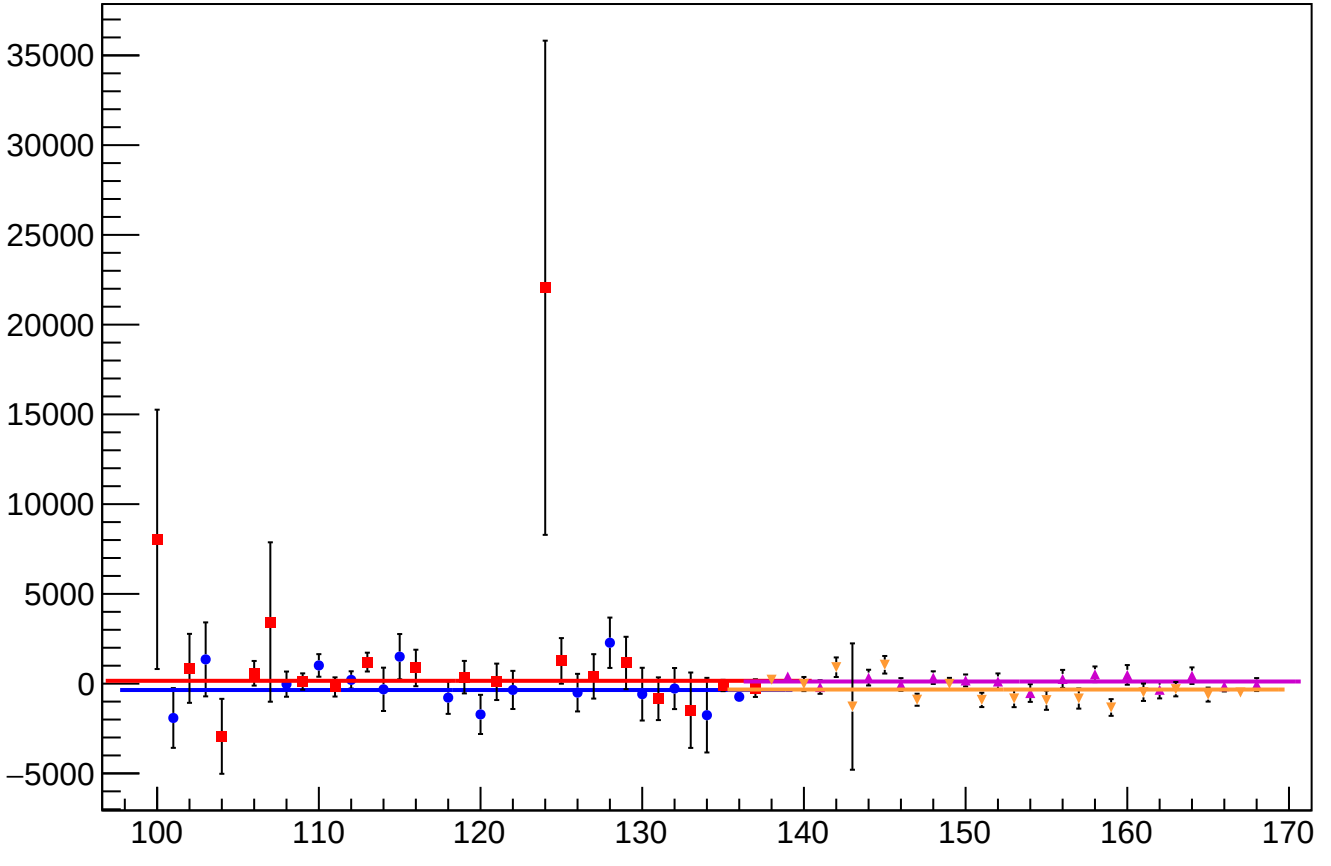
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1277.189+/-0.205 χ^2/NDF:528450.7/30

Out: 1257.566+/-0.200 χ^2/NDF:343564.7/34

All: 1267.144+/-0.143 χ^2/NDF: 876695.7/65

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: -327.824+/-98.934 χ^2/NDF:33.4/15

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 119.218+/-99.769 χ^2/NDF:8.1/14

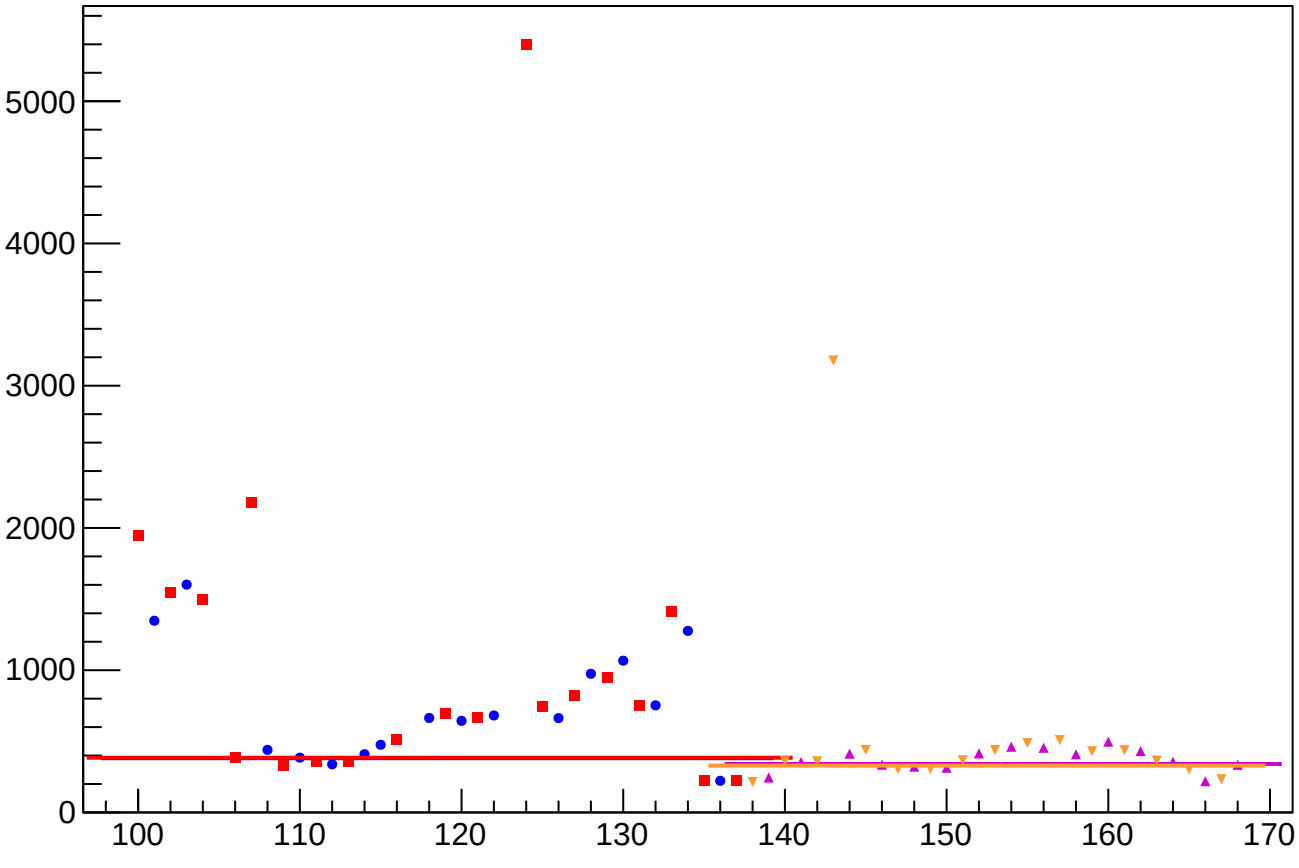
Left: -106.183+/-70.250 χ^2/NDF: 51.6/30

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.360+/-86.042 χ^2/NDF:32.3/30

Out: -204.569+/-85.465 χ^2/NDF:55.3/34

All: -104.144+/-60.636 χ^2/NDF: 90.4/65



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 329.360+/-0.070 χ^2/NDF:2886622.7/15

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 340.894+/-0.071 χ^2/NDF:1222240.6/14

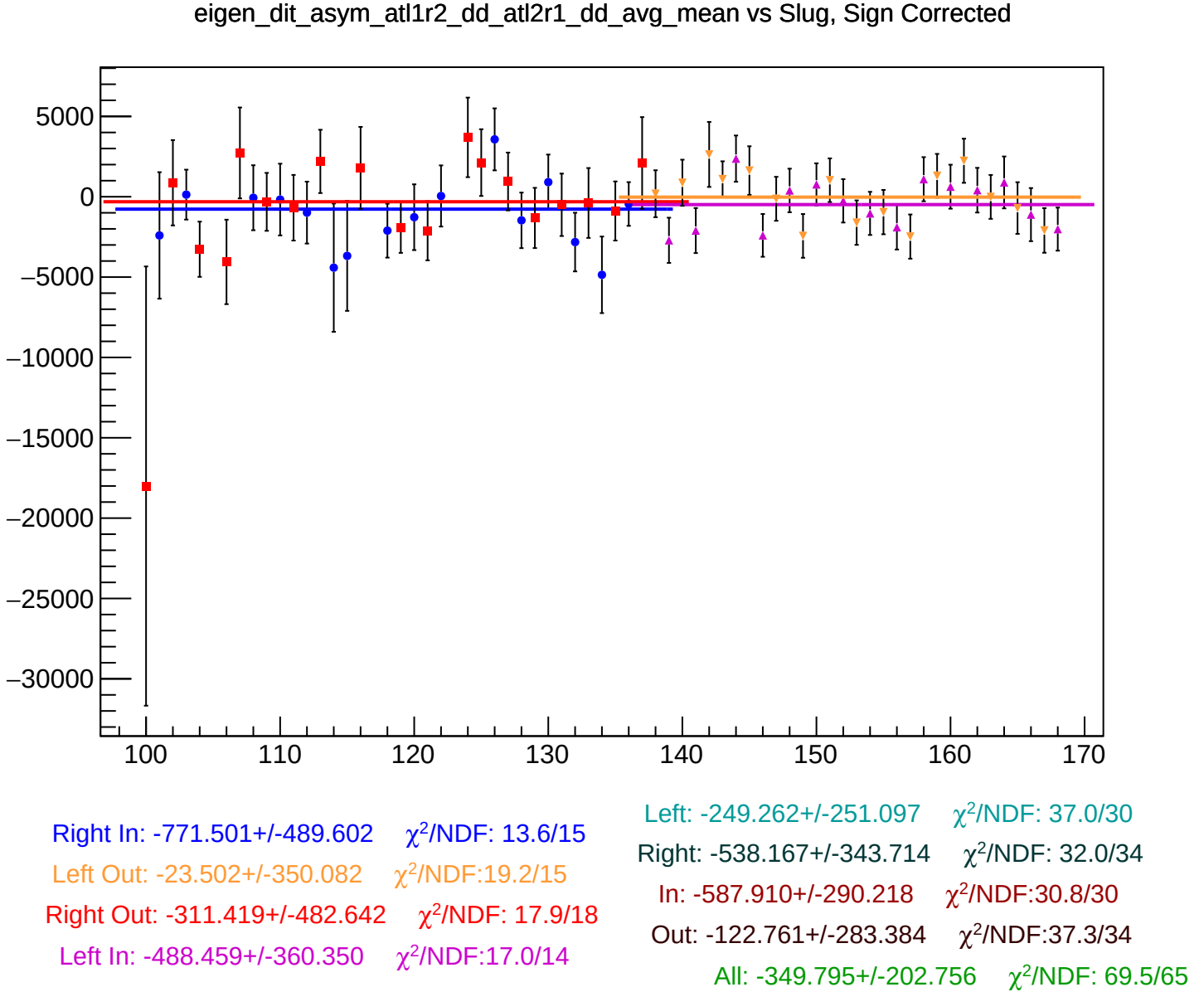
Left: 335.078+/-0.050 χ^2/NDF: 4122340.4/30

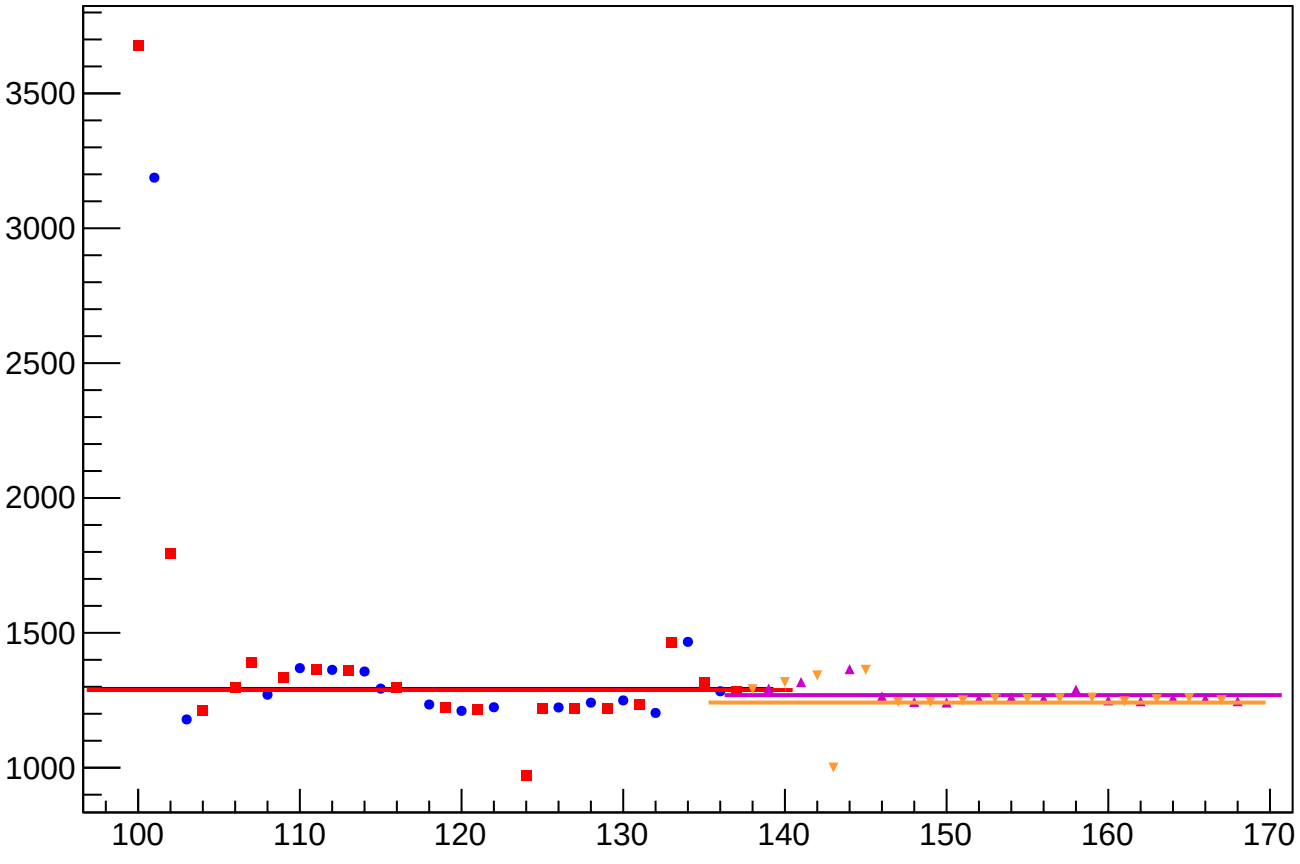
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 351.261+/-0.061 χ^2/NDF:5624430.2/30

Out: 343.389+/-0.060 χ^2/NDF:7605335.8/34

All: 347.299+/-0.043 χ^2/NDF: 13238190.9/65


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -23.502+/-350.082 χ²/NDF:19.2/15
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -488.459+/-360.350 χ²/NDF:17.0/14
Left: -249.262+/-251.097 χ²/NDF: 37.0/30
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -587.910+/-290.218 χ²/NDF:30.8/30
Out: -122.761+/-283.384 χ²/NDF:37.3/34
All: -349.795+/-202.756 χ²/NDF: 69.5/65



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.561+/-0.248 χ^2/NDF:122228.4/15

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1269.145+/-0.255 χ^2/NDF:16208.2/14

Left: 1254.954+/-0.178 χ^2/NDF: 144465.5/30

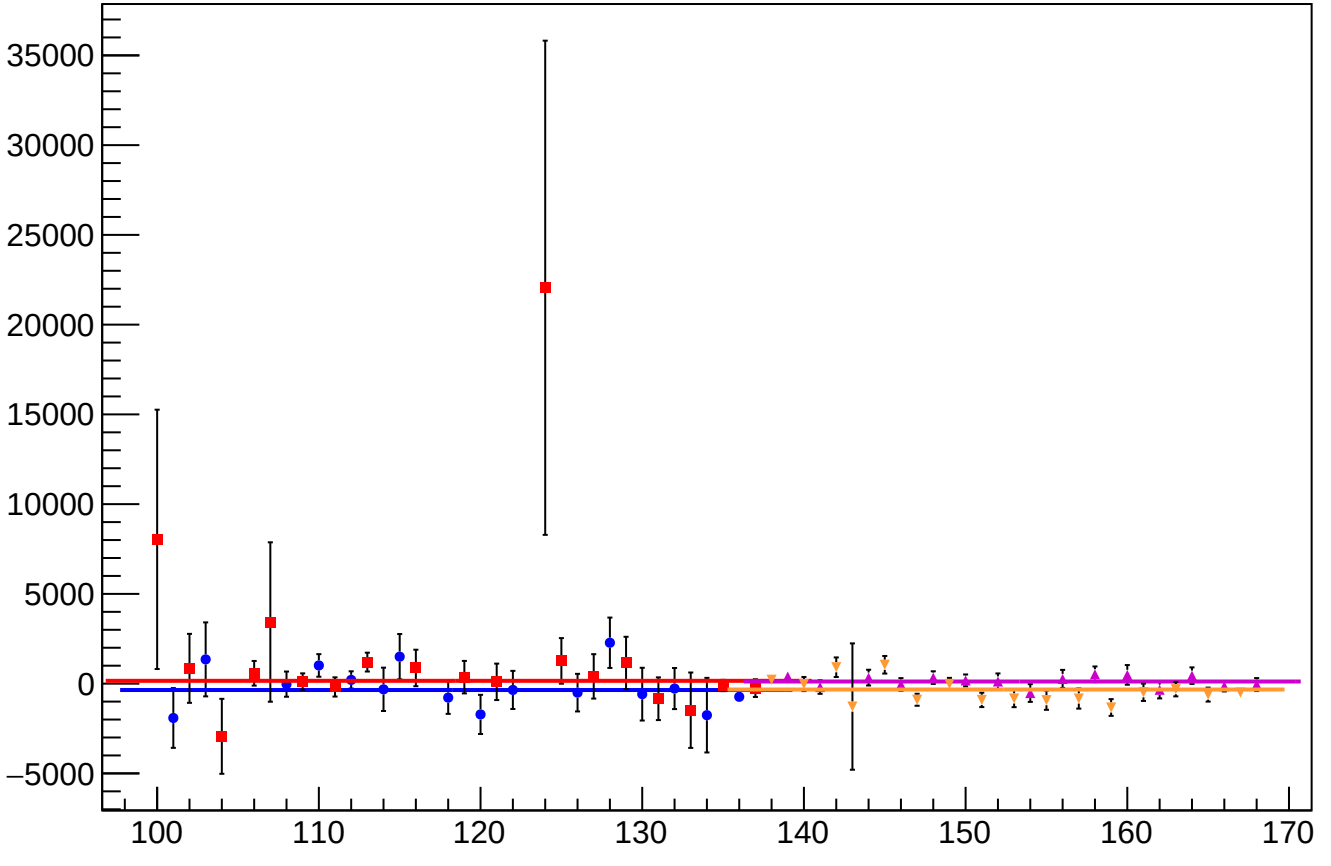
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1277.189+/-0.205 χ^2/NDF:528450.7/30

Out: 1257.567+/-0.200 χ^2/NDF:343564.1/34

All: 1267.144+/-0.143 χ^2/NDF: 876695.1/65

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: -327.835+/-98.935 χ^2/NDF:33.4/15

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 119.216+/-99.770 χ^2/NDF:8.1/14

Left: -106.188+/-70.251 χ^2/NDF: 51.6/30

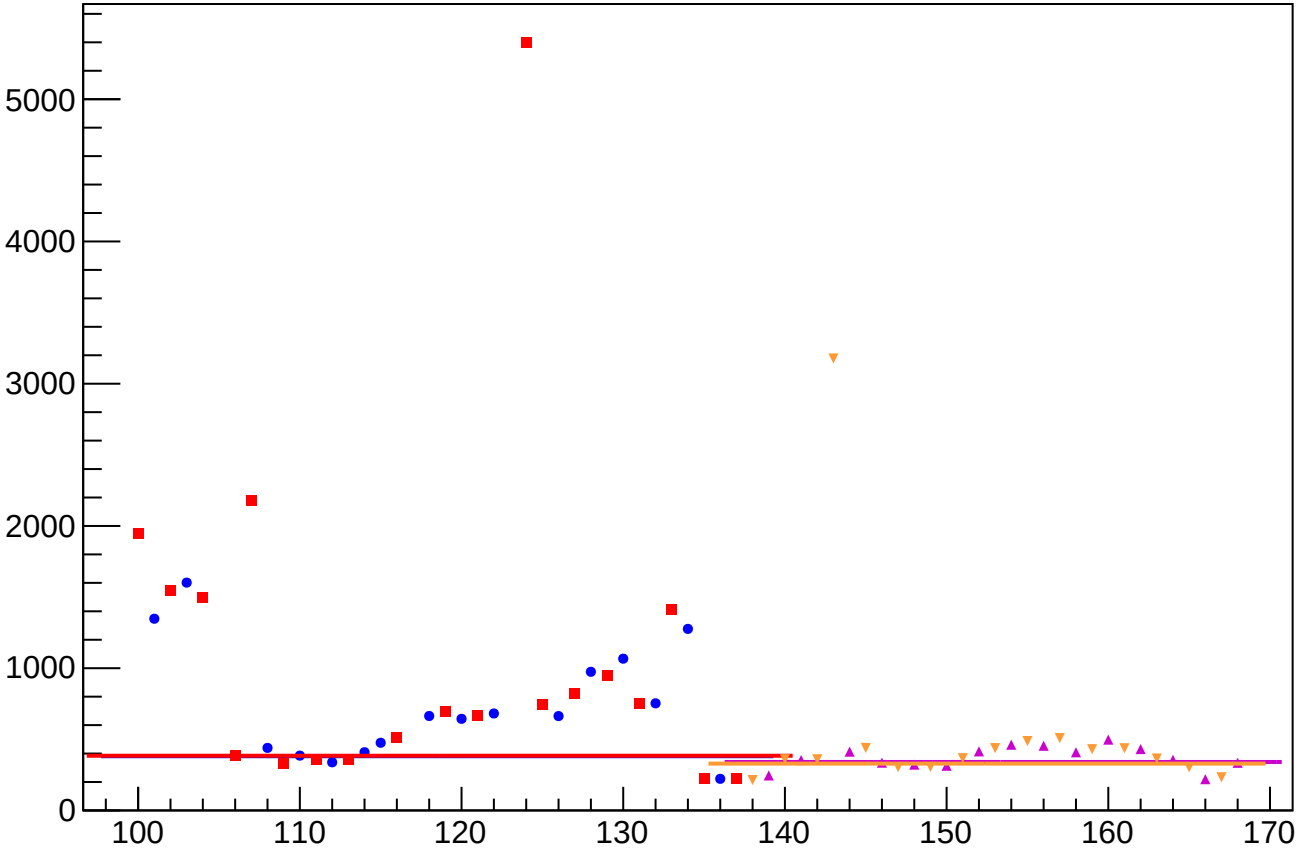
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.360+/-86.042 χ^2/NDF:32.3/30

Out: -204.576+/-85.466 χ^2/NDF:55.3/34

All: -104.148+/-60.636 χ^2/NDF: 90.4/65

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: 329.363+/-0.070 χ^2/NDF:2886488.8/15

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 340.896+/-0.071 χ^2/NDF:1222165.2/14

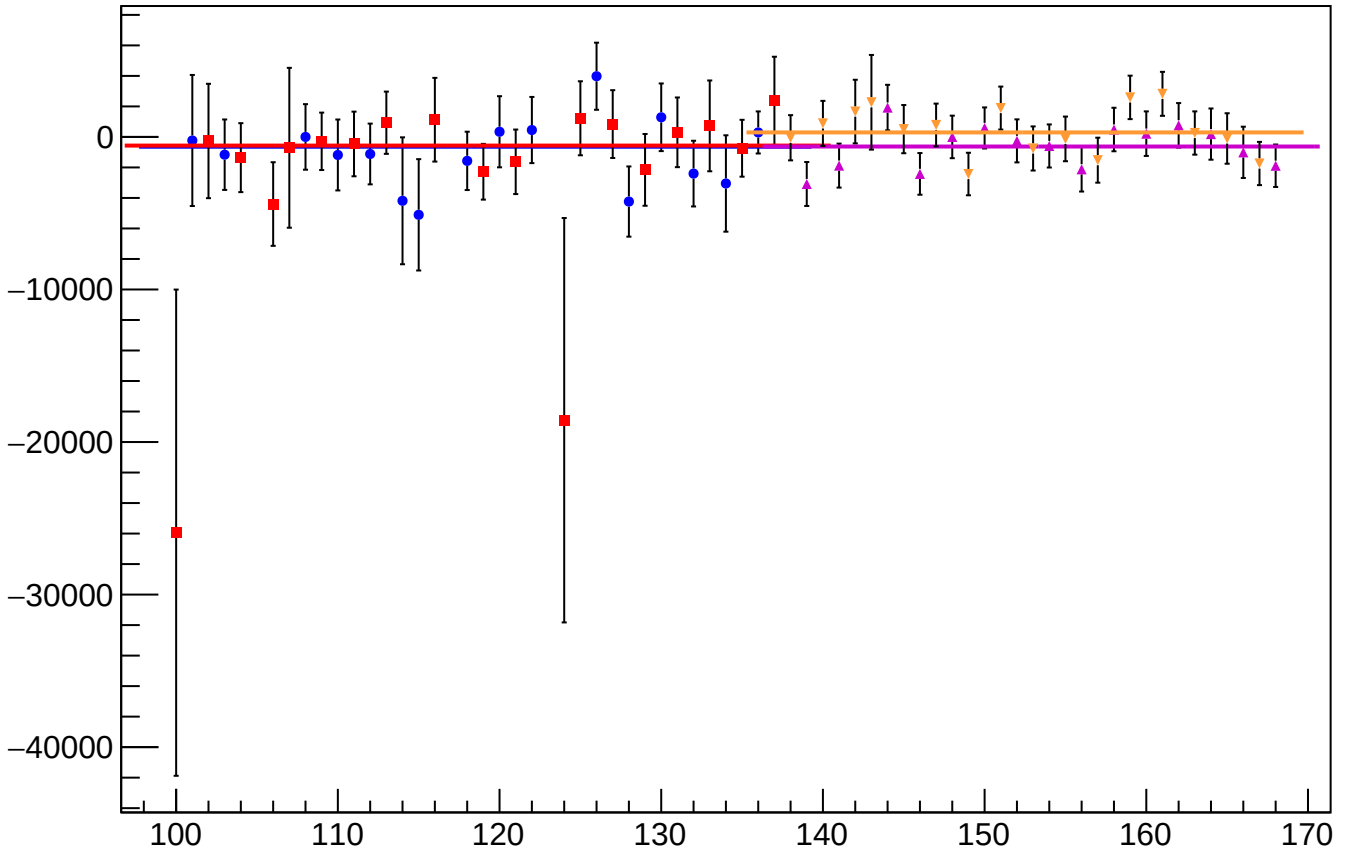
Left: 335.081+/-0.050 χ^2/NDF: 4122128.1/30

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 351.265+/-0.061 χ^2/NDF:5624199.5/30

Out: 343.394+/-0.060 χ^2/NDF:7605082.4/34

All: 347.303+/-0.043 χ^2/NDF: 13237705.7/65



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 295.725+/-380.267 χ^2/NDF:16.2/15

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -628.888+/-374.124 χ^2/NDF:13.4/14

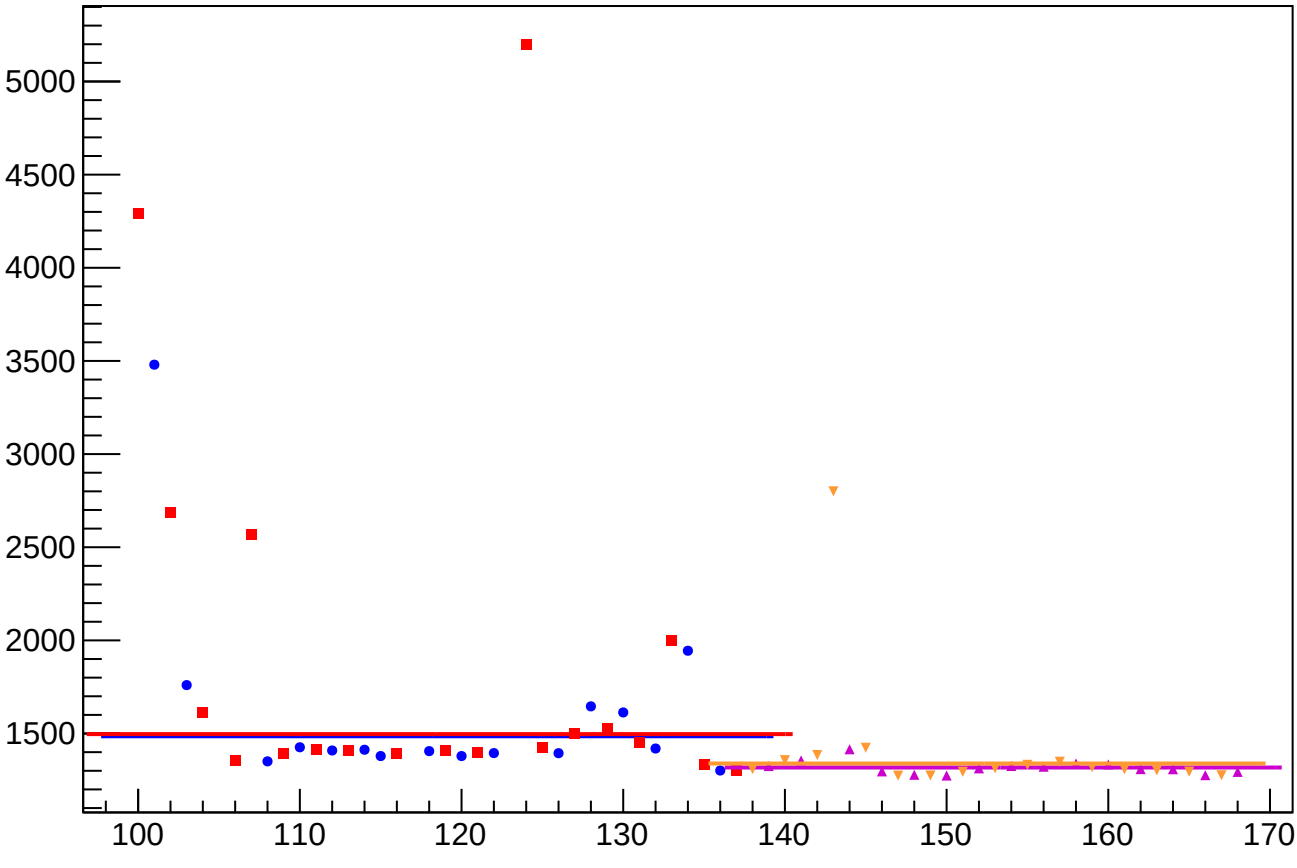
Left: -174.109+/-266.691 χ^2/NDF: 32.6/30

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -632.532+/-311.830 χ^2/NDF:25.9/30

Out: 27.843+/-315.778 χ^2/NDF:29.2/34

All: -306.499+/-221.880 χ^2/NDF: 57.3/65



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1339.155+/-0.269 χ^2/NDF:470405.8/15

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1317.605+/-0.265 χ^2/NDF:16823.5/14

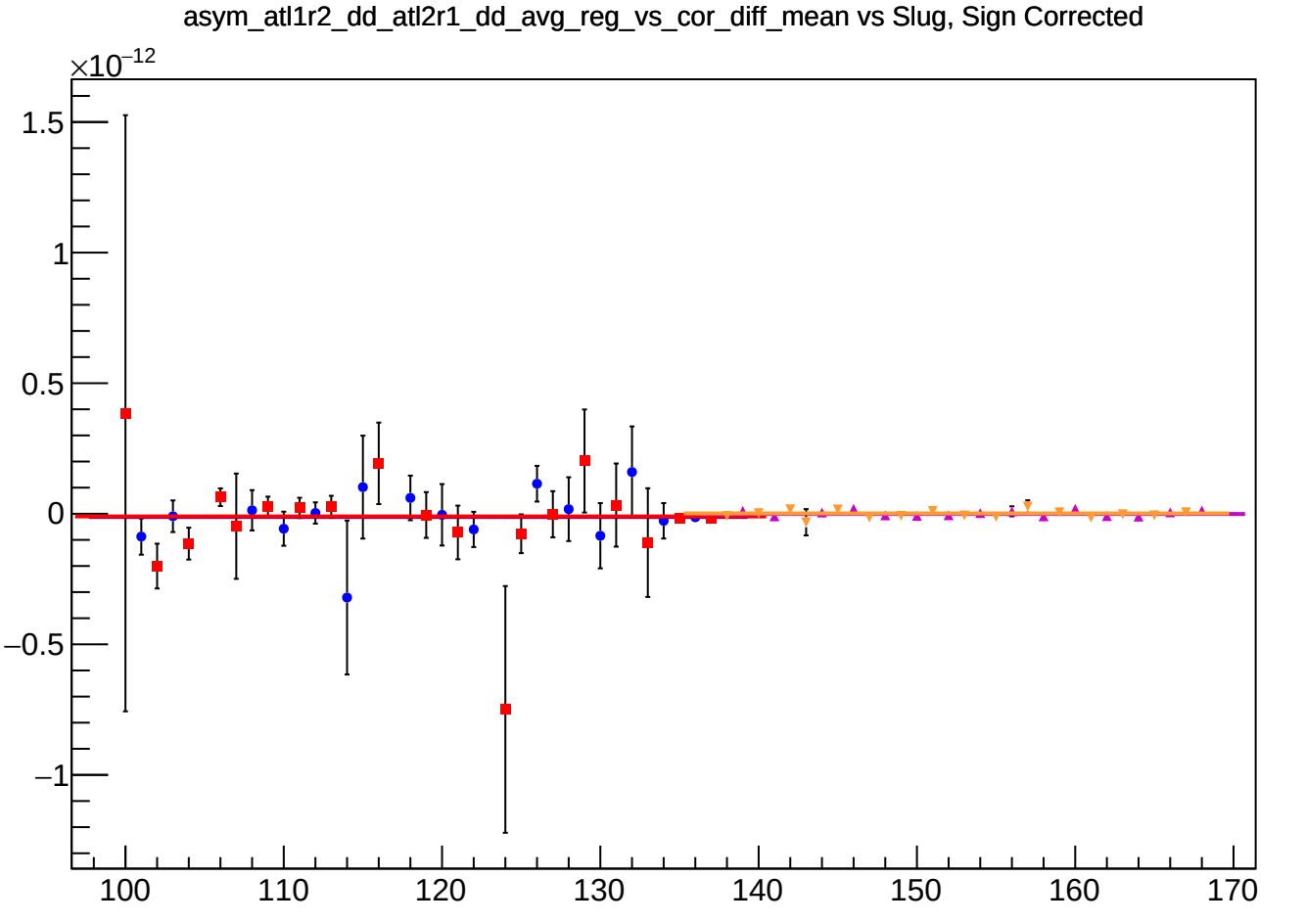
Left: 1328.205+/-0.189 χ^2/NDF: 490493.3/30

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1368.822+/-0.220 χ^2/NDF:724070.5/30

Out: 1388.111+/-0.223 χ^2/NDF:1200485.6/34

All: 1378.345+/-0.157 χ^2/NDF: 1928334.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/14

Left: 0.000+/-0.000 χ^2/NDF: 30.7/30

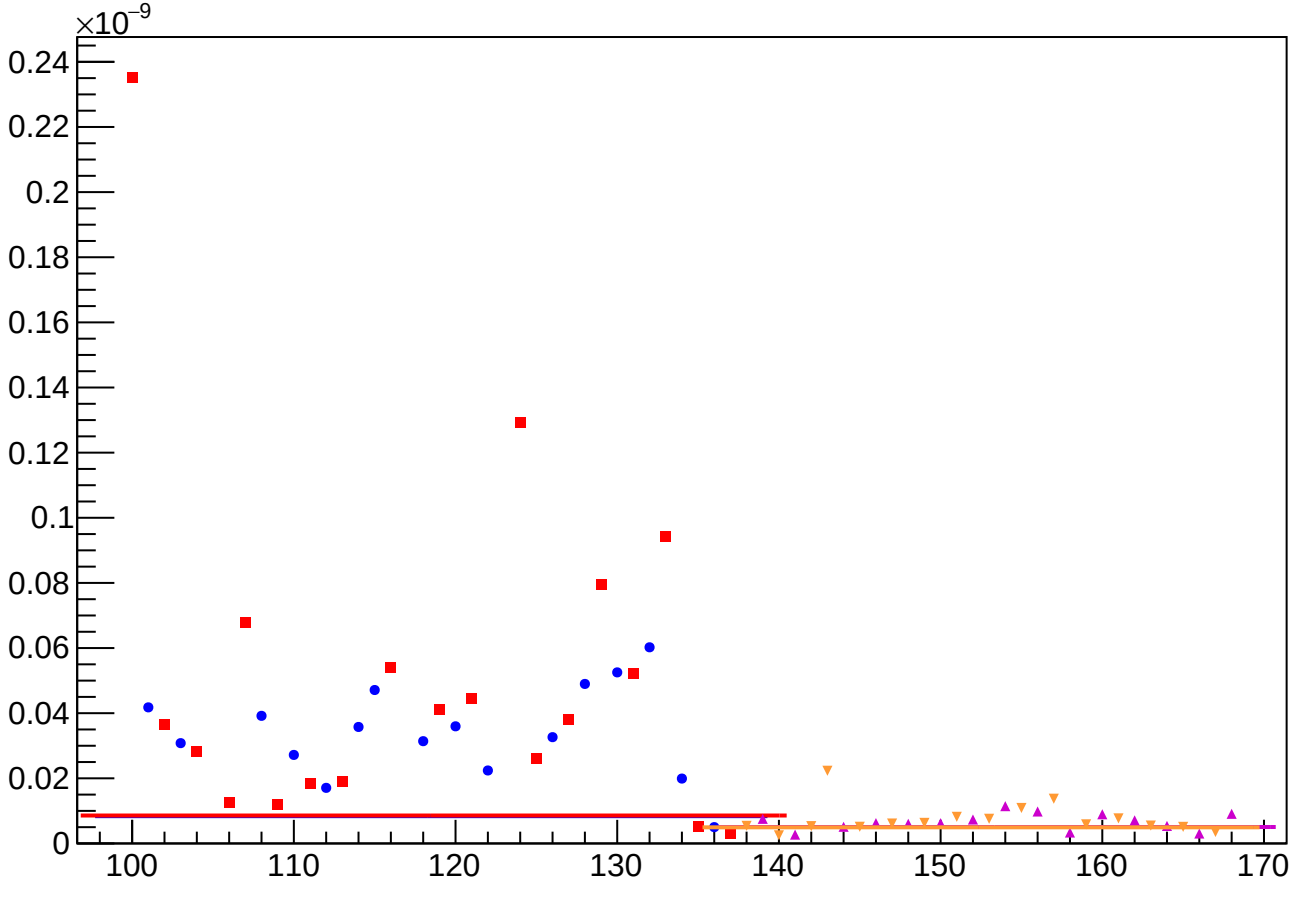
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:27.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 66.6/65

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1759200.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1575056.4/14

Left: 0.000+/-0.000 χ^2/NDF: 3336020.8/30

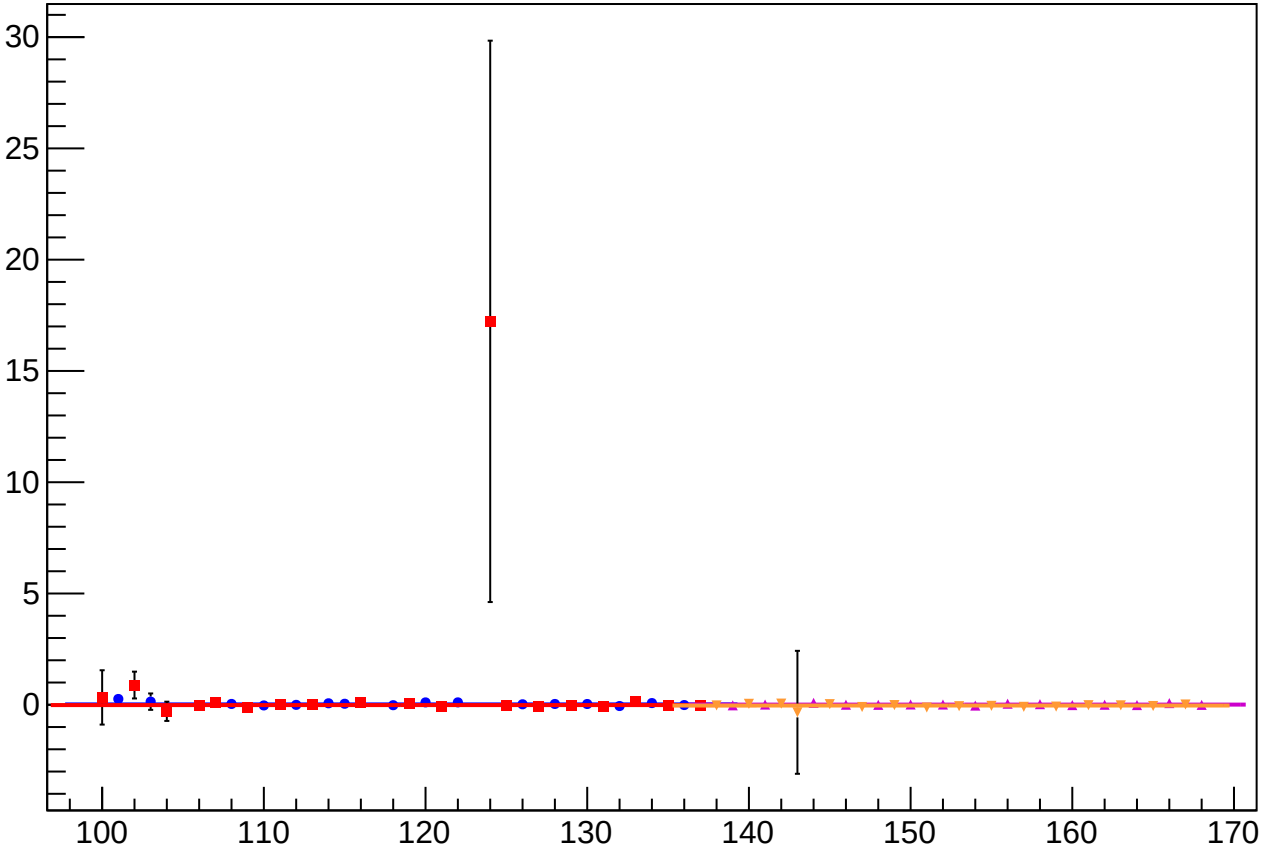
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4994521.1/30

Out: 0.000+/-0.000 χ^2/NDF:5483617.6/34

All: 0.000+/-0.000 χ^2/NDF: 10481994.8/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

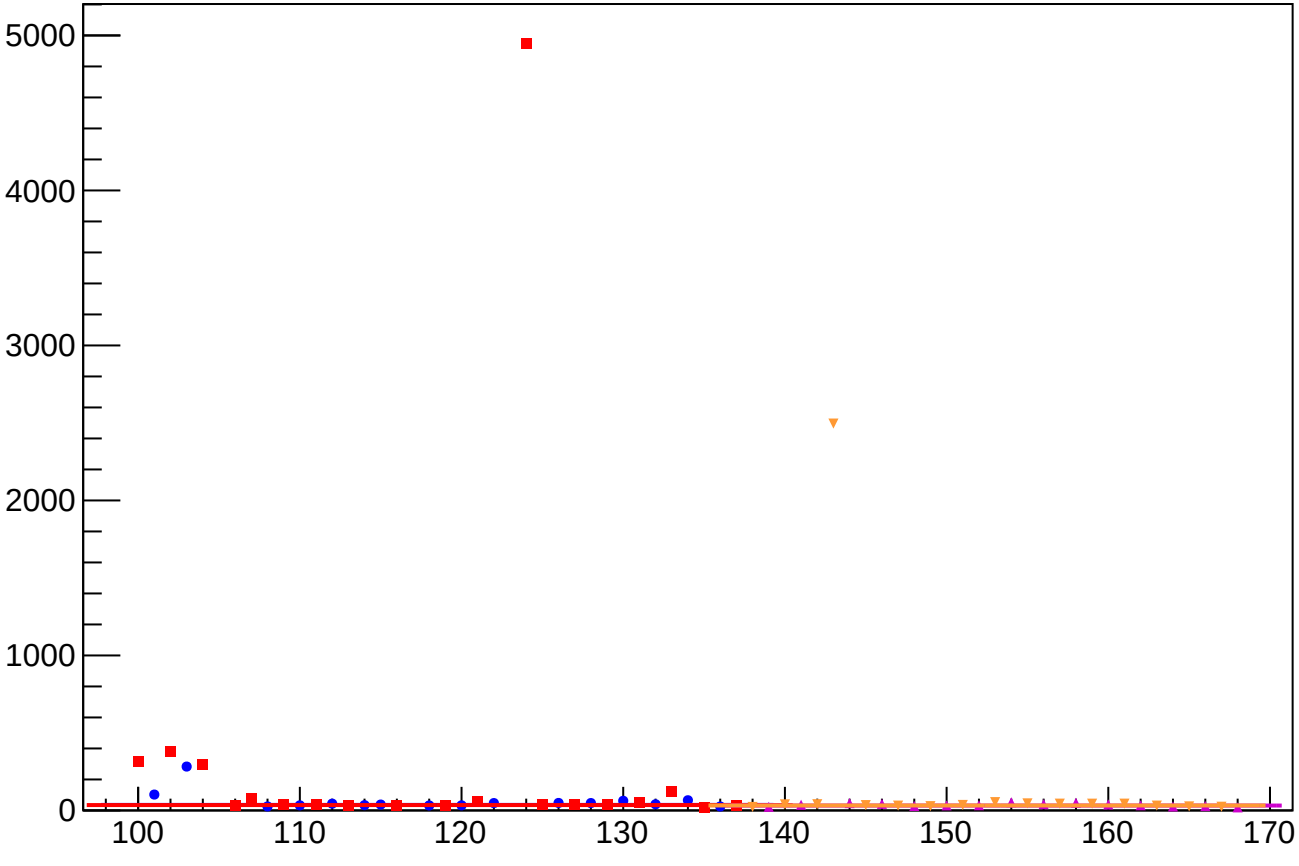
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

Left: 31.933+/-0.005 χ^2/NDF: 4509268.6/30

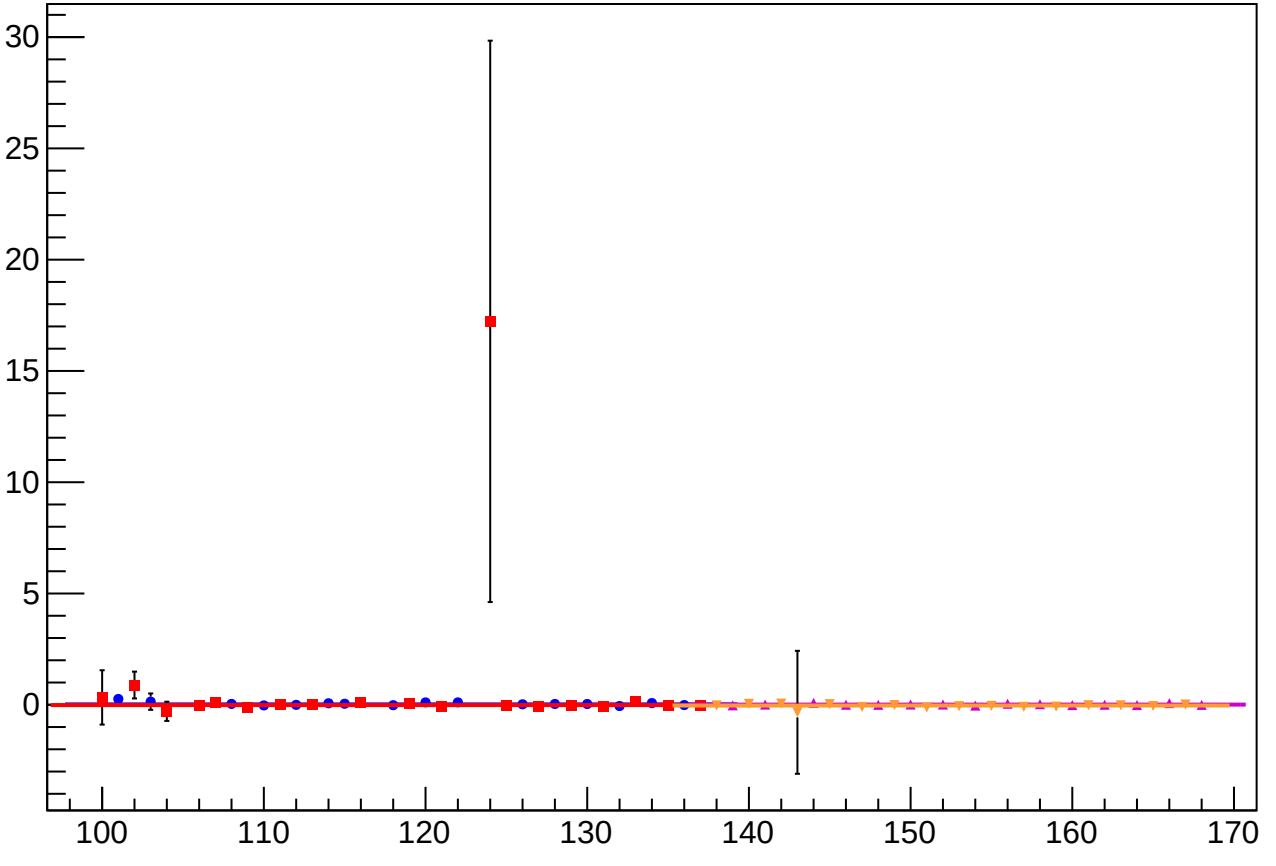
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.858+/-0.006 χ^2/NDF:3978191.3/30

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

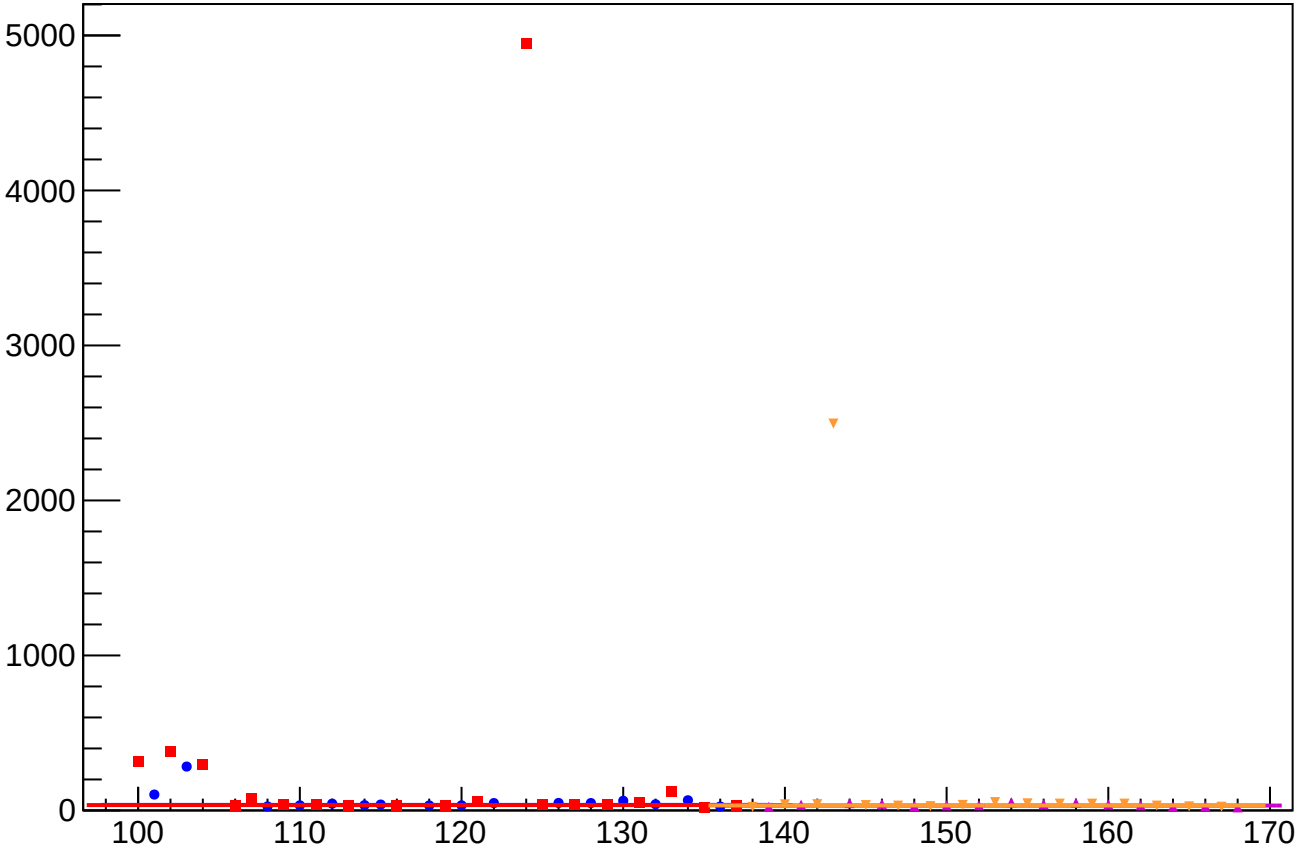
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891530.3/15

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.641+/-0.007 χ^2/NDF:1614263.4/14

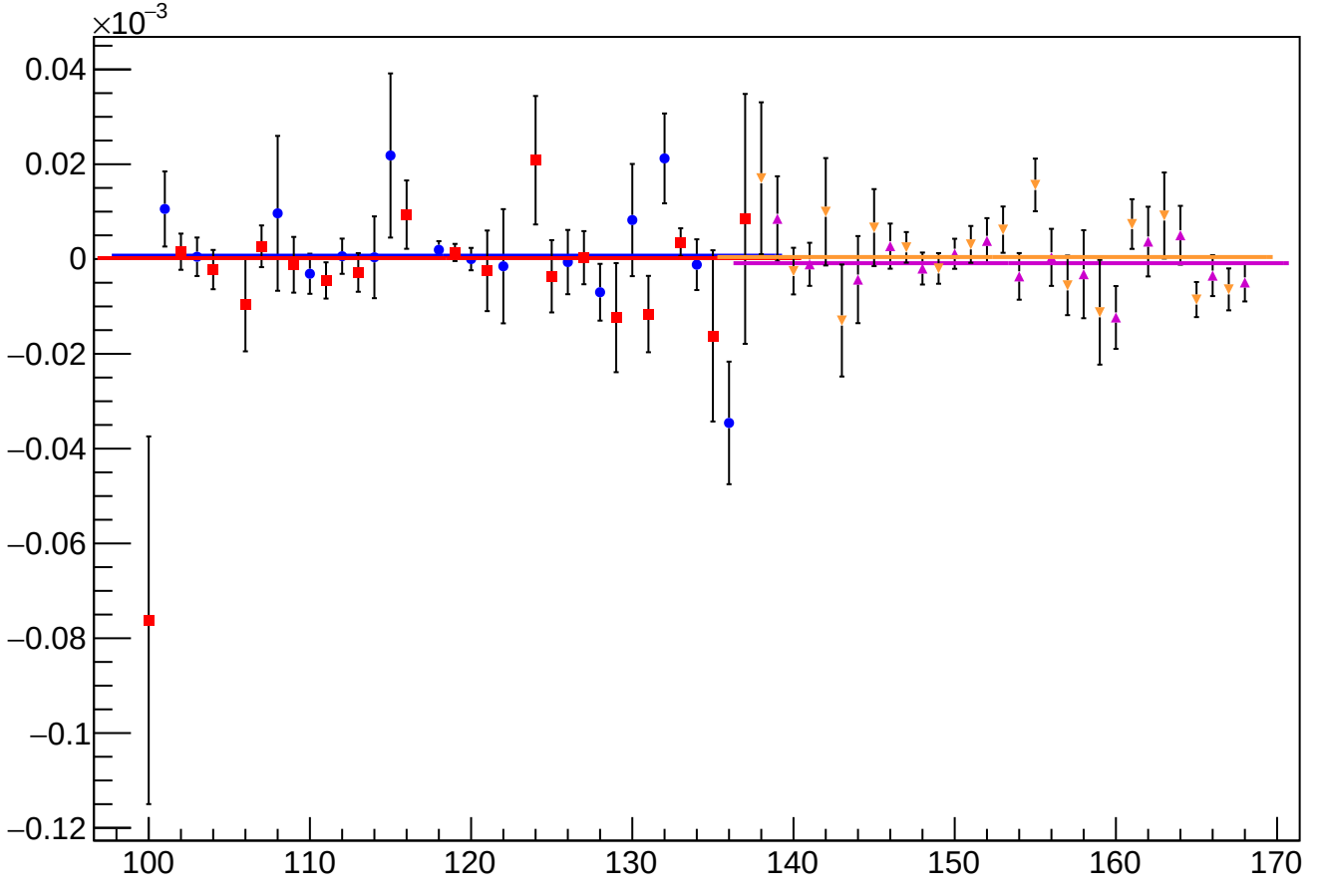
Left: 31.933+/-0.005 χ^2/NDF: 4509268.6/30

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.858+/-0.006 χ^2/NDF:3978191.3/30

Out: 33.016+/-0.006 χ^2/NDF:5842980.7/34

All: 32.935+/-0.004 χ^2/NDF: 9821517.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/14

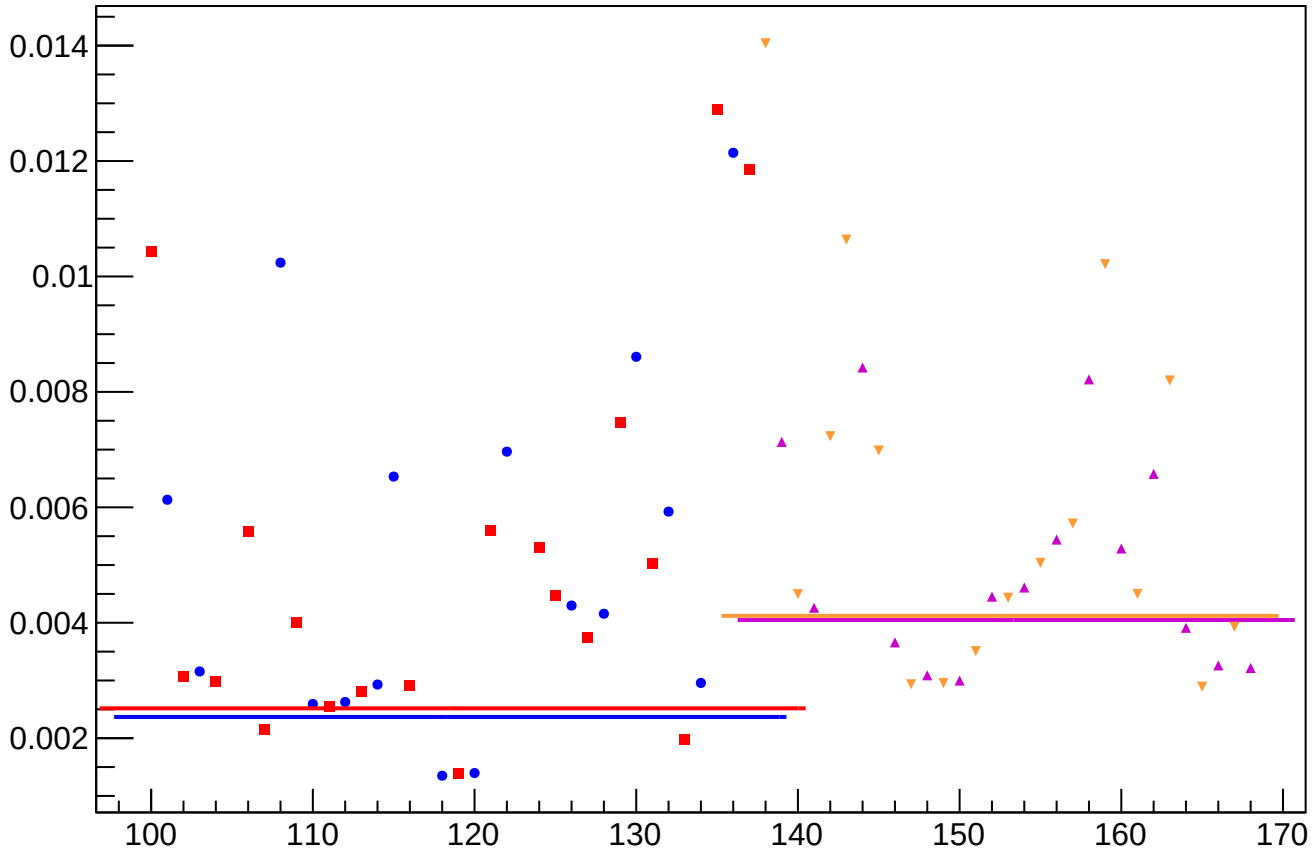
Left: -0.000+/-0.000 χ^2/NDF: 37.2/30

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:29.3/30

Out: 0.000+/-0.000 χ^2/NDF:45.4/34

All: 0.000+/-0.000 χ^2/NDF: 74.8/65



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3804204.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2099825.3/14

Left: 0.004+/-0.000 χ^2/NDF: 5907222.3/30

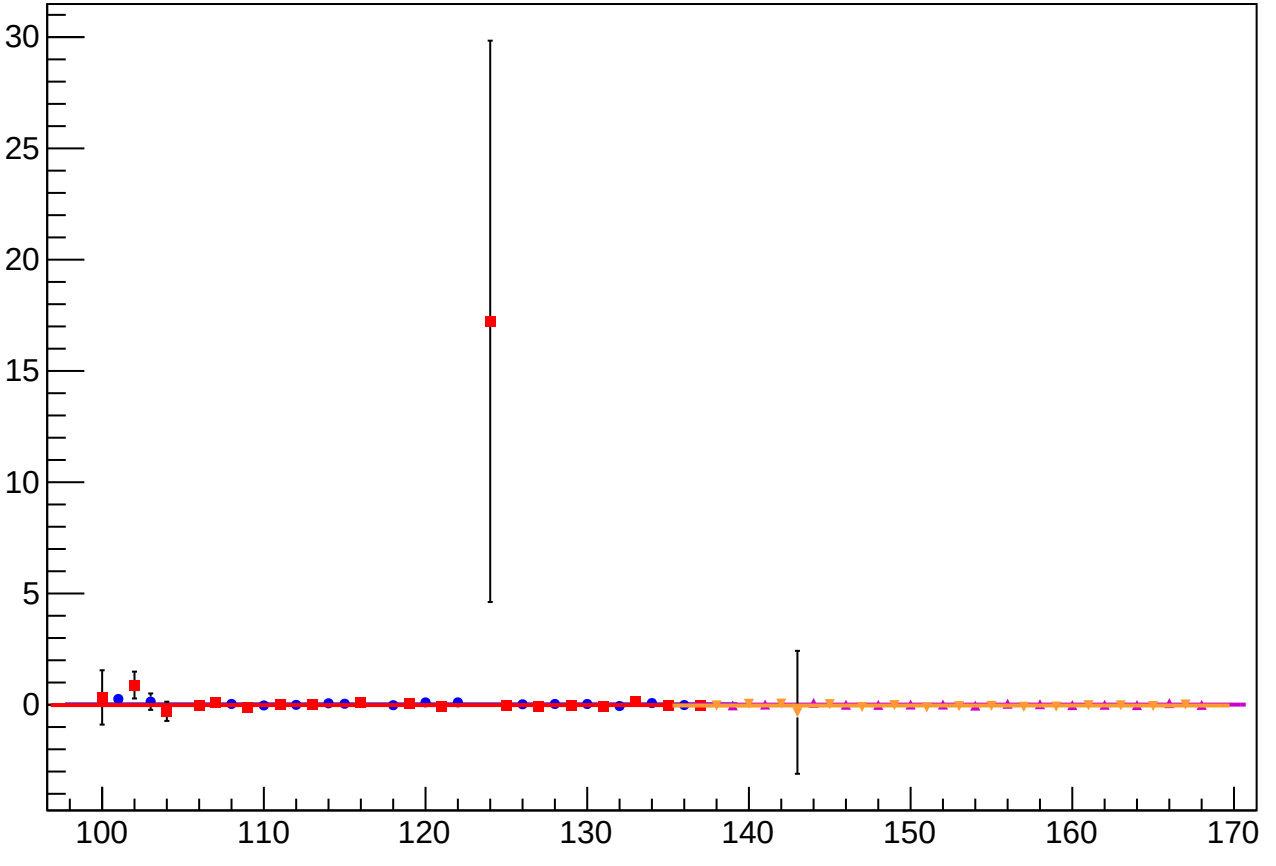
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8795440.1/30

Out: 0.003+/-0.000 χ^2/NDF:9062057.4/34

All: 0.003+/-0.000 χ^2/NDF: 17868639.3/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

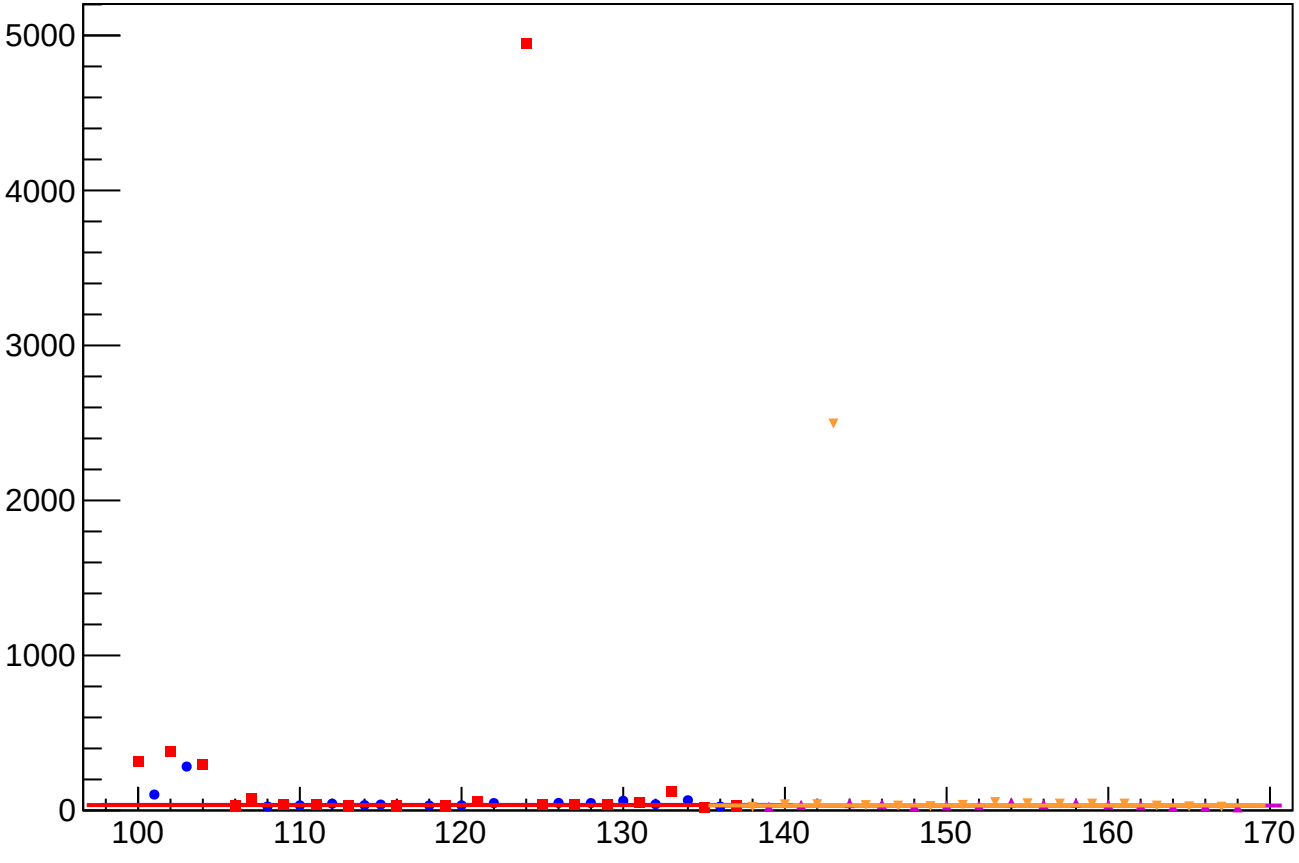
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

Left: 31.932+/-0.005 χ^2/NDF: 4510012.5/30

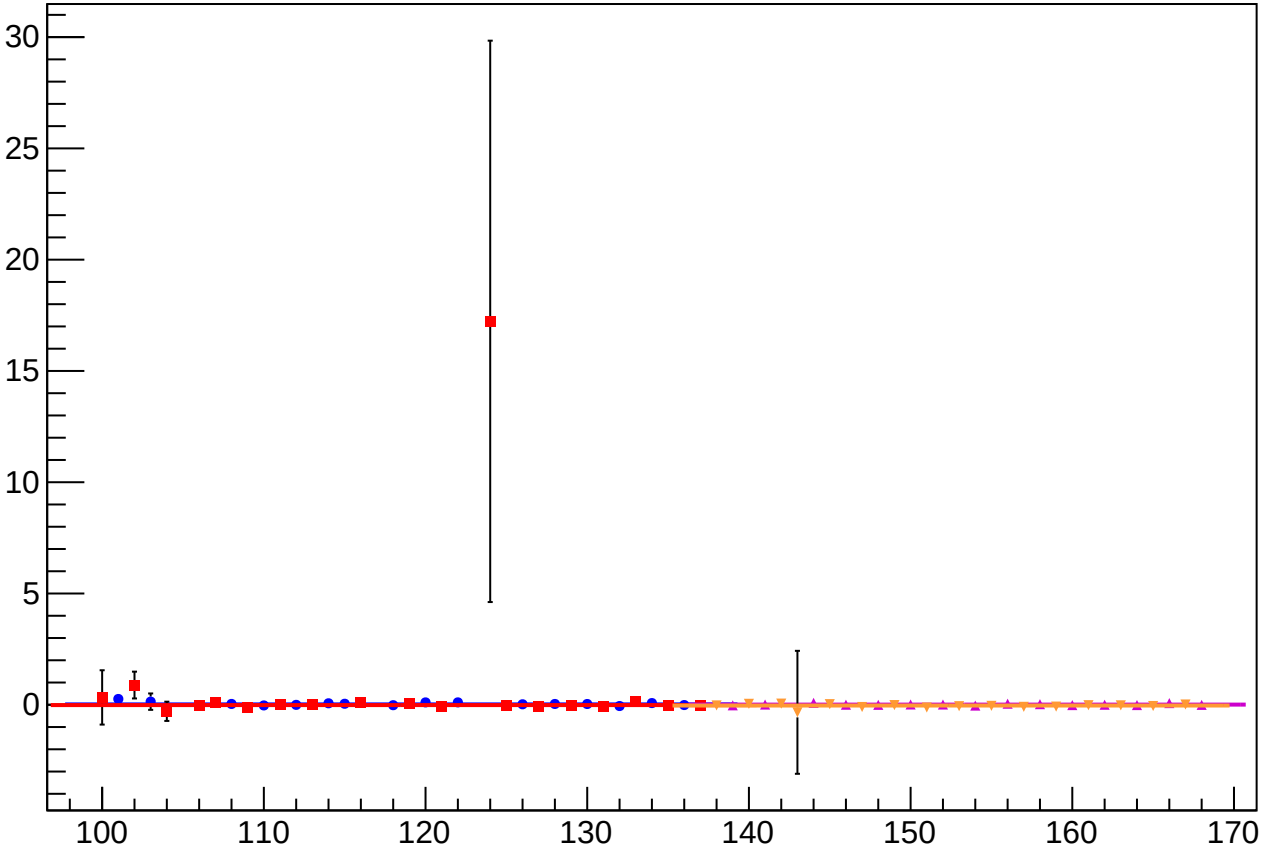
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.857+/-0.006 χ^2/NDF:3978633.2/30

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65

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: -0.034+/-0.010 χ^2/NDF:20.6/15

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.010 χ^2/NDF:8.8/14

Left: -0.012+/-0.007 χ^2/NDF: 37.7/30

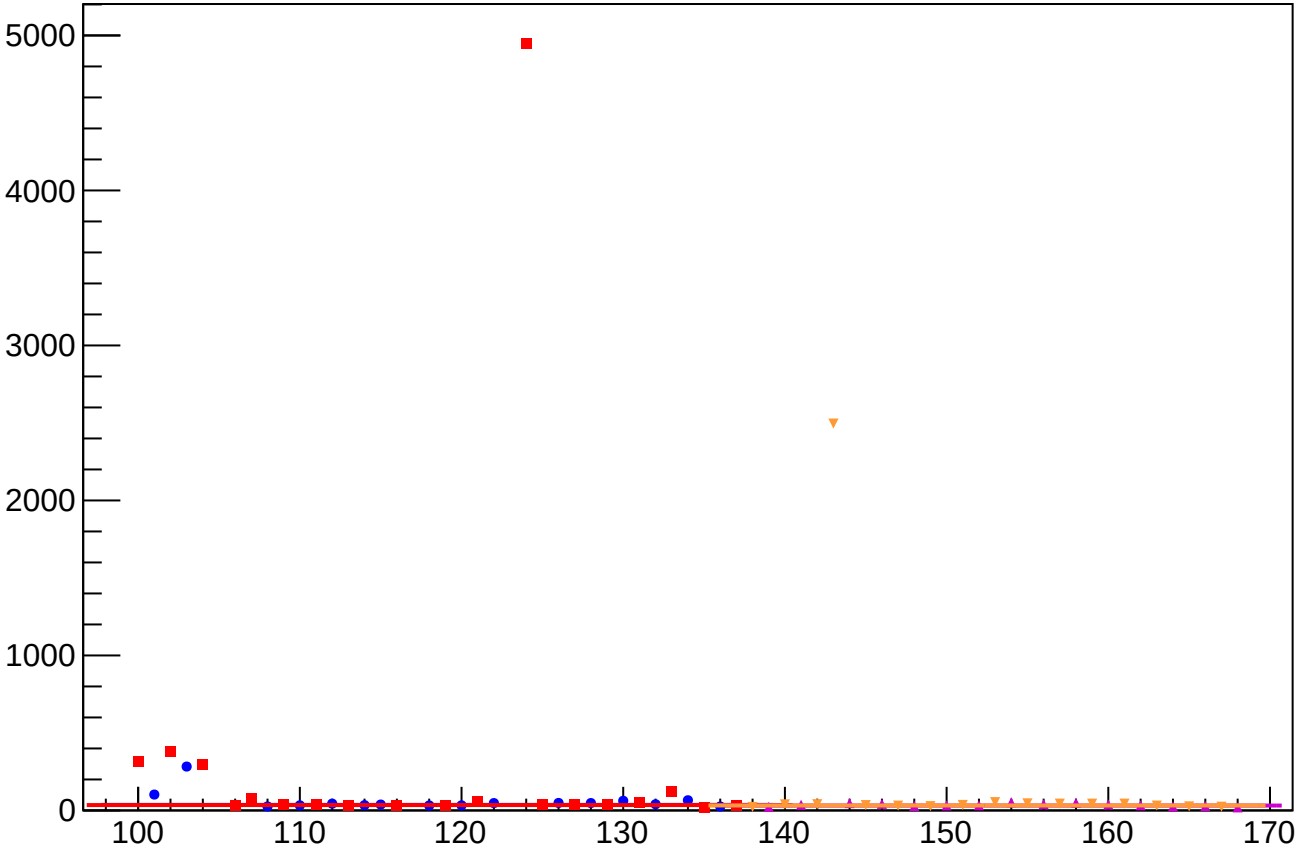
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.008 χ^2/NDF:20.5/30

Out: -0.028+/-0.009 χ^2/NDF:37.8/34

All: -0.008+/-0.006 χ^2/NDF: 68.3/65

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.241+/-0.007 χ^2/NDF:2891675.5/15

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.640+/-0.007 χ^2/NDF:1614844.4/14

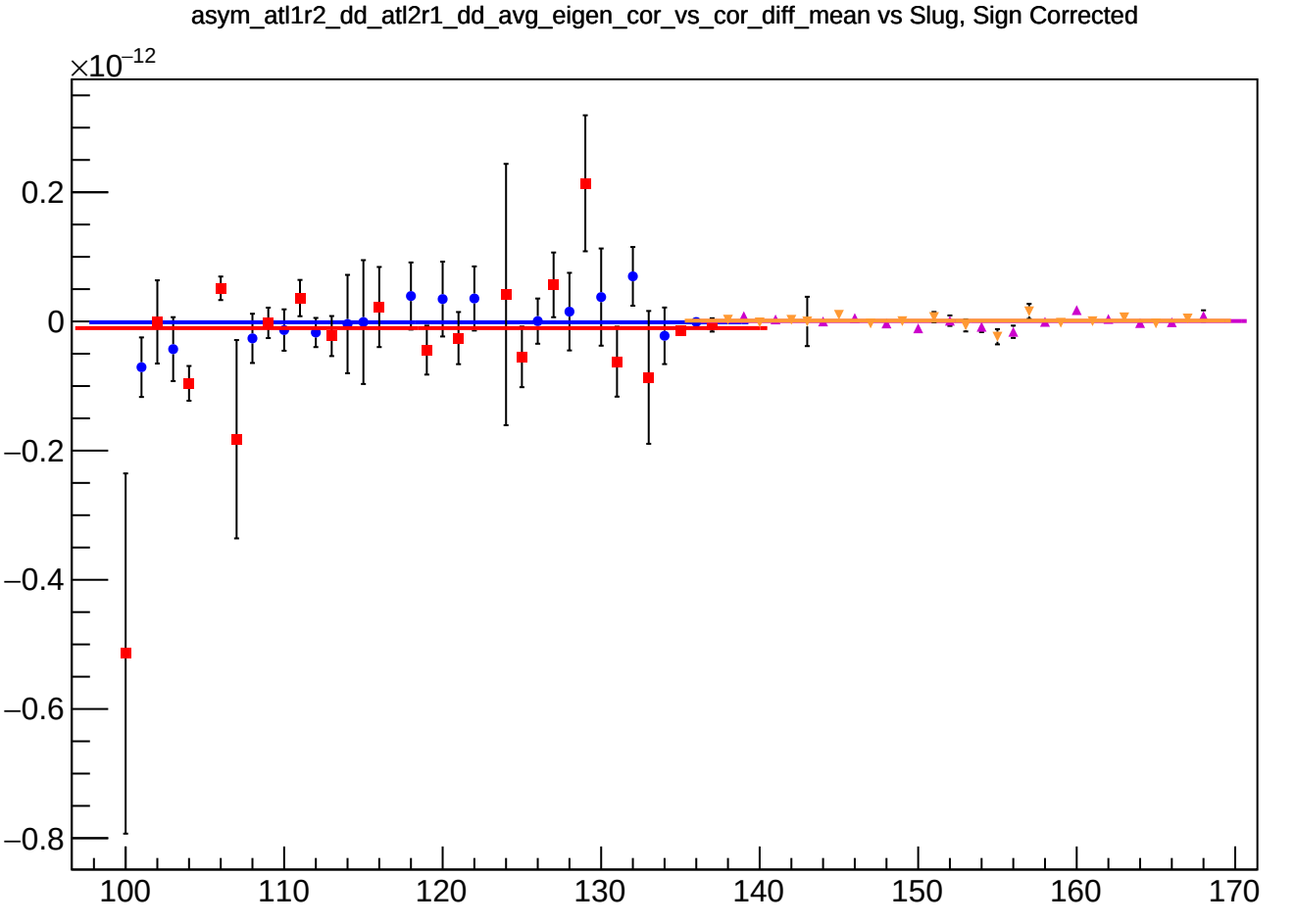
Left: 31.932+/-0.005 χ^2/NDF: 4510012.5/30

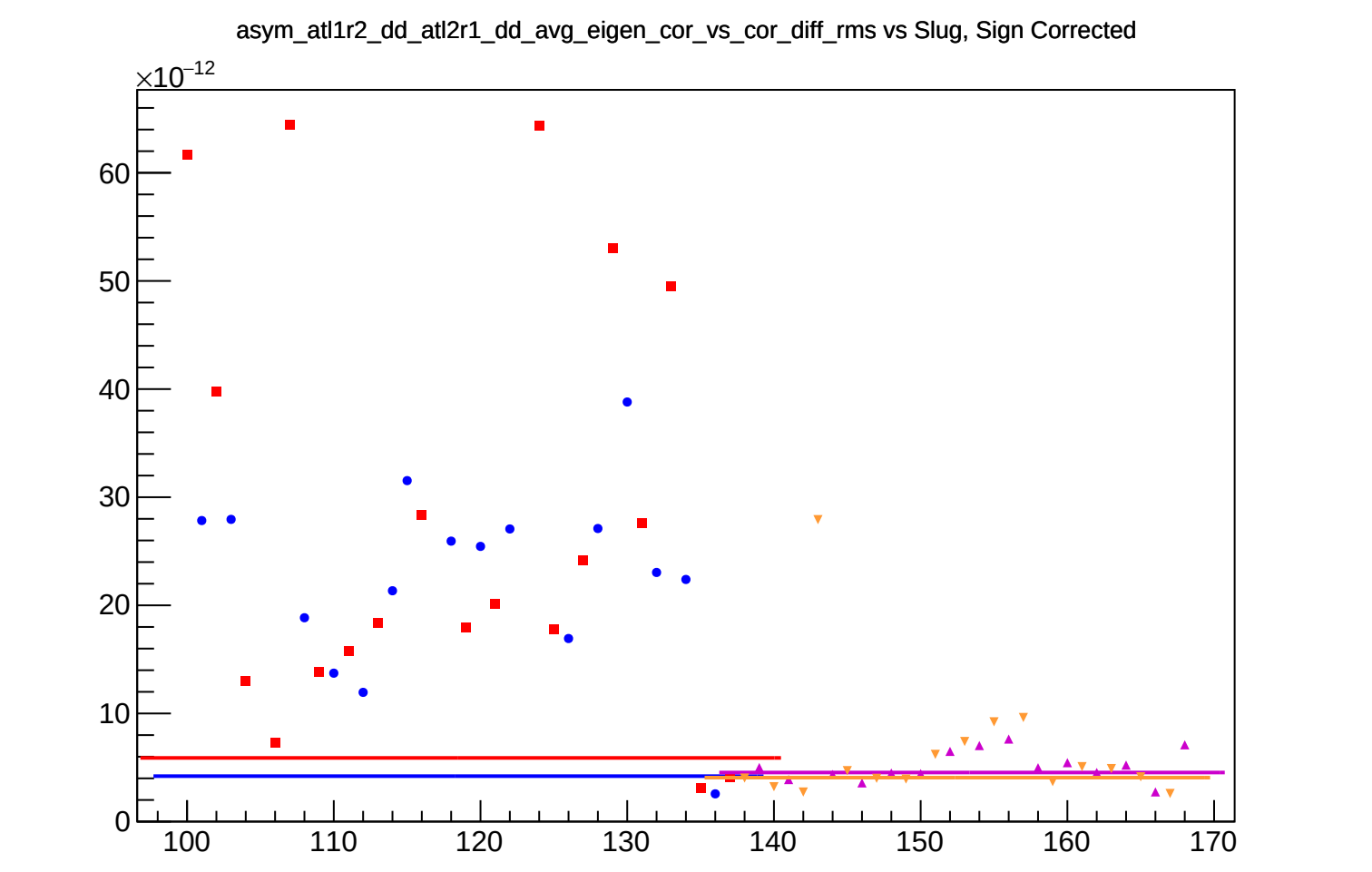
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.857+/-0.006 χ^2/NDF:3978633.2/30

Out: 33.016+/-0.006 χ^2/NDF:5842973.3/34

All: 32.935+/-0.004 χ^2/NDF: 9821956.4/65


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12.7/15
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/14
Left: 0.000+/-0.000 χ²/NDF: 31.1/30
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:27.2/30
Out: -0.000+/-0.000 χ²/NDF:59.3/34
All: 0.000+/-0.000 χ²/NDF: 86.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2657632.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1235675.0/14

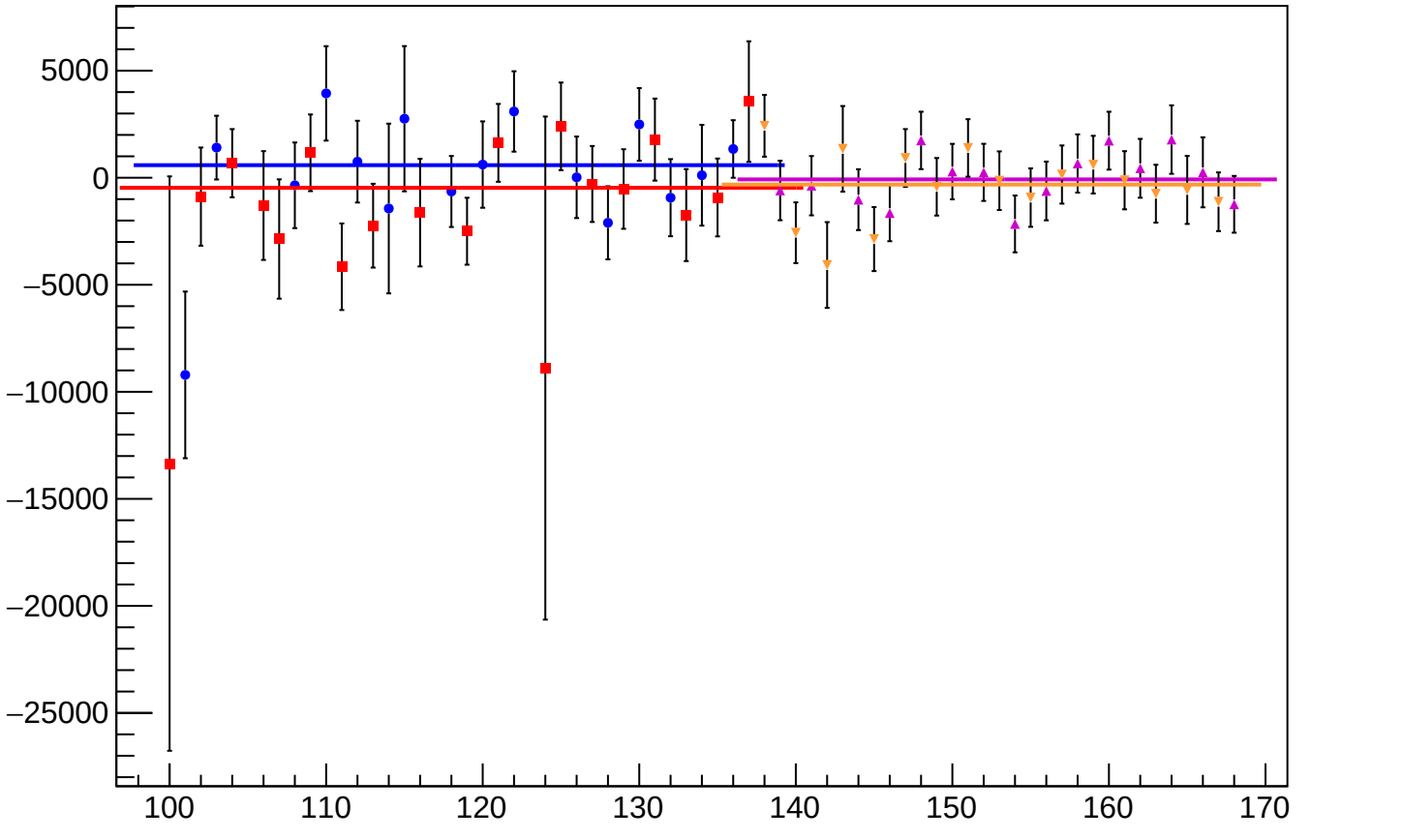
Left: 0.000+/-0.000 χ^2/NDF: 3989843.8/30

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6331816.4/30

Out: 0.000+/-0.000 χ^2/NDF:7857324.6/34

All: 0.000+/-0.000 χ^2/NDF: 14211647.3/65



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -319.454+/-358.993 χ^2/NDF:17.0/15

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -78.029+/-356.346 χ^2/NDF:11.0/14

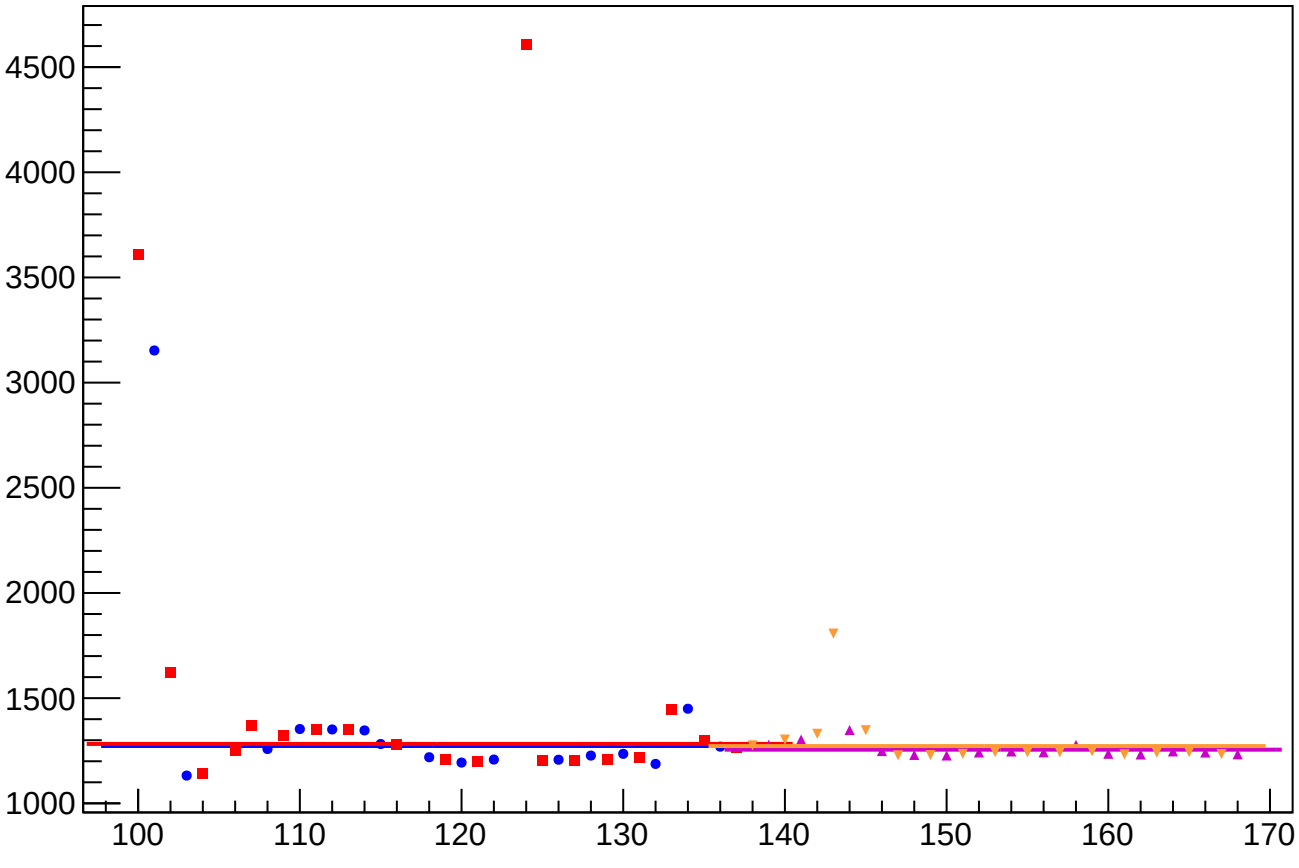
Left: -197.848+/-252.905 χ^2/NDF: 28.3/30

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 156.703+/-286.632 χ^2/NDF:29.3/30

Out: -373.028+/-287.594 χ^2/NDF:33.9/34

All: -107.275+/-203.019 χ^2/NDF: 65.0/65



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

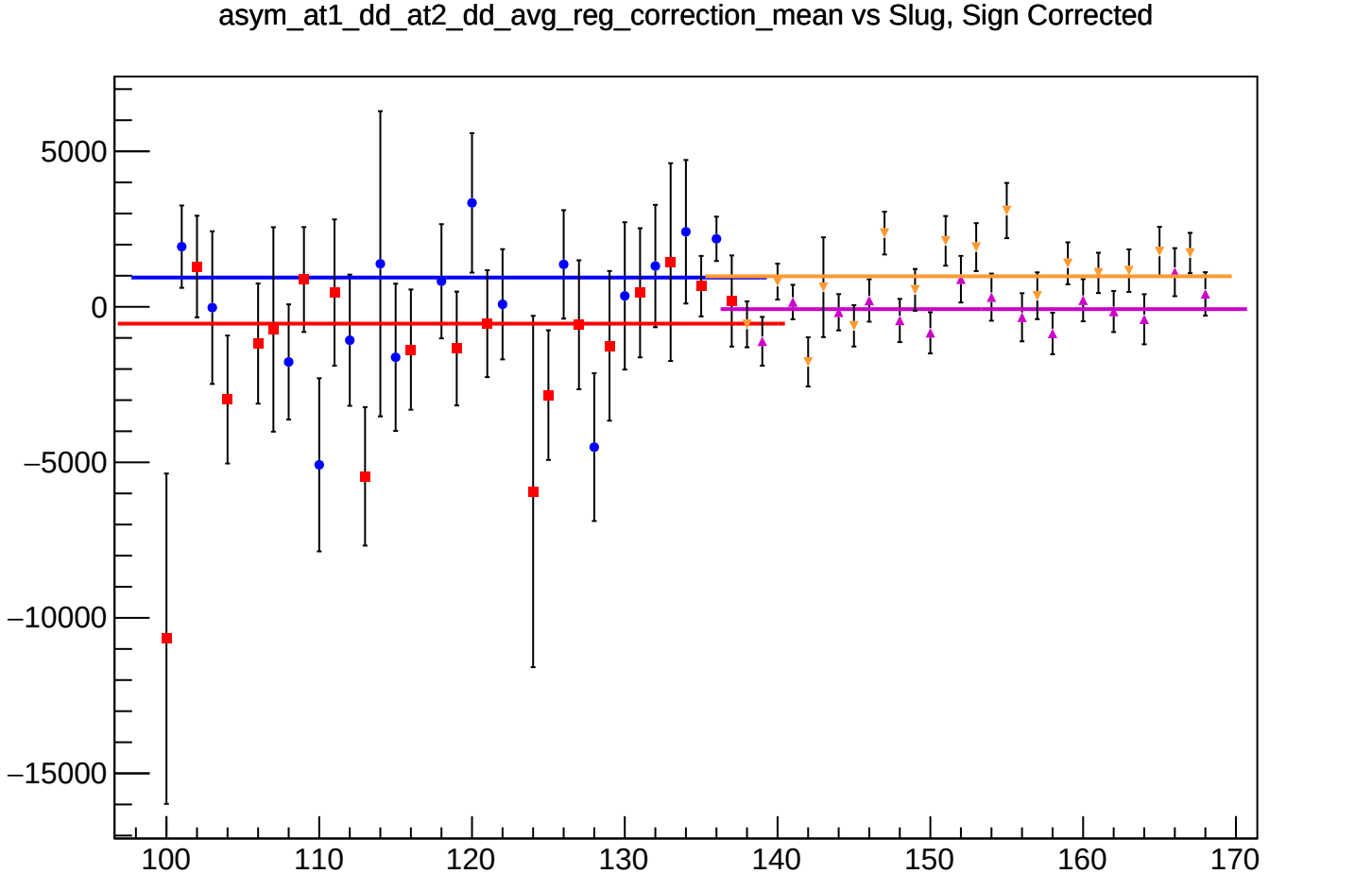
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

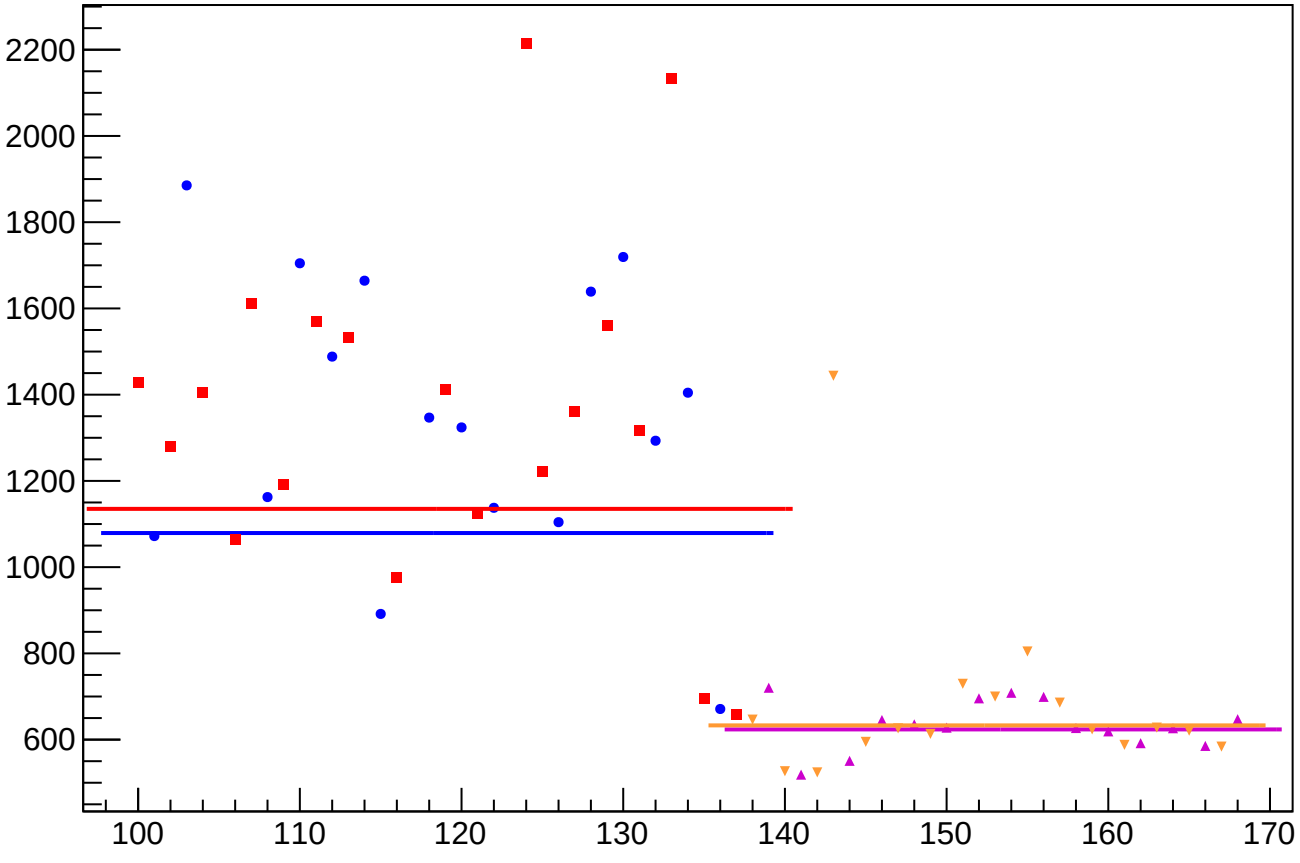
In: 1261.330+/-0.203 χ^2/NDF:537023.7/30

Out: 1275.787+/-0.203 χ^2/NDF:487346.5/34

All: 1268.534+/-0.144 χ^2/NDF: 1026905.6/65


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 981.981+/-181.441 χ²/NDF:39.5/15
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -73.375+/-178.152 χ²/NDF:10.3/14
Left: 444.650+/-127.119 χ²/NDF: 67.1/30
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 77.832+/-164.349 χ²/NDF:35.1/30
Out: 760.615+/-167.734 χ²/NDF:66.9/34
All: 412.265+/-117.391 χ²/NDF: 110.5/65

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: 633.035+/-0.128 χ^2/NDF:777339.8/15

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 623.649+/-0.126 χ^2/NDF:210798.9/14

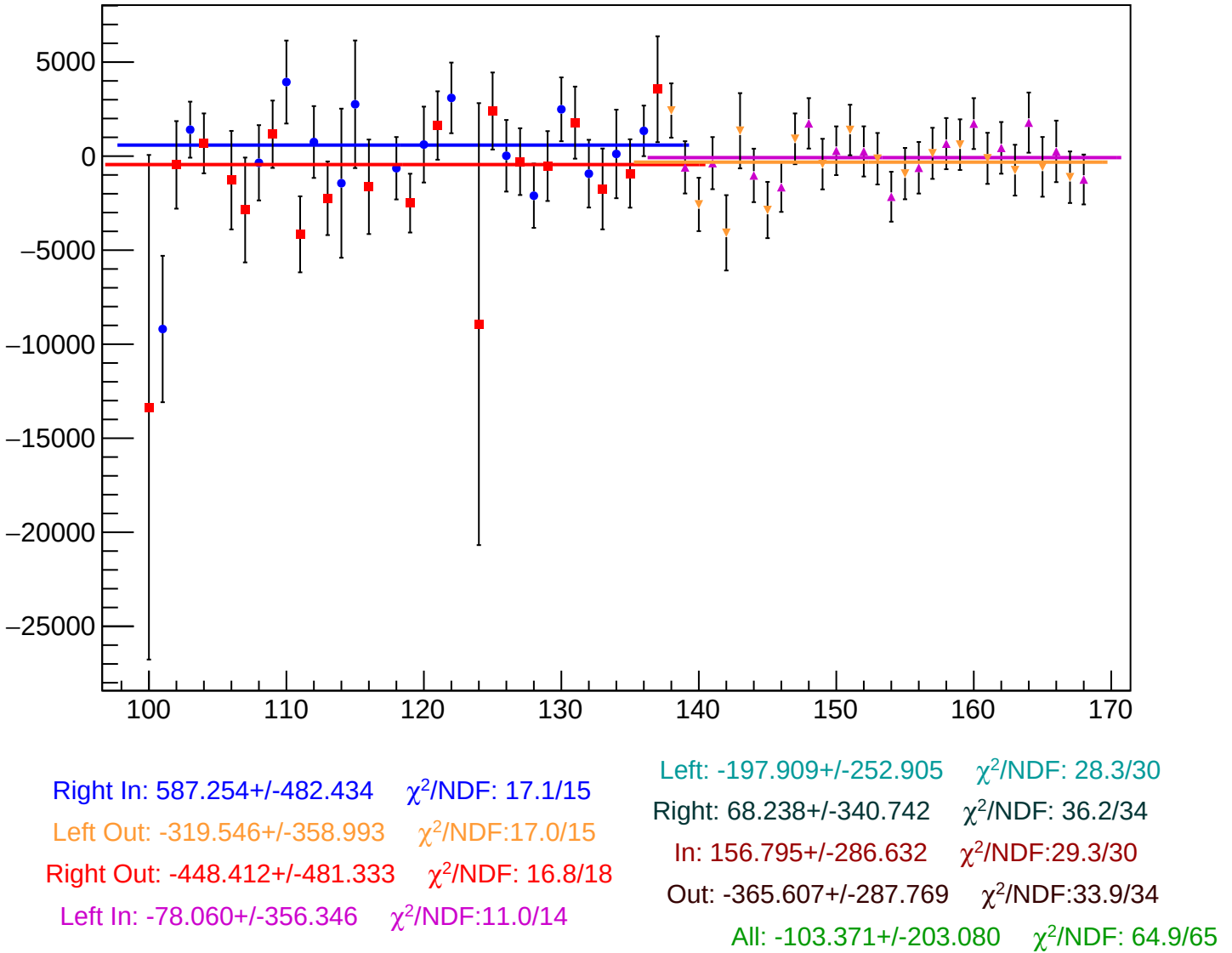
Left: 628.256+/-0.090 χ^2/NDF: 990863.6/30

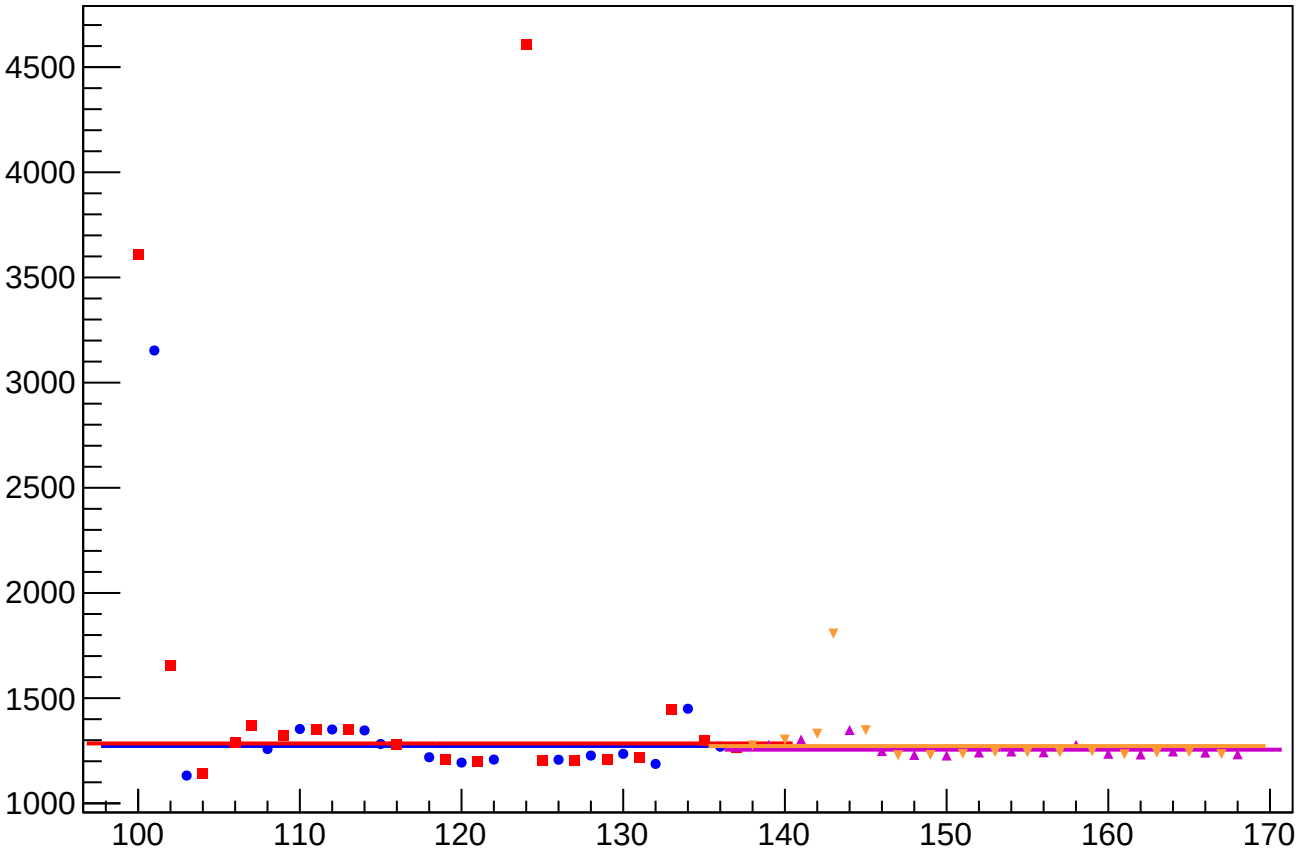
Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 691.492+/-0.116 χ^2/NDF:3640268.4/30

Out: 706.037+/-0.119 χ^2/NDF:4297359.8/34

All: 698.616+/-0.083 χ^2/NDF: 7945300.6/65


cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -319.546+/-358.993 χ²/NDF:17.0/15
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -78.060+/-356.346 χ²/NDF:11.0/14
Left: -197.909+/-252.905 χ²/NDF: 28.3/30
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 156.795+/-286.632 χ²/NDF:29.3/30
Out: -365.607+/-287.769 χ²/NDF:33.9/34
All: -103.371+/-203.080 χ²/NDF: 64.9/65



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

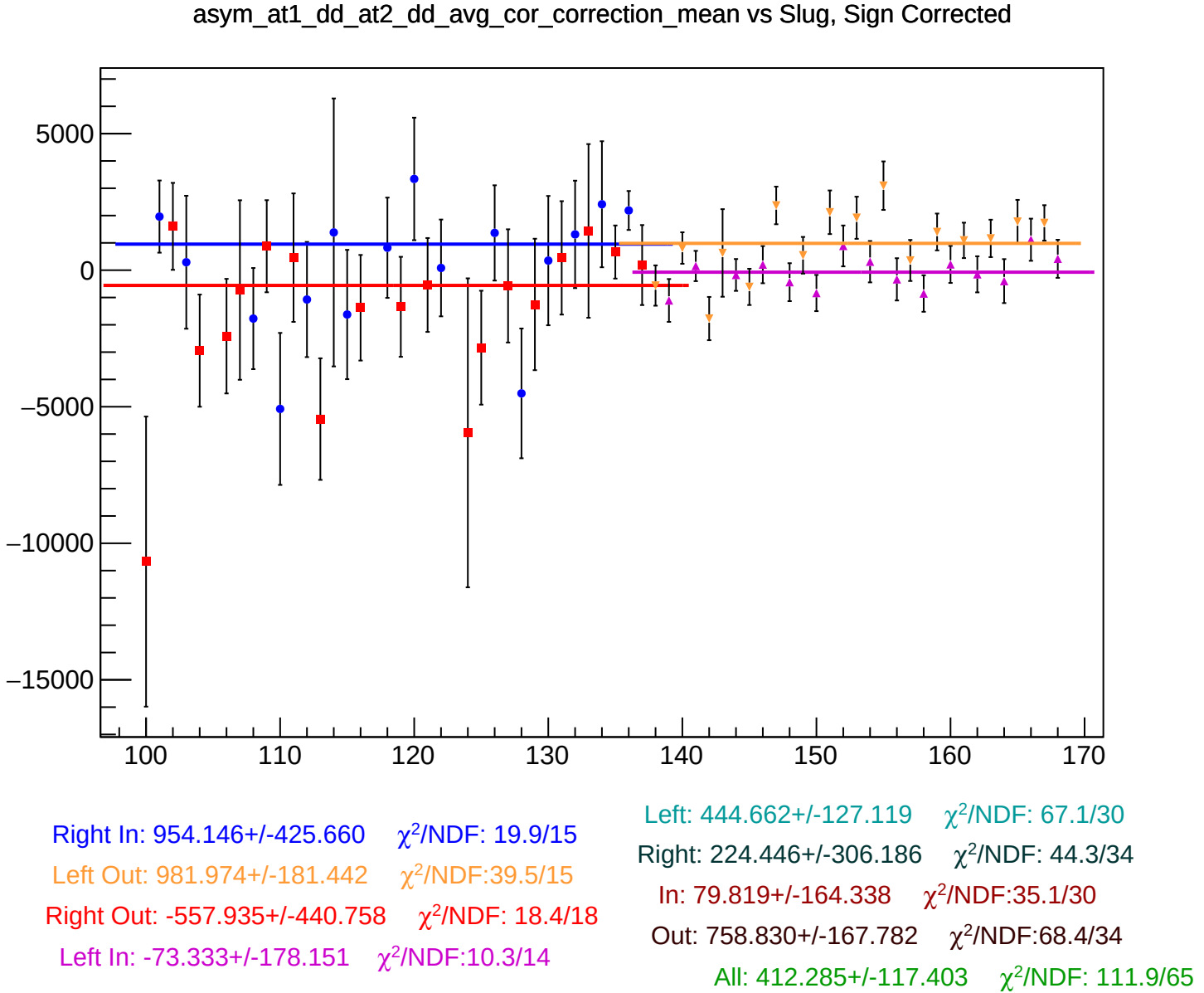
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

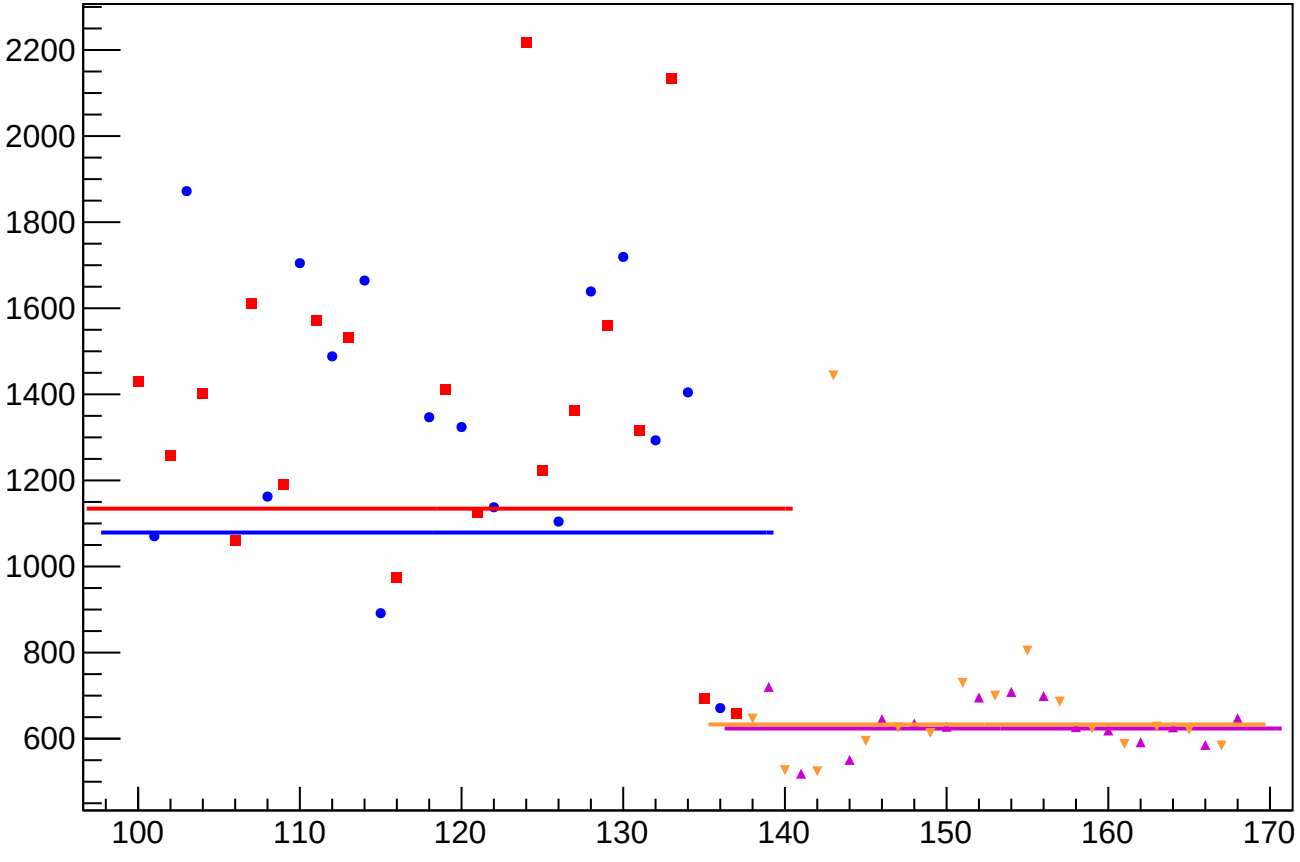
In: 1261.330+/-0.203 χ^2/NDF:537025.1/30

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 981.974+/-181.442 χ²/NDF:39.5/15
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -73.333+/-178.151 χ²/NDF:10.3/14
Left: 444.662+/-127.119 χ²/NDF: 67.1/30
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 79.819+/-164.338 χ²/NDF:35.1/30
Out: 758.830+/-167.782 χ²/NDF:68.4/34
All: 412.285+/-117.403 χ²/NDF: 111.9/65

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: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

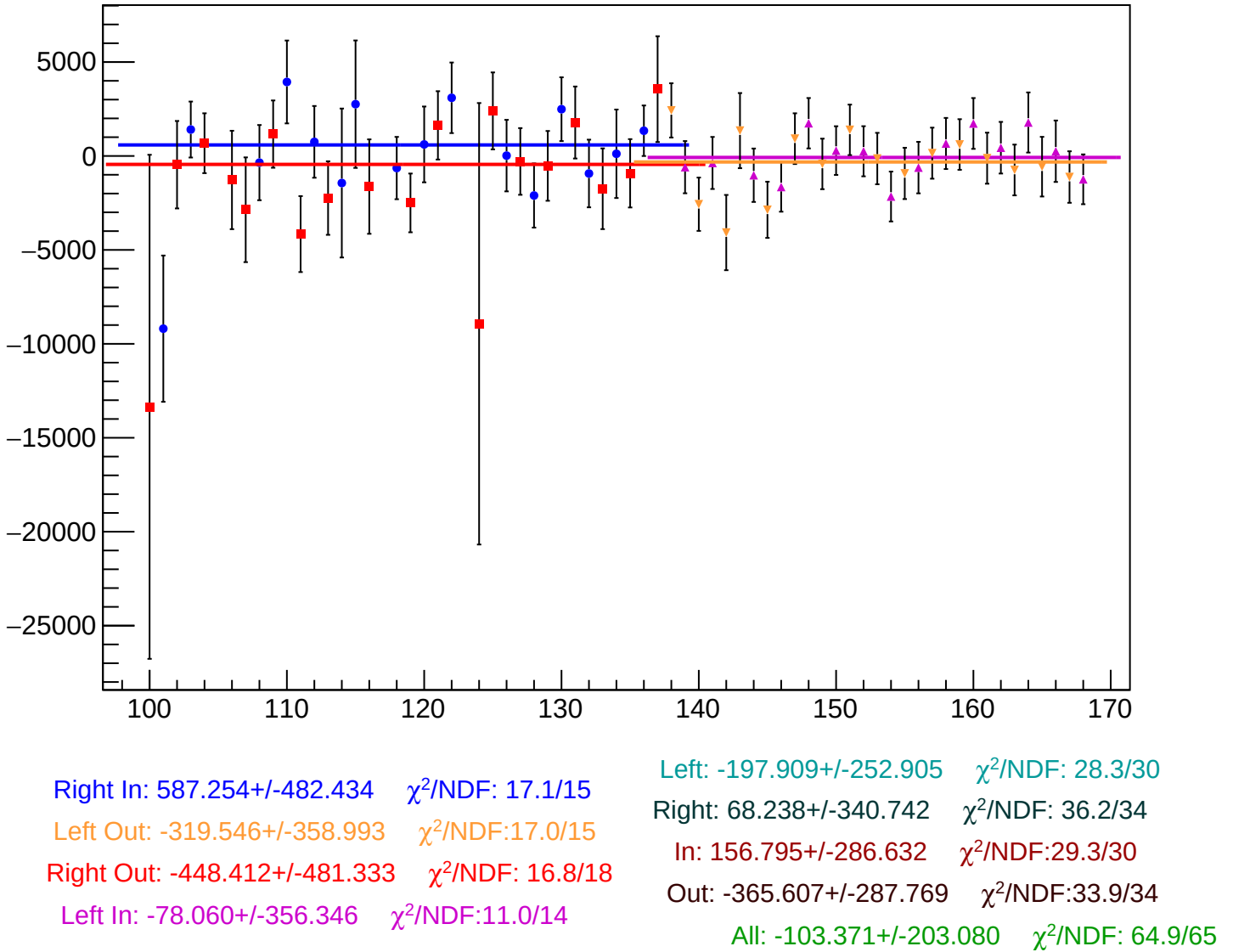
Left: 628.257+/-0.090 χ^2/NDF: 990803.2/30

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 691.509+/-0.116 χ^2/NDF:3636581.2/30

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
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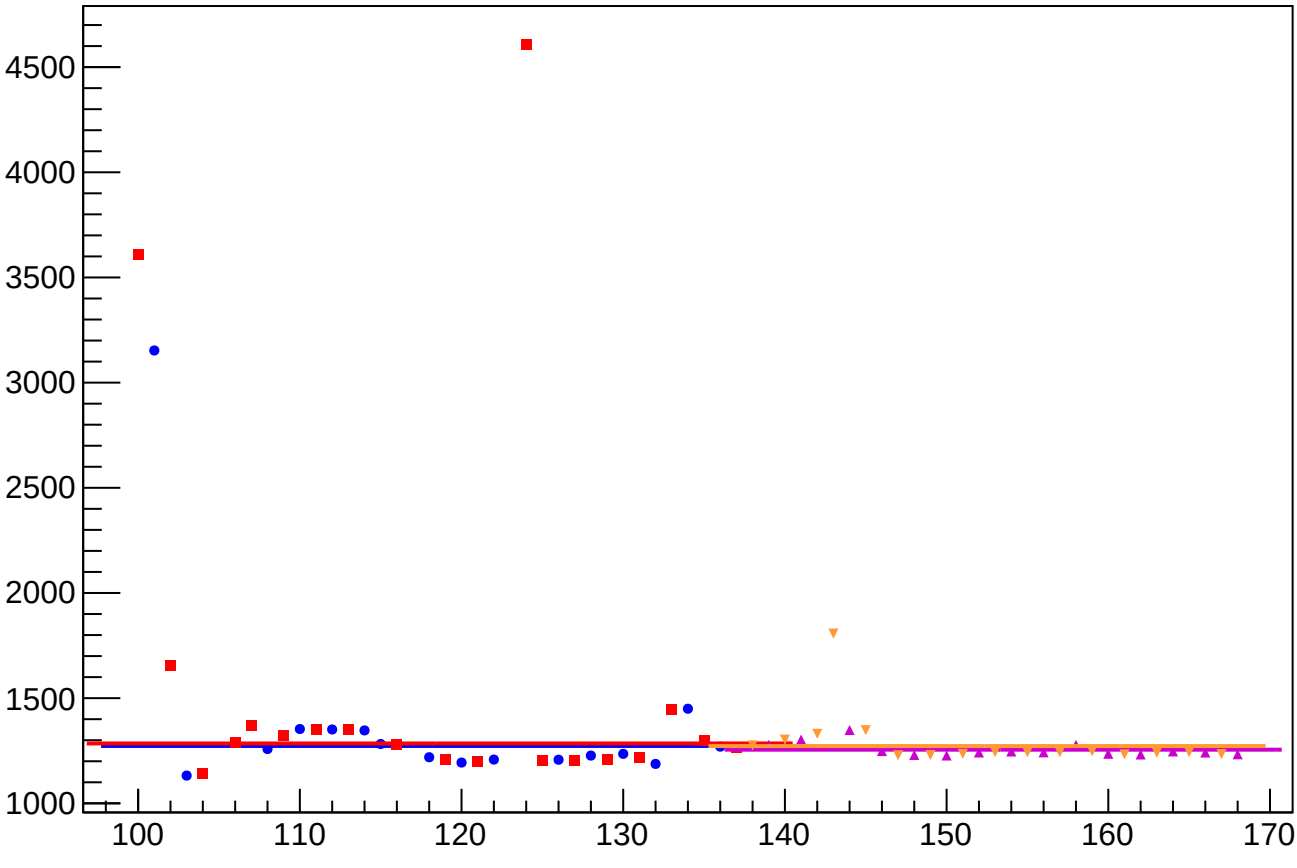
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -319.546+/-358.993 χ²/NDF:17.0/15
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -78.060+/-356.346 χ²/NDF:11.0/14
Left: -197.909+/-252.905 χ²/NDF: 28.3/30
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 156.795+/-286.632 χ²/NDF:29.3/30
Out: -365.607+/-287.769 χ²/NDF:33.9/34
All: -103.371+/-203.080 χ²/NDF: 64.9/65



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1272.115+/-0.254 χ^2/NDF:164683.8/15

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1255.069+/-0.252 χ^2/NDF:15976.9/14

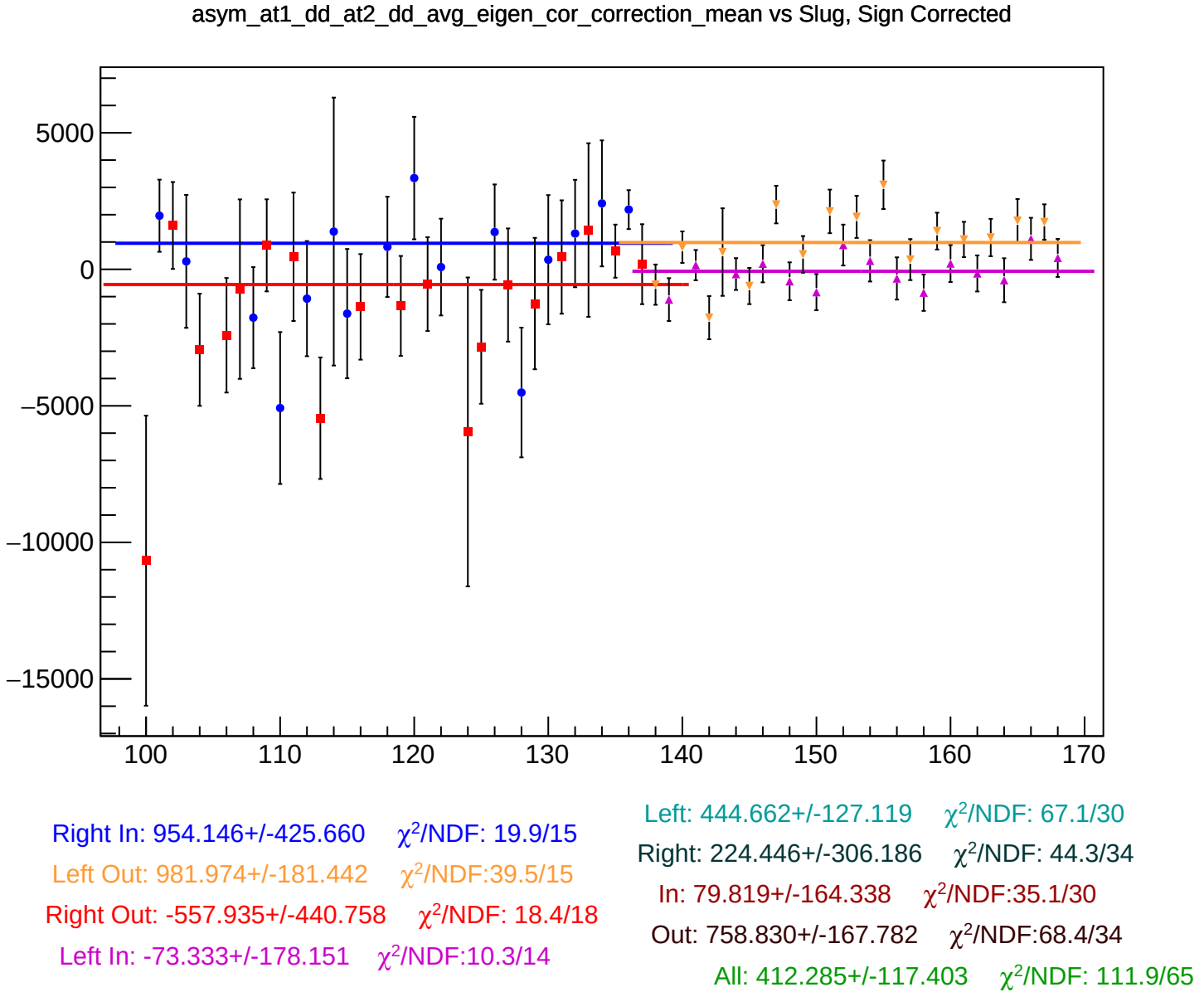
Left: 1263.529+/-0.179 χ^2/NDF: 182931.9/30

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1261.330+/-0.203 χ^2/NDF:537025.1/30

Out: 1276.597+/-0.203 χ^2/NDF:494290.9/34

All: 1268.933+/-0.144 χ^2/NDF: 1034141.9/65


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
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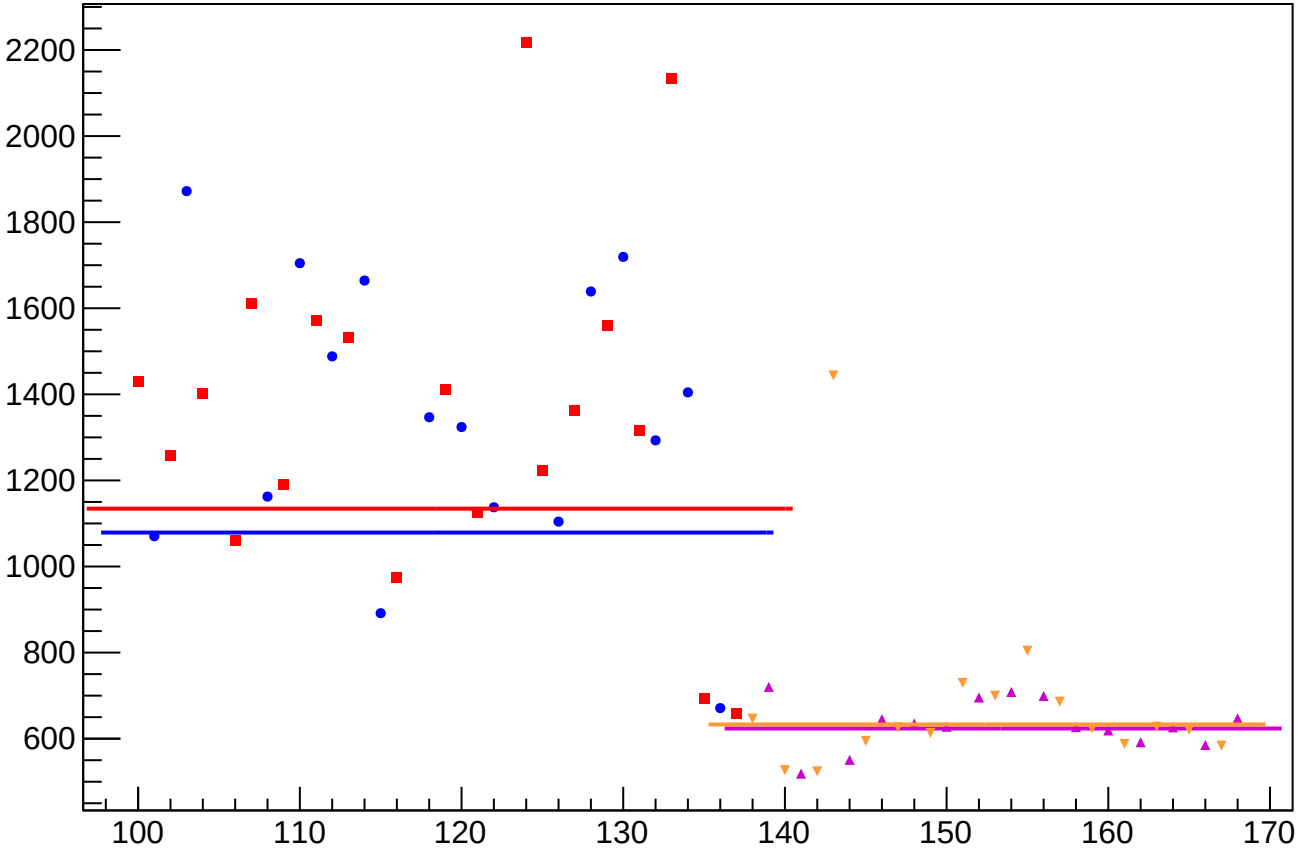
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 981.974+/-181.442 χ²/NDF:39.5/15
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -73.333+/-178.151 χ²/NDF:10.3/14
Left: 444.662+/-127.119 χ²/NDF: 67.1/30
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 79.819+/-164.338 χ²/NDF:35.1/30
Out: 758.830+/-167.782 χ²/NDF:68.4/34
All: 412.285+/-117.403 χ²/NDF: 111.9/65

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: 633.041+/-0.128 χ^2/NDF:777246.0/15

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 623.645+/-0.126 χ^2/NDF:210826.9/14

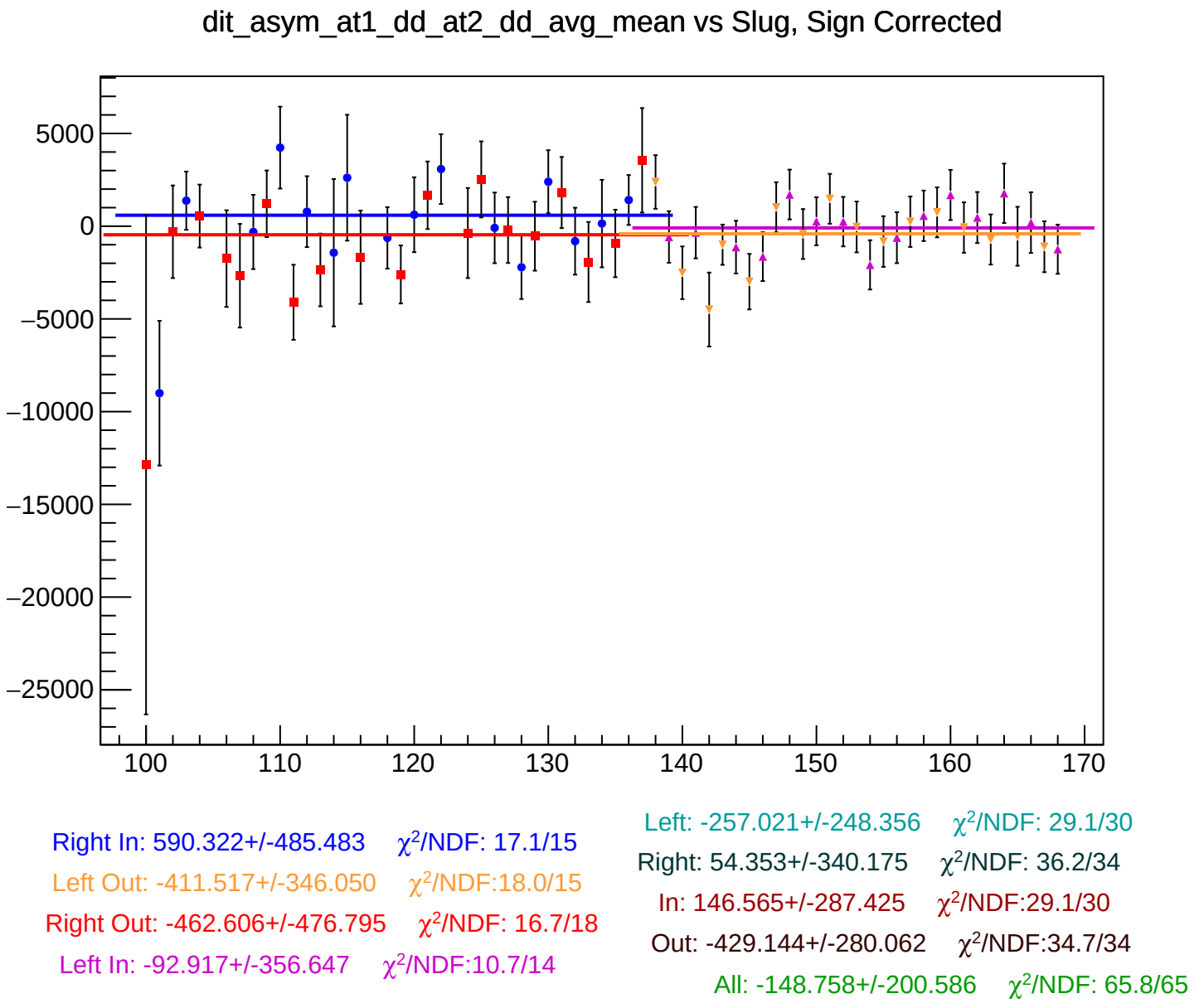
Left: 628.257+/-0.090 χ^2/NDF: 990803.2/30

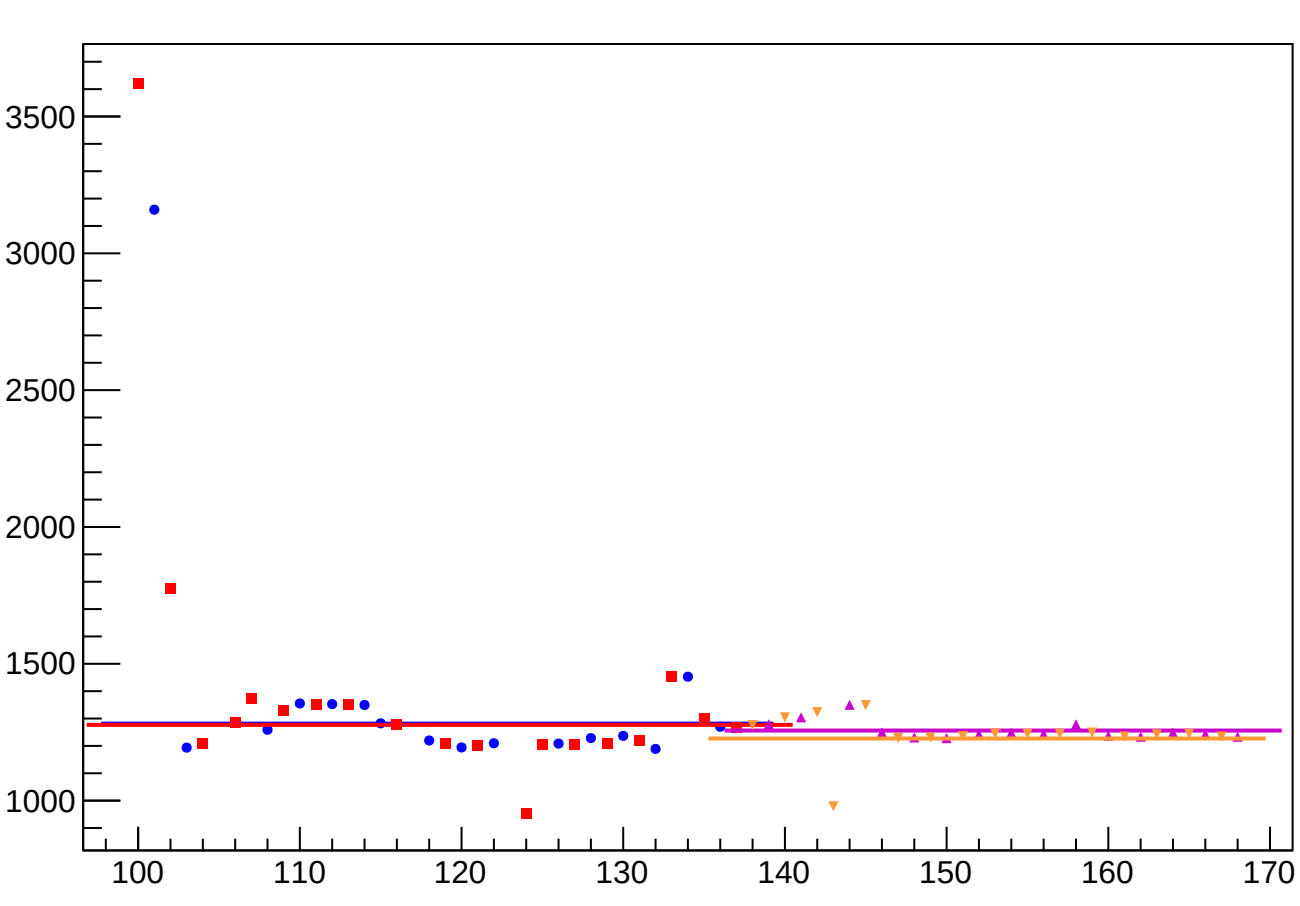
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 691.509+/-0.116 χ^2/NDF:3636581.2/30

Out: 705.695+/-0.119 χ^2/NDF:4279186.2/34

All: 698.455+/-0.083 χ^2/NDF: 7923064.9/65


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.517+/-346.050 χ²/NDF:18.0/15
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -92.917+/-356.647 χ²/NDF:10.7/14
Left: -257.021+/-248.356 χ²/NDF: 29.1/30
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 146.565+/-287.425 χ²/NDF:29.1/30
Out: -429.144+/-280.062 χ²/NDF:34.7/34
All: -148.758+/-200.586 χ²/NDF: 65.8/65



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.988+/-0.245 χ^2/NDF:132788.9/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

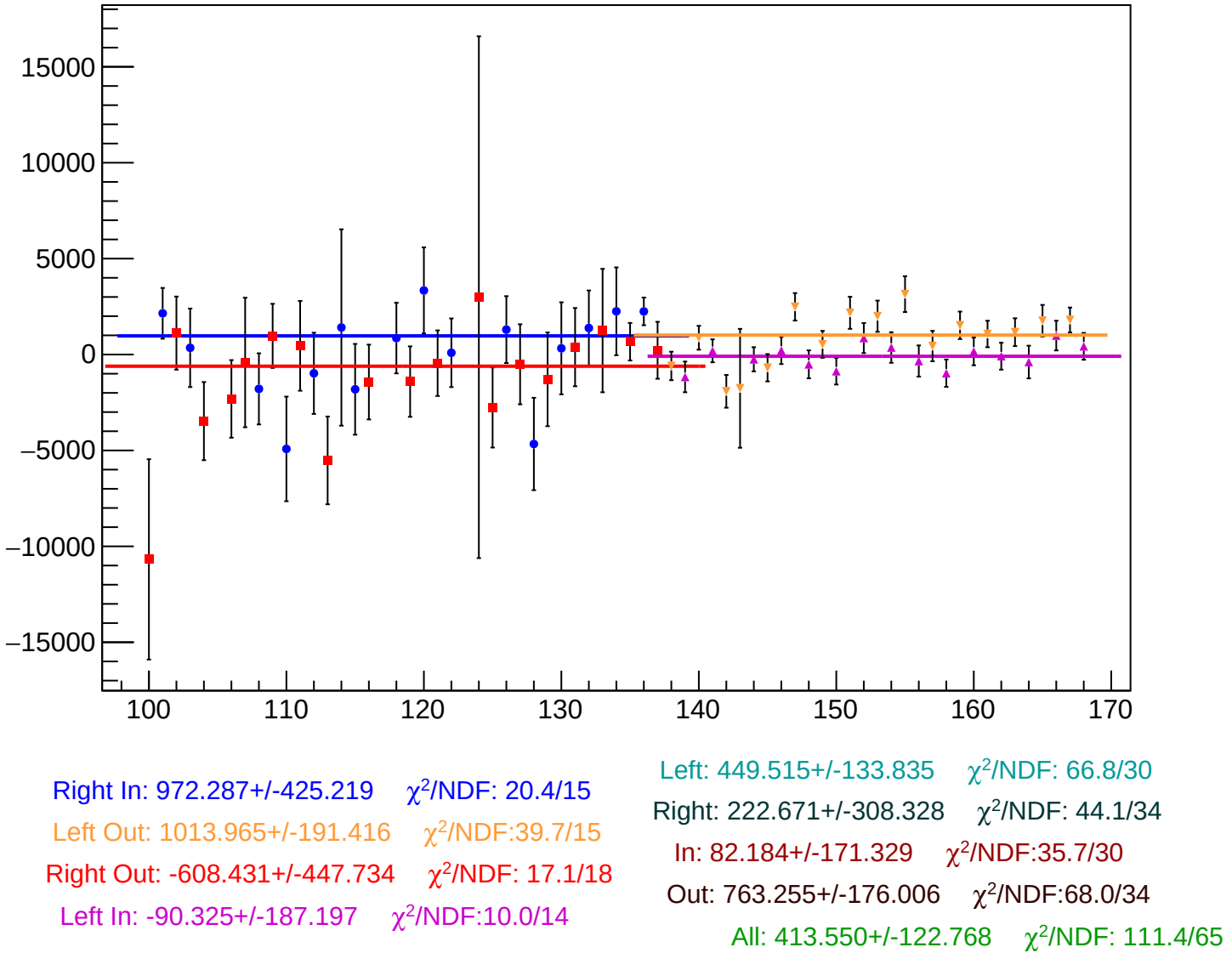
Left: 1241.117+/-0.176 χ^2/NDF: 155761.1/30

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

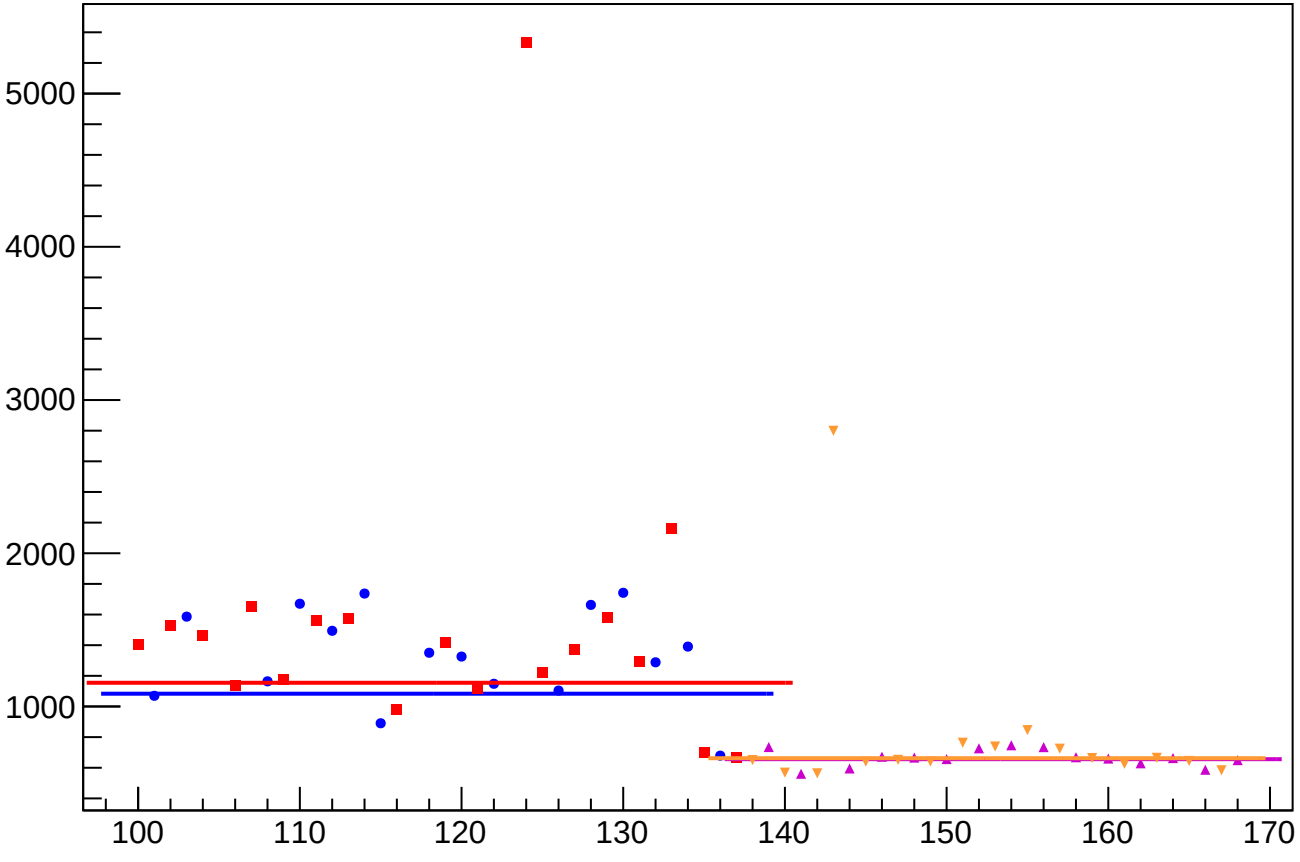
In: 1264.973+/-0.203 χ^2/NDF:526687.5/30

Out: 1244.195+/-0.198 χ^2/NDF:367634.5/34

All: 1254.315+/-0.142 χ^2/NDF: 899683.3/65


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 1013.965+/-191.416 χ²/NDF:39.7/15
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -90.325+/-187.197 χ²/NDF:10.0/14
Left: 449.515+/-133.835 χ²/NDF: 66.8/30
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 82.184+/-171.329 χ²/NDF:35.7/30
Out: 763.255+/-176.006 χ²/NDF:68.0/34
All: 413.550+/-122.768 χ²/NDF: 111.4/65

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: 662.334+/-0.135 χ^2/NDF:1200765.2/15

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 656.018+/-0.132 χ^2/NDF:170758.2/14

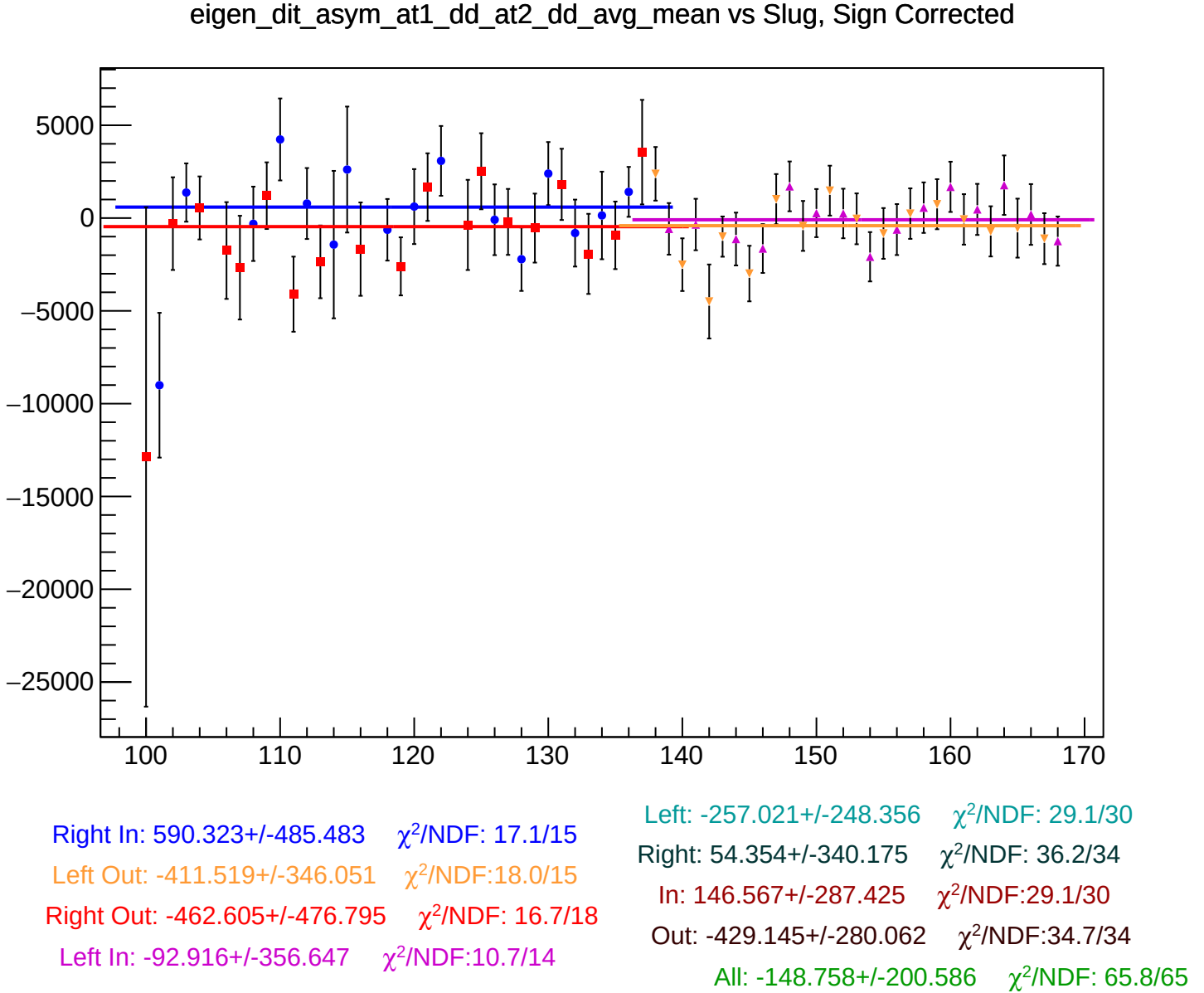
Left: 659.106+/-0.095 χ^2/NDF: 1372636.7/30

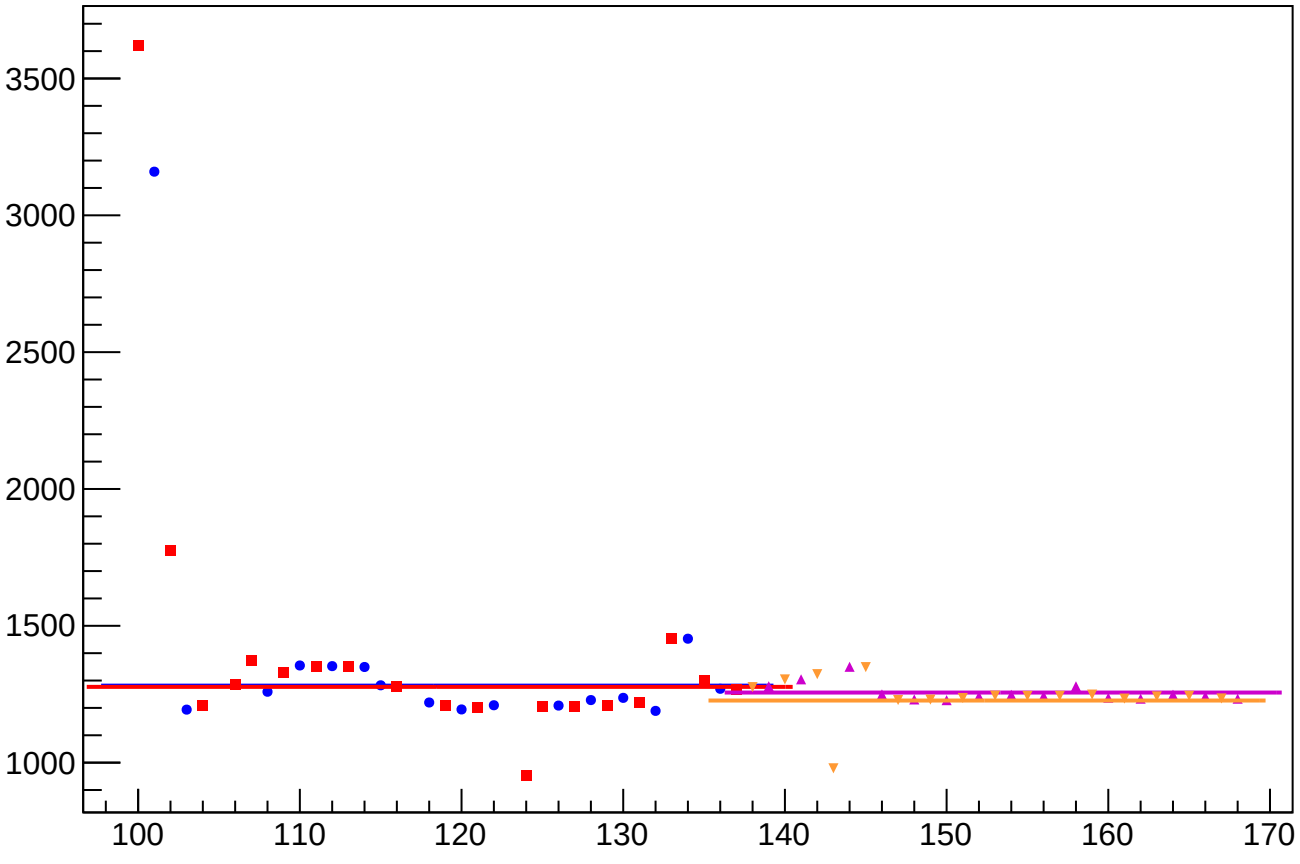
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 725.390+/-0.121 χ^2/NDF:3222797.7/30

Out: 738.424+/-0.124 χ^2/NDF:4734130.4/34

All: 731.731+/-0.087 χ^2/NDF: 7962559.3/65


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -411.519+/-346.051 χ²/NDF:18.0/15
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -92.916+/-356.647 χ²/NDF:10.7/14
Left: -257.021+/-248.356 χ²/NDF: 29.1/30
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 146.567+/-287.425 χ²/NDF:29.1/30
Out: -429.145+/-280.062 χ²/NDF:34.7/34
All: -148.758+/-200.586 χ²/NDF: 65.8/65



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.989+/-0.245 χ^2/NDF:132788.2/15

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1256.125+/-0.252 χ^2/NDF:16096.9/14

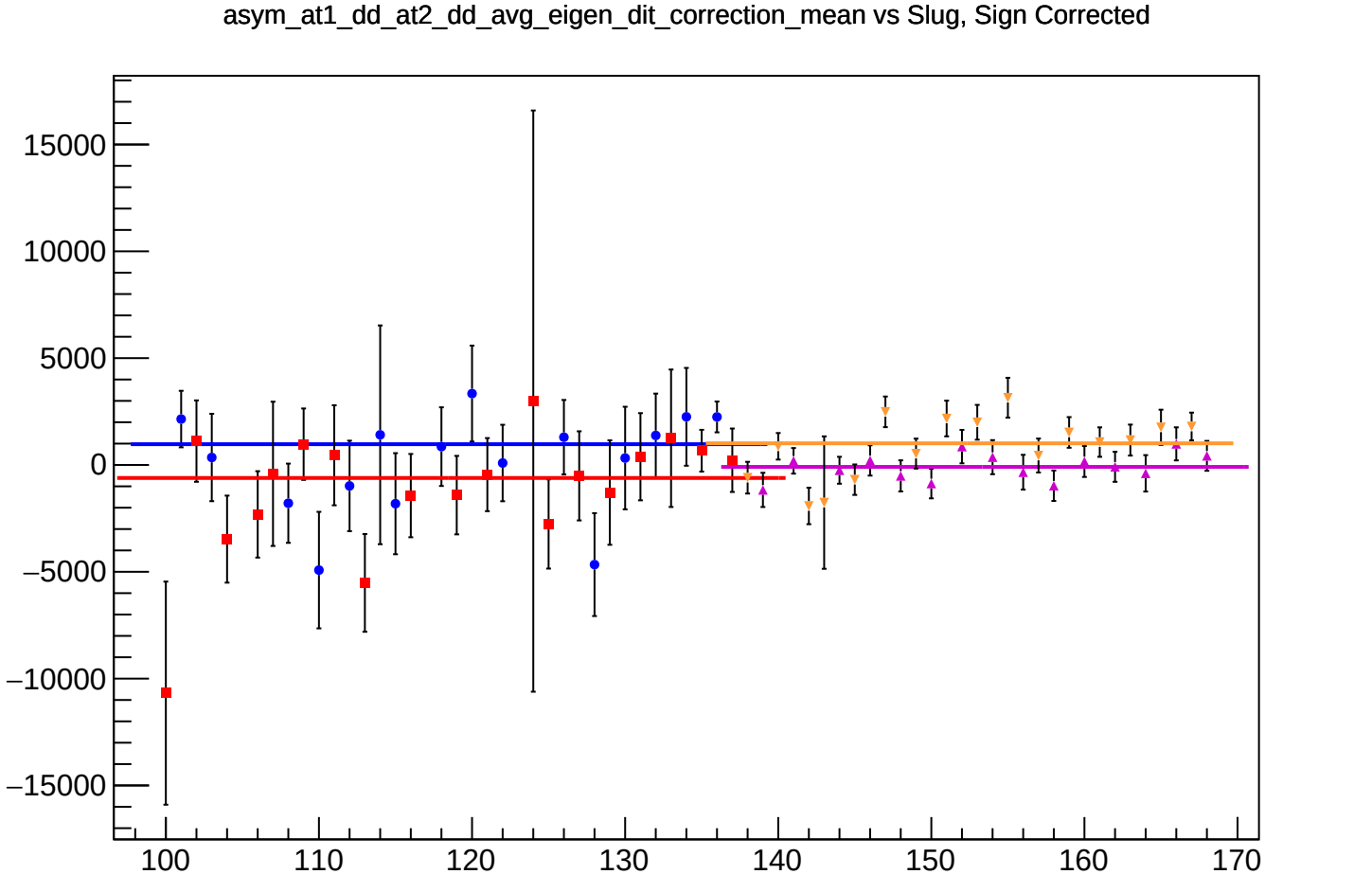
Left: 1241.117+/-0.176 χ^2/NDF: 155760.3/30

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1264.973+/-0.203 χ^2/NDF:526687.6/30

Out: 1244.195+/-0.198 χ^2/NDF:367633.5/34

All: 1254.315+/-0.142 χ^2/NDF: 899682.4/65



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 1013.967+/-191.416 χ^2/NDF:39.7/15

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -90.323+/-187.197 χ^2/NDF:10.0/14

Left: 449.516+/-133.835 χ^2/NDF: 66.8/30

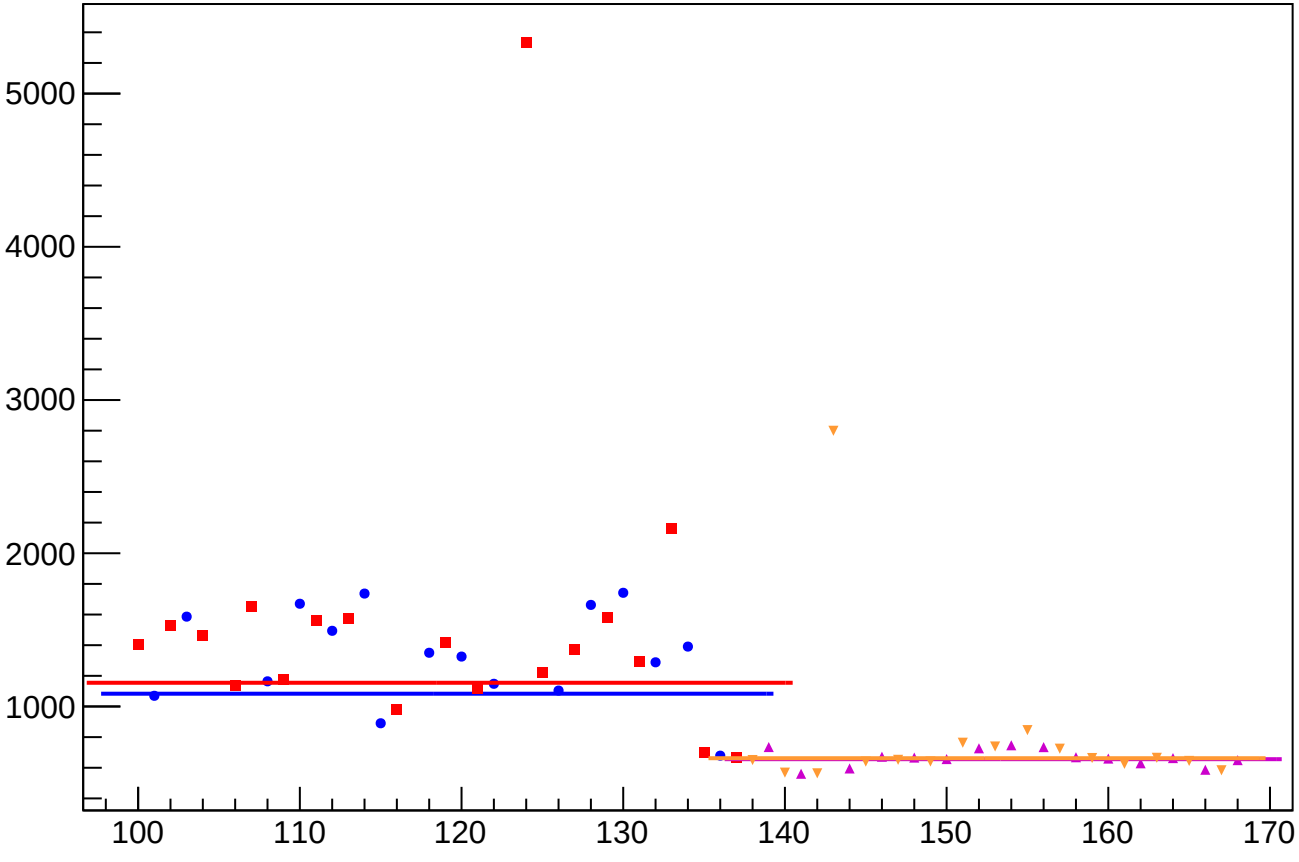
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 82.183+/-171.329 χ^2/NDF:35.7/30

Out: 763.257+/-176.006 χ^2/NDF:68.0/34

All: 413.551+/-122.768 χ^2/NDF: 111.4/65

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: 662.335+/-0.135 χ^2/NDF:1200760.3/15

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 656.017+/-0.132 χ^2/NDF:170761.7/14

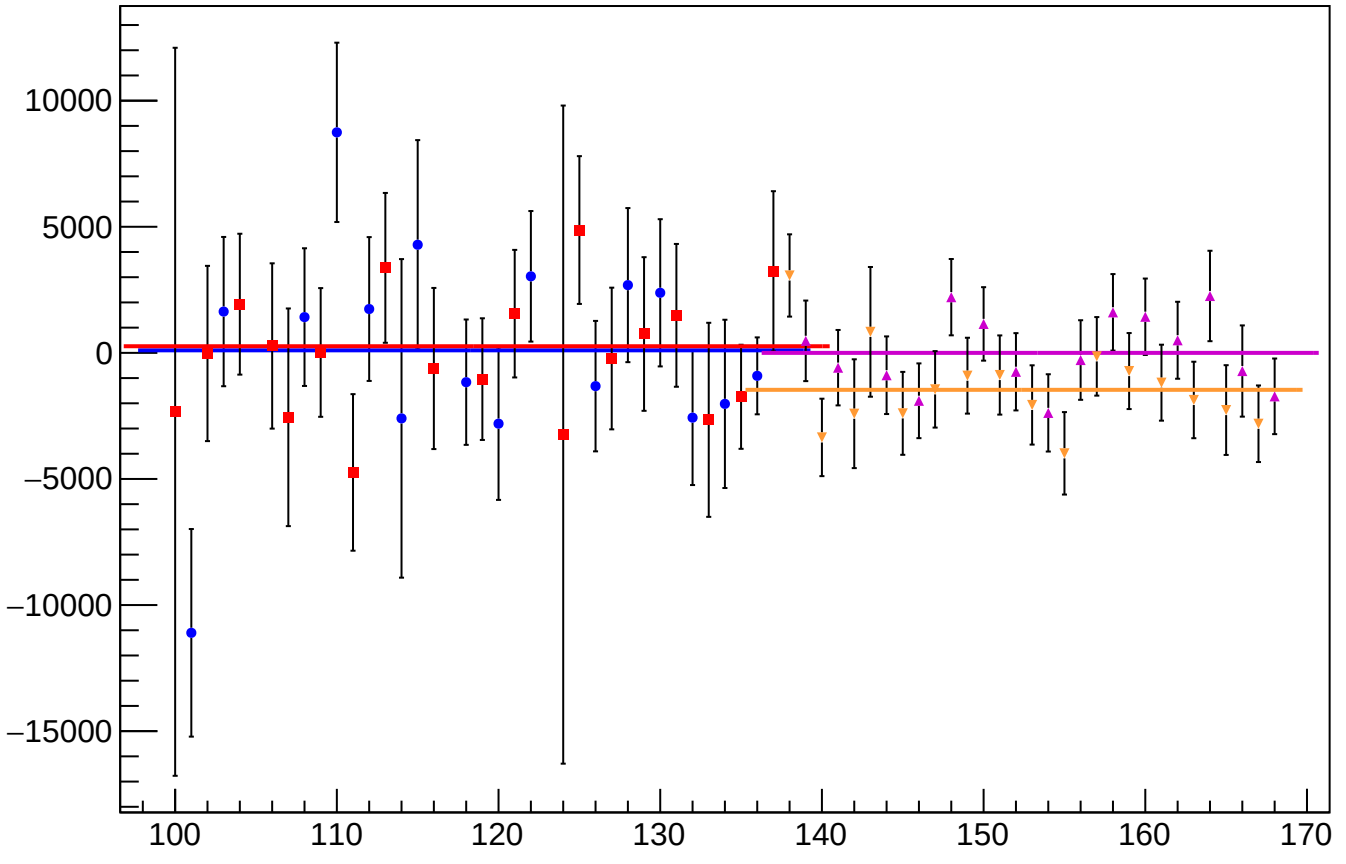
Left: 659.105+/-0.095 χ^2/NDF: 1372635.5/30

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 725.390+/-0.121 χ^2/NDF:3222788.4/30

Out: 738.425+/-0.124 χ^2/NDF:4734114.7/34

All: 731.732+/-0.087 χ^2/NDF: 7962535.2/65



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1465.663+/-405.730 χ^2/NDF:15.4/15

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -0.519+/-400.350 χ^2/NDF:12.8/14

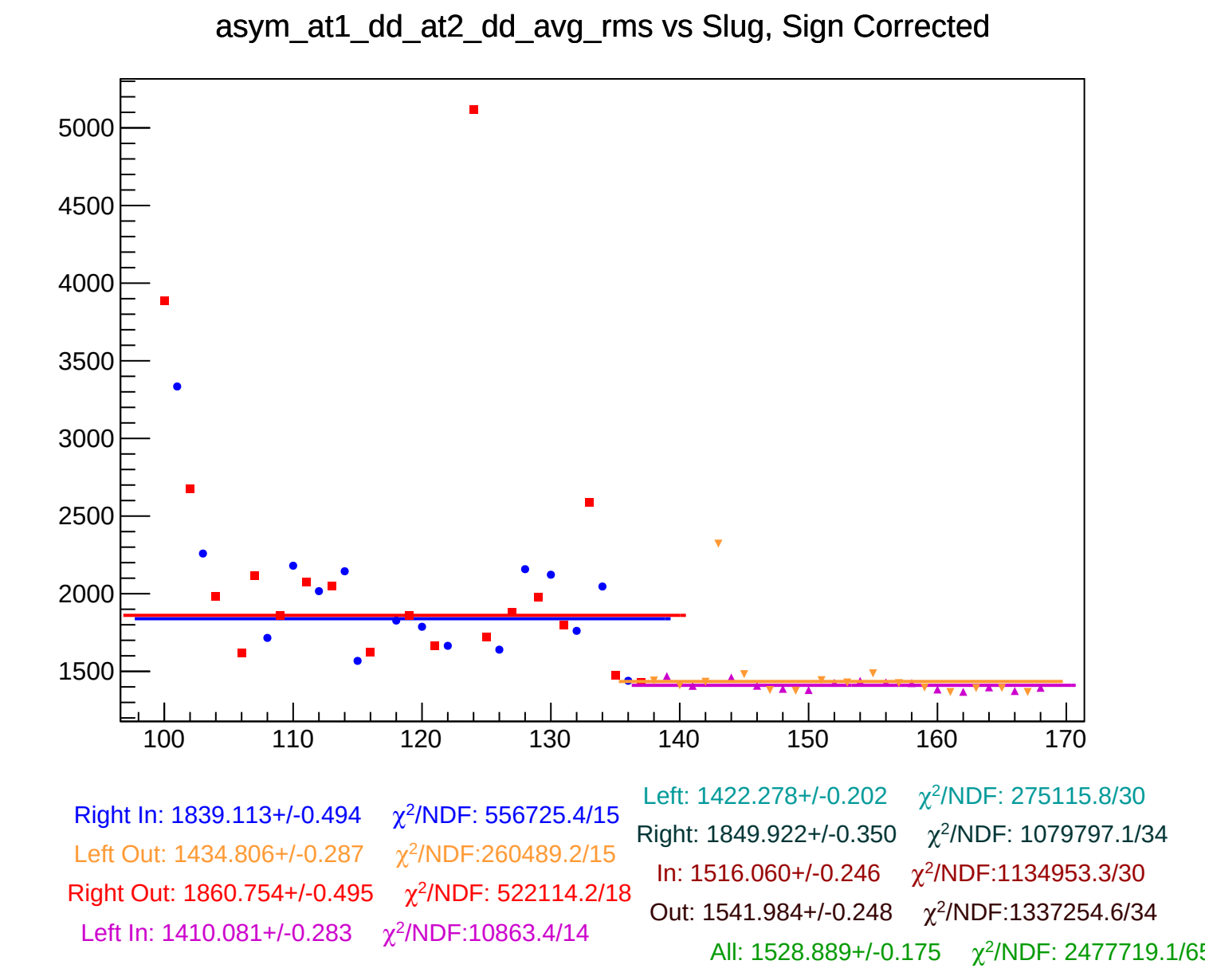
Left: -723.313+/-284.973 χ^2/NDF: 34.9/30

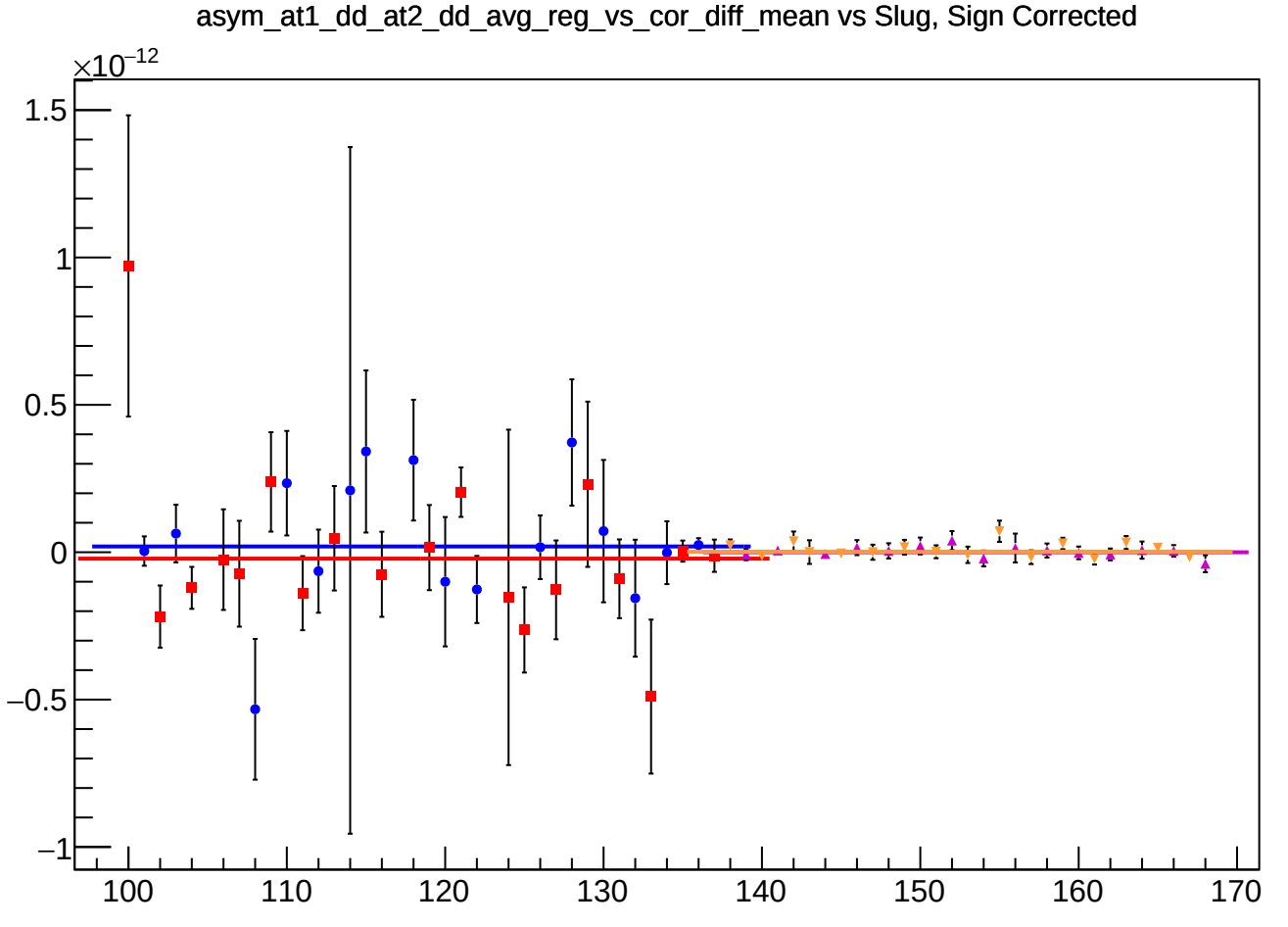
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 24.422+/-347.402 χ^2/NDF:34.1/30

Out: -1030.766+/-350.993 χ^2/NDF:30.3/34

All: -497.746+/-246.910 χ^2/NDF: 69.0/65


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1434.806+/-0.287 χ²/NDF:260489.2/15
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1410.081+/-0.283 χ²/NDF:10863.4/14
Left: 1422.278+/-0.202 χ²/NDF: 275115.8/30
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1516.060+/-0.246 χ²/NDF:1134953.3/30
Out: 1541.984+/-0.248 χ²/NDF:1337254.6/34
All: 1528.889+/-0.175 χ²/NDF: 2477719.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/14

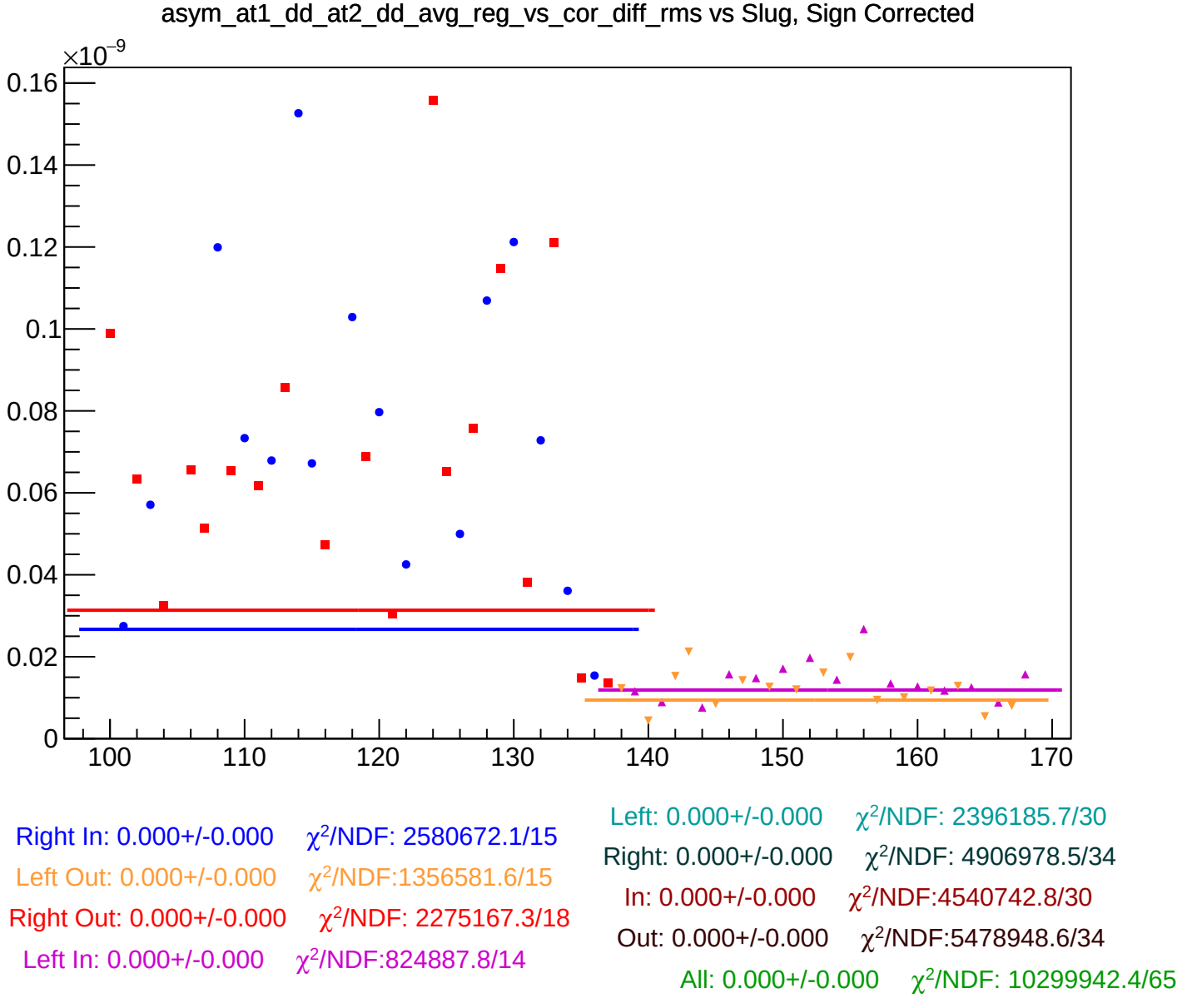
Left: 0.000+/-0.000 χ^2/NDF: 22.9/30

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

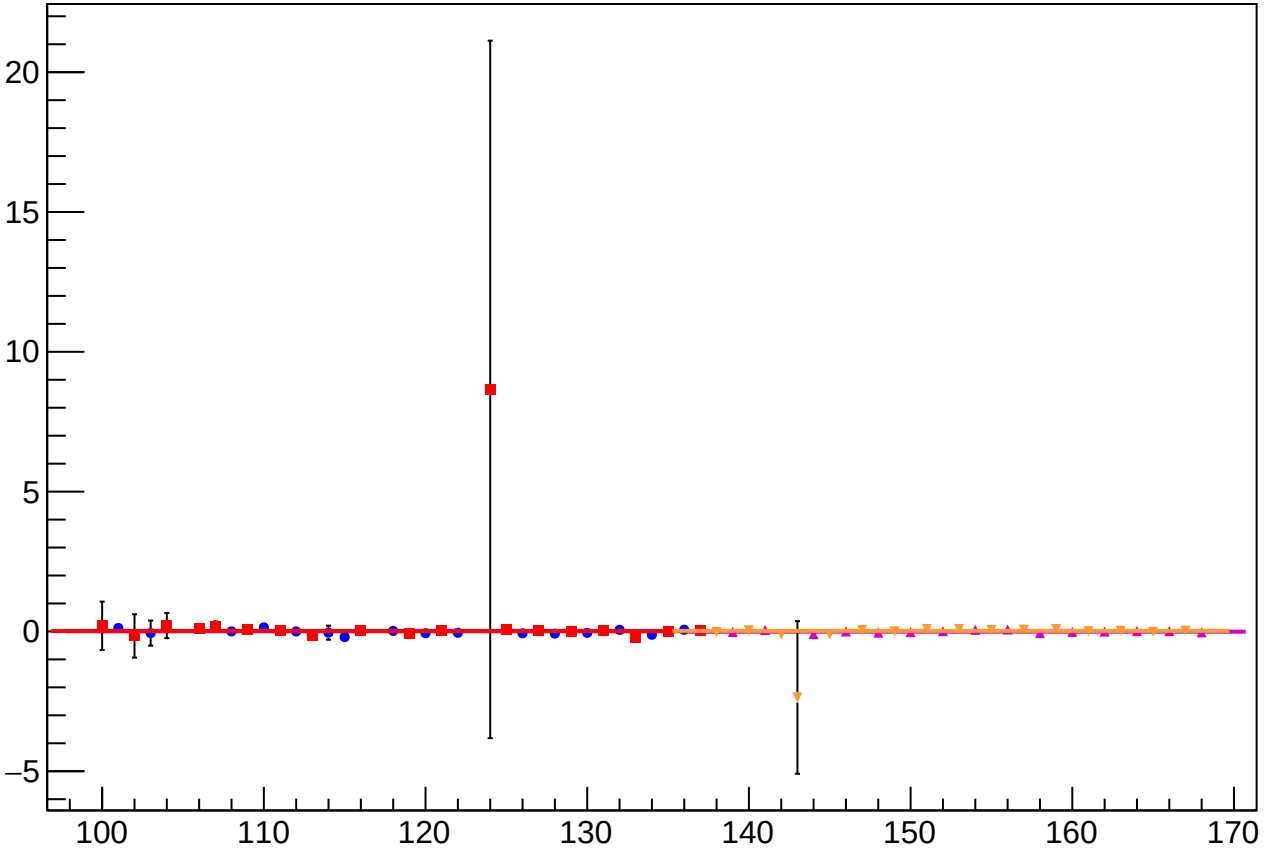
In: 0.000+/-0.000 χ^2/NDF:23.3/30

Out: 0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/65


asym_at1_dd_at2_dd_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
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1356581.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:824887.8/14
Left: 0.000+/-0.000 χ²/NDF: 2396185.7/30
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4540742.8/30
Out: 0.000+/-0.000 χ²/NDF:5478948.6/34
All: 0.000+/-0.000 χ²/NDF: 10299942.4/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

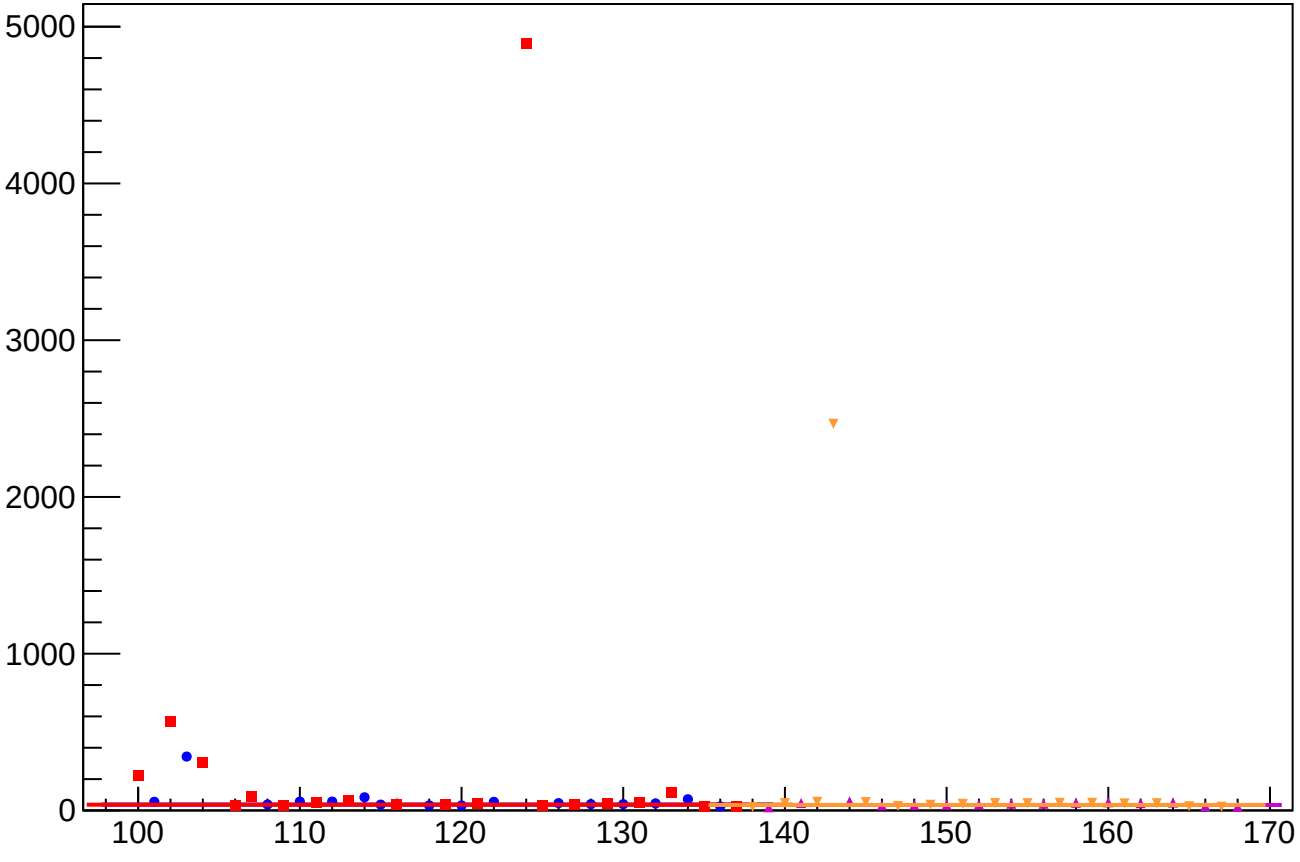
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

Left: 34.971+/-0.006 χ^2/NDF: 5347375.7/30

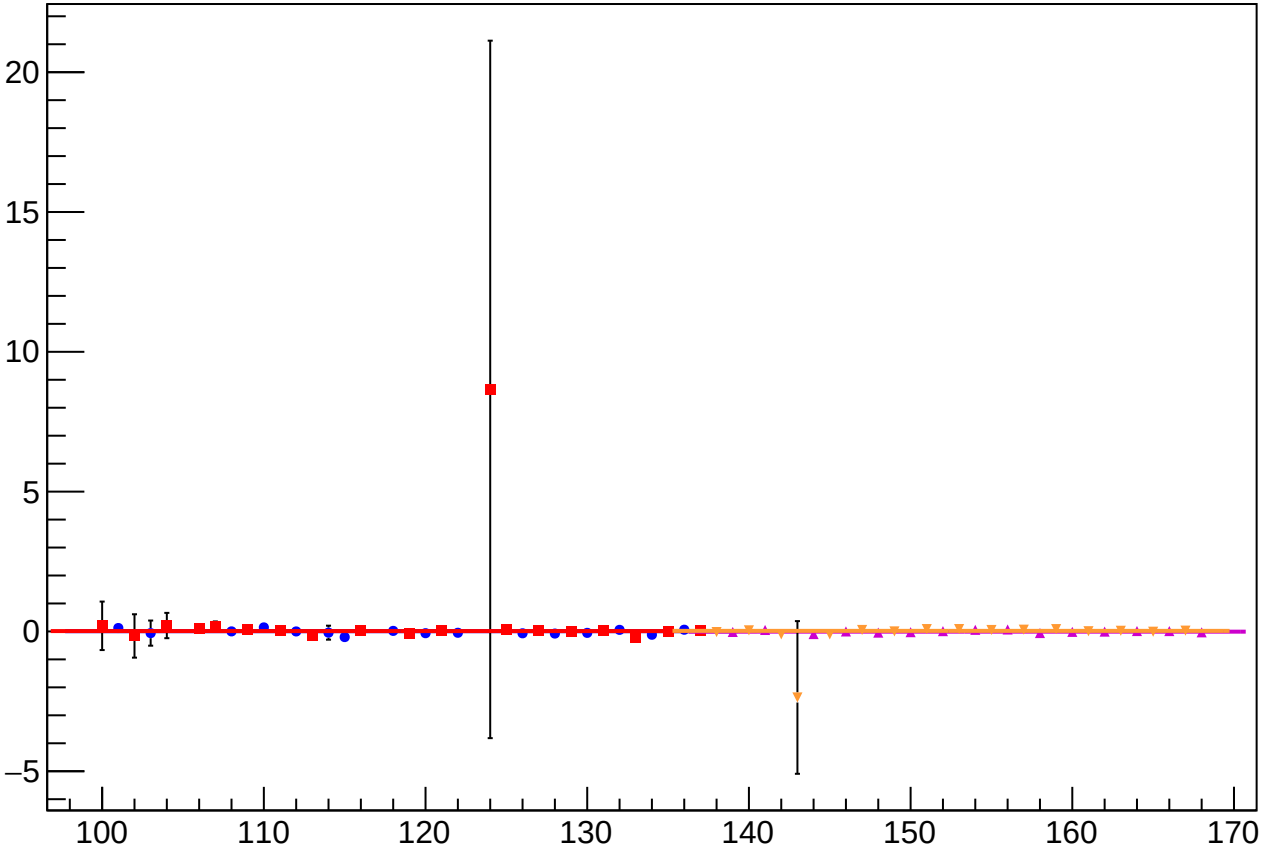
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.714+/-0.006 χ^2/NDF:3886412.2/30

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

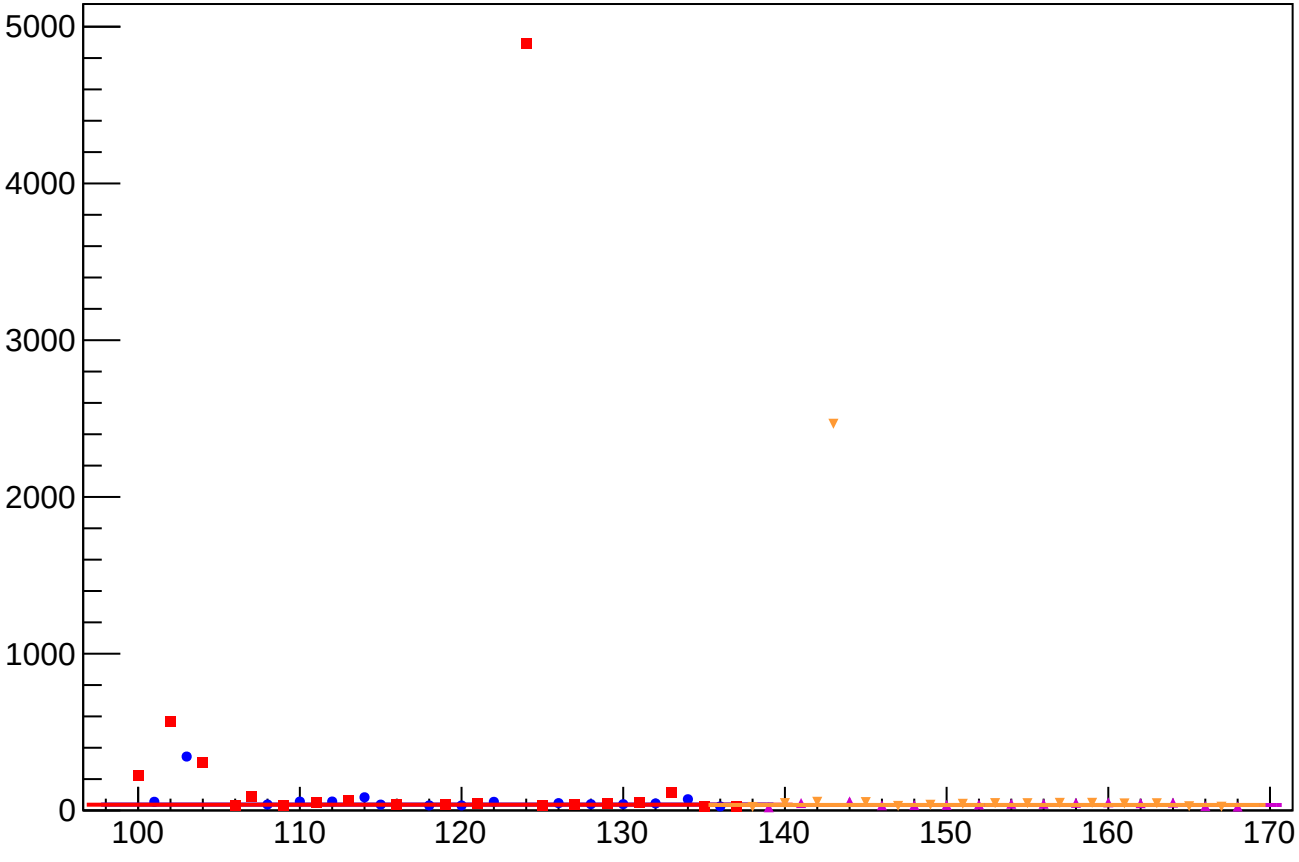
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.065+/-0.008 χ^2/NDF:3479952.0/15

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.882+/-0.008 χ^2/NDF:1867153.7/14

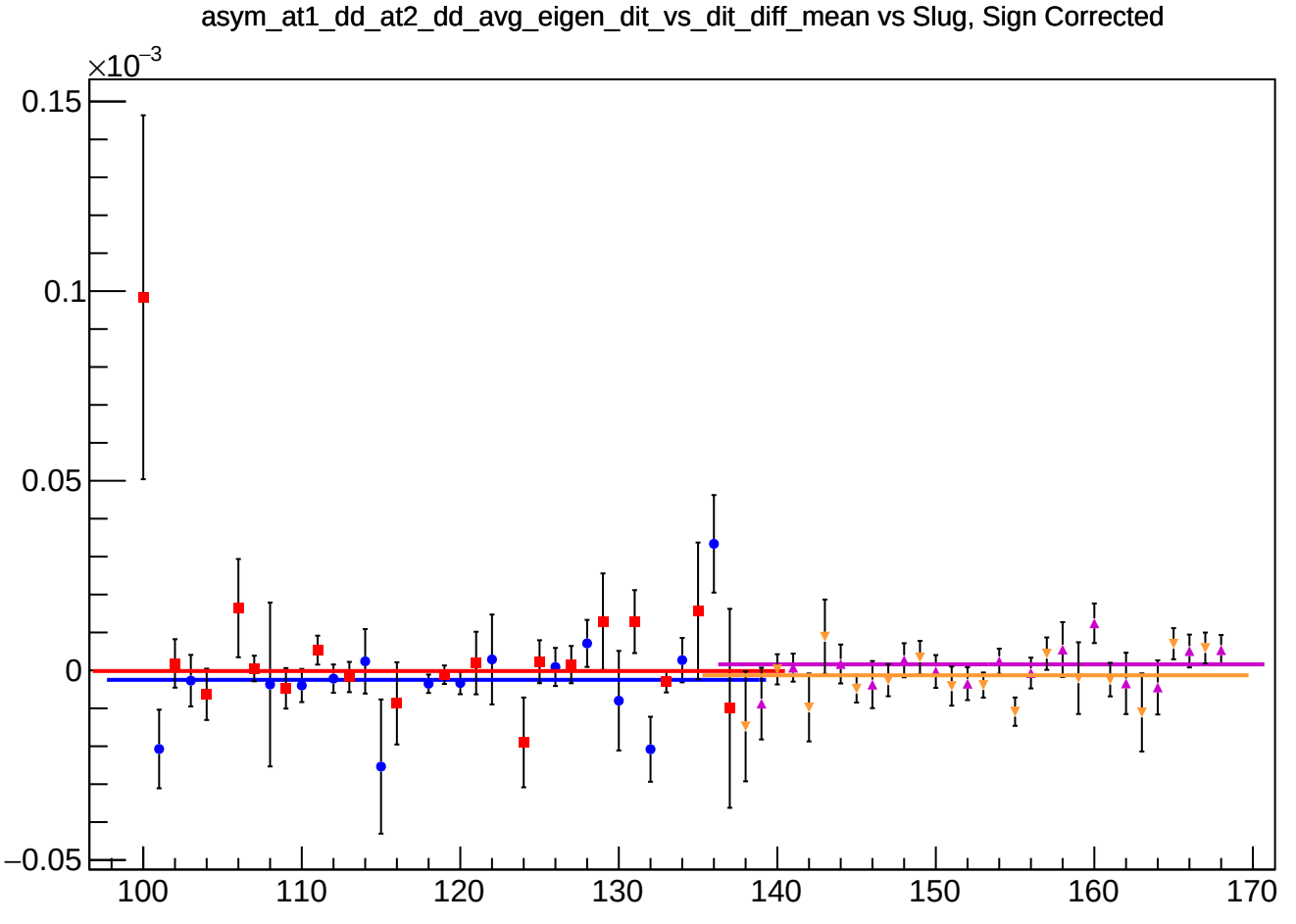
Left: 34.971+/-0.006 χ^2/NDF: 5347375.7/30

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.714+/-0.006 χ^2/NDF:3886412.2/30

Out: 35.603+/-0.007 χ^2/NDF:6685005.7/34

All: 35.660+/-0.005 χ^2/NDF: 10571563.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/14

Left: 0.000+/-0.000 χ^2/NDF: 36.7/30

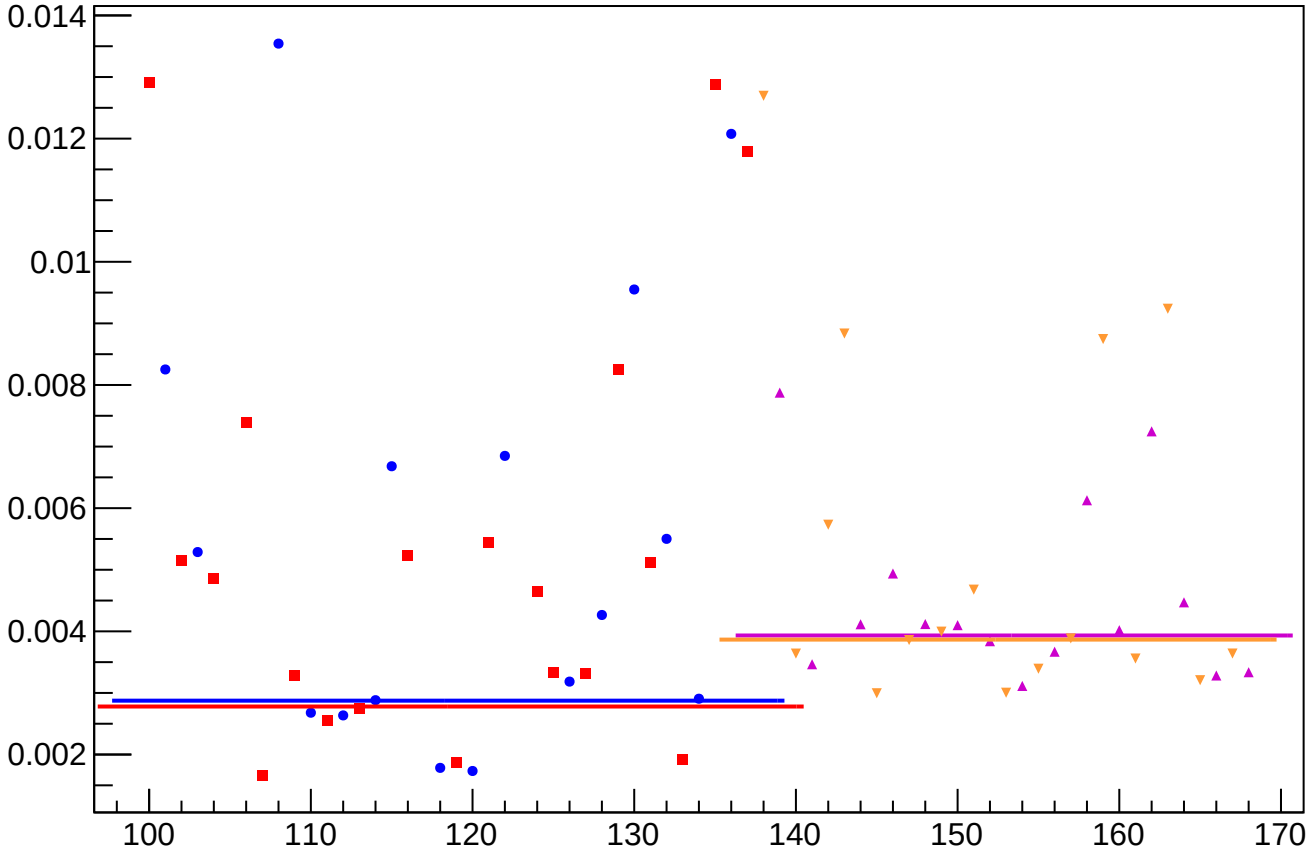
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:38.3/30

Out: -0.000+/-0.000 χ^2/NDF:41.9/34

All: -0.000+/-0.000 χ^2/NDF: 80.3/65

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:2824920.6/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1192787.5/14

Left: 0.004+/-0.000 χ^2/NDF: 4020782.6/30

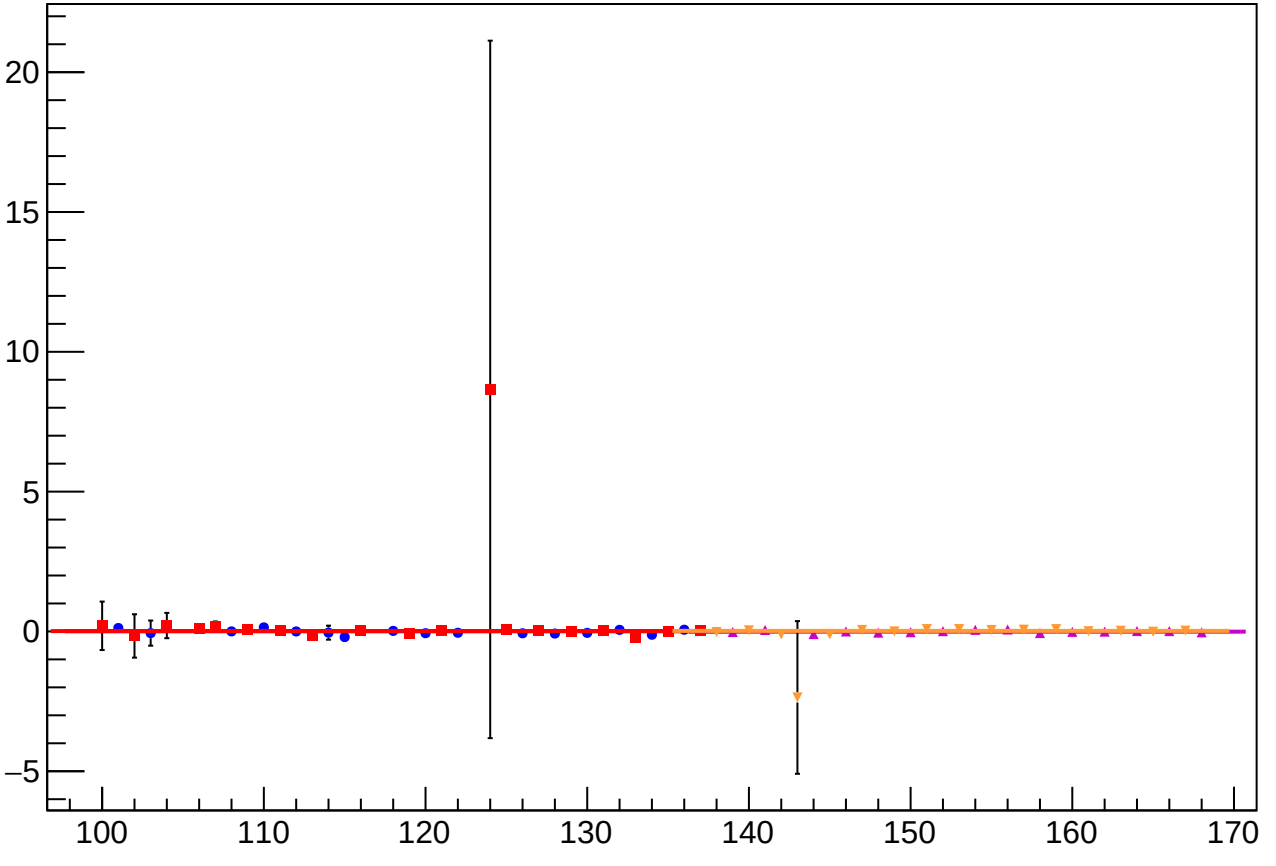
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6042033.0/30

Out: 0.003+/-0.000 χ^2/NDF:6989242.5/34

All: 0.003+/-0.000 χ^2/NDF: 13049167.7/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

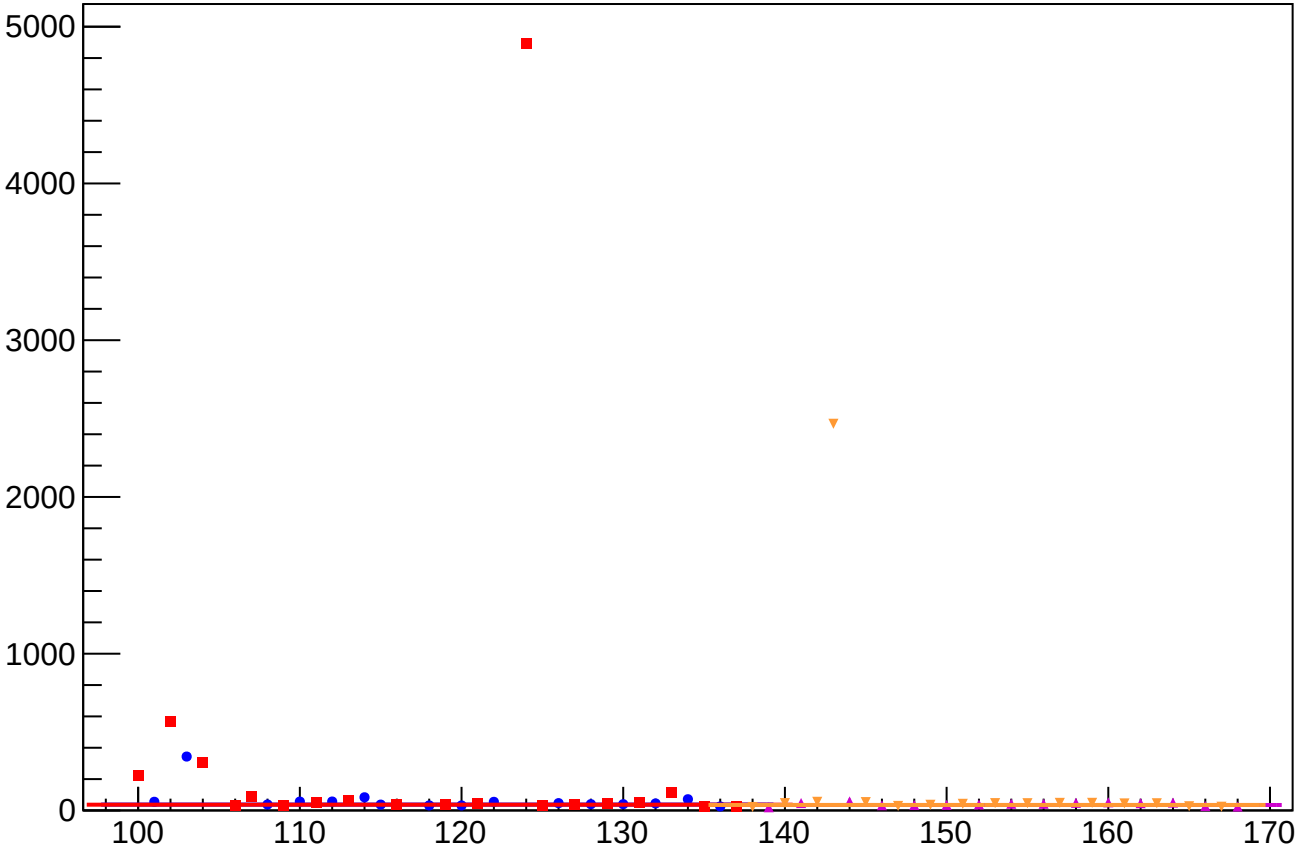
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

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: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

Left: 34.971+/-0.006 χ^2/NDF: 5346368.5/30

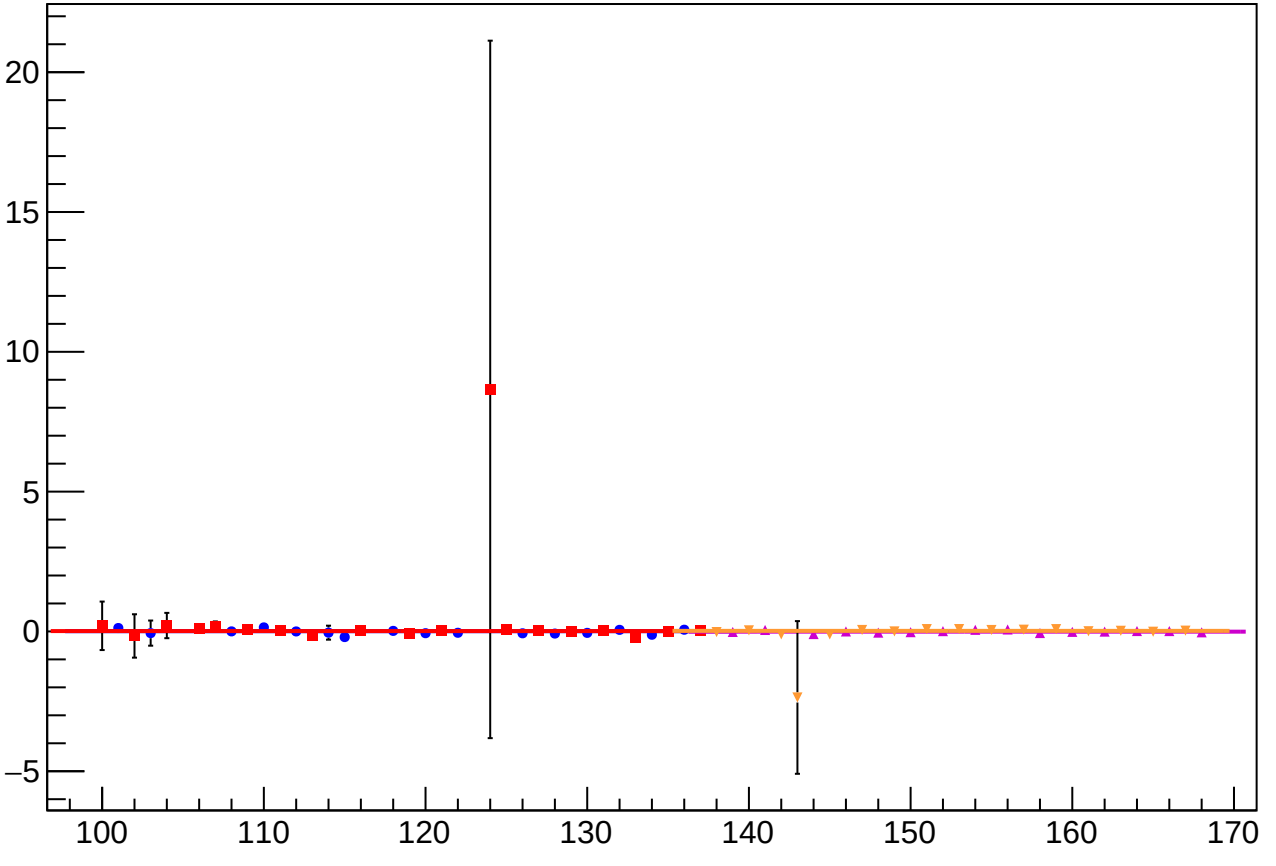
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.716+/-0.006 χ^2/NDF:3885158.5/30

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65

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: 0.020+/-0.011 χ^2/NDF:17.0/15

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.011 χ^2/NDF:10.7/14

Left: 0.006+/-0.008 χ^2/NDF: 31.0/30

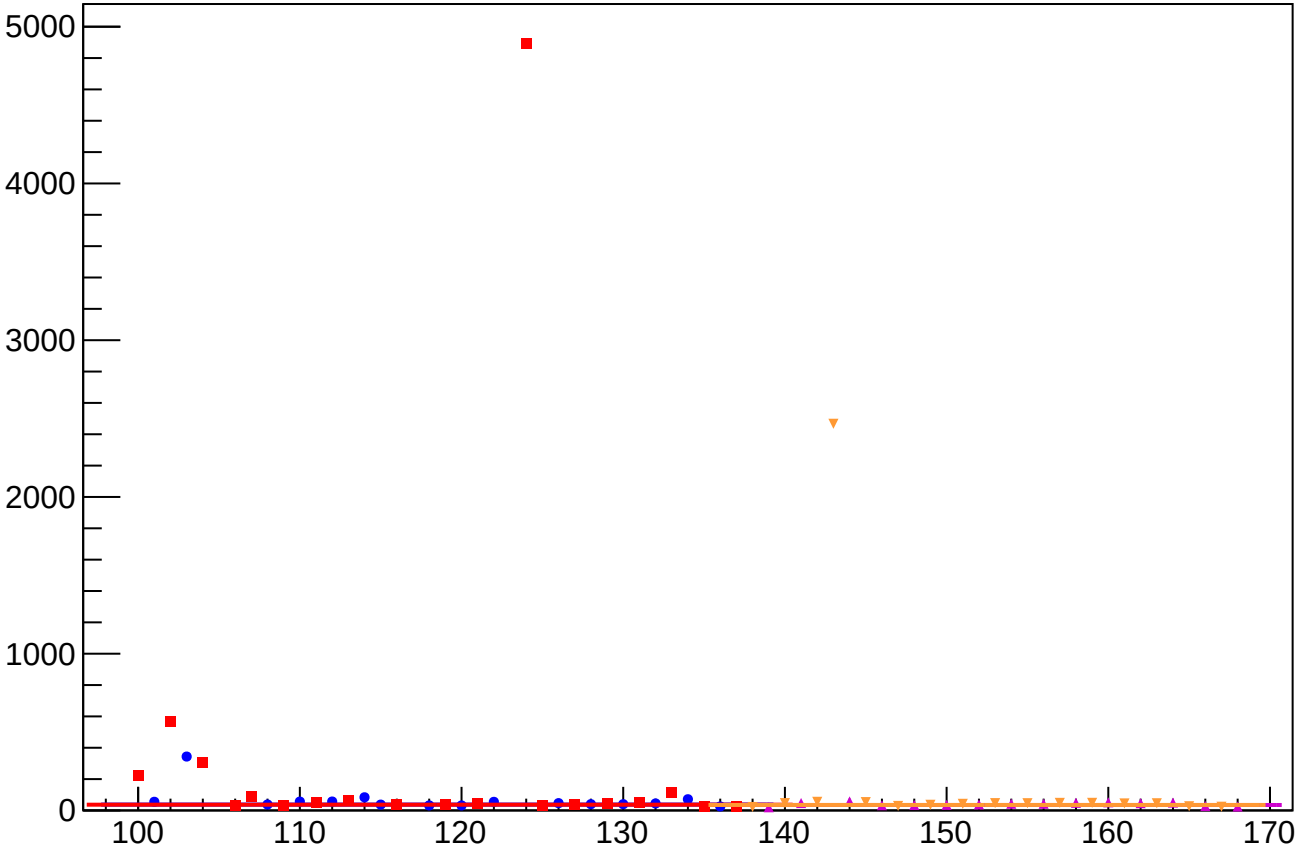
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.009 χ^2/NDF:30.7/30

Out: 0.018+/-0.009 χ^2/NDF:29.8/34

All: 0.007+/-0.007 χ^2/NDF: 63.0/65

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.063+/-0.008 χ^2/NDF:3480090.1/15

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.884+/-0.008 χ^2/NDF:1866018.7/14

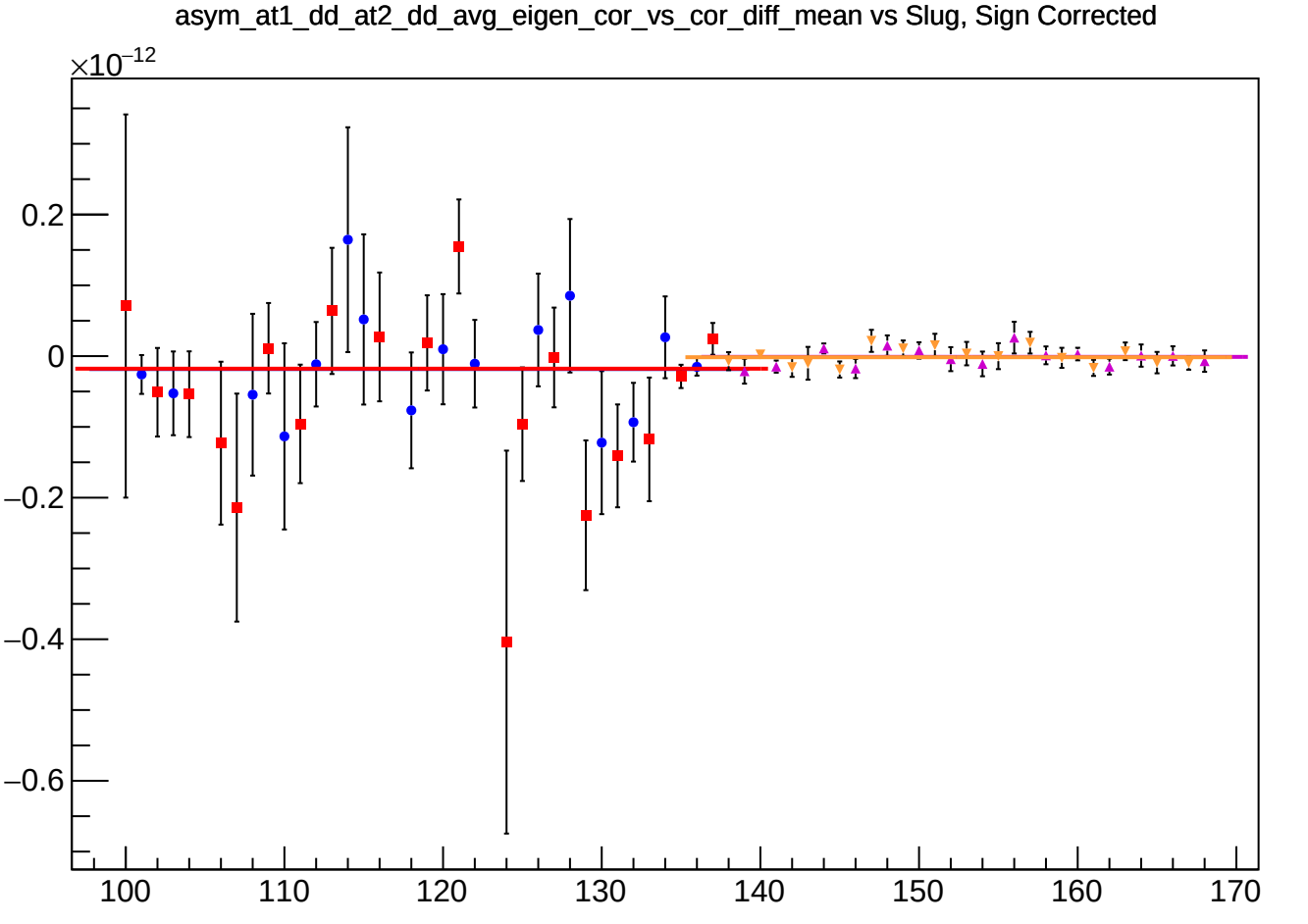
Left: 34.971+/-0.006 χ^2/NDF: 5346368.5/30

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.716+/-0.006 χ^2/NDF:3885158.5/30

Out: 35.603+/-0.007 χ^2/NDF:6684892.5/34

All: 35.661+/-0.005 χ^2/NDF: 10570202.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/14

Left: -0.000+/-0.000 χ^2/NDF: 27.4/30

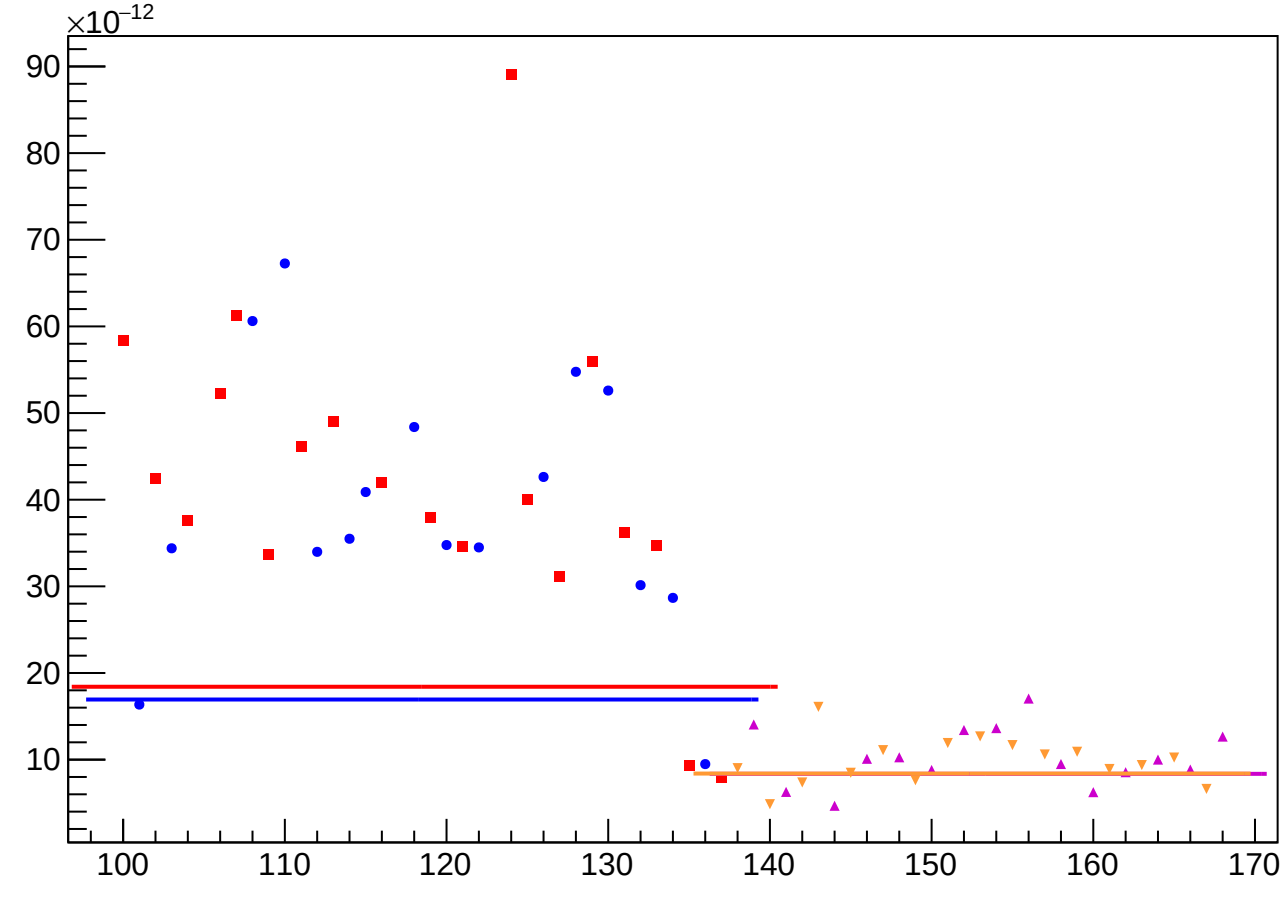
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.8/30

Out: -0.000+/-0.000 χ^2/NDF:42.9/34

All: -0.000+/-0.000 χ^2/NDF: 67.7/65

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369910.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1924812.9/14

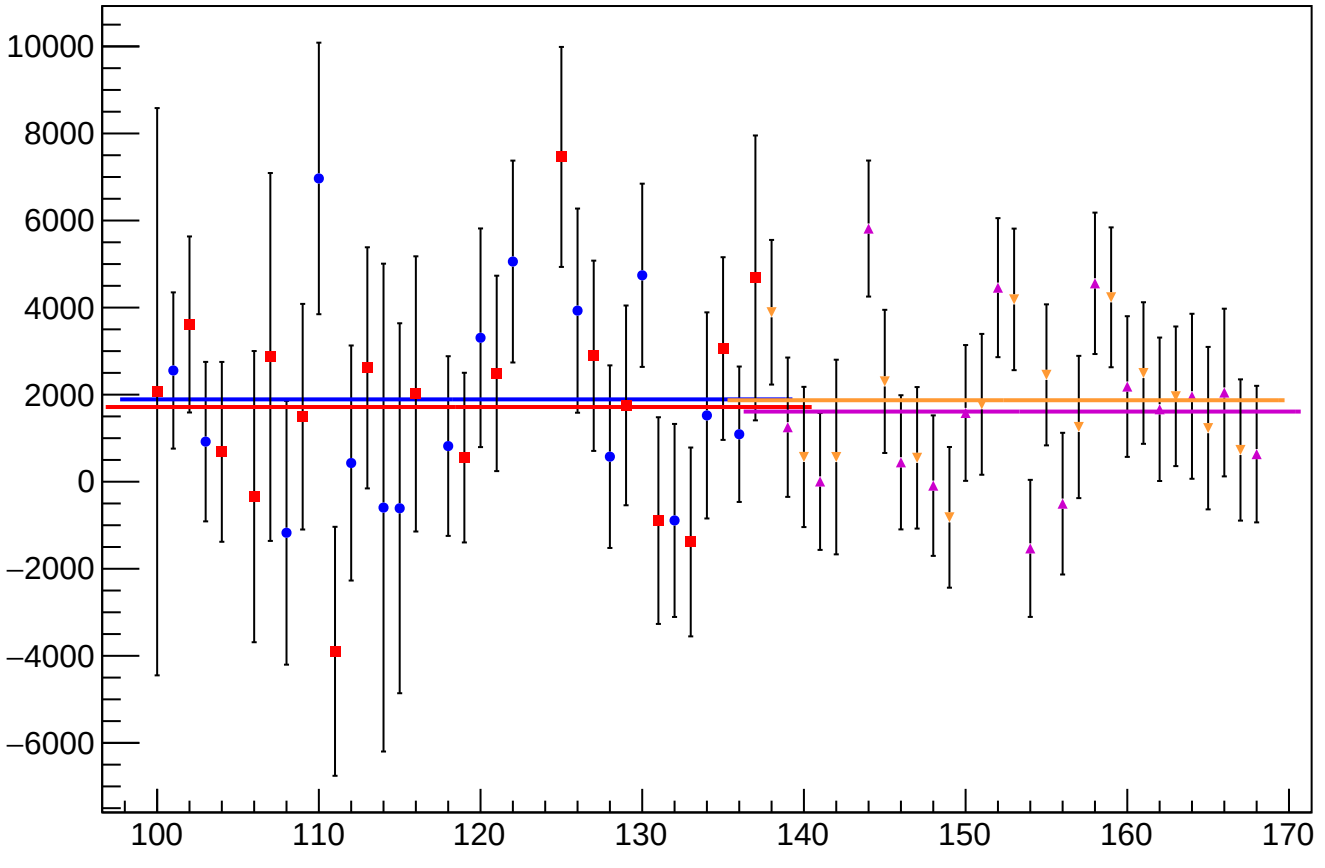
Left: 0.000+/-0.000 χ^2/NDF: 3294828.2/30

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6496189.1/30

Out: 0.000+/-0.000 χ^2/NDF:6568273.0/34

All: 0.000+/-0.000 χ^2/NDF: 13064463.3/65



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.591+/-429.699 χ^2/NDF:11.2/14

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1611.120+/-419.670 χ^2/NDF:22.8/14

Left: 1738.280+/-300.234 χ^2/NDF: 34.2/29

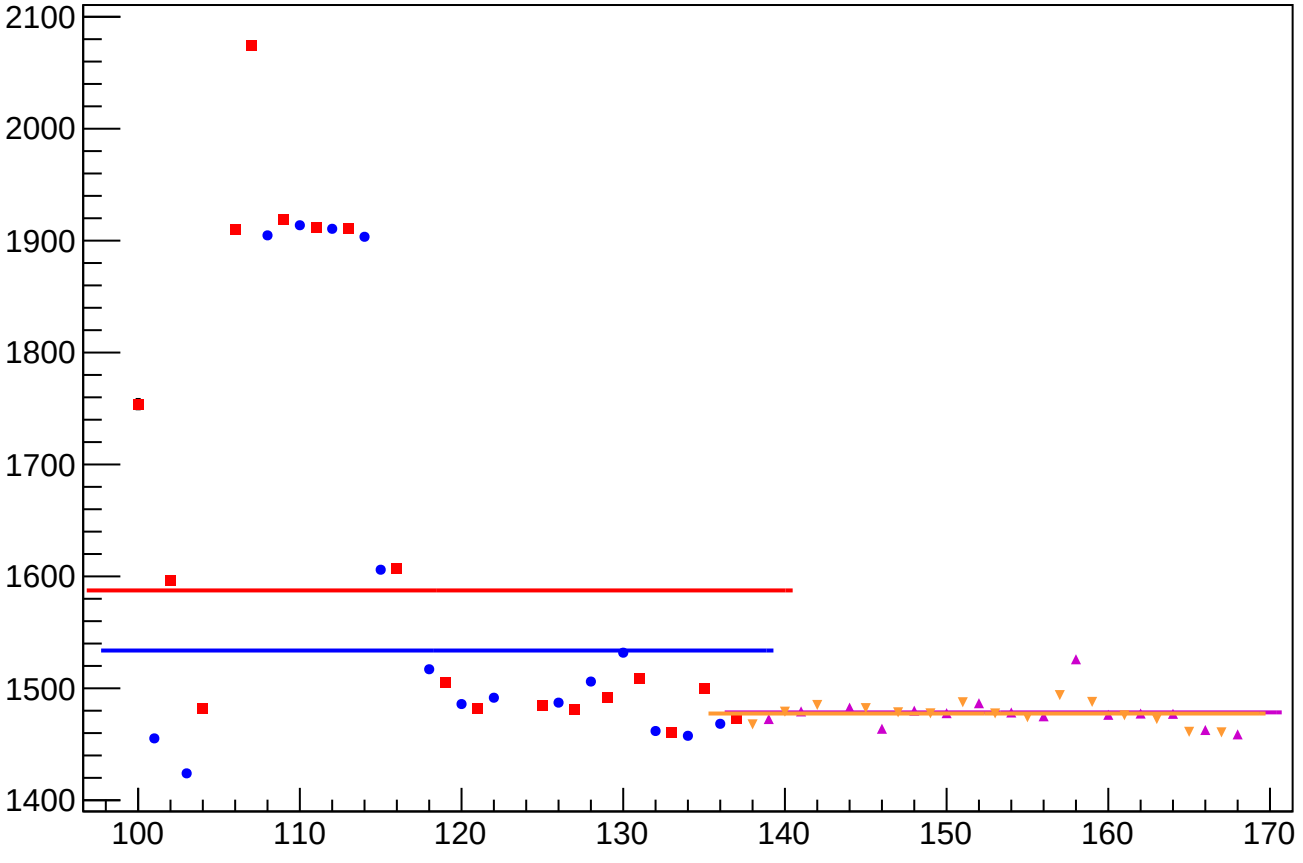
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1709.164+/-338.417 χ^2/NDF:35.1/30

Out: 1817.576+/-347.244 χ^2/NDF:27.2/32

All: 1761.974+/-242.358 χ^2/NDF: 62.4/63

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

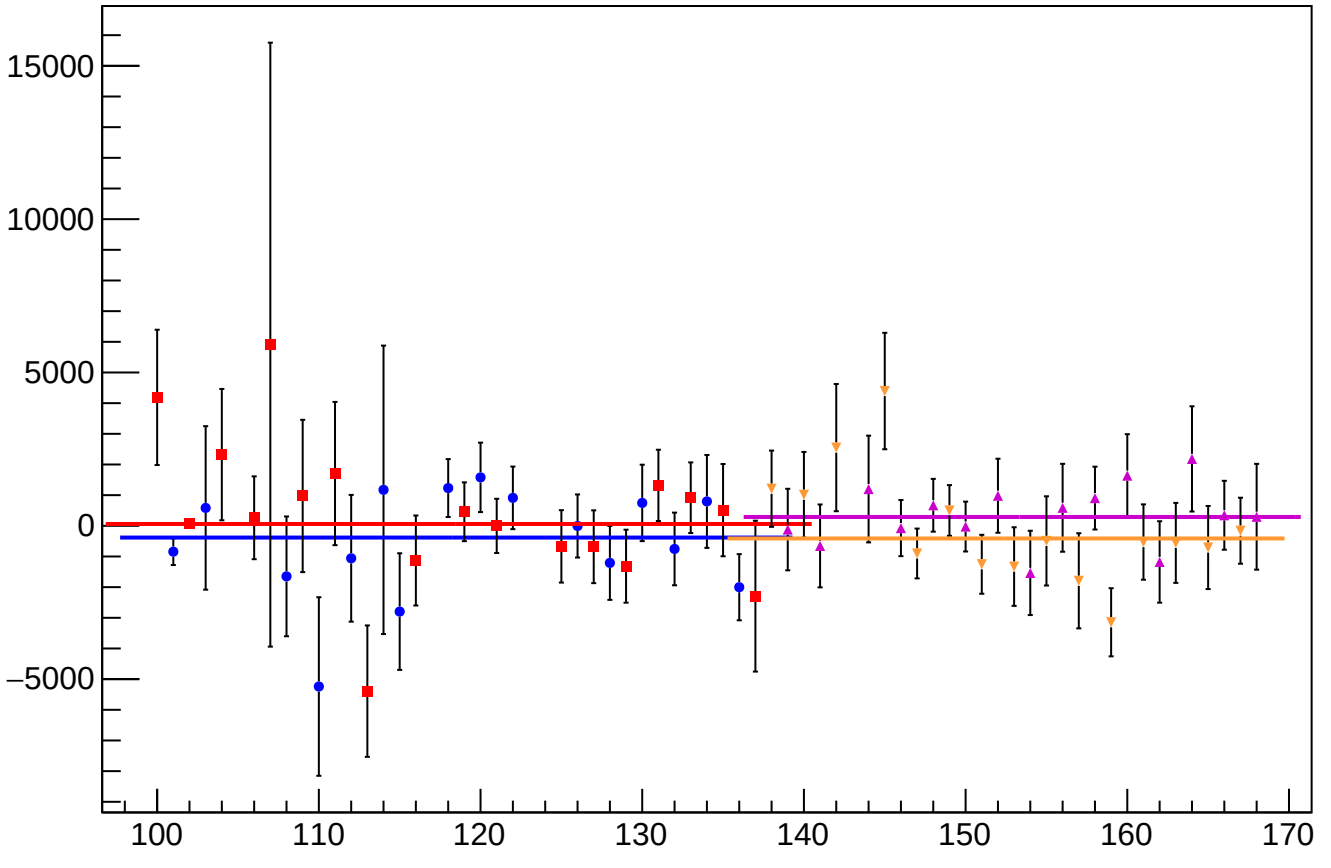
Left: 1478.008+/-0.212 χ^2/NDF: 3324.7/29

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1497.836+/-0.239 χ^2/NDF:143846.0/30

Out: 1515.640+/-0.246 χ^2/NDF:218318.1/32

All: 1506.509+/-0.171 χ^2/NDF: 364860.7/63



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 288.209+/-305.155 χ^2/NDF:7.3/14

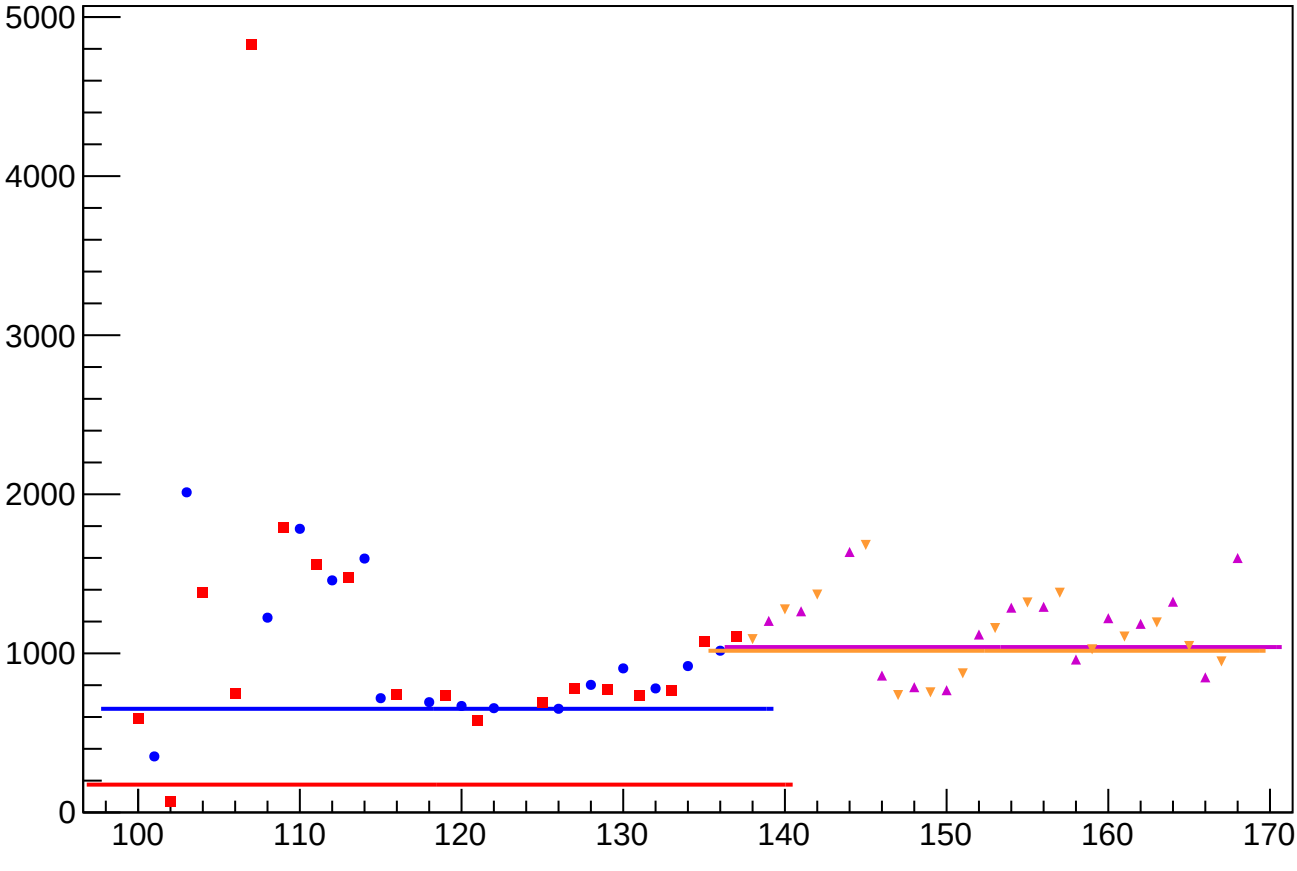
Left: -61.511+/-215.989 χ^2/NDF: 31.0/29

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -85.453+/-203.134 χ^2/NDF:28.2/30

Out: -10.221+/-117.836 χ^2/NDF:40.8/32

All: -29.163+/-101.928 χ^2/NDF: 69.1/63



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1016.421+/-0.216 χ^2/NDF:1137969.2/14

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1039.672+/-0.216 χ^2/NDF:1323694.2/14

Left: 1028.069+/-0.153 χ^2/NDF: 2467457.7/29

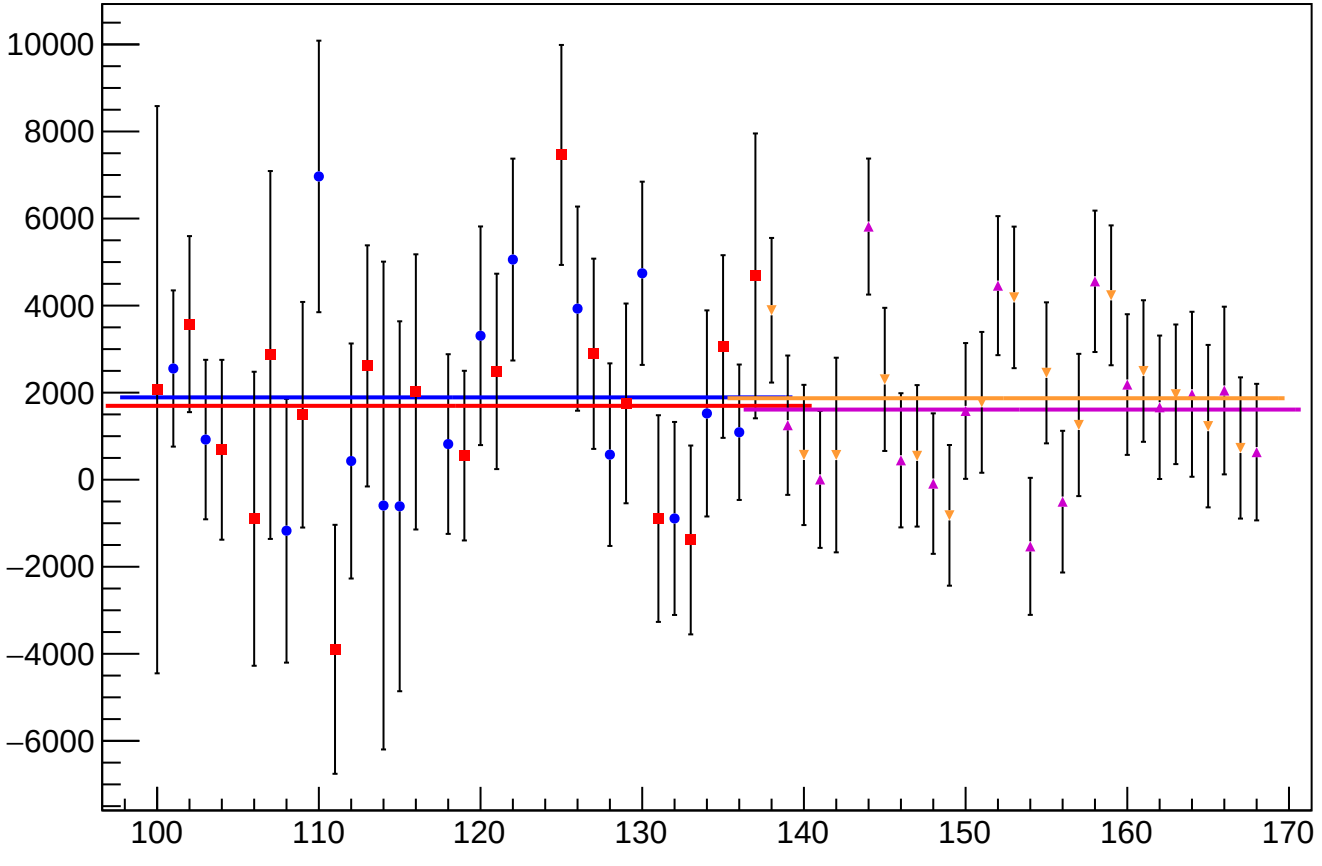
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 823.521+/-0.144 χ^2/NDF:5888315.1/30

Out: 299.887+/-0.083 χ^2/NDF:23798911.8/32

All: 431.727+/-0.072 χ^2/NDF: 39630992.9/63

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1611.209+/-419.670 χ^2/NDF:22.8/14

Left: 1738.319+/-300.234 χ^2/NDF: 34.2/29

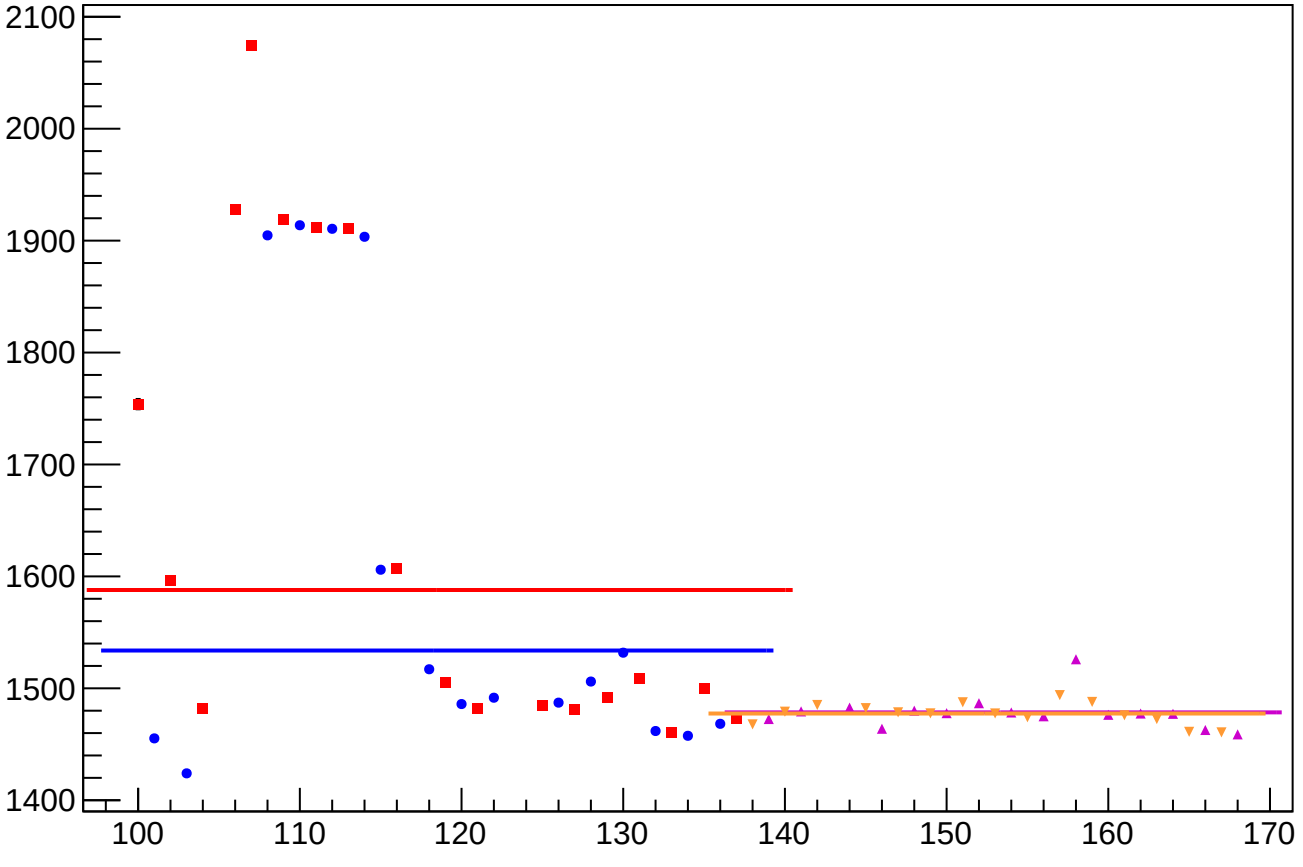
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1709.259+/-338.417 χ^2/NDF:35.1/30

Out: 1811.026+/-347.281 χ^2/NDF:27.4/32

All: 1758.827+/-242.370 χ^2/NDF: 62.6/63

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

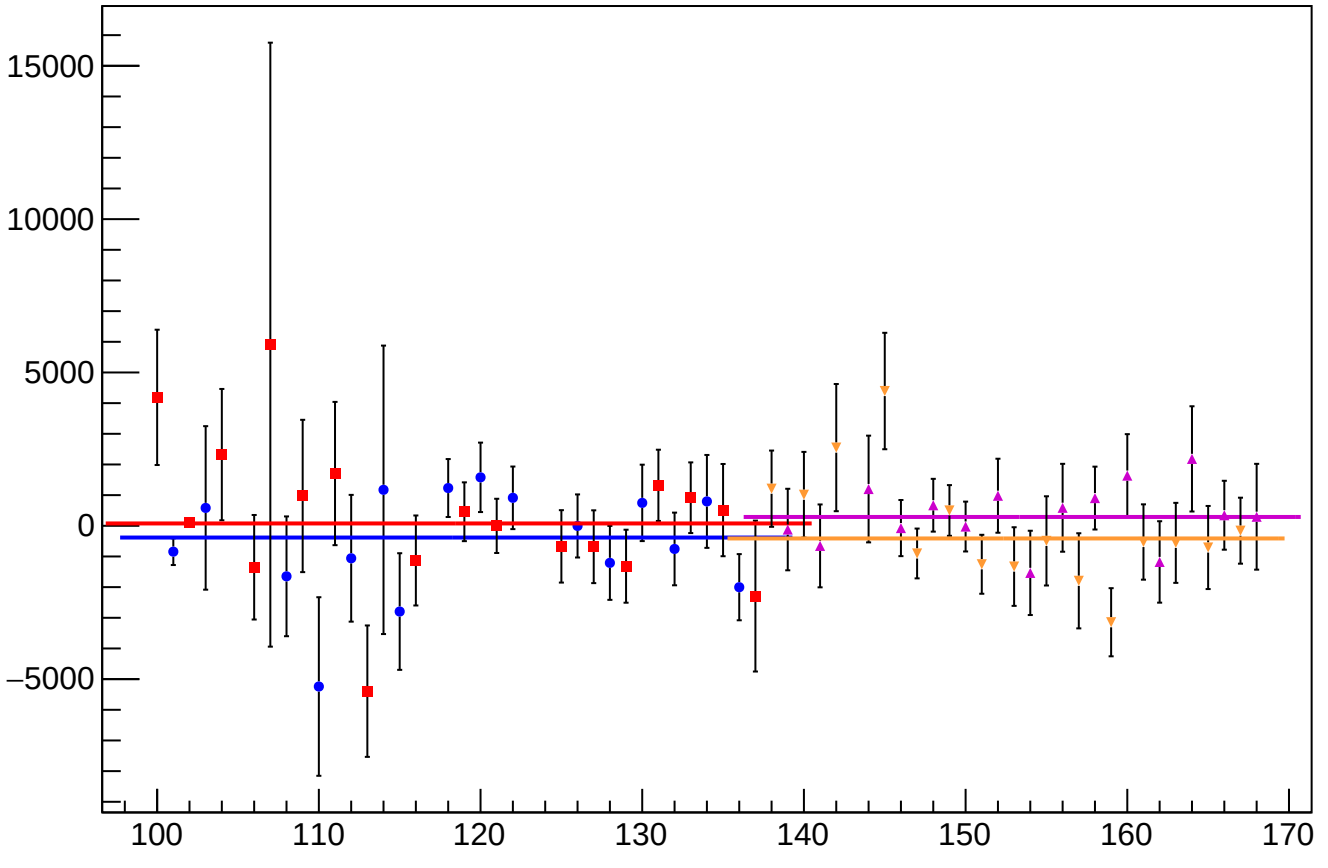
Left: 1478.008+/-0.212 χ^2/NDF: 3324.7/29

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1497.836+/-0.239 χ^2/NDF:143846.0/30

Out: 1515.758+/-0.246 χ^2/NDF:220397.1/32

All: 1506.566+/-0.171 χ^2/NDF: 366975.2/63



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.305+/-305.155 χ^2/NDF:7.3/14

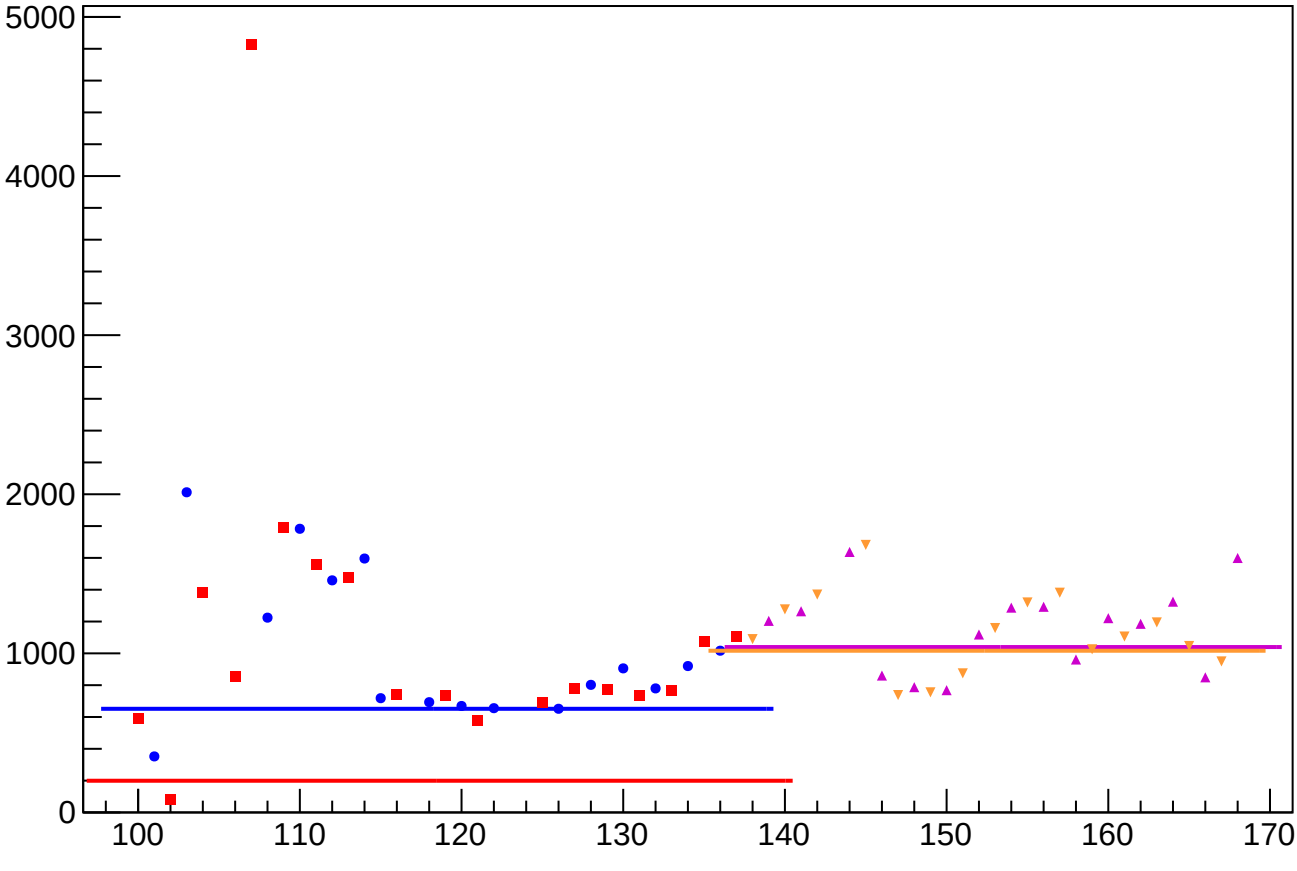
Left: -61.463+/-215.990 χ^2/NDF: 31.0/29

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -85.397+/-203.134 χ^2/NDF:28.2/30

Out: -6.200+/-125.886 χ^2/NDF:41.6/32

All: -28.176+/-107.004 χ^2/NDF: 69.9/63



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF:1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1039.671+/-0.216 χ^2/NDF:1323792.0/14

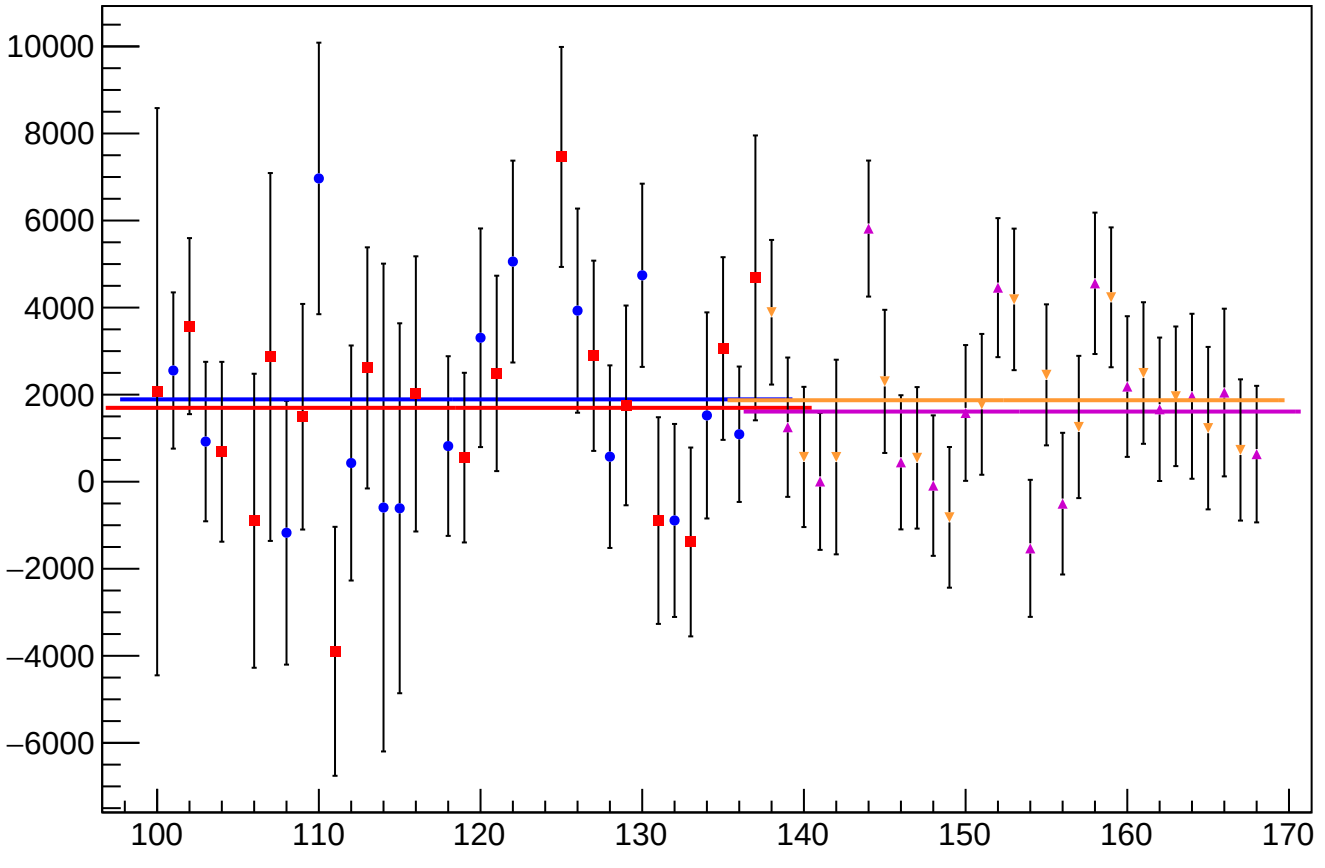
Left: 1028.070+/-0.153 χ^2/NDF: 2467565.1/29

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 823.519+/-0.144 χ^2/NDF:5888443.1/30

Out: 337.848+/-0.089 χ^2/NDF:22284223.7/32

All: 472.614+/-0.076 χ^2/NDF: 36432994.1/63



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1871.577+/-429.699 χ^2/NDF:11.2/14

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1611.209+/-419.670 χ^2/NDF:22.8/14

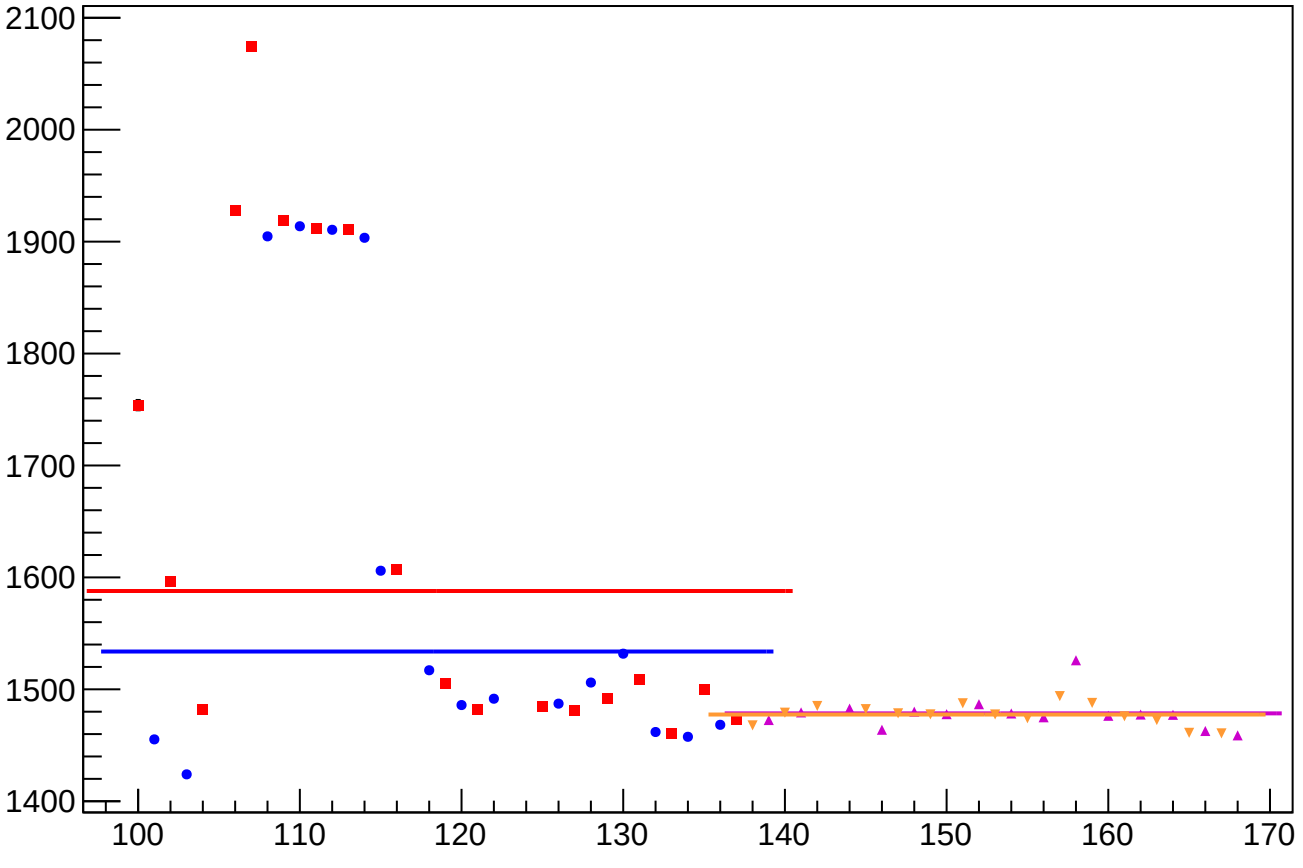
Left: 1738.319+/-300.234 χ^2/NDF: 34.2/29

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1709.259+/-338.417 χ^2/NDF:35.1/30

Out: 1811.026+/-347.281 χ^2/NDF:27.4/32

All: 1758.827+/-242.370 χ^2/NDF: 62.6/63



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.482+/-0.304 χ^2/NDF:872.8/14

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.509+/-0.297 χ^2/NDF:2446.0/14

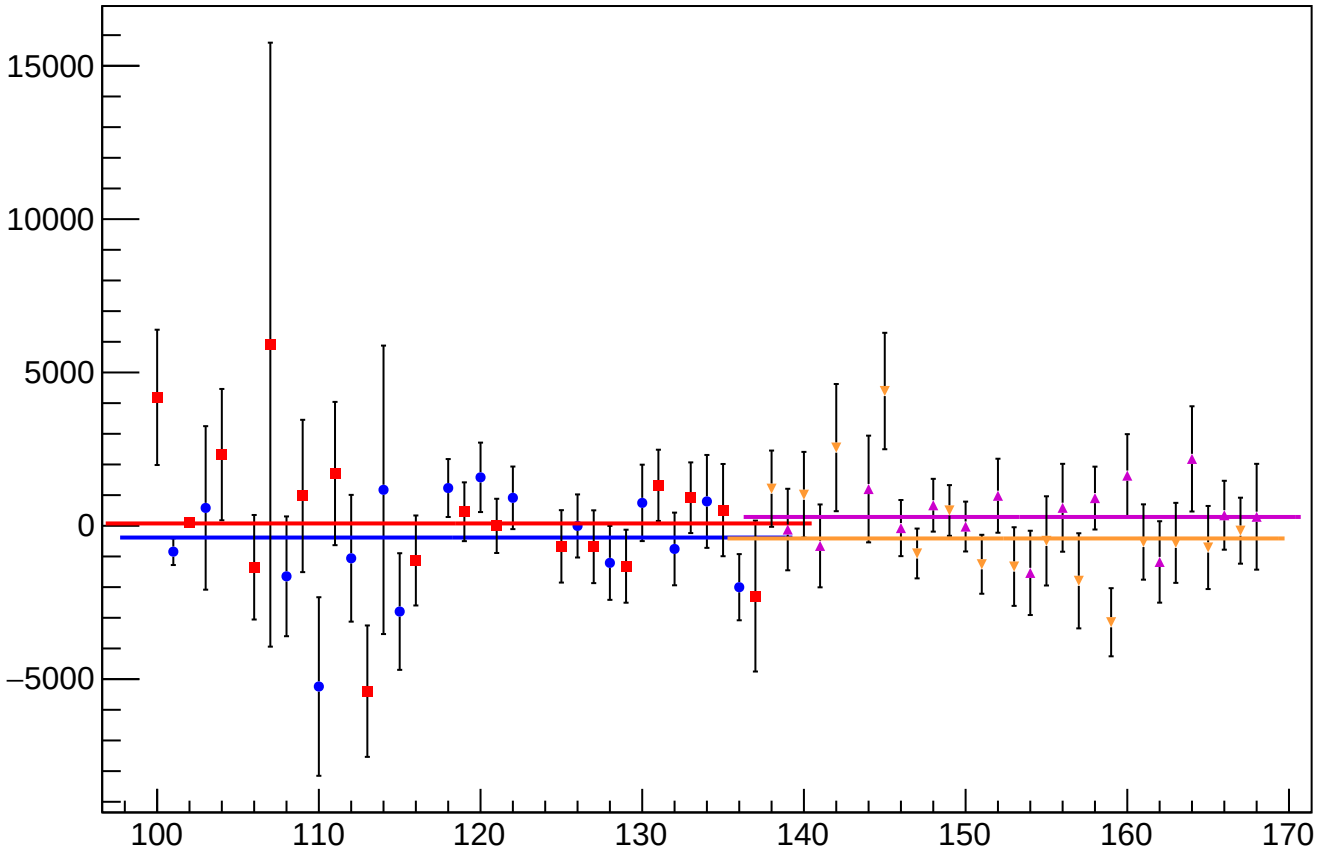
Left: 1478.008+/-0.212 χ^2/NDF: 3324.7/29

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1497.836+/-0.239 χ^2/NDF:143846.0/30

Out: 1515.758+/-0.246 χ^2/NDF:220397.1/32

All: 1506.566+/-0.171 χ^2/NDF: 366975.2/63



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -412.614+/-305.757 χ^2/NDF:21.0/14

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 288.305+/-305.155 χ^2/NDF:7.3/14

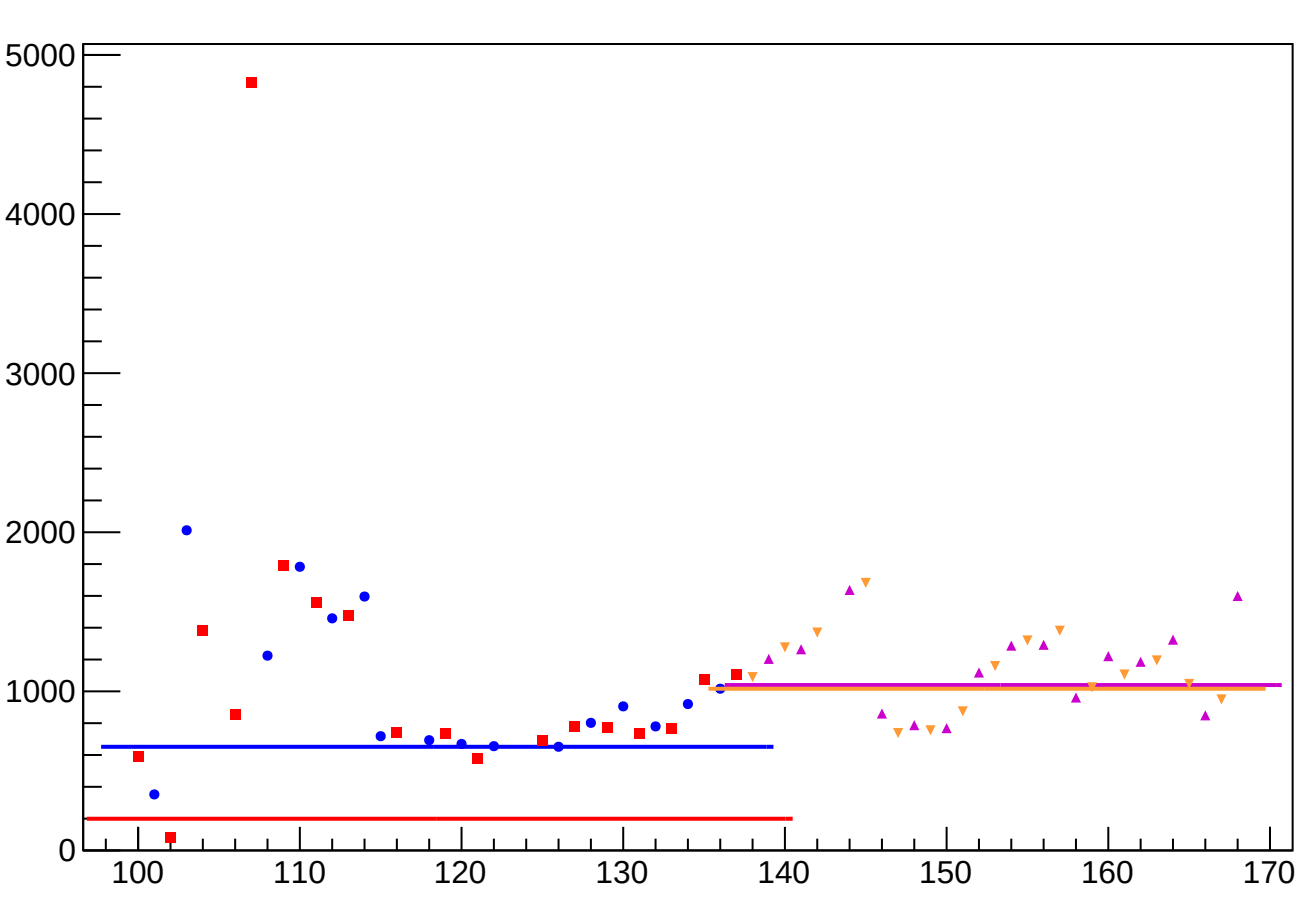
Left: -61.463+/-215.990 χ^2/NDF: 31.0/29

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -85.397+/-203.134 χ^2/NDF:28.2/30

Out: -6.200+/-125.886 χ^2/NDF:41.6/32

All: -28.176+/-107.004 χ^2/NDF: 69.9/63



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1016.423+/-0.216 χ^2/NDF:1137980.6/14

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1039.671+/-0.216 χ^2/NDF:1323792.0/14

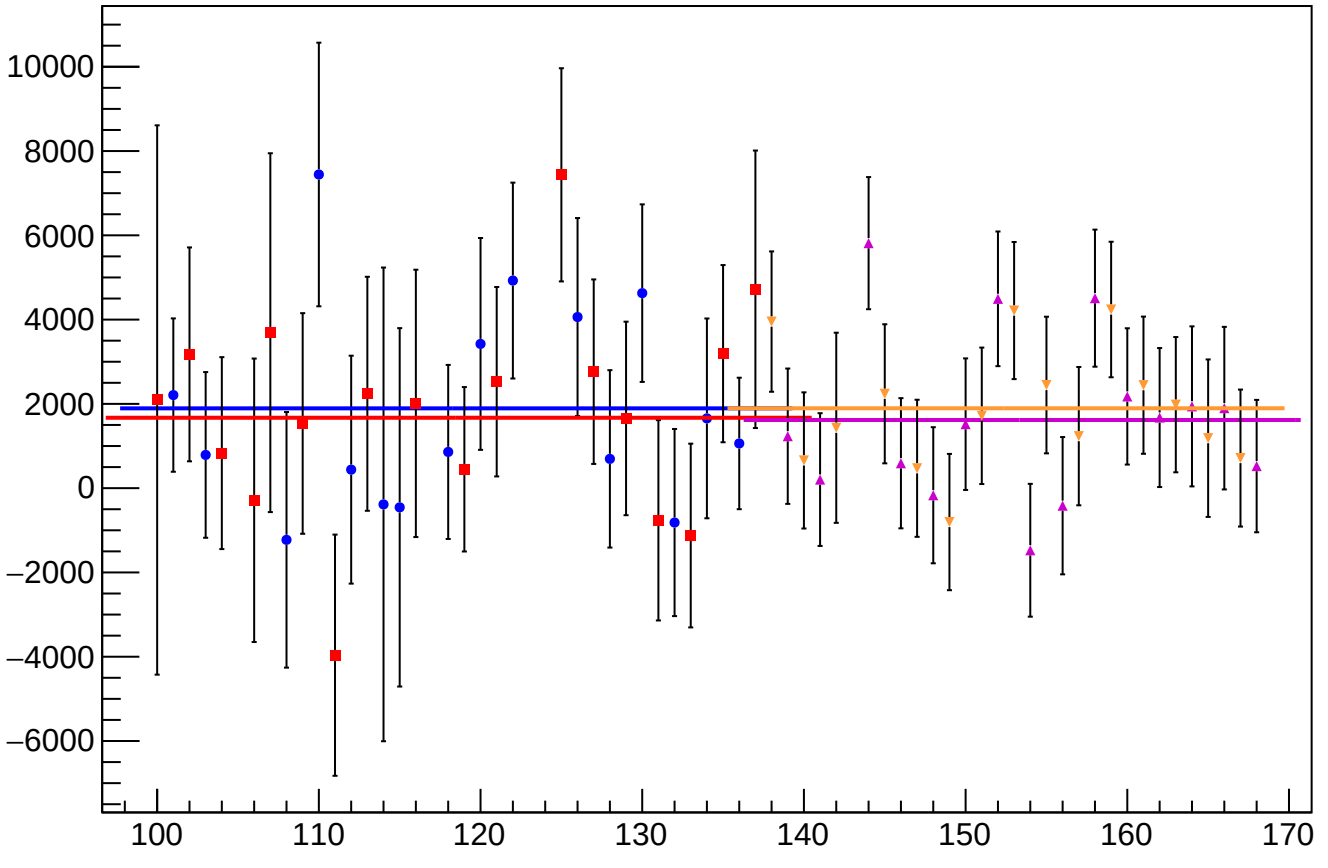
Left: 1028.070+/-0.153 χ^2/NDF: 2467565.1/29

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 823.519+/-0.144 χ^2/NDF:5888443.1/30

Out: 337.848+/-0.089 χ^2/NDF:22284223.7/32

All: 472.614+/-0.076 χ^2/NDF: 36432994.1/63



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1895.725+/-430.496 χ^2/NDF:11.0/14

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1617.306+/-420.299 χ^2/NDF:22.2/14

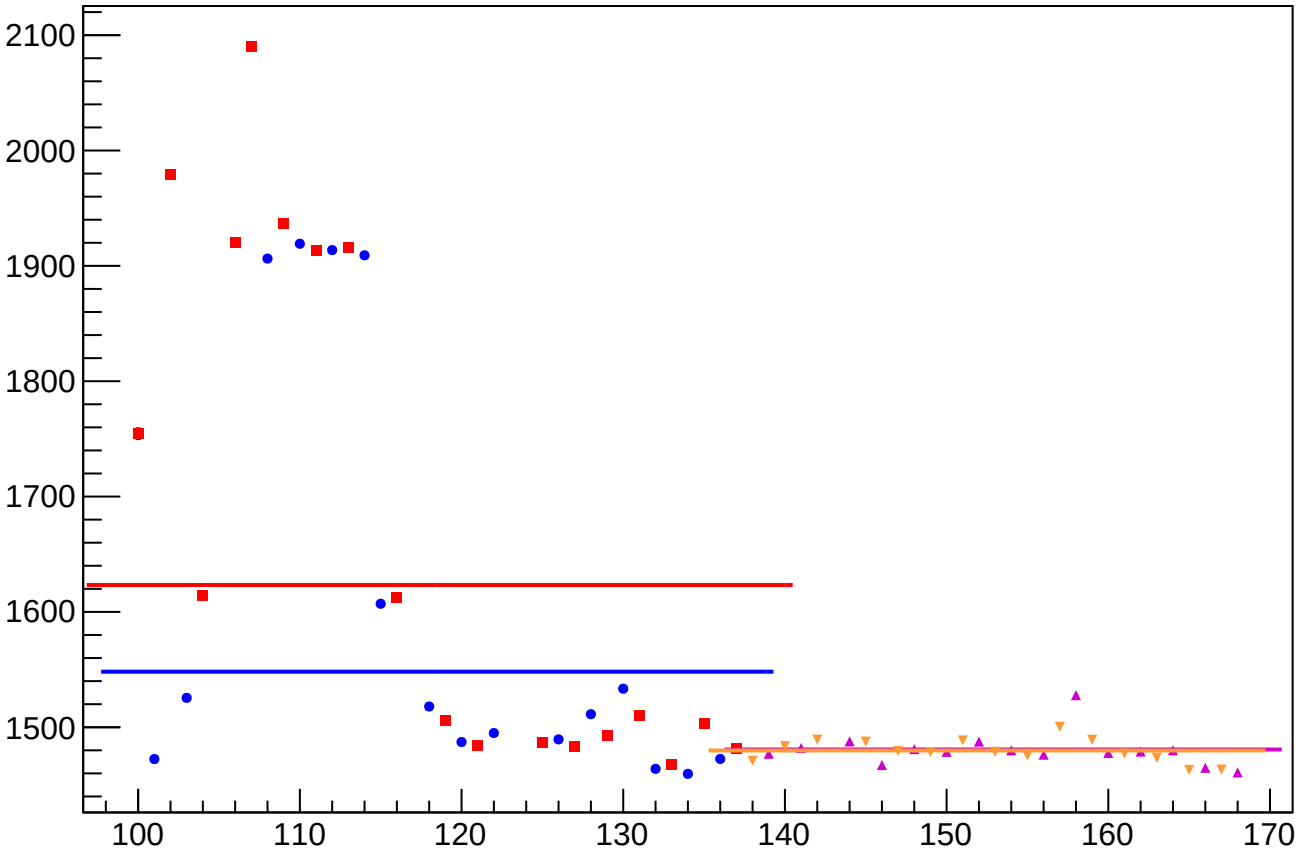
Left: 1753.179+/-300.737 χ^2/NDF: 33.4/29

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1713.147+/-339.854 χ^2/NDF:34.6/30

Out: 1820.139+/-350.728 χ^2/NDF:26.1/32

All: 1764.959+/-244.067 χ^2/NDF: 60.8/63



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1480.705+/-0.297 χ^2/NDF:2403.2/14

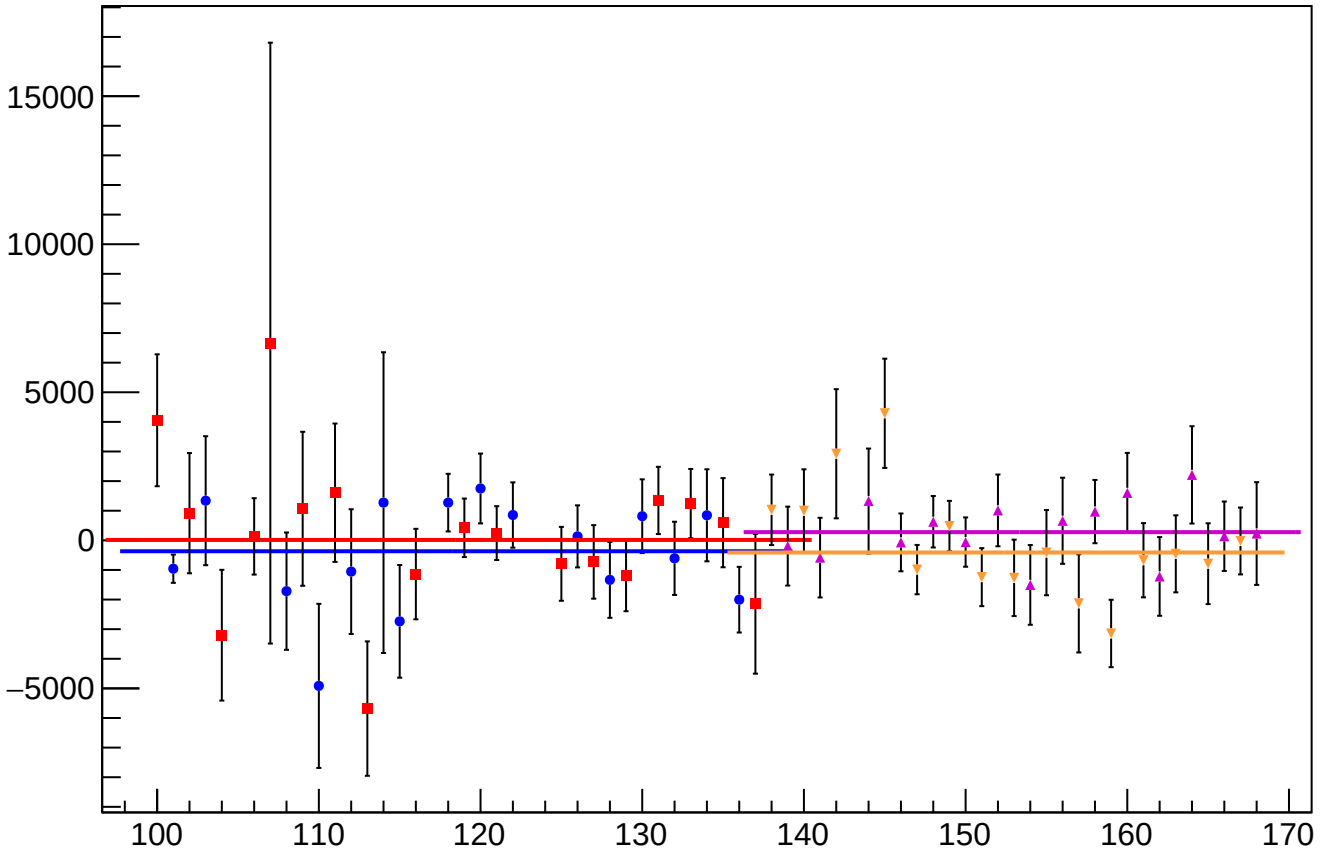
Left: 1480.294+/-0.213 χ^2/NDF: 3414.7/29

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1504.060+/-0.240 χ^2/NDF:140149.0/30

Out: 1528.103+/-0.248 χ^2/NDF:287232.9/32

All: 1515.703+/-0.173 χ^2/NDF: 432229.2/63



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -410.382+/-310.811 χ^2/NDF:21.1/14

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 276.501+/-310.419 χ^2/NDF:7.6/14

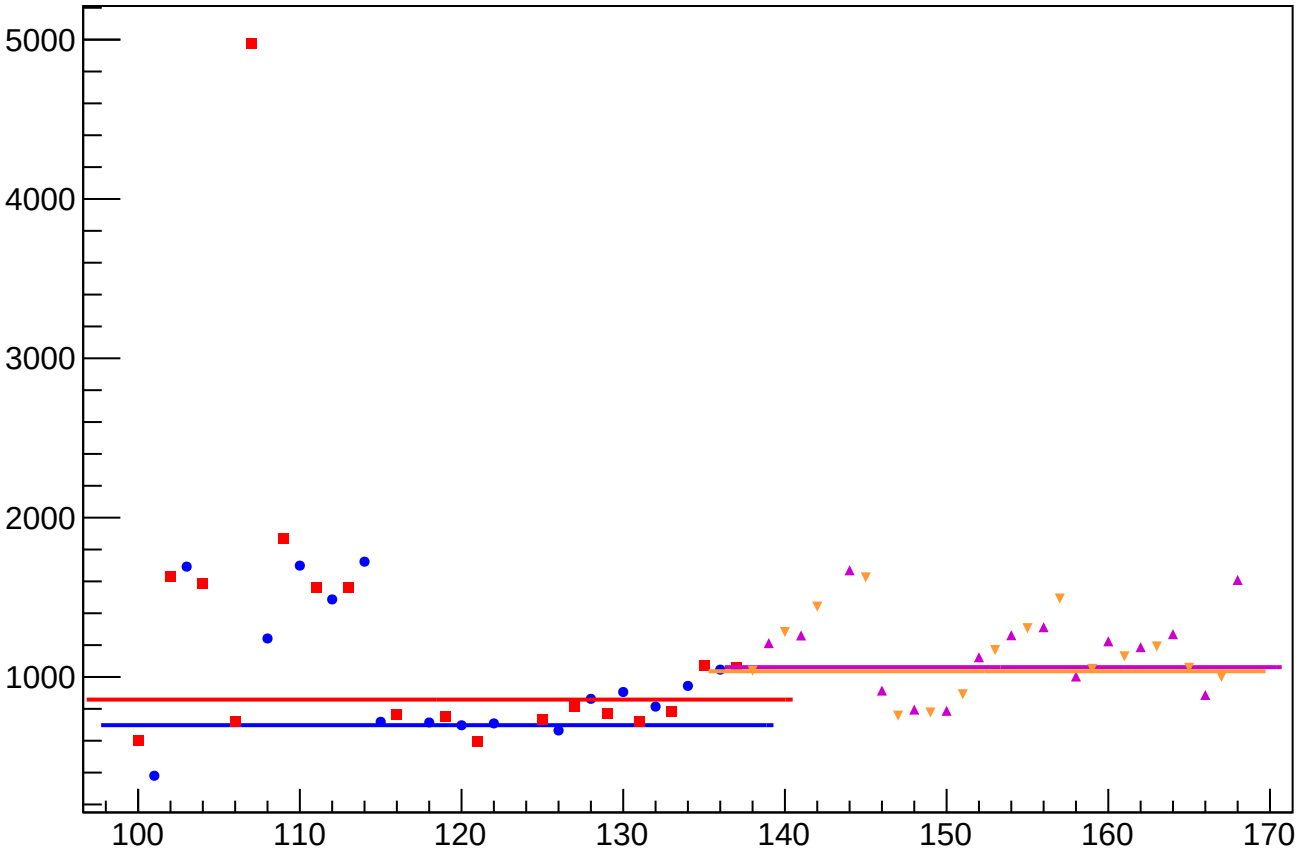
Left: -66.507+/-219.638 χ^2/NDF: 31.2/29

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -71.831+/-210.565 χ^2/NDF:28.8/30

Out: -218.278+/-229.883 χ^2/NDF:41.1/32

All: -138.643+/-155.273 χ^2/NDF: 70.1/63



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1035.931+/-0.220 χ^2/NDF:1072659.7/14

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1061.711+/-0.219 χ^2/NDF:1191698.7/14

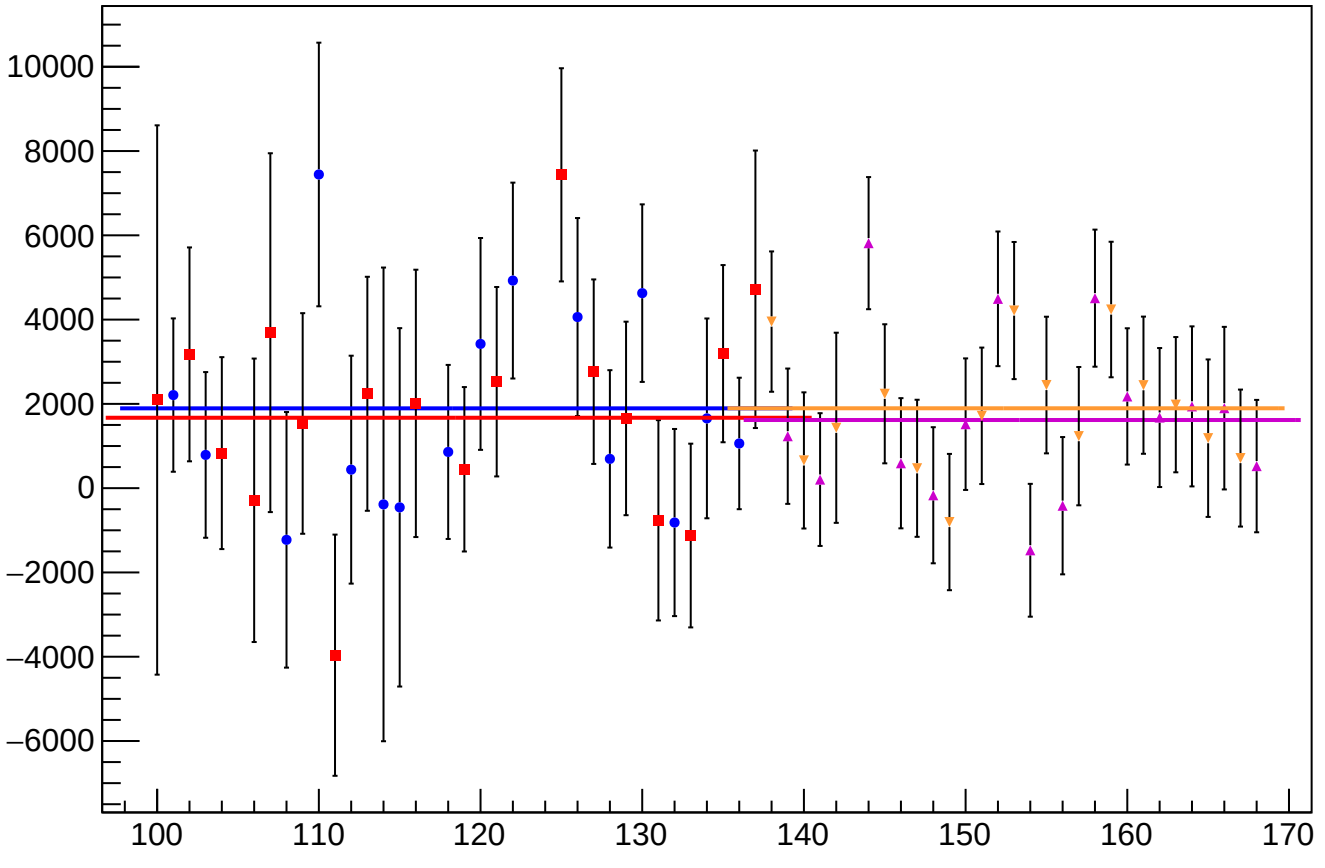
Left: 1048.837+/-0.155 χ^2/NDF: 2271247.0/29

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 865.092+/-0.149 χ^2/NDF:5113554.1/30

Out: 955.379+/-0.163 χ^2/NDF:3251398.0/32

All: 906.283+/-0.110 χ^2/NDF: 8532711.1/63



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1895.723+/-430.496 χ^2/NDF:11.0/14

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1617.307+/-420.299 χ^2/NDF:22.2/14

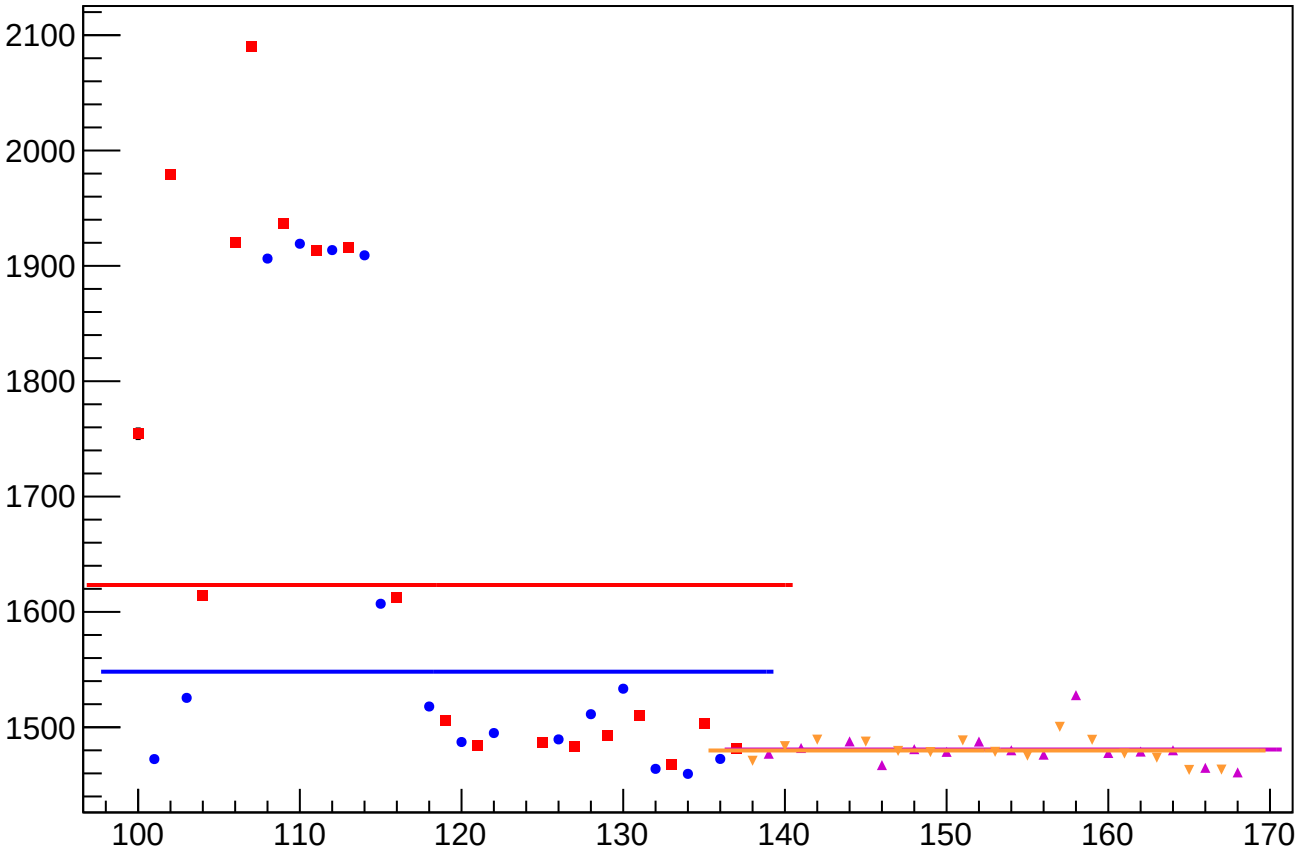
Left: 1753.179+/-300.737 χ^2/NDF: 33.4/29

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1713.147+/-339.854 χ^2/NDF:34.6/30

Out: 1820.136+/-350.728 χ^2/NDF:26.1/32

All: 1764.958+/-244.067 χ^2/NDF: 60.8/63



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.862+/-0.304 χ^2/NDF:1007.6/14

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.705+/-0.297 χ^2/NDF:2403.2/14

Left: 1480.294+/-0.213 χ^2/NDF: 3414.7/29

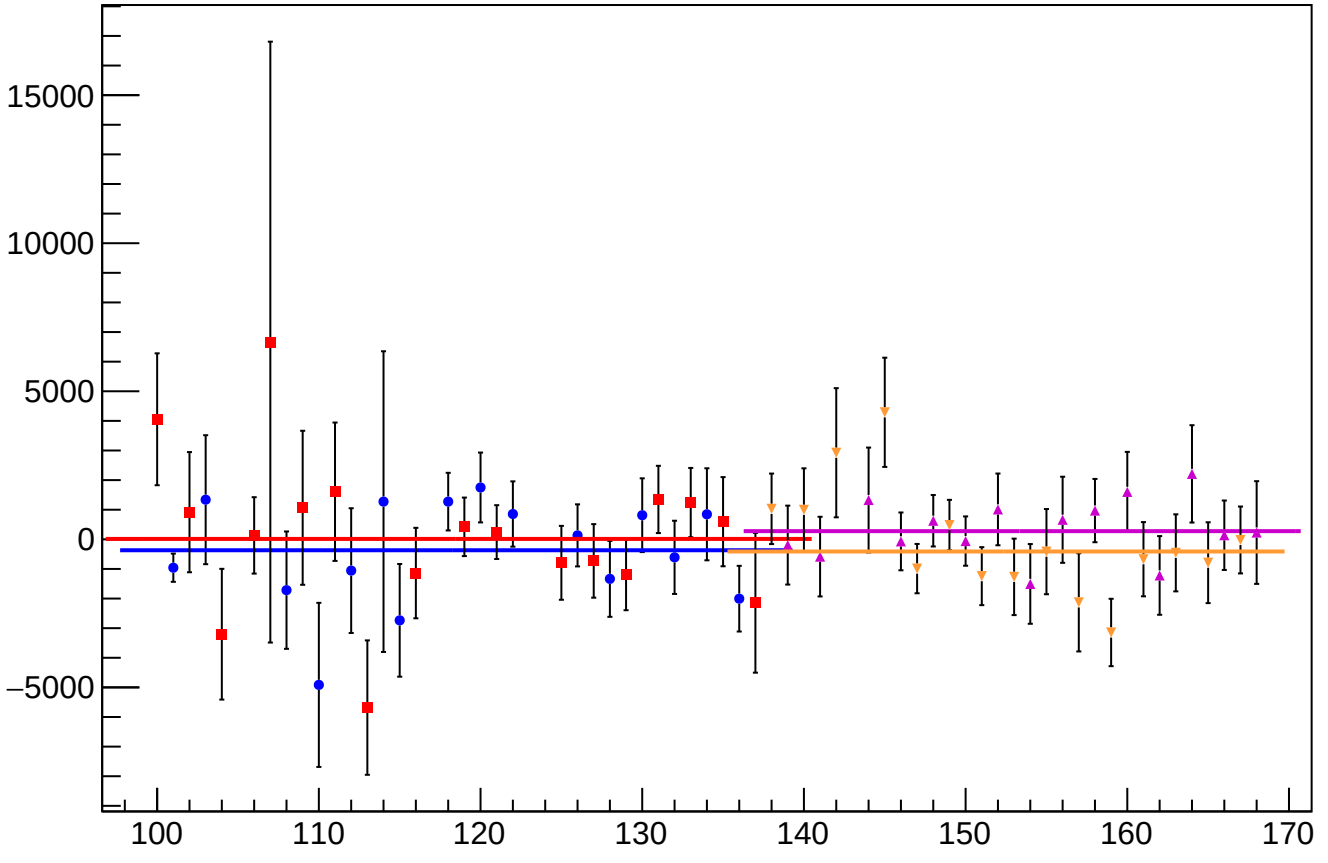
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1504.060+/-0.240 χ^2/NDF:140148.9/30

Out: 1528.103+/-0.248 χ^2/NDF:287232.4/32

All: 1515.703+/-0.173 χ^2/NDF: 432228.6/63

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -410.385+/-310.812 χ^2/NDF:21.1/14

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 276.501+/-310.419 χ^2/NDF:7.6/14

Left: -66.509+/-219.638 χ^2/NDF: 31.2/29

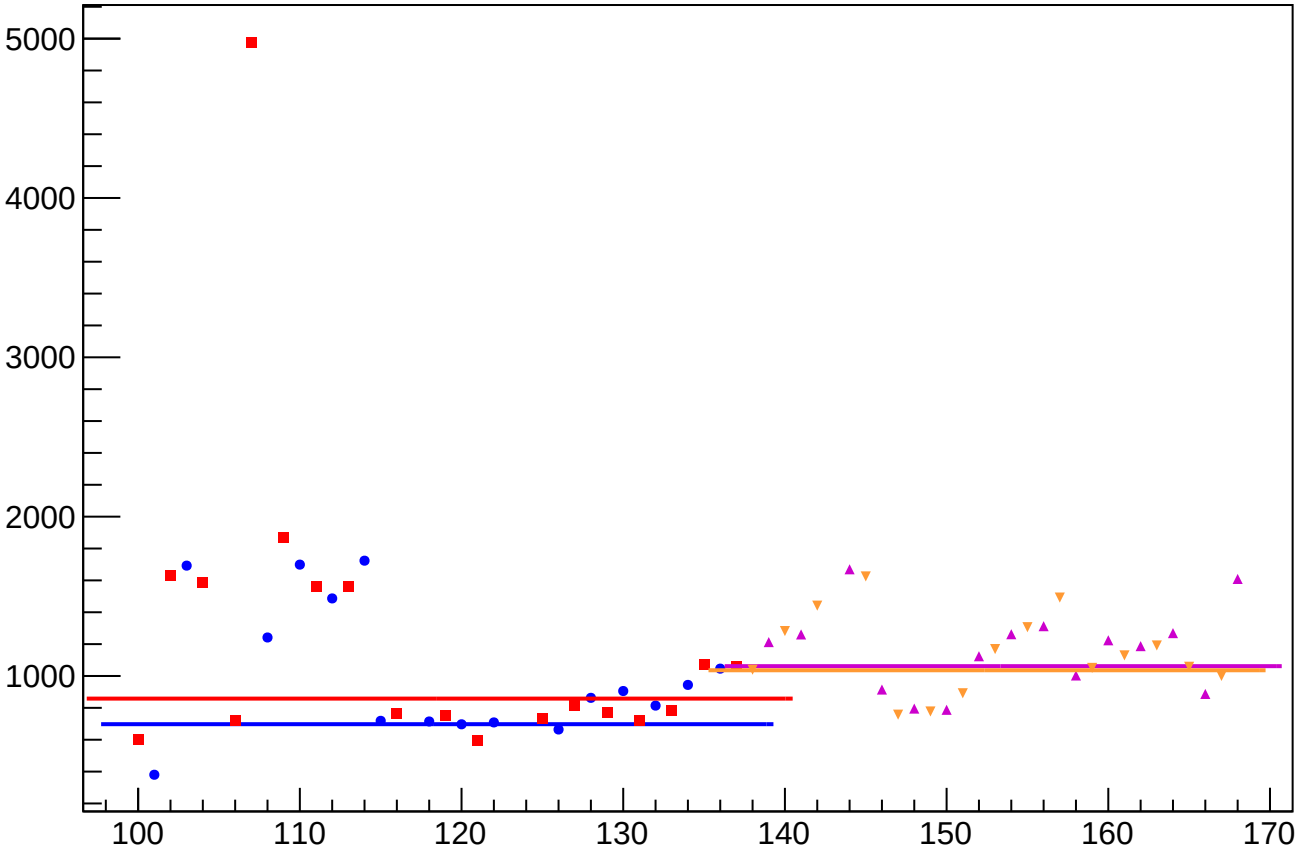
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -71.830+/-210.565 χ^2/NDF:28.8/30

Out: -218.278+/-229.883 χ^2/NDF:41.1/32

All: -138.644+/-155.273 χ^2/NDF: 70.1/63

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: 1035.933+/-0.220 χ^2/NDF:1072657.5/14

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1061.713+/-0.219 χ^2/NDF:1191694.6/14

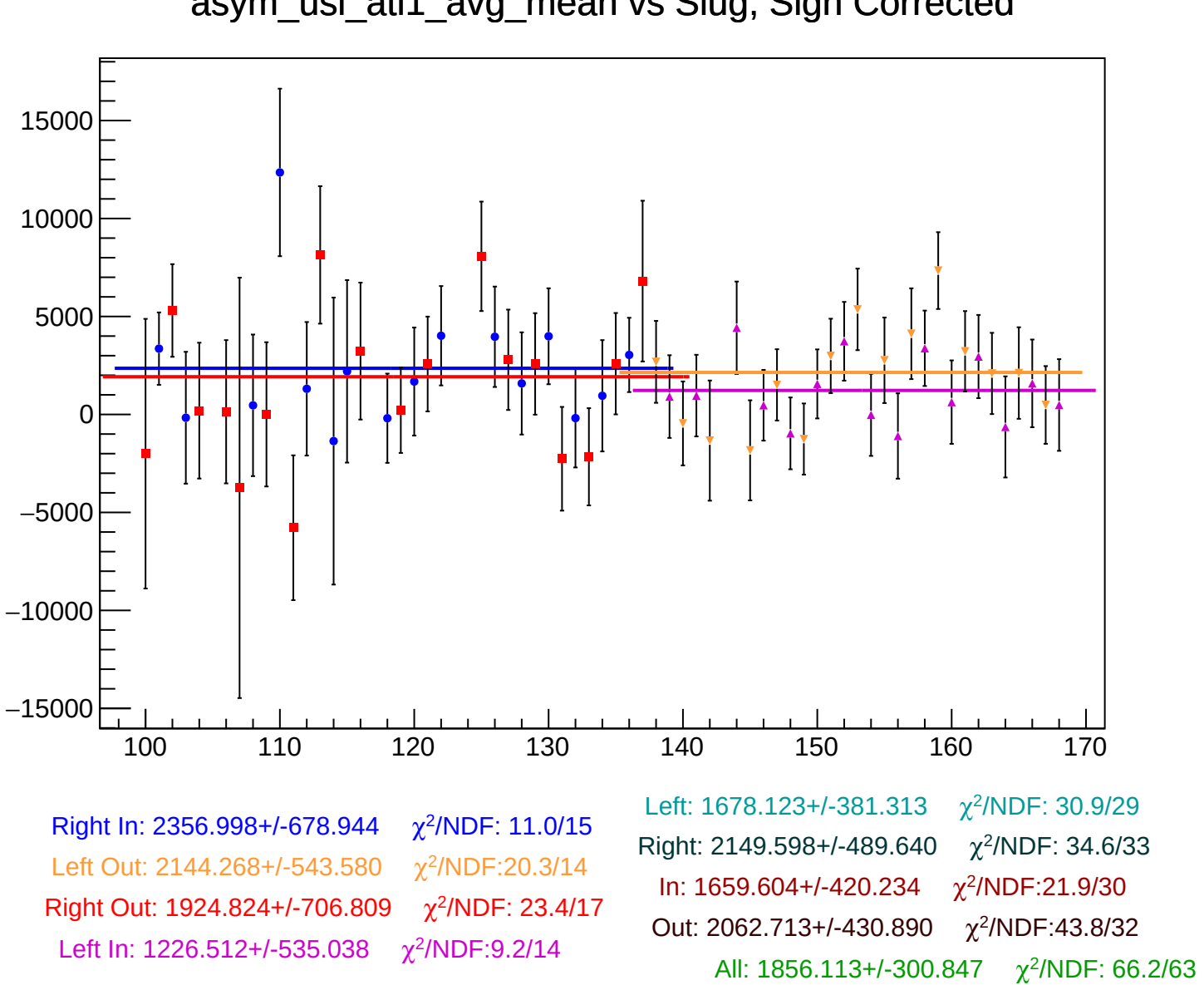
Left: 1048.839+/-0.155 χ^2/NDF: 2271240.7/29

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

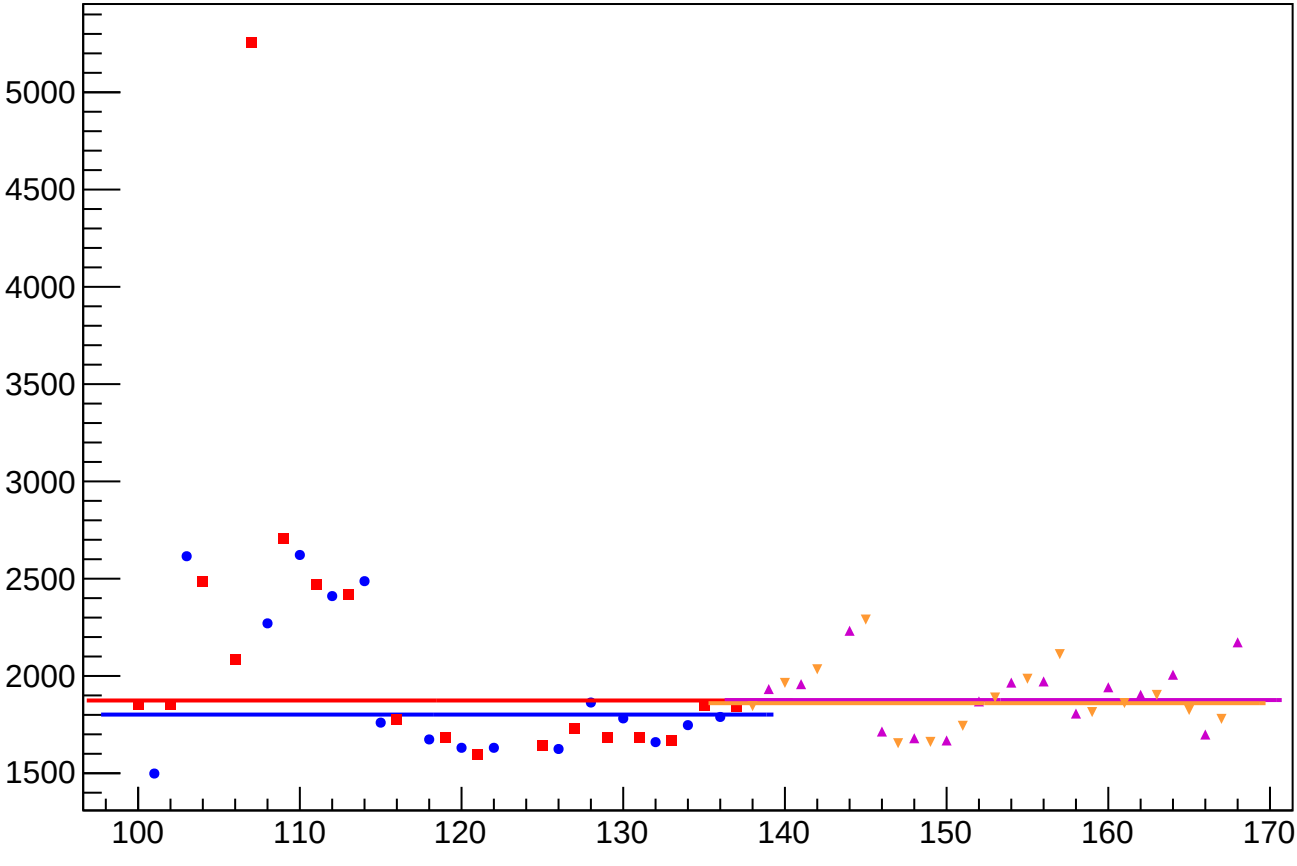
In: 865.093+/-0.149 χ^2/NDF:5113554.4/30

Out: 955.379+/-0.163 χ^2/NDF:3251416.4/32

All: 906.284+/-0.110 χ^2/NDF: 8532727.5/63


asym_usl_atl1_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 2356.998+/-678.944 χ²/NDF: 11.0/15
Left Out: 2144.268+/-543.580 χ²/NDF:20.3/14
Right Out: 1924.824+/-706.809 χ²/NDF: 23.4/17
Left In: 1226.512+/-535.038 χ²/NDF:9.2/14
Left: 1678.123+/-381.313 χ²/NDF: 30.9/29
Right: 2149.598+/-489.640 χ²/NDF: 34.6/33
In: 1659.604+/-420.234 χ²/NDF:21.9/30
Out: 2062.713+/-430.890 χ²/NDF:43.8/32
All: 1856.113+/-300.847 χ²/NDF: 66.2/63

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1860.075+/-0.384 χ^2/NDF:161394.7/14

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1876.158+/-0.378 χ^2/NDF:179120.4/14

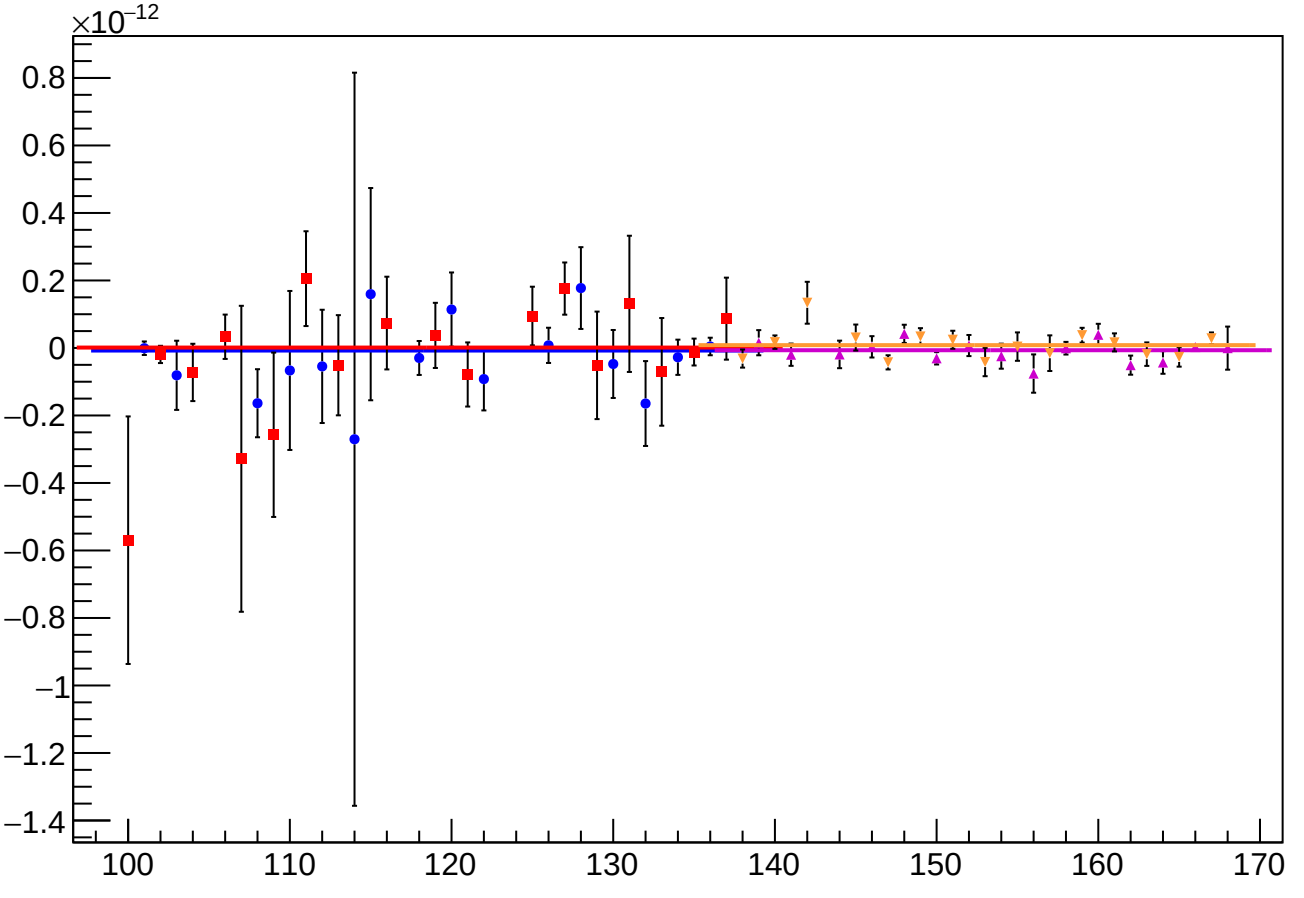
Left: 1868.244+/-0.270 χ^2/NDF: 341404.4/29

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1847.568+/-0.297 χ^2/NDF:594730.2/30

Out: 1865.241+/-0.305 χ^2/NDF:731789.8/32

All: 1856.183+/-0.213 χ^2/NDF: 1328244.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/14

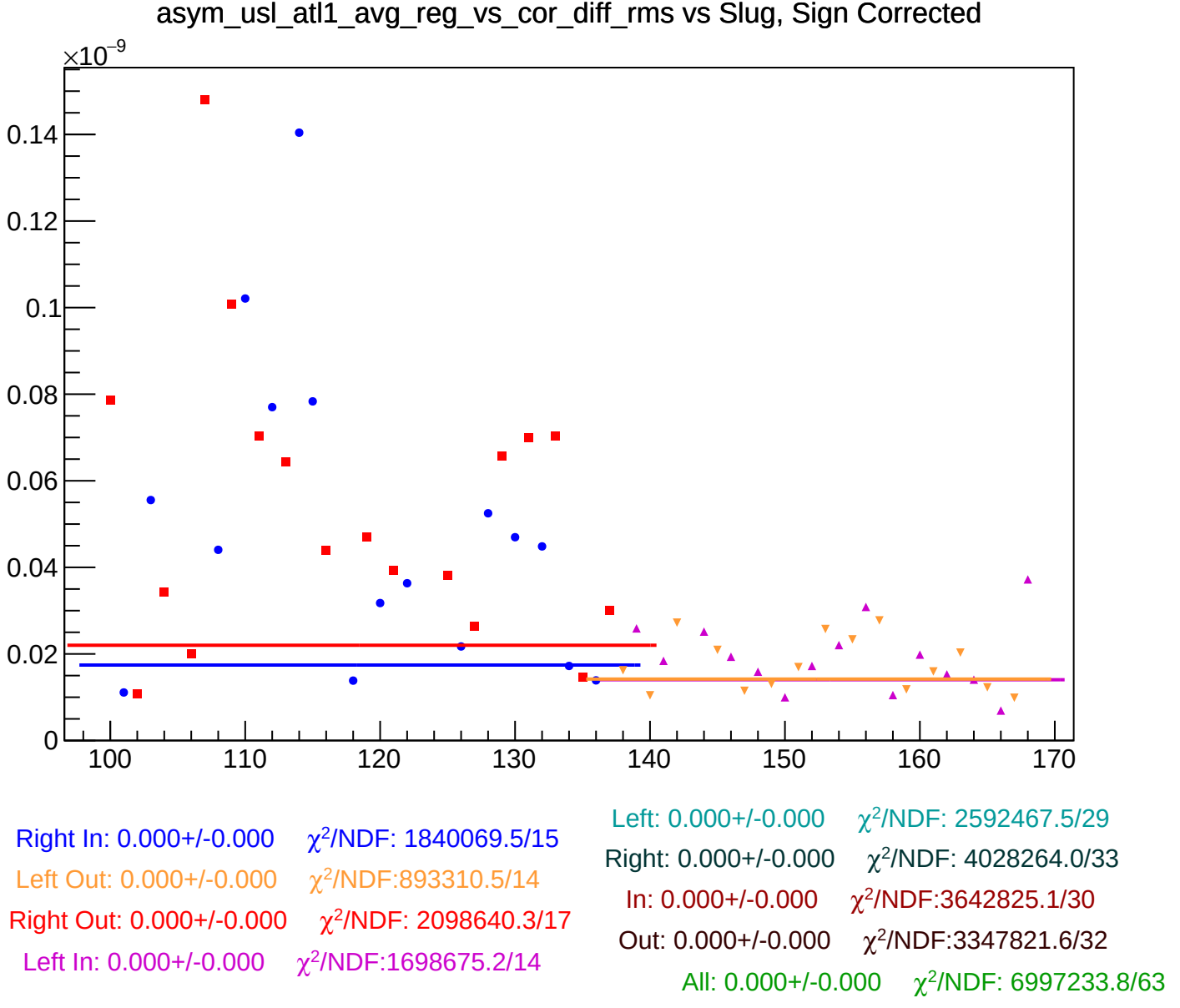
Left: 0.000+/-0.000 χ^2/NDF: 37.1/29

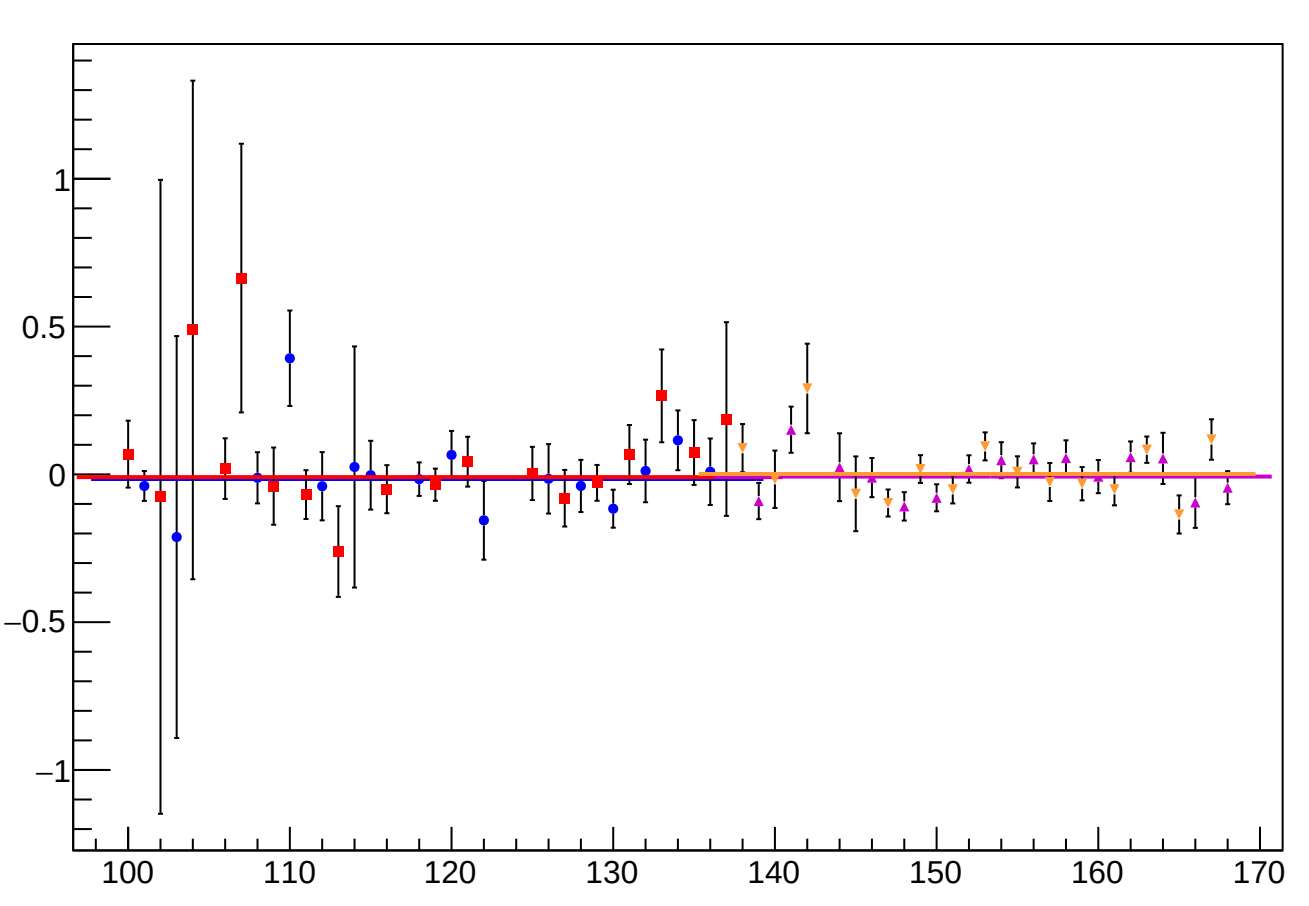
Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:23.9/30

Out: 0.000+/-0.000 χ^2/NDF:37.9/32

All: -0.000+/-0.000 χ^2/NDF: 64.4/63


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
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:893310.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1698675.2/14
Left: 0.000+/-0.000 χ²/NDF: 2592467.5/29
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:3642825.1/30
Out: 0.000+/-0.000 χ²/NDF:3347821.6/32
All: 0.000+/-0.000 χ²/NDF: 6997233.8/63



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.8/14

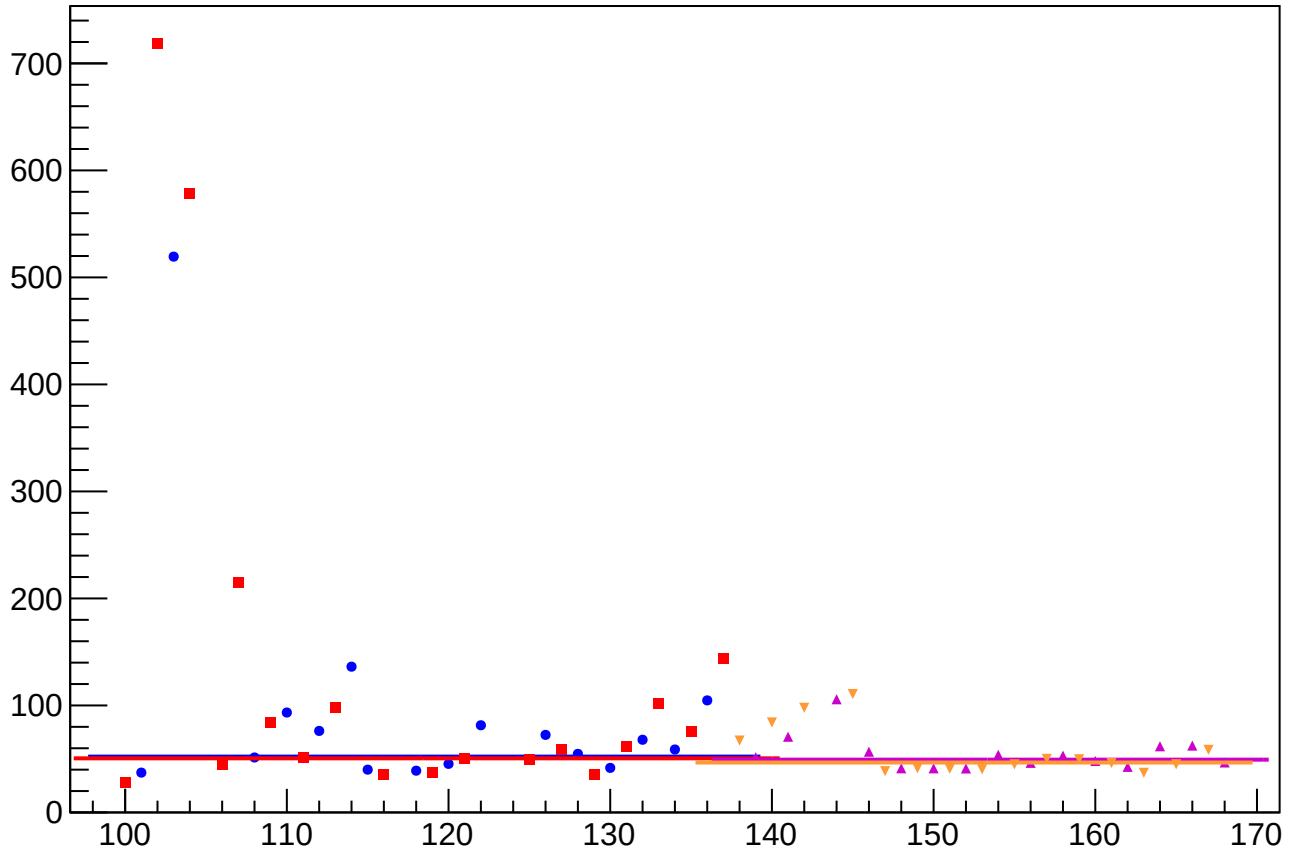
Left: -0.003+/-0.011 χ^2/NDF: 47.2/29

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.010+/-0.013 χ^2/NDF:33.1/30

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.006+/-0.009 χ^2/NDF: 73.1/63



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485495.3/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.336+/-0.011 χ^2/NDF:994760.7/14

Left: 47.982+/-0.008 χ^2/NDF: 2511125.1/29

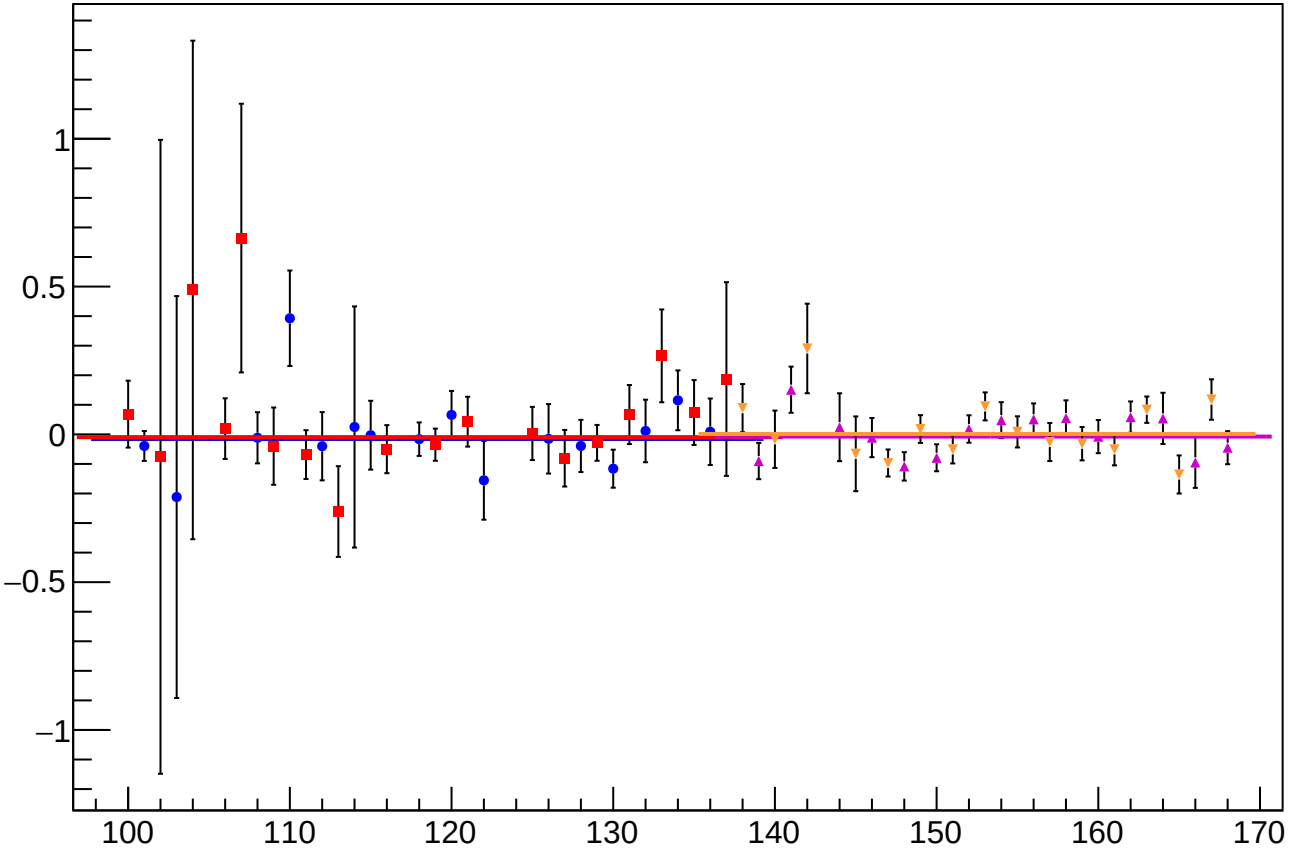
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.232+/-0.009 χ^2/NDF:3283503.3/30

Out: 47.802+/-0.009 χ^2/NDF:4575975.5/32

All: 49.020+/-0.006 χ^2/NDF: 7896085.1/63

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: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.8/14

Left: -0.003+/-0.011 χ^2/NDF: 47.2/29

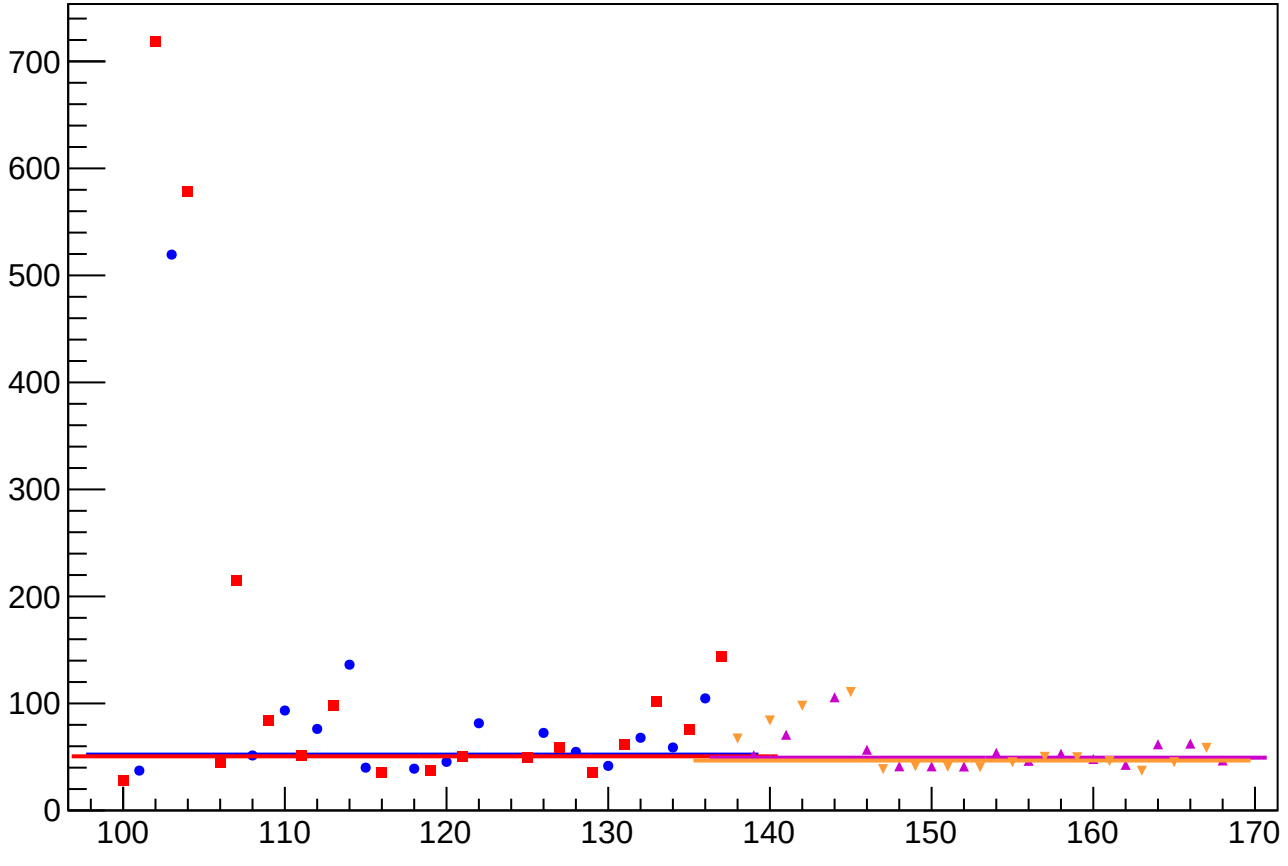
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.010+/-0.013 χ^2/NDF:33.1/30

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.006+/-0.009 χ^2/NDF: 73.1/63

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485495.3/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.336+/-0.011 χ^2/NDF:994760.7/14

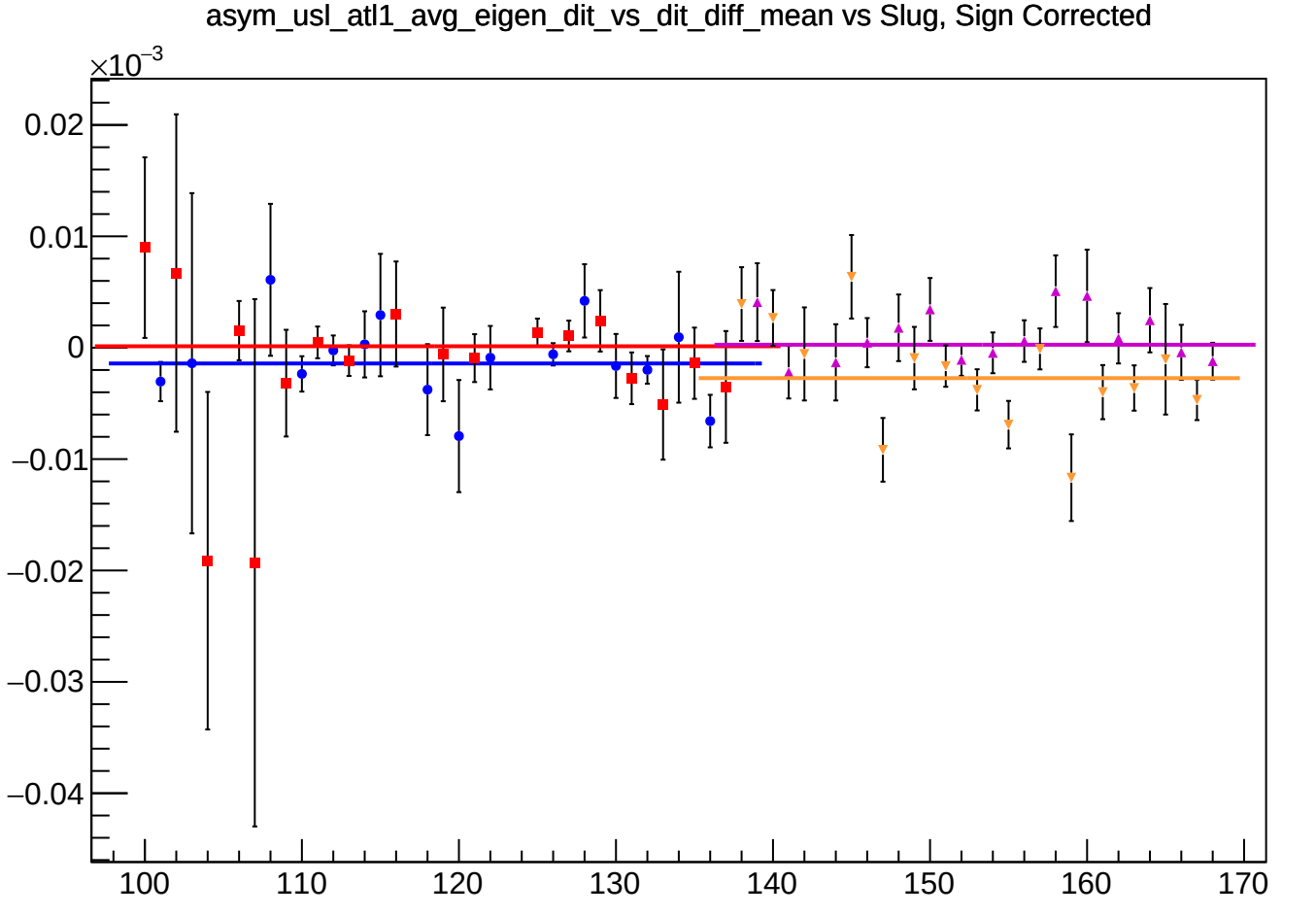
Left: 47.982+/-0.008 χ^2/NDF: 2511125.1/29

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.232+/-0.009 χ^2/NDF:3283503.3/30

Out: 47.802+/-0.009 χ^2/NDF:4575975.5/32

All: 49.020+/-0.006 χ^2/NDF: 7896085.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/14

Left: -0.000+/-0.000 χ^2/NDF: 56.0/29

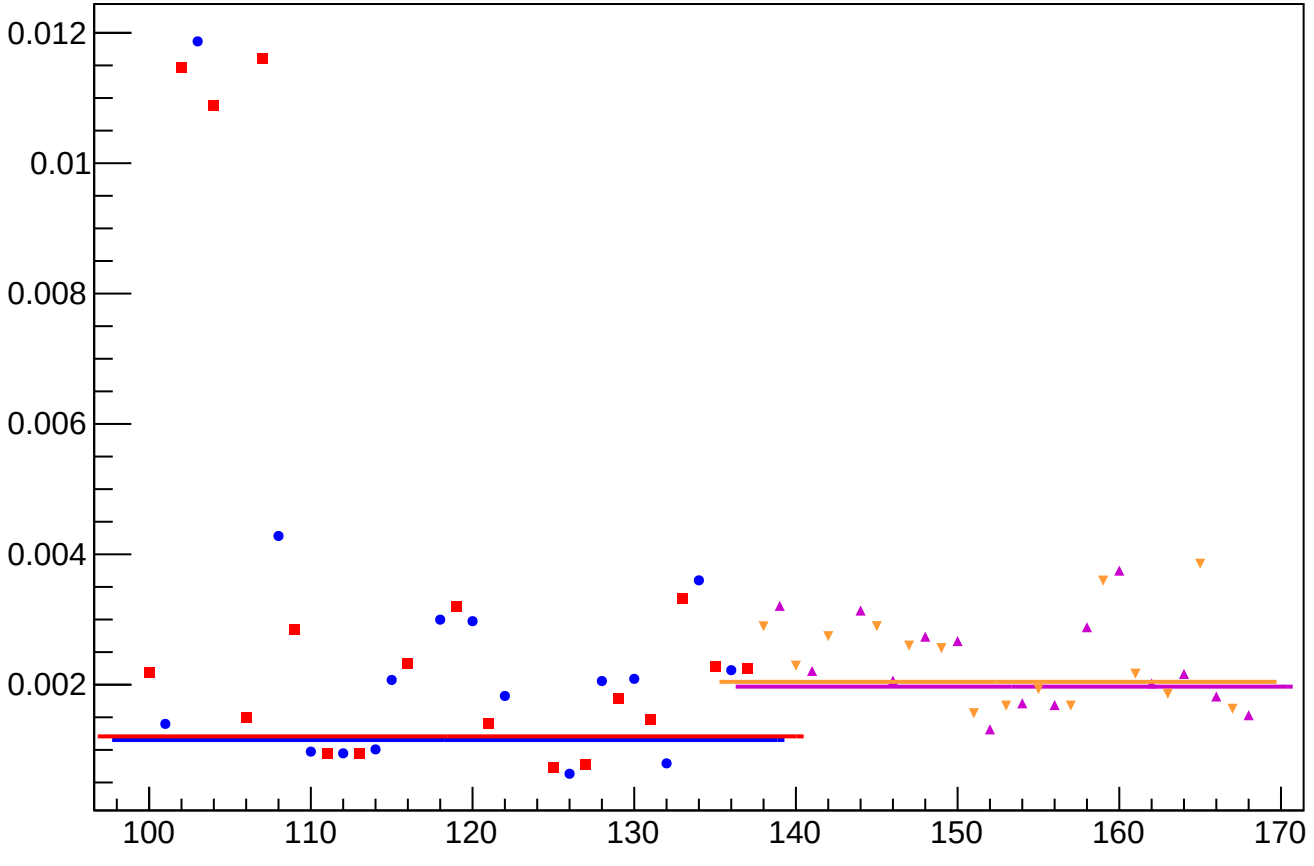
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:29.5/30

Out: -0.000+/-0.000 χ^2/NDF:57.1/32

All: -0.000+/-0.000 χ^2/NDF: 87.3/63

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:1463450.1/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1952572.6/14

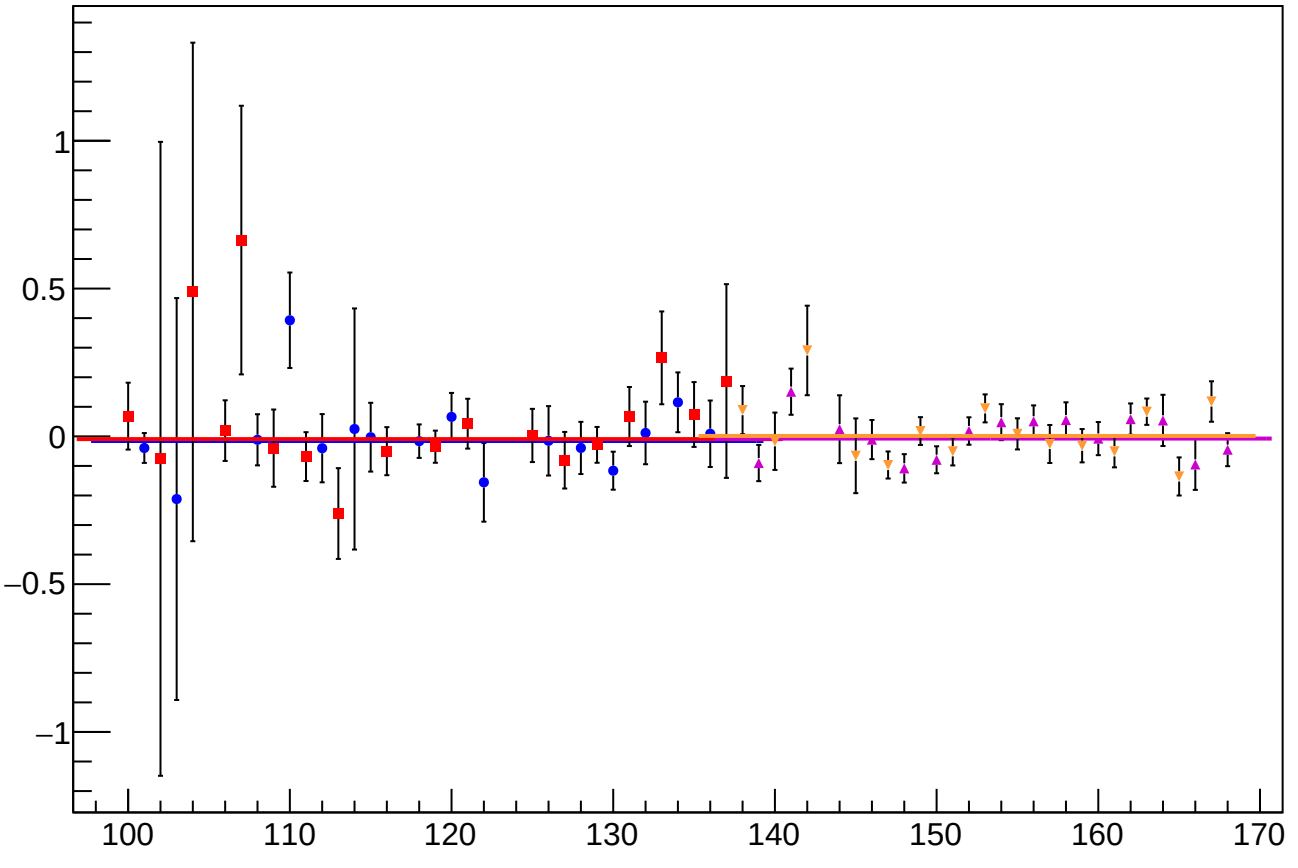
Left: 0.002+/-0.000 χ^2/NDF: 3430679.2/29

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.002+/-0.000 χ^2/NDF:8315880.3/30

Out: 0.002+/-0.000 χ^2/NDF:7978665.8/32

All: 0.002+/-0.000 χ^2/NDF: 16324870.7/63



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.8/14

Left: -0.003+/-0.011 χ^2/NDF: 47.2/29

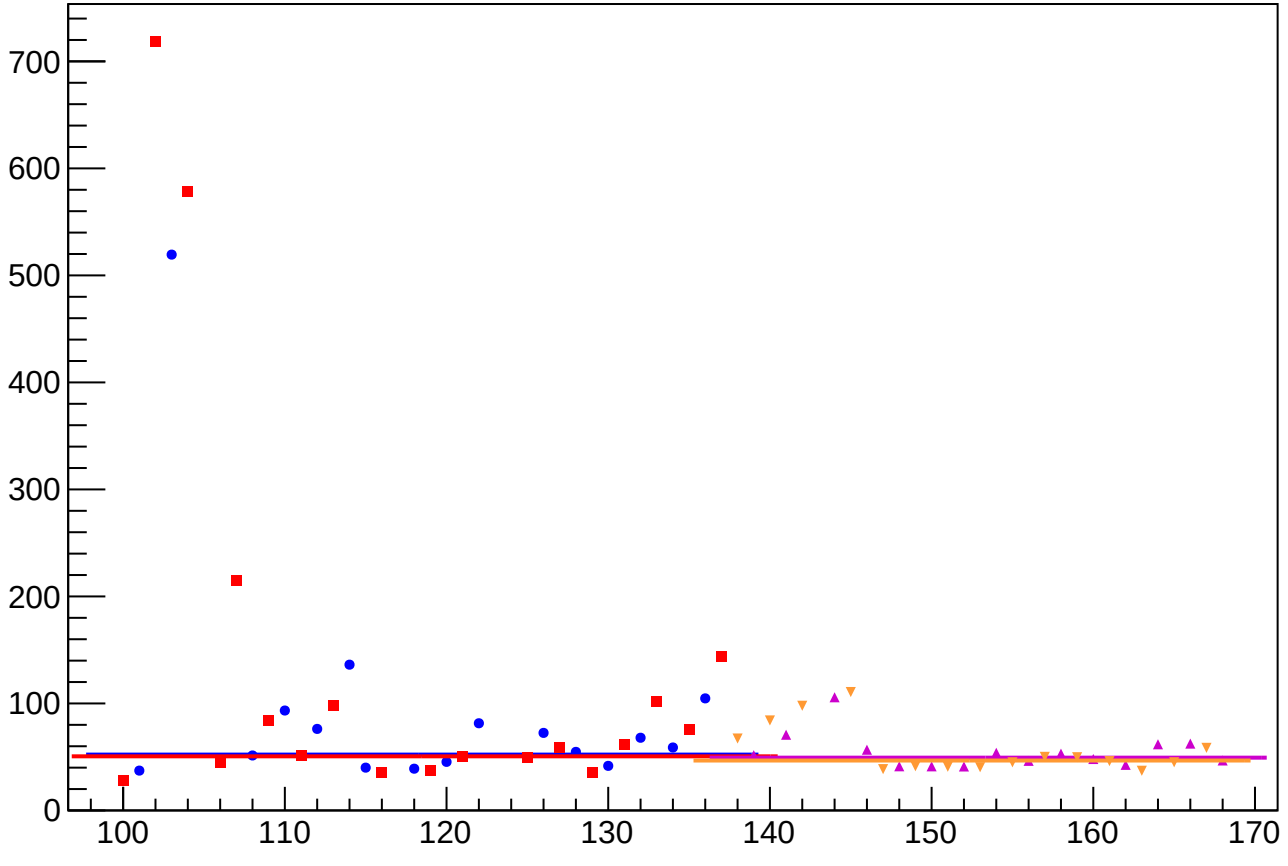
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.010+/-0.013 χ^2/NDF:33.1/30

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.006+/-0.009 χ^2/NDF: 73.1/63

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485482.6/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.336+/-0.011 χ^2/NDF:994766.9/14

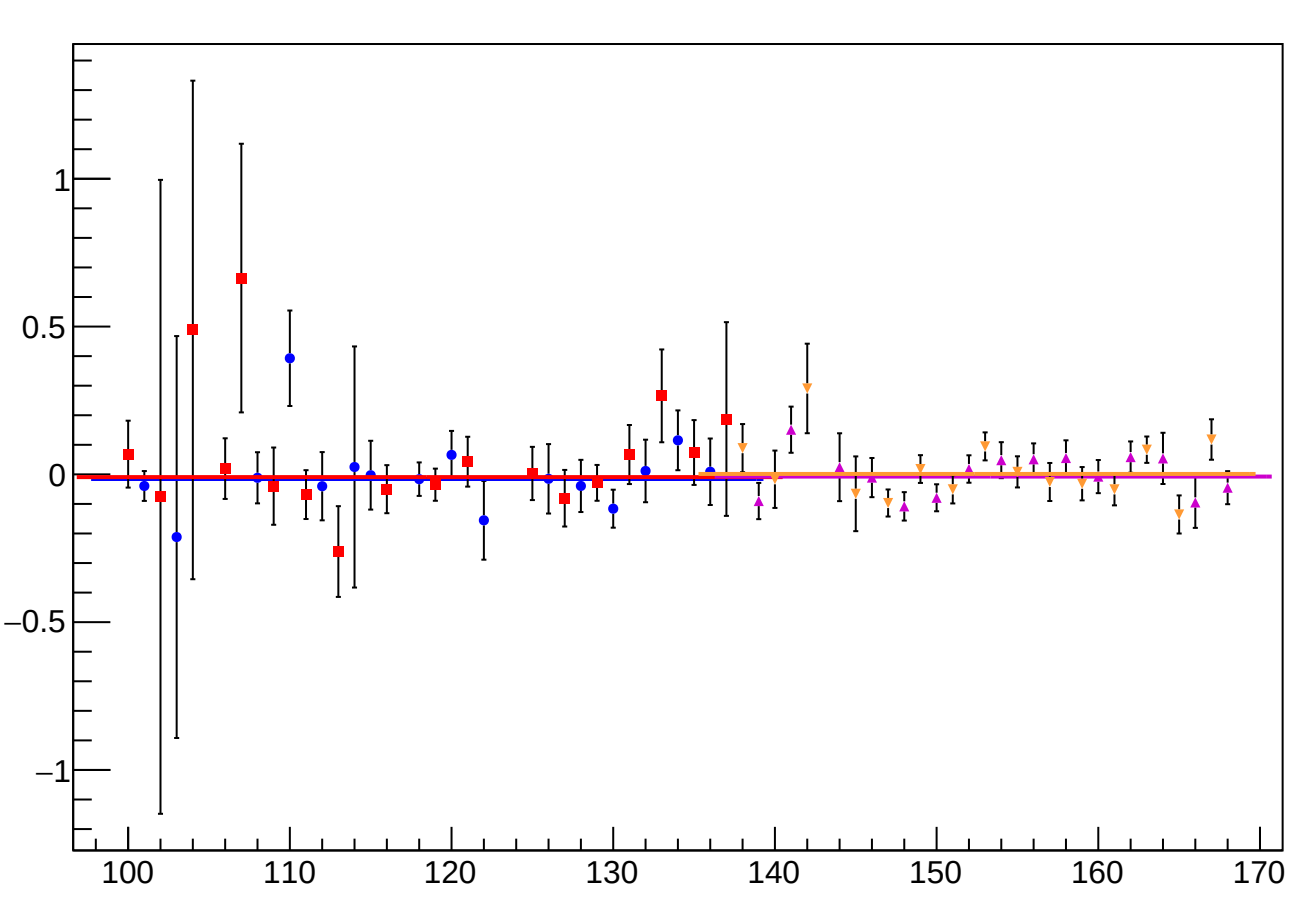
Left: 47.982+/-0.008 χ^2/NDF: 2511114.9/29

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.232+/-0.009 χ^2/NDF:3283501.3/30

Out: 47.802+/-0.009 χ^2/NDF:4575939.2/32

All: 49.020+/-0.006 χ^2/NDF: 7896044.1/63



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.015 χ^2/NDF:27.2/14

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.8/14

Left: -0.003+/-0.011 χ^2/NDF: 47.2/29

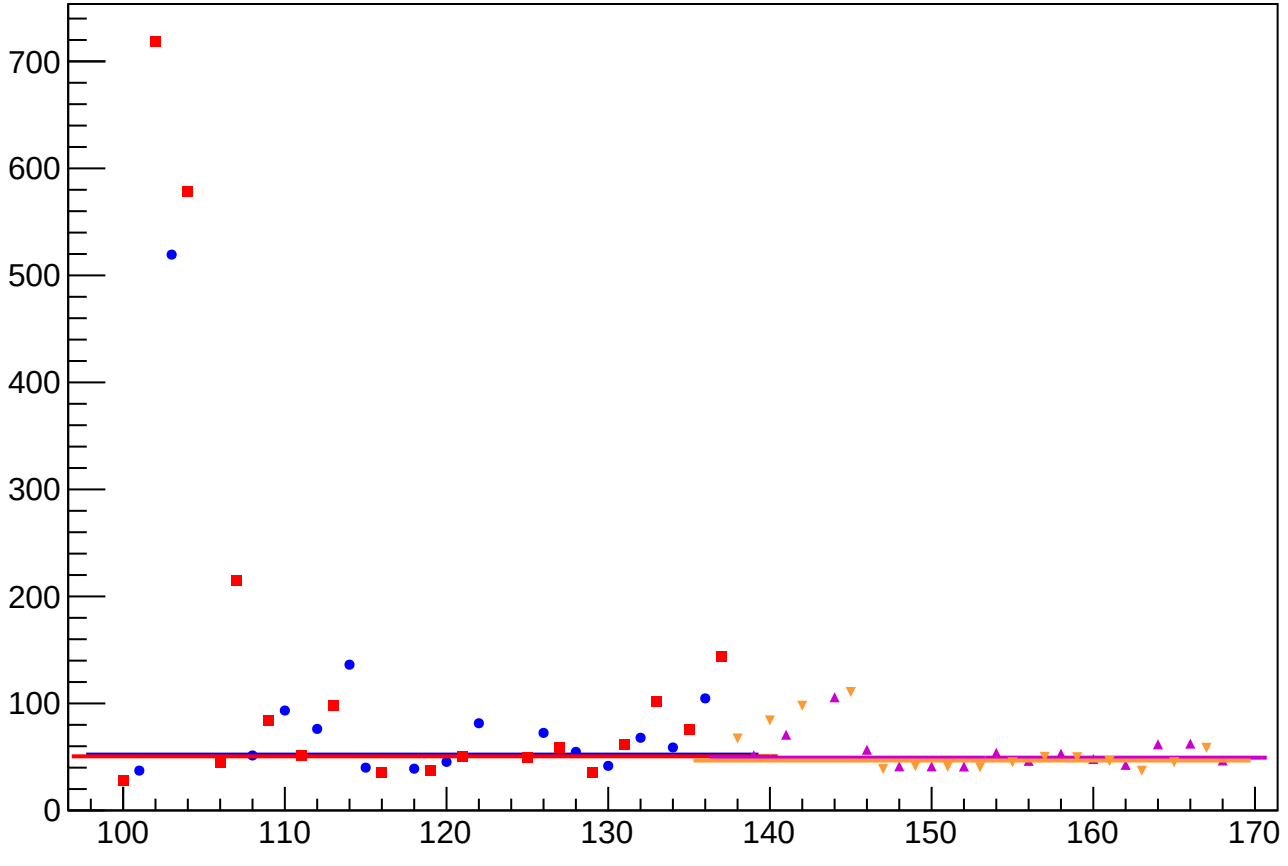
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.010+/-0.013 χ^2/NDF:33.1/30

Out: -0.002+/-0.013 χ^2/NDF:39.8/32

All: -0.006+/-0.009 χ^2/NDF: 73.1/63

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.666+/-0.011 χ^2/NDF:1485482.6/14

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.336+/-0.011 χ^2/NDF:994766.9/14

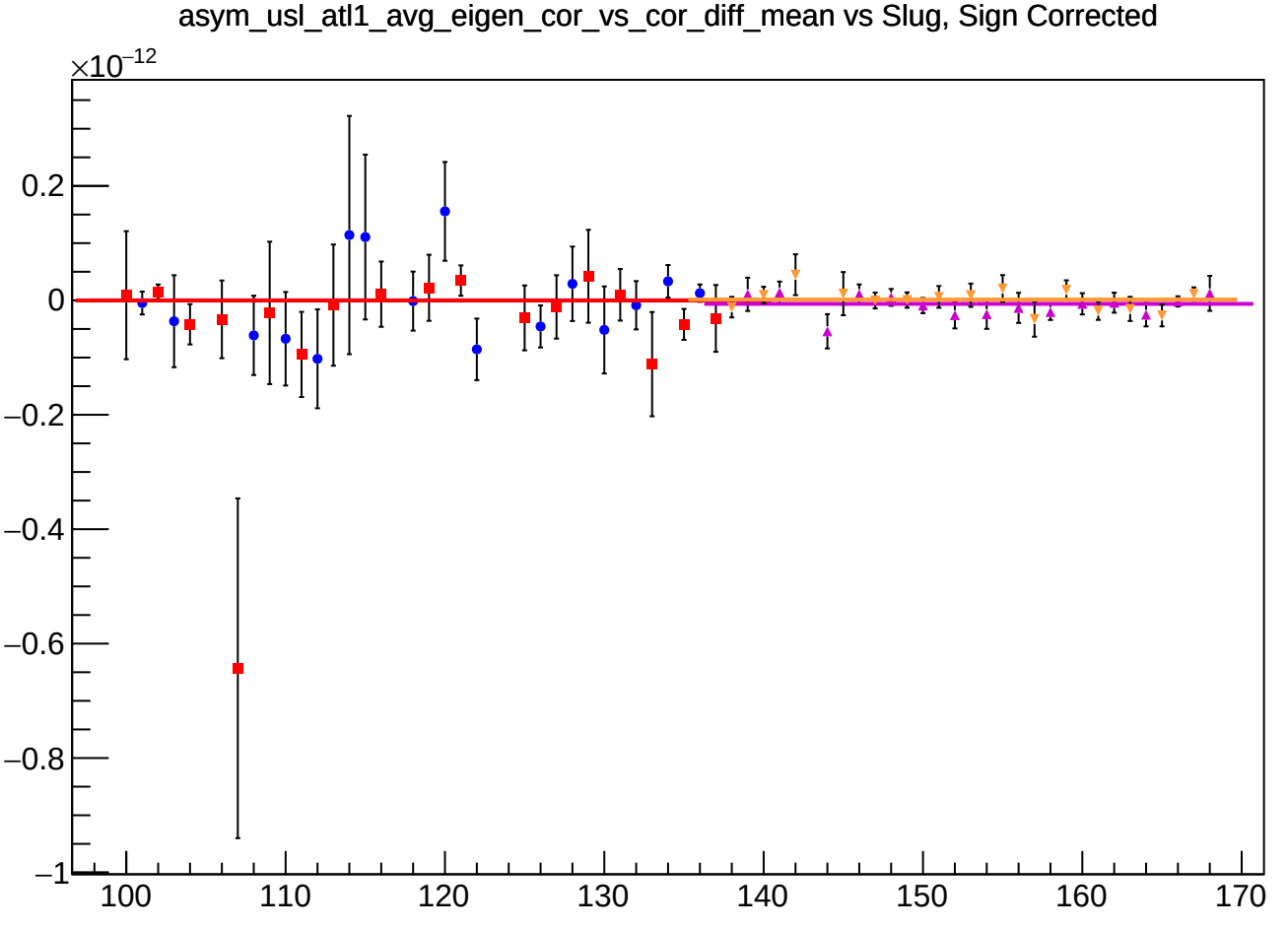
Left: 47.982+/-0.008 χ^2/NDF: 2511114.9/29

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.232+/-0.009 χ^2/NDF:3283501.3/30

Out: 47.802+/-0.009 χ^2/NDF:4575939.2/32

All: 49.020+/-0.006 χ^2/NDF: 7896044.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:9.3/14

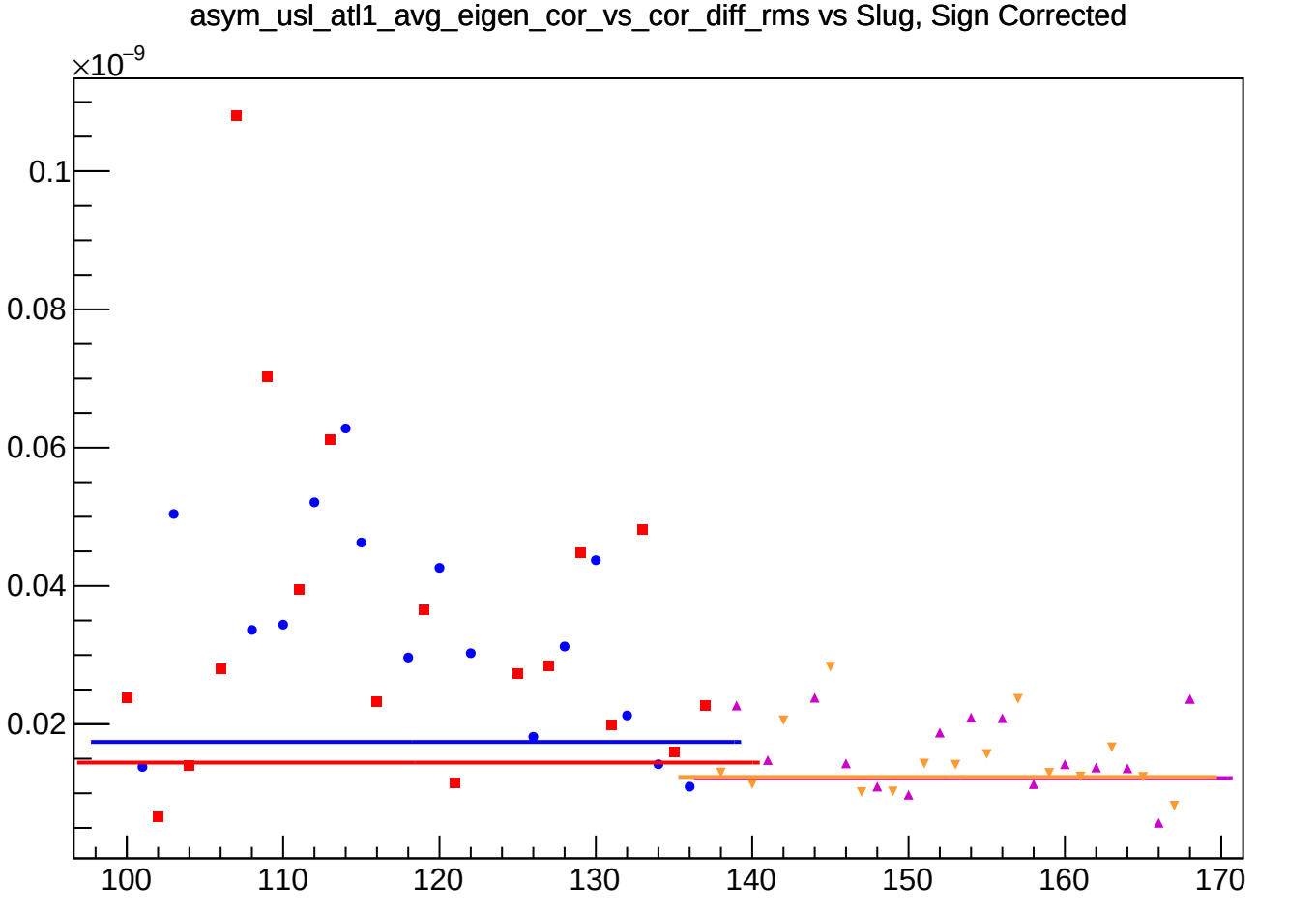
Left: -0.000+/-0.000 χ^2/NDF: 21.2/29

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

In: -0.000+/-0.000 χ^2/NDF:23.7/30

Out: 0.000+/-0.000 χ^2/NDF:26.5/32

All: -0.000+/-0.000 χ^2/NDF: 51.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262226.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2696626.3/14

Left: 0.000+/-0.000 χ^2/NDF: 3960136.8/29

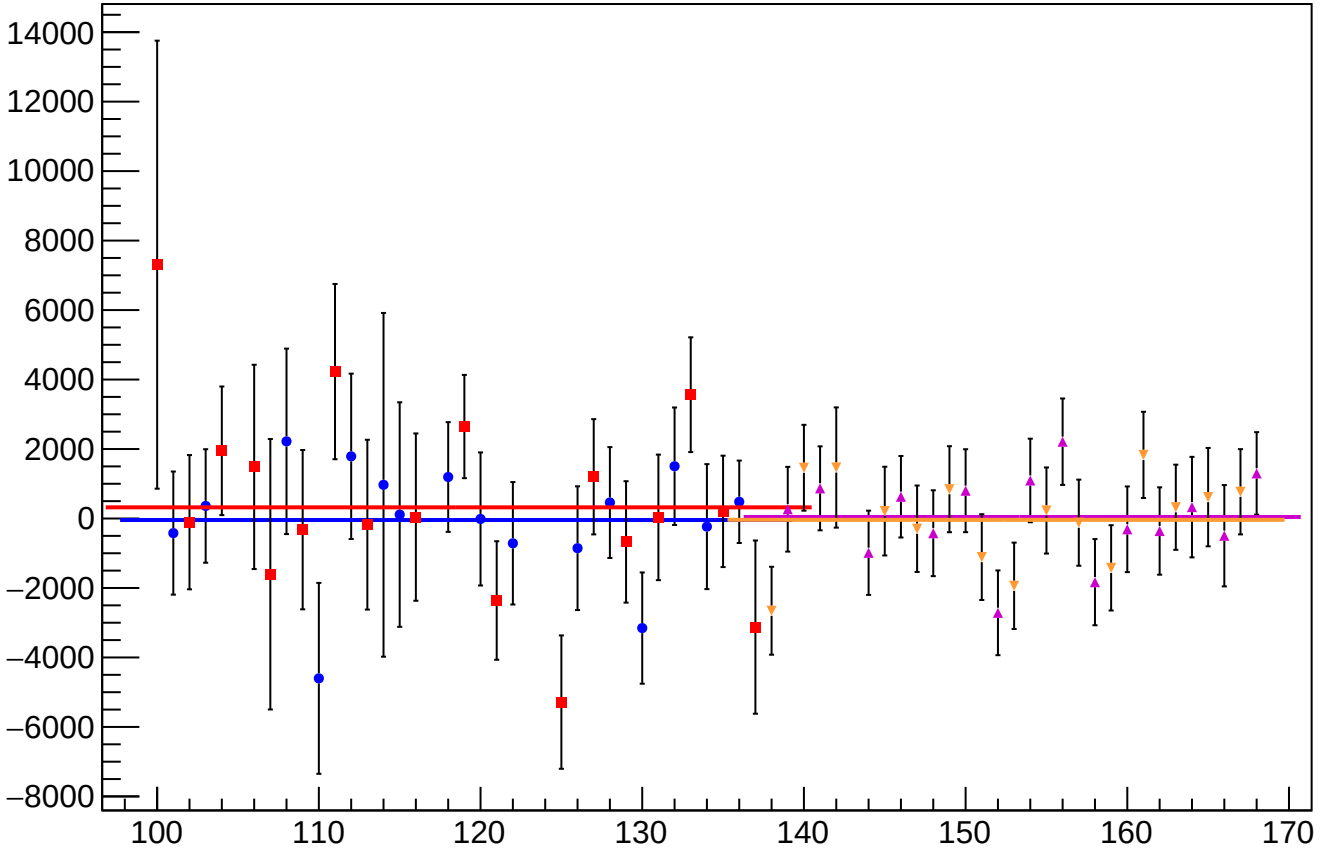
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5426573.6/30

Out: 0.000+/-0.000 χ^2/NDF:4608856.8/32

All: 0.000+/-0.000 χ^2/NDF: 10043689.9/63

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.925+/-328.425 χ^2/NDF:14.5/14

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 43.501+/-320.621 χ^2/NDF:14.7/14

Left: 3.767+/-229.423 χ^2/NDF: 29.2/29

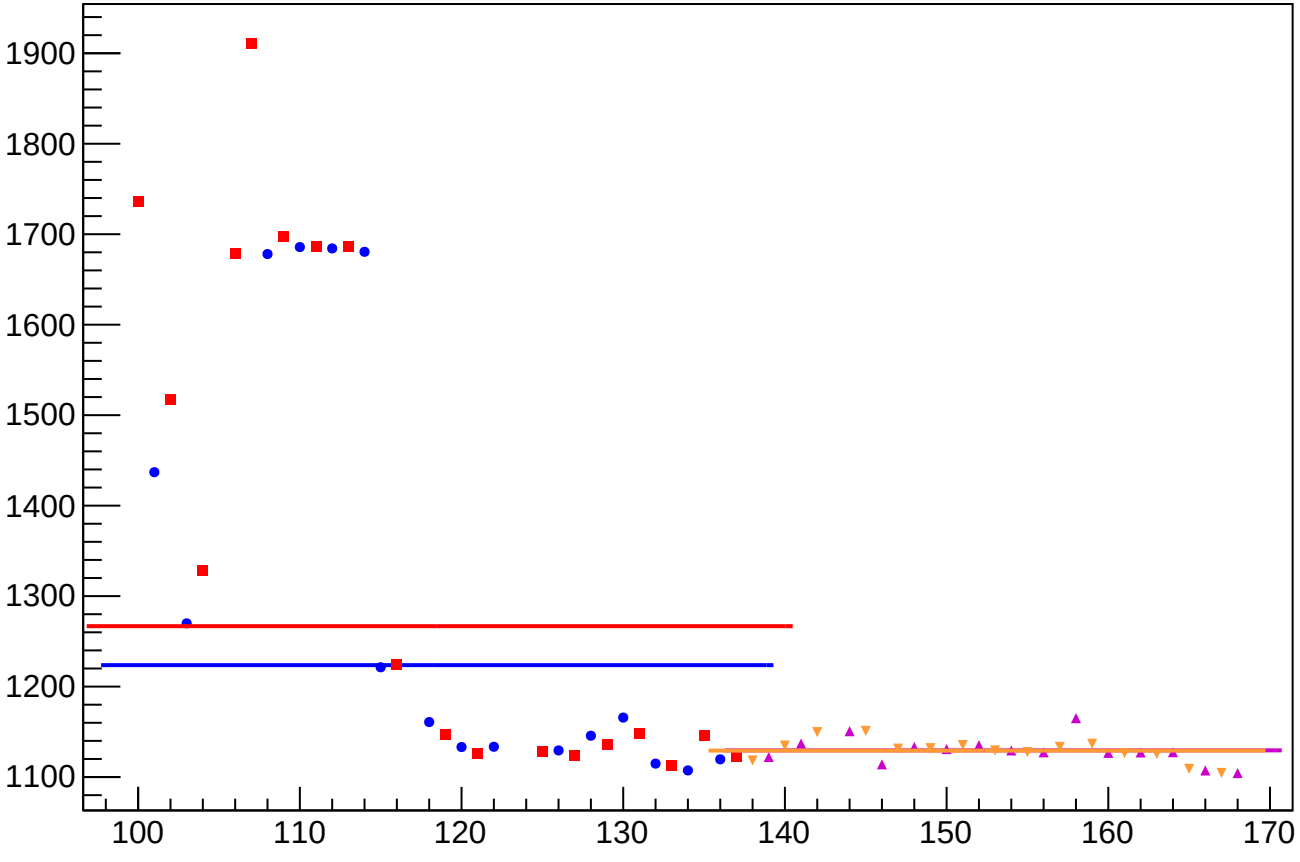
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 14.930+/-262.887 χ^2/NDF:24.8/30

Out: 78.271+/-270.129 χ^2/NDF:39.7/32

All: 45.740+/-188.398 χ^2/NDF: 64.5/63

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

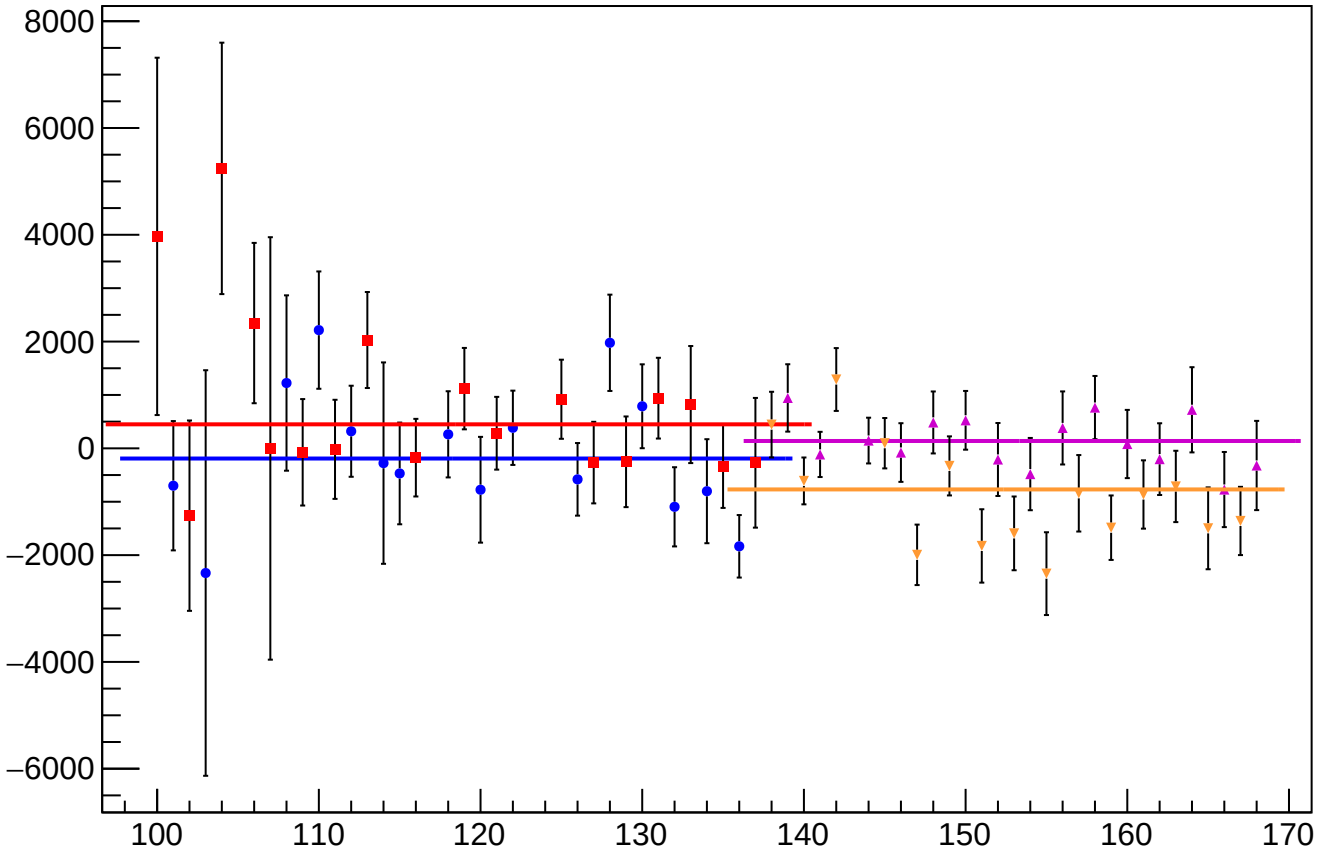
Left: 1129.386+/-0.162 χ^2/NDF: 6657.9/29

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1160.386+/-0.186 χ^2/NDF:355722.0/30

Out: 1173.736+/-0.191 χ^2/NDF:548768.4/32

All: 1166.880+/-0.133 χ^2/NDF: 906999.0/63



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -769.382+/-156.147 χ^2/NDF:36.1/14

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 137.805+/-154.066 χ^2/NDF:8.1/14

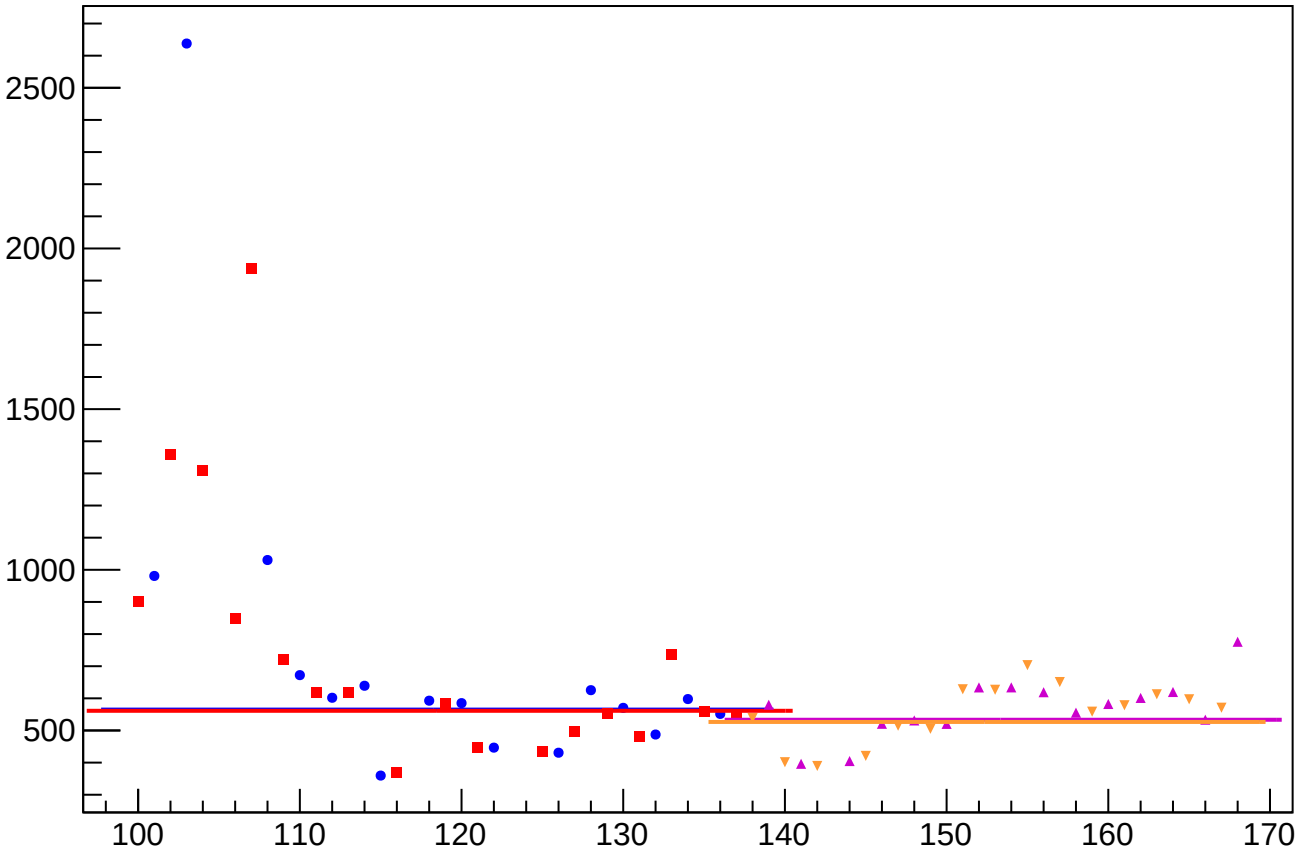
Left: -309.701+/-109.669 χ^2/NDF: 61.3/29

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 31.604+/-126.732 χ^2/NDF:34.8/30

Out: -368.753+/-127.946 χ^2/NDF:72.9/32

All: -166.666+/-90.039 χ^2/NDF: 112.7/63



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 526.558+/-0.110 χ^2/NDF:704993.4/14

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 533.337+/-0.109 χ^2/NDF:748883.6/14

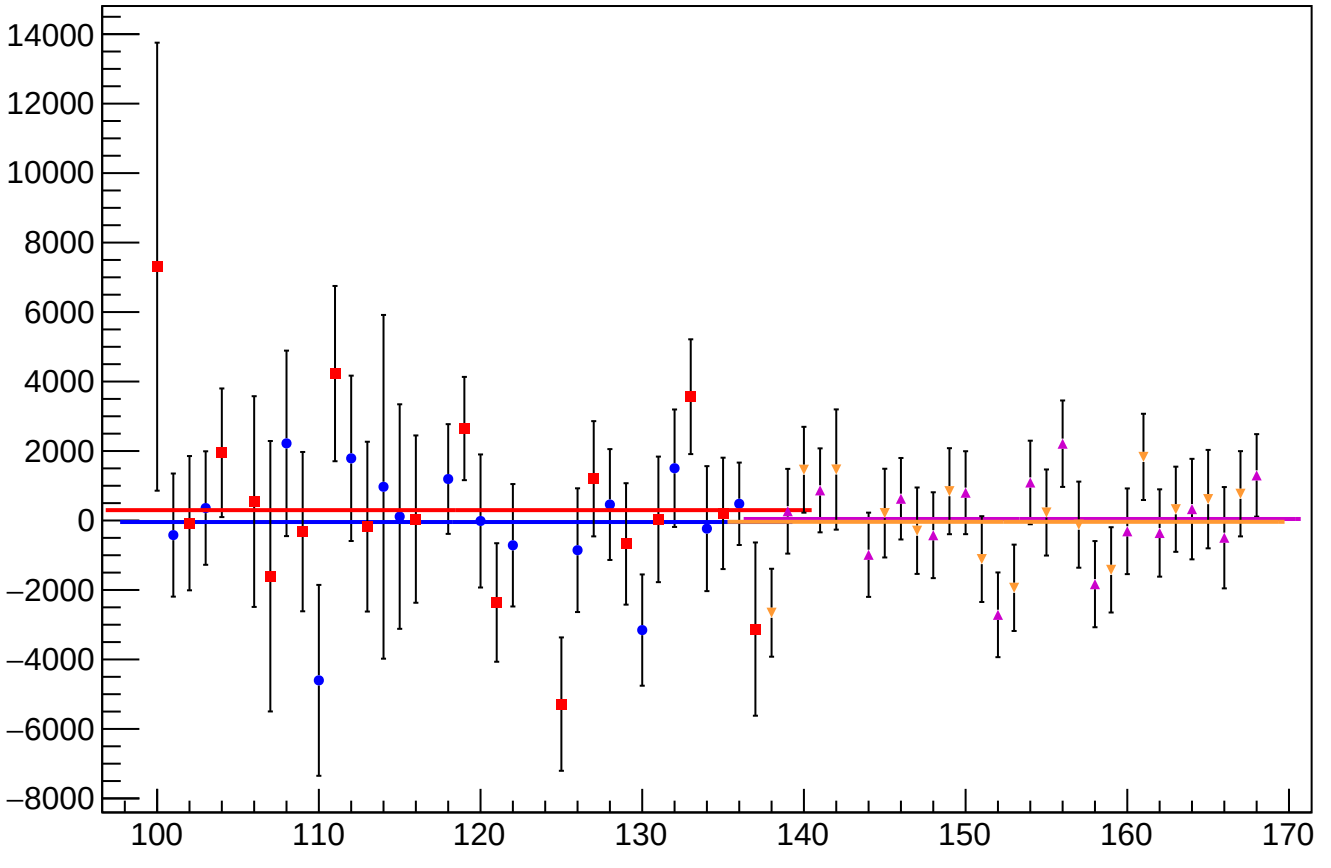
Left: 529.993+/-0.078 χ^2/NDF: 1455787.5/29

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 543.562+/-0.090 χ^2/NDF:2060605.6/30

Out: 537.955+/-0.090 χ^2/NDF:2089660.8/32

All: 540.785+/-0.064 χ^2/NDF: 4152205.3/63



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 43.523+/-320.621 χ^2/NDF:14.7/14

Left: 3.799+/-229.423 χ^2/NDF: 29.2/29

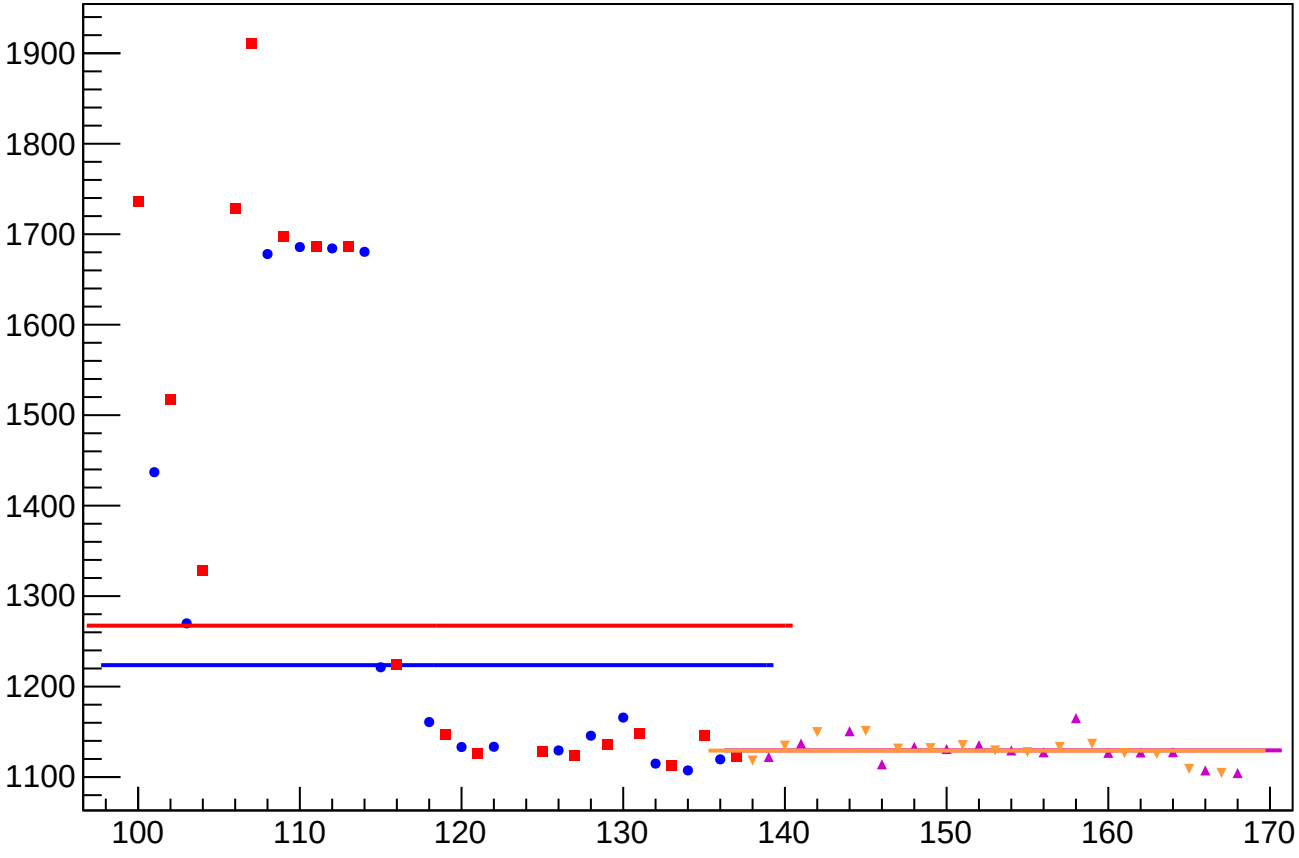
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 14.866+/-262.887 χ^2/NDF:24.8/30

Out: 70.724+/-270.198 χ^2/NDF:39.5/32

All: 42.029+/-188.421 χ^2/NDF: 64.3/63

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

Left: 1129.386+/-0.162 χ^2/NDF: 6657.9/29

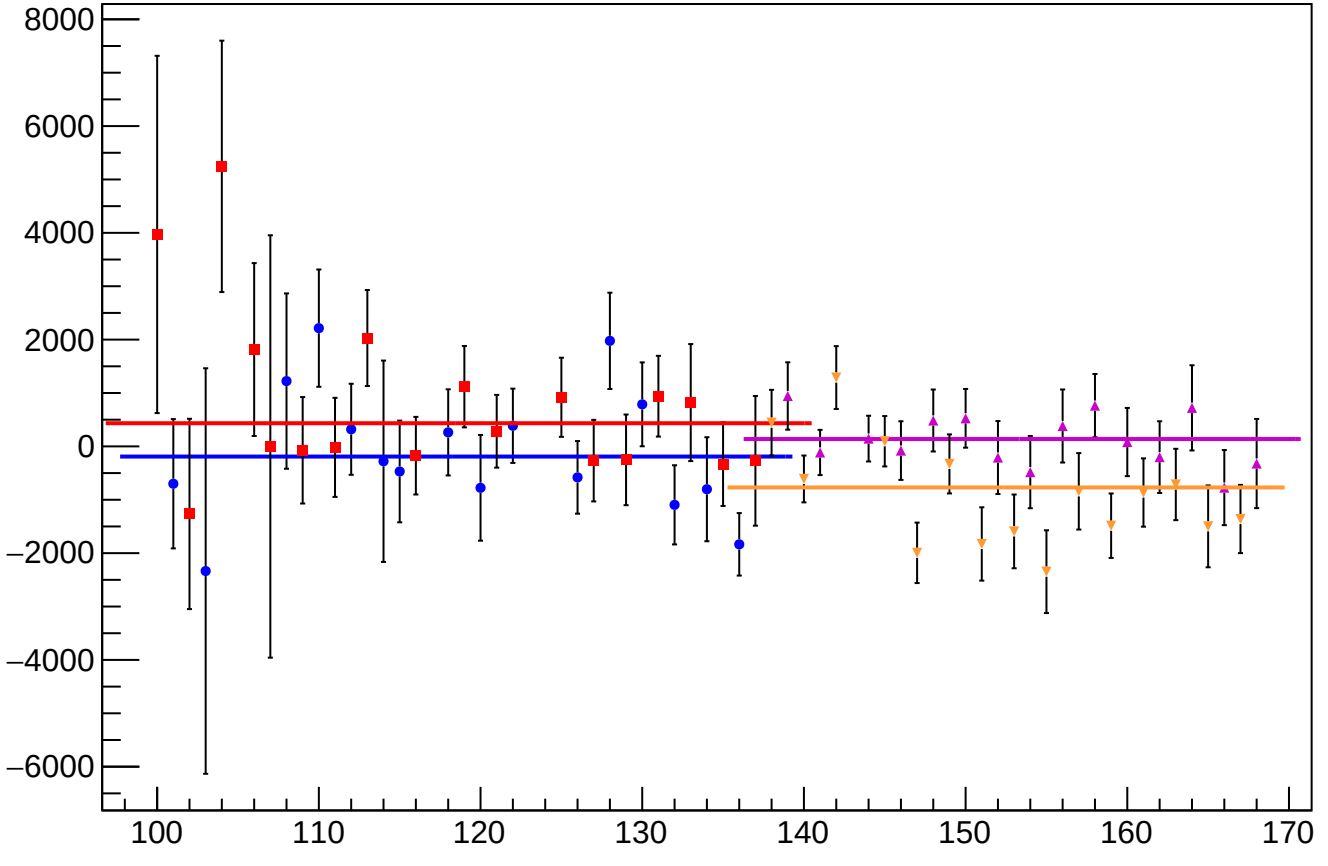
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1160.386+/-0.186 χ^2/NDF:355722.1/30

Out: 1173.877+/-0.191 χ^2/NDF:556747.7/32

All: 1166.947+/-0.133 χ^2/NDF: 915031.0/63

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -769.406+/-156.147 χ^2/NDF:36.1/14

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.799+/-154.065 χ^2/NDF:8.1/14

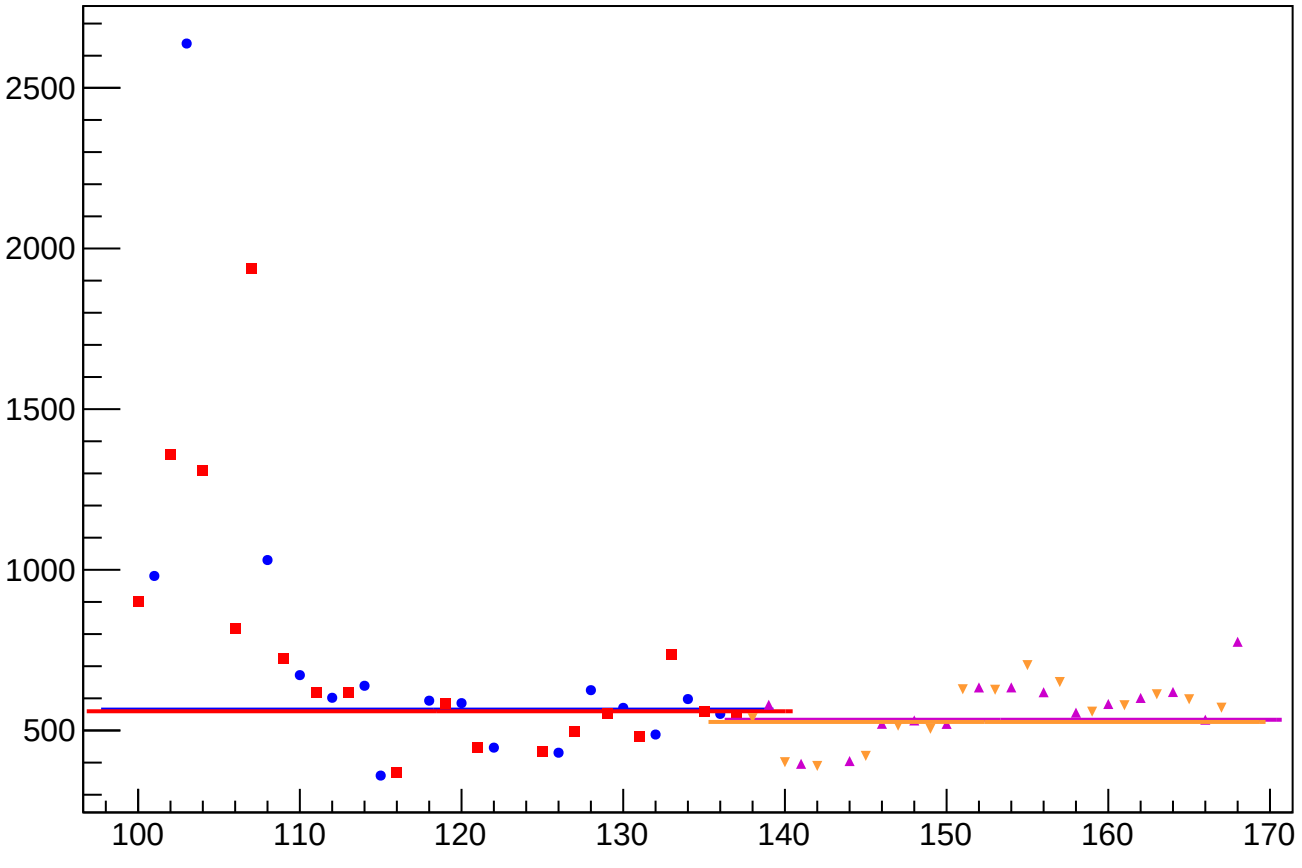
Left: -309.716+/-109.669 χ^2/NDF: 61.3/29

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 31.595+/-126.732 χ^2/NDF:34.8/30

Out: -374.836+/-128.011 χ^2/NDF:71.5/32

All: -169.580+/-90.062 χ^2/NDF: 111.4/63



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 533.338+/-0.109 χ^2/NDF:748837.5/14

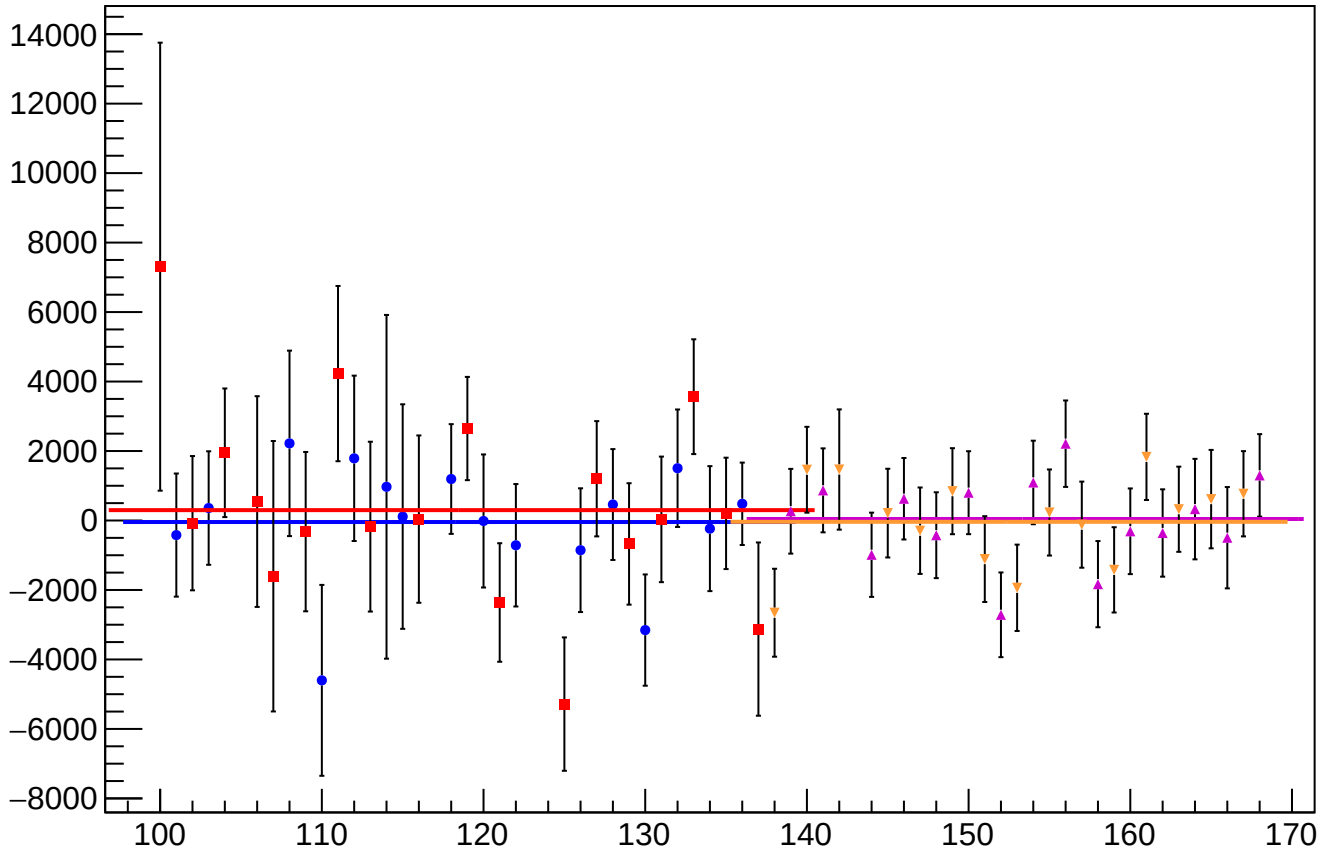
Left: 529.993+/-0.078 χ^2/NDF: 1455730.1/29

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.561+/-0.090 χ^2/NDF:2060528.4/30

Out: 537.444+/-0.091 χ^2/NDF:2063988.2/32

All: 540.533+/-0.064 χ^2/NDF: 4126823.0/63



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -37.884+/-328.425 χ^2/NDF:14.5/14

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 43.523+/-320.621 χ^2/NDF:14.7/14

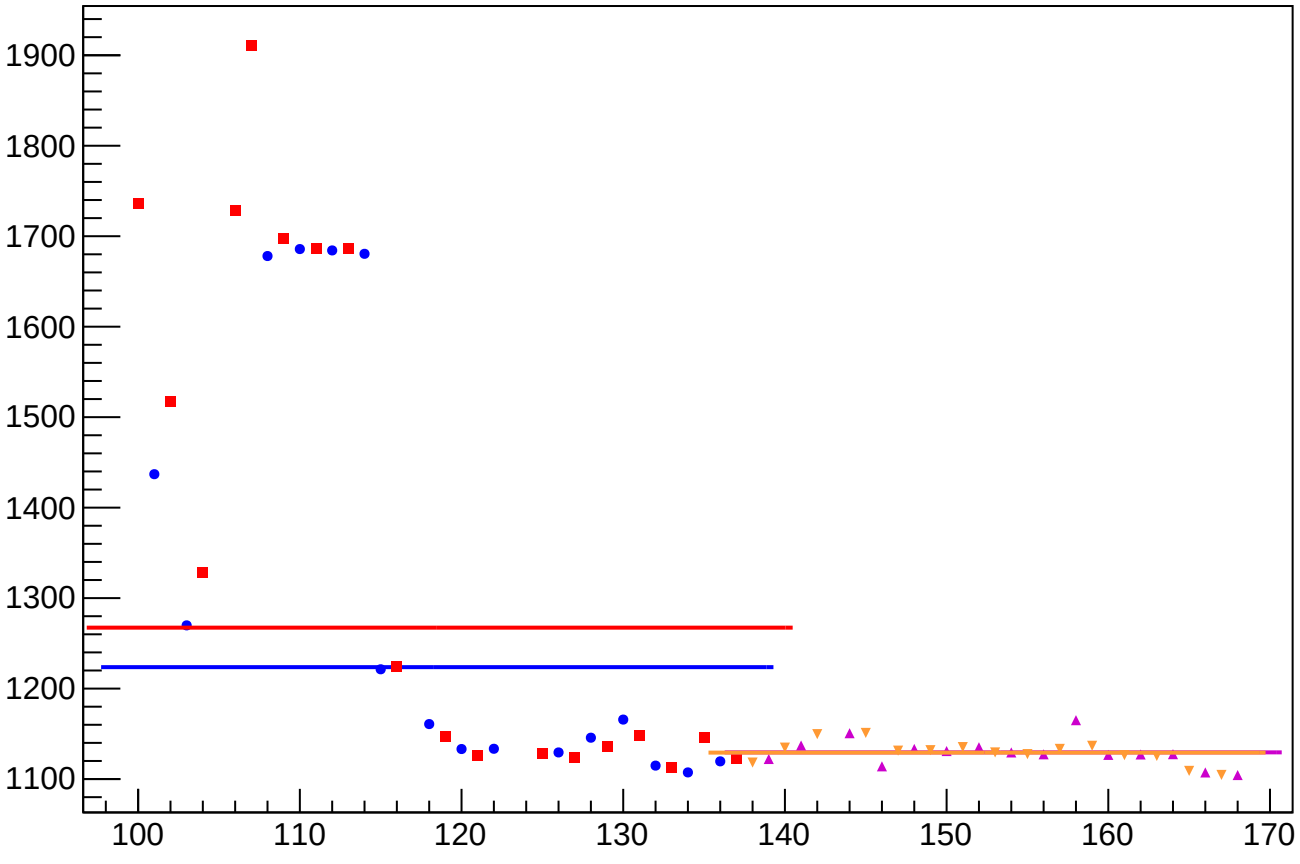
Left: 3.799+/-229.423 χ^2/NDF: 29.2/29

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 14.866+/-262.887 χ^2/NDF:24.8/30

Out: 70.724+/-270.198 χ^2/NDF:39.5/32

All: 42.029+/-188.421 χ^2/NDF: 64.3/63



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1129.244+/-0.232 χ^2/NDF:2459.5/14

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.521+/-0.227 χ^2/NDF:4197.7/14

Left: 1129.386+/-0.162 χ^2/NDF: 6657.9/29

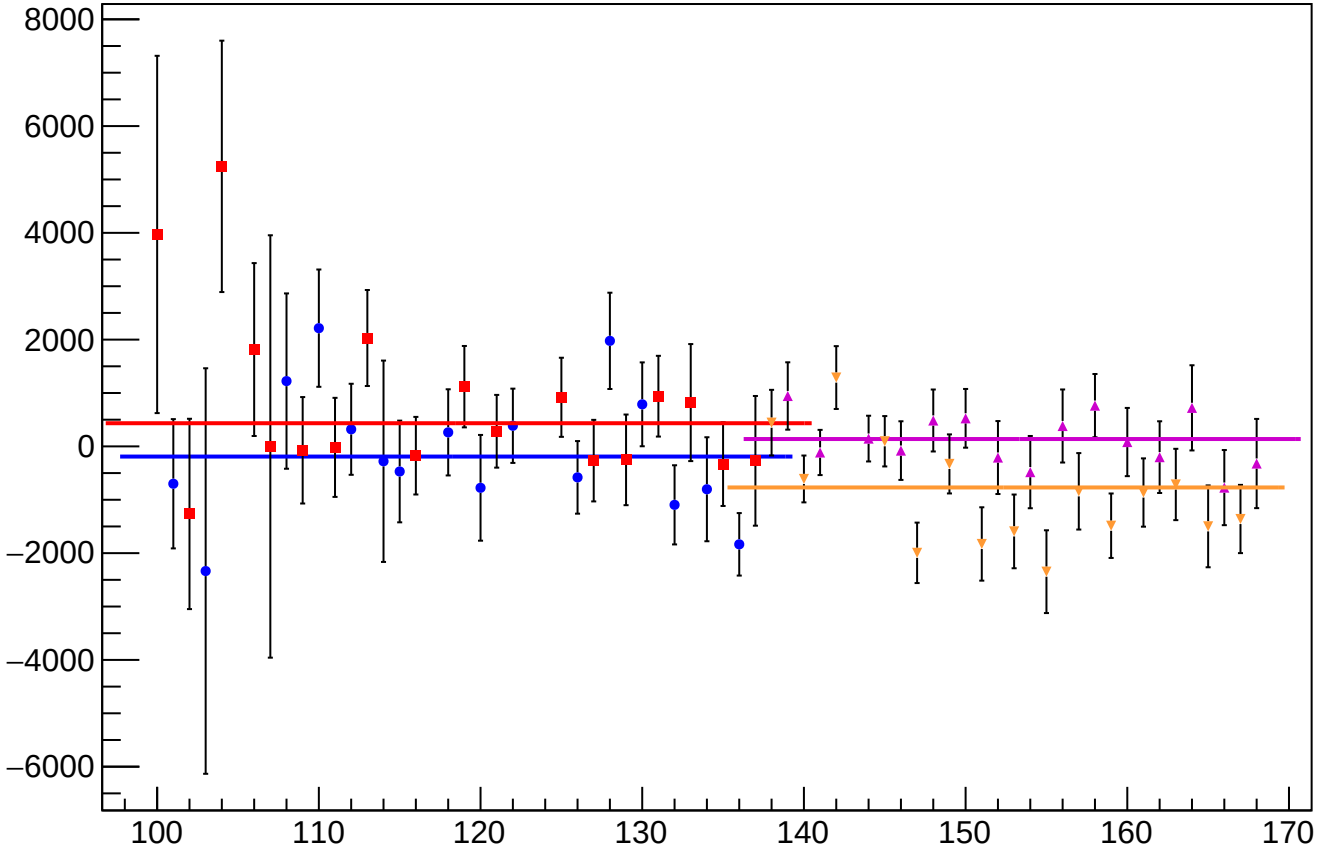
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1160.386+/-0.186 χ^2/NDF:355722.1/30

Out: 1173.877+/-0.191 χ^2/NDF:556747.7/32

All: 1166.947+/-0.133 χ^2/NDF: 915031.0/63

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: -769.406+/-156.147 χ^2/NDF:36.1/14

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.799+/-154.065 χ^2/NDF:8.1/14

Left: -309.716+/-109.669 χ^2/NDF: 61.3/29

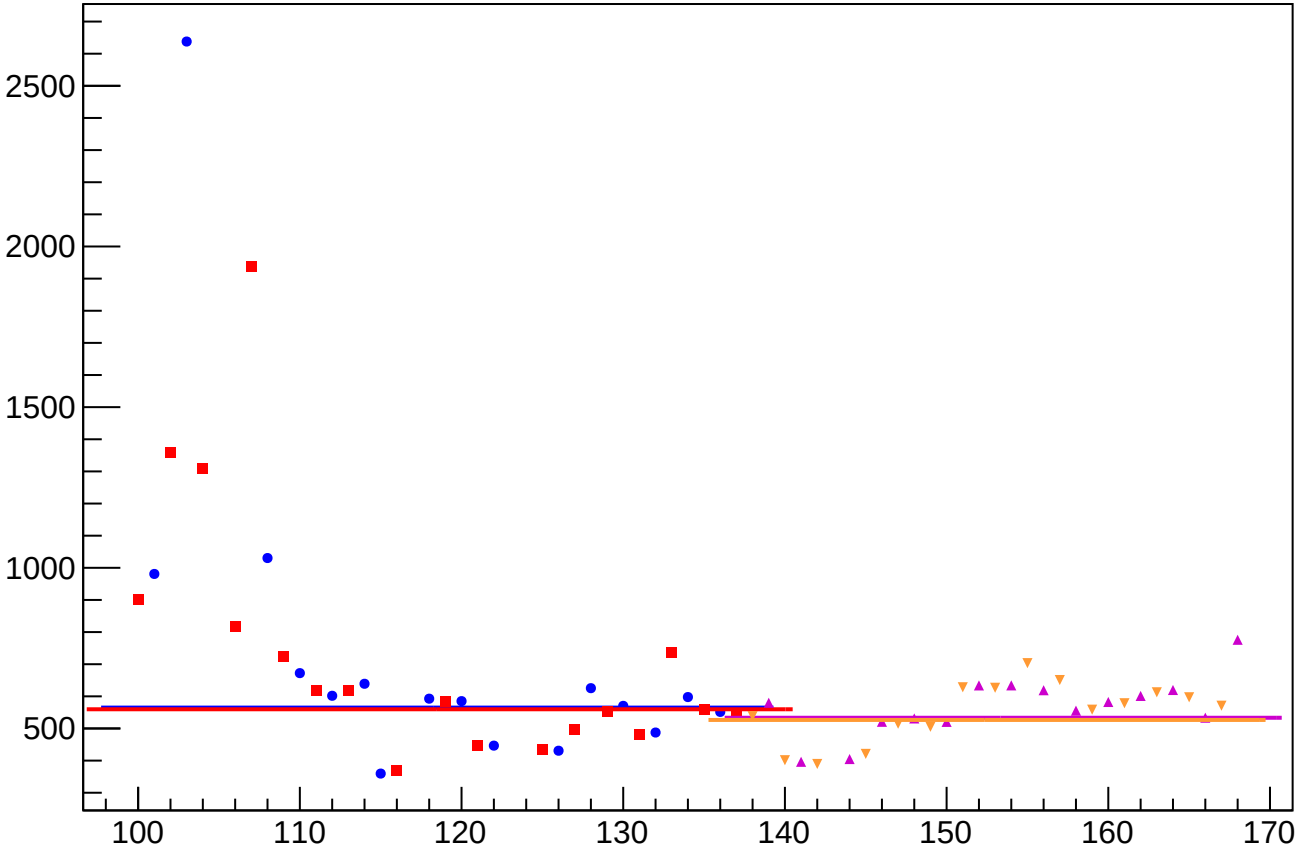
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 31.595+/-126.732 χ^2/NDF:34.8/30

Out: -374.836+/-128.011 χ^2/NDF:71.5/32

All: -169.580+/-90.062 χ^2/NDF: 111.4/63

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: 526.557+/-0.110 χ^2/NDF:704981.6/14

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 533.338+/-0.109 χ^2/NDF:748837.5/14

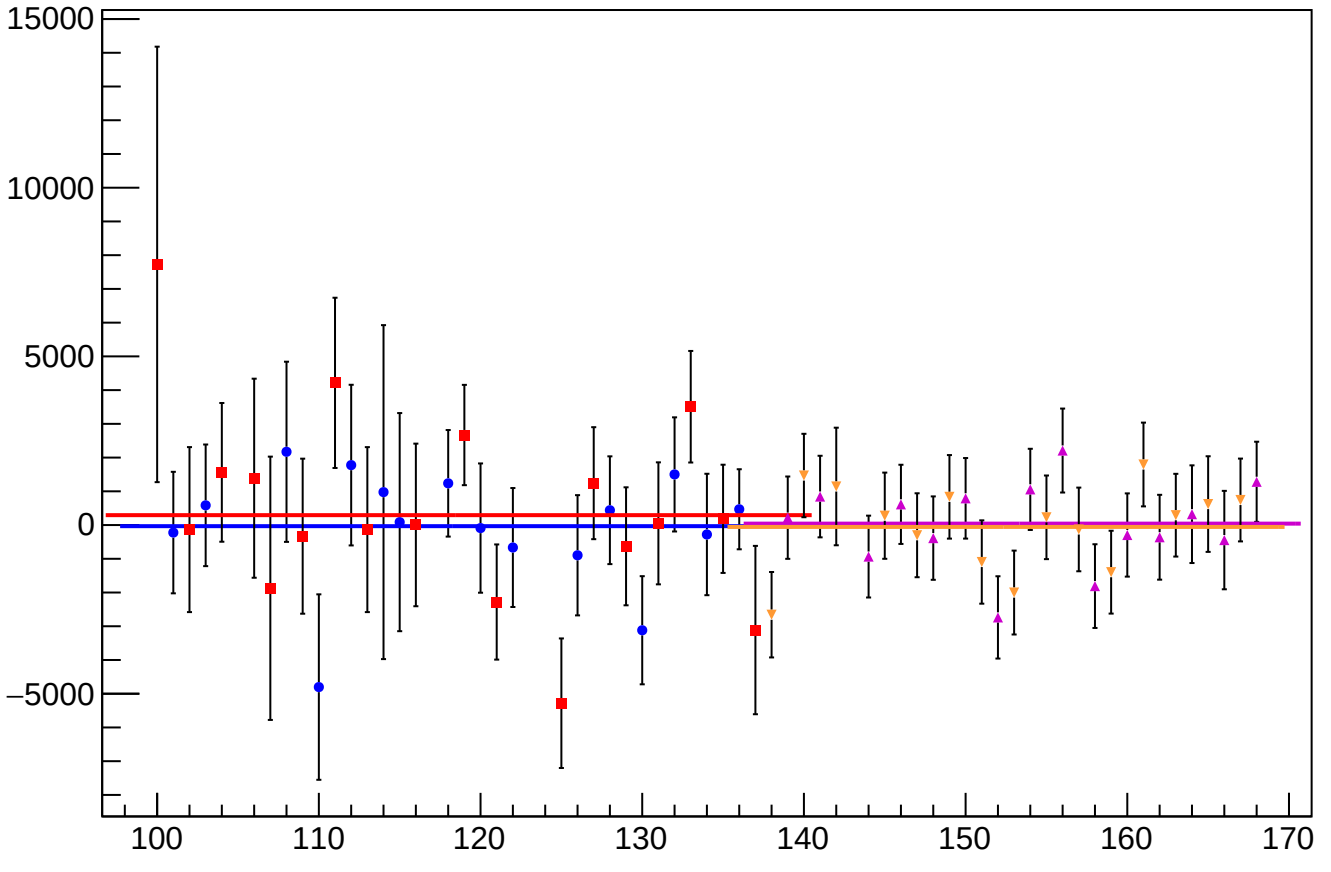
Left: 529.993+/-0.078 χ^2/NDF: 1455730.1/29

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.561+/-0.090 χ^2/NDF:2060528.4/30

Out: 537.444+/-0.091 χ^2/NDF:2063988.2/32

All: 540.533+/-0.064 χ^2/NDF: 4126823.0/63



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.477+/-328.637 χ^2/NDF:14.2/14

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 42.088+/-320.750 χ^2/NDF:14.4/14

Left: -5.510+/-229.542 χ^2/NDF: 28.7/29

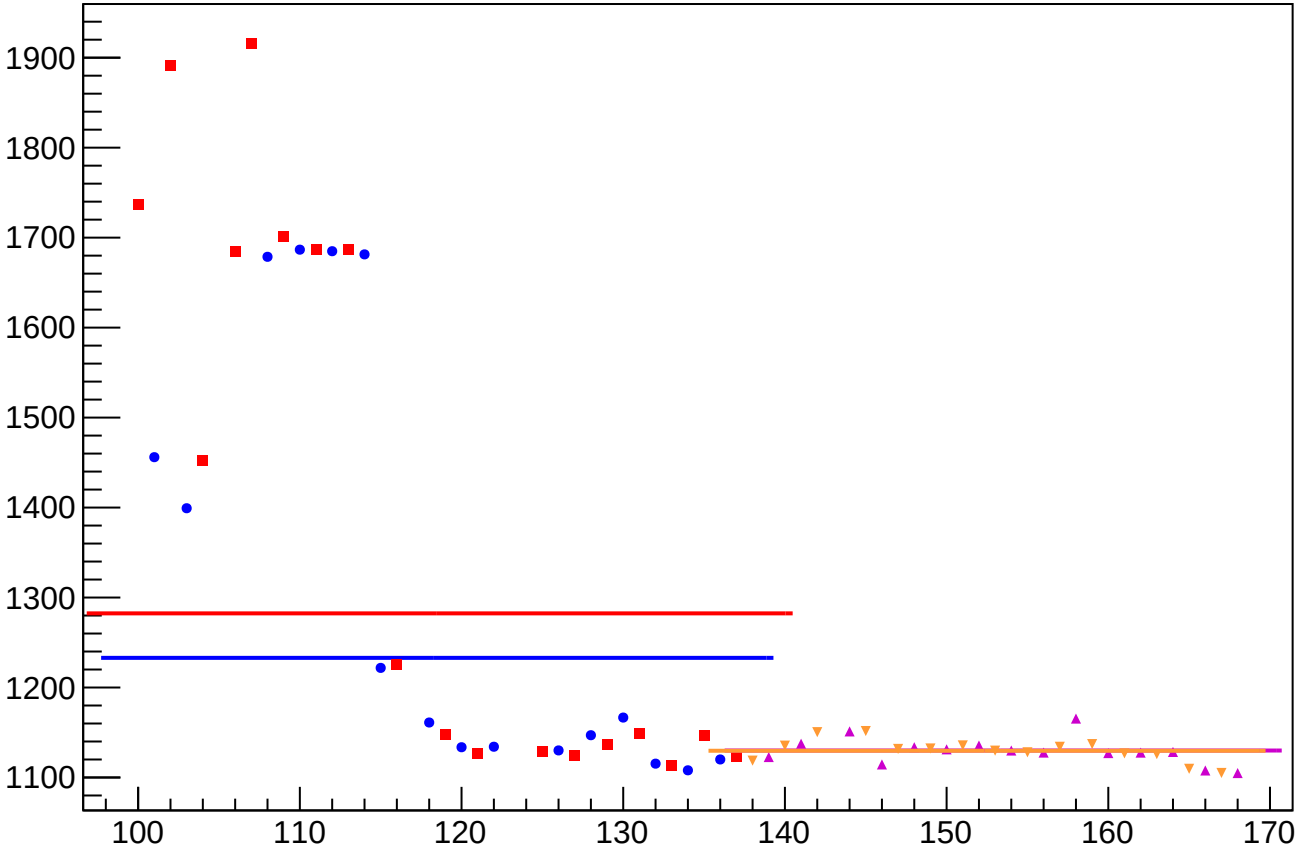
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 17.733+/-263.702 χ^2/NDF:24.7/30

Out: 54.659+/-271.856 χ^2/NDF:38.8/32

All: 35.634+/-189.282 χ^2/NDF: 63.5/63

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1129.976+/-0.227 χ^2/NDF:4186.4/14

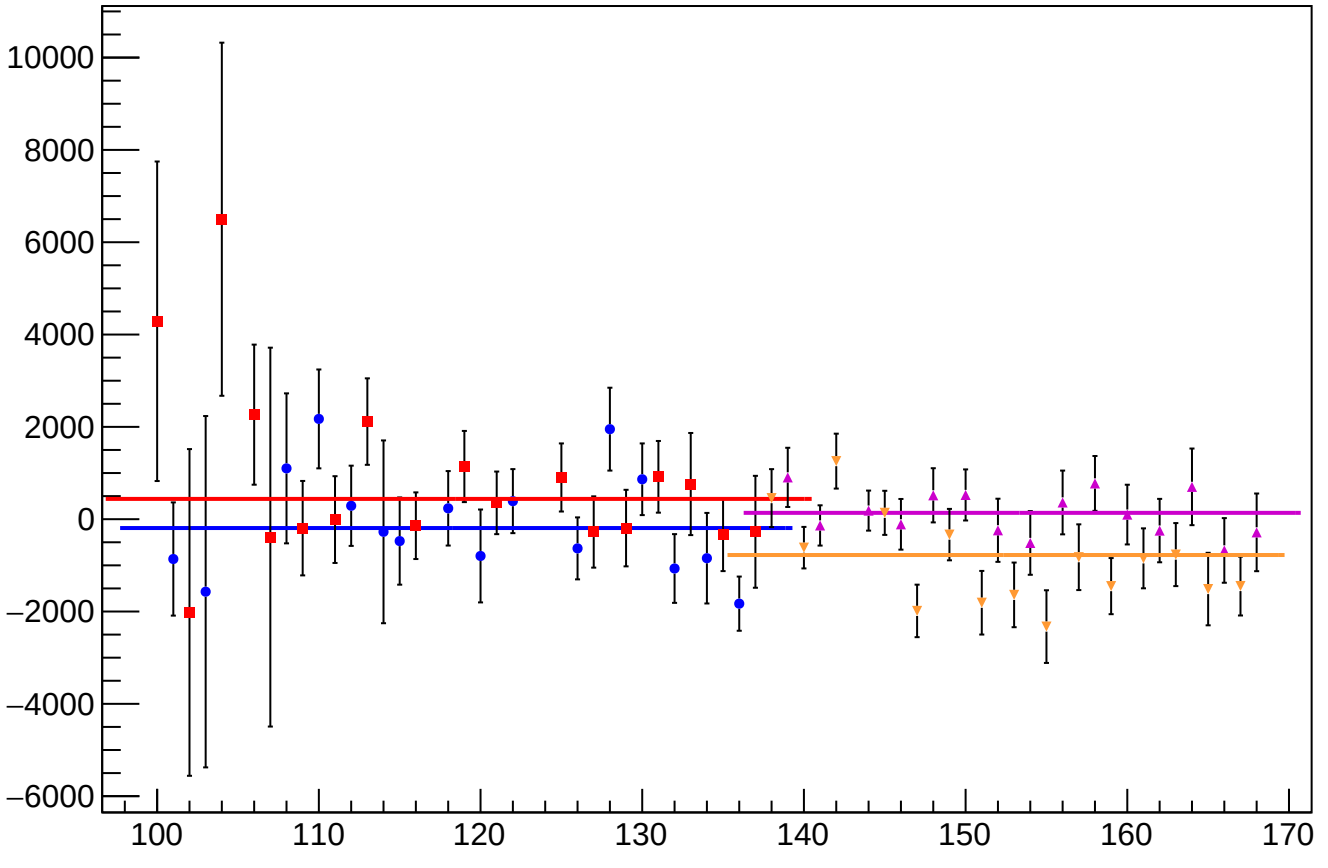
Left: 1129.846+/-0.162 χ^2/NDF: 6649.9/29

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1163.353+/-0.186 χ^2/NDF:386482.2/30

Out: 1177.916+/-0.192 χ^2/NDF:682180.2/32

All: 1170.413+/-0.134 χ^2/NDF: 1071619.6/63



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -776.026+/-158.036 χ^2/NDF:35.4/14

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 137.460+/-156.033 χ^2/NDF:7.8/14

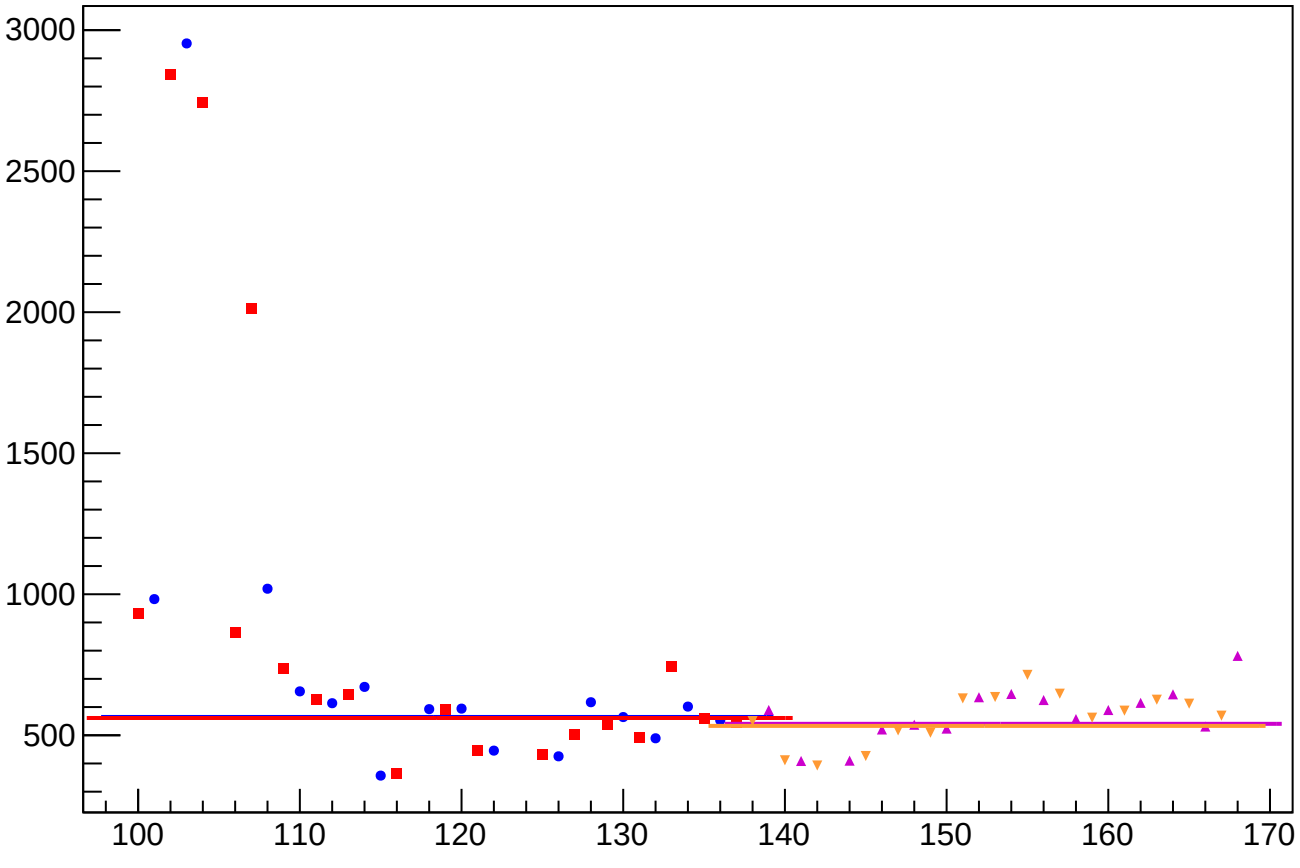
Left: -313.457+/-111.033 χ^2/NDF: 60.1/29

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 29.178+/-127.800 χ^2/NDF:34.5/30

Out: -378.232+/-129.625 χ^2/NDF:69.4/32

All: -171.640+/-91.007 χ^2/NDF: 108.9/63



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 533.255+/-0.112 χ^2/NDF:687424.8/14

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 540.570+/-0.110 χ^2/NDF:727353.3/14

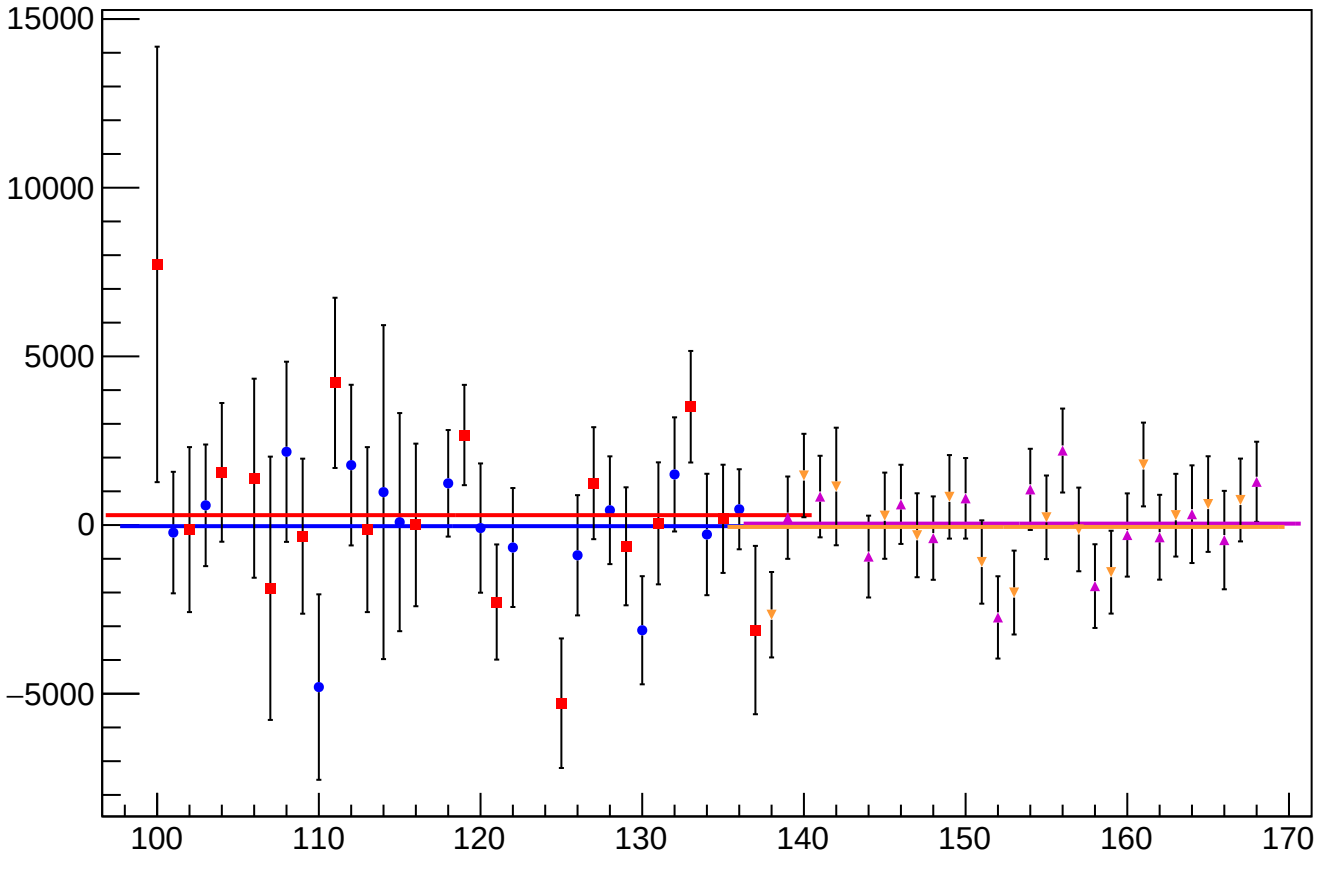
Left: 536.959+/-0.079 χ^2/NDF: 1416948.0/29

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 548.568+/-0.090 χ^2/NDF:2223696.1/30

Out: 542.423+/-0.092 χ^2/NDF:2981368.0/32

All: 545.539+/-0.064 χ^2/NDF: 5207343.2/63



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -55.479+/-328.637 χ^2/NDF:14.2/14

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 42.089+/-320.750 χ^2/NDF:14.4/14

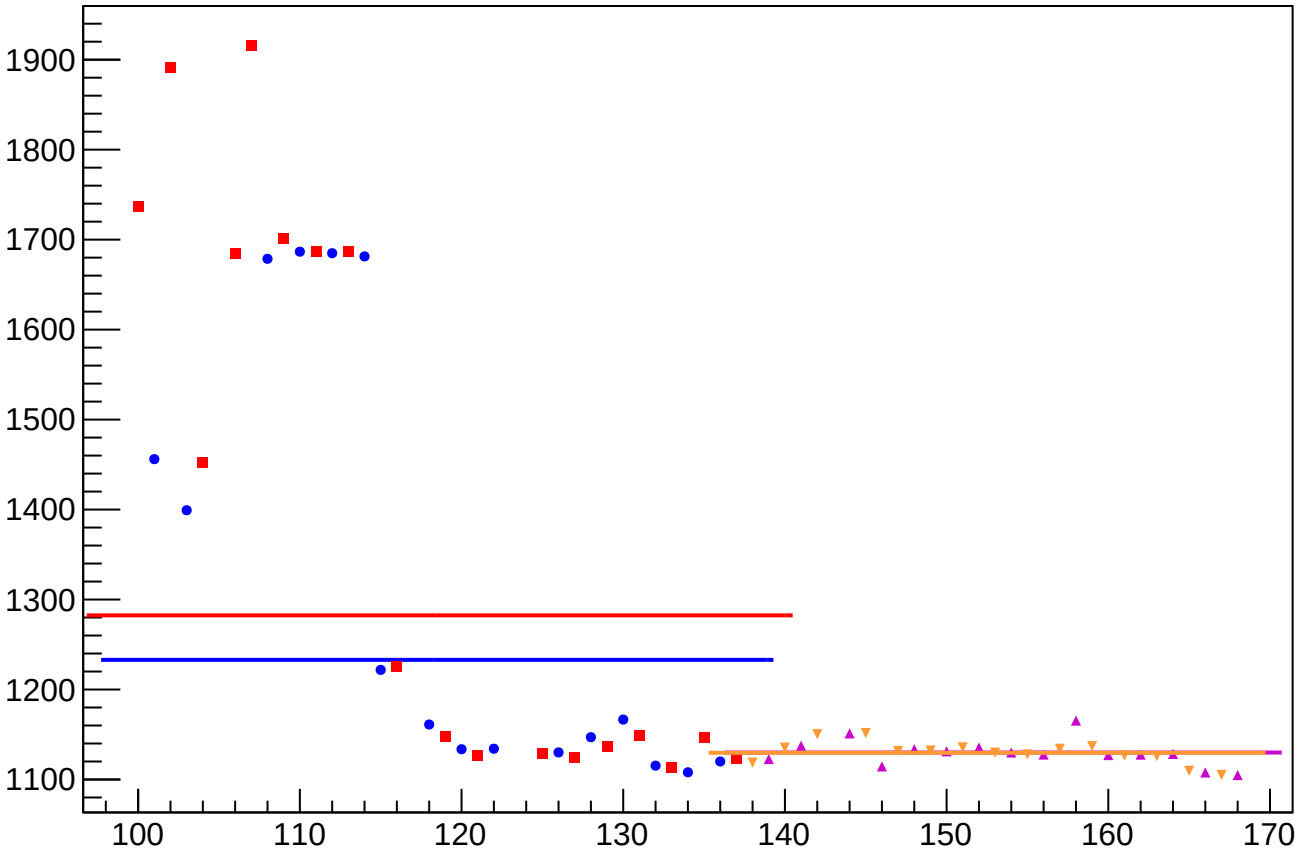
Left: -5.511+/-229.542 χ^2/NDF: 28.7/29

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 17.734+/-263.702 χ^2/NDF:24.7/30

Out: 54.658+/-271.856 χ^2/NDF:38.8/32

All: 35.634+/-189.282 χ^2/NDF: 63.5/63



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1129.709+/-0.232 χ^2/NDF:2462.8/14

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1129.976+/-0.227 χ^2/NDF:4186.4/14

Left: 1129.846+/-0.162 χ^2/NDF: 6649.9/29

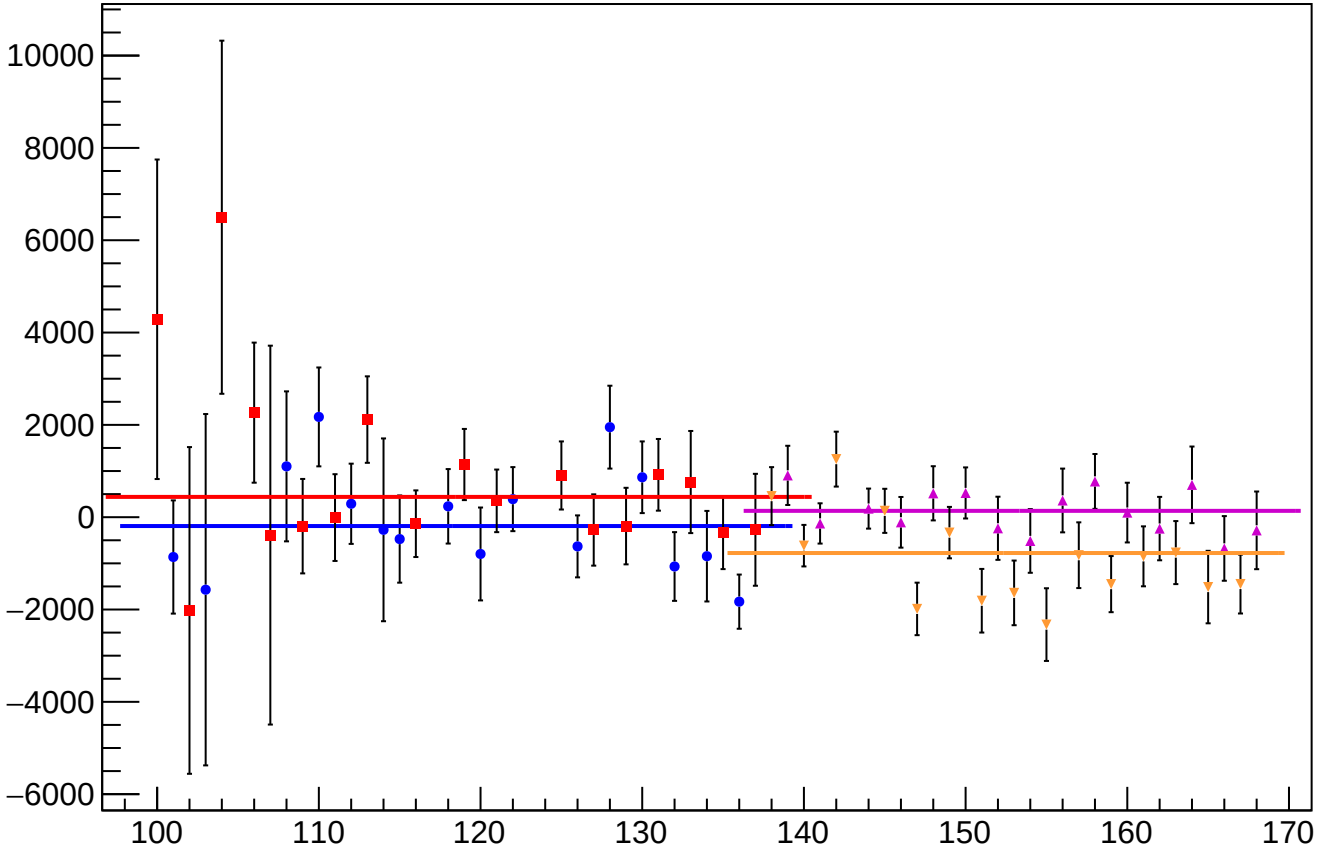
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1163.353+/-0.186 χ^2/NDF:386481.7/30

Out: 1177.916+/-0.192 χ^2/NDF:682179.5/32

All: 1170.413+/-0.134 χ^2/NDF: 1071618.4/63

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: -776.024+/-158.035 χ^2/NDF:35.4/14

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 137.461+/-156.032 χ^2/NDF:7.8/14

Left: -313.457+/-111.033 χ^2/NDF: 60.1/29

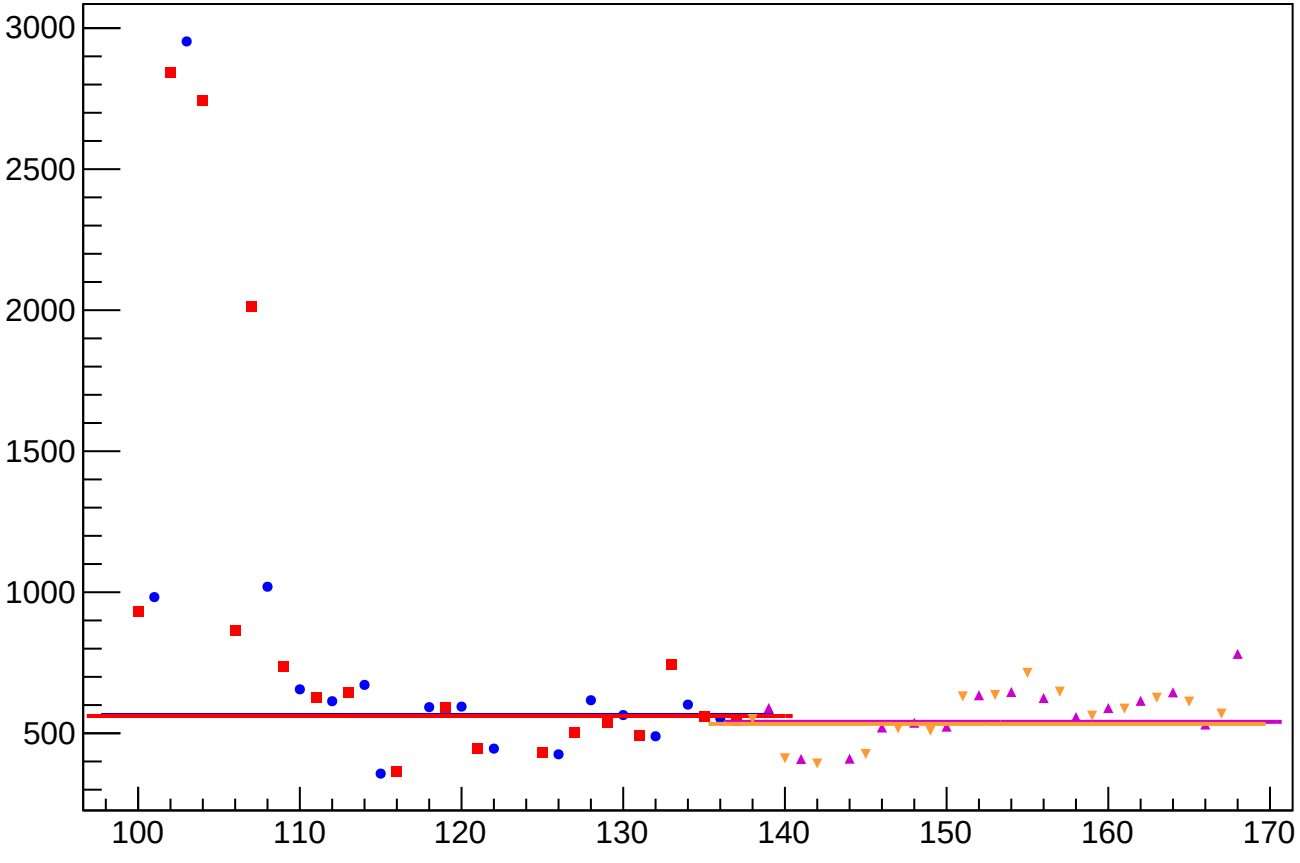
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 29.179+/-127.800 χ^2/NDF:34.5/30

Out: -378.231+/-129.625 χ^2/NDF:69.4/32

All: -171.639+/-91.007 χ^2/NDF: 108.9/63

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 533.254+/-0.112 χ^2/NDF:687443.7/14

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 540.569+/-0.110 χ^2/NDF:727365.5/14

Left: 536.958+/-0.079 χ^2/NDF: 1416979.2/29

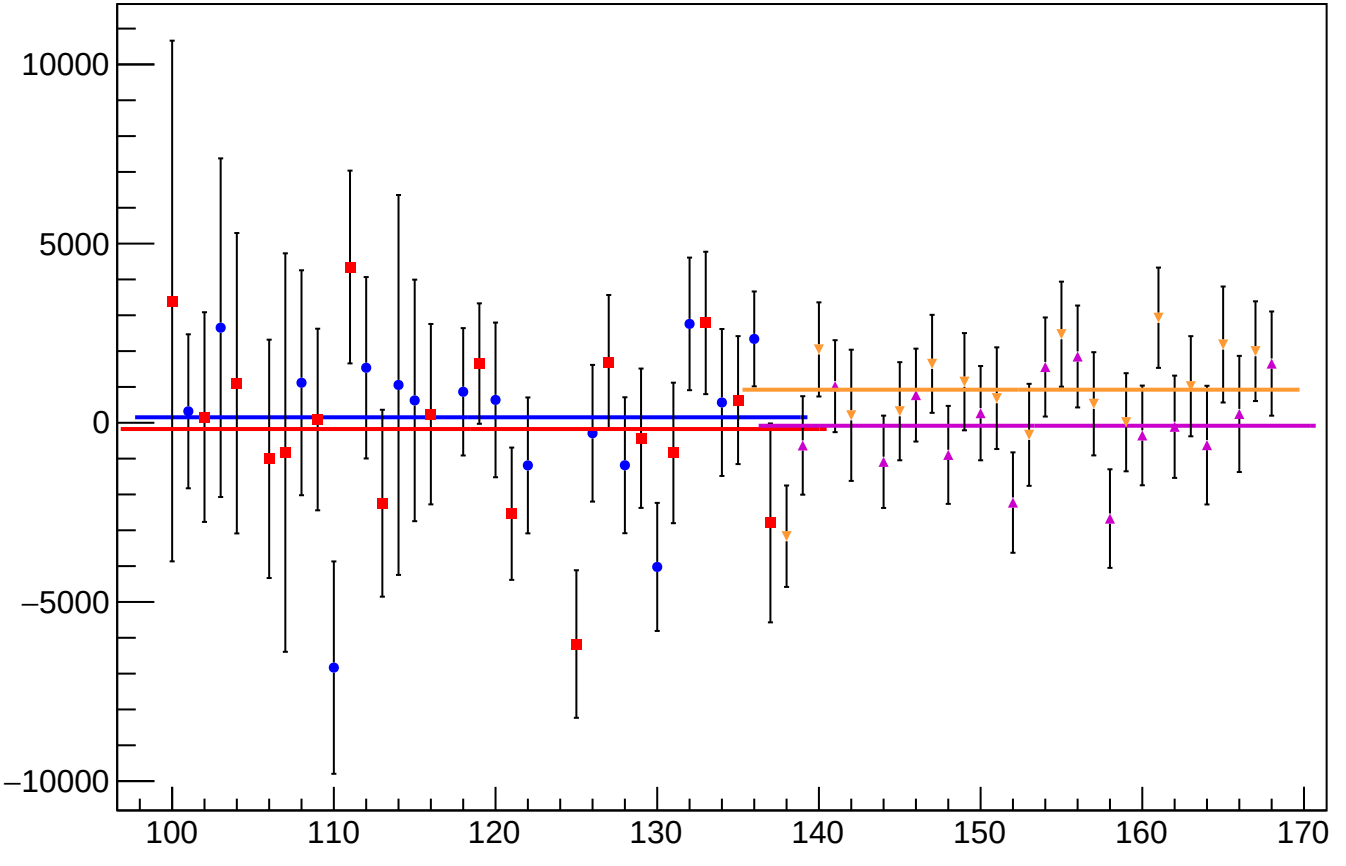
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 548.568+/-0.090 χ^2/NDF:2223706.3/30

Out: 542.423+/-0.092 χ^2/NDF:2981388.5/32

All: 545.539+/-0.064 χ^2/NDF: 5207374.1/63

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 923.274+/-368.057 χ^2/NDF:15.4/14

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -83.027+/-359.686 χ^2/NDF:13.1/14

Left: 408.550+/-257.245 χ^2/NDF: 32.4/29

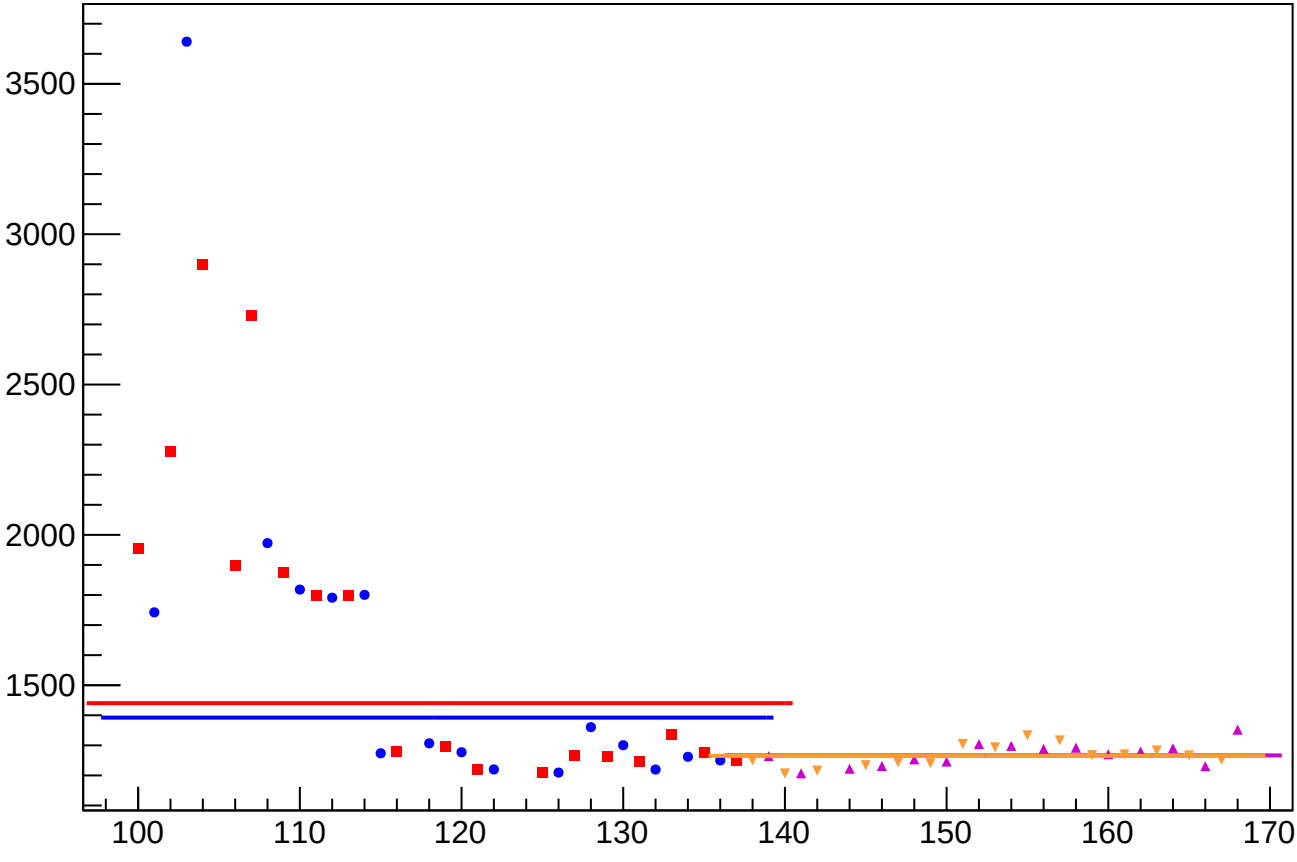
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -8.883+/-297.990 χ^2/NDF:31.0/30

Out: 583.911+/-305.911 χ^2/NDF:37.9/32

All: 279.740+/-213.456 χ^2/NDF: 70.8/63

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.919+/-0.260 χ^2/NDF:17602.3/14

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1266.620+/-0.254 χ^2/NDF:20946.7/14

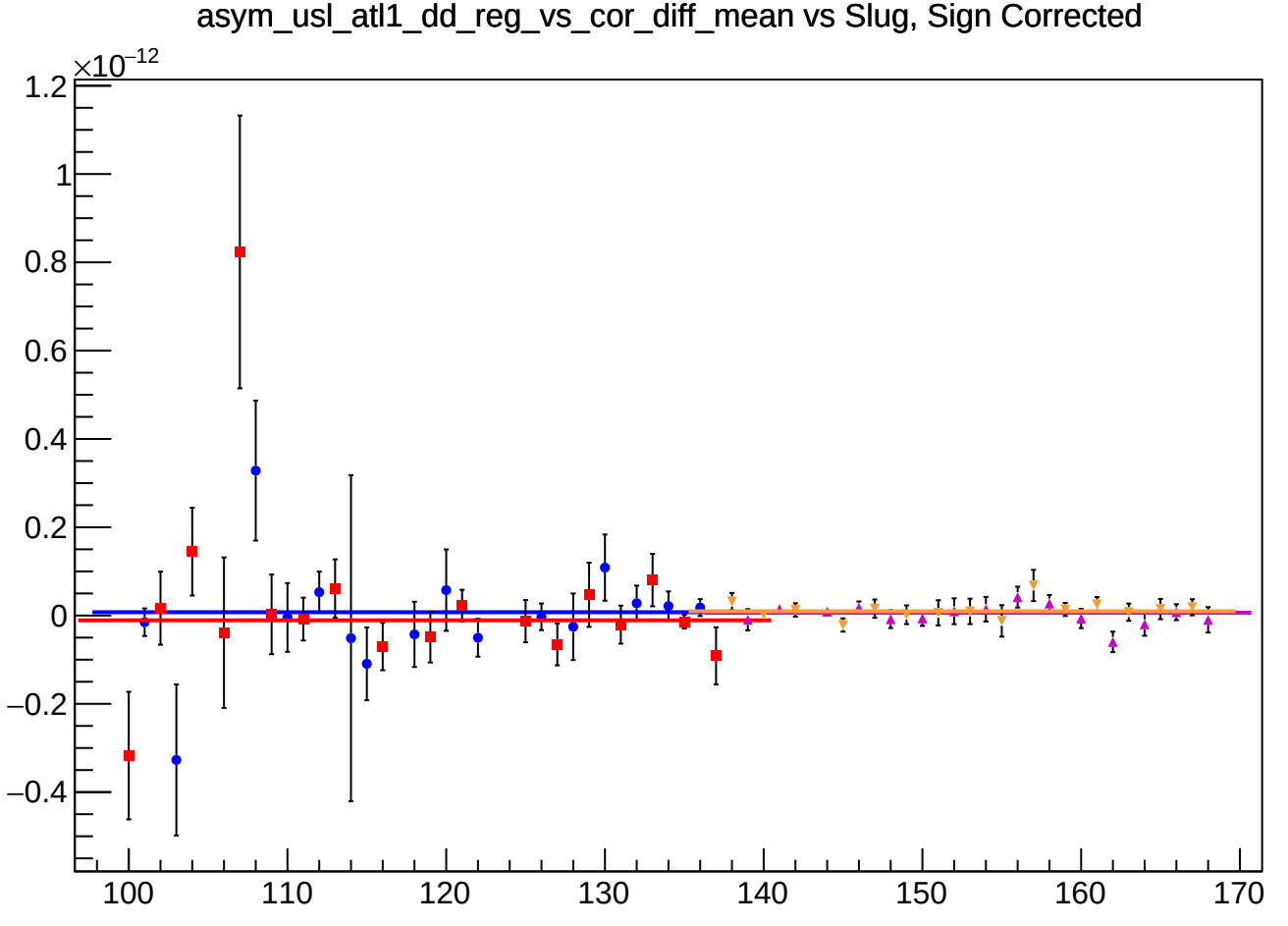
Left: 1265.789+/-0.182 χ^2/NDF: 38570.8/29

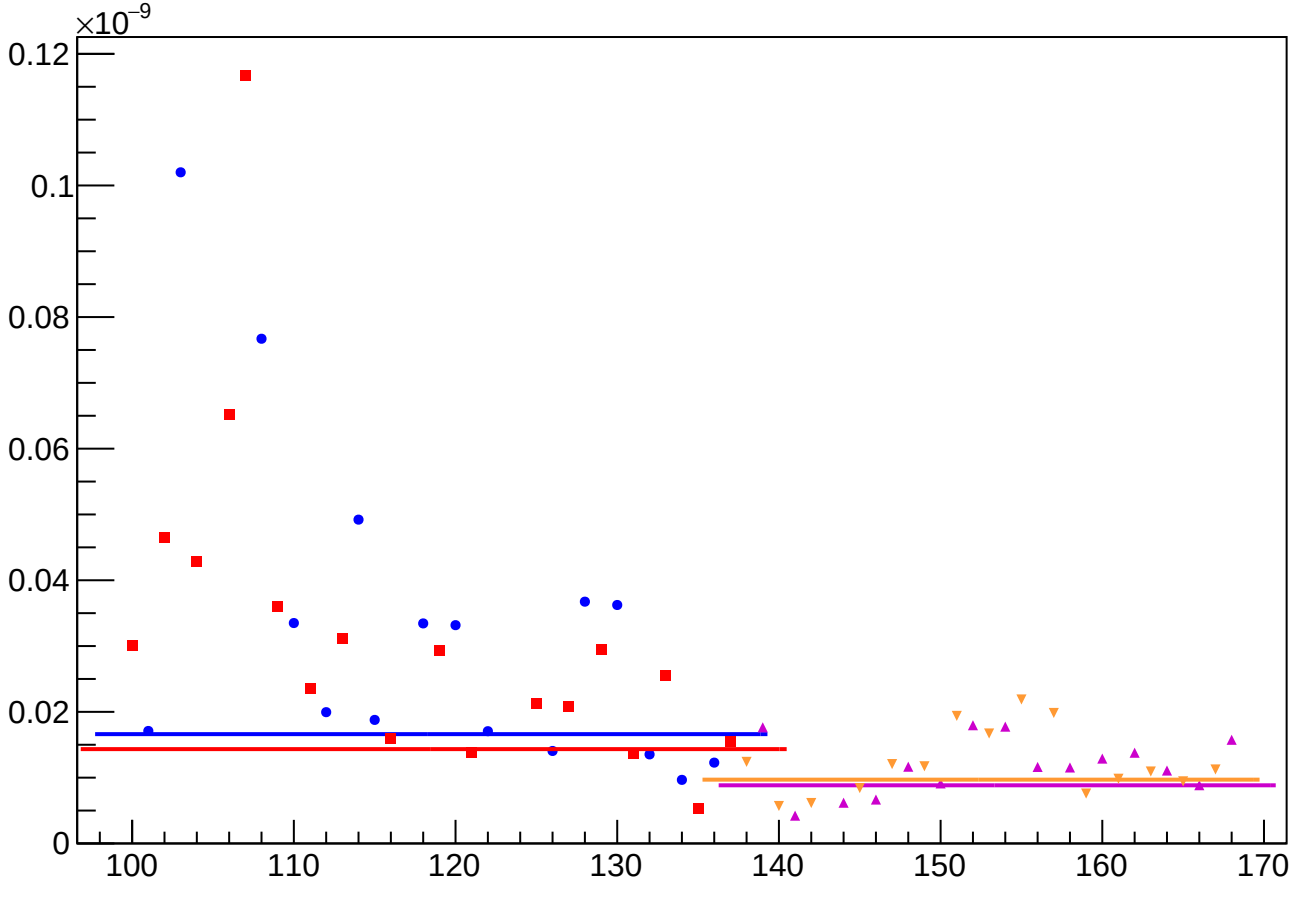
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1306.037+/-0.211 χ^2/NDF:876769.6/30

Out: 1319.121+/-0.216 χ^2/NDF:1012769.6/32

All: 1312.408+/-0.151 χ^2/NDF: 1891416.5/63


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:10.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:16.4/14
Left: 0.000+/-0.000 χ²/NDF: 27.4/29
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:33.3/30
Out: 0.000+/-0.000 χ²/NDF:37.8/32
All: 0.000+/-0.000 χ²/NDF: 71.2/63



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278393.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1726697.3/14

Left: 0.000+/-0.000 χ^2/NDF: 3039535.6/29

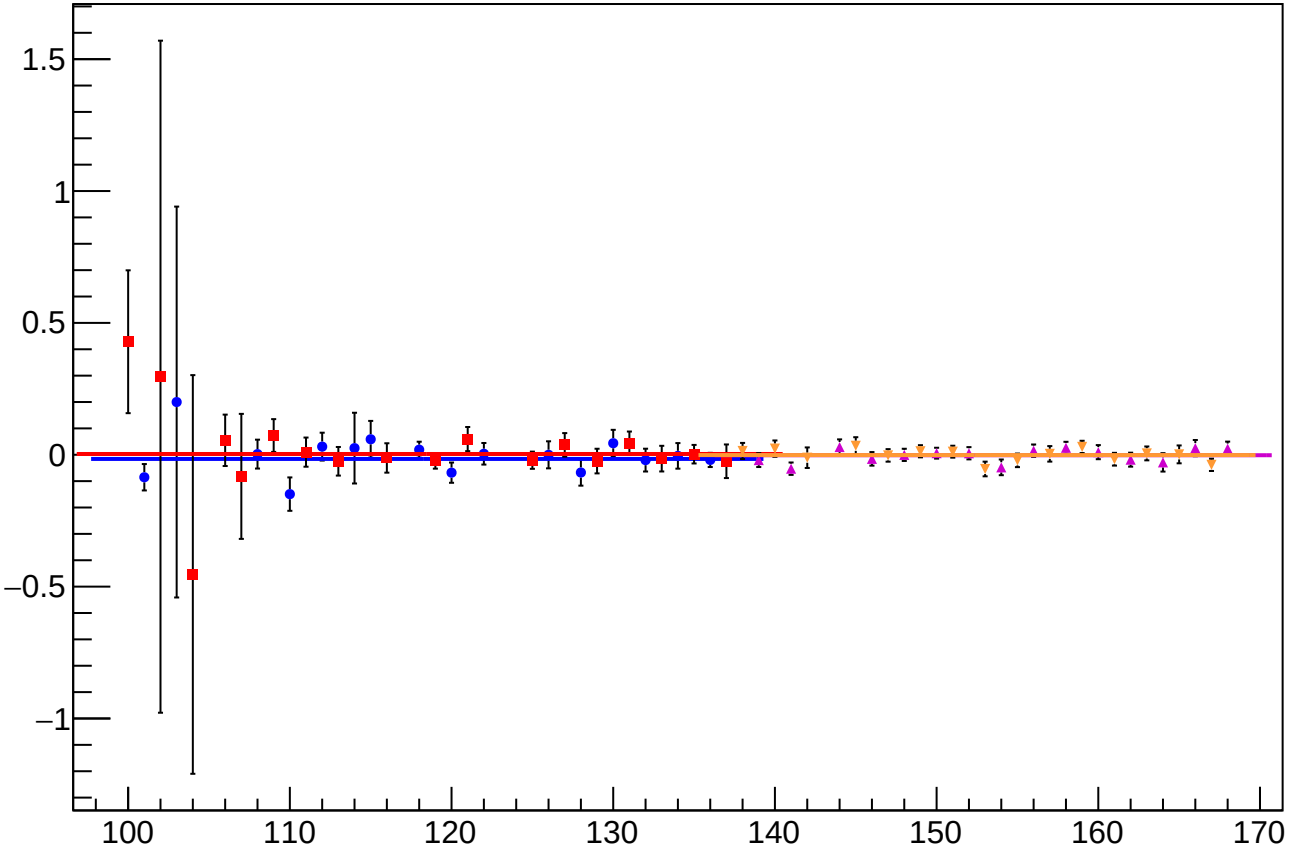
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4174717.1/30

Out: 0.000+/-0.000 χ^2/NDF:3855134.8/32

All: 0.000+/-0.000 χ^2/NDF: 8044241.9/63

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.007 χ^2/NDF:14.2/14

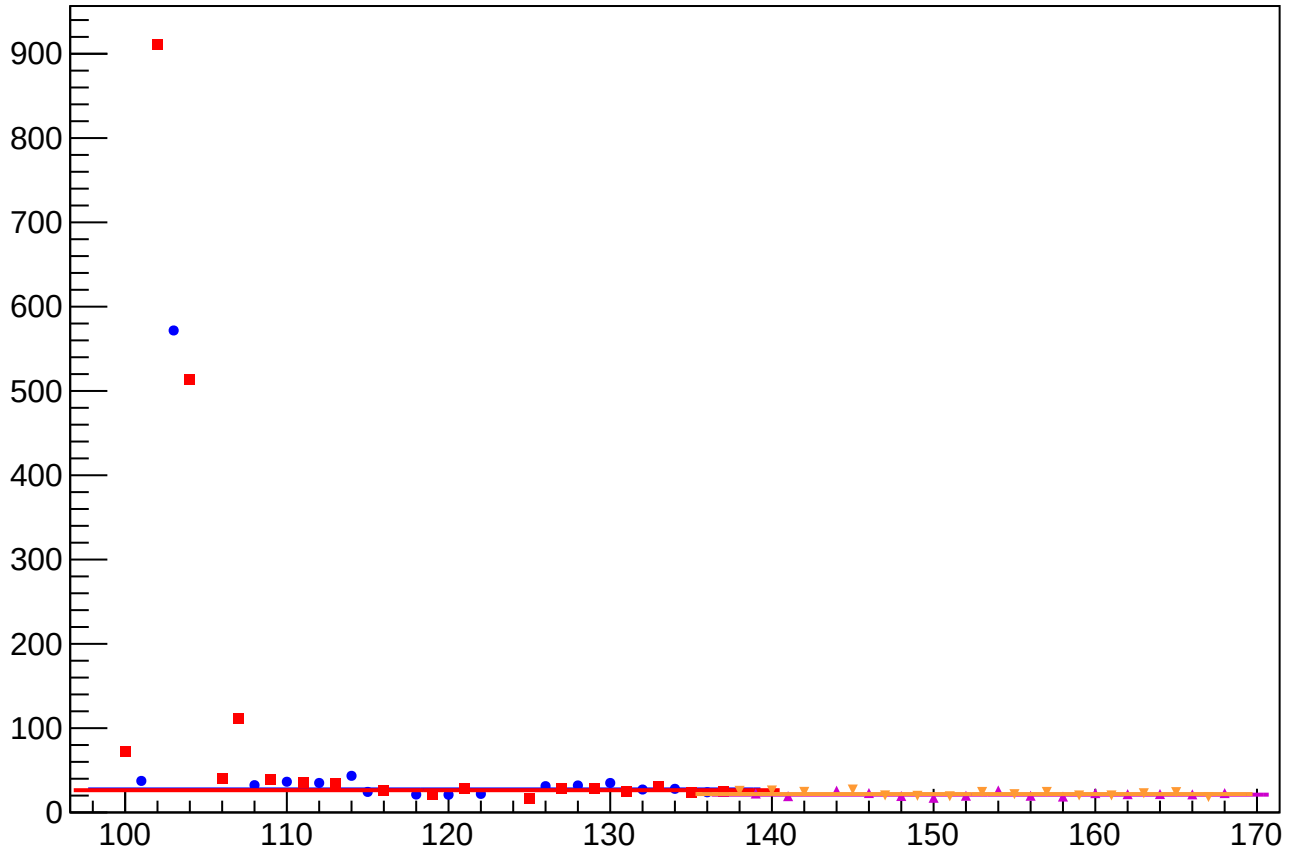
Left: -0.001+/-0.005 χ^2/NDF: 26.1/29

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:29.9/30

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 52.1/63



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.801+/-0.005 χ^2/NDF:291982.2/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261695.2/14

Left: 21.438+/-0.003 χ^2/NDF: 564243.0/29

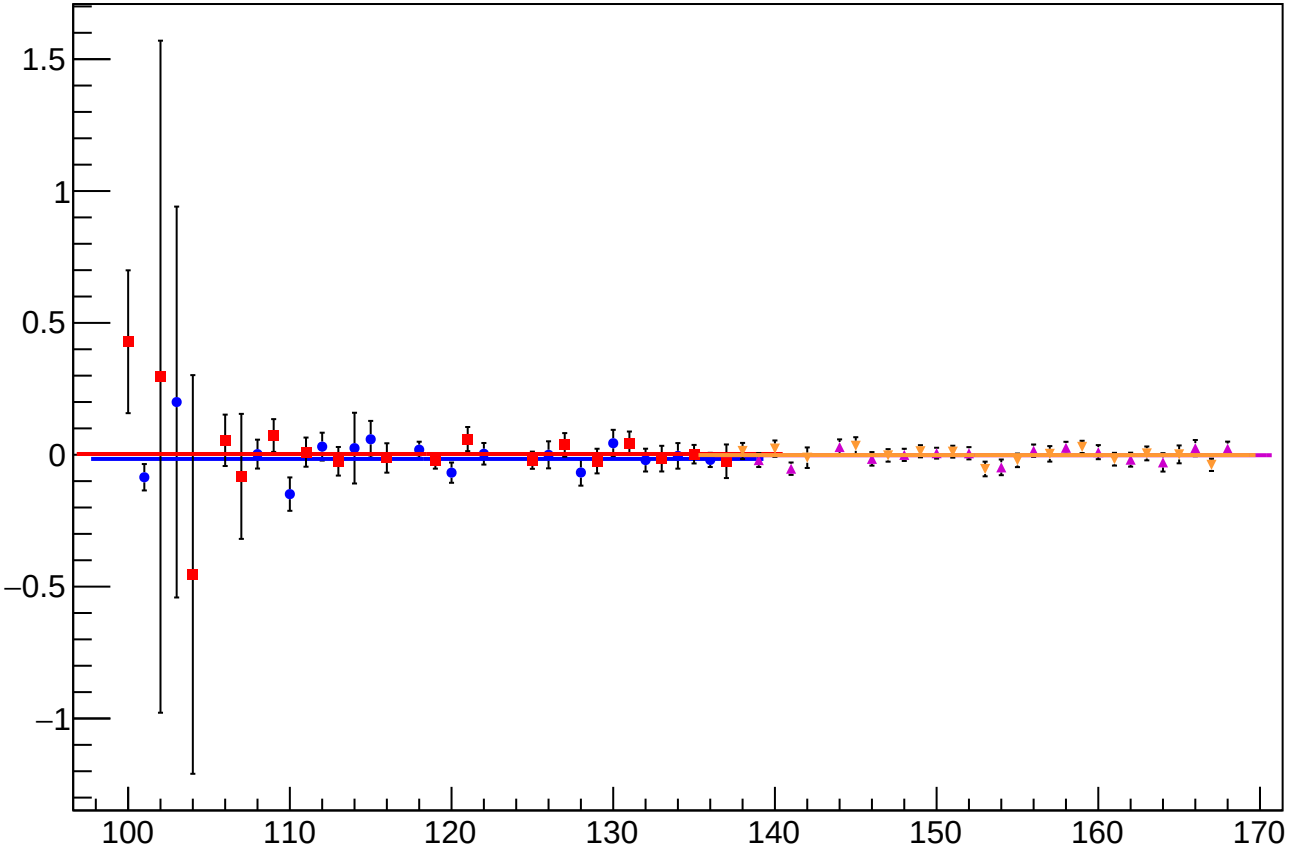
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.627+/-0.004 χ^2/NDF:2263956.9/30

Out: 22.941+/-0.004 χ^2/NDF:3126823.8/32

All: 22.777+/-0.003 χ^2/NDF: 5393648.6/63

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.007 χ^2/NDF:14.2/14

Left: -0.001+/-0.005 χ^2/NDF: 26.1/29

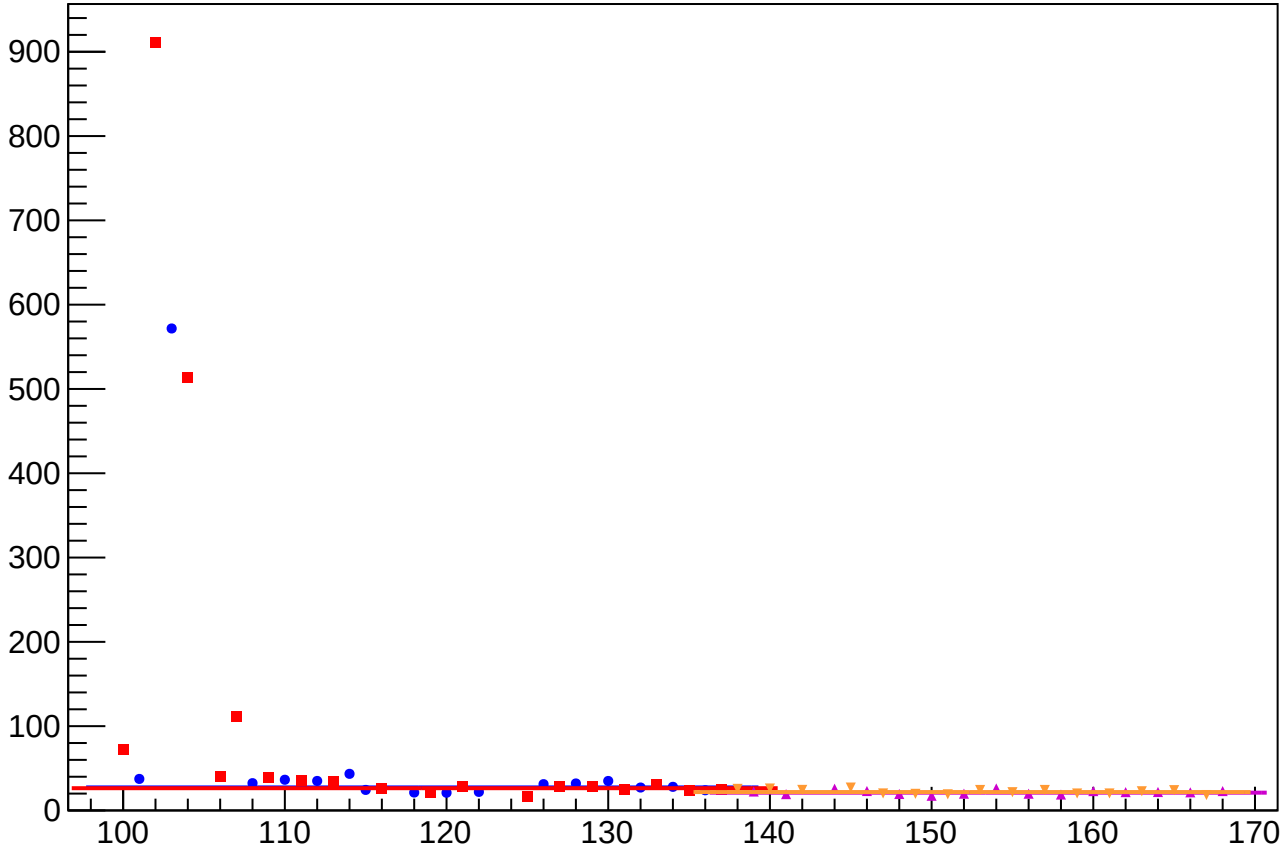
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:29.9/30

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 52.1/63

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: 21.801+/-0.005 χ^2/NDF:291982.2/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261695.2/14

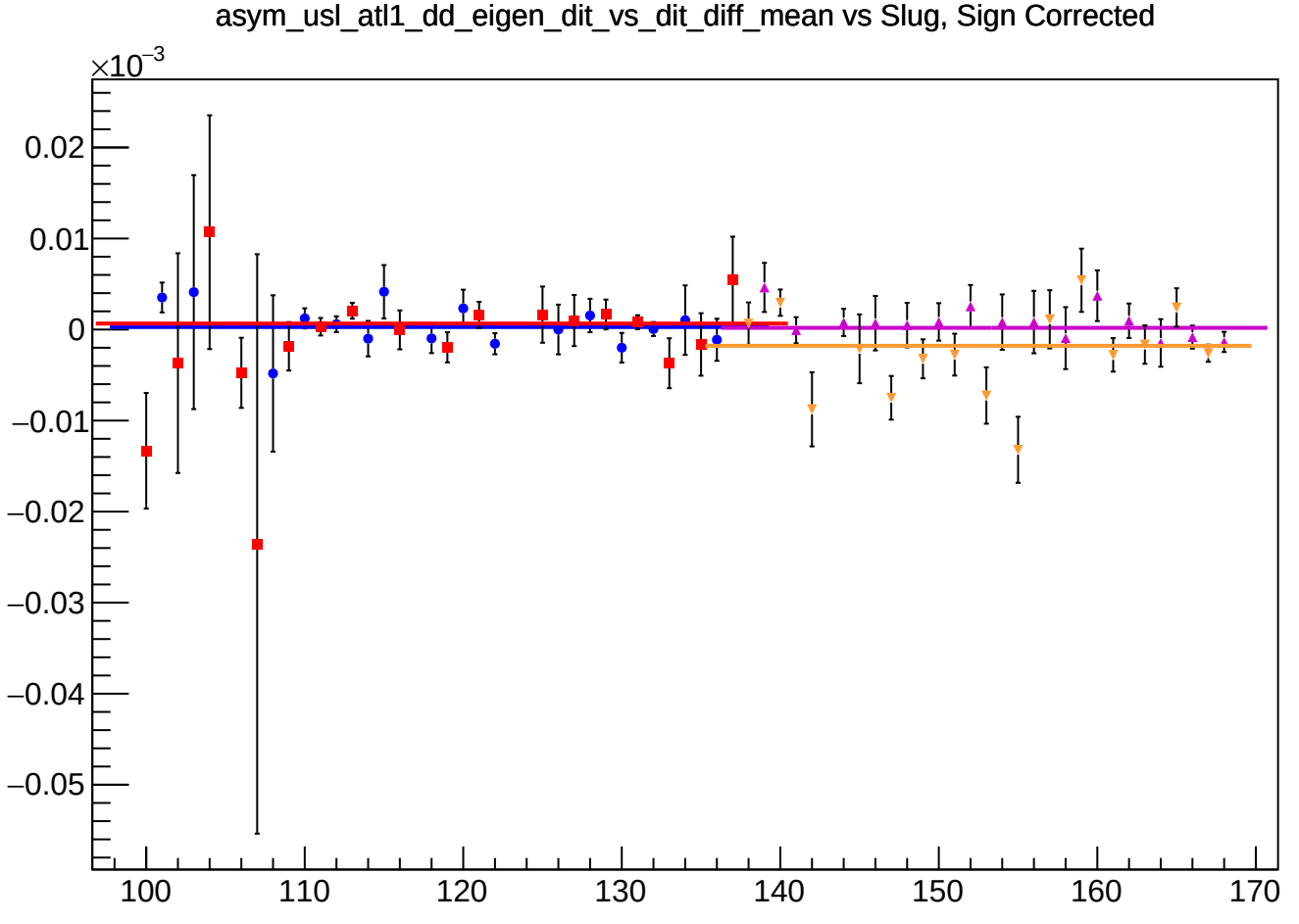
Left: 21.438+/-0.003 χ^2/NDF: 564243.0/29

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.627+/-0.004 χ^2/NDF:2263956.9/30

Out: 22.941+/-0.004 χ^2/NDF:3126823.8/32

All: 22.777+/-0.003 χ^2/NDF: 5393648.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

Left: -0.000+/-0.000 χ^2/NDF: 60.7/29

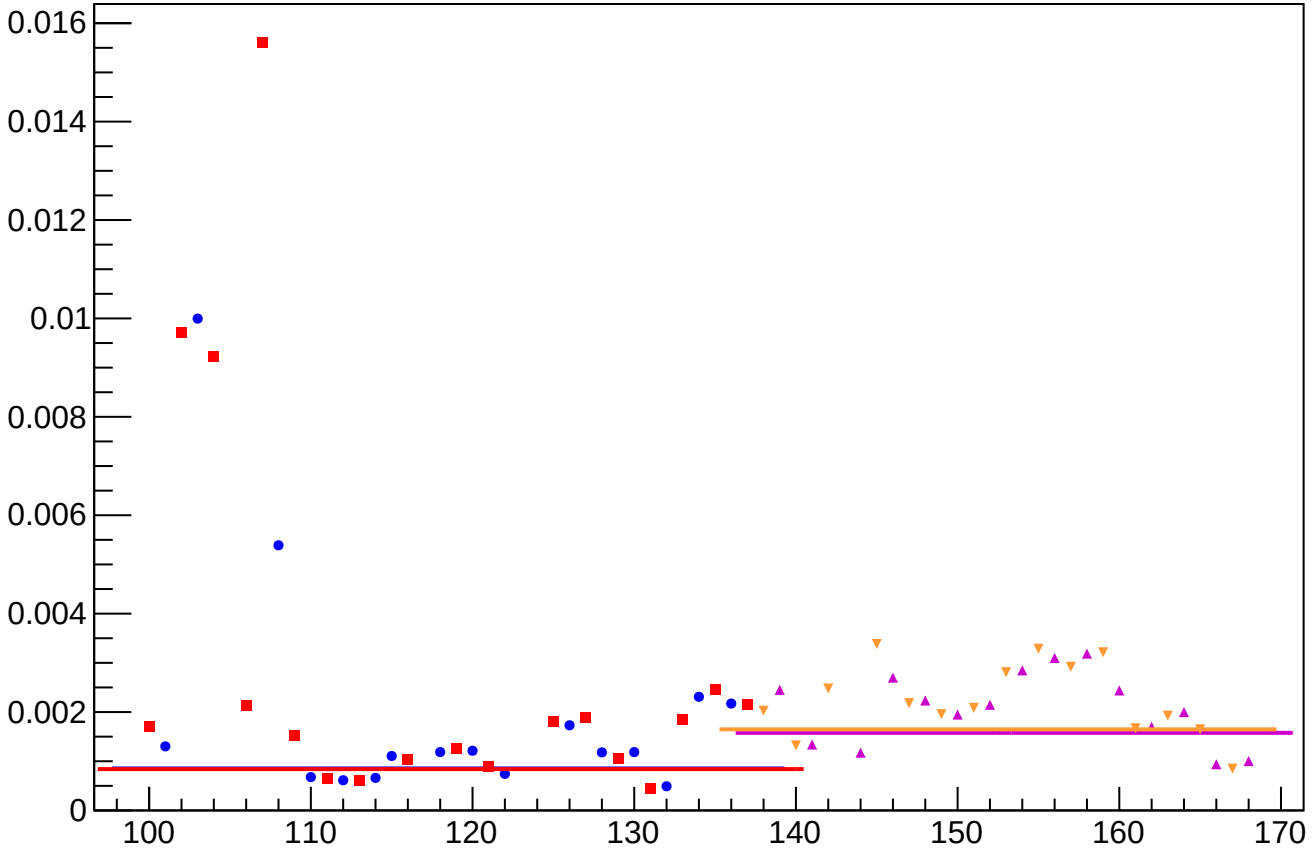
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:23.5/30

Out: -0.000+/-0.000 χ^2/NDF:77.2/32

All: 0.000+/-0.000 χ^2/NDF: 101.8/63

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:3750162.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:3502485.6/14

Left: 0.002+/-0.000 χ^2/NDF: 7271722.0/29

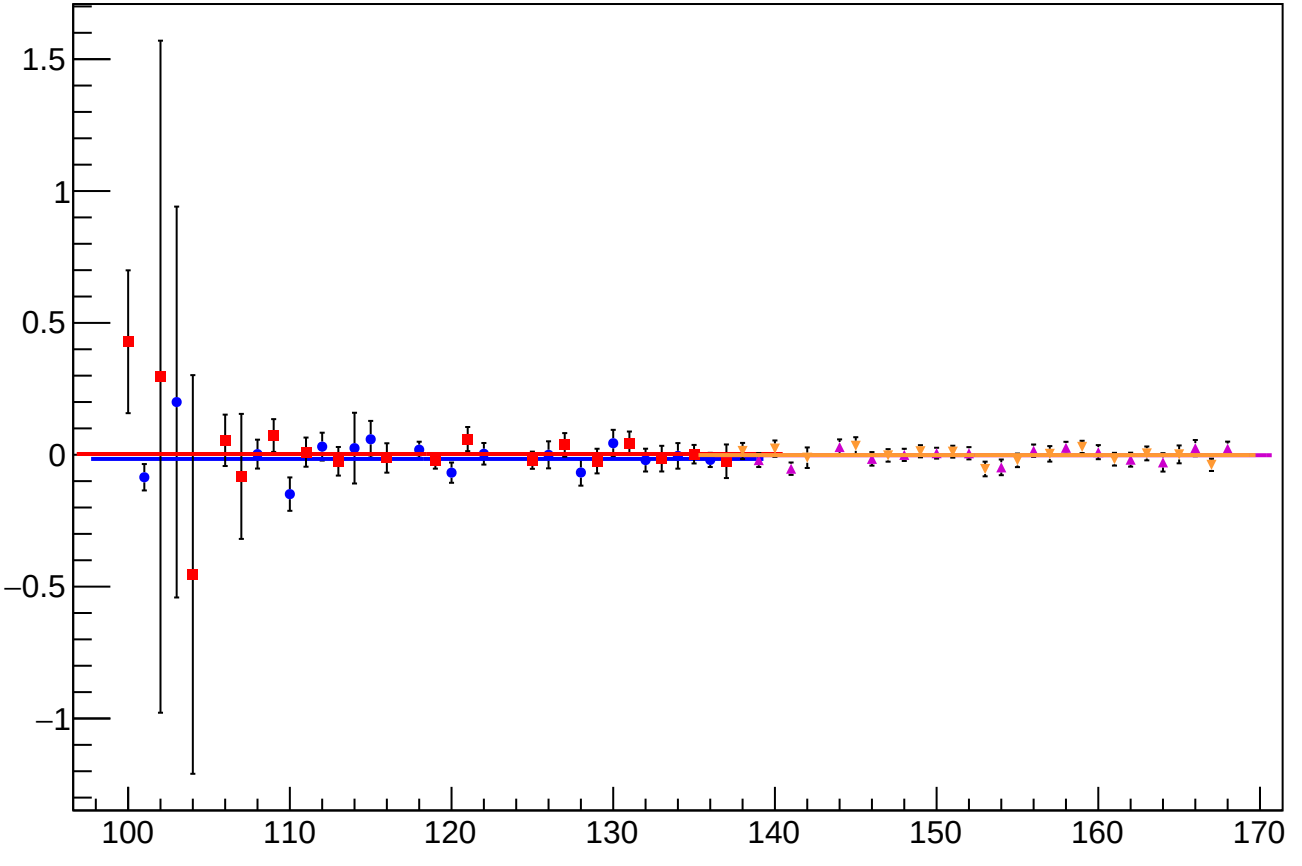
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10062299.4/30

Out: 0.001+/-0.000 χ^2/NDF:11776204.0/32

All: 0.001+/-0.000 χ^2/NDF: 21841932.6/63

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.007 χ^2/NDF:14.2/14

Left: -0.001+/-0.005 χ^2/NDF: 26.1/29

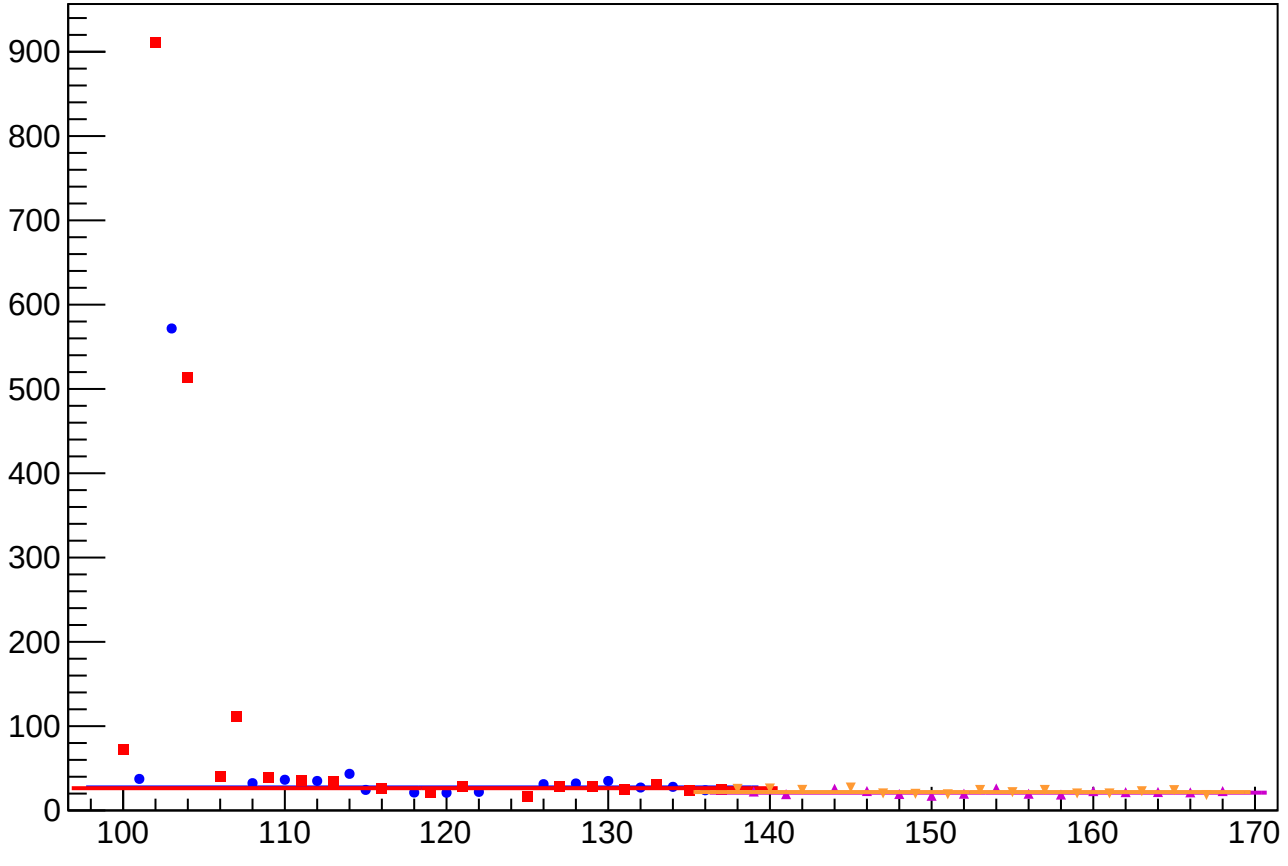
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:29.9/30

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 52.1/63

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: 21.801+/-0.005 χ^2/NDF:291961.3/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261711.6/14

Left: 21.438+/-0.003 χ^2/NDF: 564236.2/29

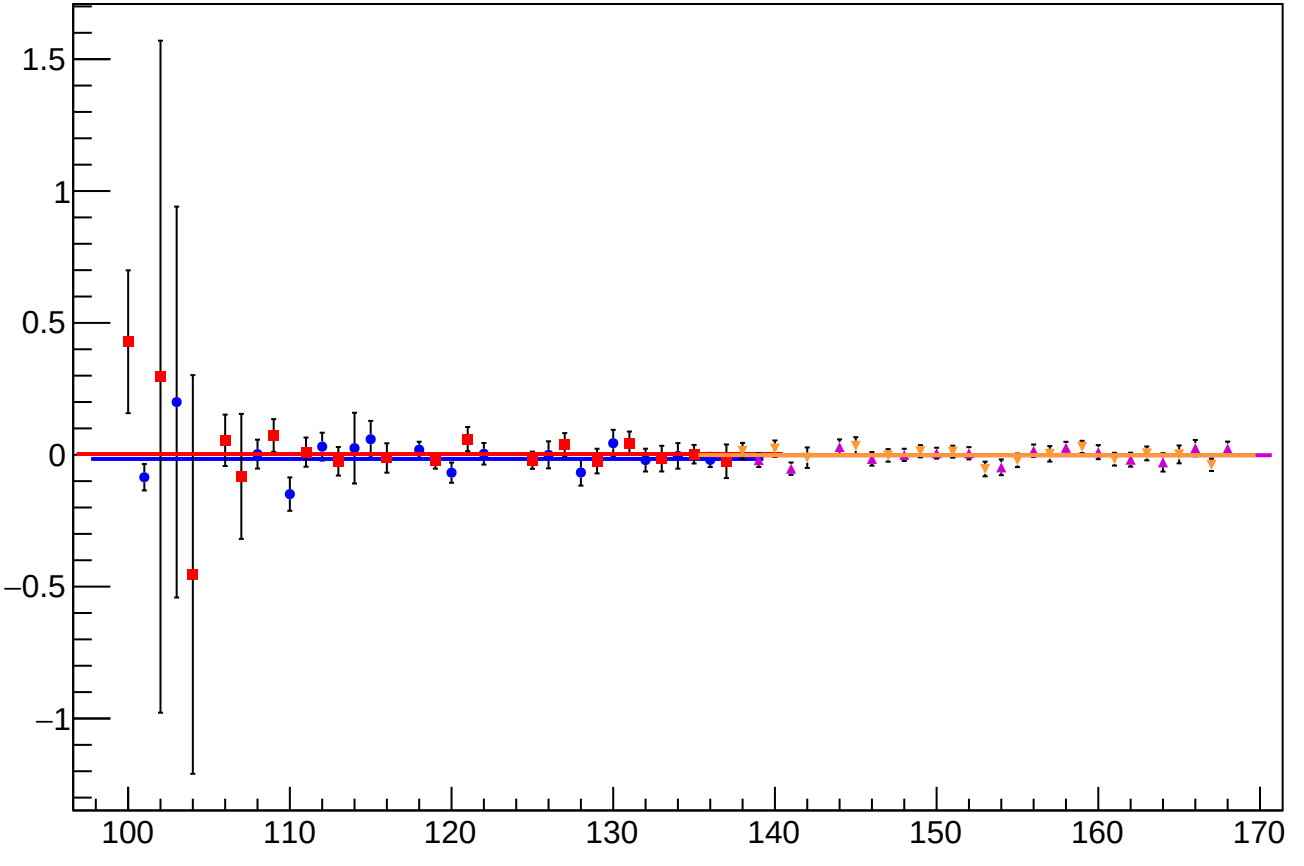
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.627+/-0.004 χ^2/NDF:2263969.4/30

Out: 22.941+/-0.004 χ^2/NDF:3126829.3/32

All: 22.777+/-0.003 χ^2/NDF: 5393665.4/63

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: -0.001+/-0.007 χ^2/NDF:11.8/14

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.007 χ^2/NDF:14.2/14

Left: -0.001+/-0.005 χ^2/NDF: 26.1/29

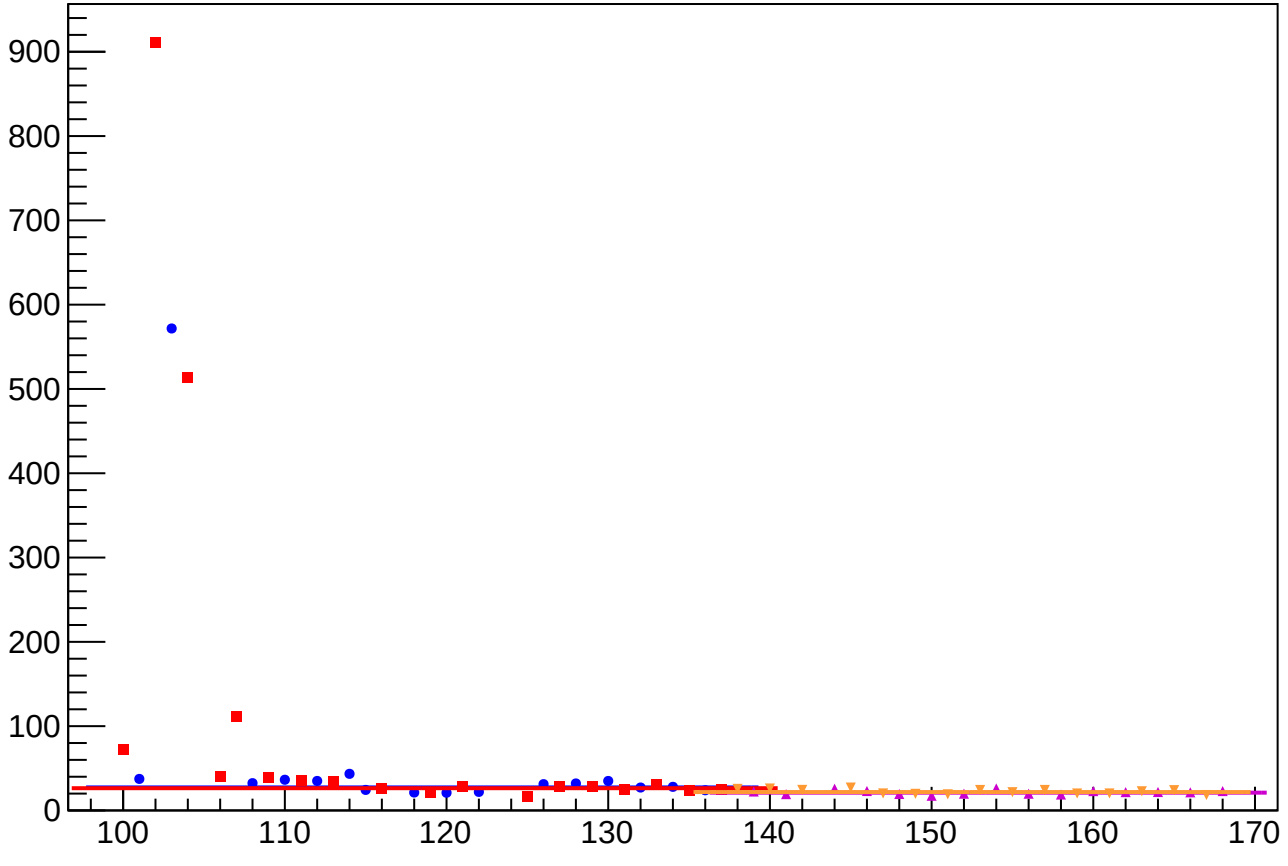
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:29.9/30

Out: -0.000+/-0.006 χ^2/NDF:21.8/32

All: -0.003+/-0.004 χ^2/NDF: 52.1/63

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: 21.801+/-0.005 χ^2/NDF:291961.3/14

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.108+/-0.005 χ^2/NDF:261711.6/14

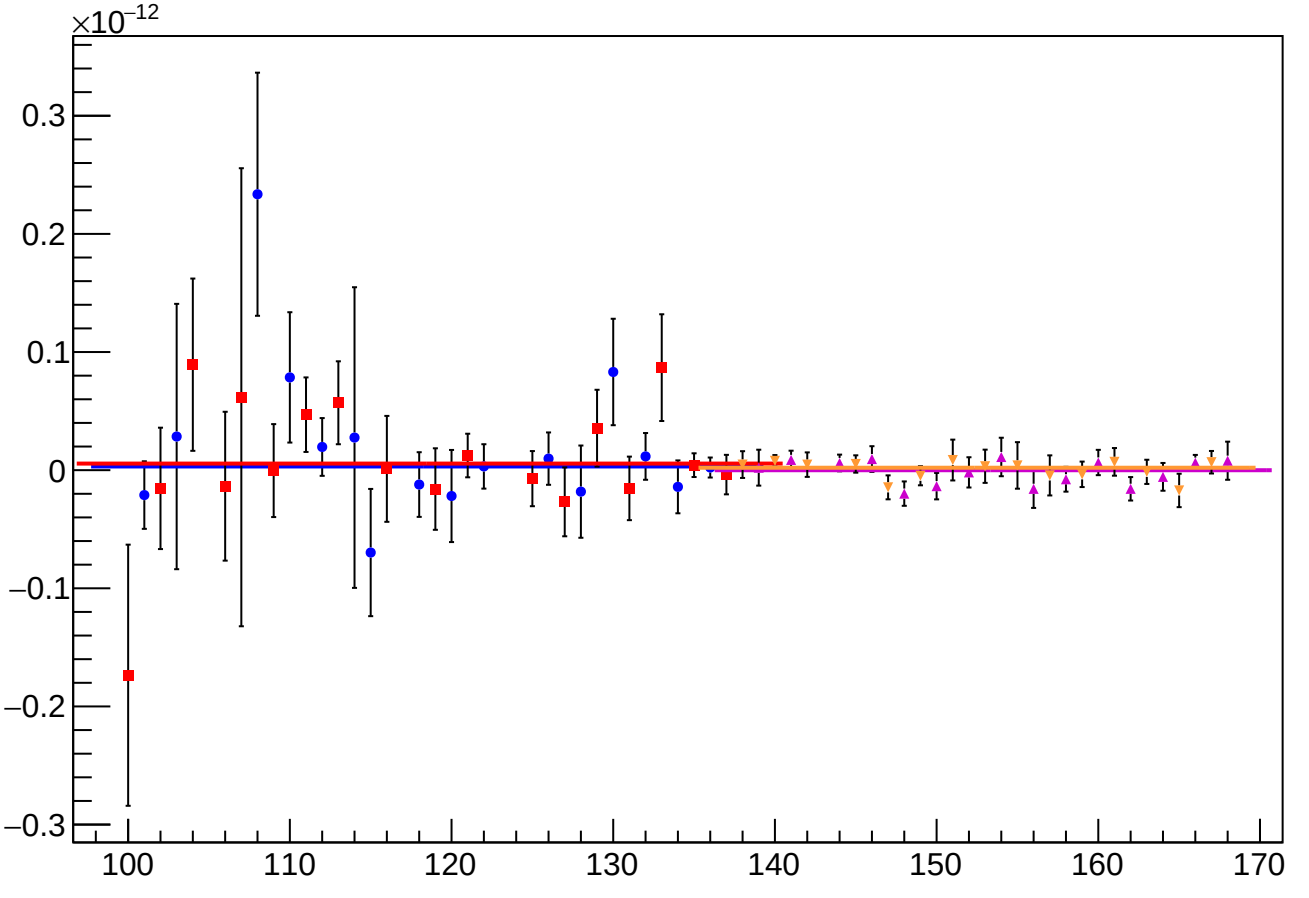
Left: 21.438+/-0.003 χ^2/NDF: 564236.2/29

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.627+/-0.004 χ^2/NDF:2263969.4/30

Out: 22.941+/-0.004 χ^2/NDF:3126829.3/32

All: 22.777+/-0.003 χ^2/NDF: 5393665.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/14

Left: 0.000+/-0.000 χ^2/NDF: 22.6/29

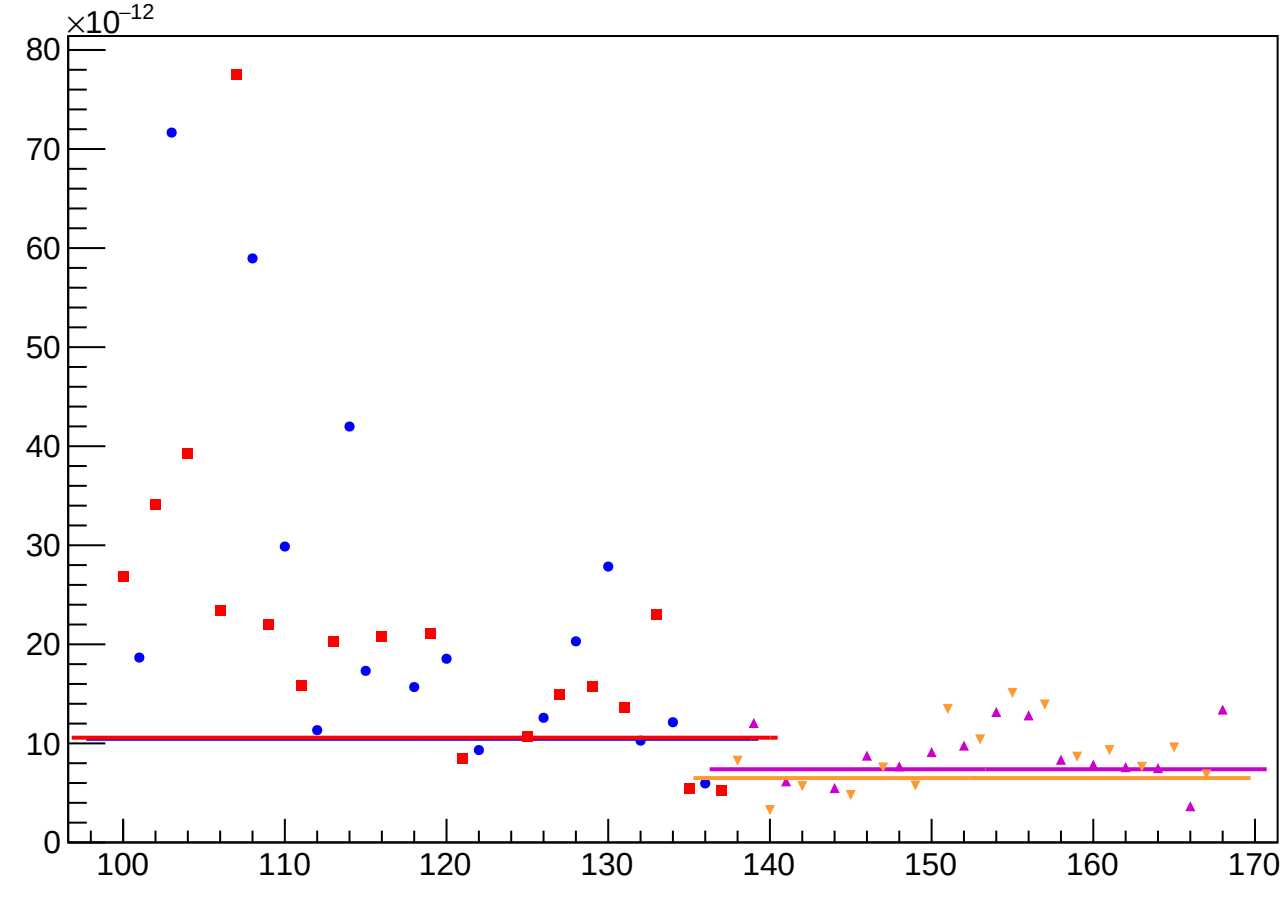
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:29.5/30

Out: 0.000+/-0.000 χ^2/NDF:23.6/32

All: 0.000+/-0.000 χ^2/NDF: 53.5/63

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:2634905.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1955630.9/14

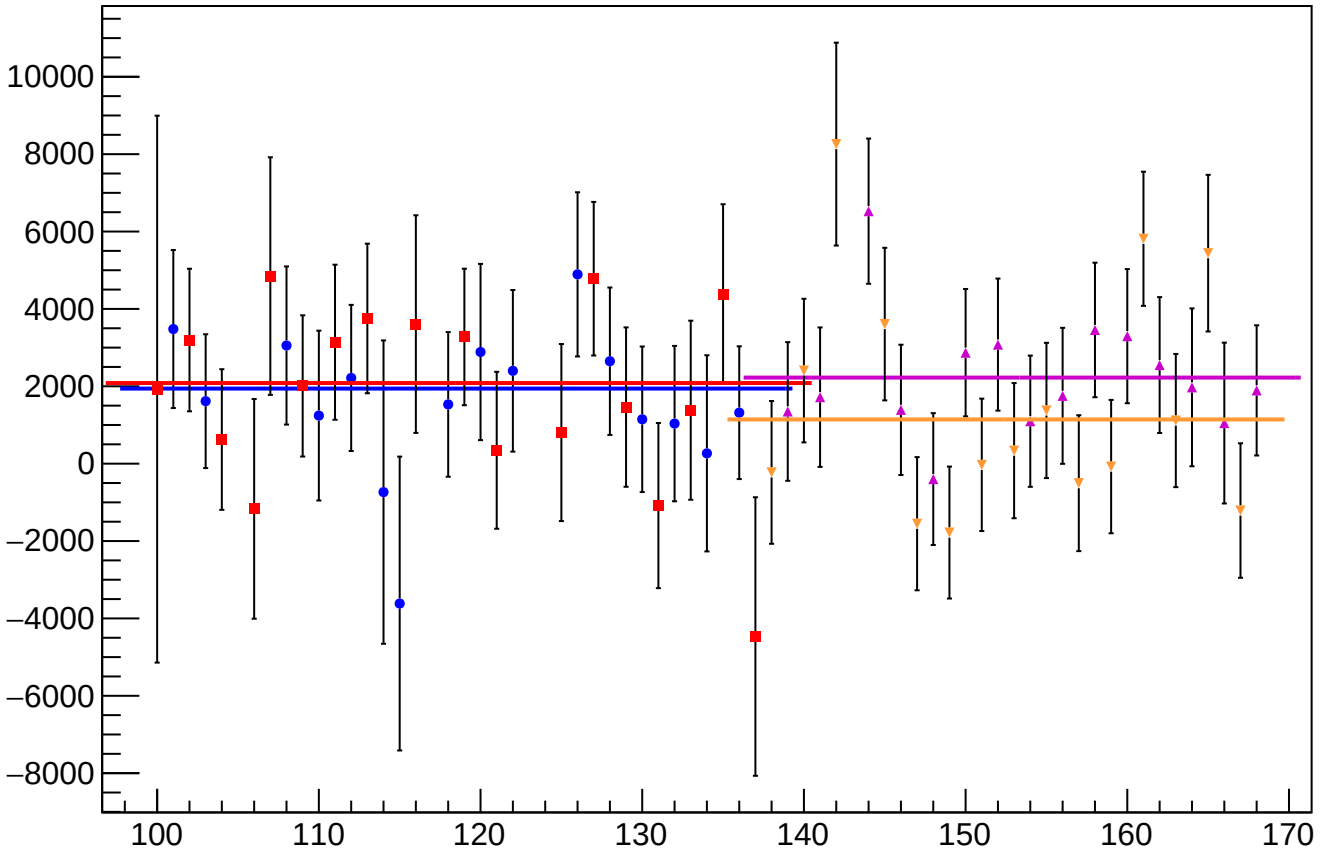
Left: 0.000+/-0.000 χ^2/NDF: 4710024.8/29

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5222753.5/30

Out: 0.000+/-0.000 χ^2/NDF:6172916.7/32

All: 0.000+/-0.000 χ^2/NDF: 11520713.7/63



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.715+/-467.743 χ^2/NDF:31.0/14

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2225.123+/-456.564 χ^2/NDF:10.4/14

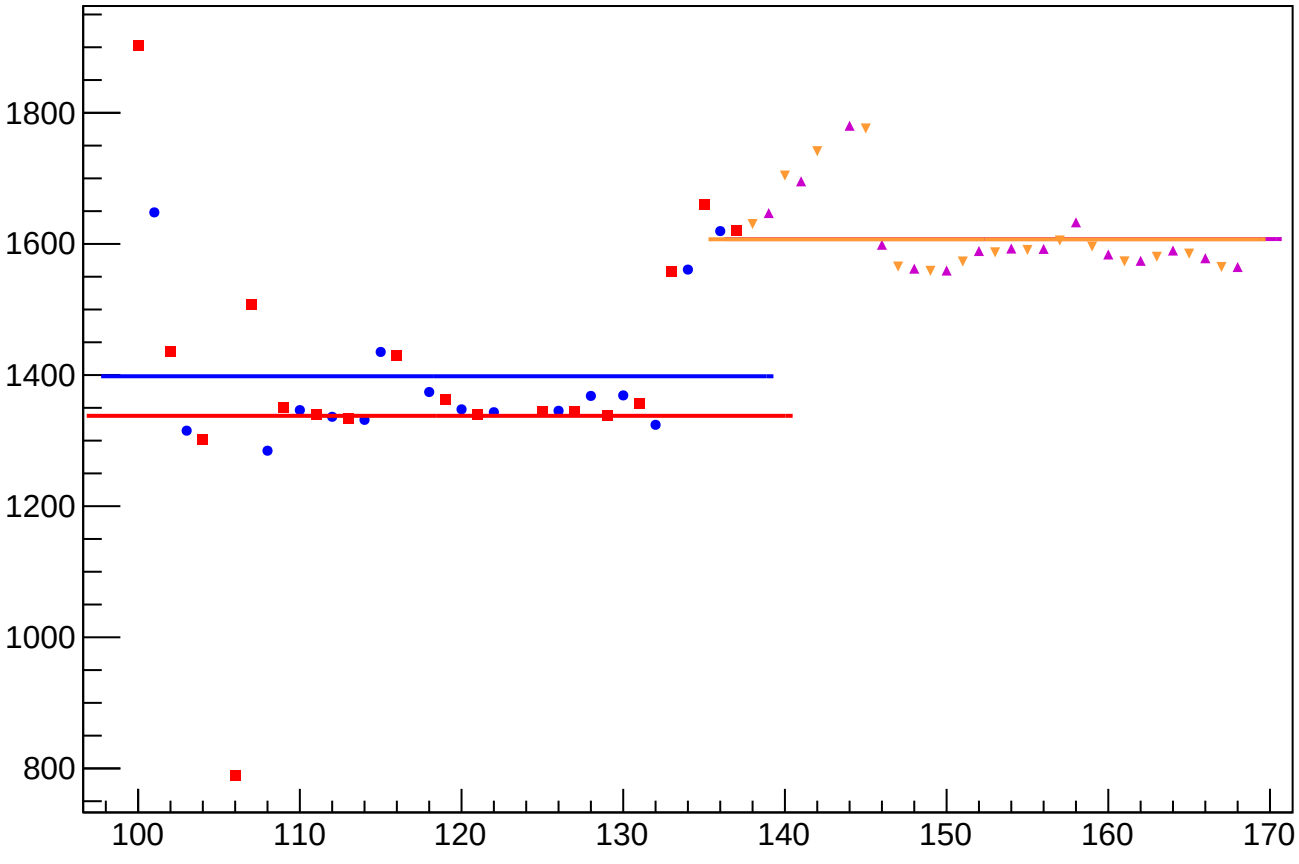
Left: 1697.008+/-326.720 χ^2/NDF: 44.1/29

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2102.012+/-343.710 χ^2/NDF:17.5/30

Out: 1564.049+/-347.631 χ^2/NDF:47.3/32

All: 1836.082+/-244.414 χ^2/NDF: 66.0/63



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.6/14

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.9/14

Left: 1607.288+/-0.231 χ^2/NDF: 62204.9/29

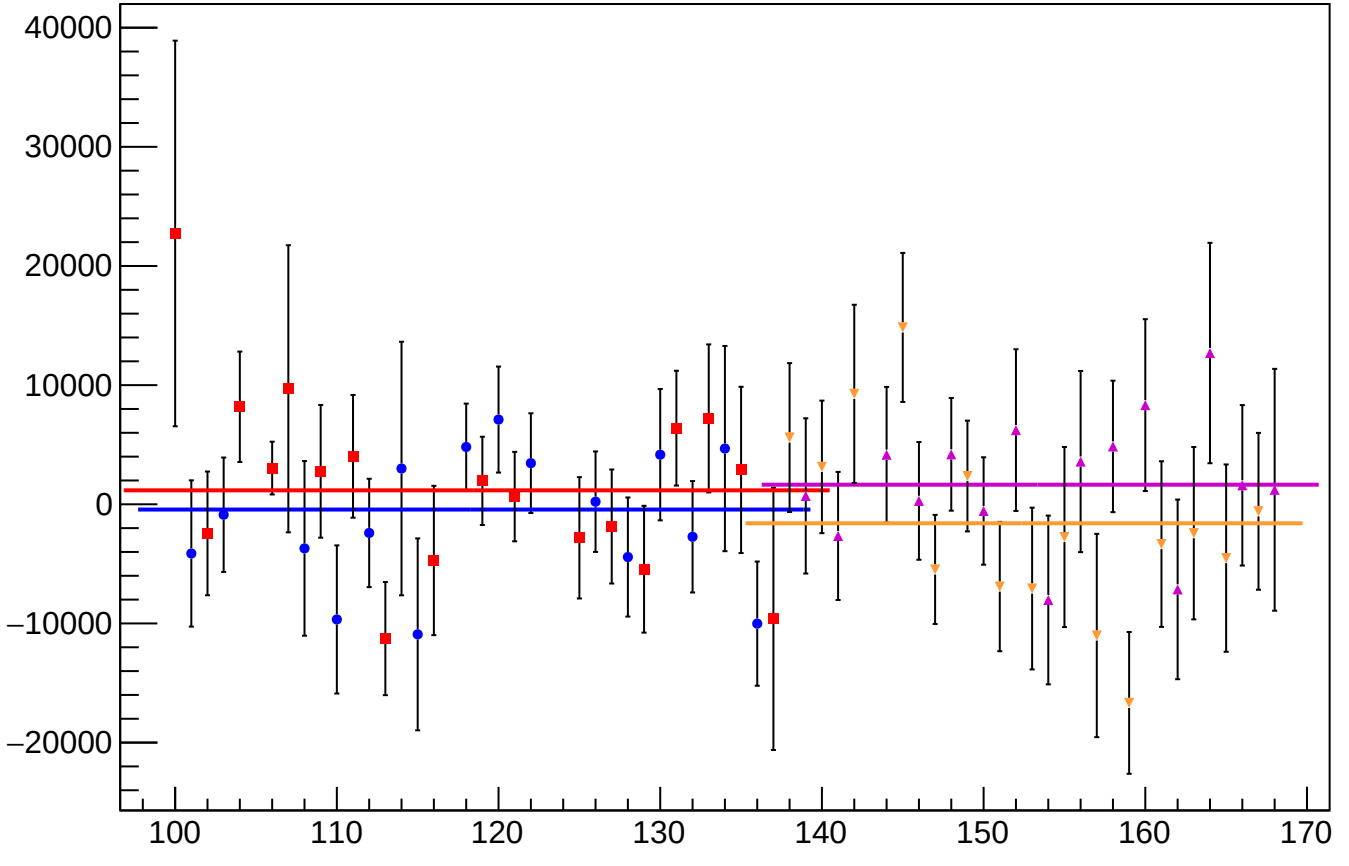
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1516.773+/-0.243 χ^2/NDF:305754.3/30

Out: 1482.323+/-0.242 χ^2/NDF:657438.2/32

All: 1499.494+/-0.172 χ^2/NDF: 973270.1/63

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1594.068+/-1602.224 χ^2/NDF:22.0/14

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1644.648+/-1589.009 χ^2/NDF:7.8/14

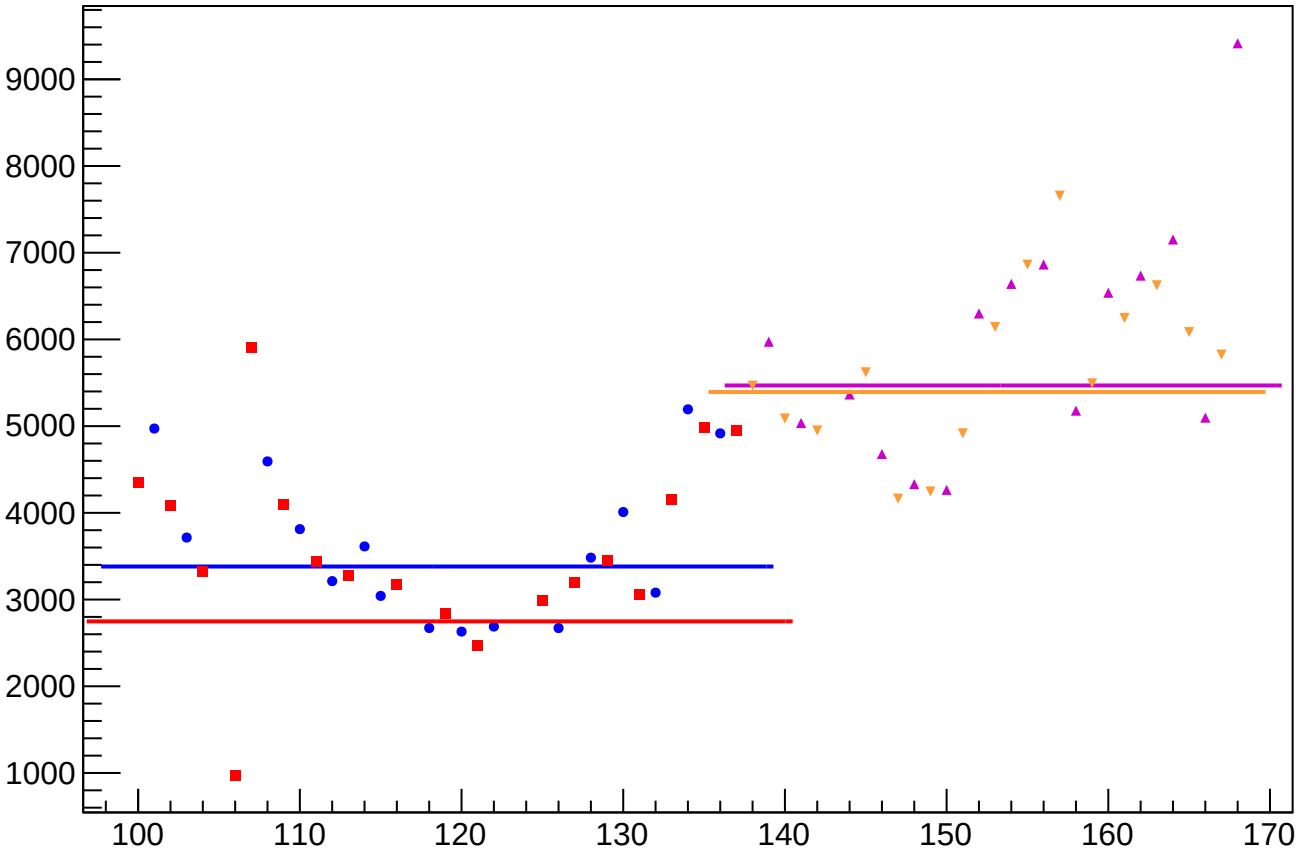
Left: 38.701+/-1128.242 χ^2/NDF: 31.9/29

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 392.015+/-1004.278 χ^2/NDF:24.8/30

Out: 263.865+/-917.898 χ^2/NDF:43.7/32

All: 322.193+/-677.536 χ^2/NDF: 68.5/63



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5393.803+/-1.133 χ^2/NDF:650696.2/14

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5468.911+/-1.124 χ^2/NDF:967793.2/14

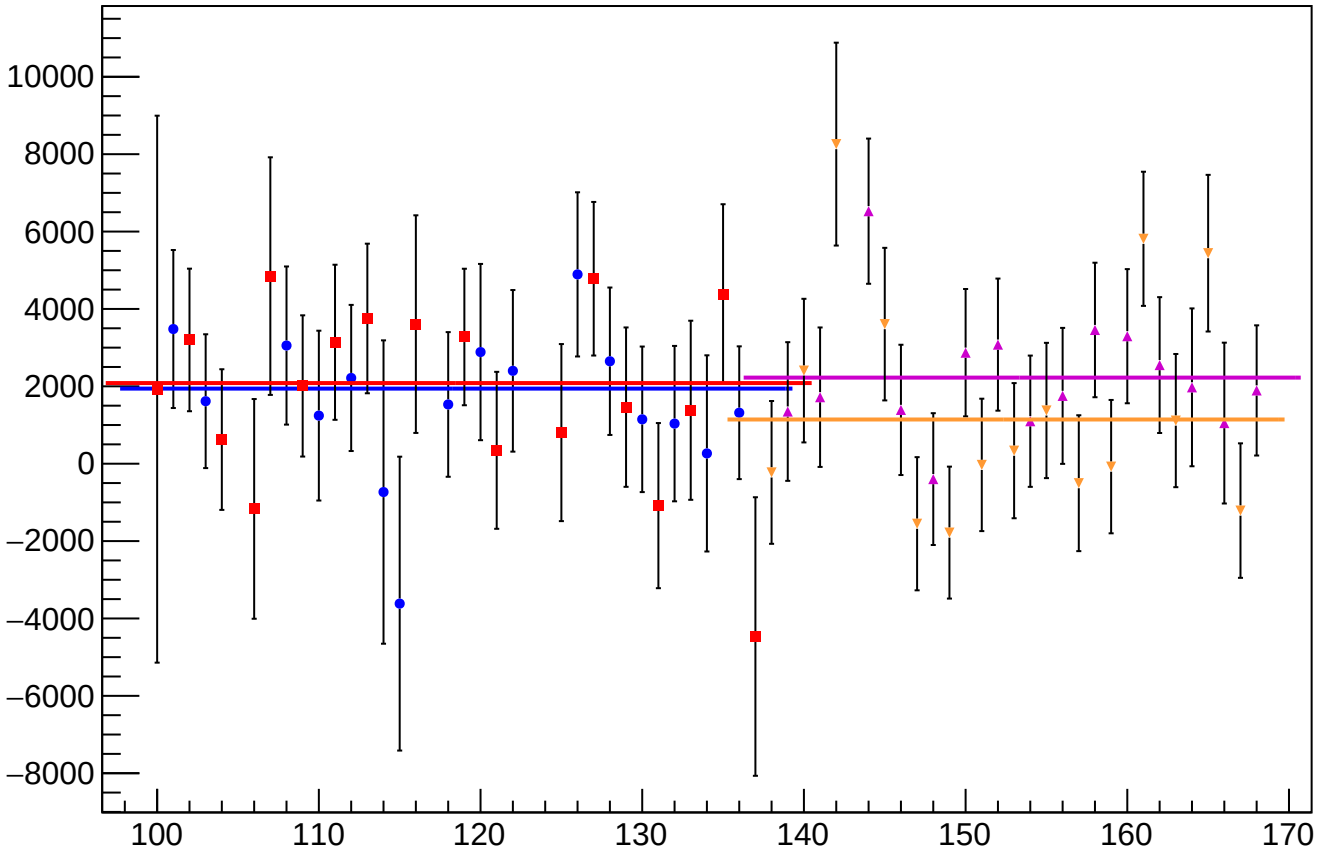
Left: 5431.668+/-0.798 χ^2/NDF: 1620705.1/29

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4215.072+/-0.710 χ^2/NDF:3798451.6/30

Out: 3616.610+/-0.649 χ^2/NDF:6578071.7/32

All: 3889.001+/-0.479 χ^2/NDF: 10763488.4/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2225.241+/-456.564 χ^2/NDF:10.4/14

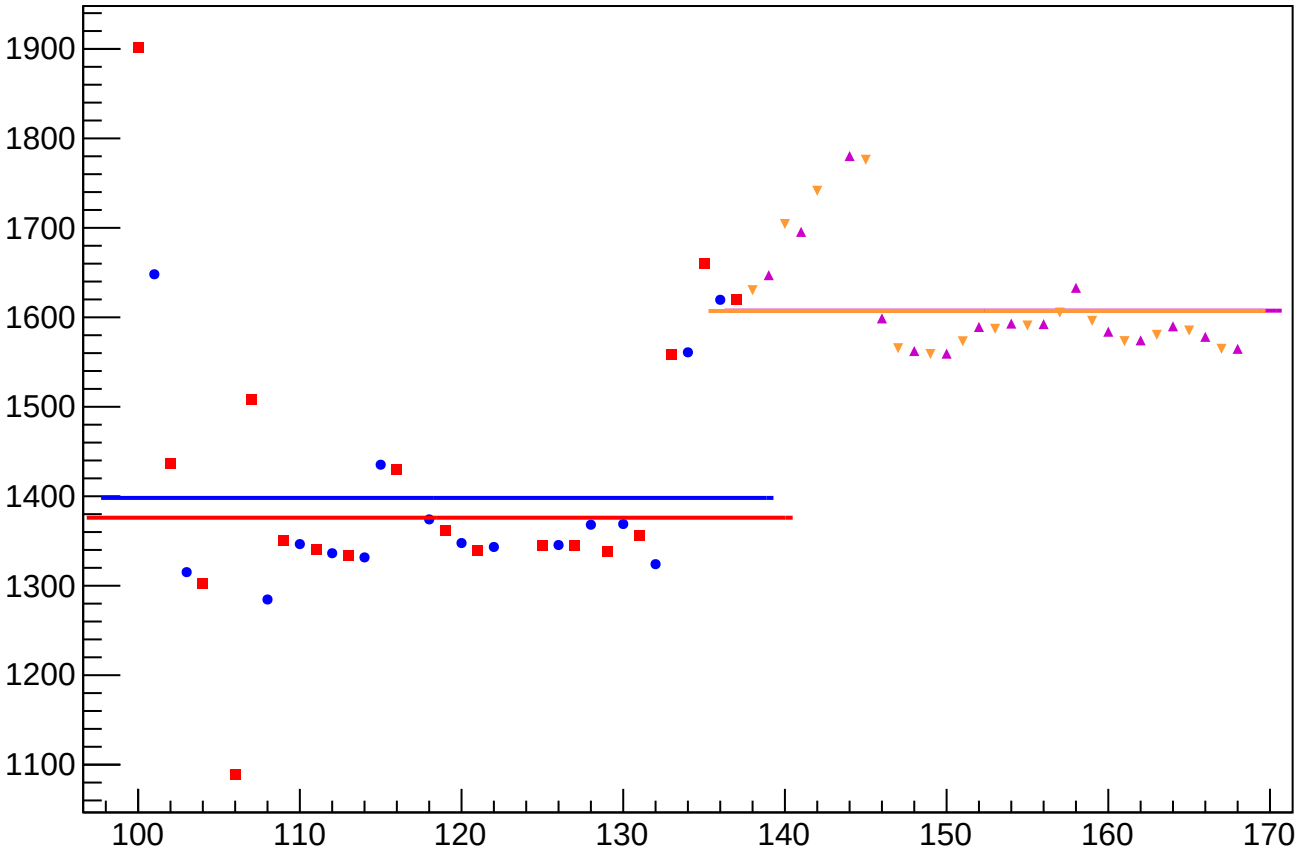
Left: 1697.087+/-326.720 χ^2/NDF: 44.2/29

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2102.103+/-343.710 χ^2/NDF:17.5/30

Out: 1564.164+/-347.632 χ^2/NDF:47.3/32

All: 1836.185+/-244.415 χ^2/NDF: 66.0/63



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.8/14

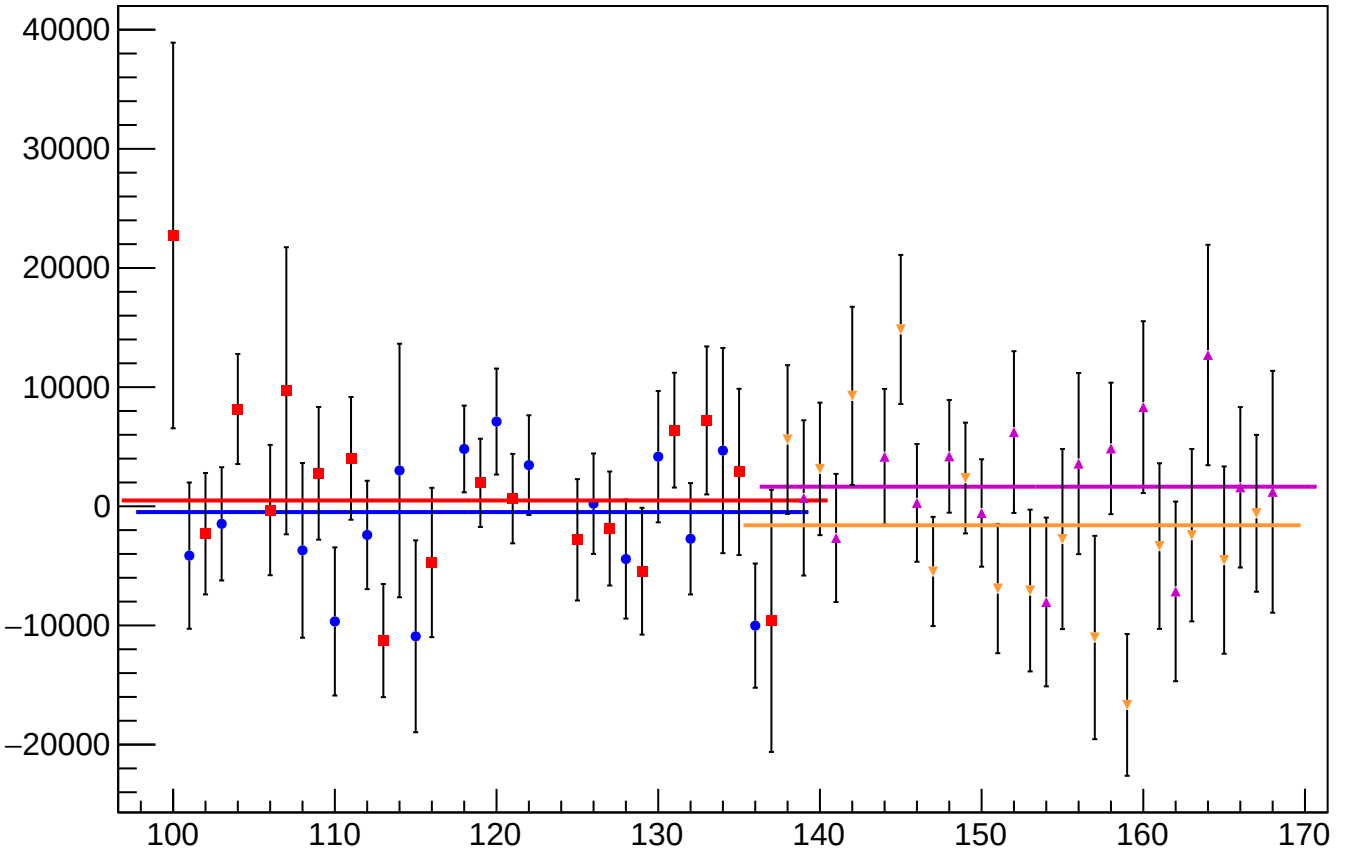
Left: 1607.288+/-0.231 χ^2/NDF: 62204.9/29

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1516.773+/-0.243 χ^2/NDF:305754.5/30

Out: 1502.139+/-0.244 χ^2/NDF:368265.9/32

All: 1509.495+/-0.172 χ^2/NDF: 675823.7/63



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1594.096+/-1602.224 χ^2/NDF:22.0/14

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1644.765+/-1589.008 χ^2/NDF:7.8/14

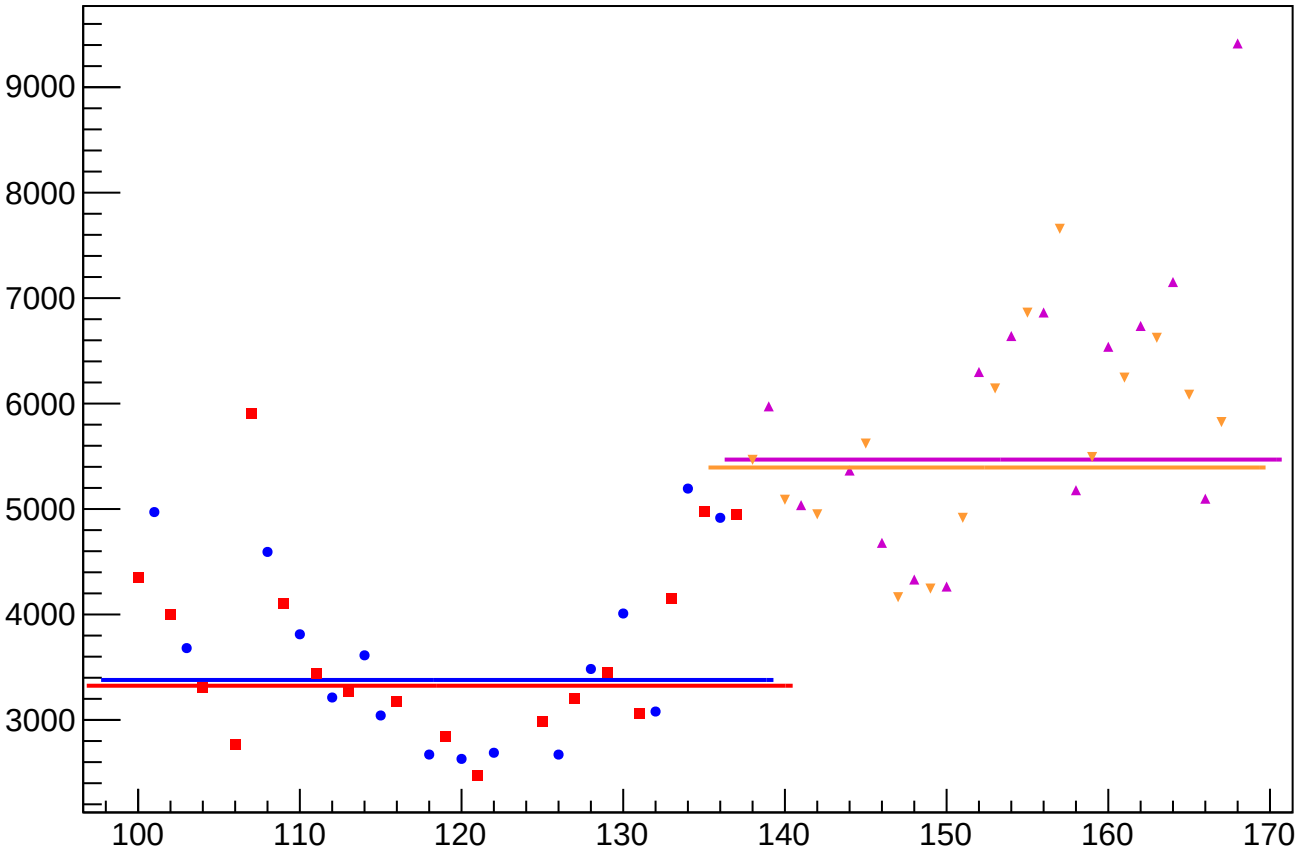
Left: 38.748+/-1128.242 χ^2/NDF: 31.9/29

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 364.004+/-1003.819 χ^2/NDF:24.9/30

Out: -308.268+/-991.066 χ^2/NDF:41.8/32

All: 23.571+/-705.255 χ^2/NDF: 66.9/63



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF:650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5468.907+/-1.124 χ^2/NDF:967802.6/14

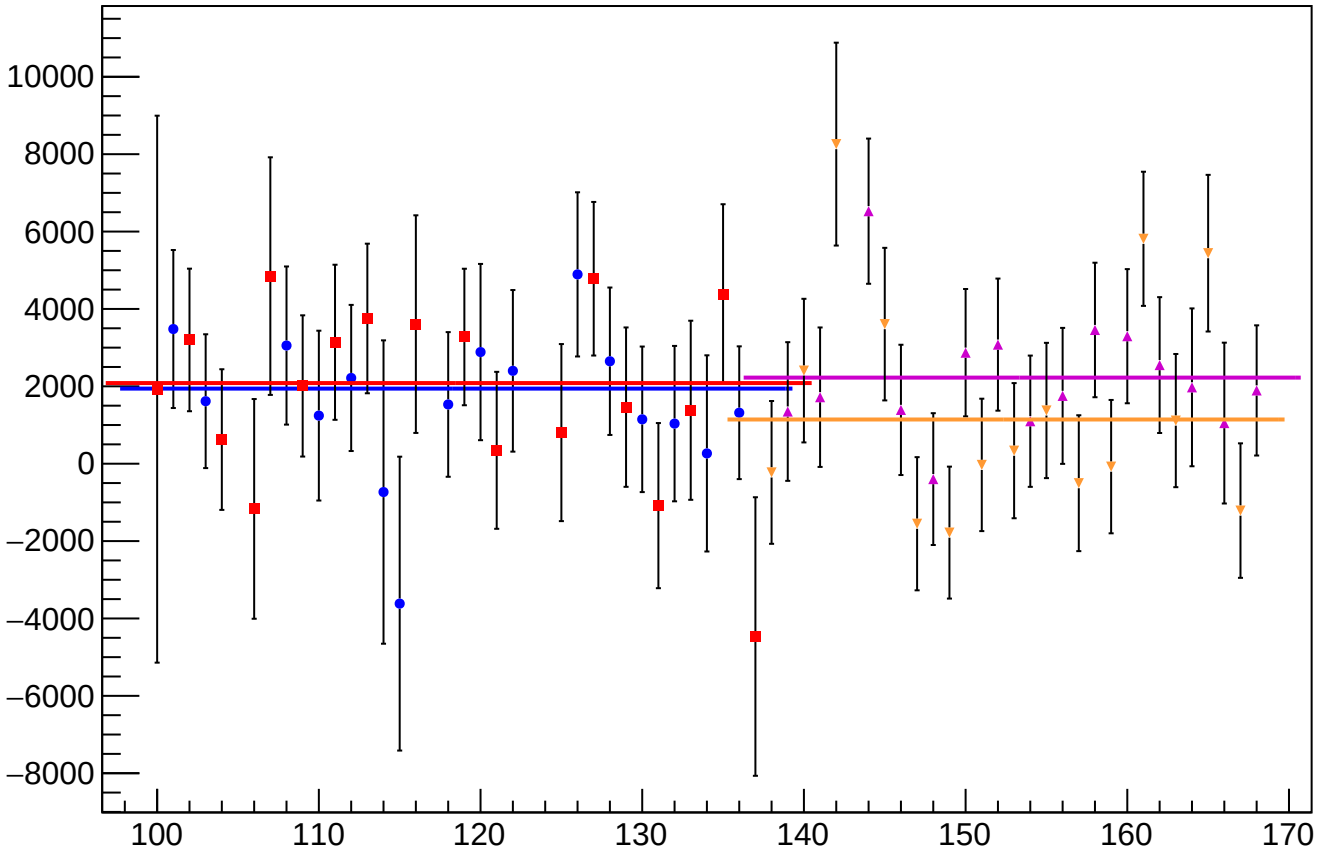
Left: 5431.667+/-0.798 χ^2/NDF: 1620711.4/29

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4213.103+/-0.710 χ^2/NDF:3801898.1/30

Out: 4116.210+/-0.701 χ^2/NDF:3254242.7/32

All: 4164.037+/-0.499 χ^2/NDF: 7065576.9/63



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1142.755+/-467.743 χ^2/NDF:31.0/14

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2225.241+/-456.564 χ^2/NDF:10.4/14

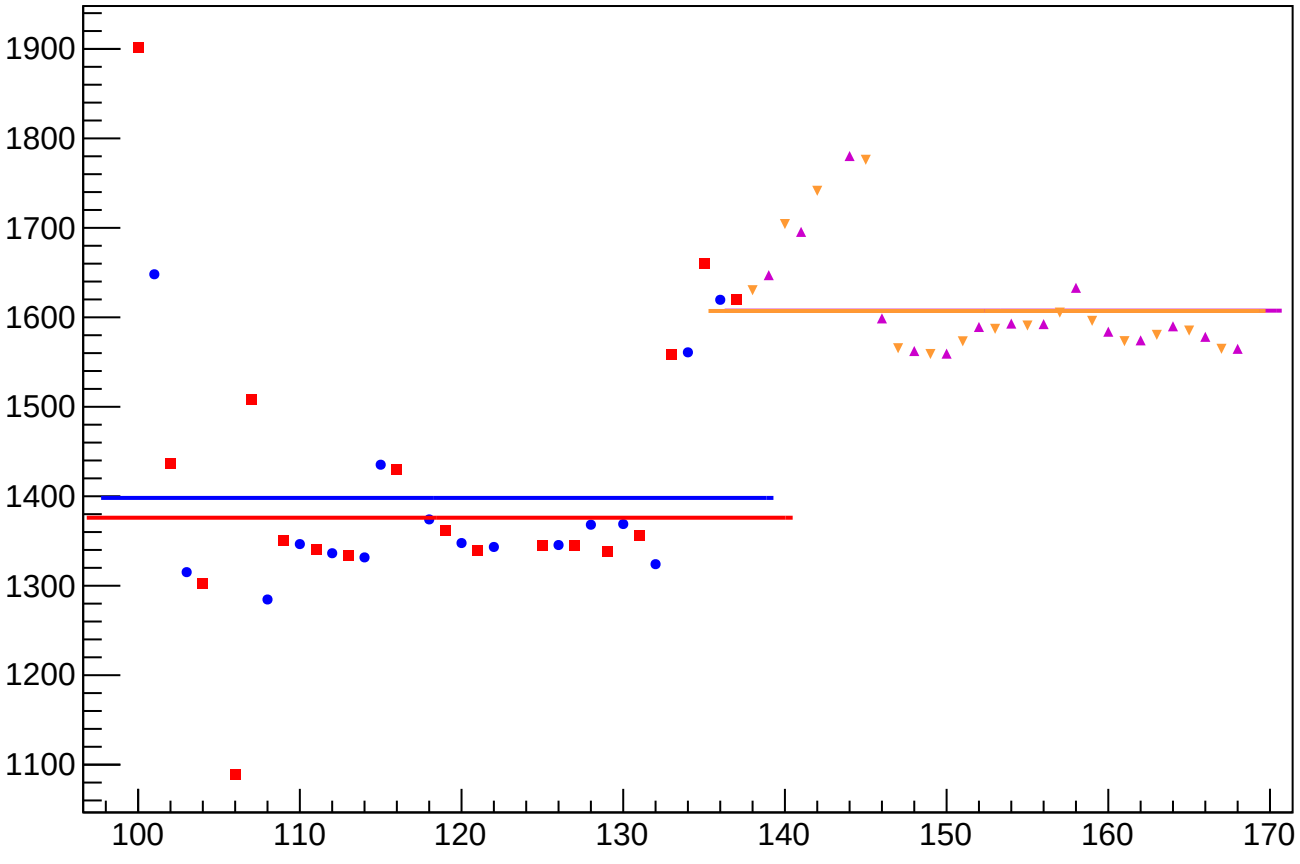
Left: 1697.087+/-326.720 χ^2/NDF: 44.2/29

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2102.103+/-343.710 χ^2/NDF:17.5/30

Out: 1564.164+/-347.632 χ^2/NDF:47.3/32

All: 1836.185+/-244.415 χ^2/NDF: 66.0/63



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1607.117+/-0.331 χ^2/NDF:32461.5/14

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1607.452+/-0.323 χ^2/NDF:29742.8/14

Left: 1607.288+/-0.231 χ^2/NDF: 62204.9/29

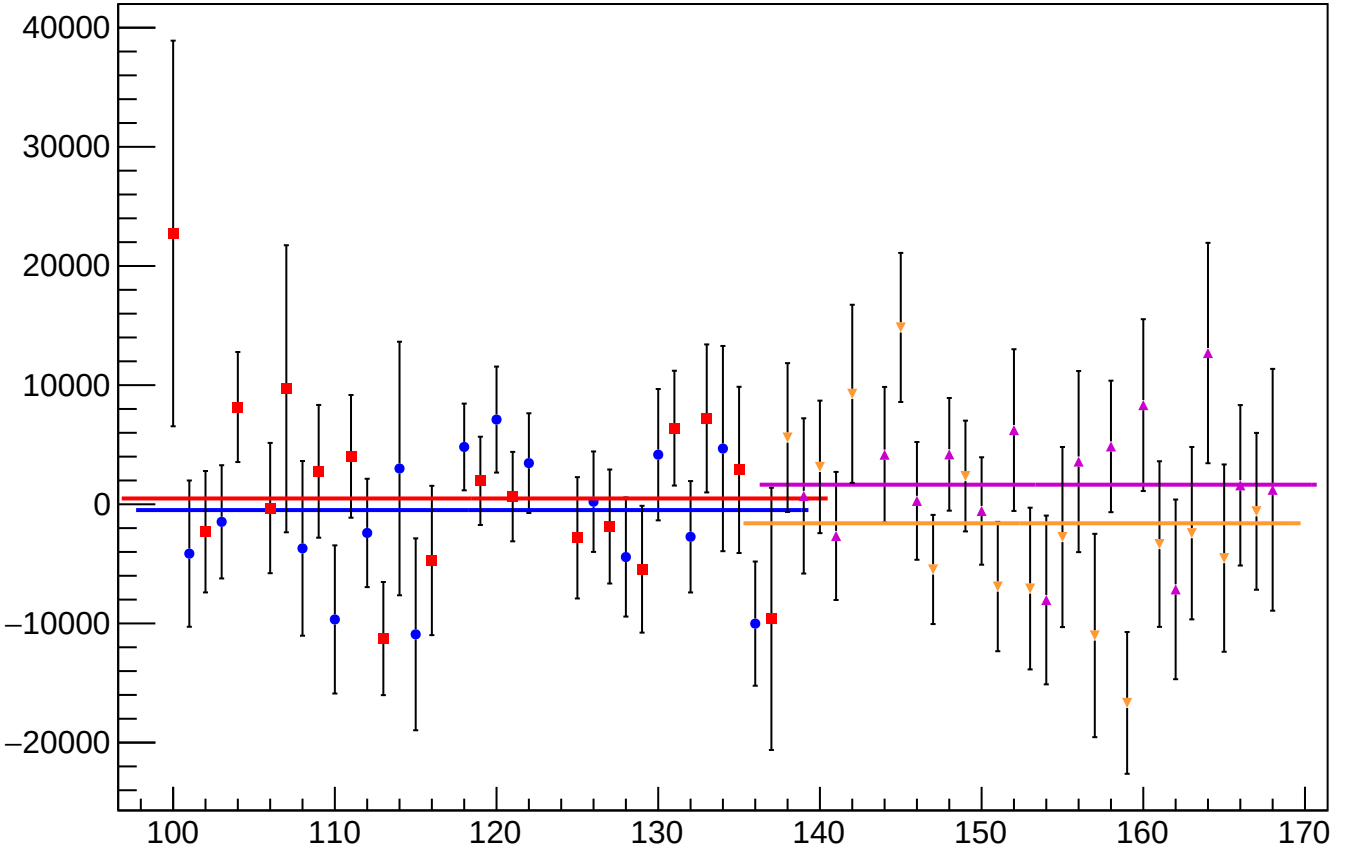
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1516.773+/-0.243 χ^2/NDF:305754.5/30

Out: 1502.139+/-0.244 χ^2/NDF:368265.9/32

All: 1509.495+/-0.172 χ^2/NDF: 675823.7/63

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: -1594.096+/-1602.224 χ^2/NDF:22.0/14

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1644.765+/-1589.008 χ^2/NDF:7.8/14

Left: 38.748+/-1128.242 χ^2/NDF: 31.9/29

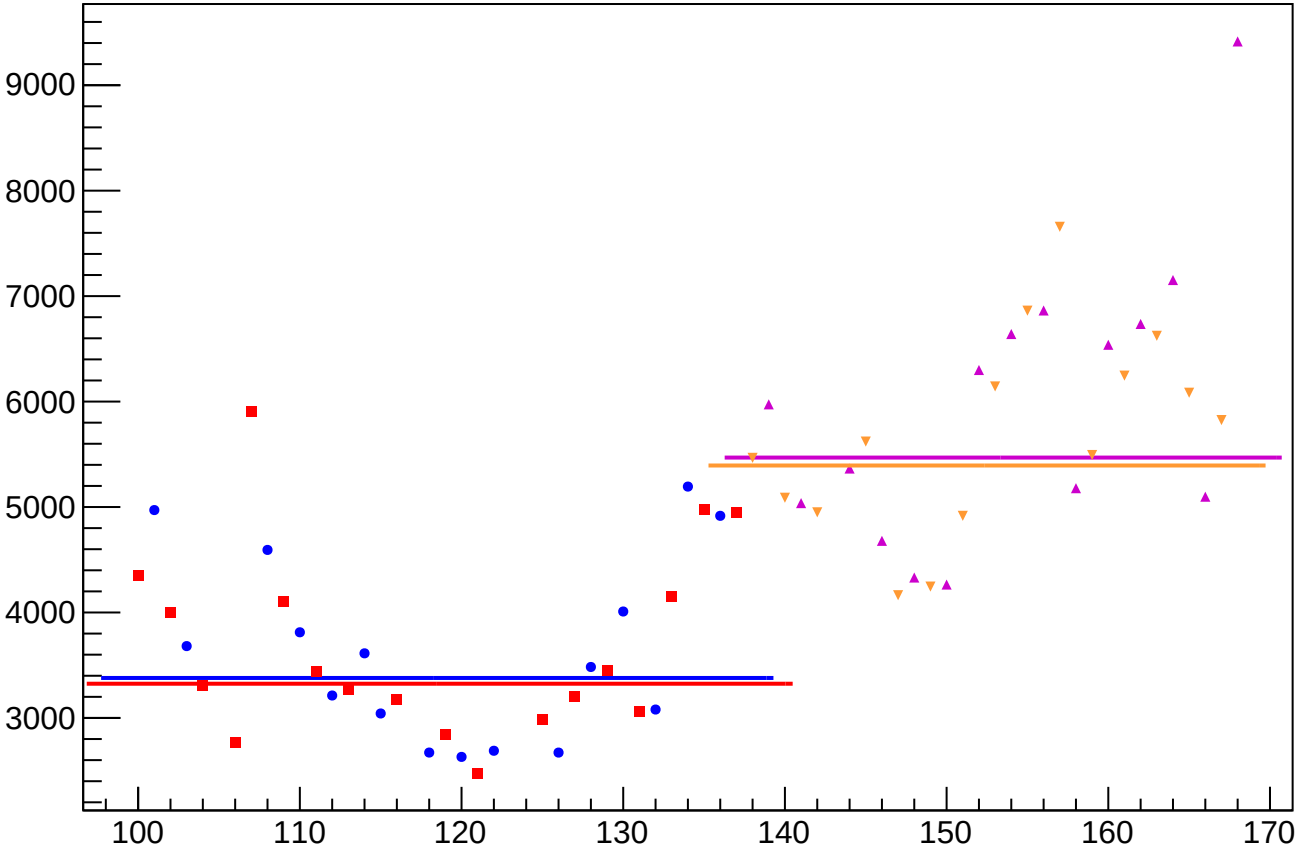
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 364.004+/-1003.819 χ^2/NDF:24.9/30

Out: -308.268+/-991.066 χ^2/NDF:41.8/32

All: 23.571+/-705.255 χ^2/NDF: 66.9/63

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5393.805+/-1.133 χ^2/NDF:650693.4/14

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5468.907+/-1.124 χ^2/NDF:967802.6/14

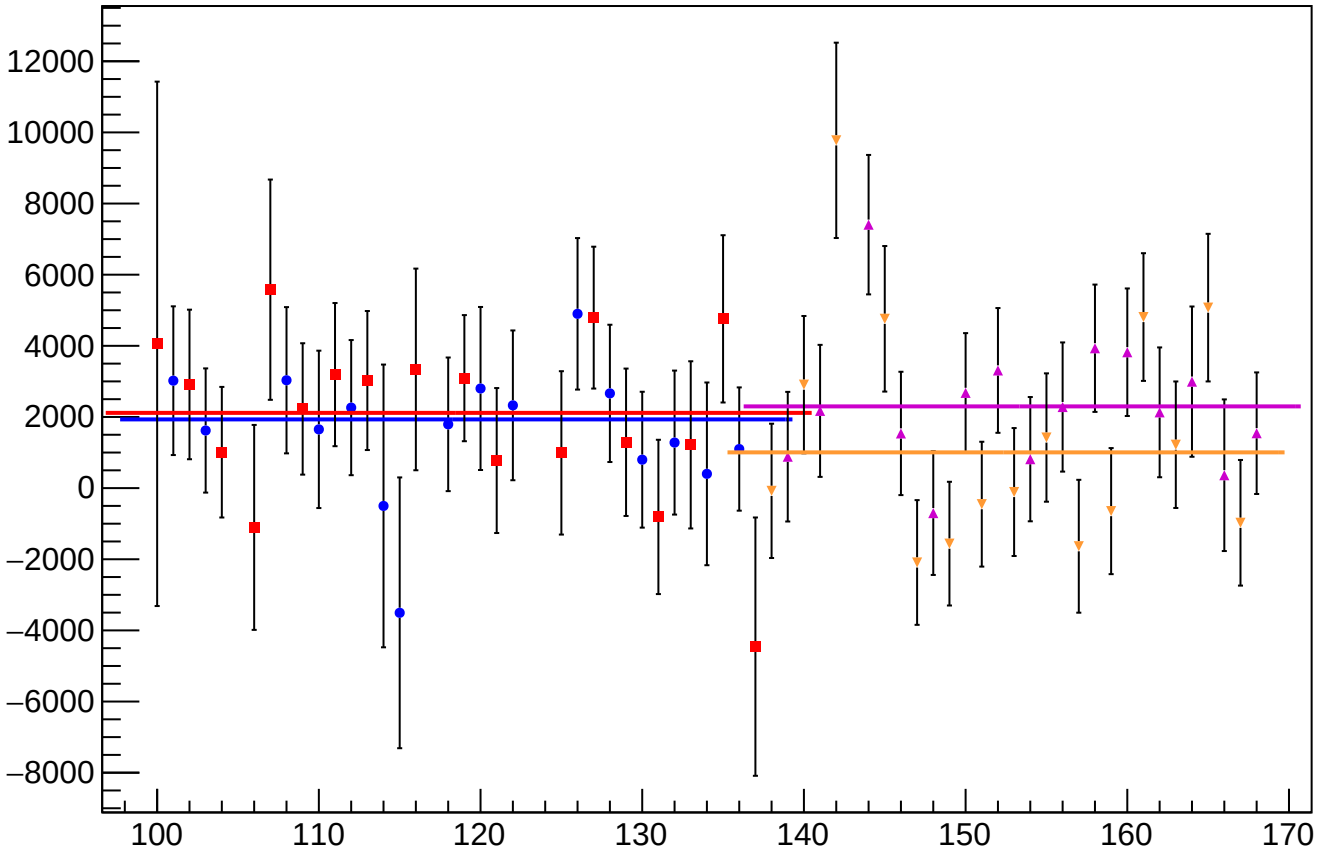
Left: 5431.667+/-0.798 χ^2/NDF: 1620711.4/29

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4213.103+/-0.710 χ^2/NDF:3801898.1/30

Out: 4116.210+/-0.701 χ^2/NDF:3254242.7/32

All: 4164.037+/-0.499 χ^2/NDF: 7065576.9/63



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.726+/-482.110 χ^2/NDF:33.8/14

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2297.495+/-469.519 χ^2/NDF:14.4/14

Left: 1668.212+/-336.363 χ^2/NDF: 51.8/29

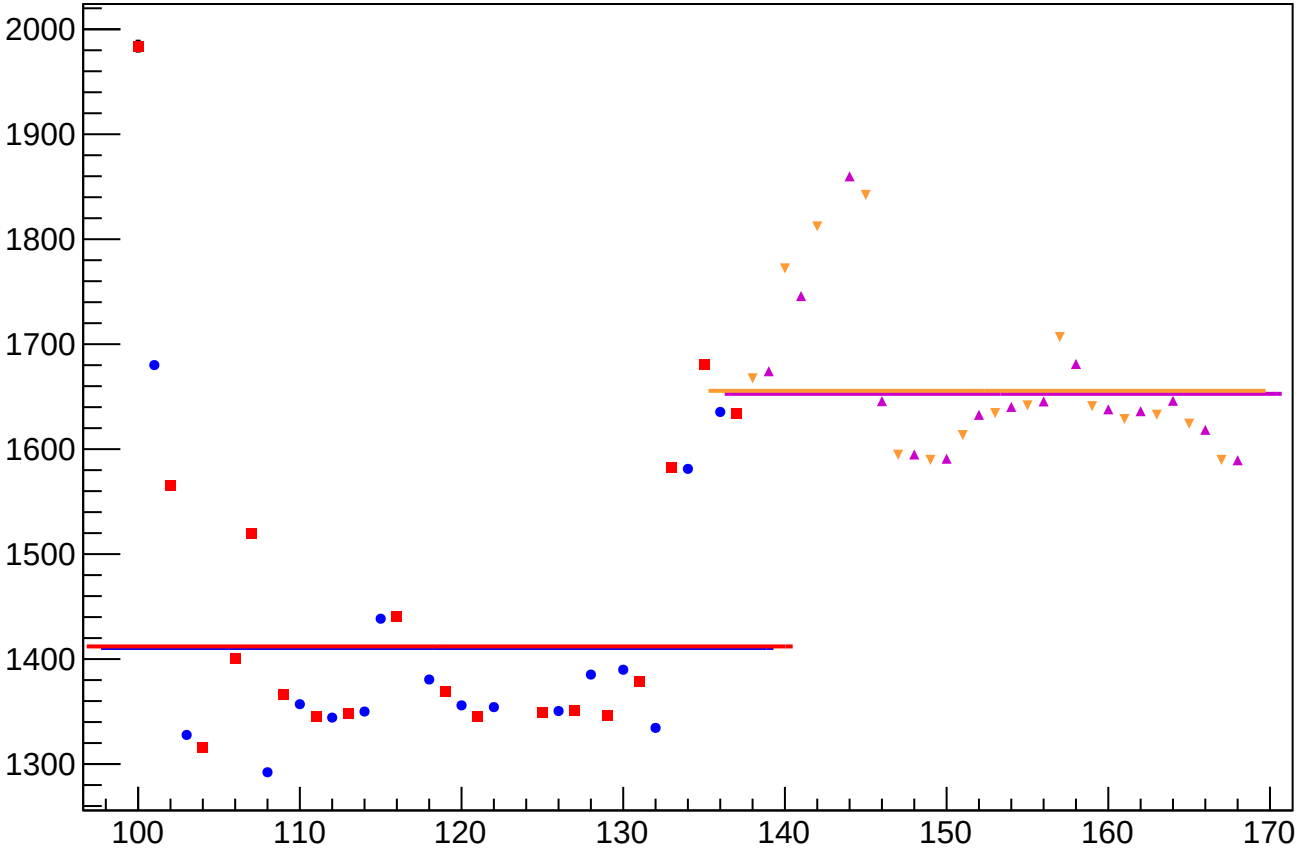
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2135.601+/-350.607 χ^2/NDF:21.0/30

Out: 1508.778+/-356.269 χ^2/NDF:49.4/32

All: 1827.210+/-249.895 χ^2/NDF: 72.0/63

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.566+/-0.341 χ^2/NDF:43013.9/14

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1652.705+/-0.332 χ^2/NDF:37096.2/14

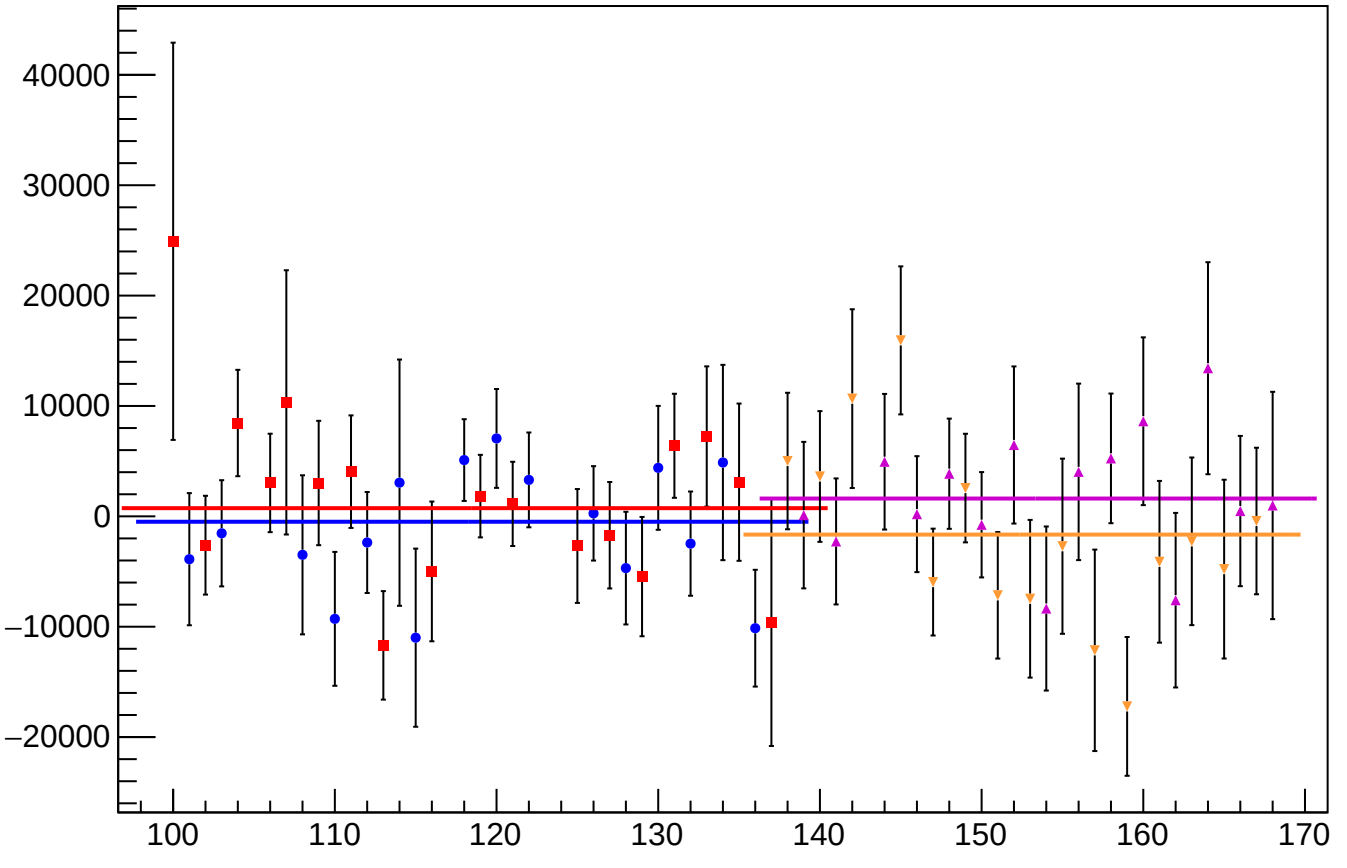
Left: 1654.098+/-0.238 χ^2/NDF: 80146.3/29

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1545.600+/-0.248 χ^2/NDF:371505.9/30

Out: 1544.708+/-0.252 χ^2/NDF:365011.4/32

All: 1545.161+/-0.177 χ^2/NDF: 736523.6/63



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1653.514+/-1682.493 χ^2/NDF:22.0/14

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1612.292+/-1671.866 χ^2/NDF:7.8/14

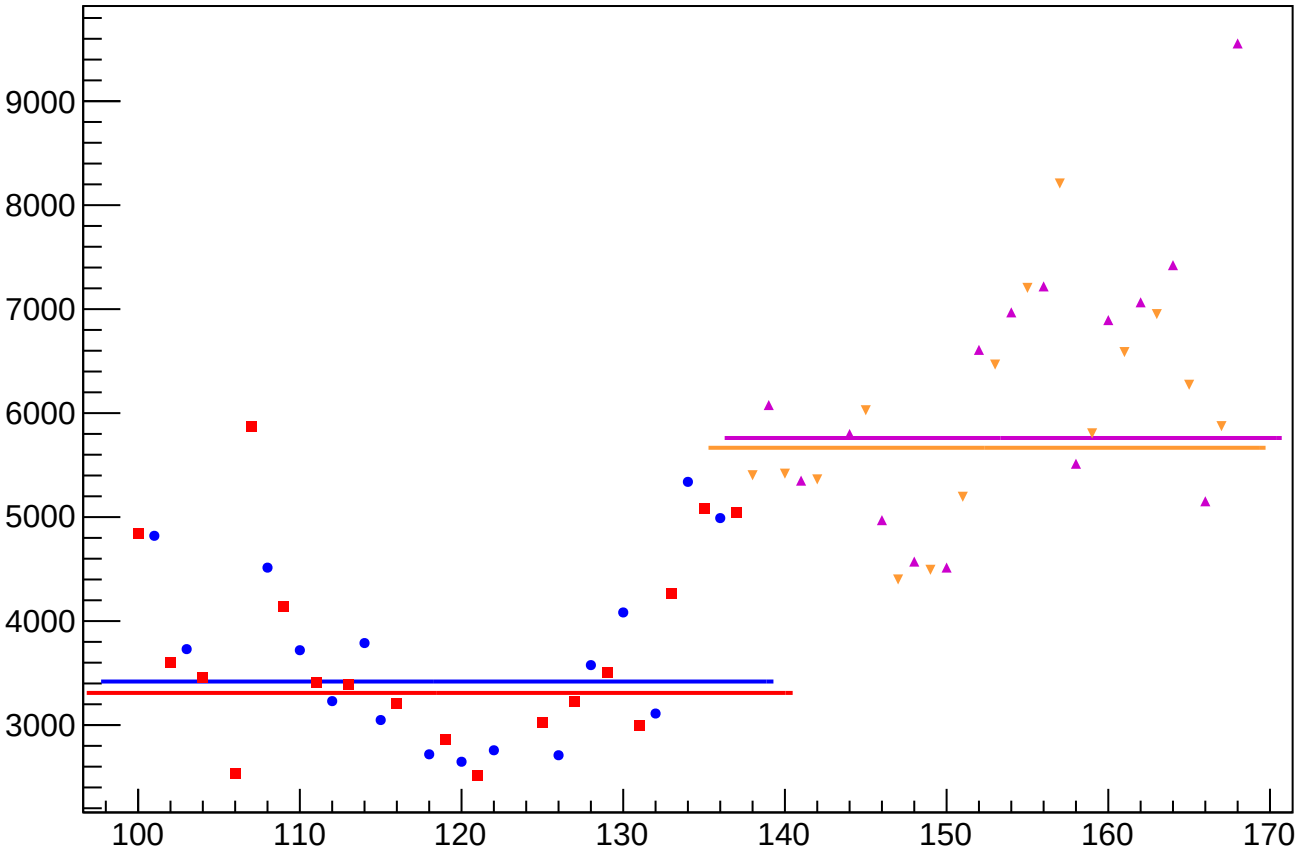
Left: -10.264+/-1185.927 χ^2/NDF: 31.7/29

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 309.105+/-1030.519 χ^2/NDF:24.6/30

Out: -109.085+/-1002.325 χ^2/NDF:42.5/32

All: 94.211+/-718.512 χ^2/NDF: 67.2/63



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5666.690+/-1.190 χ^2/NDF:638389.7/14

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5760.767+/-1.182 χ^2/NDF:907553.7/14

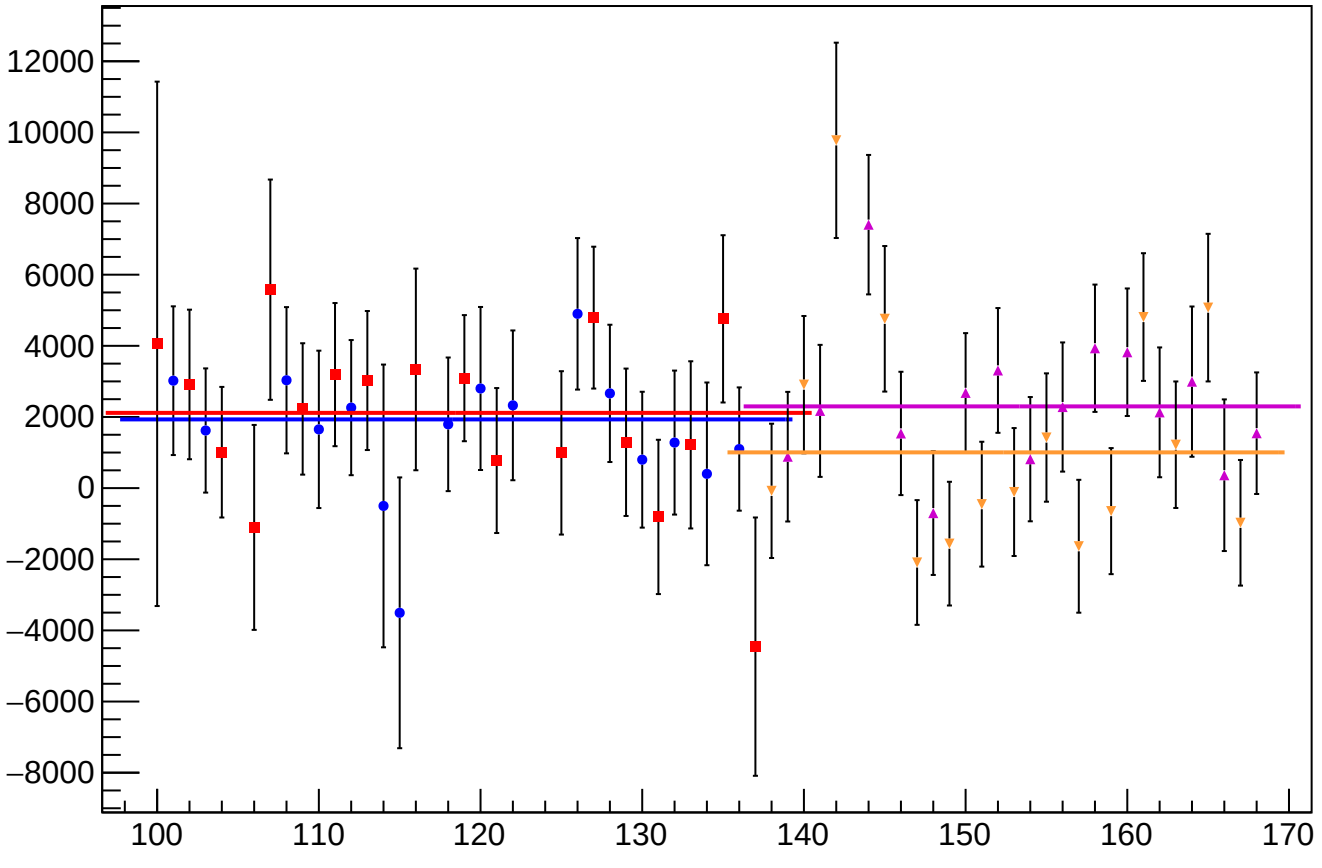
Left: 5714.026+/-0.839 χ^2/NDF: 1549089.7/29

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4308.533+/-0.729 χ^2/NDF:4062444.9/30

Out: 4145.825+/-0.709 χ^2/NDF:3743591.0/32

All: 4224.923+/-0.508 χ^2/NDF: 7831656.3/63



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1004.718+/-482.110 χ^2/NDF:33.8/14

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2297.497+/-469.519 χ^2/NDF:14.4/14

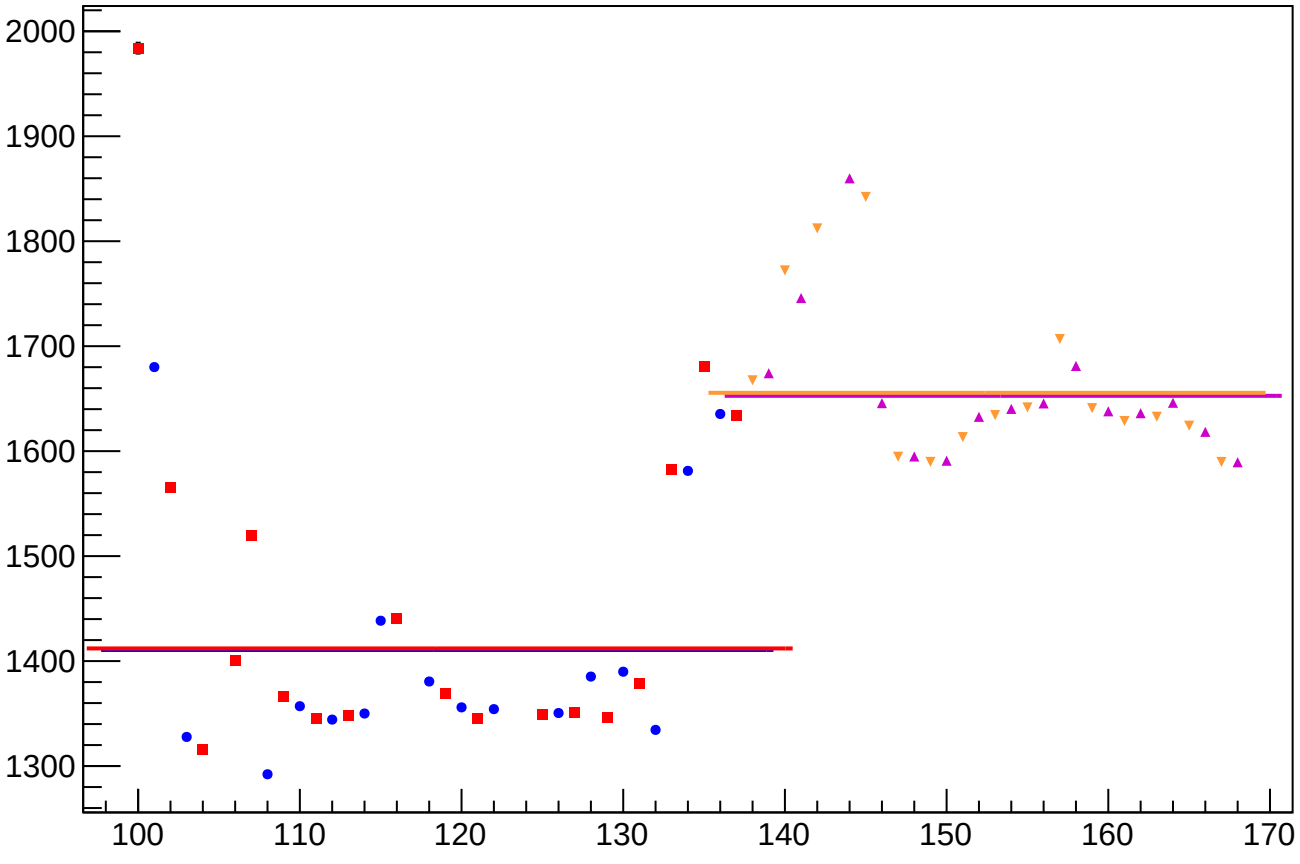
Left: 1668.209+/-336.363 χ^2/NDF: 51.8/29

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2135.603+/-350.608 χ^2/NDF:21.0/30

Out: 1508.775+/-356.269 χ^2/NDF:49.4/32

All: 1827.209+/-249.895 χ^2/NDF: 72.0/63



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1655.567+/-0.341 χ^2/NDF:43014.8/14

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1652.707+/-0.332 χ^2/NDF:37096.6/14

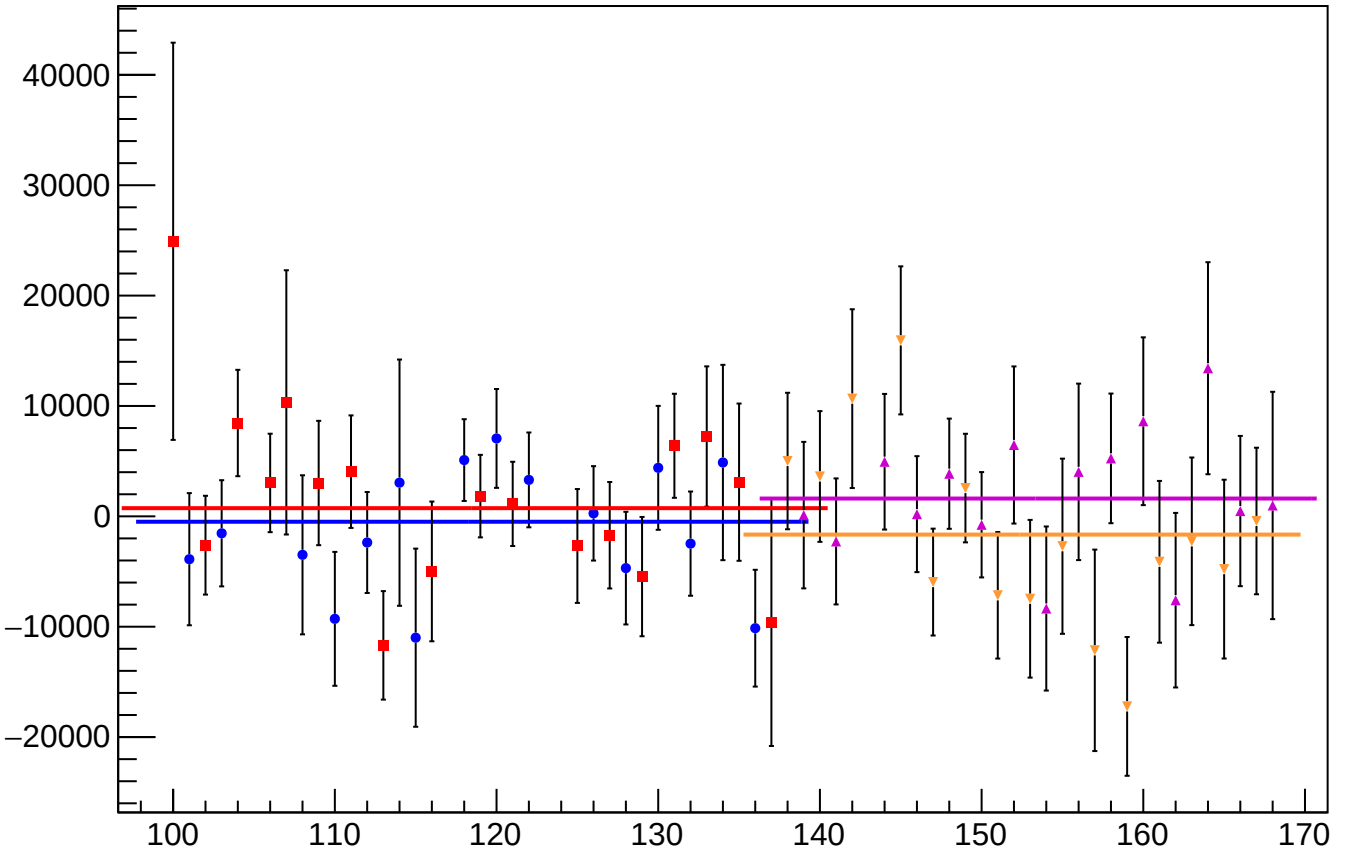
Left: 1654.099+/-0.238 χ^2/NDF: 80147.6/29

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1545.601+/-0.248 χ^2/NDF:371508.6/30

Out: 1544.709+/-0.252 χ^2/NDF:365015.1/32

All: 1545.161+/-0.177 χ^2/NDF: 736530.1/63



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1653.523+/-1682.496 χ^2/NDF:22.0/14

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1612.292+/-1671.868 χ^2/NDF:7.8/14

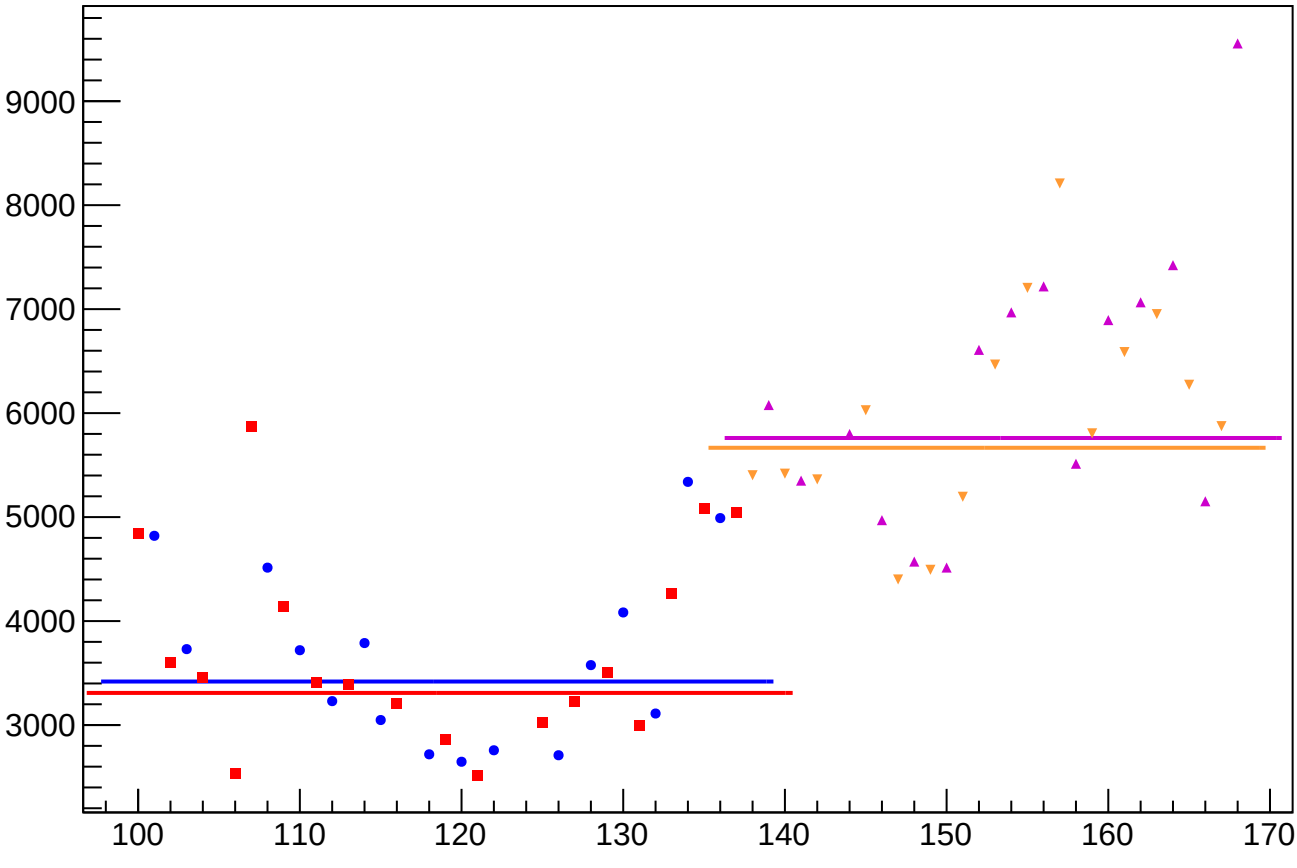
Left: -10.268+/-1185.929 χ^2/NDF: 31.7/29

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 309.105+/-1030.518 χ^2/NDF:24.6/30

Out: -109.082+/-1002.324 χ^2/NDF:42.5/32

All: 94.213+/-718.511 χ^2/NDF: 67.2/63



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5666.697+/-1.190 χ^2/NDF:638392.7/14

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5760.774+/-1.182 χ^2/NDF:907556.2/14

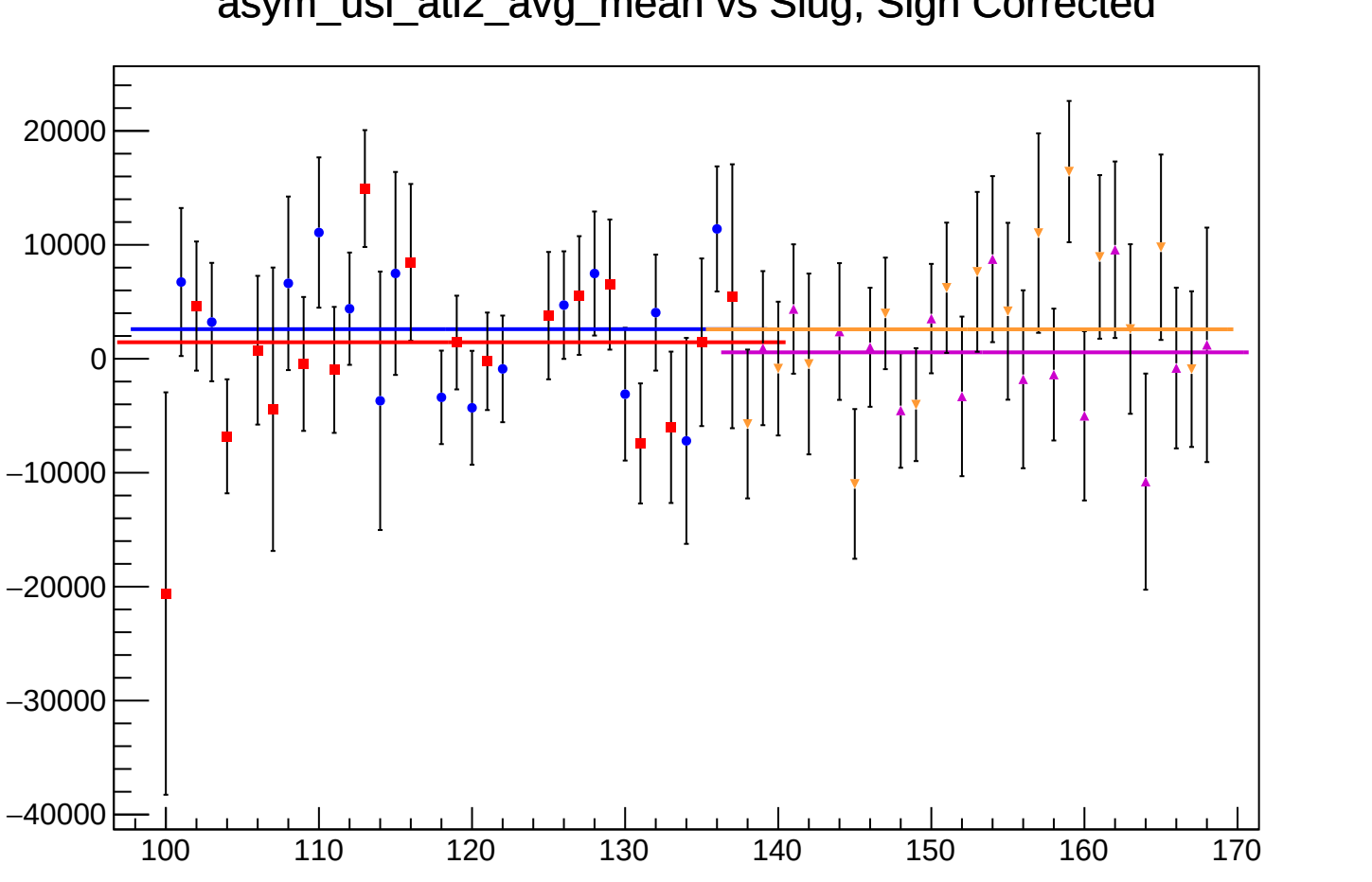
Left: 5714.034+/-0.839 χ^2/NDF: 1549095.1/29

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4308.524+/-0.729 χ^2/NDF:4062495.7/30

Out: 4145.817+/-0.709 χ^2/NDF:3743636.0/32

All: 4224.914+/-0.508 χ^2/NDF: 7831752.1/63



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2584.733+/-1679.393 χ^2/NDF:16.9/14

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 563.820+/-1664.002 χ^2/NDF:7.1/14

Left: 1564.974+/-1182.031 χ^2/NDF: 24.8/29

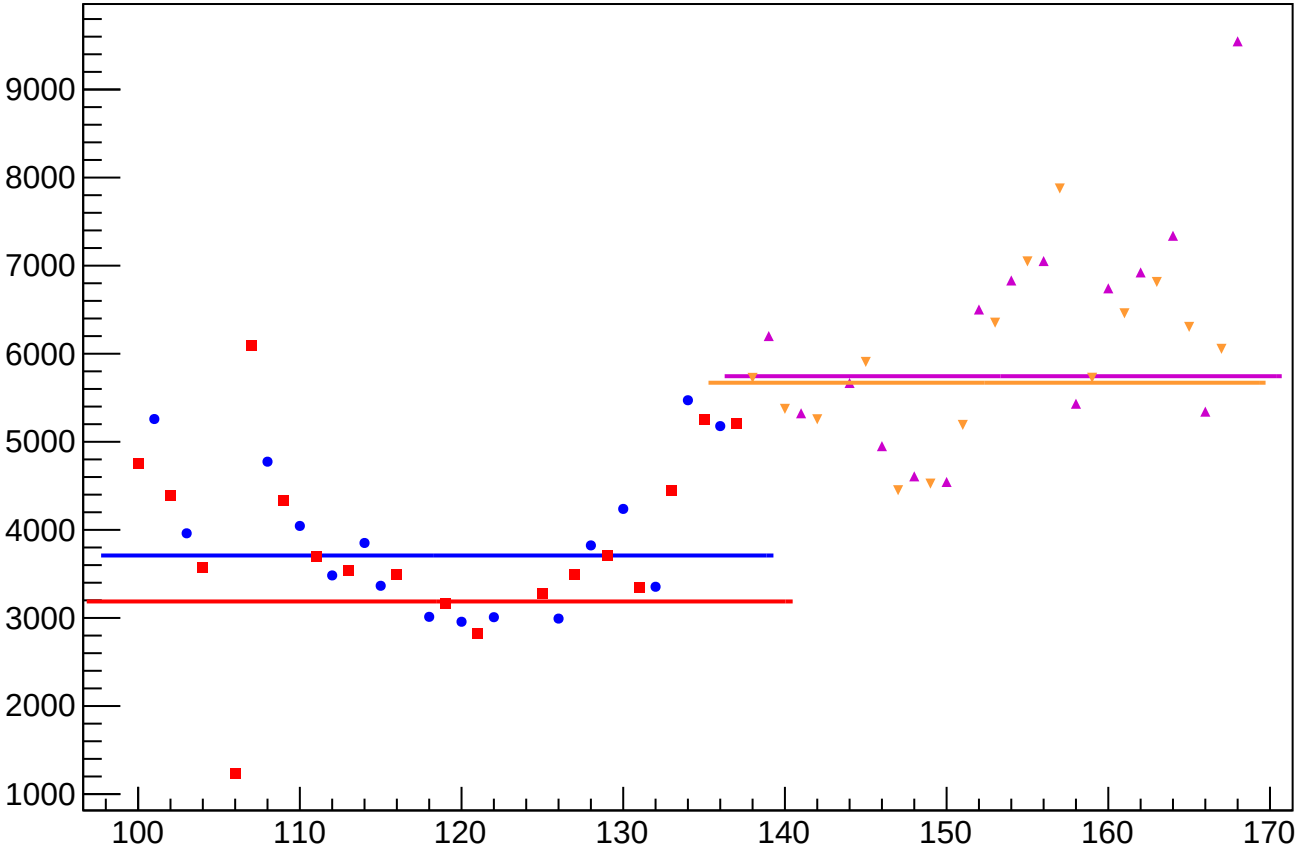
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1745.640+/-1077.731 χ^2/NDF:21.5/30

Out: 1908.738+/-1067.505 χ^2/NDF:36.3/32

All: 1827.966+/-758.430 χ^2/NDF: 57.7/63

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5670.734+/-1.188 χ^2/NDF:557516.1/14

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5744.844+/-1.177 χ^2/NDF:842249.5/14

Left: 5708.130+/-0.836 χ^2/NDF: 1401730.8/29

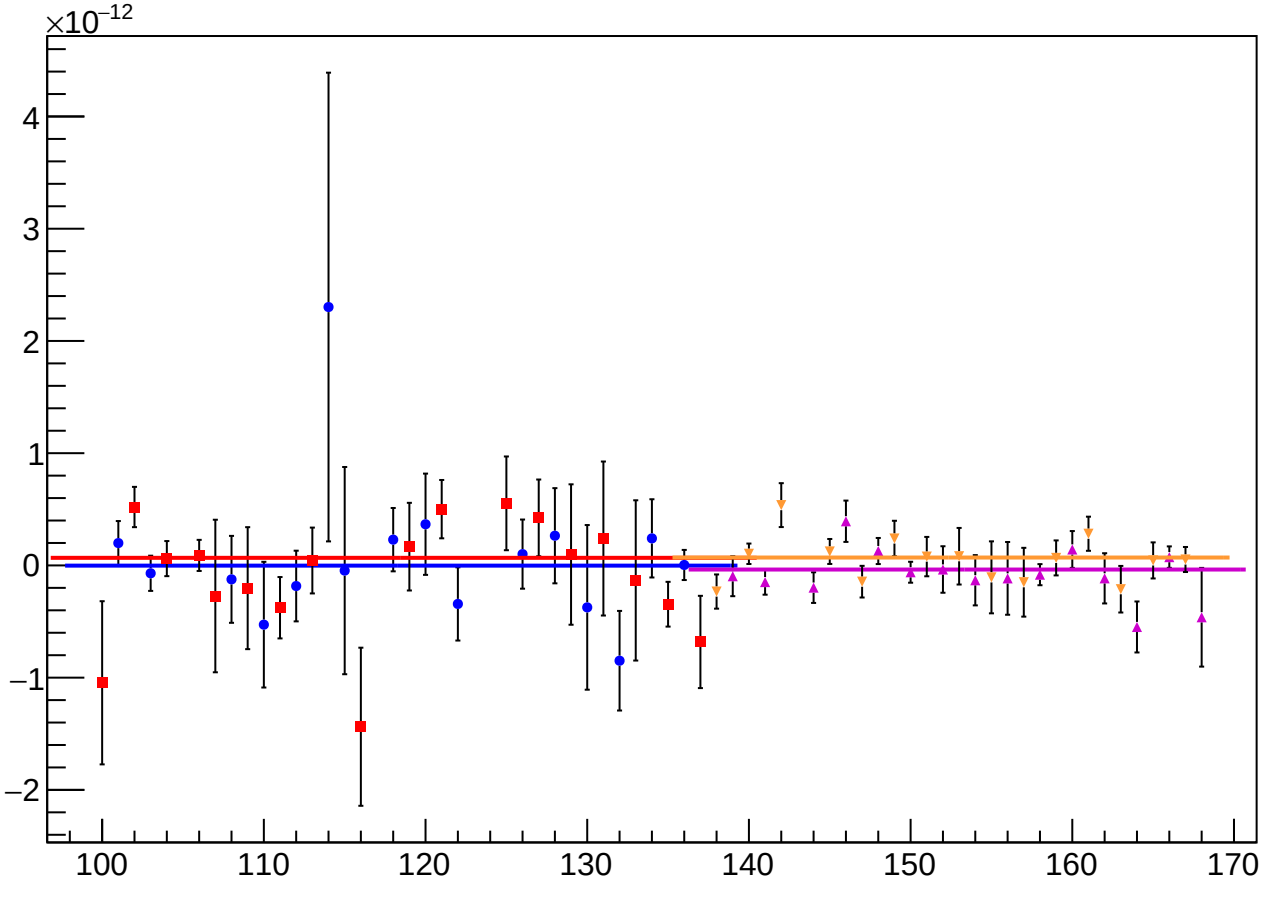
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4563.087+/-0.762 χ^2/NDF:3190535.3/30

Out: 4087.599+/-0.715 χ^2/NDF:4956478.3/32

All: 4310.214+/-0.521 χ^2/NDF: 8354053.1/63

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/14

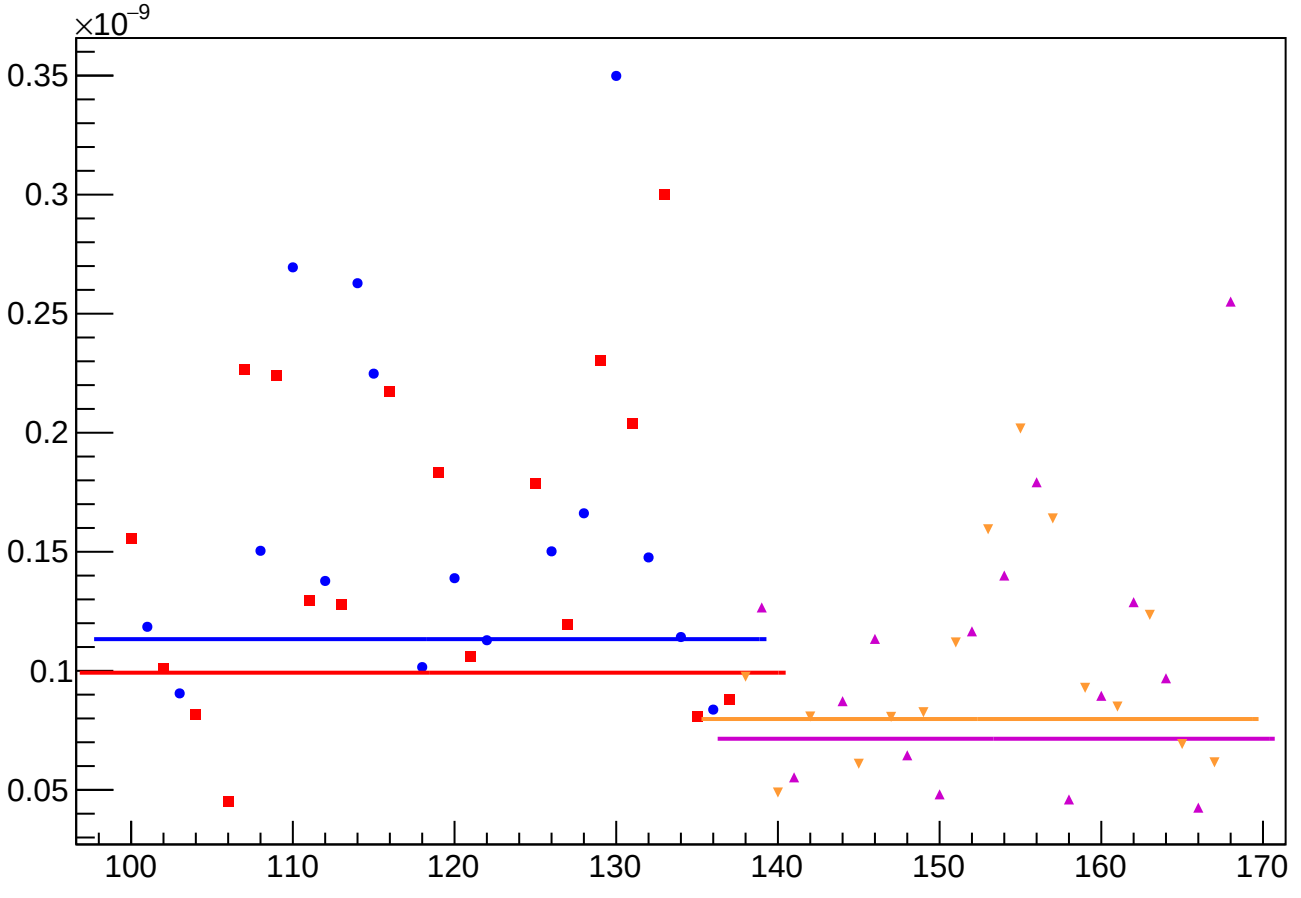
Left: 0.000+/-0.000 χ^2/NDF: 41.3/29

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:30.5/30

Out: 0.000+/-0.000 χ^2/NDF:47.7/32

All: 0.000+/-0.000 χ^2/NDF: 82.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1190094.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1859616.7/14

Left: 0.000+/-0.000 χ^2/NDF: 3097492.5/29

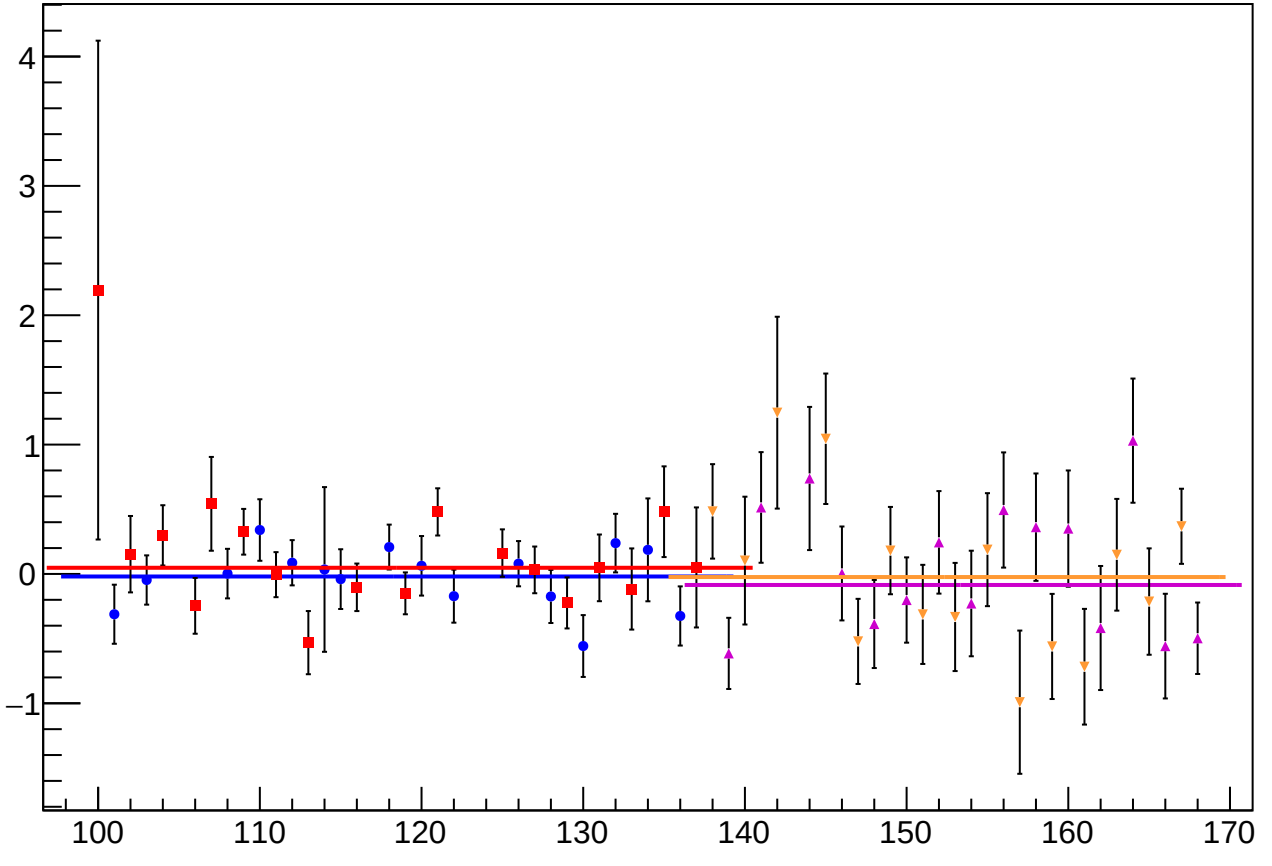
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3069994.3/30

Out: 0.000+/-0.000 χ^2/NDF:2420651.5/32

All: 0.000+/-0.000 χ^2/NDF: 5508400.7/63

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: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.085+/-0.098 χ^2/NDF:22.9/14

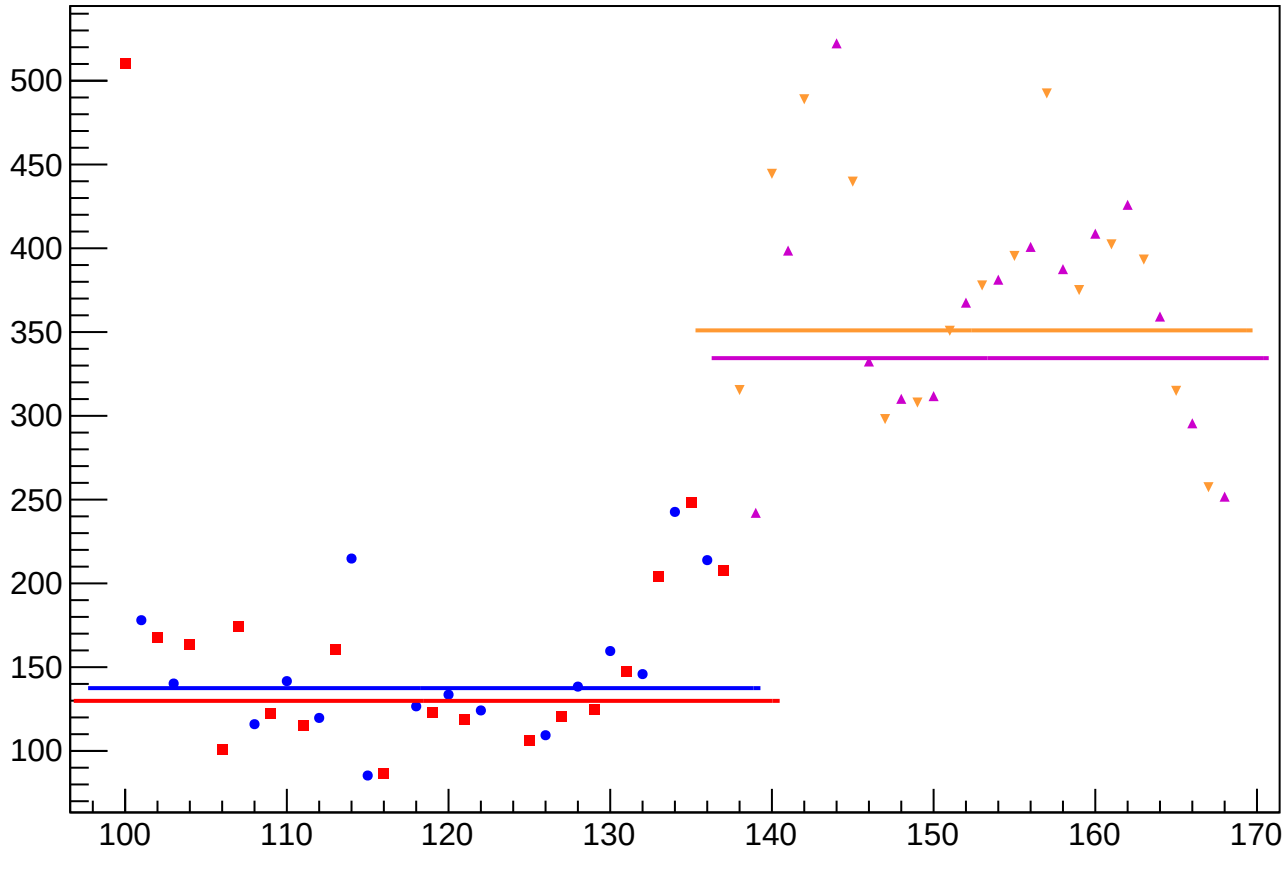
Left: -0.057+/-0.072 χ^2/NDF: 45.9/29

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.035+/-0.047 χ^2/NDF:39.3/30

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: -0.000+/-0.033 χ^2/NDF: 89.8/63



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF:741159.0/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 334.436+/-0.070 χ^2/NDF:968399.9/14

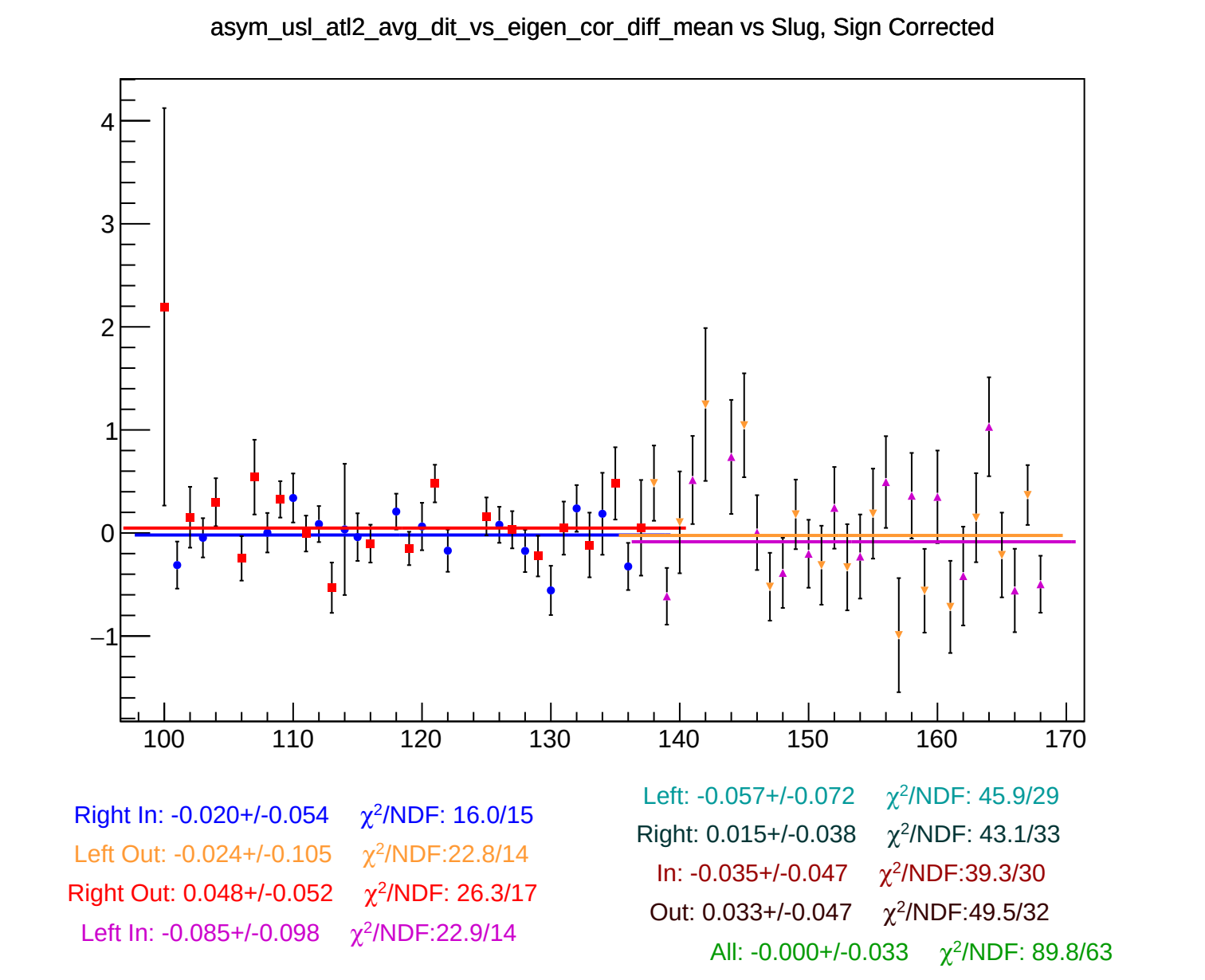
Left: 342.170+/-0.051 χ^2/NDF: 1736066.2/29

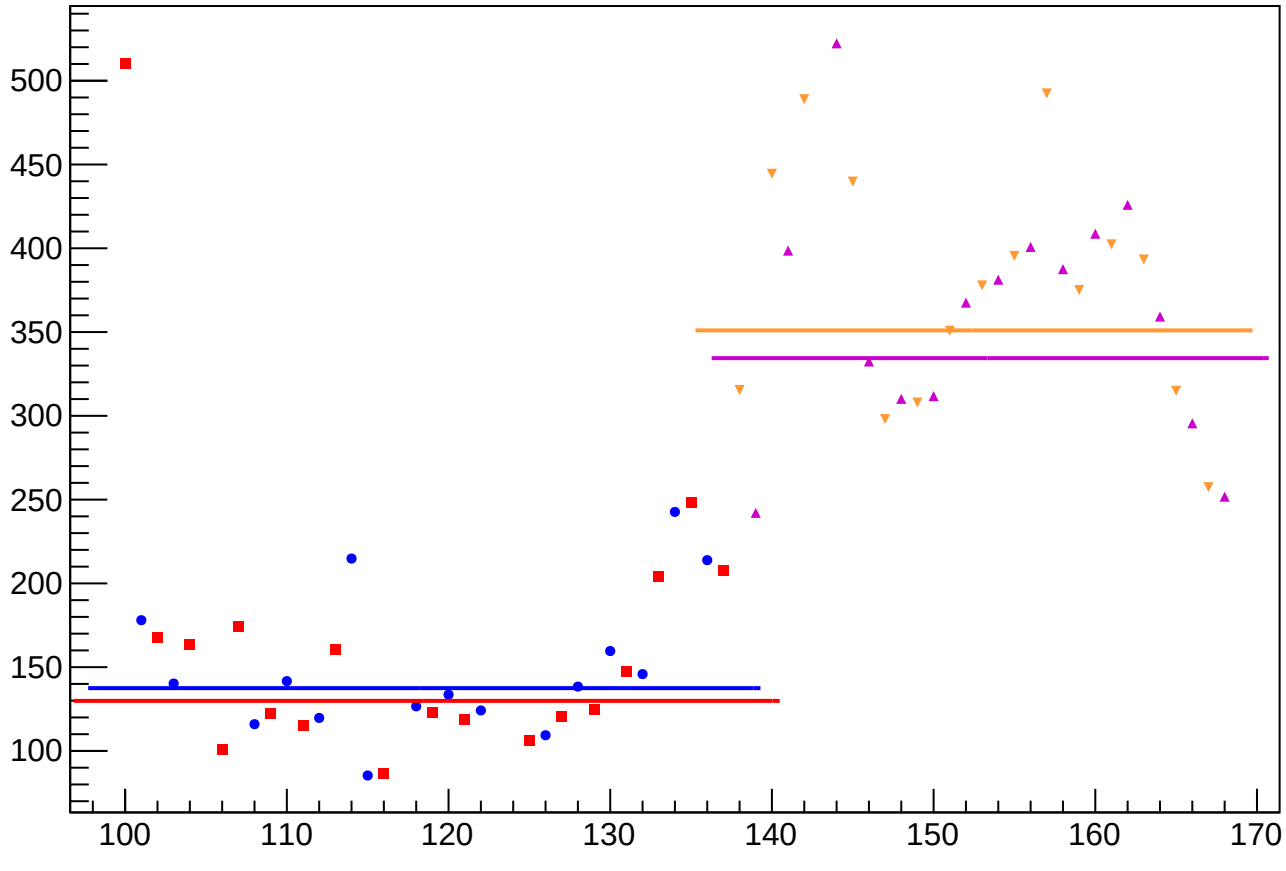
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 183.399+/-0.034 χ^2/NDF:7815252.0/30

Out: 174.057+/-0.033 χ^2/NDF:8663591.4/32

All: 178.677+/-0.024 χ^2/NDF: 16517985.6/63


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.024+/-0.105 χ²/NDF:22.8/14
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.085+/-0.098 χ²/NDF:22.9/14
Left: -0.057+/-0.072 χ²/NDF: 45.9/29
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.035+/-0.047 χ²/NDF:39.3/30
Out: 0.033+/-0.047 χ²/NDF:49.5/32
All: -0.000+/-0.033 χ²/NDF: 89.8/63



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.002+/-0.074 χ^2/NDF:741159.0/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 334.436+/-0.070 χ^2/NDF:968399.9/14

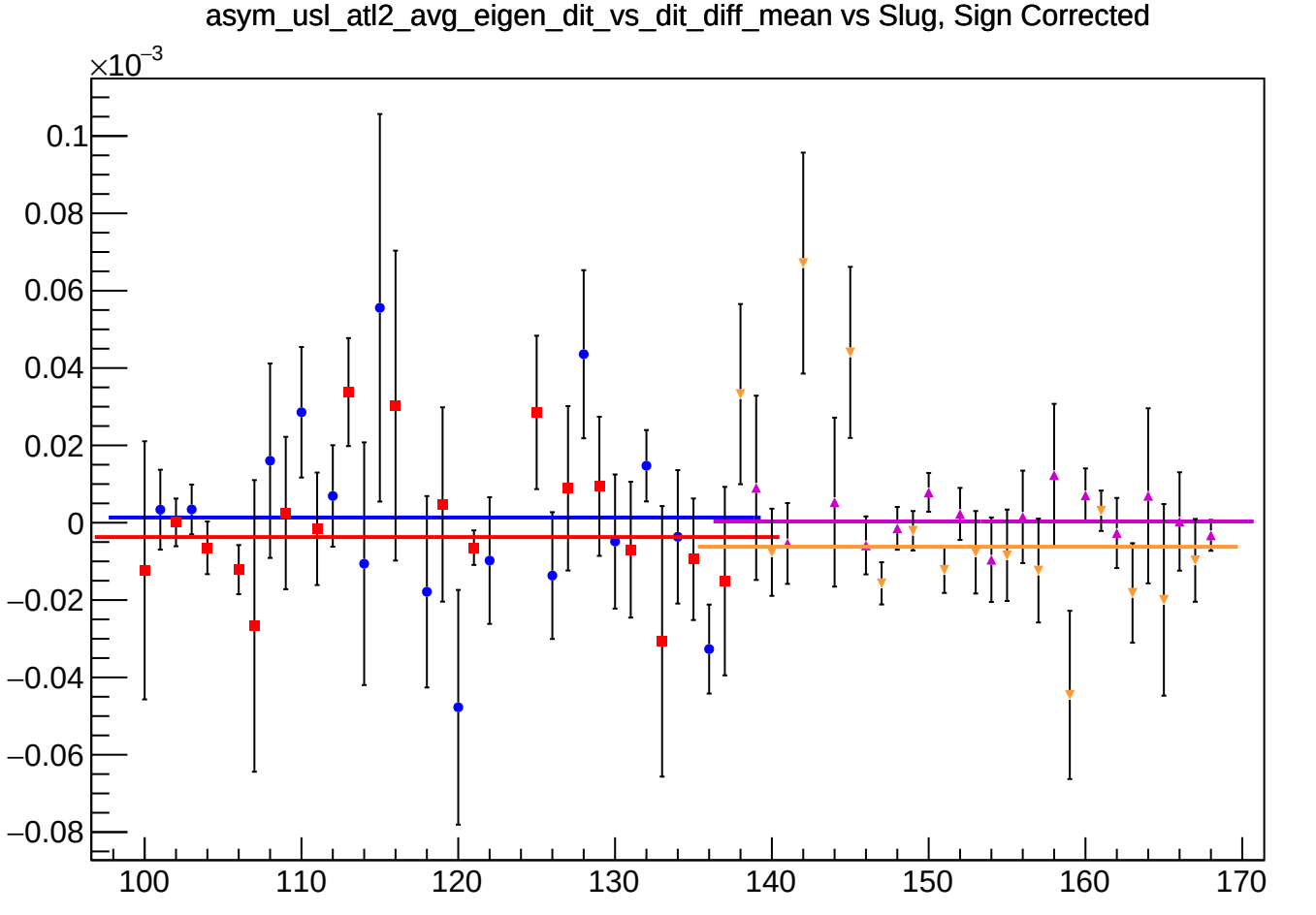
Left: 342.170+/-0.051 χ^2/NDF: 1736066.2/29

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

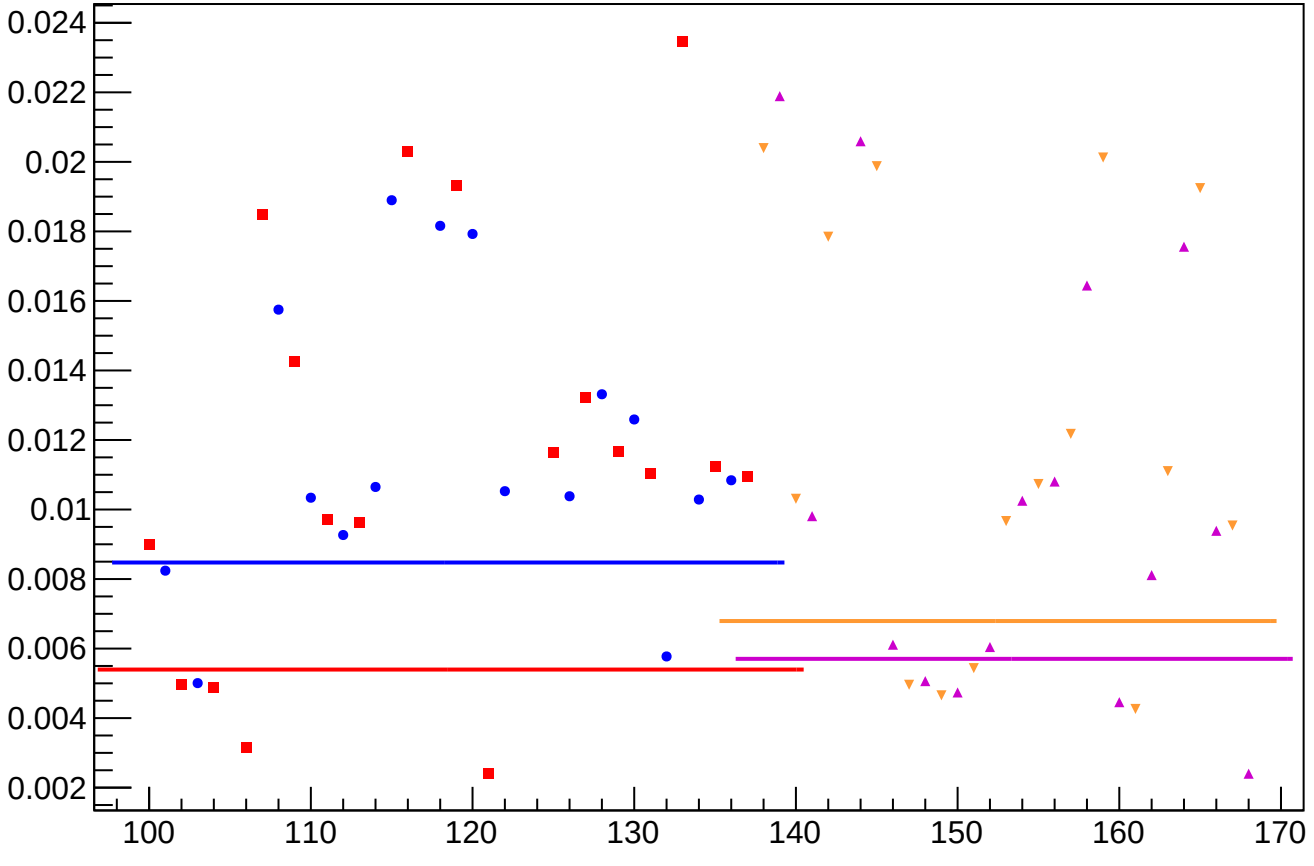
In: 183.399+/-0.034 χ^2/NDF:7815252.0/30

Out: 174.057+/-0.033 χ^2/NDF:8663591.4/32

All: 178.677+/-0.024 χ^2/NDF: 16517985.6/63


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:27.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:6.8/14
Left: -0.000+/-0.000 χ²/NDF: 38.6/29
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:30.8/30
Out: -0.000+/-0.000 χ²/NDF:43.5/32
All: -0.000+/-0.000 χ²/NDF: 79.7/63

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: 0.007+/-0.000 χ^2/NDF:5328732.7/14

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5958469.9/14

Left: 0.006+/-0.000 χ^2/NDF: 11541605.8/29

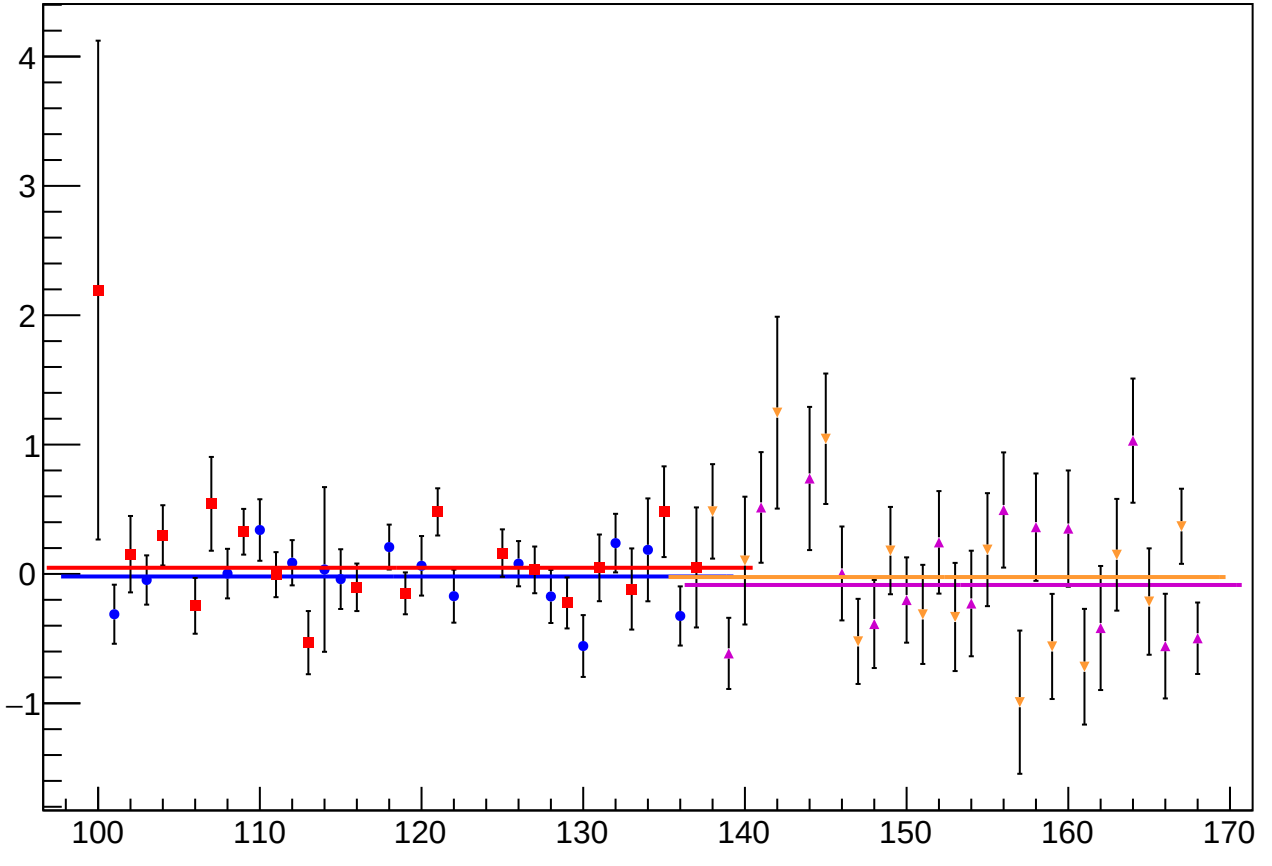
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.006+/-0.000 χ^2/NDF:8848543.0/30

Out: 0.006+/-0.000 χ^2/NDF:10572333.1/32

All: 0.006+/-0.000 χ^2/NDF: 19441317.6/63

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: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.085+/-0.098 χ^2/NDF:22.9/14

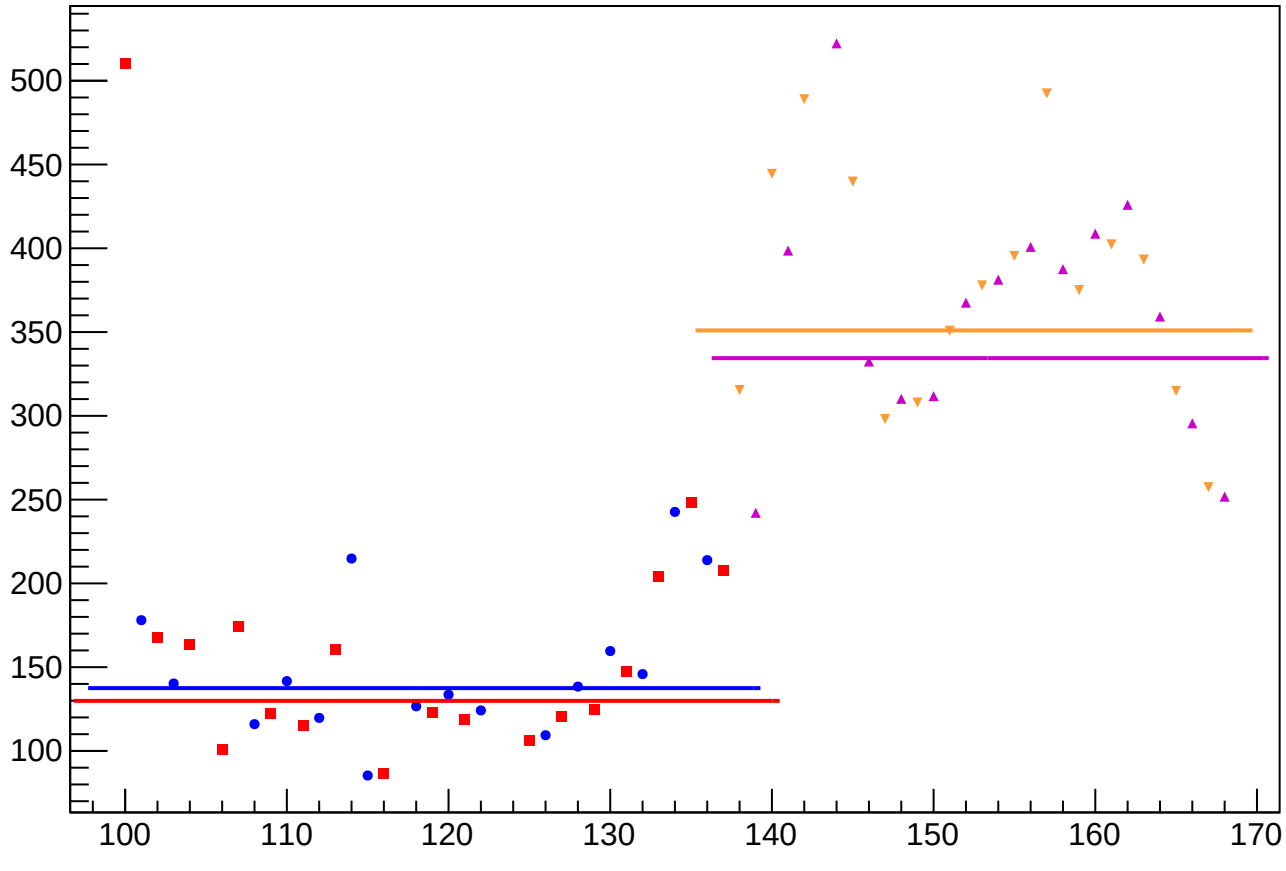
Left: -0.057+/-0.072 χ^2/NDF: 45.9/29

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.035+/-0.047 χ^2/NDF:39.3/30

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: -0.000+/-0.033 χ^2/NDF: 89.8/63



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.006+/-0.074 χ^2/NDF:741205.1/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 334.441+/-0.070 χ^2/NDF:968396.3/14

Left: 342.175+/-0.051 χ^2/NDF: 1736105.5/29

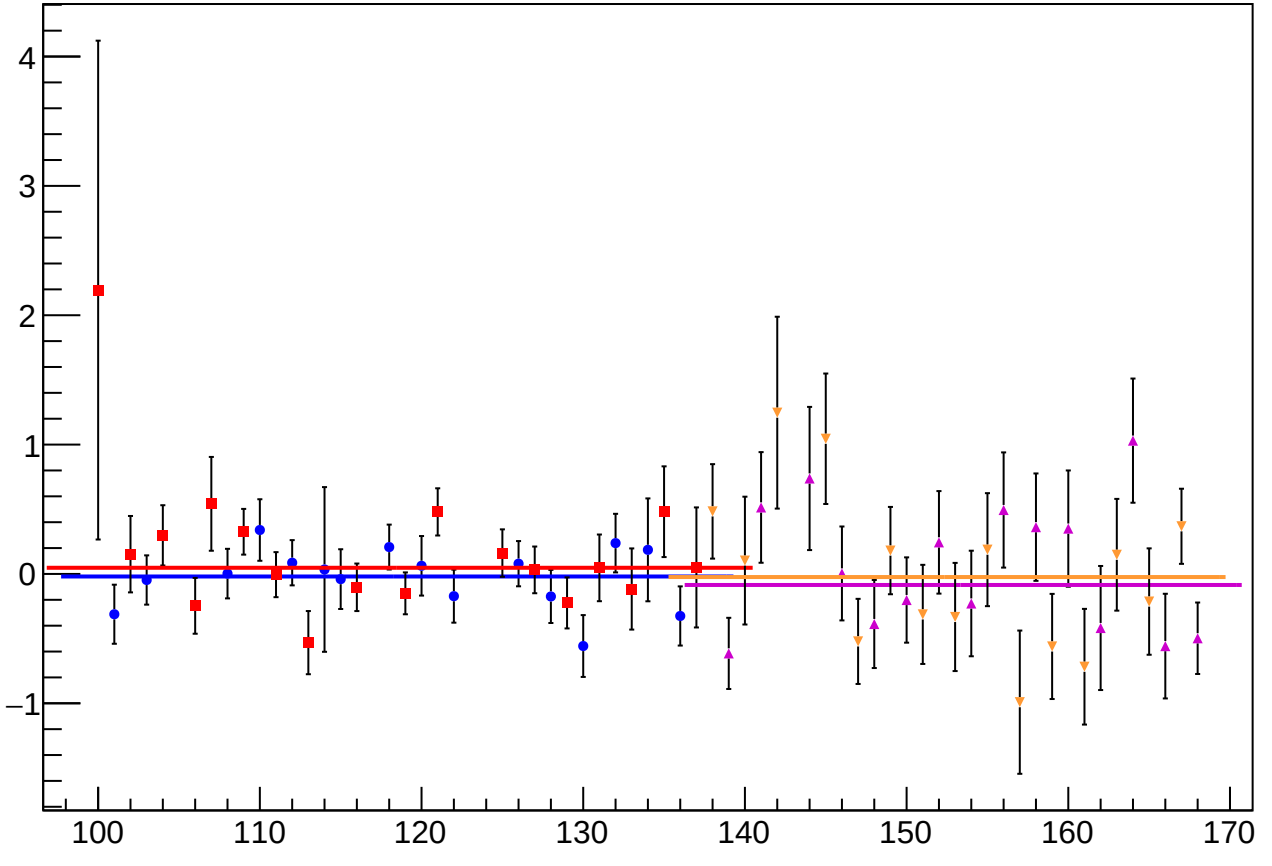
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 183.398+/-0.034 χ^2/NDF:7815406.7/30

Out: 174.057+/-0.033 χ^2/NDF:8663721.6/32

All: 178.677+/-0.024 χ^2/NDF: 16518271.1/63

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: -0.024+/-0.105 χ^2/NDF:22.8/14

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.085+/-0.098 χ^2/NDF:22.9/14

Left: -0.057+/-0.072 χ^2/NDF: 45.9/29

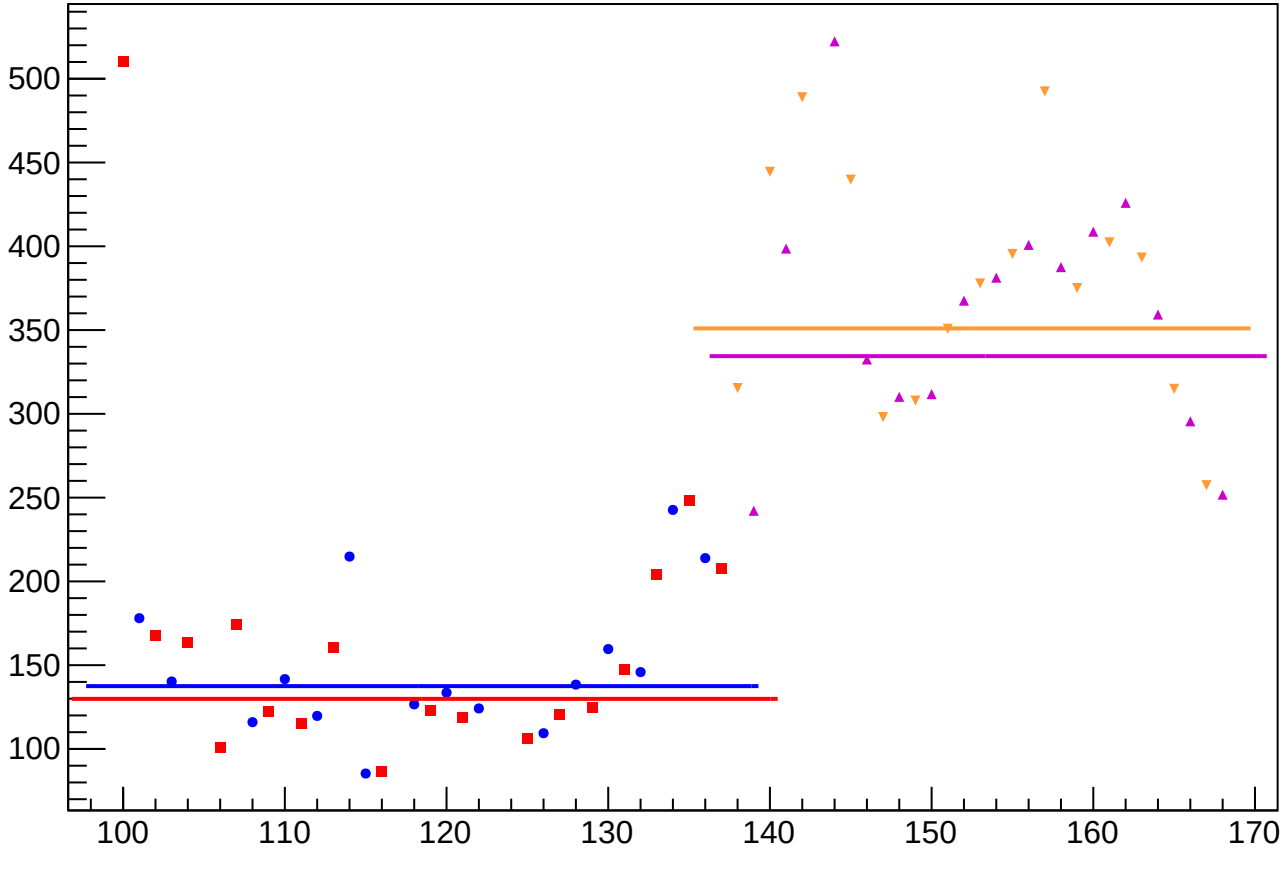
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.035+/-0.047 χ^2/NDF:39.3/30

Out: 0.033+/-0.047 χ^2/NDF:49.5/32

All: -0.000+/-0.033 χ^2/NDF: 89.8/63

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.006+/-0.074 χ^2/NDF:741205.1/14

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 334.441+/-0.070 χ^2/NDF:968396.3/14

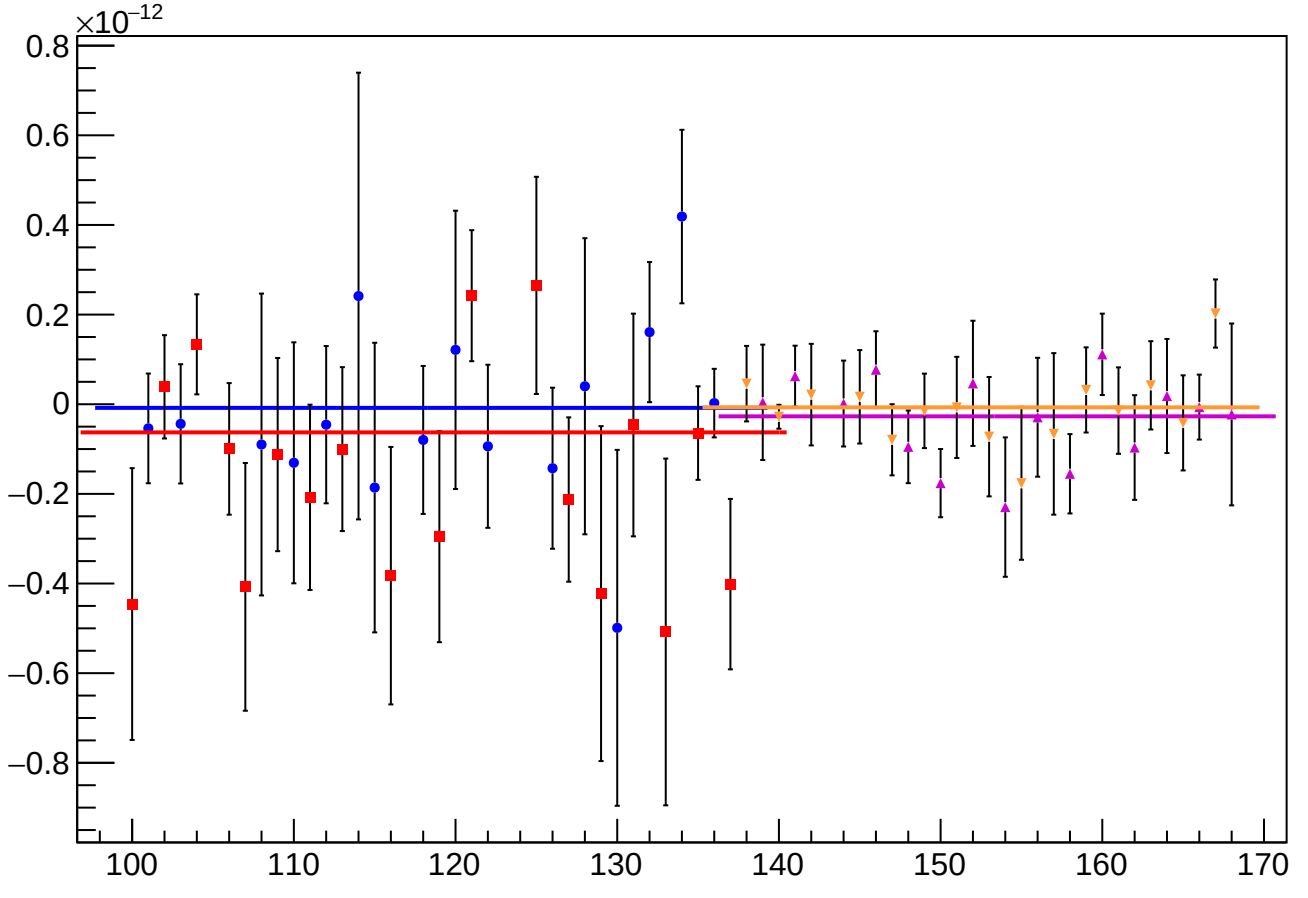
Left: 342.175+/-0.051 χ^2/NDF: 1736105.5/29

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 183.398+/-0.034 χ^2/NDF:7815406.7/30

Out: 174.057+/-0.033 χ^2/NDF:8663721.6/32

All: 178.677+/-0.024 χ^2/NDF: 16518271.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:14.9/14

Left: -0.000+/-0.000 χ^2/NDF: 26.7/29

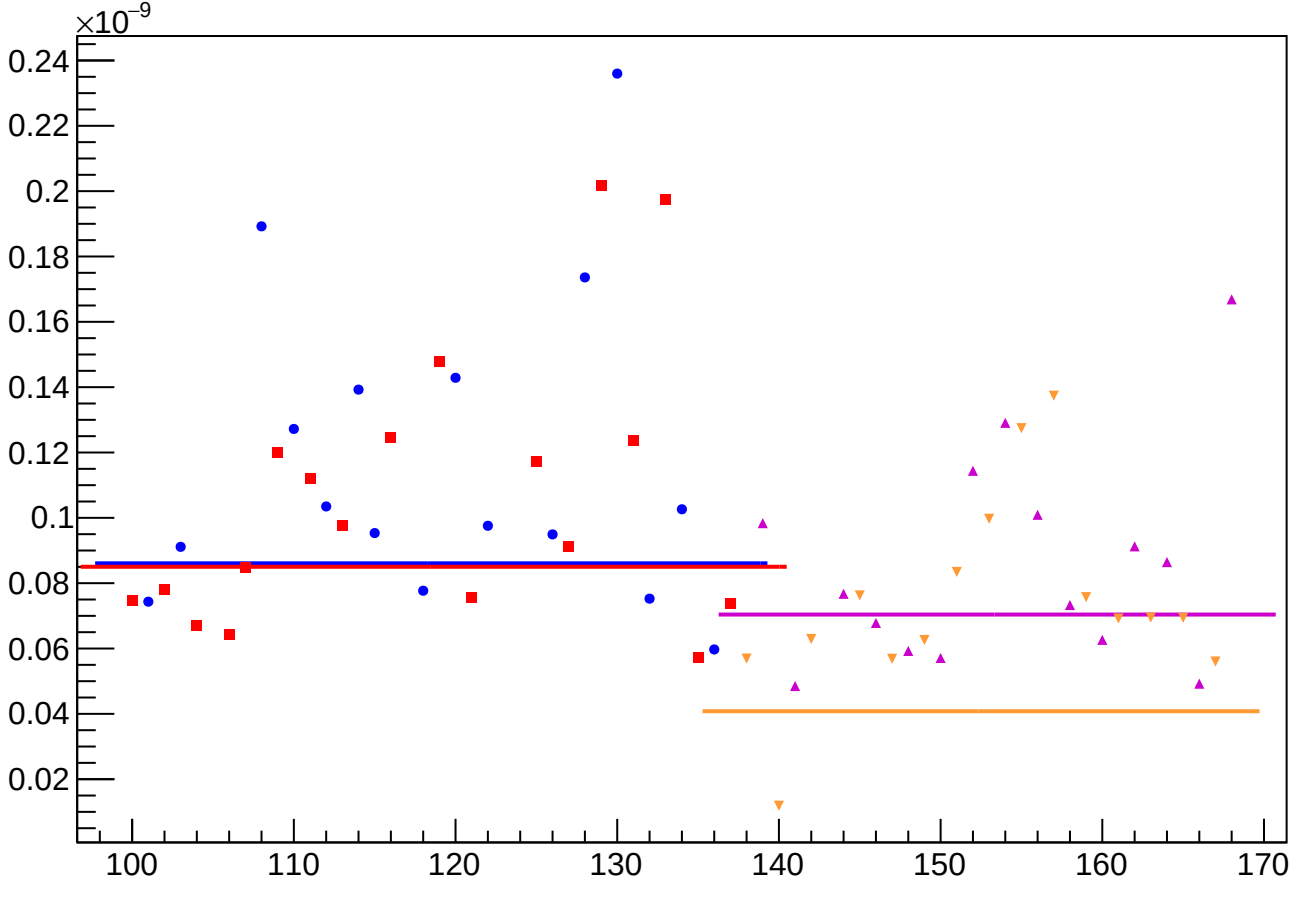
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:24.8/30

Out: -0.000+/-0.000 χ^2/NDF:35.1/32

All: -0.000+/-0.000 χ^2/NDF: 59.9/63

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5557421.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1736153.9/14

Left: 0.000+/-0.000 χ^2/NDF: 9074347.2/29

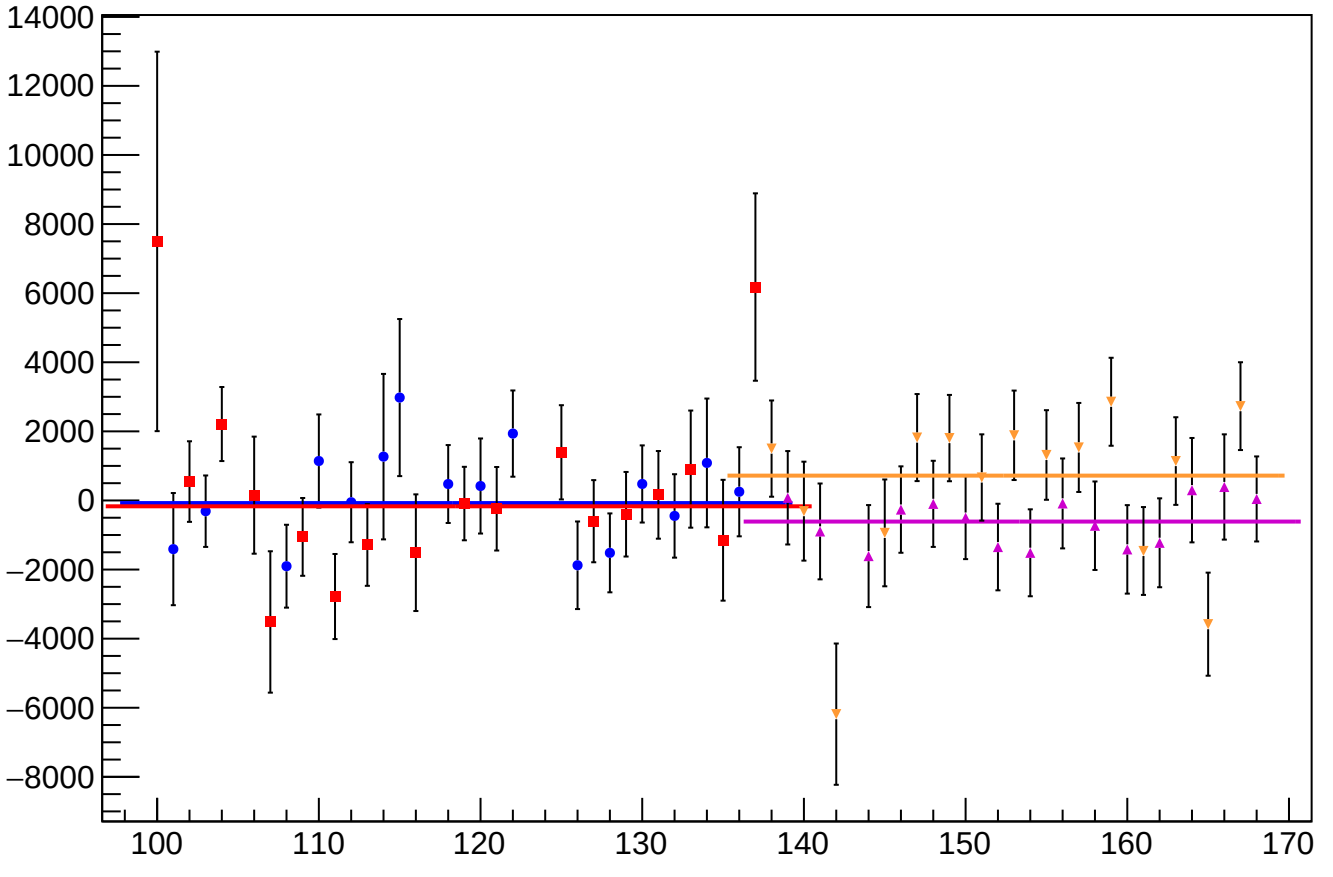
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3010472.7/30

Out: 0.000+/-0.000 χ^2/NDF:8404347.1/32

All: 0.000+/-0.000 χ^2/NDF: 13206942.2/63

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 718.795+/-347.271 χ^2/NDF:33.0/14

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -611.213+/-338.795 χ^2/NDF:3.7/14

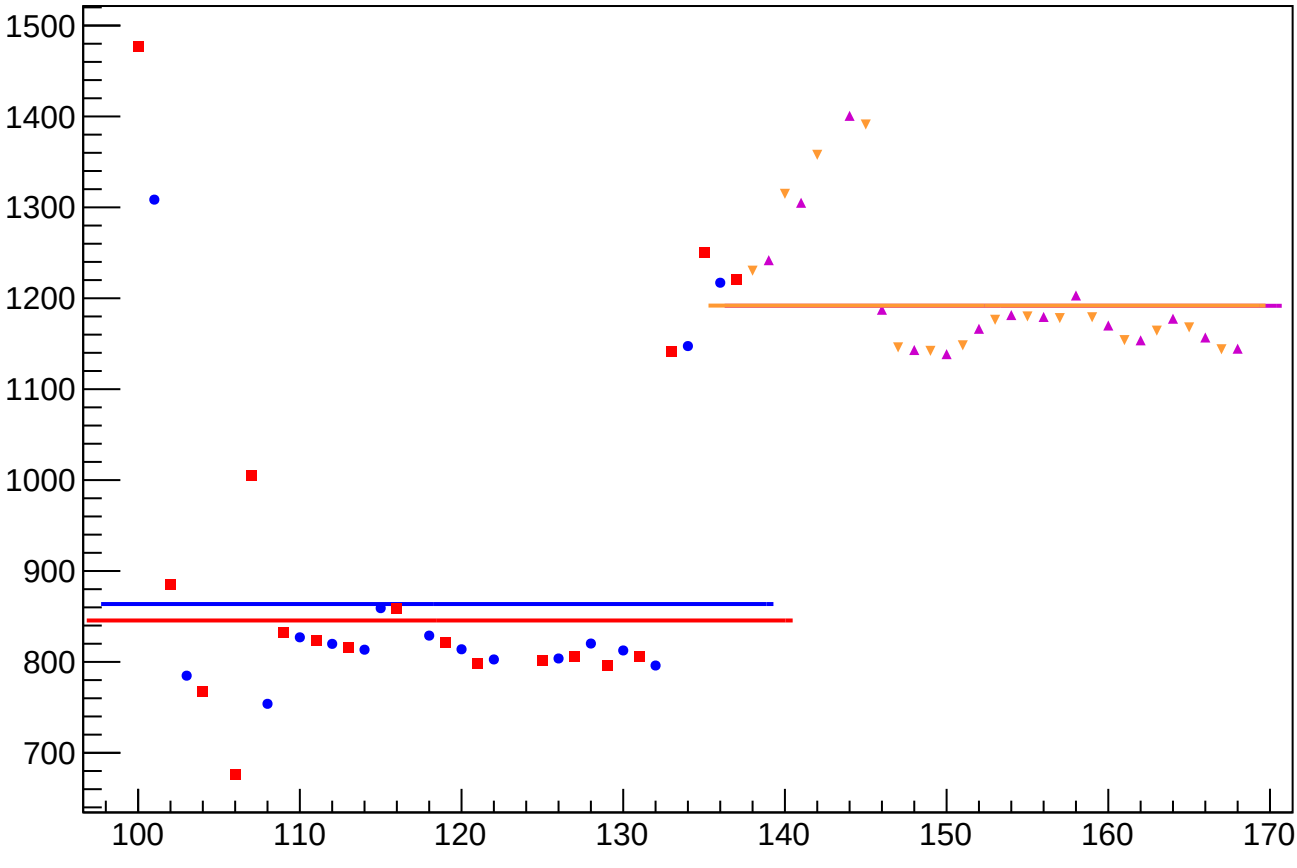
Left: 37.363+/-242.506 χ^2/NDF: 44.3/29

Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -333.466+/-234.995 χ^2/NDF:18.4/30

Out: 241.001+/-236.049 χ^2/NDF:60.9/32

All: -47.519+/-166.538 χ^2/NDF: 82.3/63



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1191.733+/-0.240 χ^2/NDF:70901.8/14

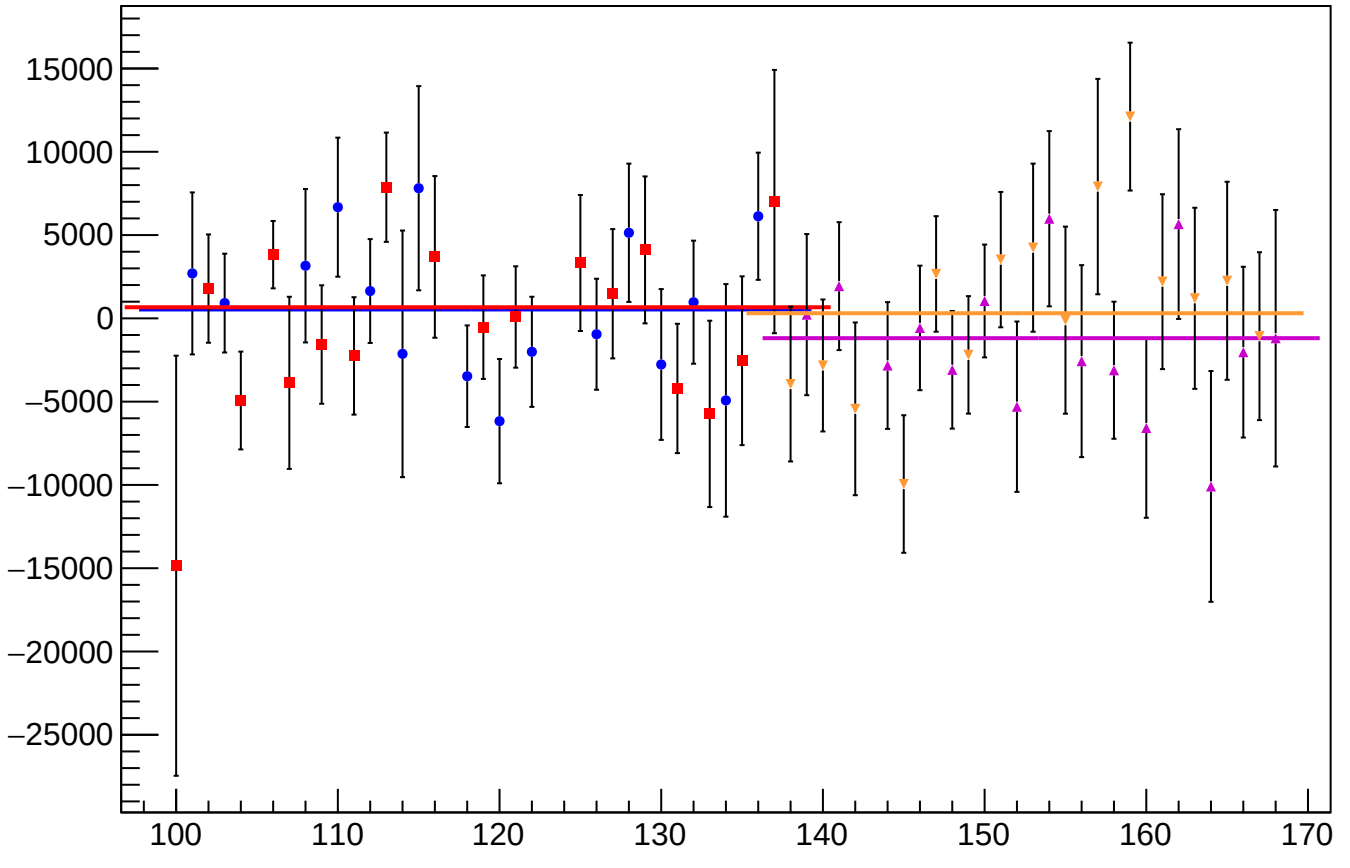
Left: 1191.843+/-0.171 χ^2/NDF: 148824.1/29

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1021.499+/-0.166 χ^2/NDF:1451532.8/30

Out: 1003.477+/-0.166 χ^2/NDF:1468411.8/32

All: 1012.468+/-0.117 χ^2/NDF: 2925839.6/63



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 308.024+/-1183.901 χ^2/NDF:19.9/14

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1189.241+/-1175.976 χ^2/NDF:8.6/14

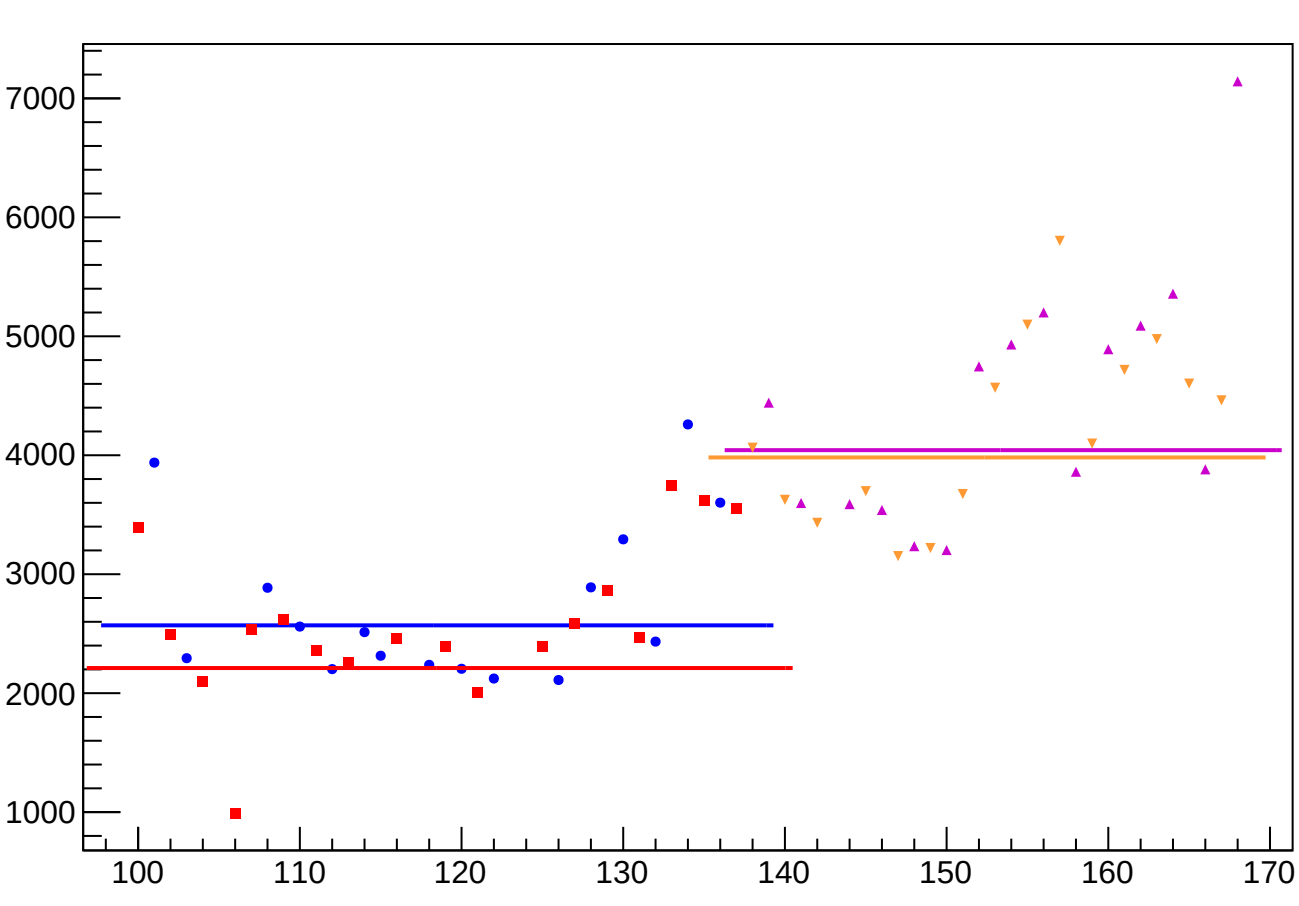
Left: -445.636+/-834.329 χ^2/NDF: 29.3/29

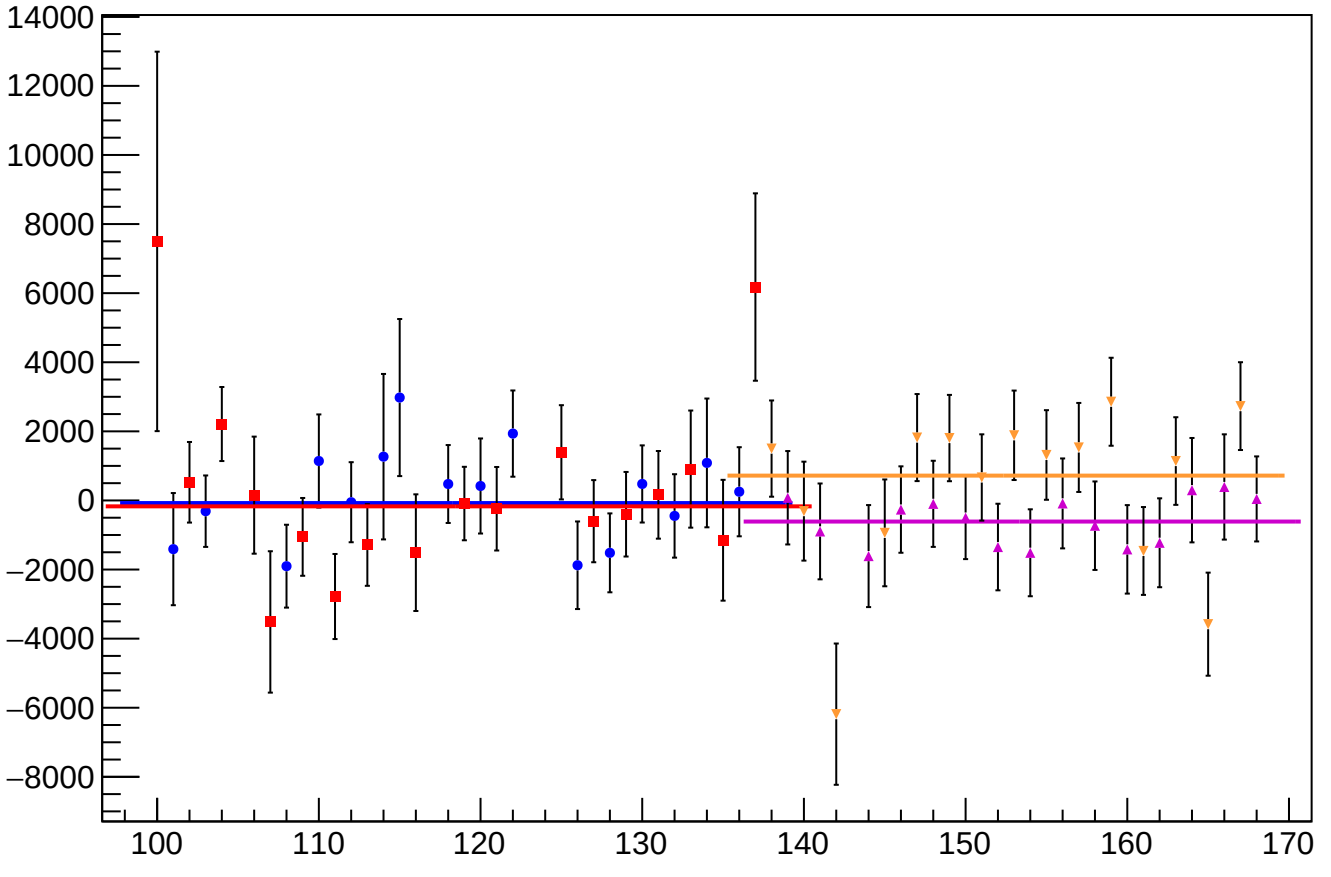
Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -173.061+/-753.435 χ^2/NDF:24.5/30

Out: 541.338+/-698.422 χ^2/NDF:39.9/32

All: 211.169+/-512.205 χ^2/NDF: 64.9/63


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 2570.135+/-0.694 χ²/NDF: 662477.9/15
Left Out: 3981.548+/-0.837 χ²/NDF:679926.3/14
Right Out: 2211.269+/-0.612 χ²/NDF: 1264087.9/17
Left In: 4042.826+/-0.832 χ²/NDF:1027547.7/14
Left: 4012.393+/-0.590 χ²/NDF: 1710171.1/29
Right: 2368.182+/-0.459 χ²/NDF: 2077093.7/33
In: 3174.649+/-0.533 χ²/NDF:3539093.9/30
Out: 2827.363+/-0.494 χ²/NDF:4859533.0/32
All: 2987.865+/-0.362 χ²/NDF: 8627167.7/63



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -611.214+/-338.795 χ^2/NDF:3.7/14

Left: 37.355+/-242.506 χ^2/NDF: 44.3/29

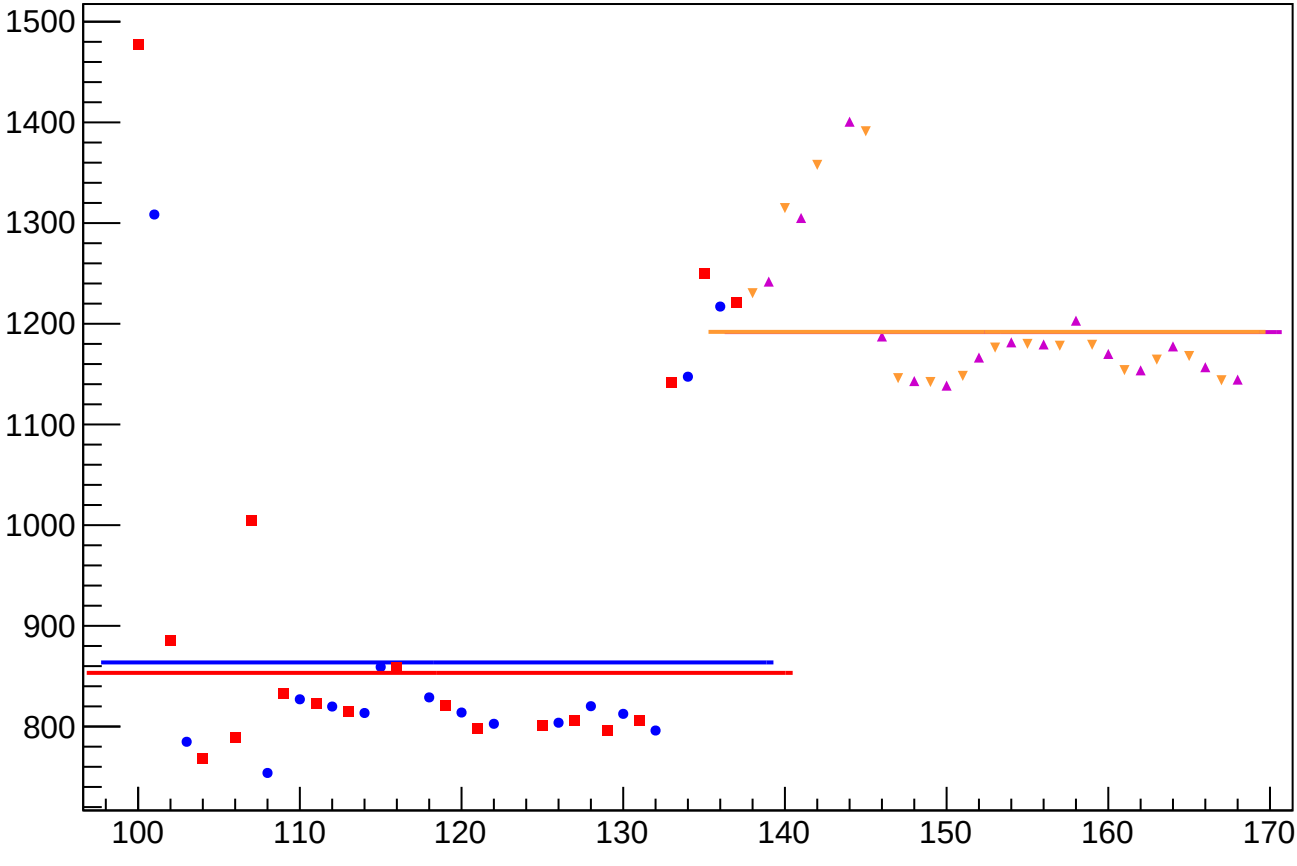
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -333.506+/-234.995 χ^2/NDF:18.4/30

Out: 240.120+/-236.051 χ^2/NDF:60.9/32

All: -47.980+/-166.539 χ^2/NDF: 82.3/63

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1191.958+/-0.246 χ^2/NDF:77921.8/14

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1191.733+/-0.240 χ^2/NDF:70901.8/14

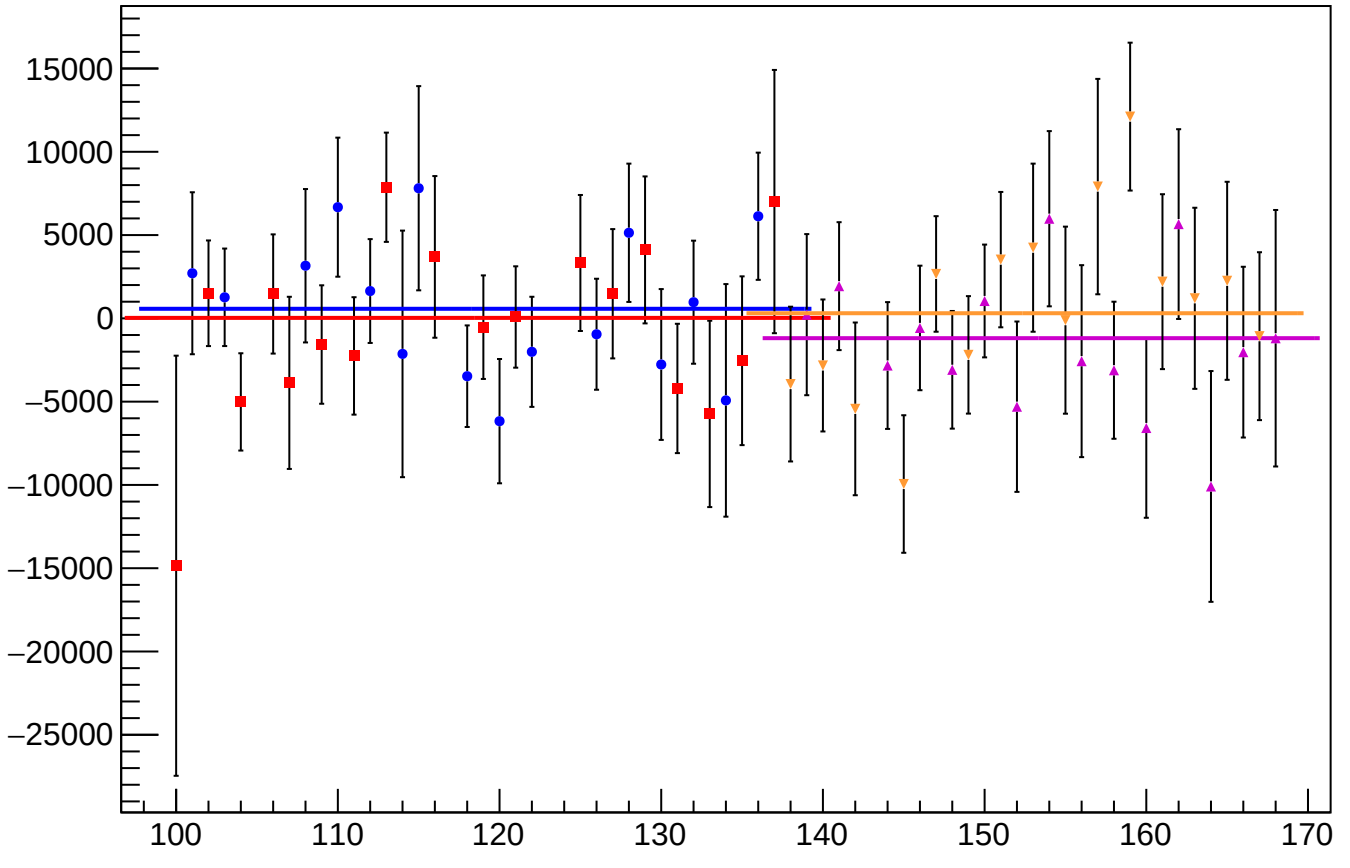
Left: 1191.843+/-0.171 χ^2/NDF: 148824.1/29

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1021.499+/-0.166 χ^2/NDF:1451532.9/30

Out: 1008.895+/-0.166 χ^2/NDF:1381459.0/32

All: 1015.208+/-0.118 χ^2/NDF: 2835863.6/63



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 308.041+/-1183.902 χ^2/NDF:19.9/14

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1189.277+/-1175.975 χ^2/NDF:8.6/14

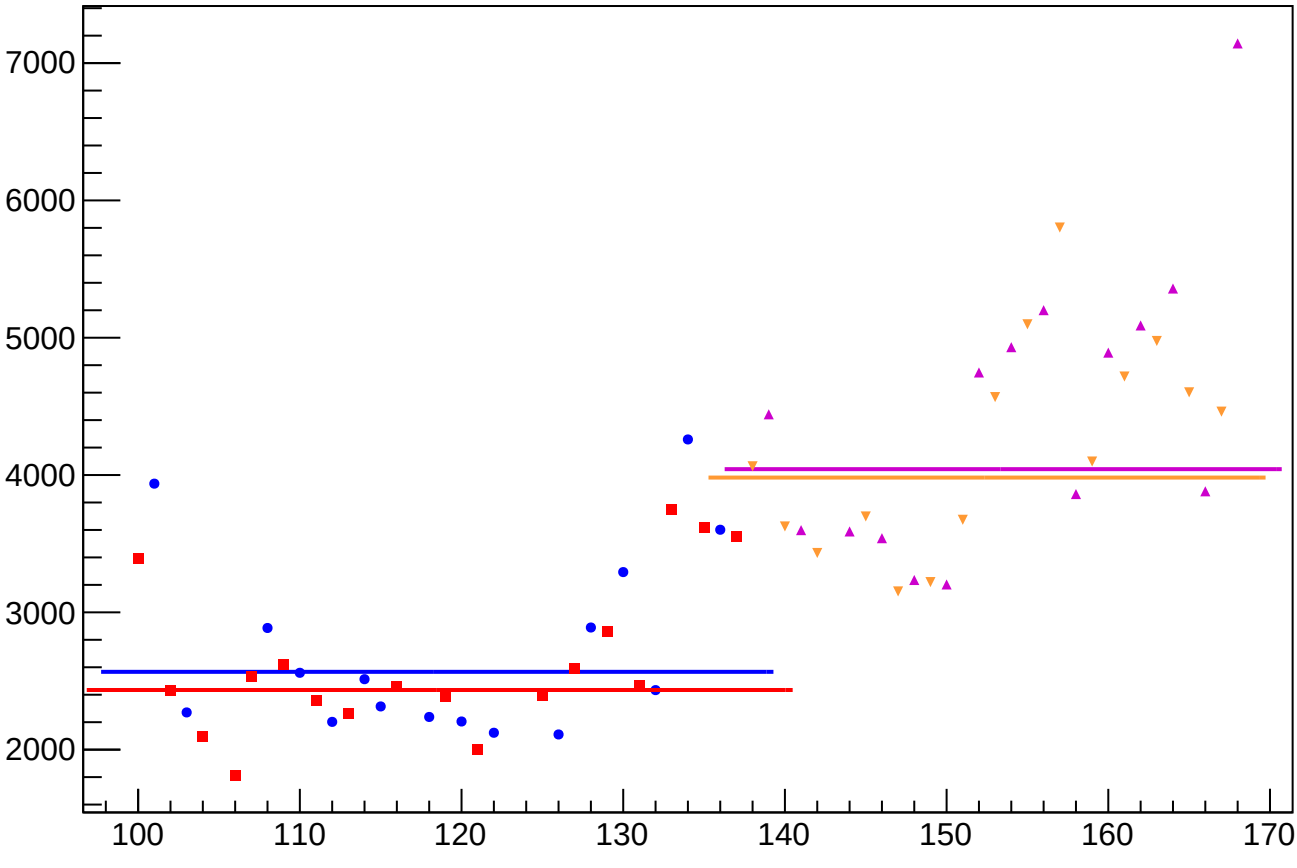
Left: -445.647+/-834.328 χ^2/NDF: 29.3/29

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -147.978+/-752.785 χ^2/NDF:24.6/30

Out: 134.116+/-727.485 χ^2/NDF:37.1/32

All: -2.111+/-523.125 χ^2/NDF: 61.8/63



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4042.821+/-0.832 χ^2/NDF:1027550.8/14

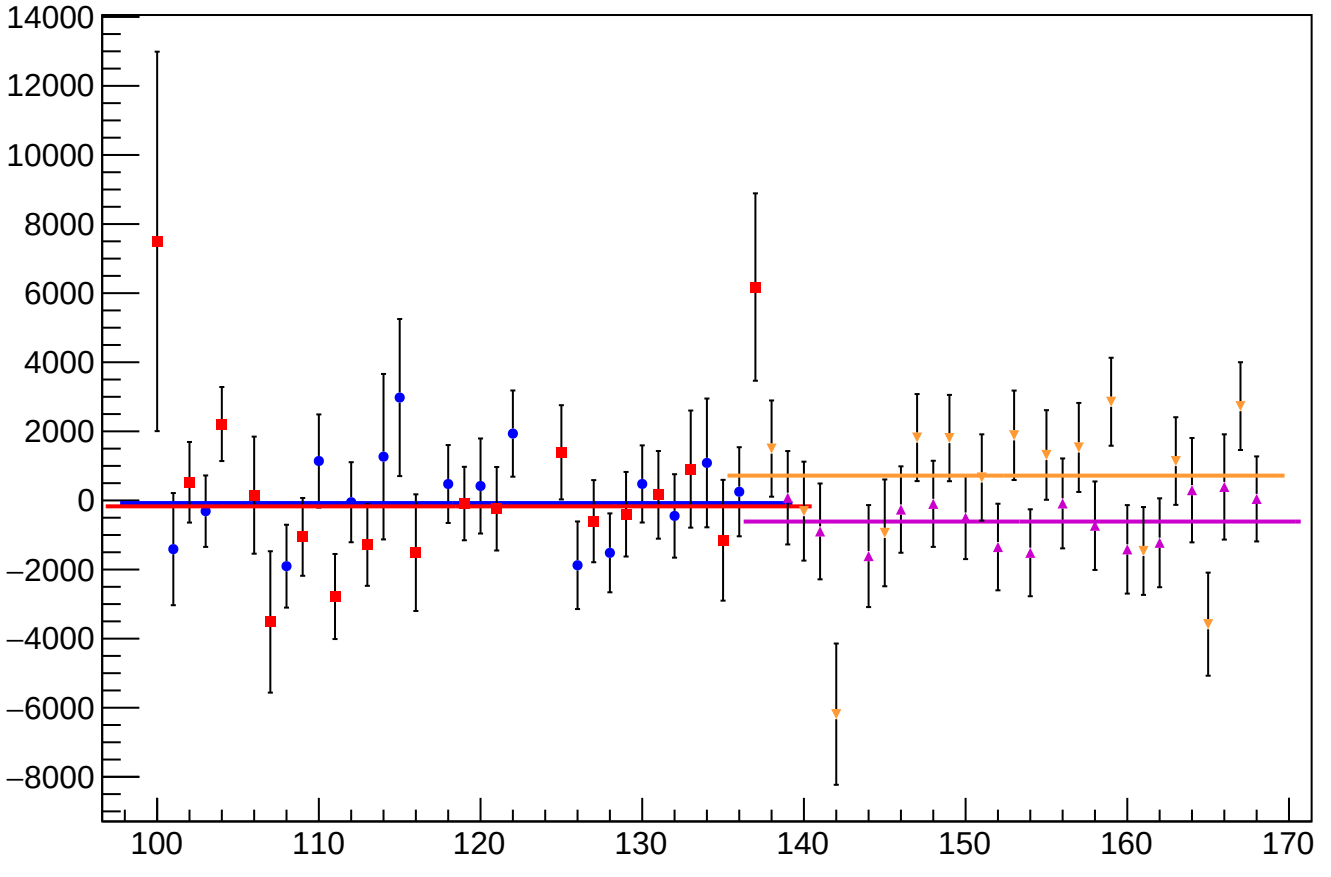
Left: 4012.391+/-0.590 χ^2/NDF: 1710173.4/29

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3171.597+/-0.532 χ^2/NDF:3553265.5/30

Out: 3018.602+/-0.514 χ^2/NDF:3239812.8/32

All: 3092.486+/-0.370 χ^2/NDF: 6835795.8/63



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 718.781+/-347.271 χ^2/NDF:33.0/14

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -611.214+/-338.795 χ^2/NDF:3.7/14

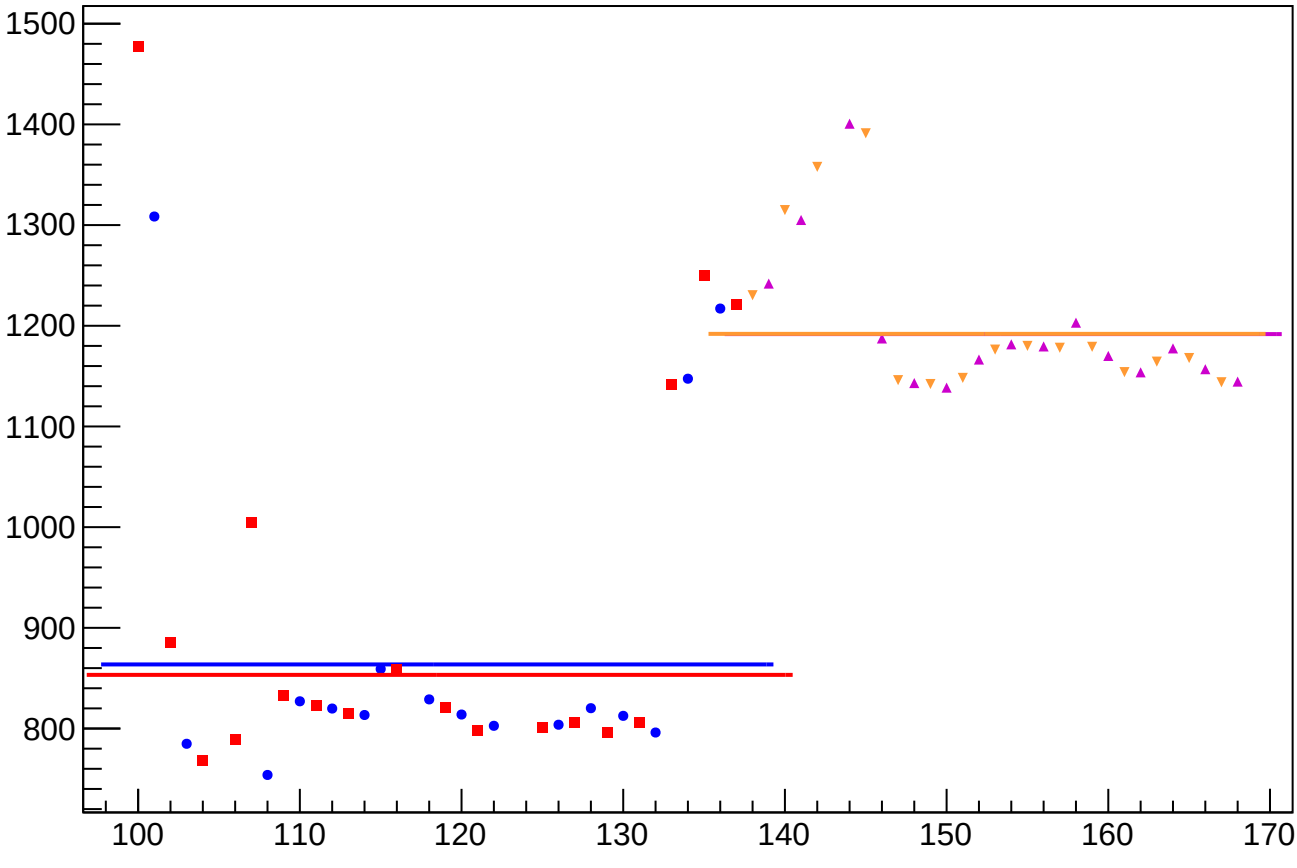
Left: 37.355+/-242.506 χ^2/NDF: 44.3/29

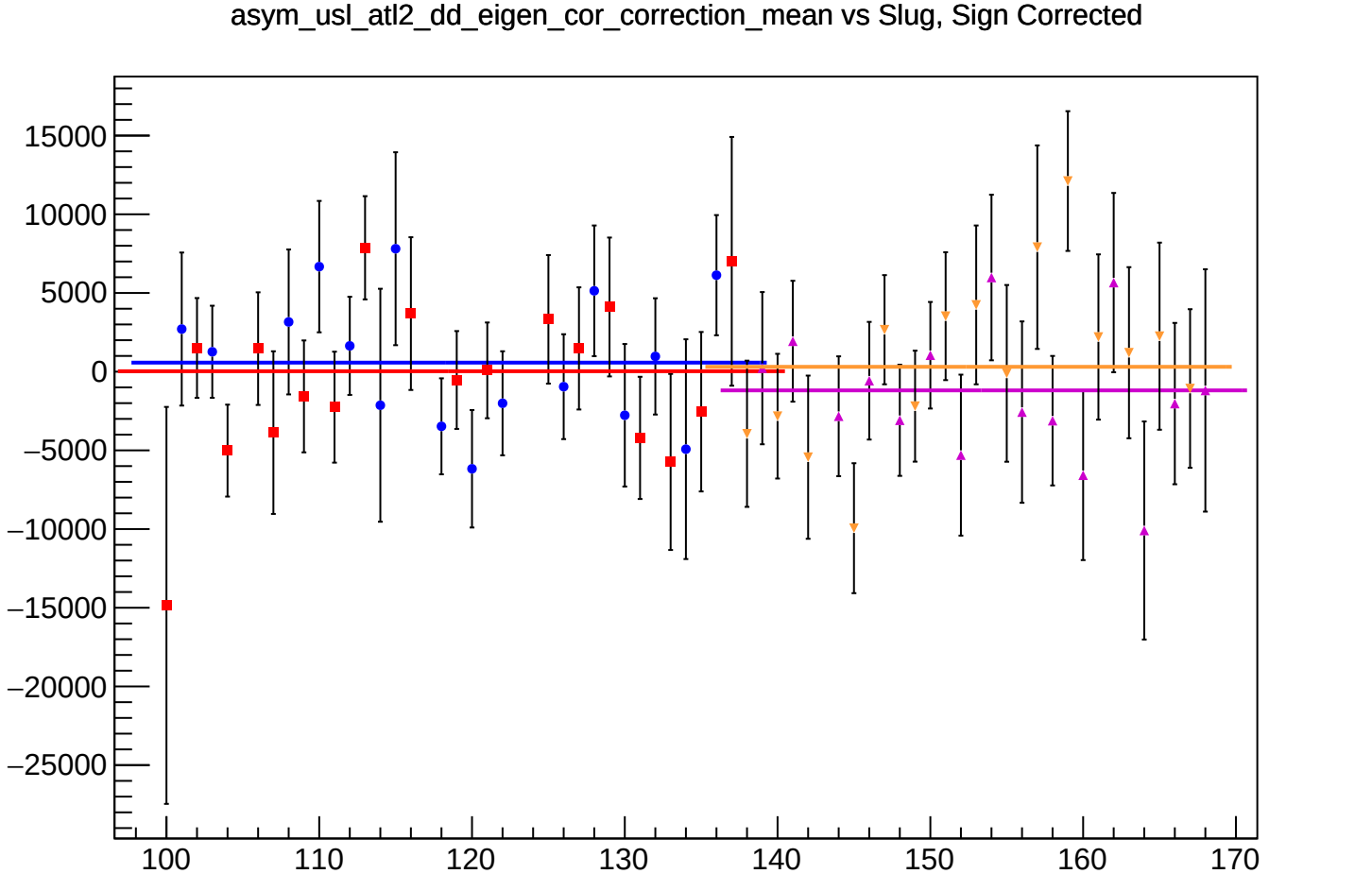
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -333.506+/-234.995 χ^2/NDF:18.4/30

Out: 240.120+/-236.051 χ^2/NDF:60.9/32

All: -47.980+/-166.539 χ^2/NDF: 82.3/63


eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
1200
1100
1000
900
800
100
110
120
130
140
150
160
170
Right In: 863.661+/-0.231 χ²/NDF: 407498.5/15
Left Out: 1191.958+/-0.246 χ²/NDF:77921.8/14
Right Out: 853.289+/-0.226 χ²/NDF: 275357.1/17
Left In: 1191.733+/-0.240 χ²/NDF:70901.8/14
Left: 1191.843+/-0.171 χ²/NDF: 148824.1/29
Right: 858.378+/-0.162 χ²/NDF: 683885.4/33
In: 1021.499+/-0.166 χ²/NDF:1451532.9/30
Out: 1008.895+/-0.166 χ²/NDF:1381459.0/32
All: 1015.208+/-0.118 χ²/NDF: 2835863.6/63



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 308.041+/-1183.902 χ^2/NDF:19.9/14

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1189.277+/-1175.975 χ^2/NDF:8.6/14

Left: -445.647+/-834.328 χ^2/NDF: 29.3/29

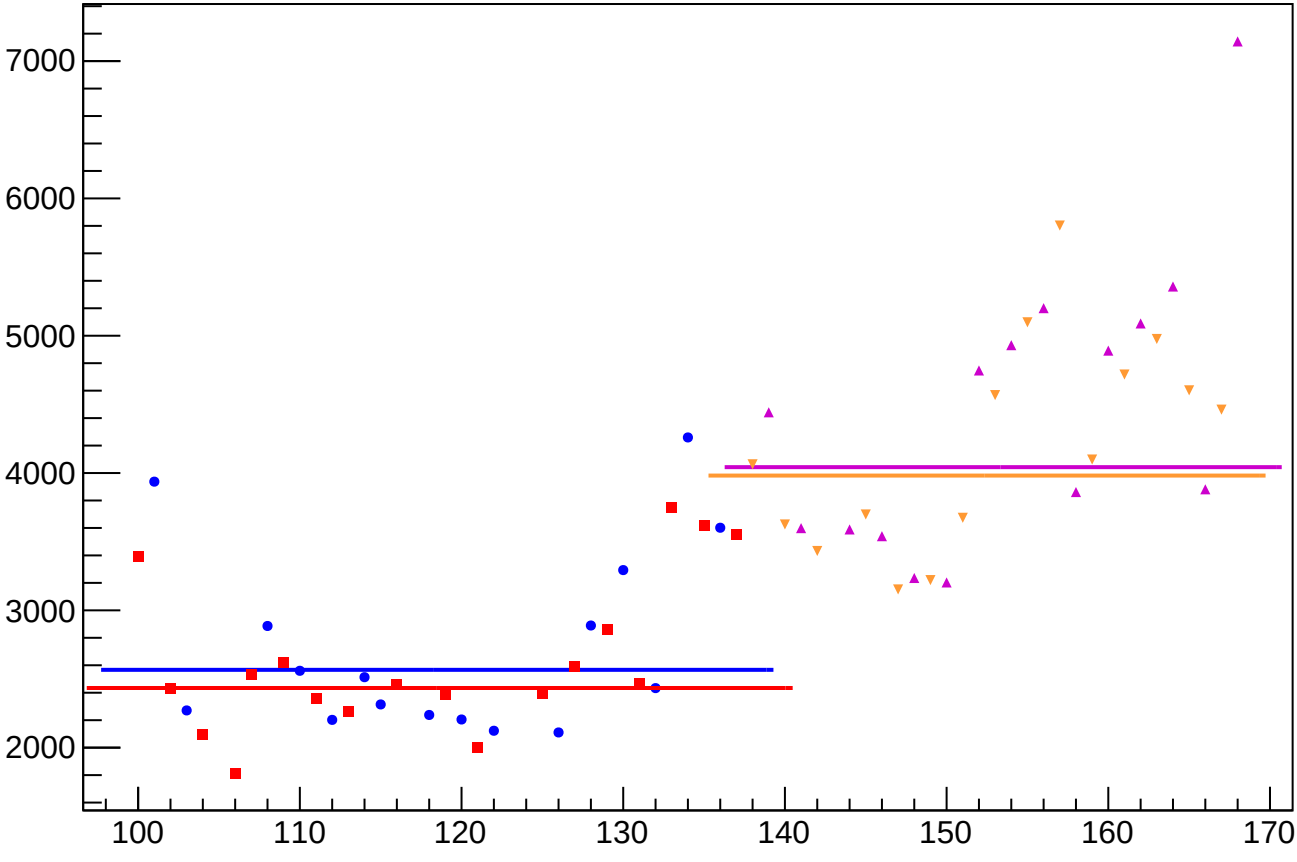
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -147.978+/-752.785 χ^2/NDF:24.6/30

Out: 134.116+/-727.485 χ^2/NDF:37.1/32

All: -2.111+/-523.125 χ^2/NDF: 61.8/63

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3981.548+/-0.837 χ^2/NDF:679926.0/14

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4042.821+/-0.832 χ^2/NDF:1027550.8/14

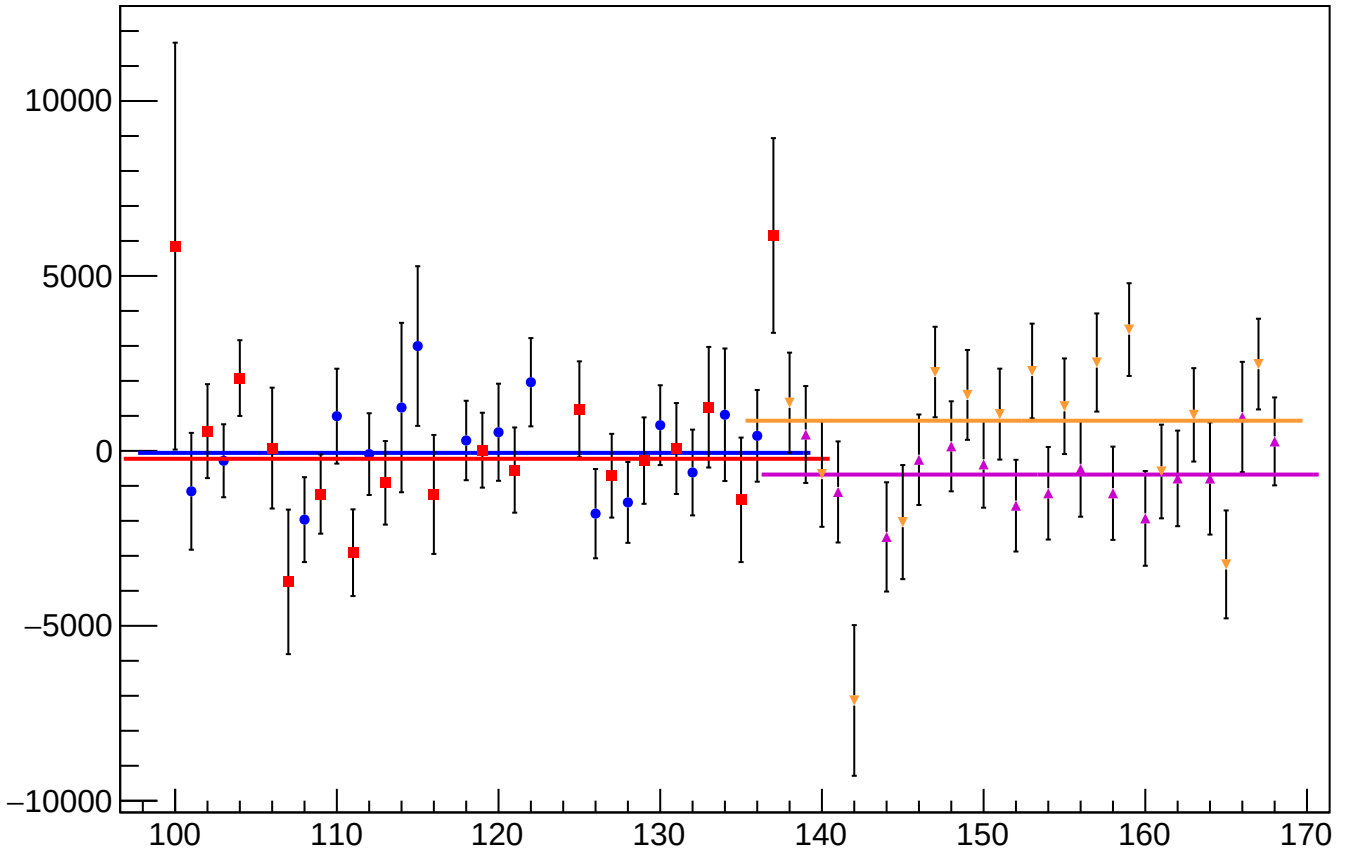
Left: 4012.391+/-0.590 χ^2/NDF: 1710173.4/29

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3171.597+/-0.532 χ^2/NDF:3553265.5/30

Out: 3018.602+/-0.514 χ^2/NDF:3239812.8/32

All: 3092.486+/-0.370 χ^2/NDF: 6835795.8/63



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.455+/-362.536 χ^2/NDF:35.9/14

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -676.964+/-353.087 χ^2/NDF:6.0/14

Left: 72.422+/-252.945 χ^2/NDF: 51.1/29

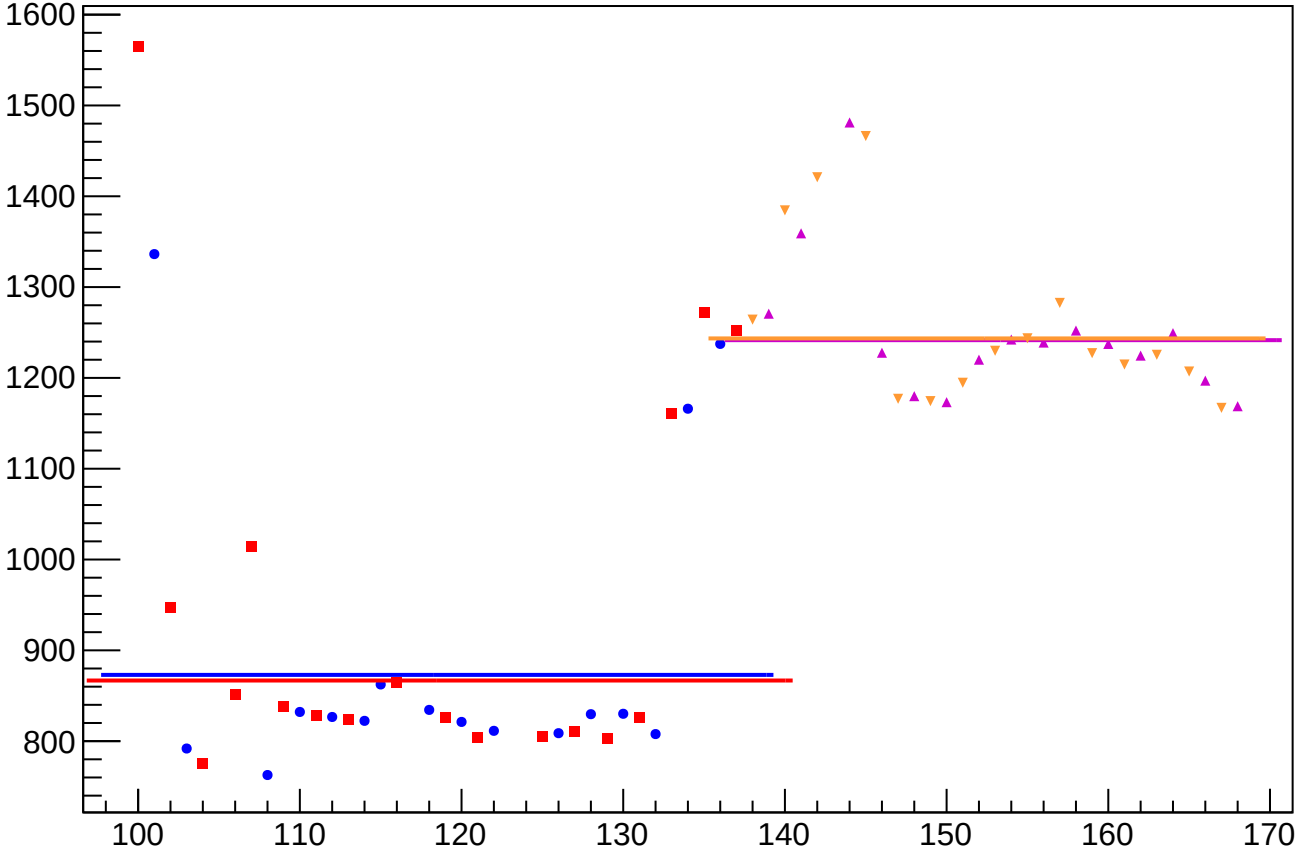
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -346.245+/-241.129 χ^2/NDF:20.6/30

Out: 263.997+/-243.255 χ^2/NDF:63.8/32

All: -43.803+/-171.250 χ^2/NDF: 87.6/63

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1243.473+/-0.256 χ^2/NDF:94151.4/14

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1241.559+/-0.250 χ^2/NDF:81527.2/14

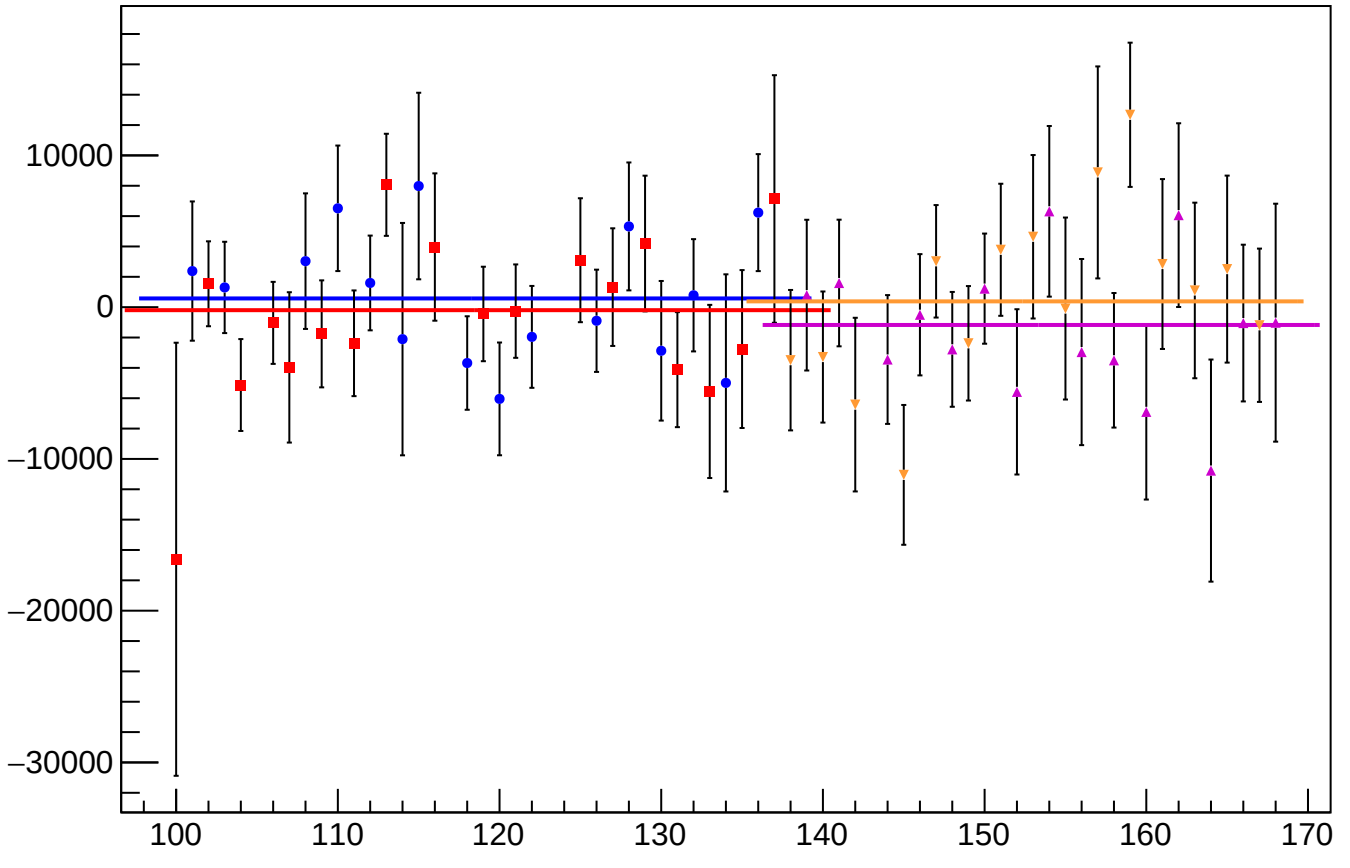
Left: 1242.491+/-0.179 χ^2/NDF: 175707.2/29

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1044.871+/-0.171 χ^2/NDF:1661641.1/30

Out: 1036.184+/-0.172 χ^2/NDF:1572768.8/32

All: 1040.563+/-0.121 χ^2/NDF: 3235697.0/63



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 382.076+/-1261.563 χ^2/NDF:19.9/14

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1172.659+/-1255.429 χ^2/NDF:8.4/14

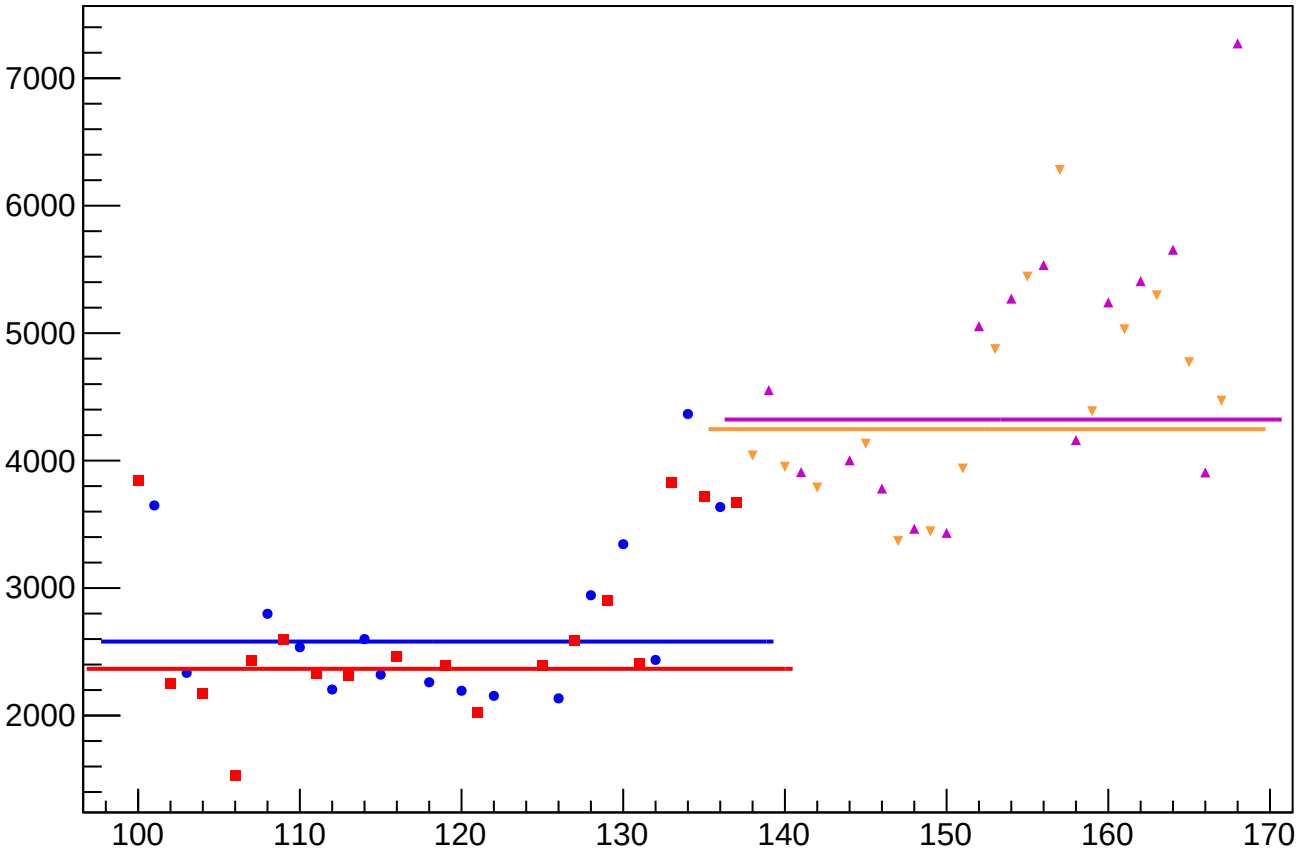
Left: -399.081+/-889.883 χ^2/NDF: 29.1/29

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -90.648+/-774.891 χ^2/NDF:24.3/30

Out: -4.015+/-729.484 χ^2/NDF:37.2/32

All: -44.719+/-531.151 χ^2/NDF: 61.5/63



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4246.920+/-0.892 χ^2/NDF:641770.6/14

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4322.270+/-0.888 χ^2/NDF:945933.0/14

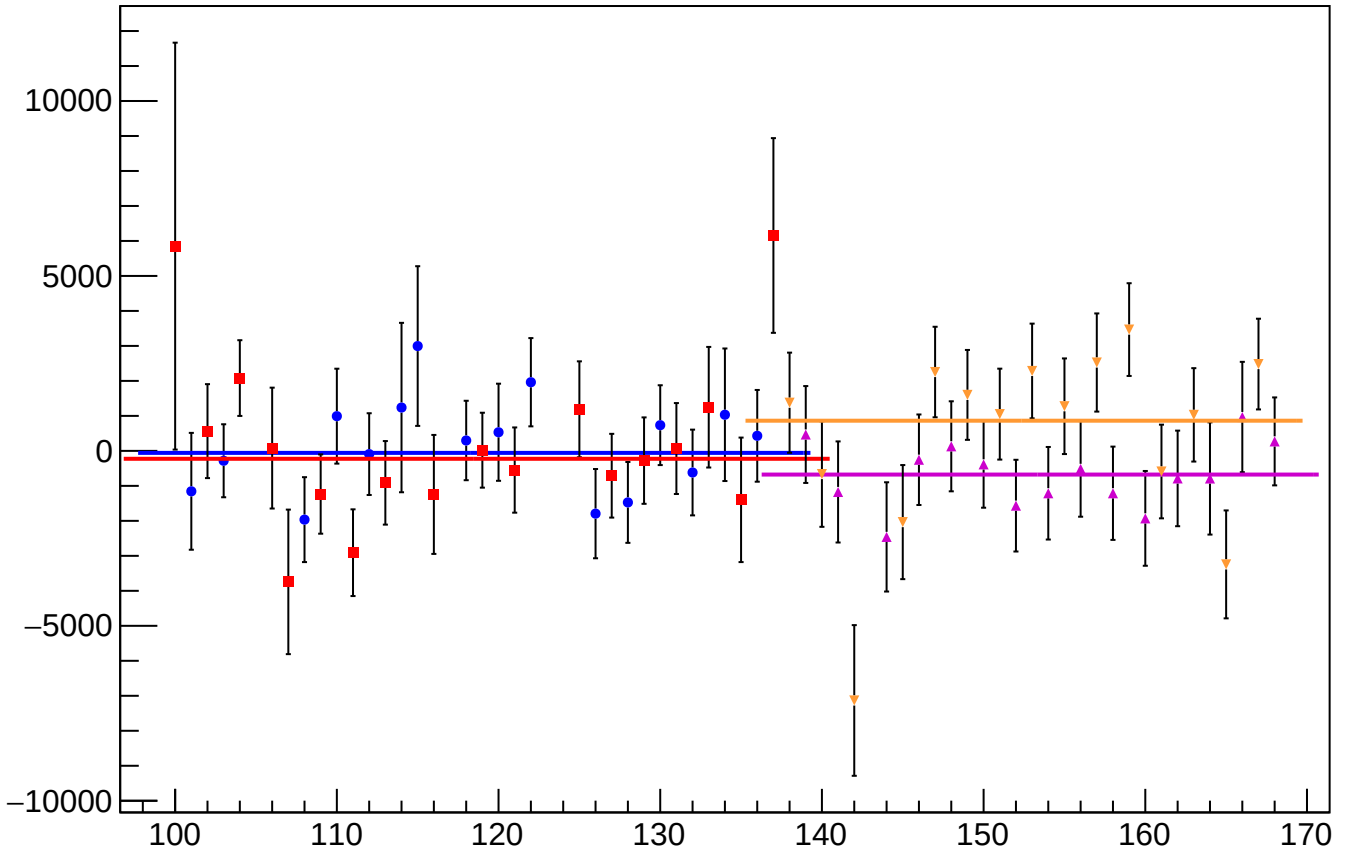
Left: 4284.779+/-0.629 χ^2/NDF: 1591288.3/29

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3243.996+/-0.548 χ^2/NDF:3946488.6/30

Out: 2995.179+/-0.516 χ^2/NDF:4211492.3/32

All: 3112.084+/-0.376 χ^2/NDF: 8267304.0/63



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 862.457+/-362.537 χ^2/NDF:35.9/14

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -676.964+/-353.088 χ^2/NDF:6.0/14

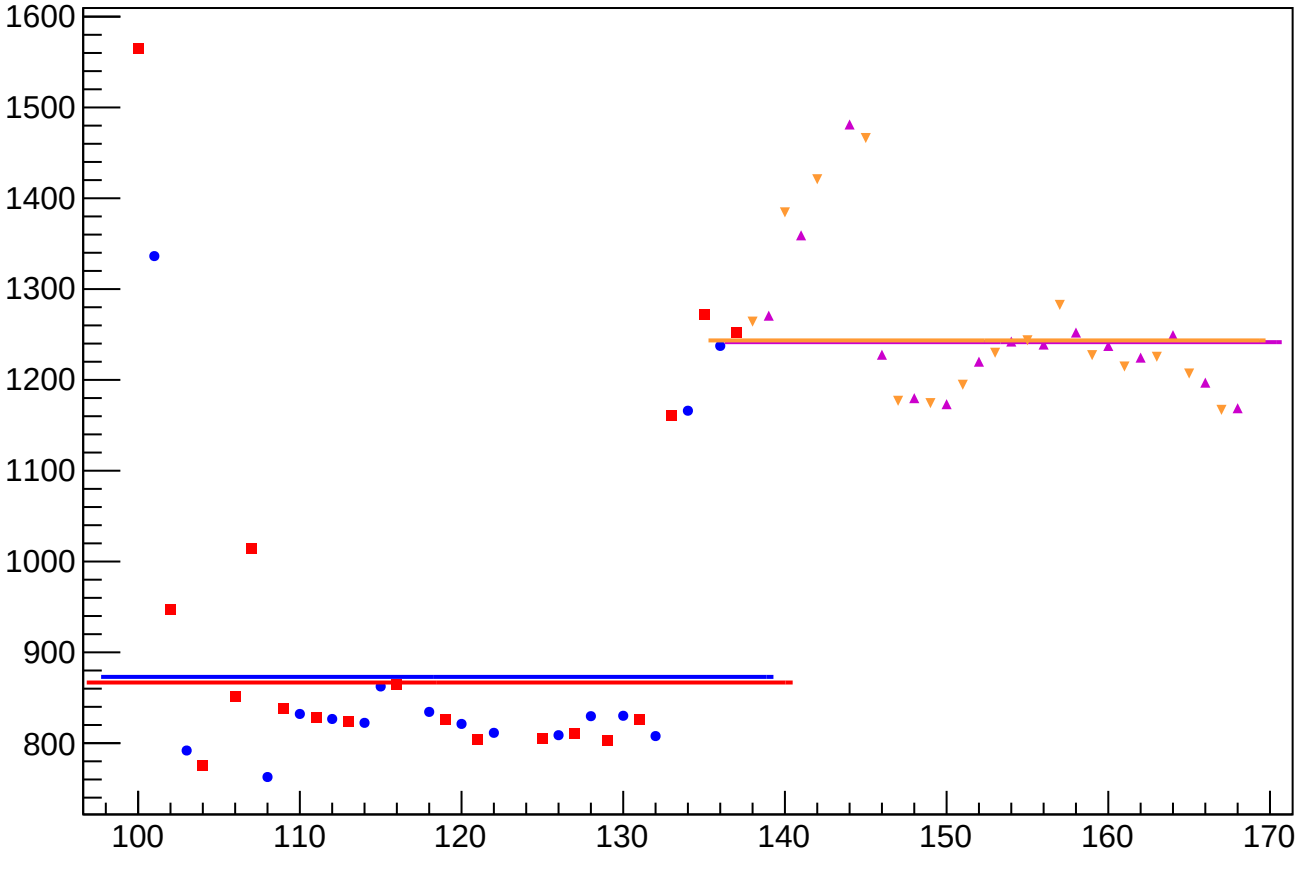
Left: 72.424+/-252.945 χ^2/NDF: 51.1/29

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -346.246+/-241.129 χ^2/NDF:20.6/30

Out: 263.996+/-243.255 χ^2/NDF:63.8/32

All: -43.804+/-171.251 χ^2/NDF: 87.6/63



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1243.475+/-0.256 χ^2/NDF:94153.0/14

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1241.560+/-0.250 χ^2/NDF:81528.0/14

Left: 1242.492+/-0.179 χ^2/NDF: 175709.6/29

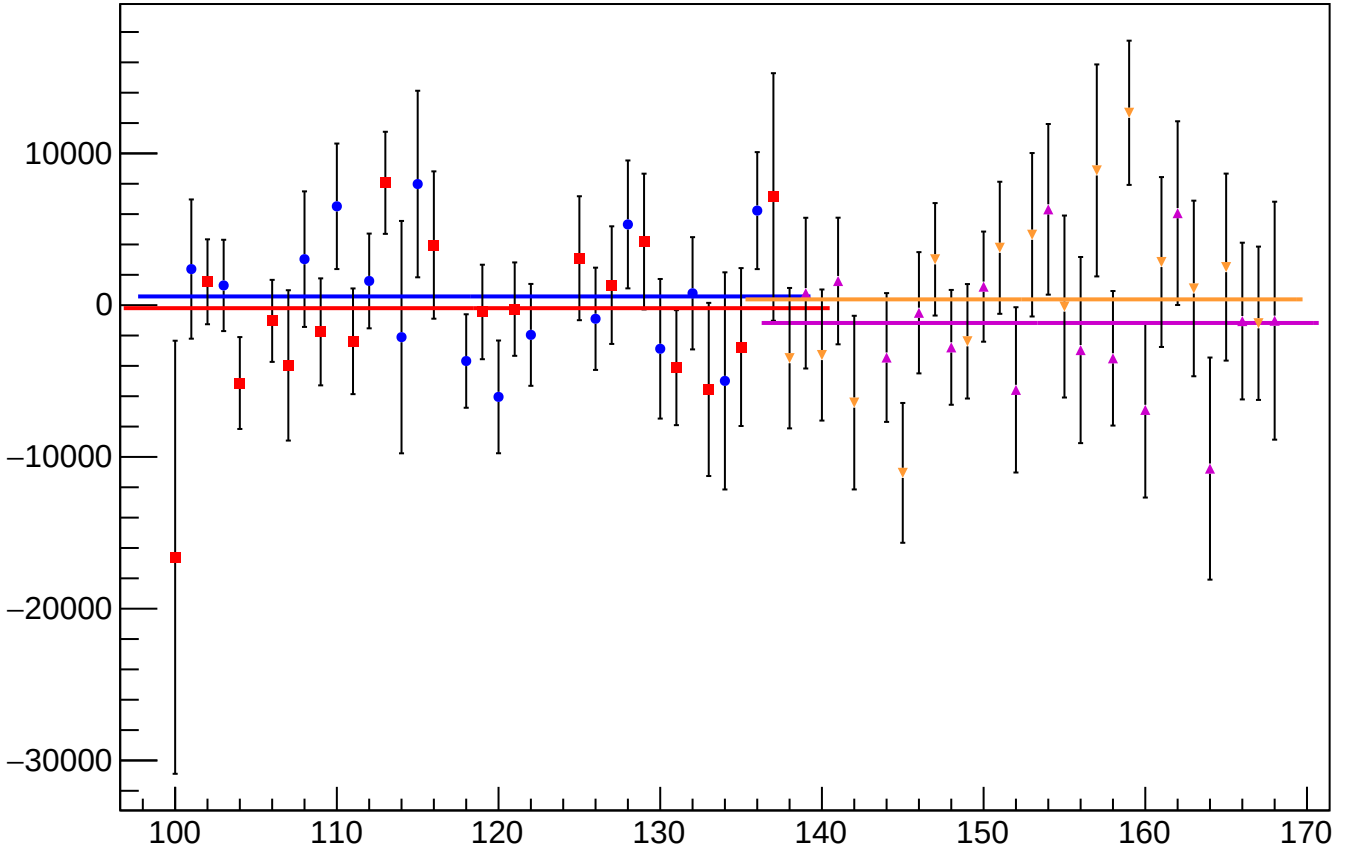
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1044.871+/-0.171 χ^2/NDF:1661648.3/30

Out: 1036.184+/-0.172 χ^2/NDF:1572777.4/32

All: 1040.564+/-0.121 χ^2/NDF: 3235712.8/63

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 382.079+/-1261.565 χ^2/NDF:19.9/14

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1172.659+/-1255.430 χ^2/NDF:8.4/14

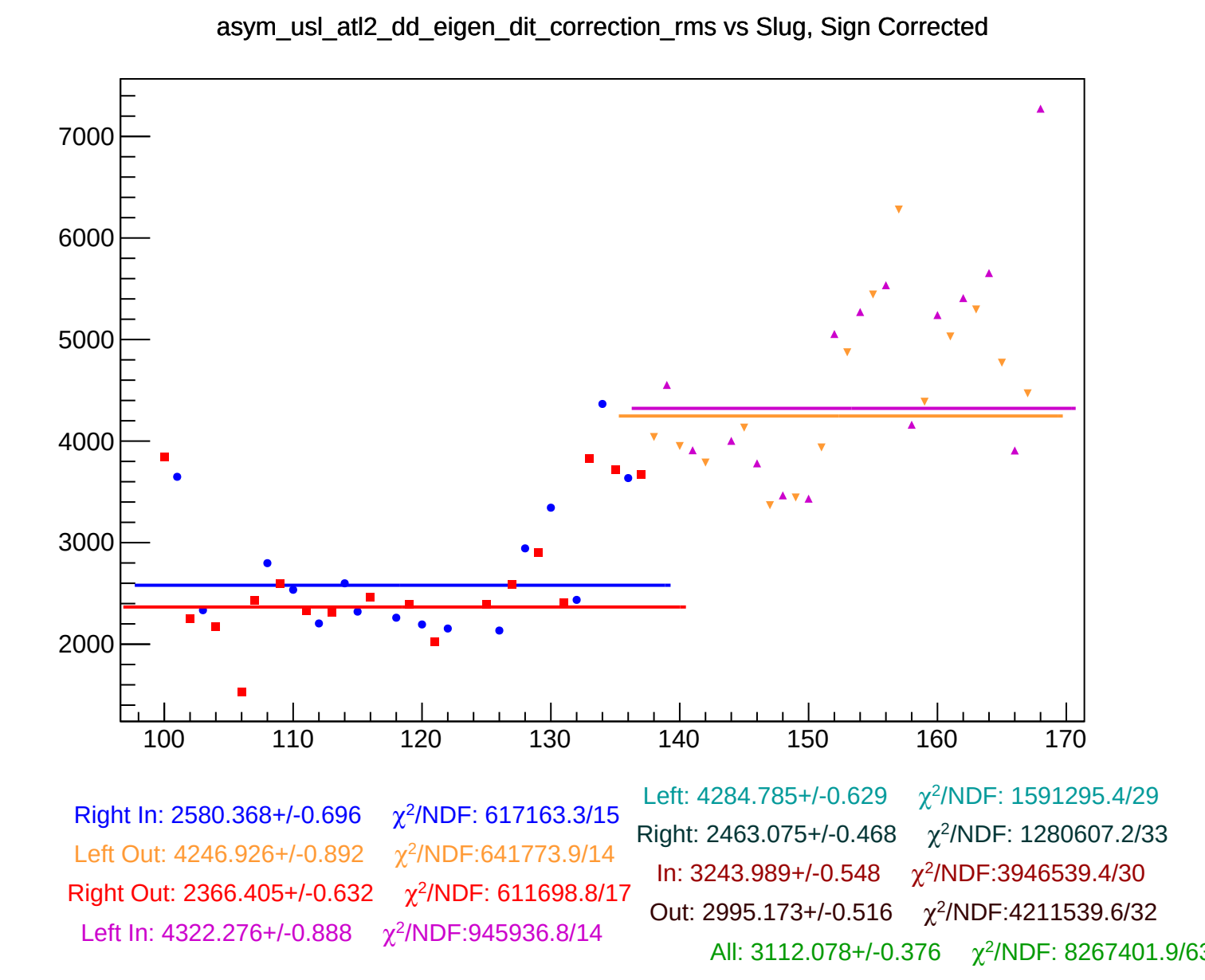
Left: -399.079+/-889.884 χ^2/NDF: 29.1/29

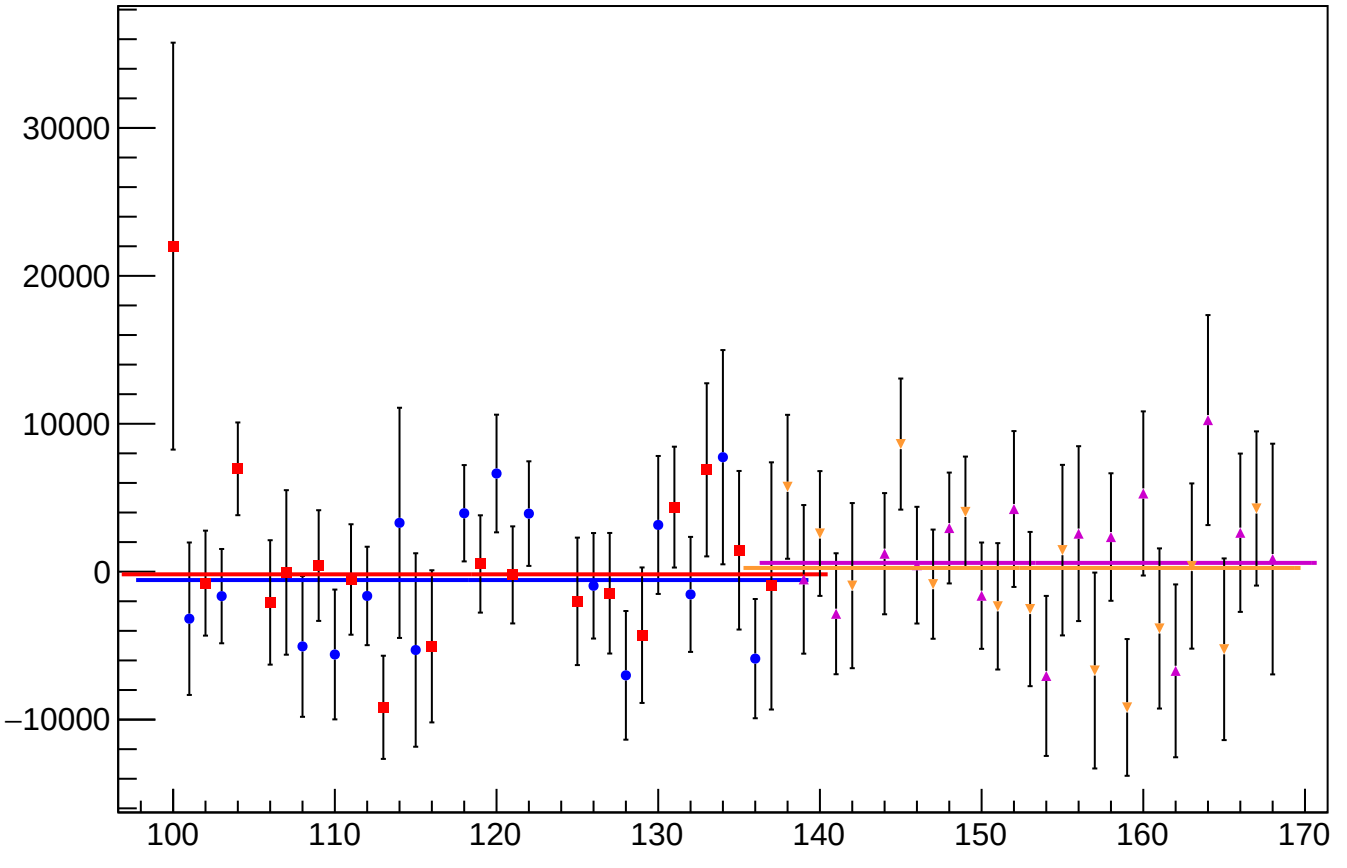
Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -90.647+/-774.890 χ^2/NDF:24.3/30

Out: -4.016+/-729.484 χ^2/NDF:37.2/32

All: -44.719+/-531.150 χ^2/NDF: 61.5/63


asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2580.368+/-0.696 χ²/NDF: 617163.3/15
Left Out: 4246.926+/-0.892 χ²/NDF:641773.9/14
Right Out: 2366.405+/-0.632 χ²/NDF: 611698.8/17
Left In: 4322.276+/-0.888 χ²/NDF:945936.8/14
Left: 4284.785+/-0.629 χ²/NDF: 1591295.4/29
Right: 2463.075+/-0.468 χ²/NDF: 1280607.2/33
In: 3243.989+/-0.548 χ²/NDF:3946539.4/30
Out: 2995.173+/-0.516 χ²/NDF:4211539.6/32
All: 3112.078+/-0.376 χ²/NDF: 8267401.9/63



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 251.905+/-1243.281 χ^2/NDF:14.2/14

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 594.749+/-1233.314 χ^2/NDF:8.6/14

Left: 424.707+/-875.587 χ^2/NDF: 22.8/29

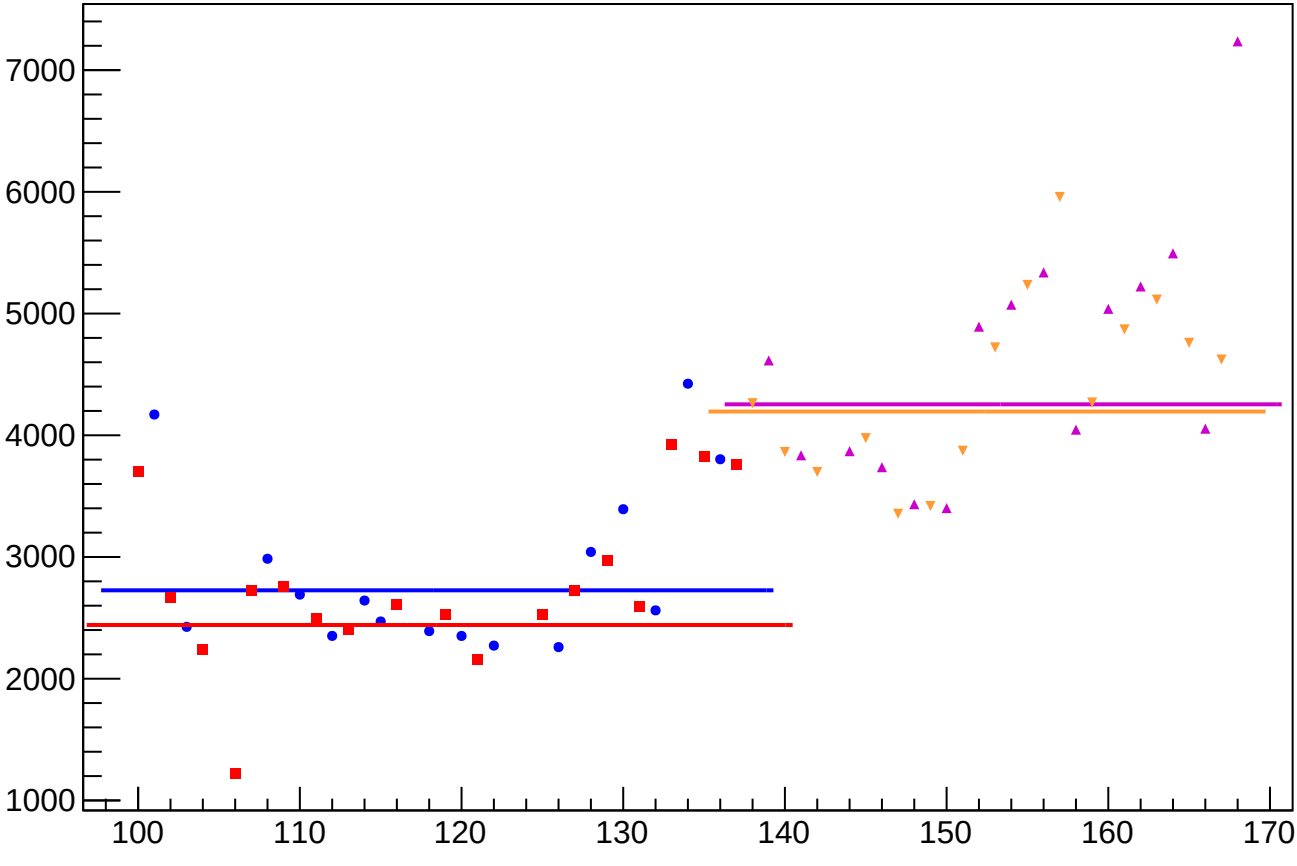
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -83.509+/-795.197 χ^2/NDF:25.3/30

Out: -11.876+/-773.693 χ^2/NDF:33.8/32

All: -46.710+/-554.530 χ^2/NDF: 59.1/63

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4195.137+/-0.879 χ^2/NDF:577846.2/14

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4254.321+/-0.872 χ^2/NDF:889817.6/14

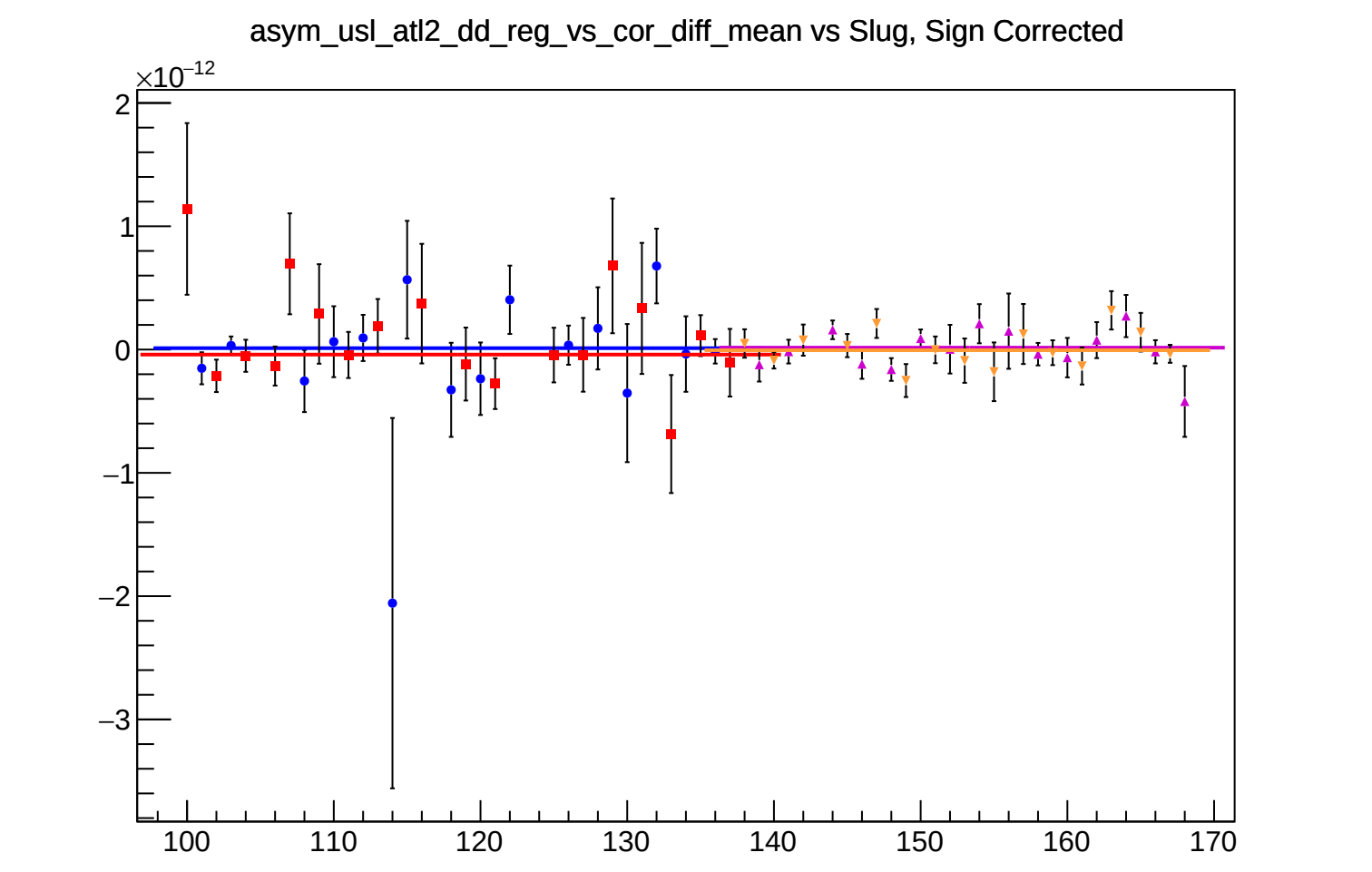
Left: 4224.967+/-0.619 χ^2/NDF: 1469948.1/29

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3361.489+/-0.562 χ^2/NDF:3306809.4/30

Out: 3082.003+/-0.531 χ^2/NDF:3994860.4/32

All: 3213.844+/-0.386 χ^2/NDF: 7432184.9/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/14

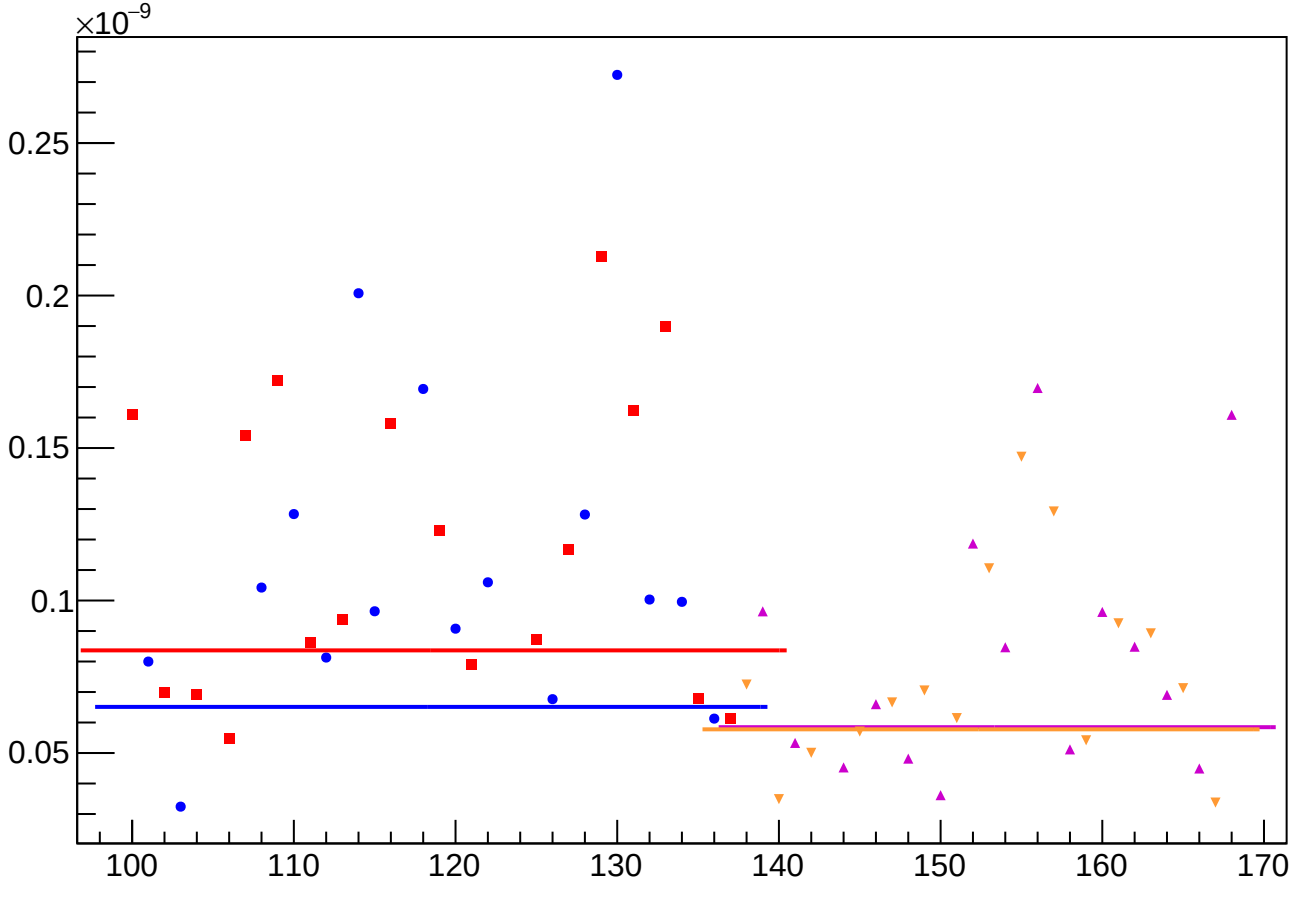
Left: 0.000+/-0.000 χ^2/NDF: 34.4/29

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:33.2/30

Out: -0.000+/-0.000 χ^2/NDF:33.6/32

All: 0.000+/-0.000 χ^2/NDF: 67.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1357957.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1437299.5/14

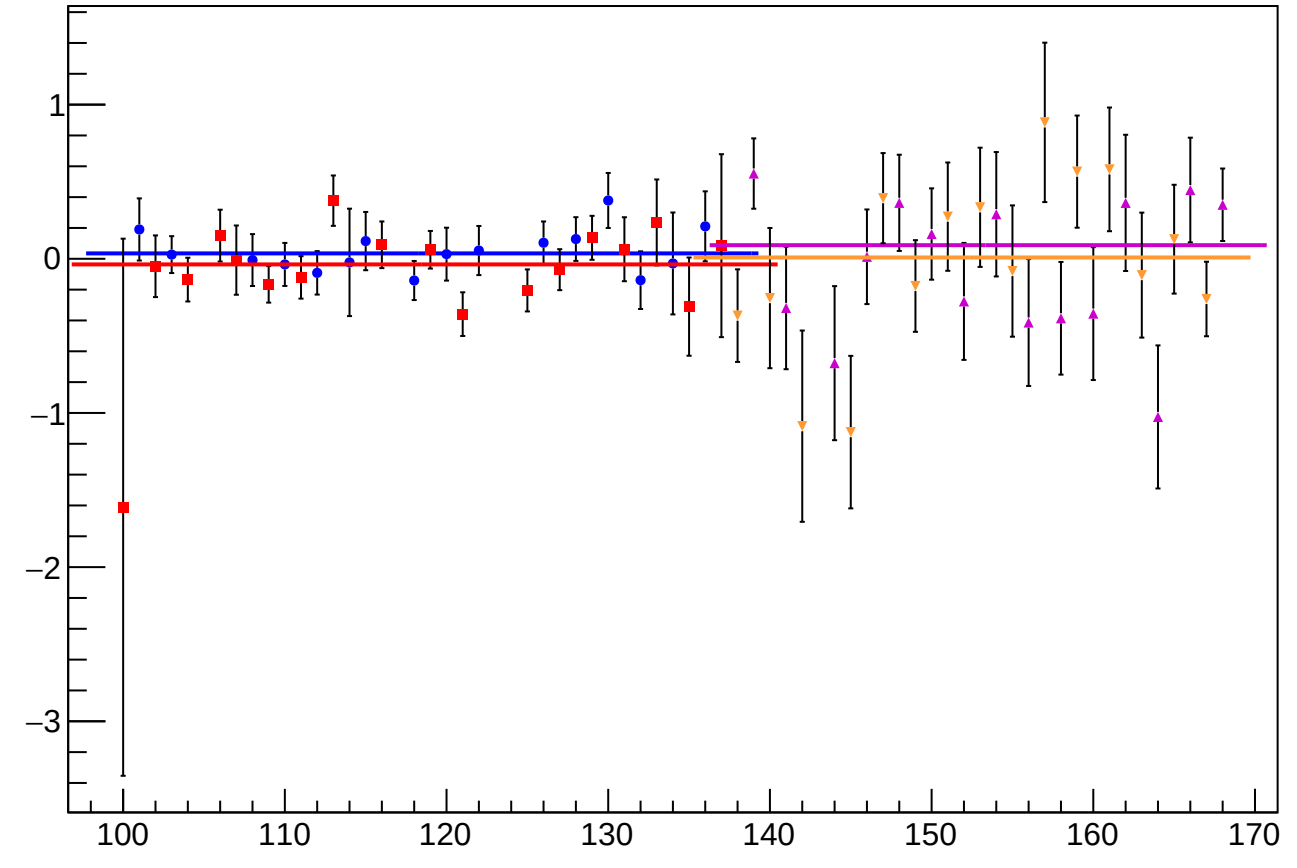
Left: 0.000+/-0.000 χ^2/NDF: 2795833.5/29

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2691412.9/30

Out: 0.000+/-0.000 χ^2/NDF:2411709.5/32

All: 0.000+/-0.000 χ^2/NDF: 5119673.2/63



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.088+/-0.088 χ^2/NDF:22.3/14

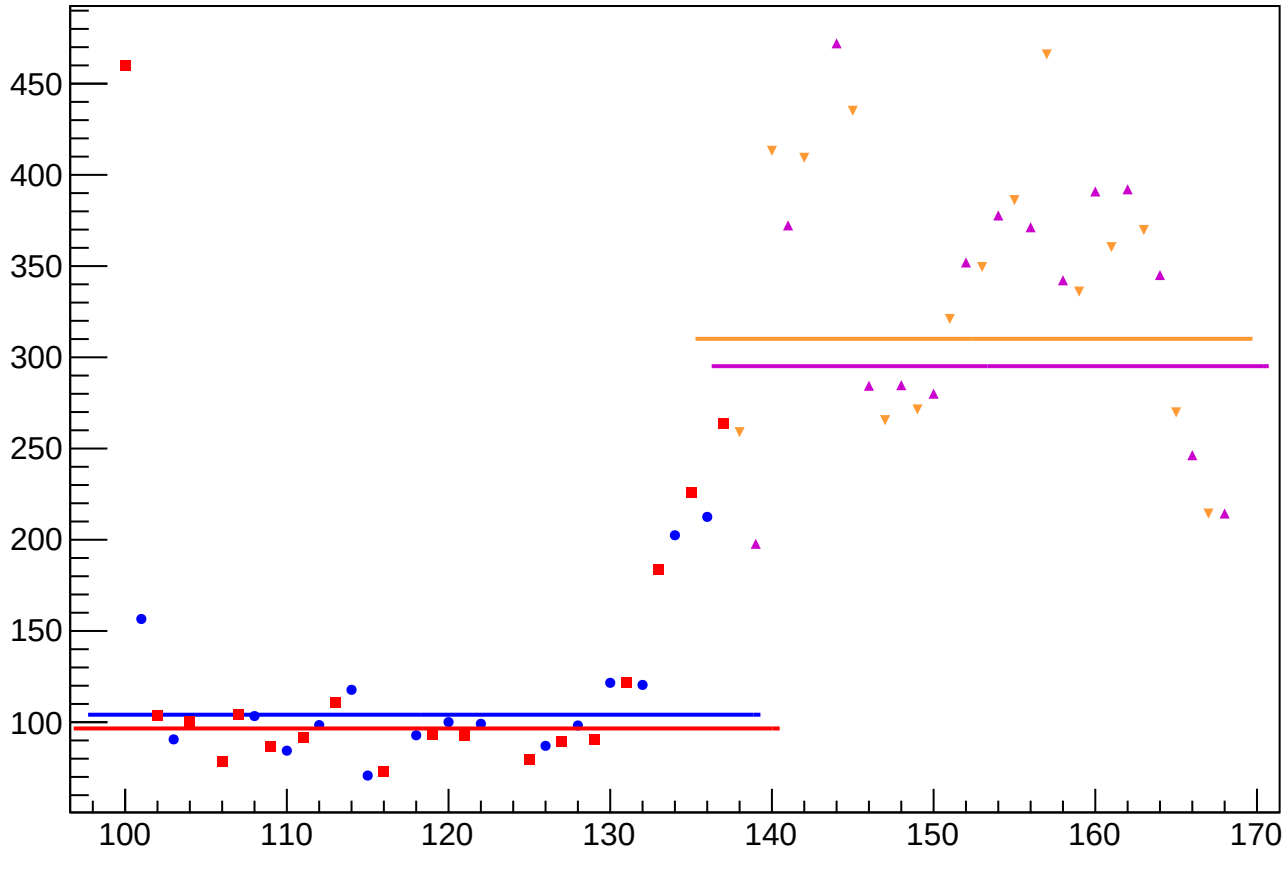
Left: 0.051+/-0.064 χ^2/NDF: 45.1/29

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.045+/-0.037 χ^2/NDF:32.4/30

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.006+/-0.026 χ^2/NDF: 79.1/63



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 310.137+/-0.066 χ^2/NDF:1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 295.141+/-0.062 χ^2/NDF:1426435.0/14

Left: 302.163+/-0.045 χ^2/NDF: 2567066.6/29

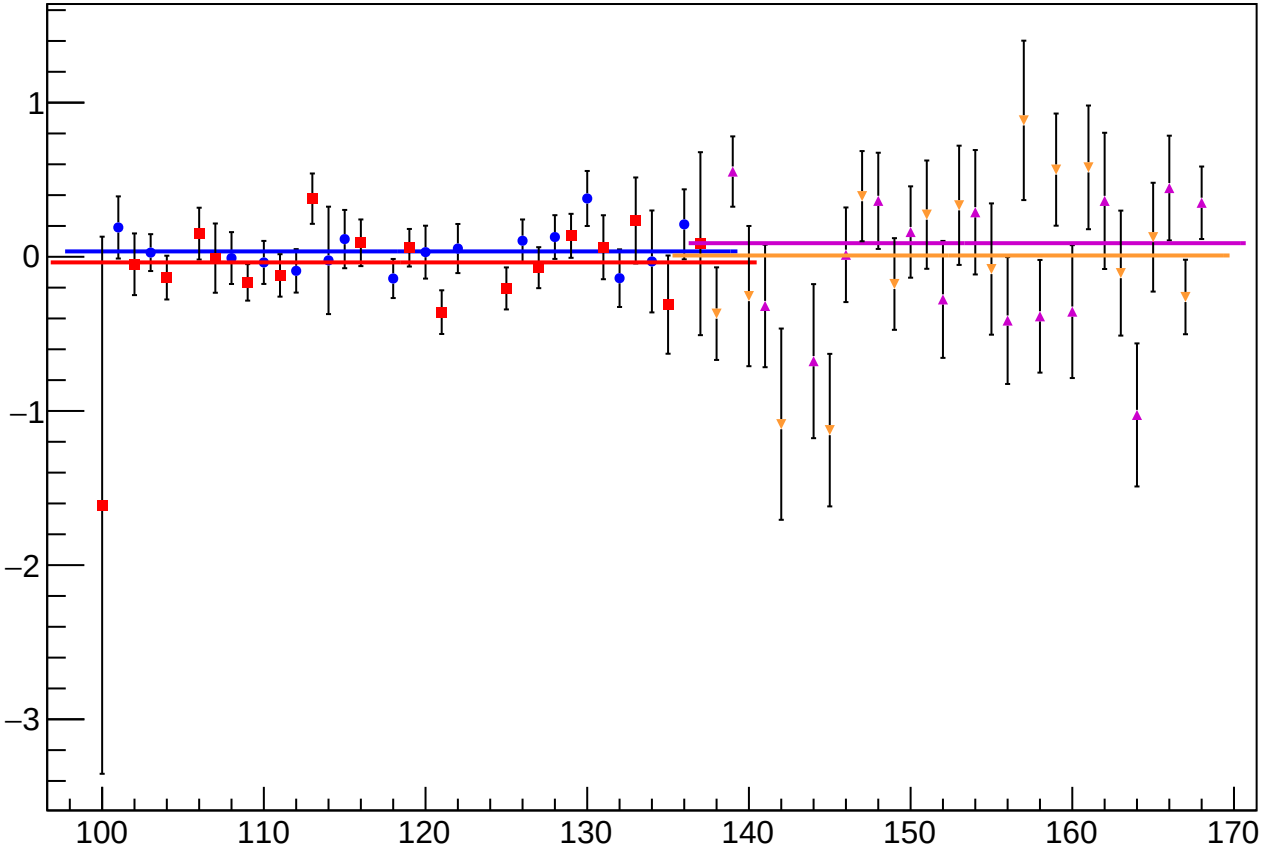
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 138.453+/-0.026 χ^2/NDF:10213000.8/30

Out: 128.146+/-0.025 χ^2/NDF:10982089.9/32

All: 133.123+/-0.018 χ^2/NDF: 21274656.1/63

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: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.088+/-0.088 χ^2/NDF:22.3/14

Left: 0.051+/-0.064 χ^2/NDF: 45.1/29

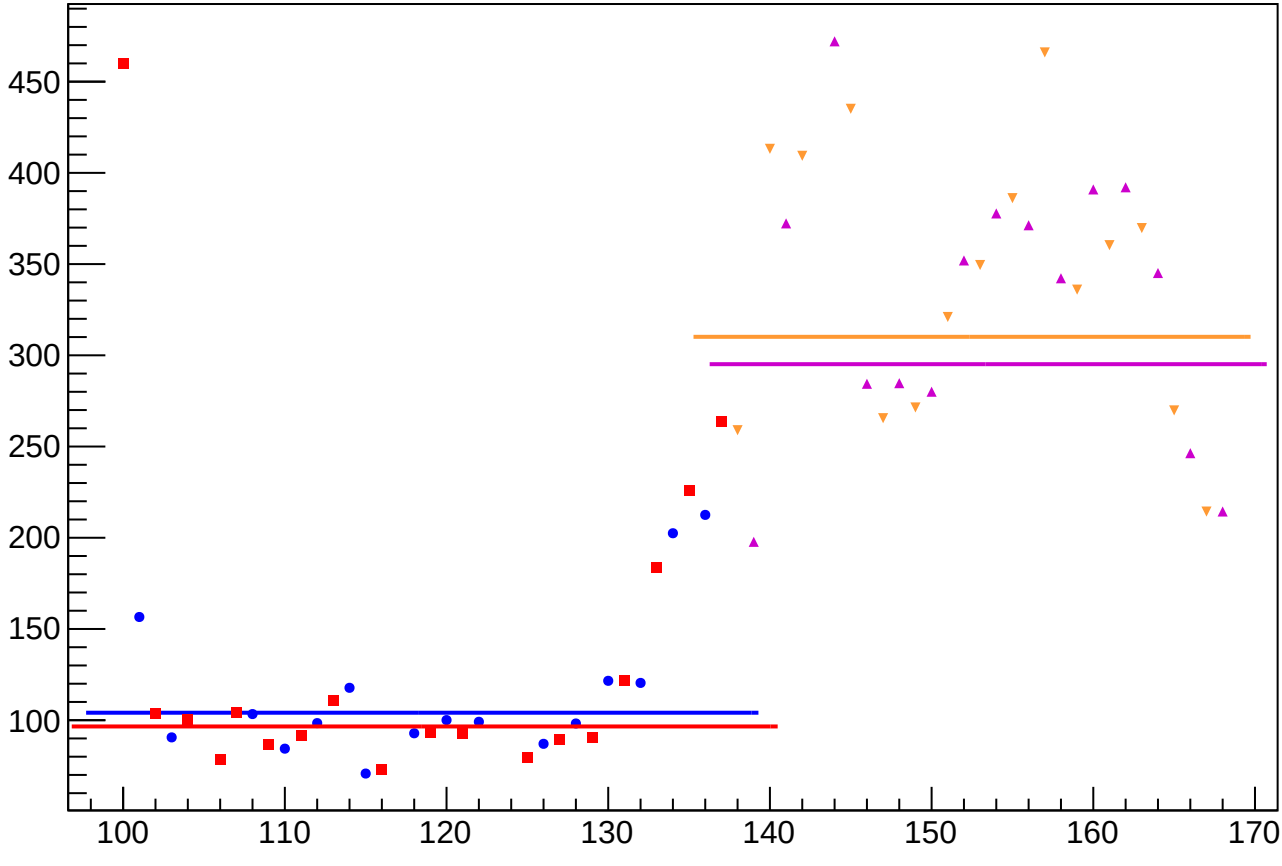
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.045+/-0.037 χ^2/NDF:32.4/30

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.006+/-0.026 χ^2/NDF: 79.1/63

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: 310.137+/-0.066 χ^2/NDF:1113207.5/14

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 295.141+/-0.062 χ^2/NDF:1426435.0/14

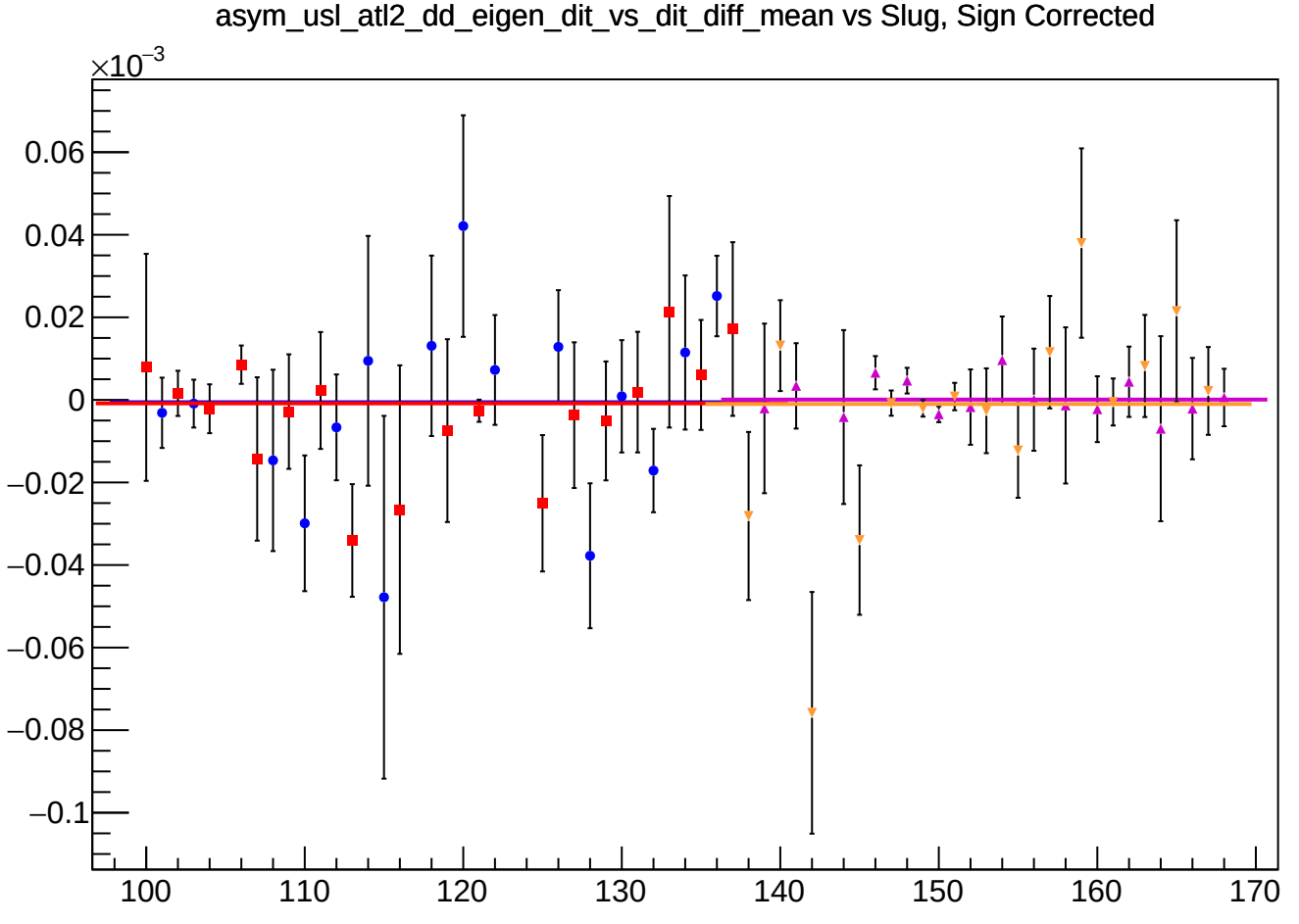
Left: 302.163+/-0.045 χ^2/NDF: 2567066.6/29

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 138.453+/-0.026 χ^2/NDF:10213000.8/30

Out: 128.146+/-0.025 χ^2/NDF:10982089.9/32

All: 133.123+/-0.018 χ^2/NDF: 21274656.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/14

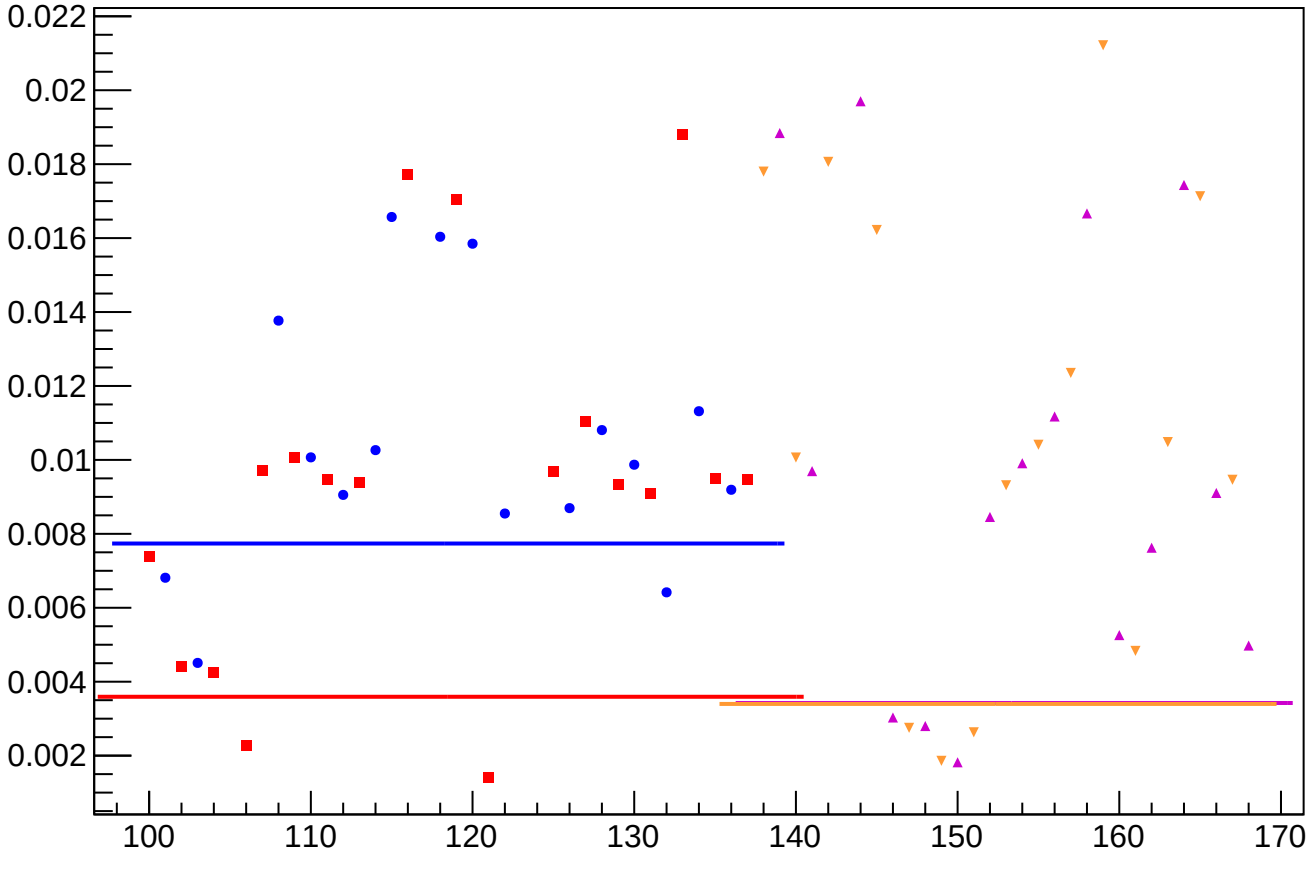
Left: -0.000+/-0.000 χ^2/NDF: 30.2/29

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.7/30

Out: -0.000+/-0.000 χ^2/NDF:36.1/32

All: -0.000+/-0.000 χ^2/NDF: 70.1/63



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10270032.7/14

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9575155.5/14

Left: 0.003+/-0.000 χ^2/NDF: 19845537.8/29

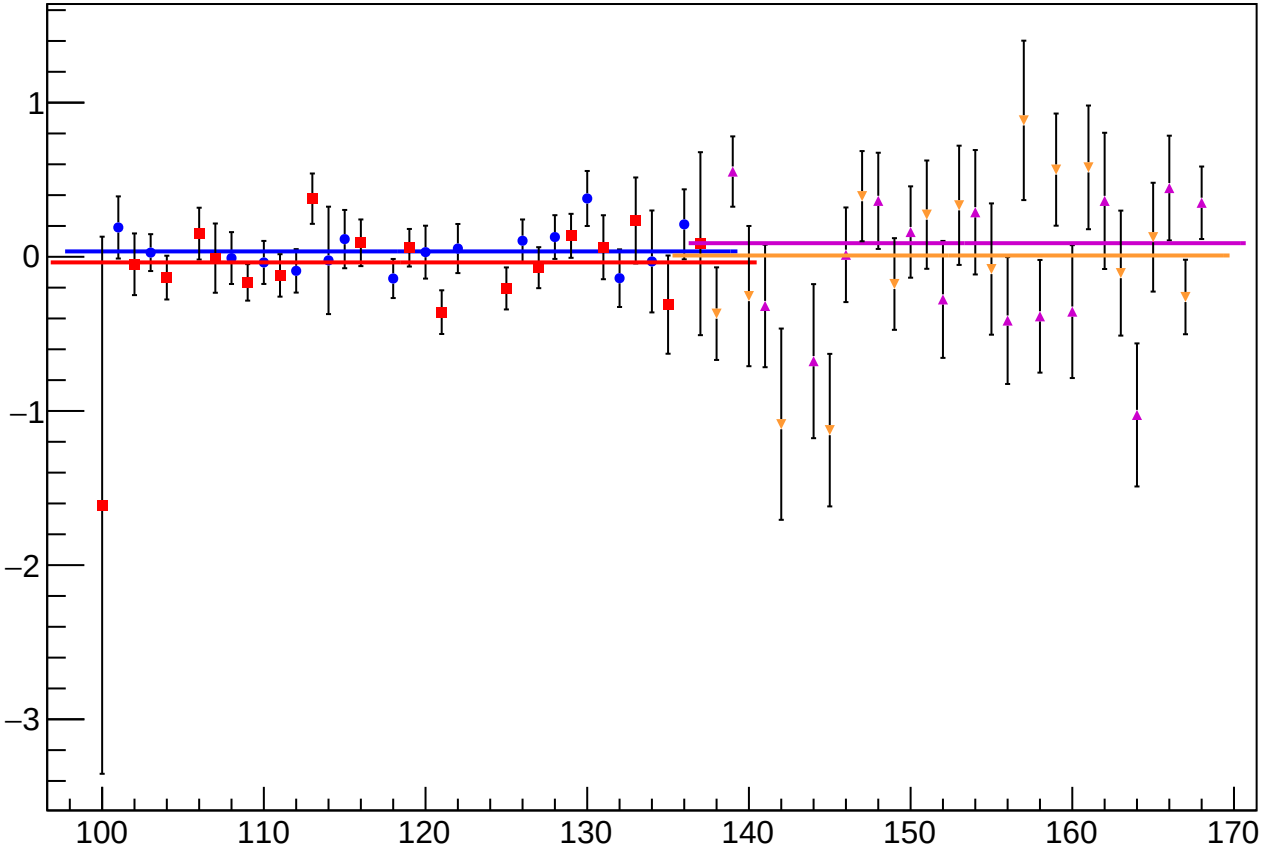
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14502030.8/30

Out: 0.003+/-0.000 χ^2/NDF:16649114.5/32

All: 0.004+/-0.000 χ^2/NDF: 31455827.9/63

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: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.088+/-0.088 χ^2/NDF:22.3/14

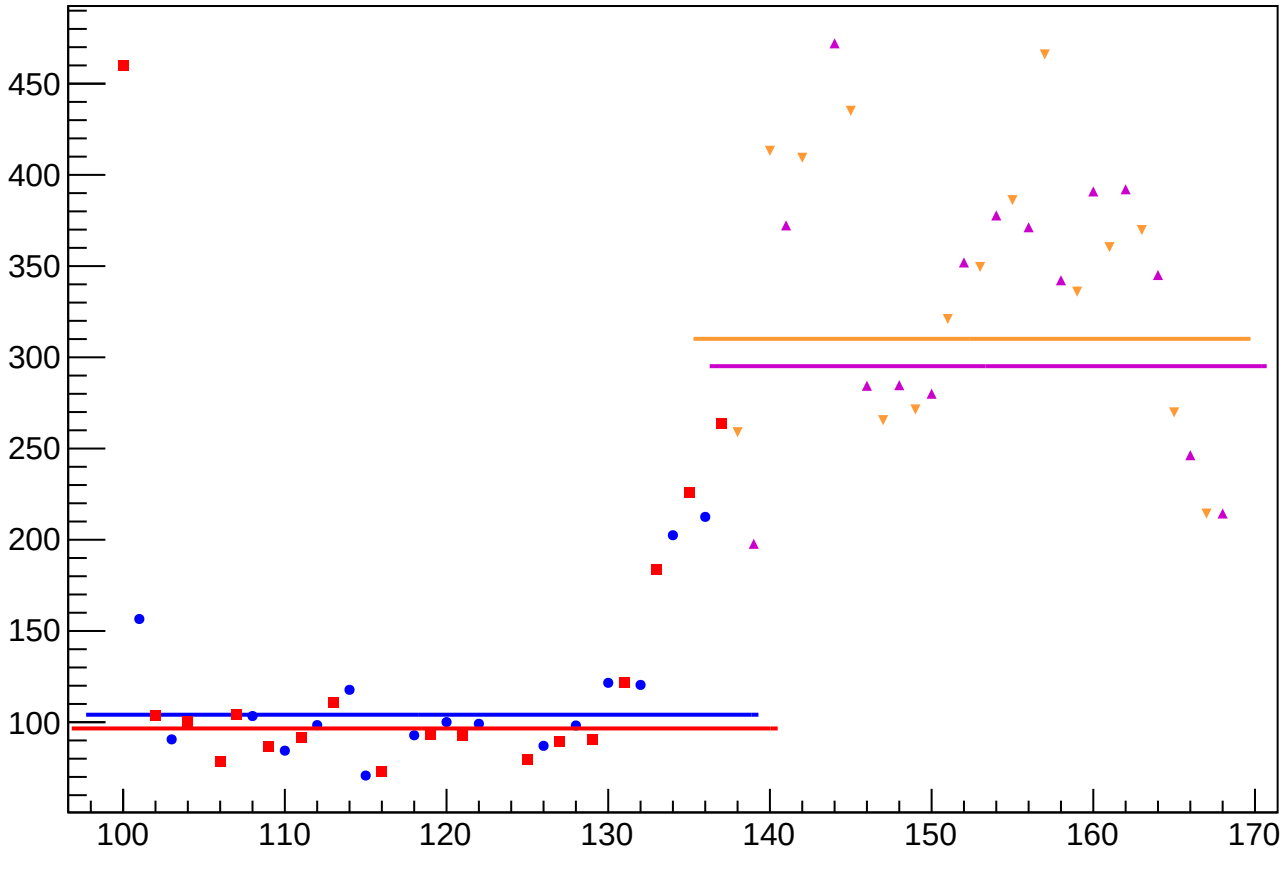
Left: 0.051+/-0.064 χ^2/NDF: 45.1/29

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.045+/-0.037 χ^2/NDF:32.4/30

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.006+/-0.026 χ^2/NDF: 79.1/63



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 310.140+/-0.066 χ^2/NDF:1113267.7/14

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 295.146+/-0.062 χ^2/NDF:1426418.4/14

Left: 302.166+/-0.045 χ^2/NDF: 2567104.2/29

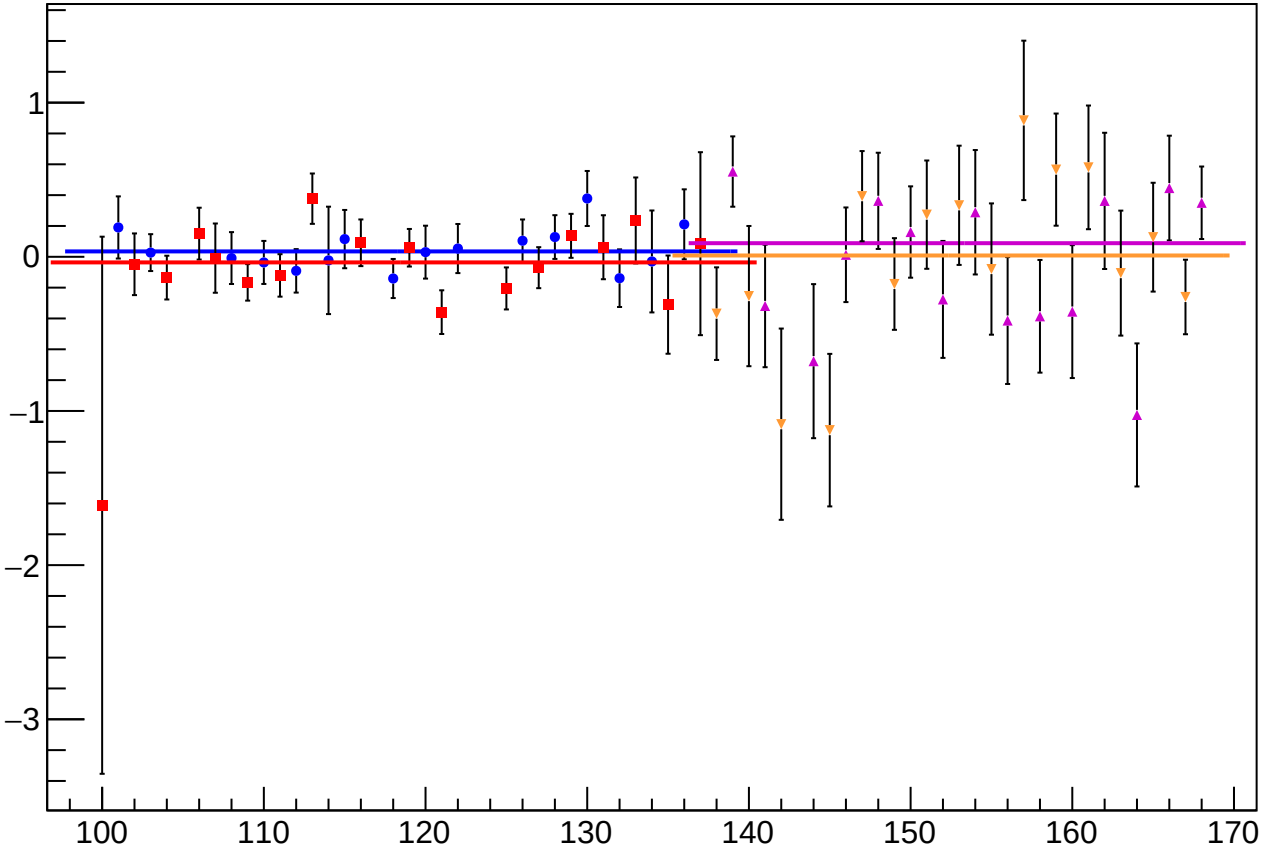
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 138.454+/-0.026 χ^2/NDF:10213031.3/30

Out: 128.147+/-0.025 χ^2/NDF:10982041.6/32

All: 133.124+/-0.018 χ^2/NDF: 21274630.1/63

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: 0.009+/-0.093 χ^2/NDF:22.4/14

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.088+/-0.088 χ^2/NDF:22.3/14

Left: 0.051+/-0.064 χ^2/NDF: 45.1/29

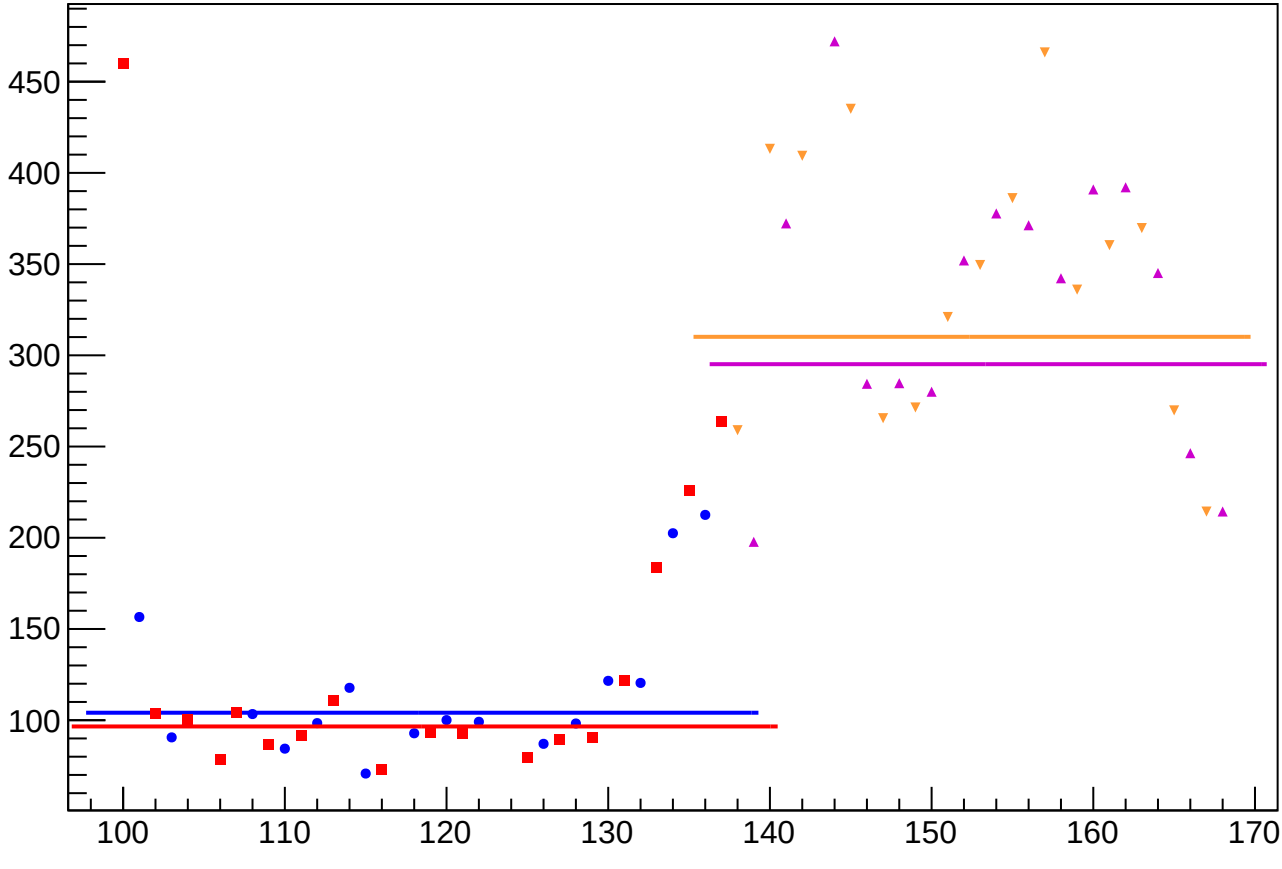
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.045+/-0.037 χ^2/NDF:32.4/30

Out: -0.030+/-0.036 χ^2/NDF:44.6/32

All: 0.006+/-0.026 χ^2/NDF: 79.1/63

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: 310.140+/-0.066 χ^2/NDF:1113267.7/14

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 295.146+/-0.062 χ^2/NDF:1426418.4/14

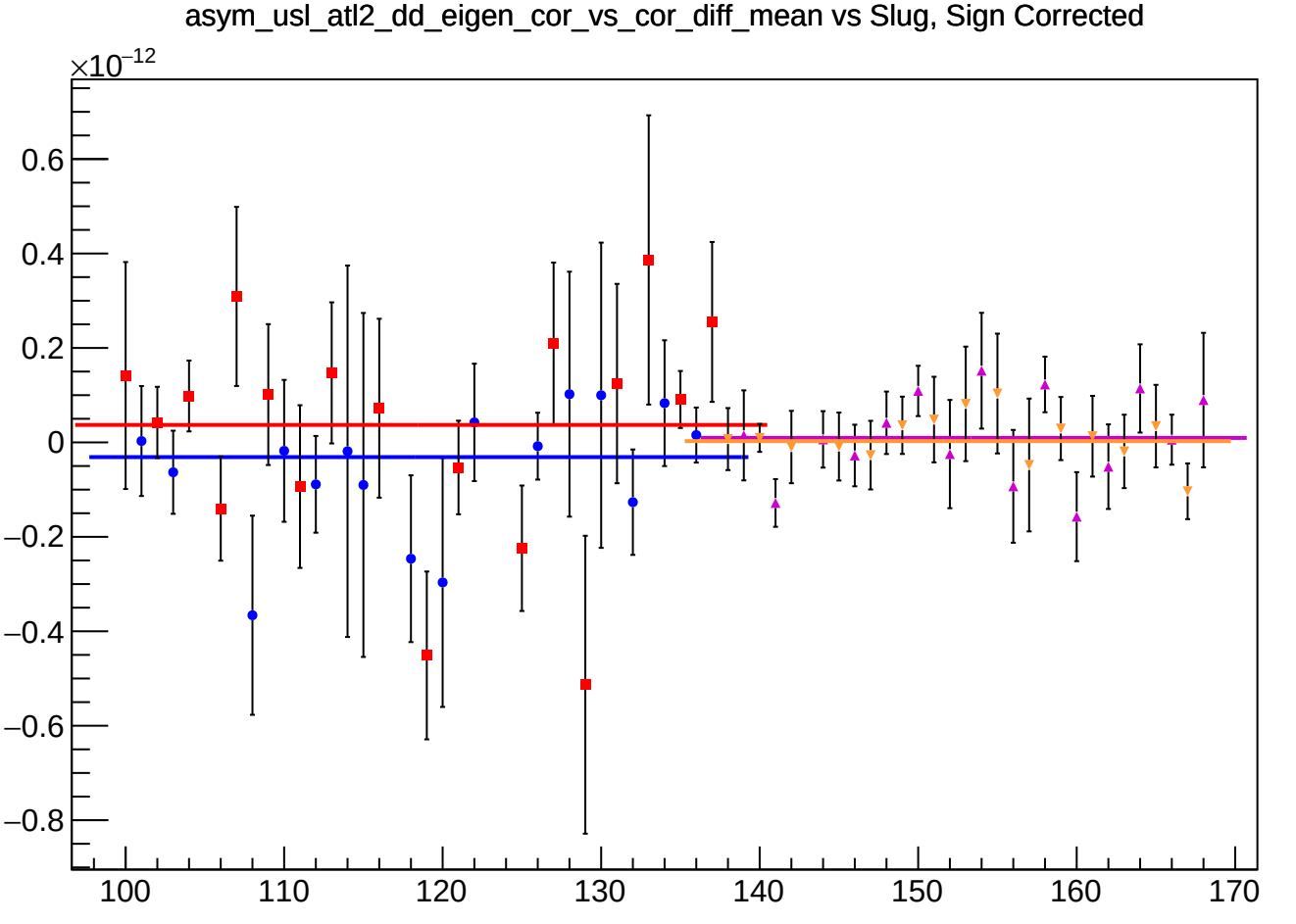
Left: 302.166+/-0.045 χ^2/NDF: 2567104.2/29

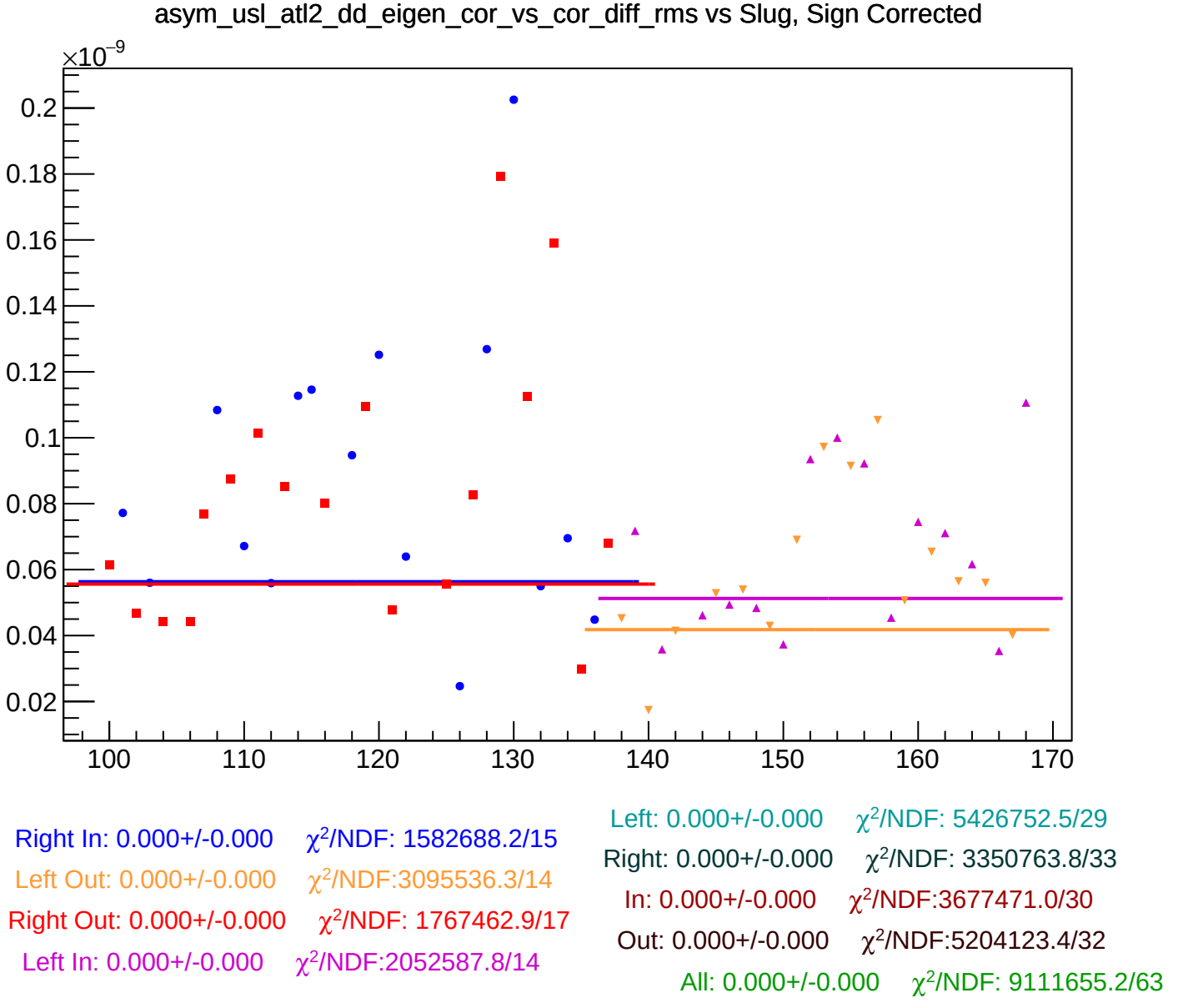
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 138.454+/-0.026 χ^2/NDF:10213031.3/30

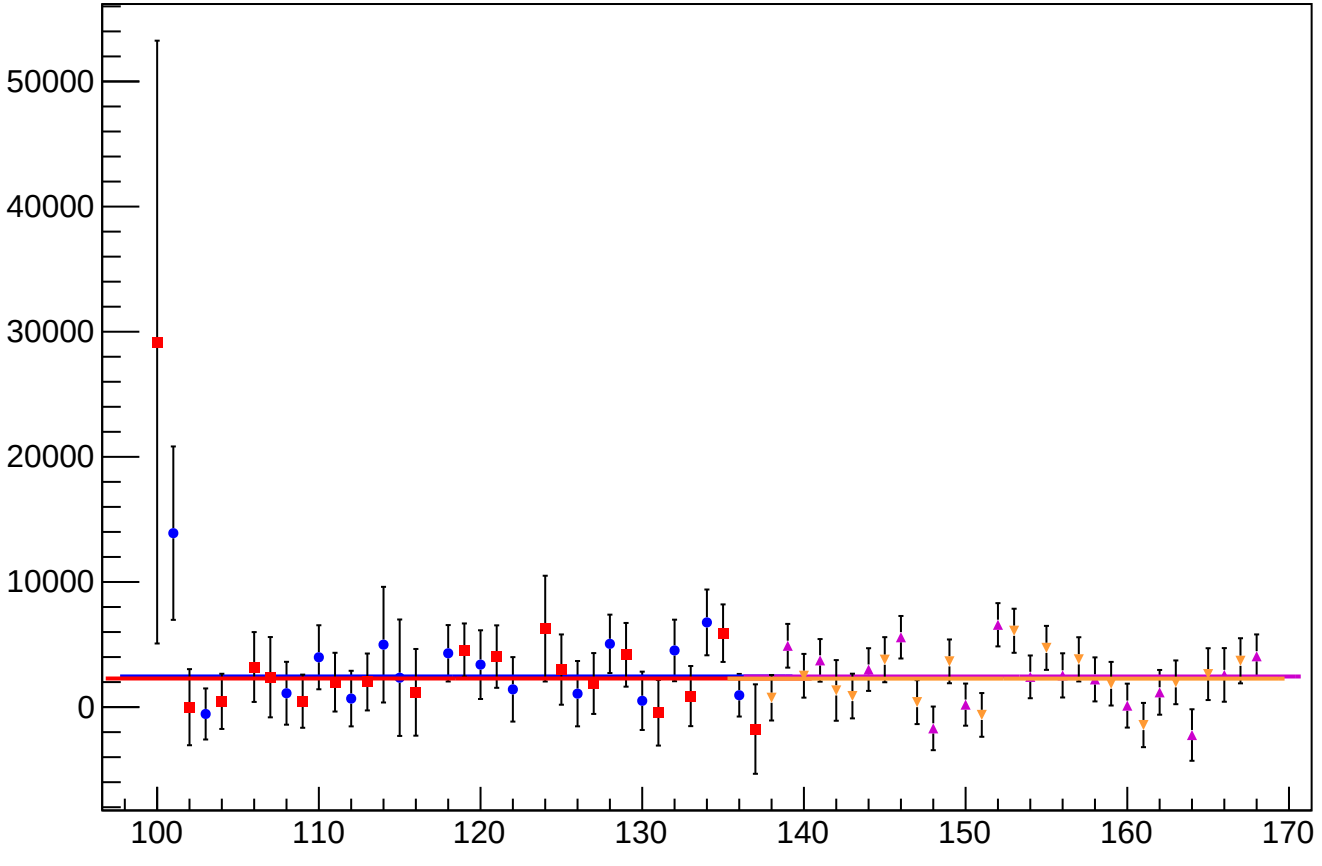
Out: 128.147+/-0.025 χ^2/NDF:10982041.6/32

All: 133.124+/-0.018 χ^2/NDF: 21274630.1/63


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:22.5/14
Left: 0.000+/-0.000 χ²/NDF: 28.2/29
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:32.5/30
Out: 0.000+/-0.000 χ²/NDF:33.7/32
All: 0.000+/-0.000 χ²/NDF: 66.6/63


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3095536.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:2052587.8/14
Left: 0.000+/-0.000 χ²/NDF: 5426752.5/29
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3677471.0/30
Out: 0.000+/-0.000 χ²/NDF:5204123.4/32
All: 0.000+/-0.000 χ²/NDF: 9111655.2/63

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.930+/-452.512 χ^2/NDF:19.3/15

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2446.529+/-457.187 χ^2/NDF:27.5/14

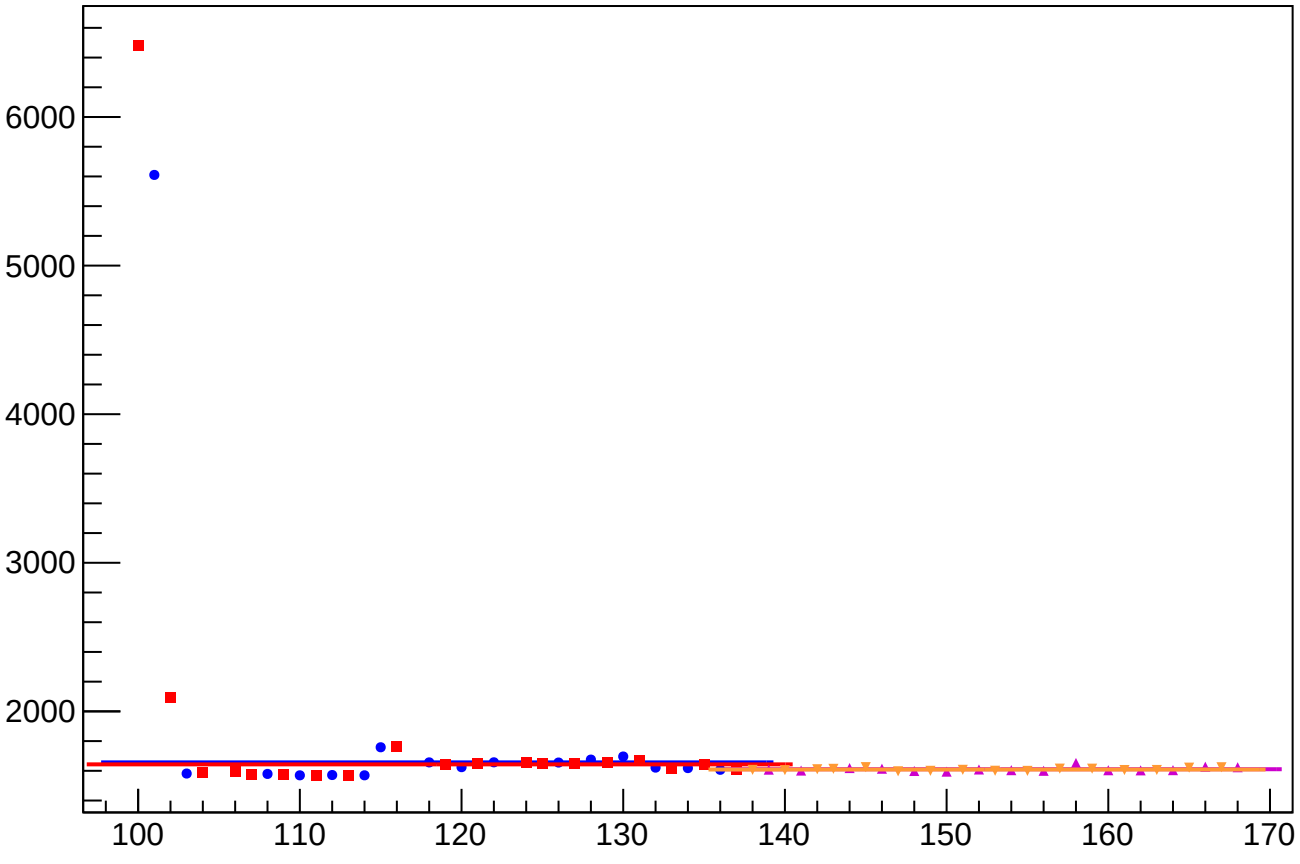
Left: 2360.858+/-321.614 χ^2/NDF: 46.9/30

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2447.711+/-370.069 χ^2/NDF:41.4/30

Out: 2280.359+/-363.252 χ^2/NDF:31.1/34

All: 2362.479+/-259.235 χ^2/NDF: 72.6/65



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

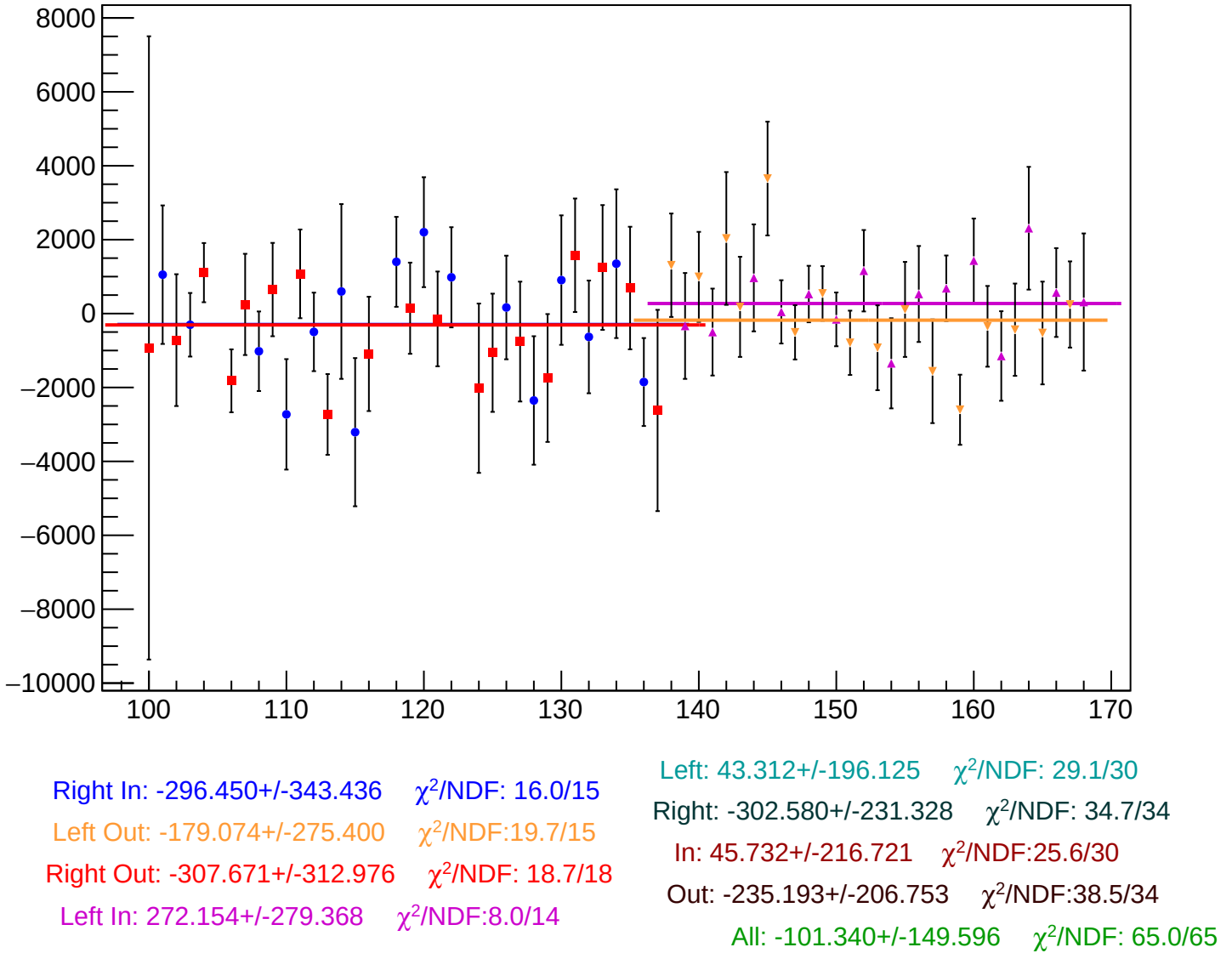
Left: 1609.730+/-0.227 χ^2/NDF: 2678.0/30

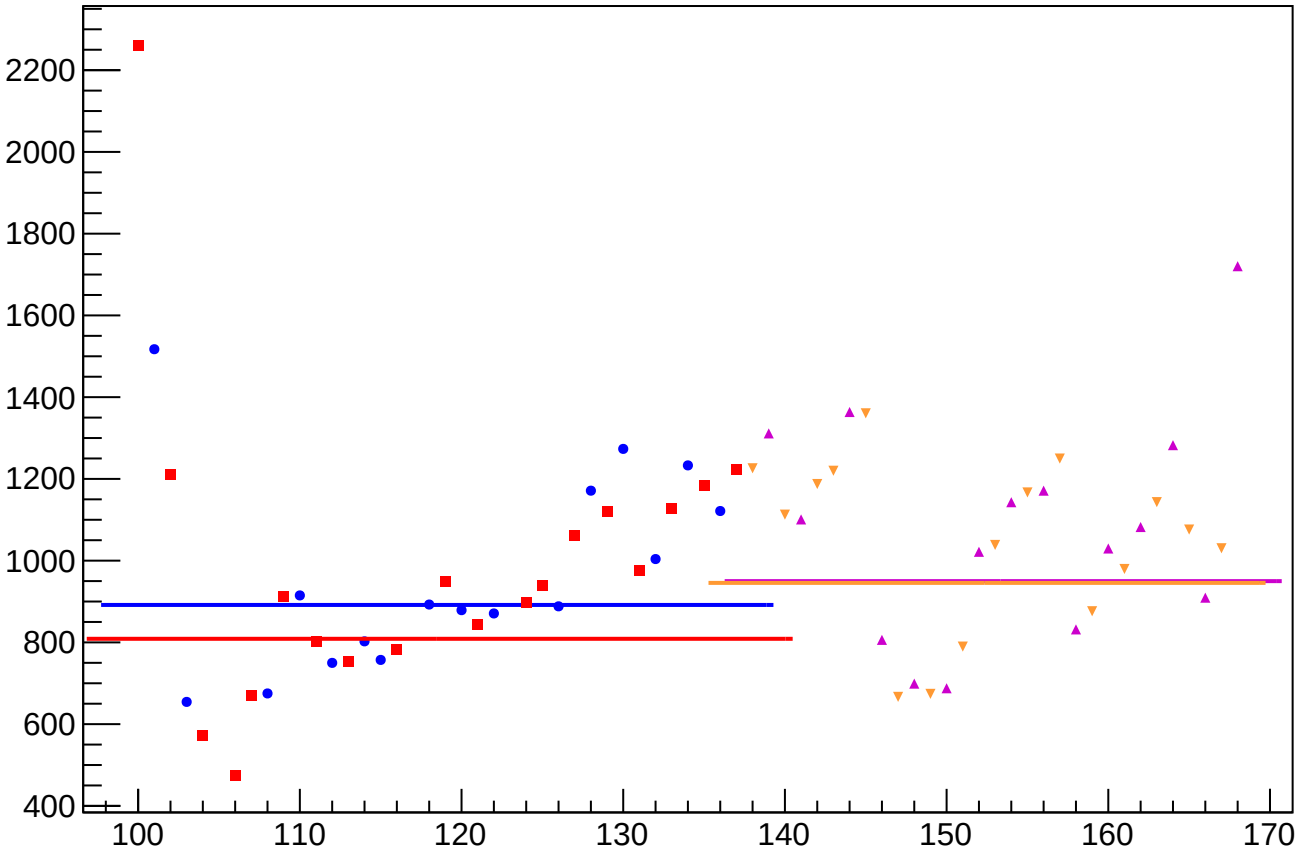
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.562+/-0.262 χ^2/NDF:675154.2/30

Out: 1621.095+/-0.257 χ^2/NDF:141874.7/34

All: 1623.778+/-0.183 χ^2/NDF: 817251.2/65


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
170
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -179.074+/-275.400 χ²/NDF:19.7/15
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 272.154+/-279.368 χ²/NDF:8.0/14
Left: 43.312+/-196.125 χ²/NDF: 29.1/30
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: 45.732+/-216.721 χ²/NDF:25.6/30
Out: -235.193+/-206.753 χ²/NDF:38.5/34
All: -101.340+/-149.596 χ²/NDF: 65.0/65



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 945.609+/-0.195 χ^2/NDF:1261924.1/15

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 949.884+/-0.198 χ^2/NDF:1468040.0/14

Left: 947.716+/-0.139 χ^2/NDF: 2730201.6/30

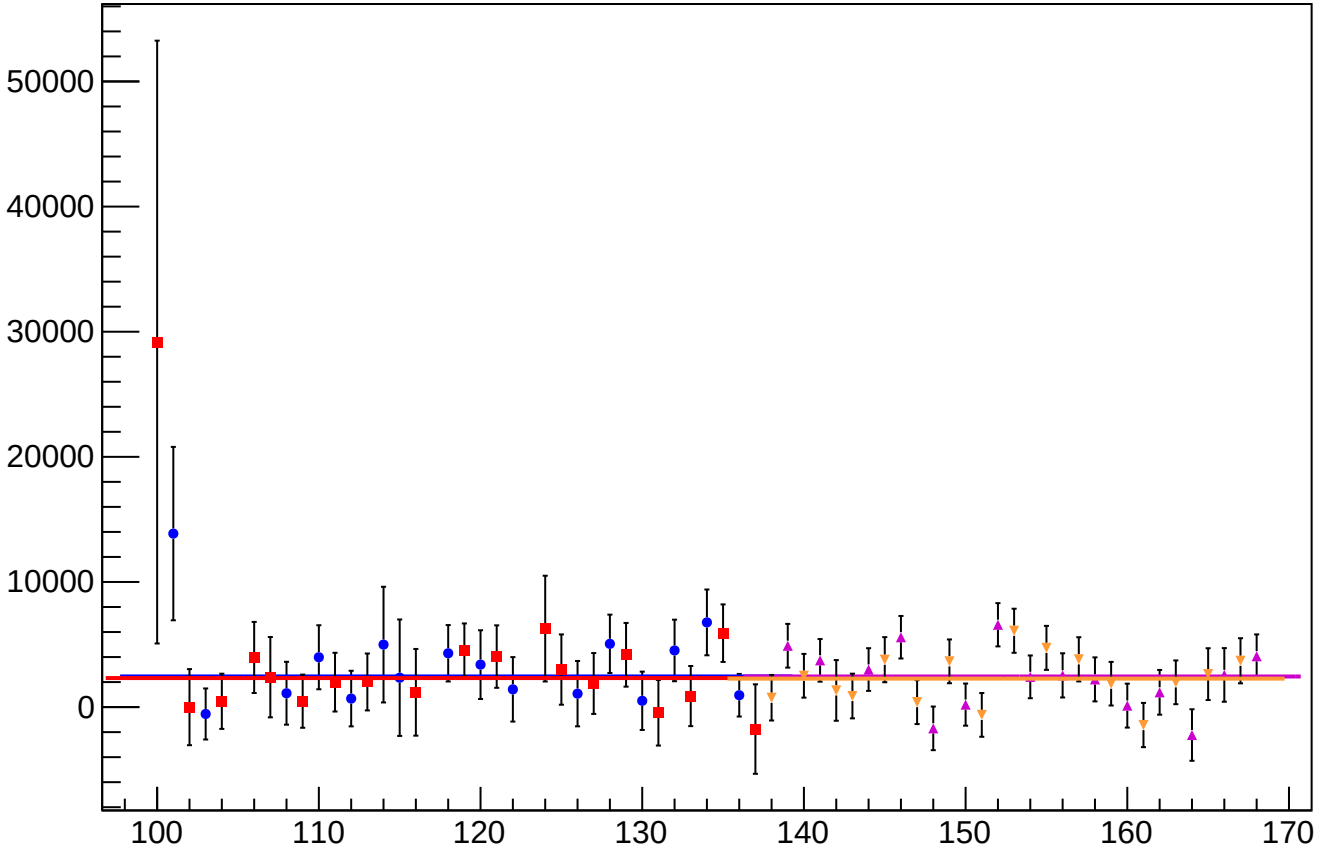
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 926.688+/-0.153 χ^2/NDF:2296562.2/30

Out: 885.910+/-0.146 χ^2/NDF:2561119.2/34

All: 905.340+/-0.106 χ^2/NDF: 4894750.6/65

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2446.564+/-457.187 χ^2/NDF:27.5/14

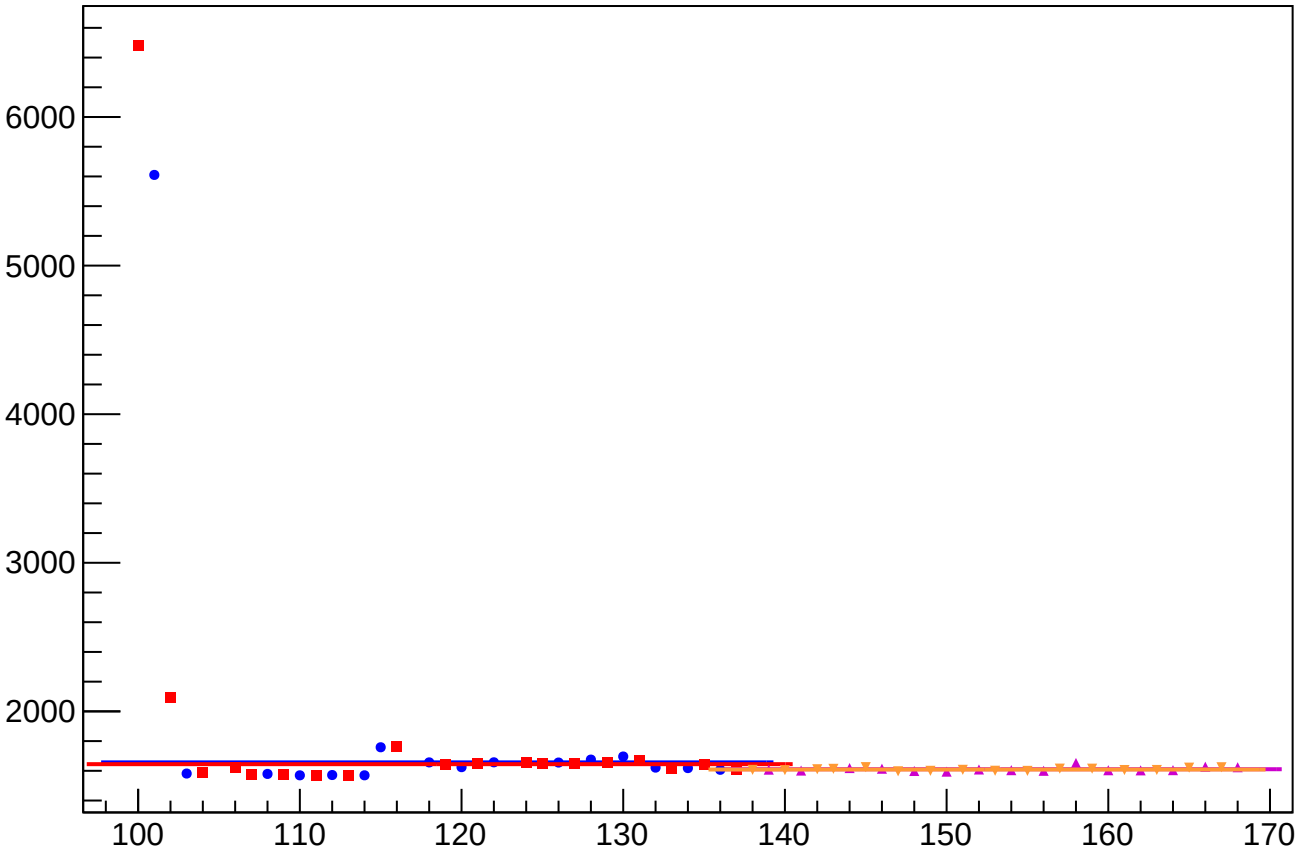
Left: 2360.869+/-321.614 χ^2/NDF: 46.9/30

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2447.541+/-370.069 χ^2/NDF:41.3/30

Out: 2292.426+/-363.358 χ^2/NDF:31.3/34

All: 2368.564+/-259.273 χ^2/NDF: 72.8/65



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

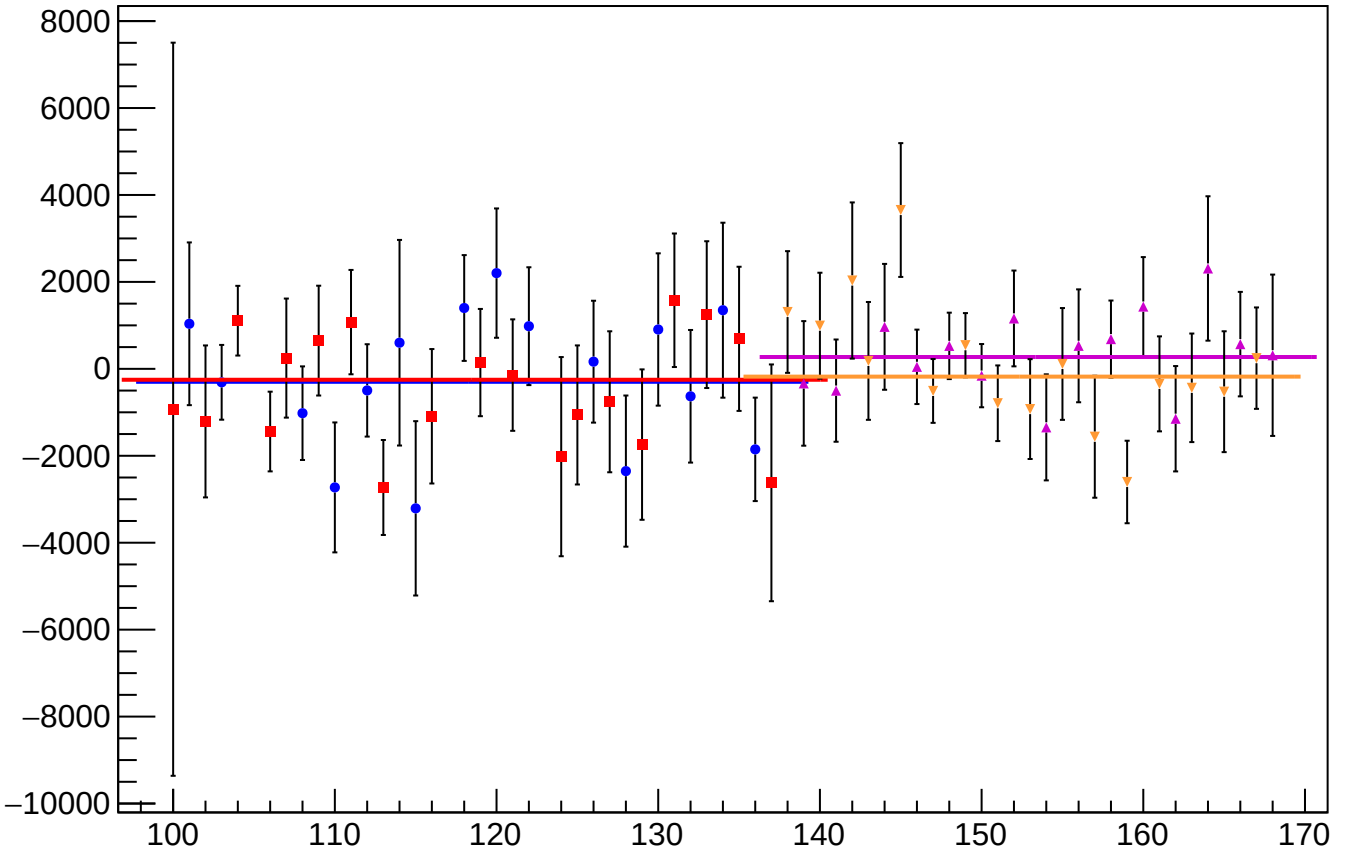
Left: 1609.730+/-0.227 χ^2/NDF: 2678.0/30

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.562+/-0.262 χ^2/NDF:675153.8/30

Out: 1621.545+/-0.257 χ^2/NDF:141674.7/34

All: 1624.007+/-0.183 χ^2/NDF: 817015.6/65



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 272.190+/-279.369 χ^2/NDF:8.0/14

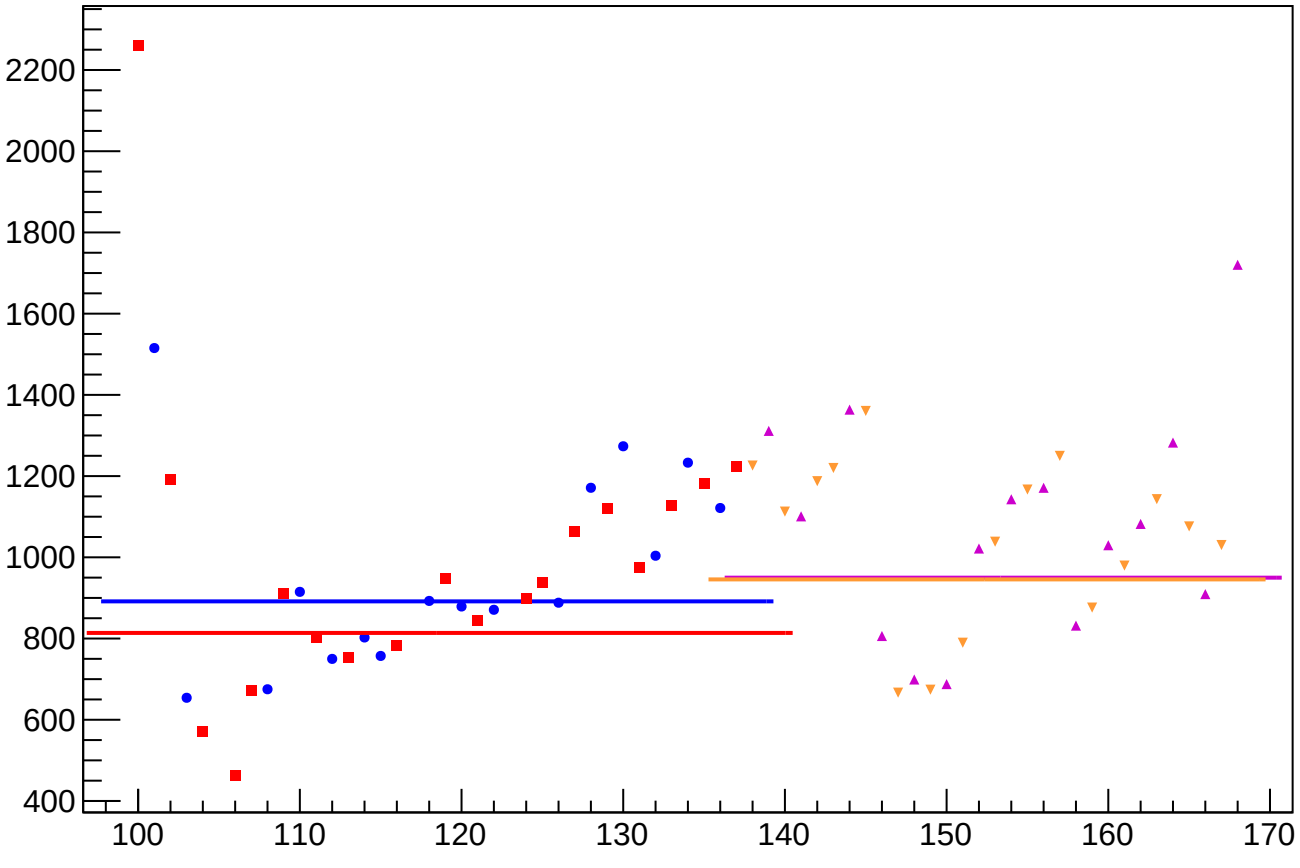
Left: 43.306+/-196.124 χ^2/NDF: 29.1/30

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 45.181+/-216.710 χ^2/NDF:25.6/30

Out: -210.273+/-207.545 χ^2/NDF:37.0/34

All: -88.062+/-149.892 χ^2/NDF: 63.4/65



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 945.598+/-0.195 χ^2/NDF:1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.889+/-0.198 χ^2/NDF:1467988.4/14

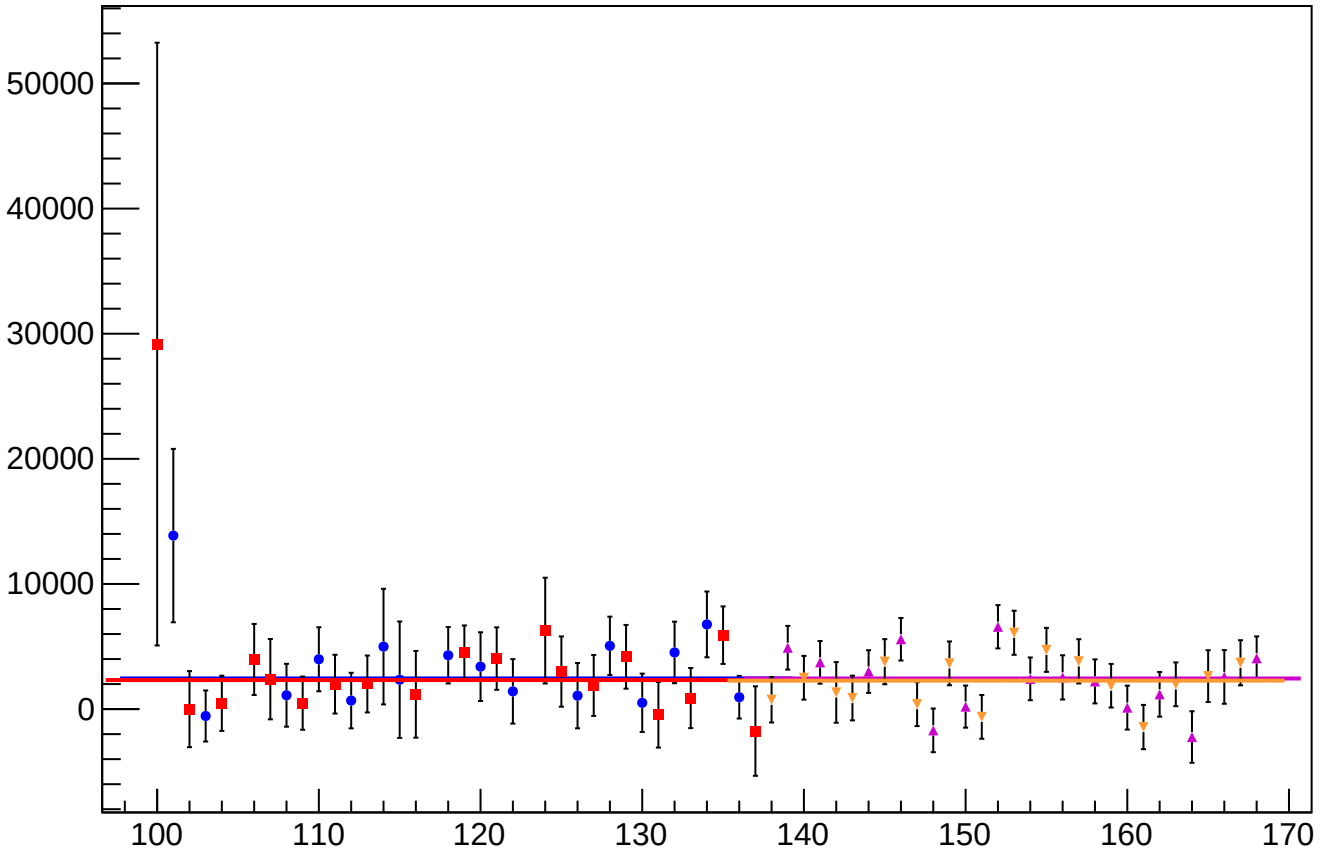
Left: 947.712+/-0.139 χ^2/NDF: 2730233.9/30

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.647+/-0.153 χ^2/NDF:2296400.7/30

Out: 888.657+/-0.147 χ^2/NDF:2512886.4/34

All: 906.832+/-0.106 χ^2/NDF: 4841346.0/65



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2276.918+/-452.512 χ^2/NDF:19.3/15

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2446.564+/-457.187 χ^2/NDF:27.5/14

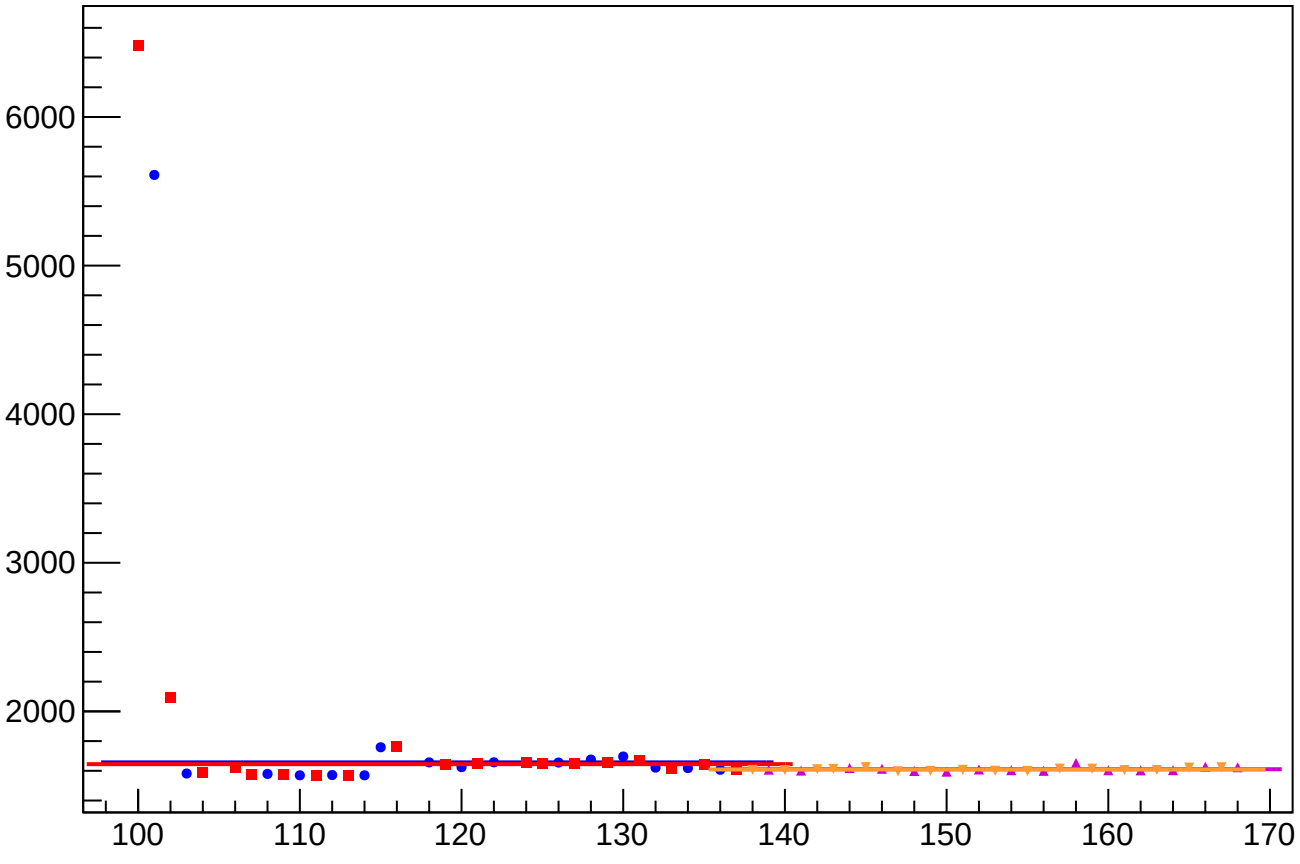
Left: 2360.869+/-321.614 χ^2/NDF: 46.9/30

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2447.541+/-370.069 χ^2/NDF:41.3/30

Out: 2292.426+/-363.358 χ^2/NDF:31.3/34

All: 2368.564+/-259.273 χ^2/NDF: 72.8/65



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.770+/-0.320 χ^2/NDF:704.4/15

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.711+/-0.323 χ^2/NDF:1955.4/14

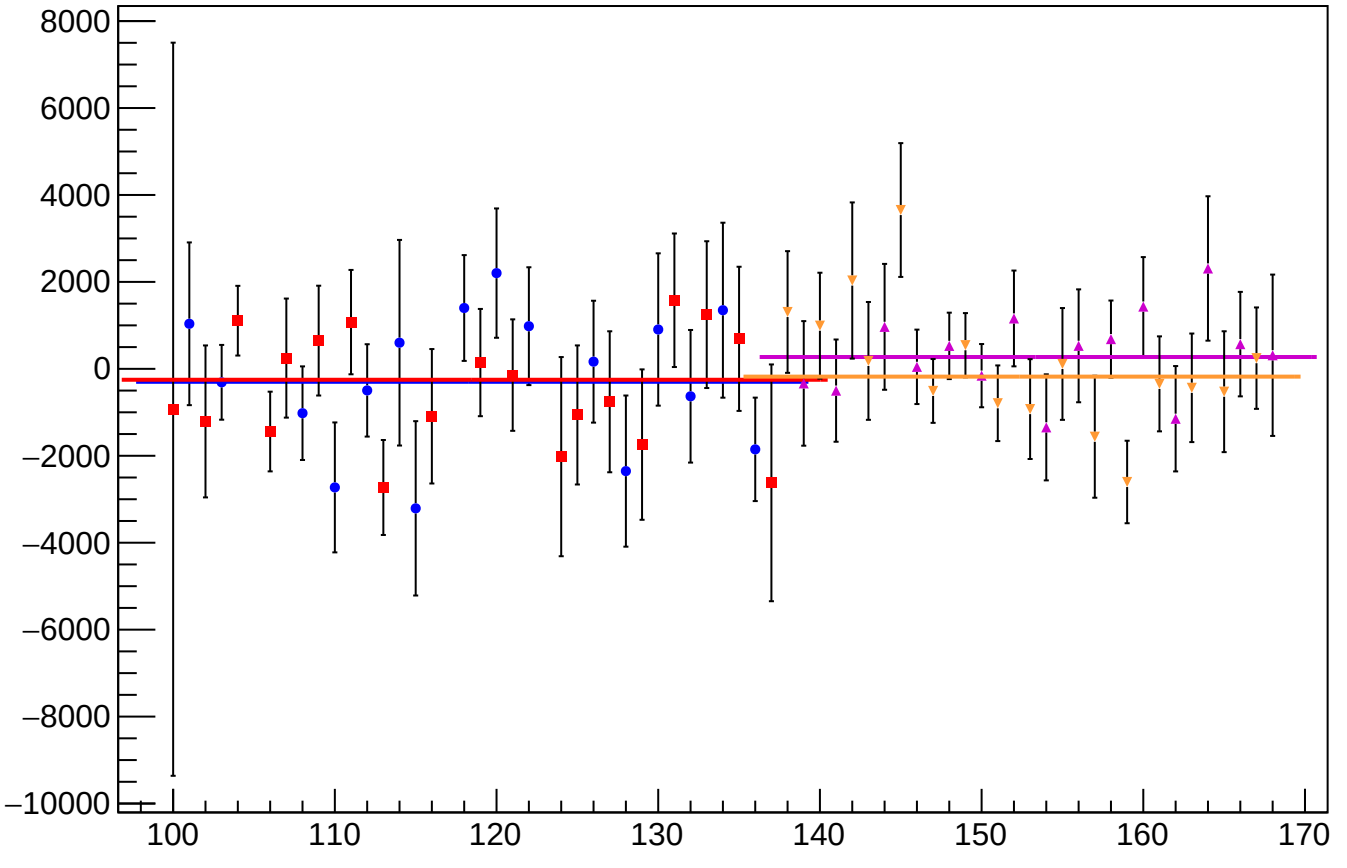
Left: 1609.730+/-0.227 χ^2/NDF: 2678.0/30

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.562+/-0.262 χ^2/NDF:675153.8/30

Out: 1621.545+/-0.257 χ^2/NDF:141674.7/34

All: 1624.007+/-0.183 χ^2/NDF: 817015.6/65



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -179.116+/-275.397 χ^2/NDF:19.7/15

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 272.190+/-279.369 χ^2/NDF:8.0/14

Left: 43.306+/-196.124 χ^2/NDF: 29.1/30

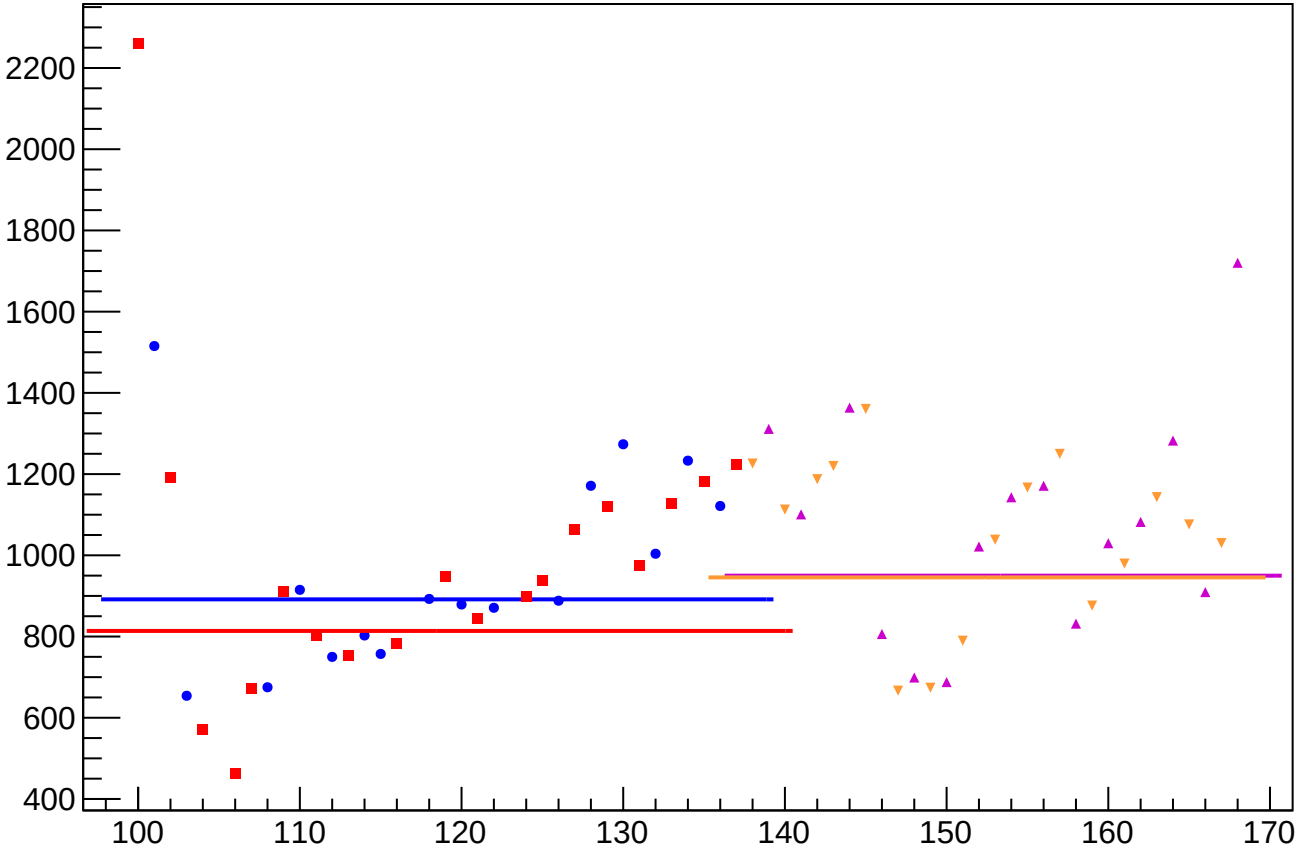
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 45.181+/-216.710 χ^2/NDF:25.6/30

Out: -210.273+/-207.545 χ^2/NDF:37.0/34

All: -88.062+/-149.892 χ^2/NDF: 63.4/65

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: 945.598+/-0.195 χ^2/NDF:1262006.2/15

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.889+/-0.198 χ^2/NDF:1467988.4/14

Left: 947.712+/-0.139 χ^2/NDF: 2730233.9/30

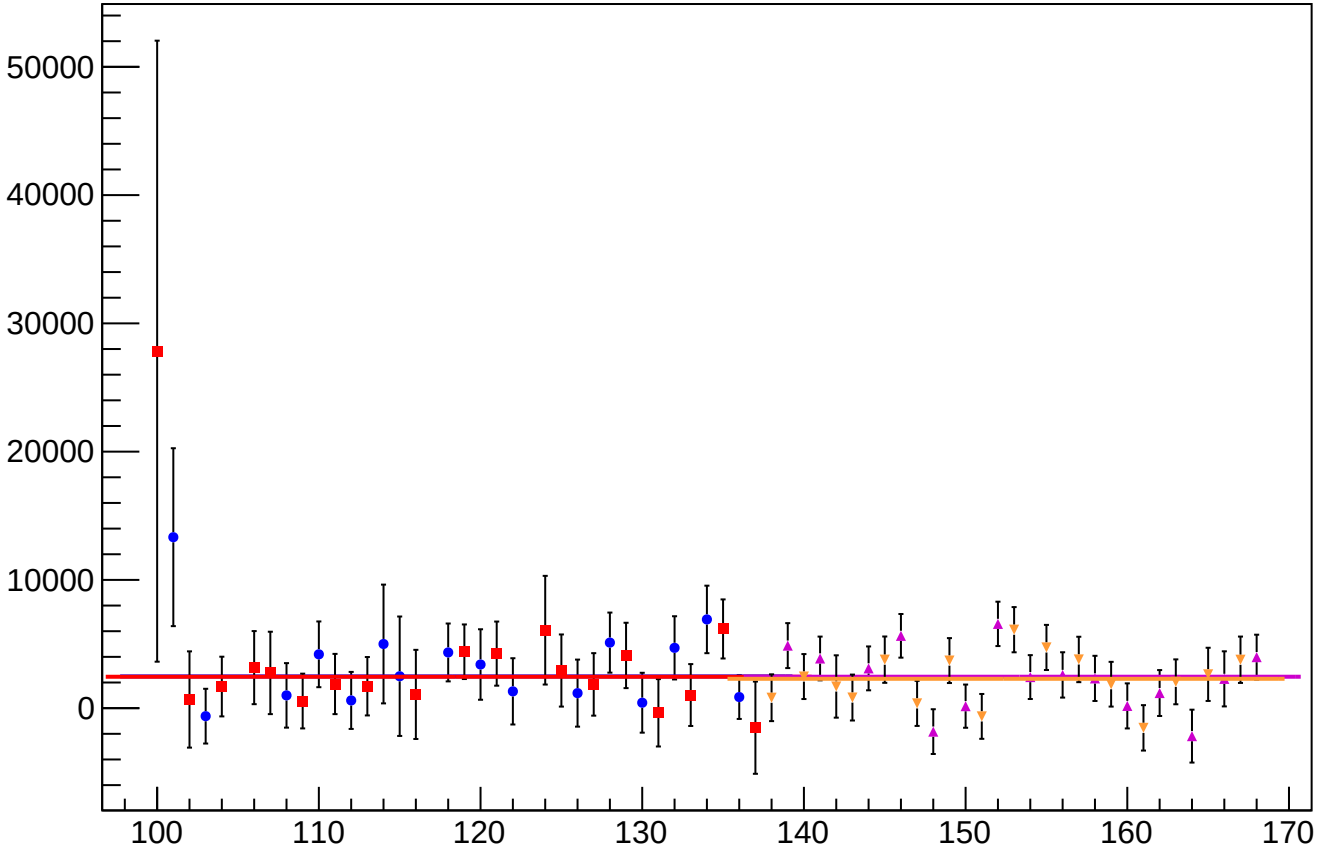
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.647+/-0.153 χ^2/NDF:2296400.7/30

Out: 888.657+/-0.147 χ^2/NDF:2512886.4/34

All: 906.832+/-0.106 χ^2/NDF: 4841346.0/65

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.412+/-453.219 χ^2/NDF:19.6/15

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2451.149+/-457.795 χ^2/NDF:27.8/14

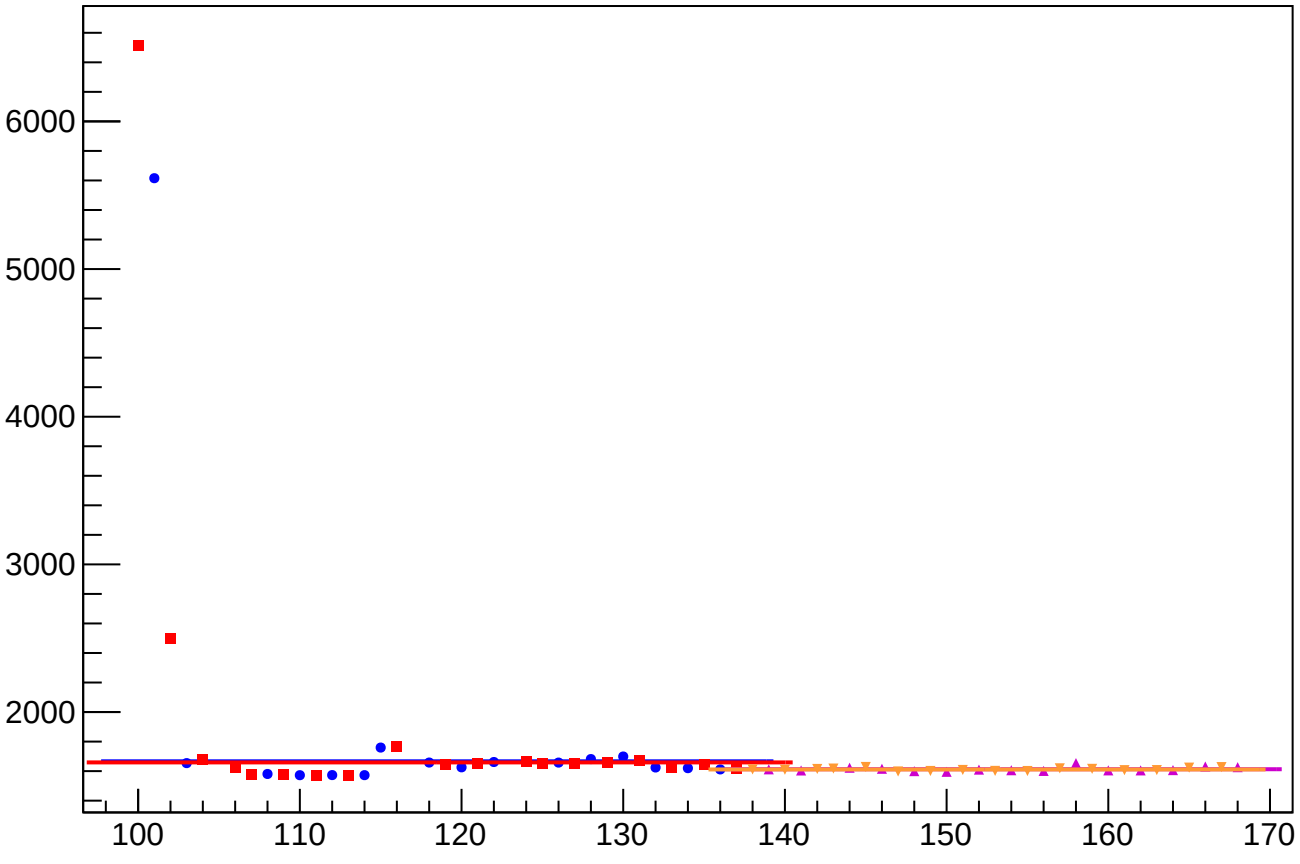
Left: 2369.468+/-322.080 χ^2/NDF: 47.4/30

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2459.404+/-371.124 χ^2/NDF:42.0/30

Out: 2345.298+/-365.376 χ^2/NDF:30.2/34

All: 2401.461+/-260.368 χ^2/NDF: 72.2/65



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1612.837+/-0.324 χ^2/NDF:2037.1/14

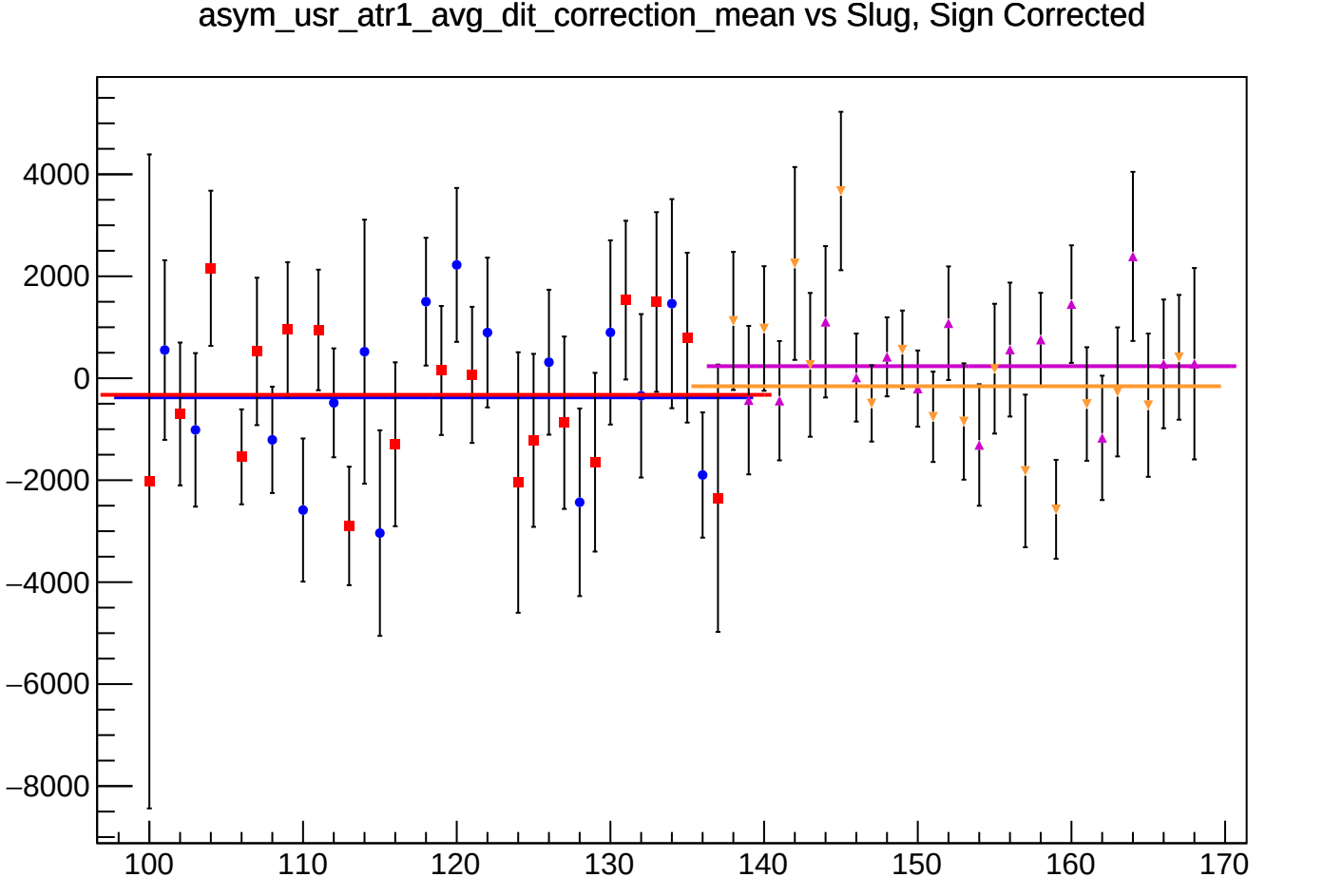
Left: 1612.047+/-0.228 χ^2/NDF: 2881.9/30

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1631.199+/-0.262 χ^2/NDF:674337.1/30

Out: 1627.982+/-0.258 χ^2/NDF:201822.7/34

All: 1629.565+/-0.184 χ^2/NDF: 876236.1/65



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -156.976+/-280.920 χ^2/NDF:19.3/15

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 236.302+/-283.649 χ^2/NDF:8.1/14

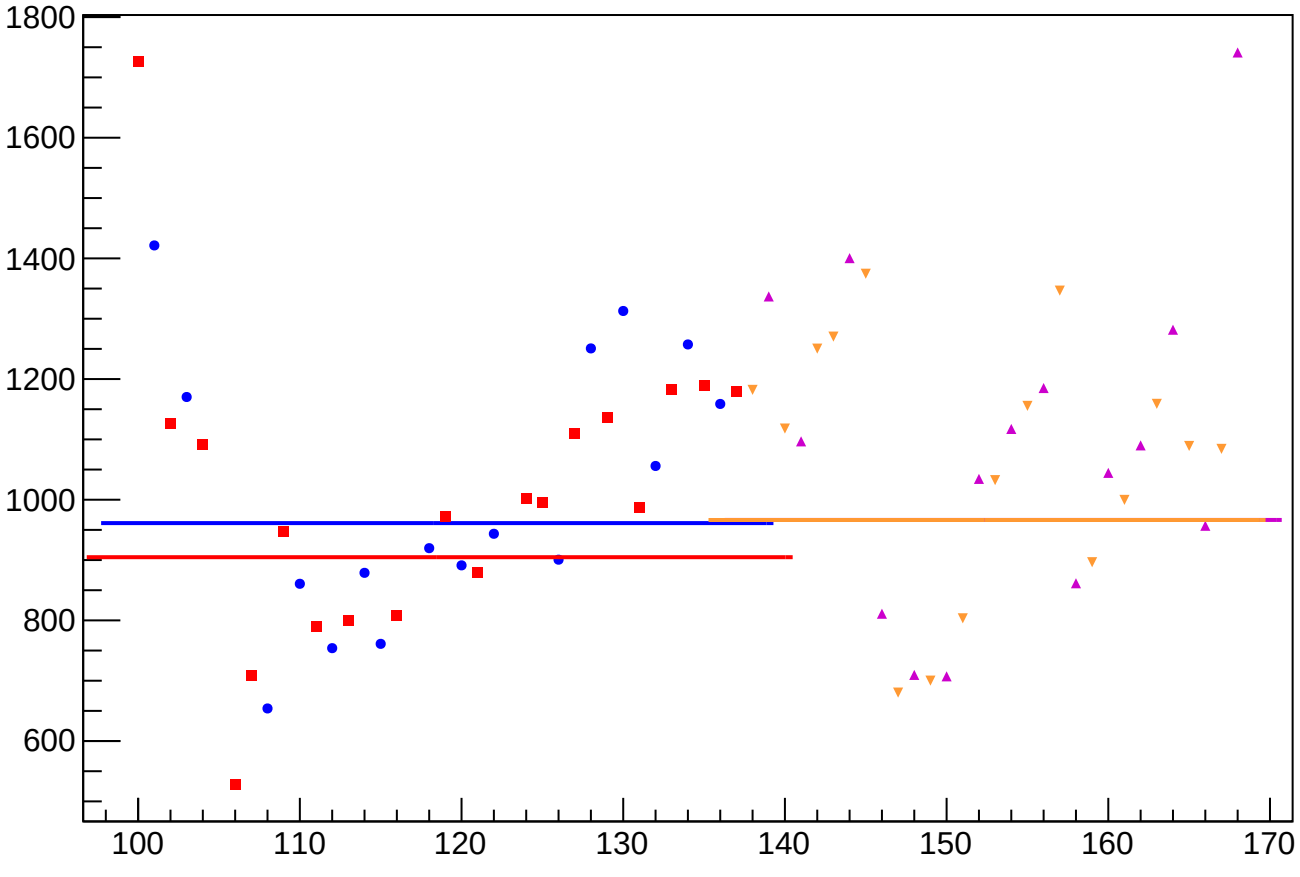
Left: 37.762+/-199.598 χ^2/NDF: 28.4/30

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: 8.584+/-224.646 χ^2/NDF:25.6/30

Out: -225.268+/-216.723 χ^2/NDF:36.9/34

All: -112.538+/-155.972 χ^2/NDF: 63.0/65



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 966.401+/-0.199 χ^2/NDF:1230876.7/15

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 966.484+/-0.201 χ^2/NDF:1414090.8/14

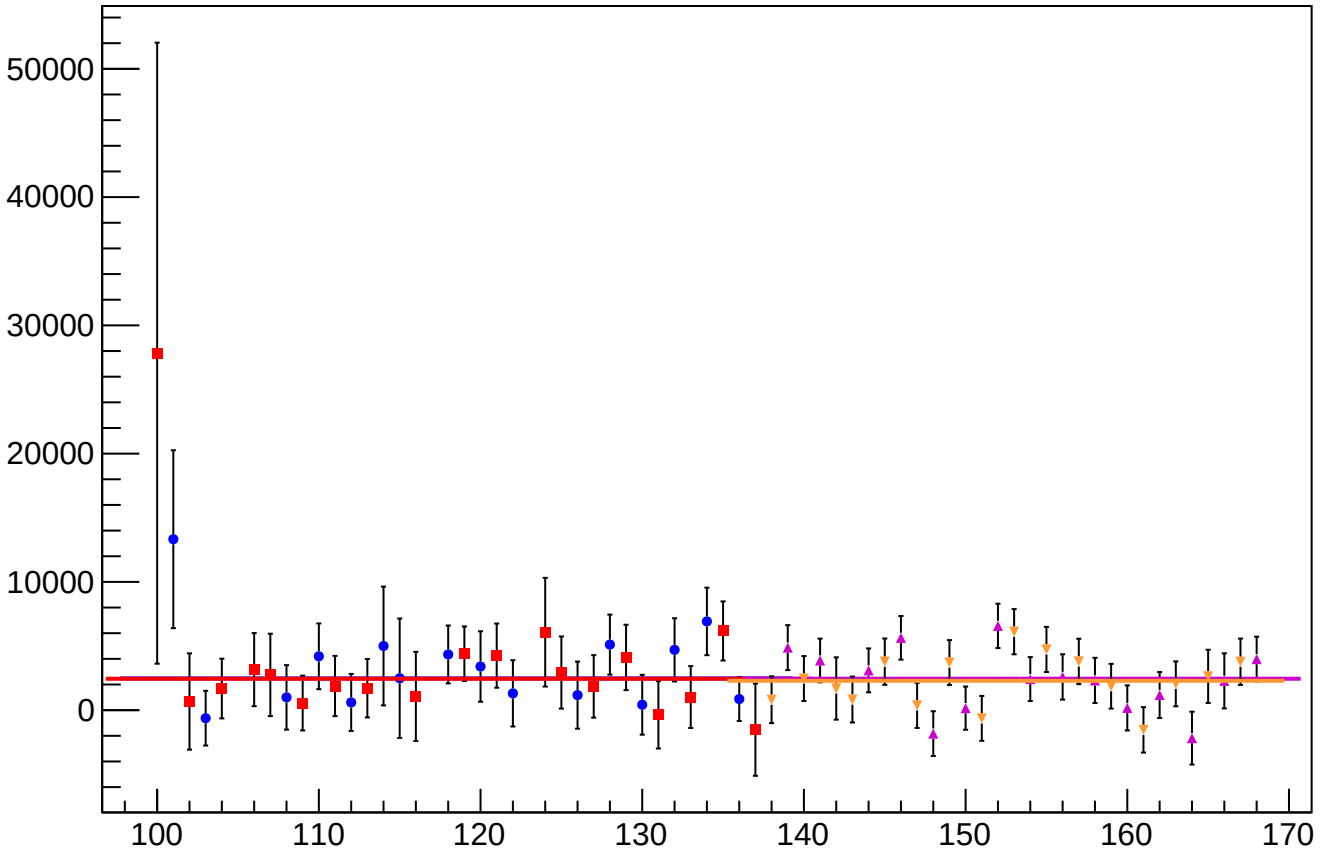
Left: 966.443+/-0.141 χ^2/NDF: 2644967.6/30

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 964.530+/-0.159 χ^2/NDF:2106220.8/30

Out: 941.438+/-0.153 χ^2/NDF:2006374.8/34

All: 952.570+/-0.110 χ^2/NDF: 4123541.8/65



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2289.411+/-453.219 χ^2/NDF:19.6/15

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2451.150+/-457.795 χ^2/NDF:27.8/14

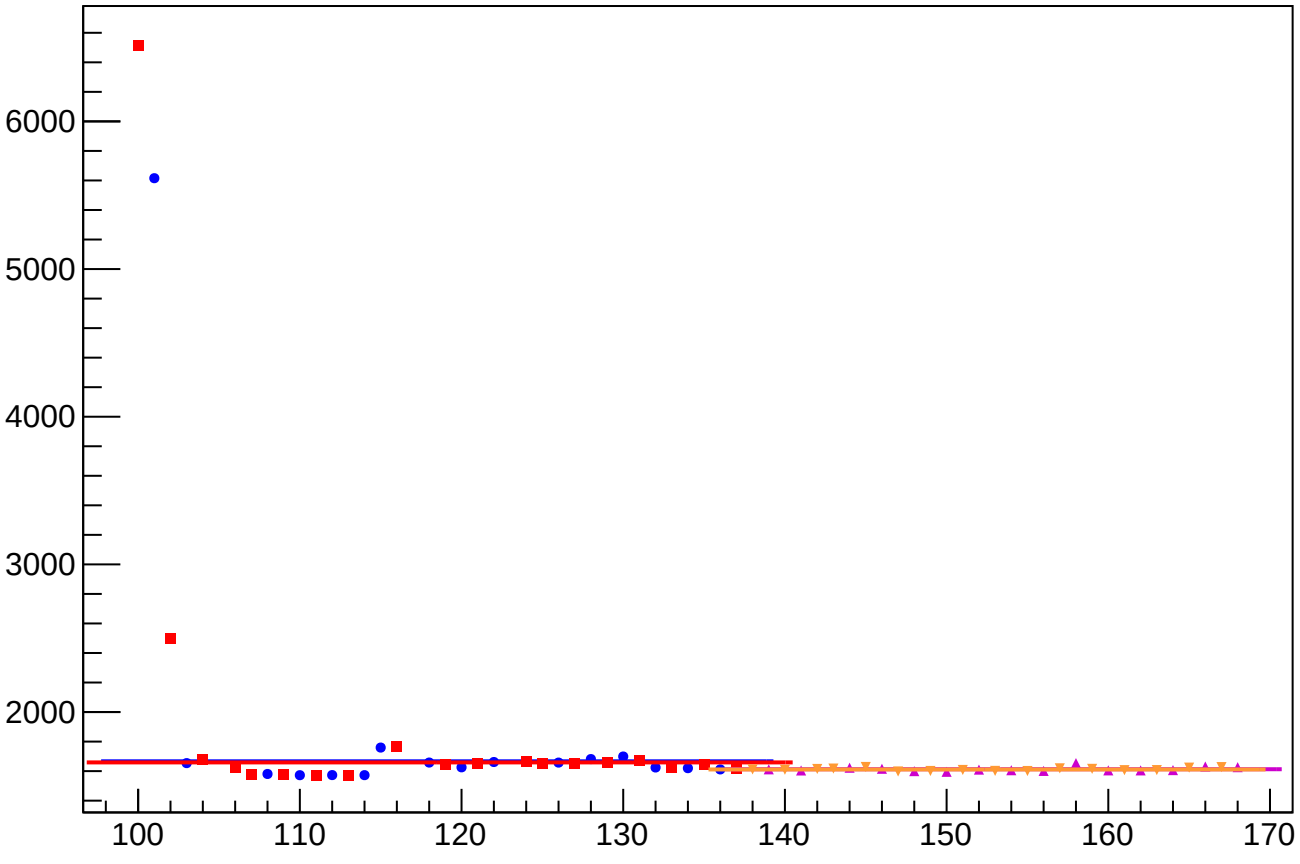
Left: 2369.468+/-322.080 χ^2/NDF: 47.4/30

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2459.404+/-371.124 χ^2/NDF:42.0/30

Out: 2345.298+/-365.376 χ^2/NDF:30.2/34

All: 2401.460+/-260.368 χ^2/NDF: 72.2/65



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.272+/-0.320 χ^2/NDF:833.0/15

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.837+/-0.324 χ^2/NDF:2037.1/14

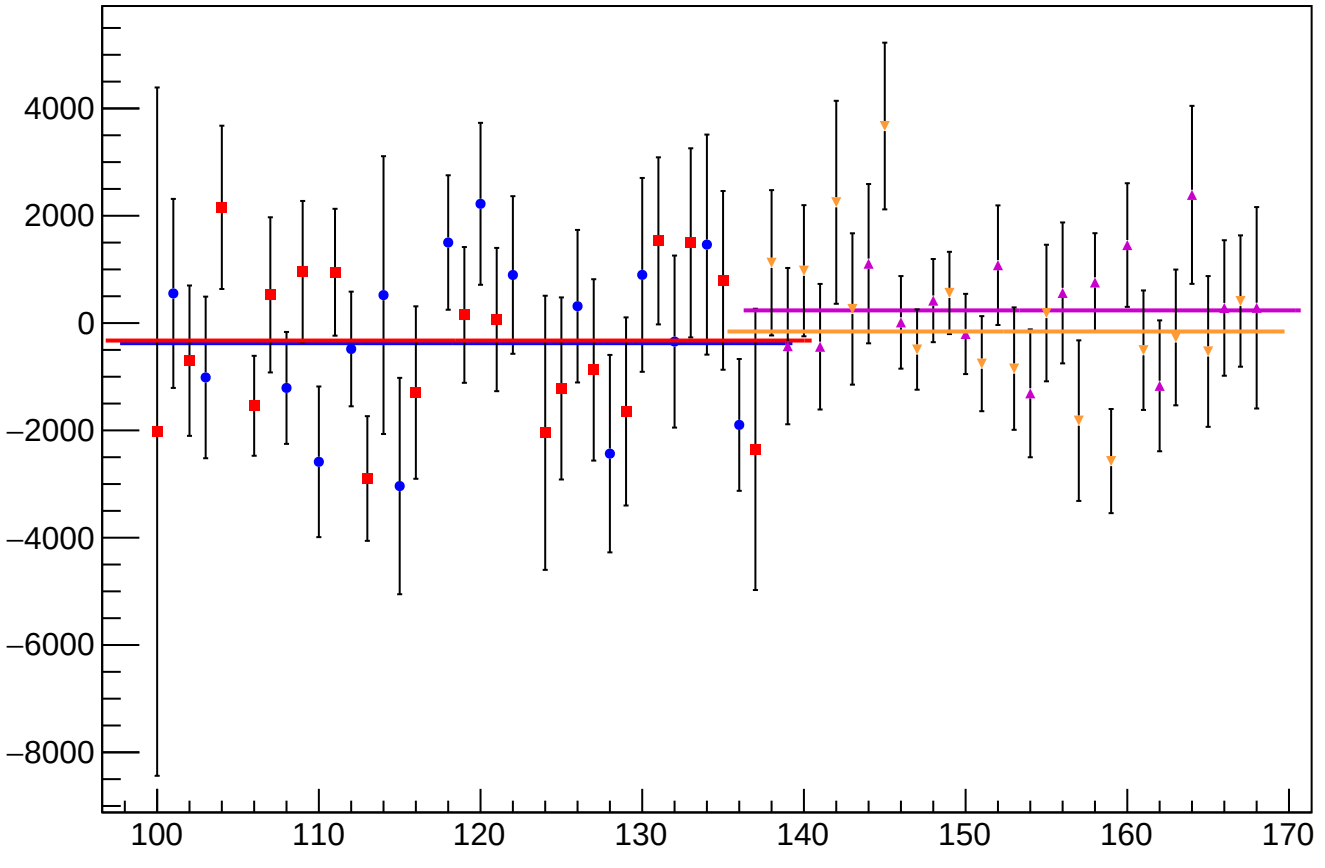
Left: 1612.047+/-0.228 χ^2/NDF: 2881.9/30

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1631.199+/-0.262 χ^2/NDF:674337.1/30

Out: 1627.982+/-0.258 χ^2/NDF:201822.5/34

All: 1629.565+/-0.184 χ^2/NDF: 876235.8/65



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -156.978+/-280.920 χ^2/NDF:19.3/15

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 236.303+/-283.650 χ^2/NDF:8.1/14

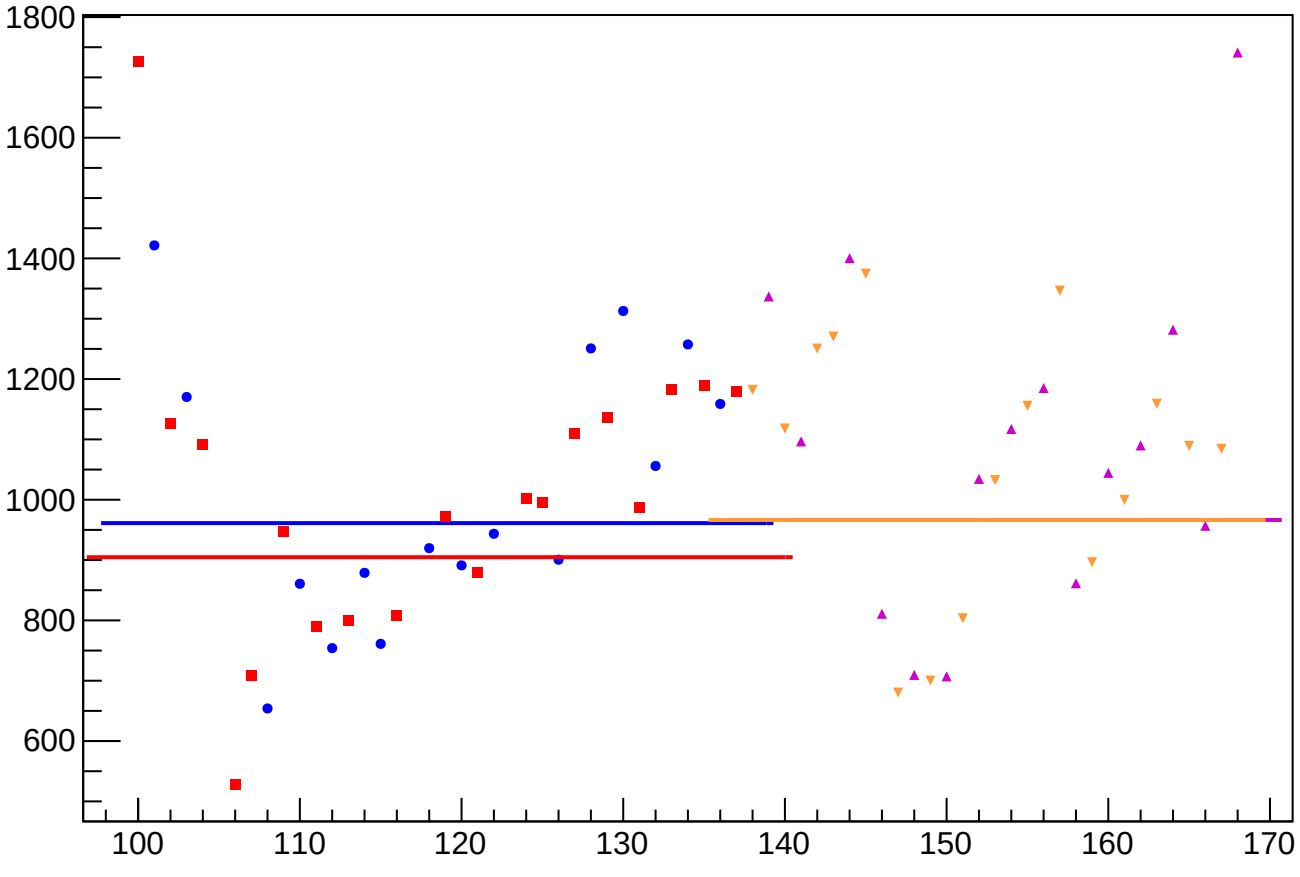
Left: 37.761+/-199.599 χ^2/NDF: 28.4/30

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: 8.583+/-224.646 χ^2/NDF:25.6/30

Out: -225.269+/-216.723 χ^2/NDF:36.9/34

All: -112.539+/-155.972 χ^2/NDF: 63.0/65



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 966.403+/-0.199 χ^2/NDF:1230879.8/15

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 966.486+/-0.201 χ^2/NDF:1414094.2/14

Left: 966.444+/-0.141 χ^2/NDF: 2644974.1/30

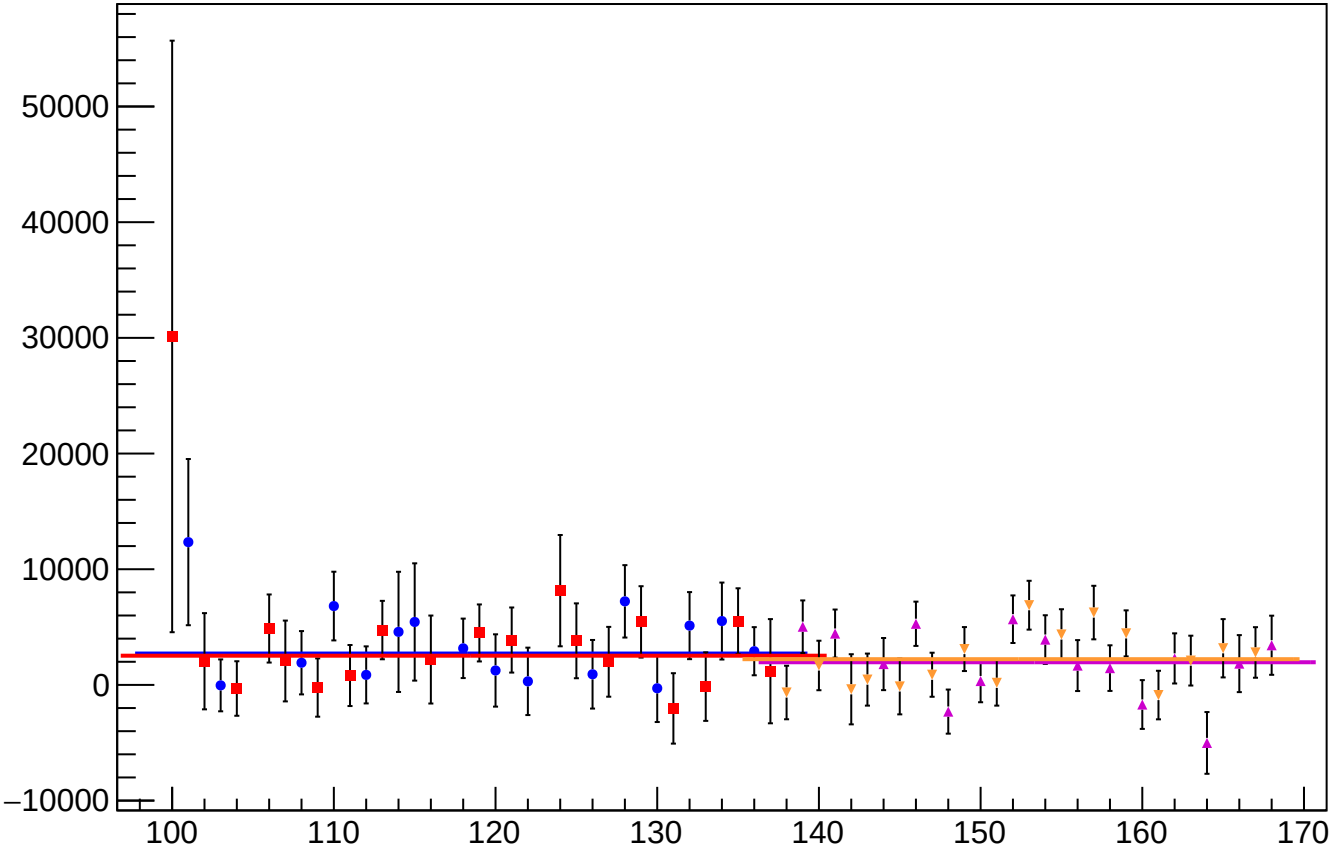
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 964.530+/-0.159 χ^2/NDF:2106232.8/30

Out: 941.438+/-0.153 χ^2/NDF:2006381.0/34

All: 952.570+/-0.110 χ^2/NDF: 4123559.8/65

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2224.266+/-544.166 χ^2/NDF:18.2/15

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1959.006+/-551.380 χ^2/NDF:26.5/14

Left: 2093.383+/-387.309 χ^2/NDF: 44.8/30

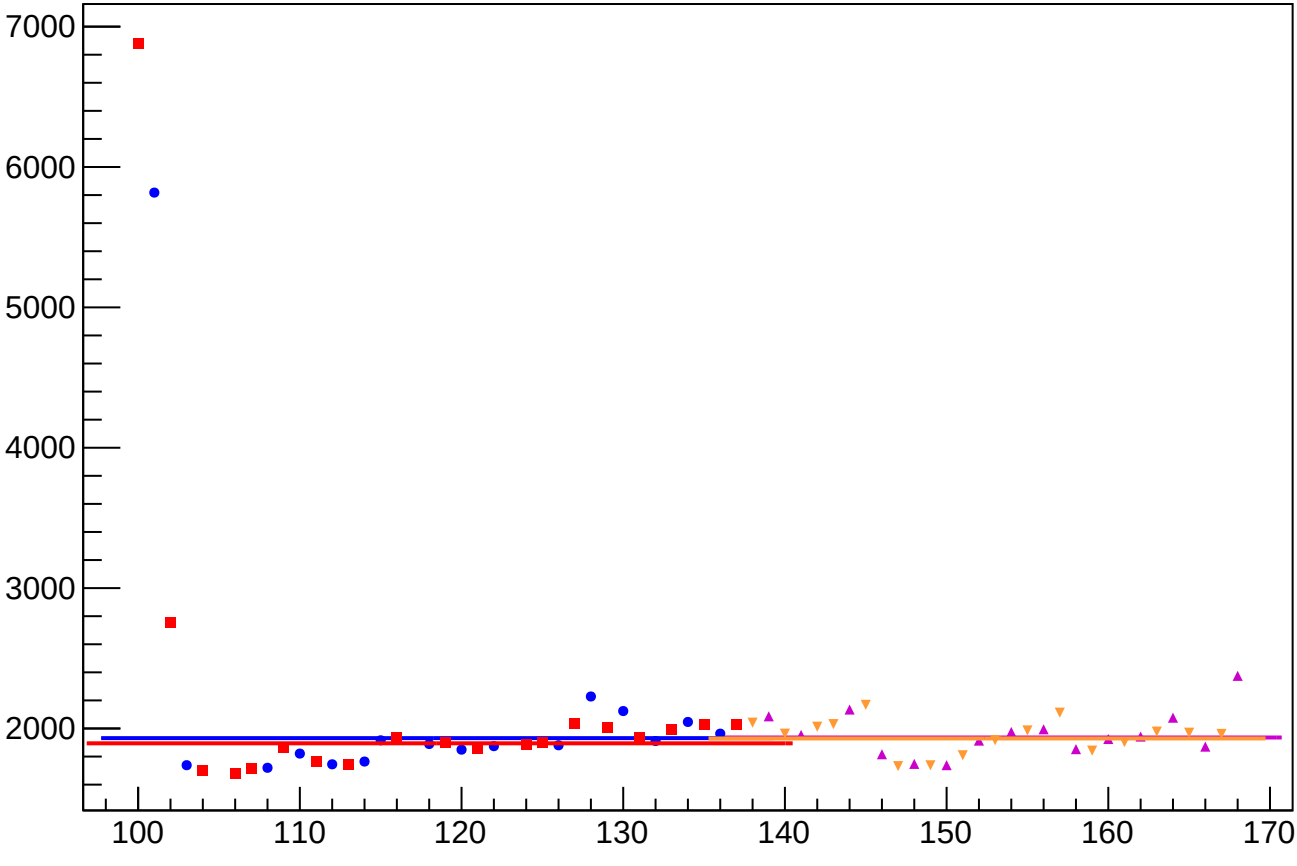
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2229.906+/-441.086 χ^2/NDF:39.3/30

Out: 2336.455+/-431.100 χ^2/NDF:31.6/34

All: 2284.400+/-308.303 χ^2/NDF: 70.9/65

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1928.958+/-0.385 χ^2/NDF:99828.8/15

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1935.761+/-0.390 χ^2/NDF:146908.5/14

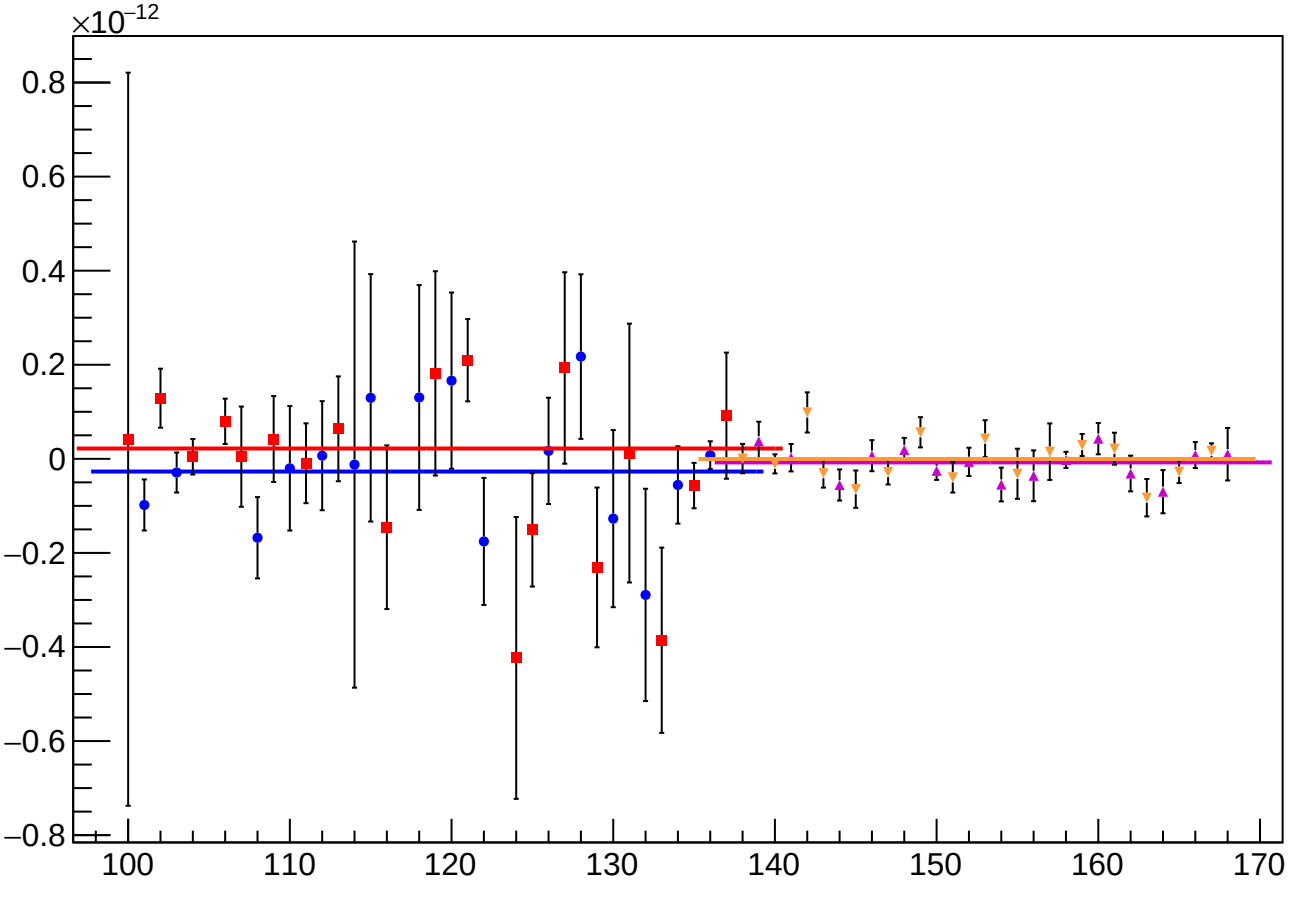
Left: 1932.315+/-0.274 χ^2/NDF: 246891.5/30

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1934.137+/-0.312 χ^2/NDF:808183.7/30

Out: 1916.070+/-0.305 χ^2/NDF:323382.5/34

All: 1924.896+/-0.218 χ^2/NDF: 1133282.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/14

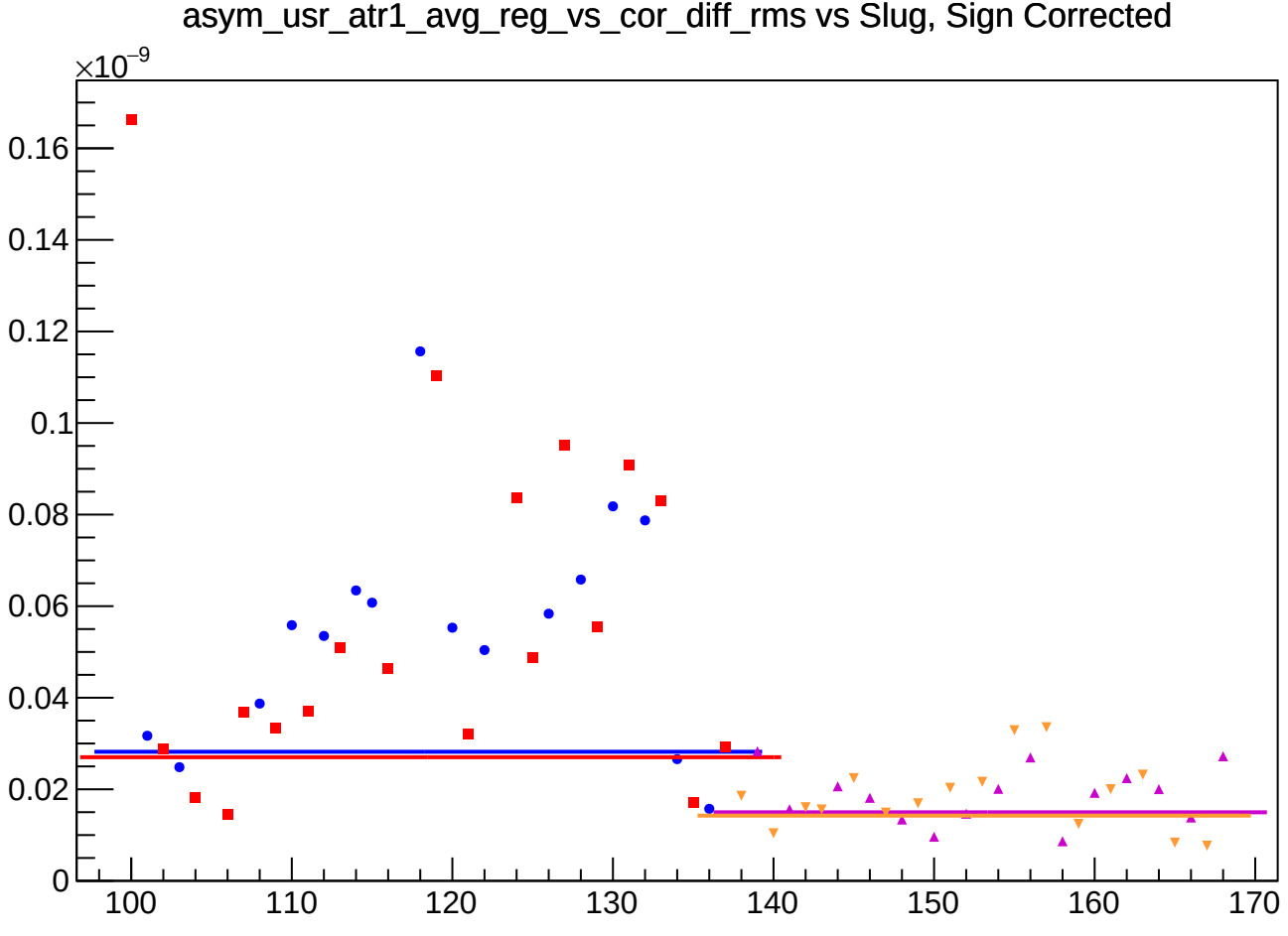
Left: -0.000+/-0.000 χ^2/NDF: 38.3/30

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:26.2/30

Out: 0.000+/-0.000 χ^2/NDF:51.9/34

All: -0.000+/-0.000 χ^2/NDF: 79.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1444922.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1090963.1/14

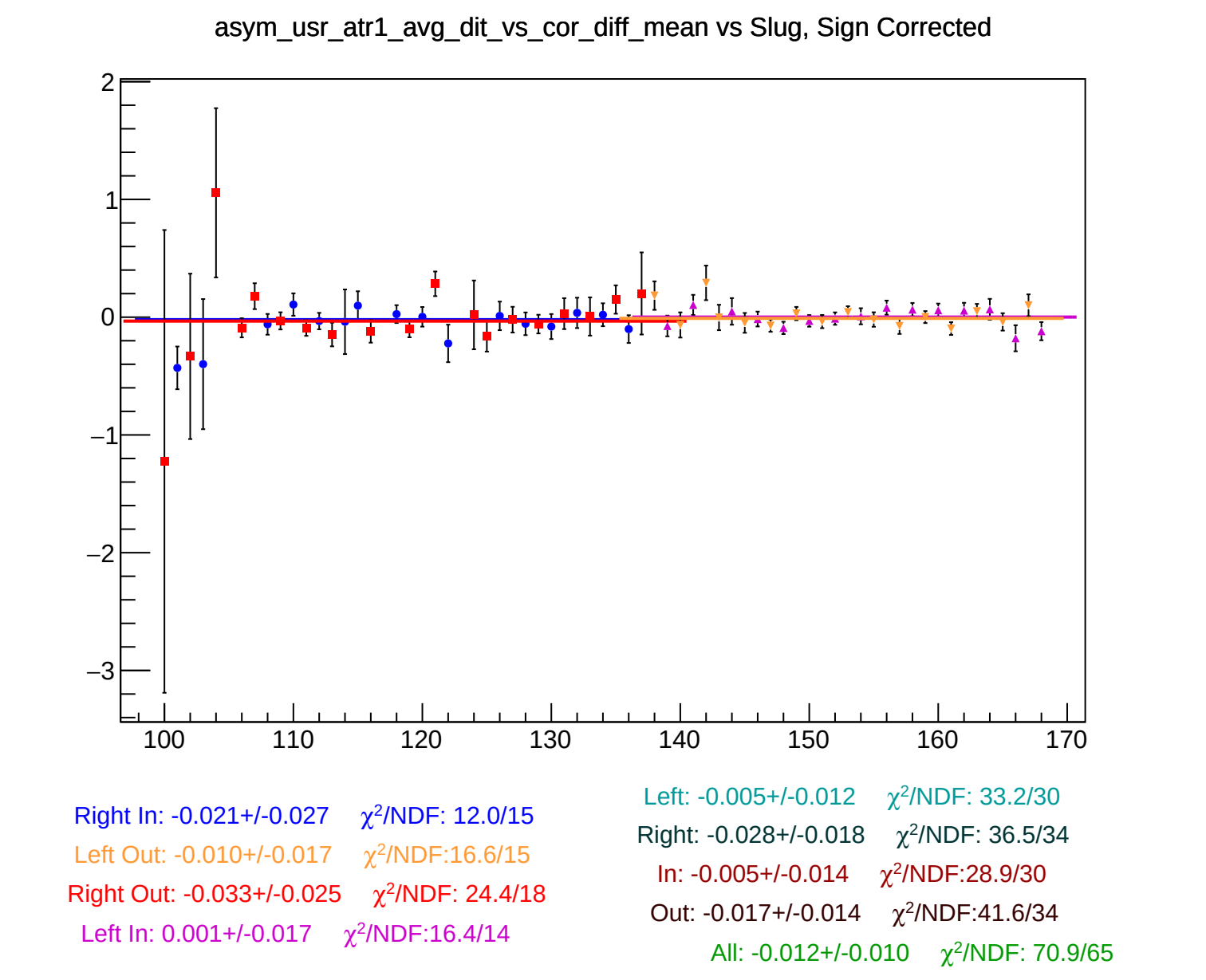
Left: 0.000+/-0.000 χ^2/NDF: 2545351.4/30

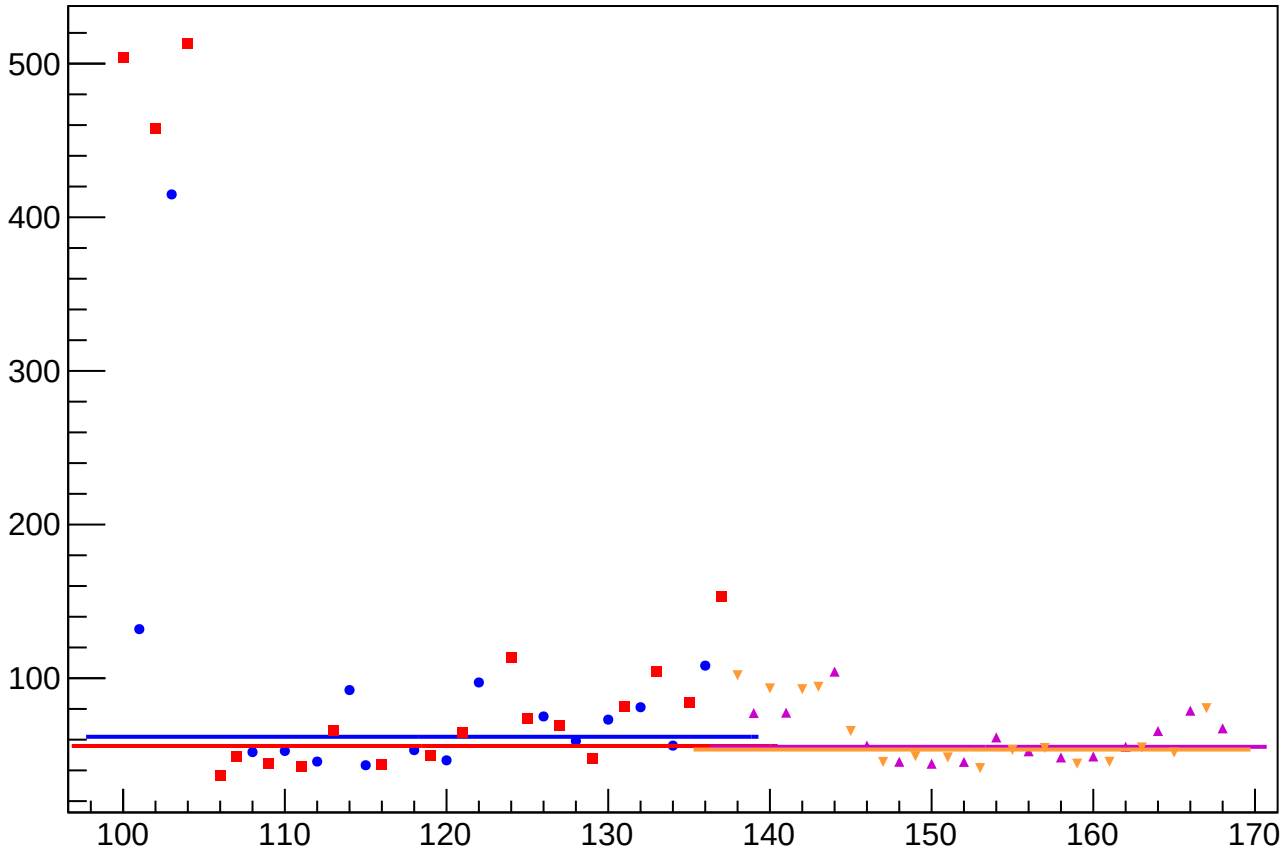
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3403280.6/30

Out: 0.000+/-0.000 χ^2/NDF:3763576.9/34

All: 0.000+/-0.000 χ^2/NDF: 7187285.1/65


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.010+/-0.017 χ²/NDF:16.6/15
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.001+/-0.017 χ²/NDF:16.4/14
Left: -0.005+/-0.012 χ²/NDF: 33.2/30
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.005+/-0.014 χ²/NDF:28.9/30
Out: -0.017+/-0.014 χ²/NDF:41.6/34
All: -0.012+/-0.010 χ²/NDF: 70.9/65



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537125.9/15

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.333+/-0.012 χ^2/NDF:1115391.1/14

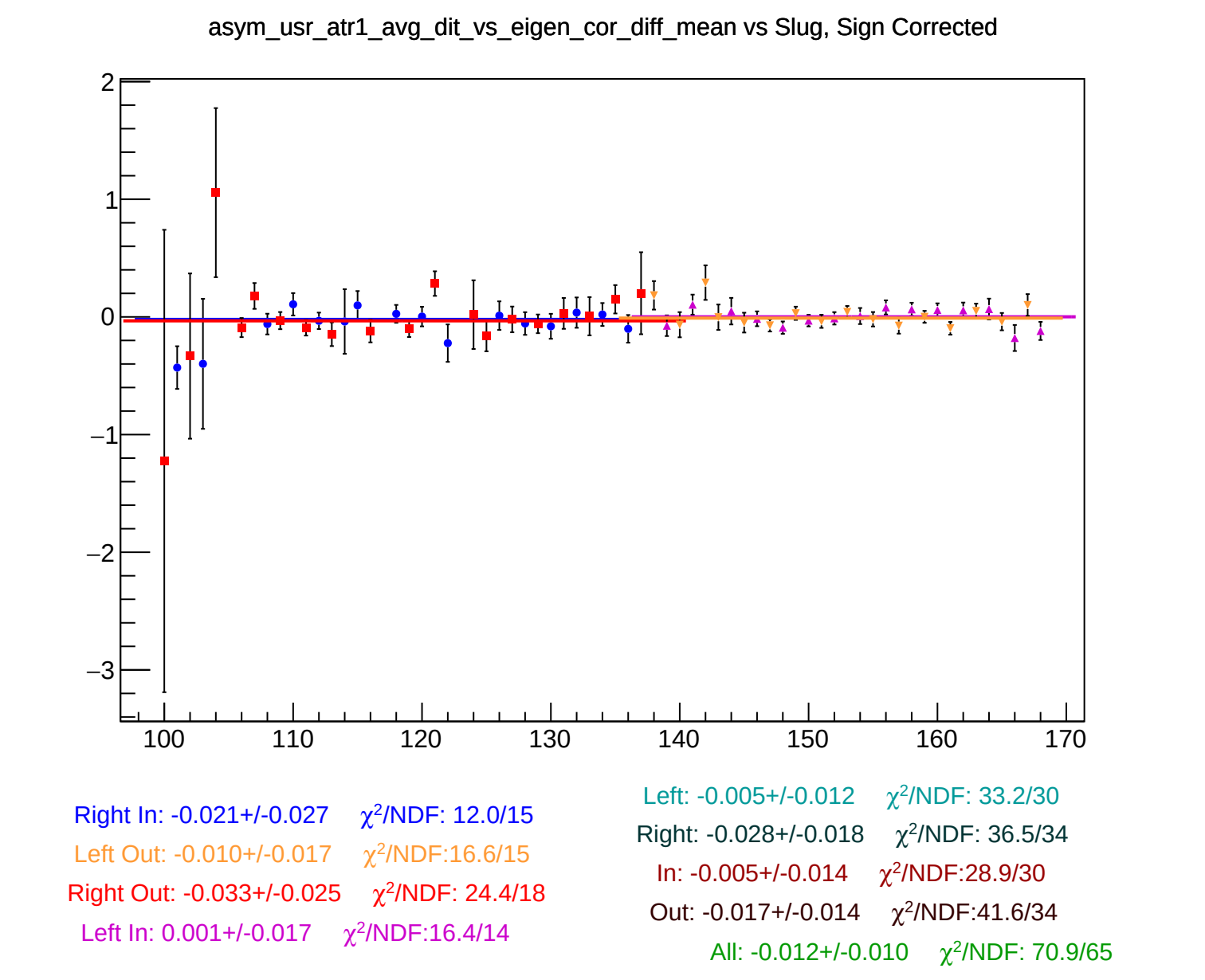
Left: 54.439+/-0.008 χ^2/NDF: 2663363.2/30

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

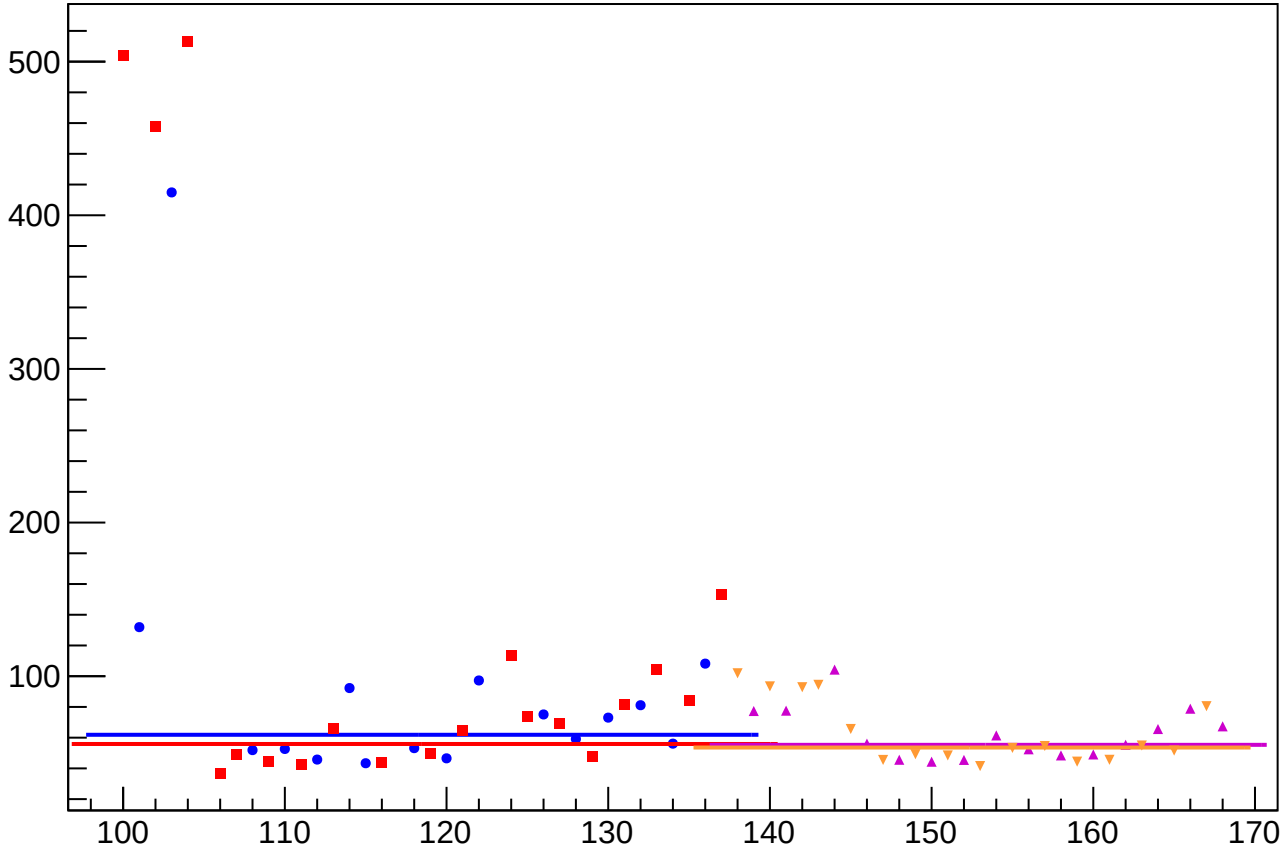
In: 57.236+/-0.010 χ^2/NDF:3139446.9/30

Out: 54.306+/-0.010 χ^2/NDF:4140476.2/34

All: 55.717+/-0.007 χ^2/NDF: 7323305.8/65


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.010+/-0.017 χ²/NDF:16.6/15
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.001+/-0.017 χ²/NDF:16.4/14
Left: -0.005+/-0.012 χ²/NDF: 33.2/30
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.005+/-0.014 χ²/NDF:28.9/30
Out: -0.017+/-0.014 χ²/NDF:41.6/34
All: -0.012+/-0.010 χ²/NDF: 70.9/65

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537125.9/15

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.333+/-0.012 χ^2/NDF:1115391.1/14

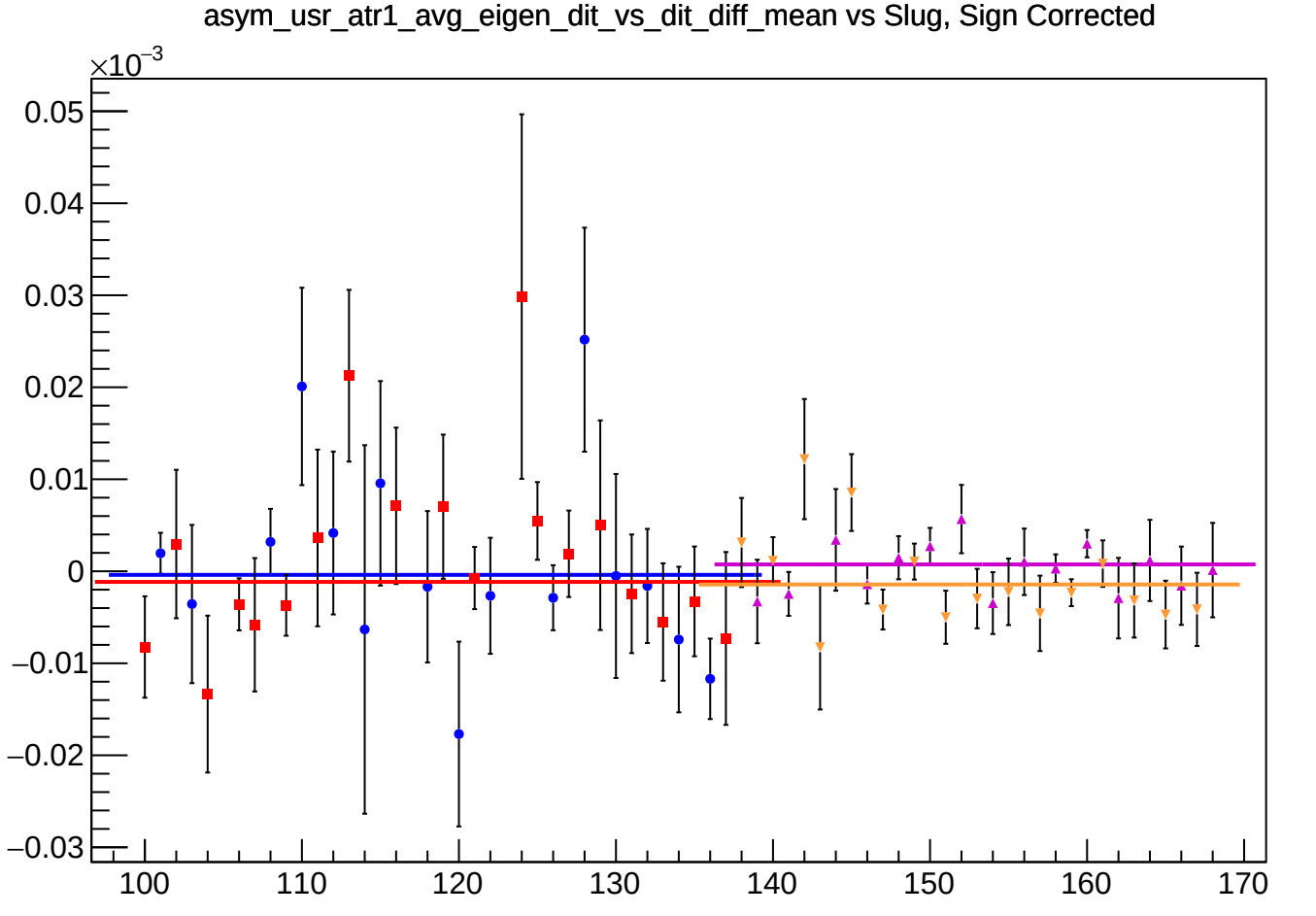
Left: 54.439+/-0.008 χ^2/NDF: 2663363.2/30

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

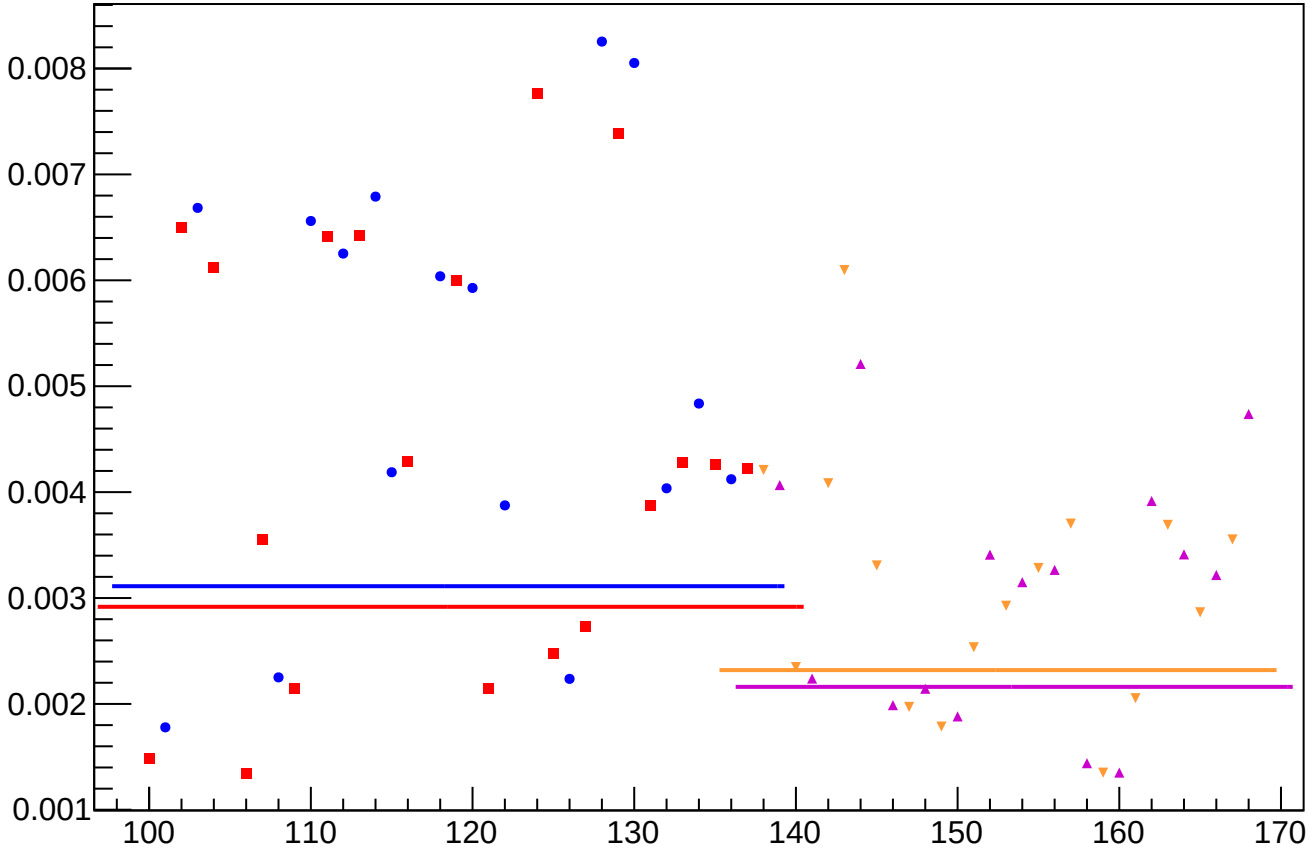
In: 57.236+/-0.010 χ^2/NDF:3139446.9/30

Out: 54.306+/-0.010 χ^2/NDF:4140476.2/34

All: 55.717+/-0.007 χ^2/NDF: 7323305.8/65


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:21.2/15
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: 0.000+/-0.000 χ²/NDF:11.7/14
Left: -0.000+/-0.000 χ²/NDF: 37.8/30
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: 0.000+/-0.000 χ²/NDF:34.9/30
Out: -0.000+/-0.000 χ²/NDF:41.7/34
All: -0.000+/-0.000 χ²/NDF: 81.3/65

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3205036.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3740113.9/14

Left: 0.002+/-0.000 χ^2/NDF: 6997226.4/30

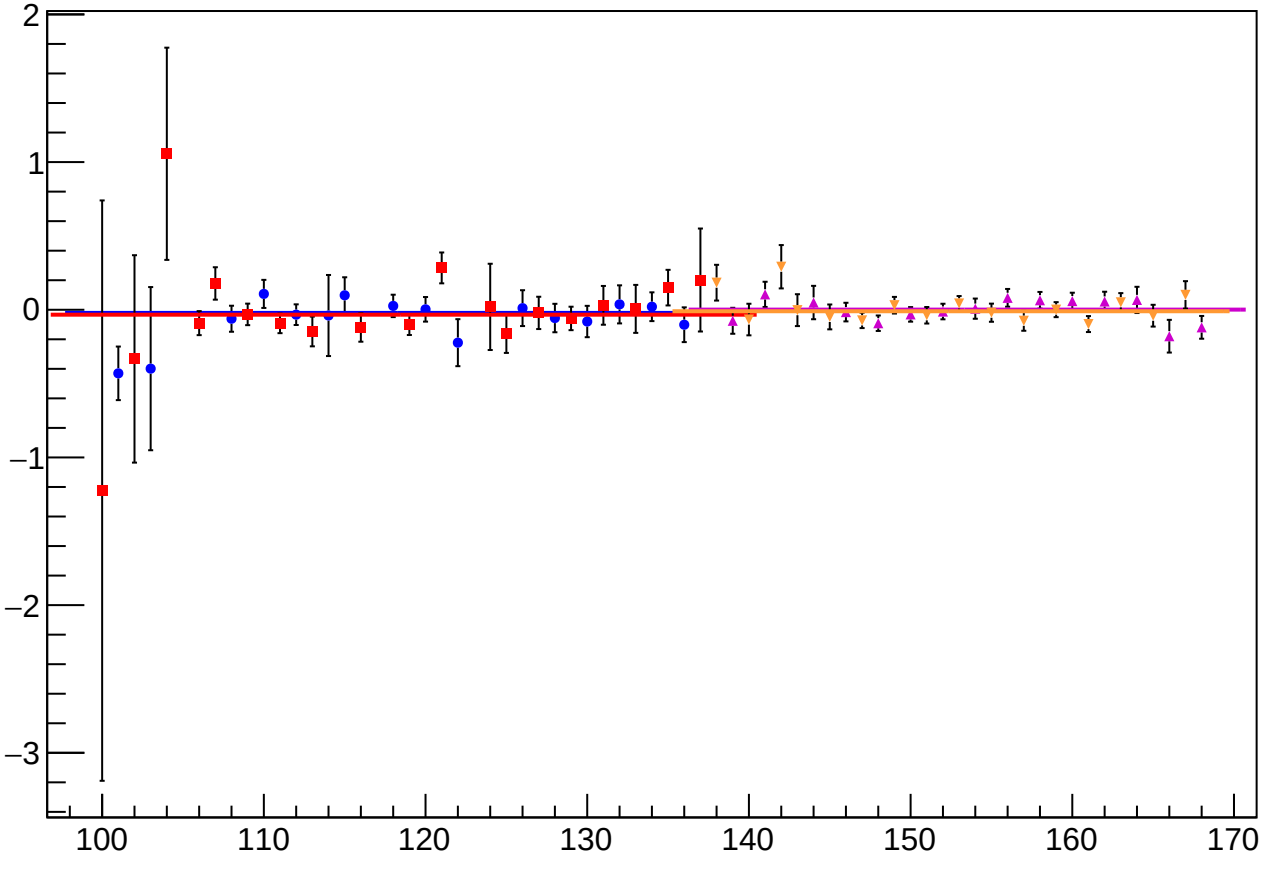
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7837056.0/30

Out: 0.002+/-0.000 χ^2/NDF:6843335.6/34

All: 0.002+/-0.000 χ^2/NDF: 14714883.4/65

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: -0.010+/-0.017 χ^2/NDF:16.6/15

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.017 χ^2/NDF:16.4/14

Left: -0.005+/-0.012 χ^2/NDF: 33.2/30

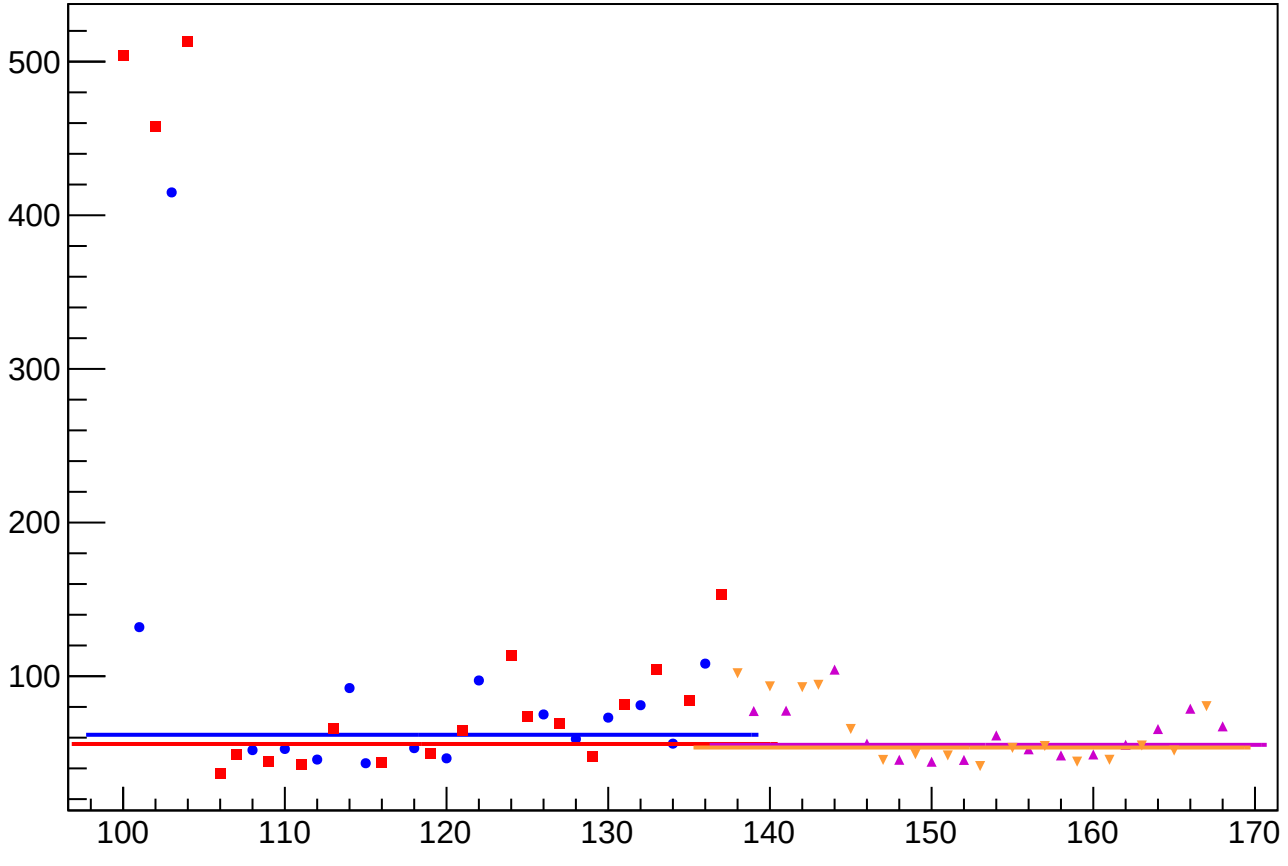
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.005+/-0.014 χ^2/NDF:28.9/30

Out: -0.017+/-0.014 χ^2/NDF:41.6/34

All: -0.012+/-0.010 χ^2/NDF: 70.9/65

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: 53.579+/-0.012 χ^2/NDF:1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.333+/-0.012 χ^2/NDF:1115384.3/14

Left: 54.439+/-0.008 χ^2/NDF: 2663403.4/30

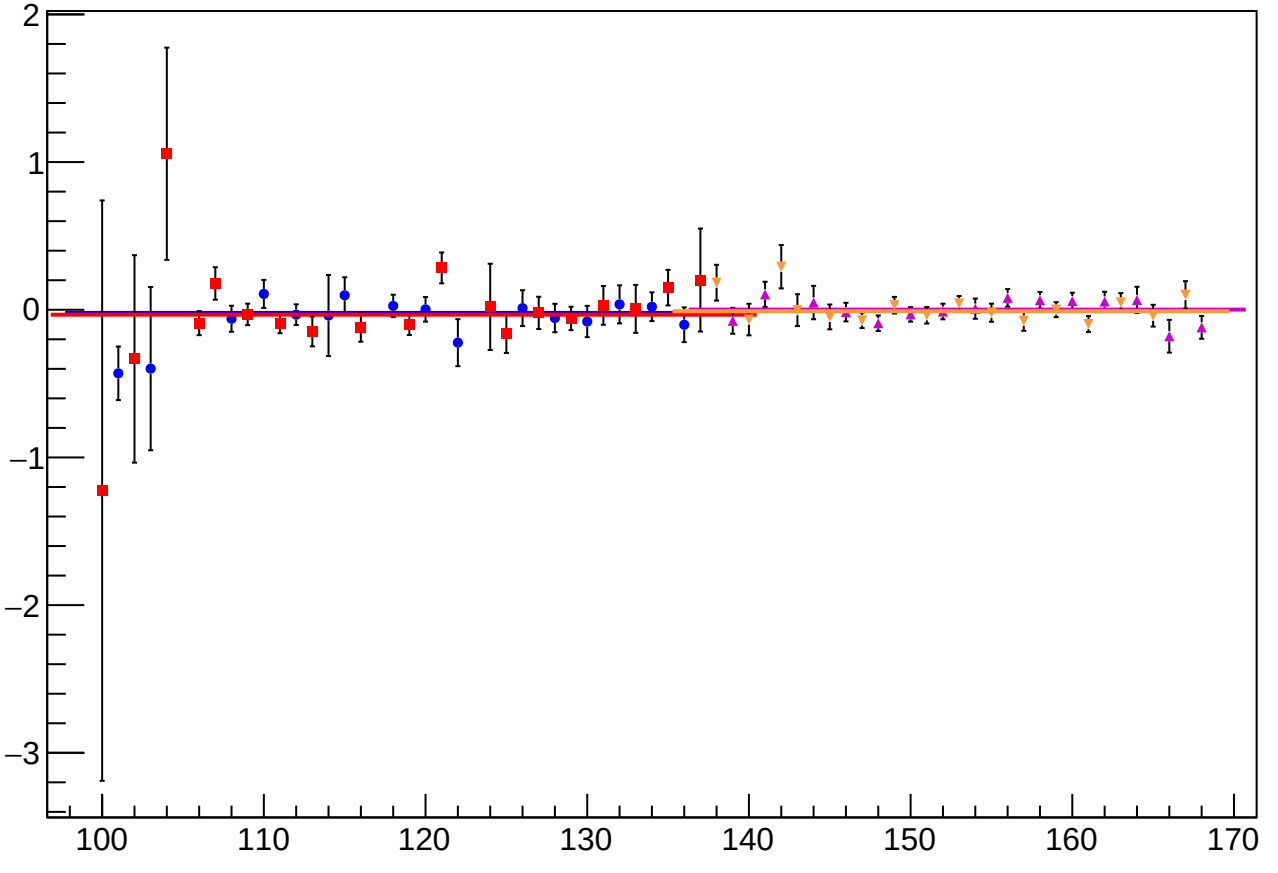
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.236+/-0.010 χ^2/NDF:3139370.1/30

Out: 54.306+/-0.010 χ^2/NDF:4140470.9/34

All: 55.717+/-0.007 χ^2/NDF: 7323231.8/65

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: -0.010+/-0.017 χ^2/NDF:16.6/15

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.017 χ^2/NDF:16.4/14

Left: -0.005+/-0.012 χ^2/NDF: 33.2/30

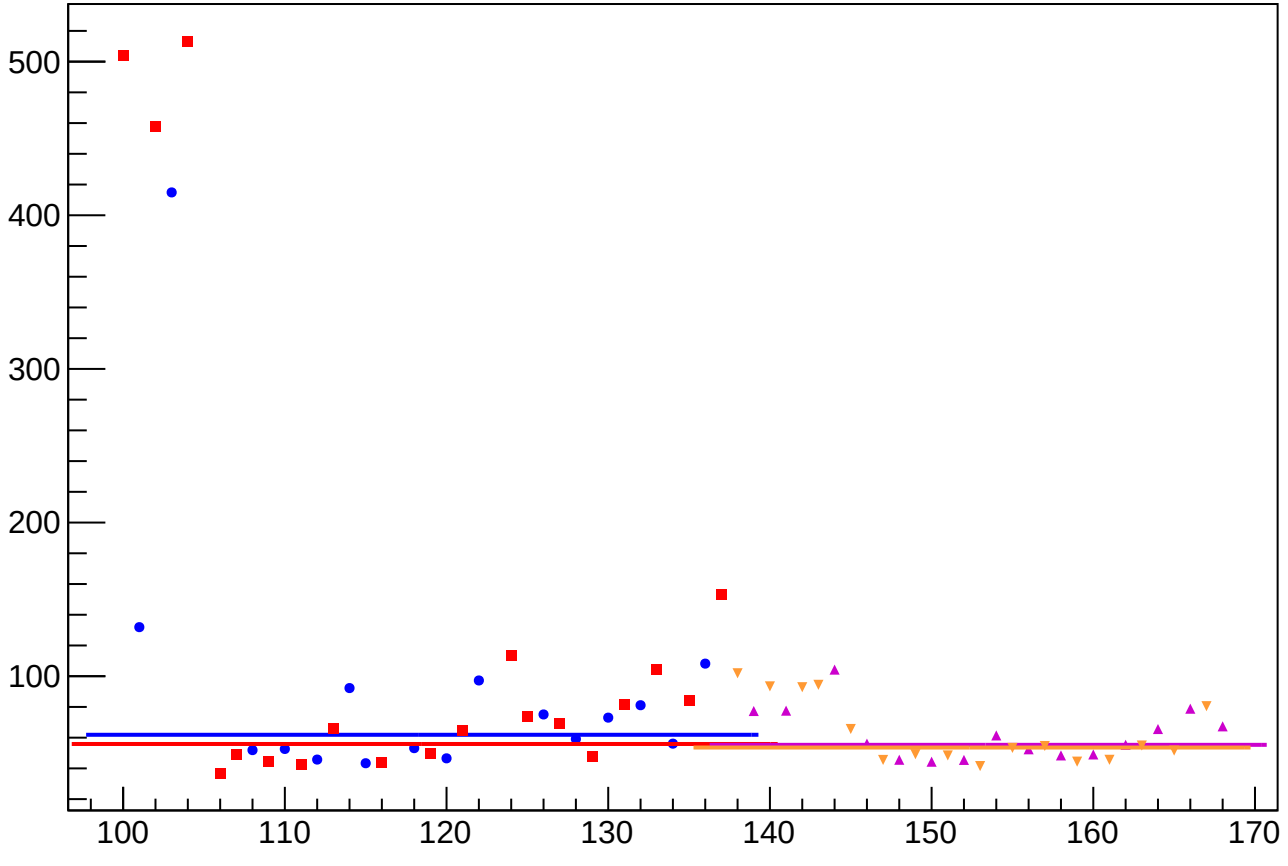
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.005+/-0.014 χ^2/NDF:28.9/30

Out: -0.017+/-0.014 χ^2/NDF:41.6/34

All: -0.012+/-0.010 χ^2/NDF: 70.9/65

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.579+/-0.012 χ^2/NDF:1537169.8/15

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.333+/-0.012 χ^2/NDF:1115384.3/14

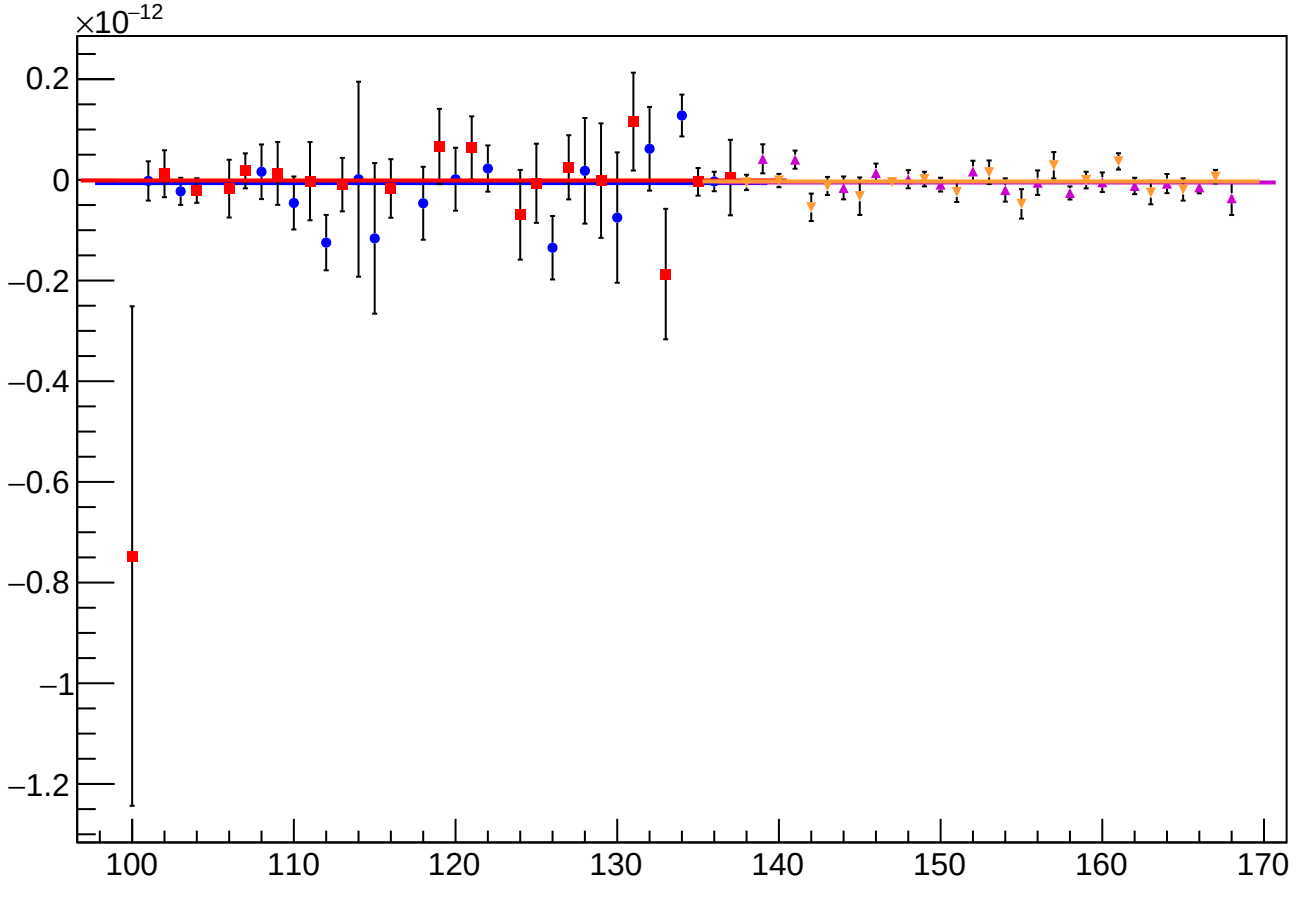
Left: 54.439+/-0.008 χ^2/NDF: 2663403.4/30

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.236+/-0.010 χ^2/NDF:3139370.1/30

Out: 54.306+/-0.010 χ^2/NDF:4140470.9/34

All: 55.717+/-0.007 χ^2/NDF: 7323231.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/14

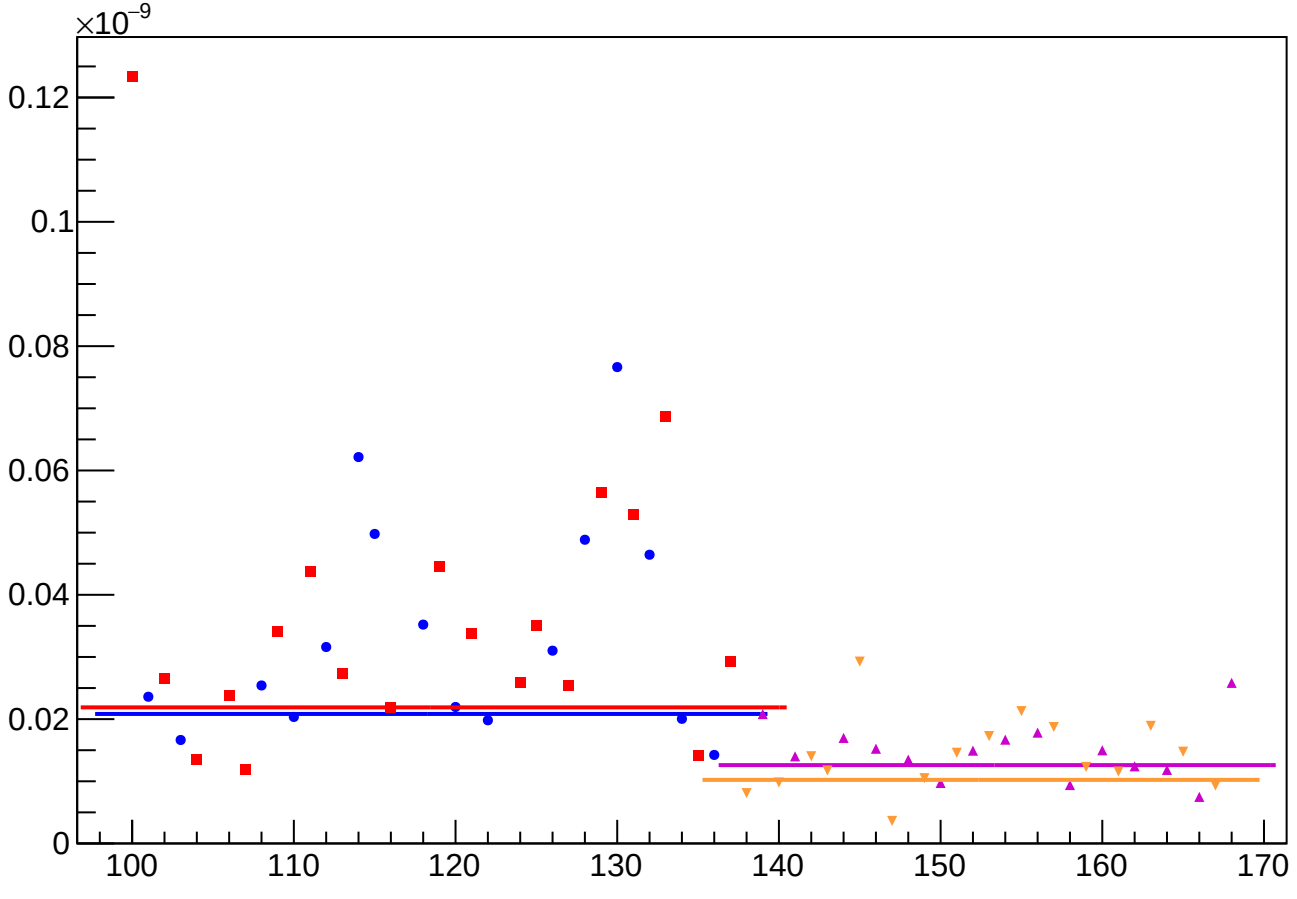
Left: -0.000+/-0.000 χ^2/NDF: 34.3/30

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:38.8/30

Out: -0.000+/-0.000 χ^2/NDF:27.8/34

All: -0.000+/-0.000 χ^2/NDF: 66.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3057283.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1391630.0/14

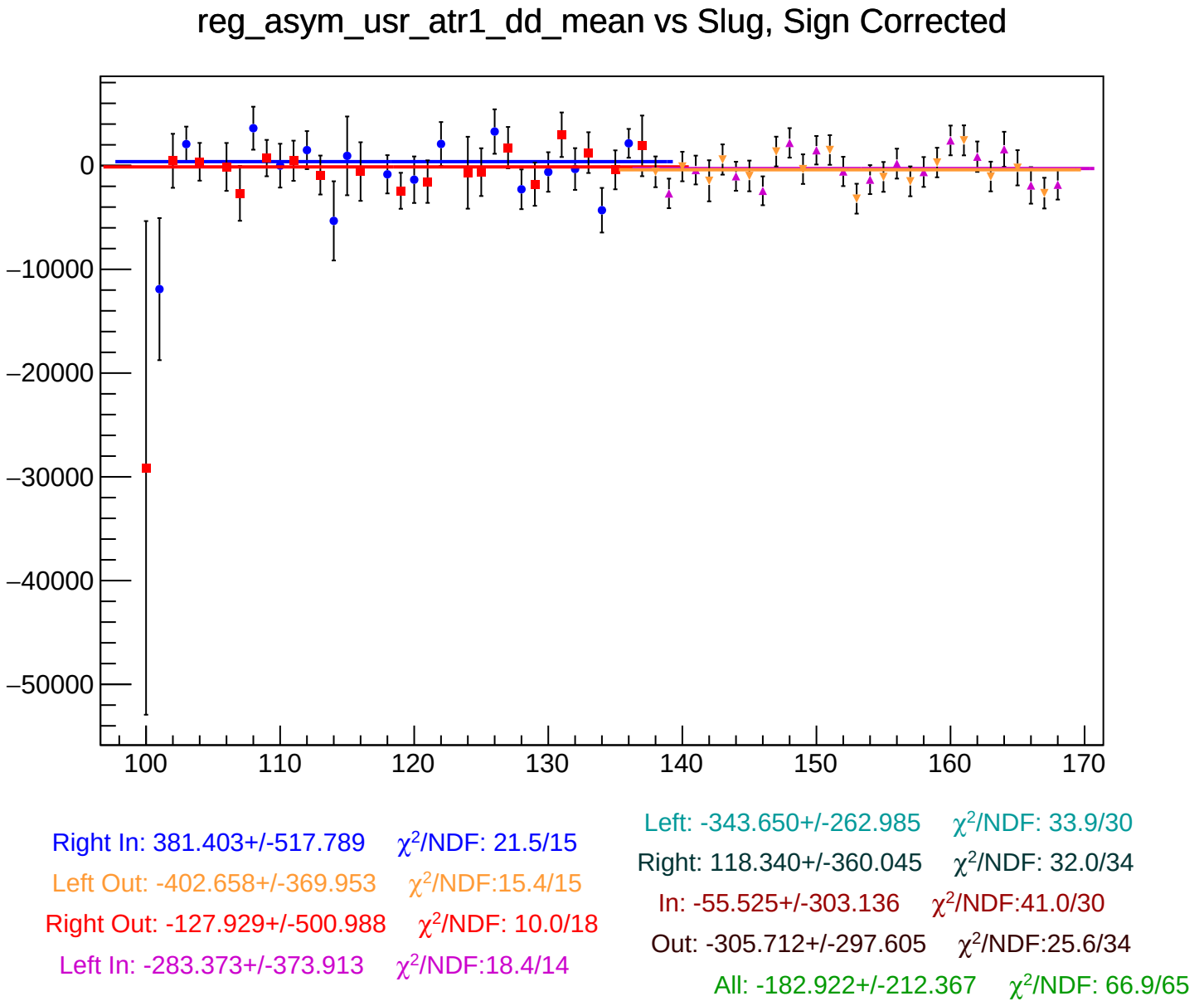
Left: 0.000+/-0.000 χ^2/NDF: 4738379.0/30

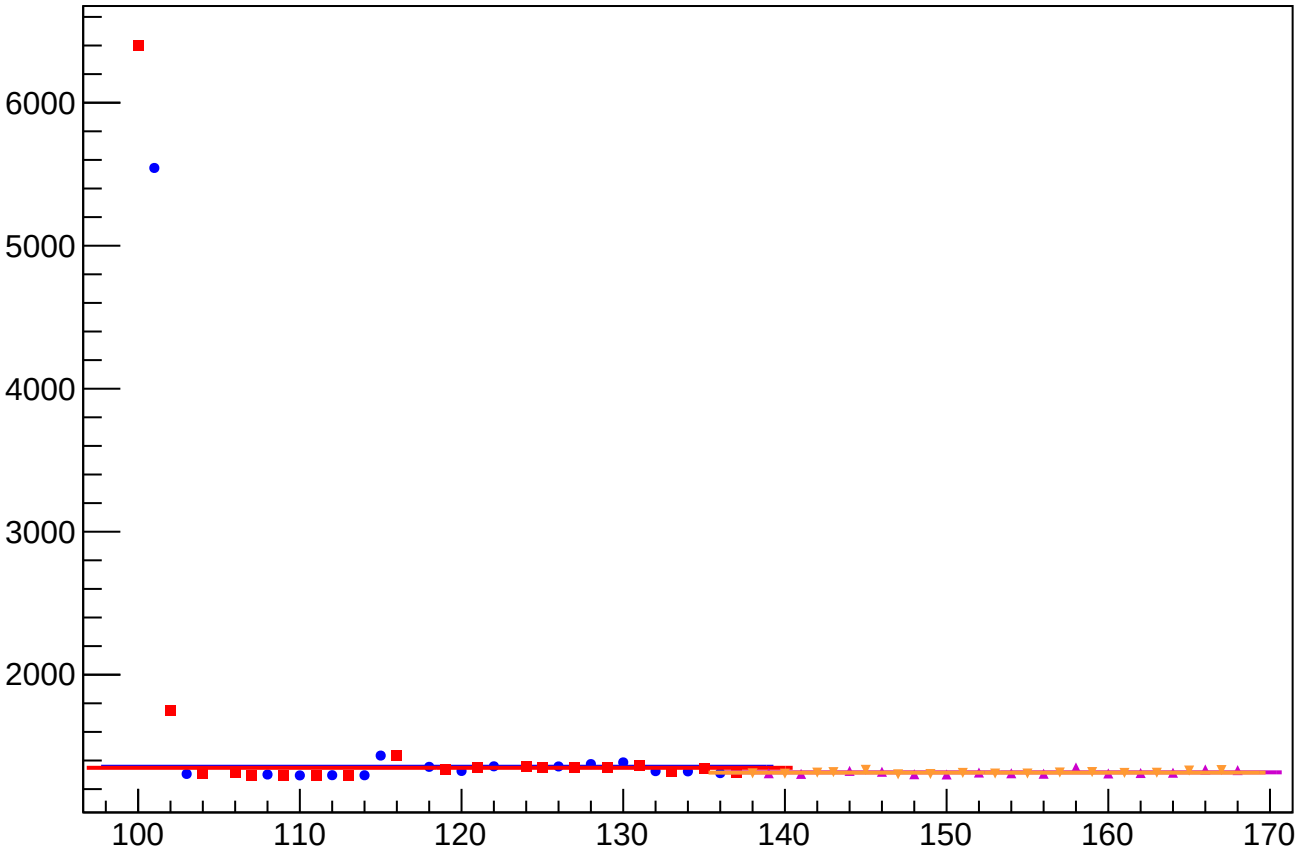
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3685611.4/30

Out: 0.000+/-0.000 χ^2/NDF:6676510.8/34

All: 0.000+/-0.000 χ^2/NDF: 10676382.7/65


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -402.658+/-369.953 χ²/NDF:15.4/15
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -283.373+/-373.913 χ²/NDF:18.4/14
Left: -343.650+/-262.985 χ²/NDF: 33.9/30
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: -55.525+/-303.136 χ²/NDF:41.0/30
Out: -305.712+/-297.605 χ²/NDF:25.6/34
All: -182.922+/-212.367 χ²/NDF: 66.9/65



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

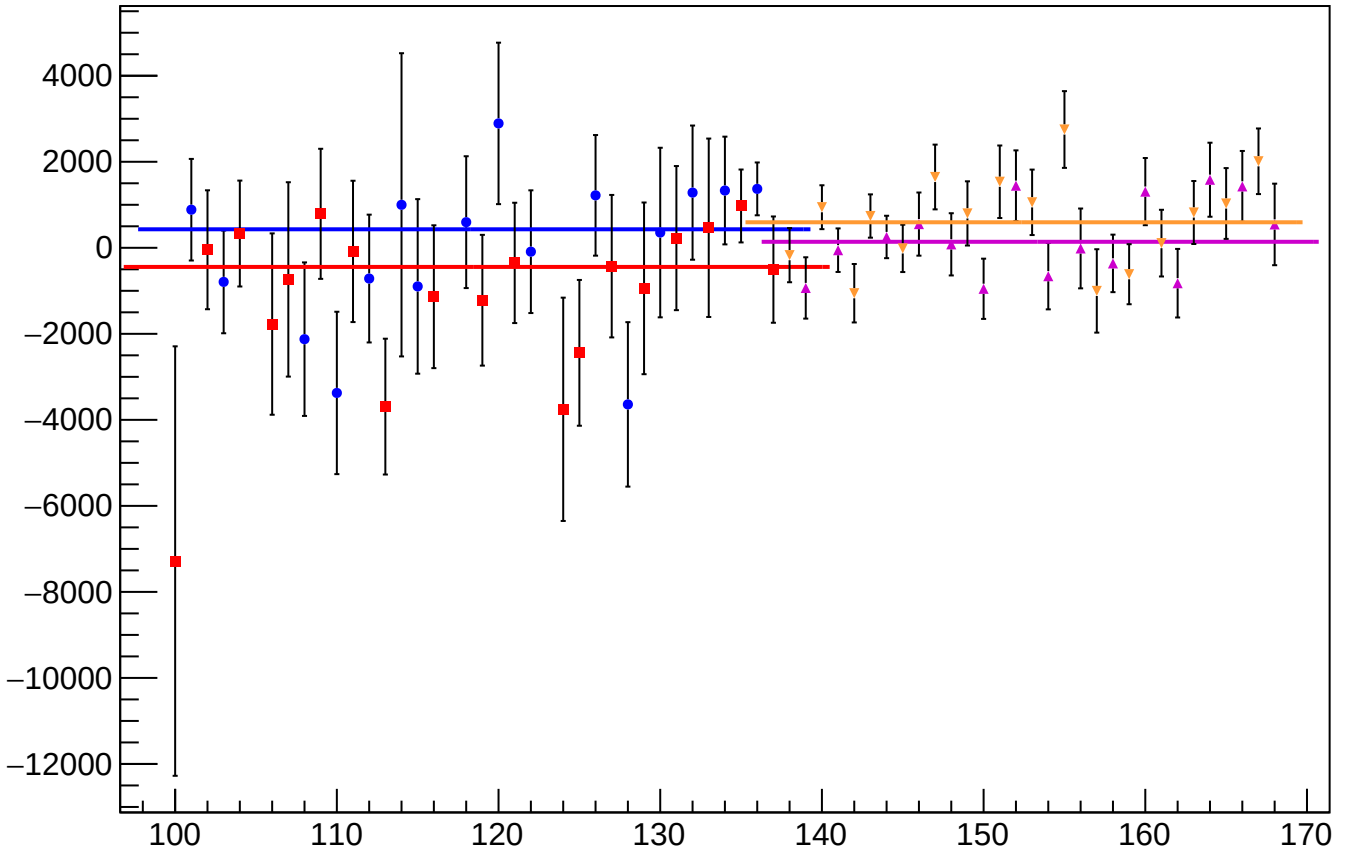
Left: 1316.275+/-0.186 χ^2/NDF: 3754.9/30

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.711+/-0.214 χ^2/NDF:770272.8/30

Out: 1327.154+/-0.210 χ^2/NDF:154334.5/34

All: 1328.900+/-0.150 χ^2/NDF: 924747.5/65



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 593.498+/-172.591 χ^2/NDF:28.6/15

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 139.682+/-184.104 χ^2/NDF:18.5/14

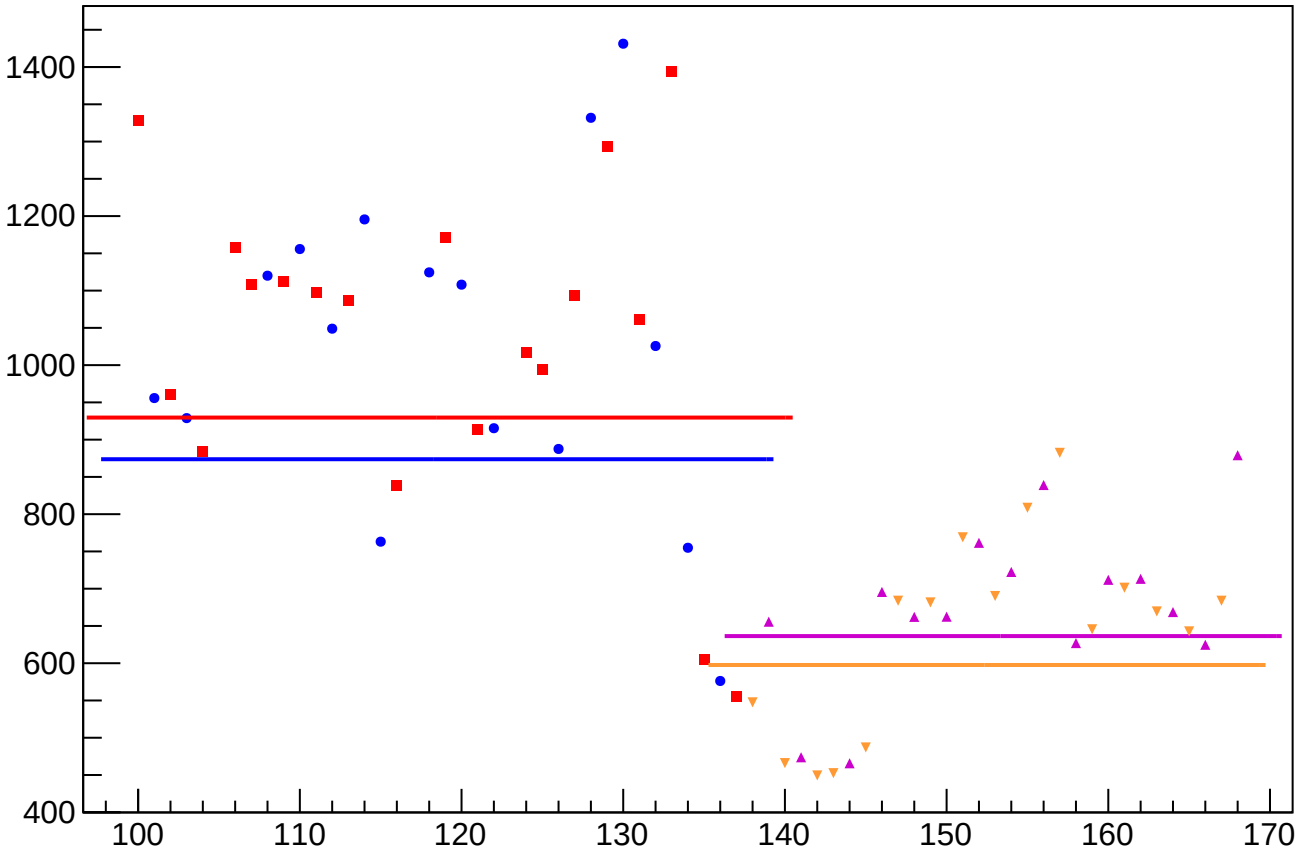
Left: 381.222+/-125.913 χ^2/NDF: 50.3/30

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 206.051+/-161.726 χ^2/NDF:37.3/30

Out: 395.584+/-155.268 χ^2/NDF:49.9/34

All: 304.677+/-112.005 χ^2/NDF: 87.9/65



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 597.623+/-0.122 χ^2/NDF:1032419.6/15

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 636.413+/-0.130 χ^2/NDF:804675.8/14

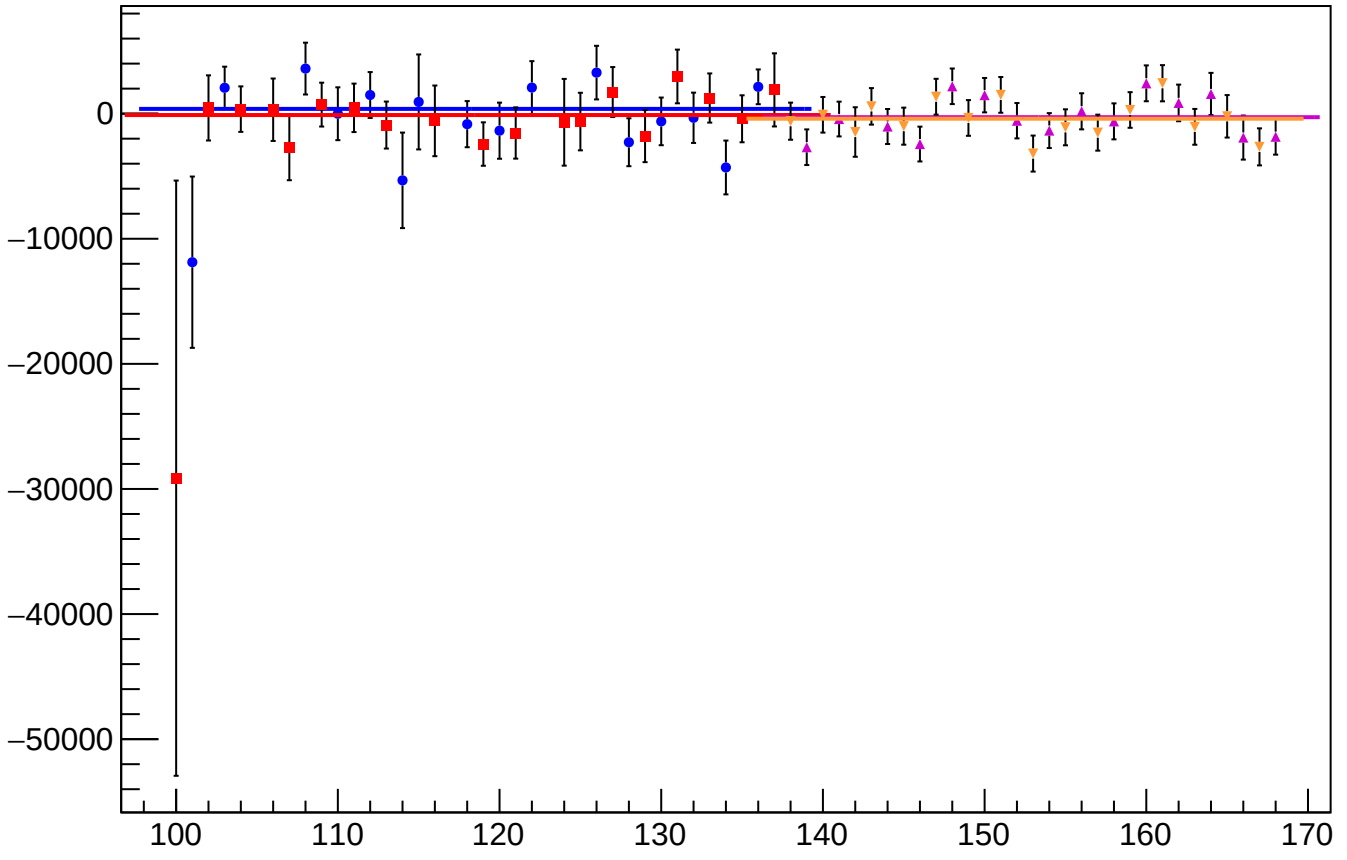
Left: 615.767+/-0.089 χ^2/NDF: 1884351.7/30

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 690.598+/-0.114 χ^2/NDF:2578324.0/30

Out: 660.924+/-0.110 χ^2/NDF:3303476.6/34

All: 675.157+/-0.079 χ^2/NDF: 5916838.1/65



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -283.403+/-373.913 χ^2/NDF:18.4/14

Left: -343.693+/-262.985 χ^2/NDF: 33.9/30

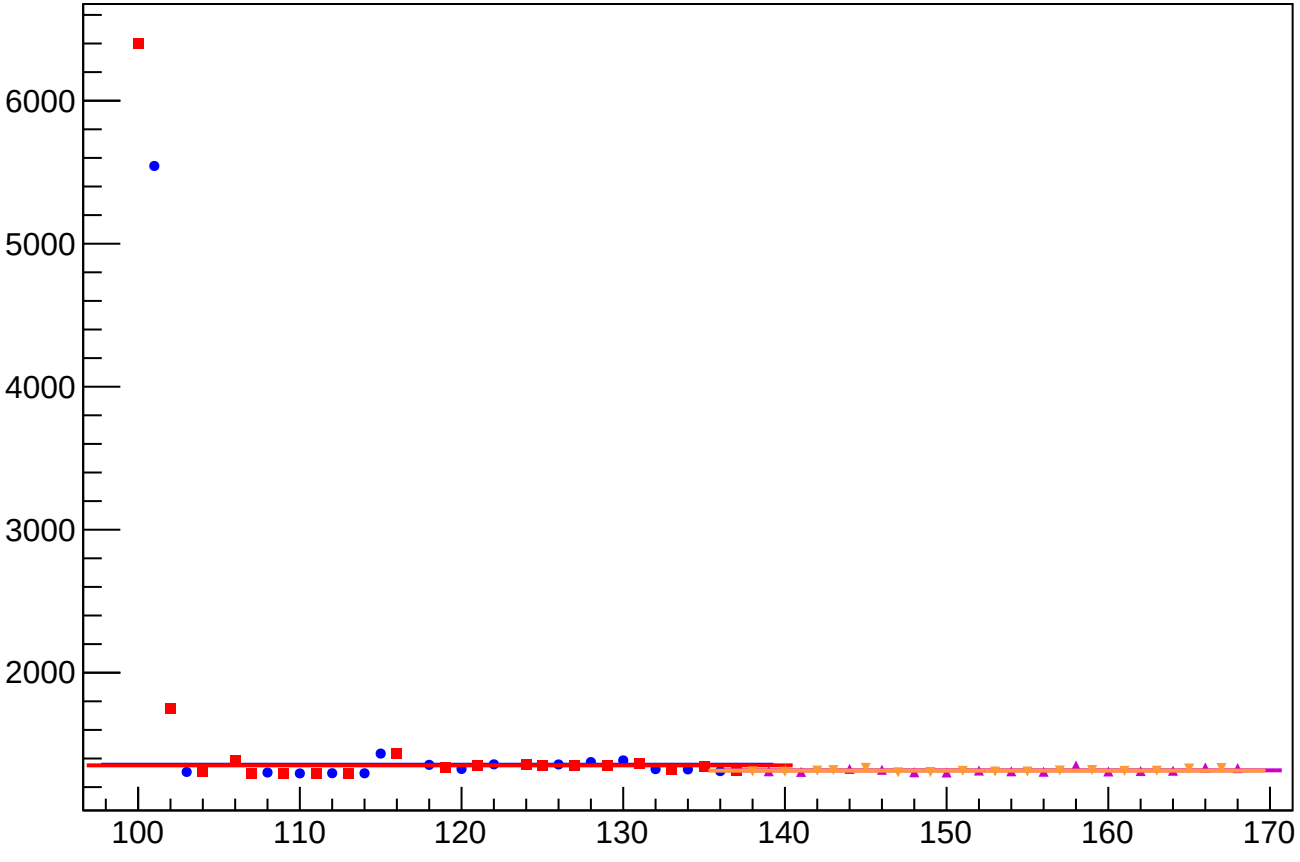
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -55.439+/-303.136 χ^2/NDF:41.0/30

Out: -299.974+/-297.962 χ^2/NDF:25.7/34

All: -179.811+/-212.497 χ^2/NDF: 67.0/65

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

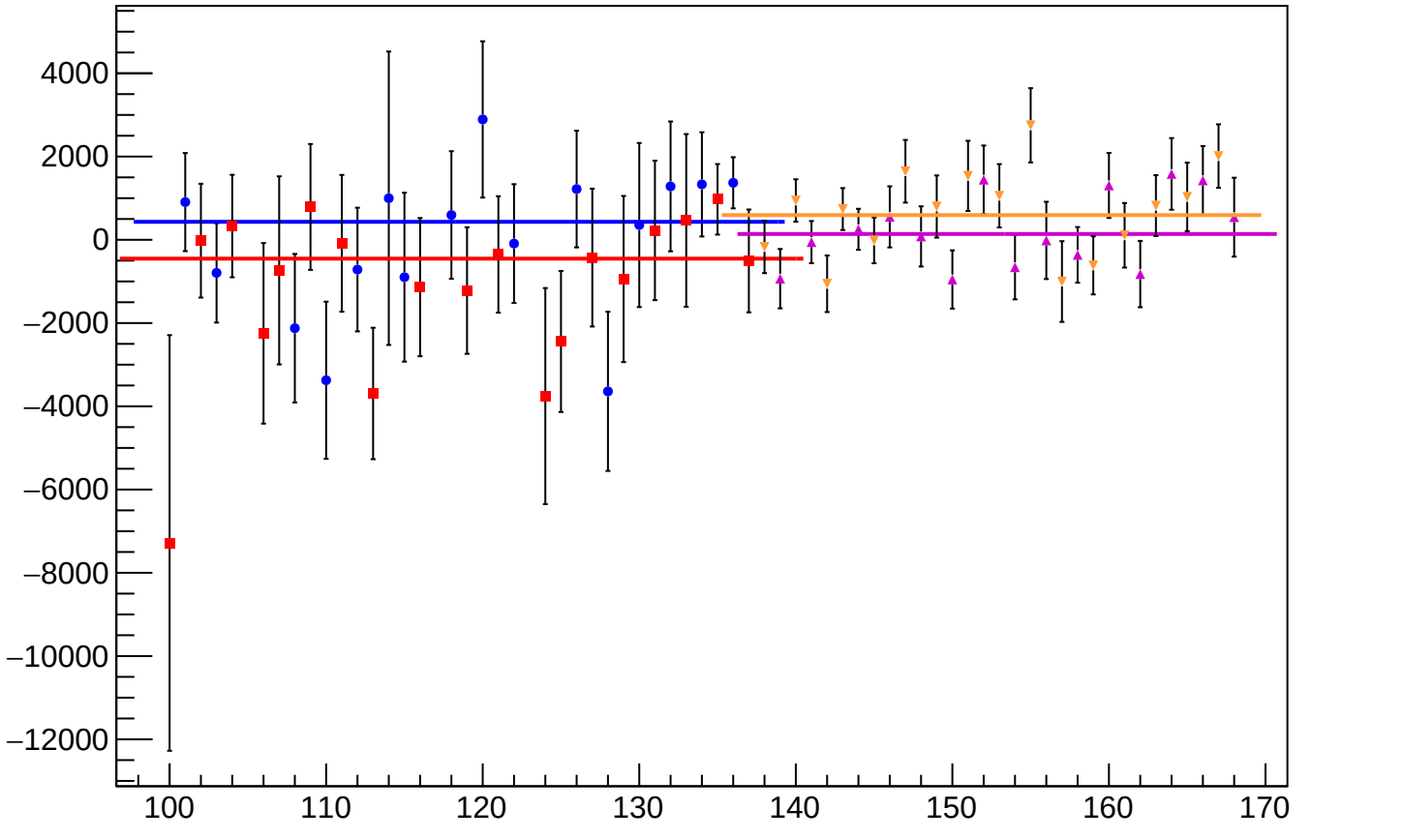
Left: 1316.275+/-0.186 χ^2/NDF: 3754.9/30

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.711+/-0.214 χ^2/NDF:770271.8/30

Out: 1328.194+/-0.211 χ^2/NDF:155495.5/34

All: 1329.431+/-0.150 χ^2/NDF: 925837.5/65



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 139.702+/-184.102 χ^2/NDF:18.5/14

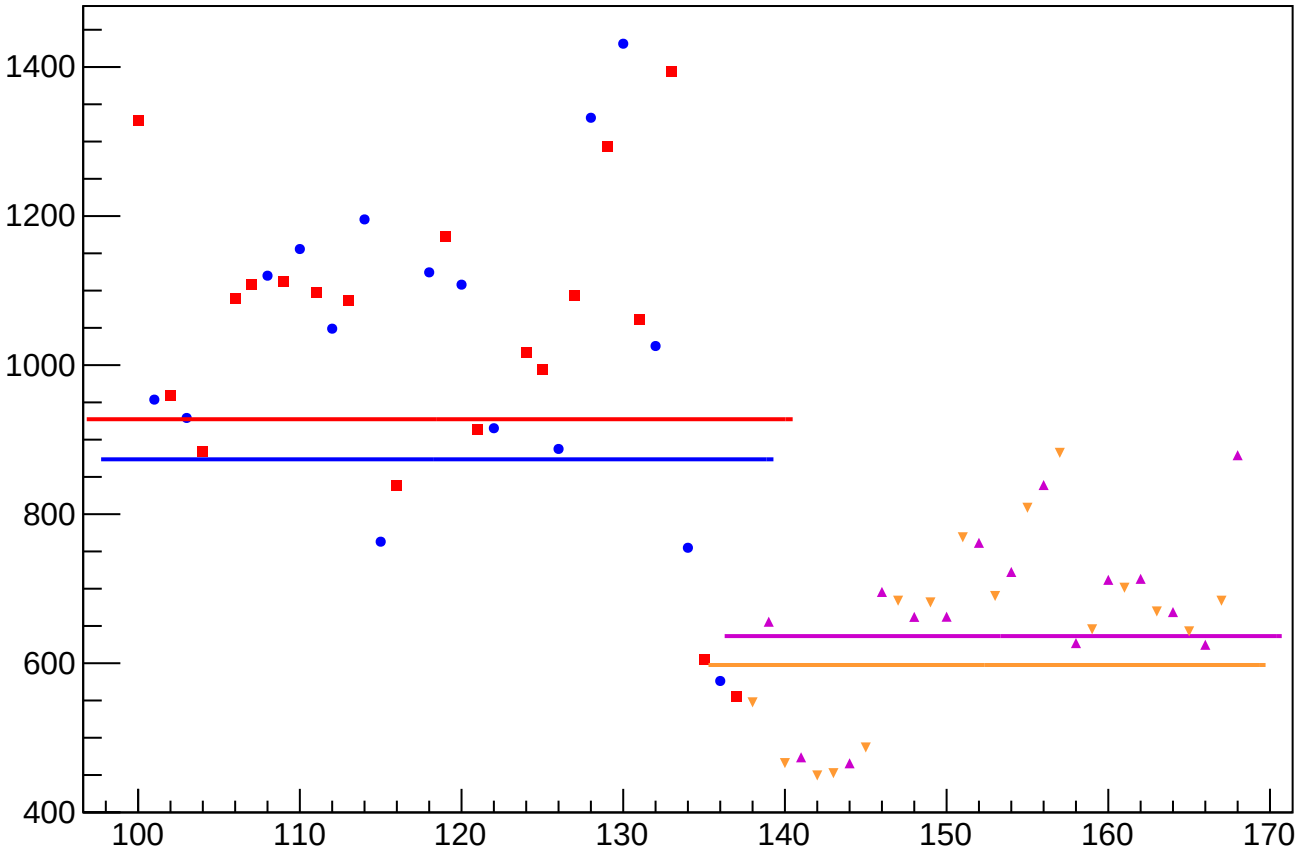
Left: 381.202+/-125.913 χ^2/NDF: 50.4/30

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 206.487+/-161.719 χ^2/NDF:37.4/30

Out: 393.928+/-155.269 χ^2/NDF:50.3/34

All: 304.020+/-112.003 χ^2/NDF: 88.3/65



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 636.407+/-0.130 χ^2/NDF:804741.8/14

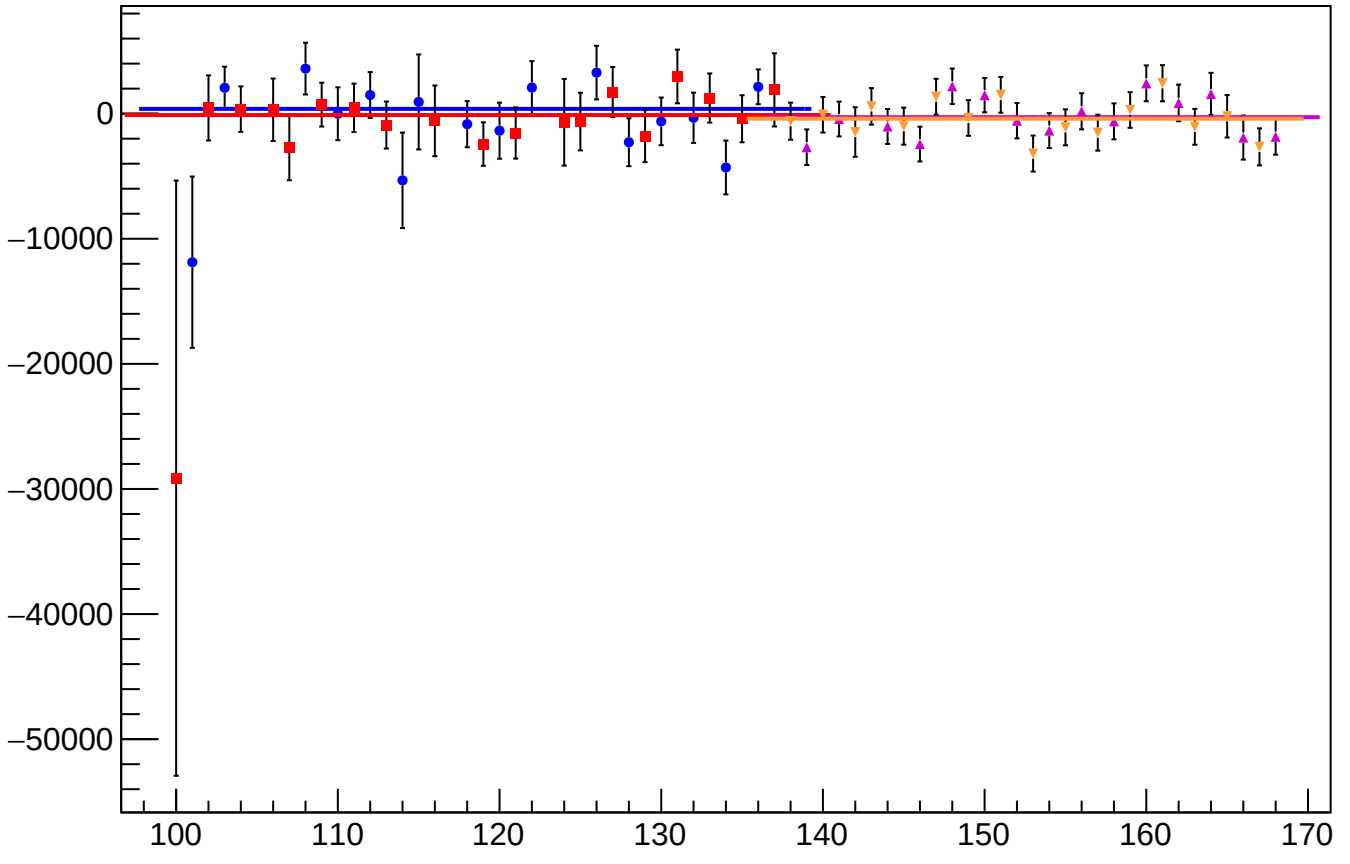
Left: 615.765+/-0.089 χ^2/NDF: 1884340.1/30

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 690.578+/-0.114 χ^2/NDF:2577362.6/30

Out: 660.499+/-0.110 χ^2/NDF:3271931.4/34

All: 674.927+/-0.079 χ^2/NDF: 5885296.7/65



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -402.712+/-369.953 χ^2/NDF:15.4/15

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -283.403+/-373.913 χ^2/NDF:18.4/14

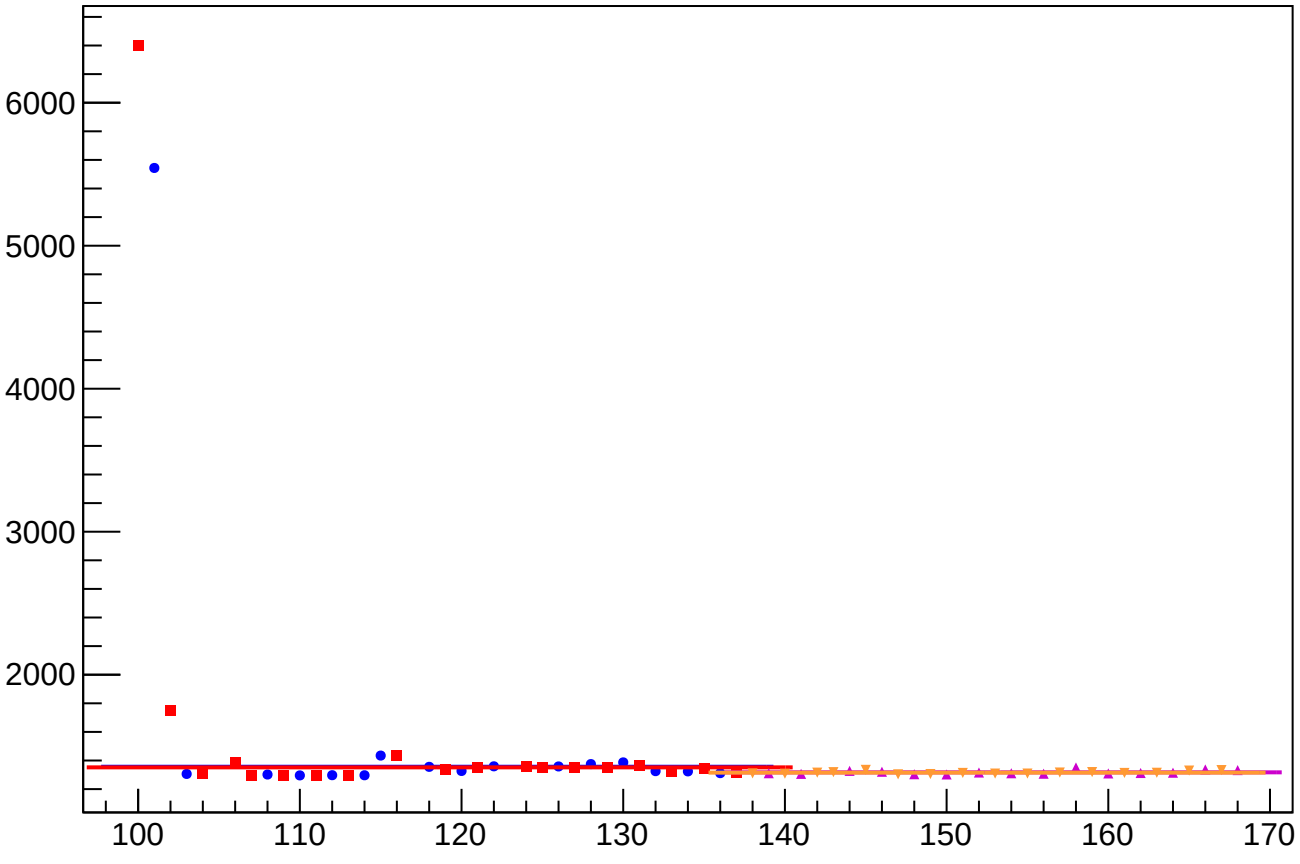
Left: -343.693+/-262.985 χ^2/NDF: 33.9/30

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -55.439+/-303.136 χ^2/NDF:41.0/30

Out: -299.974+/-297.962 χ^2/NDF:25.7/34

All: -179.811+/-212.497 χ^2/NDF: 67.0/65



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1315.255+/-0.262 χ^2/NDF:1205.9/15

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1317.317+/-0.264 χ^2/NDF:2518.3/14

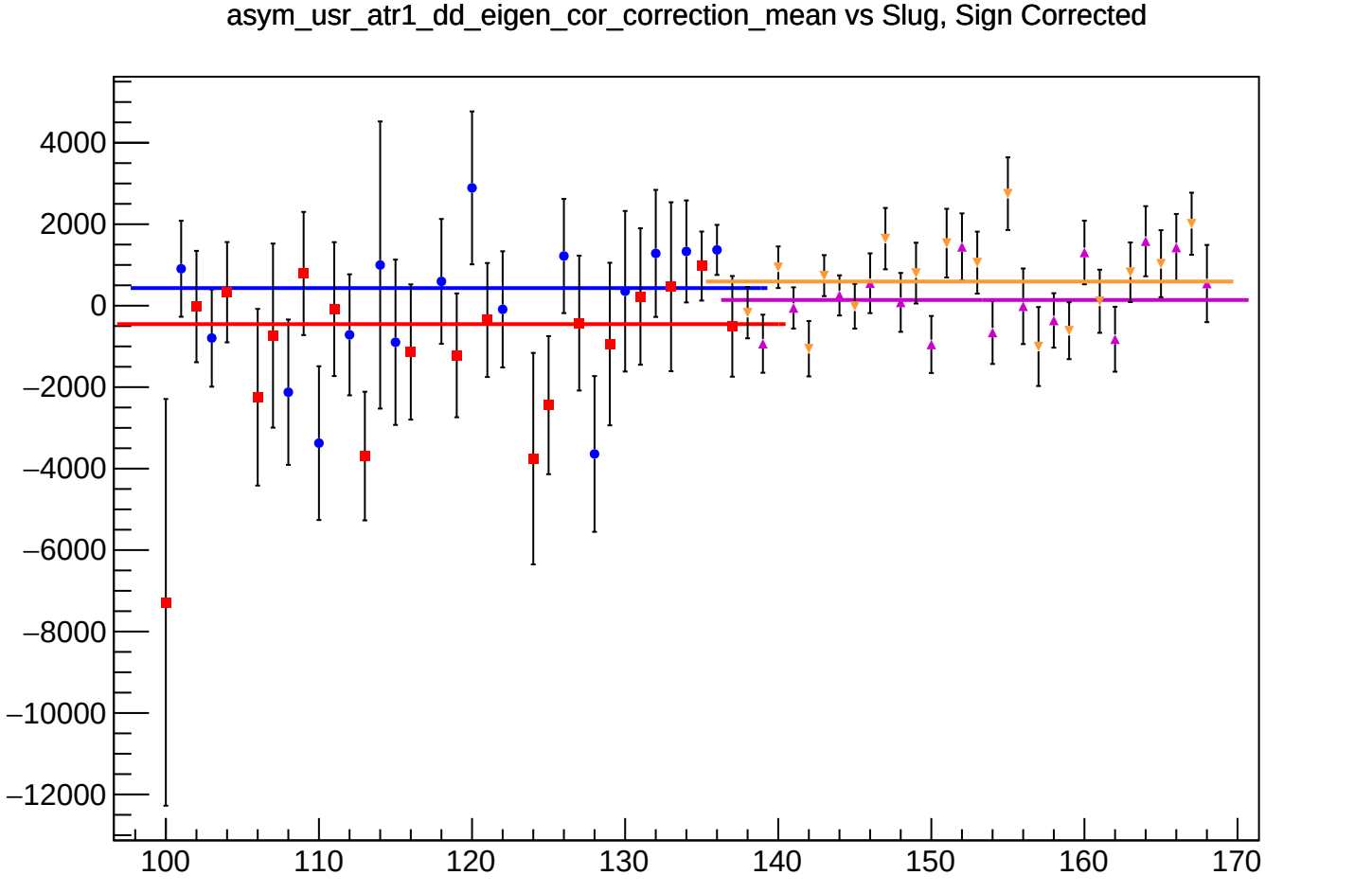
Left: 1316.275+/-0.186 χ^2/NDF: 3754.9/30

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.711+/-0.214 χ^2/NDF:770271.8/30

Out: 1328.194+/-0.211 χ^2/NDF:155495.5/34

All: 1329.431+/-0.150 χ^2/NDF: 925837.5/65



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 593.445+/-172.591 χ^2/NDF:28.6/15

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 139.702+/-184.102 χ^2/NDF:18.5/14

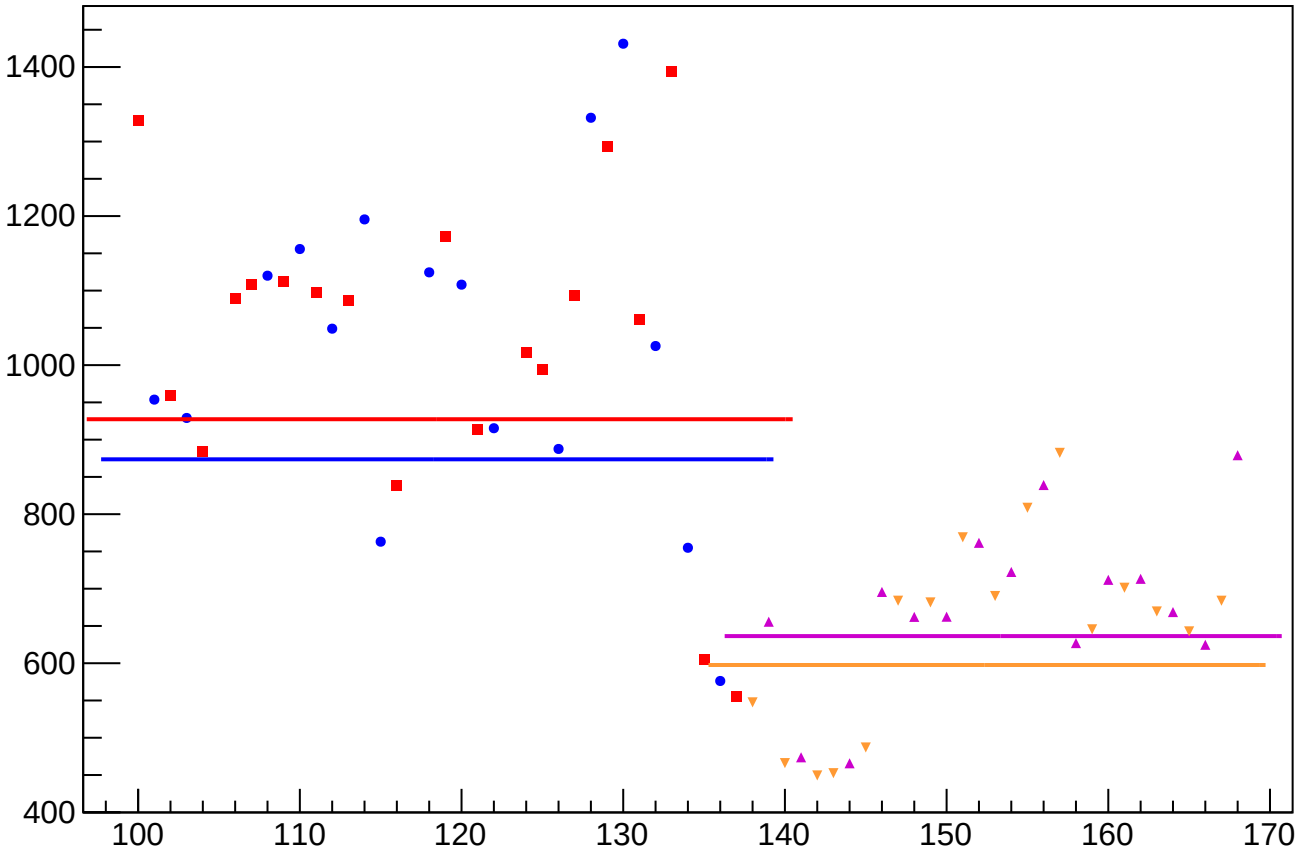
Left: 381.202+/-125.913 χ^2/NDF: 50.4/30

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 206.487+/-161.719 χ^2/NDF:37.4/30

Out: 393.928+/-155.269 χ^2/NDF:50.3/34

All: 304.020+/-112.003 χ^2/NDF: 88.3/65



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 597.624+/-0.122 χ^2/NDF:1032359.2/15

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 636.407+/-0.130 χ^2/NDF:804741.8/14

Left: 615.765+/-0.089 χ^2/NDF: 1884340.1/30

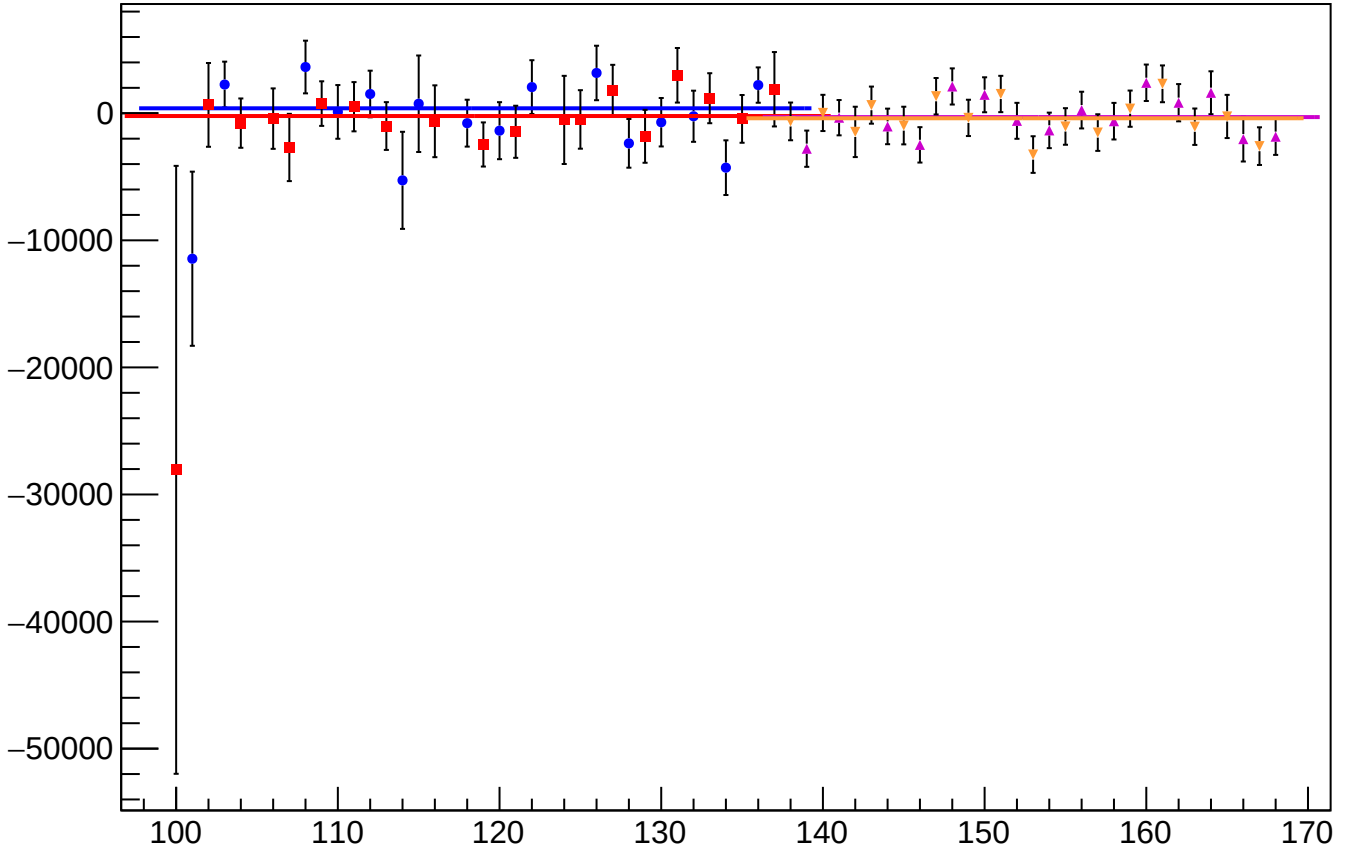
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 690.578+/-0.114 χ^2/NDF:2577362.6/30

Out: 660.499+/-0.110 χ^2/NDF:3271931.4/34

All: 674.927+/-0.079 χ^2/NDF: 5885296.7/65

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.458+/-370.249 χ^2/NDF:15.2/15

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -301.811+/-374.198 χ^2/NDF:18.6/14

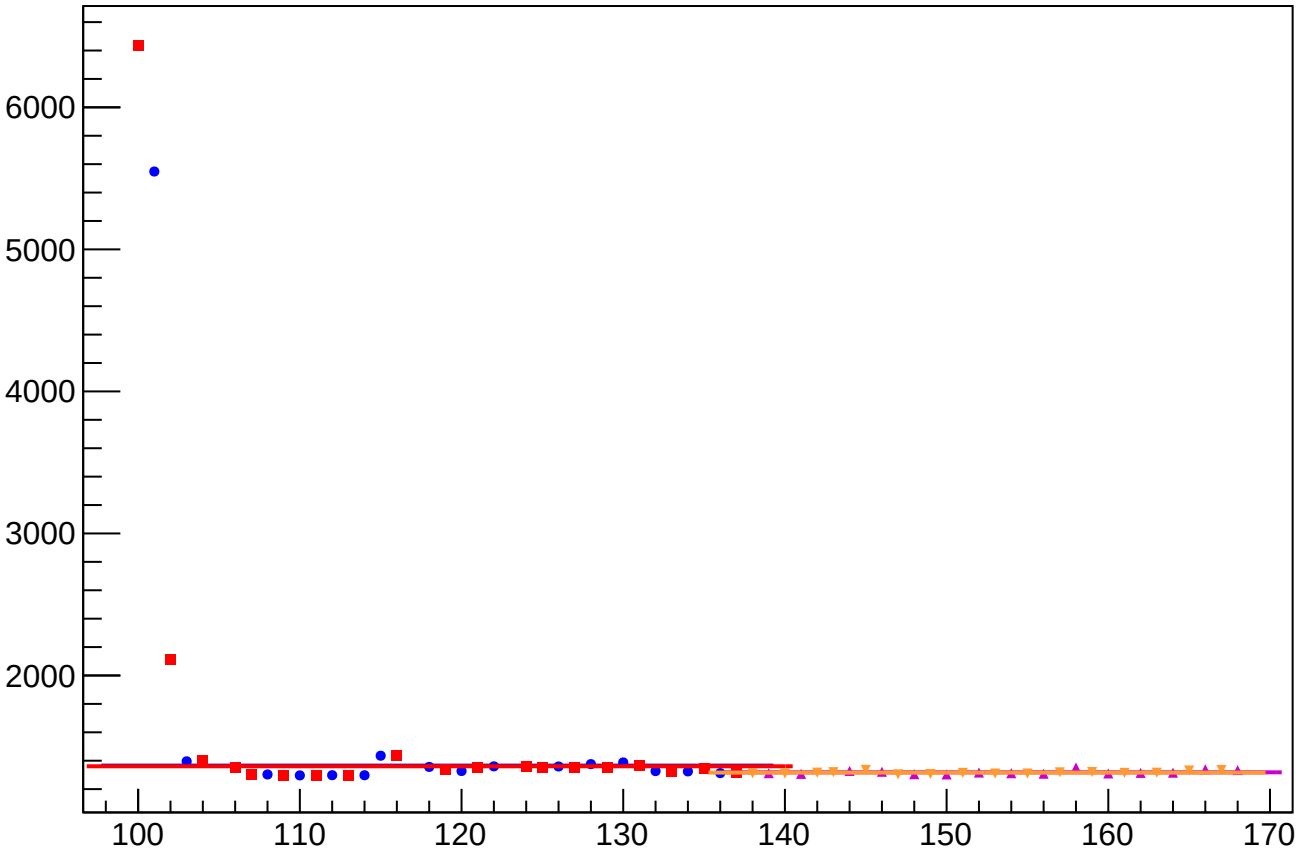
Left: -348.626+/-263.191 χ^2/NDF: 33.9/30

Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -66.495+/-303.961 χ^2/NDF:41.2/30

Out: -333.294+/-299.196 χ^2/NDF:25.3/34

All: -202.002+/-213.228 χ^2/NDF: 66.9/65



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF:1221.8/15

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1318.319+/-0.265 χ^2/NDF:2547.1/14

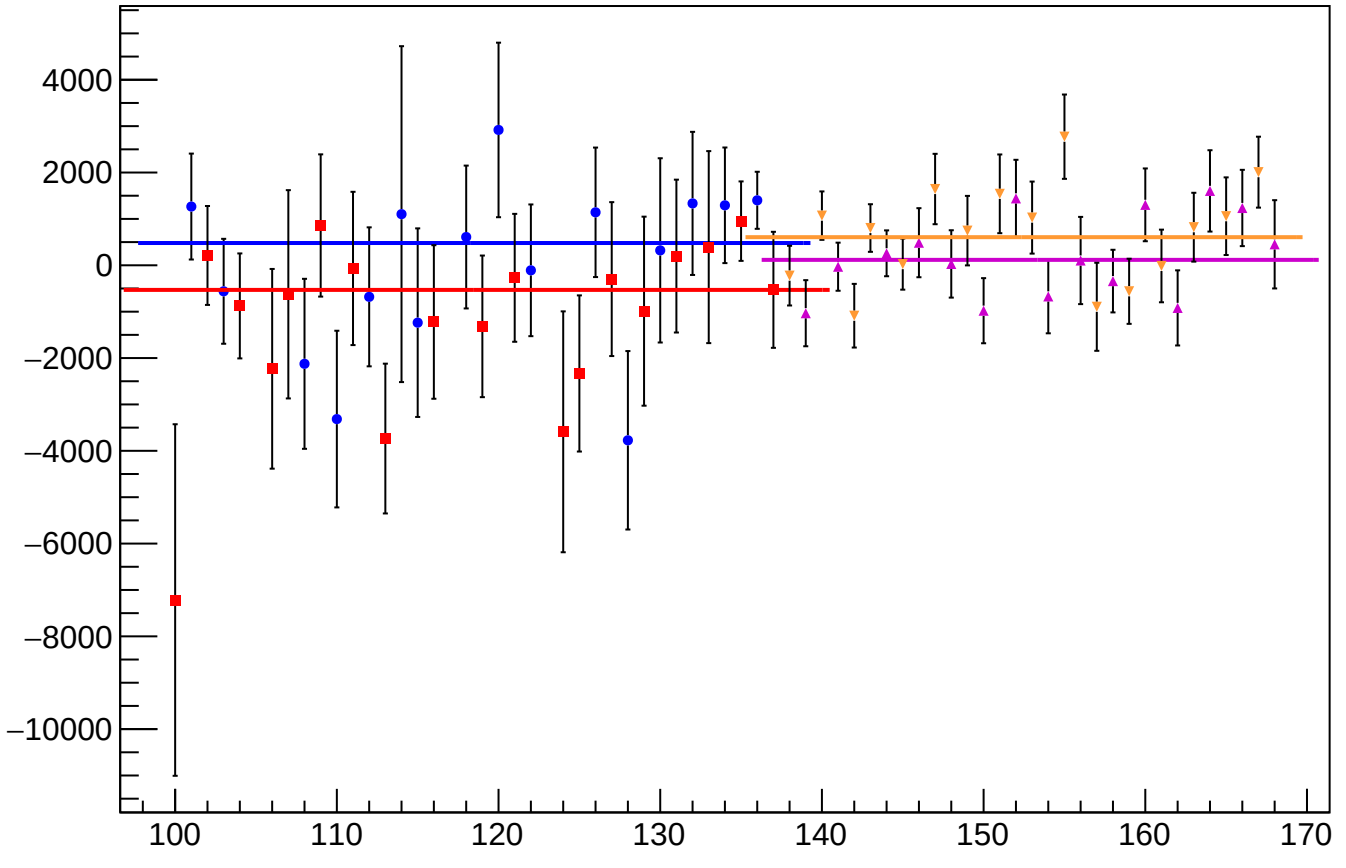
Left: 1317.303+/-0.186 χ^2/NDF: 3798.2/30

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.301+/-0.215 χ^2/NDF:772216.8/30

Out: 1331.736+/-0.212 χ^2/NDF:216545.0/34

All: 1332.998+/-0.151 χ^2/NDF: 988834.2/65



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 606.211+/-174.605 χ^2/NDF:28.5/15

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 117.089+/-186.032 χ^2/NDF:18.2/14

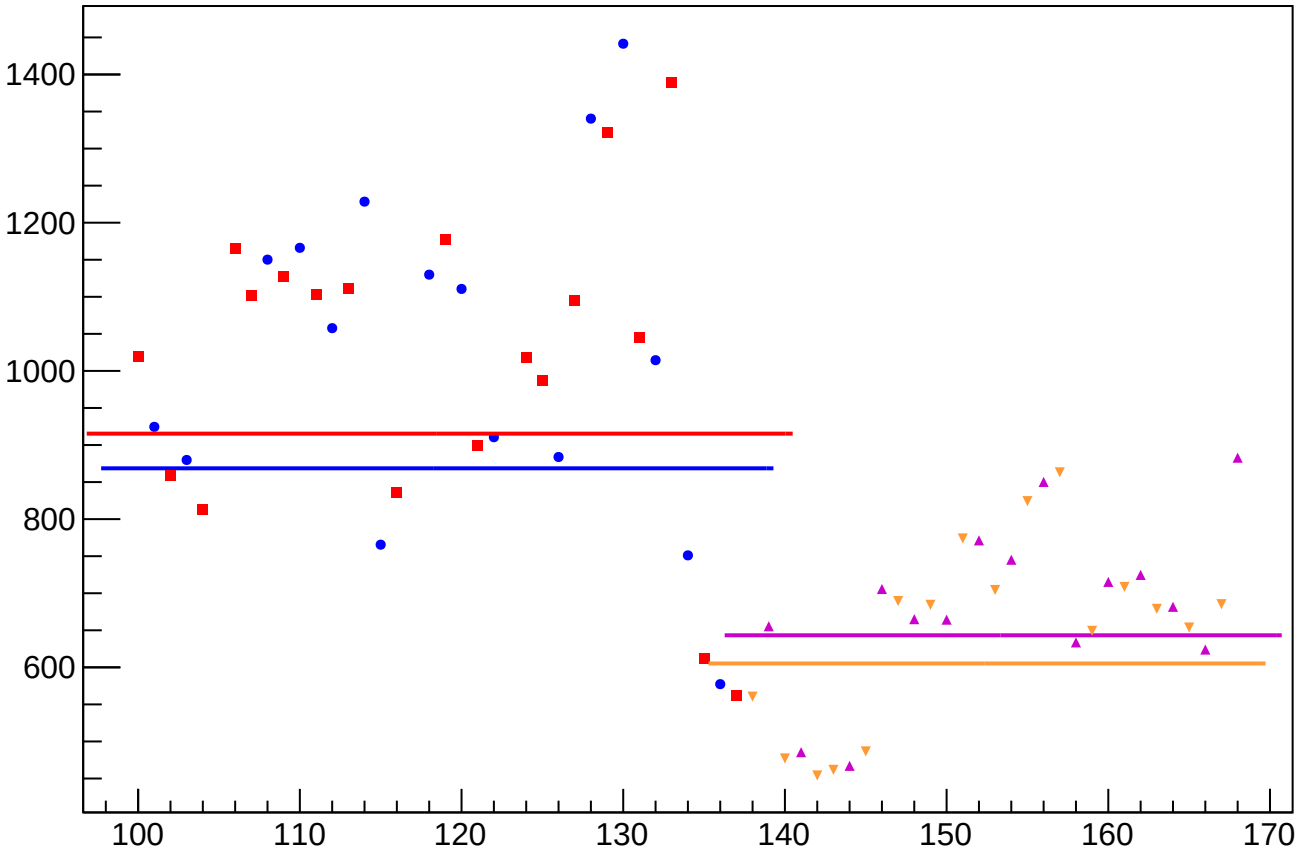
Left: 377.132+/-127.312 χ^2/NDF: 50.4/30

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 202.129+/-162.811 χ^2/NDF:37.7/30

Out: 375.596+/-155.891 χ^2/NDF:52.8/34

All: 292.627+/-112.598 χ^2/NDF: 91.1/65



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 605.219+/-0.123 χ^2/NDF:989703.5/15

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 643.283+/-0.132 χ^2/NDF:803720.8/14

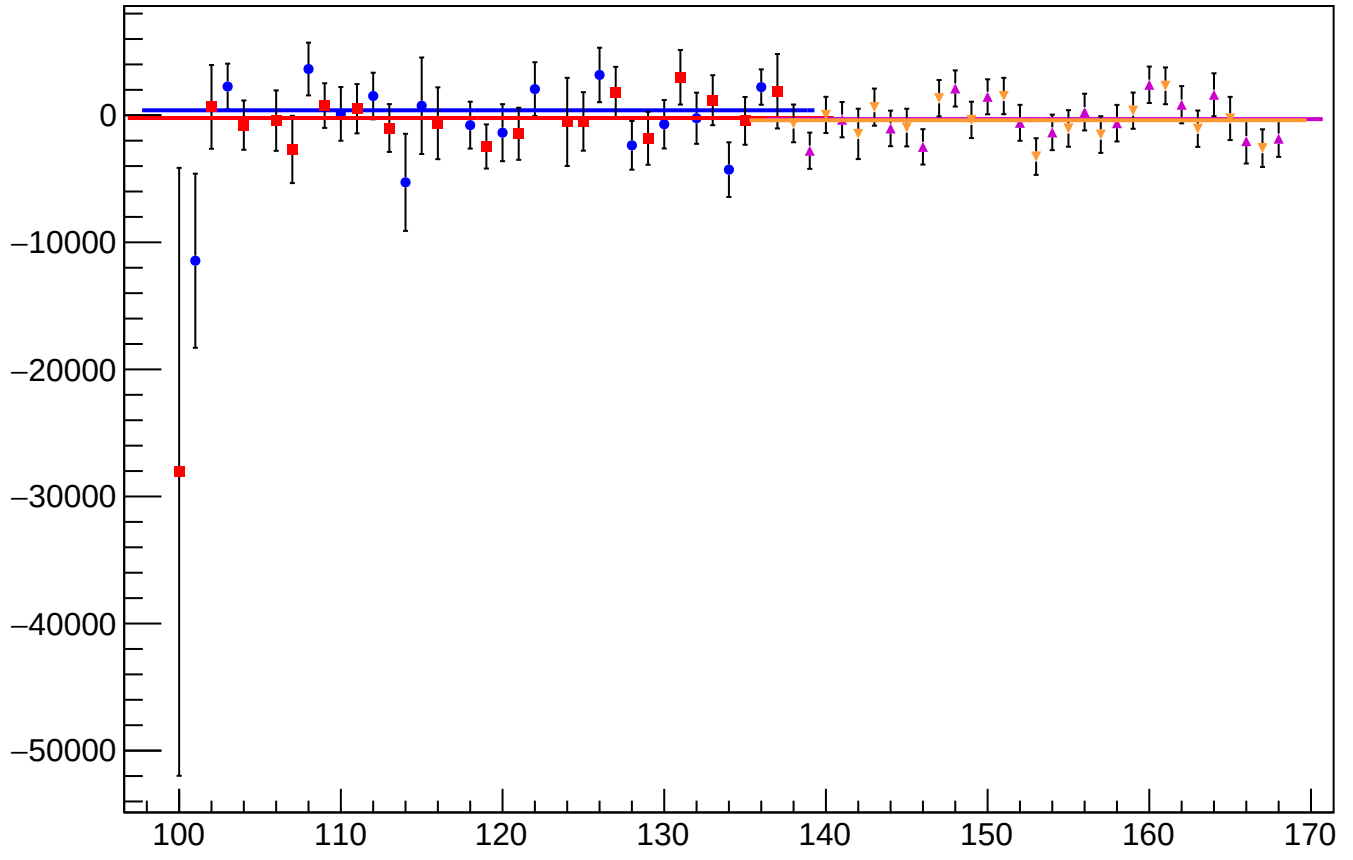
Left: 623.046+/-0.090 χ^2/NDF: 1837938.9/30

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 696.016+/-0.115 χ^2/NDF:2511618.3/30

Out: 668.139+/-0.110 χ^2/NDF:3128756.3/34

All: 681.472+/-0.080 χ^2/NDF: 5670965.0/65



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -394.460+/-370.249 χ^2/NDF:15.2/15

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -301.810+/-374.198 χ^2/NDF:18.6/14

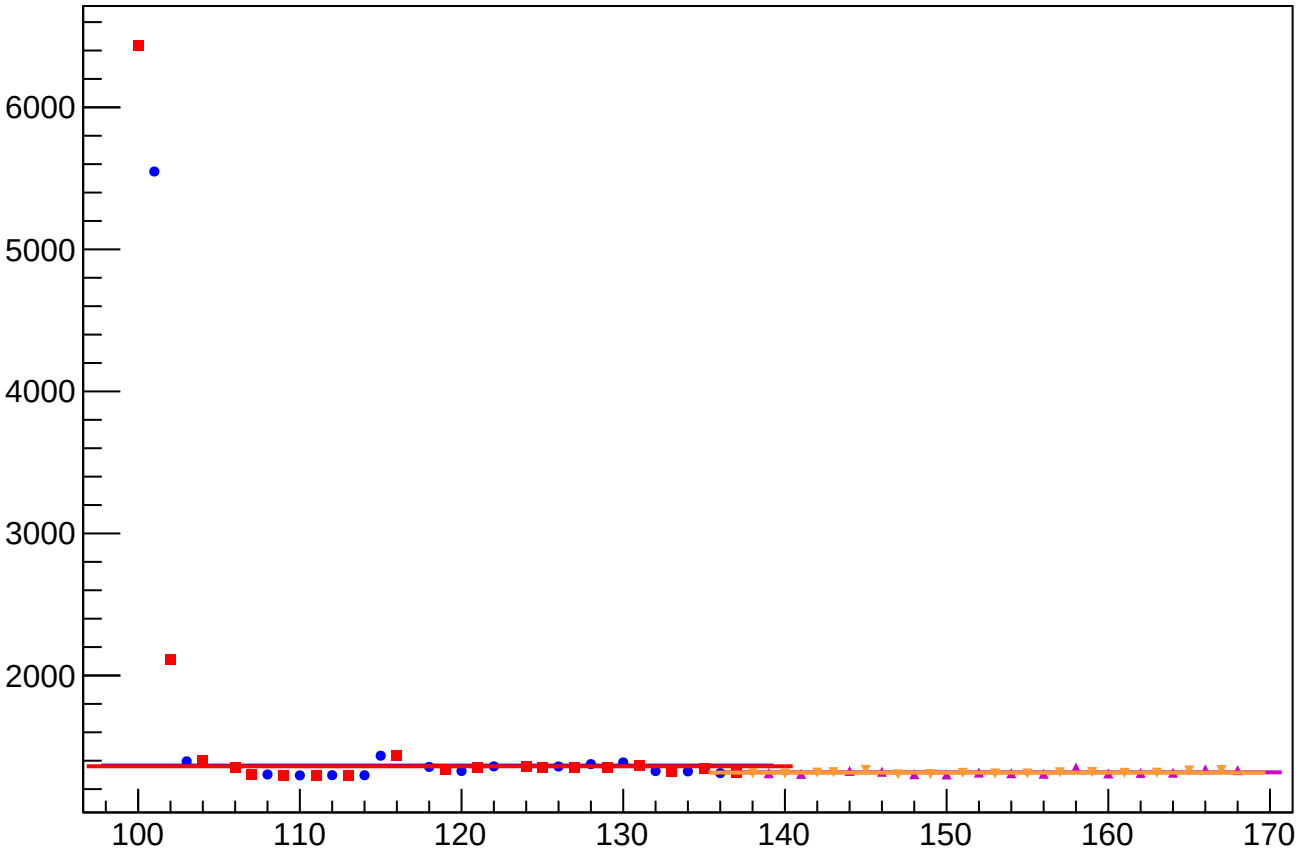
Left: -348.627+/-263.191 χ^2/NDF: 33.9/30

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -66.495+/-303.961 χ^2/NDF:41.2/30

Out: -333.295+/-299.196 χ^2/NDF:25.3/34

All: -202.002+/-213.228 χ^2/NDF: 66.9/65



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1316.308+/-0.262 χ^2/NDF:1221.8/15

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1318.319+/-0.265 χ^2/NDF:2547.1/14

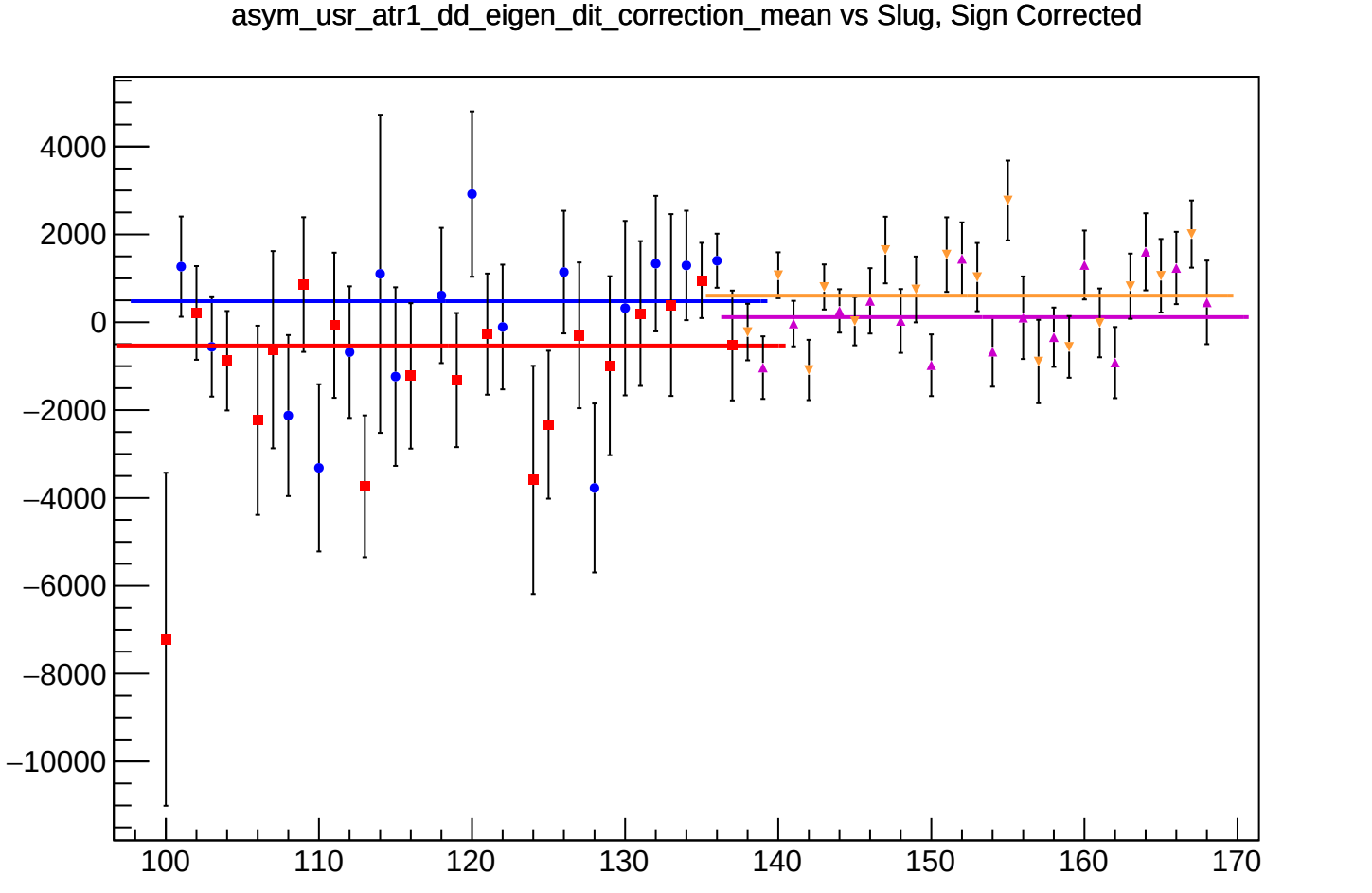
Left: 1317.303+/-0.186 χ^2/NDF: 3798.2/30

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

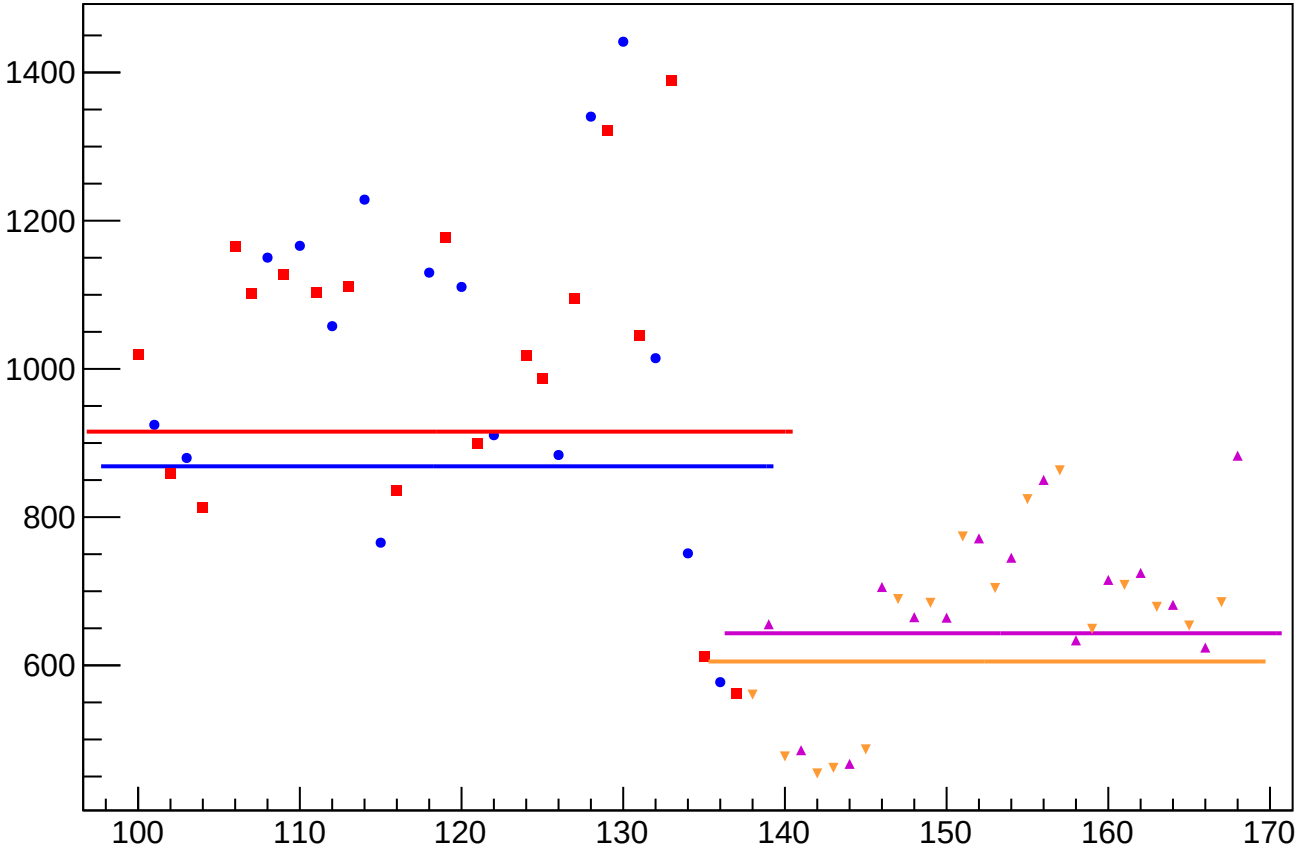
In: 1334.301+/-0.215 χ^2/NDF:772216.8/30

Out: 1331.736+/-0.212 χ^2/NDF:216544.9/34

All: 1332.998+/-0.151 χ^2/NDF: 988834.1/65


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 606.211+/-174.605 χ²/NDF:28.5/15
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: 117.089+/-186.032 χ²/NDF:18.2/14
Left: 377.133+/-127.313 χ²/NDF: 50.4/30
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 202.129+/-162.811 χ²/NDF:37.7/30
Out: 375.595+/-155.891 χ²/NDF:52.8/34
All: 292.627+/-112.598 χ²/NDF: 91.1/65

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: 605.219+/-0.123 χ^2/NDF:989718.1/15

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 643.284+/-0.132 χ^2/NDF:803728.2/14

Left: 623.047+/-0.090 χ^2/NDF: 1837962.7/30

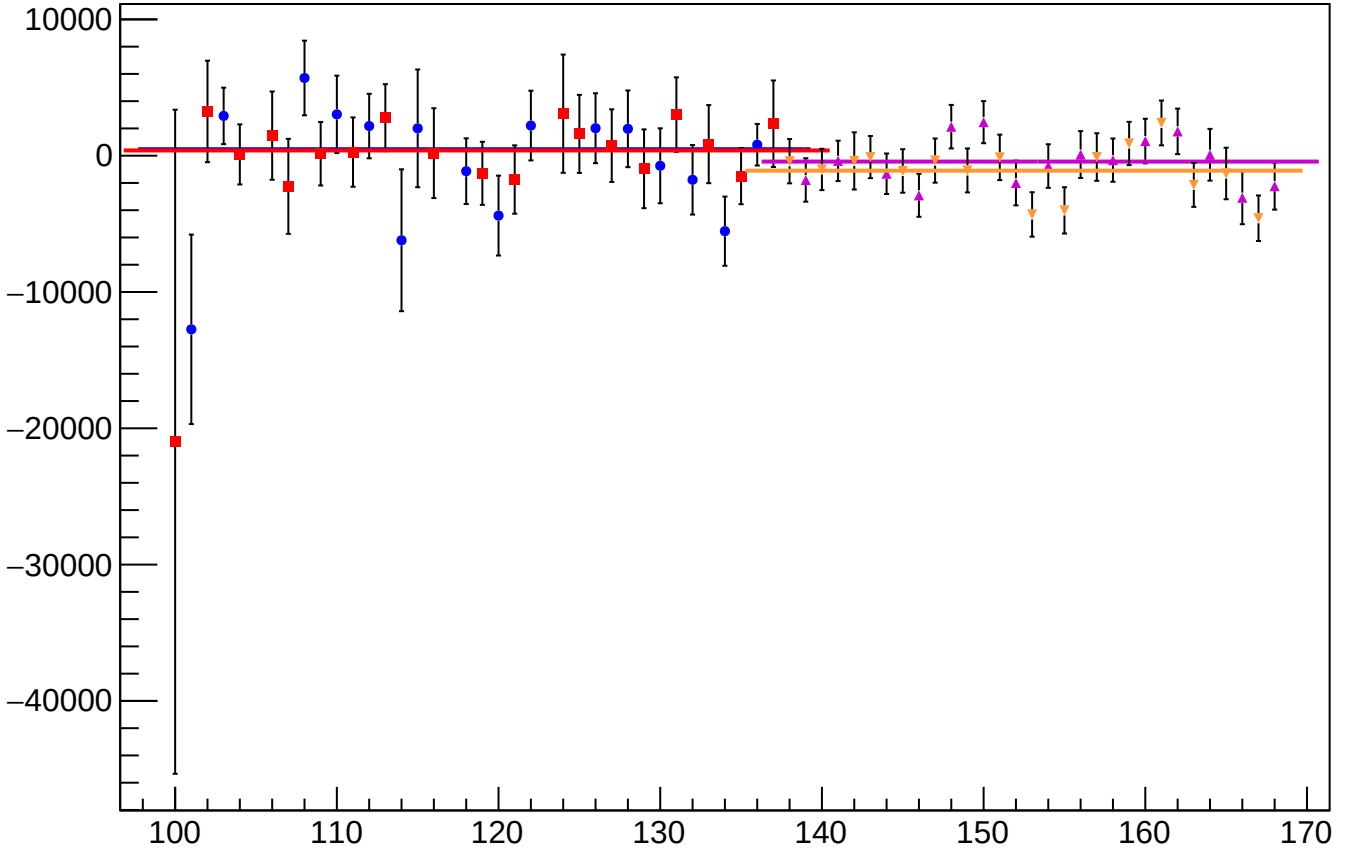
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 696.016+/-0.115 χ^2/NDF:2511605.9/30

Out: 668.139+/-0.110 χ^2/NDF:3128758.2/34

All: 681.473+/-0.080 χ^2/NDF: 5670955.8/65

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1099.085+/-414.584 χ^2/NDF:19.3/15

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -432.057+/-421.579 χ^2/NDF:16.3/14

Left: -771.151+/-295.597 χ^2/NDF: 36.9/30

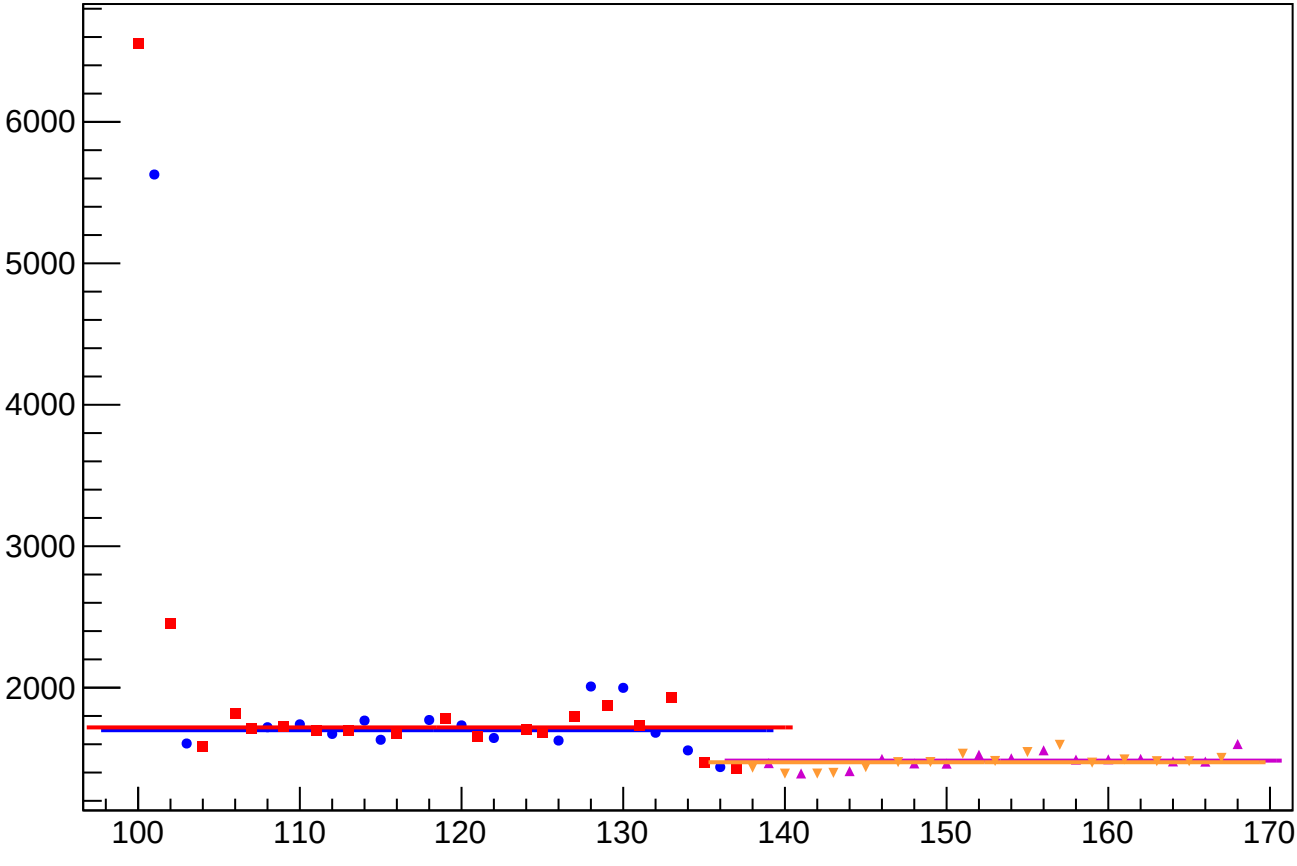
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -163.481+/-353.577 χ^2/NDF:40.4/30

Out: -662.388+/-348.276 χ^2/NDF:30.4/34

All: -416.703+/-248.121 χ^2/NDF: 71.7/65

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1472.784+/-0.293 χ^2/NDF:32588.1/15

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1484.321+/-0.298 χ^2/NDF:28127.1/14

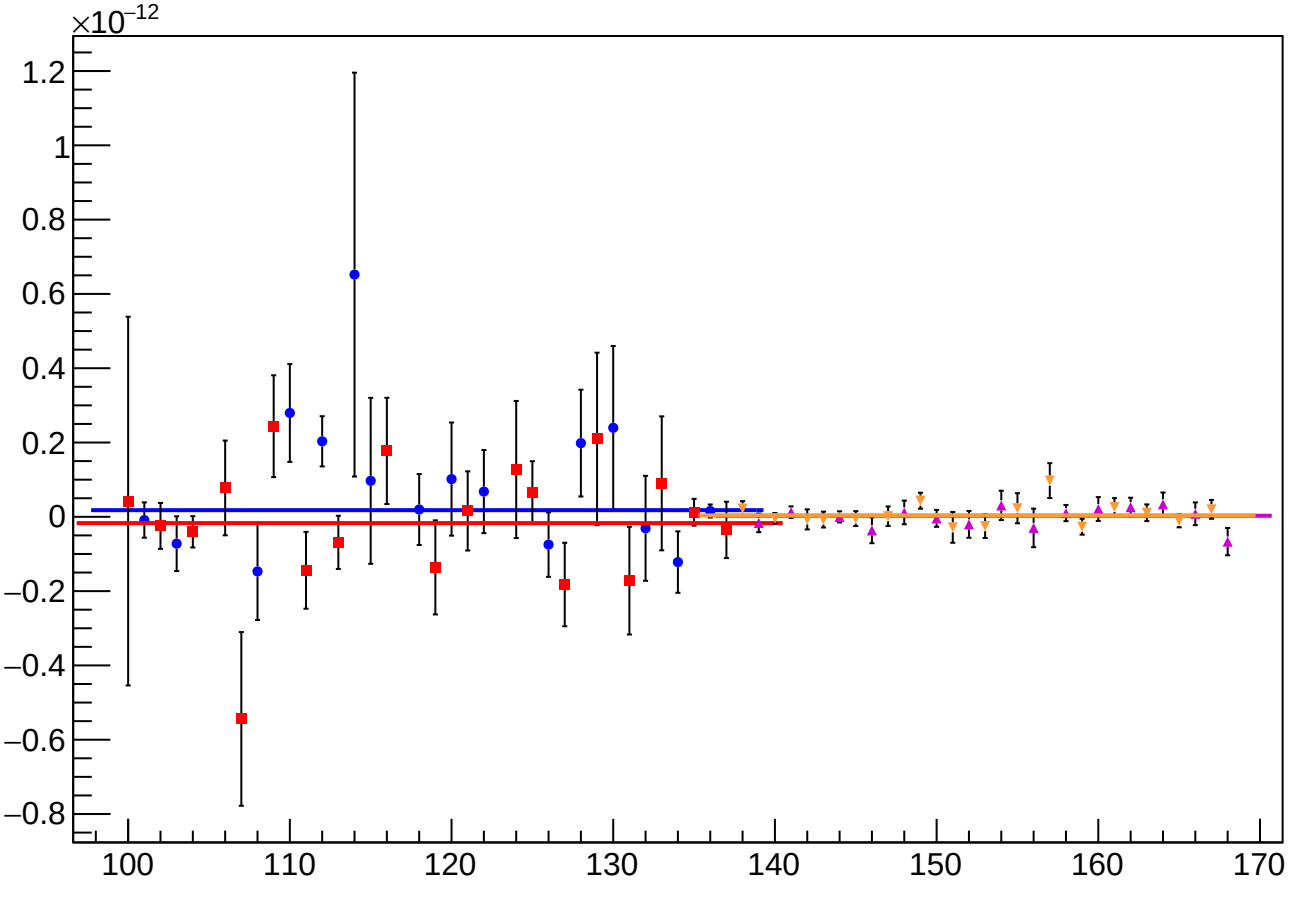
Left: 1478.456+/-0.209 χ^2/NDF: 61476.5/30

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1548.090+/-0.250 χ^2/NDF:944515.0/30

Out: 1545.275+/-0.246 χ^2/NDF:474111.2/34

All: 1546.661+/-0.175 χ^2/NDF: 1418690.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/14

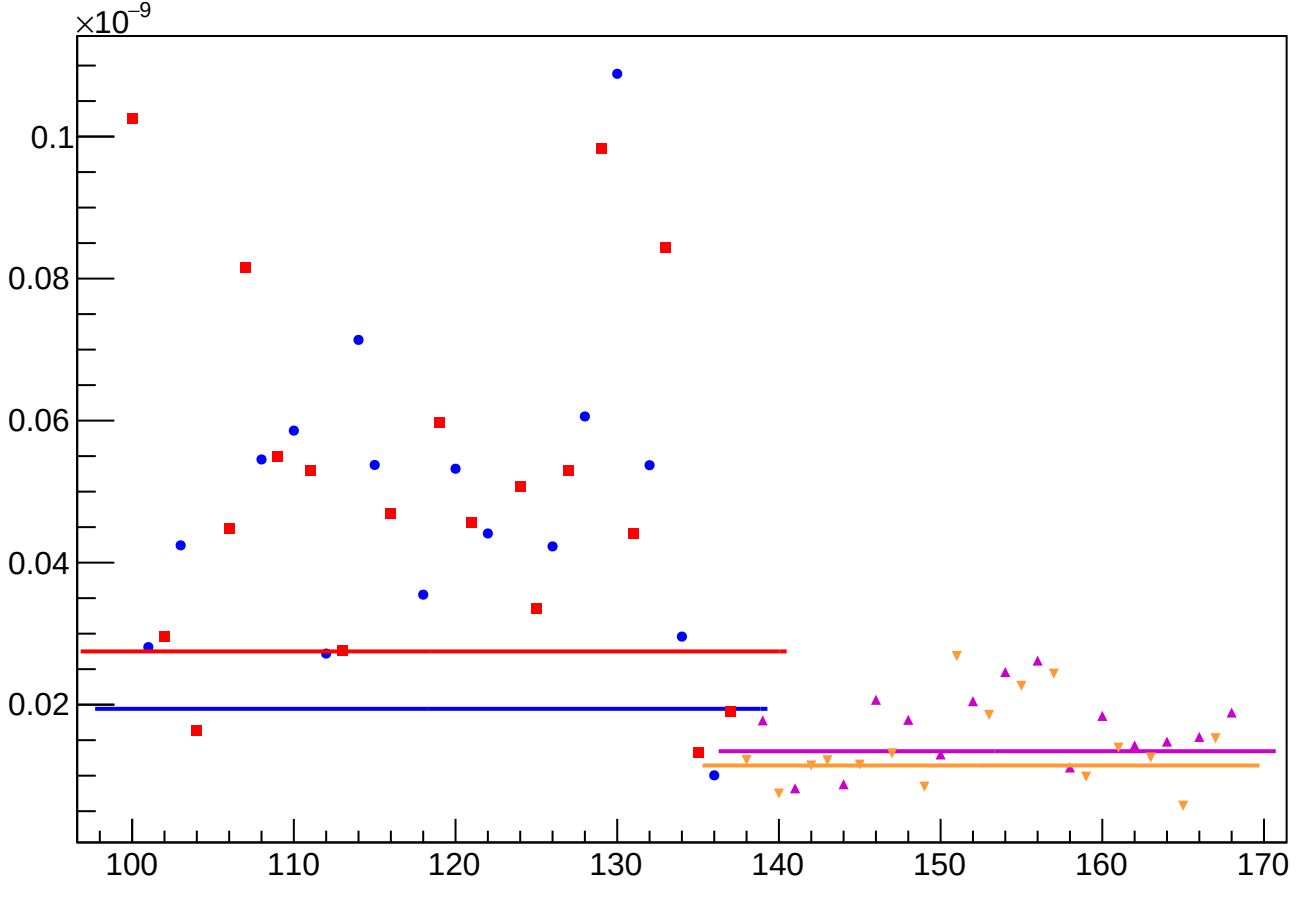
Left: 0.000+/-0.000 χ^2/NDF: 24.5/30

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:34.0/30

Out: 0.000+/-0.000 χ^2/NDF:37.3/34

All: 0.000+/-0.000 χ^2/NDF: 71.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177093.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1091272.0/14

Left: 0.000+/-0.000 χ^2/NDF: 2374516.9/30

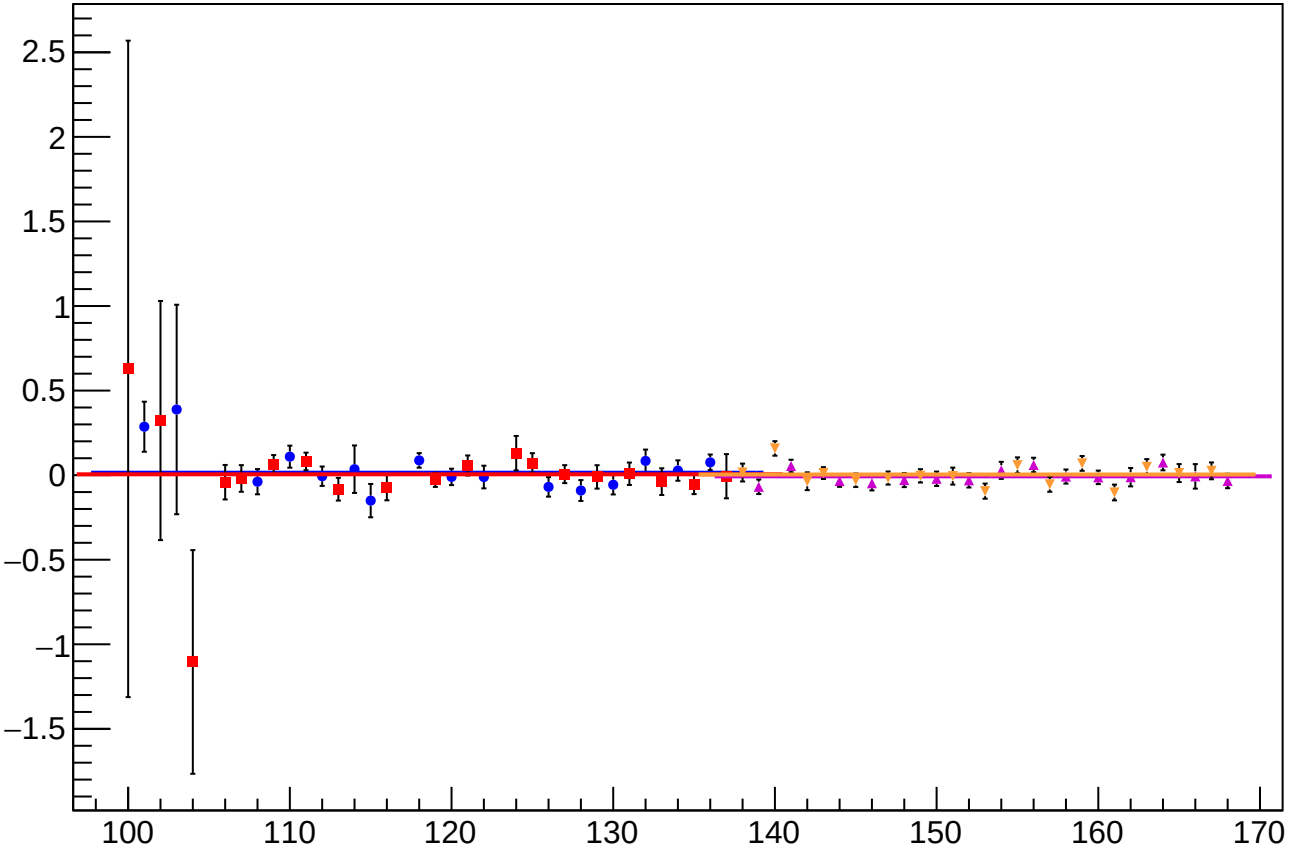
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3650934.8/30

Out: 0.000+/-0.000 χ^2/NDF:4124416.2/34

All: 0.000+/-0.000 χ^2/NDF: 7864496.5/65

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.011 χ^2/NDF:13.6/14

Left: -0.002+/-0.008 χ^2/NDF: 45.4/30

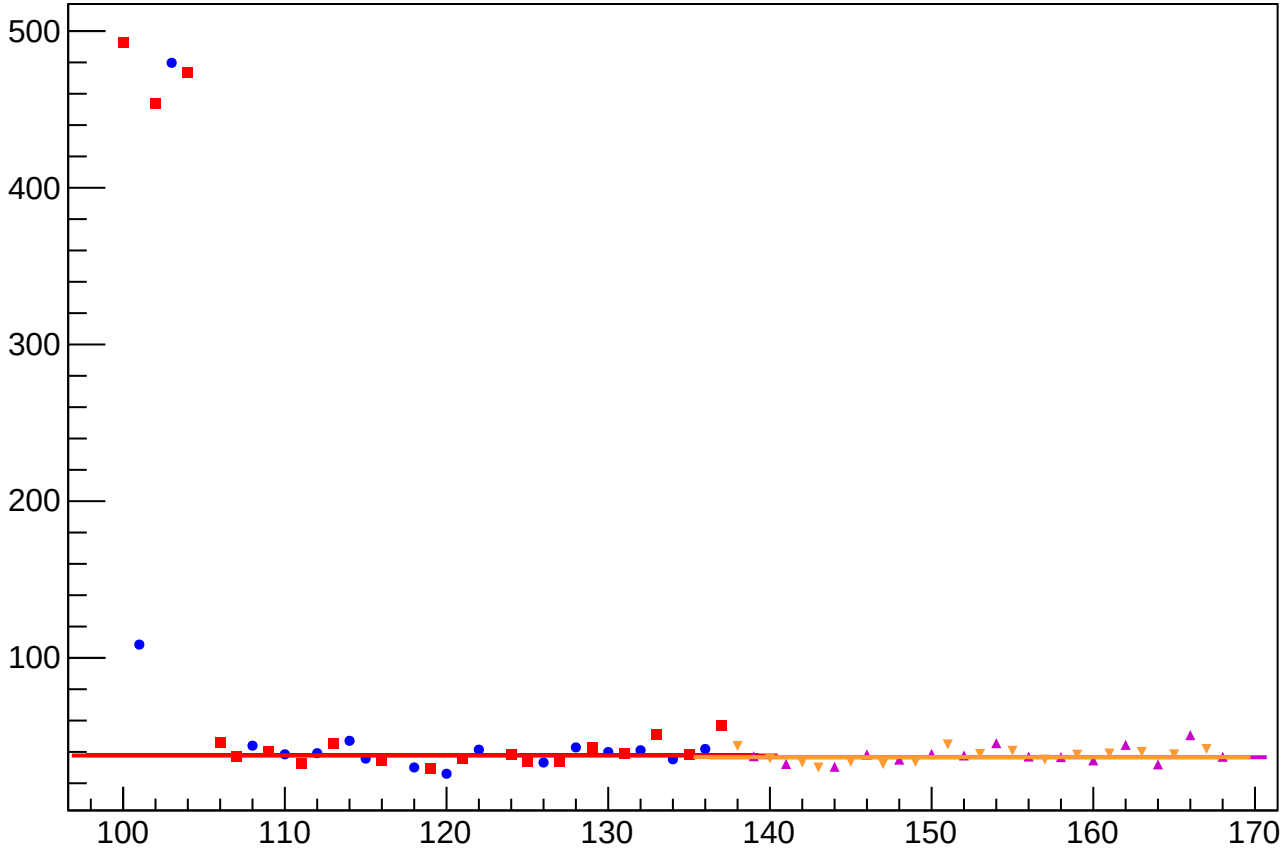
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/30

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.002+/-0.006 χ^2/NDF: 83.1/65

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.663+/-0.008 χ^2/NDF:283433.4/15

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.608+/-0.008 χ^2/NDF:308149.2/14

Left: 36.636+/-0.006 χ^2/NDF: 591607.6/30

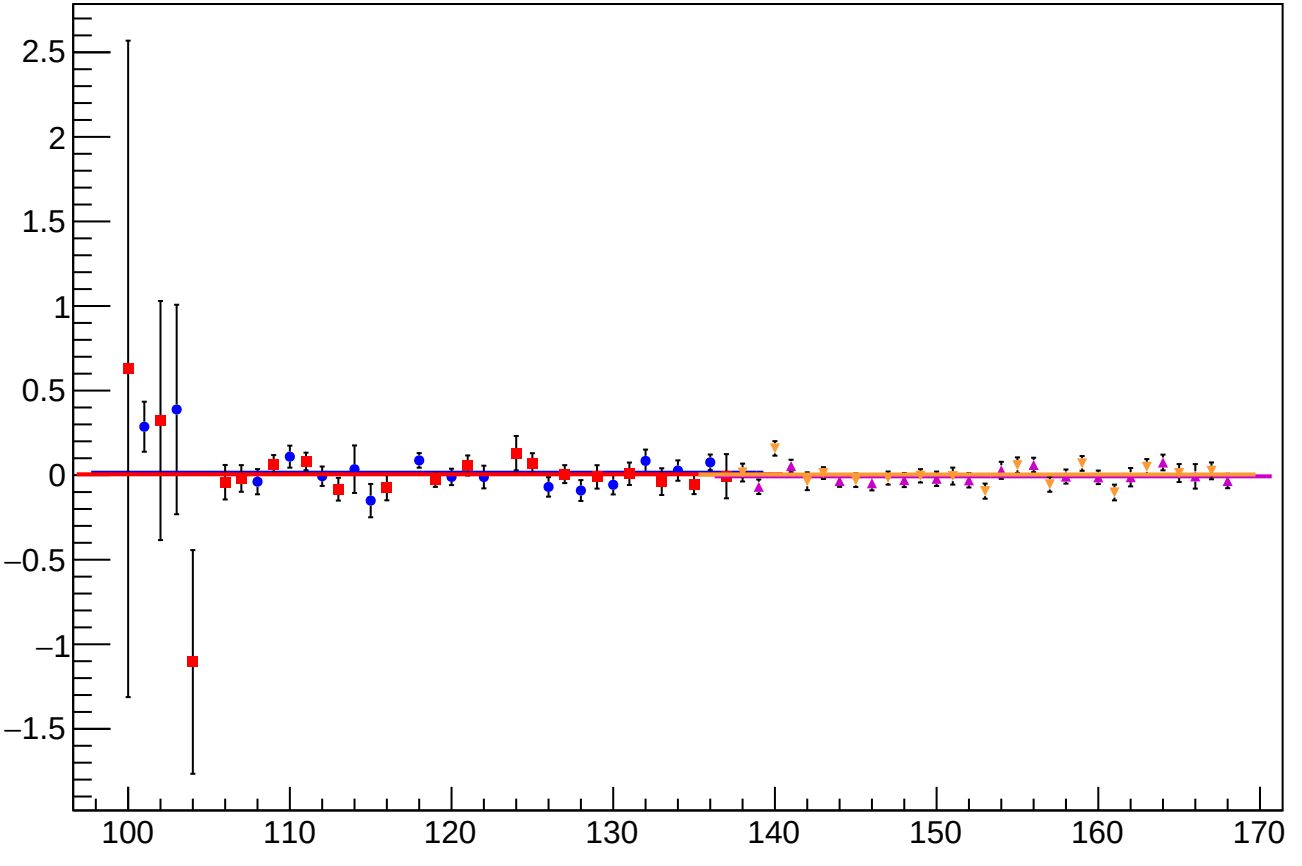
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.047+/-0.006 χ^2/NDF:2057230.4/30

Out: 36.998+/-0.006 χ^2/NDF:2233911.2/34

All: 37.023+/-0.005 χ^2/NDF: 4291170.9/65

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.011 χ^2/NDF:13.6/14

Left: -0.002+/-0.008 χ^2/NDF: 45.4/30

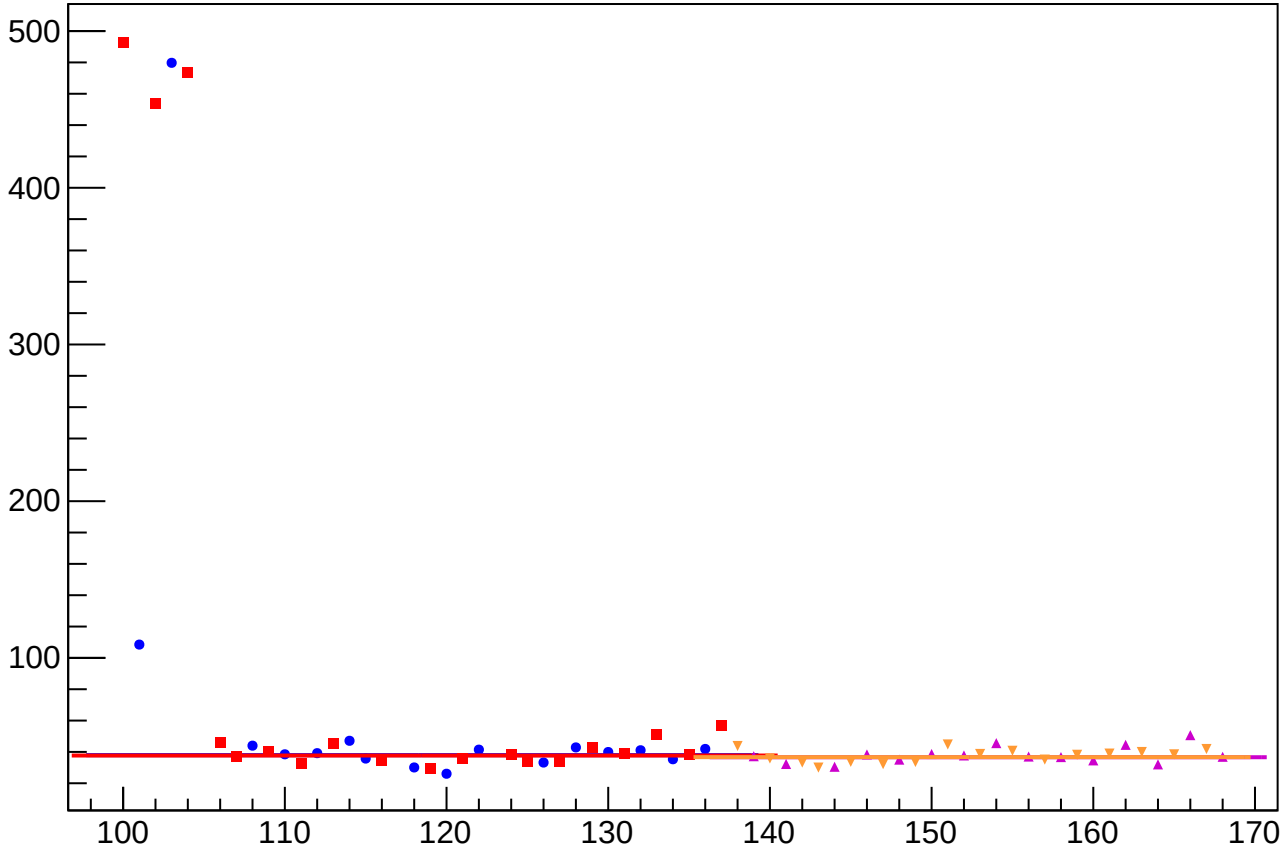
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/30

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.002+/-0.006 χ^2/NDF: 83.1/65

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: 36.663+/-0.008 χ^2/NDF:283433.4/15

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.608+/-0.008 χ^2/NDF:308149.2/14

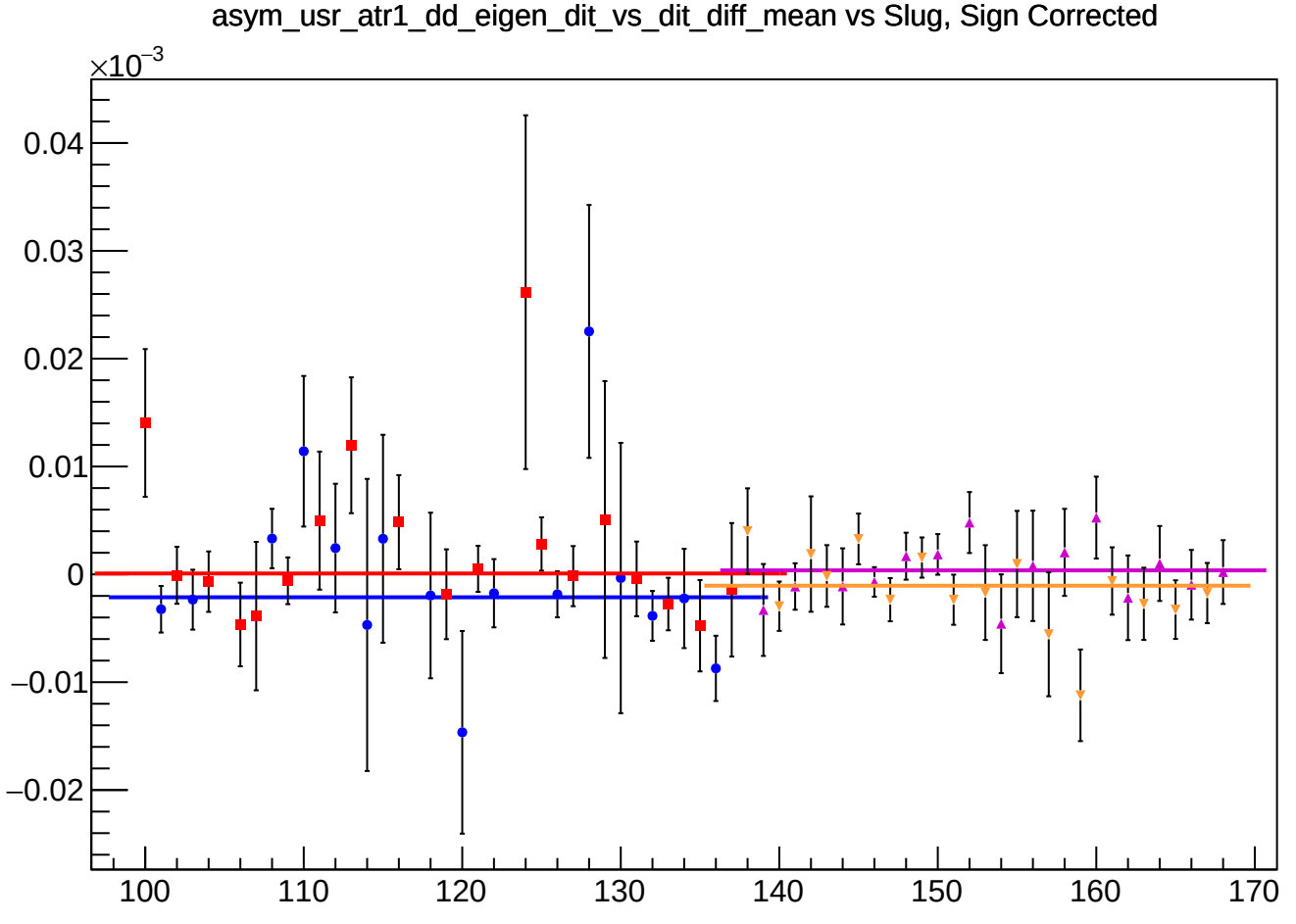
Left: 36.636+/-0.006 χ^2/NDF: 591607.6/30

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.047+/-0.006 χ^2/NDF:2057230.4/30

Out: 36.998+/-0.006 χ^2/NDF:2233911.2/34

All: 37.023+/-0.005 χ^2/NDF: 4291170.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/14

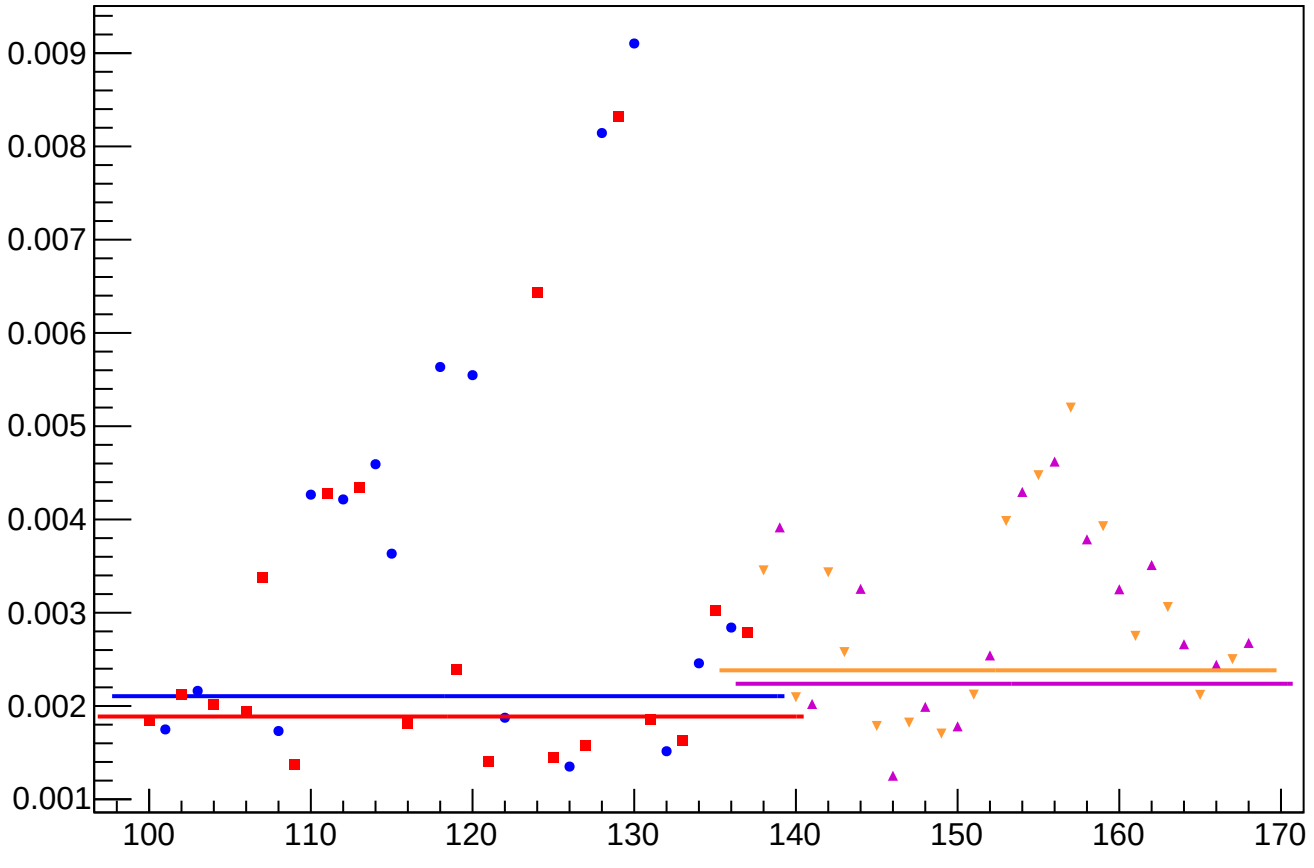
Left: -0.000+/-0.000 χ^2/NDF: 27.5/30

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

In: -0.000+/-0.000 χ^2/NDF:34.3/30

Out: -0.000+/-0.000 χ^2/NDF:35.8/34

All: -0.000+/-0.000 χ^2/NDF: 70.2/65



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2342400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3266205.8/14

Left: 0.002+/-0.000 χ^2/NDF: 5650367.6/30

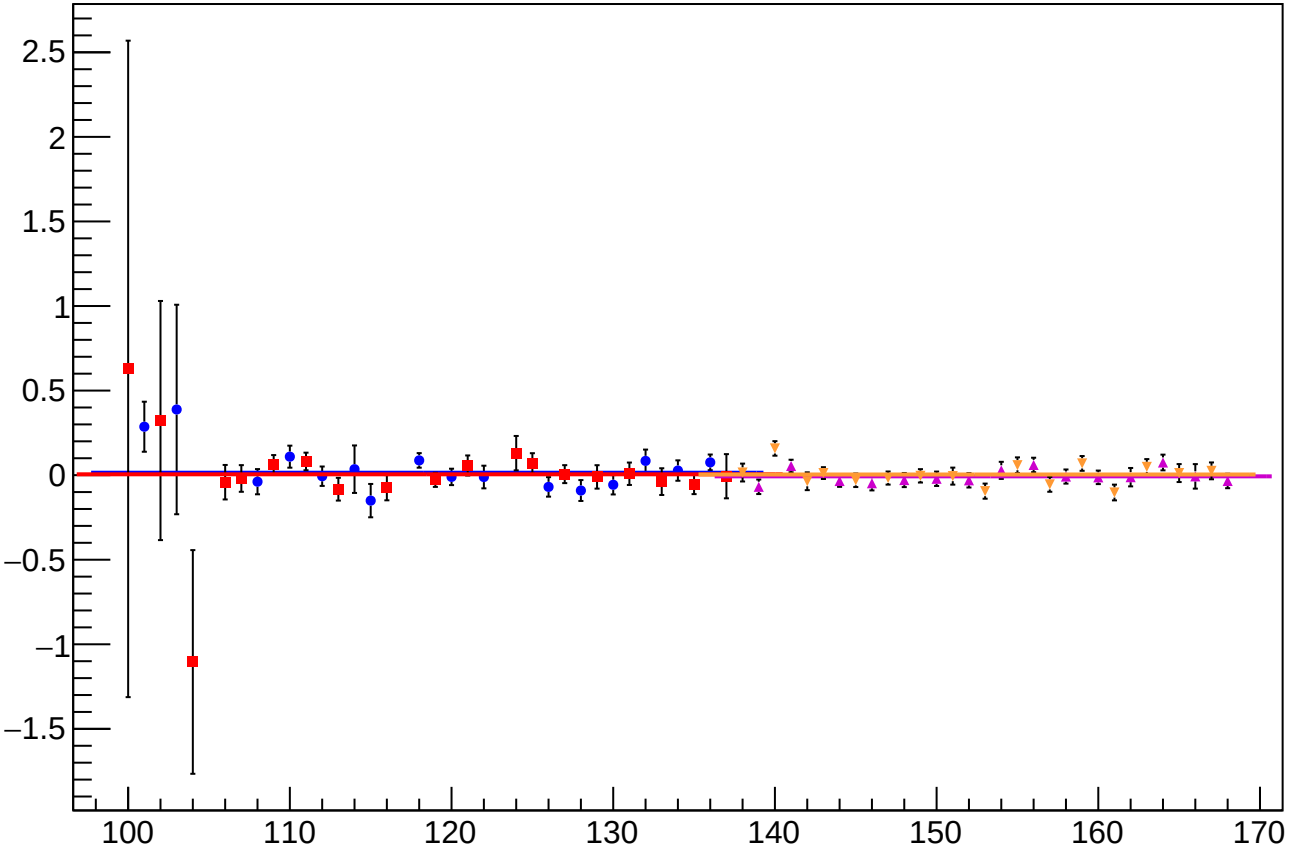
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6311414.7/30

Out: 0.002+/-0.000 χ^2/NDF:4666587.7/34

All: 0.002+/-0.000 χ^2/NDF: 10981051.6/65

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.011 χ^2/NDF:13.6/14

Left: -0.002+/-0.008 χ^2/NDF: 45.4/30

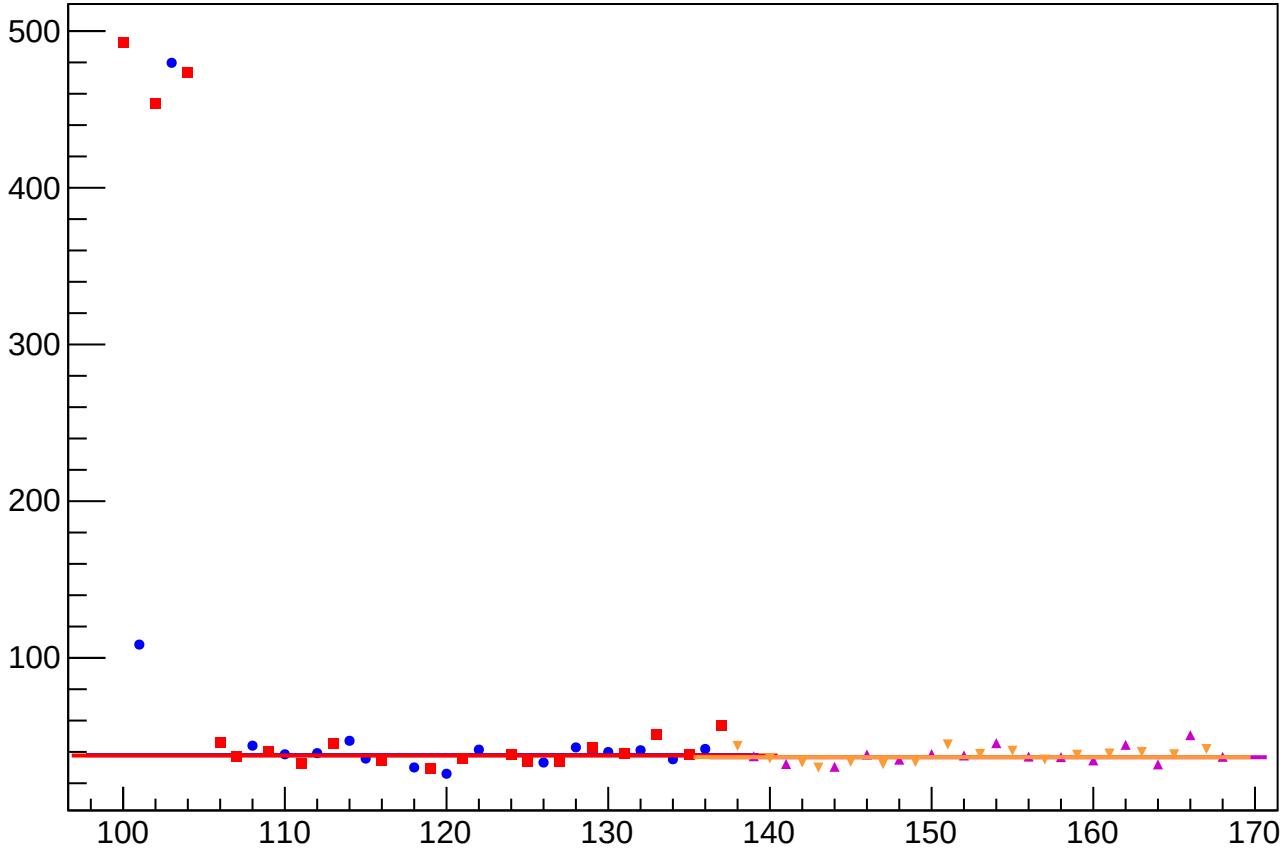
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/30

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.002+/-0.006 χ^2/NDF: 83.1/65

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.663+/-0.008 χ^2/NDF:283482.7/15

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.607+/-0.008 χ^2/NDF:308184.9/14

Left: 36.635+/-0.006 χ^2/NDF: 591692.8/30

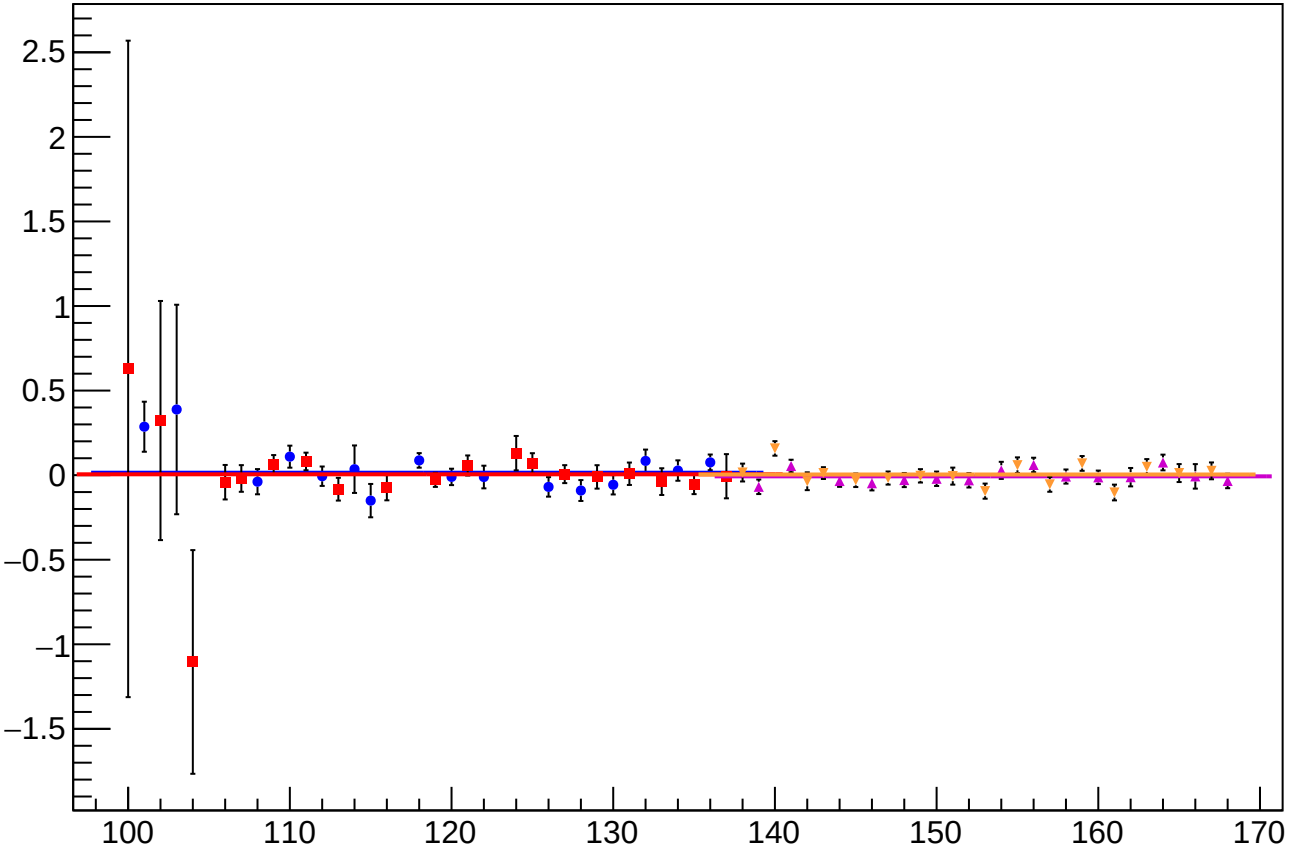
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.047+/-0.006 χ^2/NDF:2057275.7/30

Out: 36.997+/-0.006 χ^2/NDF:2234026.0/34

All: 37.022+/-0.005 χ^2/NDF: 4291331.1/65

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: 0.004+/-0.011 χ^2/NDF:31.3/15

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.011 χ^2/NDF:13.6/14

Left: -0.002+/-0.008 χ^2/NDF: 45.4/30

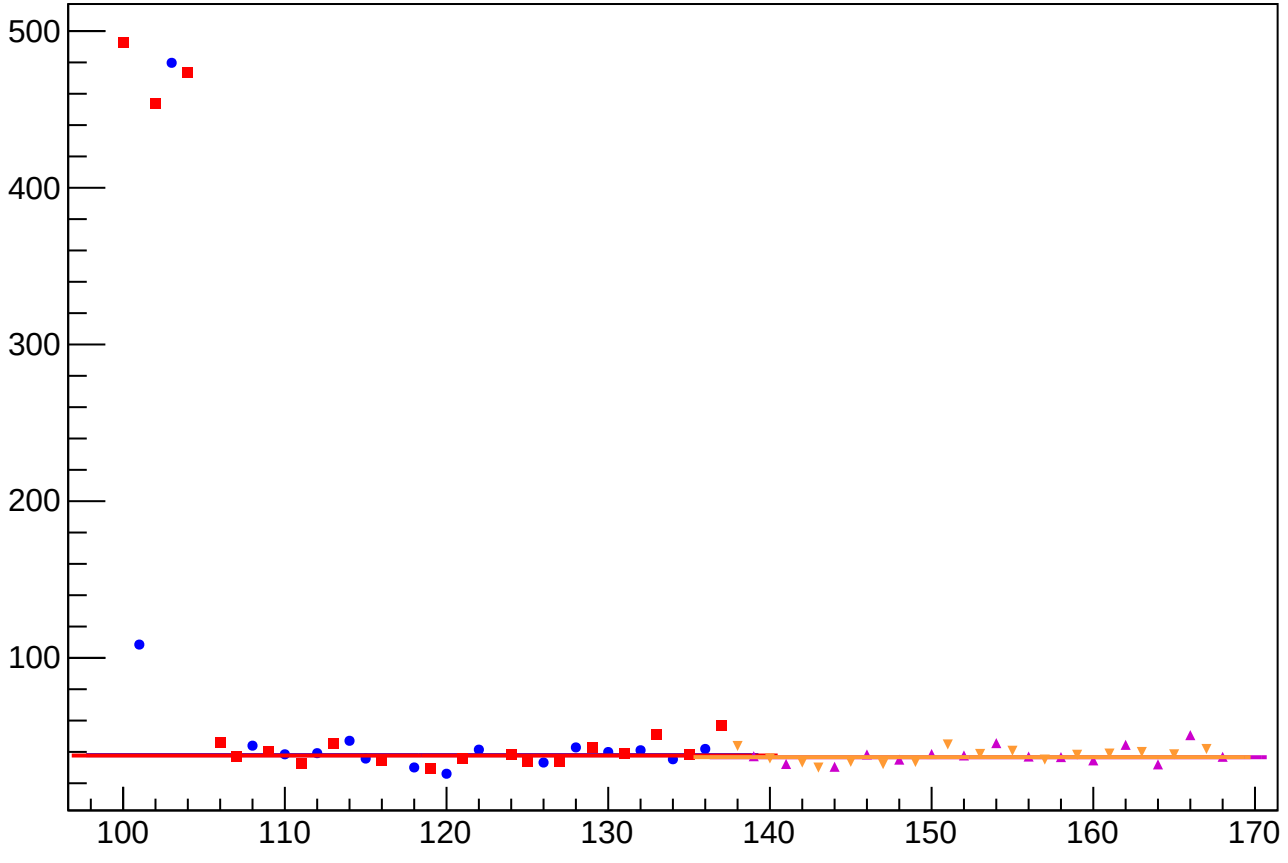
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/30

Out: 0.004+/-0.009 χ^2/NDF:46.2/34

All: 0.002+/-0.006 χ^2/NDF: 83.1/65

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: 36.663+/-0.008 χ^2/NDF:283482.7/15

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.607+/-0.008 χ^2/NDF:308184.9/14

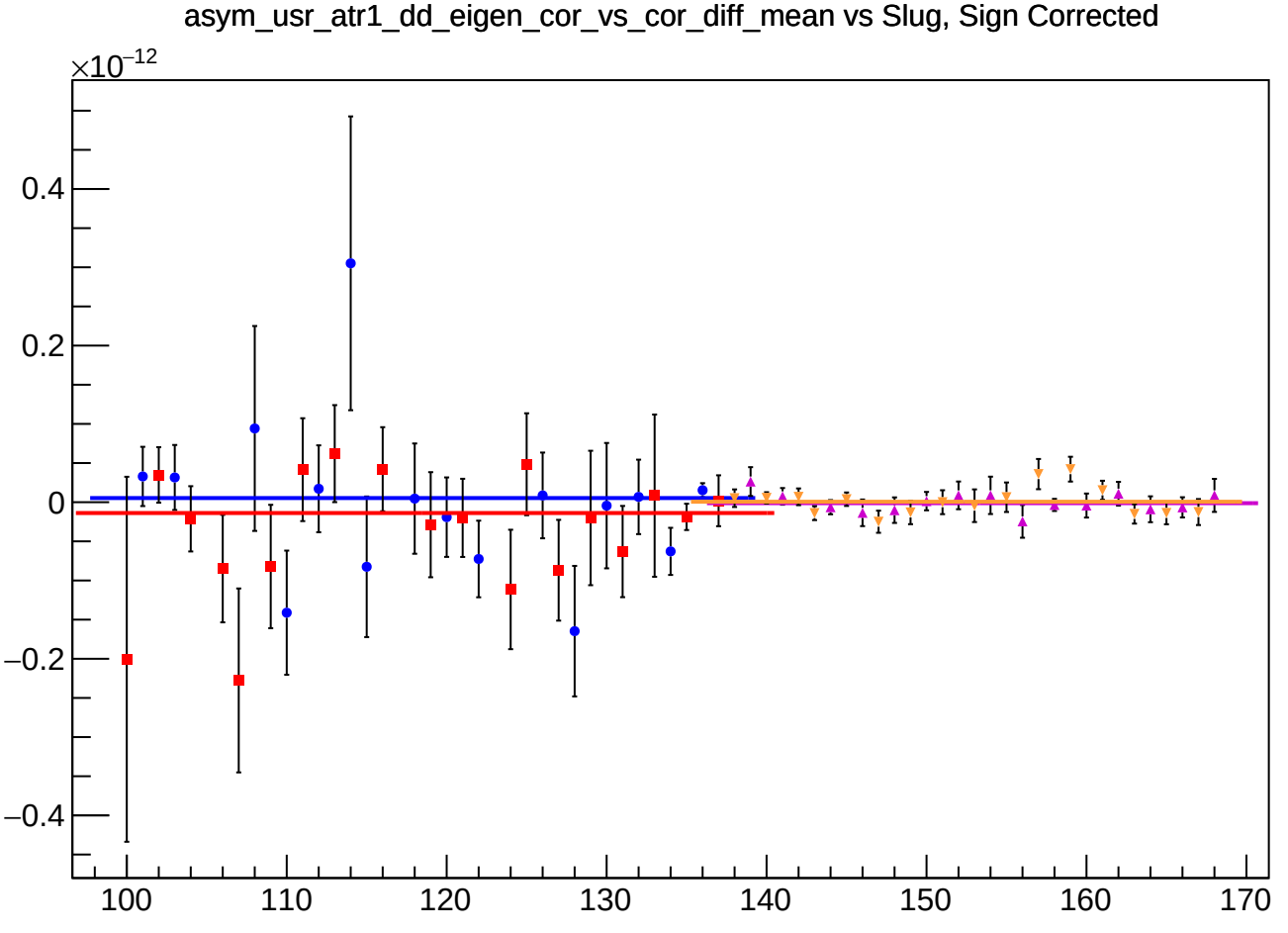
Left: 36.635+/-0.006 χ^2/NDF: 591692.8/30

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.047+/-0.006 χ^2/NDF:2057275.7/30

Out: 36.997+/-0.006 χ^2/NDF:2234026.0/34

All: 37.022+/-0.005 χ^2/NDF: 4291331.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/14

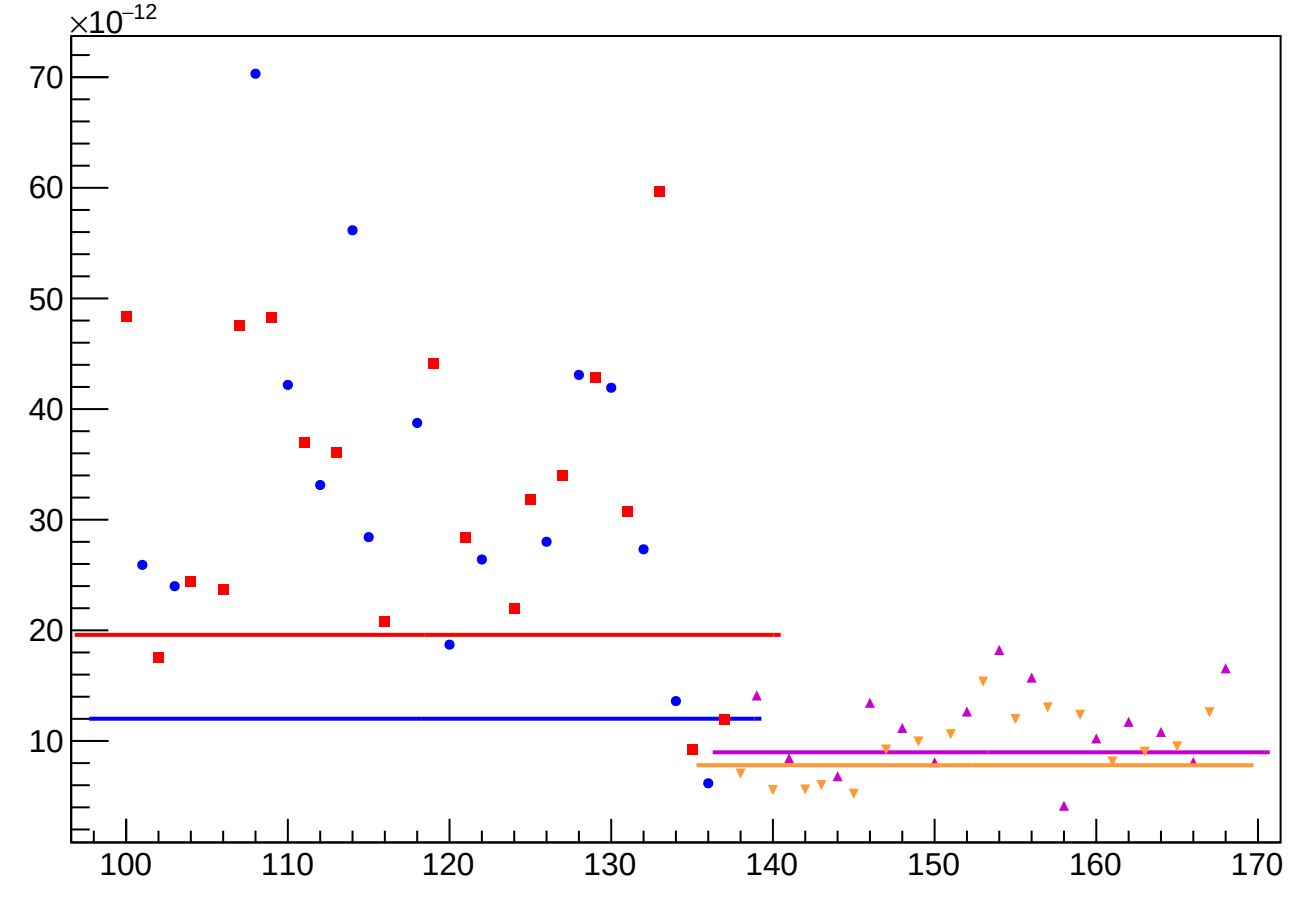
Left: -0.000+/-0.000 χ^2/NDF: 30.3/30

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:29.5/30

Out: -0.000+/-0.000 χ^2/NDF:40.6/34

All: -0.000+/-0.000 χ^2/NDF: 70.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1565366.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2211098.9/14

Left: 0.000+/-0.000 χ^2/NDF: 3904900.1/30

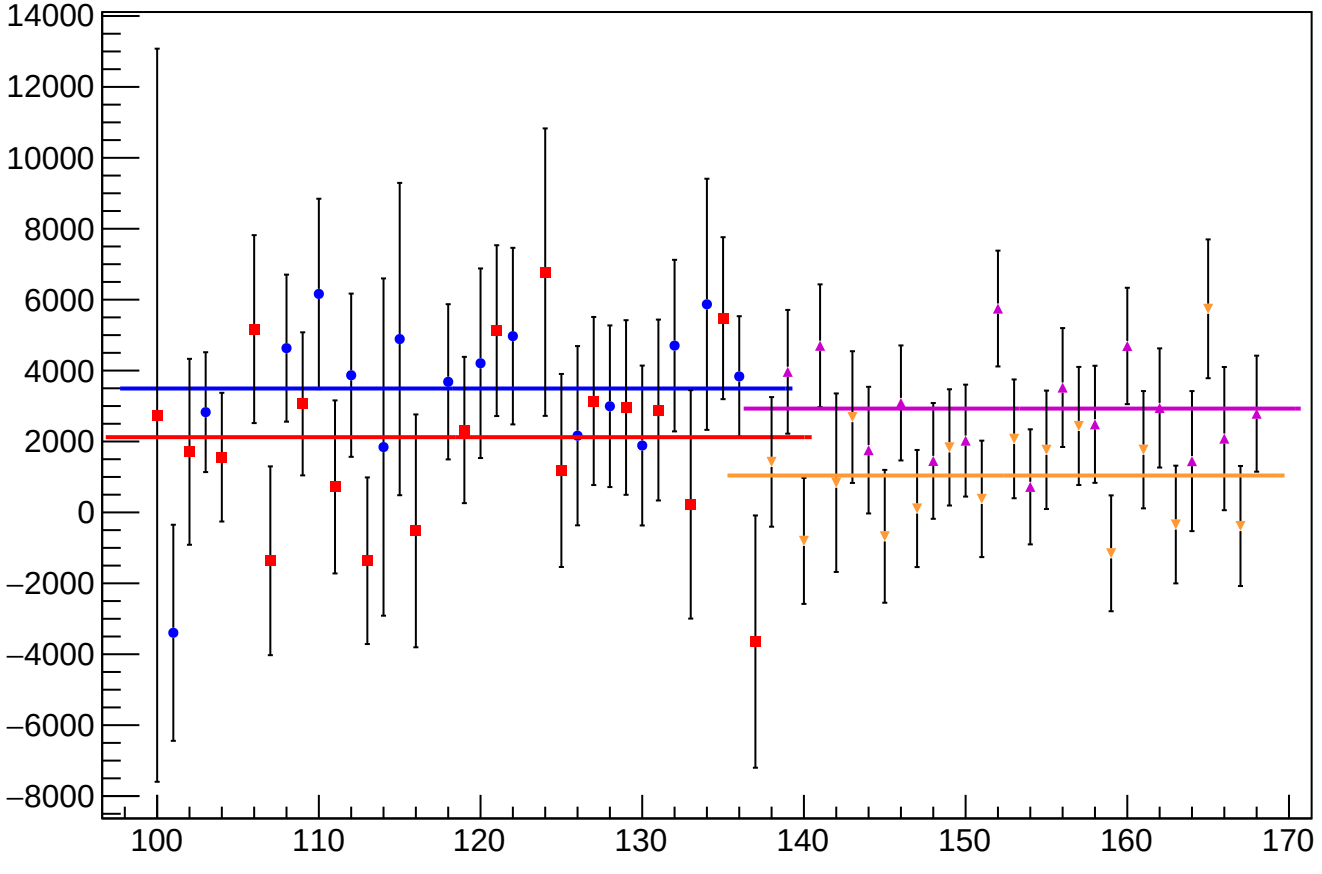
Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6346515.0/30

Out: 0.000+/-0.000 χ^2/NDF:6485508.5/34

All: 0.000+/-0.000 χ^2/NDF: 12901667.3/65

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1041.038+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2927.908+/-438.106 χ^2/NDF:9.9/14

Left: 1981.206+/-309.250 χ^2/NDF: 33.1/30

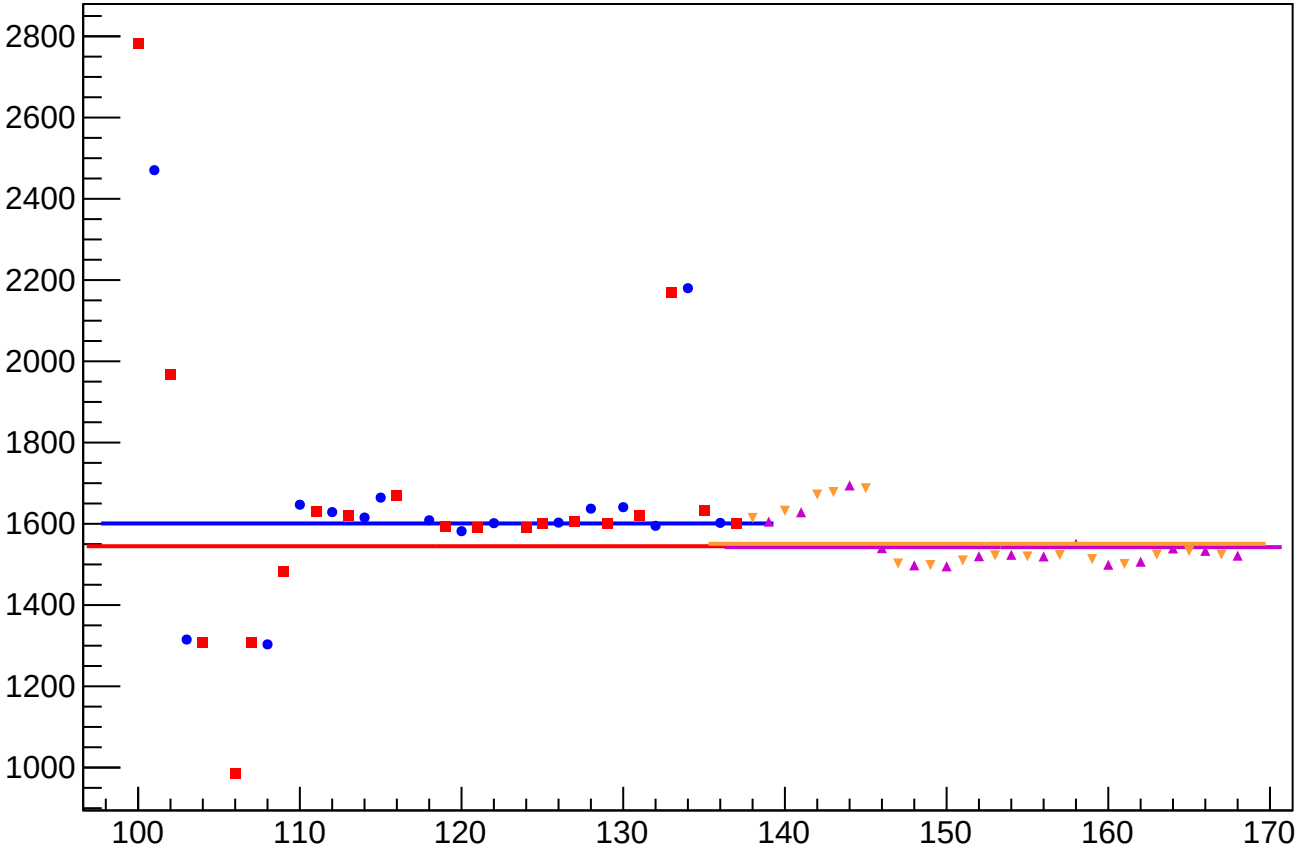
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3124.393+/-354.065 χ^2/NDF:19.3/30

Out: 1425.416+/-350.449 χ^2/NDF:31.2/34

All: 2266.184+/-249.073 χ^2/NDF: 62.1/65

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

Left: 1546.724+/-0.219 χ^2/NDF: 71582.8/30

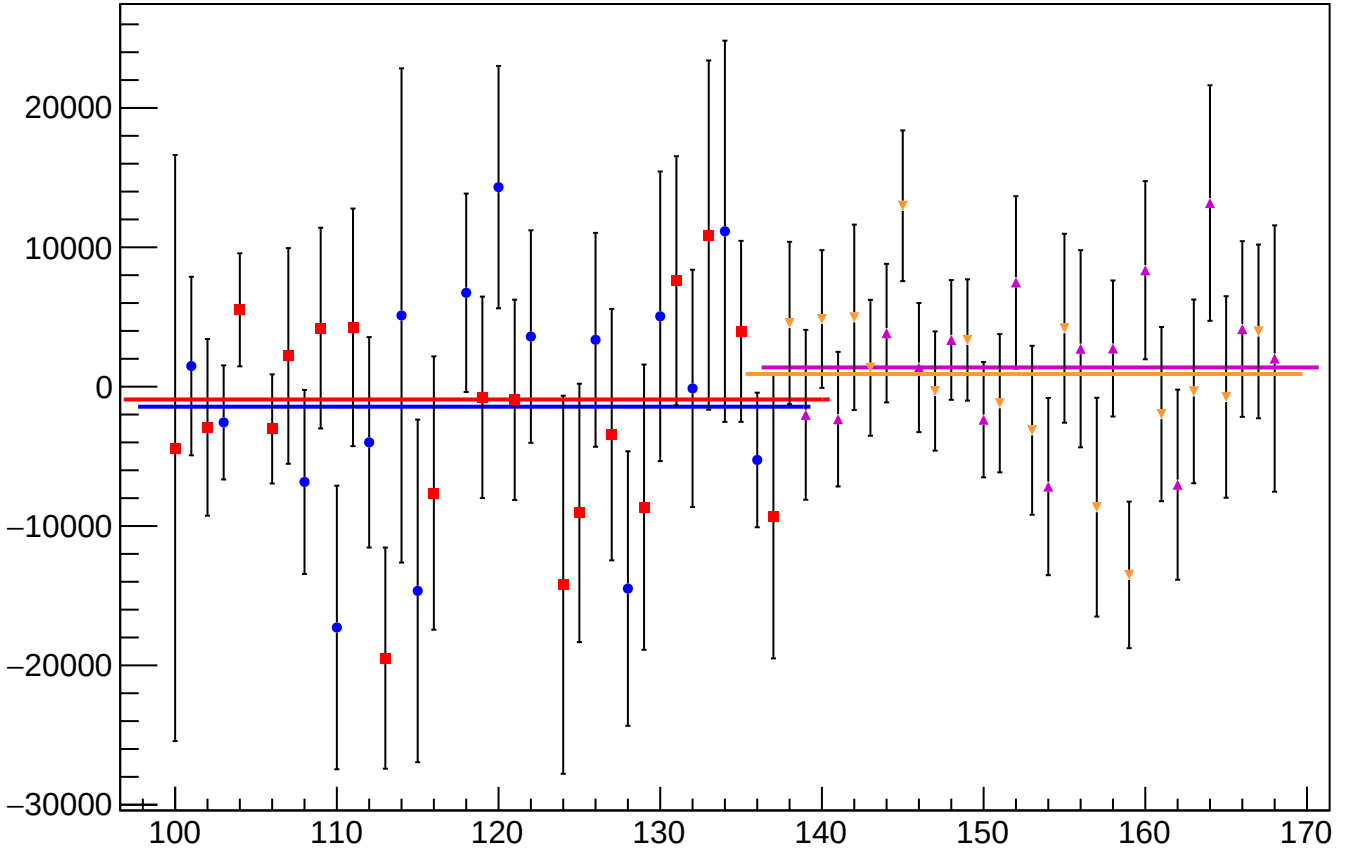
Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1562.820+/-0.250 χ^2/NDF:358722.4/30

Out: 1548.629+/-0.246 χ^2/NDF:418460.0/34

All: 1555.609+/-0.176 χ^2/NDF: 778814.9/65

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 906.537+/-1397.459 χ^2/NDF:17.2/15

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1379.570+/-1445.866 χ^2/NDF:9.9/14

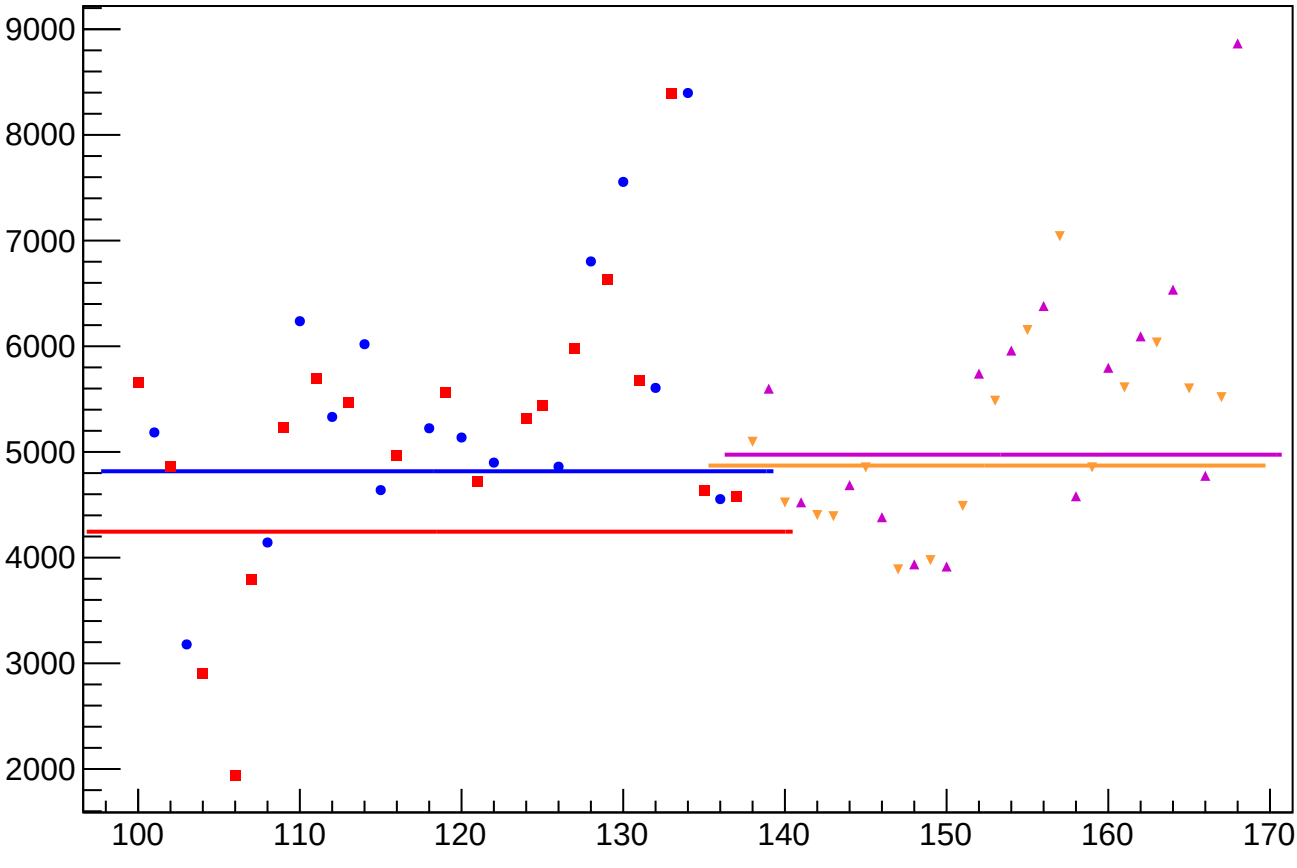
Left: 1135.003+/-1004.830 χ^2/NDF: 27.2/30

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

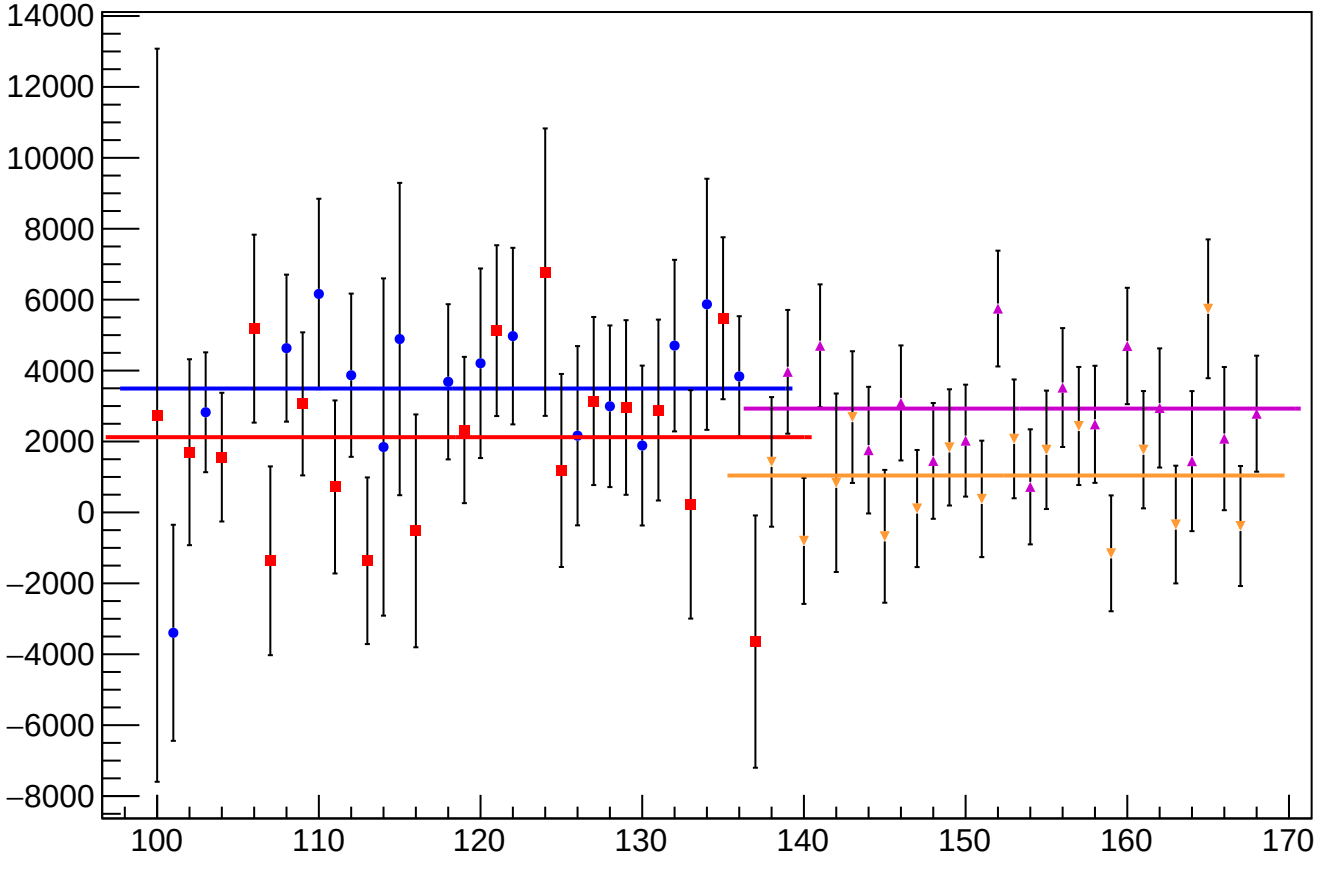
In: 310.259+/-1138.812 χ^2/NDF:25.2/30

Out: 154.525+/-1071.536 χ^2/NDF:33.2/34

All: 227.657+/-780.391 χ^2/NDF: 58.5/65


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4871.296+/-0.988 χ²/NDF:621250.4/15
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4974.264+/-1.022 χ²/NDF:984943.8/14
Left: 4921.028+/-0.711 χ²/NDF: 1611438.5/30
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4914.692+/-0.805 χ²/NDF:1789318.3/30
Out: 4613.447+/-0.758 χ²/NDF:2469654.5/34
All: 4754.909+/-0.552 χ²/NDF: 4333202.4/65

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2927.903+/-438.106 χ^2/NDF:9.9/14

Left: 1981.126+/-309.250 χ^2/NDF: 33.1/30

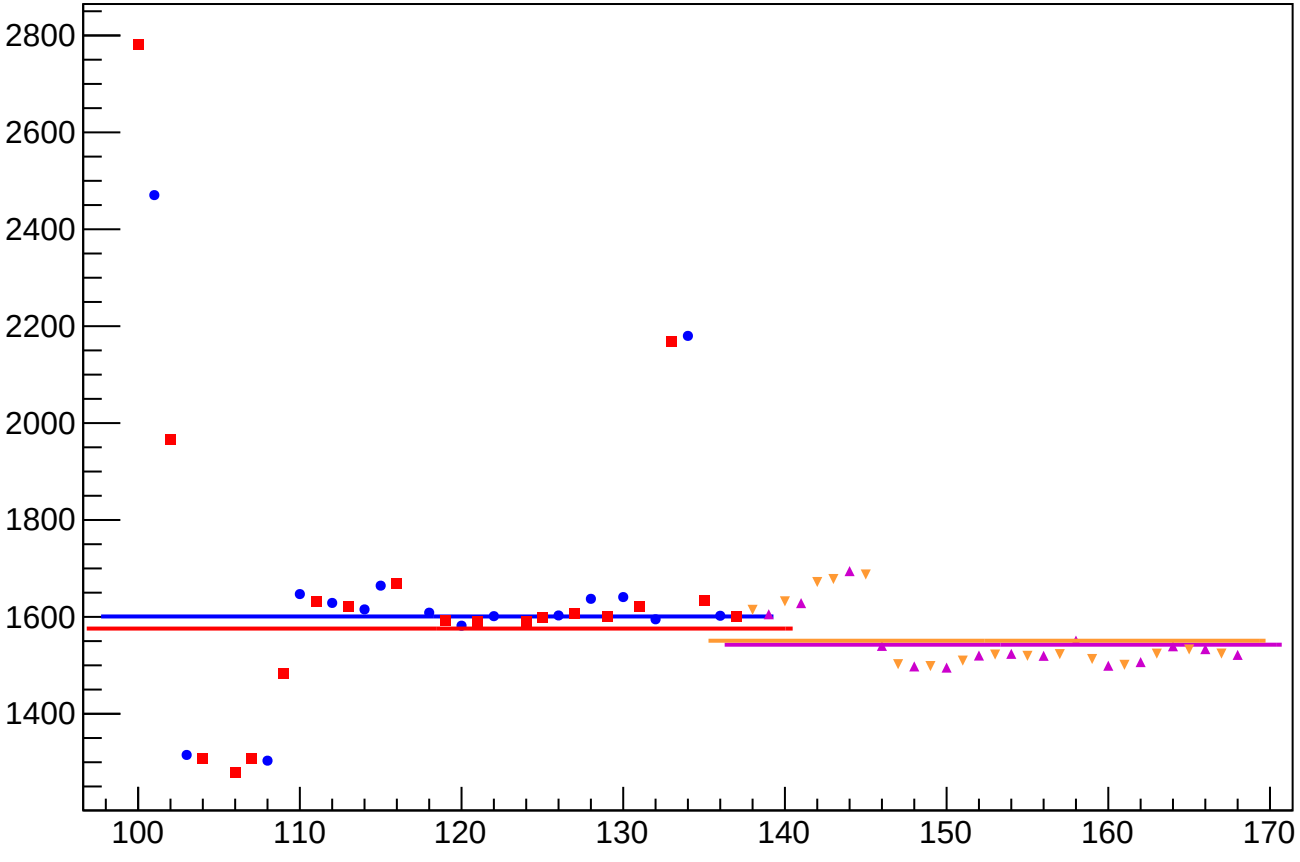
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3124.273+/-354.065 χ^2/NDF:19.3/30

Out: 1425.312+/-350.450 χ^2/NDF:31.2/34

All: 2266.074+/-249.074 χ^2/NDF: 62.1/65

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

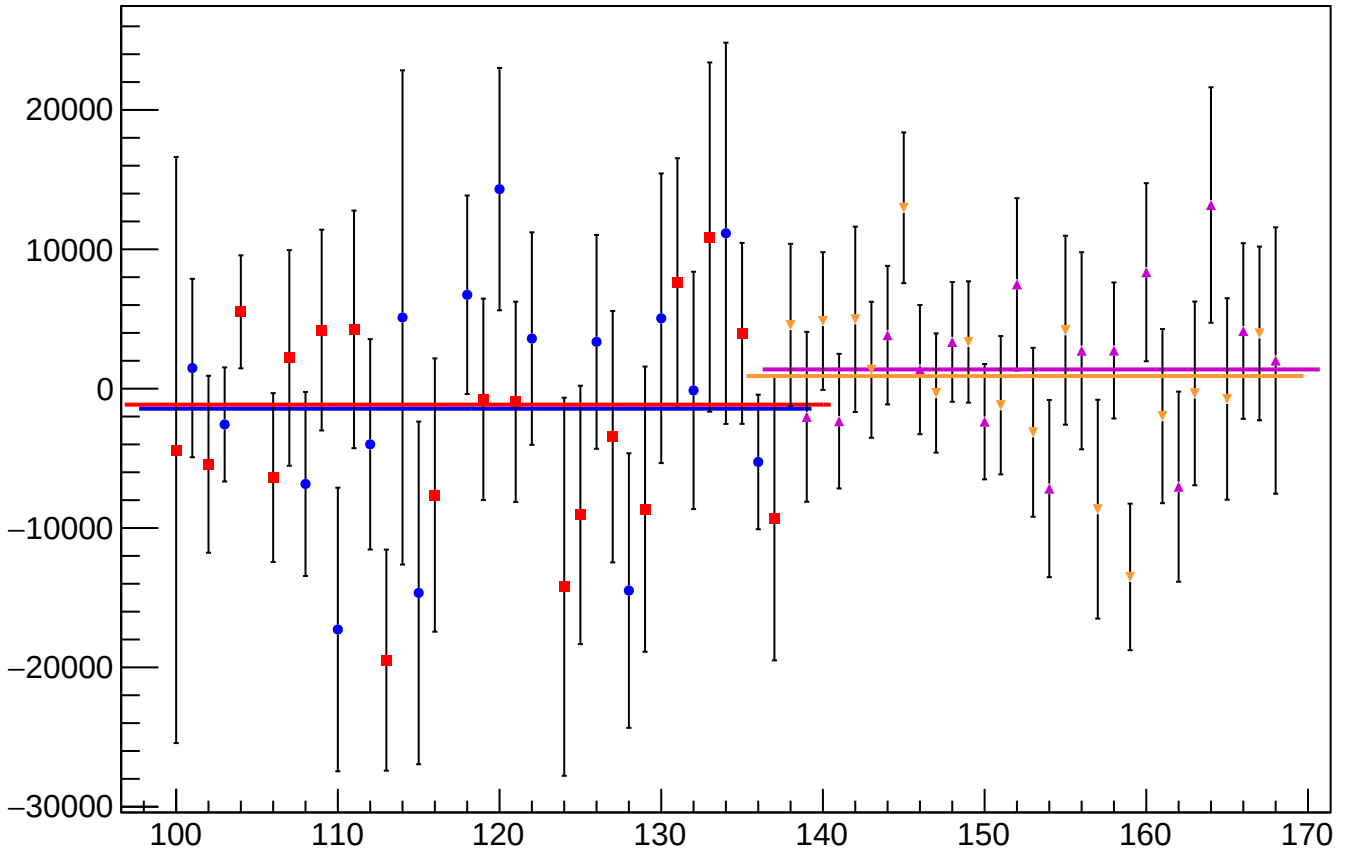
Left: 1546.724+/-0.219 χ^2/NDF: 71582.8/30

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1562.820+/-0.250 χ^2/NDF:358721.6/30

Out: 1559.780+/-0.247 χ^2/NDF:287888.4/34

All: 1561.282+/-0.176 χ^2/NDF: 646684.7/65



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1379.668+/-1445.866 χ^2/NDF:9.9/14

Left: 1135.034+/-1004.829 χ^2/NDF: 27.2/30

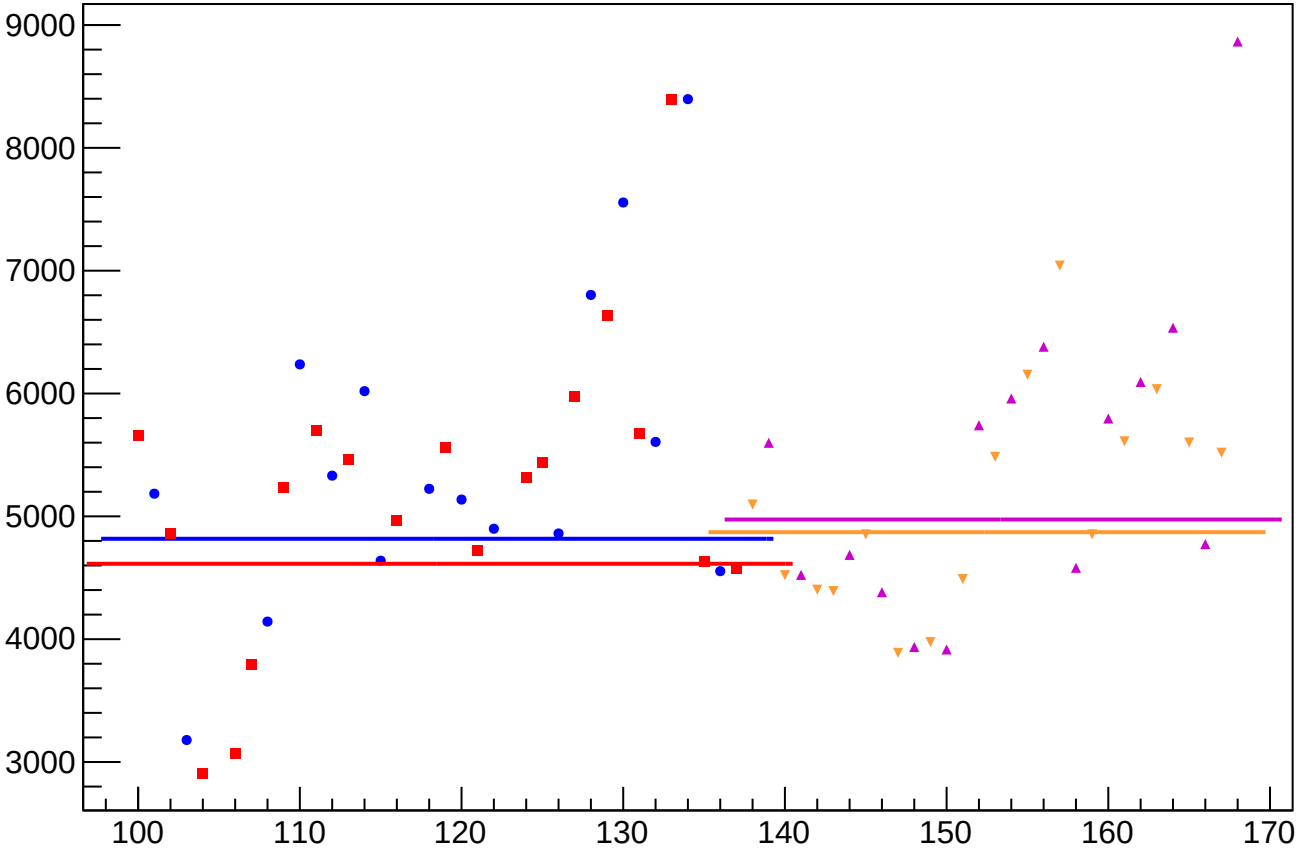
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 310.254+/-1138.821 χ^2/NDF:25.2/30

Out: 115.764+/-1095.712 χ^2/NDF:34.3/34

All: 209.258+/-789.586 χ^2/NDF: 59.5/65

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF:621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4974.264+/-1.022 χ^2/NDF:984944.5/14

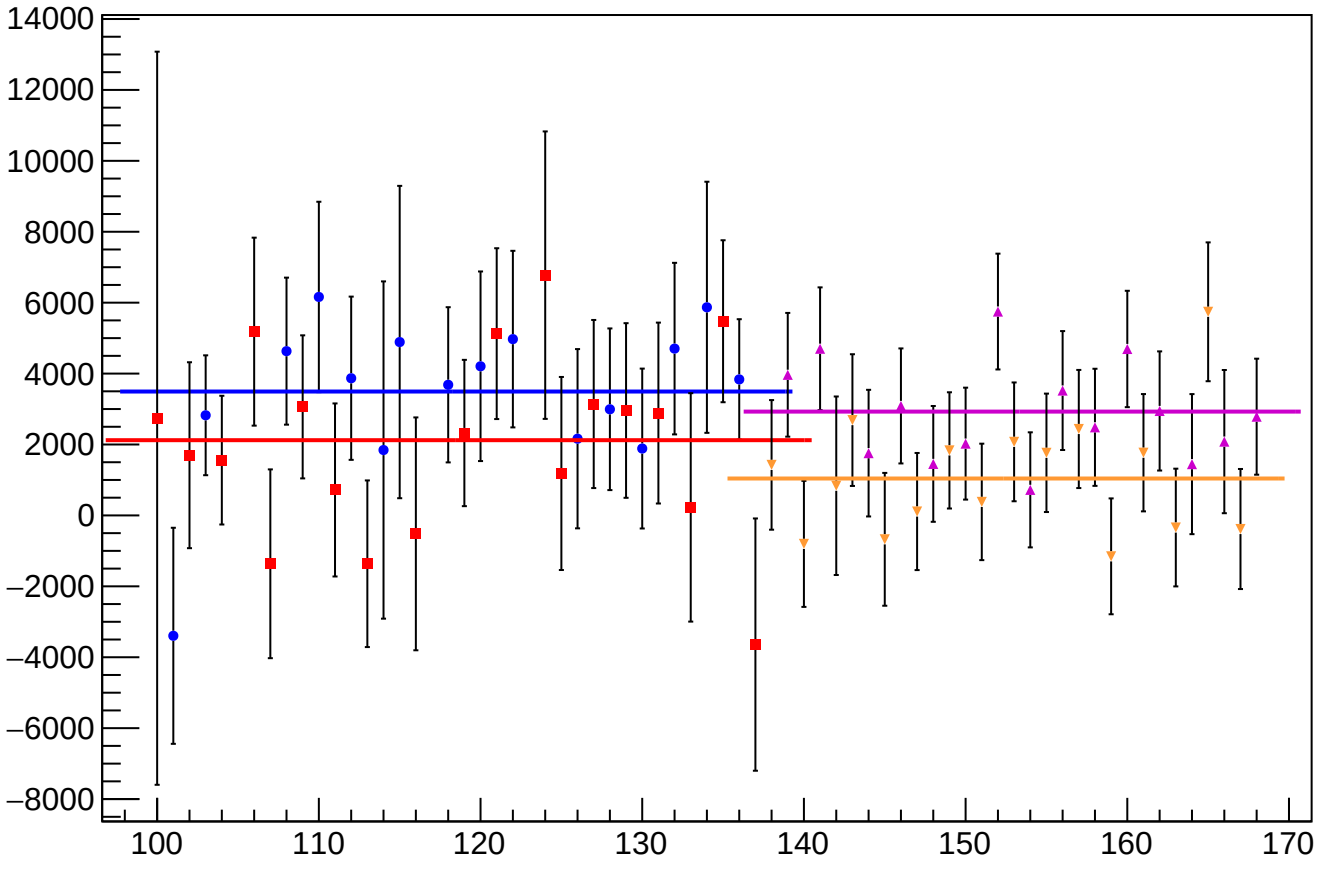
Left: 4921.022+/-0.711 χ^2/NDF: 1611447.2/30

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4914.745+/-0.805 χ^2/NDF:1789105.4/30

Out: 4772.115+/-0.775 χ^2/NDF:1625361.2/34

All: 4840.679+/-0.558 χ^2/NDF: 3430757.6/65



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1040.885+/-436.591 χ^2/NDF:13.9/15

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2927.903+/-438.106 χ^2/NDF:9.9/14

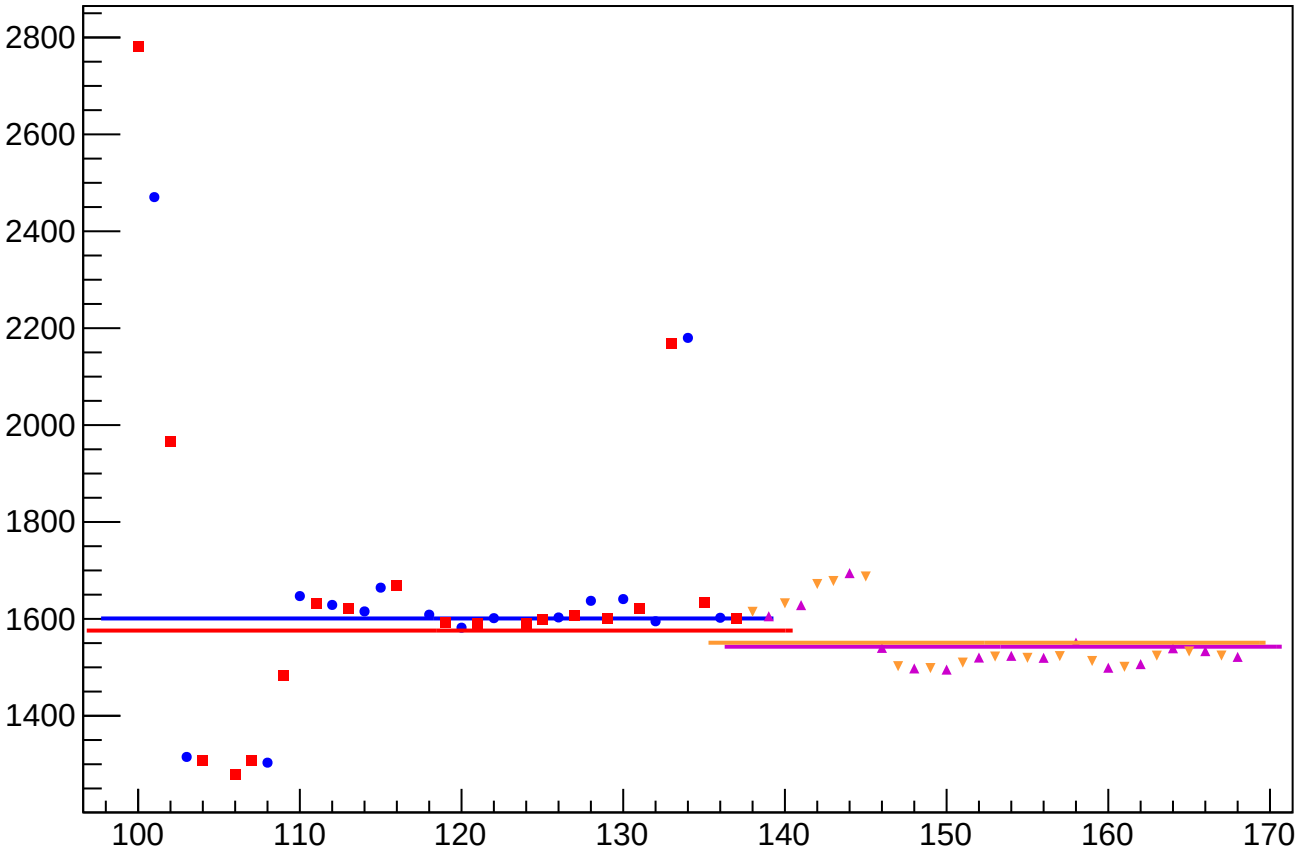
Left: 1981.126+/-309.250 χ^2/NDF: 33.1/30

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3124.273+/-354.065 χ^2/NDF:19.3/30

Out: 1425.312+/-350.450 χ^2/NDF:31.2/34

All: 2266.074+/-249.074 χ^2/NDF: 62.1/65



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1550.810+/-0.309 χ^2/NDF:42195.2/15

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1542.608+/-0.310 χ^2/NDF:29035.9/14

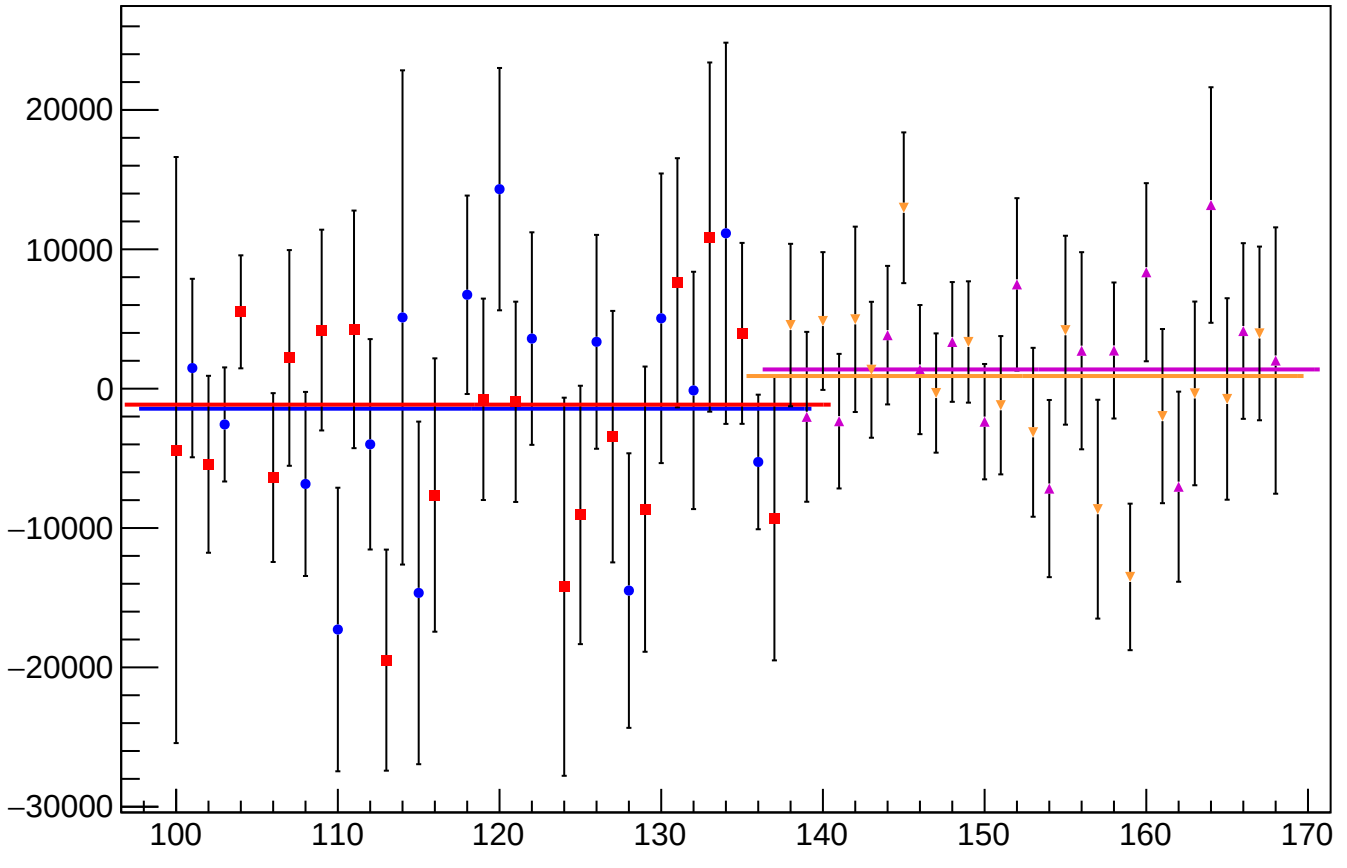
Left: 1546.724+/-0.219 χ^2/NDF: 71582.8/30

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1562.820+/-0.250 χ^2/NDF:358721.6/30

Out: 1559.780+/-0.247 χ^2/NDF:287888.4/34

All: 1561.282+/-0.176 χ^2/NDF: 646684.7/65



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 906.508+/-1397.456 χ^2/NDF:17.2/15

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1379.668+/-1445.866 χ^2/NDF:9.9/14

Left: 1135.034+/-1004.829 χ^2/NDF: 27.2/30

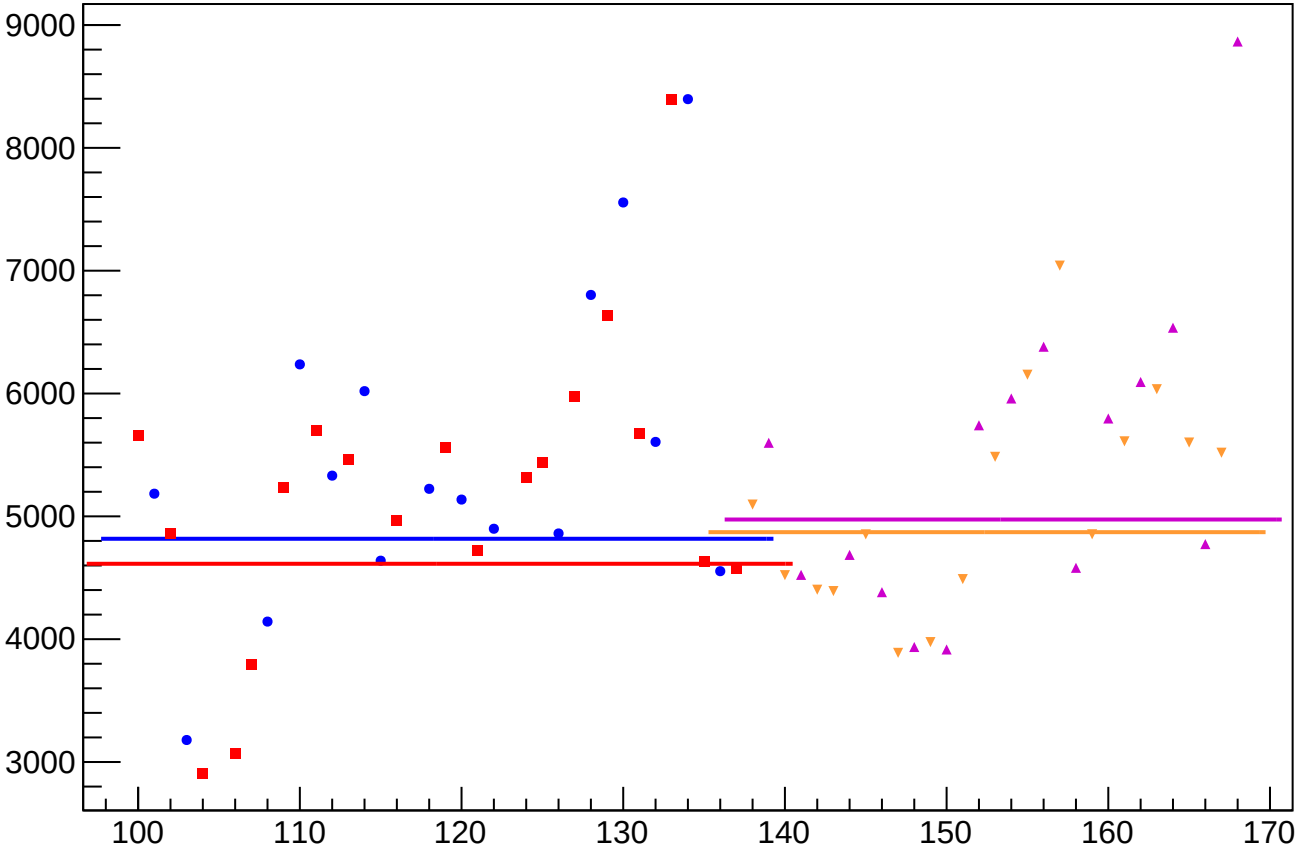
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 310.254+/-1138.821 χ^2/NDF:25.2/30

Out: 115.764+/-1095.712 χ^2/NDF:34.3/34

All: 209.258+/-789.586 χ^2/NDF: 59.5/65

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4871.285+/-0.988 χ^2/NDF:621257.2/15

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4974.264+/-1.022 χ^2/NDF:984944.5/14

Left: 4921.022+/-0.711 χ^2/NDF: 1611447.2/30

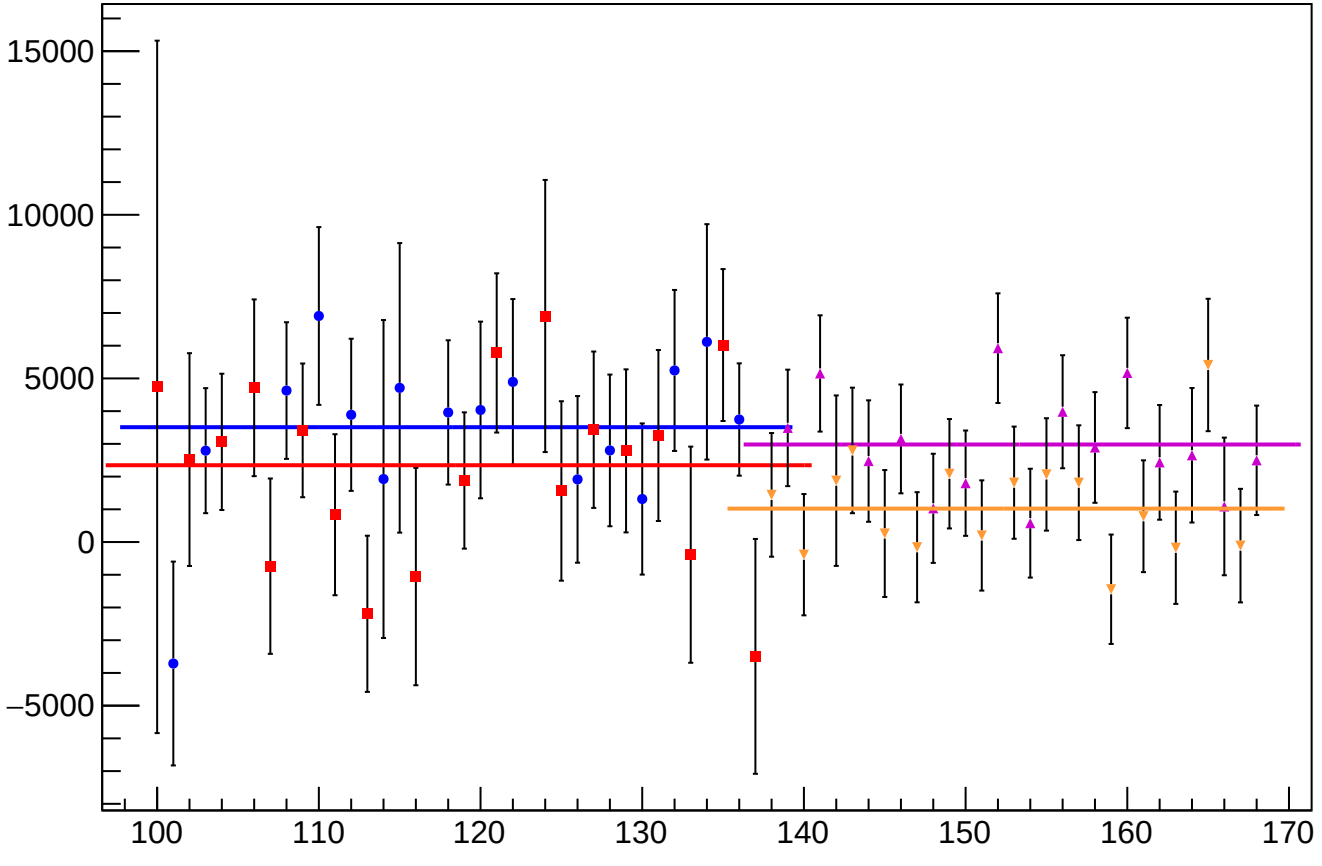
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4914.745+/-0.805 χ^2/NDF:1789105.4/30

Out: 4772.115+/-0.775 χ^2/NDF:1625361.2/34

All: 4840.679+/-0.558 χ^2/NDF: 3430757.6/65

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.613+/-449.873 χ^2/NDF:11.5/15

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2980.604+/-450.396 χ^2/NDF:11.8/14

Left: 1999.971+/-318.293 χ^2/NDF: 32.7/30

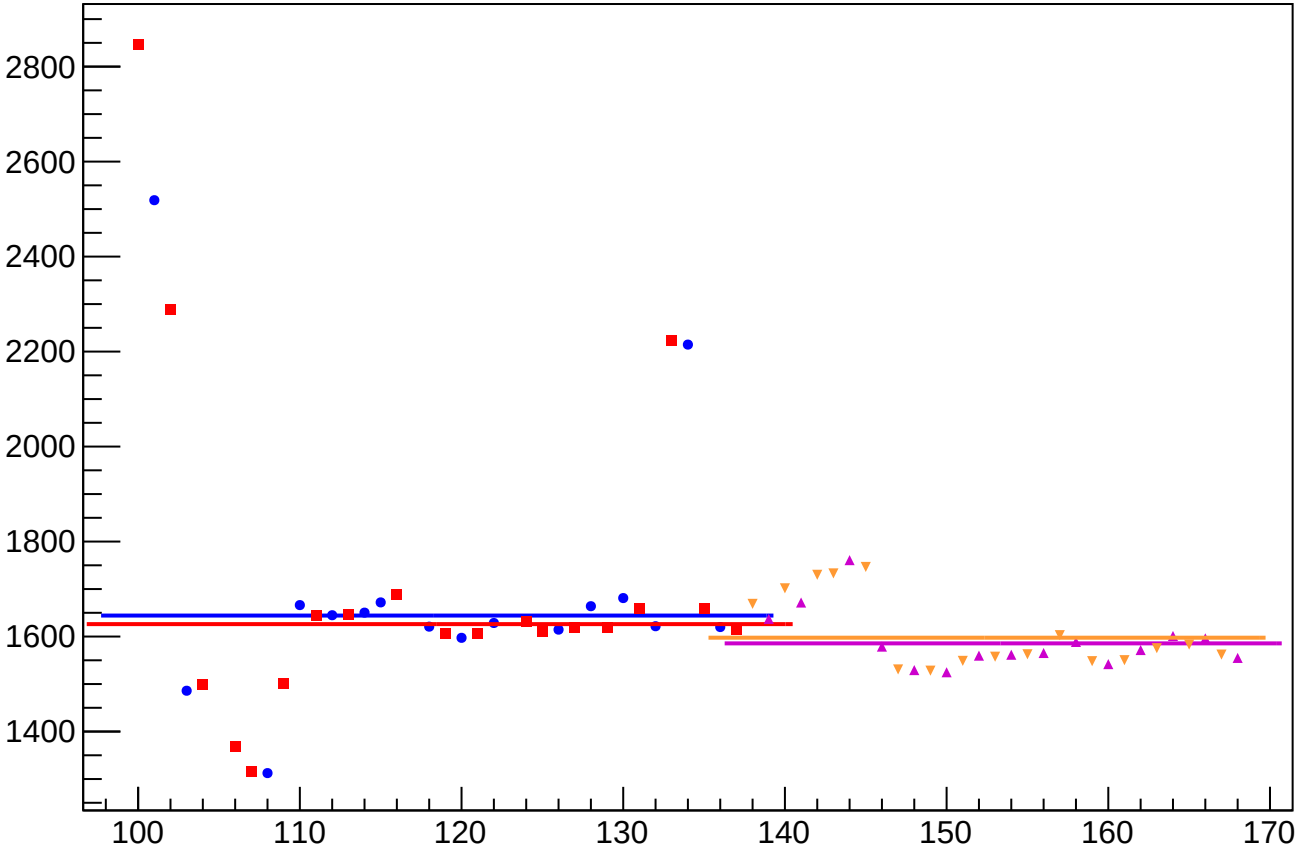
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3164.572+/-363.726 χ^2/NDF:22.6/30

Out: 1490.969+/-361.535 χ^2/NDF:31.7/34

All: 2322.715+/-256.415 χ^2/NDF: 65.0/65

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1597.590+/-0.318 χ^2/NDF:50845.2/15

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1585.633+/-0.318 χ^2/NDF:32836.5/14

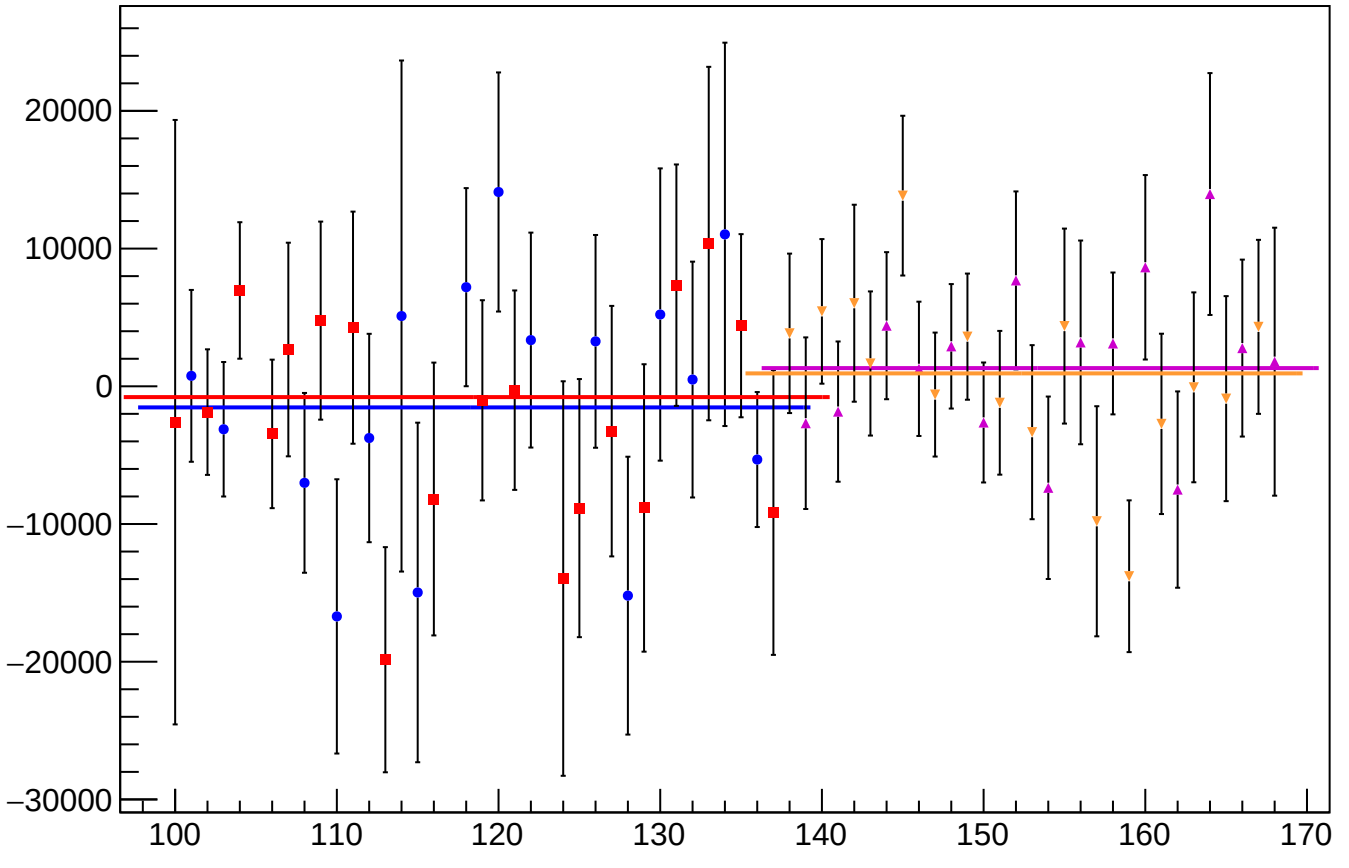
Left: 1591.618+/-0.225 χ^2/NDF: 84387.4/30

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1606.004+/-0.257 χ^2/NDF:319416.7/30

Out: 1607.725+/-0.256 χ^2/NDF:291347.3/34

All: 1606.870+/-0.181 χ^2/NDF: 610786.6/65



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 937.499+/-1465.962 χ^2/NDF:17.3/15

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1321.765+/-1515.198 χ^2/NDF:9.8/14

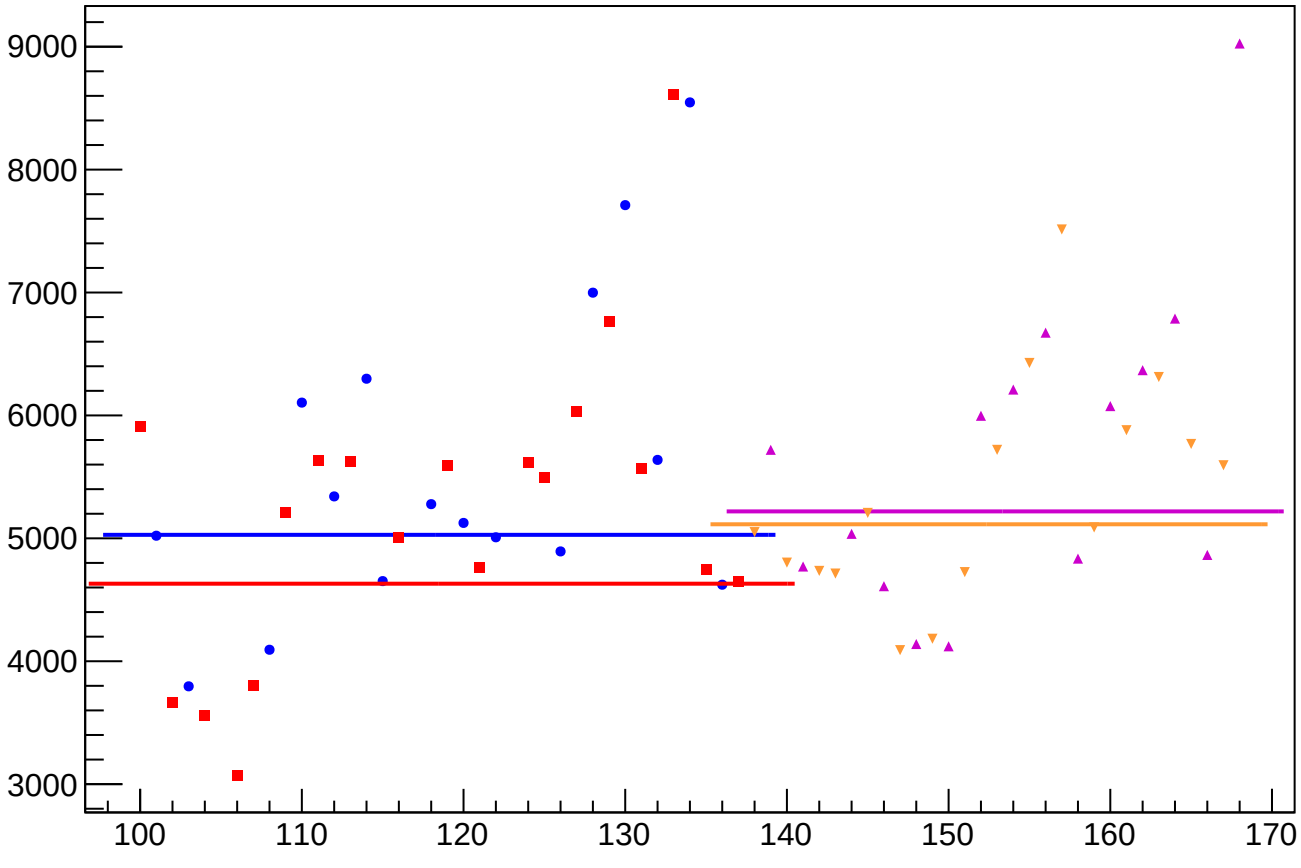
Left: 1123.287+/-1053.568 χ^2/NDF: 27.1/30

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 222.151+/-1187.952 χ^2/NDF:25.0/30

Out: 226.836+/-1123.390 χ^2/NDF:32.9/34

All: 224.624+/-816.227 χ^2/NDF: 57.9/65



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5114.339+/-1.037 χ^2/NDF:589266.5/15

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5219.126+/-1.071 χ^2/NDF:925876.3/14

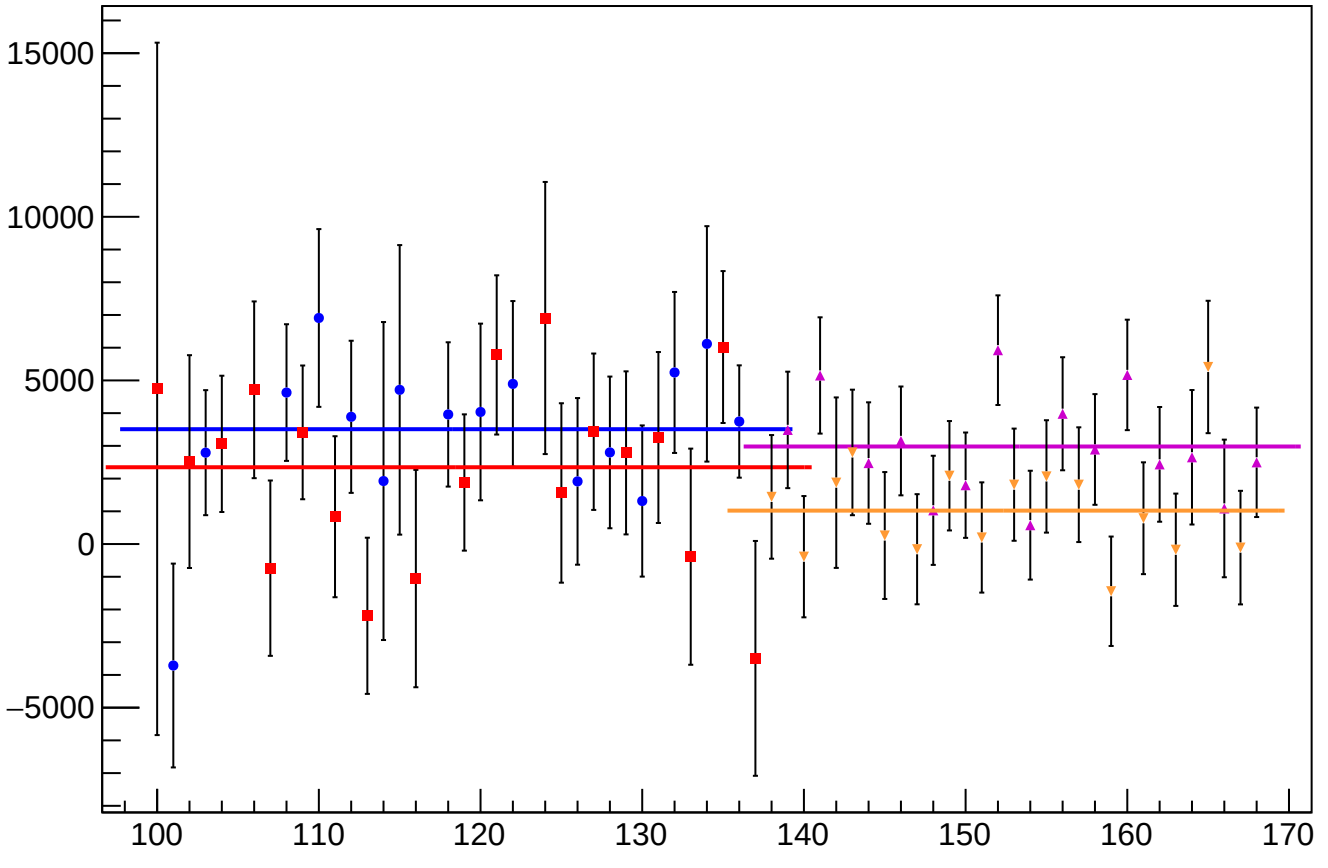
Left: 5165.003+/-0.745 χ^2/NDF: 1520083.5/30

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5145.657+/-0.840 χ^2/NDF:1503549.4/30

Out: 4914.795+/-0.794 χ^2/NDF:1542558.2/34

All: 5023.783+/-0.577 χ^2/NDF: 3085982.4/65



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1021.602+/-449.874 χ^2/NDF:11.5/15

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2980.608+/-450.396 χ^2/NDF:11.8/14

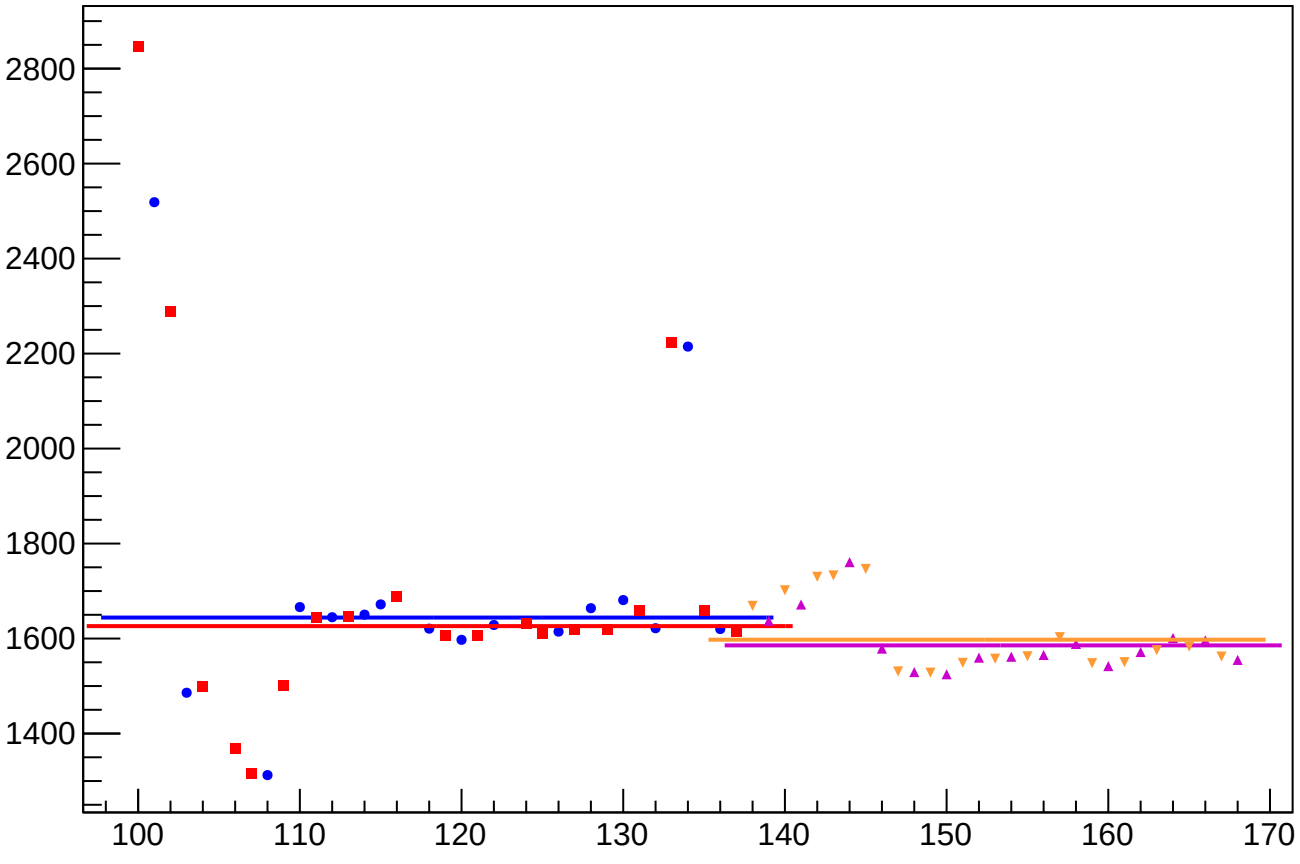
Left: 1999.967+/-318.293 χ^2/NDF: 32.7/30

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3164.576+/-363.727 χ^2/NDF:22.6/30

Out: 1490.965+/-361.536 χ^2/NDF:31.7/34

All: 2322.714+/-256.415 χ^2/NDF: 65.0/65



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1597.591+/-0.318 χ^2/NDF:50845.2/15

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1585.634+/-0.318 χ^2/NDF:32836.3/14

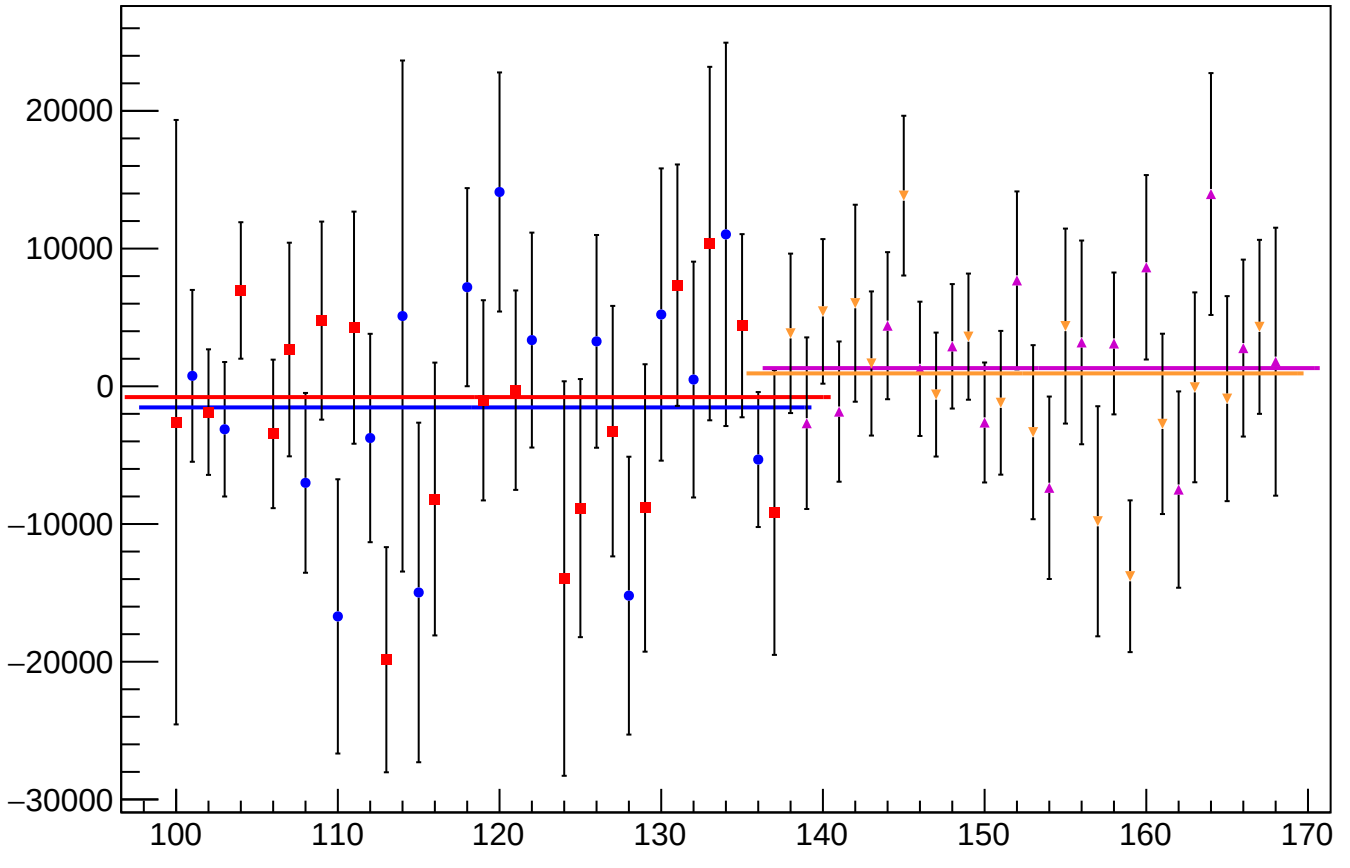
Left: 1591.620+/-0.225 χ^2/NDF: 84387.1/30

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1606.004+/-0.257 χ^2/NDF:319415.9/30

Out: 1607.726+/-0.256 χ^2/NDF:291346.5/34

All: 1606.871+/-0.181 χ^2/NDF: 610785.0/65



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 937.494+/-1465.965 χ^2/NDF:17.3/15

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1321.764+/-1515.201 χ^2/NDF:9.8/14

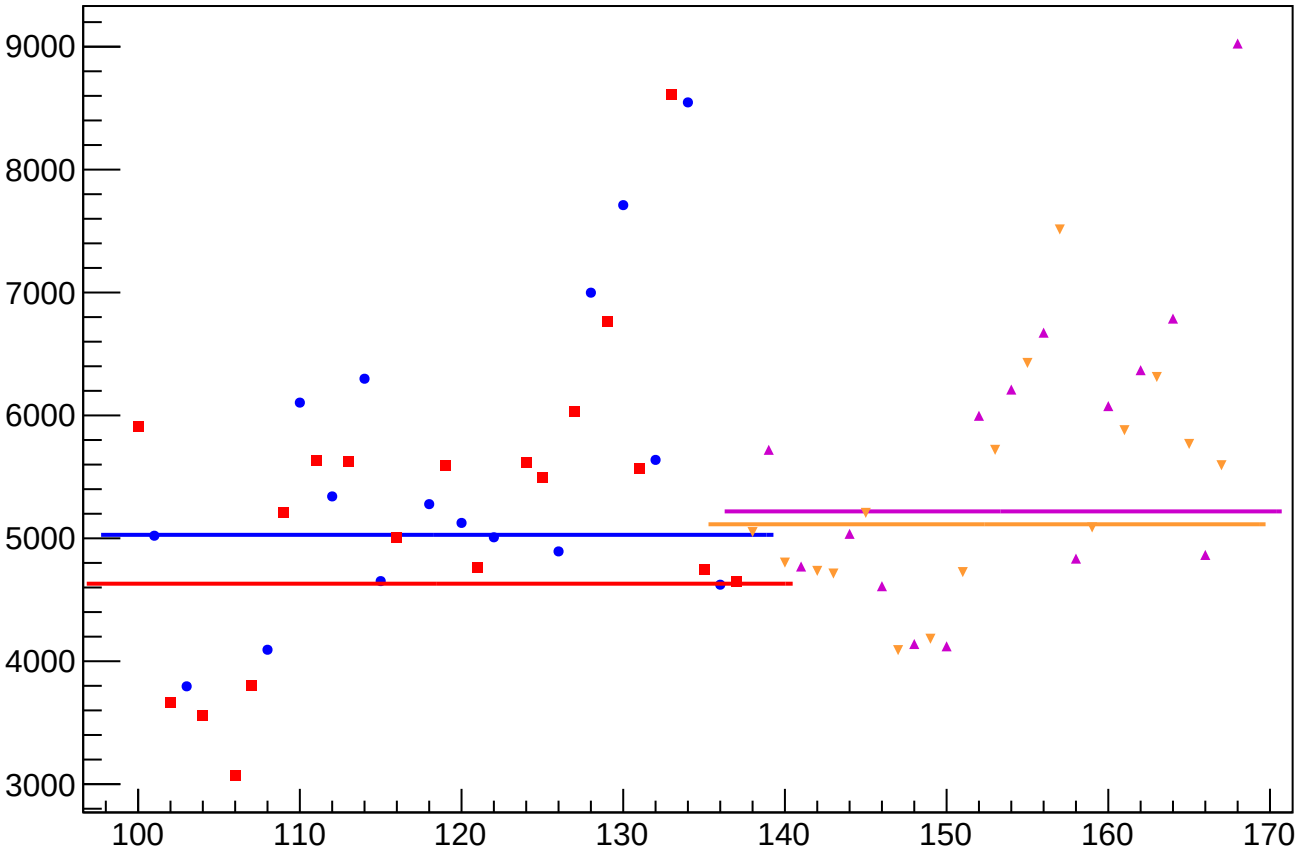
Left: 1123.284+/-1053.570 χ^2/NDF: 27.1/30

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 222.152+/-1187.953 χ^2/NDF:25.0/30

Out: 226.830+/-1123.391 χ^2/NDF:32.9/34

All: 224.621+/-816.227 χ^2/NDF: 57.9/65



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5114.348+/-1.037 χ^2/NDF:589268.1/15

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5219.135+/-1.071 χ^2/NDF:925877.4/14

Left: 5165.012+/-0.745 χ^2/NDF: 1520086.1/30

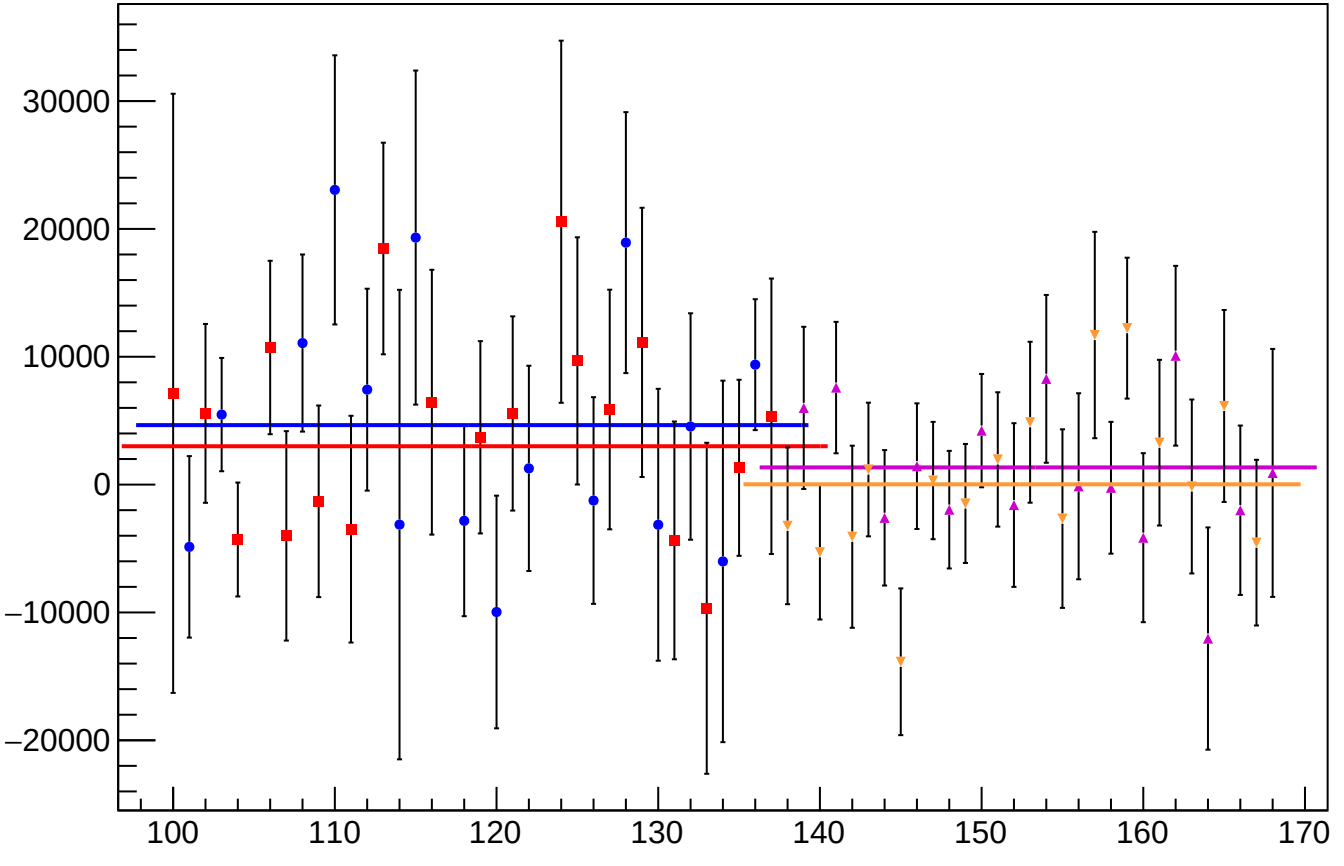
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5145.660+/-0.840 χ^2/NDF:1503546.2/30

Out: 4914.797+/-0.794 χ^2/NDF:1542559.7/34

All: 5023.785+/-0.577 χ^2/NDF: 3085980.9/65

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 23.222+/-1474.010 χ^2/NDF:16.9/15

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1344.634+/-1521.682 χ^2/NDF:9.8/14

Left: 662.905+/-1058.735 χ^2/NDF: 27.2/30

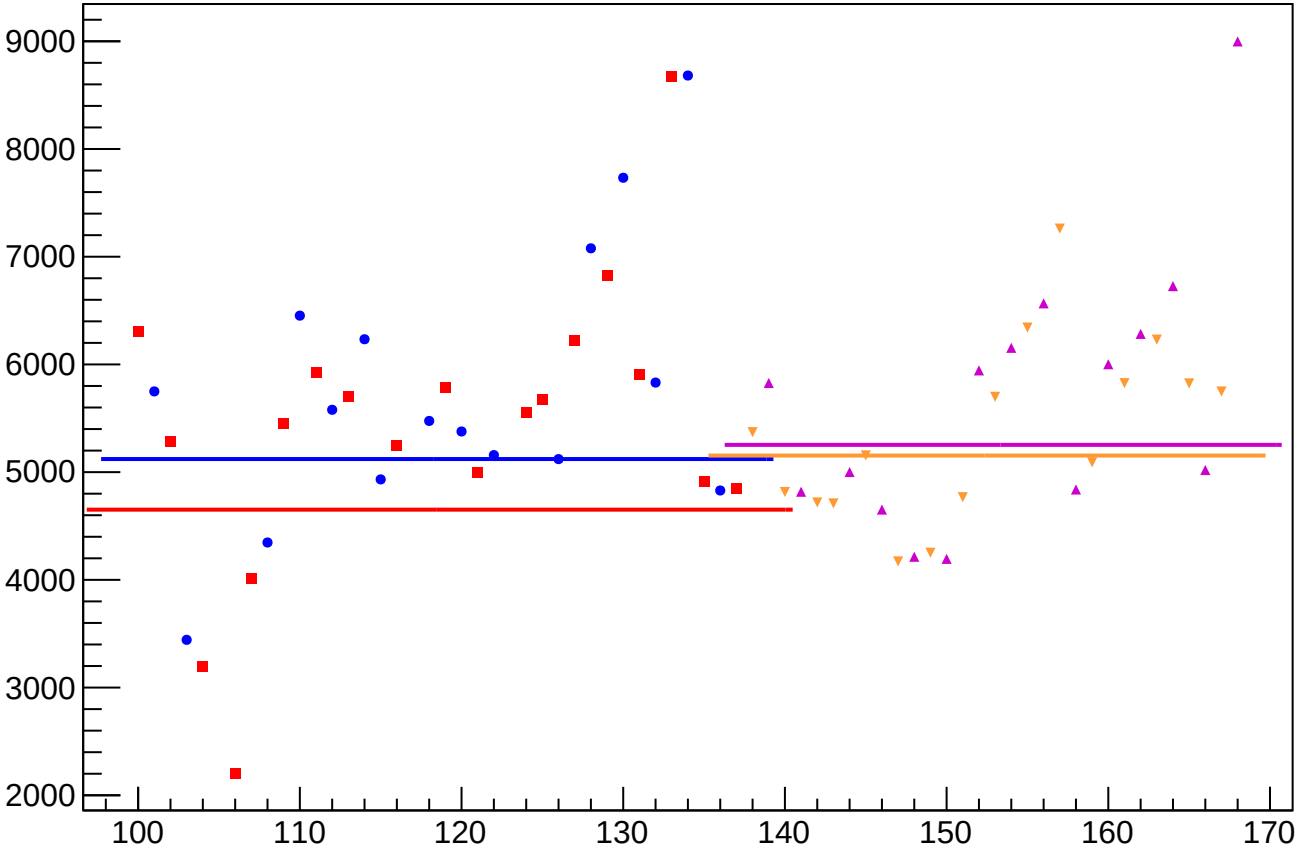
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2590.060+/-1201.616 χ^2/NDF:27.1/30

Out: 1154.756+/-1160.641 χ^2/NDF:32.4/34

All: 1847.519+/-834.807 χ^2/NDF: 60.2/65

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5154.202+/-1.042 χ^2/NDF:524220.3/15

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5253.155+/-1.076 χ^2/NDF:847213.6/14

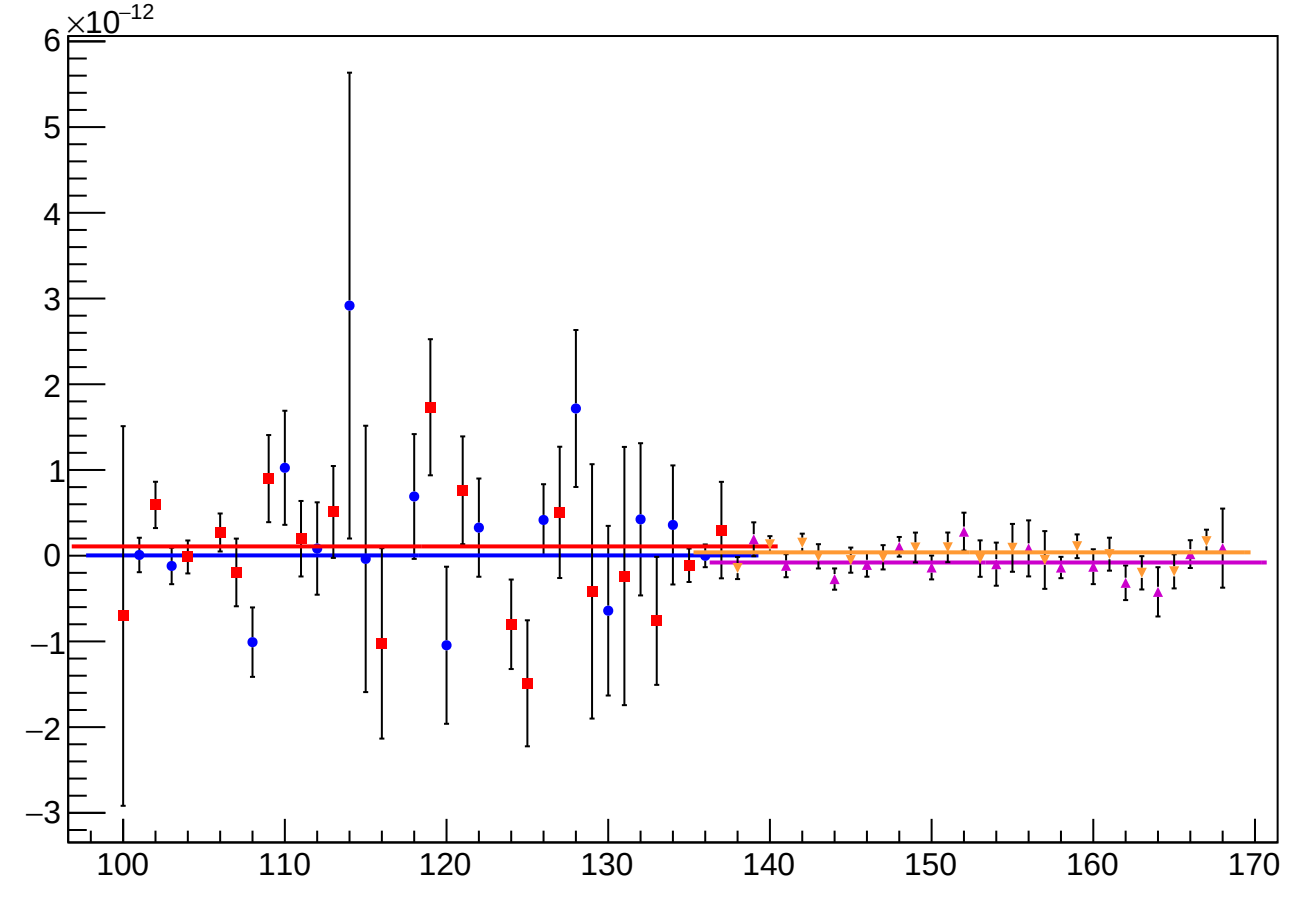
Left: 5202.105+/-0.749 χ^2/NDF: 1375797.2/30

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5203.650+/-0.850 χ^2/NDF:1573207.1/30

Out: 4953.933+/-0.808 χ^2/NDF:1961719.7/34

All: 5072.566+/-0.586 χ^2/NDF: 3580268.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/14

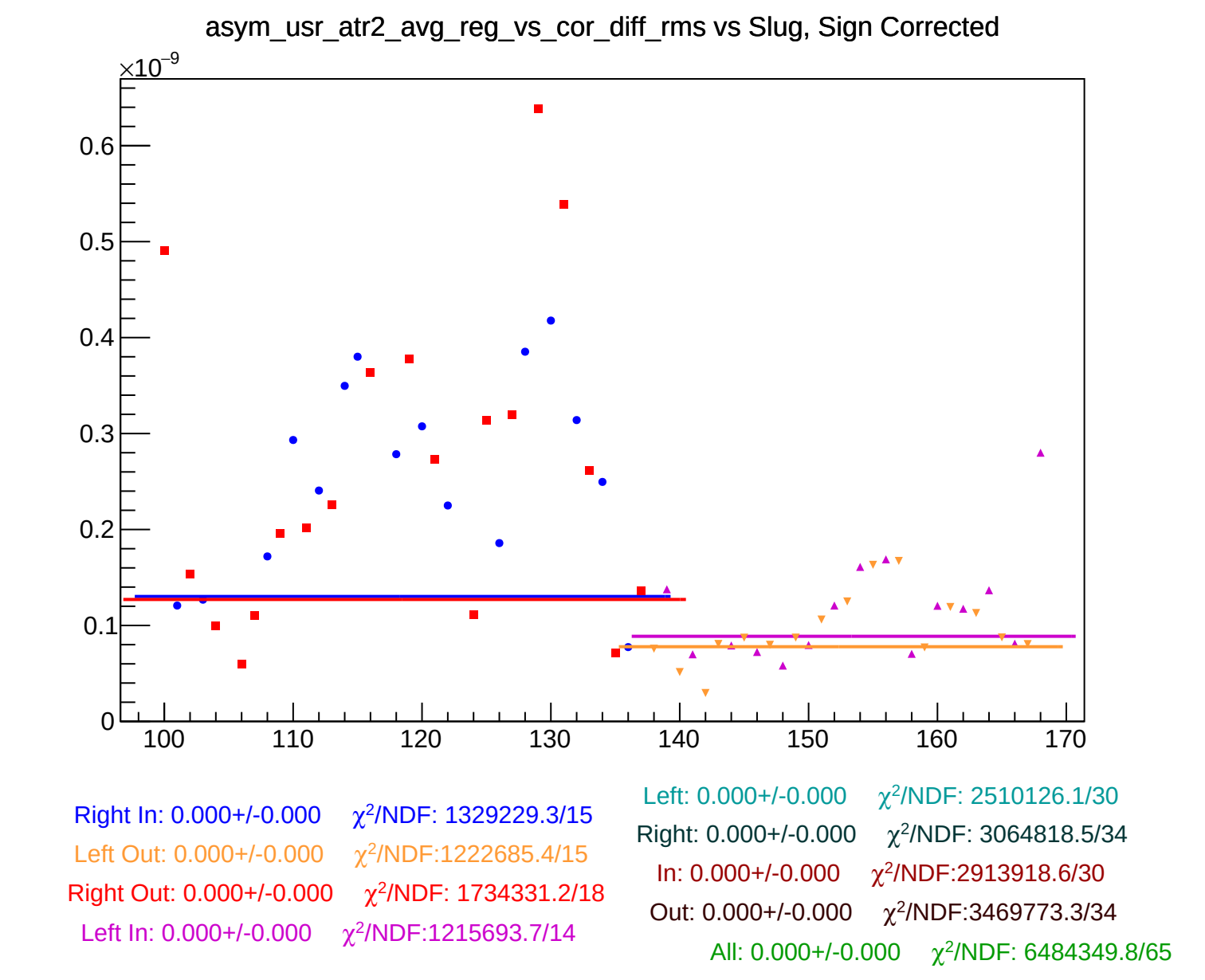
Left: -0.000+/-0.000 χ^2/NDF: 27.0/30

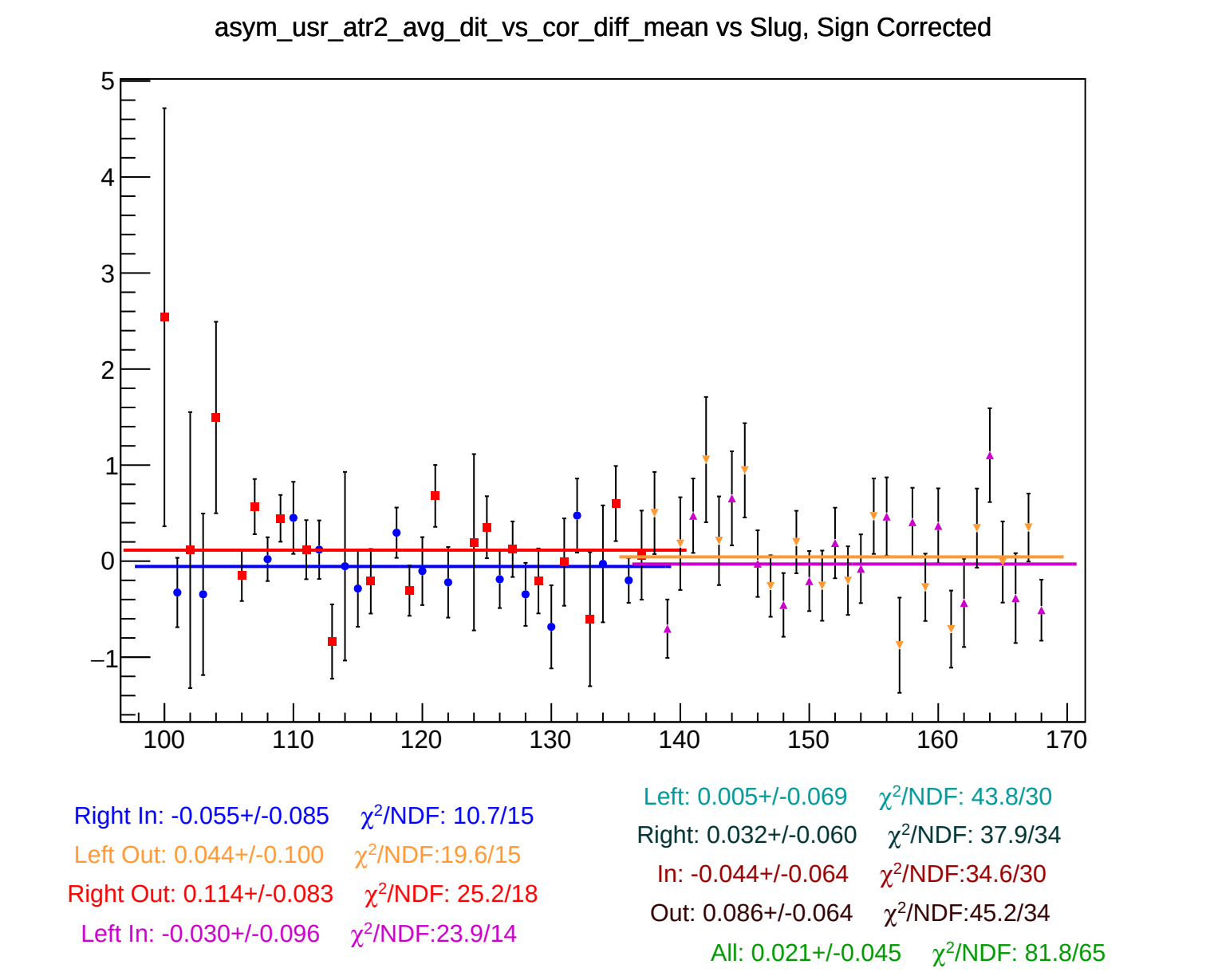
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

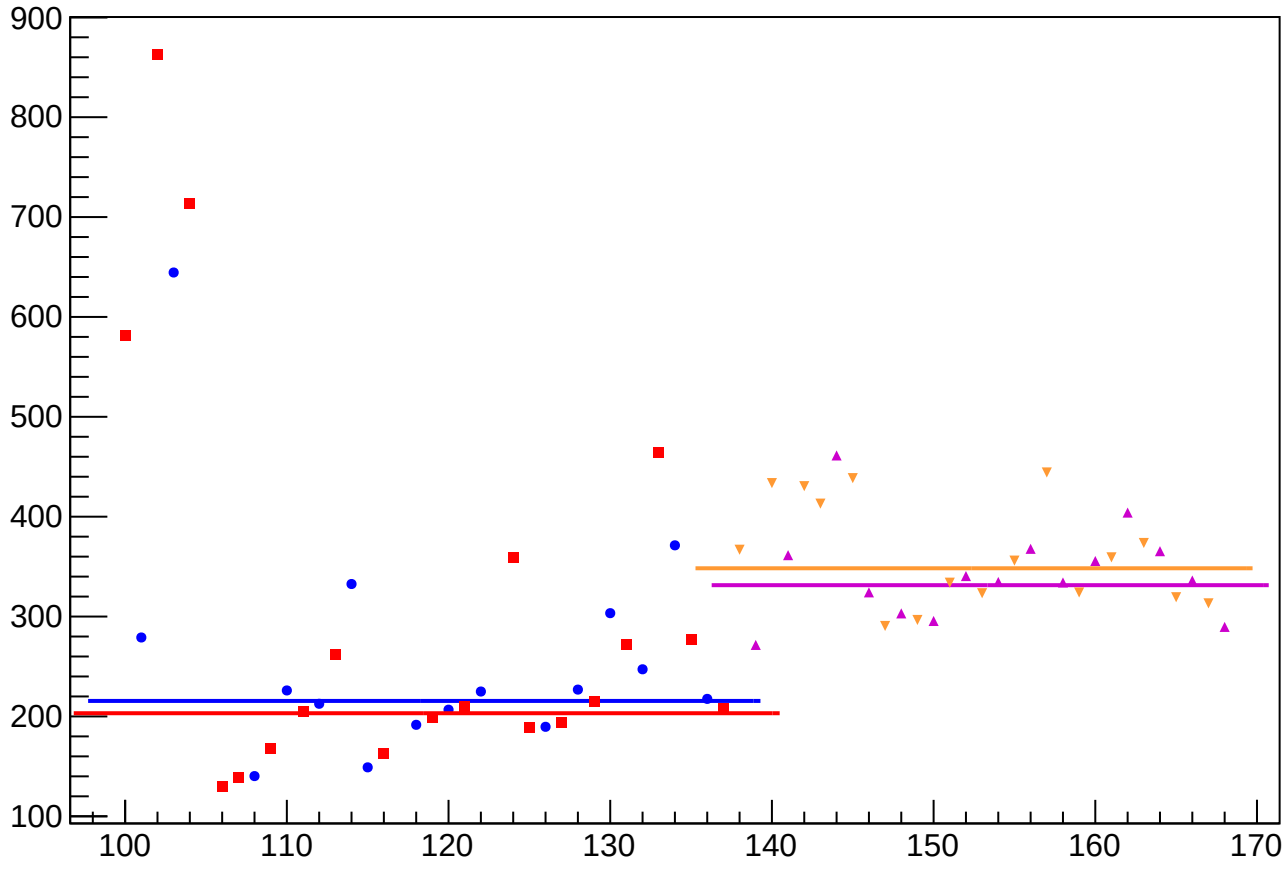
In: -0.000+/-0.000 χ^2/NDF:32.4/30

Out: 0.000+/-0.000 χ^2/NDF:34.8/34

All: -0.000+/-0.000 χ^2/NDF: 71.8/65


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1222685.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1215693.7/14
Left: 0.000+/-0.000 χ²/NDF: 2510126.1/30
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2913918.6/30
Out: 0.000+/-0.000 χ²/NDF:3469773.3/34
All: 0.000+/-0.000 χ²/NDF: 6484349.8/65


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.044+/-0.100 χ²/NDF:19.6/15
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.030+/-0.096 χ²/NDF:23.9/14
Left: 0.005+/-0.069 χ²/NDF: 43.8/30
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.044+/-0.064 χ²/NDF:34.6/30
Out: 0.086+/-0.064 χ²/NDF:45.2/34
All: 0.021+/-0.045 χ²/NDF: 81.8/65



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.337+/-0.071 χ^2/NDF:457008.1/15

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 331.417+/-0.068 χ^2/NDF:391326.5/14

Left: 339.535+/-0.049 χ^2/NDF: 878074.5/30

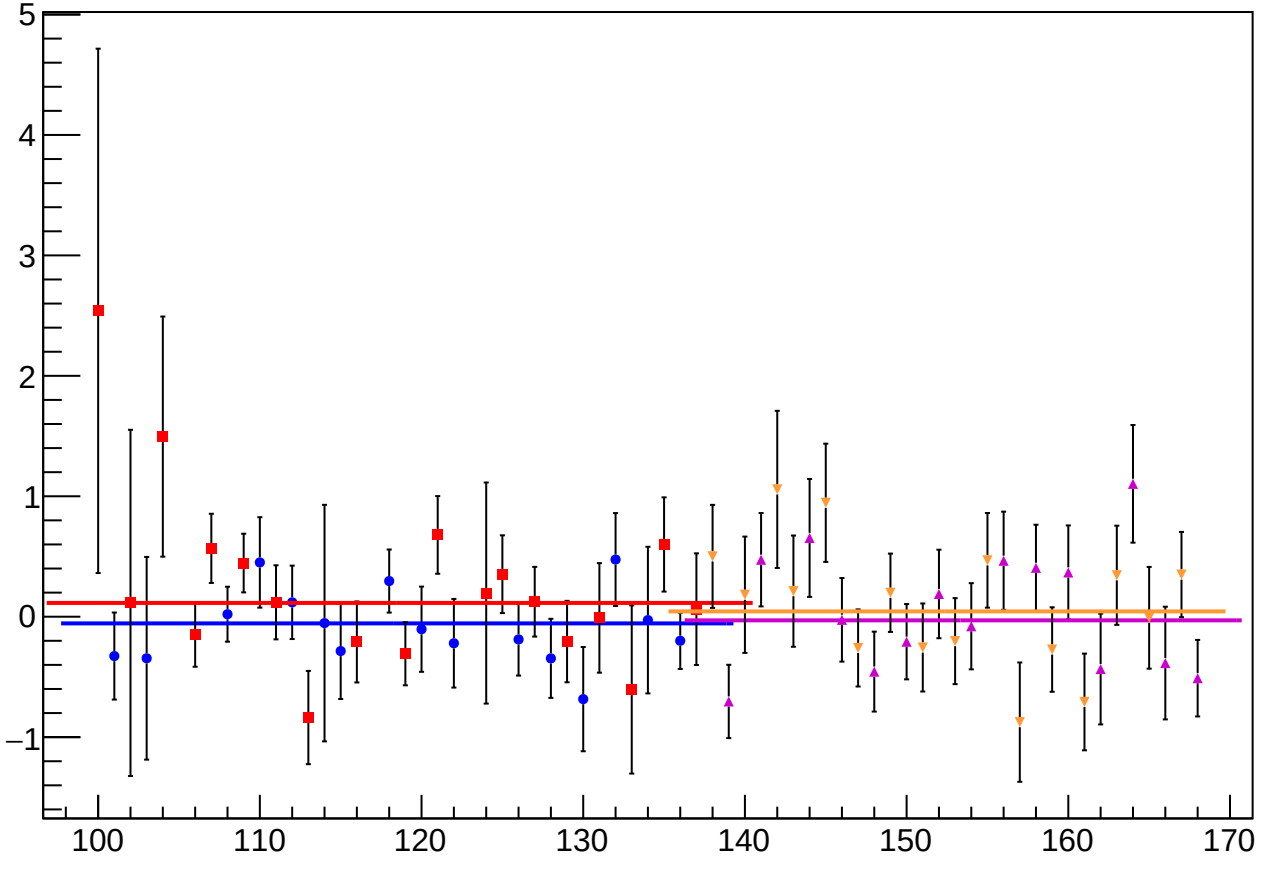
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 266.701+/-0.045 χ^2/NDF:3164100.9/30

Out: 262.537+/-0.045 χ^2/NDF:4779367.7/34

All: 264.623+/-0.032 χ^2/NDF: 7947712.1/65

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: 0.044+/-0.100 χ^2/NDF:19.6/15

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.030+/-0.096 χ^2/NDF:23.9/14

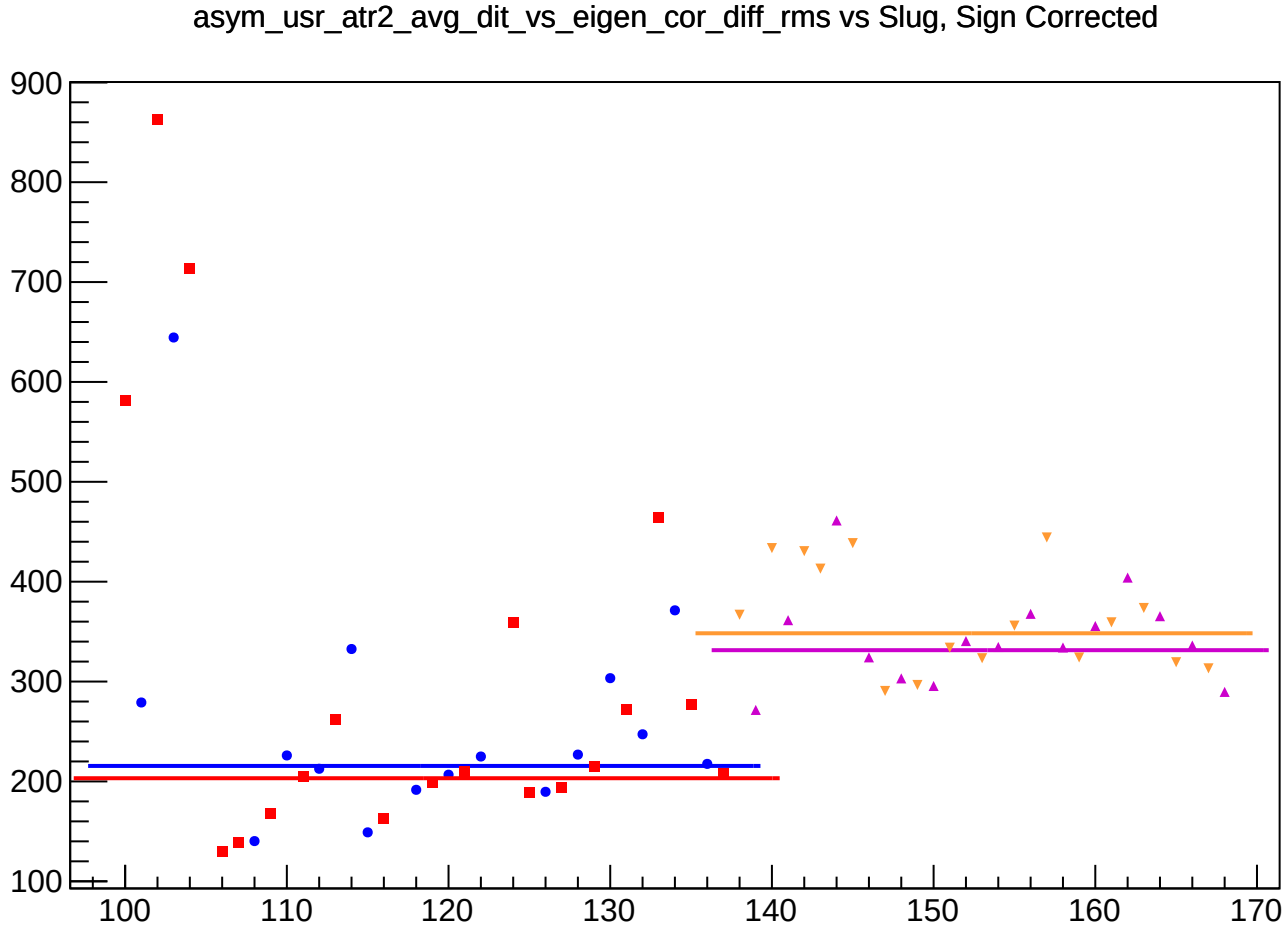
Left: 0.005+/-0.069 χ^2/NDF: 43.8/30

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.044+/-0.064 χ^2/NDF:34.6/30

Out: 0.086+/-0.064 χ^2/NDF:45.2/34

All: 0.021+/-0.045 χ^2/NDF: 81.8/65



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.337+/-0.071 χ^2/NDF:457008.1/15

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 331.417+/-0.068 χ^2/NDF:391326.5/14

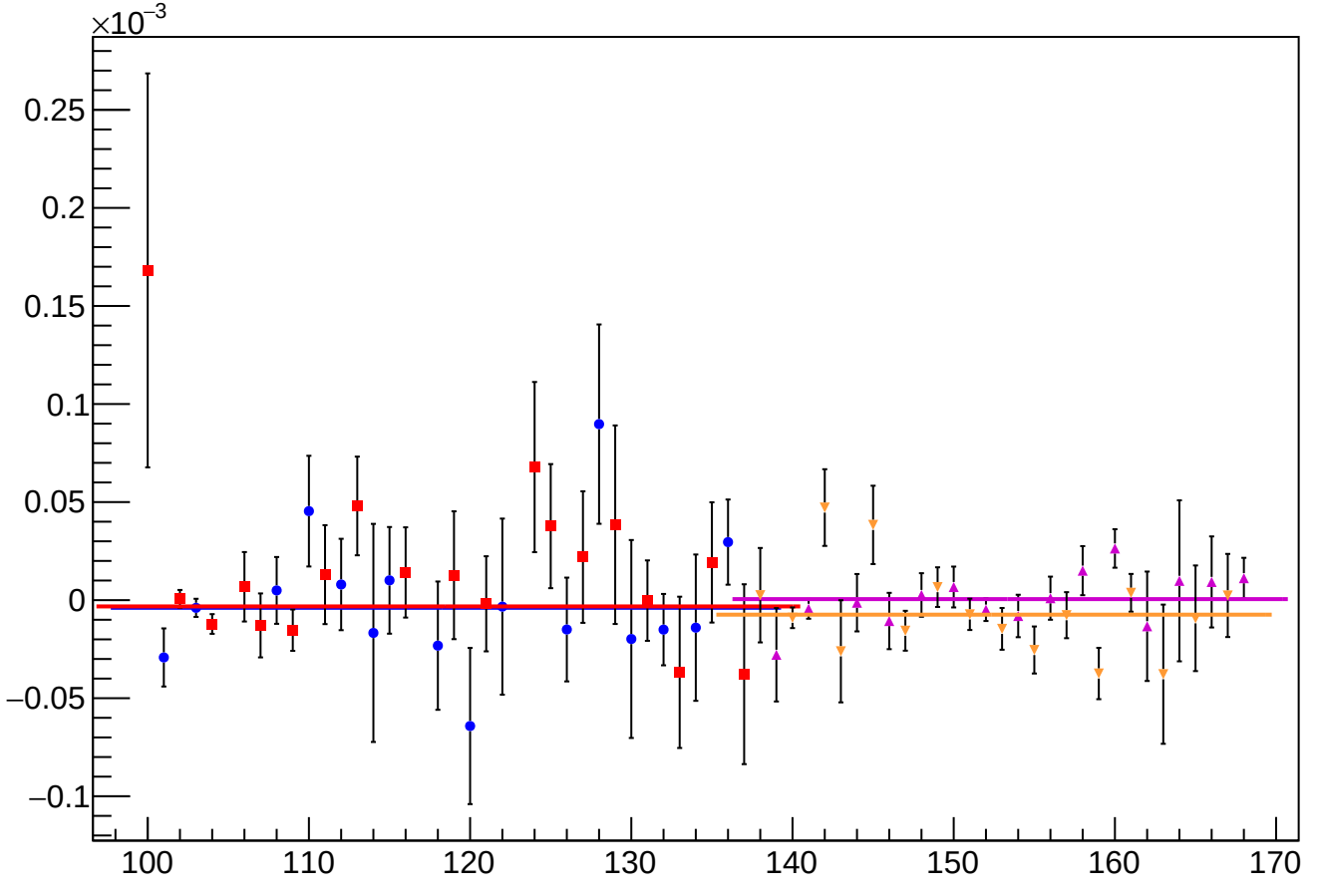
Left: 339.535+/-0.049 χ^2/NDF: 878074.5/30

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 266.701+/-0.045 χ^2/NDF:3164100.9/30

Out: 262.537+/-0.045 χ^2/NDF:4779367.7/34

All: 264.623+/-0.032 χ^2/NDF: 7947712.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/14

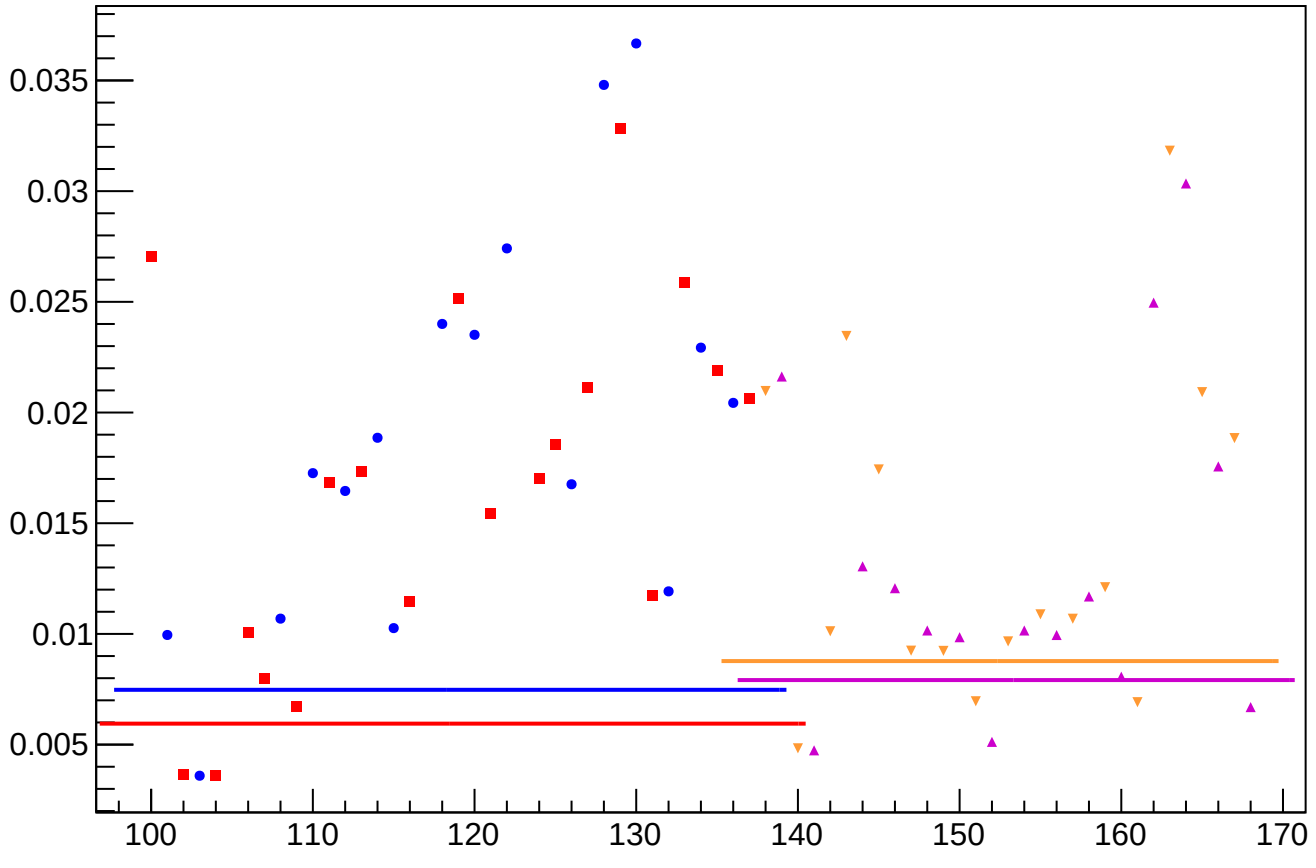
Left: -0.000+/-0.000 χ^2/NDF: 45.5/30

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:31.5/30

Out: -0.000+/-0.000 χ^2/NDF:49.4/34

All: -0.000+/-0.000 χ^2/NDF: 83.2/65



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4800233.3/15

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4538875.9/14

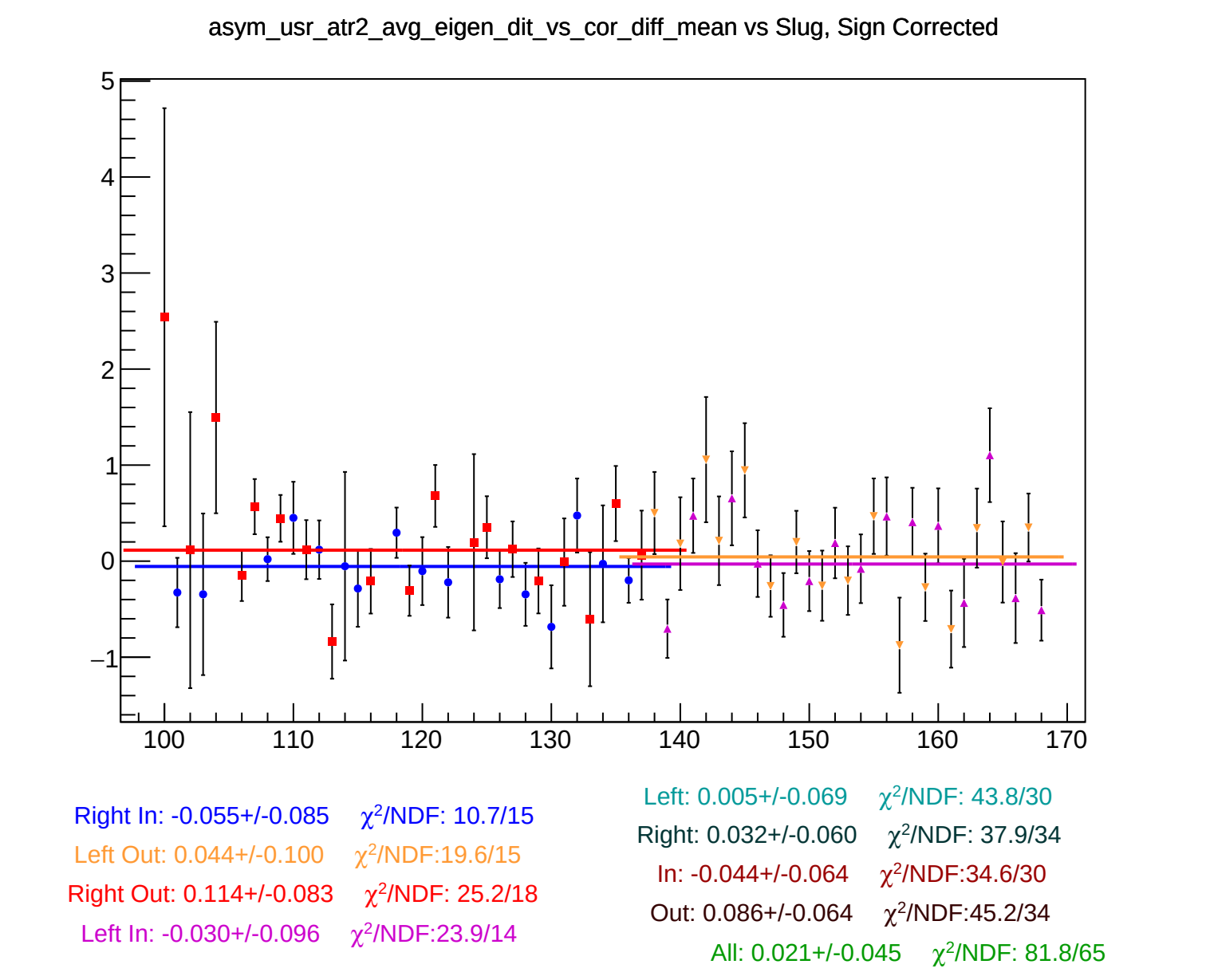
Left: 0.008+/-0.000 χ^2/NDF: 9437073.9/30

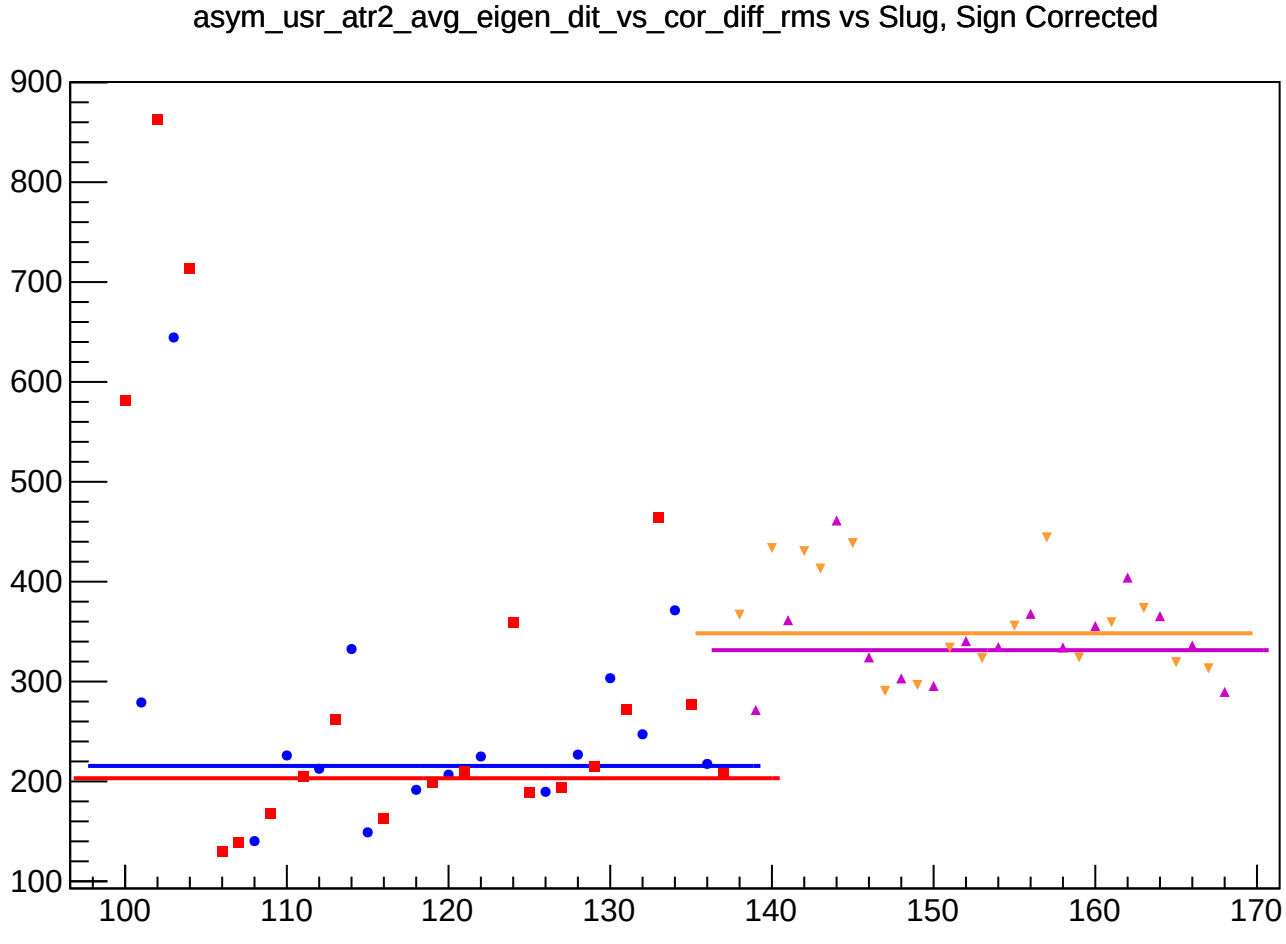
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10633260.7/30

Out: 0.007+/-0.000 χ^2/NDF:11703296.9/34

All: 0.008+/-0.000 χ^2/NDF: 22370595.4/65


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.044+/-0.100 χ²/NDF:19.6/15
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.030+/-0.096 χ²/NDF:23.9/14
Left: 0.005+/-0.069 χ²/NDF: 43.8/30
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.044+/-0.064 χ²/NDF:34.6/30
Out: 0.086+/-0.064 χ²/NDF:45.2/34
All: 0.021+/-0.045 χ²/NDF: 81.8/65



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 331.423+/-0.068 χ^2/NDF:391319.2/14

Left: 339.541+/-0.049 χ^2/NDF: 878059.8/30

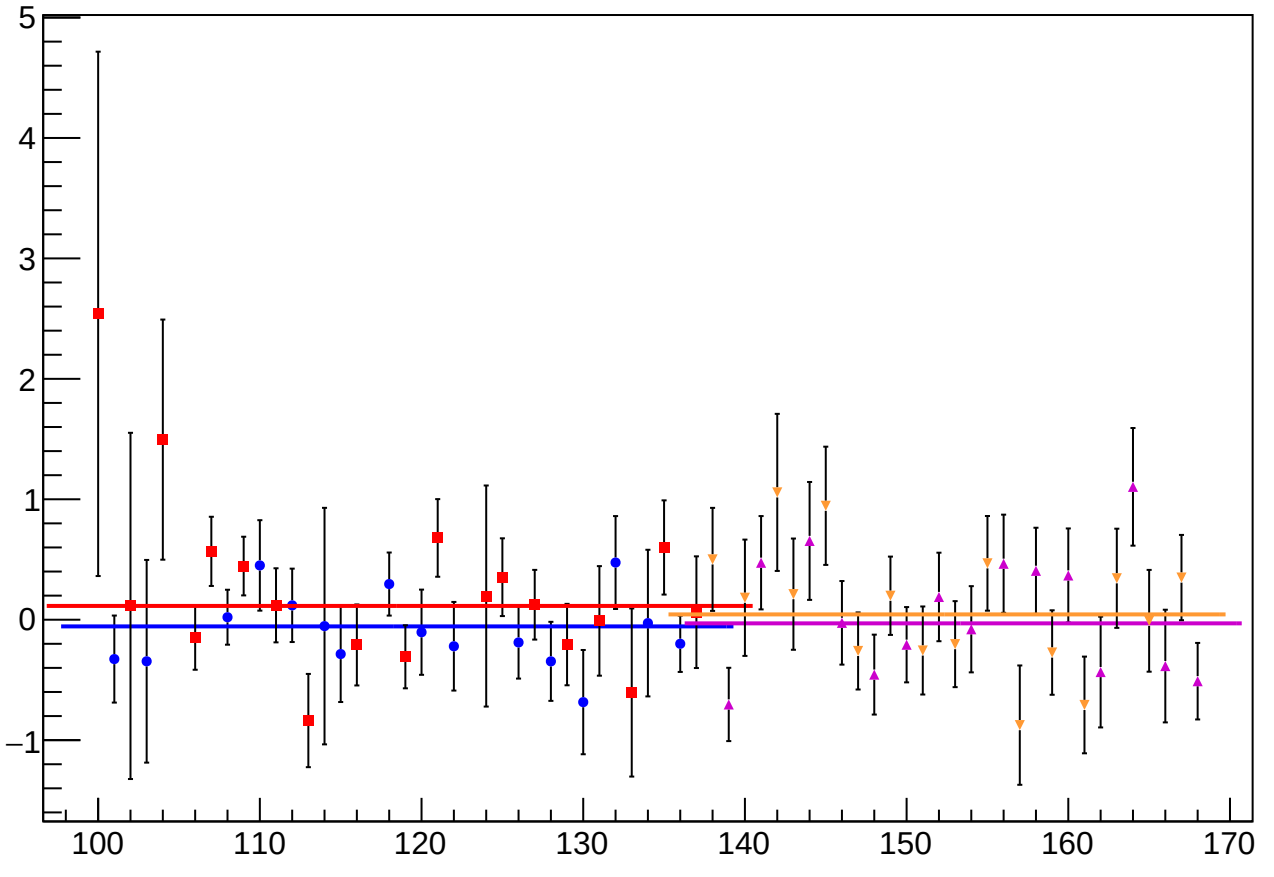
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 266.701+/-0.045 χ^2/NDF:3164243.9/30

Out: 262.537+/-0.045 χ^2/NDF:4779568.8/34

All: 264.623+/-0.032 χ^2/NDF: 7948057.5/65

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: 0.044+/-0.100 χ^2/NDF:19.6/15

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.030+/-0.096 χ^2/NDF:23.9/14

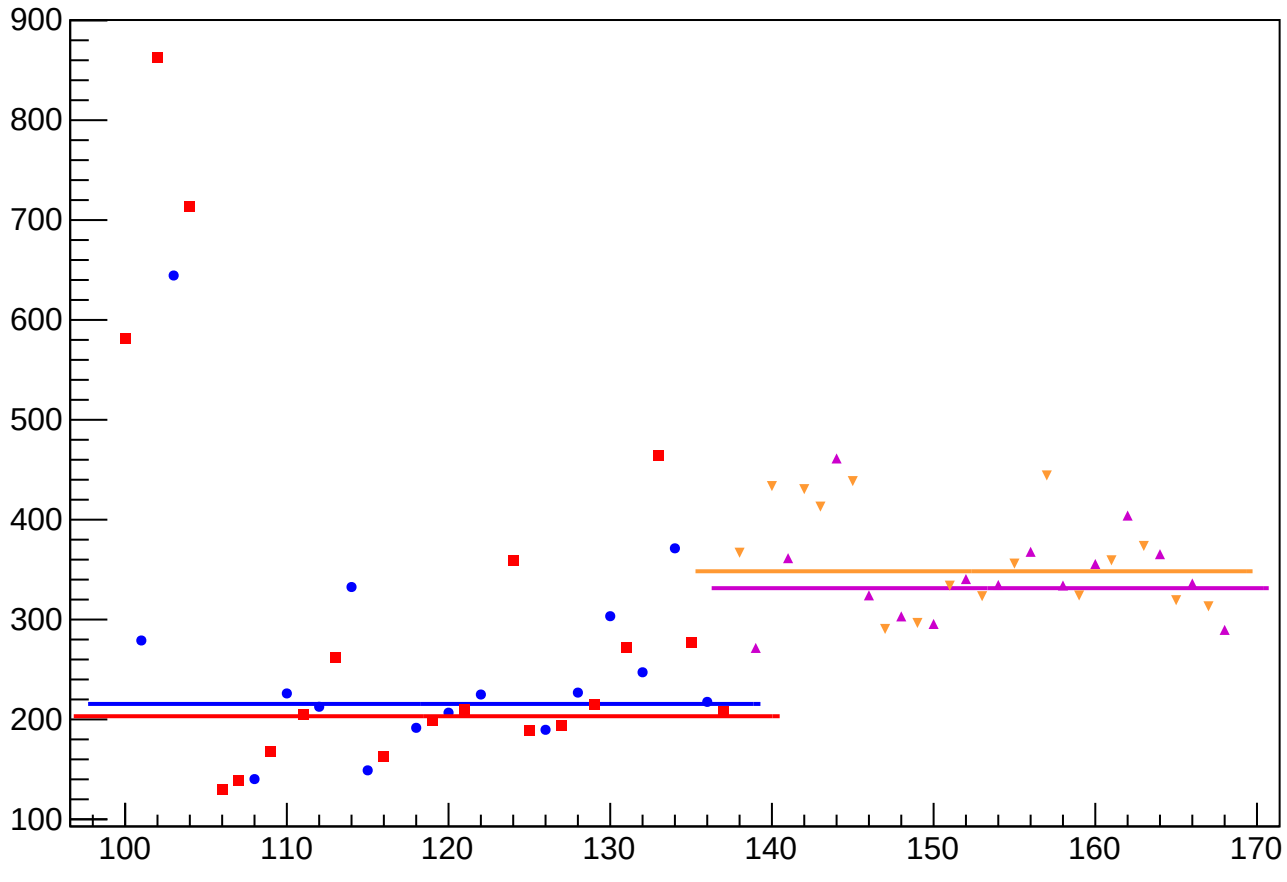
Left: 0.005+/-0.069 χ^2/NDF: 43.8/30

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.044+/-0.064 χ^2/NDF:34.6/30

Out: 0.086+/-0.064 χ^2/NDF:45.2/34

All: 0.021+/-0.045 χ^2/NDF: 81.8/65



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.343+/-0.071 χ^2/NDF:457001.0/15

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 331.423+/-0.068 χ^2/NDF:391319.2/14

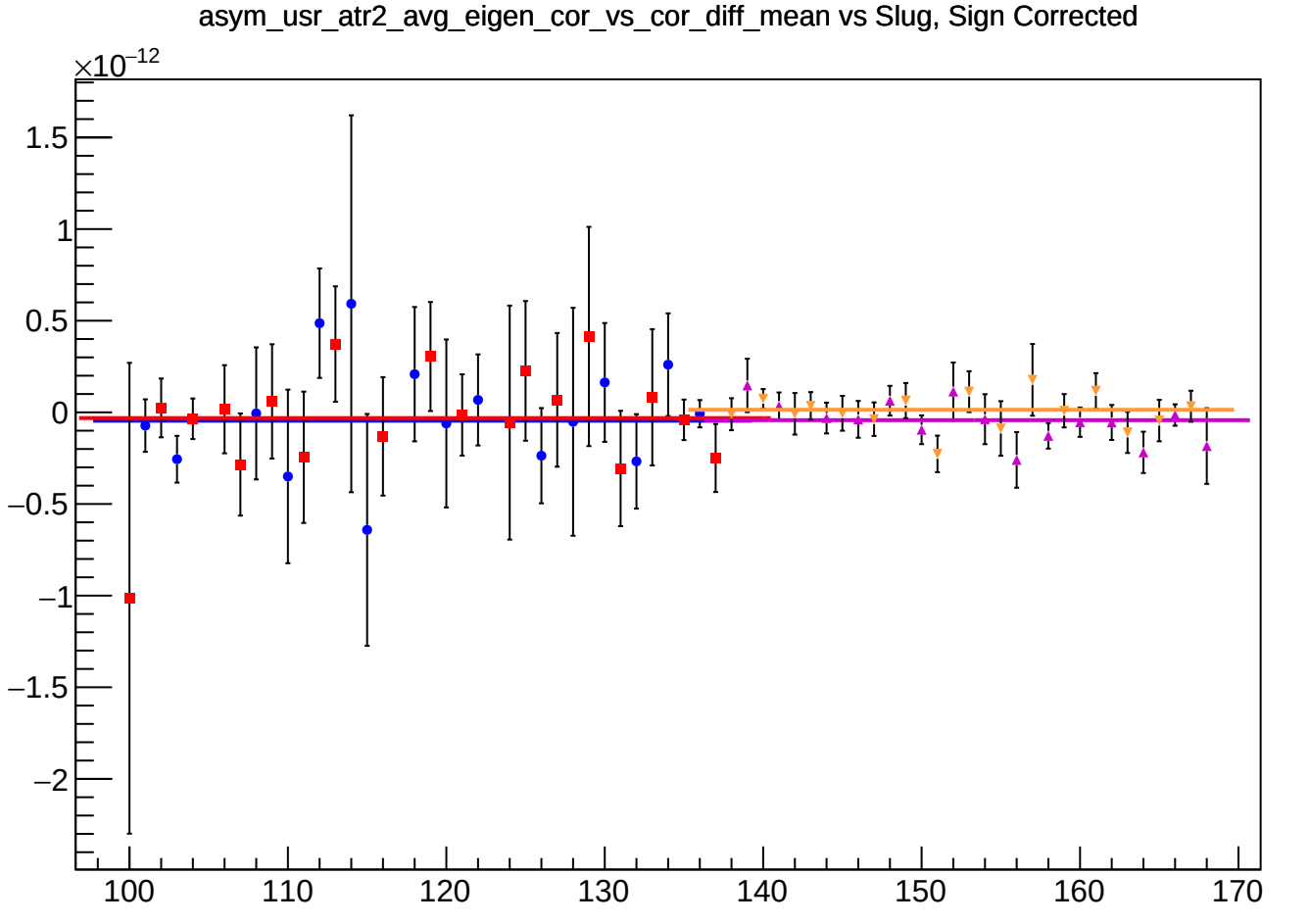
Left: 339.541+/-0.049 χ^2/NDF: 878059.8/30

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 266.701+/-0.045 χ^2/NDF:3164243.9/30

Out: 262.537+/-0.045 χ^2/NDF:4779568.8/34

All: 264.623+/-0.032 χ^2/NDF: 7948057.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/14

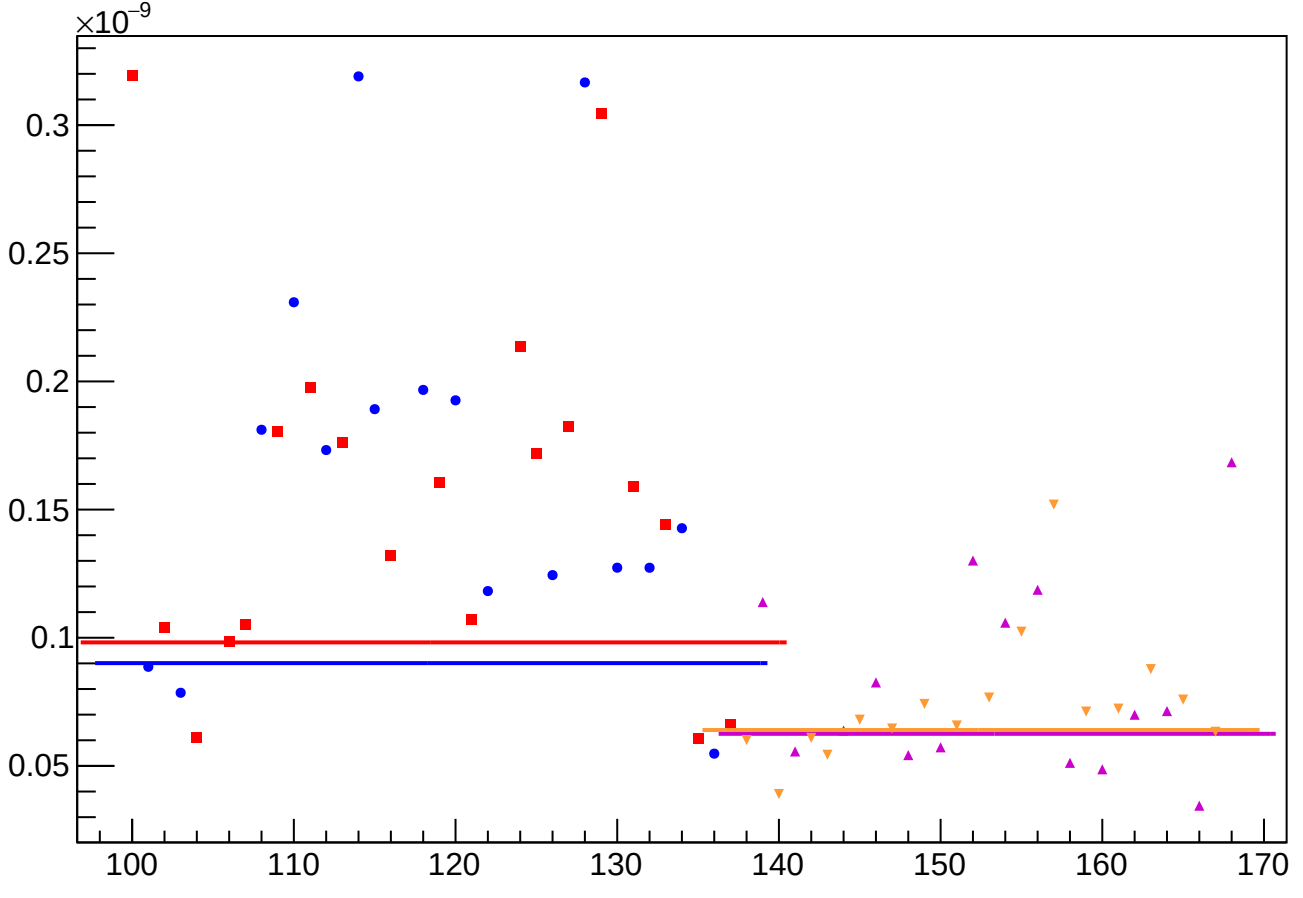
Left: -0.000+/-0.000 χ^2/NDF: 28.1/30

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:24.1/30

Out: 0.000+/-0.000 χ^2/NDF:21.6/34

All: -0.000+/-0.000 χ^2/NDF: 48.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210444.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2339520.6/14

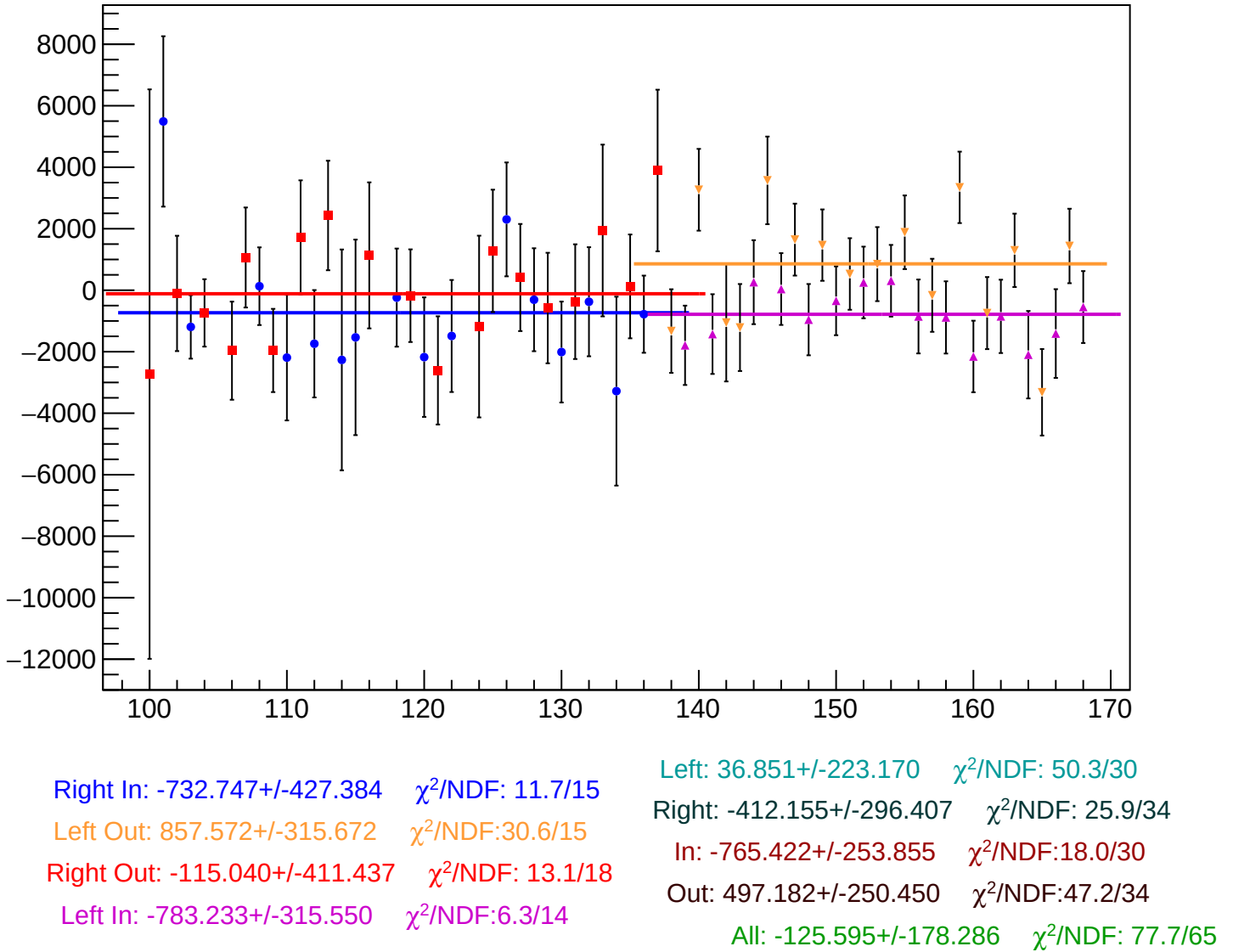
Left: 0.000+/-0.000 χ^2/NDF: 3553941.7/30

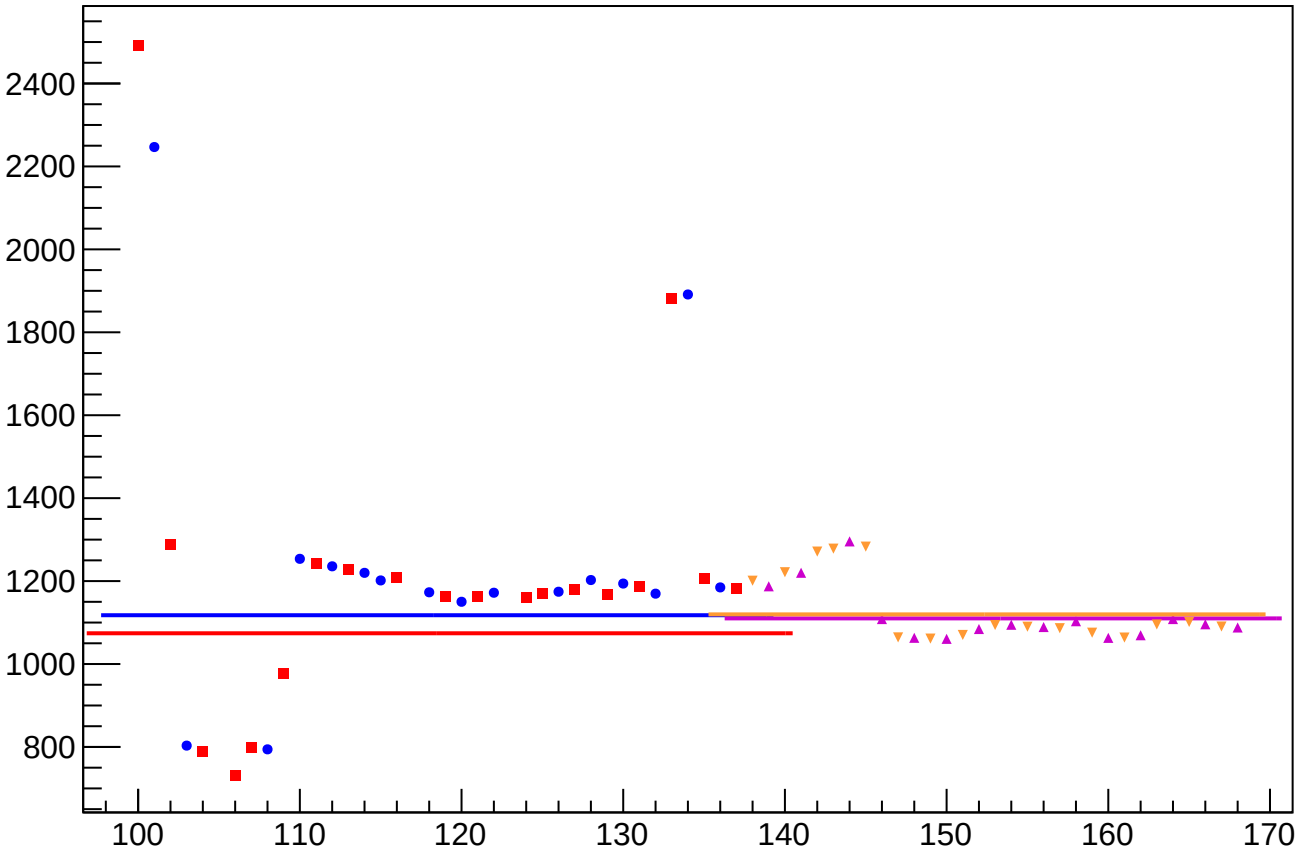
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4644976.2/30

Out: 0.000+/-0.000 χ^2/NDF:3624271.6/34

All: 0.000+/-0.000 χ^2/NDF: 8278888.2/65


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 857.572+/-315.672 χ²/NDF:30.6/15
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -783.233+/-315.550 χ²/NDF:6.3/14
Left: 36.851+/-223.170 χ²/NDF: 50.3/30
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -765.422+/-253.855 χ²/NDF:18.0/30
Out: 497.182+/-250.450 χ²/NDF:47.2/34
All: -125.595+/-178.286 χ²/NDF: 77.7/65



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1119.719+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

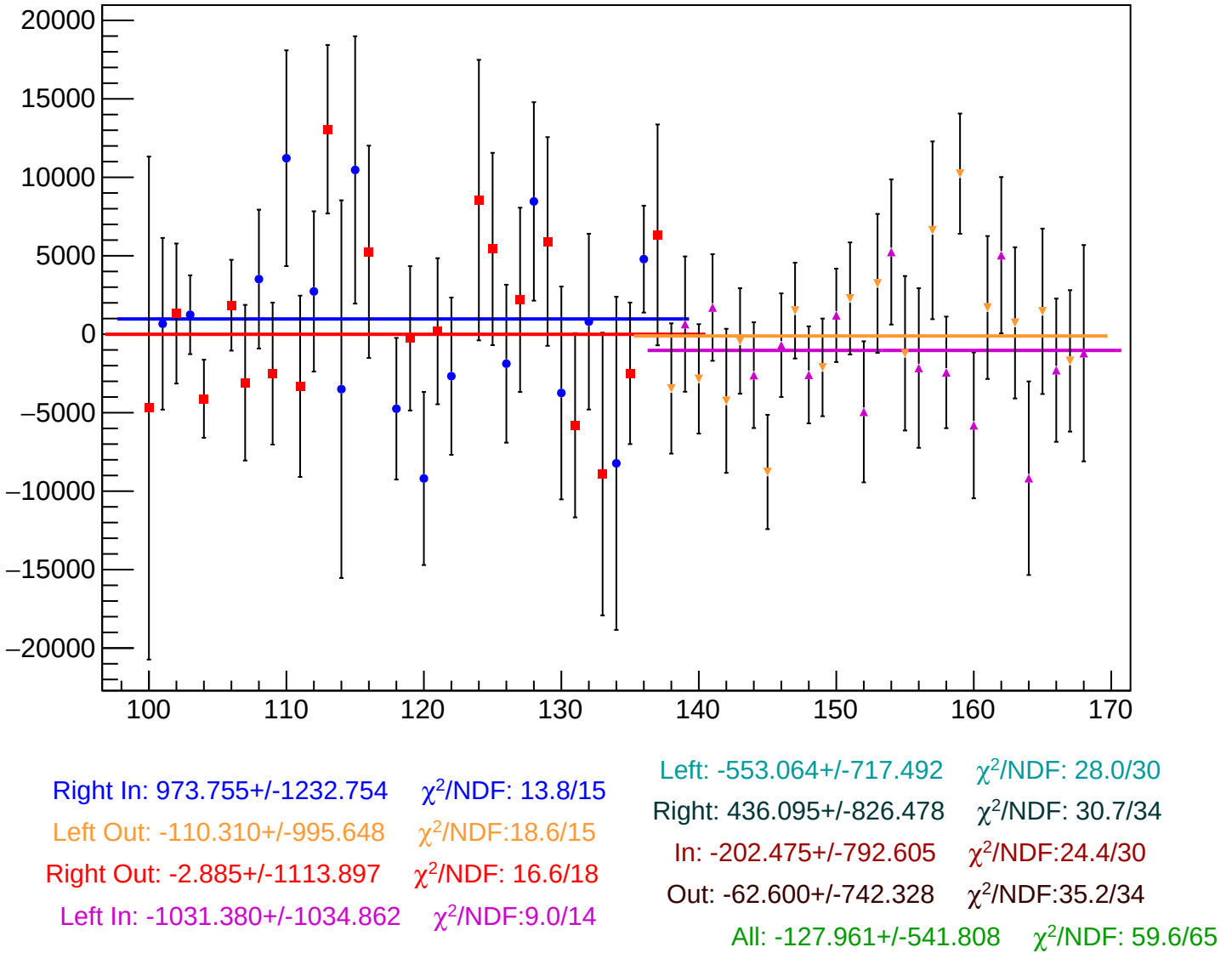
Left: 1114.872+/-0.158 χ^2/NDF: 184516.8/30

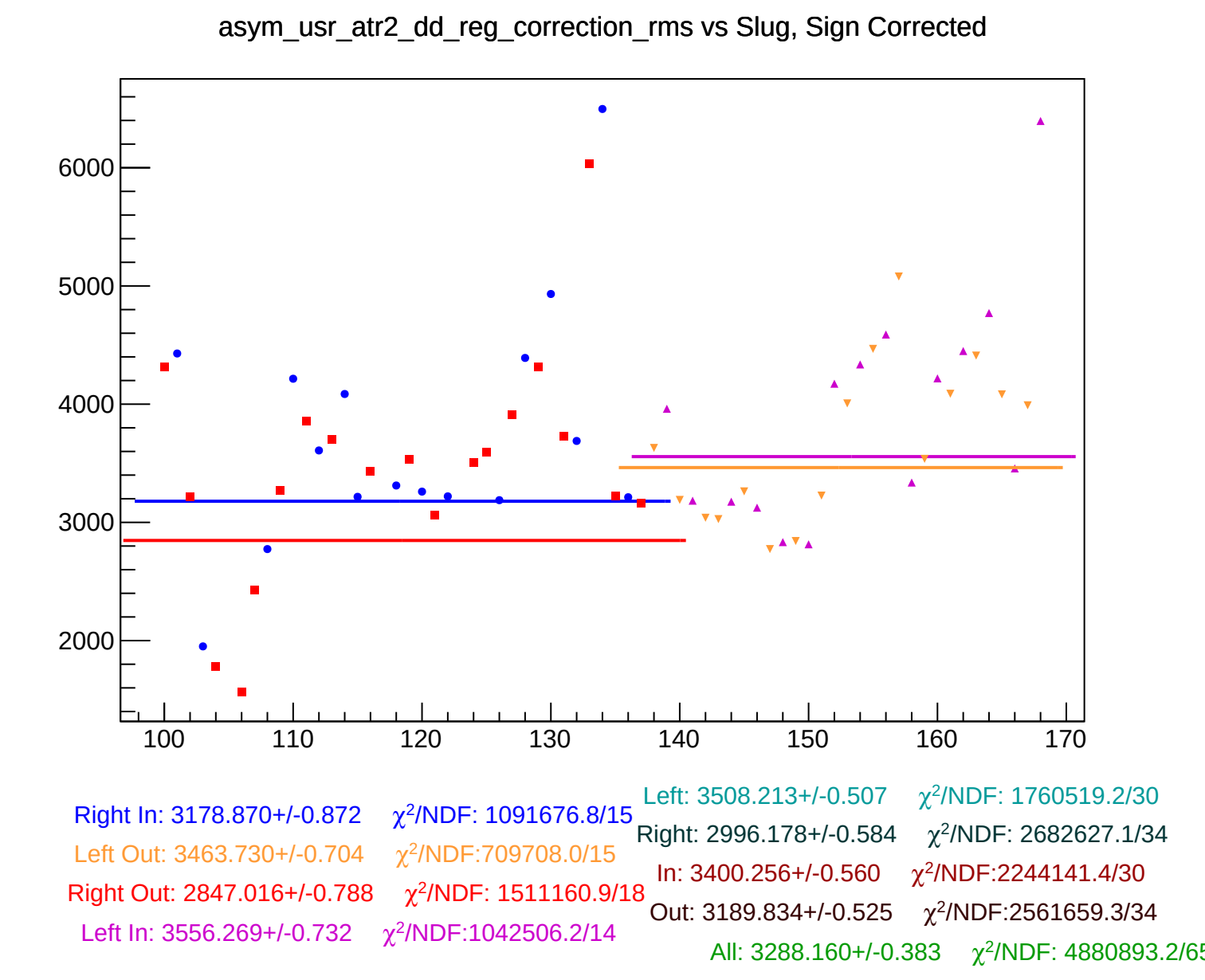
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

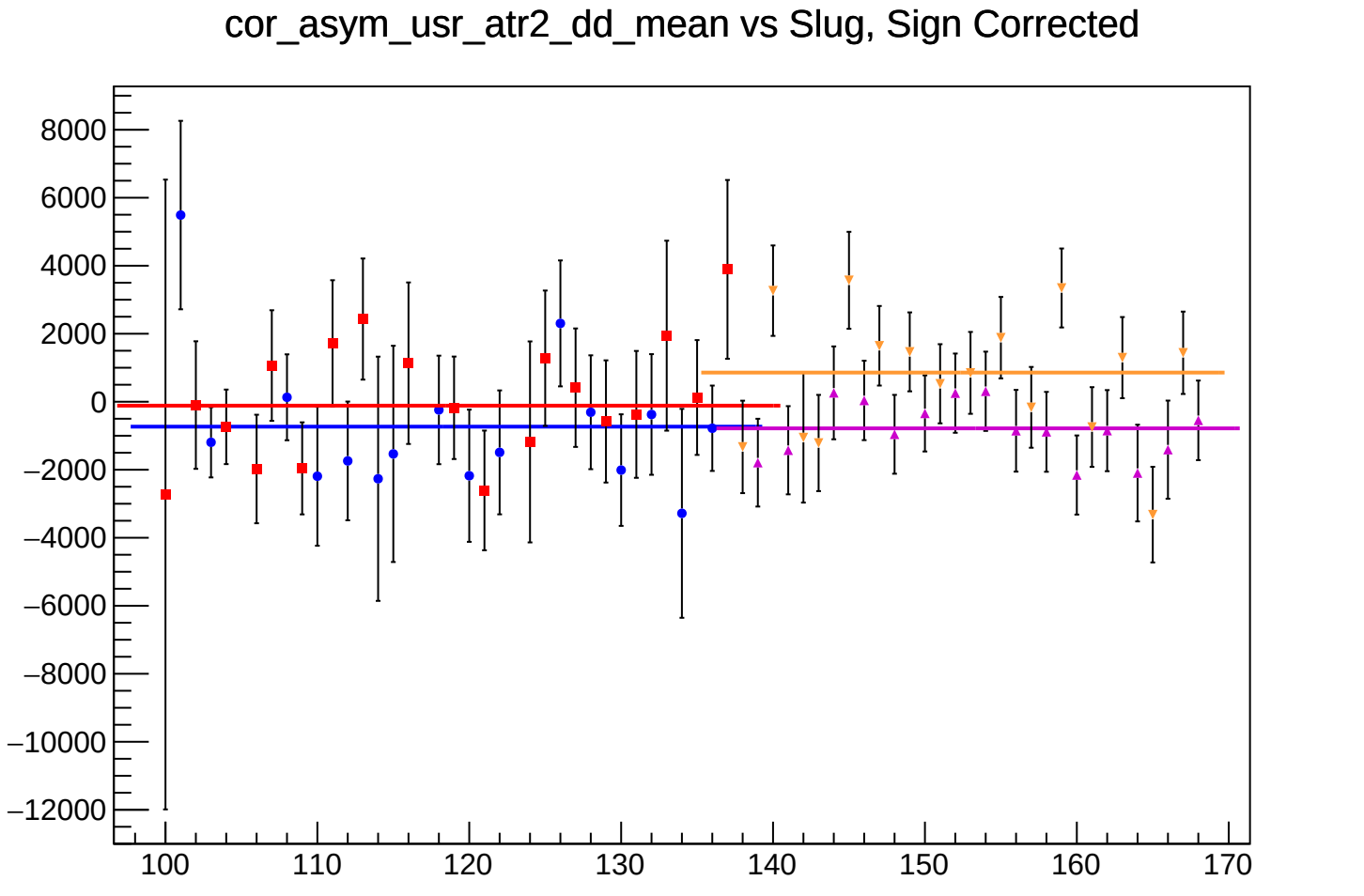
In: 1112.729+/-0.180 χ^2/NDF:894423.7/30

Out: 1102.656+/-0.177 χ^2/NDF:774515.7/34

All: 1107.609+/-0.126 χ^2/NDF: 1670540.2/65


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -110.310+/-995.648 χ²/NDF:18.6/15
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -1031.380+/-1034.862 χ²/NDF:9.0/14
Left: -553.064+/-717.492 χ²/NDF: 28.0/30
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: -202.475+/-792.605 χ²/NDF:24.4/30
Out: -62.600+/-742.328 χ²/NDF:35.2/34
All: -127.961+/-541.808 χ²/NDF: 59.6/65


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3463.730+/-0.704 χ²/NDF:709708.0/15
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3556.269+/-0.732 χ²/NDF:1042506.2/14
Left: 3508.213+/-0.507 χ²/NDF: 1760519.2/30
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3400.256+/-0.560 χ²/NDF:2244141.4/30
Out: 3189.834+/-0.525 χ²/NDF:2561659.3/34
All: 3288.160+/-0.383 χ²/NDF: 4880893.2/65



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF:30.6/15

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -783.225+/-315.550 χ^2/NDF:6.3/14

Left: 36.899+/-223.170 χ^2/NDF: 50.3/30

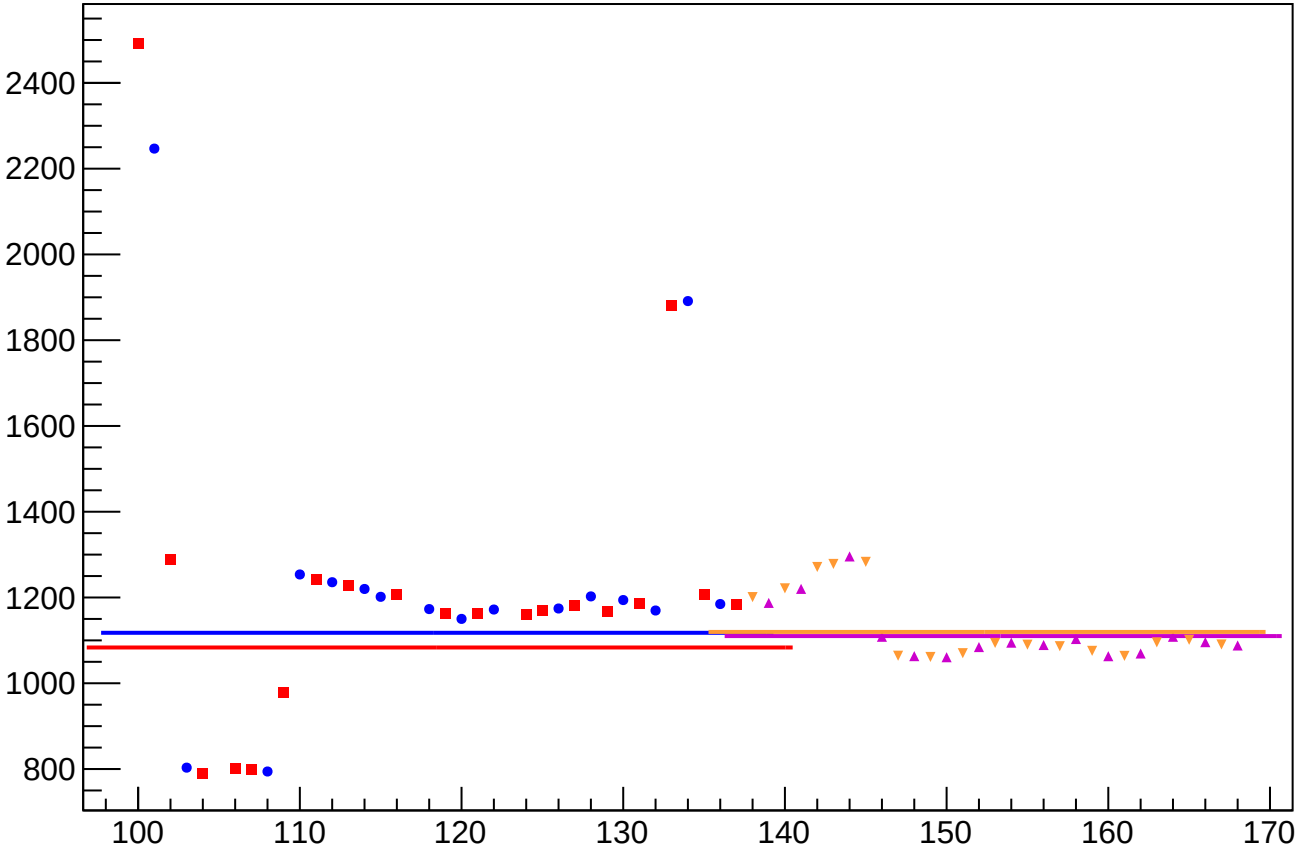
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -765.393+/-253.855 χ^2/NDF:18.0/30

Out: 497.141+/-250.451 χ^2/NDF:47.2/34

All: -125.603+/-178.287 χ^2/NDF: 77.7/65

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

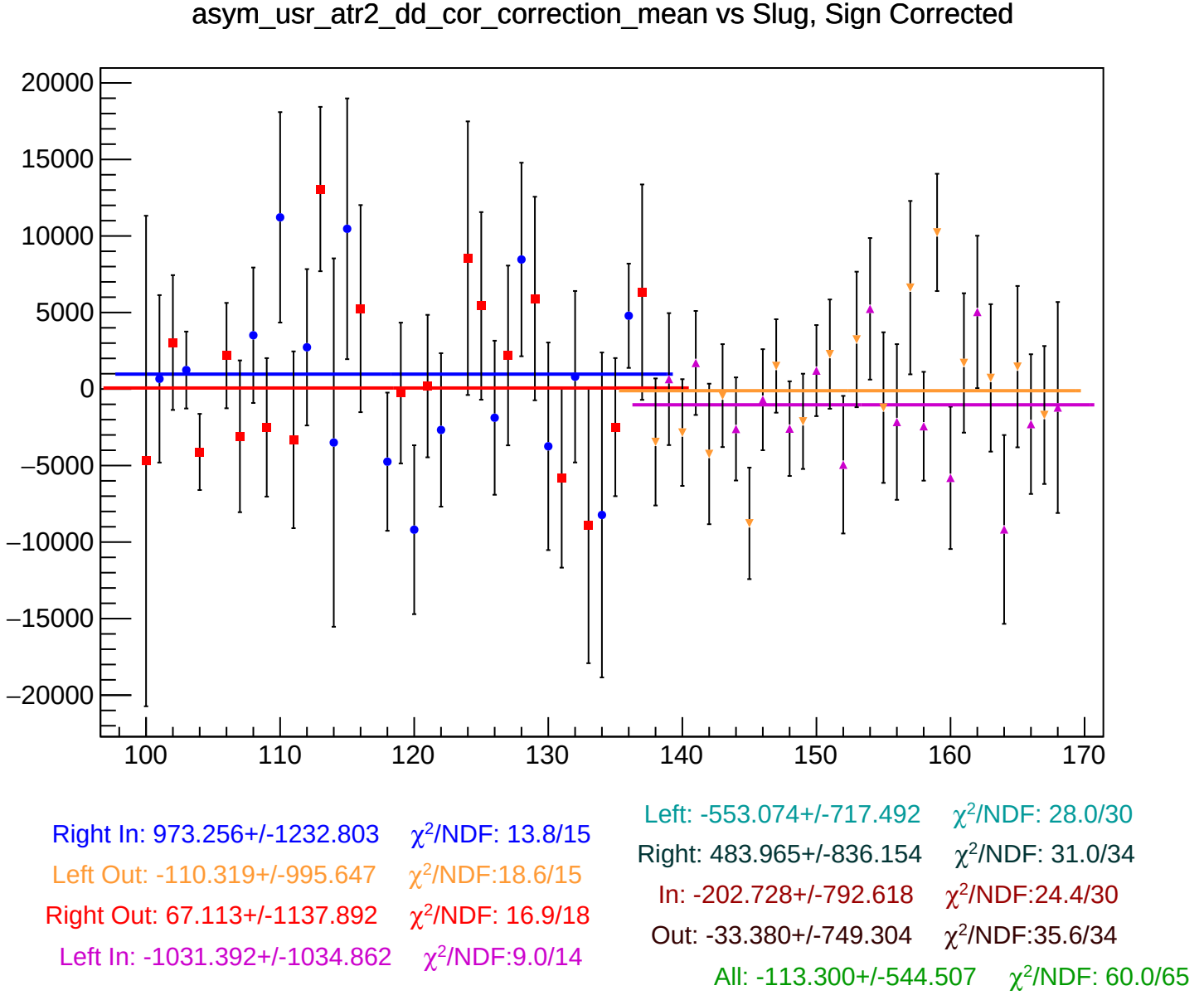
Left: 1114.872+/-0.158 χ^2/NDF: 184516.8/30

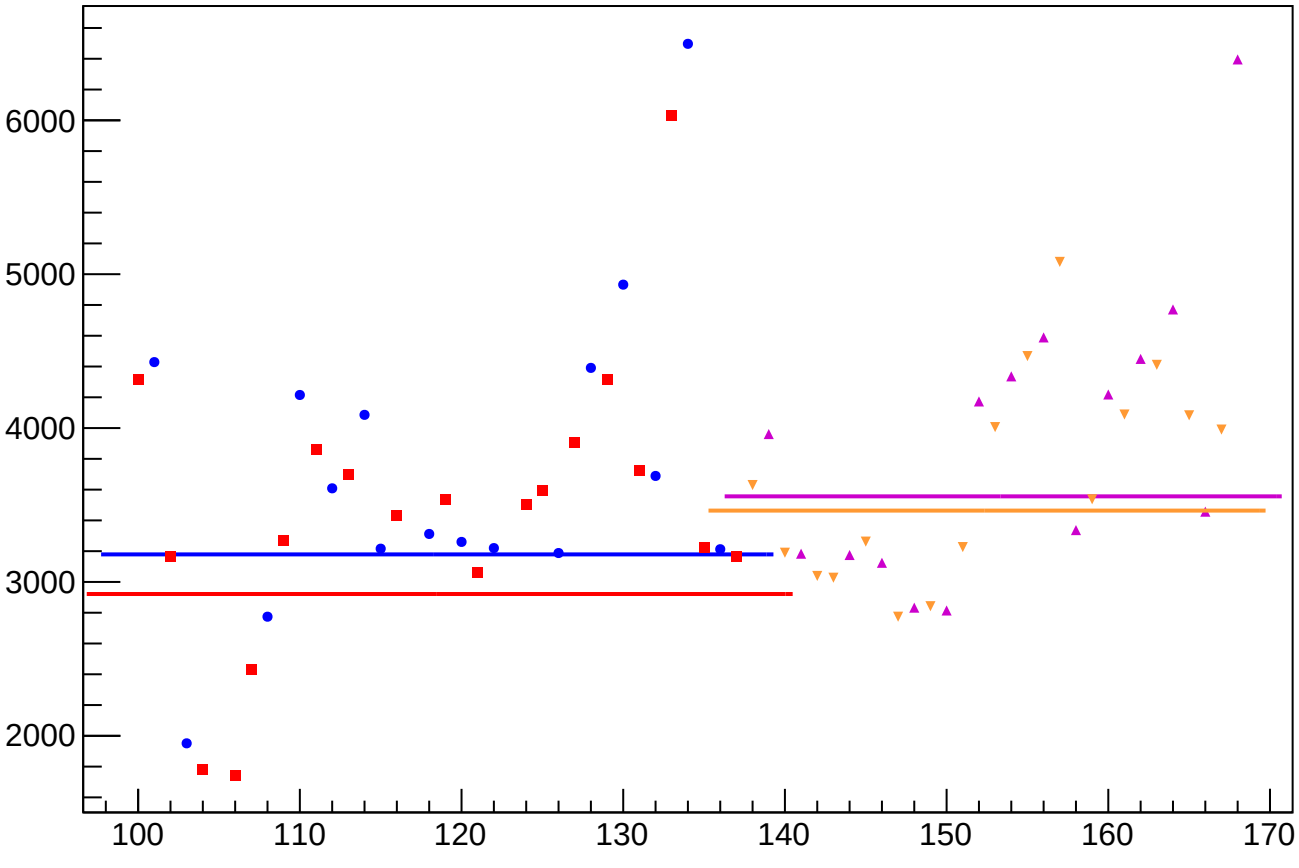
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1112.730+/-0.180 χ^2/NDF:894420.4/30

Out: 1106.237+/-0.177 χ^2/NDF:714239.6/34

All: 1109.437+/-0.126 χ^2/NDF: 1609323.4/65


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -110.319+/-995.647 χ²/NDF:18.6/15
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -1031.392+/-1034.862 χ²/NDF:9.0/14
Left: -553.074+/-717.492 χ²/NDF: 28.0/30
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -202.728+/-792.618 χ²/NDF:24.4/30
Out: -33.380+/-749.304 χ²/NDF:35.6/34
All: -113.300+/-544.507 χ²/NDF: 60.0/65



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3463.726+/-0.704 χ^2/NDF:709712.3/15

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3556.268+/-0.732 χ^2/NDF:1042509.3/14

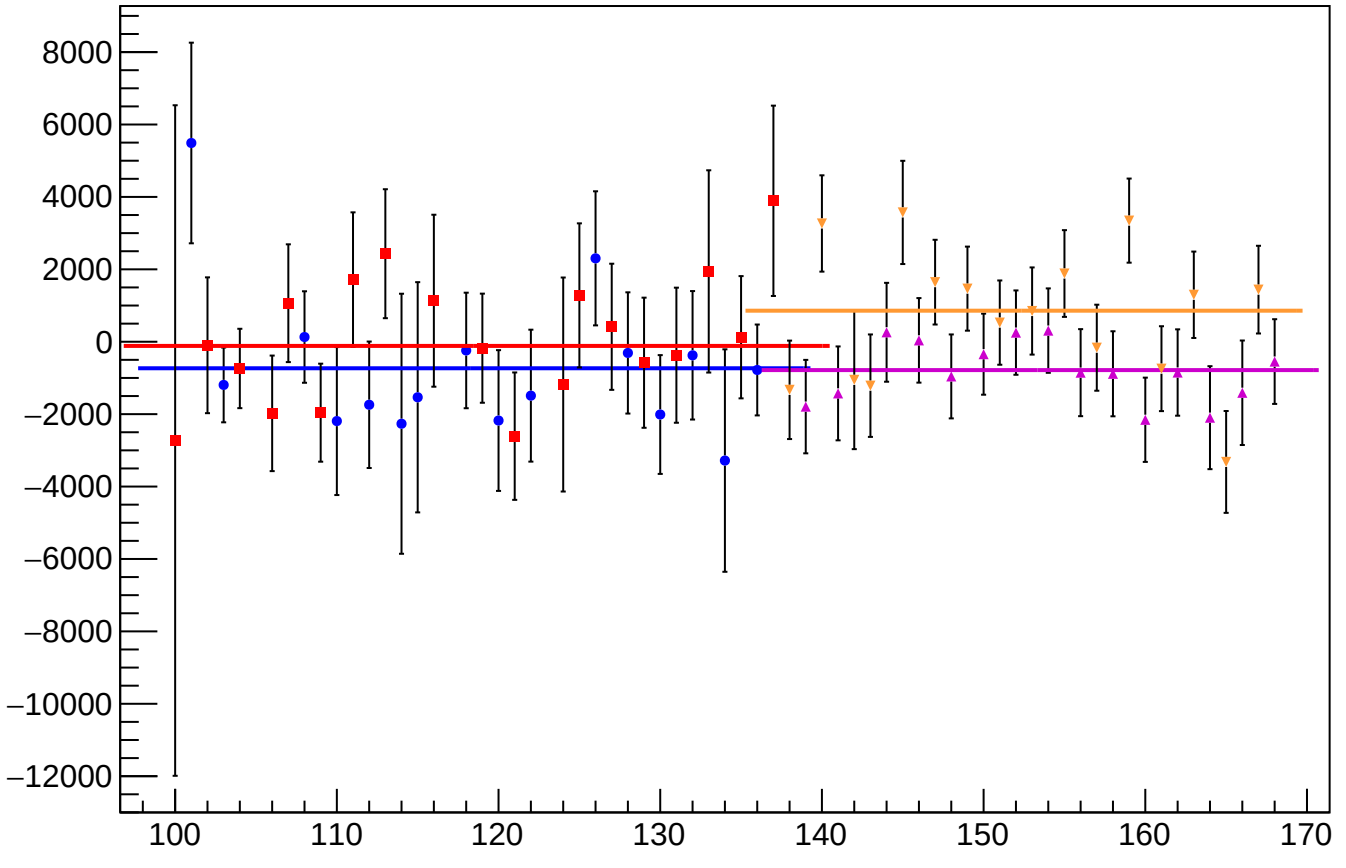
Left: 3508.210+/-0.507 χ^2/NDF: 1760527.0/30

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3400.338+/-0.560 χ^2/NDF:2243590.8/30

Out: 3228.665+/-0.530 χ^2/NDF:2279682.0/34

All: 3309.683+/-0.385 χ^2/NDF: 4572817.8/65



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 857.658+/-315.672 χ^2/NDF:30.6/15

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -783.225+/-315.550 χ^2/NDF:6.3/14

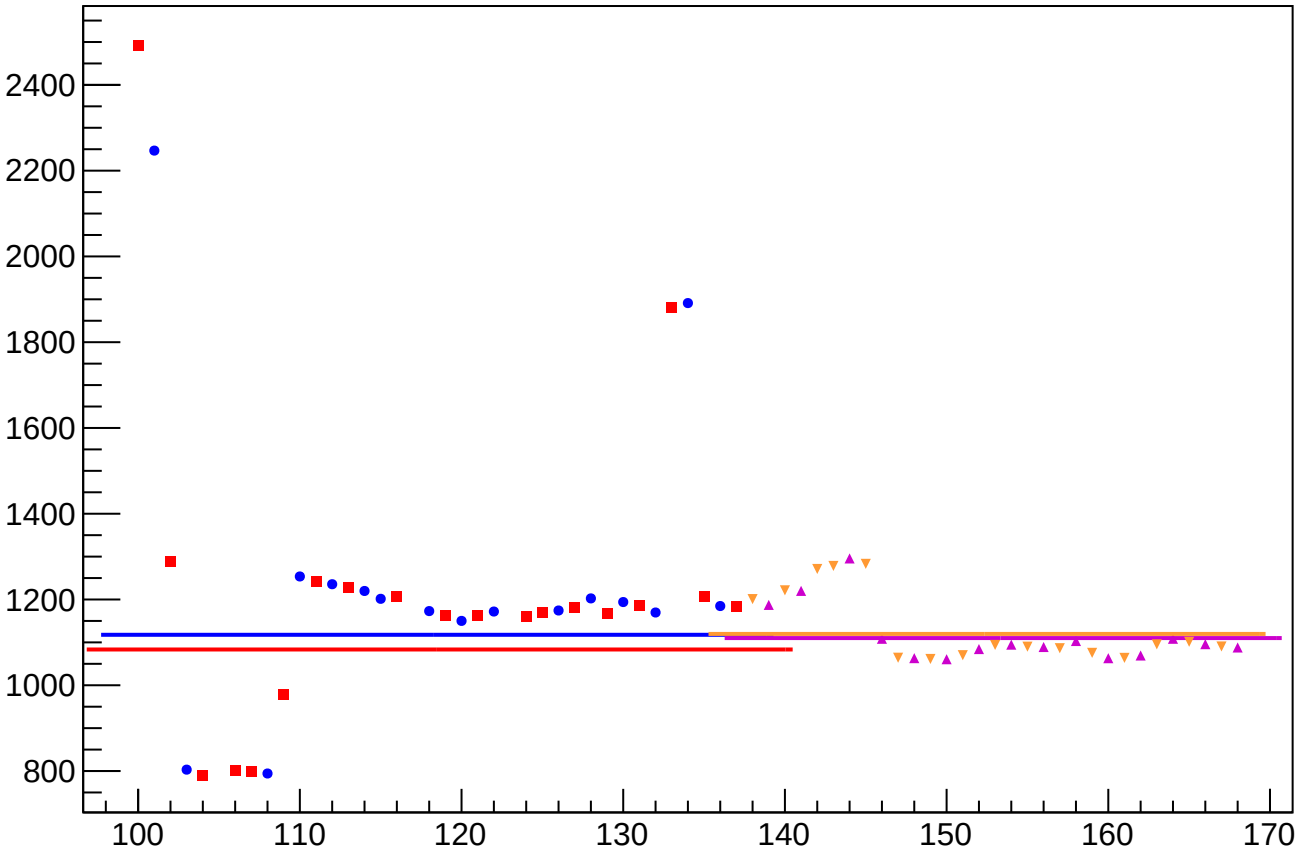
Left: 36.899+/-223.170 χ^2/NDF: 50.3/30

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -765.393+/-253.855 χ^2/NDF:18.0/30

Out: 497.141+/-250.451 χ^2/NDF:47.2/34

All: -125.603+/-178.287 χ^2/NDF: 77.7/65



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1119.720+/-0.223 χ^2/NDF:109400.6/15

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1110.029+/-0.223 χ^2/NDF:74173.4/14

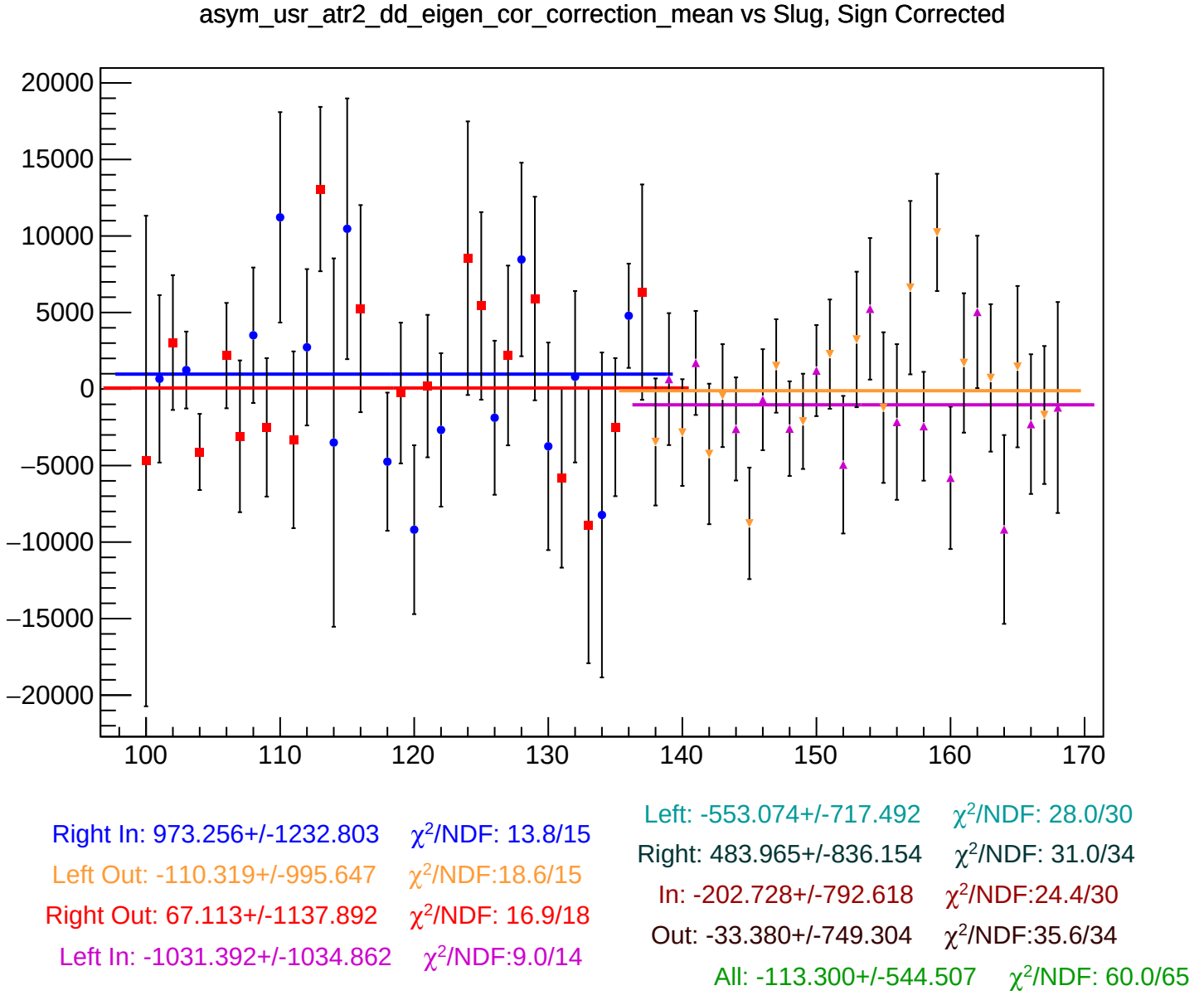
Left: 1114.872+/-0.158 χ^2/NDF: 184516.8/30

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

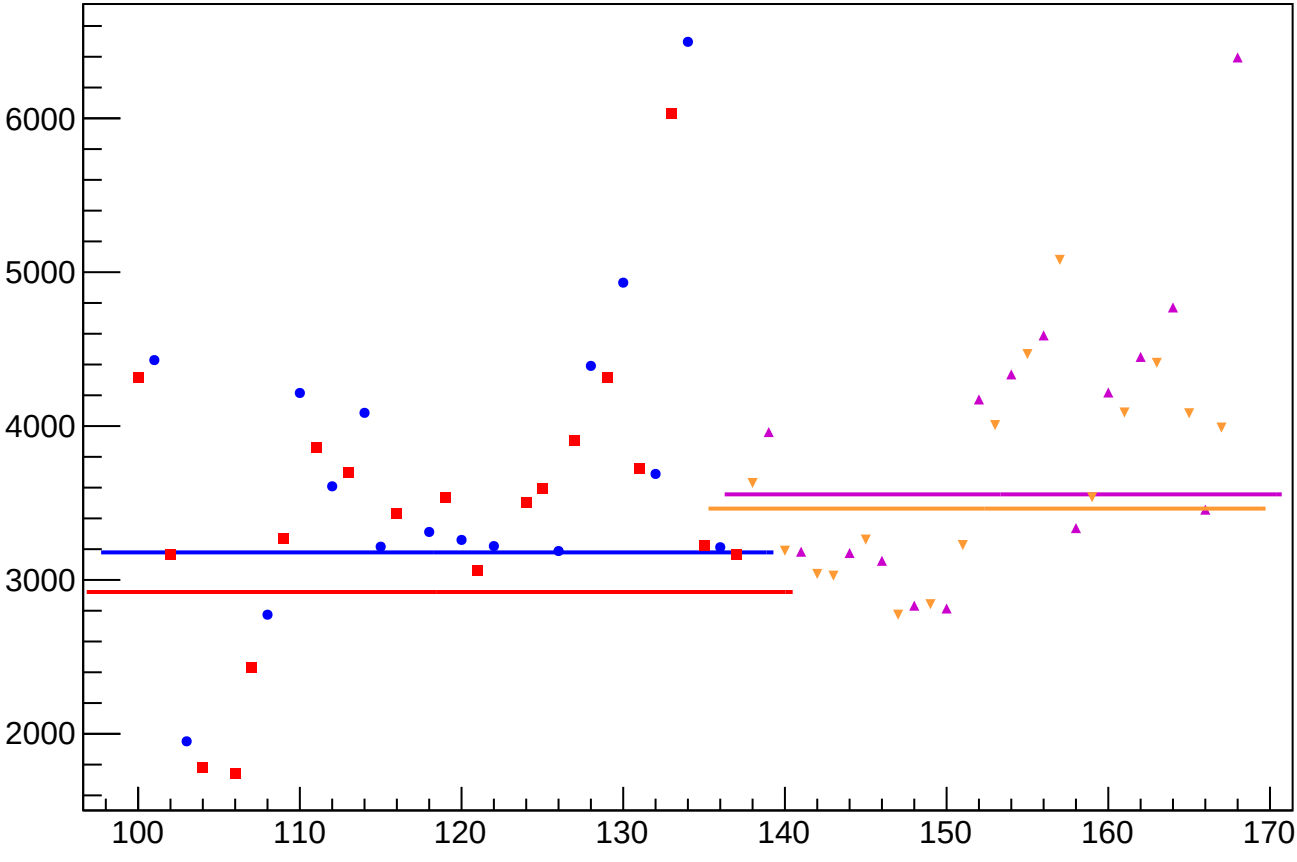
In: 1112.730+/-0.180 χ^2/NDF:894420.4/30

Out: 1106.237+/-0.177 χ^2/NDF:714239.6/34

All: 1109.437+/-0.126 χ^2/NDF: 1609323.4/65


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -110.319+/-995.647 χ²/NDF:18.6/15
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -1031.392+/-1034.862 χ²/NDF:9.0/14
Left: -553.074+/-717.492 χ²/NDF: 28.0/30
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -202.728+/-792.618 χ²/NDF:24.4/30
Out: -33.380+/-749.304 χ²/NDF:35.6/34
All: -113.300+/-544.507 χ²/NDF: 60.0/65

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3463.726+/-0.704 χ^2/NDF:709712.3/15

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3556.268+/-0.732 χ^2/NDF:1042509.3/14

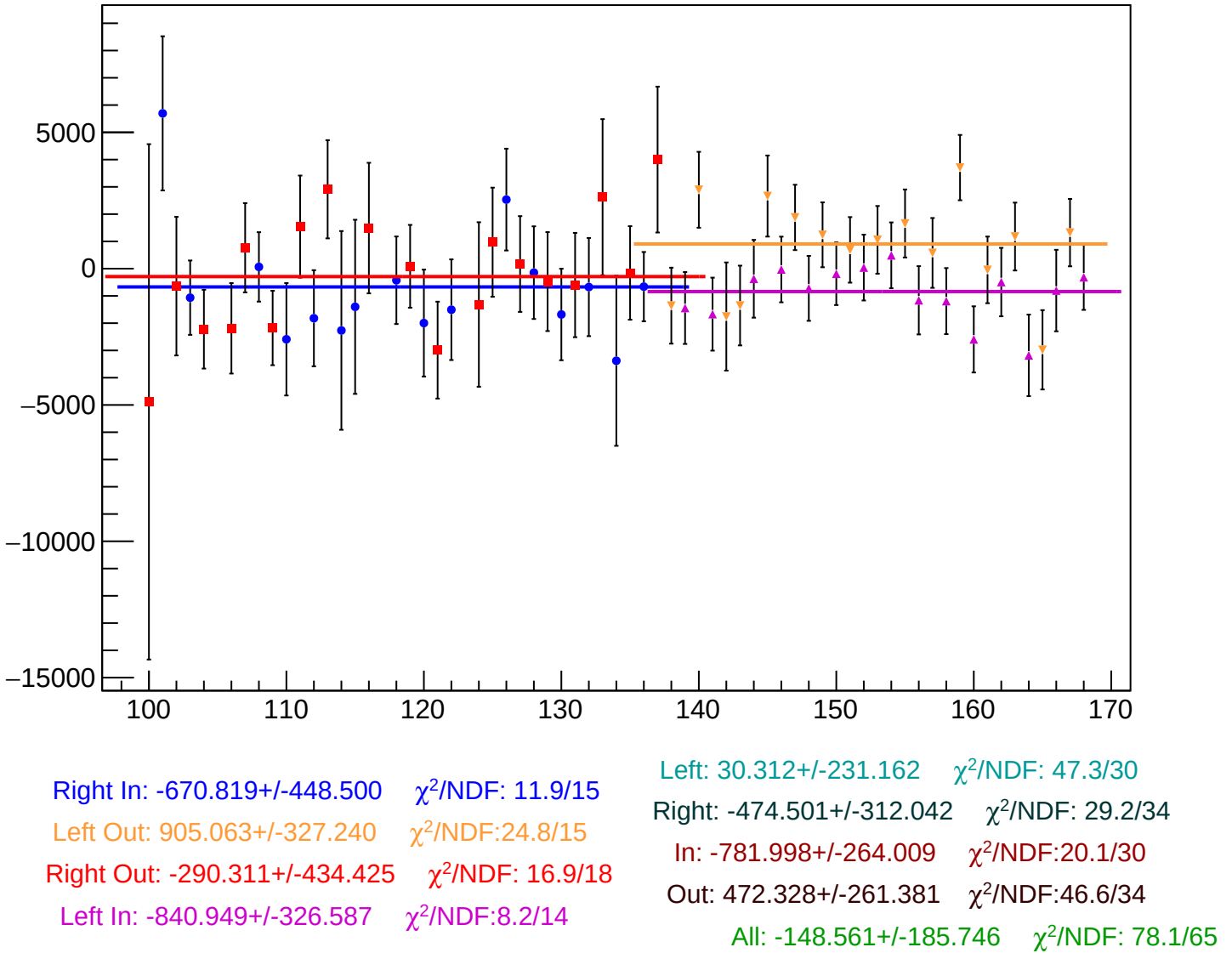
Left: 3508.210+/-0.507 χ^2/NDF: 1760527.0/30

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

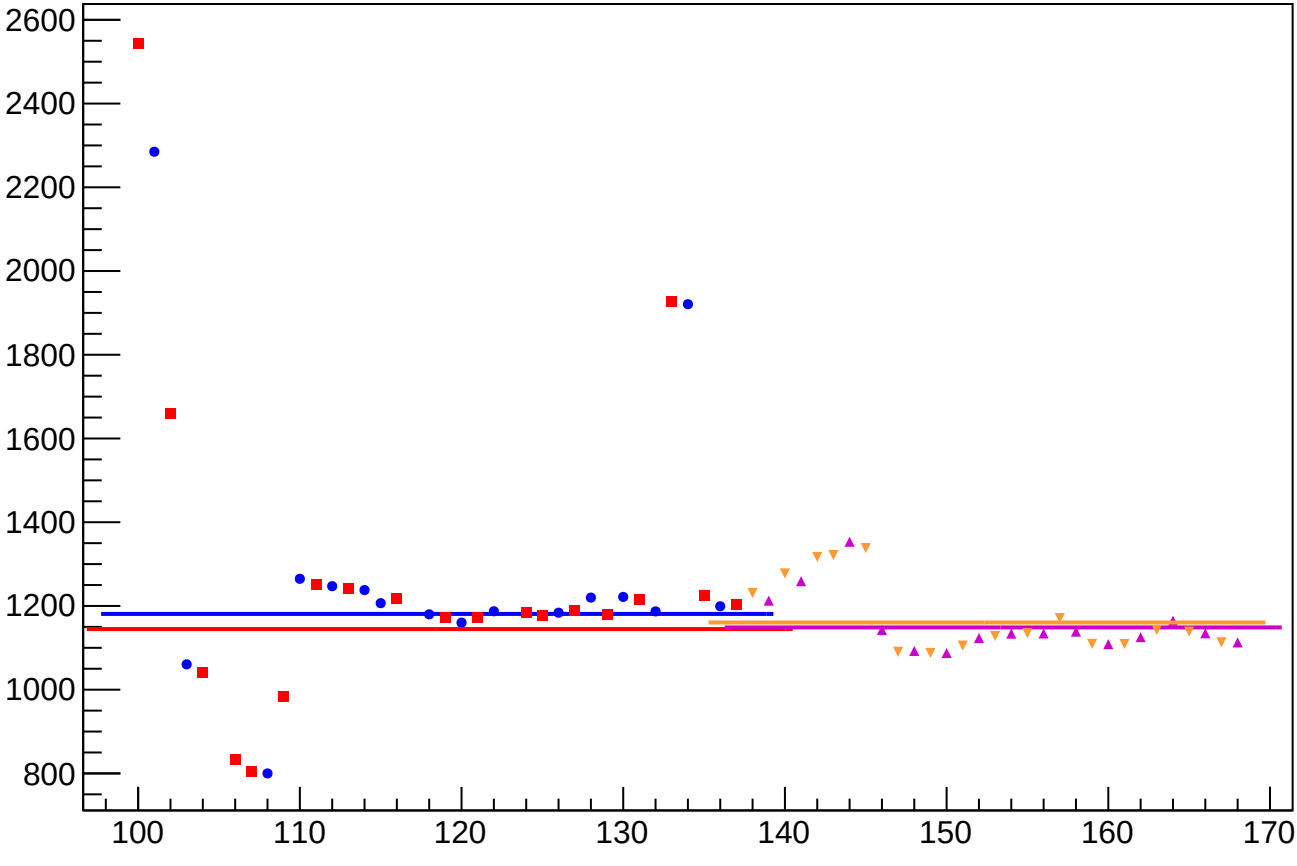
In: 3400.338+/-0.560 χ^2/NDF:2243590.8/30

Out: 3228.665+/-0.530 χ^2/NDF:2279682.0/34

All: 3309.683+/-0.385 χ^2/NDF: 4572817.8/65


dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -670.819+/-448.500 χ²/NDF: 11.9/15
Left Out: 905.063+/-327.240 χ²/NDF:24.8/15
Right Out: -290.311+/-434.425 χ²/NDF: 16.9/18
Left In: -840.949+/-326.587 χ²/NDF:8.2/14
Left: 30.312+/-231.162 χ²/NDF: 47.3/30
Right: -474.501+/-312.042 χ²/NDF: 29.2/34
In: -781.998+/-264.009 χ²/NDF:20.1/30
Out: 472.328+/-261.381 χ²/NDF:46.6/34
All: -148.561+/-185.746 χ²/NDF: 78.1/65

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1160.495+/-0.231 χ^2/NDF:116405.6/15

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1148.712+/-0.231 χ^2/NDF:76296.9/14

Left: 1154.592+/-0.163 χ^2/NDF: 194001.5/30

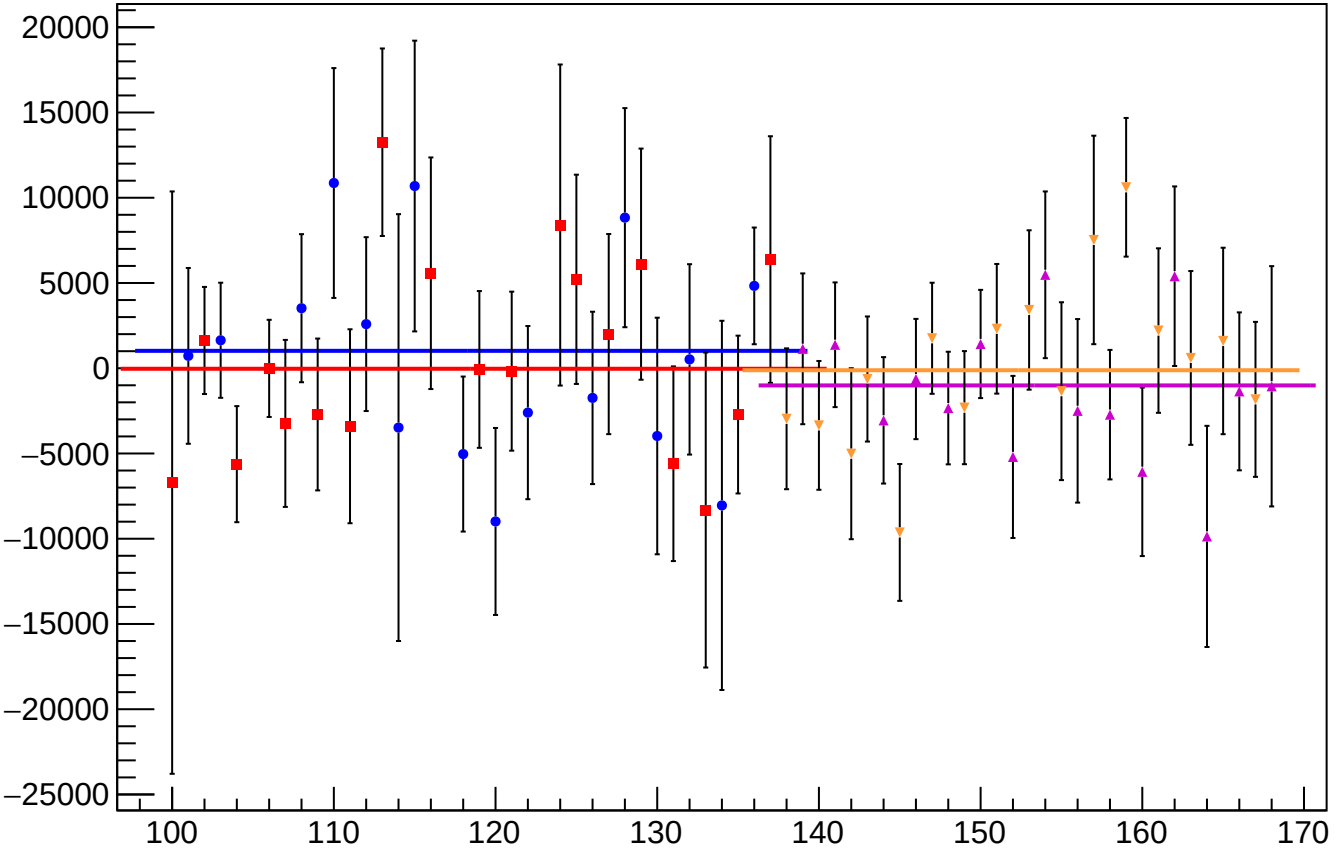
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1159.885+/-0.187 χ^2/NDF:704930.5/30

Out: 1154.801+/-0.185 χ^2/NDF:615807.5/34

All: 1157.317+/-0.131 χ^2/NDF: 1321112.5/65

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -117.039+/-1058.710 χ^2/NDF:18.6/15

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -1007.740+/-1099.389 χ^2/NDF:8.9/14

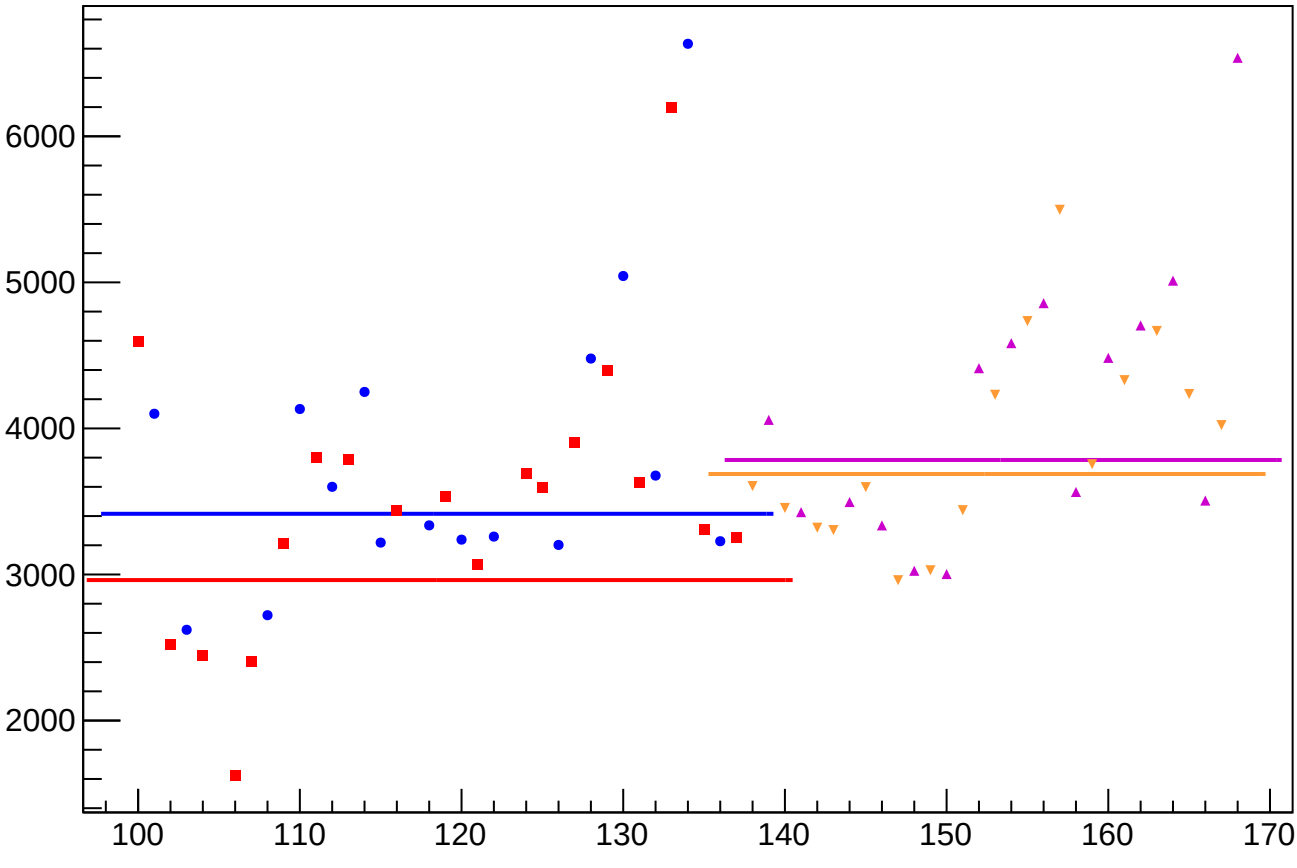
Left: -545.606+/-762.597 χ^2/NDF: 27.9/30

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -163.637+/-840.107 χ^2/NDF:24.2/30

Out: -76.443+/-772.833 χ^2/NDF:34.8/34

All: -116.409+/-568.774 χ^2/NDF: 59.0/65



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3688.028+/-0.749 χ^2/NDF:652538.2/15

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3784.036+/-0.777 χ^2/NDF:957747.9/14

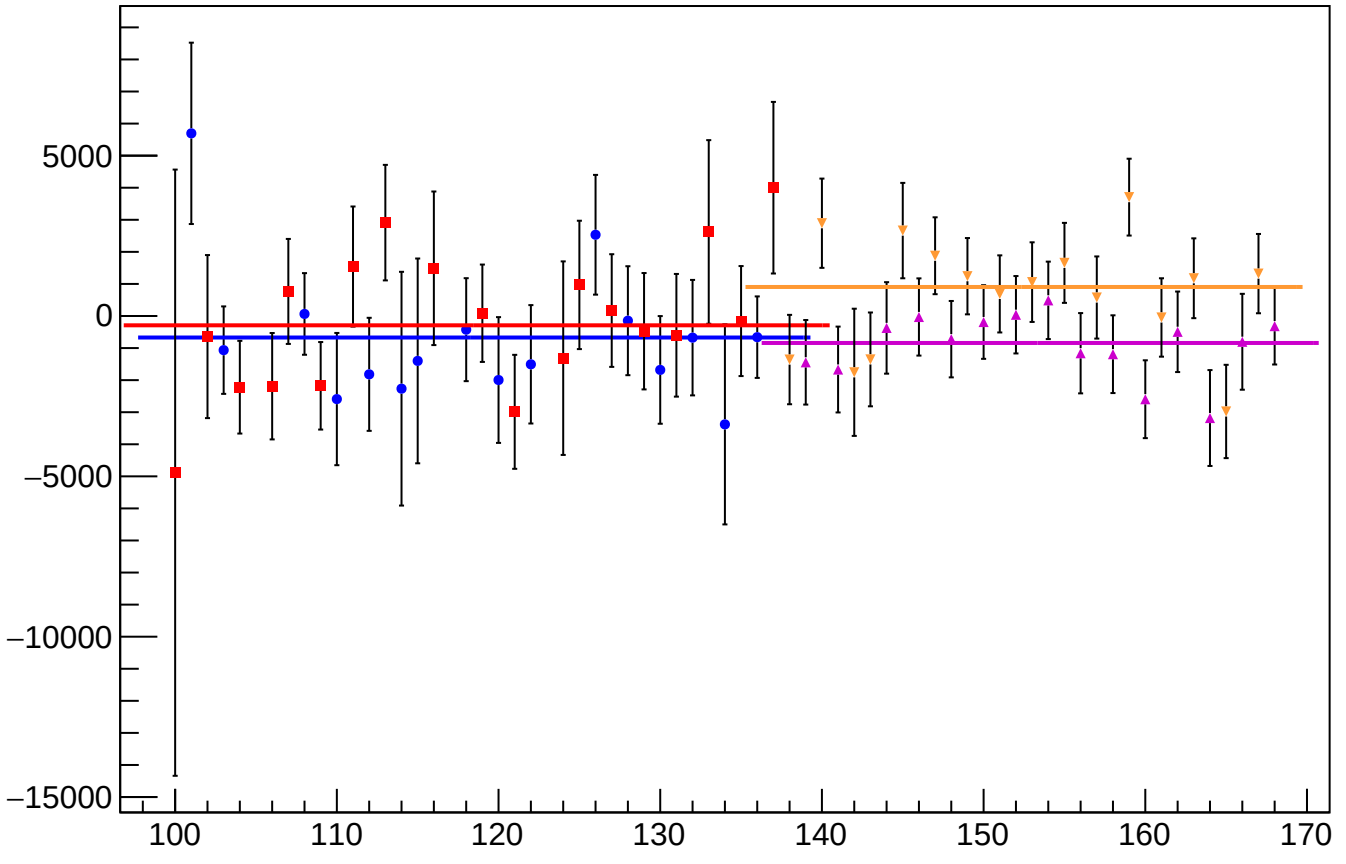
Left: 3734.223+/-0.539 χ^2/NDF: 1618199.6/30

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3630.741+/-0.594 χ^2/NDF:1643551.0/30

Out: 3348.780+/-0.546 χ^2/NDF:2261405.2/34

All: 3478.021+/-0.402 χ^2/NDF: 4026980.7/65



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 905.070+/-327.240 χ^2/NDF:24.8/15

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -840.950+/-326.587 χ^2/NDF:8.2/14

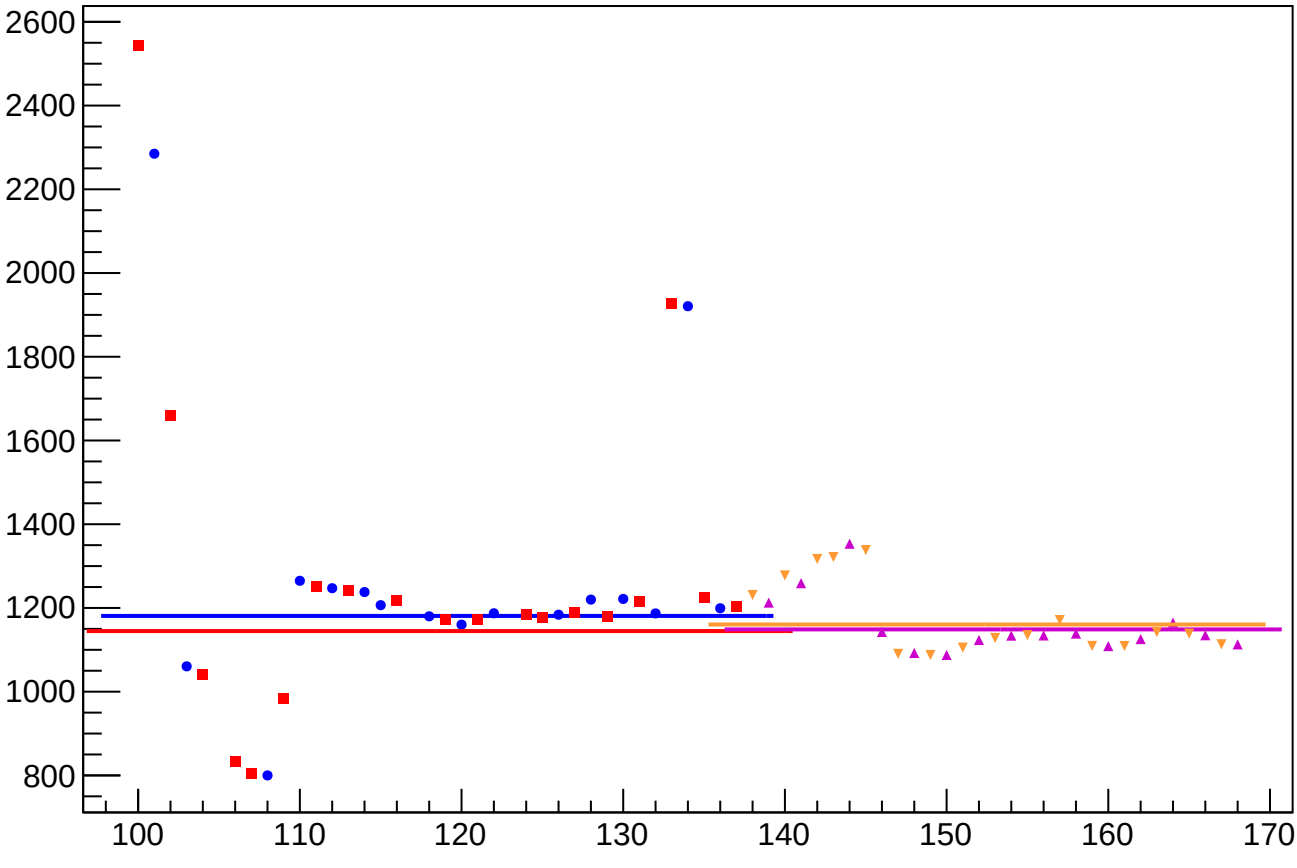
Left: 30.315+/-231.162 χ^2/NDF: 47.3/30

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -782.000+/-264.009 χ^2/NDF:20.1/30

Out: 472.330+/-261.381 χ^2/NDF:46.6/34

All: -148.561+/-185.746 χ^2/NDF: 78.1/65



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1160.496+/-0.231 χ^2/NDF:116405.2/15

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1148.713+/-0.231 χ^2/NDF:76296.3/14

Left: 1154.593+/-0.163 χ^2/NDF: 194000.5/30

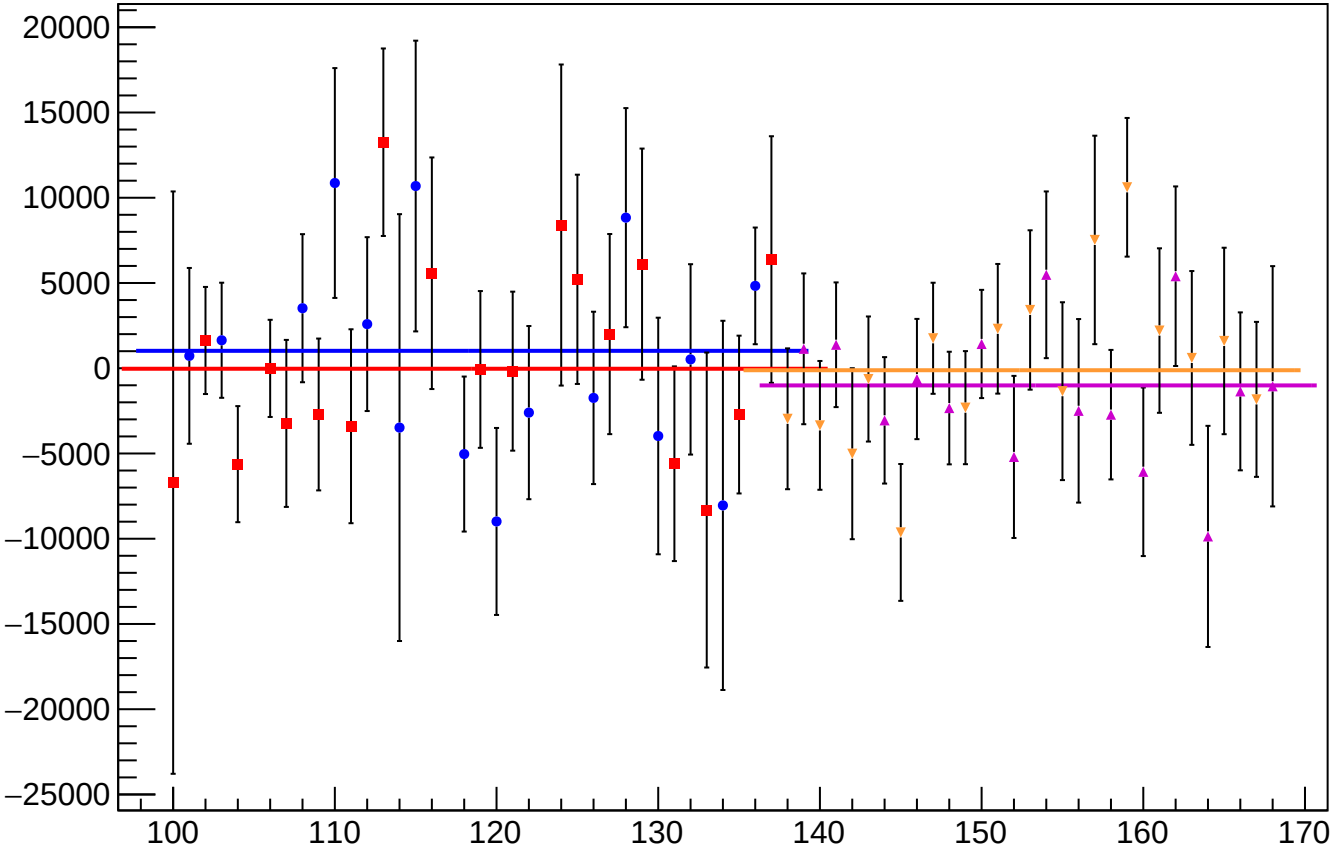
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1159.885+/-0.187 χ^2/NDF:704929.7/30

Out: 1154.802+/-0.185 χ^2/NDF:615806.9/34

All: 1157.318+/-0.131 χ^2/NDF: 1321111.1/65

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: -117.036+/-1058.712 χ^2/NDF:18.6/15

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -1007.738+/-1099.391 χ^2/NDF:8.9/14

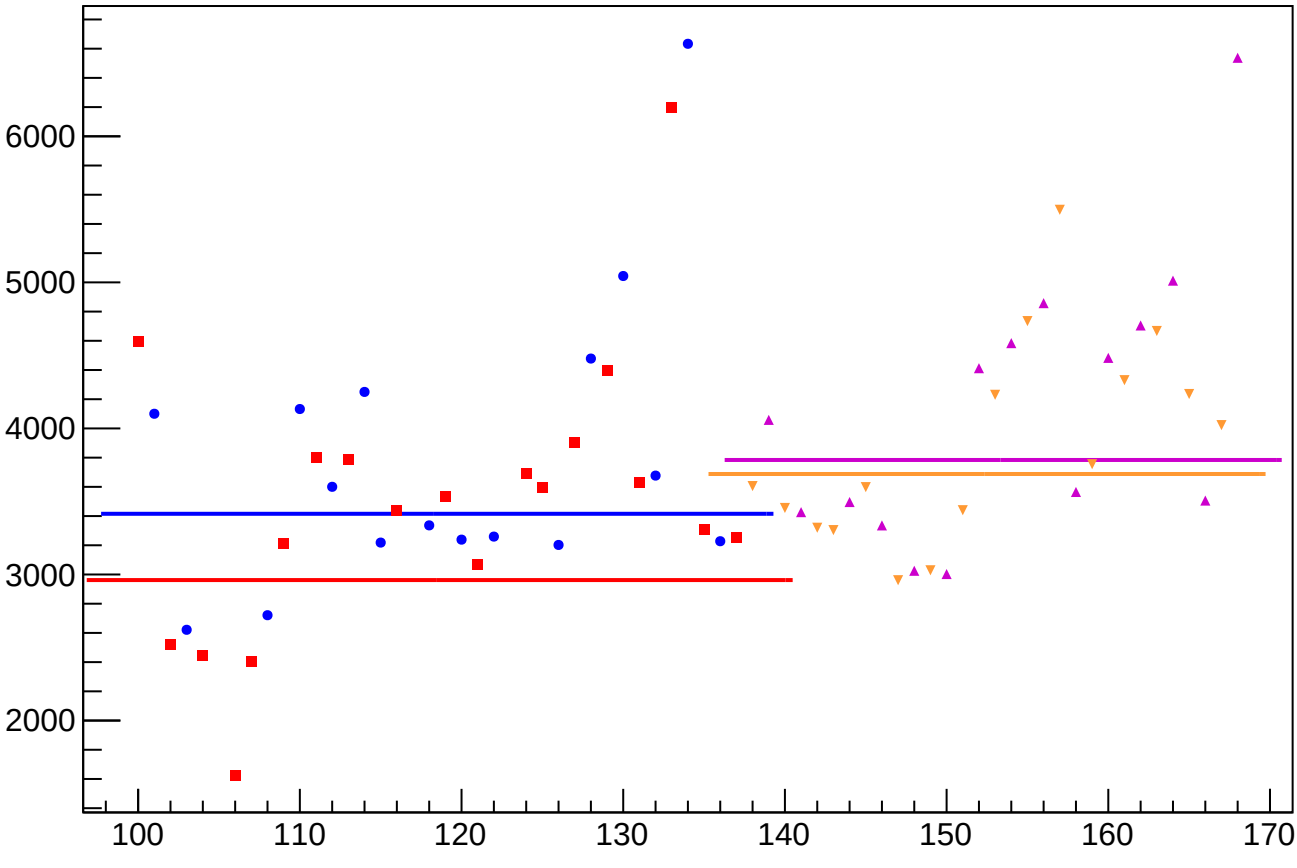
Left: -545.604+/-762.598 χ^2/NDF: 27.9/30

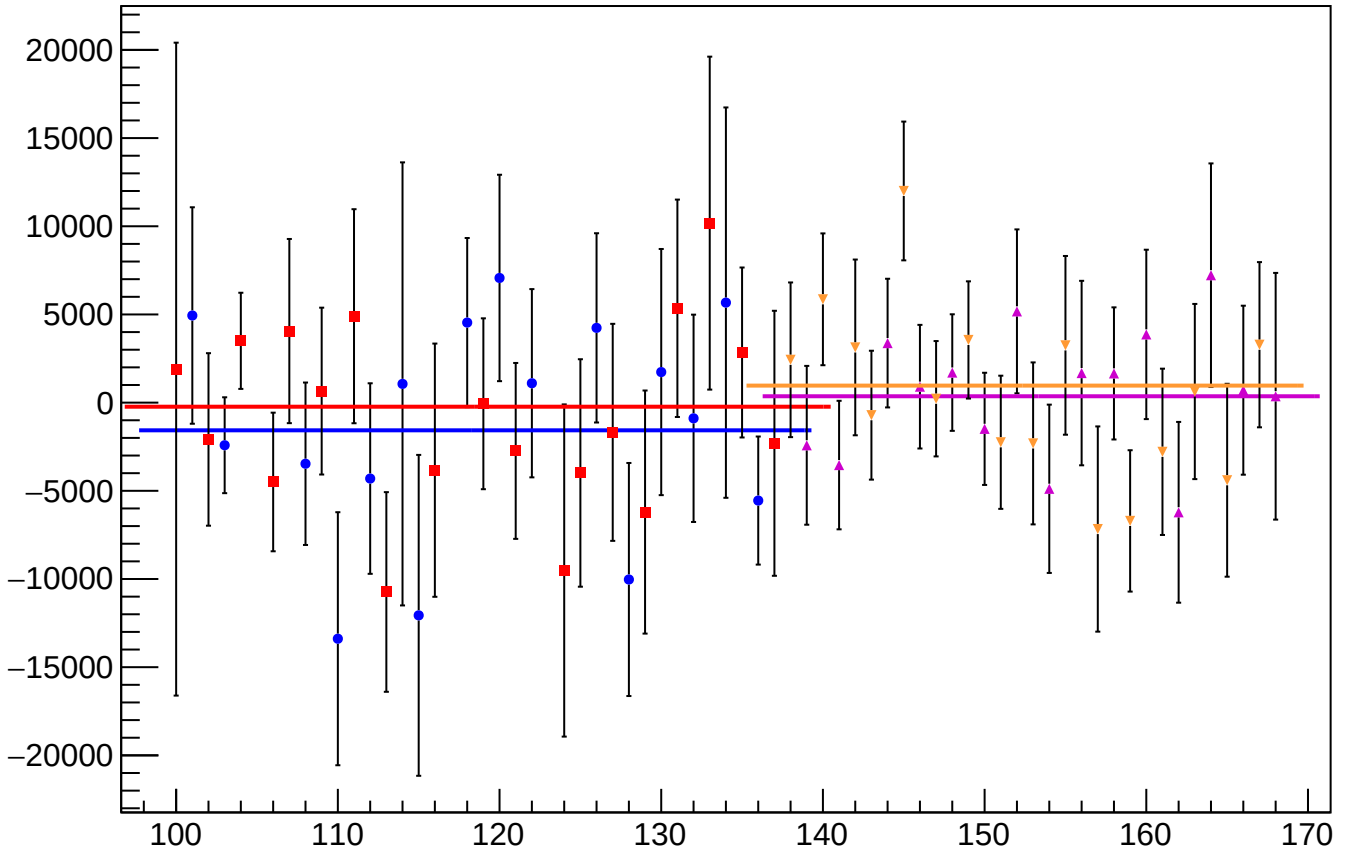
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -163.640+/-840.107 χ^2/NDF:24.2/30

Out: -76.444+/-772.833 χ^2/NDF:34.8/34

All: -116.412+/-568.774 χ^2/NDF: 59.0/65


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3688.034+/-0.749 χ²/NDF:652538.6/15
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3784.041+/-0.777 χ²/NDF:957747.5/14
Left: 3734.228+/-0.539 χ²/NDF: 1618199.6/30
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3630.742+/-0.594 χ²/NDF:1643550.2/30
Out: 3348.780+/-0.546 χ²/NDF:2261418.2/34
All: 3478.021+/-0.402 χ²/NDF: 4026994.3/65



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 965.539+/-1053.894 χ^2/NDF:19.7/15

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 361.458+/-1091.055 χ^2/NDF:8.6/14

Left: 673.961+/-758.013 χ^2/NDF: 28.4/30

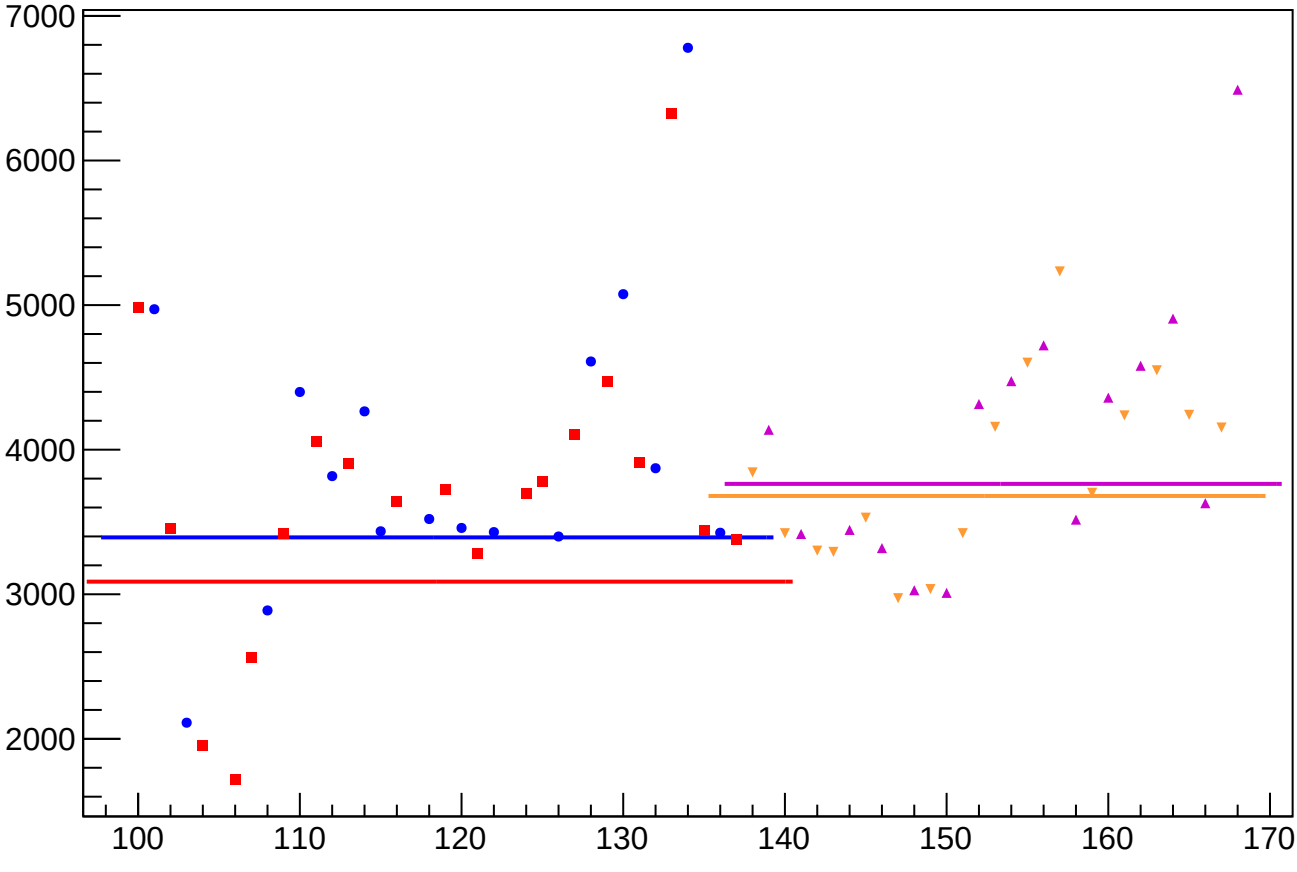
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -427.430+/-839.133 χ^2/NDF:24.3/30

Out: 456.227+/-798.730 χ^2/NDF:33.4/34

All: 36.183+/-578.544 χ^2/NDF: 58.3/65

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3679.940+/-0.745 χ^2/NDF:588178.9/15

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3763.437+/-0.771 χ^2/NDF:891234.8/14

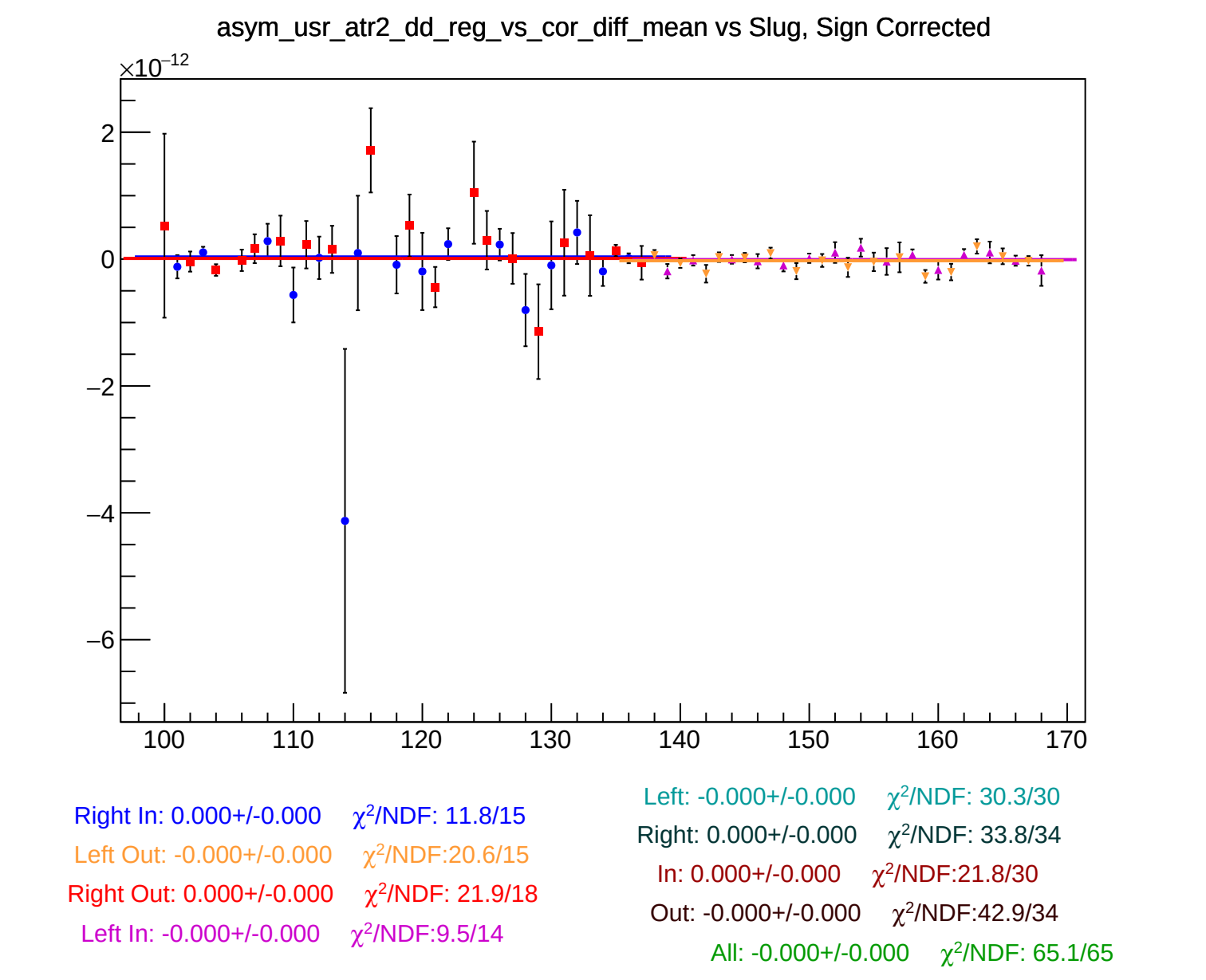
Left: 3720.243+/-0.536 χ^2/NDF: 1485473.1/30

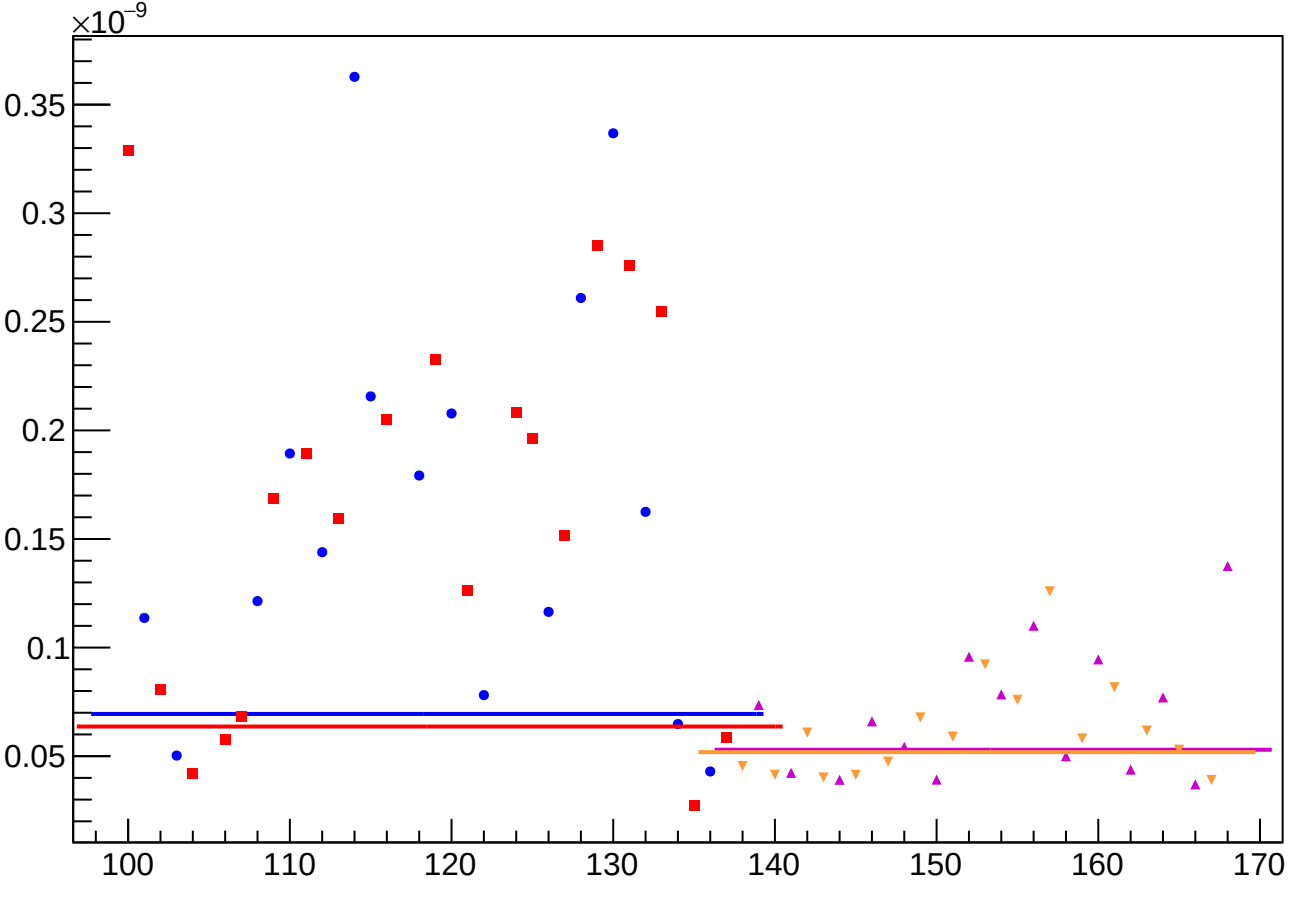
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3612.269+/-0.593 χ^2/NDF:2033932.6/30

Out: 3422.803+/-0.561 χ^2/NDF:2190936.6/34

All: 3512.180+/-0.408 χ^2/NDF: 4278732.0/65


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:20.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.5/14
Left: -0.000+/-0.000 χ²/NDF: 30.3/30
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: 0.000+/-0.000 χ²/NDF:21.8/30
Out: -0.000+/-0.000 χ²/NDF:42.9/34
All: -0.000+/-0.000 χ²/NDF: 65.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:775420.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1162709.5/14

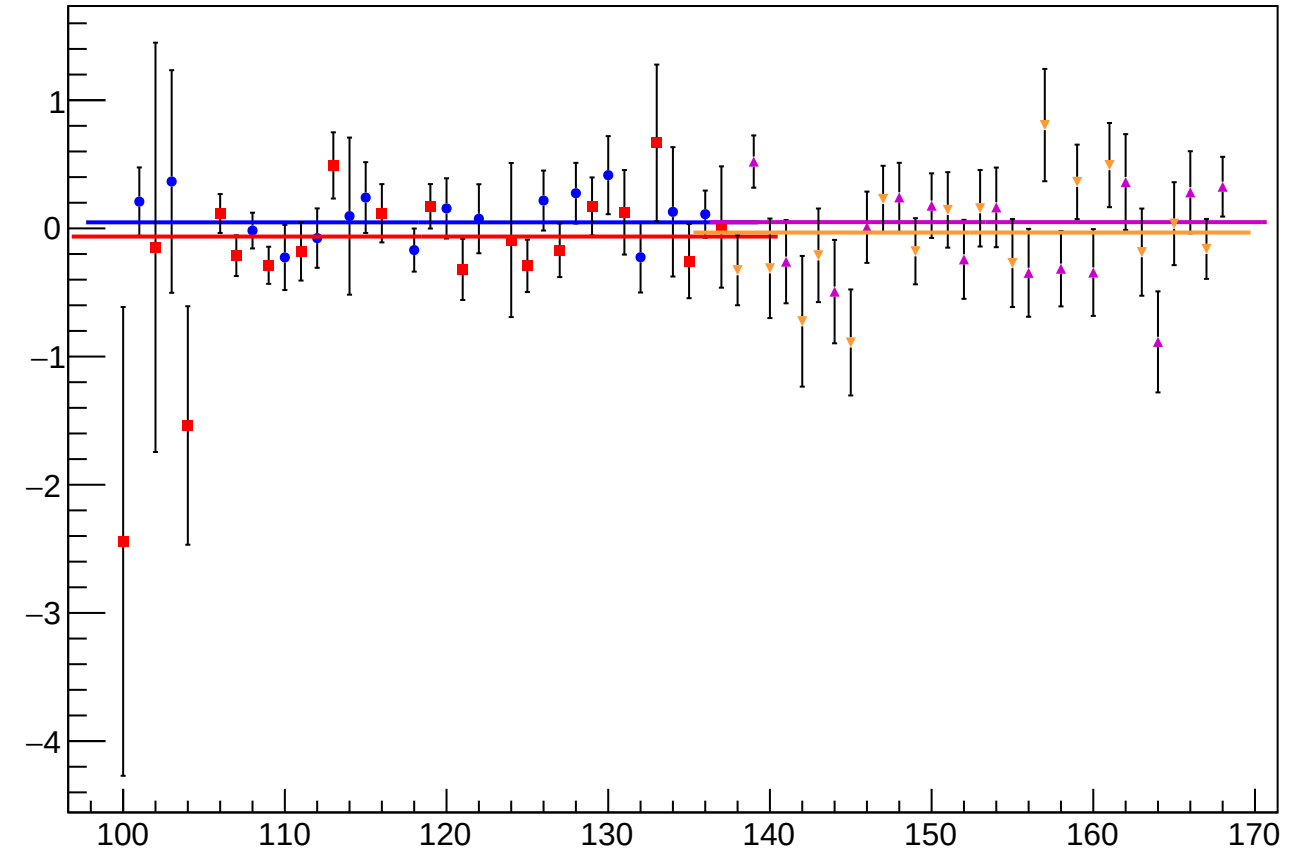
Left: 0.000+/-0.000 χ^2/NDF: 1939966.8/30

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:3067454.6/30

Out: 0.000+/-0.000 χ^2/NDF:3116172.4/34

All: 0.000+/-0.000 χ^2/NDF: 6195204.1/65



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.049+/-0.076 χ^2/NDF:22.4/14

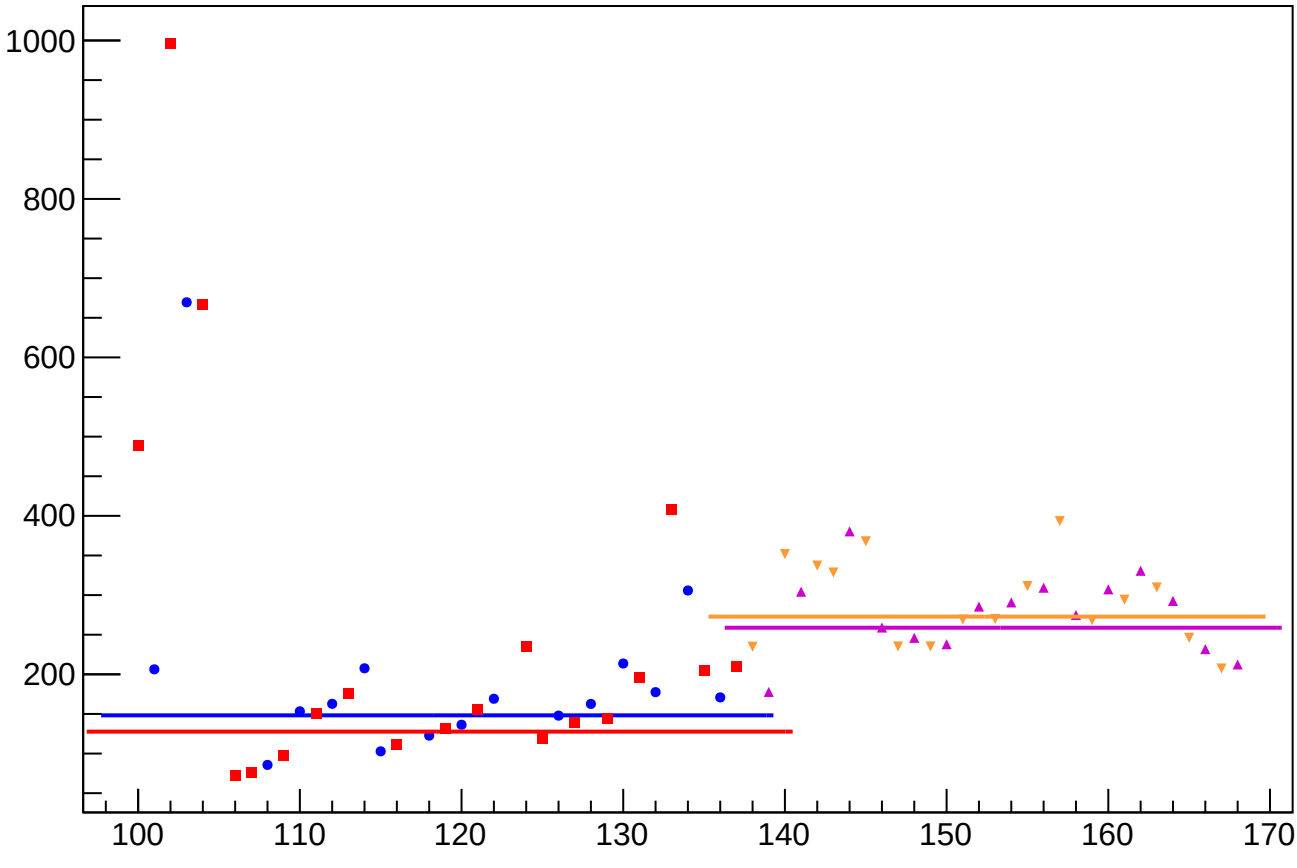
Left: 0.010+/-0.055 χ^2/NDF: 42.2/30

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.048+/-0.047 χ^2/NDF:30.9/30

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.005+/-0.032 χ^2/NDF: 74.9/65



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 272.825+/-0.056 χ^2/NDF:770194.7/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.818+/-0.054 χ^2/NDF:863434.5/14

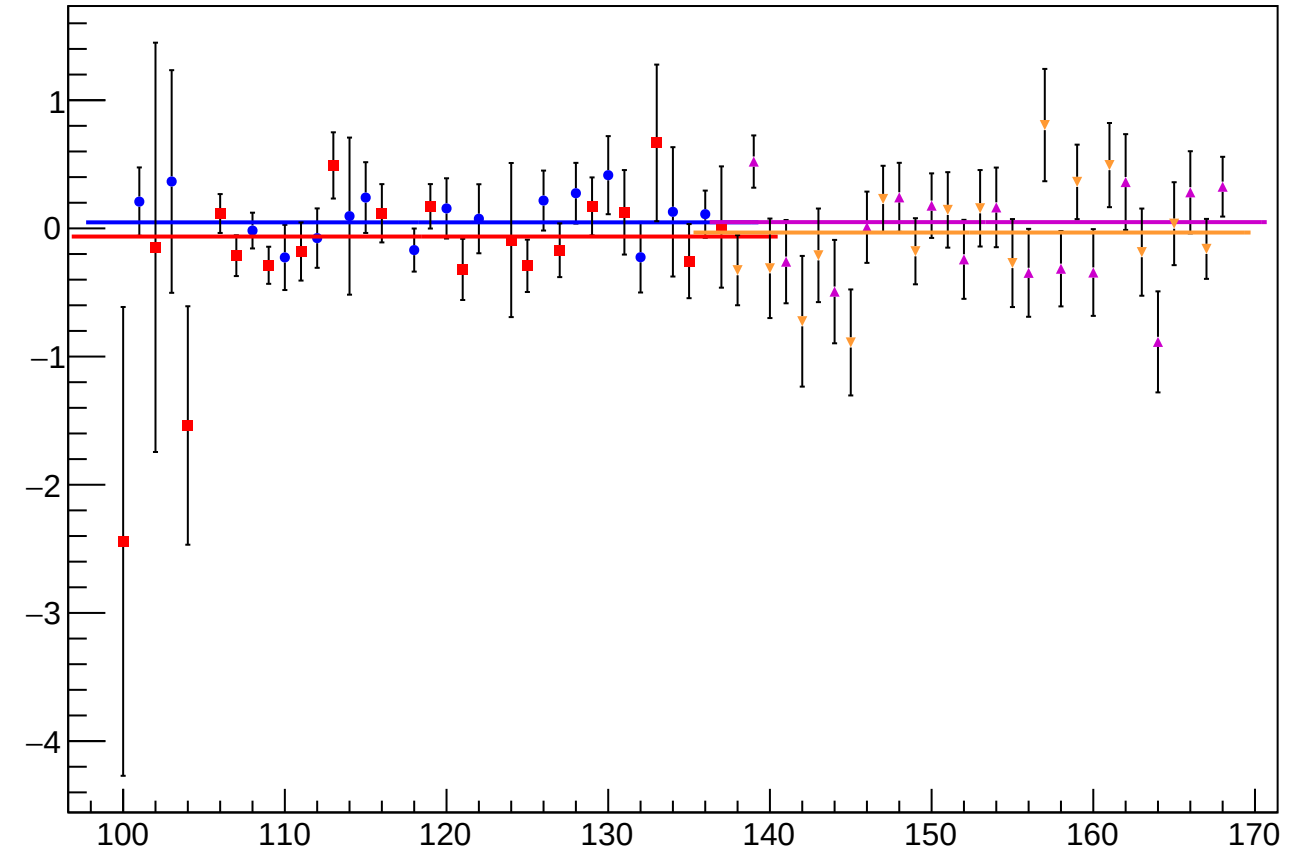
Left: 265.563+/-0.039 χ^2/NDF: 1666429.1/30

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 190.791+/-0.033 χ^2/NDF:5184929.0/30

Out: 174.879+/-0.032 χ^2/NDF:8196094.7/34

All: 182.459+/-0.023 χ^2/NDF: 13500630.2/65



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.049+/-0.076 χ^2/NDF:22.4/14

Left: 0.010+/-0.055 χ^2/NDF: 42.2/30

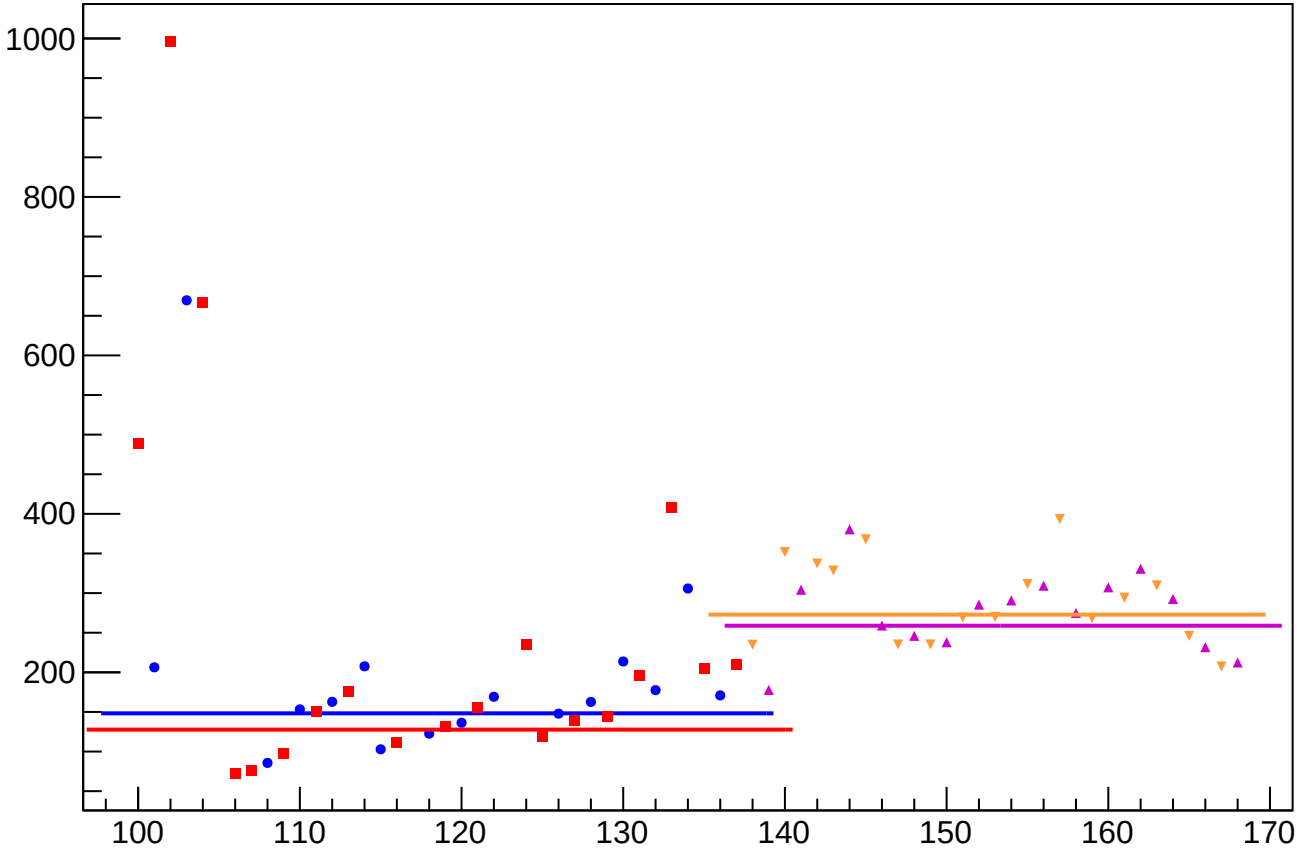
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.048+/-0.047 χ^2/NDF:30.9/30

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.005+/-0.032 χ^2/NDF: 74.9/65

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 272.825+/-0.056 χ^2/NDF:770194.7/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.818+/-0.054 χ^2/NDF:863434.5/14

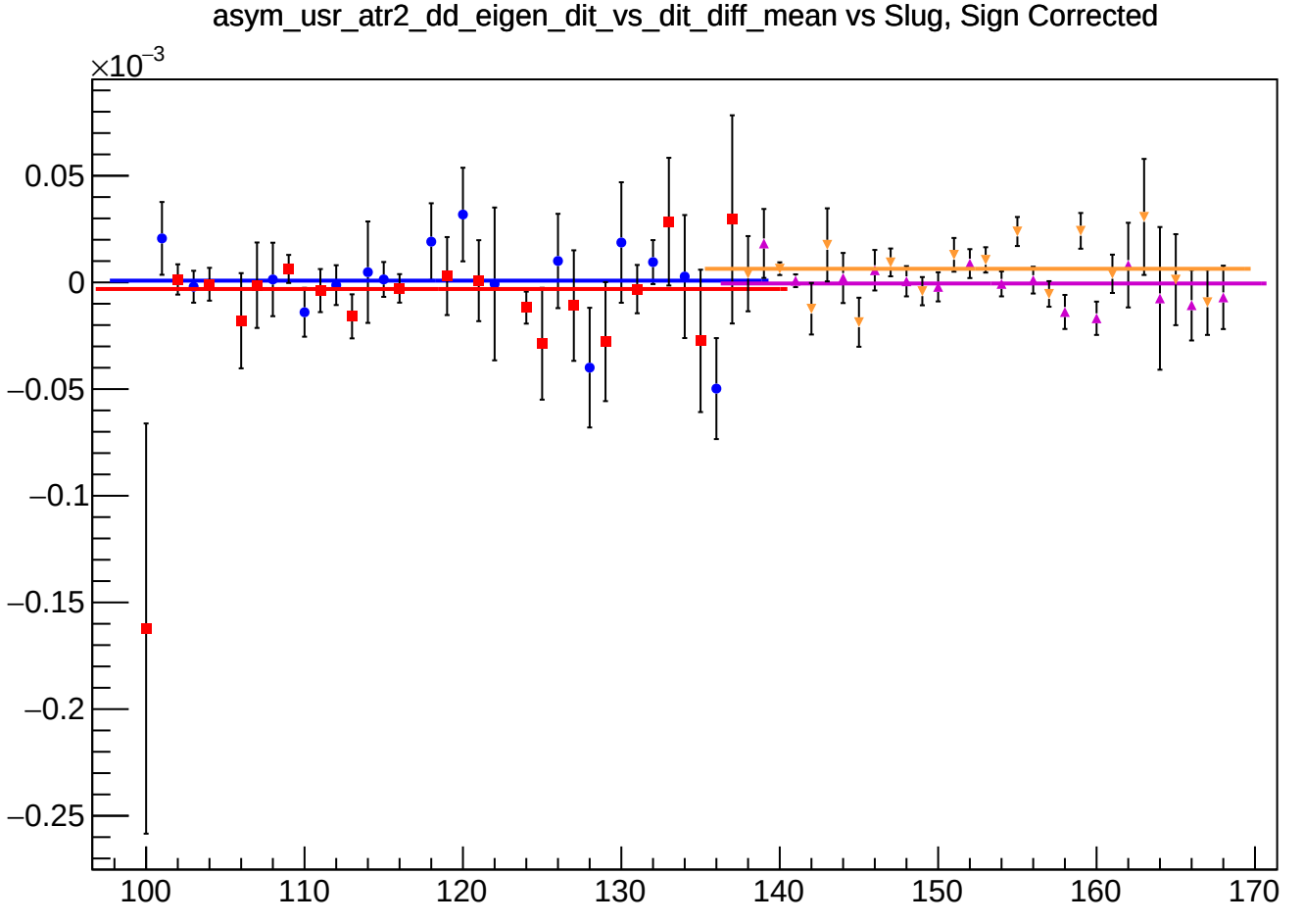
Left: 265.563+/-0.039 χ^2/NDF: 1666429.1/30

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 190.791+/-0.033 χ^2/NDF:5184929.0/30

Out: 174.879+/-0.032 χ^2/NDF:8196094.7/34

All: 182.459+/-0.023 χ^2/NDF: 13500630.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/14

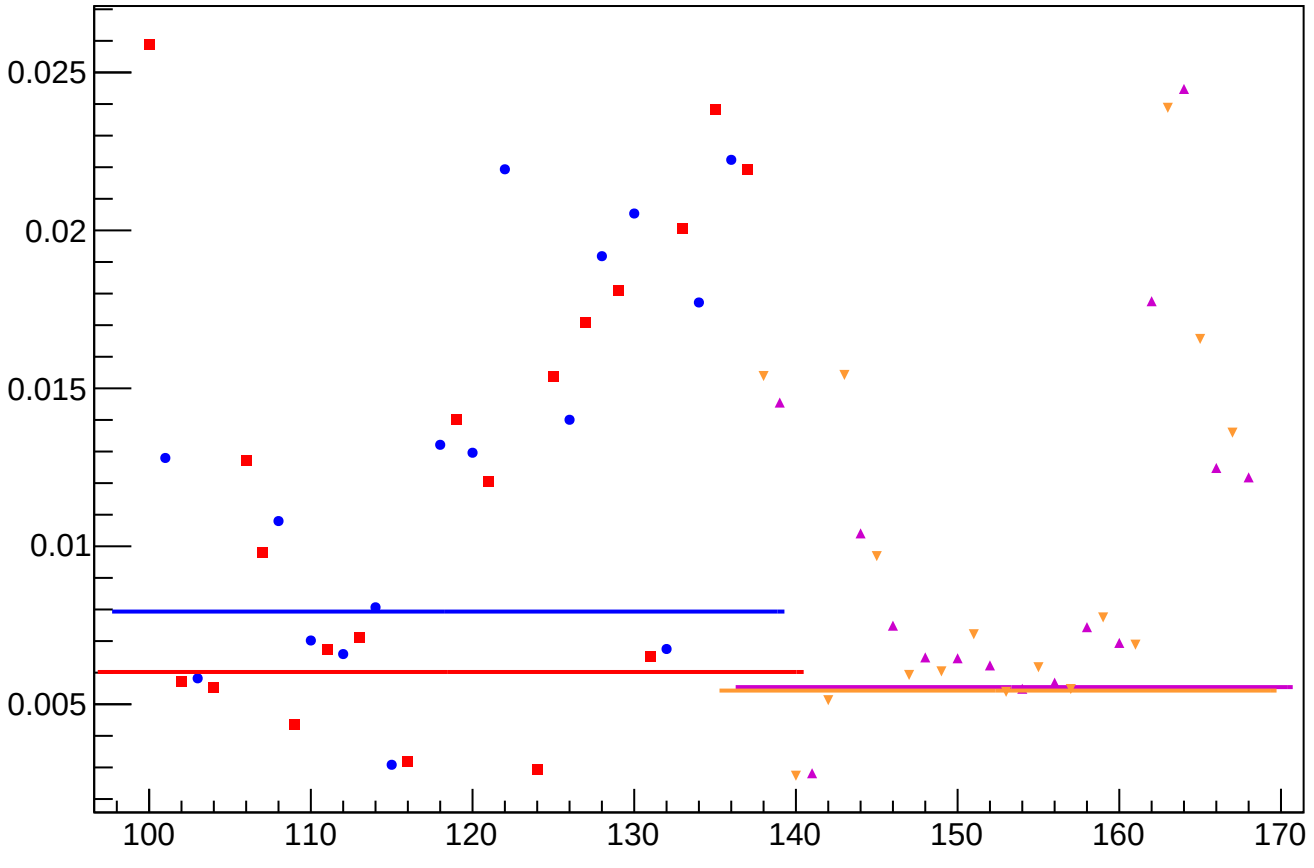
Left: 0.000+/-0.000 χ^2/NDF: 47.6/30

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/30

Out: 0.000+/-0.000 χ^2/NDF:49.9/34

All: 0.000+/-0.000 χ^2/NDF: 78.9/65



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5614279.8/15

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:5119709.1/14

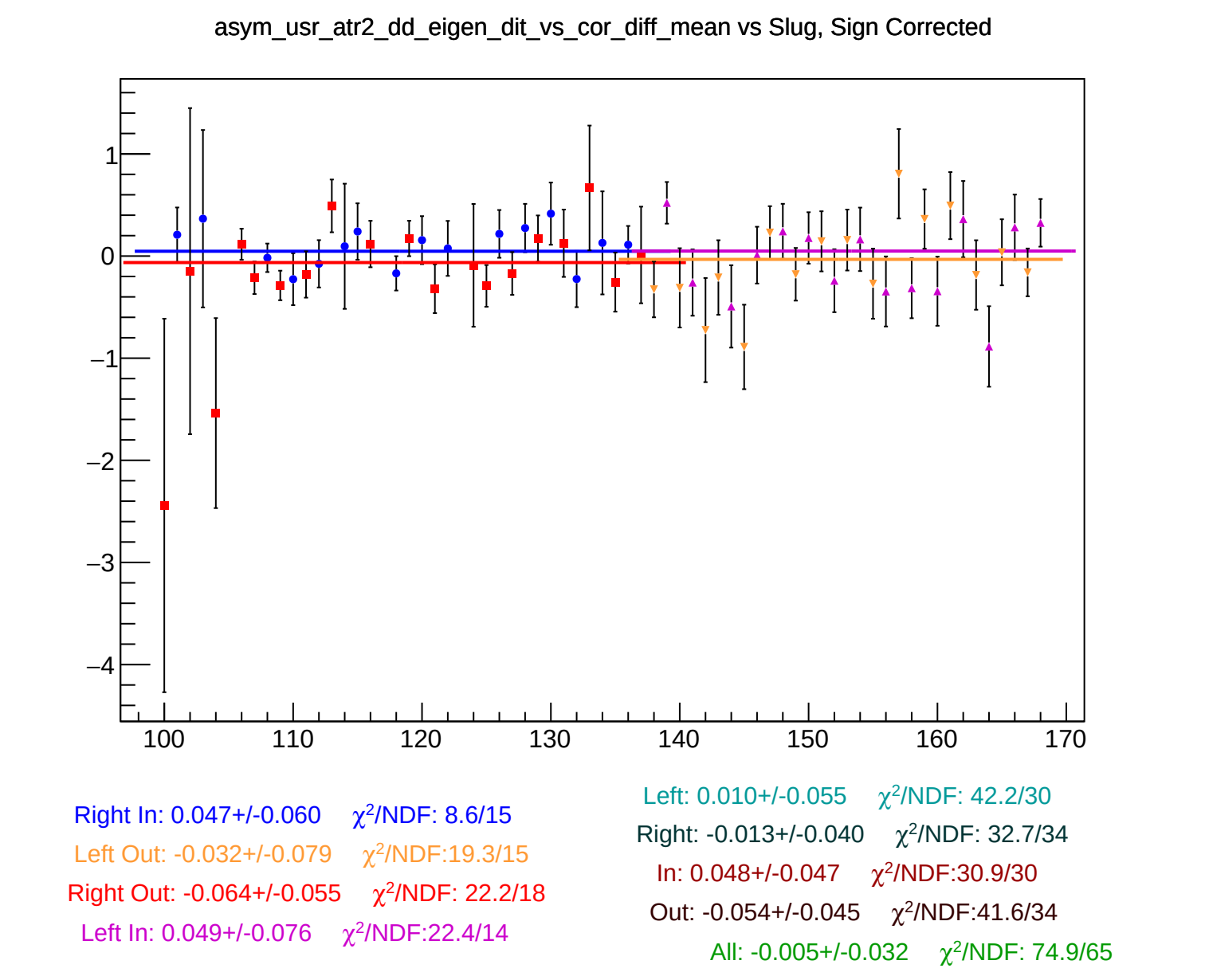
Left: 0.005+/-0.000 χ^2/NDF: 10737626.9/30

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

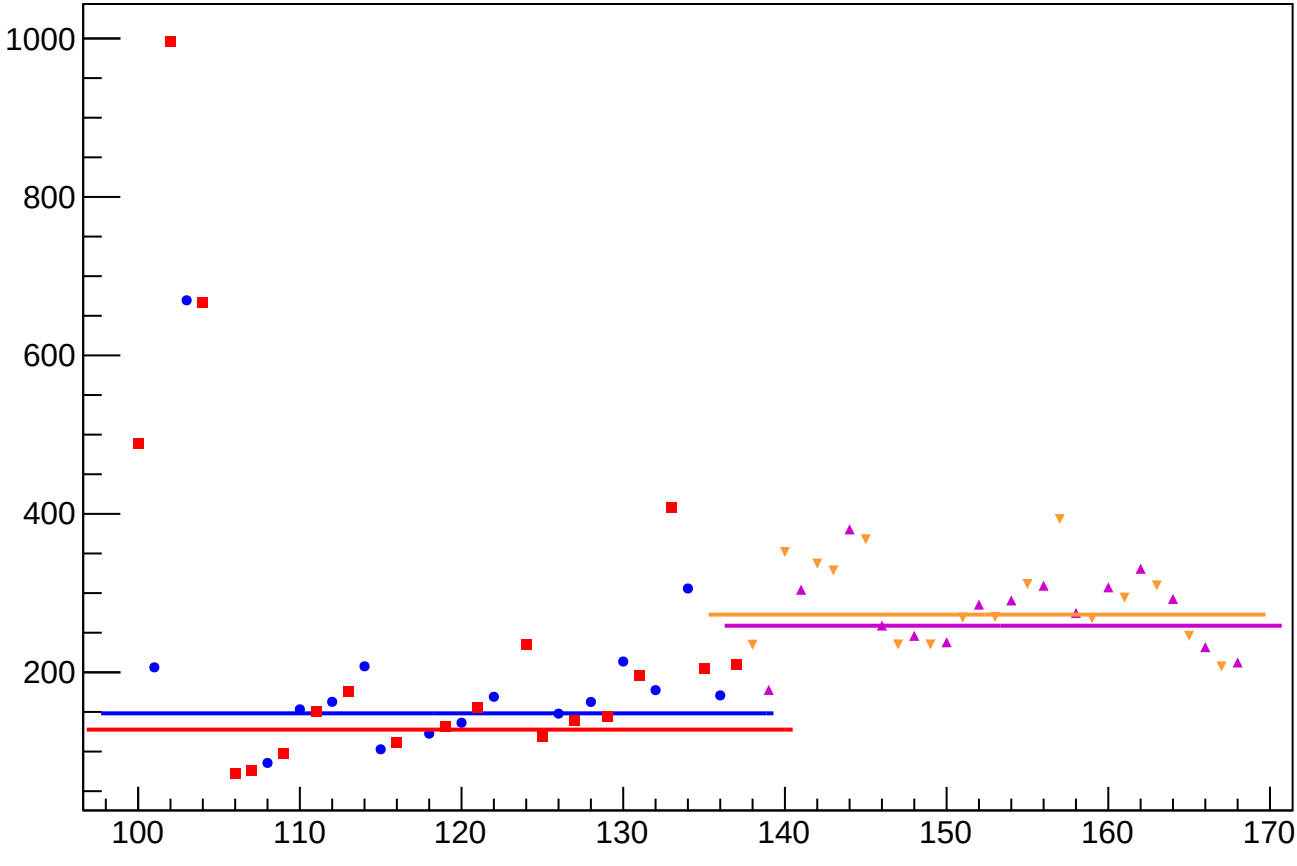
In: 0.006+/-0.000 χ^2/NDF:9441074.9/30

Out: 0.006+/-0.000 χ^2/NDF:9691880.1/34

All: 0.006+/-0.000 χ^2/NDF: 19216365.7/65


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.032+/-0.079 χ²/NDF:19.3/15
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.049+/-0.076 χ²/NDF:22.4/14
Left: 0.010+/-0.055 χ²/NDF: 42.2/30
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.048+/-0.047 χ²/NDF:30.9/30
Out: -0.054+/-0.045 χ²/NDF:41.6/34
All: -0.005+/-0.032 χ²/NDF: 74.9/65

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.822+/-0.054 χ^2/NDF:863393.2/14

Left: 265.567+/-0.039 χ^2/NDF: 1666359.4/30

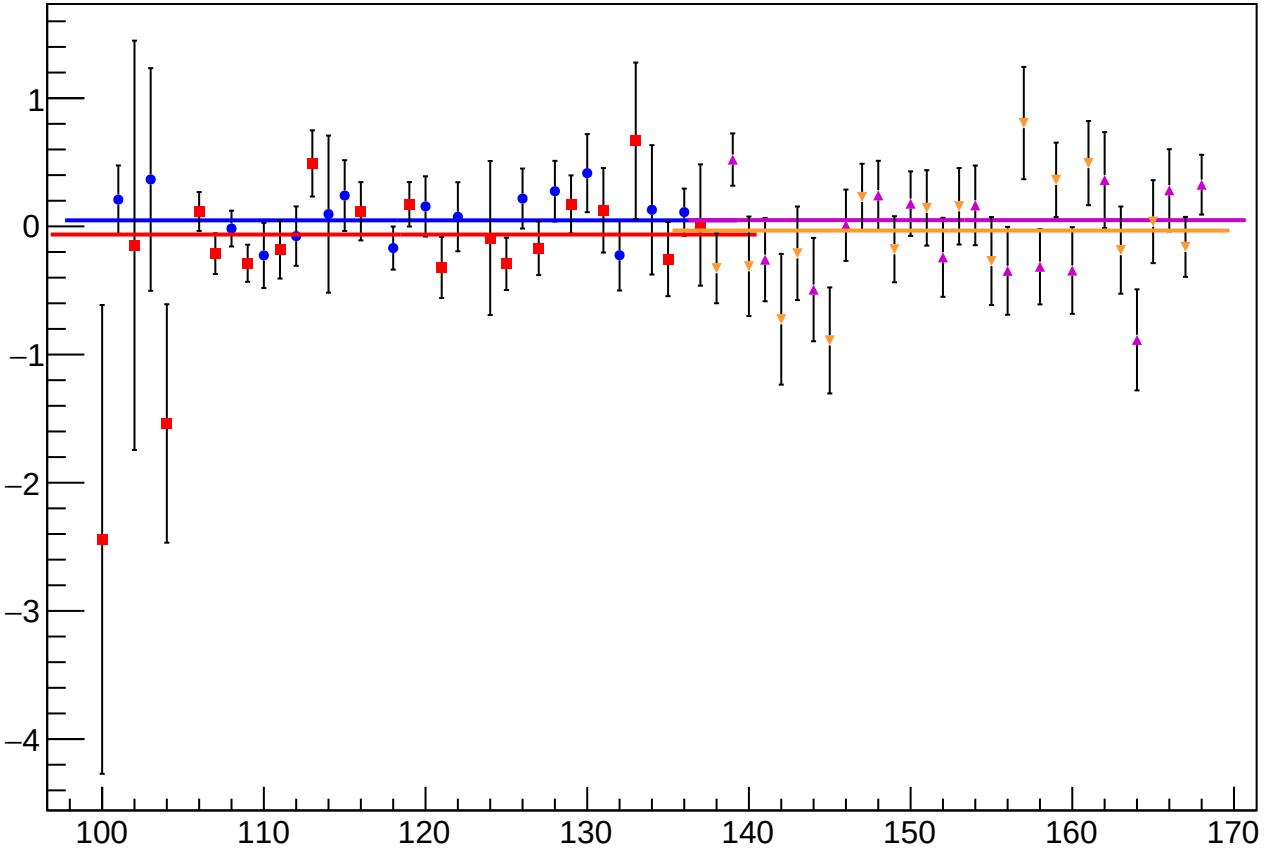
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 190.789+/-0.033 χ^2/NDF:5185244.2/30

Out: 174.880+/-0.032 χ^2/NDF:8196222.1/34

All: 182.459+/-0.023 χ^2/NDF: 13501043.8/65

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: -0.032+/-0.079 χ^2/NDF:19.3/15

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.049+/-0.076 χ^2/NDF:22.4/14

Left: 0.010+/-0.055 χ^2/NDF: 42.2/30

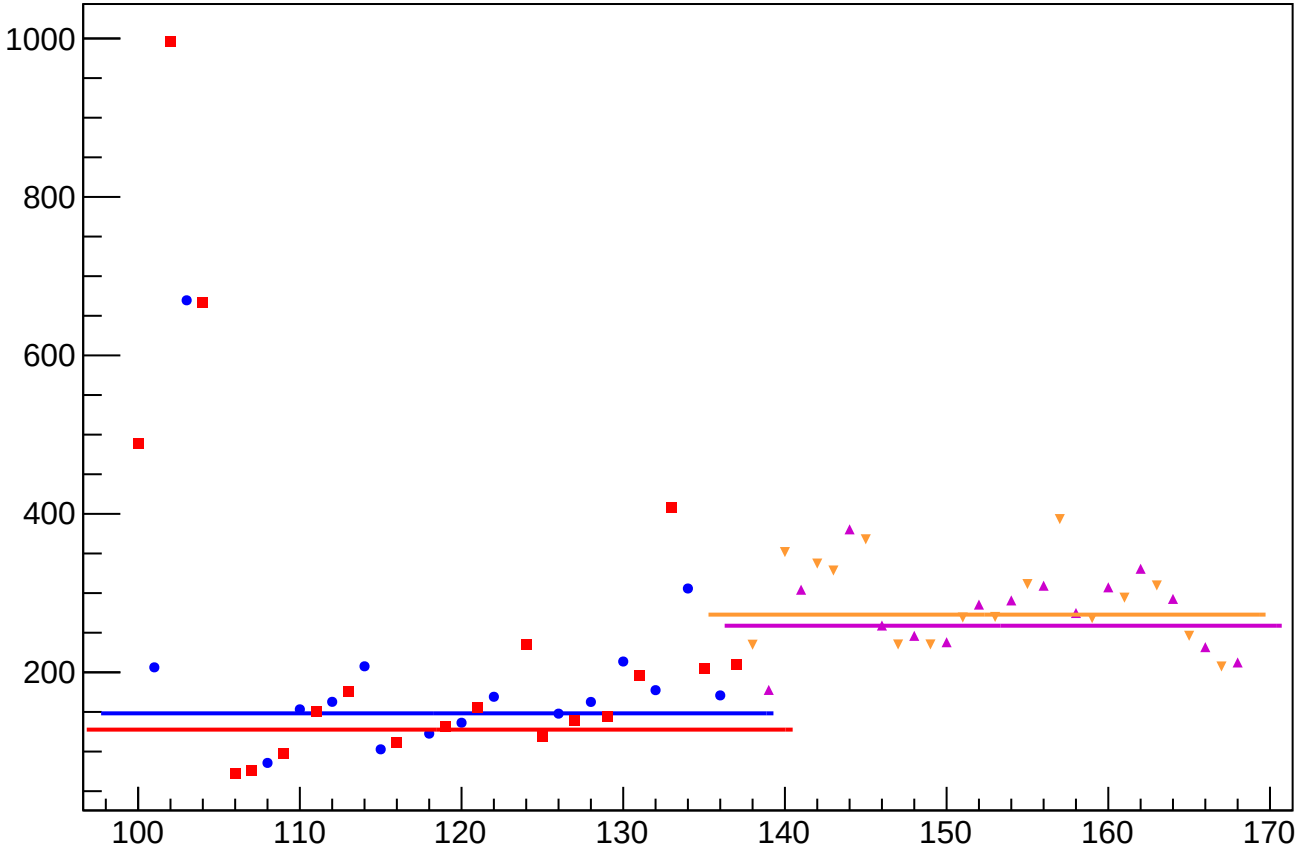
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.048+/-0.047 χ^2/NDF:30.9/30

Out: -0.054+/-0.045 χ^2/NDF:41.6/34

All: -0.005+/-0.032 χ^2/NDF: 74.9/65

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 272.829+/-0.056 χ^2/NDF:770166.3/15

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.822+/-0.054 χ^2/NDF:863393.2/14

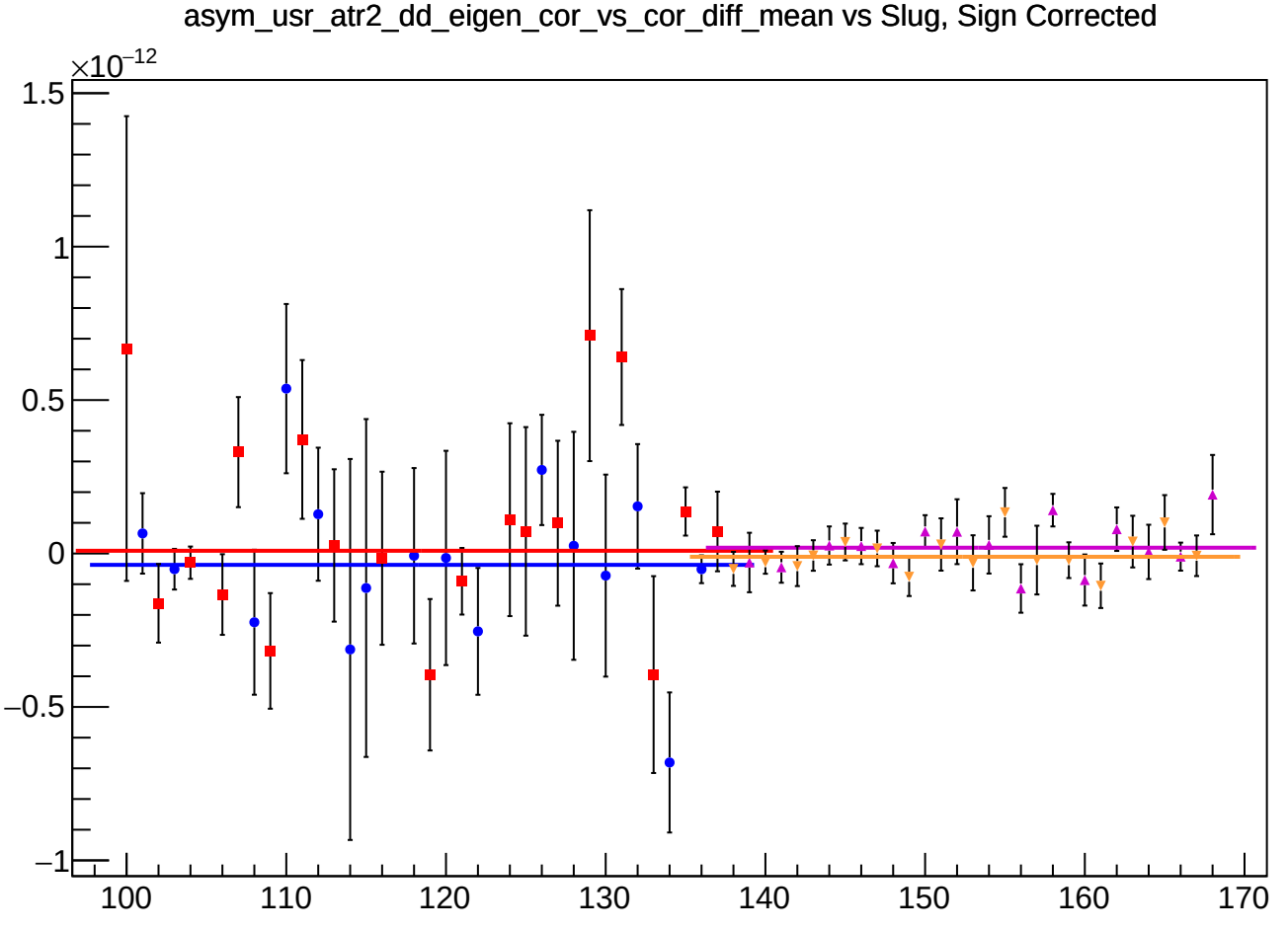
Left: 265.567+/-0.039 χ^2/NDF: 1666359.4/30

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 190.789+/-0.033 χ^2/NDF:5185244.2/30

Out: 174.880+/-0.032 χ^2/NDF:8196222.1/34

All: 182.459+/-0.023 χ^2/NDF: 13501043.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/14

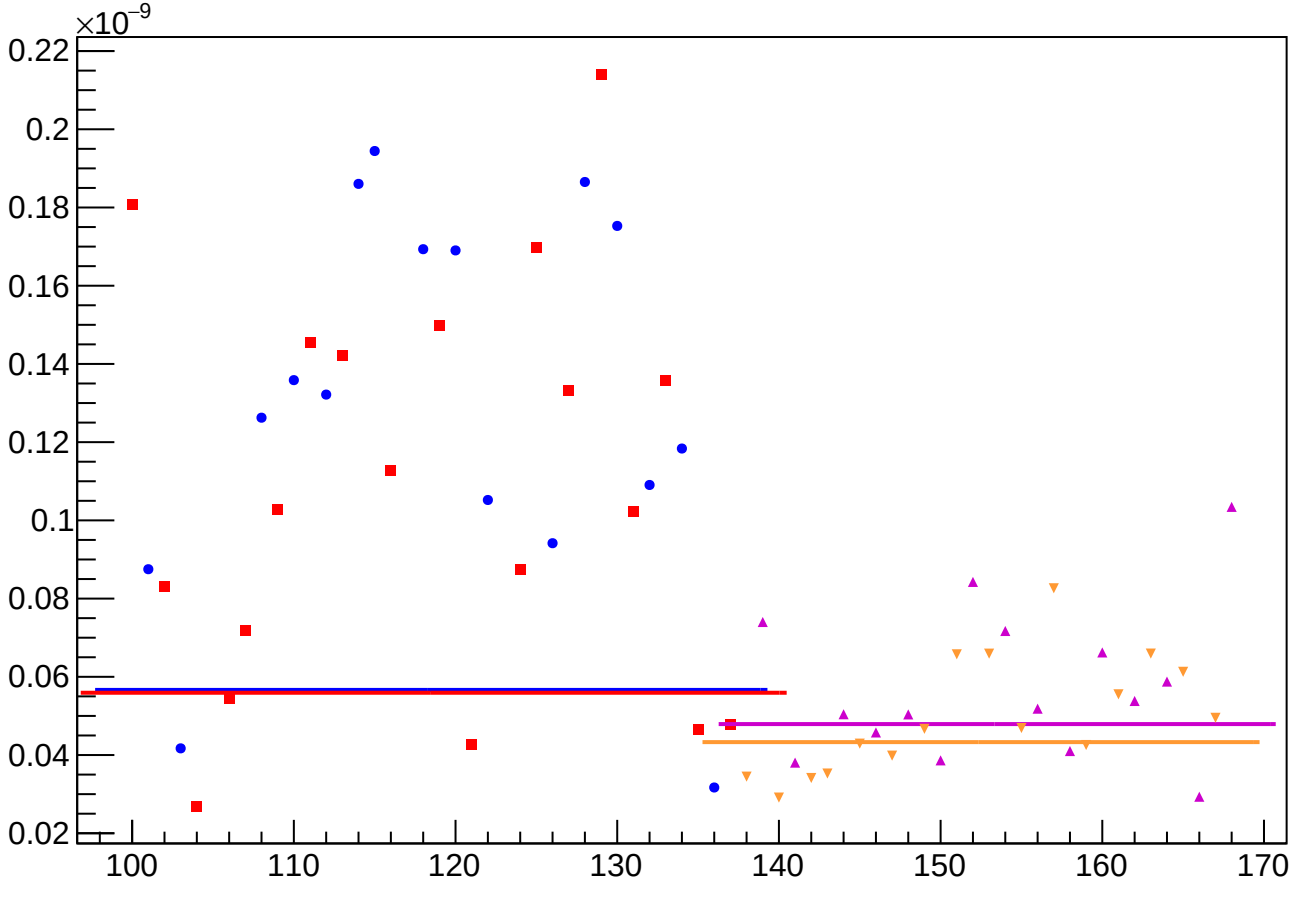
Left: 0.000+/-0.000 χ^2/NDF: 28.1/30

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/30

Out: -0.000+/-0.000 χ^2/NDF:42.2/34

All: -0.000+/-0.000 χ^2/NDF: 80.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1256828.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1538161.2/14

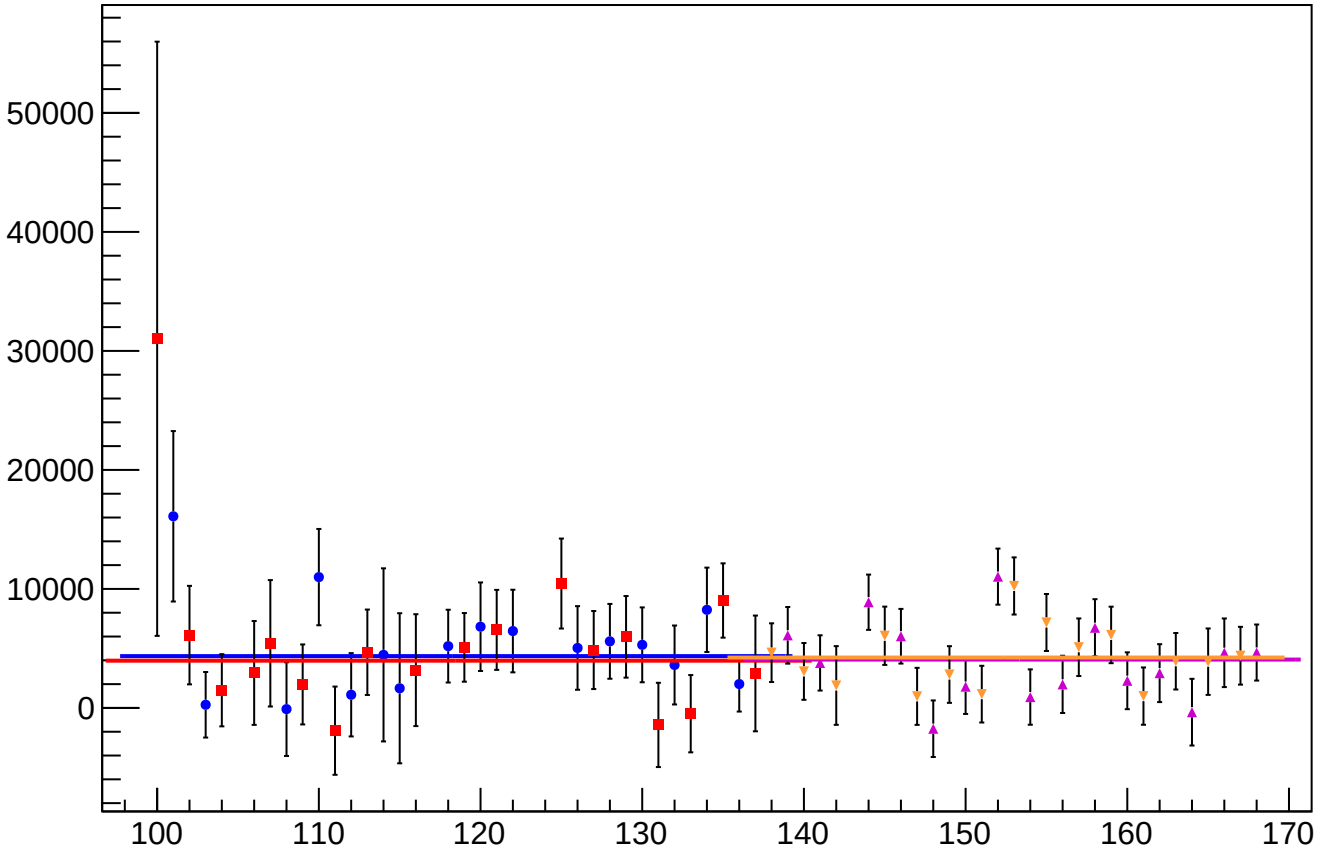
Left: 0.000+/-0.000 χ^2/NDF: 2872533.0/30

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4765998.0/30

Out: 0.000+/-0.000 χ^2/NDF:4239547.6/34

All: 0.000+/-0.000 χ^2/NDF: 9082418.7/65



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.619+/-636.424 χ^2/NDF:15.6/14

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4063.968+/-621.644 χ^2/NDF:28.7/14

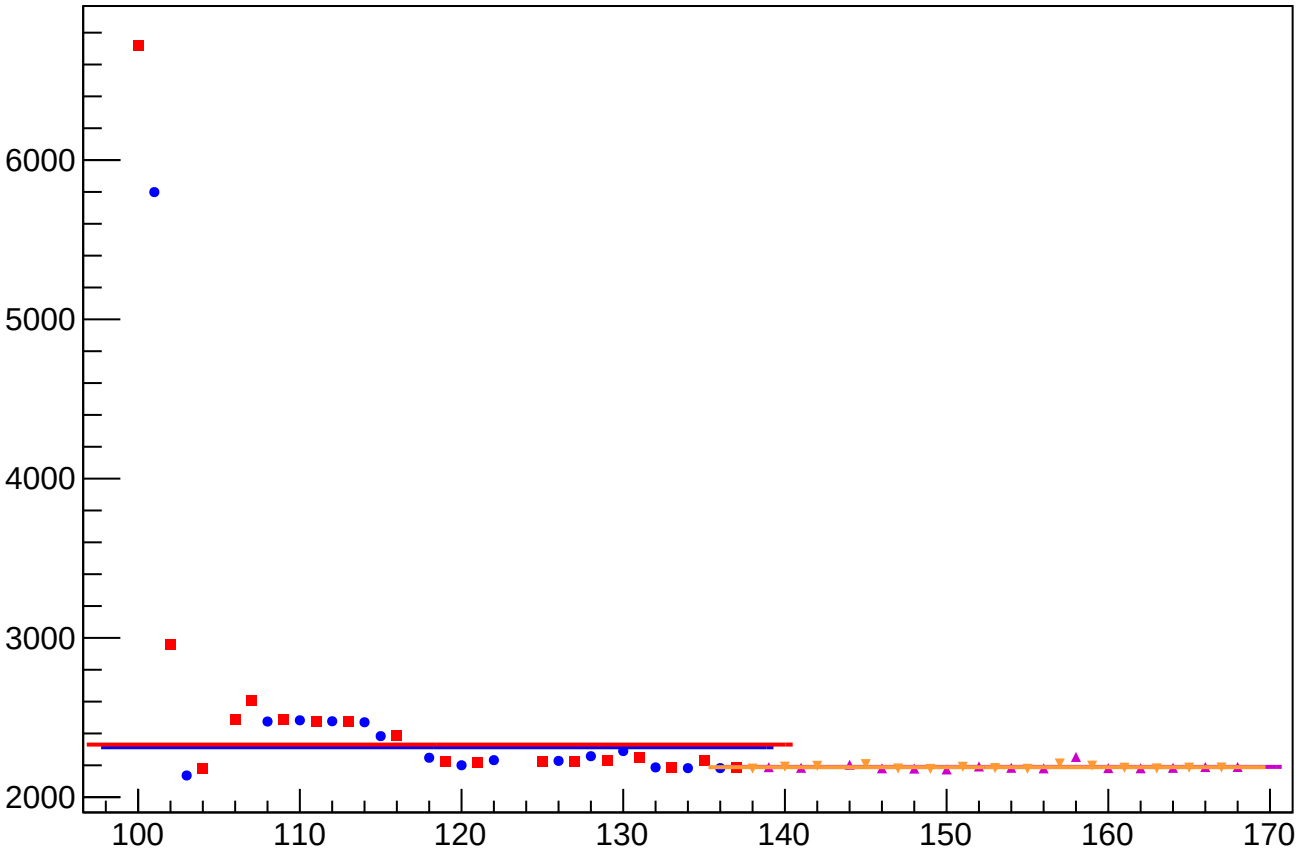
Left: 4147.289+/-444.702 χ^2/NDF: 44.3/29

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4161.349+/-506.800 χ^2/NDF:42.1/30

Out: 4143.140+/-513.927 χ^2/NDF:31.8/32

All: 4152.372+/-360.855 χ^2/NDF: 74.0/63



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

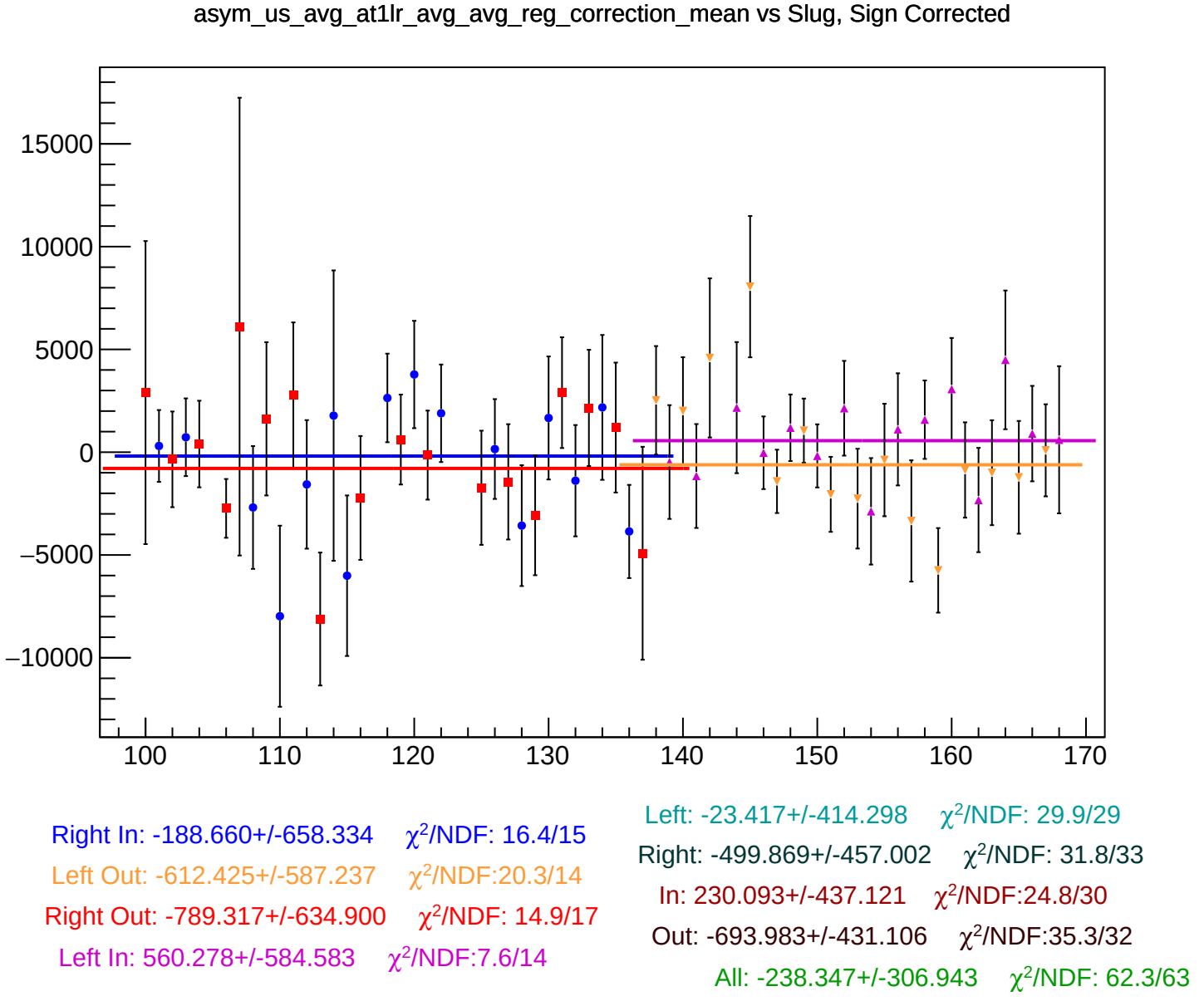
Left: 2189.185+/-0.314 χ^2/NDF: 2232.6/29

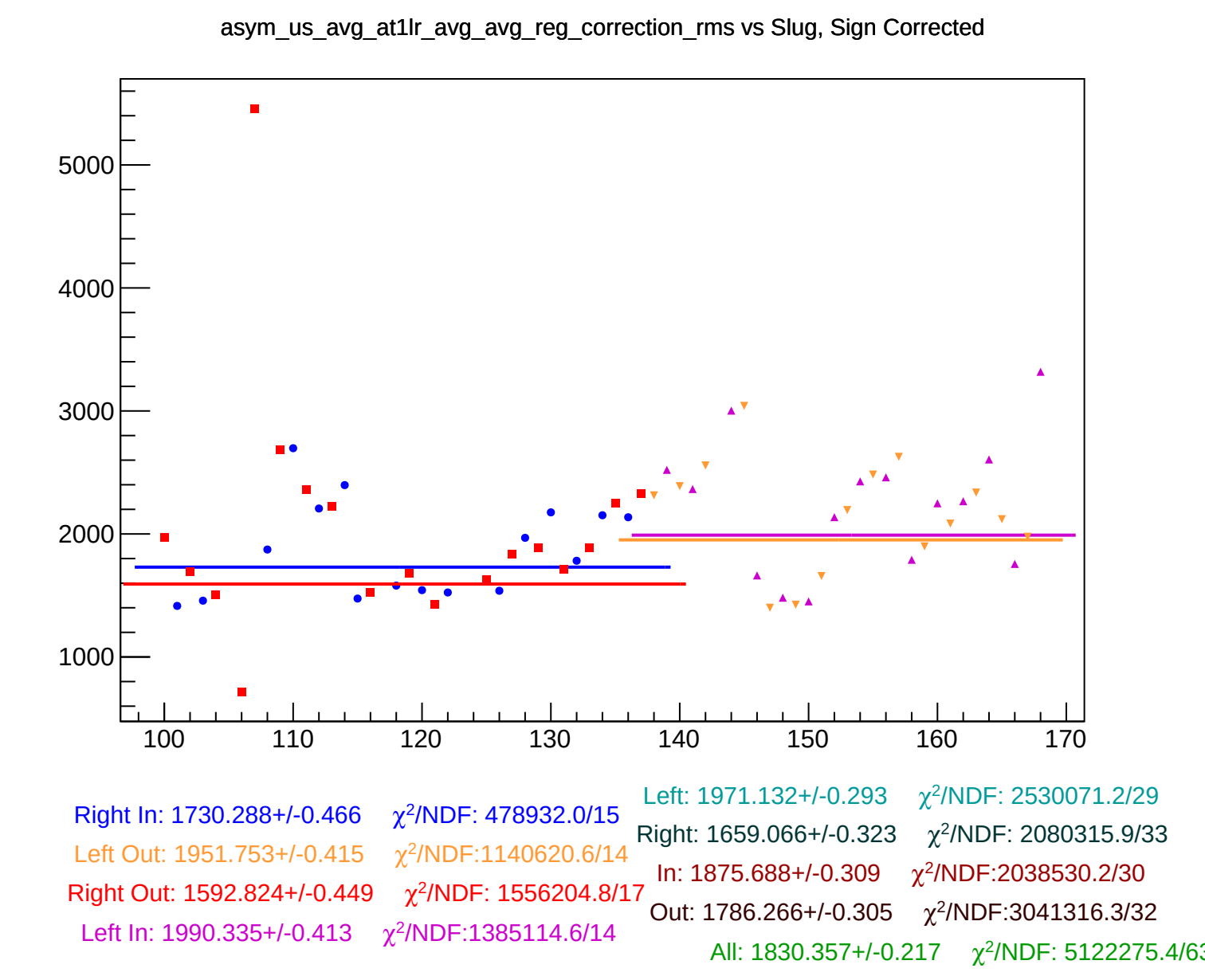
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2231.439+/-0.358 χ^2/NDF:540474.5/30

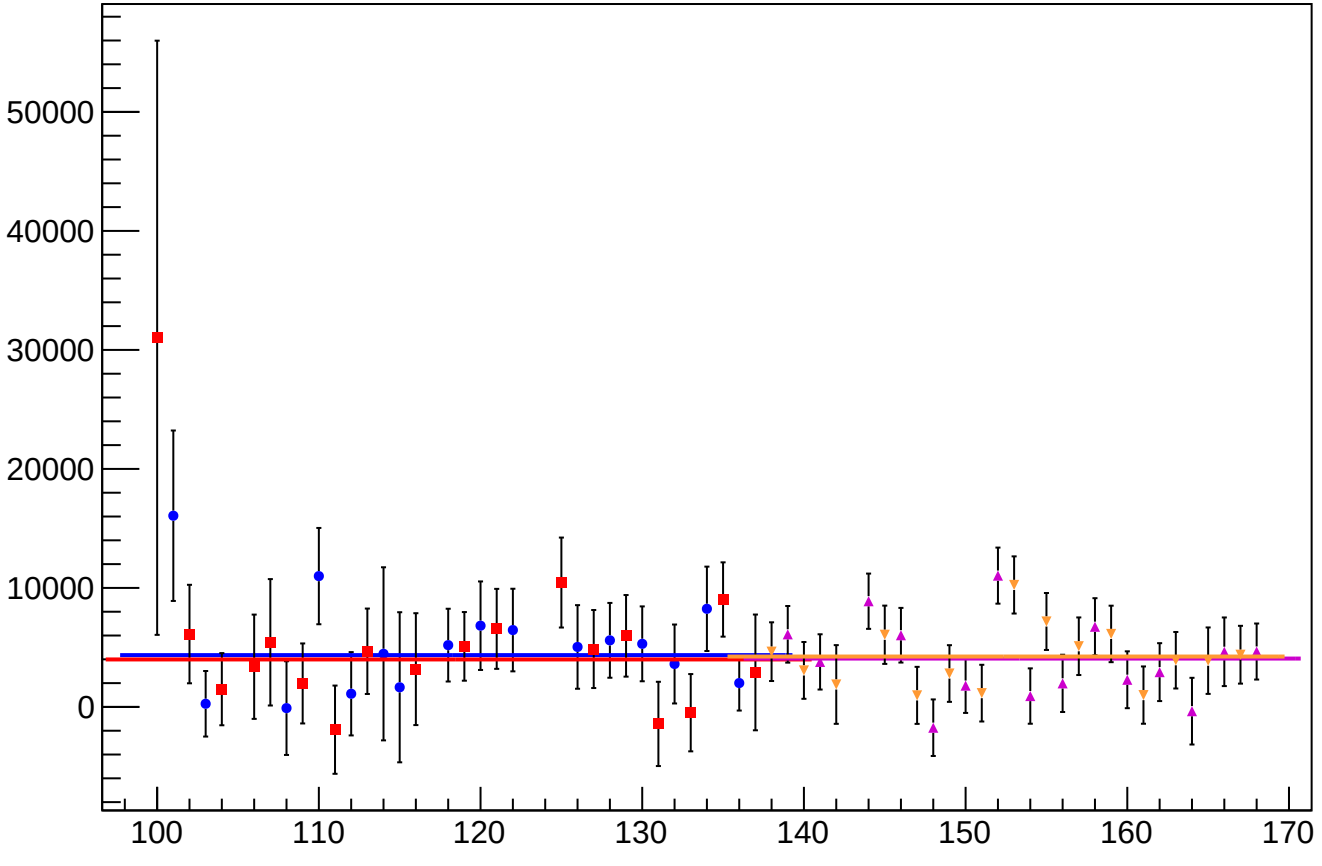
Out: 2237.635+/-0.363 χ^2/NDF:186349.1/32

All: 2234.494+/-0.255 χ^2/NDF: 726971.0/63


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -612.425+/-587.237 χ²/NDF:20.3/14
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 560.278+/-584.583 χ²/NDF:7.6/14
Left: -23.417+/-414.298 χ²/NDF: 29.9/29
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 230.093+/-437.121 χ²/NDF:24.8/30
Out: -693.983+/-431.106 χ²/NDF:35.3/32
All: -238.347+/-306.943 χ²/NDF: 62.3/63


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1730.288+/-0.466 χ²/NDF: 478932.0/15
Left Out: 1951.753+/-0.415 χ²/NDF:1140620.6/14
Right Out: 1592.824+/-0.449 χ²/NDF: 1556204.8/17
Left In: 1990.335+/-0.413 χ²/NDF:1385114.6/14
Left: 1971.132+/-0.293 χ²/NDF: 2530071.2/29
Right: 1659.066+/-0.323 χ²/NDF: 2080315.9/33
In: 1875.688+/-0.309 χ²/NDF:2038530.2/30
Out: 1786.266+/-0.305 χ²/NDF:3041316.3/32
All: 1830.357+/-0.217 χ²/NDF: 5122275.4/63

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4064.093+/-621.644 χ^2/NDF:28.7/14

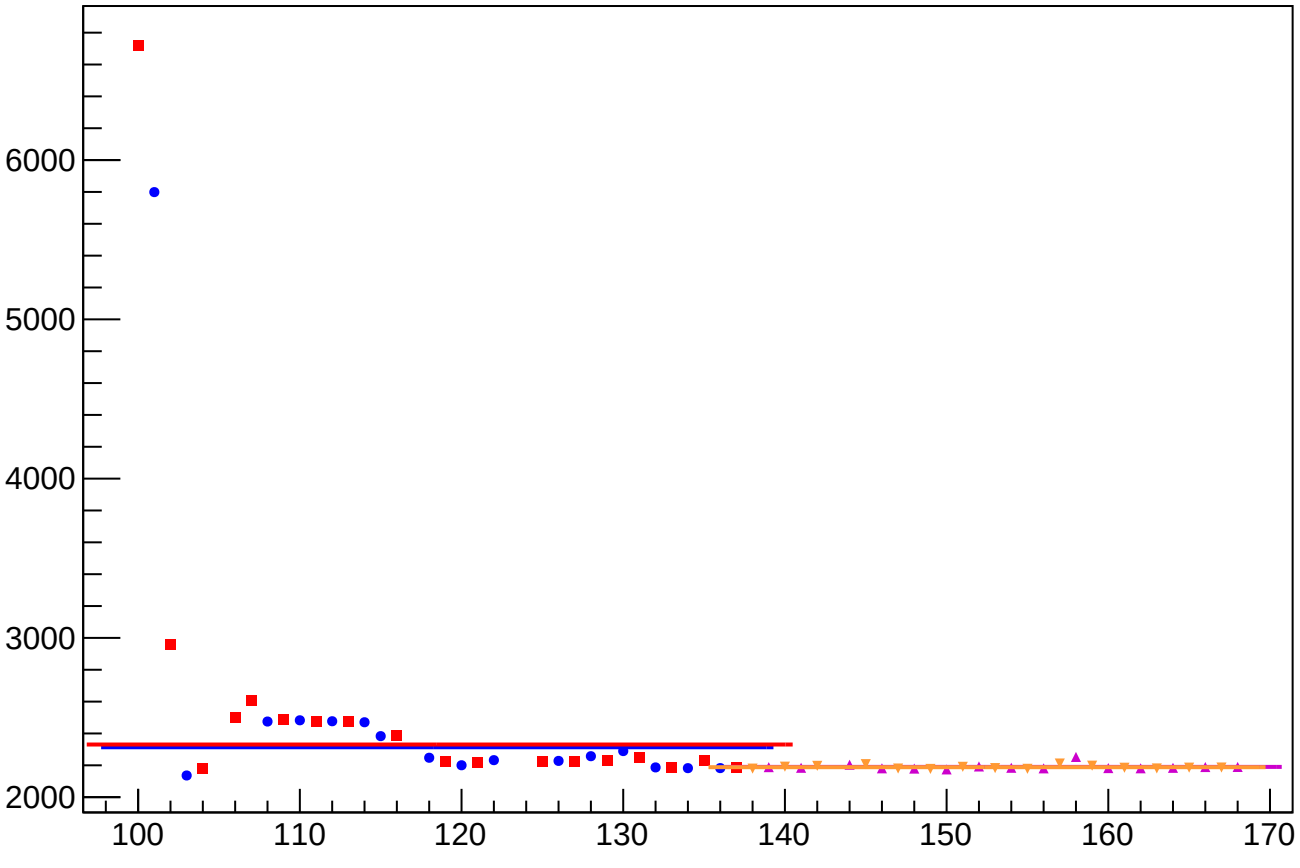
Left: 4147.325+/-444.702 χ^2/NDF: 44.3/29

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4161.204+/-506.800 χ^2/NDF:42.1/30

Out: 4149.457+/-513.958 χ^2/NDF:31.8/32

All: 4155.413+/-360.866 χ^2/NDF: 73.9/63



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

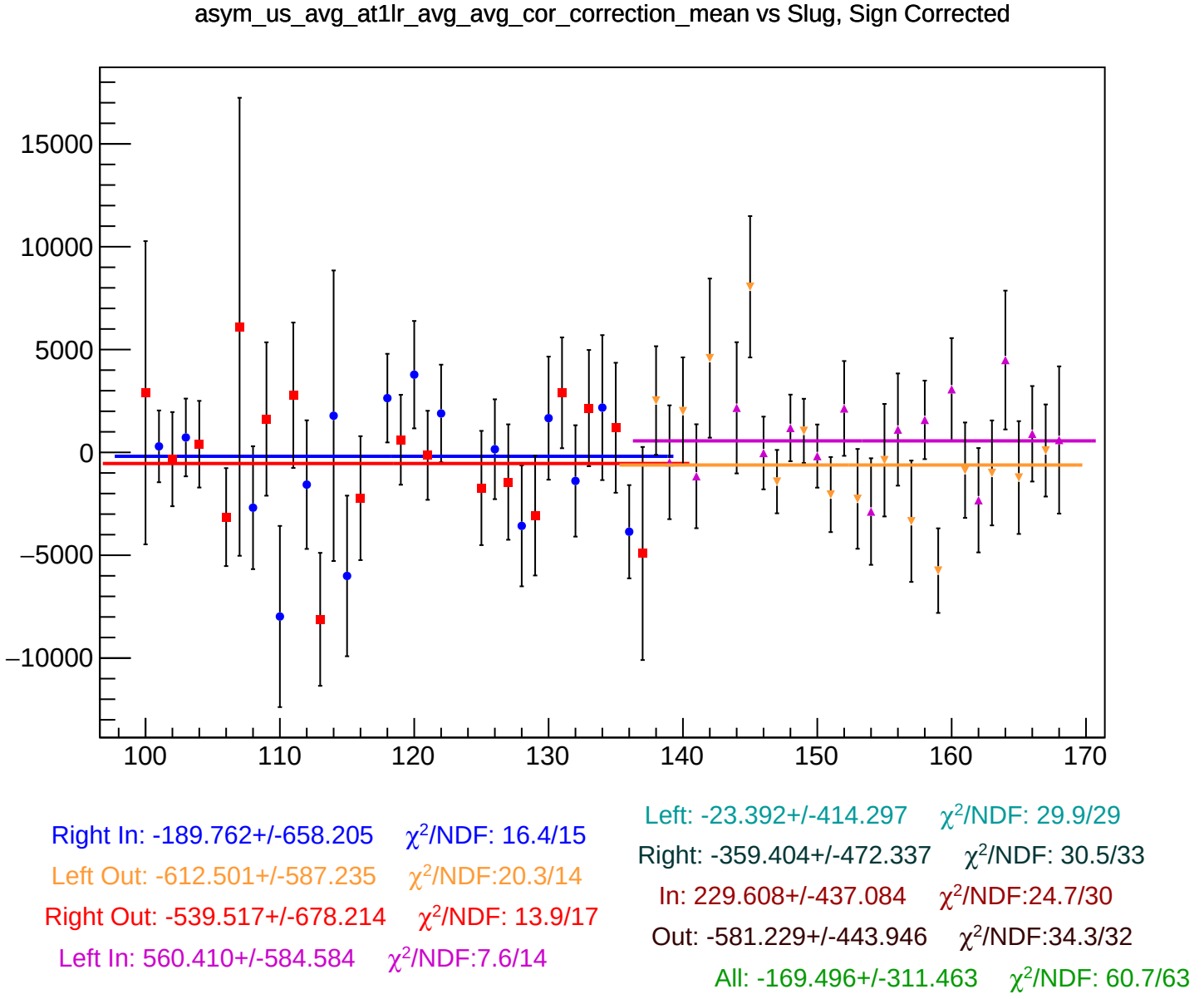
Left: 2189.185+/-0.314 χ^2/NDF: 2232.6/29

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

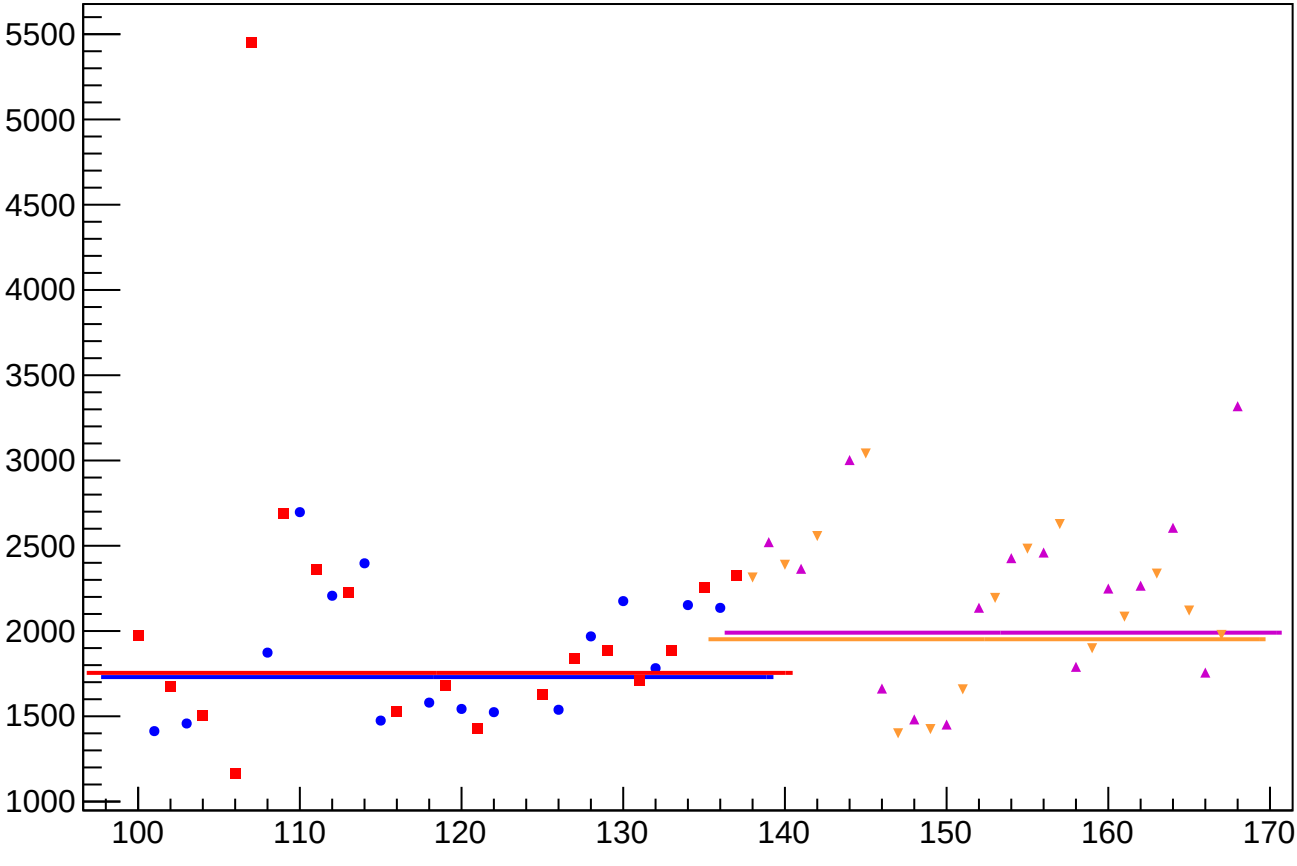
In: 2231.439+/-0.358 χ^2/NDF:540474.9/30

Out: 2237.753+/-0.363 χ^2/NDF:186867.8/32

All: 2234.552+/-0.255 χ^2/NDF: 727495.7/63


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.501+/-587.235 χ²/NDF:20.3/14
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 560.410+/-584.584 χ²/NDF:7.6/14
Left: -23.392+/-414.297 χ²/NDF: 29.9/29
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 229.608+/-437.084 χ²/NDF:24.7/30
Out: -581.229+/-443.946 χ²/NDF:34.3/32
All: -169.496+/-311.463 χ²/NDF: 60.7/63

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: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1990.339+/-0.413 χ^2/NDF:1385136.9/14

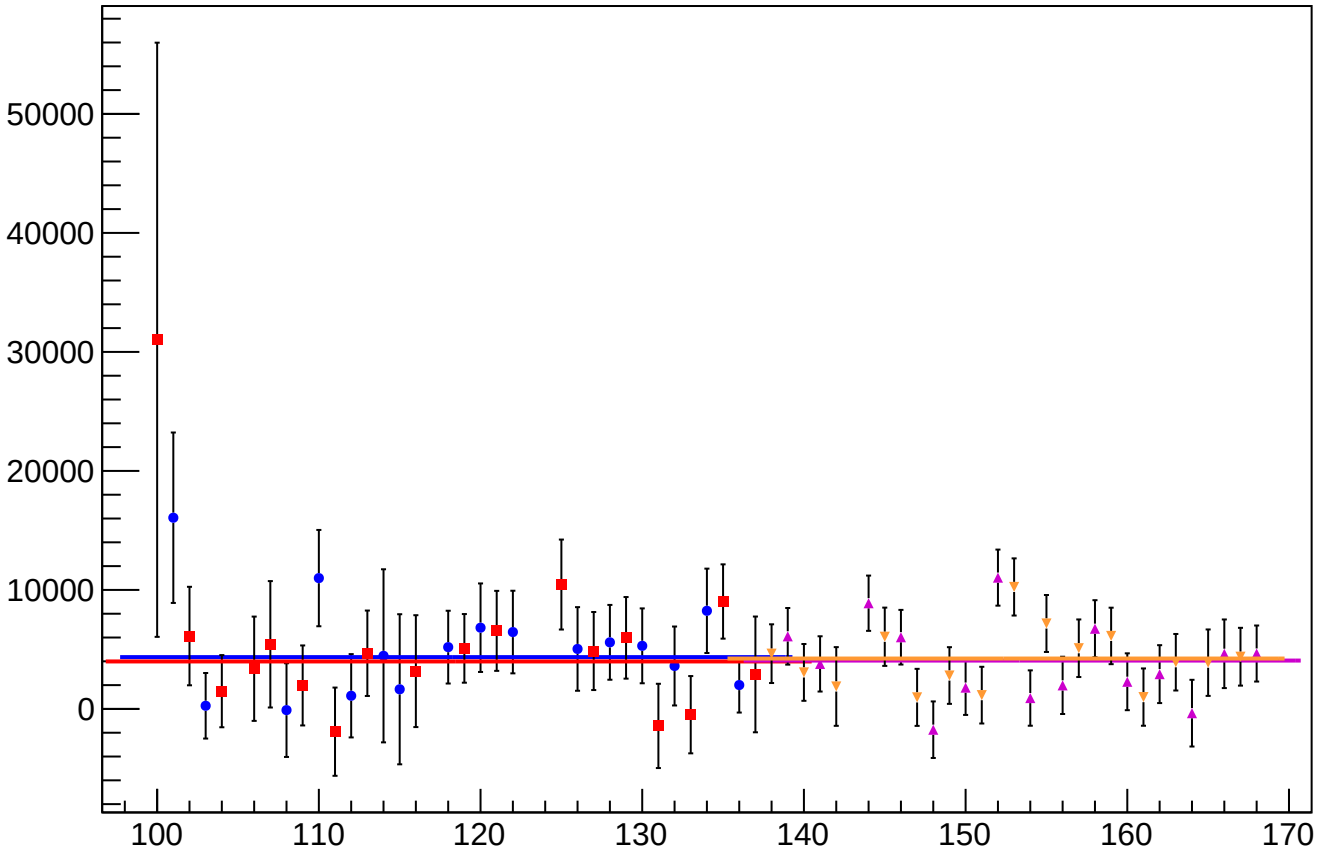
Left: 1971.130+/-0.293 χ^2/NDF: 2530131.7/29

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1875.493+/-0.309 χ^2/NDF:2040084.6/30

Out: 1867.242+/-0.314 χ^2/NDF:1988322.8/32

All: 1871.432+/-0.220 χ^2/NDF: 4028758.1/63



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4234.563+/-636.424 χ^2/NDF:15.6/14

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4064.093+/-621.644 χ^2/NDF:28.7/14

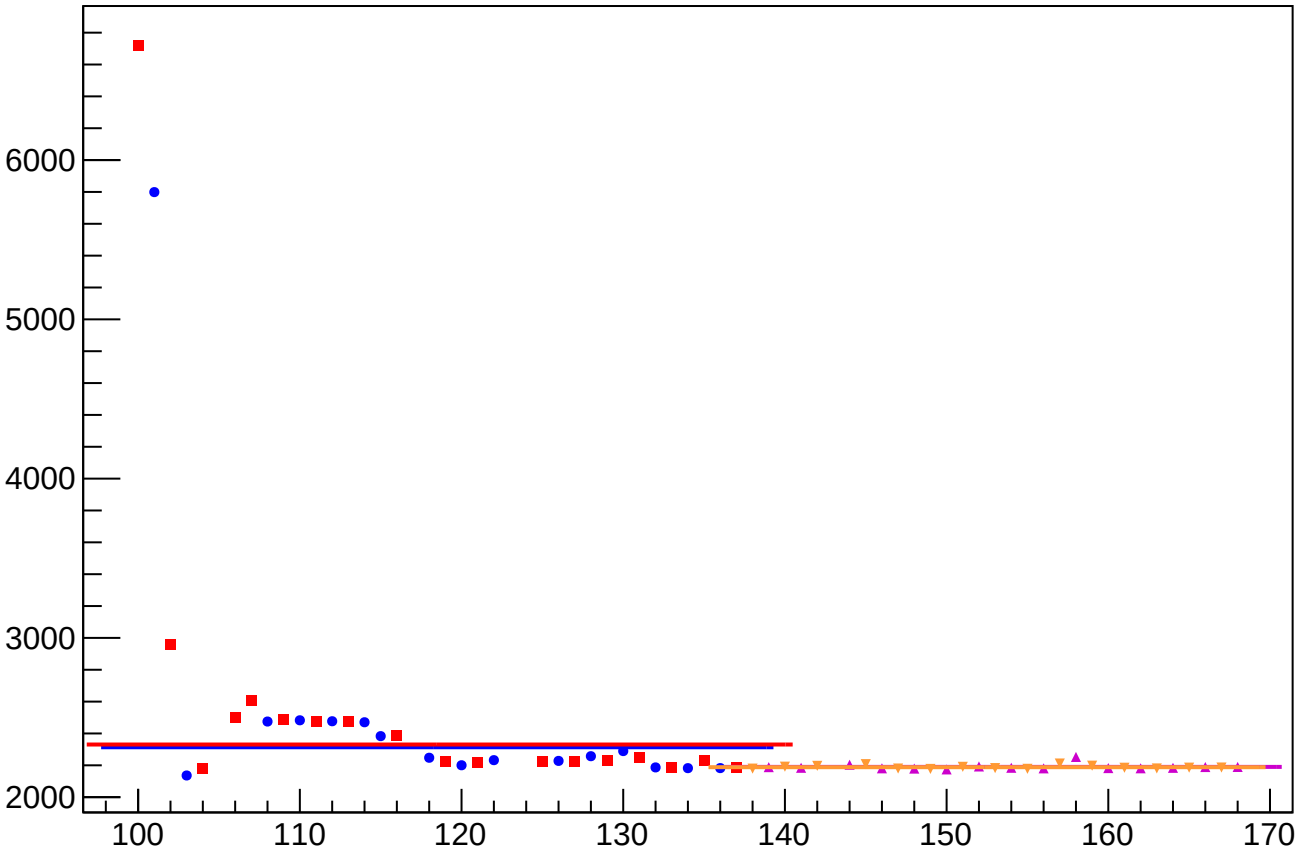
Left: 4147.325+/-444.702 χ^2/NDF: 44.3/29

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4161.204+/-506.800 χ^2/NDF:42.1/30

Out: 4149.457+/-513.958 χ^2/NDF:31.8/32

All: 4155.413+/-360.866 χ^2/NDF: 73.9/63



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.249+/-0.450 χ^2/NDF:522.5/14

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.079+/-0.440 χ^2/NDF:1701.7/14

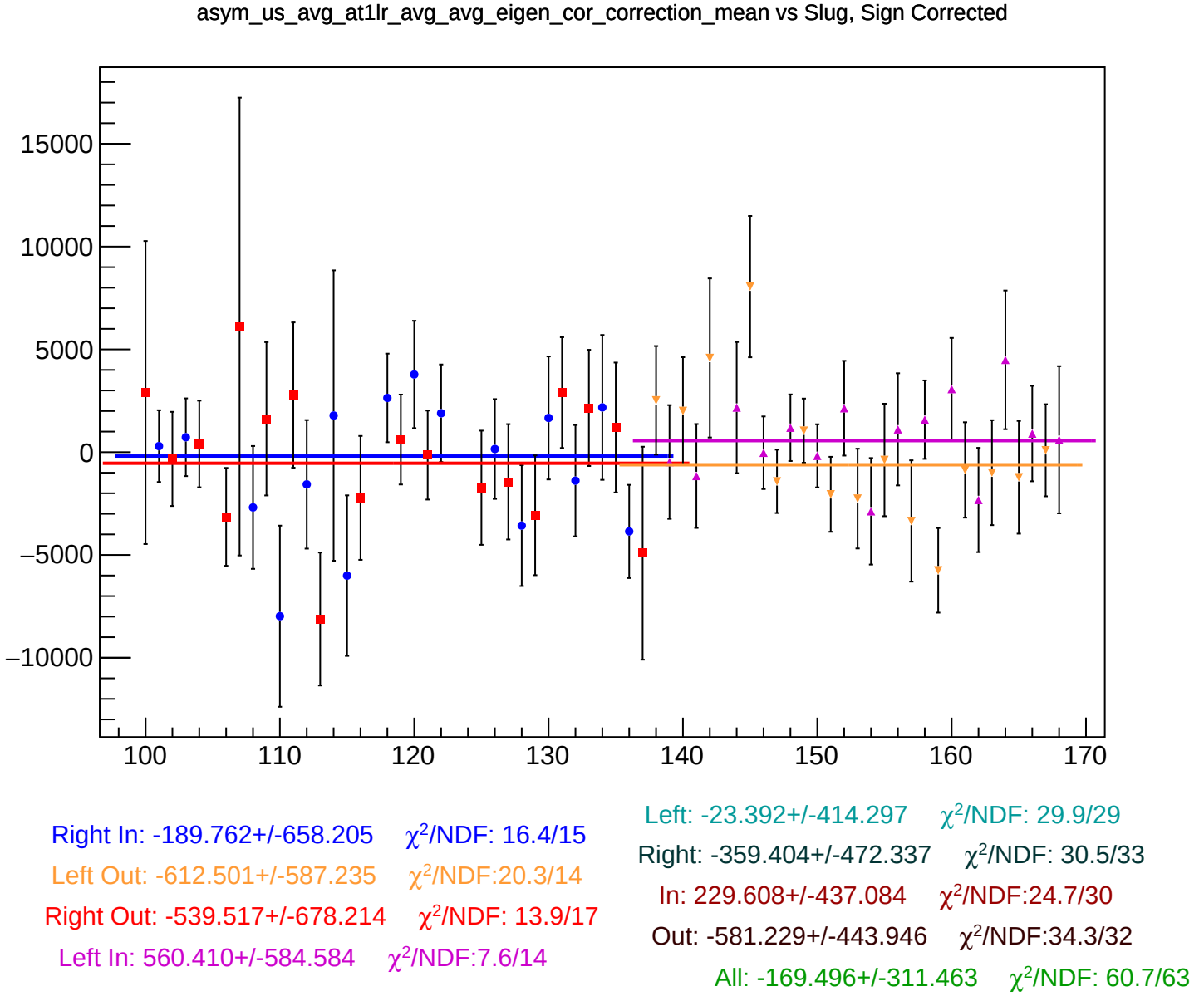
Left: 2189.185+/-0.314 χ^2/NDF: 2232.6/29

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

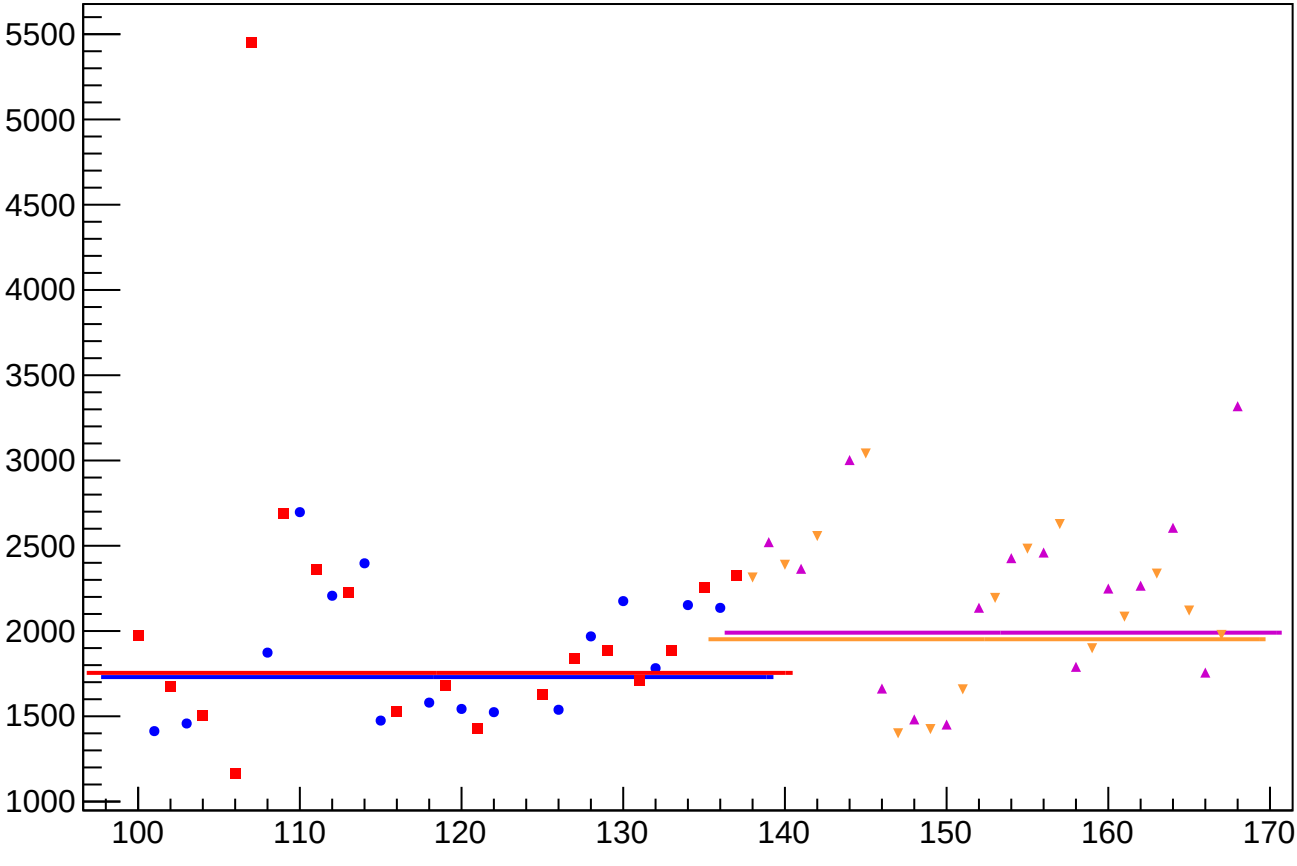
In: 2231.439+/-0.358 χ^2/NDF:540474.9/30

Out: 2237.753+/-0.363 χ^2/NDF:186867.8/32

All: 2234.552+/-0.255 χ^2/NDF: 727495.7/63


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.501+/-587.235 χ²/NDF:20.3/14
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 560.410+/-584.584 χ²/NDF:7.6/14
Left: -23.392+/-414.297 χ²/NDF: 29.9/29
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 229.608+/-437.084 χ²/NDF:24.7/30
Out: -581.229+/-443.946 χ²/NDF:34.3/32
All: -169.496+/-311.463 χ²/NDF: 60.7/63

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: 1951.746+/-0.415 χ^2/NDF:1140656.2/14

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1990.339+/-0.413 χ^2/NDF:1385136.9/14

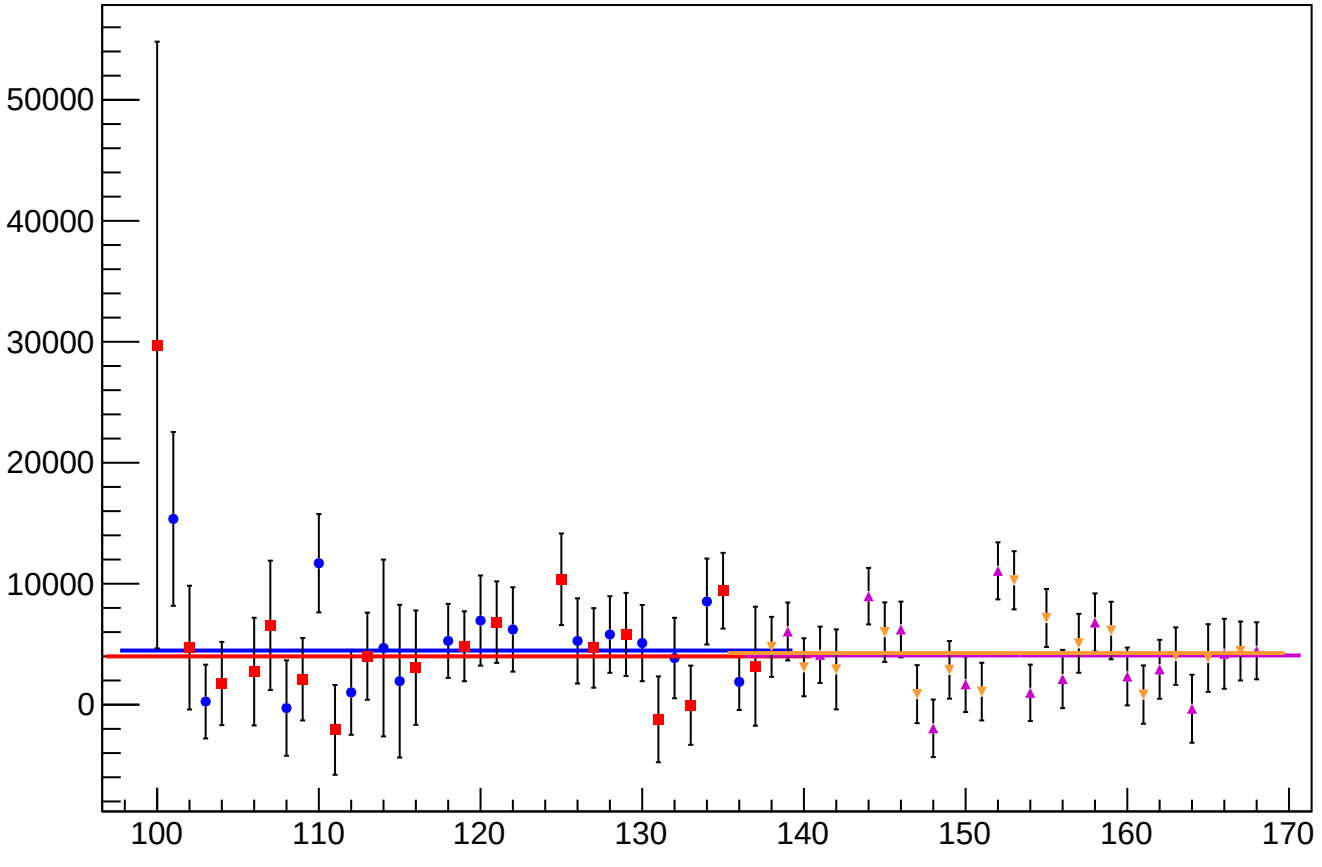
Left: 1971.130+/-0.293 χ^2/NDF: 2530131.7/29

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1875.493+/-0.309 χ^2/NDF:2040084.6/30

Out: 1867.242+/-0.314 χ^2/NDF:1988322.8/32

All: 1871.432+/-0.220 χ^2/NDF: 4028758.1/63



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4267.684+/-638.027 χ^2/NDF:15.6/14

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4070.990+/-623.133 χ^2/NDF:29.2/14

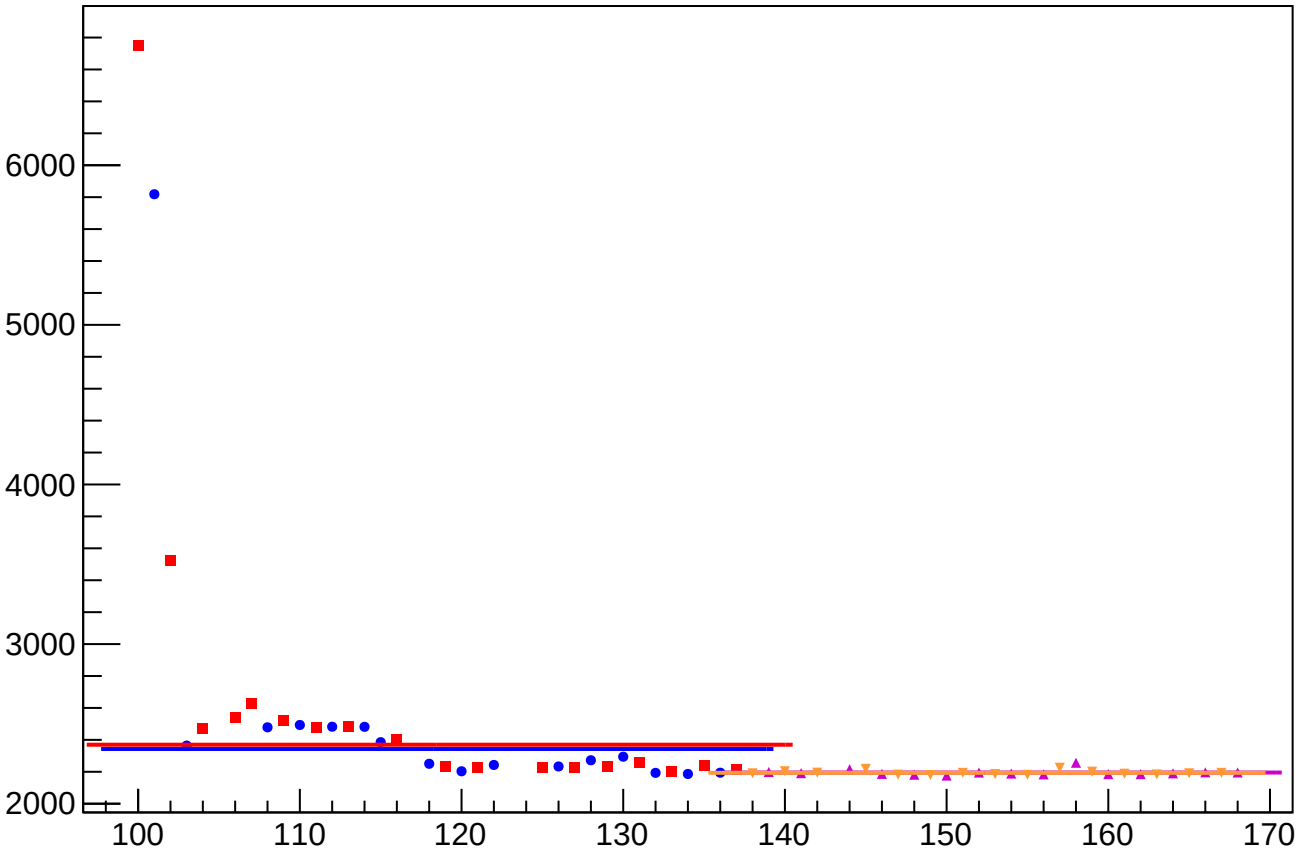
Left: 4167.015+/-445.794 χ^2/NDF: 44.8/29

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4205.151+/-509.713 χ^2/NDF:42.9/30

Out: 4175.452+/-518.633 χ^2/NDF:31.1/32

All: 4190.559+/-363.534 χ^2/NDF: 74.0/63



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.653+/-0.451 χ^2/NDF:838.4/14

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.260+/-0.441 χ^2/NDF:1840.1/14

Left: 2194.476+/-0.315 χ^2/NDF: 2685.0/29

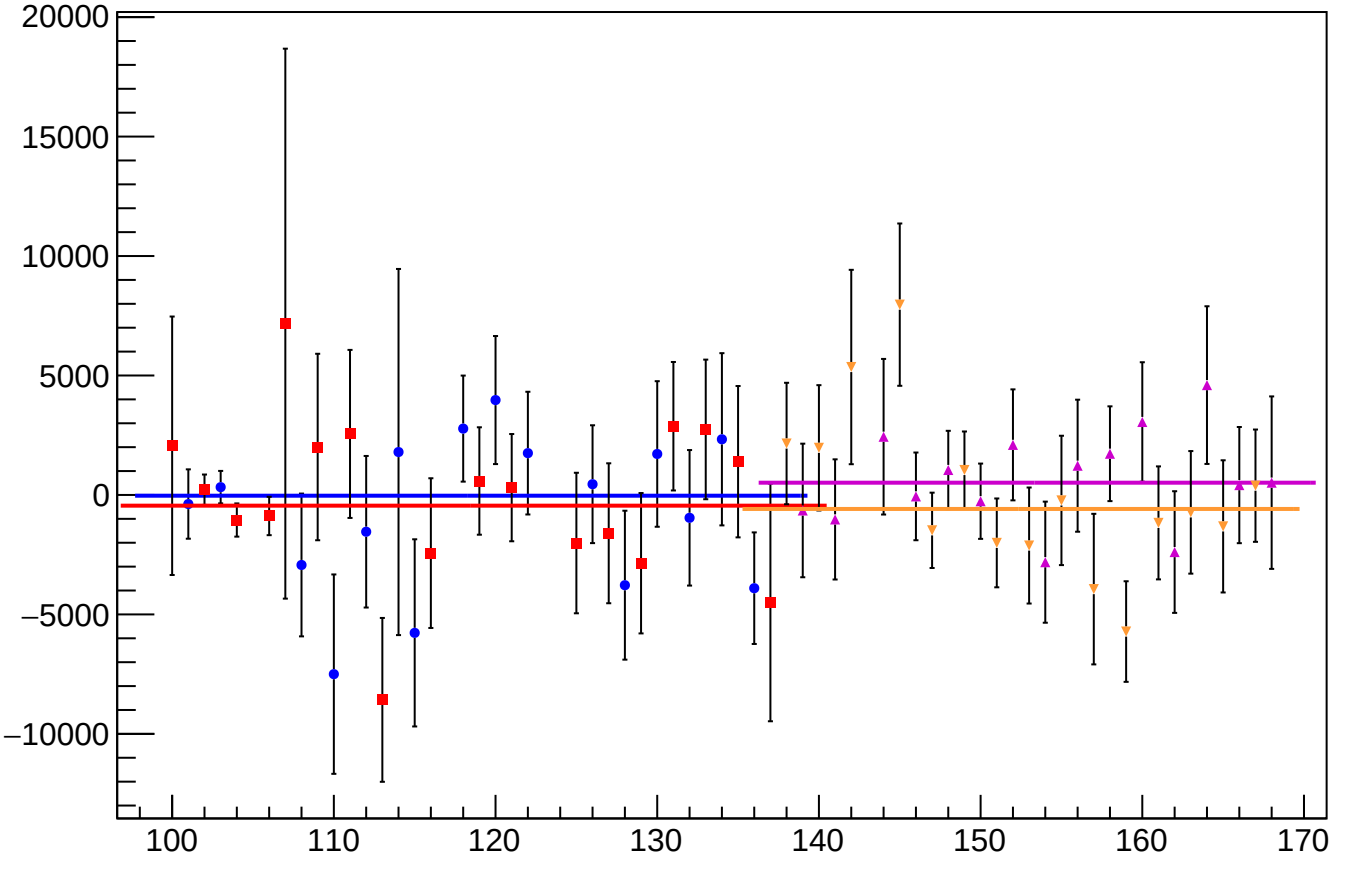
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2244.119+/-0.360 χ^2/NDF:541864.7/30

Out: 2253.333+/-0.367 χ^2/NDF:262566.9/32

All: 2248.646+/-0.257 χ^2/NDF: 804752.6/63

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -586.052+/-597.786 χ^2/NDF:20.3/14

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 512.975+/-594.359 χ^2/NDF:7.8/14

Left: -33.380+/-421.482 χ^2/NDF: 29.8/29

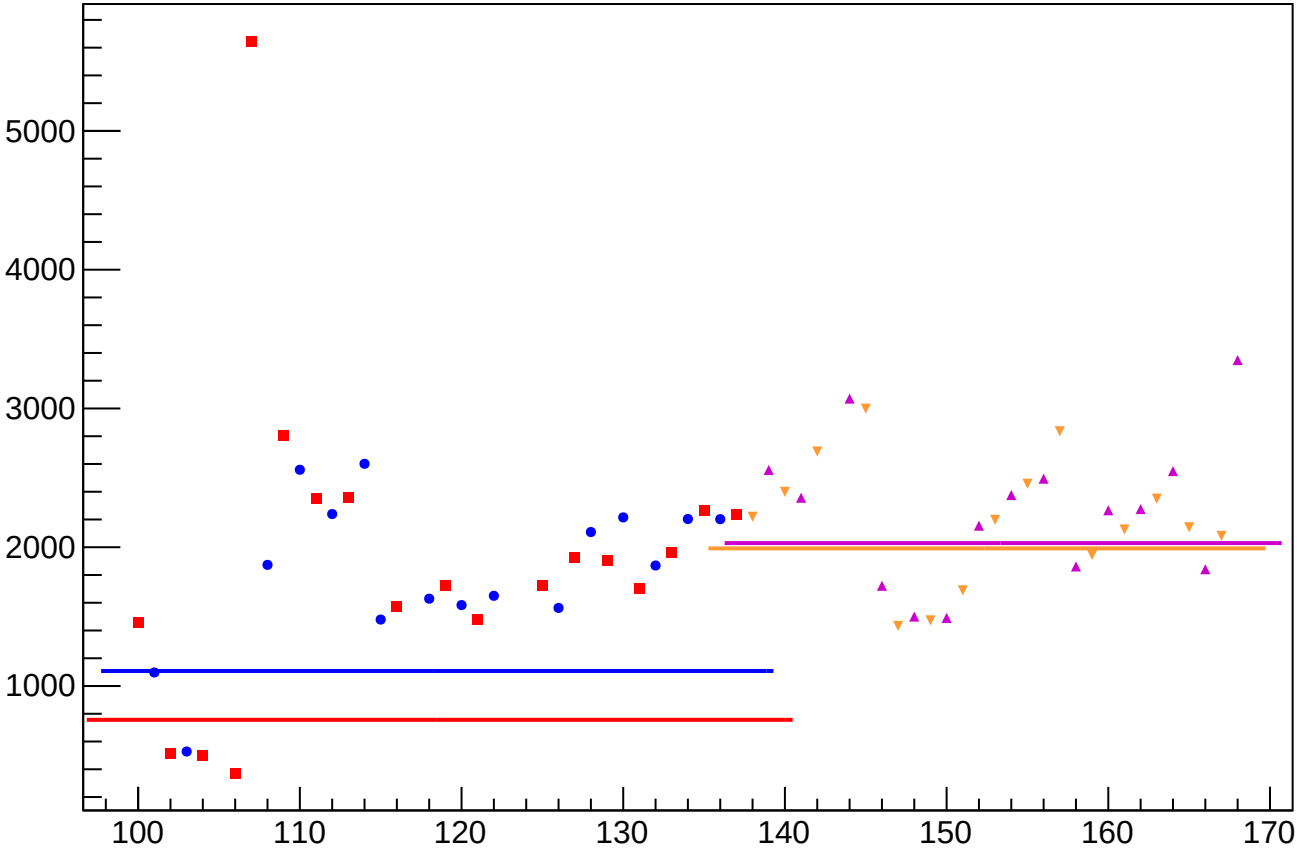
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 186.374+/-375.923 χ^2/NDF:24.7/30

Out: -485.318+/-310.006 χ^2/NDF:35.4/32

All: -213.430+/-239.171 χ^2/NDF: 62.0/63

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1991.688+/-0.423 χ^2/NDF:1082702.5/14

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2029.814+/-0.420 χ^2/NDF:1287389.1/14

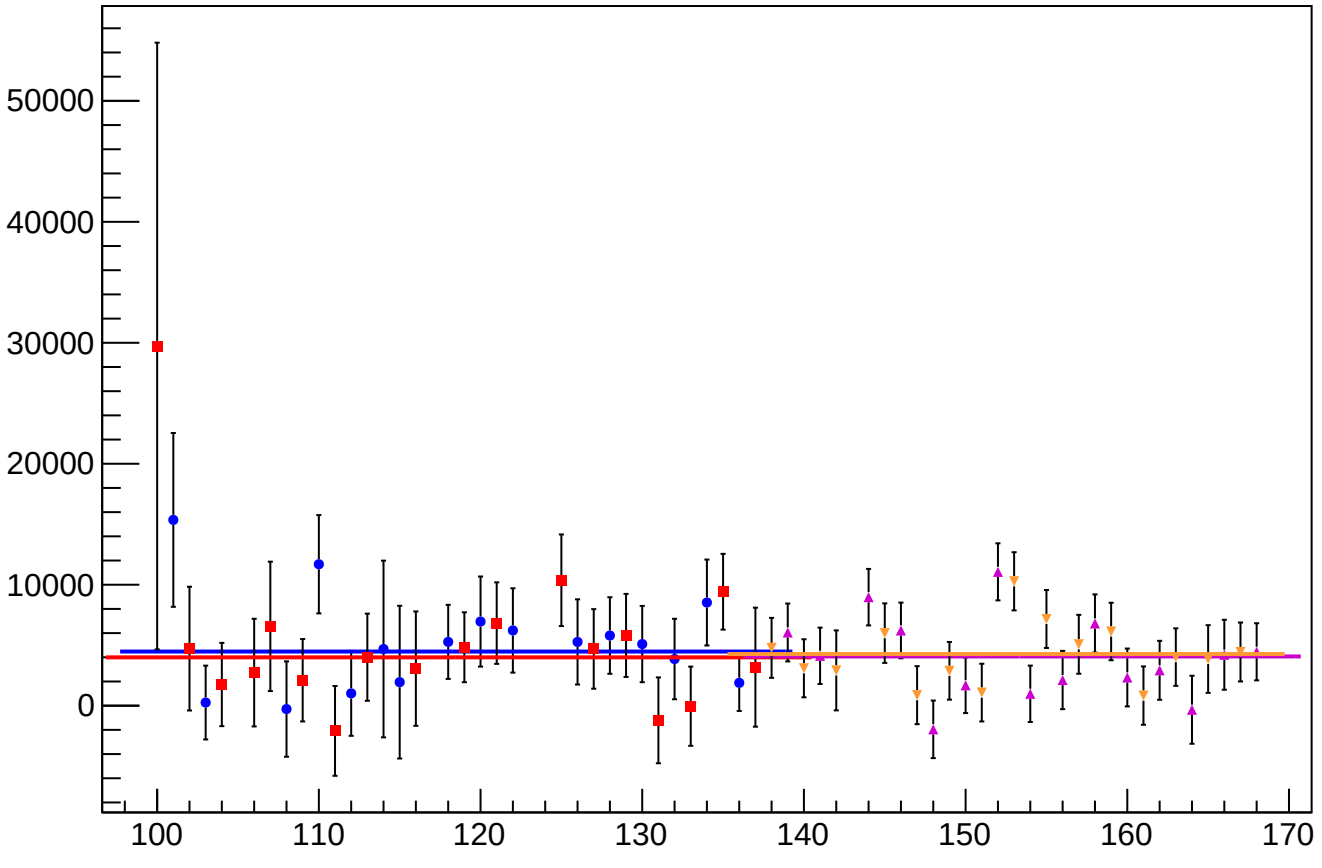
Left: 2010.861+/-0.298 χ^2/NDF: 2374182.8/29

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1476.843+/-0.266 χ^2/NDF:7919312.3/30

Out: 1088.627+/-0.219 χ^2/NDF:12929267.9/32

All: 1245.769+/-0.169 χ^2/NDF: 22118147.5/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4267.682+/-638.027 χ^2/NDF:15.6/14

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4070.991+/-623.133 χ^2/NDF:29.2/14

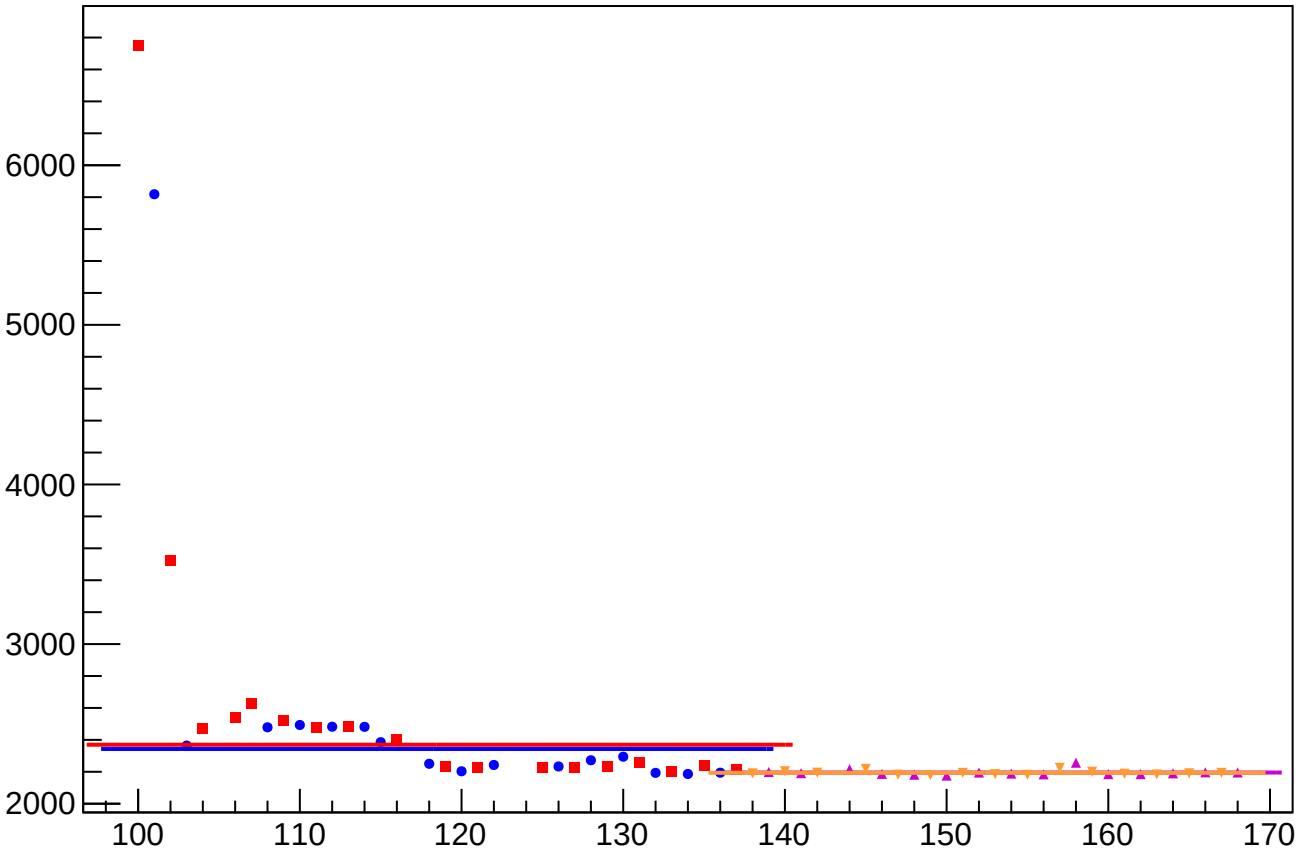
Left: 4167.014+/-445.794 χ^2/NDF: 44.8/29

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4205.151+/-509.713 χ^2/NDF:42.9/30

Out: 4175.449+/-518.633 χ^2/NDF:31.1/32

All: 4190.557+/-363.534 χ^2/NDF: 74.0/63



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.653+/-0.451 χ^2/NDF:838.4/14

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.260+/-0.441 χ^2/NDF:1840.1/14

Left: 2194.476+/-0.315 χ^2/NDF: 2685.0/29

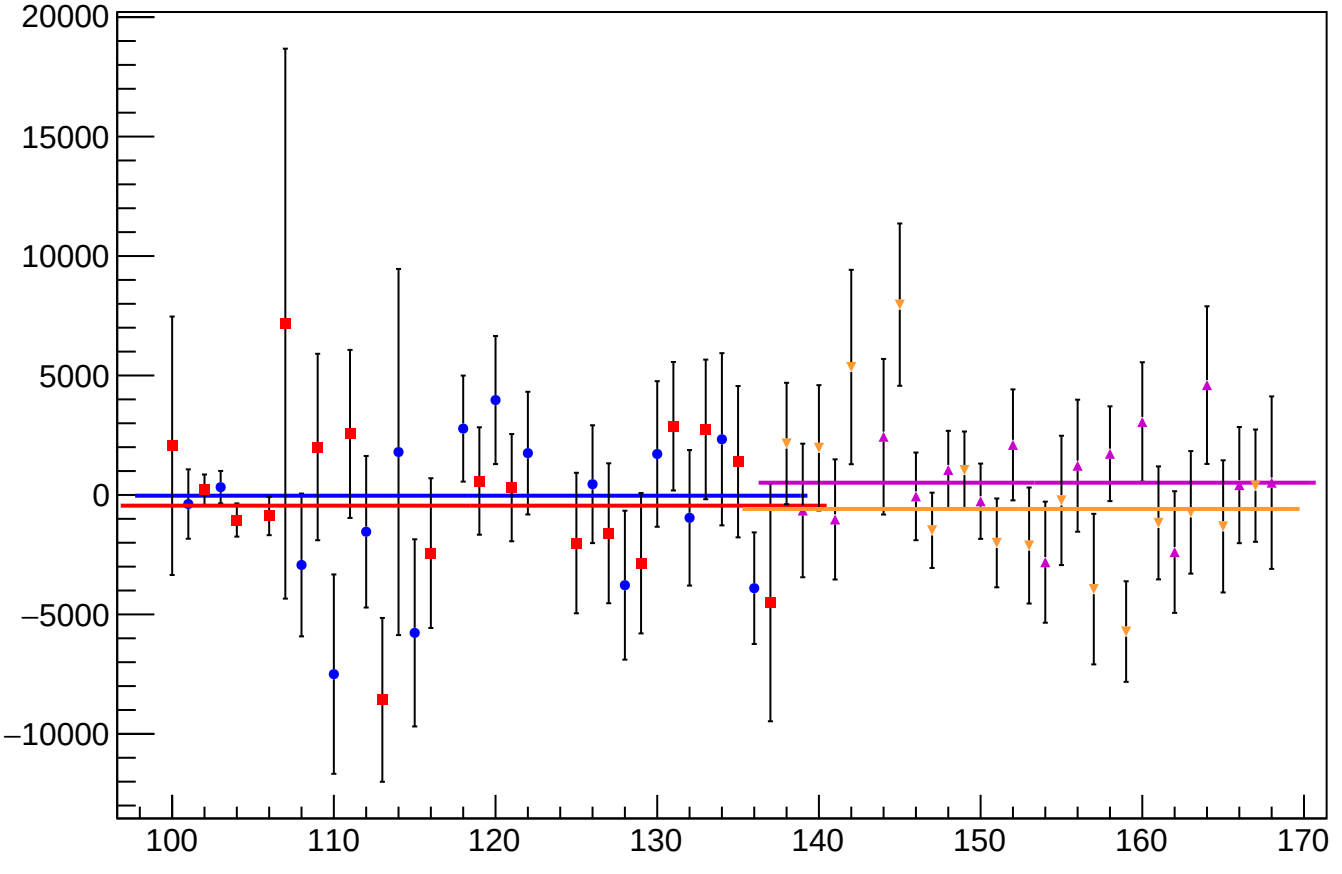
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2244.119+/-0.360 χ^2/NDF:541864.4/30

Out: 2253.333+/-0.367 χ^2/NDF:262565.5/32

All: 2248.646+/-0.257 χ^2/NDF: 804751.0/63

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -586.057+/-597.787 χ^2/NDF:20.3/14

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 512.976+/-594.360 χ^2/NDF:7.8/14

Left: -33.381+/-421.482 χ^2/NDF: 29.8/29

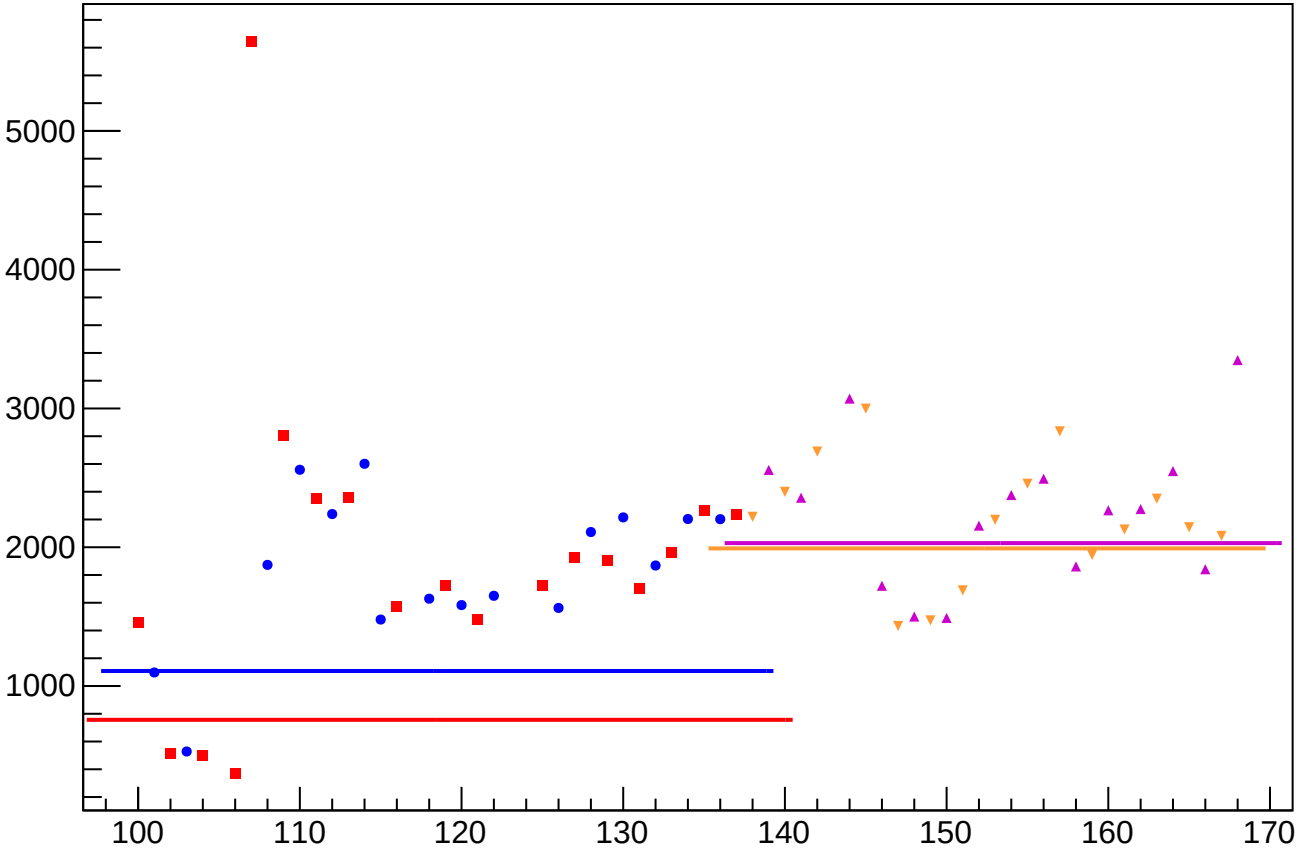
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 186.371+/-375.924 χ^2/NDF:24.7/30

Out: -485.323+/-310.009 χ^2/NDF:35.4/32

All: -213.432+/-239.173 χ^2/NDF: 62.0/63

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: 1991.691+/-0.423 χ^2/NDF:1082702.6/14

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2029.818+/-0.420 χ^2/NDF:1287388.1/14

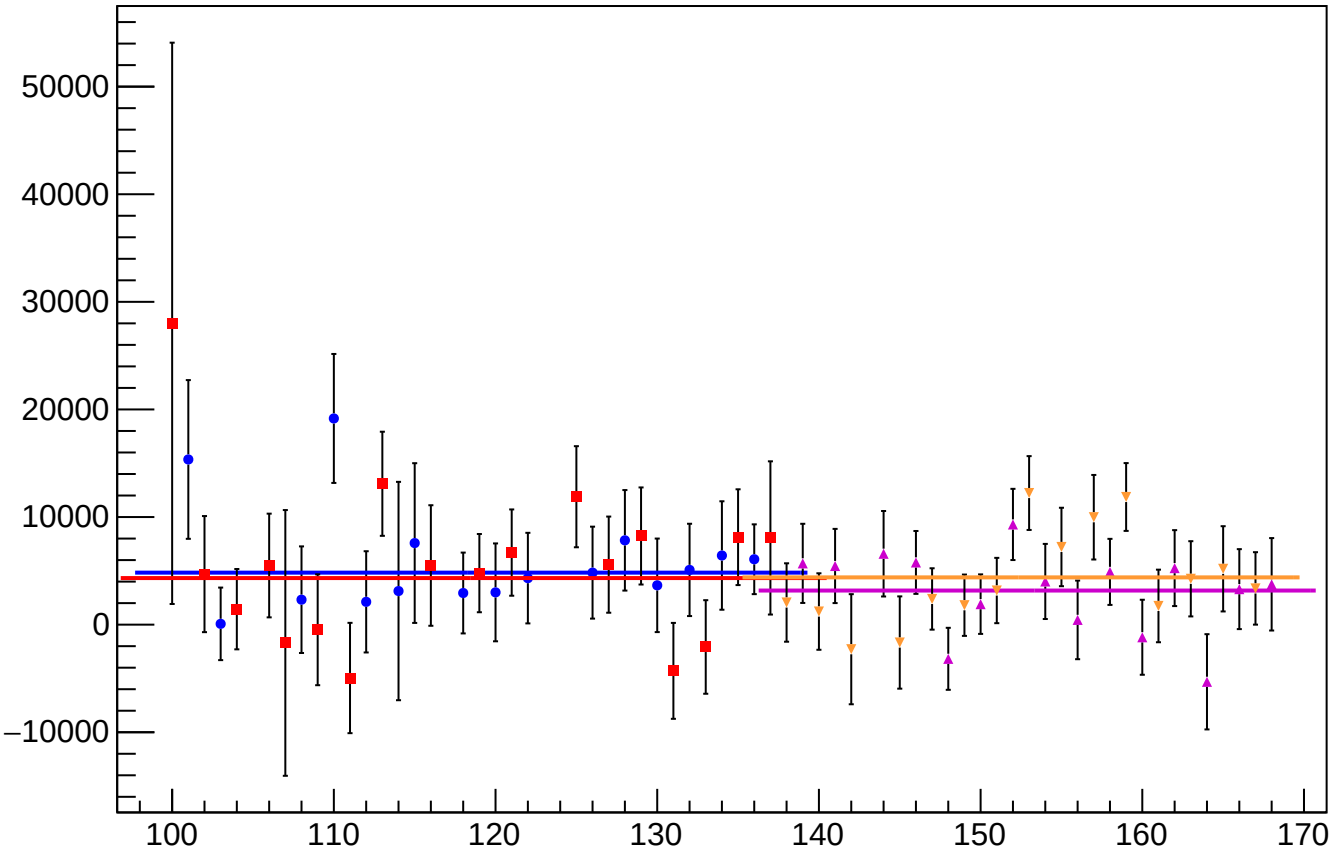
Left: 2010.864+/-0.298 χ^2/NDF: 2374181.9/29

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1476.851+/-0.266 χ^2/NDF:7919179.7/30

Out: 1088.645+/-0.219 χ^2/NDF:12928973.2/32

All: 1245.784+/-0.169 χ^2/NDF: 22117648.1/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4392.985+/-894.756 χ^2/NDF:20.6/14

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3169.792+/-882.312 χ^2/NDF:17.5/14

Left: 3772.824+/-628.242 χ^2/NDF: 39.0/29

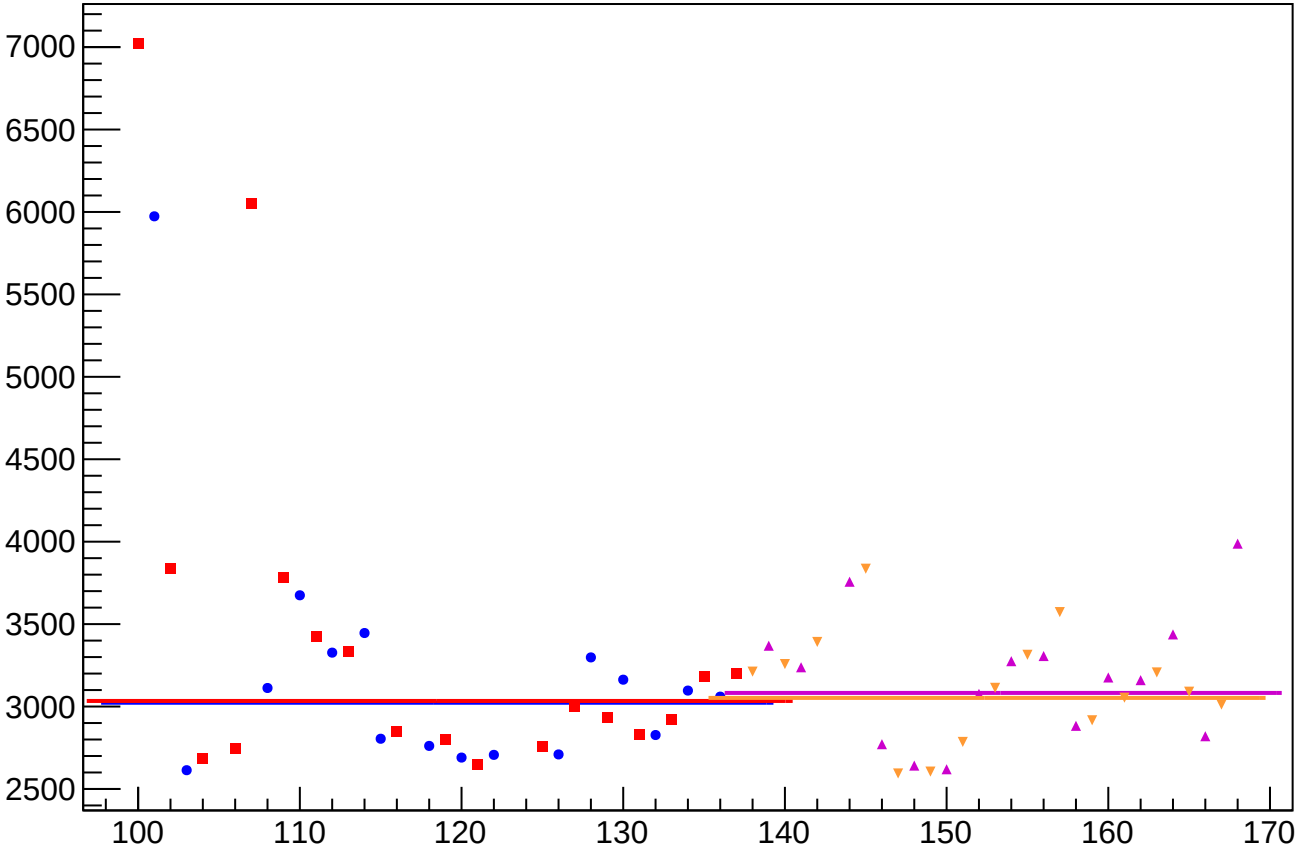
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3791.424+/-698.325 χ^2/NDF:30.5/30

Out: 4368.562+/-704.915 χ^2/NDF:40.5/32

All: 4077.283+/-496.104 χ^2/NDF: 71.3/63

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: 3052.359+/-0.633 χ^2/NDF:256529.1/14

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3082.600+/-0.624 χ^2/NDF:335573.7/14

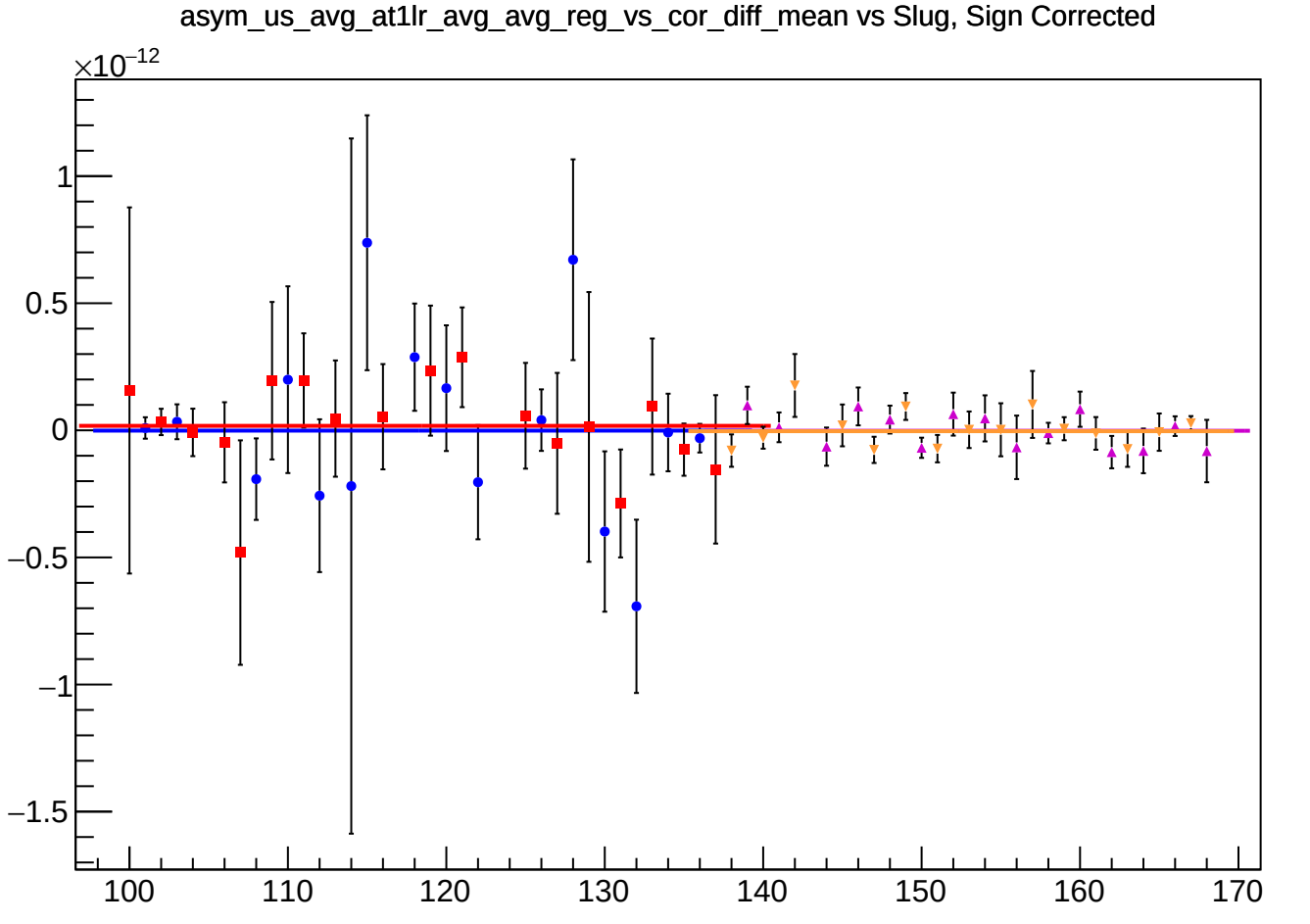
Left: 3067.691+/-0.444 χ^2/NDF: 593261.1/29

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3060.361+/-0.494 χ^2/NDF:782680.9/30

Out: 3045.345+/-0.498 χ^2/NDF:599527.7/32

All: 3052.923+/-0.351 χ^2/NDF: 1382666.6/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.6/14

Left: -0.000+/-0.000 χ^2/NDF: 27.6/29

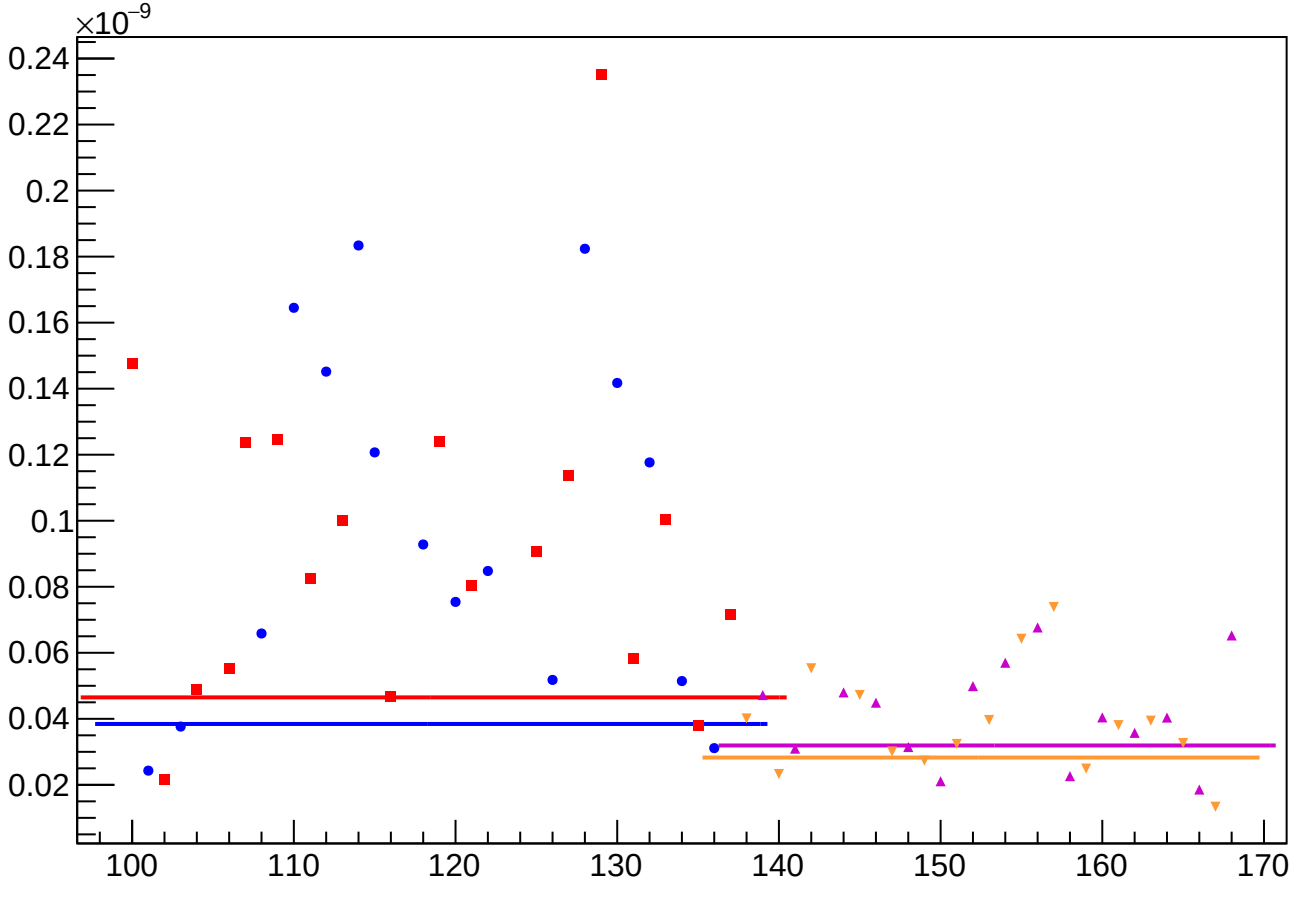
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:30.7/30

Out: -0.000+/-0.000 χ^2/NDF:23.2/32

All: -0.000+/-0.000 χ^2/NDF: 54.0/63

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1508036.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1342364.7/14

Left: 0.000+/-0.000 χ^2/NDF: 2909103.4/29

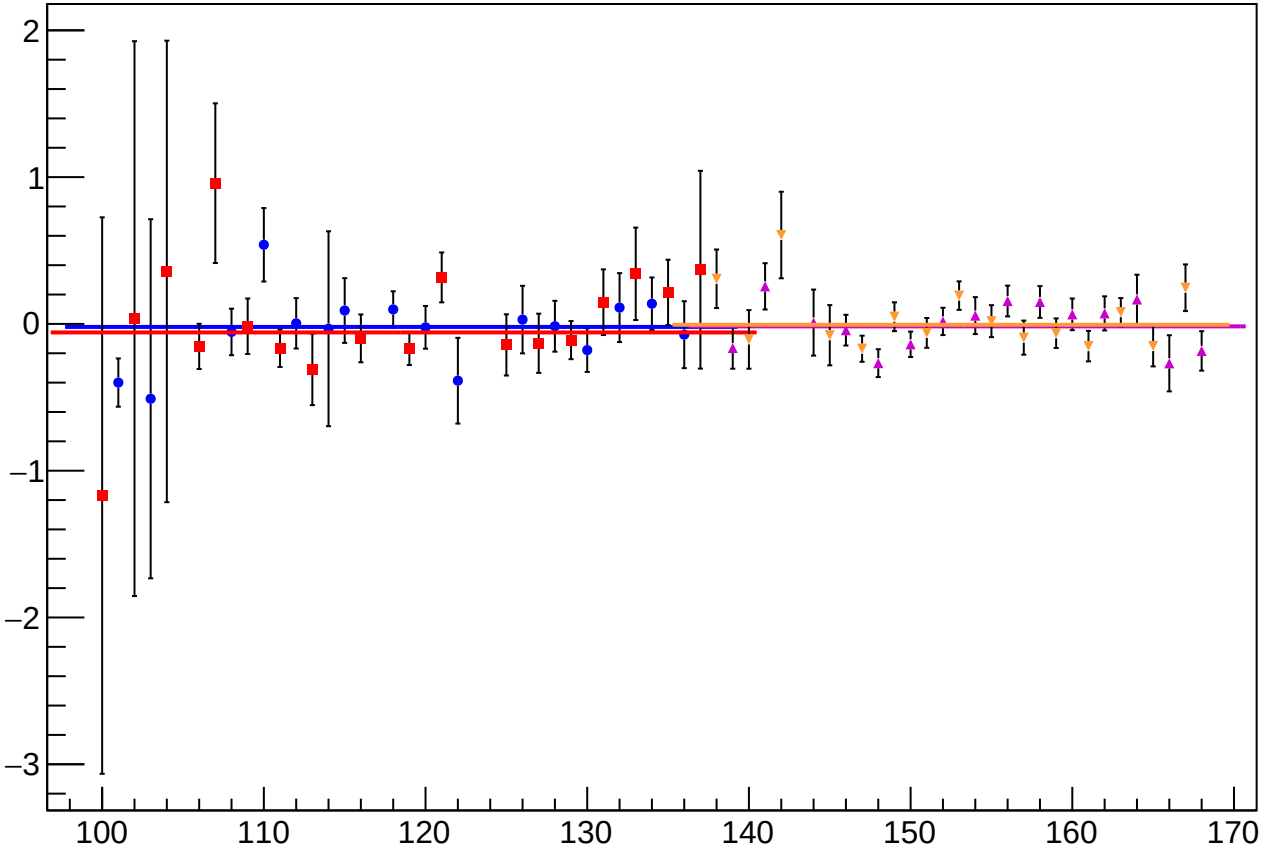
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3199612.0/30

Out: 0.000+/-0.000 χ^2/NDF:3679368.5/32

All: 0.000+/-0.000 χ^2/NDF: 6915062.1/63

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: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.017+/-0.030 χ^2/NDF:24.3/14

Left: -0.011+/-0.022 χ^2/NDF: 47.0/29

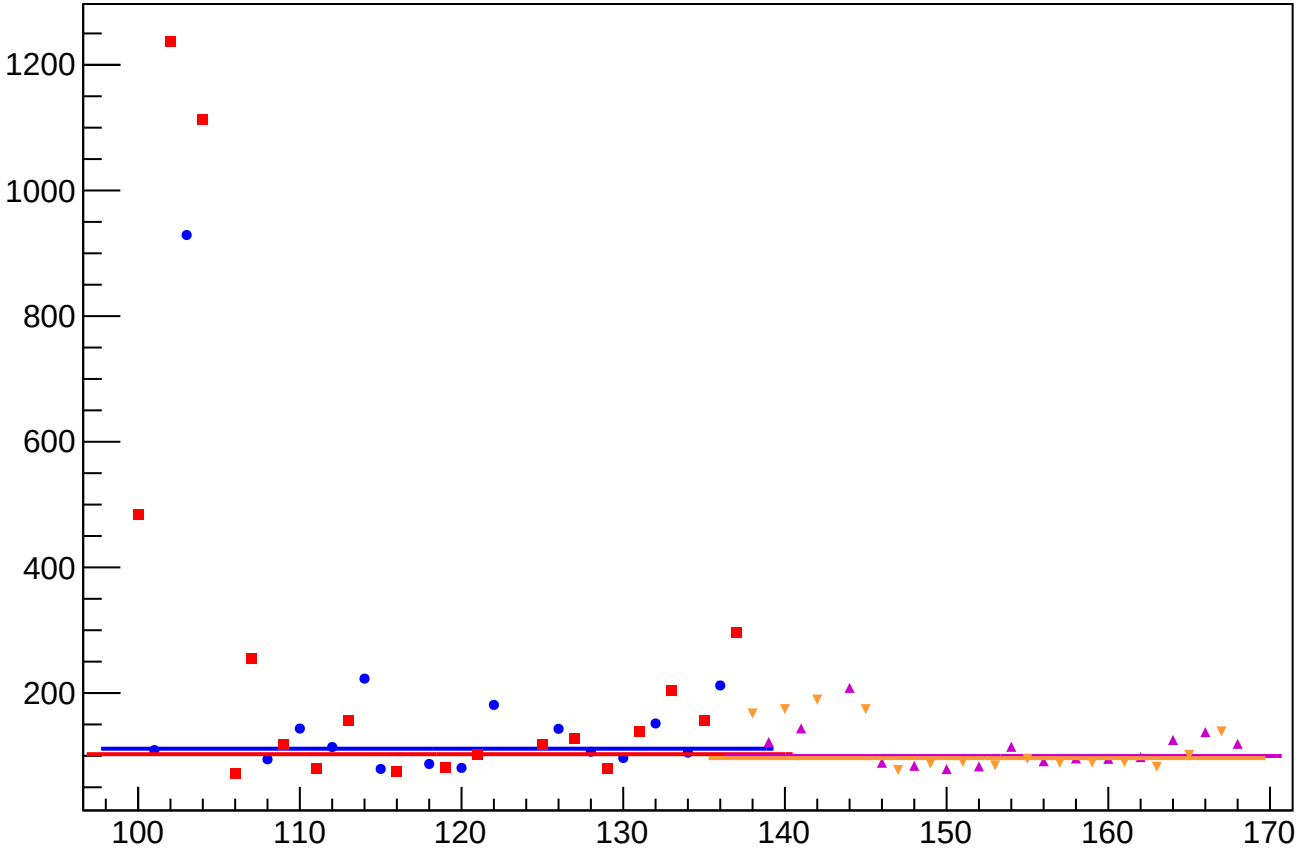
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.018+/-0.026 χ^2/NDF:39.9/30

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.020+/-0.018 χ^2/NDF: 80.3/63

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: 96.384+/-0.022 χ^2/NDF:1405090.5/14

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 99.779+/-0.022 χ^2/NDF:1136187.4/14

Left: 98.089+/-0.015 χ^2/NDF: 2553658.4/29

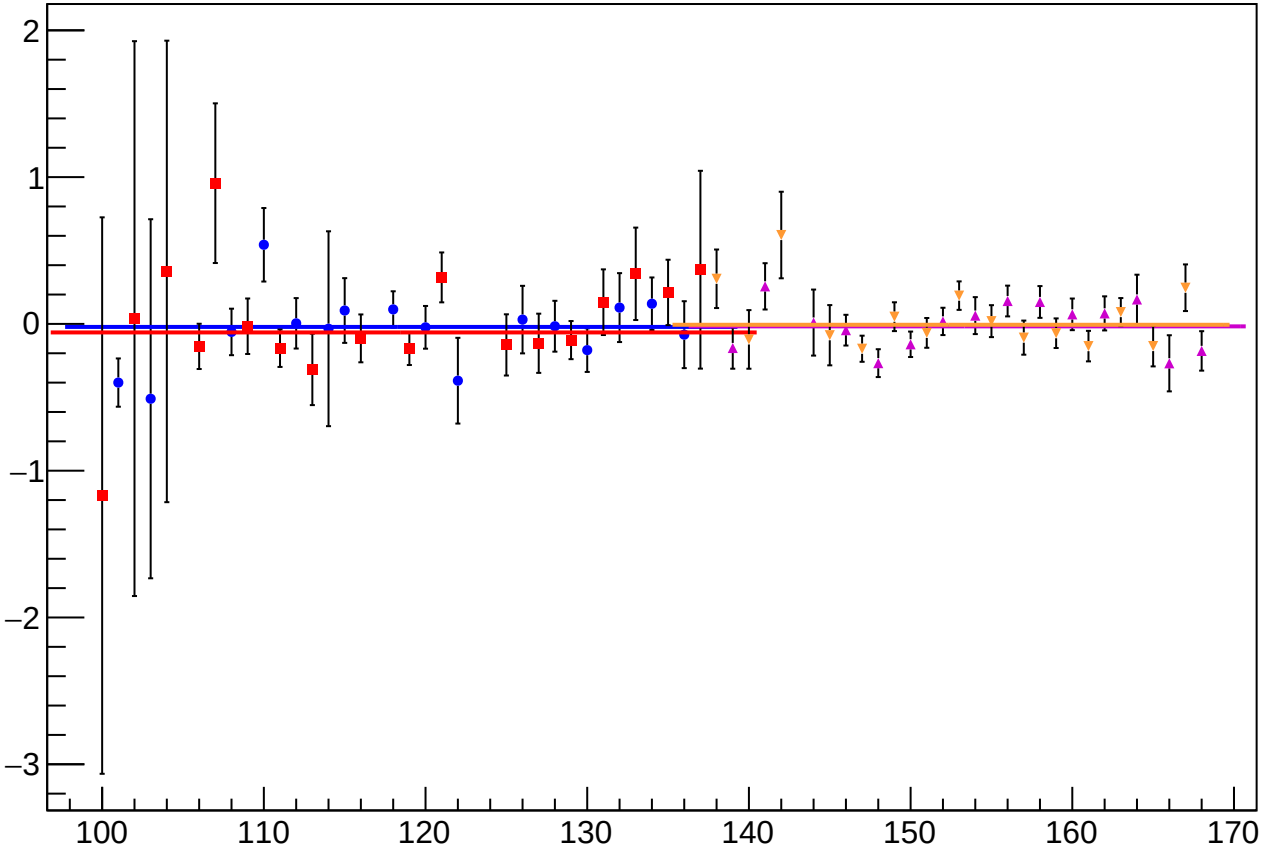
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 103.153+/-0.018 χ^2/NDF:3060160.2/30

Out: 98.288+/-0.018 χ^2/NDF:4257553.5/32

All: 100.709+/-0.013 χ^2/NDF: 7353842.3/63

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: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.017+/-0.030 χ^2/NDF:24.3/14

Left: -0.011+/-0.022 χ^2/NDF: 47.0/29

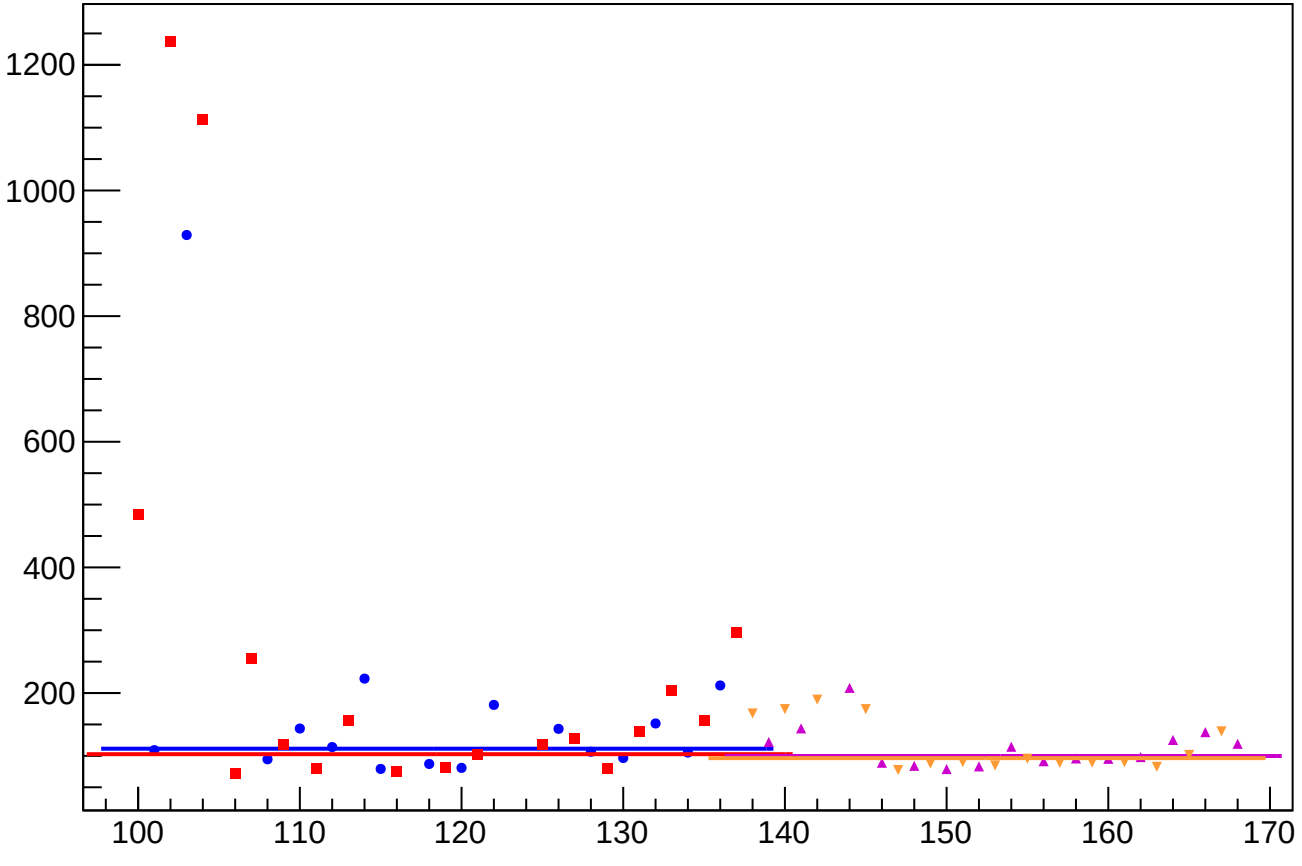
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.018+/-0.026 χ^2/NDF:39.9/30

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.020+/-0.018 χ^2/NDF: 80.3/63

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: 96.384+/-0.022 χ^2/NDF:1405090.5/14

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 99.779+/-0.022 χ^2/NDF:1136187.4/14

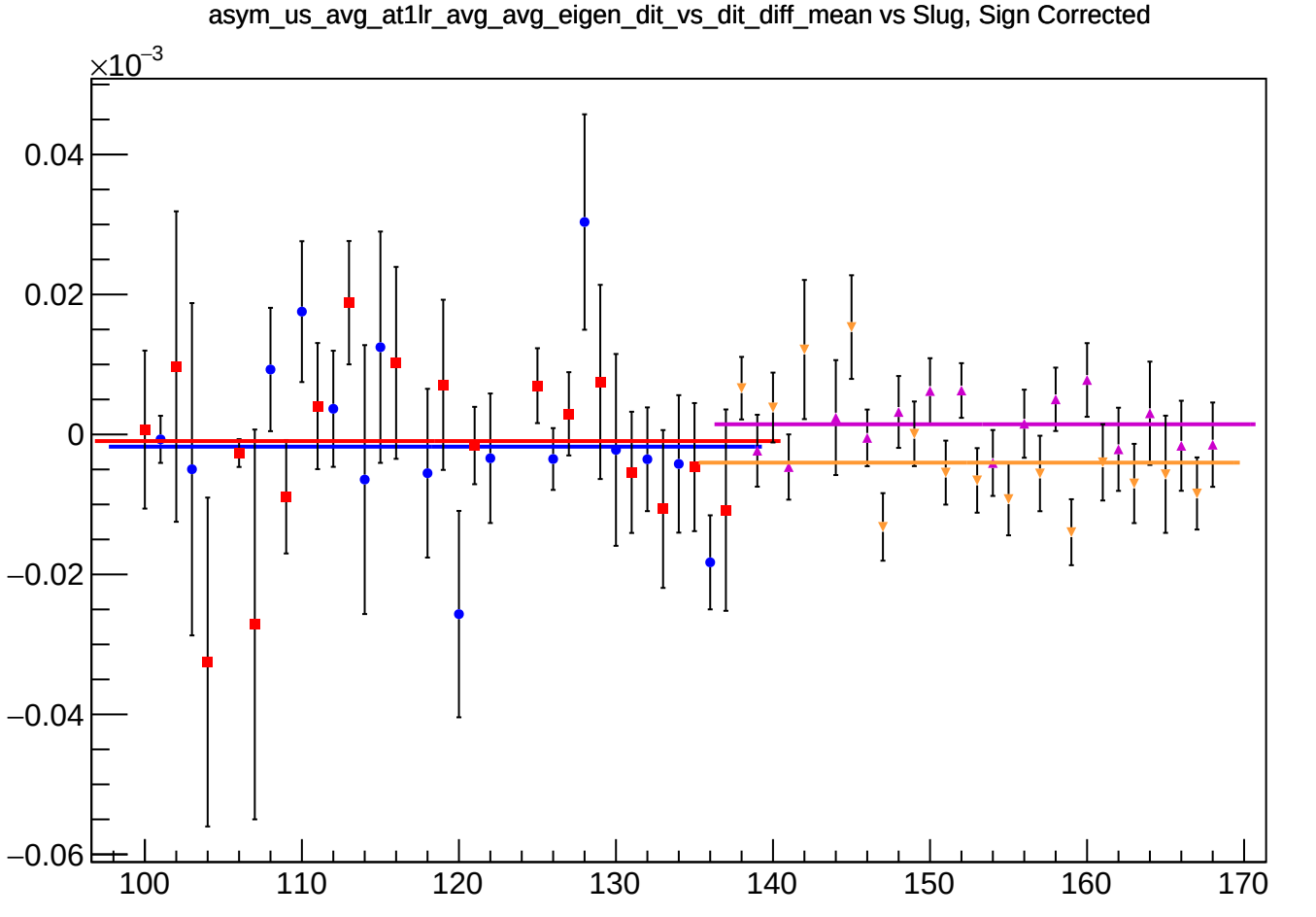
Left: 98.089+/-0.015 χ^2/NDF: 2553658.4/29

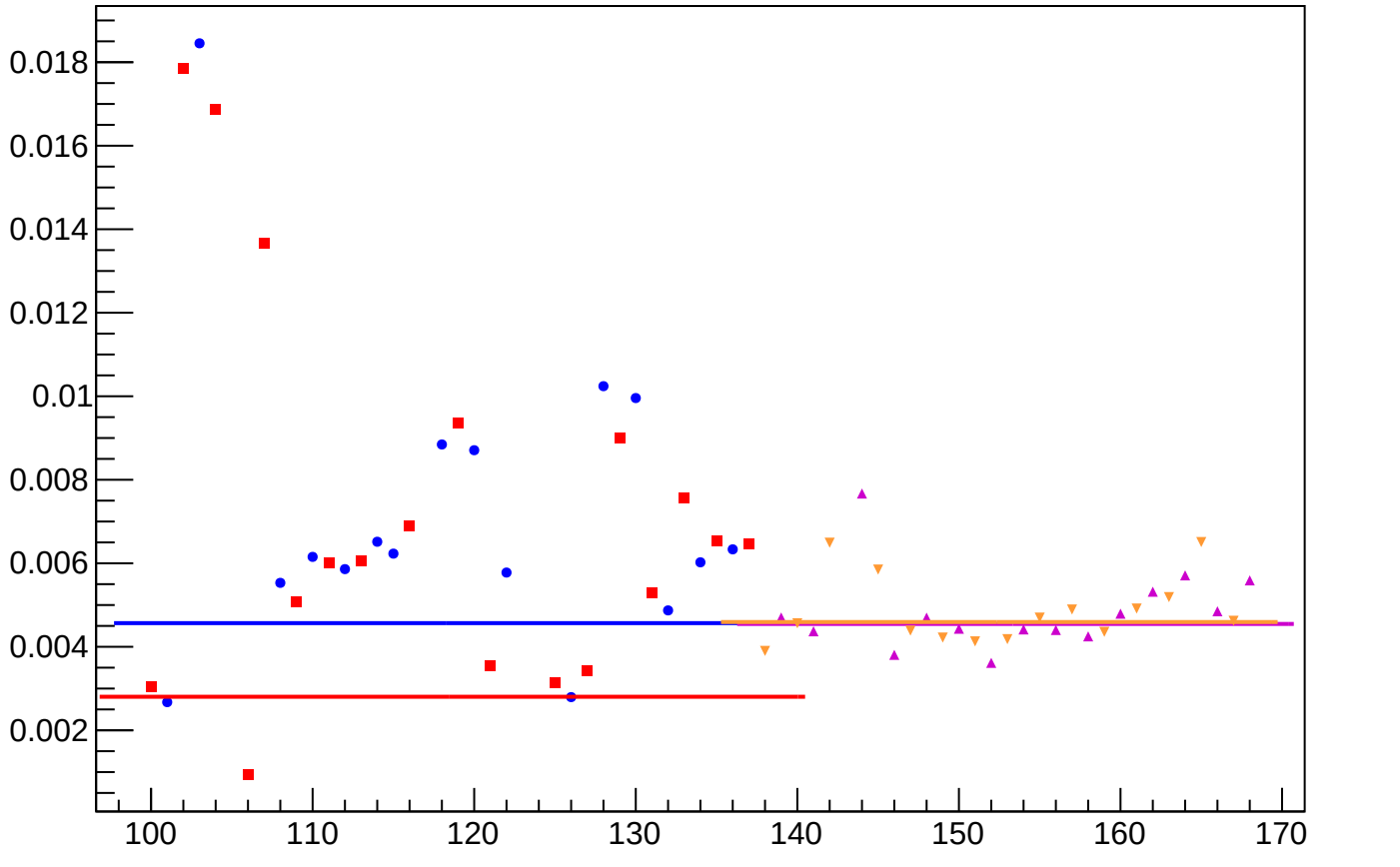
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 103.153+/-0.018 χ^2/NDF:3060160.2/30

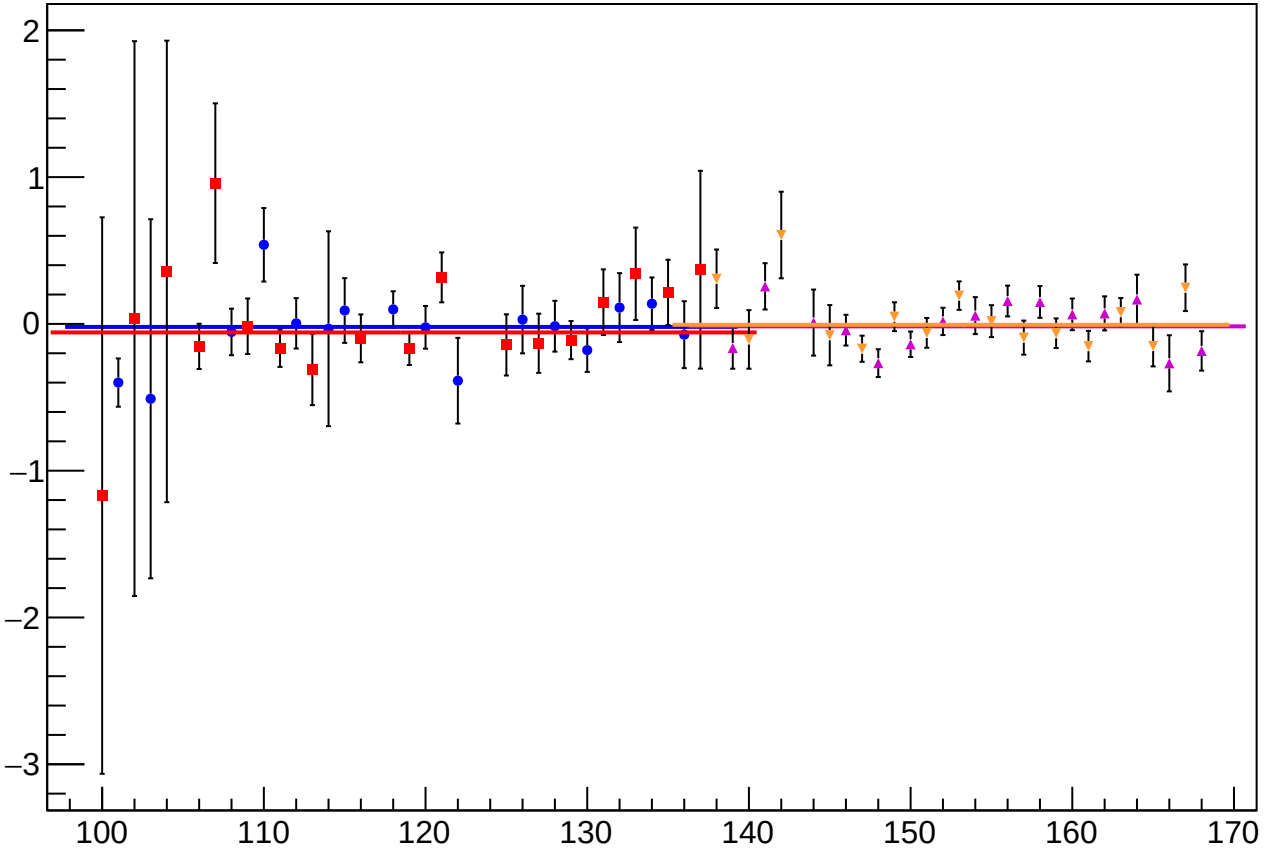
Out: 98.288+/-0.018 χ^2/NDF:4257553.5/32

All: 100.709+/-0.013 χ^2/NDF: 7353842.3/63


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:9.5/14
Left: -0.000+/-0.000 χ²/NDF: 46.9/29
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: 0.000+/-0.000 χ²/NDF:31.4/30
Out: -0.000+/-0.000 χ²/NDF:47.1/32
All: -0.000+/-0.000 χ²/NDF: 82.8/63


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:377559.2/14
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:641655.5/14
Left: 0.005+/-0.000 χ²/NDF: 1020396.5/29
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3654053.7/30
Out: 0.004+/-0.000 χ²/NDF:8570602.0/32
All: 0.004+/-0.000 χ²/NDF: 12787270.2/63

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: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.017+/-0.030 χ^2/NDF:24.3/14

Left: -0.011+/-0.022 χ^2/NDF: 47.0/29

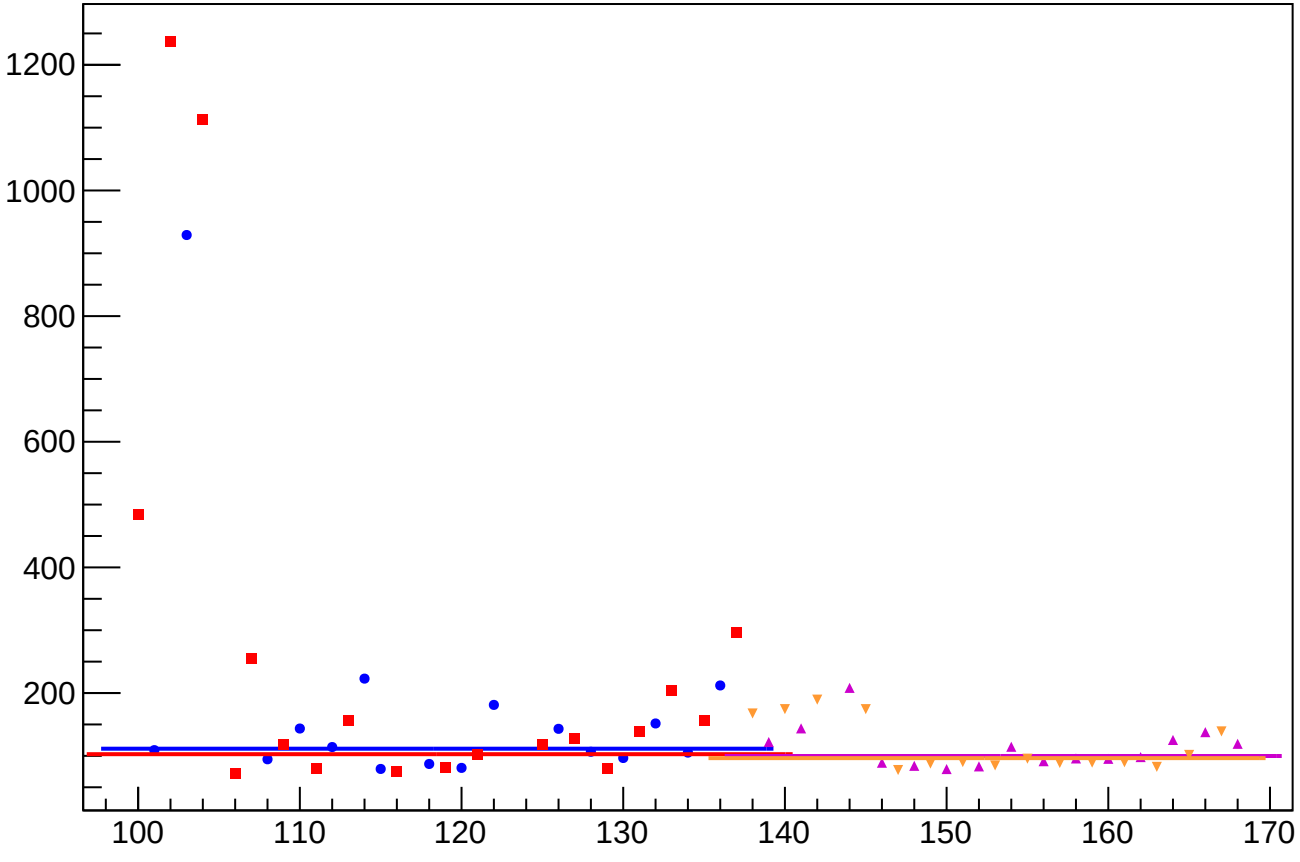
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.018+/-0.026 χ^2/NDF:39.9/30

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.020+/-0.018 χ^2/NDF: 80.3/63

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: 96.385+/-0.022 χ^2/NDF:1405074.8/14

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 99.780+/-0.022 χ^2/NDF:1136173.1/14

Left: 98.089+/-0.015 χ^2/NDF: 2553627.4/29

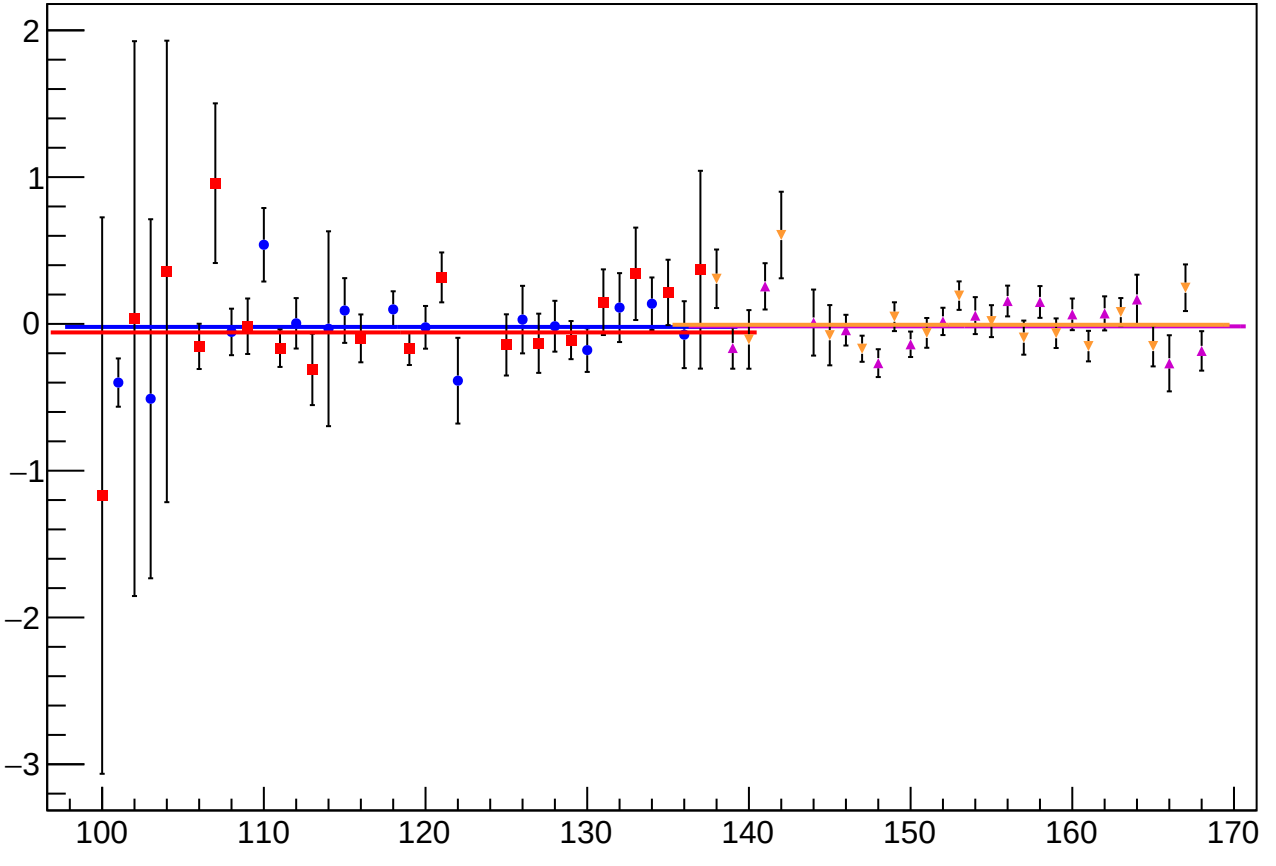
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 103.152+/-0.018 χ^2/NDF:3060149.8/30

Out: 98.288+/-0.018 χ^2/NDF:4257517.1/32

All: 100.709+/-0.013 χ^2/NDF: 7353790.8/63

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: -0.006+/-0.031 χ^2/NDF:22.6/14

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.017+/-0.030 χ^2/NDF:24.3/14

Left: -0.011+/-0.022 χ^2/NDF: 47.0/29

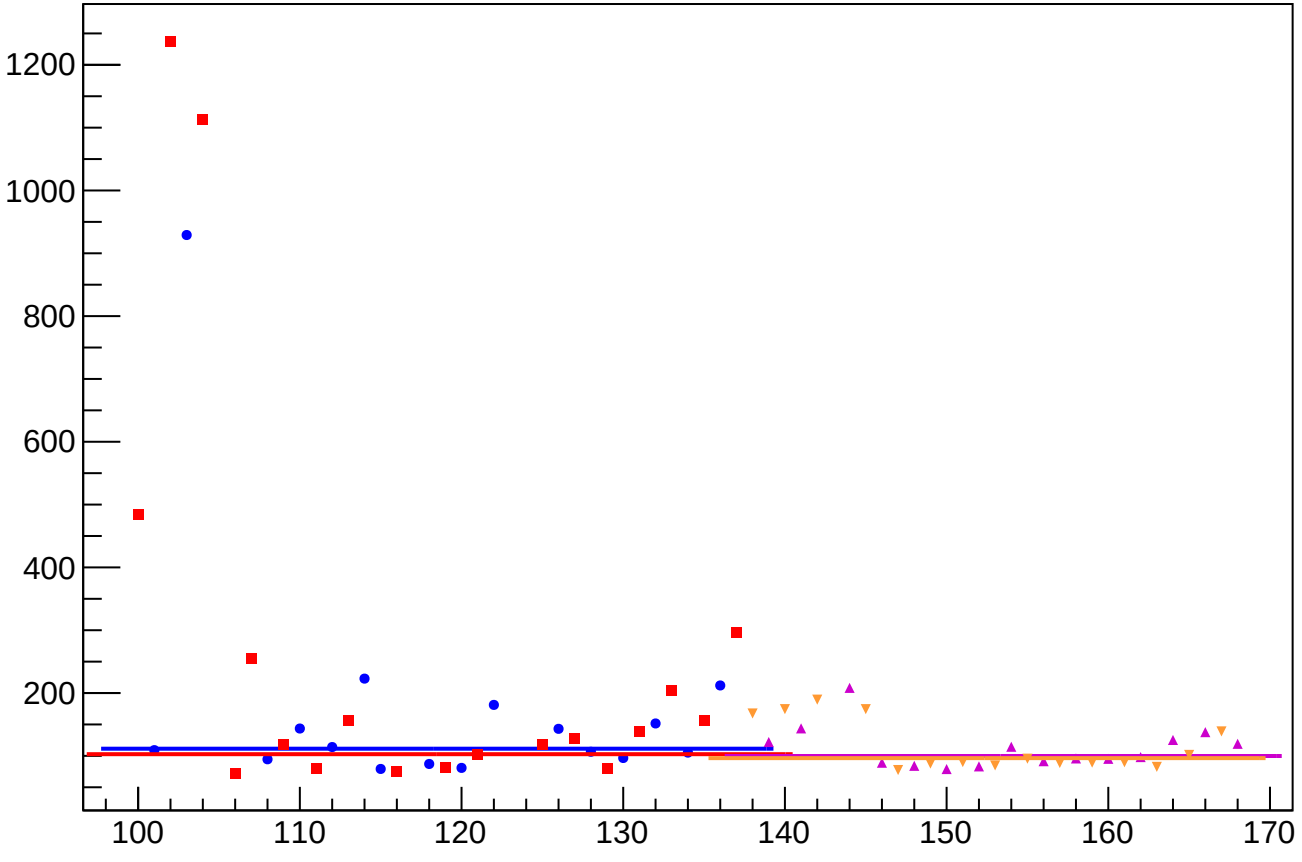
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.018+/-0.026 χ^2/NDF:39.9/30

Out: -0.022+/-0.026 χ^2/NDF:40.4/32

All: -0.020+/-0.018 χ^2/NDF: 80.3/63

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: 96.385+/-0.022 χ^2/NDF:1405074.8/14

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 99.780+/-0.022 χ^2/NDF:1136173.1/14

Left: 98.089+/-0.015 χ^2/NDF: 2553627.4/29

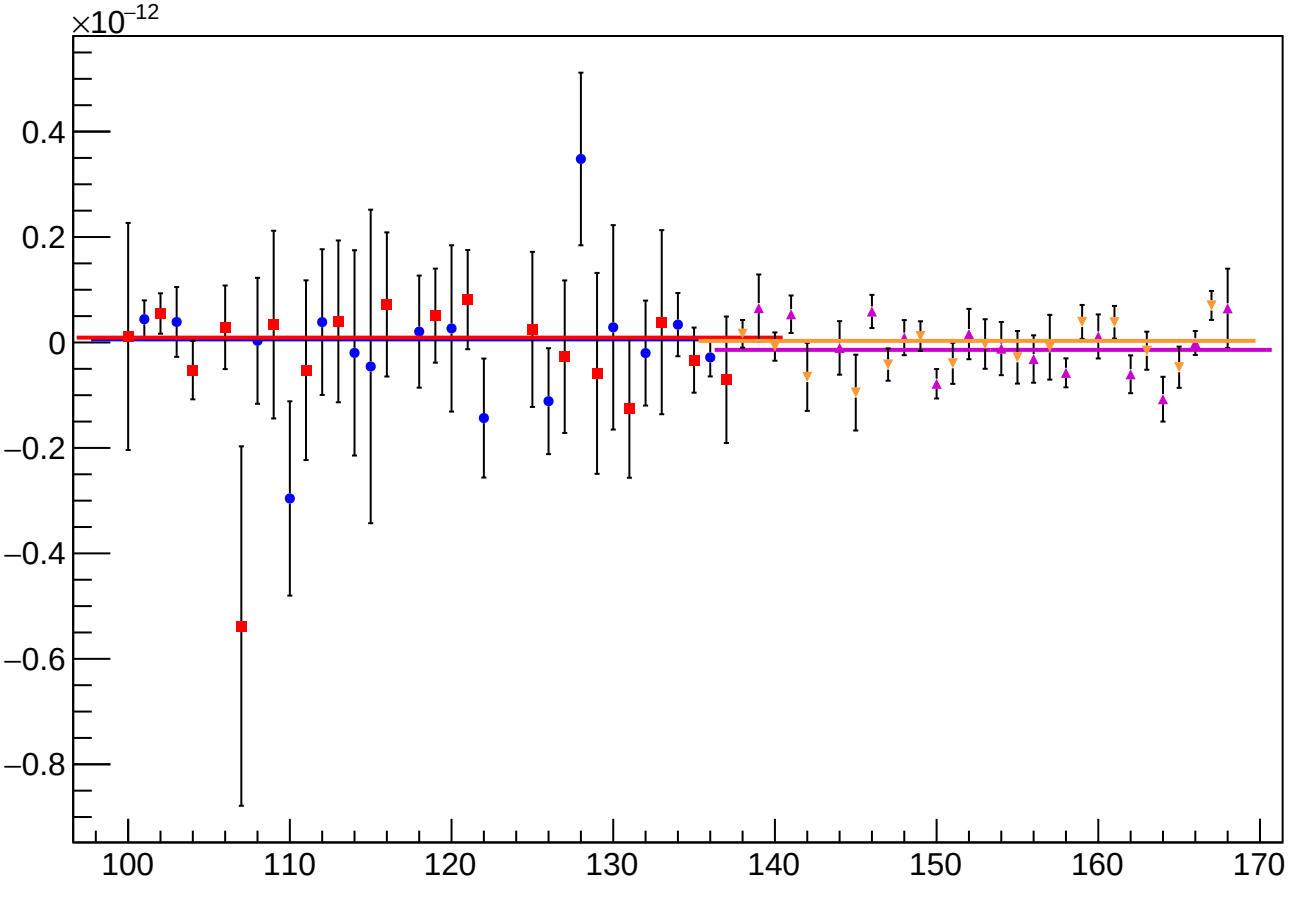
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 103.152+/-0.018 χ^2/NDF:3060149.8/30

Out: 98.288+/-0.018 χ^2/NDF:4257517.1/32

All: 100.709+/-0.013 χ^2/NDF: 7353790.8/63

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:17.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.7/14

Left: -0.000+/-0.000 χ^2/NDF: 47.1/29

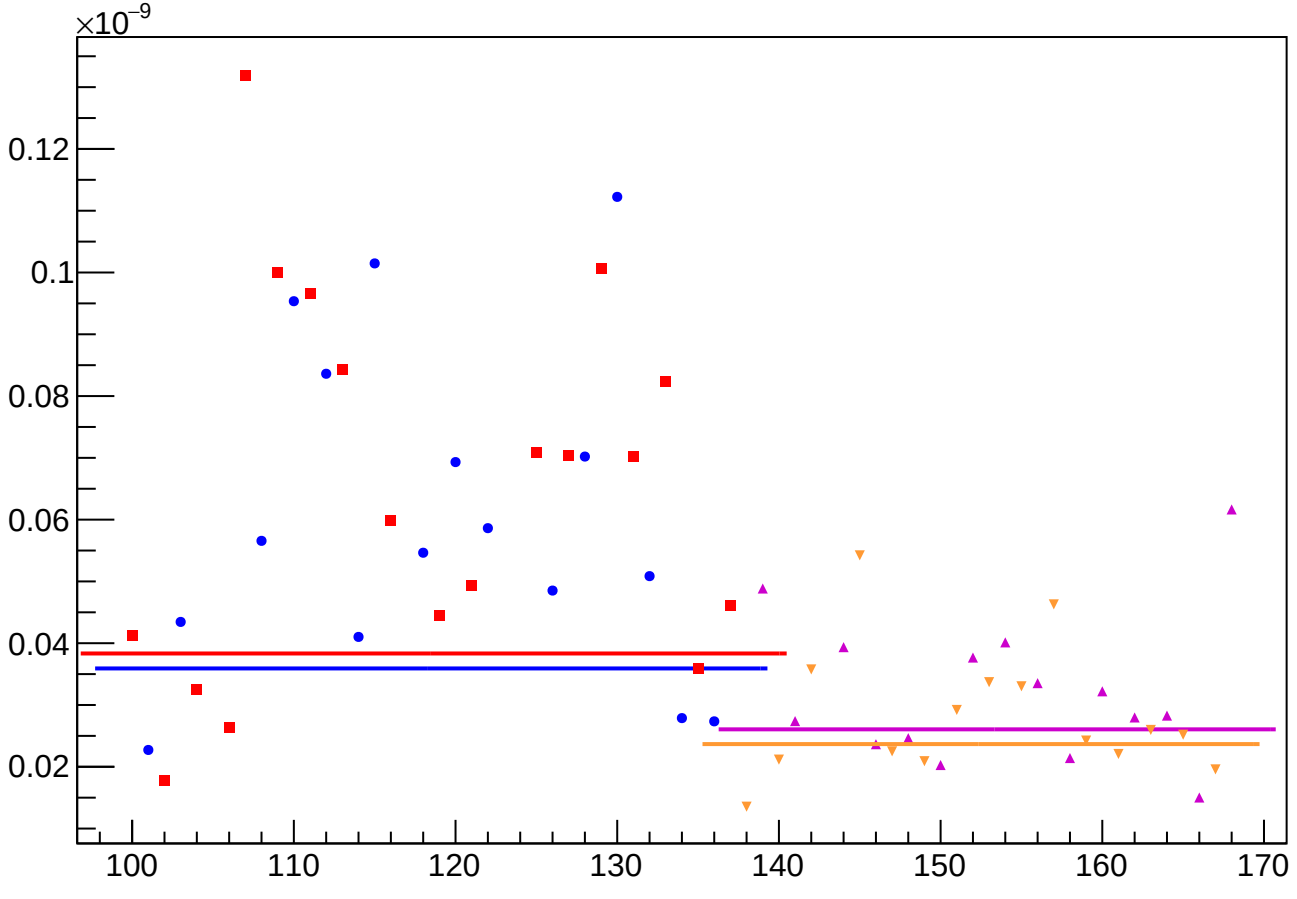
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:41.4/30

Out: 0.000+/-0.000 χ^2/NDF:26.5/32

All: -0.000+/-0.000 χ^2/NDF: 69.3/63

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:1303292.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1860977.6/14

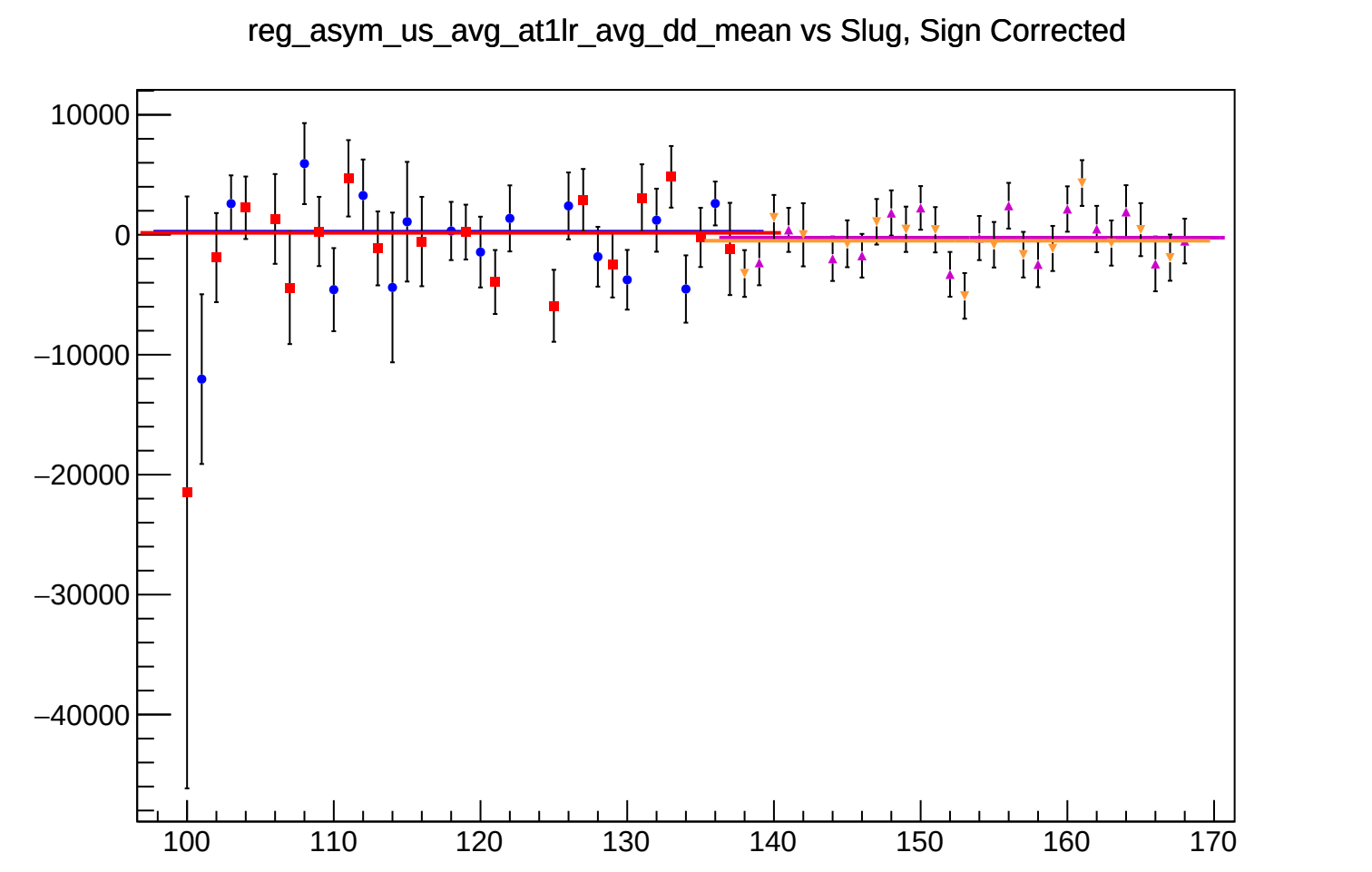
Left: 0.000+/-0.000 χ^2/NDF: 3230942.1/29

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4045724.2/30

Out: 0.000+/-0.000 χ^2/NDF:4288575.3/32

All: 0.000+/-0.000 χ^2/NDF: 8396673.3/63



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.381+/-504.304 χ^2/NDF:17.7/14

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -246.521+/-492.697 χ^2/NDF:15.6/14

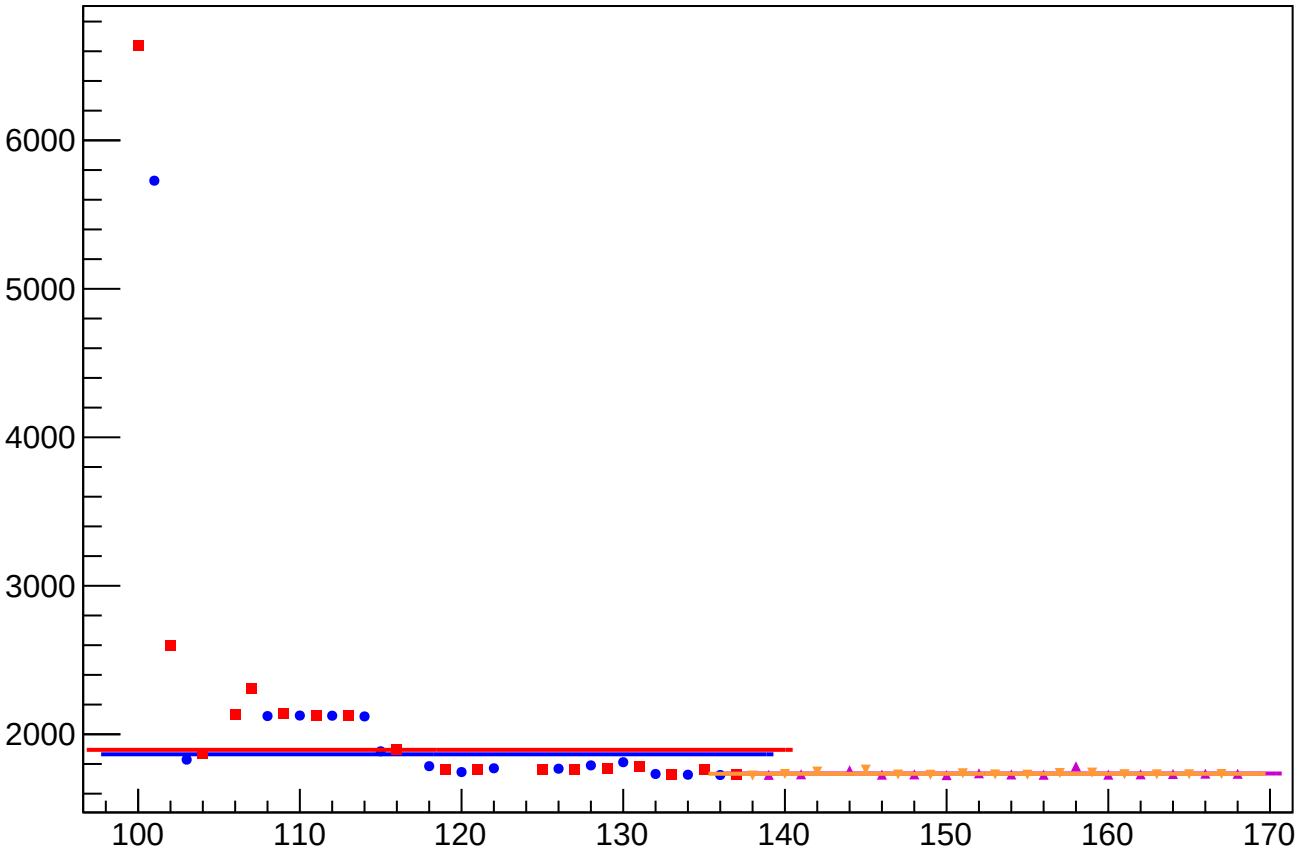
Left: -369.519+/-352.421 χ^2/NDF: 33.4/29

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -81.953+/-404.726 χ^2/NDF:35.4/30

Out: -278.784+/-411.593 χ^2/NDF:36.3/32

All: -178.713+/-288.582 χ^2/NDF: 71.8/63



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF:697.4/14

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.822+/-0.348 χ^2/NDF:1887.5/14

Left: 1734.958+/-0.249 χ^2/NDF: 2597.5/29

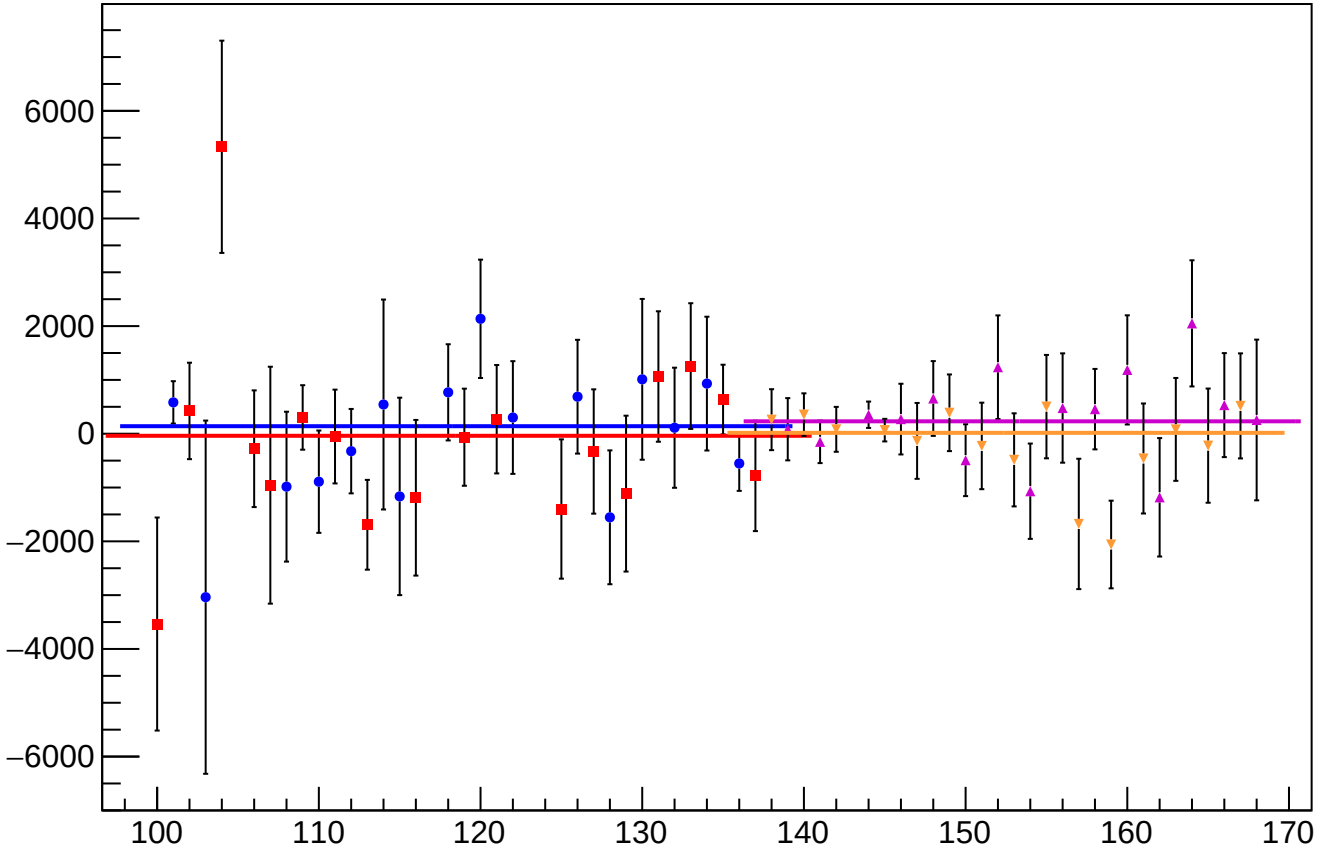
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1777.888+/-0.286 χ^2/NDF:719442.1/30

Out: 1787.874+/-0.291 χ^2/NDF:319729.9/32

All: 1782.797+/-0.204 χ^2/NDF: 1039770.5/63

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 16.305+/-138.583 χ^2/NDF:11.0/14

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 230.576+/-154.623 χ^2/NDF:11.2/14

Left: 111.753+/-103.199 χ^2/NDF: 23.3/29

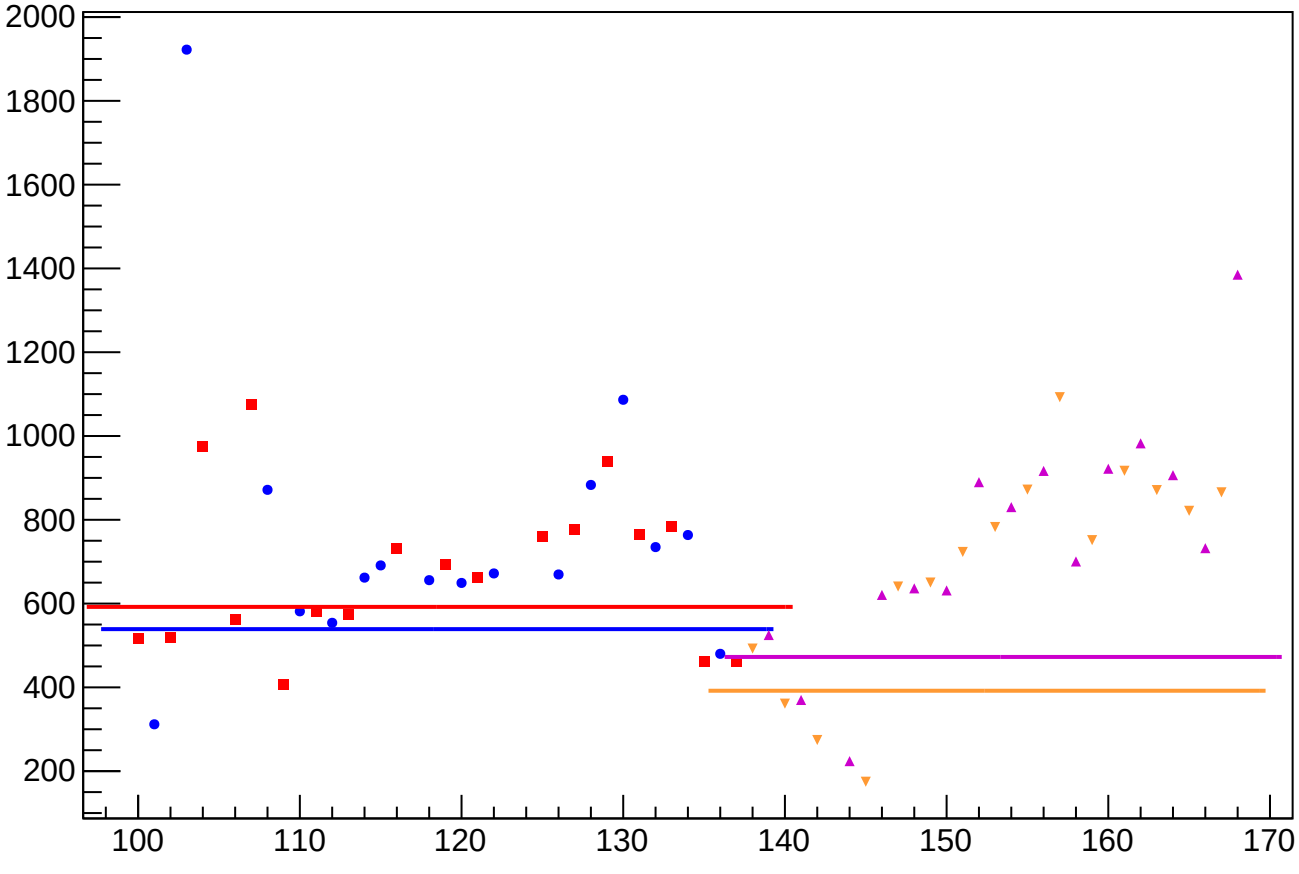
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 200.579+/-126.523 χ^2/NDF:24.8/30

Out: 2.418+/-119.792 χ^2/NDF:32.4/32

All: 96.088+/-86.988 χ^2/NDF: 58.5/63

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: 391.955+/-0.098 χ^2/NDF:7021061.8/14

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 472.620+/-0.109 χ^2/NDF:5793398.9/14

Left: 427.888+/-0.073 χ^2/NDF: 13116313.8/29

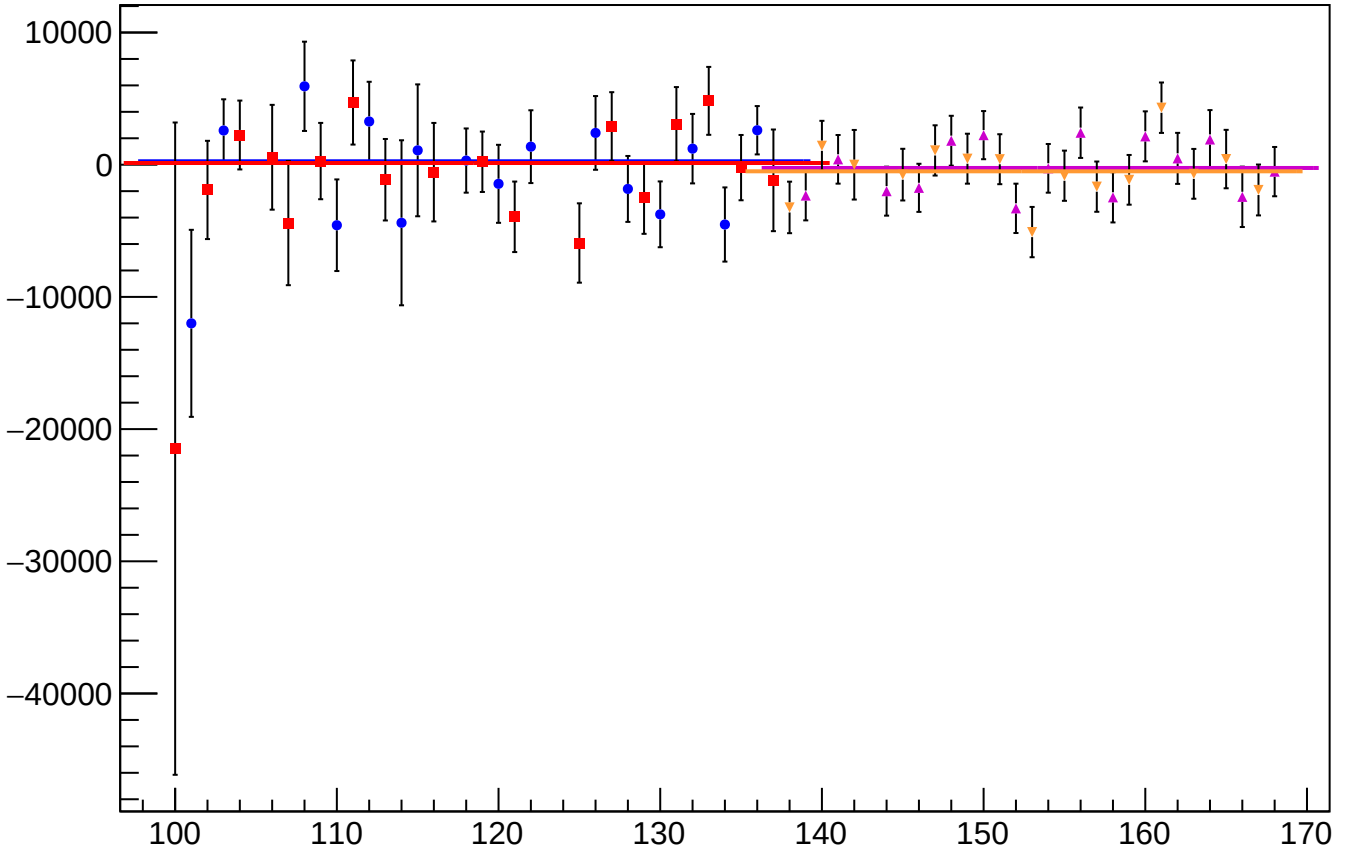
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 494.560+/-0.089 χ^2/NDF:7769834.9/30

Out: 442.552+/-0.085 χ^2/NDF:8918721.6/32

All: 467.136+/-0.062 χ^2/NDF: 16866756.8/63

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -498.372+/-504.304 χ^2/NDF:17.7/14

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -246.530+/-492.697 χ^2/NDF:15.6/14

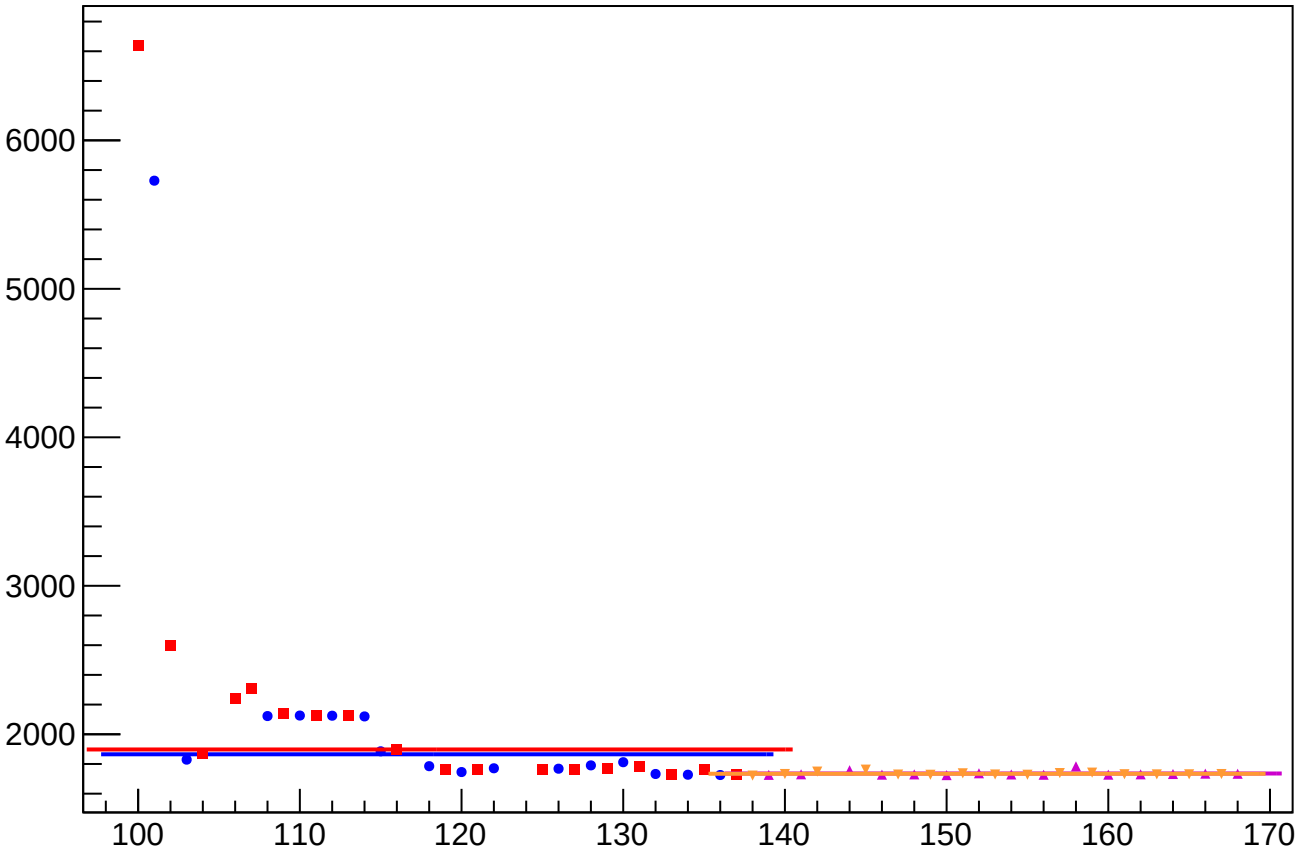
Left: -369.520+/-352.421 χ^2/NDF: 33.4/29

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -81.898+/-404.726 χ^2/NDF:35.4/30

Out: -289.106+/-411.864 χ^2/NDF:36.2/32

All: -183.691+/-288.675 χ^2/NDF: 71.7/63



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.053+/-0.357 χ^2/NDF:697.4/14

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.822+/-0.348 χ^2/NDF:1887.5/14

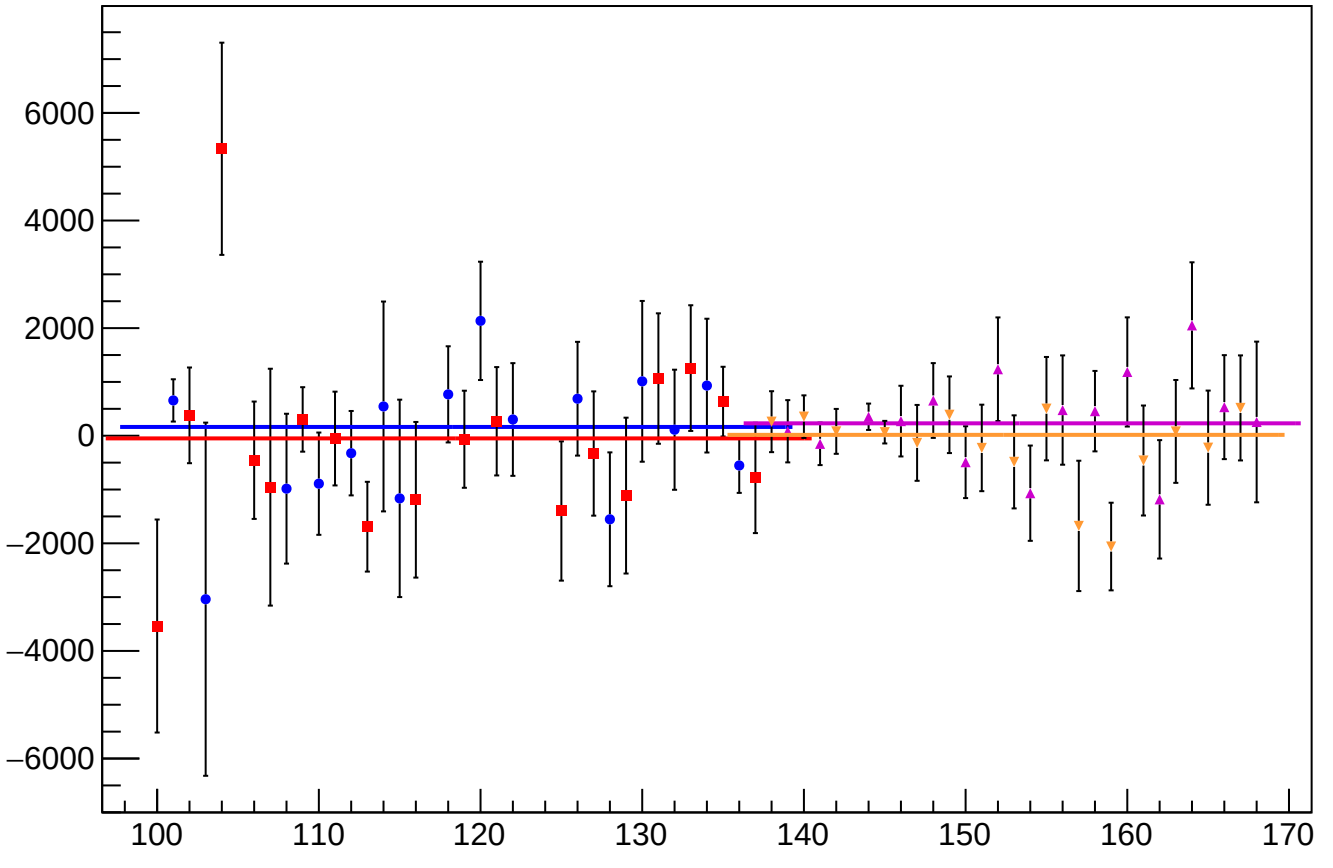
Left: 1734.958+/-0.249 χ^2/NDF: 2597.5/29

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1777.888+/-0.286 χ^2/NDF:719442.0/30

Out: 1788.548+/-0.291 χ^2/NDF:328563.4/32

All: 1783.125+/-0.204 χ^2/NDF: 1048687.0/63



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 16.154+/-138.585 χ^2/NDF:11.0/14

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.571+/-154.624 χ^2/NDF:11.2/14

Left: 111.669+/-103.201 χ^2/NDF: 23.3/29

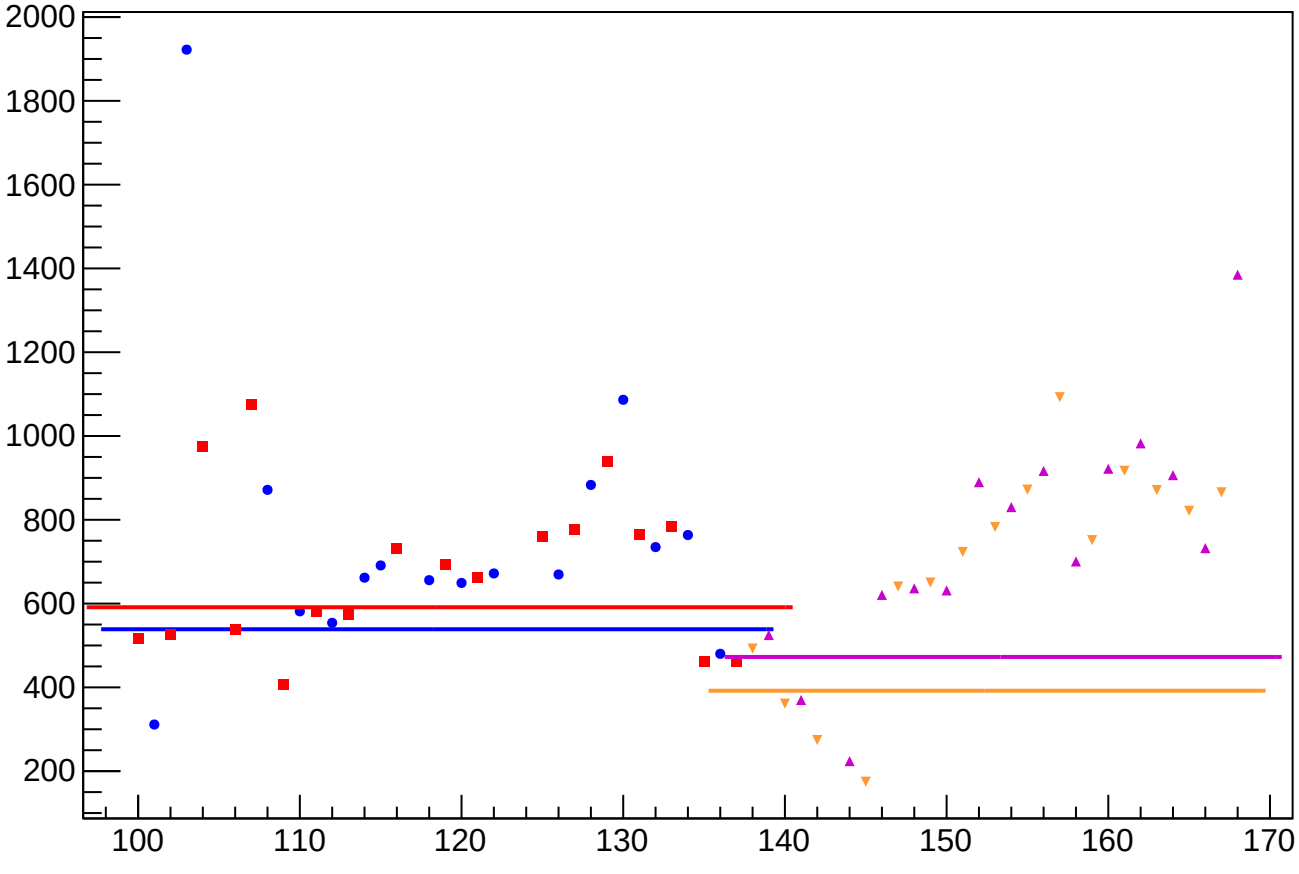
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 208.282+/-126.509 χ^2/NDF:25.2/30

Out: -0.479+/-119.786 χ^2/NDF:32.5/32

All: 98.207+/-86.981 χ^2/NDF: 59.1/63

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: 391.964+/-0.098 χ^2/NDF:7020821.2/14

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 472.629+/-0.109 χ^2/NDF:5793041.1/14

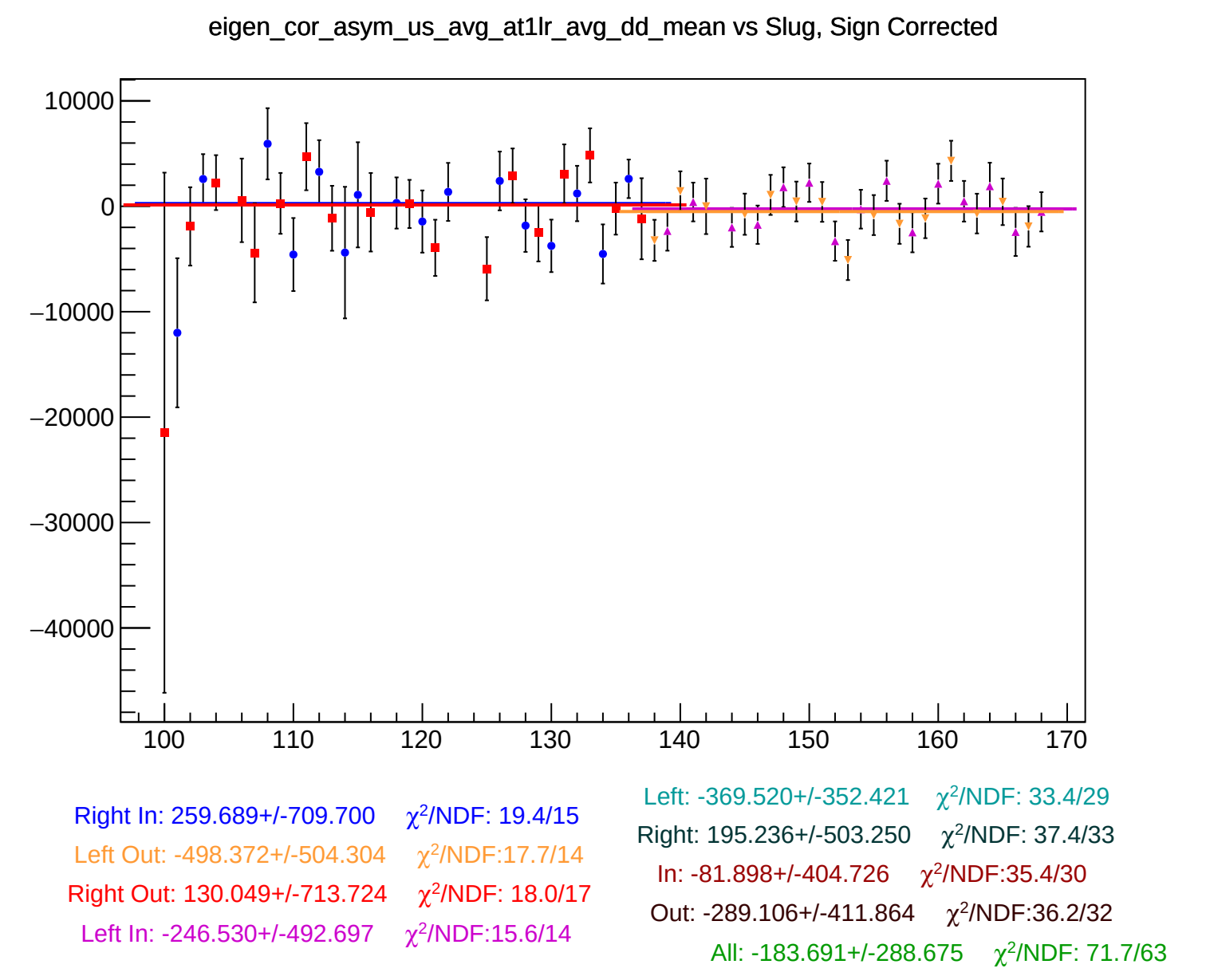
Left: 427.897+/-0.073 χ^2/NDF: 13115702.5/29

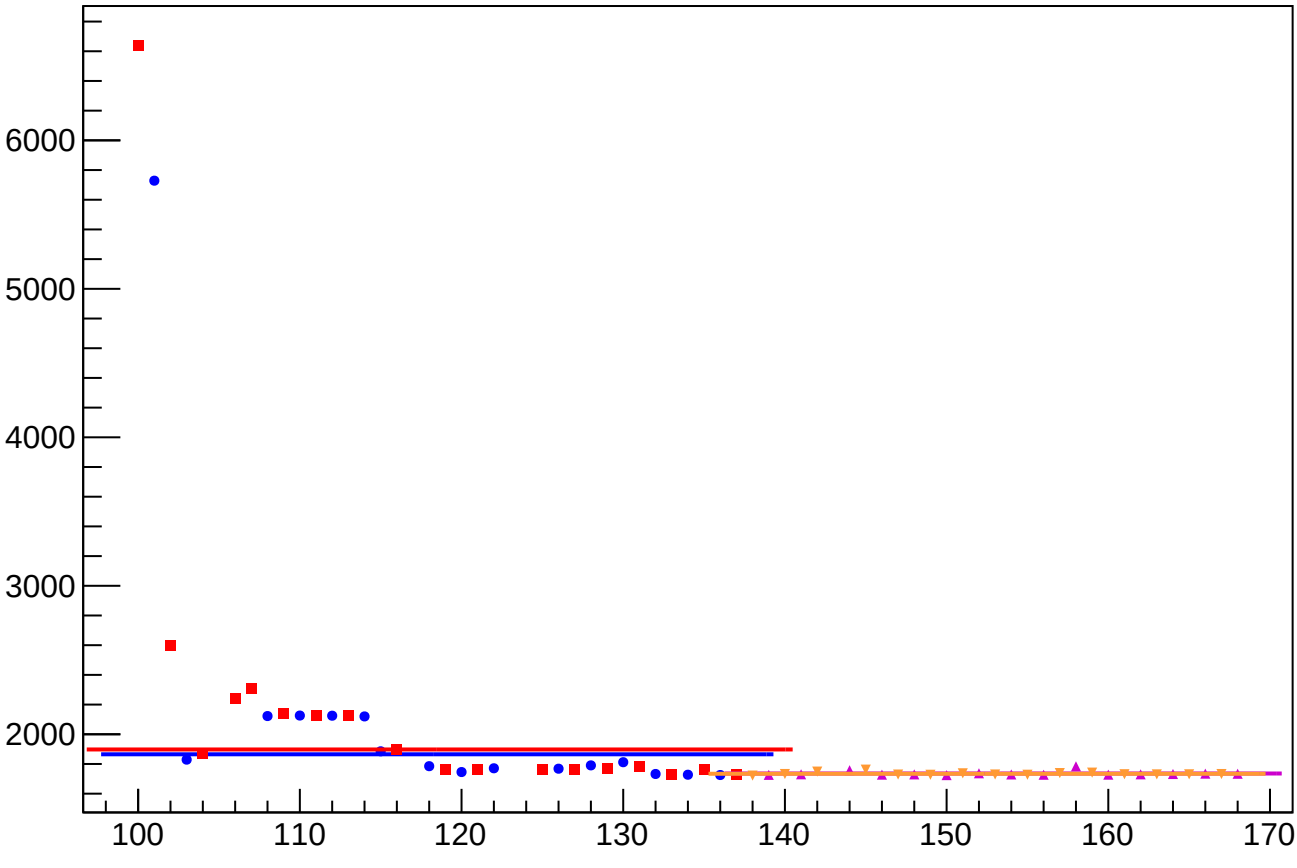
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

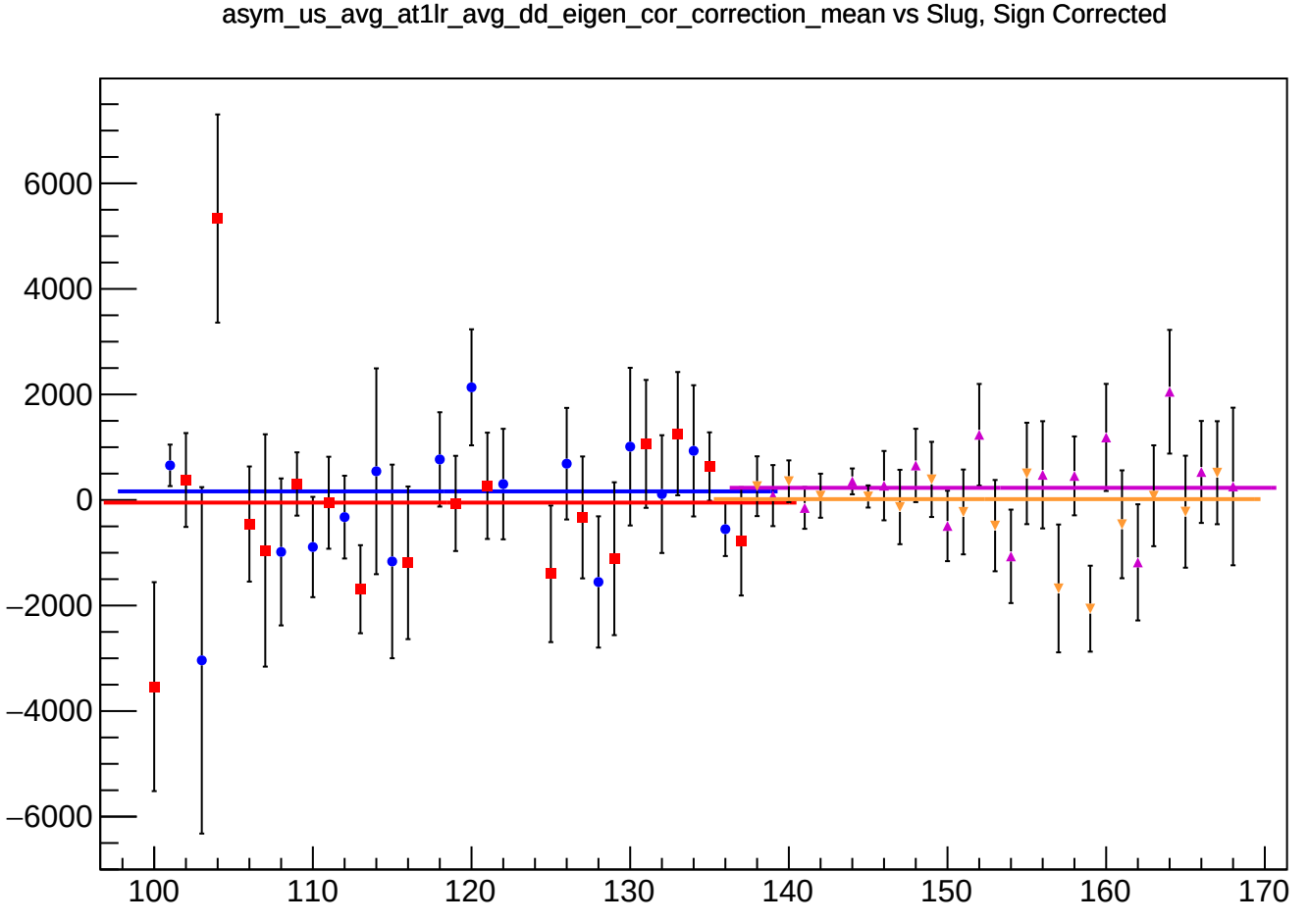
In: 494.473+/-0.089 χ^2/NDF:7772672.3/30

Out: 442.360+/-0.085 χ^2/NDF:8911170.1/32

All: 466.995+/-0.062 χ^2/NDF: 16862785.3/63


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -498.372+/-504.304 χ²/NDF:17.7/14
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -246.530+/-492.697 χ²/NDF:15.6/14
Left: -369.520+/-352.421 χ²/NDF: 33.4/29
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -81.898+/-404.726 χ²/NDF:35.4/30
Out: -289.106+/-411.864 χ²/NDF:36.2/32
All: -183.691+/-288.675 χ²/NDF: 71.7/63


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.053+/-0.357 χ²/NDF:697.4/14
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.822+/-0.348 χ²/NDF:1887.5/14
Left: 1734.958+/-0.249 χ²/NDF: 2597.5/29
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1777.888+/-0.286 χ²/NDF:719442.0/30
Out: 1788.548+/-0.291 χ²/NDF:328563.4/32
All: 1783.125+/-0.204 χ²/NDF: 1048687.0/63



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 16.154+/-138.585 χ^2/NDF:11.0/14

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 230.571+/-154.624 χ^2/NDF:11.2/14

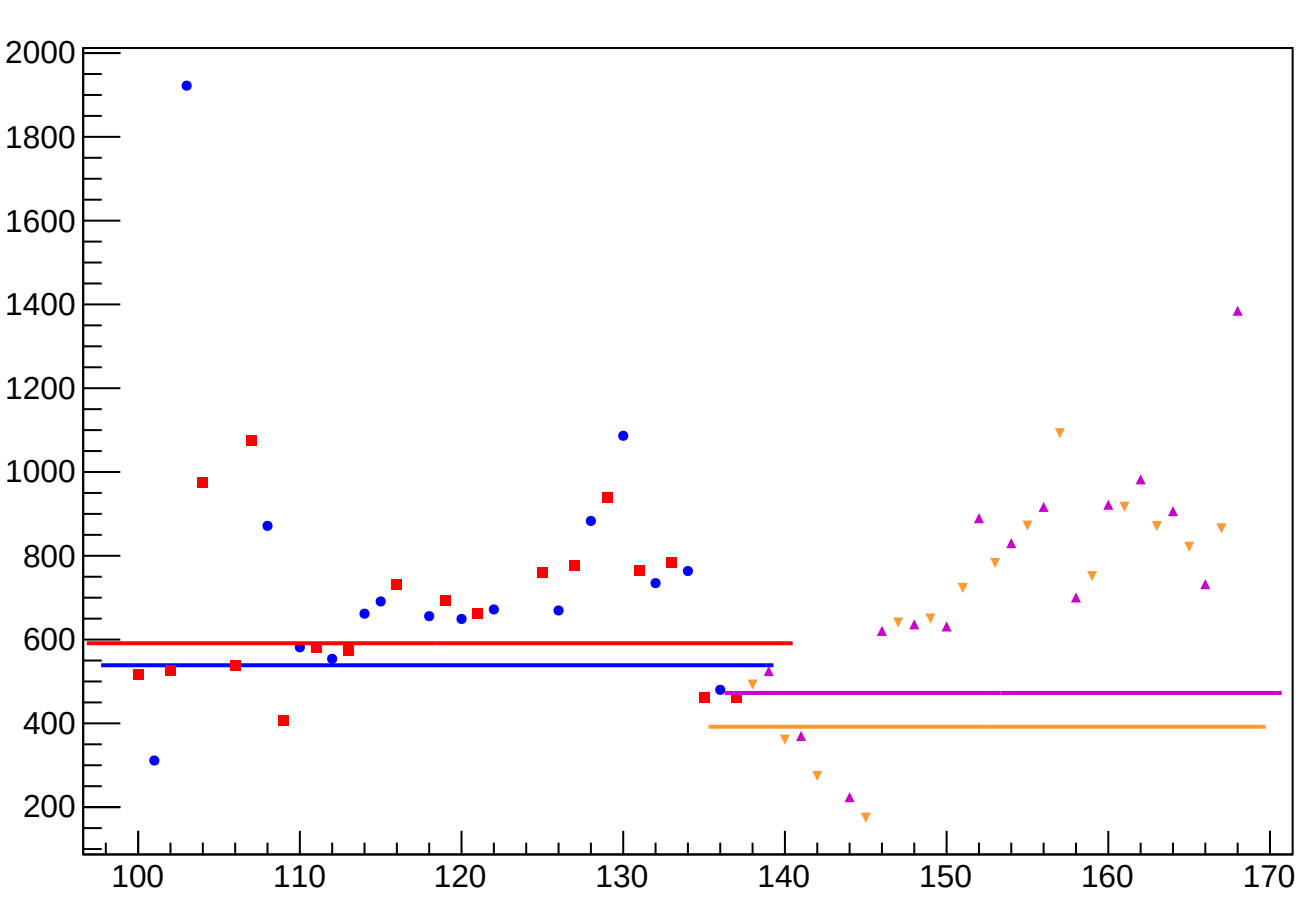
Left: 111.669+/-103.201 χ^2/NDF: 23.3/29

Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 208.282+/-126.509 χ^2/NDF:25.2/30

Out: -0.479+/-119.786 χ^2/NDF:32.5/32

All: 98.207+/-86.981 χ^2/NDF: 59.1/63



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 391.964+/-0.098 χ^2/NDF:7020821.2/14

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 472.629+/-0.109 χ^2/NDF:5793041.1/14

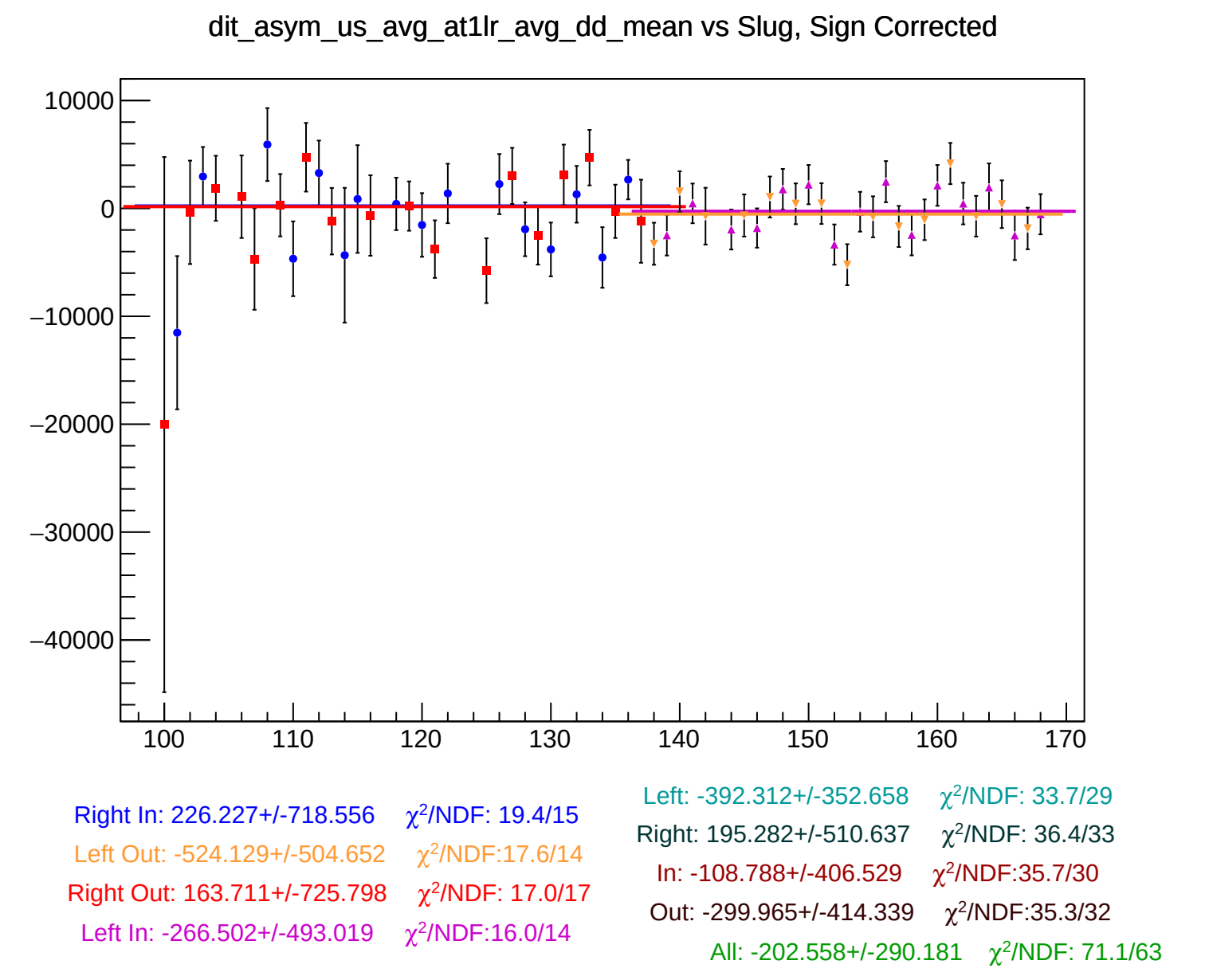
Left: 427.897+/-0.073 χ^2/NDF: 13115702.5/29

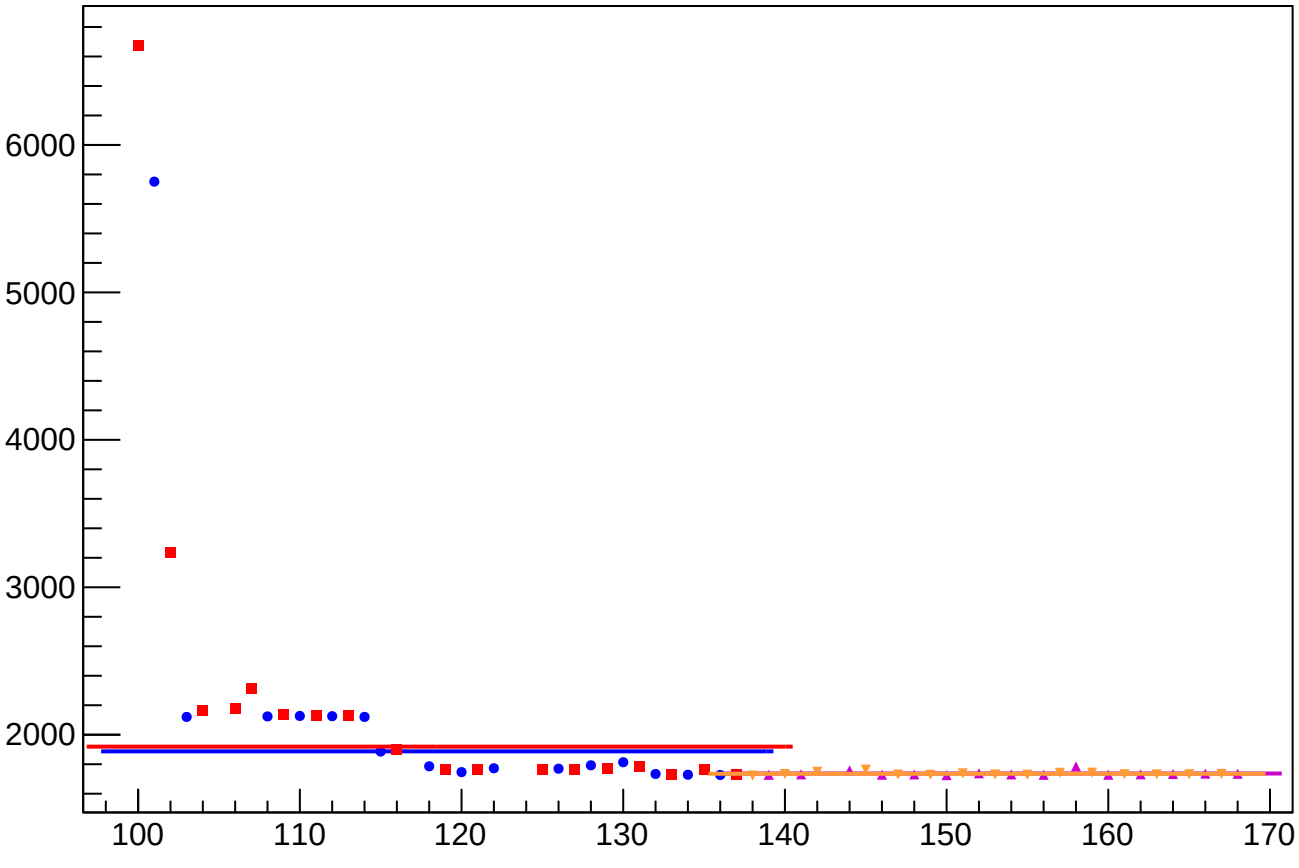
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 494.473+/-0.089 χ^2/NDF:7772672.3/30

Out: 442.360+/-0.085 χ^2/NDF:8911170.1/32

All: 466.995+/-0.062 χ^2/NDF: 16862785.3/63


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
170
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -524.129+/-504.652 χ²/NDF:17.6/14
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -266.502+/-493.019 χ²/NDF:16.0/14
Left: -392.312+/-352.658 χ²/NDF: 33.7/29
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -108.788+/-406.529 χ²/NDF:35.7/30
Out: -299.965+/-414.339 χ²/NDF:35.3/32
All: -202.558+/-290.181 χ²/NDF: 71.1/63



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.248+/-0.357 χ^2/NDF:701.8/14

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.955+/-0.349 χ^2/NDF:1885.8/14

Left: 1736.121+/-0.249 χ^2/NDF: 2599.3/29

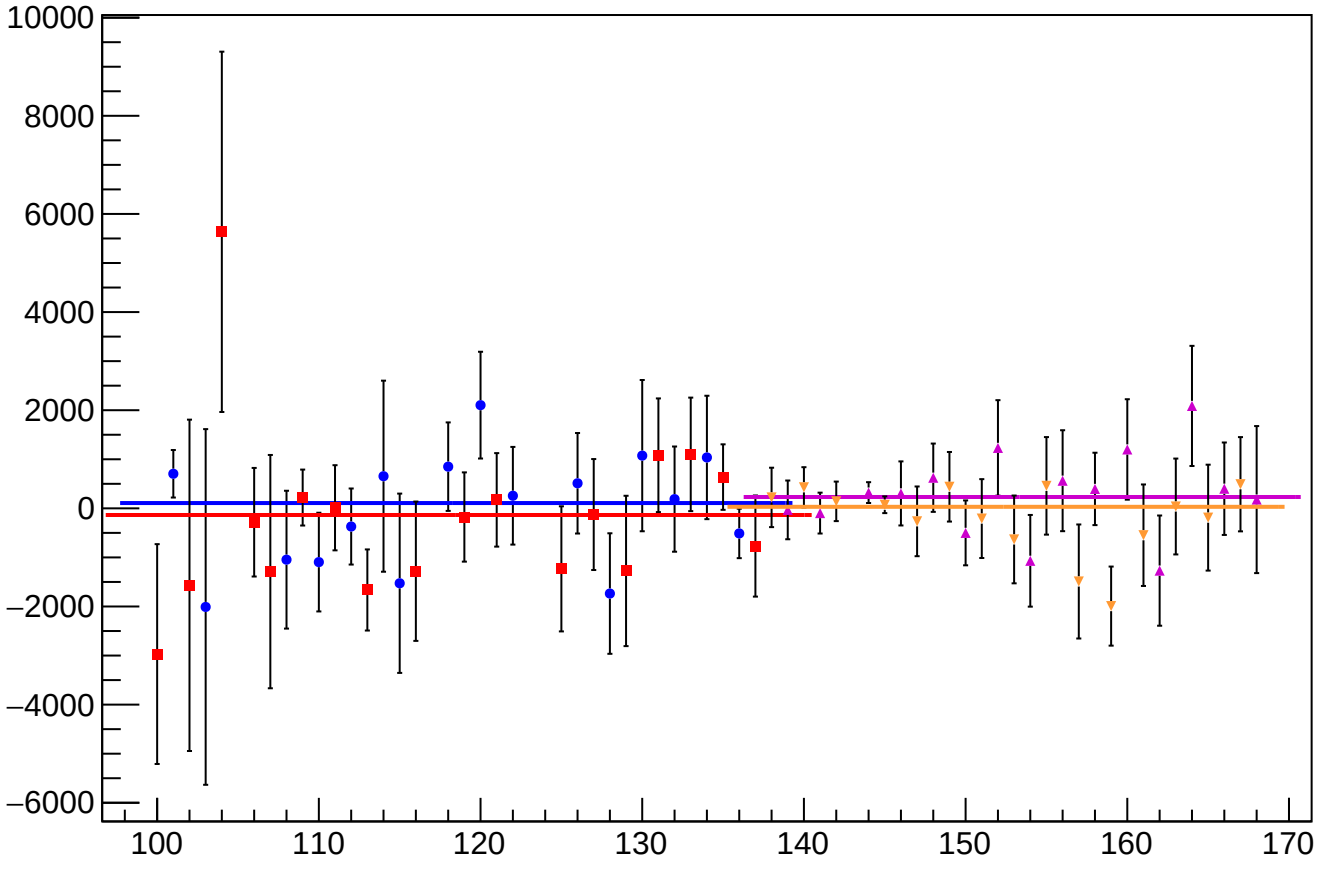
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1785.081+/-0.287 χ^2/NDF:750867.4/30

Out: 1795.186+/-0.293 χ^2/NDF:439838.8/32

All: 1790.037+/-0.205 χ^2/NDF: 1191312.2/63

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: 31.317+/-125.691 χ^2/NDF:11.1/14

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 231.319+/-146.770 χ^2/NDF:10.7/14

Left: 115.936+/-95.468 χ^2/NDF: 22.9/29

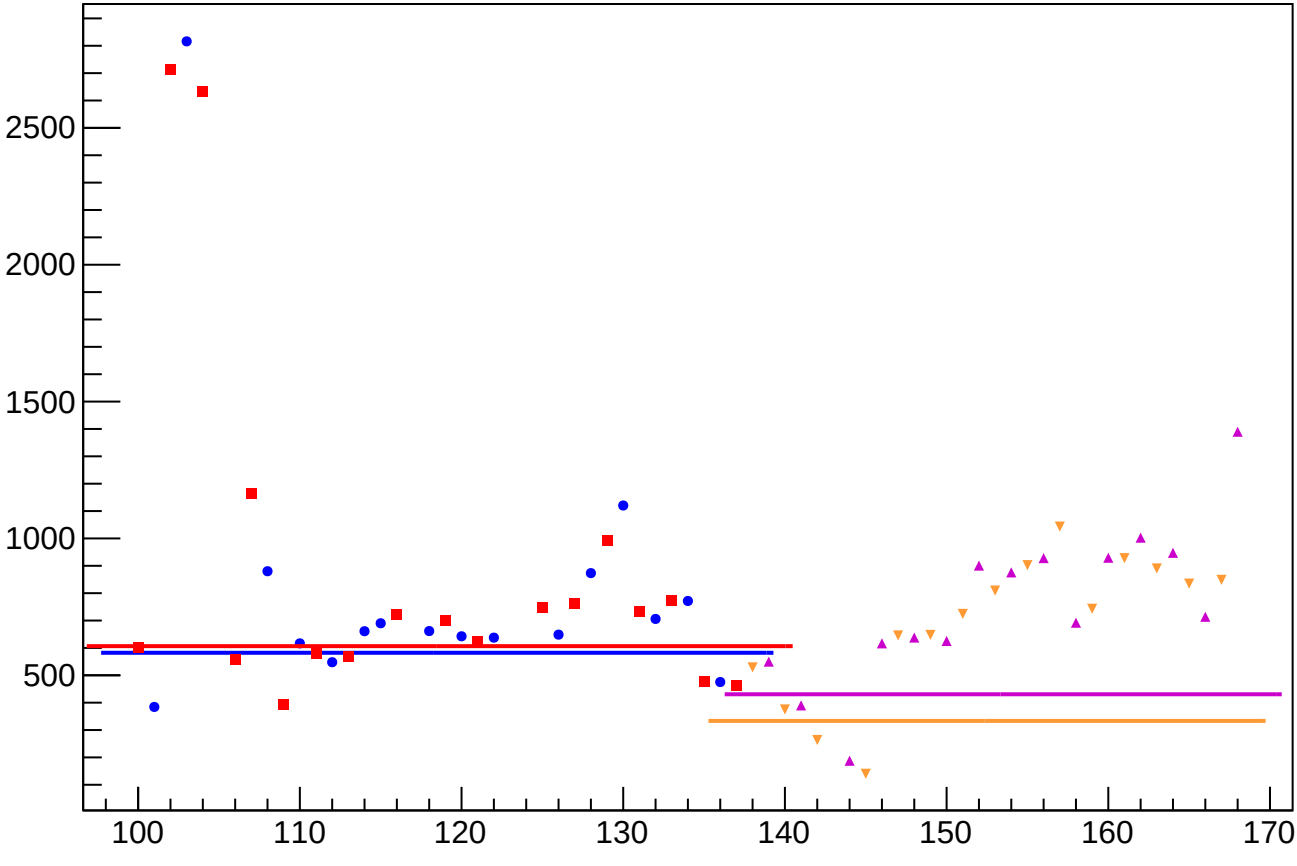
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 196.046+/-123.990 χ^2/NDF:25.1/30

Out: -3.202+/-111.921 χ^2/NDF:25.8/32

All: 86.256+/-83.080 χ^2/NDF: 52.3/63

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: 333.344+/-0.089 χ^2/NDF:8918901.1/14

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 430.642+/-0.104 χ^2/NDF:7221155.0/14

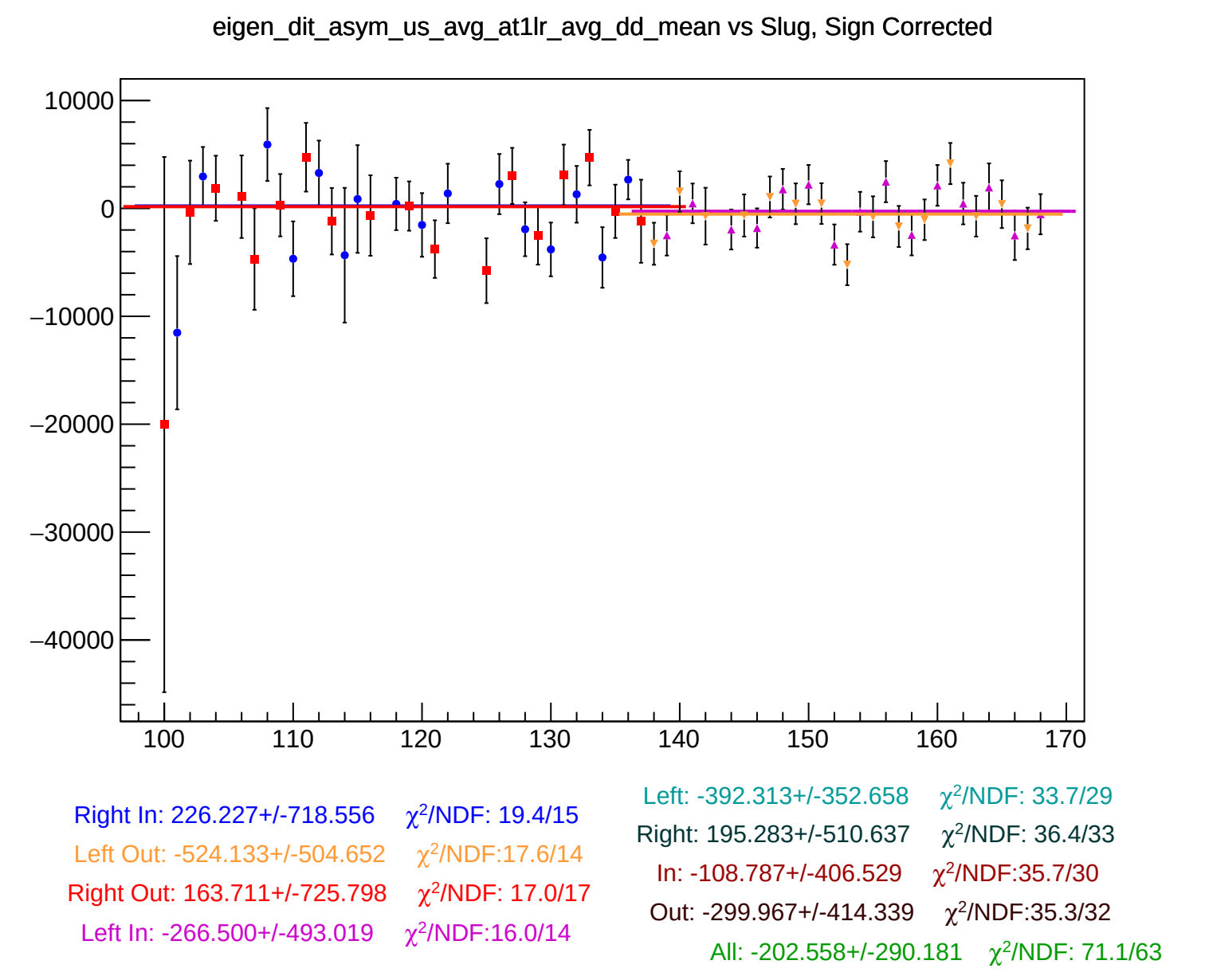
Left: 374.510+/-0.068 χ^2/NDF: 16647118.4/29

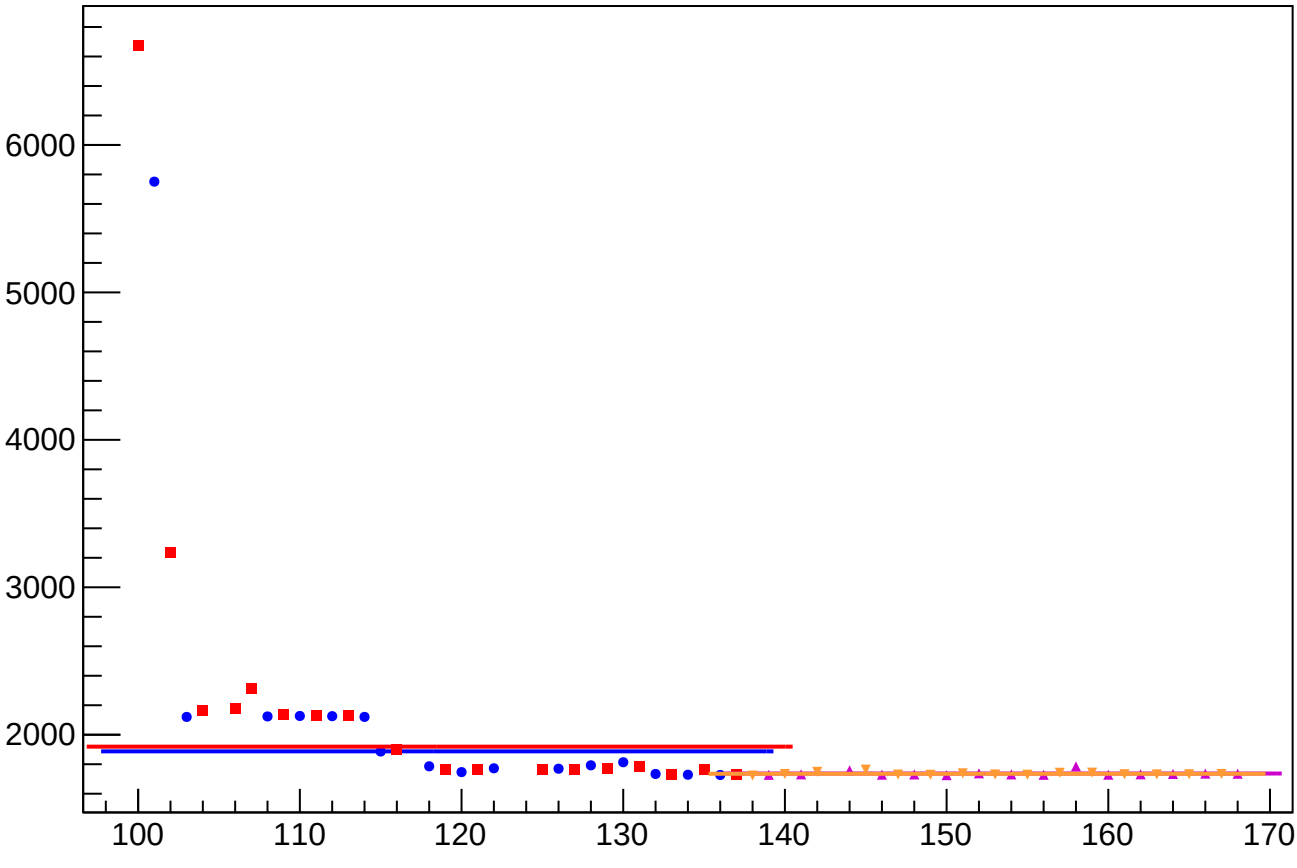
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 474.059+/-0.088 χ^2/NDF:9586667.9/30

Out: 389.906+/-0.079 χ^2/NDF:13072878.3/32

All: 427.688+/-0.059 χ^2/NDF: 23167198.0/63


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
170
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -524.133+/-504.652 χ²/NDF:17.6/14
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -266.500+/-493.019 χ²/NDF:16.0/14
Left: -392.313+/-352.658 χ²/NDF: 33.7/29
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -108.787+/-406.529 χ²/NDF:35.7/30
Out: -299.967+/-414.339 χ²/NDF:35.3/32
All: -202.558+/-290.181 χ²/NDF: 71.1/63



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.248+/-0.357 χ^2/NDF:701.8/14

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.955+/-0.349 χ^2/NDF:1885.7/14

Left: 1736.121+/-0.249 χ^2/NDF: 2599.3/29

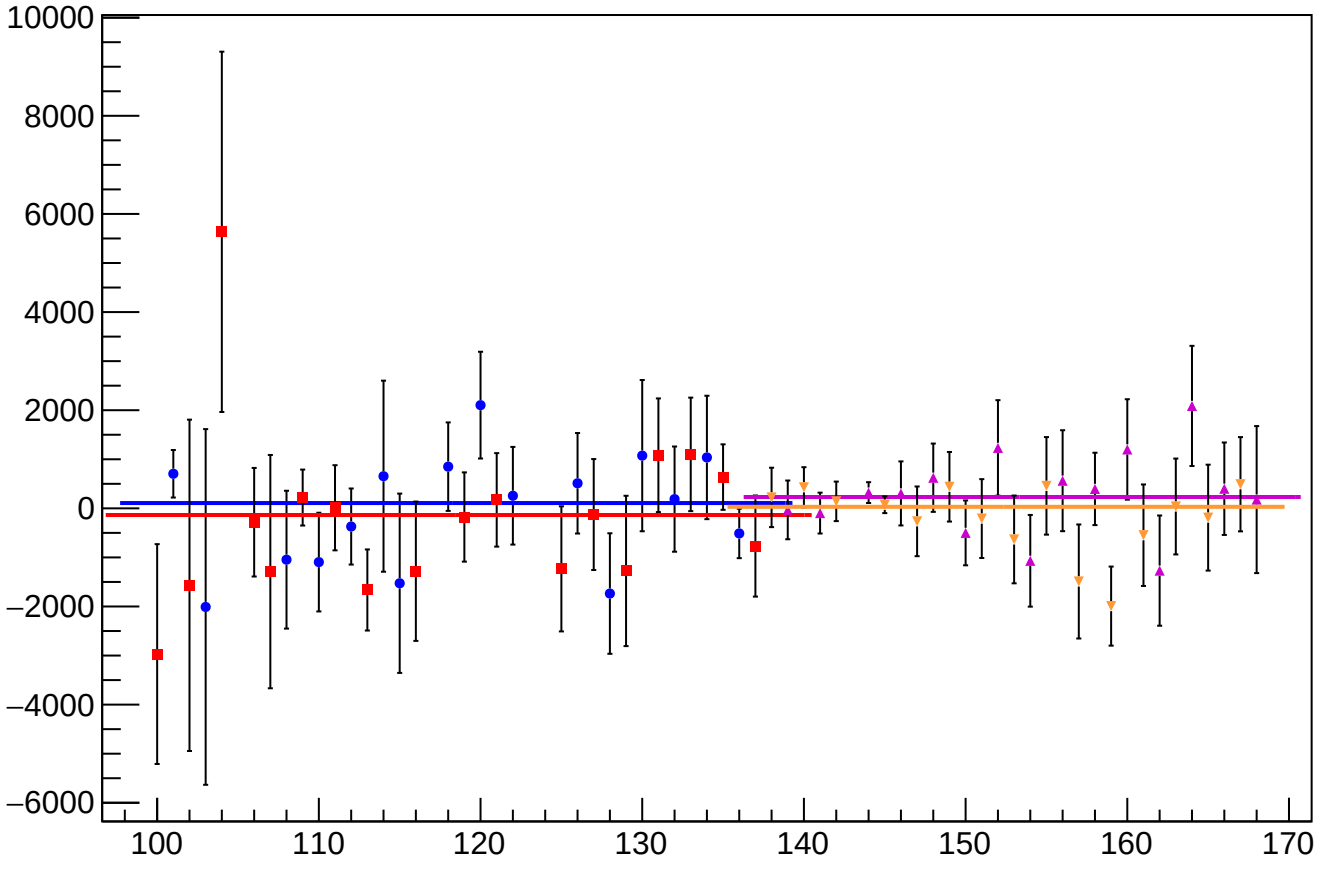
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1785.081+/-0.287 χ^2/NDF:750867.0/30

Out: 1795.186+/-0.293 χ^2/NDF:439837.9/32

All: 1790.037+/-0.205 χ^2/NDF: 1191310.9/63

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 31.315+/-125.691 χ^2/NDF:11.1/14

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 231.319+/-146.771 χ^2/NDF:10.7/14

Left: 115.936+/-95.468 χ^2/NDF: 22.9/29

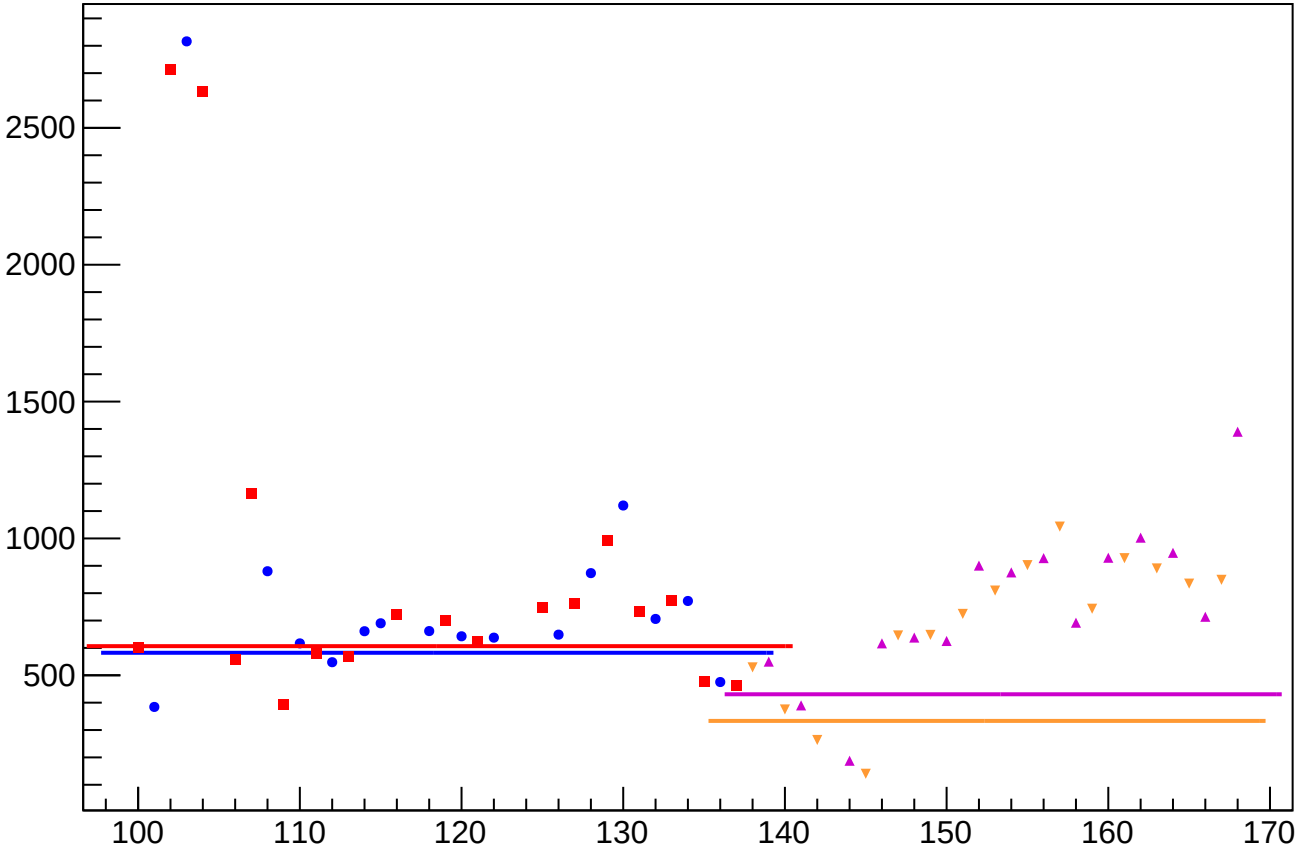
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 196.045+/-123.990 χ^2/NDF:25.1/30

Out: -3.203+/-111.921 χ^2/NDF:25.8/32

All: 86.254+/-83.080 χ^2/NDF: 52.3/63

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: 333.344+/-0.089 χ^2/NDF:8918933.1/14

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 430.642+/-0.104 χ^2/NDF:7221174.1/14

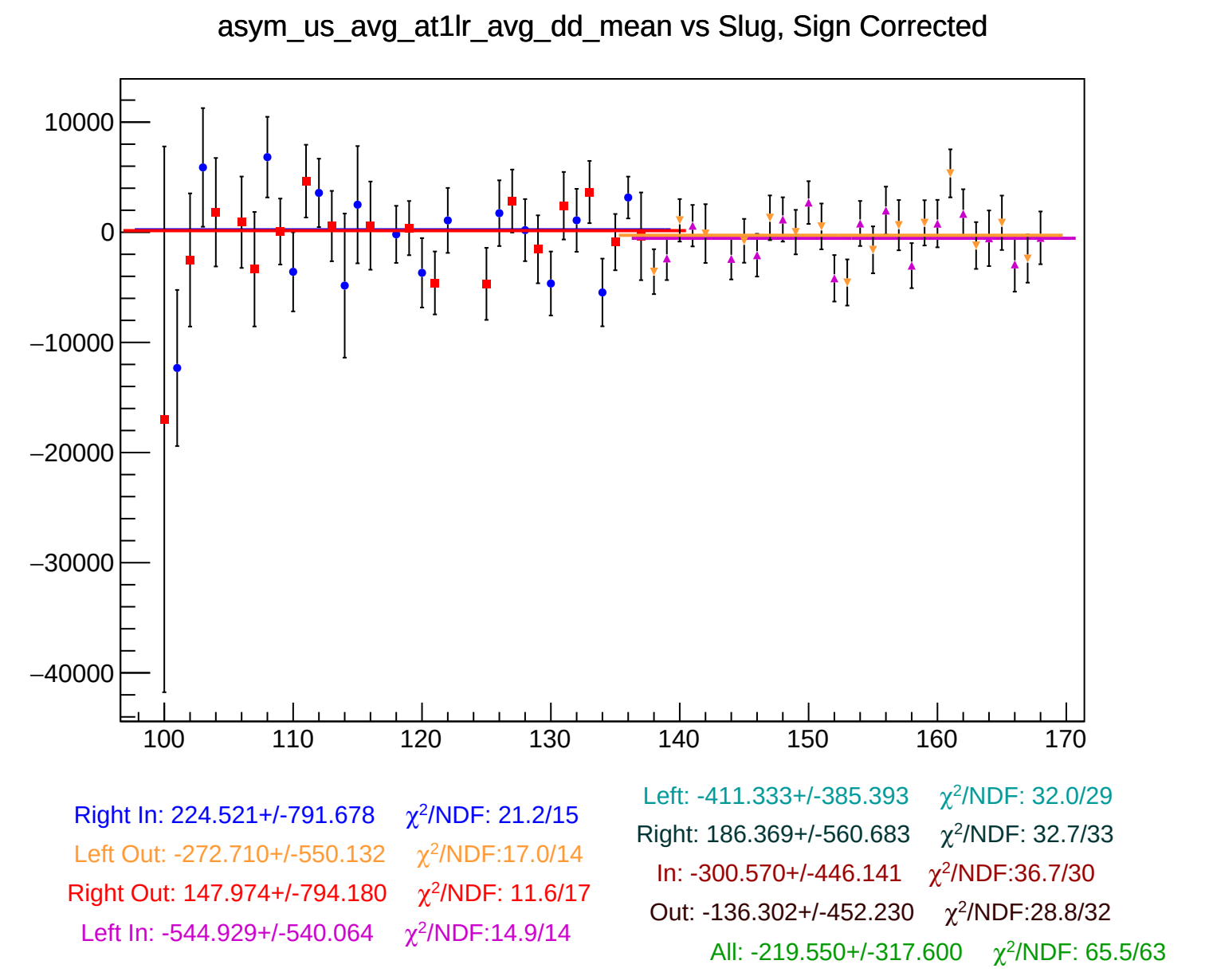
Left: 374.510+/-0.068 χ^2/NDF: 16647174.2/29

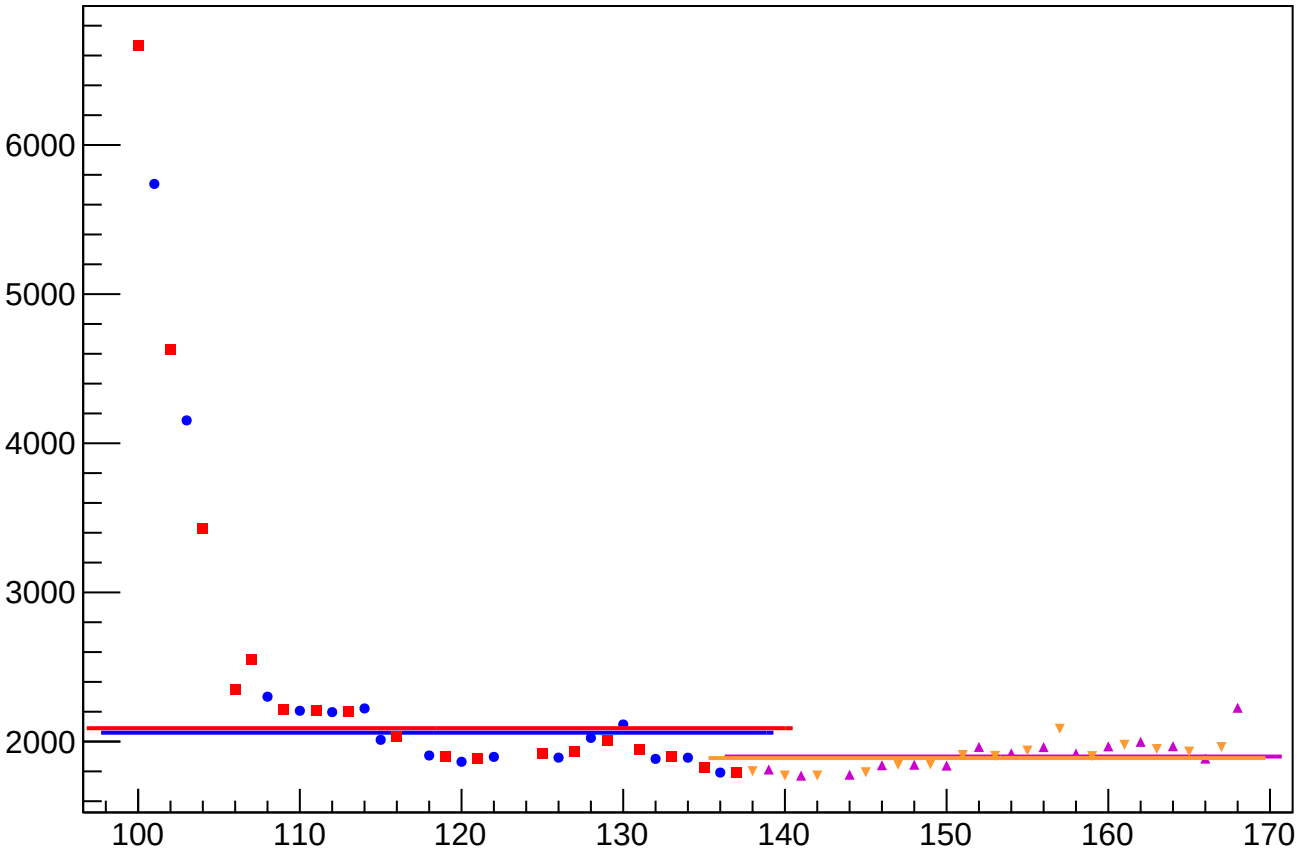
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 474.059+/-0.088 χ^2/NDF:9586658.8/30

Out: 389.906+/-0.079 χ^2/NDF:13072888.8/32

All: 427.688+/-0.059 χ^2/NDF: 23167204.9/63


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -272.710+/-550.132 χ²/NDF:17.0/14
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -544.929+/-540.064 χ²/NDF:14.9/14
Left: -411.333+/-385.393 χ²/NDF: 32.0/29
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -300.570+/-446.141 χ²/NDF:36.7/30
Out: -136.302+/-452.230 χ²/NDF:28.8/32
All: -219.550+/-317.600 χ²/NDF: 65.5/63



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1889.269+/-0.389 χ^2/NDF:45512.4/14

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1899.608+/-0.382 χ^2/NDF:75584.2/14

Left: 1894.534+/-0.273 χ^2/NDF: 121456.3/29

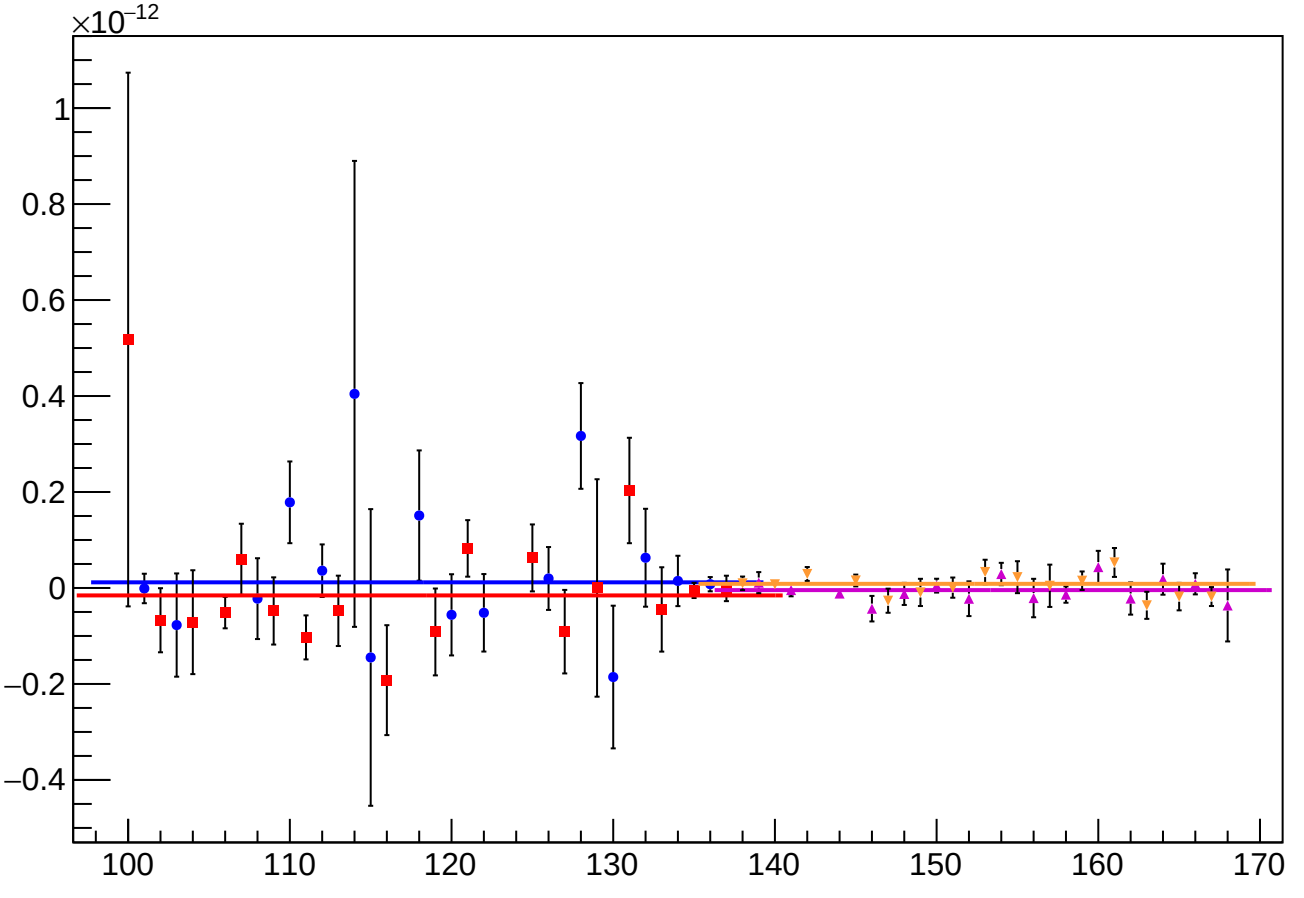
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1950.385+/-0.315 χ^2/NDF:1071127.2/30

Out: 1954.187+/-0.320 χ^2/NDF:812867.7/32

All: 1952.260+/-0.225 χ^2/NDF: 1884066.6/63

asym_us_avg_at1lr_avg_dd_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:13.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/14

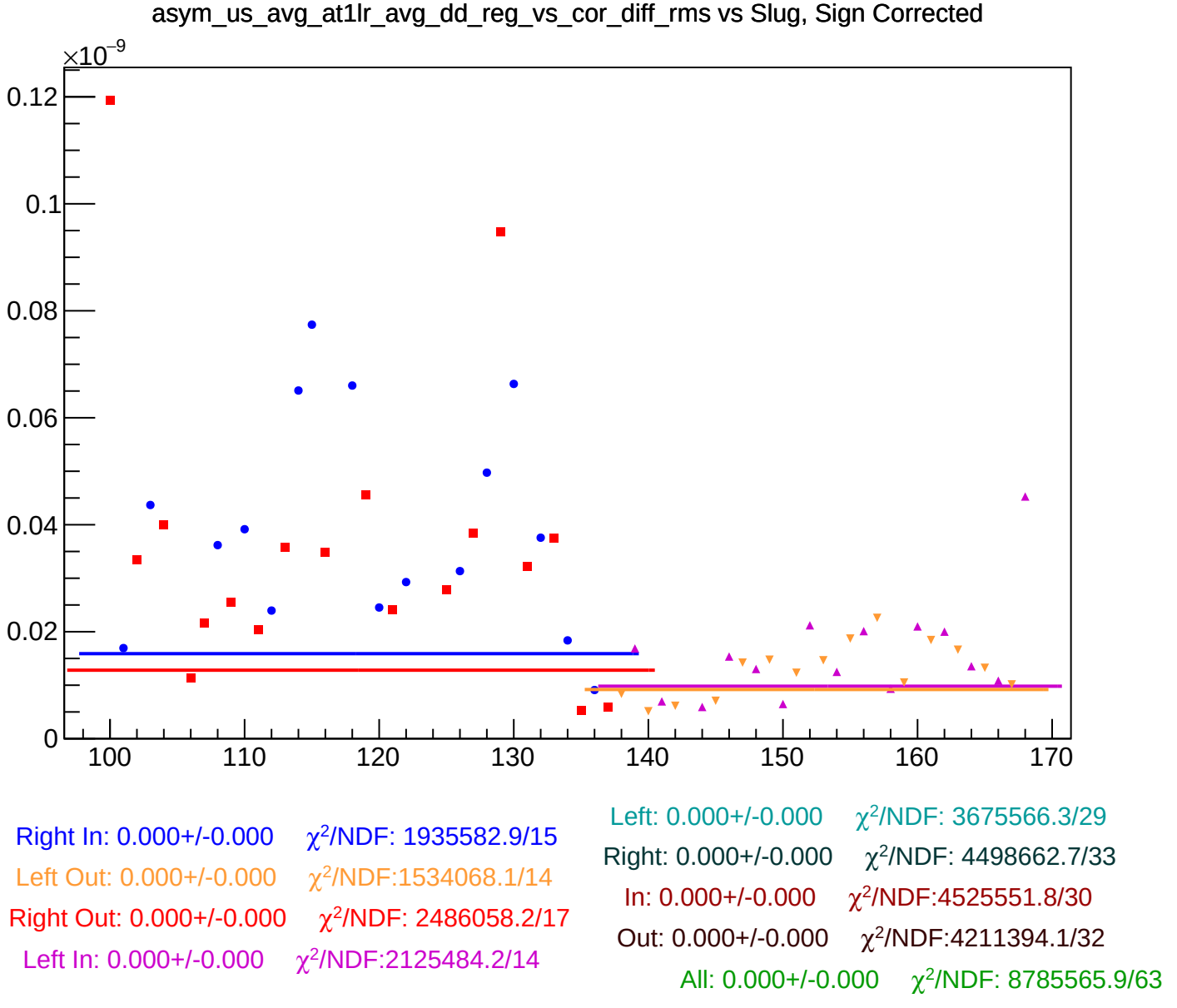
Left: 0.000+/-0.000 χ^2/NDF: 26.9/29

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

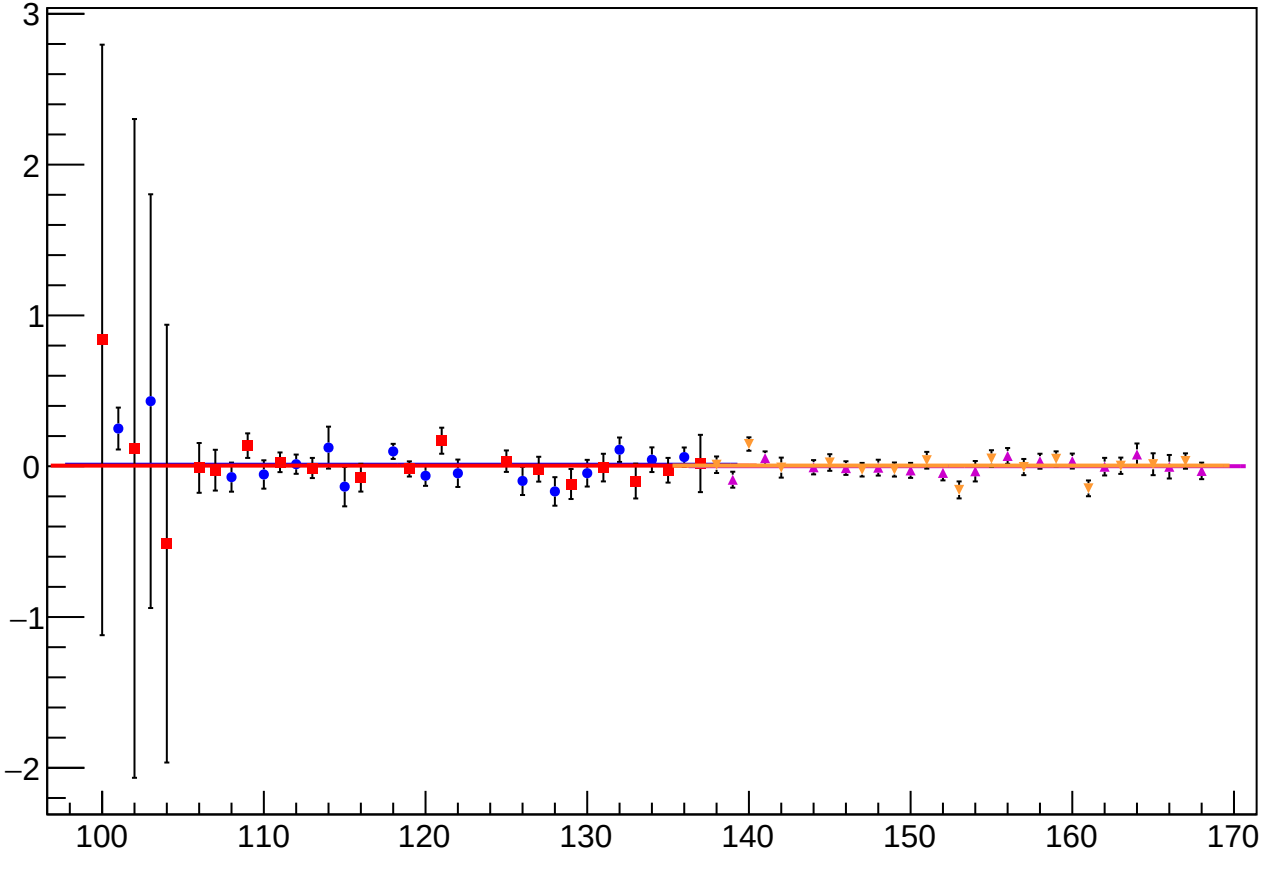
In: -0.000+/-0.000 χ^2/NDF:29.5/30

Out: 0.000+/-0.000 χ^2/NDF:38.4/32

All: 0.000+/-0.000 χ^2/NDF: 69.0/63


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
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1534068.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:2125484.2/14
Left: 0.000+/-0.000 χ²/NDF: 3675566.3/29
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:4525551.8/30
Out: 0.000+/-0.000 χ²/NDF:4211394.1/32
All: 0.000+/-0.000 χ²/NDF: 8785565.9/63

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: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.014 χ^2/NDF:9.8/14

Left: 0.002+/-0.010 χ^2/NDF: 39.9/29

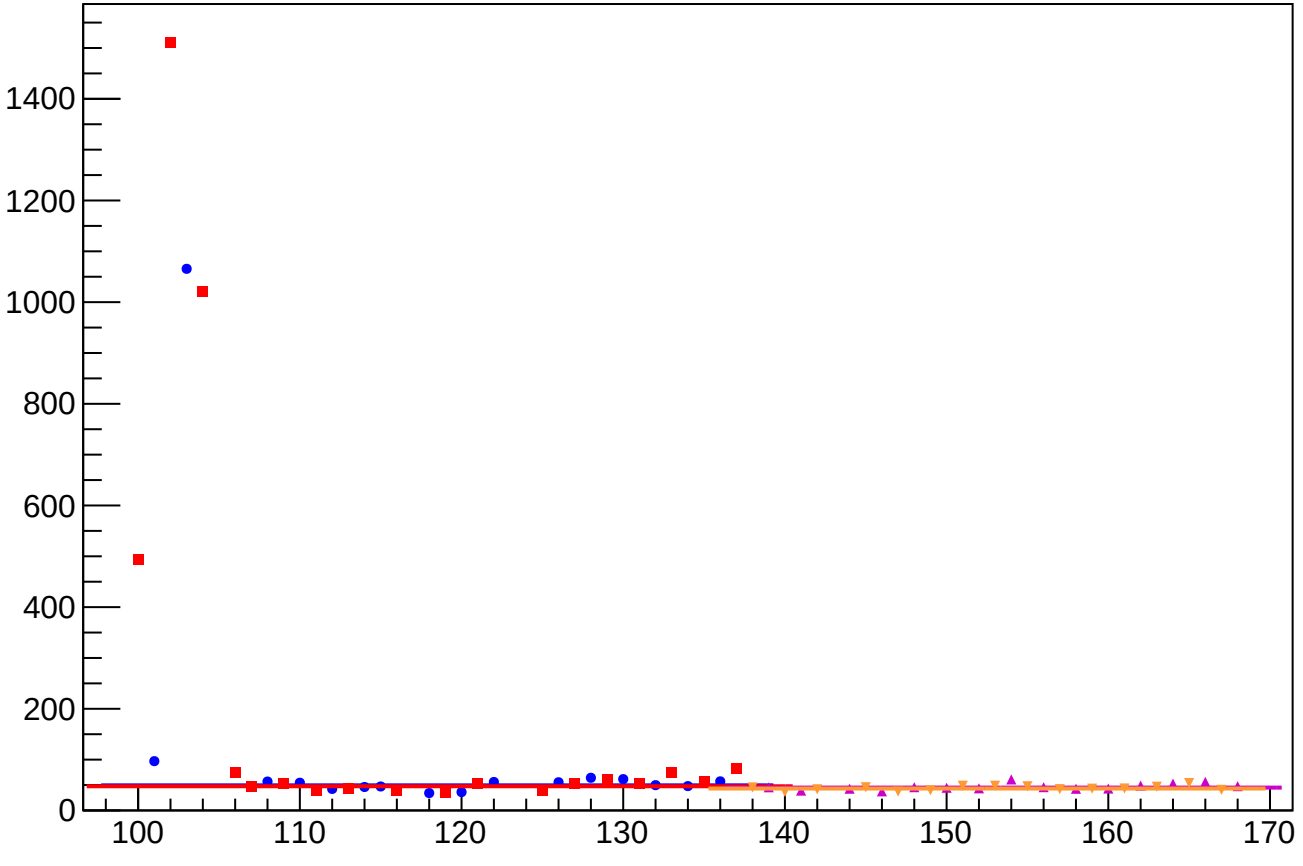
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.011 χ^2/NDF:28.4/30

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.9/63

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: 43.121+/-0.010 χ^2/NDF:212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.961+/-0.010 χ^2/NDF:294711.2/14

Left: 44.039+/-0.007 χ^2/NDF: 524874.0/29

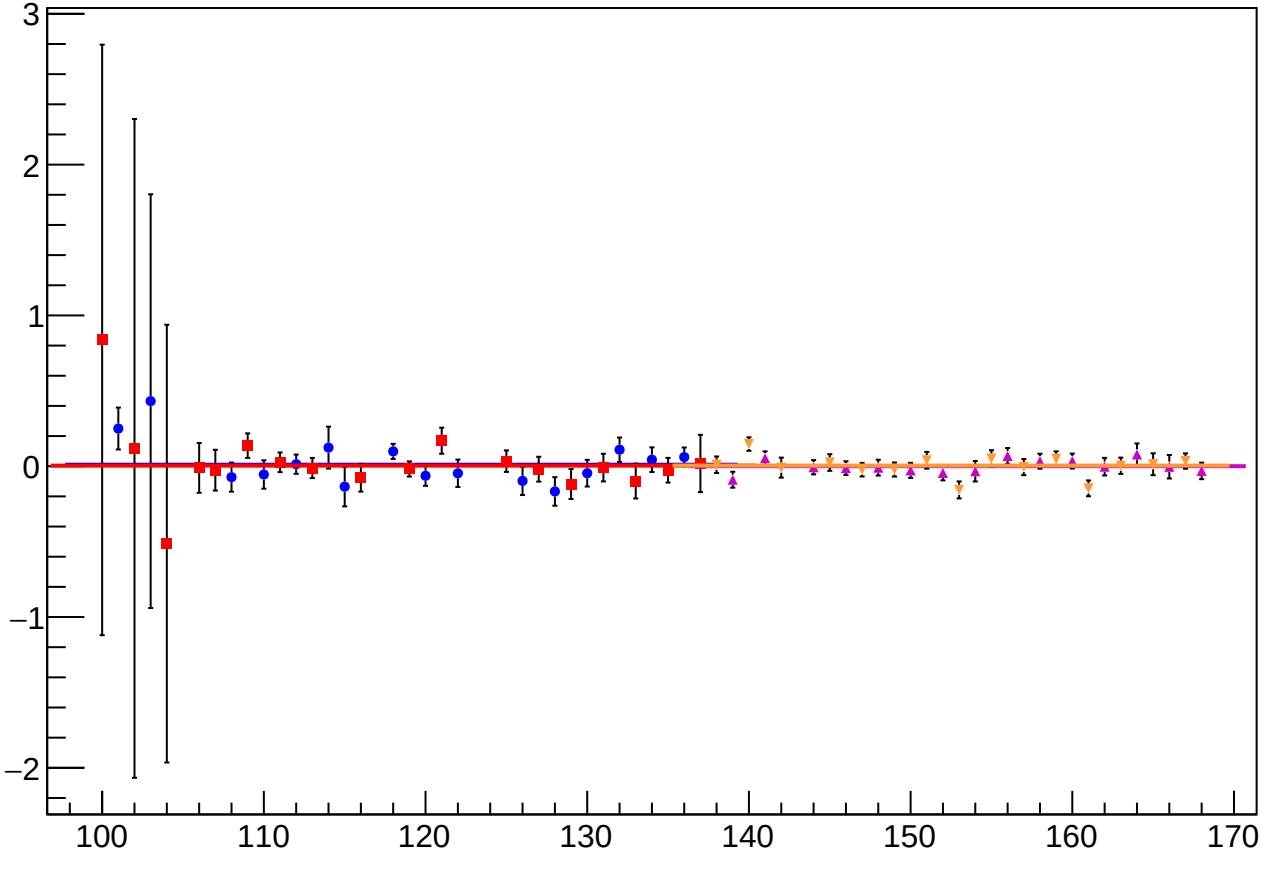
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.270+/-0.008 χ^2/NDF:2132698.6/30

Out: 44.412+/-0.008 χ^2/NDF:2692136.8/32

All: 45.346+/-0.006 χ^2/NDF: 4850927.4/63

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: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.014 χ^2/NDF:9.8/14

Left: 0.002+/-0.010 χ^2/NDF: 39.9/29

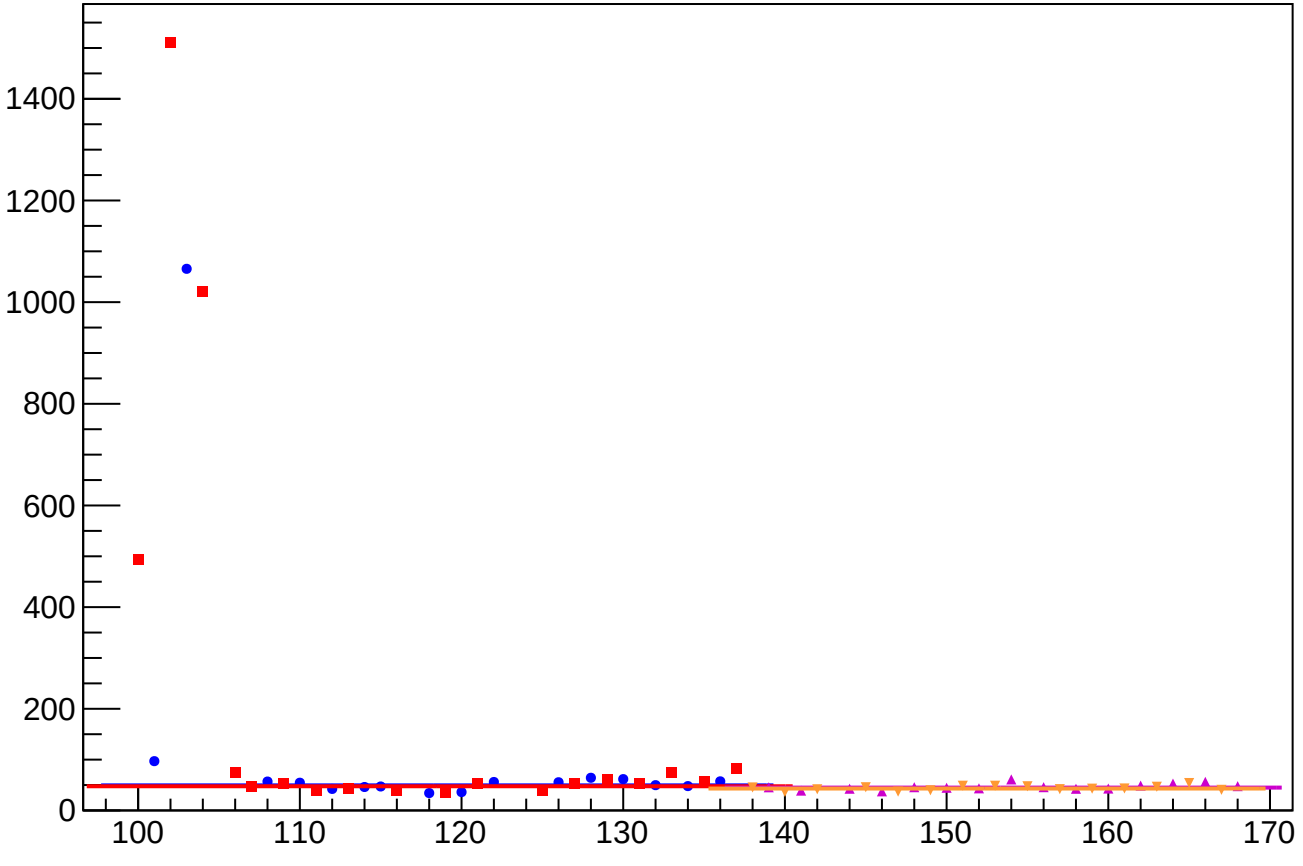
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.011 χ^2/NDF:28.4/30

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.9/63

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: 43.121+/-0.010 χ^2/NDF:212099.2/14

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.961+/-0.010 χ^2/NDF:294711.2/14

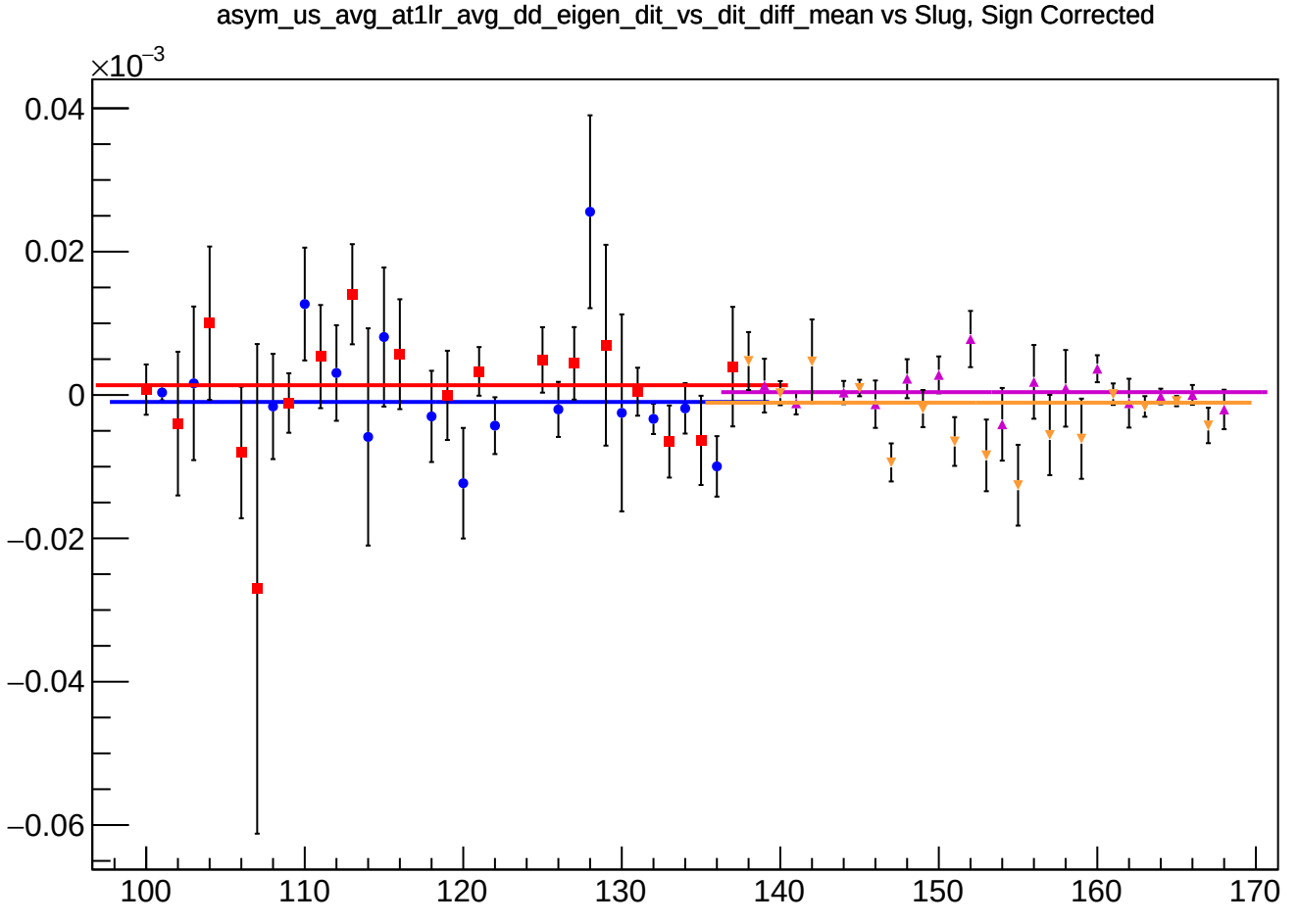
Left: 44.039+/-0.007 χ^2/NDF: 524874.0/29

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.270+/-0.008 χ^2/NDF:2132698.6/30

Out: 44.412+/-0.008 χ^2/NDF:2692136.8/32

All: 45.346+/-0.006 χ^2/NDF: 4850927.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.5/14

Left: -0.000+/-0.000 χ^2/NDF: 45.3/29

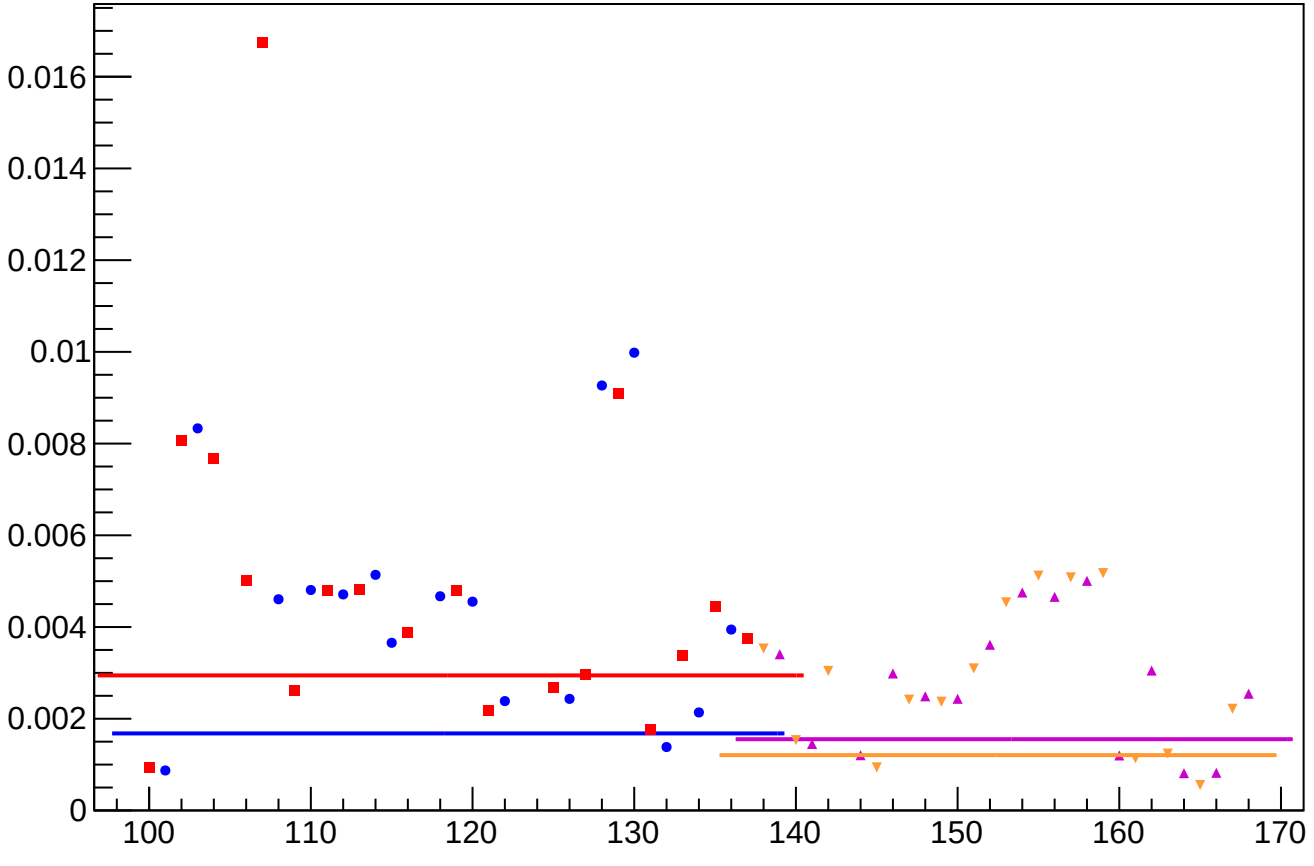
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:32.0/30

Out: -0.000+/-0.000 χ^2/NDF:45.4/32

All: -0.000+/-0.000 χ^2/NDF: 79.0/63

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:8290420.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:6542766.3/14

Left: 0.001+/-0.000 χ^2/NDF: 15302505.6/29

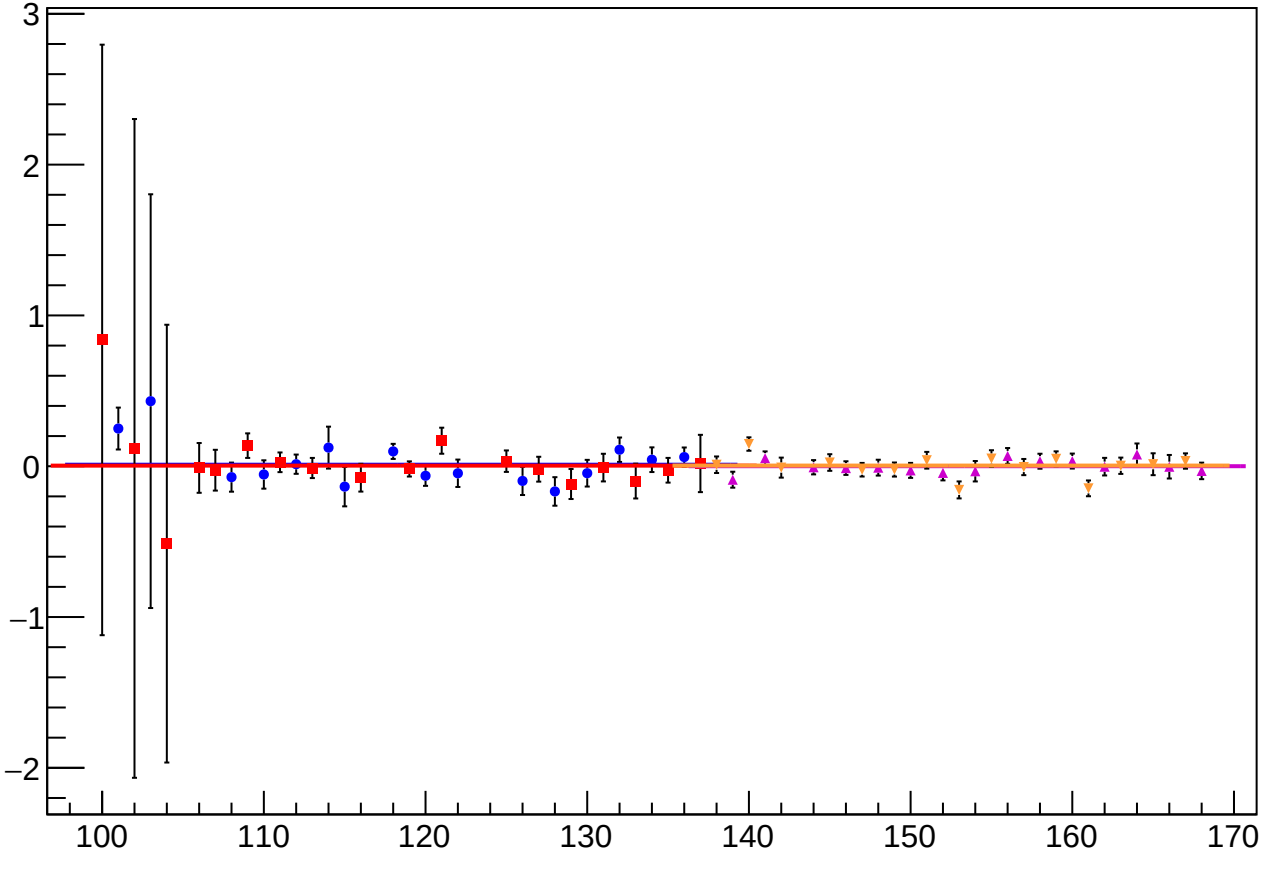
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12534780.0/30

Out: 0.001+/-0.000 χ^2/NDF:14897842.0/32

All: 0.001+/-0.000 χ^2/NDF: 27616474.6/63

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: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.014 χ^2/NDF:9.8/14

Left: 0.002+/-0.010 χ^2/NDF: 39.9/29

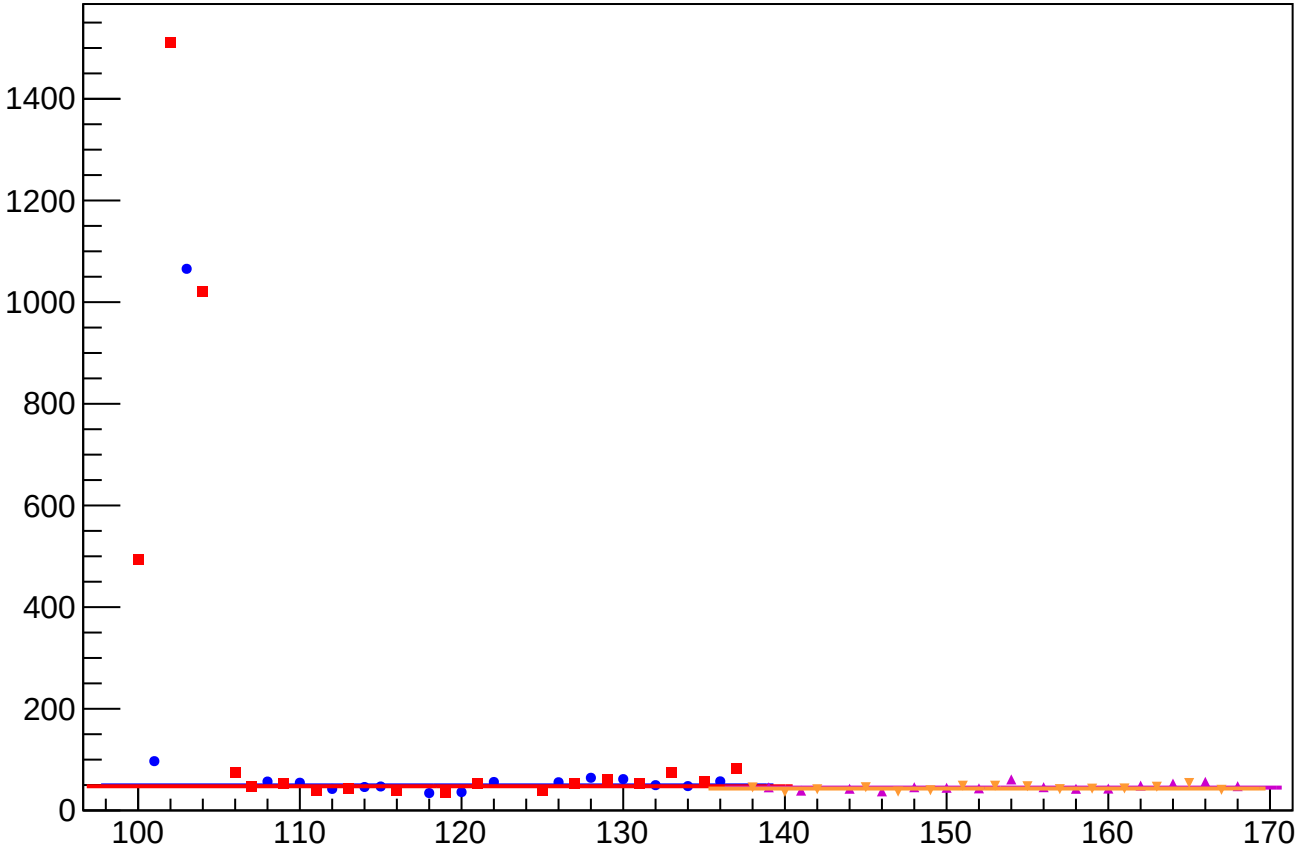
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.011 χ^2/NDF:28.4/30

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.9/63

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: 43.121+/-0.010 χ^2/NDF:212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.960+/-0.010 χ^2/NDF:294771.8/14

Left: 44.039+/-0.007 χ^2/NDF: 524939.9/29

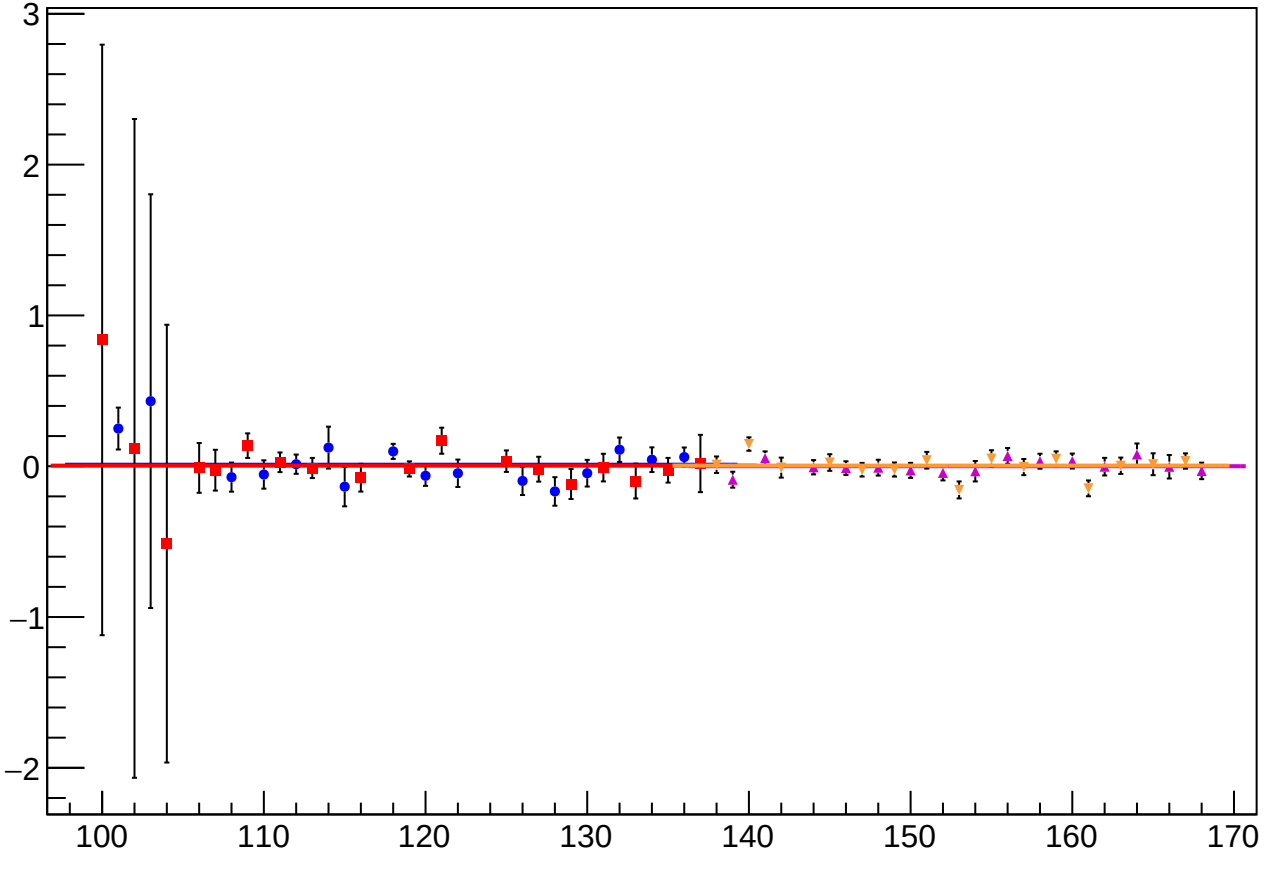
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.270+/-0.008 χ^2/NDF:2132706.7/30

Out: 44.412+/-0.008 χ^2/NDF:2692158.3/32

All: 45.346+/-0.006 χ^2/NDF: 4850954.8/63

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: 0.004+/-0.014 χ^2/NDF:30.0/14

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.014 χ^2/NDF:9.8/14

Left: 0.002+/-0.010 χ^2/NDF: 39.9/29

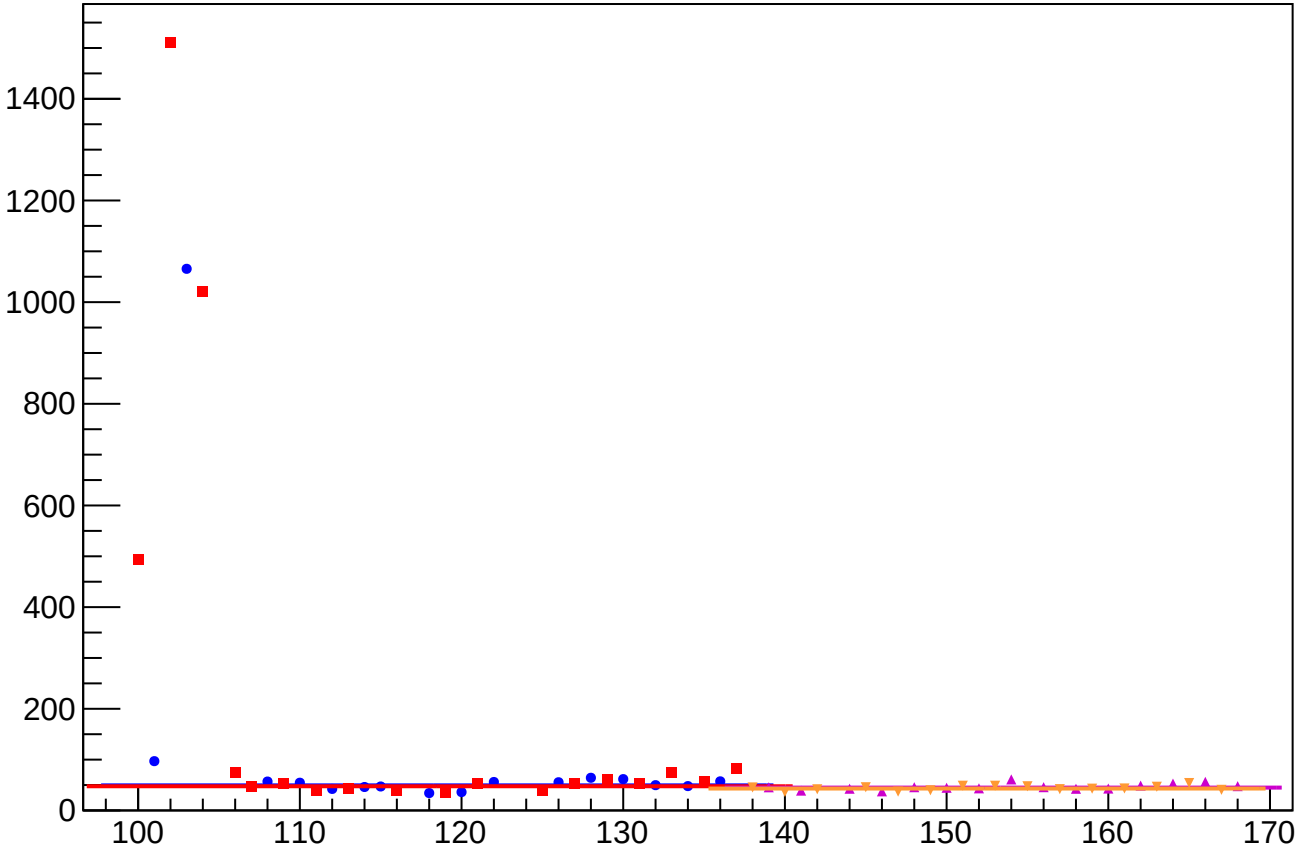
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.011 χ^2/NDF:28.4/30

Out: 0.004+/-0.012 χ^2/NDF:40.5/32

All: 0.004+/-0.008 χ^2/NDF: 68.9/63

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: 43.121+/-0.010 χ^2/NDF:212115.5/14

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.960+/-0.010 χ^2/NDF:294771.8/14

Left: 44.039+/-0.007 χ^2/NDF: 524939.9/29

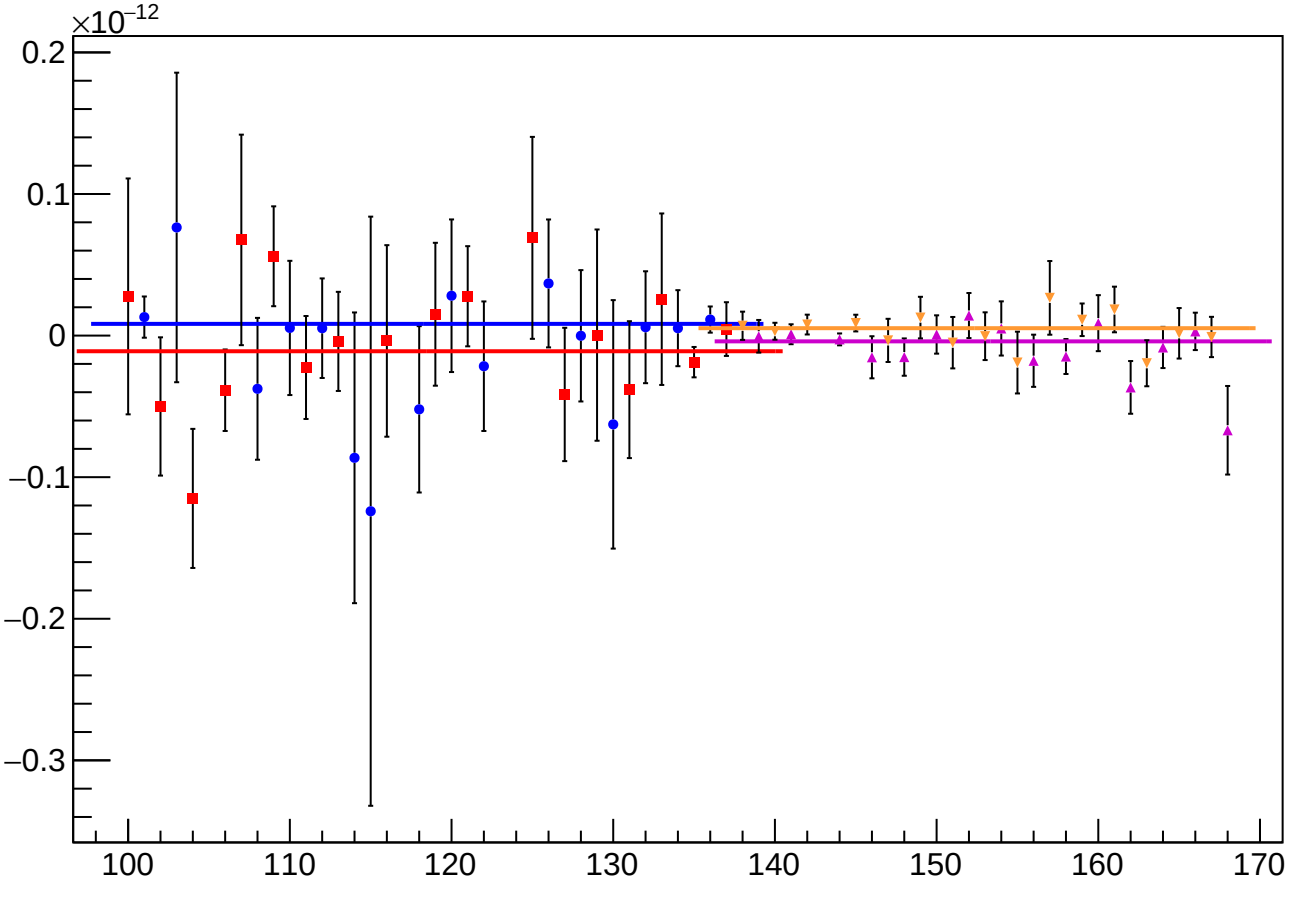
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.270+/-0.008 χ^2/NDF:2132706.7/30

Out: 44.412+/-0.008 χ^2/NDF:2692158.3/32

All: 45.346+/-0.006 χ^2/NDF: 4850954.8/63

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/14

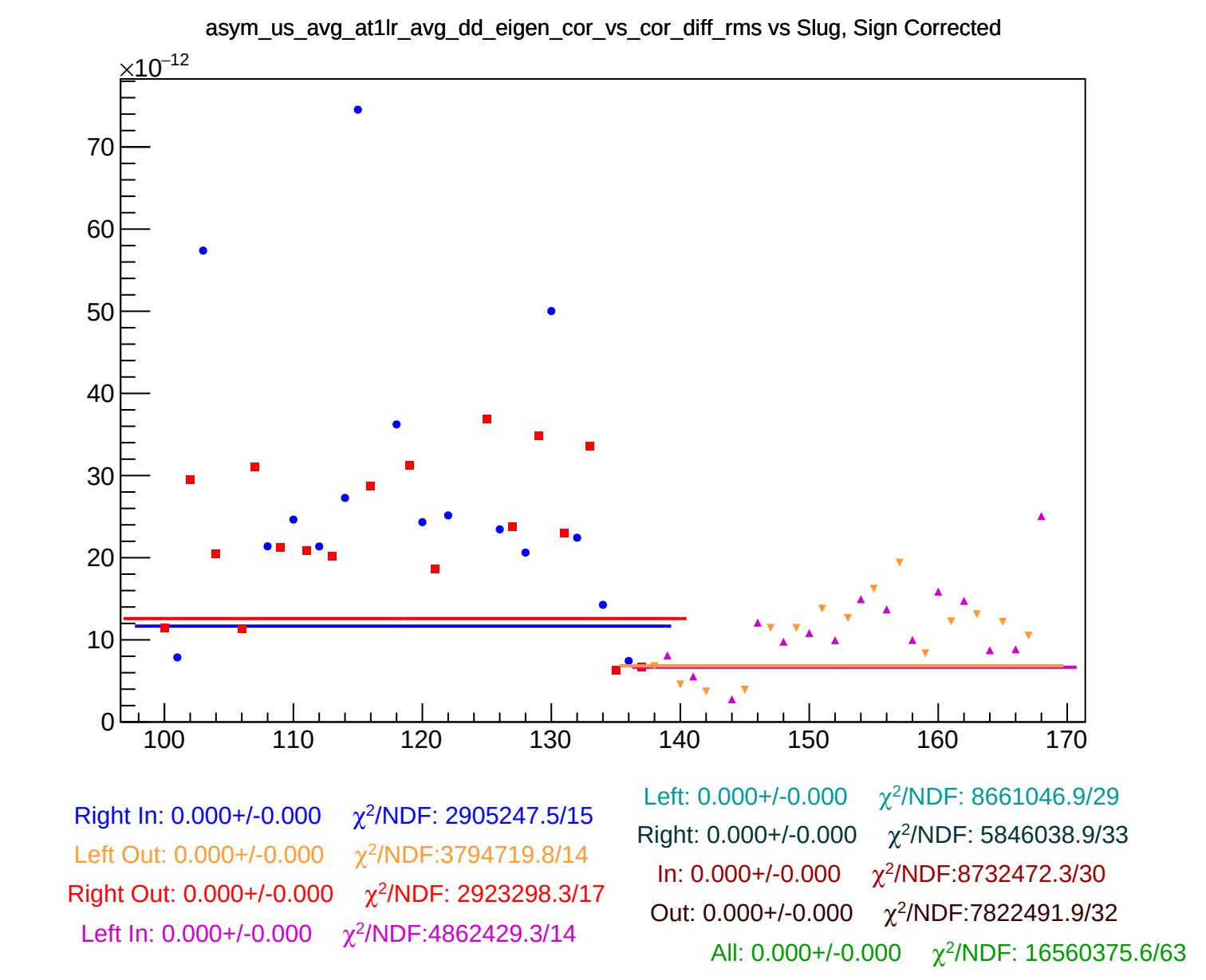
Left: 0.000+/-0.000 χ^2/NDF: 25.6/29

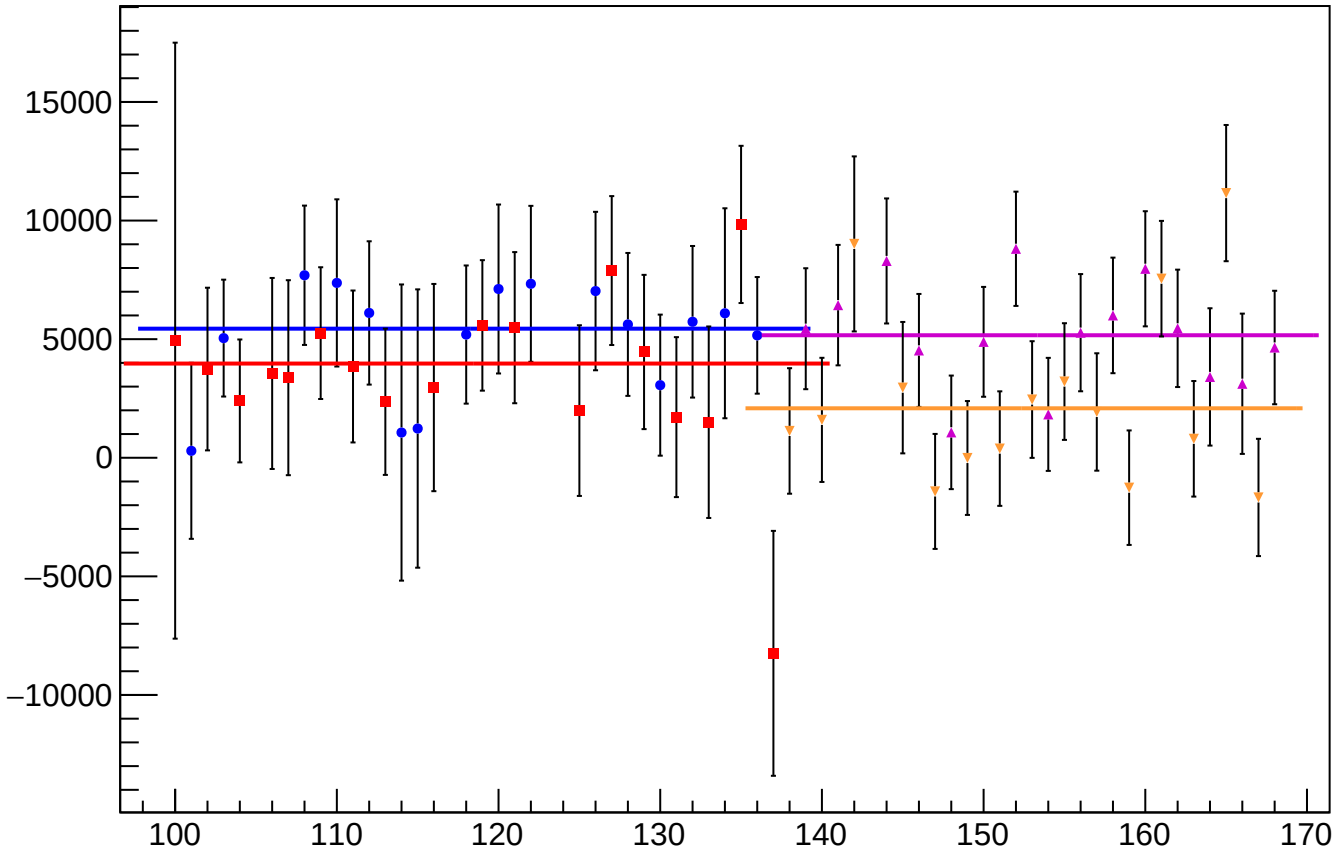
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:21.2/30

Out: 0.000+/-0.000 χ^2/NDF:27.7/32

All: 0.000+/-0.000 χ^2/NDF: 51.1/63


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3794719.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4862429.3/14
Left: 0.000+/-0.000 χ²/NDF: 8661046.9/29
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:8732472.3/30
Out: 0.000+/-0.000 χ²/NDF:7822491.9/32
All: 0.000+/-0.000 χ²/NDF: 16560375.6/63



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.532+/-660.022 χ^2/NDF:26.9/14

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5165.165+/-643.829 χ^2/NDF:11.3/14

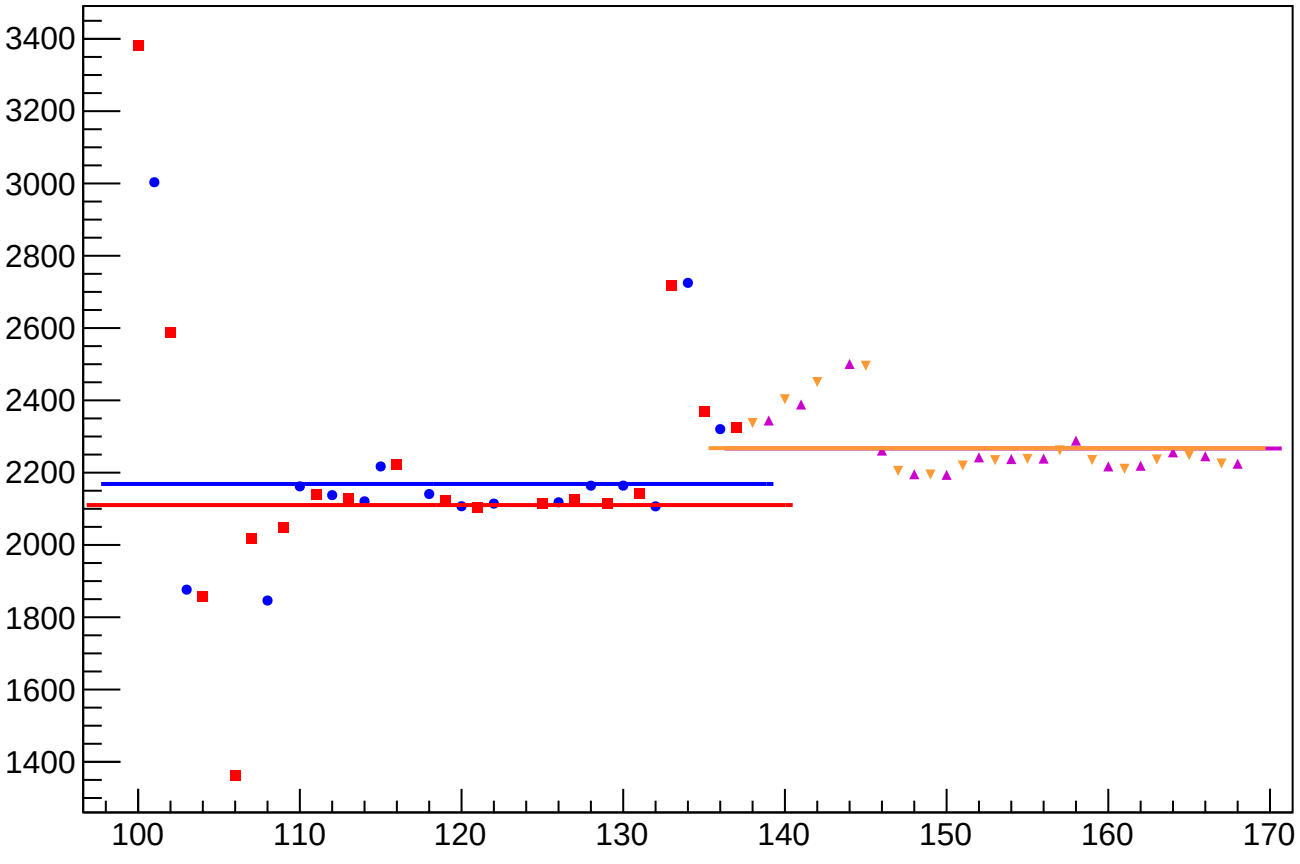
Left: 3663.591+/-460.874 χ^2/NDF: 49.4/29

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5272.068+/-504.618 χ^2/NDF:16.7/30

Out: 2839.267+/-511.419 χ^2/NDF:43.1/32

All: 4071.951+/-359.199 χ^2/NDF: 71.3/63



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2267.736+/-0.467 χ^2/NDF:32314.8/14

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2266.830+/-0.455 χ^2/NDF:29203.0/14

Left: 2267.272+/-0.326 χ^2/NDF: 61519.8/29

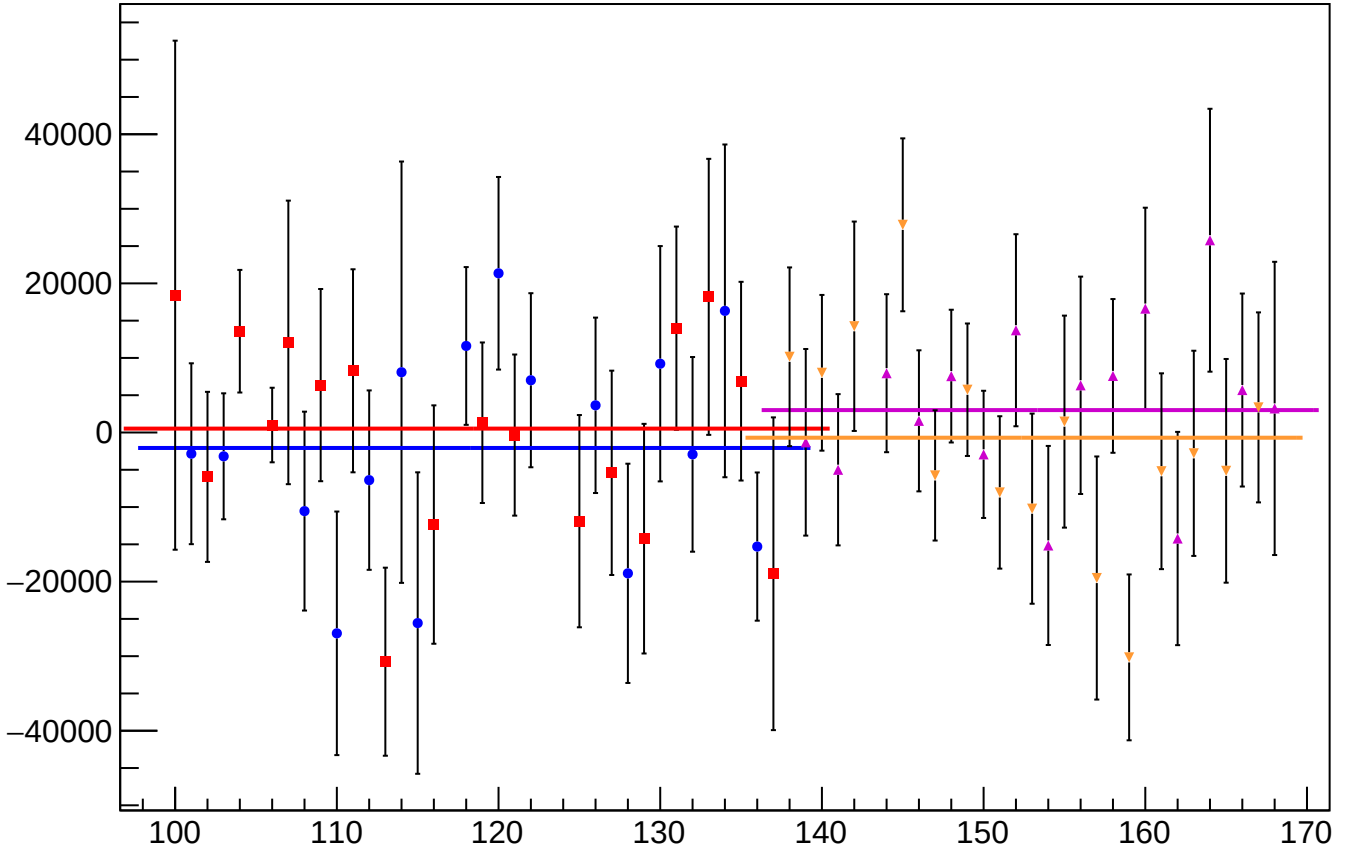
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.988+/-0.357 χ^2/NDF:242776.7/30

Out: 2203.637+/-0.359 χ^2/NDF:346039.9/32

All: 2216.400+/-0.253 χ^2/NDF: 591323.0/63

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: -700.123+/-3034.234 χ^2/NDF:19.3/14

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 3004.798+/-3009.228 χ^2/NDF:8.7/14

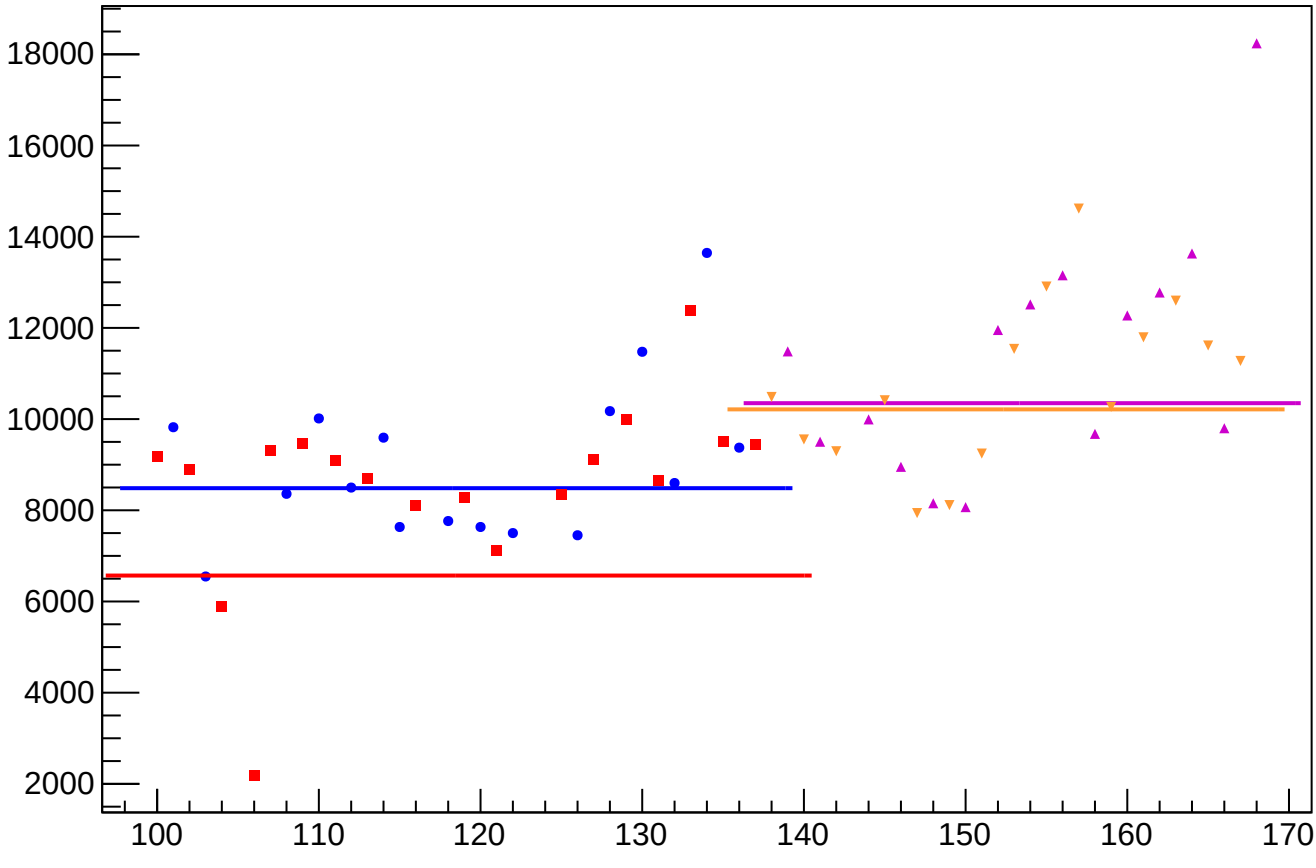
Left: 1167.667+/-2136.632 χ^2/NDF: 28.8/29

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 630.438+/-2196.063 χ^2/NDF:24.5/30

Out: -21.844+/-2023.520 χ^2/NDF:35.1/32

All: 277.669+/-1488.110 χ^2/NDF: 59.6/63



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10213.160+/-2.146 χ^2/NDF:643197.4/14

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10349.245+/-2.128 χ^2/NDF:1000096.3/14

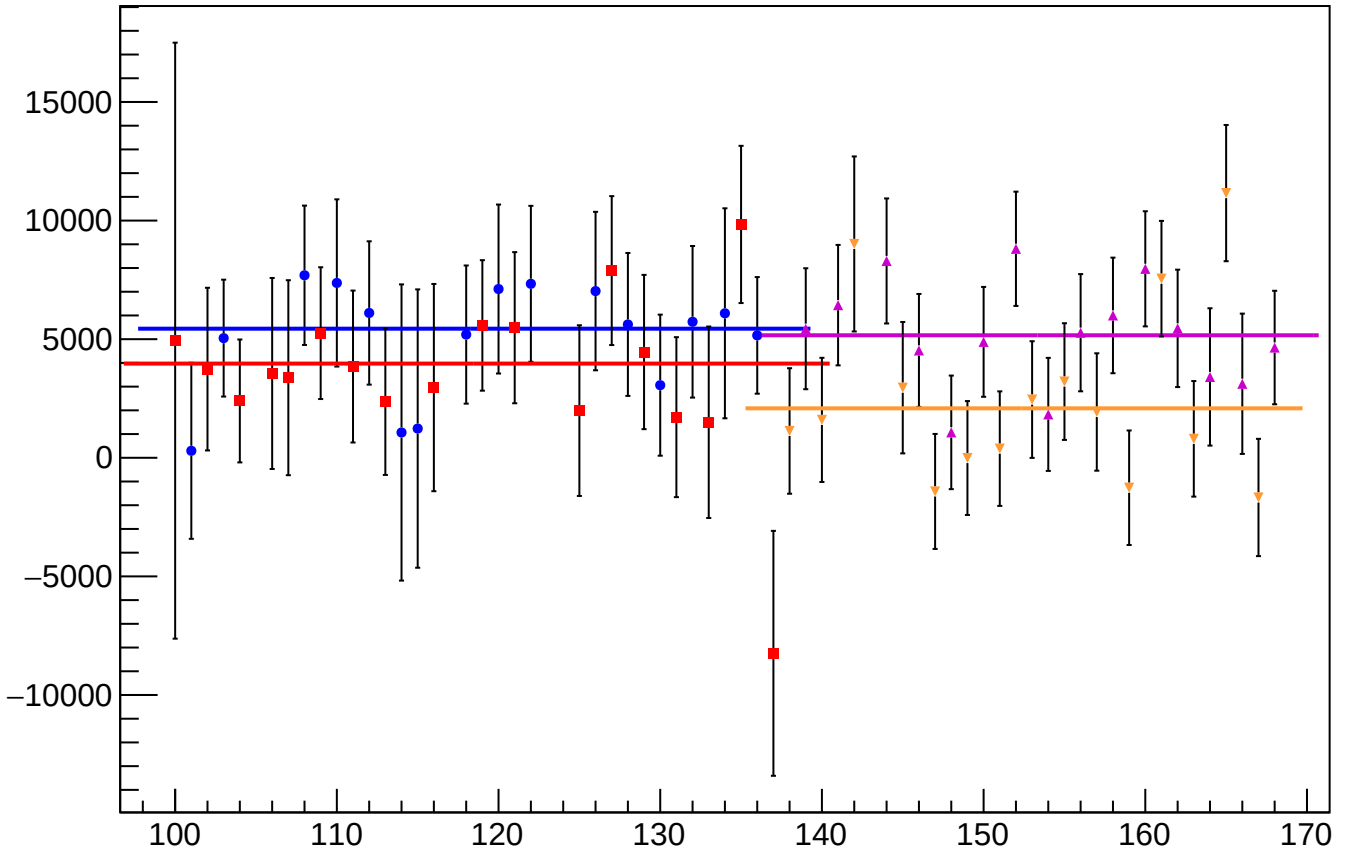
Left: 10281.765+/-1.511 χ^2/NDF: 1645321.9/29

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9477.847+/-1.553 χ^2/NDF:1781591.5/30

Out: 8189.584+/-1.431 χ^2/NDF:4814161.7/32

All: 8781.125+/-1.052 χ^2/NDF: 6967977.4/63



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5165.279+/-643.829 χ^2/NDF:11.3/14

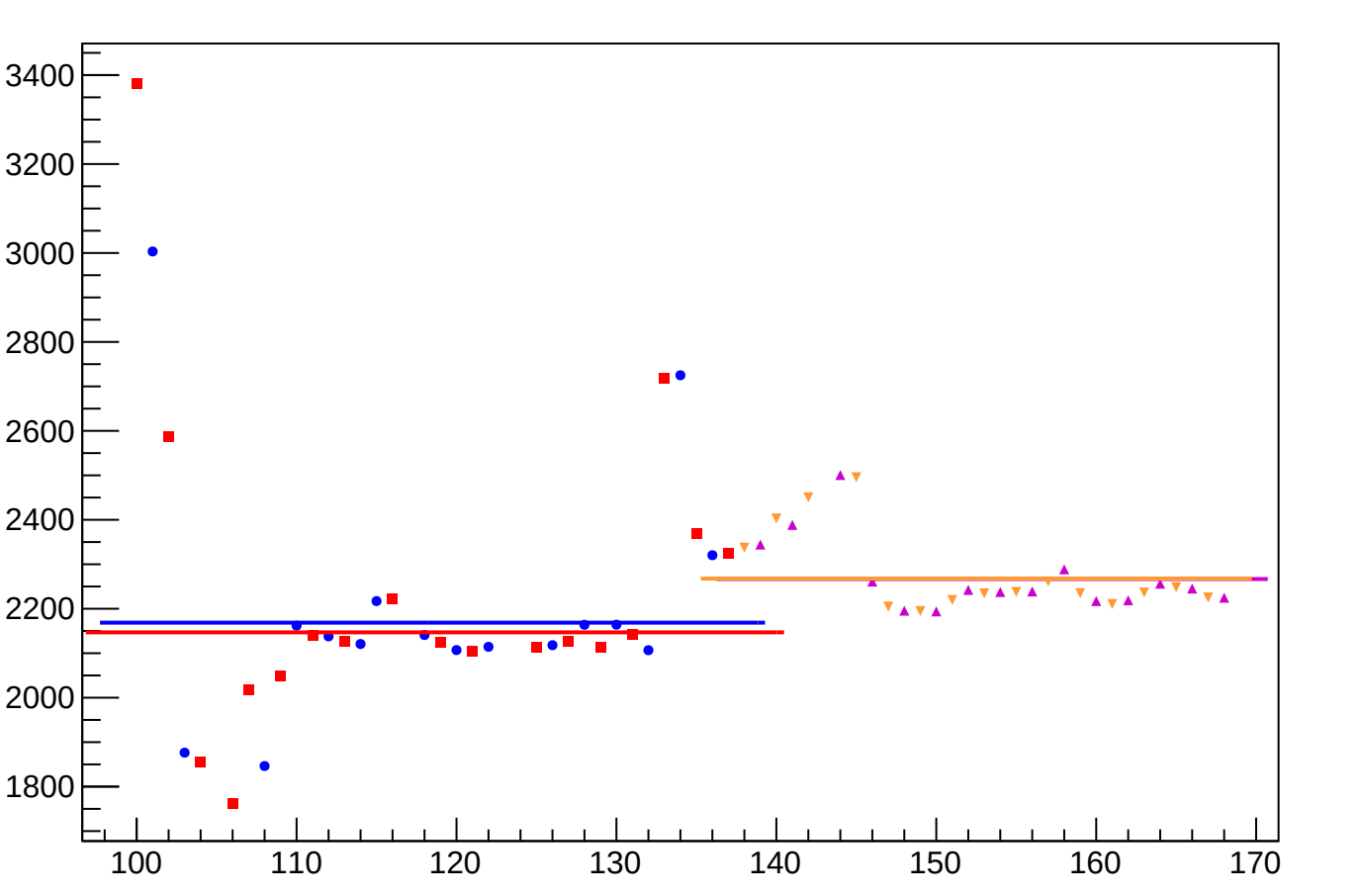
Left: 3663.589+/-460.874 χ^2/NDF: 49.4/29

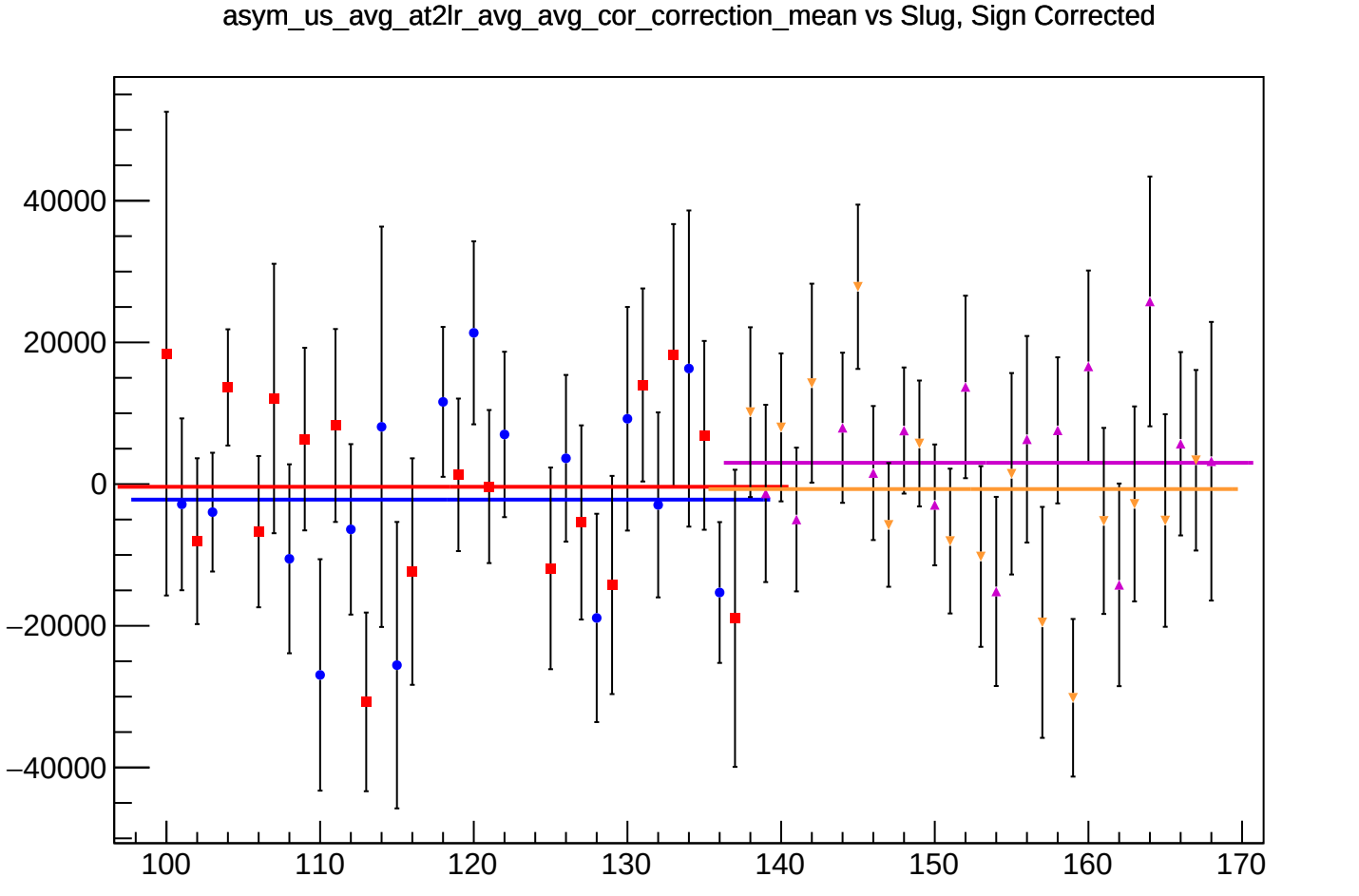
Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

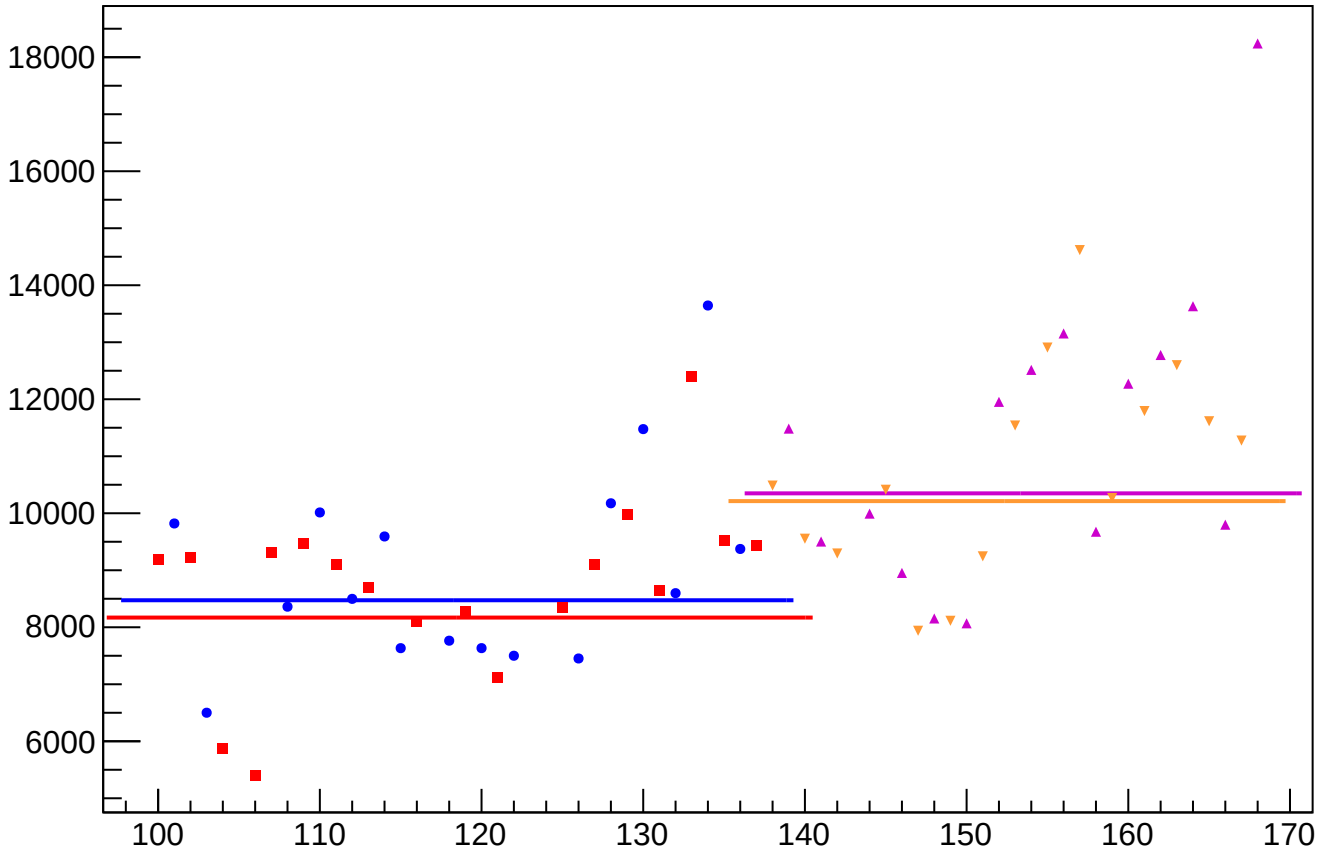
In: 5272.193+/-504.618 χ^2/NDF:16.7/30

Out: 2839.089+/-511.419 χ^2/NDF:43.1/32

All: 4071.927+/-359.199 χ^2/NDF: 71.3/63


cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2267.736+/-0.467 χ²/NDF:32314.8/14
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2266.830+/-0.455 χ²/NDF:29203.0/14
Left: 2267.272+/-0.326 χ²/NDF: 61519.8/29
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2228.988+/-0.357 χ²/NDF:242777.1/30
Out: 2219.156+/-0.361 χ²/NDF:217019.1/32
All: 2224.128+/-0.254 χ²/NDF: 460171.5/63


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -700.150+/-3034.231 χ²/NDF:19.3/14
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 3005.012+/-3009.227 χ²/NDF:8.7/14
Left: 1167.760+/-2136.630 χ²/NDF: 28.8/29
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 574.198+/-2194.921 χ²/NDF:24.5/30
Out: -543.131+/-2168.388 χ²/NDF:35.6/32
All: 8.739+/-1542.577 χ²/NDF: 60.3/63



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10213.151+/-2.146 χ^2/NDF:643199.5/14

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10349.240+/-2.128 χ^2/NDF:1000101.2/14

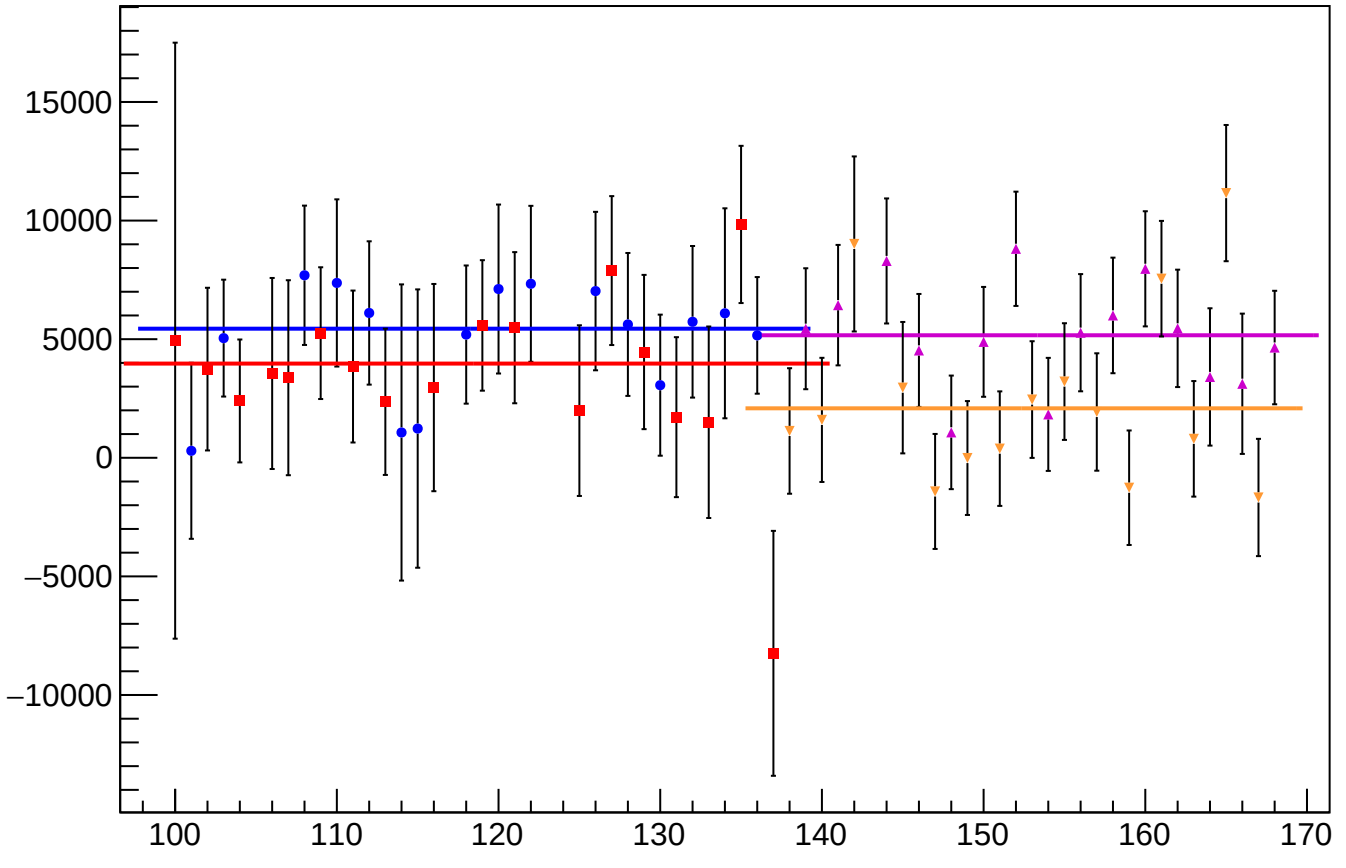
Left: 10281.758+/-1.511 χ^2/NDF: 1645329.0/29

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9471.545+/-1.552 χ^2/NDF:1793211.9/30

Out: 9213.477+/-1.533 χ^2/NDF:1626821.5/32

All: 9340.942+/-1.091 χ^2/NDF: 3434025.5/63



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2085.408+/-660.022 χ^2/NDF:26.9/14

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5165.279+/-643.829 χ^2/NDF:11.3/14

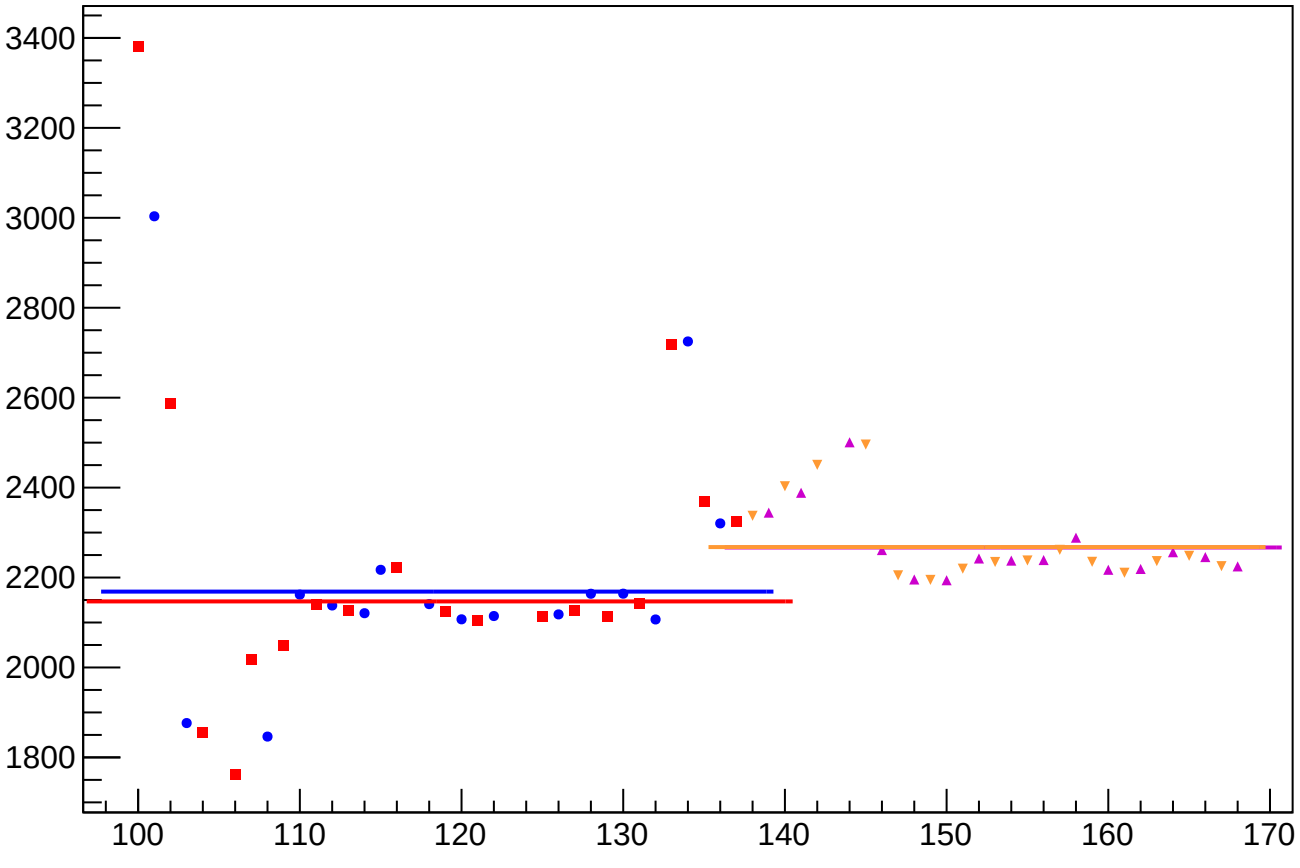
Left: 3663.589+/-460.874 χ^2/NDF: 49.4/29

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5272.193+/-504.618 χ^2/NDF:16.7/30

Out: 2839.089+/-511.419 χ^2/NDF:43.1/32

All: 4071.927+/-359.199 χ^2/NDF: 71.3/63



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2267.736+/-0.467 χ^2/NDF:32314.8/14

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2266.830+/-0.455 χ^2/NDF:29203.0/14

Left: 2267.272+/-0.326 χ^2/NDF: 61519.8/29

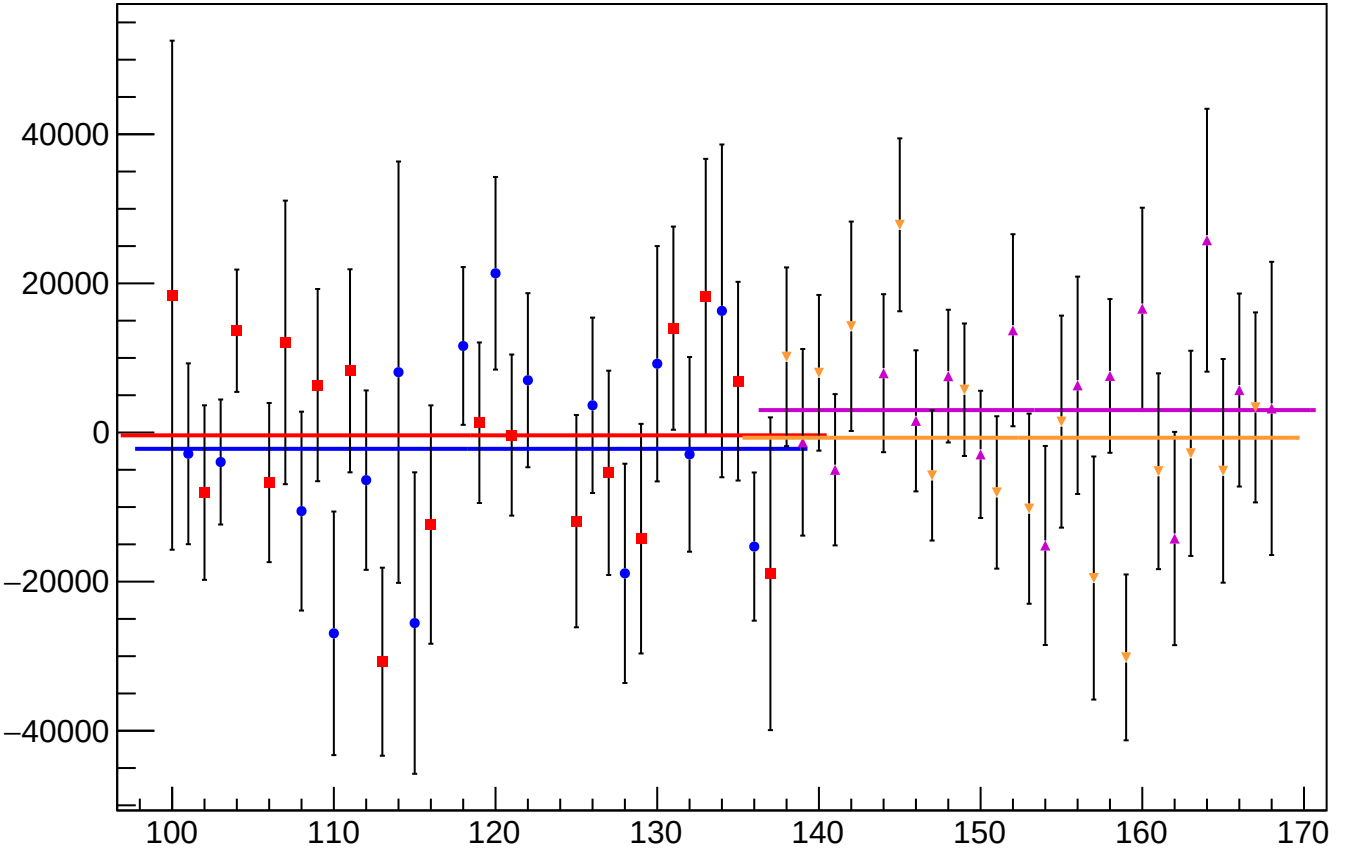
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.988+/-0.357 χ^2/NDF:242777.1/30

Out: 2219.156+/-0.361 χ^2/NDF:217019.1/32

All: 2224.128+/-0.254 χ^2/NDF: 460171.5/63

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -700.150+/-3034.231 χ^2/NDF:19.3/14

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 3005.012+/-3009.227 χ^2/NDF:8.7/14

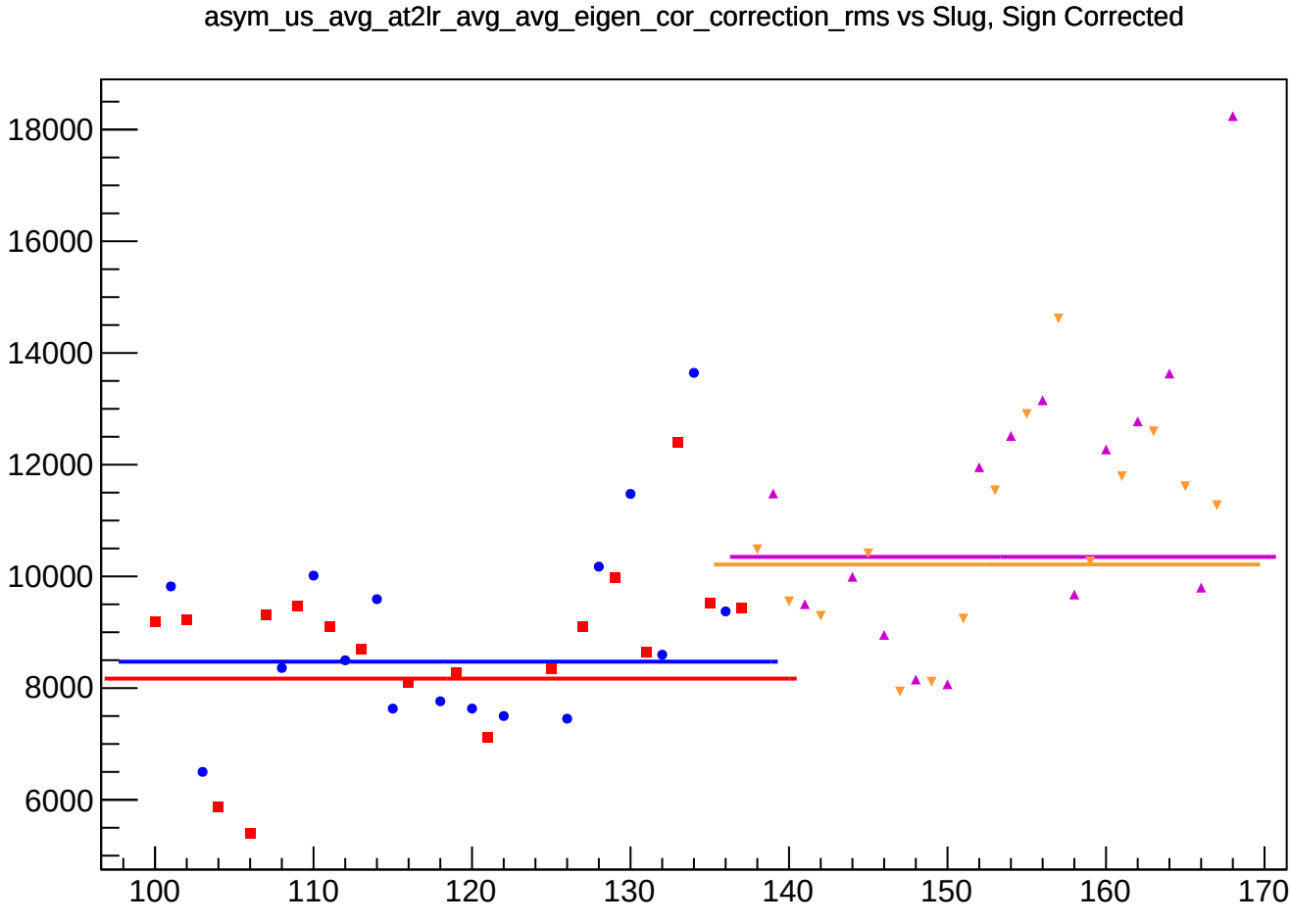
Left: 1167.760+/-2136.630 χ^2/NDF: 28.8/29

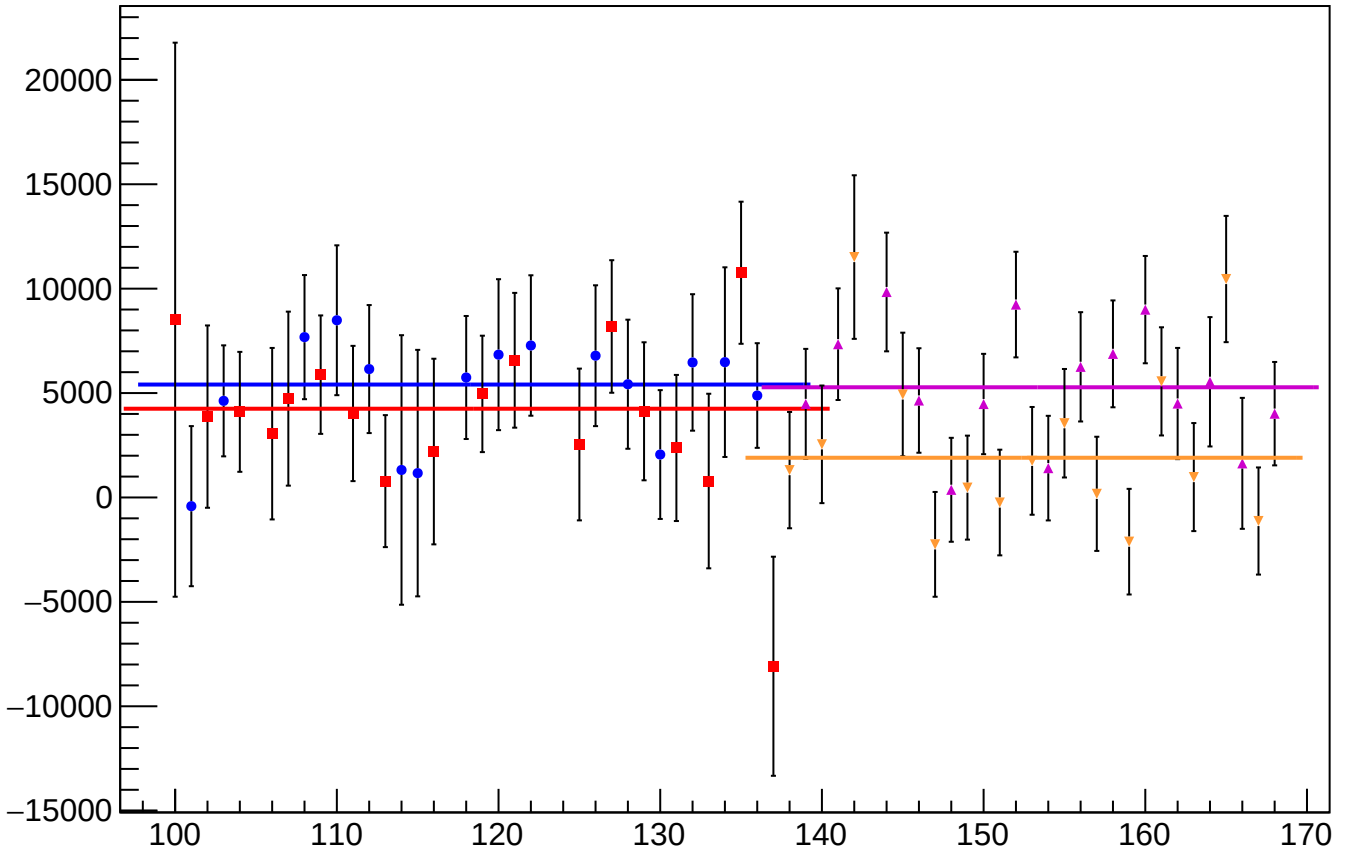
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 574.198+/-2194.921 χ^2/NDF:24.5/30

Out: -543.131+/-2168.388 χ^2/NDF:35.6/32

All: 8.739+/-1542.577 χ^2/NDF: 60.3/63


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10213.151+/-2.146 χ²/NDF:643199.5/14
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10349.240+/-2.128 χ²/NDF:1000101.2/14
Left: 10281.758+/-1.511 χ²/NDF: 1645329.0/29
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9471.545+/-1.552 χ²/NDF:1793211.9/30
Out: 9213.477+/-1.533 χ²/NDF:1626821.5/32
All: 9340.942+/-1.091 χ²/NDF: 3434025.5/63



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1901.409+/-696.949 χ^2/NDF:25.8/14

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5277.081+/-677.618 χ^2/NDF:16.5/14

Left: 3636.709+/-485.839 χ^2/NDF: 54.4/29

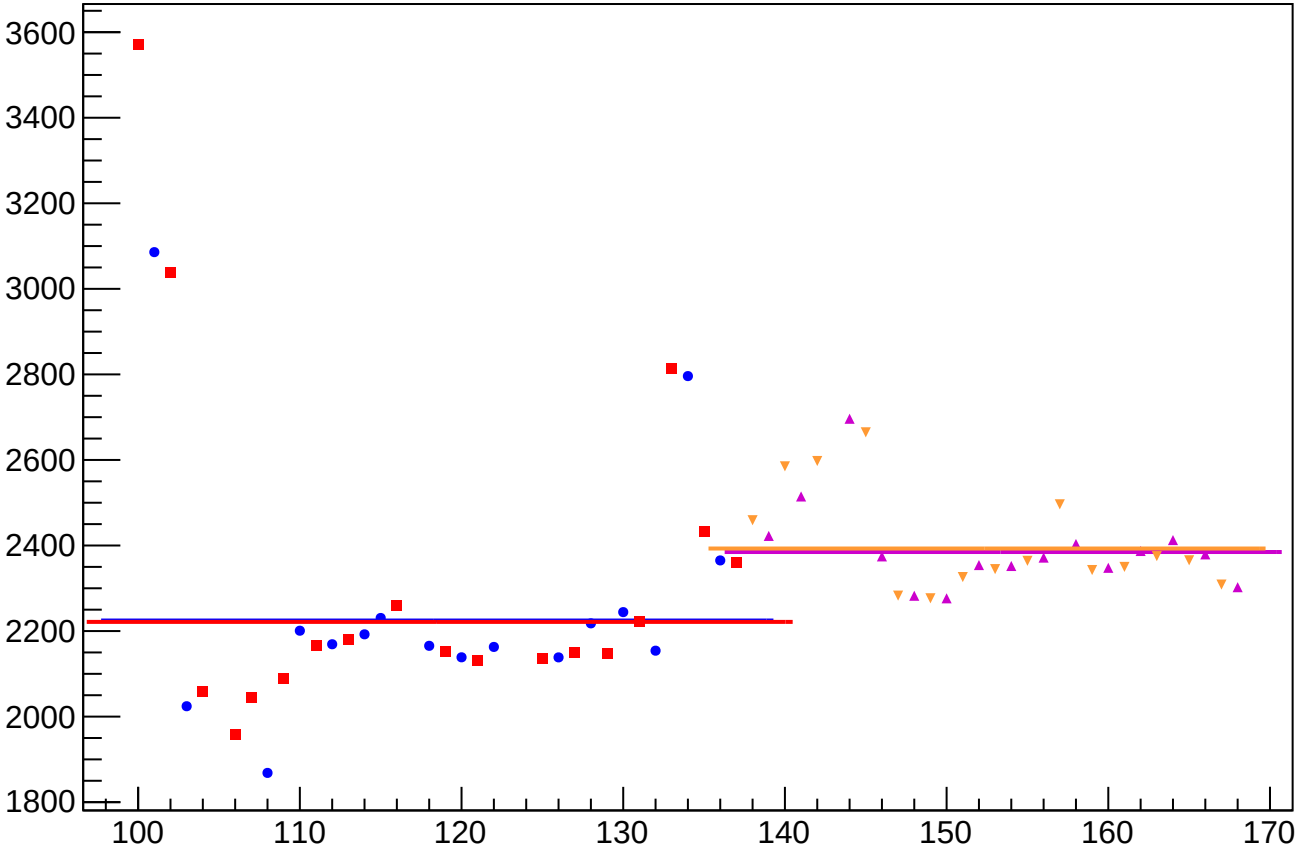
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5329.110+/-525.833 χ^2/NDF:23.2/30

Out: 2859.844+/-536.195 χ^2/NDF:44.9/32

All: 4118.567+/-375.430 χ^2/NDF: 79.0/63

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2392.960+/-0.493 χ^2/NDF:49902.5/14

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2384.787+/-0.479 χ^2/NDF:40201.1/14

Left: 2388.759+/-0.344 χ^2/NDF: 90245.0/29

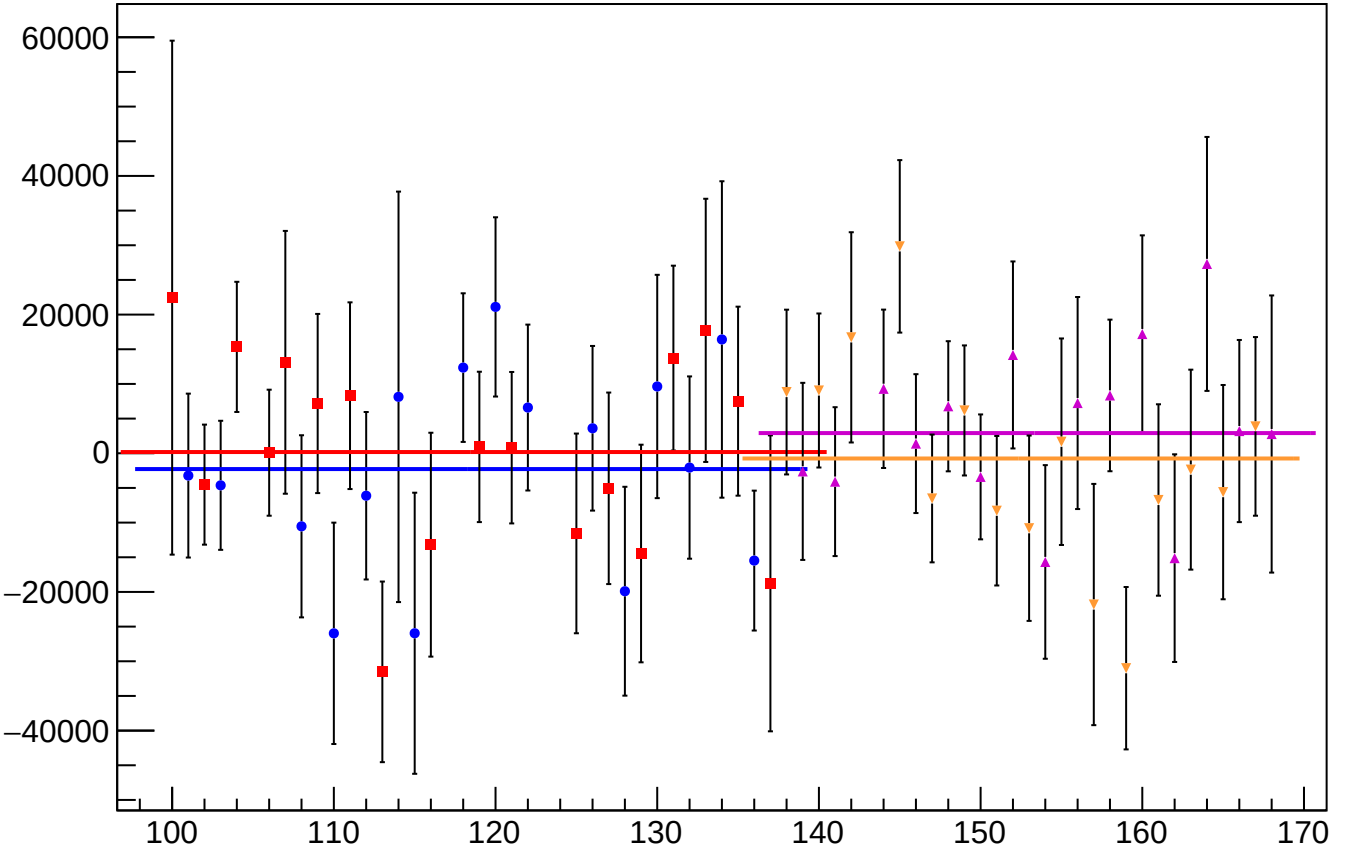
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2321.067+/-0.372 χ^2/NDF:269336.5/30

Out: 2322.905+/-0.379 χ^2/NDF:269326.2/32

All: 2321.968+/-0.265 χ^2/NDF: 538674.6/63

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -753.385+/-3182.616 χ^2/NDF:19.4/14

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2912.121+/-3161.170 χ^2/NDF:8.6/14

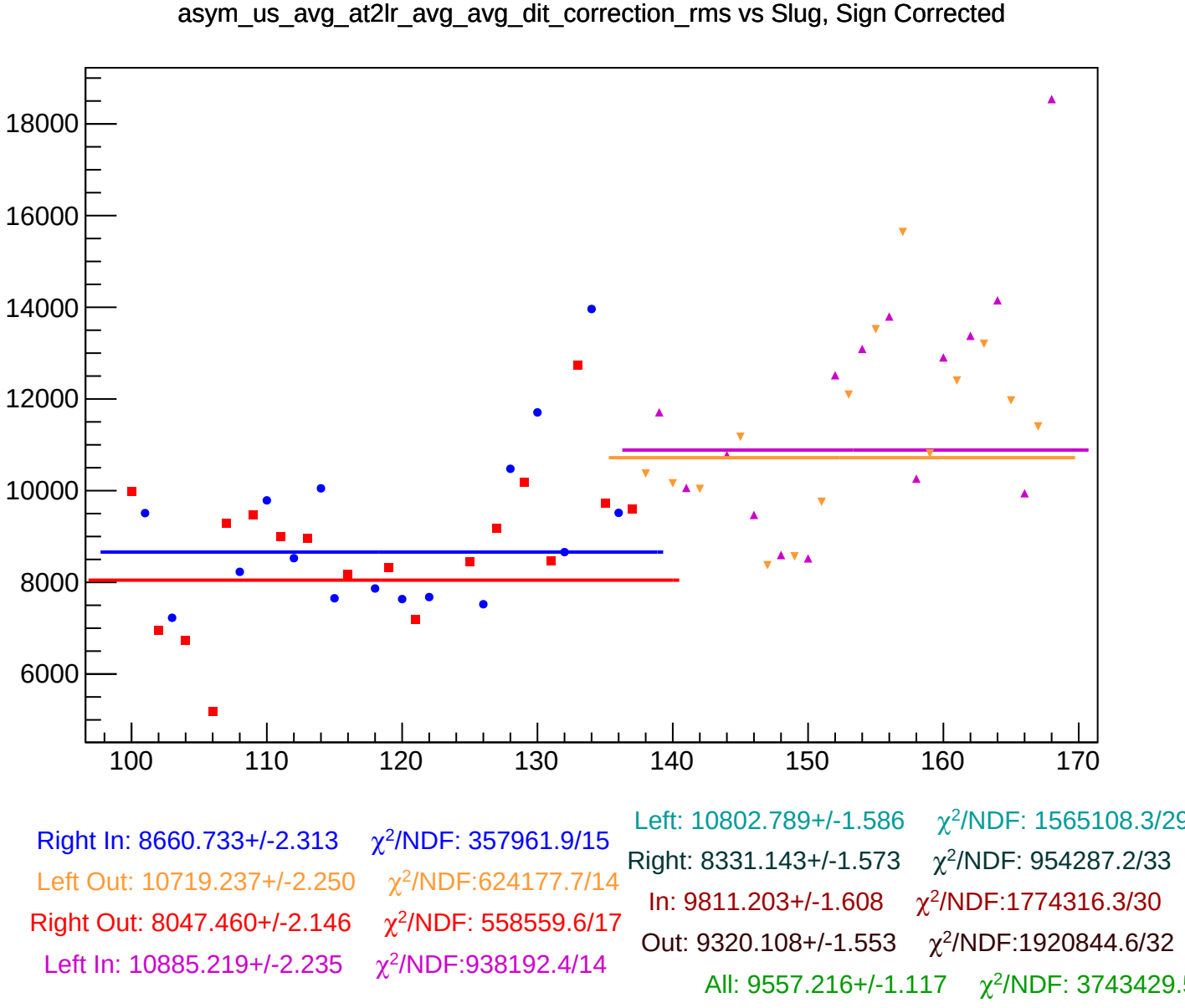
Left: 1091.760+/-2242.829 χ^2/NDF: 28.7/29

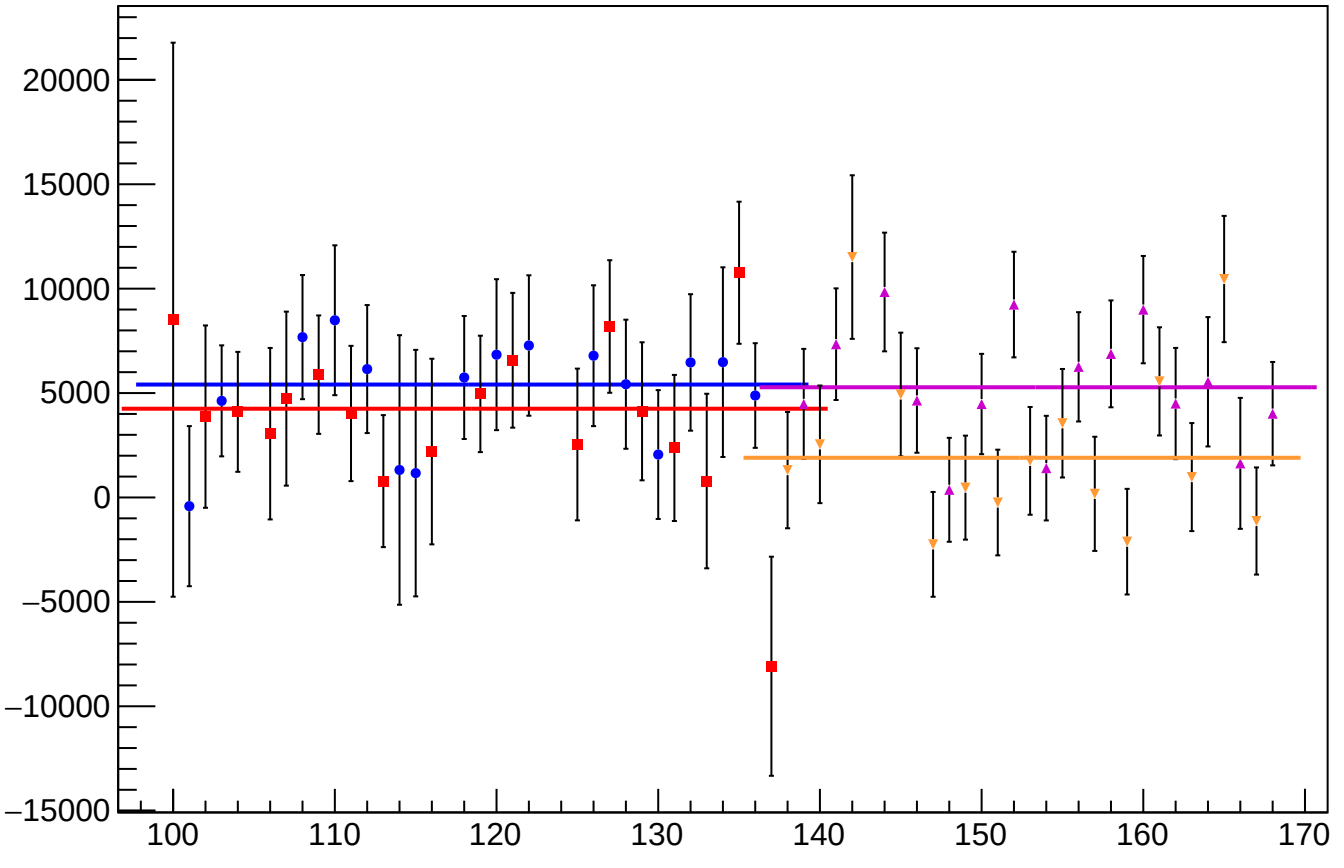
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 406.038+/-2273.373 χ^2/NDF:24.4/30

Out: -266.158+/-2196.536 χ^2/NDF:35.1/32

All: 58.389+/-1579.651 χ^2/NDF: 59.6/63


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8660.733+/-2.313 χ²/NDF: 357961.9/15
Left Out: 10719.237+/-2.250 χ²/NDF:624177.7/14
Right Out: 8047.460+/-2.146 χ²/NDF: 558559.6/17
Left In: 10885.219+/-2.235 χ²/NDF:938192.4/14
Left: 10802.789+/-1.586 χ²/NDF: 1565108.3/29
Right: 8331.143+/-1.573 χ²/NDF: 954287.2/33
In: 9811.203+/-1.608 χ²/NDF:1774316.3/30
Out: 9320.108+/-1.553 χ²/NDF:1920844.6/32
All: 9557.216+/-1.117 χ²/NDF: 3743429.5/63



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1901.390+/-696.950 χ^2/NDF:25.8/14

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5277.085+/-677.619 χ^2/NDF:16.5/14

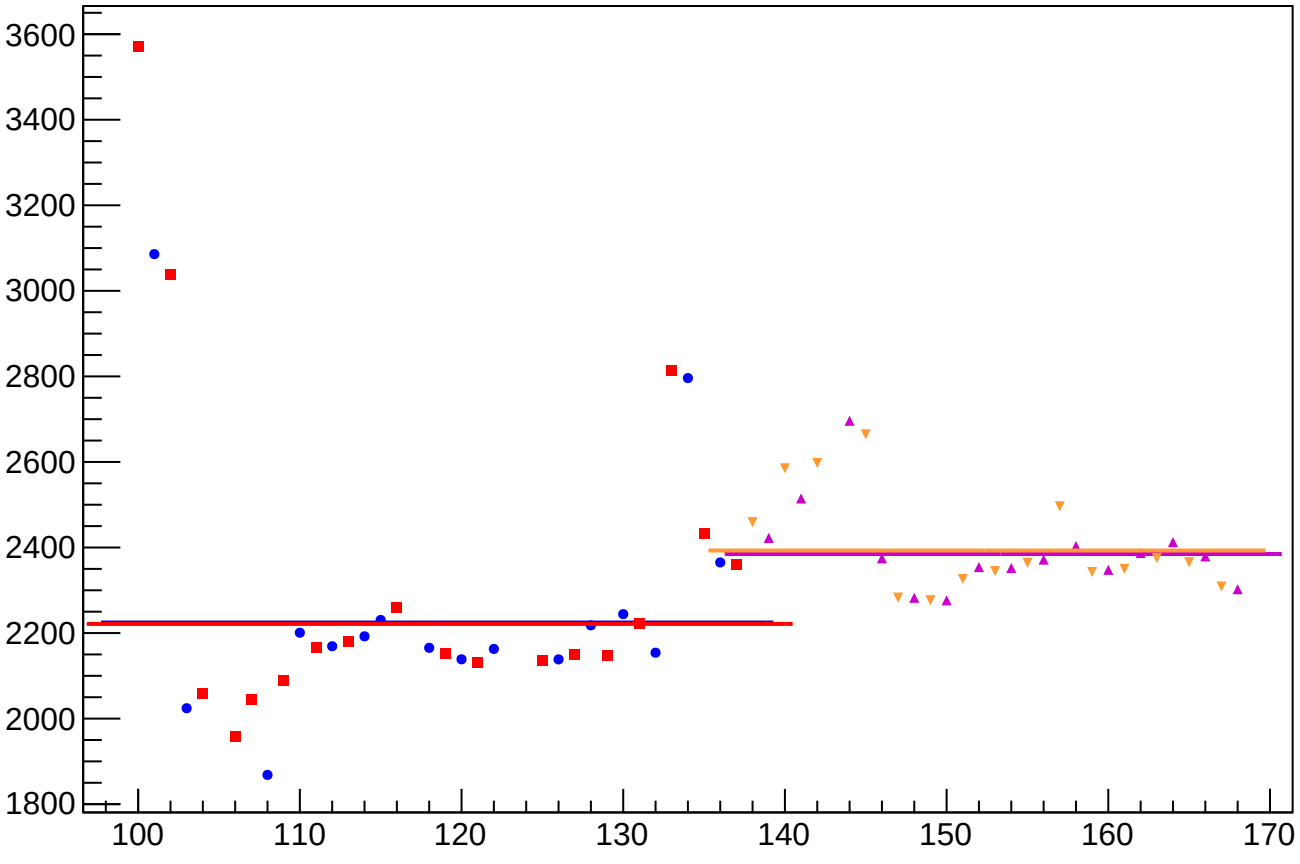
Left: 3636.702+/-485.839 χ^2/NDF: 54.4/29

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5329.113+/-525.833 χ^2/NDF:23.2/30

Out: 2859.837+/-536.195 χ^2/NDF:44.9/32

All: 4118.565+/-375.430 χ^2/NDF: 79.0/63



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2392.964+/-0.493 χ^2/NDF:49903.1/14

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2384.790+/-0.479 χ^2/NDF:40201.4/14

Left: 2388.762+/-0.344 χ^2/NDF: 90245.9/29

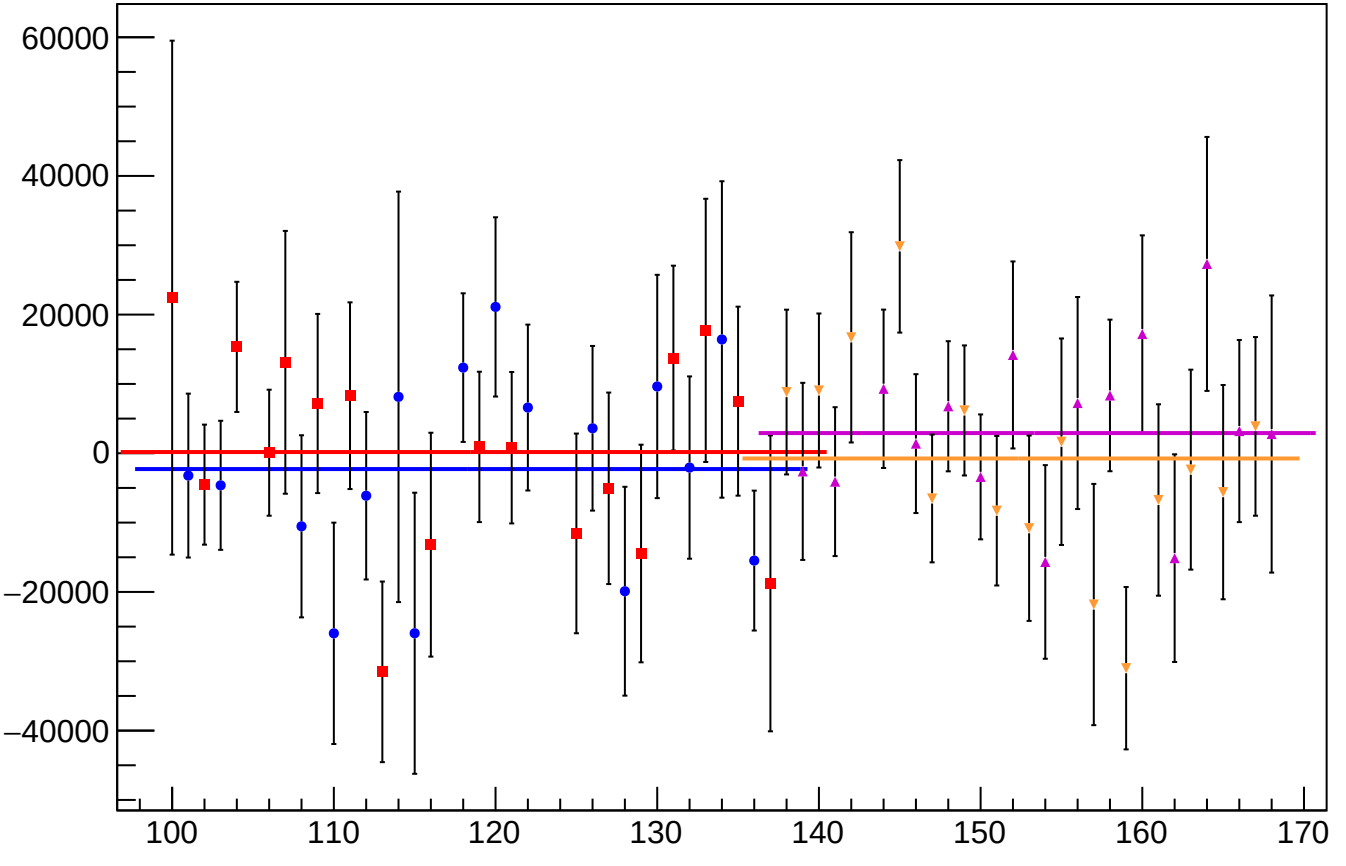
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2321.068+/-0.372 χ^2/NDF:269339.4/30

Out: 2322.906+/-0.379 χ^2/NDF:269329.3/32

All: 2321.970+/-0.265 χ^2/NDF: 538680.6/63

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: -753.397+/-3182.621 χ^2/NDF:19.4/14

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2912.120+/-3161.175 χ^2/NDF:8.6/14

Left: 1091.753+/-2242.832 χ^2/NDF: 28.7/29

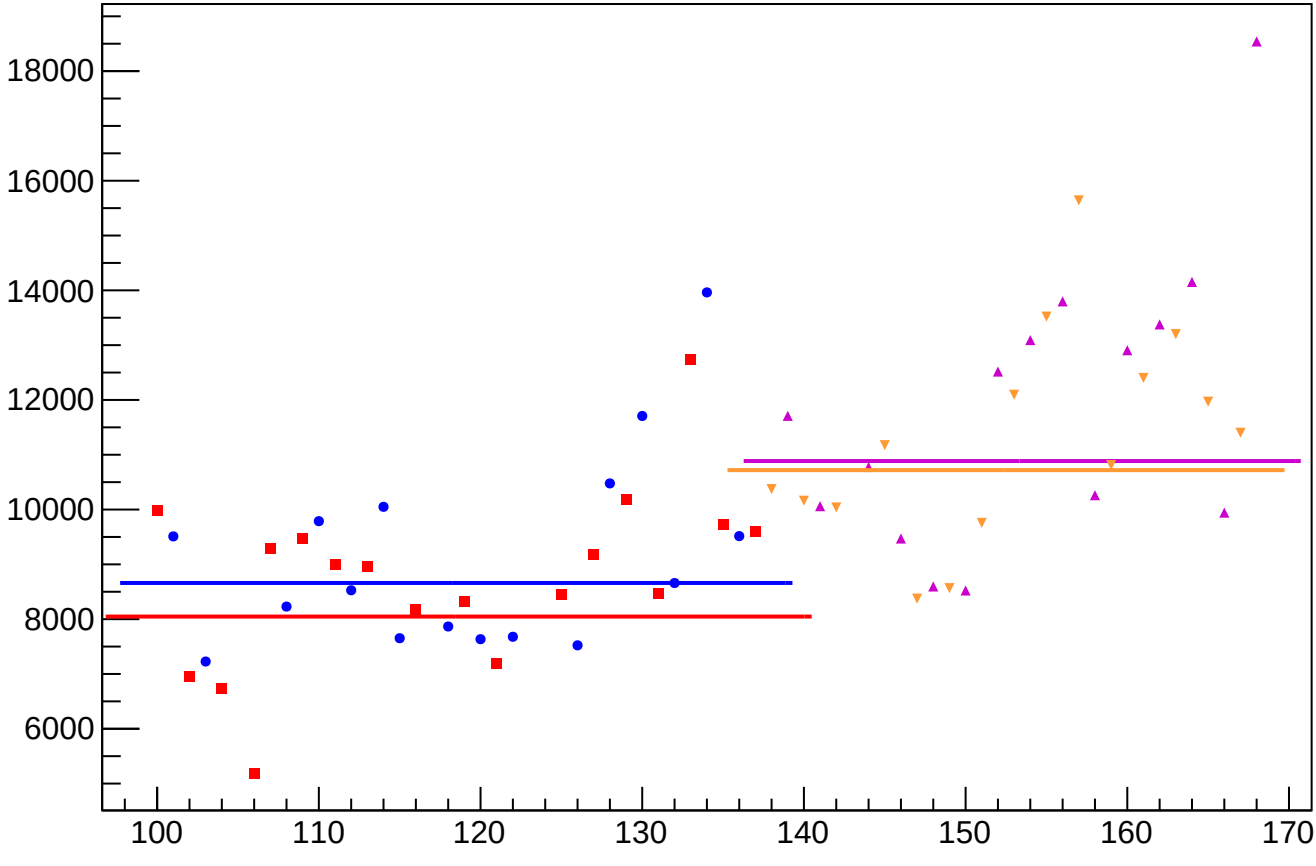
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 406.038+/-2273.372 χ^2/NDF:24.4/30

Out: -266.159+/-2196.535 χ^2/NDF:35.1/32

All: 58.388+/-1579.650 χ^2/NDF: 59.6/63

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: 10719.254+/-2.250 χ^2/NDF:624180.1/14

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10885.236+/-2.235 χ^2/NDF:938194.0/14

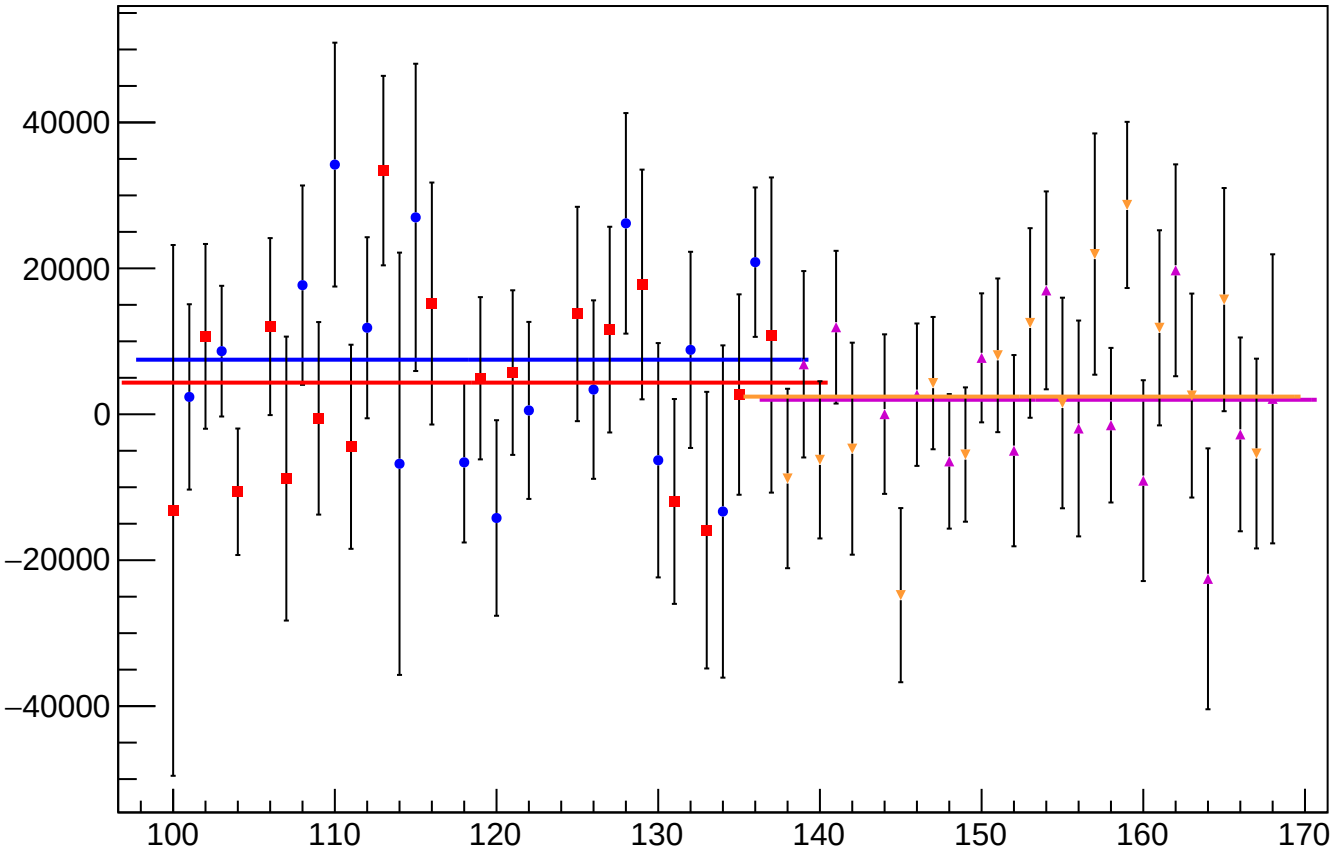
Left: 10802.806+/-1.586 χ^2/NDF: 1565112.3/29

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9811.197+/-1.608 χ^2/NDF:1774336.7/30

Out: 9320.101+/-1.553 χ^2/NDF:1920864.5/32

All: 9557.210+/-1.117 χ^2/NDF: 3743470.0/63



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2421.129+/-3116.607 χ^2/NDF:16.9/14

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 1989.419+/-3089.388 χ^2/NDF:8.2/14

Left: 2203.380+/-2194.087 χ^2/NDF: 25.1/29

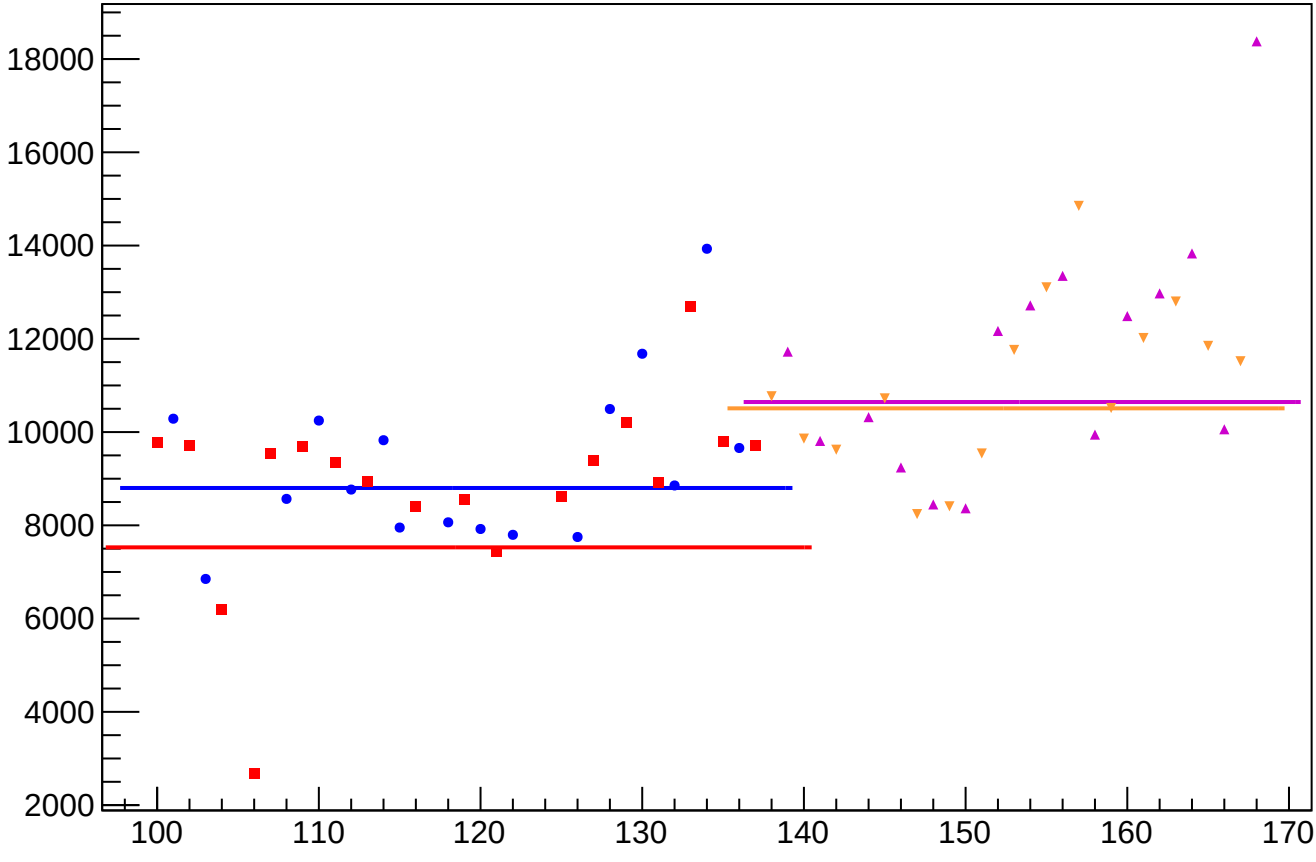
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4529.268+/-2265.105 χ^2/NDF:23.7/30

Out: 3341.674+/-2247.002 χ^2/NDF:31.4/32

All: 3930.706+/-1595.232 χ^2/NDF: 55.2/63

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10508.977+/-2.204 χ^2/NDF:590148.2/14

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10644.672+/-2.185 χ^2/NDF:925465.7/14

Left: 10577.419+/-1.551 χ^2/NDF: 1517526.2/29

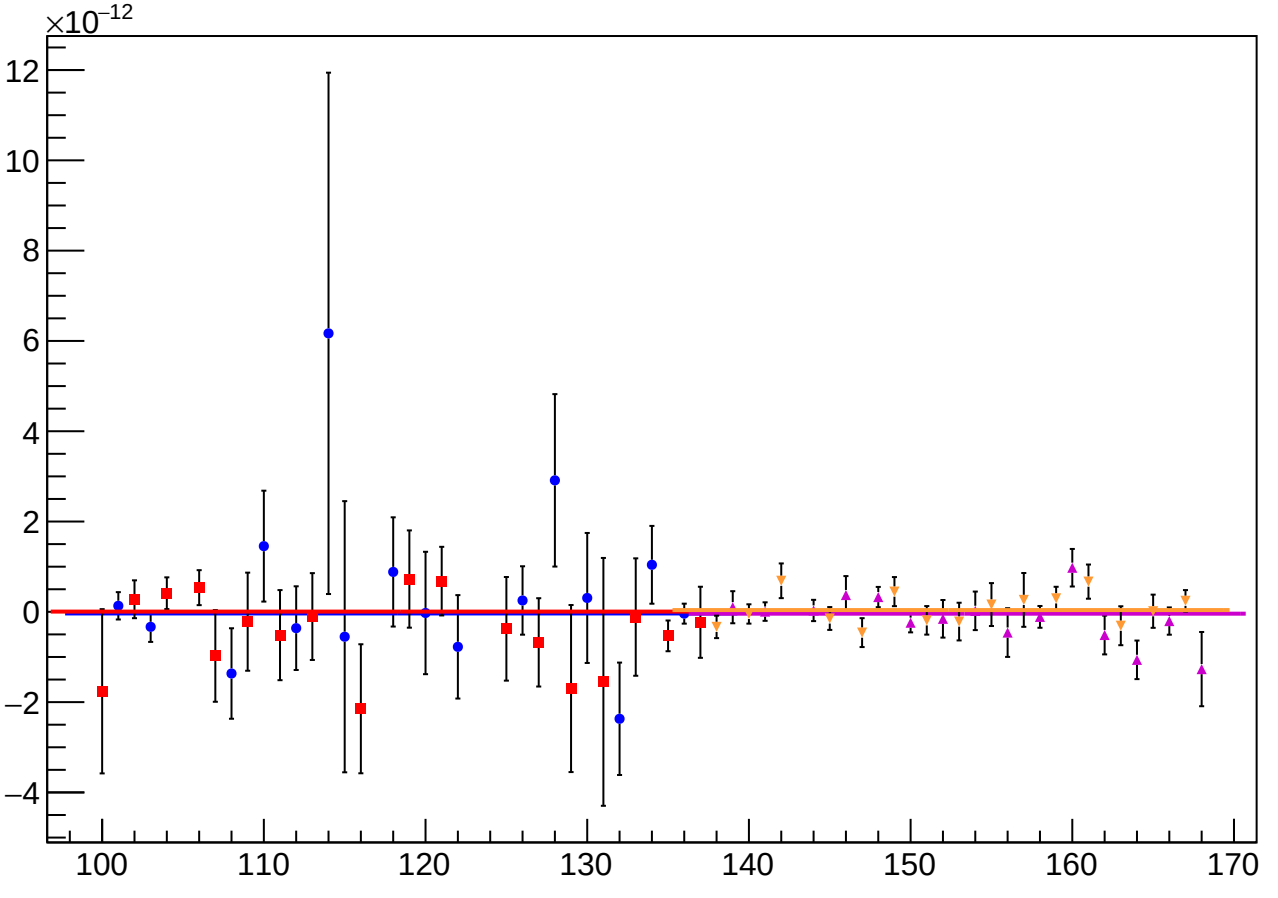
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9792.119+/-1.602 χ^2/NDF:1649401.9/30

Out: 8966.483+/-1.531 χ^2/NDF:3194287.4/32

All: 9360.669+/-1.107 χ^2/NDF: 4982549.5/63

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:16.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:21.1/14

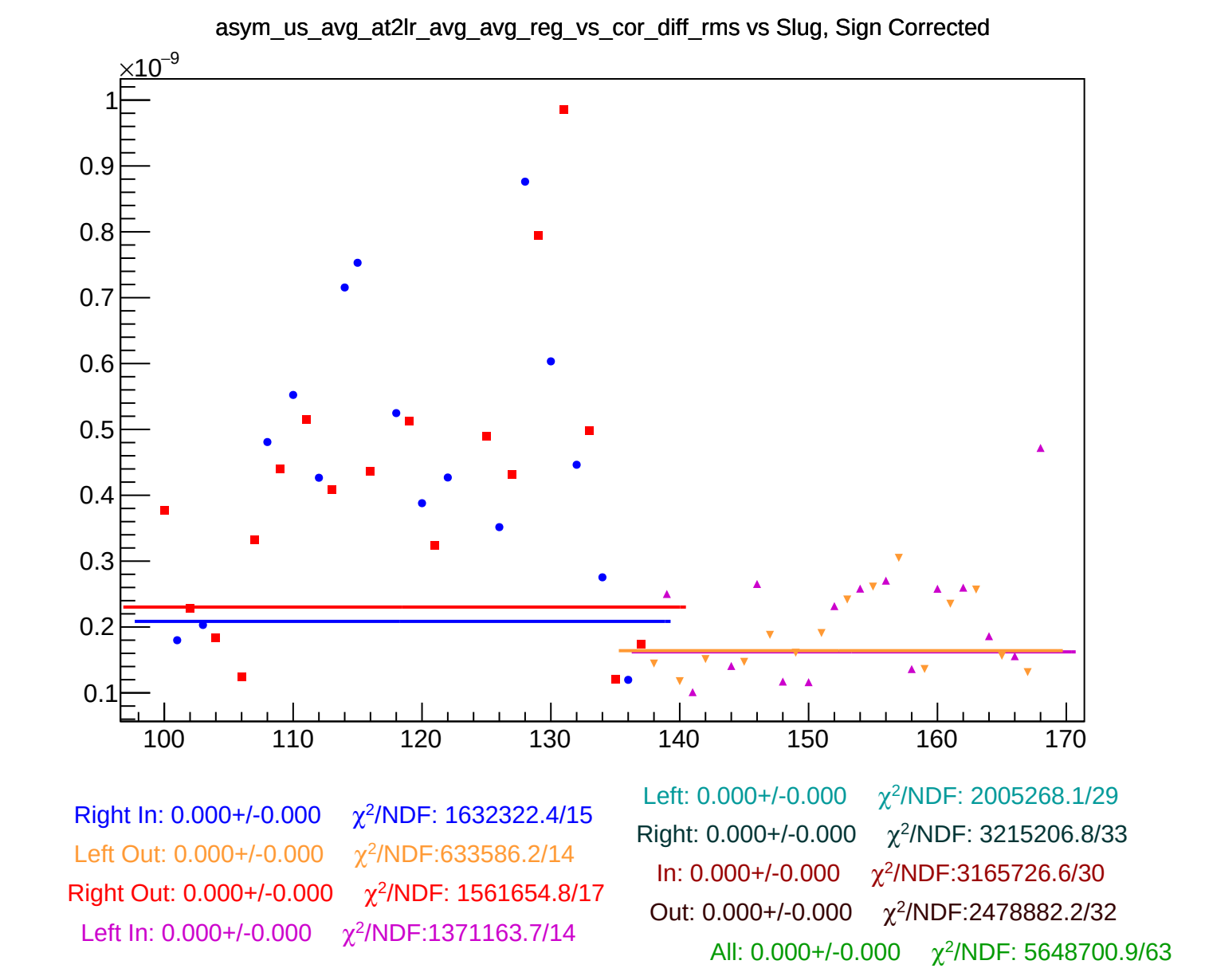
Left: -0.000+/-0.000 χ^2/NDF: 37.7/29

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

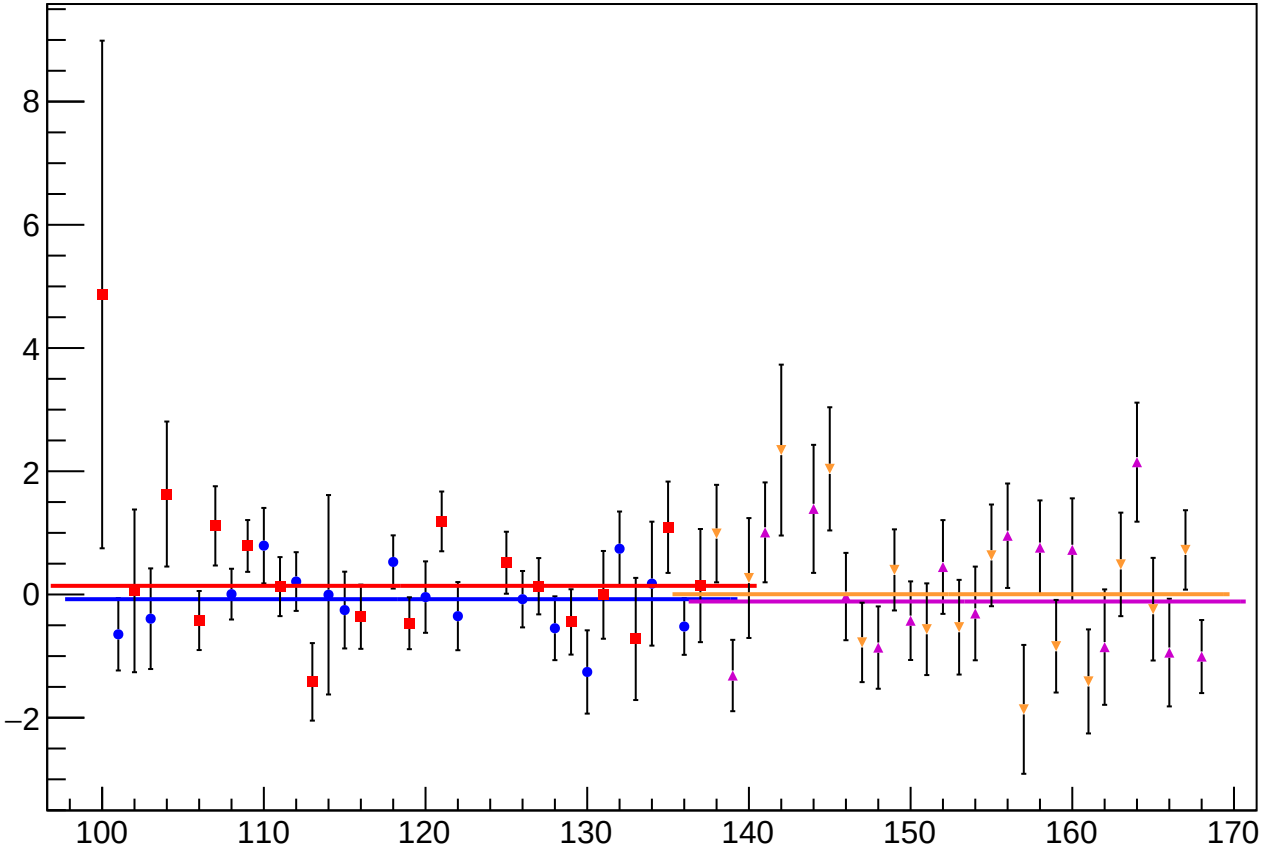
In: -0.000+/-0.000 χ^2/NDF:35.4/30

Out: 0.000+/-0.000 χ^2/NDF:29.9/32

All: -0.000+/-0.000 χ^2/NDF: 65.8/63


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:633586.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:1371163.7/14
Left: 0.000+/-0.000 χ²/NDF: 2005268.1/29
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:3165726.6/30
Out: 0.000+/-0.000 χ²/NDF:2478882.2/32
All: 0.000+/-0.000 χ²/NDF: 5648700.9/63

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: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.114+/-0.194 χ^2/NDF:23.6/14

Left: -0.059+/-0.142 χ^2/NDF: 44.8/29

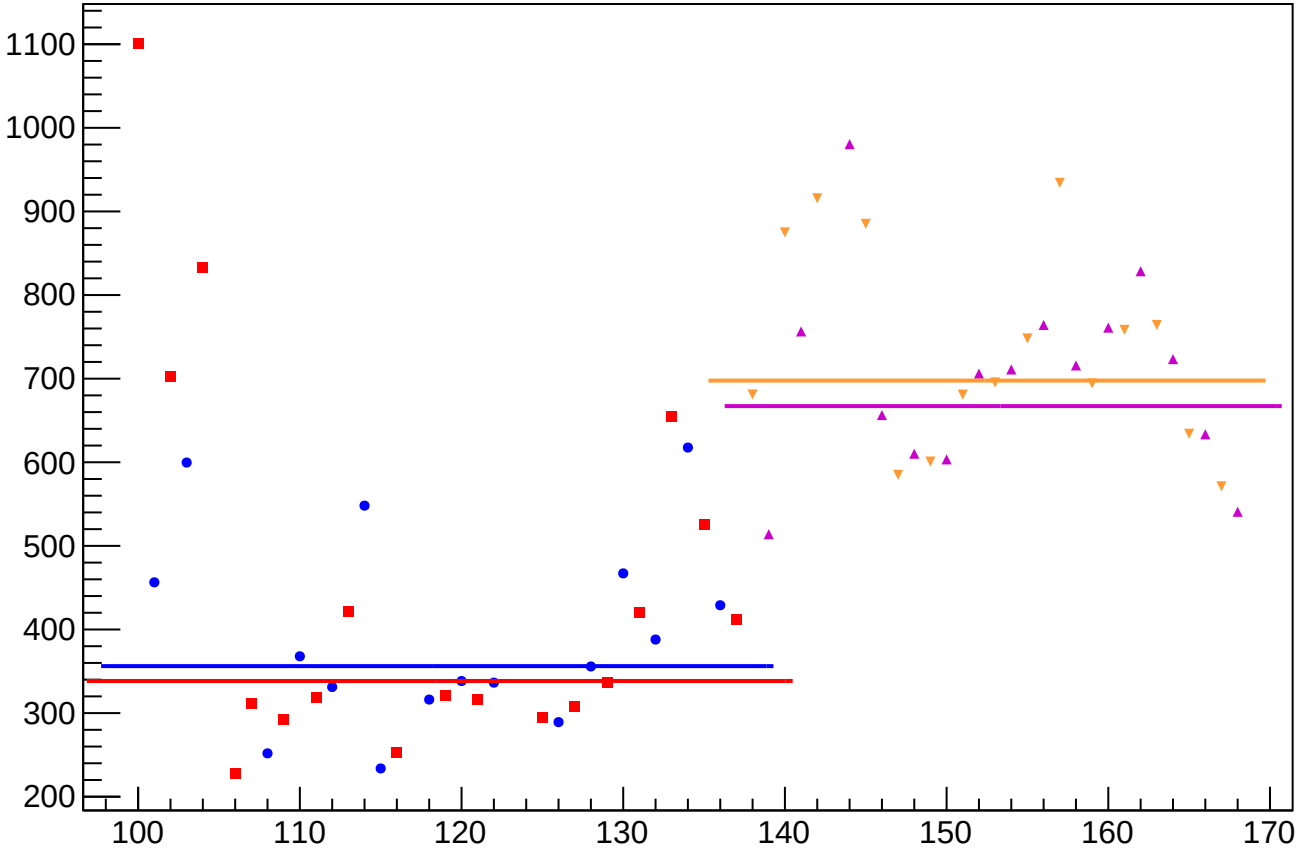
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.114 χ^2/NDF:36.1/30

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.004+/-0.081 χ^2/NDF: 85.8/63

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: 697.696+/-0.147 χ^2/NDF:513908.1/14

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 667.178+/-0.137 χ^2/NDF:612397.2/14

Left: 681.436+/-0.100 χ^2/NDF: 1149341.9/29

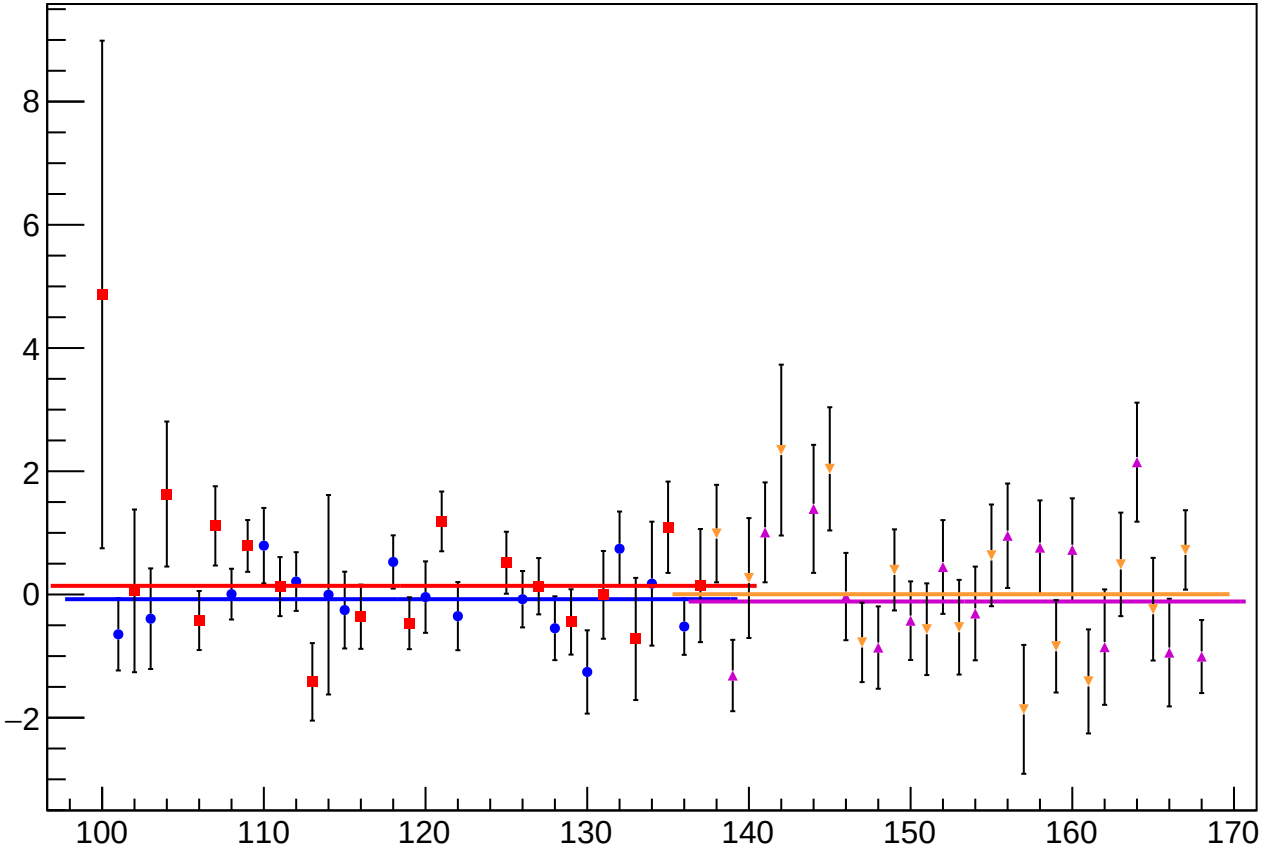
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 462.320+/-0.080 χ^2/NDF:4770179.8/30

Out: 448.511+/-0.081 χ^2/NDF:5873264.2/32

All: 455.498+/-0.057 χ^2/NDF: 10658058.9/63

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: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.114+/-0.194 χ^2/NDF:23.6/14

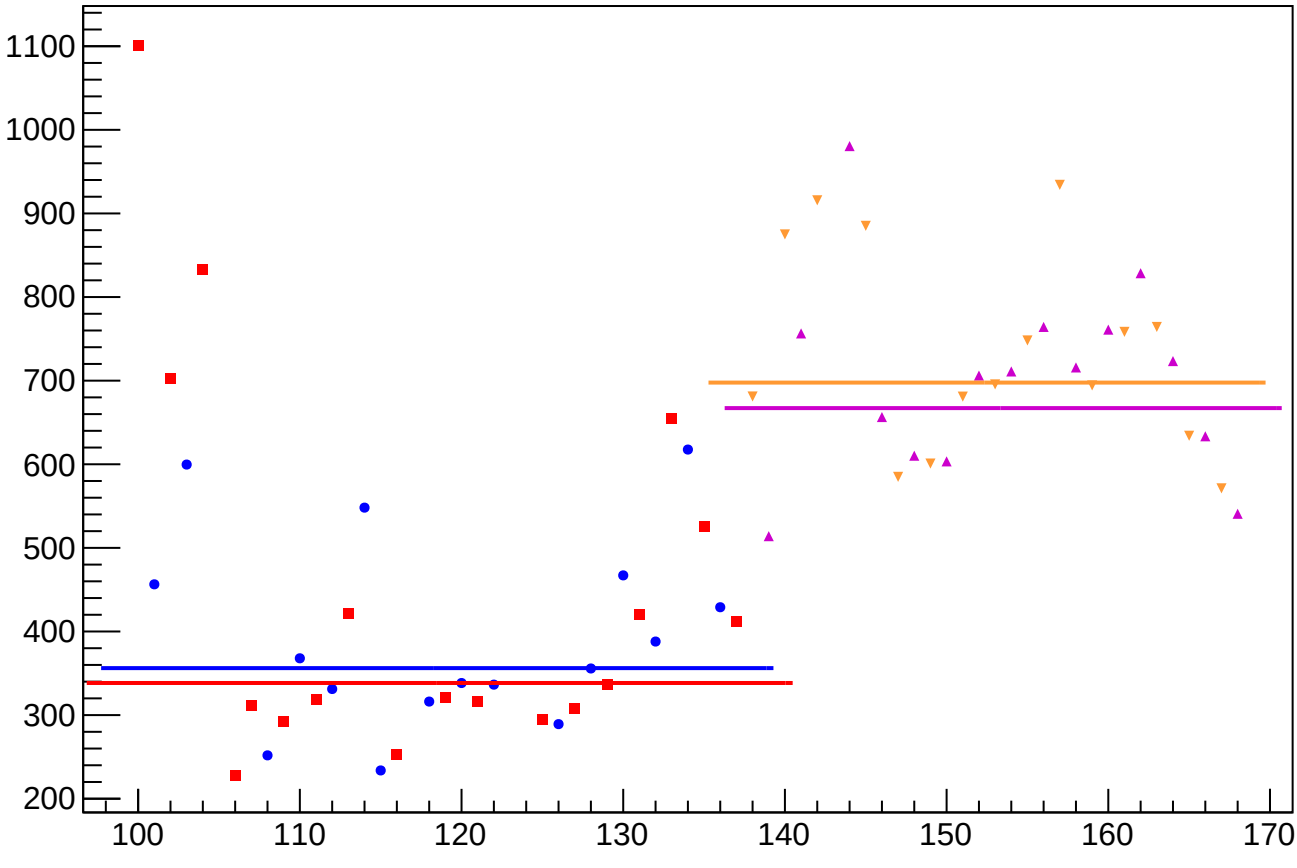
Left: -0.059+/-0.142 χ^2/NDF: 44.8/29

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.114 χ^2/NDF:36.1/30

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.004+/-0.081 χ^2/NDF: 85.8/63



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 697.696+/-0.147 χ^2/NDF:513908.1/14

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 667.178+/-0.137 χ^2/NDF:612397.2/14

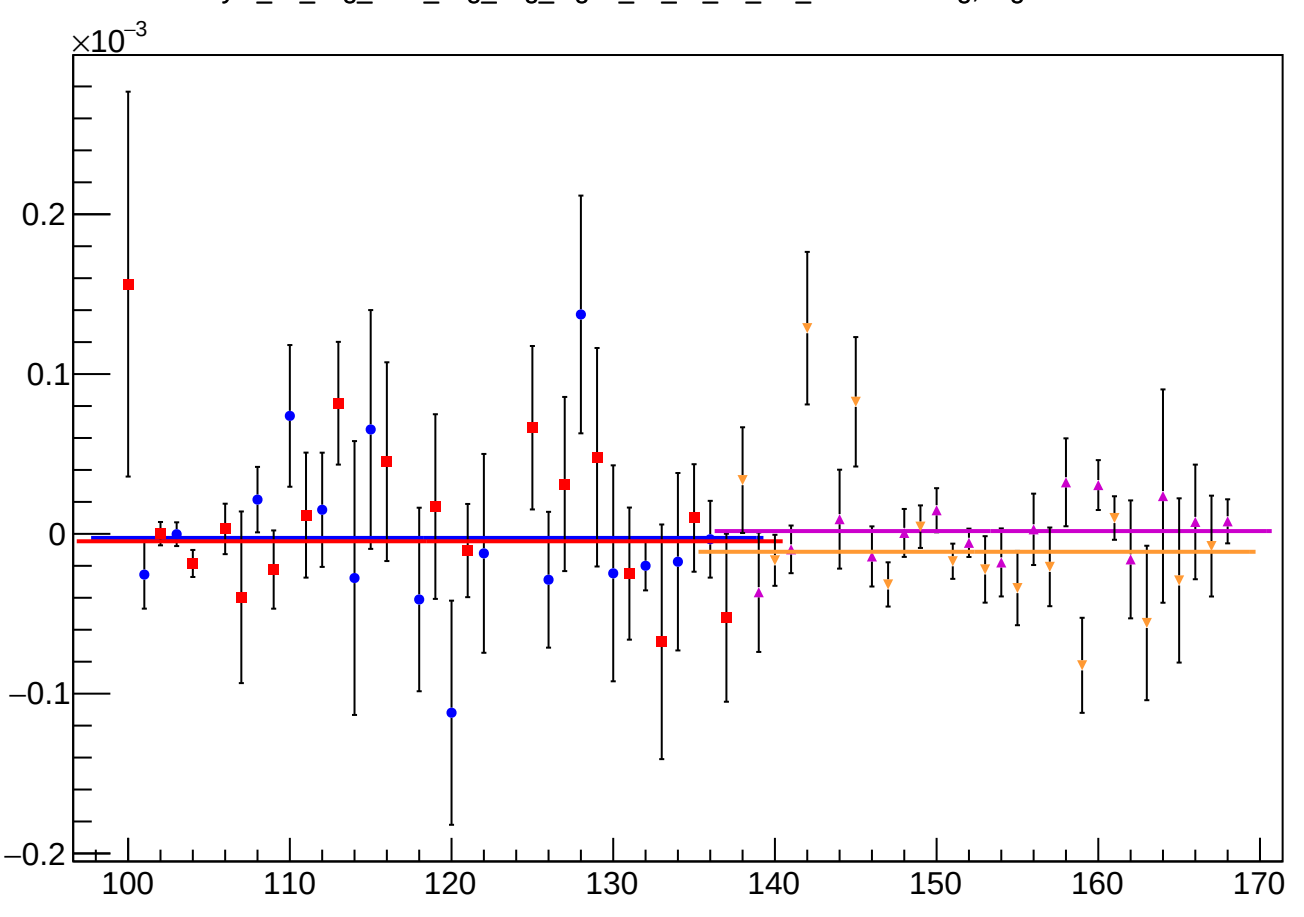
Left: 681.436+/-0.100 χ^2/NDF: 1149341.9/29

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 462.320+/-0.080 χ^2/NDF:4770179.8/30

Out: 448.511+/-0.081 χ^2/NDF:5873264.2/32

All: 455.498+/-0.057 χ^2/NDF: 10658058.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/14

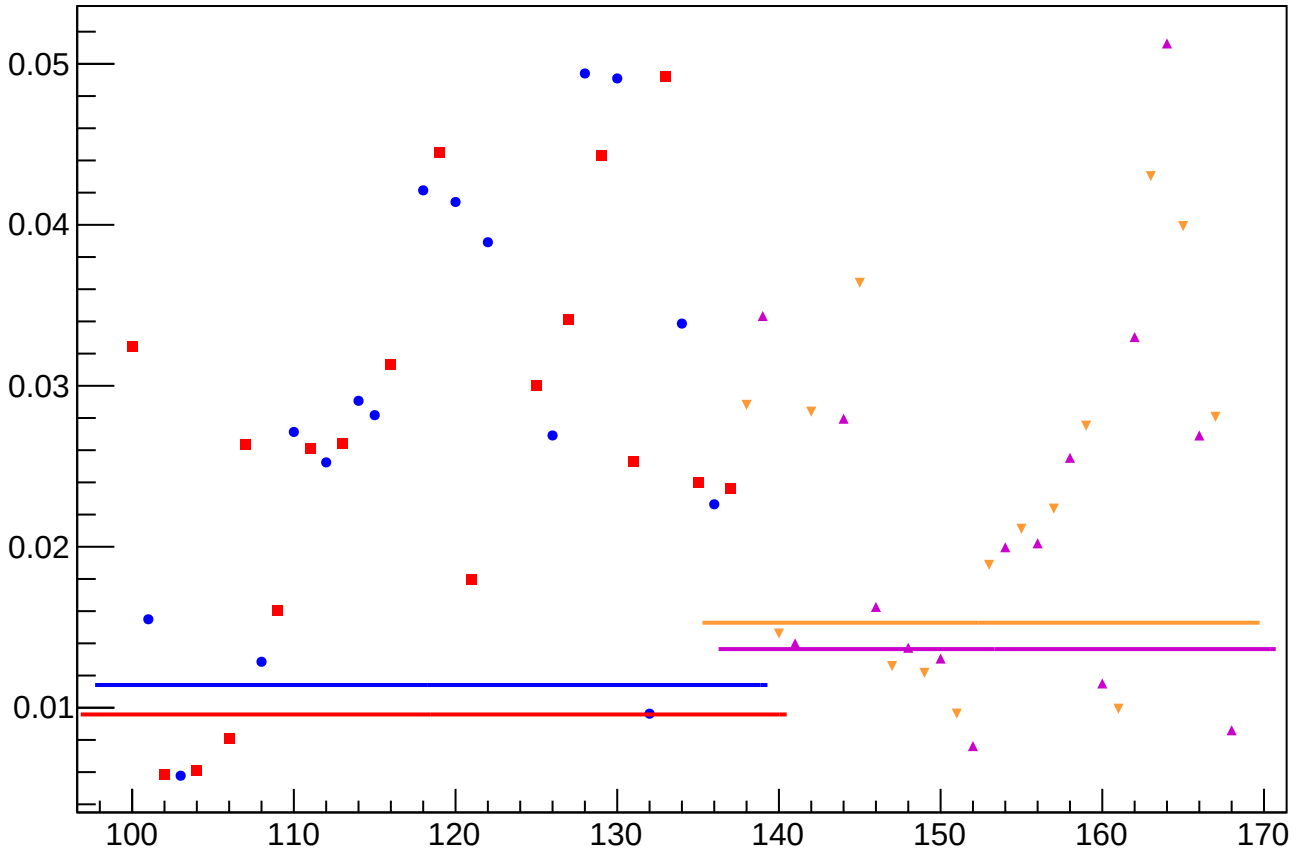
Left: -0.000+/-0.000 χ^2/NDF: 43.9/29

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:25.4/30

Out: -0.000+/-0.000 χ^2/NDF:48.3/32

All: -0.000+/-0.000 χ^2/NDF: 76.1/63



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:4188425.1/14

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:4496545.3/14

Left: 0.014+/-0.000 χ^2/NDF: 8800986.3/29

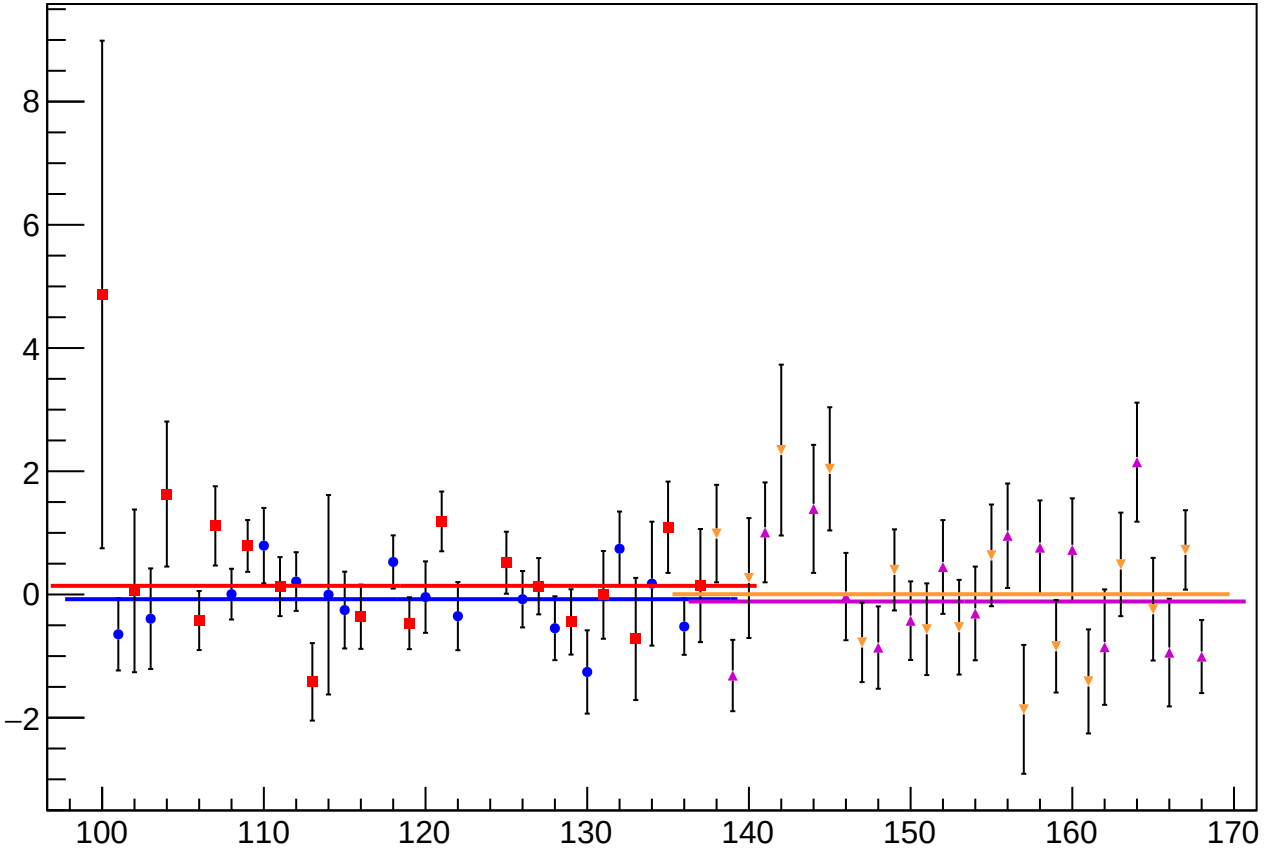
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:10189679.9/30

Out: 0.012+/-0.000 χ^2/NDF:11334384.8/32

All: 0.012+/-0.000 χ^2/NDF: 21545306.5/63

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: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.114+/-0.194 χ^2/NDF:23.6/14

Left: -0.059+/-0.142 χ^2/NDF: 44.8/29

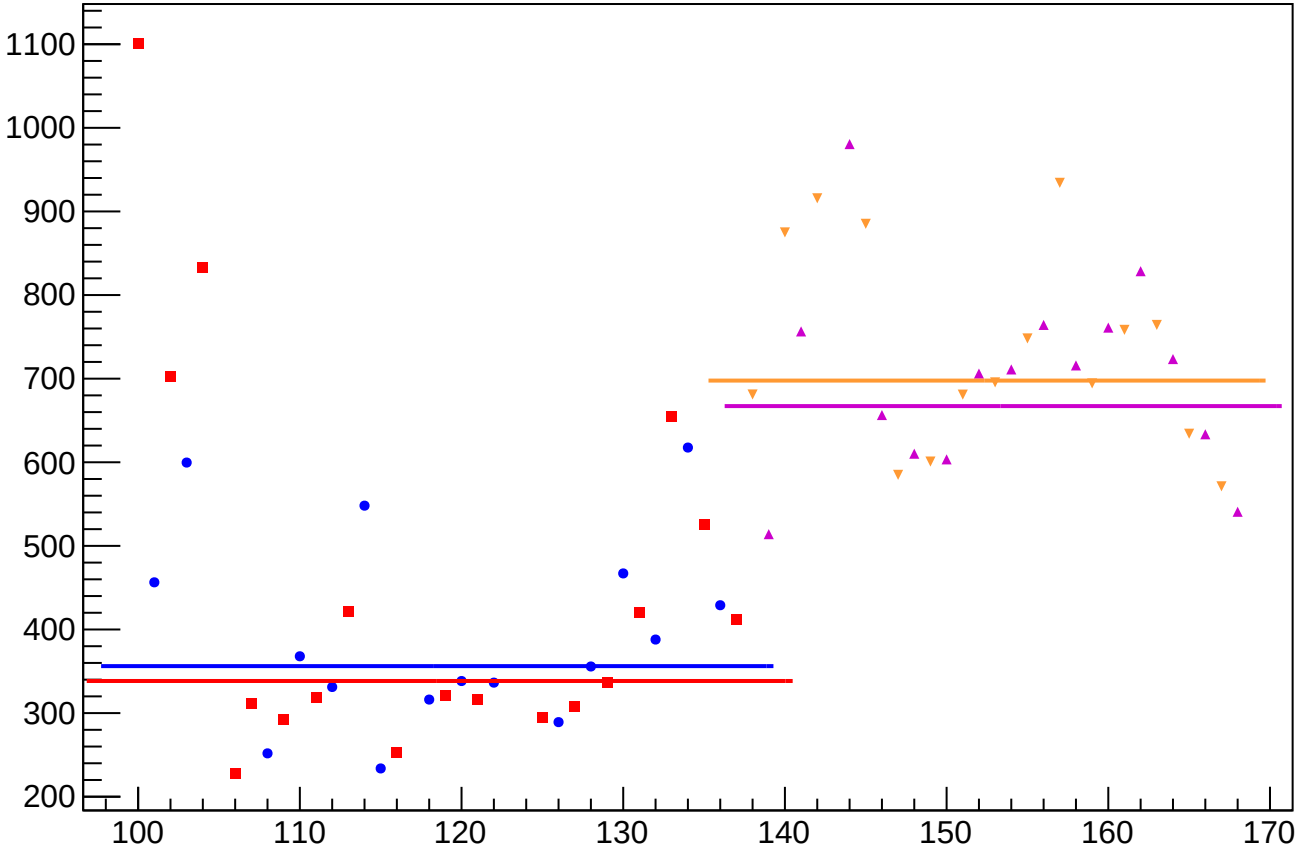
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.114 χ^2/NDF:36.1/30

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.004+/-0.081 χ^2/NDF: 85.8/63

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: 697.707+/-0.147 χ^2/NDF:513922.0/14

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 667.189+/-0.137 χ^2/NDF:612390.1/14

Left: 681.447+/-0.100 χ^2/NDF: 1149347.2/29

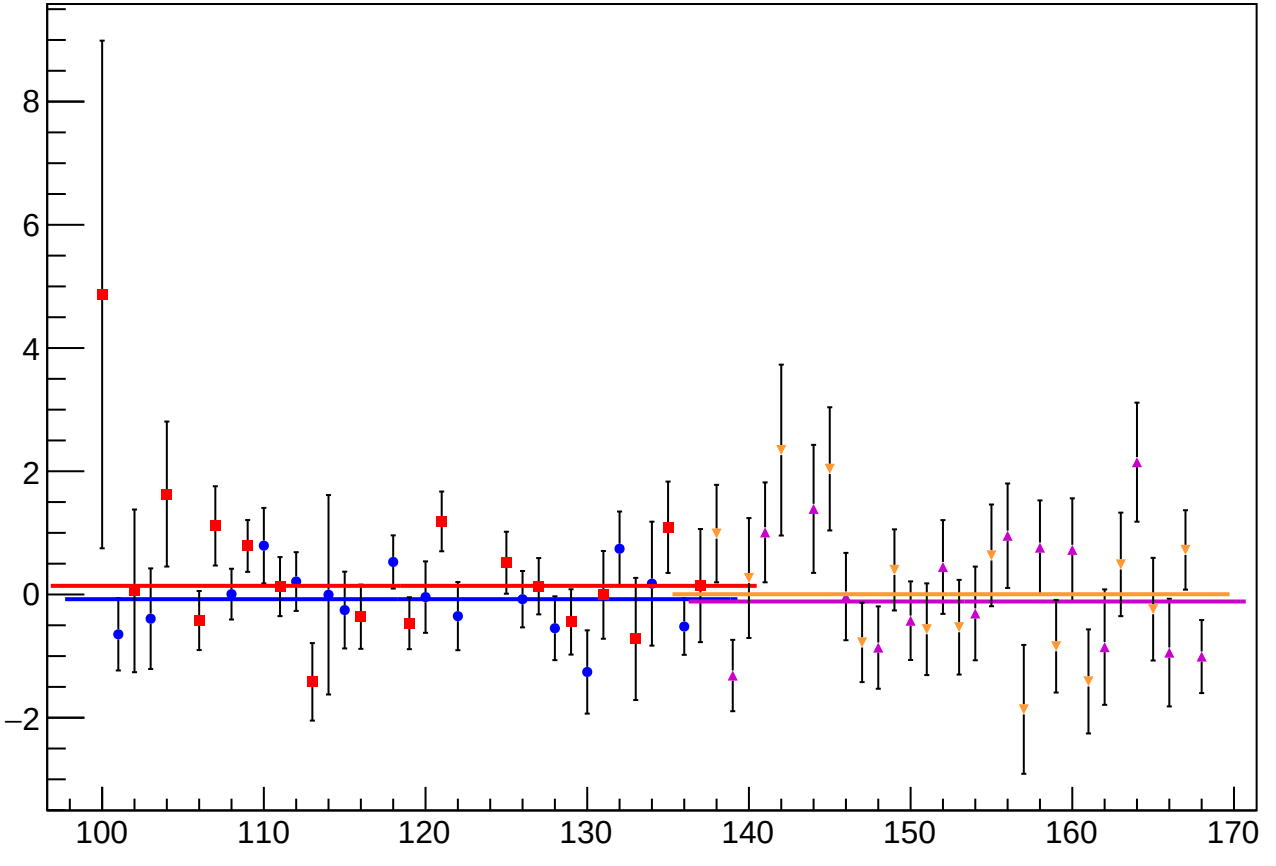
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.320+/-0.080 χ^2/NDF:4770348.9/30

Out: 448.510+/-0.081 χ^2/NDF:5873481.5/32

All: 455.497+/-0.057 χ^2/NDF: 10658448.3/63

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: 0.004+/-0.208 χ^2/NDF:21.0/14

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.114+/-0.194 χ^2/NDF:23.6/14

Left: -0.059+/-0.142 χ^2/NDF: 44.8/29

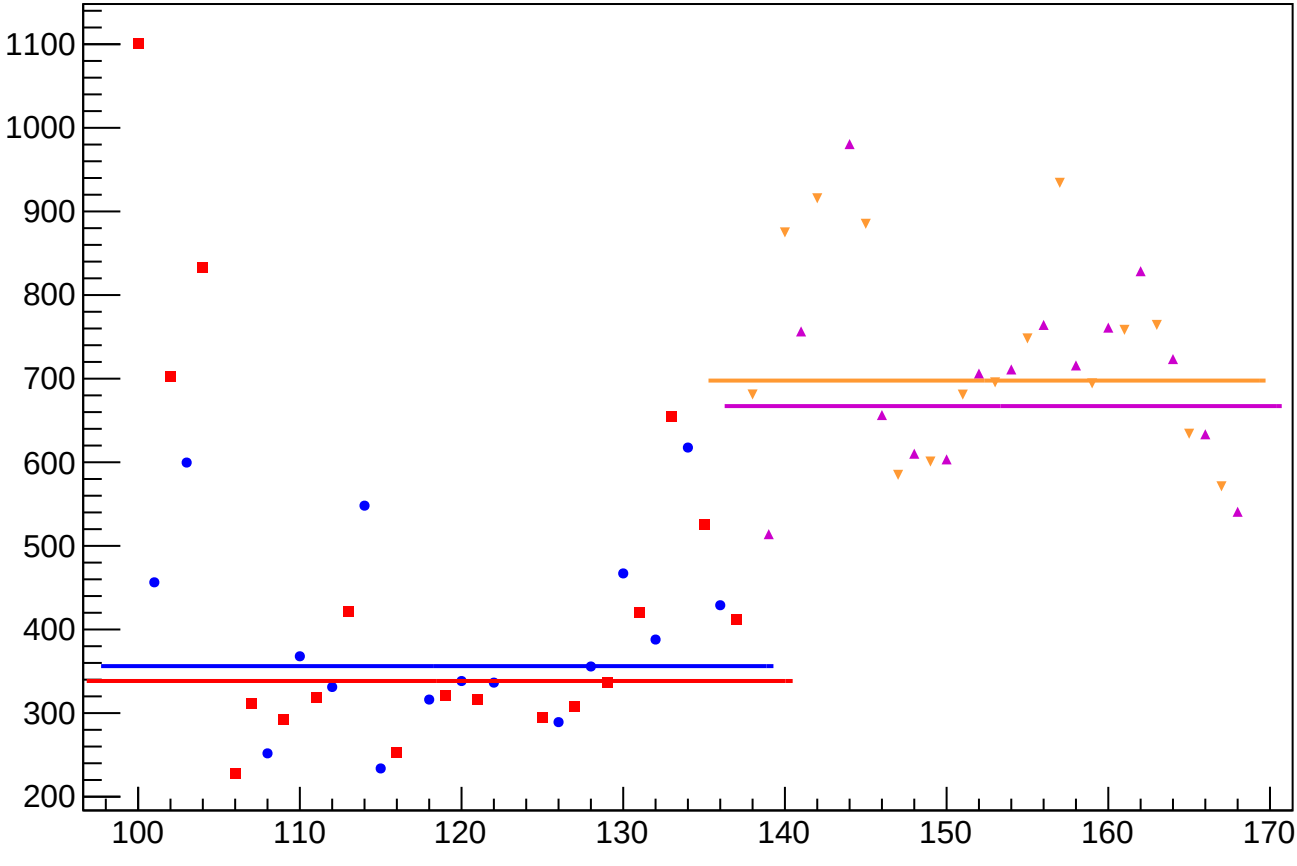
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.114 χ^2/NDF:36.1/30

Out: 0.099+/-0.115 χ^2/NDF:48.3/32

All: 0.004+/-0.081 χ^2/NDF: 85.8/63

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: 697.707+/-0.147 χ^2/NDF:513922.0/14

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 667.189+/-0.137 χ^2/NDF:612390.1/14

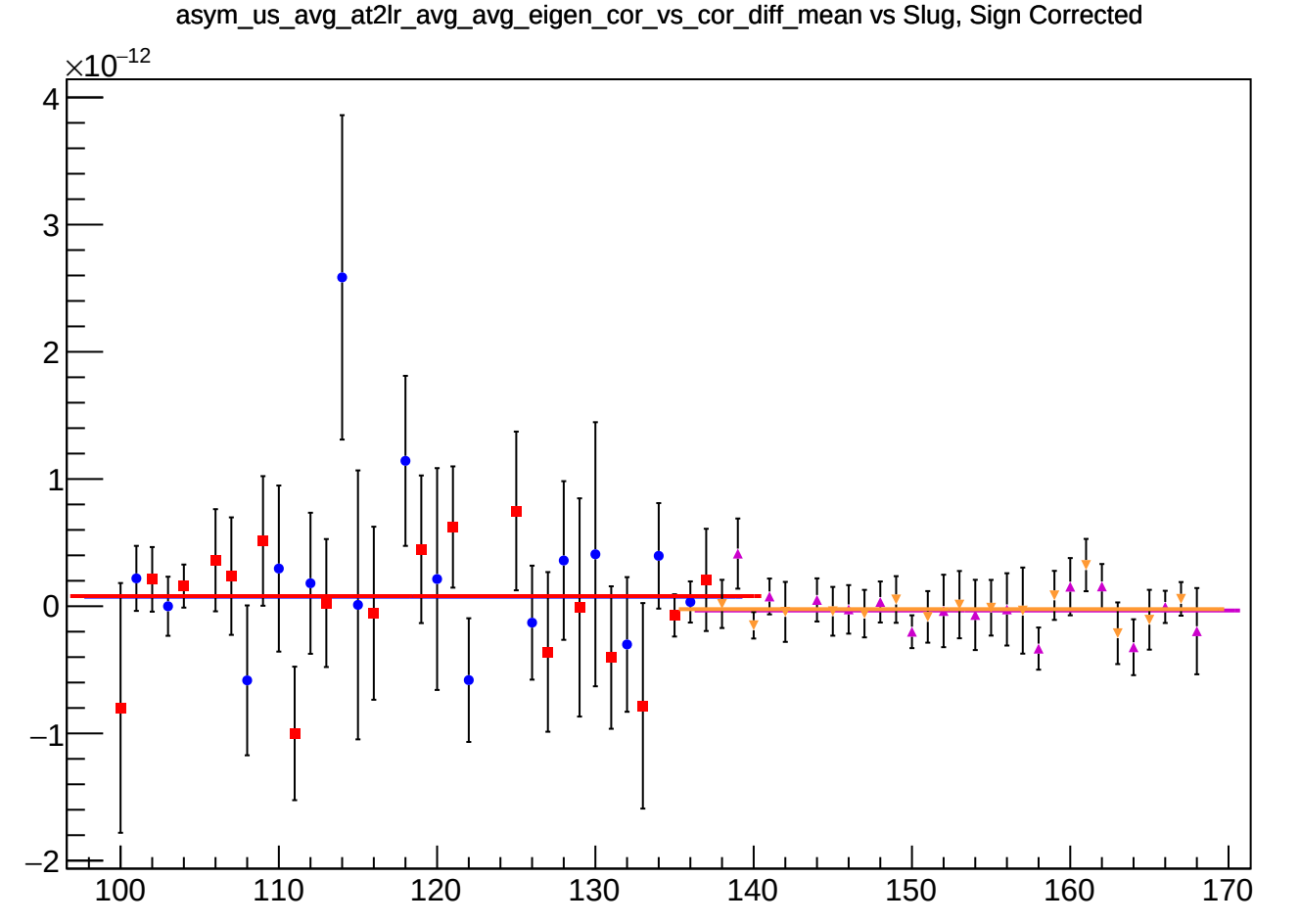
Left: 681.447+/-0.100 χ^2/NDF: 1149347.2/29

Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.320+/-0.080 χ^2/NDF:4770348.9/30

Out: 448.510+/-0.081 χ^2/NDF:5873481.5/32

All: 455.497+/-0.057 χ^2/NDF: 10658448.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/14

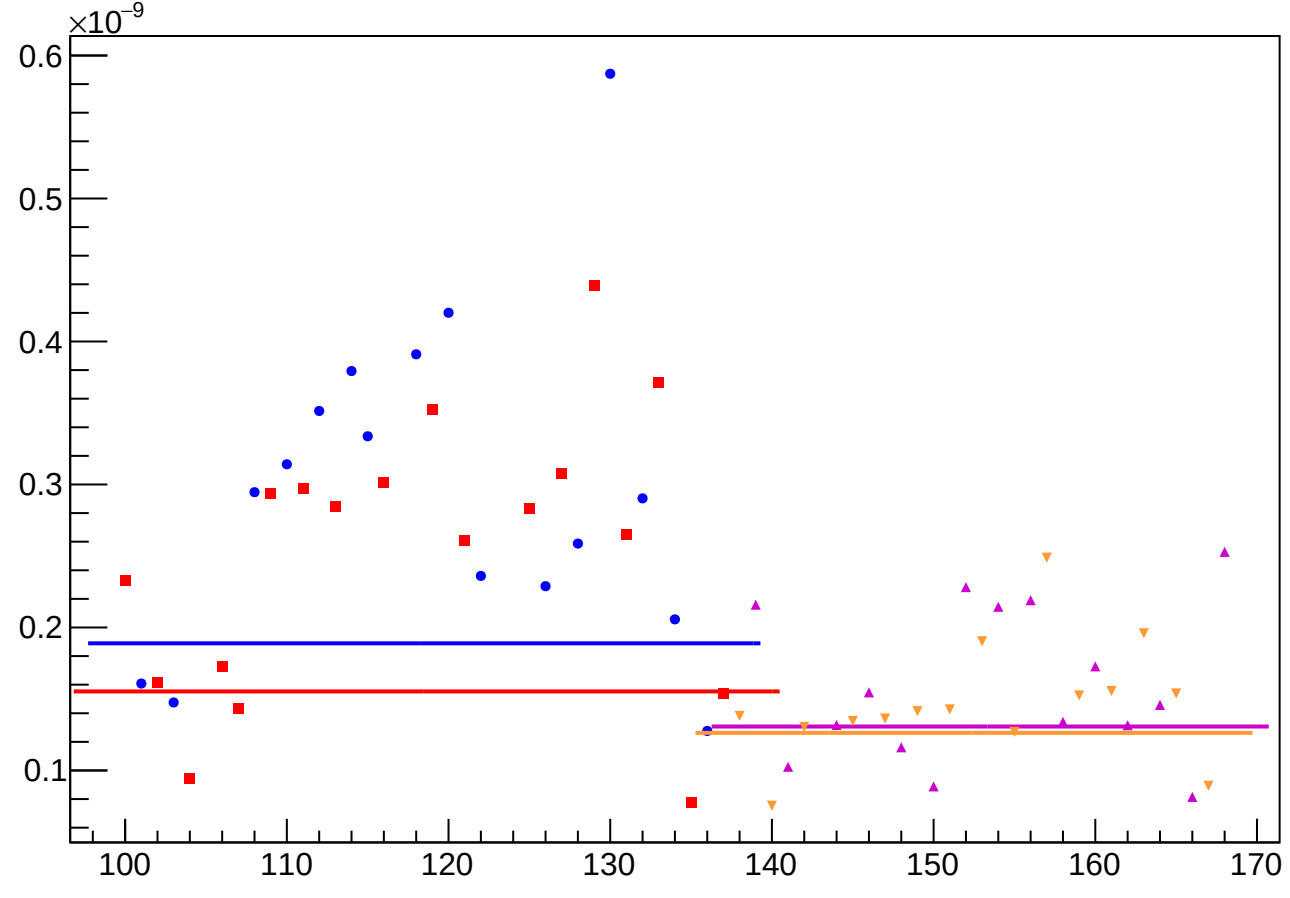
Left: -0.000+/-0.000 χ^2/NDF: 18.6/29

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:25.3/30

Out: 0.000+/-0.000 χ^2/NDF:20.3/32

All: -0.000+/-0.000 χ^2/NDF: 45.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1331503.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1782944.0/14

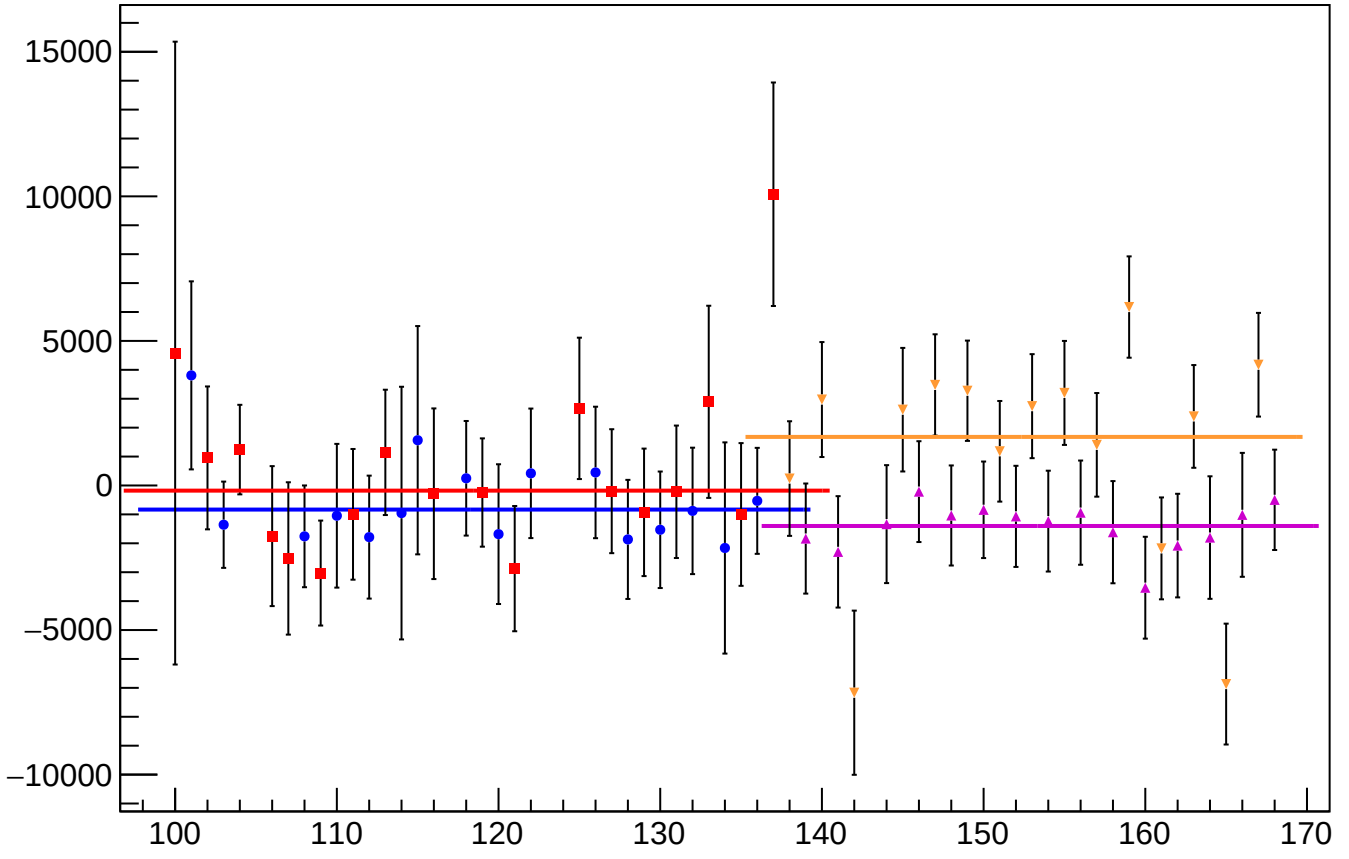
Left: 0.000+/-0.000 χ^2/NDF: 3123066.7/29

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3889663.4/30

Out: 0.000+/-0.000 χ^2/NDF:3707056.3/32

All: 0.000+/-0.000 χ^2/NDF: 7641012.8/63



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1679.750+/-483.772 χ^2/NDF:44.1/14

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1400.996+/-471.549 χ^2/NDF:3.0/14

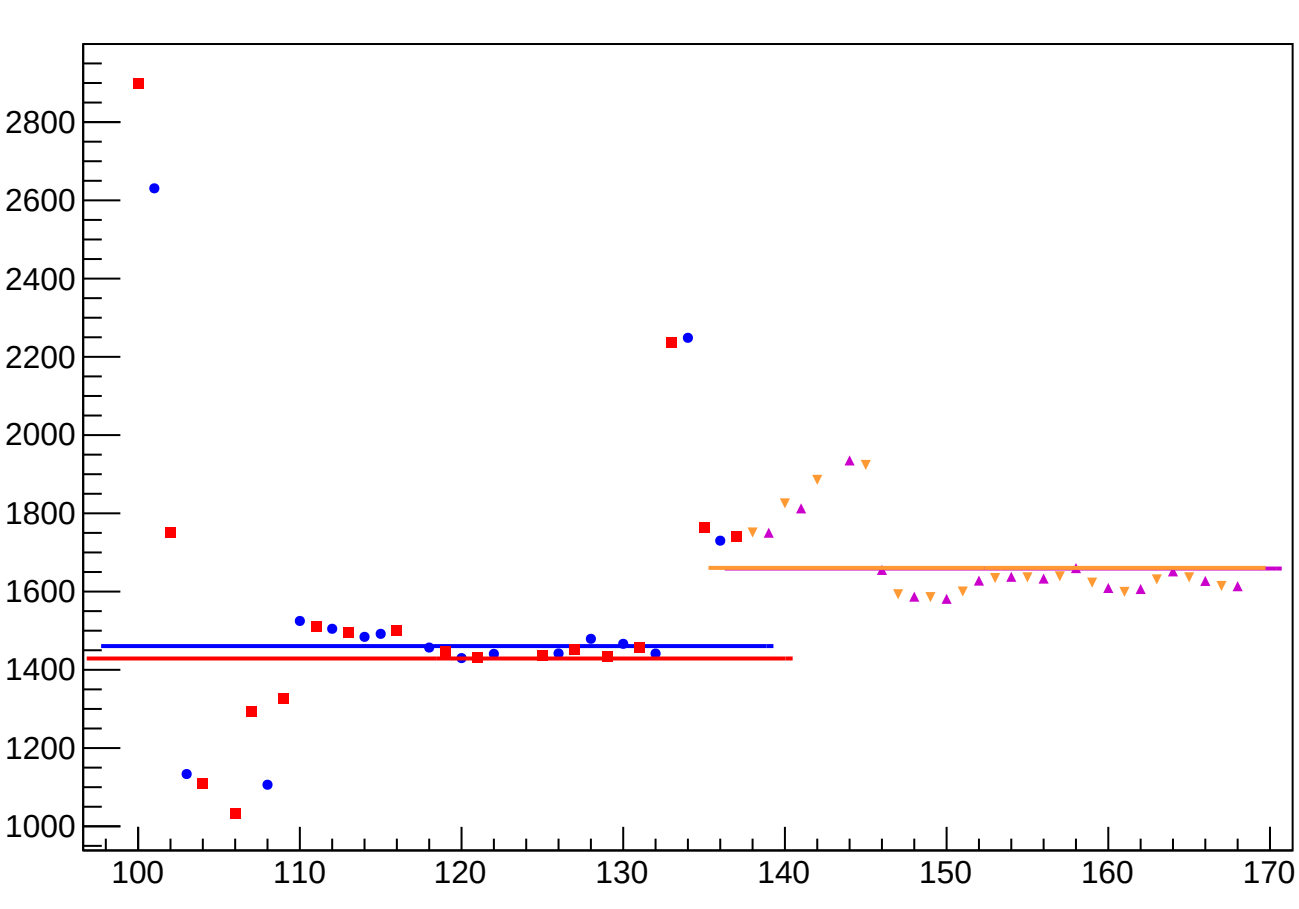
Left: 99.965+/-337.674 χ^2/NDF: 67.9/29

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1162.987+/-359.310 χ^2/NDF:8.2/30

Out: 865.651+/-362.620 χ^2/NDF:67.0/32

All: -157.967+/-255.233 χ^2/NDF: 91.0/63



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

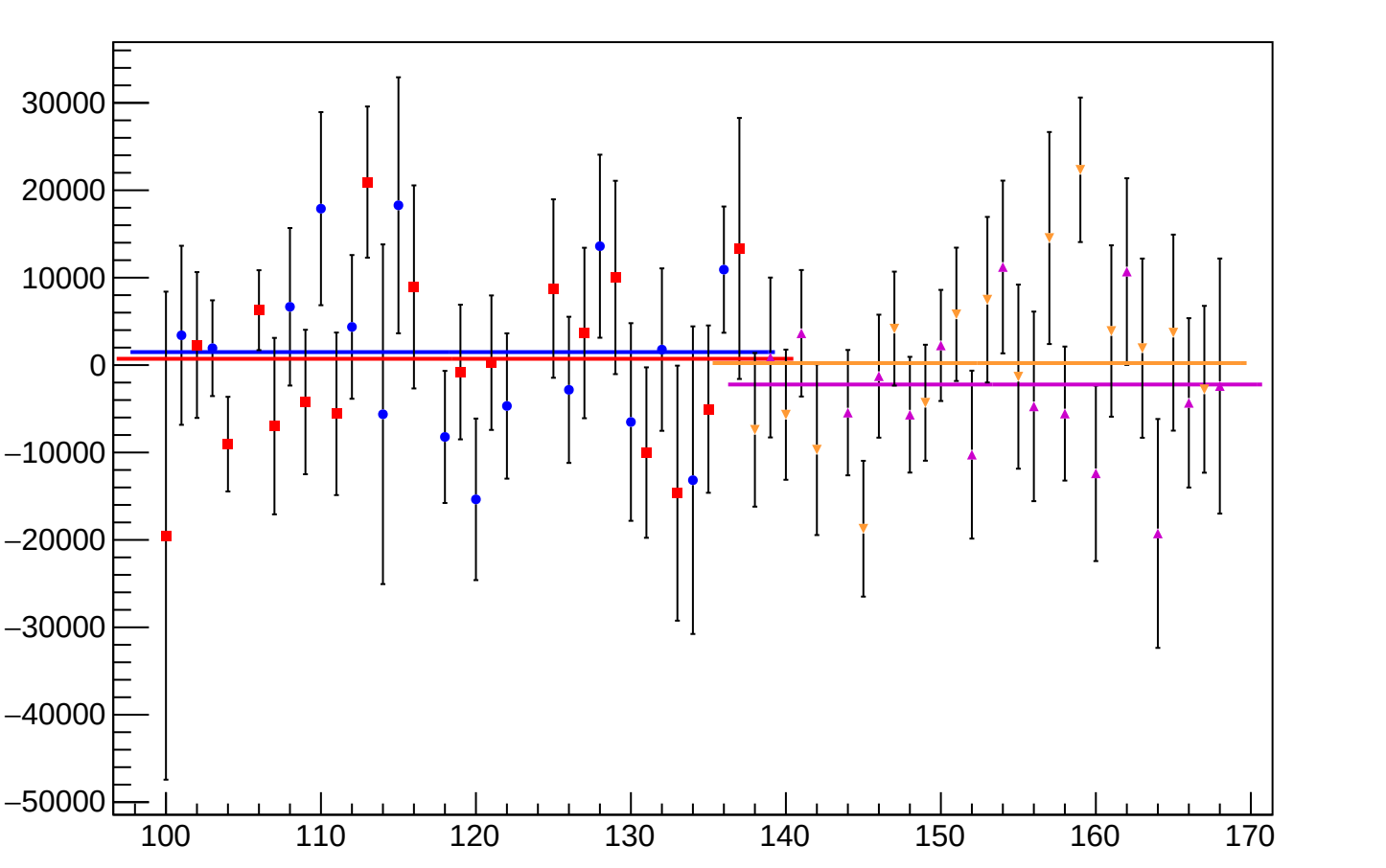
Left: 1659.695+/-0.239 χ^2/NDF: 144728.4/29

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1575.750+/-0.254 χ^2/NDF:792216.0/30

Out: 1558.222+/-0.256 χ^2/NDF:690265.4/32

All: 1567.038+/-0.180 χ^2/NDF: 1484847.2/63



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 227.166+/-2225.307 χ^2/NDF:19.2/14

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -2220.843+/-2209.896 χ^2/NDF:8.8/14

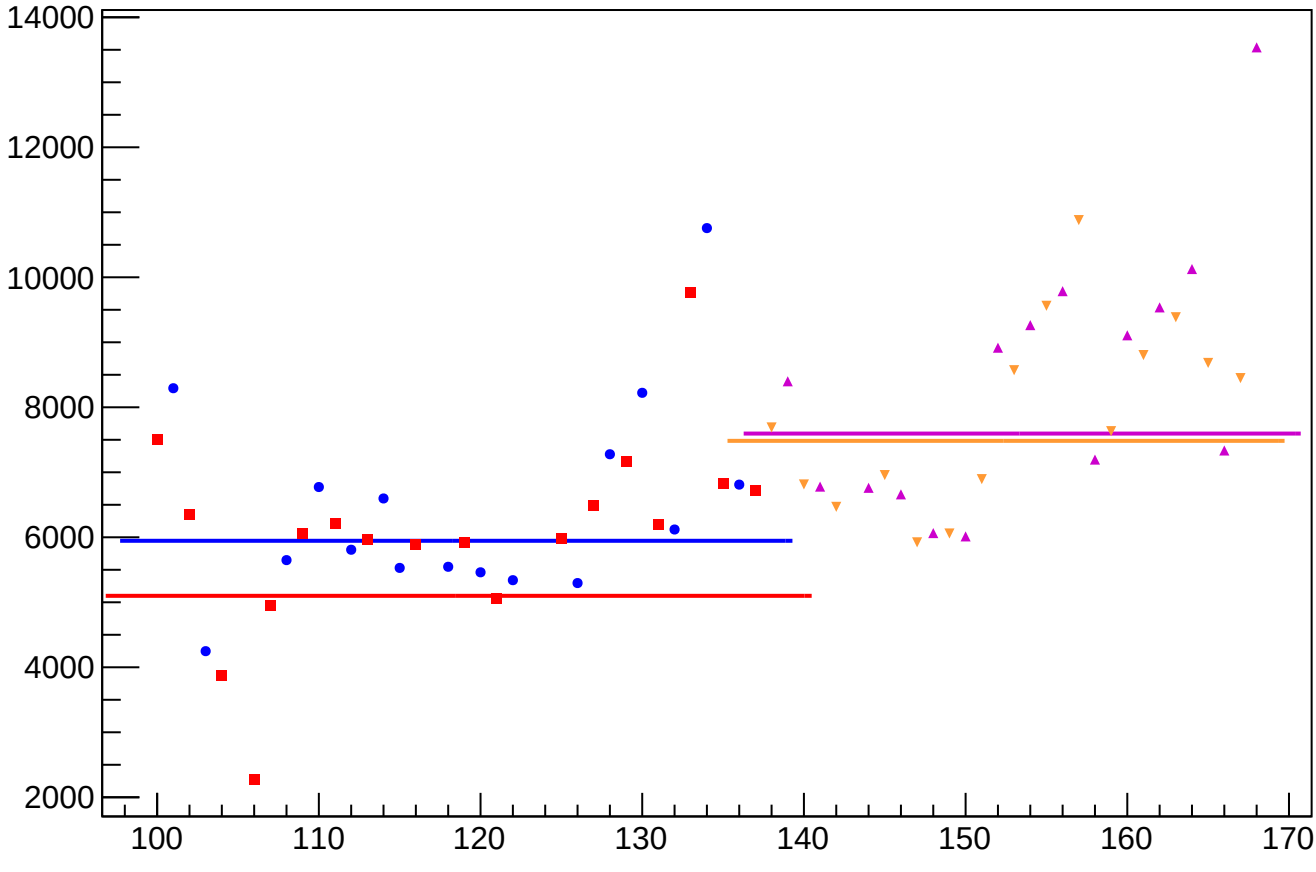
Left: -1005.345+/-1568.053 χ^2/NDF: 28.6/29

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -414.835+/-1582.785 χ^2/NDF:24.3/30

Out: 498.474+/-1492.248 χ^2/NDF:36.8/32

All: 68.687+/-1085.775 χ^2/NDF: 61.3/63



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7483.711+/-1.574 χ^2/NDF:677296.1/14

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7595.719+/-1.563 χ^2/NDF:1035486.4/14

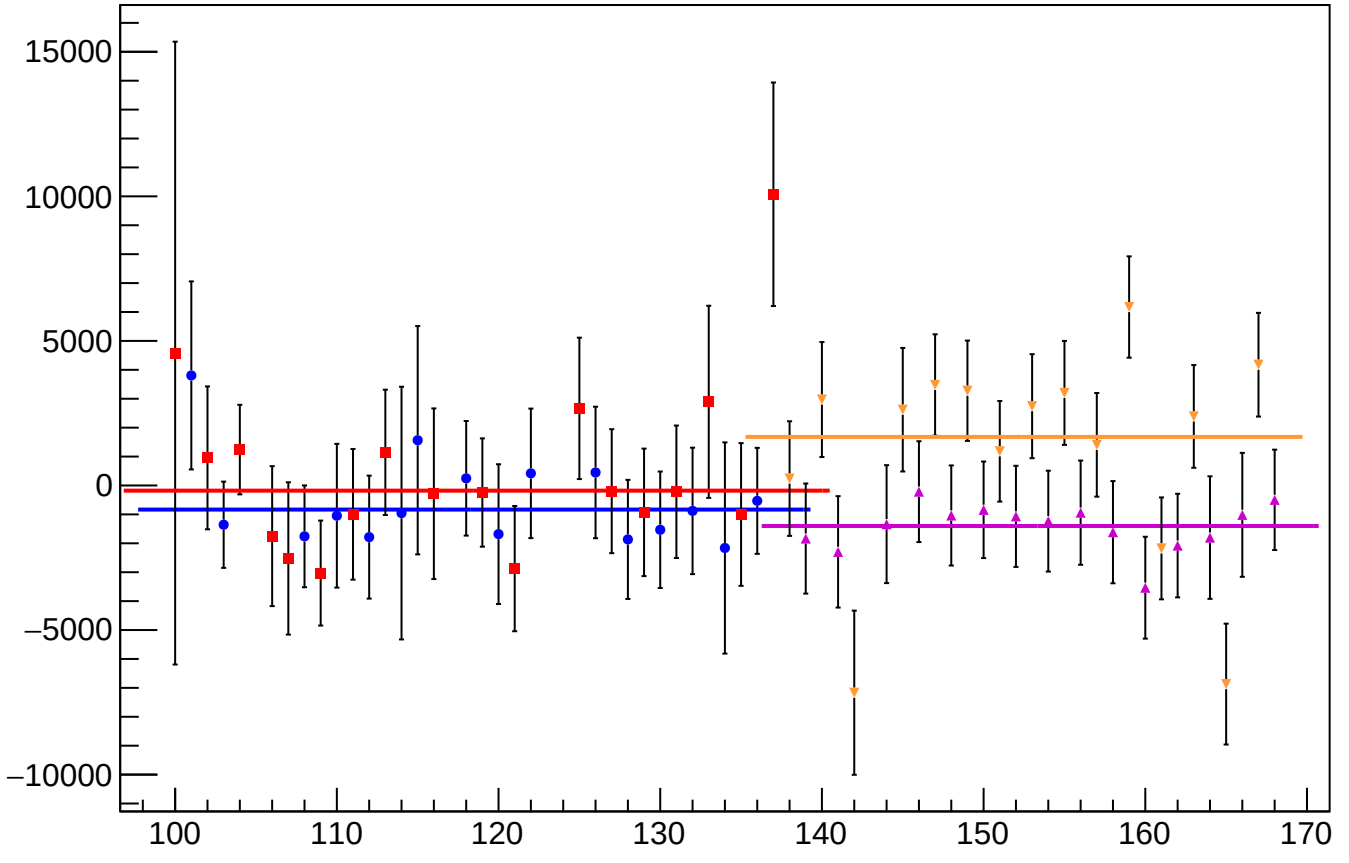
Left: 7540.104+/-1.109 χ^2/NDF: 1715333.6/29

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6792.311+/-1.119 χ^2/NDF:2219381.9/30

Out: 6171.559+/-1.055 χ^2/NDF:3421240.7/32

All: 6463.674+/-0.768 χ^2/NDF: 5803484.7/63



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1679.829+/-483.772 χ^2/NDF:44.1/14

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1400.988+/-471.549 χ^2/NDF:3.0/14

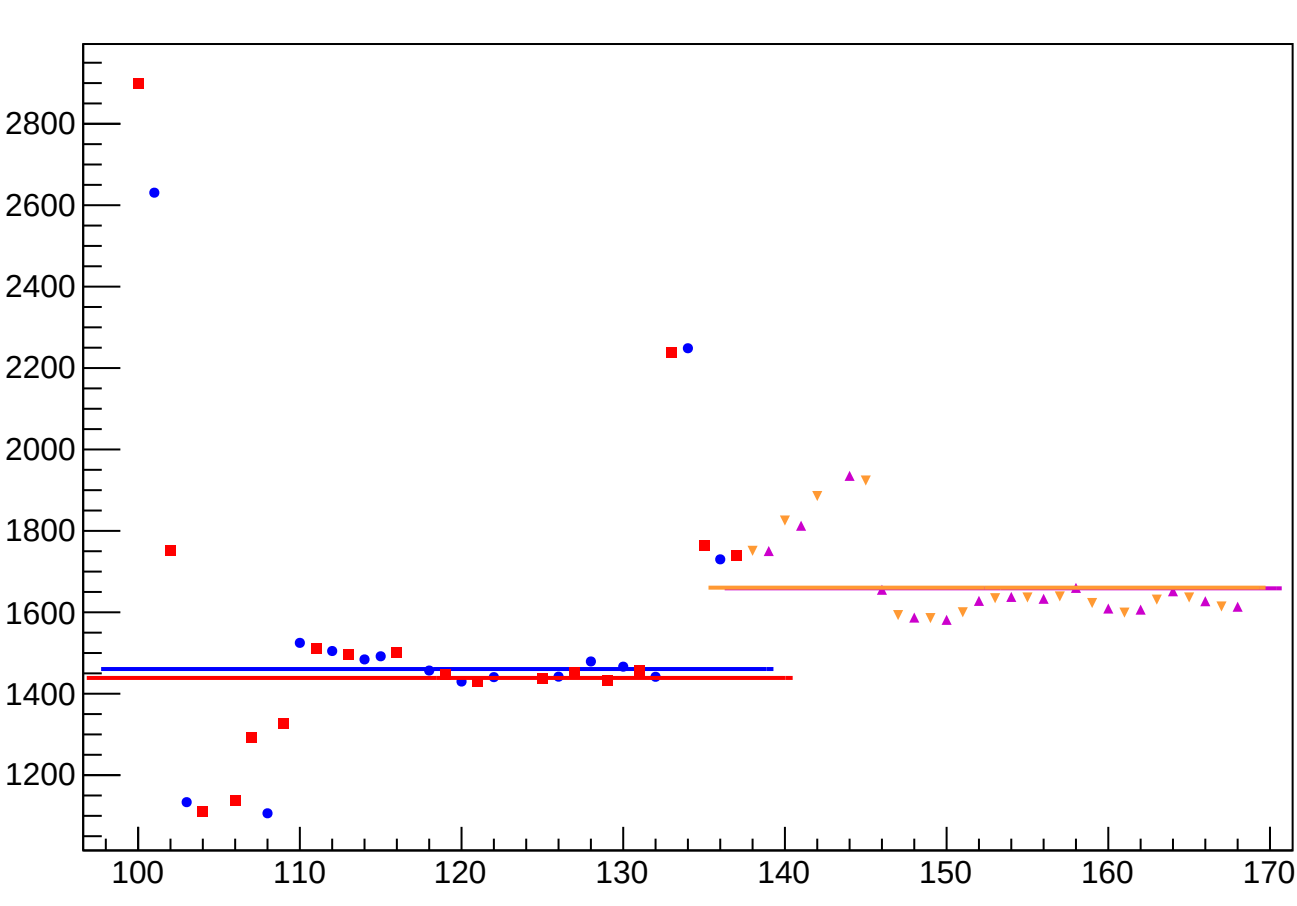
Left: 100.007+/-337.674 χ^2/NDF: 67.9/29

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1163.009+/-359.310 χ^2/NDF:8.2/30

Out: 865.765+/-362.620 χ^2/NDF:67.0/32

All: -157.921+/-255.233 χ^2/NDF: 91.0/63



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

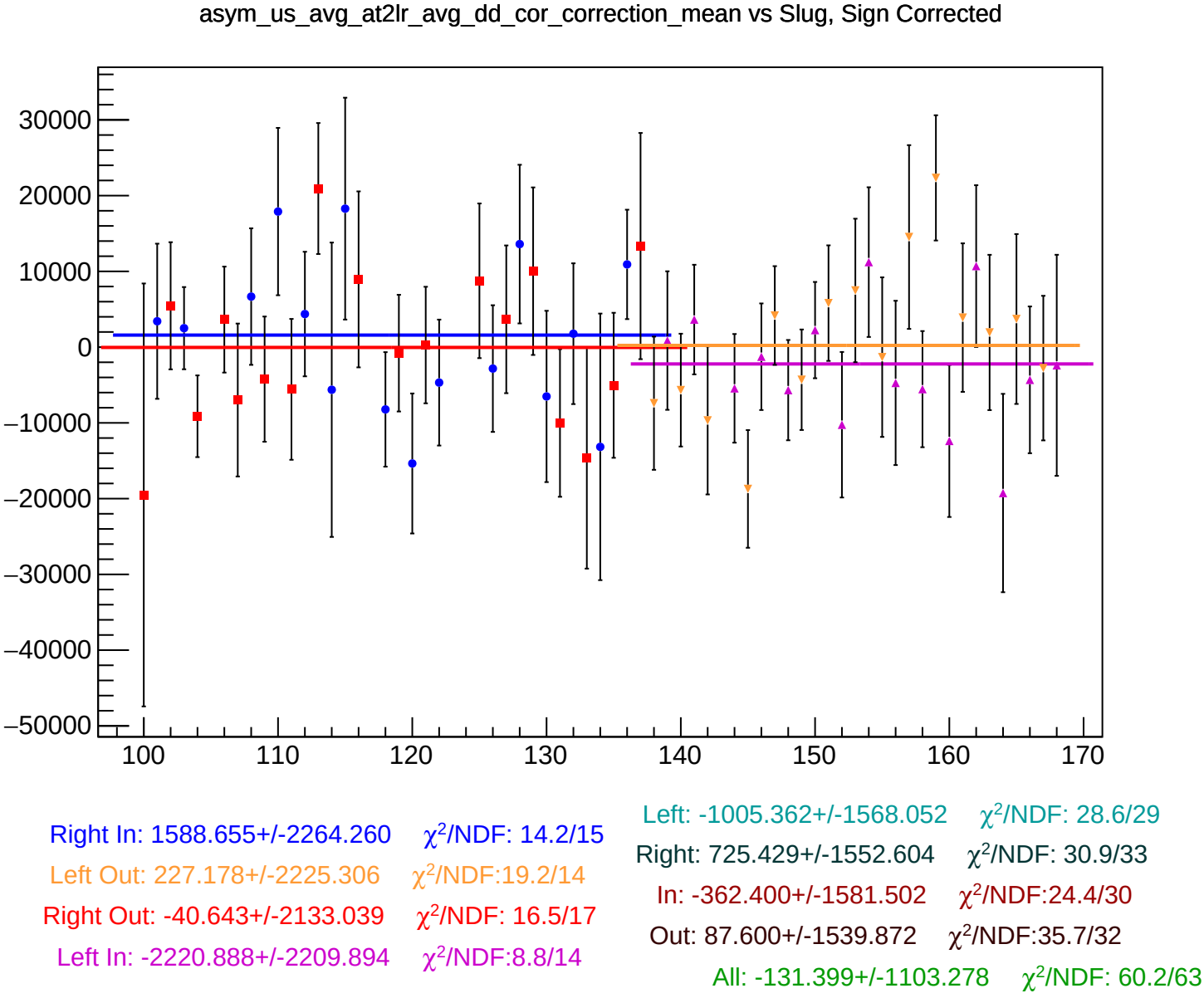
Left: 1659.695+/-0.239 χ^2/NDF: 144728.4/29

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1575.750+/-0.254 χ^2/NDF:792216.5/30

Out: 1563.122+/-0.256 χ^2/NDF:634488.7/32

All: 1569.488+/-0.180 χ^2/NDF: 1427930.3/63


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
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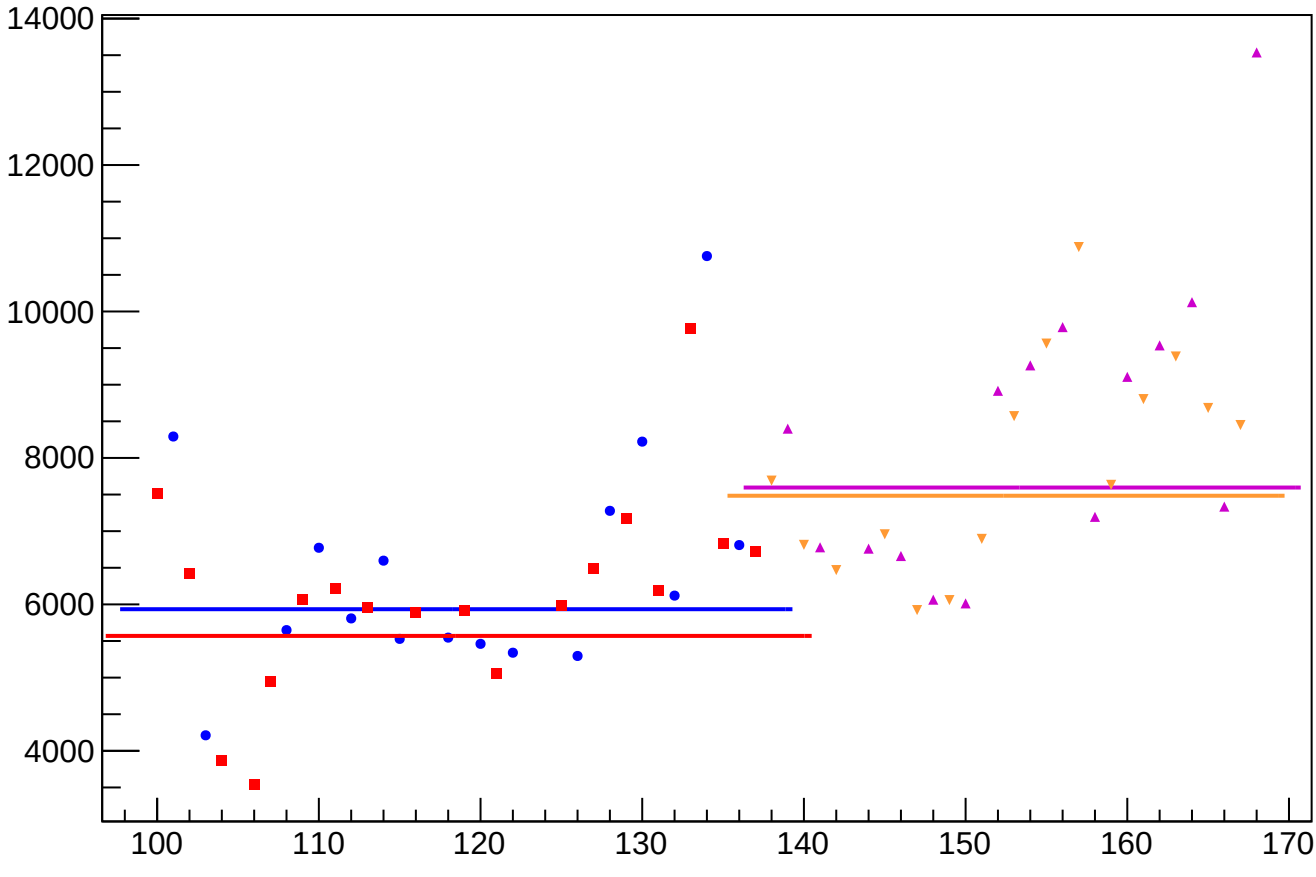
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 227.178+/-2225.306 χ²/NDF:19.2/14
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2220.888+/-2209.894 χ²/NDF:8.8/14
Left: -1005.362+/-1568.052 χ²/NDF: 28.6/29
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -362.400+/-1581.502 χ²/NDF:24.4/30
Out: 87.600+/-1539.872 χ²/NDF:35.7/32
All: -131.399+/-1103.278 χ²/NDF: 60.2/63



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7483.709+/-1.574 χ^2/NDF:677297.3/14

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7595.712+/-1.563 χ^2/NDF:1035489.4/14

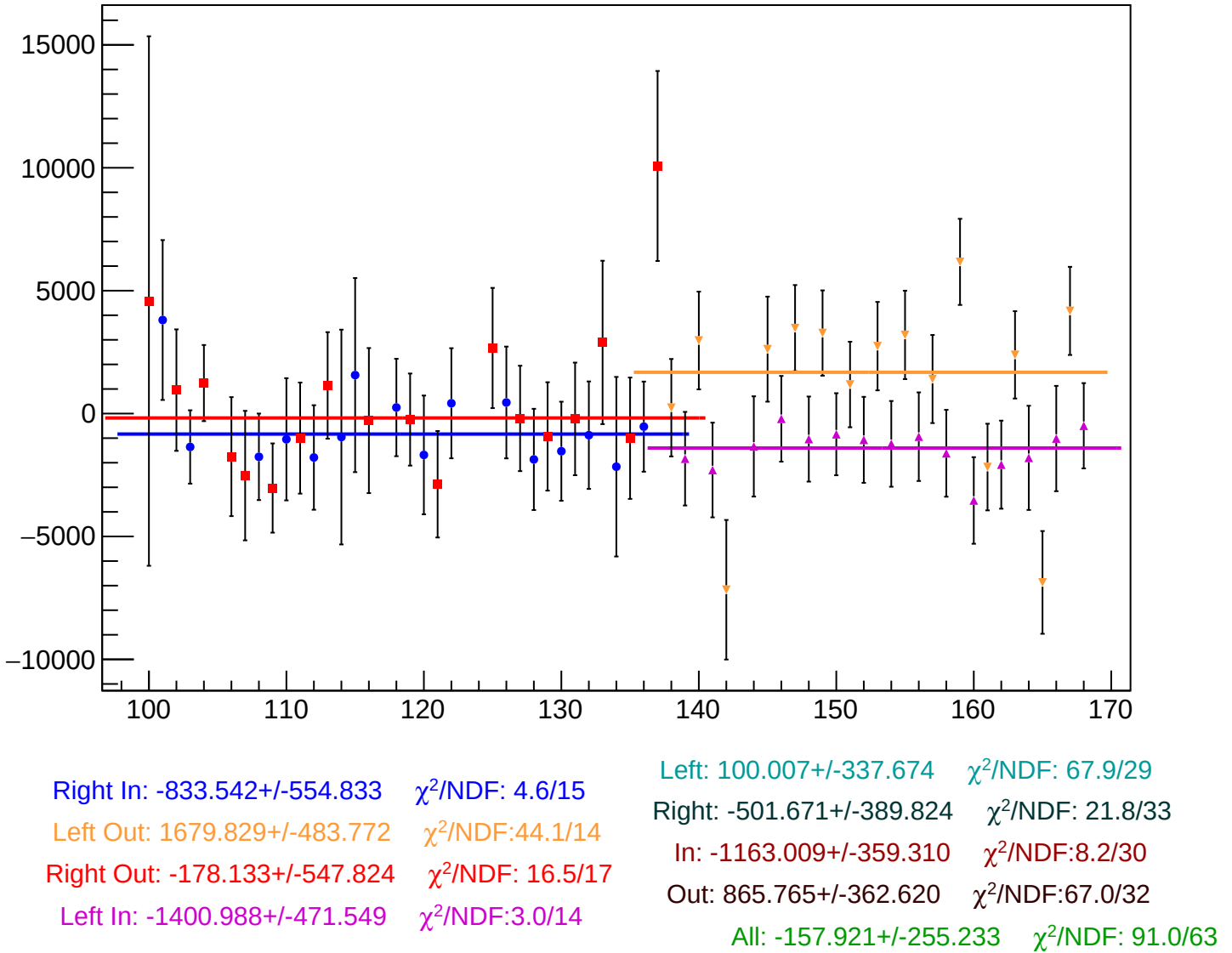
Left: 7540.100+/-1.109 χ^2/NDF: 1715337.6/29

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6785.147+/-1.118 χ^2/NDF:2240111.5/30

Out: 6486.153+/-1.089 χ^2/NDF:2172520.7/32

All: 6631.663+/-0.780 χ^2/NDF: 4449327.8/63


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
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−5000
−10000
100
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120
130
140
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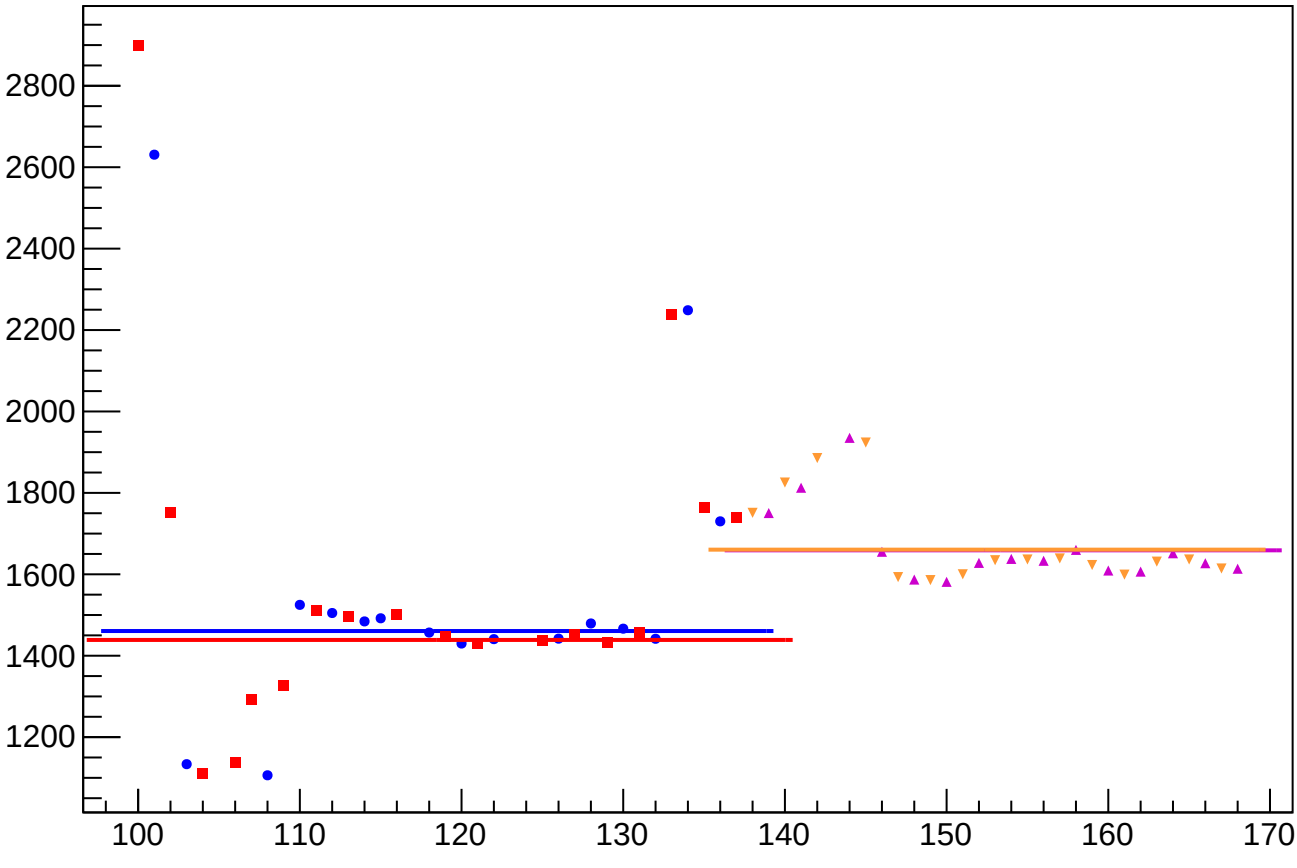
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1679.829+/-483.772 χ²/NDF:44.1/14
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1400.988+/-471.549 χ²/NDF:3.0/14
Left: 100.007+/-337.674 χ²/NDF: 67.9/29
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1163.009+/-359.310 χ²/NDF:8.2/30
Out: 865.765+/-362.620 χ²/NDF:67.0/32
All: -157.921+/-255.233 χ²/NDF: 91.0/63



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1660.545+/-0.342 χ^2/NDF:76469.8/14

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1658.887+/-0.333 χ^2/NDF:68246.5/14

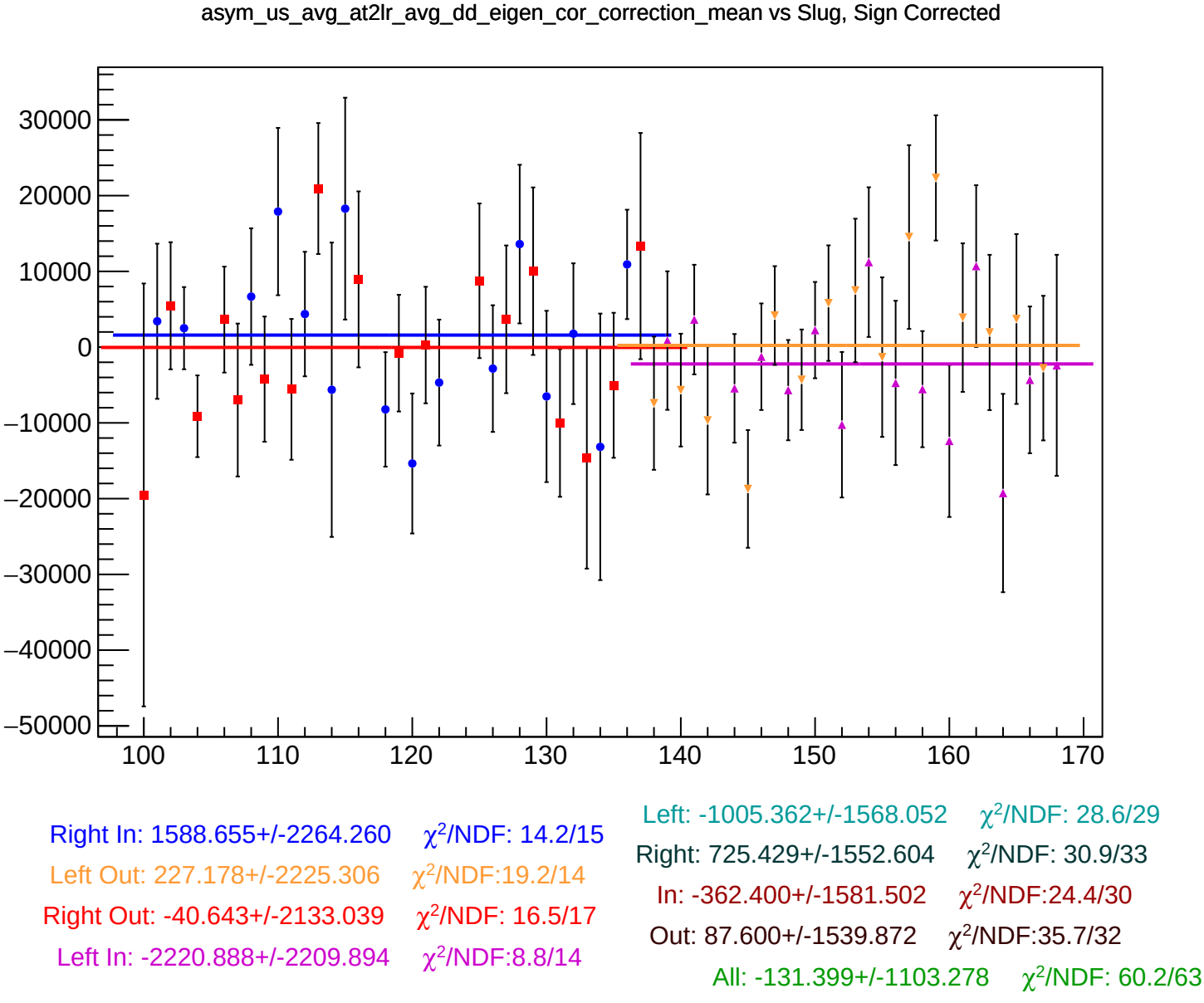
Left: 1659.695+/-0.239 χ^2/NDF: 144728.4/29

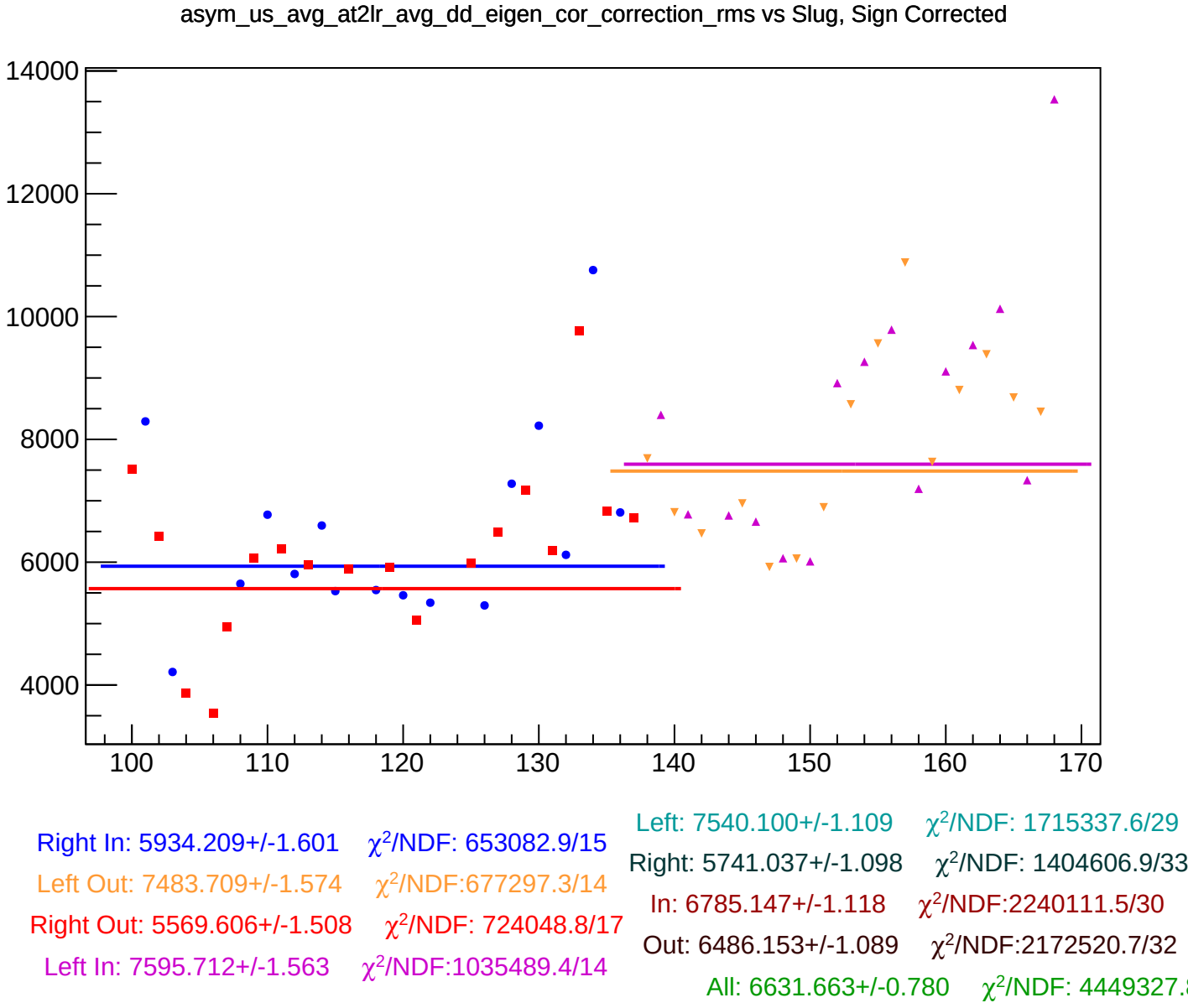
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

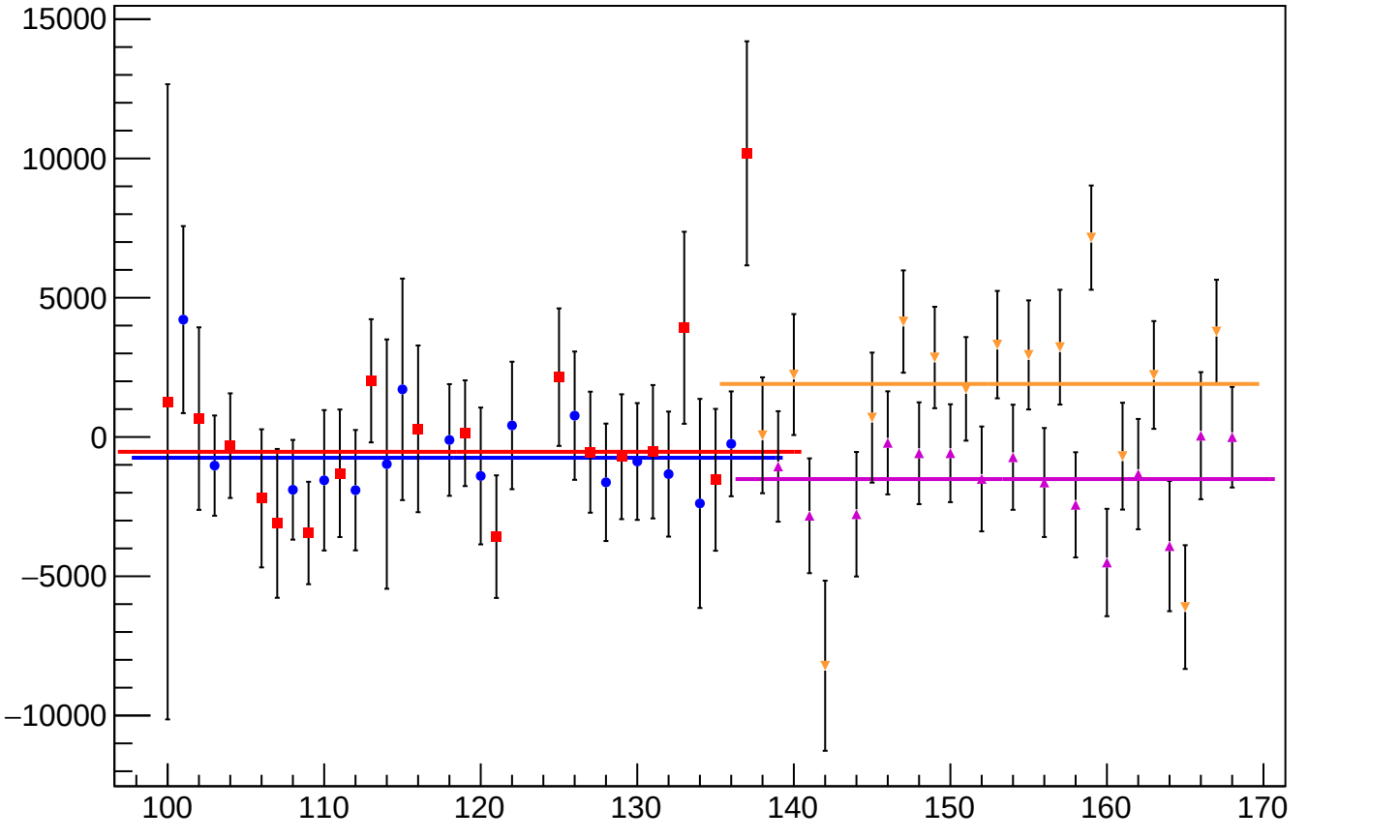
In: 1575.750+/-0.254 χ^2/NDF:792216.5/30

Out: 1563.122+/-0.256 χ^2/NDF:634488.7/32

All: 1569.488+/-0.180 χ^2/NDF: 1427930.3/63


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 227.178+/-2225.306 χ²/NDF:19.2/14
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2220.888+/-2209.894 χ²/NDF:8.8/14
Left: -1005.362+/-1568.052 χ²/NDF: 28.6/29
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -362.400+/-1581.502 χ²/NDF:24.4/30
Out: 87.600+/-1539.872 χ²/NDF:35.7/32
All: -131.399+/-1103.278 χ²/NDF: 60.2/63


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 5934.209+/-1.601 χ²/NDF: 653082.9/15
Left Out: 7483.709+/-1.574 χ²/NDF:677297.3/14
Right Out: 5569.606+/-1.508 χ²/NDF: 724048.8/17
Left In: 7595.712+/-1.563 χ²/NDF:1035489.4/14
Left: 7540.100+/-1.109 χ²/NDF: 1715337.6/29
Right: 5741.037+/-1.098 χ²/NDF: 1404606.9/33
In: 6785.147+/-1.118 χ²/NDF:2240111.5/30
Out: 6486.153+/-1.089 χ²/NDF:2172520.7/32
All: 6631.663+/-0.780 χ²/NDF: 4449327.8/63



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1904.666+/-519.743 χ^2/NDF:38.8/14

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1510.772+/-505.379 χ^2/NDF:6.9/14

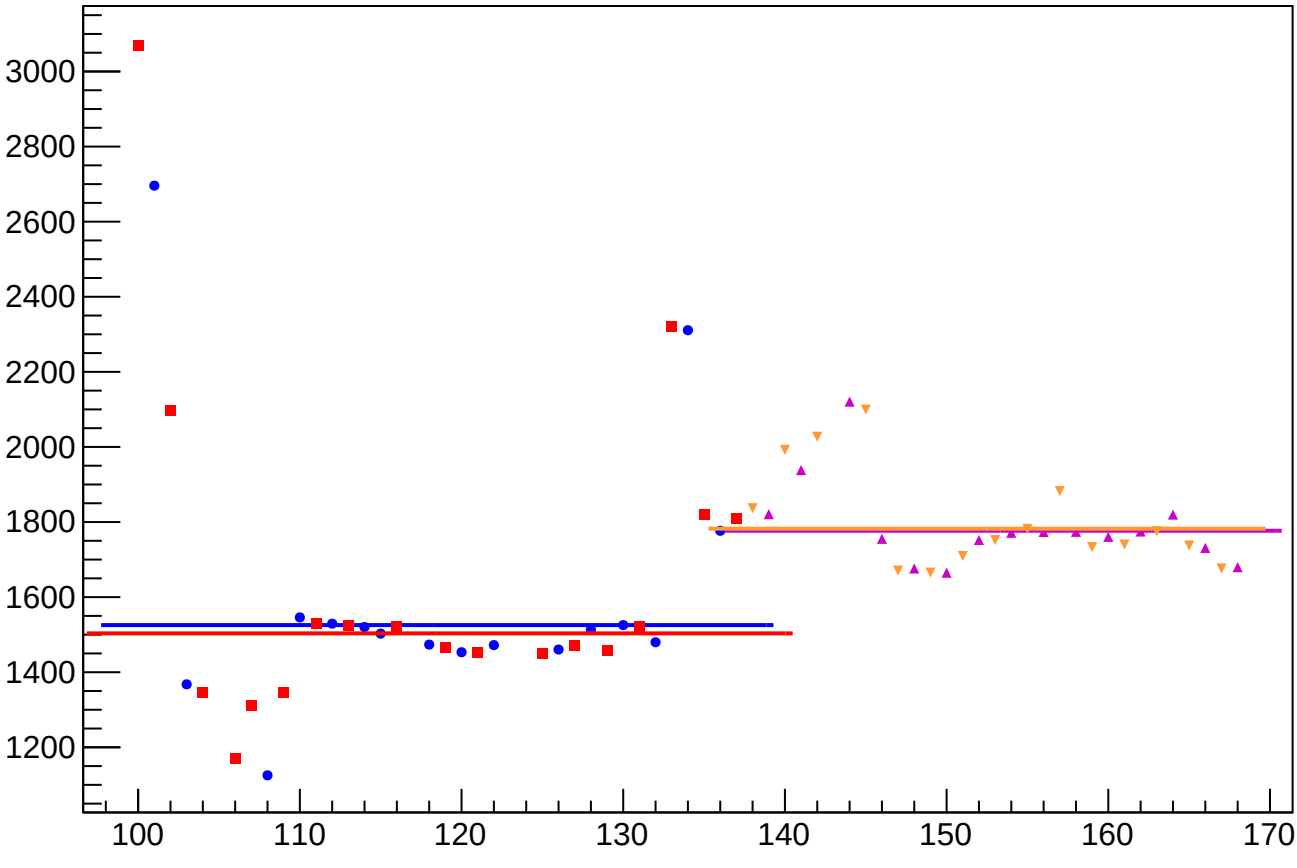
Left: 149.100+/-362.329 χ^2/NDF: 67.9/29

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -1179.429+/-380.478 χ^2/NDF:12.6/30

Out: 809.569+/-385.608 χ^2/NDF:66.4/32

All: -198.248+/-270.834 χ^2/NDF: 92.5/63



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1782.391+/-0.368 χ^2/NDF:103406.4/14

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1776.807+/-0.357 χ^2/NDF:82777.4/14

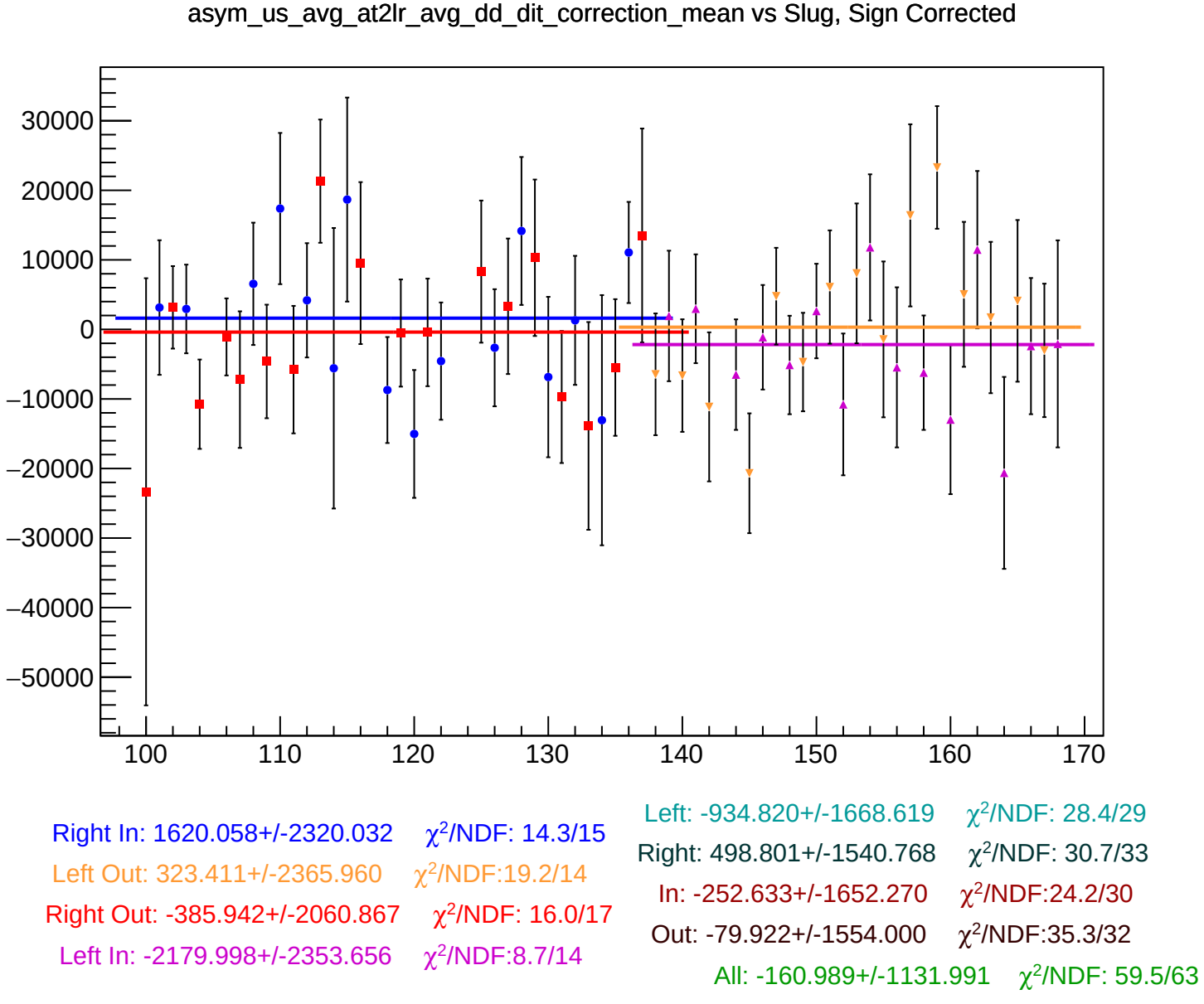
Left: 1779.521+/-0.256 χ^2/NDF: 186302.4/29

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

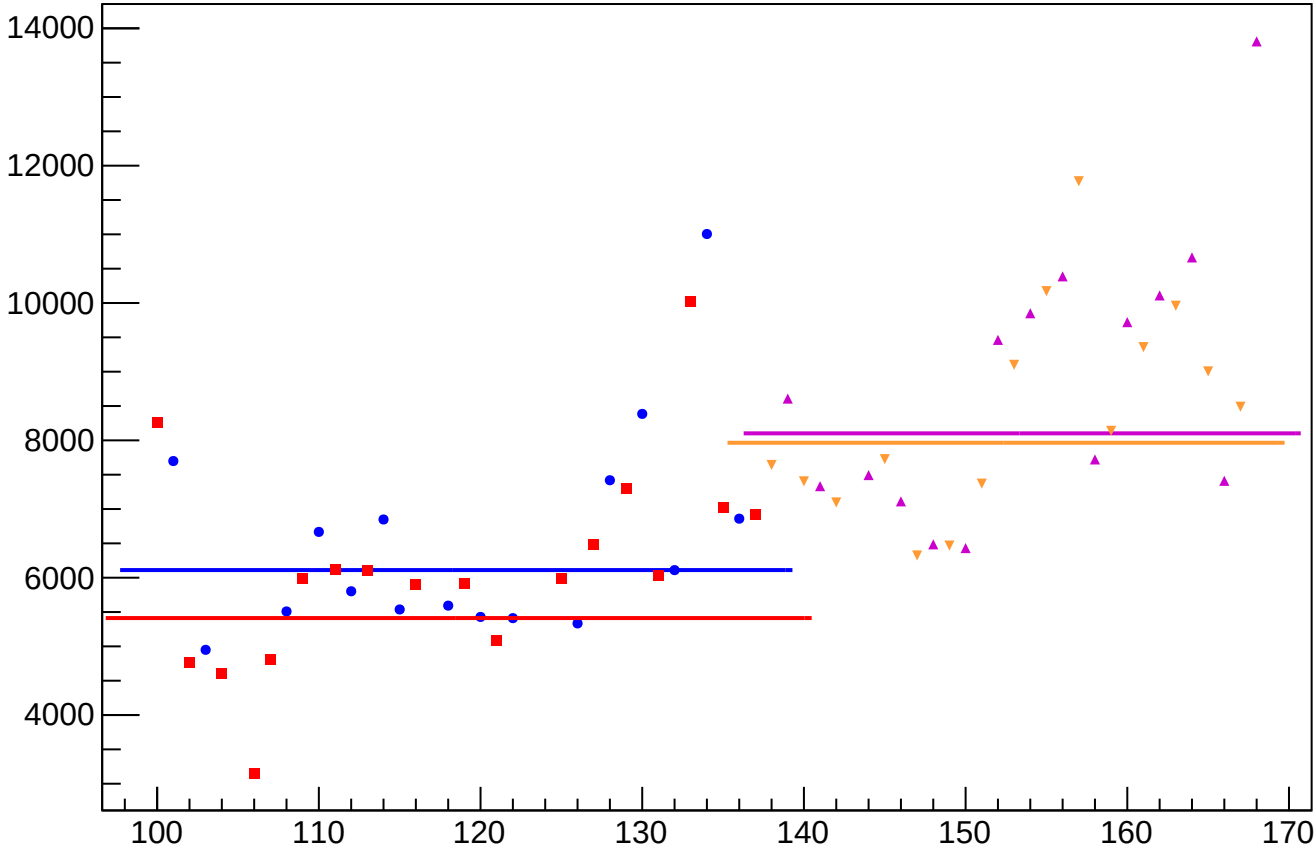
In: 1667.954+/-0.269 χ^2/NDF:785284.3/30

Out: 1656.945+/-0.273 χ^2/NDF:701002.5/32

All: 1662.522+/-0.191 χ^2/NDF: 1487113.0/63


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: 323.411+/-2365.960 χ²/NDF:19.2/14
Right Out: -385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: -2179.998+/-2353.656 χ²/NDF:8.7/14
Left: -934.820+/-1668.619 χ²/NDF: 28.4/29
Right: 498.801+/-1540.768 χ²/NDF: 30.7/33
In: -252.633+/-1652.270 χ²/NDF:24.2/30
Out: -79.922+/-1554.000 χ²/NDF:35.3/32
All: -160.989+/-1131.991 χ²/NDF: 59.5/63

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: 7965.061+/-1.673 χ^2/NDF:636417.1/14

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8102.144+/-1.664 χ^2/NDF:952375.7/14

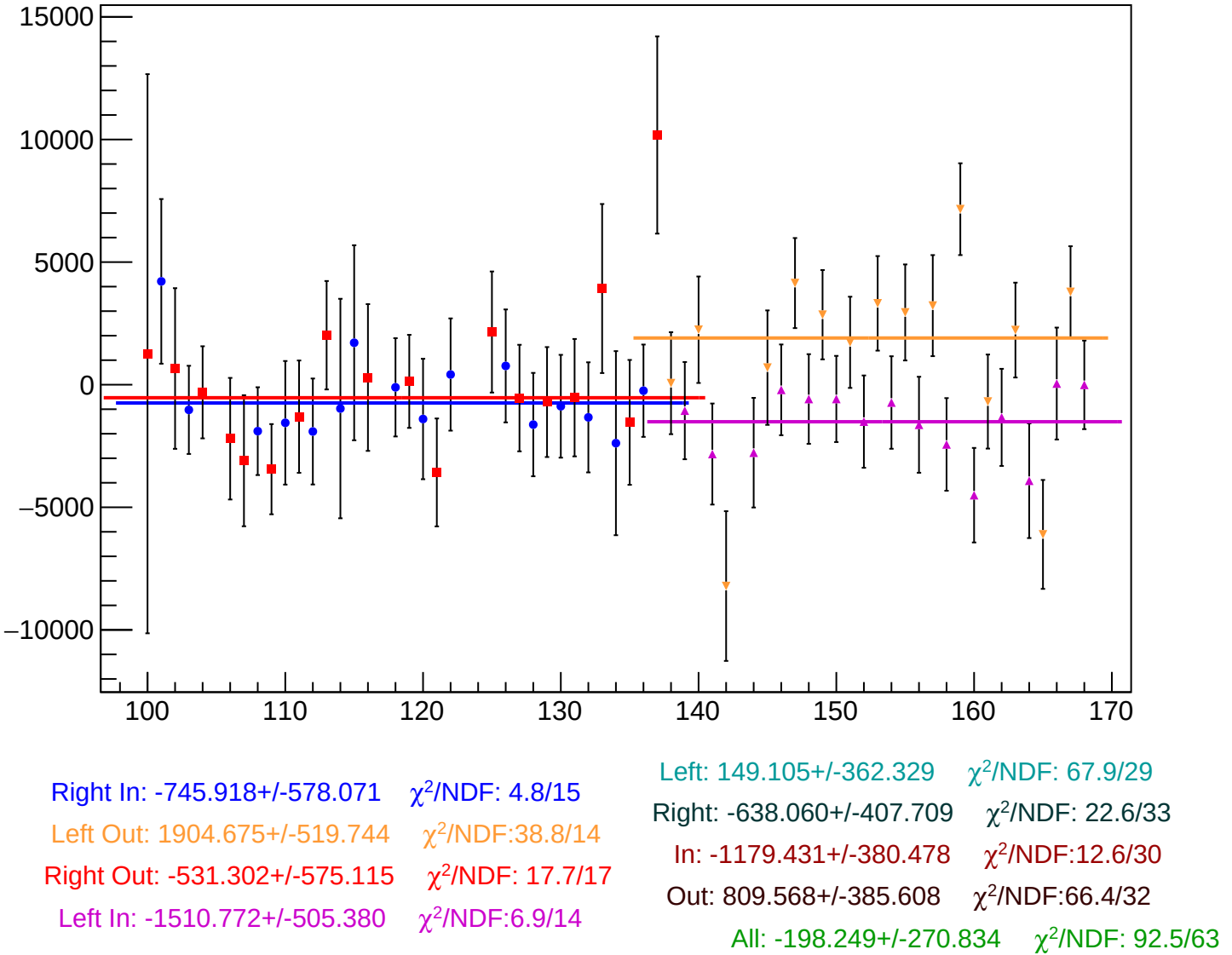
Left: 8033.960+/-1.180 χ^2/NDF: 1592167.3/29

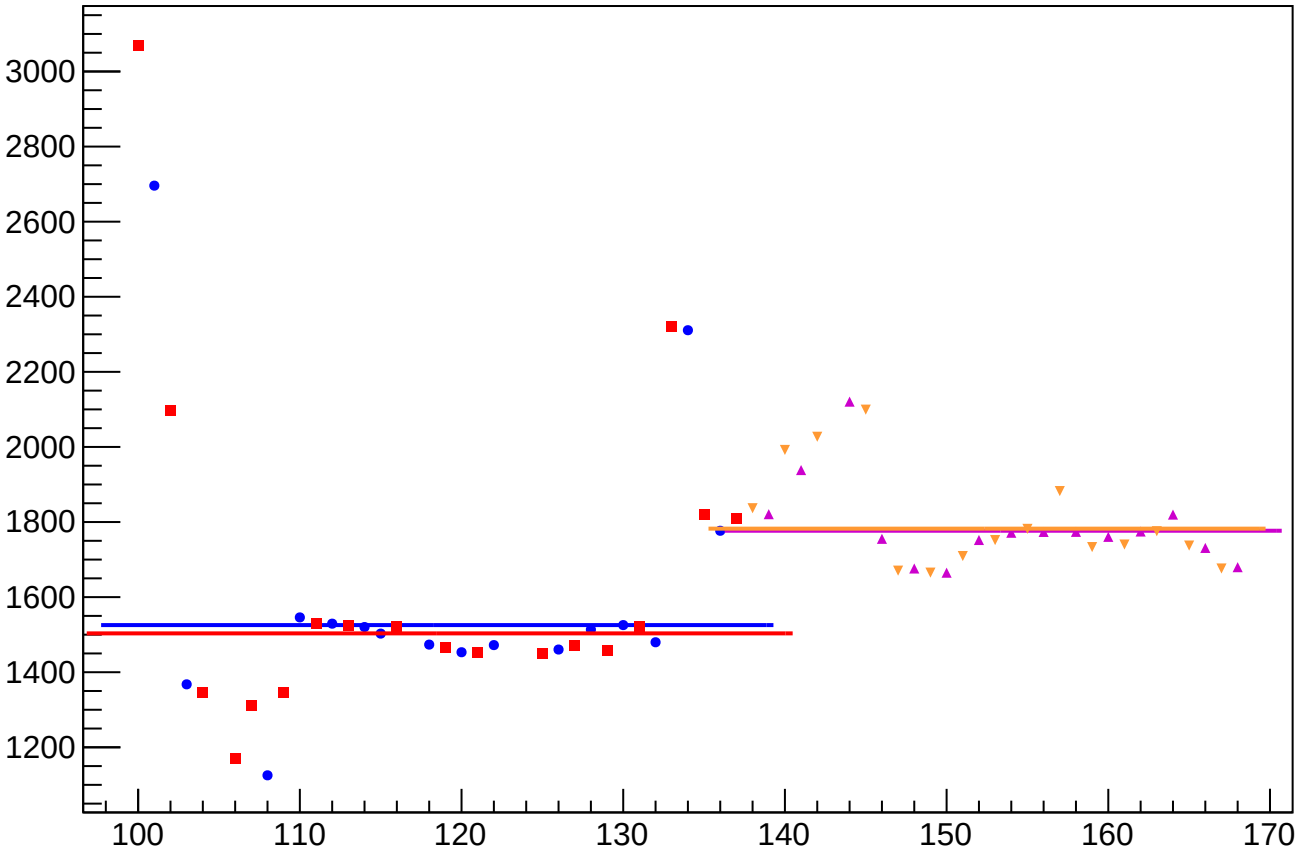
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7092.266+/-1.168 χ^2/NDF:2149988.5/30

Out: 6513.565+/-1.099 χ^2/NDF:2781817.2/32

All: 6785.195+/-0.800 χ^2/NDF: 5061990.9/63


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1904.675+/-519.744 χ²/NDF:38.8/14
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1510.772+/-505.380 χ²/NDF:6.9/14
Left: 149.105+/-362.329 χ²/NDF: 67.9/29
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1179.431+/-380.478 χ²/NDF:12.6/30
Out: 809.568+/-385.608 χ²/NDF:66.4/32
All: -198.249+/-270.834 χ²/NDF: 92.5/63



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1782.394+/-0.368 χ^2/NDF:103407.3/14

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1776.810+/-0.357 χ^2/NDF:82777.6/14

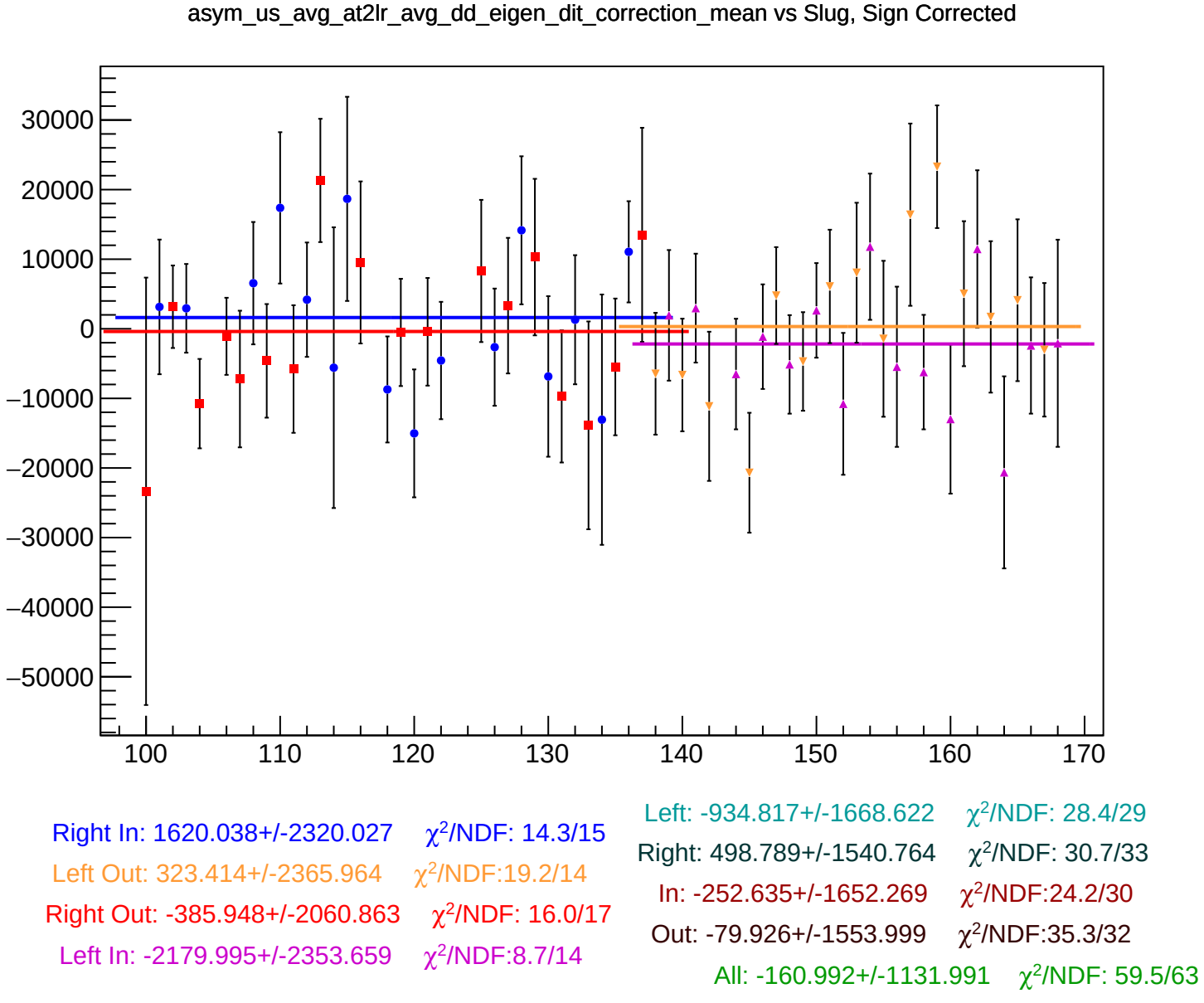
Left: 1779.524+/-0.256 χ^2/NDF: 186303.6/29

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

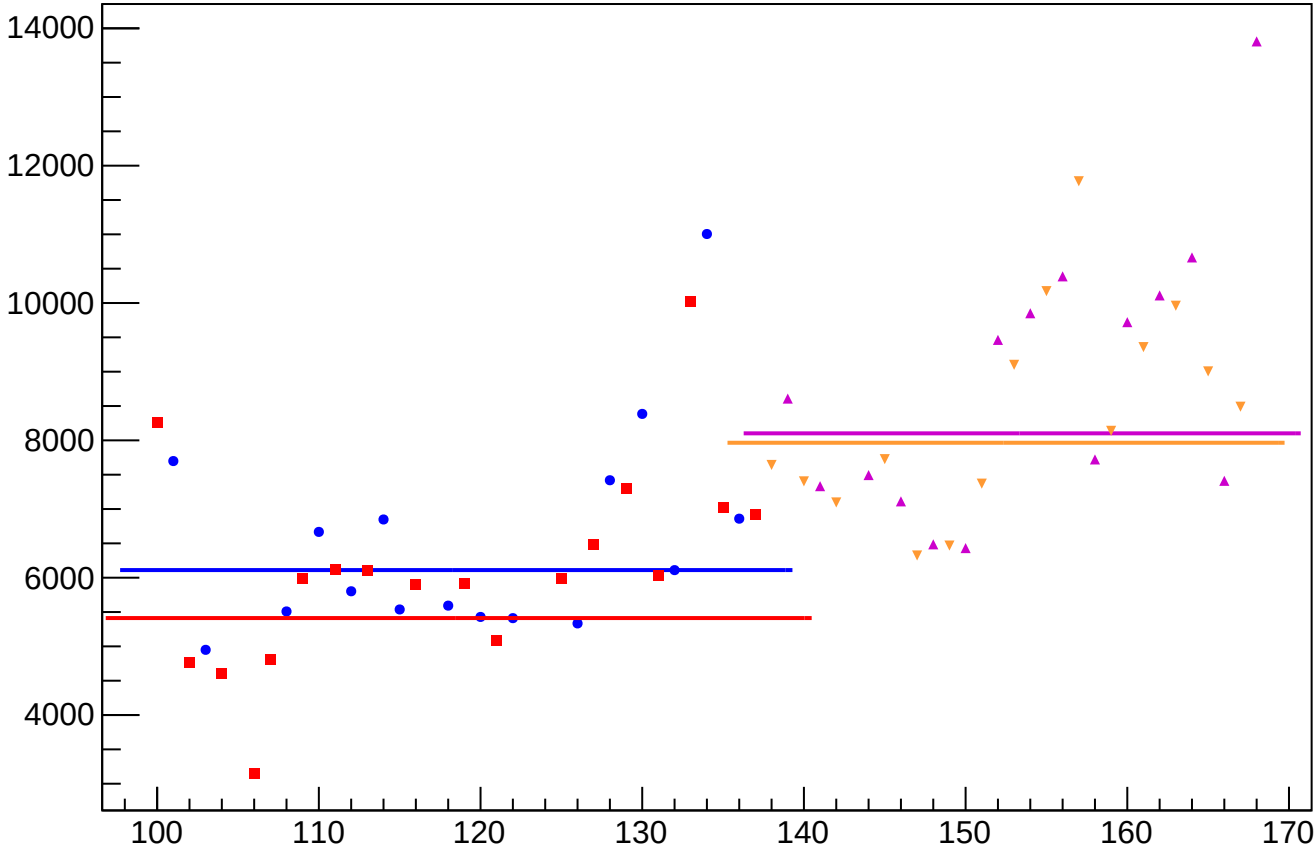
In: 1667.956+/-0.269 χ^2/NDF:785289.3/30

Out: 1656.946+/-0.273 χ^2/NDF:701008.6/32

All: 1662.524+/-0.191 χ^2/NDF: 1487124.1/63


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 323.414+/-2365.964 χ²/NDF:19.2/14
Right Out: -385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: -2179.995+/-2353.659 χ²/NDF:8.7/14
Left: -934.817+/-1668.622 χ²/NDF: 28.4/29
Right: 498.789+/-1540.764 χ²/NDF: 30.7/33
In: -252.635+/-1652.269 χ²/NDF:24.2/30
Out: -79.926+/-1553.999 χ²/NDF:35.3/32
All: -160.992+/-1131.991 χ²/NDF: 59.5/63

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: 7965.072+/-1.673 χ^2/NDF:636419.3/14

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8102.155+/-1.664 χ^2/NDF:952377.5/14

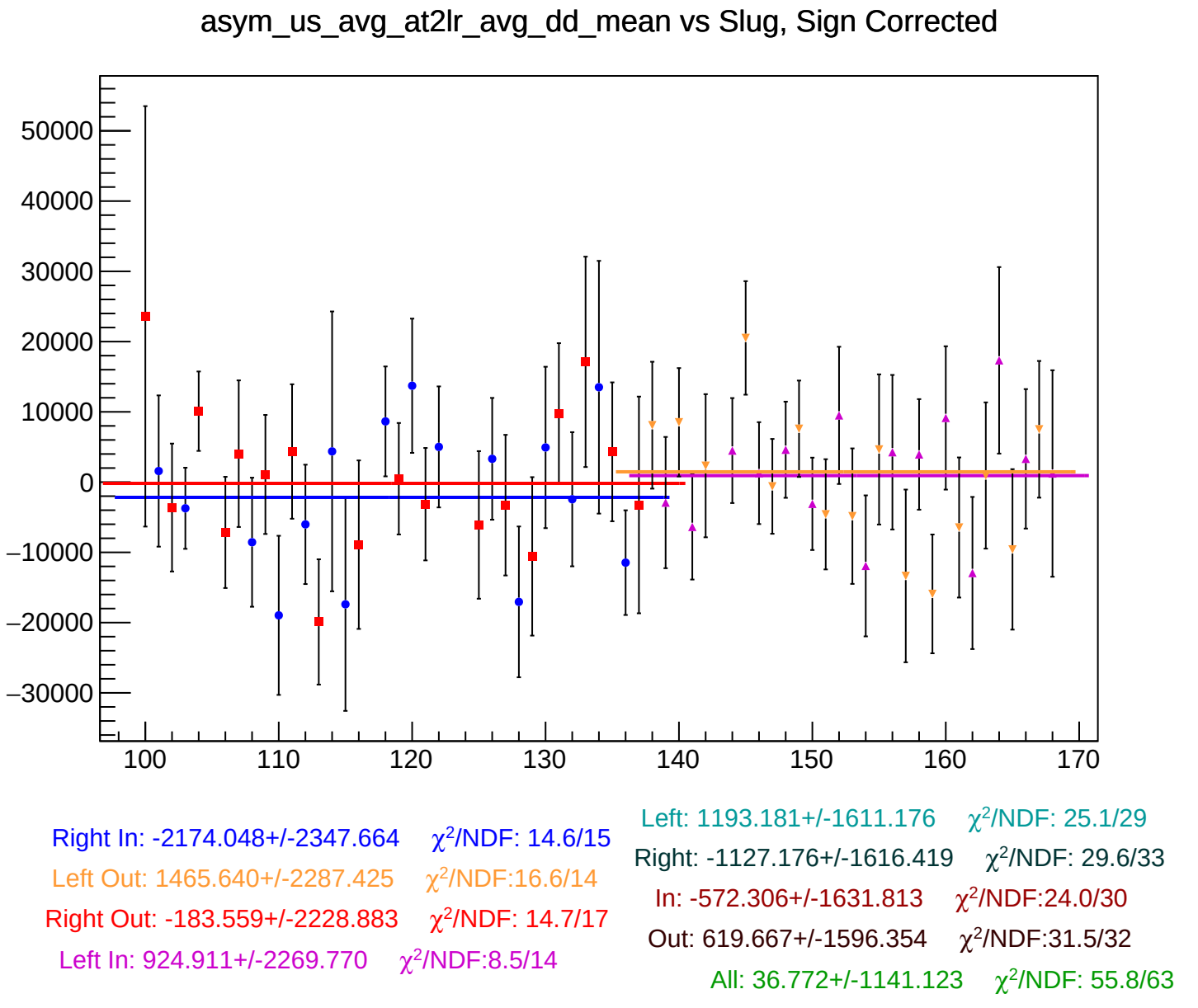
Left: 8033.971+/-1.180 χ^2/NDF: 1592171.4/29

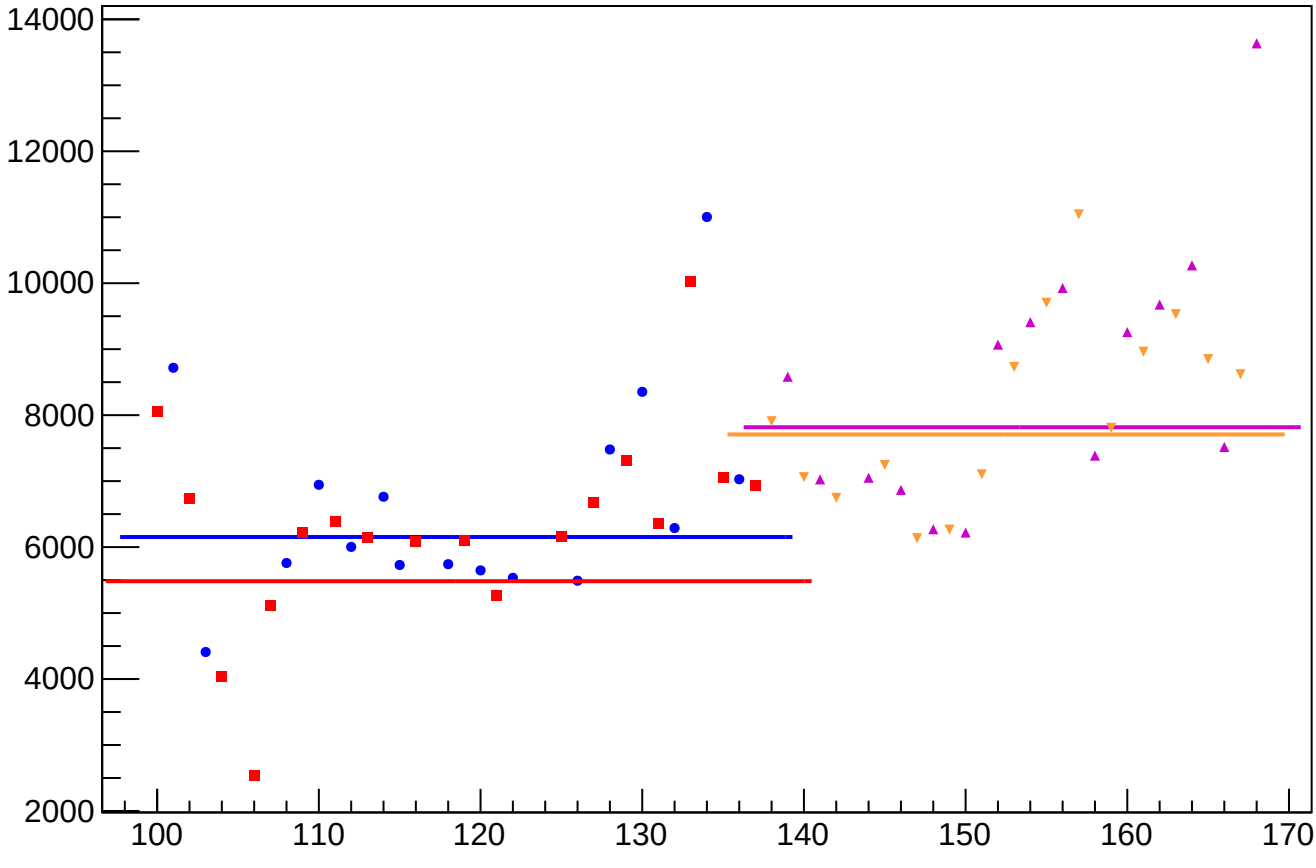
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7092.262+/-1.168 χ^2/NDF:2150010.9/30

Out: 6513.559+/-1.099 χ^2/NDF:2781843.3/32

All: 6785.190+/-0.800 χ^2/NDF: 5062040.0/63


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1465.640+/-2287.425 χ²/NDF:16.6/14
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 924.911+/-2269.770 χ²/NDF:8.5/14
Left: 1193.181+/-1611.176 χ²/NDF: 25.1/29
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -572.306+/-1631.813 χ²/NDF:24.0/30
Out: 619.667+/-1596.354 χ²/NDF:31.5/32
All: 36.772+/-1141.123 χ²/NDF: 55.8/63



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7707.335+/-1.617 χ^2/NDF:618901.7/14

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7816.783+/-1.605 χ^2/NDF:956386.6/14

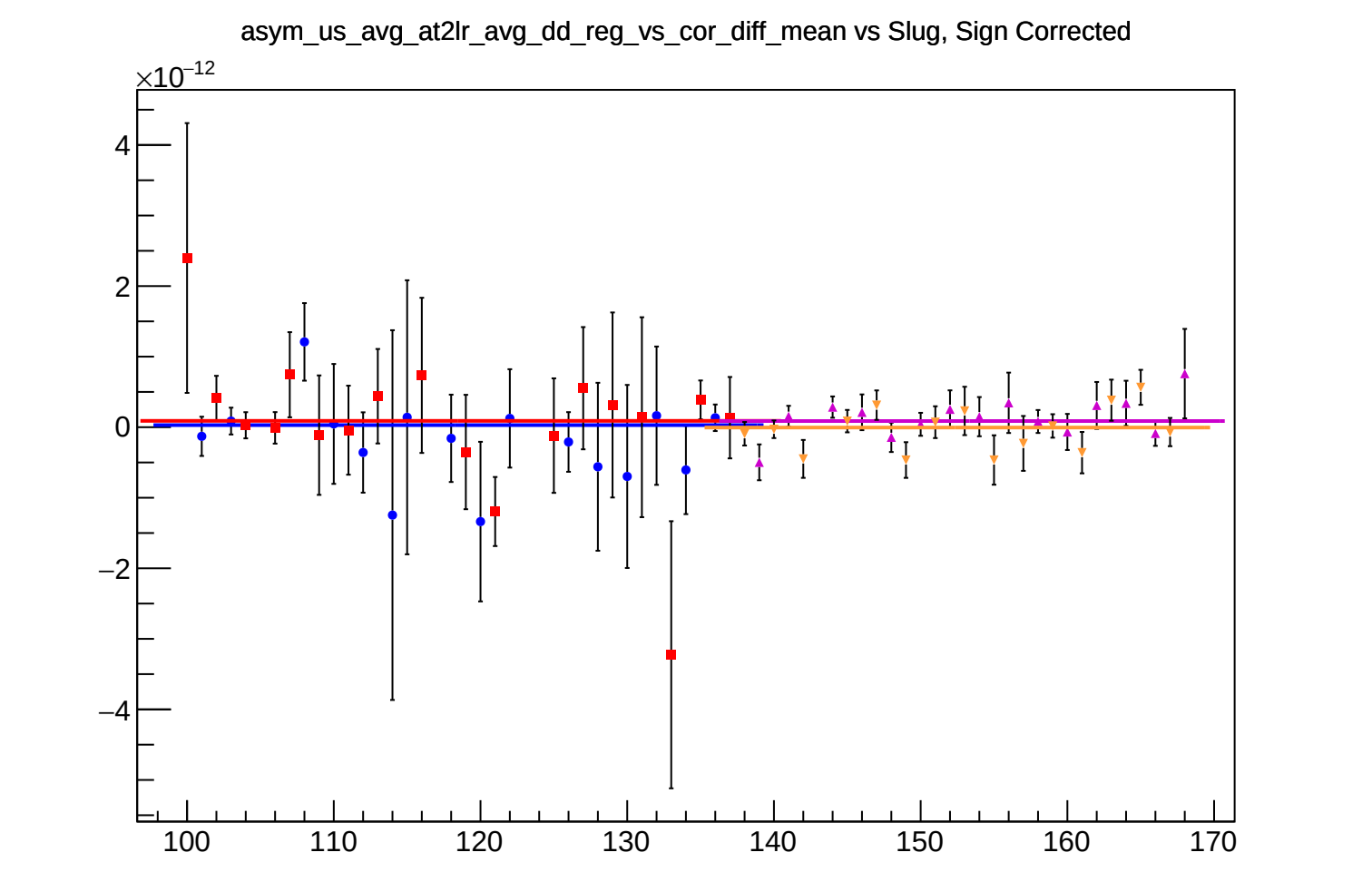
Left: 7762.483+/-1.139 χ^2/NDF: 1577595.4/29

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7012.796+/-1.154 χ^2/NDF:2099802.2/30

Out: 6525.928+/-1.107 χ^2/NDF:2771930.0/32

All: 6759.372+/-0.799 χ^2/NDF: 4964404.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/14

Left: 0.000+/-0.000 χ^2/NDF: 34.8/29

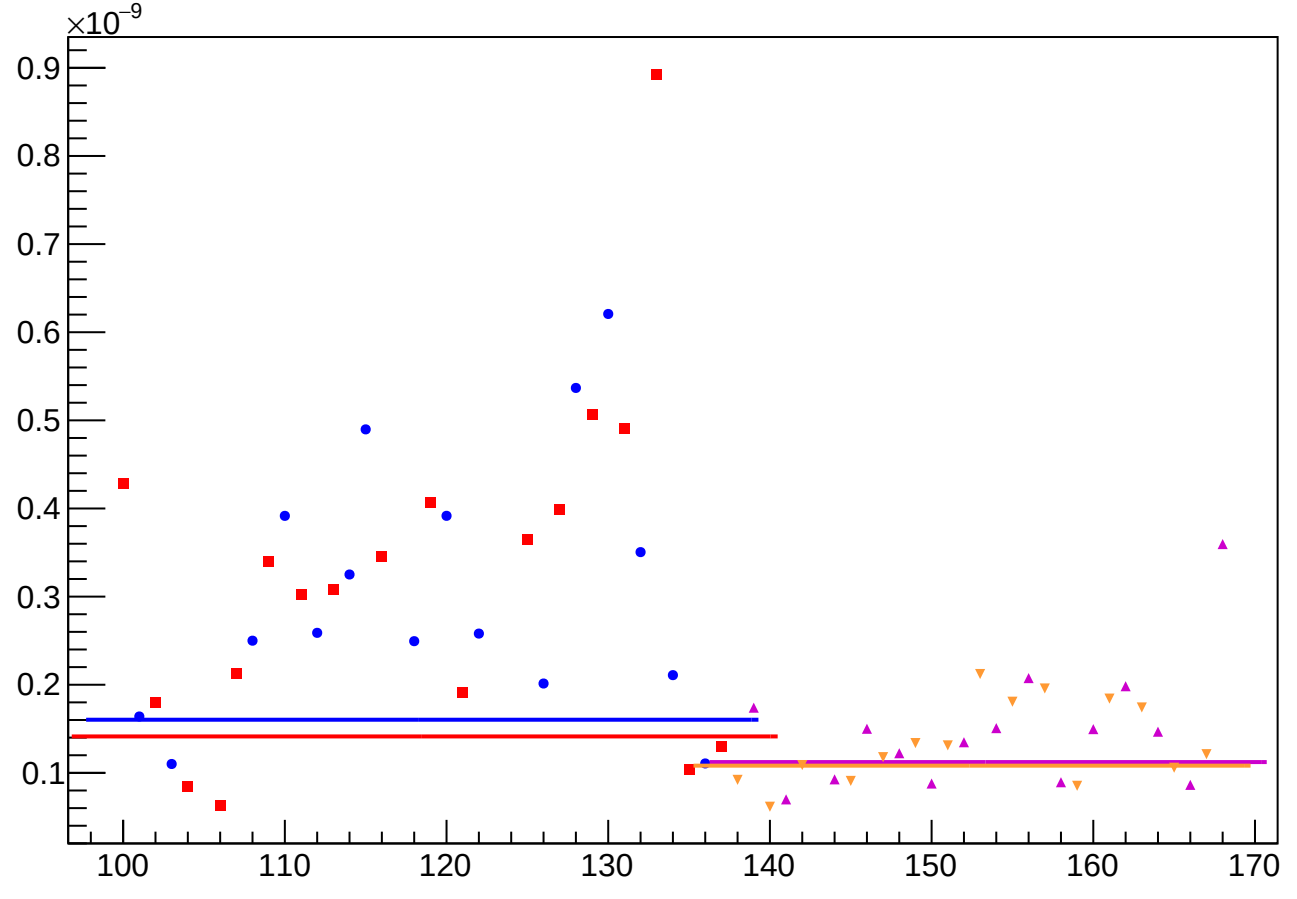
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:22.9/30

Out: 0.000+/-0.000 χ^2/NDF:37.4/32

All: 0.000+/-0.000 χ^2/NDF: 61.1/63

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022185.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1148780.3/14

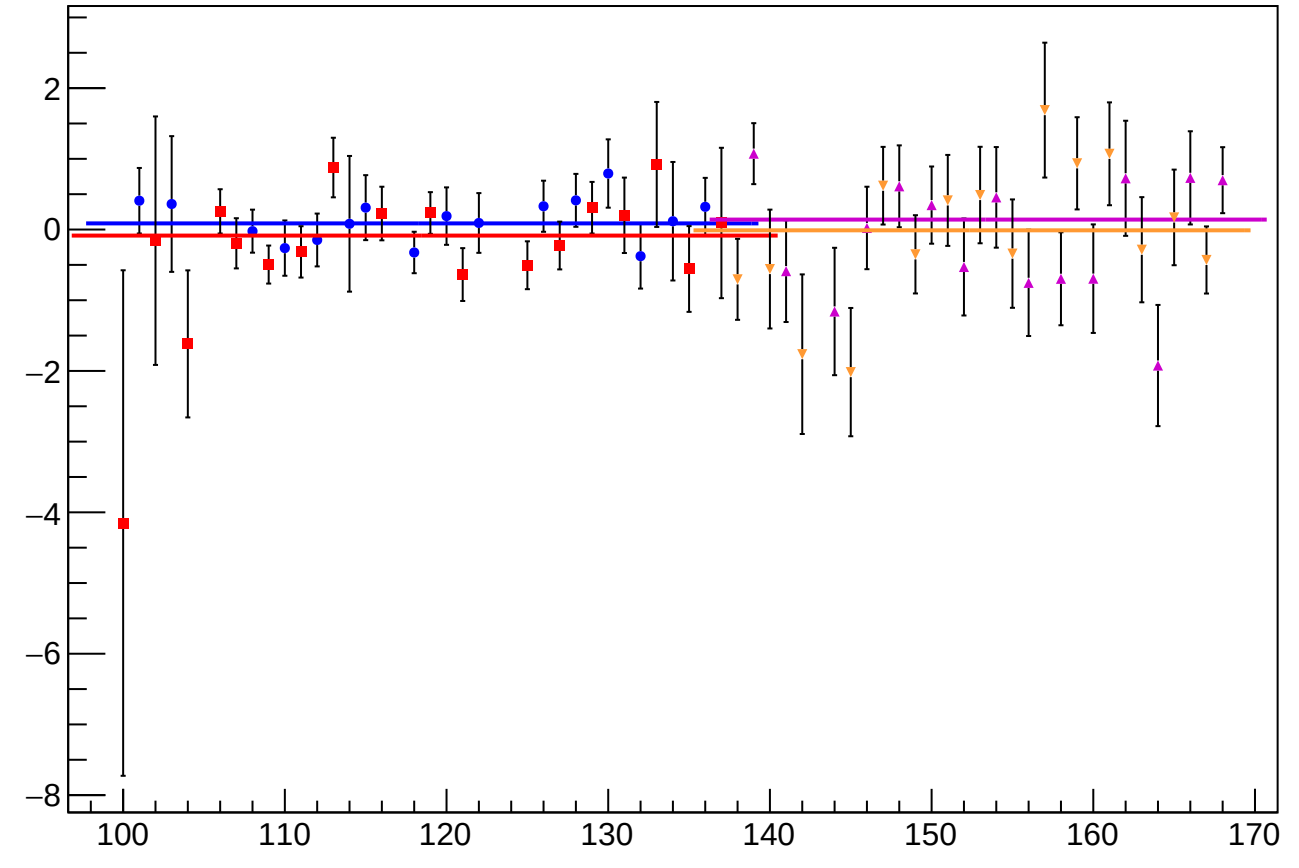
Left: 0.000+/-0.000 χ^2/NDF: 2176401.8/29

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2811111.9/30

Out: 0.000+/-0.000 χ^2/NDF:3351159.8/32

All: 0.000+/-0.000 χ^2/NDF: 6186473.7/63



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.141+/-0.163 χ^2/NDF:22.5/14

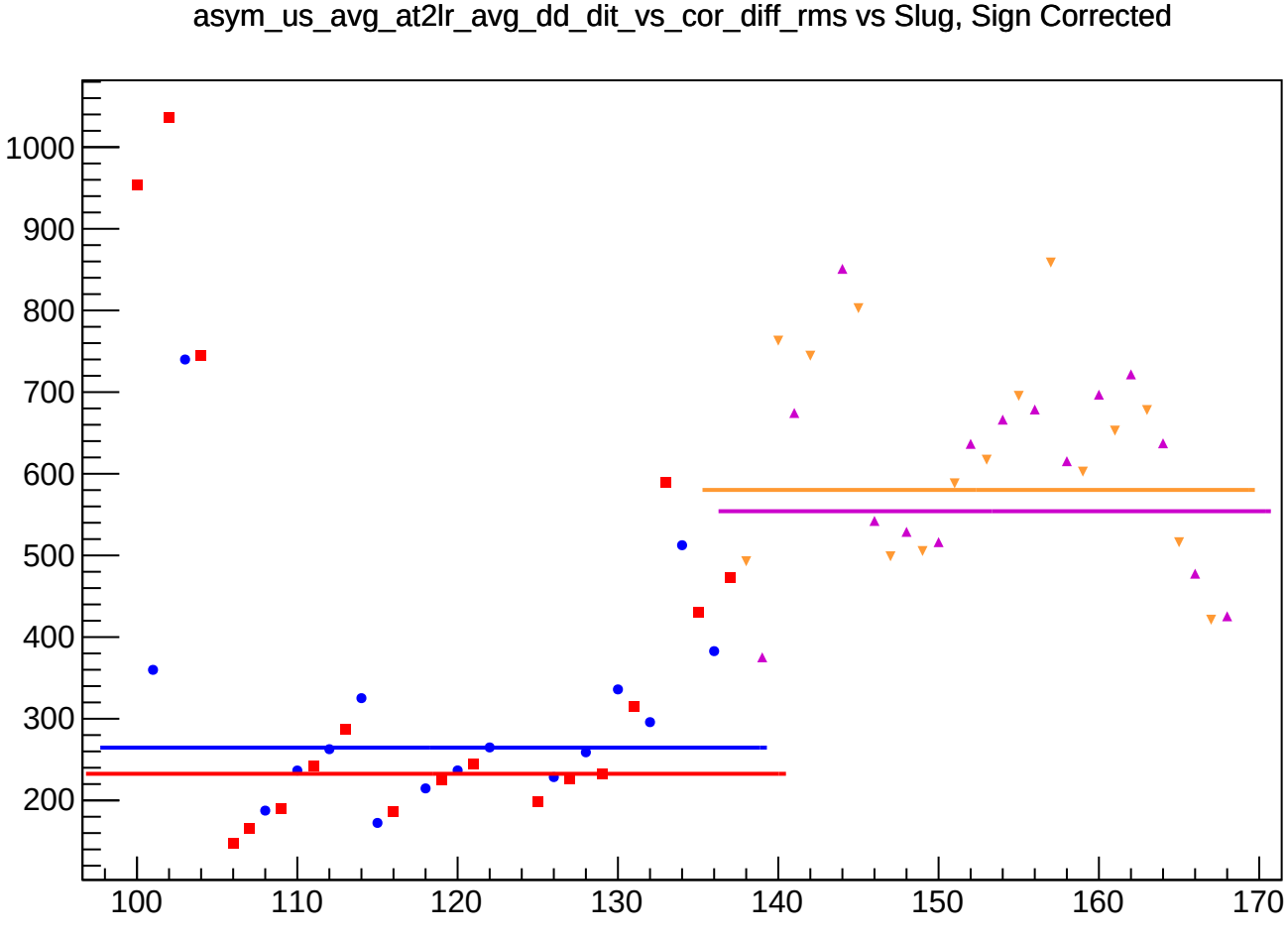
Left: 0.069+/-0.119 χ^2/NDF: 43.5/29

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

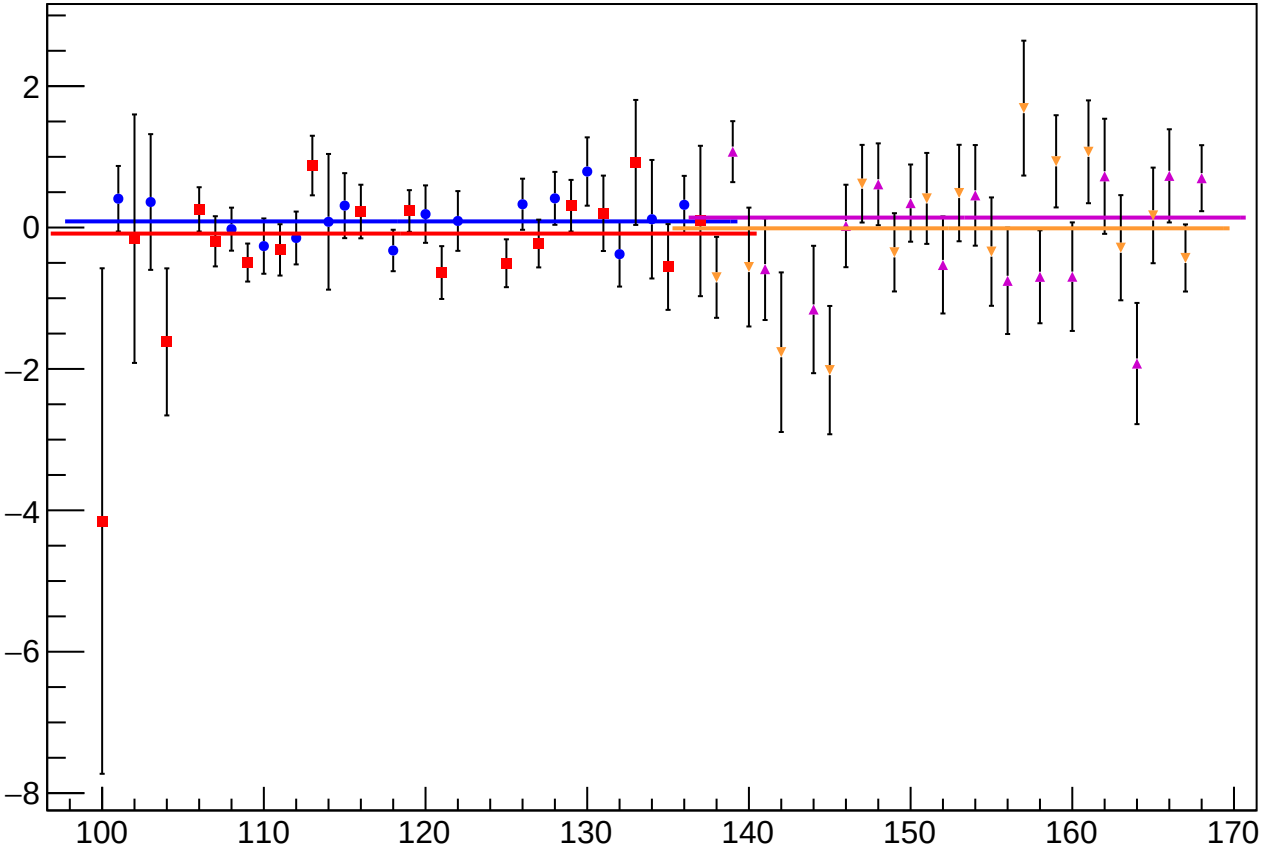
In: 0.103+/-0.088 χ^2/NDF:31.5/30

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.014+/-0.061 χ^2/NDF: 75.9/63


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 580.197+/-0.123 χ²/NDF:905155.0/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 554.142+/-0.116 χ²/NDF:1133894.0/14
Left: 566.362+/-0.084 χ²/NDF: 2062900.9/29
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 349.360+/-0.062 χ²/NDF:6858740.6/30
Out: 315.549+/-0.060 χ²/NDF:9024598.4/32
All: 331.782+/-0.043 χ²/NDF: 16035520.3/63

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: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.141+/-0.163 χ^2/NDF:22.5/14

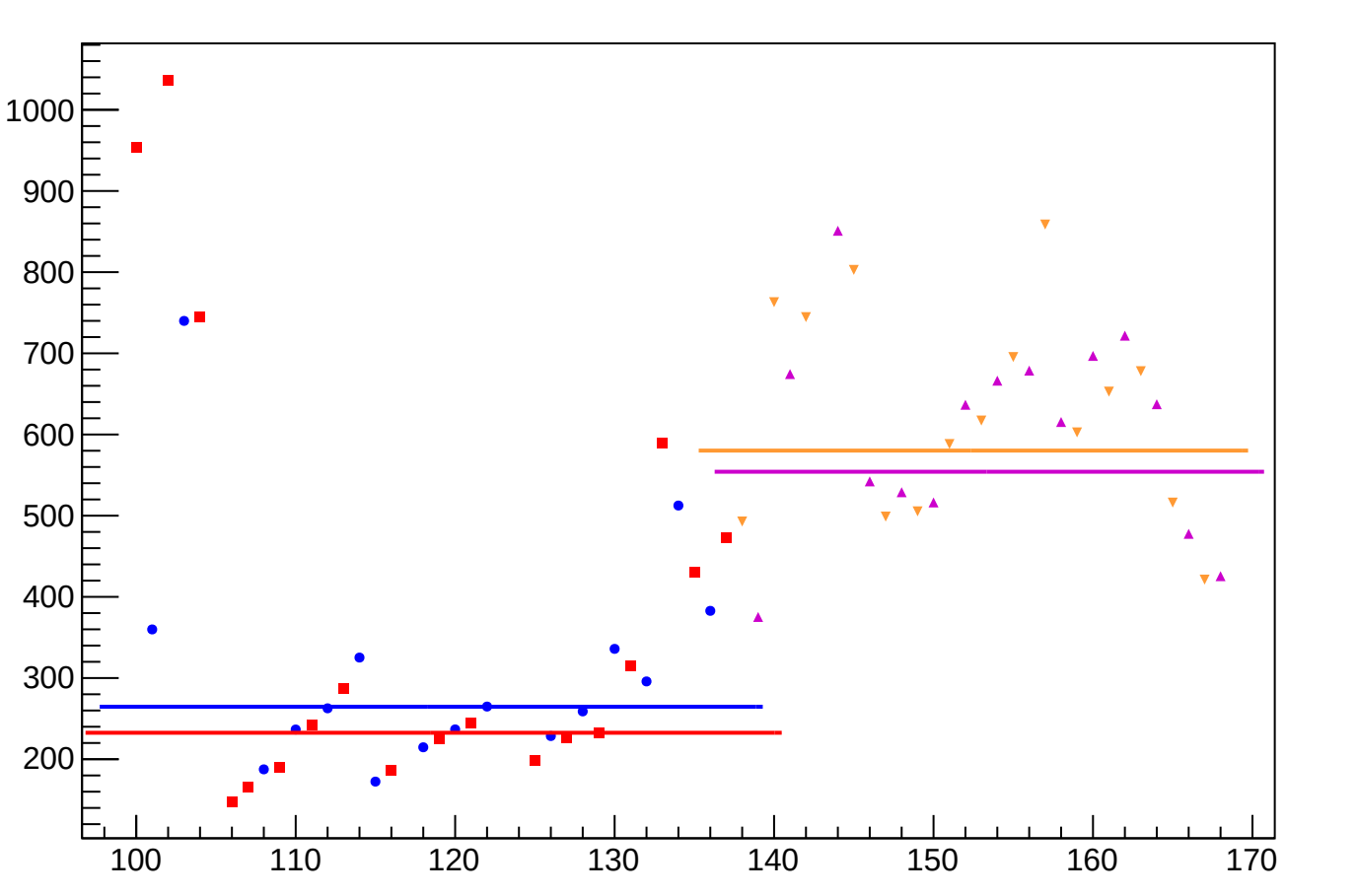
Left: 0.069+/-0.119 χ^2/NDF: 43.5/29

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.103+/-0.088 χ^2/NDF:31.5/30

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.014+/-0.061 χ^2/NDF: 75.9/63



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 580.197+/-0.123 χ^2/NDF:905155.0/14

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 554.142+/-0.116 χ^2/NDF:1133894.0/14

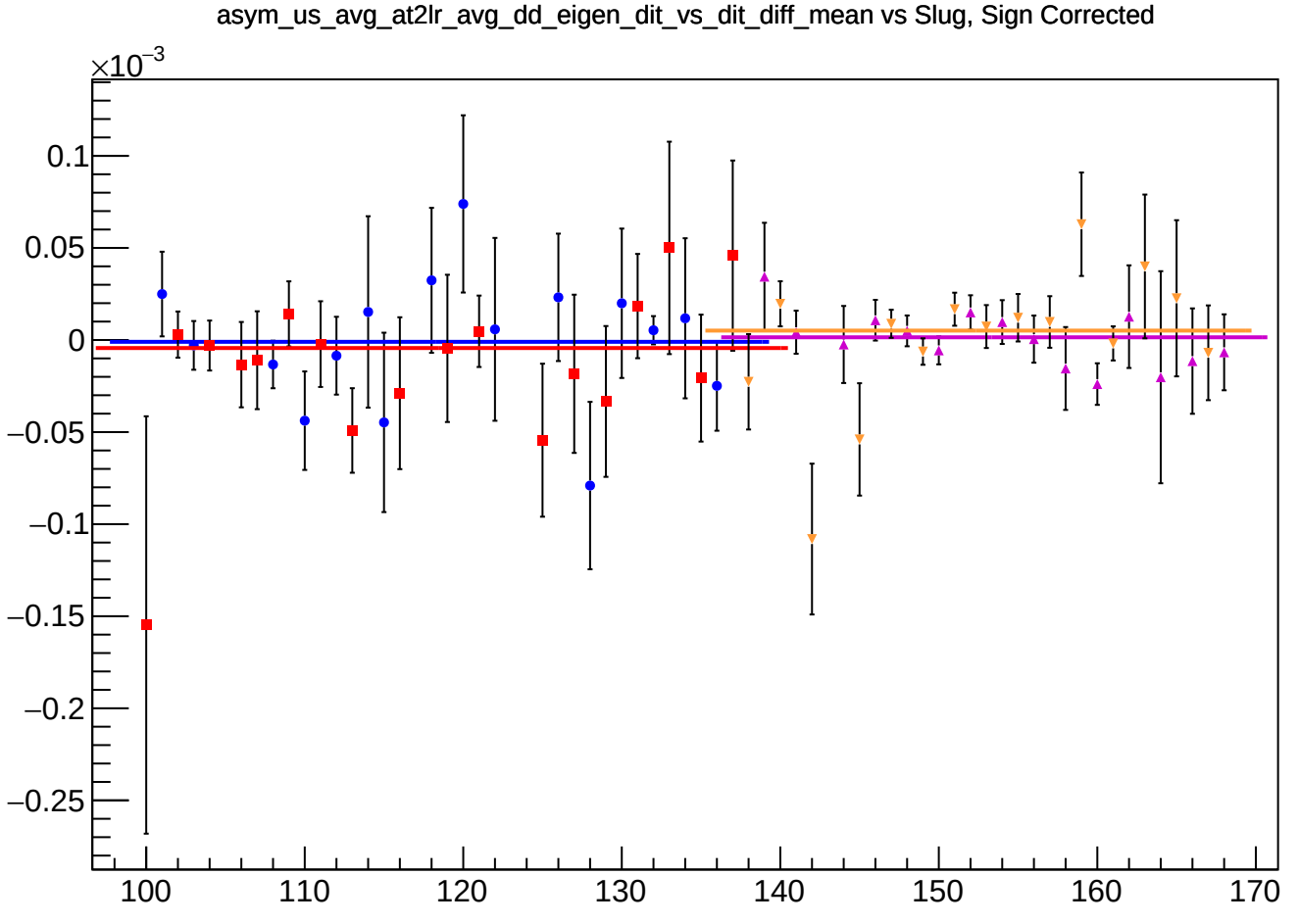
Left: 566.362+/-0.084 χ^2/NDF: 2062900.9/29

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 349.360+/-0.062 χ^2/NDF:6858740.6/30

Out: 315.549+/-0.060 χ^2/NDF:9024598.4/32

All: 331.782+/-0.043 χ^2/NDF: 16035520.3/63



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/14

Left: 0.000+/-0.000 χ^2/NDF: 37.4/29

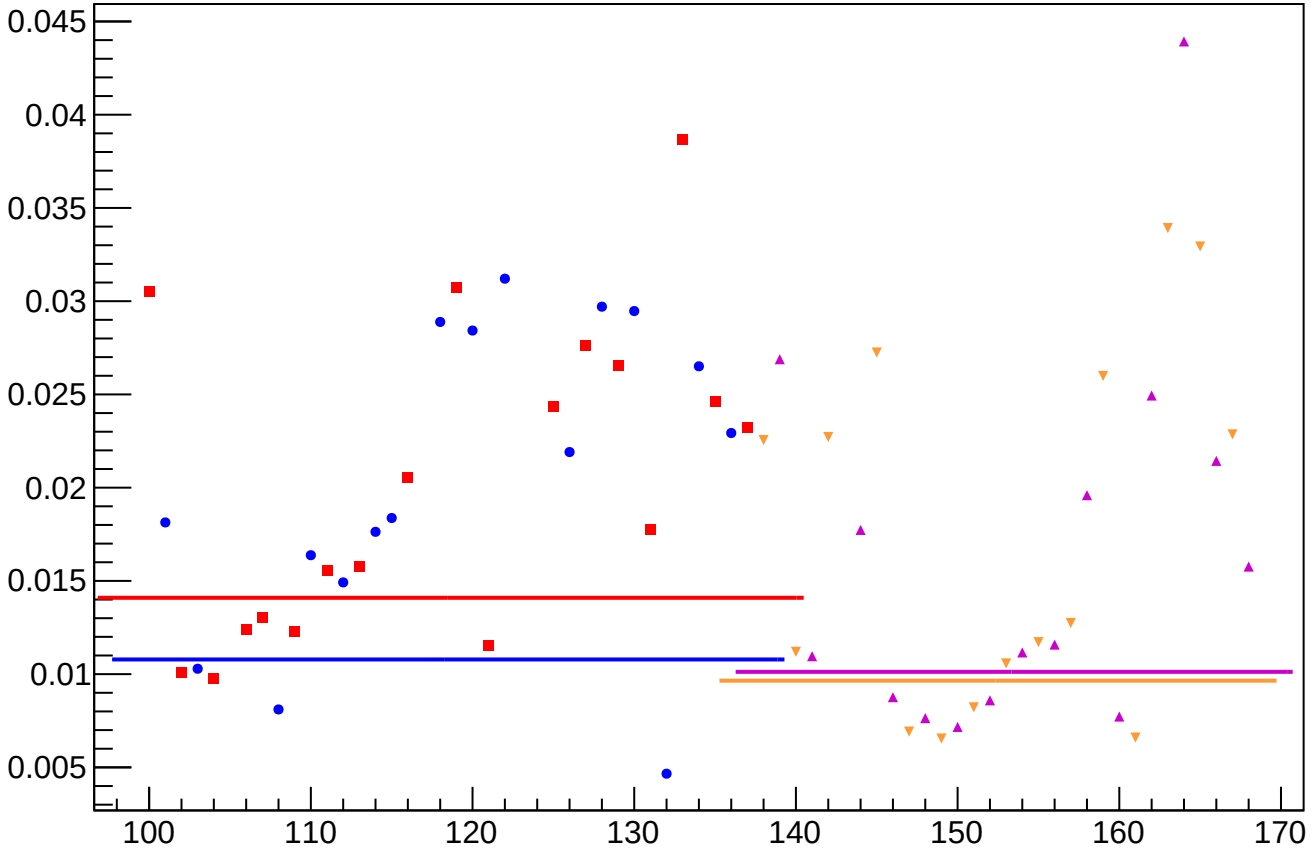
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:26.5/30

Out: 0.000+/-0.000 χ^2/NDF:39.5/32

All: 0.000+/-0.000 χ^2/NDF: 66.3/63

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5037852.0/14

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3699202.5/14

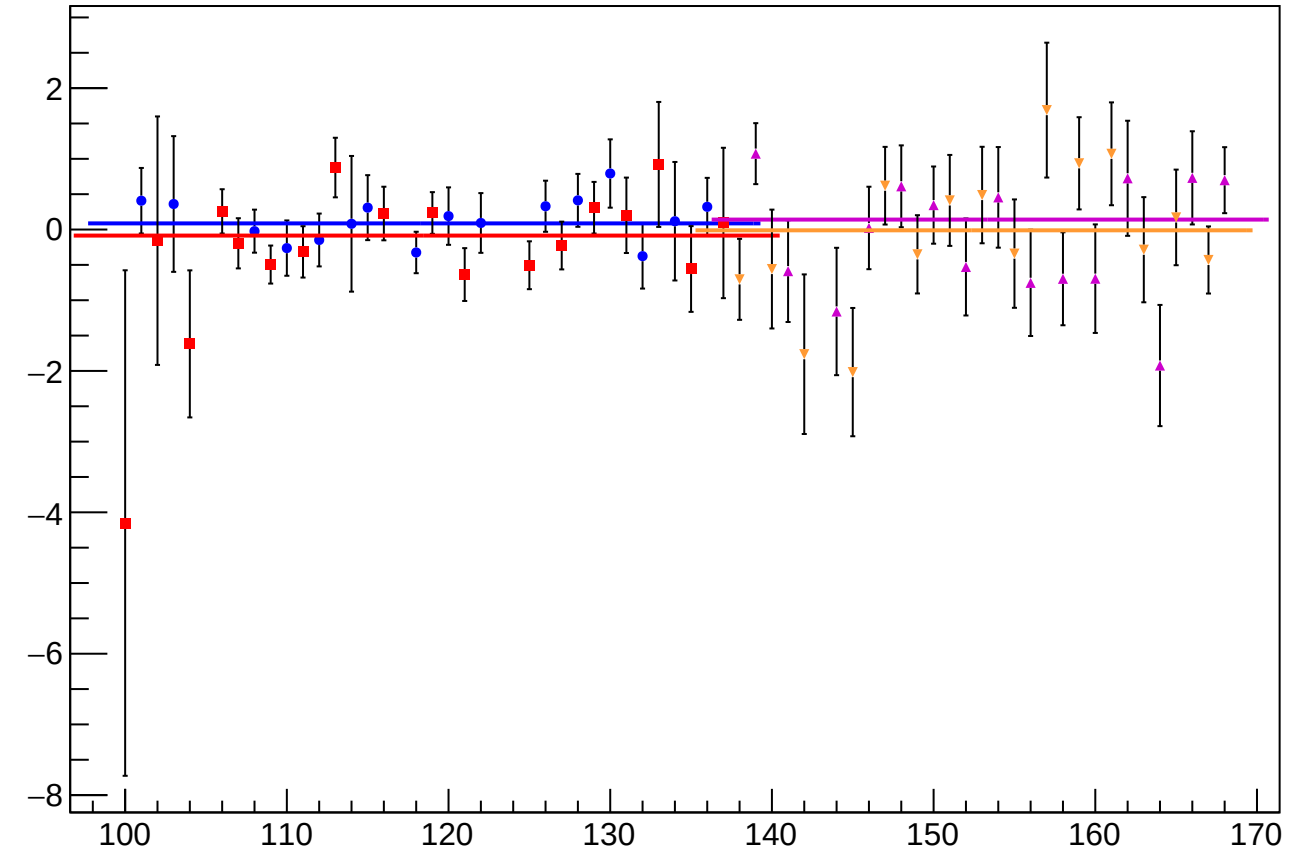
Left: 0.010+/-0.000 χ^2/NDF: 8757553.4/29

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8303914.2/30

Out: 0.011+/-0.000 χ^2/NDF:8029302.8/32

All: 0.011+/-0.000 χ^2/NDF: 16355331.6/63



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.141+/-0.163 χ^2/NDF:22.5/14

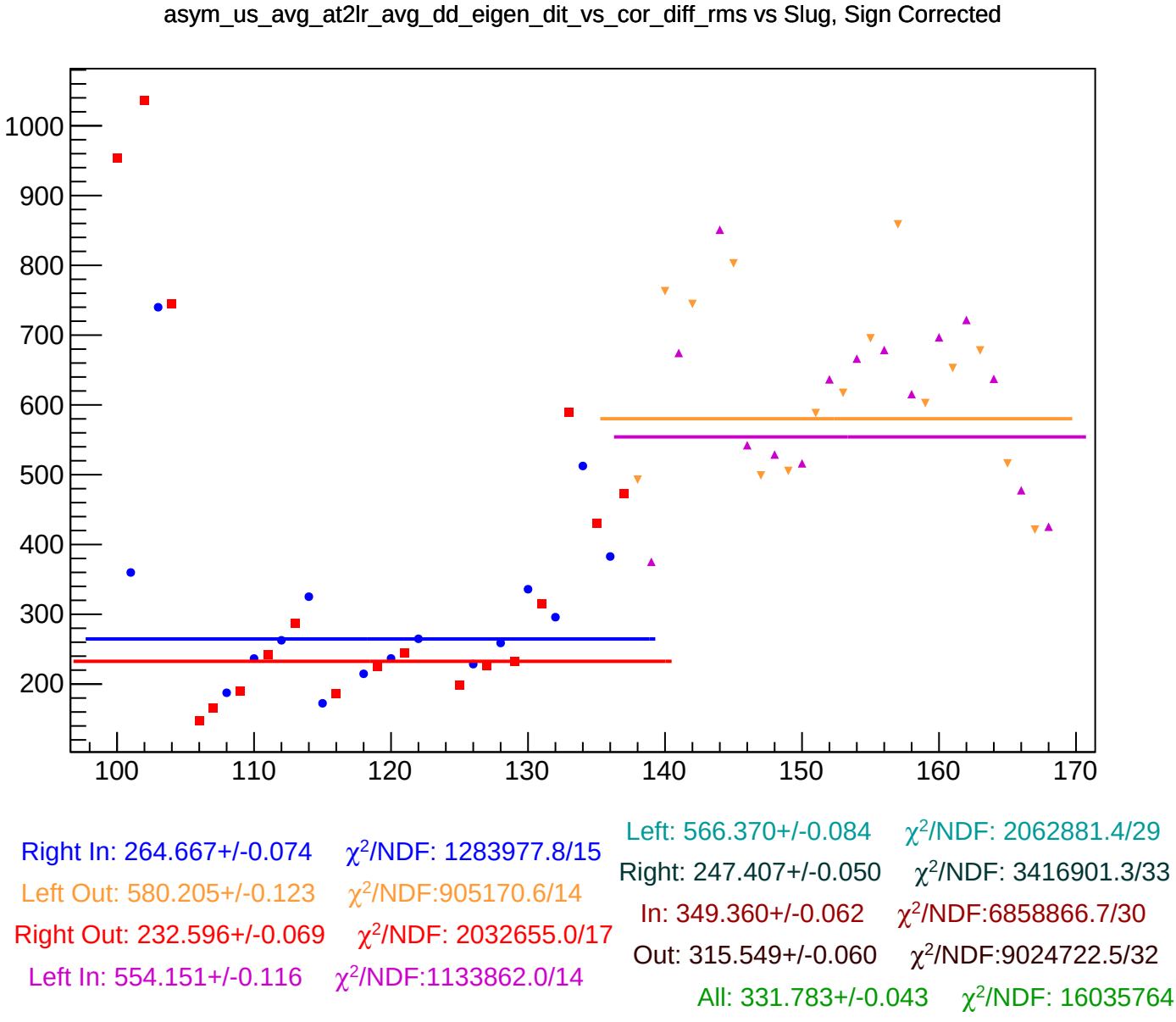
Left: 0.069+/-0.119 χ^2/NDF: 43.5/29

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.103+/-0.088 χ^2/NDF:31.5/30

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.014+/-0.061 χ^2/NDF: 75.9/63


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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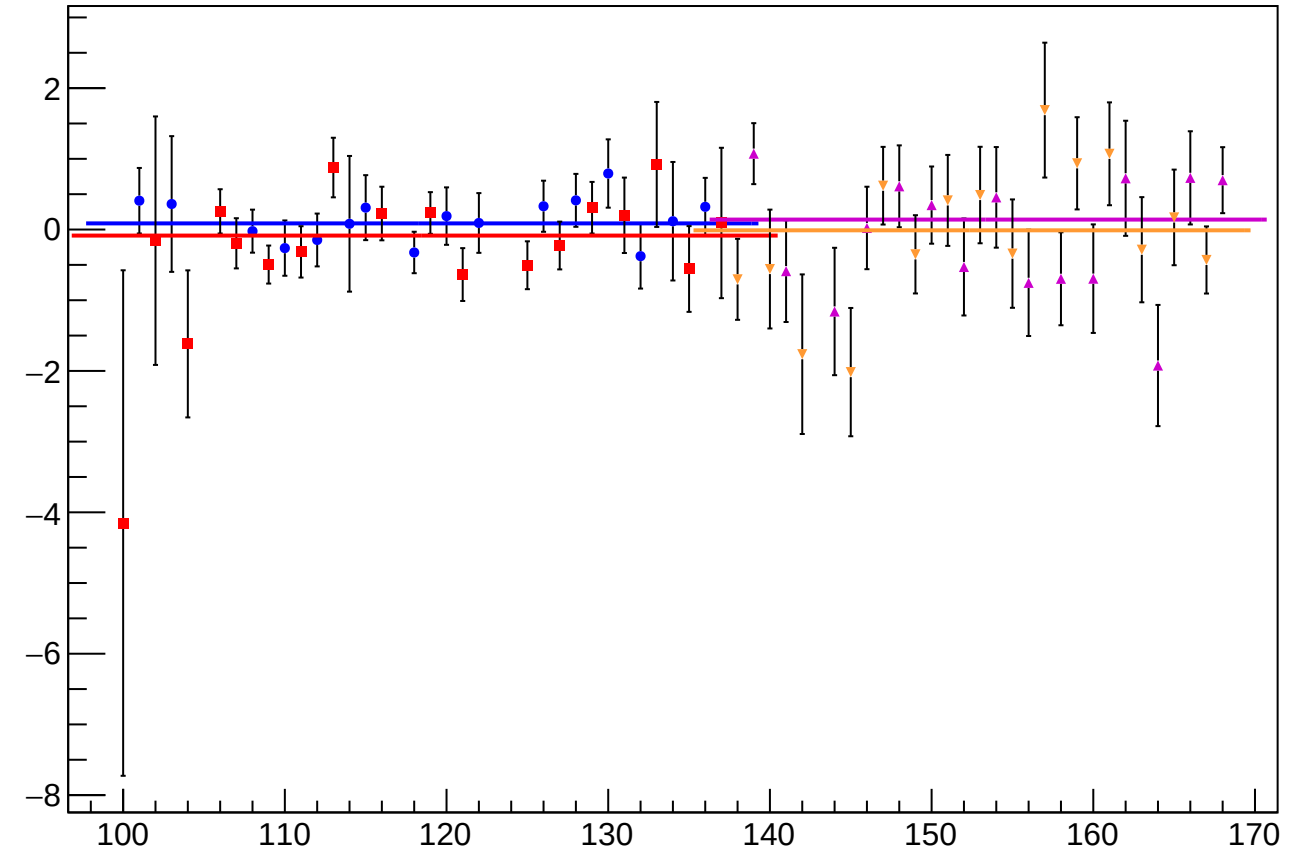
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 580.205+/-0.123 χ²/NDF:905170.6/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 554.151+/-0.116 χ²/NDF:1133862.0/14
Left: 566.370+/-0.084 χ²/NDF: 2062881.4/29
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 349.360+/-0.062 χ²/NDF:6858866.7/30
Out: 315.549+/-0.060 χ²/NDF:9024722.5/32
All: 331.783+/-0.043 χ²/NDF: 16035764.8/63



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.011+/-0.174 χ^2/NDF:20.5/14

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.141+/-0.163 χ^2/NDF:22.5/14

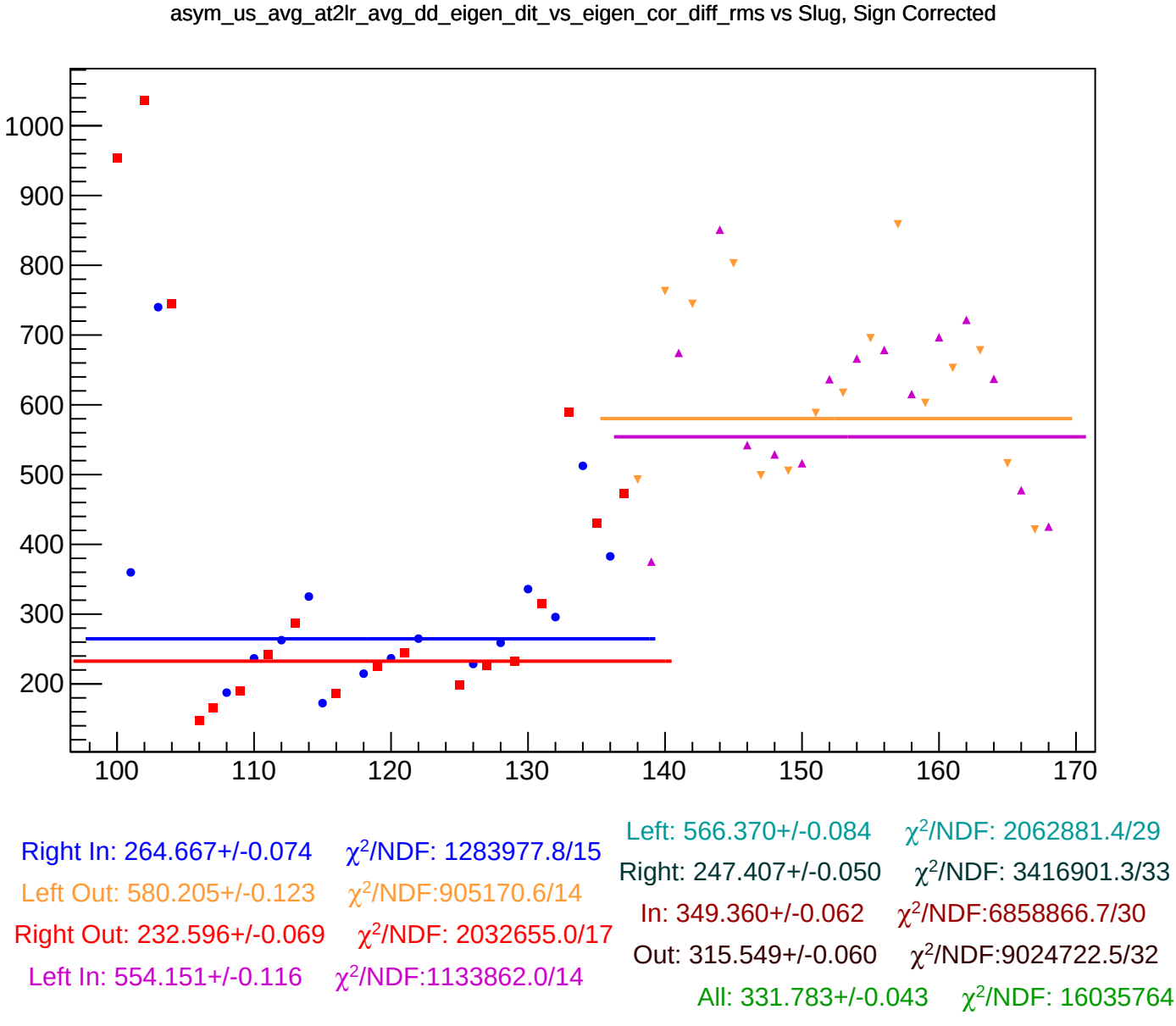
Left: 0.069+/-0.119 χ^2/NDF: 43.5/29

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.103+/-0.088 χ^2/NDF:31.5/30

Out: -0.068+/-0.085 χ^2/NDF:42.5/32

All: 0.014+/-0.061 χ^2/NDF: 75.9/63


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
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500
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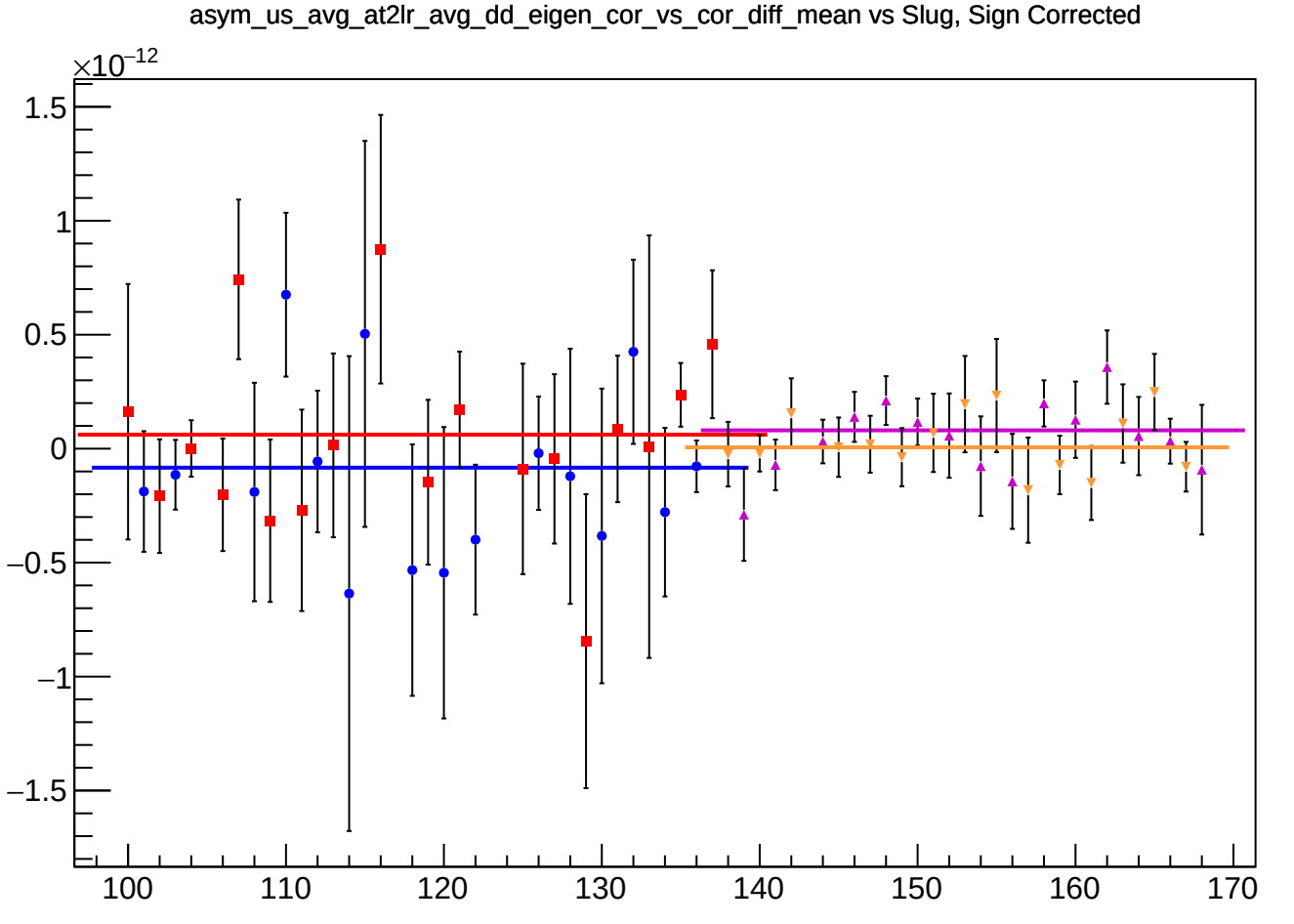
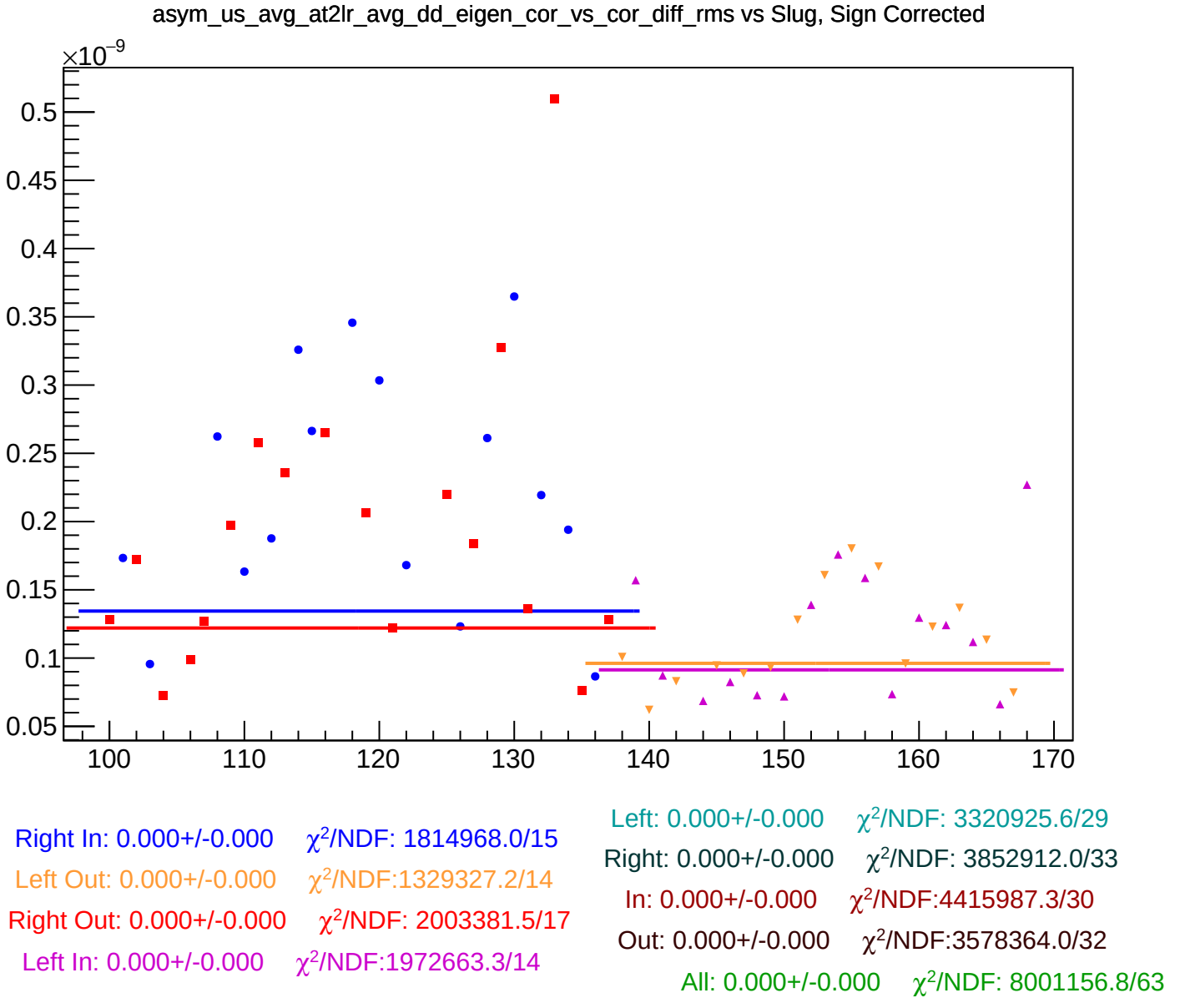
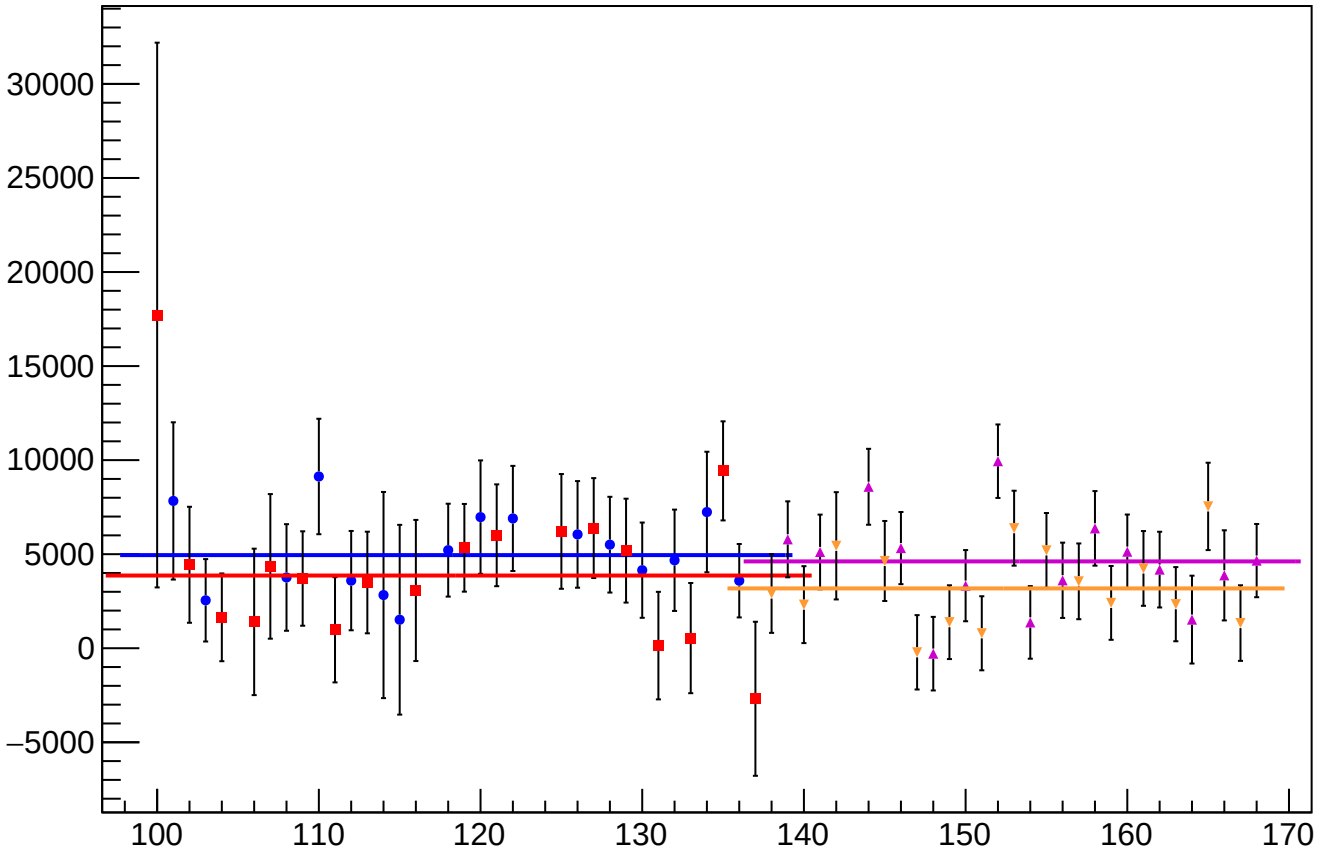
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 580.205+/-0.123 χ²/NDF:905170.6/14
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 554.151+/-0.116 χ²/NDF:1133862.0/14
Left: 566.370+/-0.084 χ²/NDF: 2062881.4/29
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 349.360+/-0.062 χ²/NDF:6858866.7/30
Out: 315.549+/-0.060 χ²/NDF:9024722.5/32
All: 331.783+/-0.043 χ²/NDF: 16035764.8/63


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:8.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:14.1/14
Left: 0.000+/-0.000 χ²/NDF: 24.4/29
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:28.3/30
Out: 0.000+/-0.000 χ²/NDF:24.4/32
All: 0.000+/-0.000 χ²/NDF: 53.2/63


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1329327.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1972663.3/14
Left: 0.000+/-0.000 χ²/NDF: 3320925.6/29
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4415987.3/30
Out: 0.000+/-0.000 χ²/NDF:3578364.0/32
All: 0.000+/-0.000 χ²/NDF: 8001156.8/63



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.427+/-531.468 χ^2/NDF:15.2/14

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4615.748+/-518.751 χ^2/NDF:24.4/14

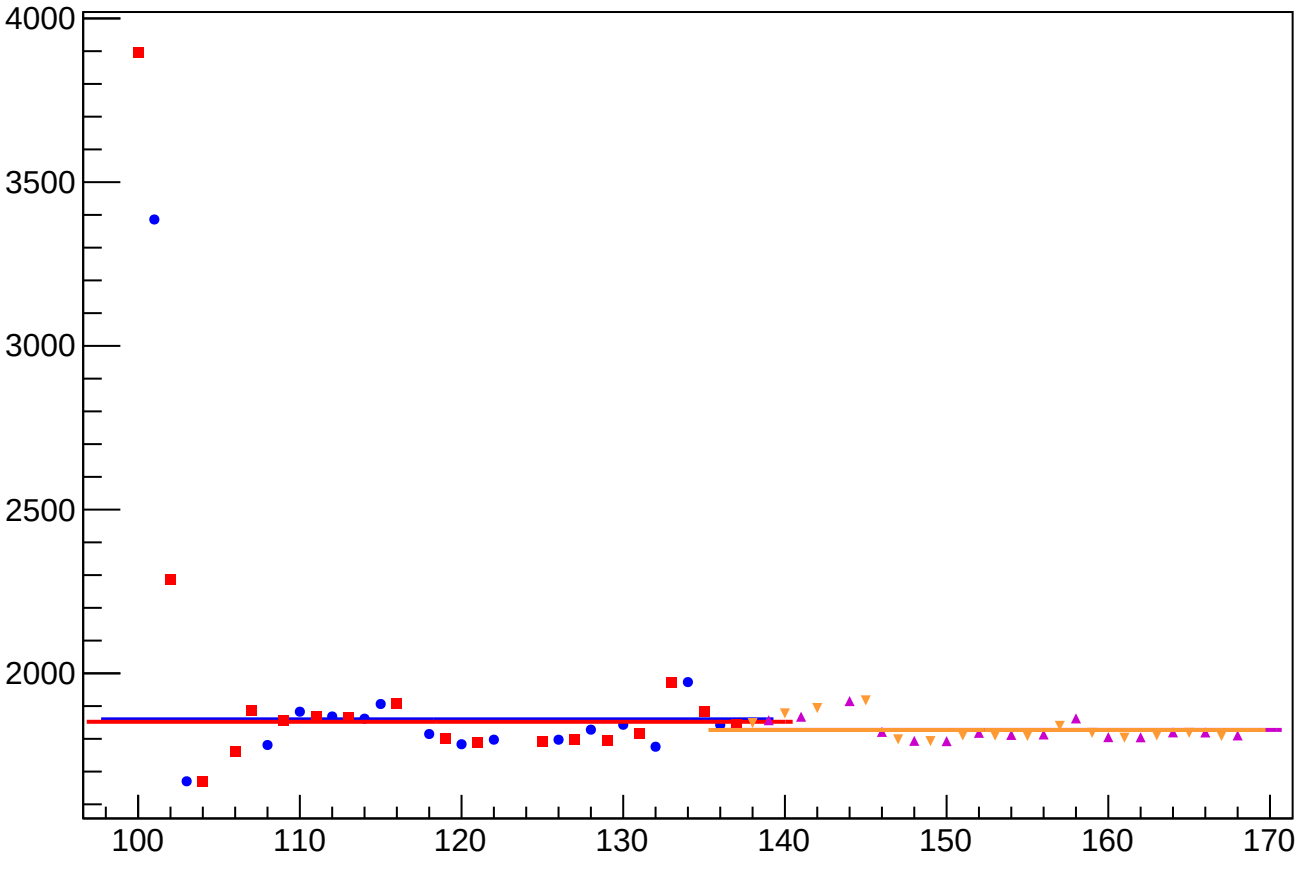
Left: 3914.977+/-371.227 χ^2/NDF: 43.4/29

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

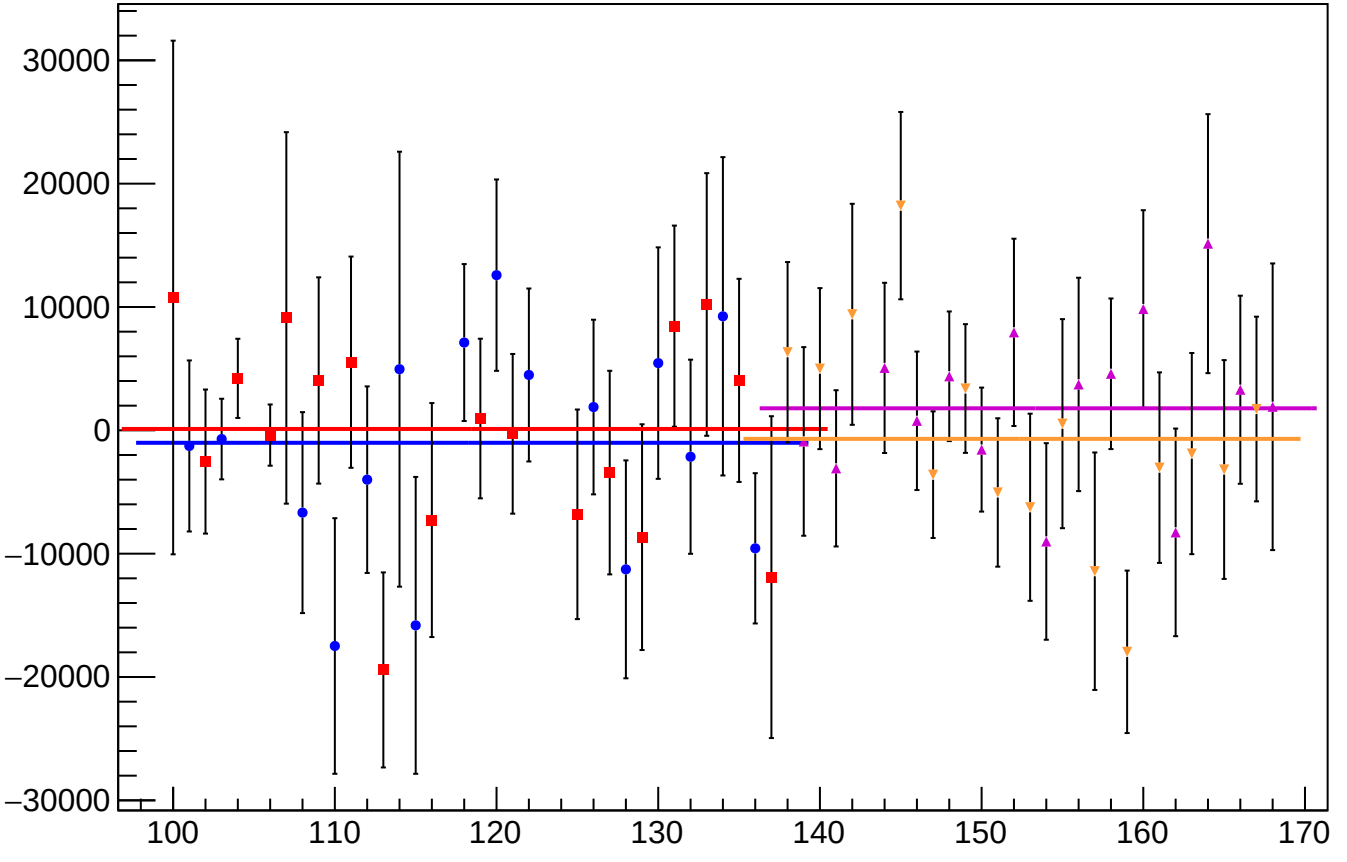
In: 4734.587+/-416.555 χ^2/NDF:31.4/30

Out: 3432.094+/-422.351 χ^2/NDF:32.0/32

All: 4092.339+/-296.577 χ^2/NDF: 68.2/63


reg_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292334.6/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.065+/-0.490 χ²/NDF: 102212.5/17
Left In: 1827.272+/-0.367 χ²/NDF:7895.3/14
Left: 1827.135+/-0.262 χ²/NDF: 16272.3/29
Right: 1855.759+/-0.348 χ²/NDF: 394661.4/33
In: 1838.723+/-0.295 χ²/NDF:302973.4/30
Out: 1836.266+/-0.298 χ²/NDF:112235.7/32
All: 1837.510+/-0.210 χ²/NDF: 415243.5/63

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: -692.006+/-1820.474 χ^2/NDF:19.6/14

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1786.325+/-1804.249 χ^2/NDF:8.5/14

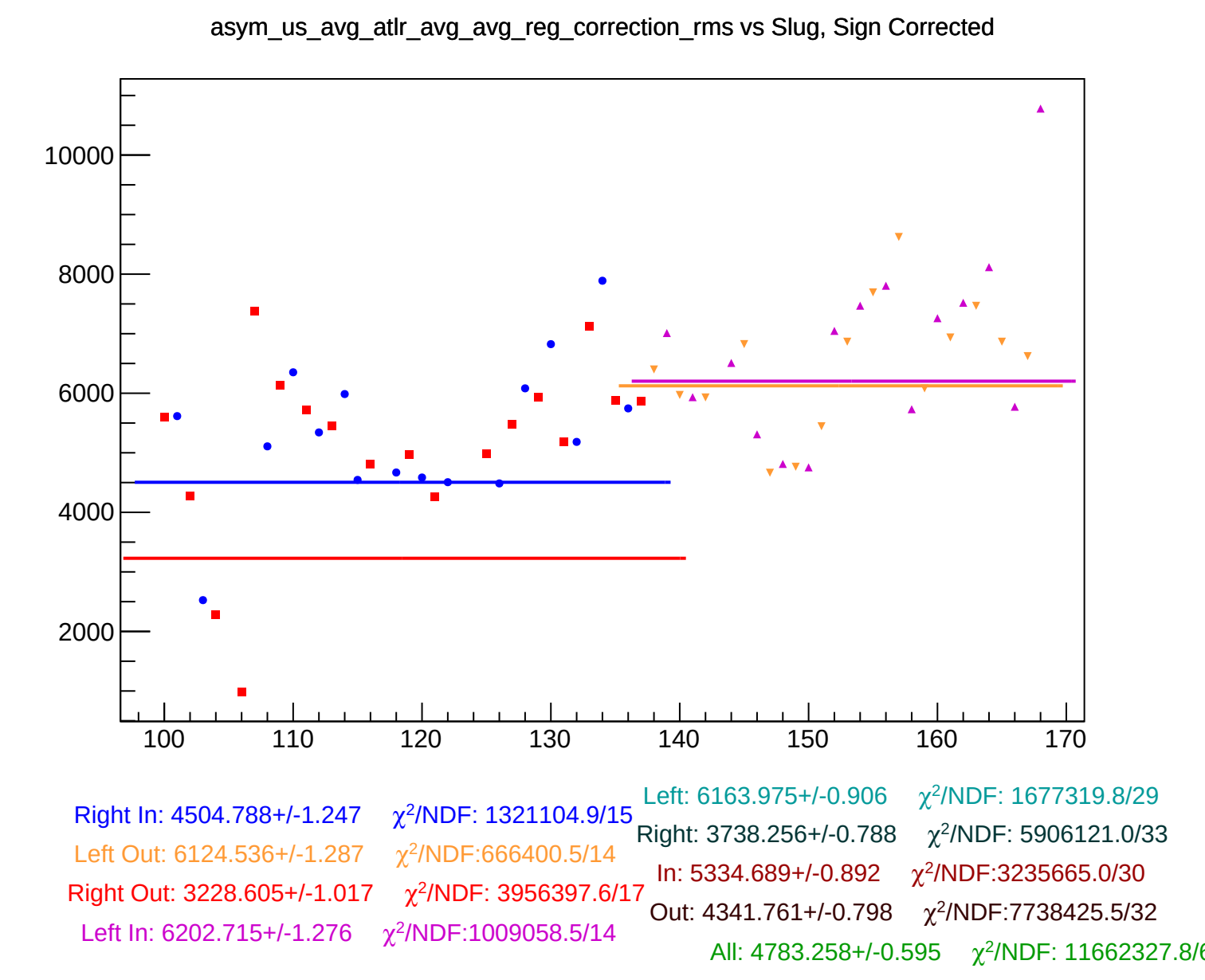
Left: 558.253+/-1281.495 χ^2/NDF: 29.0/29

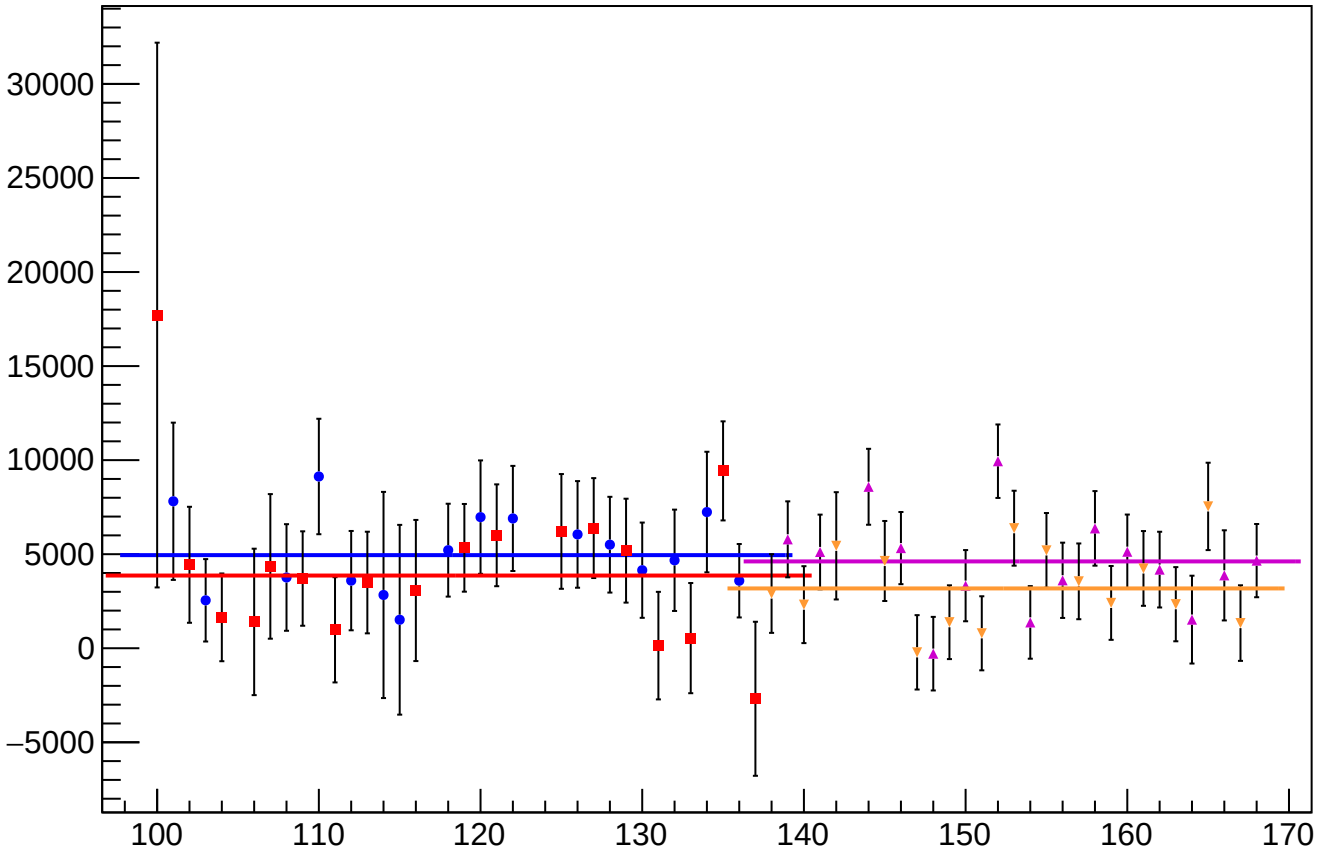
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 356.621+/-1261.392 χ^2/NDF:24.5/30

Out: -197.504+/-1128.674 χ^2/NDF:34.3/32

All: 48.883+/-841.114 χ^2/NDF: 58.9/63


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 6124.536+/-1.287 χ²/NDF:666400.5/14
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6202.715+/-1.276 χ²/NDF:1009058.5/14
Left: 6163.975+/-0.906 χ²/NDF: 1677319.8/29
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5334.689+/-0.892 χ²/NDF:3235665.0/30
Out: 4341.761+/-0.798 χ²/NDF:7738425.5/32
All: 4783.258+/-0.595 χ²/NDF: 11662327.8/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.337+/-531.468 χ^2/NDF:15.2/14

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4615.868+/-518.751 χ^2/NDF:24.4/14

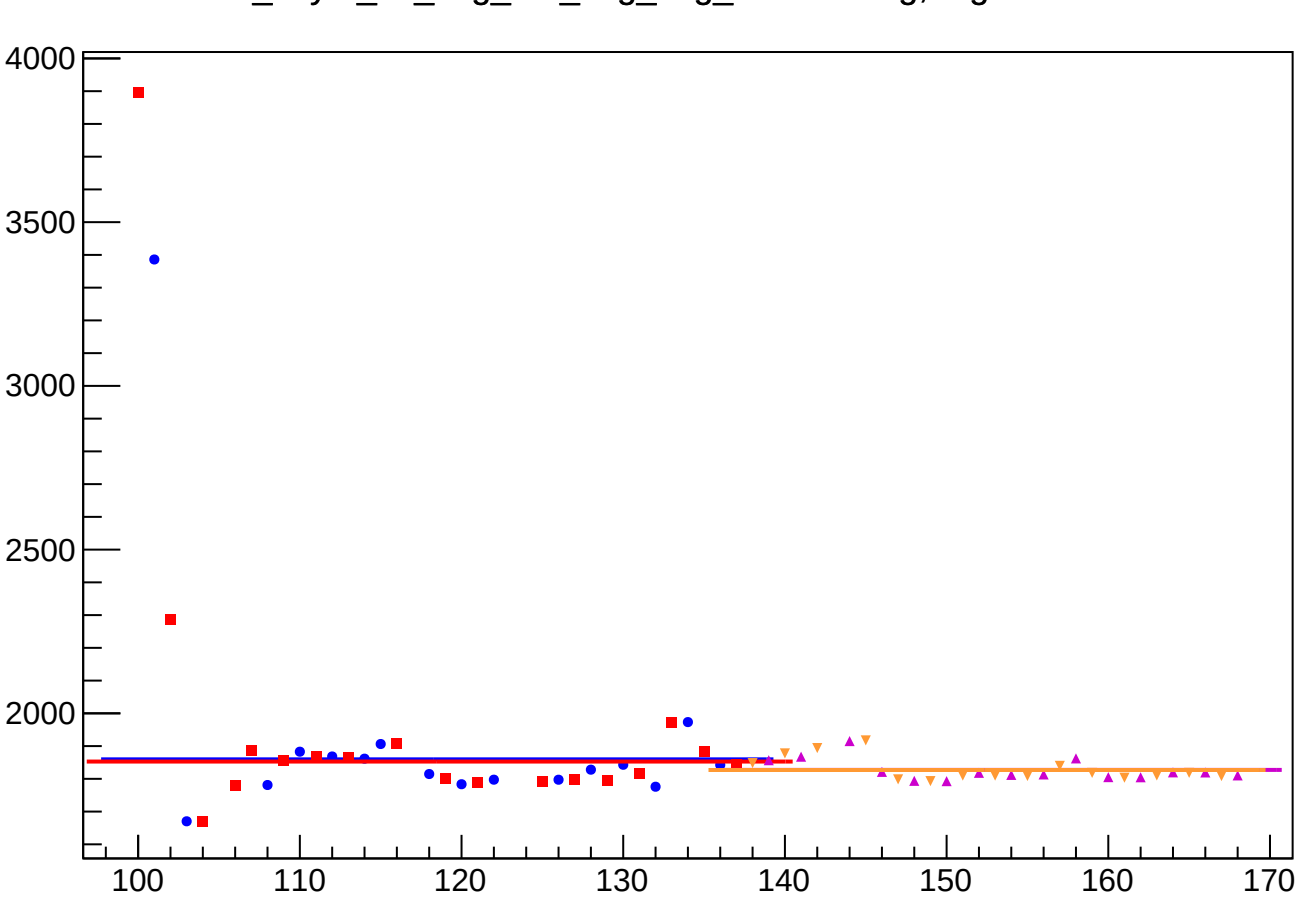
Left: 3914.995+/-371.227 χ^2/NDF: 43.4/29

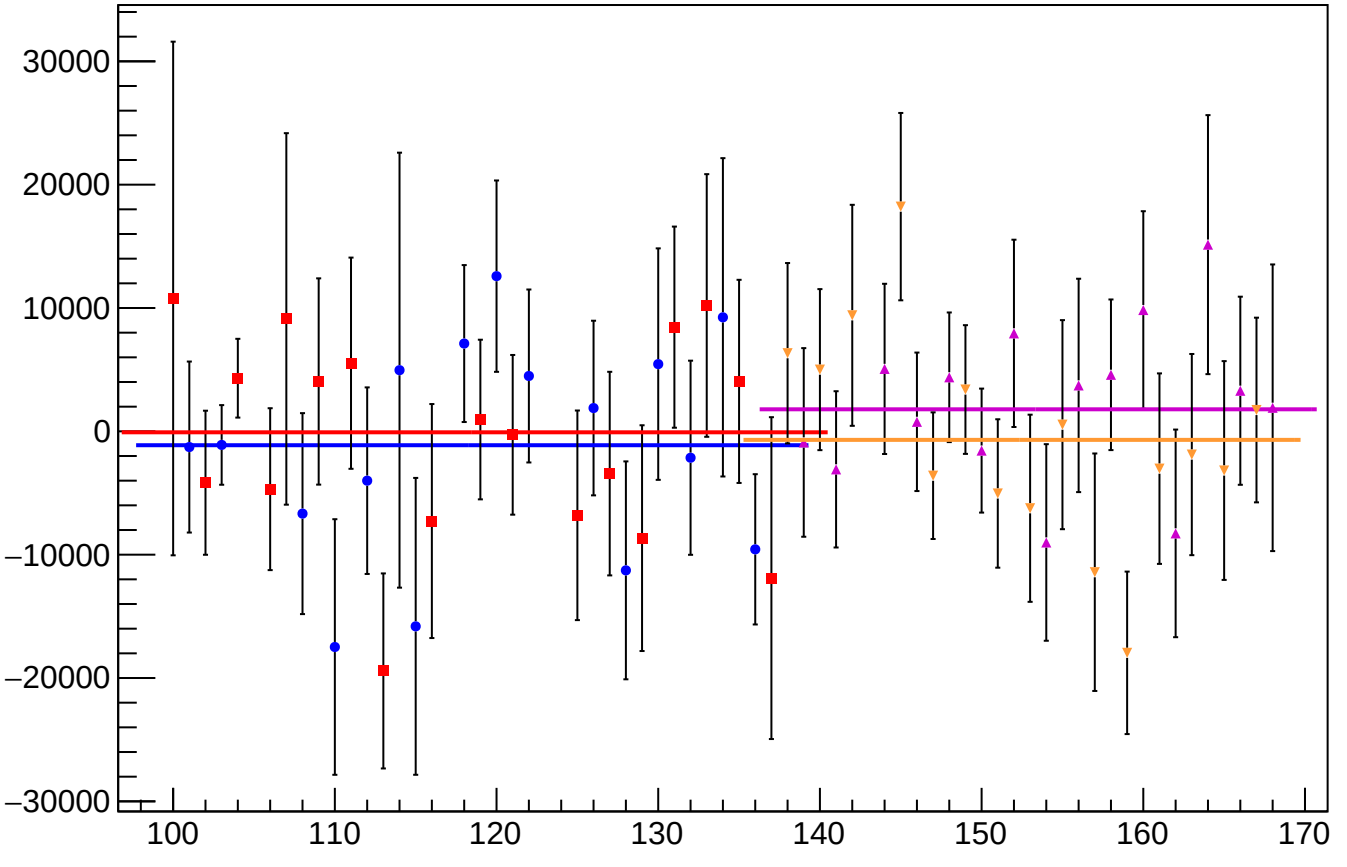
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4734.493+/-416.555 χ^2/NDF:31.4/30

Out: 3431.958+/-422.351 χ^2/NDF:32.0/32

All: 4092.224+/-296.577 χ^2/NDF: 68.2/63


cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1827.272+/-0.367 χ²/NDF:7895.3/14
Left: 1827.135+/-0.262 χ²/NDF: 16272.3/29
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1838.723+/-0.295 χ²/NDF:302975.3/30
Out: 1836.523+/-0.298 χ²/NDF:111867.0/32
All: 1837.637+/-0.210 χ²/NDF: 414869.8/63



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -692.049+/-1820.472 χ^2/NDF:19.6/14

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1786.497+/-1804.249 χ^2/NDF:8.5/14

Left: 558.317+/-1281.494 χ^2/NDF: 29.0/29

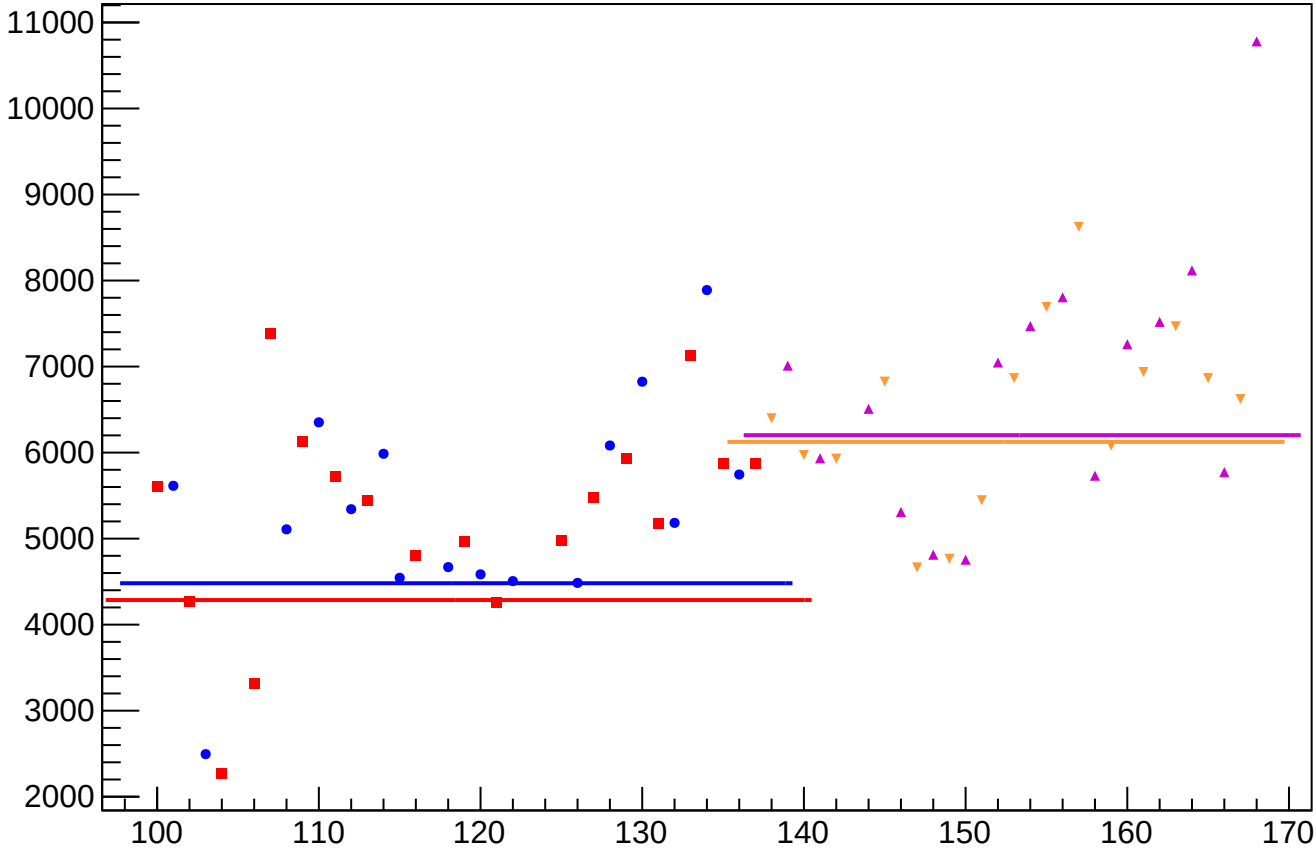
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 292.561+/-1259.081 χ^2/NDF:24.6/30

Out: -364.619+/-1243.443 χ^2/NDF:35.2/32

All: -40.136+/-884.724 χ^2/NDF: 59.9/63

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6124.528+/-1.287 χ^2/NDF:666406.4/14

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6202.715+/-1.276 χ^2/NDF:1009066.0/14

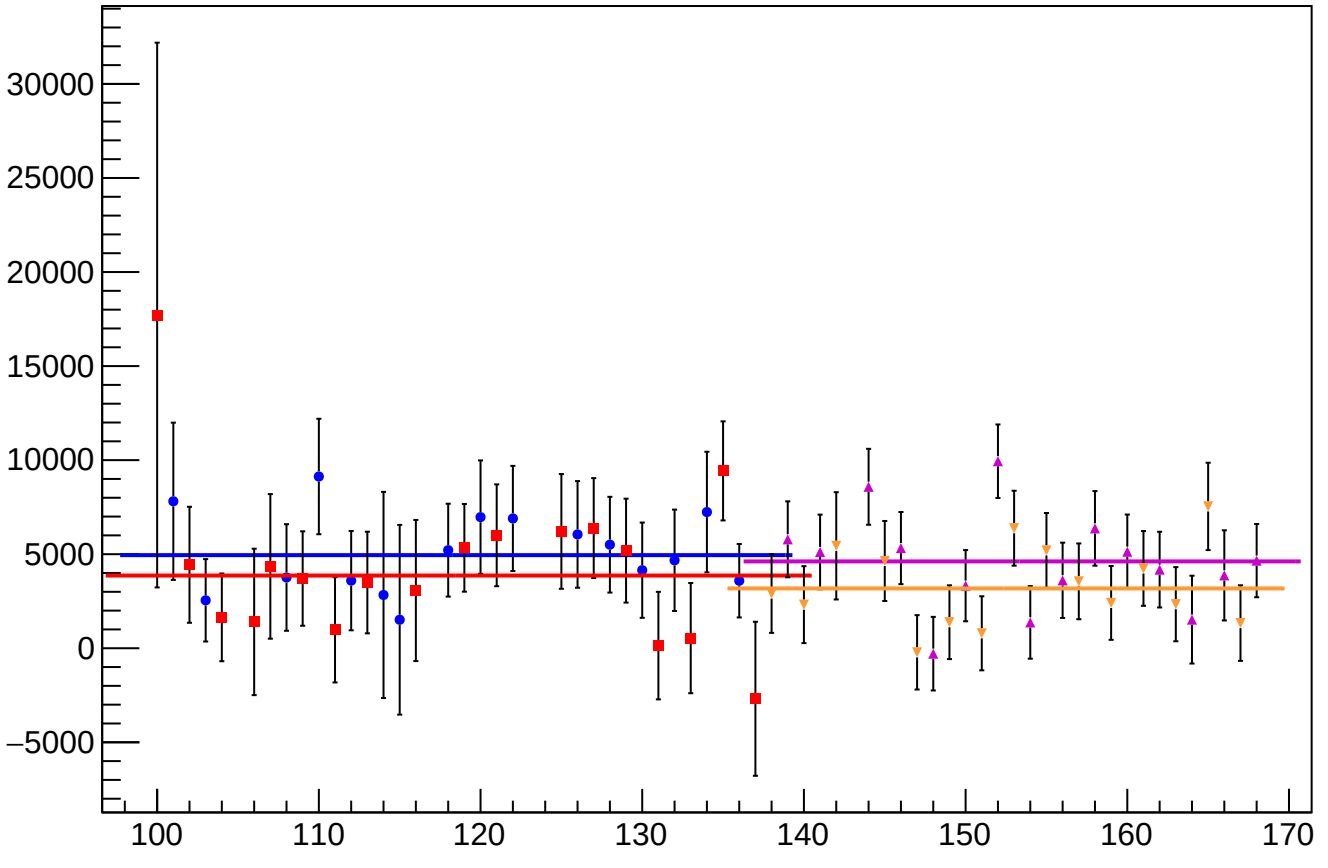
Left: 6163.971+/-0.906 χ^2/NDF: 1677333.5/29

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5319.713+/-0.890 χ^2/NDF:3305067.7/30

Out: 5143.804+/-0.879 χ^2/NDF:3304311.4/32

All: 5230.659+/-0.626 χ^2/NDF: 6629142.7/63



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3179.337+/-531.468 χ^2/NDF:15.2/14

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4615.868+/-518.751 χ^2/NDF:24.4/14

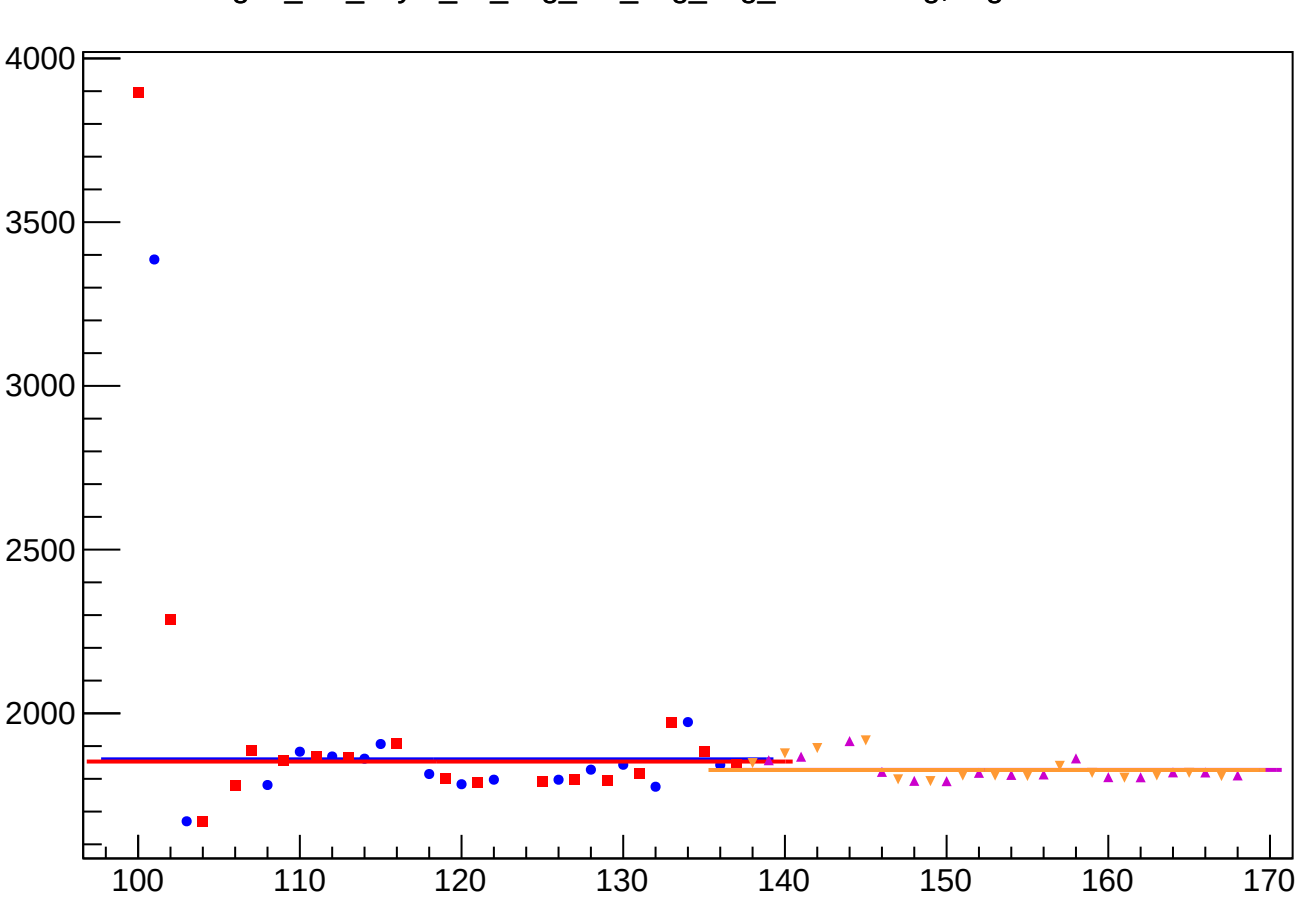
Left: 3914.995+/-371.227 χ^2/NDF: 43.4/29

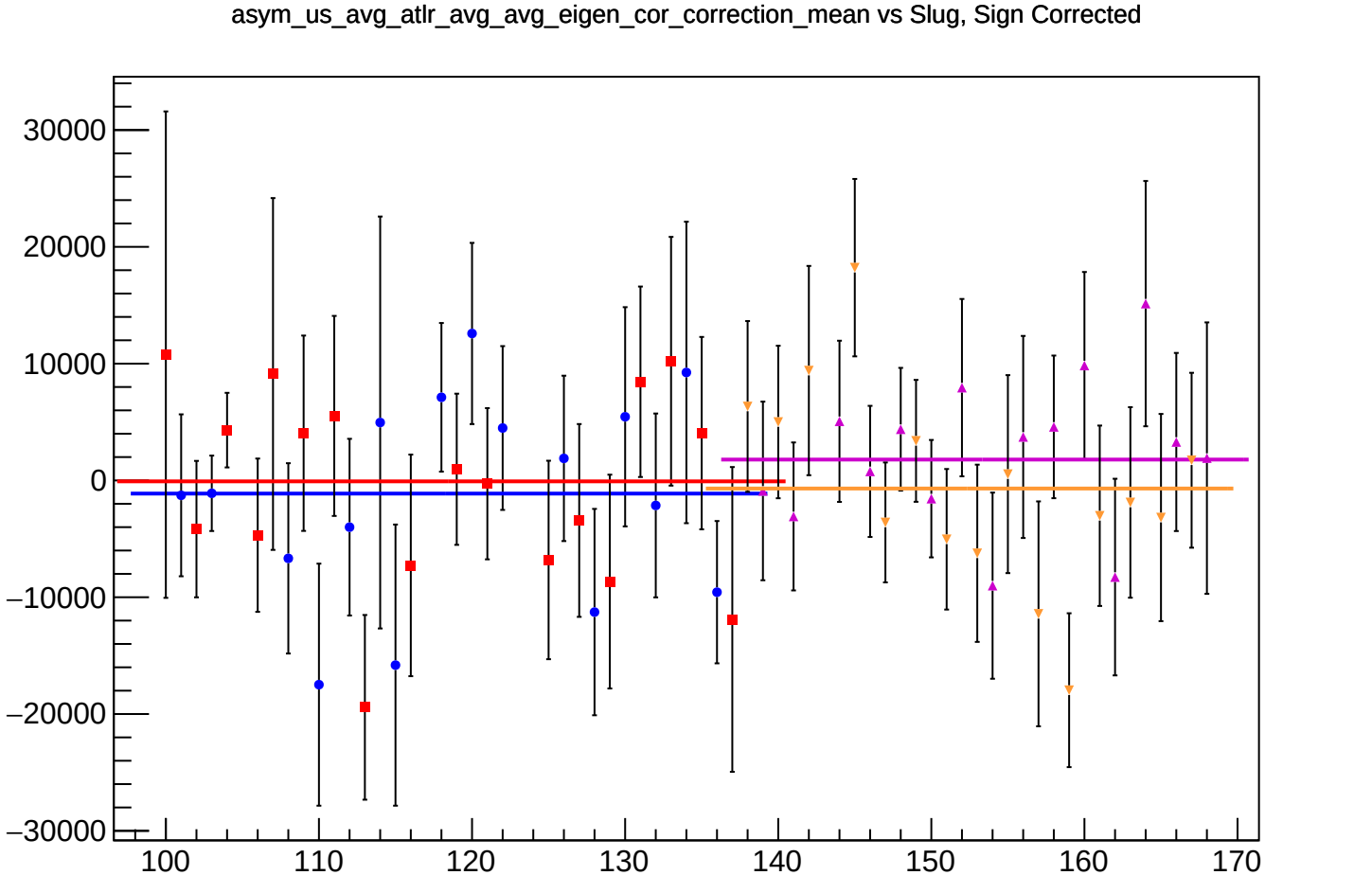
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4734.493+/-416.555 χ^2/NDF:31.4/30

Out: 3431.958+/-422.351 χ^2/NDF:32.0/32

All: 4092.224+/-296.577 χ^2/NDF: 68.2/63


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1826.991+/-0.376 χ²/NDF:8376.7/14
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1827.272+/-0.367 χ²/NDF:7895.3/14
Left: 1827.135+/-0.262 χ²/NDF: 16272.3/29
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1838.723+/-0.295 χ²/NDF:302975.3/30
Out: 1836.523+/-0.298 χ²/NDF:111867.0/32
All: 1837.637+/-0.210 χ²/NDF: 414869.8/63



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -692.049+/-1820.472 χ^2/NDF:19.6/14

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1786.497+/-1804.249 χ^2/NDF:8.5/14

Left: 558.317+/-1281.494 χ^2/NDF: 29.0/29

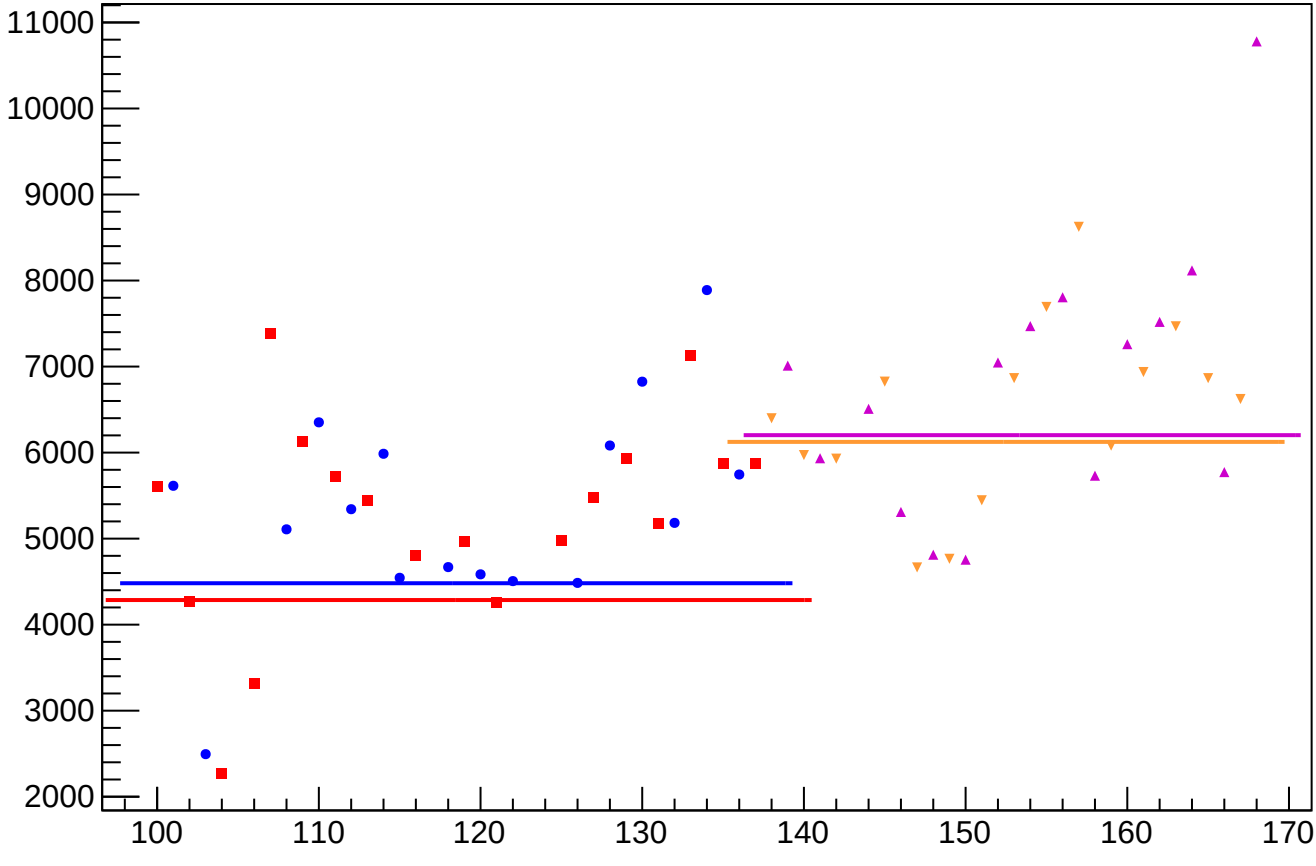
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 292.561+/-1259.081 χ^2/NDF:24.6/30

Out: -364.619+/-1243.443 χ^2/NDF:35.2/32

All: -40.136+/-884.724 χ^2/NDF: 59.9/63

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6124.528+/-1.287 χ^2/NDF:666406.4/14

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6202.715+/-1.276 χ^2/NDF:1009066.0/14

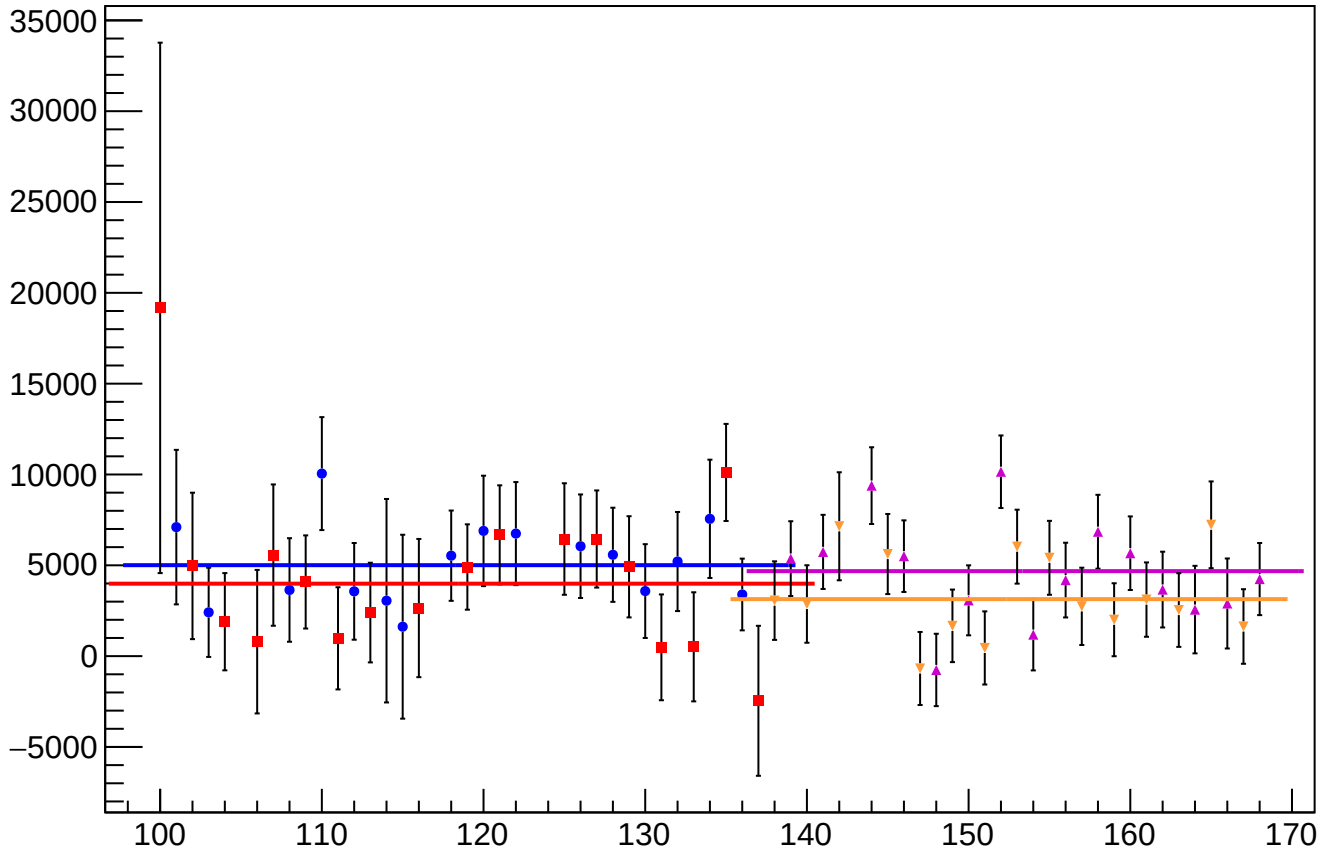
Left: 6163.971+/-0.906 χ^2/NDF: 1677333.5/29

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5319.713+/-0.890 χ^2/NDF:3305067.7/30

Out: 5143.804+/-0.879 χ^2/NDF:3304311.4/32

All: 5230.659+/-0.626 χ^2/NDF: 6629142.7/63



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3137.287+/-546.934 χ^2/NDF:16.2/14

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4679.314+/-532.365 χ^2/NDF:27.3/14

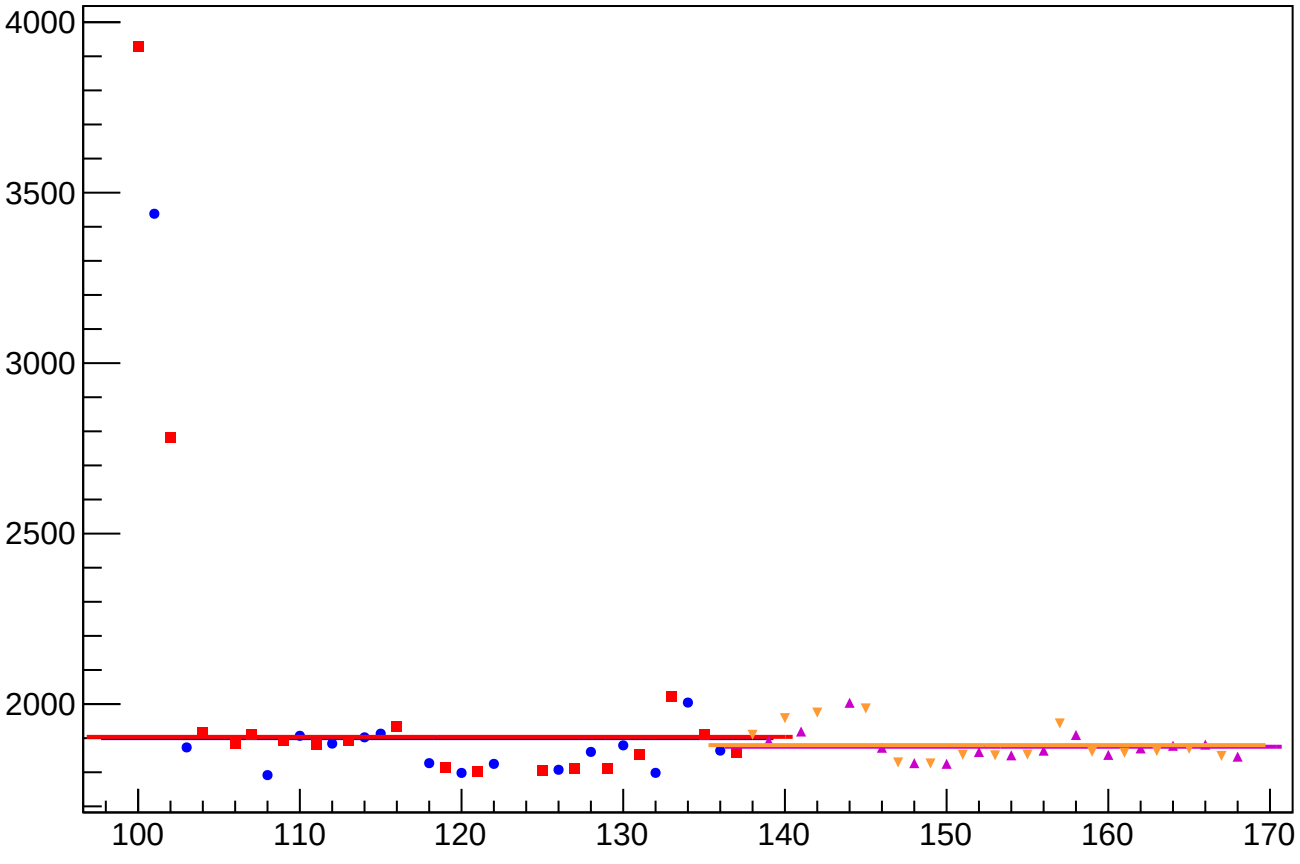
Left: 3929.111+/-381.486 χ^2/NDF: 47.6/29

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4796.496+/-426.803 χ^2/NDF:35.1/30

Out: 3449.536+/-435.309 χ^2/NDF:34.5/32

All: 4136.305+/-304.758 χ^2/NDF: 74.5/63



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1879.579+/-0.387 χ^2/NDF:16766.6/14

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1874.864+/-0.376 χ^2/NDF:12882.4/14

Left: 1877.158+/-0.270 χ^2/NDF: 29725.4/29

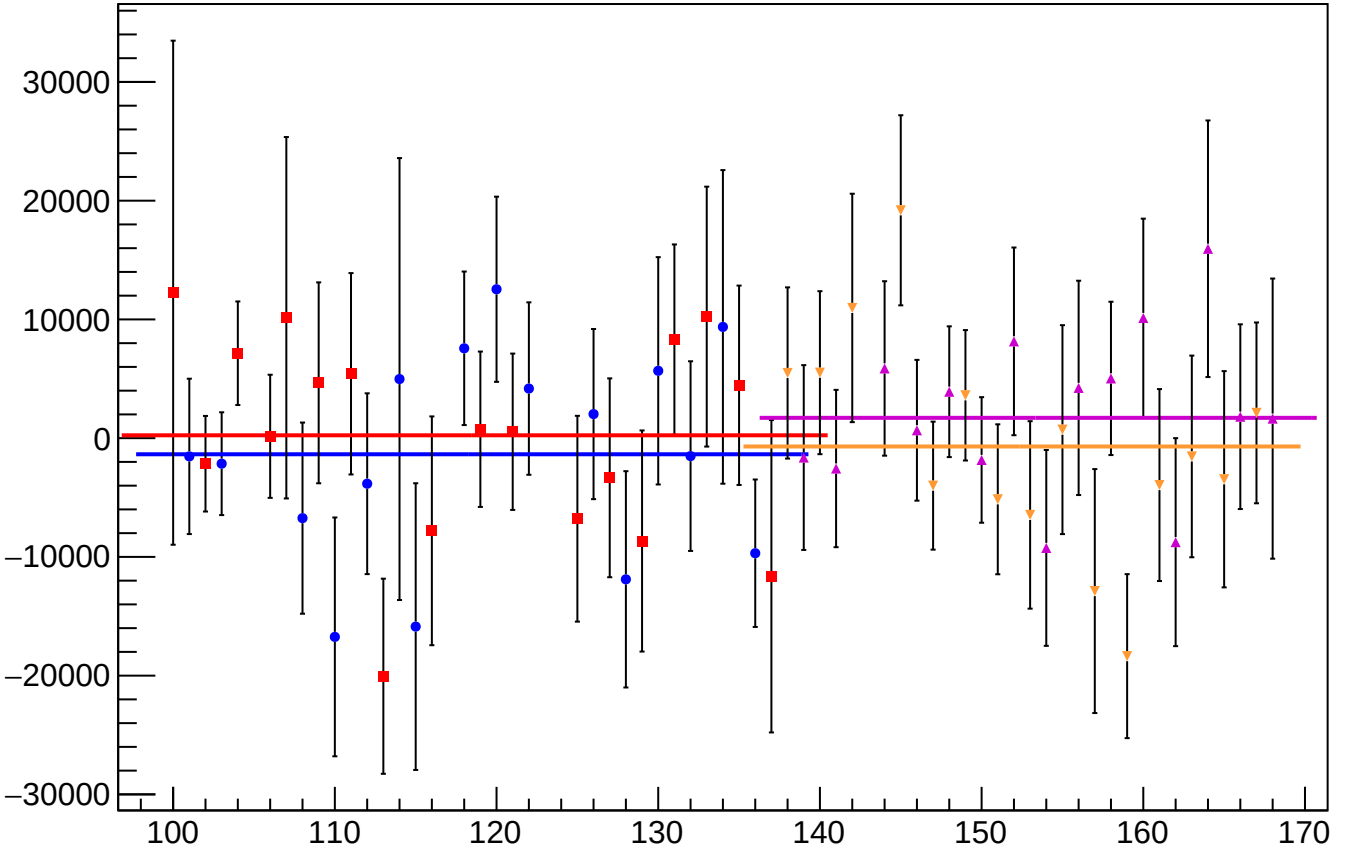
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1883.884+/-0.302 χ^2/NDF:292937.7/30

Out: 1888.479+/-0.308 χ^2/NDF:168325.3/32

All: 1886.137+/-0.215 χ^2/NDF: 461376.7/63

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -701.473+/-1898.507 χ^2/NDF:19.6/14

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1711.798+/-1884.304 χ^2/NDF:8.5/14

Left: 514.223+/-1337.397 χ^2/NDF: 28.9/29

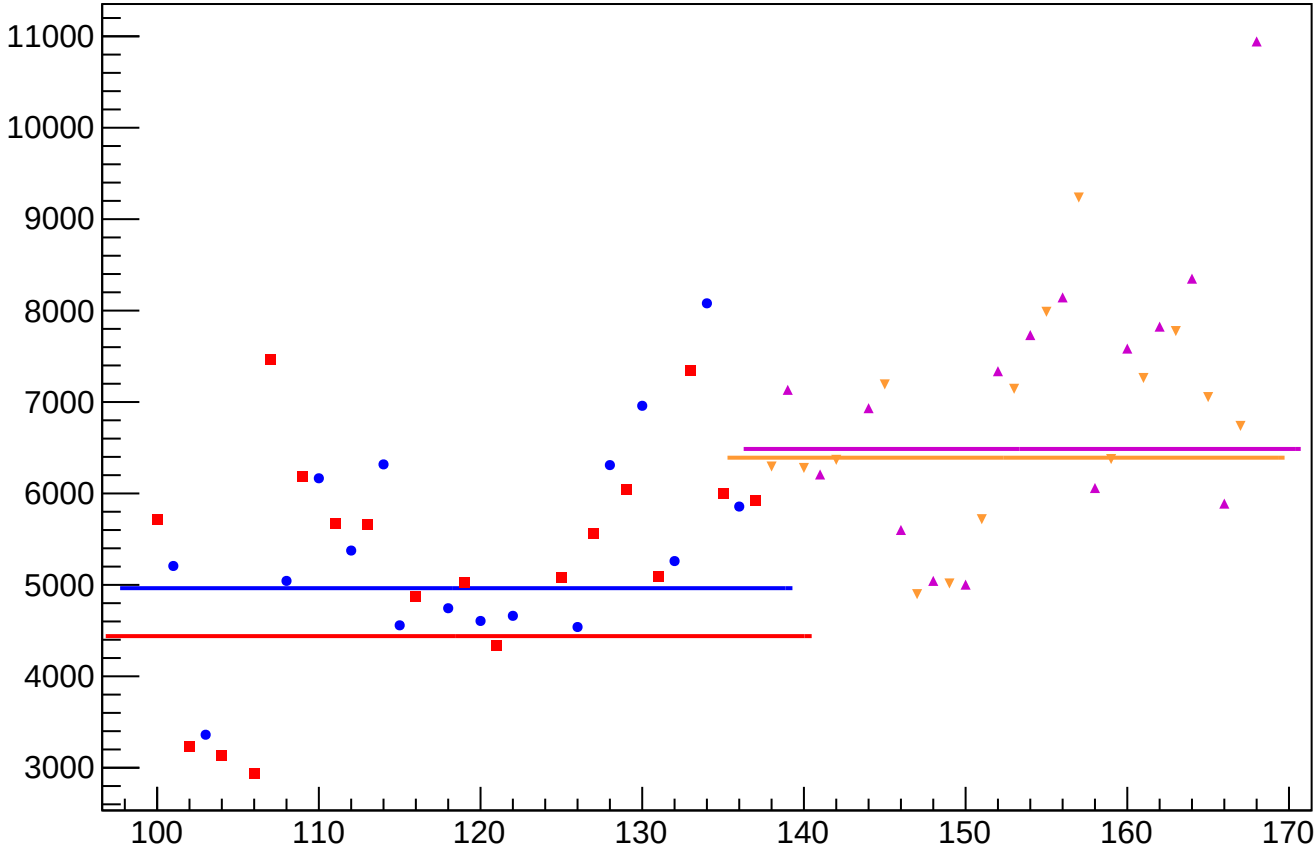
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 187.077+/-1336.517 χ^2/NDF:24.5/30

Out: -181.782+/-1271.684 χ^2/NDF:35.5/32

All: -6.516+/-921.284 χ^2/NDF: 60.0/63

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6391.196+/-1.342 χ^2/NDF:651273.5/14

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6486.761+/-1.332 χ^2/NDF:947180.8/14

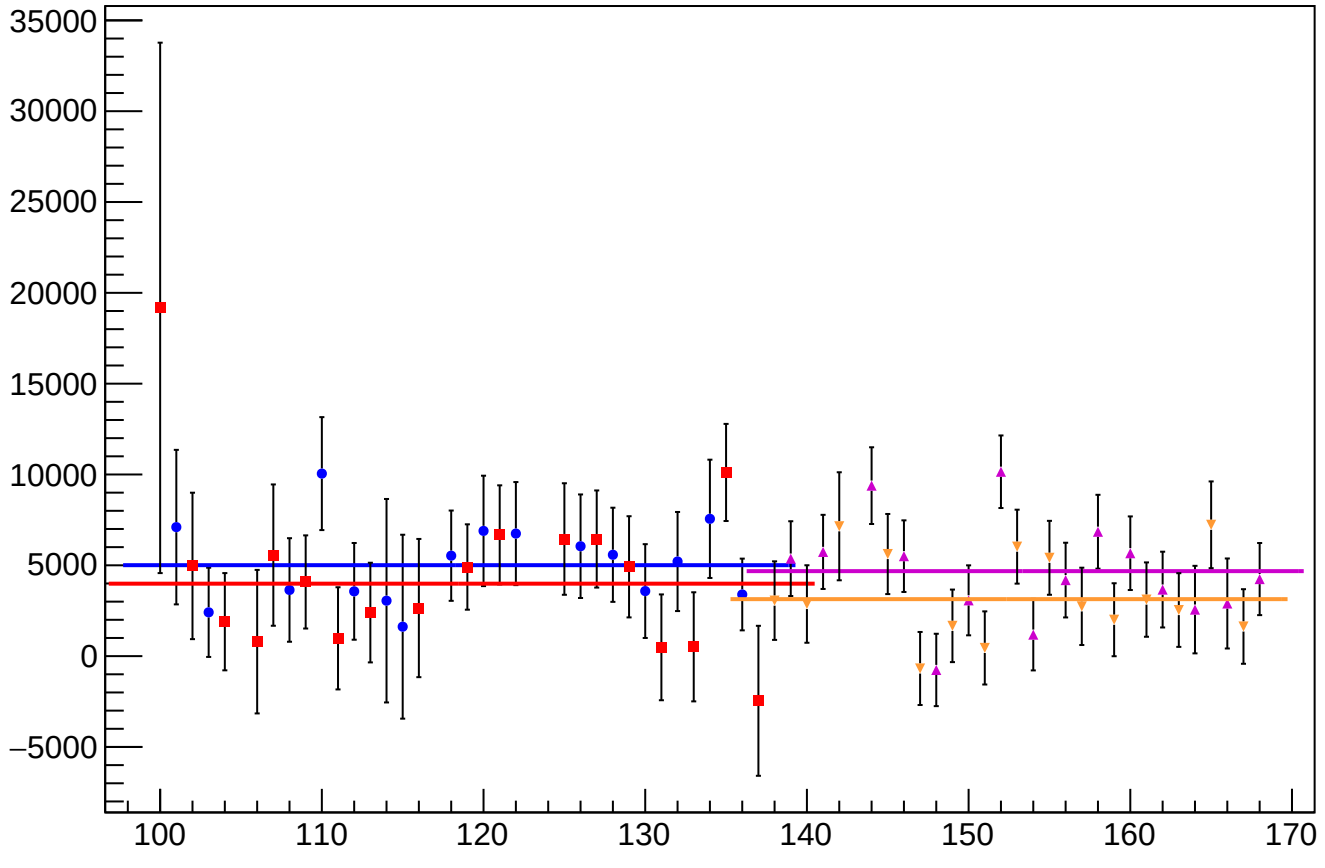
Left: 6439.337+/-0.946 χ^2/NDF: 1601007.1/29

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5730.087+/-0.945 χ^2/NDF:2223594.2/30

Out: 5315.279+/-0.899 χ^2/NDF:2974869.9/32

All: 5512.378+/-0.651 χ^2/NDF: 5299576.4/63



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3137.277+/-546.934 χ^2/NDF:16.2/14

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4679.317+/-532.366 χ^2/NDF:27.3/14

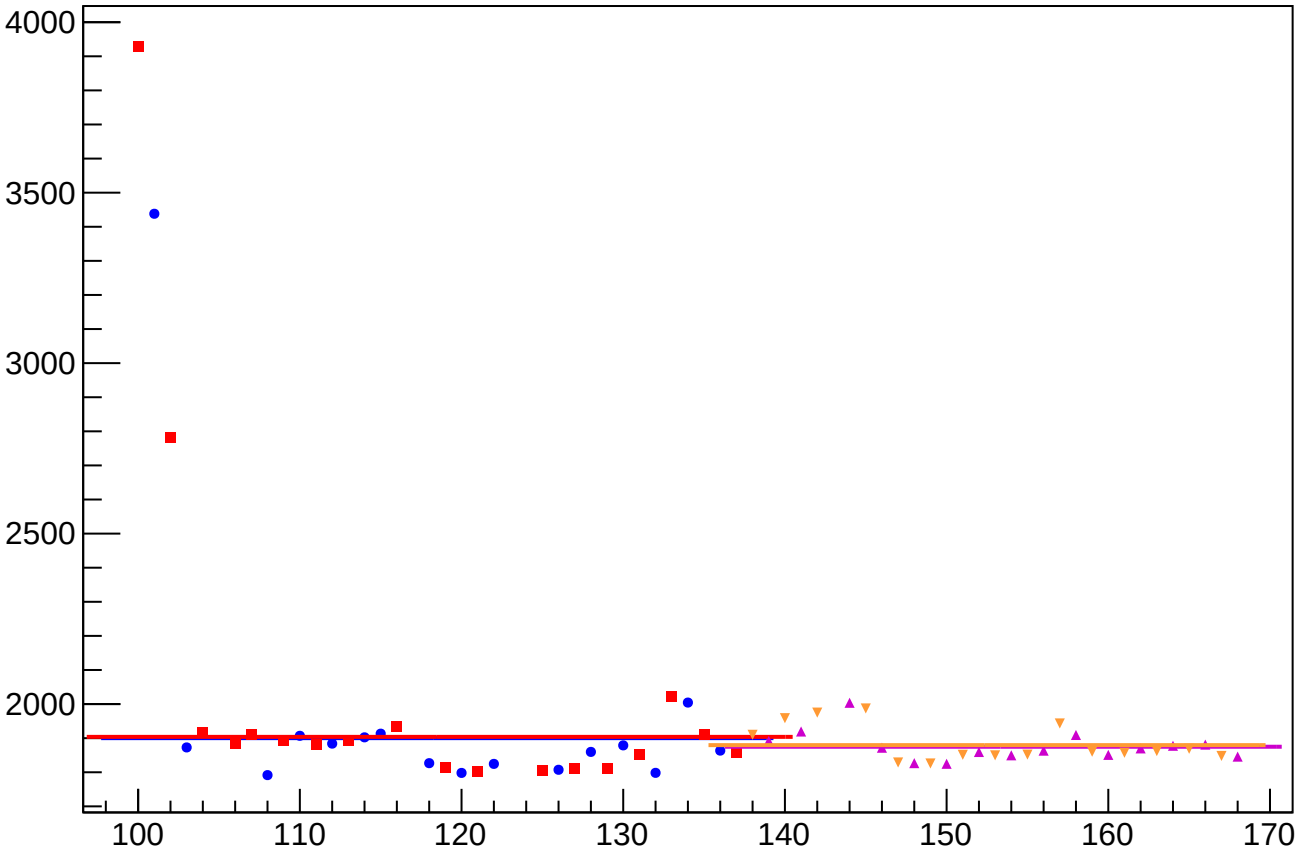
Left: 3929.108+/-381.486 χ^2/NDF: 47.6/29

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4796.497+/-426.803 χ^2/NDF:35.1/30

Out: 3449.529+/-435.310 χ^2/NDF:34.5/32

All: 4136.302+/-304.758 χ^2/NDF: 74.5/63



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1879.580+/-0.387 χ^2/NDF:16766.9/14

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1874.865+/-0.376 χ^2/NDF:12882.6/14

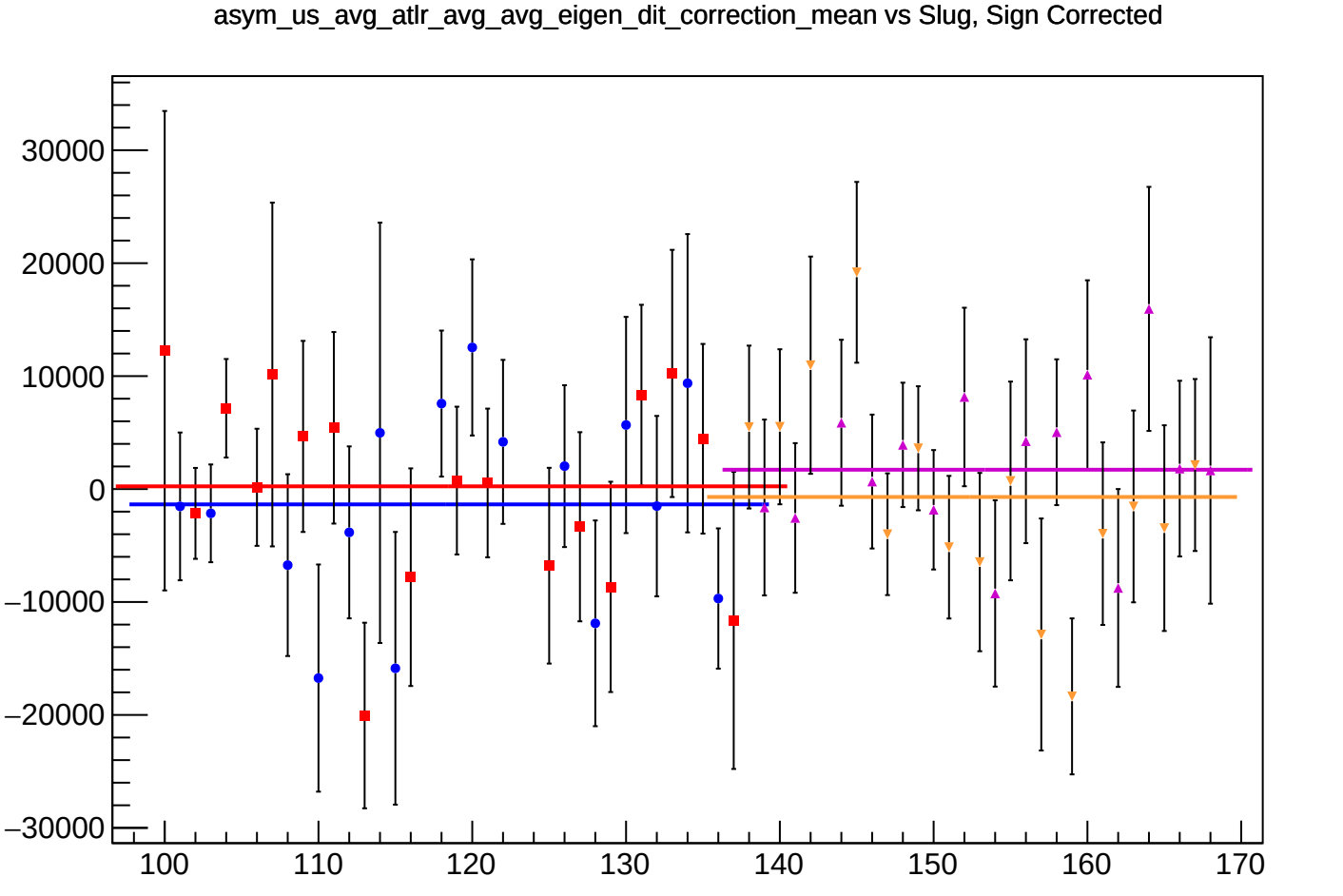
Left: 1877.159+/-0.270 χ^2/NDF: 29725.8/29

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1883.885+/-0.302 χ^2/NDF:292937.8/30

Out: 1888.479+/-0.308 χ^2/NDF:168324.6/32

All: 1886.138+/-0.215 χ^2/NDF: 461376.1/63



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -701.482+/-1898.510 χ^2/NDF:19.6/14

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1711.799+/-1884.307 χ^2/NDF:8.5/14

Left: 514.219+/-1337.400 χ^2/NDF: 28.9/29

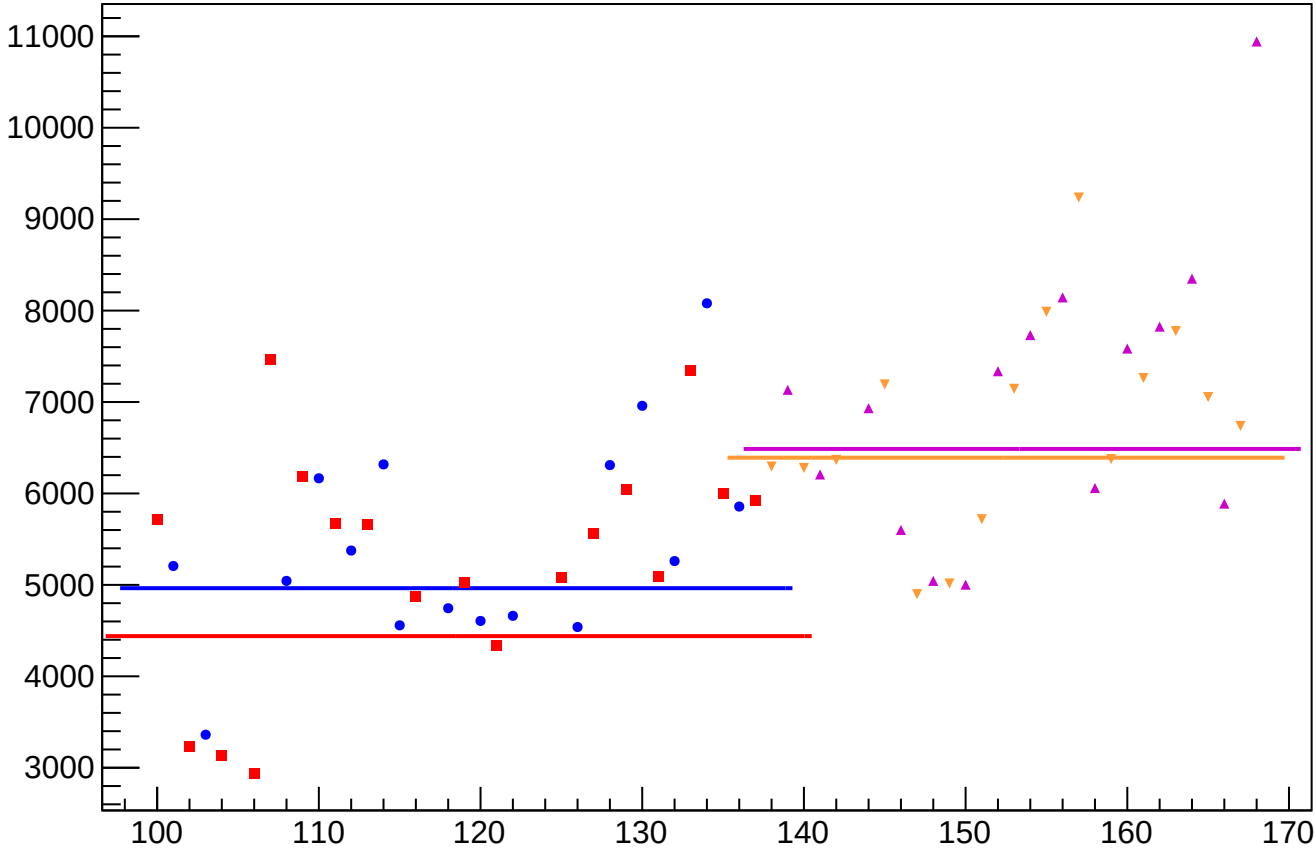
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: 187.076+/-1336.516 χ^2/NDF:24.5/30

Out: -181.783+/-1271.683 χ^2/NDF:35.5/32

All: -6.517+/-921.283 χ^2/NDF: 60.0/63

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6391.206+/-1.342 χ^2/NDF:651276.0/14

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6486.771+/-1.332 χ^2/NDF:947182.1/14

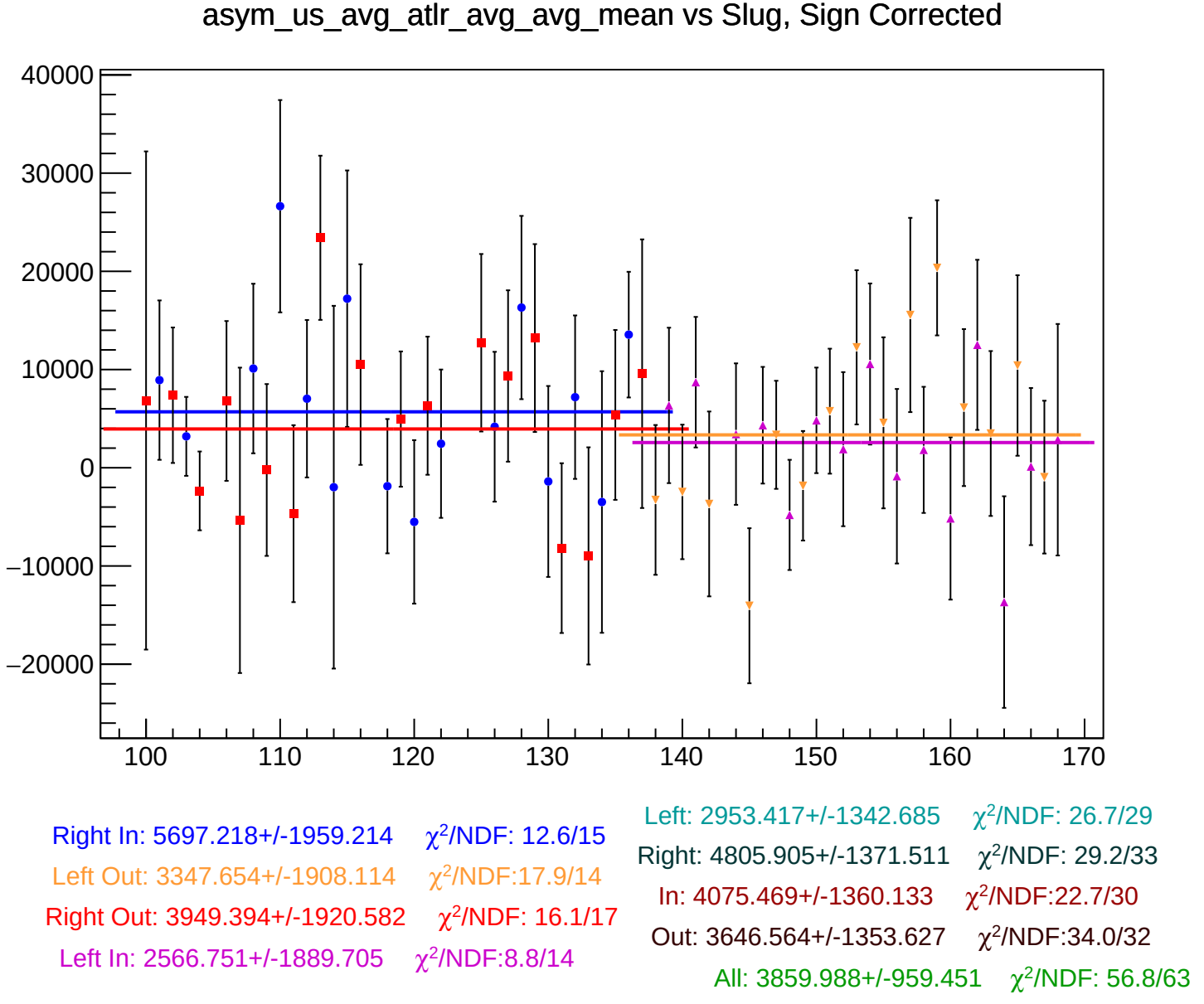
Left: 6439.347+/-0.946 χ^2/NDF: 1601011.0/29

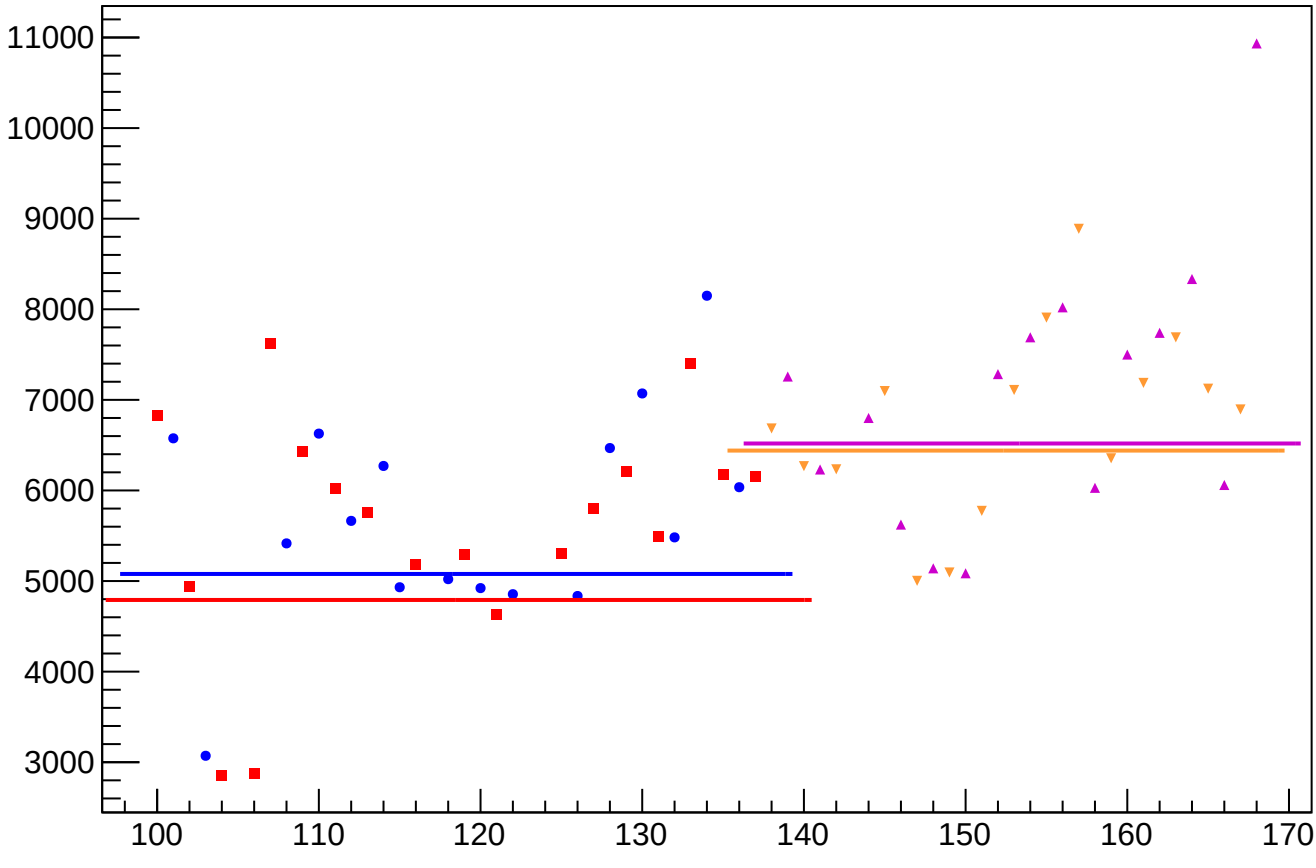
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5730.082+/-0.945 χ^2/NDF:2223618.3/30

Out: 5315.273+/-0.899 χ^2/NDF:2974898.0/32

All: 5512.373+/-0.651 χ^2/NDF: 5299629.4/63


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 3347.654+/-1908.114 χ²/NDF:17.9/14
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 2566.751+/-1889.705 χ²/NDF:8.8/14
Left: 2953.417+/-1342.685 χ²/NDF: 26.7/29
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4075.469+/-1360.133 χ²/NDF:22.7/30
Out: 3646.564+/-1353.627 χ²/NDF:34.0/32
All: 3859.988+/-959.451 χ²/NDF: 56.8/63



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6440.102+/-1.349 χ^2/NDF:566767.9/14

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6518.339+/-1.336 χ^2/NDF:873360.0/14

Left: 6479.600+/-0.949 χ^2/NDF: 1441825.4/29

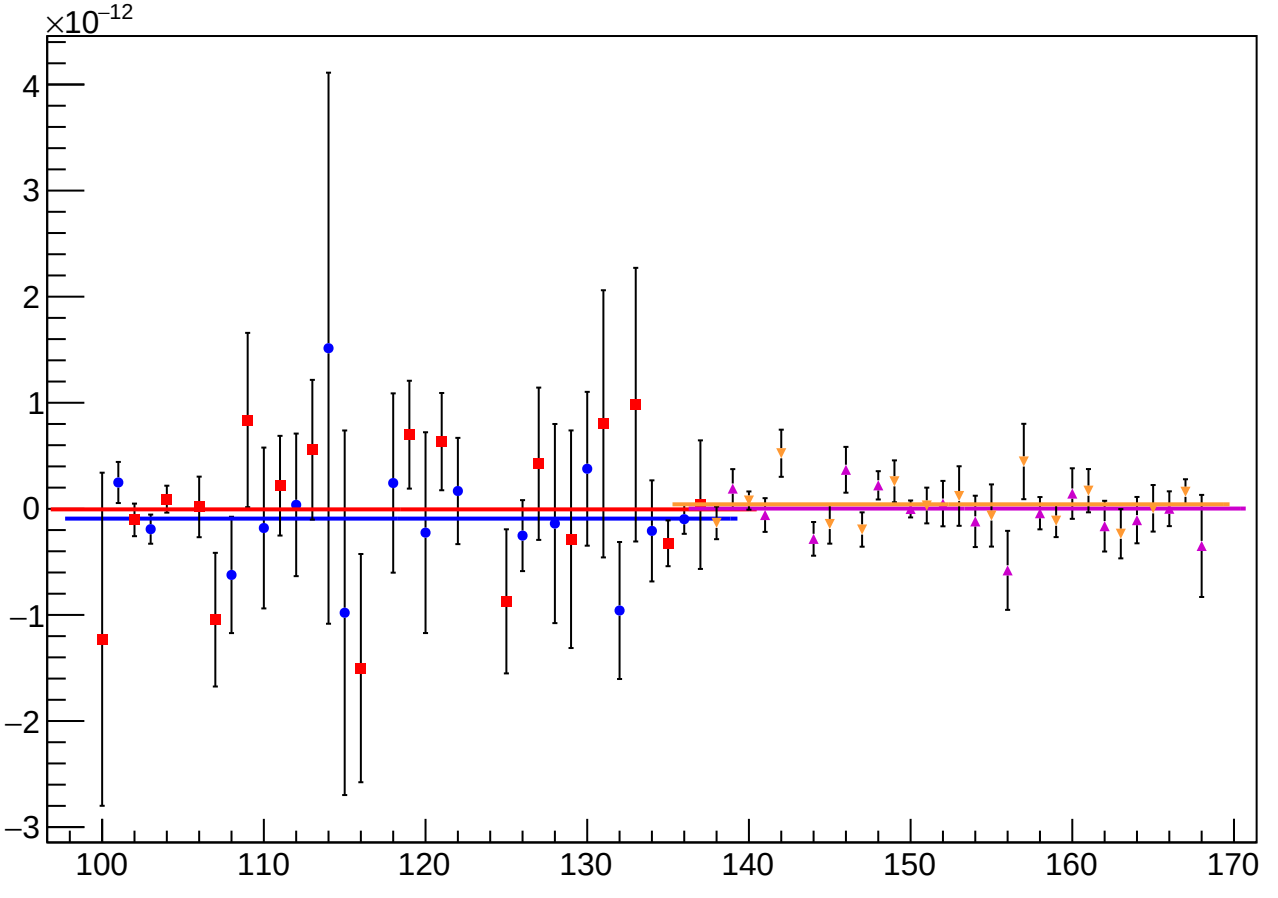
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5824.236+/-0.962 χ^2/NDF:2352434.1/30

Out: 5604.224+/-0.947 χ^2/NDF:2486354.6/32

All: 5712.580+/-0.675 χ^2/NDF: 4865347.2/63

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/14

Left: 0.000+/-0.000 χ^2/NDF: 30.7/29

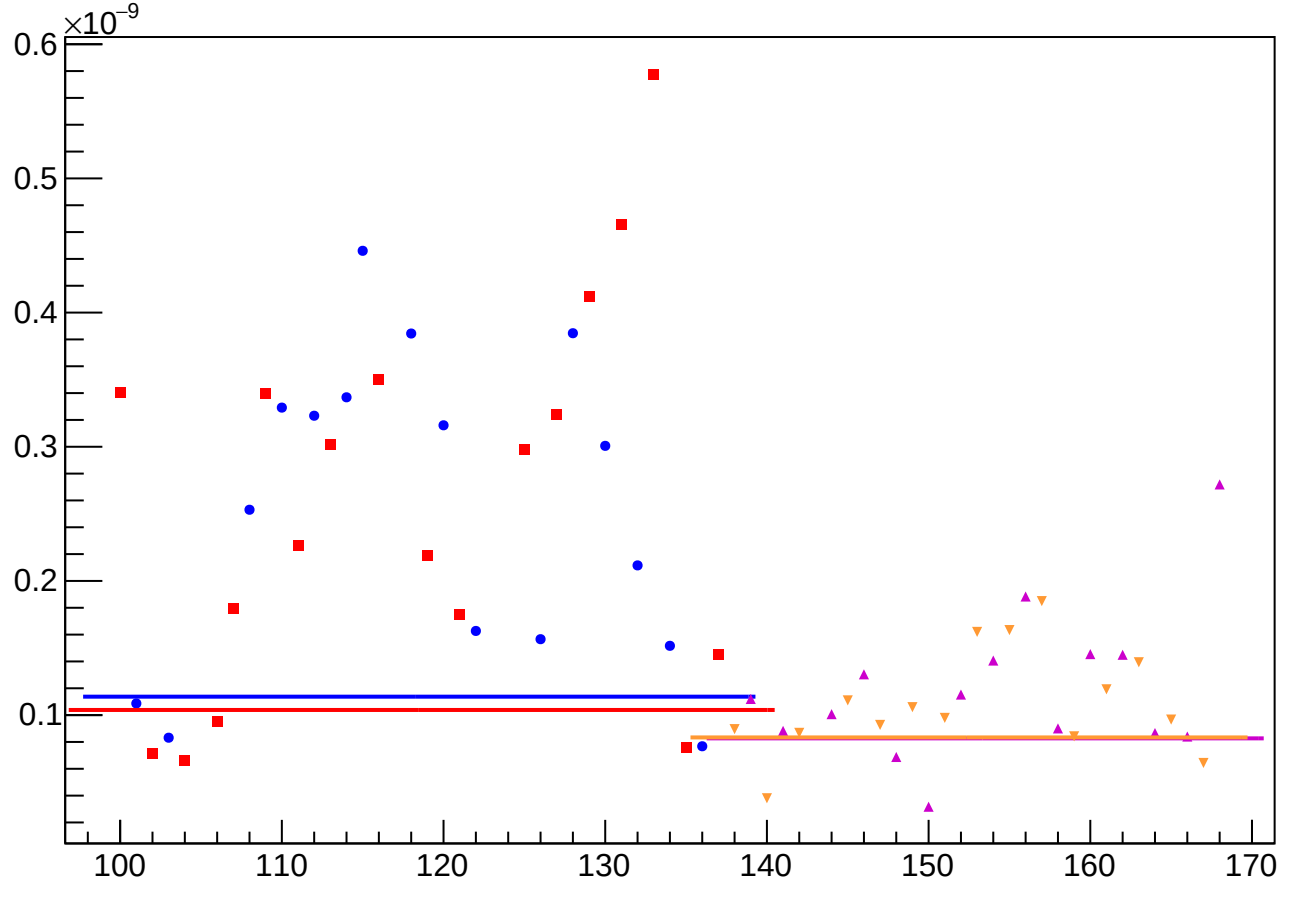
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:23.8/30

Out: 0.000+/-0.000 χ^2/NDF:33.5/32

All: 0.000+/-0.000 χ^2/NDF: 58.2/63

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361552.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1925310.9/14

Left: 0.000+/-0.000 χ^2/NDF: 3287123.3/29

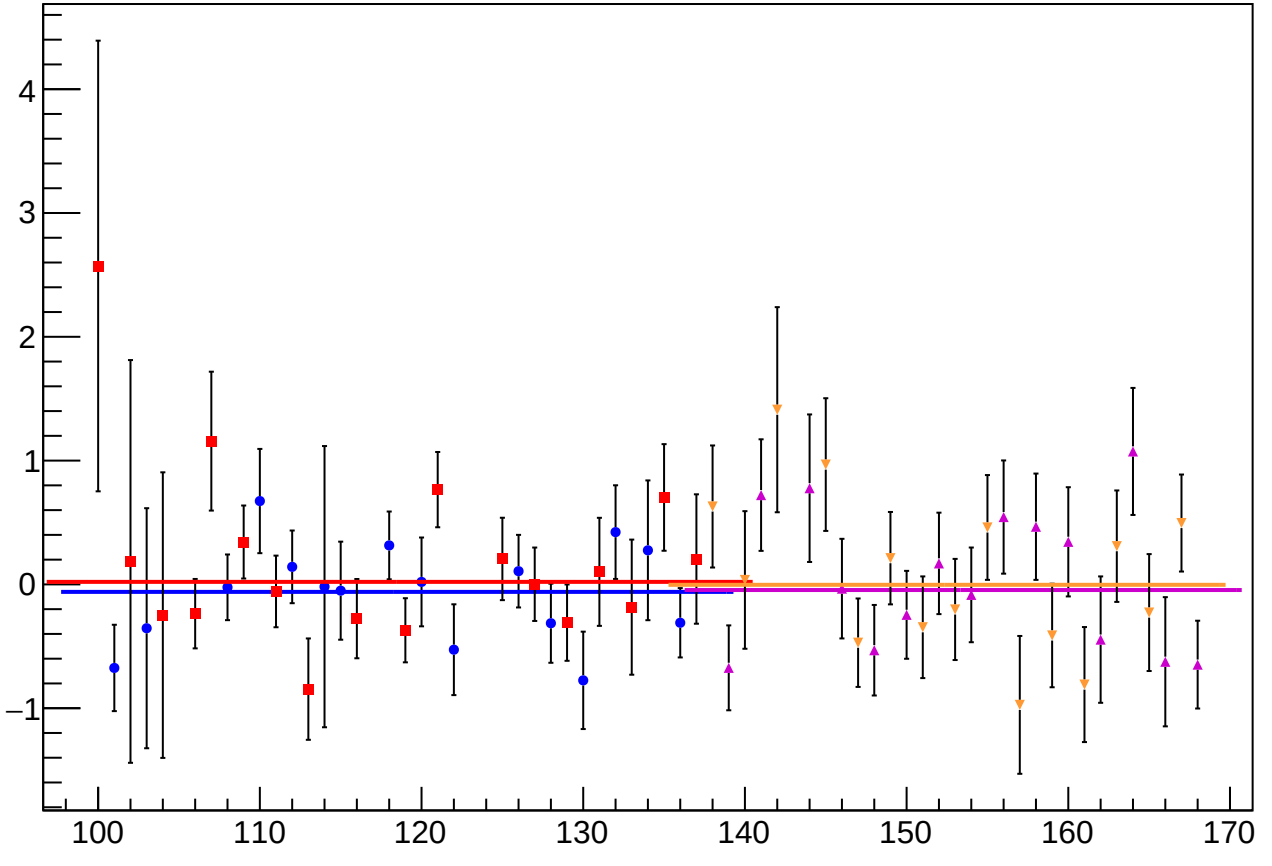
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3693348.5/30

Out: 0.000+/-0.000 χ^2/NDF:3556209.2/32

All: 0.000+/-0.000 χ^2/NDF: 7251812.7/63

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: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.045+/-0.108 χ^2/NDF:23.9/14

Left: -0.026+/-0.079 χ^2/NDF: 45.3/29

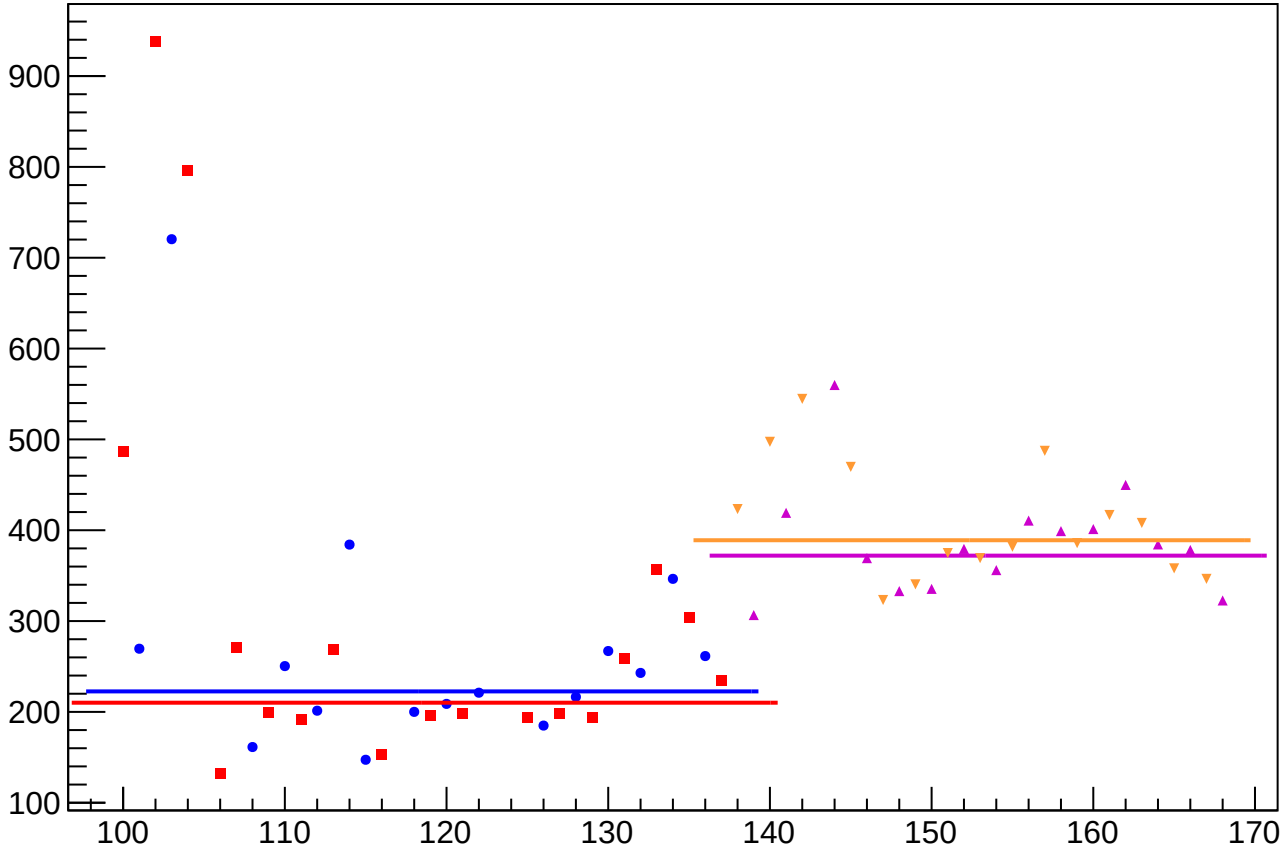
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.069 χ^2/NDF:41.2/30

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.022+/-0.049 χ^2/NDF: 89.2/63

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: 388.983+/-0.082 χ^2/NDF:416654.3/14

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.026+/-0.077 χ^2/NDF:459376.5/14

Left: 379.924+/-0.056 χ^2/NDF: 898865.4/29

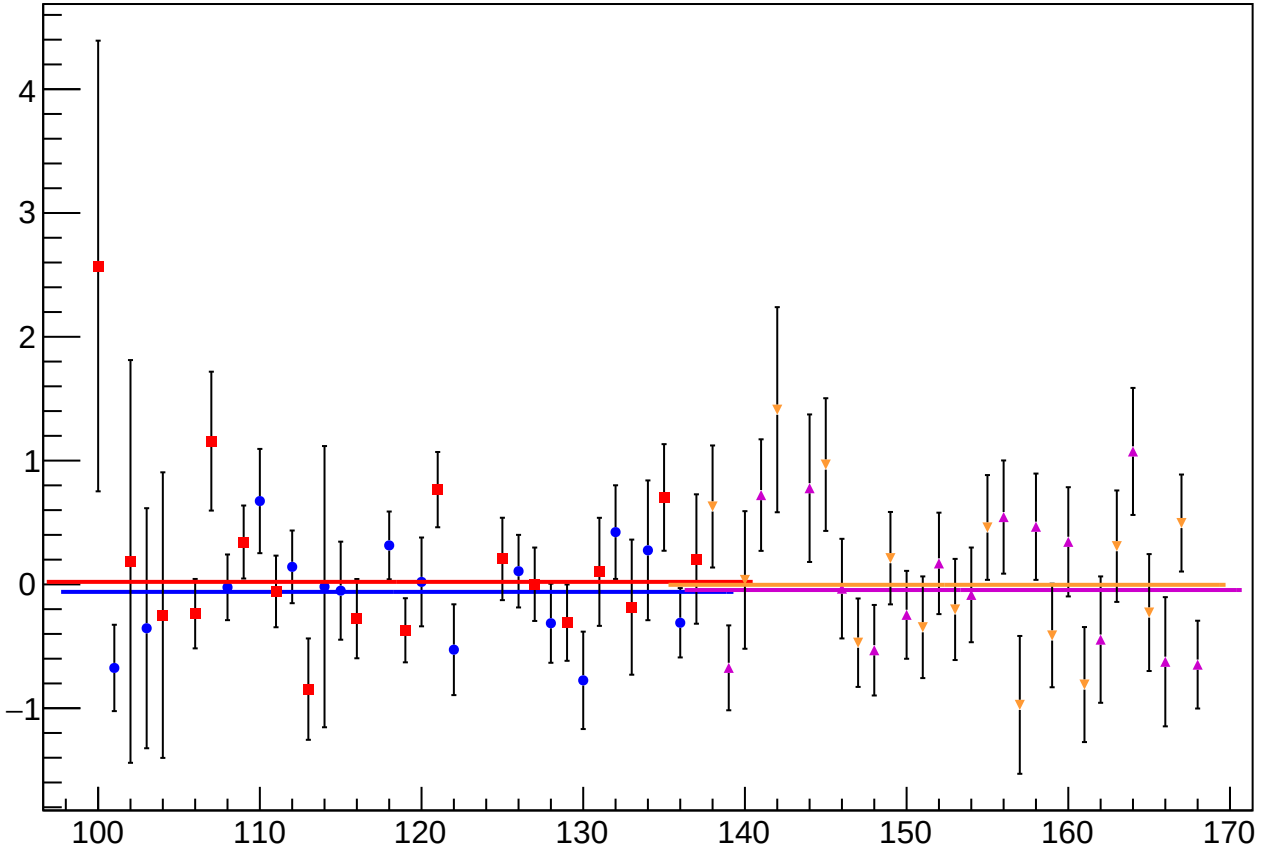
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 282.533+/-0.049 χ^2/NDF:3758496.1/30

Out: 274.925+/-0.049 χ^2/NDF:4997798.2/32

All: 278.795+/-0.035 χ^2/NDF: 8768375.5/63

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: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.045+/-0.108 χ^2/NDF:23.9/14

Left: -0.026+/-0.079 χ^2/NDF: 45.3/29

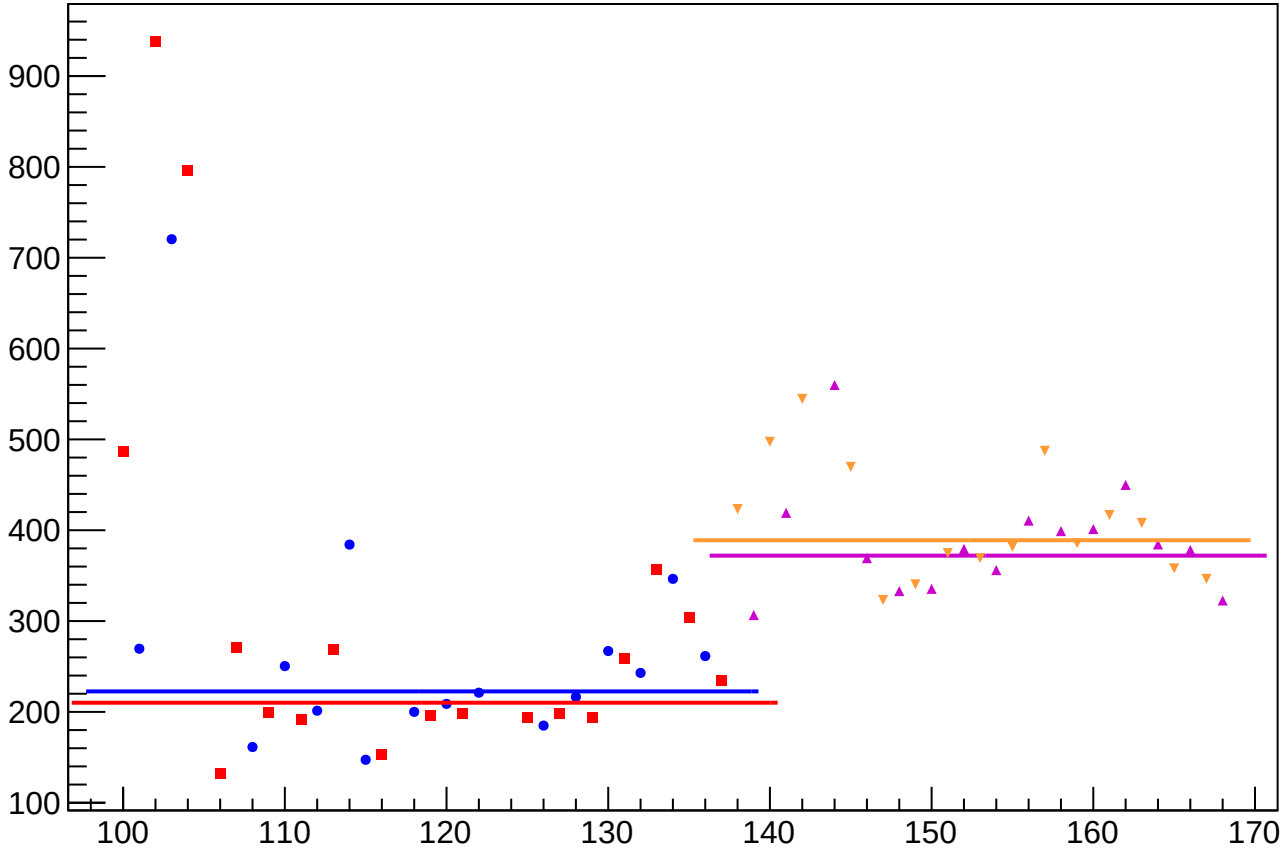
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.069 χ^2/NDF:41.2/30

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.022+/-0.049 χ^2/NDF: 89.2/63

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: 388.983+/-0.082 χ^2/NDF:416654.3/14

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.026+/-0.077 χ^2/NDF:459376.5/14

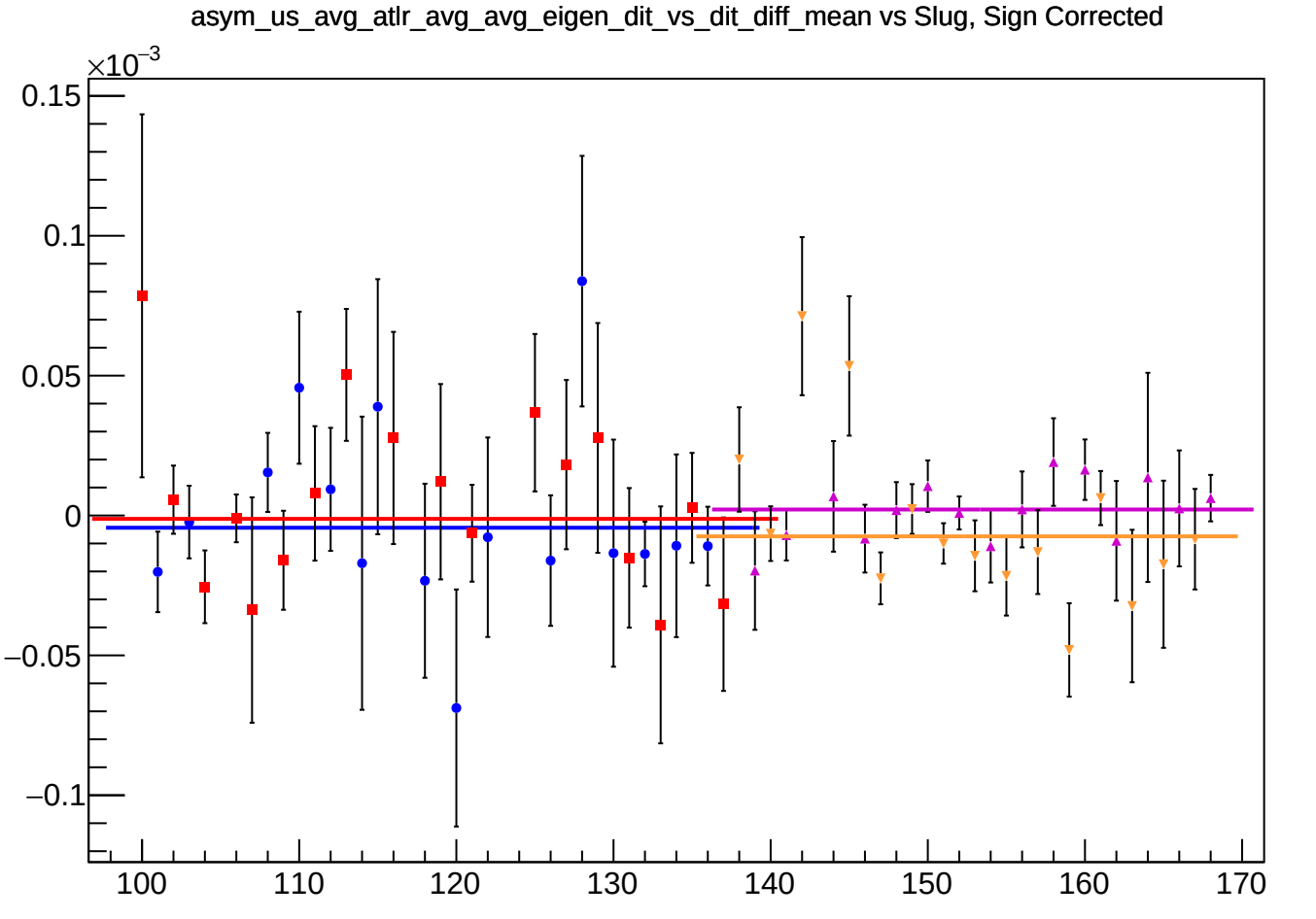
Left: 379.924+/-0.056 χ^2/NDF: 898865.4/29

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 282.533+/-0.049 χ^2/NDF:3758496.1/30

Out: 274.925+/-0.049 χ^2/NDF:4997798.2/32

All: 278.795+/-0.035 χ^2/NDF: 8768375.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.3/14

Left: -0.000+/-0.000 χ^2/NDF: 43.3/29

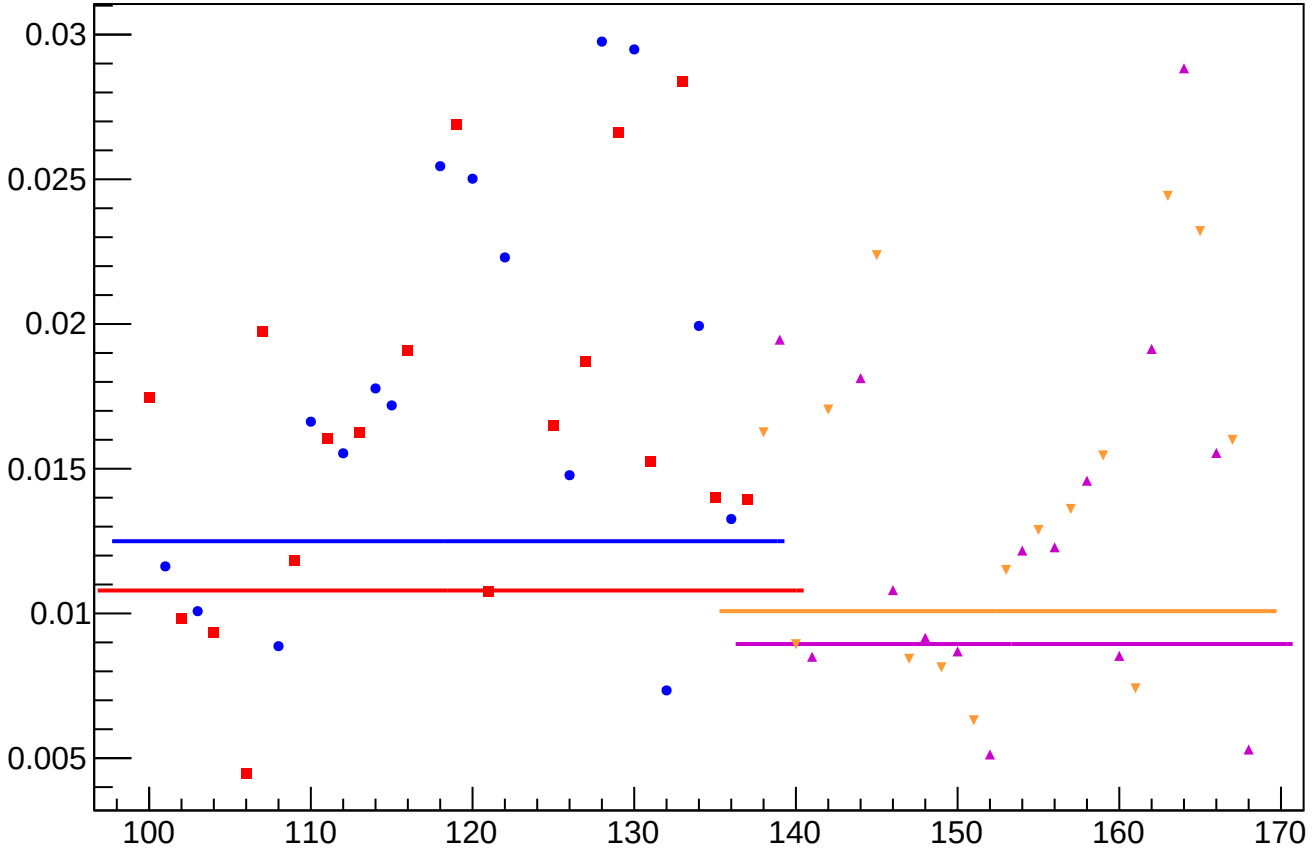
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:25.2/30

Out: -0.000+/-0.000 χ^2/NDF:48.6/32

All: -0.000+/-0.000 χ^2/NDF: 76.4/63

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: 0.010+/-0.000 χ^2/NDF:3288932.8/14

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:3930787.7/14

Left: 0.009+/-0.000 χ^2/NDF: 7355969.9/29

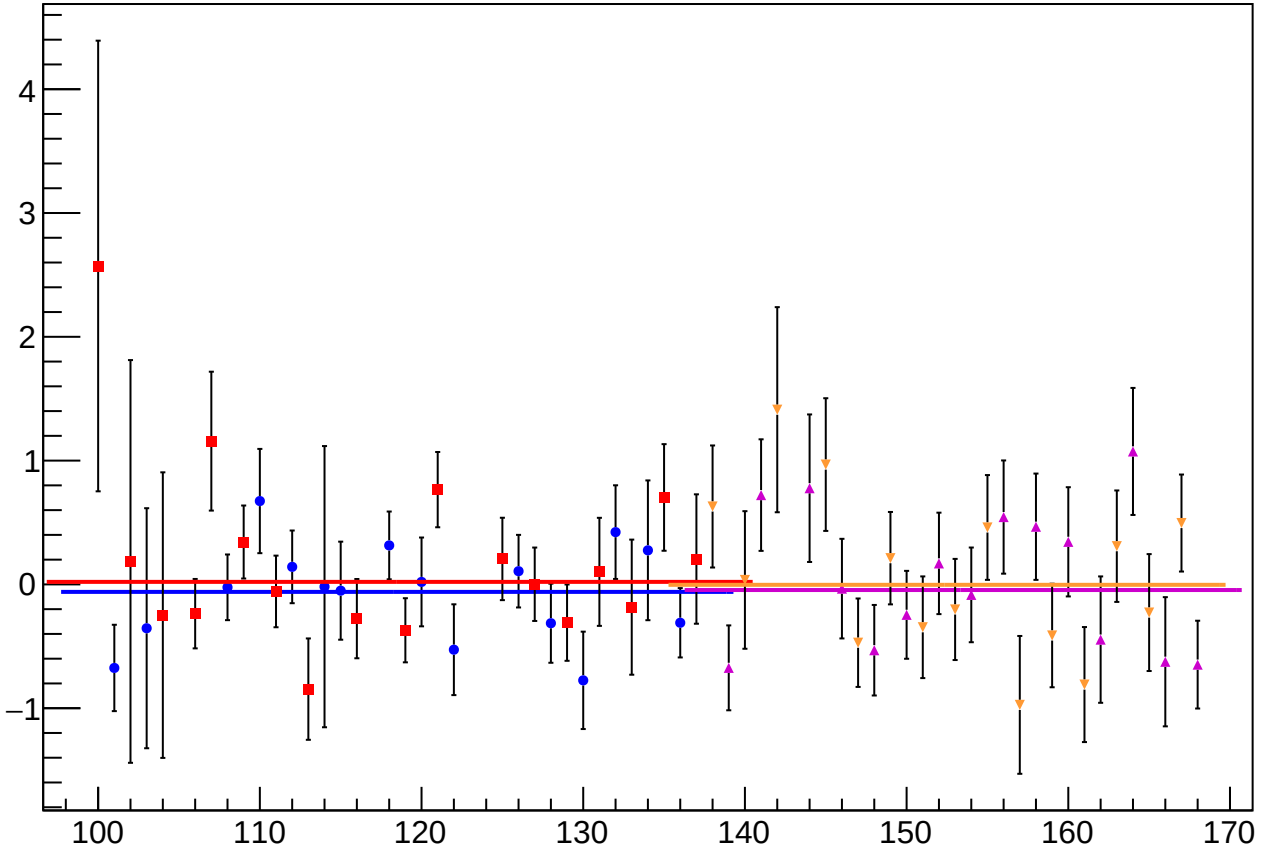
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:6780942.1/30

Out: 0.010+/-0.000 χ^2/NDF:6308912.8/32

All: 0.010+/-0.000 χ^2/NDF: 13126924.5/63

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: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.045+/-0.108 χ^2/NDF:23.9/14

Left: -0.026+/-0.079 χ^2/NDF: 45.3/29

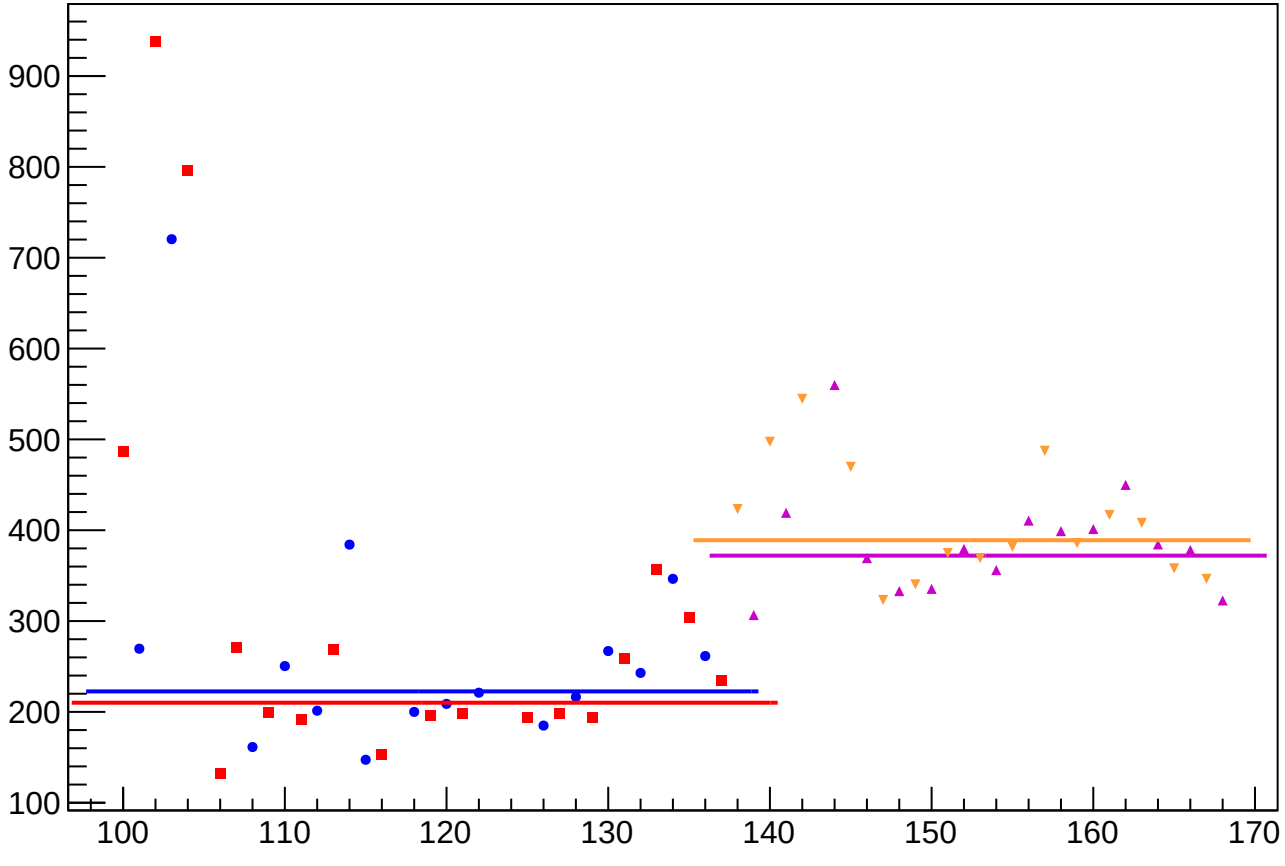
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.069 χ^2/NDF:41.2/30

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.022+/-0.049 χ^2/NDF: 89.2/63

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: 388.989+/-0.082 χ^2/NDF:416658.7/14

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.032+/-0.077 χ^2/NDF:459374.9/14

Left: 379.930+/-0.056 χ^2/NDF: 898867.8/29

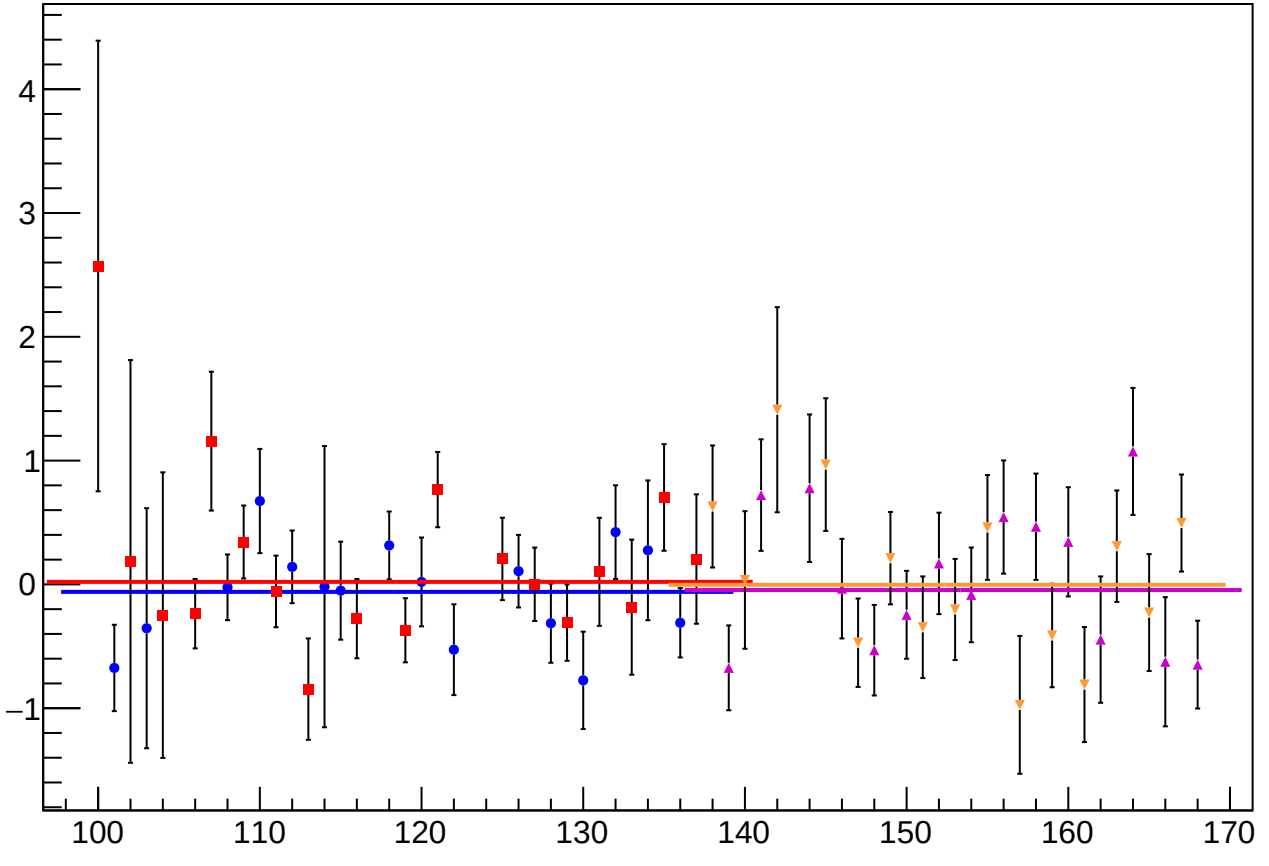
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 282.532+/-0.049 χ^2/NDF:3758689.5/30

Out: 274.923+/-0.049 χ^2/NDF:4998049.1/32

All: 278.794+/-0.035 χ^2/NDF: 8768824.1/63

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: -0.003+/-0.116 χ^2/NDF:21.4/14

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.045+/-0.108 χ^2/NDF:23.9/14

Left: -0.026+/-0.079 χ^2/NDF: 45.3/29

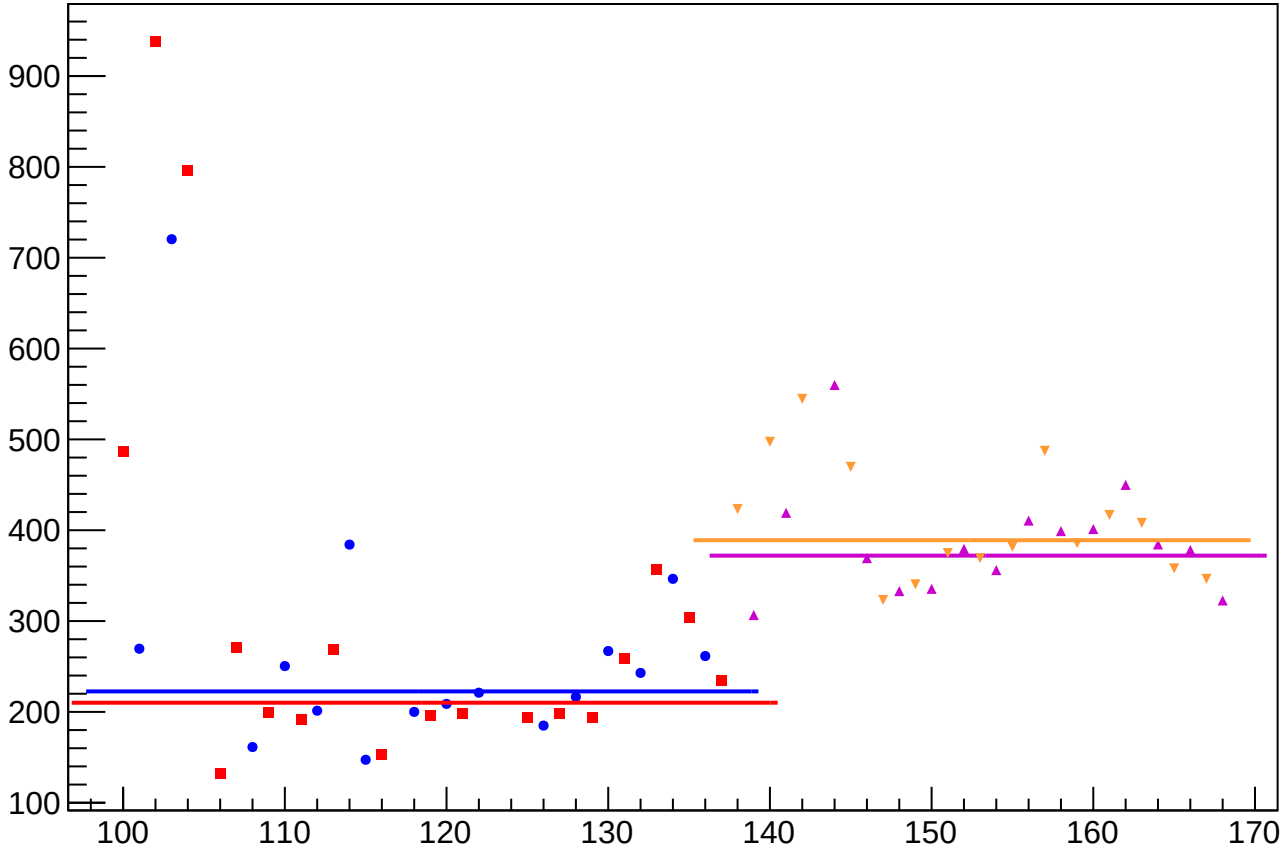
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.069 χ^2/NDF:41.2/30

Out: 0.012+/-0.070 χ^2/NDF:47.5/32

All: -0.022+/-0.049 χ^2/NDF: 89.2/63

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: 388.989+/-0.082 χ^2/NDF:416658.7/14

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.032+/-0.077 χ^2/NDF:459374.9/14

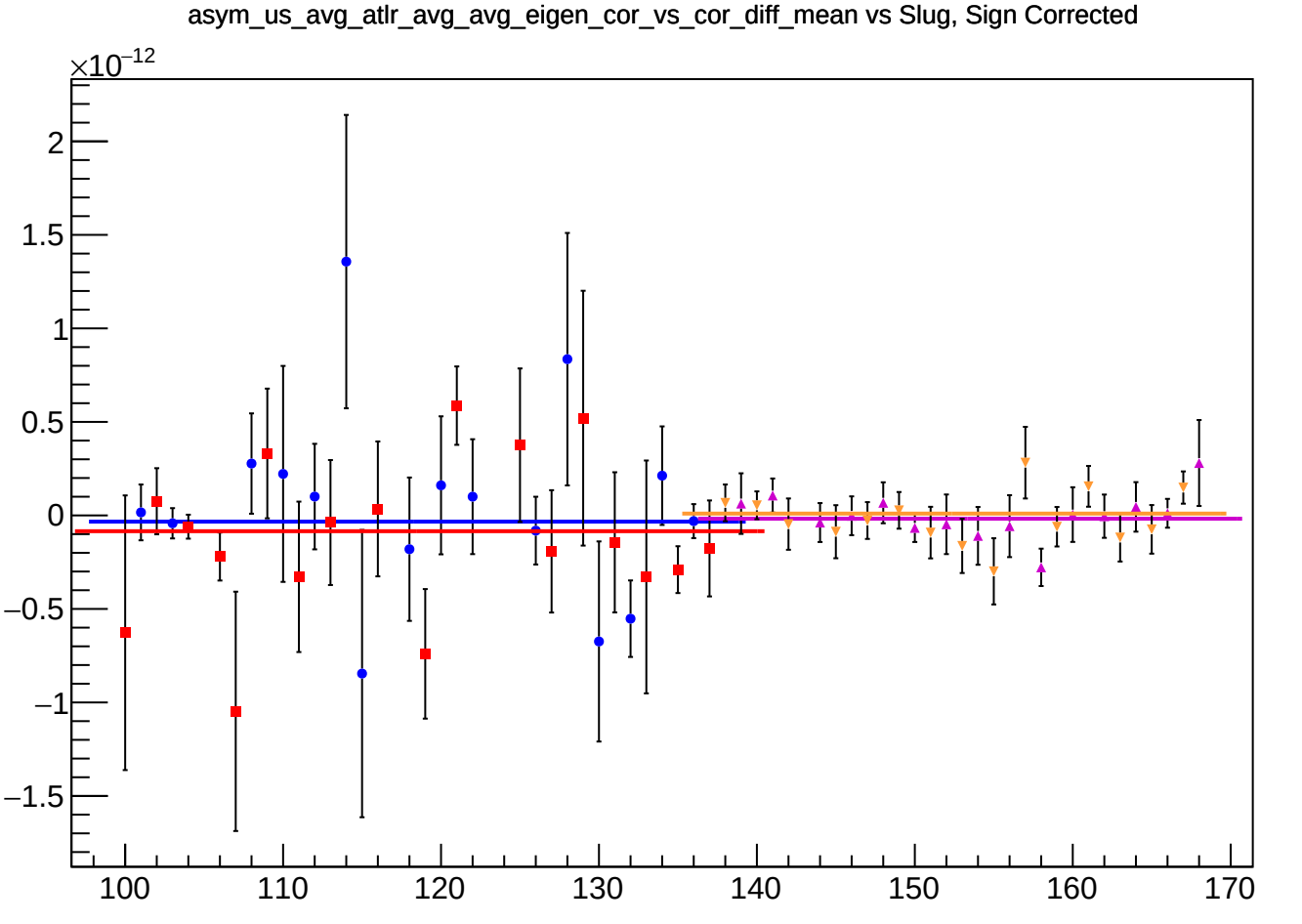
Left: 379.930+/-0.056 χ^2/NDF: 898867.8/29

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 282.532+/-0.049 χ^2/NDF:3758689.5/30

Out: 274.923+/-0.049 χ^2/NDF:4998049.1/32

All: 278.794+/-0.035 χ^2/NDF: 8768824.1/63



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/14

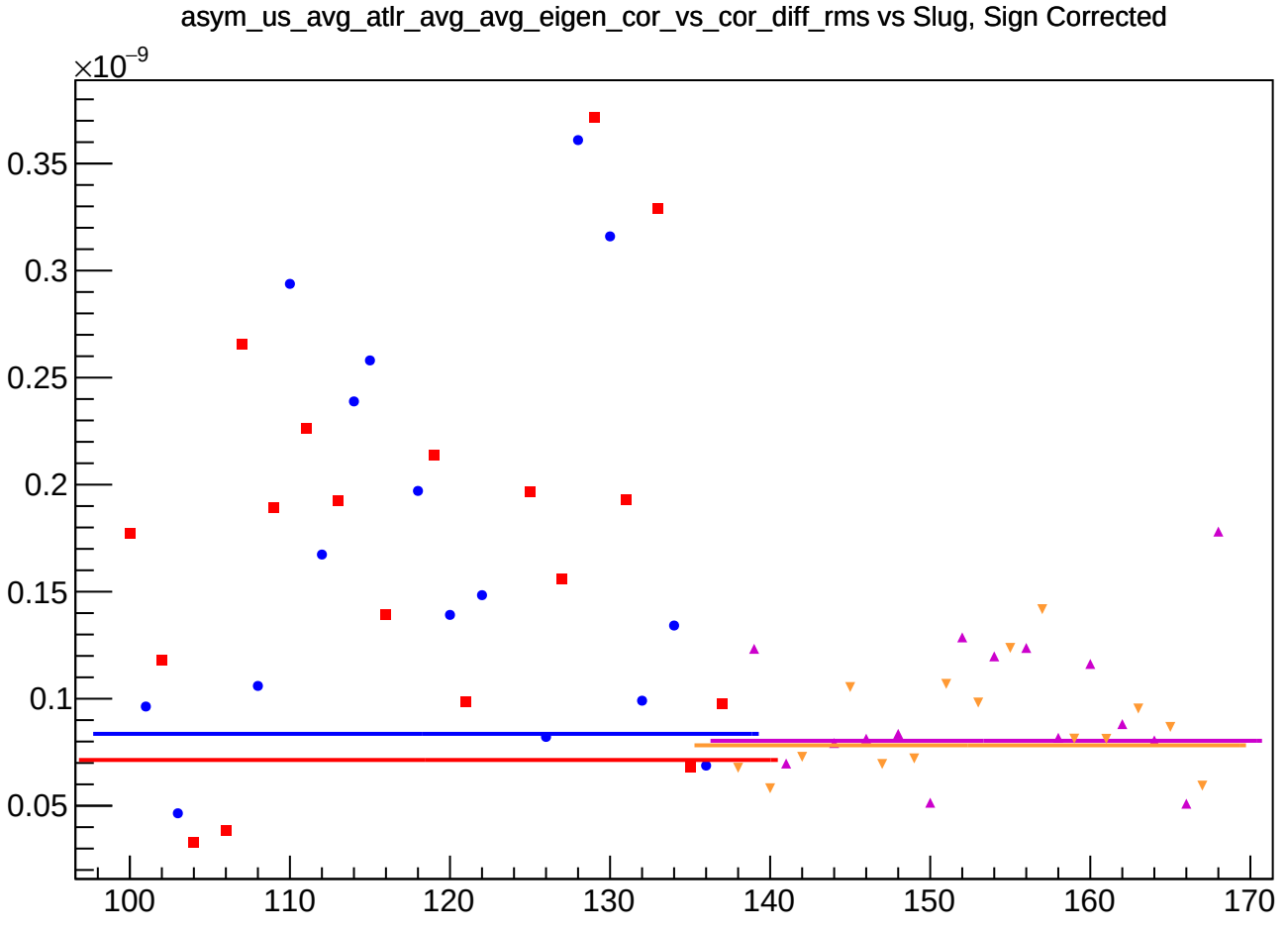
Left: -0.000+/-0.000 χ^2/NDF: 27.7/29

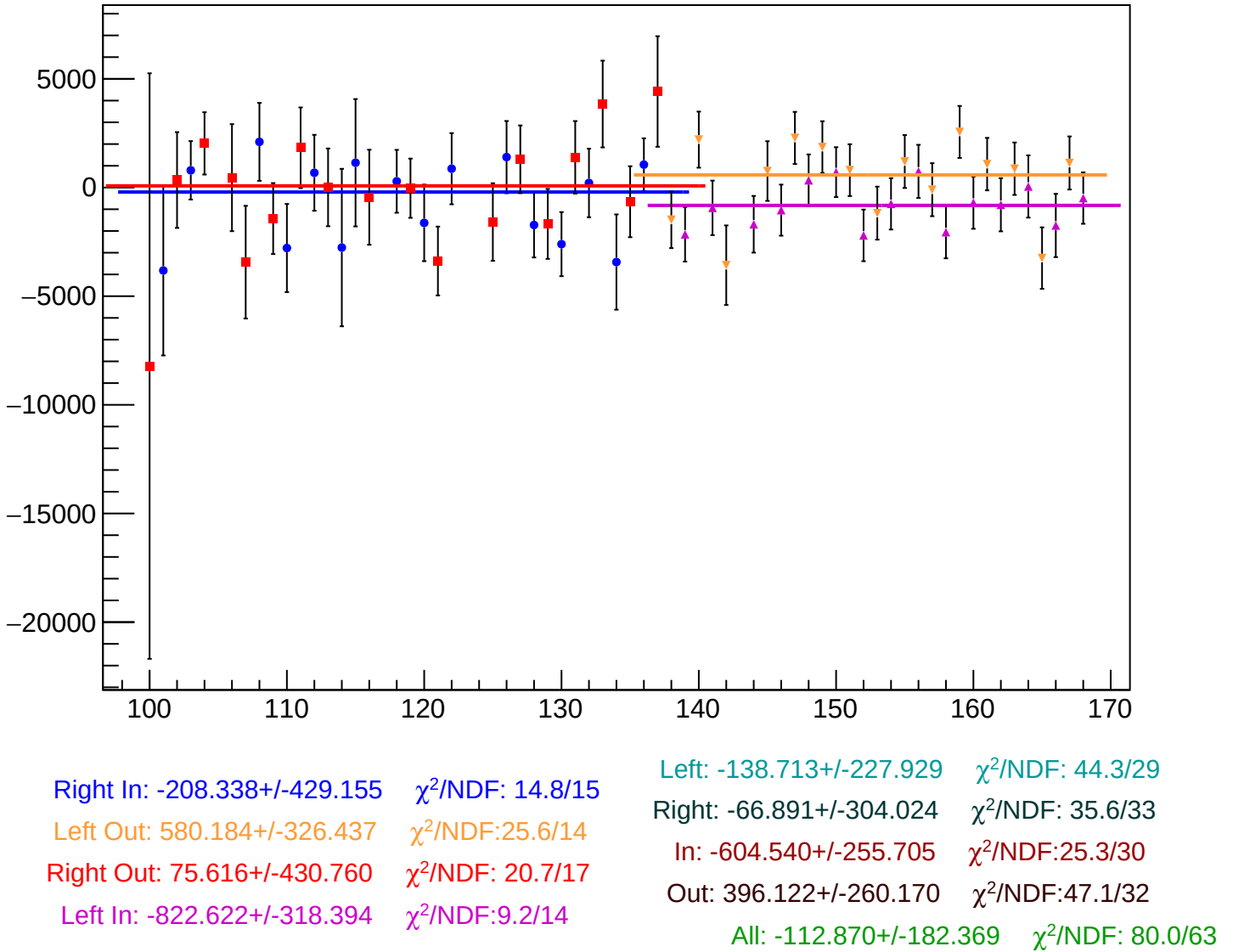
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

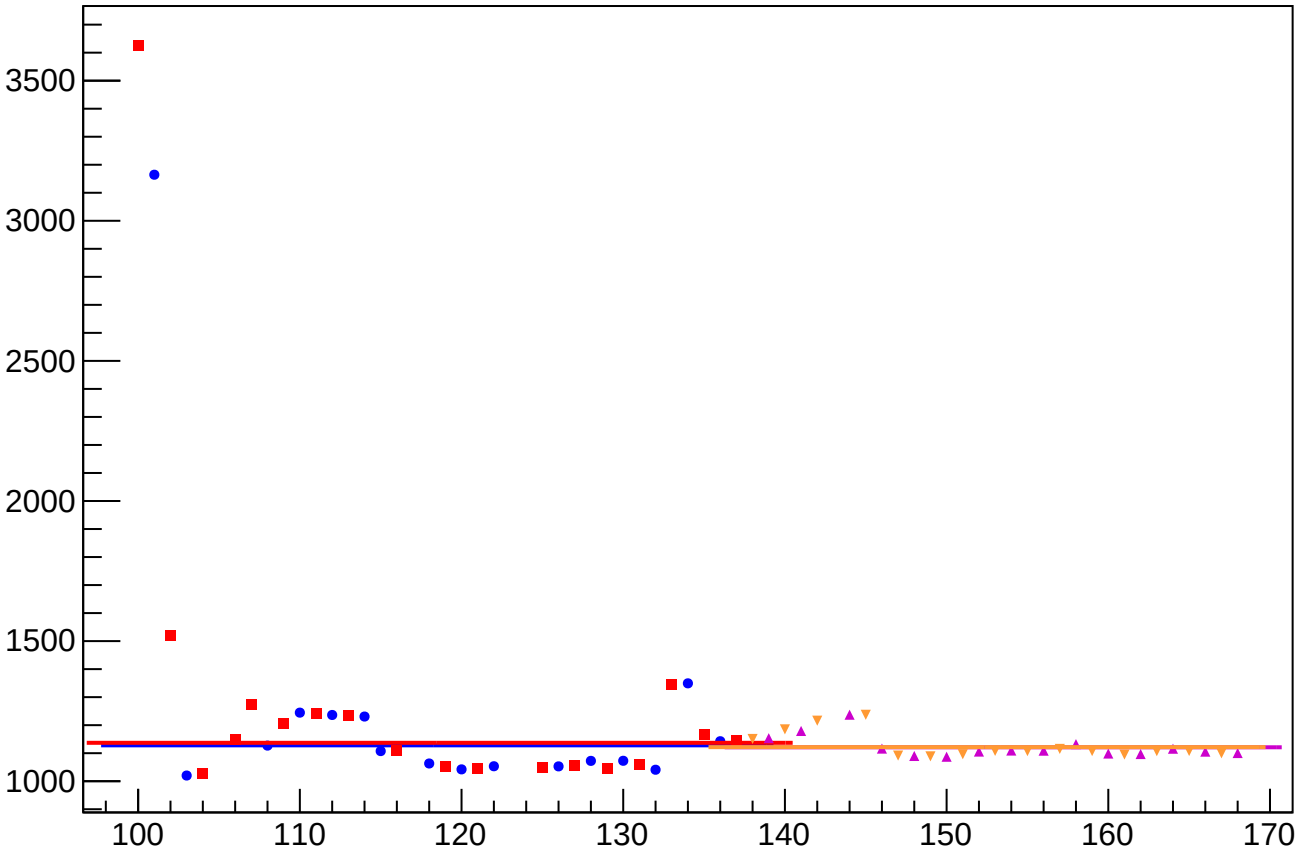
In: -0.000+/-0.000 χ^2/NDF:29.8/30

Out: -0.000+/-0.000 χ^2/NDF:43.8/32

All: -0.000+/-0.000 χ^2/NDF: 73.6/63


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:889005.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1697535.4/14
Left: 0.000+/-0.000 χ²/NDF: 2591851.5/29
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3939801.0/30
Out: 0.000+/-0.000 χ²/NDF:4667662.3/32
All: 0.000+/-0.000 χ²/NDF: 8650286.1/63


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 580.184+/-326.437 χ²/NDF:25.6/14
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -822.622+/-318.394 χ²/NDF:9.2/14
Left: -138.713+/-227.929 χ²/NDF: 44.3/29
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -604.540+/-255.705 χ²/NDF:25.3/30
Out: 396.122+/-260.170 χ²/NDF:47.1/32
All: -112.870+/-182.369 χ²/NDF: 80.0/63



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.1/14

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1121.074+/-0.225 χ^2/NDF:27879.3/14

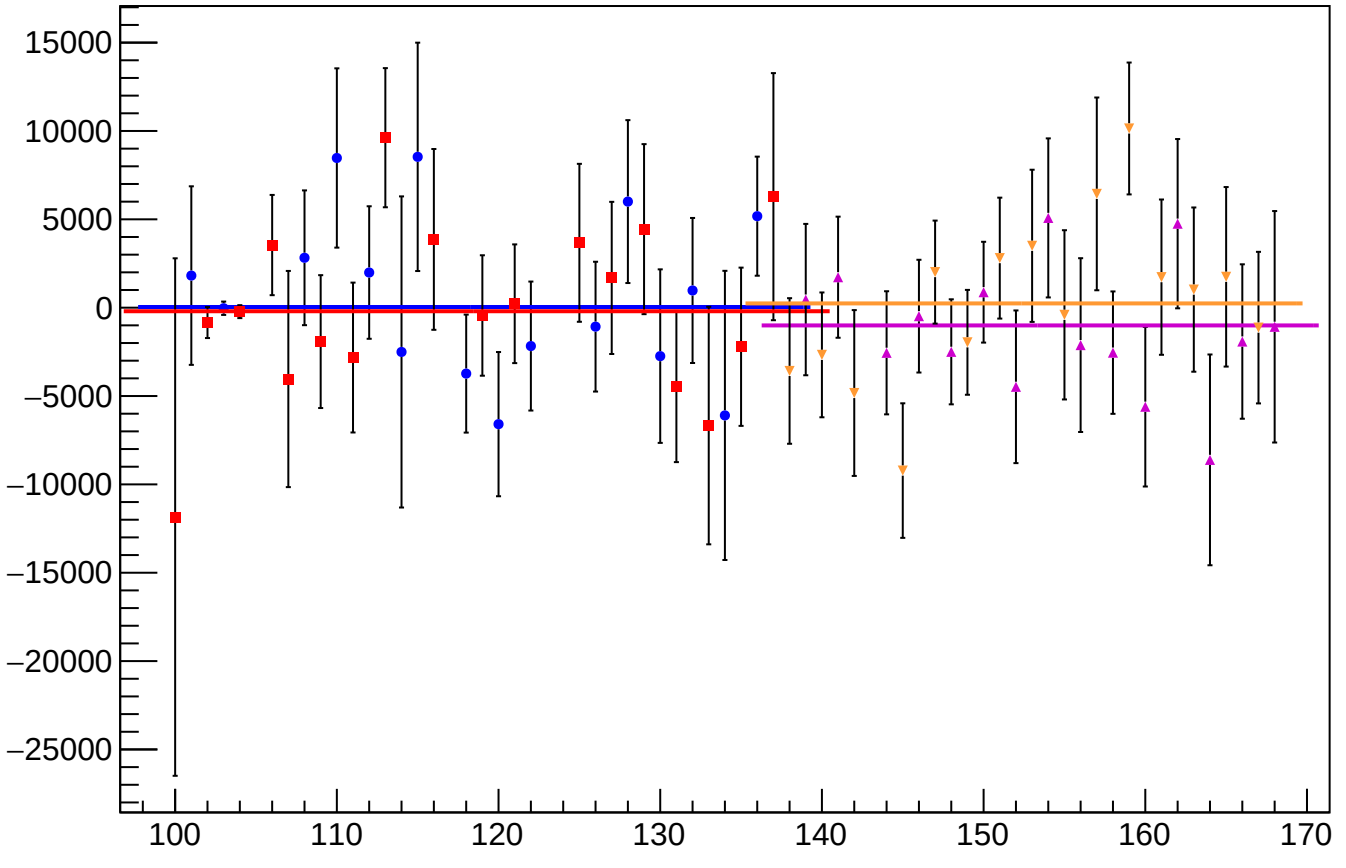
Left: 1121.344+/-0.161 χ^2/NDF: 59793.4/29

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1123.535+/-0.181 χ^2/NDF:649610.6/30

Out: 1127.263+/-0.184 χ^2/NDF:253627.5/32

All: 1125.368+/-0.129 χ^2/NDF: 903447.1/63



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 241.199+/-1018.277 χ^2/NDF:19.6/14

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -1004.462+/-1009.853 χ^2/NDF:8.5/14

Left: -386.806+/-717.034 χ^2/NDF: 28.9/29

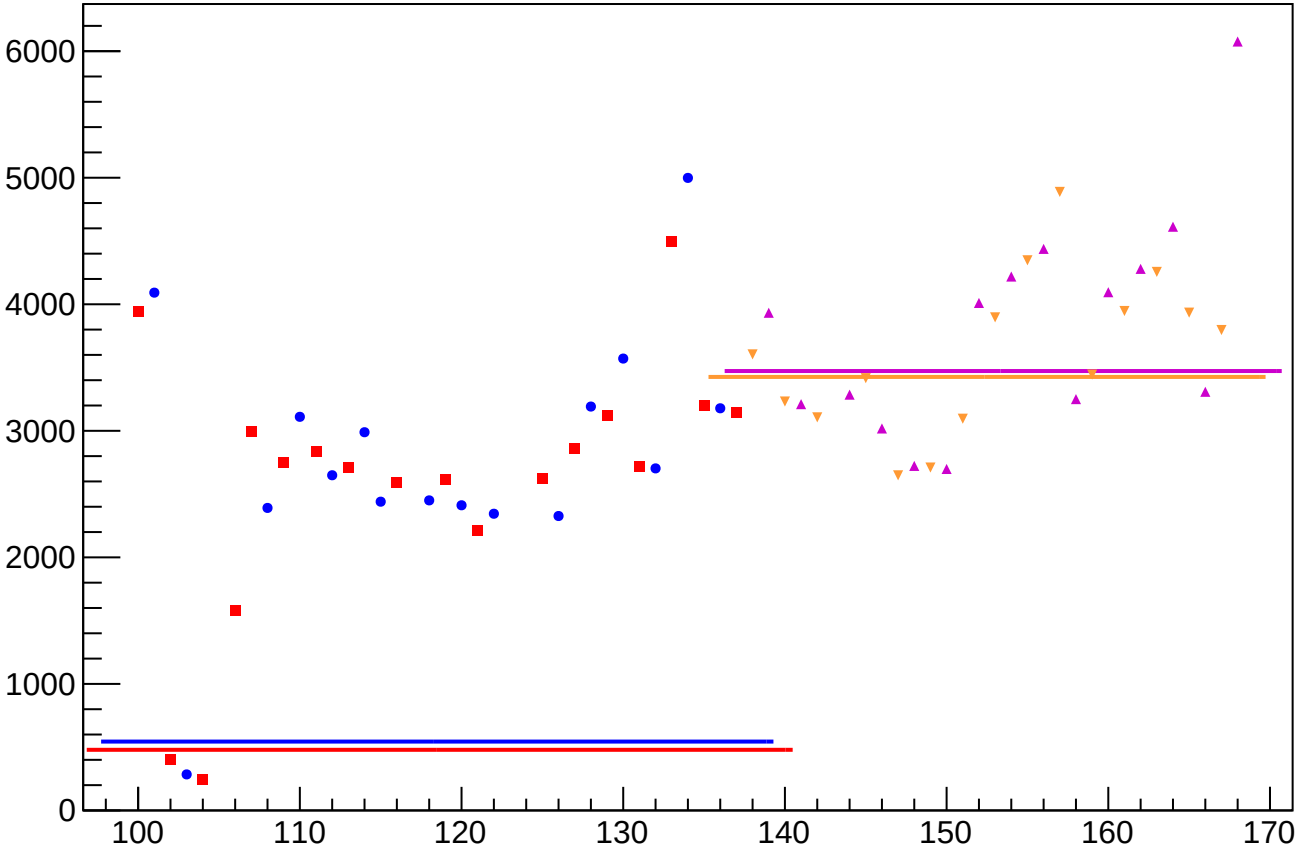
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -77.917+/-337.132 χ^2/NDF:24.3/30

Out: -161.261+/-307.488 χ^2/NDF:35.4/32

All: -123.414+/-227.186 χ^2/NDF: 59.8/63

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: 3425.848+/-0.720 χ^2/NDF:665202.6/14

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3472.433+/-0.714 χ^2/NDF:1013777.5/14

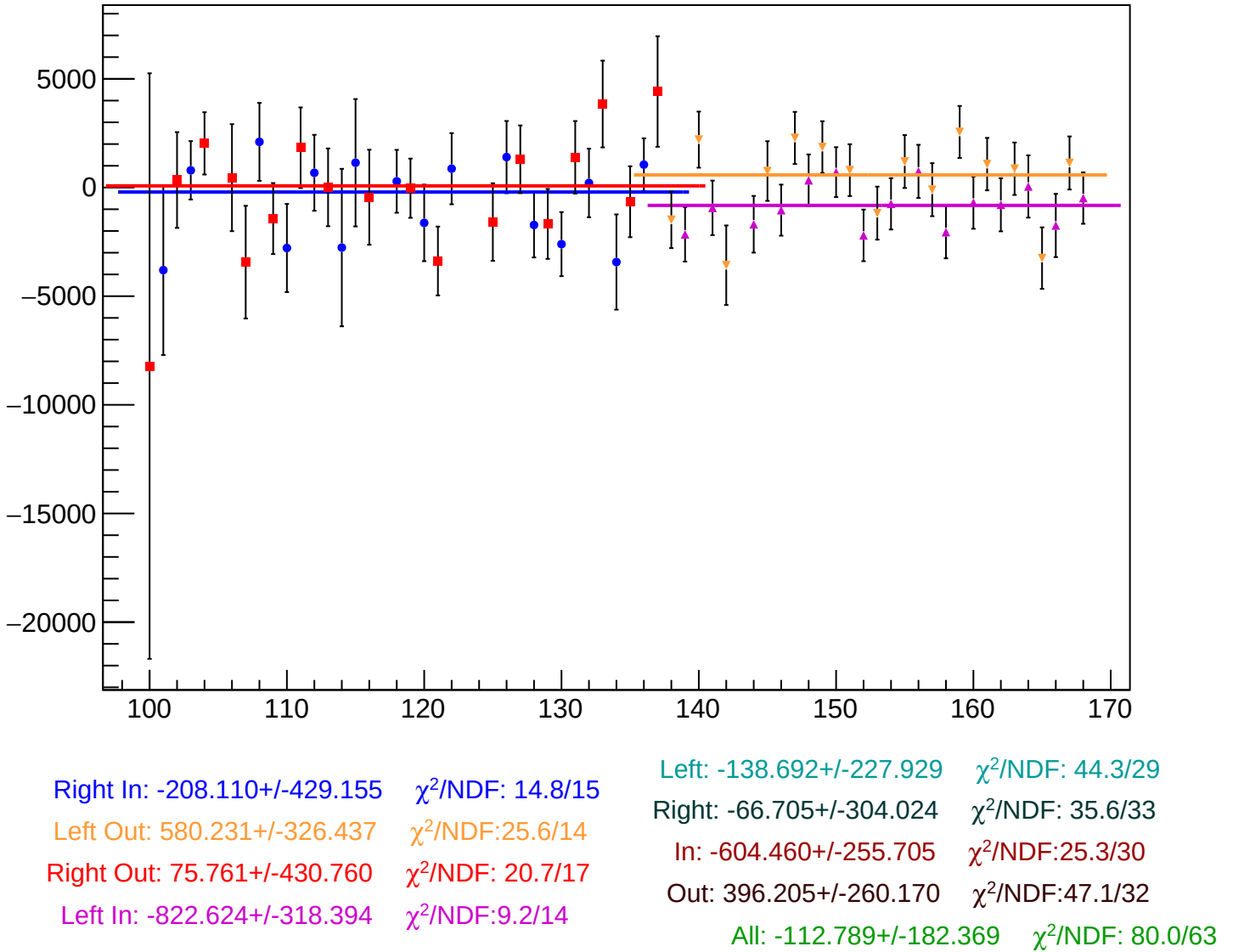
Left: 3449.334+/-0.507 χ^2/NDF: 1681090.5/29

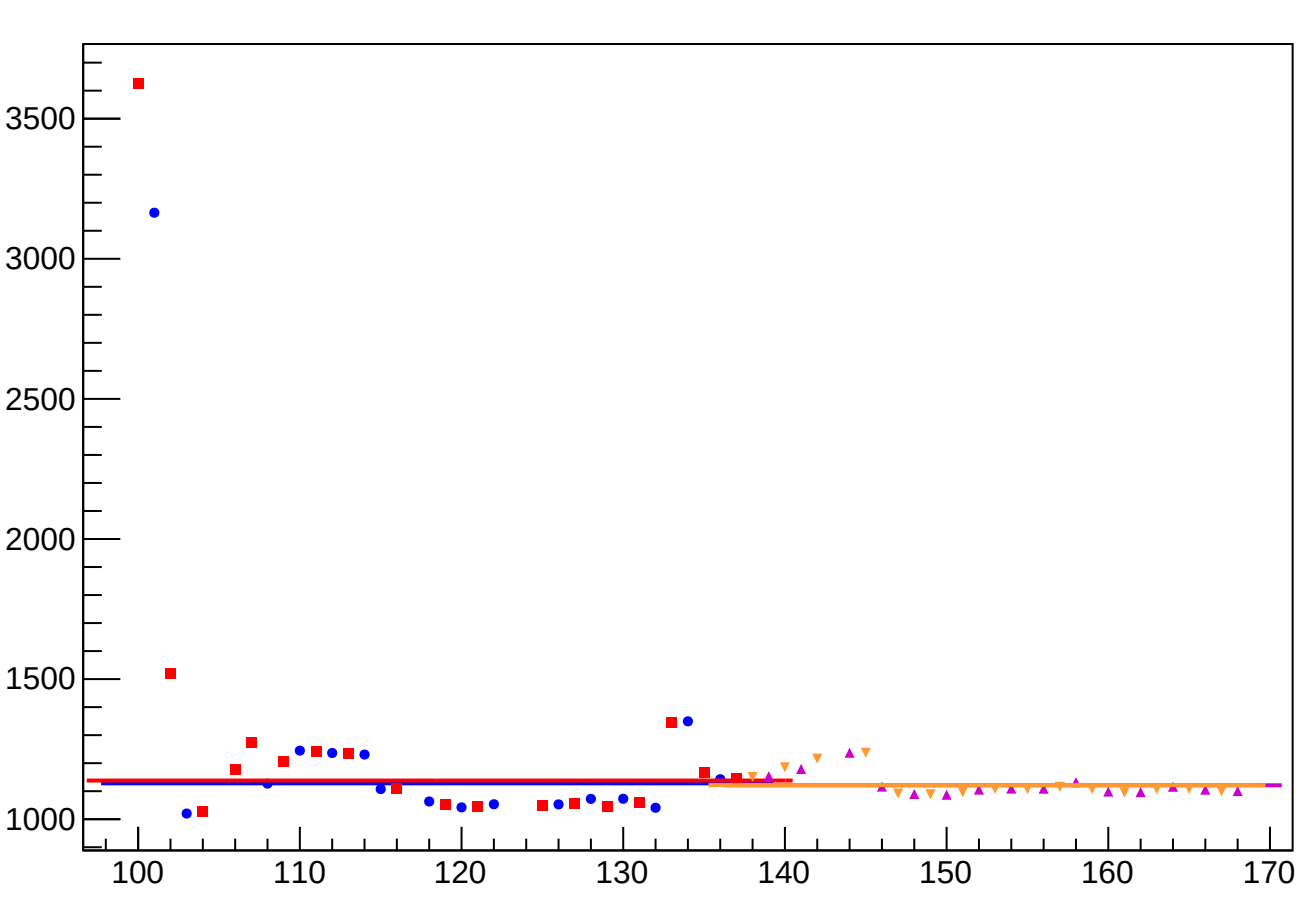
Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 870.676+/-0.238 χ^2/NDF:25637271.4/30

Out: 747.938+/-0.217 χ^2/NDF:25073177.9/32

All: 803.674+/-0.161 χ^2/NDF: 50855155.8/63


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 580.231+/-326.437 χ²/NDF:25.6/14
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -822.624+/-318.394 χ²/NDF:9.2/14
Left: -138.692+/-227.929 χ²/NDF: 44.3/29
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -604.460+/-255.705 χ²/NDF:25.3/30
Out: 396.205+/-260.170 χ²/NDF:47.1/32
All: -112.789+/-182.369 χ²/NDF: 80.0/63



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1121.628+/-0.231 χ^2/NDF:31911.0/14

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1121.074+/-0.225 χ^2/NDF:27879.3/14

Left: 1121.344+/-0.161 χ^2/NDF: 59793.3/29

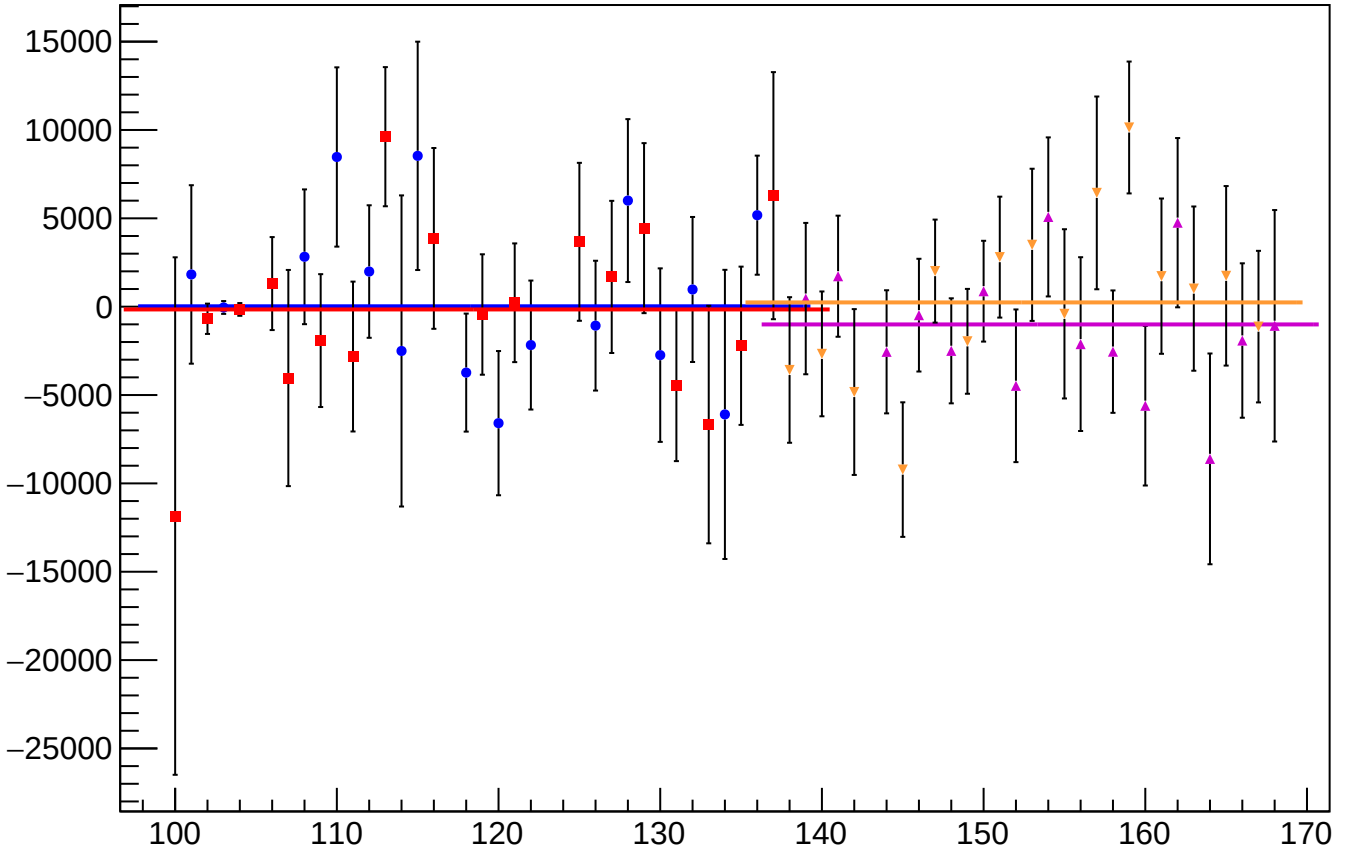
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1123.535+/-0.181 χ^2/NDF:649611.7/30

Out: 1127.604+/-0.184 χ^2/NDF:254371.9/32

All: 1125.535+/-0.129 χ^2/NDF: 904232.5/63

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF:19.6/14

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1004.462+/-1009.853 χ^2/NDF:8.5/14

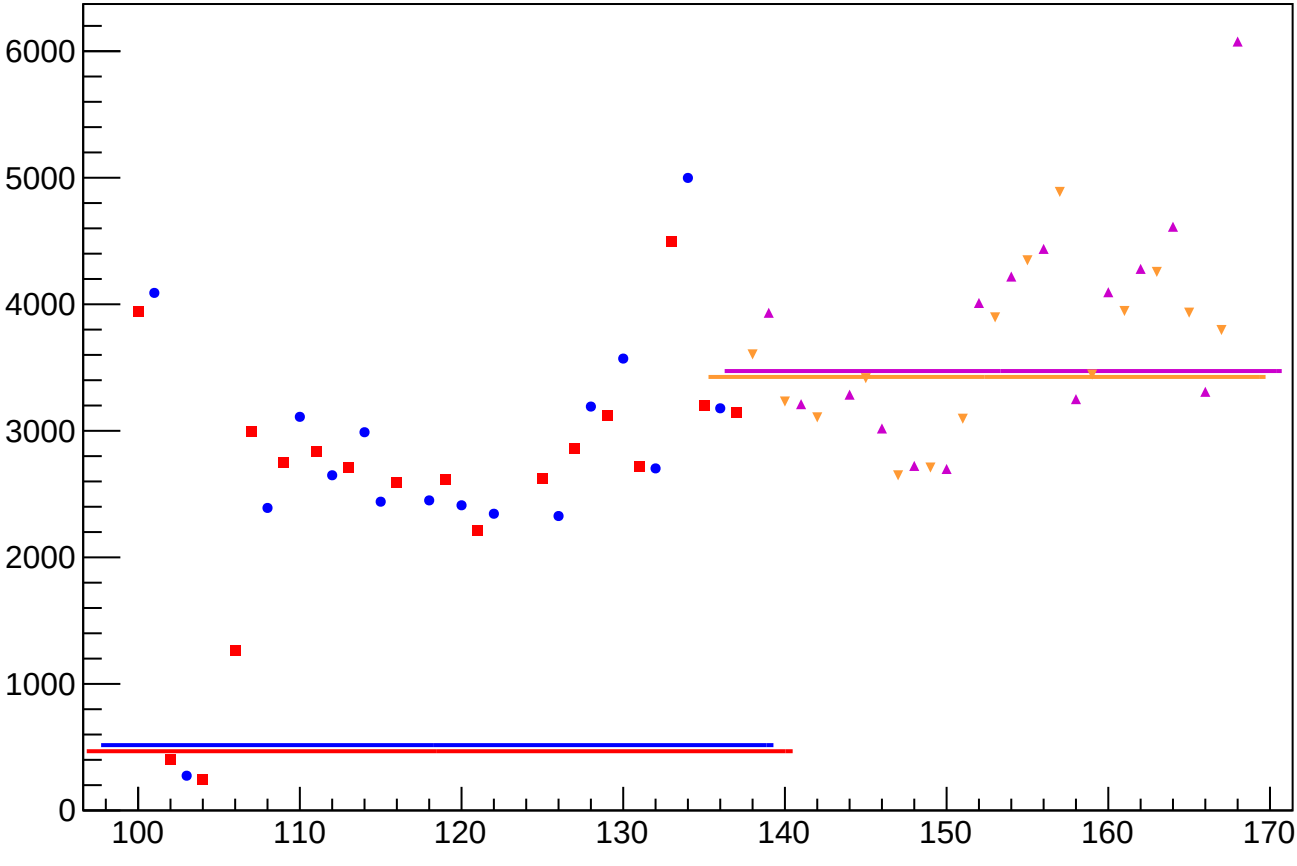
Left: -386.793+/-717.034 χ^2/NDF: 28.9/29

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -85.335+/-326.071 χ^2/NDF:24.3/30

Out: -121.041+/-302.992 χ^2/NDF:33.7/32

All: -104.496+/-221.959 χ^2/NDF: 58.1/63



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3472.431+/-0.714 χ^2/NDF:1013782.9/14

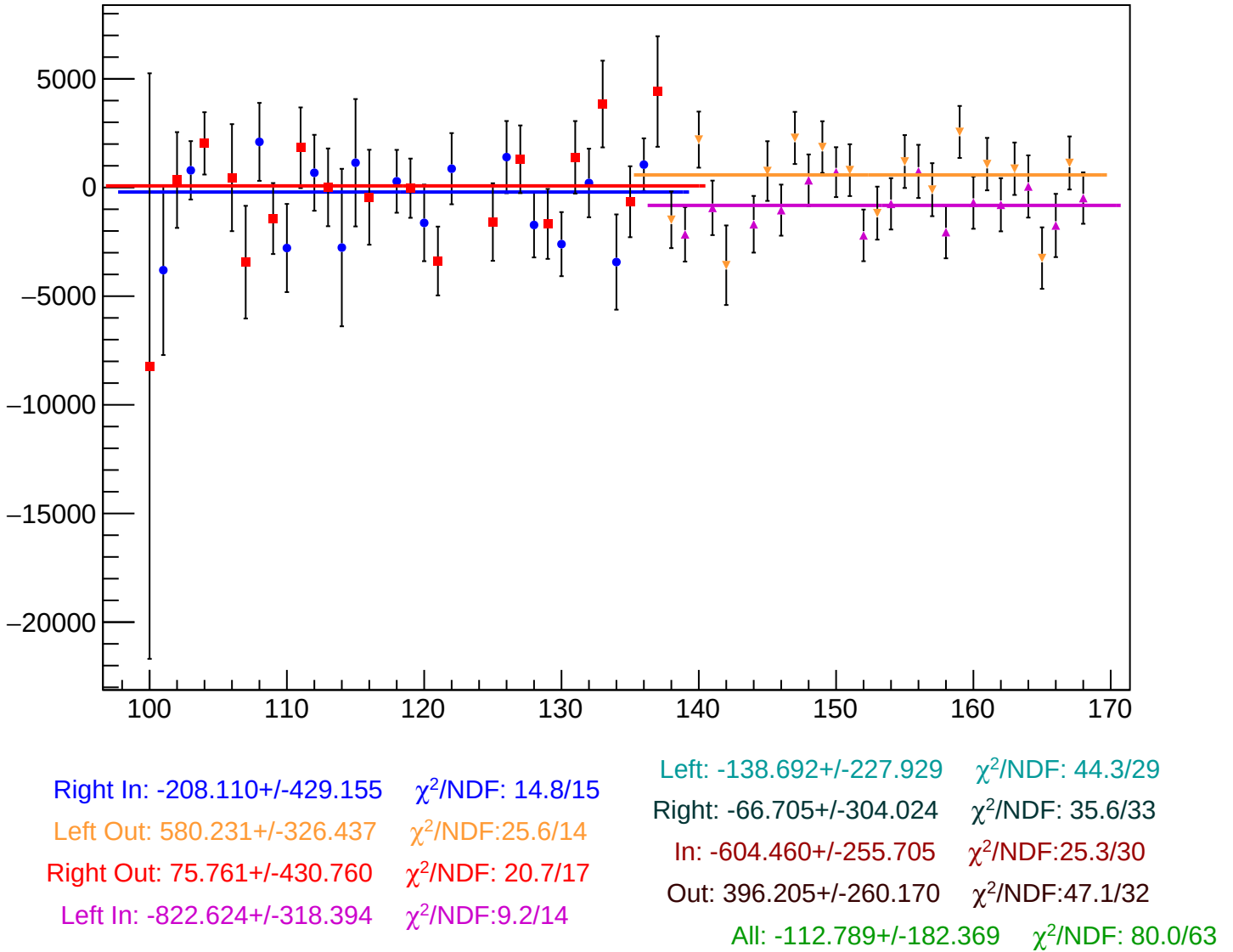
Left: 3449.333+/-0.507 χ^2/NDF: 1681101.9/29

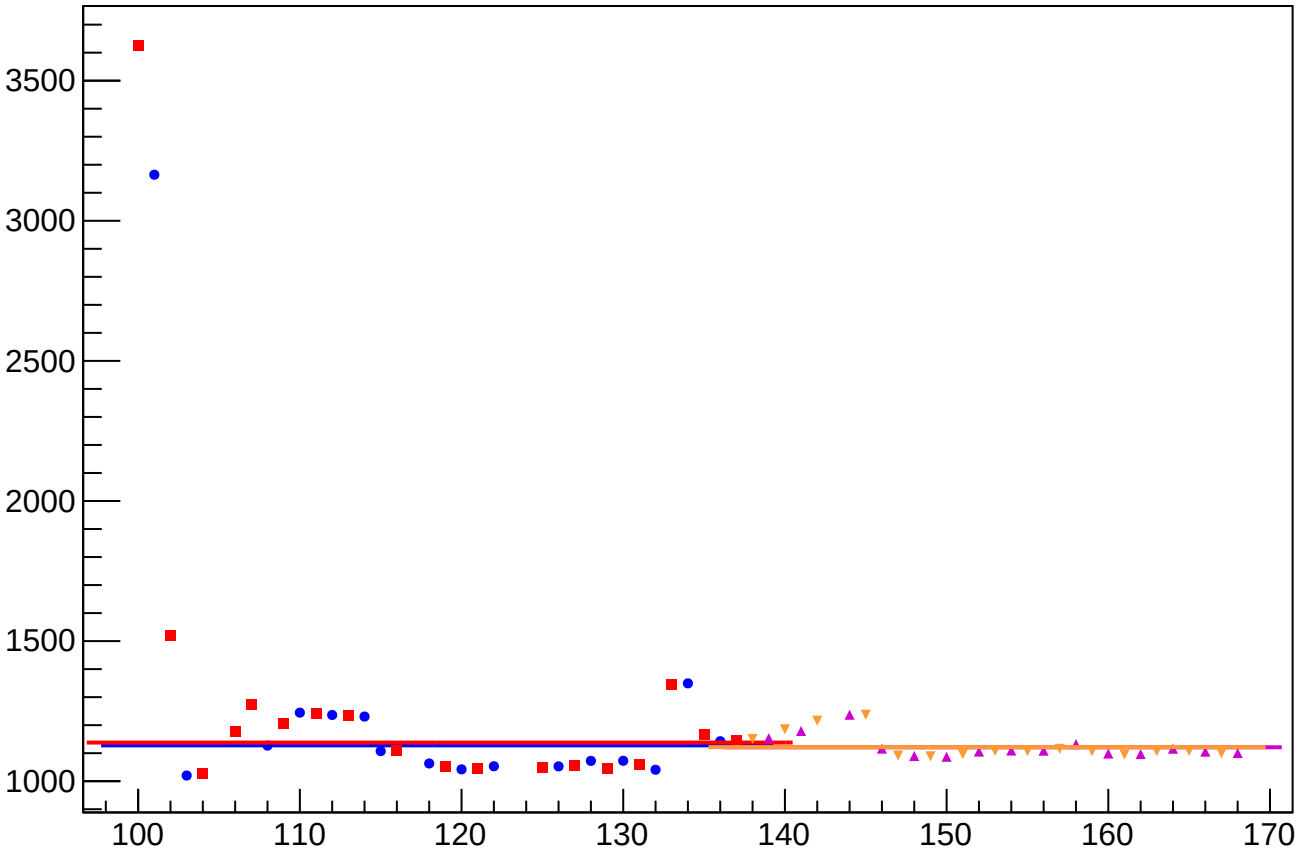
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 824.497+/-0.231 χ^2/NDF:26199755.0/30

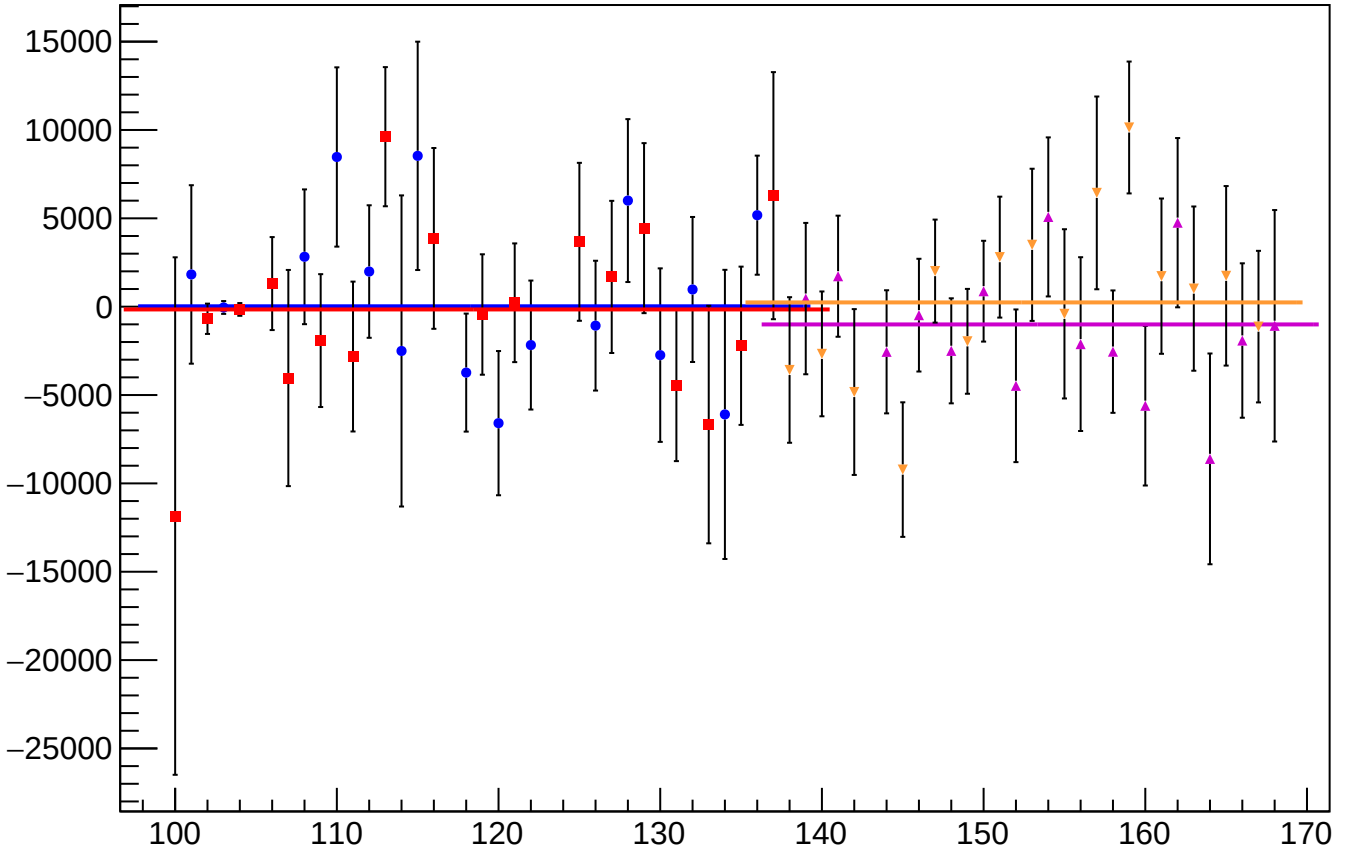
Out: 729.937+/-0.214 χ^2/NDF:25156934.3/32

All: 773.752+/-0.157 χ^2/NDF: 51446951.7/63


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 580.231+/-326.437 χ²/NDF:25.6/14
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -822.624+/-318.394 χ²/NDF:9.2/14
Left: -138.692+/-227.929 χ²/NDF: 44.3/29
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -604.460+/-255.705 χ²/NDF:25.3/30
Out: 396.205+/-260.170 χ²/NDF:47.1/32
All: -112.789+/-182.369 χ²/NDF: 80.0/63


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1121.628+/-0.231 χ²/NDF:31911.0/14
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1121.074+/-0.225 χ²/NDF:27879.3/14
Left: 1121.344+/-0.161 χ²/NDF: 59793.3/29
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1123.535+/-0.181 χ²/NDF:649611.7/30
Out: 1127.604+/-0.184 χ²/NDF:254371.9/32
All: 1125.535+/-0.129 χ²/NDF: 904232.5/63

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 241.225+/-1018.277 χ^2/NDF:19.6/14

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -1004.462+/-1009.853 χ^2/NDF:8.5/14

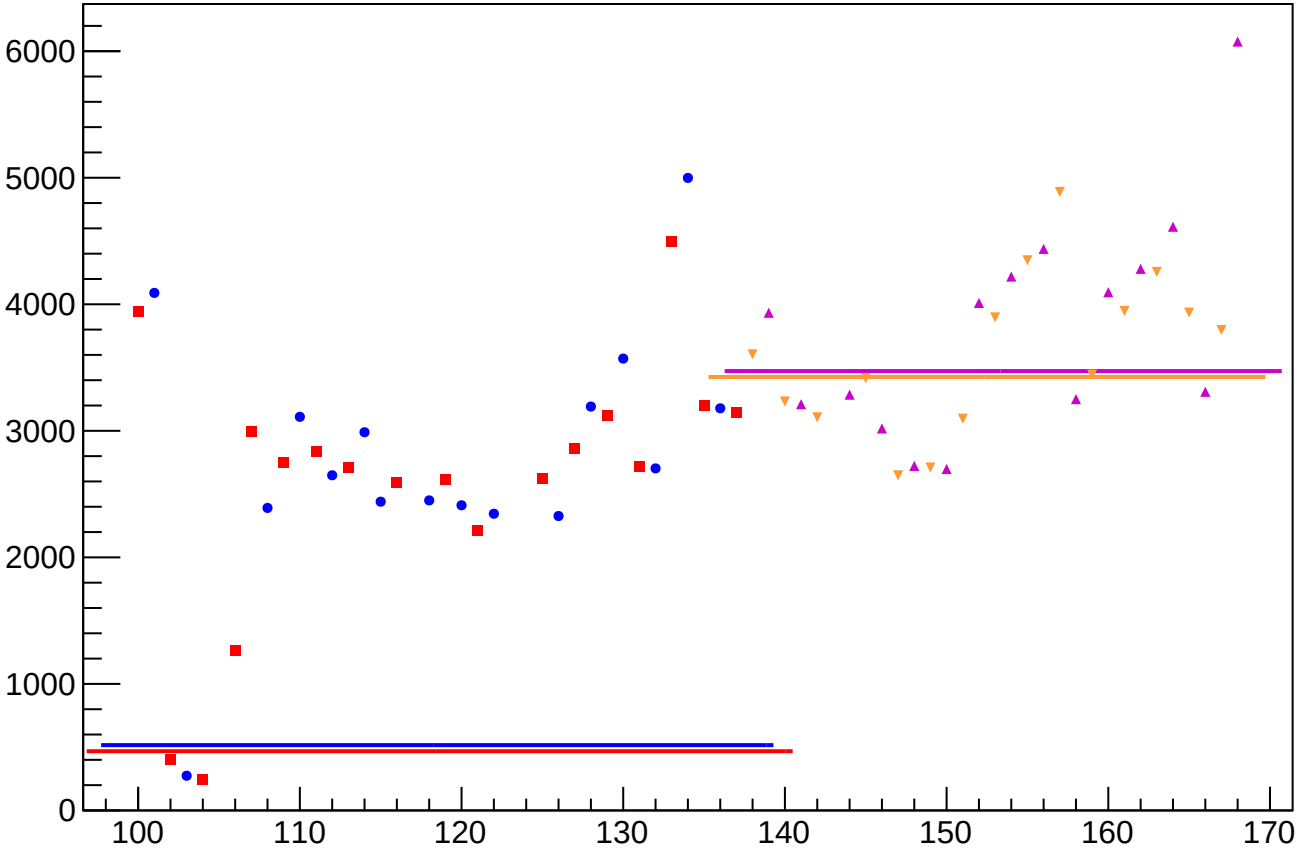
Left: -386.793+/-717.034 χ^2/NDF: 28.9/29

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -85.335+/-326.071 χ^2/NDF:24.3/30

Out: -121.041+/-302.992 χ^2/NDF:33.7/32

All: -104.496+/-221.959 χ^2/NDF: 58.1/63



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3425.848+/-0.720 χ^2/NDF:665208.8/14

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3472.431+/-0.714 χ^2/NDF:1013782.9/14

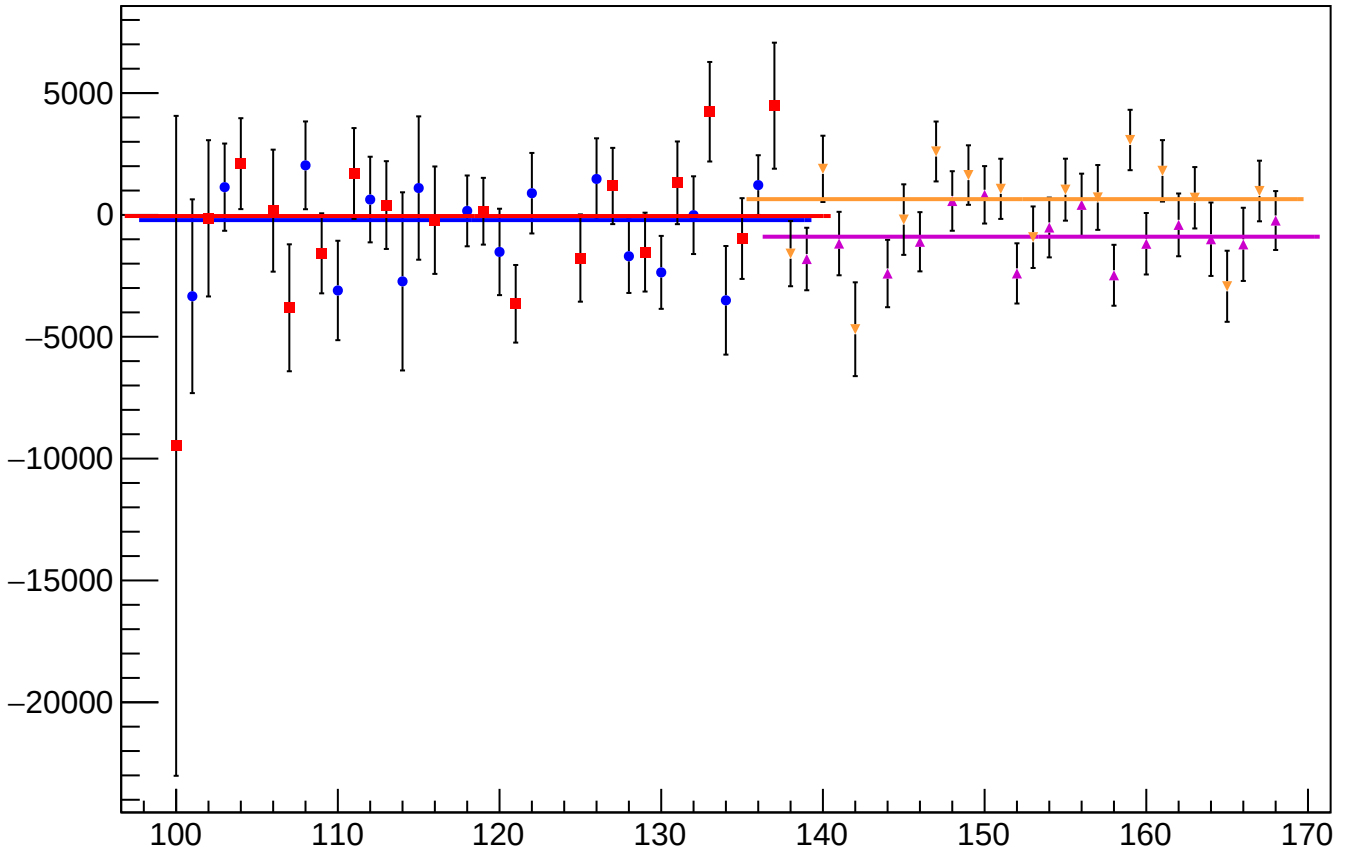
Left: 3449.333+/-0.507 χ^2/NDF: 1681101.9/29

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 824.497+/-0.231 χ^2/NDF:26199755.0/30

Out: 729.937+/-0.214 χ^2/NDF:25156934.3/32

All: 773.752+/-0.157 χ^2/NDF: 51446951.7/63



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 647.128+/-339.535 χ^2/NDF:27.4/14

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -894.121+/-330.417 χ^2/NDF:10.1/14

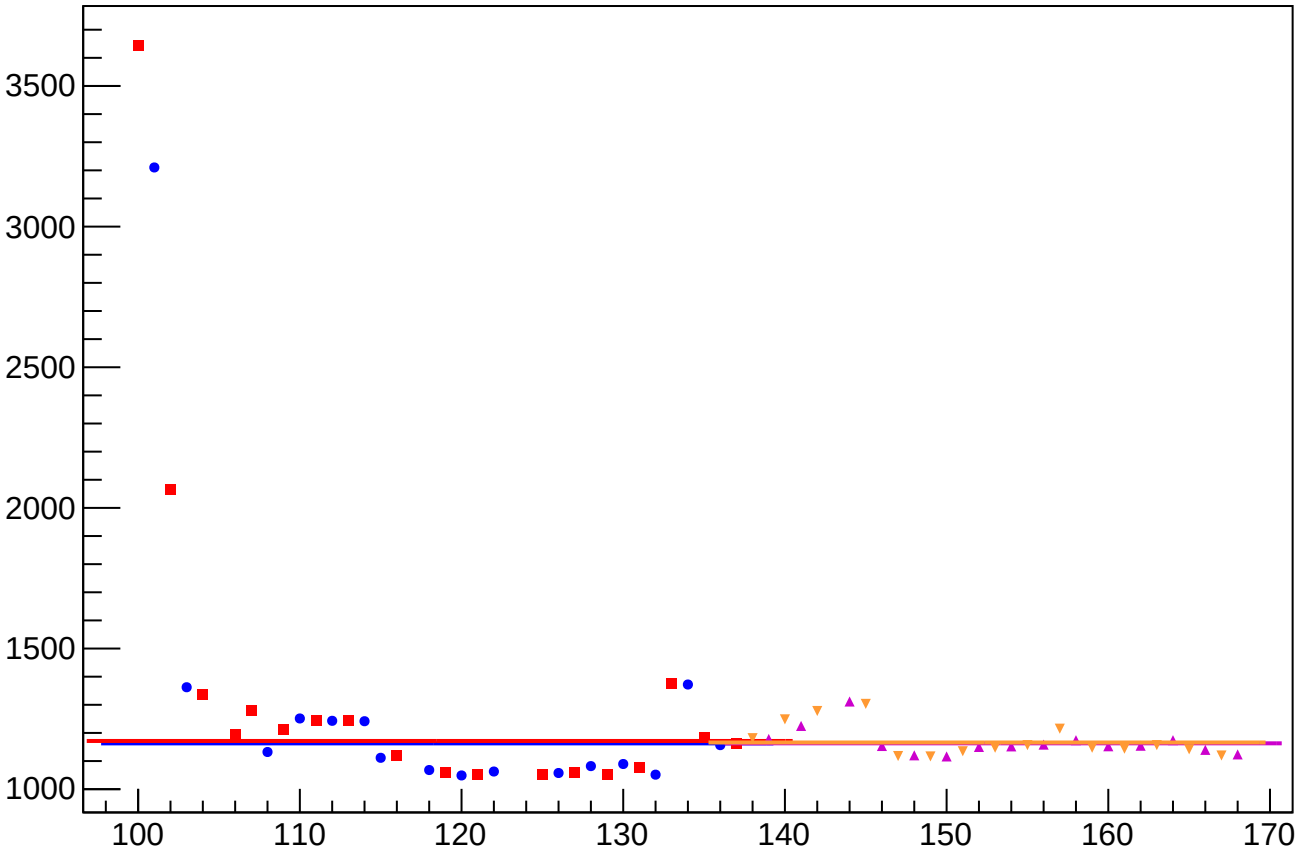
Left: -144.468+/-236.798 χ^2/NDF: 48.1/29

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -650.456+/-264.791 χ^2/NDF:26.0/30

Out: 393.860+/-270.428 χ^2/NDF:50.5/32

All: -139.294+/-189.197 χ^2/NDF: 84.1/63



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1166.018+/-0.240 χ^2/NDF:47722.2/14

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1163.051+/-0.234 χ^2/NDF:37119.1/14

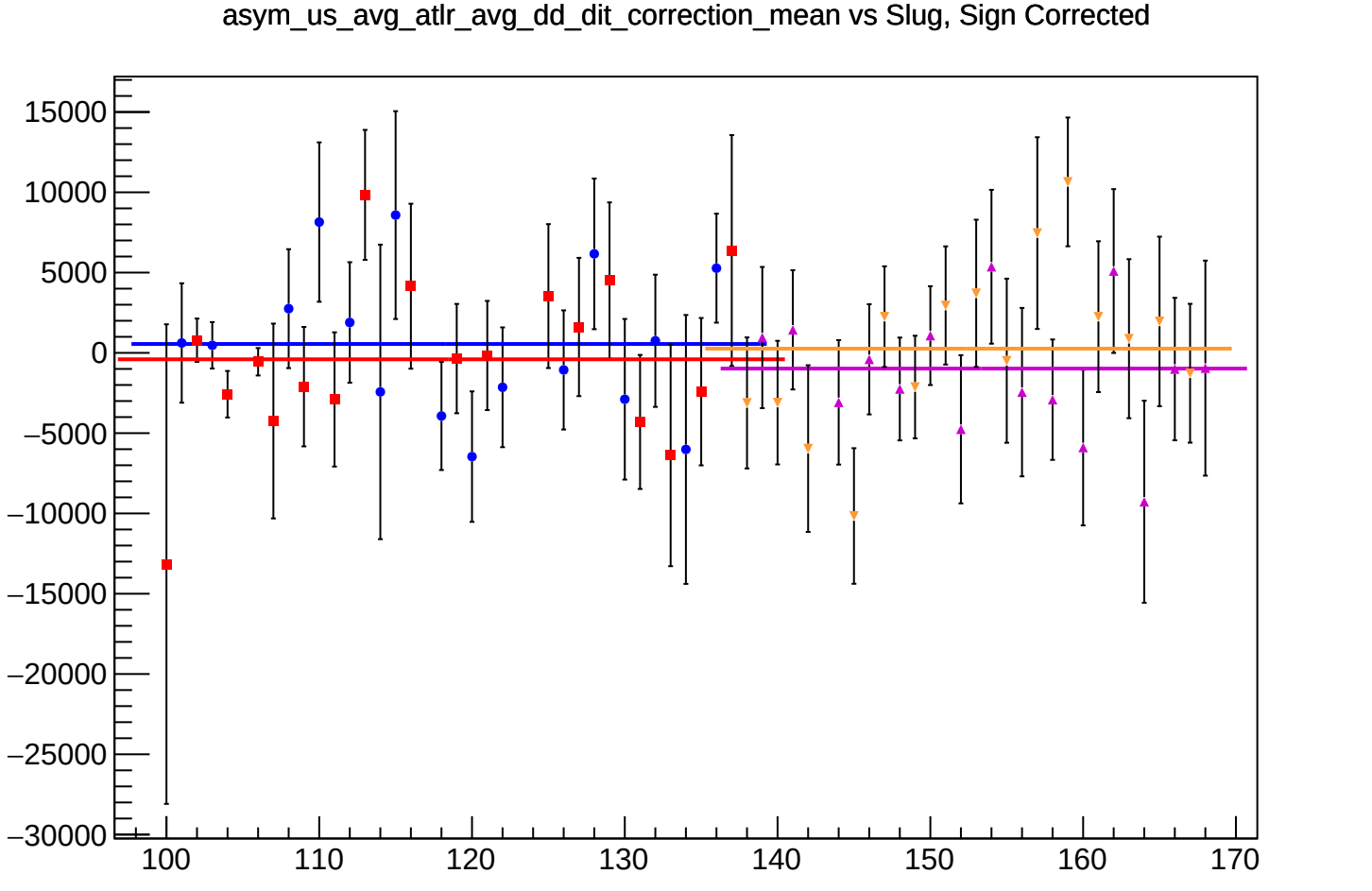
Left: 1164.494+/-0.167 χ^2/NDF: 84919.8/29

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1162.979+/-0.187 χ^2/NDF:672472.8/30

Out: 1167.995+/-0.191 χ^2/NDF:379548.3/32

All: 1165.435+/-0.134 χ^2/NDF: 1052372.3/63



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 261.928+/-1087.082 χ^2/NDF:19.7/14

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -979.692+/-1080.572 χ^2/NDF:8.5/14

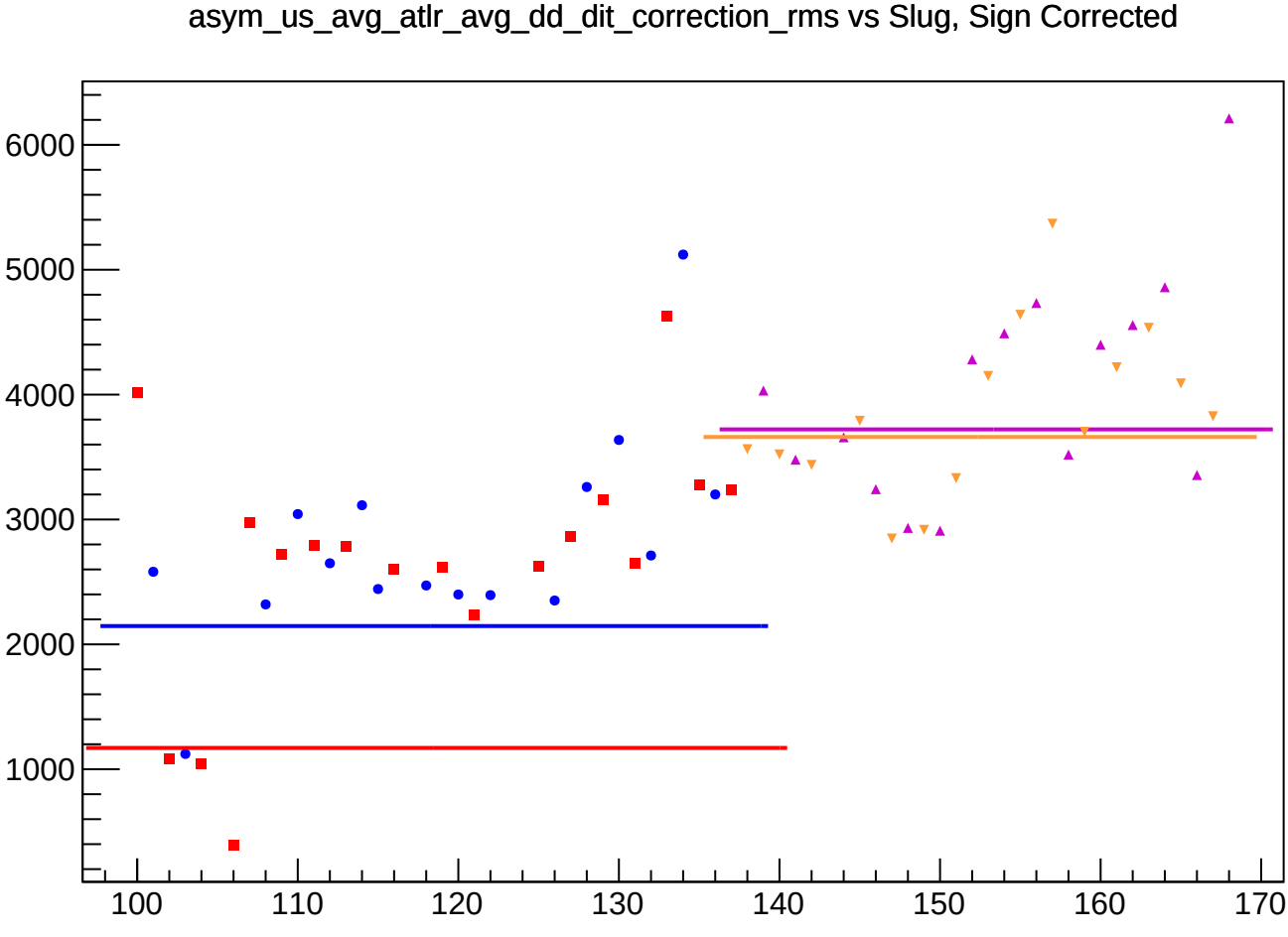
Left: -362.611+/-766.371 χ^2/NDF: 28.8/29

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: -53.550+/-679.602 χ^2/NDF:24.1/30

Out: -259.220+/-501.939 χ^2/NDF:36.6/32

All: -186.627+/-403.754 χ^2/NDF: 60.8/63



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.542+/-0.769 χ^2/NDF:635254.8/14

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3721.337+/-0.764 χ^2/NDF:928576.8/14

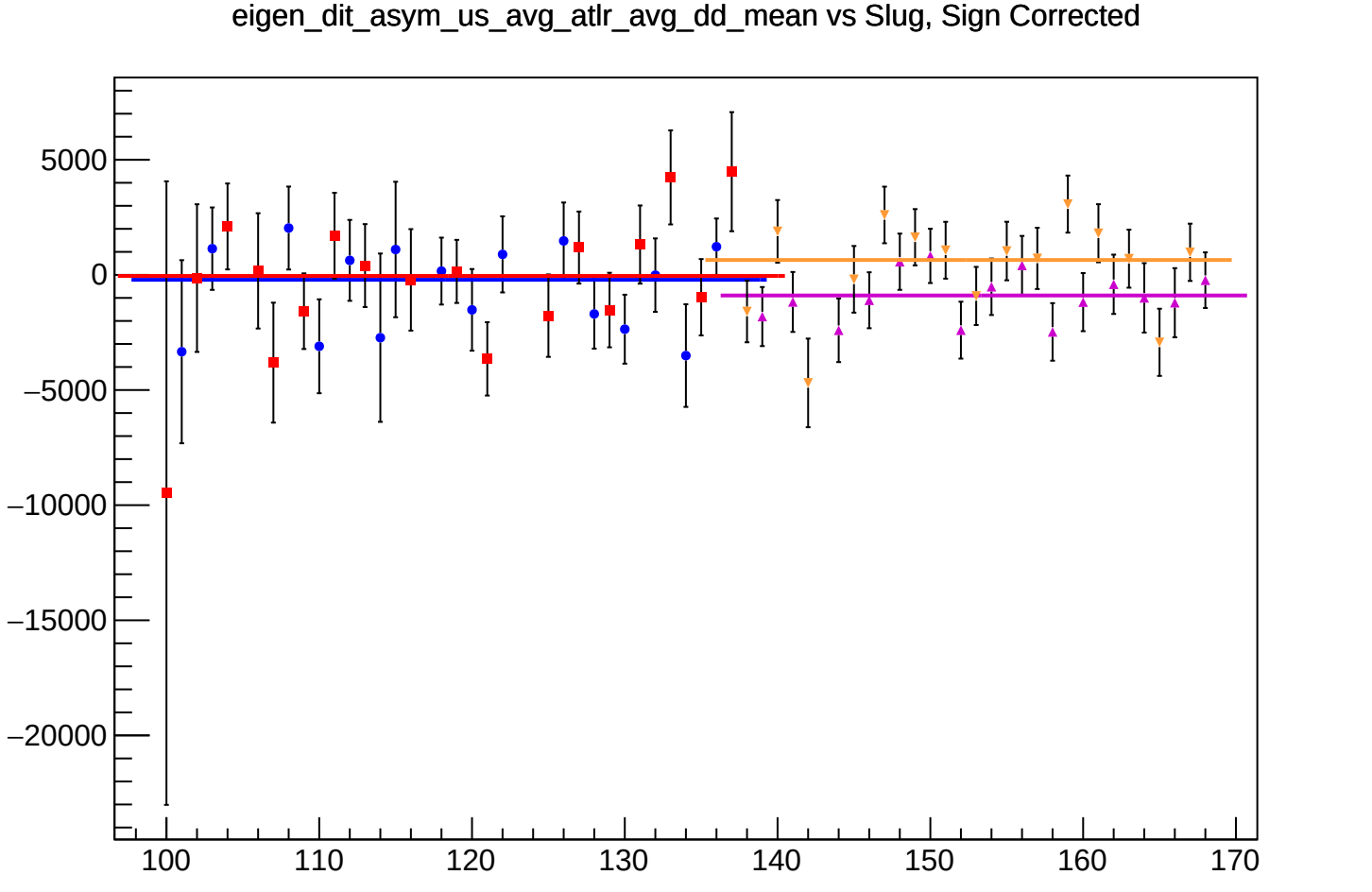
Left: 3691.122+/-0.542 χ^2/NDF: 1566978.1/29

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2769.499+/-0.481 χ^2/NDF:5470679.1/30

Out: 1701.423+/-0.355 χ^2/NDF:14708559.8/32

All: 2078.410+/-0.285 χ^2/NDF: 23375606.5/6



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 647.130+/-339.535 χ^2/NDF:27.4/14

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -894.121+/-330.417 χ^2/NDF:10.1/14

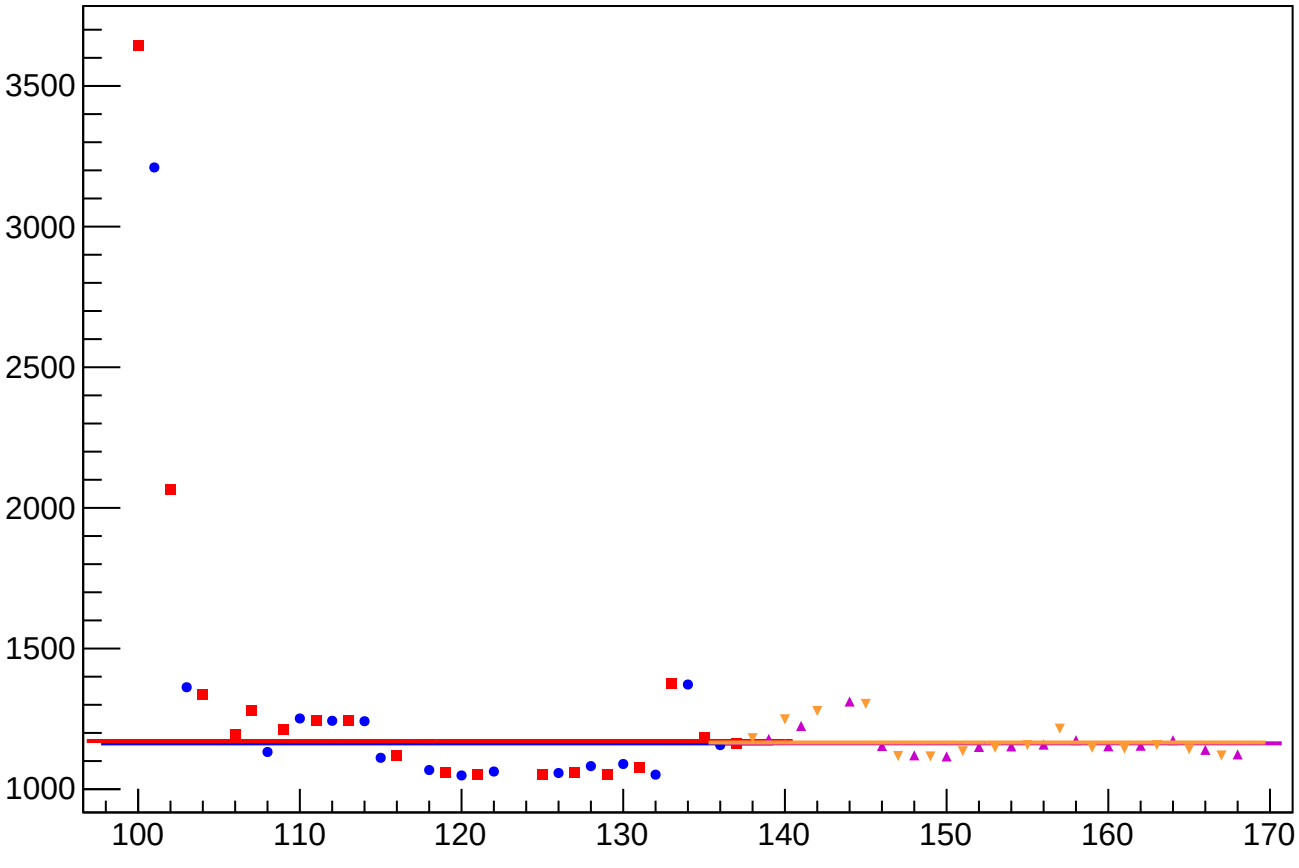
Left: -144.467+/-236.798 χ^2/NDF: 48.1/29

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -650.457+/-264.791 χ^2/NDF:26.0/30

Out: 393.860+/-270.428 χ^2/NDF:50.5/32

All: -139.295+/-189.197 χ^2/NDF: 84.1/63



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1166.019+/-0.240 χ^2/NDF:47722.6/14

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1163.052+/-0.234 χ^2/NDF:37119.3/14

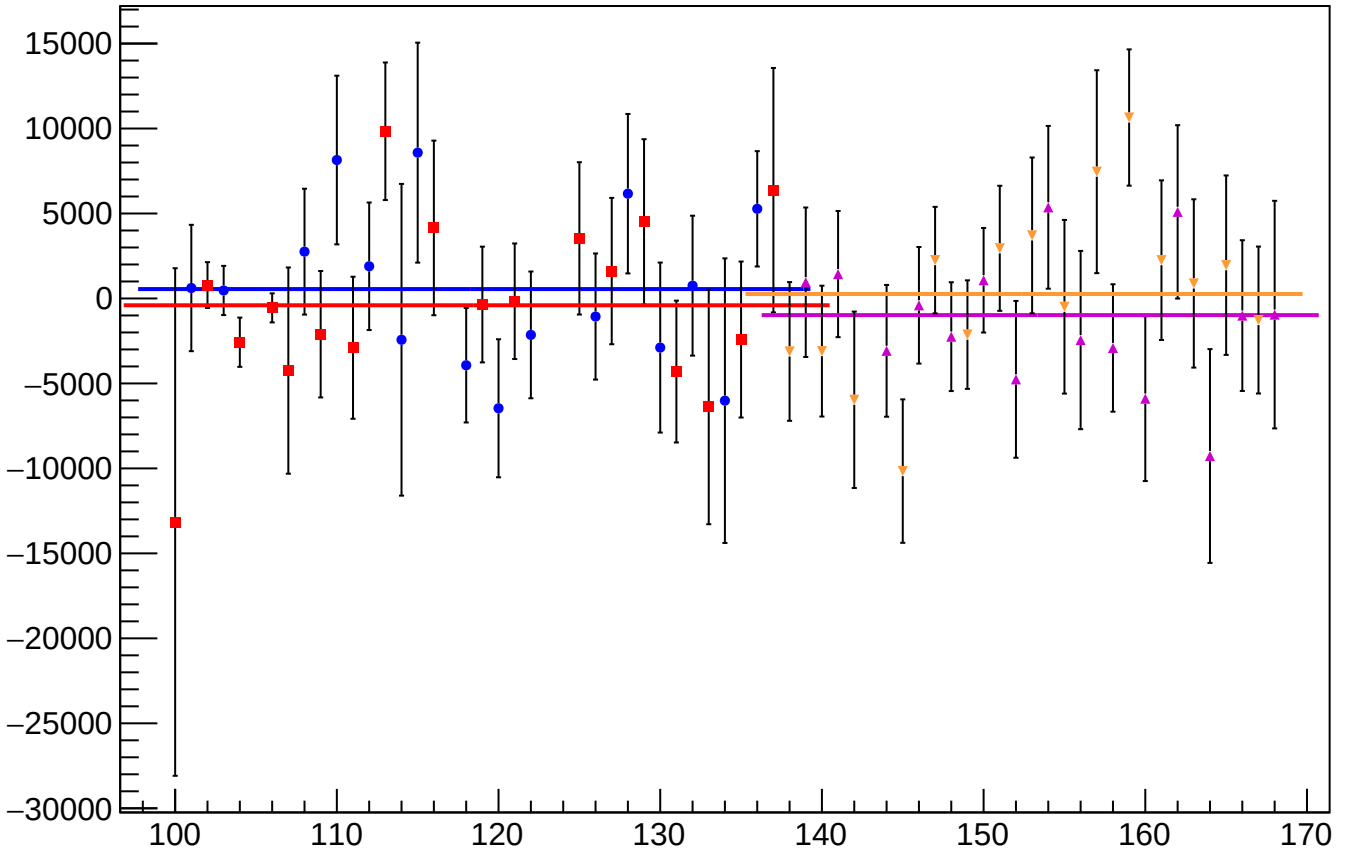
Left: 1164.495+/-0.167 χ^2/NDF: 84920.3/29

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1162.980+/-0.187 χ^2/NDF:672473.1/30

Out: 1167.995+/-0.191 χ^2/NDF:379548.2/32

All: 1165.435+/-0.134 χ^2/NDF: 1052372.6/63



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 261.929+/-1087.083 χ^2/NDF:19.7/14

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -979.690+/-1080.573 χ^2/NDF:8.5/14

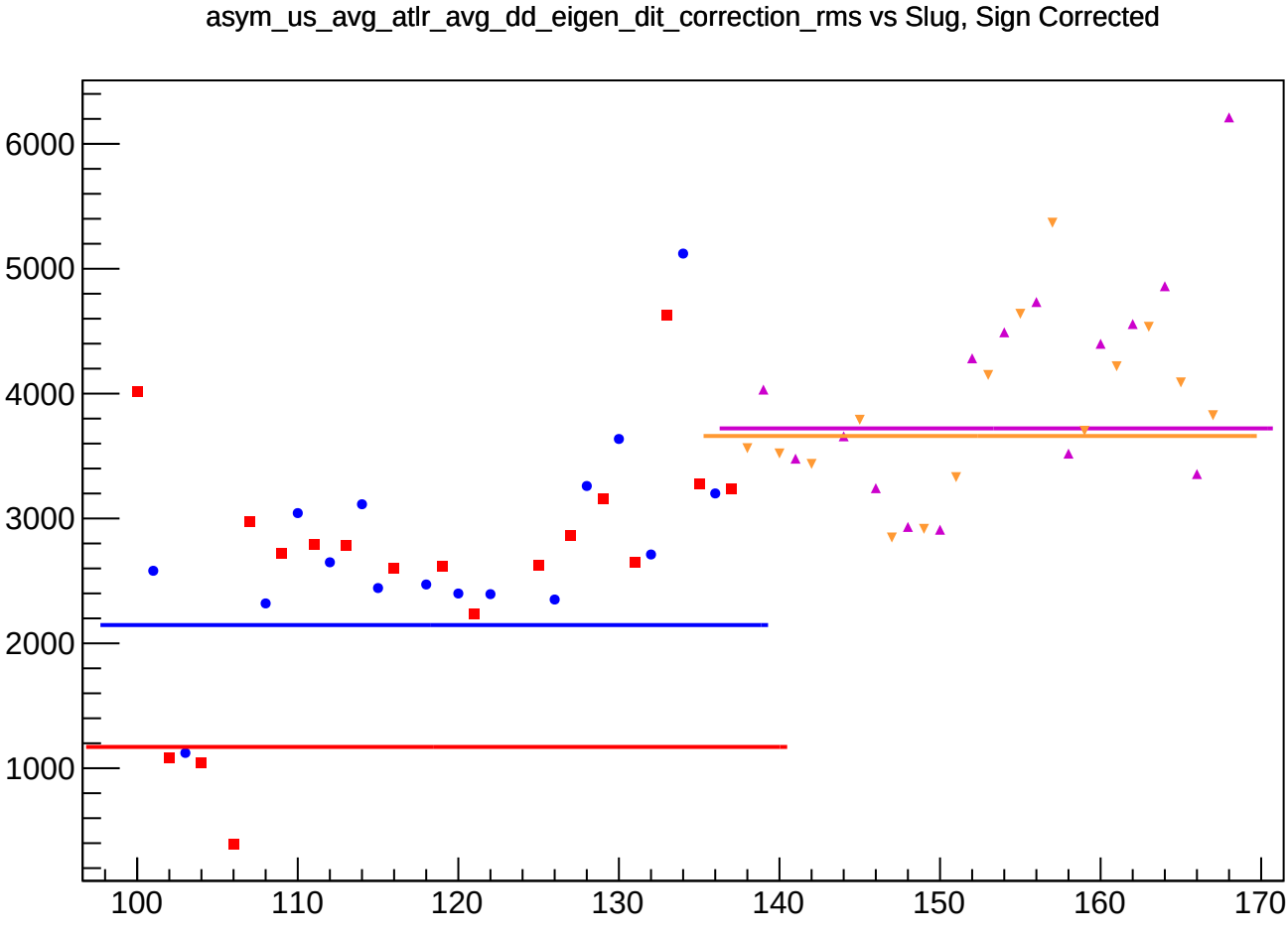
Left: -362.610+/-766.372 χ^2/NDF: 28.8/29

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -53.551+/-679.602 χ^2/NDF:24.1/30

Out: -259.224+/-501.934 χ^2/NDF:36.6/32

All: -186.631+/-403.751 χ^2/NDF: 60.8/63



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3660.547+/-0.769 χ^2/NDF:635257.3/14

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3721.342+/-0.764 χ^2/NDF:928578.7/14

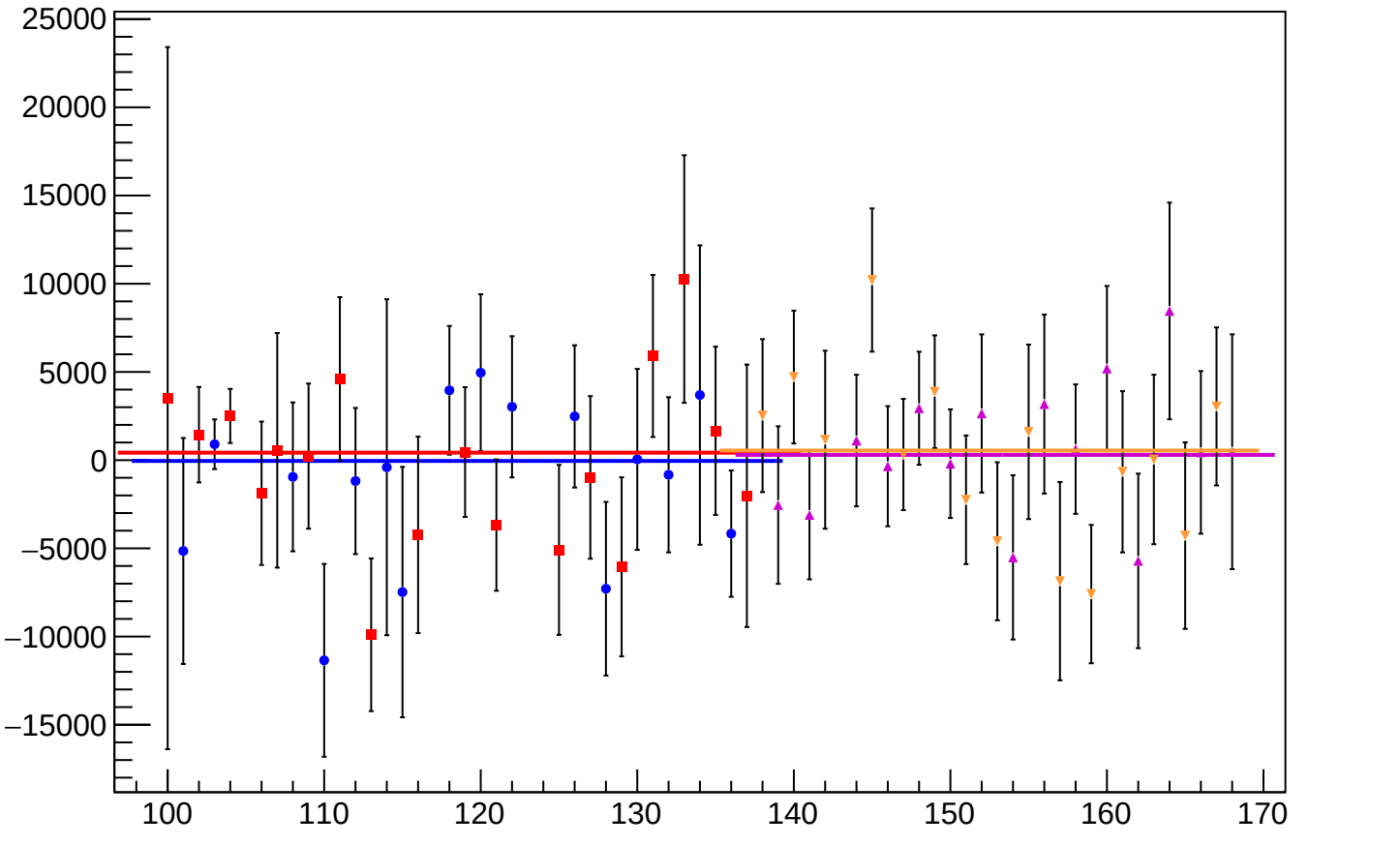
Left: 3691.127+/-0.542 χ^2/NDF: 1566982.3/29

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2769.497+/-0.481 χ^2/NDF:5470701.3/30

Out: 1701.394+/-0.355 χ^2/NDF:14708898.7/32

All: 2078.386+/-0.285 χ^2/NDF: 23376146.9/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 543.356+/-1077.377 χ^2/NDF:17.4/14

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 299.031+/-1067.216 χ^2/NDF:8.6/14

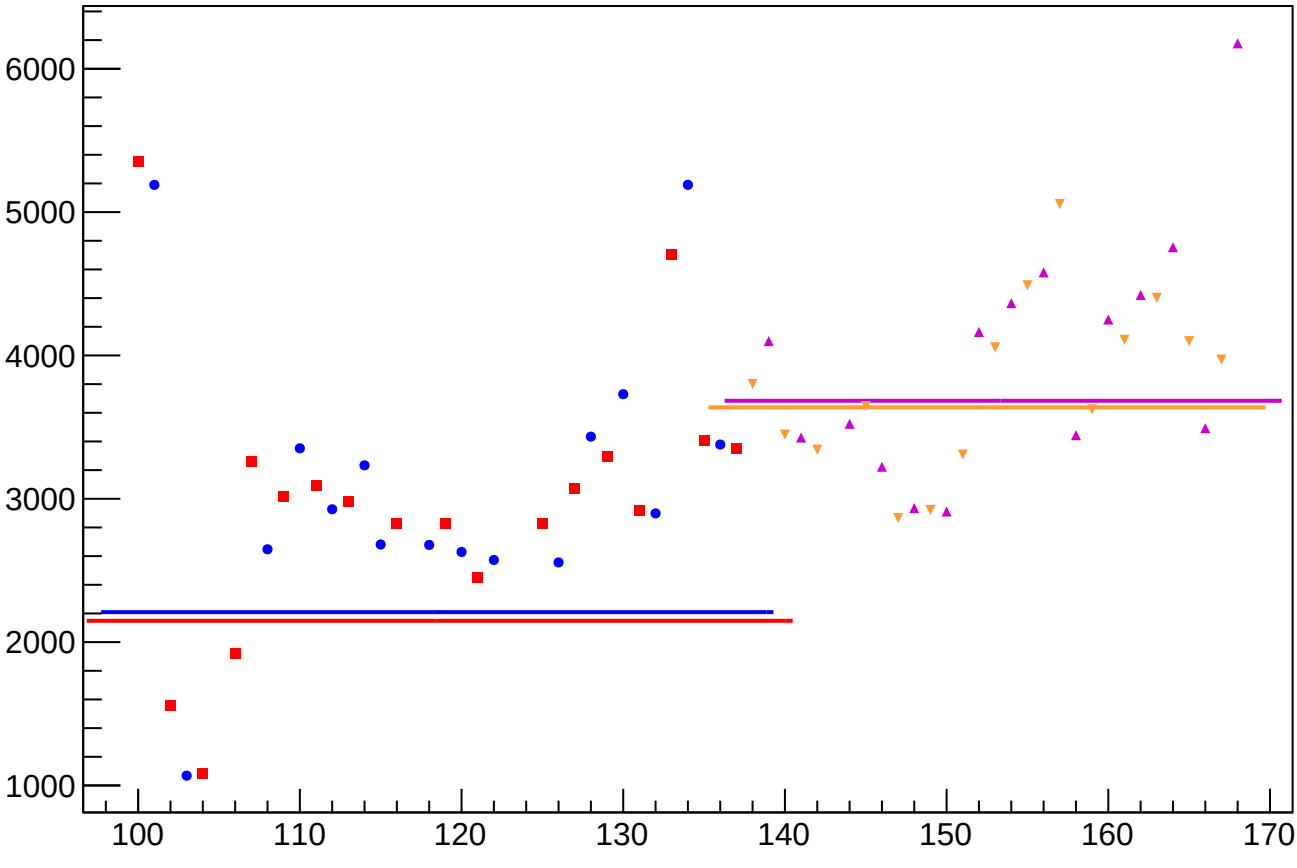
Left: 420.036+/-758.203 χ^2/NDF: 26.0/29

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 101.875+/-697.141 χ^2/NDF:22.4/30

Out: 472.537+/-689.231 χ^2/NDF:34.8/32

All: 289.321+/-490.133 χ^2/NDF: 57.3/63



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3638.061+/-0.762 χ^2/NDF:553267.9/14

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3683.771+/-0.755 χ^2/NDF:858222.5/14

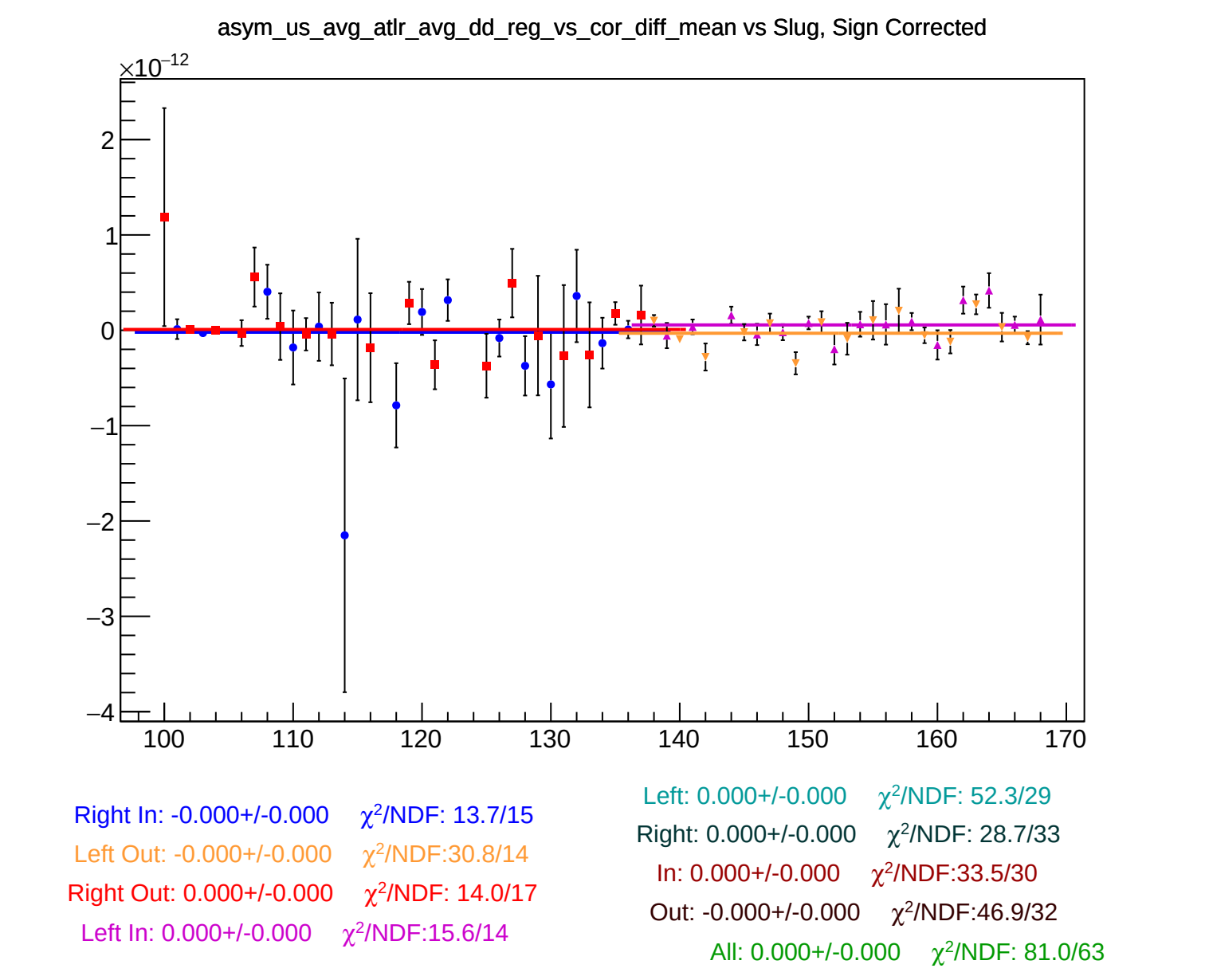
Left: 3661.132+/-0.536 χ^2/NDF: 1413307.5/29

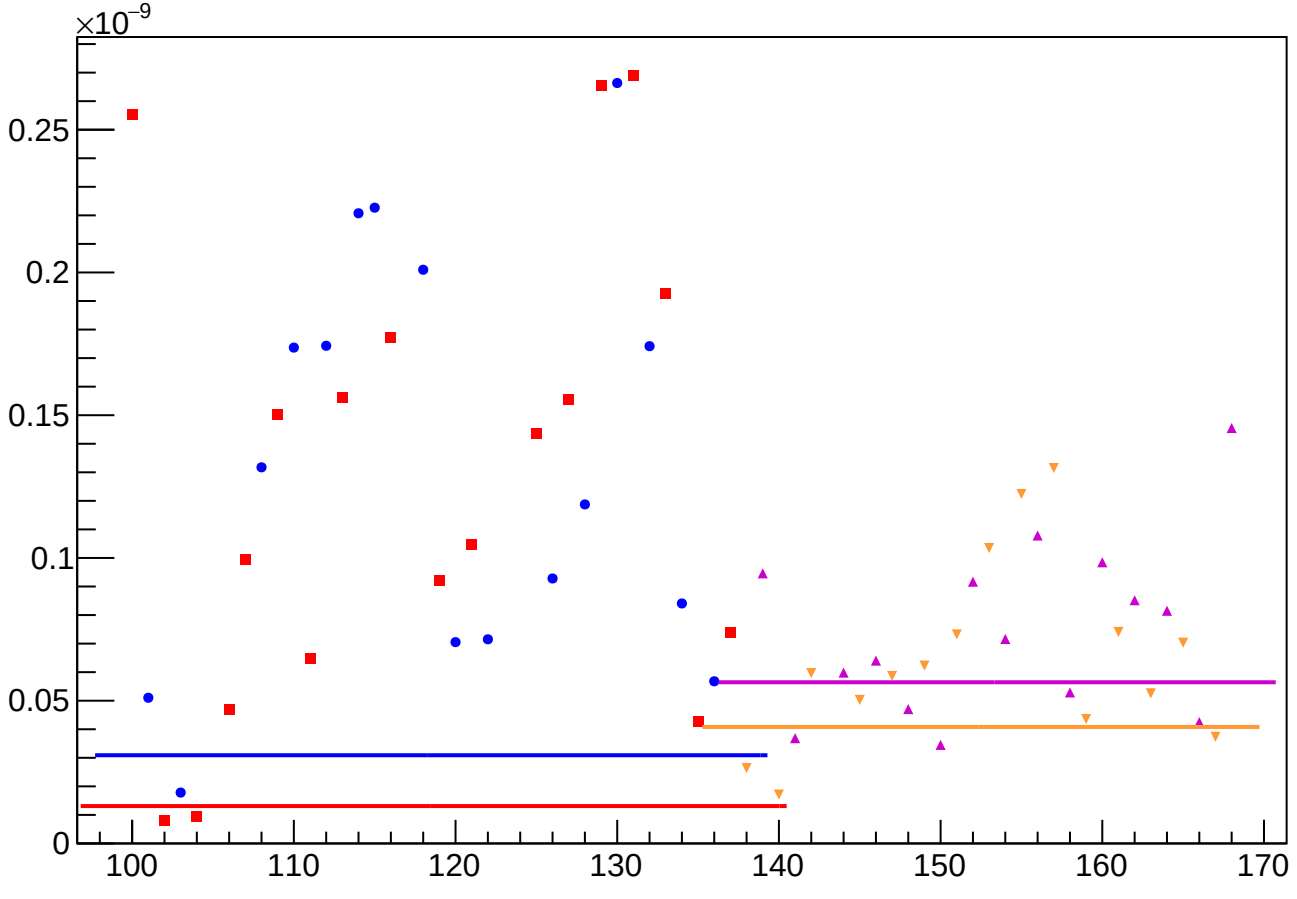
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2838.503+/-0.493 χ^2/NDF:5883570.6/30

Out: 2756.651+/-0.487 χ^2/NDF:5084447.1/32

All: 2797.052+/-0.346 χ^2/NDF: 10981980.1/6


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:30.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.6/14
Left: 0.000+/-0.000 χ²/NDF: 52.3/29
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: 0.000+/-0.000 χ²/NDF:33.5/30
Out: -0.000+/-0.000 χ²/NDF:46.9/32
All: 0.000+/-0.000 χ²/NDF: 81.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302040.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1343294.5/14

Left: 0.000+/-0.000 χ^2/NDF: 4028369.8/29

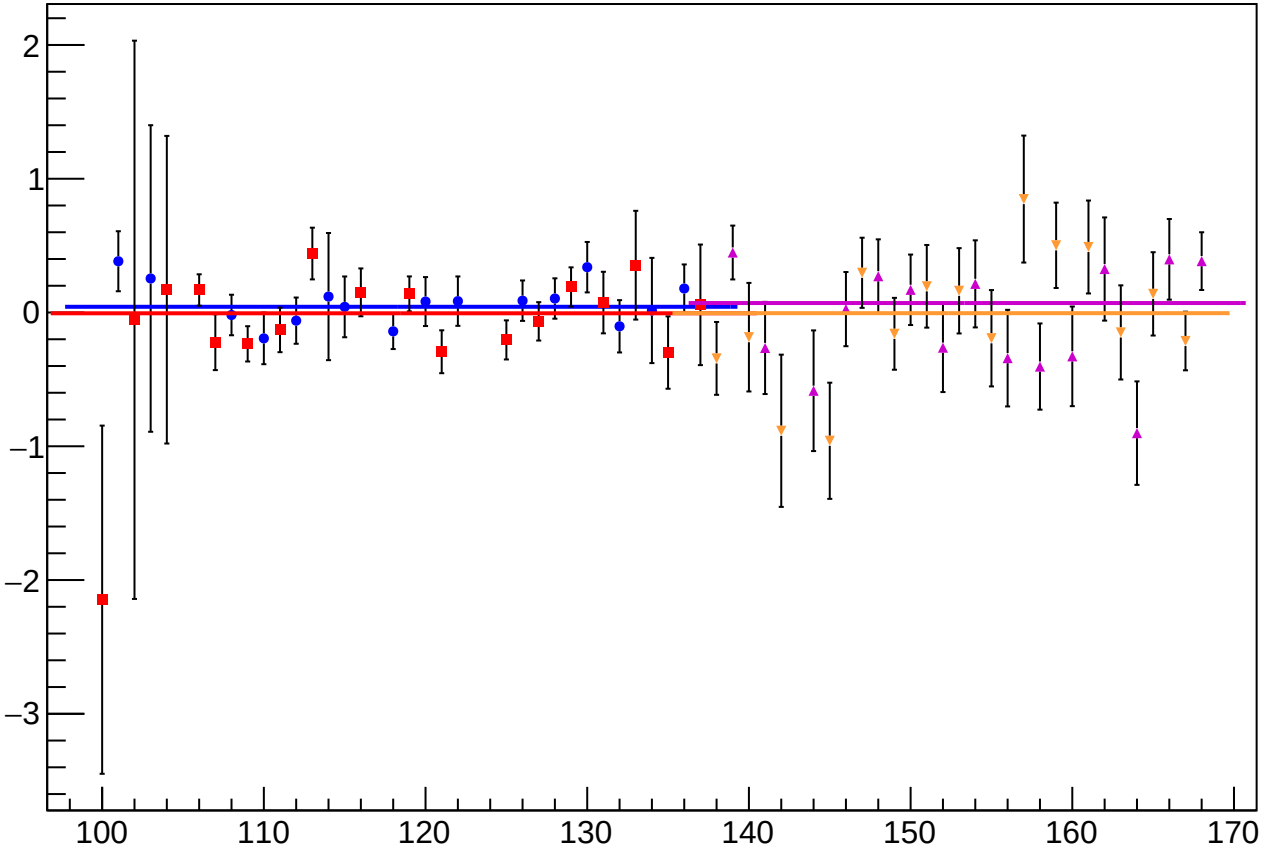
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5265970.6/30

Out: 0.000+/-0.000 χ^2/NDF:8047804.6/32

All: 0.000+/-0.000 χ^2/NDF: 15090812.1/63

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: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.077 χ^2/NDF:23.1/14

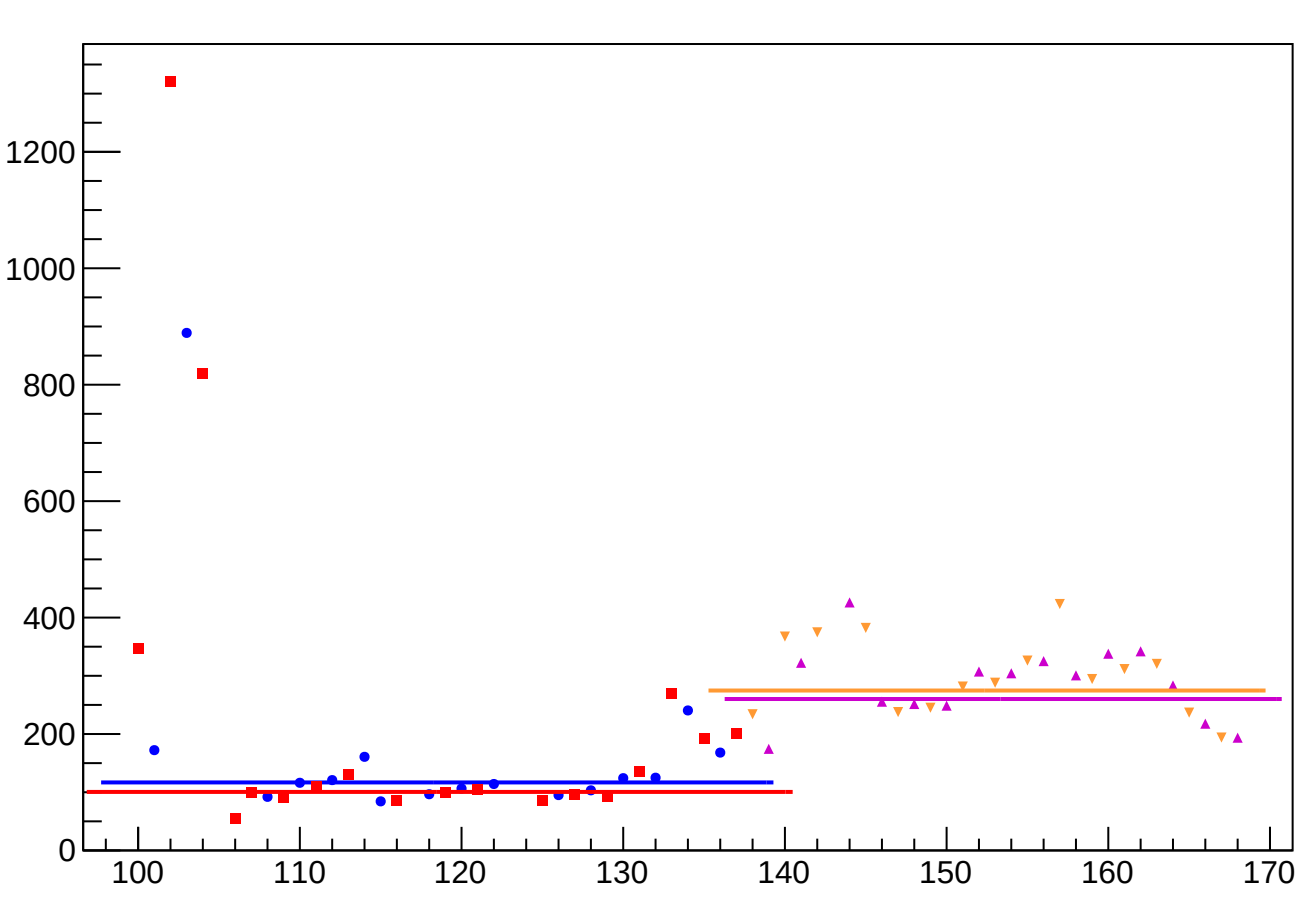
Left: 0.036+/-0.056 χ^2/NDF: 44.2/29

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.050+/-0.040 χ^2/NDF:33.5/30

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.021+/-0.028 χ^2/NDF: 81.2/63



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.716+/-0.058 χ^2/NDF:1004040.2/14

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 260.142+/-0.055 χ^2/NDF:1291325.4/14

Left: 266.933+/-0.040 χ^2/NDF: 2328512.4/29

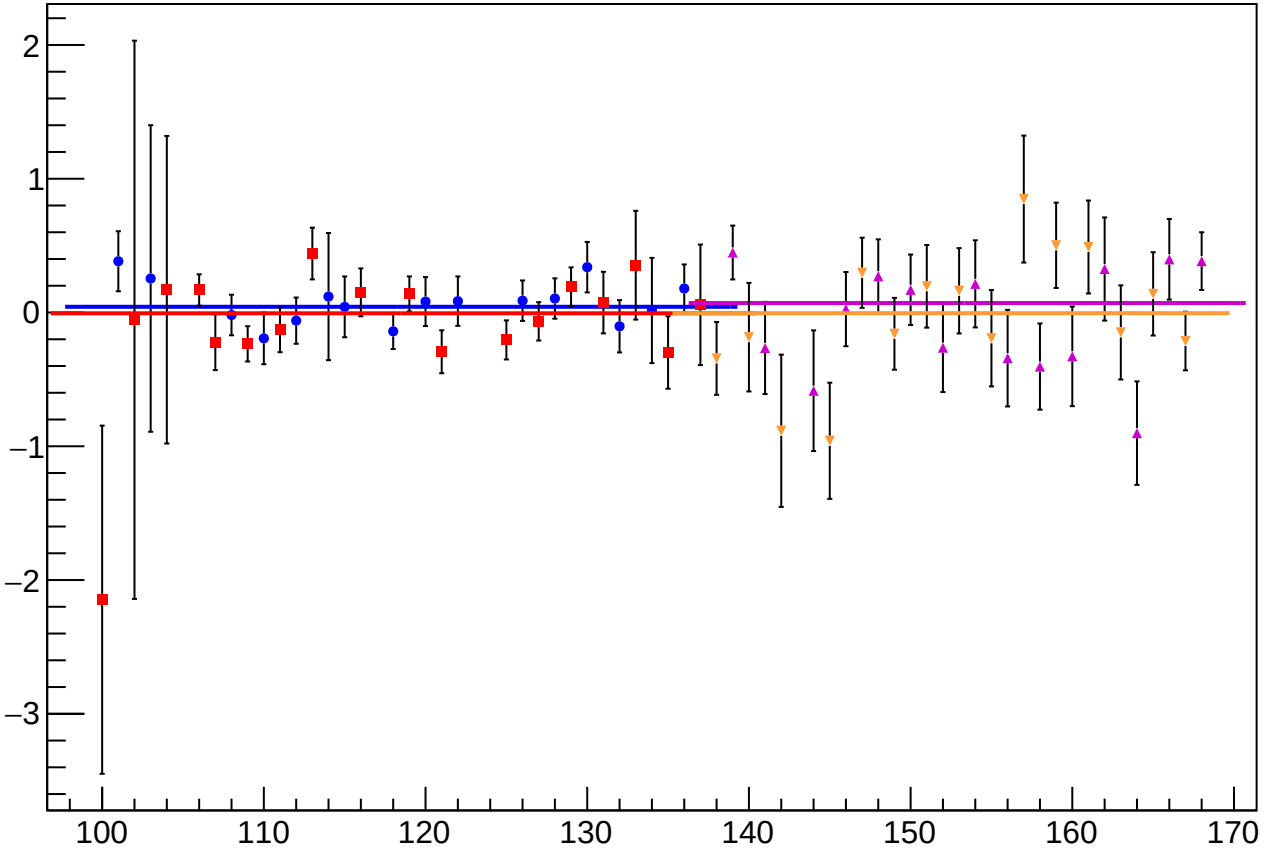
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.099+/-0.029 χ^2/NDF:7906097.4/30

Out: 138.108+/-0.027 χ^2/NDF:10621399.6/32

All: 146.642+/-0.020 χ^2/NDF: 18735519.5/63

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: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.077 χ^2/NDF:23.1/14

Left: 0.036+/-0.056 χ^2/NDF: 44.2/29

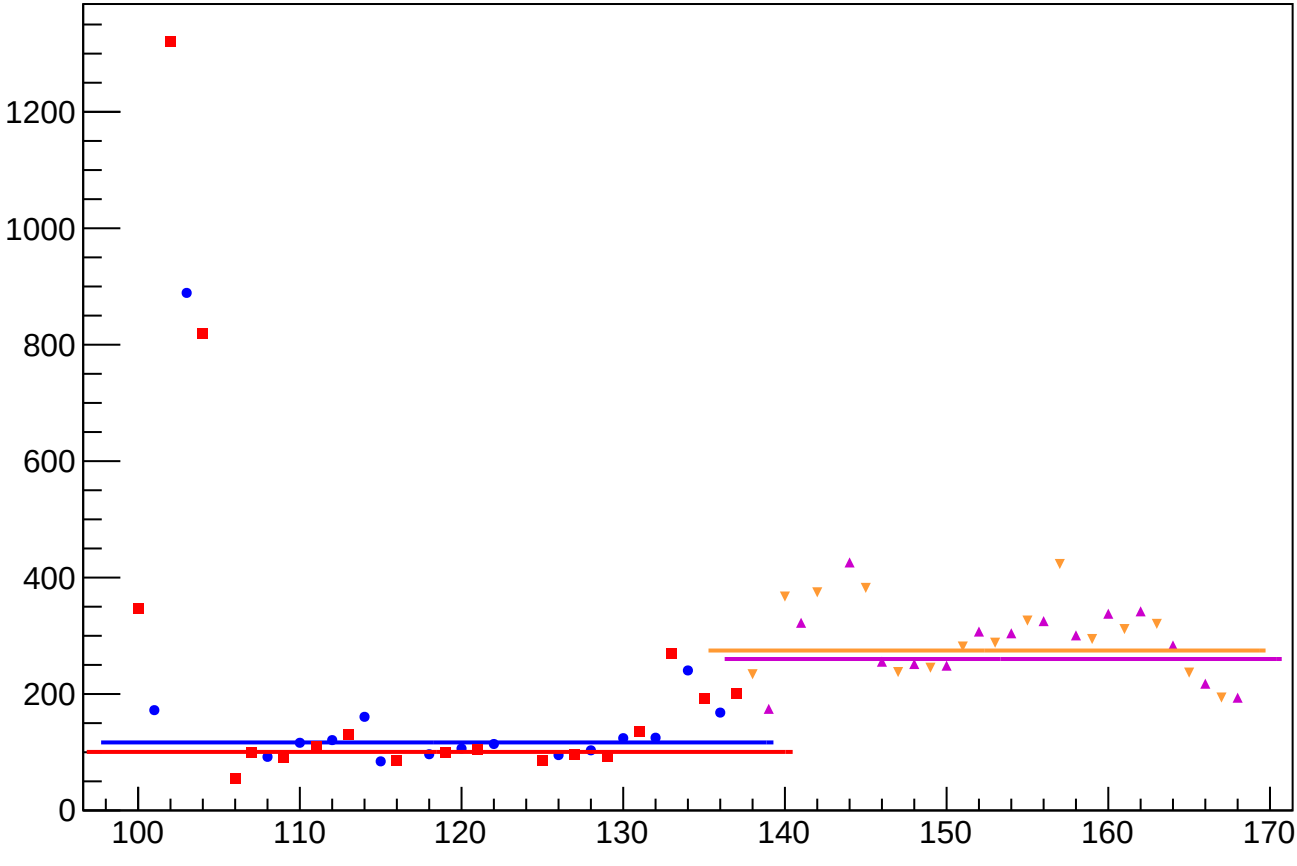
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.050+/-0.040 χ^2/NDF:33.5/30

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.021+/-0.028 χ^2/NDF: 81.2/63

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: 274.716+/-0.058 χ^2/NDF:1004040.2/14

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 260.142+/-0.055 χ^2/NDF:1291325.4/14

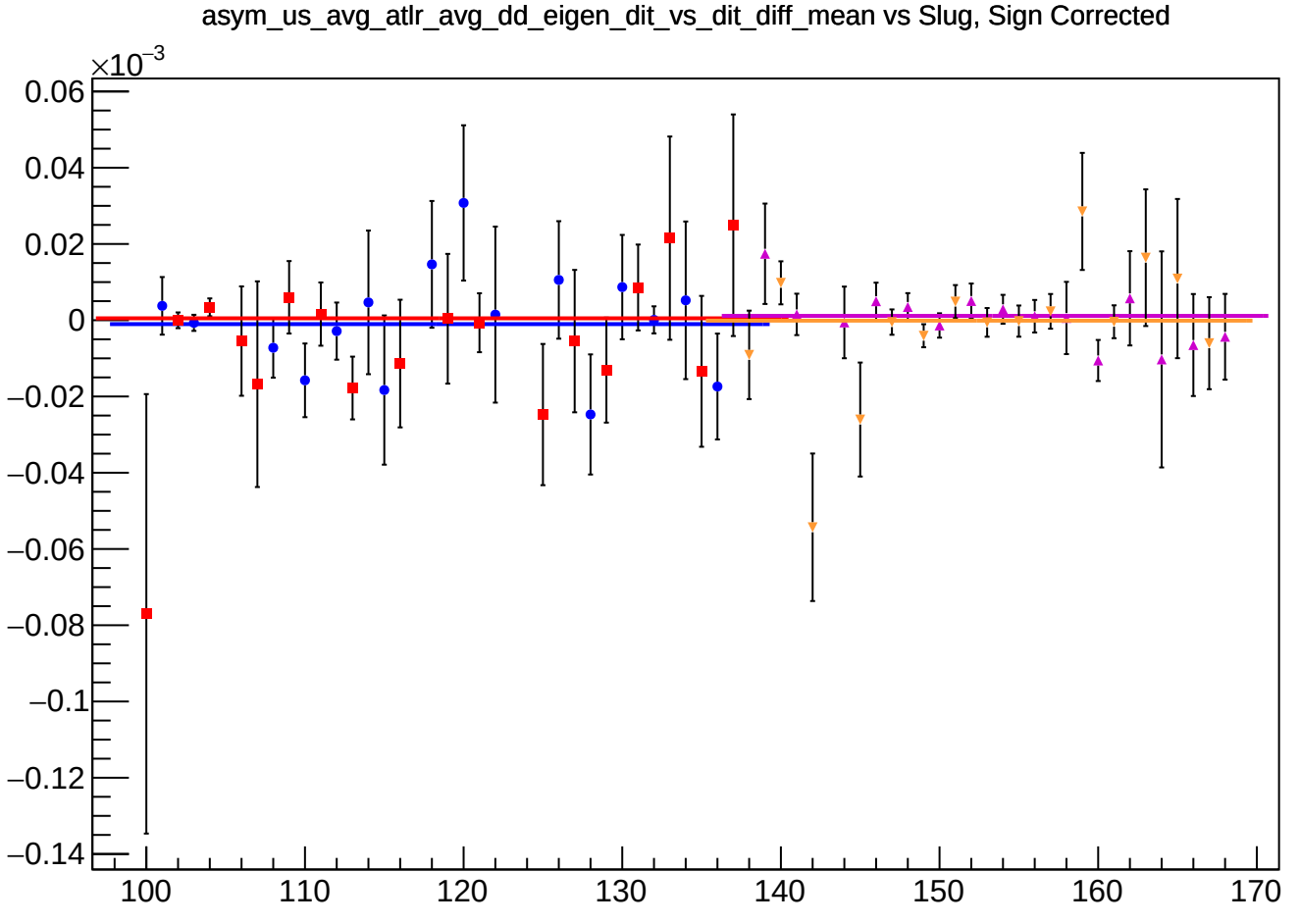
Left: 266.933+/-0.040 χ^2/NDF: 2328512.4/29

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.099+/-0.029 χ^2/NDF:7906097.4/30

Out: 138.108+/-0.027 χ^2/NDF:10621399.6/32

All: 146.642+/-0.020 χ^2/NDF: 18735519.5/63



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/14

Left: 0.000+/-0.000 χ^2/NDF: 32.9/29

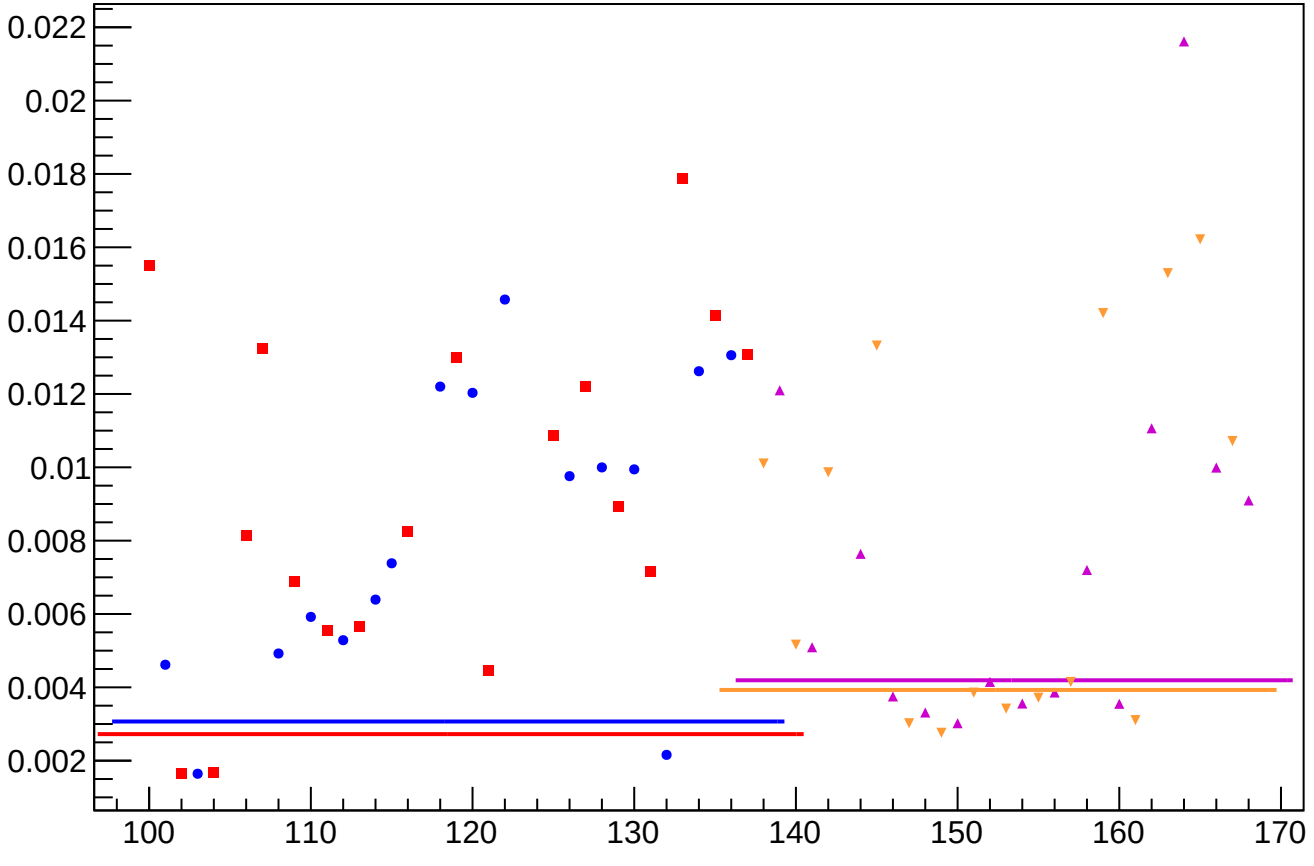
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:23.4/30

Out: 0.000+/-0.000 χ^2/NDF:37.9/32

All: 0.000+/-0.000 χ^2/NDF: 61.3/63

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:5234197.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3876606.0/14

Left: 0.004+/-0.000 χ^2/NDF: 9147407.3/29

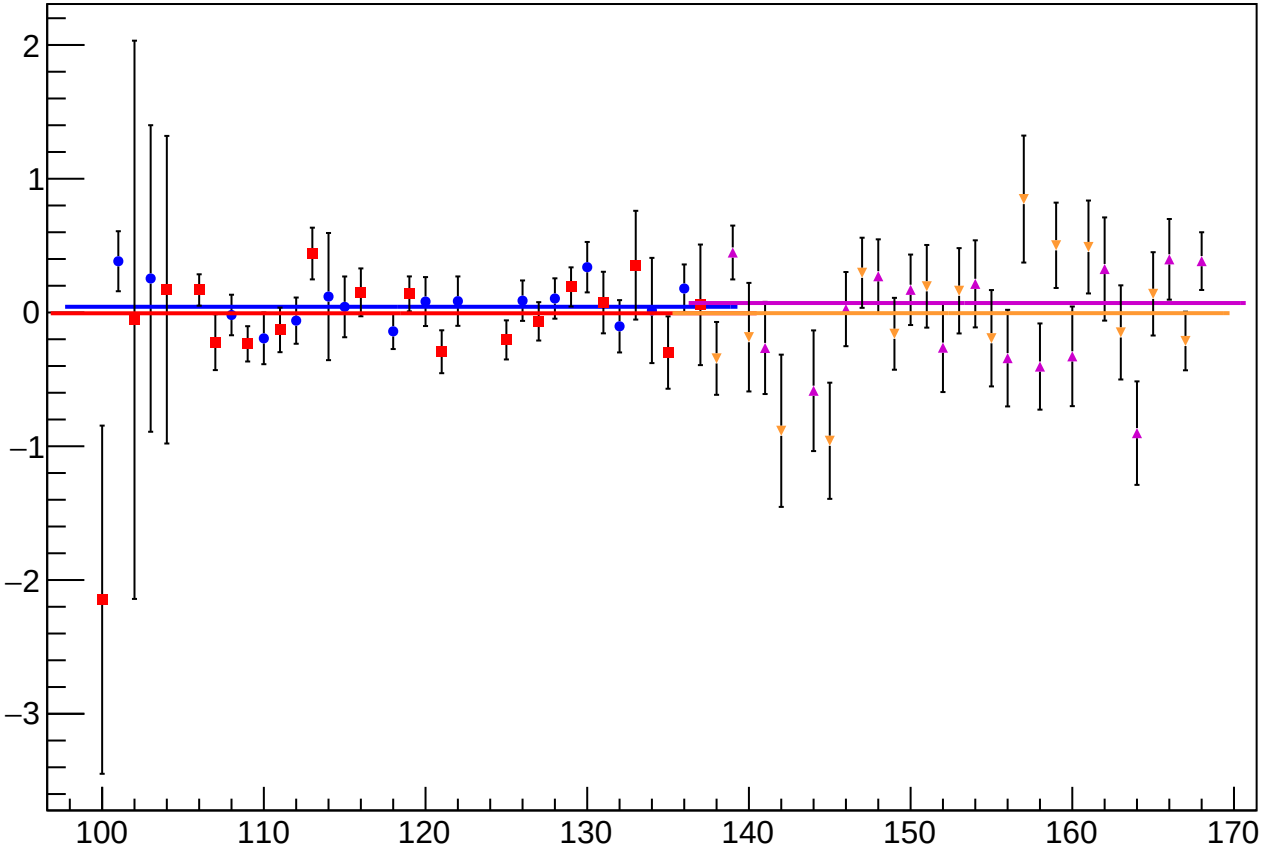
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:10405794.7/30

Out: 0.003+/-0.000 χ^2/NDF:12716794.5/32

All: 0.004+/-0.000 χ^2/NDF: 23242278.5/63

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: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.077 χ^2/NDF:23.1/14

Left: 0.036+/-0.056 χ^2/NDF: 44.2/29

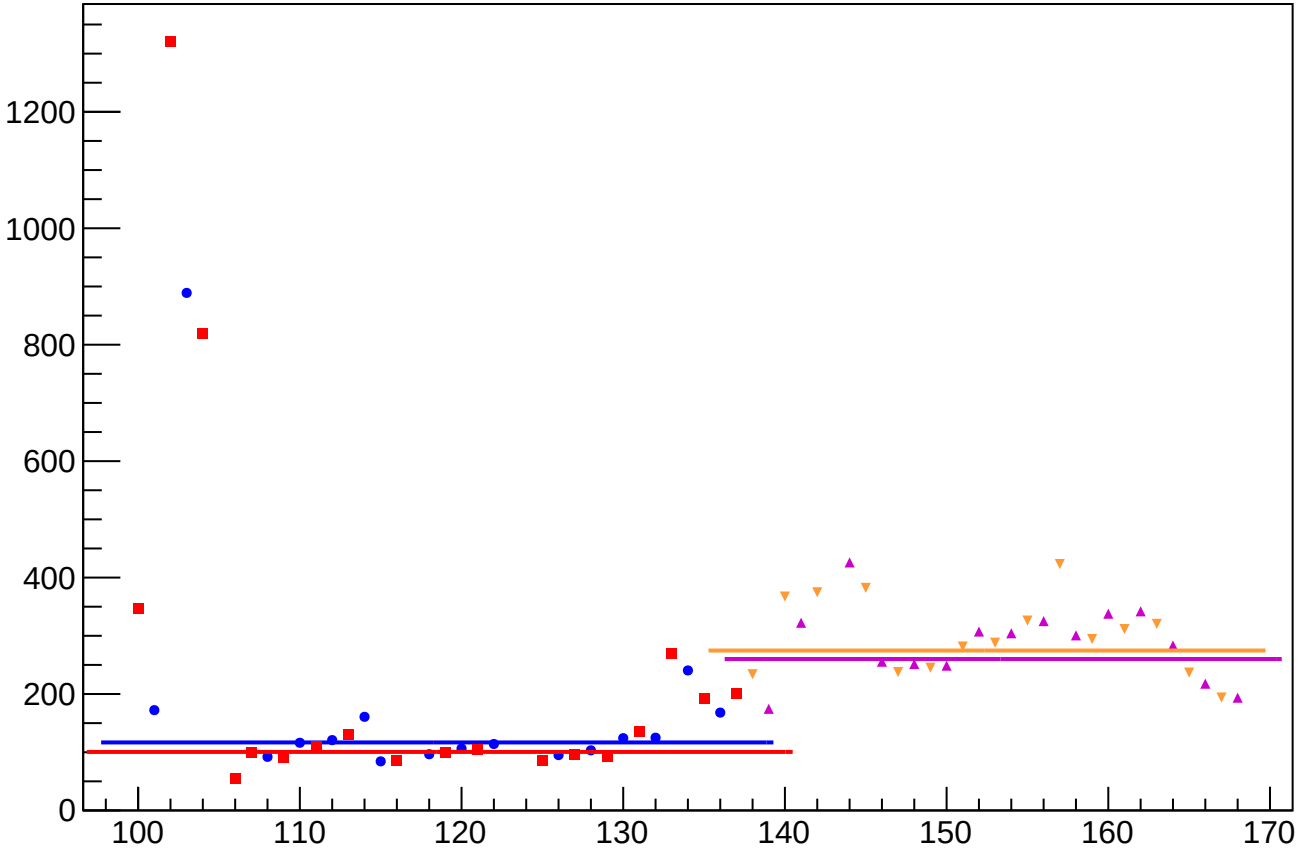
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.050+/-0.040 χ^2/NDF:33.5/30

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.021+/-0.028 χ^2/NDF: 81.2/63

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: 274.719+/-0.058 χ^2/NDF:1004045.3/14

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 260.146+/-0.055 χ^2/NDF:1291277.5/14

Left: 266.936+/-0.040 χ^2/NDF: 2328465.8/29

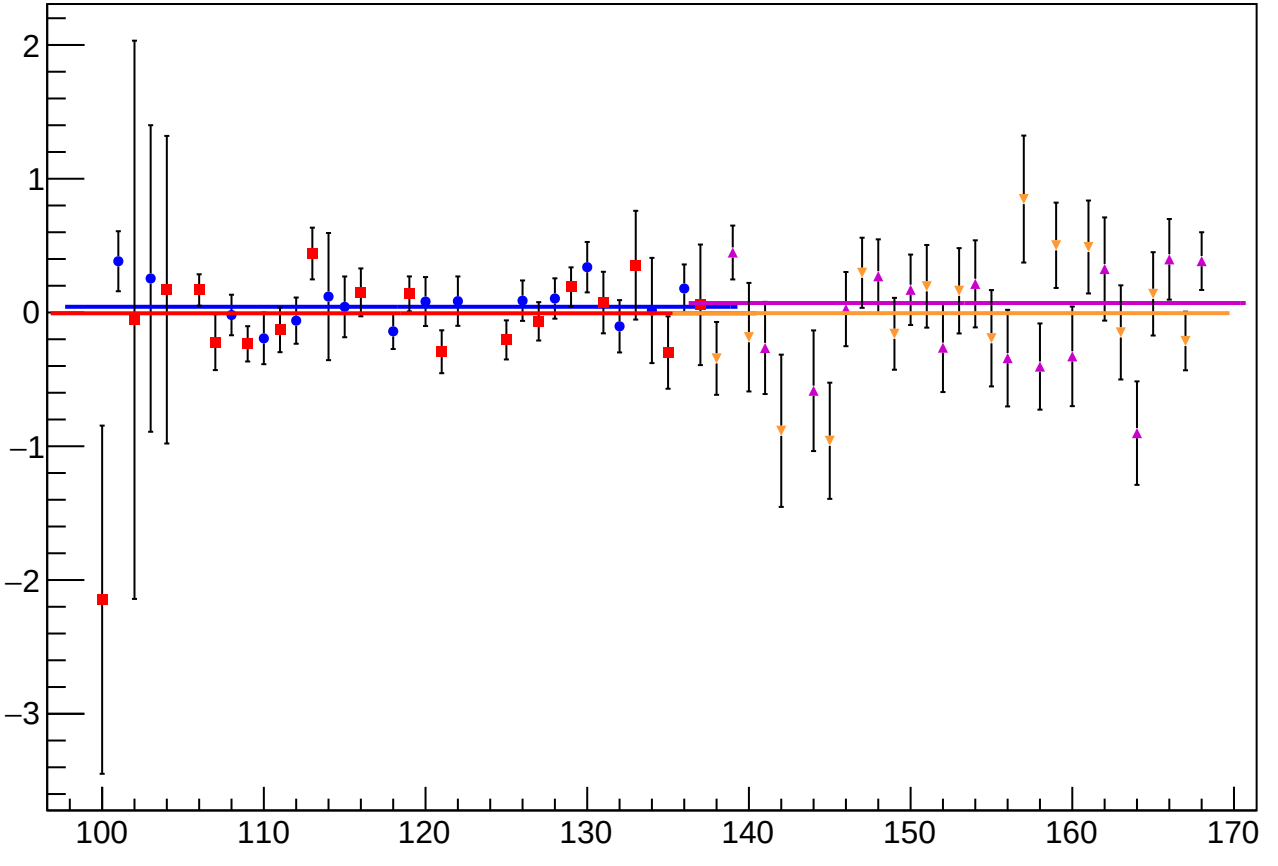
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.099+/-0.029 χ^2/NDF:7906239.0/30

Out: 138.107+/-0.027 χ^2/NDF:10621720.5/32

All: 146.641+/-0.020 χ^2/NDF: 18736010.7/63

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: -0.005+/-0.083 χ^2/NDF:20.6/14

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.077 χ^2/NDF:23.1/14

Left: 0.036+/-0.056 χ^2/NDF: 44.2/29

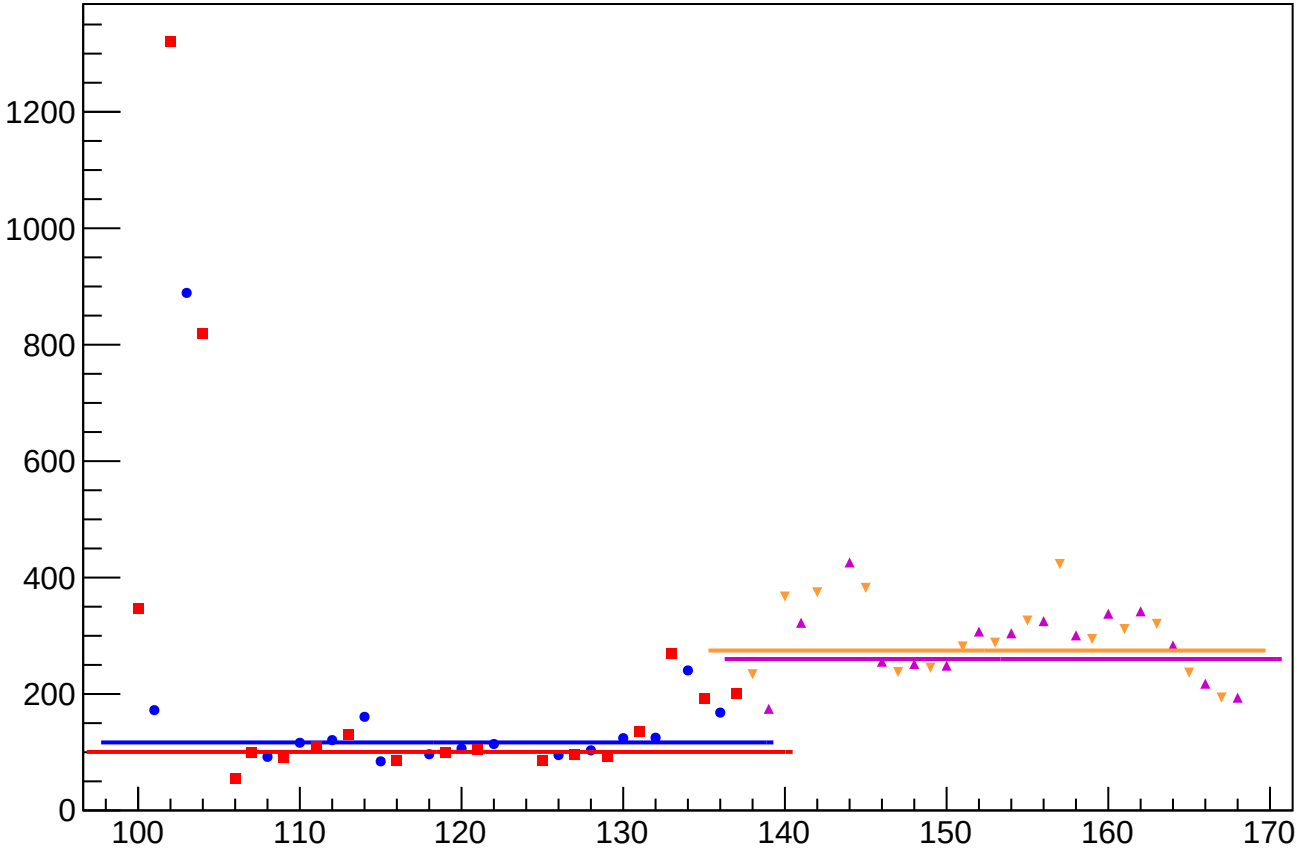
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.050+/-0.040 χ^2/NDF:33.5/30

Out: -0.006+/-0.038 χ^2/NDF:46.7/32

All: 0.021+/-0.028 χ^2/NDF: 81.2/63

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: 274.719+/-0.058 χ^2/NDF:1004045.3/14

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 260.146+/-0.055 χ^2/NDF:1291277.5/14

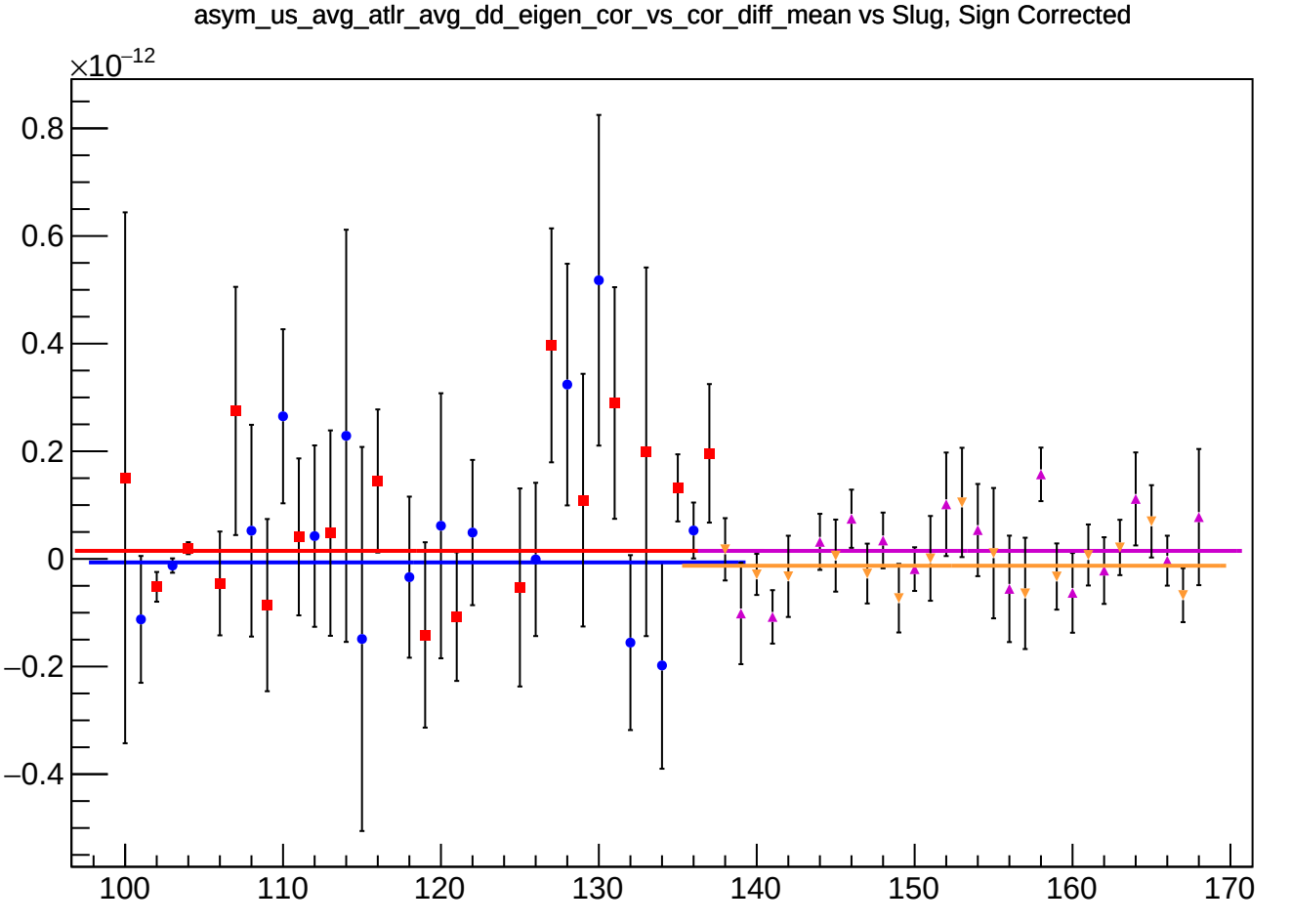
Left: 266.936+/-0.040 χ^2/NDF: 2328465.8/29

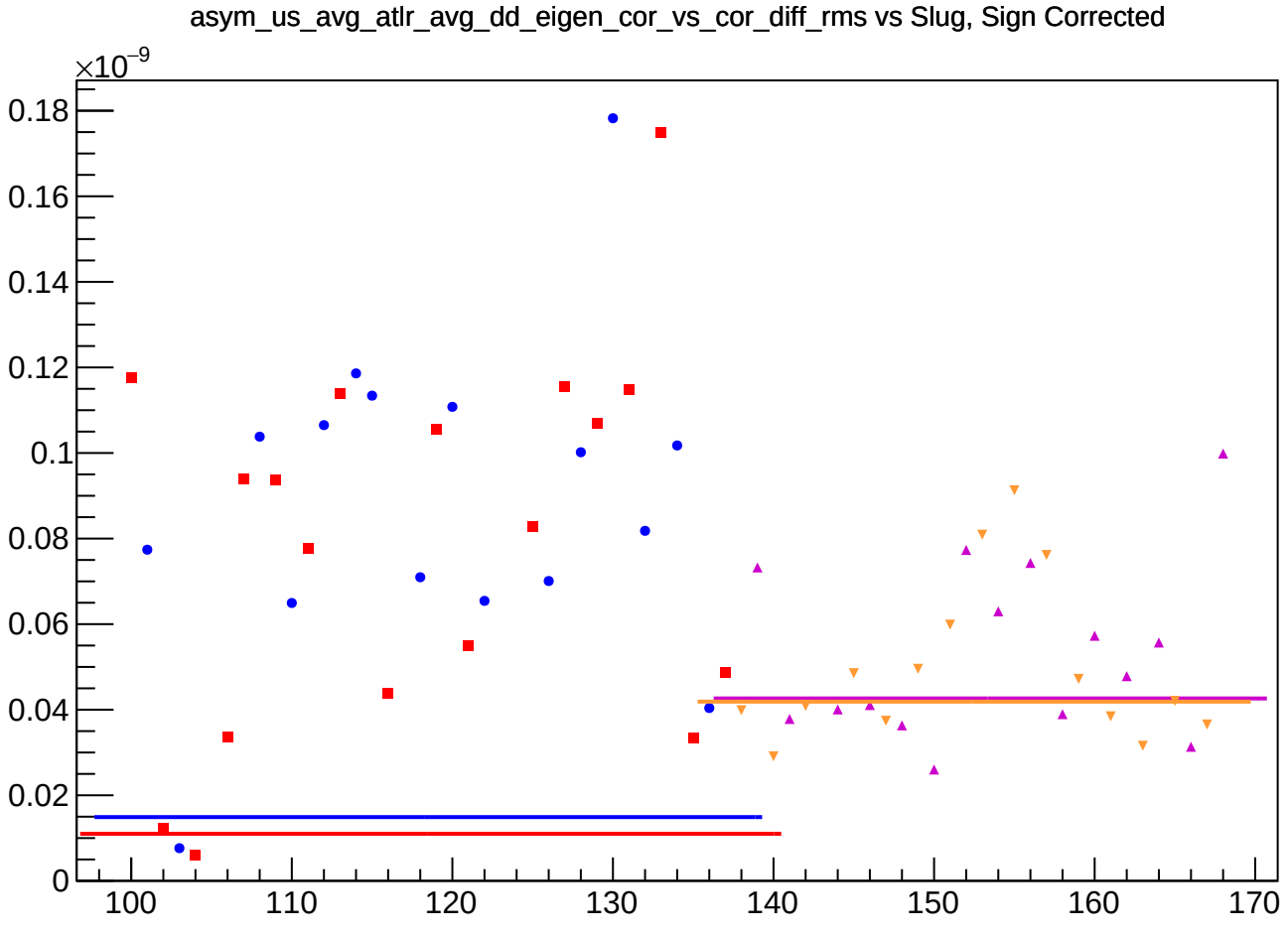
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.099+/-0.029 χ^2/NDF:7906239.0/30

Out: 138.107+/-0.027 χ^2/NDF:10621720.5/32

All: 146.641+/-0.020 χ^2/NDF: 18736010.7/63


asym_us_avg_atlr_avg_dd_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
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:6.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:22.6/14
Left: 0.000+/-0.000 χ²/NDF: 30.7/29
Right: 0.000+/-0.000 χ²/NDF: 36.7/33
In: 0.000+/-0.000 χ²/NDF:36.7/30
Out: 0.000+/-0.000 χ²/NDF:30.6/32
All: 0.000+/-0.000 χ²/NDF: 67.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1365399.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1856507.2/14

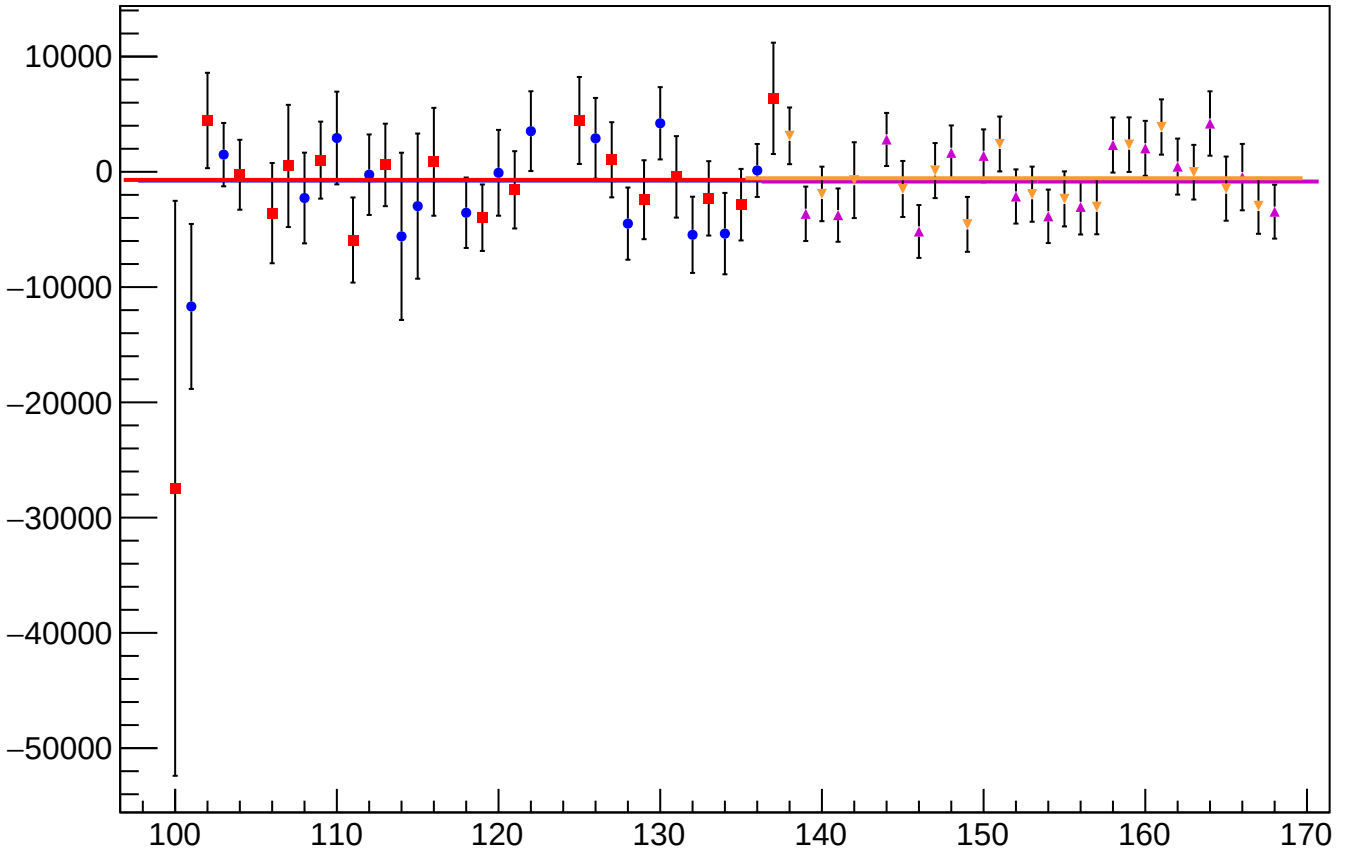
Left: 0.000+/-0.000 χ^2/NDF: 3224103.9/29

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:11578022.6/30

Out: 0.000+/-0.000 χ^2/NDF:12665321.8/32

All: 0.000+/-0.000 χ^2/NDF: 24685373.8/63



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -555.931+/-633.928 χ^2/NDF:15.2/14

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -842.954+/-619.584 χ^2/NDF:22.0/14

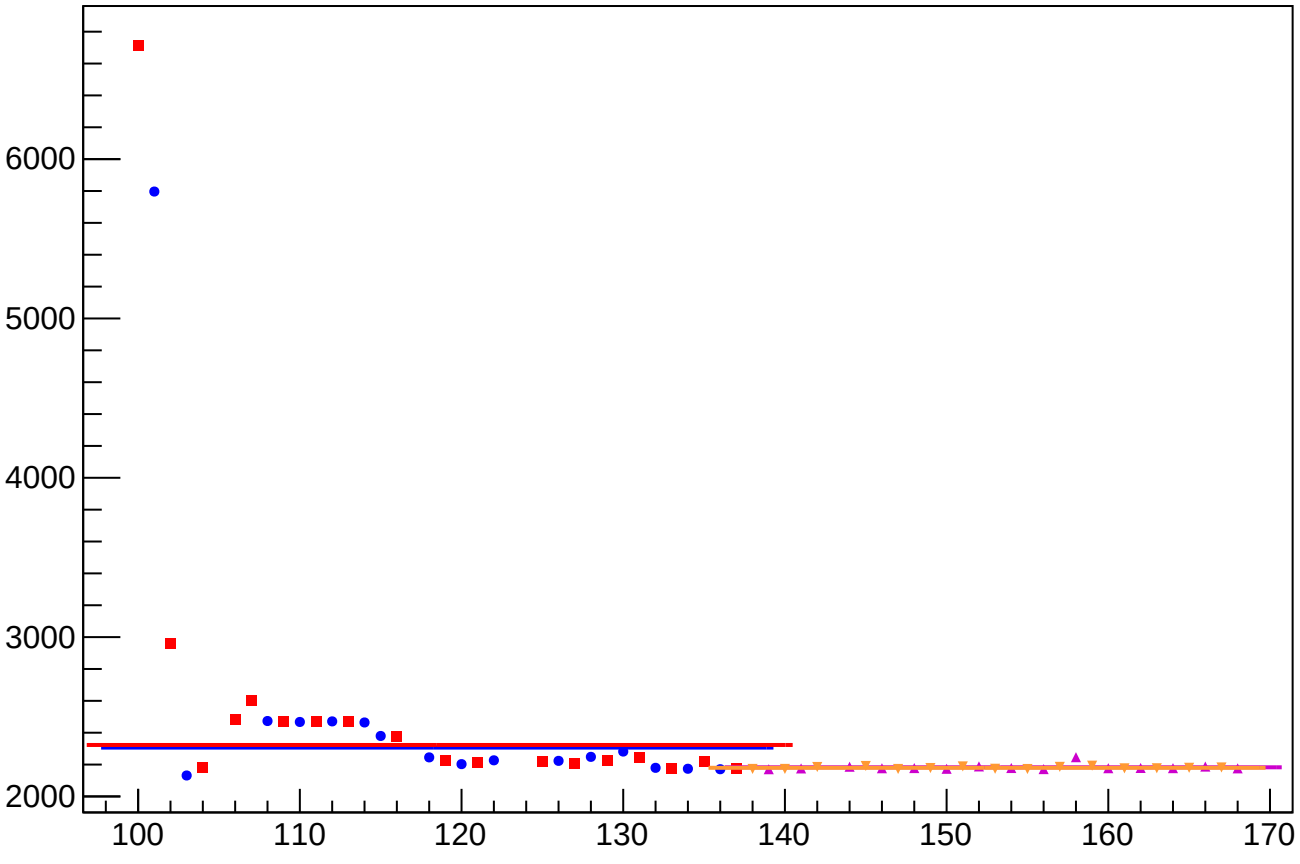
Left: -702.726+/-443.097 χ^2/NDF: 37.3/29

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -813.238+/-505.198 χ^2/NDF:37.9/30

Out: -606.760+/-512.067 χ^2/NDF:27.6/32

All: -711.393+/-359.633 χ^2/NDF: 65.5/63



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

Left: 2181.375+/-0.313 χ^2/NDF: 1911.9/29

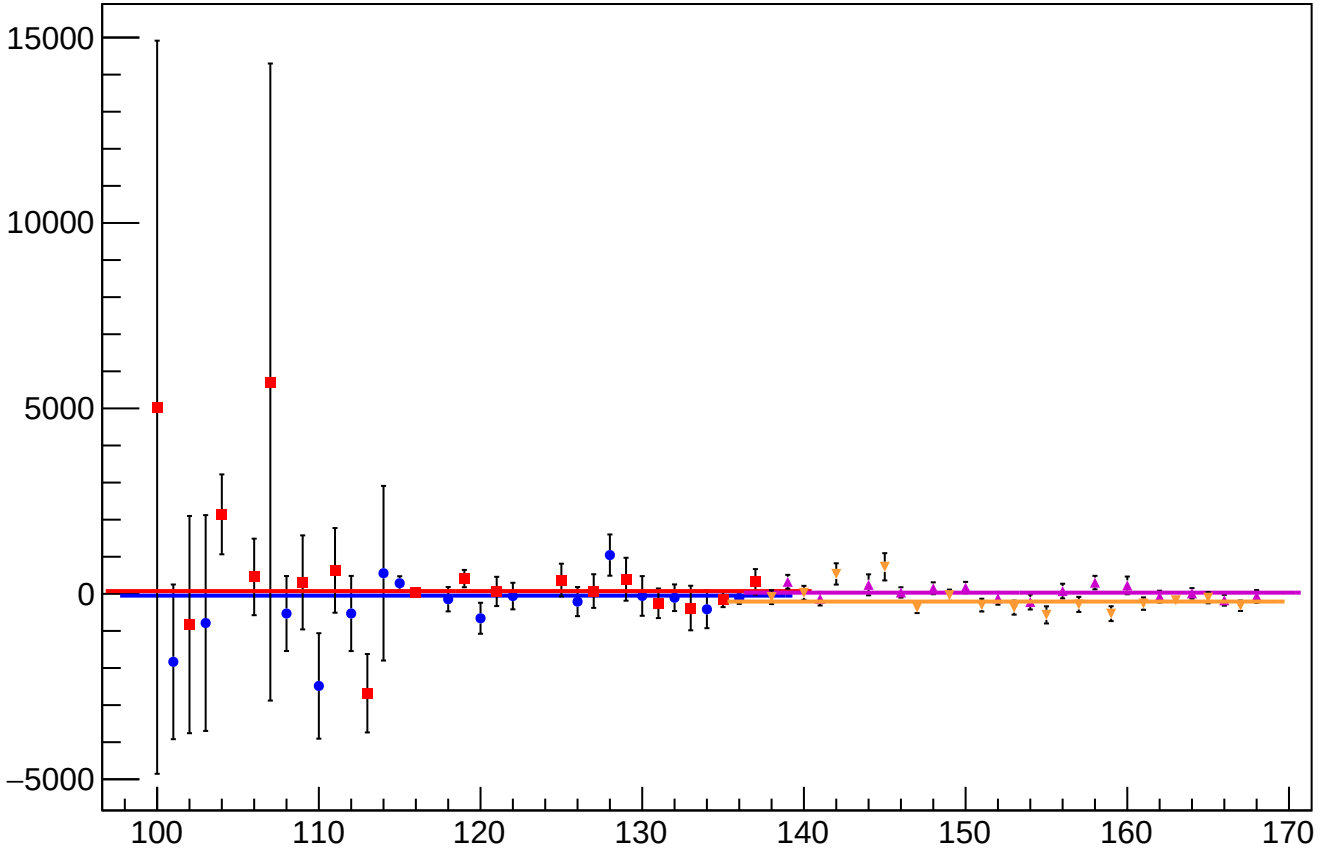
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2224.357+/-0.357 χ^2/NDF:542539.0/30

Out: 2229.569+/-0.362 χ^2/NDF:187502.3/32

All: 2226.928+/-0.254 χ^2/NDF: 730146.3/63

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: -208.012+/-45.272 χ^2/NDF:25.3/14

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 31.957+/-44.489 χ^2/NDF:13.2/14

Left: -85.935+/-31.731 χ^2/NDF: 52.8/29

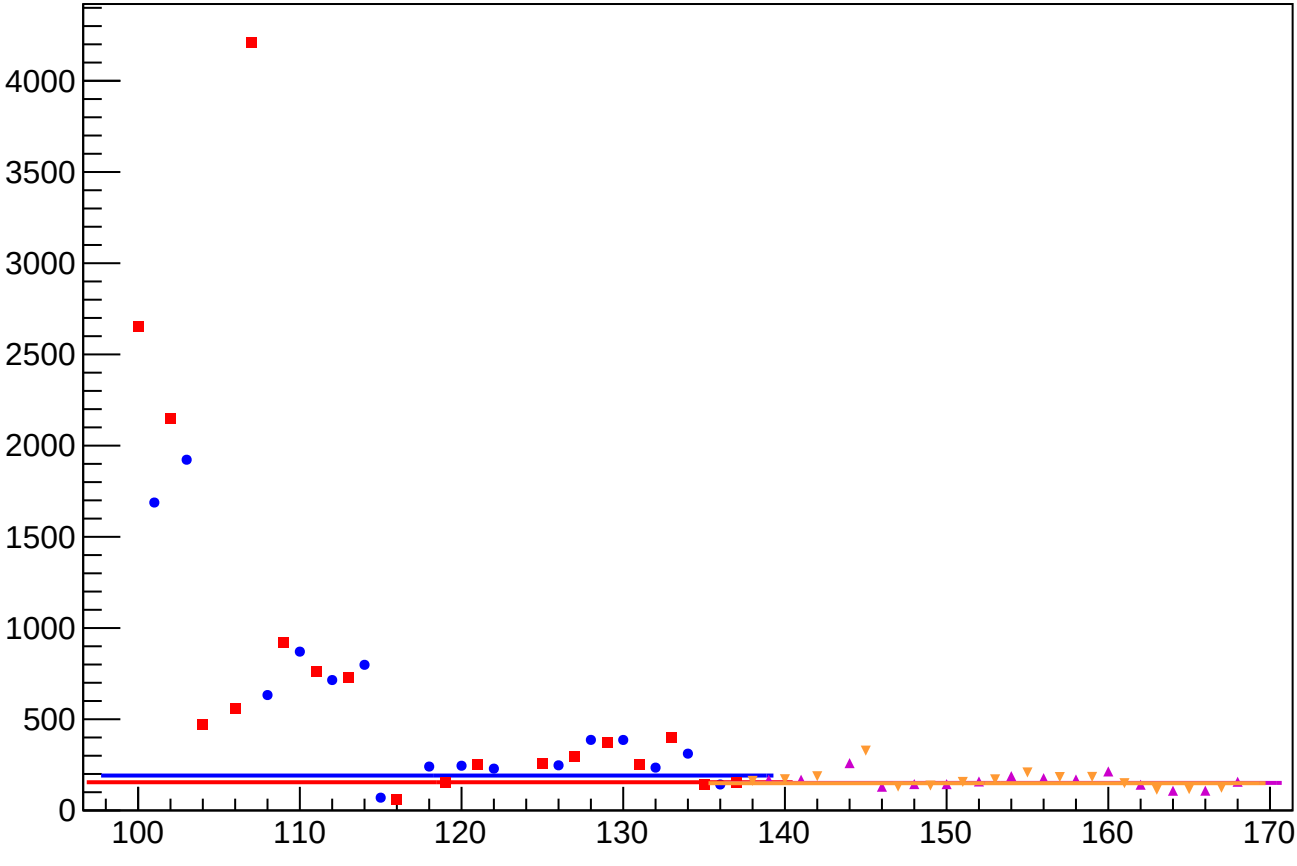
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 16.523+/-39.961 χ^2/NDF:28.2/30

Out: -142.557+/-39.676 χ^2/NDF:51.9/32

All: -63.586+/-28.155 χ^2/NDF: 88.1/63

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: 149.356+/-0.032 χ^2/NDF:1177577.7/14

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 151.036+/-0.031 χ^2/NDF:1013116.9/14

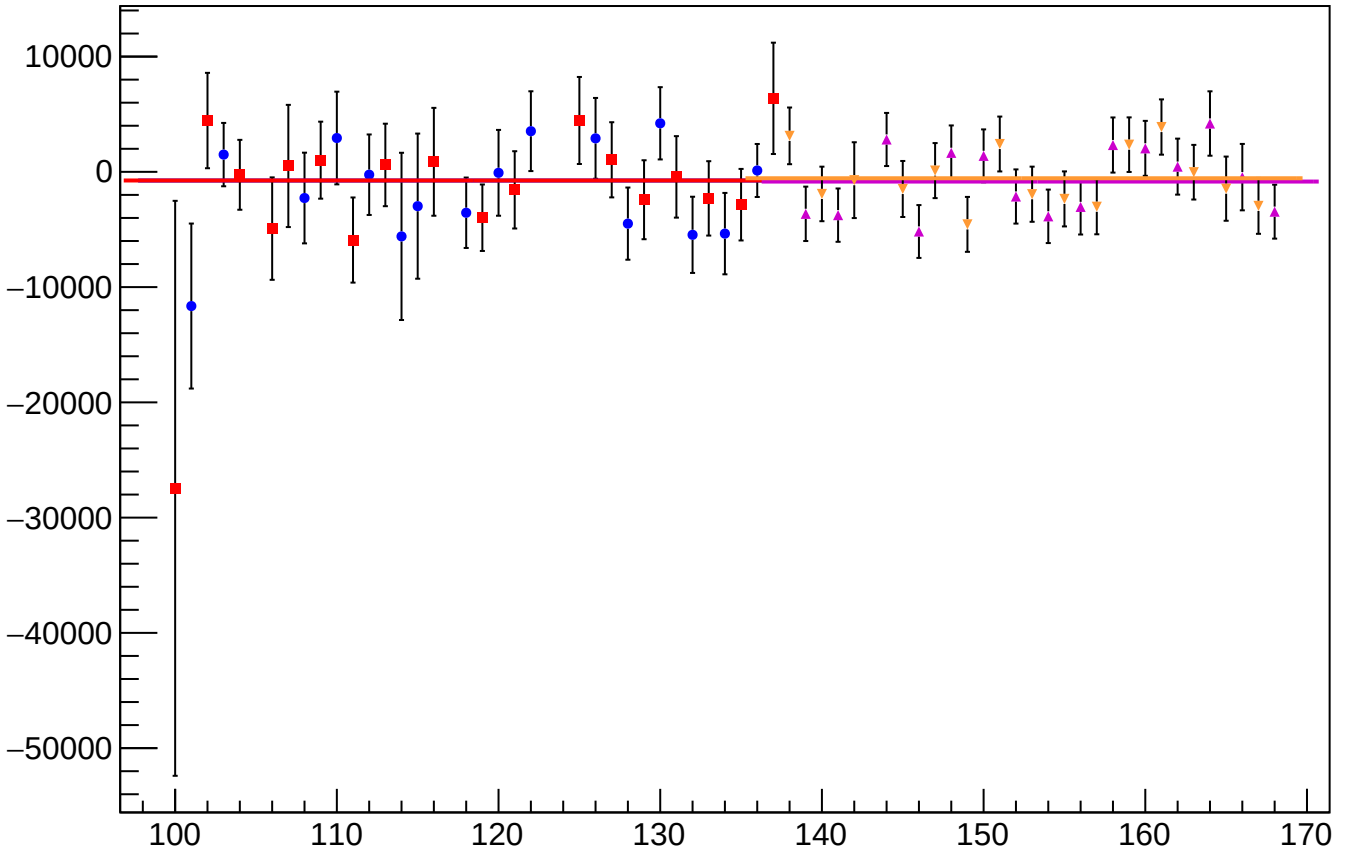
Left: 150.211+/-0.022 χ^2/NDF: 2192096.2/29

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 158.831+/-0.028 χ^2/NDF:6395626.8/30

Out: 150.590+/-0.028 χ^2/NDF:7338271.5/32

All: 154.681+/-0.020 χ^2/NDF: 13776729.8/63



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -555.910+/-633.928 χ^2/NDF:15.2/14

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -842.899+/-619.584 χ^2/NDF:22.0/14

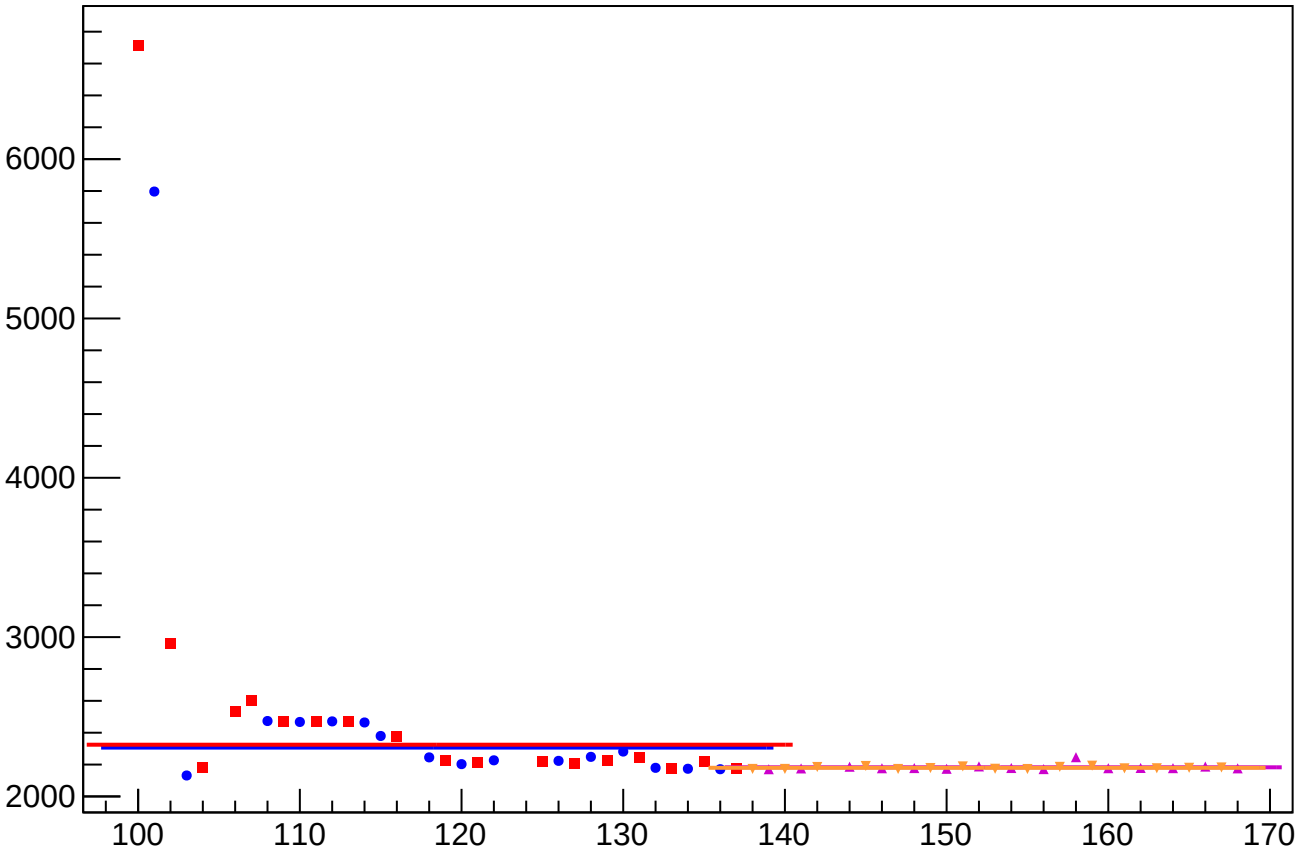
Left: -702.688+/-443.097 χ^2/NDF: 37.3/29

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -812.877+/-505.198 χ^2/NDF:37.9/30

Out: -623.048+/-512.214 χ^2/NDF:28.1/32

All: -719.272+/-359.684 χ^2/NDF: 66.0/63



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

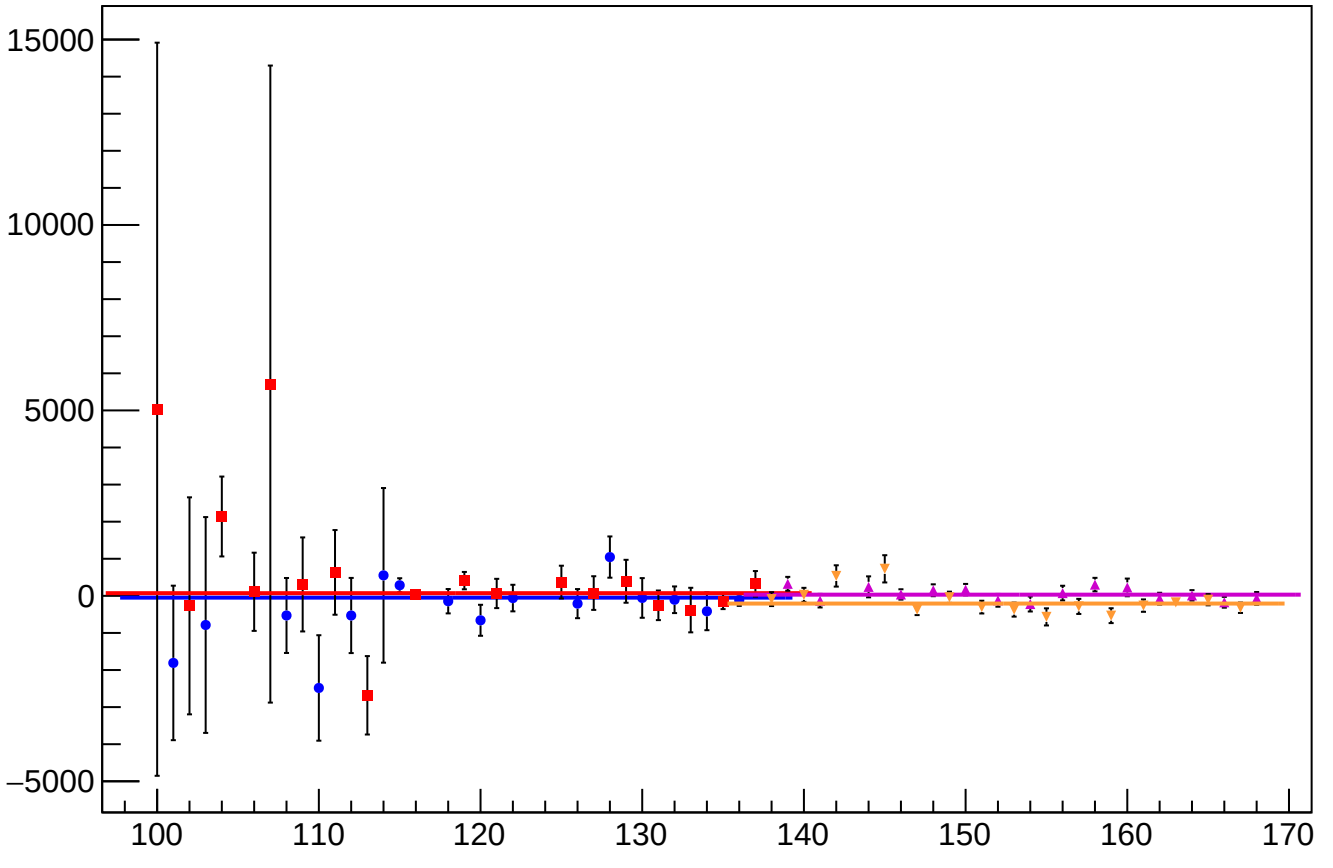
Left: 2181.375+/-0.313 χ^2/NDF: 1911.9/29

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2224.357+/-0.357 χ^2/NDF:542539.3/30

Out: 2230.097+/-0.362 χ^2/NDF:190088.7/32

All: 2227.188+/-0.254 χ^2/NDF: 732755.3/63



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -208.036+/-45.272 χ^2/NDF:25.2/14

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 31.892+/-44.491 χ^2/NDF:13.2/14

Left: -85.985+/-31.733 χ^2/NDF: 52.7/29

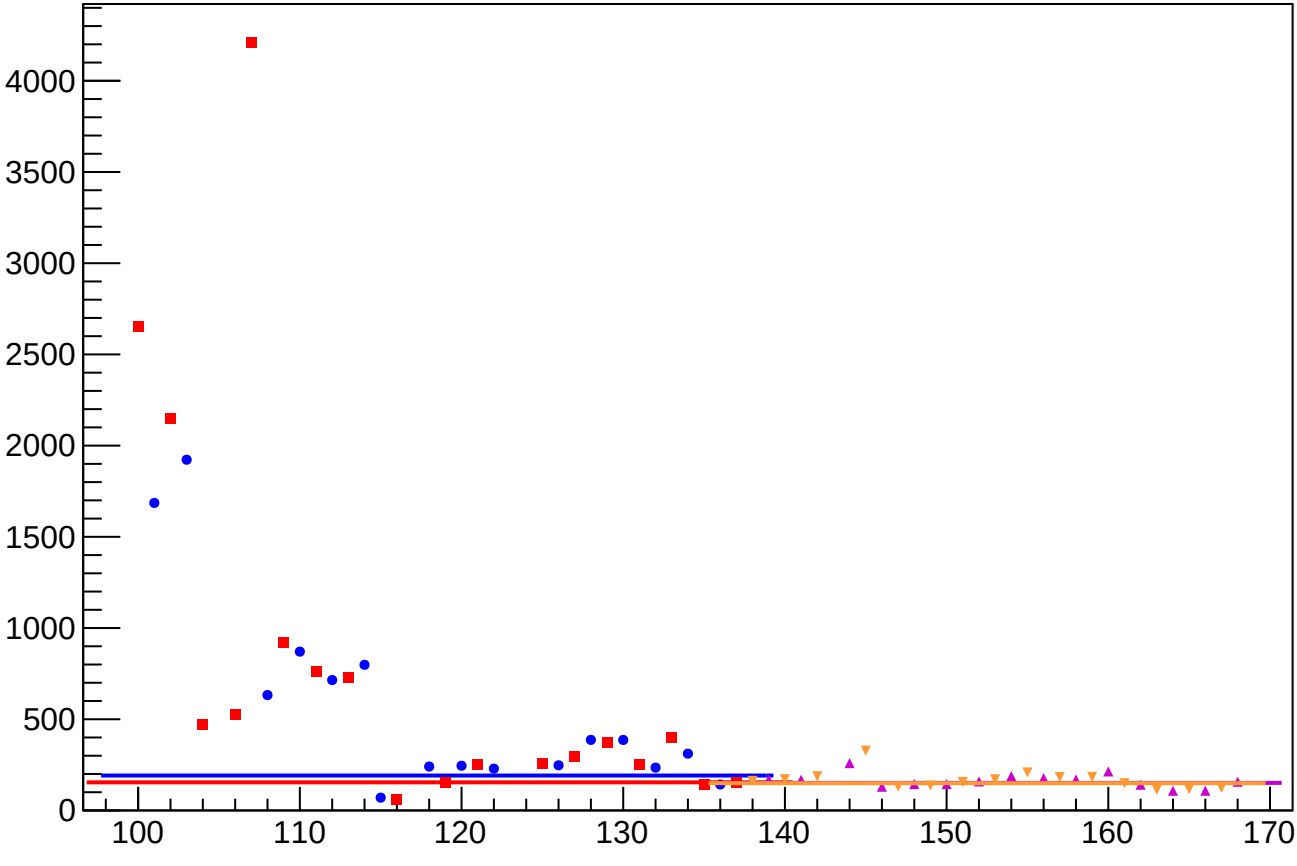
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 16.465+/-39.963 χ^2/NDF:28.2/30

Out: -142.964+/-39.669 χ^2/NDF:51.5/32

All: -63.838+/-28.154 χ^2/NDF: 87.7/63

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: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 151.045+/-0.031 χ^2/NDF:1013464.9/14

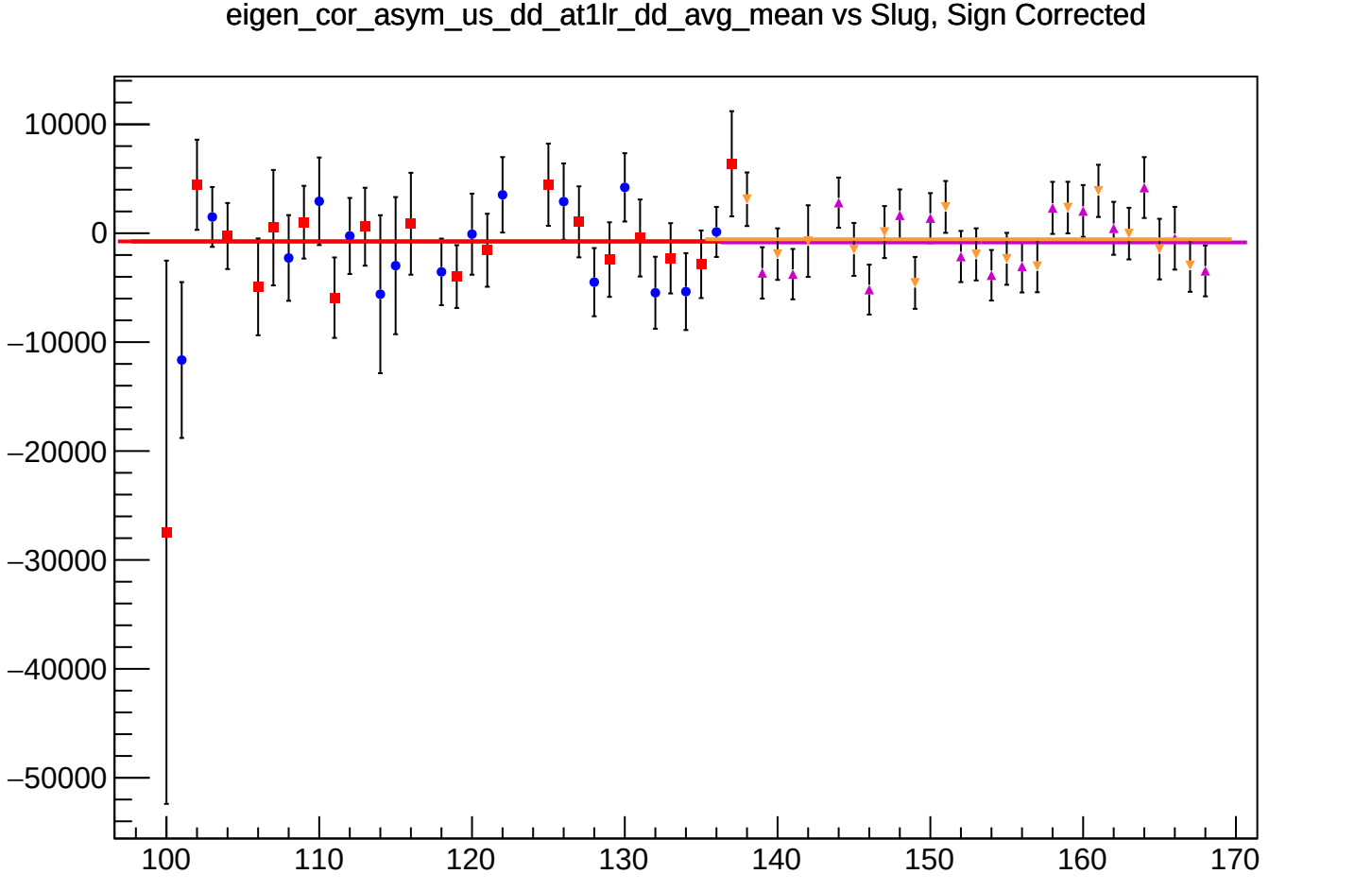
Left: 150.215+/-0.022 χ^2/NDF: 2192723.9/29

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.842+/-0.028 χ^2/NDF:6395039.8/30

Out: 150.462+/-0.028 χ^2/NDF:7291653.5/32

All: 154.621+/-0.020 χ^2/NDF: 13730988.6/63



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -555.910+/-633.928 χ^2/NDF:15.2/14

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -842.899+/-619.584 χ^2/NDF:22.0/14

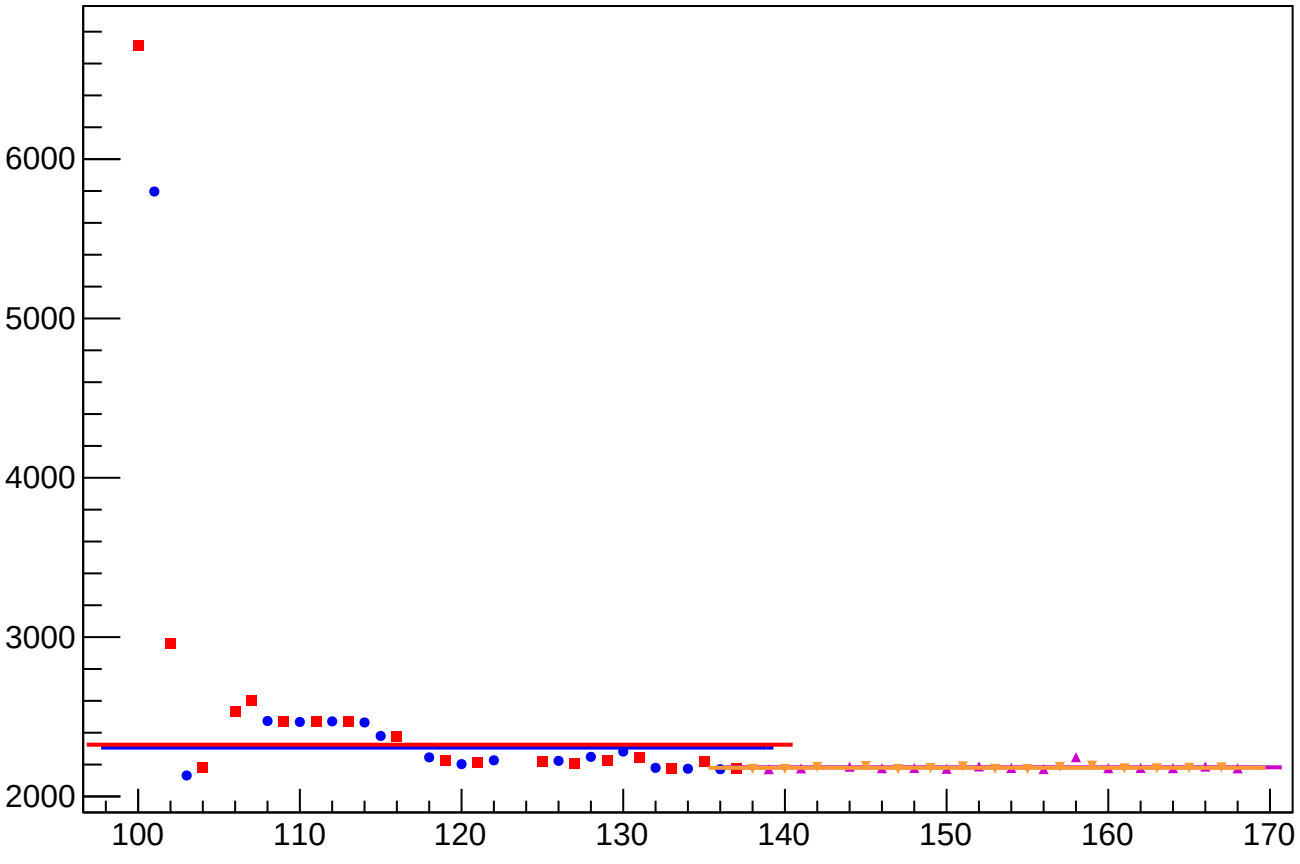
Left: -702.688+/-443.097 χ^2/NDF: 37.3/29

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -812.877+/-505.198 χ^2/NDF:37.9/30

Out: -623.048+/-512.214 χ^2/NDF:28.1/32

All: -719.272+/-359.684 χ^2/NDF: 66.0/63



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.803+/-0.448 χ^2/NDF:246.2/14

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.877+/-0.438 χ^2/NDF:1641.7/14

Left: 2181.375+/-0.313 χ^2/NDF: 1911.9/29

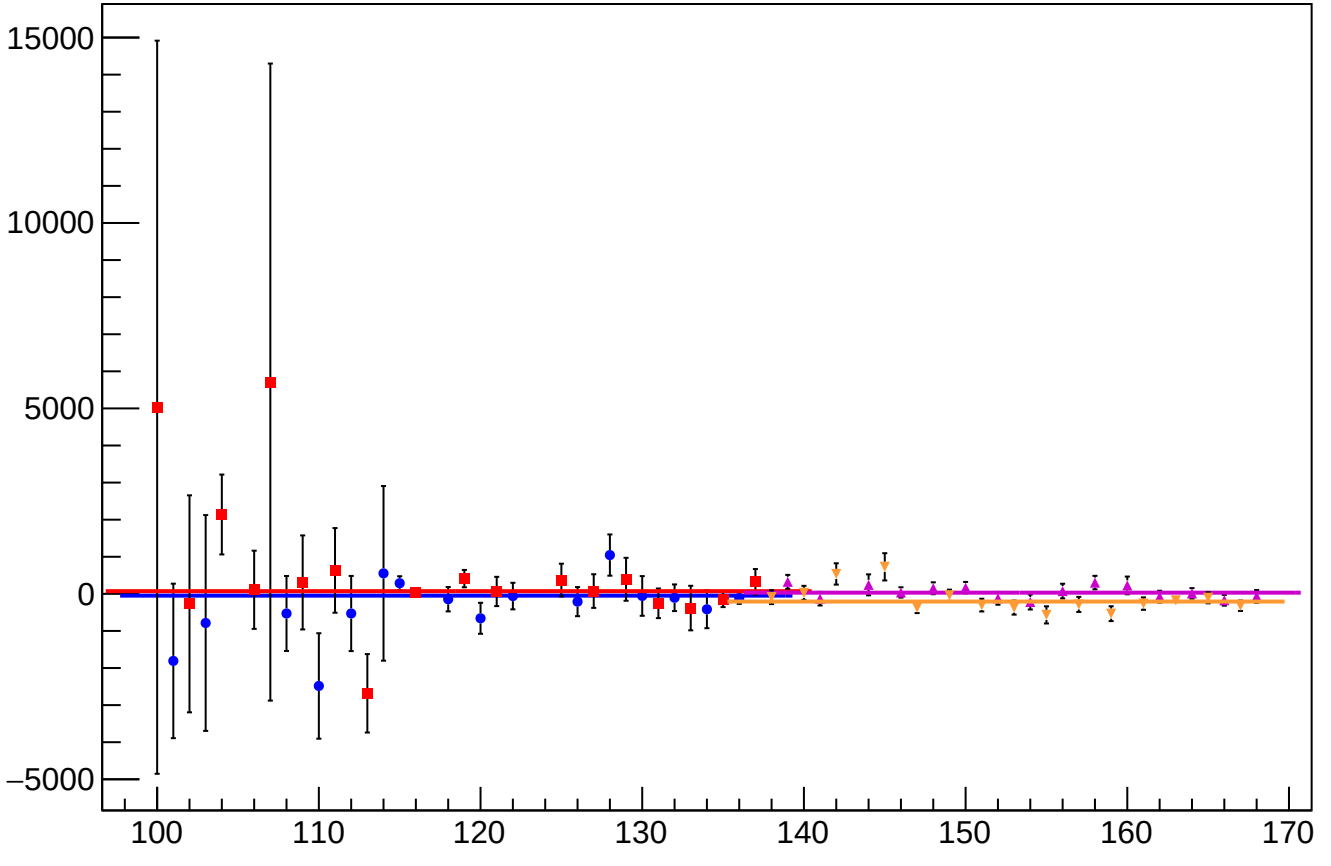
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2224.357+/-0.357 χ^2/NDF:542539.3/30

Out: 2230.097+/-0.362 χ^2/NDF:190088.7/32

All: 2227.188+/-0.254 χ^2/NDF: 732755.3/63

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: -208.036+/-45.272 χ^2/NDF:25.2/14

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 31.892+/-44.491 χ^2/NDF:13.2/14

Left: -85.985+/-31.733 χ^2/NDF: 52.7/29

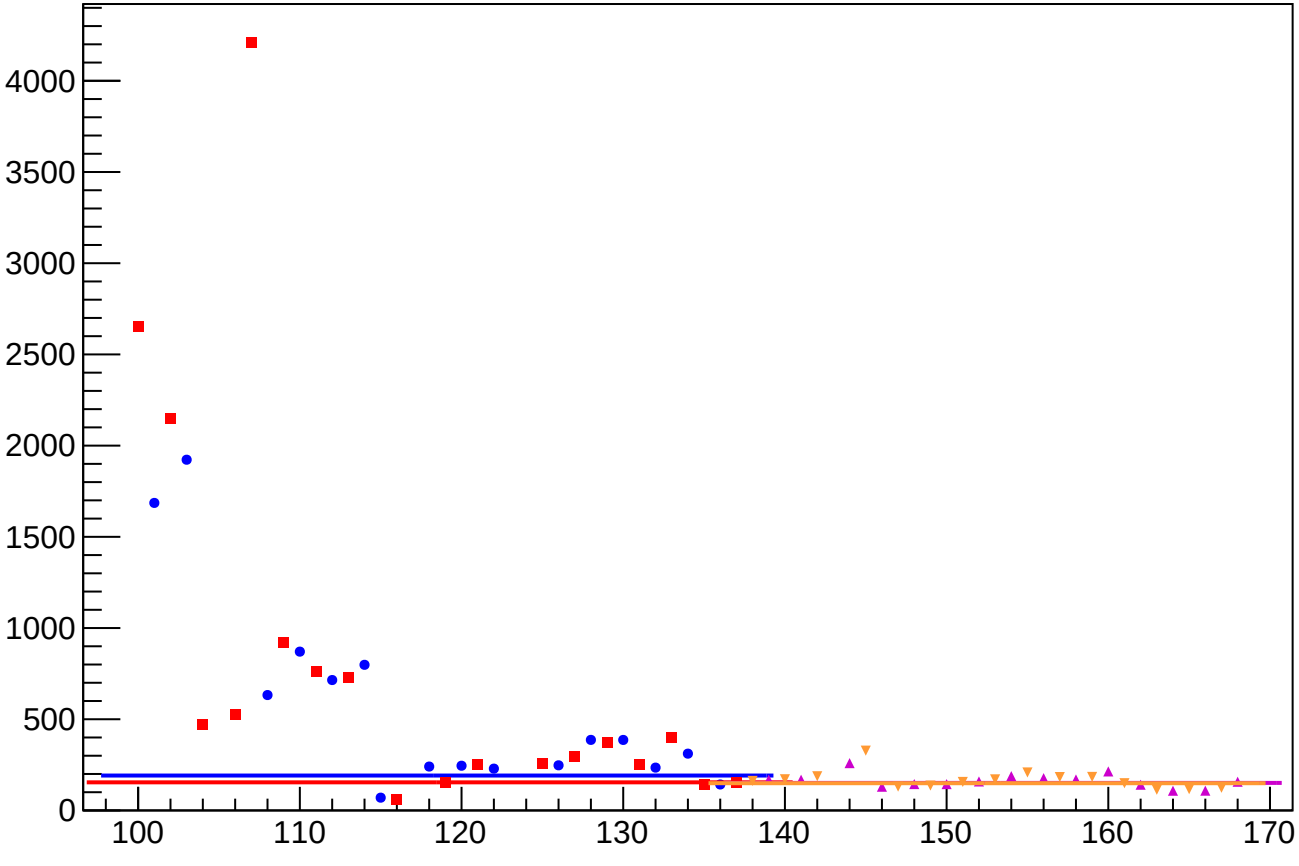
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 16.465+/-39.963 χ^2/NDF:28.2/30

Out: -142.964+/-39.669 χ^2/NDF:51.5/32

All: -63.838+/-28.154 χ^2/NDF: 87.7/63

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: 149.356+/-0.032 χ^2/NDF:1177842.9/14

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 151.045+/-0.031 χ^2/NDF:1013464.9/14

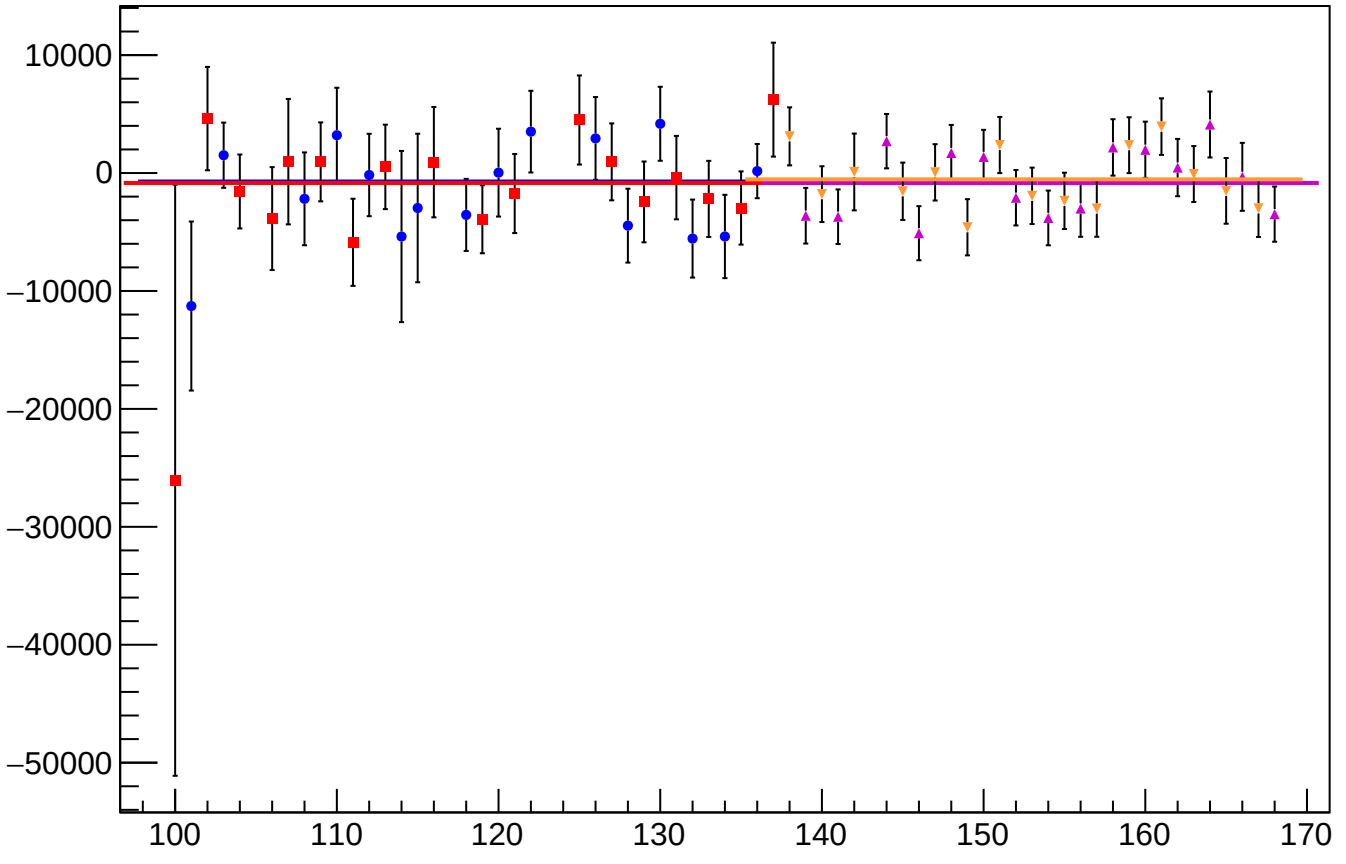
Left: 150.215+/-0.022 χ^2/NDF: 2192723.9/29

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 158.842+/-0.028 χ^2/NDF:6395039.8/30

Out: 150.462+/-0.028 χ^2/NDF:7291653.5/32

All: 154.621+/-0.020 χ^2/NDF: 13730988.6/63



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -534.891+/-633.887 χ^2/NDF:15.3/14

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -842.026+/-619.808 χ^2/NDF:21.3/14

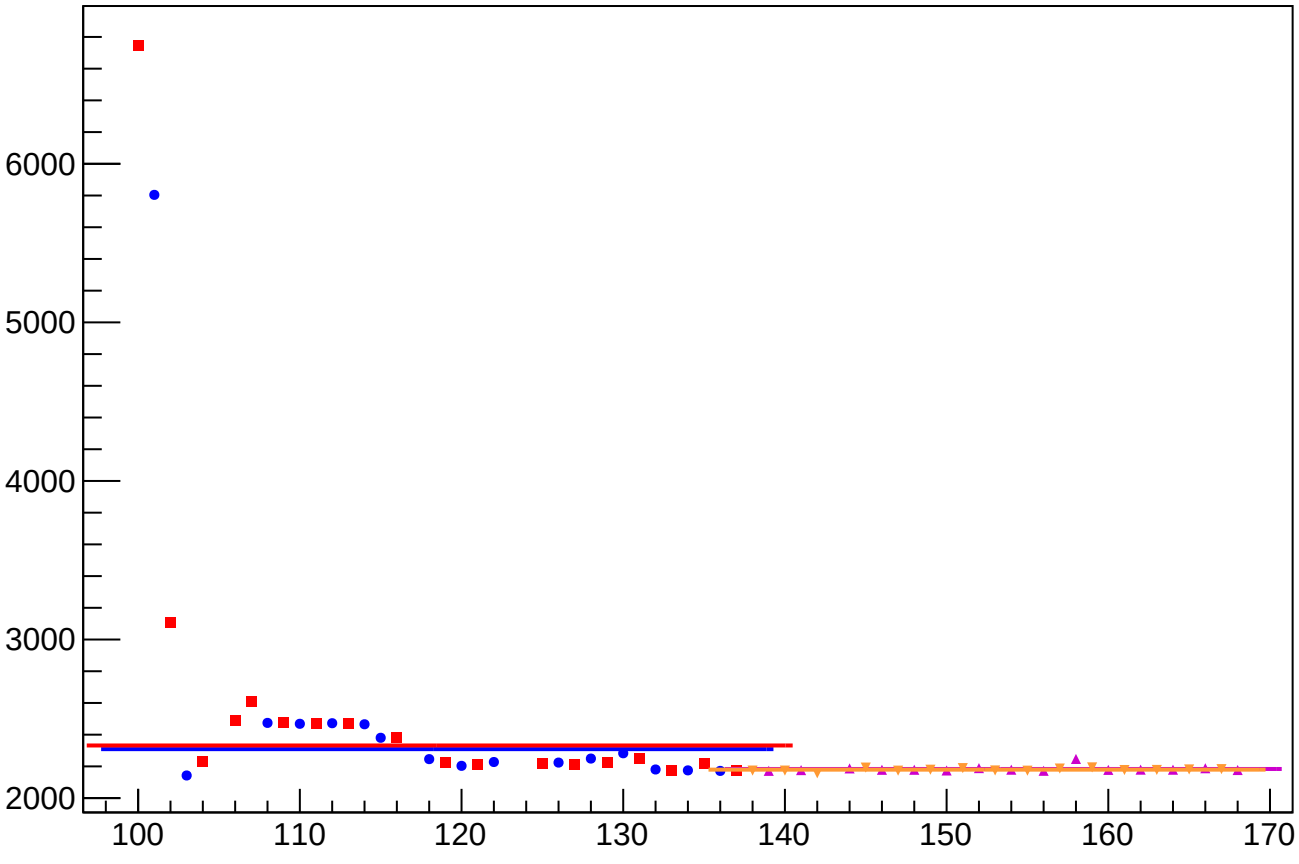
Left: -691.907+/-443.164 χ^2/NDF: 36.7/29

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -800.205+/-505.491 χ^2/NDF:37.1/30

Out: -640.871+/-513.051 χ^2/NDF:27.6/32

All: -721.721+/-360.079 χ^2/NDF: 64.7/63



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.665+/-0.438 χ^2/NDF:1633.7/14

Left: 2181.601+/-0.313 χ^2/NDF: 2028.0/29

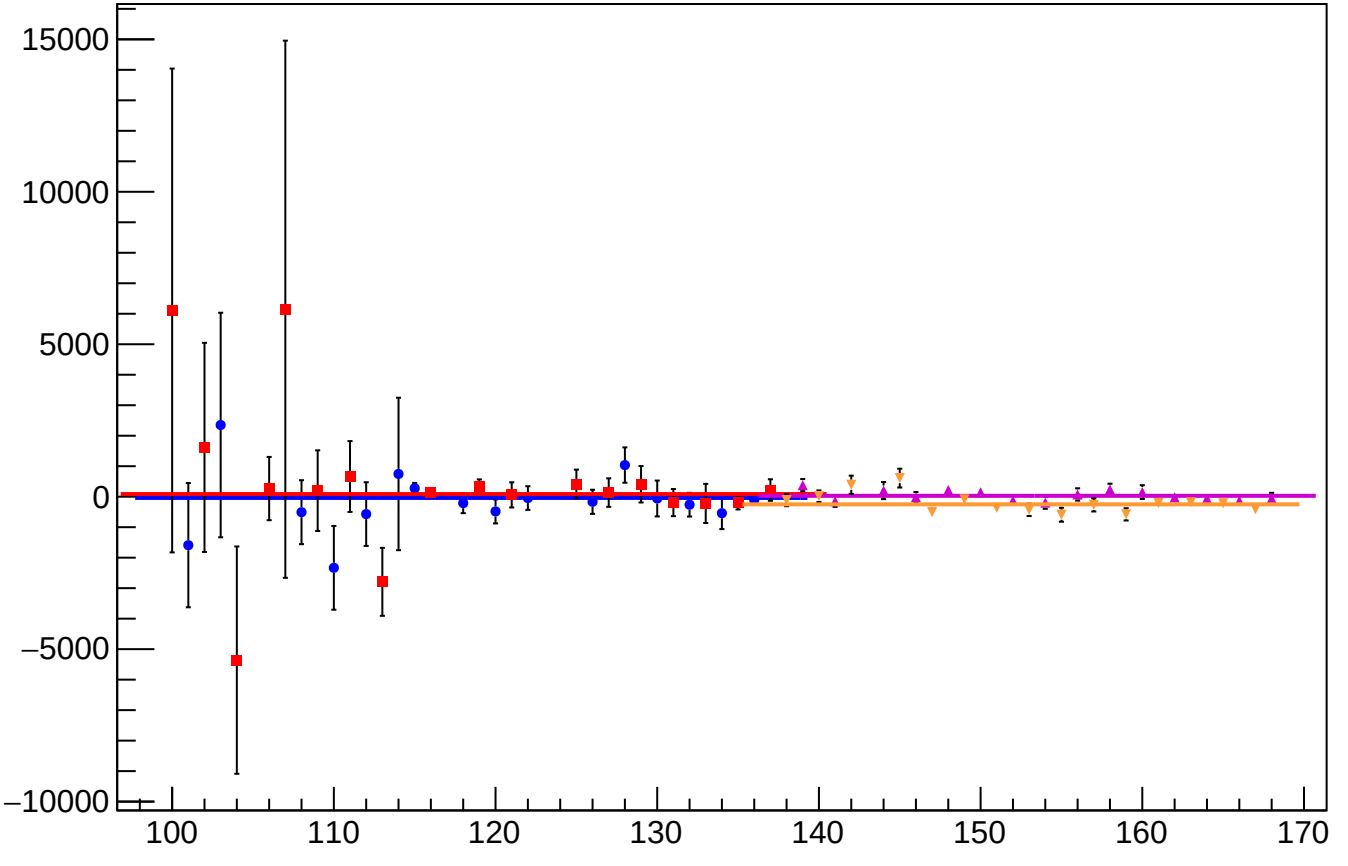
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2225.547+/-0.357 χ^2/NDF:542647.9/30

Out: 2232.010+/-0.363 χ^2/NDF:207548.4/32

All: 2228.730+/-0.255 χ^2/NDF: 750357.3/63

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 28.545+/-45.277 χ^2/NDF:11.9/14

Left: -110.842+/-32.031 χ^2/NDF: 57.3/29

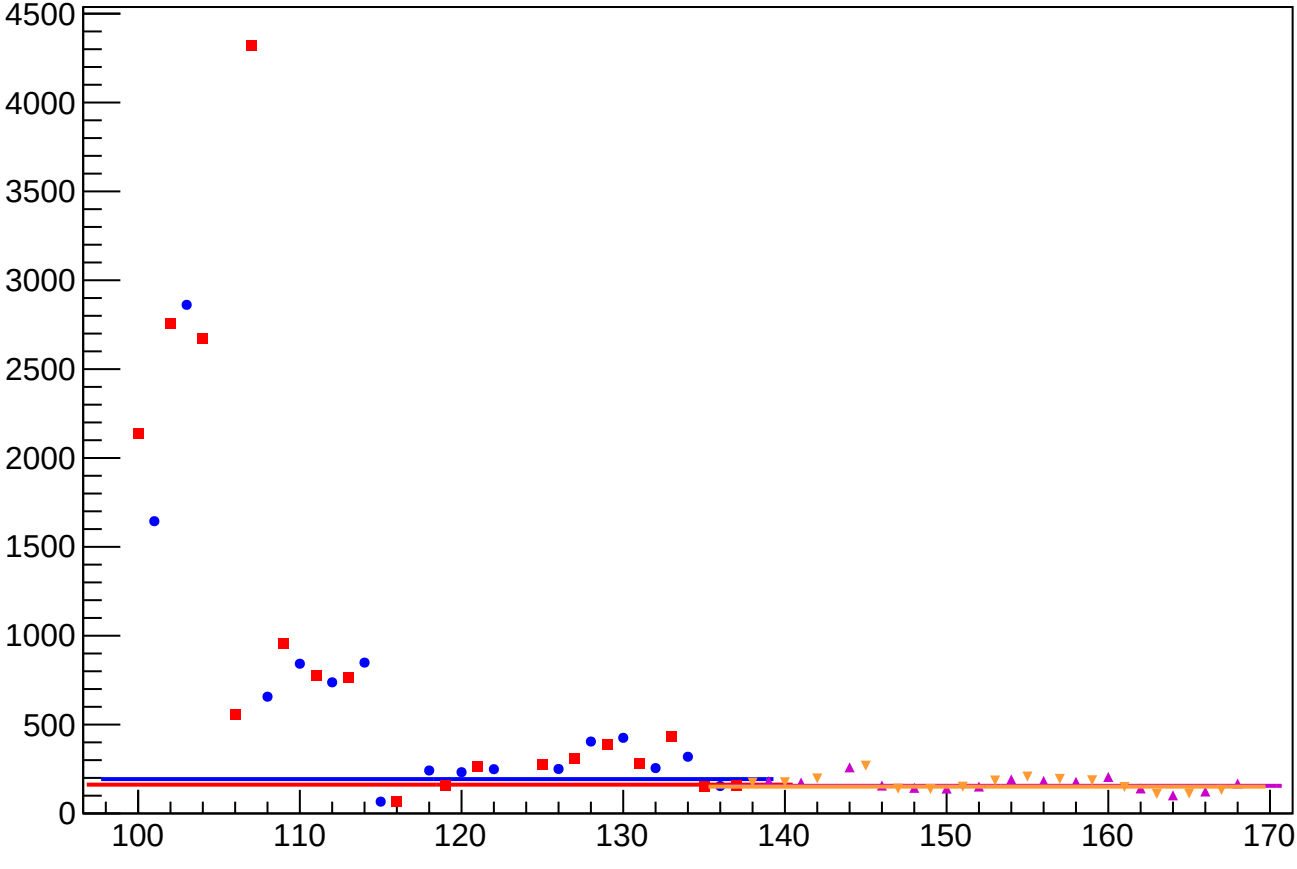
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 15.253+/-40.659 χ^2/NDF:26.4/30

Out: -177.400+/-40.104 χ^2/NDF:53.4/32

All: -82.397+/-28.552 χ^2/NDF: 91.2/63

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: 150.908+/-0.032 χ^2/NDF:1153159.7/14

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 155.480+/-0.032 χ^2/NDF:1025318.5/14

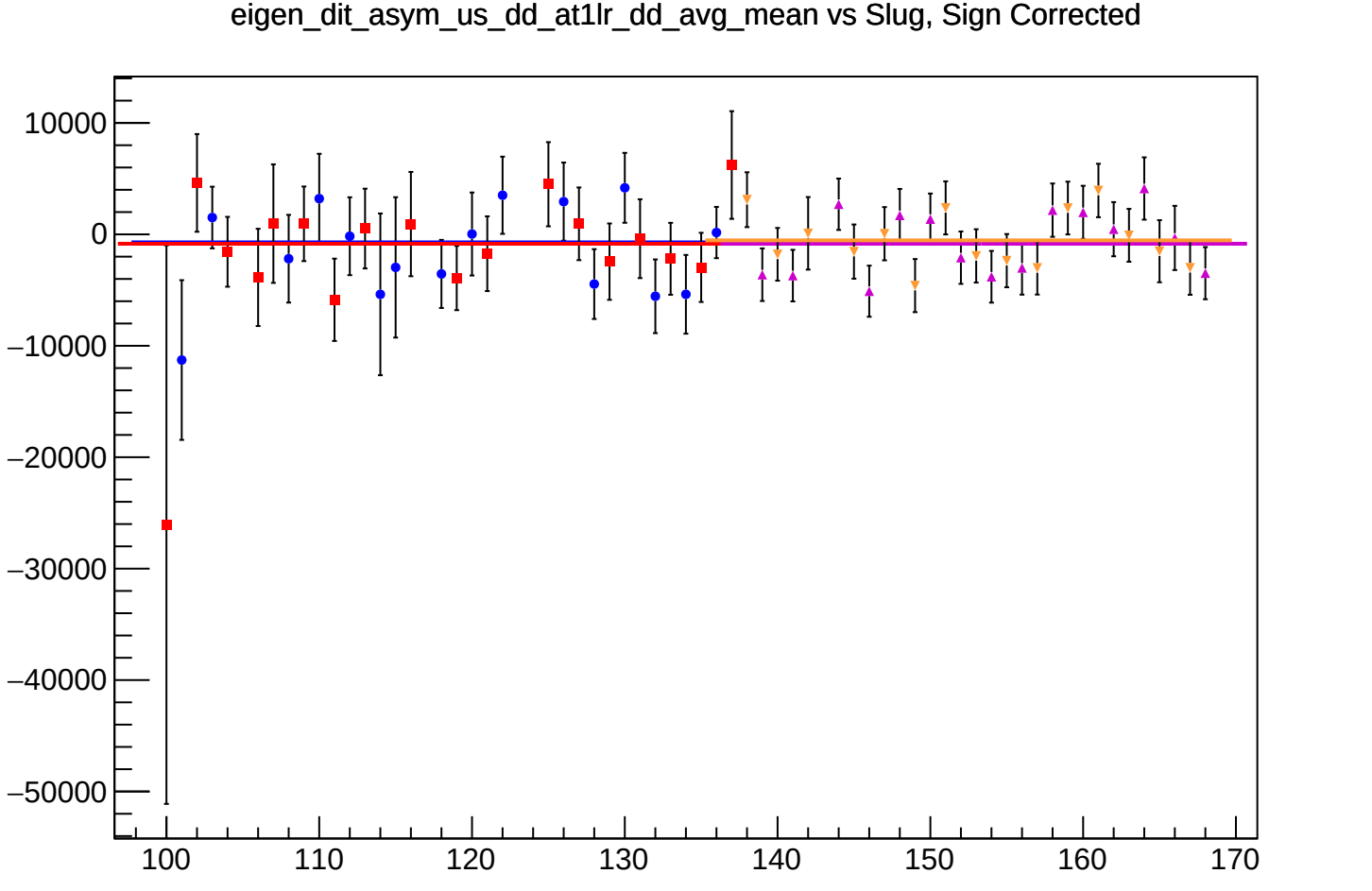
Left: 153.196+/-0.023 χ^2/NDF: 2188667.3/29

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 162.793+/-0.029 χ^2/NDF:6912667.8/30

Out: 153.340+/-0.028 χ^2/NDF:8250183.0/32

All: 158.002+/-0.020 χ^2/NDF: 15217652.0/63



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -534.893+/-633.887 χ^2/NDF:15.3/14

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -842.025+/-619.808 χ^2/NDF:21.3/14

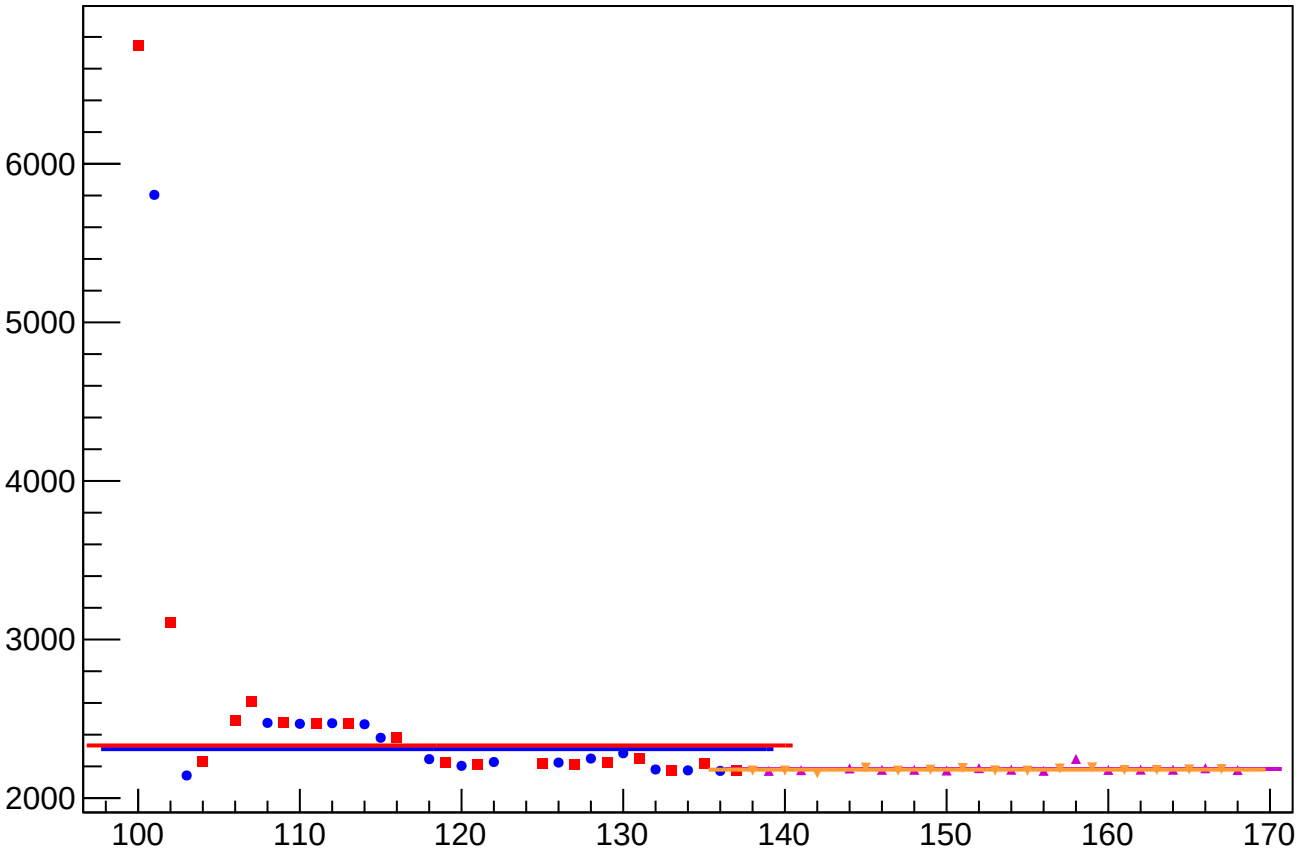
Left: -691.908+/-443.164 χ^2/NDF: 36.7/29

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -800.205+/-505.491 χ^2/NDF:37.1/30

Out: -640.873+/-513.051 χ^2/NDF:27.6/32

All: -721.722+/-360.079 χ^2/NDF: 64.7/63



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.442+/-0.448 χ^2/NDF:349.0/14

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.665+/-0.438 χ^2/NDF:1633.7/14

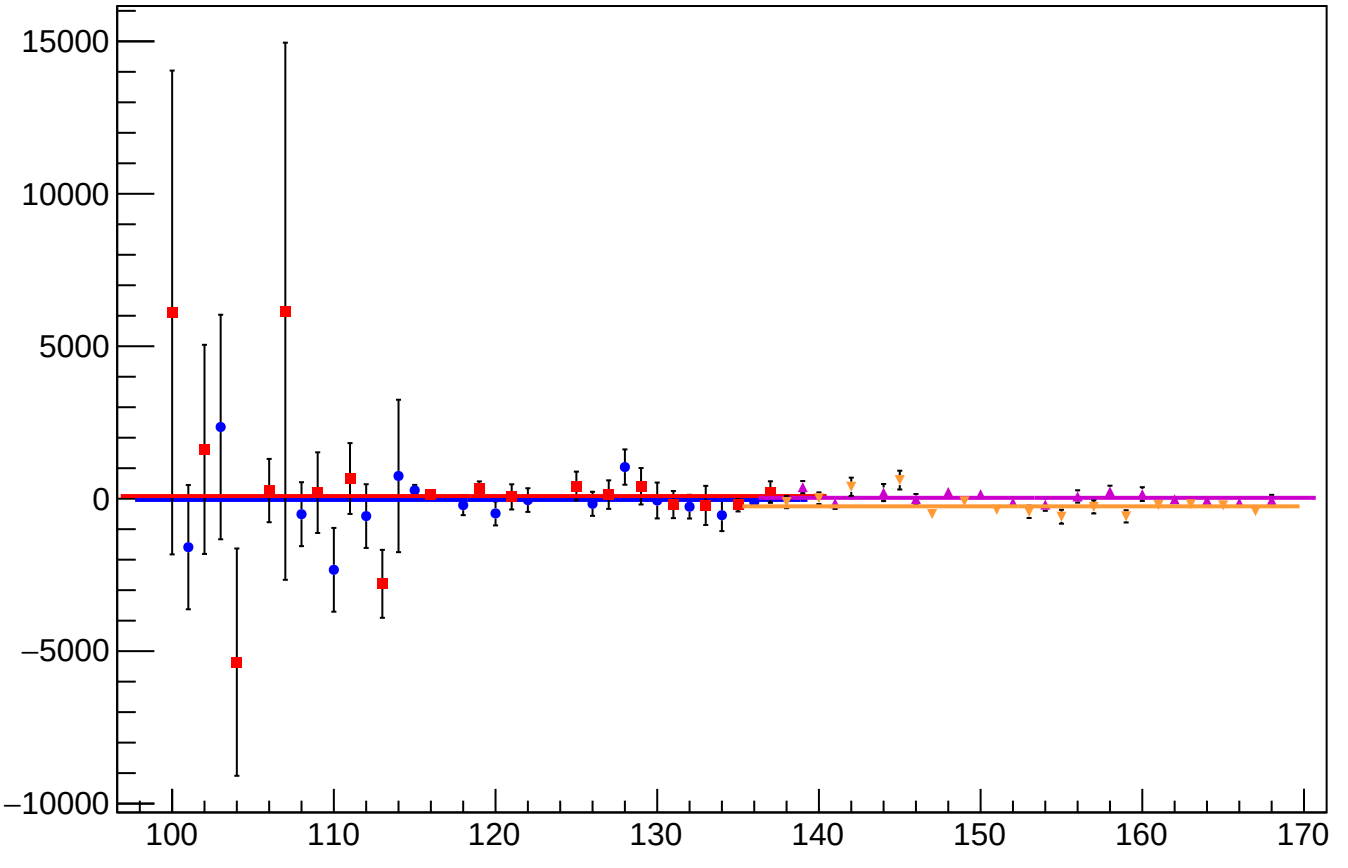
Left: 2181.601+/-0.313 χ^2/NDF: 2028.0/29

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2225.547+/-0.357 χ^2/NDF:542647.9/30

Out: 2232.009+/-0.363 χ^2/NDF:207548.3/32

All: 2228.730+/-0.255 χ^2/NDF: 750357.2/63



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -250.511+/-45.322 χ^2/NDF:26.4/14

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 28.544+/-45.277 χ^2/NDF:11.9/14

Left: -110.843+/-32.032 χ^2/NDF: 57.3/29

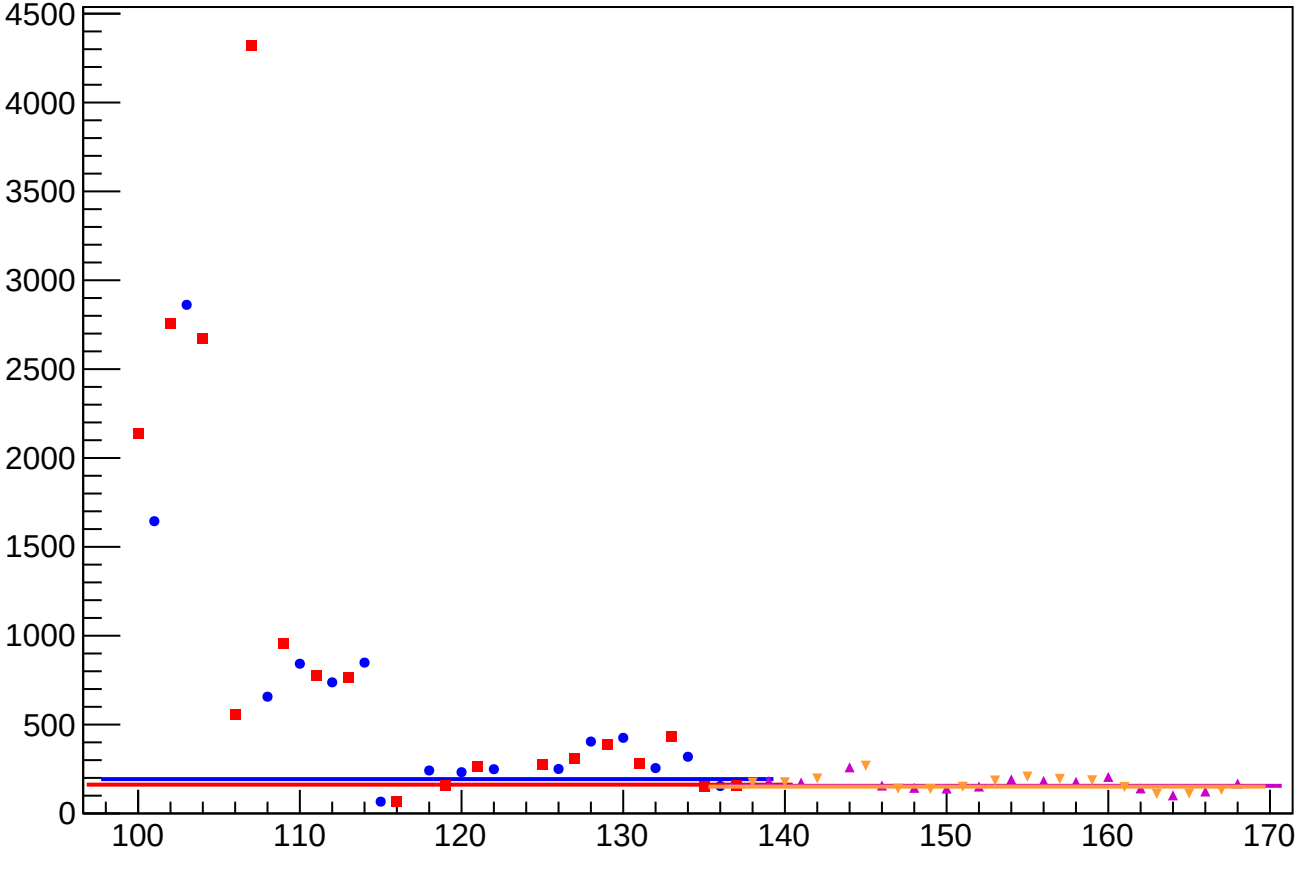
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 15.252+/-40.659 χ^2/NDF:26.4/30

Out: -177.399+/-40.104 χ^2/NDF:53.4/32

All: -82.397+/-28.552 χ^2/NDF: 91.2/63

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: 150.908+/-0.032 χ^2/NDF:1153197.7/14

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 155.481+/-0.032 χ^2/NDF:1025365.8/14

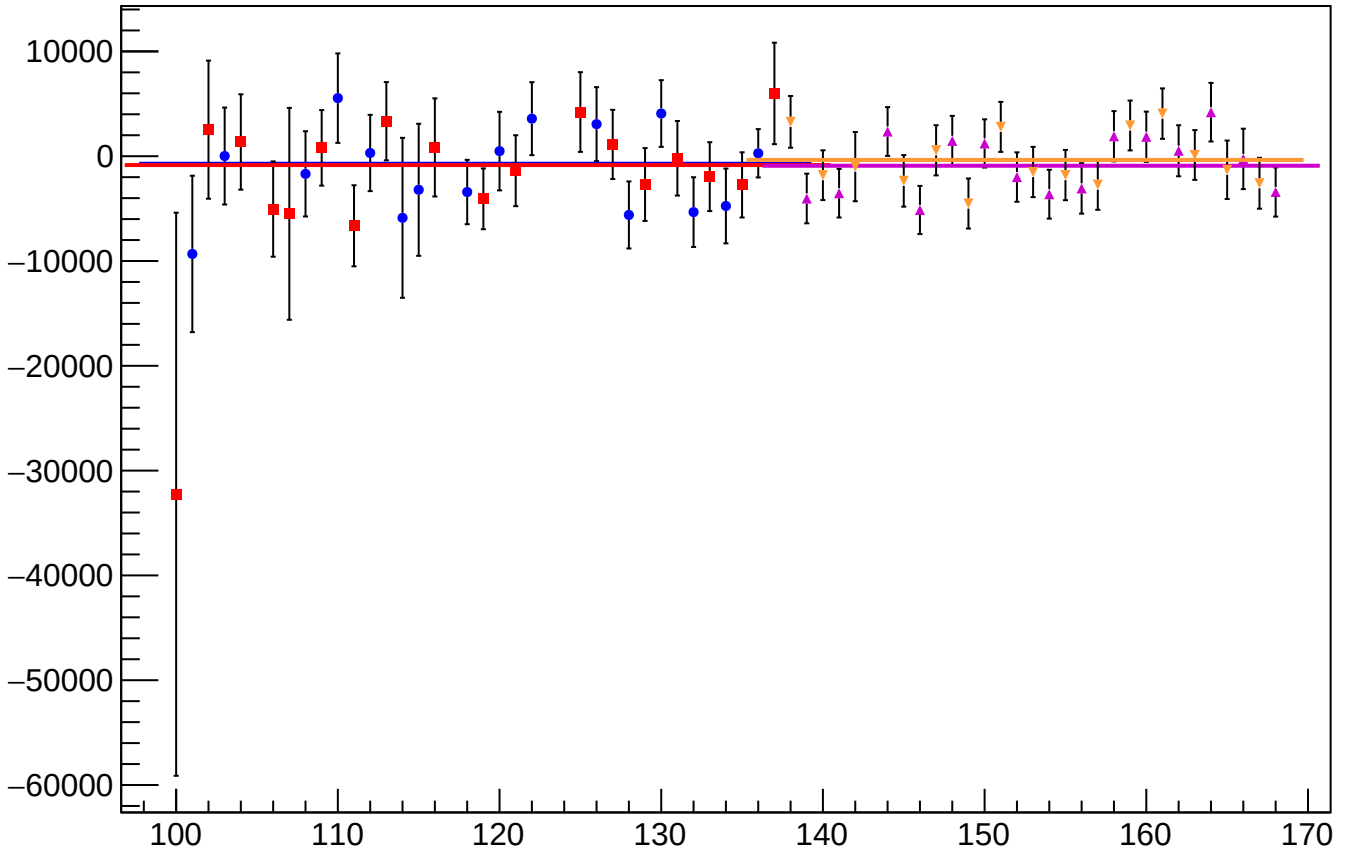
Left: 153.196+/-0.023 χ^2/NDF: 2188753.8/29

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 162.793+/-0.029 χ^2/NDF:6912722.8/30

Out: 153.339+/-0.028 χ^2/NDF:8250270.7/32

All: 158.001+/-0.020 χ^2/NDF: 15217799.3/63



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -353.588+/-636.254 χ^2/NDF:16.0/14

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -909.952+/-621.773 χ^2/NDF:20.2/14

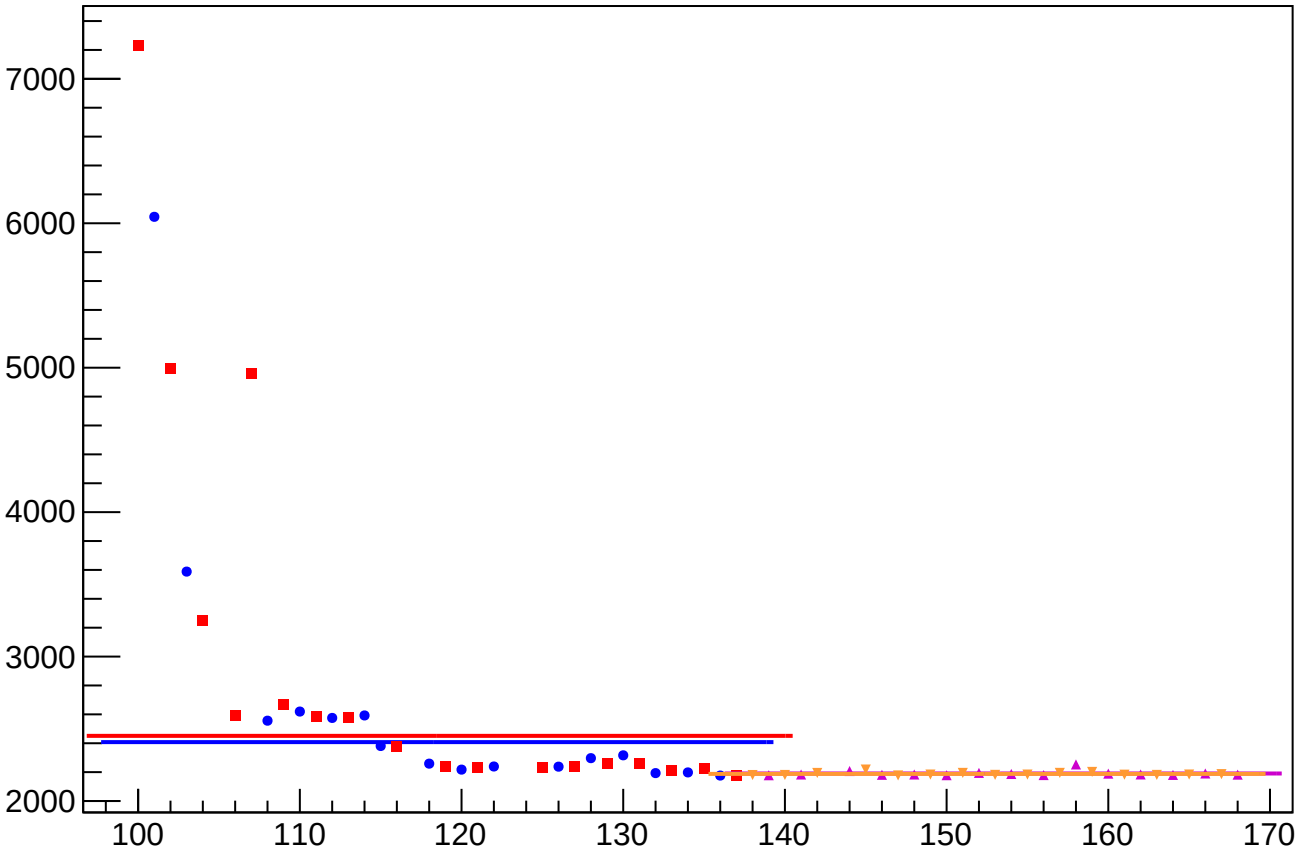
Left: -638.173+/-444.692 χ^2/NDF: 36.6/29

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -849.920+/-514.490 χ^2/NDF:36.0/30

Out: -510.500+/-524.888 χ^2/NDF:29.1/32

All: -683.605+/-367.420 χ^2/NDF: 65.3/63



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.790+/-0.450 χ^2/NDF:552.7/14

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.582+/-0.440 χ^2/NDF:1756.3/14

Left: 2189.218+/-0.314 χ^2/NDF: 2328.6/29

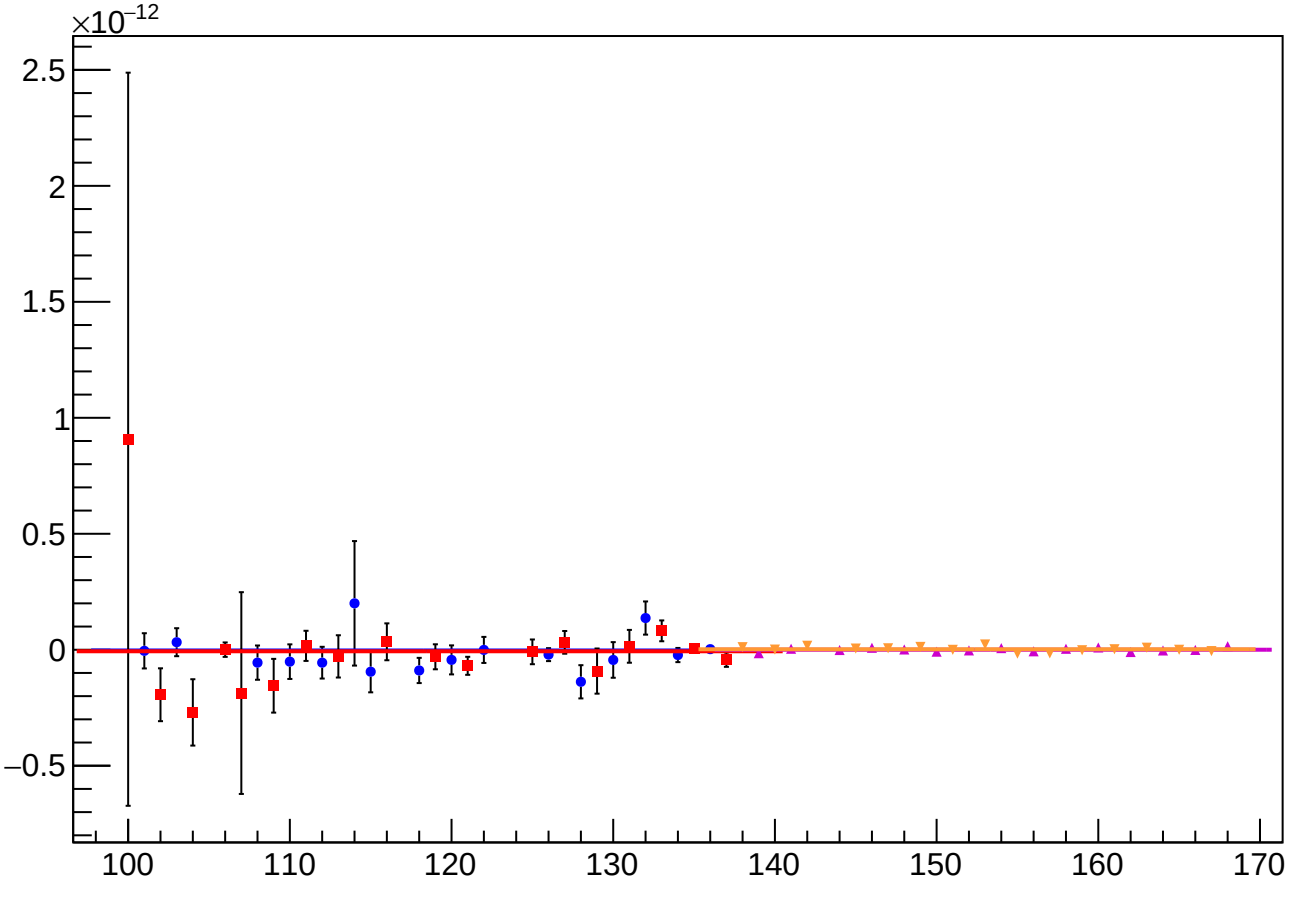
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2259.073+/-0.364 χ^2/NDF:755611.0/30

Out: 2271.929+/-0.371 χ^2/NDF:743643.5/32

All: 2265.372+/-0.260 χ^2/NDF: 1499866.4/63

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:15.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/14

Left: 0.000+/-0.000 χ^2/NDF: 27.7/29

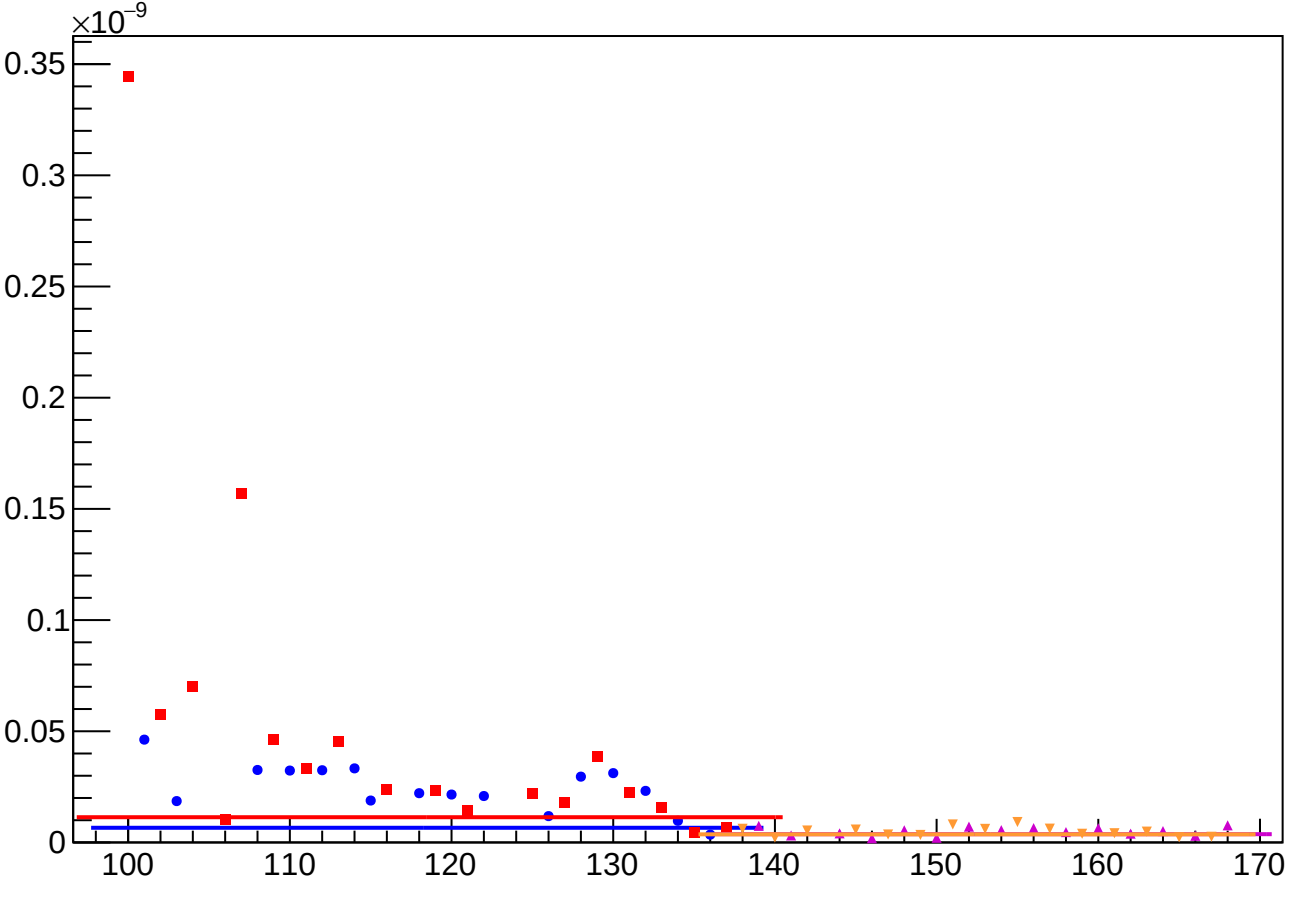
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.0/30

Out: 0.000+/-0.000 χ^2/NDF:34.6/32

All: 0.000+/-0.000 χ^2/NDF: 63.2/63

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411890.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1355530.1/14

Left: 0.000+/-0.000 χ^2/NDF: 2768581.8/29

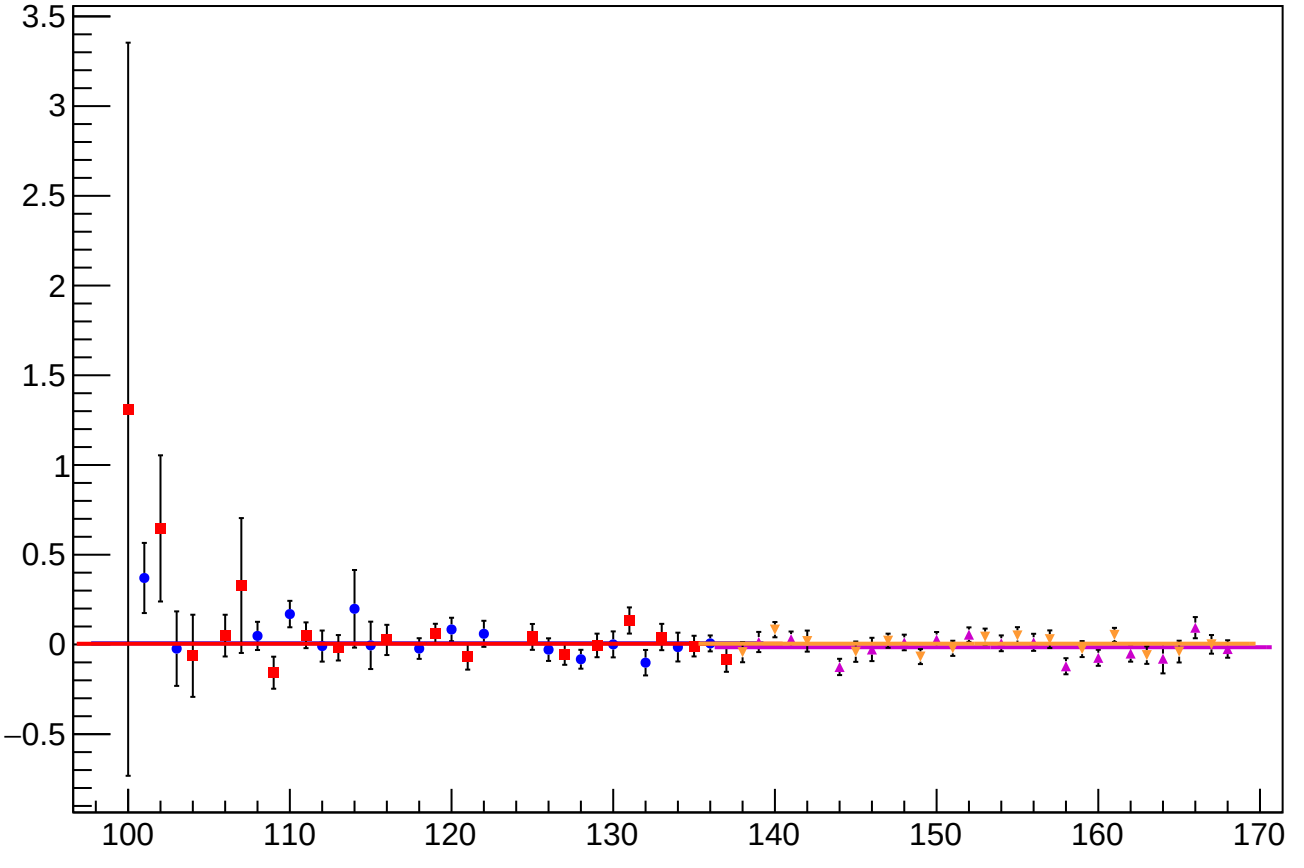
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4589986.6/30

Out: 0.000+/-0.000 χ^2/NDF:5303848.6/32

All: 0.000+/-0.000 χ^2/NDF: 9894540.6/63

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: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.012 χ^2/NDF:24.2/14

Left: -0.005+/-0.009 χ^2/NDF: 40.1/29

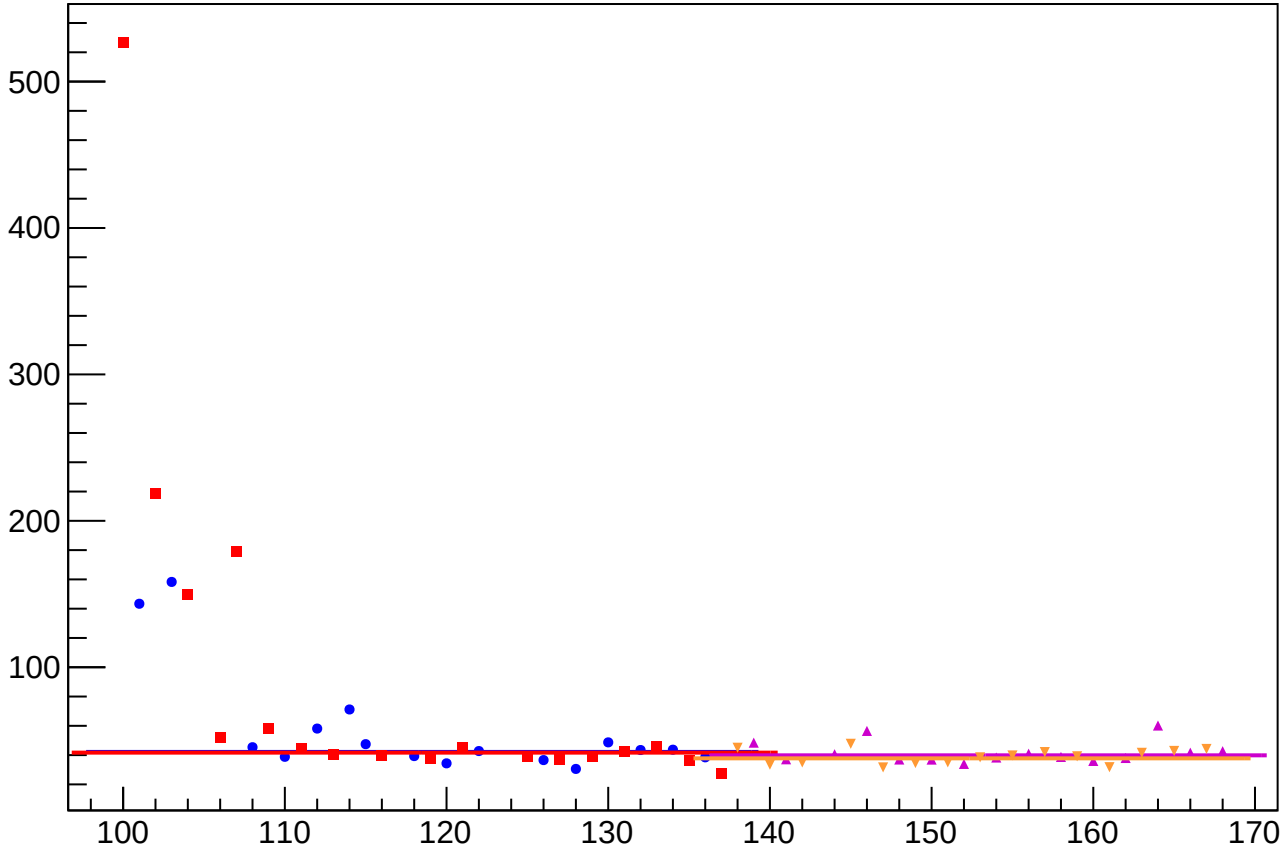
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.009+/-0.010 χ^2/NDF:42.4/30

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 74.0/63

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: 37.783+/-0.009 χ^2/NDF:315003.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.847+/-0.009 χ^2/NDF:401997.5/14

Left: 38.796+/-0.006 χ^2/NDF: 745606.7/29

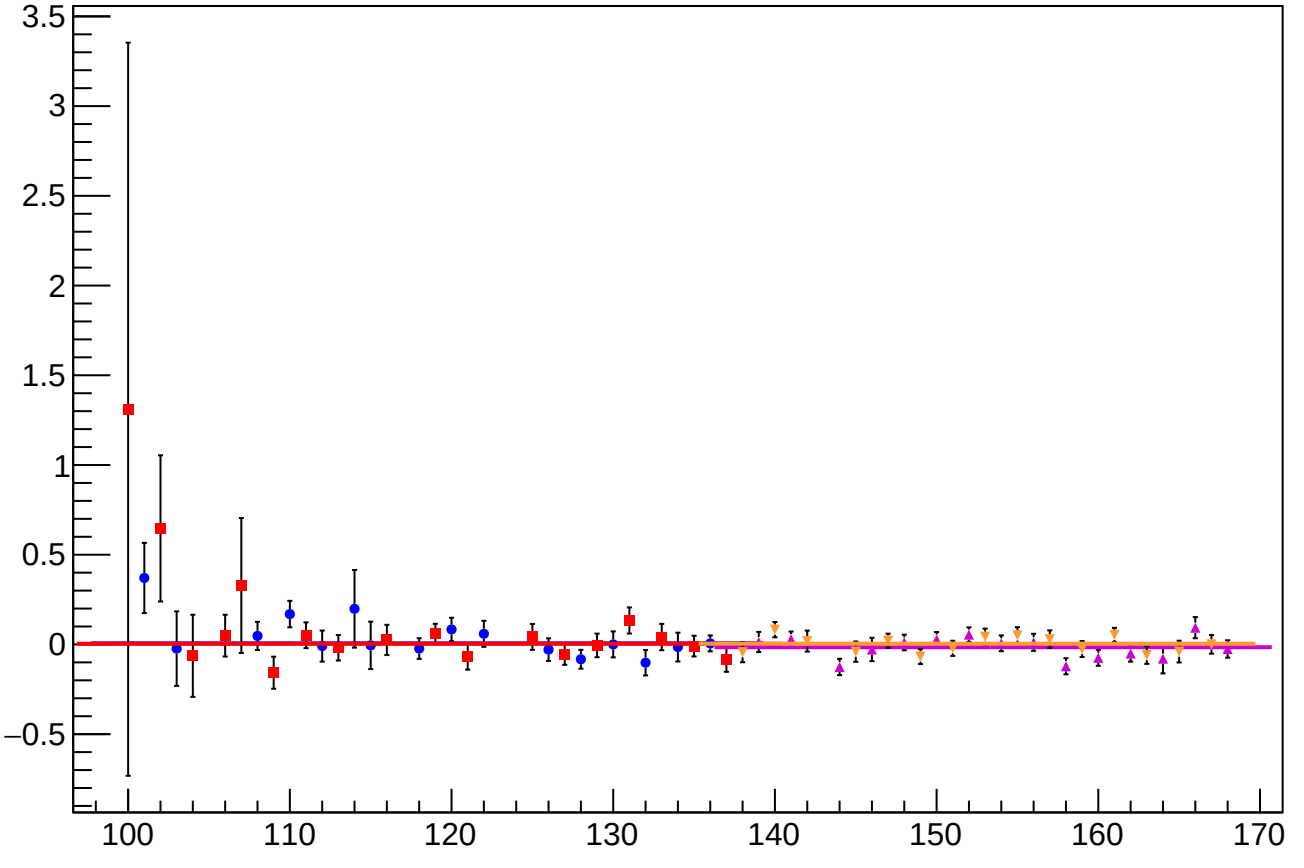
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.573+/-0.007 χ^2/NDF:1878525.3/30

Out: 38.945+/-0.007 χ^2/NDF:1818356.8/32

All: 39.753+/-0.005 χ^2/NDF: 3722464.8/63

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: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.012 χ^2/NDF:24.2/14

Left: -0.005+/-0.009 χ^2/NDF: 40.1/29

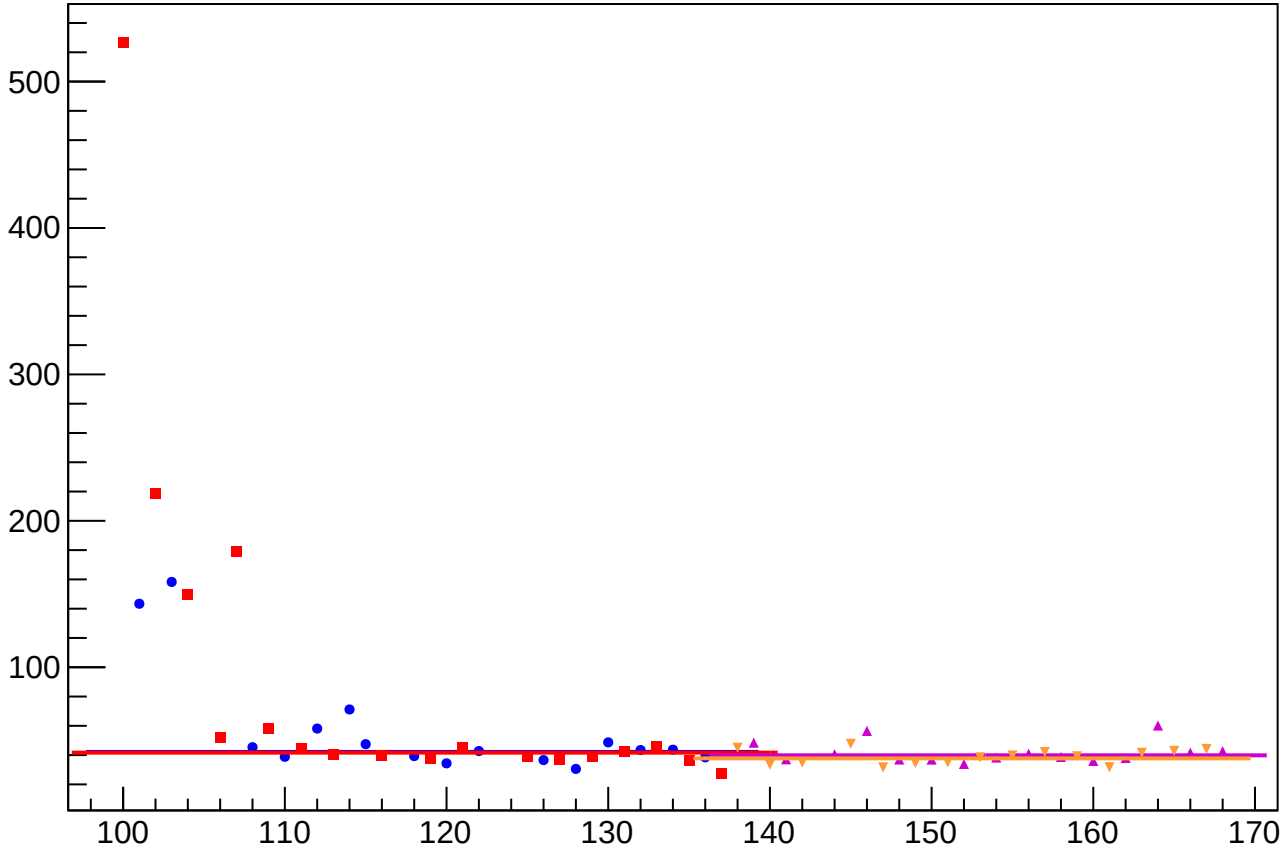
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.009+/-0.010 χ^2/NDF:42.4/30

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 74.0/63

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:315003.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.847+/-0.009 χ^2/NDF:401997.5/14

Left: 38.796+/-0.006 χ^2/NDF: 745606.7/29

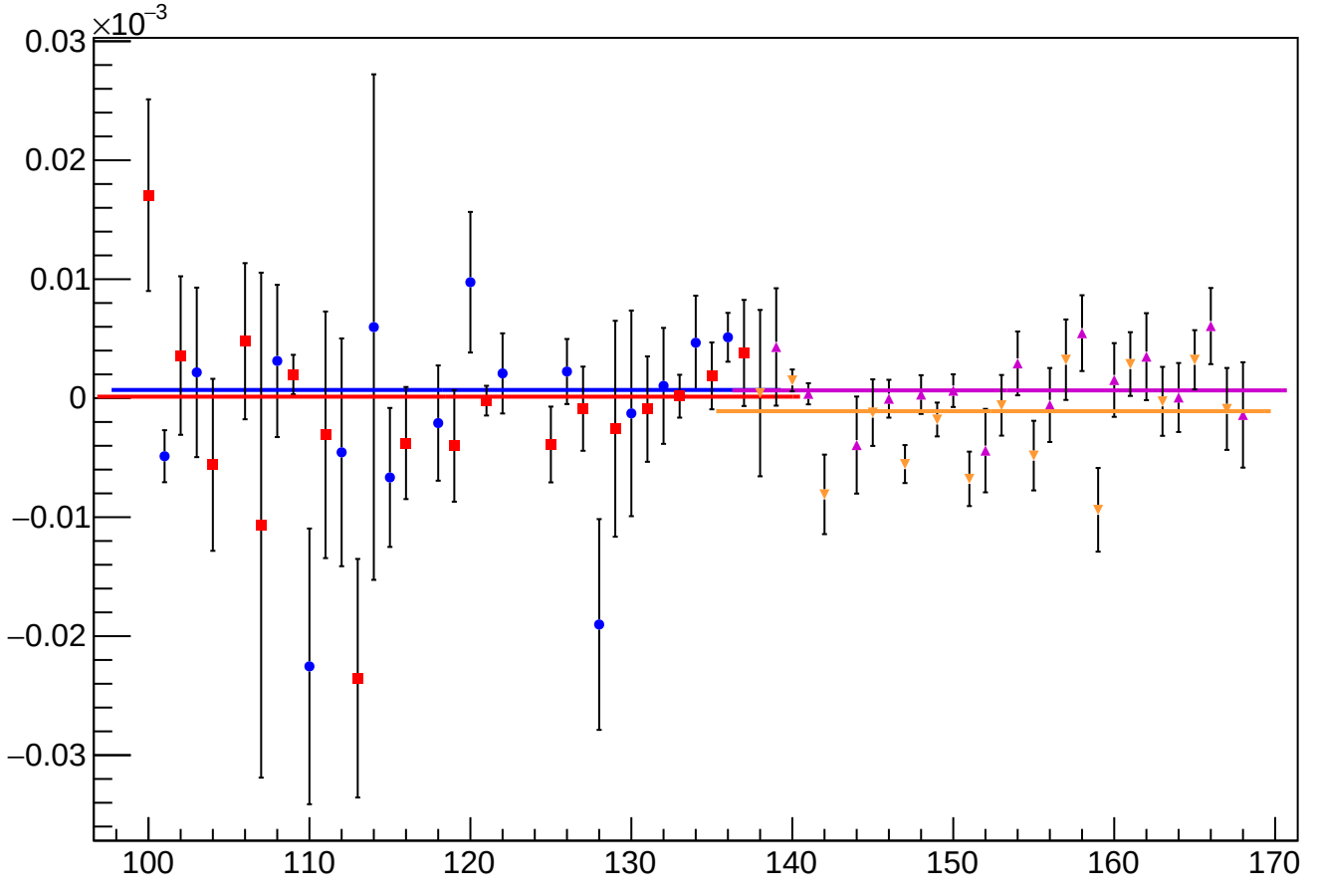
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.573+/-0.007 χ^2/NDF:1878525.3/30

Out: 38.945+/-0.007 χ^2/NDF:1818356.8/32

All: 39.753+/-0.005 χ^2/NDF: 3722464.8/63

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:40.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/14

Left: -0.000+/-0.000 χ^2/NDF: 57.2/29

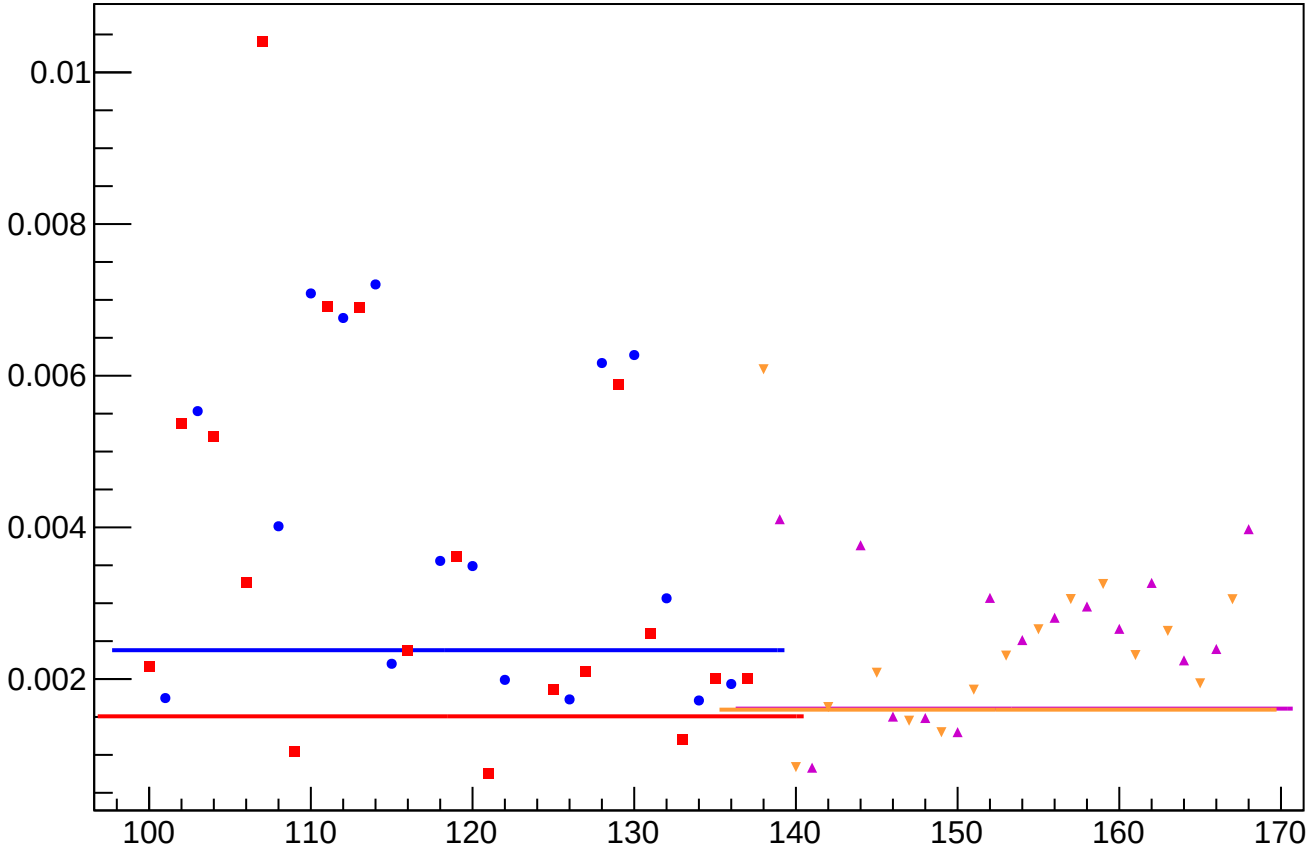
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.7/30

Out: -0.000+/-0.000 χ^2/NDF:60.0/32

All: -0.000+/-0.000 χ^2/NDF: 101.9/63

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: 0.002+/-0.000 χ^2/NDF:4412947.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:5392148.8/14

Left: 0.002+/-0.000 χ^2/NDF: 9805734.9/29

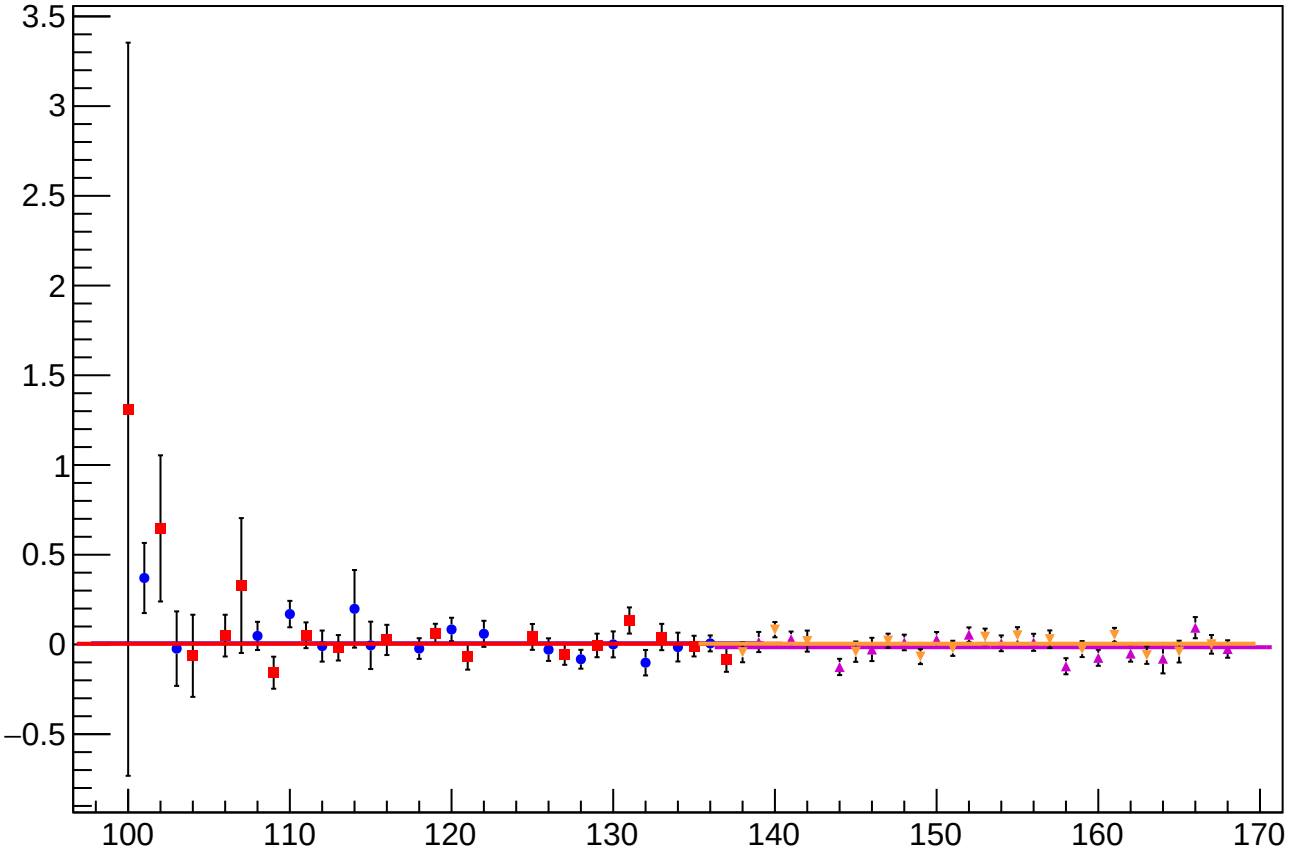
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:9125785.4/30

Out: 0.002+/-0.000 χ^2/NDF:9433738.8/32

All: 0.002+/-0.000 χ^2/NDF: 18775924.7/63

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: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.012 χ^2/NDF:24.2/14

Left: -0.005+/-0.009 χ^2/NDF: 40.1/29

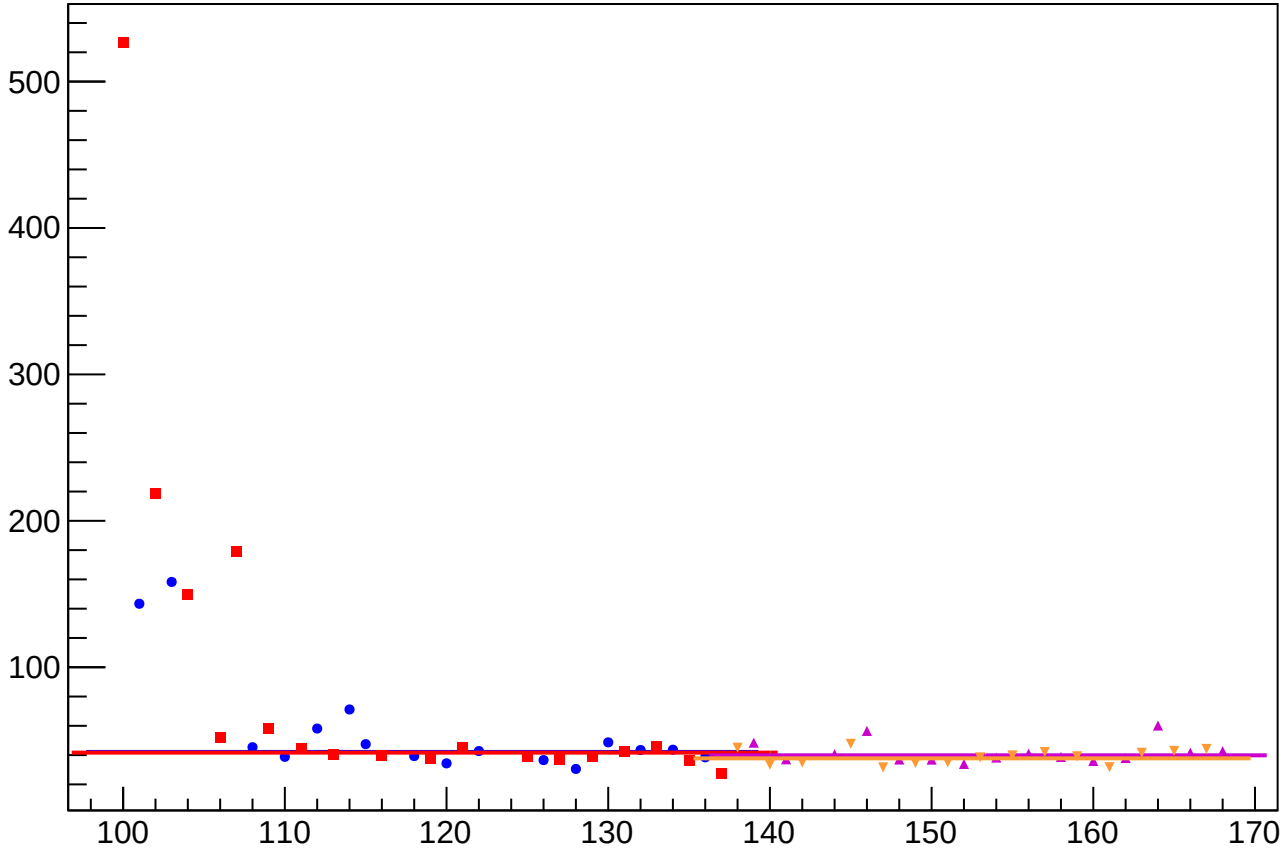
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.009+/-0.010 χ^2/NDF:42.4/30

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 74.0/63

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:314989.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.847+/-0.009 χ^2/NDF:402034.0/14

Left: 38.796+/-0.006 χ^2/NDF: 745625.3/29

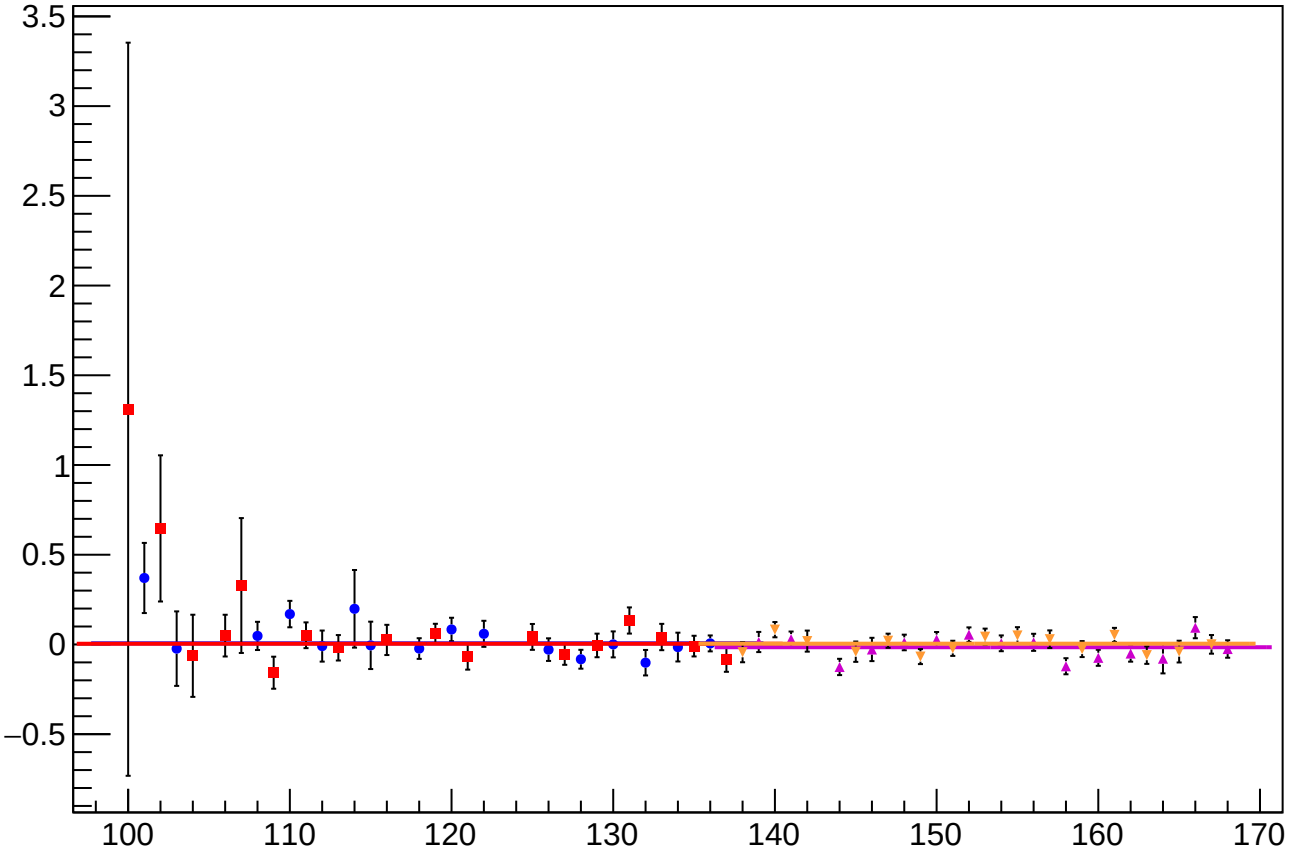
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.572+/-0.007 χ^2/NDF:1878730.4/30

Out: 38.946+/-0.007 χ^2/NDF:1818333.8/32

All: 39.753+/-0.005 χ^2/NDF: 3722617.2/63

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: 0.004+/-0.012 χ^2/NDF:14.5/14

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.015+/-0.012 χ^2/NDF:24.2/14

Left: -0.005+/-0.009 χ^2/NDF: 40.1/29

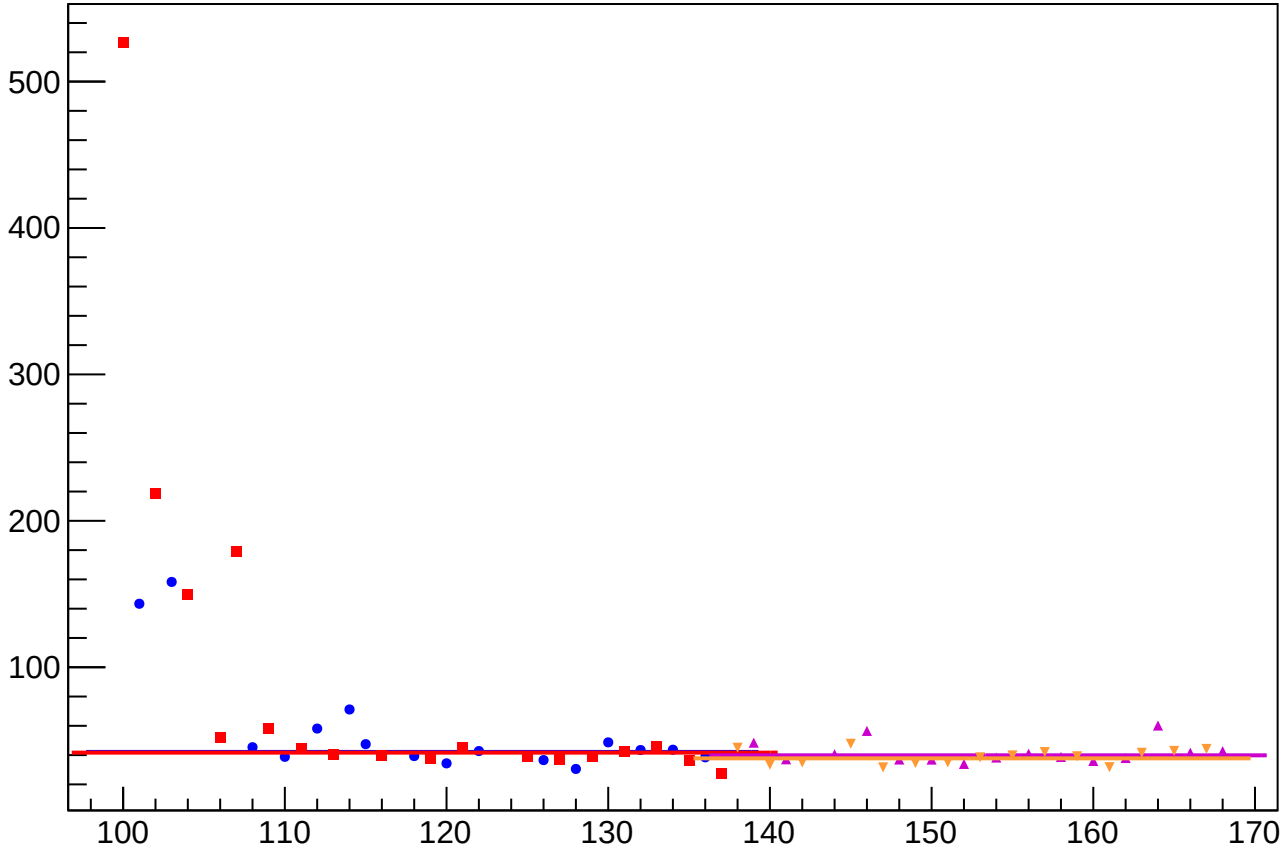
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.009+/-0.010 χ^2/NDF:42.4/30

Out: 0.004+/-0.010 χ^2/NDF:30.8/32

All: -0.002+/-0.007 χ^2/NDF: 74.0/63

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.783+/-0.009 χ^2/NDF:314989.5/14

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.847+/-0.009 χ^2/NDF:402034.0/14

Left: 38.796+/-0.006 χ^2/NDF: 745625.3/29

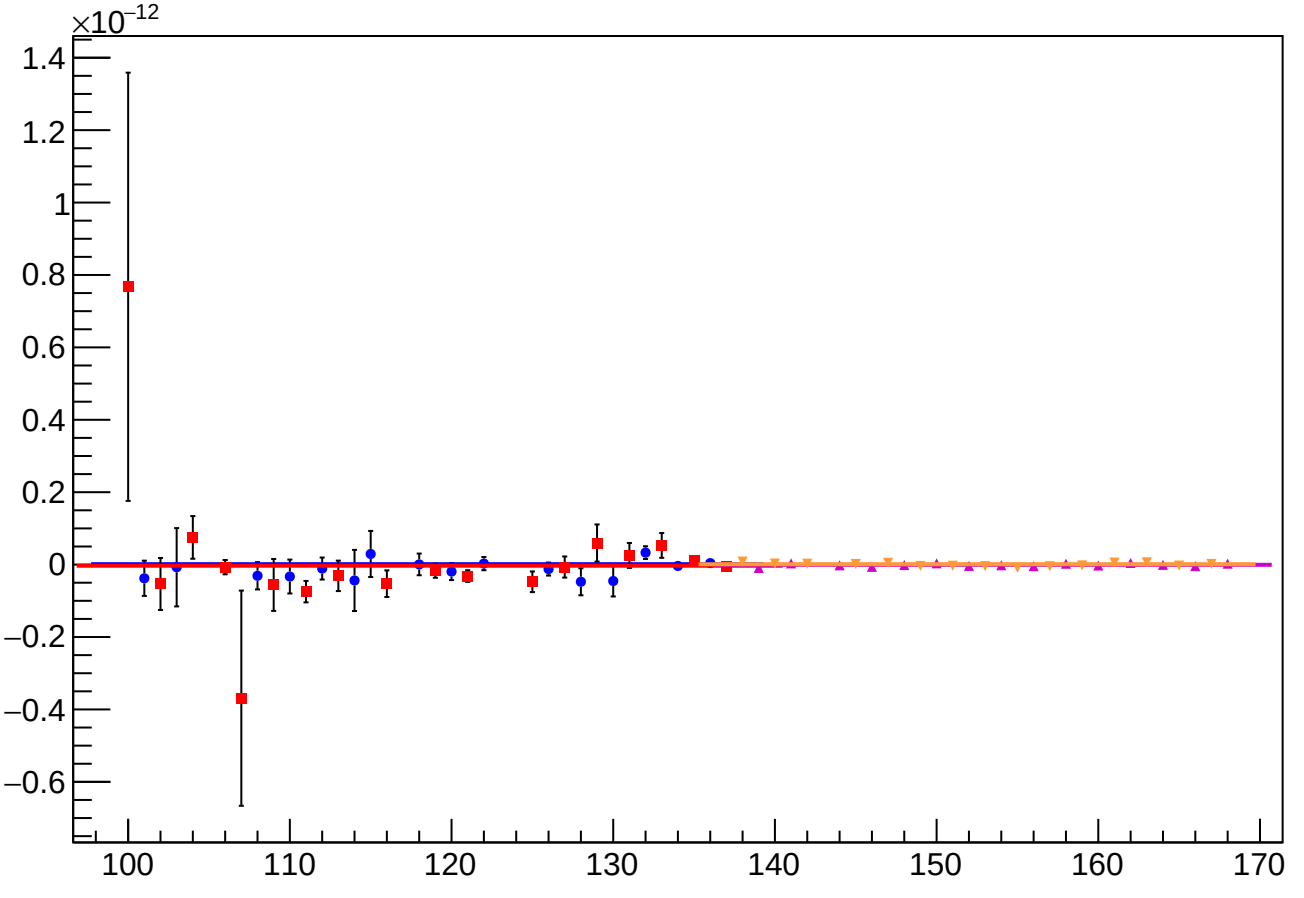
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.572+/-0.007 χ^2/NDF:1878730.4/30

Out: 38.946+/-0.007 χ^2/NDF:1818333.8/32

All: 39.753+/-0.005 χ^2/NDF: 3722617.2/63

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/14

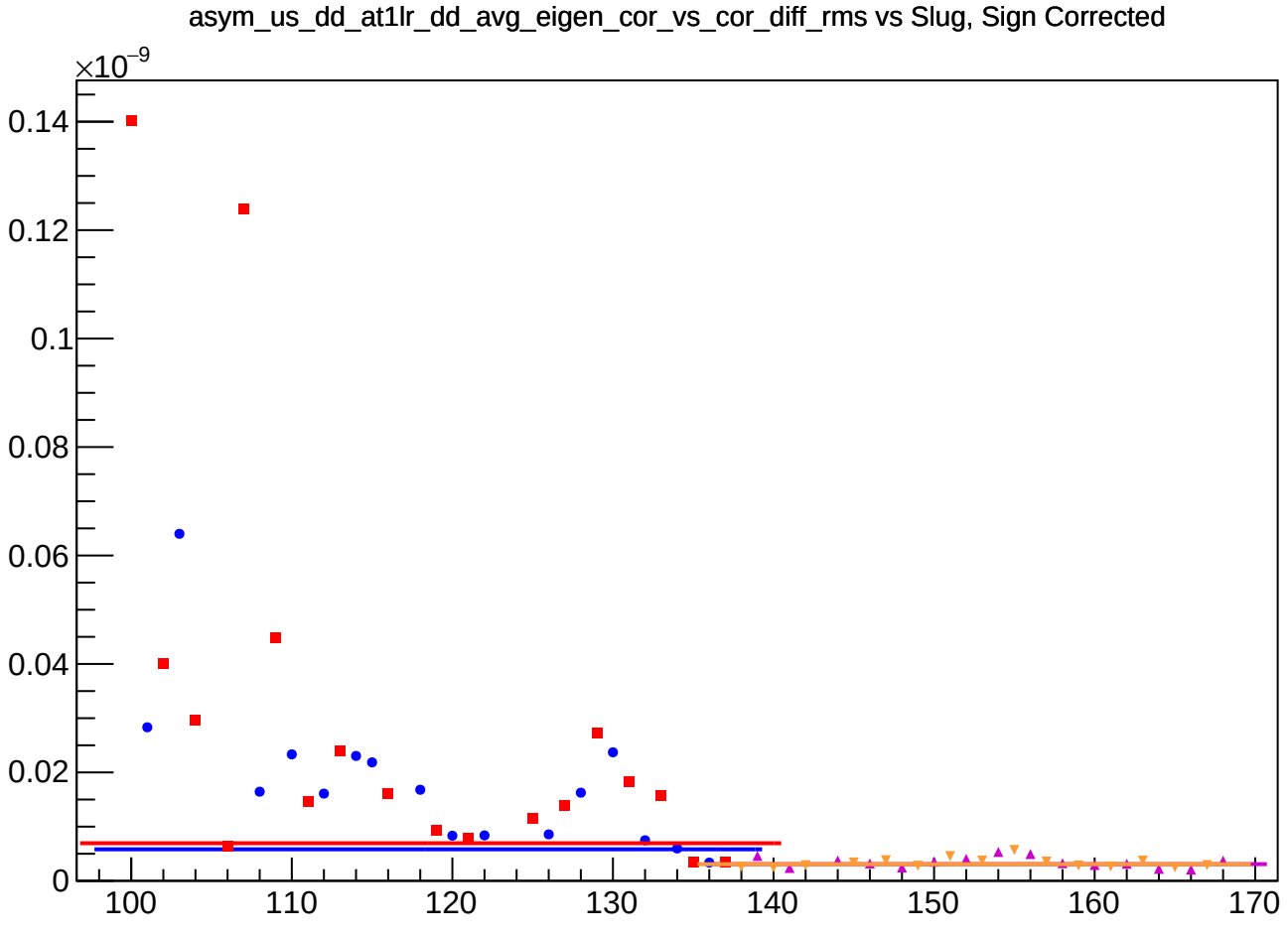
Left: 0.000+/-0.000 χ^2/NDF: 21.7/29

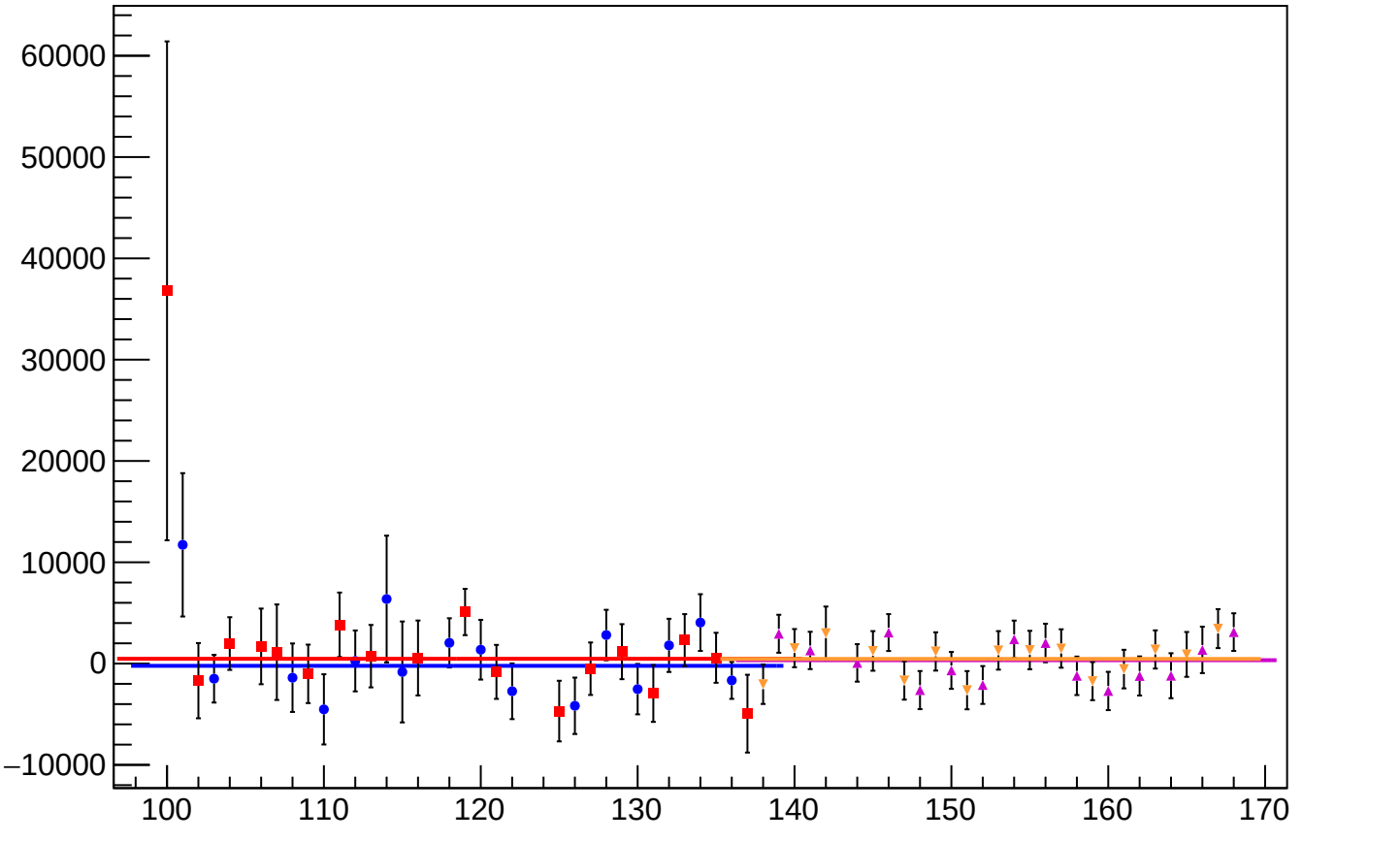
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:19.6/30

Out: 0.000+/-0.000 χ^2/NDF:41.5/32

All: 0.000+/-0.000 χ^2/NDF: 61.6/63


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:576997.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:963565.5/14
Left: 0.000+/-0.000 χ²/NDF: 1540701.9/29
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:5148251.3/30
Out: 0.000+/-0.000 χ²/NDF:5617525.3/32
All: 0.000+/-0.000 χ²/NDF: 10765827.6/63



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.247+/-504.006 χ^2/NDF:12.2/14

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 333.529+/-492.531 χ^2/NDF:17.8/14

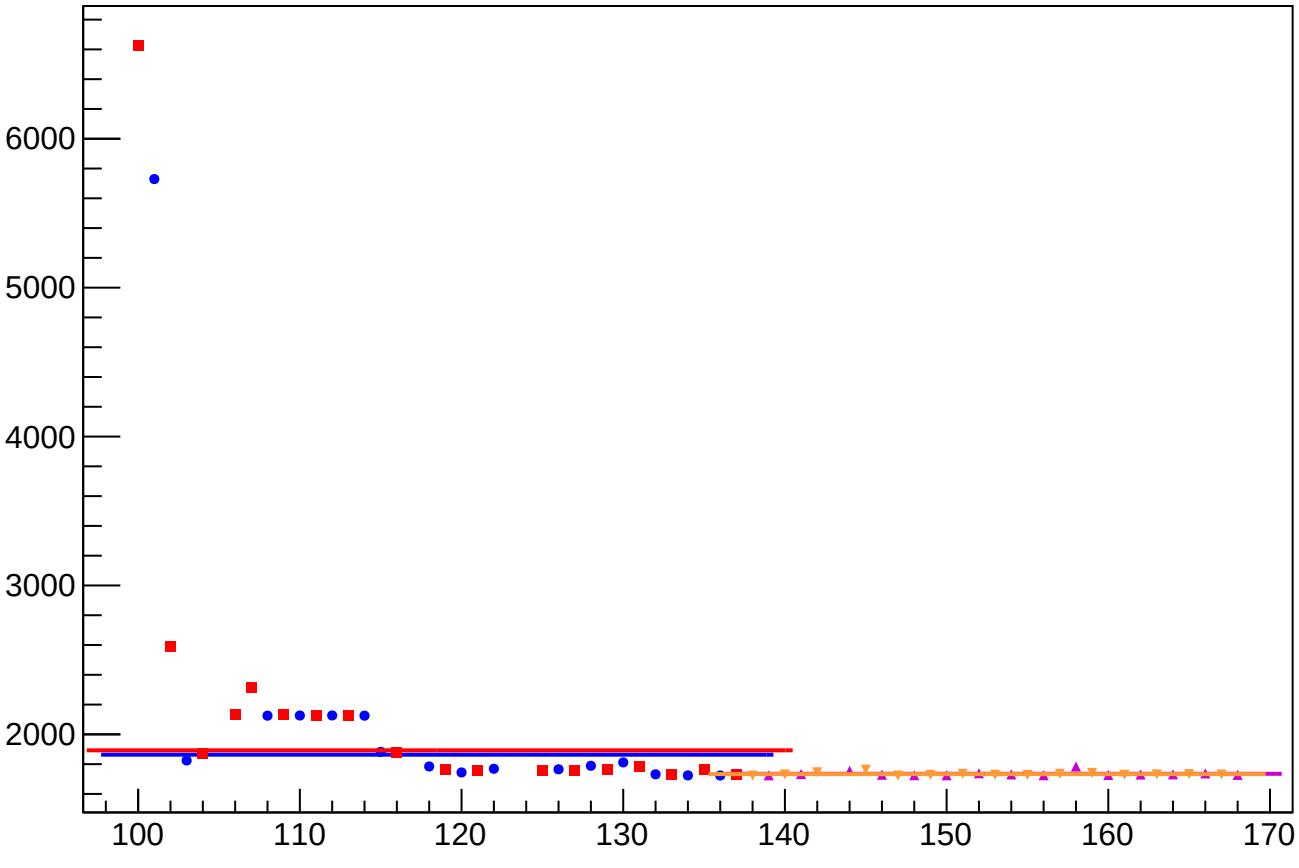
Left: 394.452+/-352.259 χ^2/NDF: 30.0/29

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 152.436+/-404.533 χ^2/NDF:34.1/30

Out: 462.979+/-411.269 χ^2/NDF:28.1/32

All: 305.143+/-288.400 χ^2/NDF: 62.4/63



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.035+/-0.356 χ^2/NDF:718.1/14

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.241+/-0.348 χ^2/NDF:1942.8/14

Left: 1734.163+/-0.249 χ^2/NDF: 2680.5/29

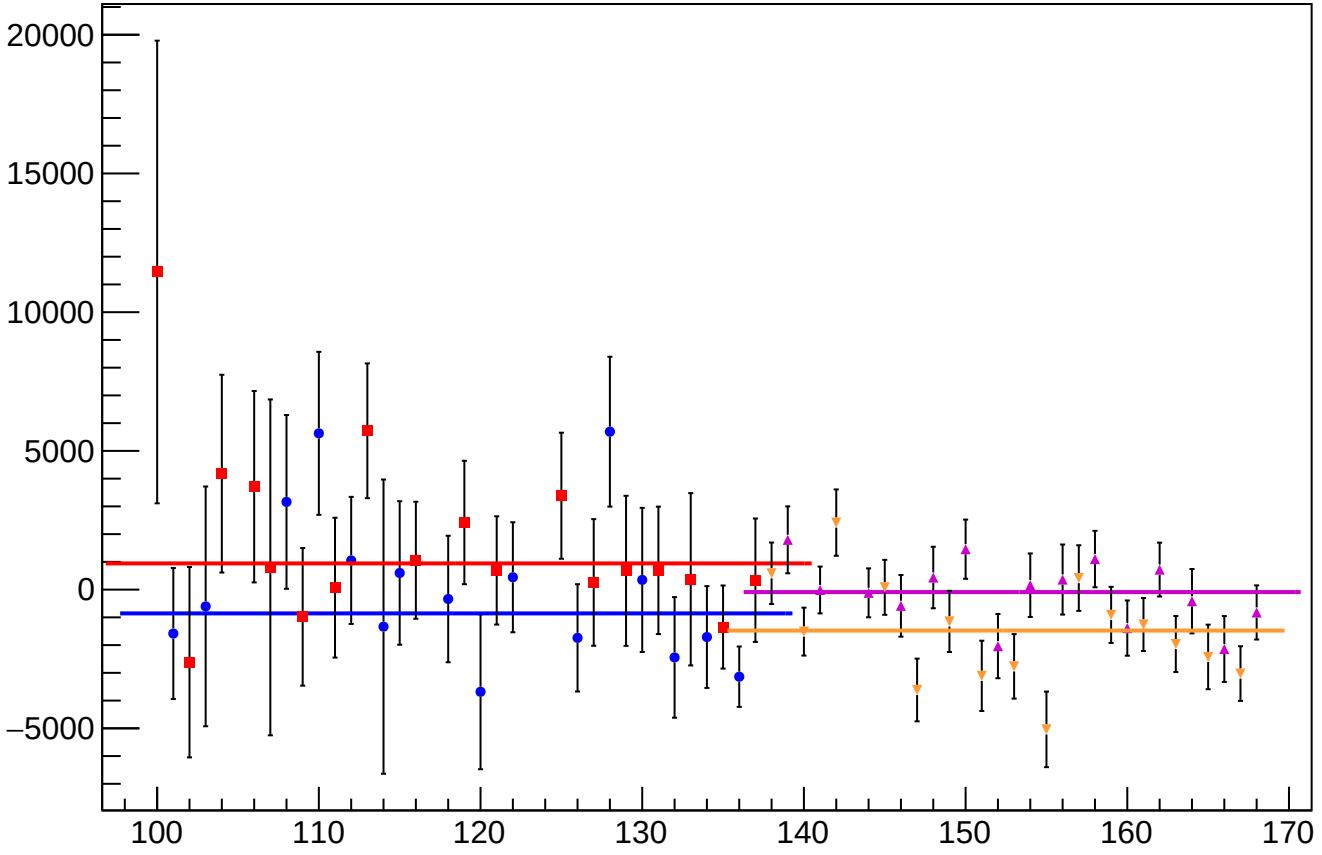
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1777.004+/-0.286 χ^2/NDF:720797.4/30

Out: 1786.442+/-0.291 χ^2/NDF:319437.6/32

All: 1781.645+/-0.204 χ^2/NDF: 1040770.3/63

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: -1475.249+/-278.255 χ^2/NDF:36.2/14

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -88.825+/-271.582 χ^2/NDF:15.4/14

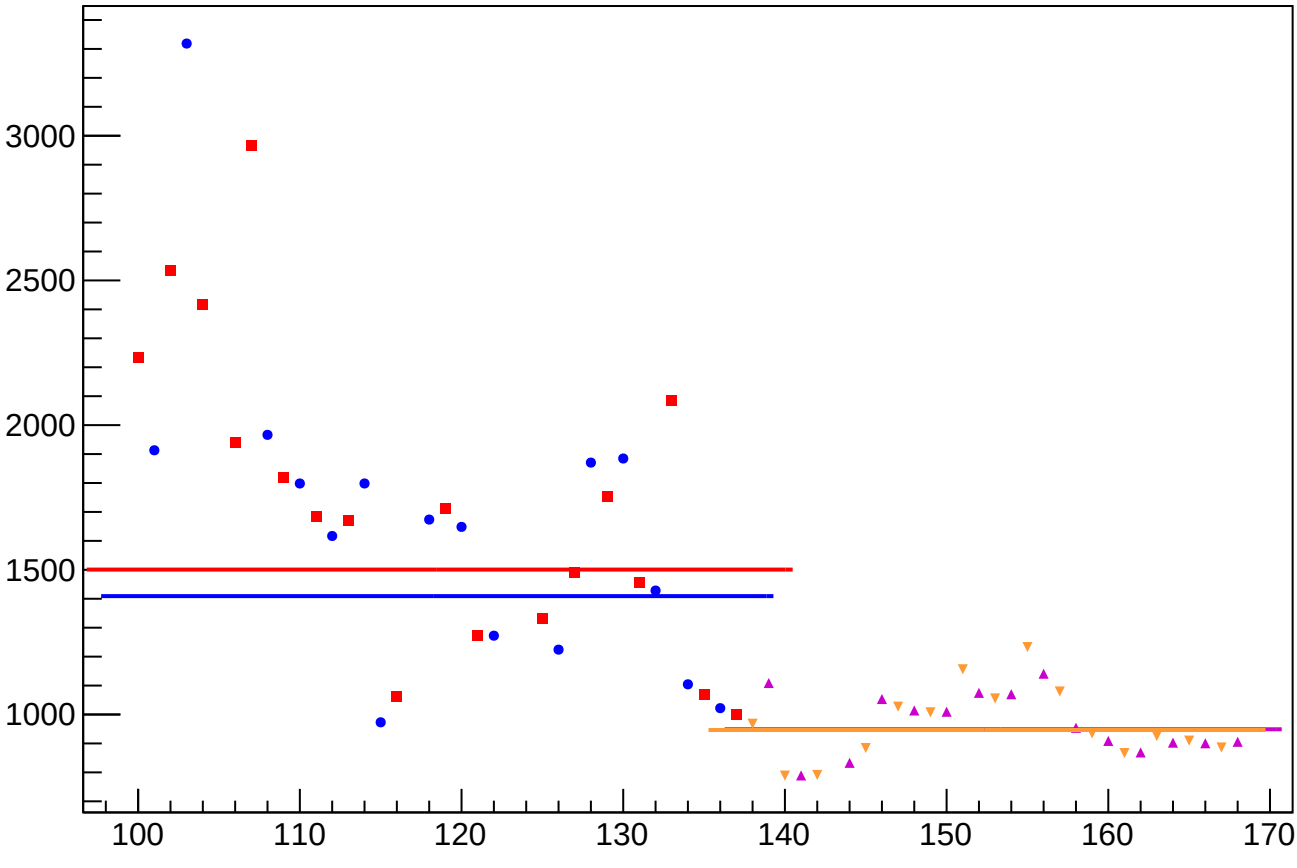
Left: -765.215+/-194.354 χ^2/NDF: 64.3/29

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -239.558+/-243.495 χ^2/NDF:37.6/30

Out: -1027.477+/-251.196 χ^2/NDF:63.2/32

All: -621.254+/-174.836 χ^2/NDF: 105.8/63



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 946.431+/-0.197 χ^2/NDF:336231.2/14

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 949.012+/-0.192 χ^2/NDF:291889.0/14

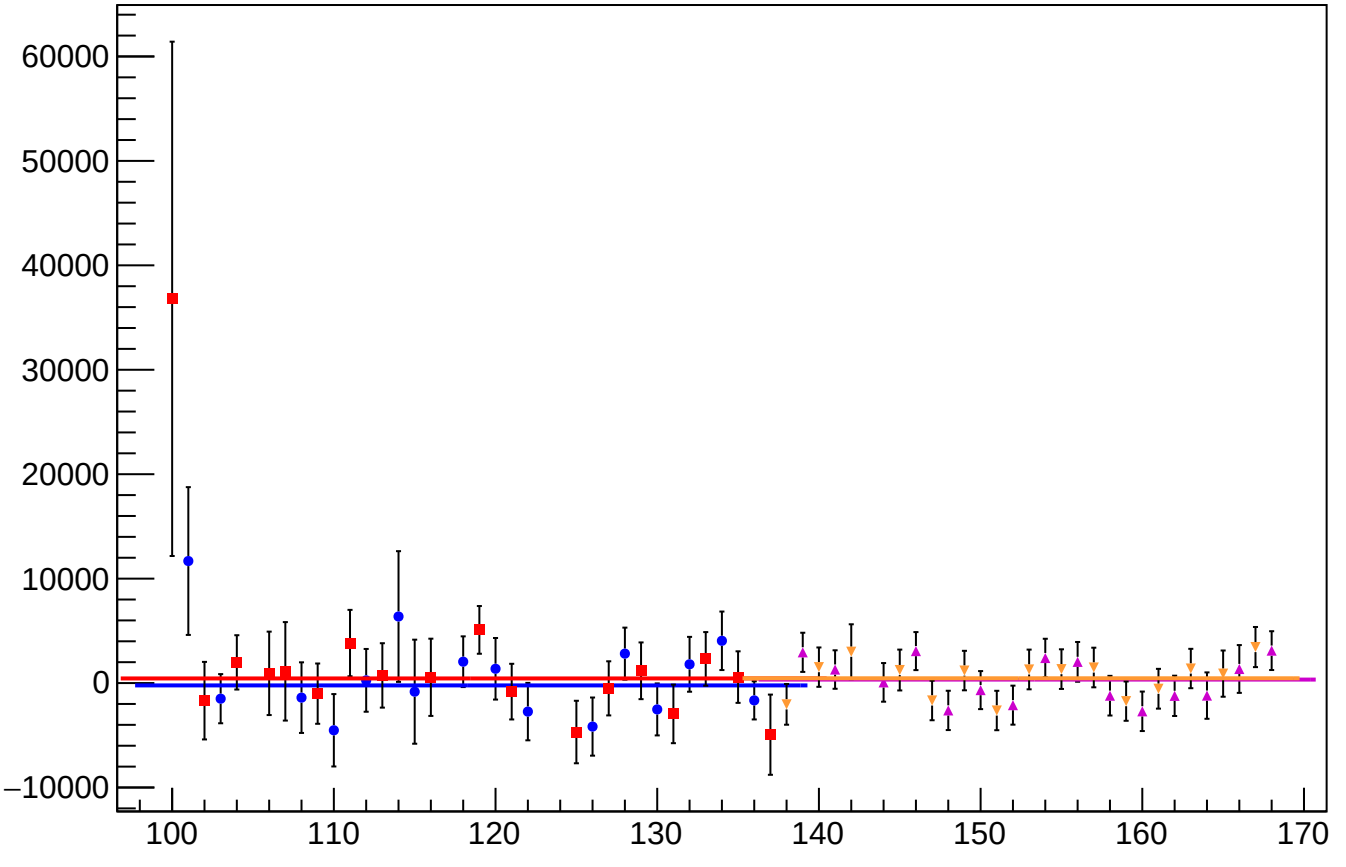
Left: 947.753+/-0.137 χ^2/NDF: 628208.3/29

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1039.256+/-0.172 χ^2/NDF:2585456.1/30

Out: 1049.007+/-0.178 χ^2/NDF:2835900.1/32

All: 1043.980+/-0.124 χ^2/NDF: 5422910.0/63



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 333.580+/-492.531 χ^2/NDF:17.8/14

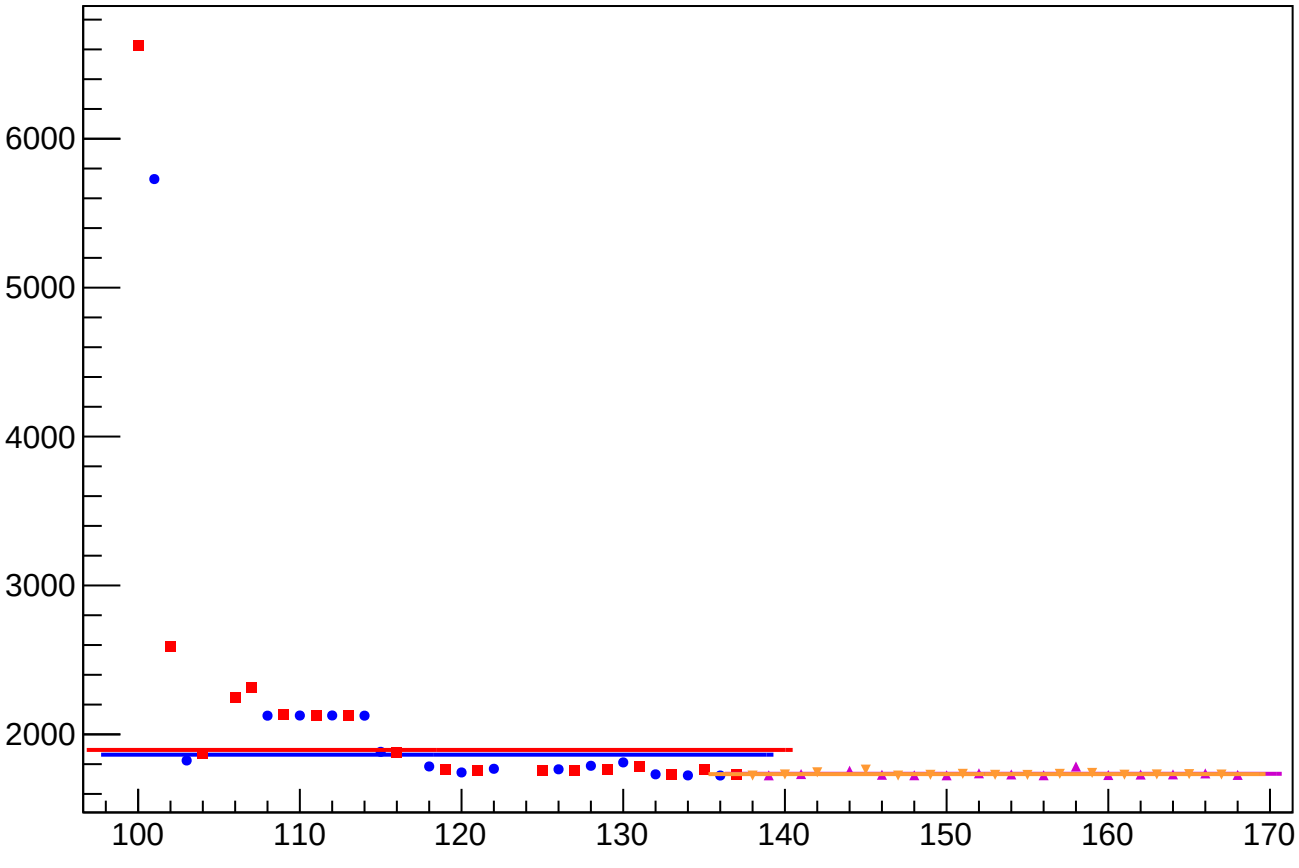
Left: 394.516+/-352.259 χ^2/NDF: 30.0/29

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 152.218+/-404.533 χ^2/NDF:34.0/30

Out: 453.226+/-411.582 χ^2/NDF:28.0/32

All: 300.123+/-288.508 χ^2/NDF: 62.3/63



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.035+/-0.356 χ^2/NDF:718.1/14

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.241+/-0.348 χ^2/NDF:1942.8/14

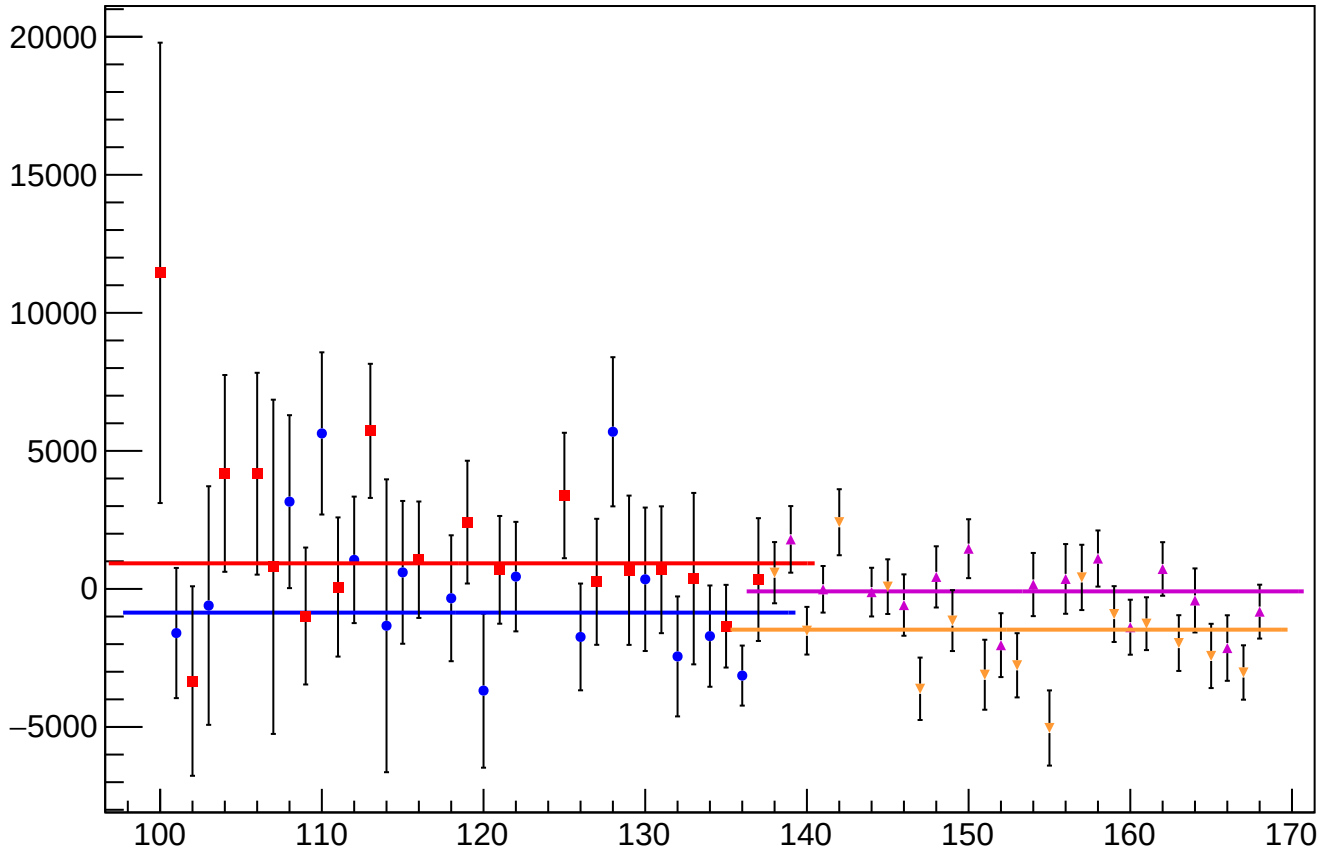
Left: 1734.164+/-0.249 χ^2/NDF: 2680.5/29

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1777.004+/-0.286 χ^2/NDF:720797.3/30

Out: 1787.154+/-0.291 χ^2/NDF:329112.1/32

All: 1781.992+/-0.204 χ^2/NDF: 1050528.1/63



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -88.784+/-271.581 χ^2/NDF:15.4/14

Left: -765.187+/-194.353 χ^2/NDF: 64.3/29

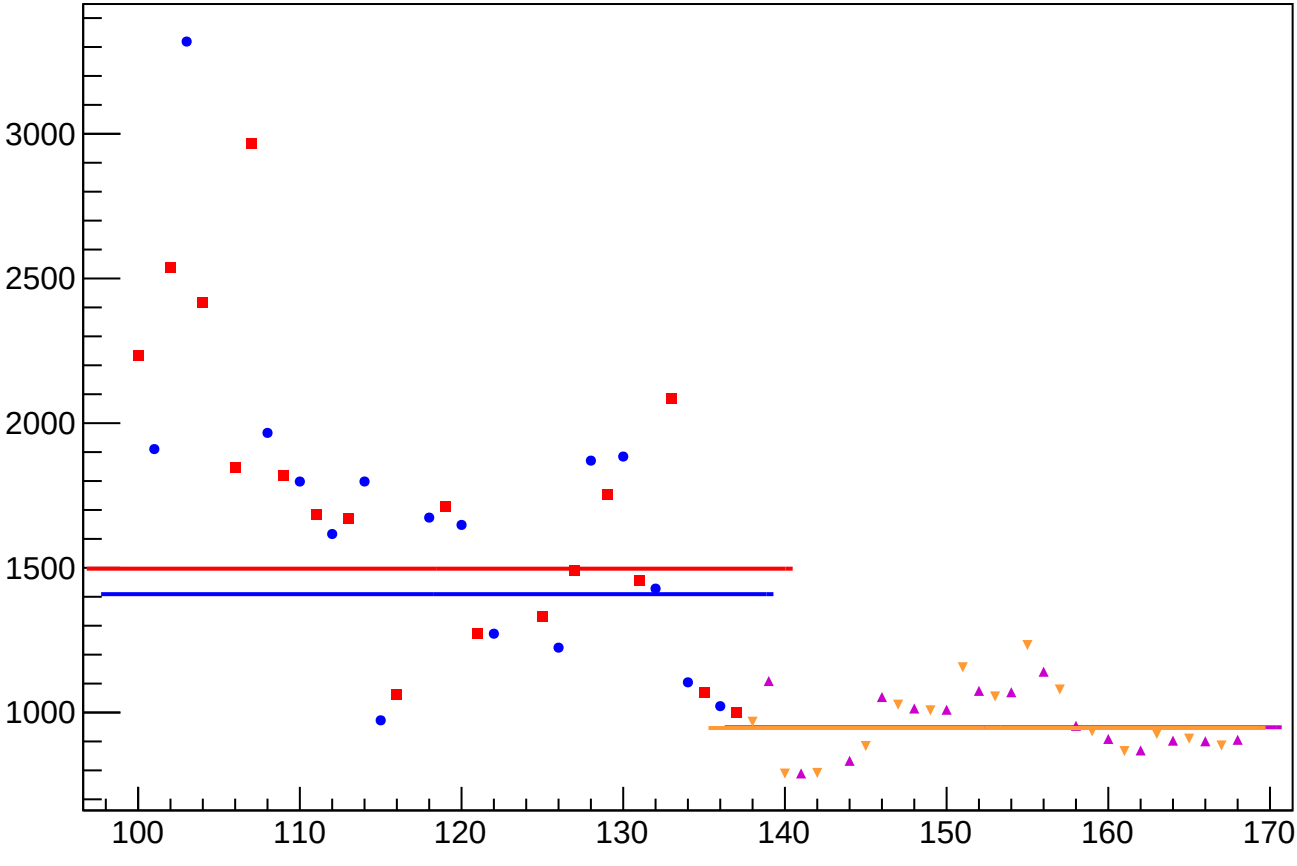
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -239.704+/-243.490 χ^2/NDF:37.6/30

Out: -1031.854+/-251.269 χ^2/NDF:63.5/32

All: -623.327+/-174.859 χ^2/NDF: 106.2/63

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 946.433+/-0.197 χ^2/NDF:336195.9/14

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 949.007+/-0.192 χ^2/NDF:291906.3/14

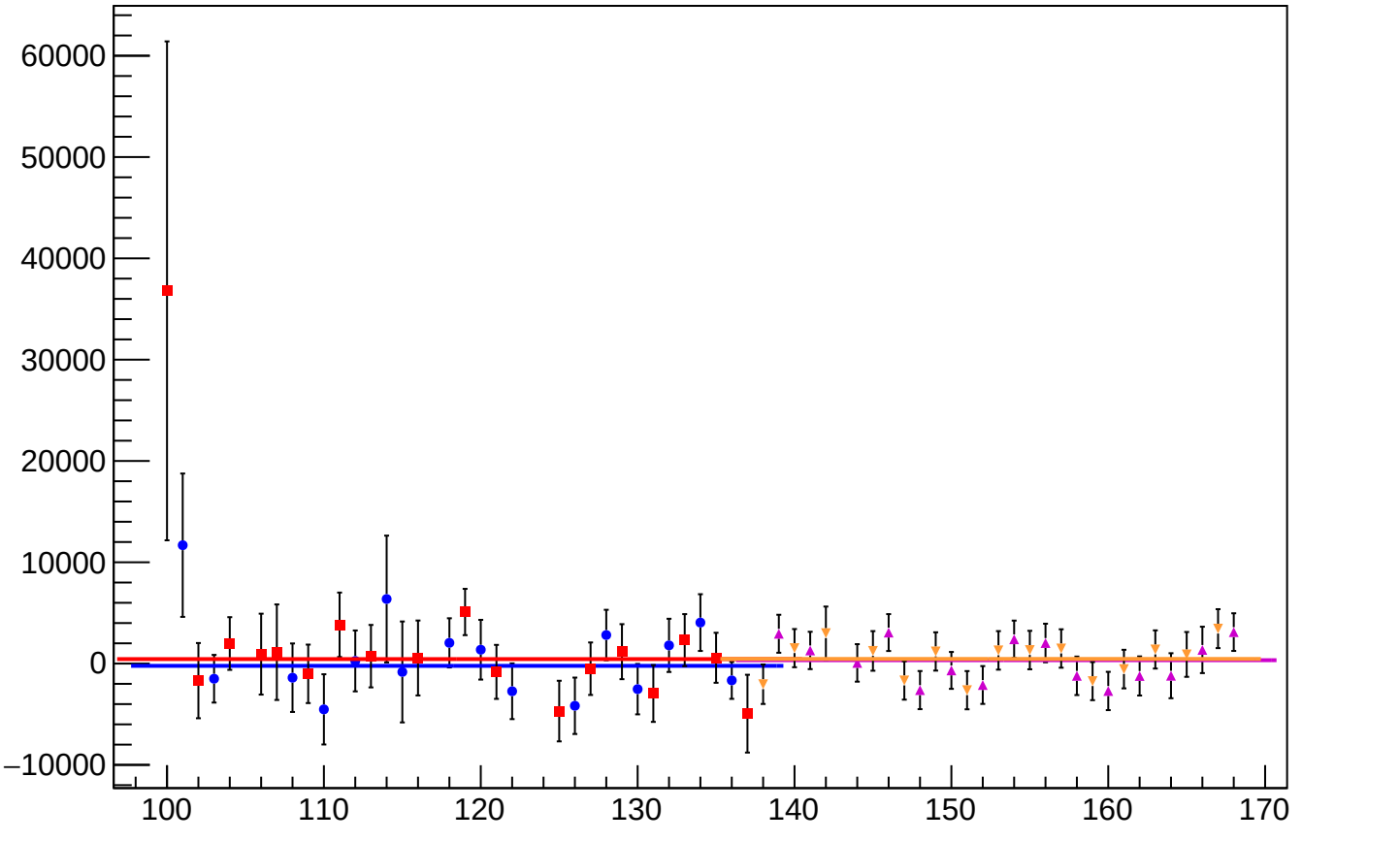
Left: 947.751+/-0.137 χ^2/NDF: 628189.9/29

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1039.247+/-0.172 χ^2/NDF:2584622.0/30

Out: 1048.073+/-0.178 χ^2/NDF:2800207.8/32

All: 1043.521+/-0.124 χ^2/NDF: 5386102.0/63



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.324+/-504.006 χ^2/NDF:12.2/14

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 333.580+/-492.531 χ^2/NDF:17.8/14

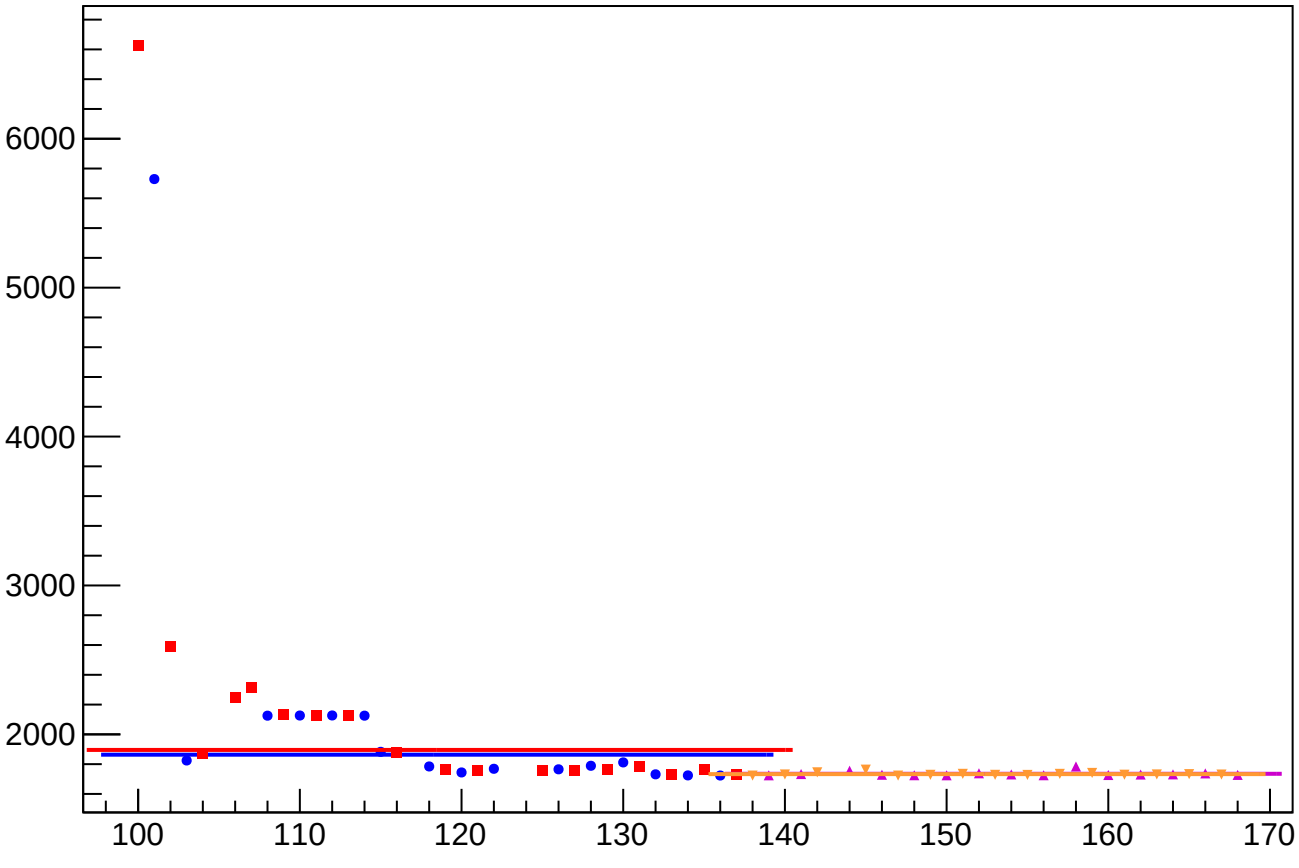
Left: 394.516+/-352.259 χ^2/NDF: 30.0/29

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

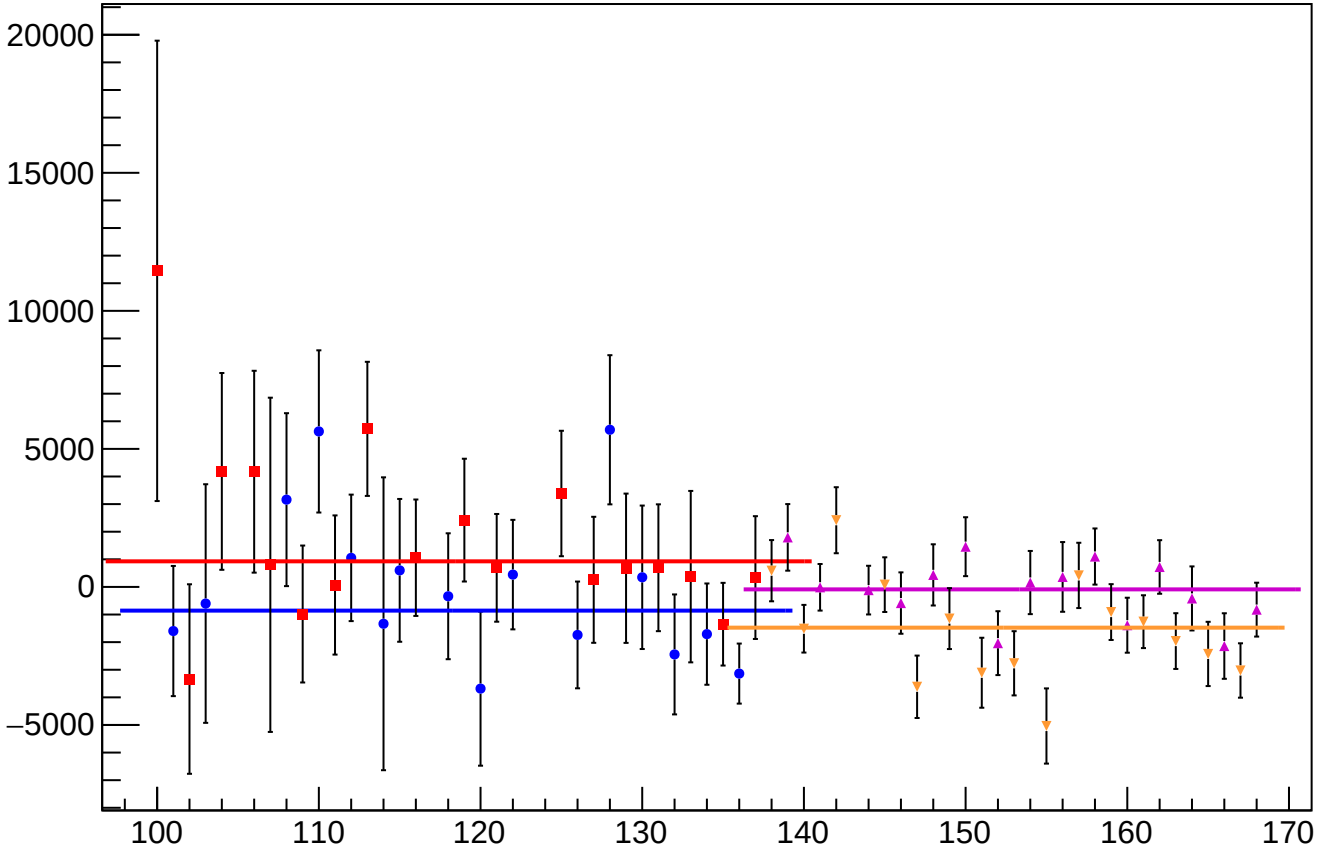
In: 152.218+/-404.533 χ^2/NDF:34.0/30

Out: 453.226+/-411.582 χ^2/NDF:28.0/32

All: 300.123+/-288.508 χ^2/NDF: 62.3/63


eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ²/NDF: 674665.4/15
Left Out: 1733.035+/-0.356 χ²/NDF:718.1/14
Right Out: 1895.491+/-0.504 χ²/NDF: 259171.7/17
Left In: 1735.241+/-0.348 χ²/NDF:1942.8/14
Left: 1734.164+/-0.249 χ²/NDF: 2680.5/29
Right: 1879.447+/-0.356 χ²/NDF: 935850.8/33
In: 1777.004+/-0.286 χ²/NDF:720797.3/30
Out: 1787.154+/-0.291 χ²/NDF:329112.1/32
All: 1781.992+/-0.204 χ²/NDF: 1050528.1/63

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1475.246+/-278.255 χ^2/NDF:36.2/14

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -88.784+/-271.581 χ^2/NDF:15.4/14

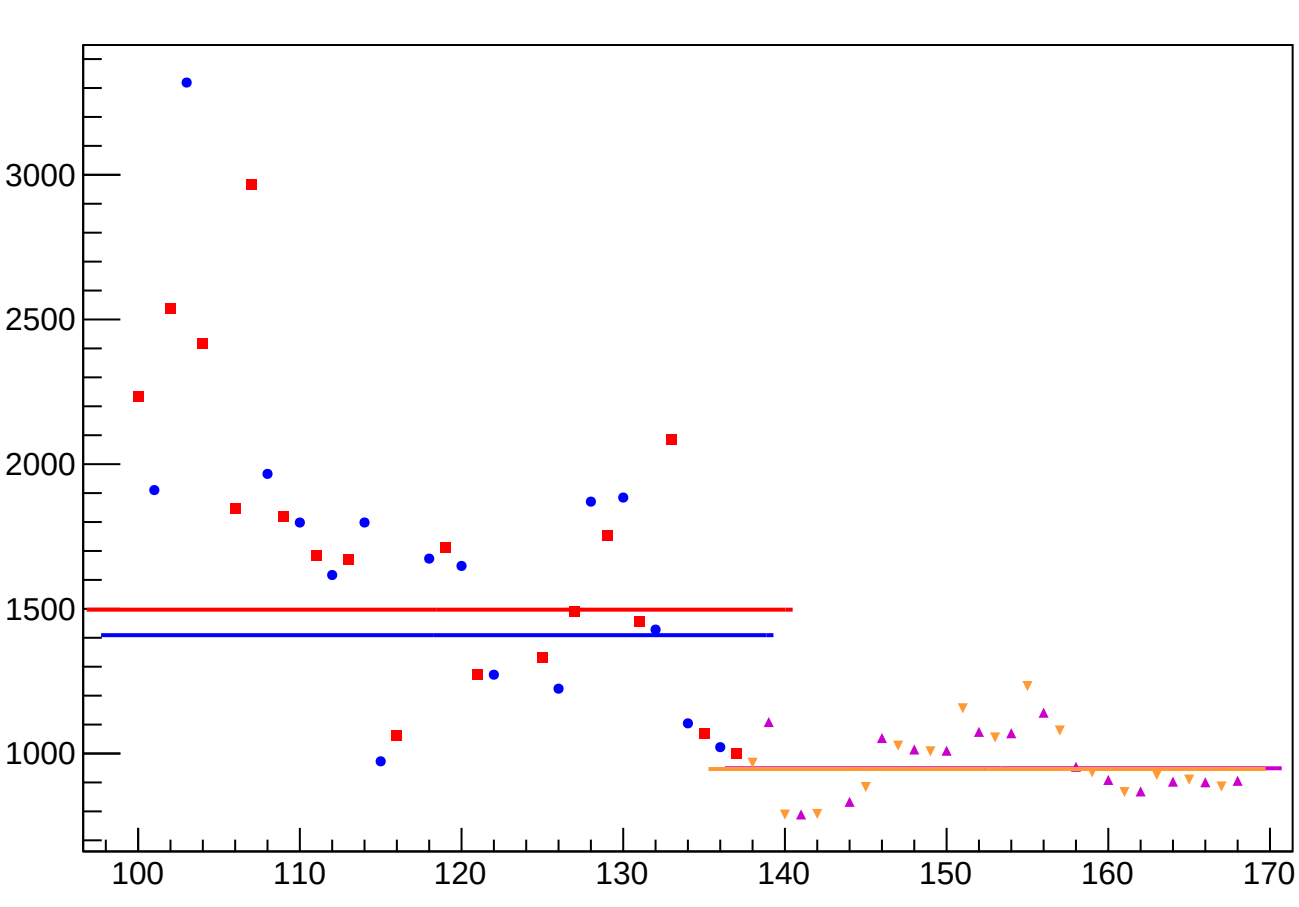
Left: -765.187+/-194.353 χ^2/NDF: 64.3/29

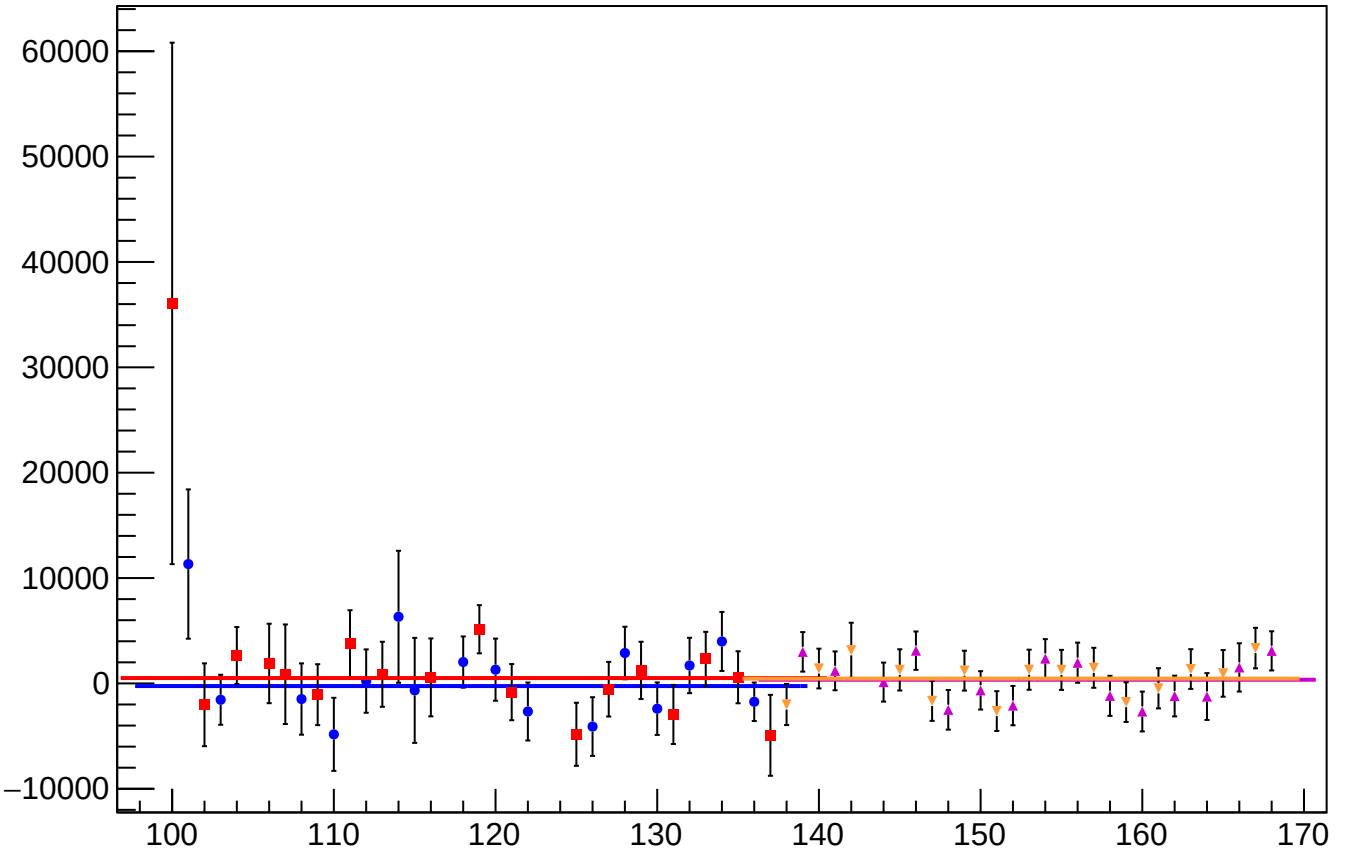
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -239.704+/-243.490 χ^2/NDF:37.6/30

Out: -1031.854+/-251.269 χ^2/NDF:63.5/32

All: -623.327+/-174.859 χ^2/NDF: 106.2/63


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 946.433+/-0.197 χ²/NDF:336195.9/14
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 949.007+/-0.192 χ²/NDF:291906.3/14
Left: 947.751+/-0.137 χ²/NDF: 628189.9/29
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1039.247+/-0.172 χ²/NDF:2584622.0/30
Out: 1048.073+/-0.178 χ²/NDF:2800207.8/32
All: 1043.521+/-0.124 χ²/NDF: 5386102.0/63



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 350.137+/-492.810 χ^2/NDF:17.5/14

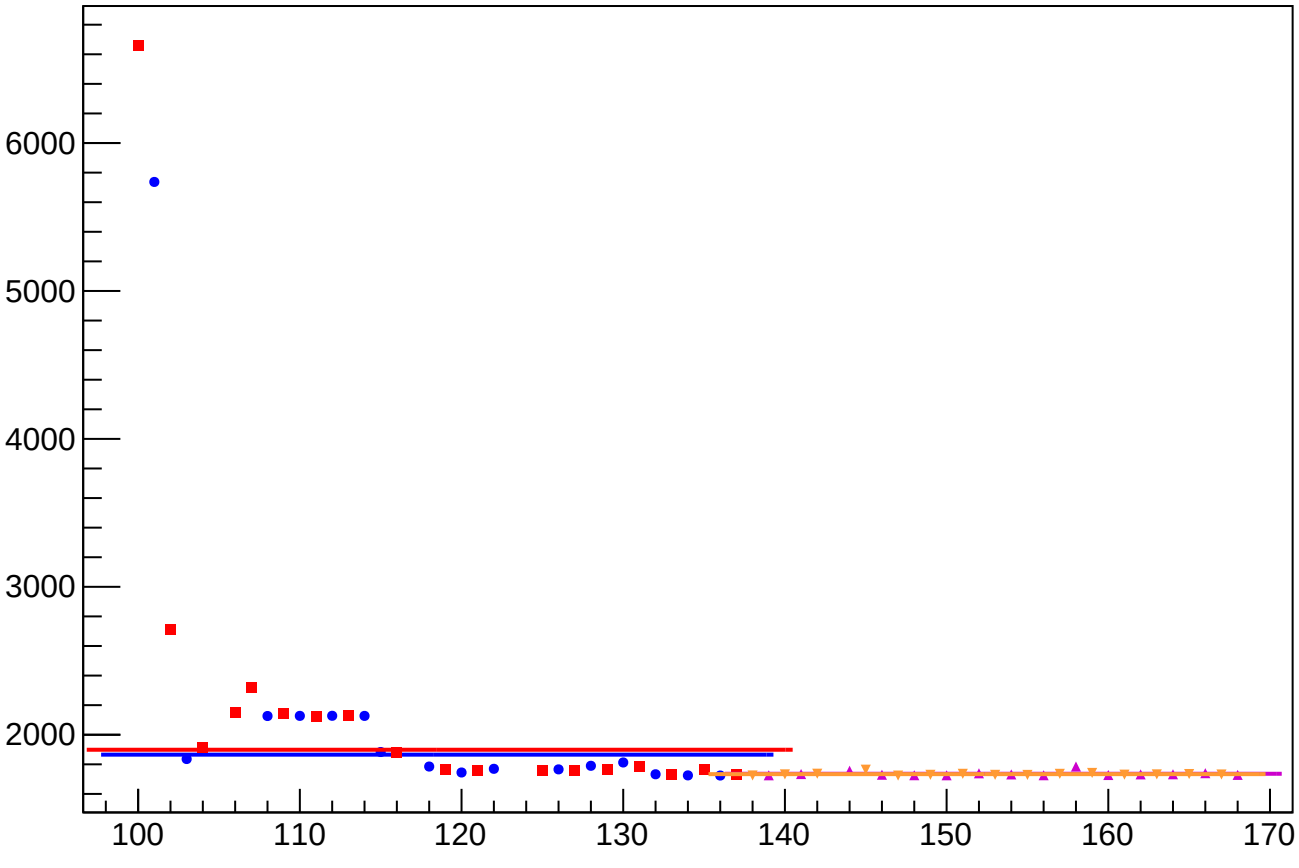
Left: 401.156+/-352.432 χ^2/NDF: 29.6/29

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 154.344+/-404.840 χ^2/NDF:33.7/30

Out: 473.000+/-412.145 χ^2/NDF:28.4/32

All: 310.823+/-288.813 χ^2/NDF: 62.4/63



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.708+/-0.357 χ^2/NDF:665.4/14

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.226+/-0.348 χ^2/NDF:1936.2/14

Left: 1734.996+/-0.249 χ^2/NDF: 2627.1/29

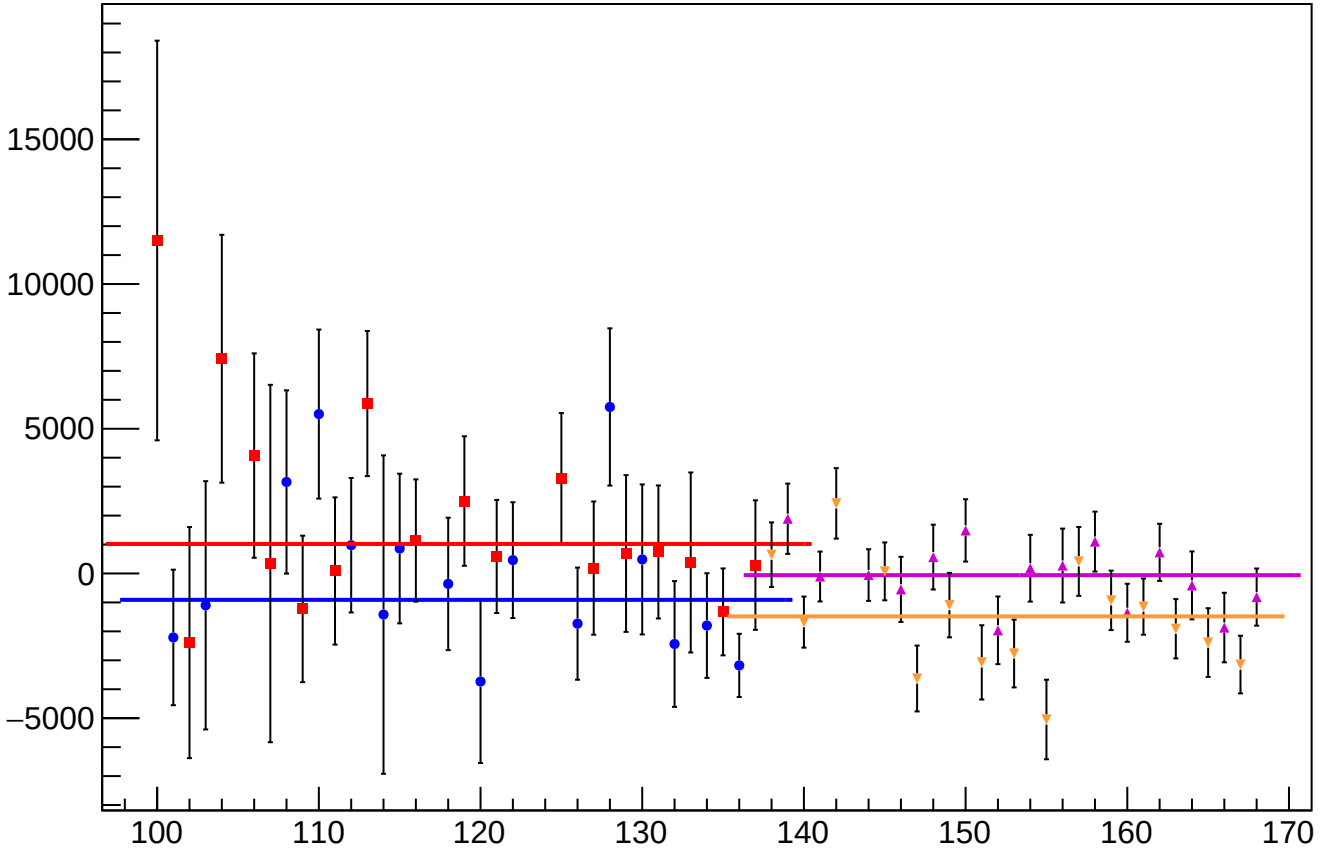
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1778.240+/-0.286 χ^2/NDF:721632.3/30

Out: 1788.430+/-0.291 χ^2/NDF:340760.3/32

All: 1783.244+/-0.204 χ^2/NDF: 1063014.8/63

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1482.097+/-281.830 χ^2/NDF:36.0/14

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -58.031+/-274.916 χ^2/NDF:14.4/14

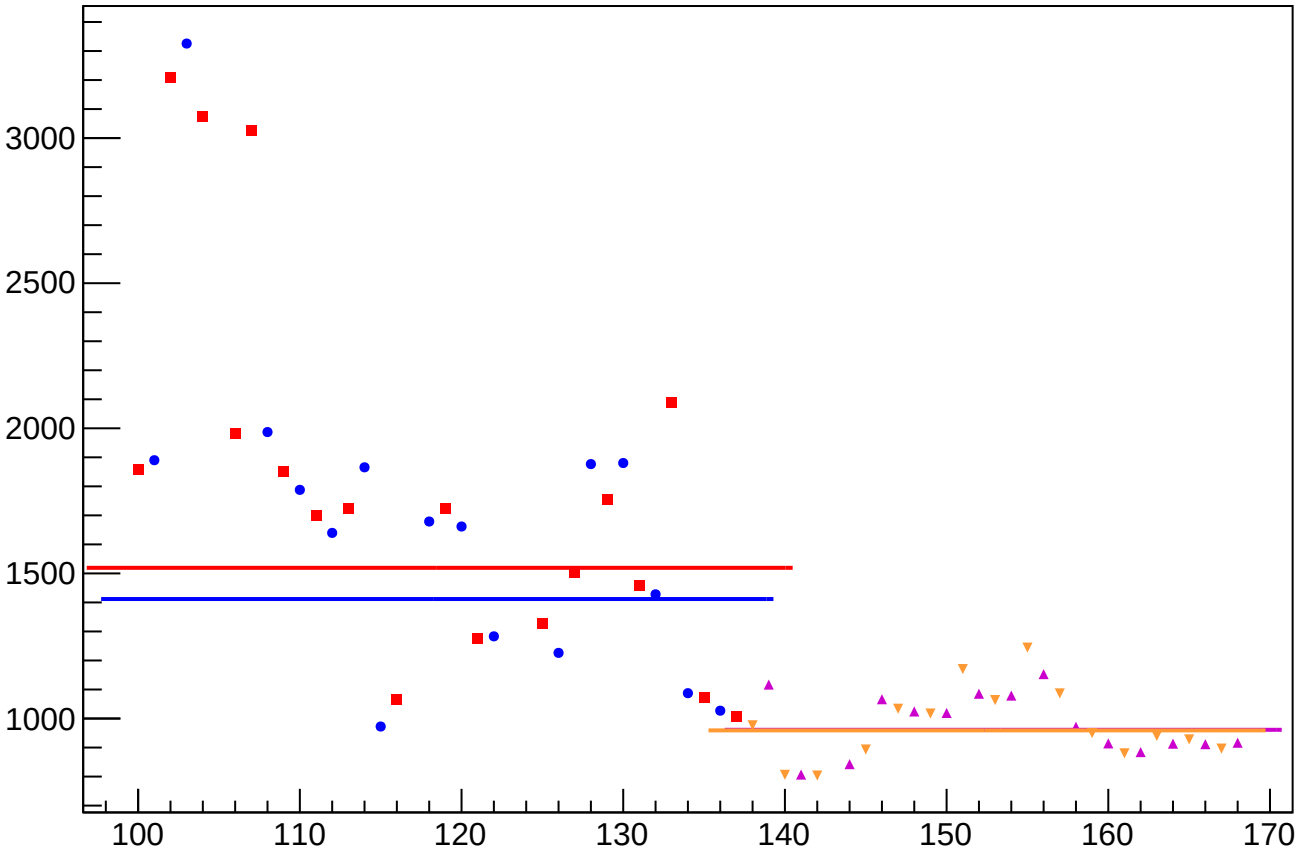
Left: -752.383+/-196.794 χ^2/NDF: 63.5/29

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -228.119+/-245.982 χ^2/NDF:37.3/30

Out: -1019.270+/-254.434 χ^2/NDF:65.5/32

All: -610.336+/-176.848 χ^2/NDF: 107.9/63



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 959.161+/-0.199 χ^2/NDF:318759.9/14

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 961.171+/-0.194 χ^2/NDF:278153.6/14

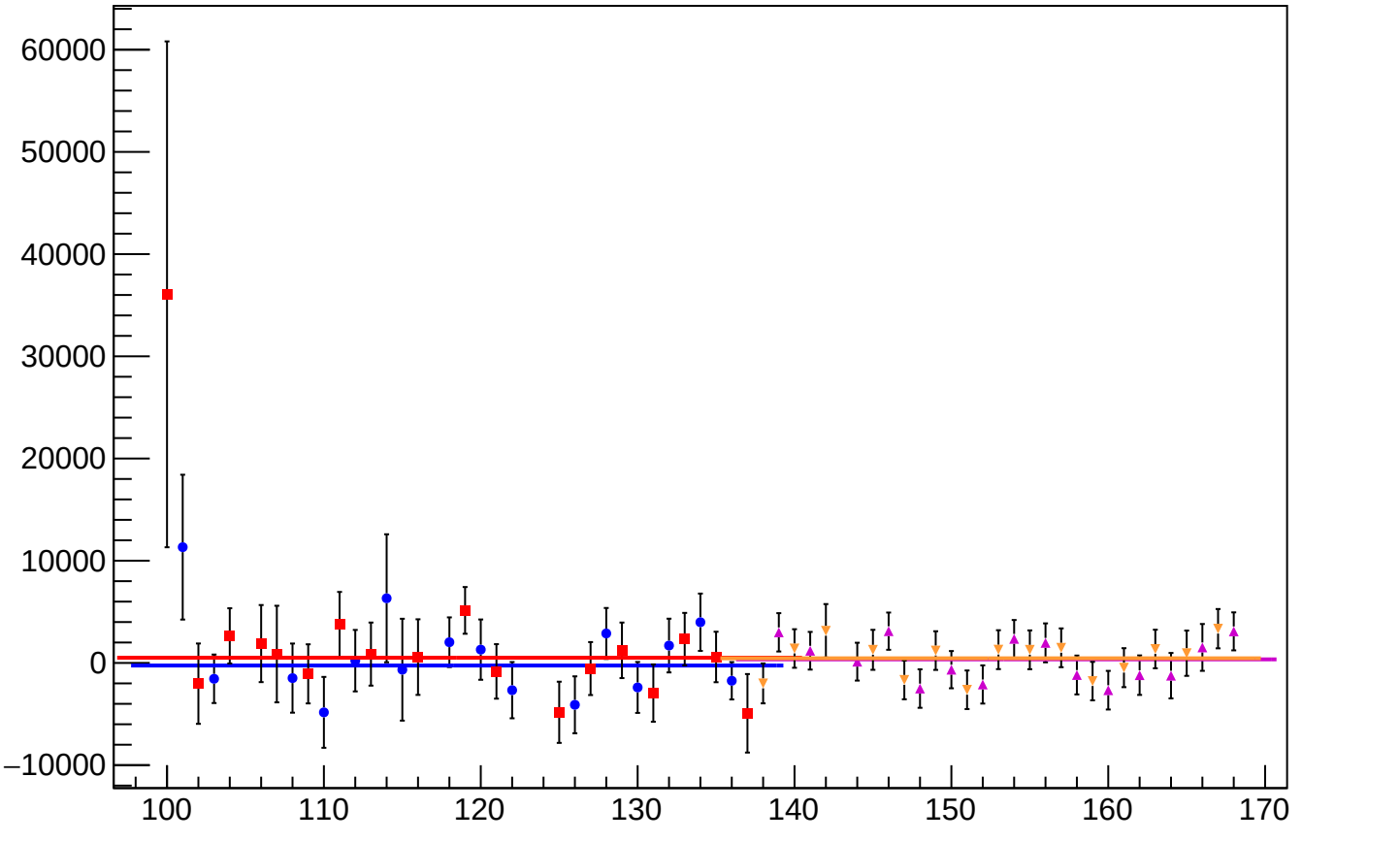
Left: 960.191+/-0.139 χ^2/NDF: 596965.6/29

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1051.024+/-0.174 χ^2/NDF:2527243.4/30

Out: 1062.769+/-0.180 χ^2/NDF:3140234.7/32

All: 1056.698+/-0.125 χ^2/NDF: 5669681.0/63



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 454.564+/-504.214 χ^2/NDF:12.0/14

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 350.137+/-492.810 χ^2/NDF:17.5/14

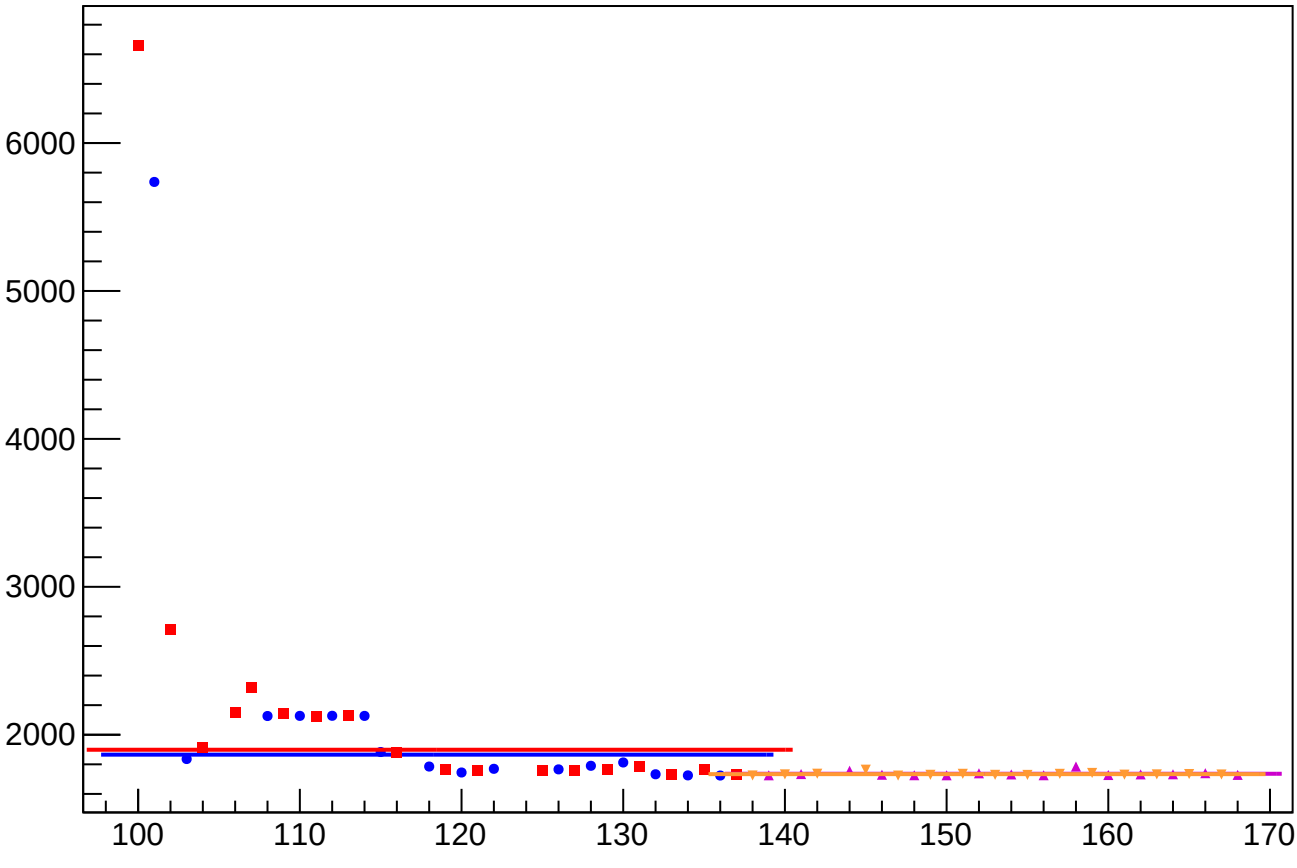
Left: 401.156+/-352.432 χ^2/NDF: 29.6/29

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

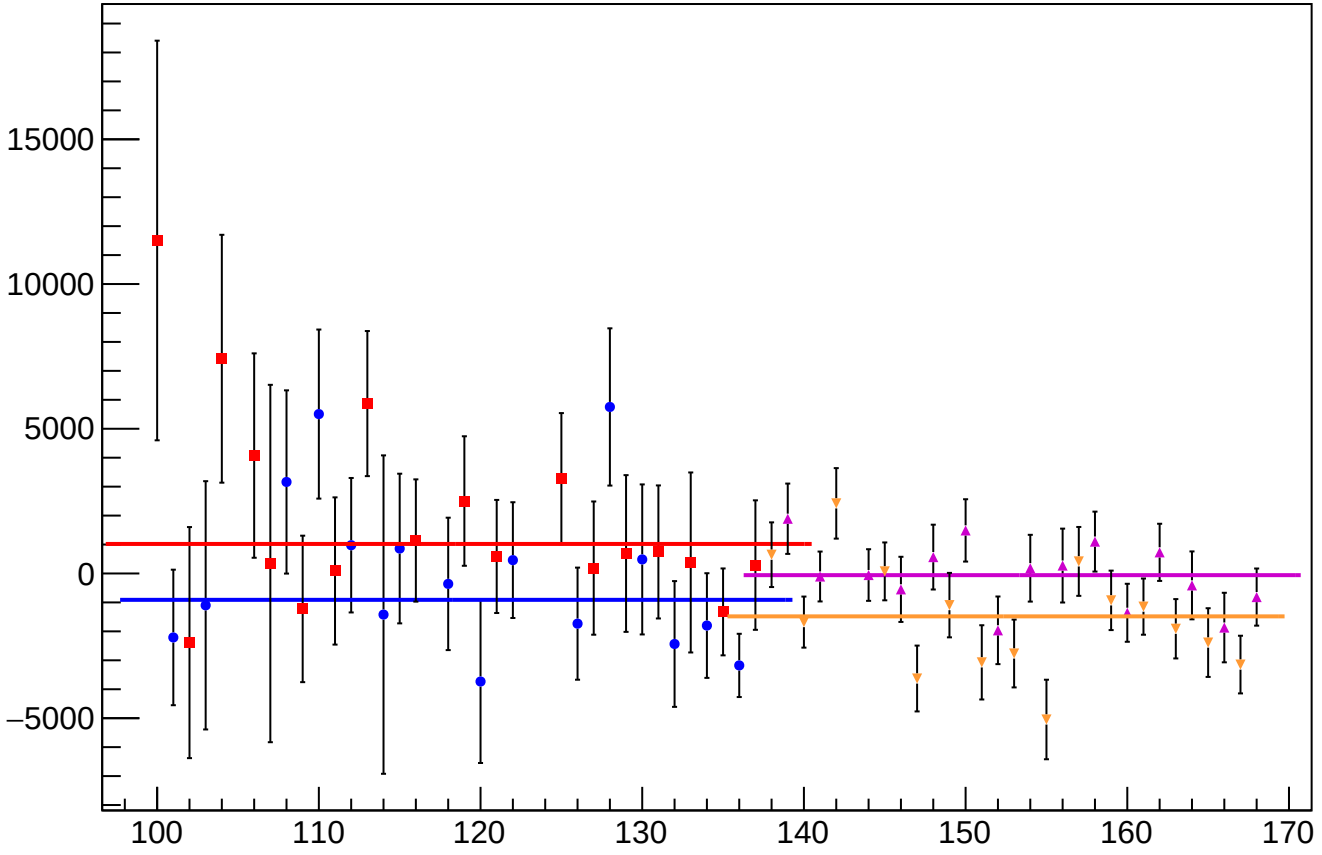
In: 154.344+/-404.840 χ^2/NDF:33.7/30

Out: 472.999+/-412.144 χ^2/NDF:28.4/32

All: 310.823+/-288.813 χ^2/NDF: 62.4/63


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1733.708+/-0.357 χ²/NDF:665.4/14
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1736.226+/-0.348 χ²/NDF:1936.2/14
Left: 1734.996+/-0.249 χ²/NDF: 2627.1/29
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1778.240+/-0.286 χ²/NDF:721632.3/30
Out: 1788.430+/-0.291 χ²/NDF:340760.1/32
All: 1783.244+/-0.204 χ²/NDF: 1063014.5/63

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: -1482.094+/-281.830 χ^2/NDF:36.0/14

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -58.034+/-274.916 χ^2/NDF:14.4/14

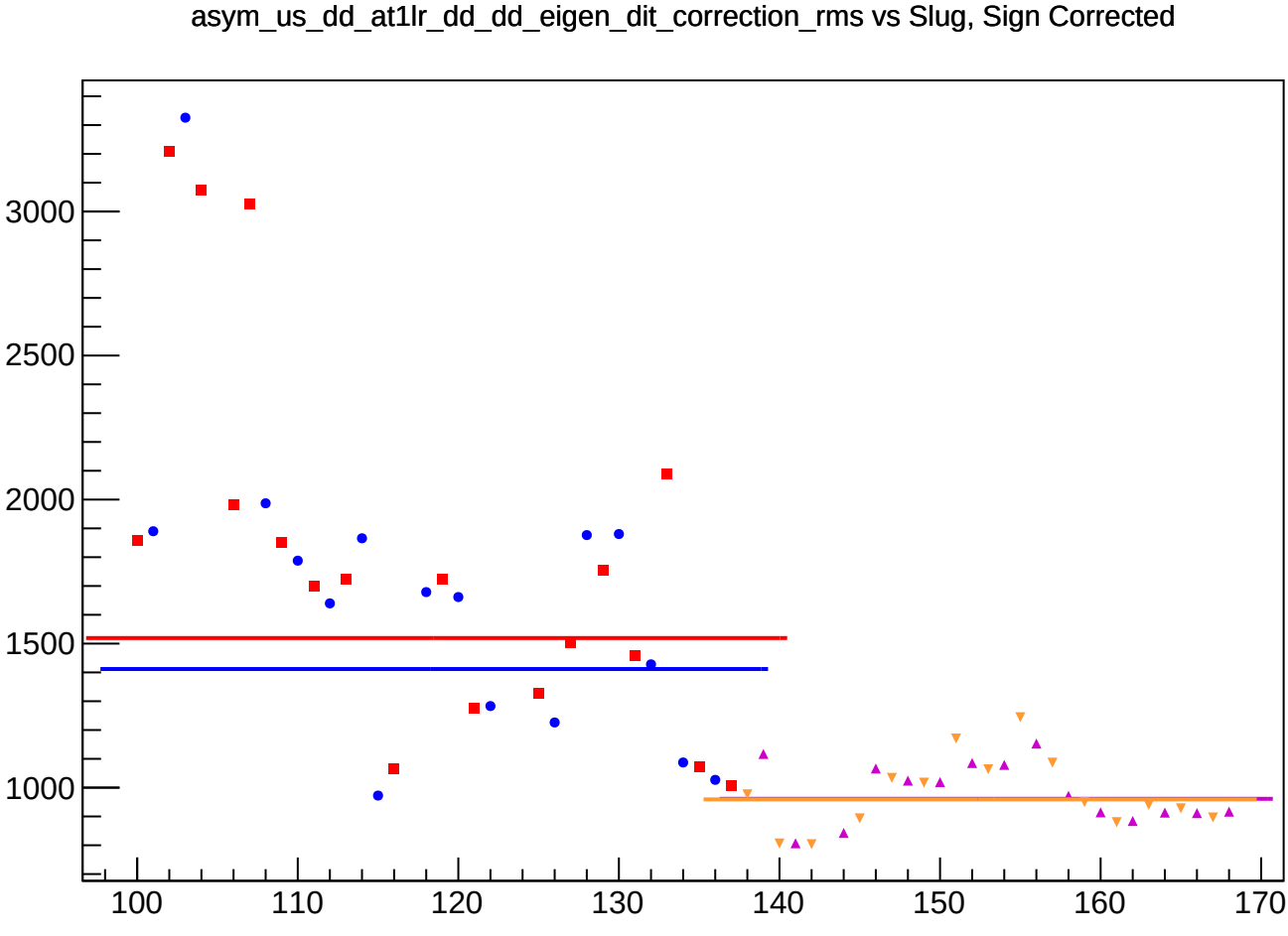
Left: -752.383+/-196.794 χ^2/NDF: 63.5/29

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -228.120+/-245.982 χ^2/NDF:37.3/30

Out: -1019.267+/-254.434 χ^2/NDF:65.5/32

All: -610.336+/-176.848 χ^2/NDF: 107.9/63



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 959.161+/-0.199 χ^2/NDF:318769.1/14

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 961.171+/-0.194 χ^2/NDF:278161.8/14

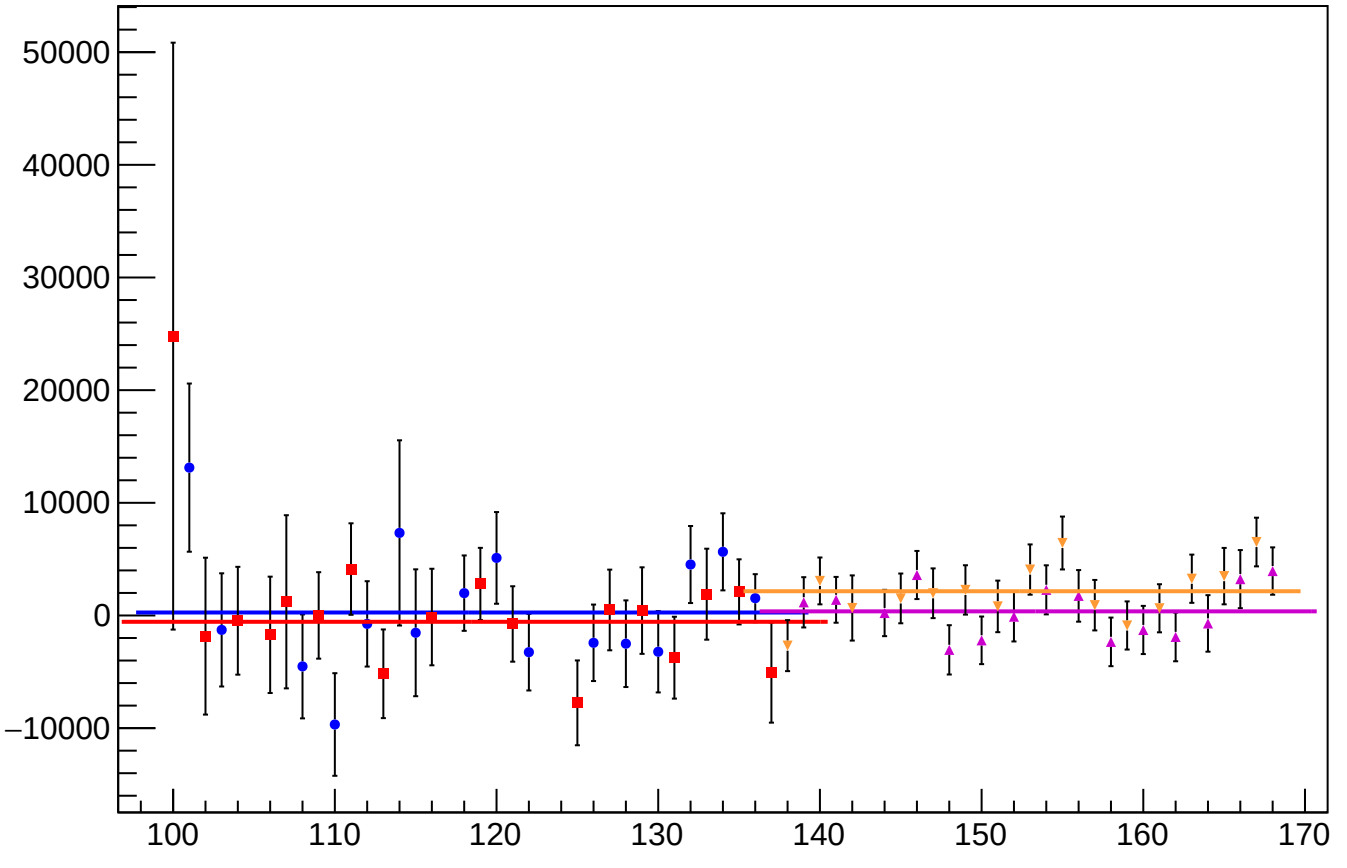
Left: 960.191+/-0.139 χ^2/NDF: 596983.1/29

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1051.023+/-0.174 χ^2/NDF:2527241.2/30

Out: 1062.768+/-0.180 χ^2/NDF:3140240.9/32

All: 1056.698+/-0.125 χ^2/NDF: 5669685.0/63



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2152.161+/-580.499 χ^2/NDF:17.0/14

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 365.405+/-565.891 χ^2/NDF:15.4/14

Left: 1236.019+/-405.211 χ^2/NDF: 37.2/29

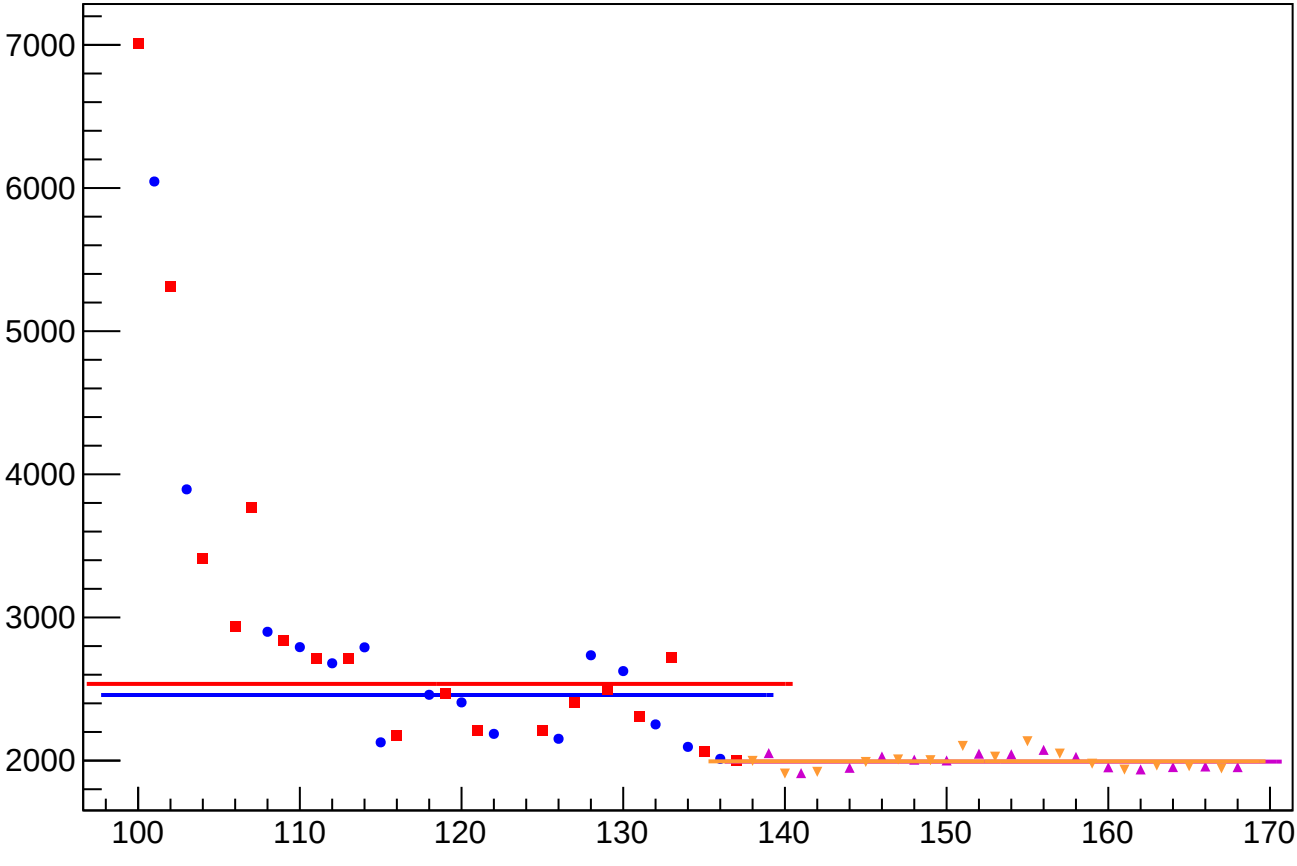
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 338.615+/-485.088 χ^2/NDF:34.4/30

Out: 1428.986+/-497.150 χ^2/NDF:34.6/32

All: 870.412+/-347.195 χ^2/NDF: 71.4/63

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1994.778+/-0.410 χ^2/NDF:21285.4/14

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1992.909+/-0.400 χ^2/NDF:14925.1/14

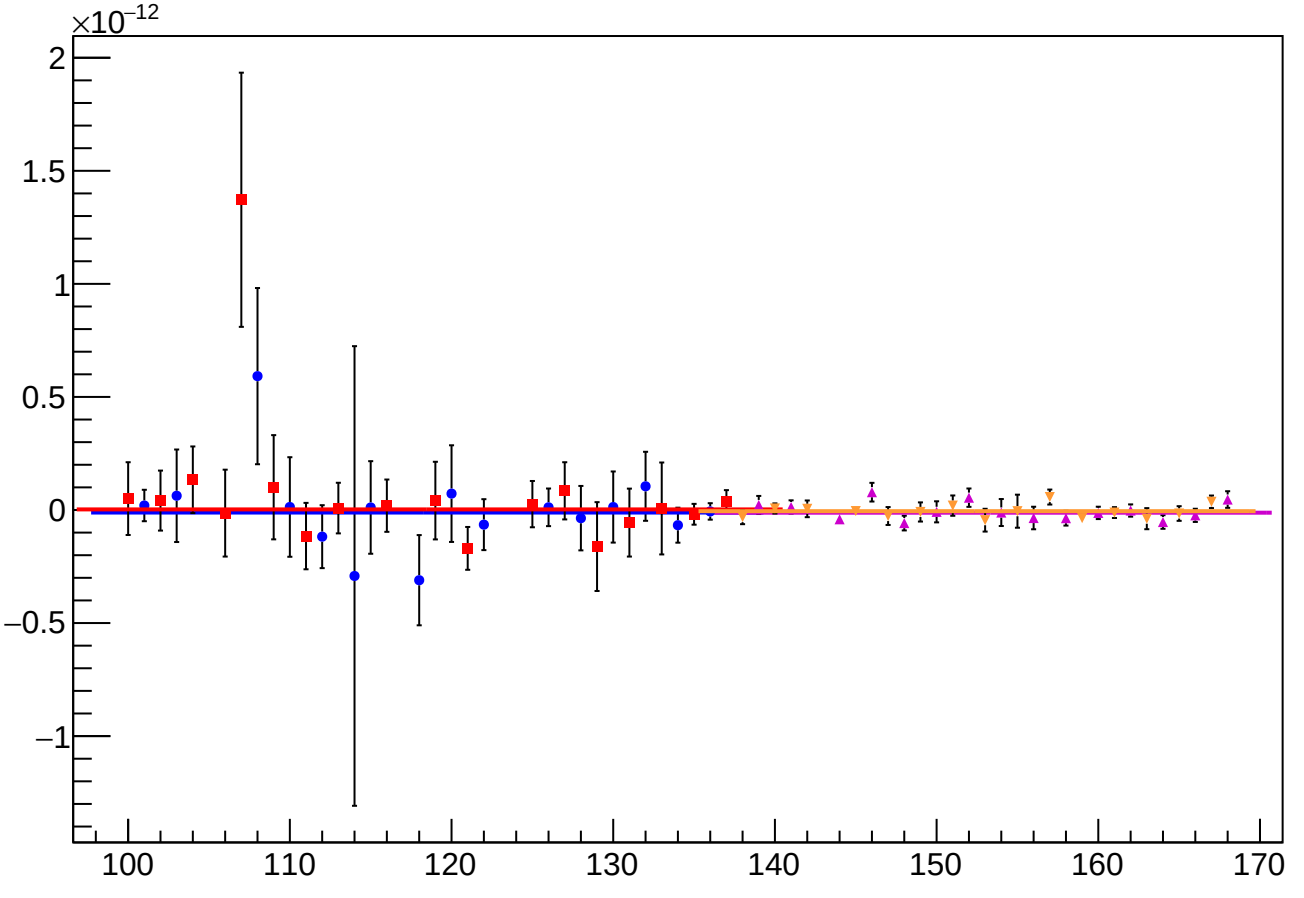
Left: 1993.820+/-0.287 χ^2/NDF: 36221.1/29

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2116.335+/-0.343 χ^2/NDF:1206584.4/30

Out: 2138.982+/-0.352 χ^2/NDF:1157648.7/32

All: 2127.380+/-0.246 χ^2/NDF: 2366359.2/63



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:18.3/14

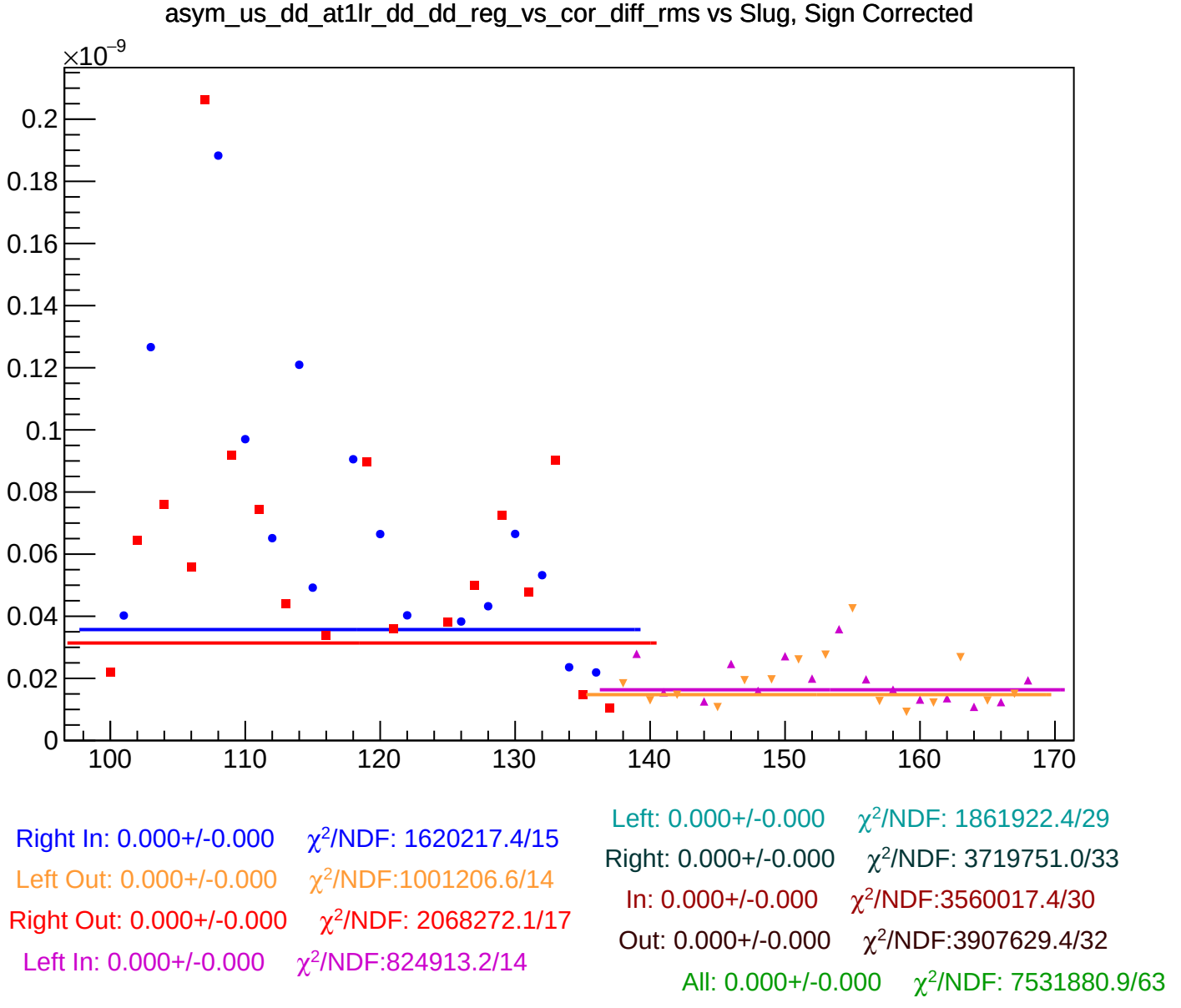
Left: -0.000+/-0.000 χ^2/NDF: 29.3/29

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

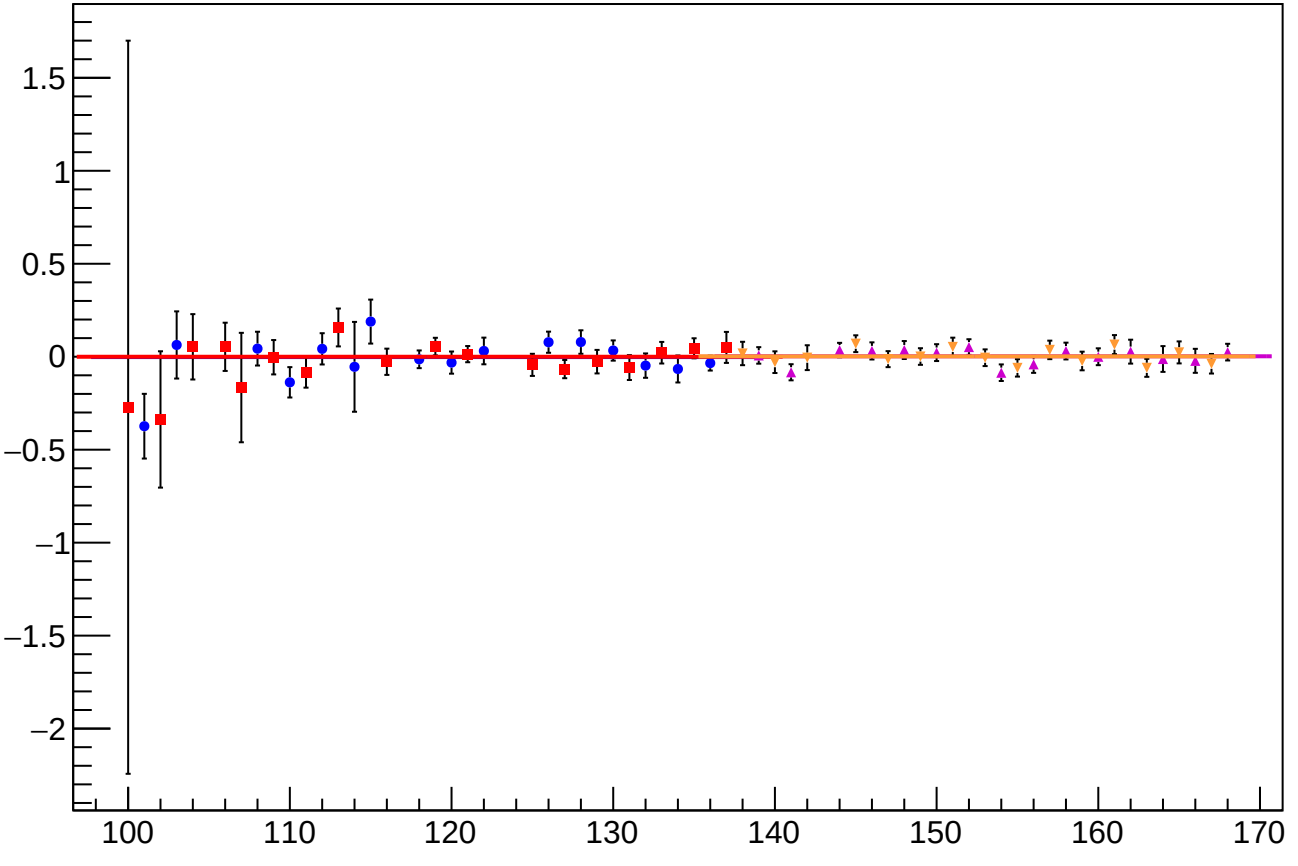
In: -0.000+/-0.000 χ^2/NDF:25.6/30

Out: -0.000+/-0.000 χ^2/NDF:24.0/32

All: -0.000+/-0.000 χ^2/NDF: 50.0/63


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1001206.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:824913.2/14
Left: 0.000+/-0.000 χ²/NDF: 1861922.4/29
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3560017.4/30
Out: 0.000+/-0.000 χ²/NDF:3907629.4/32
All: 0.000+/-0.000 χ²/NDF: 7531880.9/63

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: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:12.9/14

Left: 0.002+/-0.009 χ^2/NDF: 23.1/29

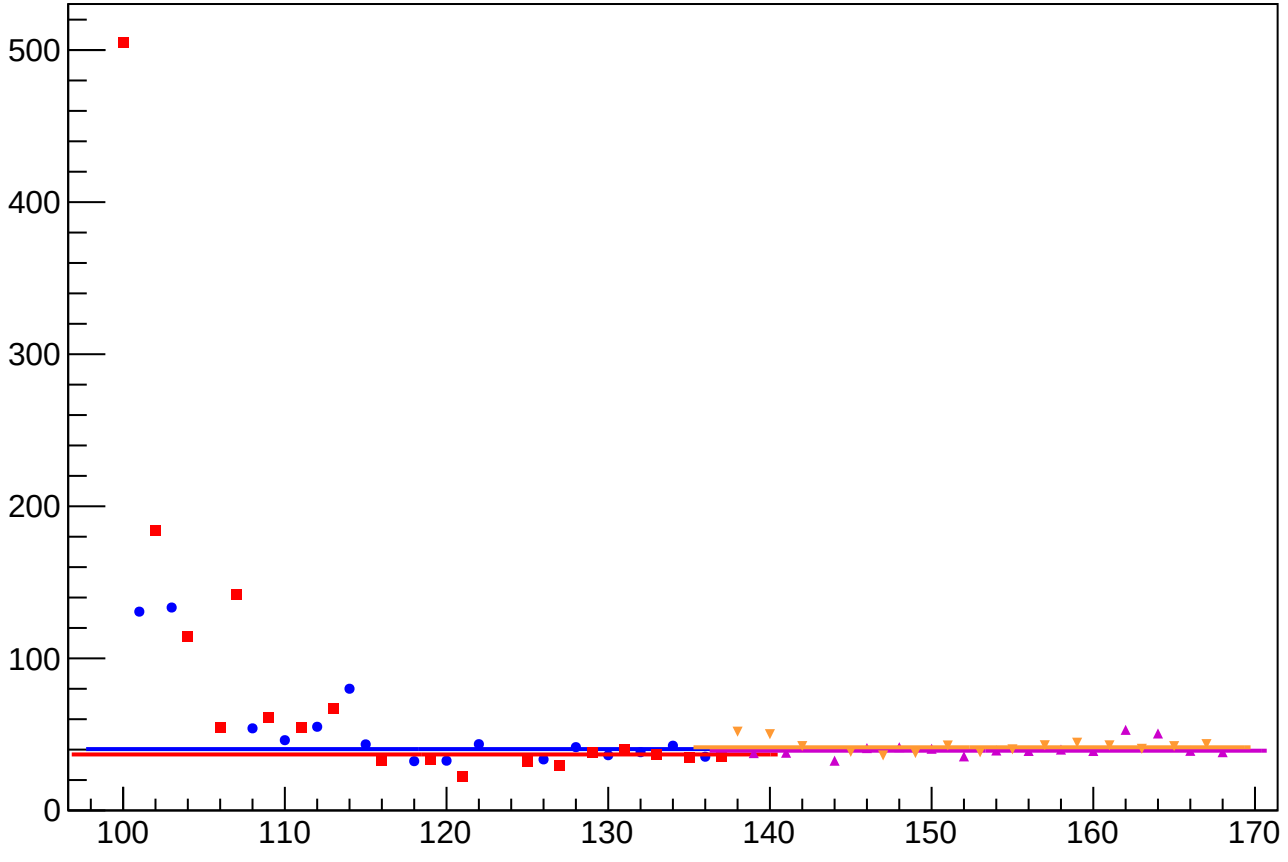
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:30.1/30

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.001+/-0.007 χ^2/NDF: 51.2/63

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: 41.530+/-0.009 χ^2/NDF:179007.2/14

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.289+/-0.009 χ^2/NDF:232240.5/14

Left: 40.333+/-0.006 χ^2/NDF: 443011.9/29

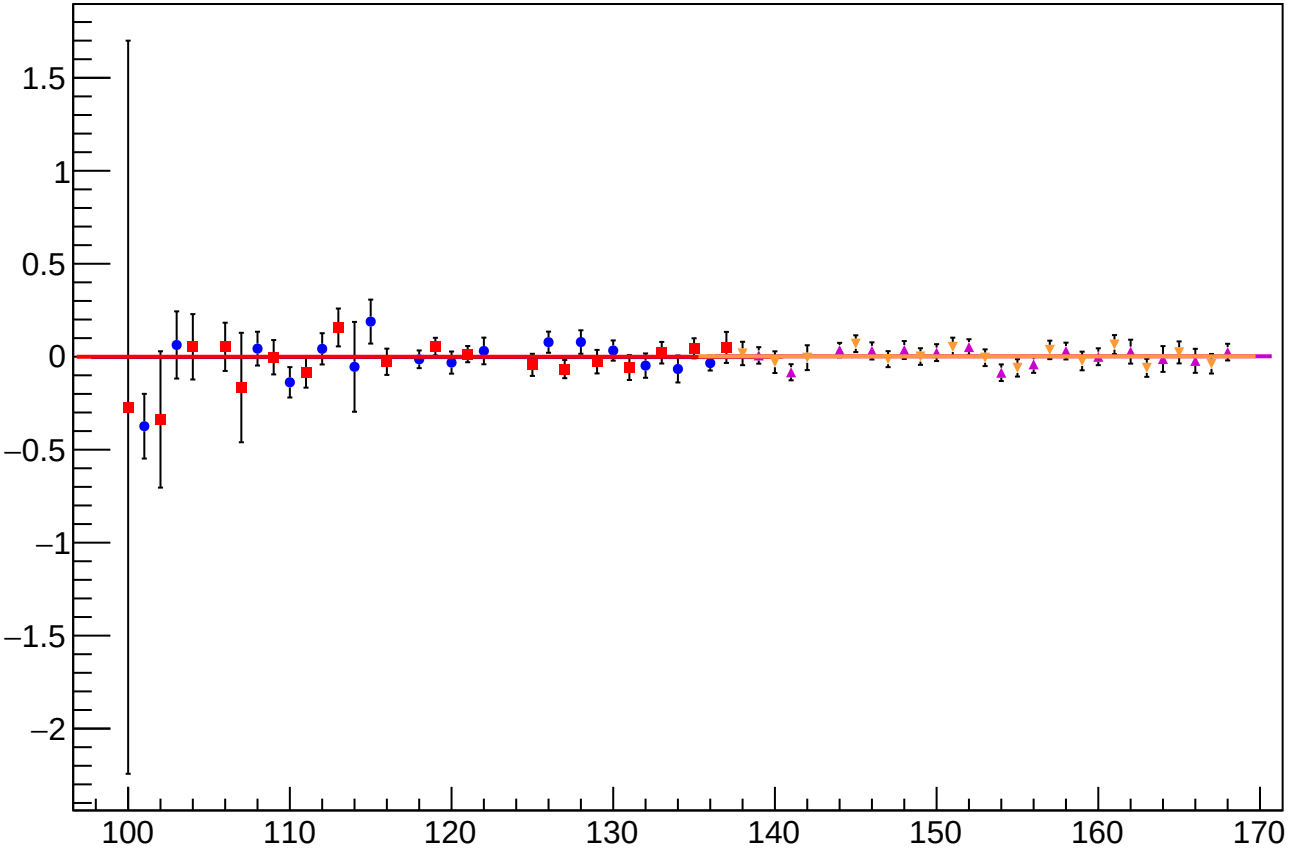
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.646+/-0.007 χ^2/NDF:1647520.0/30

Out: 39.750+/-0.007 χ^2/NDF:2115251.6/32

All: 39.696+/-0.005 χ^2/NDF: 3762879.5/63

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: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:12.9/14

Left: 0.002+/-0.009 χ^2/NDF: 23.1/29

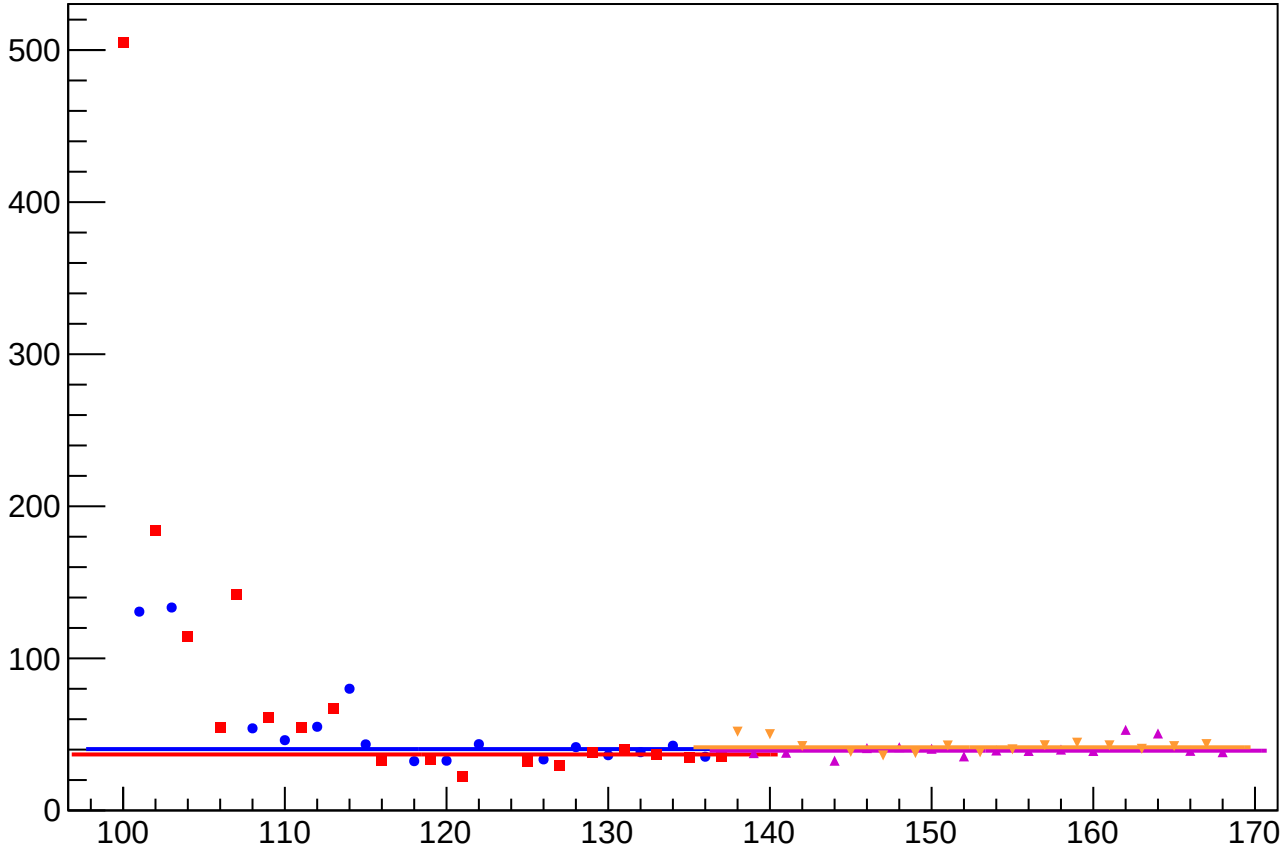
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:30.1/30

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.001+/-0.007 χ^2/NDF: 51.2/63

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: 41.530+/-0.009 χ^2/NDF:179007.2/14

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.289+/-0.009 χ^2/NDF:232240.5/14

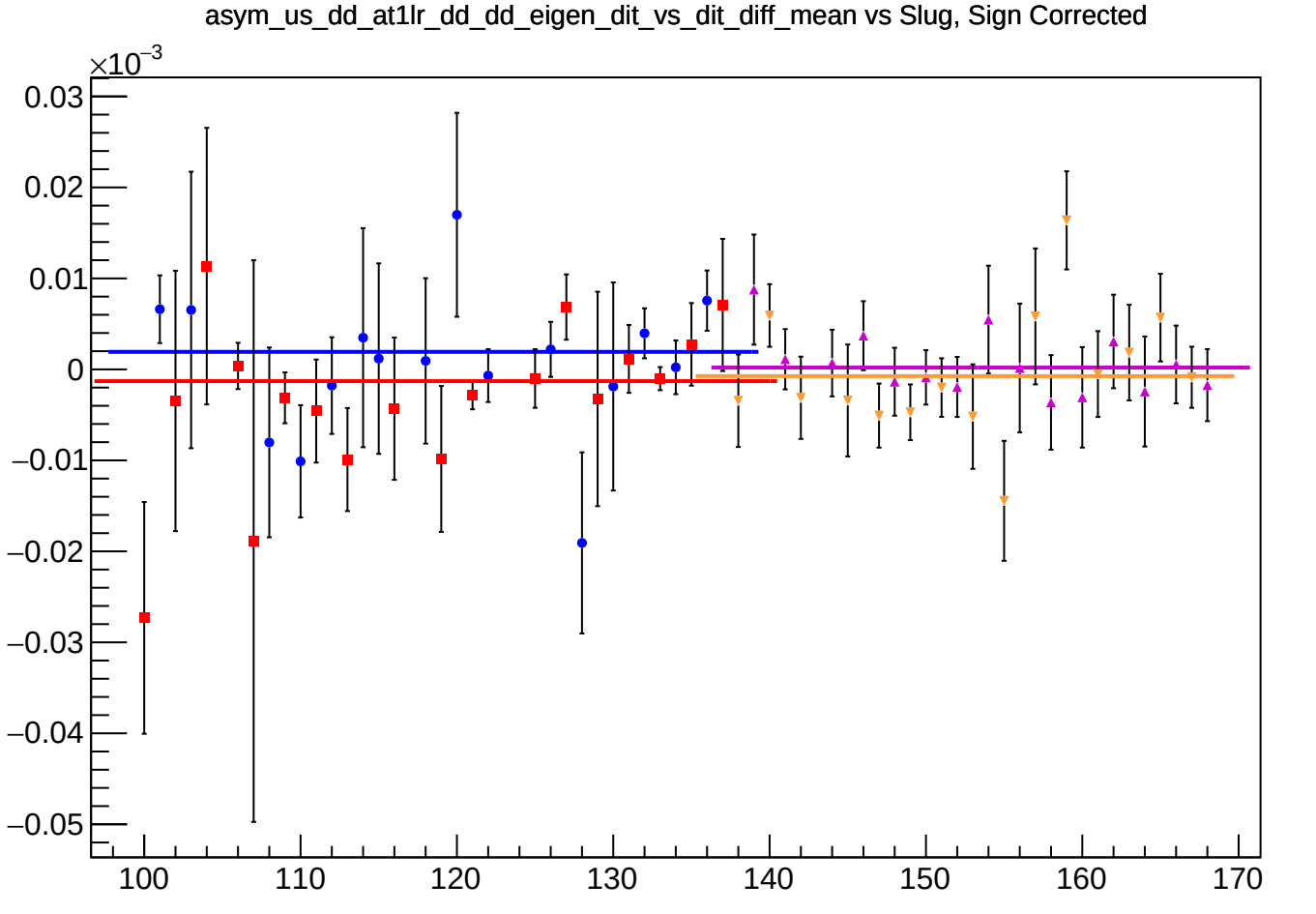
Left: 40.333+/-0.006 χ^2/NDF: 443011.9/29

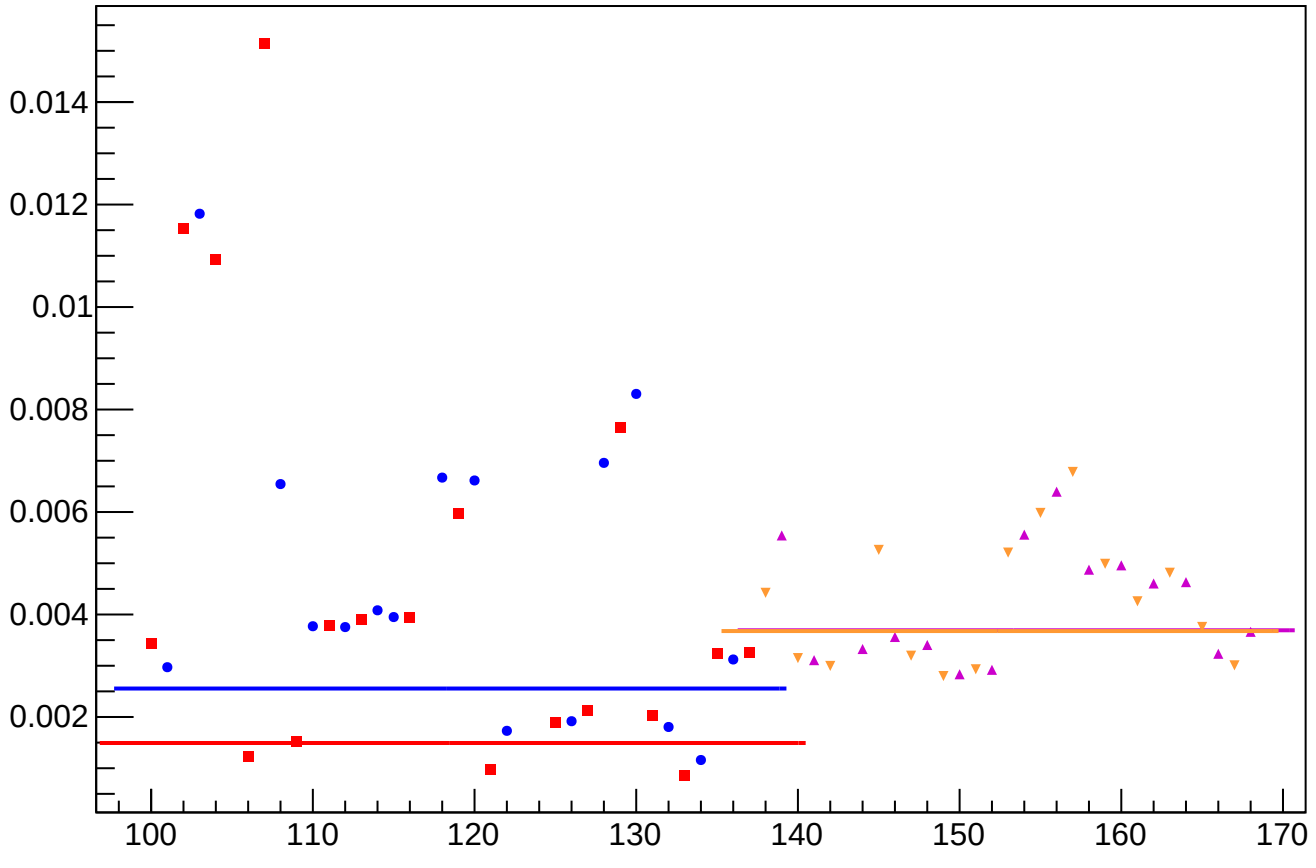
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.646+/-0.007 χ^2/NDF:1647520.0/30

Out: 39.750+/-0.007 χ^2/NDF:2115251.6/32

All: 39.696+/-0.005 χ^2/NDF: 3762879.5/63


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:25.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:6.1/14
Left: -0.000+/-0.000 χ²/NDF: 32.1/29
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:25.2/30
Out: -0.000+/-0.000 χ²/NDF:44.7/32
All: -0.000+/-0.000 χ²/NDF: 74.4/63



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1632301.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1390907.0/14

Left: 0.004+/-0.000 χ^2/NDF: 3023394.4/29

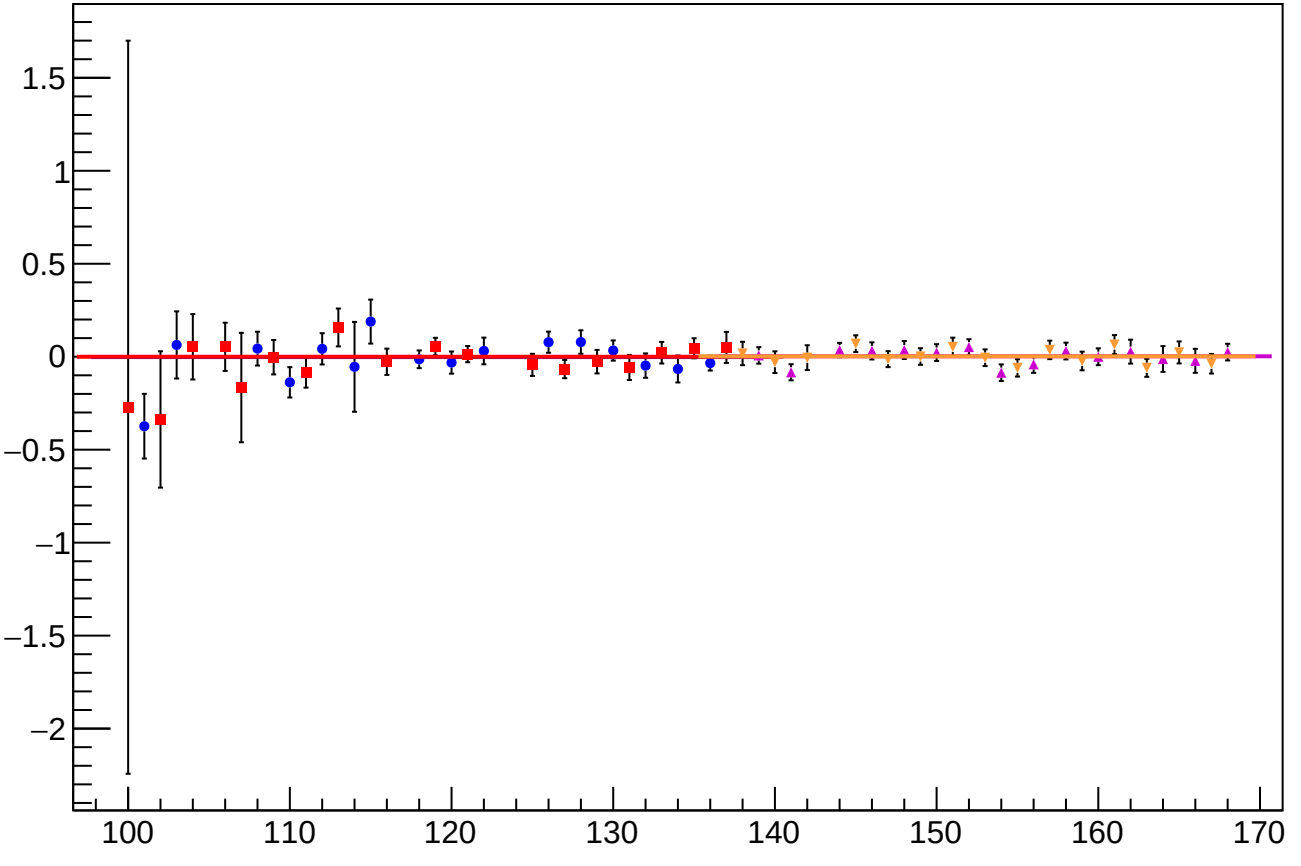
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6209200.8/30

Out: 0.002+/-0.000 χ^2/NDF:12457120.7/32

All: 0.003+/-0.000 χ^2/NDF: 20550521.8/63

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: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:12.9/14

Left: 0.002+/-0.009 χ^2/NDF: 23.1/29

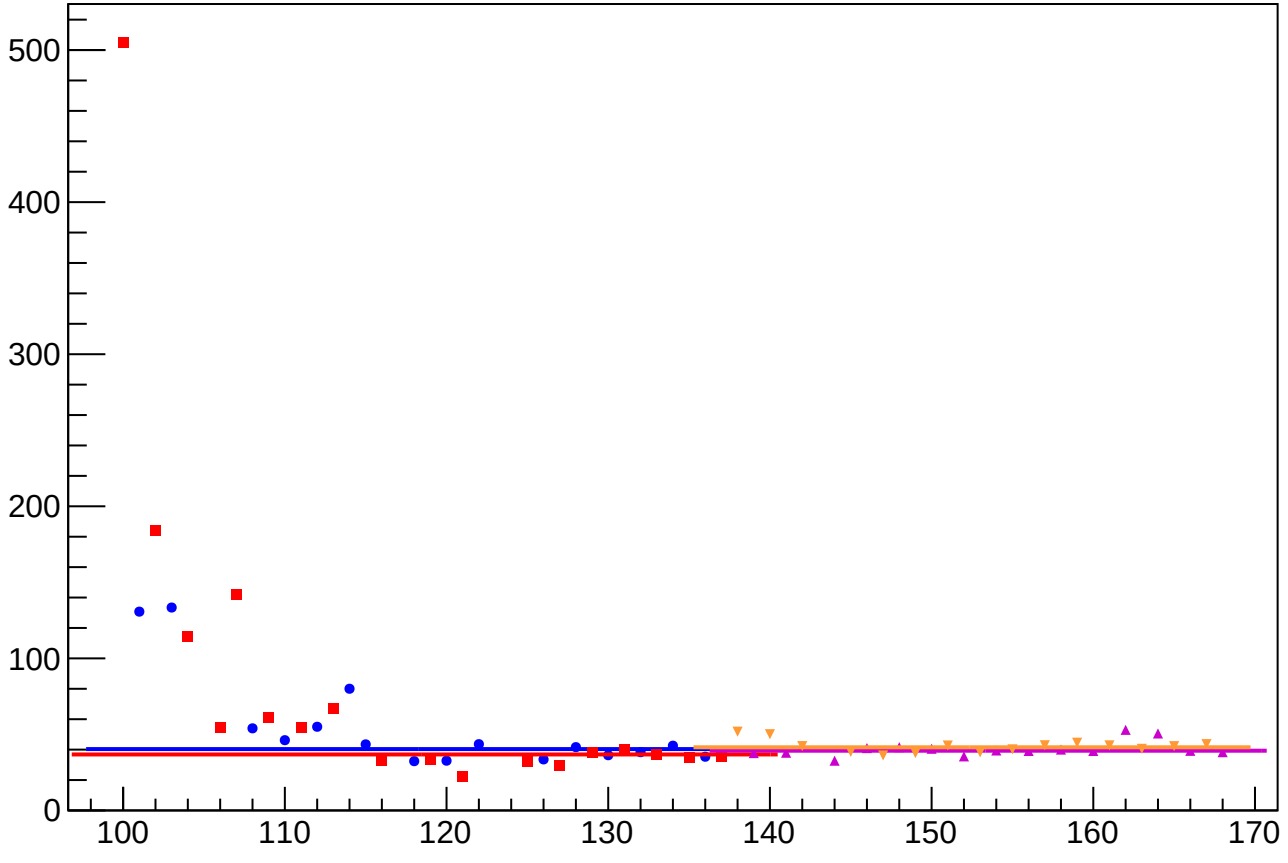
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:30.1/30

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.001+/-0.007 χ^2/NDF: 51.2/63

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: 41.530+/-0.009 χ^2/NDF:179007.0/14

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.289+/-0.009 χ^2/NDF:232211.0/14

Left: 40.332+/-0.006 χ^2/NDF: 442981.7/29

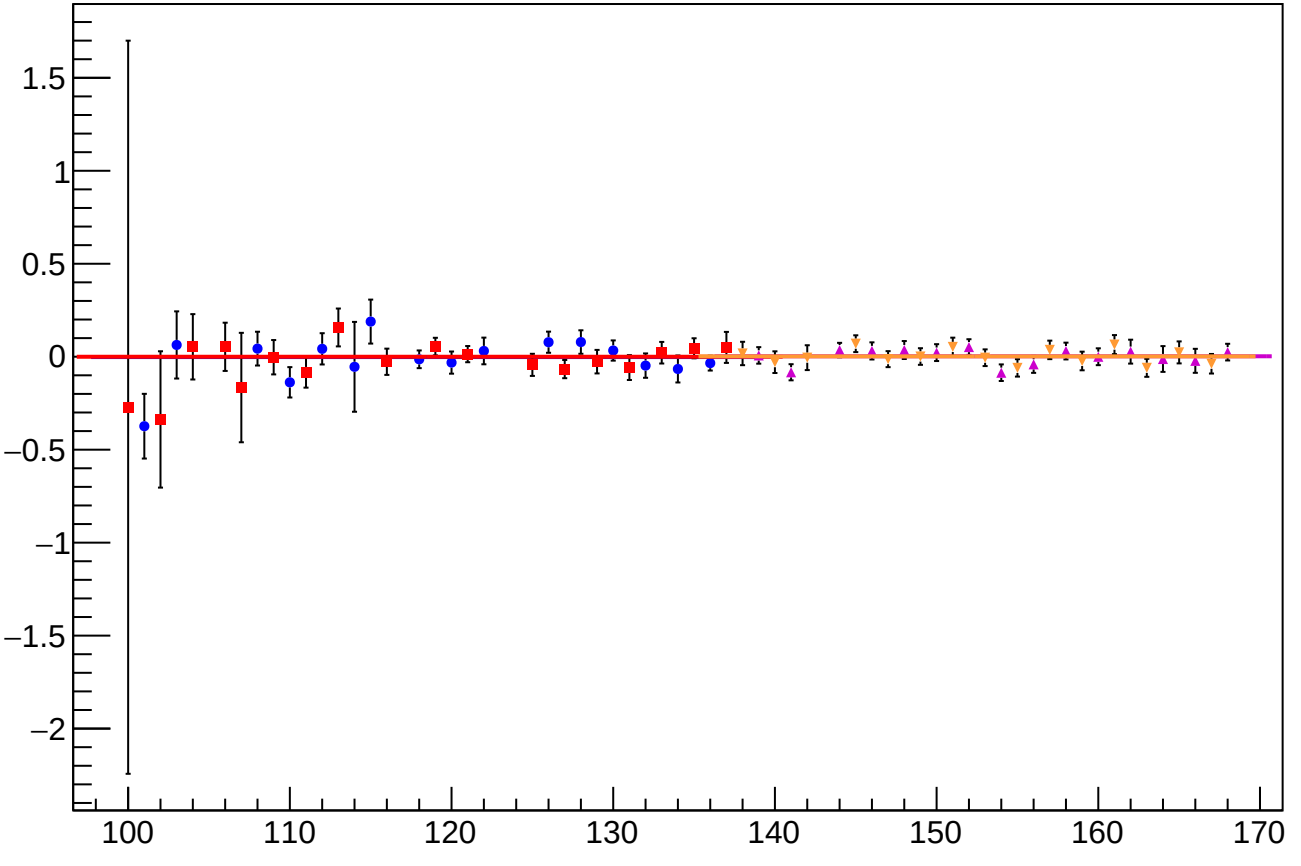
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.646+/-0.007 χ^2/NDF:1647395.9/30

Out: 39.750+/-0.007 χ^2/NDF:2115281.1/32

All: 39.696+/-0.005 χ^2/NDF: 3762783.7/63

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: 0.002+/-0.013 χ^2/NDF:10.2/14

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:12.9/14

Left: 0.002+/-0.009 χ^2/NDF: 23.1/29

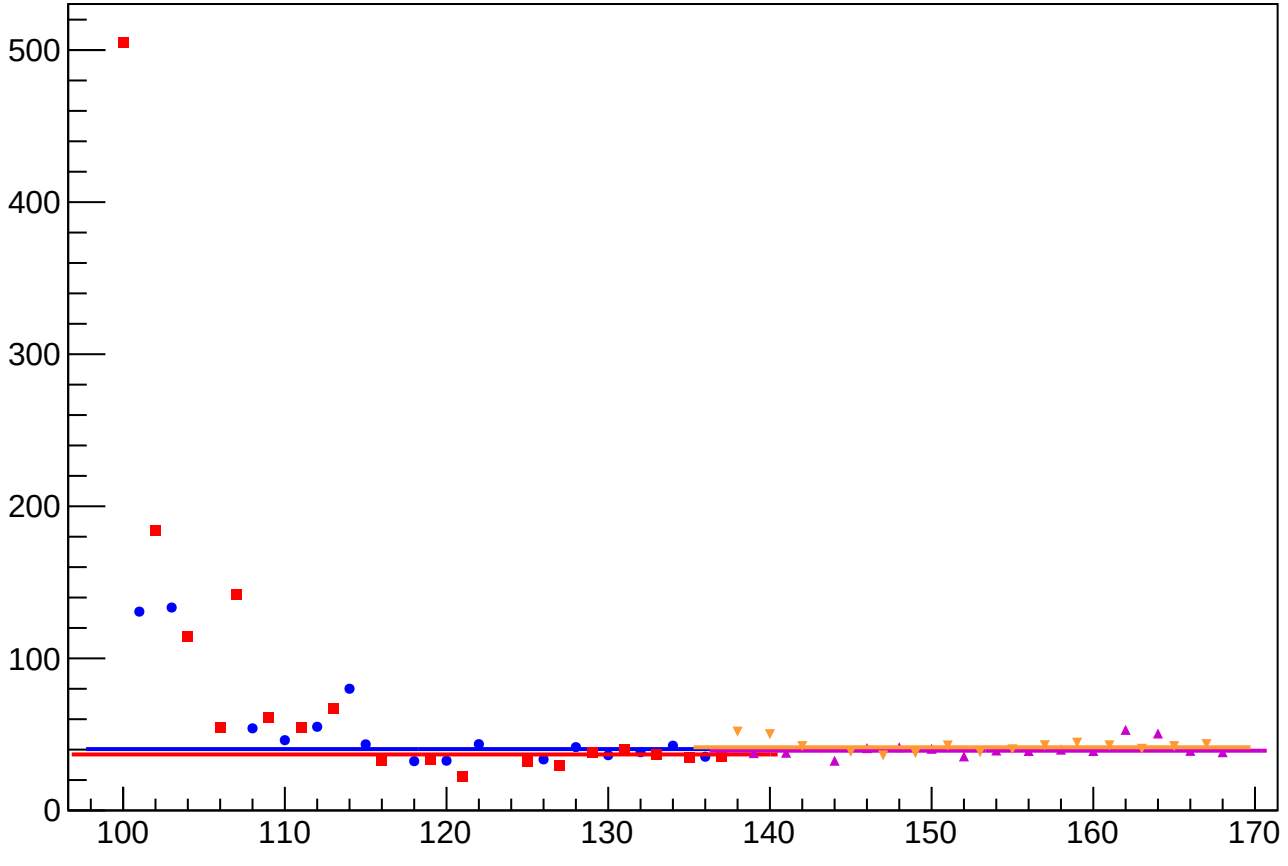
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:30.1/30

Out: 0.001+/-0.010 χ^2/NDF:21.1/32

All: 0.001+/-0.007 χ^2/NDF: 51.2/63

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: 41.530+/-0.009 χ^2/NDF:179007.0/14

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.289+/-0.009 χ^2/NDF:232211.0/14

Left: 40.332+/-0.006 χ^2/NDF: 442981.7/29

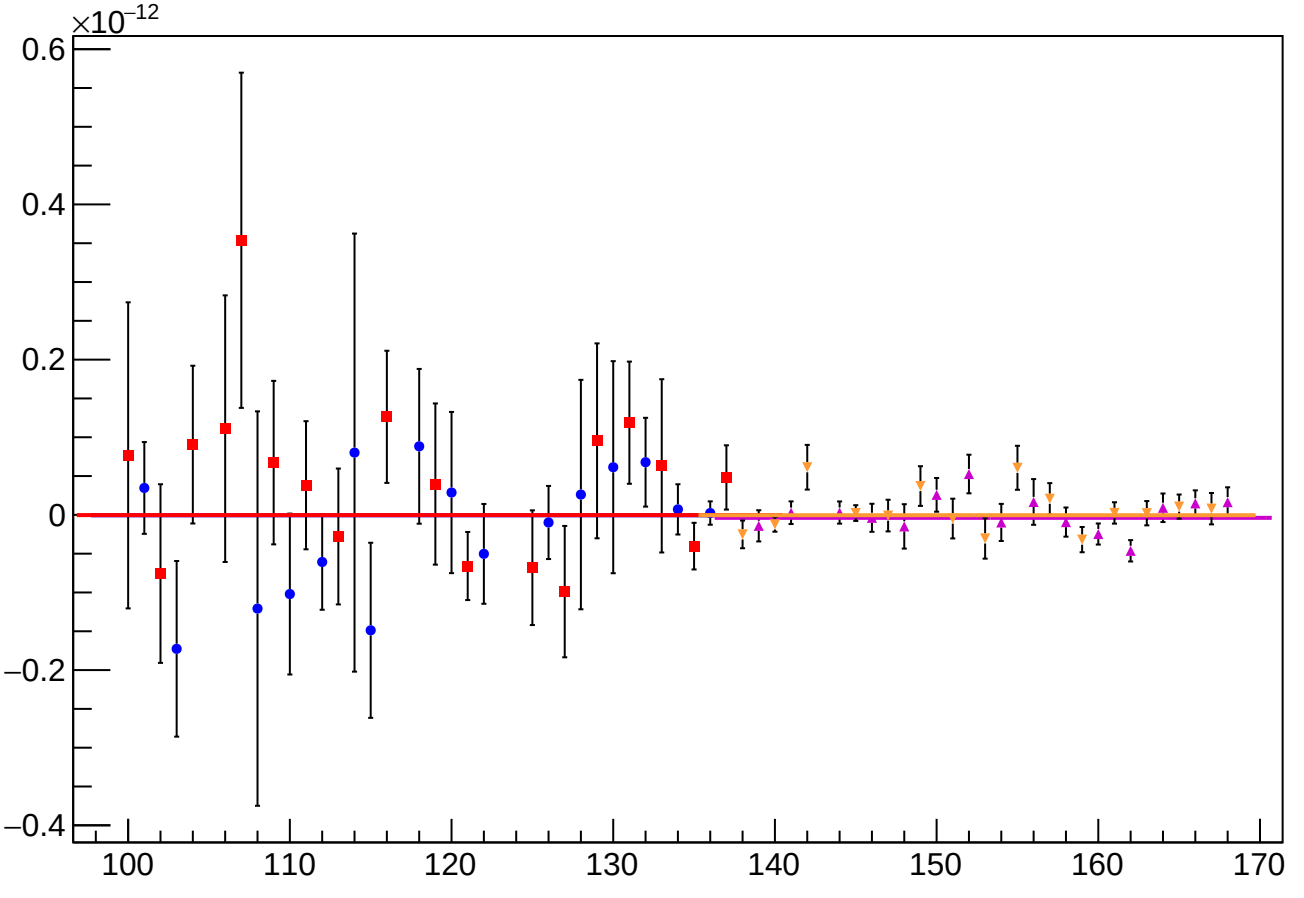
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.646+/-0.007 χ^2/NDF:1647395.9/30

Out: 39.750+/-0.007 χ^2/NDF:2115281.1/32

All: 39.696+/-0.005 χ^2/NDF: 3762783.7/63

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:23.2/14

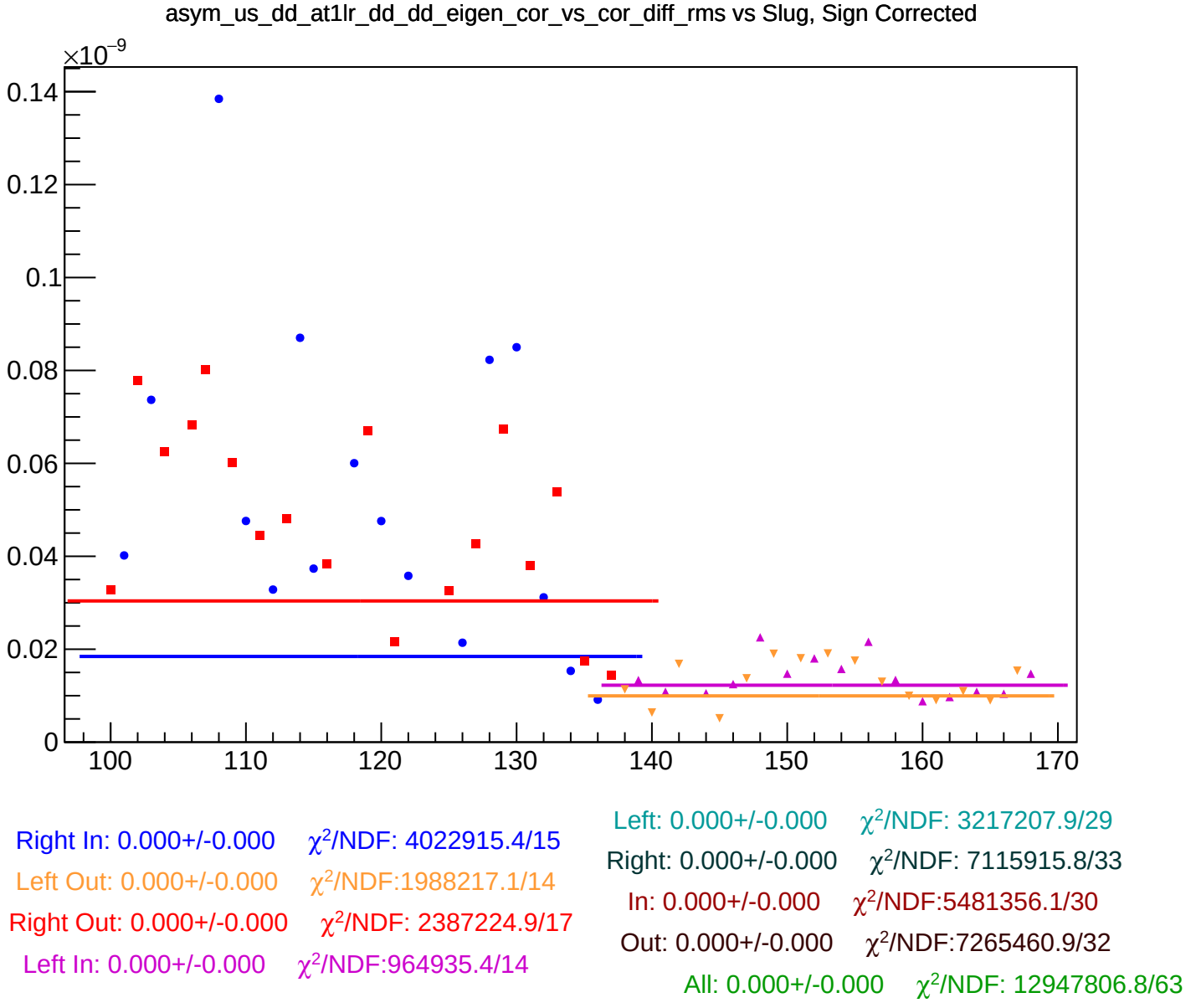
Left: -0.000+/-0.000 χ^2/NDF: 45.4/29

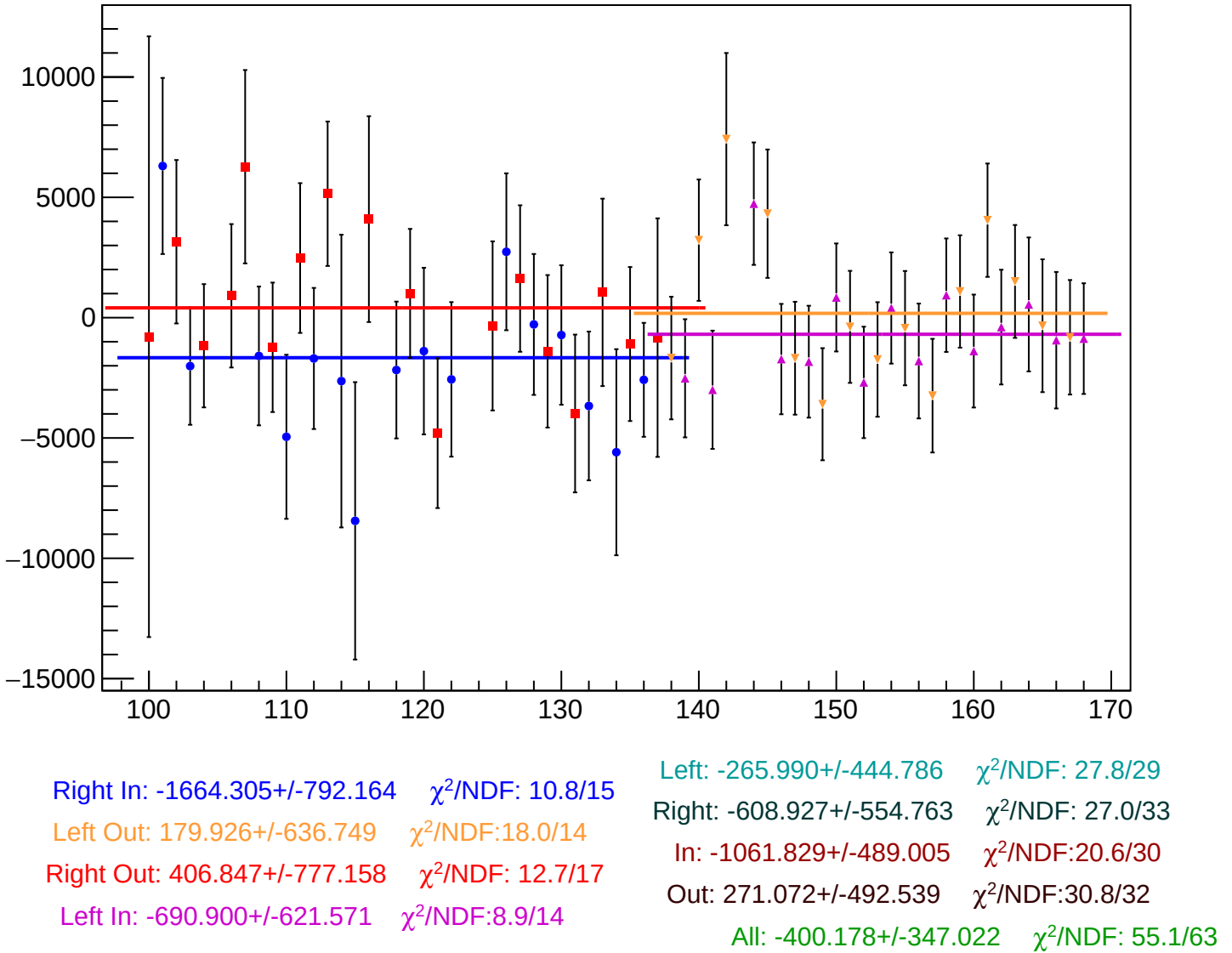
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

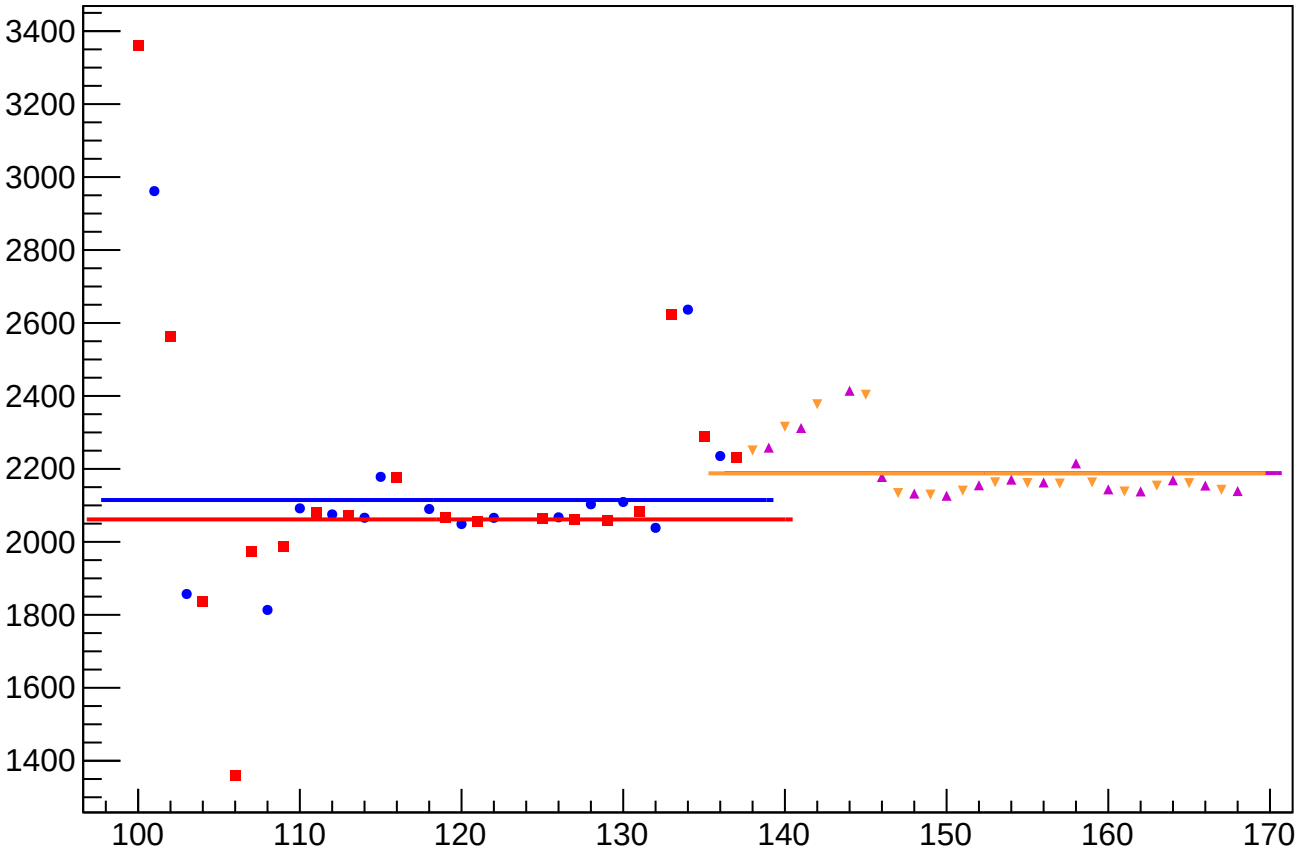
In: -0.000+/-0.000 χ^2/NDF:33.2/30

Out: -0.000+/-0.000 χ^2/NDF:40.3/32

All: -0.000+/-0.000 χ^2/NDF: 73.7/63


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1988217.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:964935.4/14
Left: 0.000+/-0.000 χ²/NDF: 3217207.9/29
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:5481356.1/30
Out: 0.000+/-0.000 χ²/NDF:7265460.9/32
All: 0.000+/-0.000 χ²/NDF: 12947806.8/63


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: 179.926+/-636.749 χ²/NDF:18.0/14
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -690.900+/-621.571 χ²/NDF:8.9/14
Left: -265.990+/-444.786 χ²/NDF: 27.8/29
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1061.829+/-489.005 χ²/NDF:20.6/30
Out: 271.072+/-492.539 χ²/NDF:30.8/32
All: -400.178+/-347.022 χ²/NDF: 55.1/63



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2188.575+/-0.440 χ^2/NDF:29095.2/14

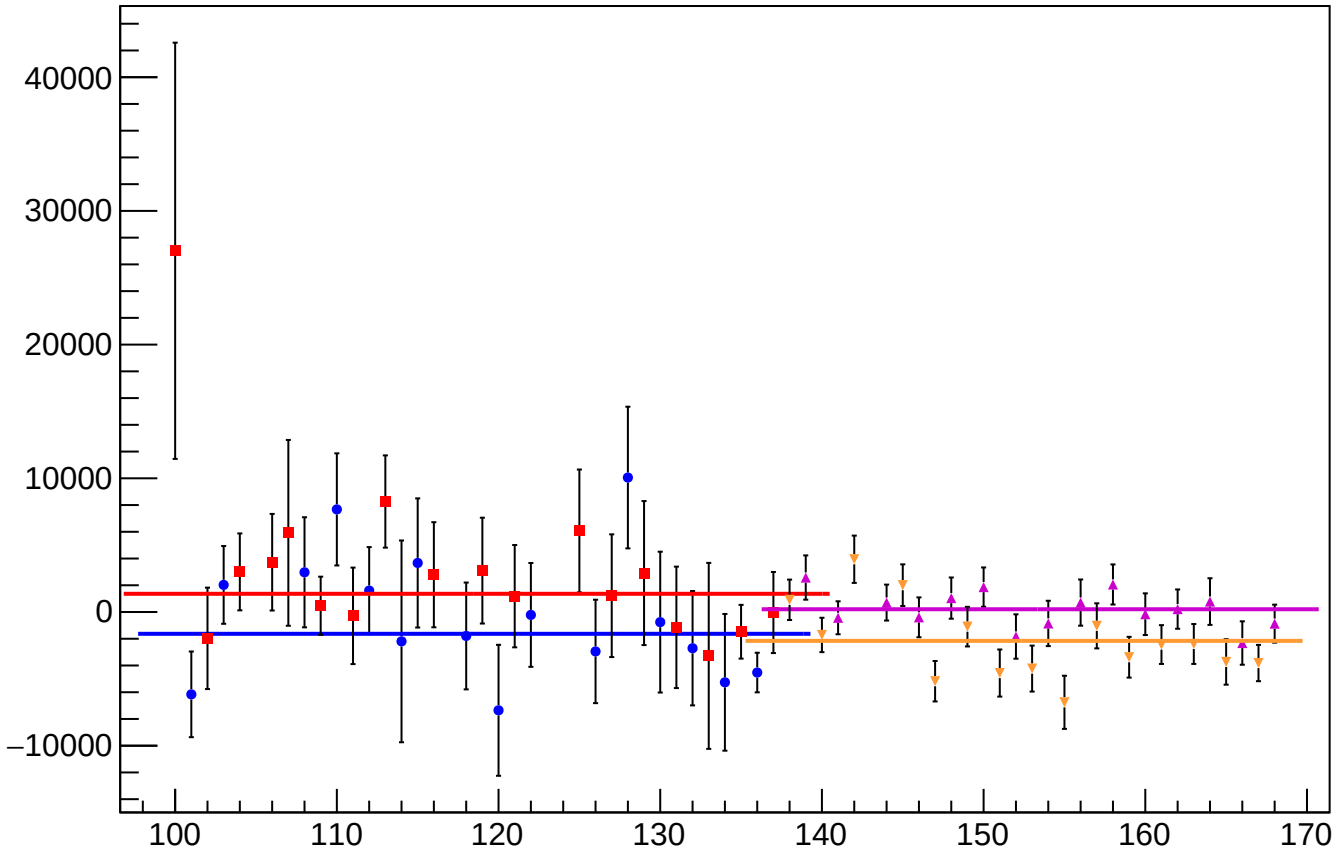
Left: 2188.259+/-0.315 χ^2/NDF: 60398.8/29

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2160.445+/-0.346 χ^2/NDF:229765.3/30

Out: 2137.170+/-0.348 χ^2/NDF:312128.5/32

All: 2148.891+/-0.245 χ^2/NDF: 544142.9/63



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -2159.124+/-402.444 χ^2/NDF:40.0/14

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 206.173+/-392.909 χ^2/NDF:10.9/14

Left: -948.123+/-281.139 χ^2/NDF: 68.5/29

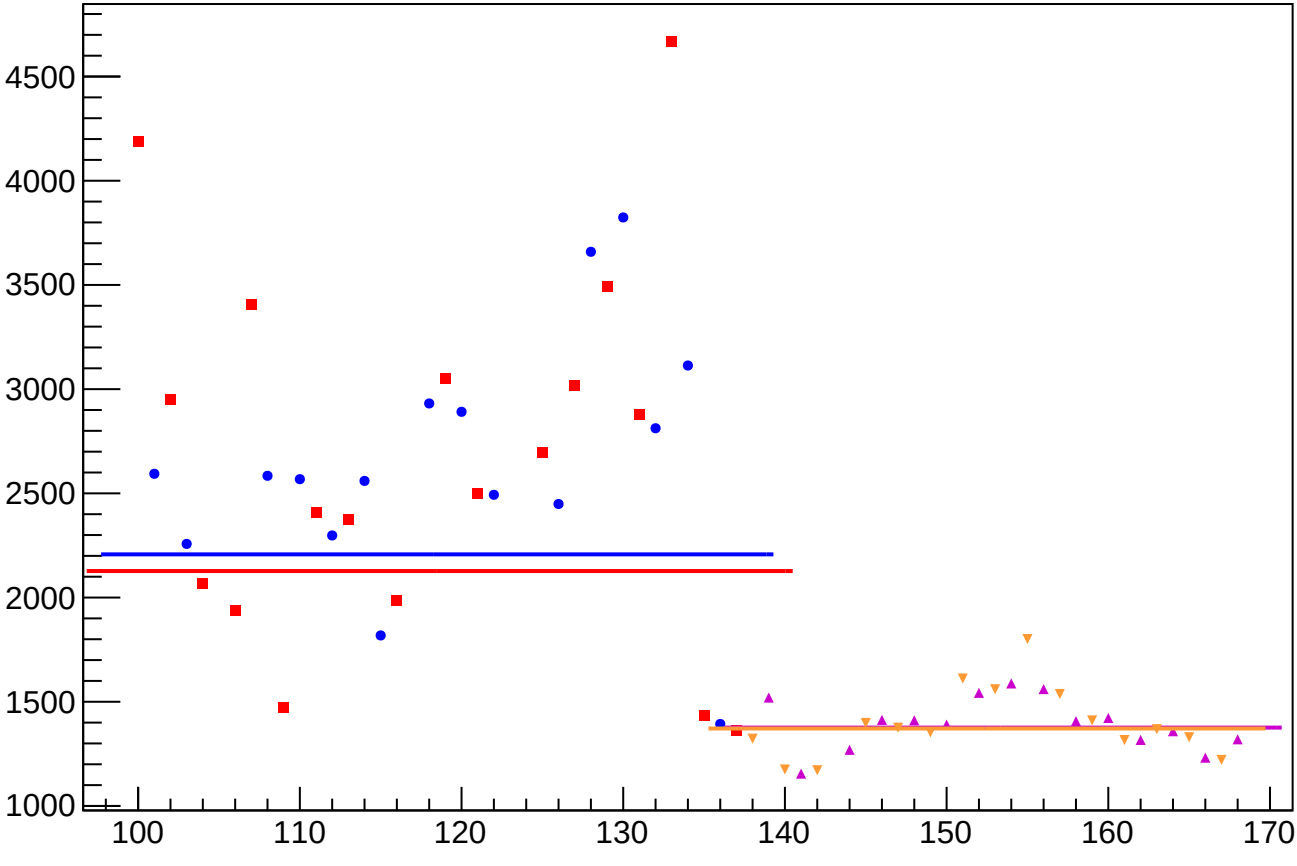
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -109.520+/-357.550 χ^2/NDF:37.5/30

Out: -1502.341+/-362.973 χ^2/NDF:67.7/32

All: -795.448+/-254.722 χ^2/NDF: 112.7/63

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: 1371.706+/-0.285 χ^2/NDF:279095.5/14

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1375.993+/-0.278 χ^2/NDF:193571.7/14

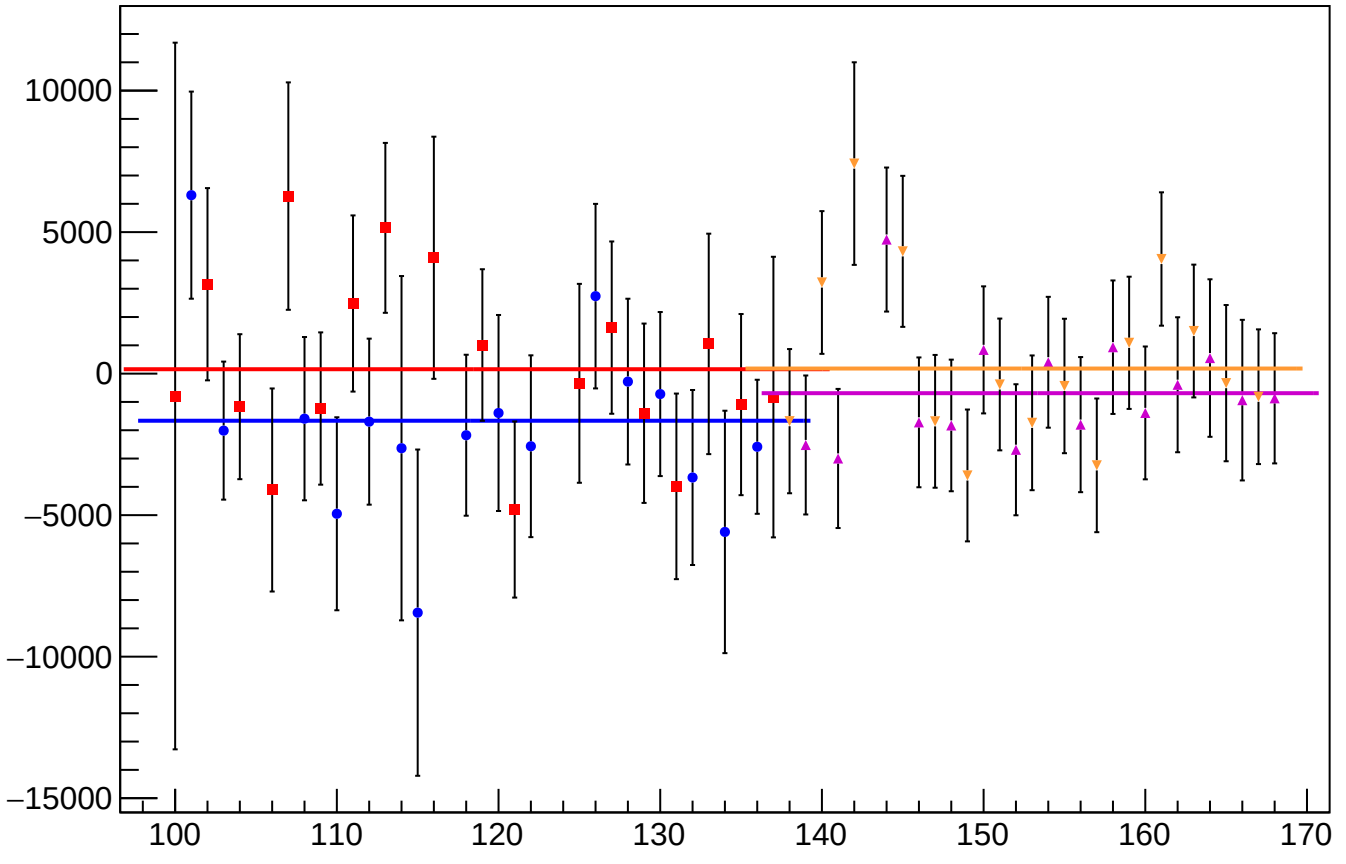
Left: 1373.901+/-0.199 χ^2/NDF: 472783.4/29

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1518.875+/-0.253 χ^2/NDF:2981561.8/30

Out: 1512.636+/-0.257 χ^2/NDF:3051969.6/32

All: 1515.802+/-0.180 χ^2/NDF: 6033831.2/63



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 180.128+/-636.749 χ^2/NDF:18.0/14

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -690.776+/-621.571 χ^2/NDF:8.9/14

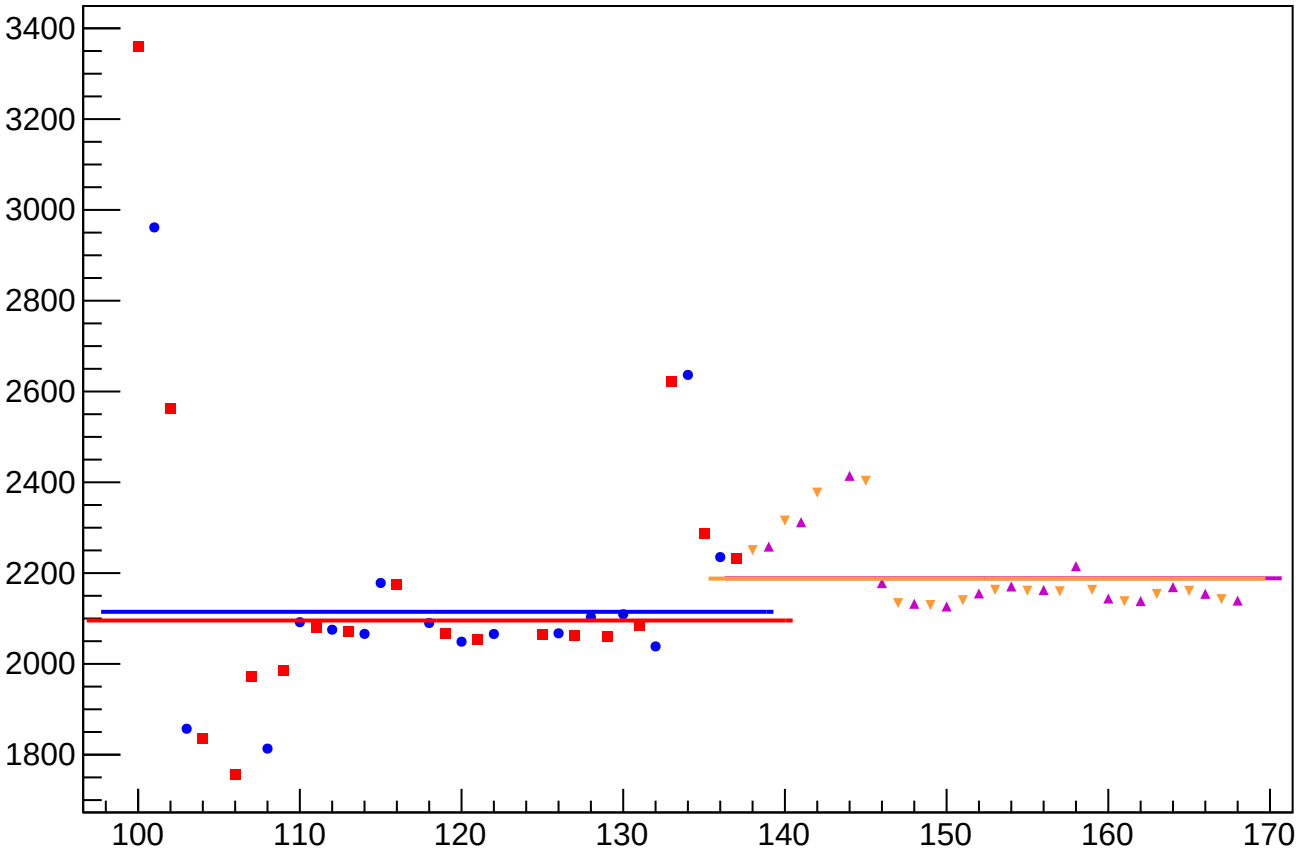
Left: -265.828+/-444.786 χ^2/NDF: 27.8/29

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

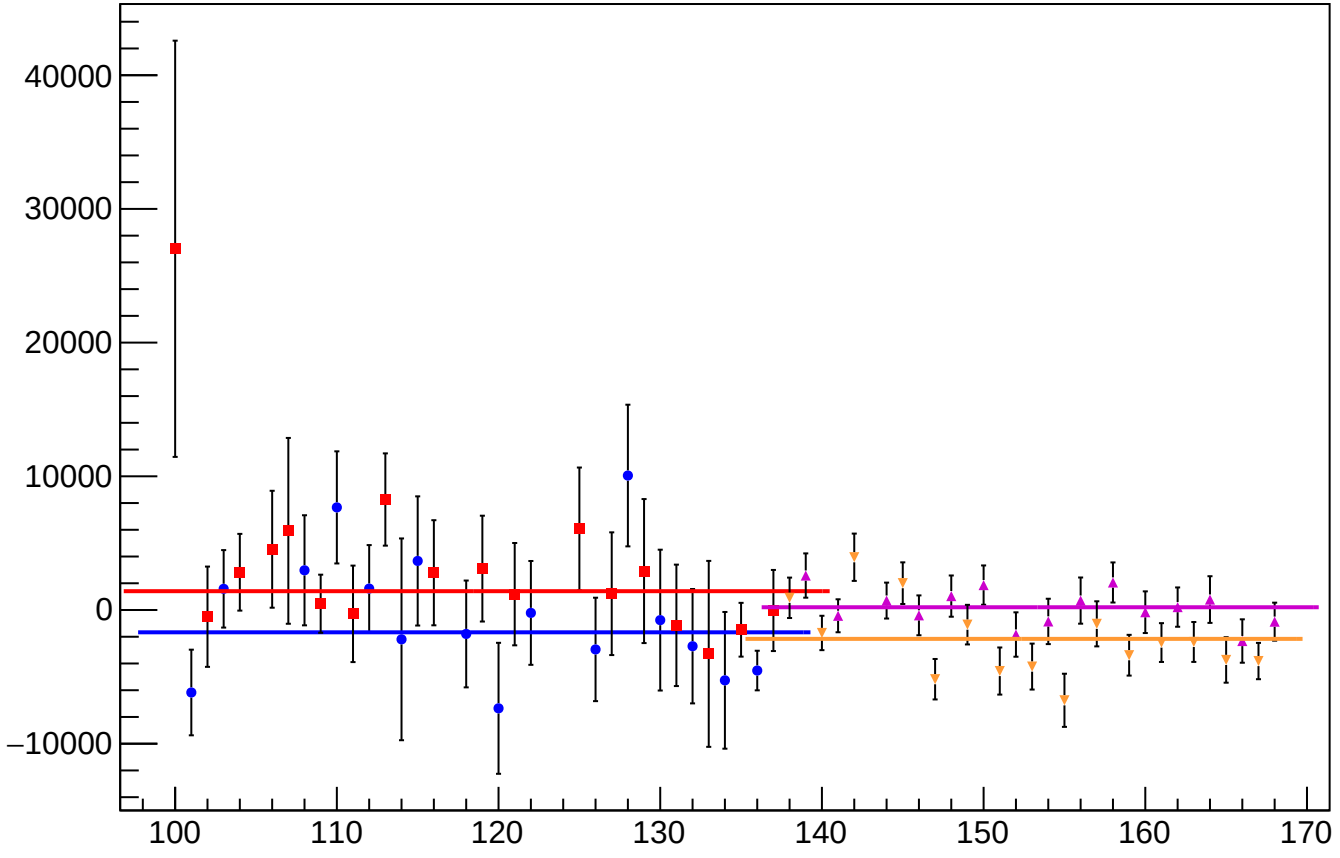
In: -1061.724+/-489.005 χ^2/NDF:20.6/30

Out: 170.471+/-494.638 χ^2/NDF:32.2/32

All: -452.682+/-347.753 χ^2/NDF: 55.9/63


cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2187.927+/-0.450 χ²/NDF:31302.5/14
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2188.575+/-0.440 χ²/NDF:29095.2/14
Left: 2188.259+/-0.315 χ²/NDF: 60398.8/29
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2160.445+/-0.346 χ²/NDF:229765.7/30
Out: 2151.313+/-0.350 χ²/NDF:197338.8/32
All: 2155.931+/-0.246 χ²/NDF: 427449.2/63

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: -2159.125+/-402.447 χ^2/NDF:40.0/14

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 206.013+/-392.908 χ^2/NDF:10.9/14

Left: -948.196+/-281.140 χ^2/NDF: 68.5/29

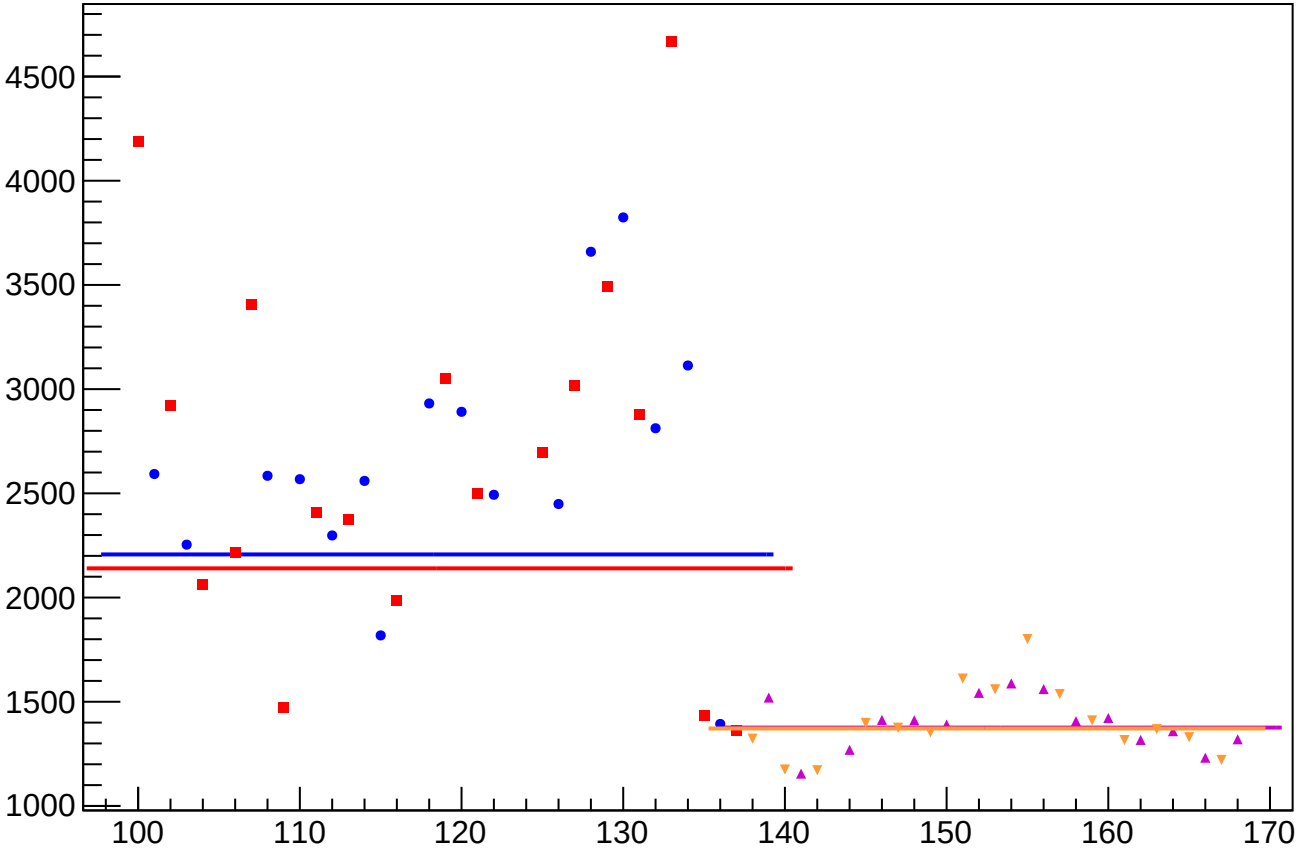
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -116.366+/-357.529 χ^2/NDF:37.3/30

Out: -1502.221+/-363.506 χ^2/NDF:67.4/32

All: -797.806+/-254.898 χ^2/NDF: 112.1/63

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1371.718+/-0.285 χ^2/NDF:279036.8/14

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1375.991+/-0.278 χ^2/NDF:193617.9/14

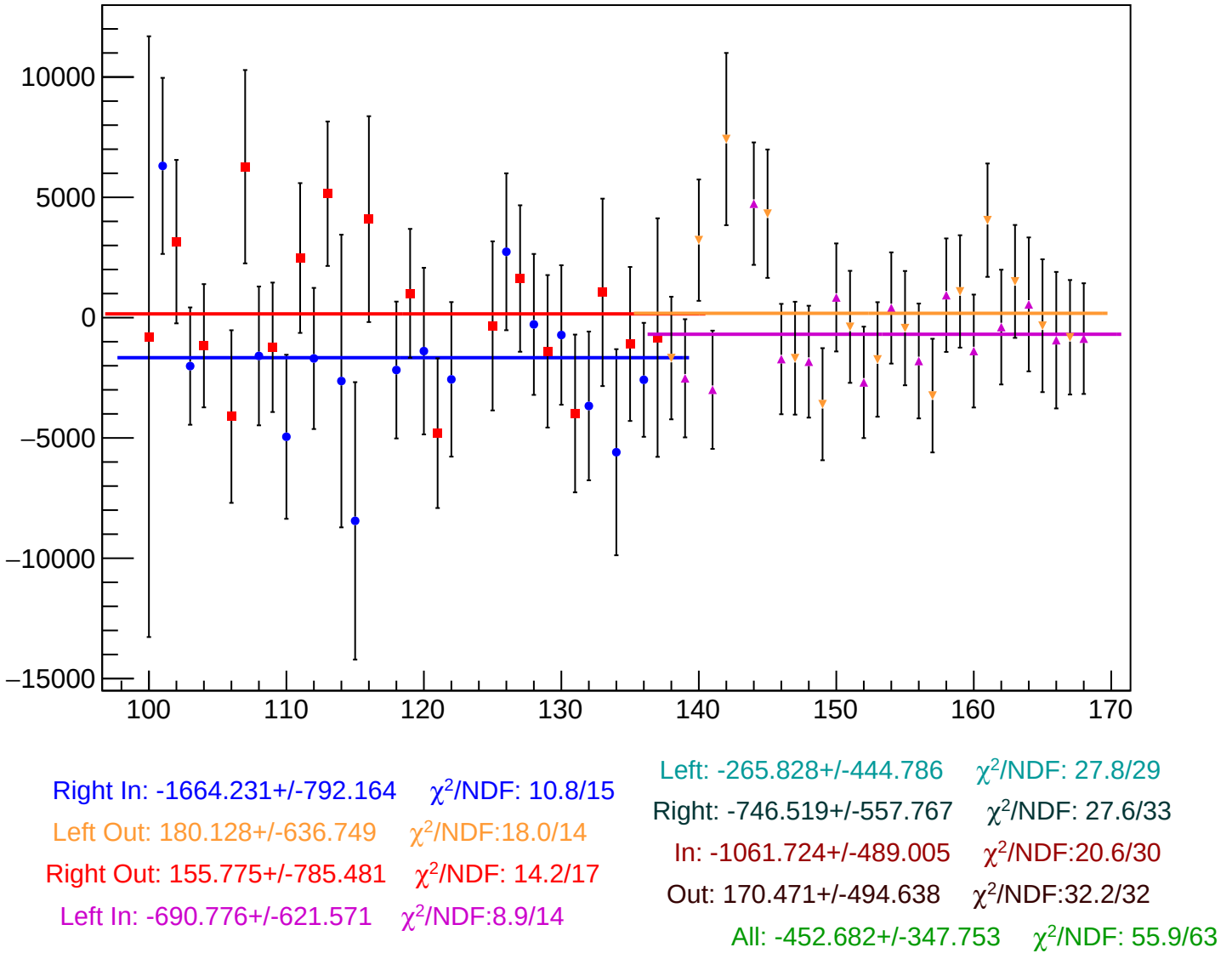
Left: 1373.906+/-0.199 χ^2/NDF: 472770.1/29

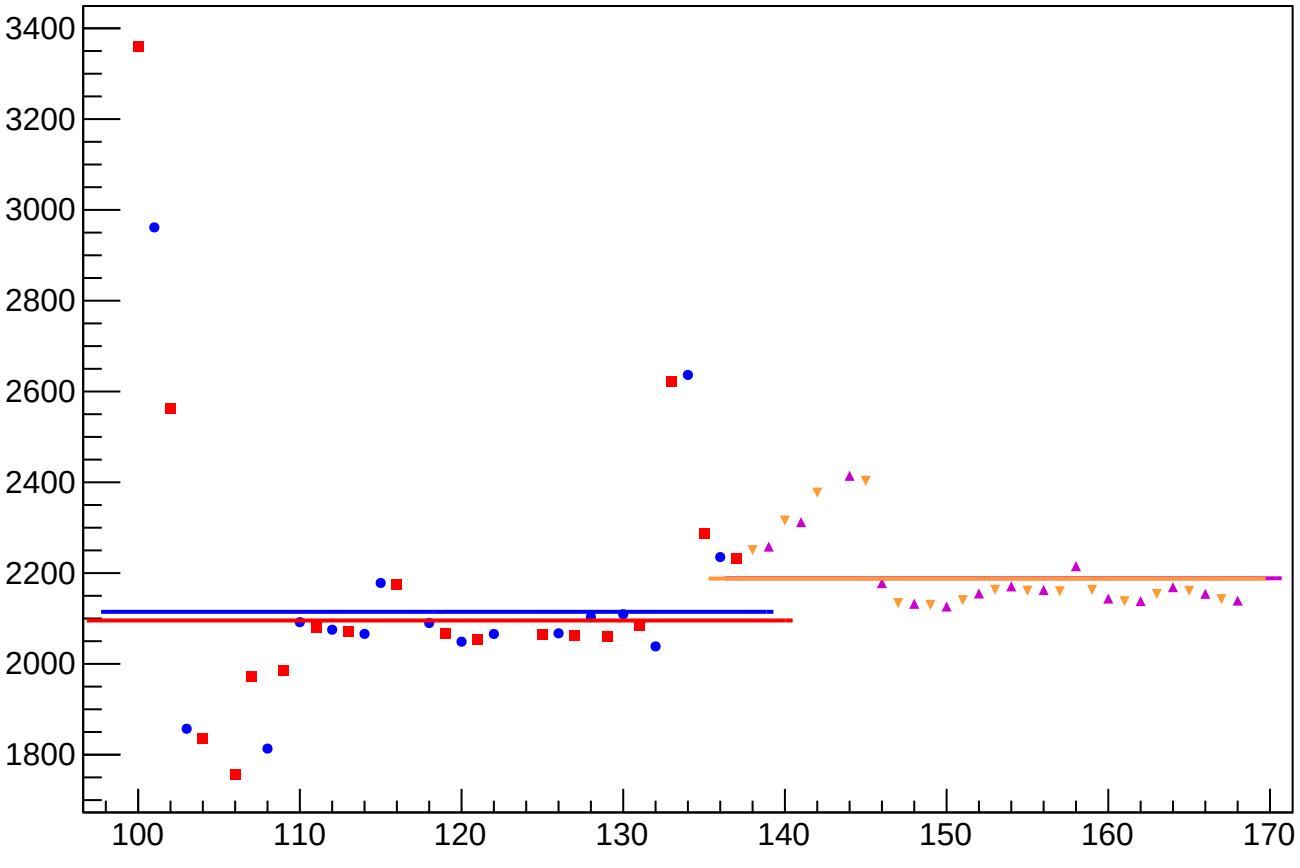
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1518.895+/-0.253 χ^2/NDF:2980988.4/30

Out: 1513.213+/-0.257 χ^2/NDF:3069887.3/32

All: 1516.101+/-0.180 χ^2/NDF: 6051124.1/63


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 180.128+/-636.749 χ²/NDF:18.0/14
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -690.776+/-621.571 χ²/NDF:8.9/14
Left: -265.828+/-444.786 χ²/NDF: 27.8/29
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1061.724+/-489.005 χ²/NDF:20.6/30
Out: 170.471+/-494.638 χ²/NDF:32.2/32
All: -452.682+/-347.753 χ²/NDF: 55.9/63



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2187.927+/-0.450 χ^2/NDF:31302.5/14

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2188.575+/-0.440 χ^2/NDF:29095.2/14

Left: 2188.259+/-0.315 χ^2/NDF: 60398.8/29

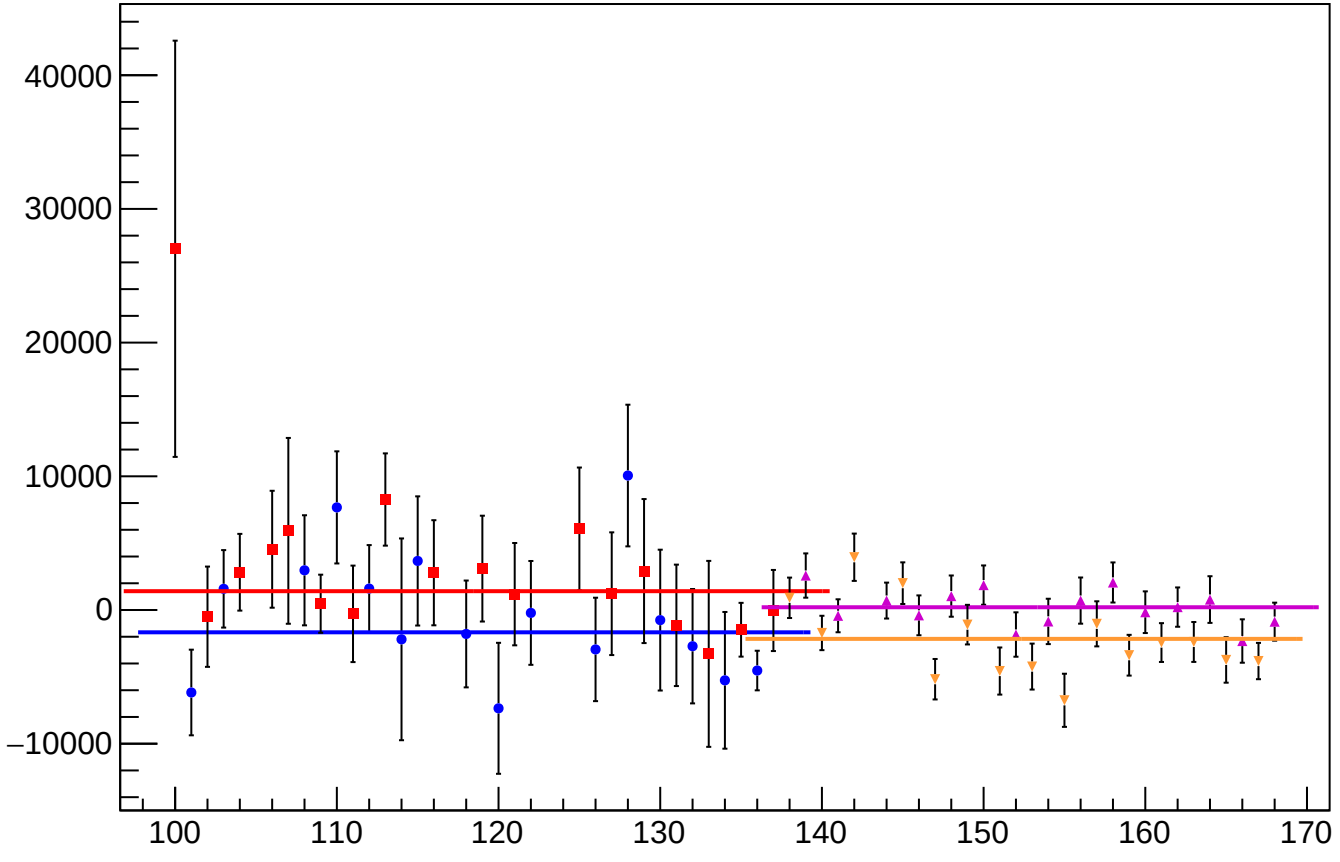
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.445+/-0.346 χ^2/NDF:229765.7/30

Out: 2151.313+/-0.350 χ^2/NDF:197338.8/32

All: 2155.931+/-0.246 χ^2/NDF: 427449.2/63

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: -2159.125+/-402.447 χ^2/NDF:40.0/14

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 206.013+/-392.908 χ^2/NDF:10.9/14

Left: -948.196+/-281.140 χ^2/NDF: 68.5/29

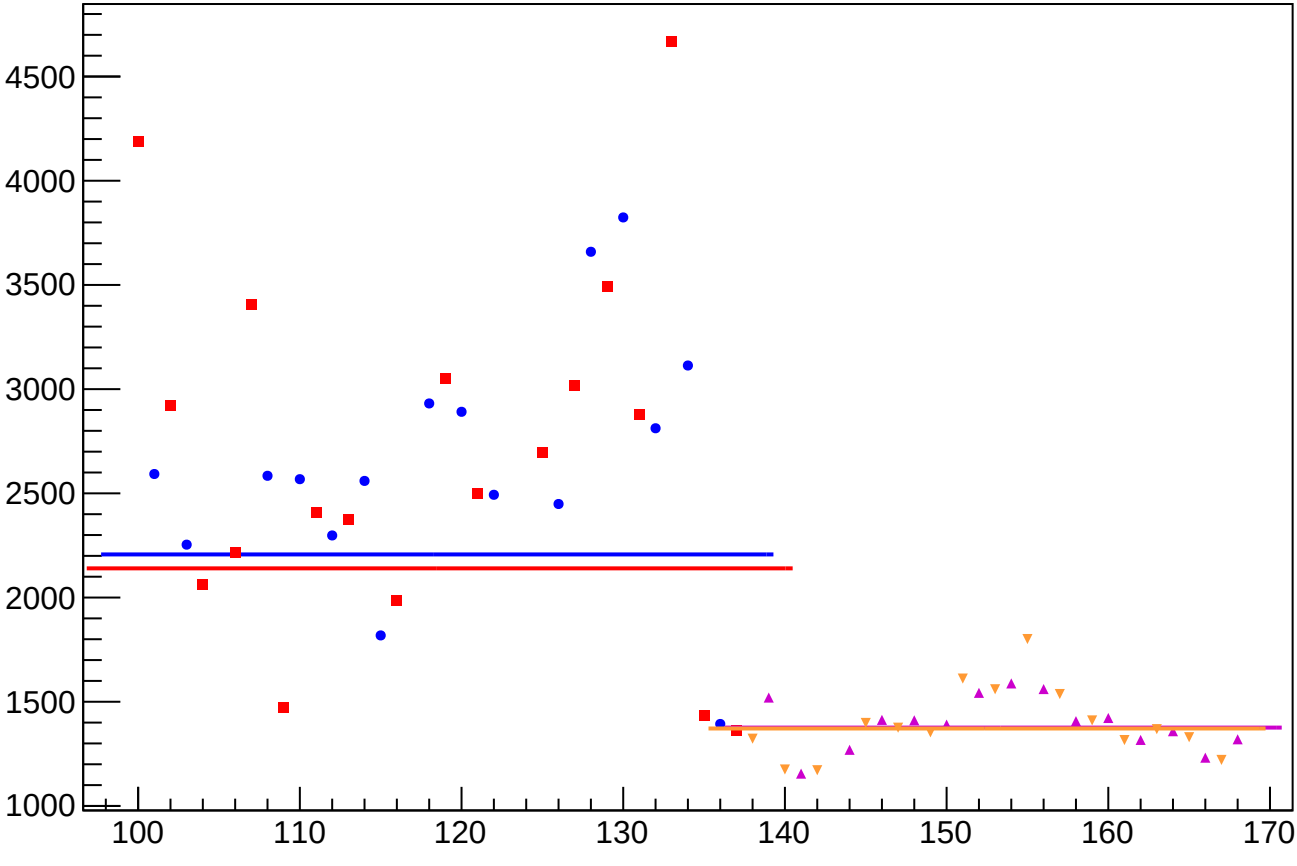
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -116.366+/-357.529 χ^2/NDF:37.3/30

Out: -1502.221+/-363.506 χ^2/NDF:67.4/32

All: -797.806+/-254.898 χ^2/NDF: 112.1/63

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: 1371.718+/-0.285 χ^2/NDF:279036.8/14

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1375.991+/-0.278 χ^2/NDF:193617.9/14

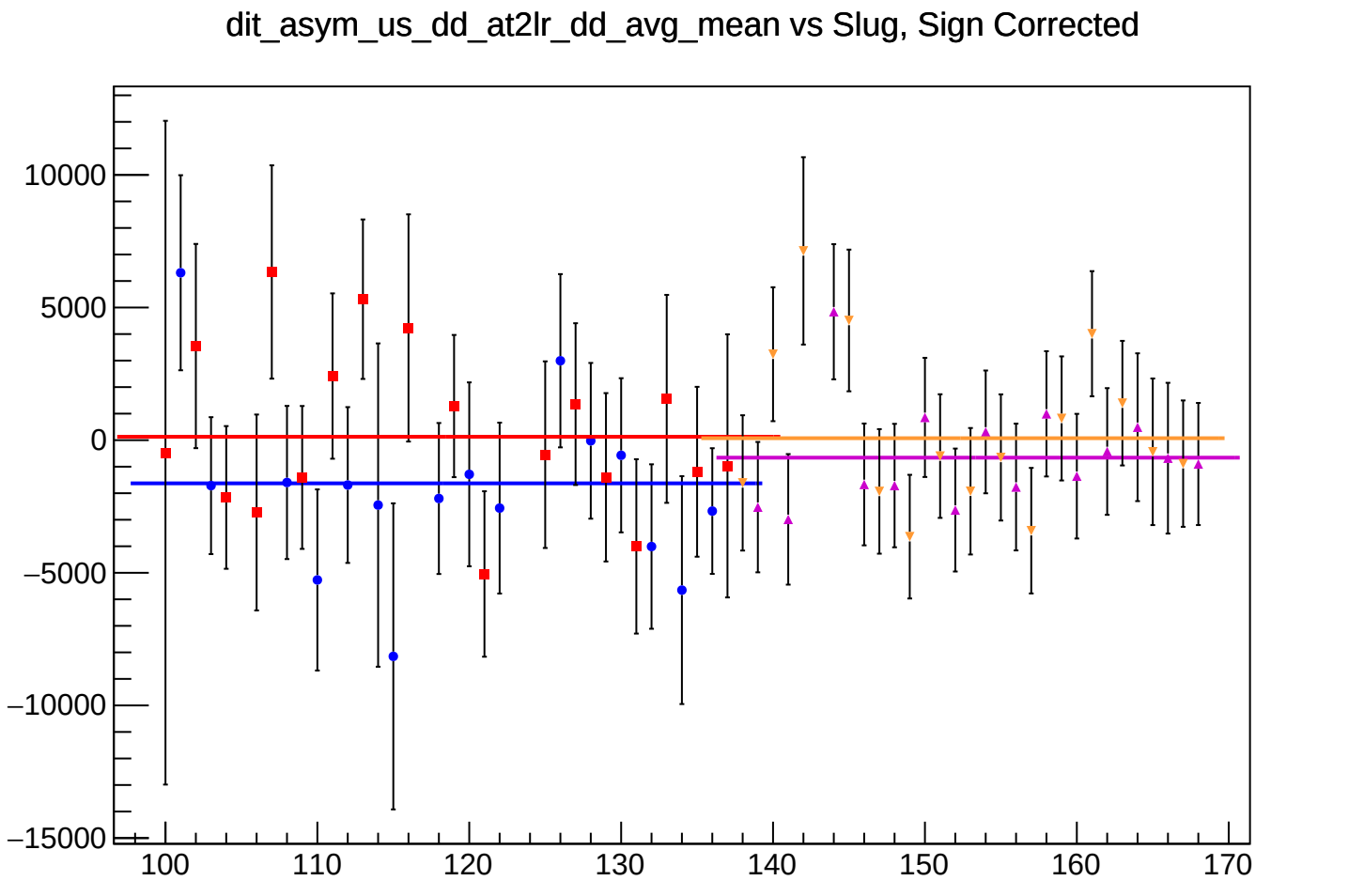
Left: 1373.906+/-0.199 χ^2/NDF: 472770.1/29

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1518.895+/-0.253 χ^2/NDF:2980988.4/30

Out: 1513.213+/-0.257 χ^2/NDF:3069887.3/32

All: 1516.101+/-0.180 χ^2/NDF: 6051124.1/63



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 73.976+/-637.201 χ^2/NDF:18.5/14

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -659.688+/-622.266 χ^2/NDF:8.9/14

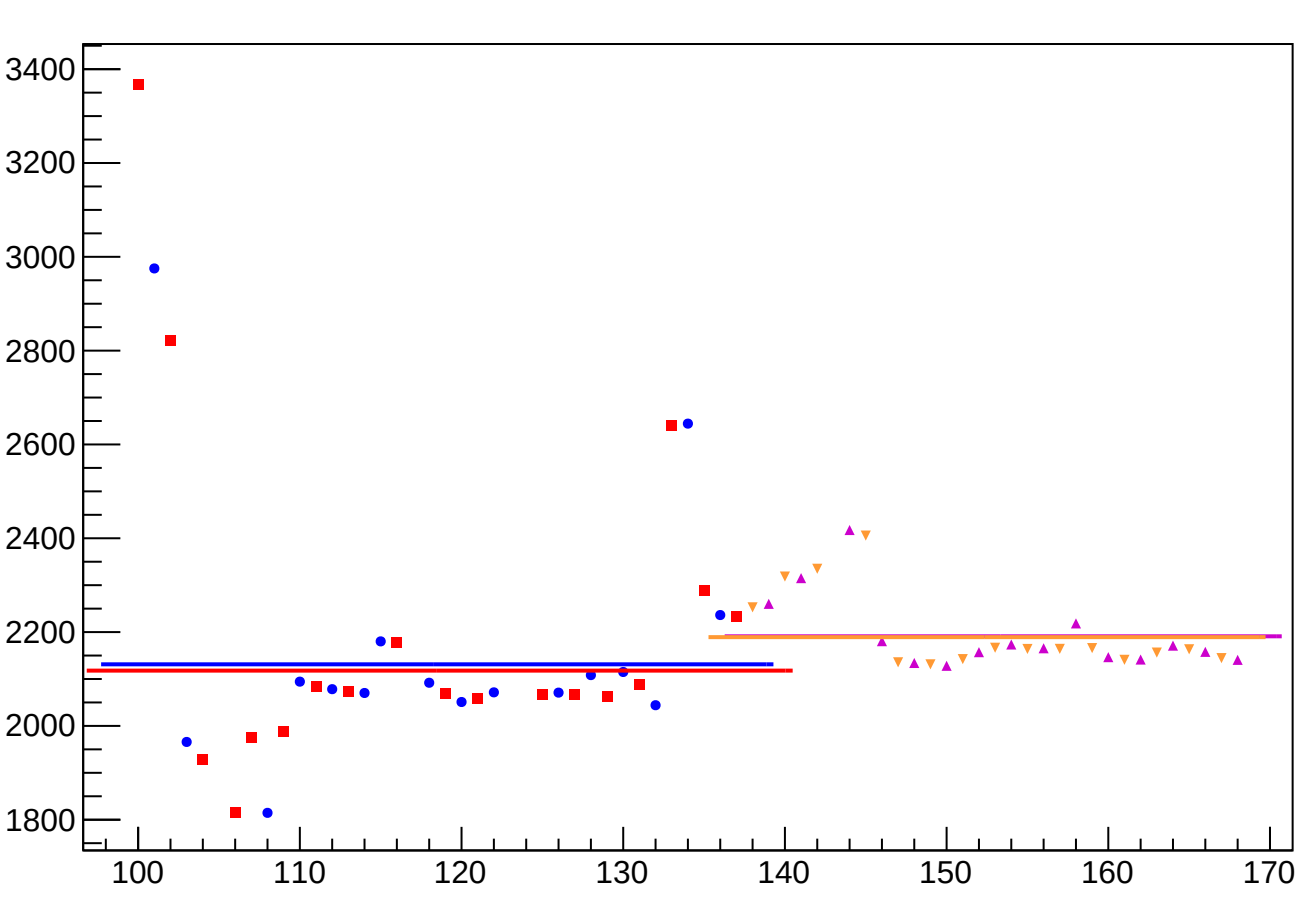
Left: -301.555+/-445.195 χ^2/NDF: 28.0/29

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1025.719+/-490.702 χ^2/NDF:21.1/30

Out: 95.117+/-497.424 χ^2/NDF:33.0/32

All: -472.925+/-349.331 χ^2/NDF: 56.7/63



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2189.213+/-0.451 χ^2/NDF:29053.8/14

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2191.011+/-0.440 χ^2/NDF:29223.1/14

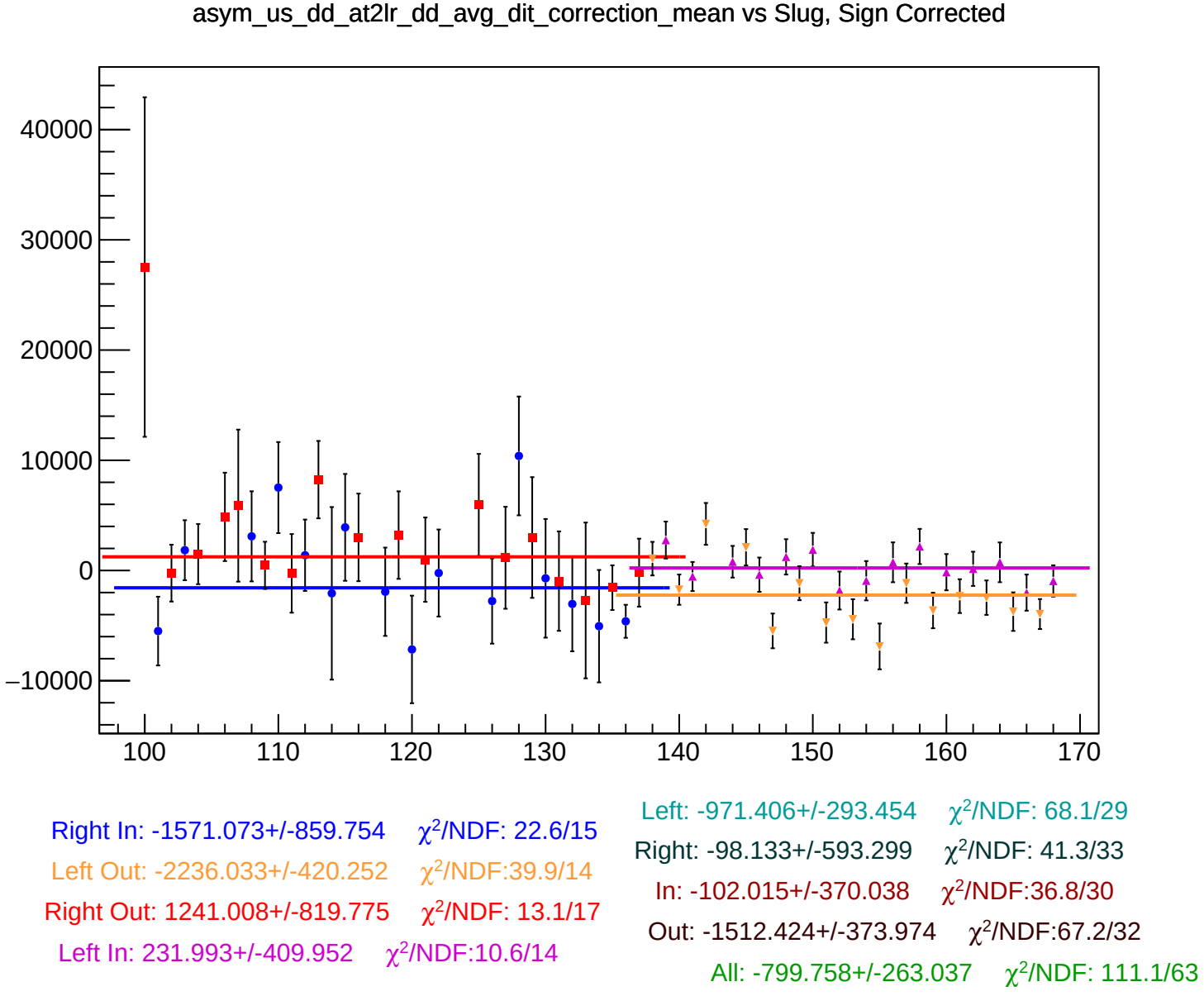
Left: 2190.133+/-0.315 χ^2/NDF: 58285.1/29

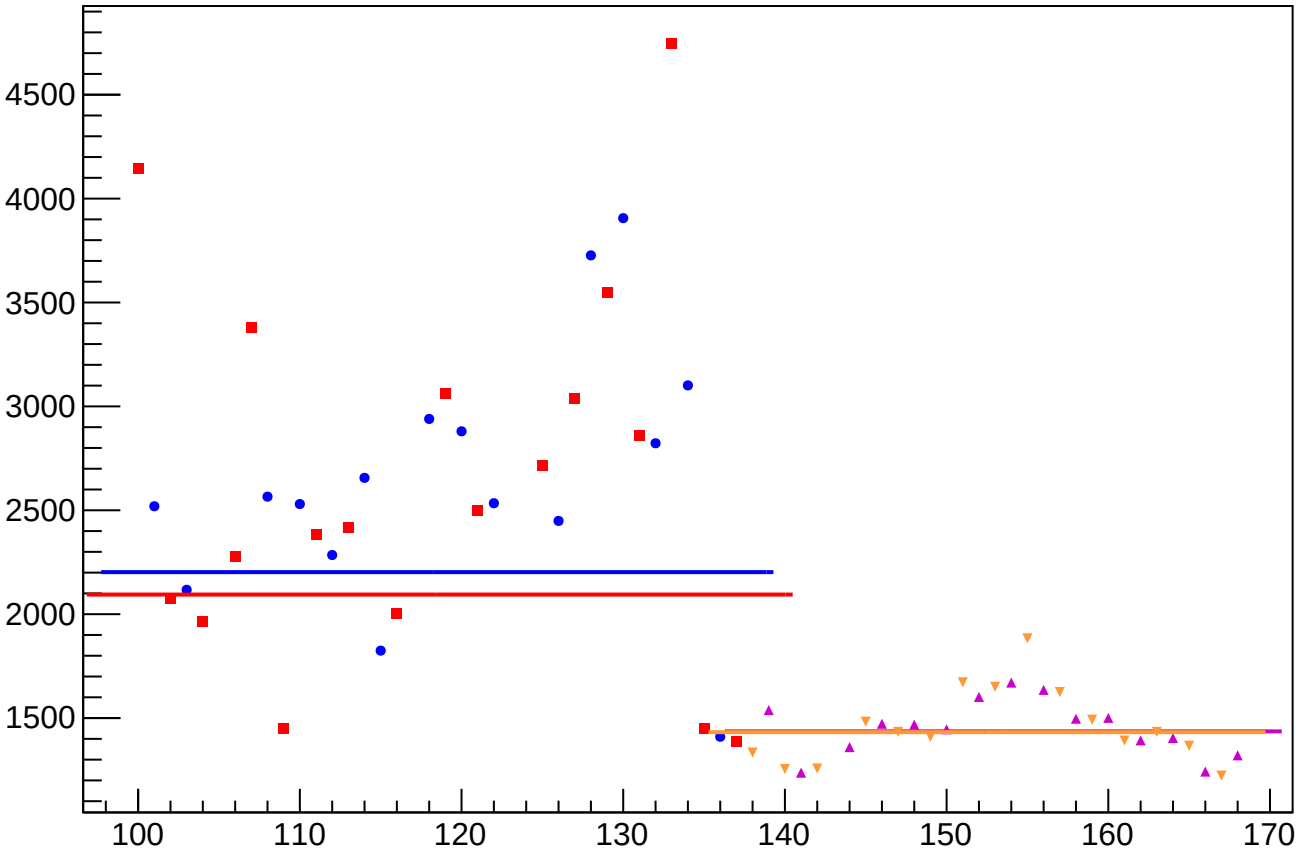
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2168.430+/-0.347 χ^2/NDF:212130.7/30

Out: 2161.345+/-0.352 χ^2/NDF:202470.3/32

All: 2164.936+/-0.247 χ^2/NDF: 414806.6/63


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1571.073+/-859.754 χ²/NDF: 22.6/15
Left Out: -2236.033+/-420.252 χ²/NDF:39.9/14
Right Out: 1241.008+/-819.775 χ²/NDF: 13.1/17
Left In: 231.993+/-409.952 χ²/NDF:10.6/14
Left: -971.406+/-293.454 χ²/NDF: 68.1/29
Right: -98.133+/-593.299 χ²/NDF: 41.3/33
In: -102.015+/-370.038 χ²/NDF:36.8/30
Out: -1512.424+/-373.974 χ²/NDF:67.2/32
All: -799.758+/-263.037 χ²/NDF: 111.1/63



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1432.186+/-0.297 χ^2/NDF:296211.5/14

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1436.059+/-0.290 χ^2/NDF:187209.7/14

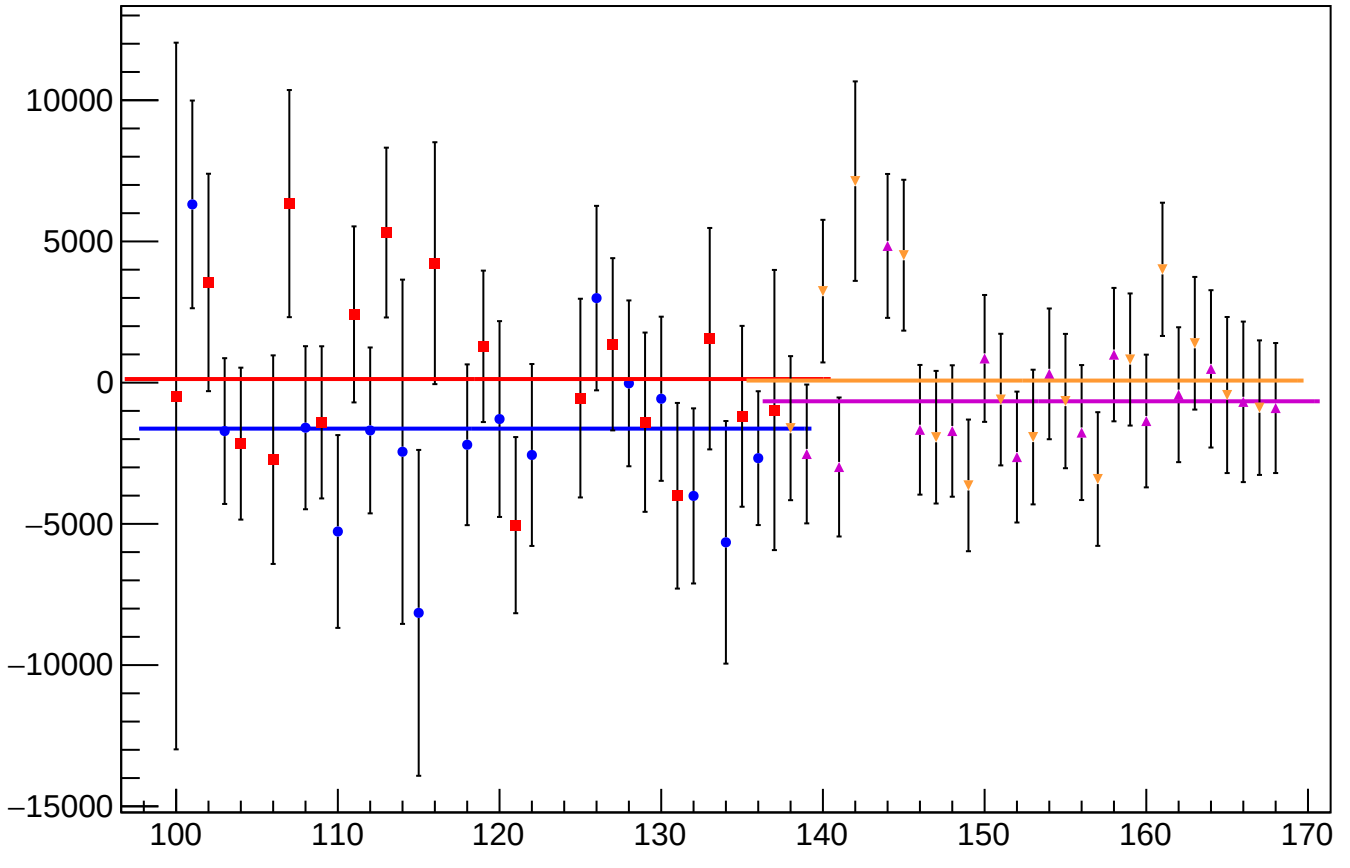
Left: 1434.171+/-0.208 χ^2/NDF: 483508.2/29

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1578.015+/-0.262 χ^2/NDF:2704754.5/30

Out: 1570.009+/-0.264 χ^2/NDF:2703507.9/32

All: 1574.055+/-0.186 χ^2/NDF: 5408725.6/63



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 73.980+/-637.201 χ^2/NDF:18.5/14

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -659.688+/-622.266 χ^2/NDF:8.9/14

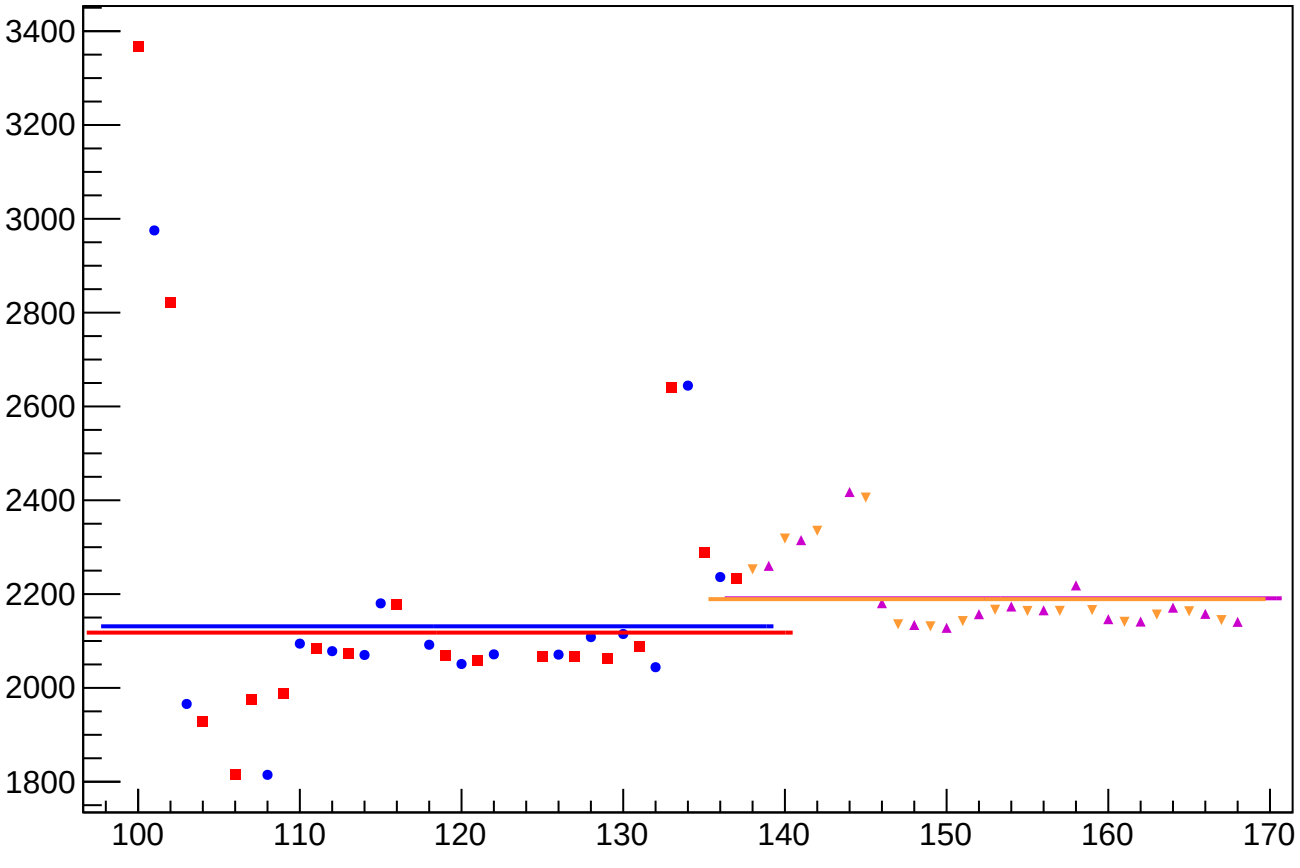
Left: -301.553+/-445.195 χ^2/NDF: 28.0/29

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1025.720+/-490.702 χ^2/NDF:21.1/30

Out: 95.117+/-497.424 χ^2/NDF:33.0/32

All: -472.925+/-349.331 χ^2/NDF: 56.7/63



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2189.213+/-0.451 χ^2/NDF:29053.9/14

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2191.011+/-0.440 χ^2/NDF:29223.2/14

Left: 2190.133+/-0.315 χ^2/NDF: 58285.2/29

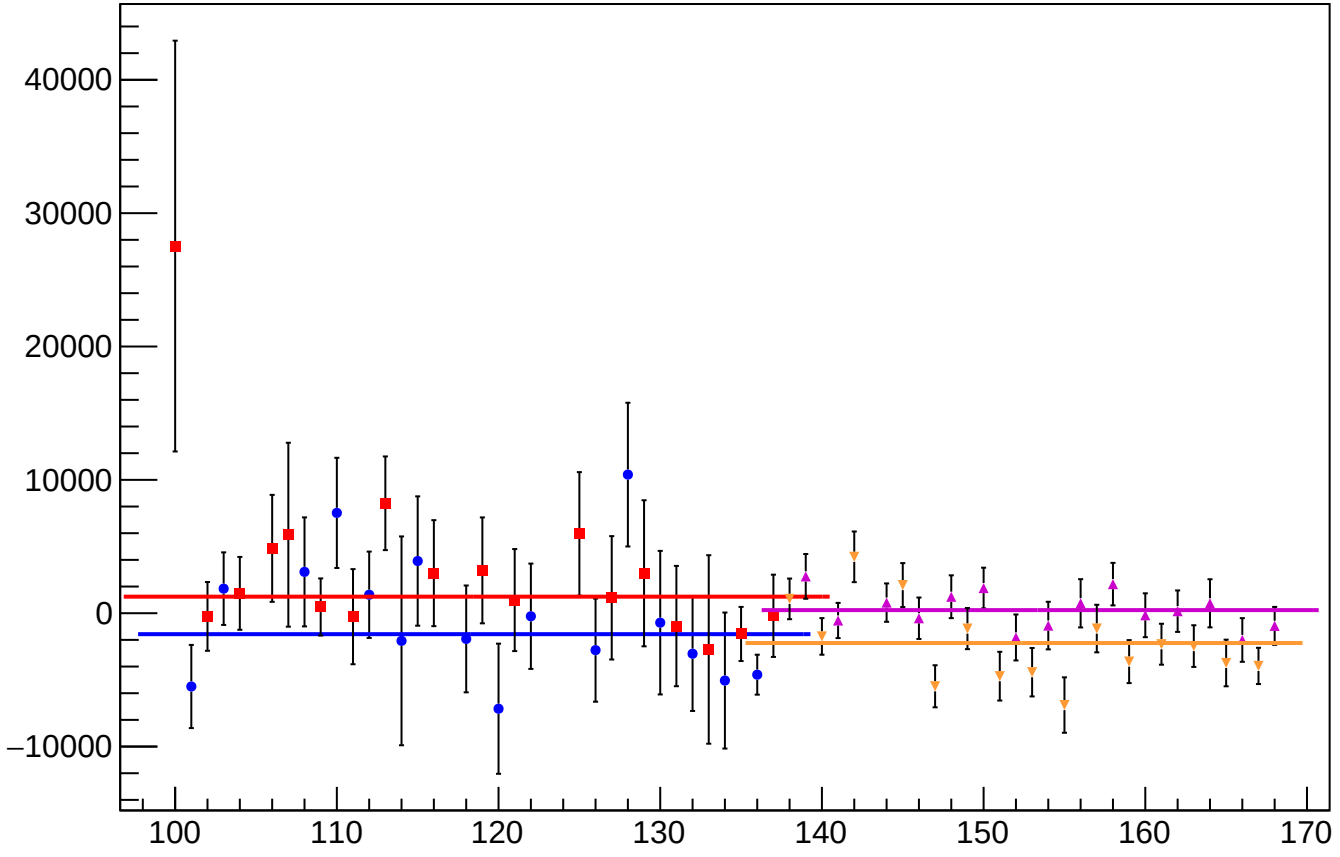
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2168.430+/-0.347 χ^2/NDF:212130.7/30

Out: 2161.345+/-0.352 χ^2/NDF:202470.3/32

All: 2164.936+/-0.247 χ^2/NDF: 414806.7/63

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: -2236.043+/-420.252 χ^2/NDF:39.9/14

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 231.988+/-409.952 χ^2/NDF:10.6/14

Left: -971.411+/-293.454 χ^2/NDF: 68.1/29

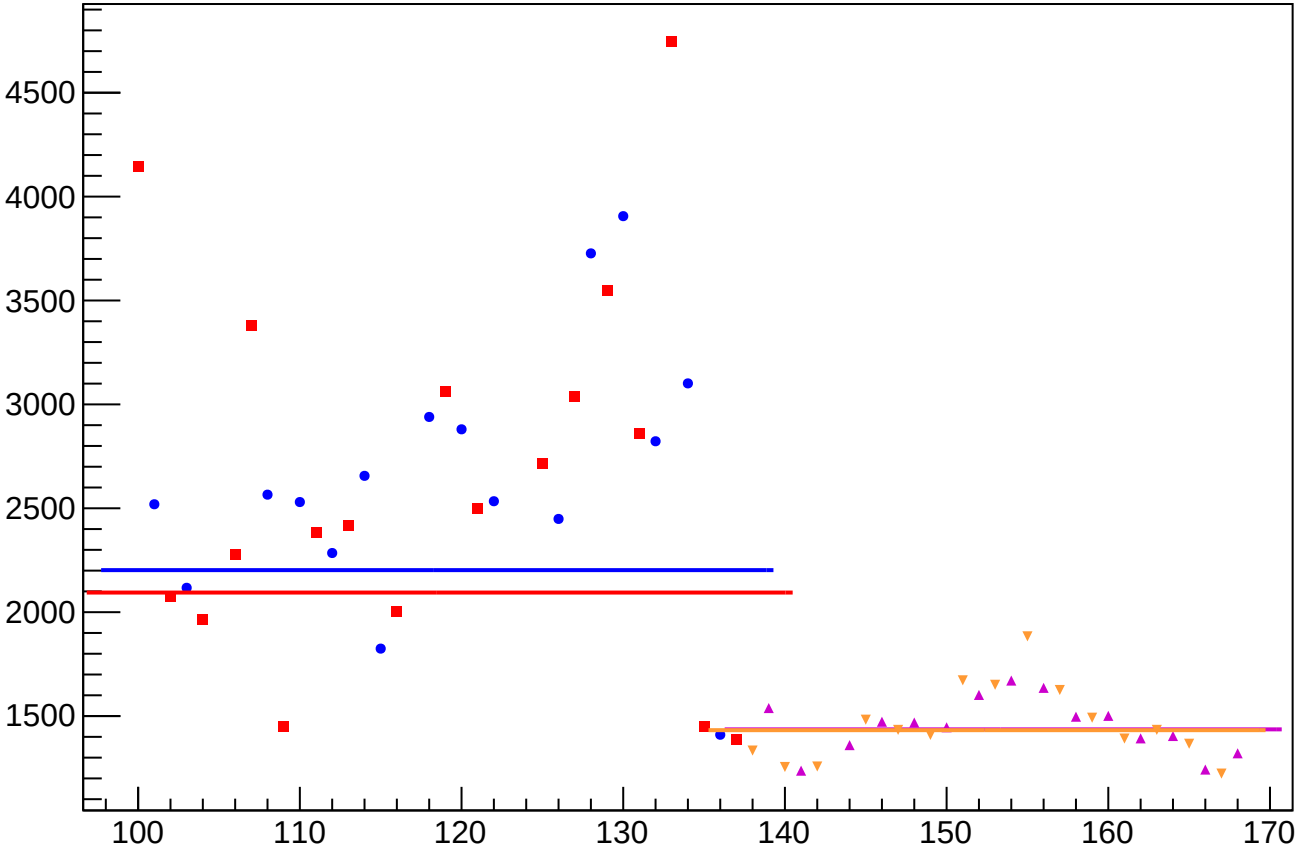
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -102.014+/-370.038 χ^2/NDF:36.8/30

Out: -1512.432+/-373.975 χ^2/NDF:67.2/32

All: -799.761+/-263.037 χ^2/NDF: 111.1/63

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: 1432.188+/-0.297 χ^2/NDF:296204.5/14

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1436.059+/-0.290 χ^2/NDF:187214.2/14

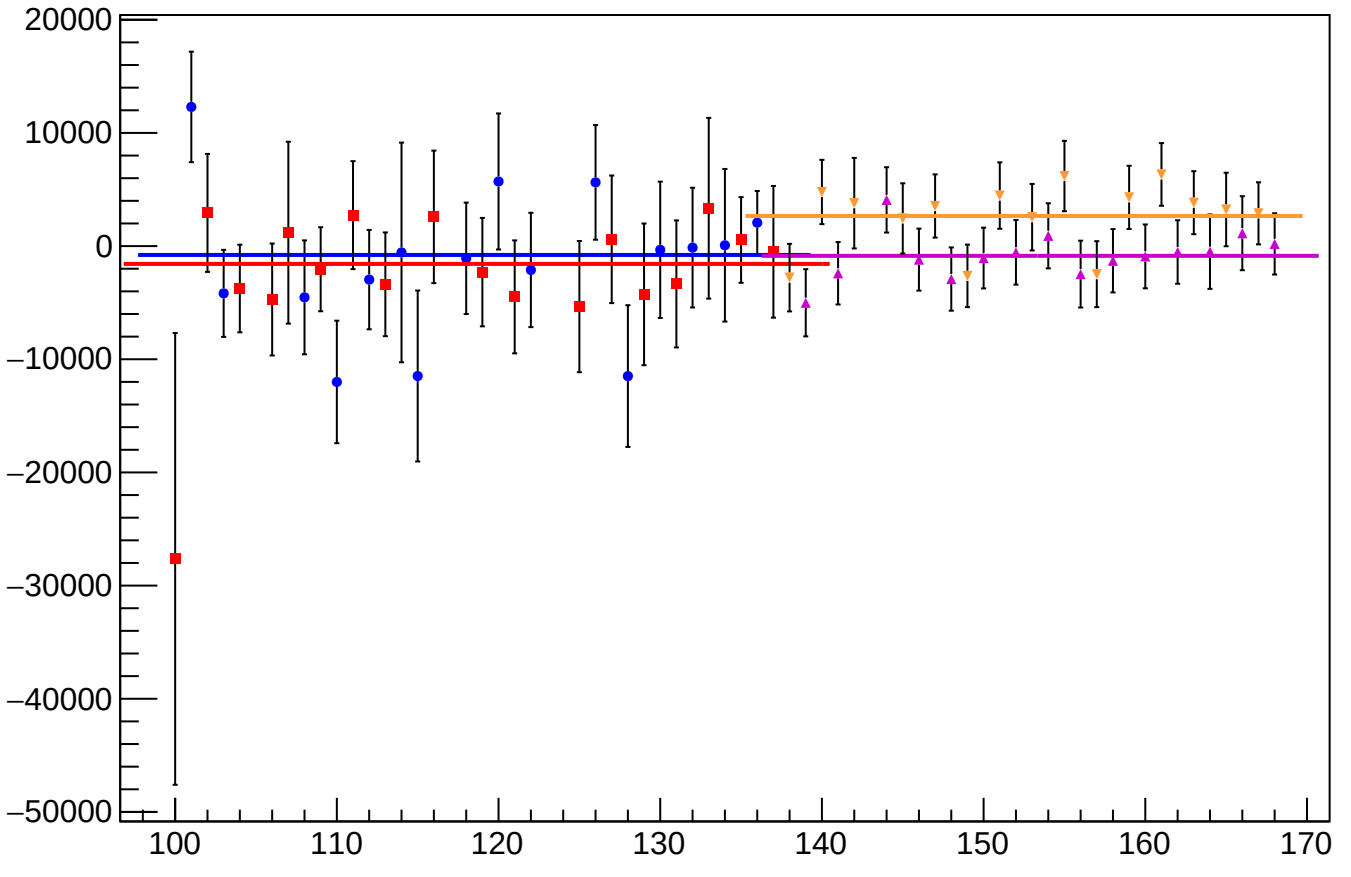
Left: 1434.171+/-0.208 χ^2/NDF: 483505.6/29

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1578.017+/-0.262 χ^2/NDF:2704735.9/30

Out: 1570.012+/-0.264 χ^2/NDF:2703480.0/32

All: 1574.057+/-0.186 χ^2/NDF: 5408678.8/63



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2662.529+/-760.217 χ^2/NDF:14.8/14

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -861.224+/-739.911 χ^2/NDF:7.0/14

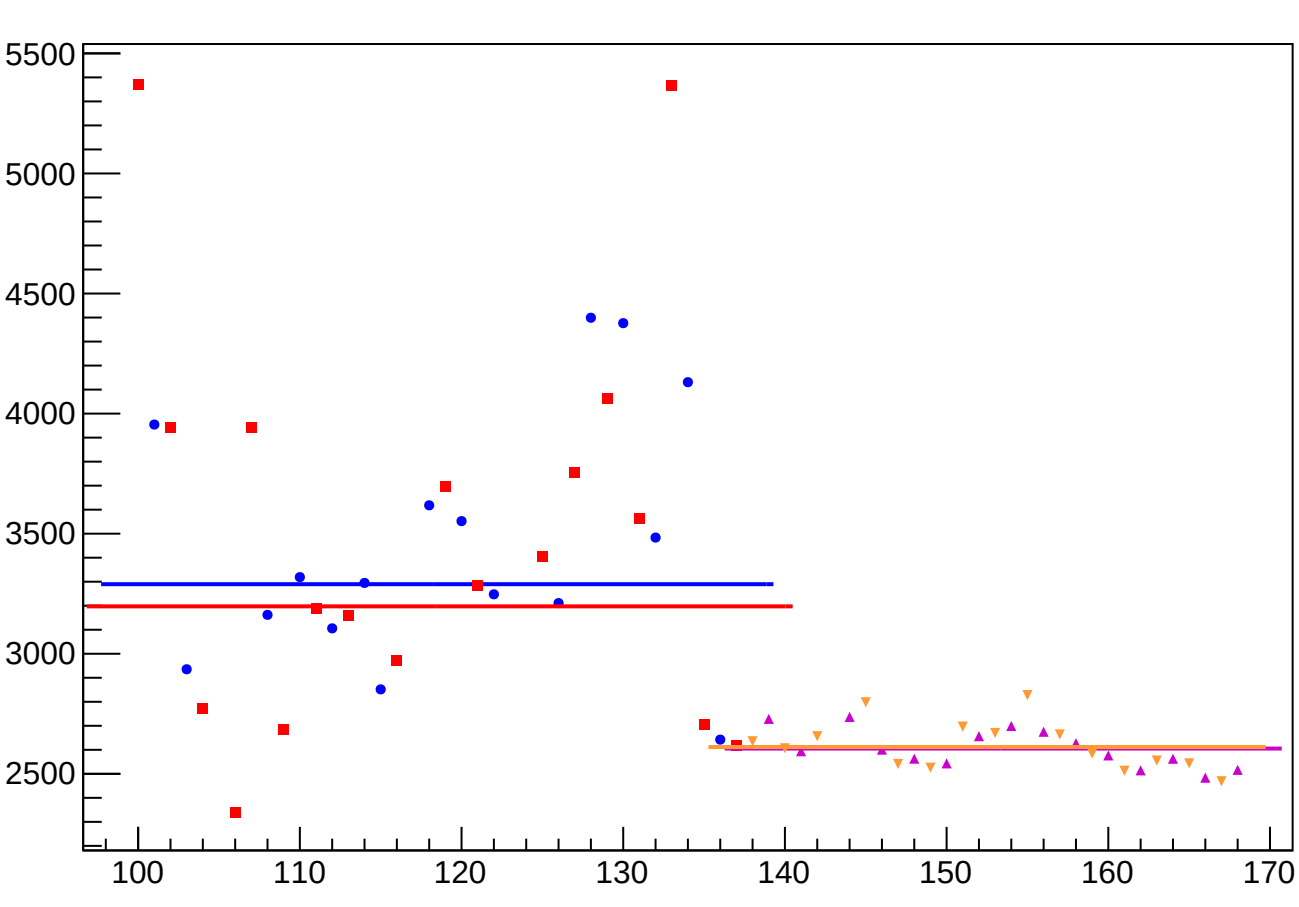
Left: 852.965+/-530.230 χ^2/NDF: 32.9/29

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -840.365+/-635.621 χ^2/NDF:28.9/30

Out: 1475.975+/-645.051 χ^2/NDF:30.3/32

All: 300.751+/-452.749 χ^2/NDF: 65.7/63



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2611.586+/-0.538 χ^2/NDF:33437.0/14

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2605.245+/-0.523 χ^2/NDF:20756.6/14

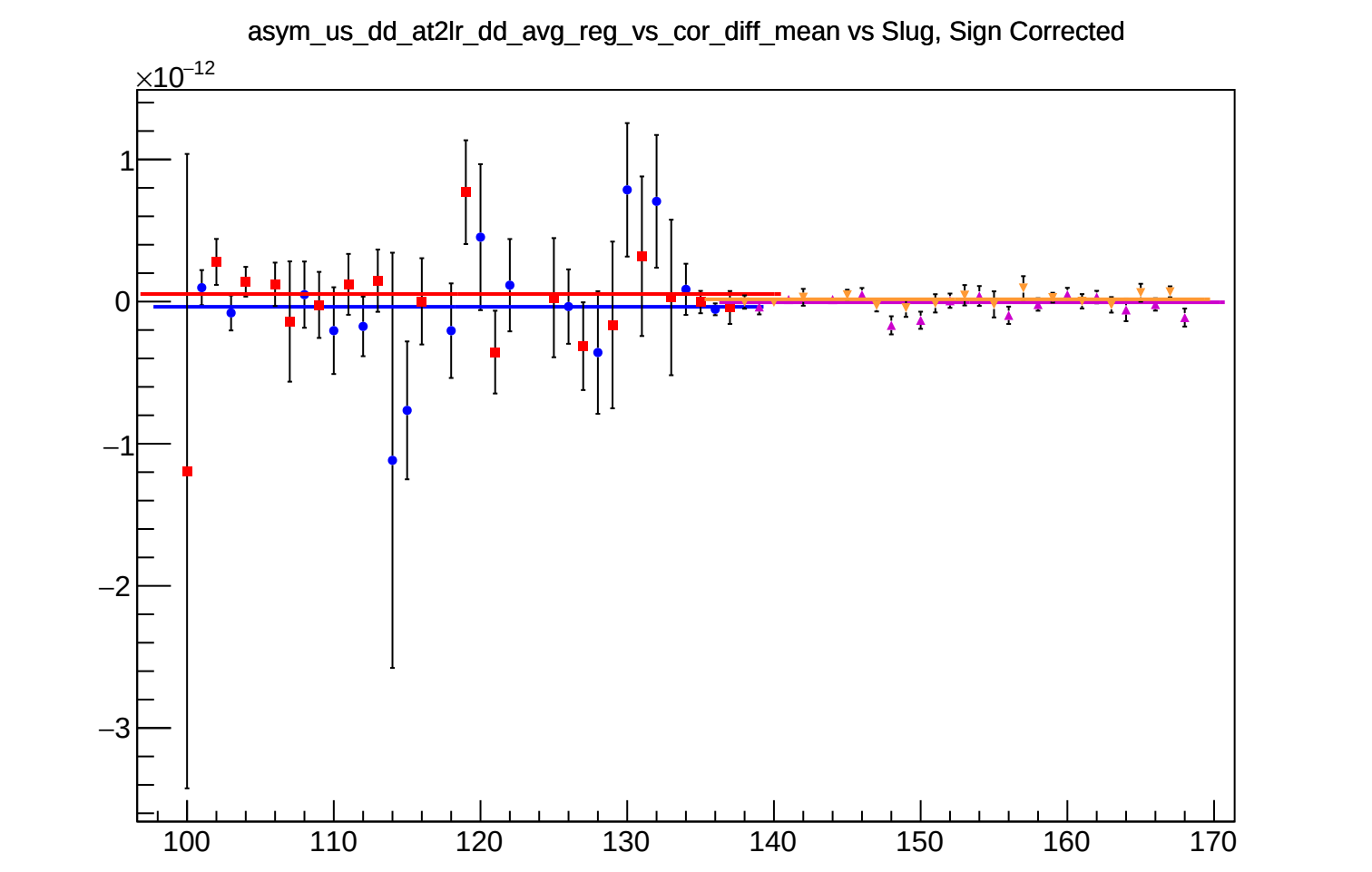
Left: 2608.330+/-0.375 χ^2/NDF: 54265.1/29

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2784.592+/-0.449 χ^2/NDF:816789.6/30

Out: 2775.629+/-0.456 χ^2/NDF:865919.9/32

All: 2780.177+/-0.320 χ^2/NDF: 1682905.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:22.3/14

Left: 0.000+/-0.000 χ^2/NDF: 31.7/29

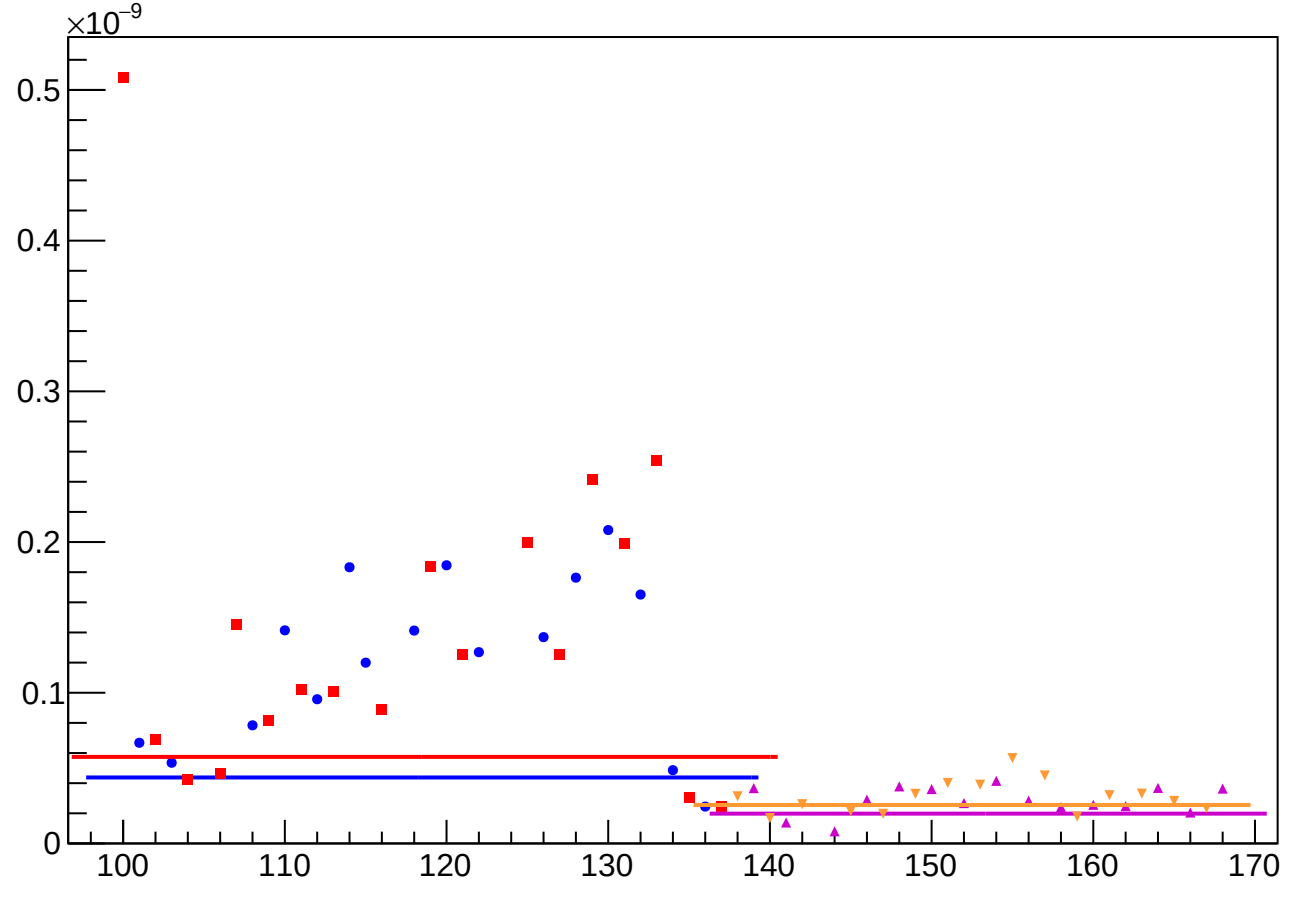
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:36.3/30

Out: 0.000+/-0.000 χ^2/NDF:21.0/32

All: 0.000+/-0.000 χ^2/NDF: 60.2/63

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:966232.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2095408.9/14

Left: 0.000+/-0.000 χ^2/NDF: 3308119.9/29

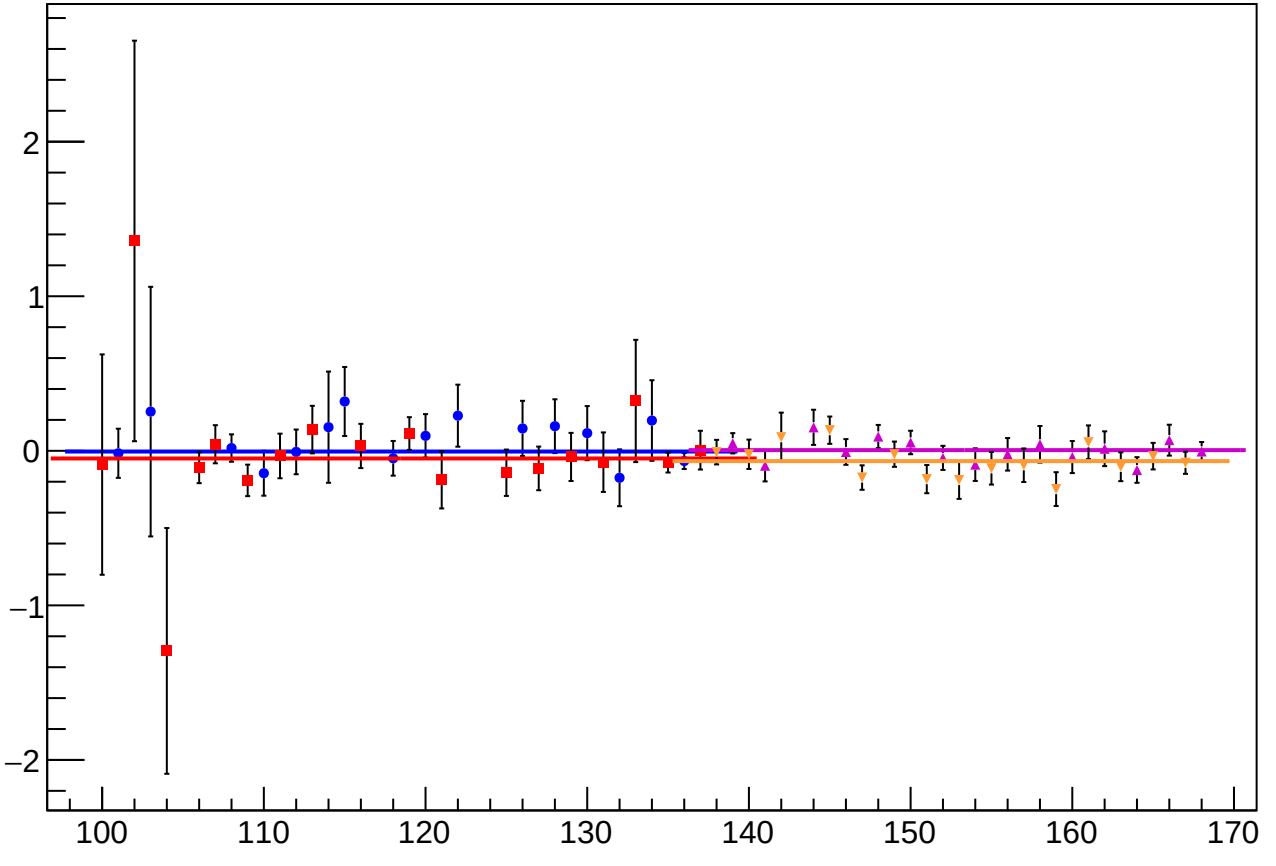
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5213125.2/30

Out: 0.000+/-0.000 χ^2/NDF:4054545.4/32

All: 0.000+/-0.000 χ^2/NDF: 9566998.0/63

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: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.004+/-0.022 χ^2/NDF:9.3/14

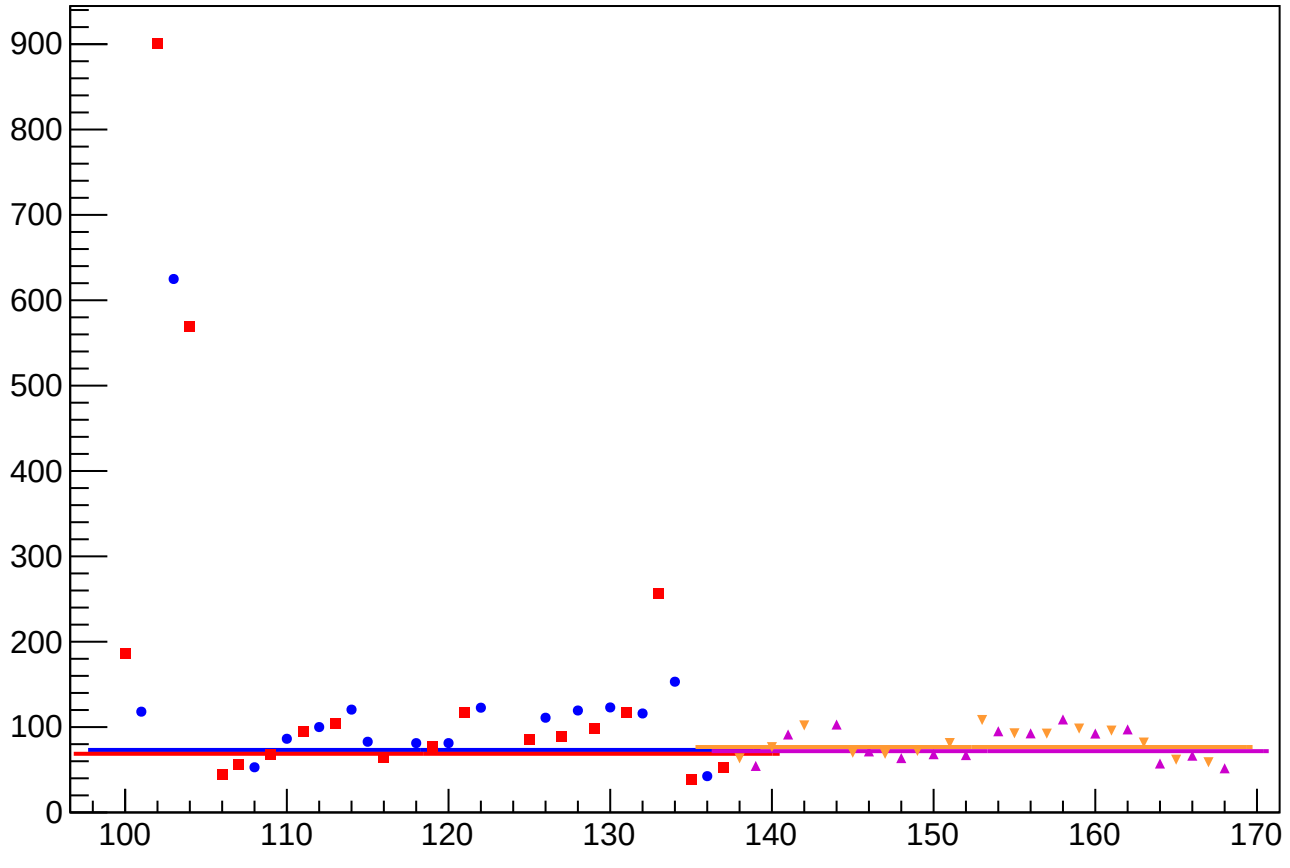
Left: -0.028+/-0.016 χ^2/NDF: 30.2/29

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.001+/-0.018 χ^2/NDF:19.7/30

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.028+/-0.013 χ^2/NDF: 54.5/63



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.810+/-0.016 χ^2/NDF:1234975.1/14

Left: 74.052+/-0.012 χ^2/NDF: 1980989.9/29

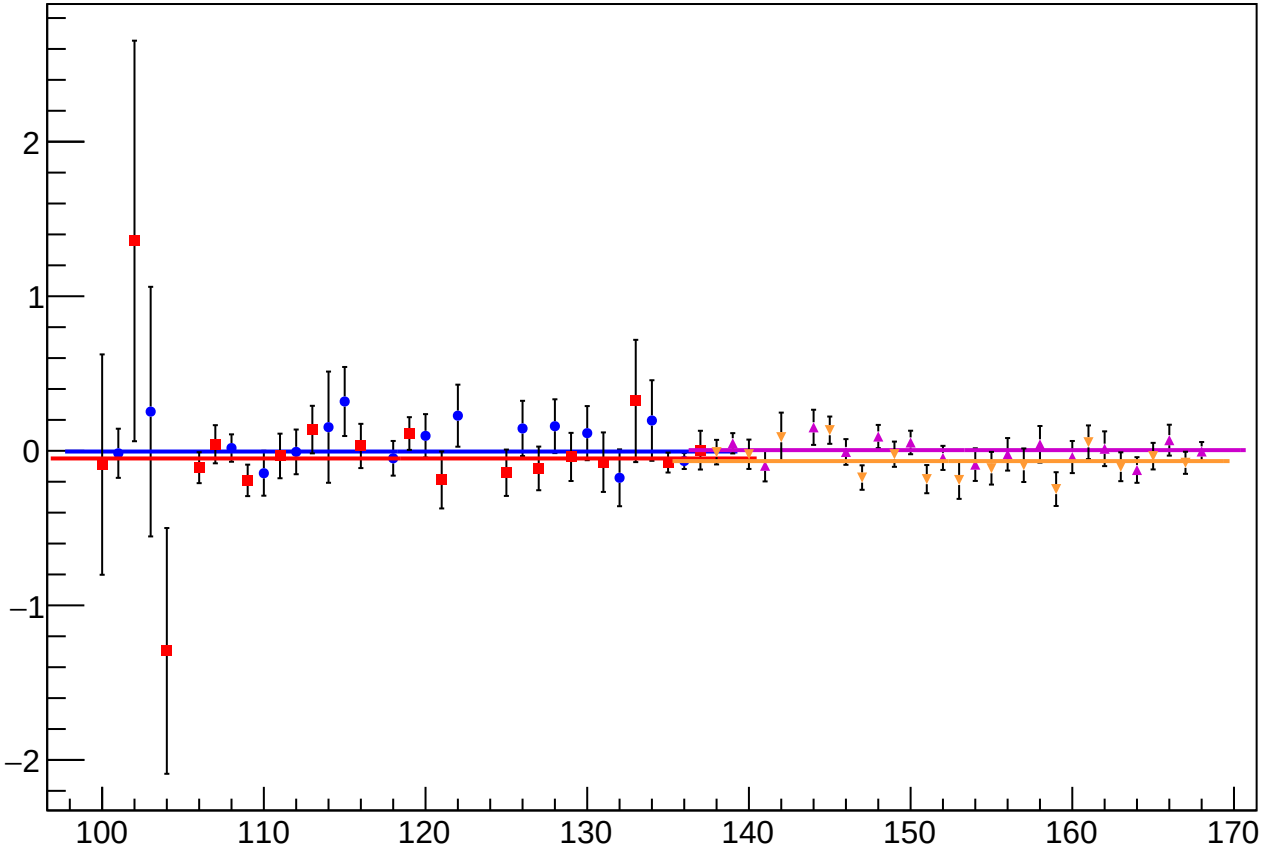
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.273+/-0.013 χ^2/NDF:4092213.3/30

Out: 73.748+/-0.014 χ^2/NDF:4113778.6/32

All: 72.979+/-0.009 χ^2/NDF: 8212165.6/63

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: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.004+/-0.022 χ^2/NDF:9.3/14

Left: -0.028+/-0.016 χ^2/NDF: 30.2/29

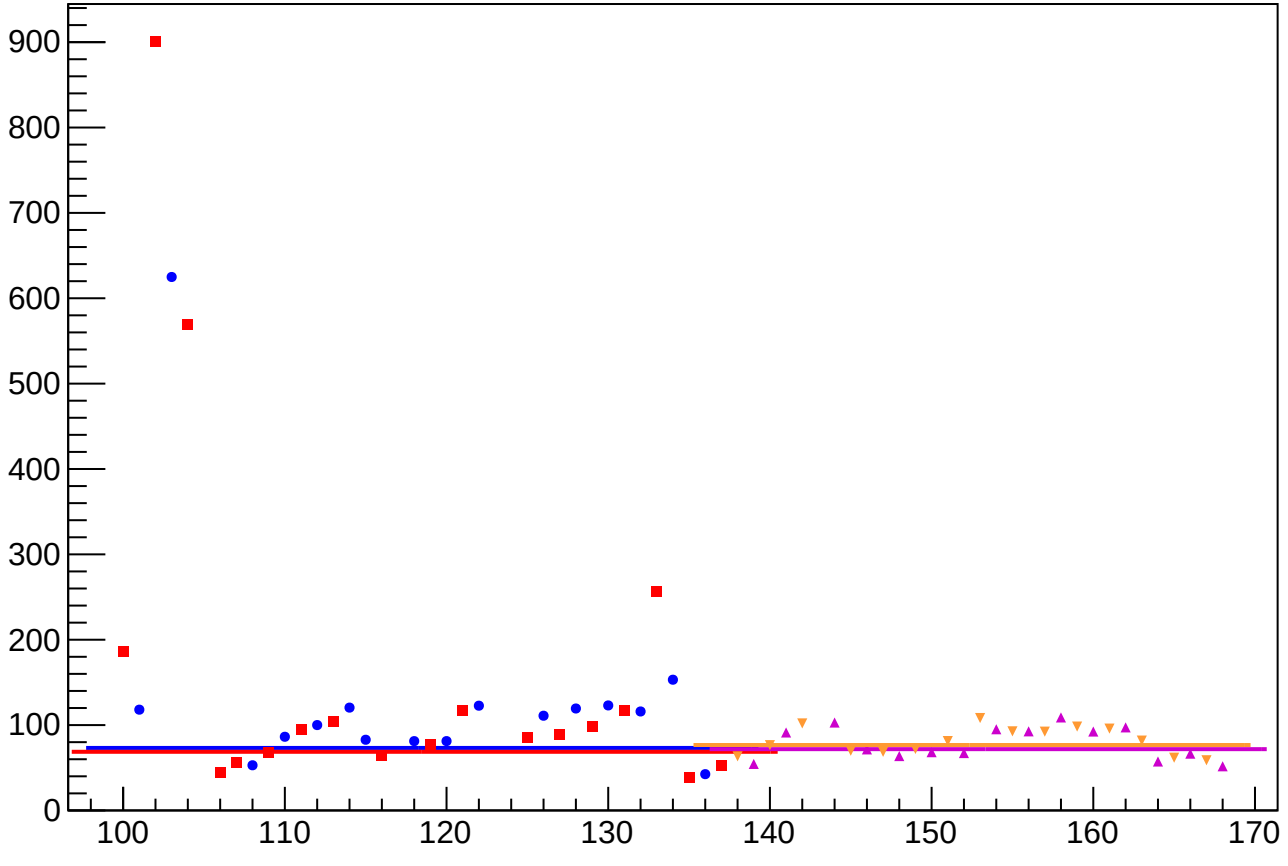
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.001+/-0.018 χ^2/NDF:19.7/30

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.028+/-0.013 χ^2/NDF: 54.5/63

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.659+/-0.017 χ^2/NDF:702493.6/14

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.810+/-0.016 χ^2/NDF:1234975.1/14

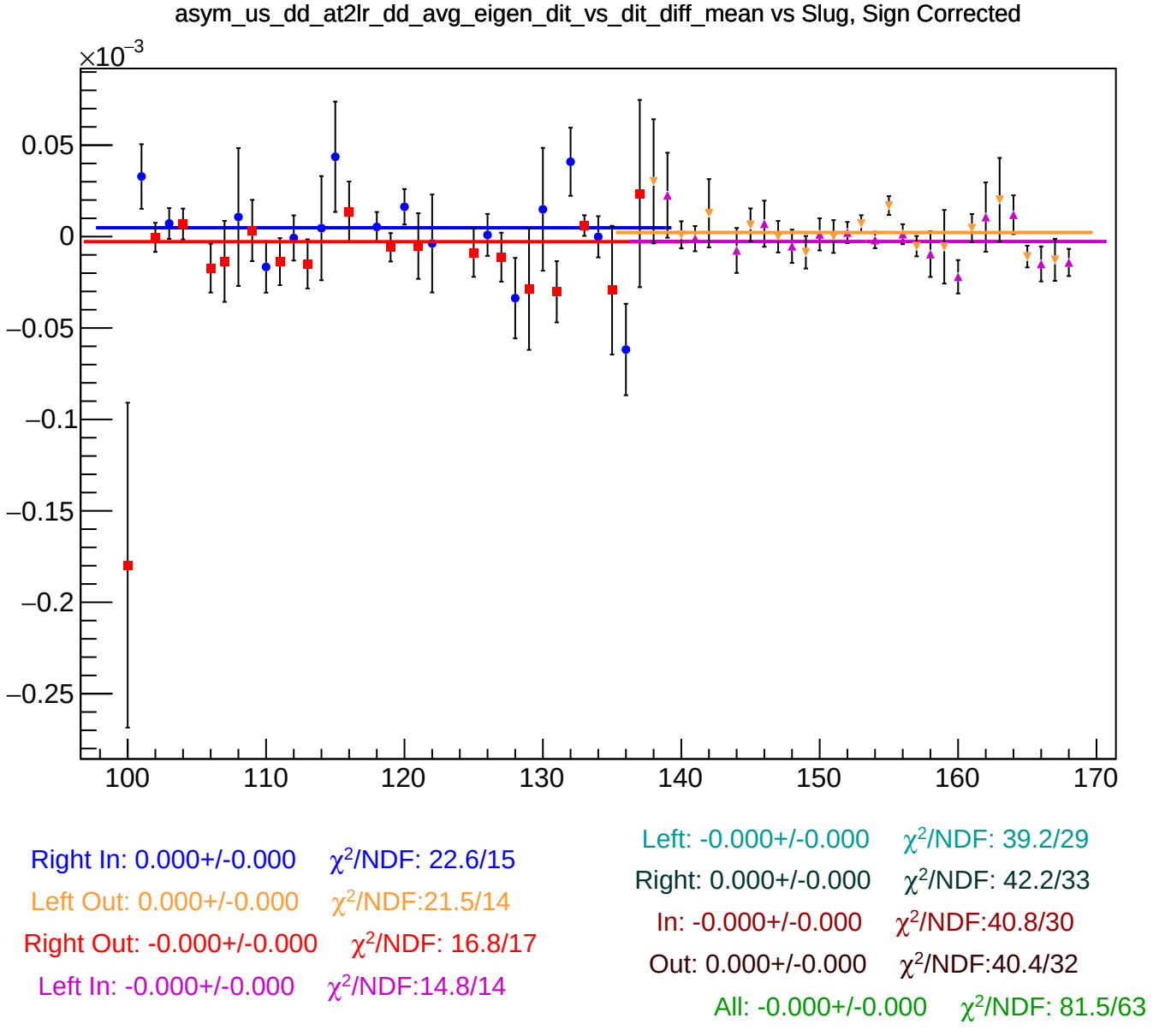
Left: 74.052+/-0.012 χ^2/NDF: 1980989.9/29

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

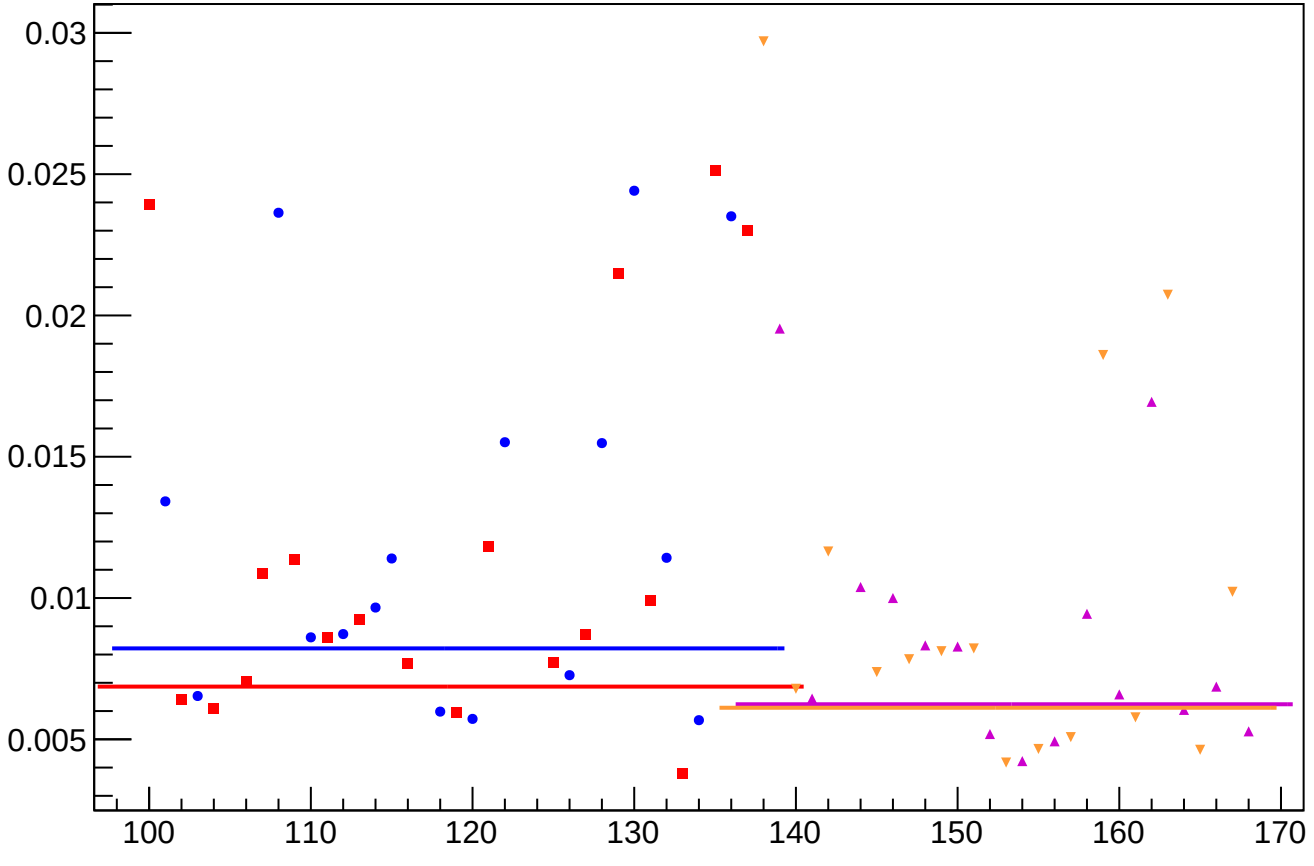
In: 72.273+/-0.013 χ^2/NDF:4092213.3/30

Out: 73.748+/-0.014 χ^2/NDF:4113778.6/32

All: 72.979+/-0.009 χ^2/NDF: 8212165.6/63


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:21.5/14
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:14.8/14
Left: -0.000+/-0.000 χ²/NDF: 39.2/29
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:40.8/30
Out: 0.000+/-0.000 χ²/NDF:40.4/32
All: -0.000+/-0.000 χ²/NDF: 81.5/63

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:4044718.2/14

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2670670.7/14

Left: 0.006+/-0.000 χ^2/NDF: 6719035.3/29

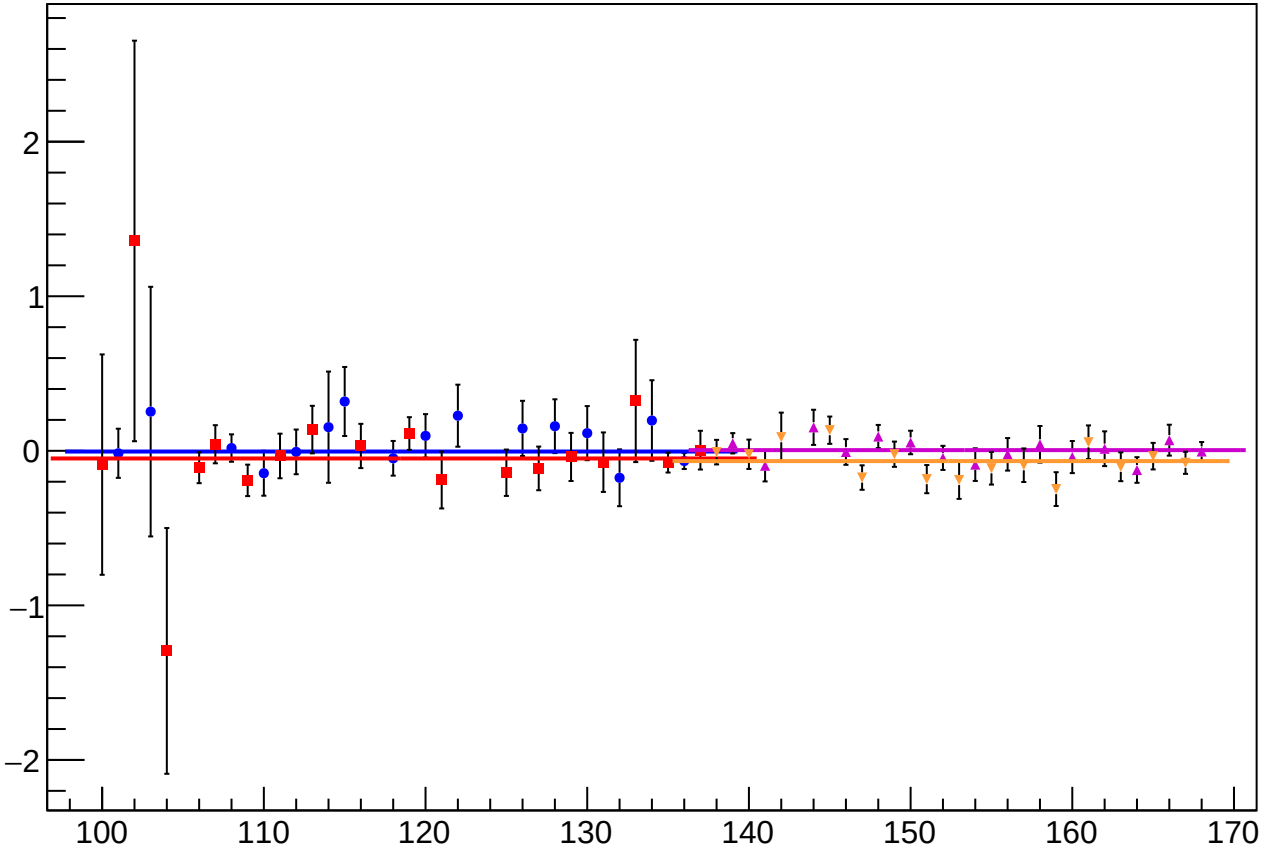
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5801131.7/30

Out: 0.006+/-0.000 χ^2/NDF:6563916.0/32

All: 0.007+/-0.000 χ^2/NDF: 12416435.5/63

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: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.004+/-0.022 χ^2/NDF:9.3/14

Left: -0.028+/-0.016 χ^2/NDF: 30.2/29

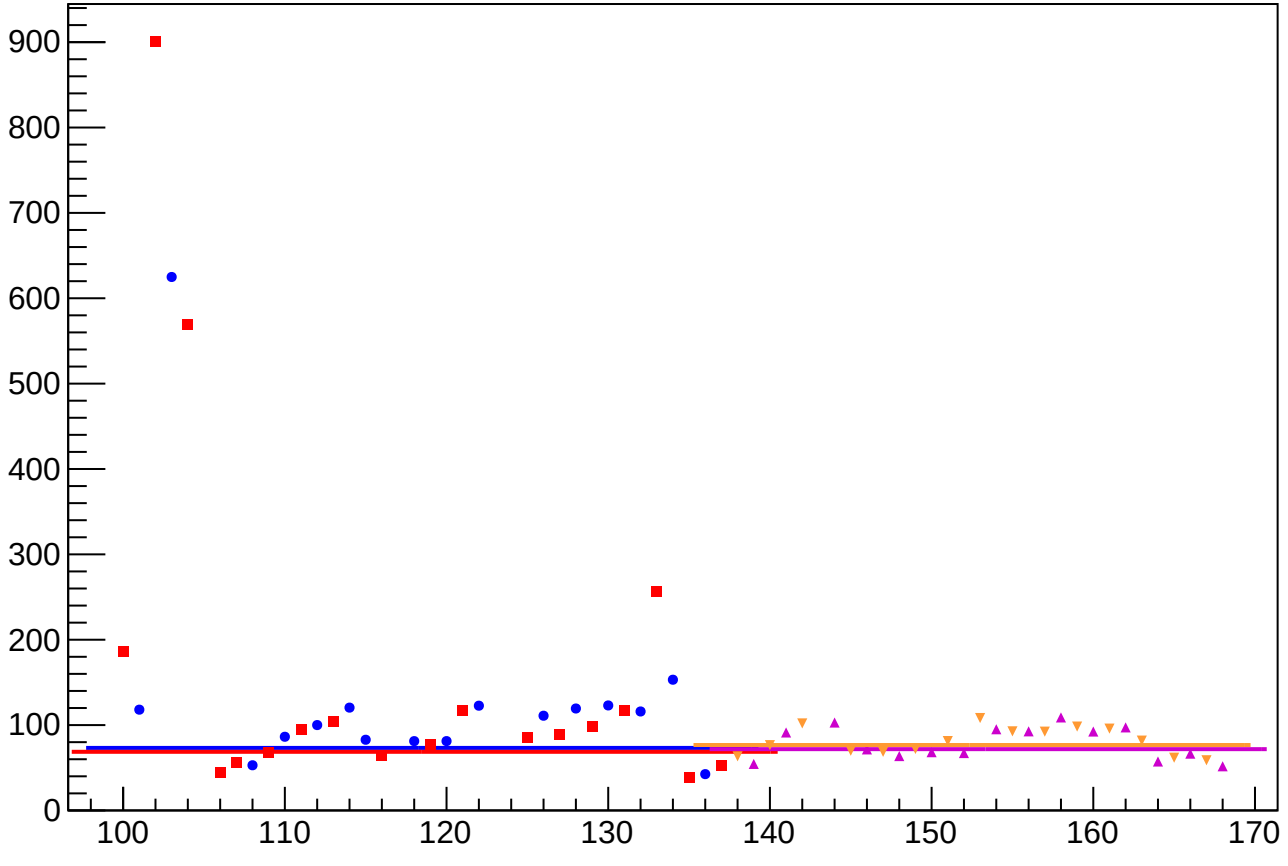
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.001+/-0.018 χ^2/NDF:19.7/30

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.028+/-0.013 χ^2/NDF: 54.5/63

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF:702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.812+/-0.016 χ^2/NDF:1234724.9/14

Left: 74.053+/-0.012 χ^2/NDF: 1980605.4/29

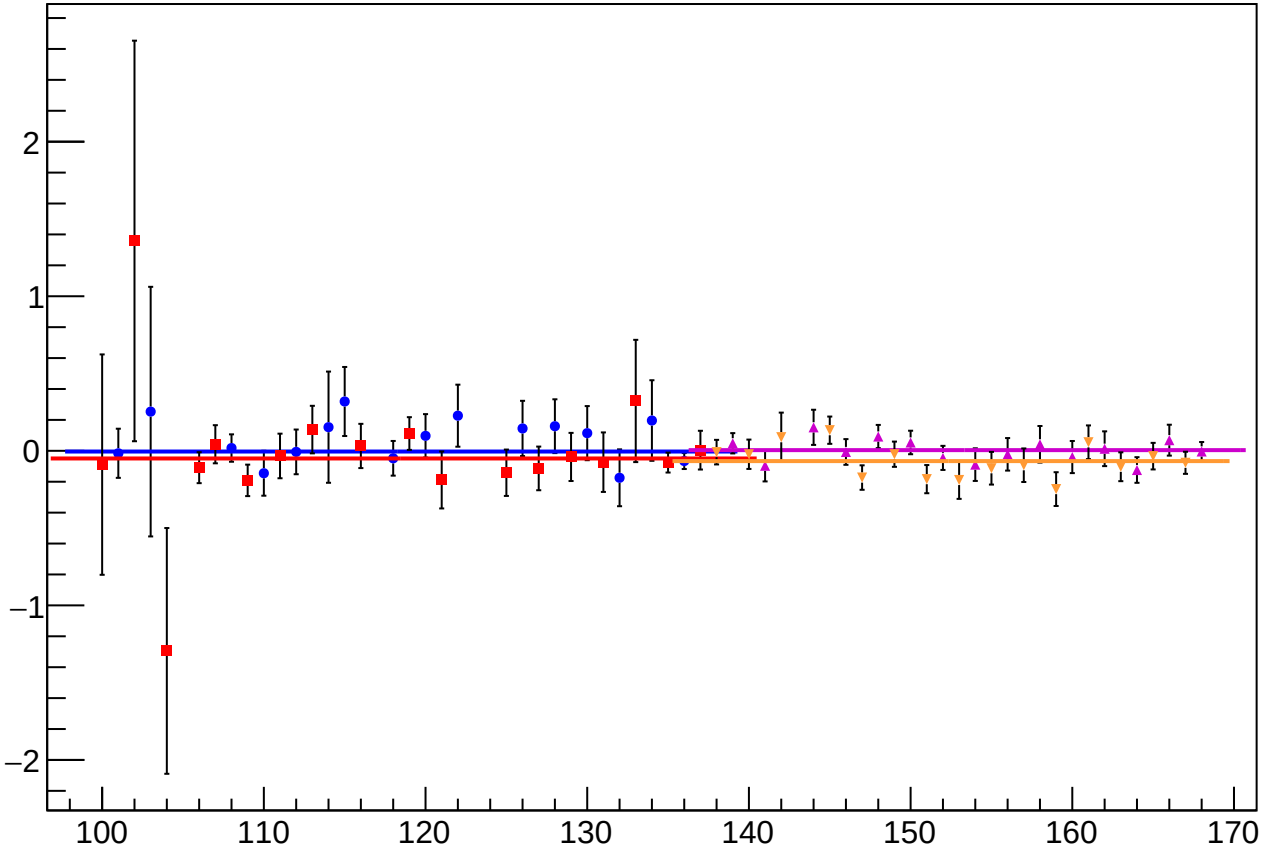
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.282+/-0.013 χ^2/NDF:4089756.5/30

Out: 73.743+/-0.014 χ^2/NDF:4114902.2/32

All: 72.981+/-0.009 χ^2/NDF: 8210720.1/63

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: -0.067+/-0.024 χ^2/NDF:16.1/14

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.004+/-0.022 χ^2/NDF:9.3/14

Left: -0.028+/-0.016 χ^2/NDF: 30.2/29

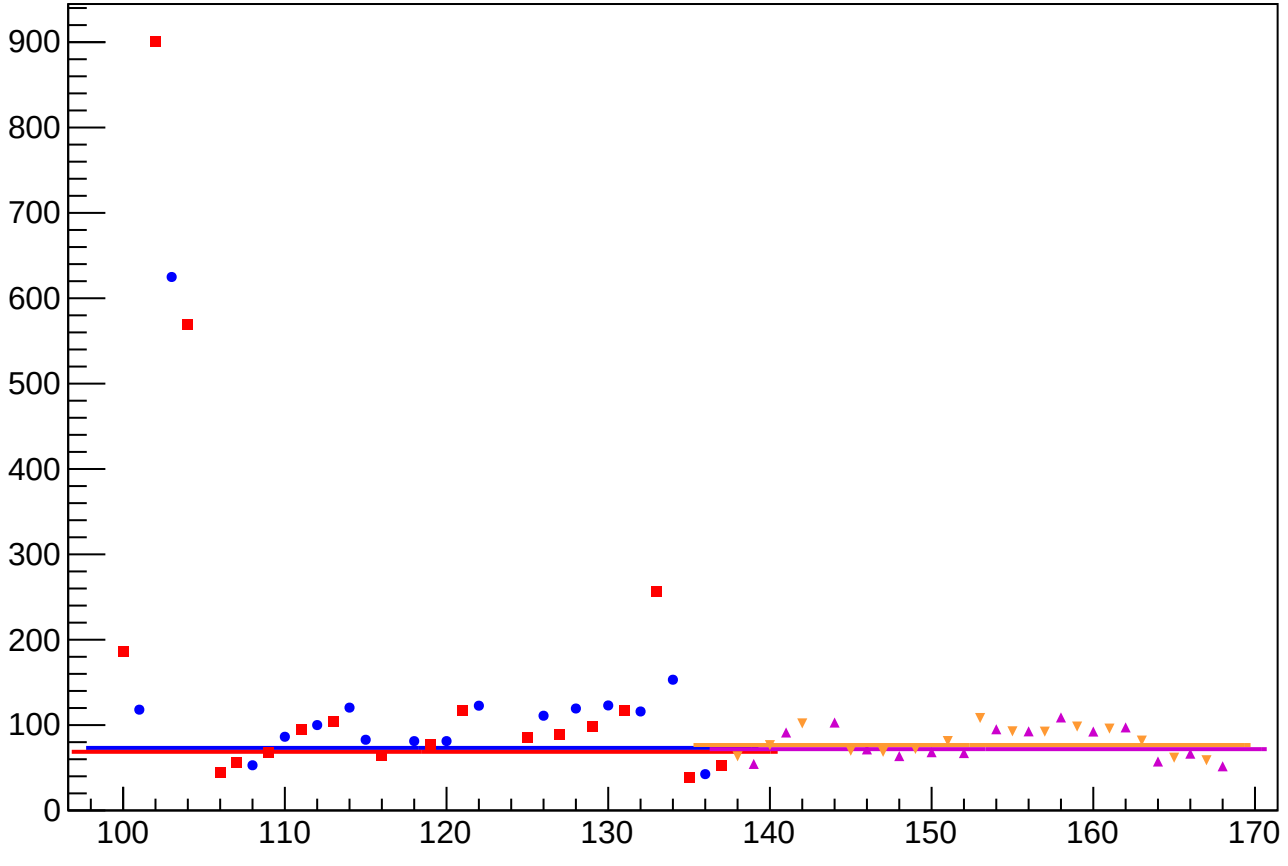
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.001+/-0.018 χ^2/NDF:19.7/30

Out: -0.060+/-0.019 χ^2/NDF:29.4/32

All: -0.028+/-0.013 χ^2/NDF: 54.5/63

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.658+/-0.017 χ^2/NDF:702387.0/14

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.812+/-0.016 χ^2/NDF:1234724.9/14

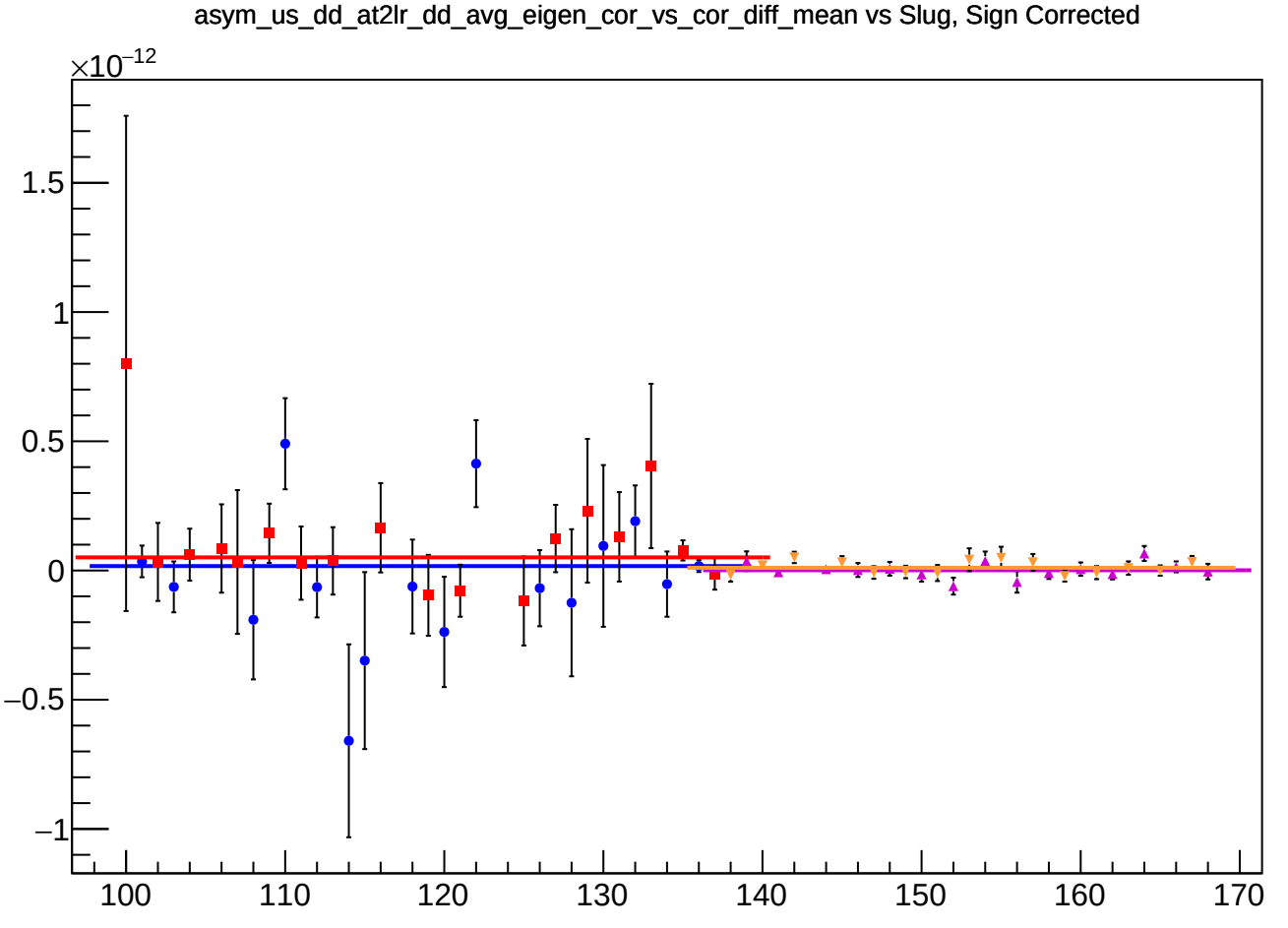
Left: 74.053+/-0.012 χ^2/NDF: 1980605.4/29

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.282+/-0.013 χ^2/NDF:4089756.5/30

Out: 73.743+/-0.014 χ^2/NDF:4114902.2/32

All: 72.981+/-0.009 χ^2/NDF: 8210720.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/14

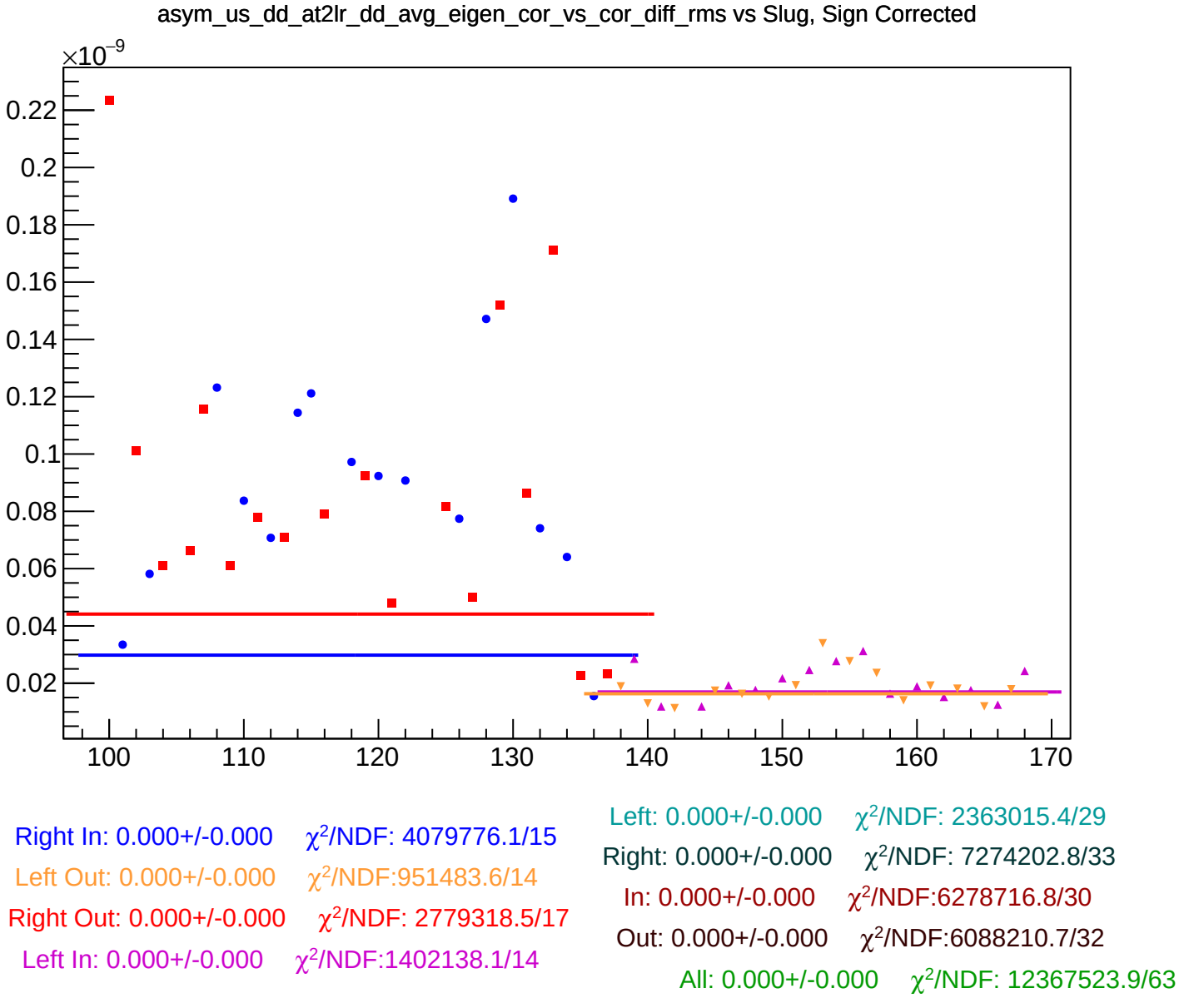
Left: 0.000+/-0.000 χ^2/NDF: 27.0/29

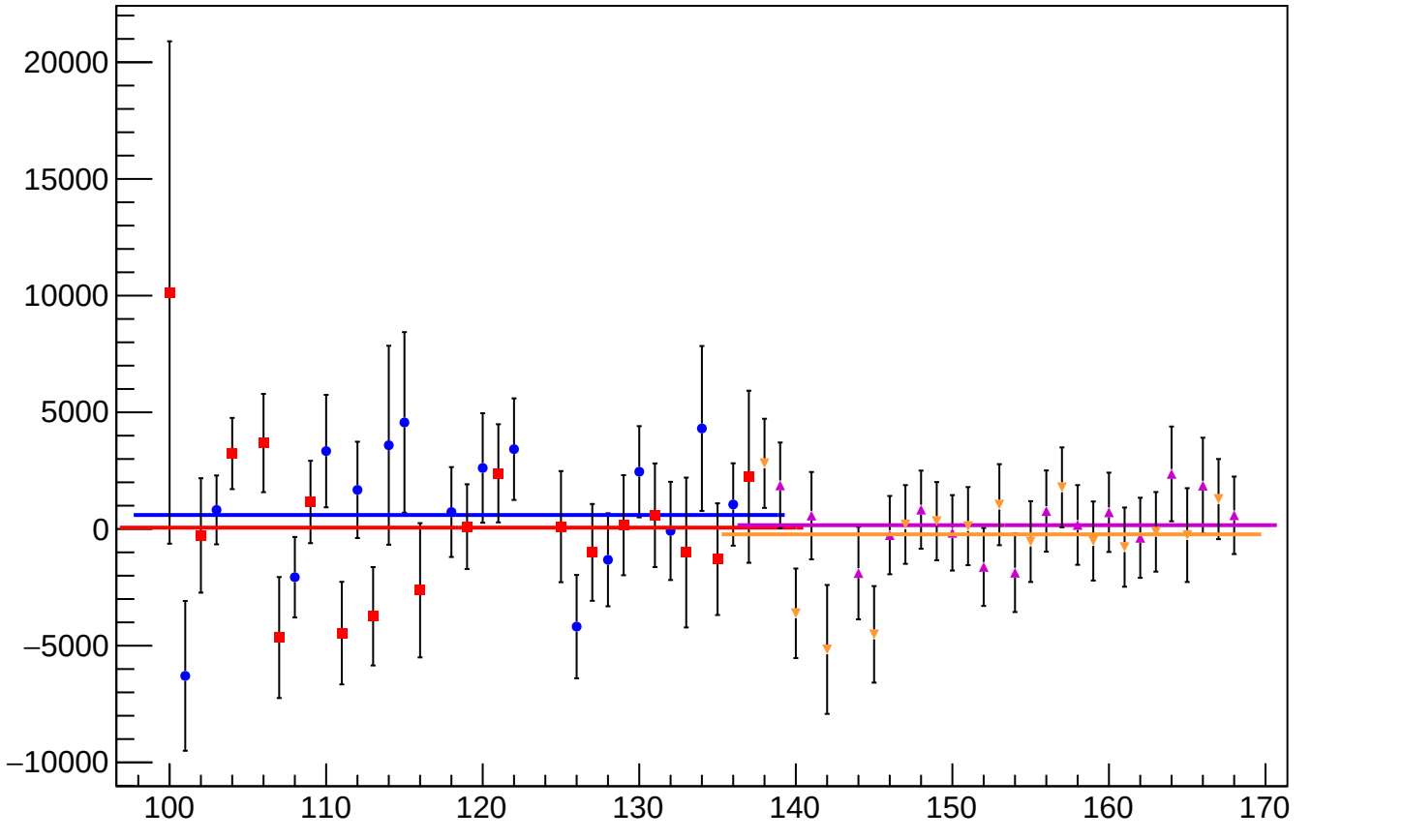
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

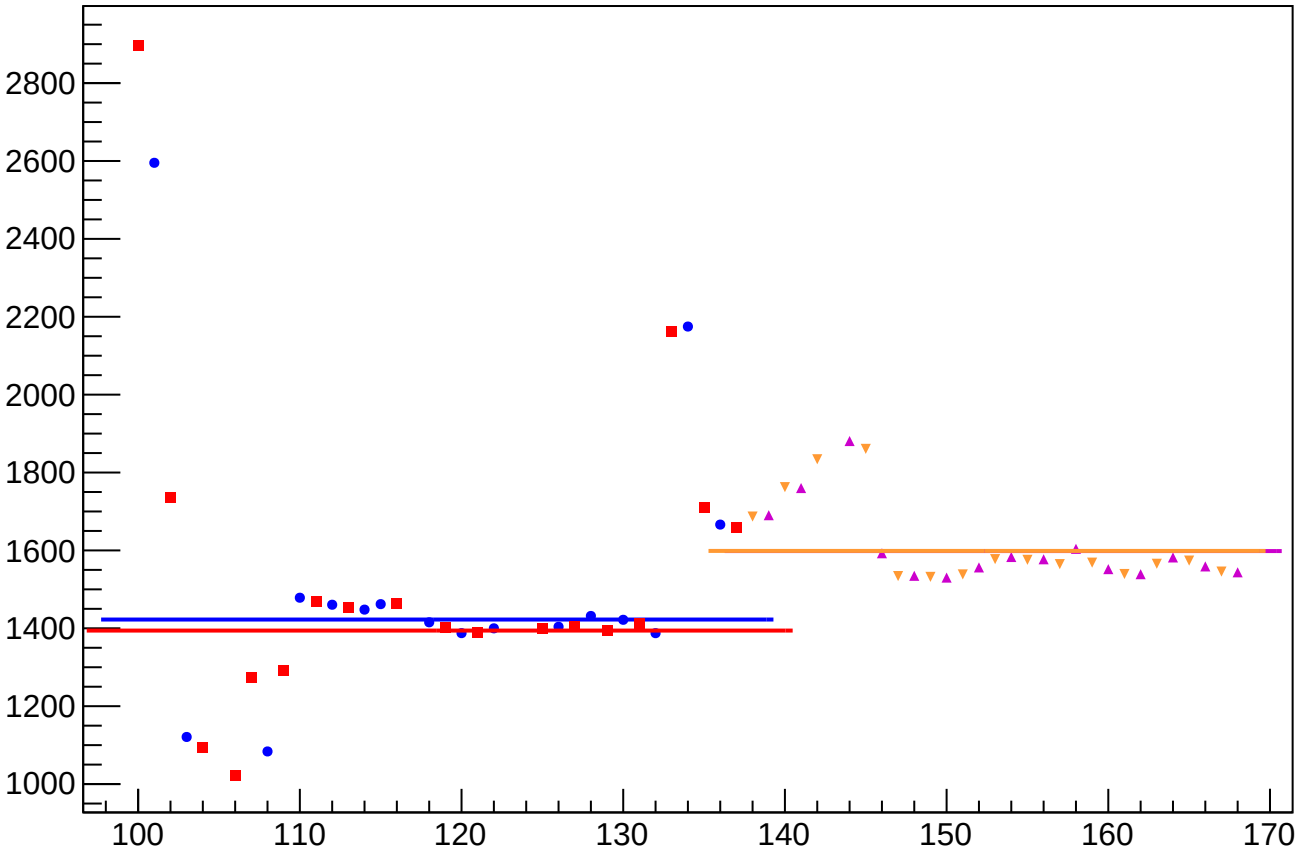
In: 0.000+/-0.000 χ^2/NDF:37.3/30

Out: 0.000+/-0.000 χ^2/NDF:24.0/32

All: 0.000+/-0.000 χ^2/NDF: 62.9/63


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
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:951483.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1402138.1/14
Left: 0.000+/-0.000 χ²/NDF: 2363015.4/29
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6278716.8/30
Out: 0.000+/-0.000 χ²/NDF:6088210.7/32
All: 0.000+/-0.000 χ²/NDF: 12367523.9/63


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: -228.474+/-465.817 χ²/NDF:16.2/14
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: 164.796+/-454.396 χ²/NDF:7.1/14
Left: -26.959+/-325.269 χ²/NDF: 23.7/29
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 345.249+/-347.695 χ²/NDF:27.8/30
Out: -103.204+/-349.945 χ²/NDF:38.9/32
All: 122.469+/-246.649 χ²/NDF: 67.5/63



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.8/14

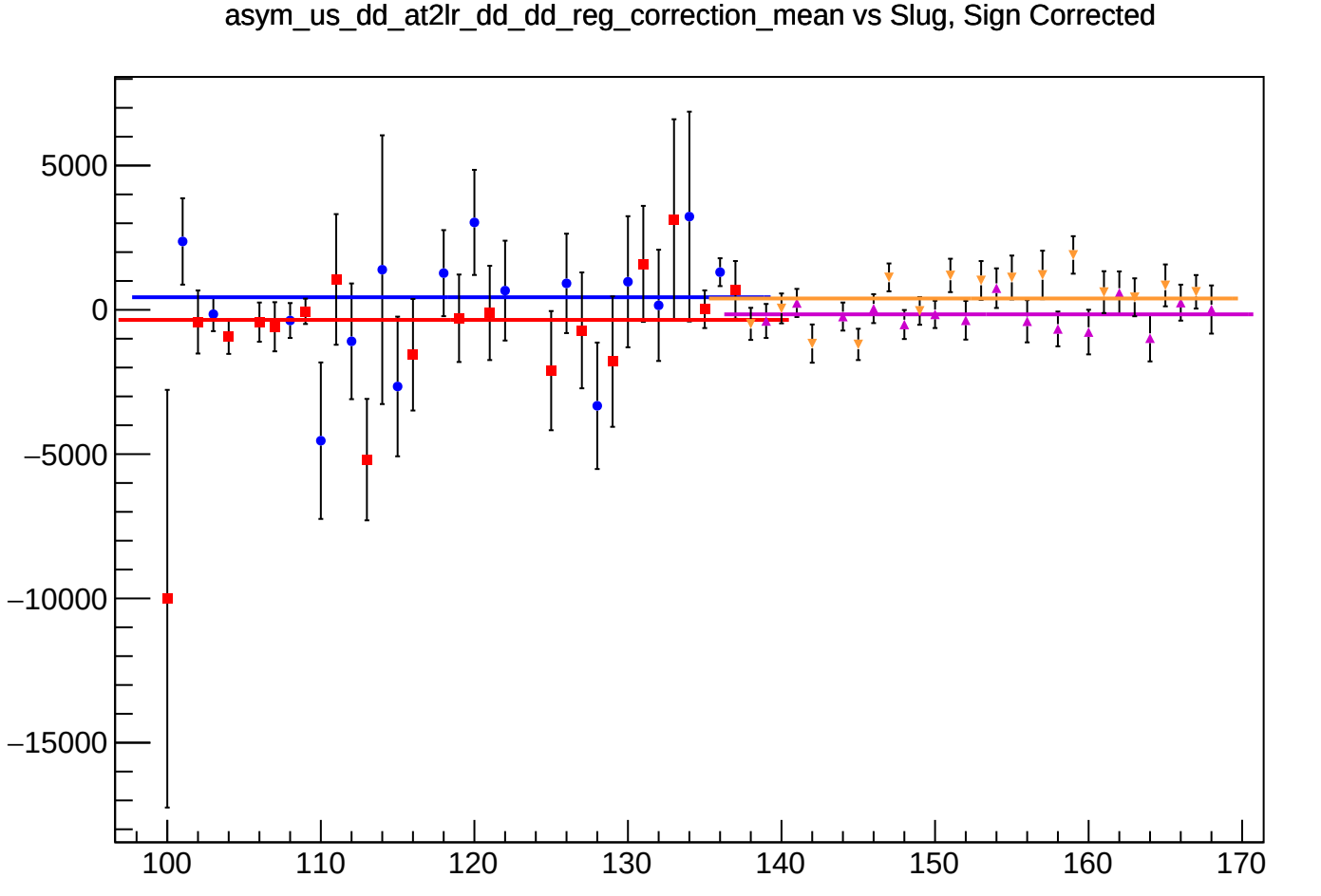
Left: 1598.522+/-0.230 χ^2/NDF: 157333.5/29

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1525.457+/-0.246 χ^2/NDF:760083.6/30

Out: 1509.614+/-0.247 χ^2/NDF:643287.6/32

All: 1517.586+/-0.174 χ^2/NDF: 1405434.0/63



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 393.609+/-156.021 χ^2/NDF:30.9/14

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -155.986+/-154.843 χ^2/NDF:7.3/14

Left: 116.729+/-109.905 χ^2/NDF: 44.4/29

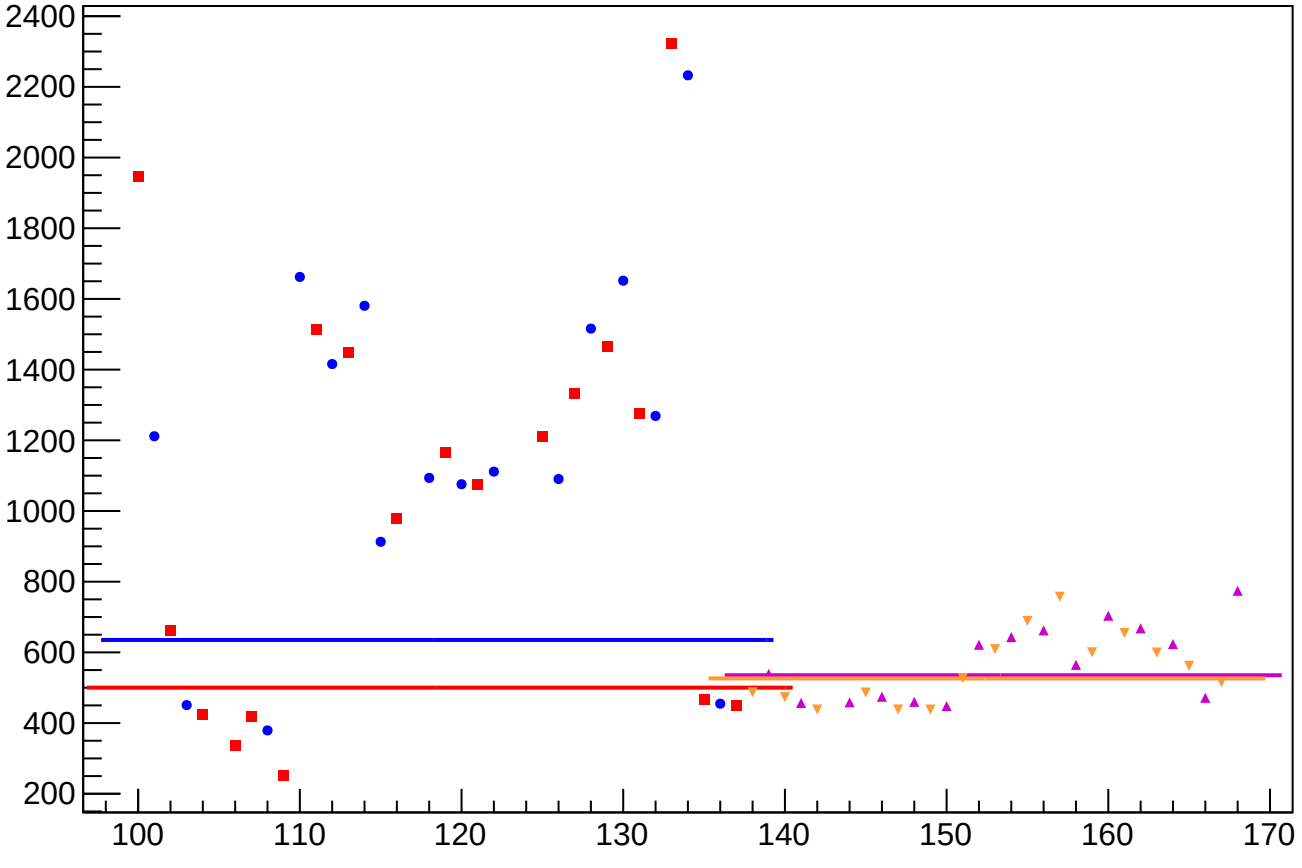
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -14.078+/-135.033 χ^2/NDF:30.1/30

Out: 164.858+/-129.769 χ^2/NDF:51.8/32

All: 78.946+/-93.566 χ^2/NDF: 82.8/63

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: 526.324+/-0.110 χ^2/NDF:603379.5/14

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 535.379+/-0.109 χ^2/NDF:757772.3/14

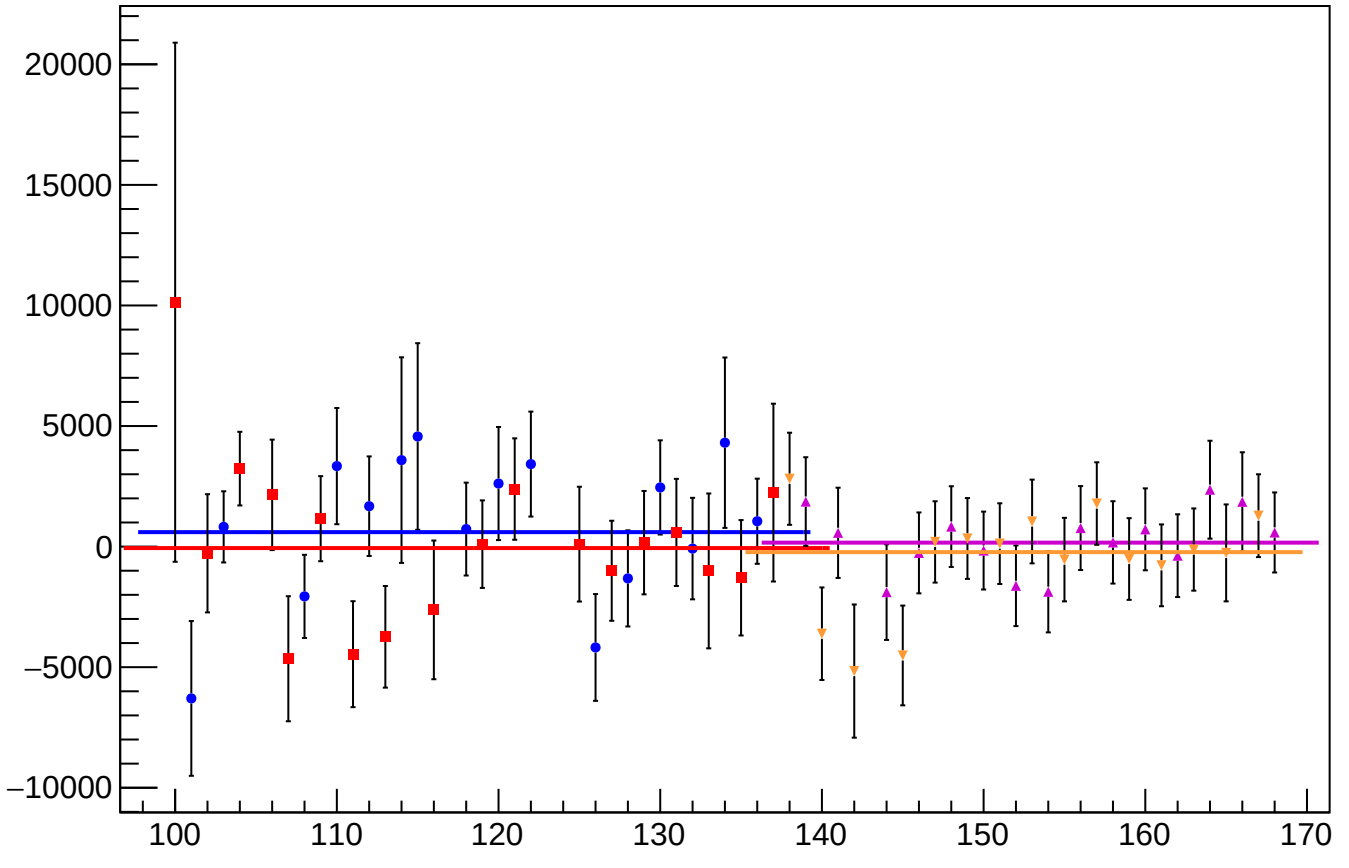
Left: 530.886+/-0.078 χ^2/NDF: 1364545.0/29

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 559.271+/-0.095 χ^2/NDF:4709170.4/30

Out: 518.282+/-0.092 χ^2/NDF:4929713.6/32

All: 537.962+/-0.066 χ^2/NDF: 9734688.2/63



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -228.581+/-465.817 χ^2/NDF:16.2/14

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 164.788+/-454.396 χ^2/NDF:7.1/14

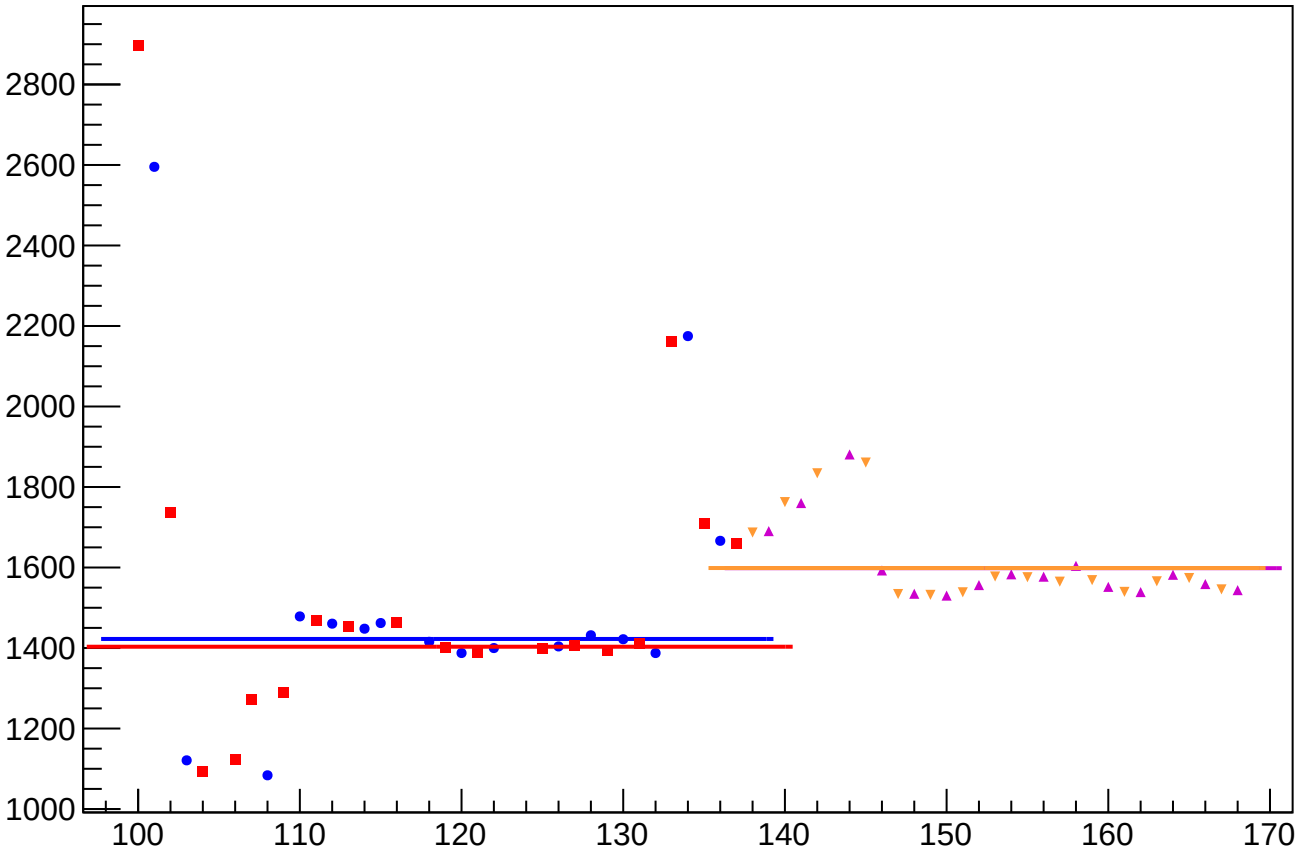
Left: -27.015+/-325.269 χ^2/NDF: 23.7/29

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 345.191+/-347.695 χ^2/NDF:27.8/30

Out: -155.708+/-350.695 χ^2/NDF:36.6/32

All: 96.894+/-246.911 χ^2/NDF: 65.5/63



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.7/14

Left: 1598.522+/-0.230 χ^2/NDF: 157333.4/29

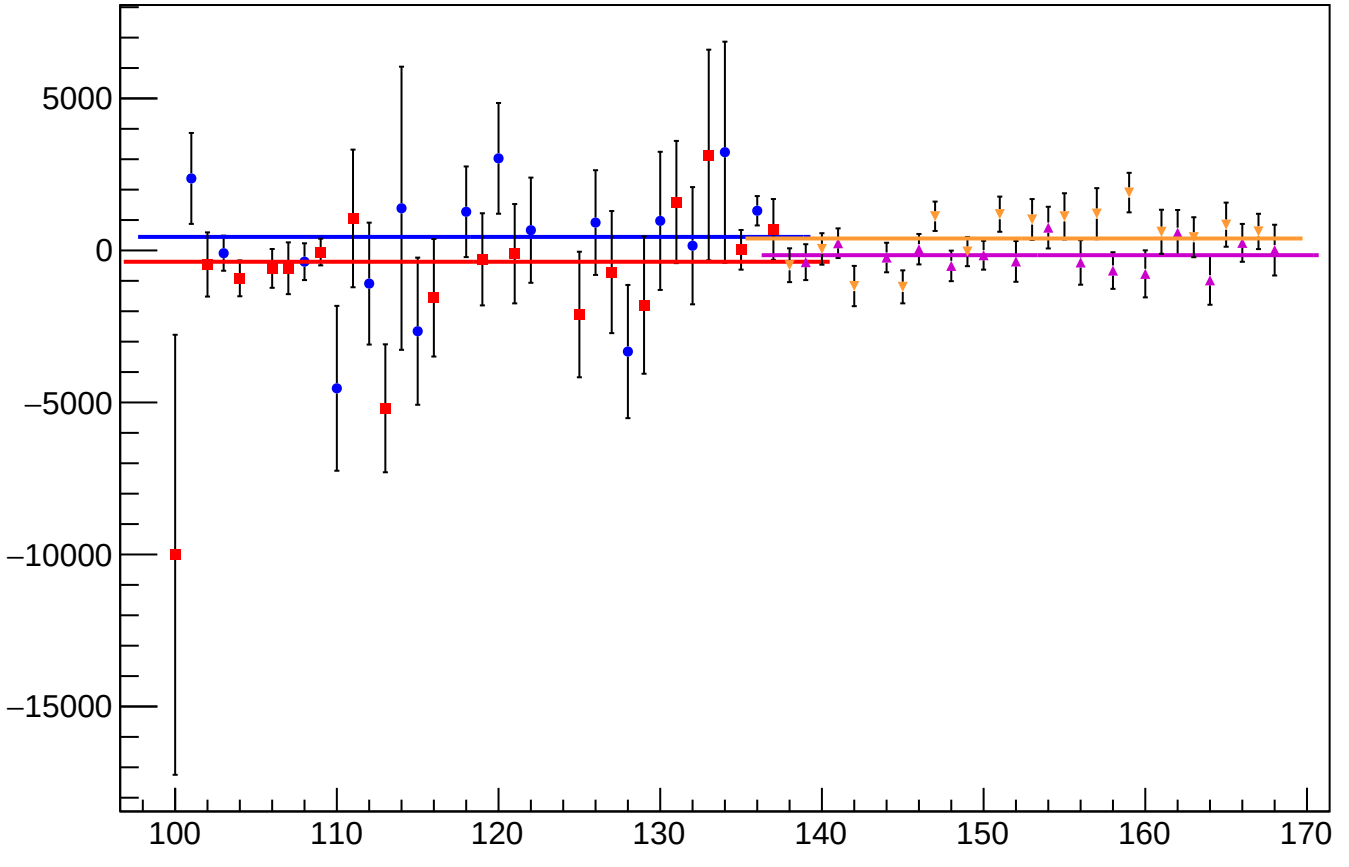
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1525.457+/-0.246 χ^2/NDF:760084.0/30

Out: 1514.029+/-0.248 χ^2/NDF:593346.3/32

All: 1519.792+/-0.175 χ^2/NDF: 1354501.1/63

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -156.021+/-154.842 χ^2/NDF:7.3/14

Left: 116.738+/-109.905 χ^2/NDF: 44.4/29

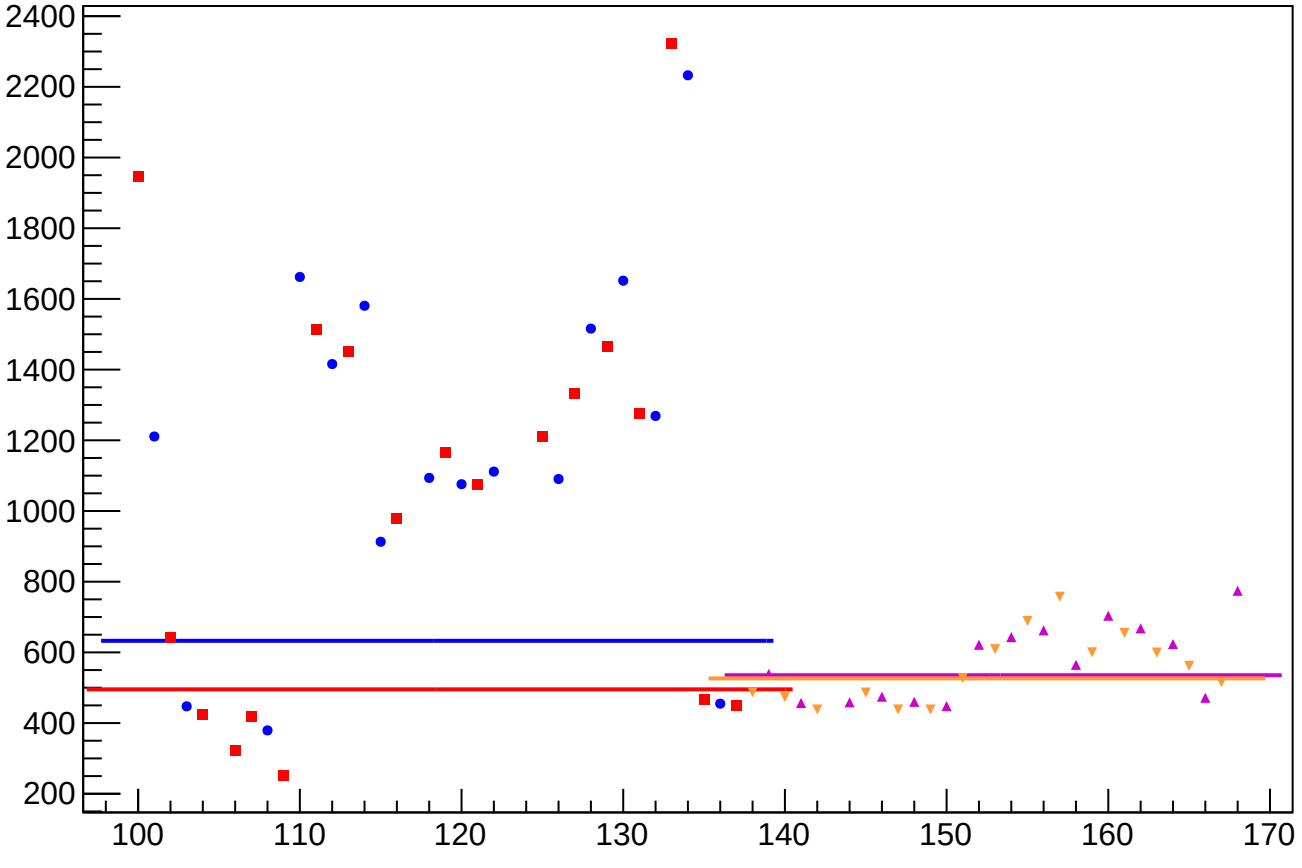
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -11.103+/-134.893 χ^2/NDF:30.1/30

Out: 154.137+/-129.356 χ^2/NDF:52.4/32

All: 74.978+/-93.365 χ^2/NDF: 83.3/63

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: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 535.374+/-0.109 χ^2/NDF:757816.1/14

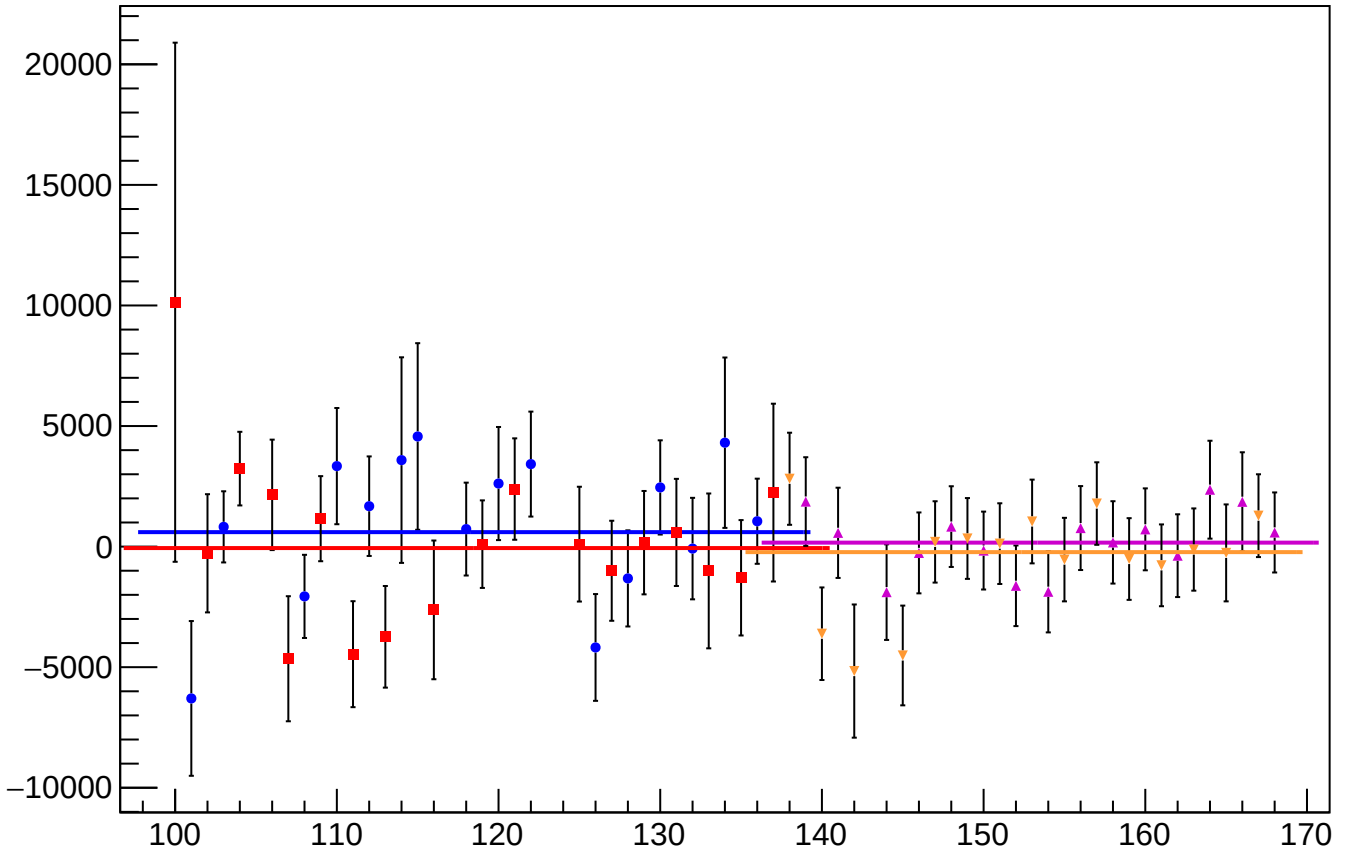
Left: 530.888+/-0.078 χ^2/NDF: 1364463.7/29

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 558.849+/-0.095 χ^2/NDF:4716237.9/30

Out: 516.657+/-0.091 χ^2/NDF:4965360.1/32

All: 536.869+/-0.066 χ^2/NDF: 9783527.1/63


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
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0
−5000
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100
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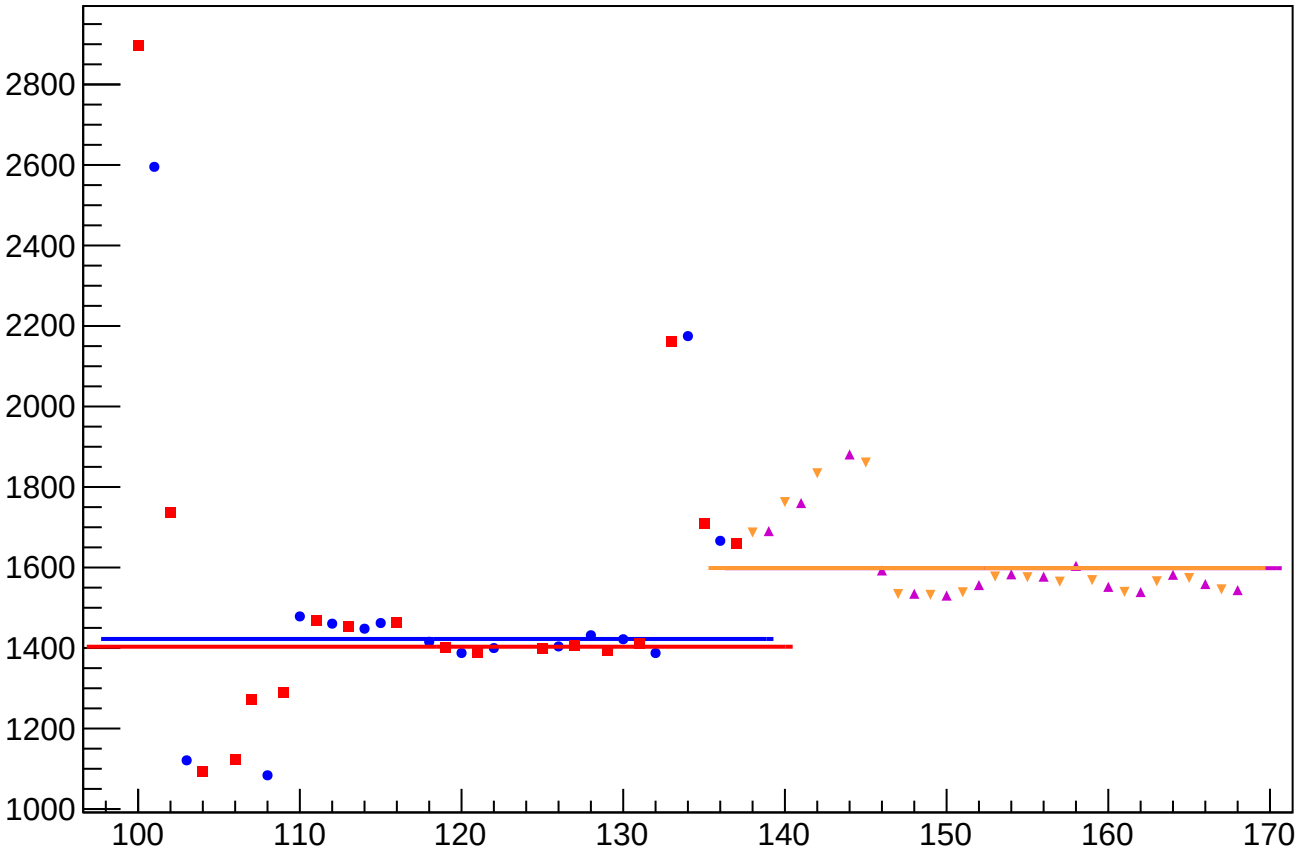
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -228.581+/-465.817 χ²/NDF:16.2/14
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 164.788+/-454.396 χ²/NDF:7.1/14
Left: -27.015+/-325.269 χ²/NDF: 23.7/29
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 345.191+/-347.695 χ²/NDF:27.8/30
Out: -155.708+/-350.695 χ²/NDF:36.6/32
All: 96.894+/-246.911 χ²/NDF: 65.5/63



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1598.721+/-0.329 χ^2/NDF:81621.0/14

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1598.334+/-0.321 χ^2/NDF:75711.7/14

Left: 1598.522+/-0.230 χ^2/NDF: 157333.4/29

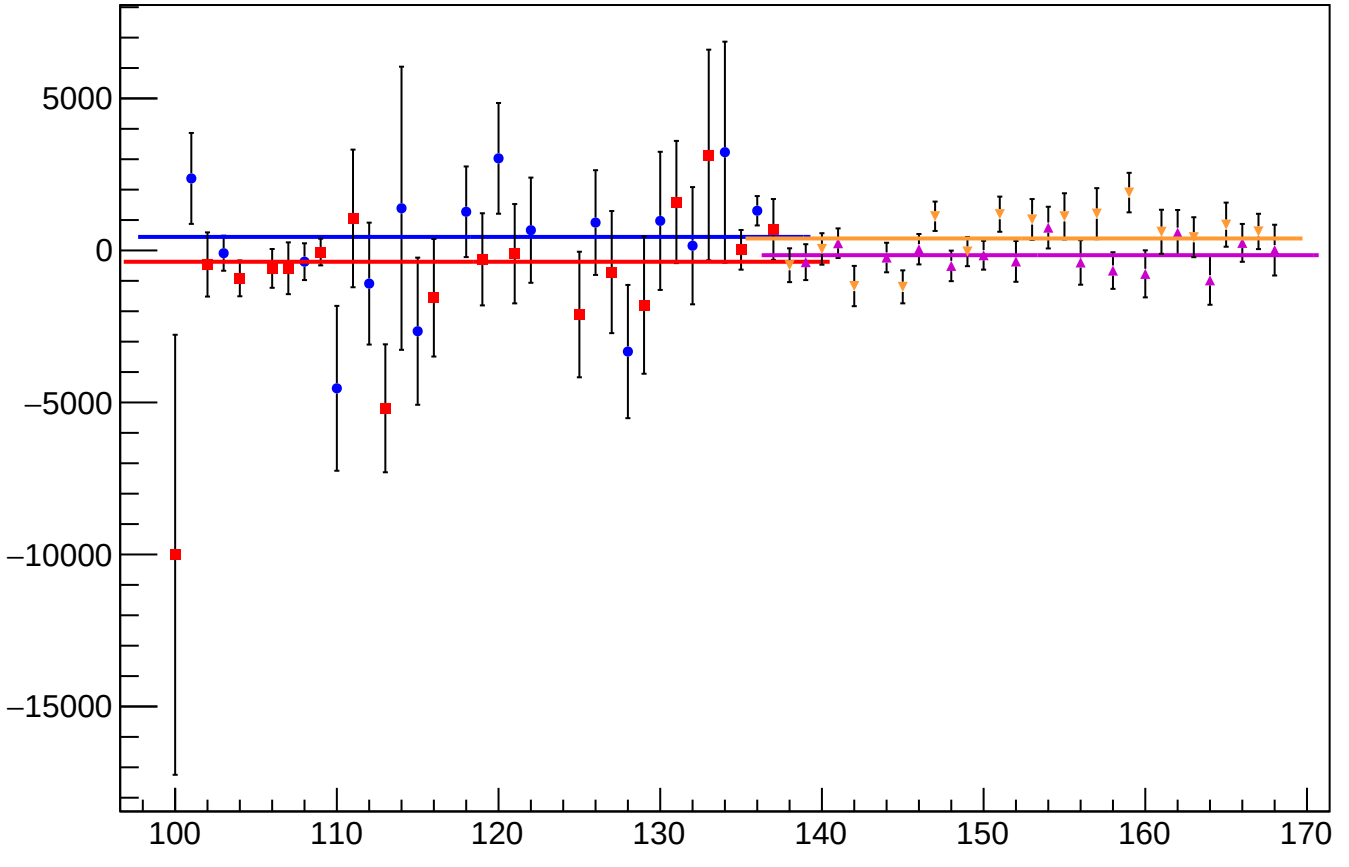
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1525.457+/-0.246 χ^2/NDF:760084.0/30

Out: 1514.029+/-0.248 χ^2/NDF:593346.3/32

All: 1519.792+/-0.175 χ^2/NDF: 1354501.1/63

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 393.676+/-156.024 χ^2/NDF:30.9/14

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -156.021+/-154.842 χ^2/NDF:7.3/14

Left: 116.738+/-109.905 χ^2/NDF: 44.4/29

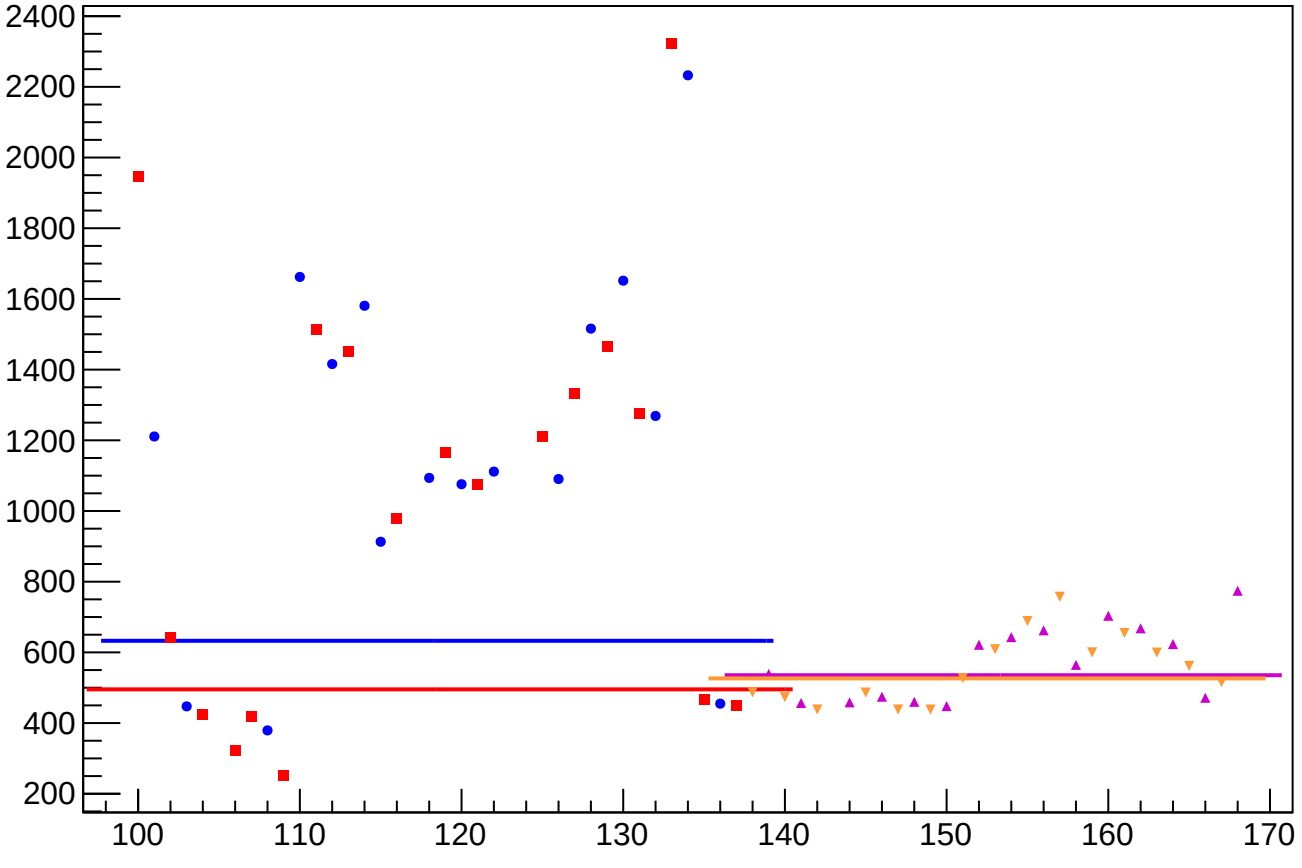
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -11.103+/-134.893 χ^2/NDF:30.1/30

Out: 154.137+/-129.356 χ^2/NDF:52.4/32

All: 74.978+/-93.365 χ^2/NDF: 83.3/63

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: 526.334+/-0.110 χ^2/NDF:603265.4/14

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 535.374+/-0.109 χ^2/NDF:757816.1/14

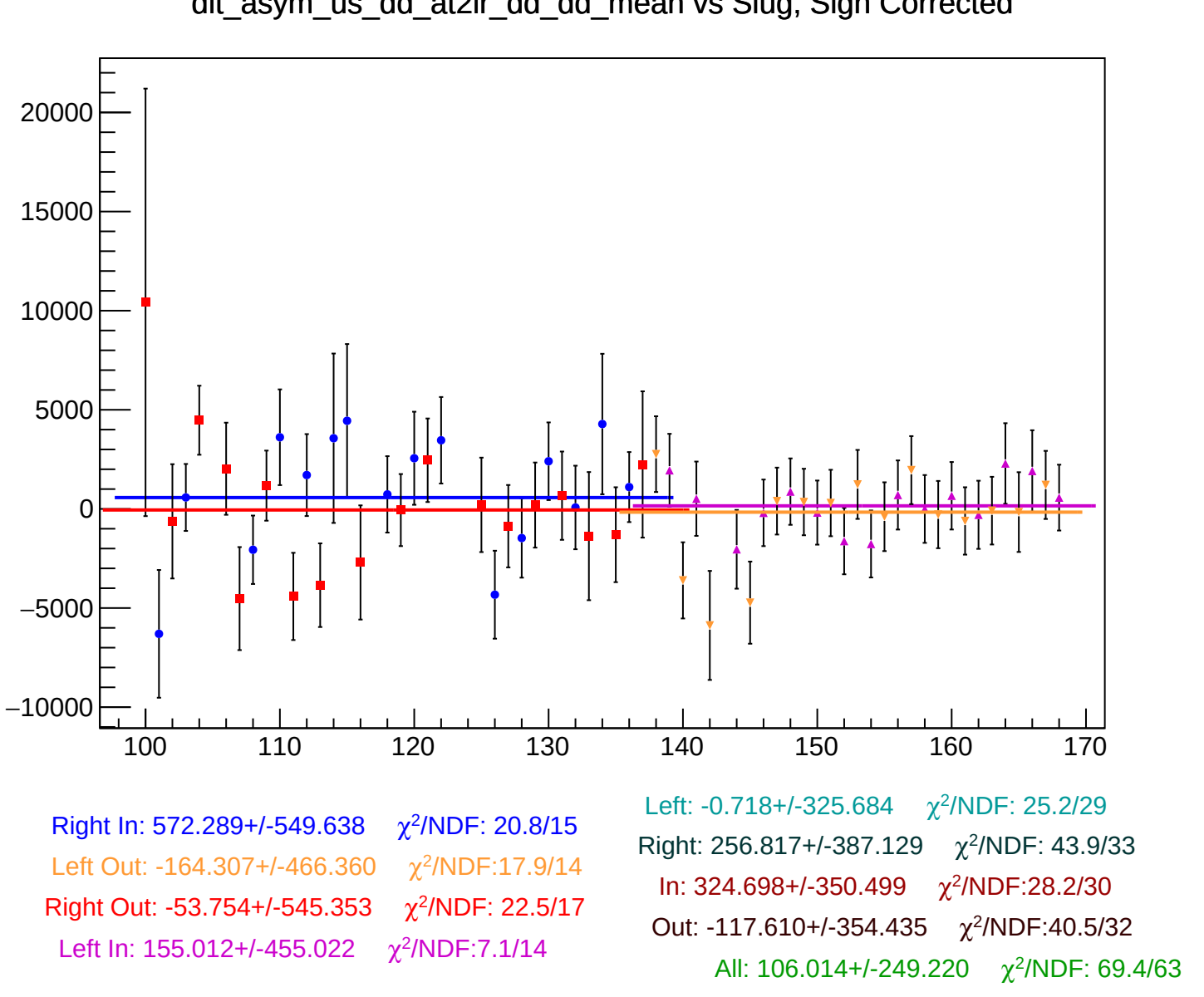
Left: 530.888+/-0.078 χ^2/NDF: 1364463.7/29

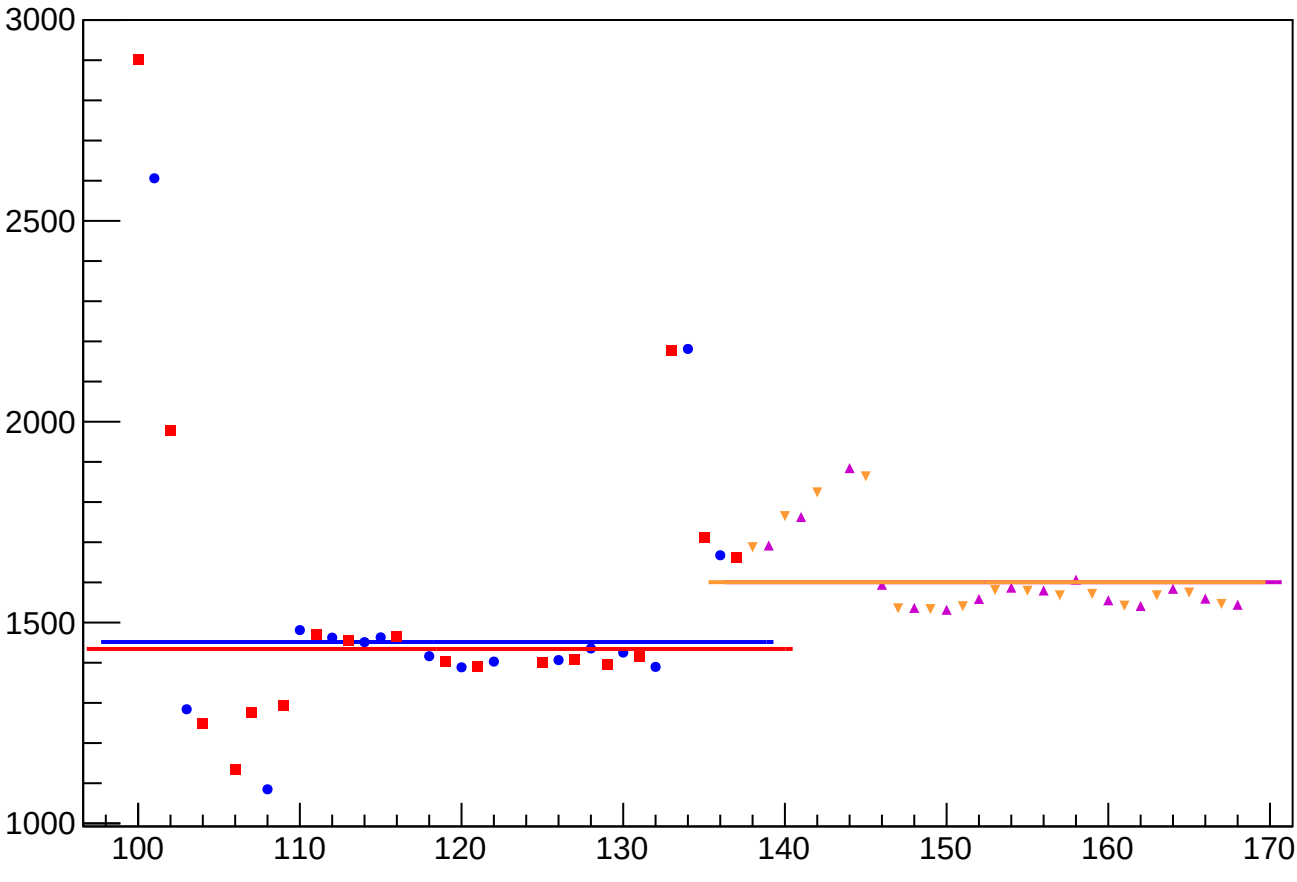
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 558.849+/-0.095 χ^2/NDF:4716237.9/30

Out: 516.657+/-0.091 χ^2/NDF:4965360.1/32

All: 536.869+/-0.066 χ^2/NDF: 9783527.1/63


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -164.307+/-466.360 χ²/NDF:17.9/14
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: 155.012+/-455.022 χ²/NDF:7.1/14
Left: -0.718+/-325.684 χ²/NDF: 25.2/29
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 324.698+/-350.499 χ²/NDF:28.2/30
Out: -117.610+/-354.435 χ²/NDF:40.5/32
All: 106.014+/-249.220 χ²/NDF: 69.4/63



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.7/14

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1600.514+/-0.322 χ^2/NDF:76068.4/14

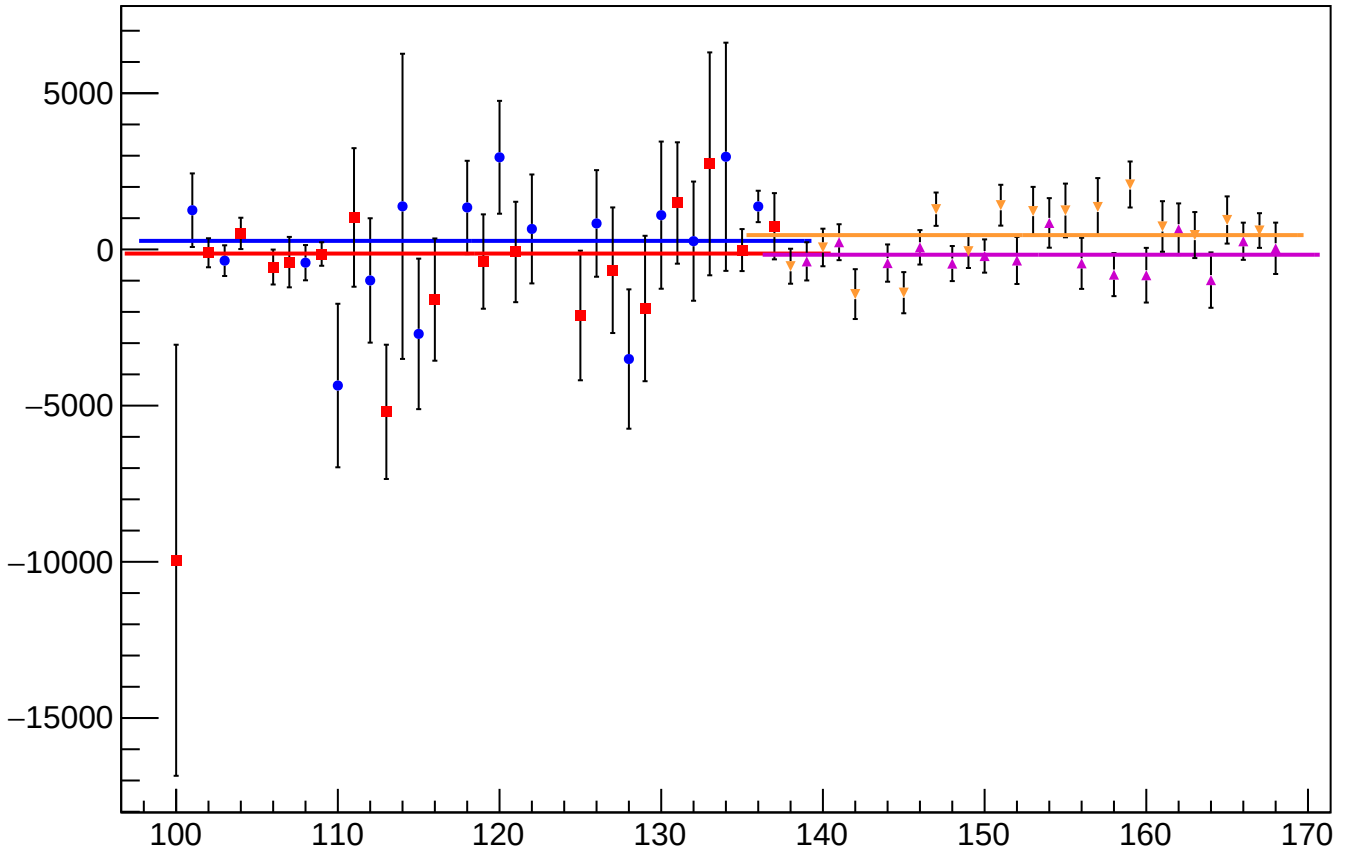
Left: 1600.534+/-0.230 χ^2/NDF: 156448.1/29

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1539.949+/-0.248 χ^2/NDF:651037.6/30

Out: 1530.339+/-0.251 χ^2/NDF:516306.9/32

All: 1535.198+/-0.176 χ^2/NDF: 1168088.0/63



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 458.196+/-172.601 χ^2/NDF:30.7/14

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -169.872+/-171.995 χ^2/NDF:6.9/14

Left: 143.057+/-121.833 χ^2/NDF: 44.3/29

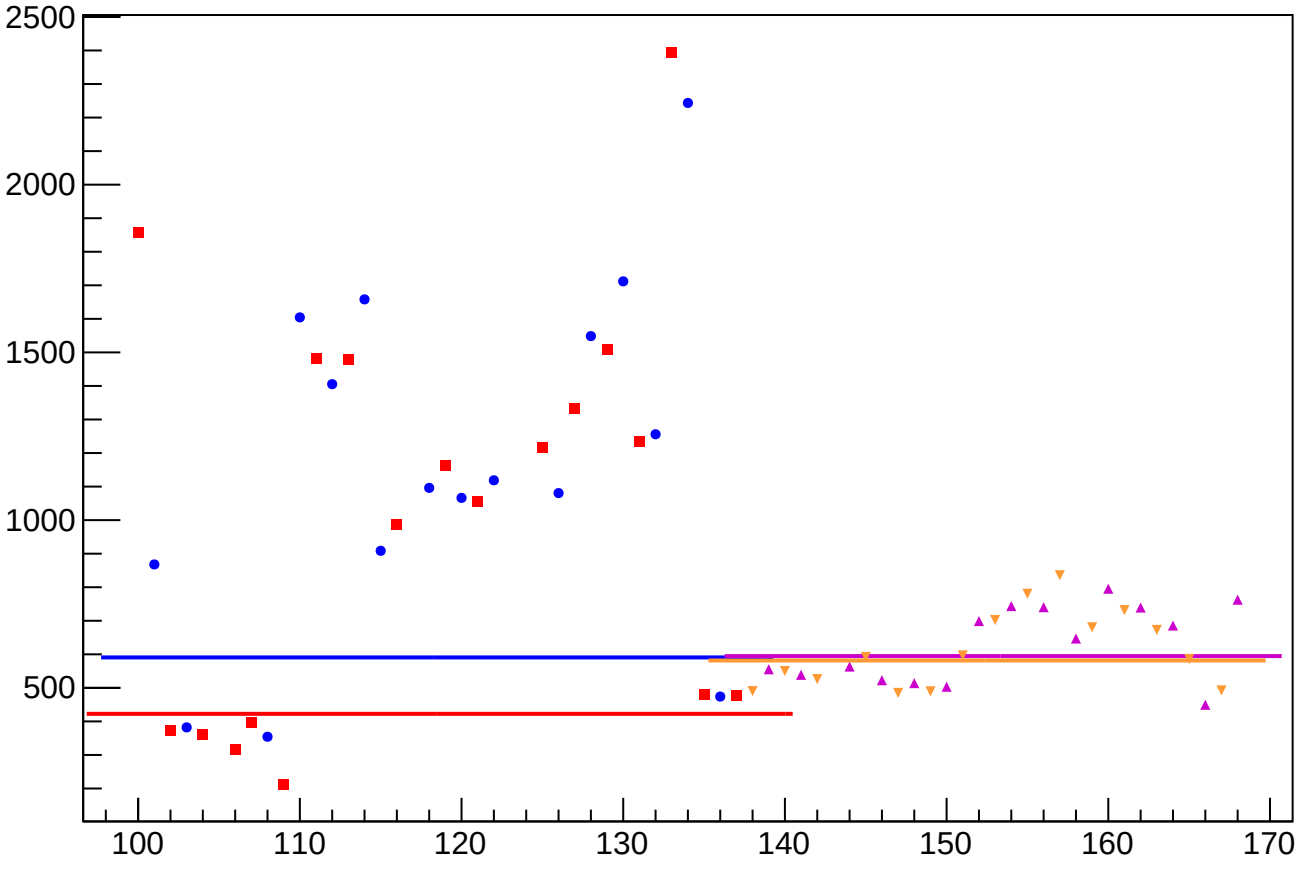
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -35.315+/-143.538 χ^2/NDF:29.1/30

Out: 200.064+/-129.515 χ^2/NDF:50.3/32

All: 94.431+/-96.158 χ^2/NDF: 80.9/63

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 581.581+/-0.122 χ^2/NDF:687734.9/14

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 594.796+/-0.122 χ^2/NDF:740996.9/14

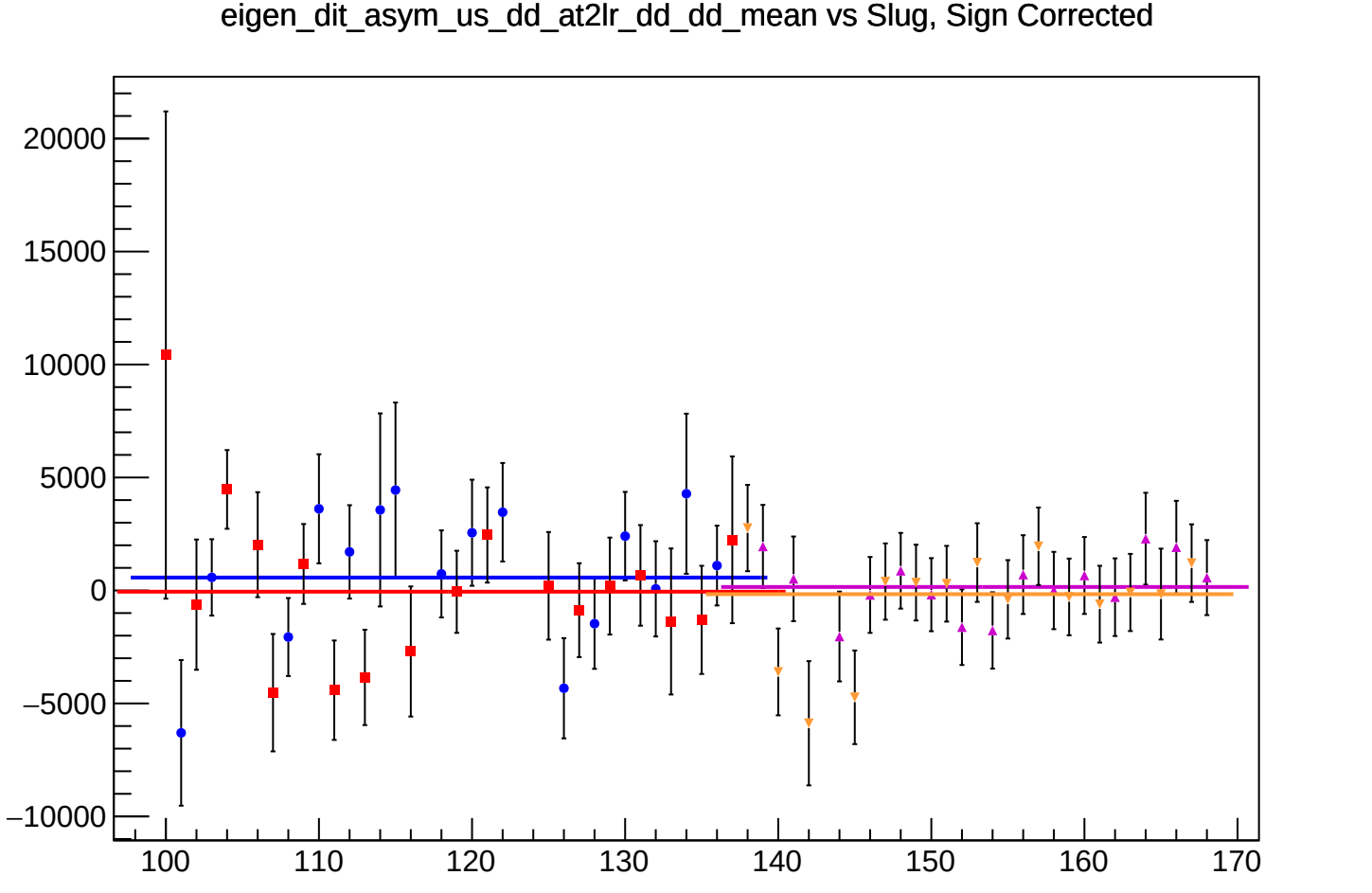
Left: 588.212+/-0.086 χ^2/NDF: 1434614.1/29

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 593.567+/-0.101 χ^2/NDF:4626835.1/30

Out: 512.128+/-0.092 χ^2/NDF:6286889.1/32

All: 548.676+/-0.068 χ^2/NDF: 11268610.2/63


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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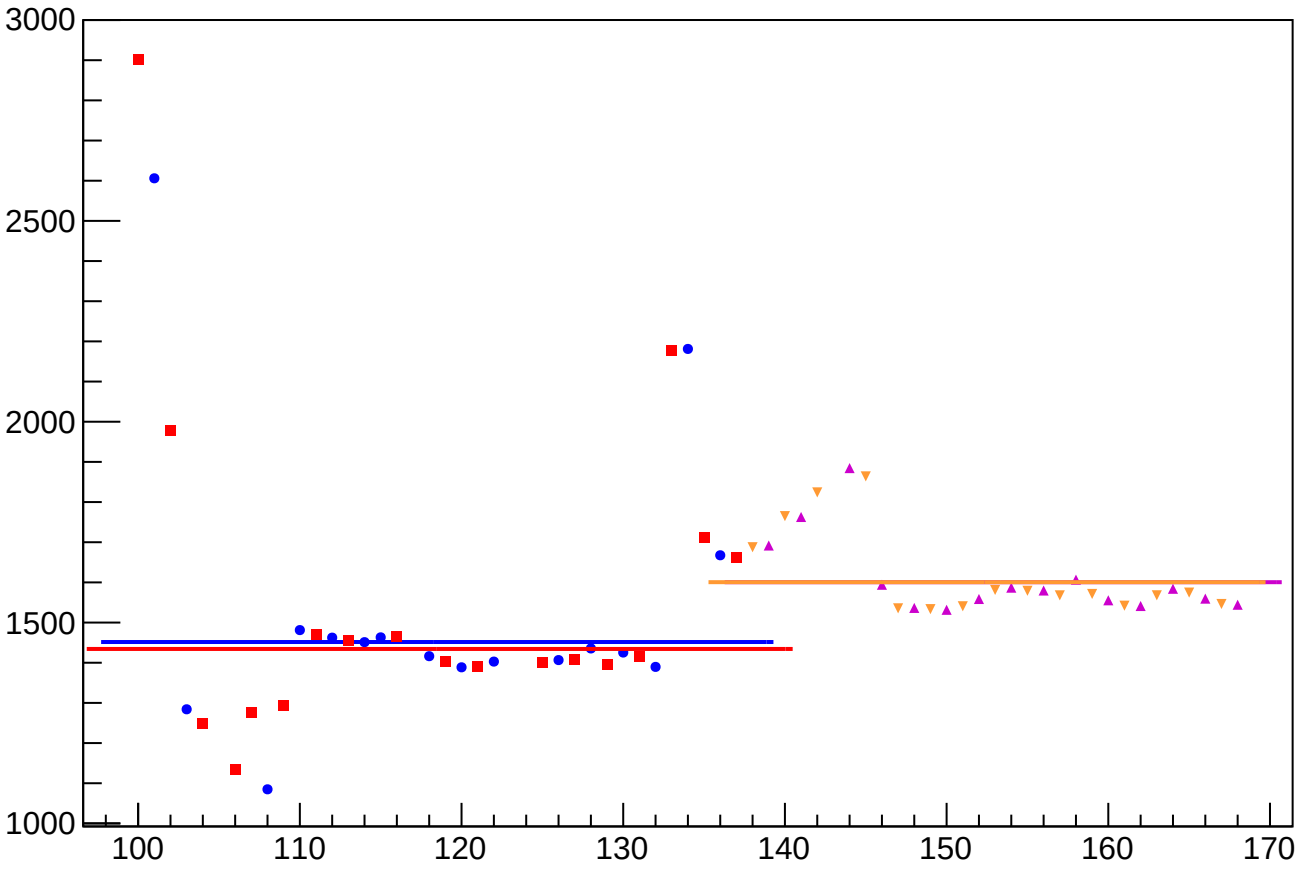
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -164.312+/-466.360 χ²/NDF:17.9/14
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 155.014+/-455.022 χ²/NDF:7.1/14
Left: -0.720+/-325.684 χ²/NDF: 25.2/29
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 324.699+/-350.499 χ²/NDF:28.2/30
Out: -117.612+/-354.435 χ²/NDF:40.5/32
All: 106.013+/-249.220 χ²/NDF: 69.4/63



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1600.556+/-0.330 χ^2/NDF:80379.9/14

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1600.514+/-0.322 χ^2/NDF:76068.6/14

Left: 1600.534+/-0.230 χ^2/NDF: 156448.5/29

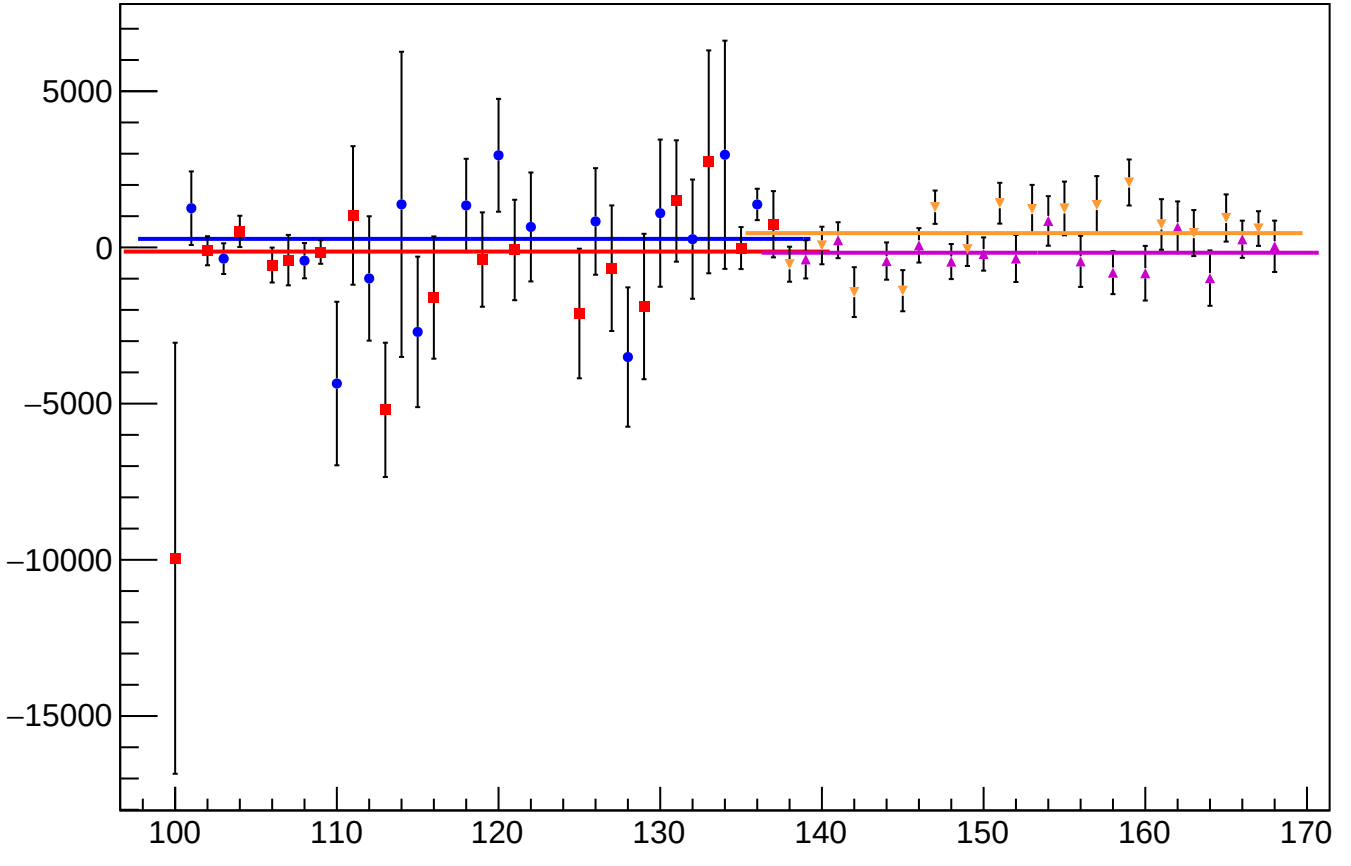
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1539.949+/-0.248 χ^2/NDF:651037.3/30

Out: 1530.339+/-0.251 χ^2/NDF:516307.3/32

All: 1535.198+/-0.176 χ^2/NDF: 1168088.1/63

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 458.205+/-172.602 χ^2/NDF:30.7/14

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -169.873+/-171.995 χ^2/NDF:6.9/14

Left: 143.060+/-121.833 χ^2/NDF: 44.3/29

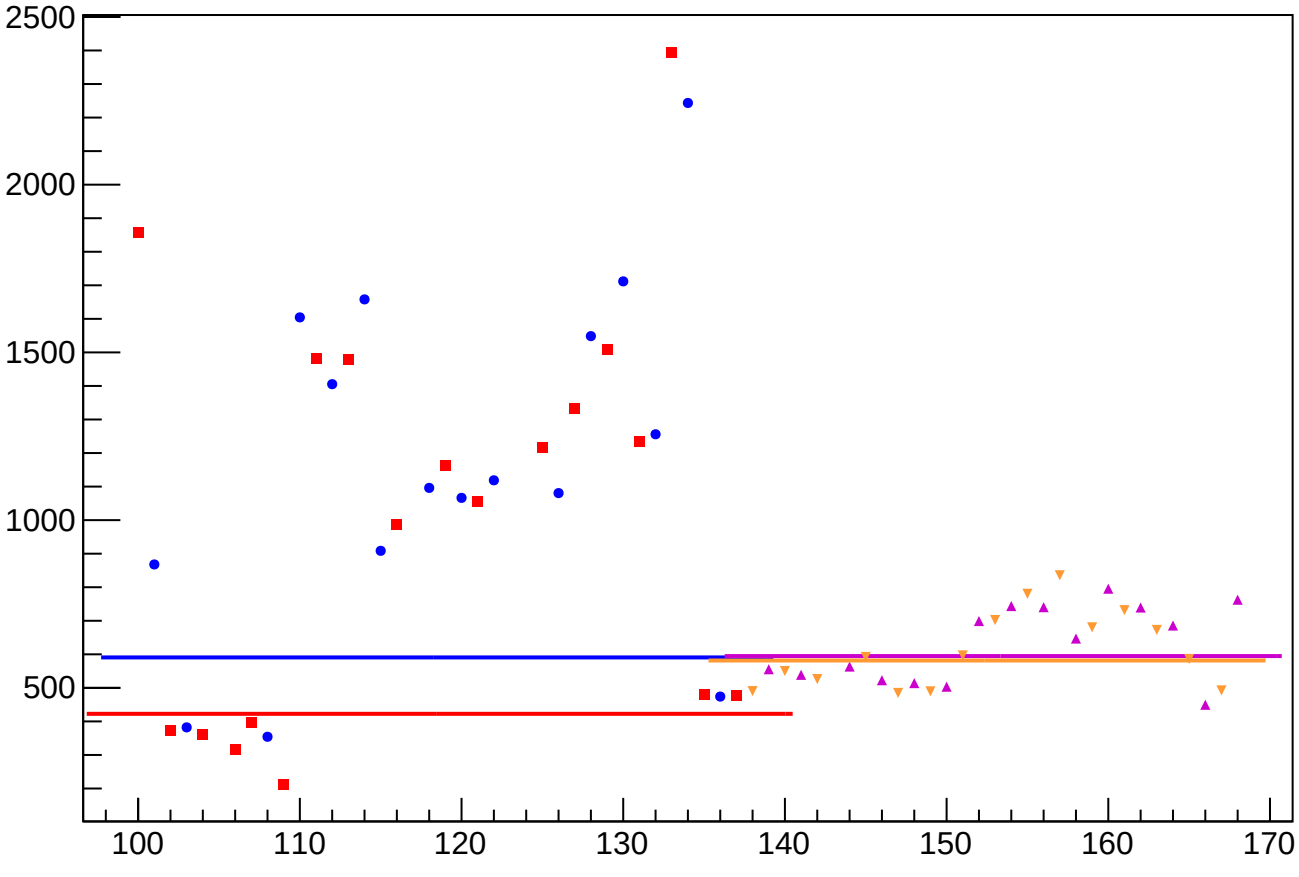
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -35.318+/-143.538 χ^2/NDF:29.1/30

Out: 200.073+/-129.516 χ^2/NDF:50.3/32

All: 94.434+/-96.158 χ^2/NDF: 80.9/63

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: 581.583+/-0.122 χ^2/NDF:687722.7/14

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 594.796+/-0.122 χ^2/NDF:741014.7/14

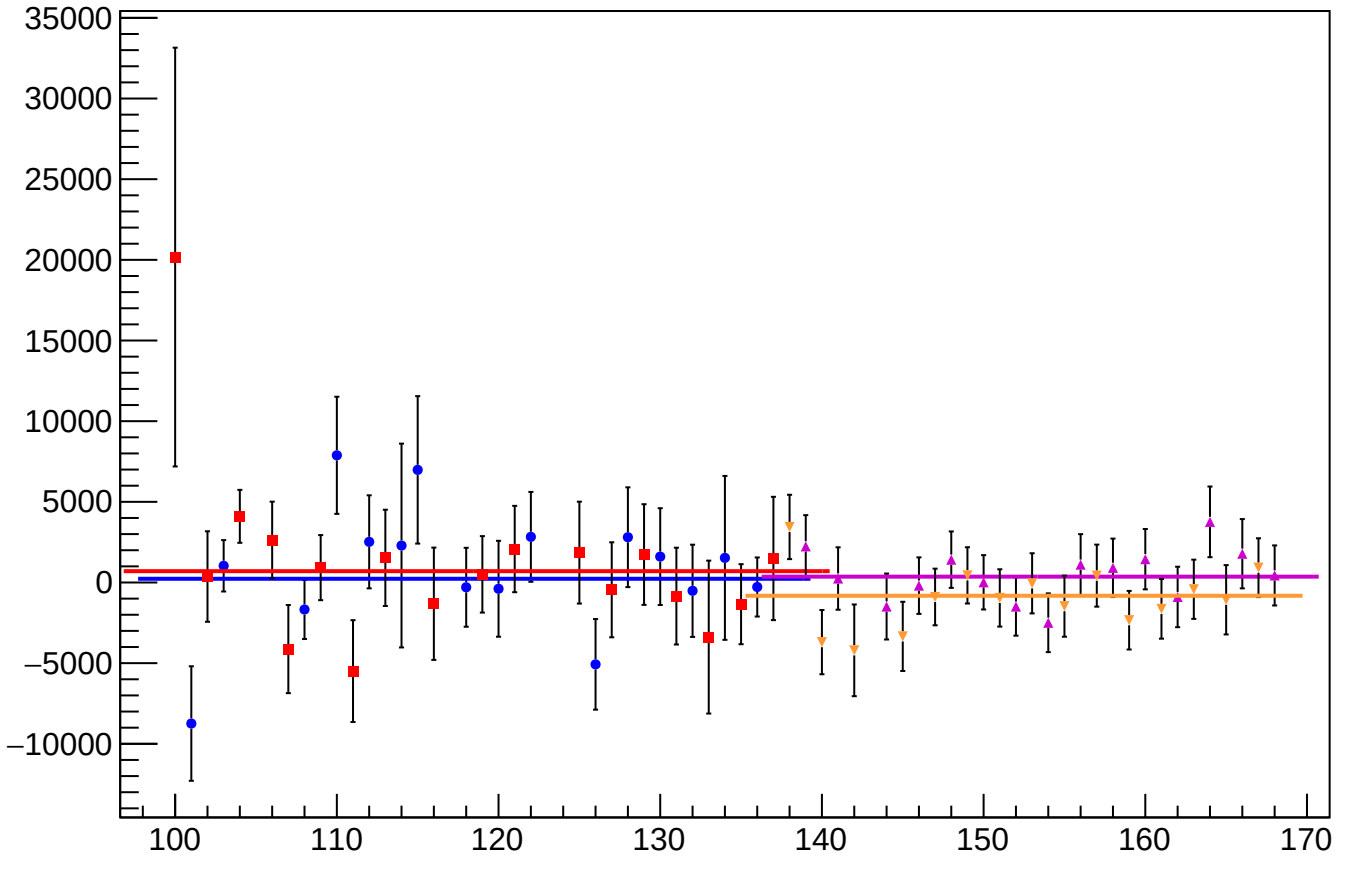
Left: 588.213+/-0.086 χ^2/NDF: 1434618.0/29

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 593.567+/-0.101 χ^2/NDF:4626881.8/30

Out: 512.132+/-0.092 χ^2/NDF:6286754.4/32

All: 548.679+/-0.068 χ^2/NDF: 11268483.2/63



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -822.222+/-496.133 χ^2/NDF:12.6/14

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 362.363+/-484.754 χ^2/NDF:9.7/14

Left: -216.190+/-346.726 χ^2/NDF: 25.1/29

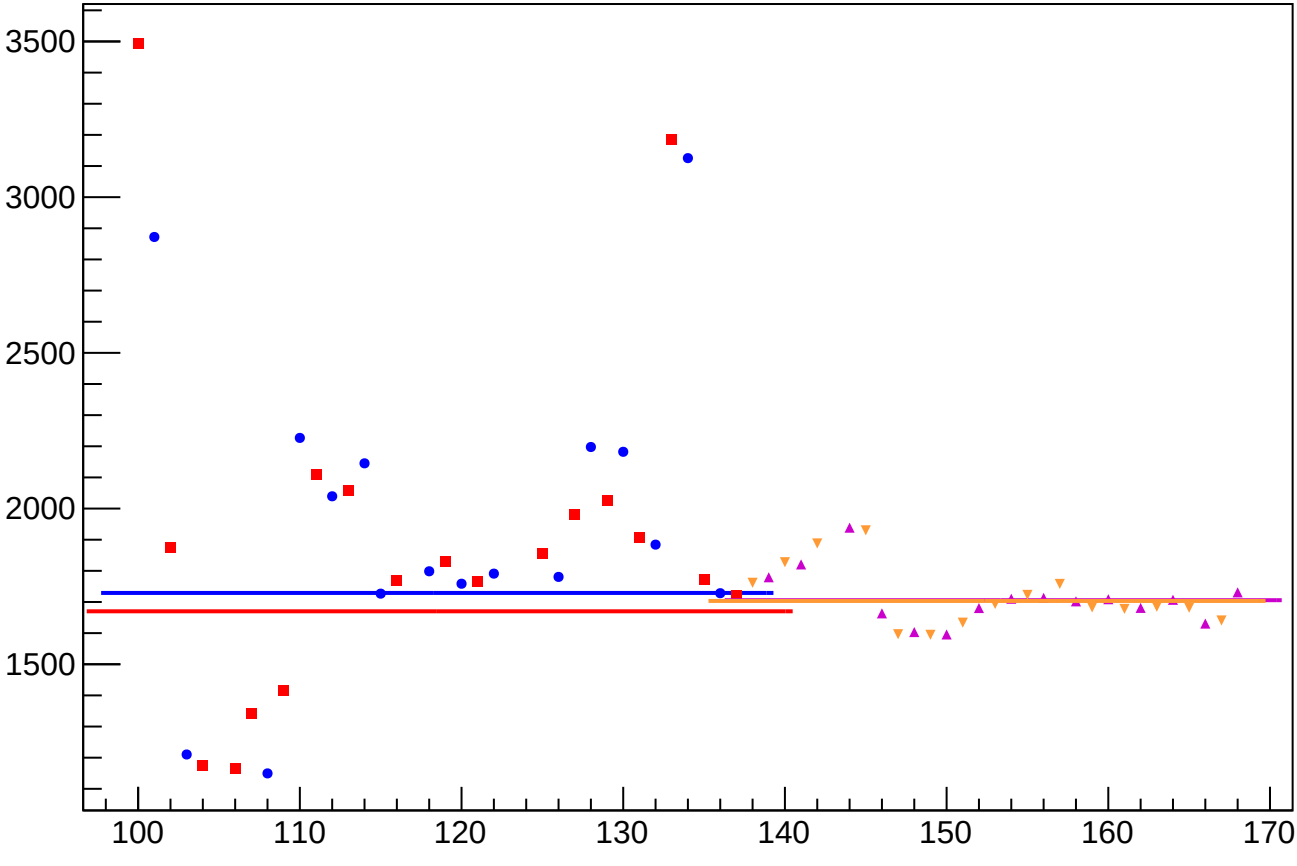
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 316.809+/-391.978 χ^2/NDF:30.4/30

Out: -259.177+/-394.002 χ^2/NDF:33.1/32

All: 30.299+/-277.883 χ^2/NDF: 64.6/63

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: 1703.365+/-0.351 χ^2/NDF:63901.7/14

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1705.750+/-0.343 χ^2/NDF:56083.5/14

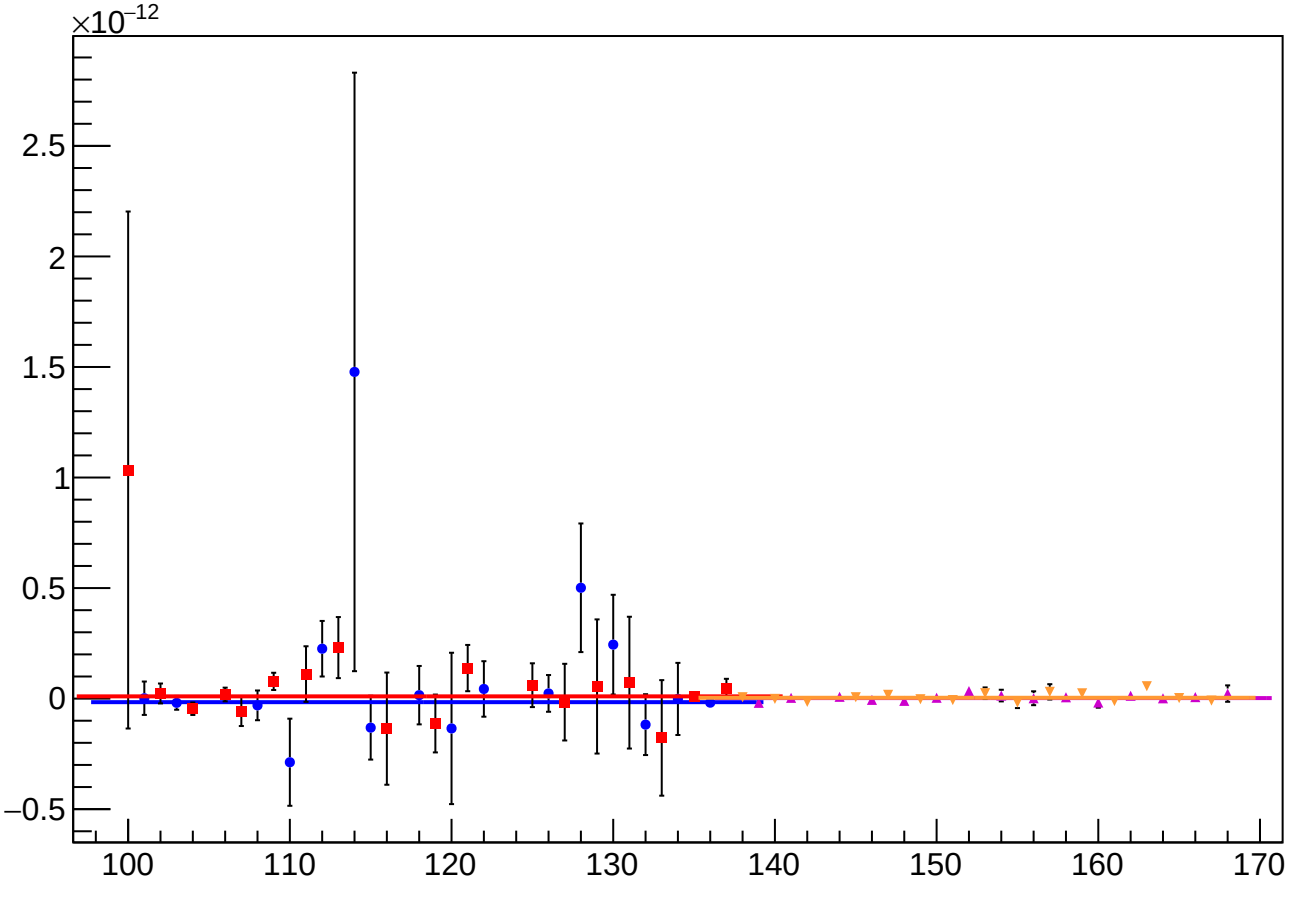
Left: 1704.585+/-0.245 χ^2/NDF: 120008.8/29

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1713.815+/-0.277 χ^2/NDF:999762.1/30

Out: 1691.063+/-0.279 χ^2/NDF:811683.2/32

All: 1702.498+/-0.196 χ^2/NDF: 1814796.9/63



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/14

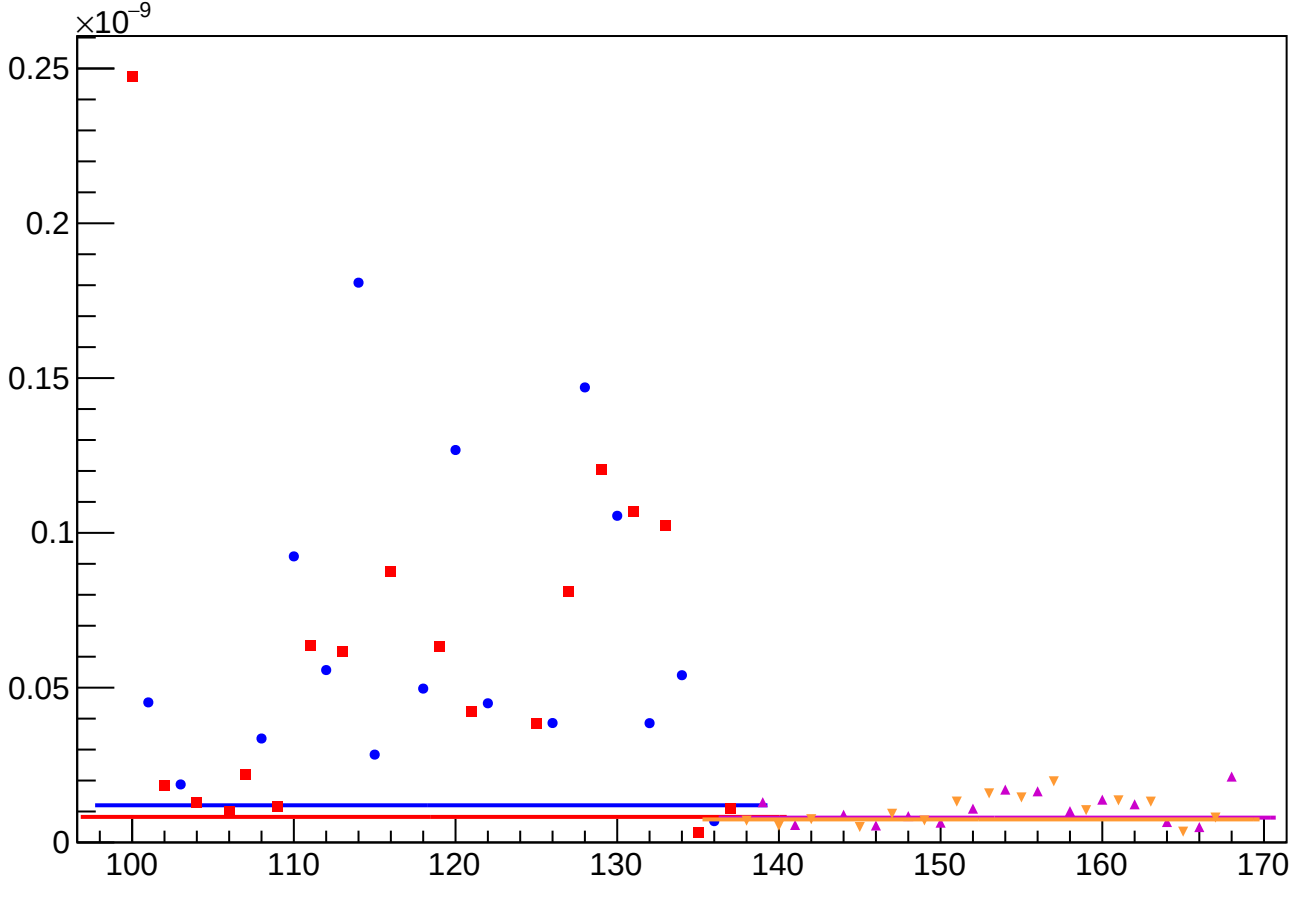
Left: 0.000+/-0.000 χ^2/NDF: 20.6/29

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:23.5/30

Out: 0.000+/-0.000 χ^2/NDF:30.1/32

All: 0.000+/-0.000 χ^2/NDF: 54.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728973.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1532839.6/14

Left: 0.000+/-0.000 χ^2/NDF: 3284233.8/29

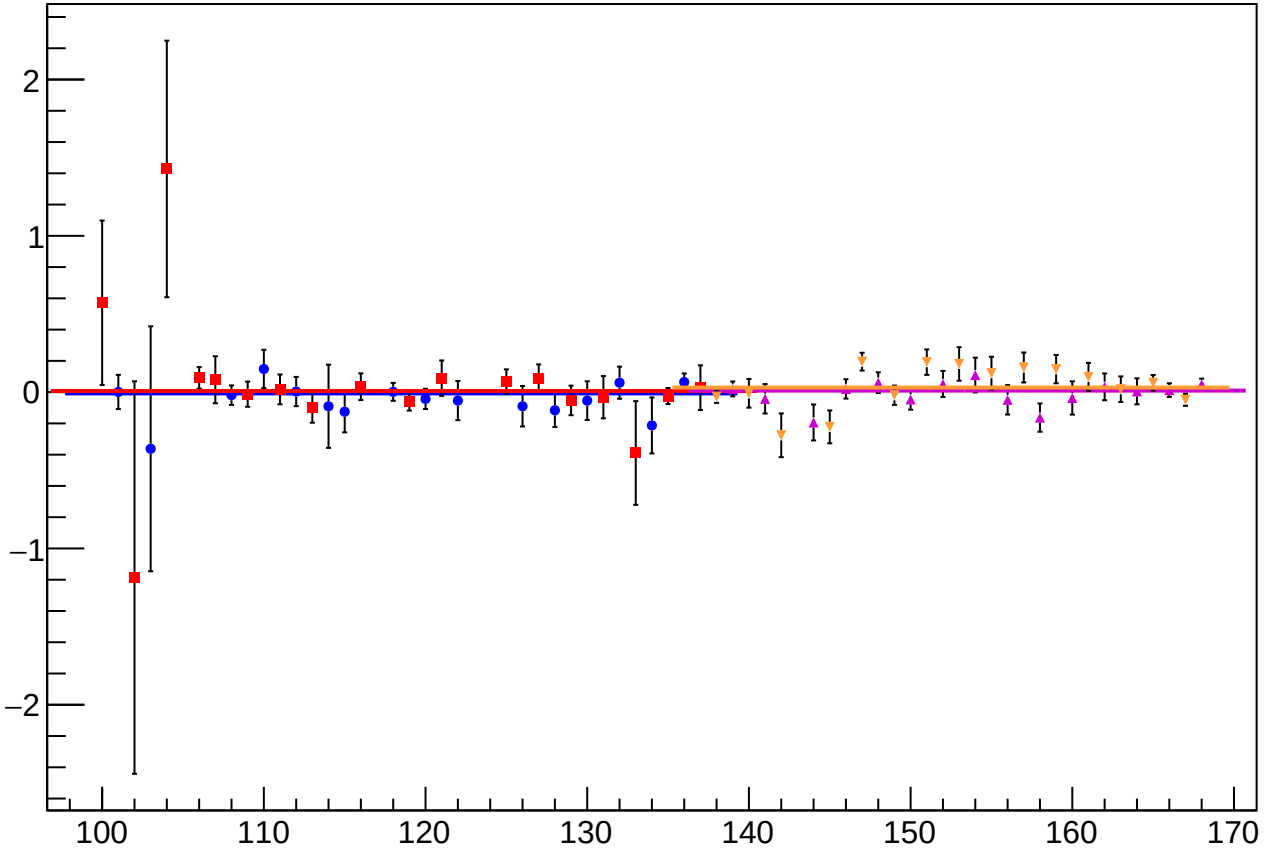
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5222994.4/30

Out: 0.000+/-0.000 χ^2/NDF:5253709.1/32

All: 0.000+/-0.000 χ^2/NDF: 10547491.9/63

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: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.010+/-0.017 χ^2/NDF:11.4/14

Left: 0.019+/-0.012 χ^2/NDF: 49.2/29

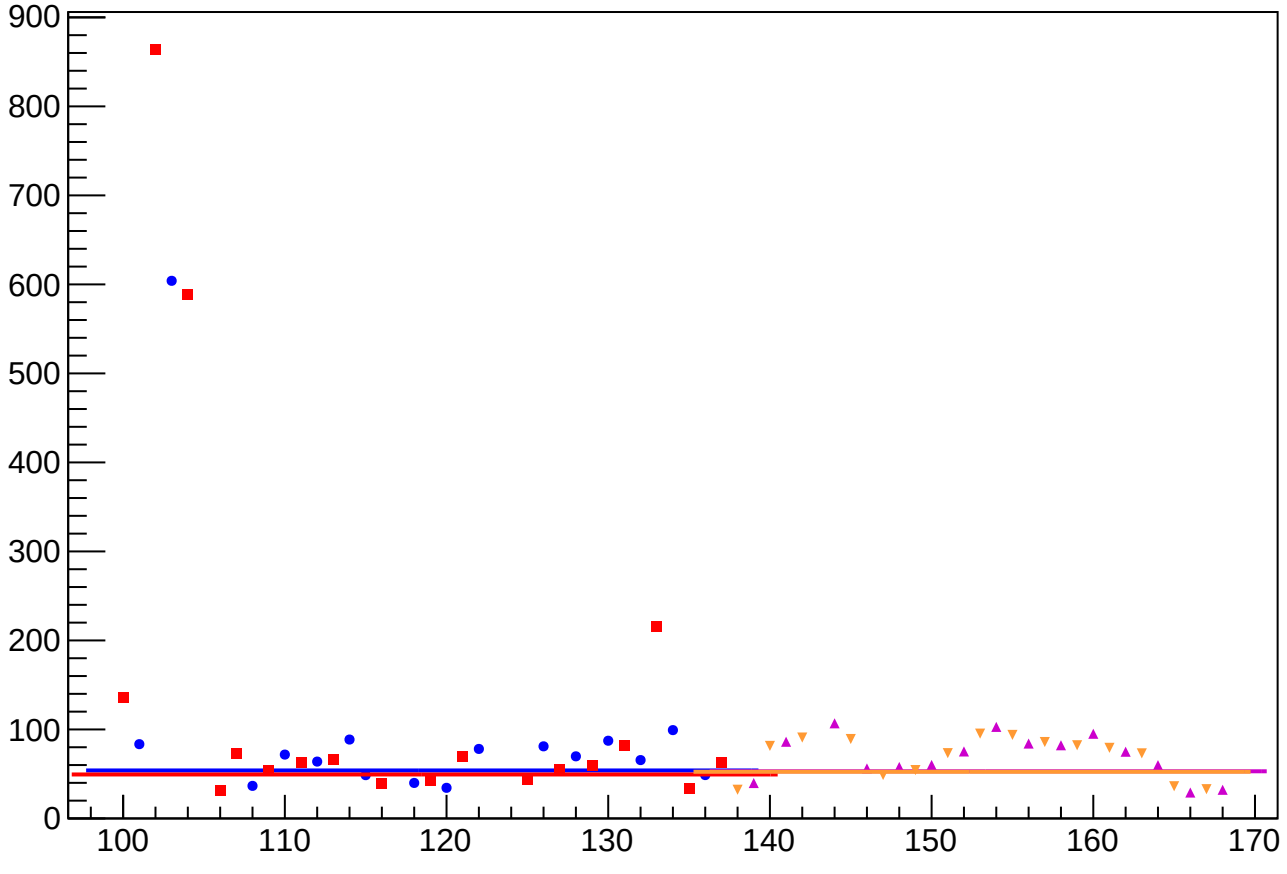
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: 0.003+/-0.014 χ^2/NDF:20.1/30

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.012+/-0.010 χ^2/NDF: 72.4/63

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: 52.453+/-0.012 χ^2/NDF:3379113.1/14

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 52.993+/-0.012 χ^2/NDF:3545973.3/14

Left: 52.726+/-0.009 χ^2/NDF: 6926078.4/29

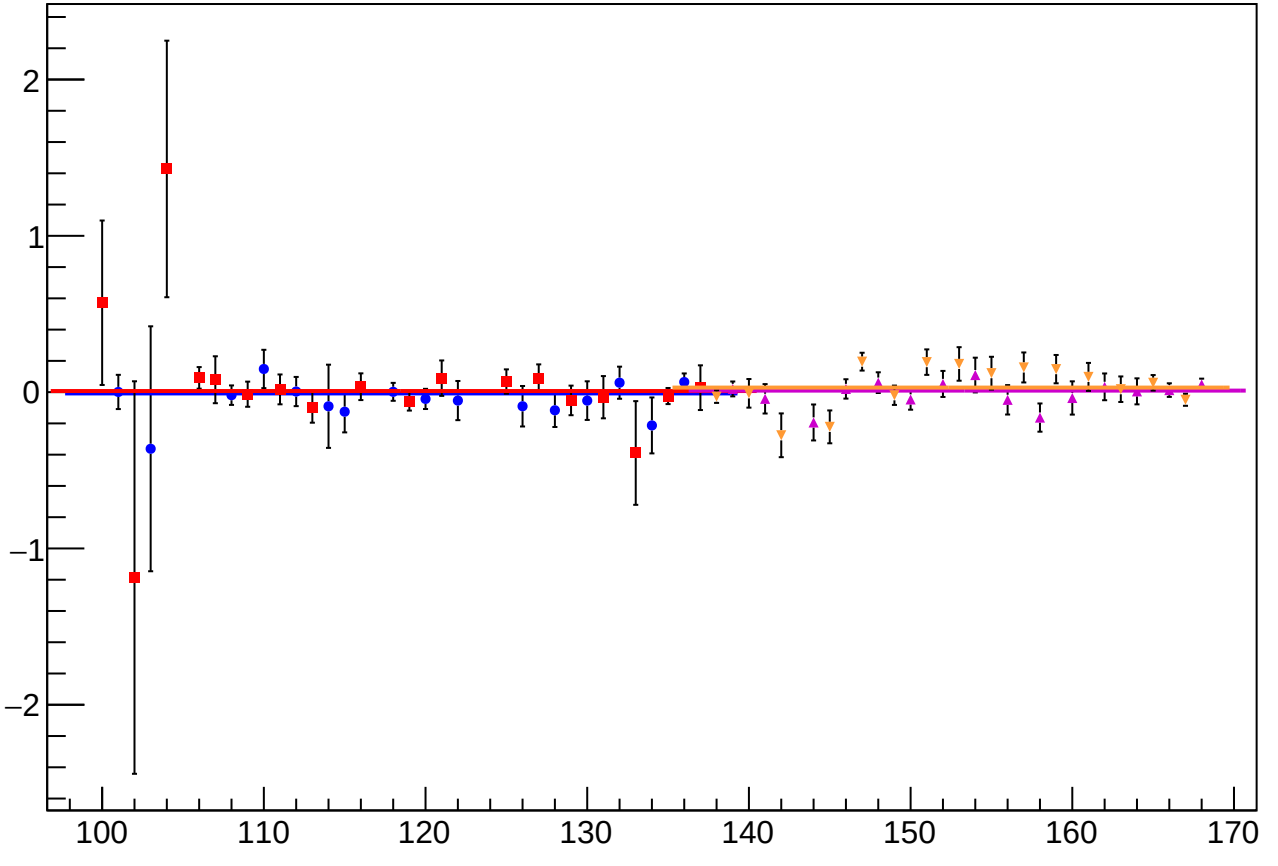
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 53.322+/-0.010 χ^2/NDF:5762431.7/30

Out: 51.315+/-0.010 χ^2/NDF:6420109.0/32

All: 52.310+/-0.007 χ^2/NDF: 12204108.8/63

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: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.010+/-0.017 χ^2/NDF:11.4/14

Left: 0.019+/-0.012 χ^2/NDF: 49.2/29

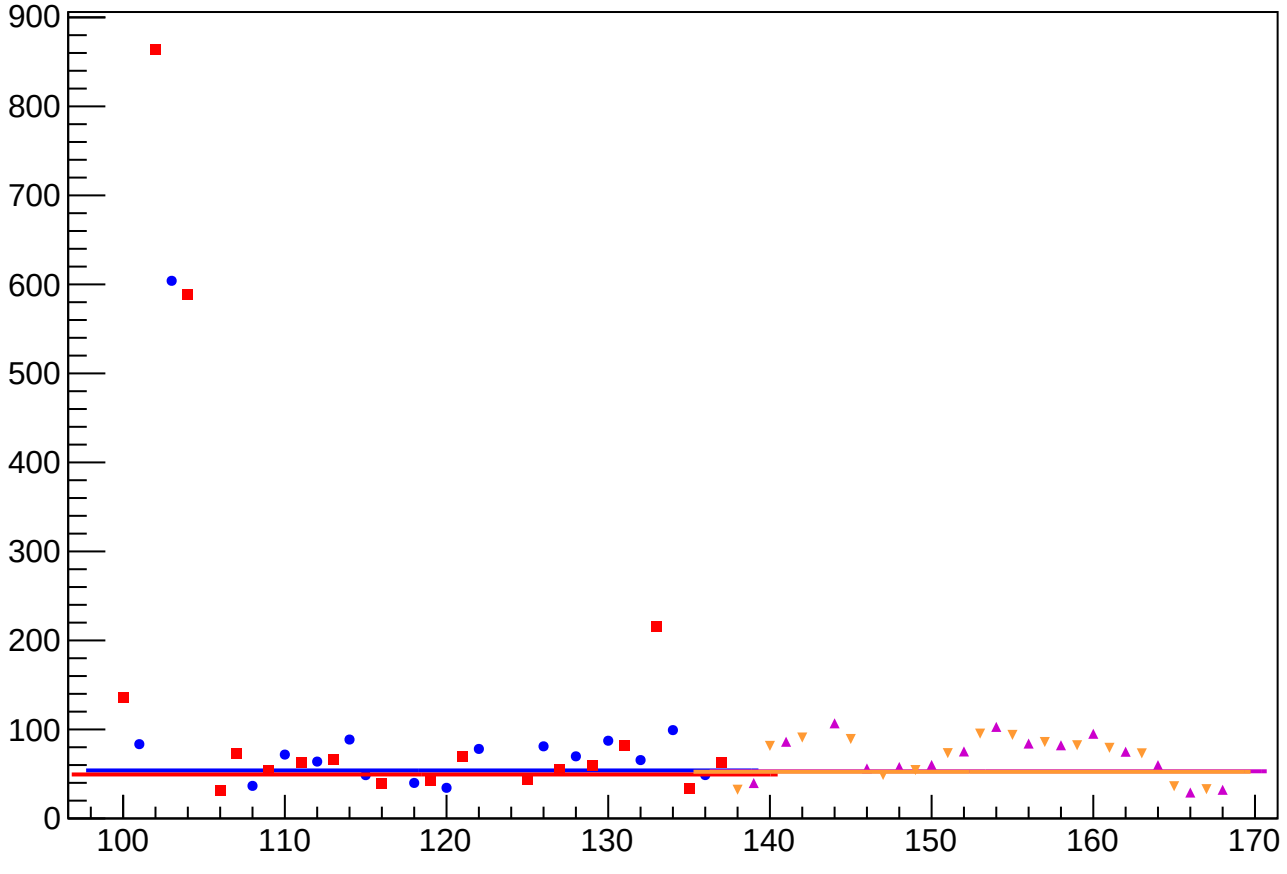
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: 0.003+/-0.014 χ^2/NDF:20.1/30

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.012+/-0.010 χ^2/NDF: 72.4/63

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: 52.453+/-0.012 χ^2/NDF:3379113.1/14

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 52.993+/-0.012 χ^2/NDF:3545973.3/14

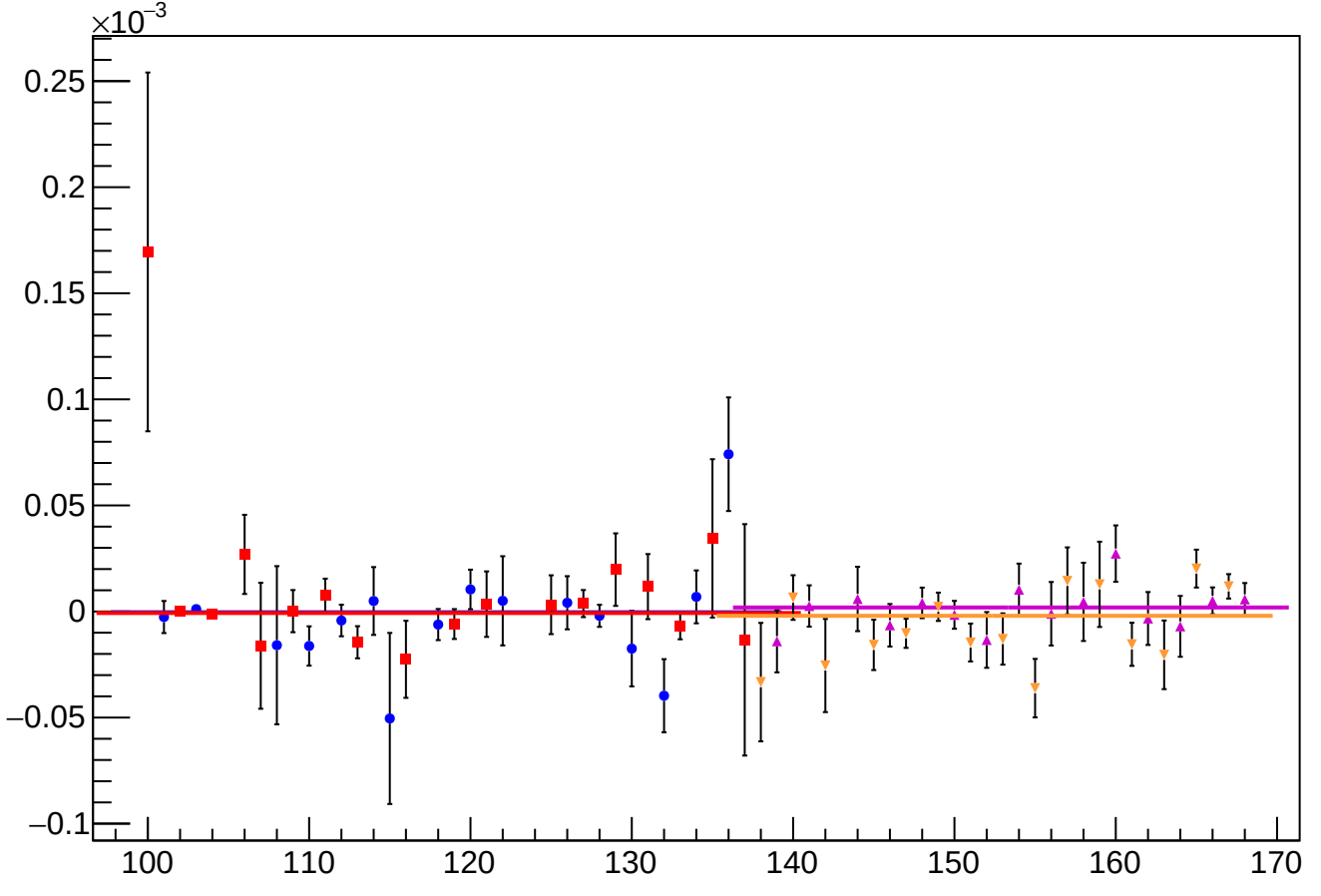
Left: 52.726+/-0.009 χ^2/NDF: 6926078.4/29

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 53.322+/-0.010 χ^2/NDF:5762431.7/30

Out: 51.315+/-0.010 χ^2/NDF:6420109.0/32

All: 52.310+/-0.007 χ^2/NDF: 12204108.8/63



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/14

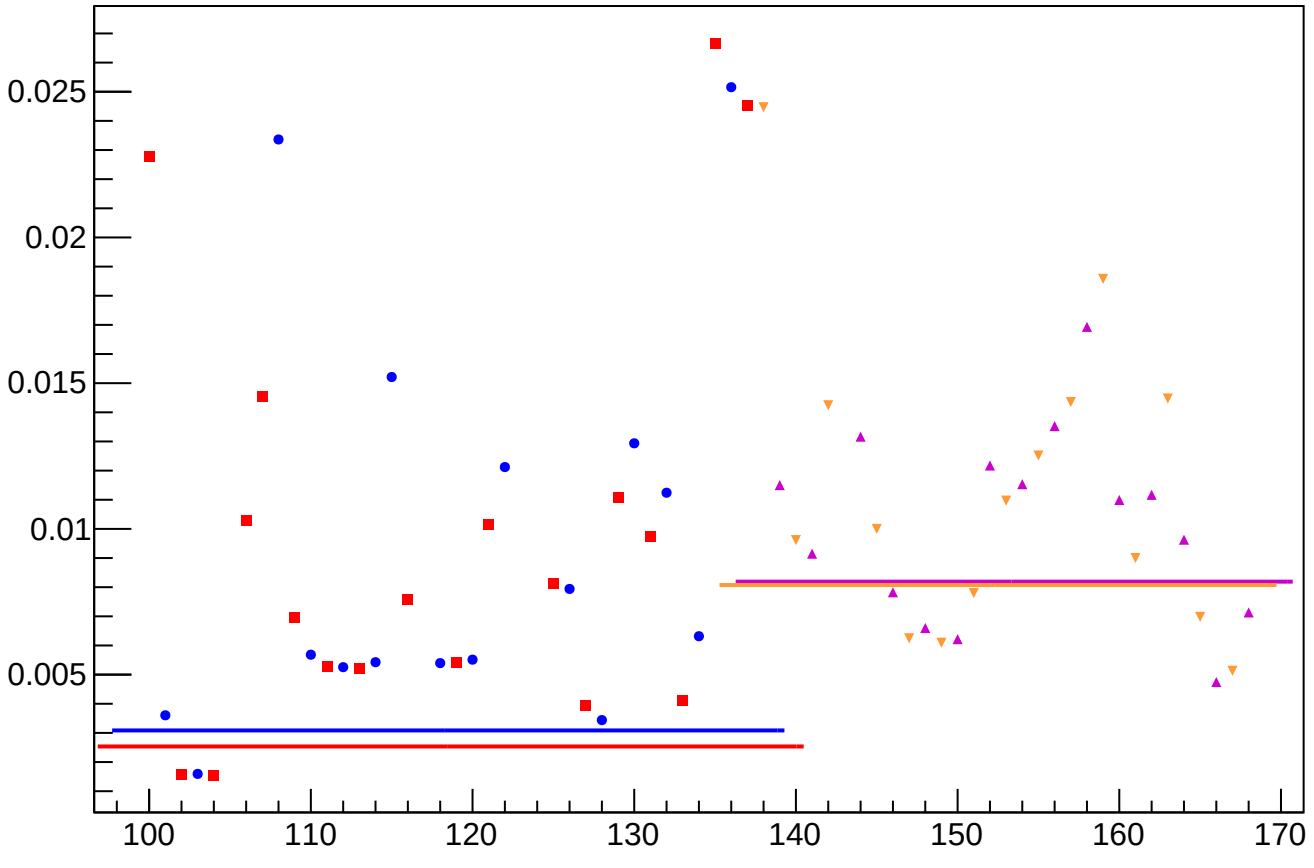
Left: -0.000+/-0.000 χ^2/NDF: 41.9/29

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:31.6/30

Out: -0.000+/-0.000 χ^2/NDF:49.9/32

All: -0.000+/-0.000 χ^2/NDF: 82.0/63



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:3329796.6/14

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:2504899.3/14

Left: 0.008+/-0.000 χ^2/NDF: 5836737.6/29

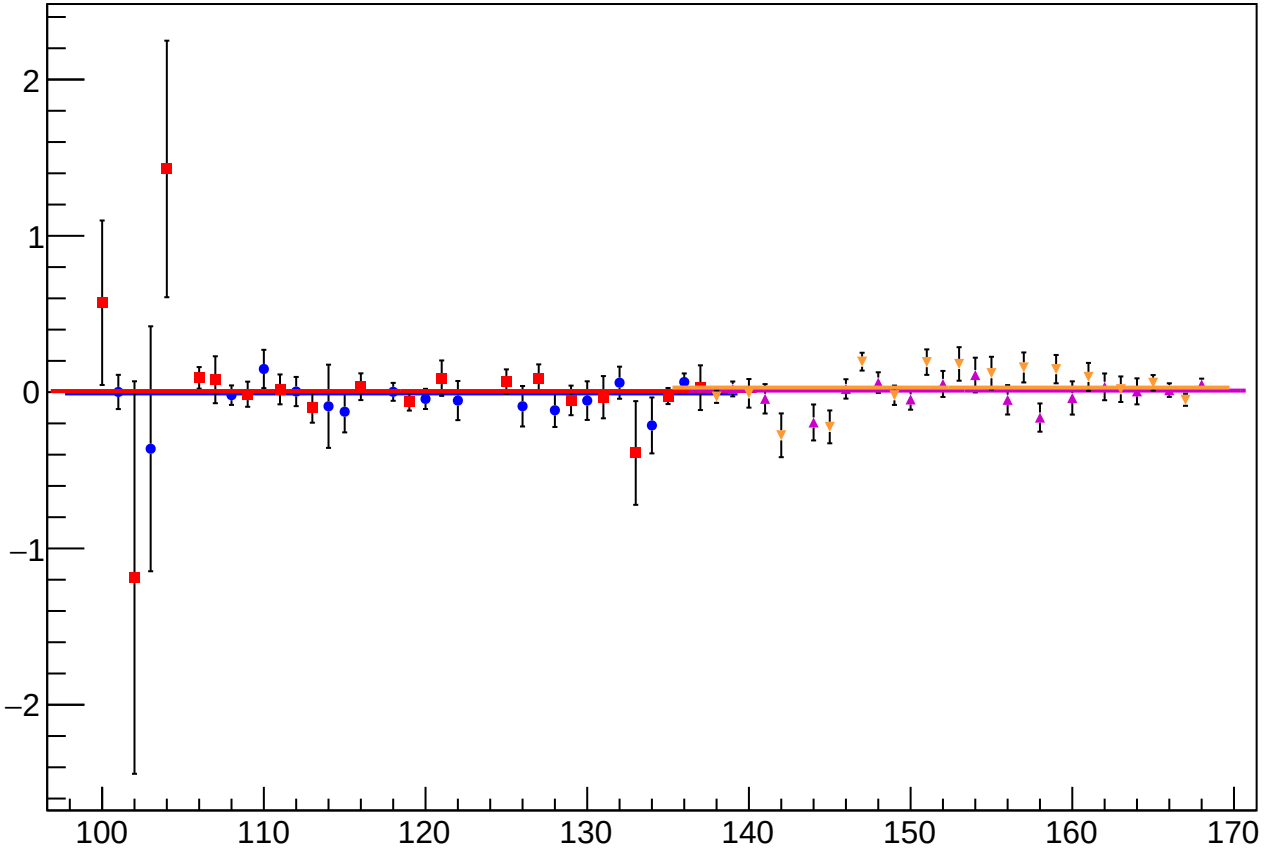
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.005+/-0.000 χ^2/NDF:13902911.3/30

Out: 0.004+/-0.000 χ^2/NDF:17003069.2/32

All: 0.004+/-0.000 χ^2/NDF: 31432339.0/63

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: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.010+/-0.017 χ^2/NDF:11.4/14

Left: 0.019+/-0.012 χ^2/NDF: 49.2/29

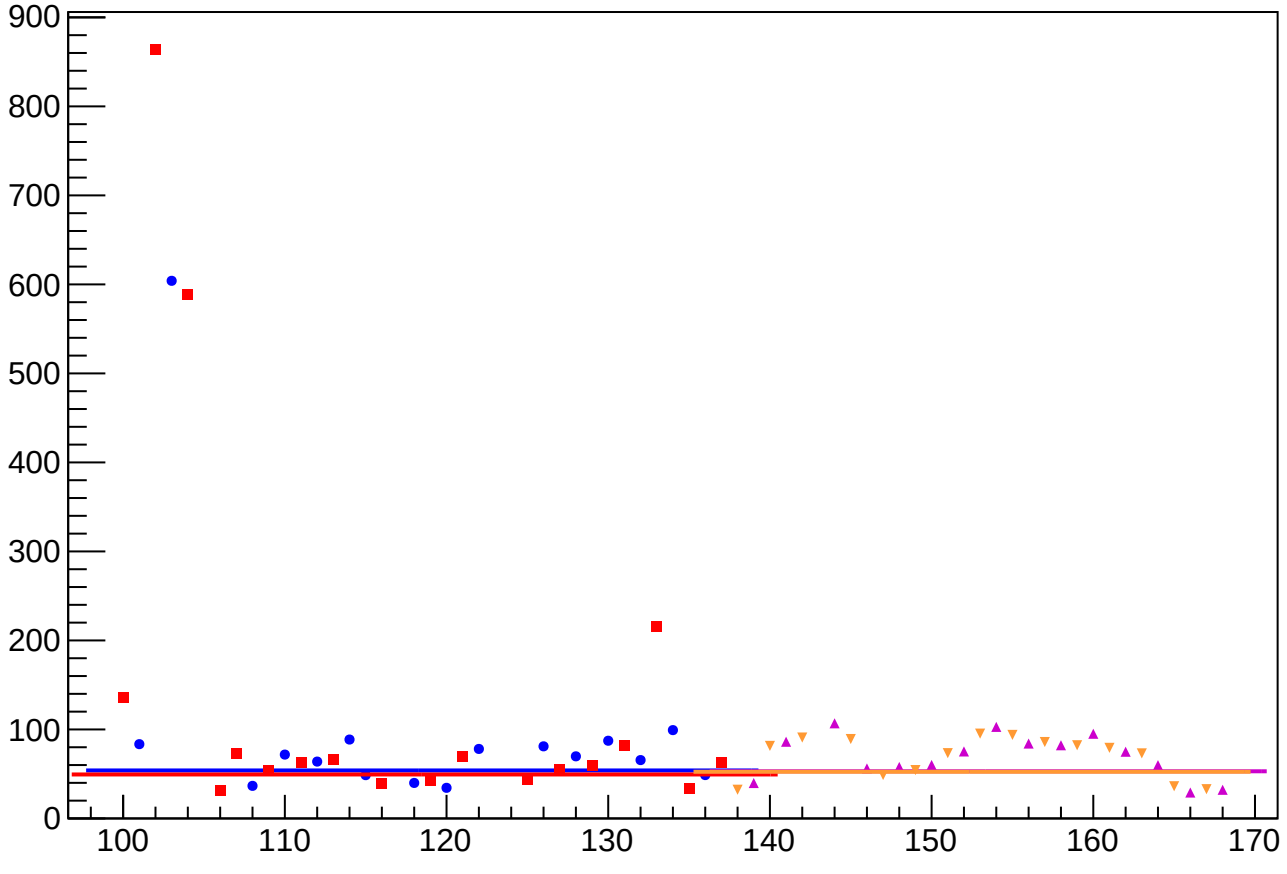
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: 0.003+/-0.014 χ^2/NDF:20.1/30

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.012+/-0.010 χ^2/NDF: 72.4/63

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: 52.457+/-0.012 χ^2/NDF:3378145.2/14

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 52.994+/-0.012 χ^2/NDF:3545677.0/14

Left: 52.728+/-0.009 χ^2/NDF: 6924805.0/29

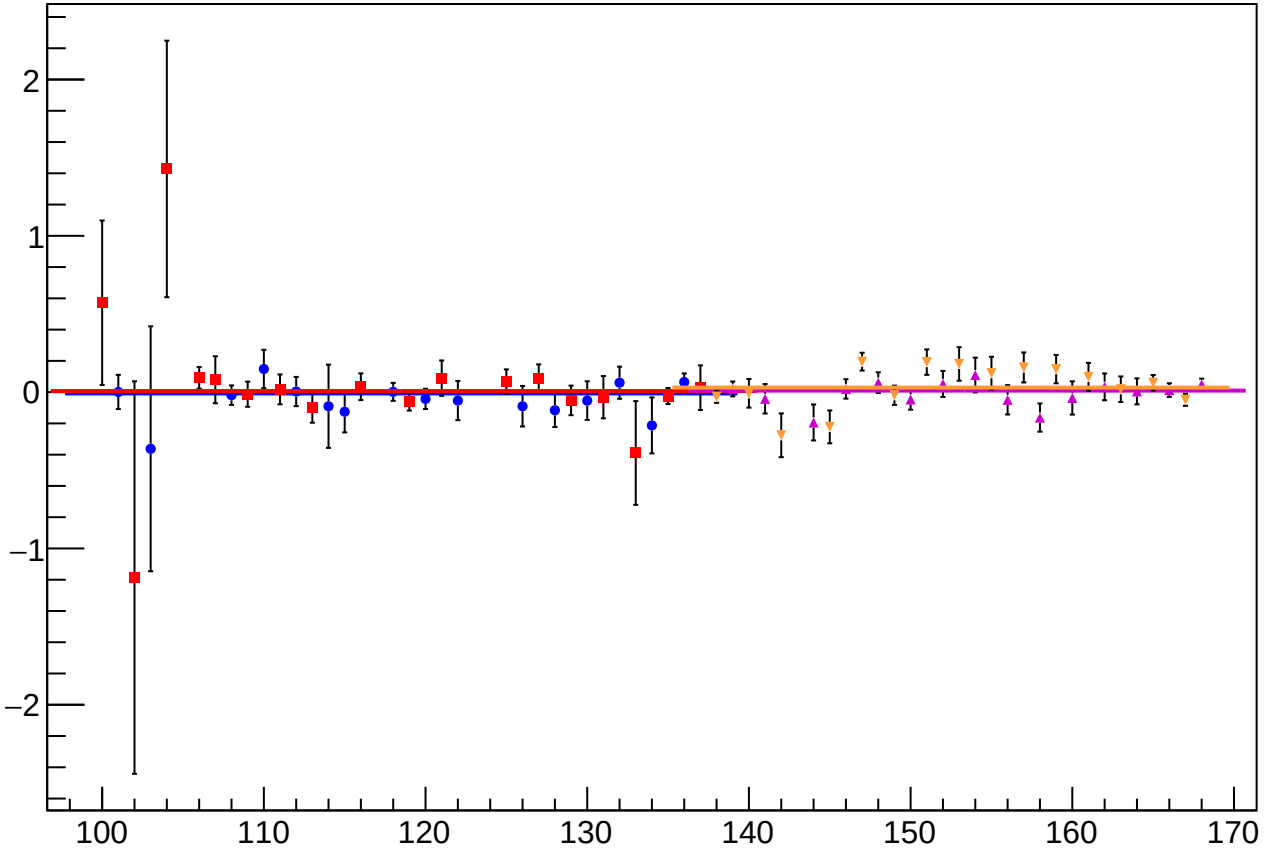
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 53.324+/-0.010 χ^2/NDF:5761747.8/30

Out: 51.318+/-0.010 χ^2/NDF:6418883.7/32

All: 52.313+/-0.007 χ^2/NDF: 12202174.0/63

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: 0.029+/-0.017 χ^2/NDF:37.2/14

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.010+/-0.017 χ^2/NDF:11.4/14

Left: 0.019+/-0.012 χ^2/NDF: 49.2/29

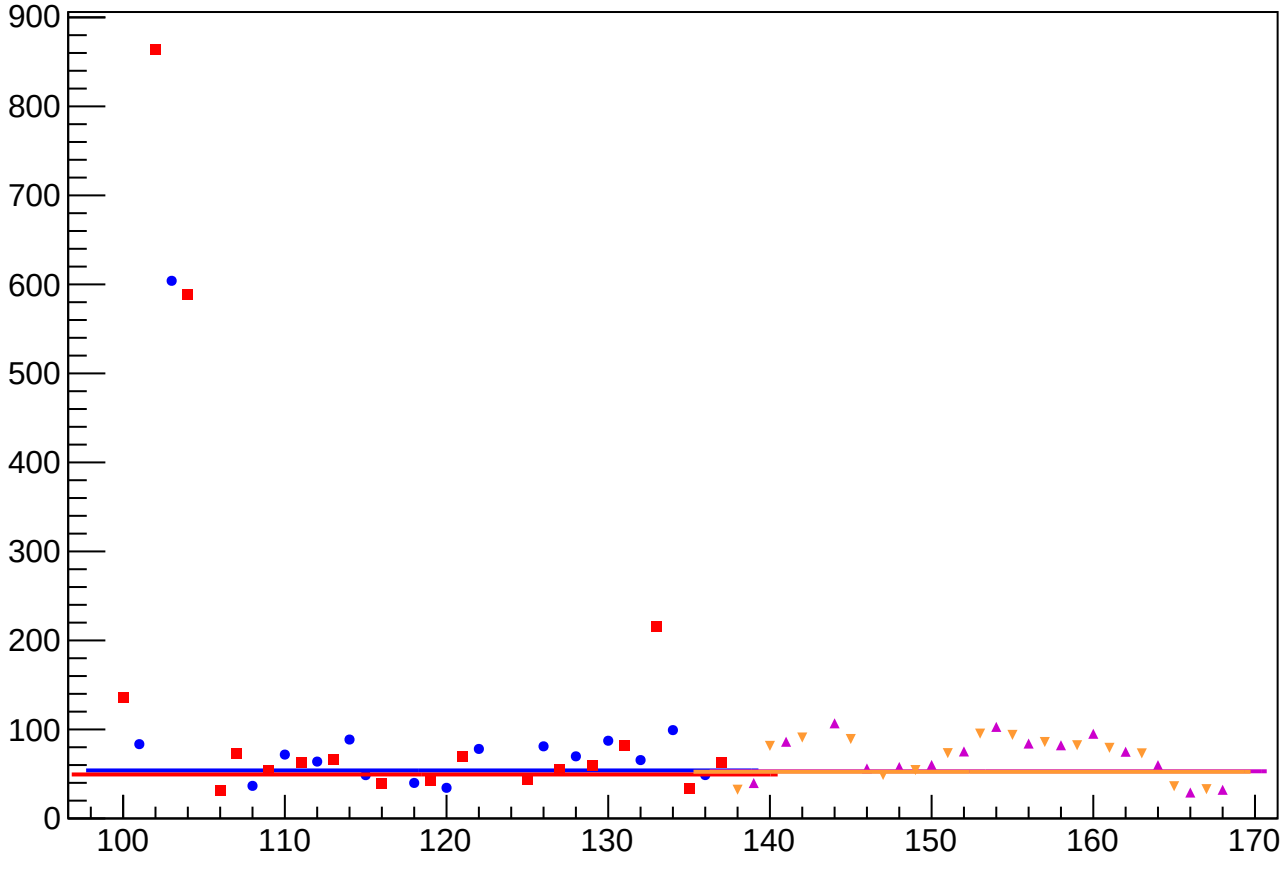
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: 0.003+/-0.014 χ^2/NDF:20.1/30

Out: 0.021+/-0.014 χ^2/NDF:51.5/32

All: 0.012+/-0.010 χ^2/NDF: 72.4/63

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: 52.457+/-0.012 χ^2/NDF:3378145.2/14

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 52.994+/-0.012 χ^2/NDF:3545677.0/14

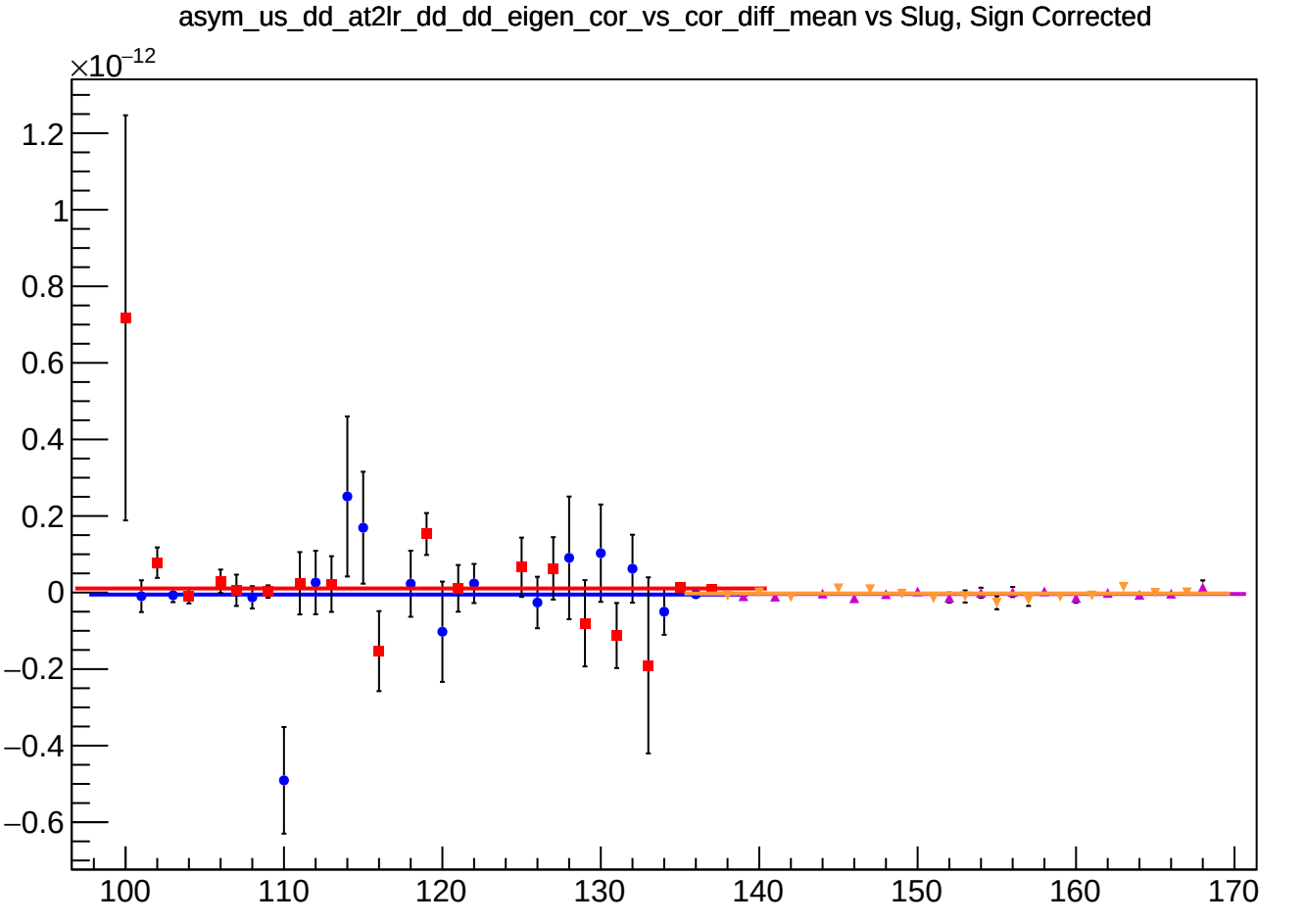
Left: 52.728+/-0.009 χ^2/NDF: 6924805.0/29

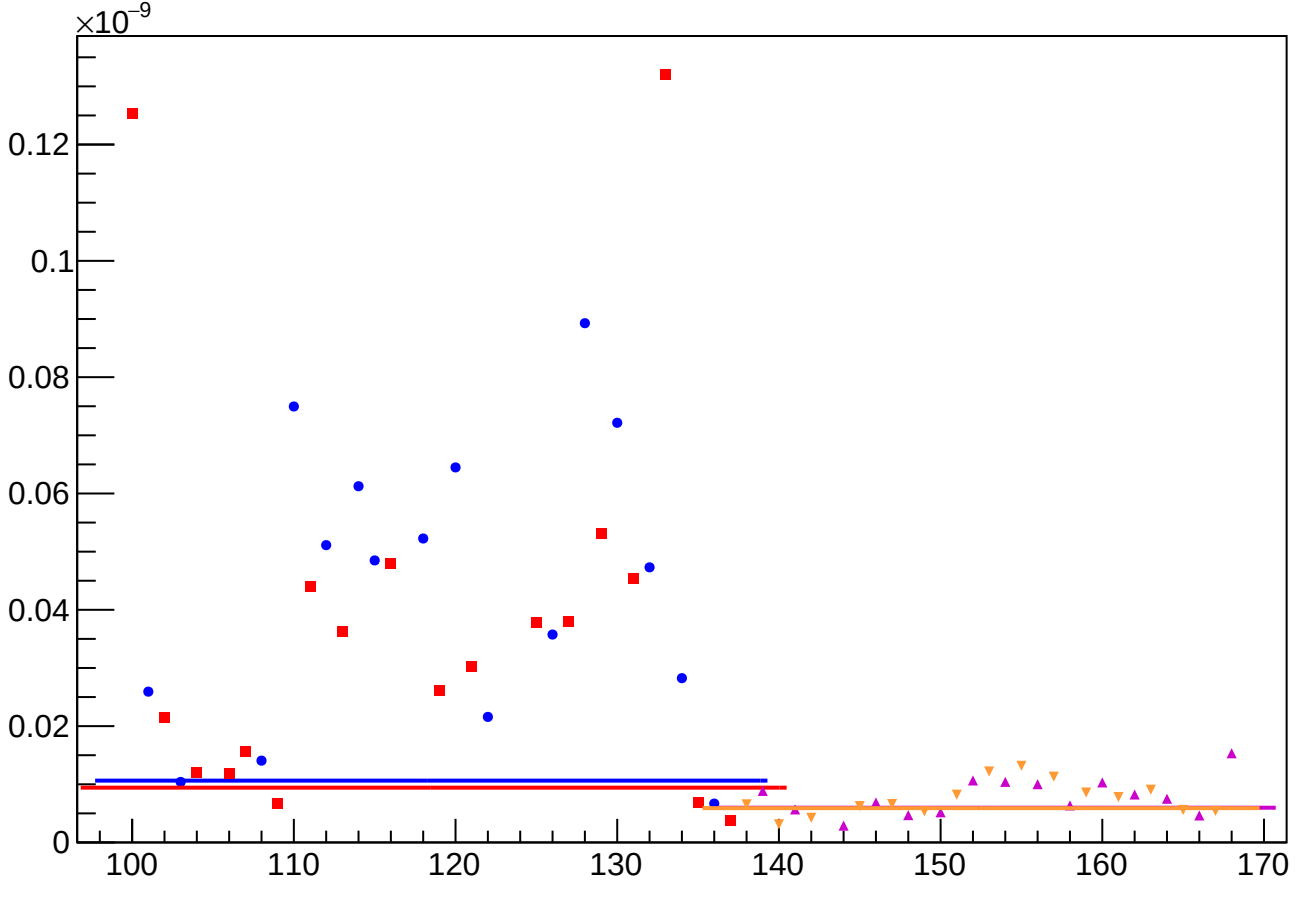
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 53.324+/-0.010 χ^2/NDF:5761747.8/30

Out: 51.318+/-0.010 χ^2/NDF:6418883.7/32

All: 52.313+/-0.007 χ^2/NDF: 12202174.0/63


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:14.3/14
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:6.9/14
Left: -0.000+/-0.000 χ²/NDF: 21.5/29
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:25.5/30
Out: -0.000+/-0.000 χ²/NDF:38.0/32
All: -0.000+/-0.000 χ²/NDF: 64.6/63



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2207536.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2646004.5/14

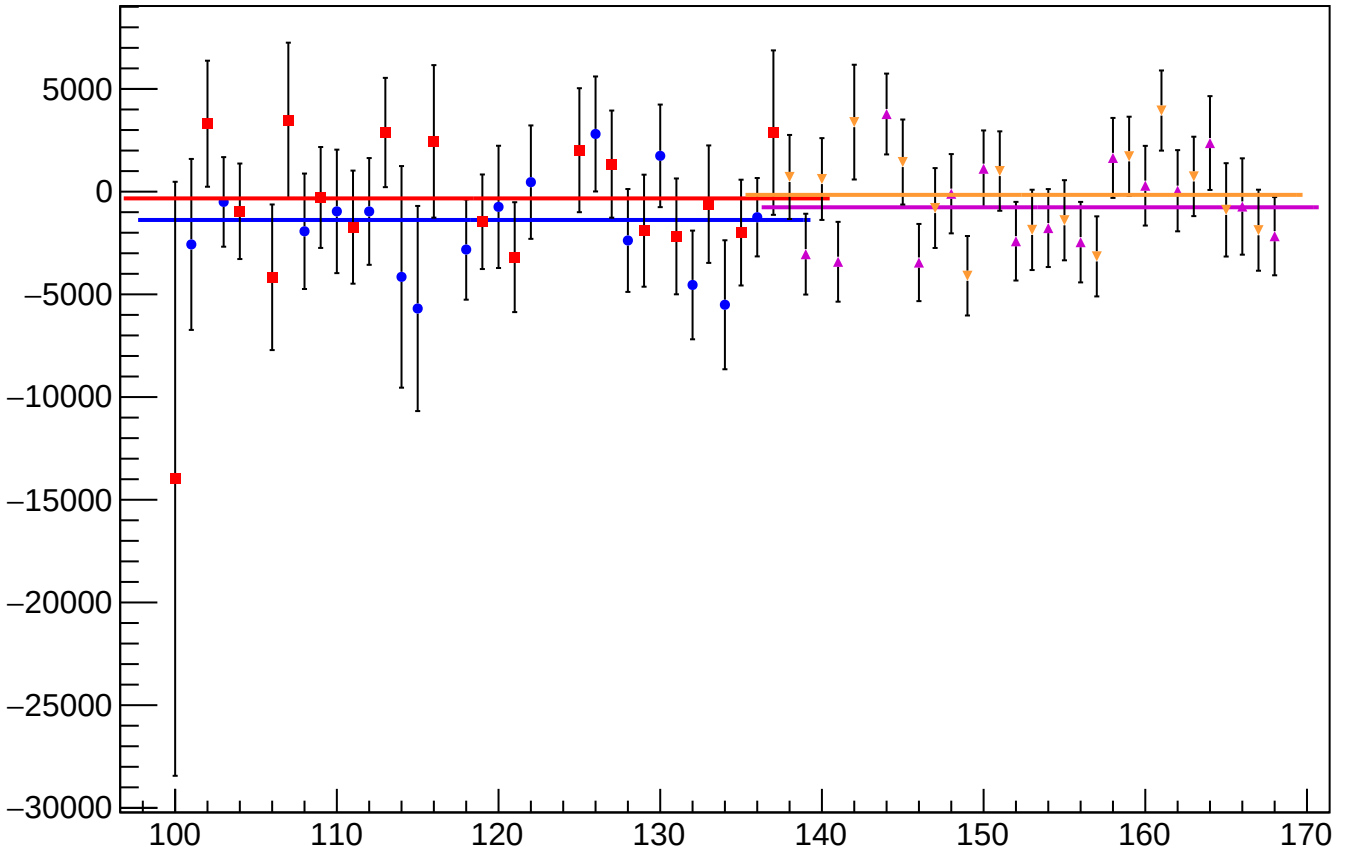
Left: 0.000+/-0.000 χ^2/NDF: 4854643.6/29

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8041183.4/30

Out: 0.000+/-0.000 χ^2/NDF:6768245.2/32

All: 0.000+/-0.000 χ^2/NDF: 14813839.8/63



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -156.785+/-520.581 χ^2/NDF:17.1/14

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -761.113+/-508.503 χ^2/NDF:17.9/14

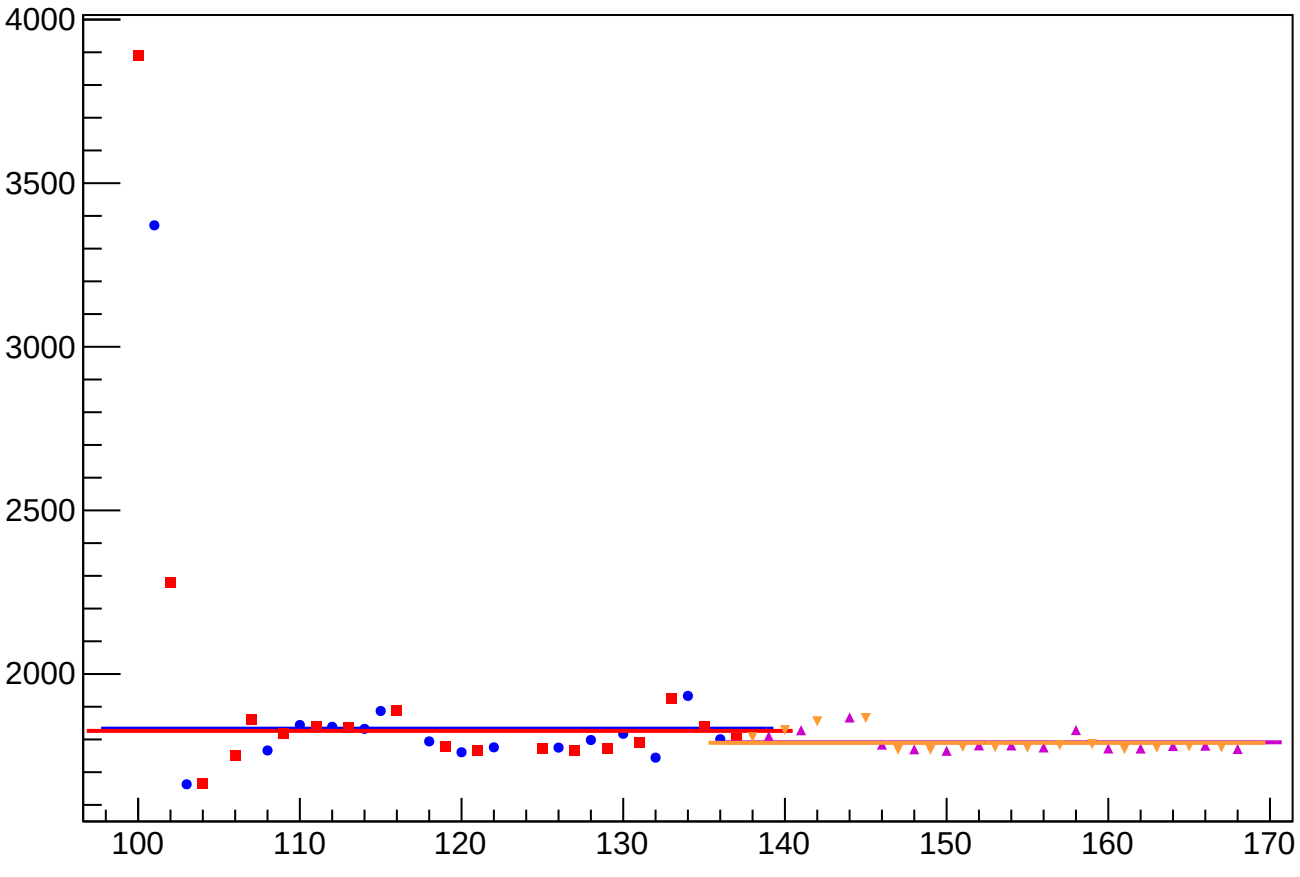
Left: -466.041+/-363.761 χ^2/NDF: 35.7/29

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -978.895+/-409.147 χ^2/NDF:27.7/30

Out: -219.880+/-414.226 χ^2/NDF:28.2/32

All: -604.069+/-291.090 χ^2/NDF: 57.6/63



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

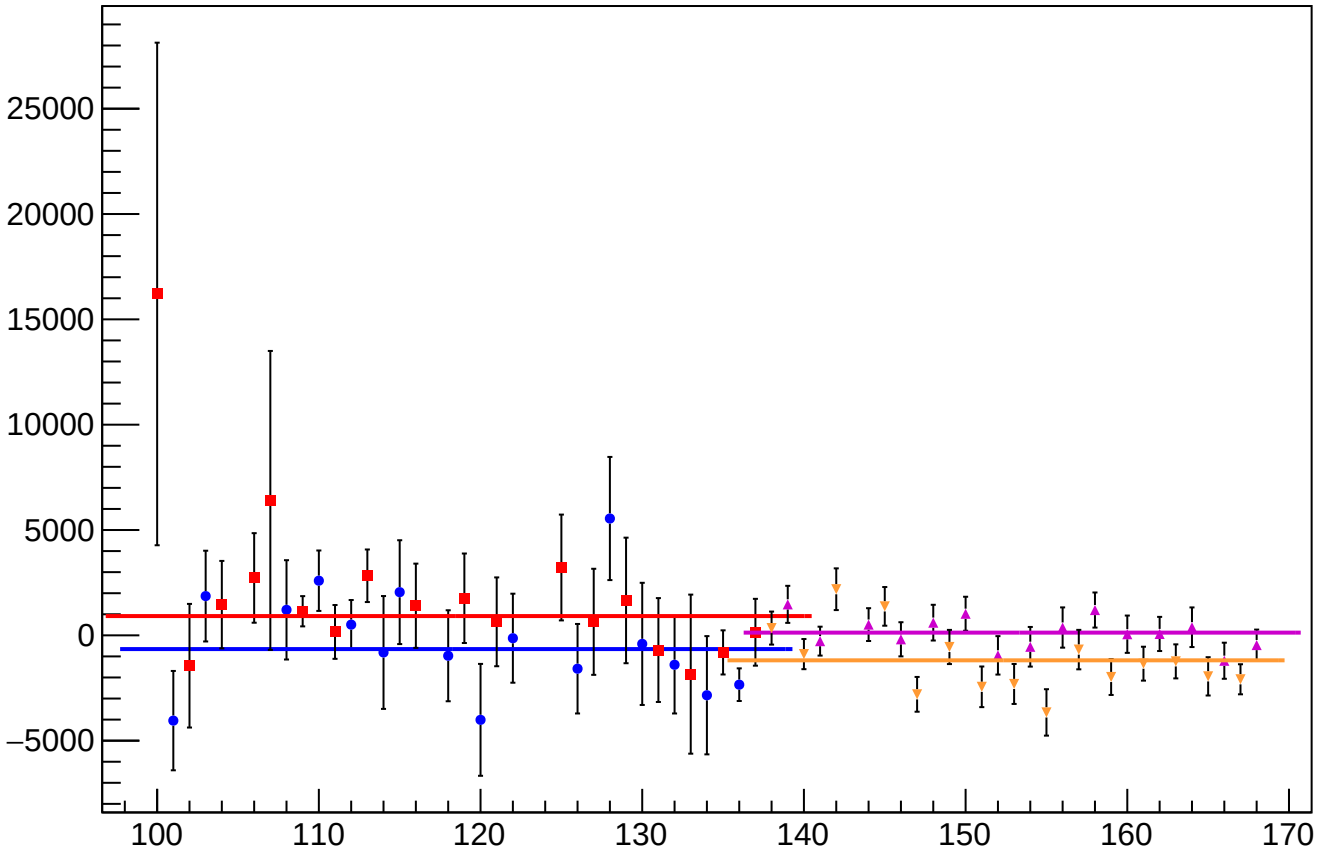
Left: 1790.593+/-0.257 χ^2/NDF: 12150.2/29

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1806.010+/-0.289 χ^2/NDF:306350.2/30

Out: 1803.164+/-0.293 χ^2/NDF:112545.1/32

All: 1804.605+/-0.206 χ^2/NDF: 418943.1/63



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1186.225+/-220.603 χ^2/NDF:39.5/14

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 128.805+/-215.508 χ^2/NDF:11.4/14

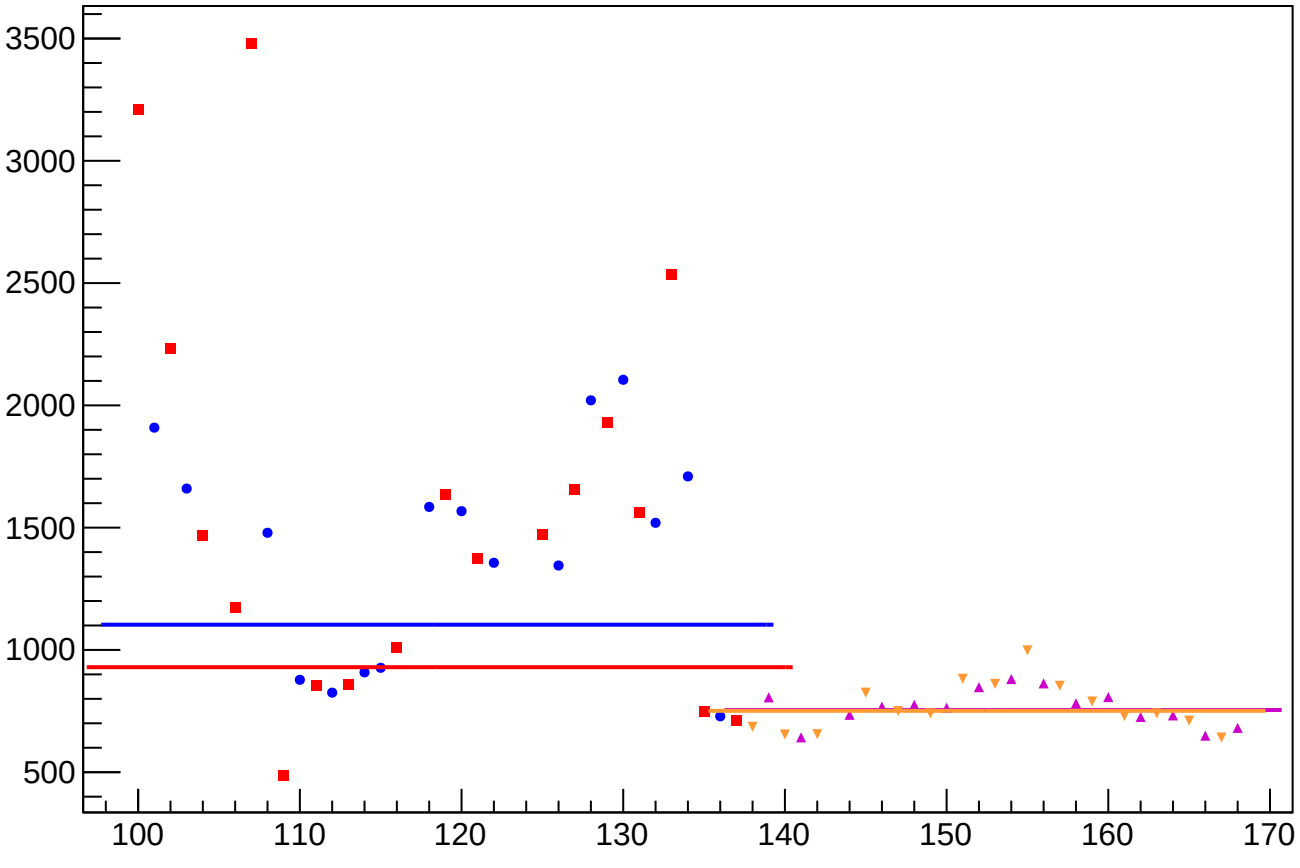
Left: -513.348+/-154.157 χ^2/NDF: 69.0/29

Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -21.079+/-193.721 χ^2/NDF:37.1/30

Out: -683.664+/-192.418 χ^2/NDF:72.7/32

All: -354.607+/-136.518 χ^2/NDF: 115.7/63



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 751.080+/-0.156 χ^2/NDF:327636.2/14

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 754.265+/-0.152 χ^2/NDF:209162.0/14

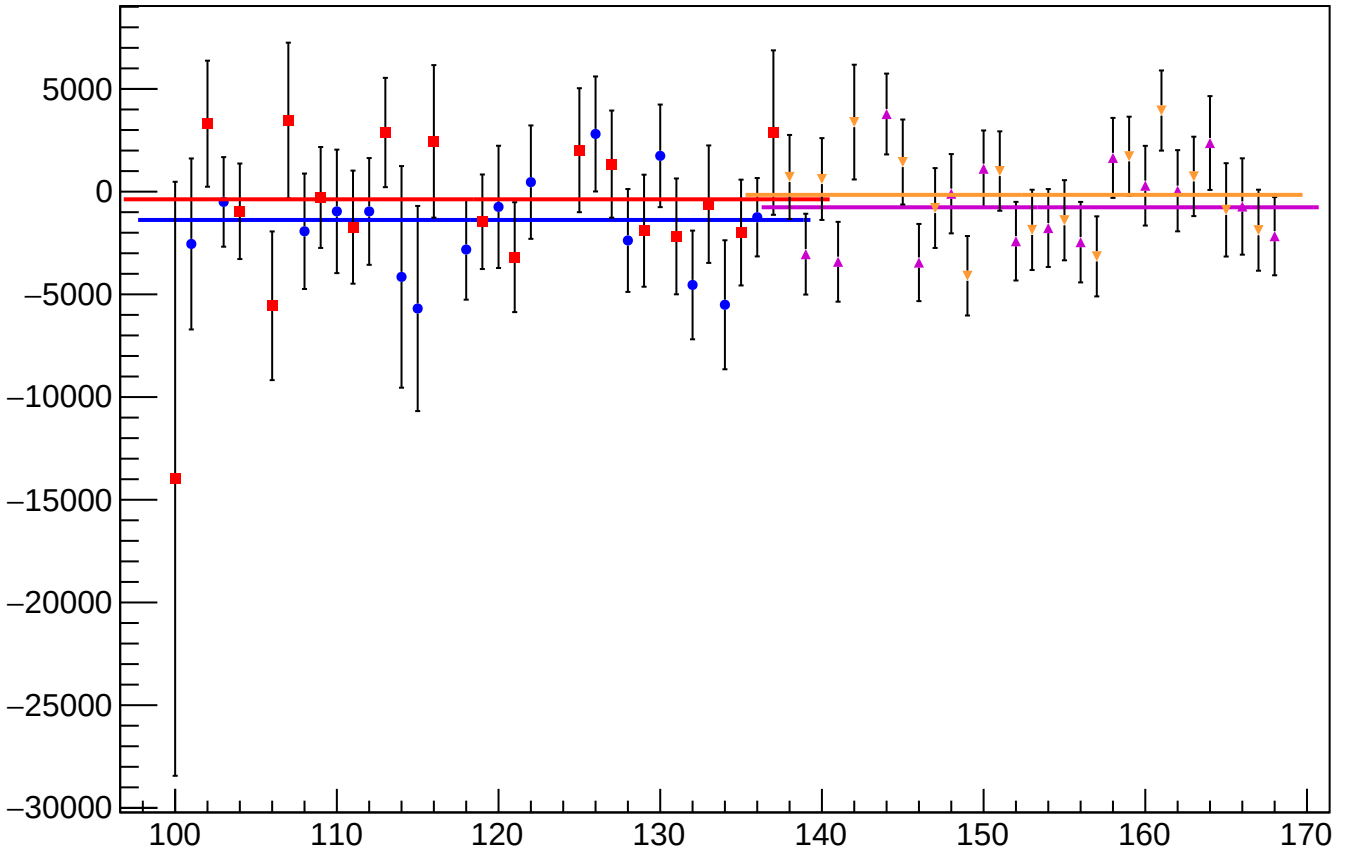
Left: 752.710+/-0.109 χ^2/NDF: 537011.5/29

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 821.248+/-0.137 χ^2/NDF:3093790.6/30

Out: 793.725+/-0.136 χ^2/NDF:3694168.7/32

All: 807.394+/-0.097 χ^2/NDF: 6808281.2/63



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -156.674+/-520.581 χ^2/NDF:17.1/14

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -761.023+/-508.503 χ^2/NDF:17.9/14

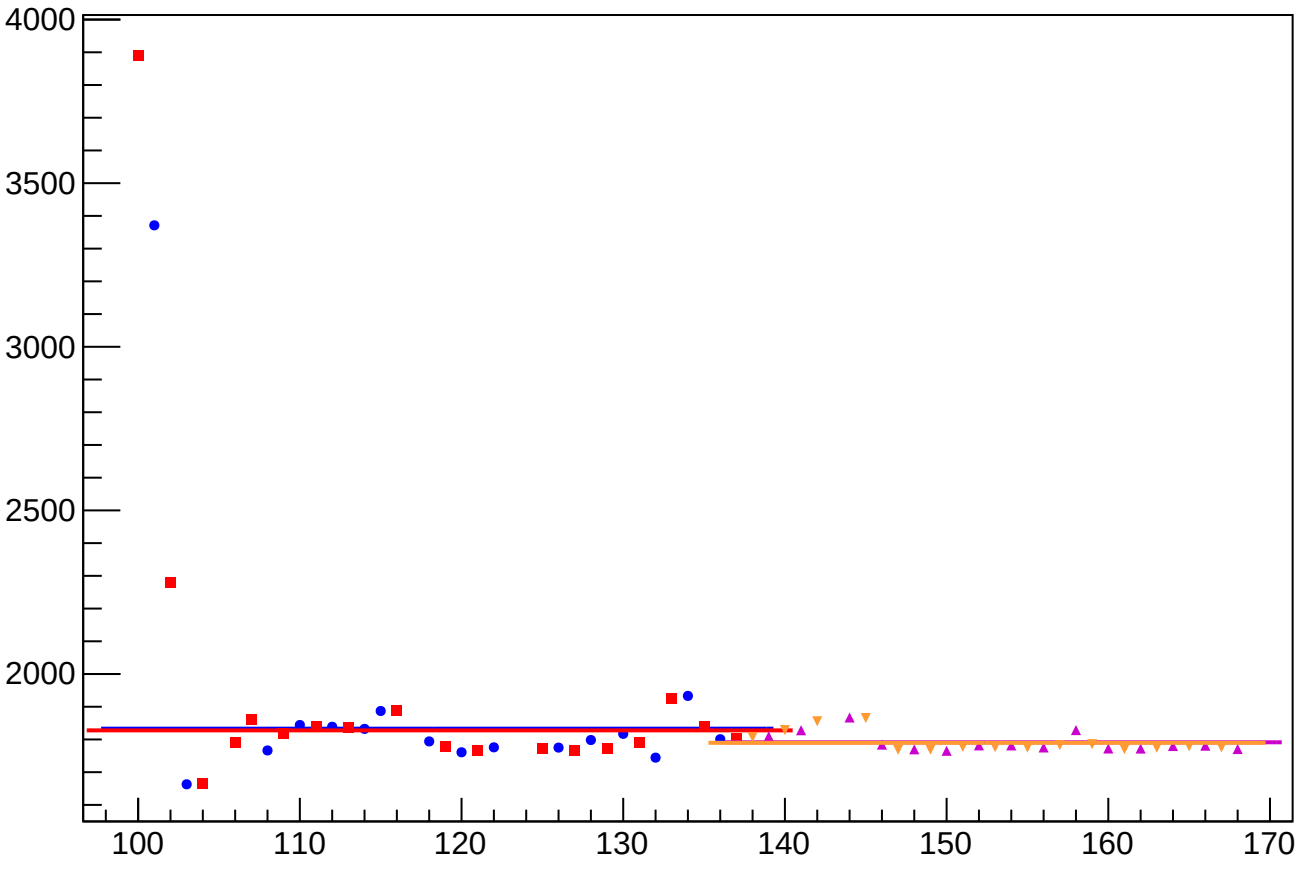
Left: -465.941+/-363.761 χ^2/NDF: 35.7/29

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -978.617+/-409.147 χ^2/NDF:27.7/30

Out: -235.789+/-414.341 χ^2/NDF:29.1/32

All: -611.888+/-291.130 χ^2/NDF: 58.5/63



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

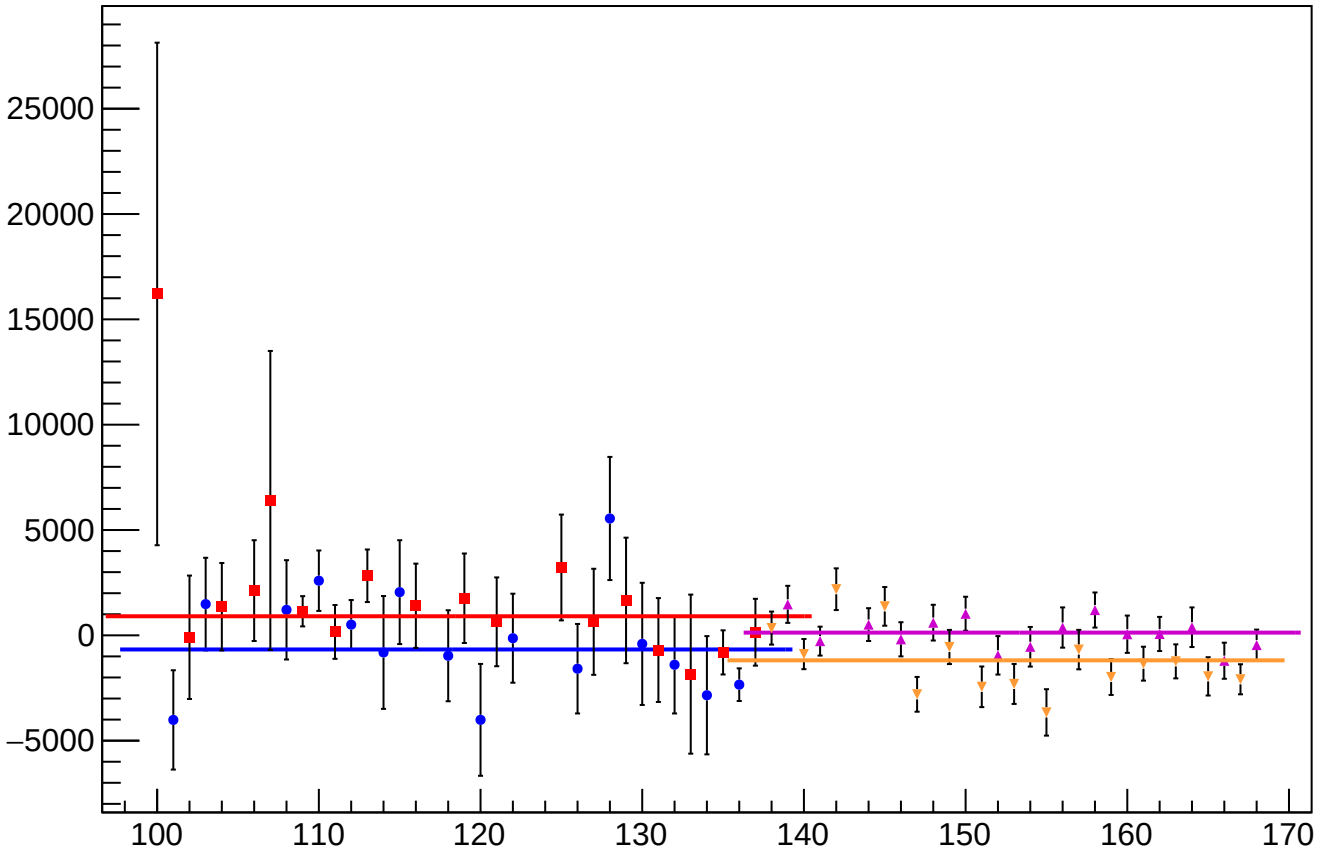
Left: 1790.593+/-0.257 χ^2/NDF: 12150.2/29

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1806.010+/-0.289 χ^2/NDF:306352.0/30

Out: 1803.729+/-0.293 χ^2/NDF:112122.6/32

All: 1804.884+/-0.206 χ^2/NDF: 418505.3/63



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 128.705+/-215.509 χ^2/NDF:11.4/14

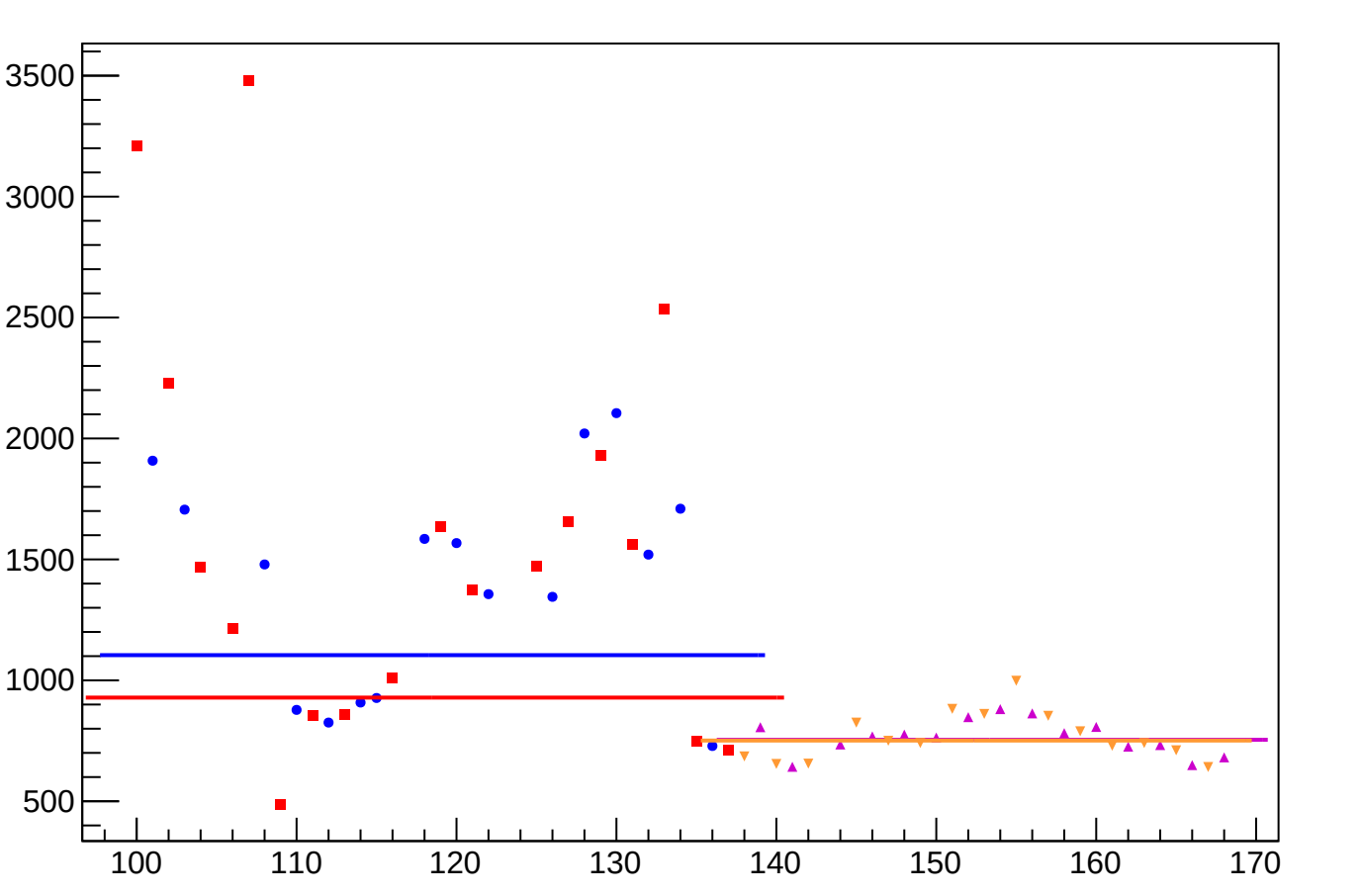
Left: -513.402+/-154.158 χ^2/NDF: 69.0/29

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -24.523+/-193.752 χ^2/NDF:36.8/30

Out: -688.468+/-192.581 χ^2/NDF:71.4/32

All: -358.509+/-136.587 χ^2/NDF: 114.1/63



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 751.085+/-0.156 χ^2/NDF:327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 754.267+/-0.152 χ^2/NDF:209226.0/14

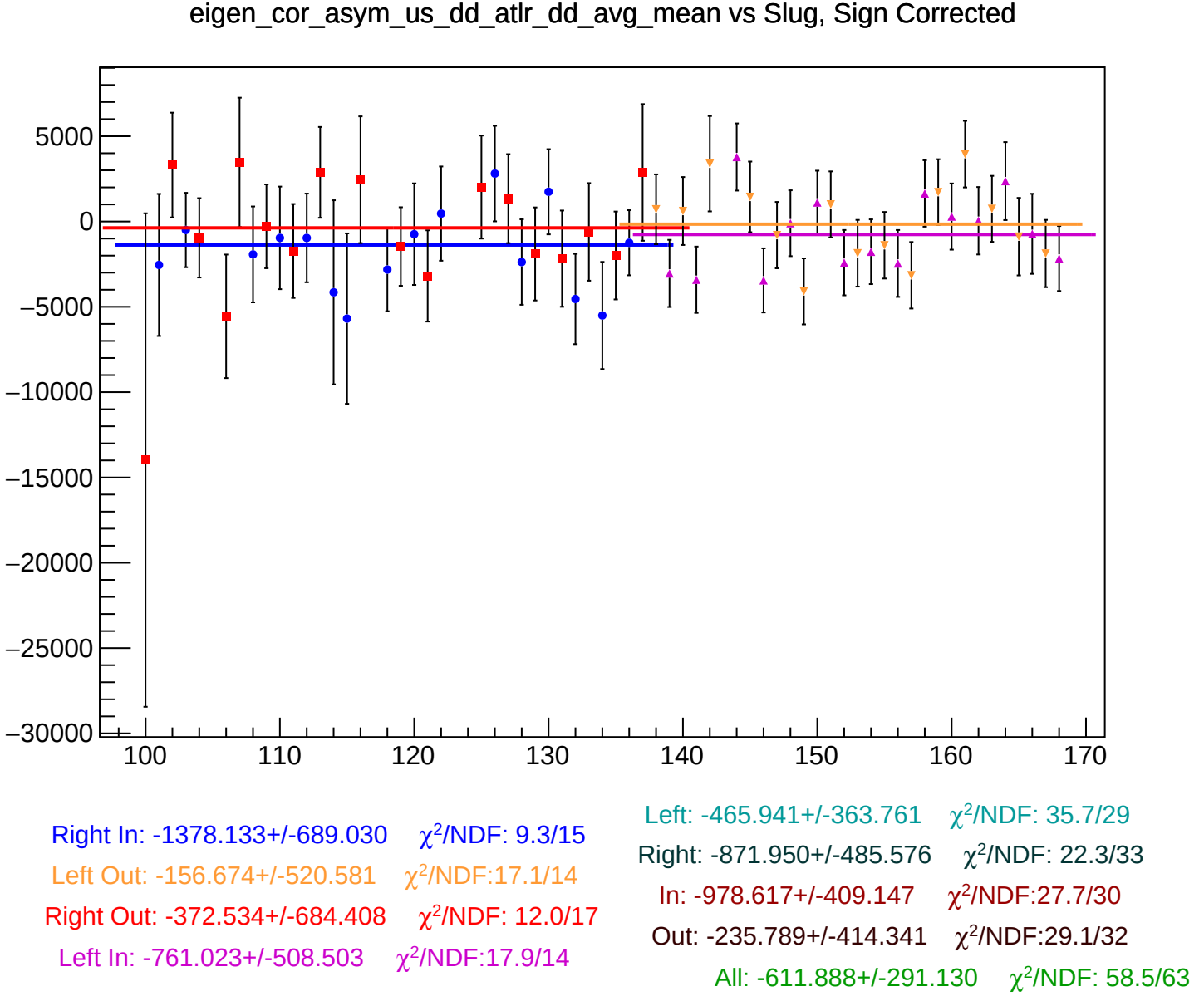
Left: 752.713+/-0.109 χ^2/NDF: 537048.1/29

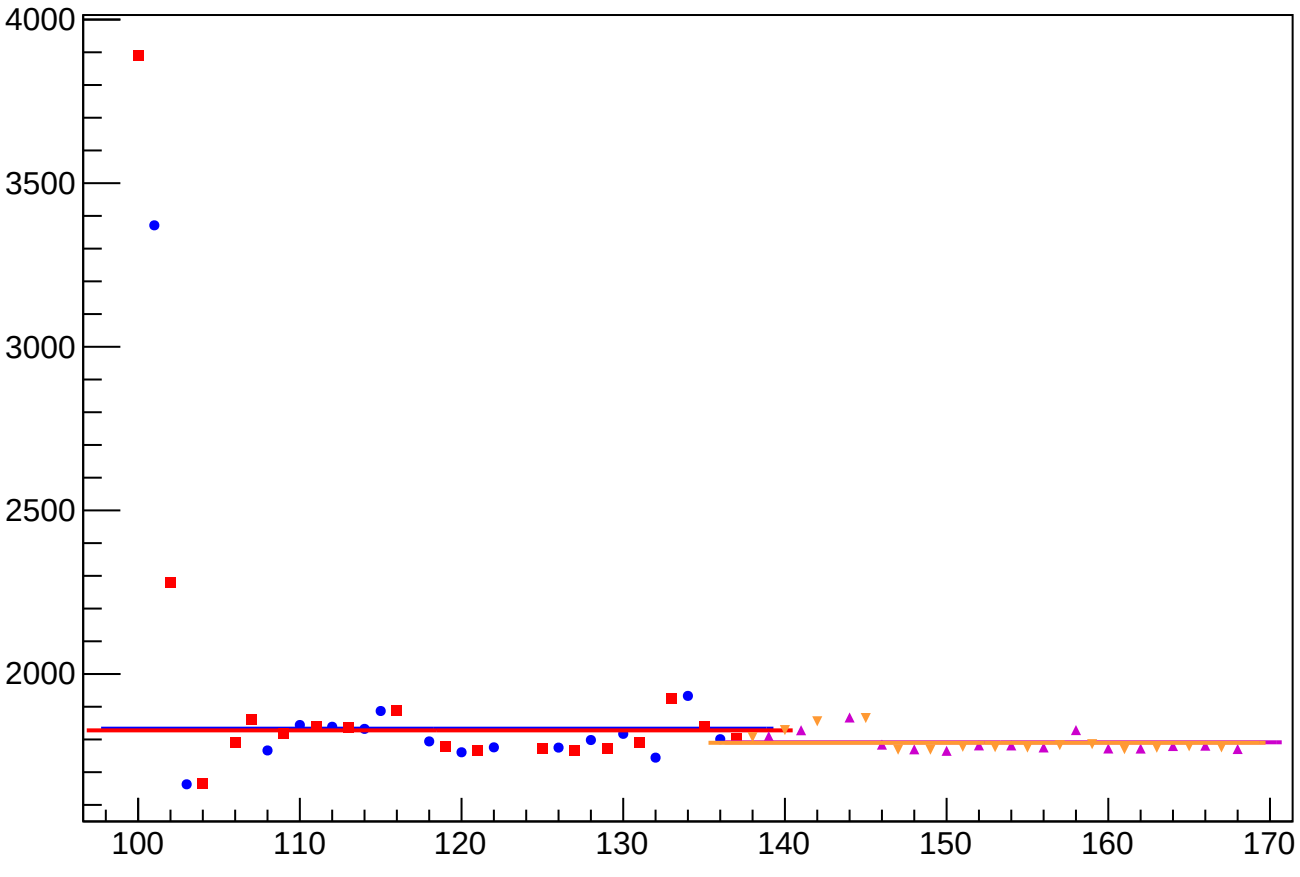
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 821.336+/-0.137 χ^2/NDF:3114091.5/30

Out: 793.327+/-0.136 χ^2/NDF:3690204.5/32

All: 807.247+/-0.097 χ^2/NDF: 6825319.7/63


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -156.674+/-520.581 χ²/NDF:17.1/14
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -761.023+/-508.503 χ²/NDF:17.9/14
Left: -465.941+/-363.761 χ²/NDF: 35.7/29
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -978.617+/-409.147 χ²/NDF:27.7/30
Out: -235.789+/-414.341 χ²/NDF:29.1/32
All: -611.888+/-291.130 χ²/NDF: 58.5/63



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1789.811+/-0.368 χ^2/NDF:5951.9/14

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1791.339+/-0.360 χ^2/NDF:6189.4/14

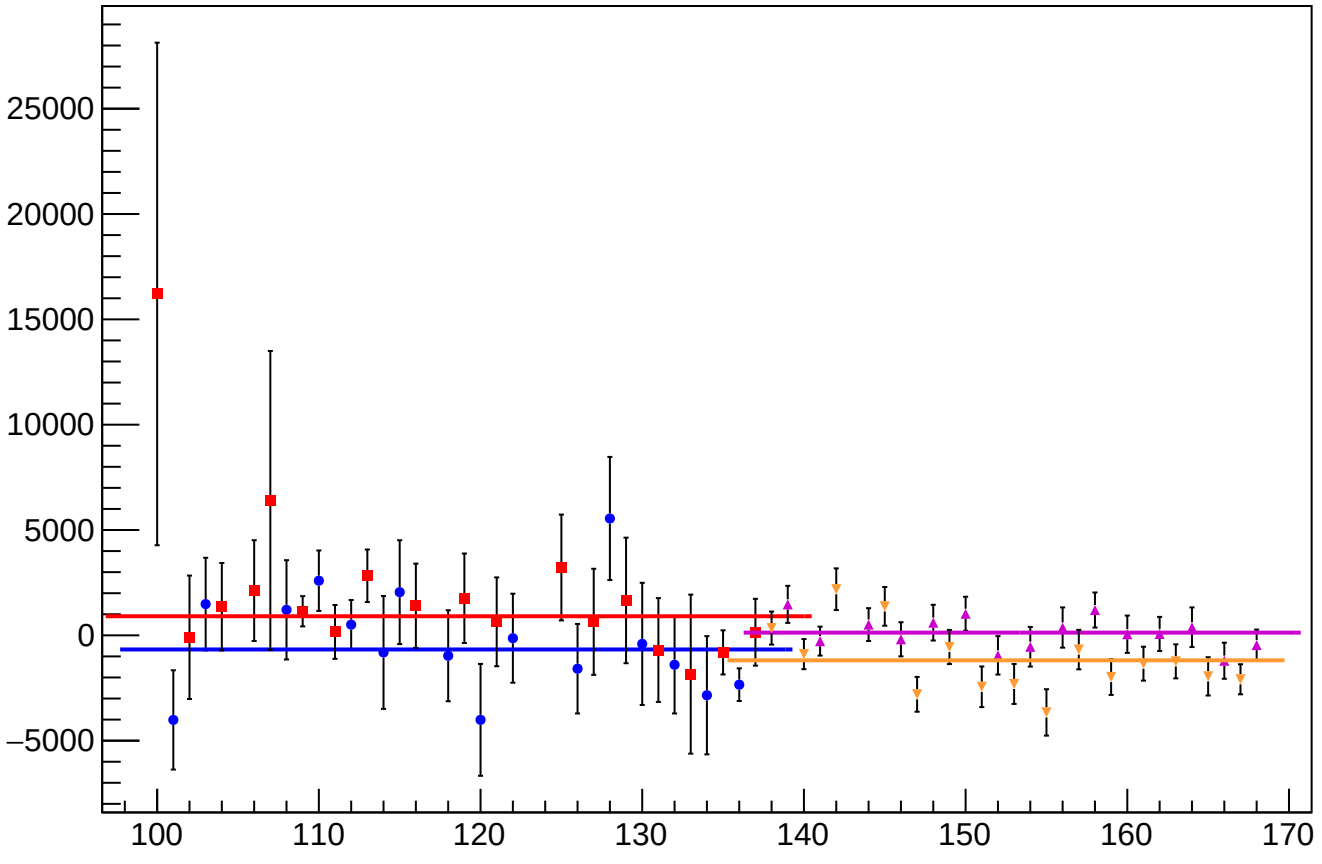
Left: 1790.593+/-0.257 χ^2/NDF: 12150.2/29

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1806.010+/-0.289 χ^2/NDF:306352.0/30

Out: 1803.729+/-0.293 χ^2/NDF:112122.6/32

All: 1804.884+/-0.206 χ^2/NDF: 418505.3/63



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1186.233+/-220.604 χ^2/NDF:39.4/14

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 128.705+/-215.509 χ^2/NDF:11.4/14

Left: -513.402+/-154.158 χ^2/NDF: 69.0/29

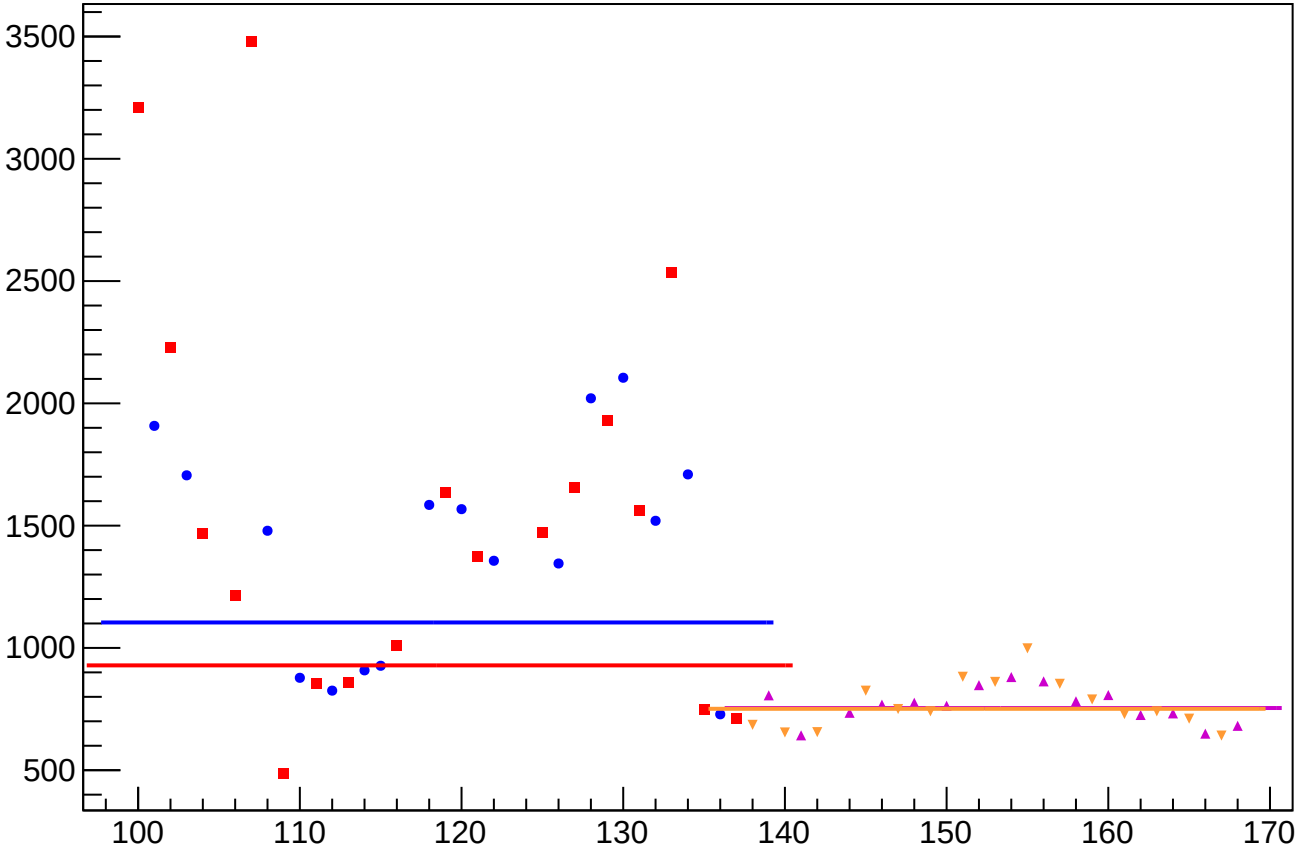
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -24.523+/-193.752 χ^2/NDF:36.8/30

Out: -688.468+/-192.581 χ^2/NDF:71.4/32

All: -358.509+/-136.587 χ^2/NDF: 114.1/63

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: 751.085+/-0.156 χ^2/NDF:327609.2/14

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 754.267+/-0.152 χ^2/NDF:209226.0/14

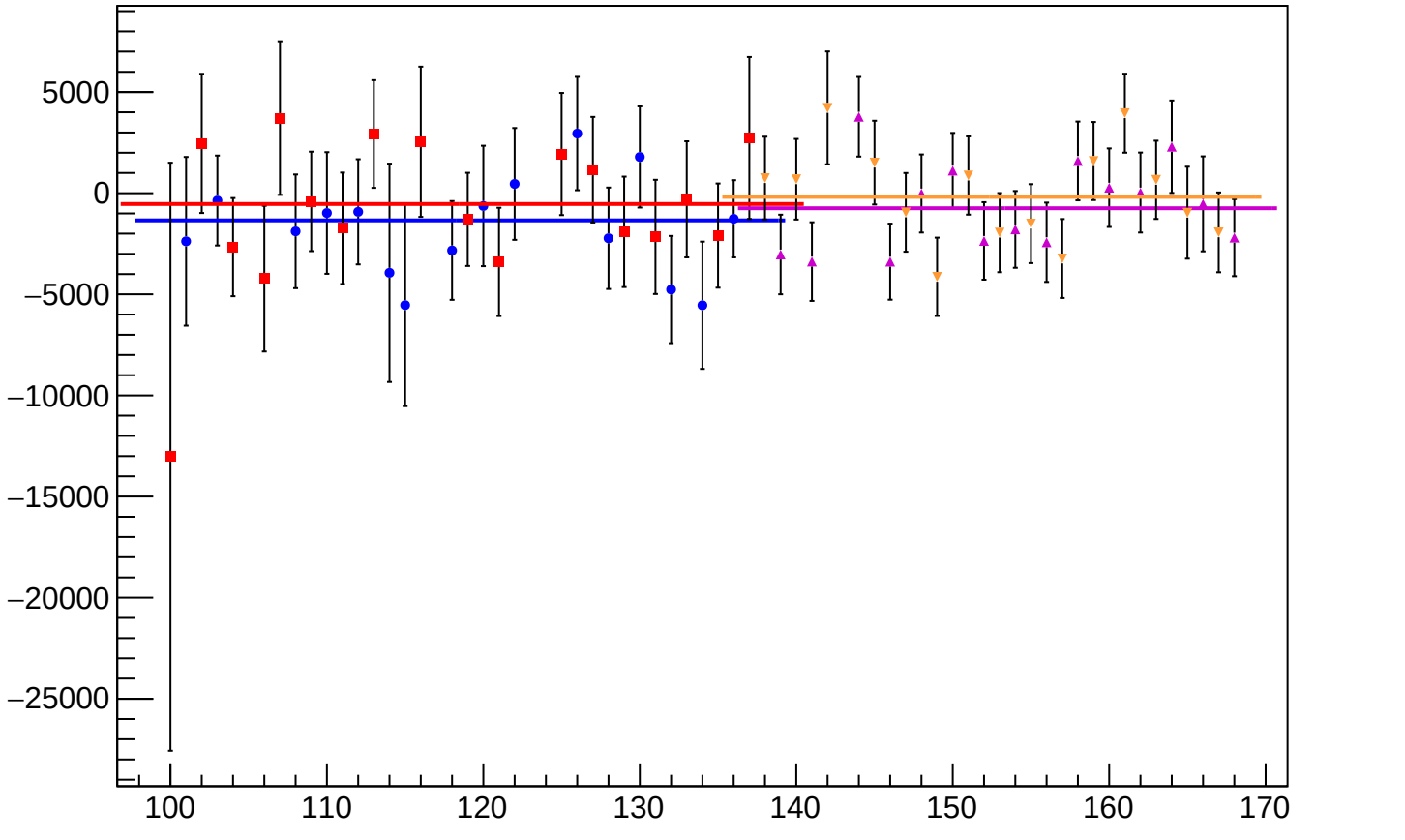
Left: 752.713+/-0.109 χ^2/NDF: 537048.1/29

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 821.336+/-0.137 χ^2/NDF:3114091.5/30

Out: 793.327+/-0.136 χ^2/NDF:3690204.5/32

All: 807.247+/-0.097 χ^2/NDF: 6825319.7/63



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -181.850+/-520.920 χ^2/NDF:18.3/14

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -744.448+/-508.856 χ^2/NDF:17.6/14

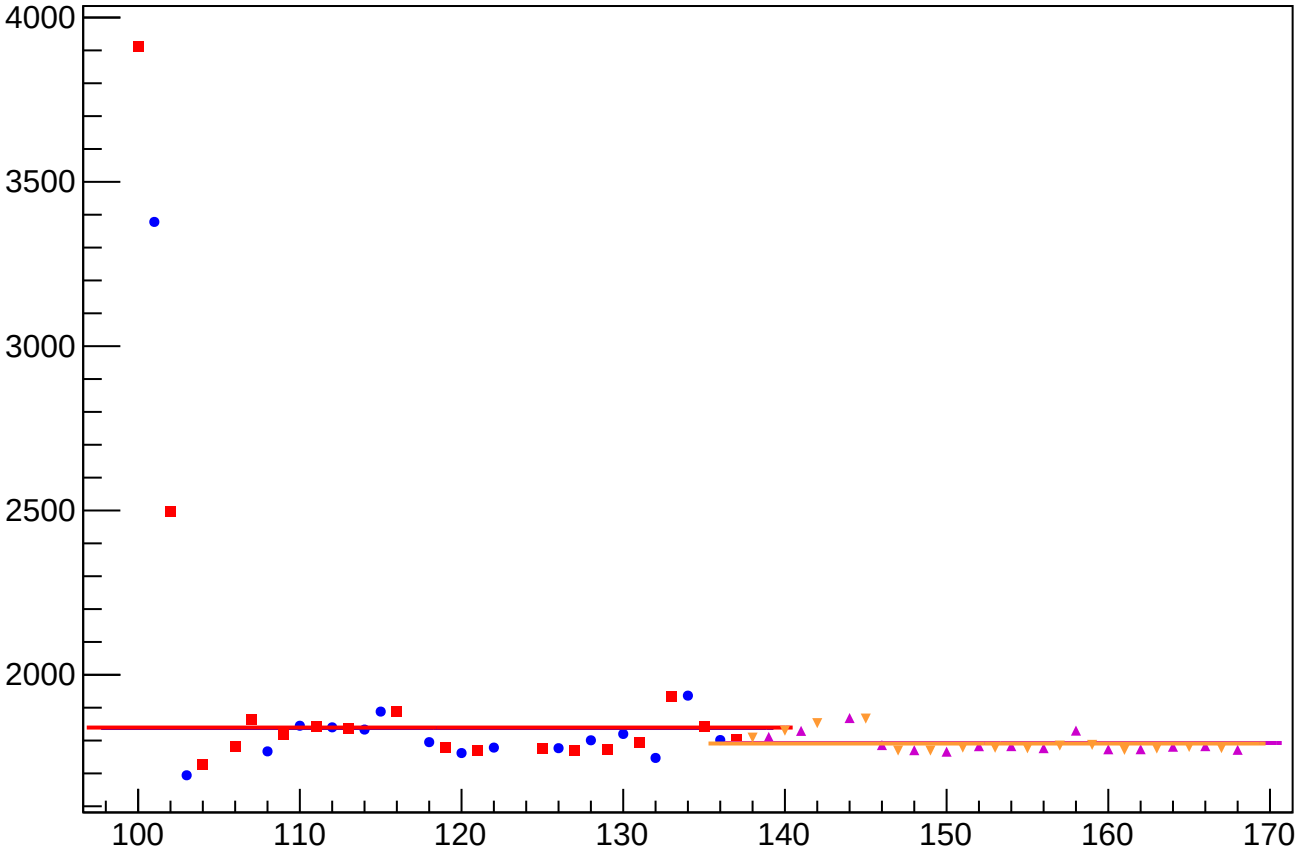
Left: -469.739+/-364.006 χ^2/NDF: 36.5/29

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -955.266+/-409.730 χ^2/NDF:27.7/30

Out: -309.536+/-415.957 χ^2/NDF:29.6/32

All: -637.270+/-291.900 χ^2/NDF: 58.5/63



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1790.970+/-0.368 χ^2/NDF:5852.0/14

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1792.580+/-0.360 χ^2/NDF:6221.8/14

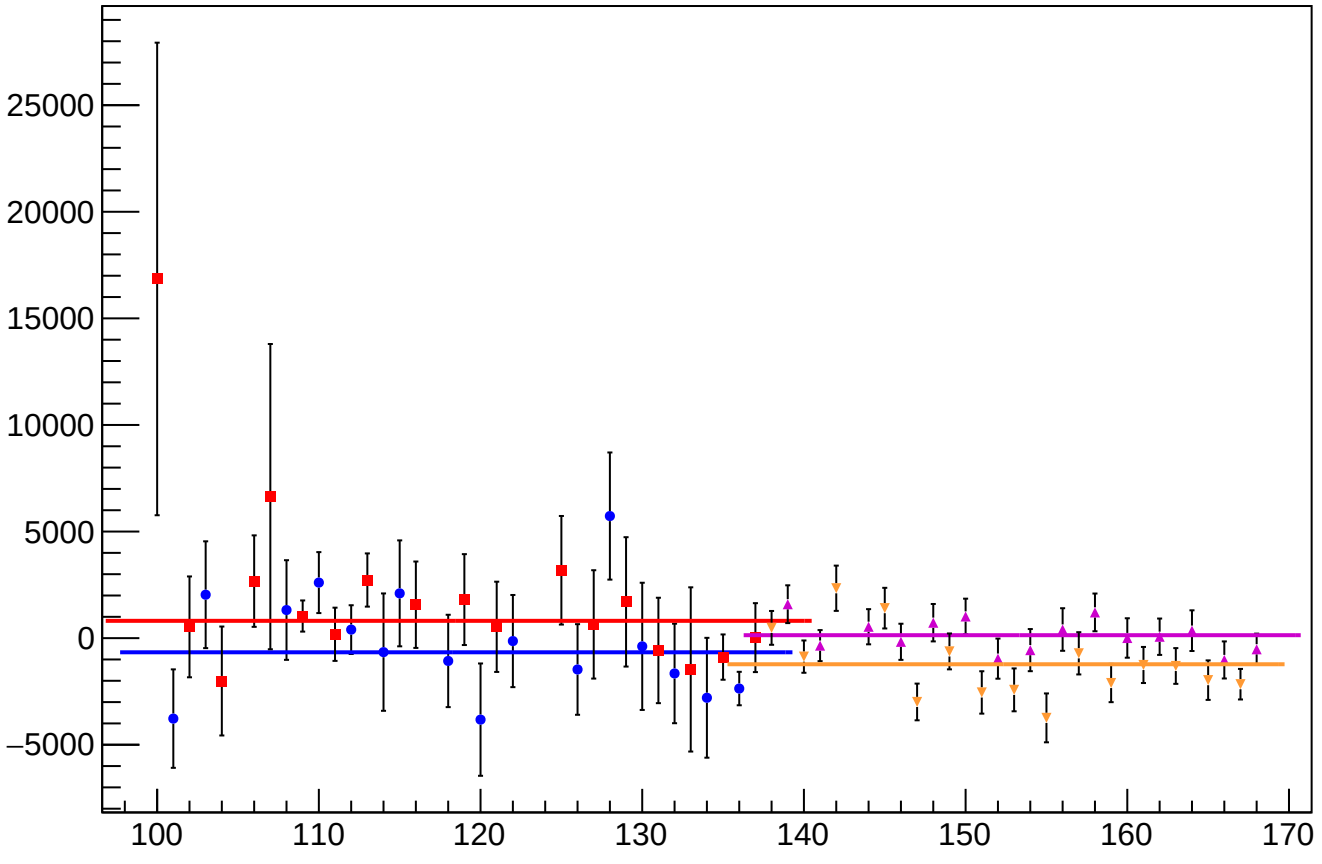
Left: 1791.794+/-0.257 χ^2/NDF: 12083.6/29

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1808.608+/-0.290 χ^2/NDF:303848.7/30

Out: 1808.563+/-0.294 χ^2/NDF:140400.7/32

All: 1808.586+/-0.206 χ^2/NDF: 444249.4/63



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1224.583+/-229.239 χ^2/NDF:40.1/14

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 138.448+/-223.535 χ^2/NDF:11.1/14

Left: -525.899+/-160.042 χ^2/NDF: 69.3/29

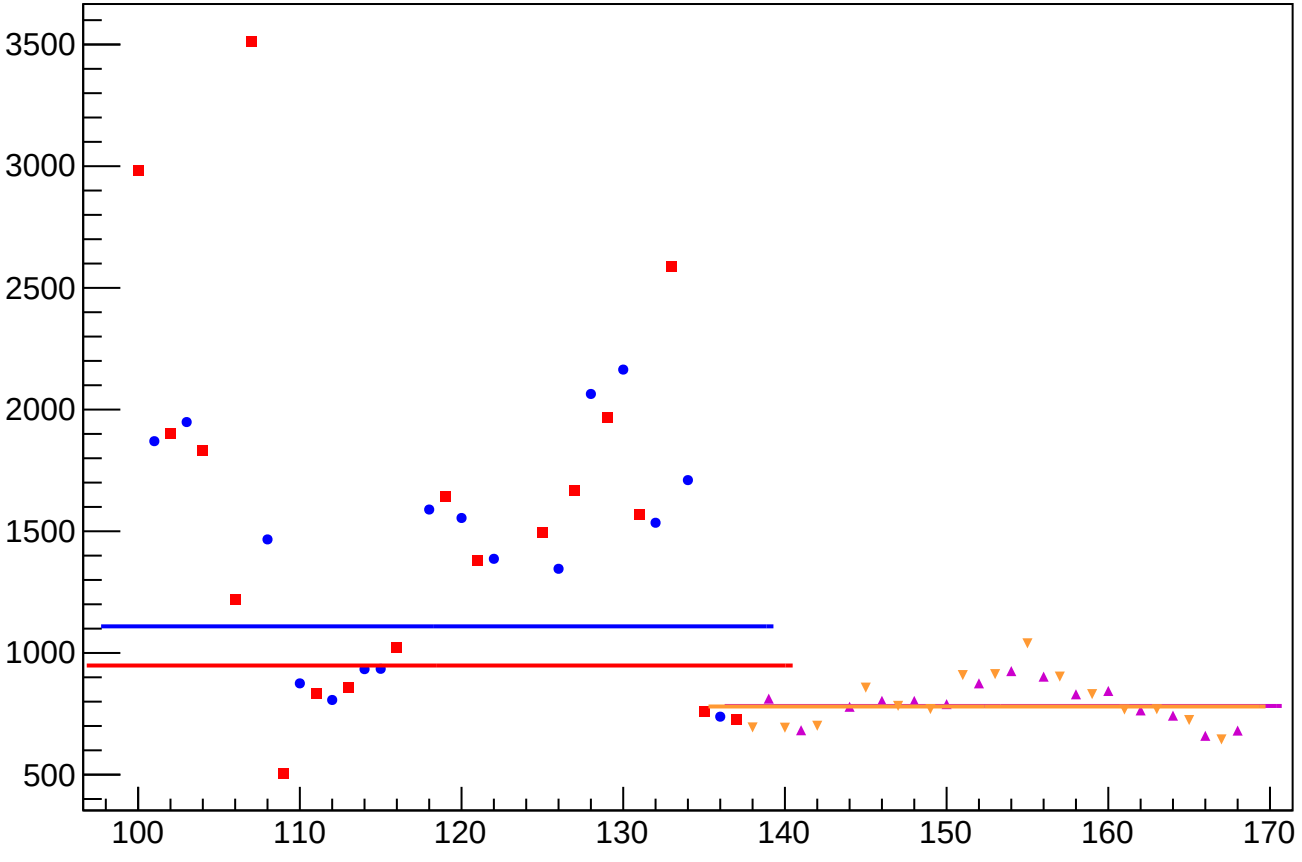
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -22.611+/-199.831 χ^2/NDF:36.5/30

Out: -715.647+/-198.543 χ^2/NDF:72.1/32

All: -371.369+/-140.844 χ^2/NDF: 114.6/63

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: 780.077+/-0.162 χ^2/NDF:362024.1/14

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 782.265+/-0.158 χ^2/NDF:229972.4/14

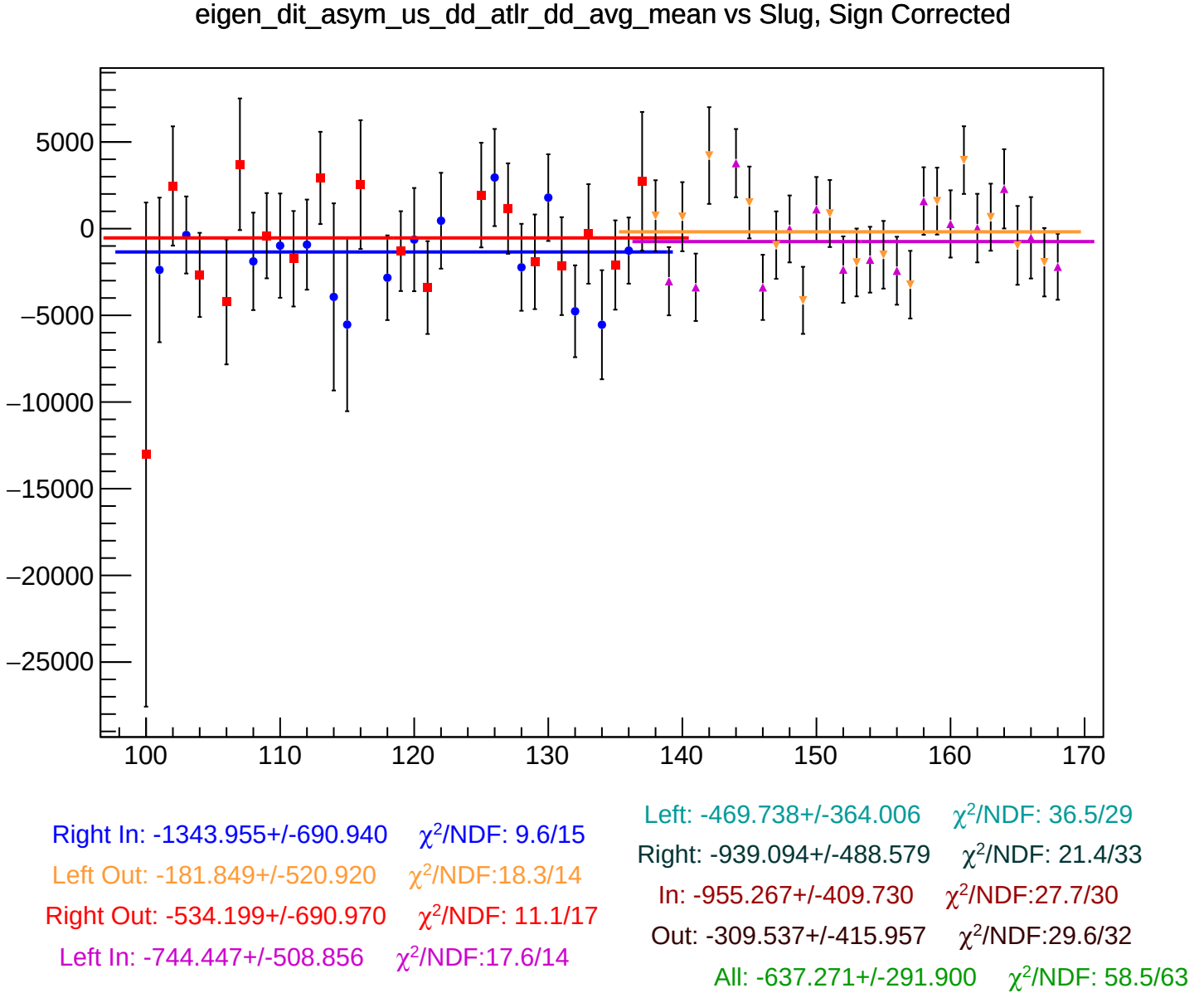
Left: 781.198+/-0.113 χ^2/NDF: 592090.0/29

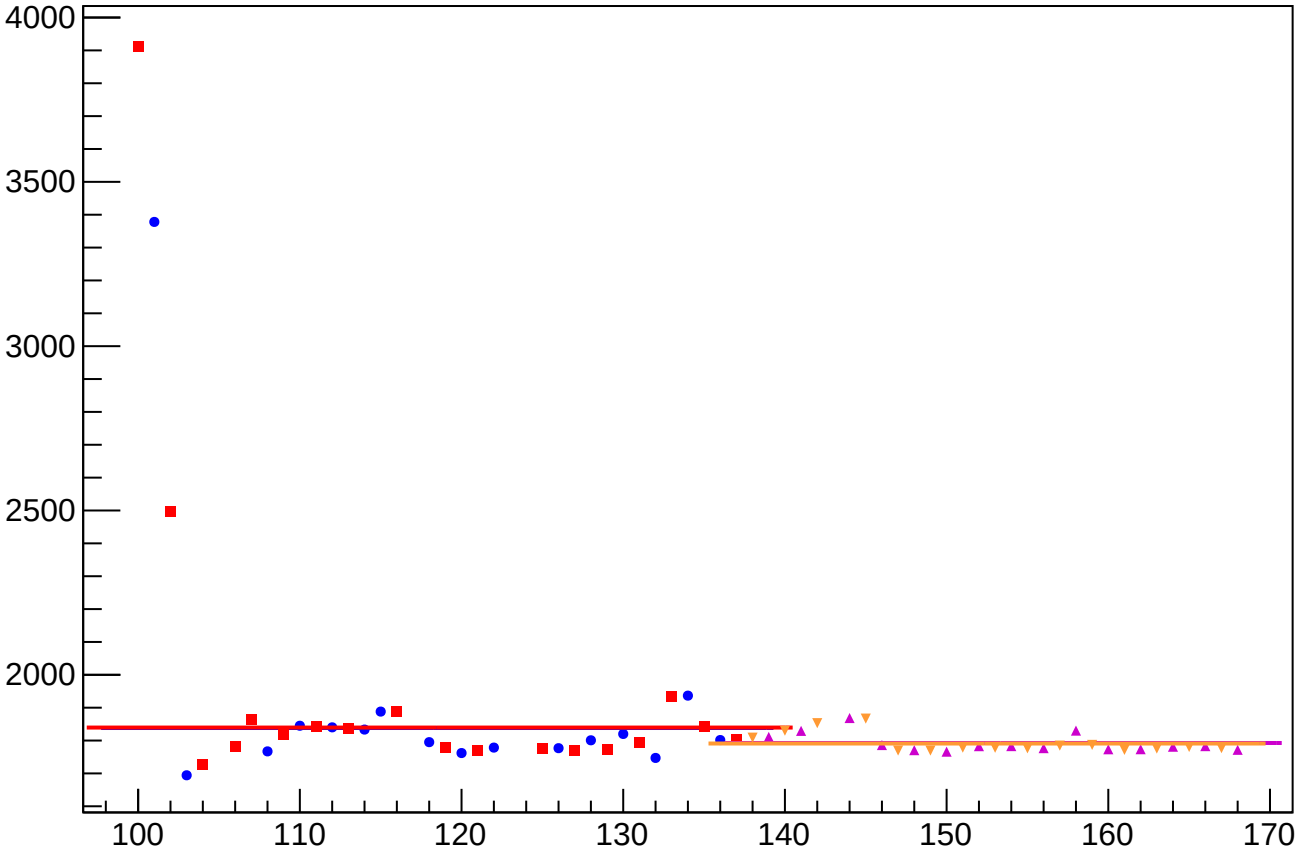
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 847.958+/-0.141 χ^2/NDF:3063411.4/30

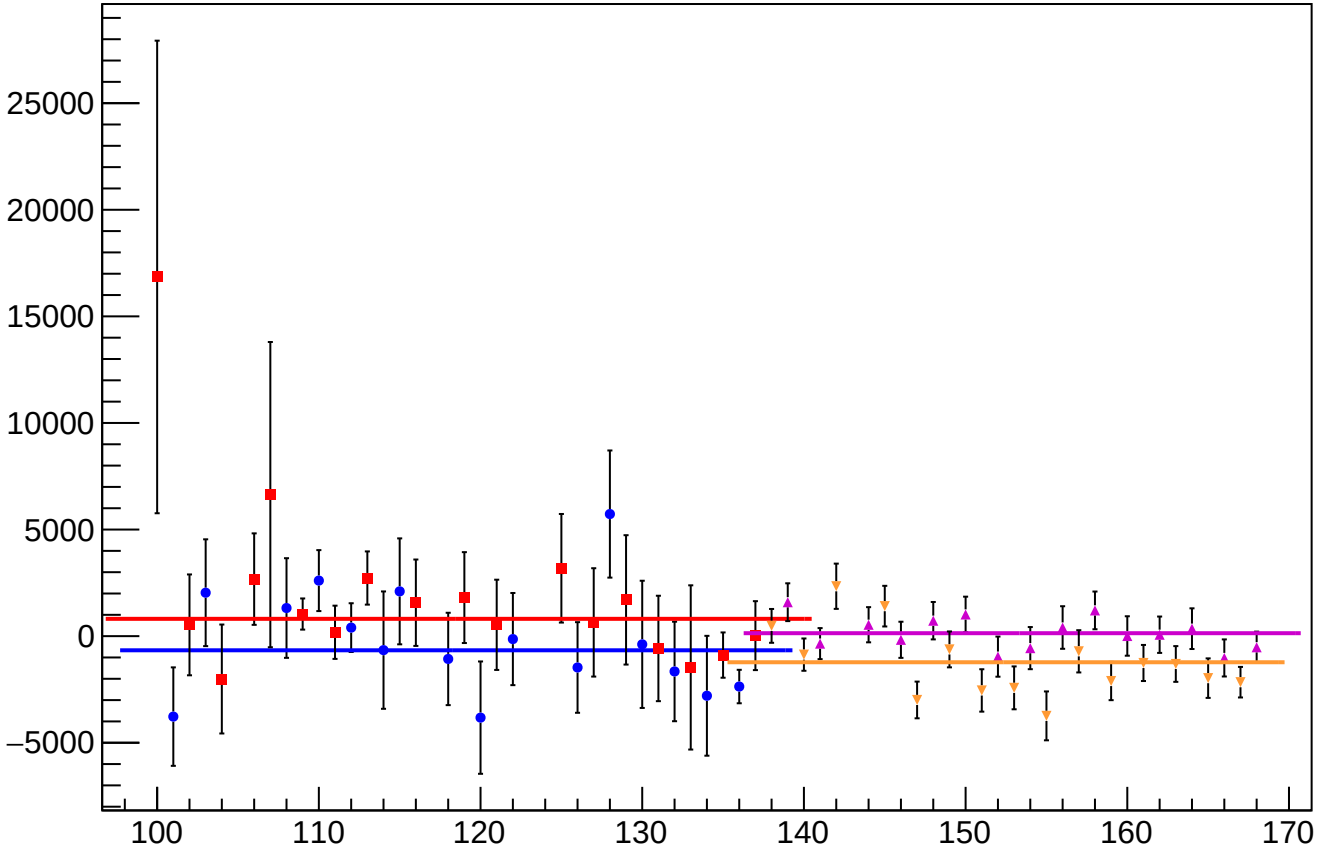
Out: 822.146+/-0.140 χ^2/NDF:3685257.9/32

All: 834.969+/-0.100 χ^2/NDF: 6765462.3/63


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -181.849+/-520.920 χ²/NDF:18.3/14
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -744.447+/-508.856 χ²/NDF:17.6/14
Left: -469.738+/-364.006 χ²/NDF: 36.5/29
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -955.267+/-409.730 χ²/NDF:27.7/30
Out: -309.537+/-415.957 χ²/NDF:29.6/32
All: -637.271+/-291.900 χ²/NDF: 58.5/63


eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1838.159+/-0.489 χ²/NDF: 291984.0/15
Left Out: 1790.970+/-0.368 χ²/NDF:5852.0/14
Right Out: 1839.517+/-0.489 χ²/NDF: 128253.6/17
Left In: 1792.580+/-0.360 χ²/NDF:6221.8/14
Left: 1791.794+/-0.257 χ²/NDF: 12083.6/29
Right: 1838.838+/-0.345 χ²/NDF: 420241.4/33
In: 1808.608+/-0.290 χ²/NDF:303848.7/30
Out: 1808.563+/-0.294 χ²/NDF:140400.7/32
All: 1808.586+/-0.206 χ²/NDF: 444249.4/63

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: -1224.590+/-229.239 χ^2/NDF:40.1/14

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 138.445+/-223.535 χ^2/NDF:11.1/14

Left: -525.903+/-160.042 χ^2/NDF: 69.3/29

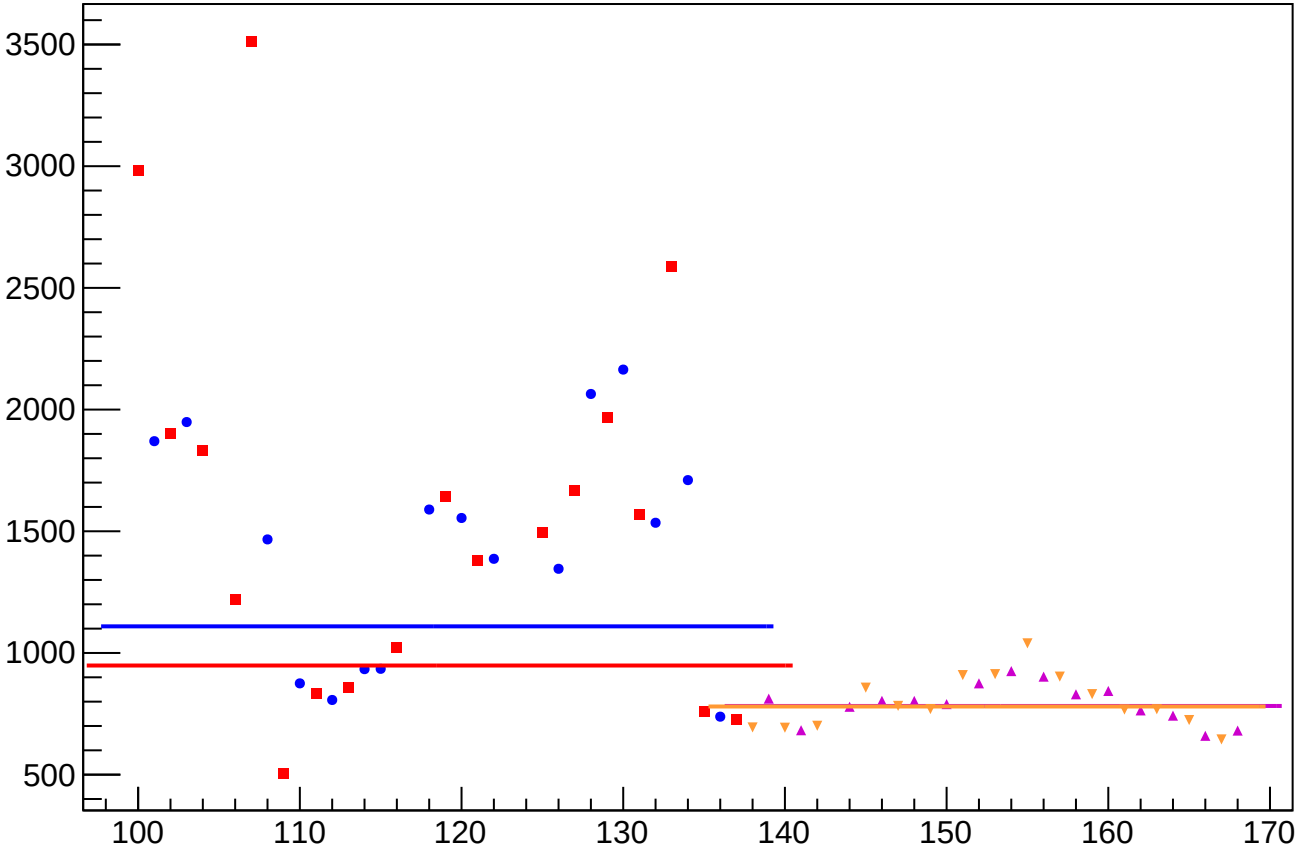
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -22.611+/-199.831 χ^2/NDF:36.5/30

Out: -715.650+/-198.544 χ^2/NDF:72.1/32

All: -371.370+/-140.845 χ^2/NDF: 114.6/63

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: 780.078+/-0.162 χ^2/NDF:362013.8/14

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 782.265+/-0.158 χ^2/NDF:229978.4/14

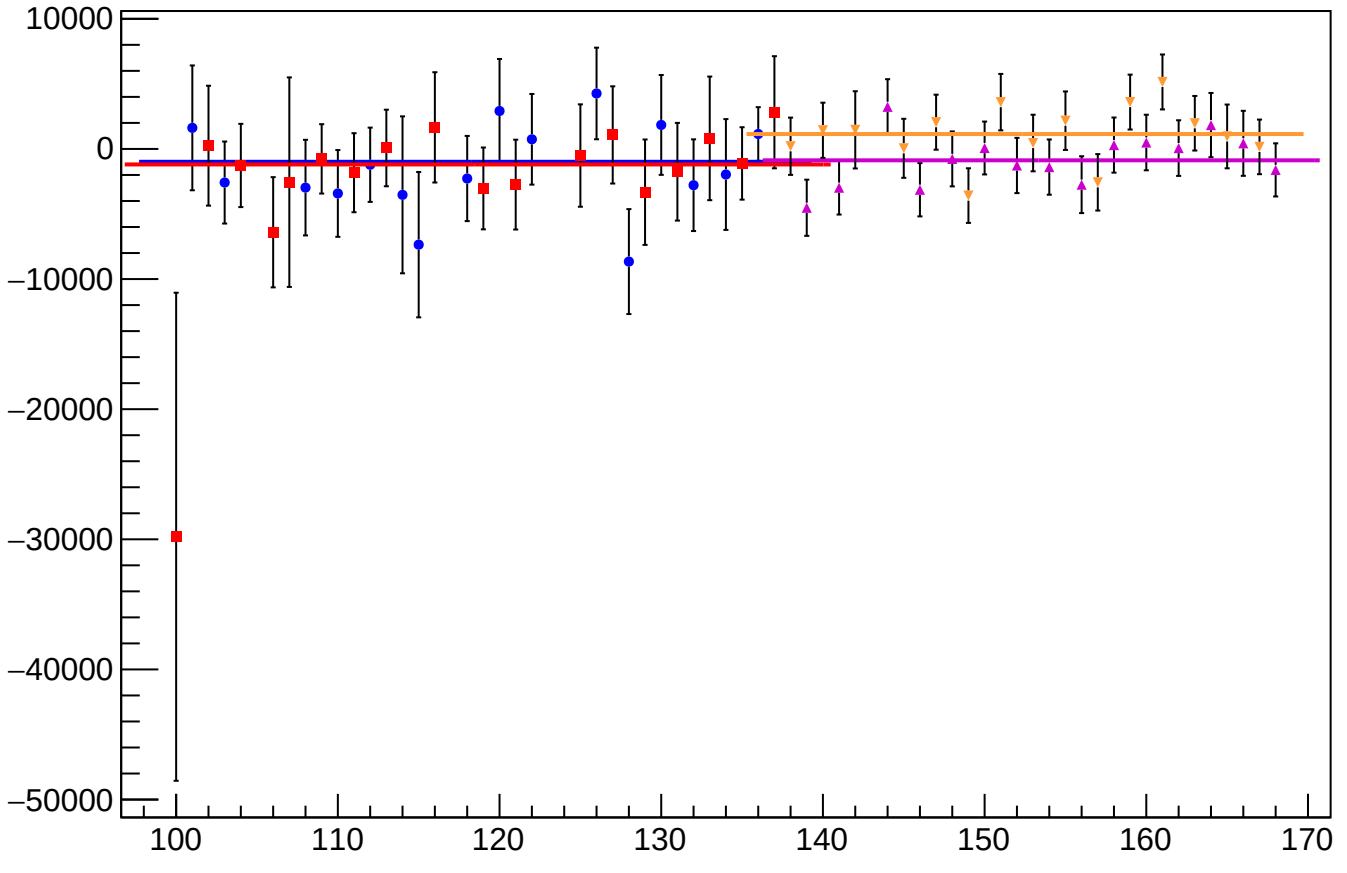
Left: 781.199+/-0.113 χ^2/NDF: 592085.5/29

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 847.959+/-0.141 χ^2/NDF:3063391.4/30

Out: 822.147+/-0.140 χ^2/NDF:3685224.5/32

All: 834.970+/-0.100 χ^2/NDF: 6765407.6/63



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1144.703+/-568.636 χ^2/NDF:15.6/14

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -874.784+/-554.302 χ^2/NDF:12.4/14

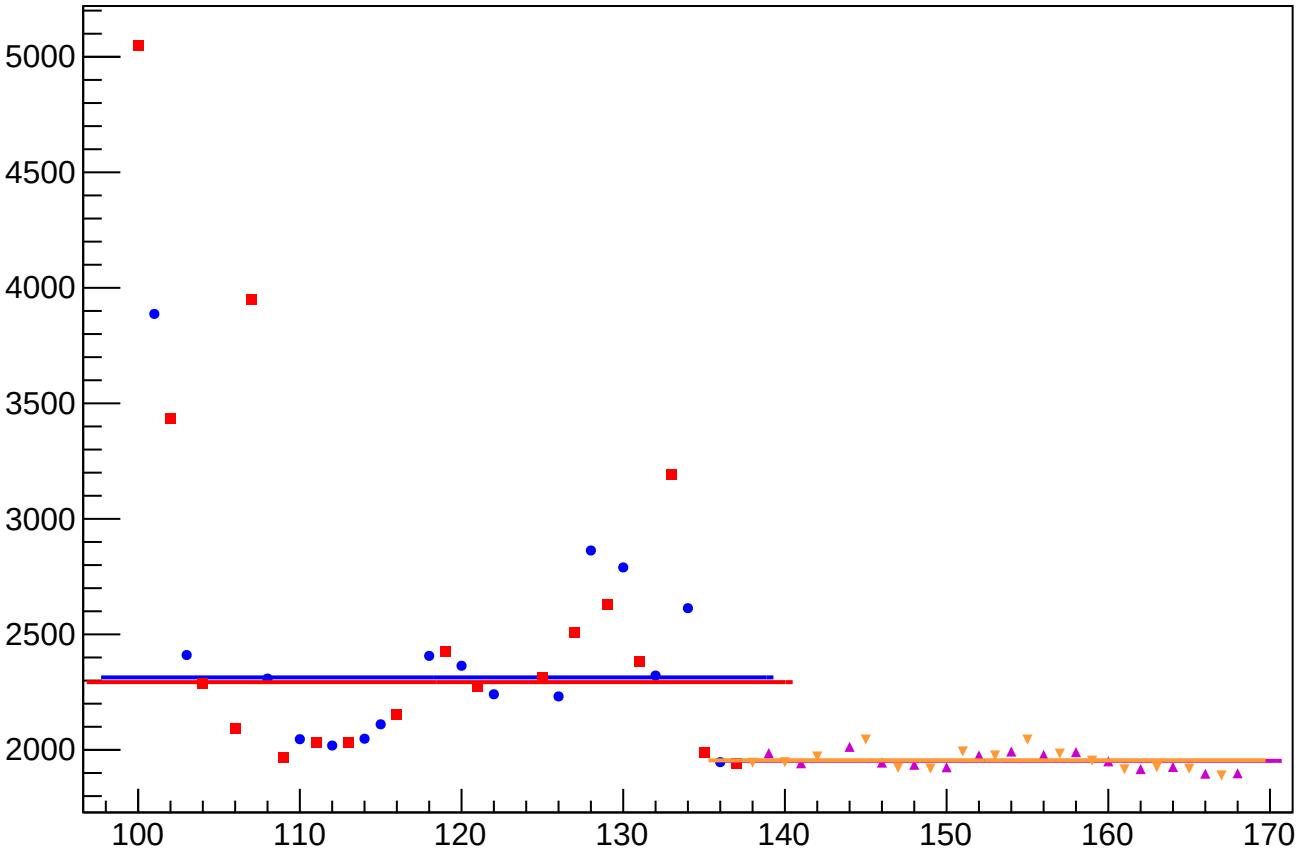
Left: 109.186+/-396.922 χ^2/NDF: 34.5/29

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -907.134+/-468.074 χ^2/NDF:24.4/30

Out: 445.700+/-476.055 χ^2/NDF:27.6/32

All: -242.151+/-333.764 χ^2/NDF: 56.1/63



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1954.670+/-0.402 χ^2/NDF:12170.8/14

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1952.500+/-0.392 χ^2/NDF:7738.2/14

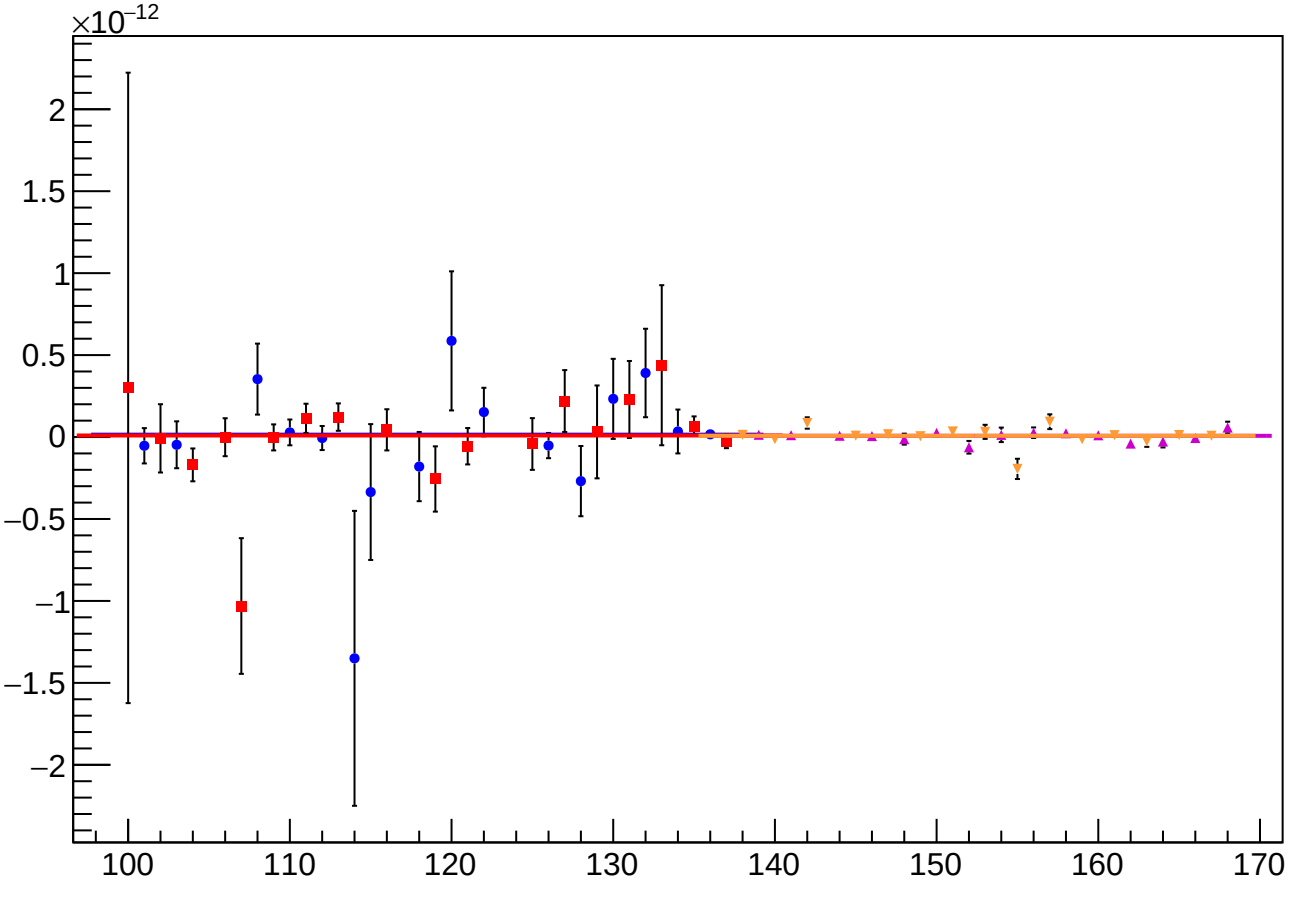
Left: 1953.557+/-0.281 χ^2/NDF: 19924.0/29

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2056.149+/-0.331 χ^2/NDF:654218.6/30

Out: 2055.954+/-0.337 χ^2/NDF:677498.8/32

All: 2056.053+/-0.236 χ^2/NDF: 1331717.5/63



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/14

Left: 0.000+/-0.000 χ^2/NDF: 35.1/29

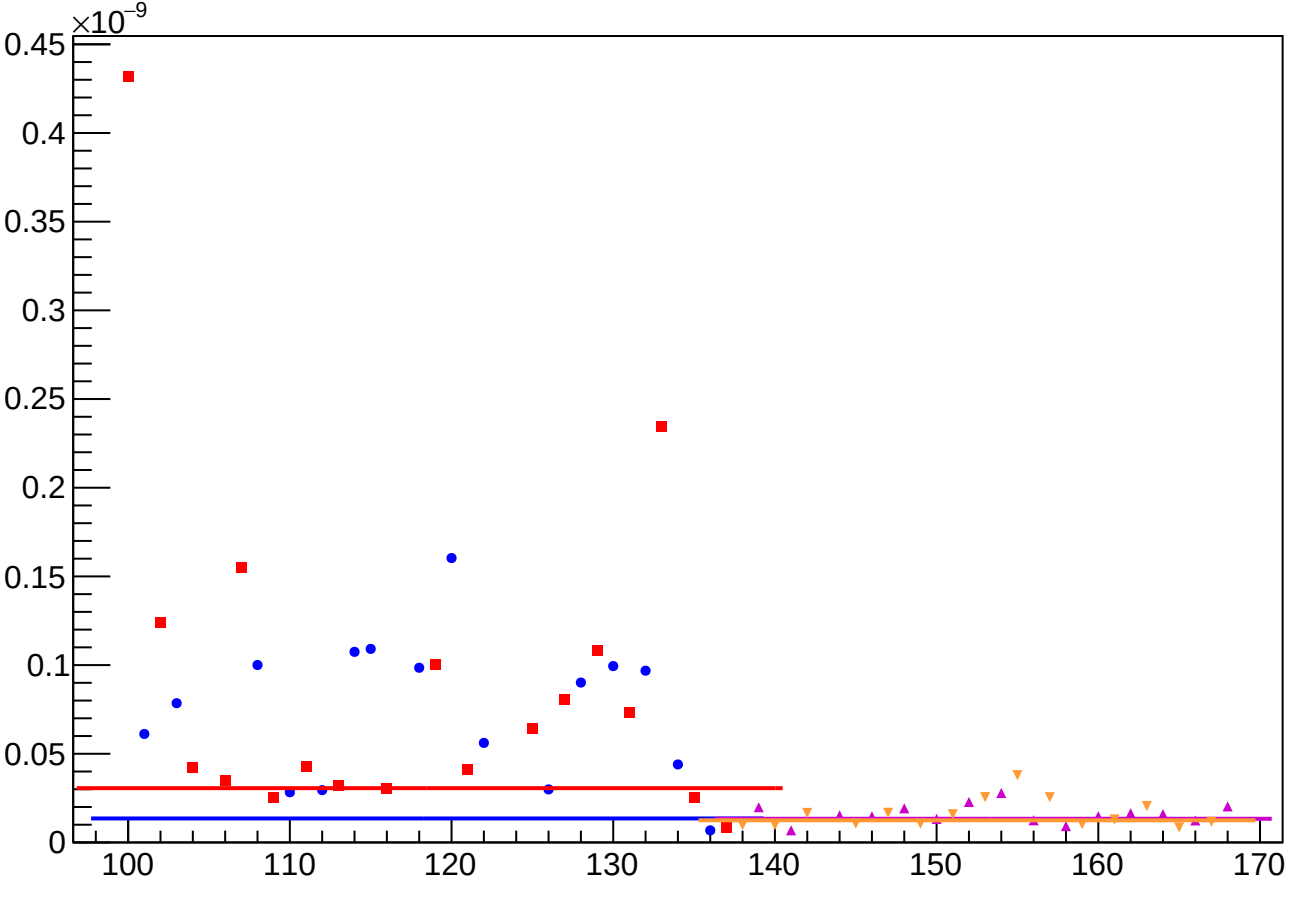
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:26.3/30

Out: 0.000+/-0.000 χ^2/NDF:43.5/32

All: 0.000+/-0.000 χ^2/NDF: 69.8/63

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:1112226.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1130693.5/14

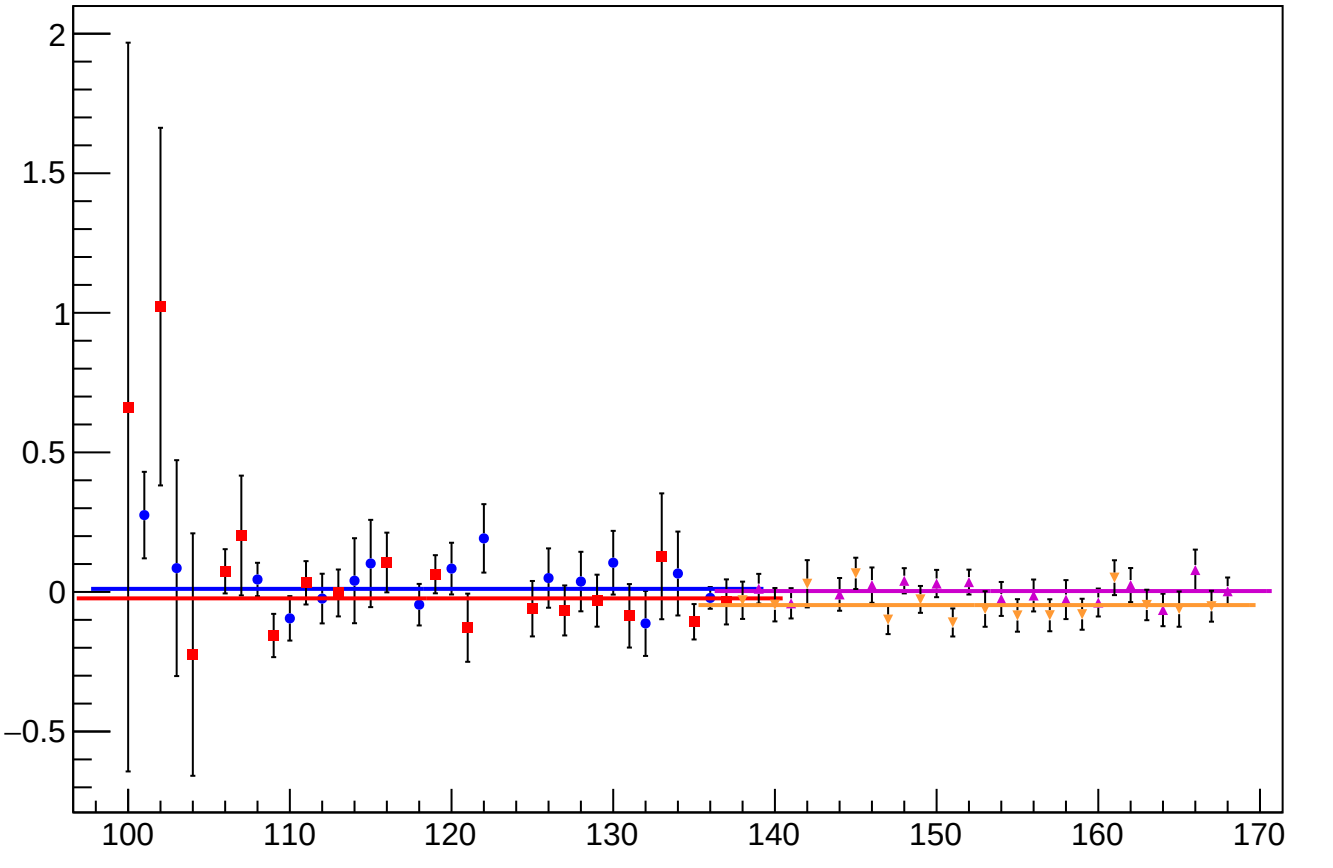
Left: 0.000+/-0.000 χ^2/NDF: 2260220.1/29

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4547042.4/30

Out: 0.000+/-0.000 χ^2/NDF:4517226.3/32

All: 0.000+/-0.000 χ^2/NDF: 9066900.3/63



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.014 χ^2/NDF:6.0/14

Left: -0.021+/-0.010 χ^2/NDF: 23.5/29

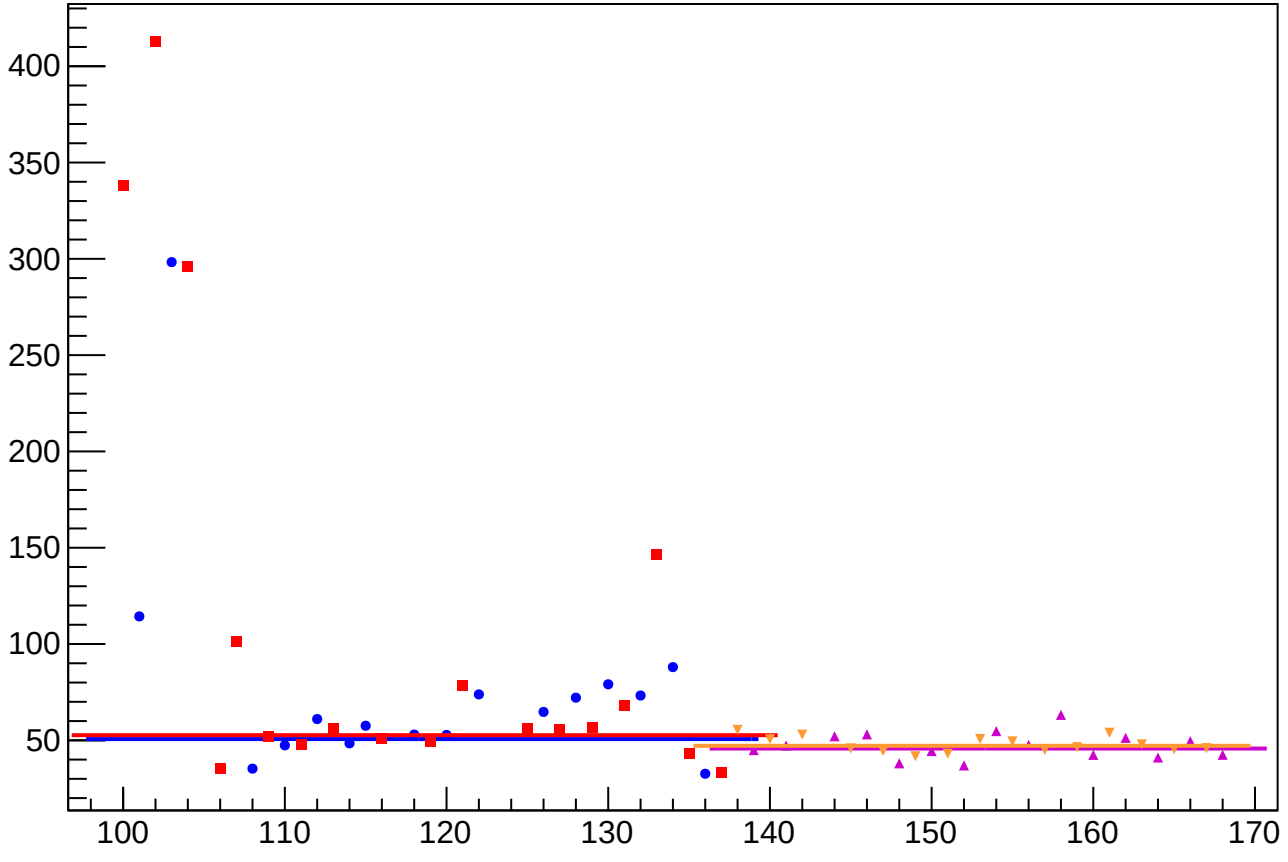
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.012 χ^2/NDF:17.9/30

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.016+/-0.009 χ^2/NDF: 53.0/63

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: 47.157+/-0.011 χ^2/NDF:130832.3/14

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.741+/-0.010 χ^2/NDF:413131.5/14

Left: 46.412+/-0.007 χ^2/NDF: 553442.4/29

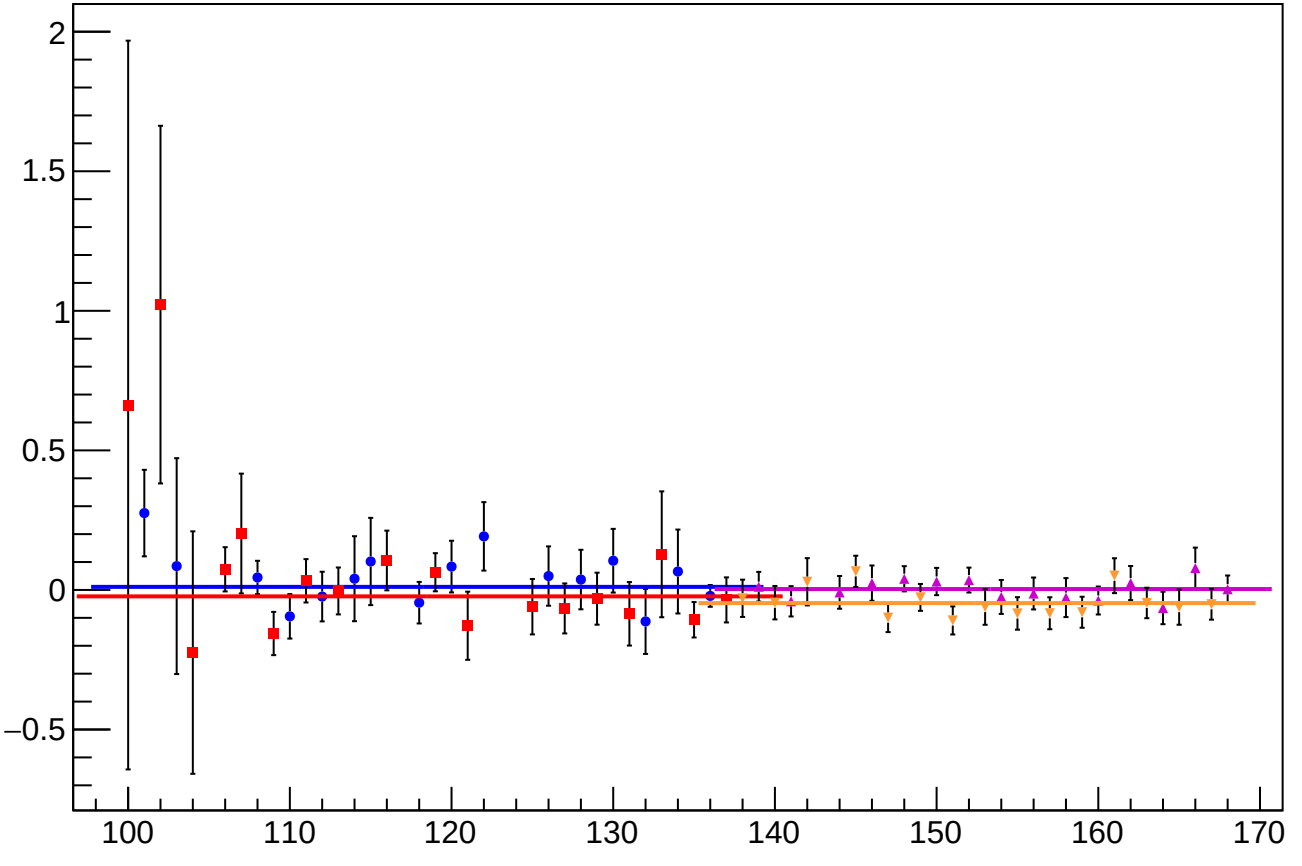
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.189+/-0.008 χ^2/NDF:2750433.7/30

Out: 48.775+/-0.009 χ^2/NDF:2423035.9/32

All: 47.940+/-0.006 χ^2/NDF: 5190345.4/63

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: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.014 χ^2/NDF:6.0/14

Left: -0.021+/-0.010 χ^2/NDF: 23.5/29

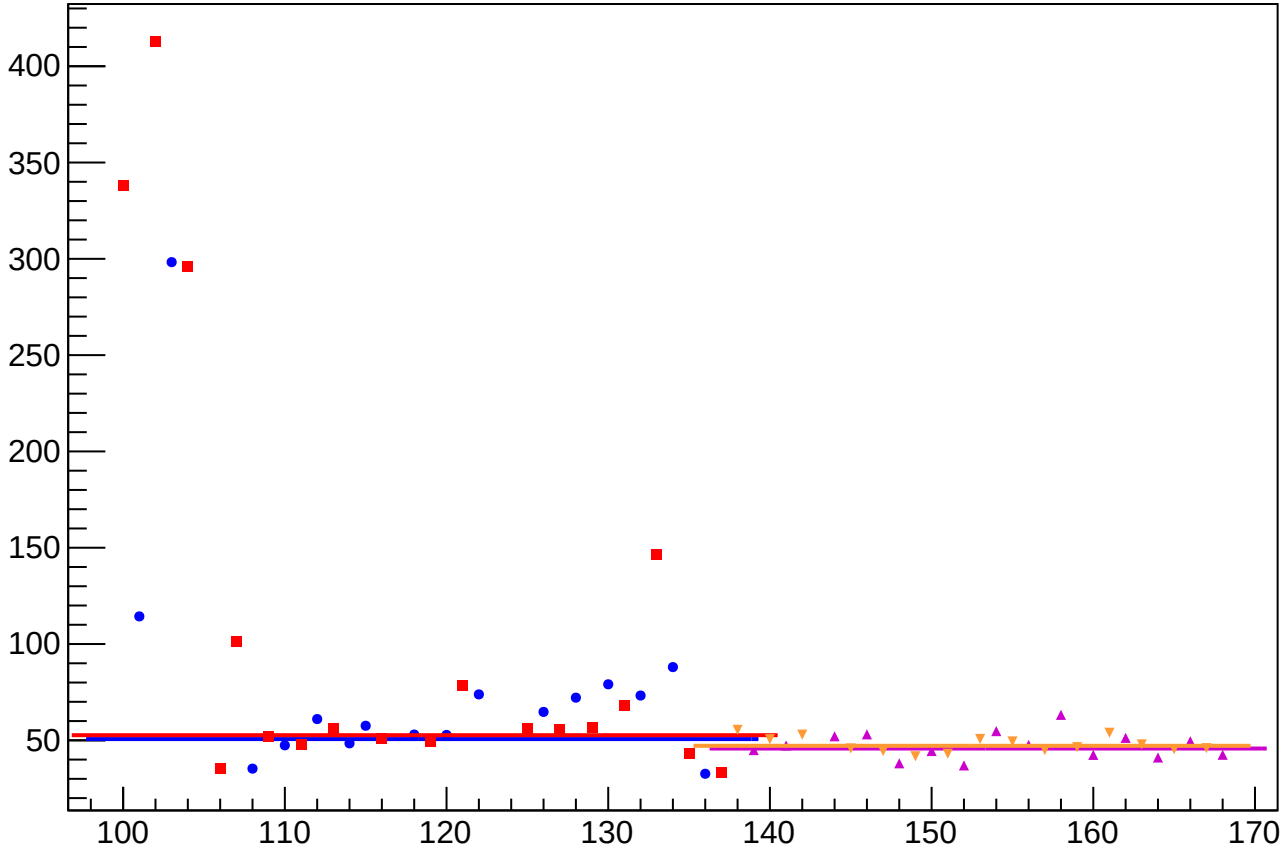
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.012 χ^2/NDF:17.9/30

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.016+/-0.009 χ^2/NDF: 53.0/63

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: 47.157+/-0.011 χ^2/NDF:130832.3/14

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.741+/-0.010 χ^2/NDF:413131.5/14

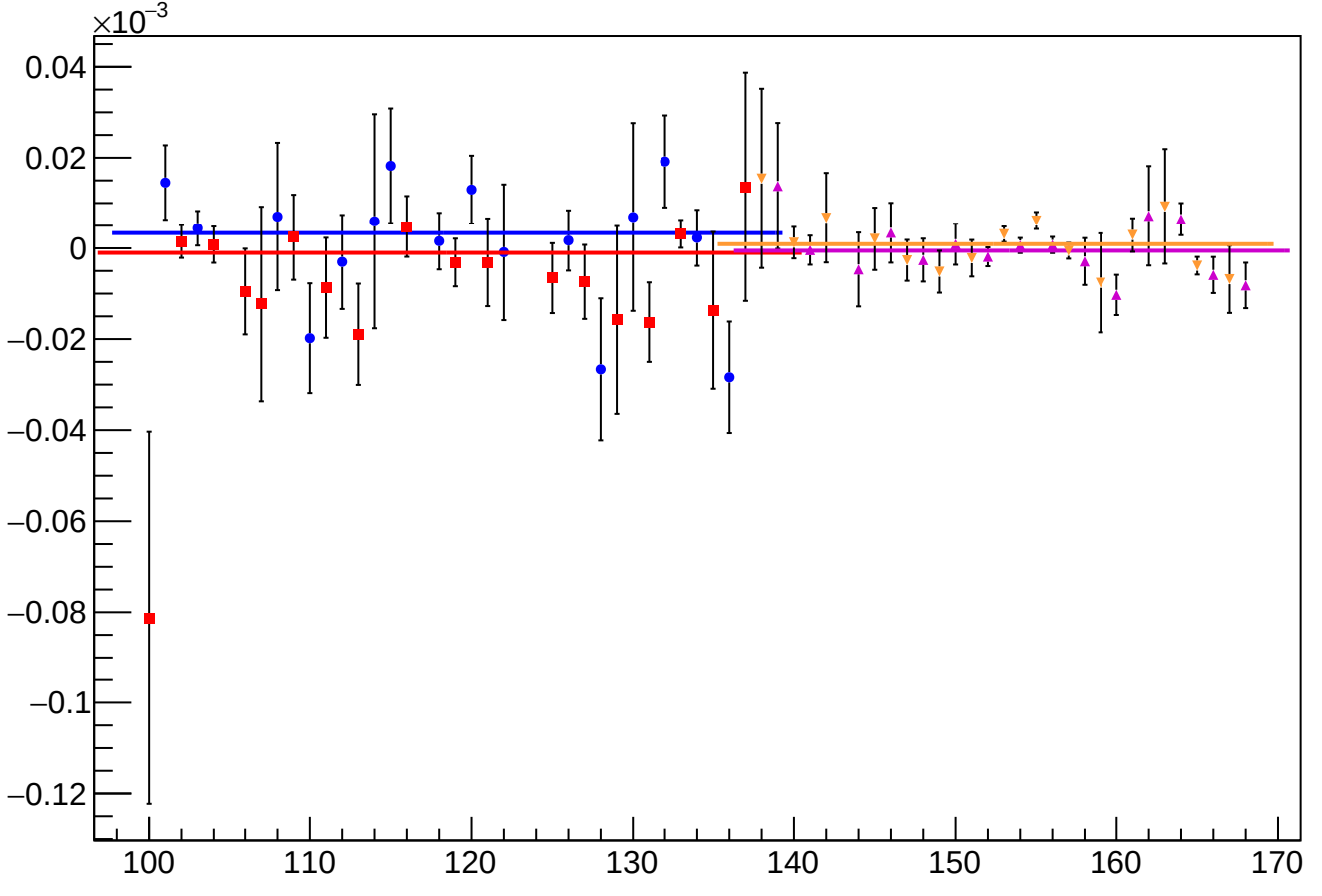
Left: 46.412+/-0.007 χ^2/NDF: 553442.4/29

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.189+/-0.008 χ^2/NDF:2750433.7/30

Out: 48.775+/-0.009 χ^2/NDF:2423035.9/32

All: 47.940+/-0.006 χ^2/NDF: 5190345.4/63



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:17.0/14

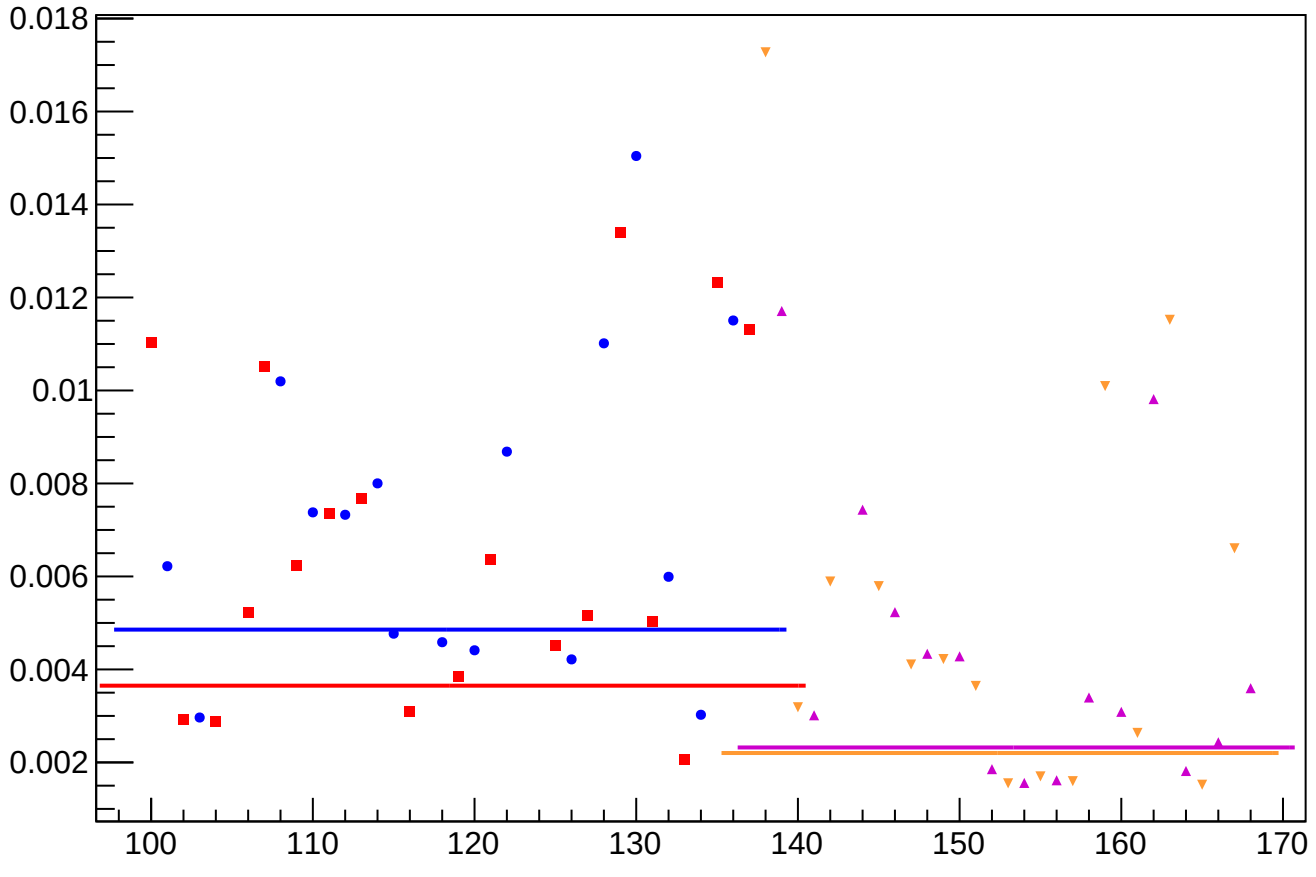
Left: 0.000+/-0.000 χ^2/NDF: 41.0/29

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:42.2/30

Out: 0.000+/-0.000 χ^2/NDF:40.9/32

All: 0.000+/-0.000 χ^2/NDF: 83.3/63



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6920418.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:5006824.9/14

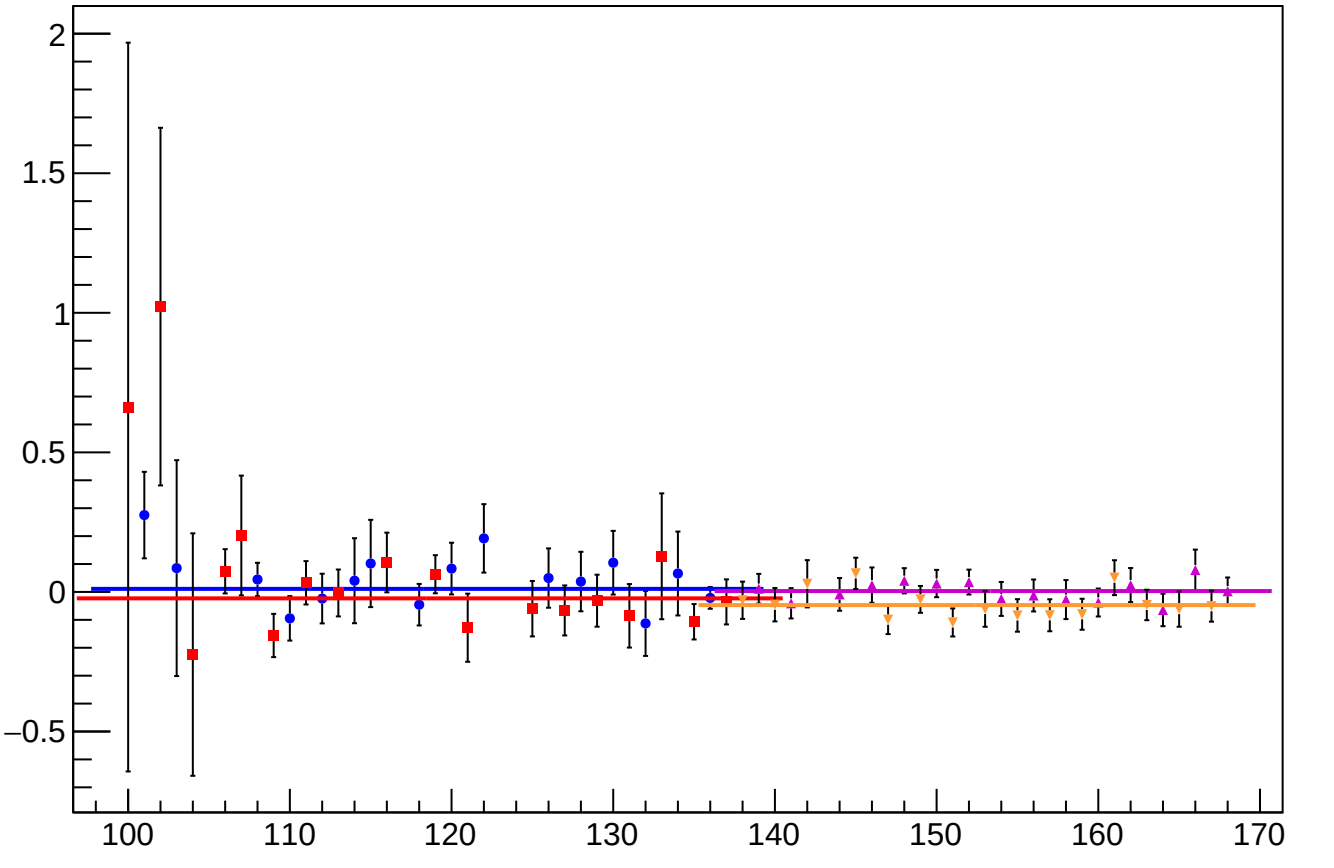
Left: 0.002+/-0.000 χ^2/NDF: 11948678.8/29

Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

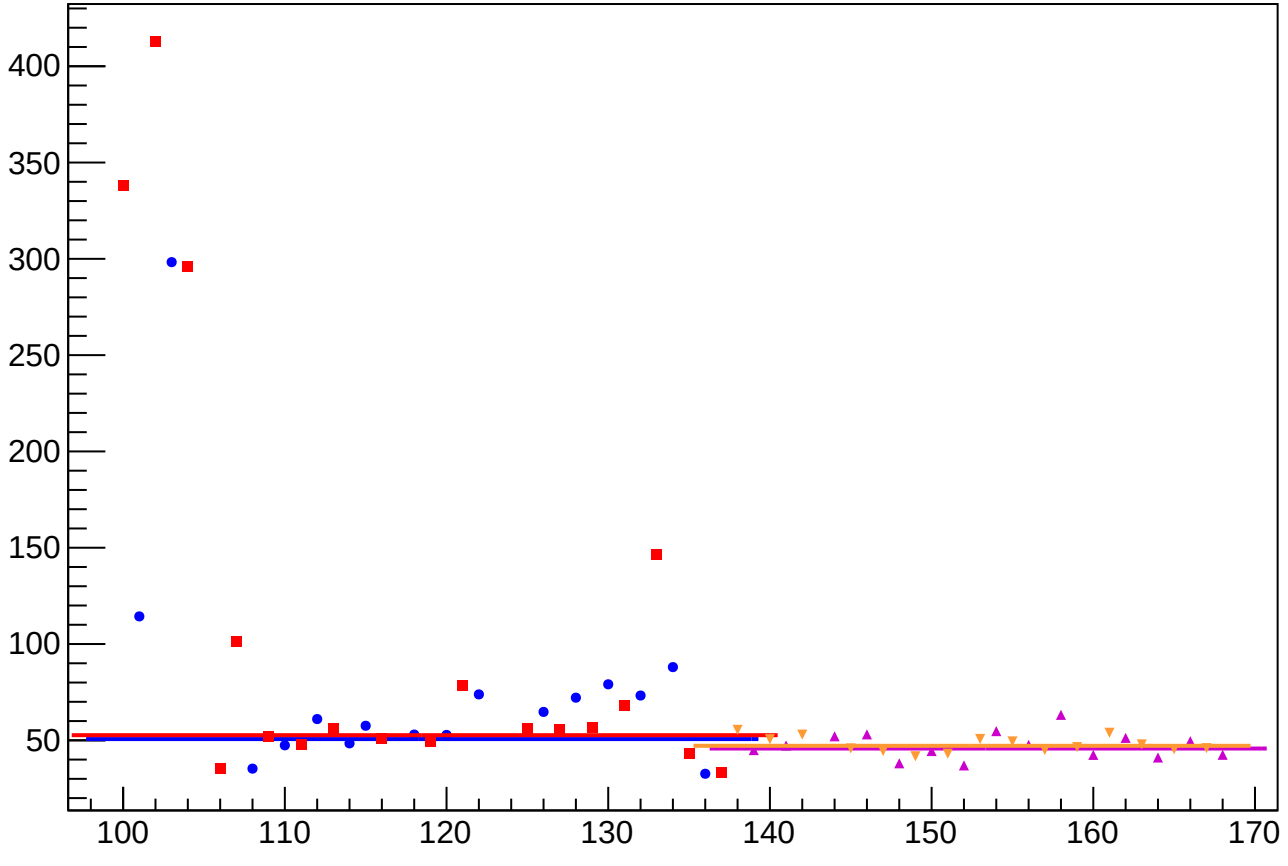
In: 0.003+/-0.000 χ^2/NDF:10306082.0/30

Out: 0.002+/-0.000 χ^2/NDF:11391228.7/32

All: 0.003+/-0.000 χ^2/NDF: 21756422.9/63


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.047+/-0.015 χ²/NDF:11.5/14
Right Out: -0.023+/-0.023 χ²/NDF: 15.9/17
Left In: 0.003+/-0.014 χ²/NDF:6.0/14
Left: -0.021+/-0.010 χ²/NDF: 23.5/29
Right: -0.005+/-0.016 χ²/NDF: 28.8/33
In: 0.005+/-0.012 χ²/NDF:17.9/30
Out: -0.040+/-0.013 χ²/NDF:28.2/32
All: -0.016+/-0.009 χ²/NDF: 53.0/63

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: 47.156+/-0.011 χ^2/NDF:130818.9/14

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.742+/-0.010 χ^2/NDF:413094.5/14

Left: 46.412+/-0.007 χ^2/NDF: 553385.2/29

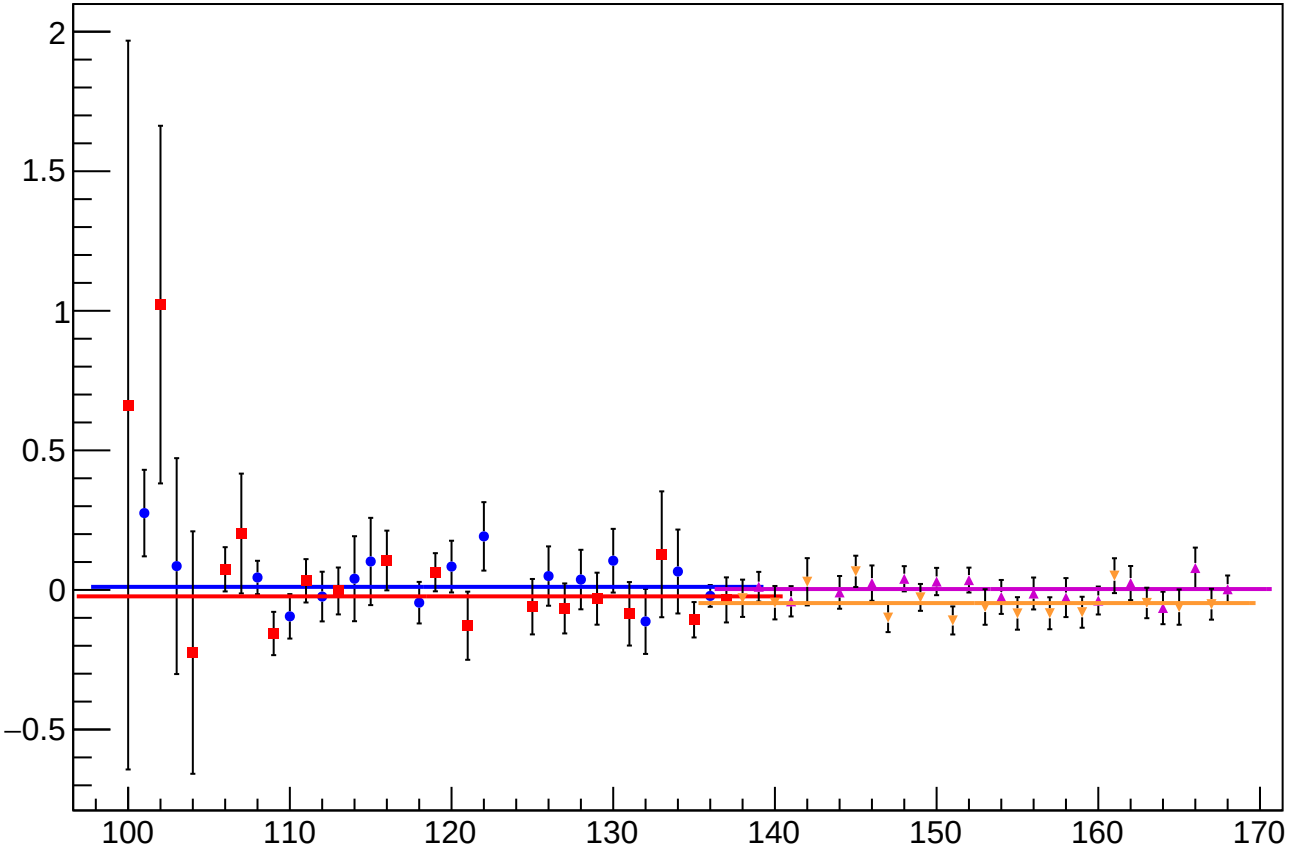
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.189+/-0.008 χ^2/NDF:2750306.5/30

Out: 48.775+/-0.009 χ^2/NDF:2422938.2/32

All: 47.940+/-0.006 χ^2/NDF: 5190114.3/63

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: -0.047+/-0.015 χ^2/NDF:11.5/14

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.014 χ^2/NDF:6.0/14

Left: -0.021+/-0.010 χ^2/NDF: 23.5/29

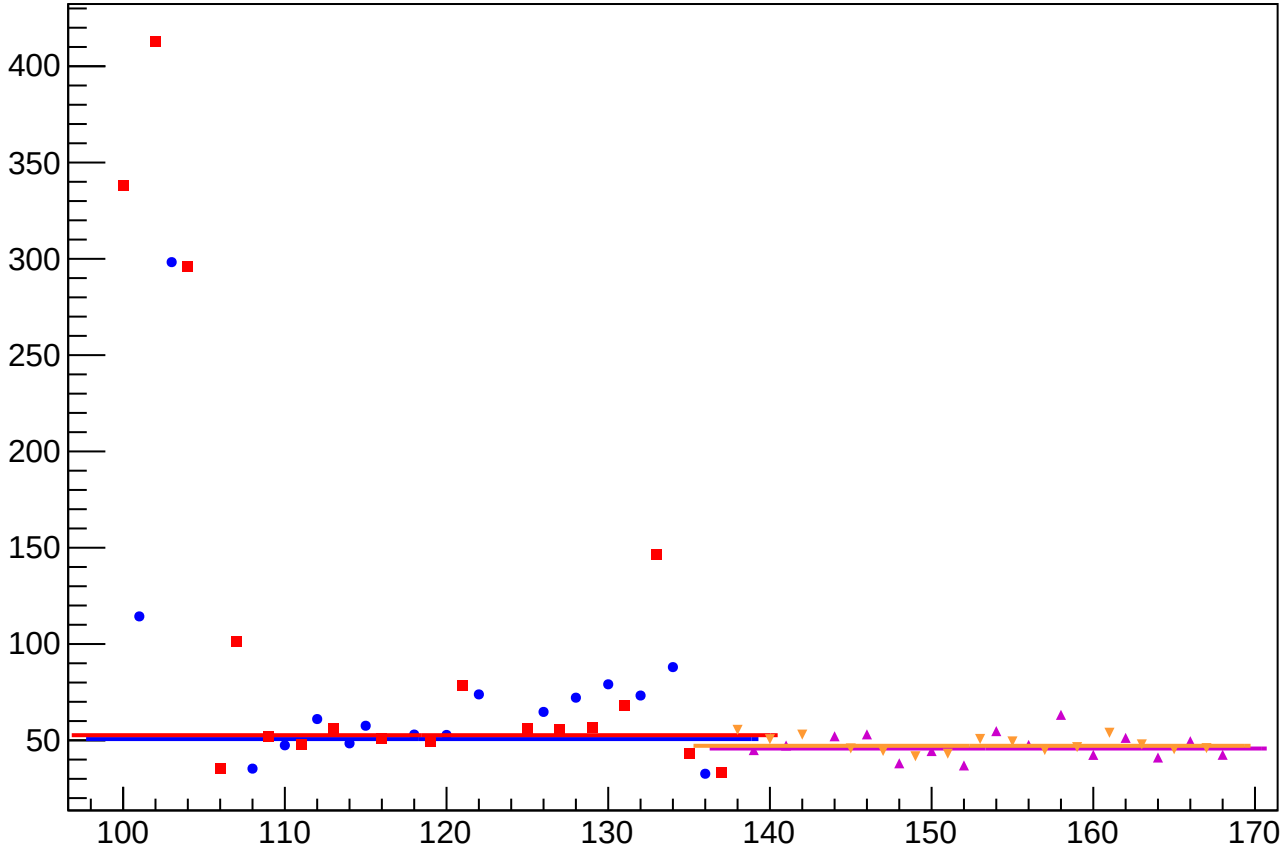
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.012 χ^2/NDF:17.9/30

Out: -0.040+/-0.013 χ^2/NDF:28.2/32

All: -0.016+/-0.009 χ^2/NDF: 53.0/63

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: 47.156+/-0.011 χ^2/NDF:130818.9/14

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.742+/-0.010 χ^2/NDF:413094.5/14

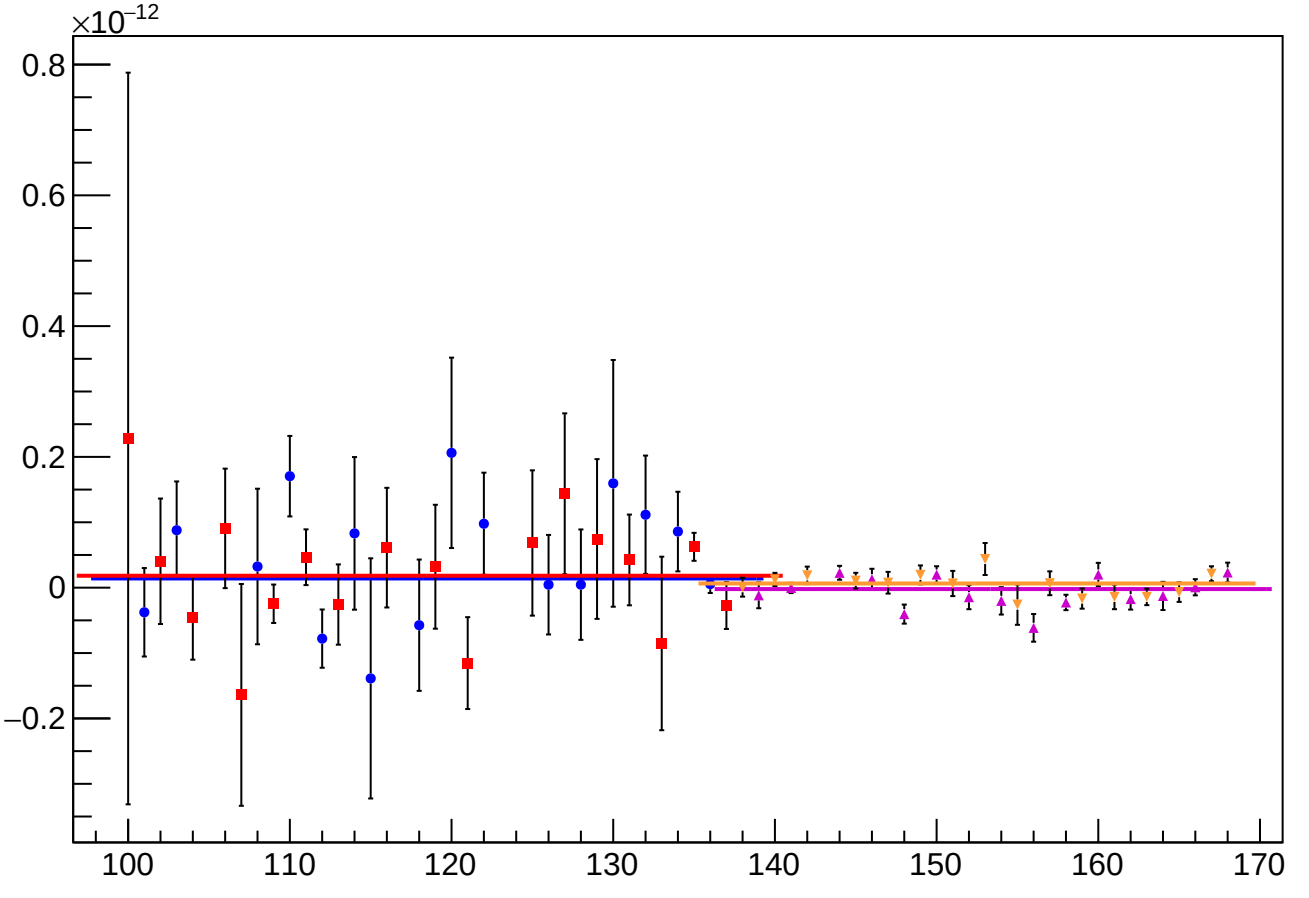
Left: 46.412+/-0.007 χ^2/NDF: 553385.2/29

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.189+/-0.008 χ^2/NDF:2750306.5/30

Out: 48.775+/-0.009 χ^2/NDF:2422938.2/32

All: 47.940+/-0.006 χ^2/NDF: 5190114.3/63



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:34.2/14

Left: 0.000+/-0.000 χ^2/NDF: 51.2/29

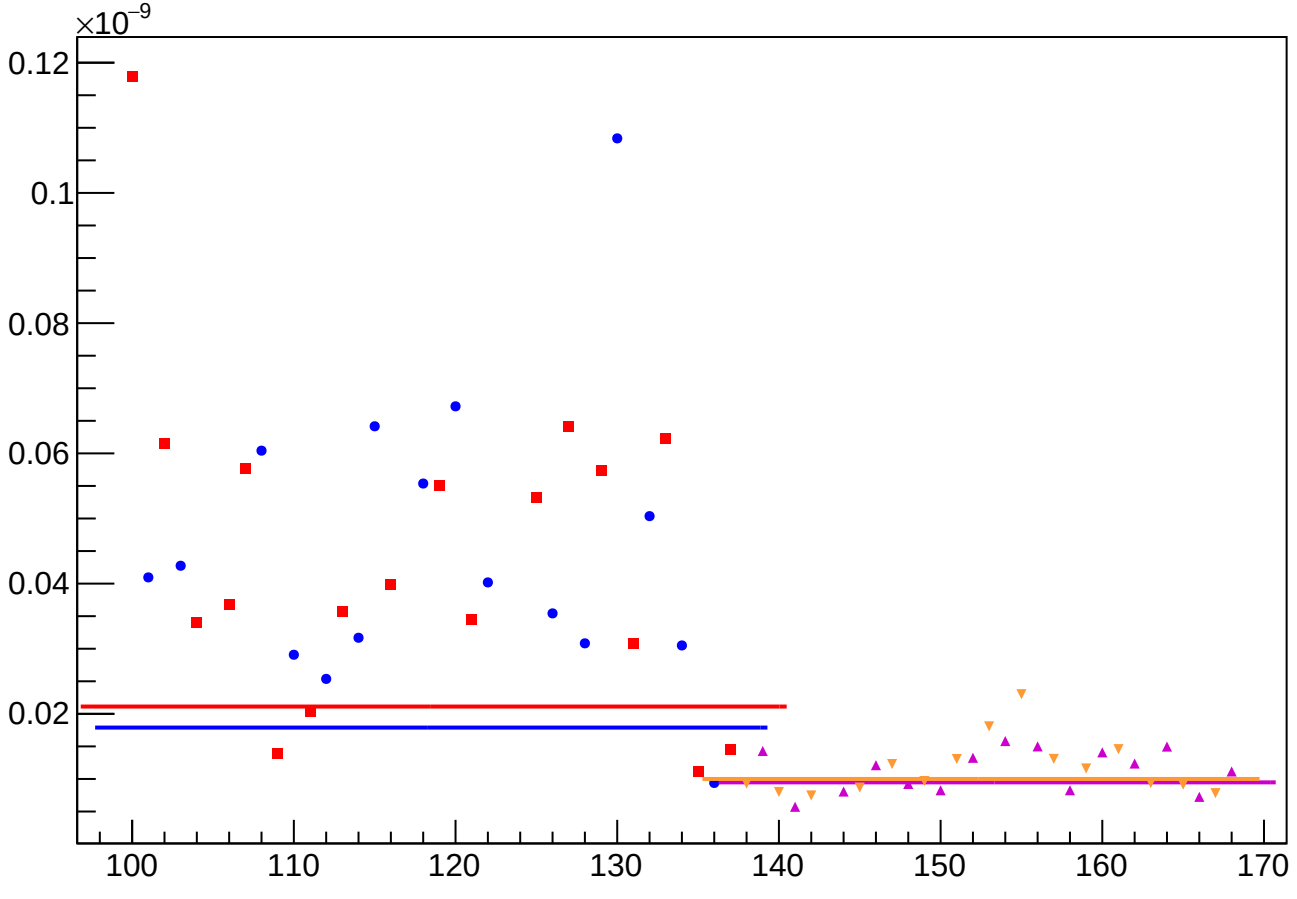
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:56.4/30

Out: 0.000+/-0.000 χ^2/NDF:33.2/32

All: 0.000+/-0.000 χ^2/NDF: 92.2/63

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124491.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1525371.0/14

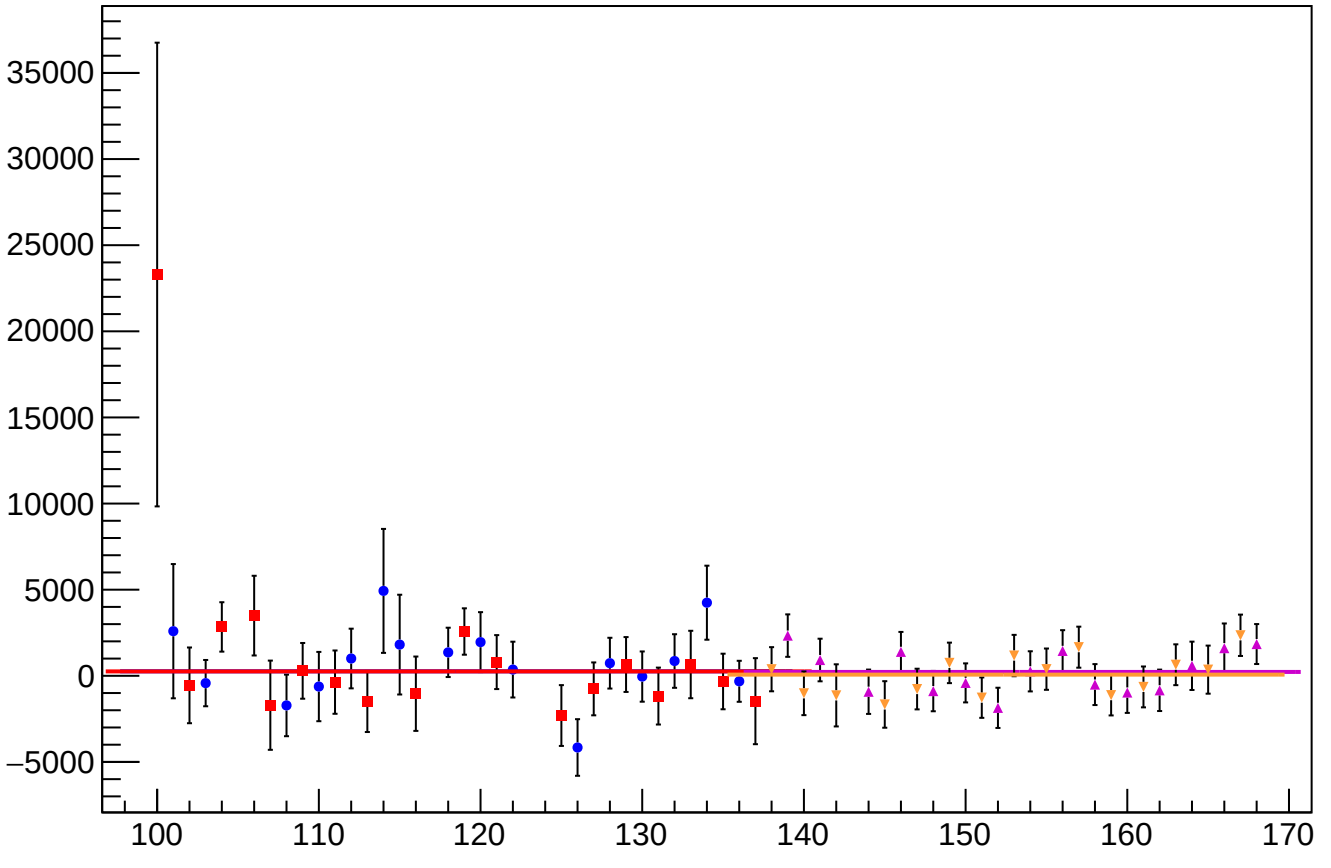
Left: 0.000+/-0.000 χ^2/NDF: 2669906.4/29

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5926965.1/30

Out: 0.000+/-0.000 χ^2/NDF:5188063.2/32

All: 0.000+/-0.000 χ^2/NDF: 11152562.6/63



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.880+/-321.090 χ^2/NDF:13.0/14

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 224.483+/-313.354 χ^2/NDF:15.6/14

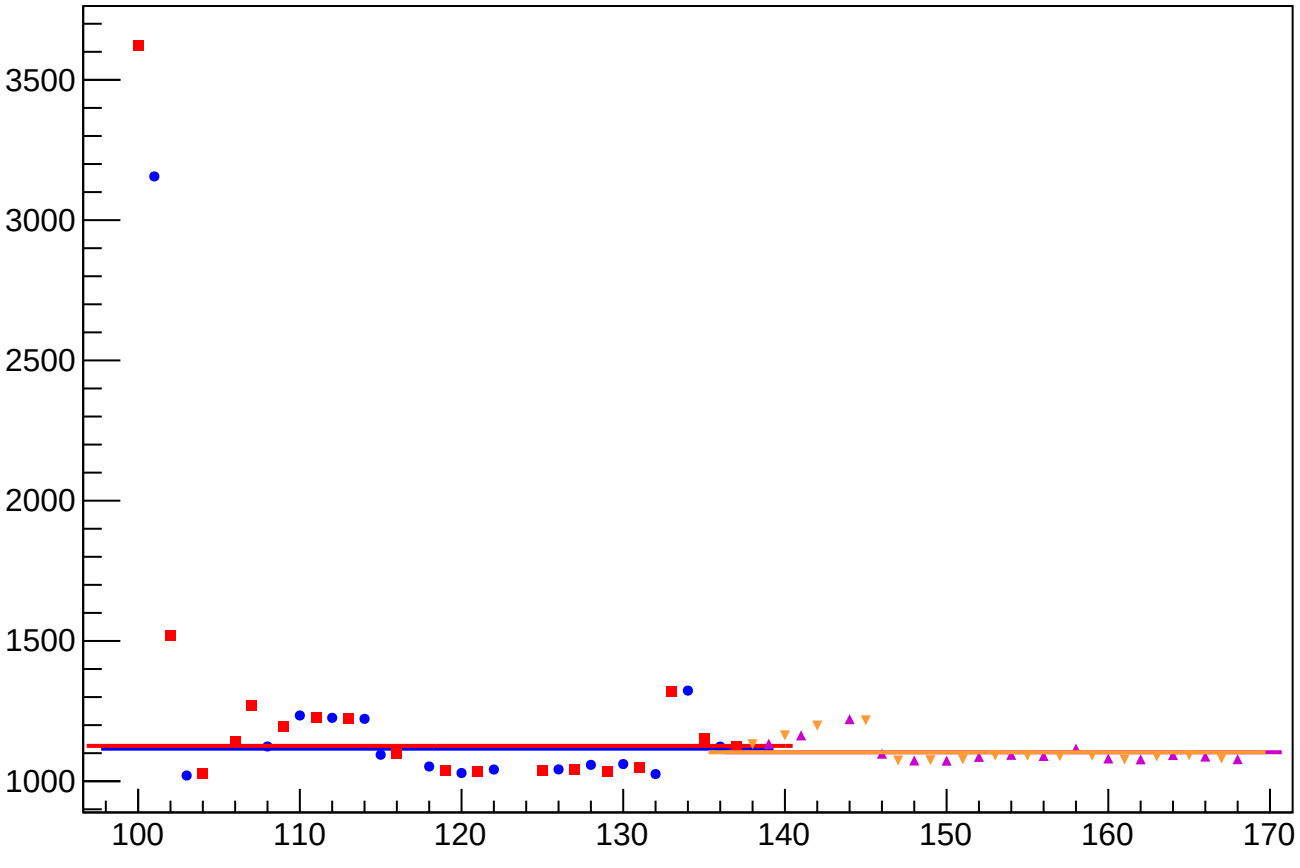
Left: 148.579+/-224.260 χ^2/NDF: 28.8/29

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 237.285+/-252.140 χ^2/NDF:32.6/30

Out: 136.692+/-256.365 χ^2/NDF:30.5/32

All: 187.824+/-179.765 χ^2/NDF: 63.2/63



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1103.308+/-0.222 χ^2/NDF:29250.2/14

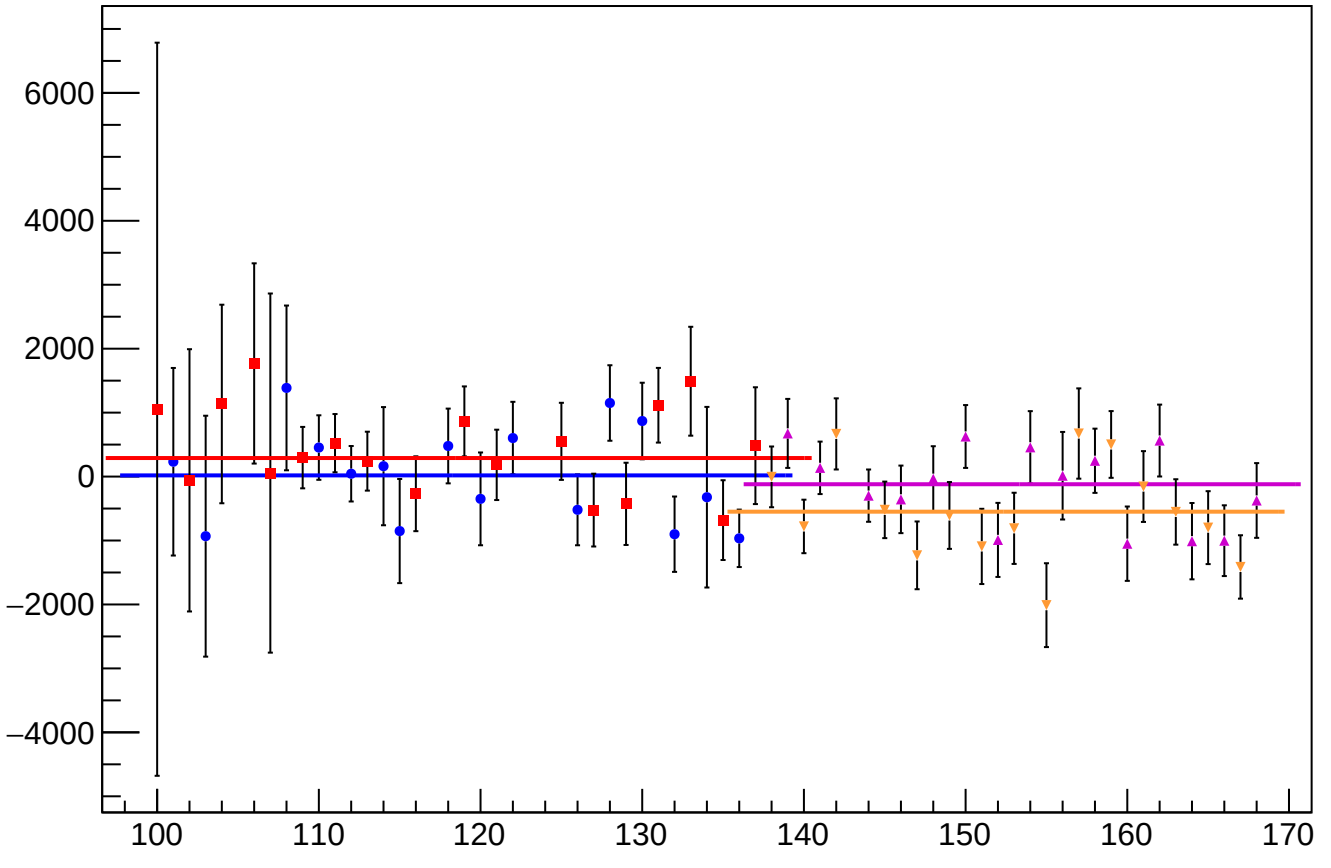
Left: 1103.294+/-0.159 χ^2/NDF: 60737.6/29

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1107.814+/-0.178 χ^2/NDF:653814.2/30

Out: 1111.522+/-0.181 χ^2/NDF:257228.5/32

All: 1109.637+/-0.127 χ^2/NDF: 911255.4/63



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -548.951+/-135.991 χ^2/NDF:24.9/14

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -119.844+/-135.726 χ^2/NDF:18.2/14

Left: -333.979+/-96.066 χ^2/NDF: 48.1/29

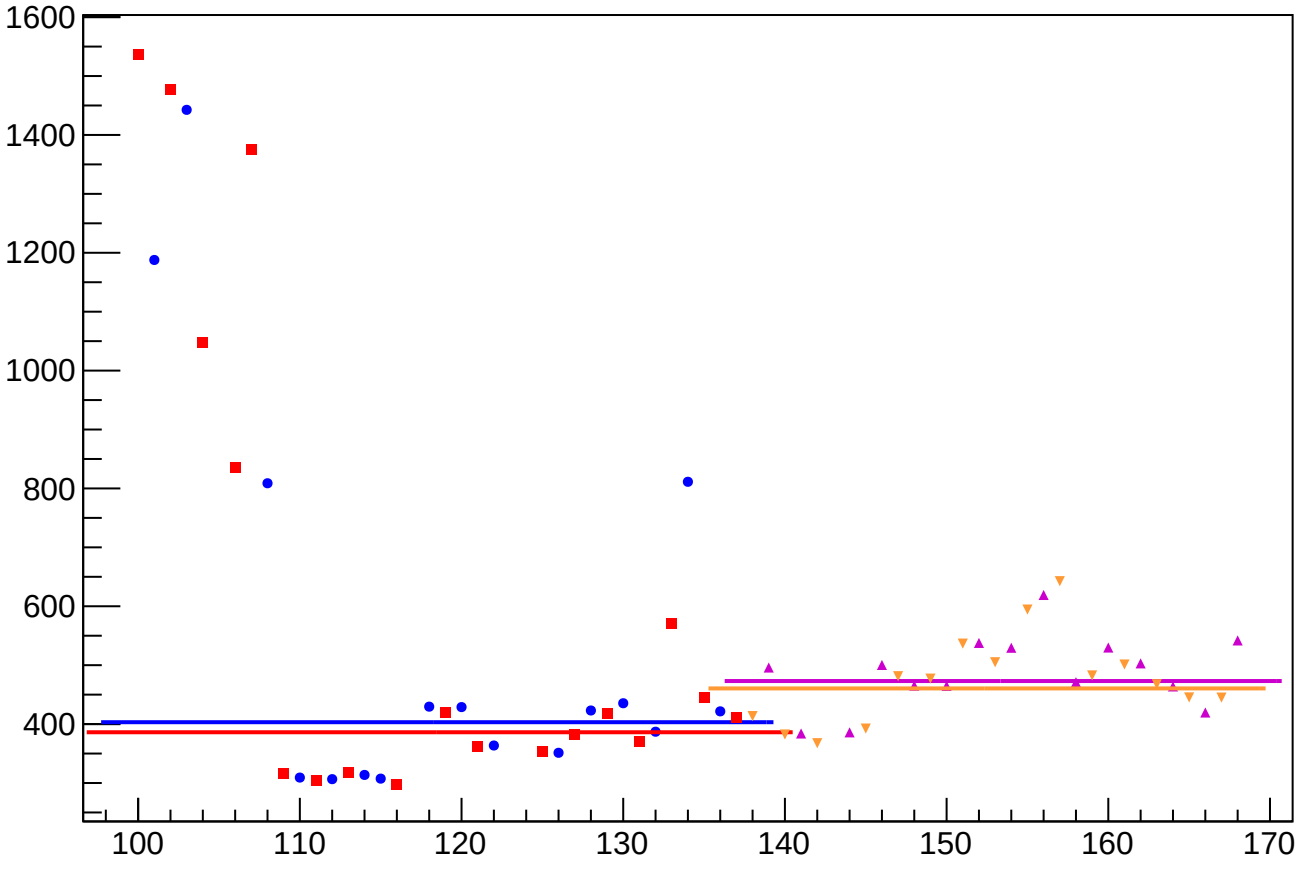
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -62.483+/-103.835 χ^2/NDF:37.8/30

Out: -187.218+/-102.563 χ^2/NDF:54.8/32

All: -125.619+/-72.968 χ^2/NDF: 93.3/63

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: 460.547+/-0.096 χ^2/NDF:478523.8/14

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 473.093+/-0.096 χ^2/NDF:402718.5/14

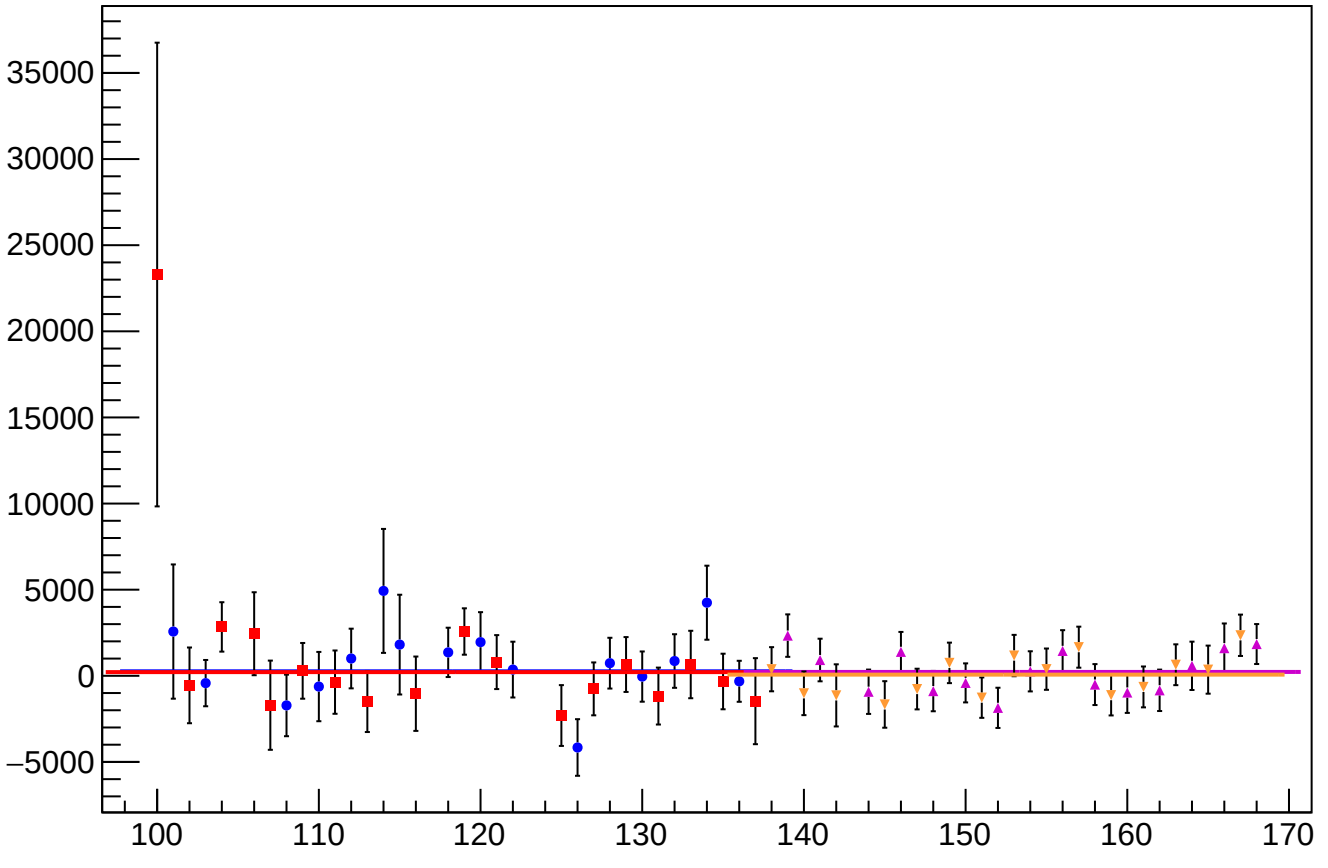
Left: 466.832+/-0.068 χ^2/NDF: 889769.7/29

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 444.104+/-0.073 χ^2/NDF:2431137.5/30

Out: 428.465+/-0.073 χ^2/NDF:2495770.2/32

All: 436.188+/-0.052 χ^2/NDF: 4949871.7/63



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.863+/-321.090 χ^2/NDF:13.0/14

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 224.505+/-313.354 χ^2/NDF:15.6/14

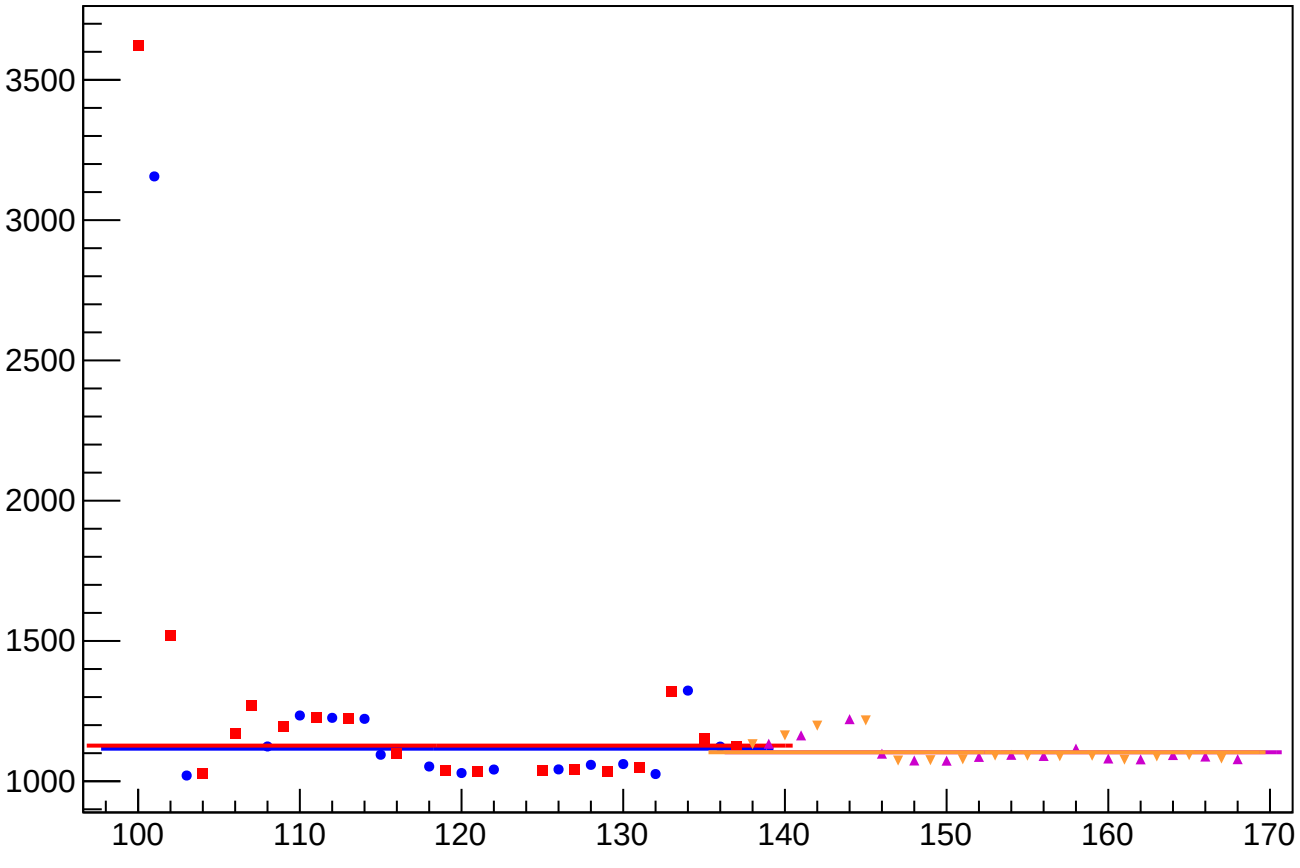
Left: 148.582+/-224.260 χ^2/NDF: 28.8/29

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 237.165+/-252.140 χ^2/NDF:32.6/30

Out: 121.572+/-256.486 χ^2/NDF:29.3/32

All: 180.356+/-179.807 χ^2/NDF: 62.0/63



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1103.280+/-0.227 χ^2/NDF:31487.4/14

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1103.308+/-0.222 χ^2/NDF:29250.2/14

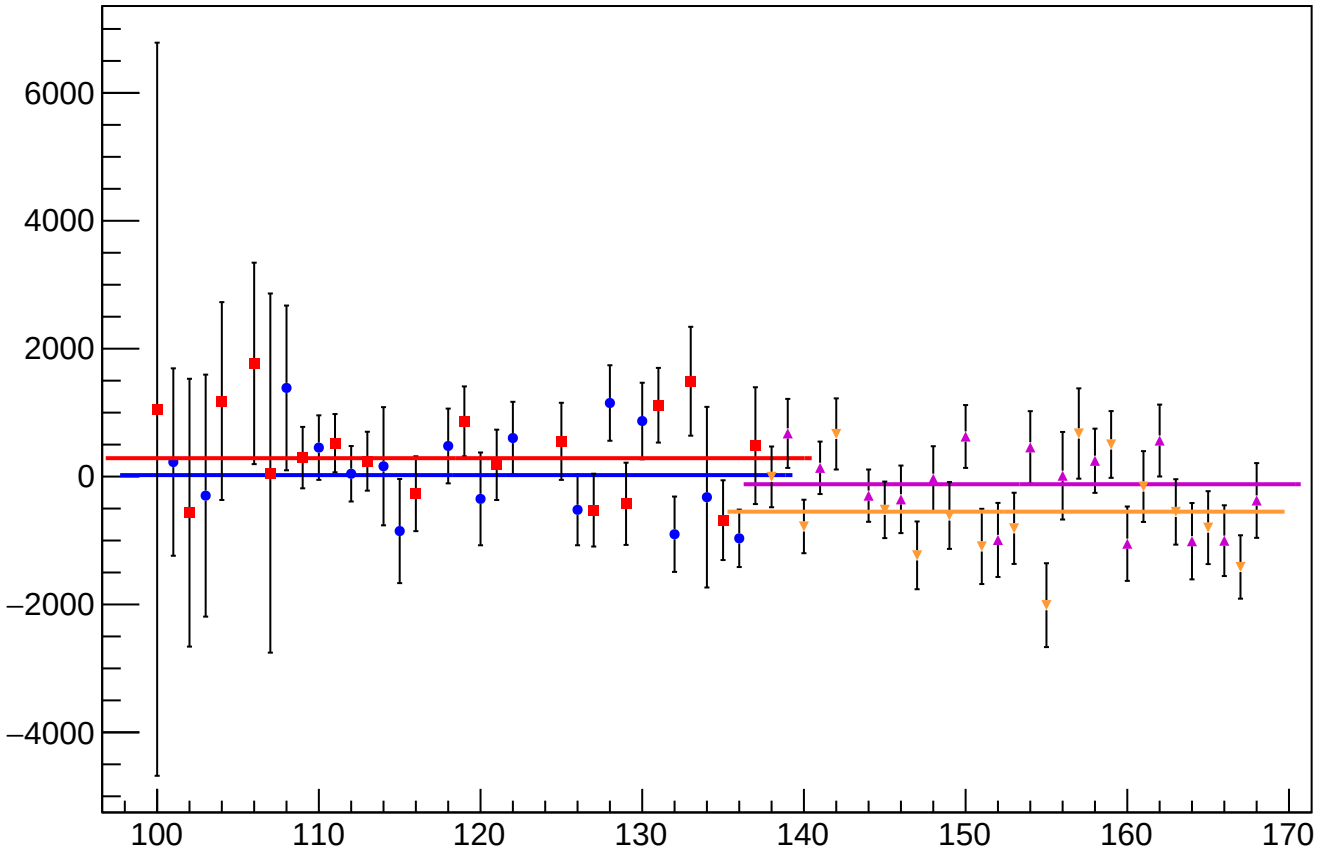
Left: 1103.294+/-0.159 χ^2/NDF: 60737.6/29

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1107.814+/-0.178 χ^2/NDF:653815.1/30

Out: 1111.851+/-0.181 χ^2/NDF:258164.5/32

All: 1109.798+/-0.127 χ^2/NDF: 912231.5/63



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -549.014+/-135.991 χ^2/NDF:24.9/14

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -119.810+/-135.725 χ^2/NDF:18.2/14

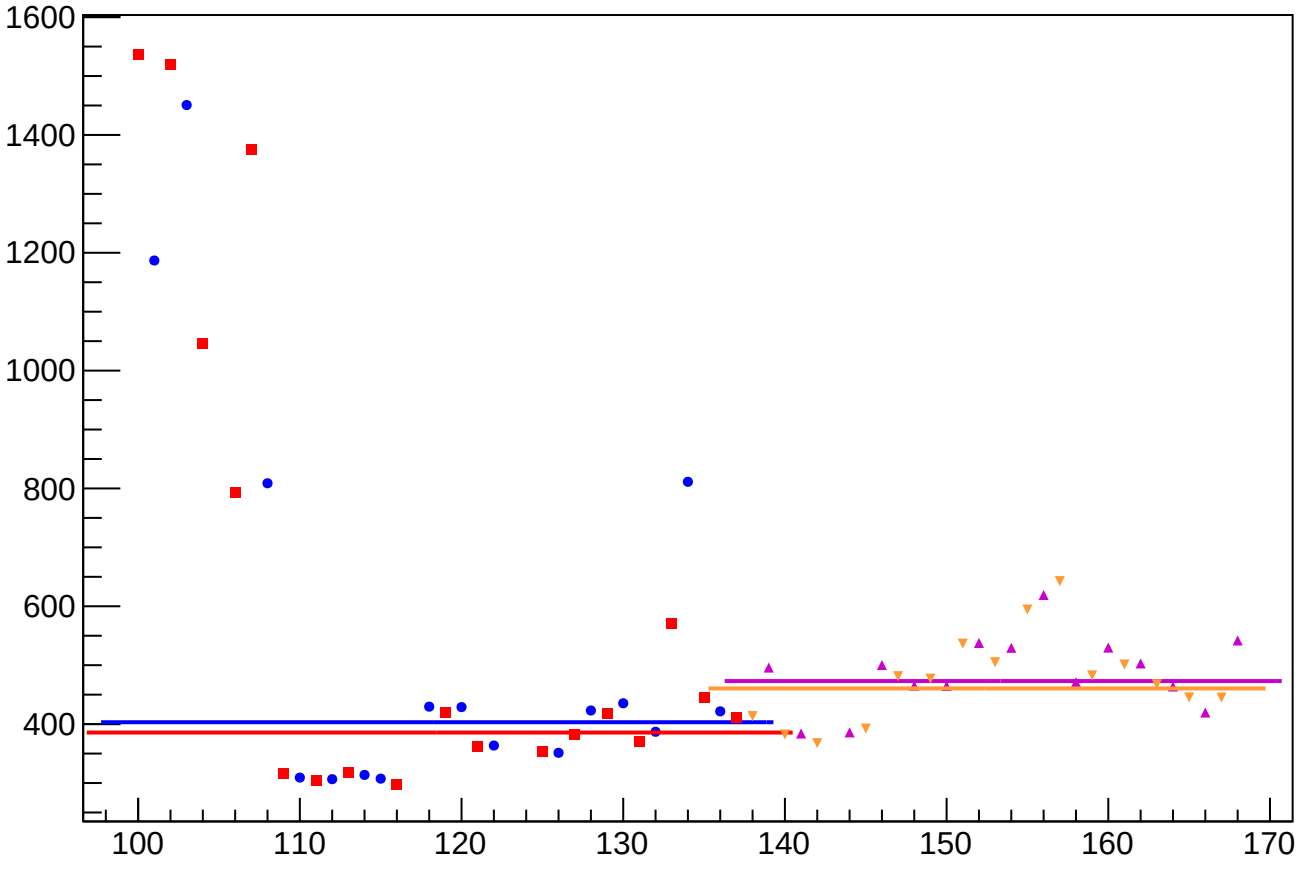
Left: -333.993+/-96.066 χ^2/NDF: 48.1/29

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -60.616+/-103.835 χ^2/NDF:37.6/30

Out: -188.321+/-102.569 χ^2/NDF:54.9/32

All: -125.252+/-72.971 χ^2/NDF: 93.2/63



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 473.090+/-0.096 χ^2/NDF:402690.9/14

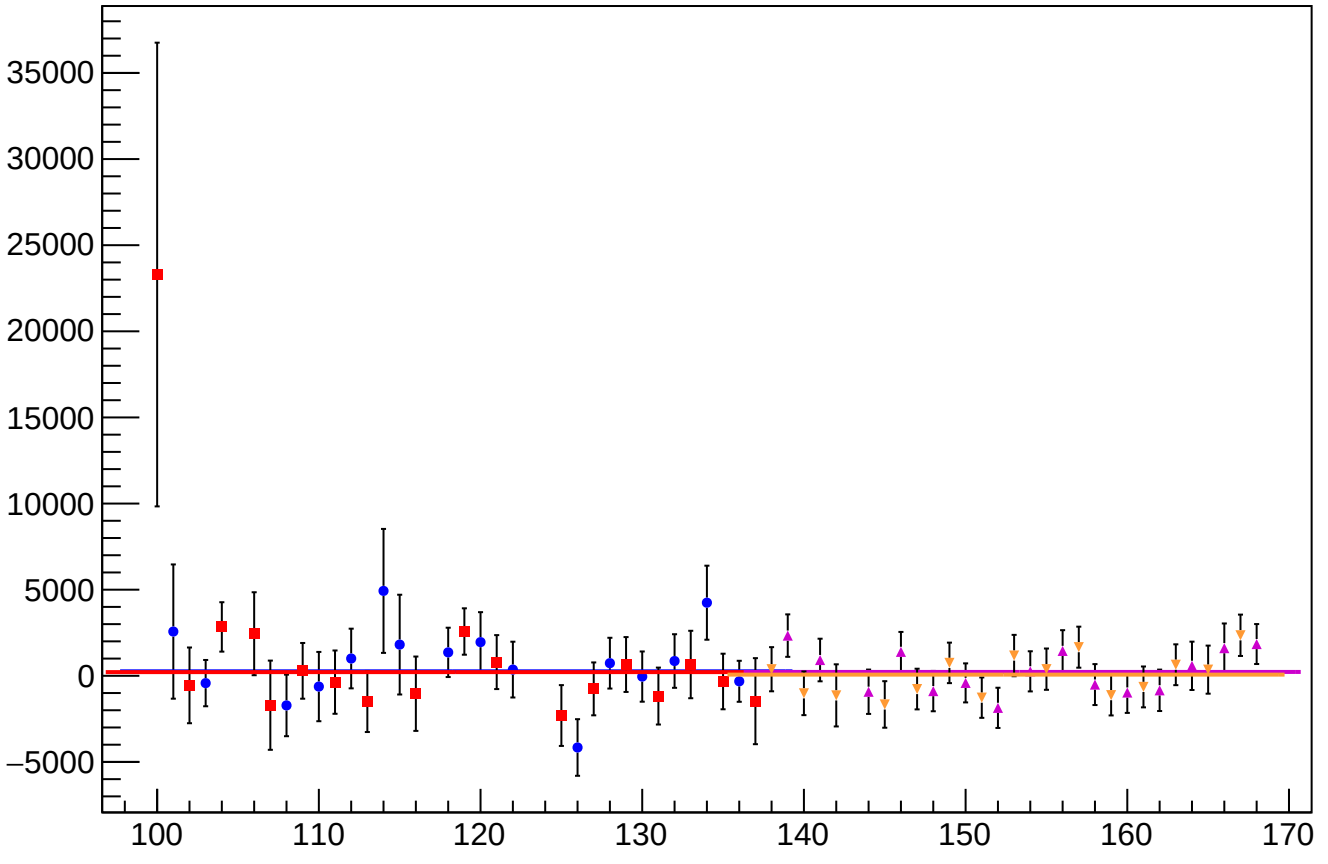
Left: 466.830+/-0.068 χ^2/NDF: 889758.8/29

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 444.098+/-0.073 χ^2/NDF:2434845.6/30

Out: 428.269+/-0.073 χ^2/NDF:2487003.9/32

All: 436.087+/-0.052 χ^2/NDF: 4945372.3/63



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 68.863+/-321.090 χ^2/NDF:13.0/14

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 224.505+/-313.354 χ^2/NDF:15.6/14

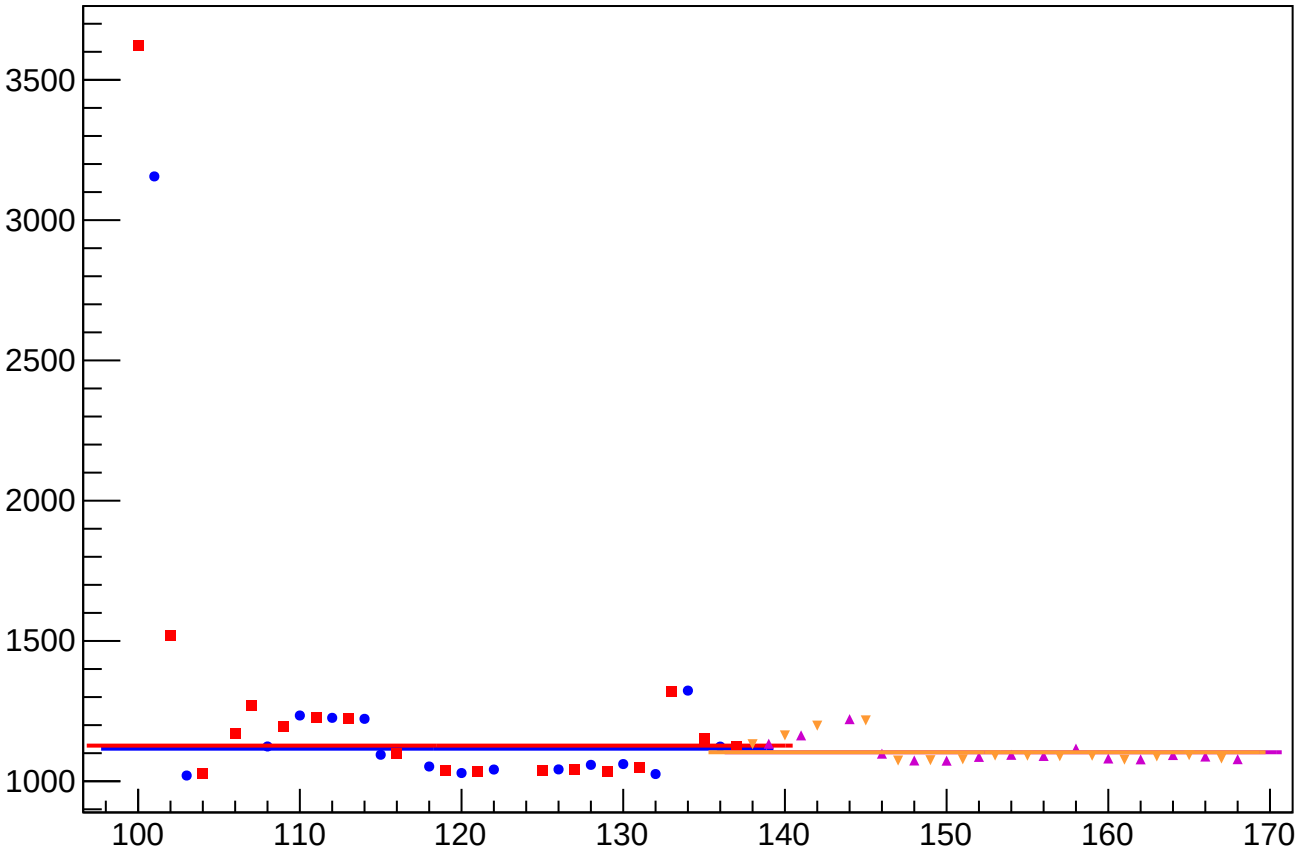
Left: 148.582+/-224.260 χ^2/NDF: 28.8/29

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

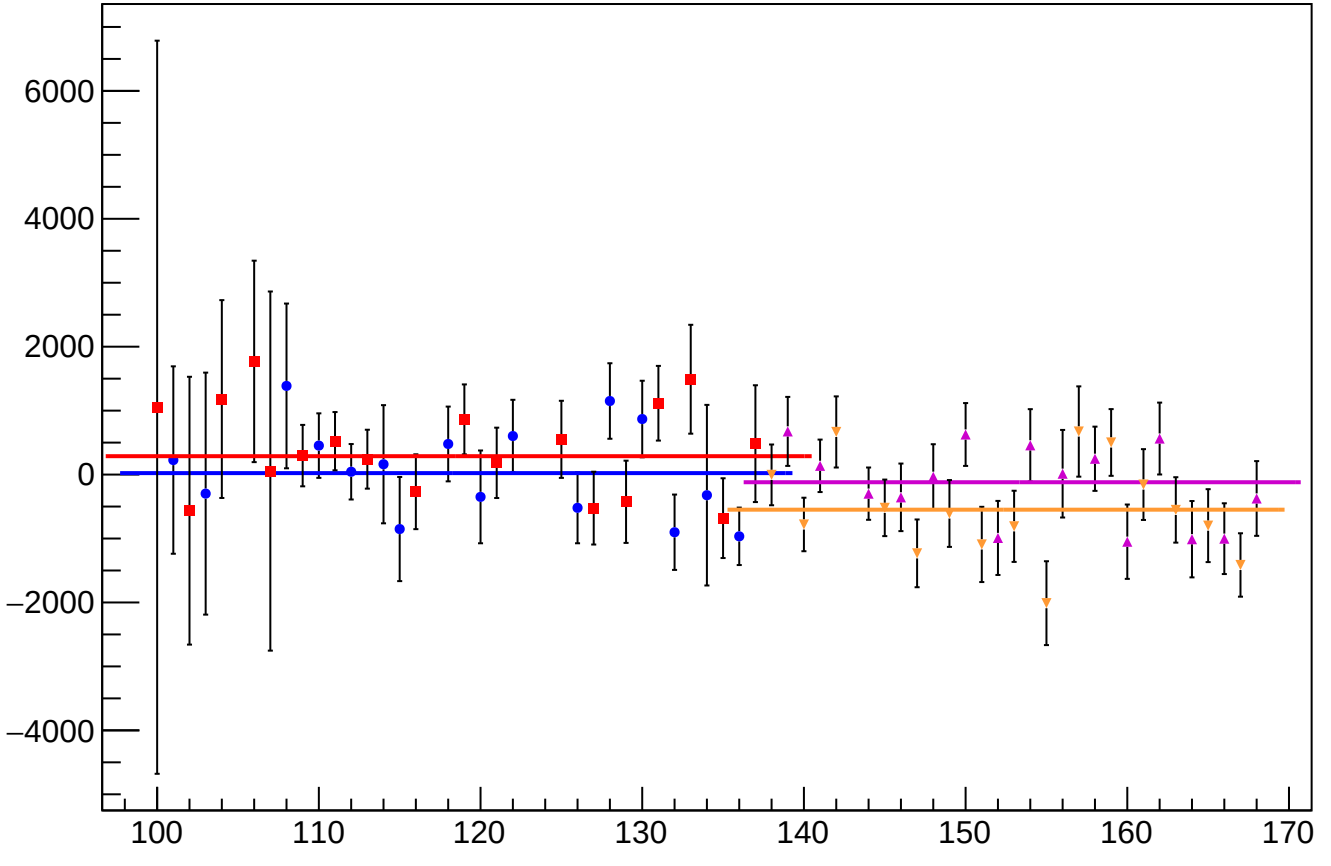
In: 237.165+/-252.140 χ^2/NDF:32.6/30

Out: 121.572+/-256.486 χ^2/NDF:29.3/32

All: 180.356+/-179.807 χ^2/NDF: 62.0/63


eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1116.089+/-0.300 χ²/NDF: 623391.9/15
Left Out: 1103.280+/-0.227 χ²/NDF:31487.4/14
Right Out: 1126.960+/-0.301 χ²/NDF: 222740.2/17
Left In: 1103.308+/-0.222 χ²/NDF:29250.2/14
Left: 1103.294+/-0.159 χ²/NDF: 60737.6/29
Right: 1121.503+/-0.213 χ²/NDF: 846784.8/33
In: 1107.814+/-0.178 χ²/NDF:653815.1/30
Out: 1111.851+/-0.181 χ²/NDF:258164.5/32
All: 1109.798+/-0.127 χ²/NDF: 912231.5/63

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: -549.014+/-135.991 χ^2/NDF:24.9/14

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -119.810+/-135.725 χ^2/NDF:18.2/14

Left: -333.993+/-96.066 χ^2/NDF: 48.1/29

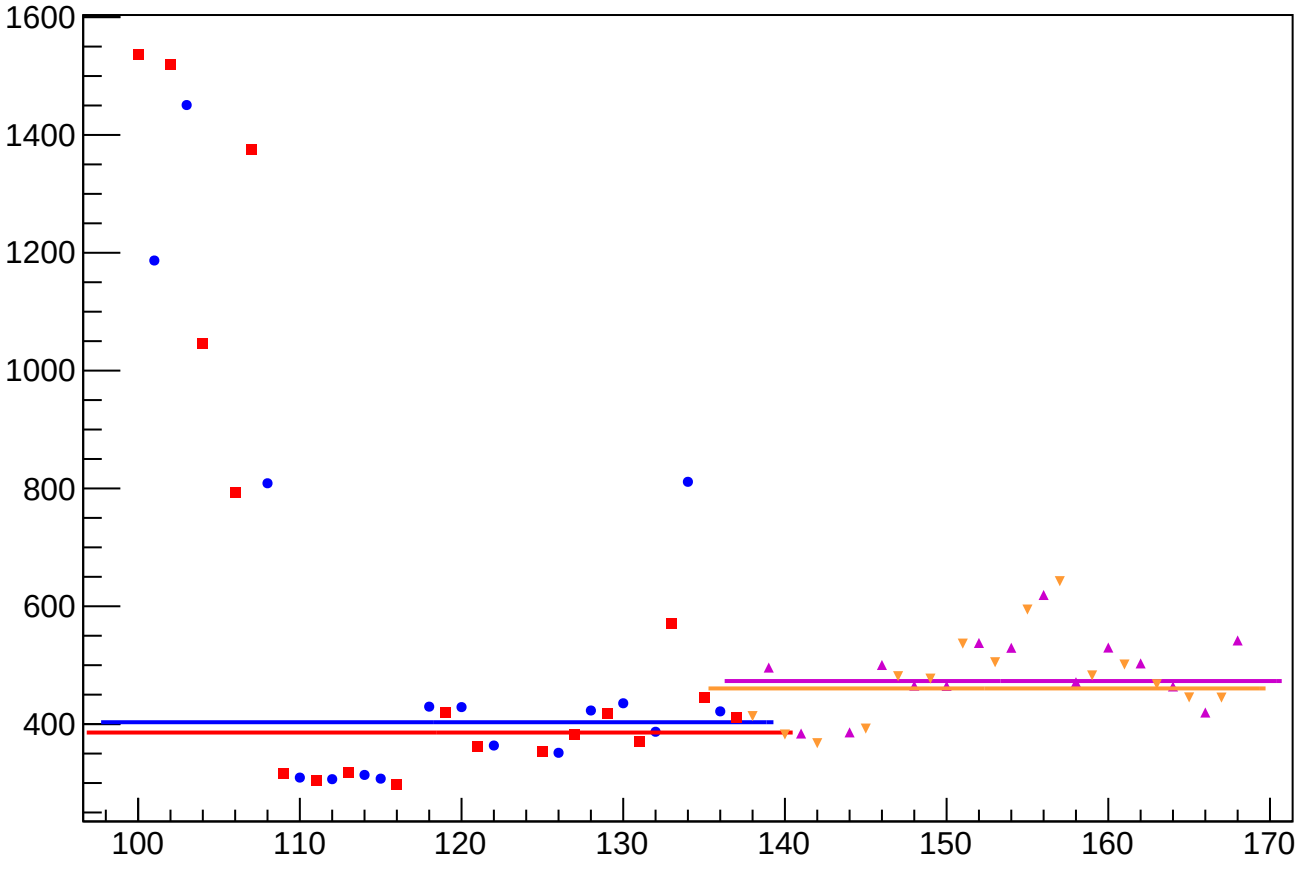
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -60.616+/-103.835 χ^2/NDF:37.6/30

Out: -188.321+/-102.569 χ^2/NDF:54.9/32

All: -125.252+/-72.971 χ^2/NDF: 93.2/63

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: 460.545+/-0.096 χ^2/NDF:478541.8/14

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 473.090+/-0.096 χ^2/NDF:402690.9/14

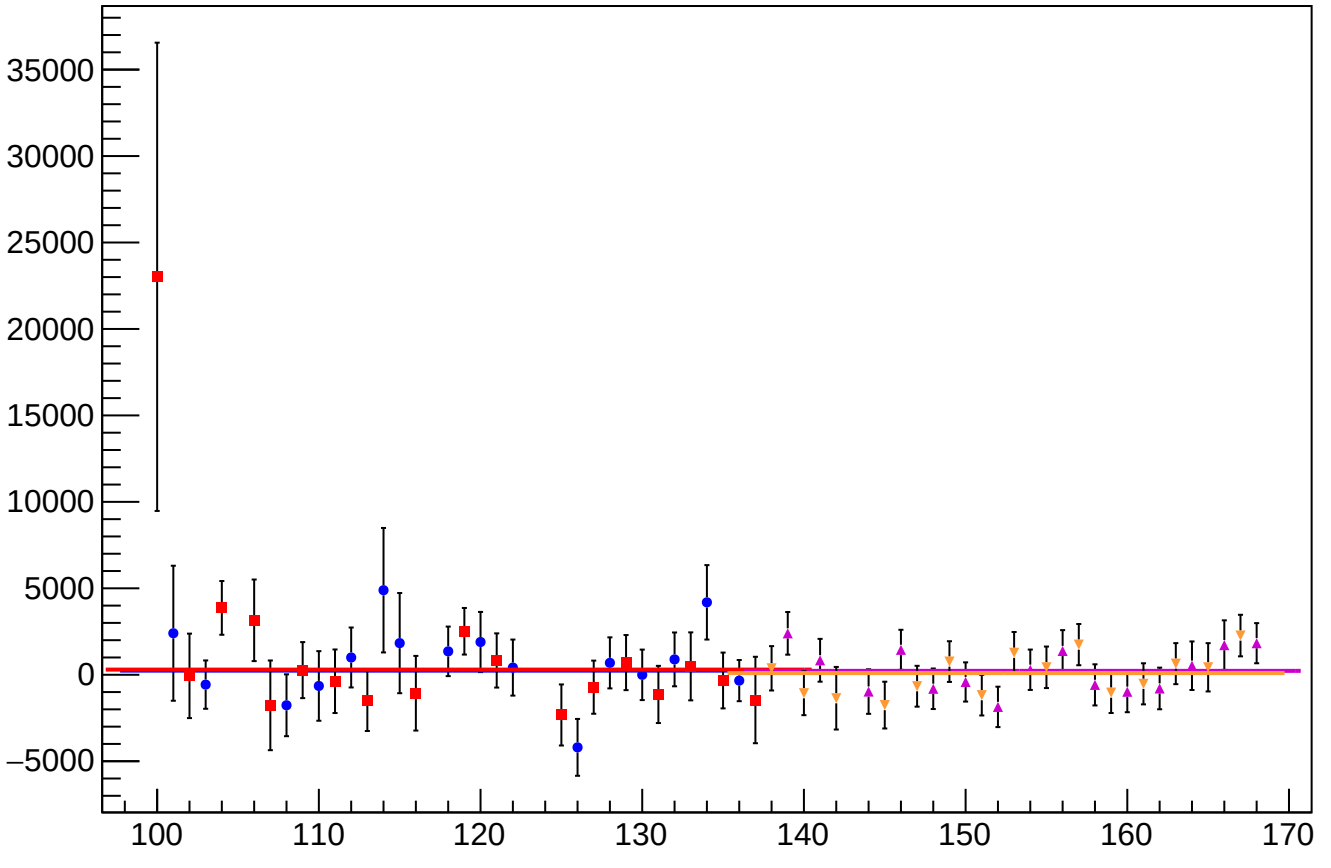
Left: 466.830+/-0.068 χ^2/NDF: 889758.8/29

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 444.098+/-0.073 χ^2/NDF:2434845.6/30

Out: 428.269+/-0.073 χ^2/NDF:2487003.9/32

All: 436.087+/-0.052 χ^2/NDF: 4945372.3/63



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 98.021+/-321.453 χ^2/NDF:13.0/14

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 226.383+/-313.696 χ^2/NDF:15.7/14

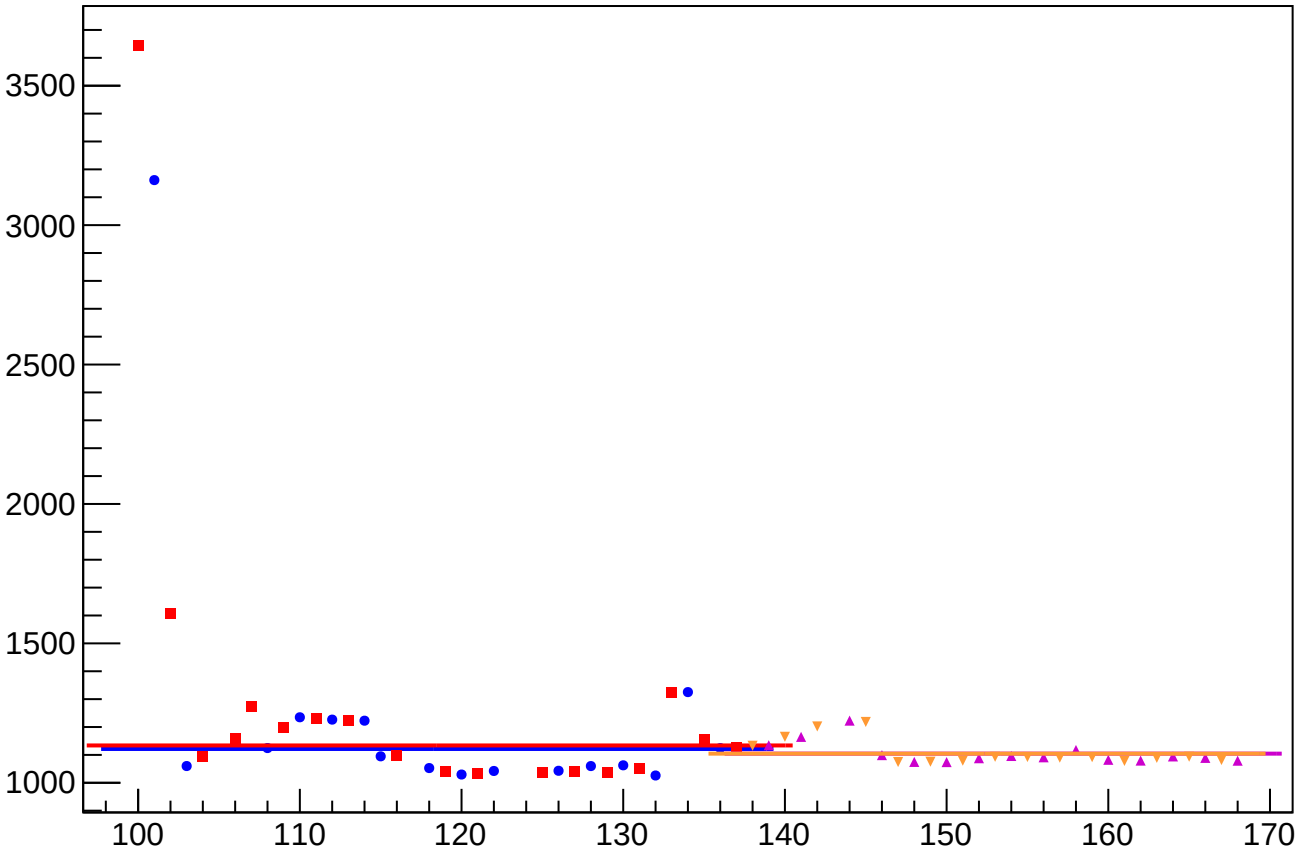
Left: 163.769+/-224.509 χ^2/NDF: 28.8/29

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 231.452+/-252.722 χ^2/NDF:32.7/30

Out: 169.879+/-257.627 χ^2/NDF:31.8/32

All: 201.258+/-180.411 χ^2/NDF: 64.5/63



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.510+/-0.227 χ^2/NDF:31892.5/14

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1104.509+/-0.222 χ^2/NDF:29334.5/14

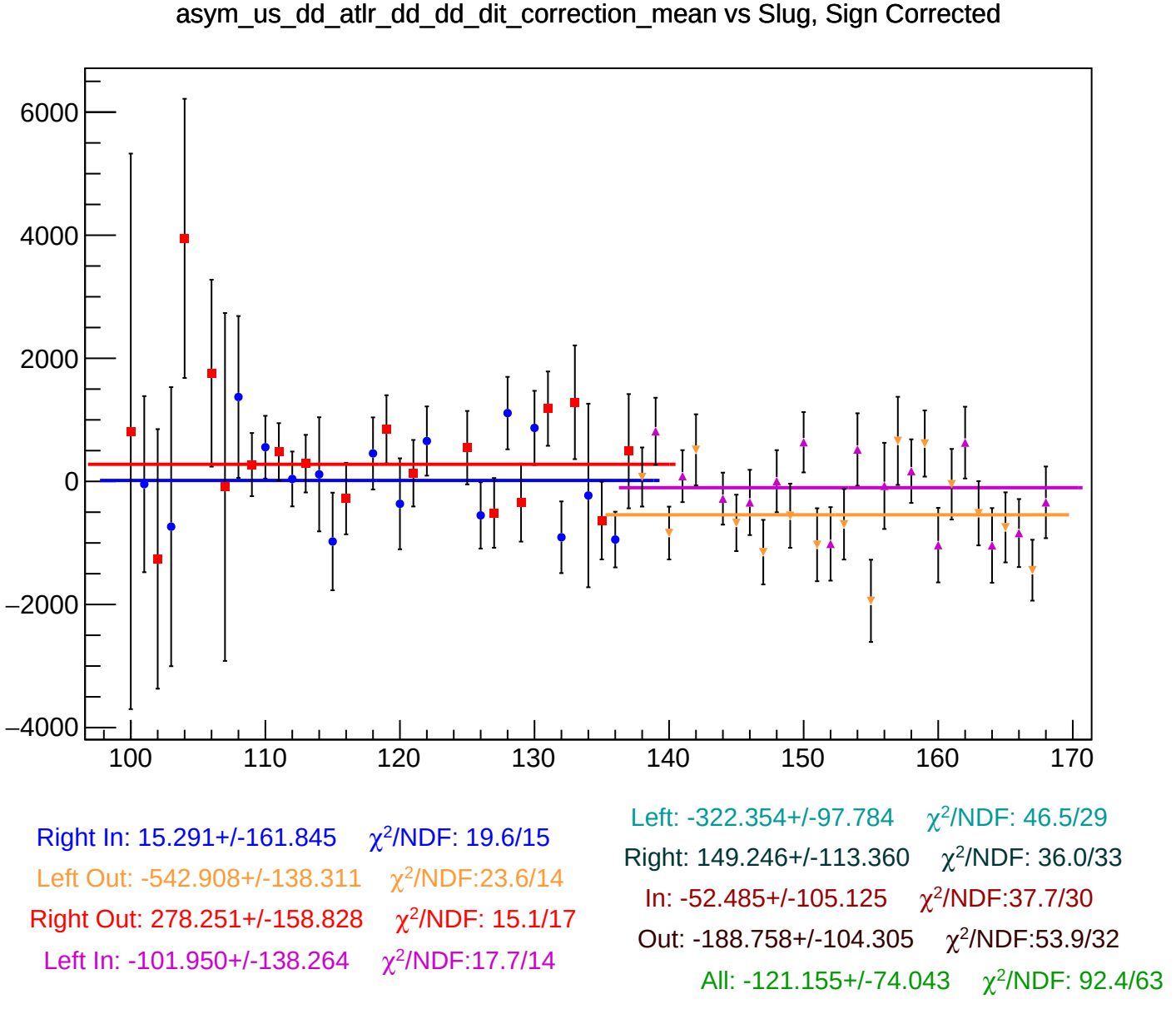
Left: 1104.510+/-0.159 χ^2/NDF: 61227.0/29

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

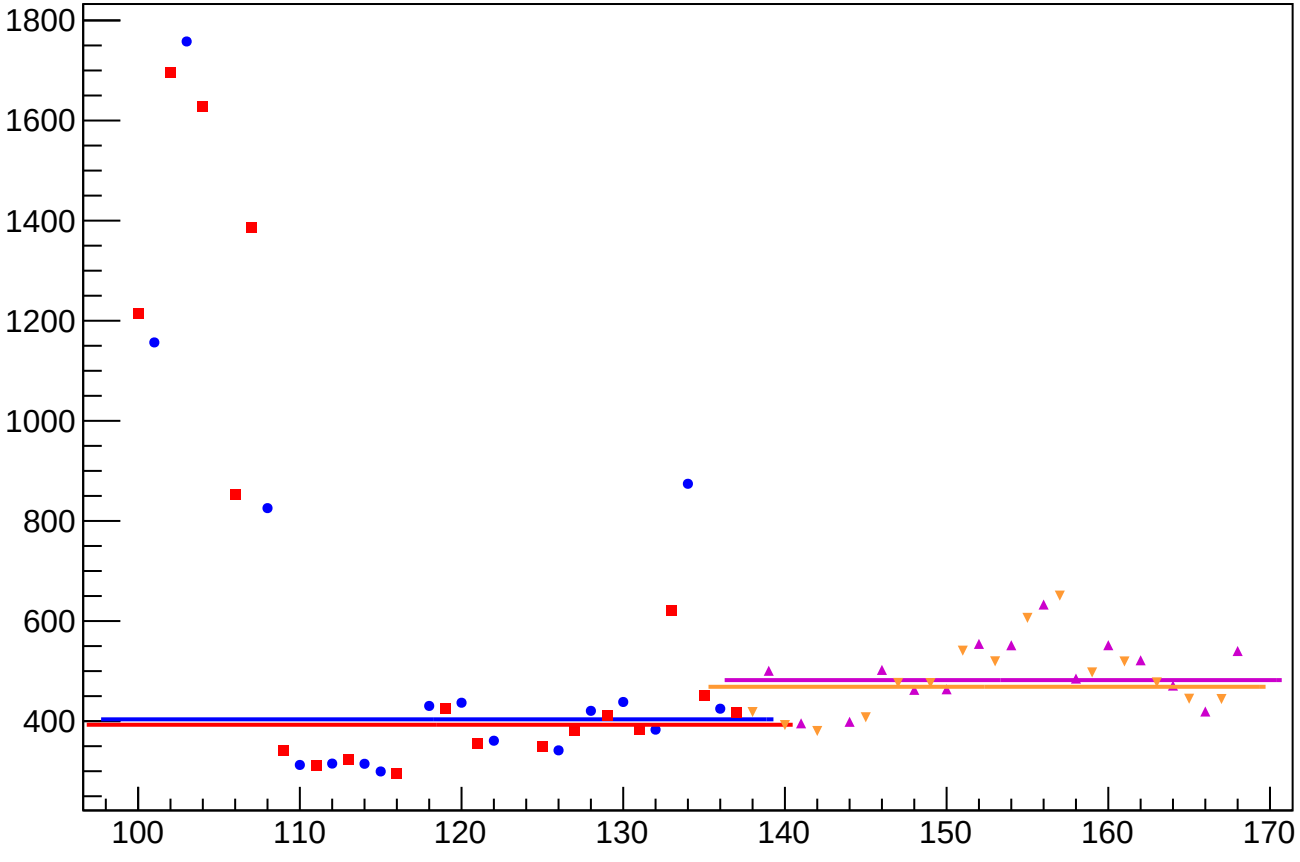
In: 1110.400+/-0.179 χ^2/NDF:648372.6/30

Out: 1115.033+/-0.182 χ^2/NDF:265341.2/32

All: 1112.672+/-0.128 χ^2/NDF: 914043.5/63


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -542.908+/-138.311 χ²/NDF:23.6/14
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: -101.950+/-138.264 χ²/NDF:17.7/14
Left: -322.354+/-97.784 χ²/NDF: 46.5/29
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: -52.485+/-105.125 χ²/NDF:37.7/30
Out: -188.758+/-104.305 χ²/NDF:53.9/32
All: -121.155+/-74.043 χ²/NDF: 92.4/63

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: 468.662+/-0.098 χ^2/NDF:458608.2/14

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 482.025+/-0.098 χ^2/NDF:404860.3/14

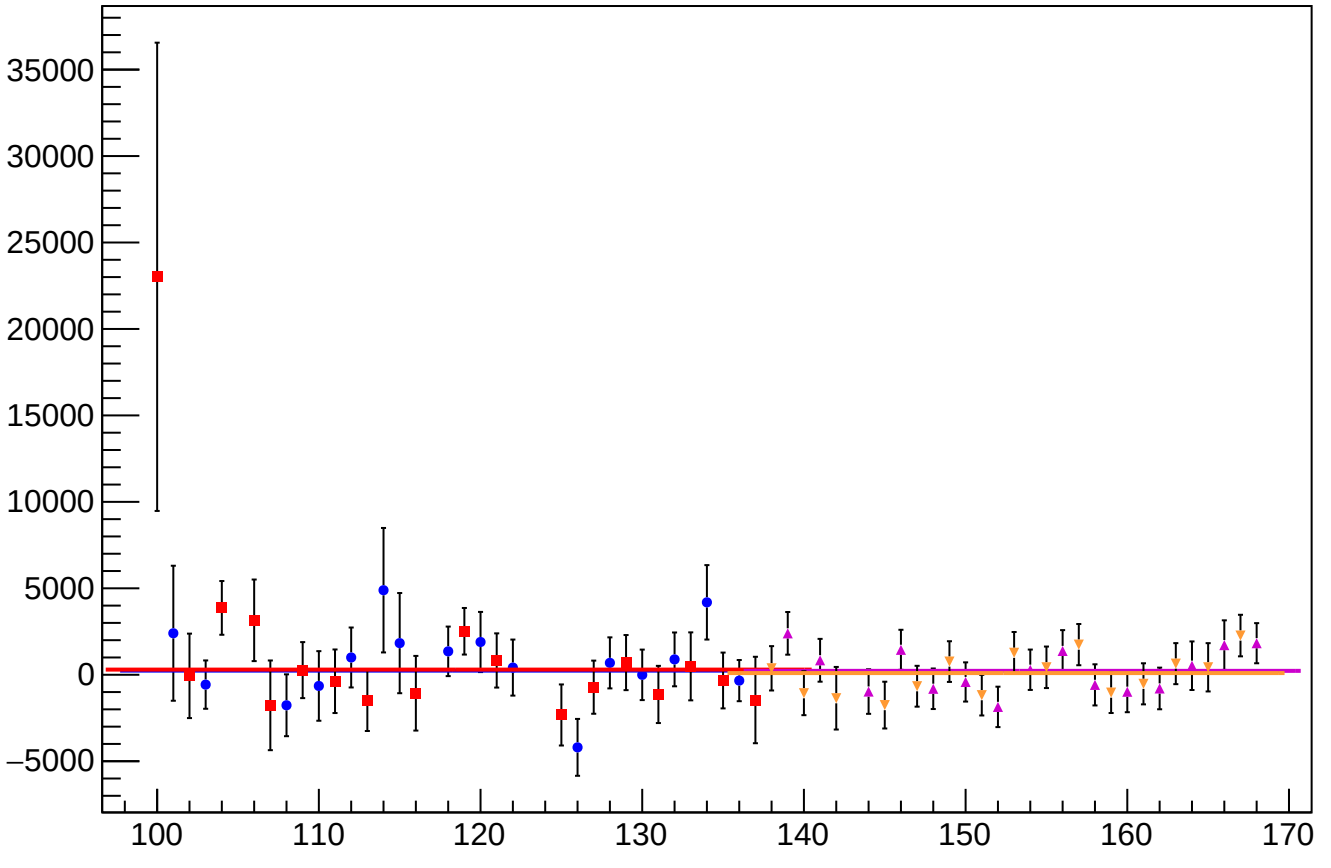
Left: 475.346+/-0.069 χ^2/NDF: 872806.3/29

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 448.961+/-0.074 χ^2/NDF:2605551.6/30

Out: 435.953+/-0.074 χ^2/NDF:2921416.7/32

All: 442.406+/-0.052 χ^2/NDF: 5542398.3/63



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 98.018+/-321.453 χ^2/NDF:13.0/14

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 226.384+/-313.696 χ^2/NDF:15.7/14

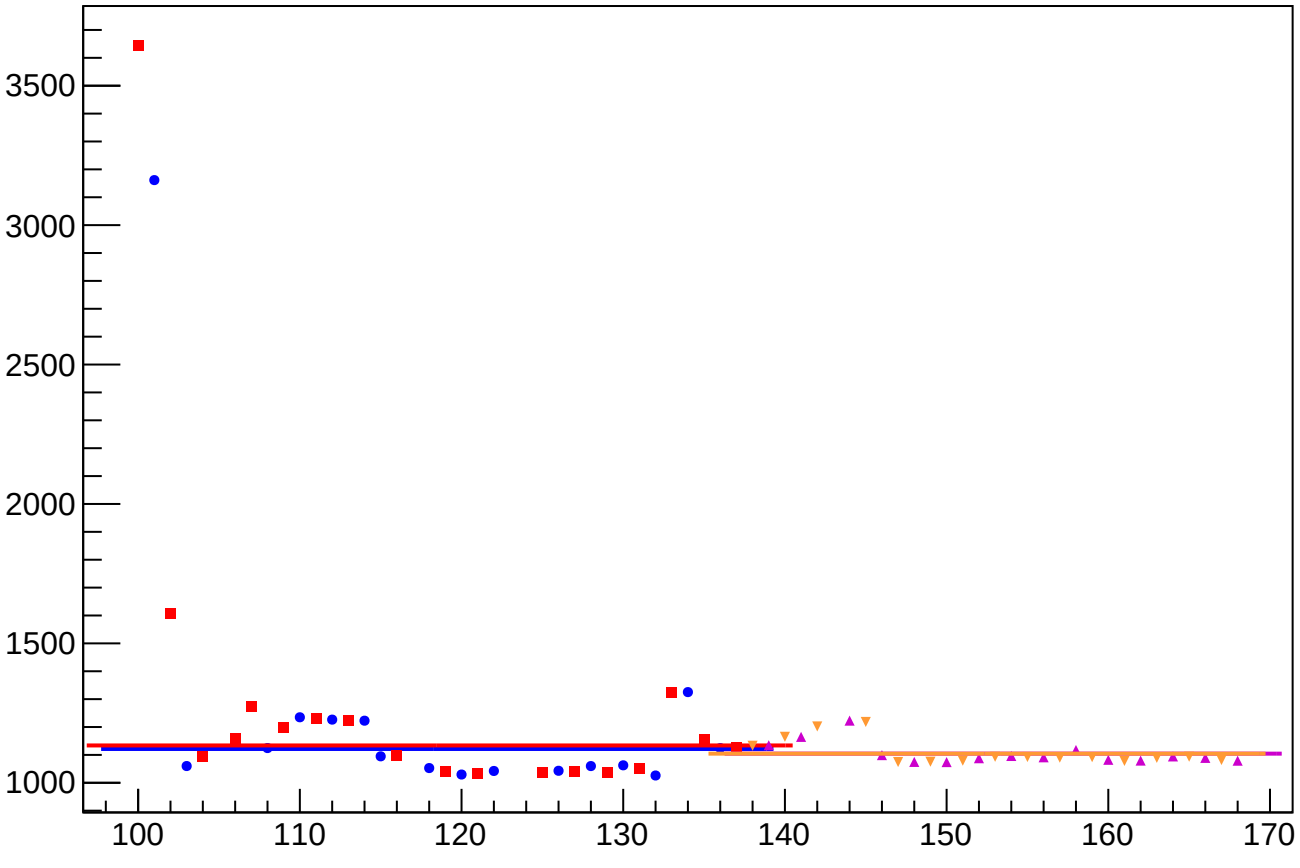
Left: 163.768+/-224.509 χ^2/NDF: 28.8/29

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 231.454+/-252.722 χ^2/NDF:32.7/30

Out: 169.878+/-257.627 χ^2/NDF:31.8/32

All: 201.258+/-180.411 χ^2/NDF: 64.5/63



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1104.511+/-0.227 χ^2/NDF:31892.6/14

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1104.509+/-0.222 χ^2/NDF:29334.6/14

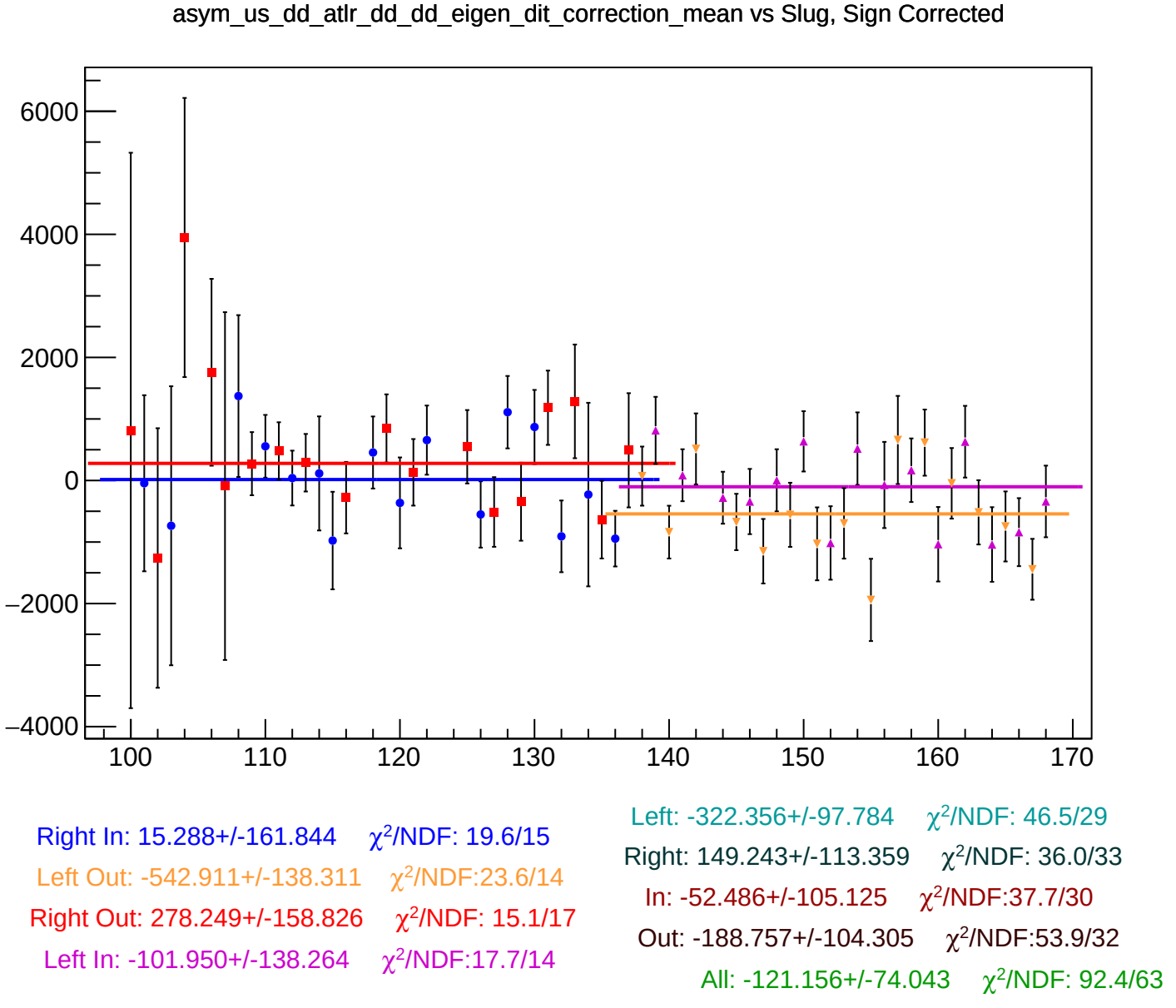
Left: 1104.510+/-0.159 χ^2/NDF: 61227.2/29

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

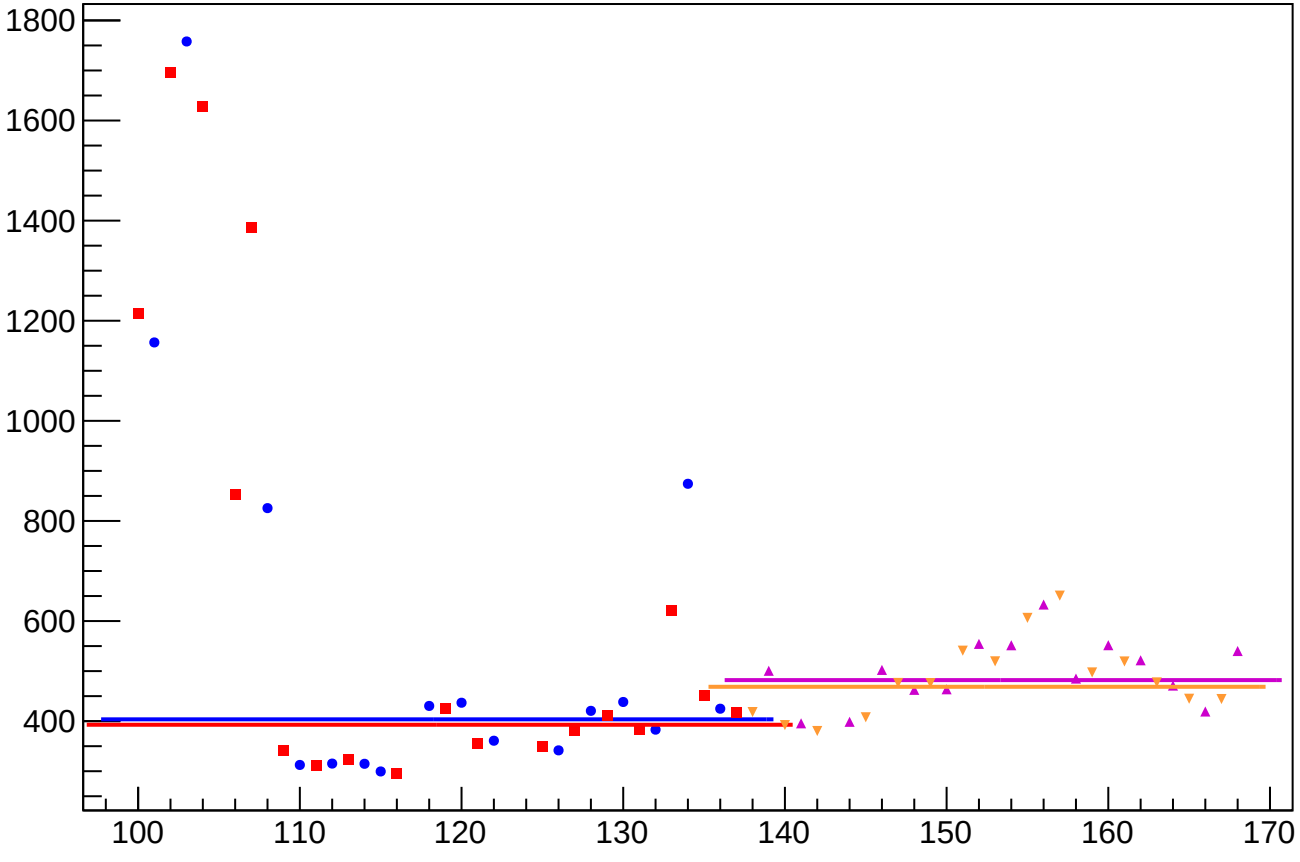
In: 1110.400+/-0.179 χ^2/NDF:648372.7/30

Out: 1115.033+/-0.182 χ^2/NDF:265341.3/32

All: 1112.672+/-0.128 χ^2/NDF: 914043.6/63


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
170
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -542.911+/-138.311 χ²/NDF:23.6/14
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -101.950+/-138.264 χ²/NDF:17.7/14
Left: -322.356+/-97.784 χ²/NDF: 46.5/29
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -52.486+/-105.125 χ²/NDF:37.7/30
Out: -188.757+/-104.305 χ²/NDF:53.9/32
All: -121.156+/-74.043 χ²/NDF: 92.4/63

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: 468.662+/-0.098 χ^2/NDF:458631.4/14

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 482.026+/-0.098 χ^2/NDF:404870.0/14

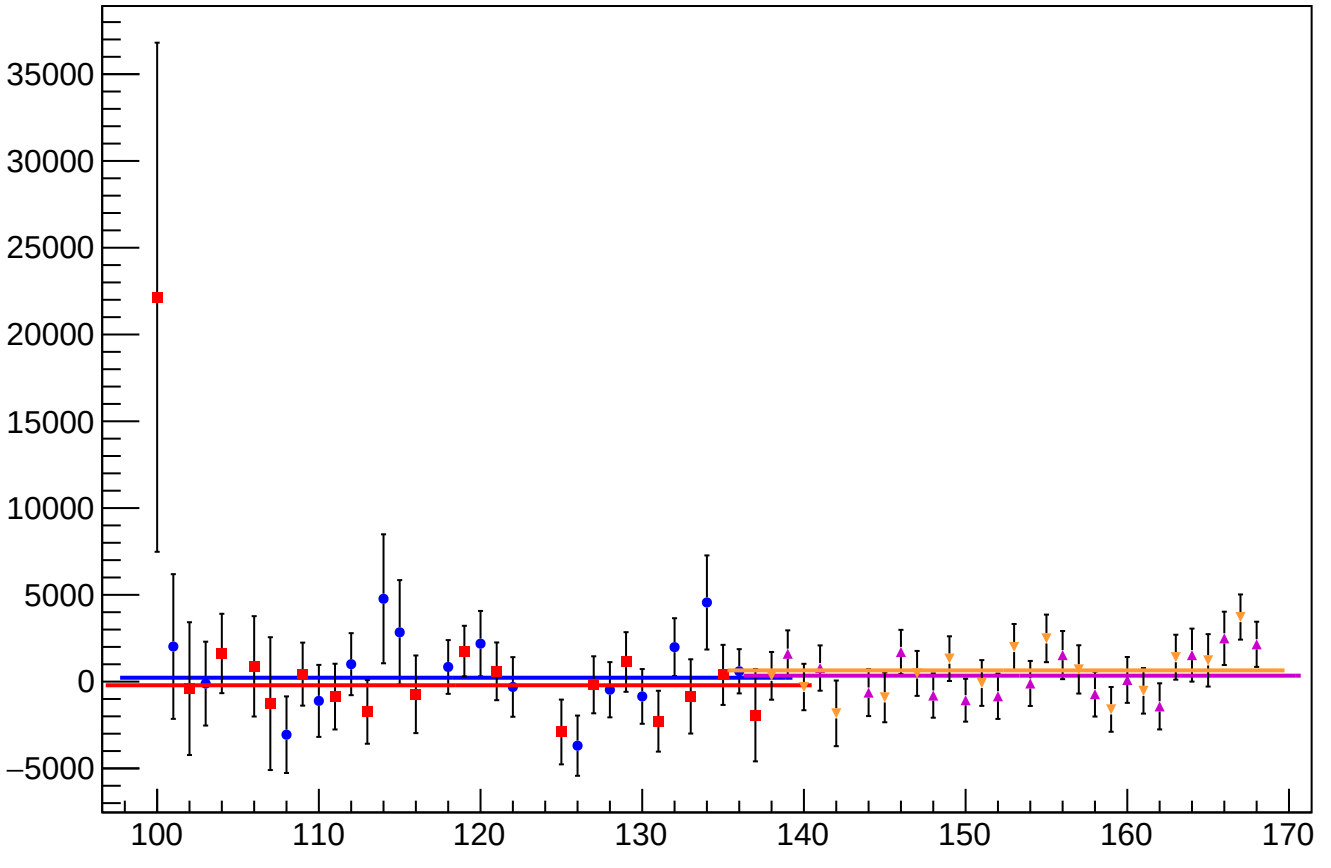
Left: 475.346+/-0.069 χ^2/NDF: 872840.5/29

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 448.959+/-0.074 χ^2/NDF:2605587.0/30

Out: 435.951+/-0.074 χ^2/NDF:2921470.2/32

All: 442.404+/-0.052 χ^2/NDF: 5542488.7/63



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 647.881+/-352.300 χ^2/NDF:16.8/14

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 343.144+/-343.986 χ^2/NDF:13.4/14

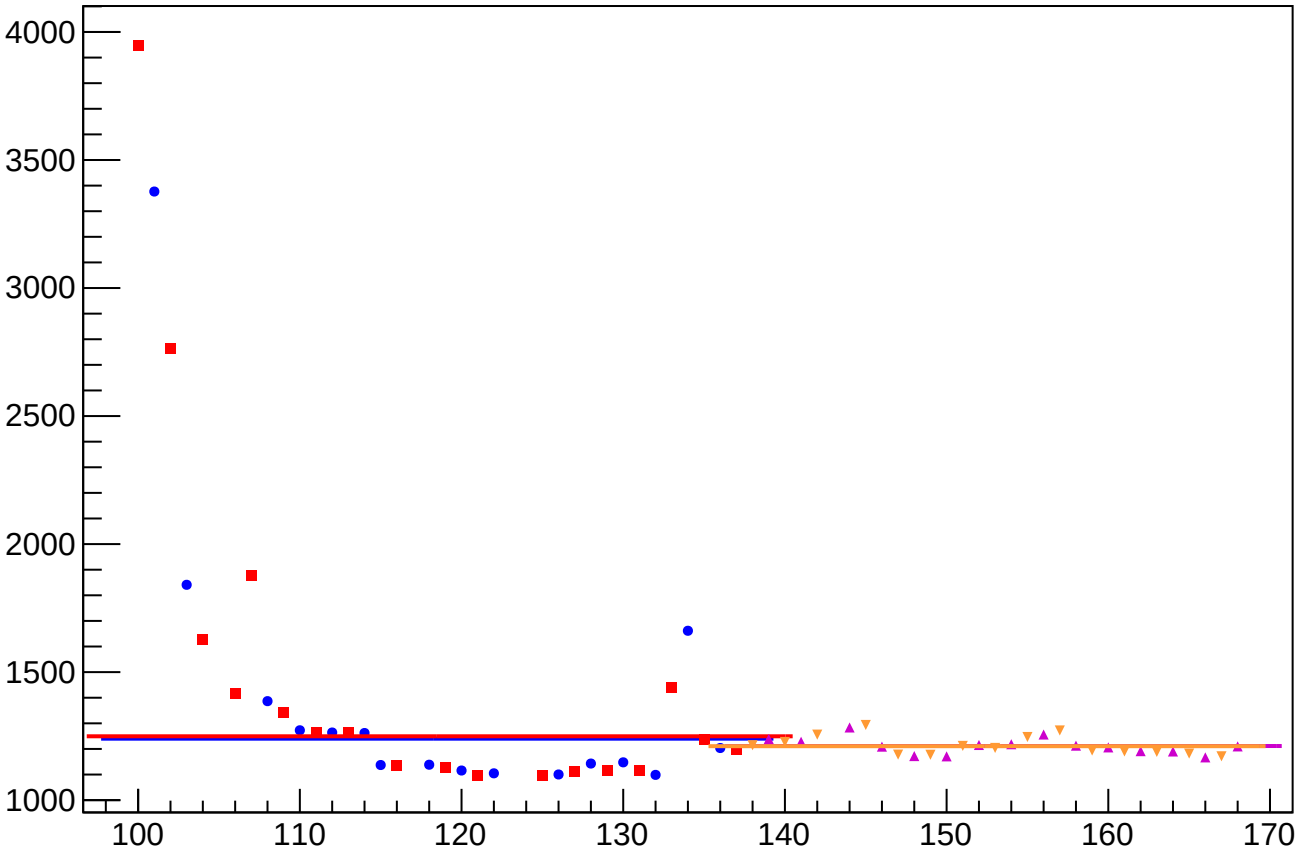
Left: 491.874+/-246.122 χ^2/NDF: 30.6/29

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 302.387+/-278.514 χ^2/NDF:29.6/30

Out: 345.847+/-283.558 χ^2/NDF:29.9/32

All: 323.727+/-198.698 χ^2/NDF: 59.5/63



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1210.798+/-0.249 χ^2/NDF:20108.0/14

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1211.436+/-0.243 χ^2/NDF:15636.9/14

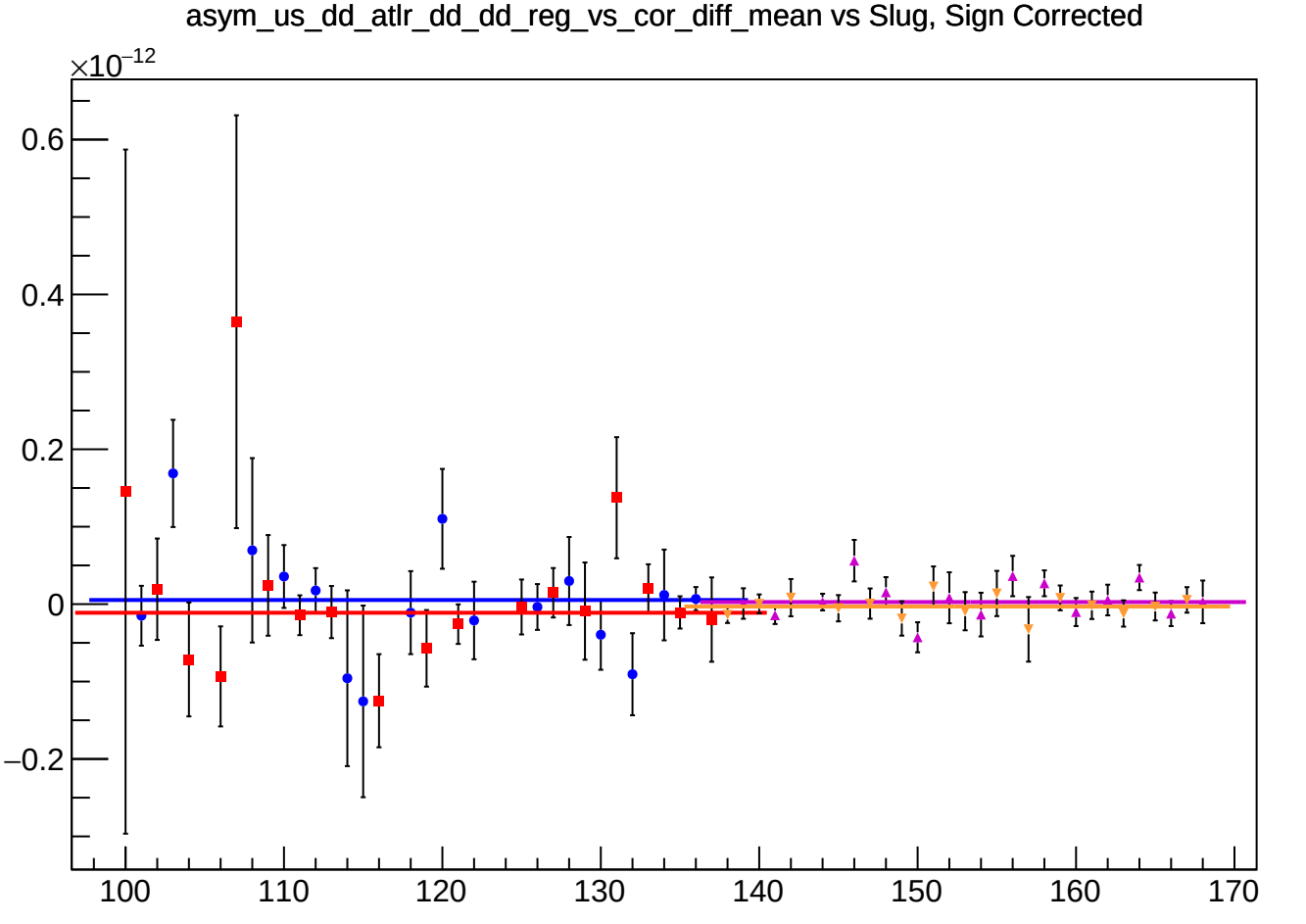
Left: 1211.125+/-0.174 χ^2/NDF: 35748.2/29

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1221.323+/-0.197 χ^2/NDF:803113.3/30

Out: 1224.396+/-0.201 χ^2/NDF:634668.1/32

All: 1222.832+/-0.141 χ^2/NDF: 1437901.0/63



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

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

Left In: 0.000+/-0.000 χ^2/NDF:21.5/14

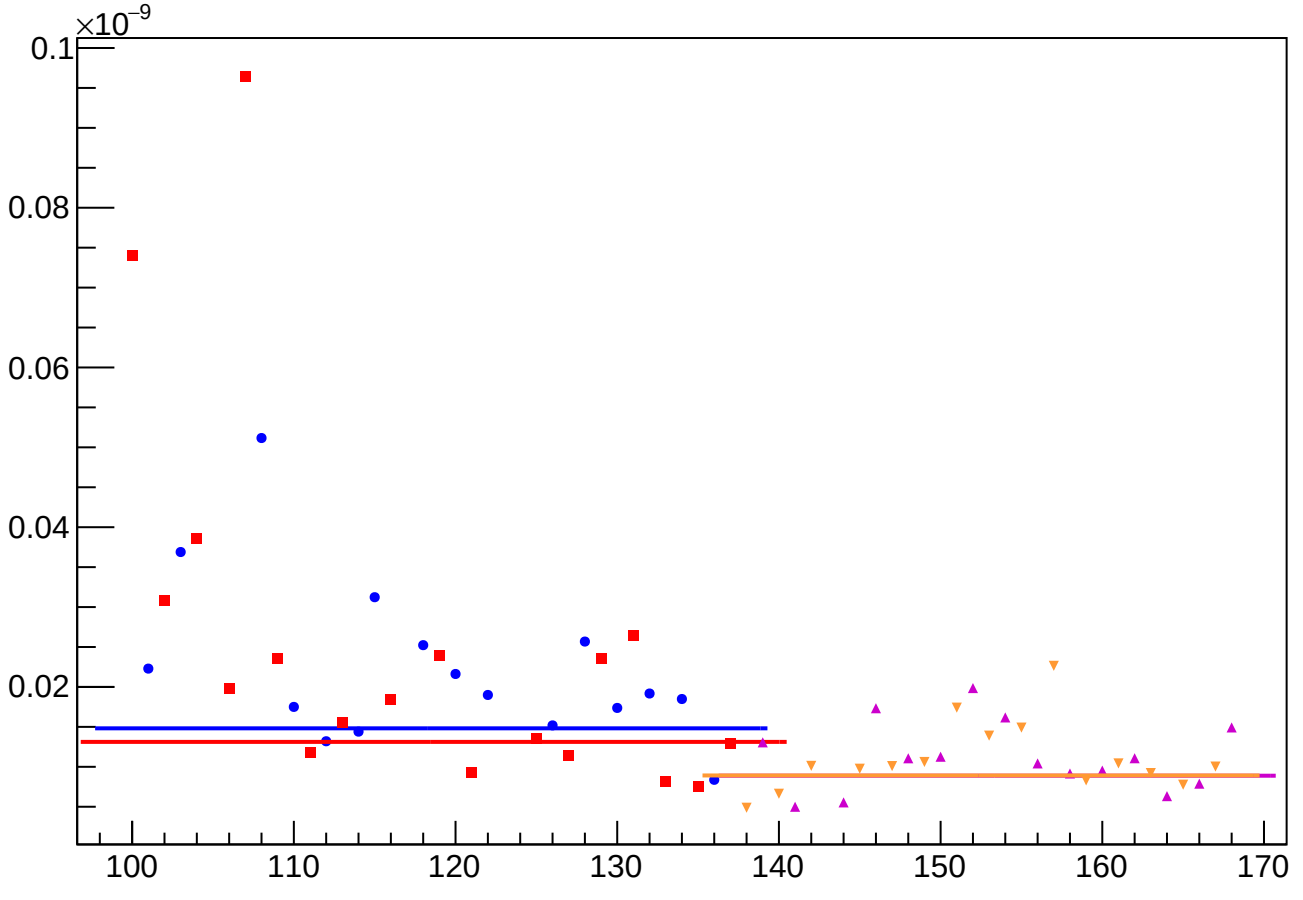
Left: -0.000+/-0.000 χ^2/NDF: 27.0/29

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:37.9/30

Out: -0.000+/-0.000 χ^2/NDF:20.4/32

All: -0.000+/-0.000 χ^2/NDF: 60.1/63



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1019750.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1315810.4/14

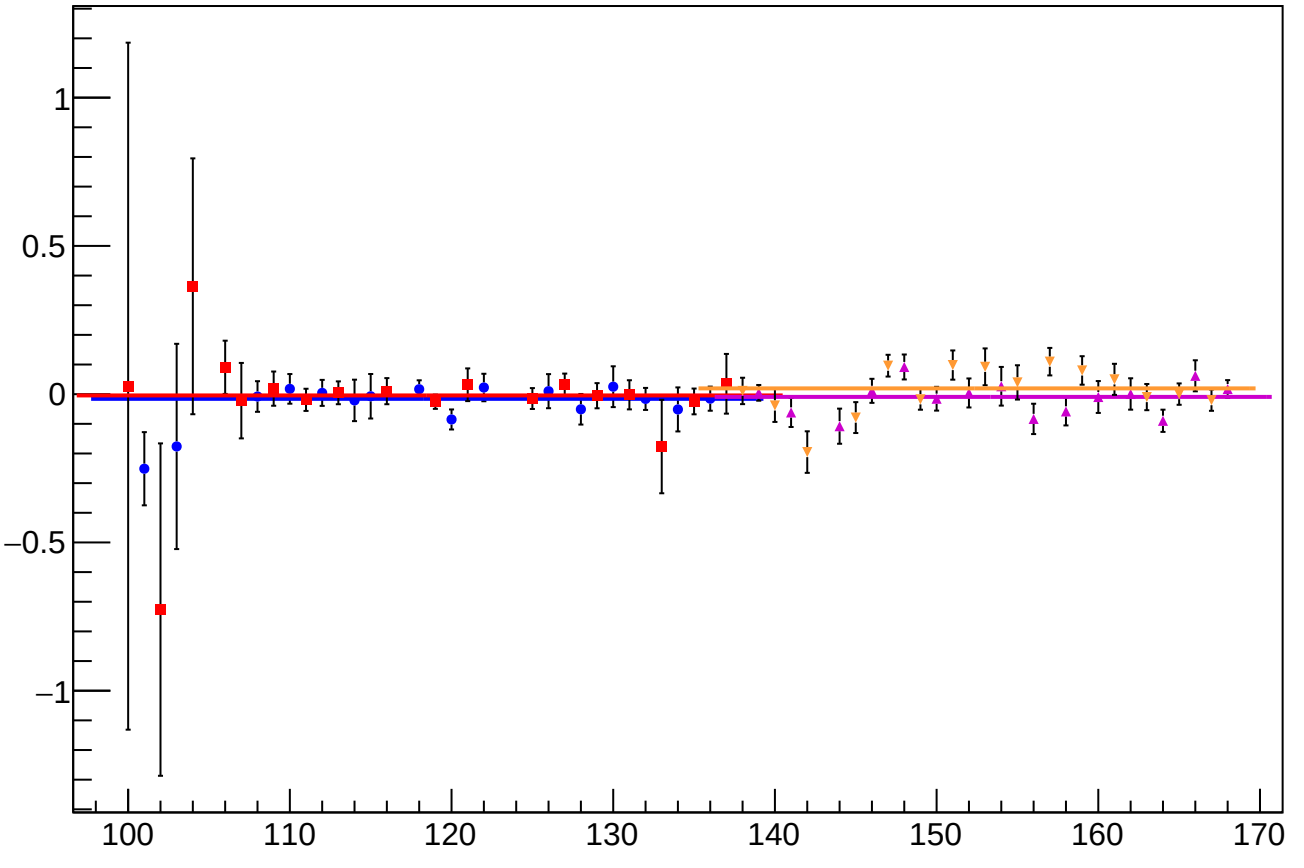
Left: 0.000+/-0.000 χ^2/NDF: 2335609.2/29

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3013448.7/30

Out: 0.000+/-0.000 χ^2/NDF:2526302.6/32

All: 0.000+/-0.000 χ^2/NDF: 5543458.7/63



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.011 χ^2/NDF:21.0/14

Left: 0.004+/-0.008 χ^2/NDF: 55.4/29

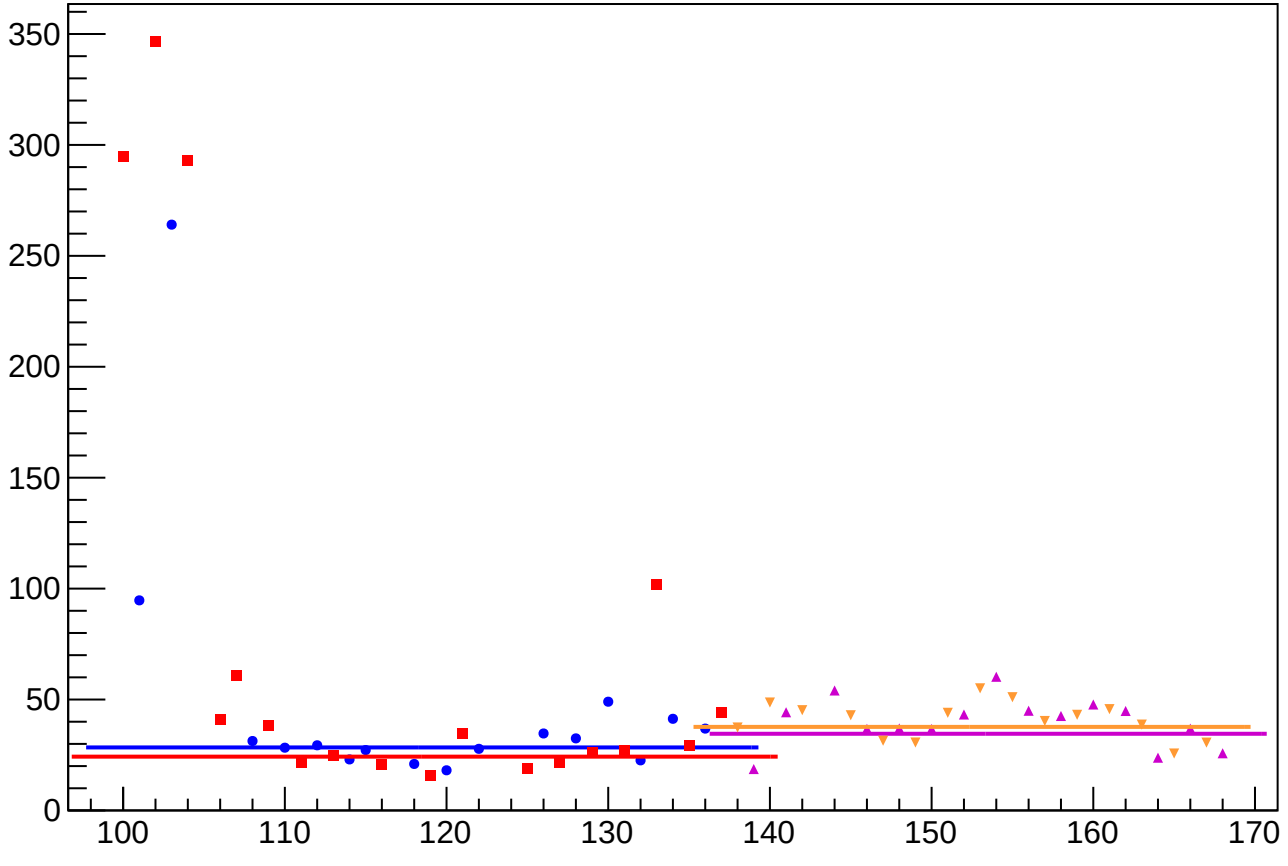
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.008 χ^2/NDF:33.1/30

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.002+/-0.006 χ^2/NDF: 77.1/63

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF:935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.565+/-0.008 χ^2/NDF:2082264.3/14

Left: 36.013+/-0.006 χ^2/NDF: 3092566.5/29

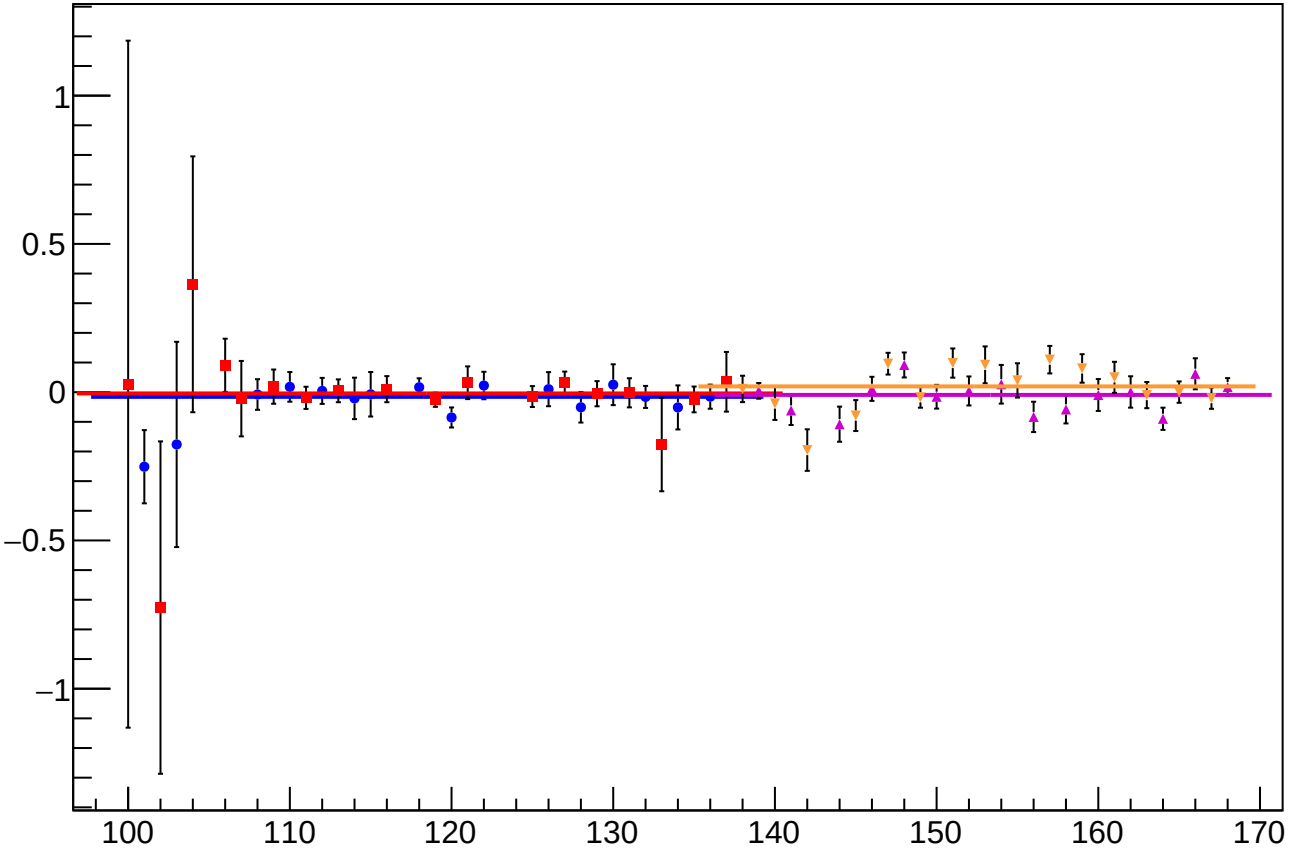
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.835+/-0.006 χ^2/NDF:4606134.1/30

Out: 30.781+/-0.006 χ^2/NDF:5187468.2/32

All: 31.308+/-0.004 χ^2/NDF: 9810143.0/63

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: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.011 χ^2/NDF:21.0/14

Left: 0.004+/-0.008 χ^2/NDF: 55.4/29

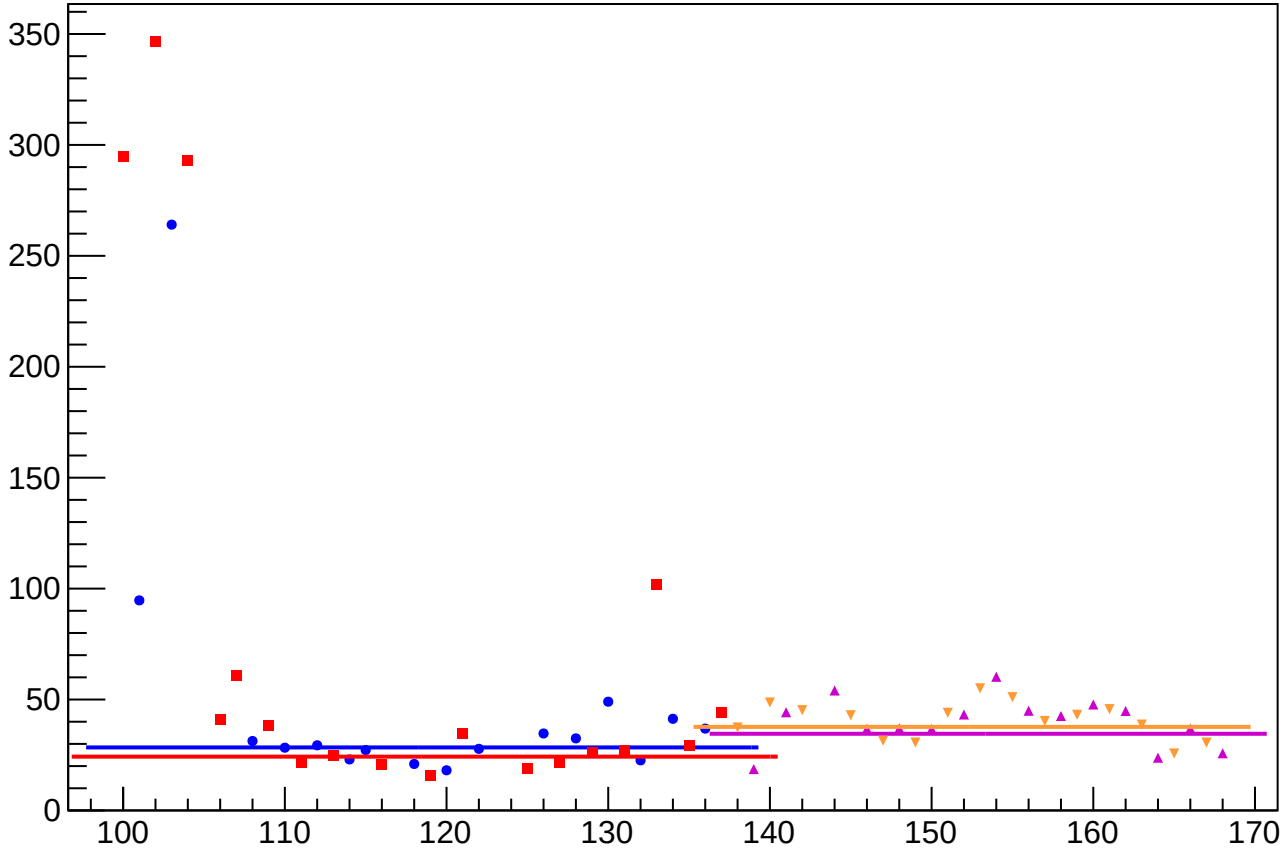
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.008 χ^2/NDF:33.1/30

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.002+/-0.006 χ^2/NDF: 77.1/63

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.669+/-0.008 χ^2/NDF:935829.4/14

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.565+/-0.008 χ^2/NDF:2082264.3/14

Left: 36.013+/-0.006 χ^2/NDF: 3092566.5/29

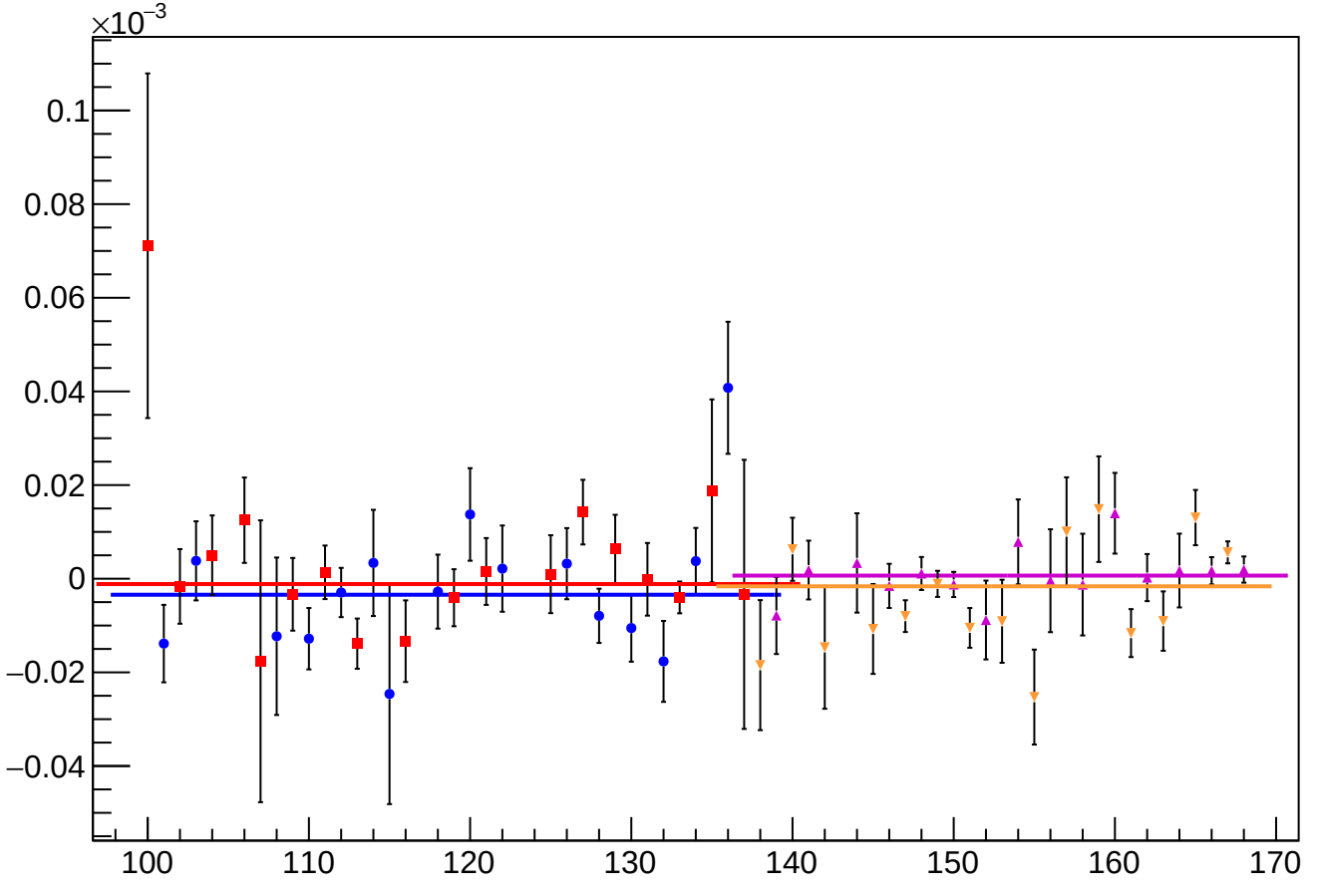
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.835+/-0.006 χ^2/NDF:4606134.1/30

Out: 30.781+/-0.006 χ^2/NDF:5187468.2/32

All: 31.308+/-0.004 χ^2/NDF: 9810143.0/63

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:42.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.6/14

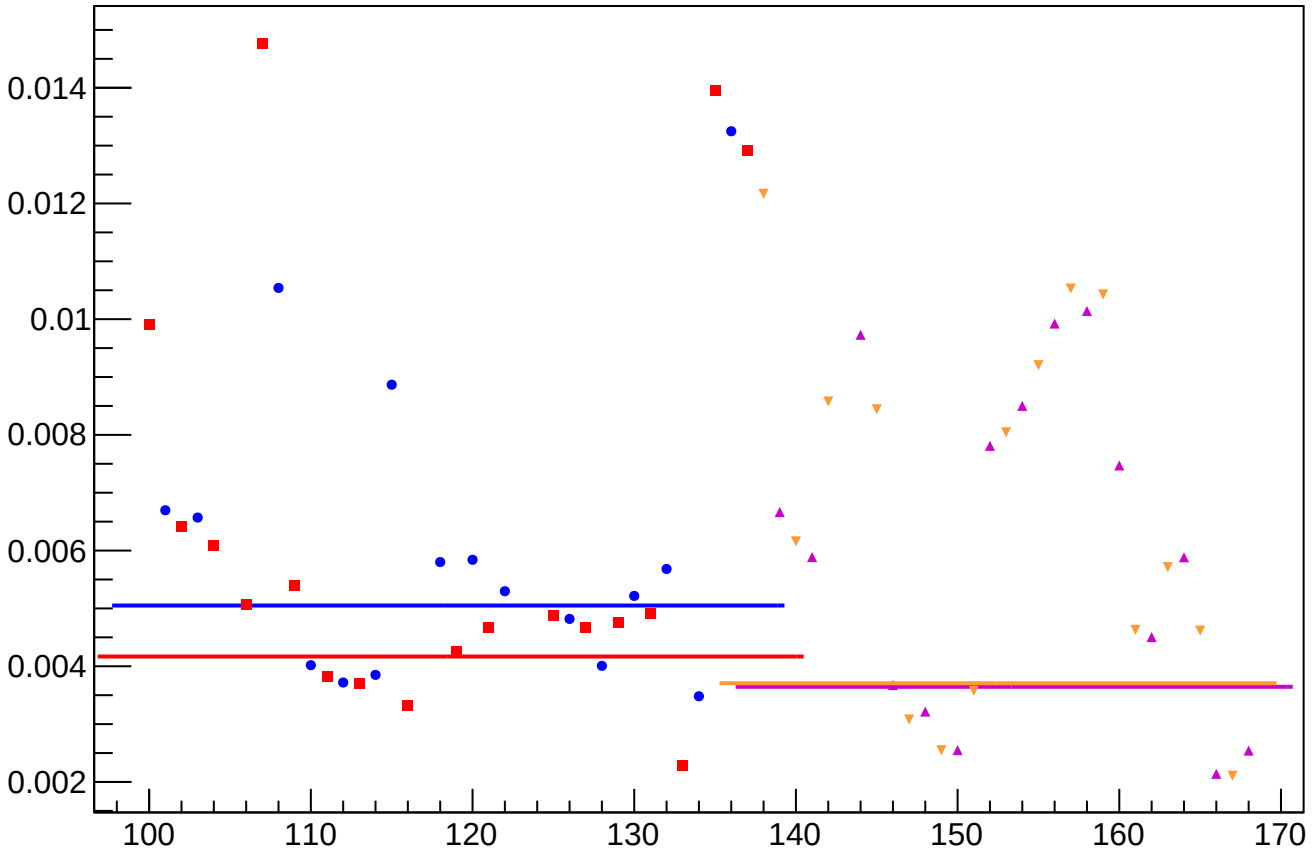
Left: -0.000+/-0.000 χ^2/NDF: 51.2/29

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:34.7/30

Out: -0.000+/-0.000 χ^2/NDF:65.9/32

All: -0.000+/-0.000 χ^2/NDF: 101.1/63



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:5896203.5/14

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:5434245.6/14

Left: 0.004+/-0.000 χ^2/NDF: 11332889.1/29

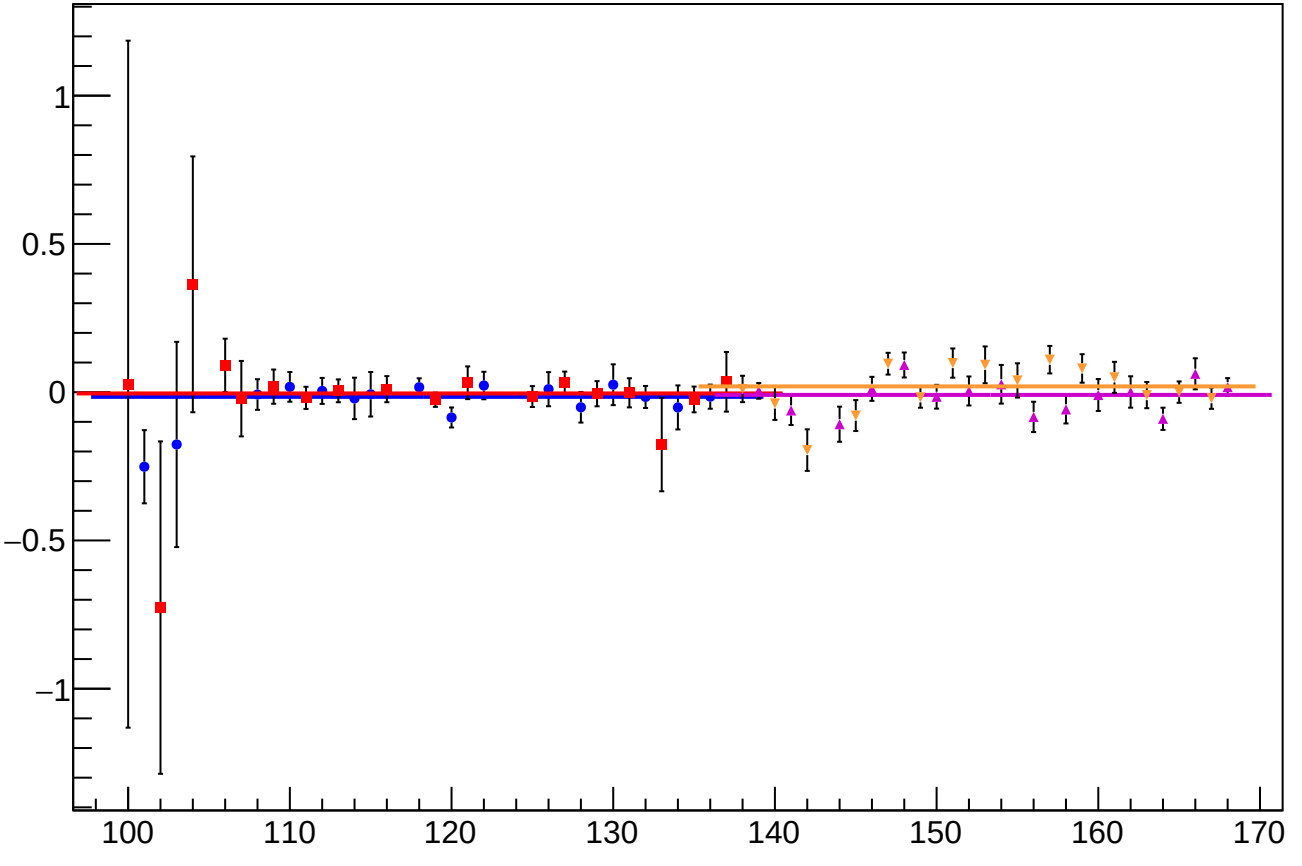
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:7634508.4/30

Out: 0.004+/-0.000 χ^2/NDF:8033439.4/32

All: 0.004+/-0.000 χ^2/NDF: 15688854.3/63

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: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.011 χ^2/NDF:21.0/14

Left: 0.004+/-0.008 χ^2/NDF: 55.4/29

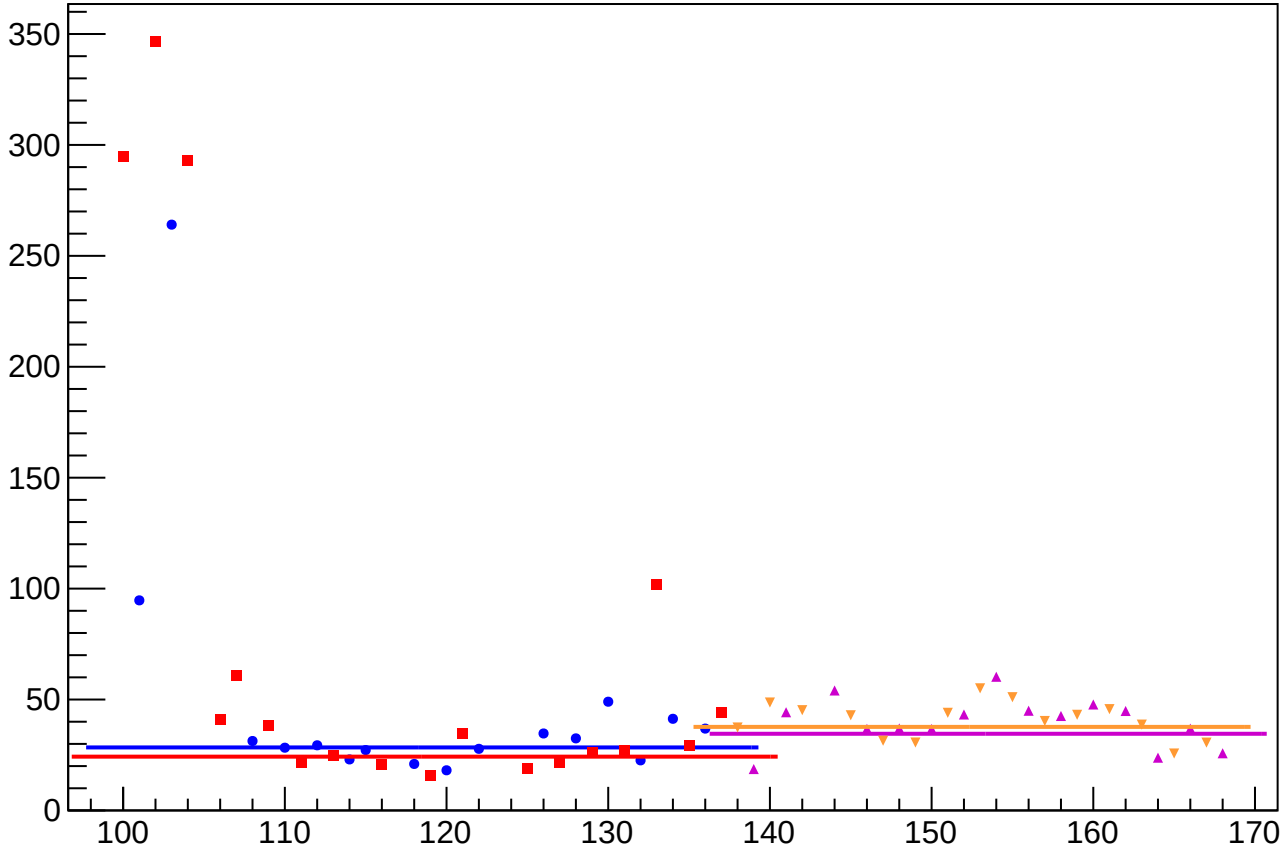
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.008 χ^2/NDF:33.1/30

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.002+/-0.006 χ^2/NDF: 77.1/63

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.669+/-0.008 χ^2/NDF:935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.564+/-0.008 χ^2/NDF:2082676.3/14

Left: 36.013+/-0.006 χ^2/NDF: 3093137.8/29

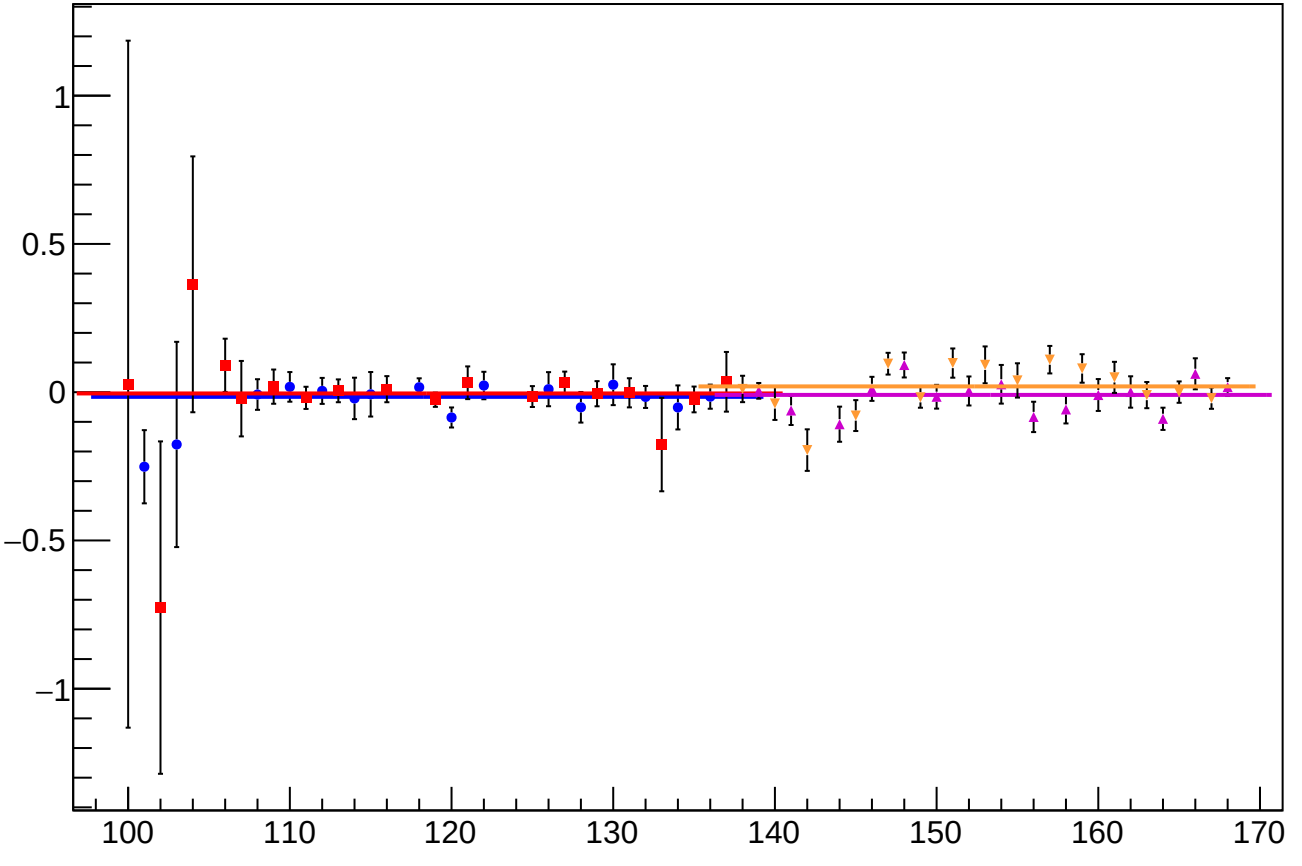
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.835+/-0.006 χ^2/NDF:4606547.7/30

Out: 30.780+/-0.006 χ^2/NDF:5188180.6/32

All: 31.307+/-0.004 χ^2/NDF: 9811304.4/63

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: 0.020+/-0.012 χ^2/NDF:31.2/14

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.011 χ^2/NDF:21.0/14

Left: 0.004+/-0.008 χ^2/NDF: 55.4/29

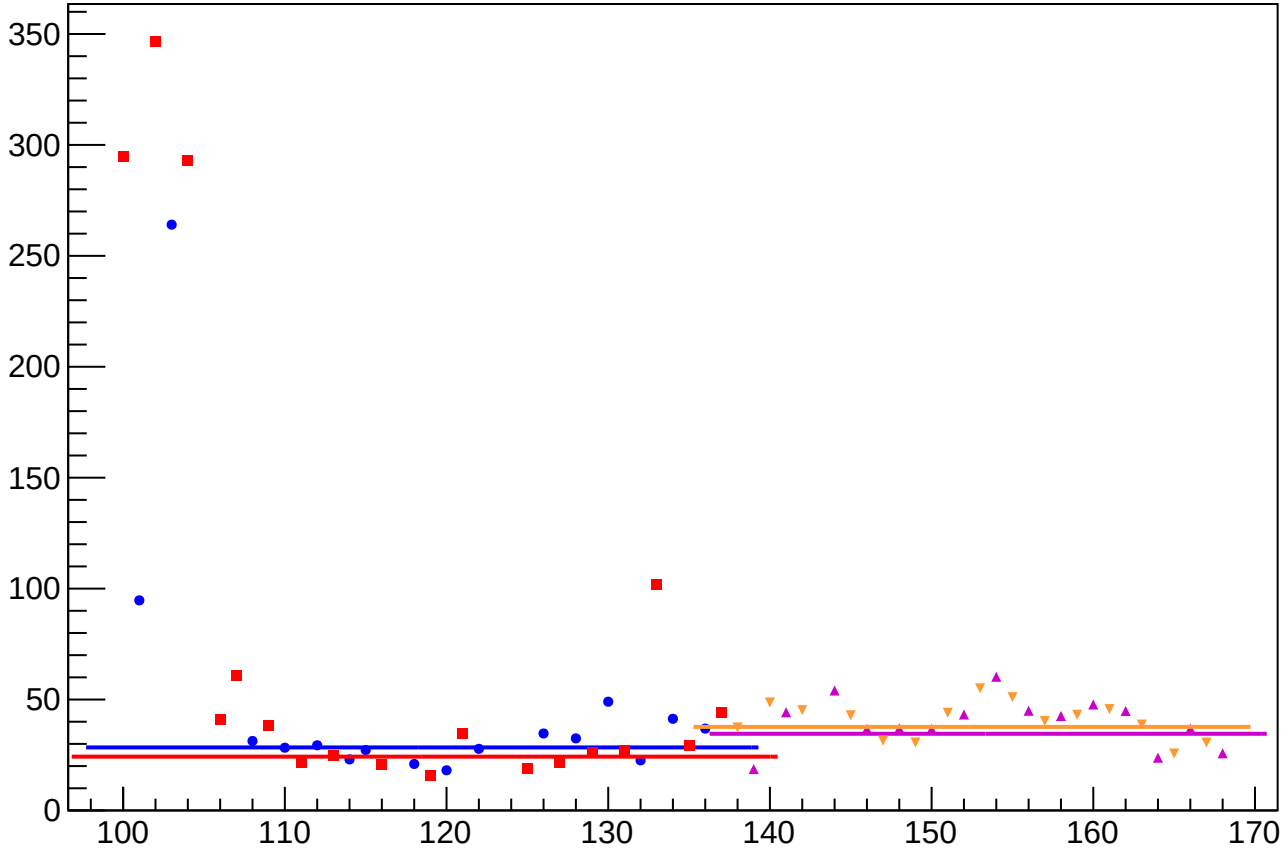
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.008 χ^2/NDF:33.1/30

Out: 0.007+/-0.008 χ^2/NDF:41.2/32

All: -0.002+/-0.006 χ^2/NDF: 77.1/63

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.669+/-0.008 χ^2/NDF:935992.2/14

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.564+/-0.008 χ^2/NDF:2082676.3/14

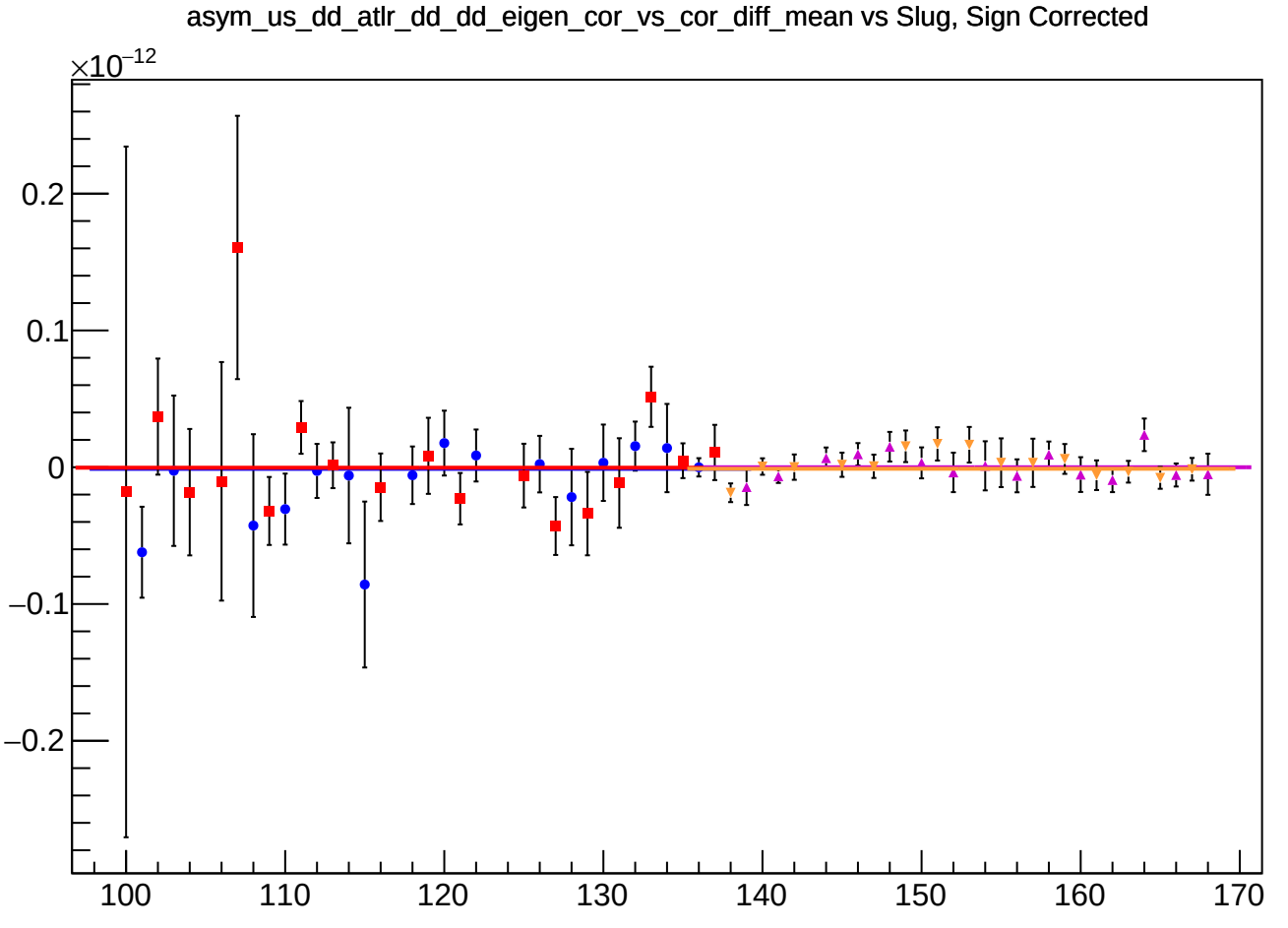
Left: 36.013+/-0.006 χ^2/NDF: 3093137.8/29

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.835+/-0.006 χ^2/NDF:4606547.7/30

Out: 30.780+/-0.006 χ^2/NDF:5188180.6/32

All: 31.307+/-0.004 χ^2/NDF: 9811304.4/63



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/14

Left: -0.000+/-0.000 χ^2/NDF: 28.7/29

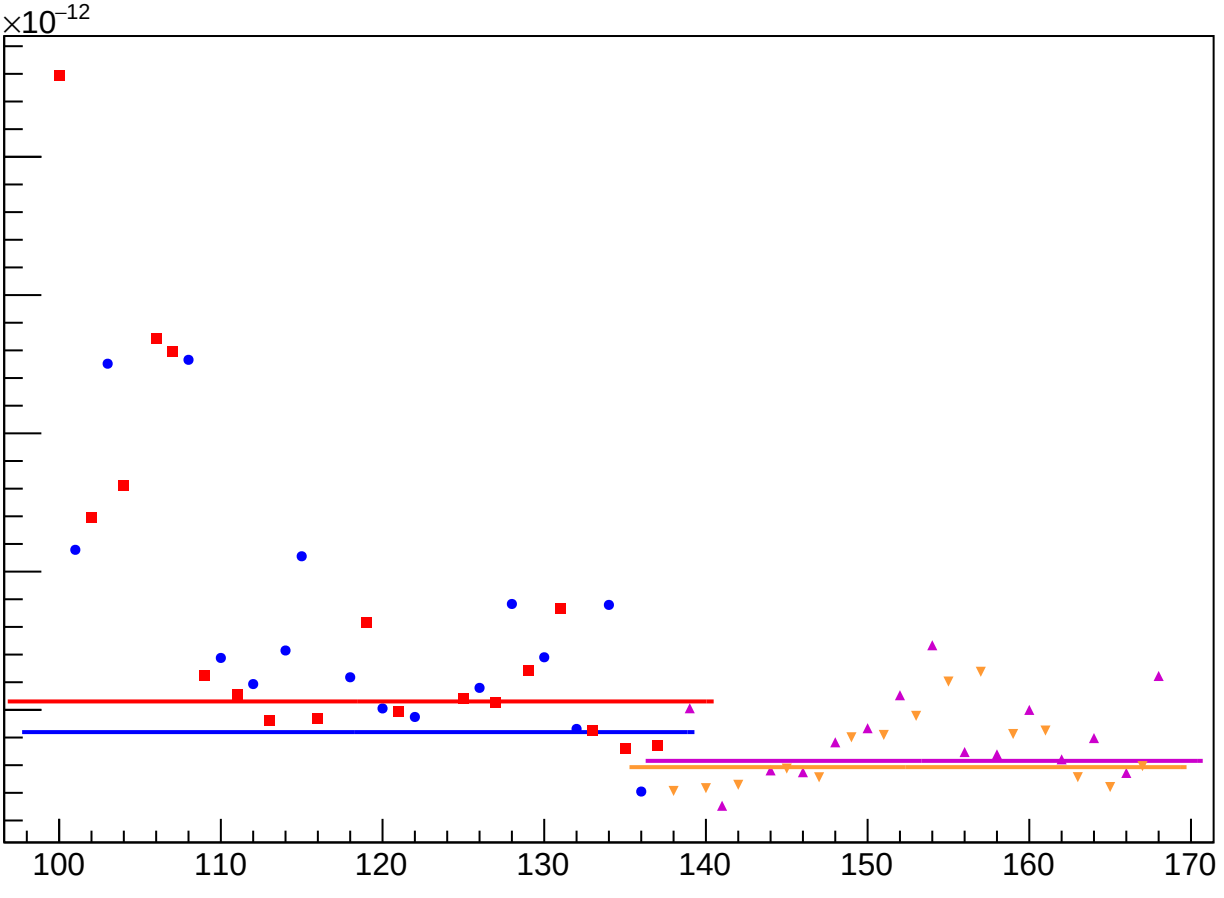
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:23.7/30

Out: -0.000+/-0.000 χ^2/NDF:35.5/32

All: -0.000+/-0.000 χ^2/NDF: 59.3/63

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456831.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2434843.4/14

Left: 0.000+/-0.000 χ^2/NDF: 3927038.7/29

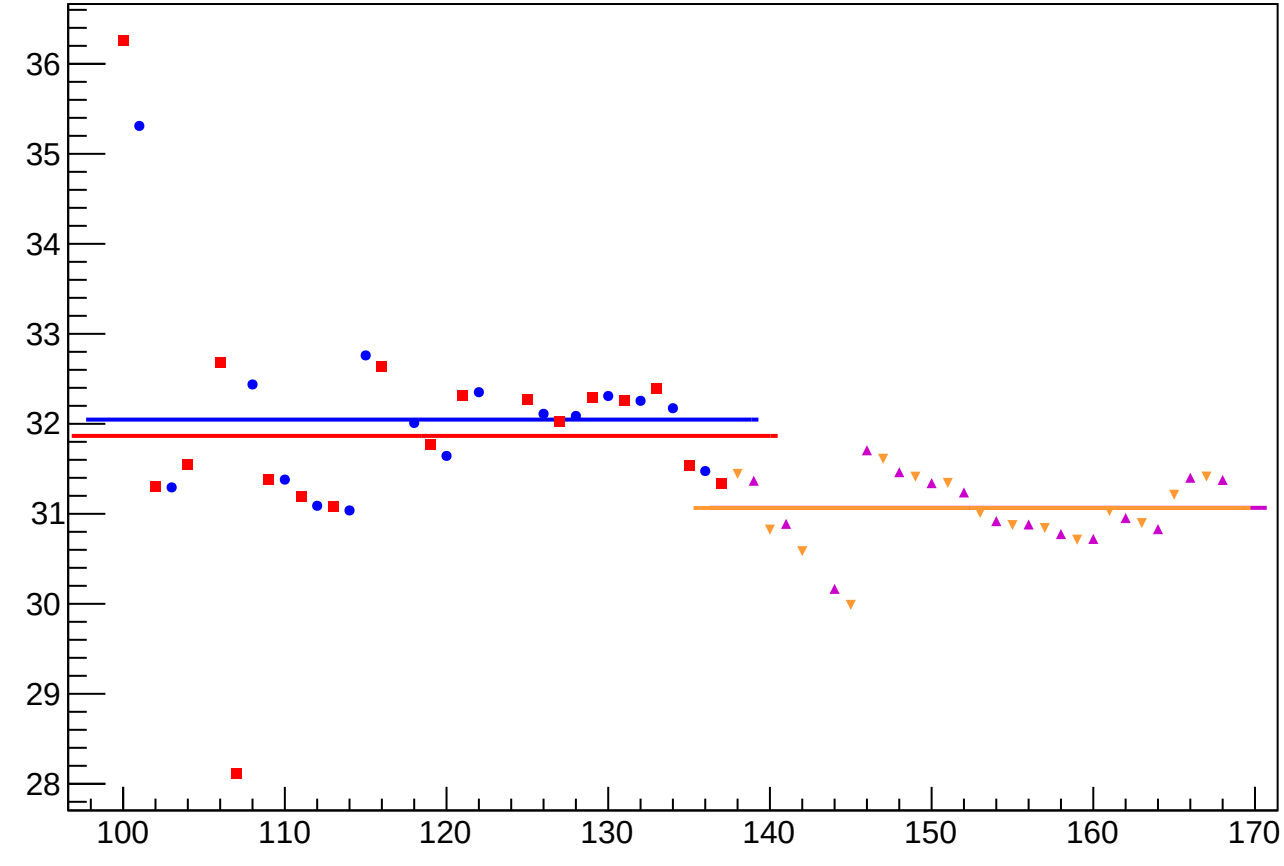
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5444851.2/30

Out: 0.000+/-0.000 χ^2/NDF:3904744.9/32

All: 0.000+/-0.000 χ^2/NDF: 9355298.6/63

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.065+/-0.000 χ^2/NDF:237994866.9/14

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.067+/-0.000 χ^2/NDF:245742490.5/14

Left: 31.066+/-0.000 χ^2/NDF: 483738895.1/29

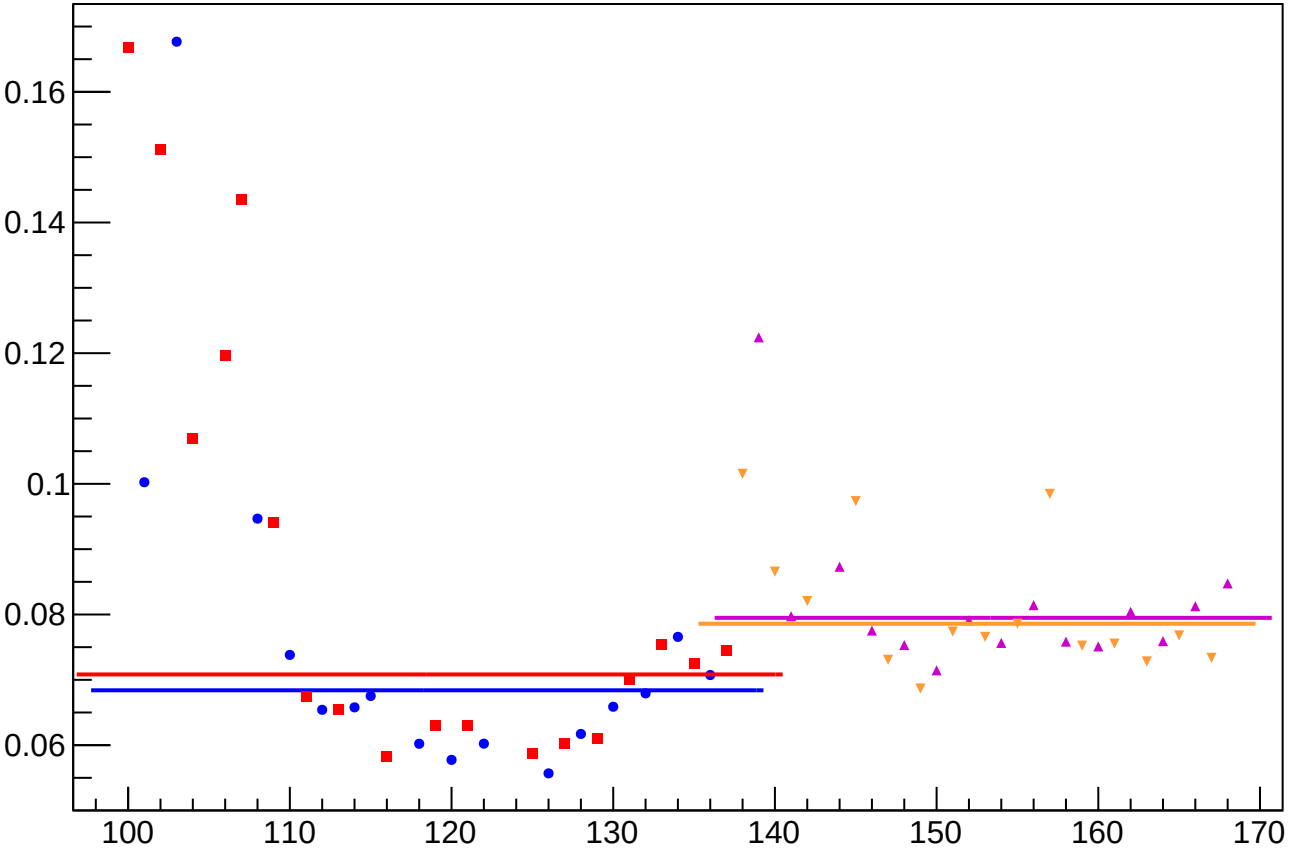
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.491+/-0.000 χ^2/NDF:1873820904.9/30

Out: 31.402+/-0.000 χ^2/NDF:1184450484.5/32

All: 31.448+/-0.000 χ^2/NDF: 3070031361.8/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:263759.8/14

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:256393.8/14

Left: 0.079+/-0.000 χ^2/NDF: 521557.3/29

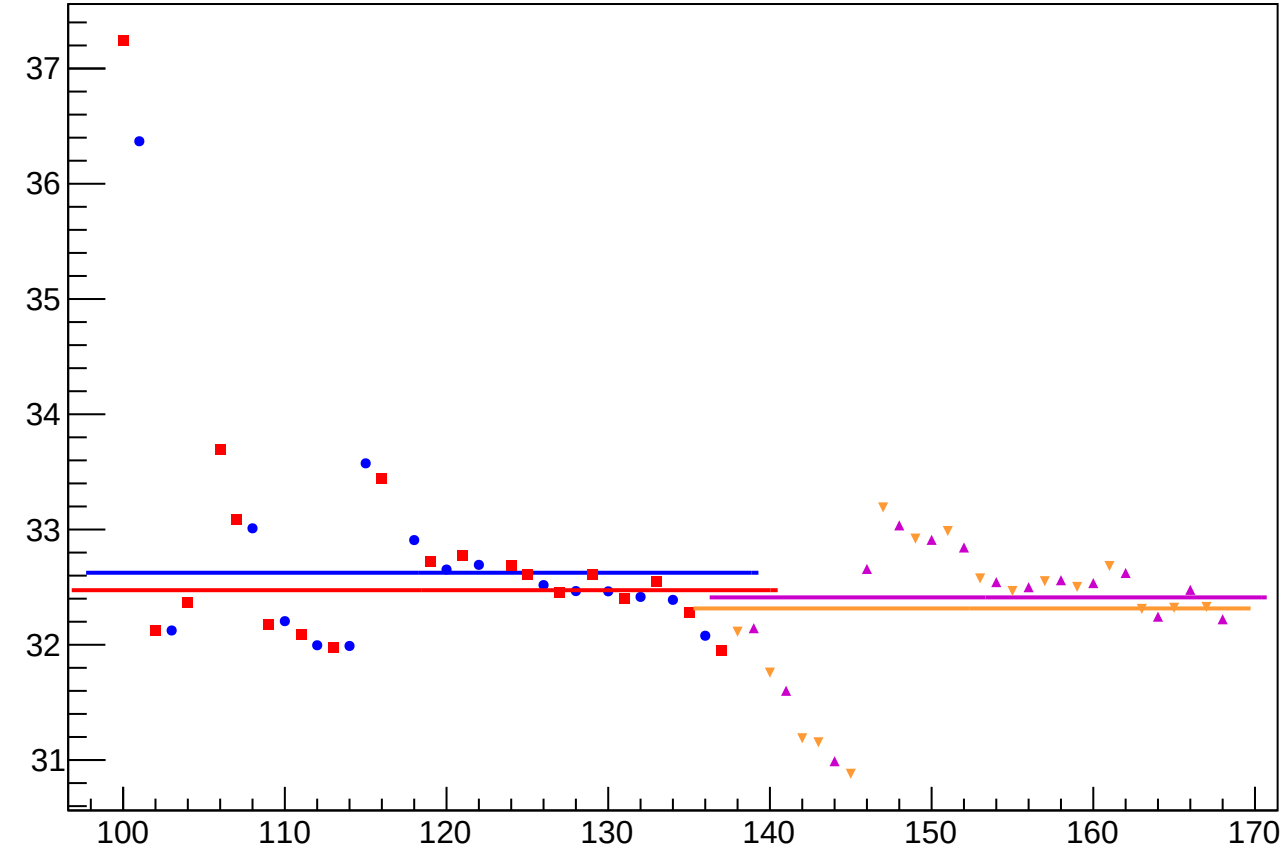
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.075+/-0.000 χ^2/NDF:1146292.2/30

Out: 0.075+/-0.000 χ^2/NDF:1218593.4/32

All: 0.075+/-0.000 χ^2/NDF: 2366073.6/63

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.315+/-0.000 χ^2/NDF:773299205.5/15

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.411+/-0.000 χ^2/NDF:531333712.9/14

Left: 32.362+/-0.000 χ^2/NDF: 1313006634.3/30

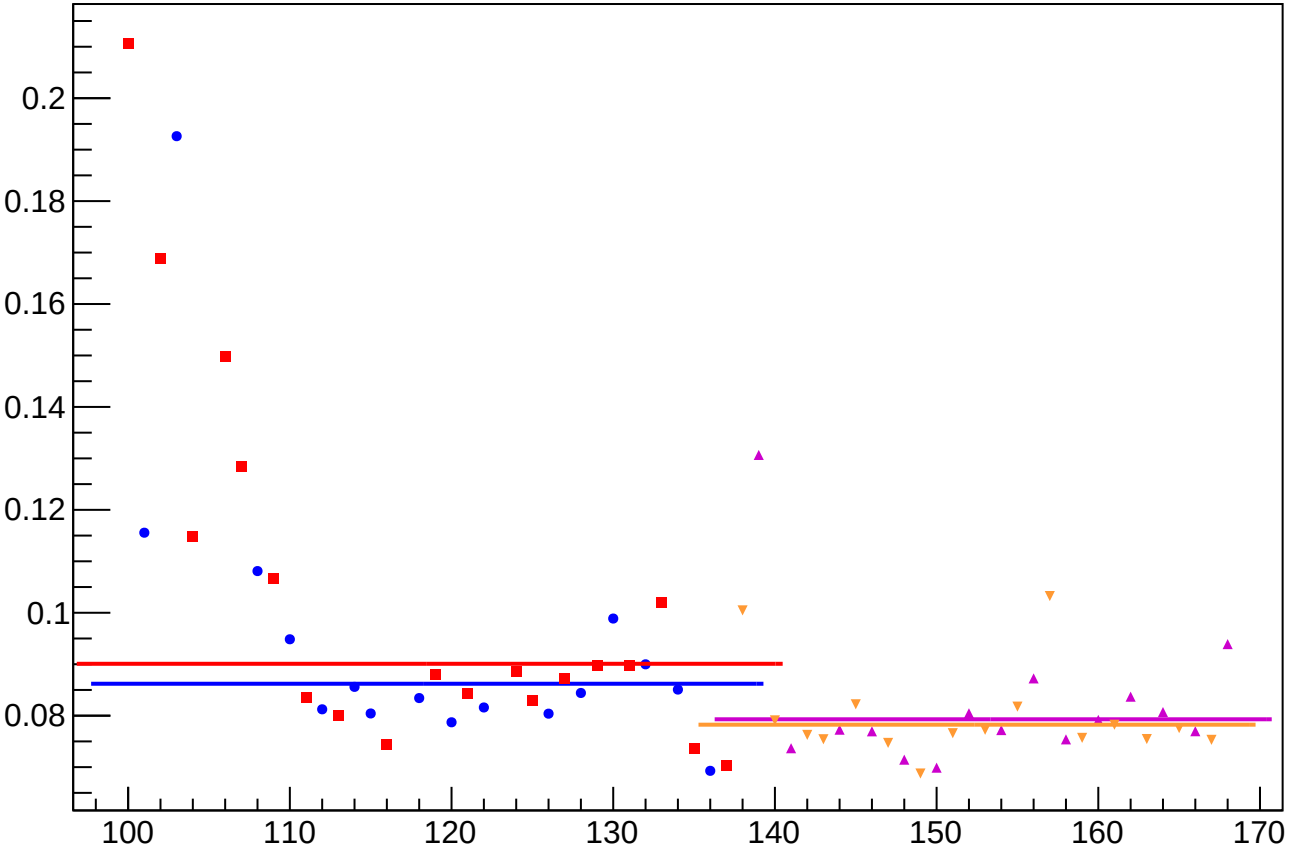
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.480+/-0.000 χ^2/NDF:1296728021.9/30

Out: 32.363+/-0.000 χ^2/NDF:944013354.5/34

All: 32.421+/-0.000 χ^2/NDF: 2258799616.8/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:200193.6/15

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:375791.0/14

Left: 0.079+/-0.000 χ^2/NDF: 577995.6/30

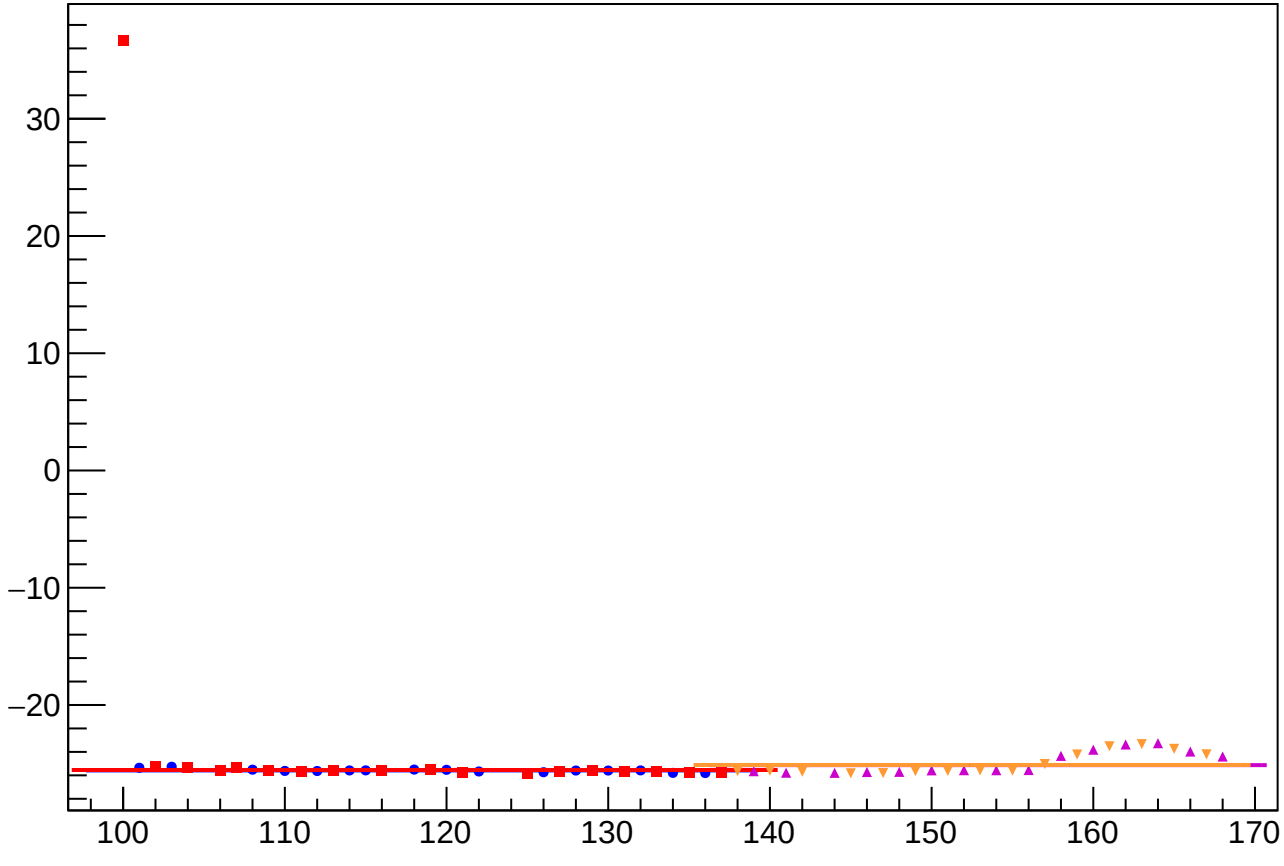
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.082+/-0.000 χ^2/NDF:1029267.1/30

Out: 0.082+/-0.000 χ^2/NDF:977781.3/34

All: 0.082+/-0.000 χ^2/NDF: 2007263.1/65

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.116+/-0.000 χ^2/NDF:4085394596.8/14

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.129+/-0.000 χ^2/NDF:4407038097.8/14

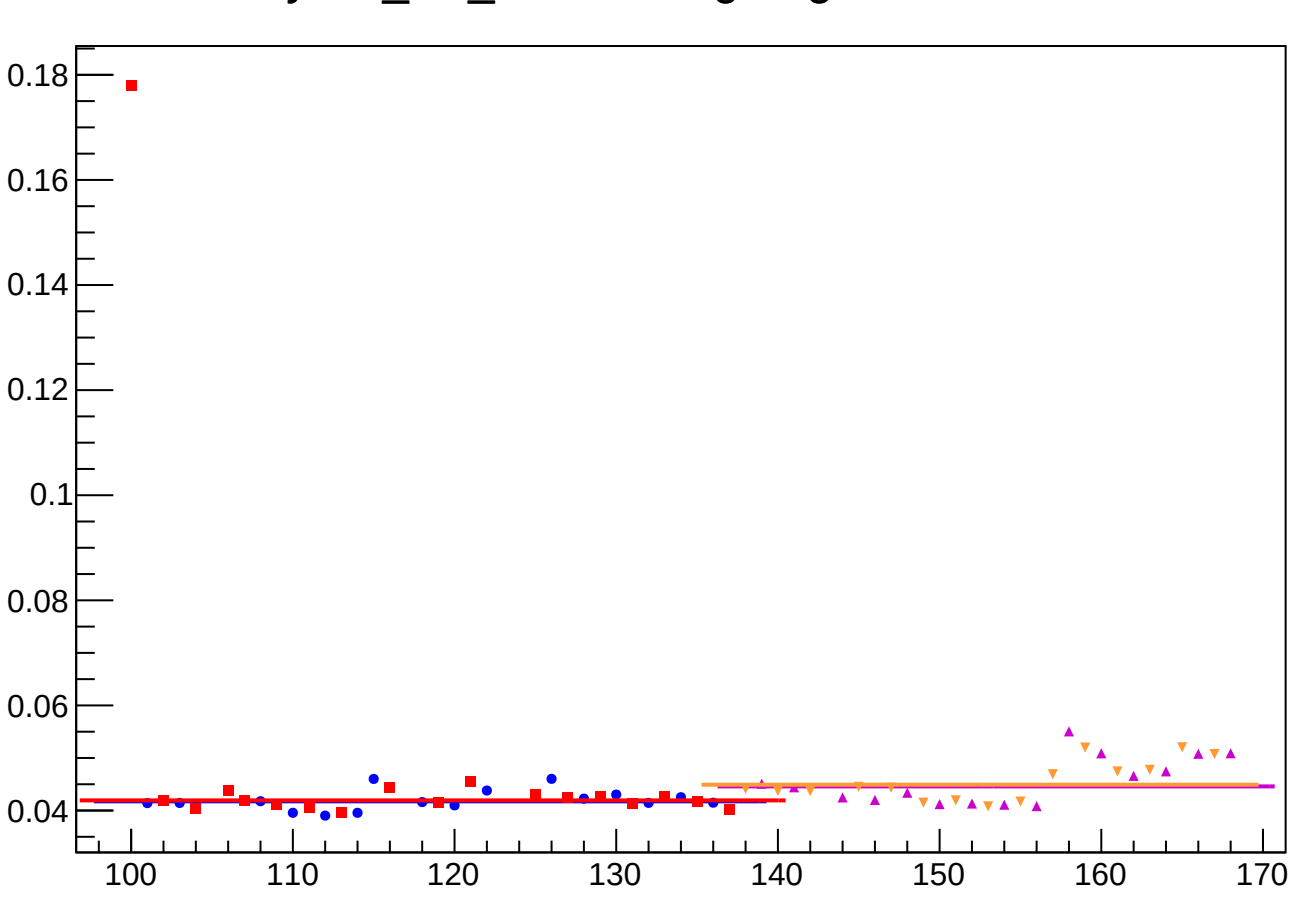
Left: -25.123+/-0.000 χ^2/NDF: 8492945562.3/29

Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.311+/-0.000 χ^2/NDF:5000662291.4/30

Out: -25.296+/-0.000 χ^2/NDF:13429671783.4/32

All: -25.303+/-0.000 χ^2/NDF: 18431503647.0



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:134963.5/14

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:197098.1/14

Left: 0.045+/-0.000 χ^2/NDF: 332676.7/29

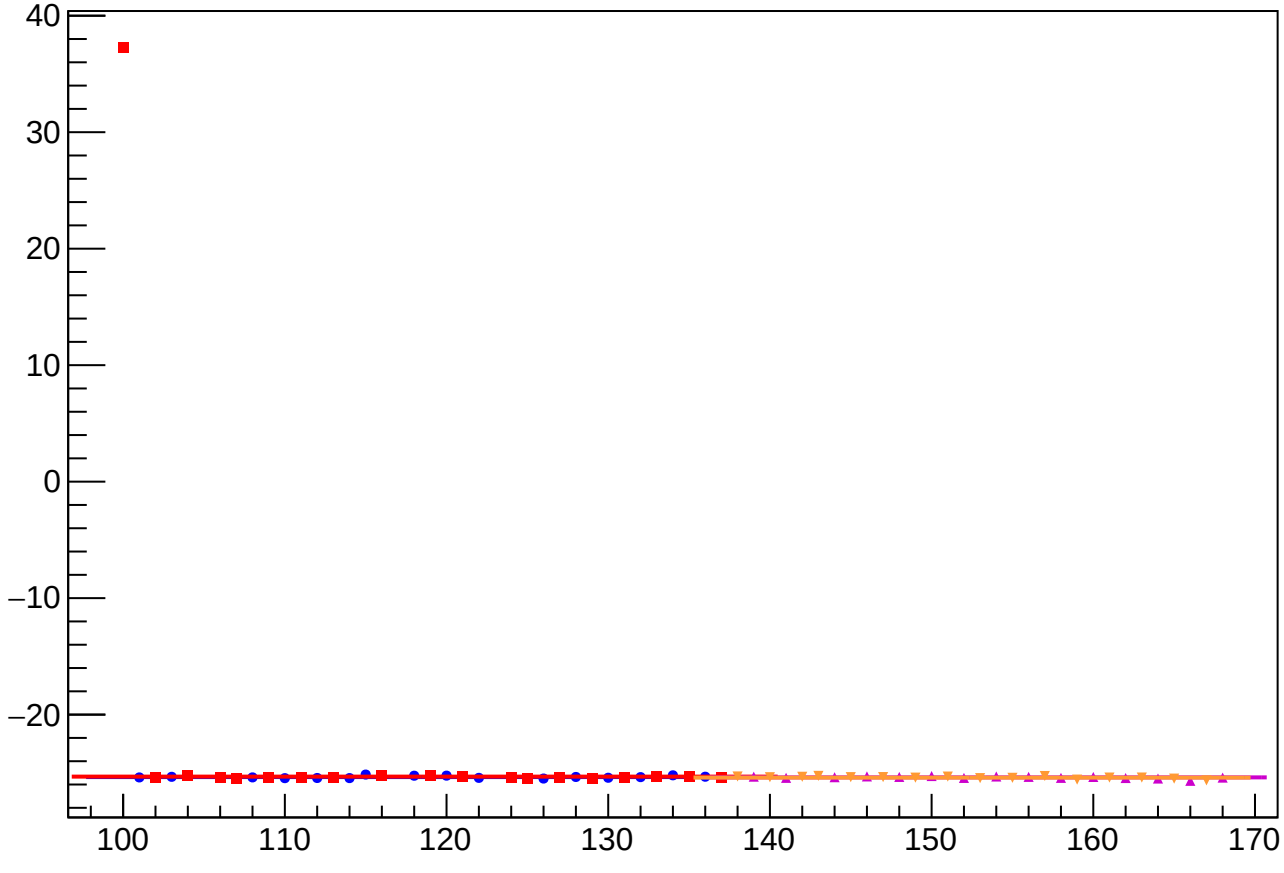
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:257432.9/30

Out: 0.044+/-0.000 χ^2/NDF:277713.8/32

All: 0.044+/-0.000 χ^2/NDF: 535622.0/63

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.406+/-0.000 χ^2/NDF:42197297.5/15

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.388+/-0.000 χ^2/NDF:32344908.9/14

Left: -25.397+/-0.000 χ^2/NDF: 75203101.4/30

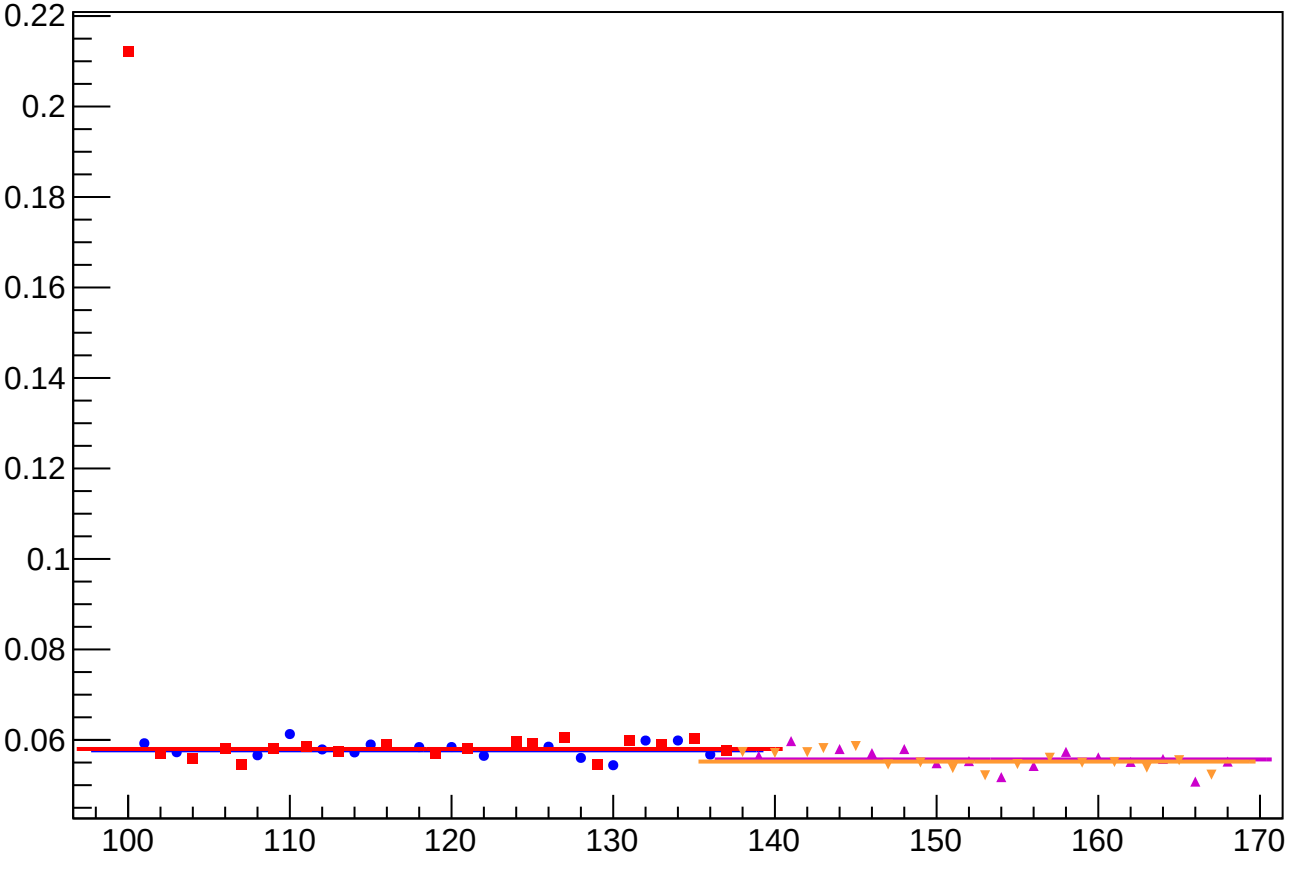
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.378+/-0.000 χ^2/NDF:46653386.5/30

Out: -25.377+/-0.000 χ^2/NDF:6366955005.6/34

All: -25.377+/-0.000 χ^2/NDF: 6413613975.7/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:27567.8/15

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:37821.3/14

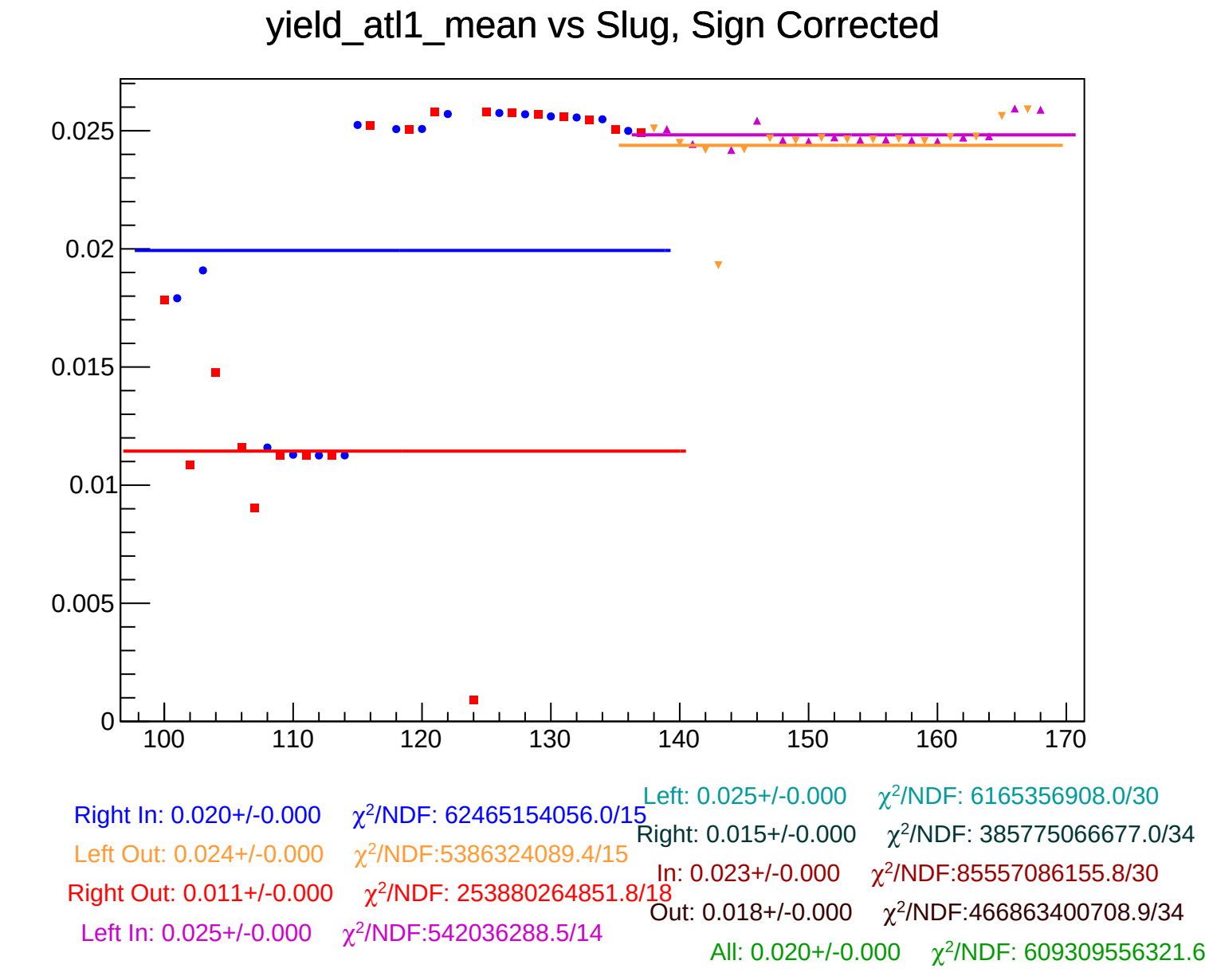
Left: 0.055+/-0.000 χ^2/NDF: 66250.3/30

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

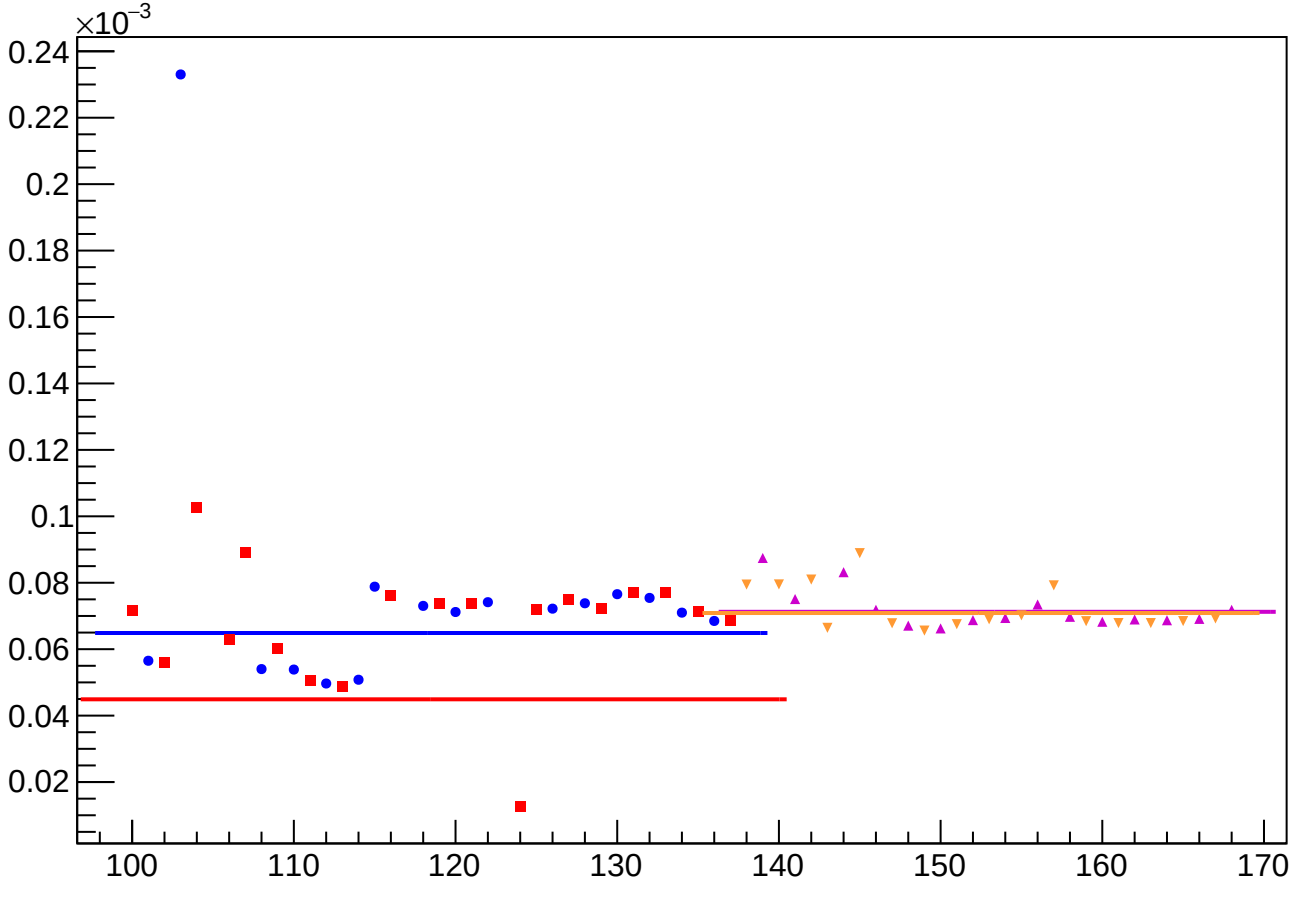
In: 0.056+/-0.000 χ^2/NDF:60609.1/30

Out: 0.056+/-0.000 χ^2/NDF:137822.1/34

All: 0.056+/-0.000 χ^2/NDF: 198687.4/65


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.024+/-0.000 χ²/NDF:5386324089.4/15
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:542036288.5/14
Left: 0.025+/-0.000 χ²/NDF: 6165356908.0/30
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:85557086155.8/30
Out: 0.018+/-0.000 χ²/NDF:466863400708.9/34
All: 0.020+/-0.000 χ²/NDF: 609309556321.6

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:168264.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:125672.0/14

Left: 0.000+/-0.000 χ^2/NDF: 294252.7/30

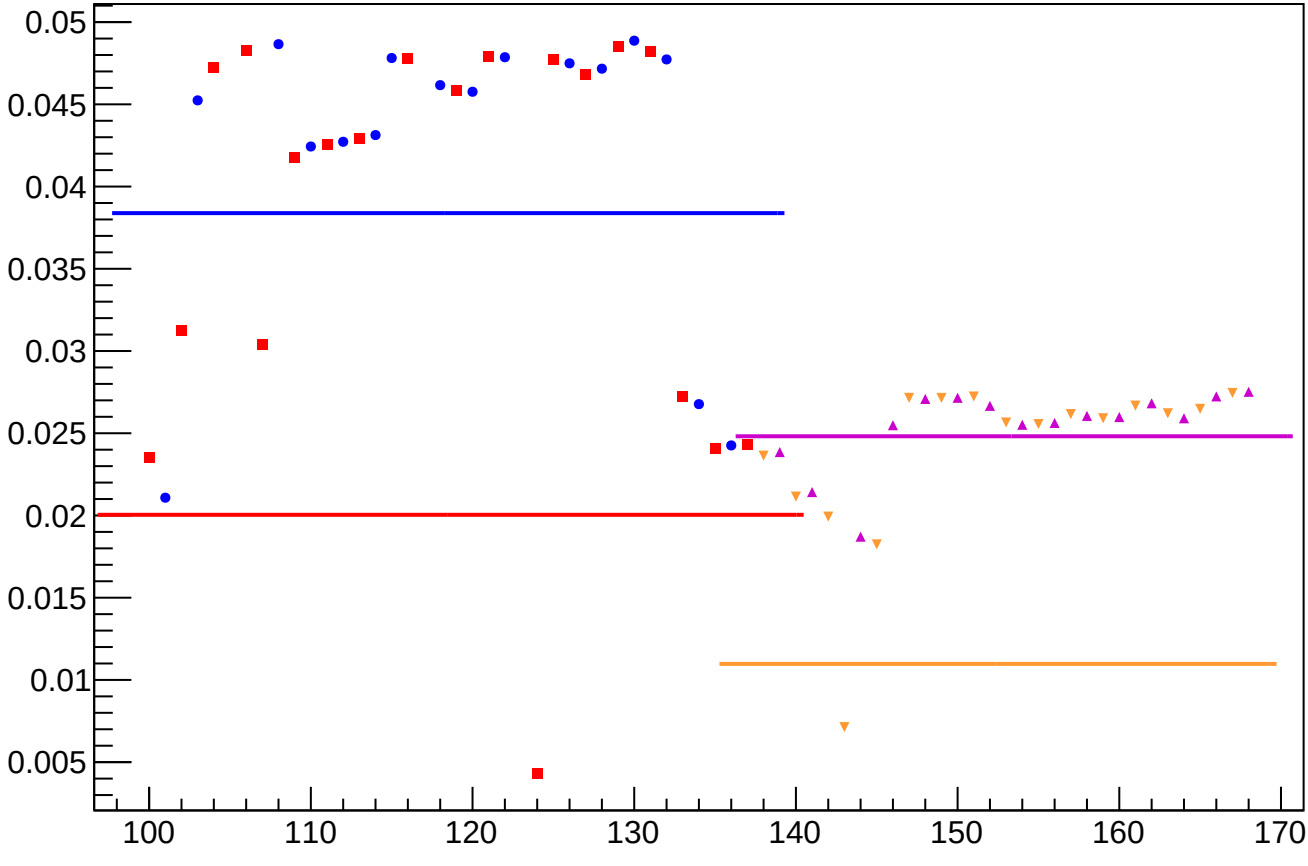
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1019168.6/30

Out: 0.000+/-0.000 χ^2/NDF:5612044.9/34

All: 0.000+/-0.000 χ^2/NDF: 7167587.3/65

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:30588269269.2/15

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:1010470650.2/14

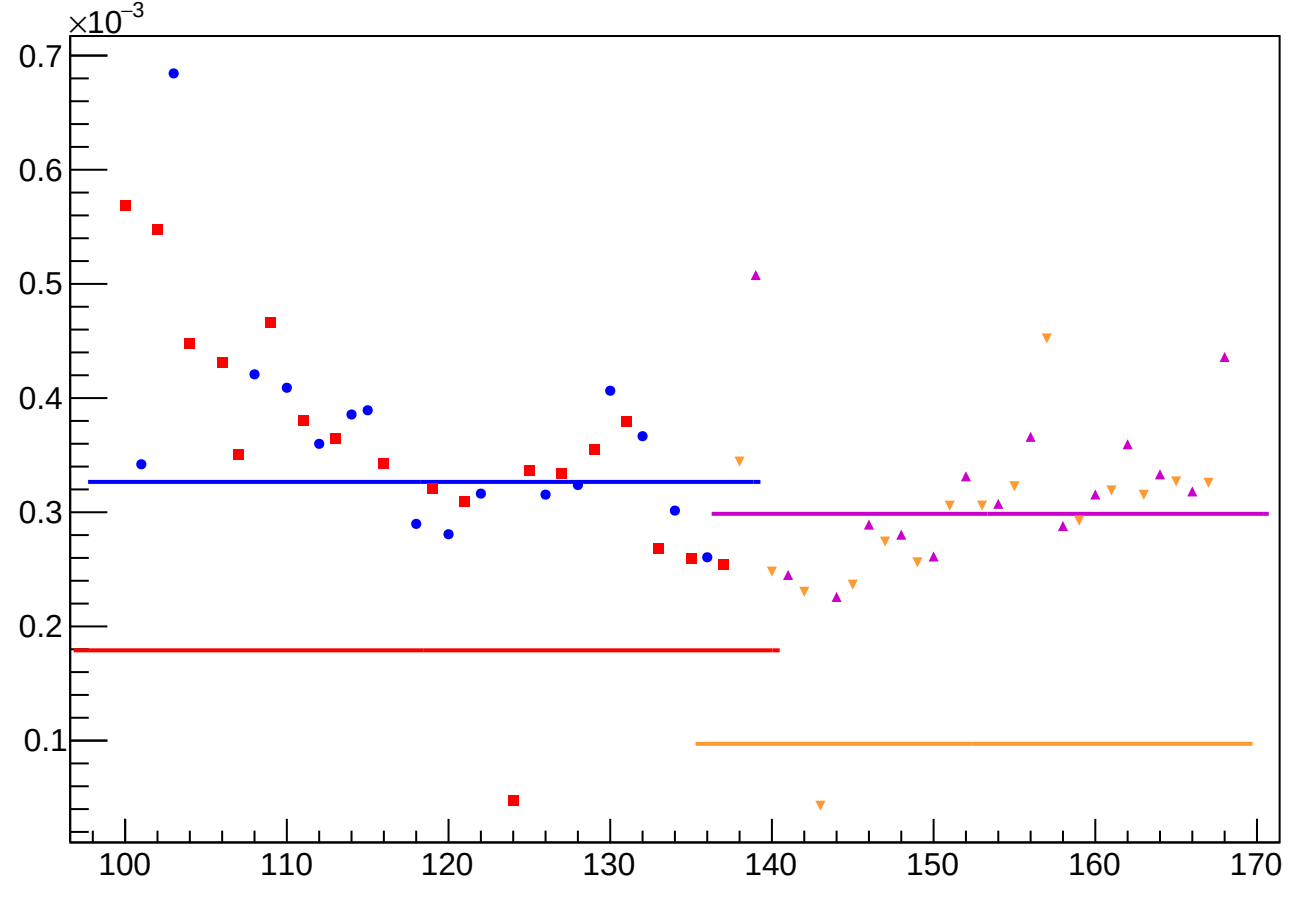
Left: 0.013+/-0.000 χ^2/NDF: 50785814243.4/30

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.029+/-0.000 χ^2/NDF:15429774234.5/30

Out: 0.013+/-0.000 χ^2/NDF:81002428539.6/34

All: 0.016+/-0.000 χ^2/NDF: 136077345997.0



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12190716.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:845252.7/14

Left: 0.000+/-0.000 χ^2/NDF: 21162487.2/30

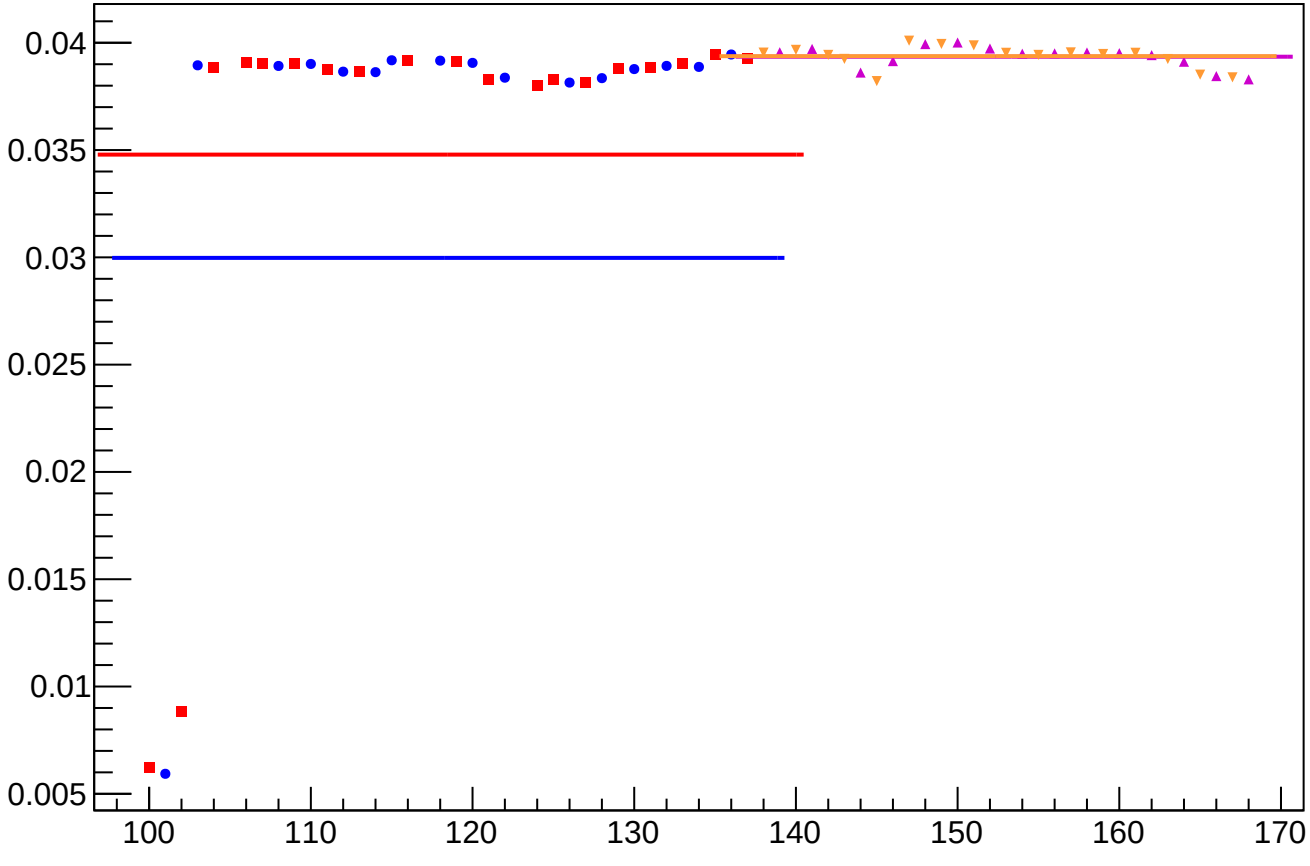
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1489064.4/30

Out: 0.000+/-0.000 χ^2/NDF:19193699.0/34

All: 0.000+/-0.000 χ^2/NDF: 31661511.4/65

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:187794641.7/15

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:172447071.0/14

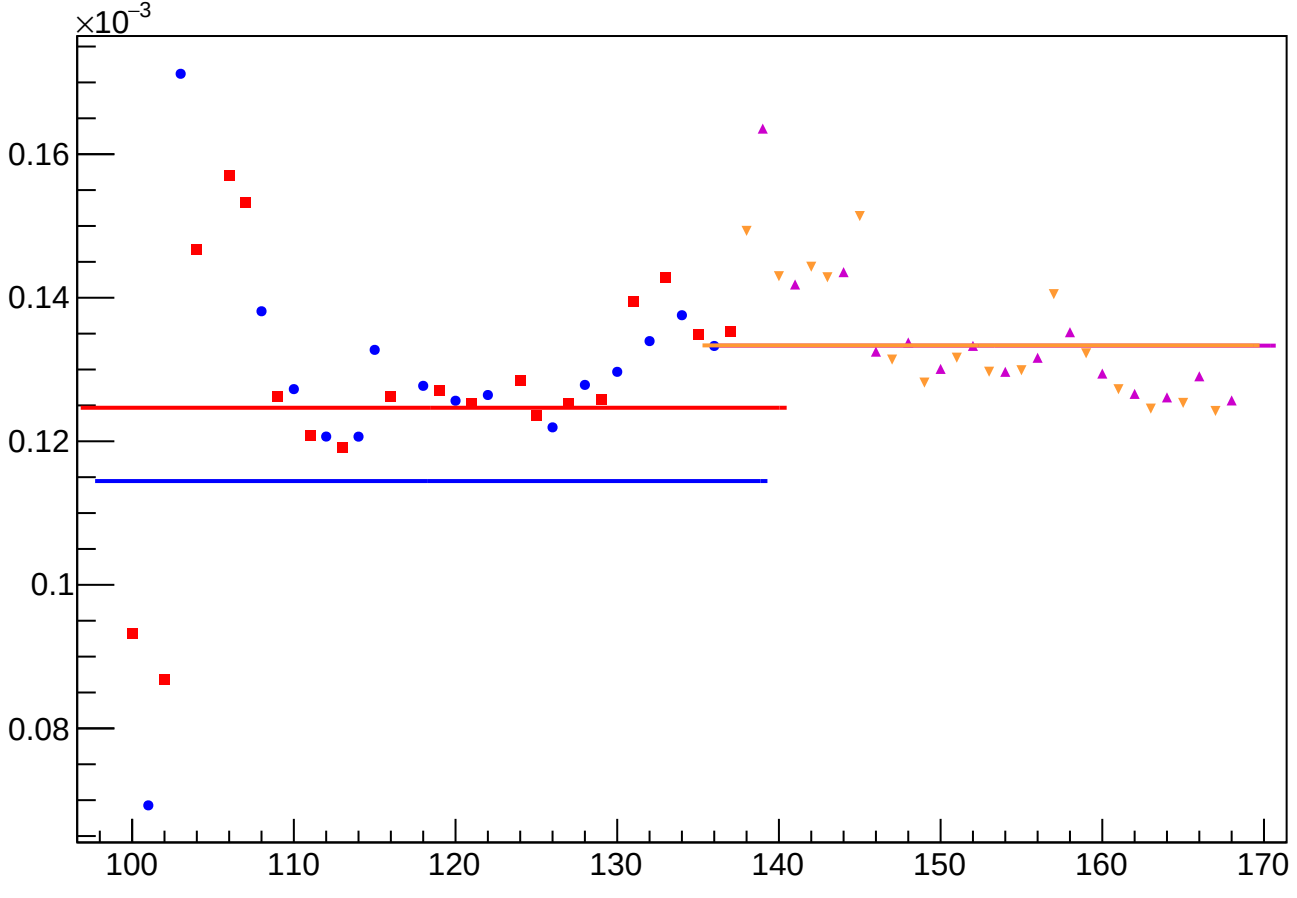
Left: 0.039+/-0.000 χ^2/NDF: 360455224.6/30

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:133952185666.6/30

Out: 0.038+/-0.000 χ^2/NDF:53146118225.5/34

All: 0.036+/-0.000 χ^2/NDF: 189989676745.4



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:93793.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:91764.1/14

Left: 0.000+/-0.000 χ^2/NDF: 185558.2/30

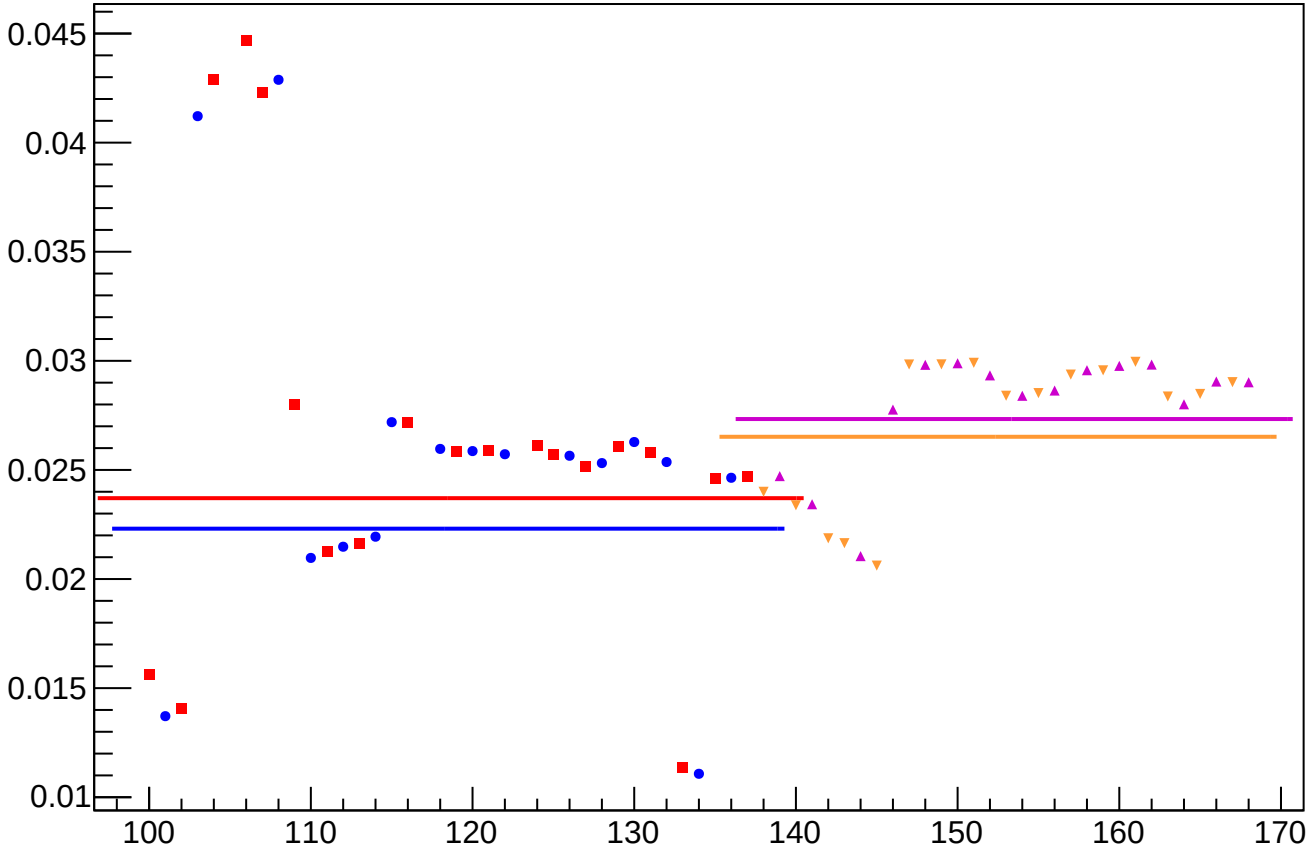
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1151517.2/30

Out: 0.000+/-0.000 χ^2/NDF:395044.3/34

All: 0.000+/-0.000 χ^2/NDF: 1572090.3/65

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1847929462.2/15

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1275335091.3/14

Left: 0.027+/-0.000 χ^2/NDF: 3168054283.1/30

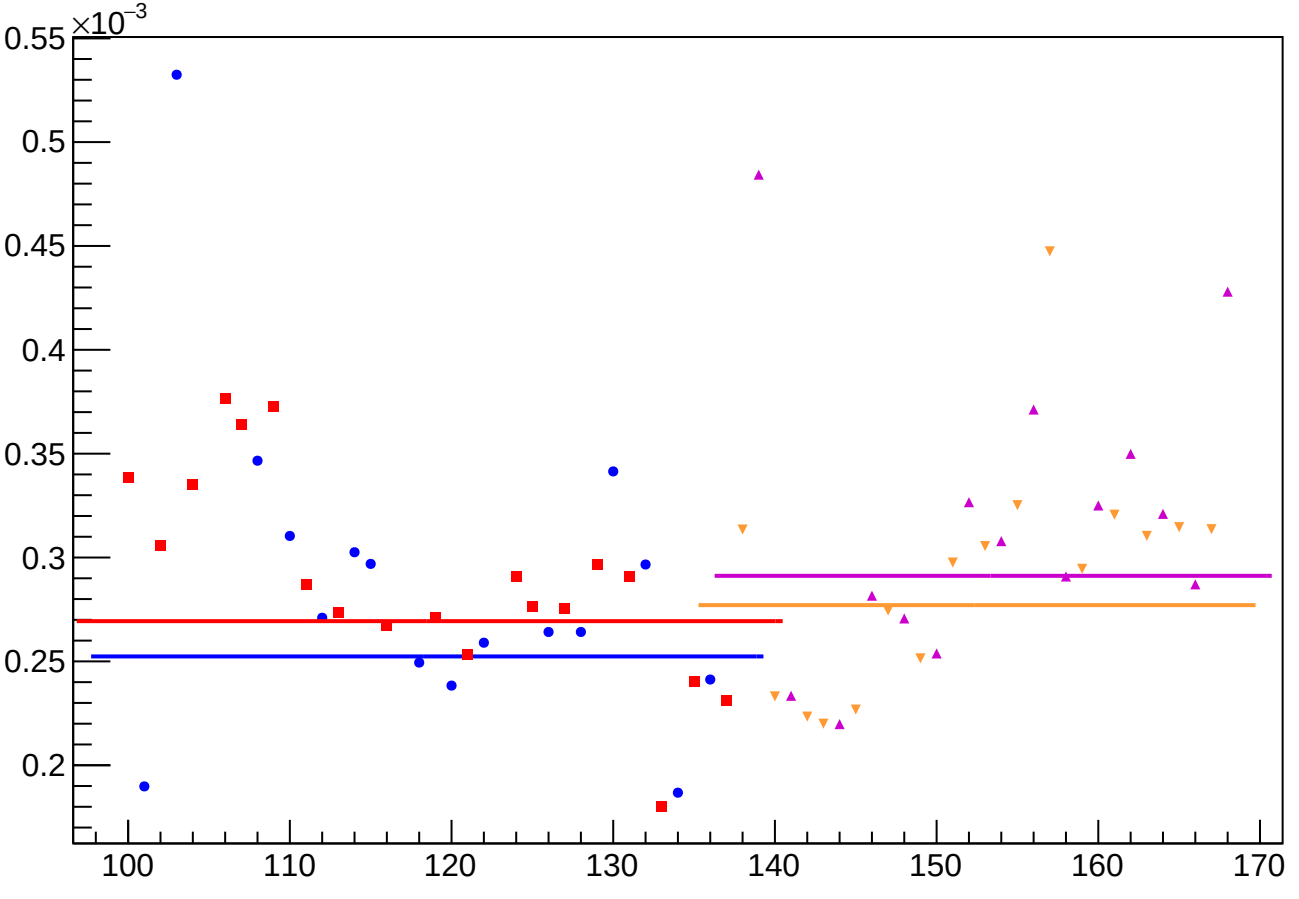
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7695487645.2/30

Out: 0.025+/-0.000 χ^2/NDF:7864293900.5/34

All: 0.025+/-0.000 χ^2/NDF: 15568465748.6/6

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:619361.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:896634.1/14

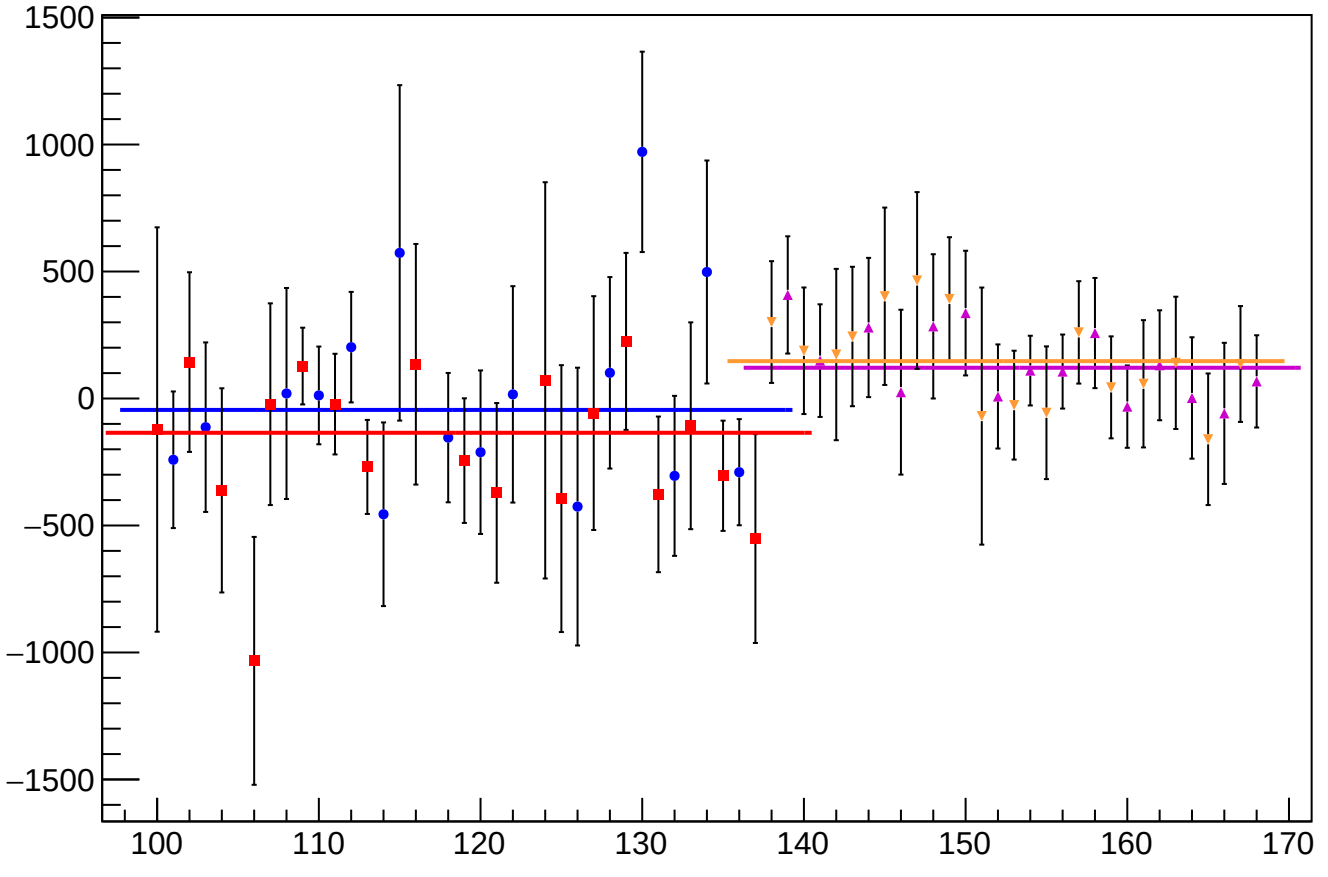
Left: 0.000+/-0.000 χ^2/NDF: 1542988.3/30

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1772419.4/30

Out: 0.000+/-0.000 χ^2/NDF:1072241.2/34

All: 0.000+/-0.000 χ^2/NDF: 2844683.3/65



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 147.177+/-64.090 χ^2/NDF:6.5/15

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 121.069+/-52.981 χ^2/NDF:5.4/14

Left: 131.668+/-40.835 χ^2/NDF: 12.1/30

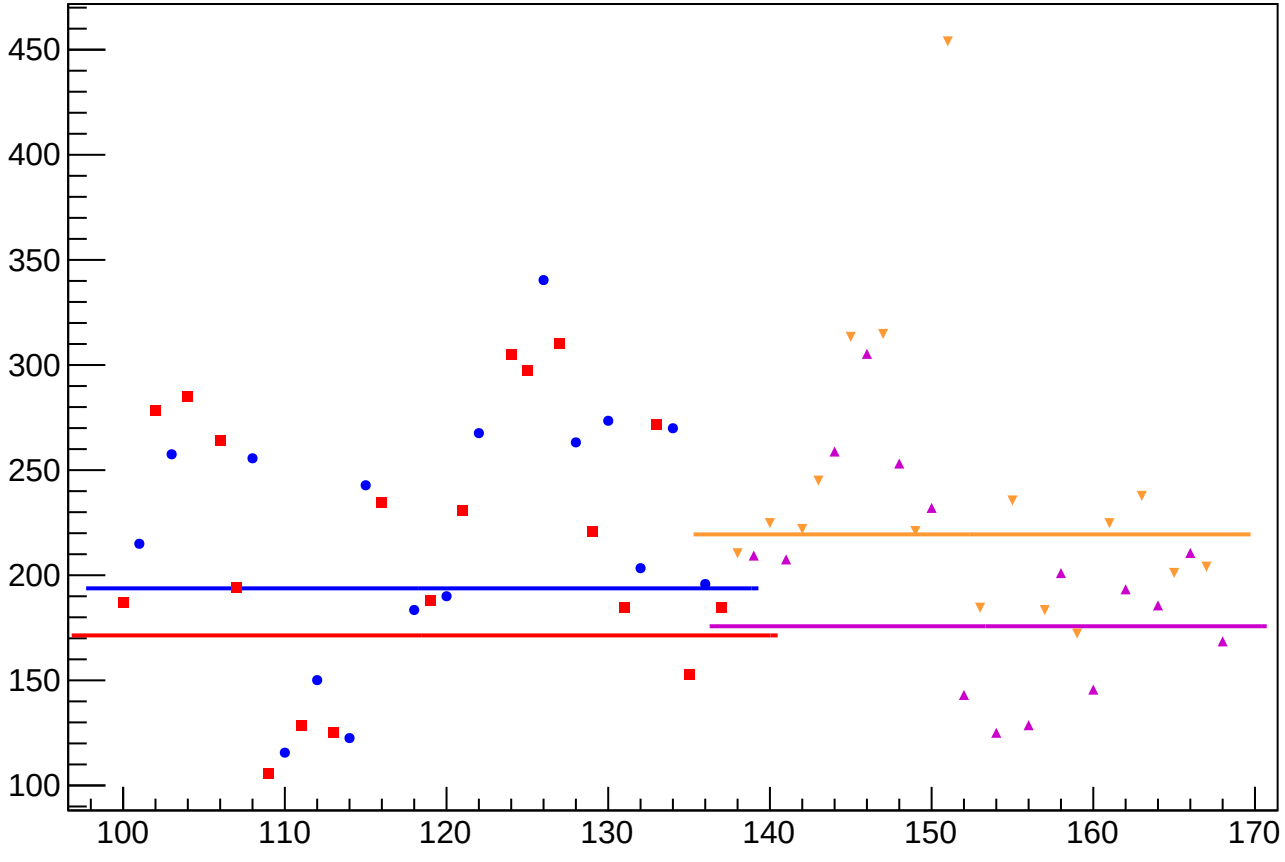
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 66.976+/-43.499 χ^2/NDF:24.1/30

Out: 14.565+/-46.659 χ^2/NDF:28.5/34

All: 42.605+/-31.817 χ^2/NDF: 53.3/65

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: 219.432+/-0.045 χ^2/NDF:1010241.1/15

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 175.739+/-0.037 χ^2/NDF:1519379.2/14

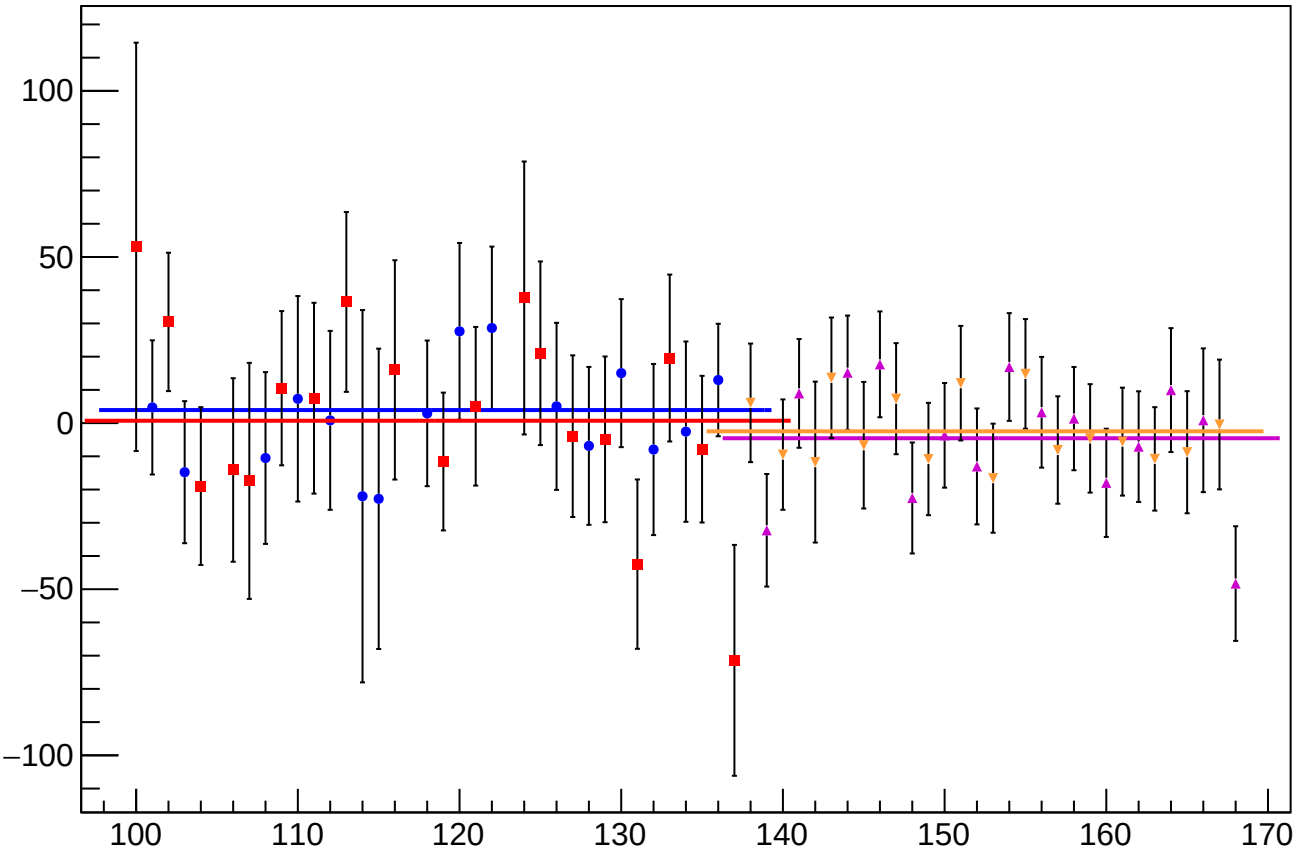
Left: 193.476+/-0.029 χ^2/NDF: 3081807.2/30

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 181.615+/-0.031 χ^2/NDF:2642947.2/30

Out: 196.850+/-0.033 χ^2/NDF:3196651.8/34

All: 188.699+/-0.022 χ^2/NDF: 5953678.2/65



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.468+/-4.337 χ^2/NDF:5.1/15

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -4.554+/-4.355 χ^2/NDF:17.9/14

Left: -3.506+/-3.073 χ^2/NDF: 23.2/30

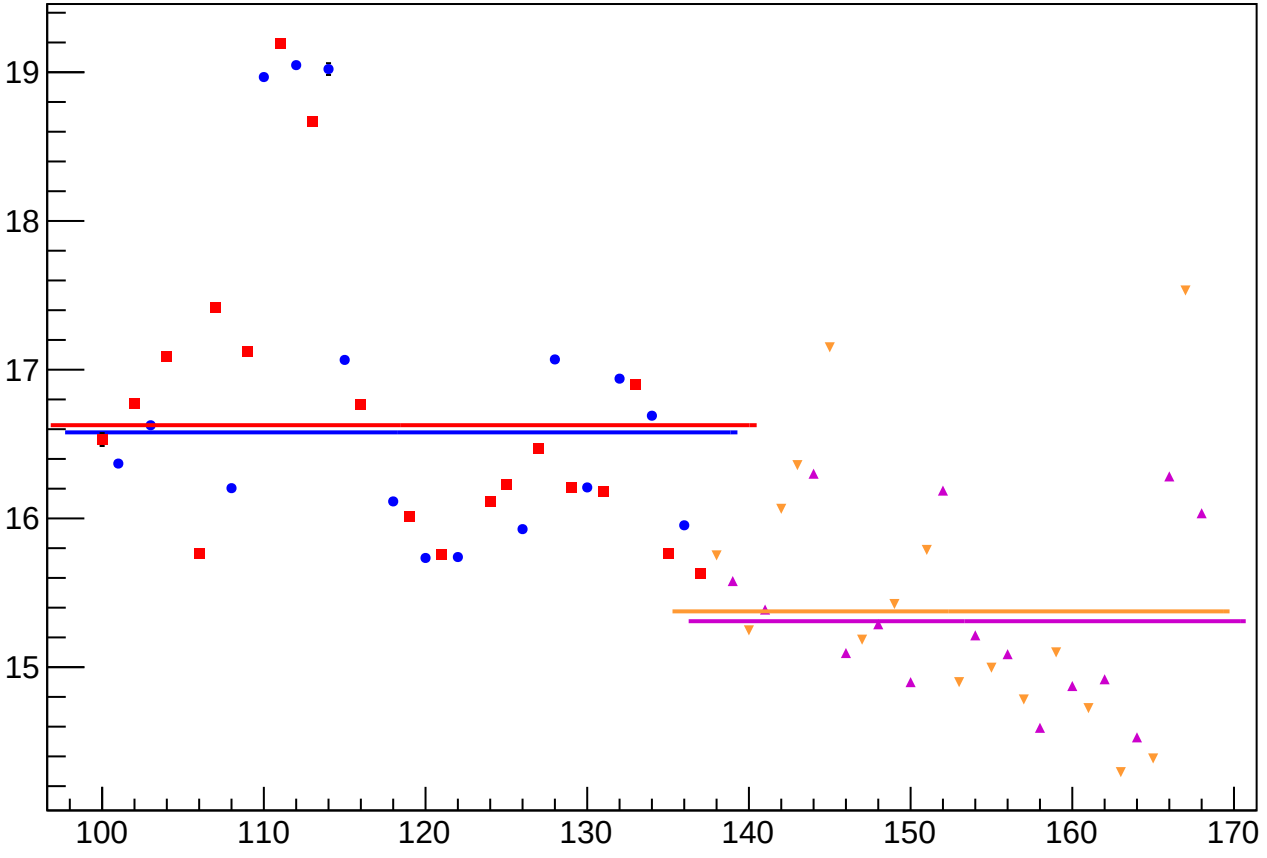
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.736+/-3.558 χ^2/NDF:23.7/30

Out: -1.394+/-3.530 χ^2/NDF:21.2/34

All: -1.564+/-2.506 χ^2/NDF: 44.9/65

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: 15.375+/-0.003 χ^2/NDF:76339.5/15

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.309+/-0.003 χ^2/NDF:32283.2/14

Left: 15.342+/-0.002 χ^2/NDF: 108853.9/30

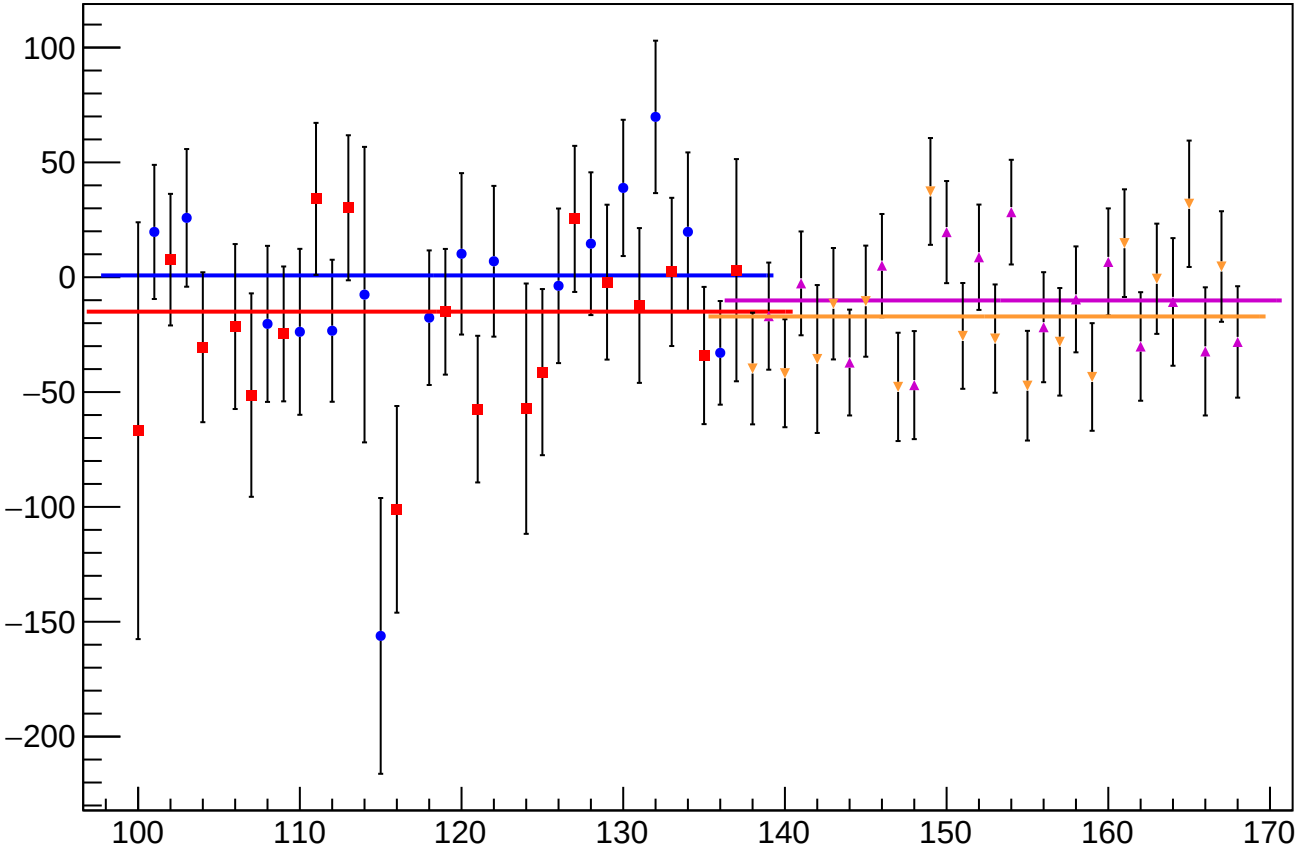
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.731+/-0.003 χ^2/NDF:133363.5/30

Out: 15.797+/-0.002 χ^2/NDF:176035.4/34

All: 15.765+/-0.002 χ^2/NDF: 309750.4/65

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: -17.082+/-6.063 χ^2/NDF:19.3/15

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -10.108+/-6.103 χ^2/NDF:12.5/14

Left: -13.618+/-4.301 χ^2/NDF: 32.4/30

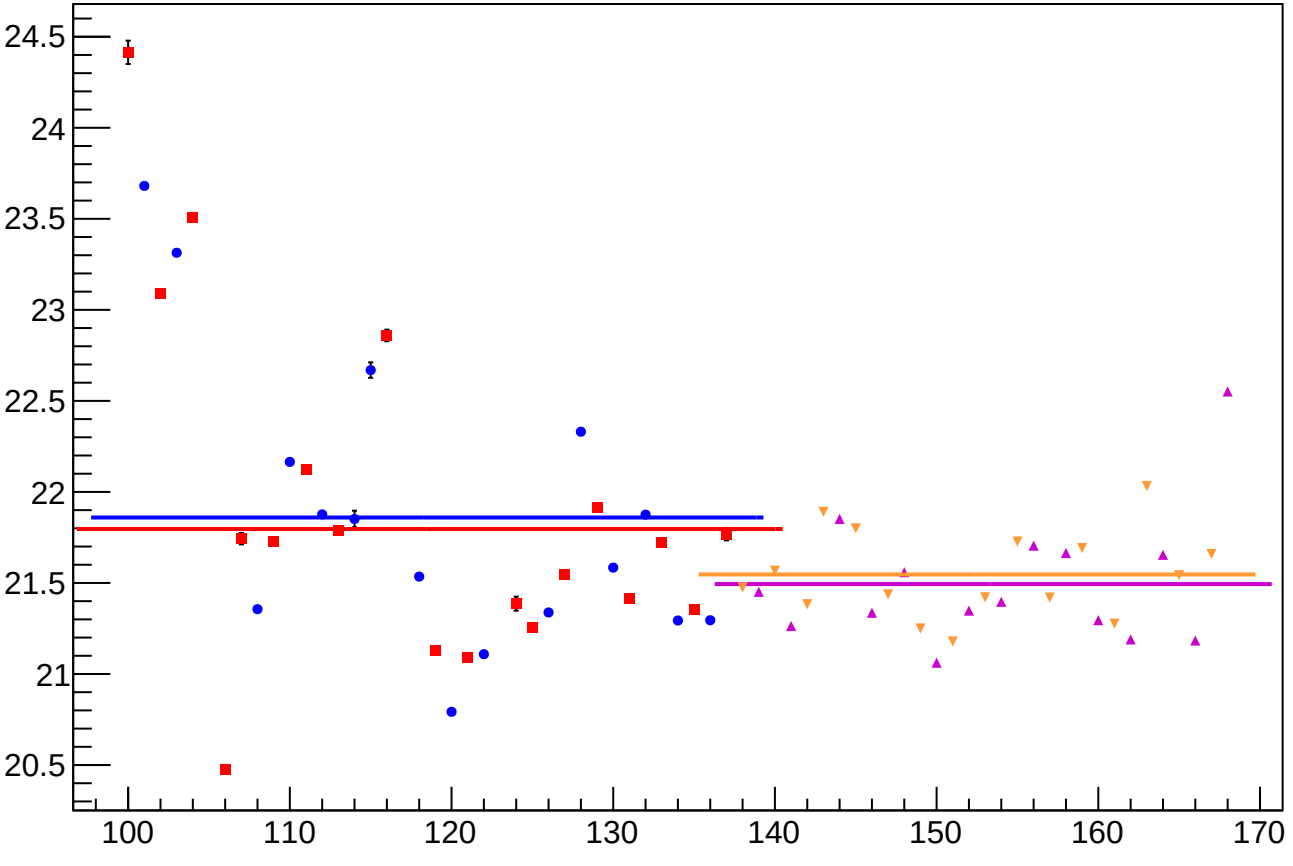
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -6.177+/-4.879 χ^2/NDF:32.3/30

Out: -16.310+/-4.822 χ^2/NDF:34.7/34

All: -11.304+/-3.430 χ^2/NDF: 69.2/65

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: 21.547+/-0.004 χ^2/NDF:3004.4/15

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.494+/-0.004 χ^2/NDF:6540.5/14

Left: 21.521+/-0.003 χ^2/NDF: 9620.2/30

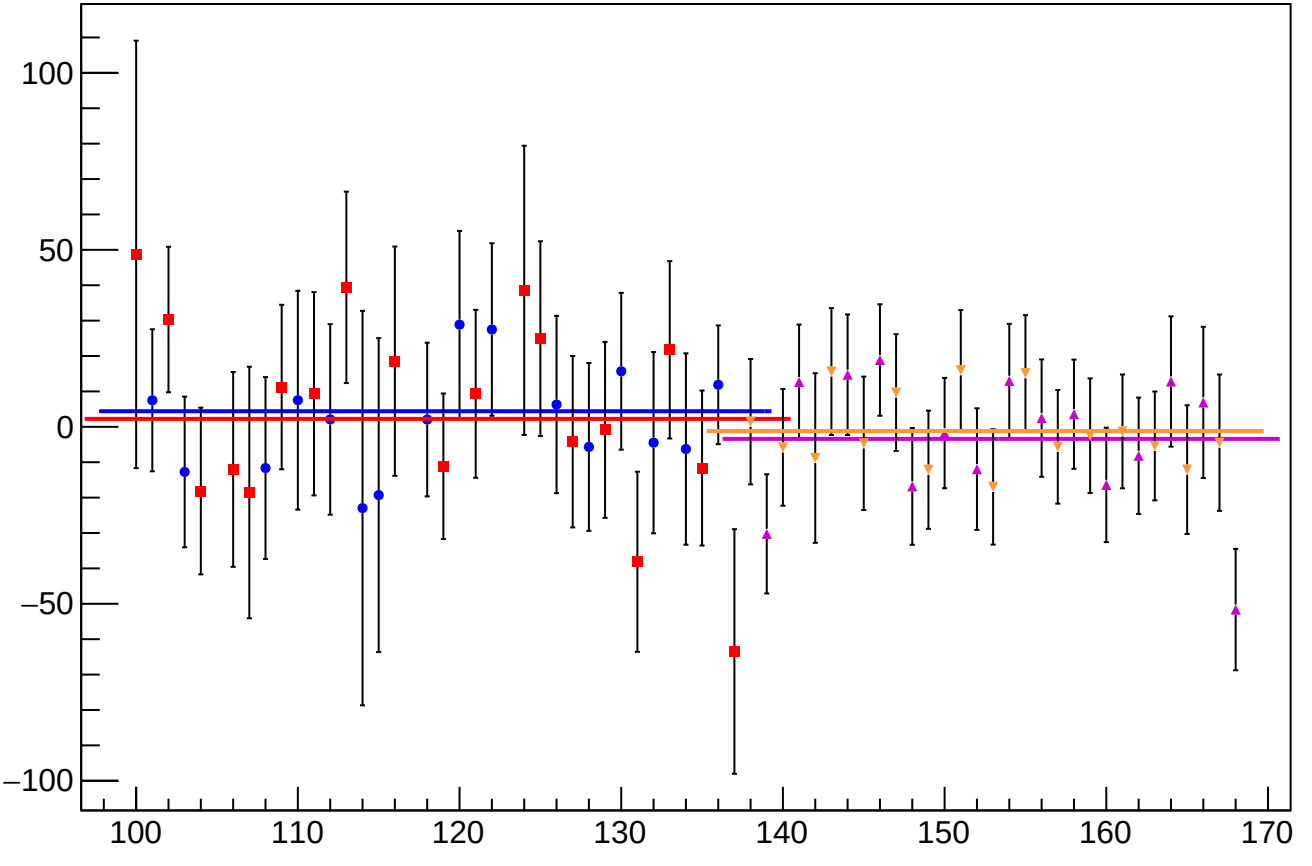
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.626+/-0.003 χ^2/NDF:28597.7/30

Out: 21.638+/-0.003 χ^2/NDF:23110.7/34

All: 21.632+/-0.002 χ^2/NDF: 51715.2/65

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.196+/-4.294 χ^2/NDF:5.5/15

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -3.407+/-4.313 χ^2/NDF:18.6/14

Left: -2.297+/-3.043 χ^2/NDF: 24.2/30

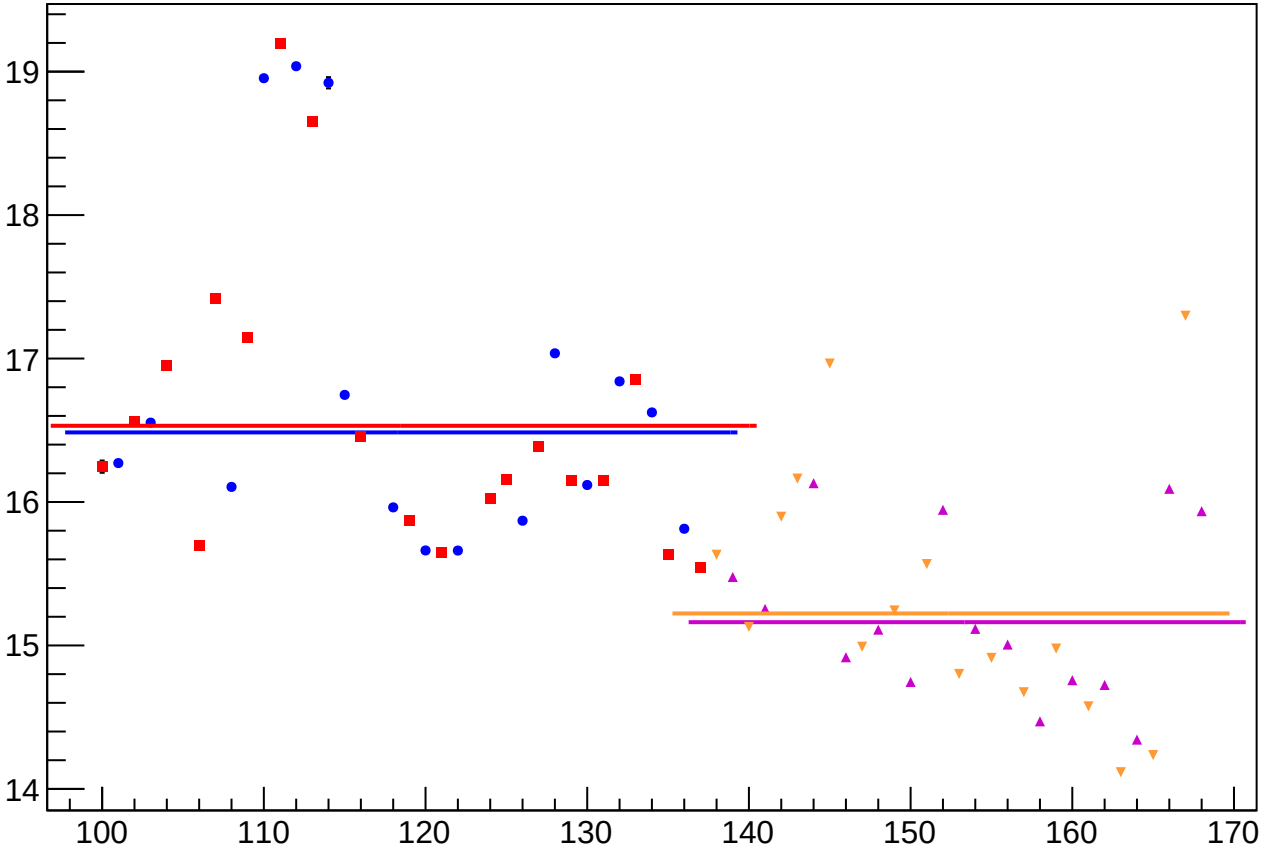
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -0.824+/-3.529 χ^2/NDF:24.0/30

Out: -0.042+/-3.500 χ^2/NDF:21.1/34

All: -0.430+/-2.485 χ^2/NDF: 45.1/65

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: 15.223+/-0.003 χ^2/NDF:74092.5/15

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.162+/-0.003 χ^2/NDF:32026.6/14

Left: 15.193+/-0.002 χ^2/NDF: 106318.4/30

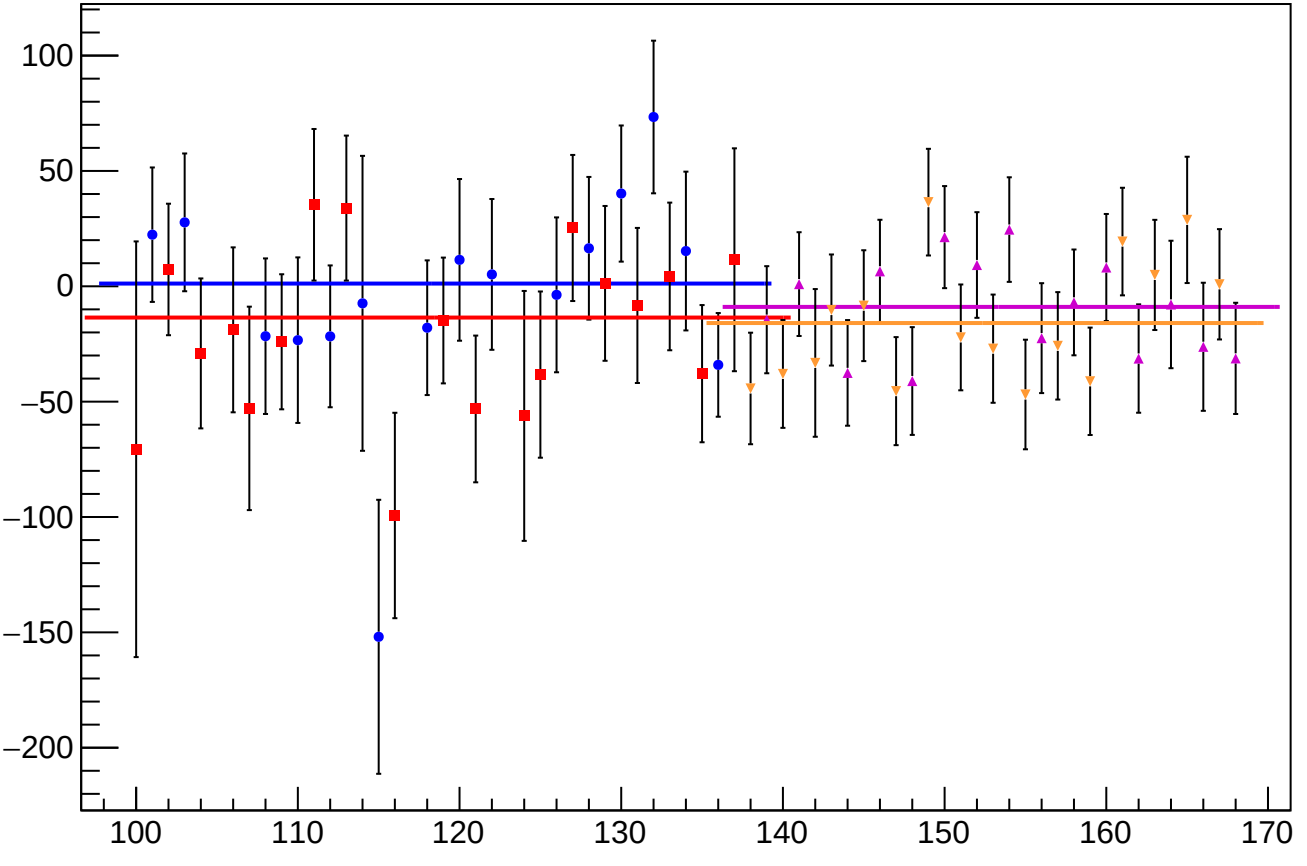
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.600+/-0.002 χ^2/NDF:141413.7/30

Out: 15.662+/-0.002 χ^2/NDF:182869.3/34

All: 15.631+/-0.002 χ^2/NDF: 324597.7/65

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: -15.925+/-6.027 χ^2/NDF:19.0/15

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -8.932+/-6.070 χ^2/NDF:11.9/14

Left: -12.453+/-4.277 χ^2/NDF: 31.6/30

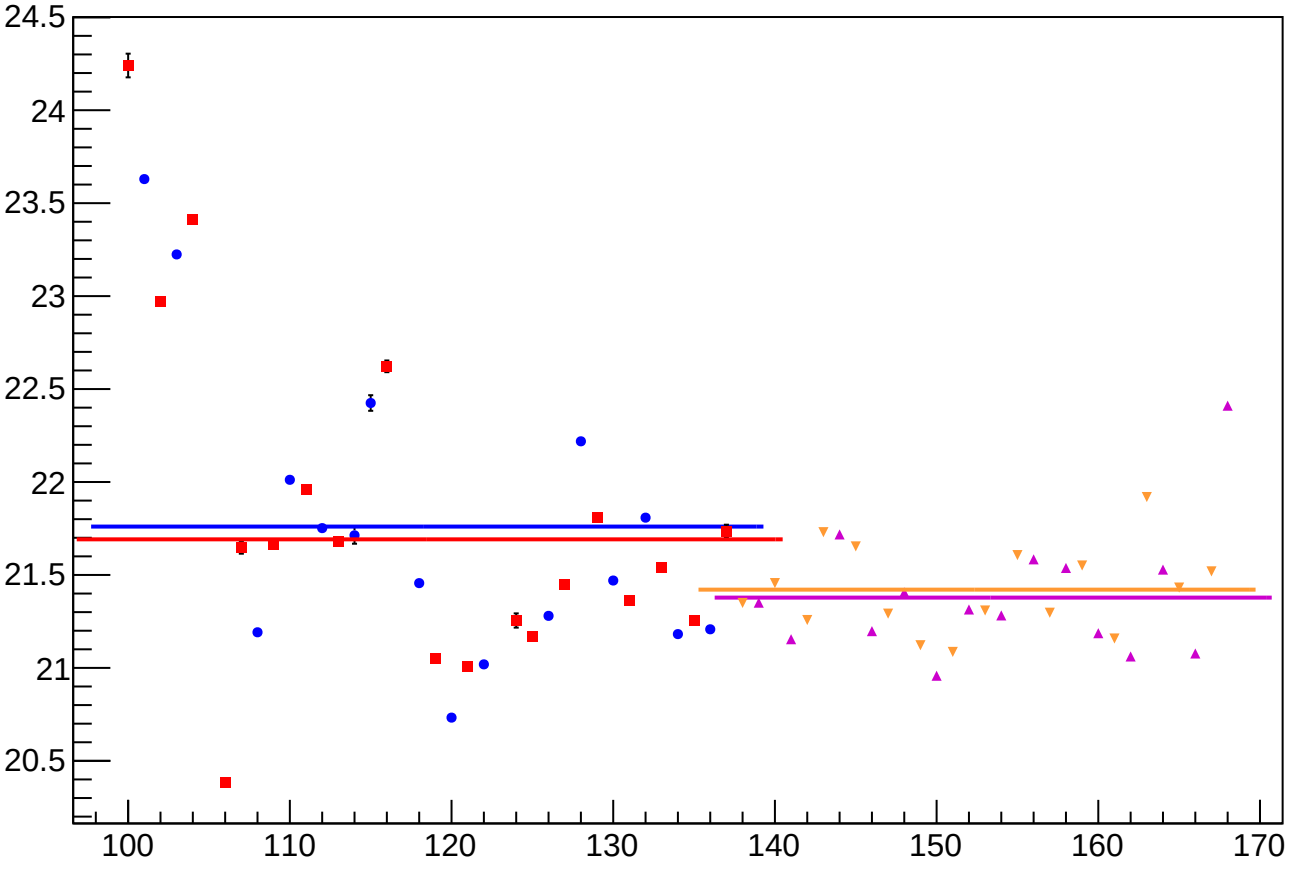
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -5.287+/-4.855 χ^2/NDF:32.3/30

Out: -15.053+/-4.795 χ^2/NDF:35.0/34

All: -10.230+/-3.412 χ^2/NDF: 69.3/65

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: 21.421+/-0.004 χ^2/NDF:2859.6/15

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.378+/-0.004 χ^2/NDF:6257.4/14

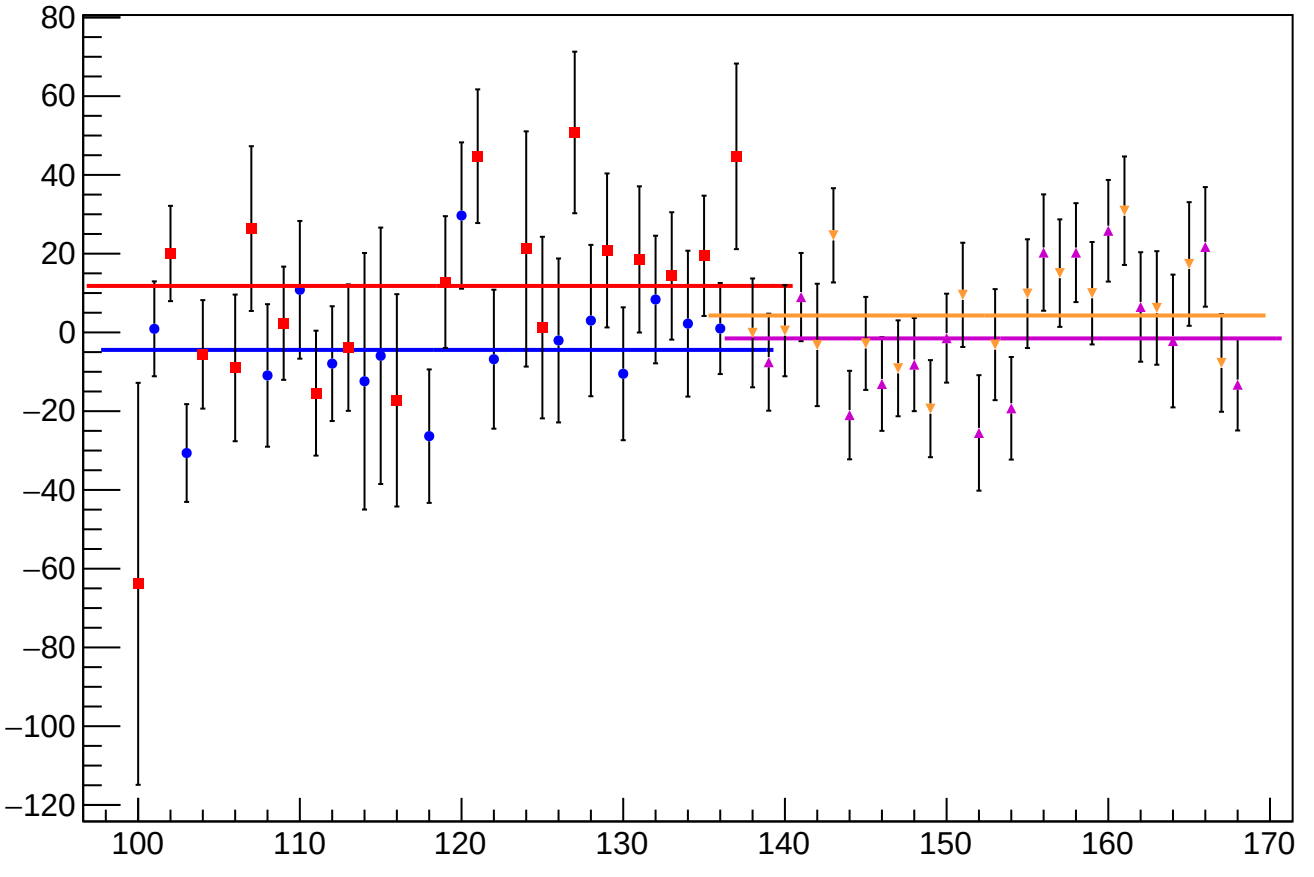
Left: 21.400+/-0.003 χ^2/NDF: 9167.2/30

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.516+/-0.003 χ^2/NDF:28859.4/30

Out: 21.520+/-0.003 χ^2/NDF:22669.7/34

All: 21.518+/-0.002 χ^2/NDF: 51530.0/65



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.296+/-3.293 χ^2/NDF:15.4/15

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.522+/-3.290 χ^2/NDF:23.3/14

Left: 1.384+/-2.327 χ^2/NDF: 40.2/30

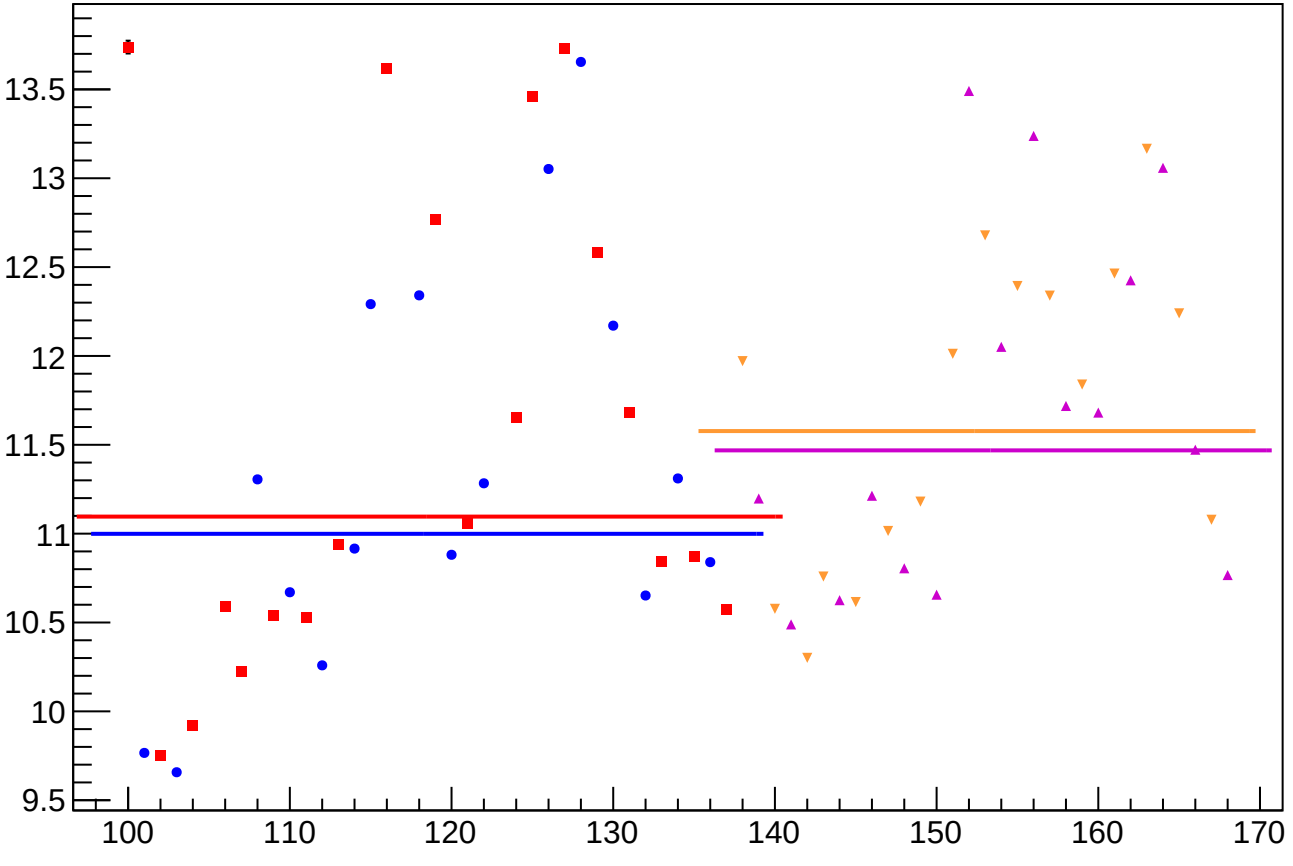
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.654+/-2.573 χ^2/NDF:35.6/30

Out: 7.244+/-2.567 χ^2/NDF:39.2/34

All: 2.307+/-1.817 χ^2/NDF: 82.1/65

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.577+/-0.002 χ^2/NDF:126753.8/15

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.469+/-0.002 χ^2/NDF:151663.0/14

Left: 11.523+/-0.002 χ^2/NDF: 279506.0/30

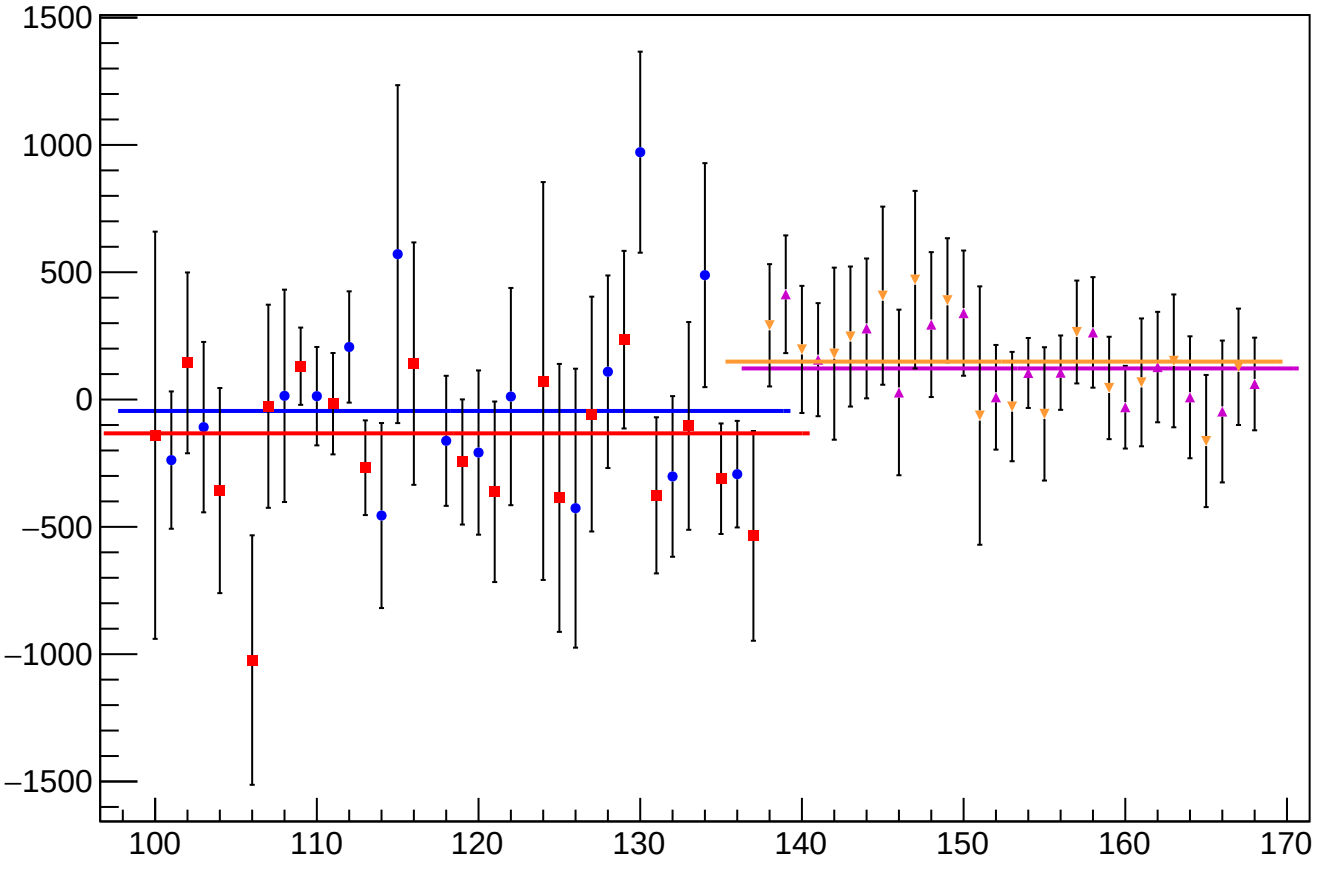
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.286+/-0.002 χ^2/NDF:303639.5/30

Out: 11.388+/-0.002 χ^2/NDF:306428.8/34

All: 11.338+/-0.001 χ^2/NDF: 611642.1/65

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 122.189+/-53.067 χ^2/NDF:5.5/14

Left: 133.096+/-40.904 χ^2/NDF: 12.1/30

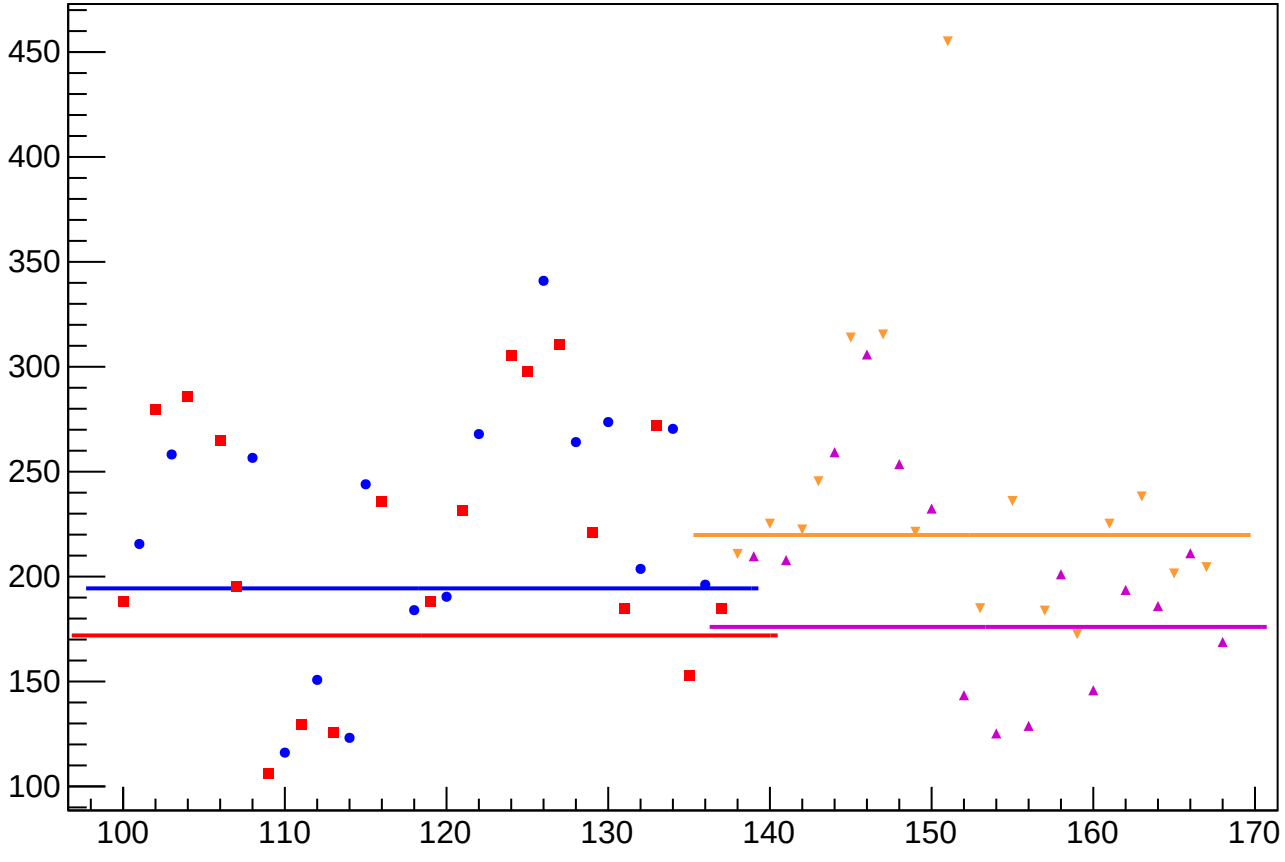
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 67.866+/-43.589 χ^2/NDF:24.2/30

Out: 16.800+/-46.771 χ^2/NDF:28.4/34

All: 44.129+/-31.888 χ^2/NDF: 53.2/65

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: 219.828+/-0.045 χ^2/NDF:1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.022+/-0.038 χ^2/NDF:1519753.1/14

Left: 193.801+/-0.029 χ^2/NDF: 3083757.7/30

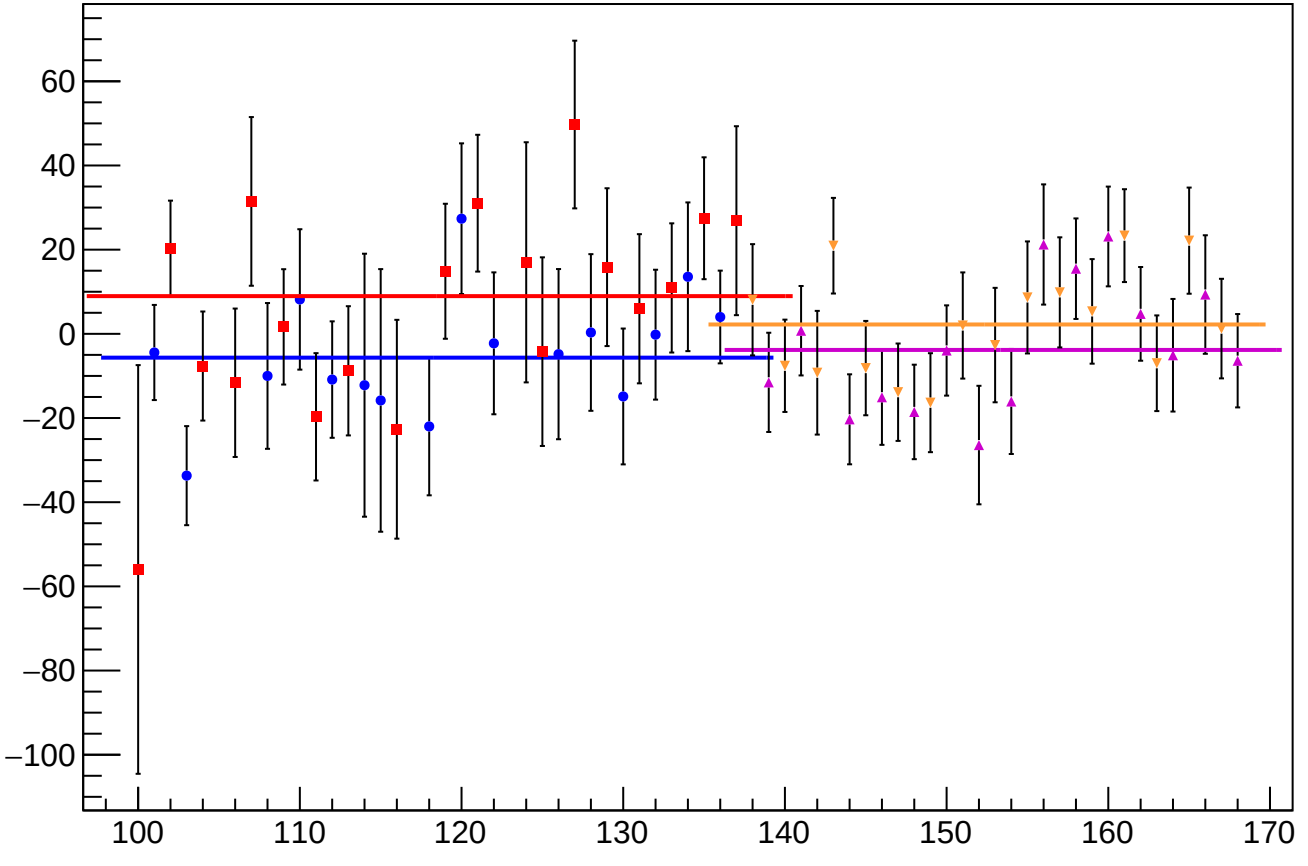
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.996+/-0.031 χ^2/NDF:2639680.1/30

Out: 197.355+/-0.033 χ^2/NDF:3184229.4/34

All: 189.135+/-0.023 χ^2/NDF: 5939338.7/65

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: 2.225+/-3.041 χ^2/NDF:17.2/15

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.824+/-3.063 χ^2/NDF:21.6/14

Left: -0.777+/-2.158 χ^2/NDF: 40.8/30

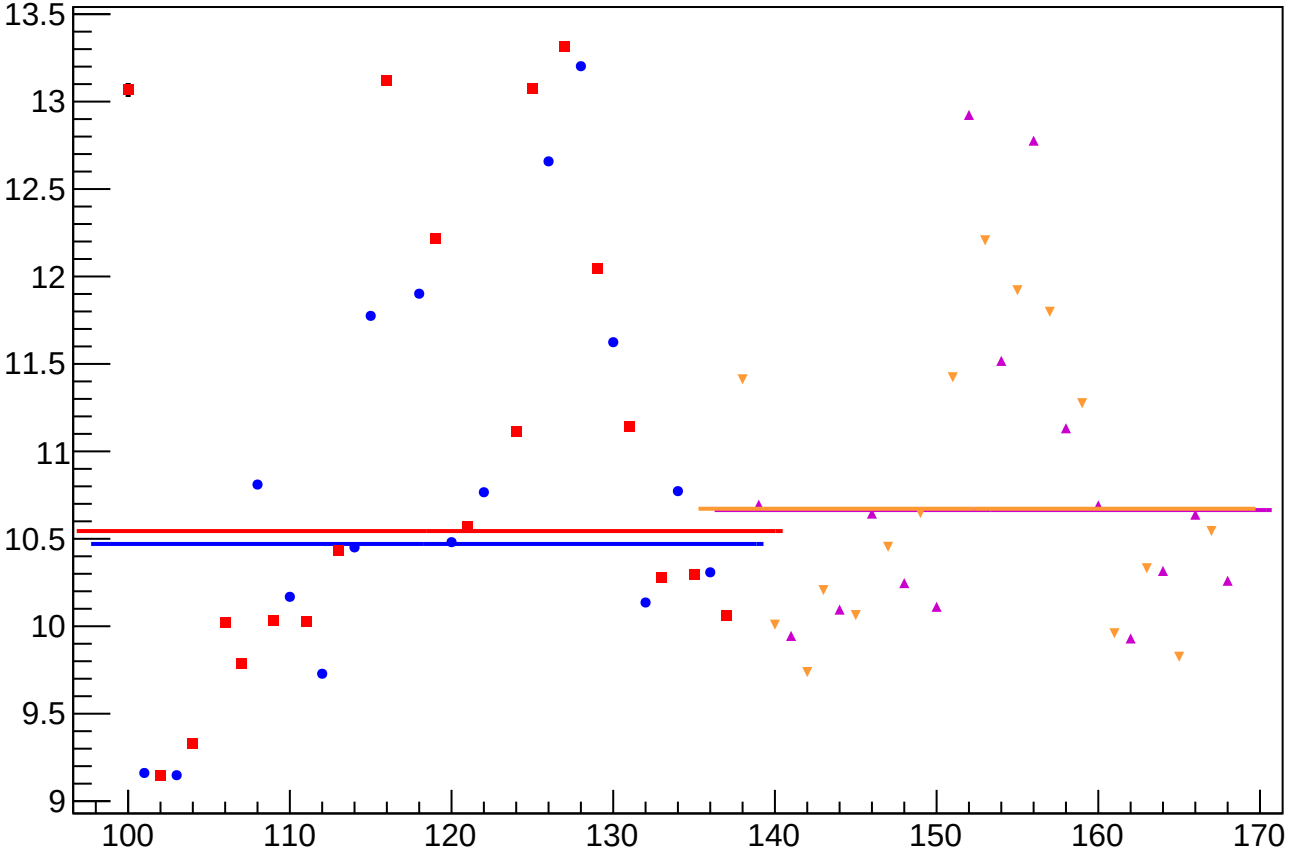
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.515+/-2.418 χ^2/NDF:35.4/30

Out: 4.771+/-2.398 χ^2/NDF:41.8/34

All: 0.166+/-1.703 χ^2/NDF: 84.7/65

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: 10.672+/-0.002 χ^2/NDF:120741.0/15

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.664+/-0.002 χ^2/NDF:143325.3/14

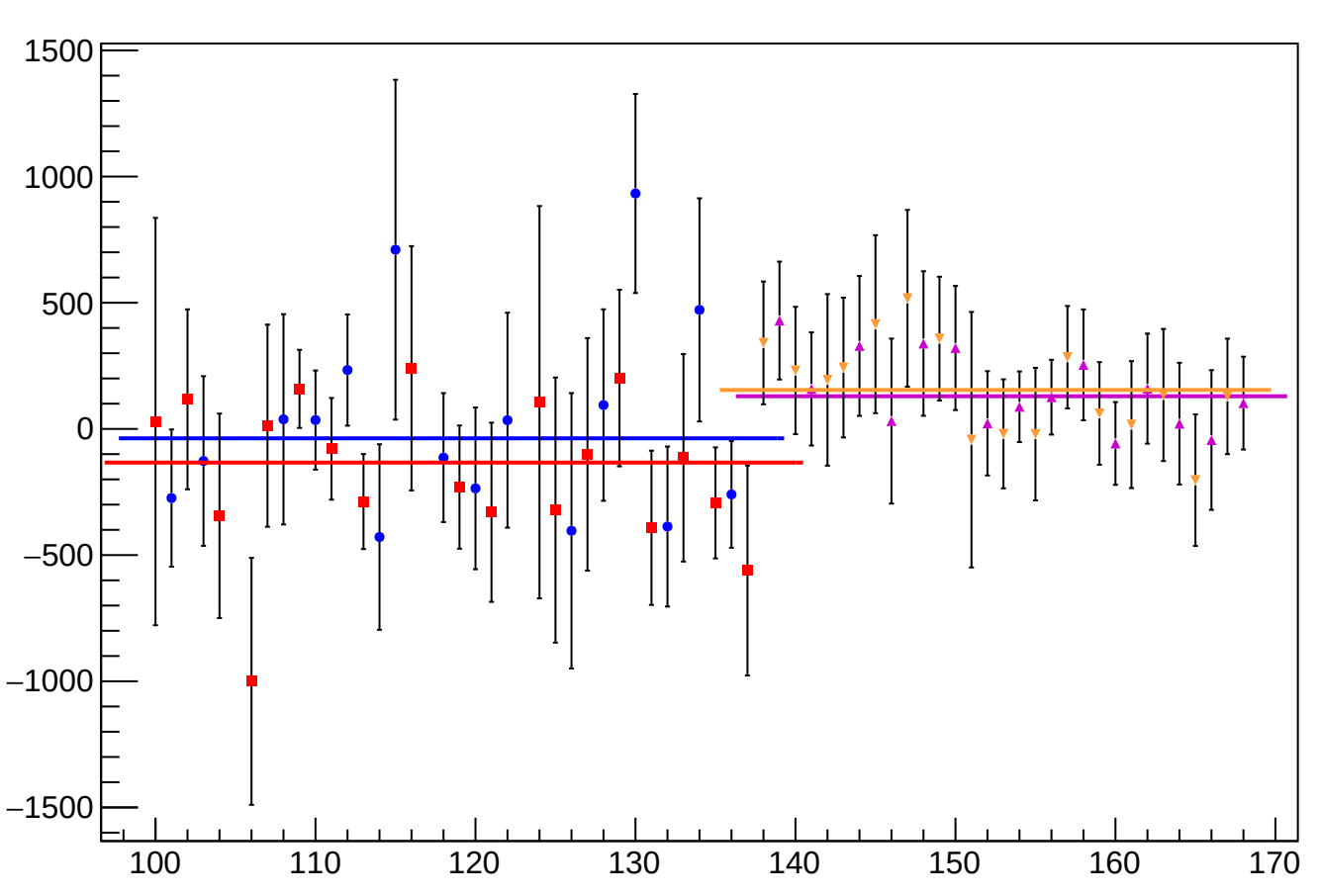
Left: 10.668+/-0.002 χ^2/NDF: 264072.5/30

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.591+/-0.002 χ^2/NDF:303706.5/30

Out: 10.624+/-0.002 χ^2/NDF:308852.1/34

All: 10.608+/-0.001 χ^2/NDF: 612739.4/65



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 154.270+/-64.595 χ^2/NDF:7.2/15

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 129.406+/-53.598 χ^2/NDF:6.0/14

Left: 139.544+/-41.248 χ^2/NDF: 13.3/30

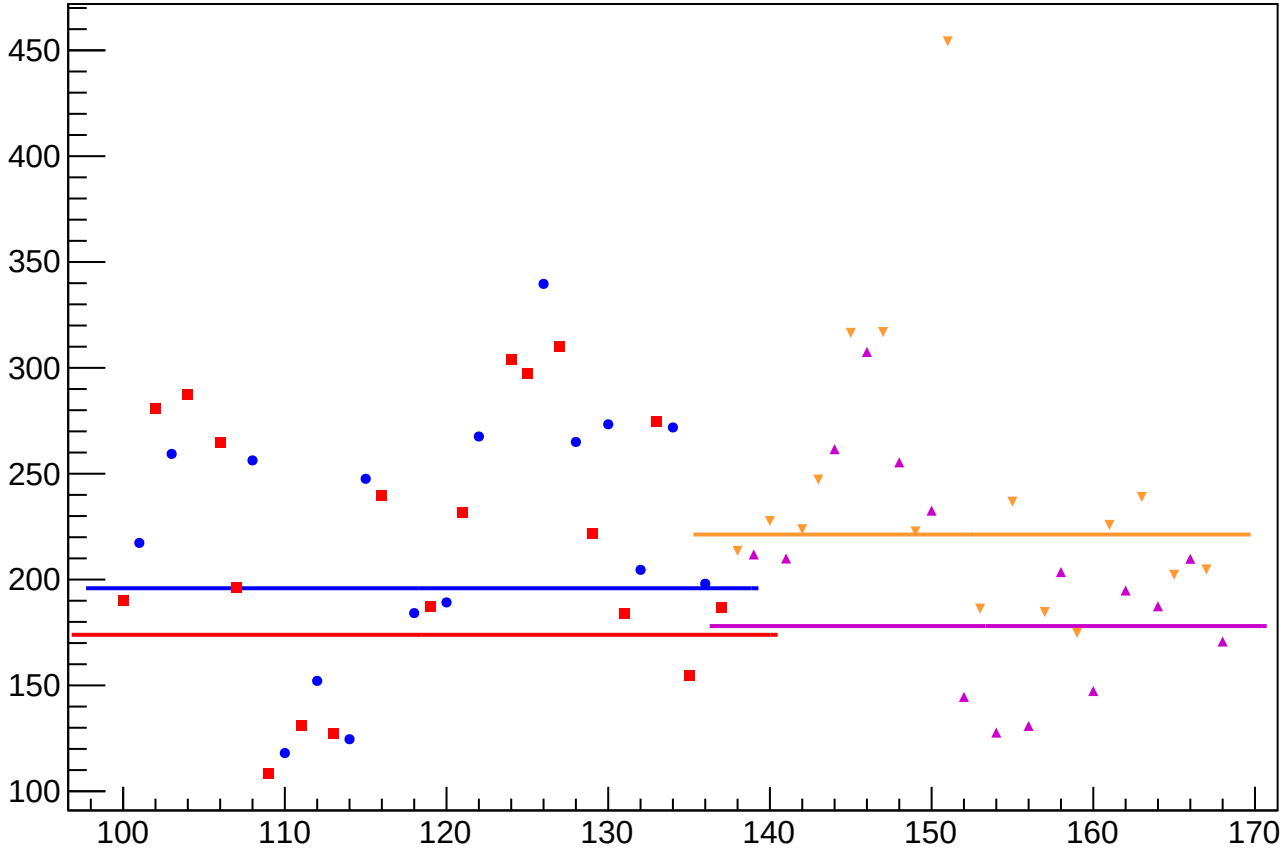
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 74.933+/-43.974 χ^2/NDF:24.8/30

Out: 19.678+/-47.119 χ^2/NDF:29.3/34

All: 49.211+/-32.149 χ^2/NDF: 54.9/65

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: 221.284+/-0.046 χ^2/NDF:999553.1/15

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 178.028+/-0.038 χ^2/NDF:1477698.6/14

Left: 195.666+/-0.029 χ^2/NDF: 3008390.1/30

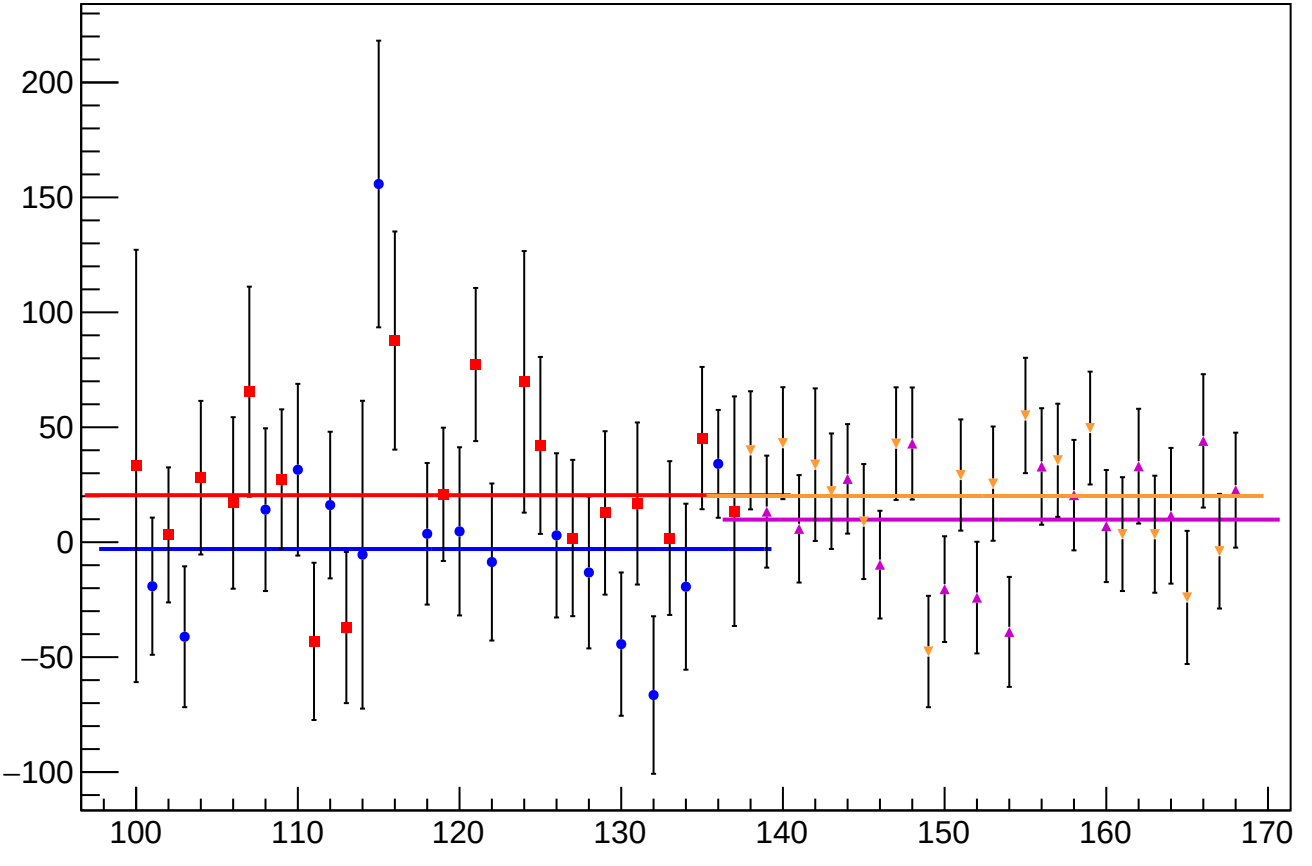
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.870+/-0.031 χ^2/NDF:2561390.9/30

Out: 199.114+/-0.033 χ^2/NDF:3102668.8/34

All: 190.966+/-0.023 χ^2/NDF: 5775940.9/65

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: 20.110+/-6.342 χ^2/NDF:18.6/15

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 9.824+/-6.373 χ^2/NDF:14.6/14

Left: 14.992+/-4.495 χ^2/NDF: 34.5/30

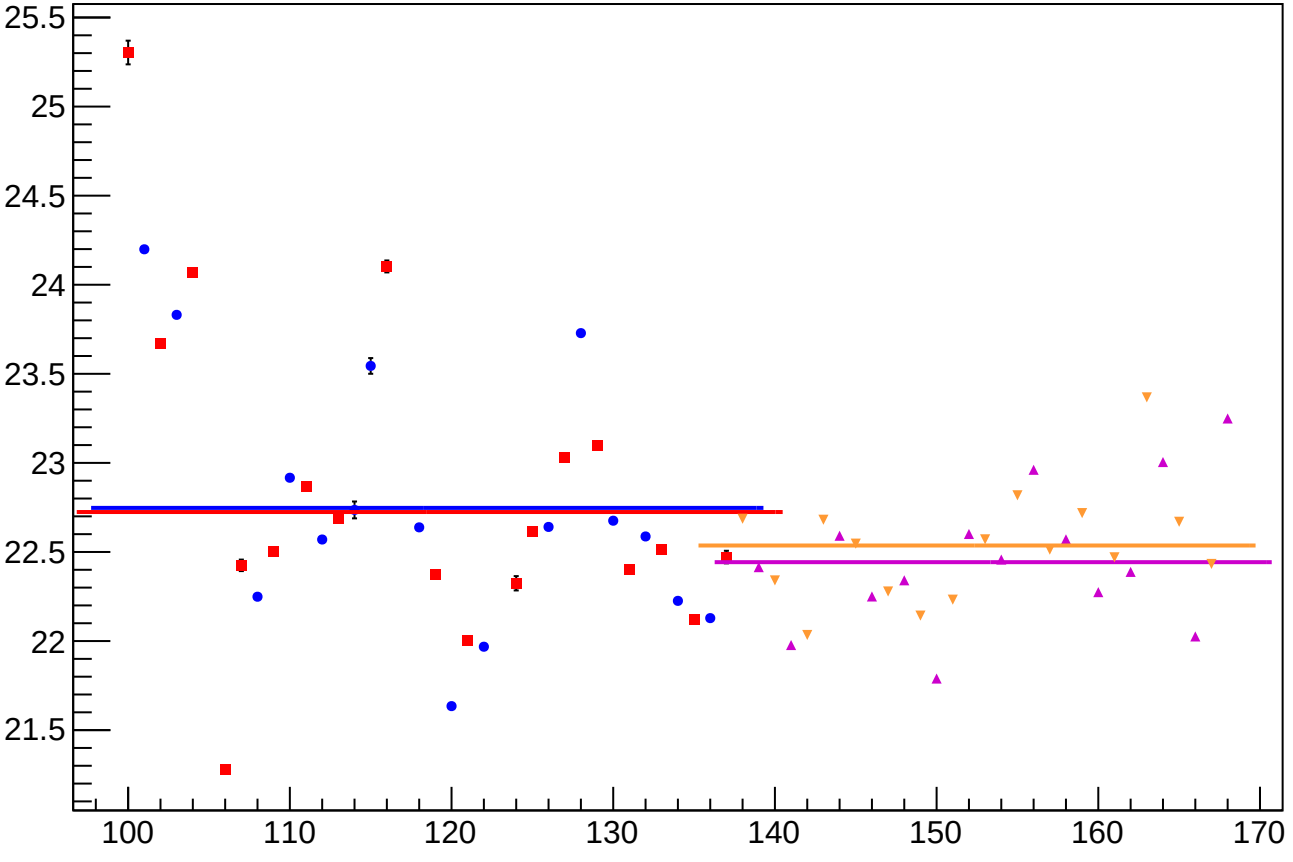
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 5.189+/-5.089 χ^2/NDF:33.9/30

Out: 20.238+/-5.038 χ^2/NDF:33.9/34

All: 12.790+/-3.580 χ^2/NDF: 72.3/65

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: 22.536+/-0.004 χ^2/NDF:4379.4/15

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.443+/-0.005 χ^2/NDF:6958.4/14

Left: 22.490+/-0.003 χ^2/NDF: 11554.5/30

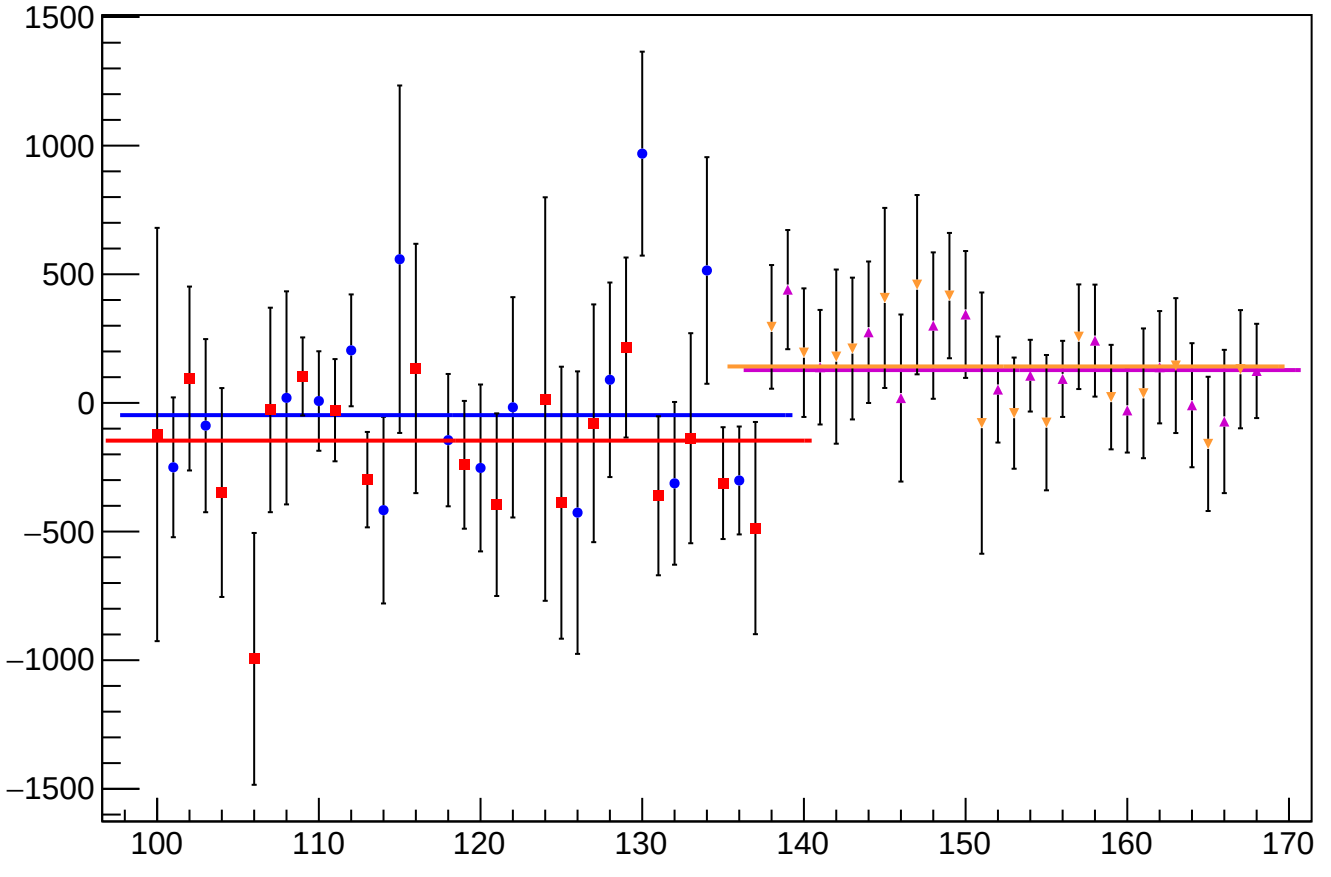
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.553+/-0.004 χ^2/NDF:23237.9/30

Out: 22.606+/-0.004 χ^2/NDF:19517.9/34

All: 22.580+/-0.003 χ^2/NDF: 42863.5/65

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.682+/-64.472 χ^2/NDF:7.0/15

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 127.618+/-53.438 χ^2/NDF:5.6/14

Left: 133.345+/-41.143 χ^2/NDF: 12.6/30

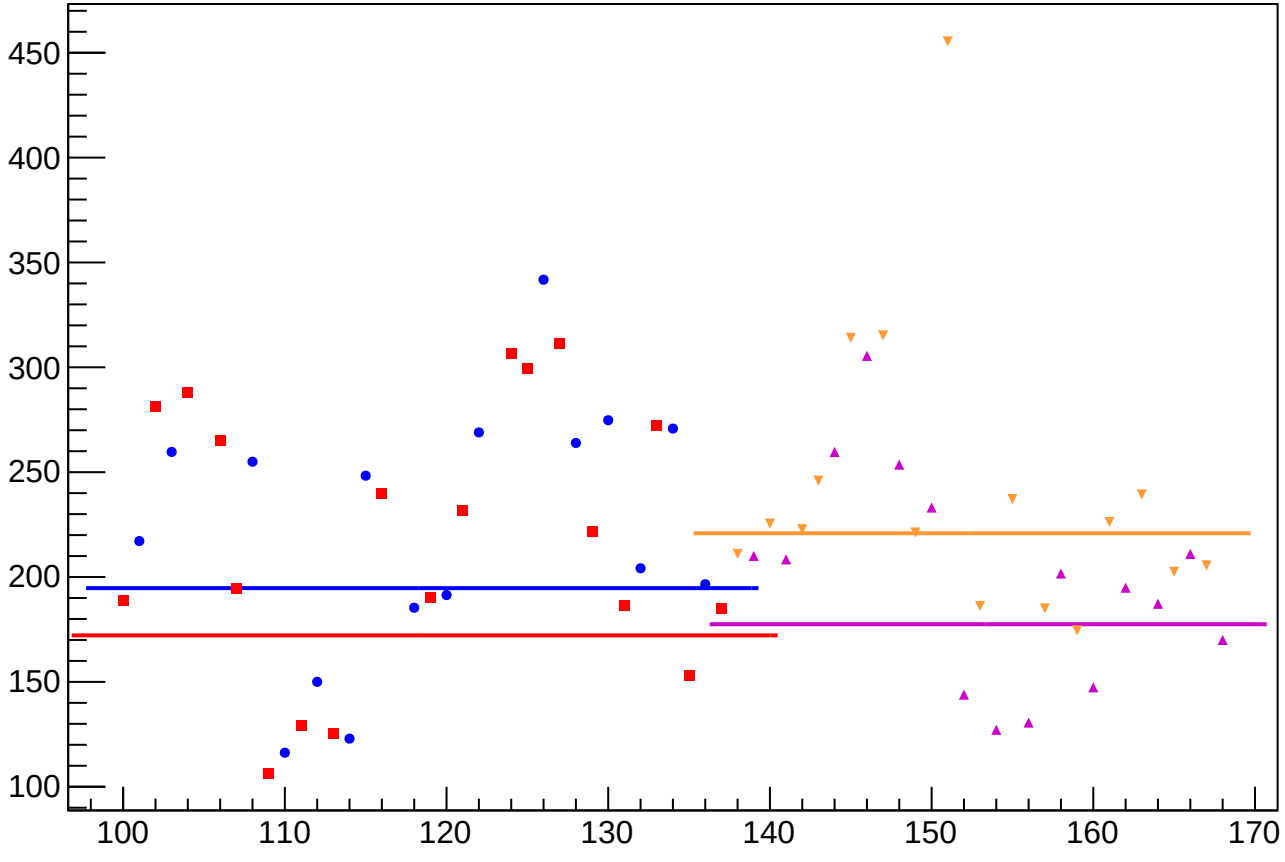
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 70.255+/-43.822 χ^2/NDF:24.5/30

Out: 6.065+/-46.915 χ^2/NDF:28.0/34

All: 40.345+/-32.024 χ^2/NDF: 53.5/65

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: 220.875+/-0.046 χ^2/NDF:990859.6/15

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 177.493+/-0.038 χ^2/NDF:1467233.6/14

Left: 195.160+/-0.029 χ^2/NDF: 2994858.6/30

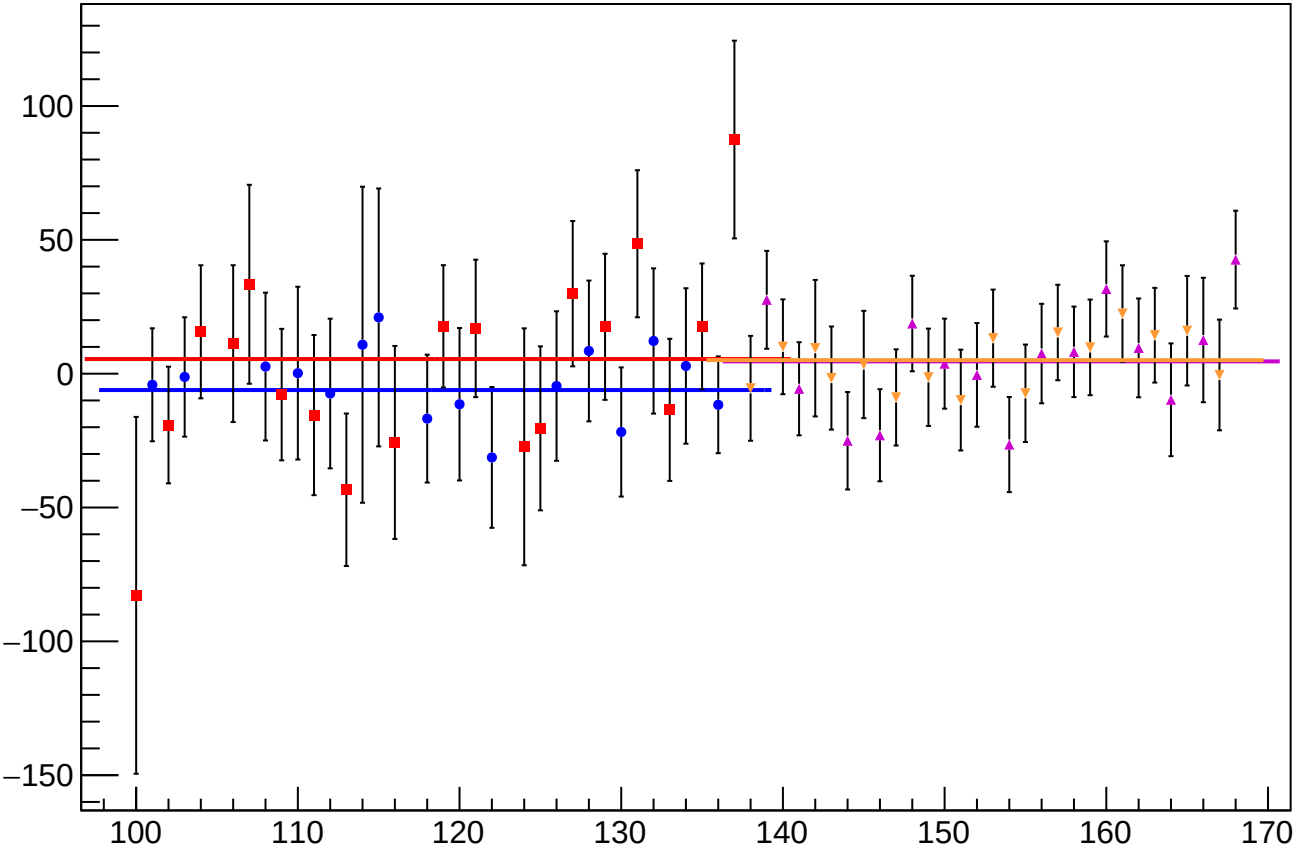
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.131+/-0.031 χ^2/NDF:2587503.6/30

Out: 197.968+/-0.033 χ^2/NDF:3198567.0/34

All: 190.044+/-0.023 χ^2/NDF: 5892889.6/65

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.063+/-4.726 χ^2/NDF:4.5/15

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.590+/-4.725 χ^2/NDF:18.3/14

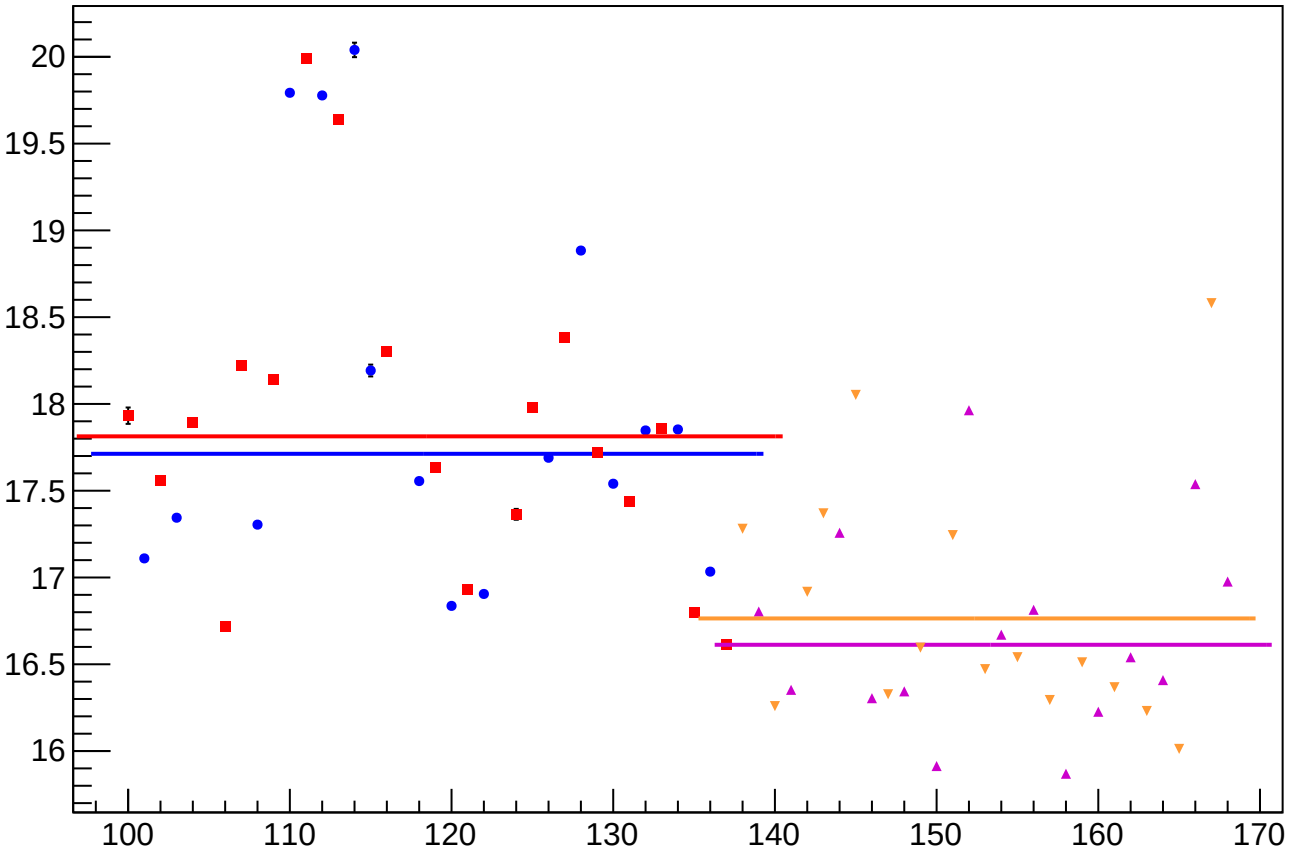
Left: 4.827+/-3.342 χ^2/NDF: 22.8/30

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 0.955+/-3.841 χ^2/NDF:23.1/30

Out: 5.203+/-3.824 χ^2/NDF:23.7/34

All: 3.088+/-2.710 χ^2/NDF: 47.5/65



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.764+/-0.003 χ^2/NDF:39494.8/15

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.612+/-0.003 χ^2/NDF:26704.0/14

Left: 16.688+/-0.002 χ^2/NDF: 67230.5/30

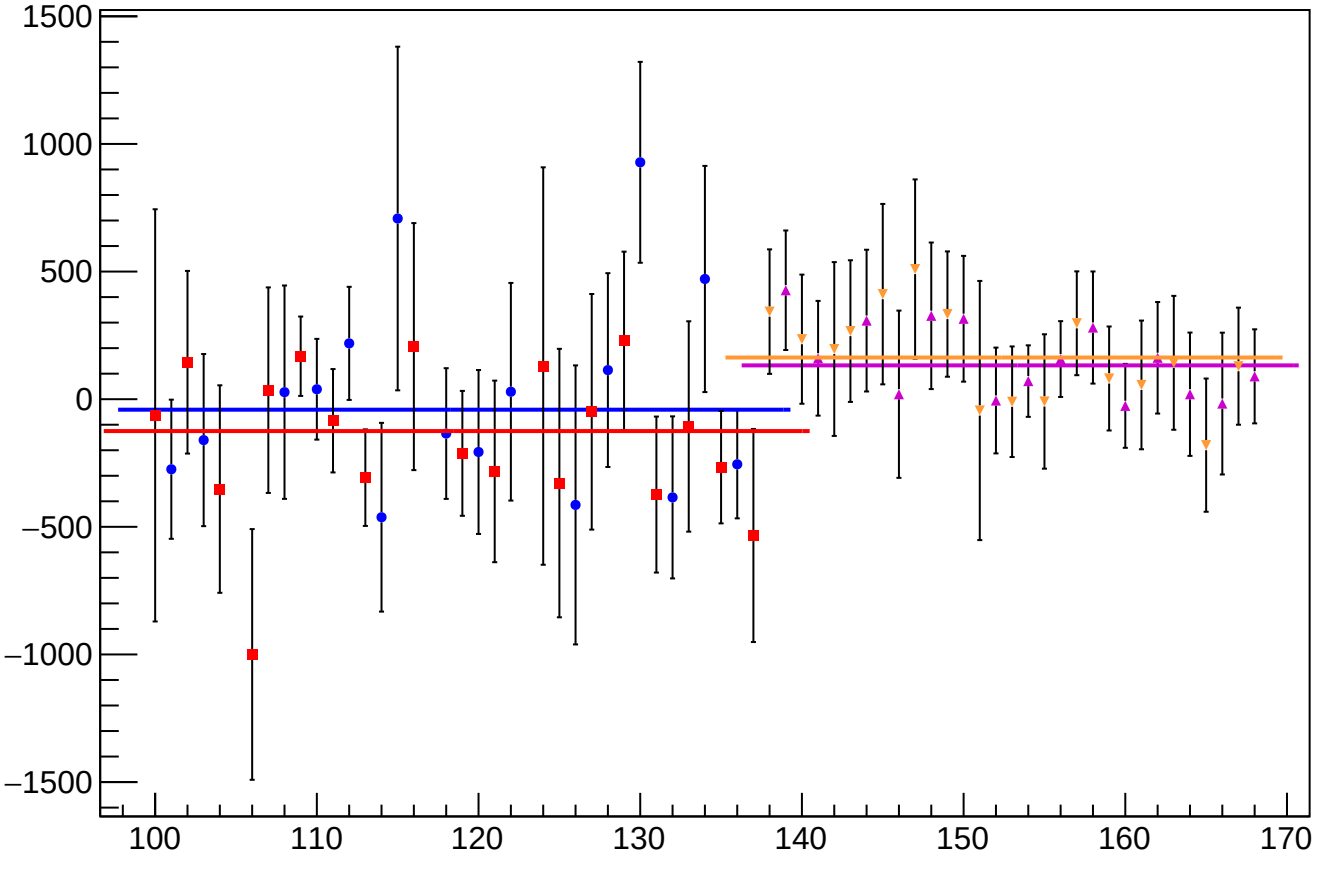
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.986+/-0.003 χ^2/NDF:99496.7/30

Out: 17.126+/-0.003 χ^2/NDF:106236.4/34

All: 17.056+/-0.002 χ^2/NDF: 207076.9/65

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: 163.293+/-64.737 χ^2/NDF:6.5/15

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 132.434+/-53.703 χ^2/NDF:5.8/14

Left: 145.013+/-41.332 χ^2/NDF: 12.4/30

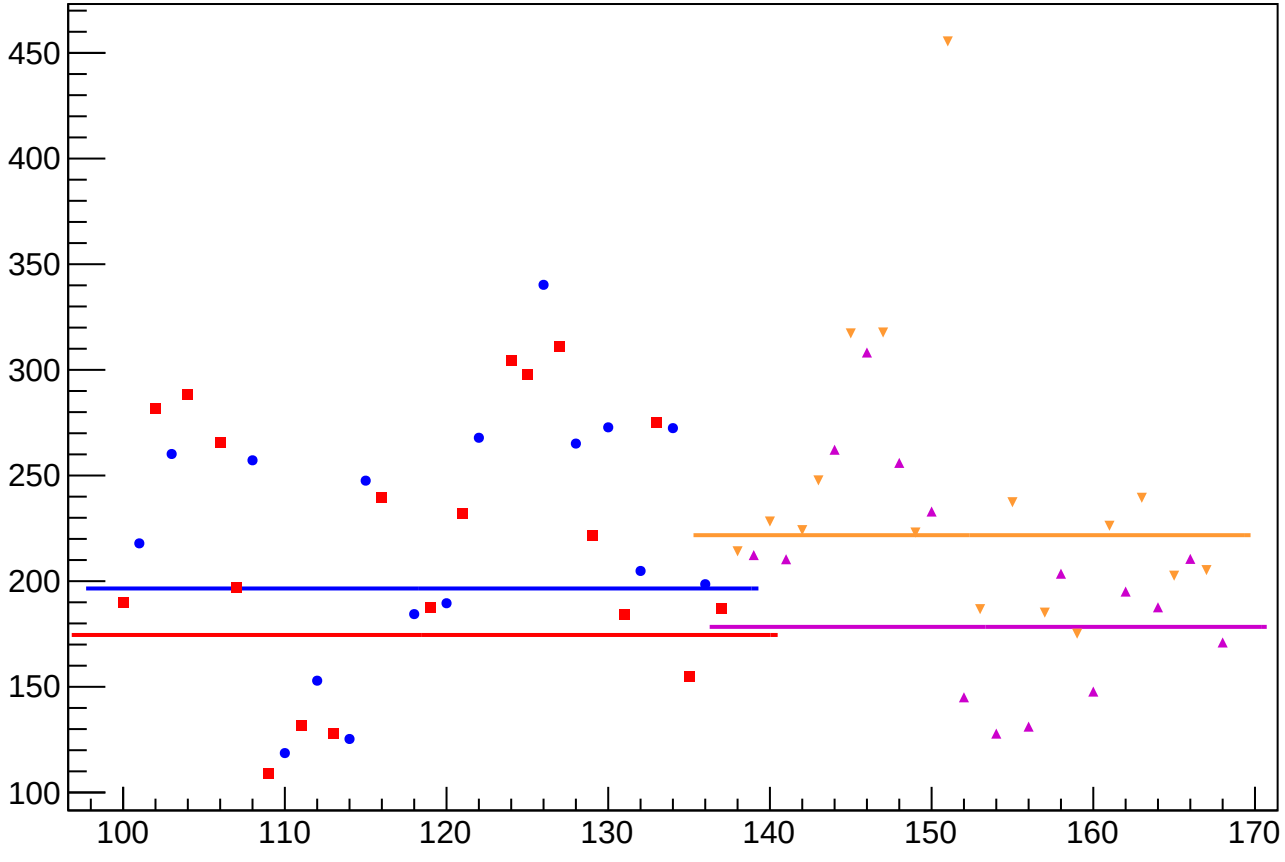
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 75.779+/-44.074 χ^2/NDF:24.8/30

Out: 28.613+/-47.246 χ^2/NDF:28.6/34

All: 53.832+/-32.228 χ^2/NDF: 53.9/65

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: 221.766+/-0.046 χ^2/NDF:999731.3/15

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 178.373+/-0.038 χ^2/NDF:1477702.0/14

Left: 196.062+/-0.029 χ^2/NDF: 3009728.7/30

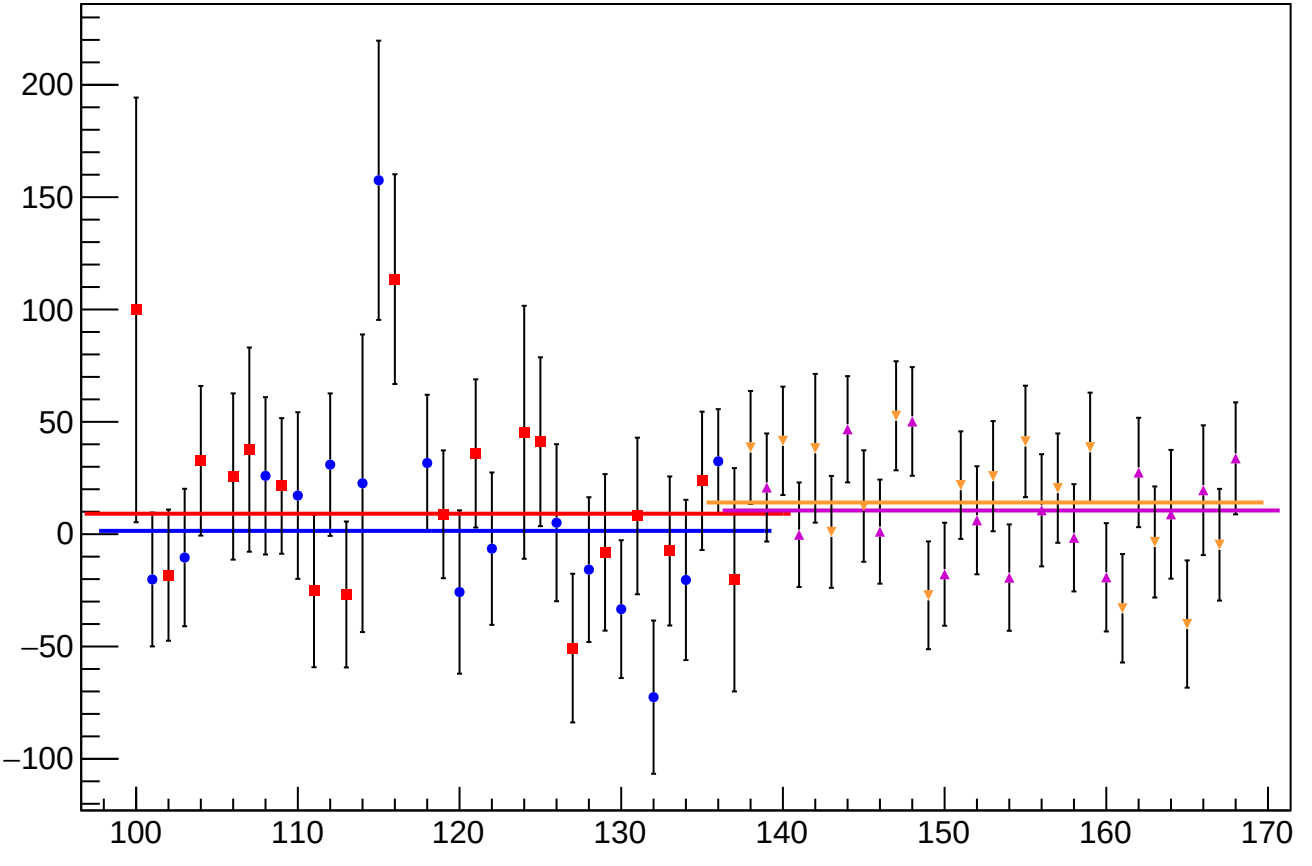
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.304+/-0.031 χ^2/NDF:2553208.2/30

Out: 199.694+/-0.033 χ^2/NDF:3085909.2/34

All: 191.465+/-0.023 χ^2/NDF: 5752581.9/65

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: 14.108+/-6.261 χ^2/NDF:19.7/15

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 10.547+/-6.306 χ^2/NDF:12.0/14

Left: 12.340+/-4.443 χ^2/NDF: 31.8/30

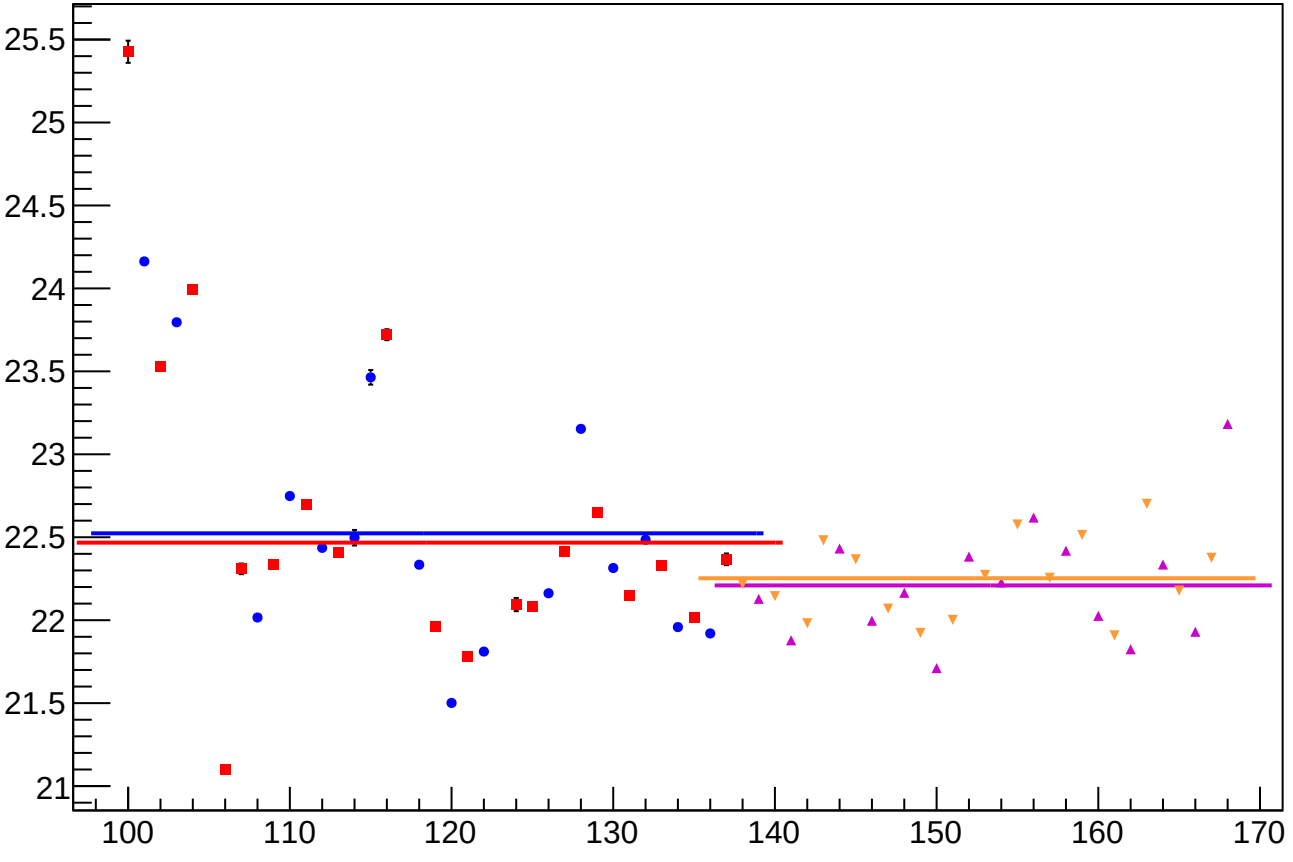
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 7.263+/-5.037 χ^2/NDF:31.4/30

Out: 12.268+/-4.976 χ^2/NDF:36.4/34

All: 9.796+/-3.540 χ^2/NDF: 68.3/65

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: 22.253+/-0.004 χ^2/NDF:2801.7/15

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.210+/-0.004 χ^2/NDF:6412.3/14

Left: 22.231+/-0.003 χ^2/NDF: 9261.1/30

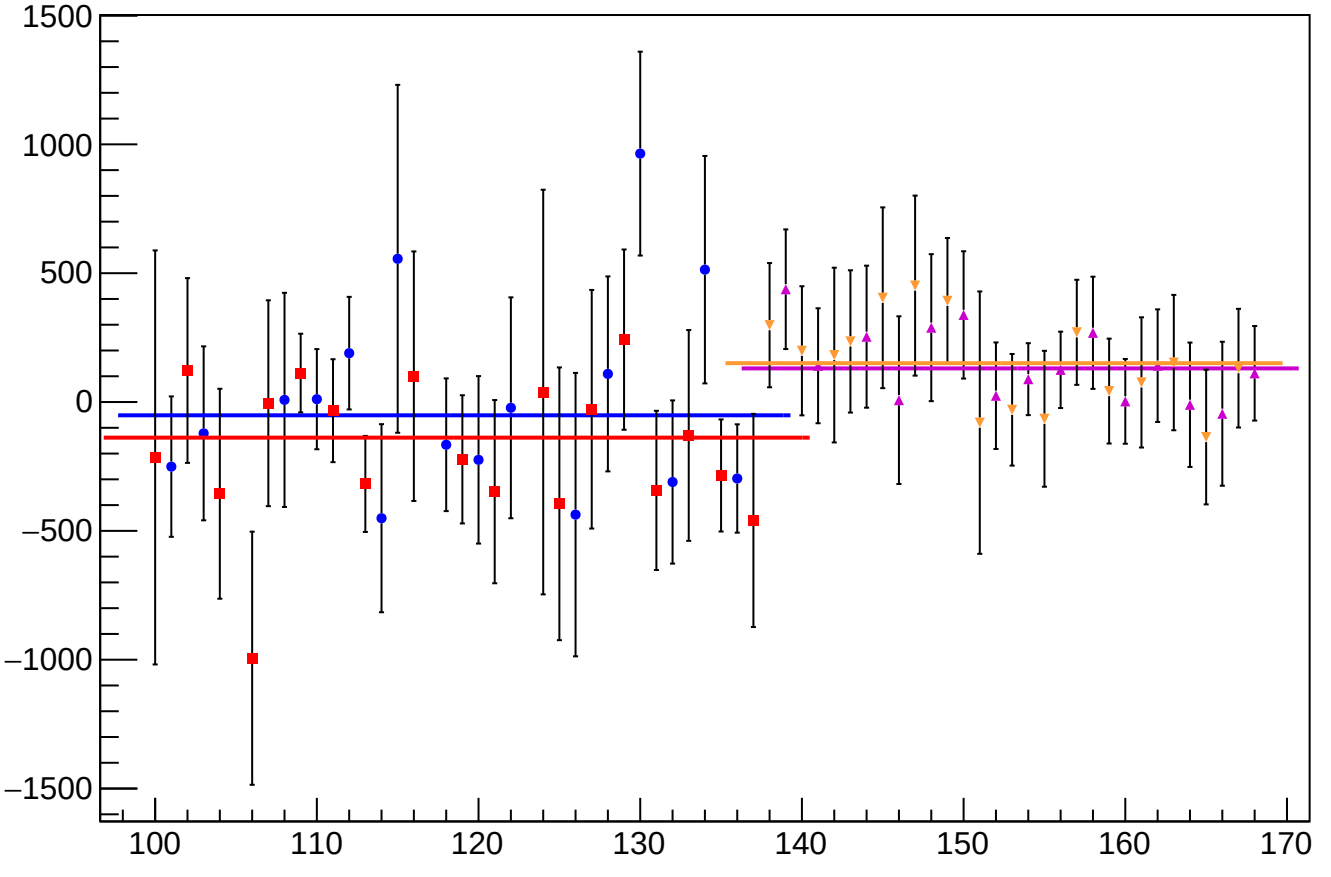
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.323+/-0.004 χ^2/NDF:24154.4/30

Out: 22.332+/-0.004 χ^2/NDF:19295.2/34

All: 22.328+/-0.003 χ^2/NDF: 43452.6/65

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: 150.793+/-64.613 χ^2/NDF:6.3/15

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 130.536+/-53.542 χ^2/NDF:5.2/14

Left: 138.783+/-41.227 χ^2/NDF: 11.5/30

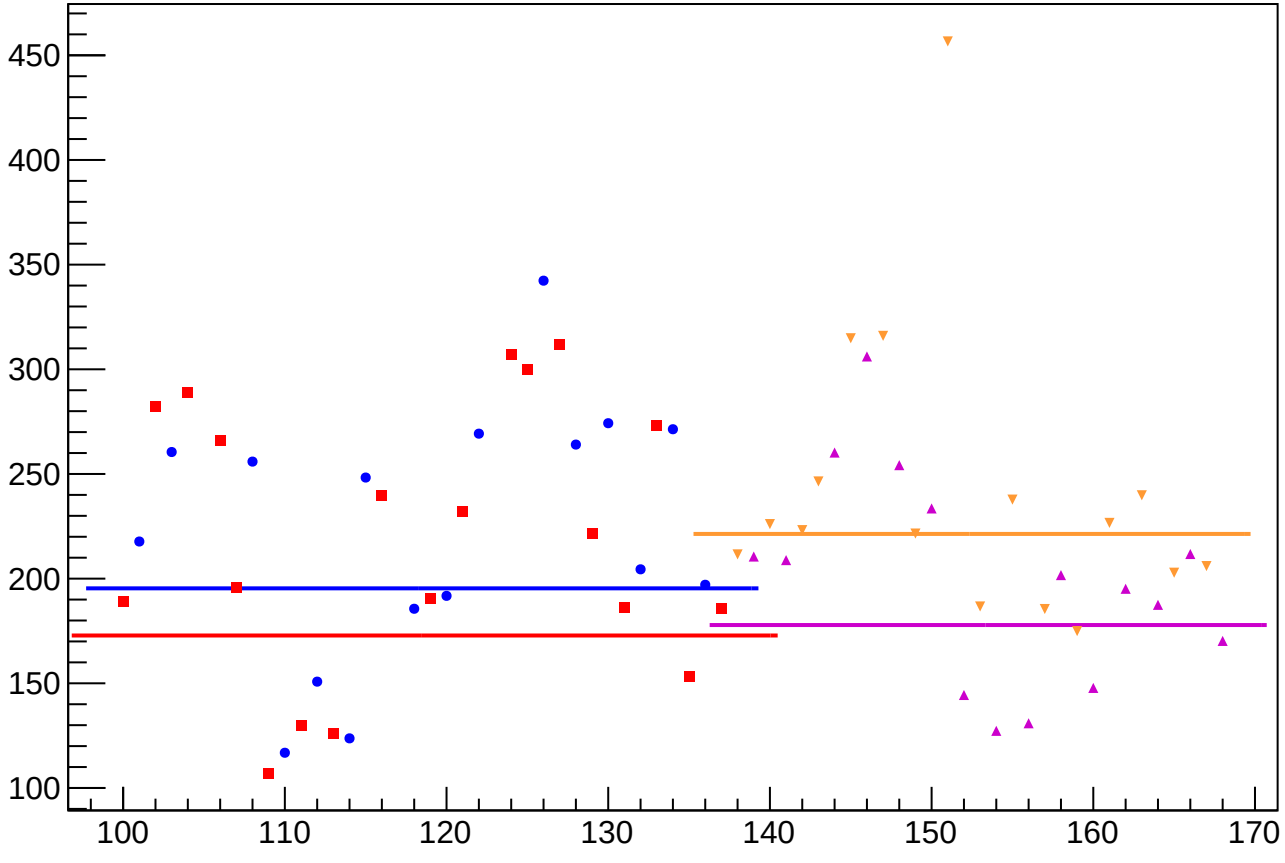
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 70.998+/-43.921 χ^2/NDF:24.3/30

Out: 14.998+/-47.043 χ^2/NDF:27.3/34

All: 44.917+/-32.104 χ^2/NDF: 52.4/65

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: 221.356+/-0.046 χ^2/NDF:991039.2/15

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.835+/-0.038 χ^2/NDF:1467361.5/14

Left: 195.553+/-0.029 χ^2/NDF: 2996365.1/30

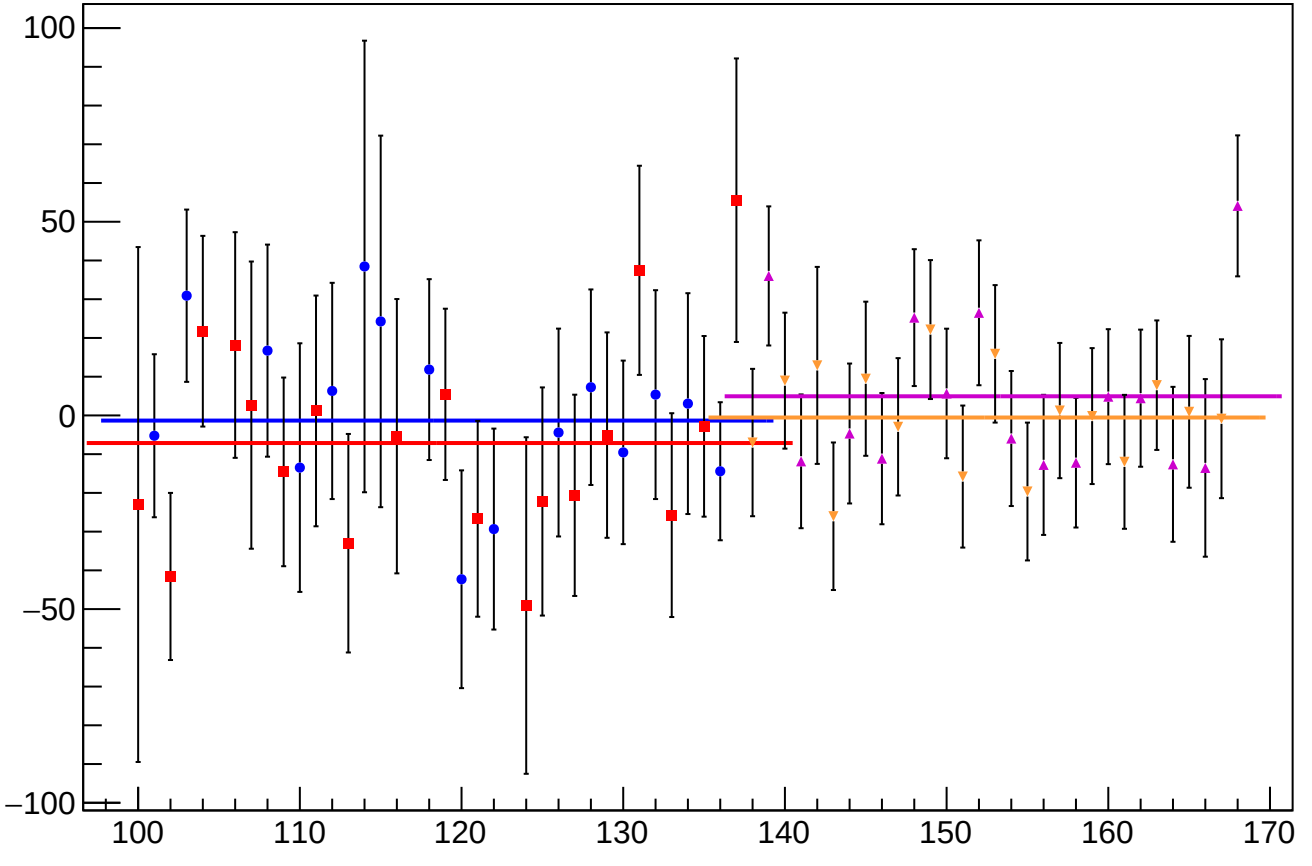
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 183.567+/-0.031 χ^2/NDF:2578882.5/30

Out: 198.556+/-0.033 χ^2/NDF:3180421.3/34

All: 190.548+/-0.023 χ^2/NDF: 5867778.2/65

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: -0.538+/-4.619 χ^2/NDF:7.8/15

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 4.942+/-4.639 χ^2/NDF:18.9/14

Left: 2.190+/-3.273 χ^2/NDF: 27.4/30

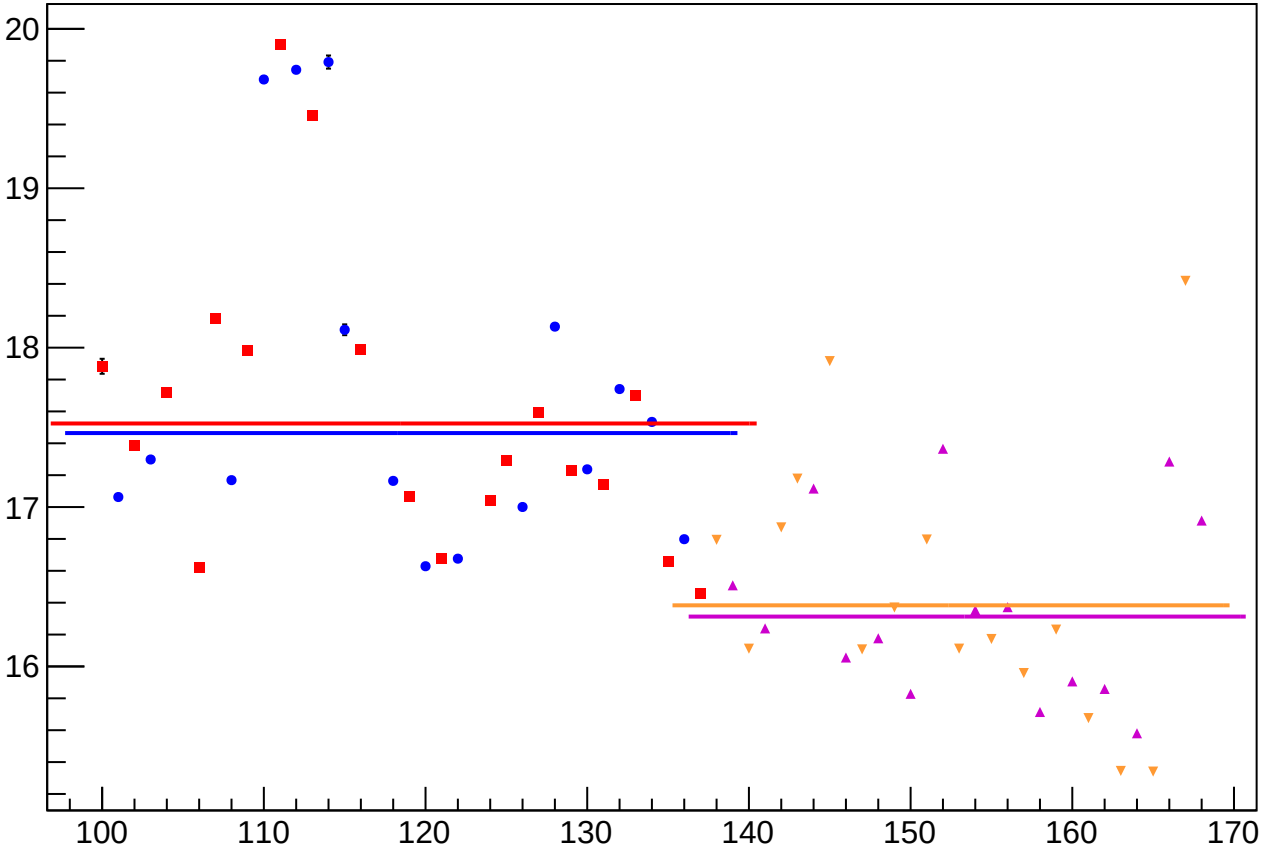
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.825+/-3.776 χ^2/NDF:27.5/30

Out: -2.794+/-3.746 χ^2/NDF:22.9/34

All: -0.007+/-2.659 χ^2/NDF: 51.5/65

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: 16.383+/-0.003 χ^2/NDF:57540.8/15

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.313+/-0.003 χ^2/NDF:26289.4/14

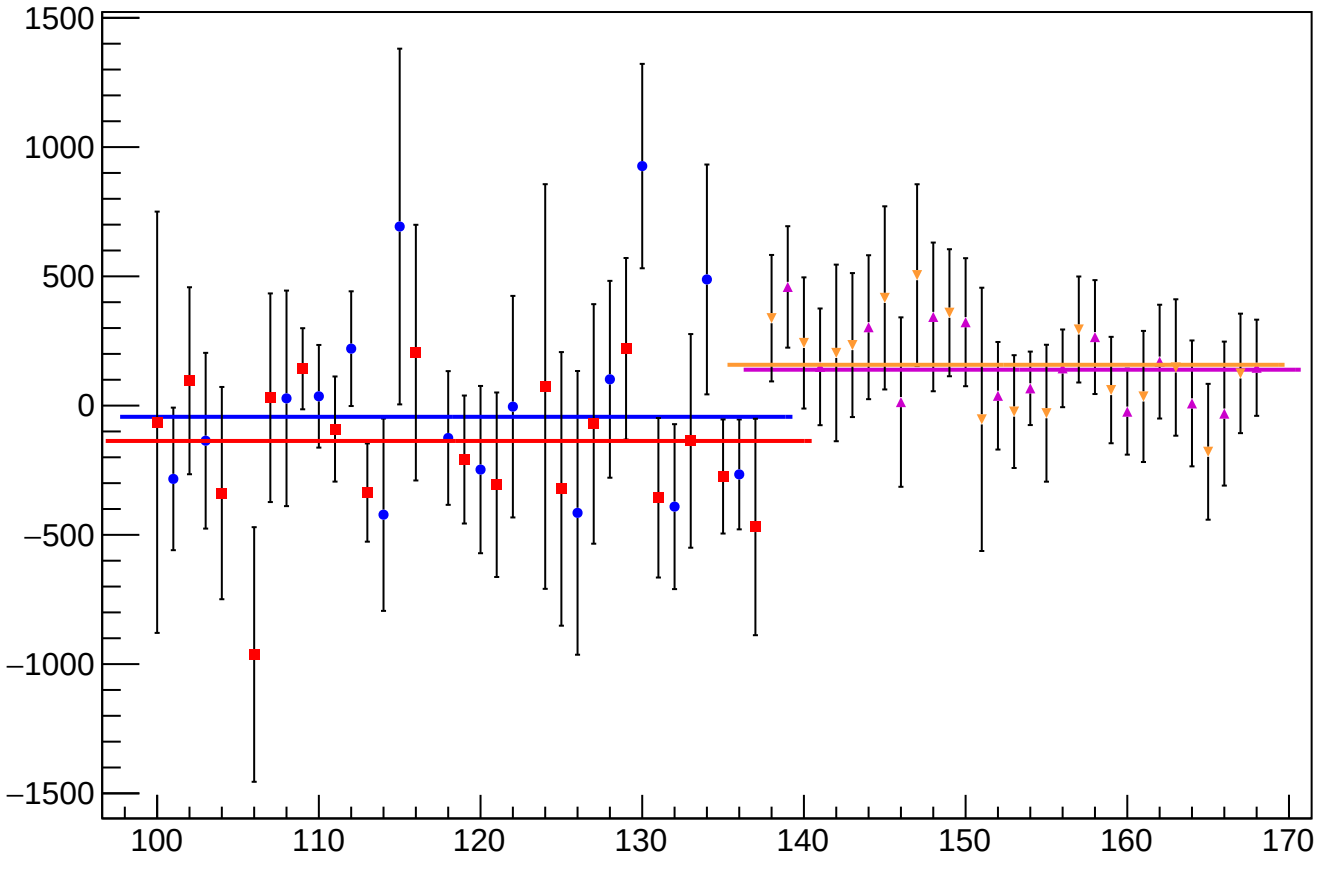
Left: 16.348+/-0.002 χ^2/NDF: 84062.6/30

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.702+/-0.003 χ^2/NDF:104522.4/30

Out: 16.774+/-0.003 χ^2/NDF:134038.9/34

All: 16.738+/-0.002 χ^2/NDF: 238932.9/65



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 157.897+/-65.101 χ^2/NDF:6.9/15

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 138.817+/-54.128 χ^2/NDF:5.9/14

Left: 146.616+/-41.621 χ^2/NDF: 12.8/30

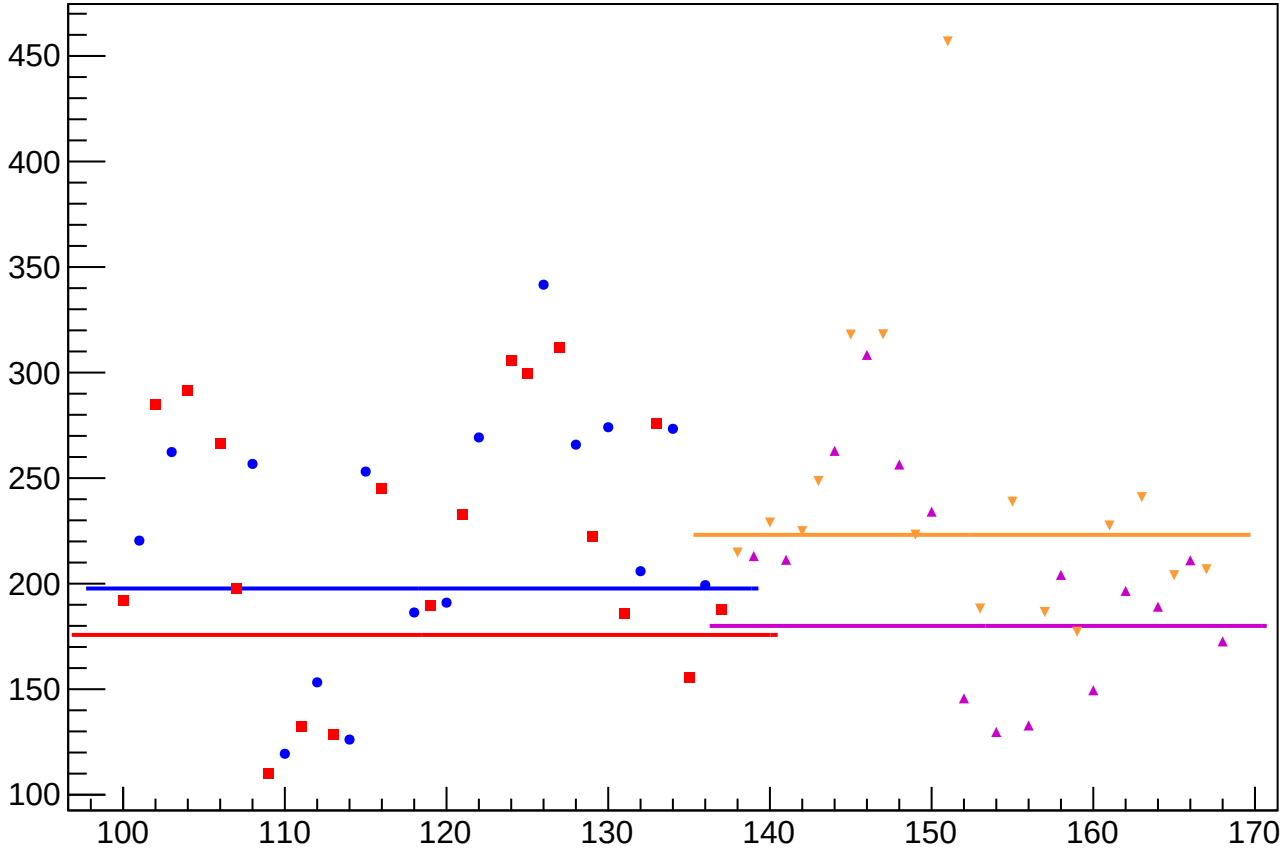
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 79.166+/-44.392 χ^2/NDF:25.0/30

Out: 20.300+/-47.530 χ^2/NDF:28.0/34

All: 51.740+/-32.443 χ^2/NDF: 53.8/65

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: 223.131+/-0.046 χ^2/NDF:982525.8/15

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.982+/-0.038 χ^2/NDF:1434587.8/14

Left: 197.619+/-0.029 χ^2/NDF: 2936597.3/30

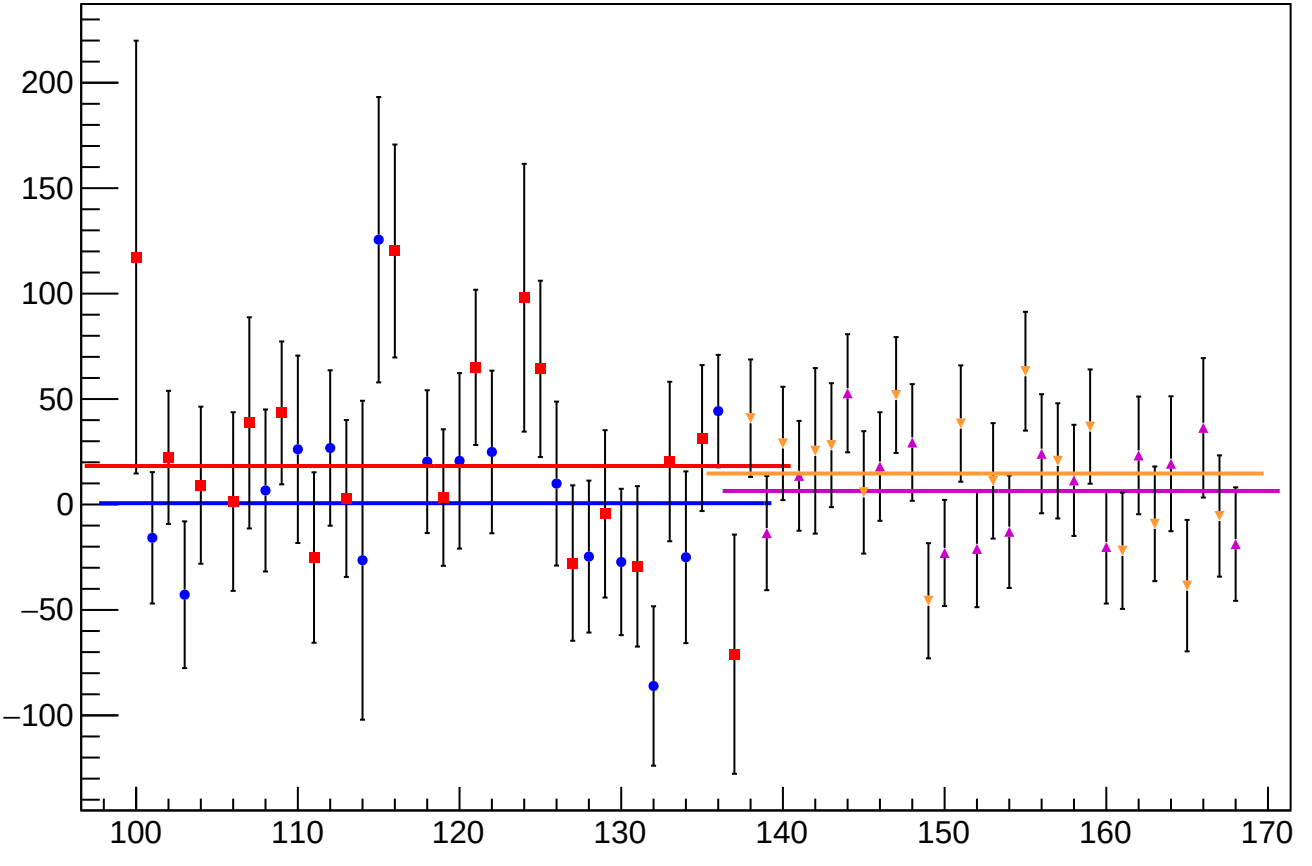
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 185.785+/-0.031 χ^2/NDF:2505125.0/30

Out: 200.991+/-0.034 χ^2/NDF:3068499.7/34

All: 192.870+/-0.023 χ^2/NDF: 5682945.5/65

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 14.700+/-7.097 χ^2/NDF:18.6/15

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 6.412+/-7.096 χ^2/NDF:10.8/14

Left: 10.555+/-5.018 χ^2/NDF: 30.1/30

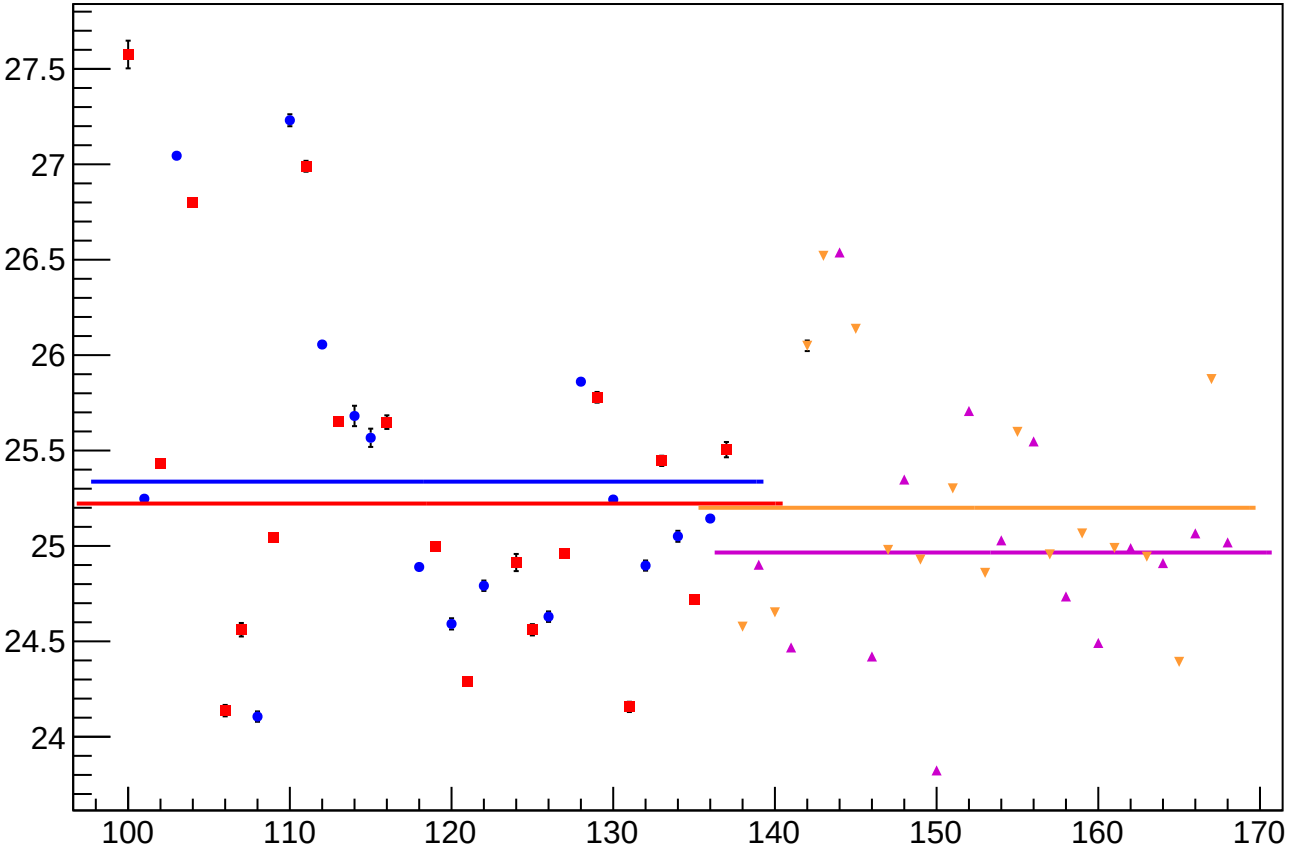
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 4.315+/-5.668 χ^2/NDF:27.7/30

Out: 16.022+/-5.621 χ^2/NDF:36.7/34

All: 10.217+/-3.991 χ^2/NDF: 66.6/65

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: 25.200+/-0.005 χ^2/NDF:12901.8/15

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.966+/-0.005 χ^2/NDF:15551.9/14

Left: 25.083+/-0.004 χ^2/NDF: 29546.0/30

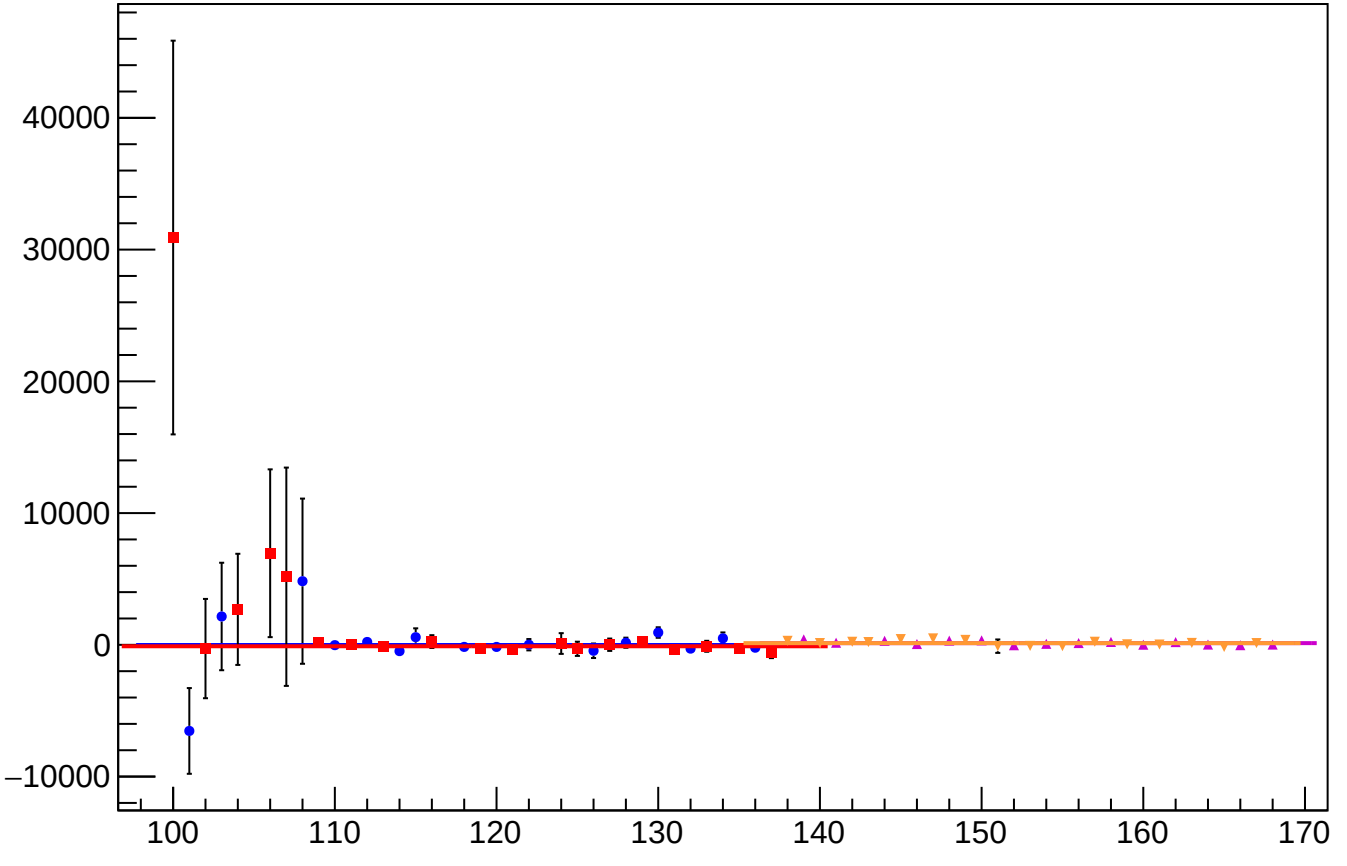
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.100+/-0.004 χ^2/NDF:31851.0/30

Out: 25.208+/-0.004 χ^2/NDF:28133.5/34

All: 25.155+/-0.003 χ^2/NDF: 60352.7/65

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 128.721+/-65.734 χ^2/NDF:7.0/15

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 129.483+/-54.931 χ^2/NDF:5.4/14

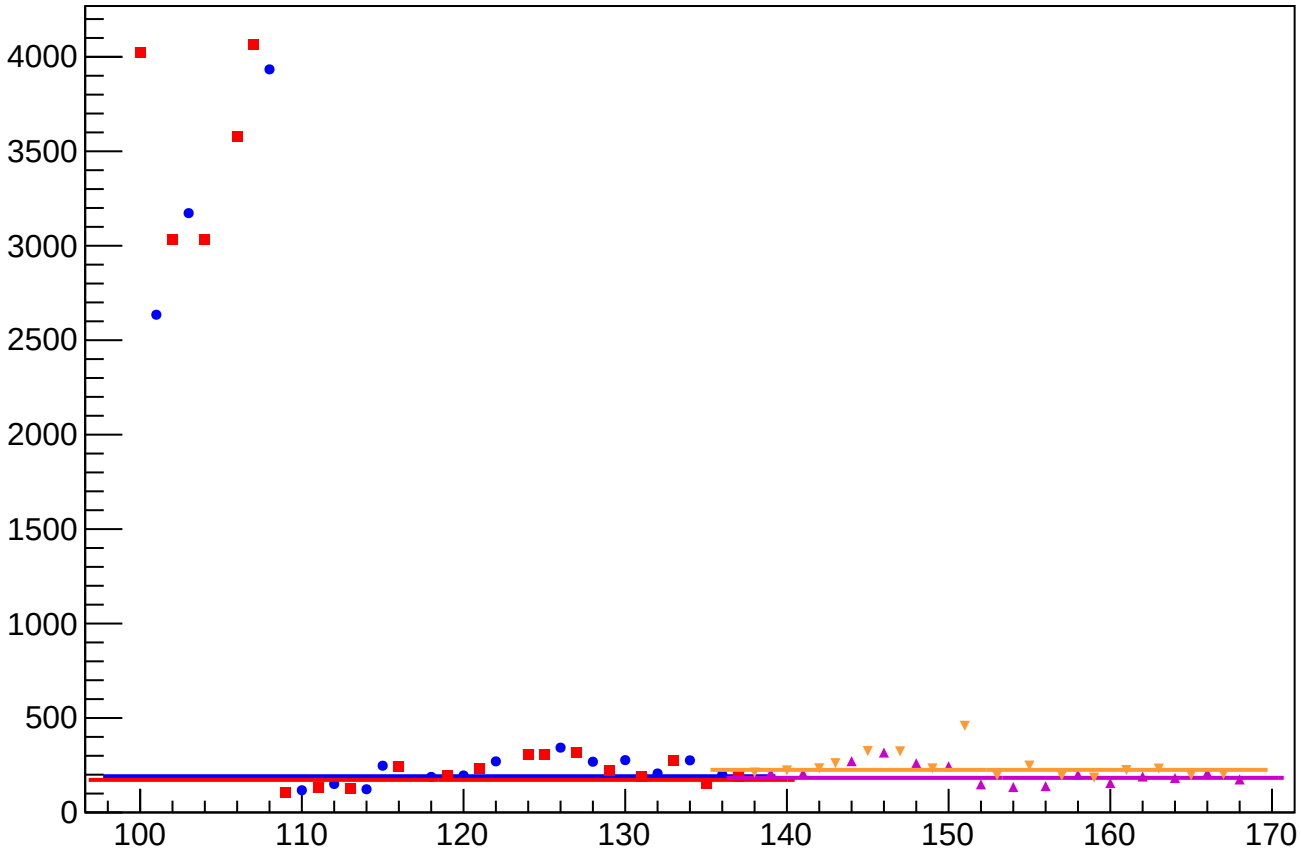
Left: 129.170+/-42.151 χ^2/NDF: 12.4/30

Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 86.574+/-46.087 χ^2/NDF:25.7/30

Out: 30.220+/-50.291 χ^2/NDF:26.5/34

All: 60.850+/-33.978 χ^2/NDF: 52.9/65



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 225.464+/-0.046 χ^2/NDF:975062.4/15

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 183.174+/-0.039 χ^2/NDF:1320244.9/14

Left: 200.563+/-0.030 χ^2/NDF: 2782736.8/30

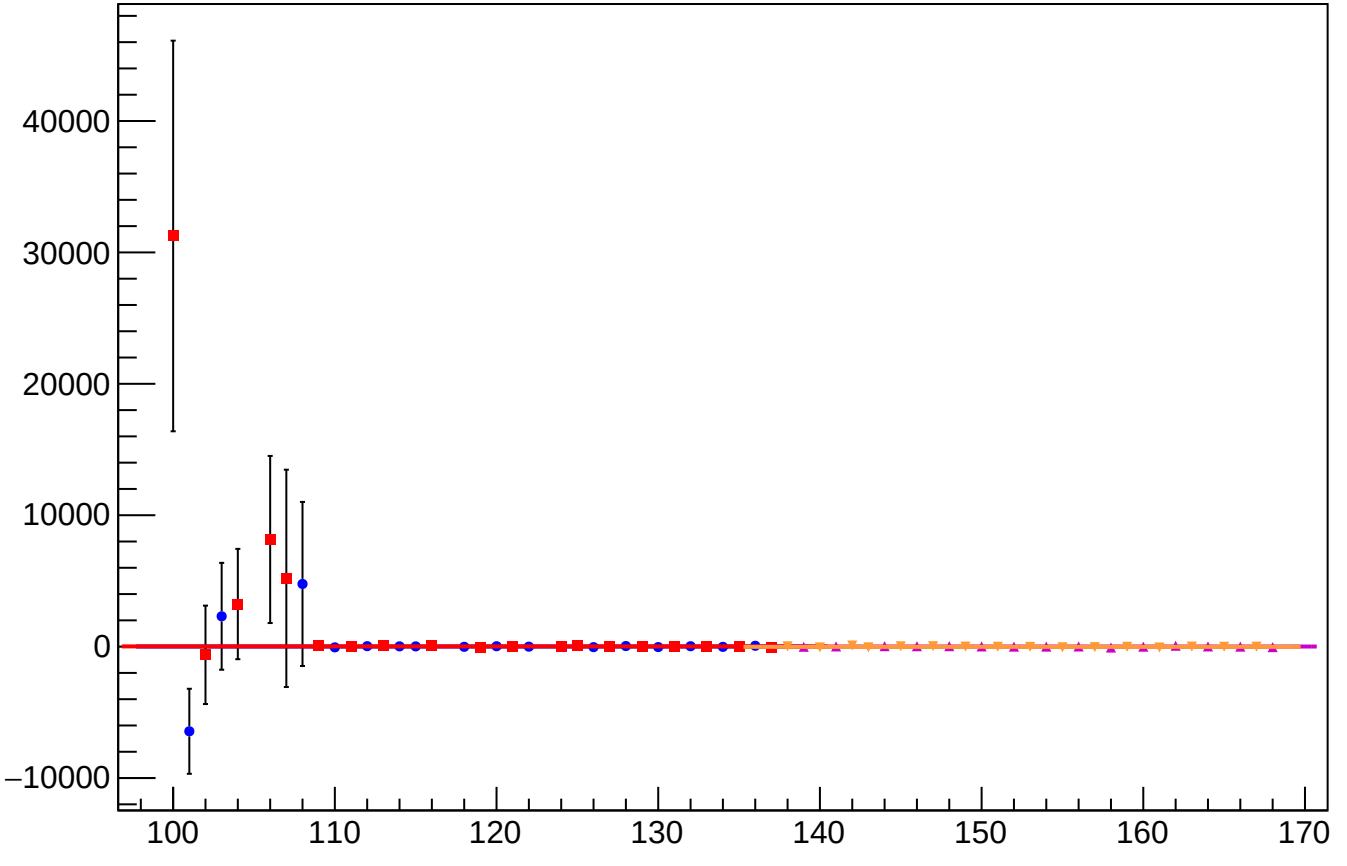
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.709+/-0.033 χ^2/NDF:5156434.6/30

Out: 203.486+/-0.036 χ^2/NDF:5817362.3/34

All: 193.823+/-0.024 χ^2/NDF: 11109632.7/65

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: -15.004+/-8.139 χ^2/NDF:17.7/15

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 8.100+/-8.203 χ^2/NDF:16.4/14

Left: -3.542+/-5.778 χ^2/NDF: 38.0/30

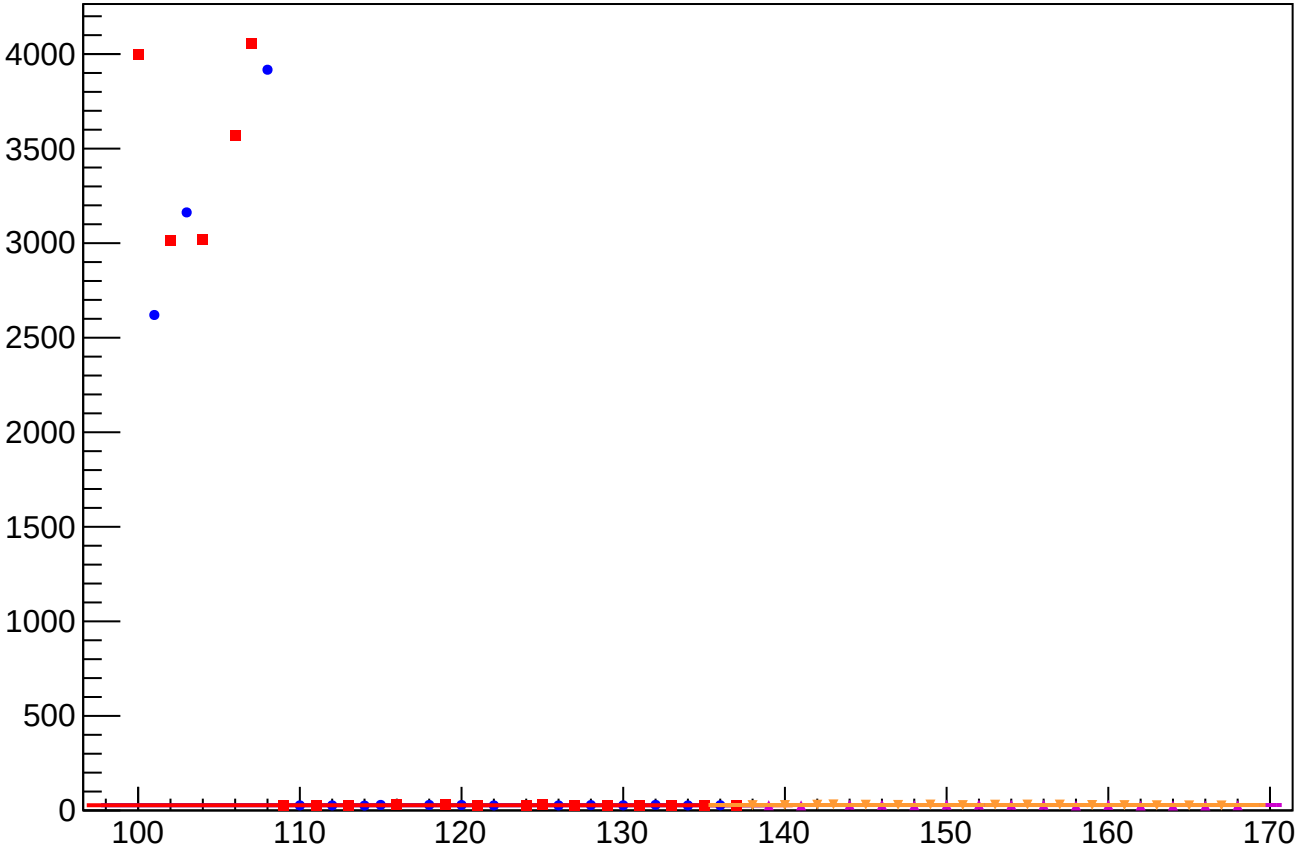
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 8.587+/-6.714 χ^2/NDF:32.4/30

Out: -4.336+/-6.701 χ^2/NDF:47.8/34

All: 2.113+/-4.743 χ^2/NDF: 82.0/65

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.833+/-0.006 χ^2/NDF:79509.0/15

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.777+/-0.006 χ^2/NDF:108698.9/14

Left: 28.805+/-0.004 χ^2/NDF: 188254.8/30

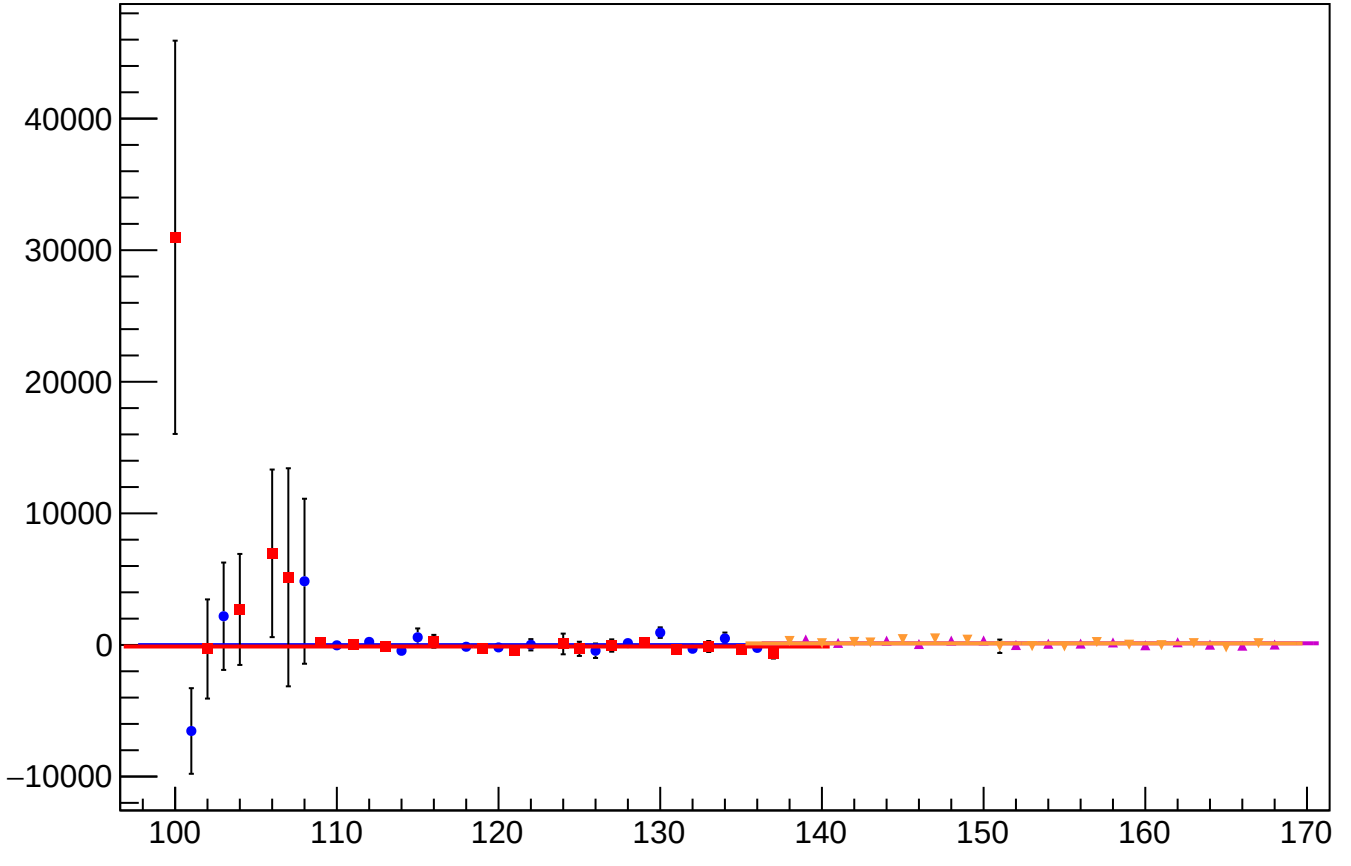
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.402+/-0.005 χ^2/NDF:3386841.6/30

Out: 28.414+/-0.005 χ^2/NDF:3651129.2/34

All: 28.408+/-0.003 χ^2/NDF: 7037974.3/65

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.324+/-65.594 χ^2/NDF:7.8/15

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 126.744+/-54.828 χ^2/NDF:5.6/14

Left: 123.692+/-42.067 χ^2/NDF: 13.4/30

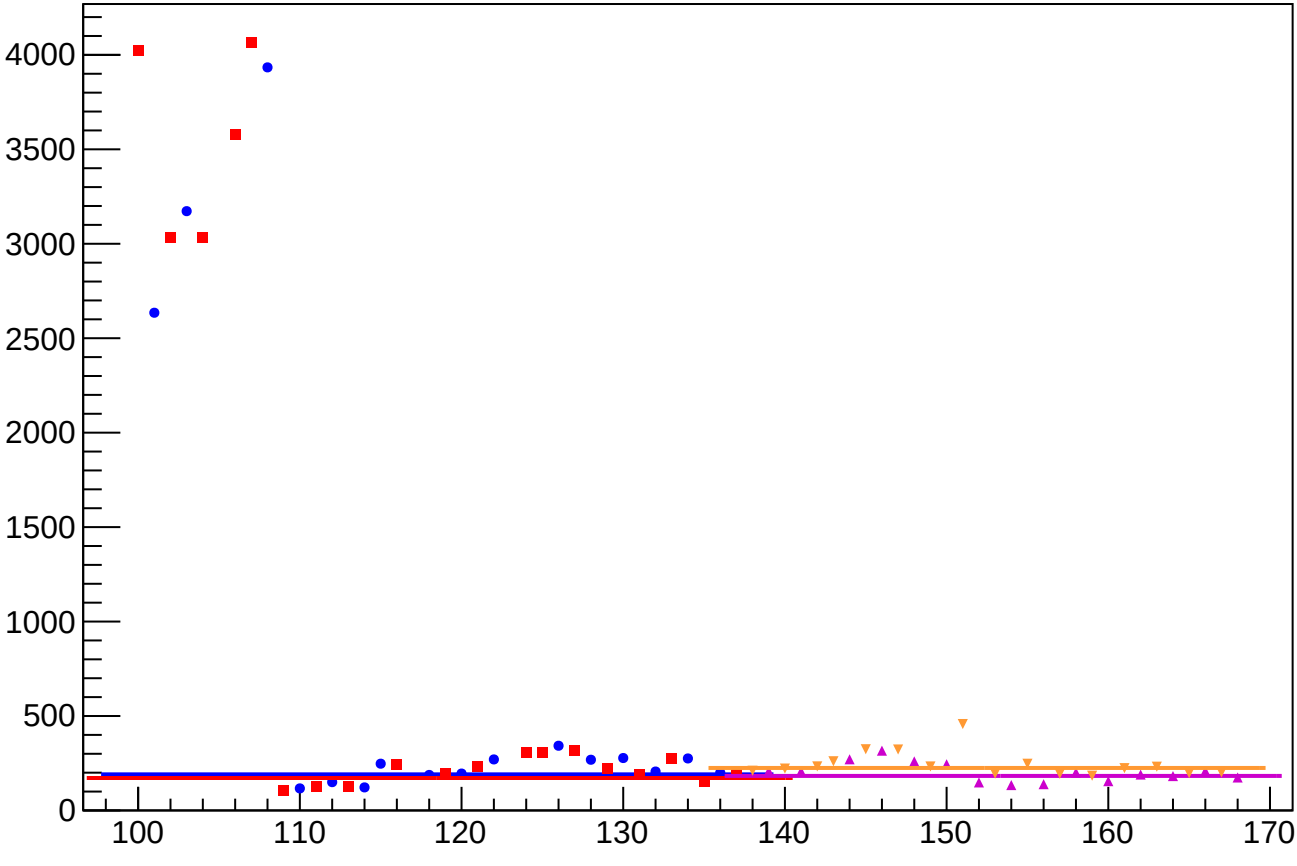
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 85.262+/-45.987 χ^2/NDF:25.8/30

Out: 20.785+/-50.165 χ^2/NDF:27.7/34

All: 55.820+/-33.899 χ^2/NDF: 54.4/65

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: 224.987+/-0.046 χ^2/NDF:974819.6/15

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.836+/-0.039 χ^2/NDF:1319788.5/14

Left: 200.173+/-0.030 χ^2/NDF: 2780805.5/30

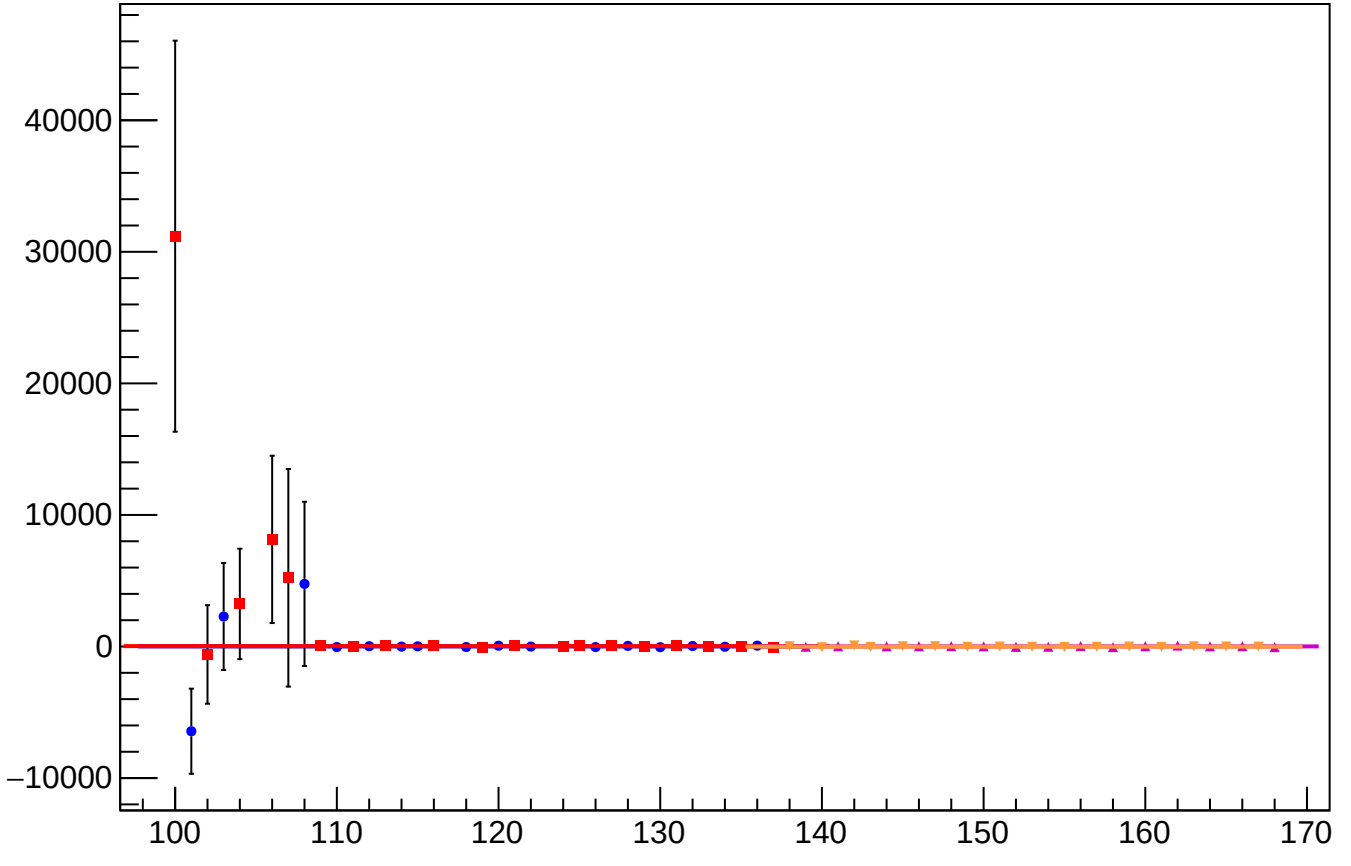
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.277+/-0.033 χ^2/NDF:5167114.7/30

Out: 202.924+/-0.035 χ^2/NDF:5834670.3/34

All: 193.335+/-0.024 χ^2/NDF: 11136258.7/65

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: -8.504+/-8.202 χ^2/NDF:11.2/15

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 8.946+/-8.254 χ^2/NDF:16.0/14

Left: 0.165+/-5.818 χ^2/NDF: 29.4/30

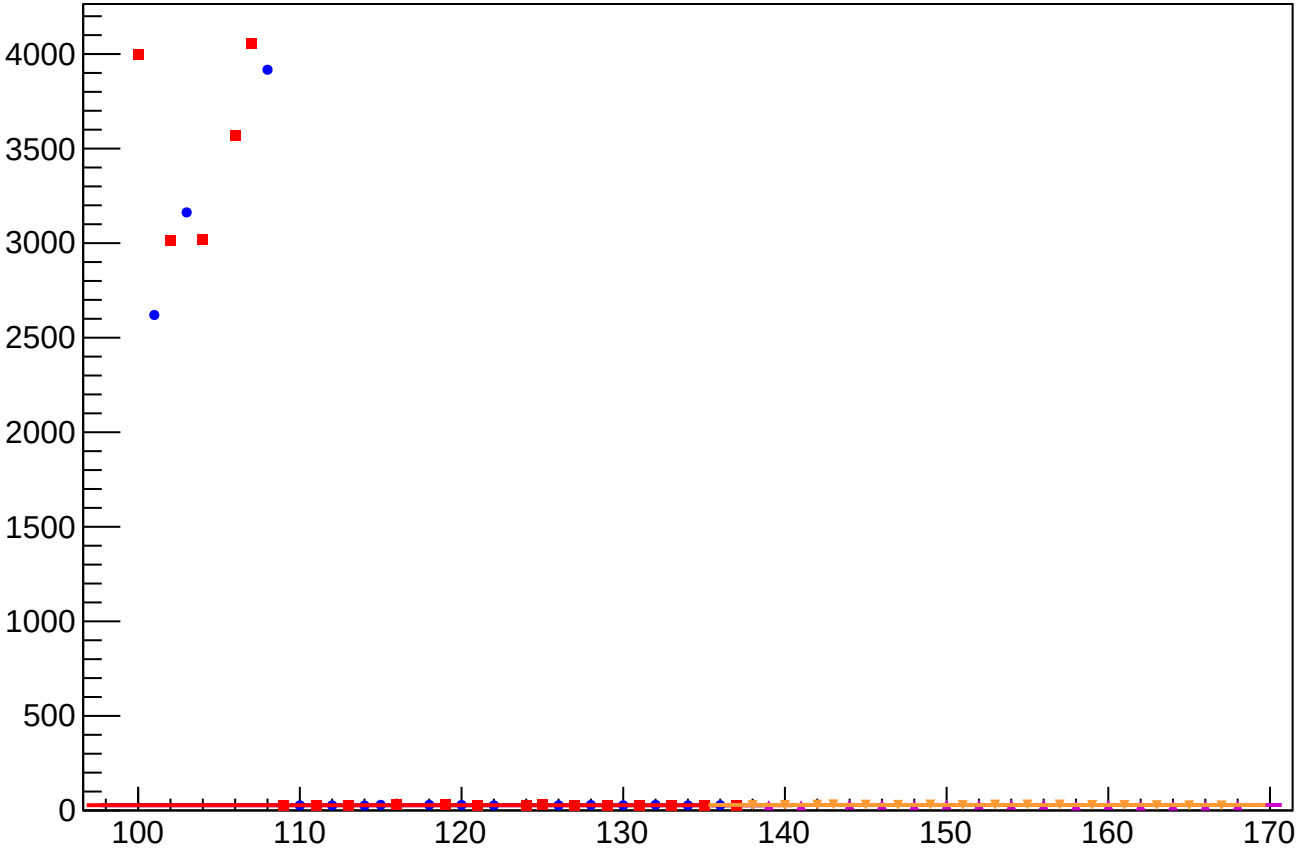
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 8.135+/-6.757 χ^2/NDF:34.3/30

Out: 4.204+/-6.753 χ^2/NDF:38.6/34

All: 6.169+/-4.777 χ^2/NDF: 73.0/65

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: 29.049+/-0.006 χ^2/NDF:84398.7/15

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.959+/-0.006 χ^2/NDF:109573.3/14

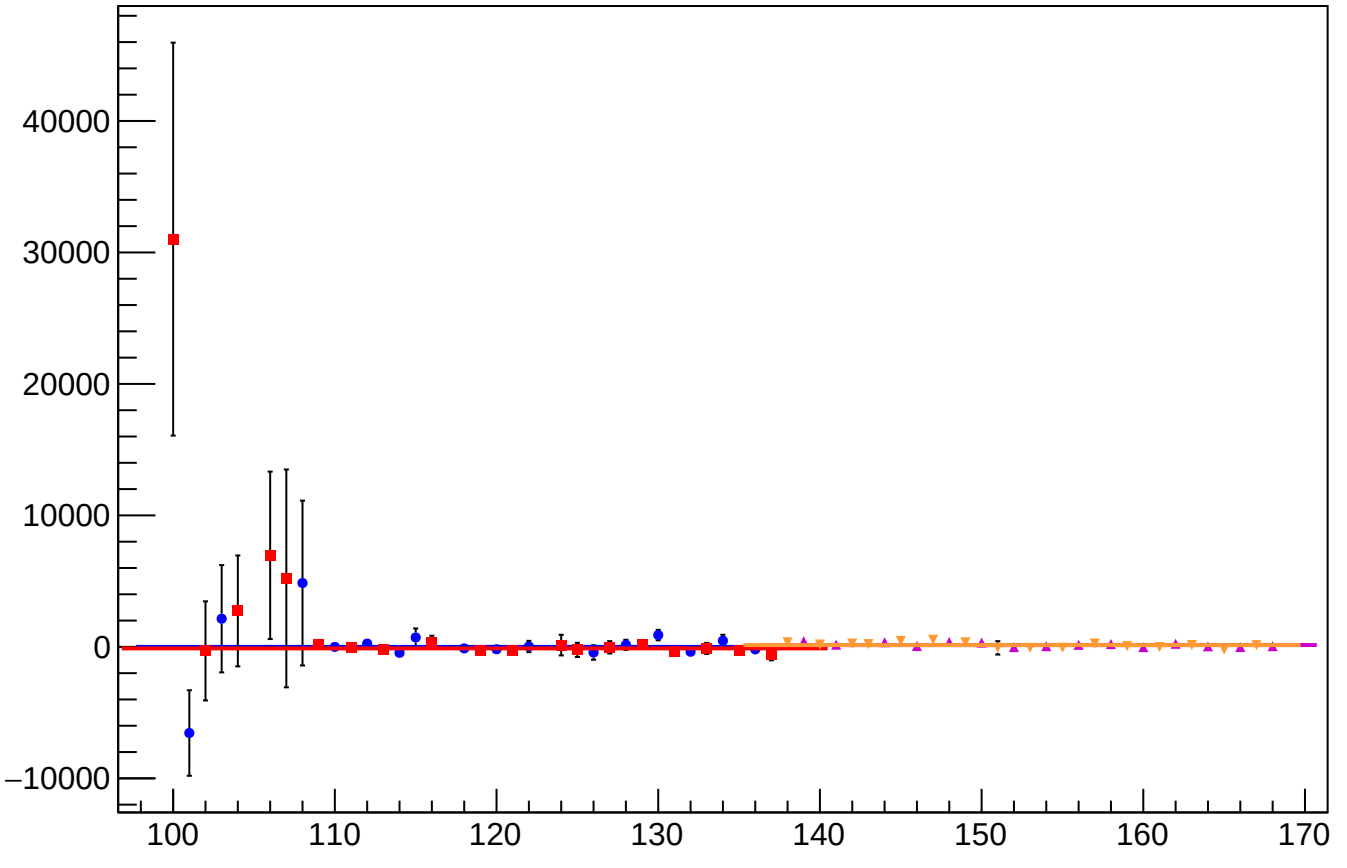
Left: 29.004+/-0.004 χ^2/NDF: 194089.9/30

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.585+/-0.005 χ^2/NDF:3387930.1/30

Out: 28.632+/-0.005 χ^2/NDF:3659130.2/34

All: 28.608+/-0.003 χ^2/NDF: 7047107.8/65



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 135.303+/-66.216 χ^2/NDF:7.7/15

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 138.477+/-55.504 χ^2/NDF:6.0/14

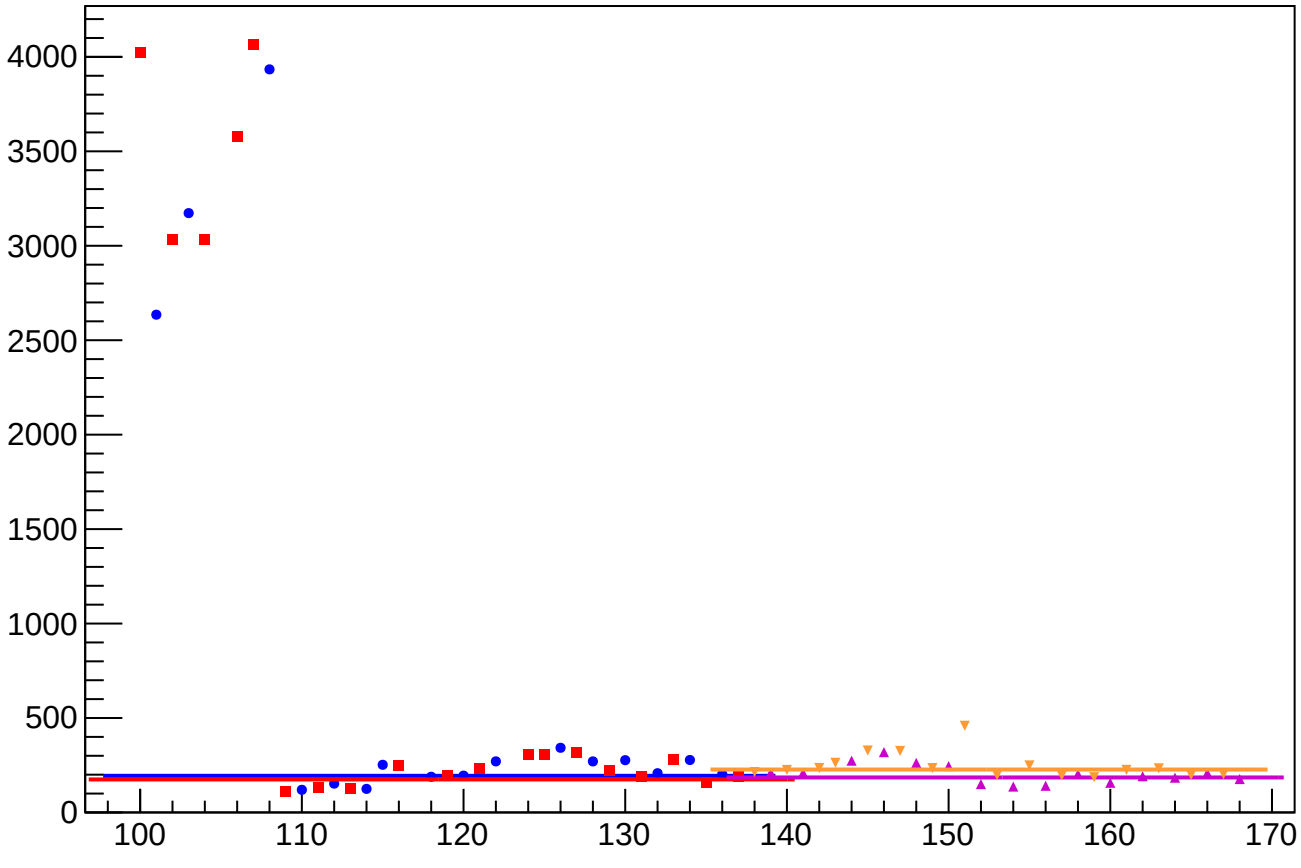
Left: 137.167+/-42.537 χ^2/NDF: 13.7/30

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 96.598+/-46.556 χ^2/NDF:26.1/30

Out: 31.633+/-50.735 χ^2/NDF:27.4/34

All: 66.901+/-34.302 χ^2/NDF: 54.5/65



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 227.212+/-0.047 χ^2/NDF:968044.1/15

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 185.269+/-0.039 χ^2/NDF:1292290.4/14

Left: 202.577+/-0.030 χ^2/NDF: 2731639.4/30

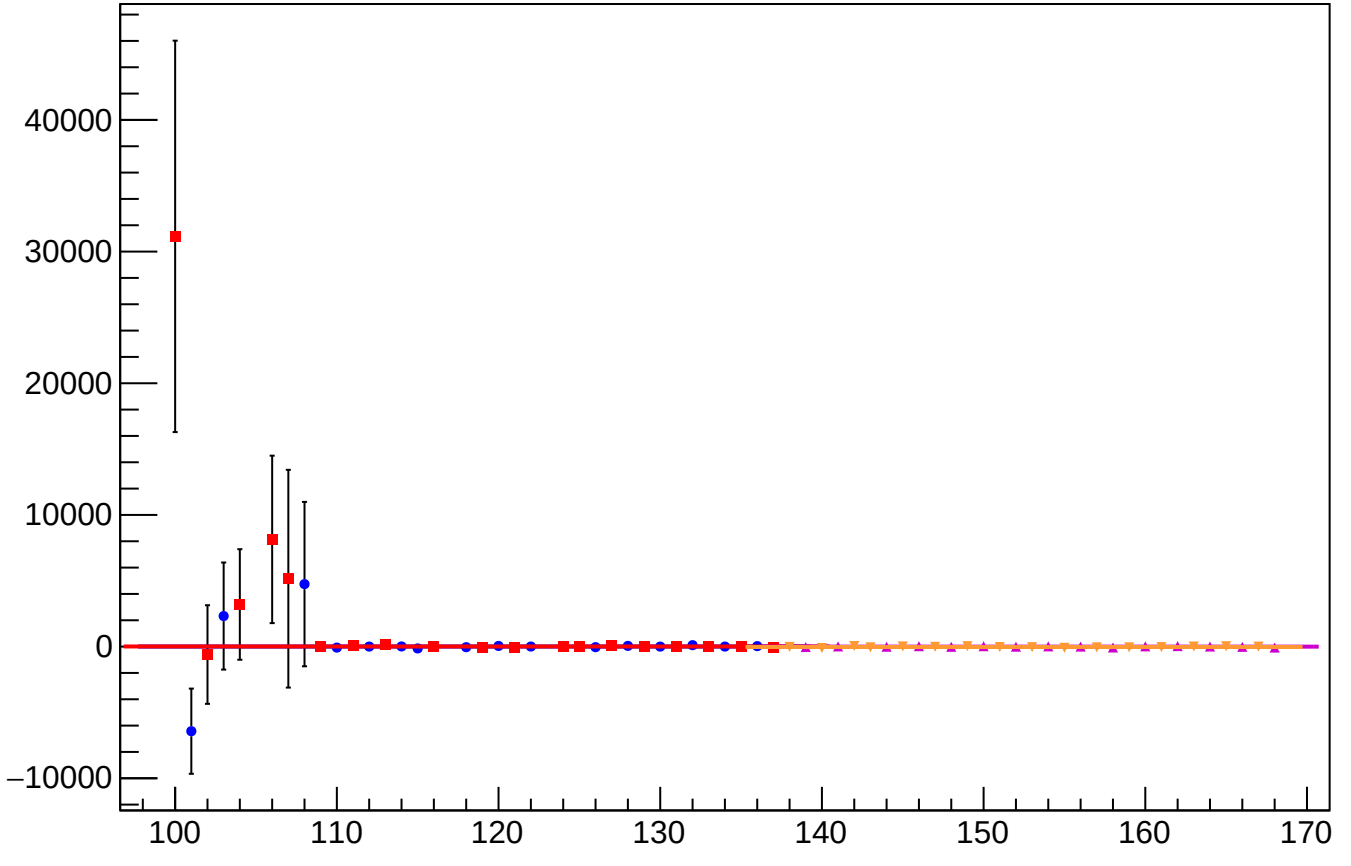
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.841+/-0.033 χ^2/NDF:5091249.7/30

Out: 205.561+/-0.036 χ^2/NDF:5745189.6/34

All: 195.941+/-0.024 χ^2/NDF: 10968878.6/65

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: -29.511+/-9.715 χ^2/NDF:17.0/15

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -3.046+/-9.811 χ^2/NDF:11.7/14

Left: -16.408+/-6.903 χ^2/NDF: 32.3/30

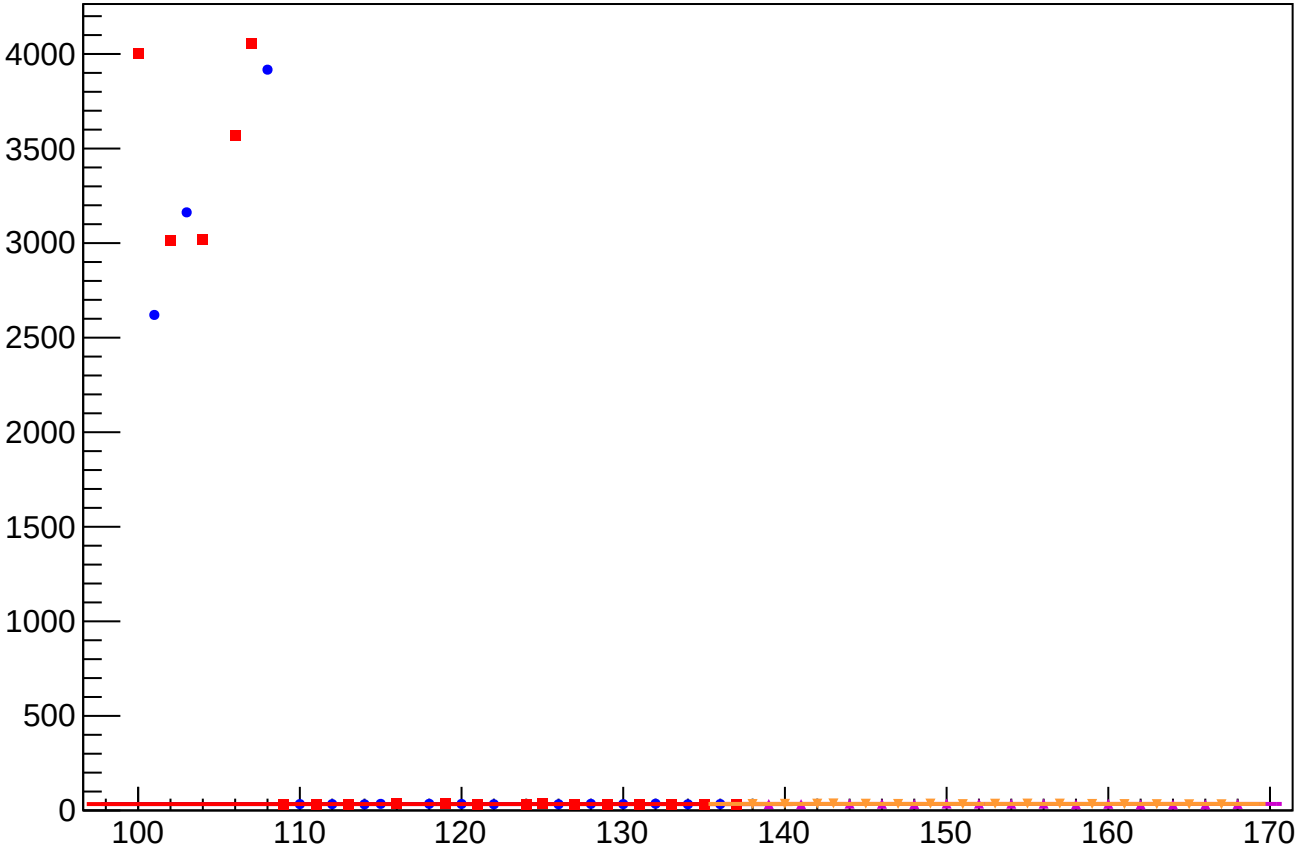
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.261+/-8.091 χ^2/NDF:29.4/30

Out: -17.190+/-8.059 χ^2/NDF:45.6/34

All: -8.759+/-5.710 χ^2/NDF: 77.2/65

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: 34.470+/-0.007 χ^2/NDF:36832.4/15

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.491+/-0.007 χ^2/NDF:48889.8/14

Left: 34.480+/-0.005 χ^2/NDF: 85726.6/30

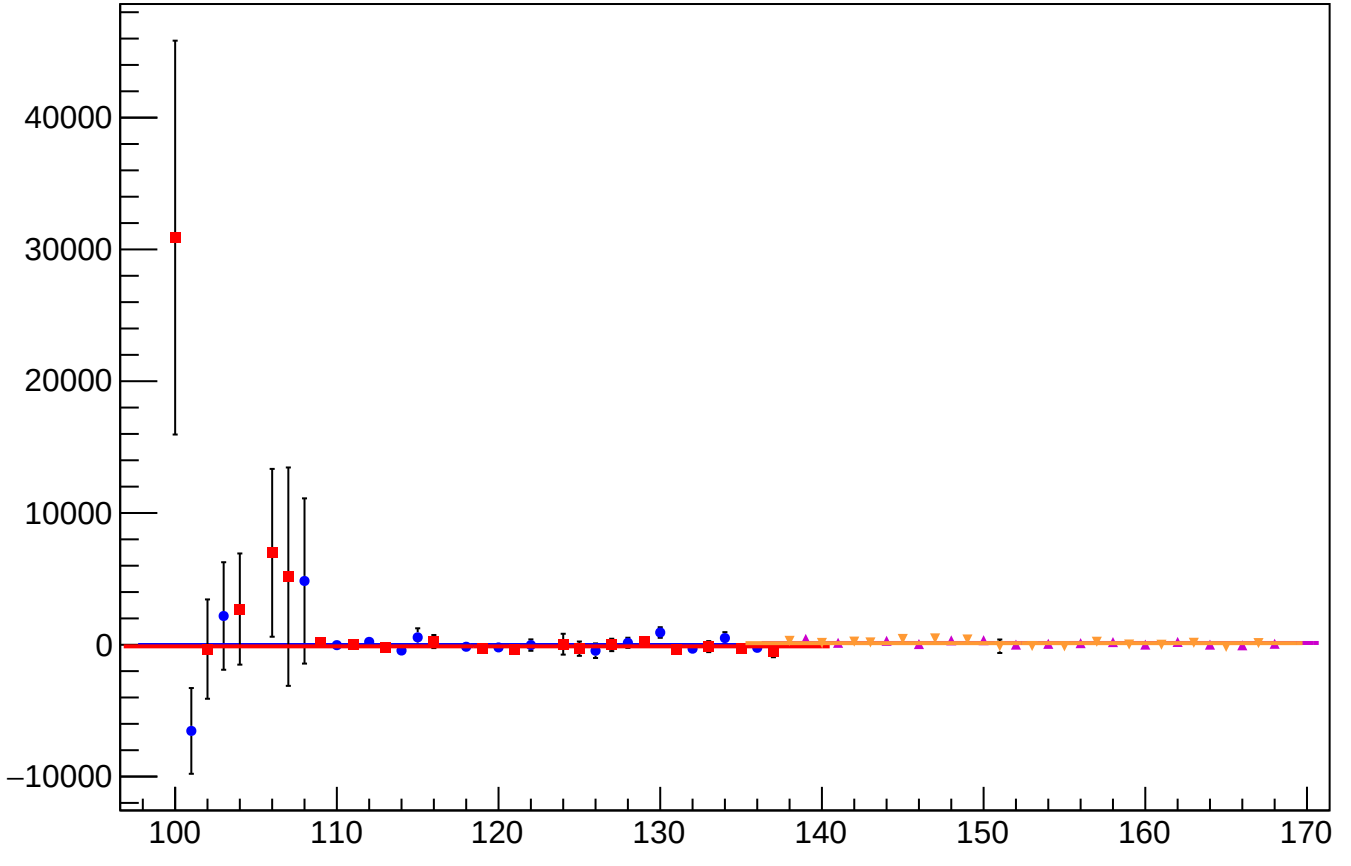
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.302+/-0.006 χ^2/NDF:3295595.5/30

Out: 34.238+/-0.006 χ^2/NDF:3566954.8/34

All: 34.270+/-0.004 χ^2/NDF: 6862611.9/65

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: 123.406+/-66.094 χ^2/NDF:7.5/15

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 136.210+/-55.349 χ^2/NDF:5.3/14

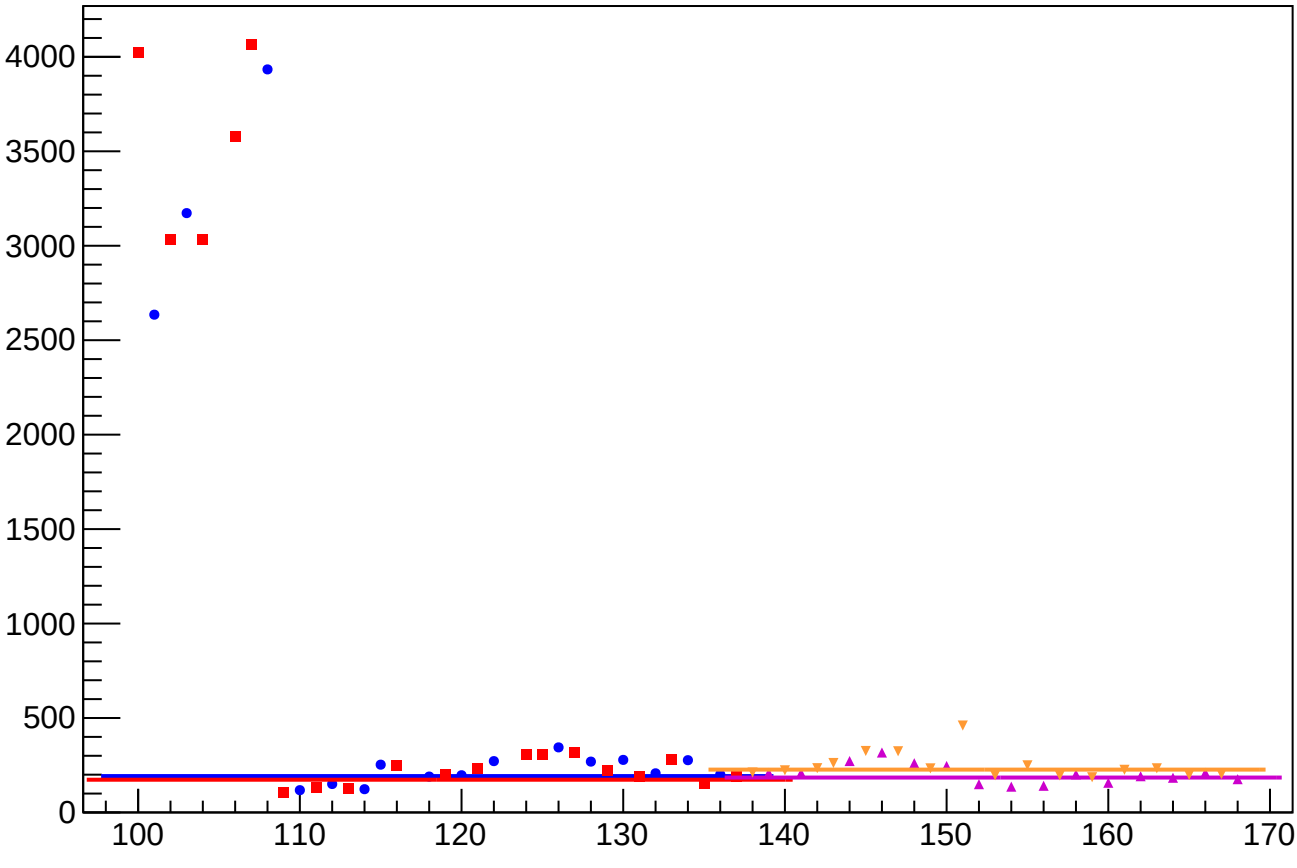
Left: 130.932+/-42.435 χ^2/NDF: 12.8/30

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 89.888+/-46.392 χ^2/NDF:25.9/30

Out: 22.398+/-50.548 χ^2/NDF:26.4/34

All: 59.031+/-34.179 χ^2/NDF: 53.2/65



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 226.812+/-0.047 χ^2/NDF:959365.4/15

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.757+/-0.039 χ^2/NDF:1279997.5/14

Left: 202.092+/-0.030 χ^2/NDF: 2715306.7/30

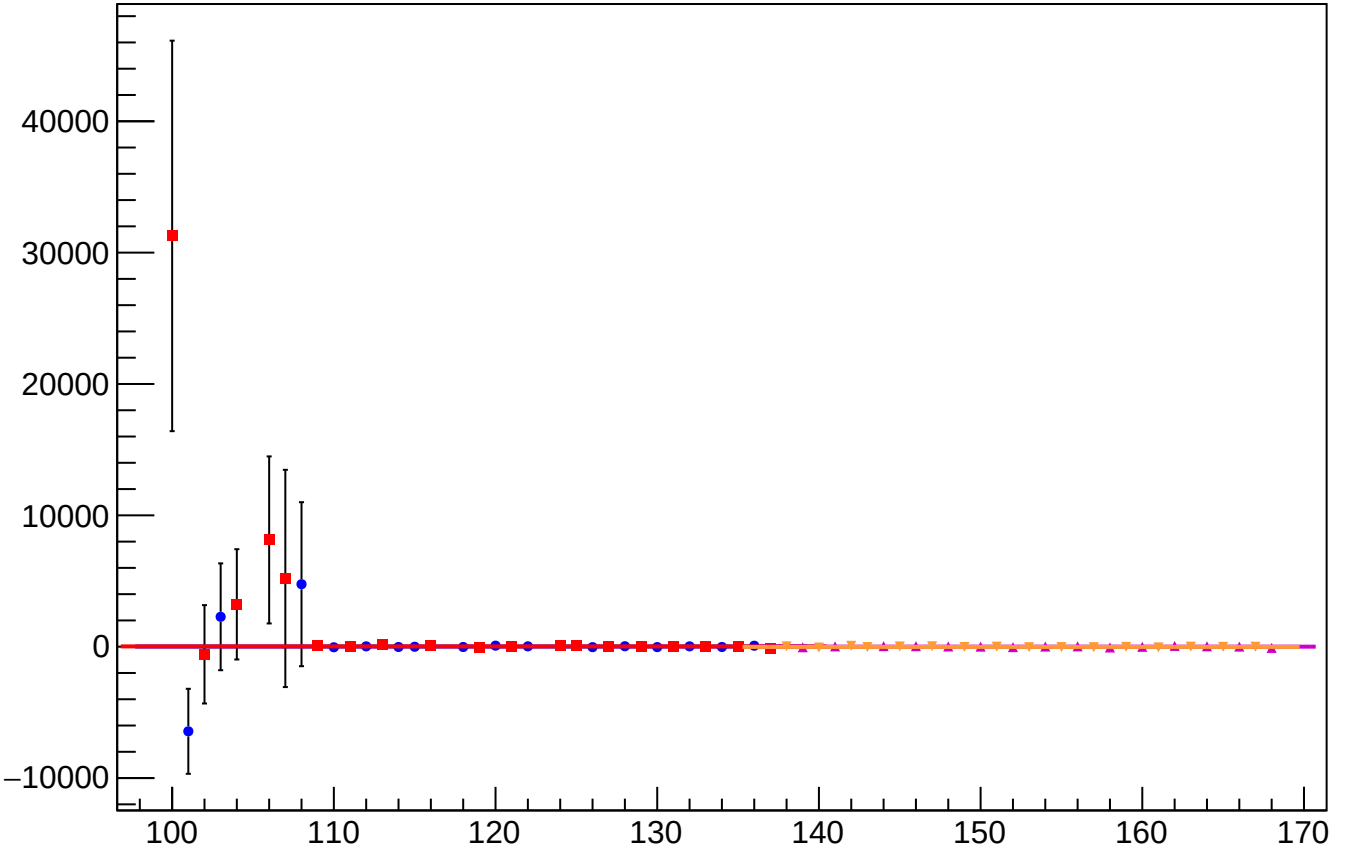
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.078+/-0.033 χ^2/NDF:5114609.5/30

Out: 204.577+/-0.036 χ^2/NDF:5812034.2/34

All: 195.079+/-0.024 χ^2/NDF: 11056748.6/65

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.999+/-8.827 χ^2/NDF:11.7/15

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 3.476+/-8.891 χ^2/NDF:22.5/14

Left: -5.828+/-6.264 χ^2/NDF: 36.3/30

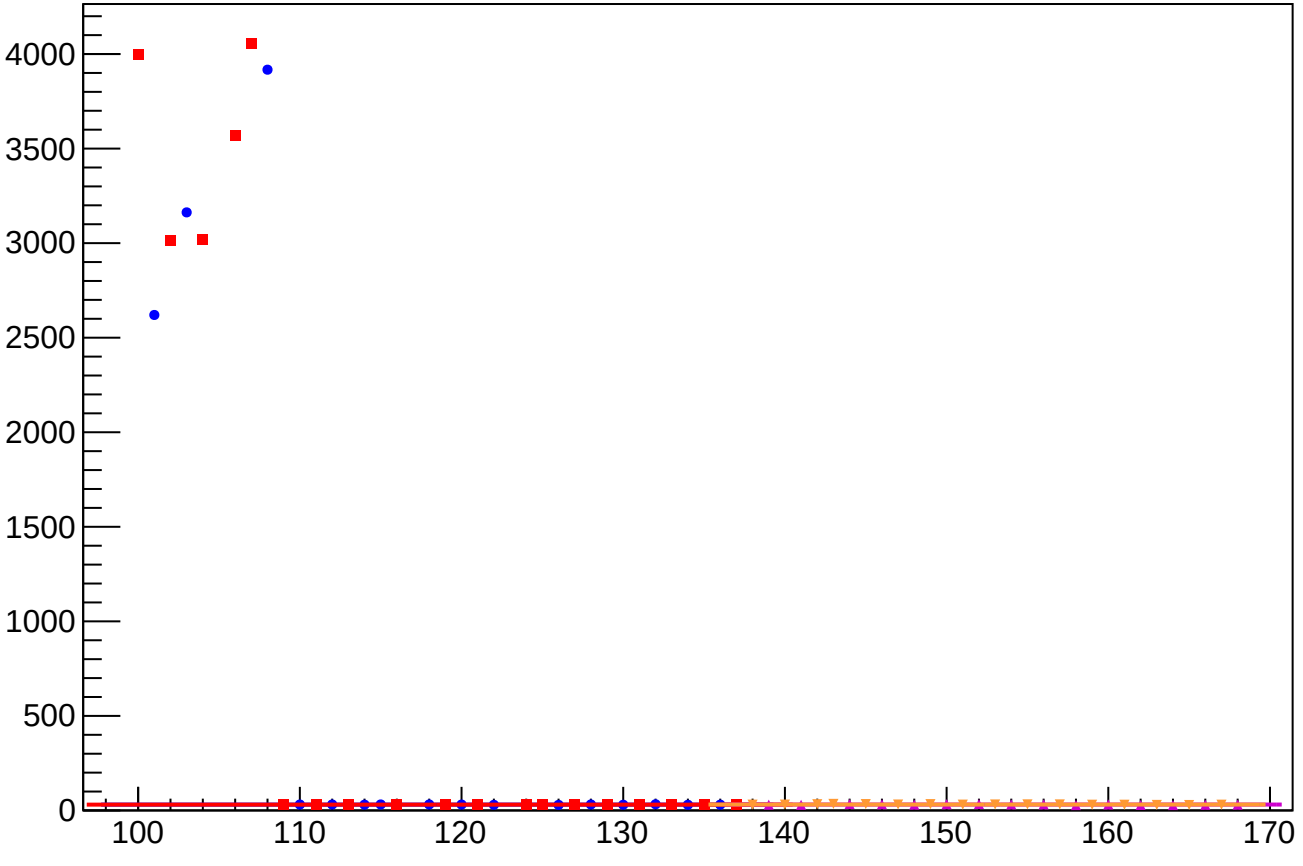
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 6.717+/-7.350 χ^2/NDF:38.4/30

Out: -3.162+/-7.334 χ^2/NDF:46.2/34

All: 1.767+/-5.192 χ^2/NDF: 85.4/65

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: 31.291+/-0.006 χ^2/NDF:58029.2/15

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.215+/-0.006 χ^2/NDF:76829.4/14

Left: 31.253+/-0.004 χ^2/NDF: 134933.1/30

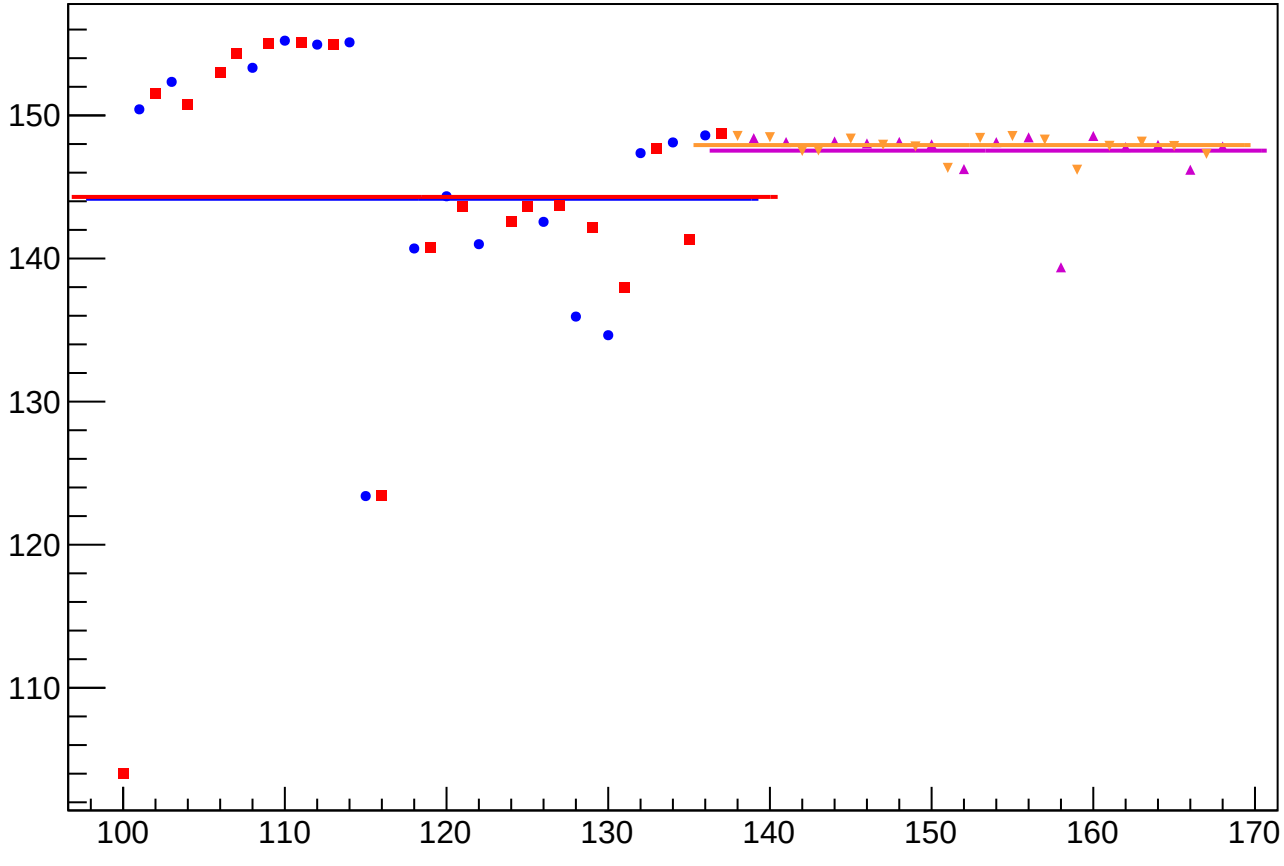
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.124+/-0.005 χ^2/NDF:3330094.9/30

Out: 31.132+/-0.005 χ^2/NDF:3596366.4/34

All: 31.128+/-0.004 χ^2/NDF: 6926462.4/65

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF:33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:288446843.1/14

Left: 147.740+/-0.000 χ^2/NDF: 327773743.0/30

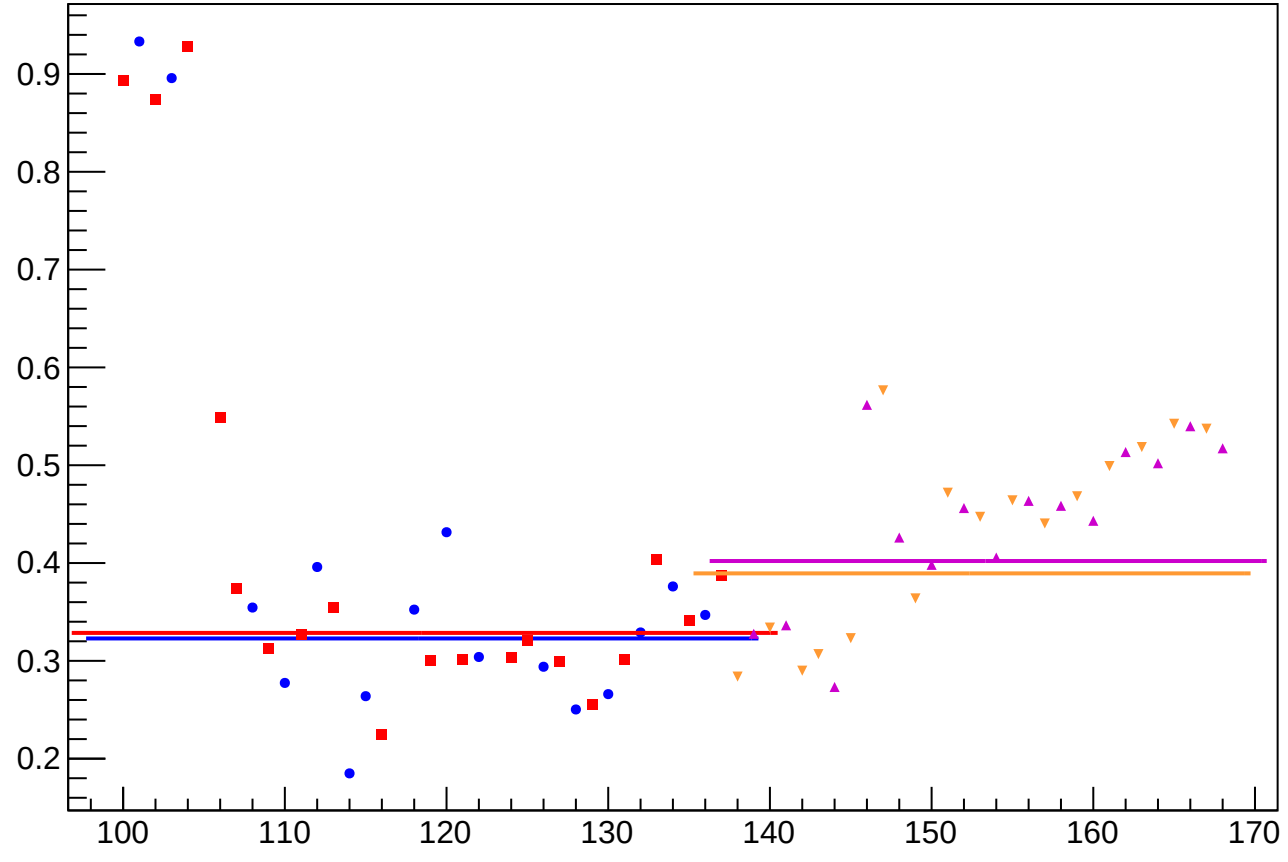
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.032+/-0.000 χ^2/NDF:4369333335.8/30

Out: 146.378+/-0.000 χ^2/NDF:4722551814.9/34

All: 146.208+/-0.000 χ^2/NDF: 9099651549.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.402+/-0.000 χ^2/NDF:1043354.3/14

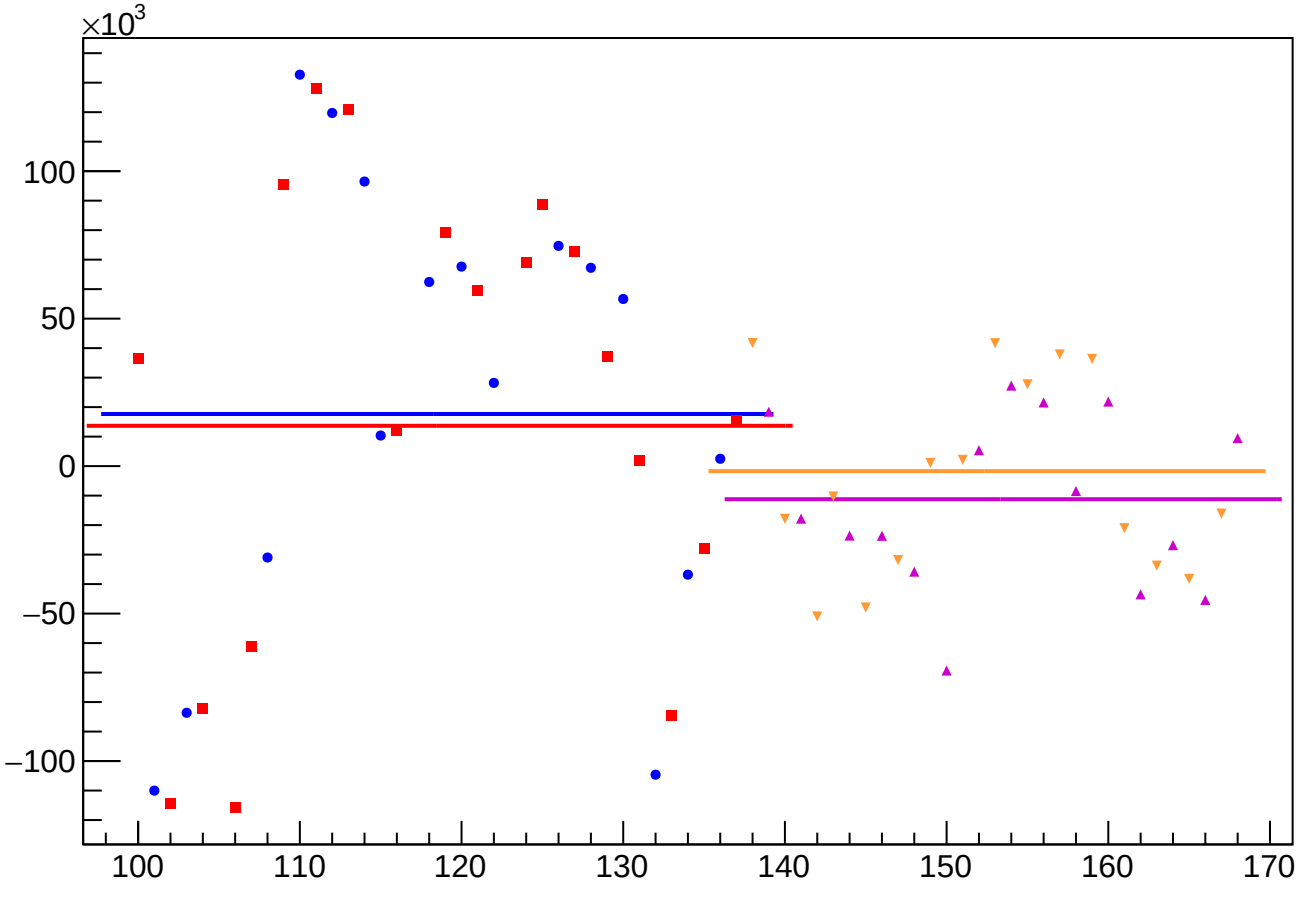
Left: 0.396+/-0.000 χ^2/NDF: 2330884.2/30

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.367+/-0.000 χ^2/NDF:2834510.8/30

Out: 0.363+/-0.000 χ^2/NDF:2819446.9/34

All: 0.365+/-0.000 χ^2/NDF: 5655287.7/65



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -1704.732+/-1.381 χ^2/NDF:518453150.2/15

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -11223.098+/-1.397 χ^2/NDF:432535726.6/14

Left: -6408.175+/-0.982 χ^2/NDF: 974475245.8/30

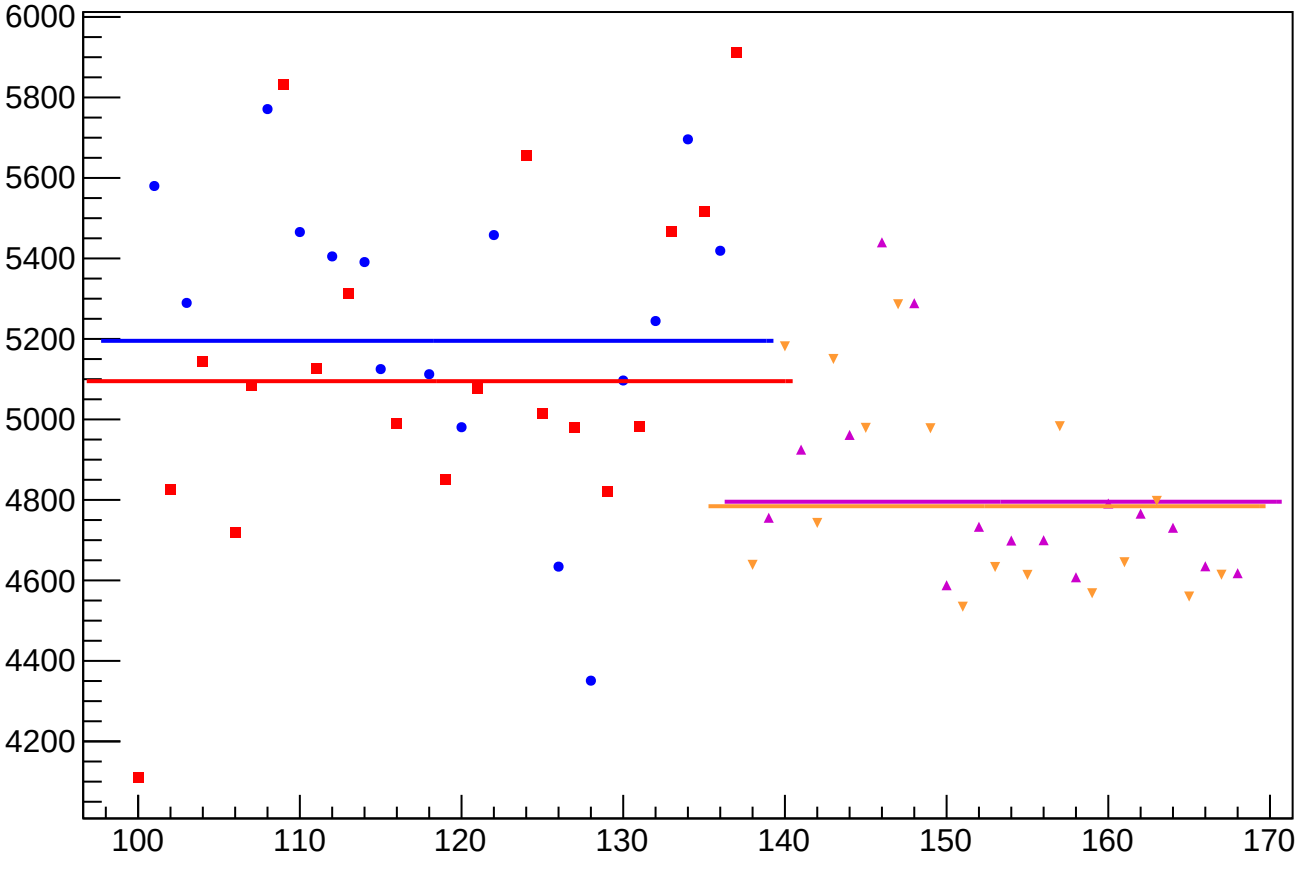
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -1786.644+/-1.146 χ^2/NDF:1970967142.7/30

Out: 3516.688+/-1.122 χ^2/NDF:2417520614.5/34

All: 921.965+/-0.802 χ^2/NDF: 4399420539.2

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4784.305+/-0.976 χ^2/NDF:58159.6/15

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4795.481+/-0.988 χ^2/NDF:51219.6/14

Left: 4789.828+/-0.694 χ^2/NDF: 109443.9/30

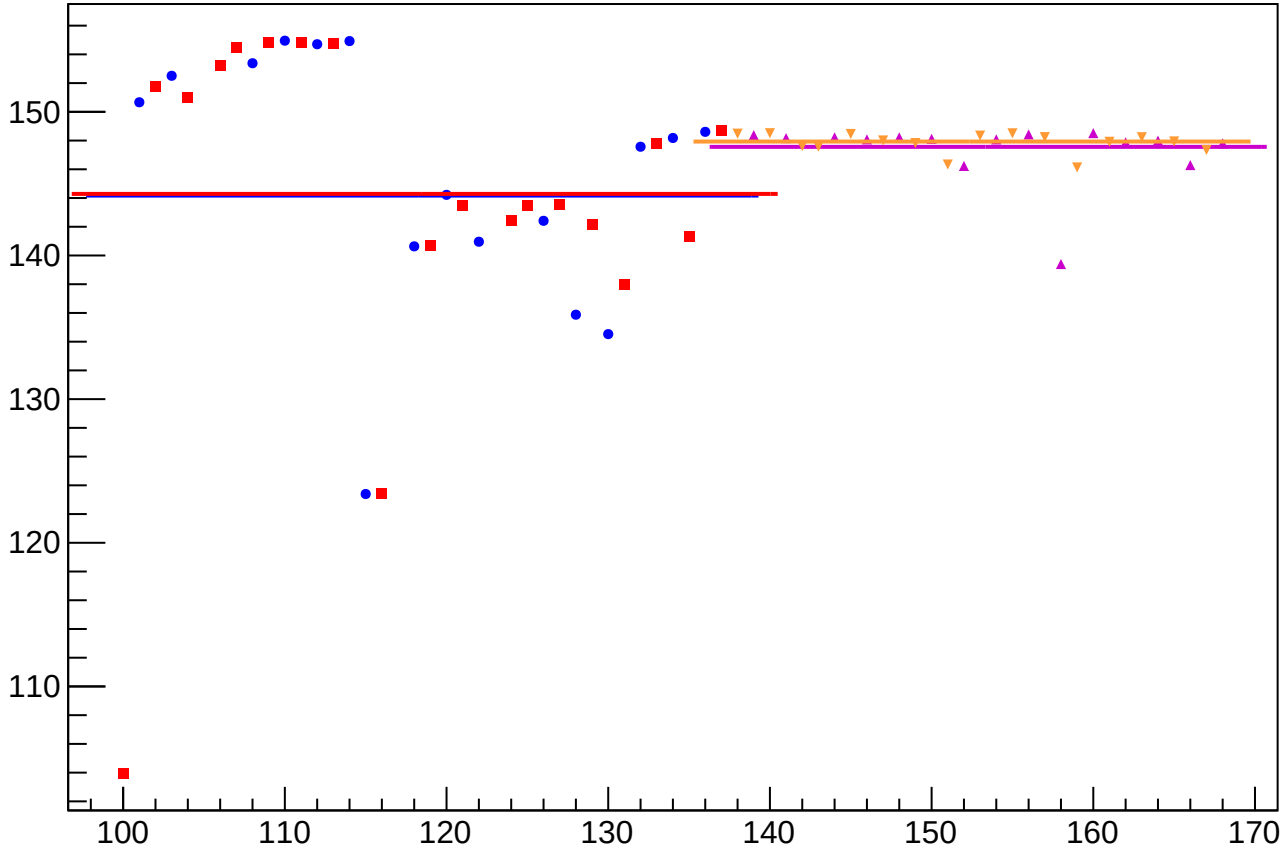
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4926.089+/-0.811 χ^2/NDF:181906.7/30

Out: 4889.862+/-0.793 χ^2/NDF:151687.0/34

All: 4907.587+/-0.567 χ^2/NDF: 334613.9/65

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.932+/-0.000 χ^2/NDF:33784932.0/15

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.562+/-0.000 χ^2/NDF:289244065.1/14

Left: 147.754+/-0.000 χ^2/NDF: 328057133.8/30

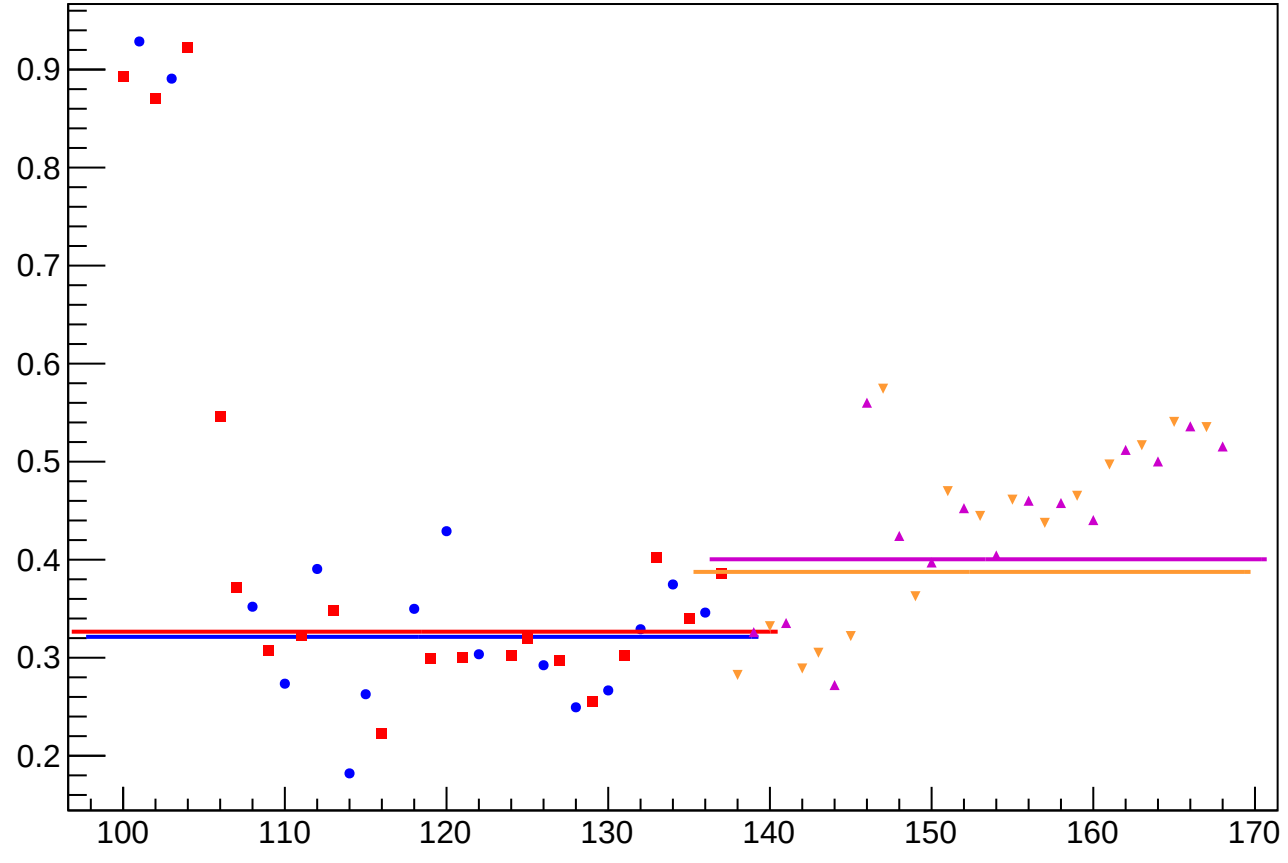
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.042+/-0.000 χ^2/NDF:4419575775.2/30

Out: 146.371+/-0.000 χ^2/NDF:4758243994.9/34

All: 146.210+/-0.000 χ^2/NDF: 9184915021.4

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.388+/-0.000 χ^2/NDF:1276696.3/15

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.400+/-0.000 χ^2/NDF:1041325.3/14

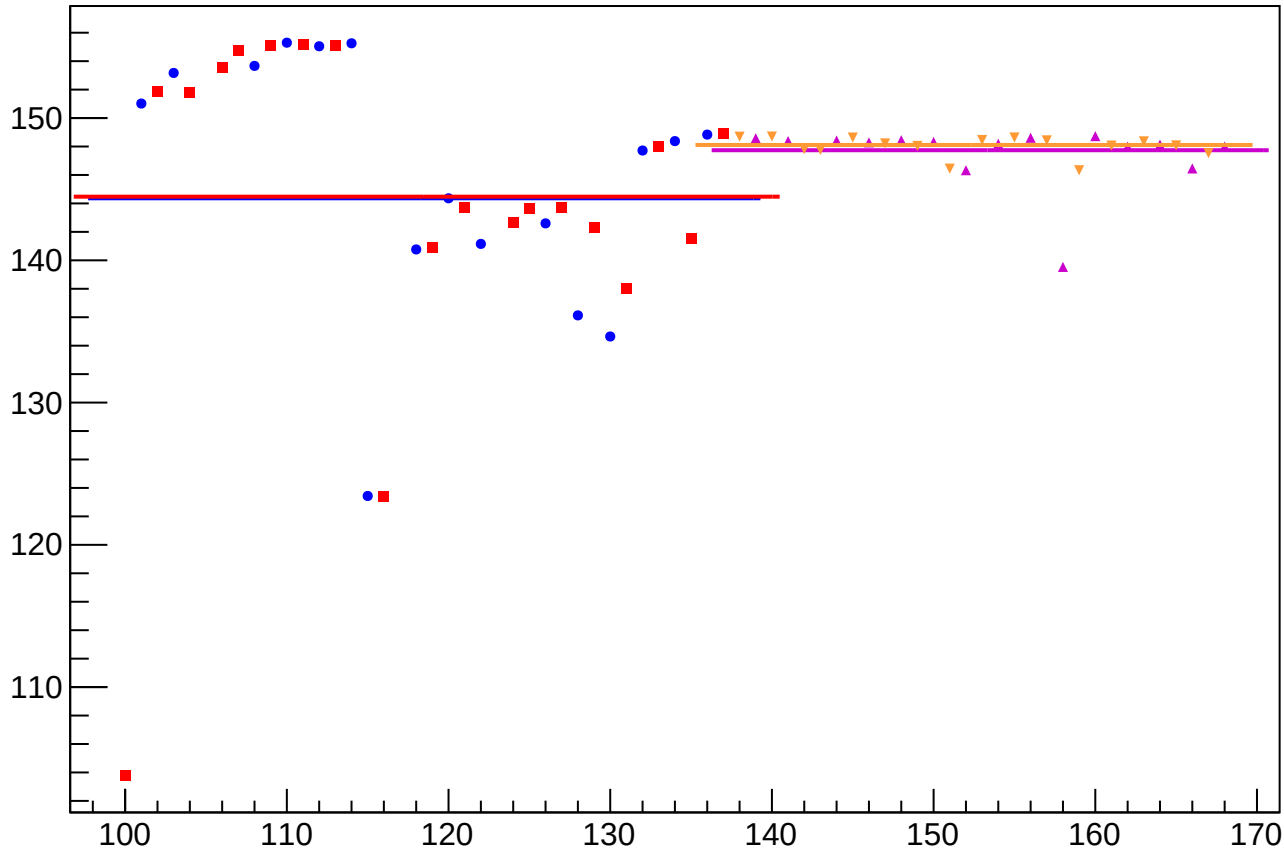
Left: 0.394+/-0.000 χ^2/NDF: 2330201.7/30

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.365+/-0.000 χ^2/NDF:2835814.1/30

Out: 0.361+/-0.000 χ^2/NDF:2822555.2/34

All: 0.363+/-0.000 χ^2/NDF: 5659978.4/65



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.110+/-0.000 χ^2/NDF:33732568.3/15

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.739+/-0.000 χ^2/NDF:293501596.2/14

Left: 147.931+/-0.000 χ^2/NDF: 332254921.2/30

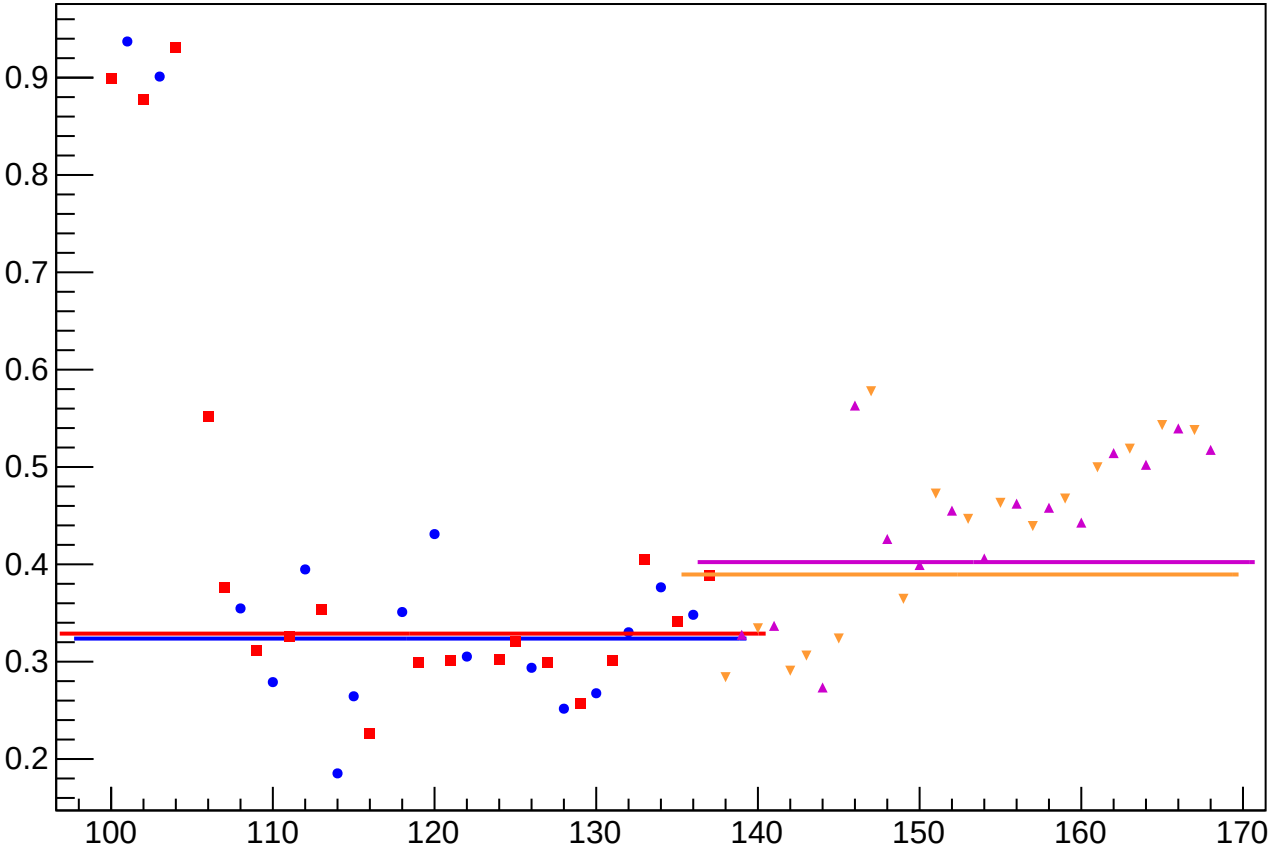
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.229+/-0.000 χ^2/NDF:4410650497.0/30

Out: 146.557+/-0.000 χ^2/NDF:4742427619.7/34

All: 146.396+/-0.000 χ^2/NDF: 9160043748.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.390+/-0.000 χ^2/NDF:1274432.2/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.402+/-0.000 χ^2/NDF:1040519.5/14

Left: 0.396+/-0.000 χ^2/NDF: 2326726.9/30

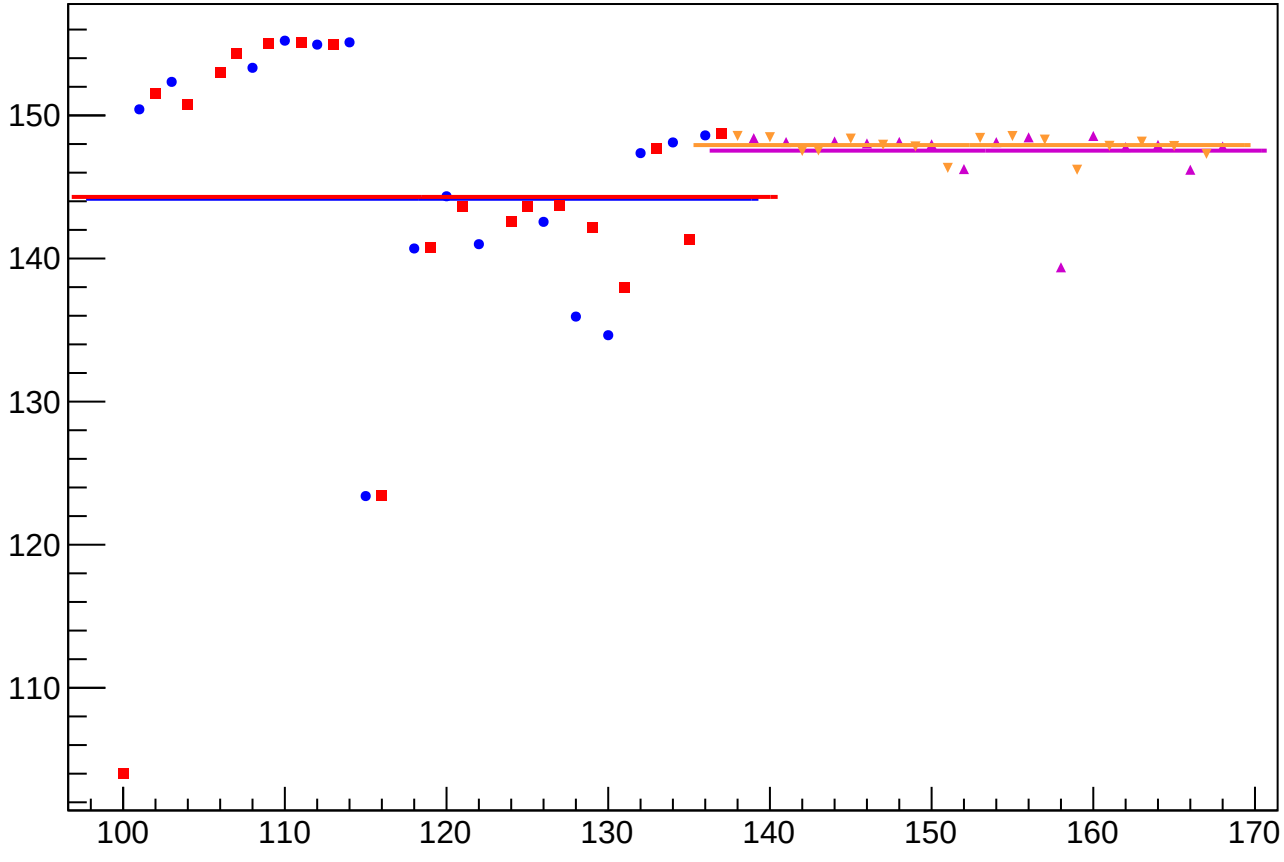
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.367+/-0.000 χ^2/NDF:2820745.3/30

Out: 0.364+/-0.000 χ^2/NDF:2815893.1/34

All: 0.365+/-0.000 χ^2/NDF: 5638269.3/65

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.927+/-0.000 χ^2/NDF:33805600.9/15

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:288446843.1/14

Left: 147.740+/-0.000 χ^2/NDF: 327773743.0/30

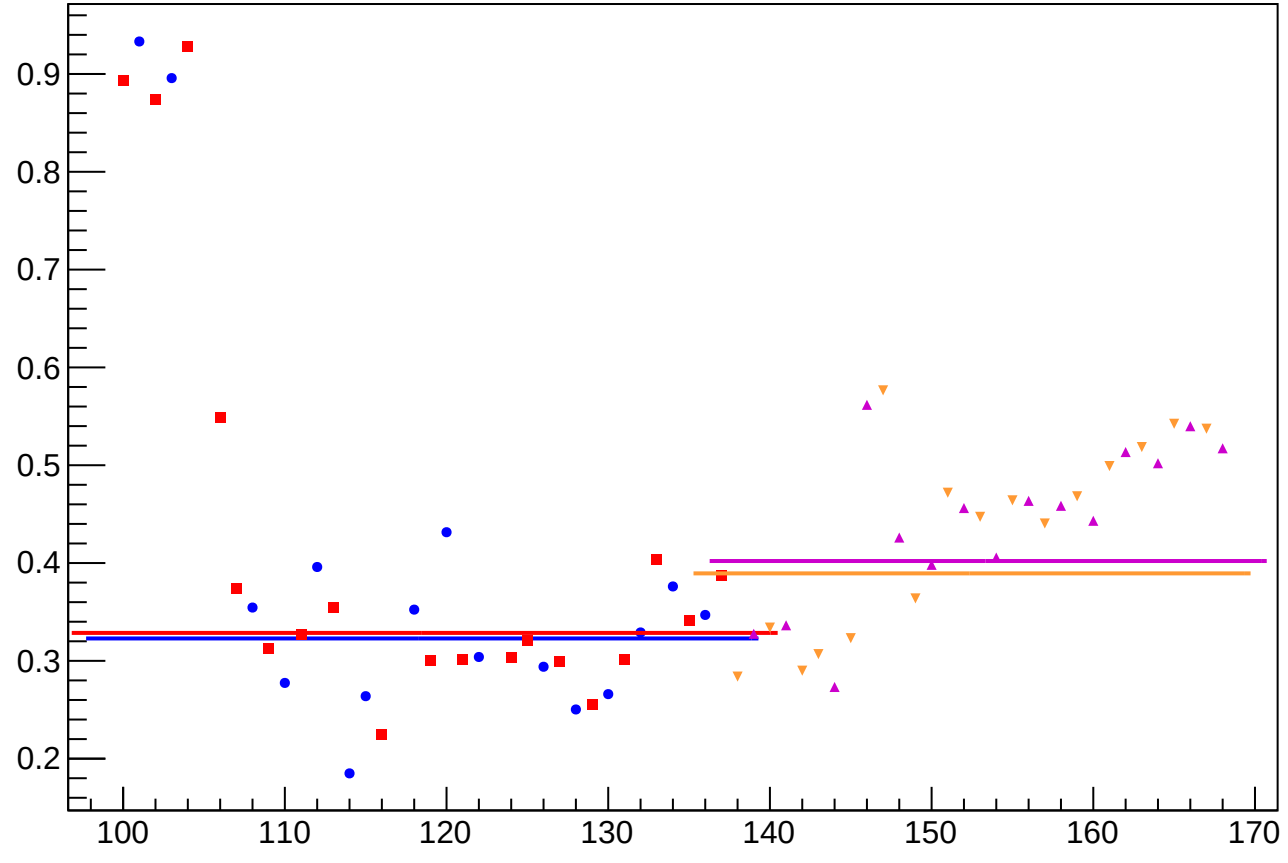
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.032+/-0.000 χ^2/NDF:4369333335.8/30

Out: 146.378+/-0.000 χ^2/NDF:4722551814.9/34

All: 146.208+/-0.000 χ^2/NDF: 9099651549.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.389+/-0.000 χ^2/NDF:1275871.0/15

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.402+/-0.000 χ^2/NDF:1043354.3/14

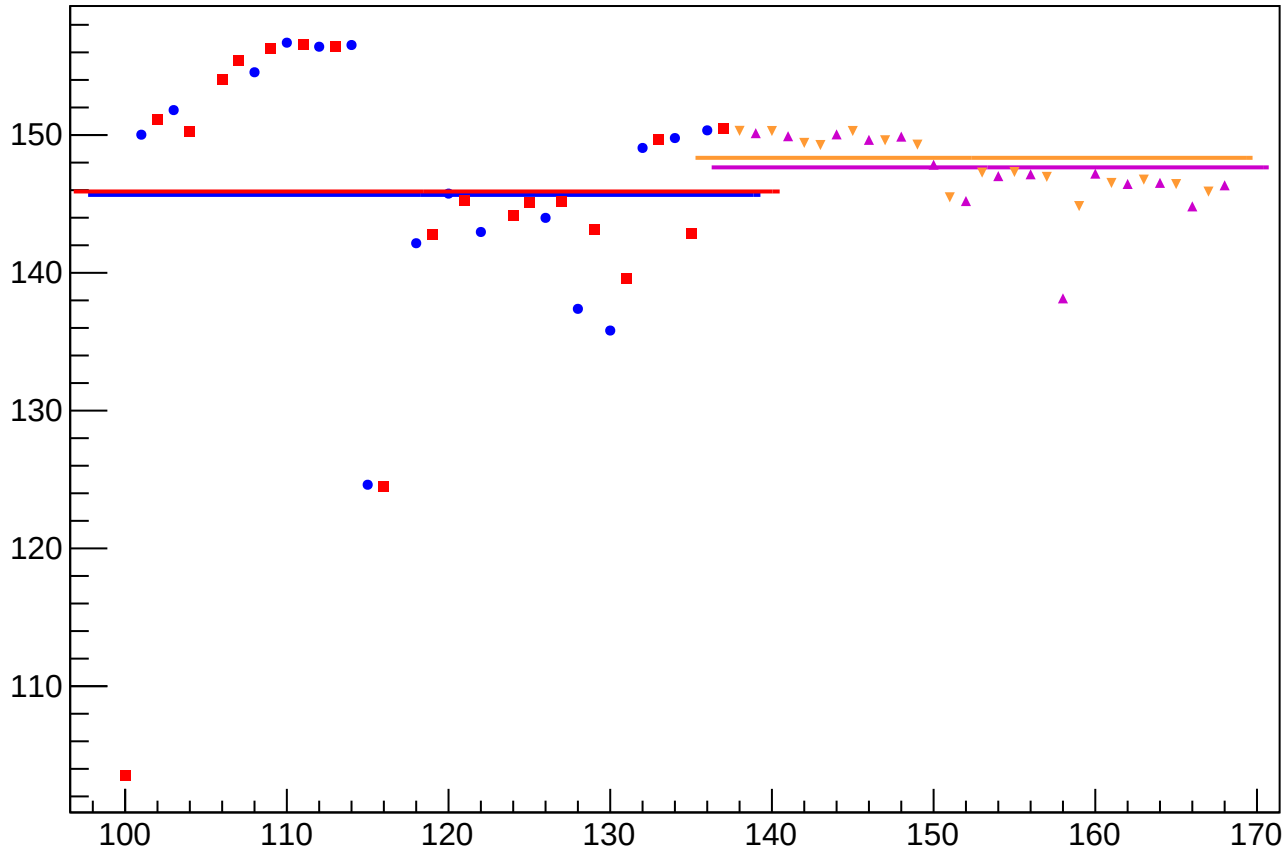
Left: 0.396+/-0.000 χ^2/NDF: 2330884.2/30

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.367+/-0.000 χ^2/NDF:2834510.8/30

Out: 0.363+/-0.000 χ^2/NDF:2819446.9/34

All: 0.365+/-0.000 χ^2/NDF: 5655287.7/65



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.347+/-0.000 χ^2/NDF:231134789.0/15

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.654+/-0.000 χ^2/NDF:551799990.3/14

Left: 148.010+/-0.000 χ^2/NDF: 799200141.0/30

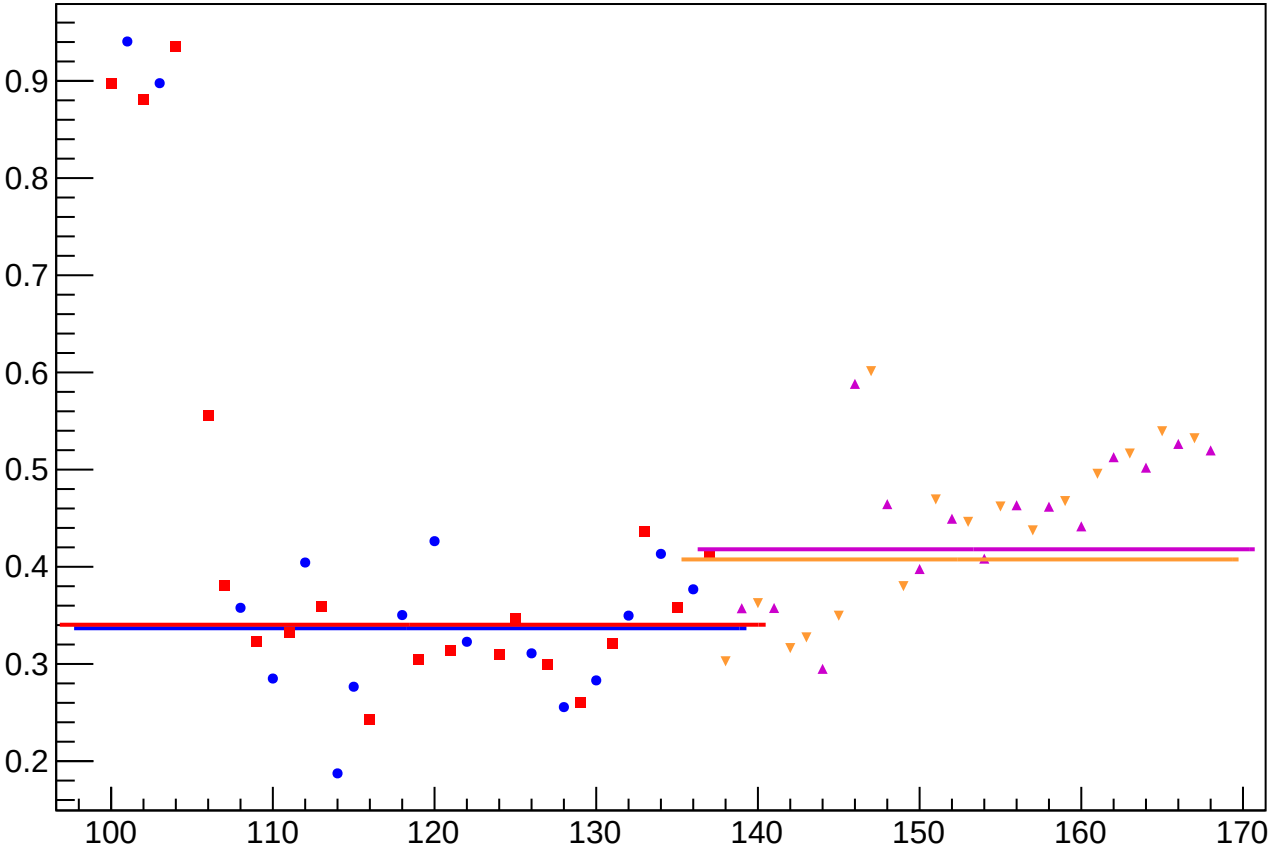
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.768+/-0.000 χ^2/NDF:4149629662.8/30

Out: 147.297+/-0.000 χ^2/NDF:4272953396.9/34

All: 147.037+/-0.000 χ^2/NDF: 8439418028.5

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:950905.1/15

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.418+/-0.000 χ^2/NDF:798422.2/14

Left: 0.413+/-0.000 χ^2/NDF: 1756718.0/30

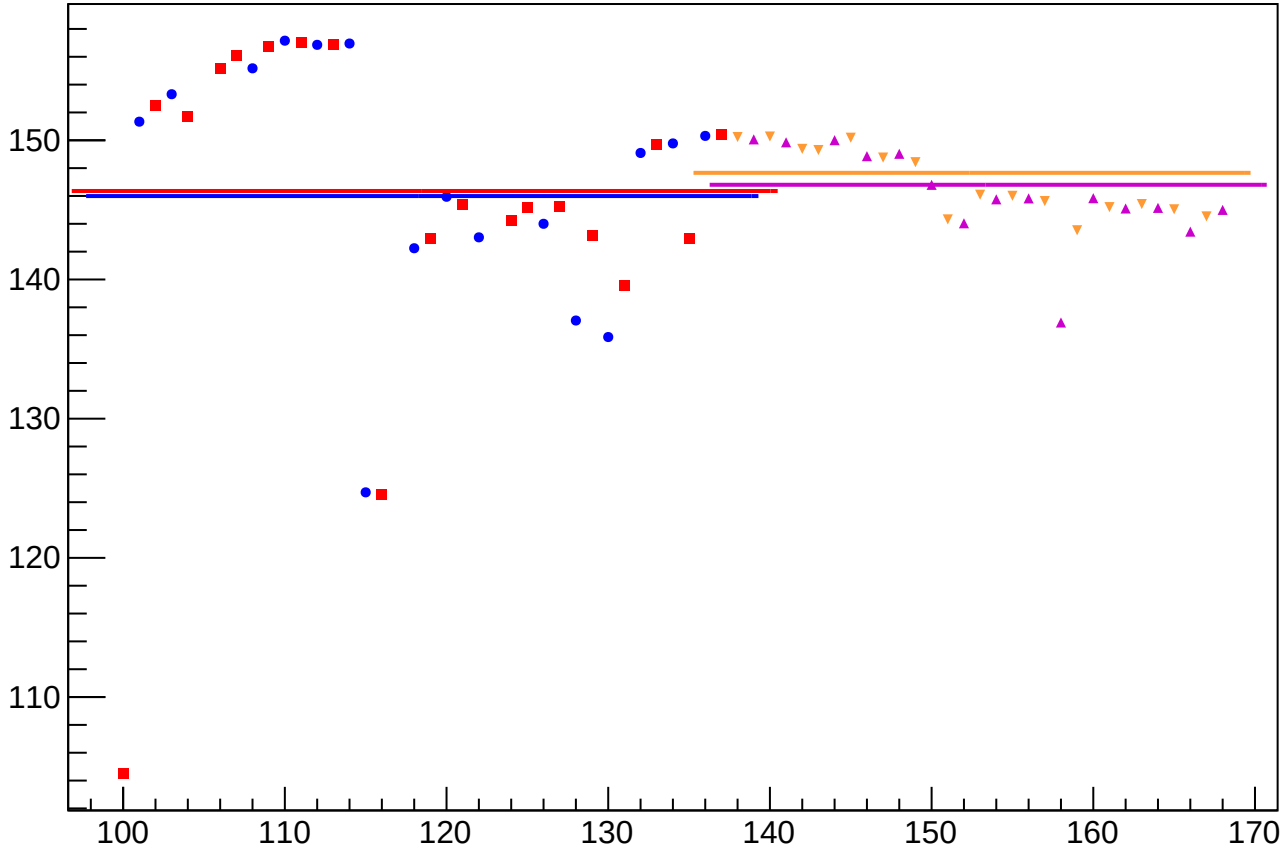
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.382+/-0.000 χ^2/NDF:2554372.7/30

Out: 0.379+/-0.000 χ^2/NDF:2496239.1/34

All: 0.380+/-0.000 χ^2/NDF: 5051900.7/65

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.662+/-0.000 χ^2/NDF:388459867.8/15

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.804+/-0.000 χ^2/NDF:728222453.6/14

Left: 147.246+/-0.000 χ^2/NDF: 1141559213.1/30

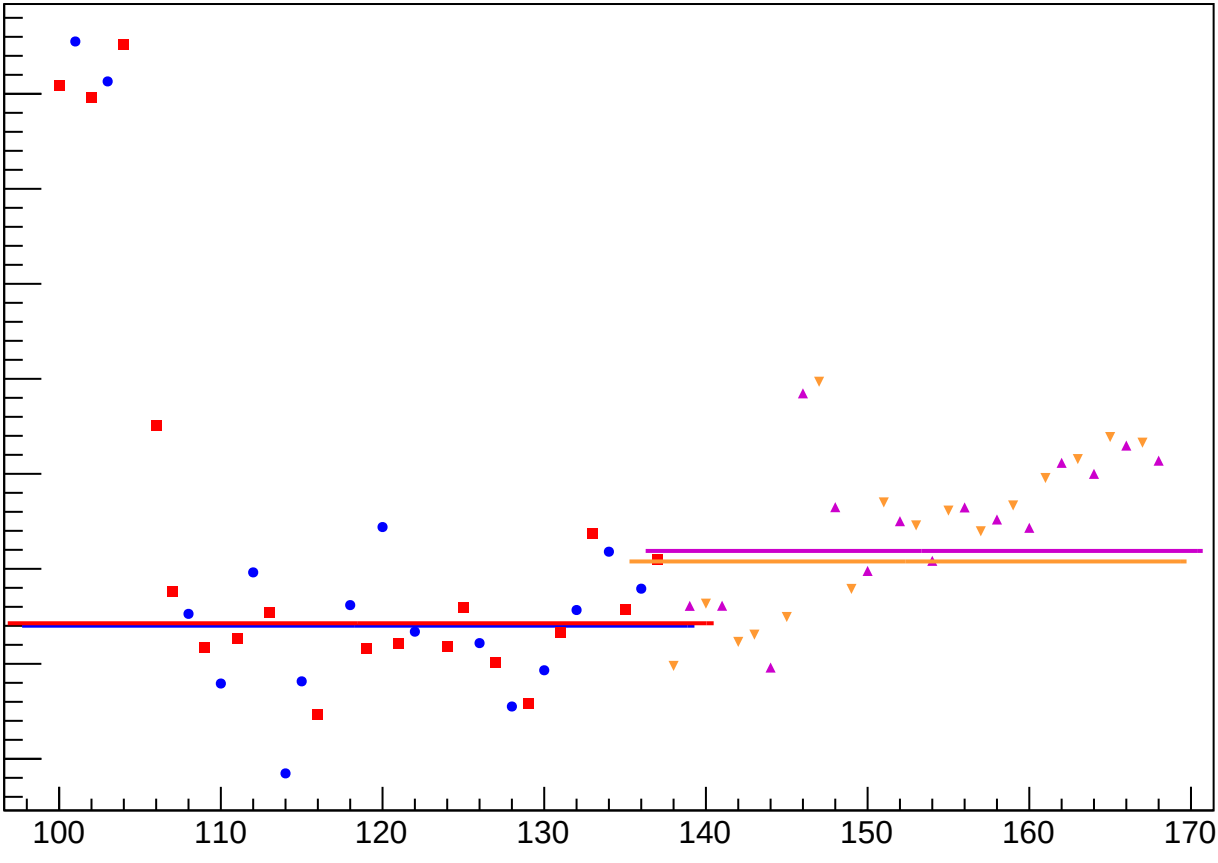
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.448+/-0.000 χ^2/NDF:4368777423.4/30

Out: 147.106+/-0.000 χ^2/NDF:4402046039.3/34

All: 146.783+/-0.000 χ^2/NDF: 8796614035.6

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.408+/-0.000 χ^2/NDF:944483.7/15

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.419+/-0.000 χ^2/NDF:762290.8/14

Left: 0.413+/-0.000 χ^2/NDF: 1715057.2/30

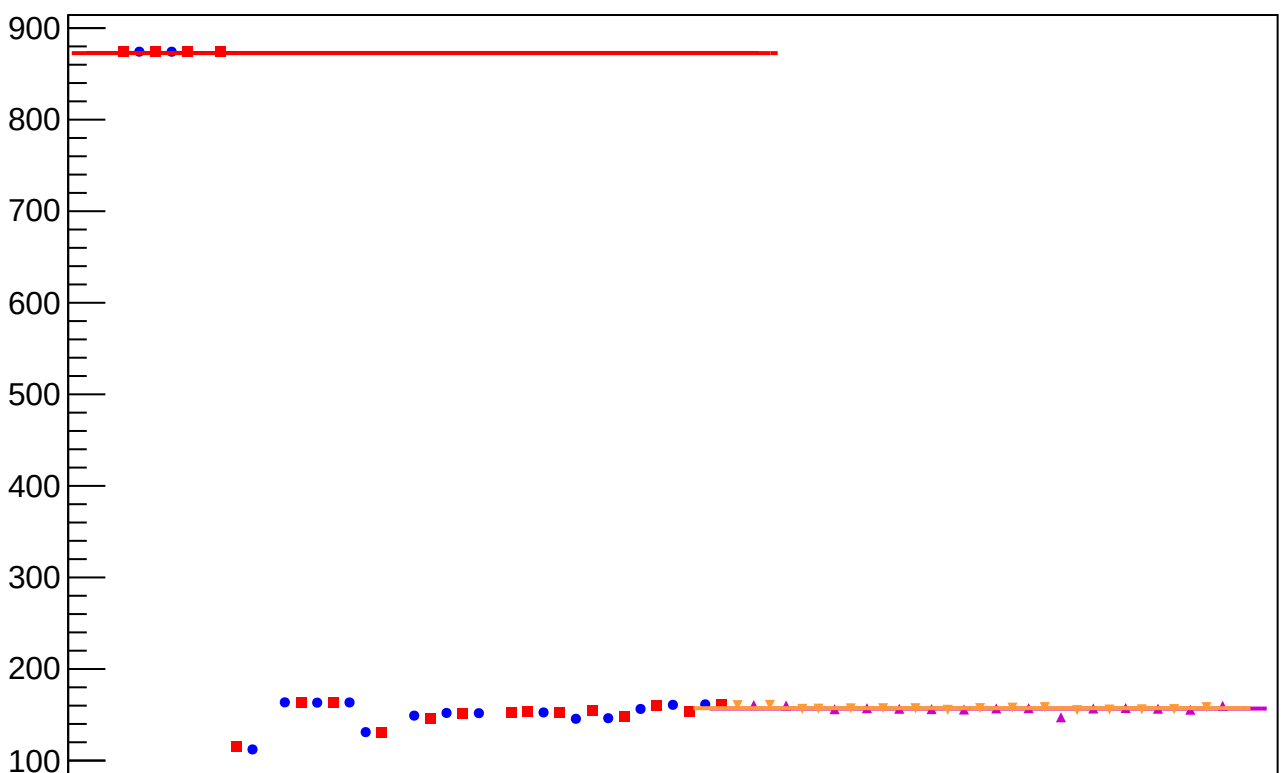
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.384+/-0.000 χ^2/NDF:2511614.5/30

Out: 0.380+/-0.000 χ^2/NDF:2466386.7/34

All: 0.382+/-0.000 χ^2/NDF: 4980193.2/65

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.216+/-0.000 χ^2/NDF:65087777.3/15

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.798+/-0.000 χ^2/NDF:182325740.1/14

Left: 157.009+/-0.000 χ^2/NDF: 249355433.5/30

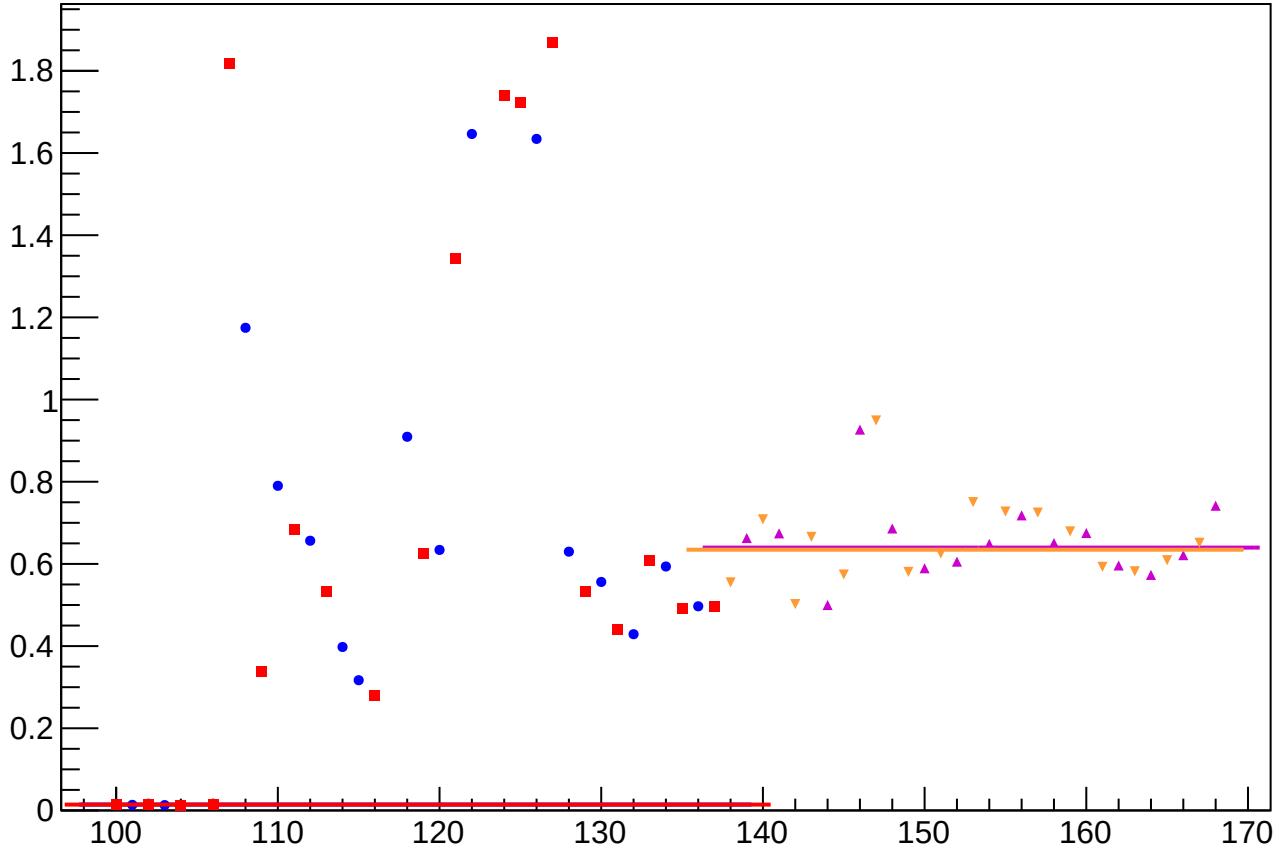
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.616+/-0.000 χ^2/NDF:18445620446598.5/3

Out: 870.724+/-0.000 χ^2/NDF:20630595095848.9

All: 870.674+/-0.000 χ^2/NDF: 390762602492

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:302600.4/15

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.640+/-0.000 χ^2/NDF:277154.2/14

Left: 0.637+/-0.000 χ^2/NDF: 580335.1/30

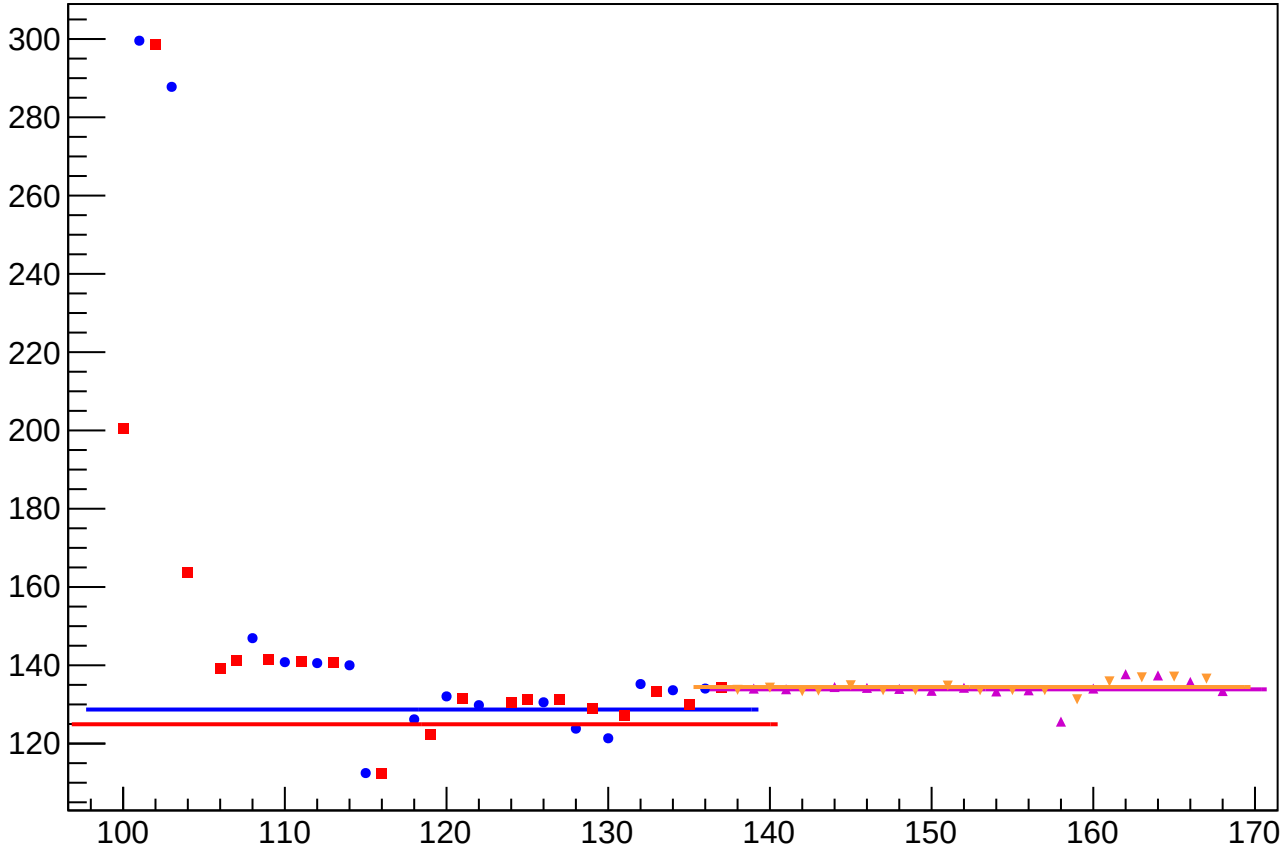
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:27067443.3/30

Out: 0.016+/-0.000 χ^2/NDF:26950388.3/34

All: 0.016+/-0.000 χ^2/NDF: 54018908.8/65

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.449+/-0.000 χ^2/NDF:116145384.9/15

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.858+/-0.000 χ^2/NDF:367720980.5/14

Left: 134.169+/-0.000 χ^2/NDF: 492338235.9/30

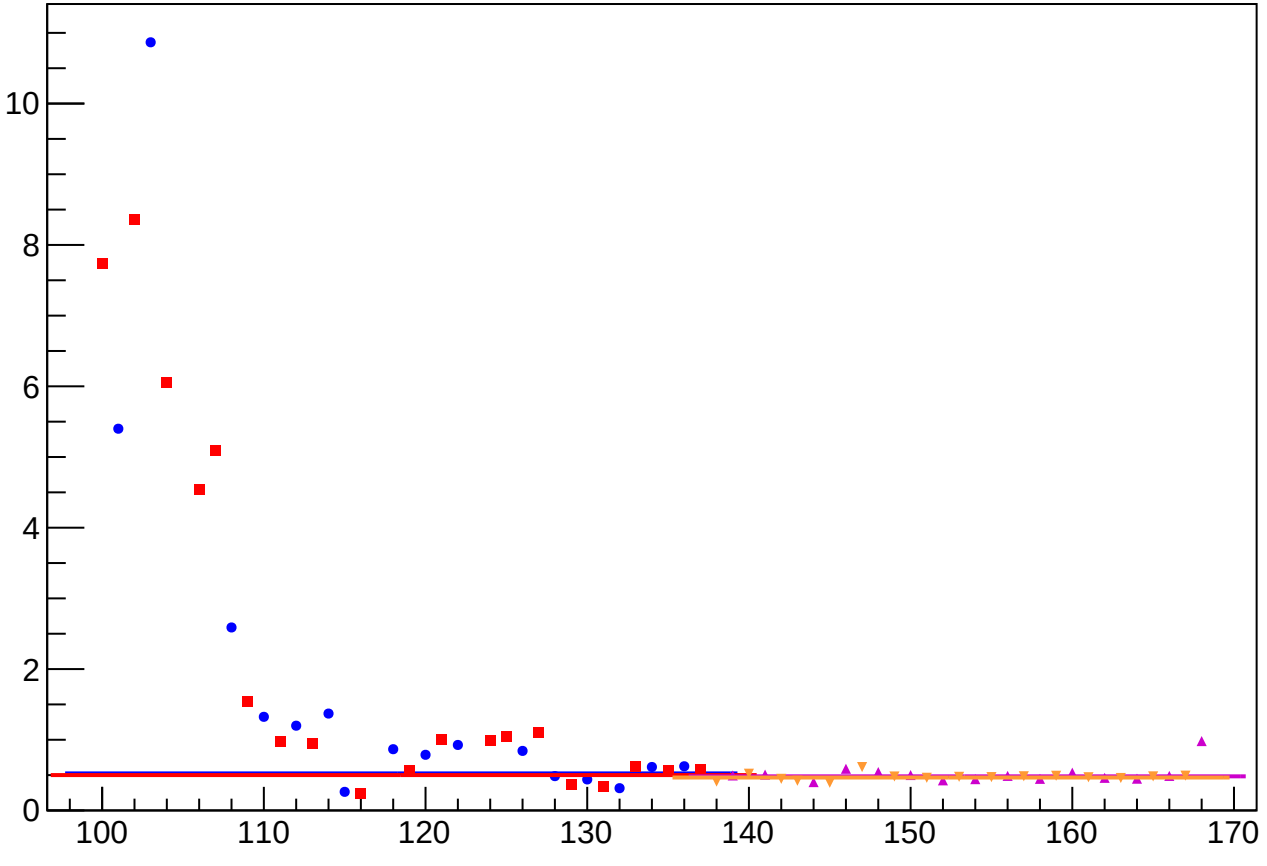
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.696+/-0.000 χ^2/NDF:2299306543.1/30

Out: 132.402+/-0.000 χ^2/NDF:2510714787.7/34

All: 132.542+/-0.000 χ^2/NDF: 4812714235.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.466+/-0.000 χ^2/NDF:201515.3/15

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.483+/-0.000 χ^2/NDF:612920.9/14

Left: 0.474+/-0.000 χ^2/NDF: 827842.4/30

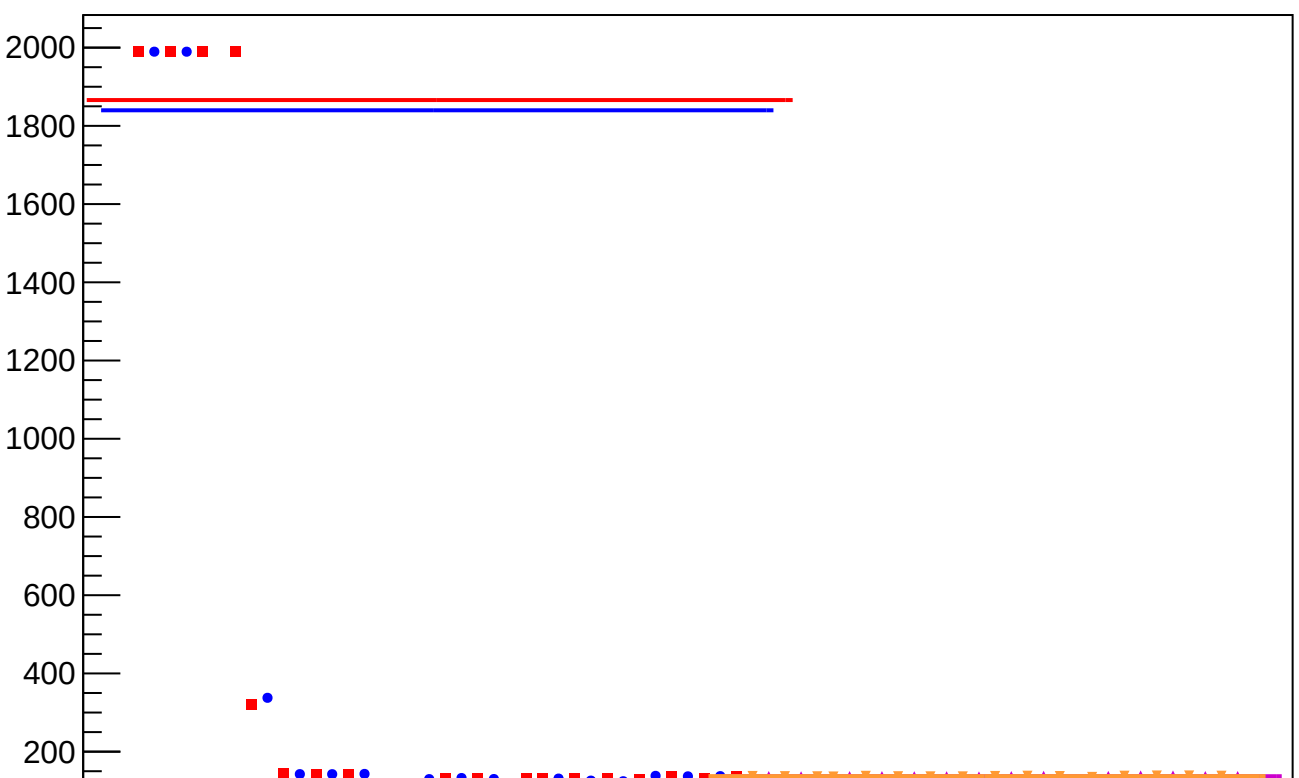
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.492+/-0.000 χ^2/NDF:4786844.4/30

Out: 0.473+/-0.000 χ^2/NDF:5111907.4/34

All: 0.482+/-0.000 χ^2/NDF: 9920092.8/65

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.467+/-0.000 χ^2/NDF:58227228.7/15

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.202+/-0.000 χ^2/NDF:226637714.3/14

Left: 137.341+/-0.000 χ^2/NDF: 287285611.9/30

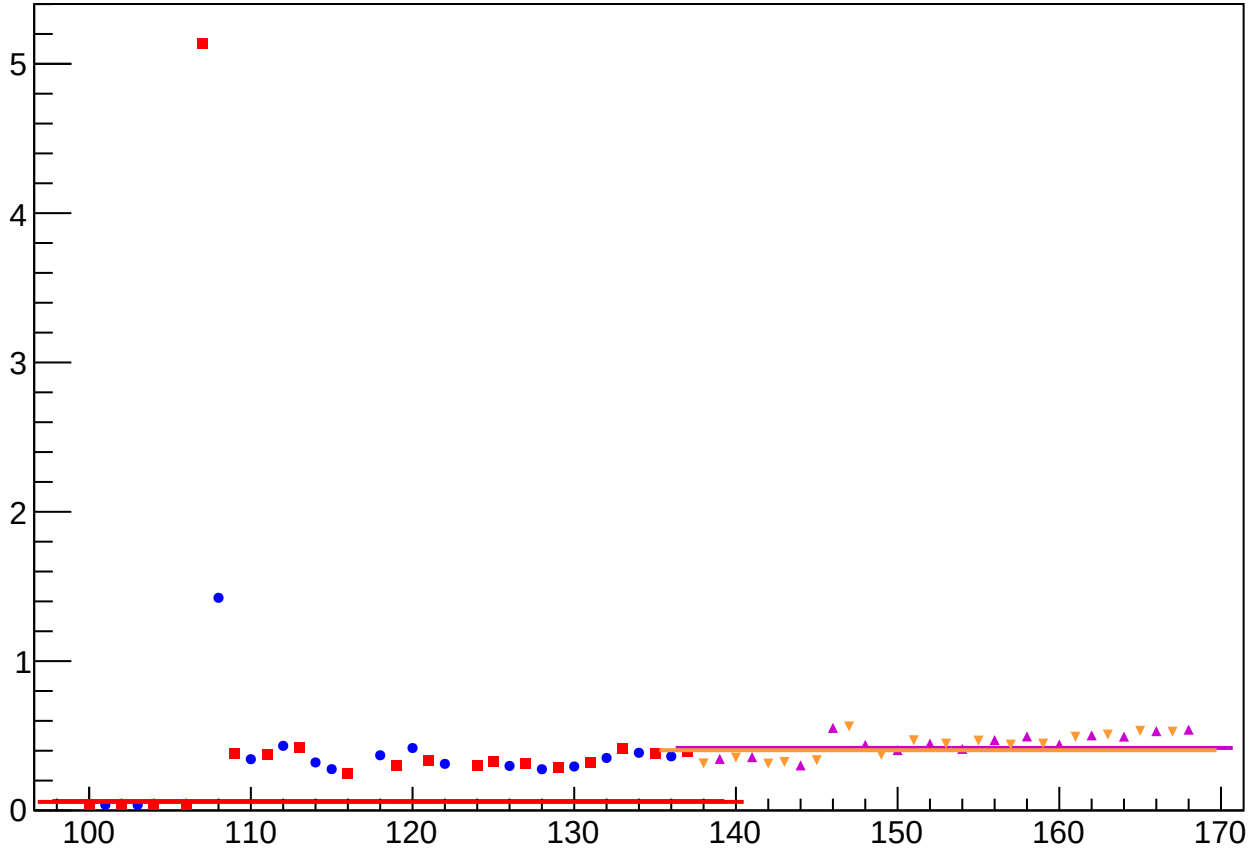
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1663.338+/-0.000 χ^2/NDF:317247932189936.

Out: 1697.540+/-0.000 χ^2/NDF:336640162567090

All: 1681.703+/-0.000 χ^2/NDF: 6542877325

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.404+/-0.000 χ^2/NDF:896618.6/15

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.419+/-0.000 χ^2/NDF:771499.6/14

Left: 0.411+/-0.000 χ^2/NDF: 1683996.9/30

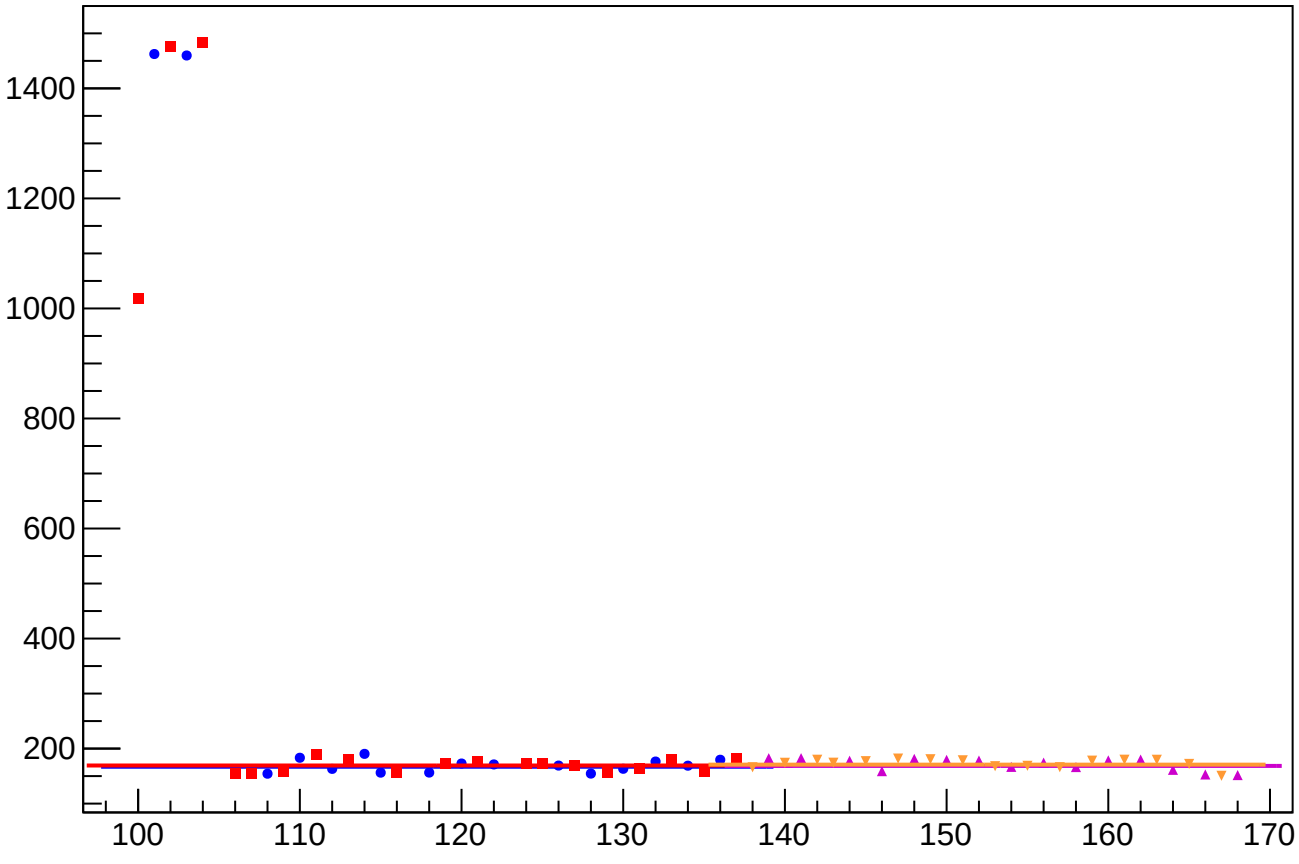
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.099+/-0.000 χ^2/NDF:24006622.3/30

Out: 0.091+/-0.000 χ^2/NDF:24196944.1/34

All: 0.095+/-0.000 χ^2/NDF: 48244485.1/65

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 170.792+/-0.000 χ^2/NDF:1146795746.4/15

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 168.512+/-0.000 χ^2/NDF:1690360237.8/14

Left: 169.633+/-0.000 χ^2/NDF: 2869579799.8/30

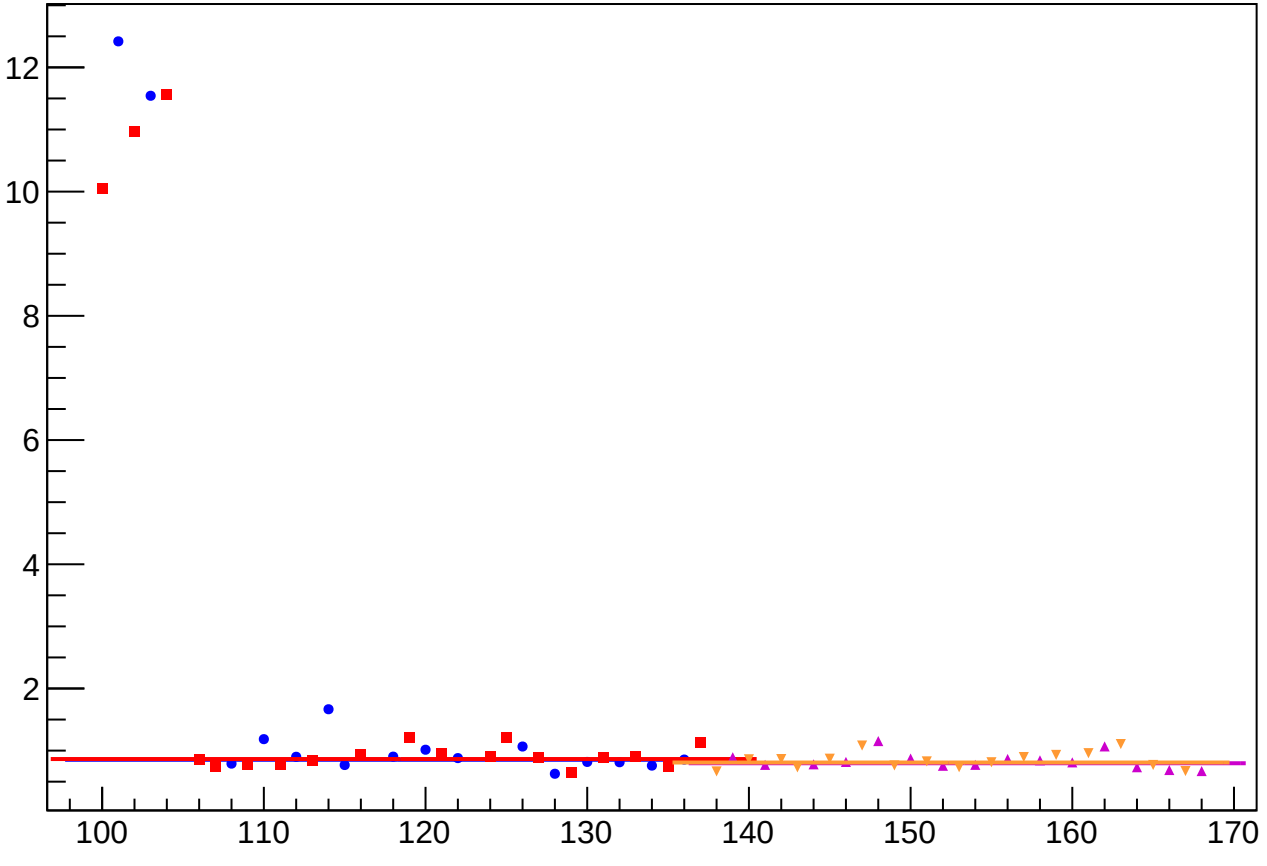
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 168.071+/-0.000 χ^2/NDF:16313685765.7/30

Out: 170.320+/-0.000 χ^2/NDF:17473222901.2/34

All: 169.187+/-0.000 χ^2/NDF: 33832027811.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.808+/-0.000 χ^2/NDF:346757.0/15

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.796+/-0.000 χ^2/NDF:309148.2/14

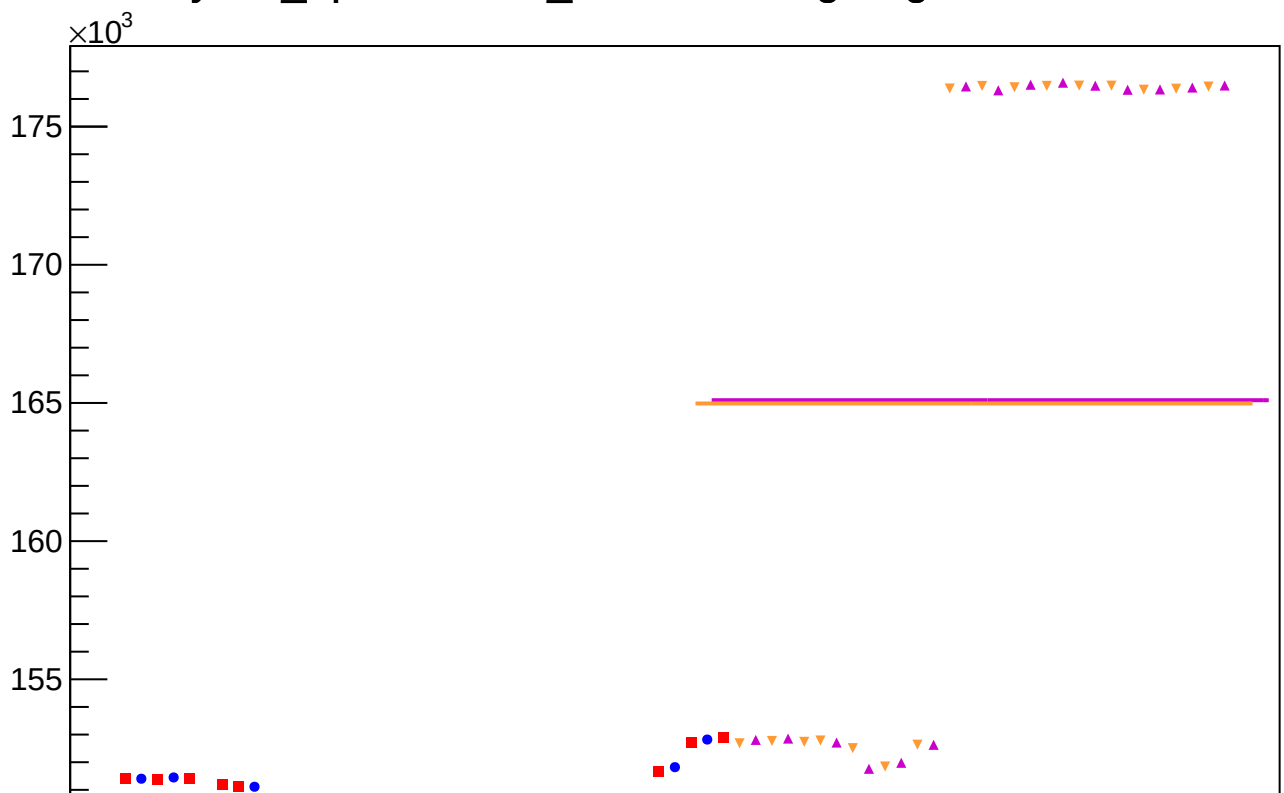
Left: 0.802+/-0.000 χ^2/NDF: 657642.5/30

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.813+/-0.000 χ^2/NDF:2635298.0/30

Out: 0.826+/-0.000 χ^2/NDF:2579680.8/34

All: 0.819+/-0.000 χ^2/NDF: 5217717.7/65



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164981.361+/-0.053 χ^2/NDF:50443129676.6/15

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 165099.181+/-0.055 χ^2/NDF:47638048536.4/14

Left: 165038.405+/-0.038 χ^2/NDF: 98083560160.6

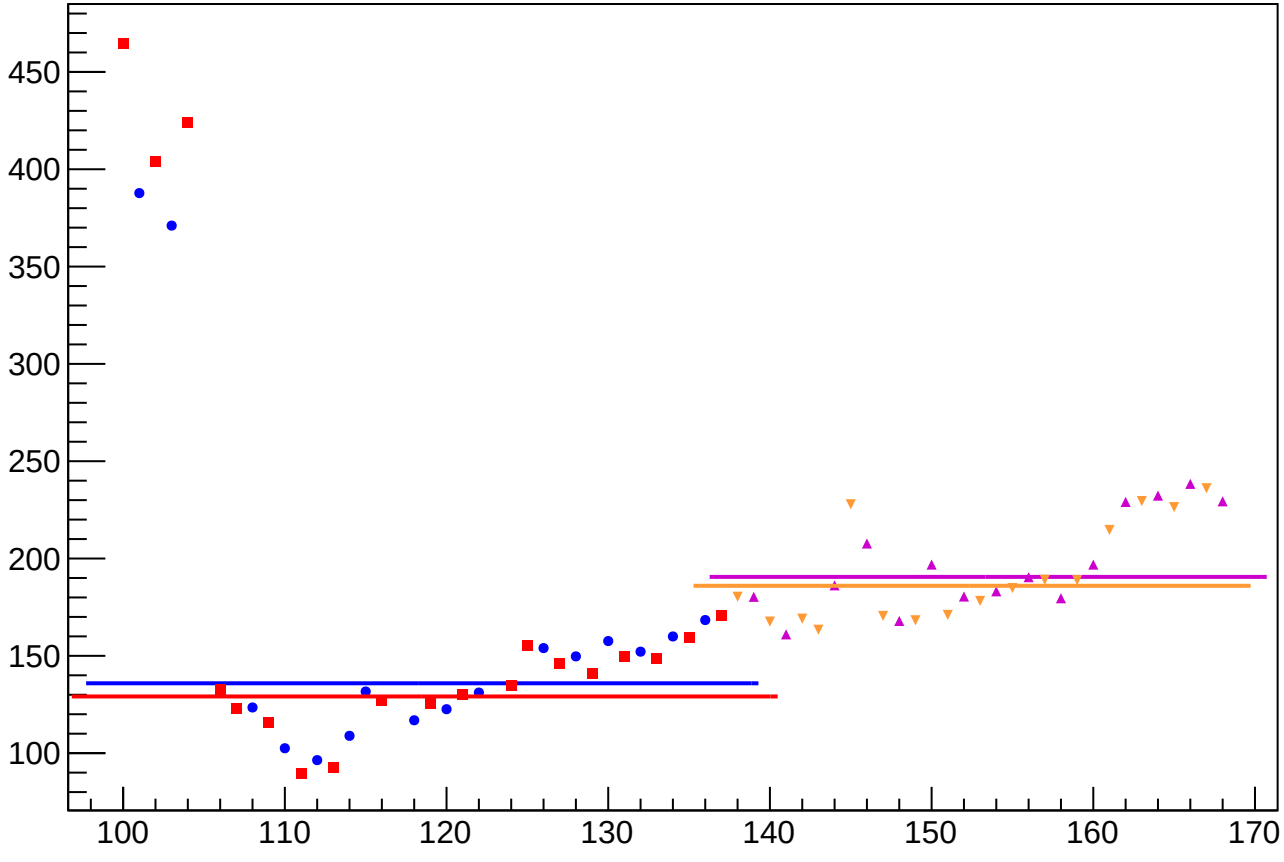
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157804.873+/-0.039 χ^2/NDF:83131820817.1/3

Out: 157475.588+/-0.037 χ^2/NDF:88998223233.0

All: 157631.900+/-0.027 χ^2/NDF: 17216808

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 190.566+/-0.039 χ^2/NDF:304593.5/14

Left: 188.205+/-0.027 χ^2/NDF: 675847.6/30

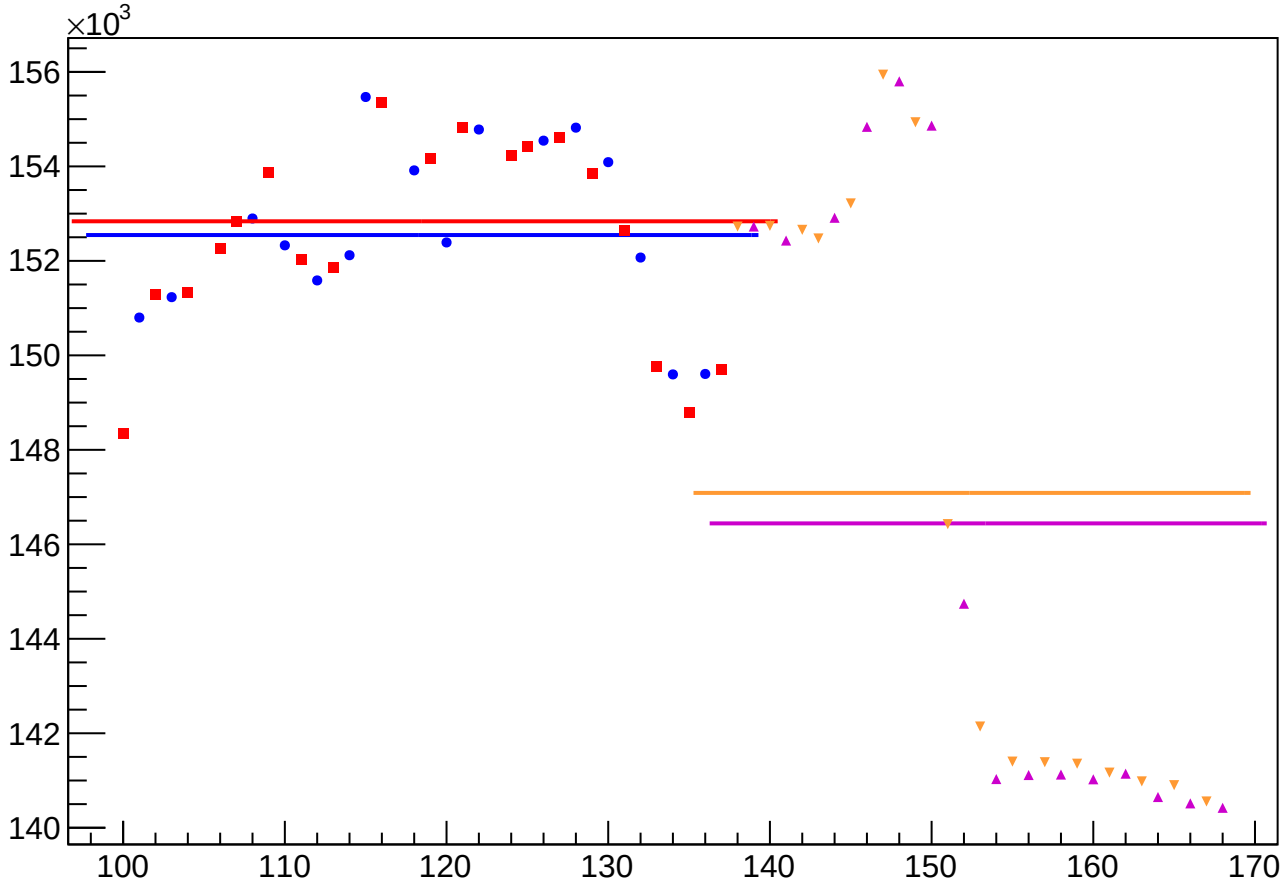
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 163.122+/-0.027 χ^2/NDF:2719082.9/30

Out: 156.393+/-0.026 χ^2/NDF:3171148.4/34

All: 159.587+/-0.019 χ^2/NDF: 5922004.2/65

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146442.935+/-0.059 χ^2/NDF:10656843016.5/14

Left: 146771.749+/-0.041 χ^2/NDF: 20849157686.7/

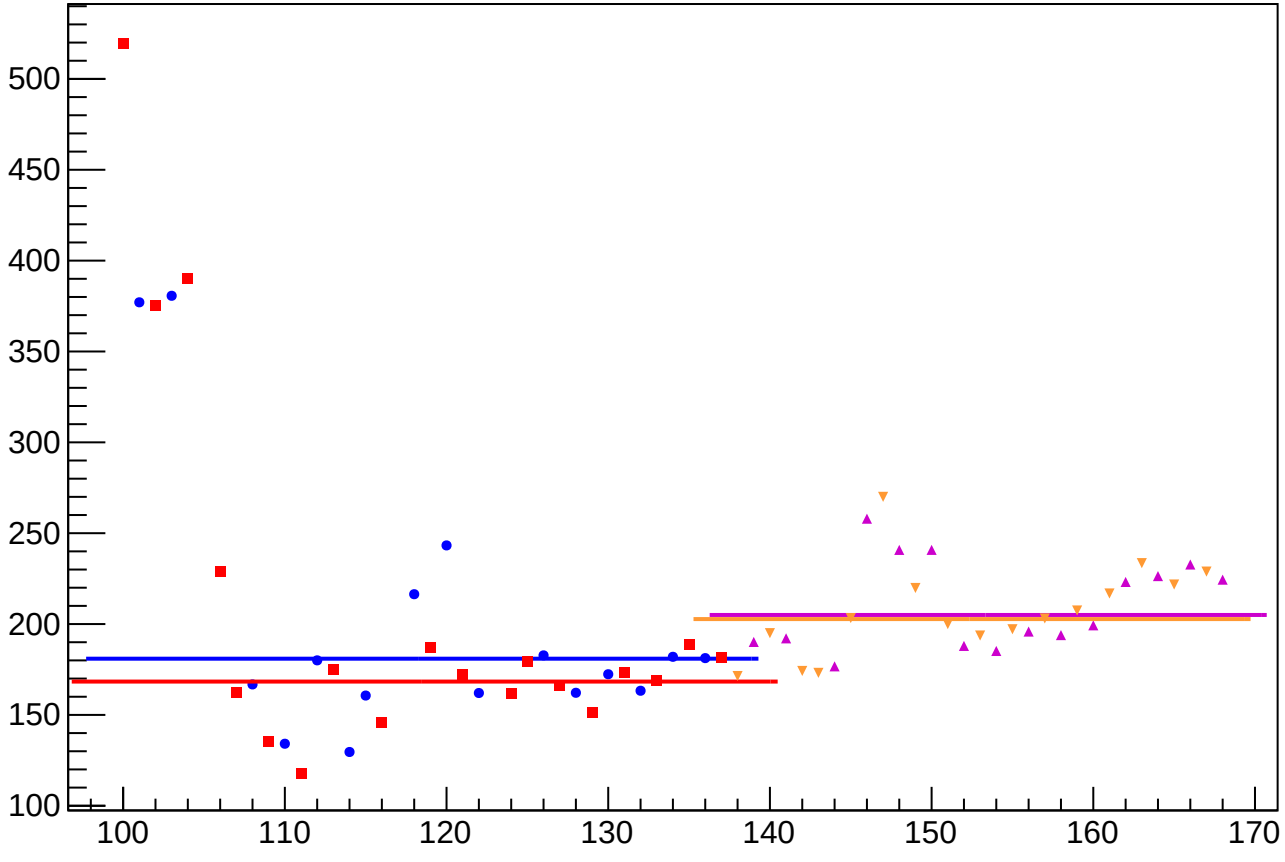
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148876.728+/-0.046 χ^2/NDF:15559948997.5/3

Out: 149566.191+/-0.044 χ^2/NDF:15101892214.4

All: 149237.539+/-0.032 χ^2/NDF: 30780162

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 205.003+/-0.042 χ^2/NDF:306426.0/14

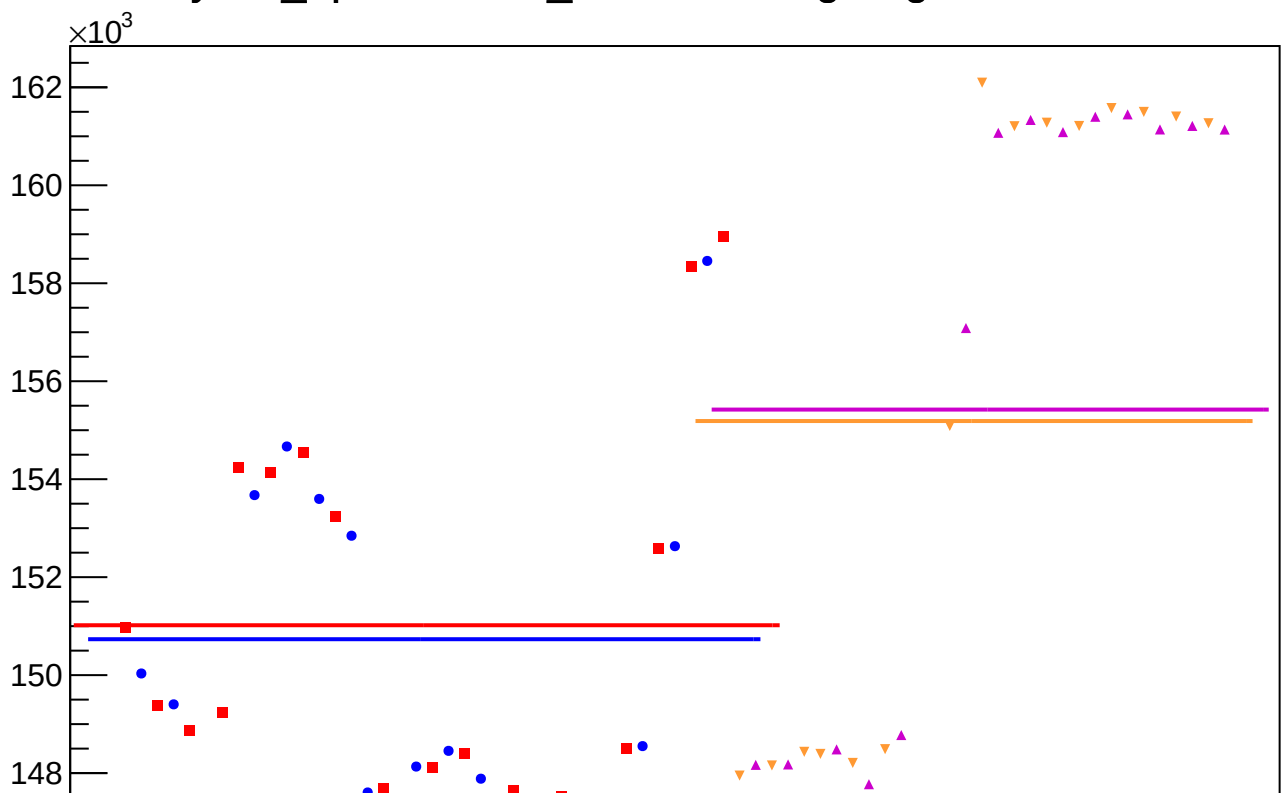
Left: 203.849+/-0.029 χ^2/NDF: 613614.2/30

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 195.408+/-0.032 χ^2/NDF:1346256.9/30

Out: 187.917+/-0.031 χ^2/NDF:1697655.8/34

All: 191.488+/-0.022 χ^2/NDF: 3071847.4/65



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155187.232+/-0.056 χ^2/NDF:13130828809.6/15

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 155421.184+/-0.058 χ^2/NDF:11762000913.5/14

Left: 155300.469+/-0.040 χ^2/NDF: 24901293230.8

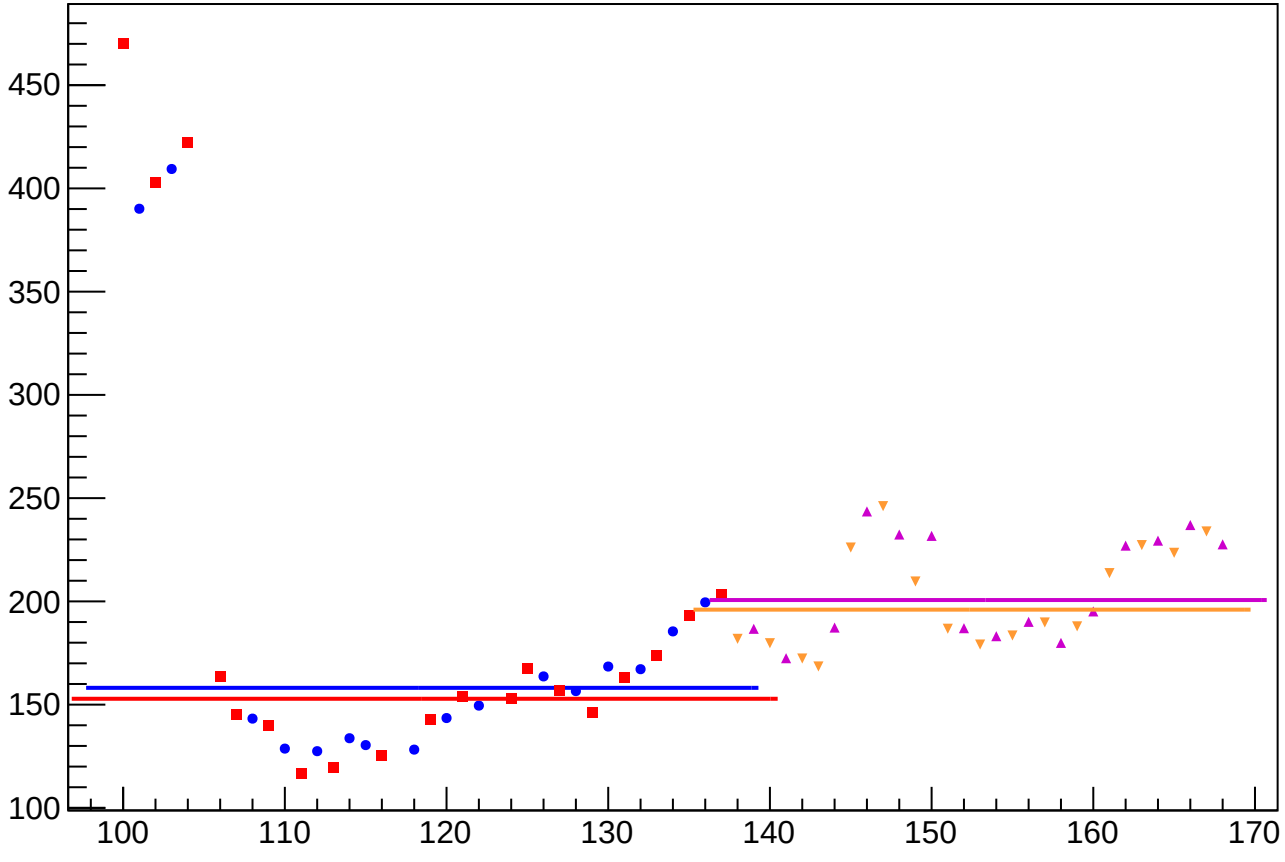
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153276.309+/-0.043 χ^2/NDF:18059142959.5/3

Out: 153250.301+/-0.041 χ^2/NDF:18996554407.5/

All: 153262.804+/-0.029 χ^2/NDF: 37055891

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 196.002+/-0.040 χ^2/NDF:319091.4/15

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 200.654+/-0.041 χ^2/NDF:327928.8/14

Left: 198.254+/-0.028 χ^2/NDF: 653712.8/30

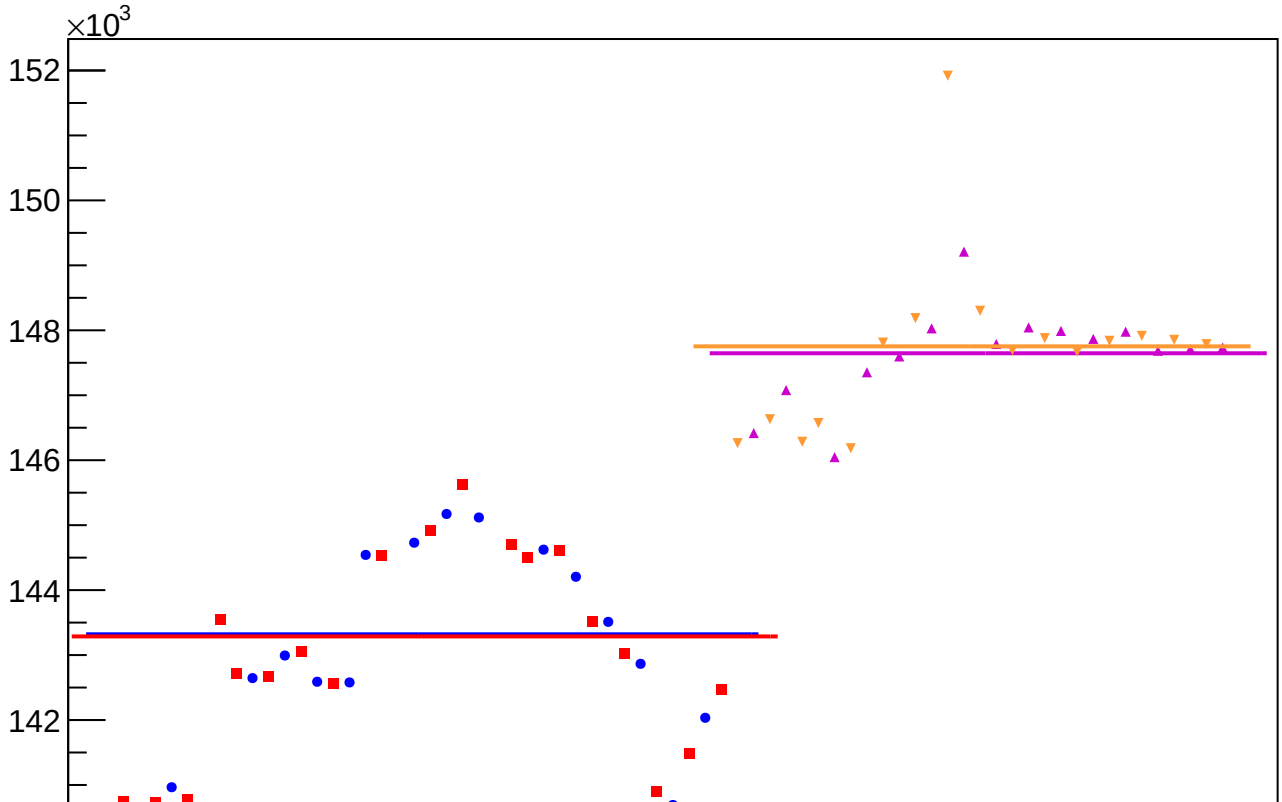
Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 181.201+/-0.030 χ^2/NDF:2019335.6/30

Out: 175.948+/-0.029 χ^2/NDF:2136363.9/34

All: 178.473+/-0.021 χ^2/NDF: 4171532.7/65

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147752.830+/-0.053 χ^2/NDF:670451982.2/15

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147646.414+/-0.054 χ^2/NDF:199438240.2/14

Left: 147701.111+/-0.038 χ^2/NDF: 871884490.5/30

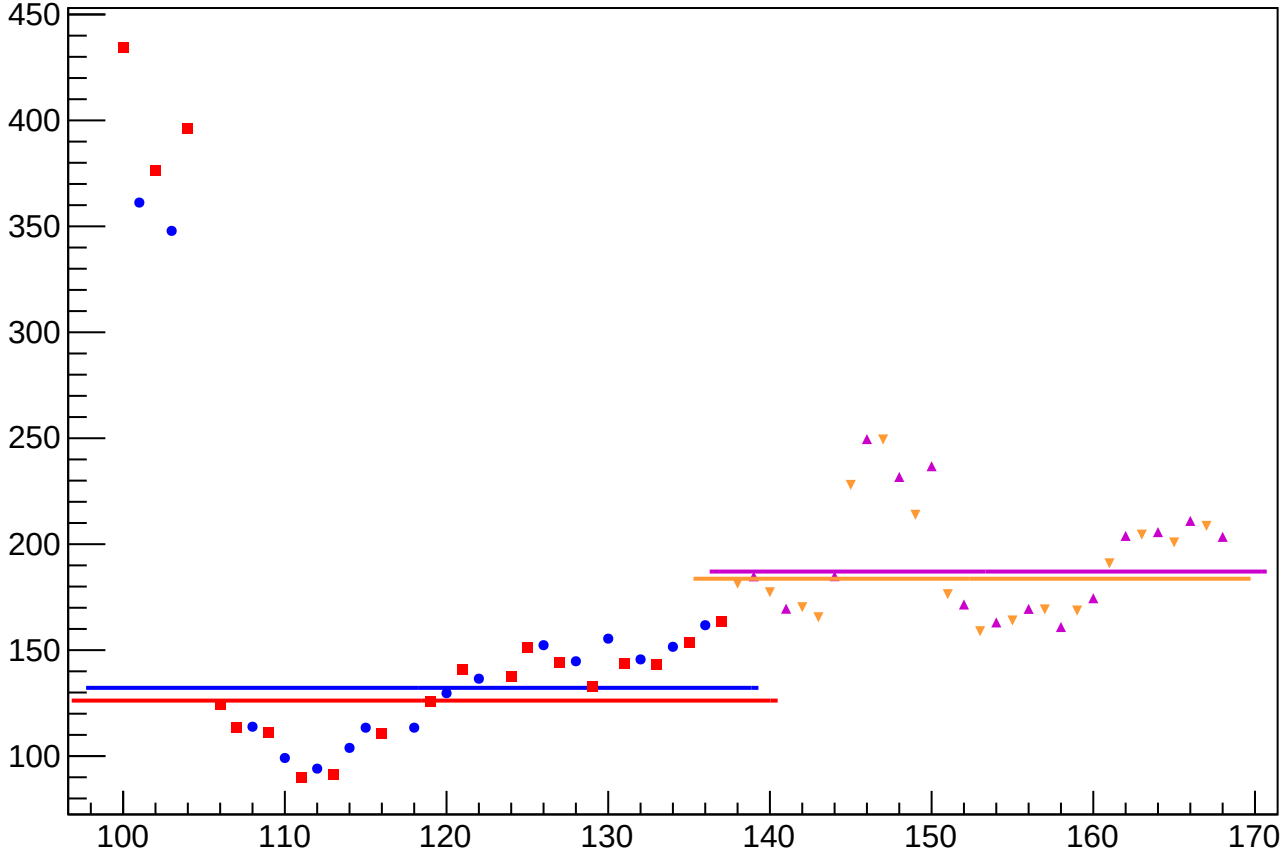
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145446.675+/-0.038 χ^2/NDF:4019728178.3/30

Out: 145396.531+/-0.036 χ^2/NDF:5103983740.1/3

All: 145420.402+/-0.026 χ^2/NDF: 91246301

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 183.703+/-0.037 χ^2/NDF:376117.0/15

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 187.088+/-0.038 χ^2/NDF:437614.6/14

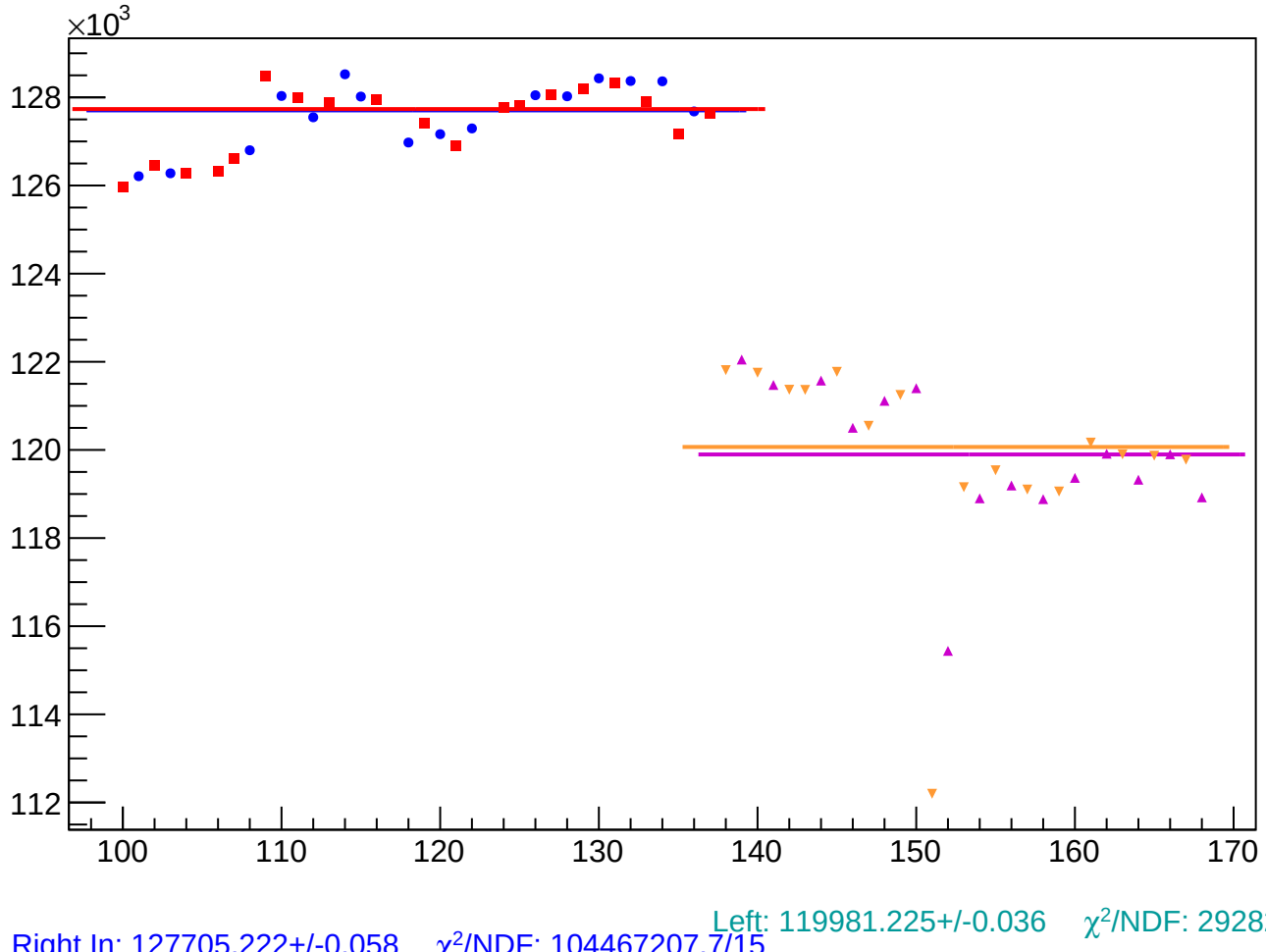
Left: 185.348+/-0.027 χ^2/NDF: 817769.0/30

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 159.185+/-0.027 χ^2/NDF:2866196.0/30

Out: 153.358+/-0.026 χ^2/NDF:3185871.6/34

All: 156.132+/-0.018 χ^2/NDF: 6076864.4/65



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120067.113+/-0.052 χ^2/NDF:1753999405.7/15

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119897.201+/-0.051 χ^2/NDF:1168765078.9/14

Left: 119981.225+/-0.036 χ^2/NDF: 2928214923.6/3

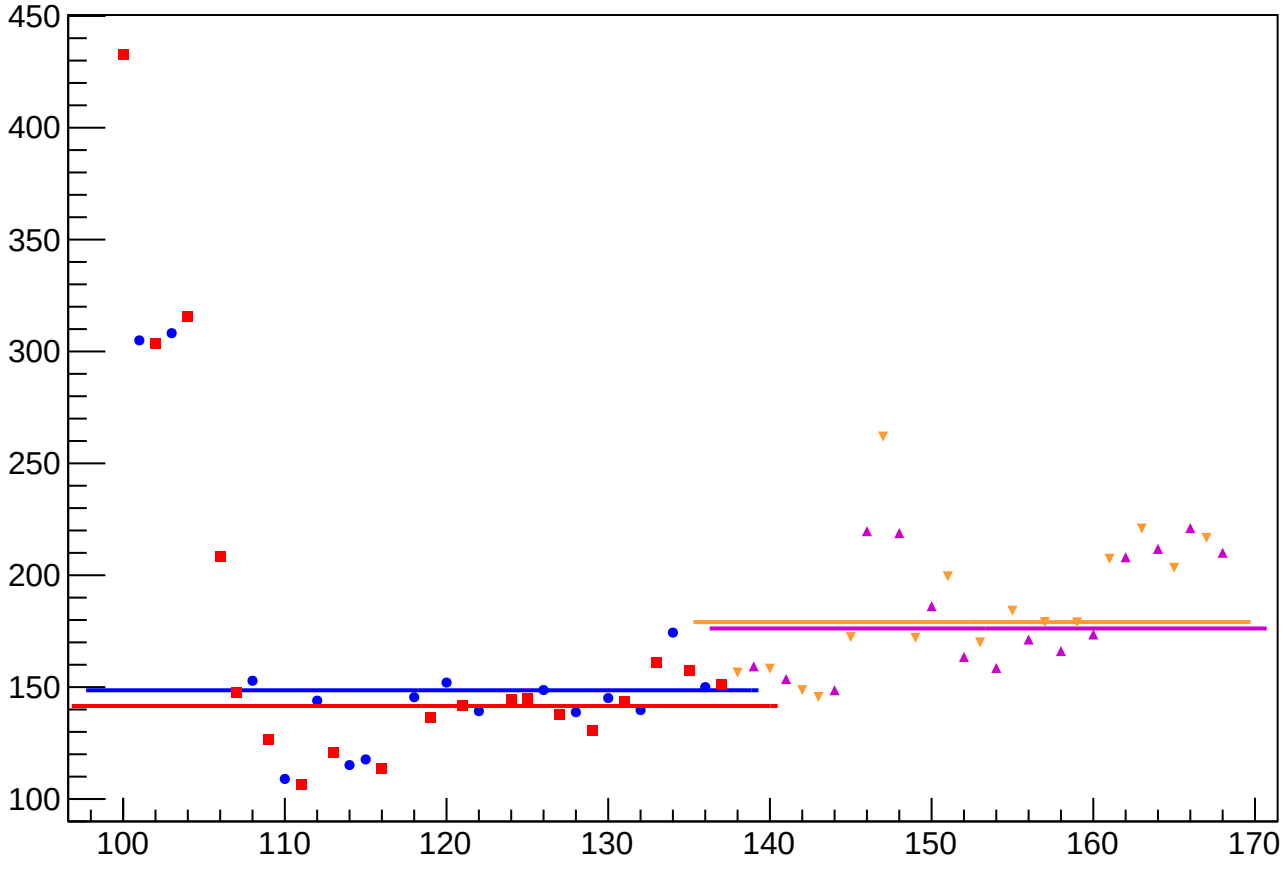
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123287.885+/-0.038 χ^2/NDF:11380528728.4/3

Out: 123673.225+/-0.038 χ^2/NDF:12190206893.9

All: 123484.784+/-0.027 χ^2/NDF: 23621936

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 179.064+/-0.037 χ^2/NDF:521830.4/15

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 176.213+/-0.036 χ^2/NDF:451466.5/14

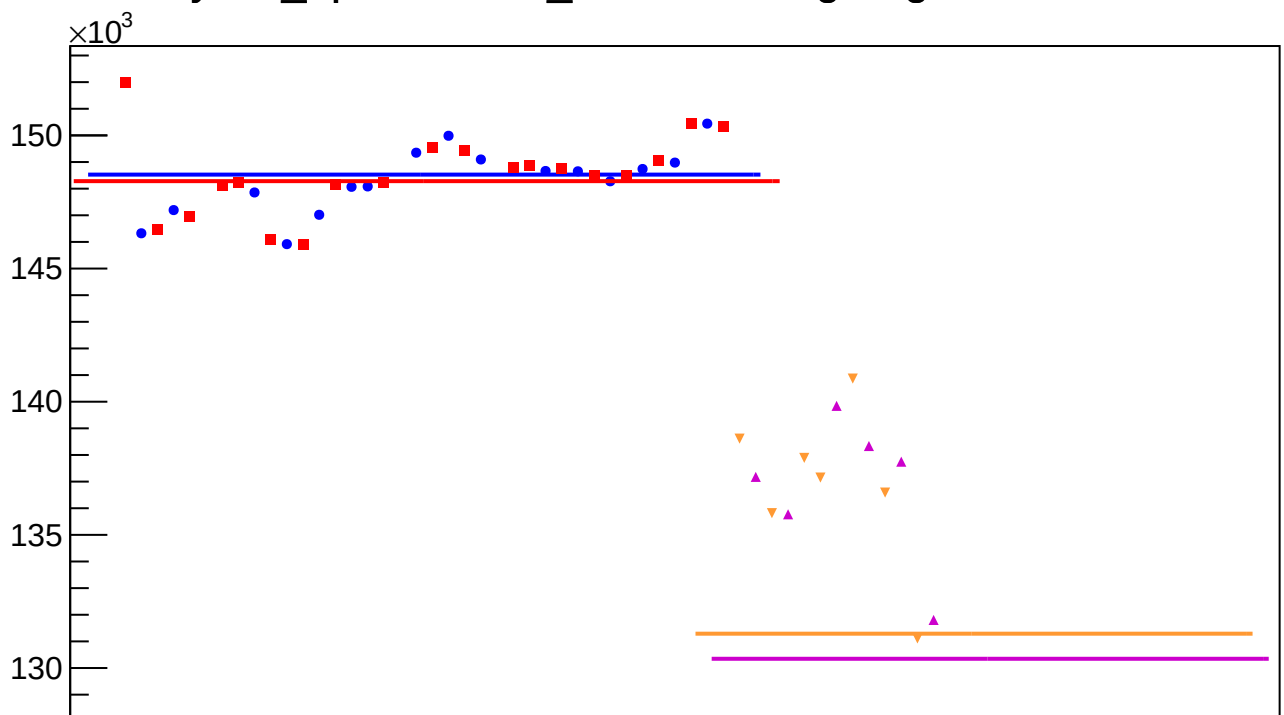
Left: 177.623+/-0.026 χ^2/NDF: 976365.8/30

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 164.219+/-0.027 χ^2/NDF:1532111.9/30

Out: 161.427+/-0.027 χ^2/NDF:2017108.2/34

All: 162.792+/-0.019 χ^2/NDF: 3554596.5/65



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131289.327+/-0.075 χ^2/NDF:5271000866.5/15

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130347.062+/-0.074 χ^2/NDF:5776283136.3/14

Left: 130814.765+/-0.053 χ^2/NDF: 11127128451.2

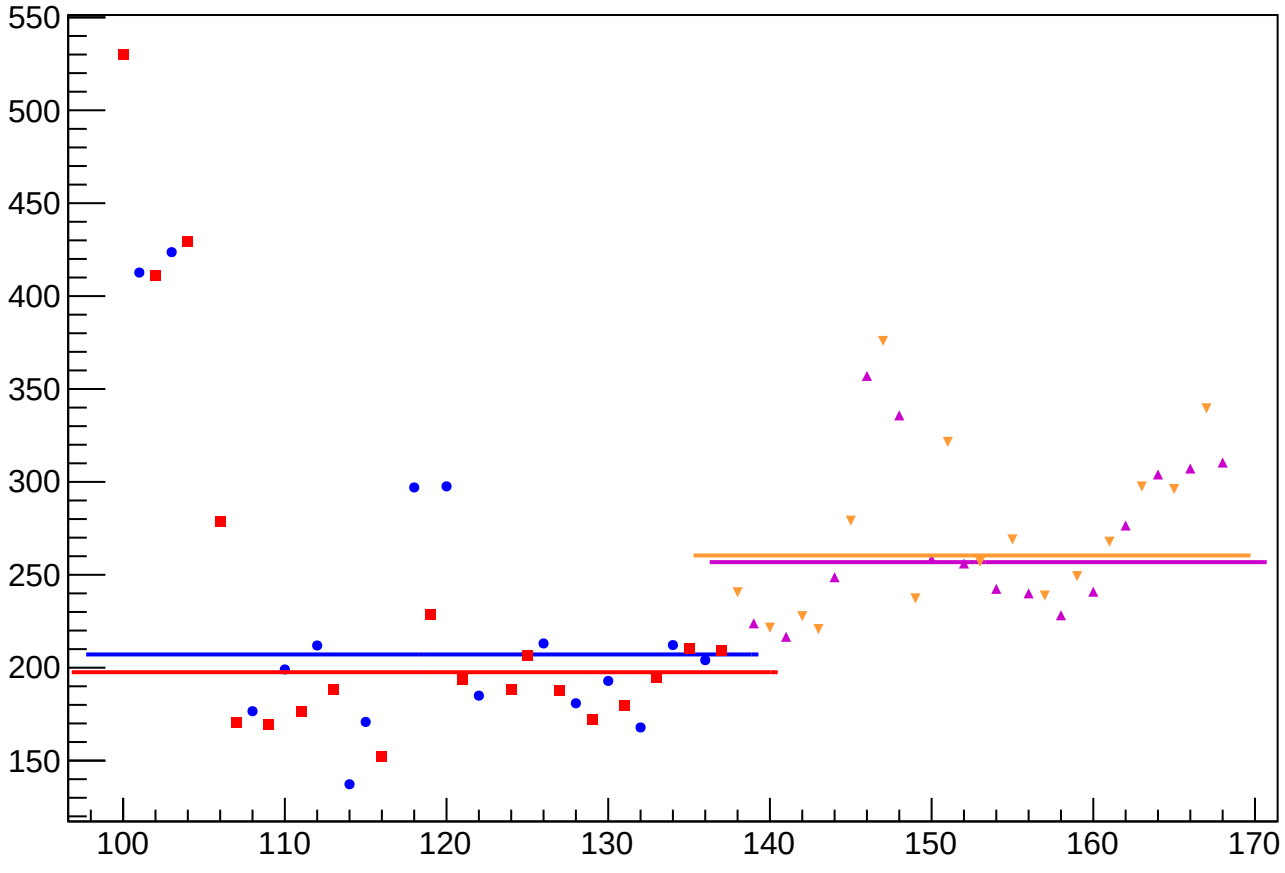
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 138549.629+/-0.055 χ^2/NDF:33003929104.3/3

Out: 139587.172+/-0.054 χ^2/NDF:30742766754.6

All: 139082.799+/-0.038 χ^2/NDF: 63929310

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 260.428+/-0.053 χ^2/NDF:515507.1/15

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 256.819+/-0.053 χ^2/NDF:492697.7/14

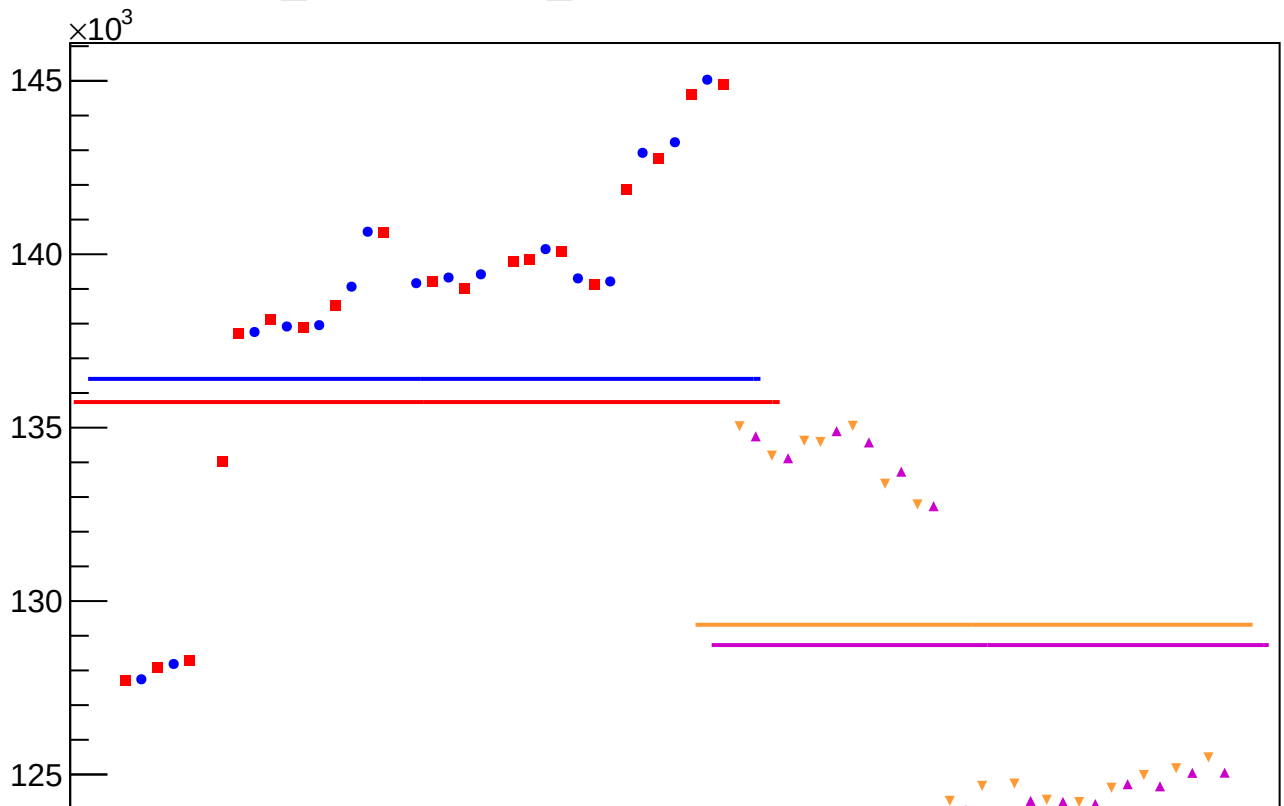
Left: 258.610+/-0.037 χ^2/NDF: 1010547.0/30

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 234.403+/-0.039 χ^2/NDF:1868473.3/30

Out: 229.734+/-0.038 χ^2/NDF:2108499.2/34

All: 232.004+/-0.027 χ^2/NDF: 3984369.9/65



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129317.422+/-0.168 χ^2/NDF:839498065.6/15

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 128731.503+/-0.175 χ^2/NDF:780724493.4/14

Left: 129036.685+/-0.121 χ^2/NDF: 1626032207.1/3

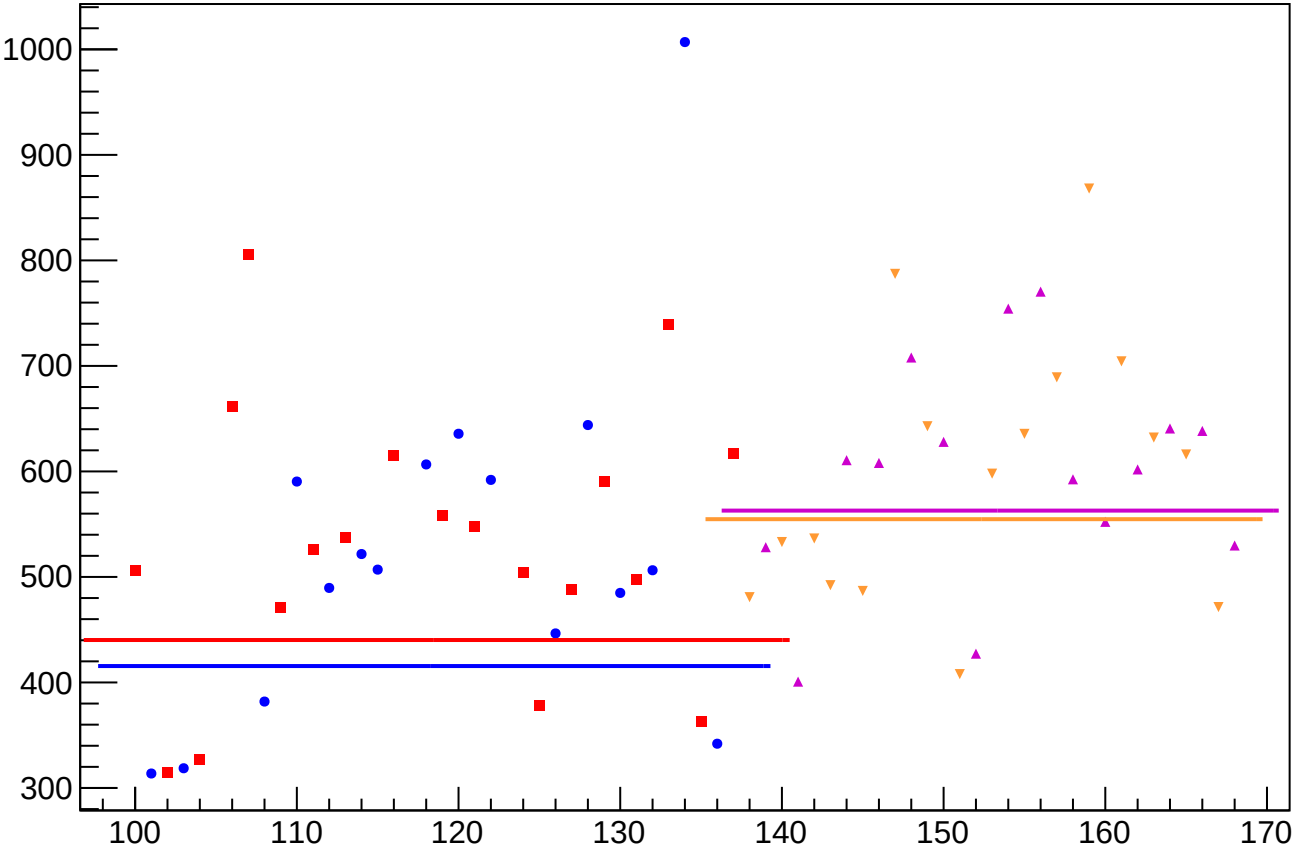
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132722.256+/-0.122 χ^2/NDF:3352993054.6/30

Out: 132371.518+/-0.122 χ^2/NDF:2706245845.0/3

All: 132547.305+/-0.086 χ^2/NDF: 606339183

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 554.742+/-0.119 χ^2/NDF:849468.0/15

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.873+/-0.124 χ^2/NDF:720043.6/14

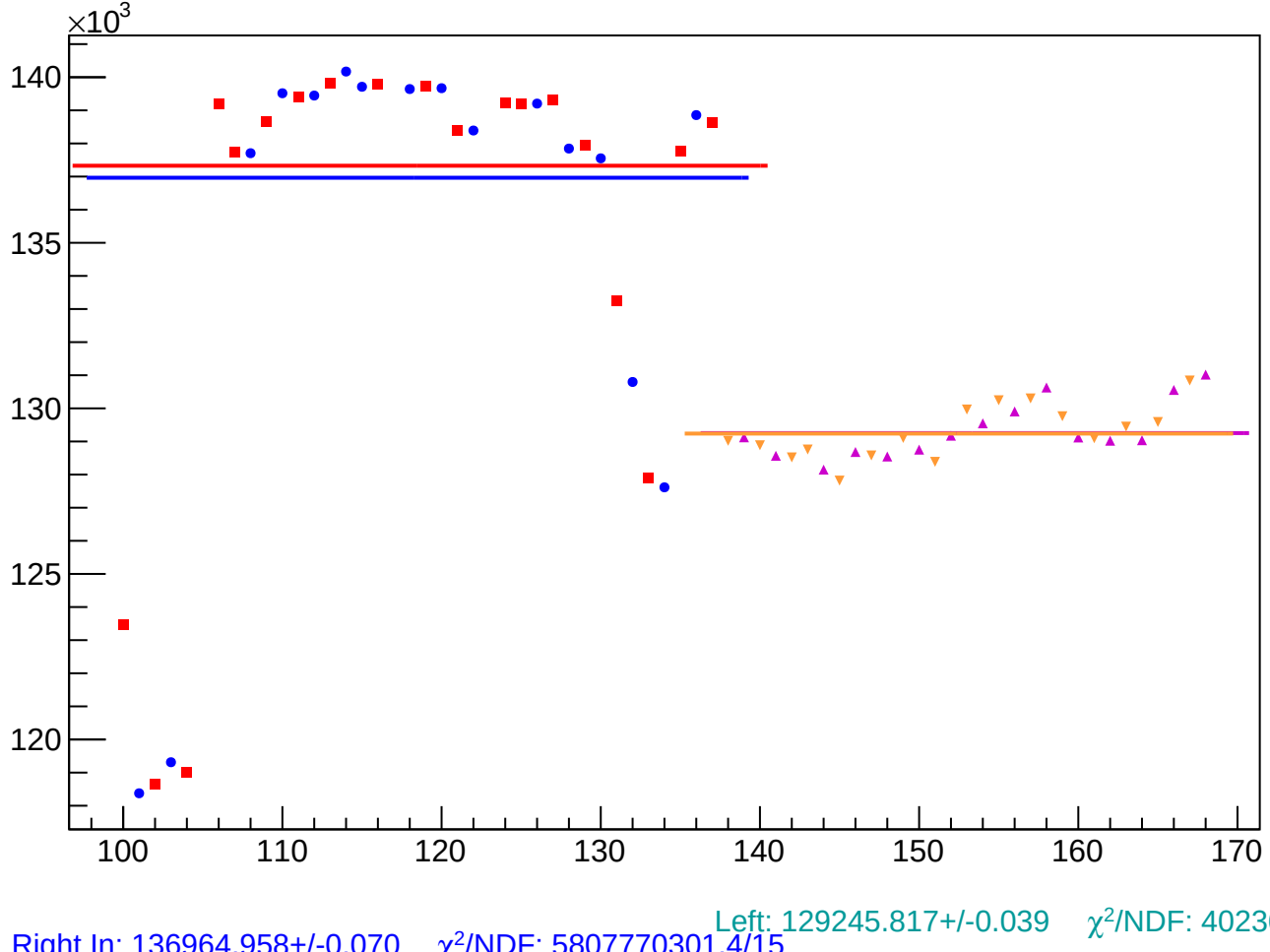
Left: 558.638+/-0.086 χ^2/NDF: 1571748.9/30

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 486.273+/-0.086 χ^2/NDF:2484960.2/30

Out: 500.270+/-0.086 χ^2/NDF:2200938.2/34

All: 493.254+/-0.061 χ^2/NDF: 4699126.3/65



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129238.461+/-0.055 χ^2/NDF:194105310.5/15

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129253.333+/-0.056 χ^2/NDF:208219523.0/14

Left: 129245.817+/-0.039 χ^2/NDF: 402361015.9/30

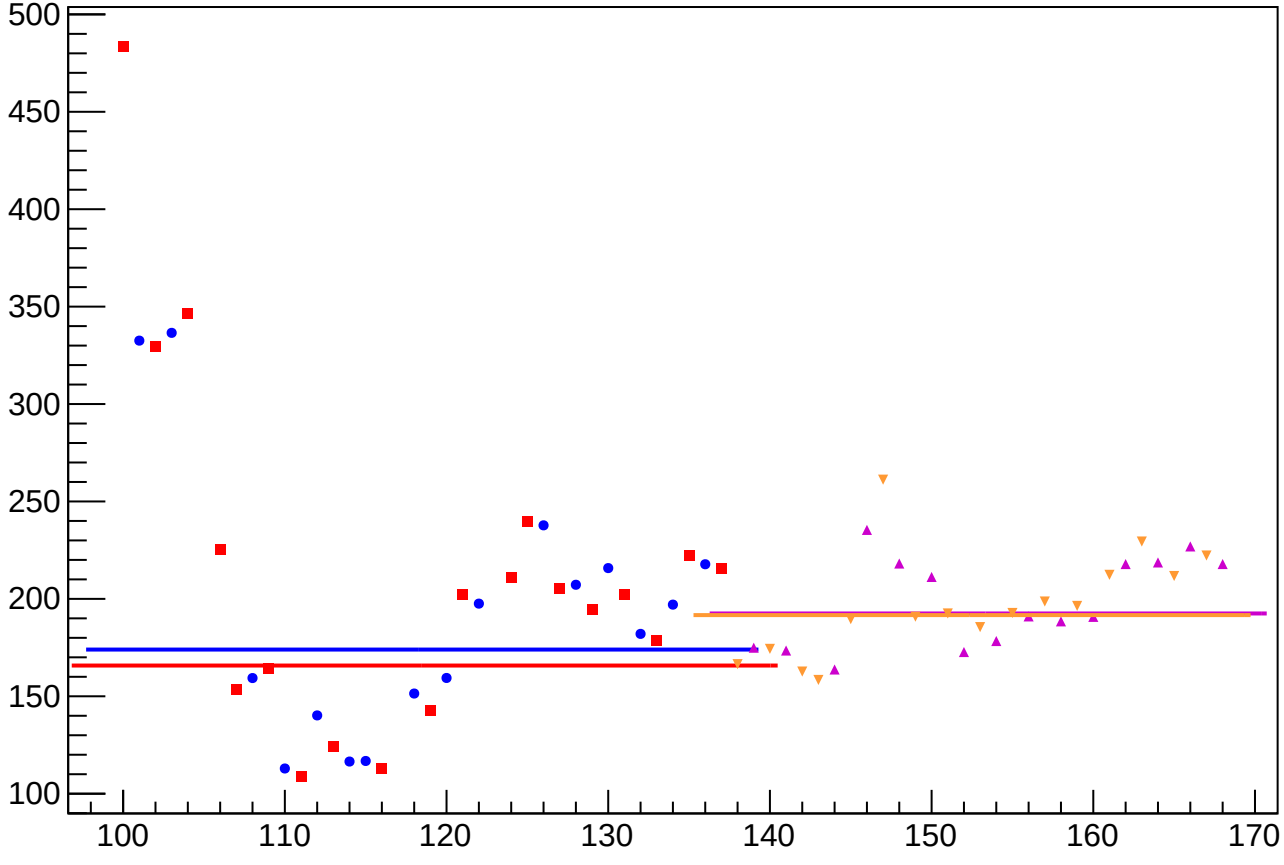
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 132249.723+/-0.043 χ^2/NDF:13494983869.6/3

Out: 132575.069+/-0.042 χ^2/NDF:14857212410.2

All: 132417.388+/-0.030 χ^2/NDF: 283810719

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 191.668+/-0.039 χ^2/NDF:370100.7/15

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 192.506+/-0.039 χ^2/NDF:308762.2/14

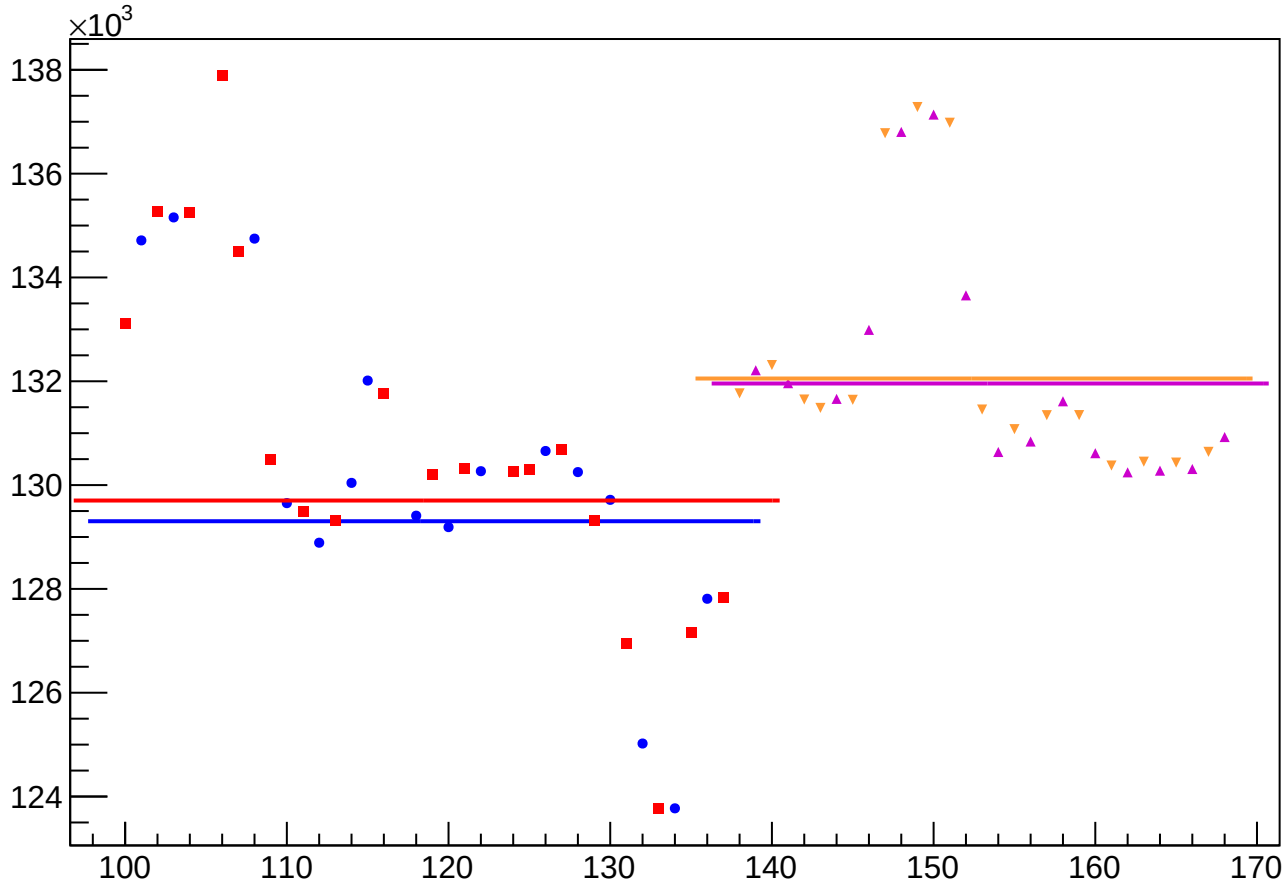
Left: 192.082+/-0.028 χ^2/NDF: 679092.8/30

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 185.308+/-0.031 χ^2/NDF:1583566.7/30

Out: 180.990+/-0.030 χ^2/NDF:1986090.5/34

All: 183.083+/-0.021 χ^2/NDF: 3579833.5/65



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132053.126+/-0.055 χ^2/NDF:1294990805.5/15

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131957.114+/-0.056 χ^2/NDF:1046540759.3/14

Left: 132005.485+/-0.039 χ^2/NDF: 2343026250.7/3

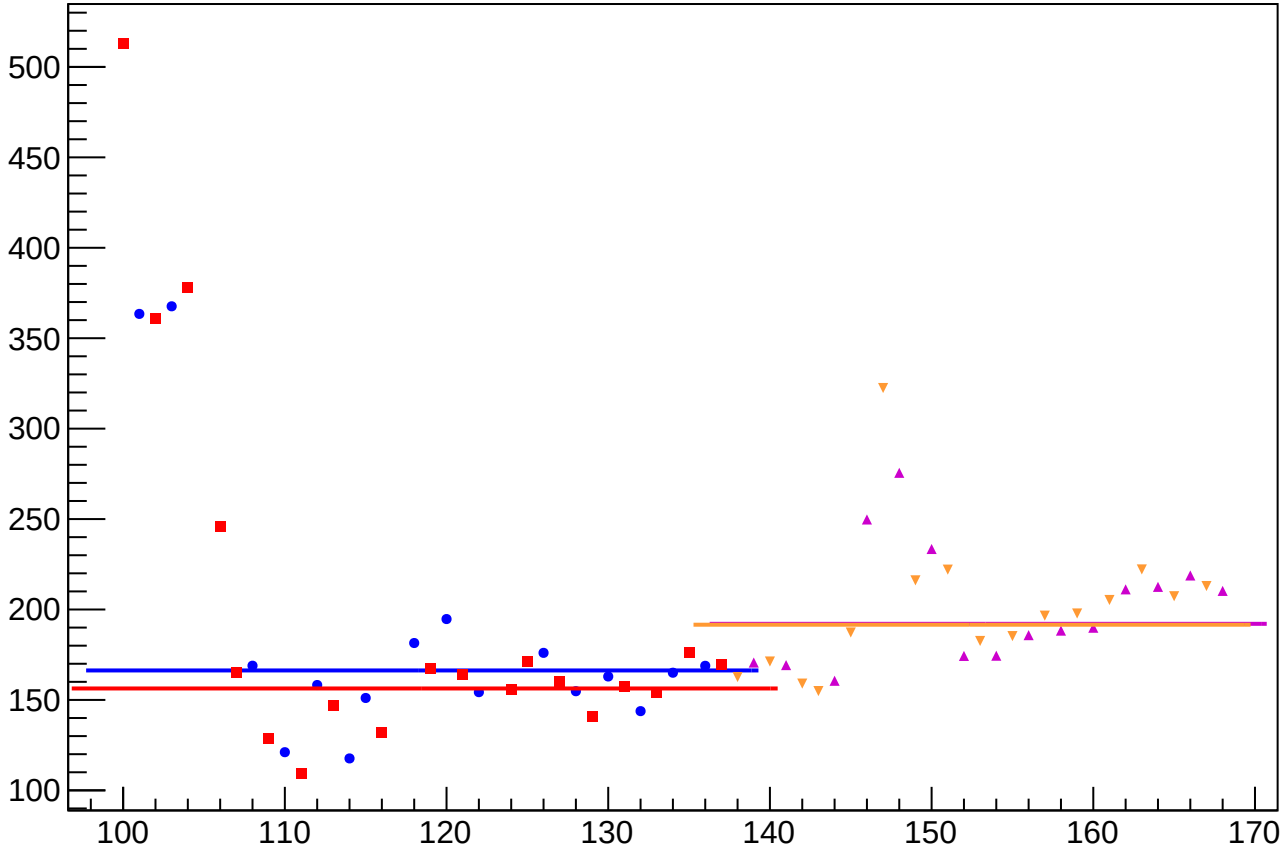
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130856.407+/-0.043 χ^2/NDF:3636671290.4/30

Out: 131002.657+/-0.041 χ^2/NDF:3879563781.9/3

All: 130932.146+/-0.030 χ^2/NDF: 752232745

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 191.590+/-0.039 χ^2/NDF:585509.0/15

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 192.079+/-0.039 χ^2/NDF:513857.8/14

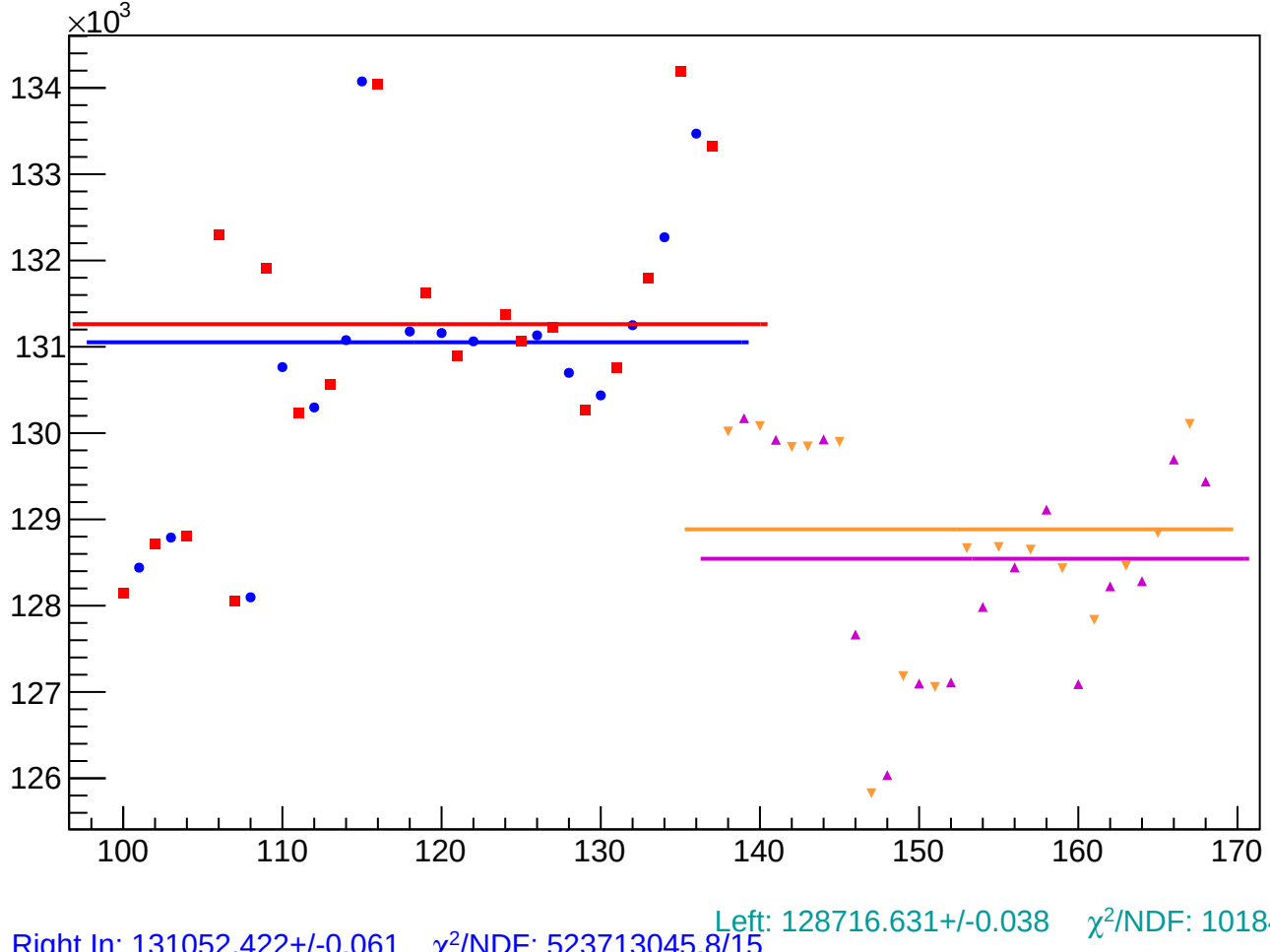
Left: 191.832+/-0.028 χ^2/NDF: 1099444.5/30

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 181.385+/-0.030 χ^2/NDF:1629231.1/30

Out: 175.834+/-0.029 χ^2/NDF:2121365.8/34

All: 178.510+/-0.021 χ^2/NDF: 3768154.5/65


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
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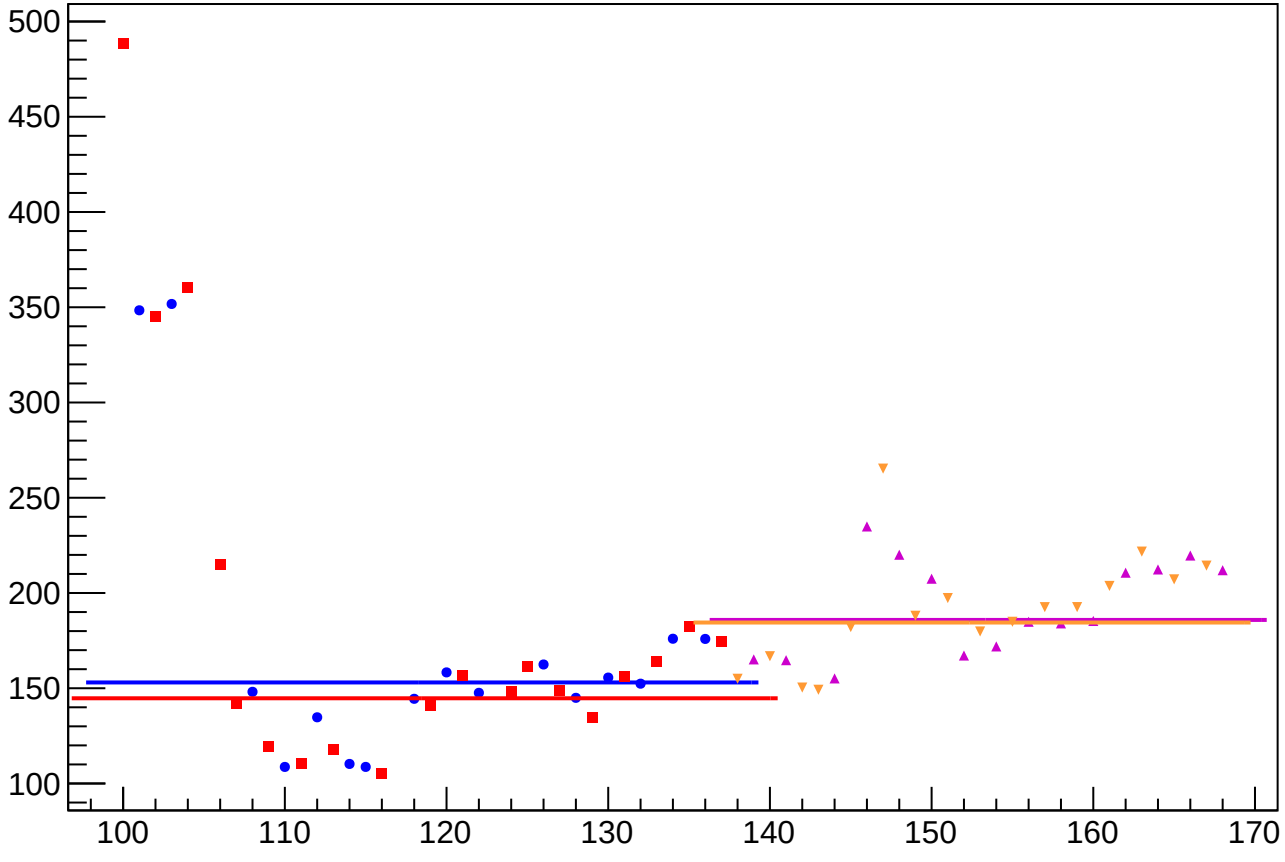
170
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128884.863+/-0.053 χ²/NDF:462190120.1/15
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128543.982+/-0.054 χ²/NDF:535917589.2/14
Left: 128716.631+/-0.038 χ²/NDF: 1018492876.4/3
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129647.218+/-0.040 χ²/NDF:2018190552.0/30
Out: 129995.080+/-0.039 χ²/NDF:2004696786.2/3
All: 129827.726+/-0.028 χ²/NDF: 406171254

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 184.500+/-0.038 χ^2/NDF:479643.5/15

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 185.860+/-0.038 χ^2/NDF:385007.3/14

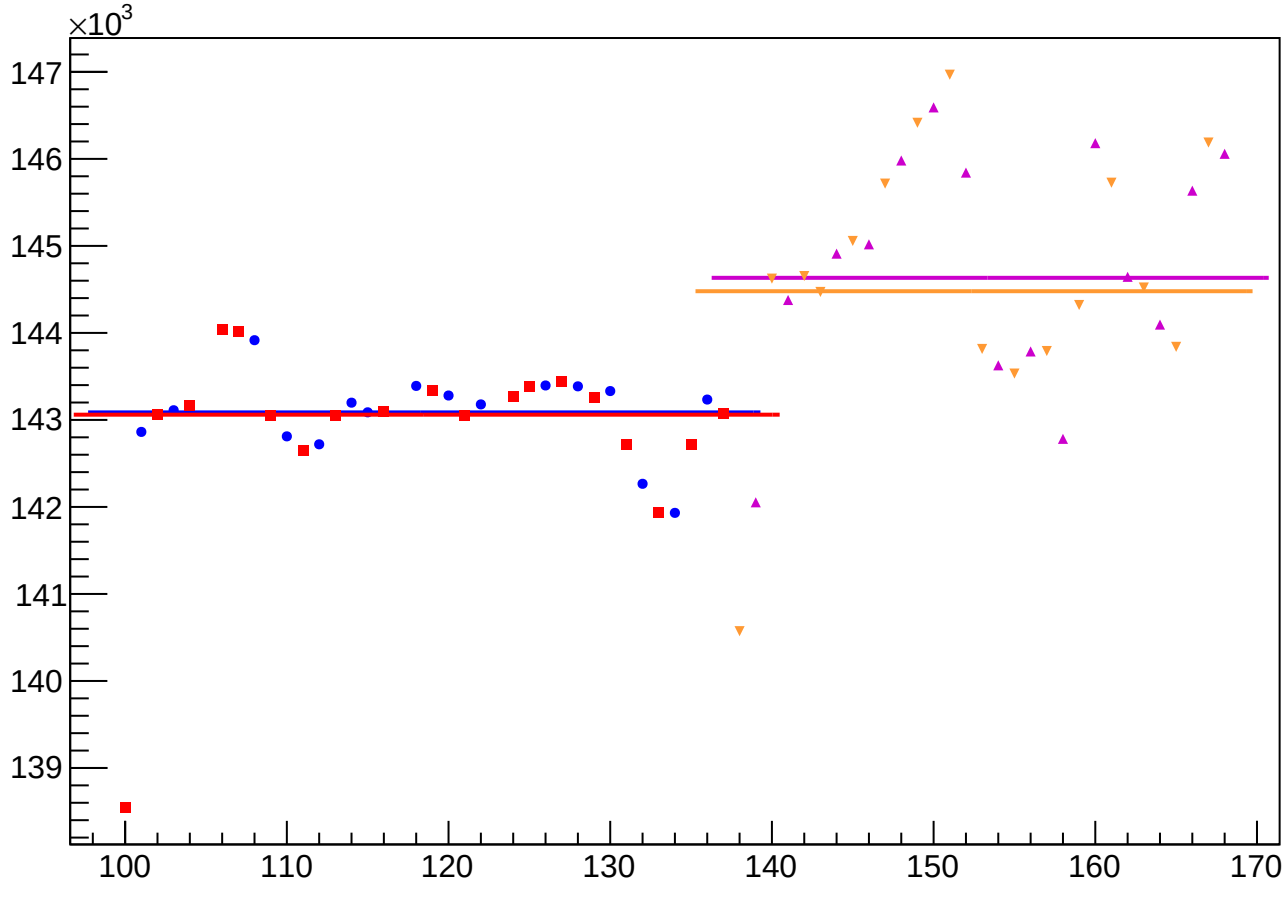
Left: 185.171+/-0.027 χ^2/NDF: 865300.3/30

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 171.427+/-0.028 χ^2/NDF:1772618.2/30

Out: 165.928+/-0.027 χ^2/NDF:2268164.5/34

All: 168.573+/-0.020 χ^2/NDF: 4060186.4/65



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144479.188+/-0.061 χ^2/NDF:639669361.2/15

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144633.069+/-0.062 χ^2/NDF:473290720.5/14

Left: 144555.862+/-0.043 χ^2/NDF: 1116093270.6/3

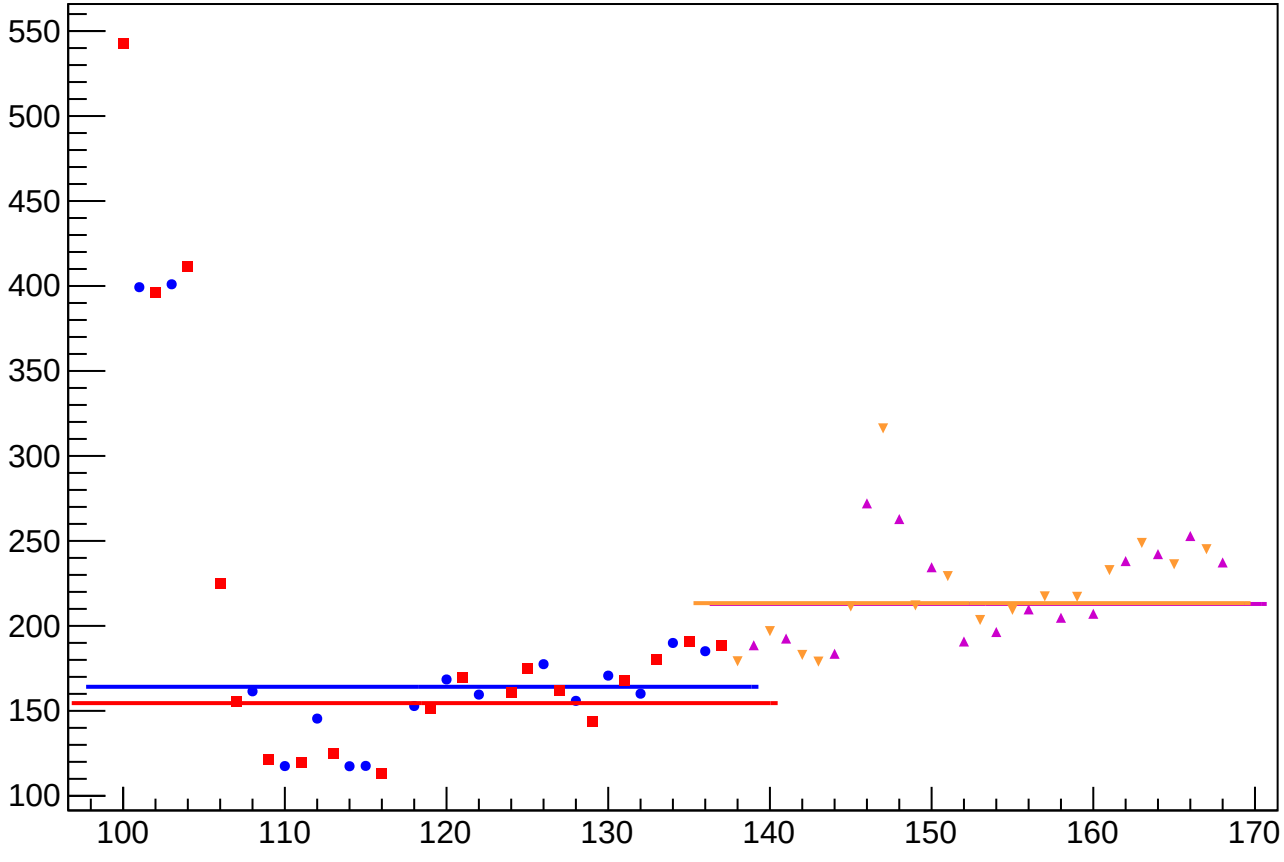
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143902.543+/-0.045 χ^2/NDF:817979492.2/30

Out: 143761.472+/-0.043 χ^2/NDF:961820578.0/34

All: 143829.453+/-0.031 χ^2/NDF: 17849534

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 213.380+/-0.043 χ^2/NDF:417096.9/15

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 212.898+/-0.044 χ^2/NDF:368523.5/14

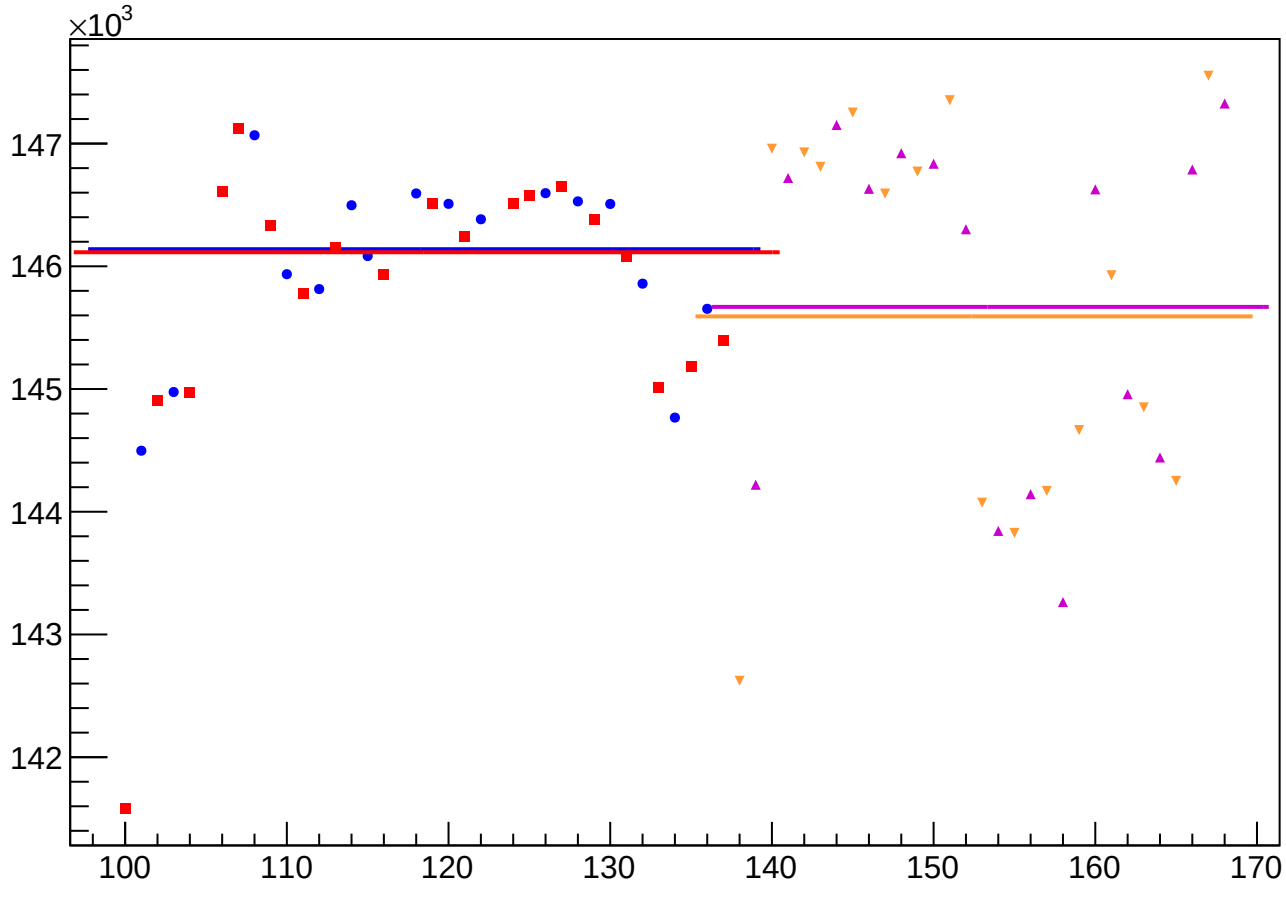
Left: 213.140+/-0.031 χ^2/NDF: 785681.8/30

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 189.880+/-0.032 χ^2/NDF:2089939.7/30

Out: 183.627+/-0.031 χ^2/NDF:2713447.7/34

All: 186.640+/-0.022 χ^2/NDF: 4823640.8/65



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145591.851+/-0.061 χ^2/NDF:672090201.3/15

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145669.216+/-0.061 χ^2/NDF:526047012.8/14

Left: 145630.119+/-0.043 χ^2/NDF: 1198938698.4/3

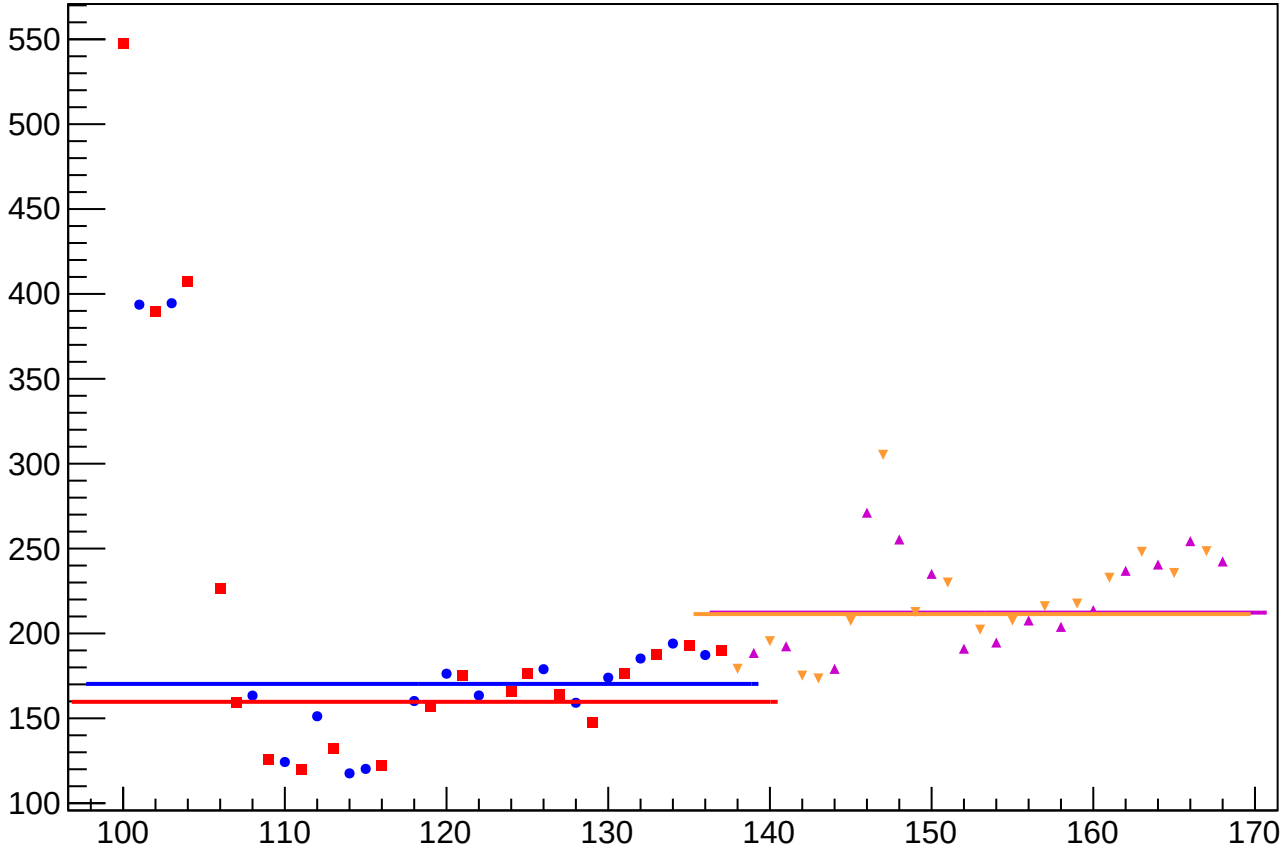
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145882.529+/-0.045 χ^2/NDF:624335923.2/30

Out: 145845.939+/-0.044 χ^2/NDF:781139997.8/34

All: 145863.480+/-0.031 χ^2/NDF: 140581408

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 211.405+/-0.043 χ^2/NDF:441578.0/15

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 212.270+/-0.043 χ^2/NDF:379414.9/14

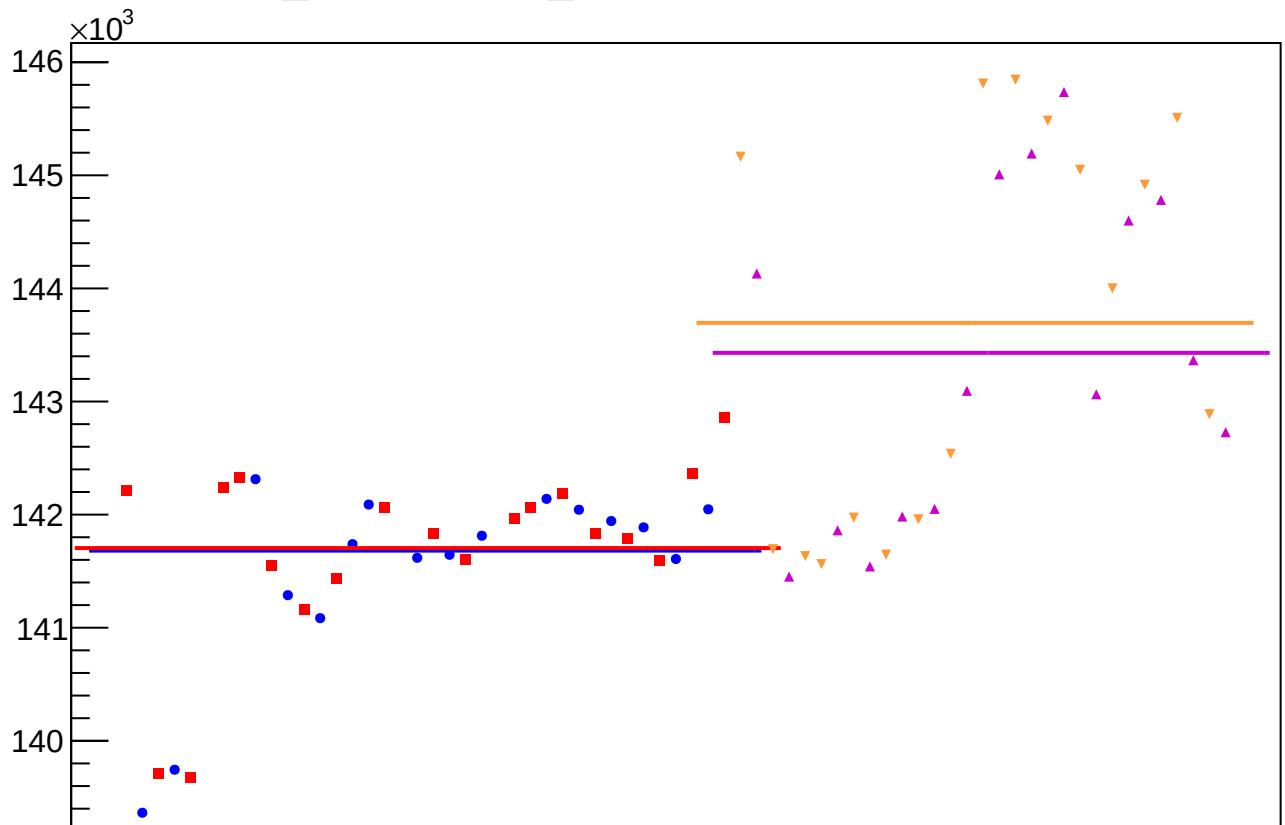
Left: 211.833+/-0.031 χ^2/NDF: 821193.4/30

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 193.213+/-0.032 χ^2/NDF:1861136.2/30

Out: 186.278+/-0.031 χ^2/NDF:2435956.6/34

All: 189.602+/-0.022 χ^2/NDF: 4321387.4/65



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143695.478+/-0.064 χ^2/NDF:701543396.0/15

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143430.439+/-0.064 χ^2/NDF:494508505.6/14

Left: 143562.665+/-0.045 χ^2/NDF: 1204666055.3/3

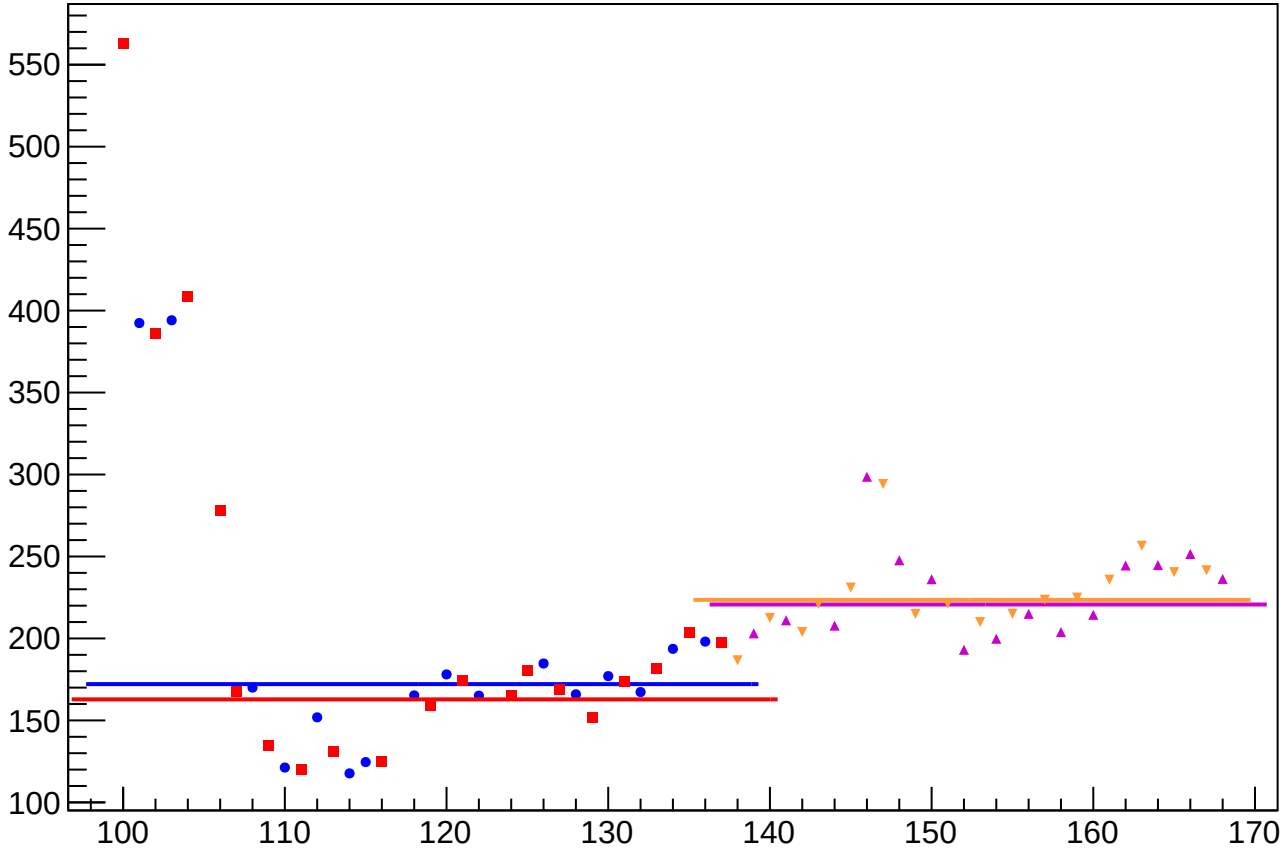
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142615.485+/-0.047 χ^2/NDF:909077394.0/30

Out: 142697.791+/-0.045 χ^2/NDF:1253248067.9/3

All: 142657.940+/-0.032 χ^2/NDF: 21639340

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 223.532+/-0.045 χ^2/NDF:227221.5/15

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.708+/-0.045 χ^2/NDF:286158.9/14

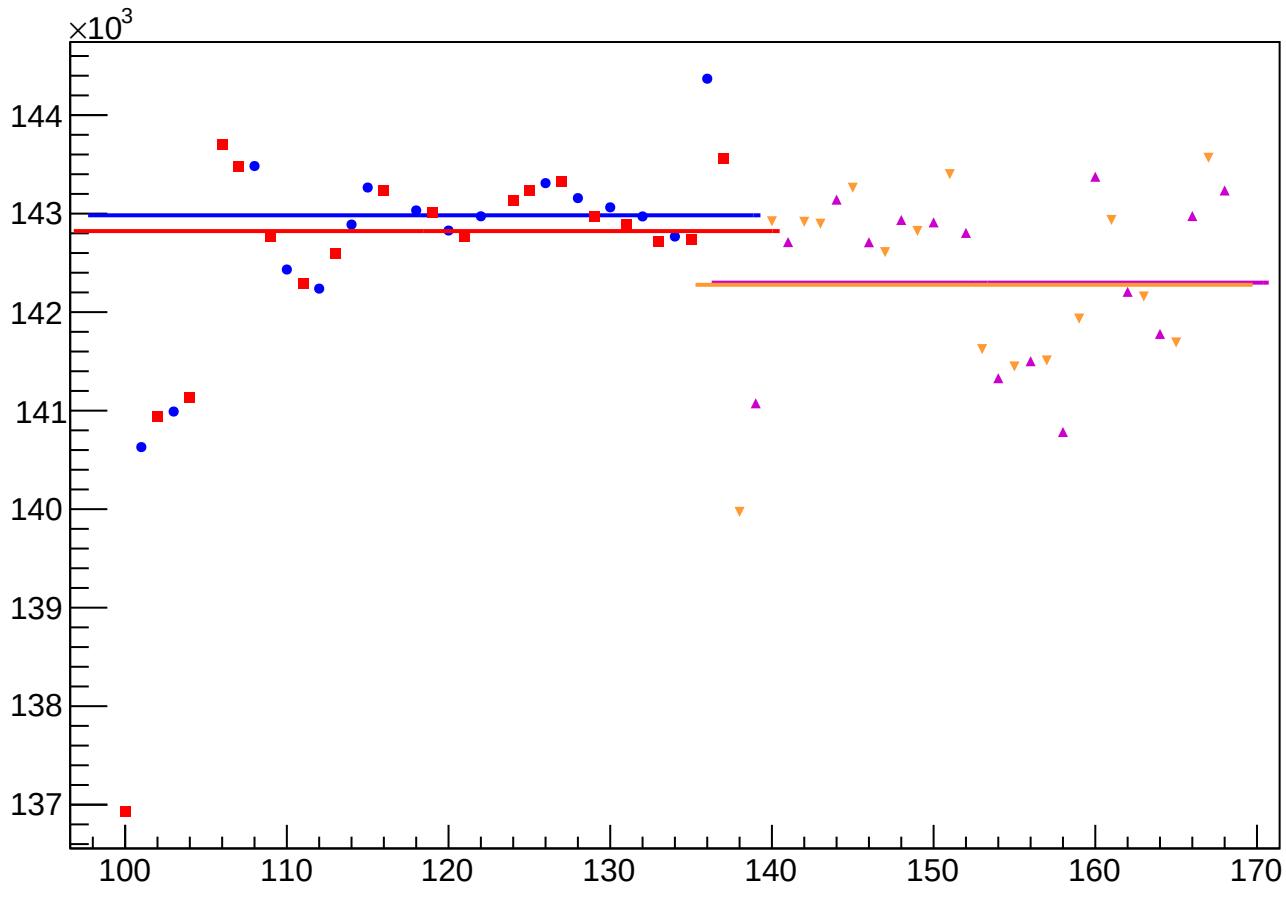
Left: 222.117+/-0.032 χ^2/NDF: 515335.3/30

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 198.072+/-0.033 χ^2/NDF:1895238.1/30

Out: 193.126+/-0.032 χ^2/NDF:2436196.4/34

All: 195.521+/-0.023 χ^2/NDF: 4343052.4/65



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142277.540+/-0.059 χ^2/NDF:274592719.2/15

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142299.350+/-0.060 χ^2/NDF:209914174.8/14

Left: 142288.339+/-0.042 χ^2/NDF: 484573530.6/30

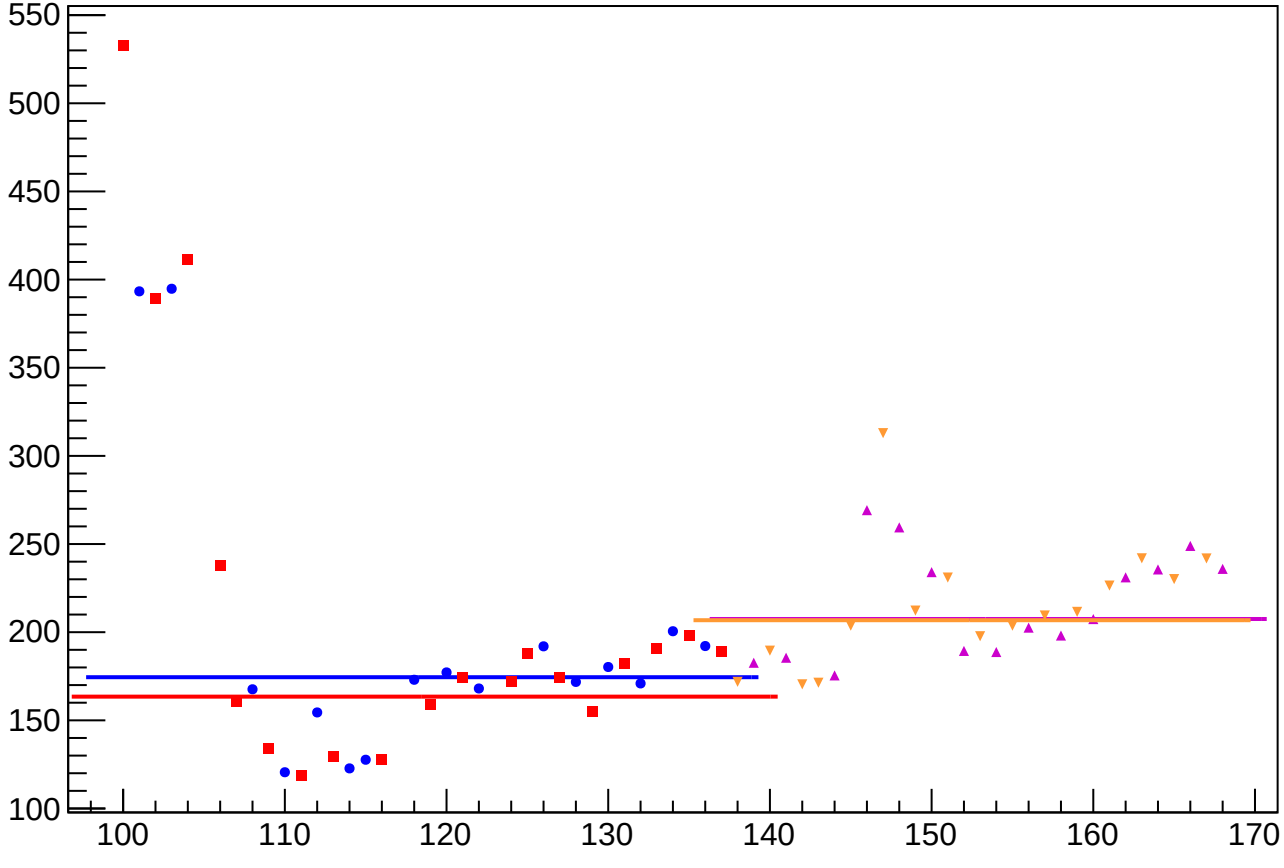
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142593.373+/-0.045 χ^2/NDF:373380990.0/30

Out: 142529.939+/-0.044 χ^2/NDF:377105570.1/34

All: 142560.404+/-0.031 χ^2/NDF: 751504659

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 206.795+/-0.042 χ^2/NDF:488681.0/15

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 207.486+/-0.042 χ^2/NDF:420255.7/14

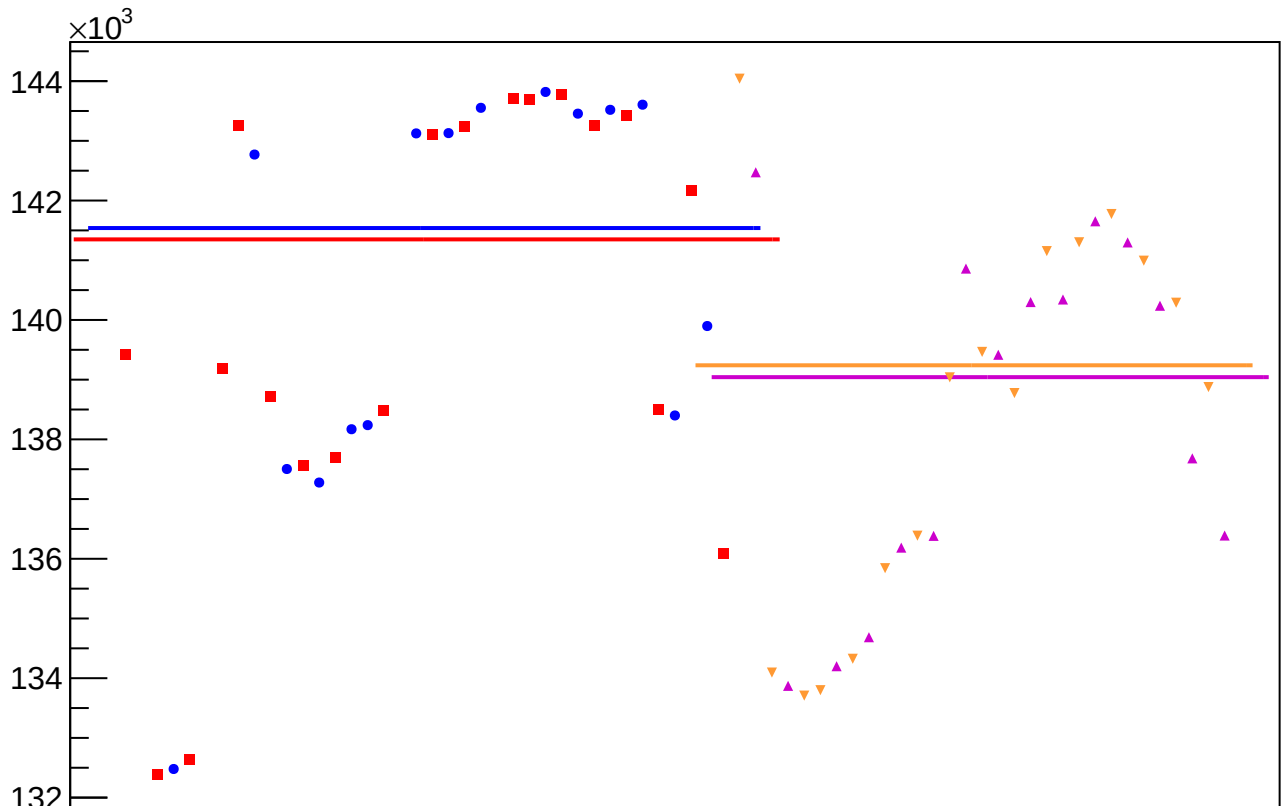
Left: 207.138+/-0.030 χ^2/NDF: 909070.5/30

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 193.286+/-0.032 χ^2/NDF:1729577.8/30

Out: 186.727+/-0.031 χ^2/NDF:2263399.3/34

All: 189.877+/-0.022 χ^2/NDF: 4014741.1/65



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139240.714+/-0.088 χ^2/NDF:1414035764.0/15

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139042.143+/-0.088 χ^2/NDF:1103518748.0/14

Left: 139141.854+/-0.062 χ^2/NDF: 2520110099.4/3

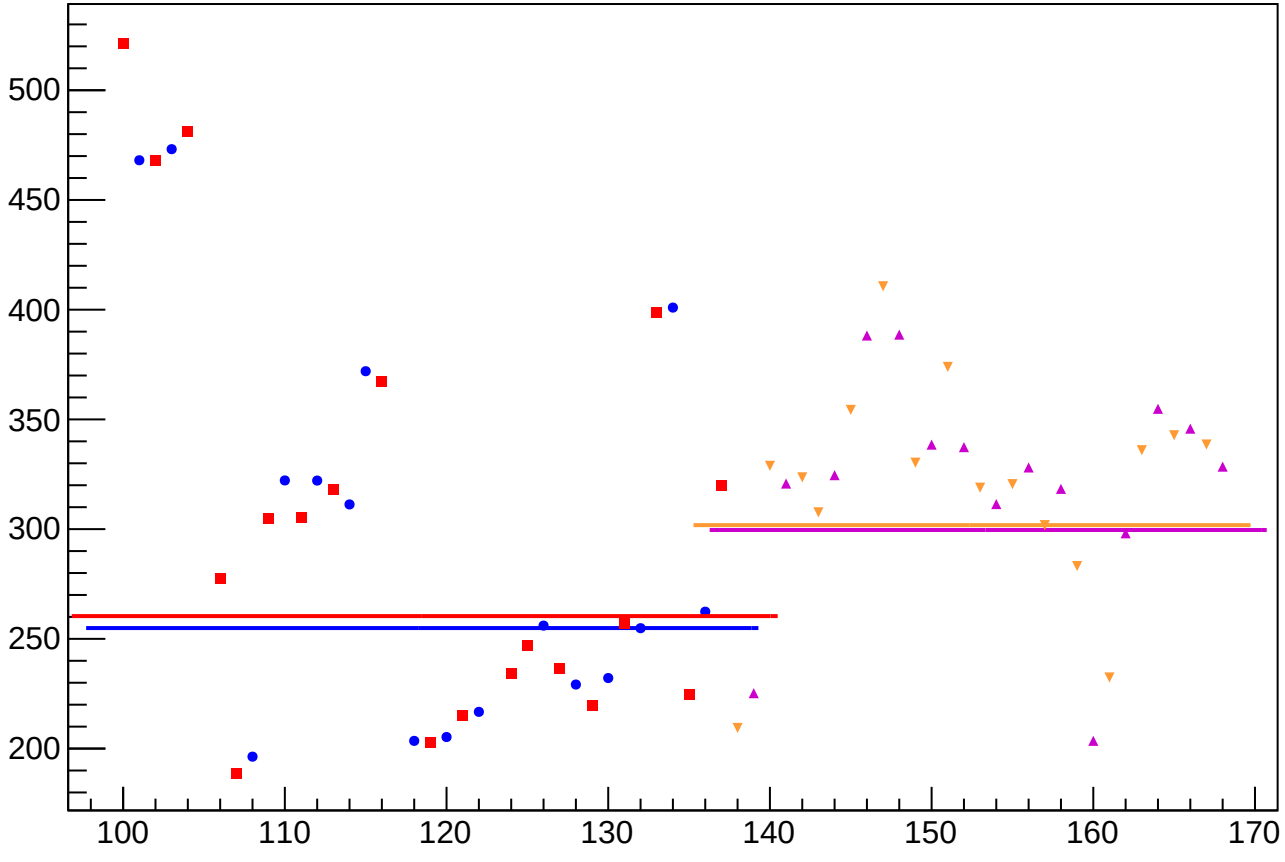
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140122.427+/-0.066 χ^2/NDF:2399475317.2/30

Out: 140145.993+/-0.066 χ^2/NDF:2589220549.3/3

All: 140134.226+/-0.047 χ^2/NDF: 498875912

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 301.827+/-0.062 χ^2/NDF:745175.9/15

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 299.595+/-0.062 χ^2/NDF:857194.0/14

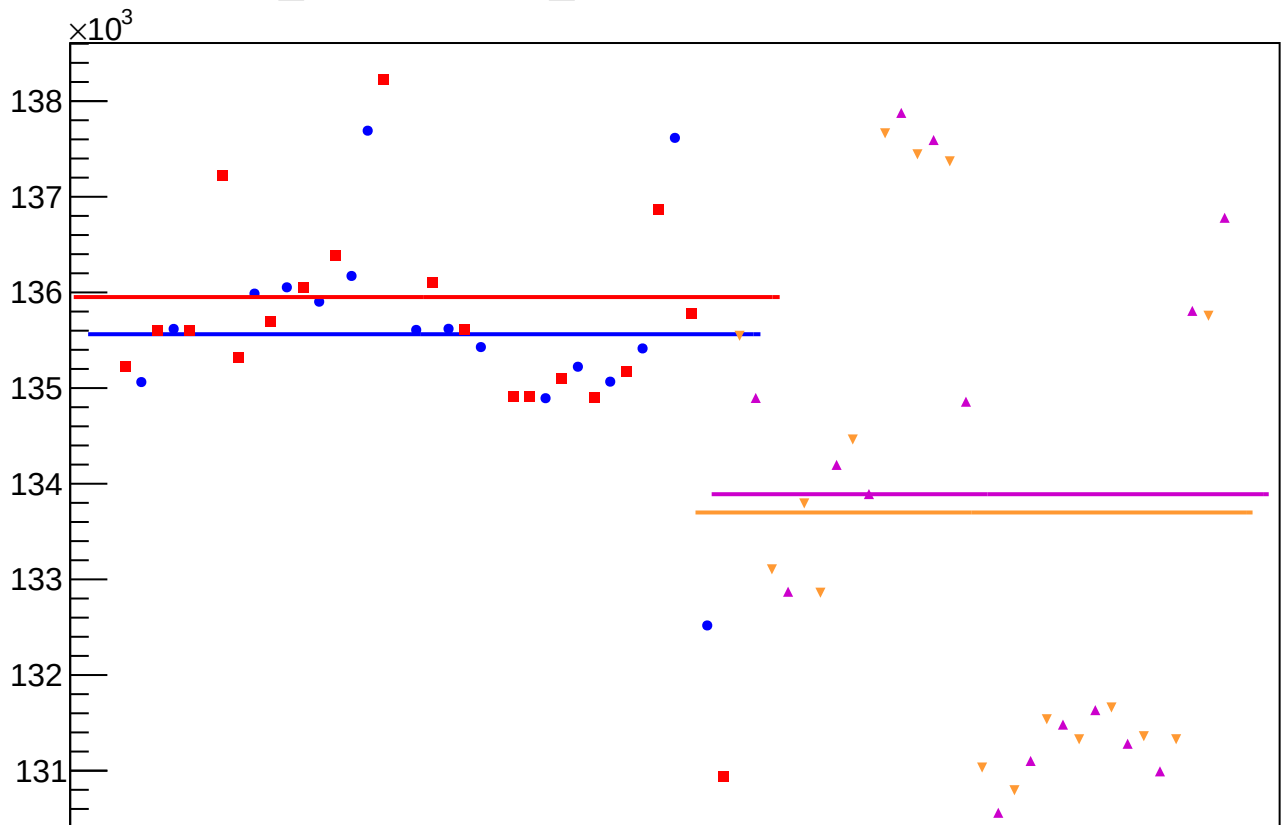
Left: 300.716+/-0.044 χ^2/NDF: 1603015.3/30

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 280.269+/-0.047 χ^2/NDF:2030028.1/30

Out: 284.029+/-0.047 χ^2/NDF:1930586.4/34

All: 282.152+/-0.033 χ^2/NDF: 3963834.3/65



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133699.351+/-0.077 χ^2/NDF:696294069.6/15

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133890.461+/-0.079 χ^2/NDF:686894336.0/14

Left: 133793.020+/-0.055 χ^2/NDF: 1386178059.2/3

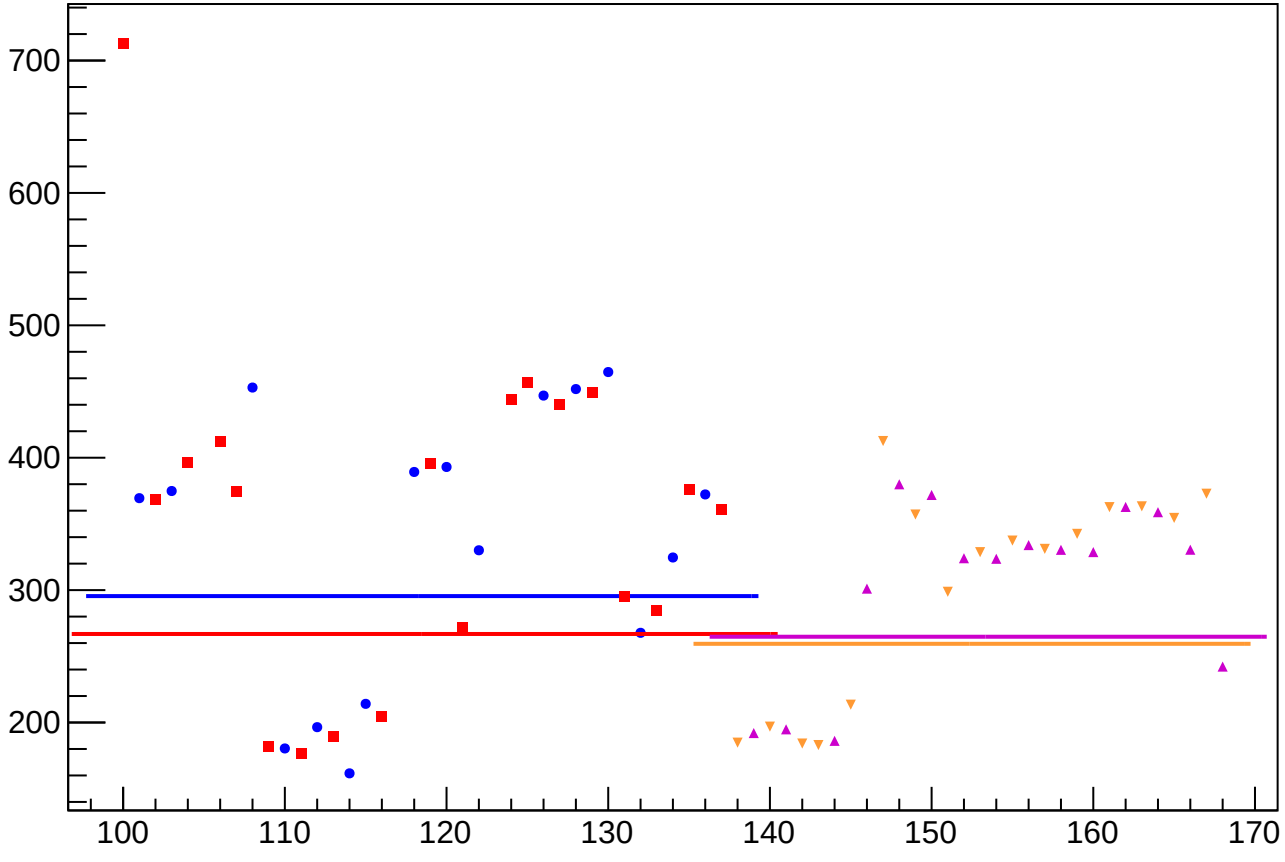
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134405.292+/-0.066 χ^2/NDF:919308636.1/30

Out: 134478.887+/-0.063 χ^2/NDF:1081077157.4/3

All: 134443.863+/-0.045 χ^2/NDF: 20010441

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 259.437+/-0.055 χ^2/NDF:2102560.0/15

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.785+/-0.056 χ^2/NDF:1664597.8/14

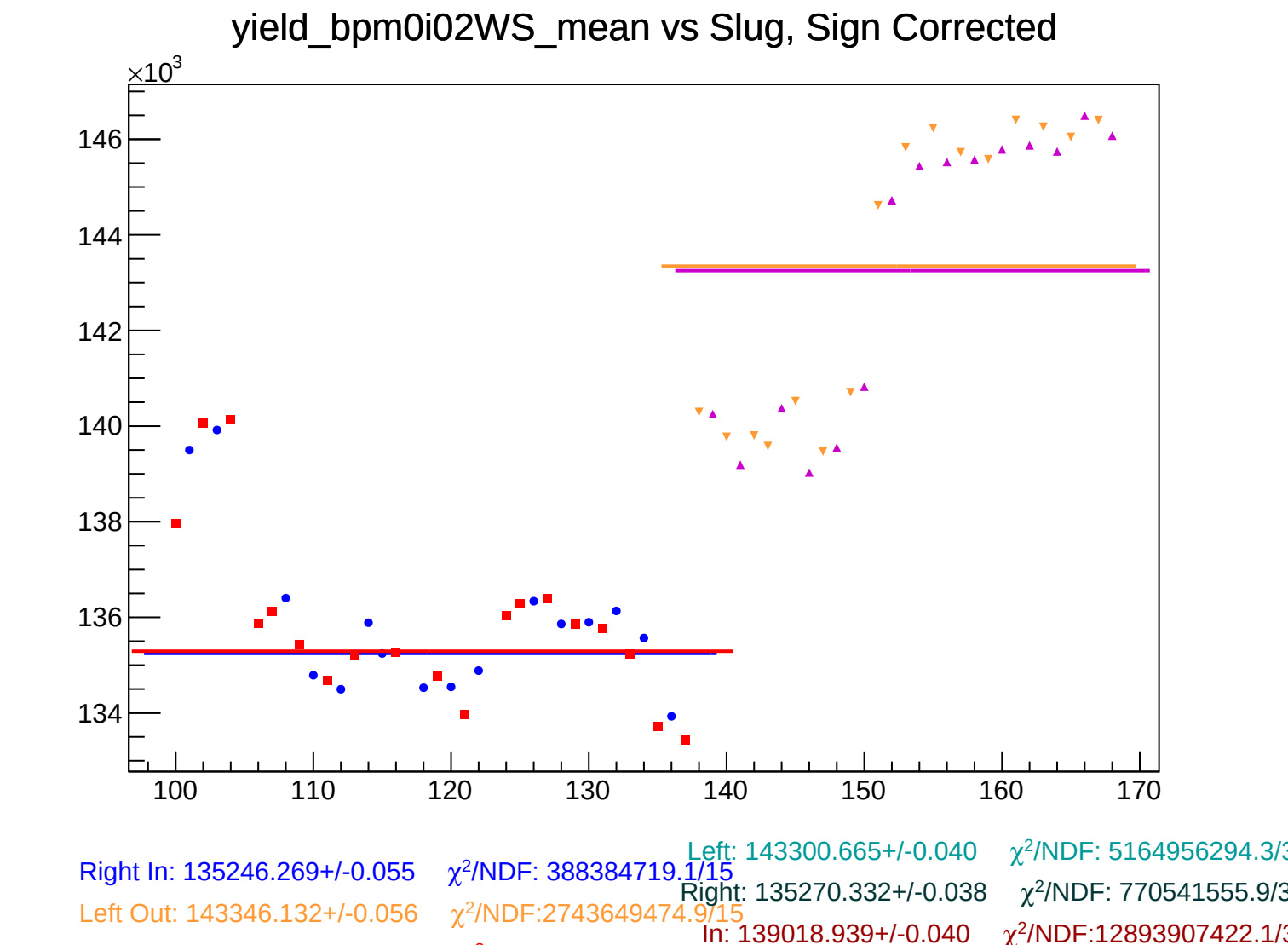
Left: 262.058+/-0.039 χ^2/NDF: 3771839.9/30

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 274.233+/-0.046 χ^2/NDF:3200256.3/30

Out: 262.008+/-0.044 χ^2/NDF:3787010.8/34

All: 267.826+/-0.032 χ^2/NDF: 7023603.6/65


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
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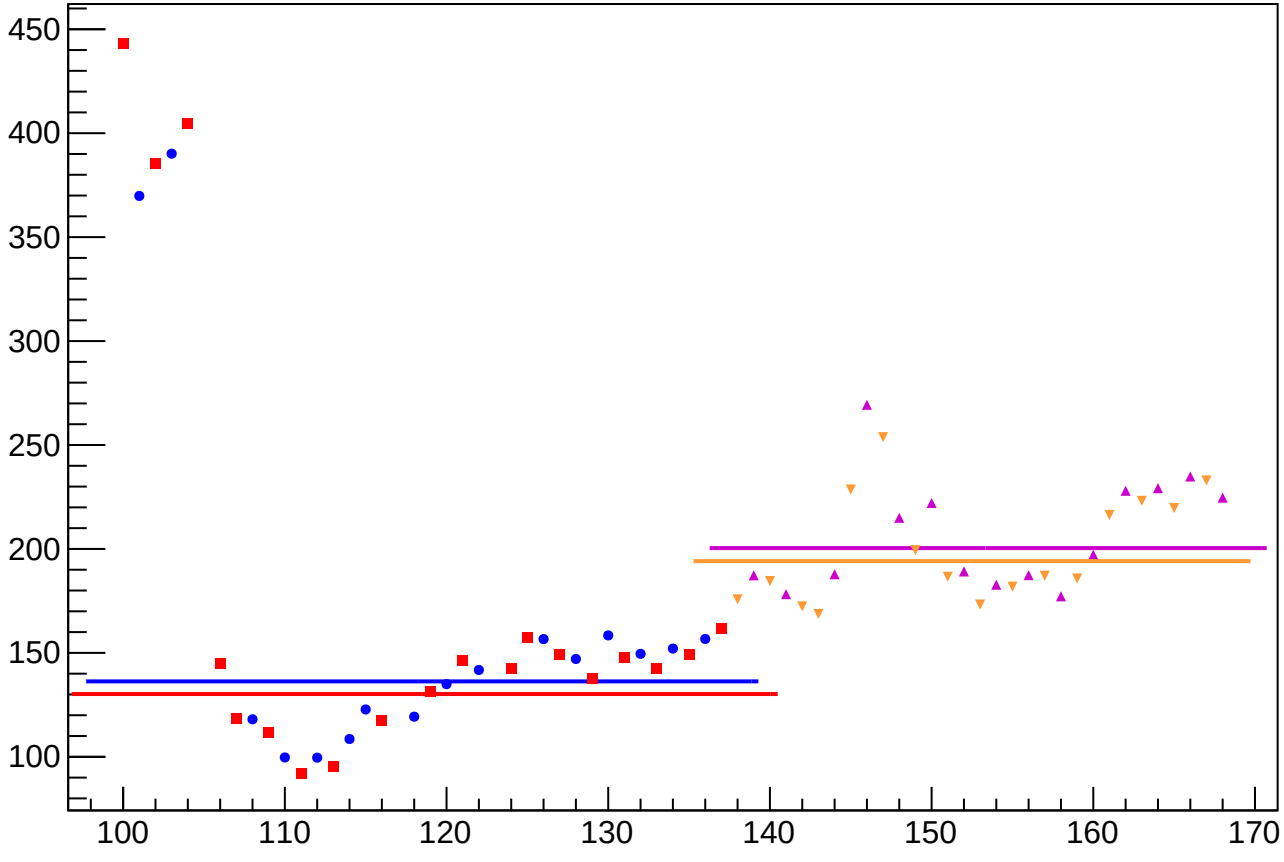
140
150
160
170
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143346.132+/-0.056 χ²/NDF:2743649474.9/15
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143251.497+/-0.058 χ²/NDF:2419921788.8/14
Left: 143300.665+/-0.040 χ²/NDF: 5164956294.3/3
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 139018.939+/-0.040 χ²/NDF:12893907422.1/3
Out: 139020.605+/-0.038 χ²/NDF:14339702666.6
All: 139019.812+/-0.027 χ²/NDF: 27233611

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 194.141+/-0.039 χ^2/NDF:339346.9/15

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 200.412+/-0.041 χ^2/NDF:323625.0/14

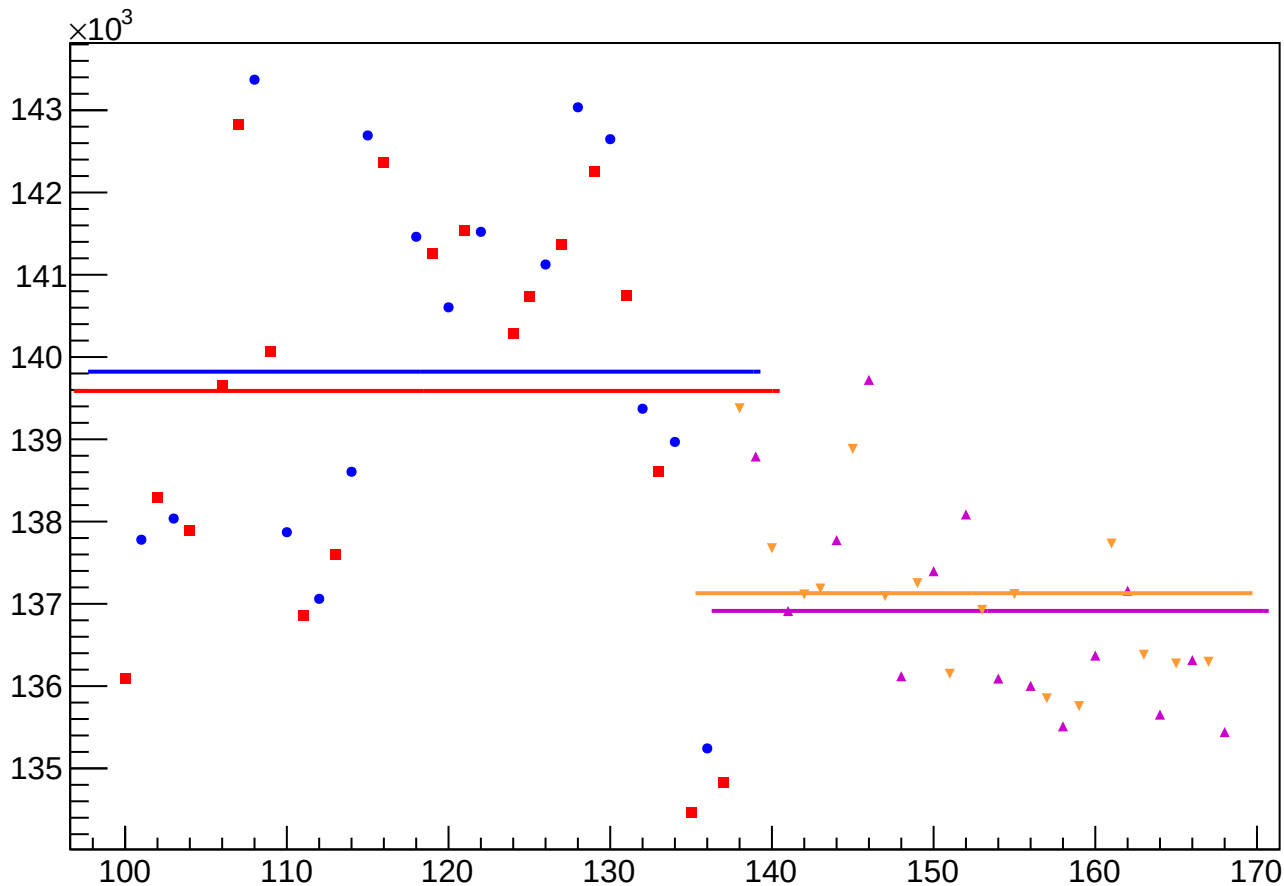
Left: 197.154+/-0.028 χ^2/NDF: 675137.2/30

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 166.507+/-0.028 χ^2/NDF:3002092.7/30

Out: 159.805+/-0.027 χ^2/NDF:3273462.1/34

All: 162.995+/-0.019 χ^2/NDF: 6305285.6/65


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
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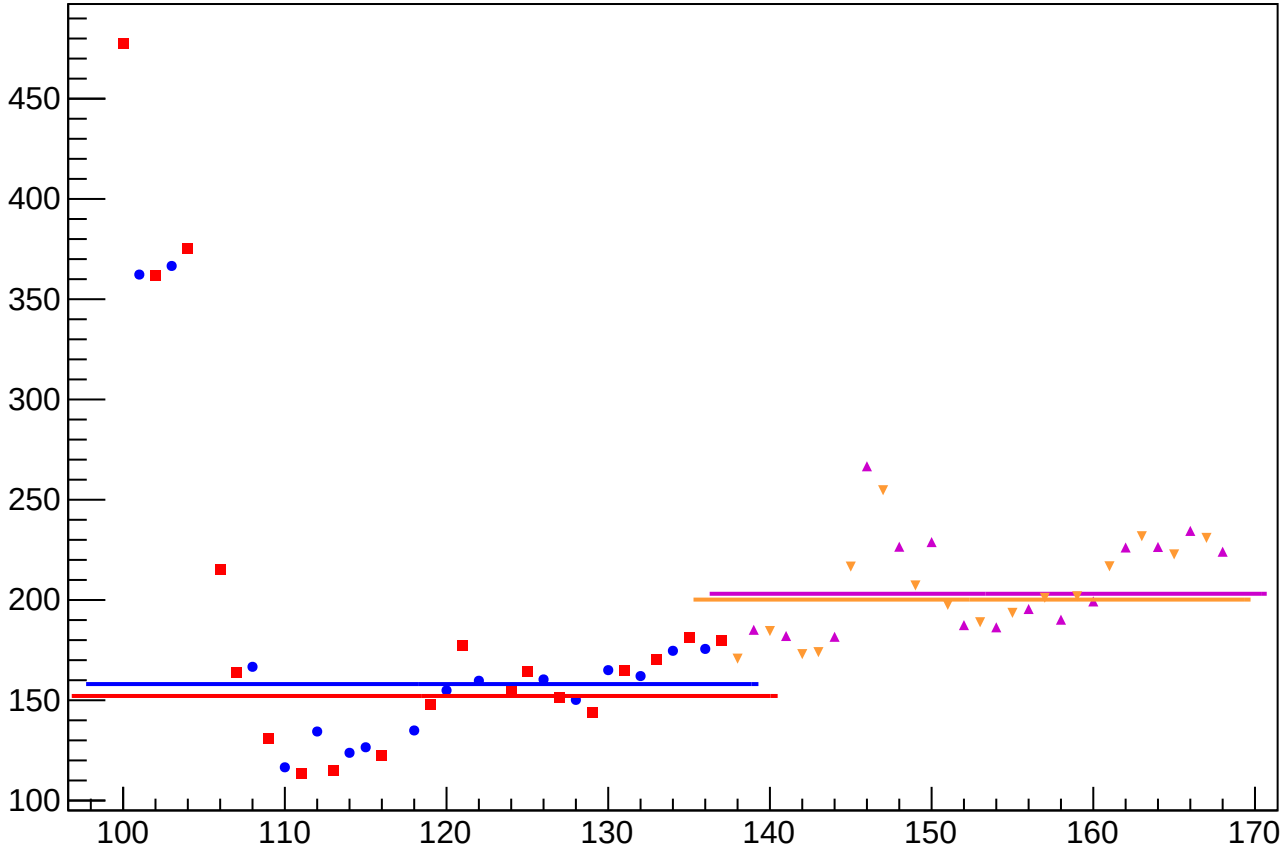
140
150
160
170
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137129.393+/-0.058 χ²/NDF:315473029.3/15
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 136914.112+/-0.059 χ²/NDF:394592706.6/14
Left: 137024.106+/-0.041 χ²/NDF: 716910206.5/30
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138277.845+/-0.043 χ²/NDF:3204244593.7/30
Out: 138312.955+/-0.041 χ²/NDF:2677062457.1/3
All: 138295.992+/-0.030 χ²/NDF: 58816538

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 200.203+/-0.041 χ^2/NDF:286927.9/15

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 203.107+/-0.042 χ^2/NDF:301637.6/14

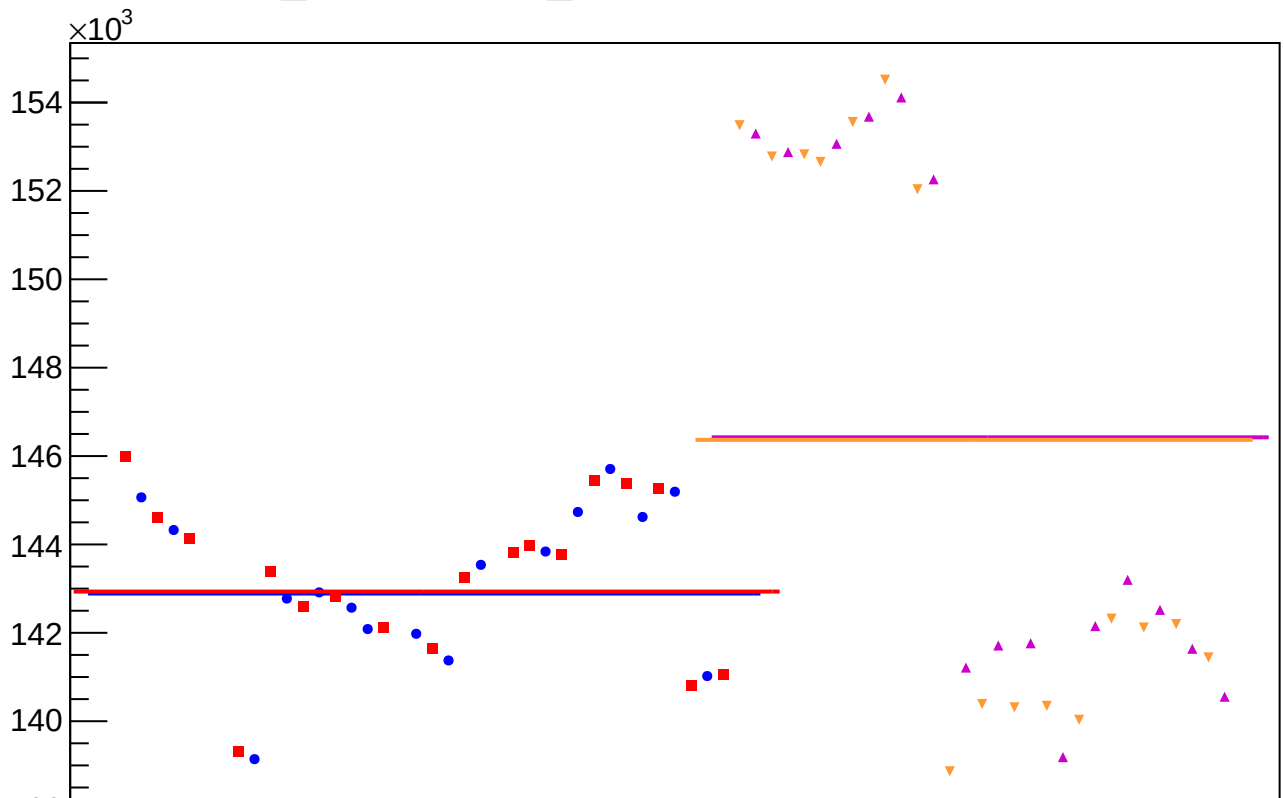
Left: 201.623+/-0.029 χ^2/NDF: 591056.7/30

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 181.991+/-0.030 χ^2/NDF:1869215.9/30

Out: 177.064+/-0.029 χ^2/NDF:2187646.5/34

All: 179.444+/-0.021 χ^2/NDF: 4070521.1/65



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146367.254+/-0.058 χ^2/NDF:11319890871.8/15

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 146424.056+/-0.060 χ^2/NDF:9775027483.1/14

Left: 146395.082+/-0.042 χ^2/NDF: 21095382173.1

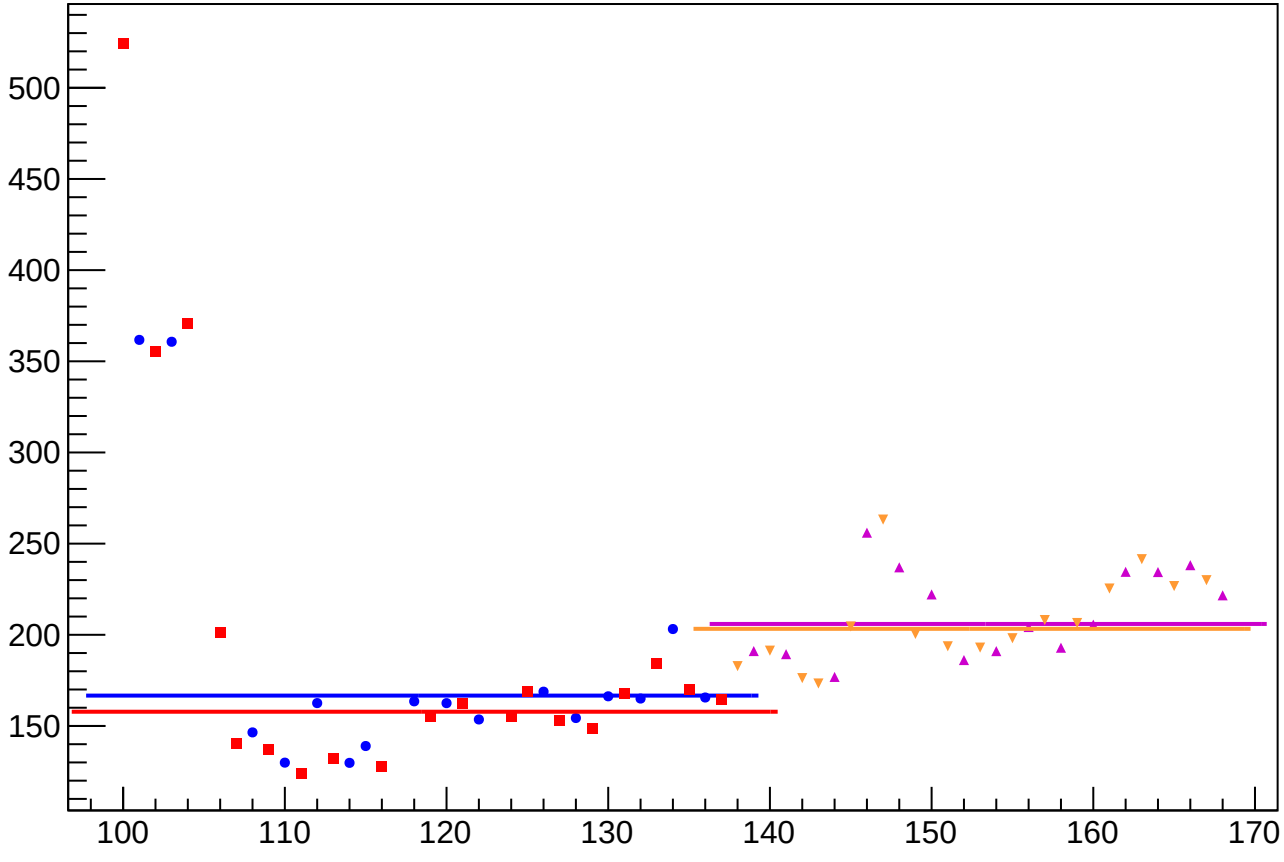
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144828.902+/-0.044 χ^2/NDF:12127291651.8/3

Out: 144740.973+/-0.042 χ^2/NDF:13745710500.3

All: 144783.135+/-0.031 χ^2/NDF: 25875069

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 203.275+/-0.041 χ^2/NDF:279007.5/15

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 205.952+/-0.042 χ^2/NDF:282051.1/14

Left: 204.586+/-0.029 χ^2/NDF: 563118.4/30

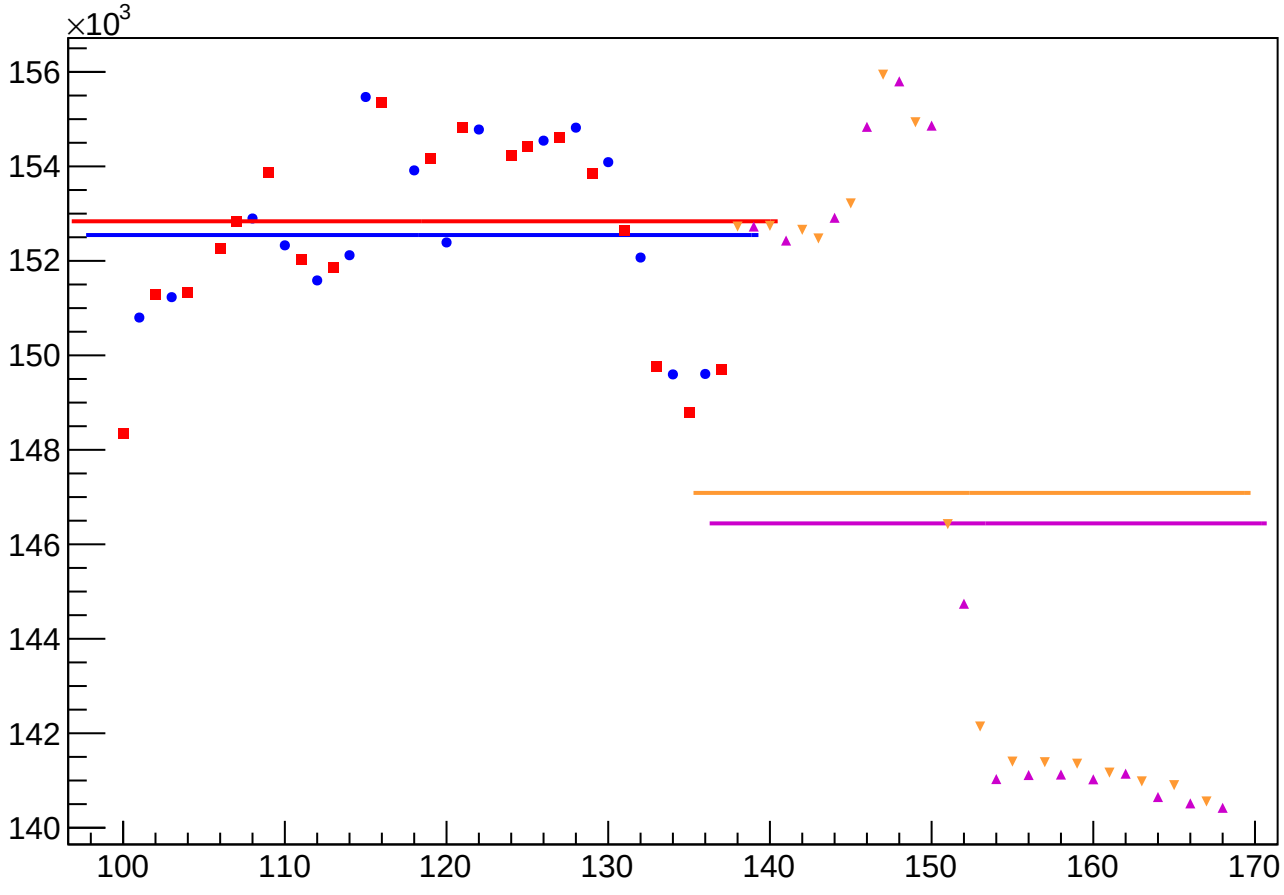
Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 188.218+/-0.031 χ^2/NDF:1538383.3/30

Out: 181.739+/-0.030 χ^2/NDF:1875976.7/34

All: 184.846+/-0.022 χ^2/NDF: 3436803.5/65

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147088.231+/-0.058 χ^2/NDF:10131633182.9/15

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146442.935+/-0.059 χ^2/NDF:10656843016.5/14

Left: 146771.749+/-0.041 χ^2/NDF: 20849157686.7/

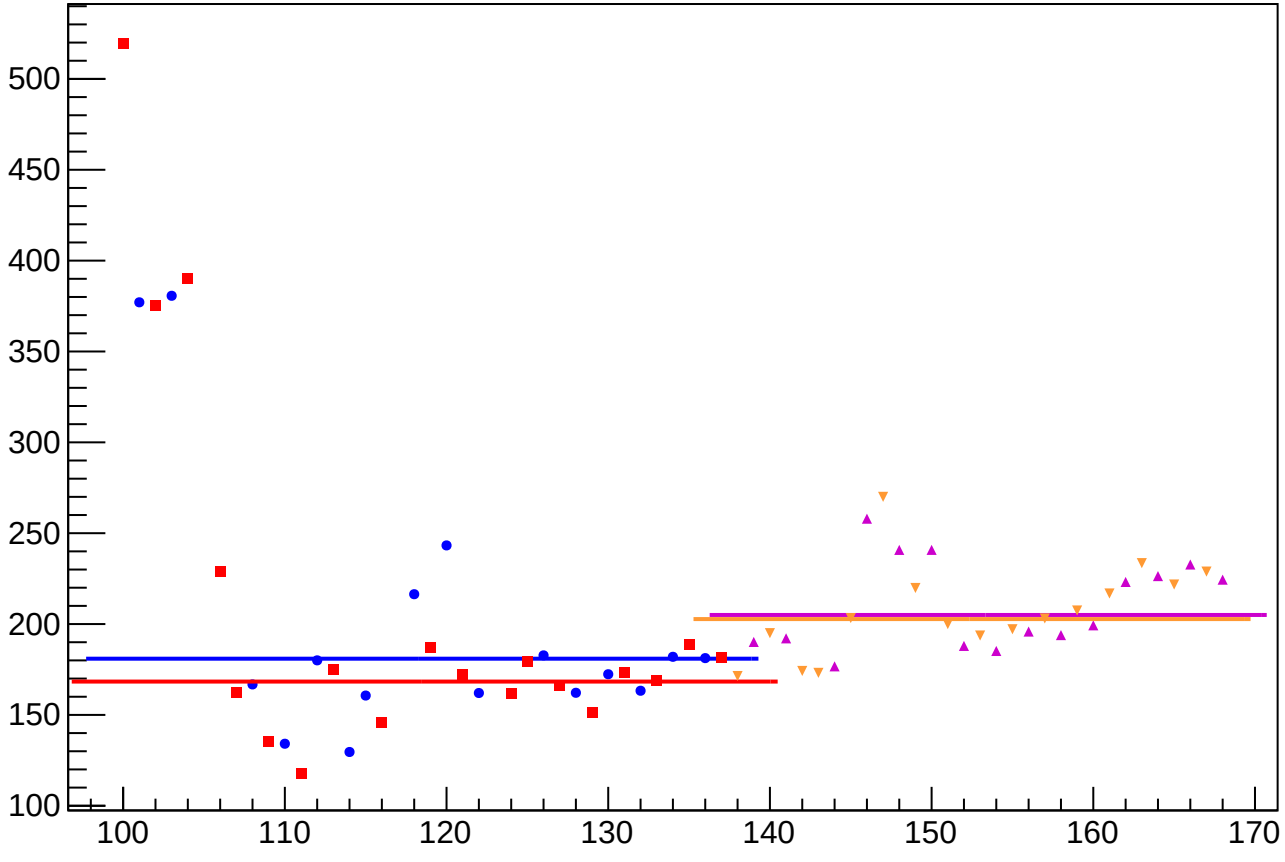
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148876.728+/-0.046 χ^2/NDF:15559948997.5/3

Out: 149566.191+/-0.044 χ^2/NDF:15101892214.4

All: 149237.539+/-0.032 χ^2/NDF: 30780162

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 202.738+/-0.041 χ^2/NDF:305692.3/15

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 205.003+/-0.042 χ^2/NDF:306426.0/14

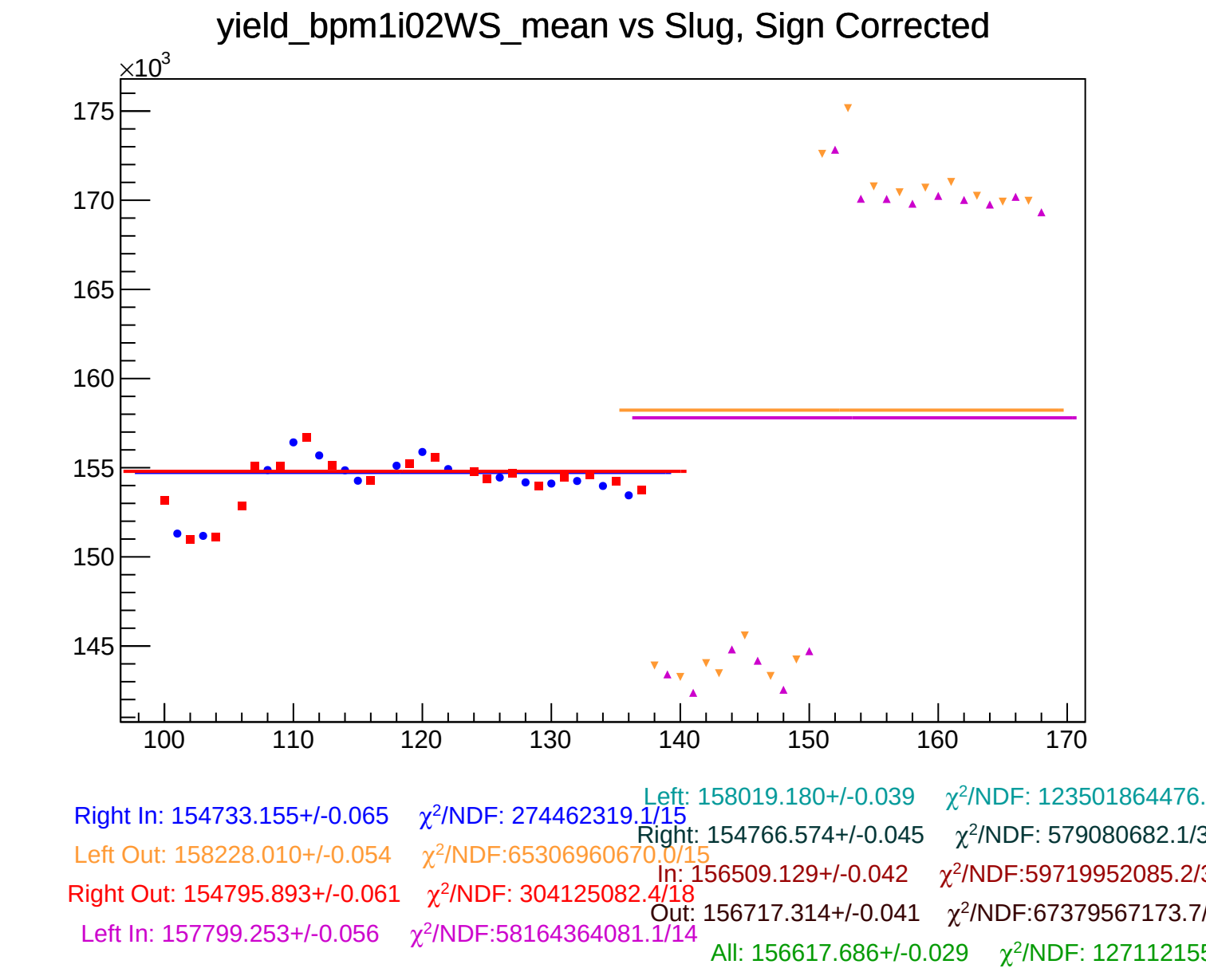
Left: 203.849+/-0.029 χ^2/NDF: 613614.2/30

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

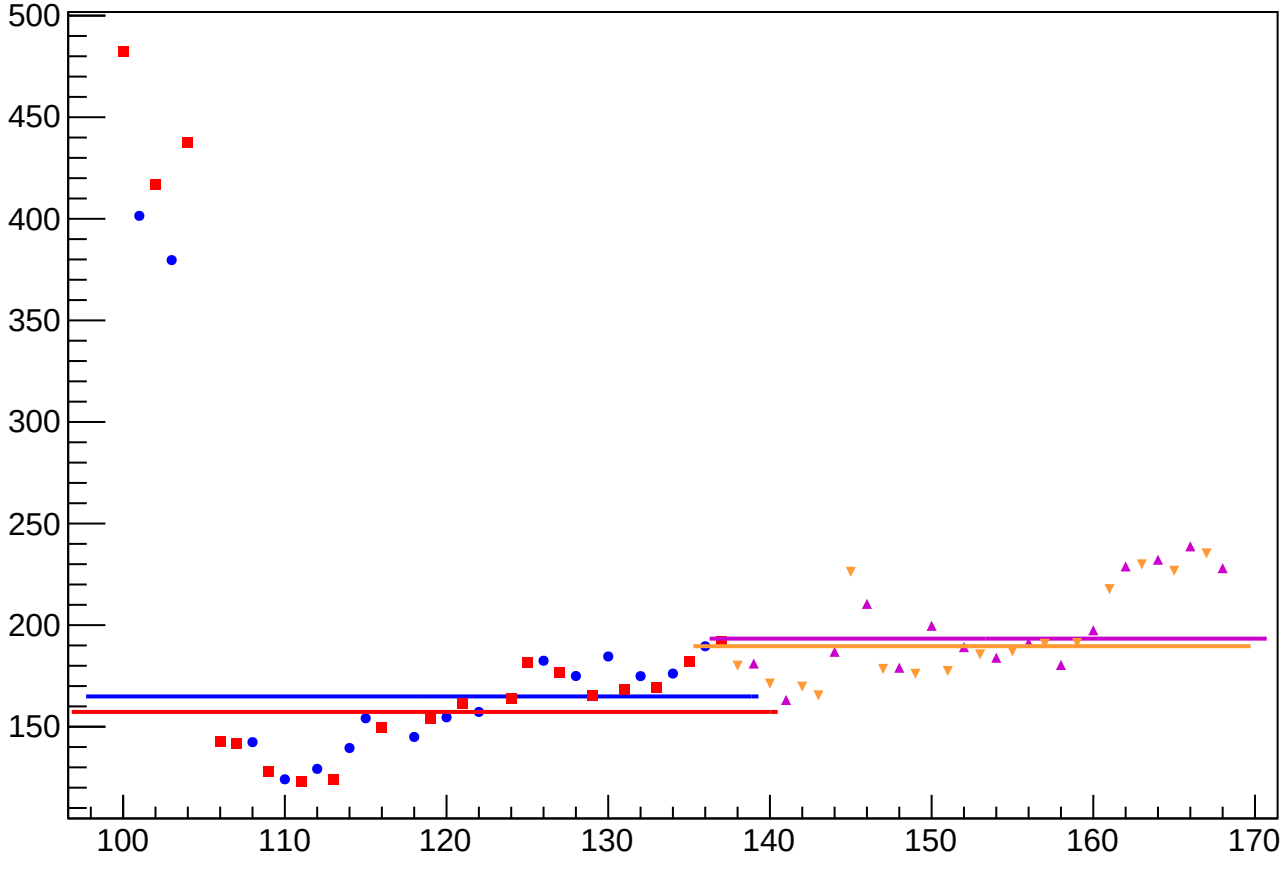
In: 195.408+/-0.032 χ^2/NDF:1346256.9/30

Out: 187.917+/-0.031 χ^2/NDF:1697655.8/34

All: 191.488+/-0.022 χ^2/NDF: 3071847.4/65


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
110
120
130
140
150
160
170
Right In: 154733.155+/-0.065 χ²/NDF: 274462319.1/15
Left Out: 158228.010+/-0.054 χ²/NDF:65306960670.0/15
Right Out: 154795.893+/-0.061 χ²/NDF: 304125082.4/18
Left In: 157799.253+/-0.056 χ²/NDF:58164364081.1/14
Left: 158019.180+/-0.039 χ²/NDF: 123501864476.
Right: 154766.574+/-0.045 χ²/NDF: 579080682.1/3
In: 156509.129+/-0.042 χ²/NDF:59719952085.2/3
Out: 156717.314+/-0.041 χ²/NDF:67379567173.7/
All: 156617.686+/-0.029 χ²/NDF: 12711215

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 189.634+/-0.038 χ^2/NDF:308218.0/15

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 193.357+/-0.039 χ^2/NDF:262025.0/14

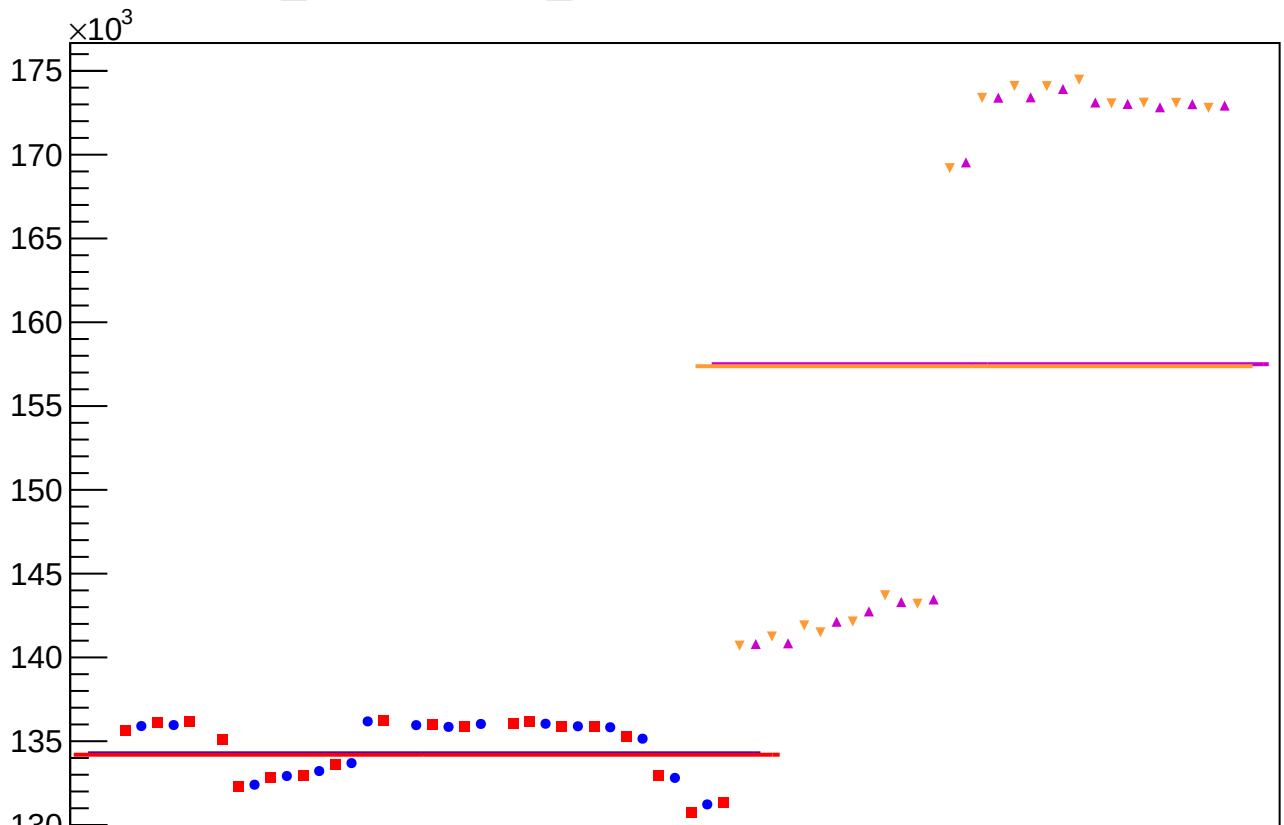
Left: 191.447+/-0.027 χ^2/NDF: 574846.7/30

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 181.386+/-0.030 χ^2/NDF:1555362.4/30

Out: 175.394+/-0.029 χ^2/NDF:1877307.4/34

All: 178.261+/-0.021 χ^2/NDF: 3453601.1/65



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 157376.613+/-0.055 χ^2/NDF:80325733041.3/15

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 157498.144+/-0.056 χ^2/NDF:74070691026.0/14

Left: 157435.451+/-0.039 χ^2/NDF: 154398819014.

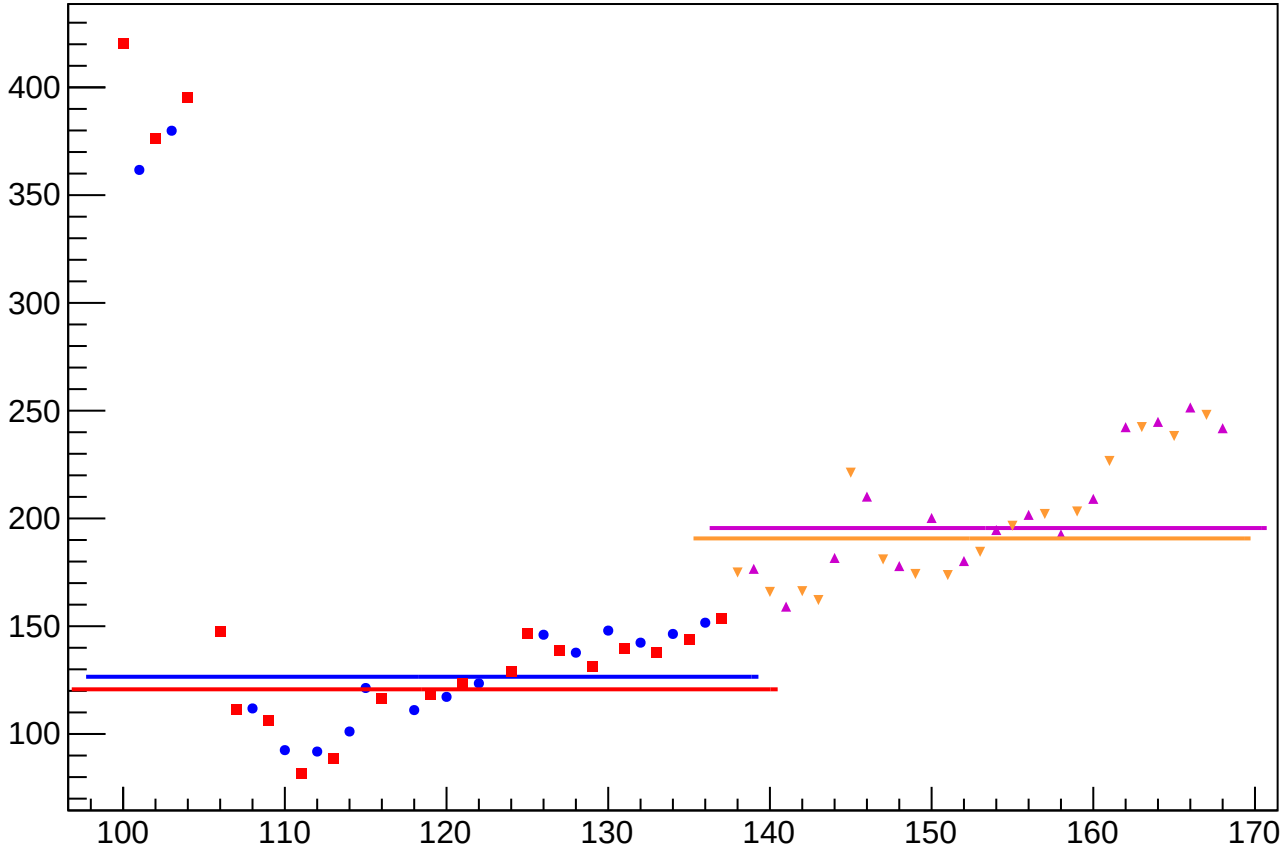
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 144682.281+/-0.038 χ^2/NDF:168760946032.9

Out: 144286.087+/-0.036 χ^2/NDF:183167704494.

All: 144475.028+/-0.026 χ^2/NDF: 35198624

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 190.730+/-0.039 χ^2/NDF:448981.1/15

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 195.545+/-0.040 χ^2/NDF:395567.9/14

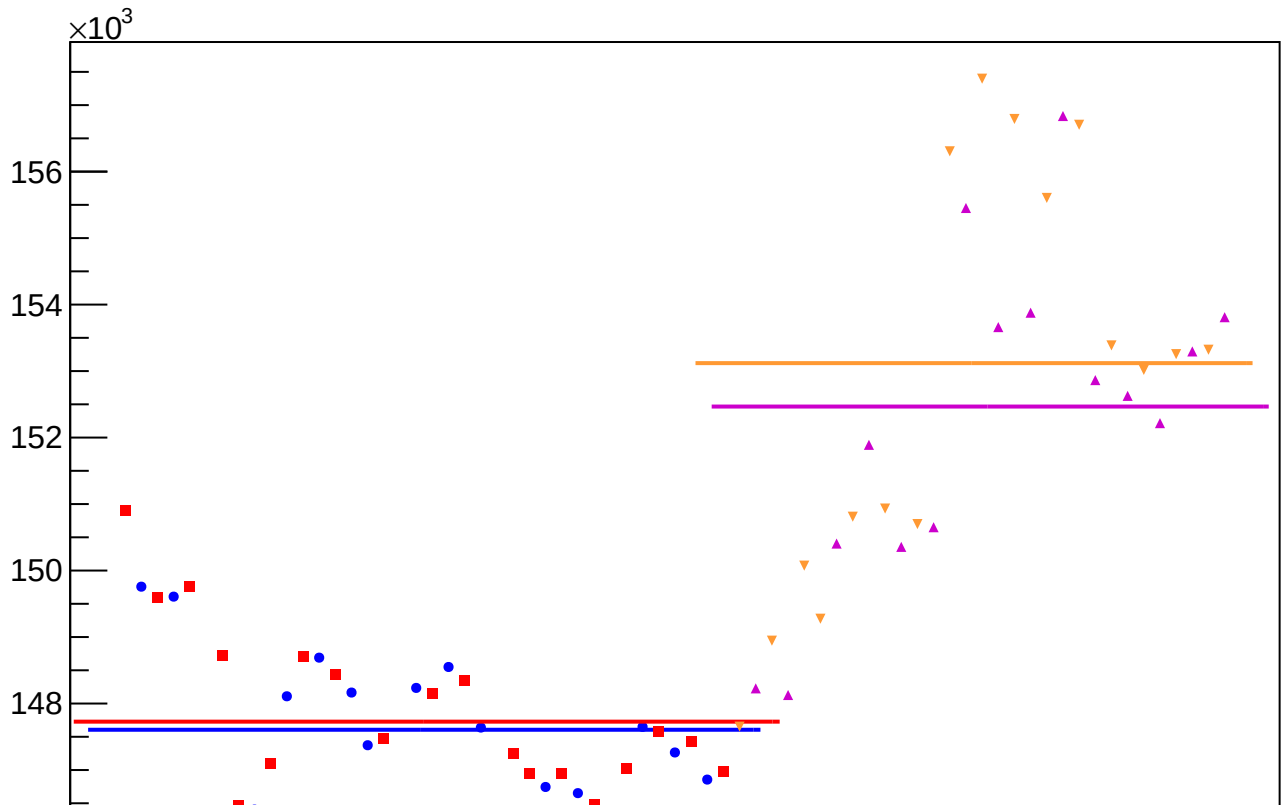
Left: 193.061+/-0.028 χ^2/NDF: 852067.8/30

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 157.468+/-0.027 χ^2/NDF:3524538.4/30

Out: 151.197+/-0.025 χ^2/NDF:3935614.1/34

All: 154.188+/-0.018 χ^2/NDF: 7489014.4/65



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153119.637+/-0.059 χ^2/NDF:2909100401.6/15

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152466.628+/-0.061 χ^2/NDF:1751243006.4/14

Left: 152799.812+/-0.042 χ^2/NDF: 4719714419.4/3

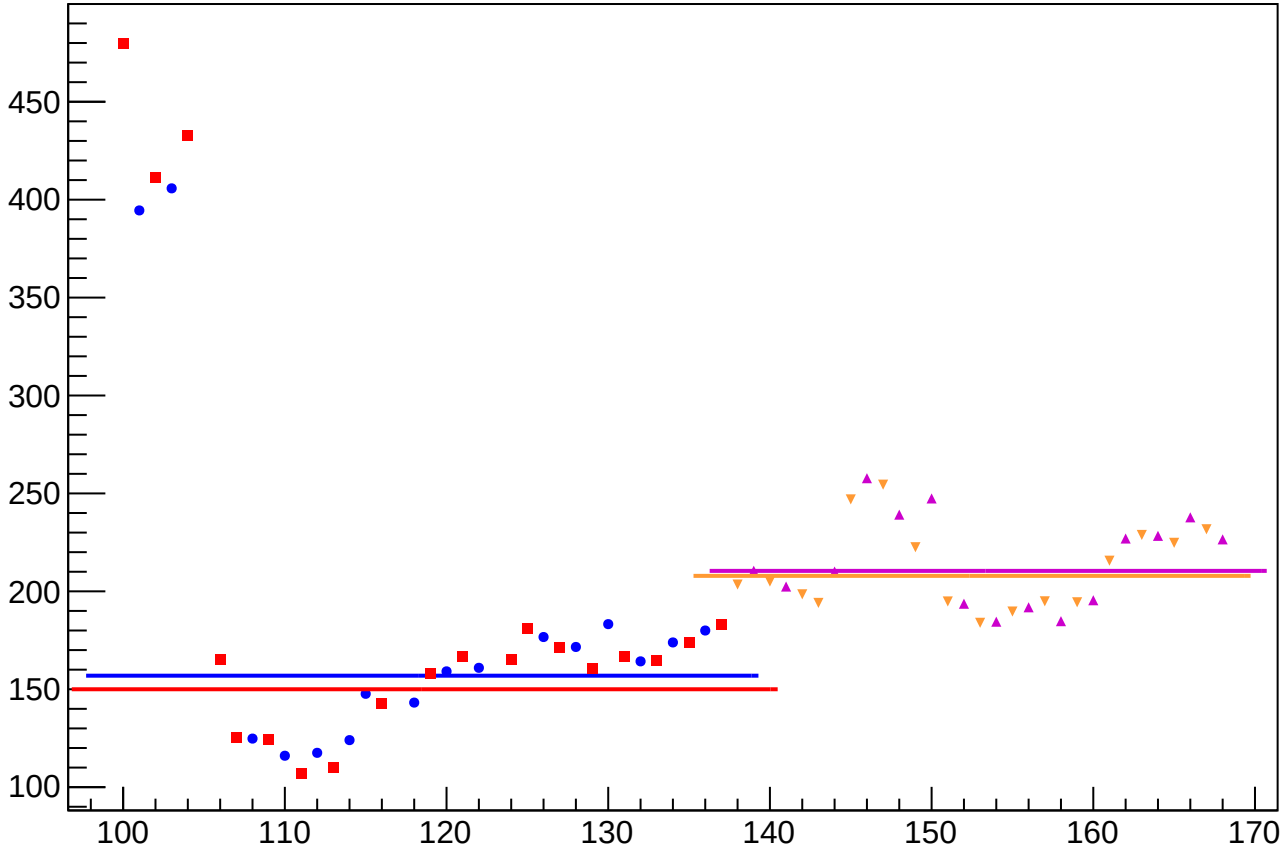
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150112.680+/-0.043 χ^2/NDF:5074203976.7/30

Out: 150406.393+/-0.042 χ^2/NDF:7262862513.1/3

All: 150265.286+/-0.030 χ^2/NDF: 12360781

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.903+/-0.042 χ^2/NDF:218273.2/15

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 210.446+/-0.043 χ^2/NDF:270281.9/14

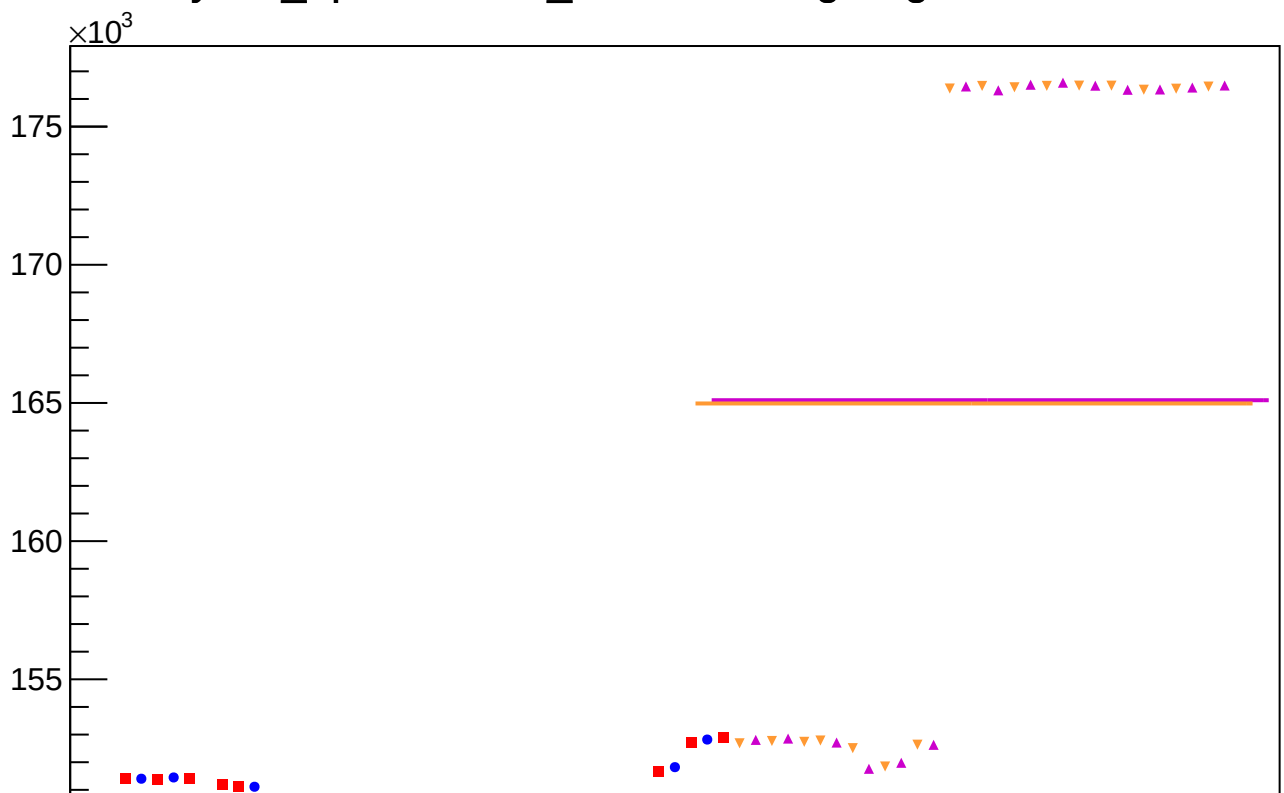
Left: 209.148+/-0.030 χ^2/NDF: 490355.7/30

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 184.529+/-0.031 χ^2/NDF:2293018.3/30

Out: 178.763+/-0.030 χ^2/NDF:2631594.2/34

All: 181.533+/-0.021 χ^2/NDF: 4942891.1/65



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164981.361+/-0.053 χ^2/NDF:50443129676.6/15

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 165099.181+/-0.055 χ^2/NDF:47638048536.4/14

Left: 165038.405+/-0.038 χ^2/NDF: 98083560160.6

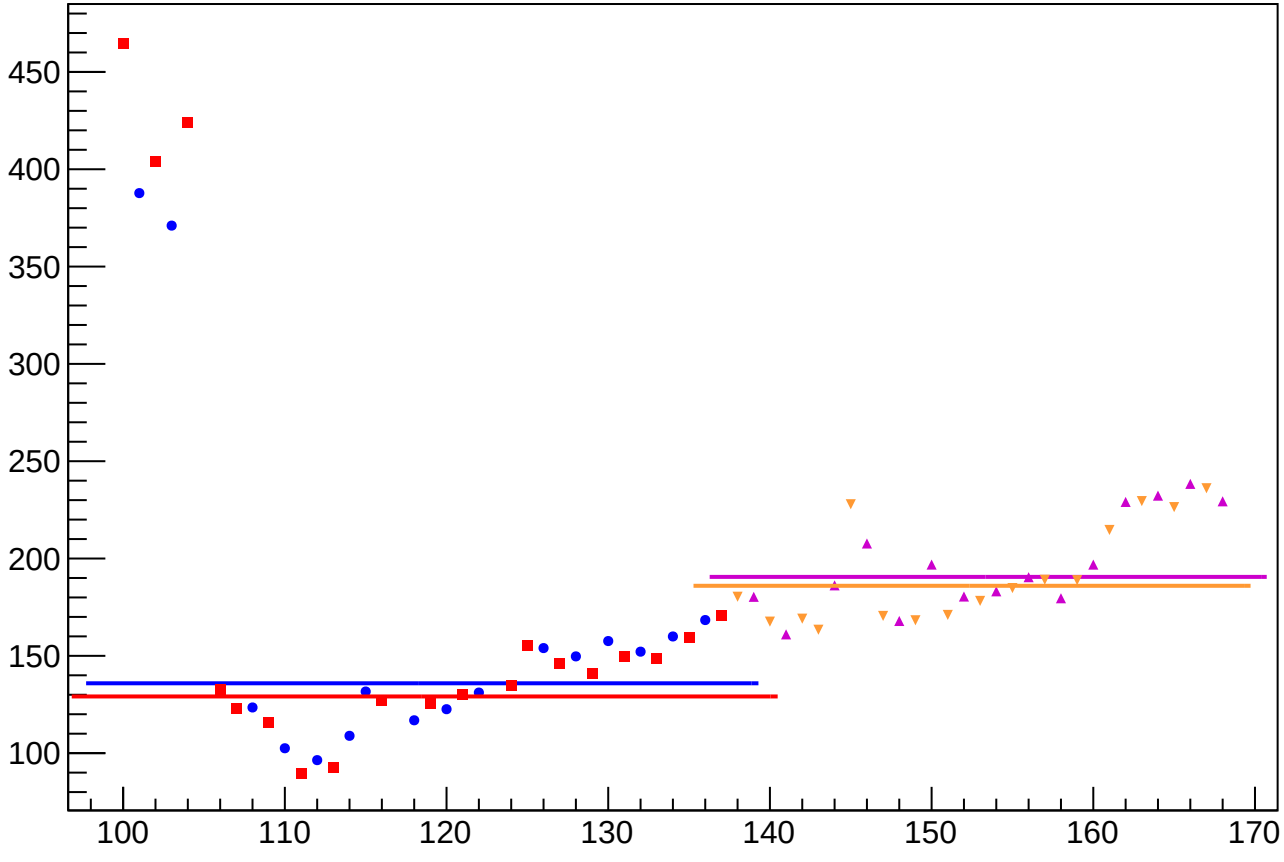
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157804.873+/-0.039 χ^2/NDF:83131820817.1/3

Out: 157475.588+/-0.037 χ^2/NDF:88998223233.0

All: 157631.900+/-0.027 χ^2/NDF: 17216808

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 185.989+/-0.038 χ^2/NDF:364065.4/15

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 190.566+/-0.039 χ^2/NDF:304593.5/14

Left: 188.205+/-0.027 χ^2/NDF: 675847.6/30

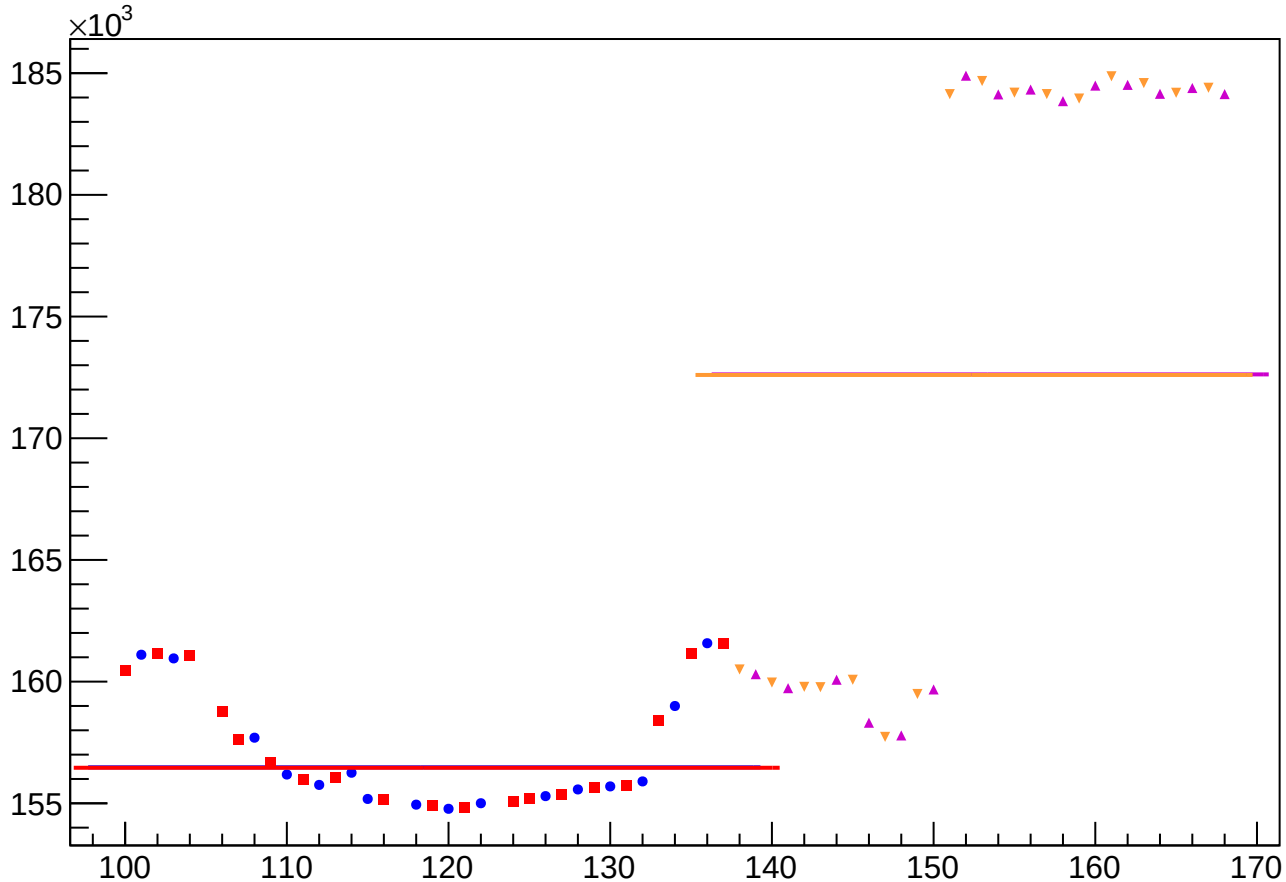
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 163.122+/-0.027 χ^2/NDF:2719082.9/30

Out: 156.393+/-0.026 χ^2/NDF:3171148.4/34

All: 159.587+/-0.019 χ^2/NDF: 5922004.2/65

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 172600.778+/-0.055 χ^2/NDF:50836962896.3/15

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 172623.473+/-0.057 χ^2/NDF:48709436443.8/14

Left: 172611.794+/-0.039 χ^2/NDF: 99546482150.6

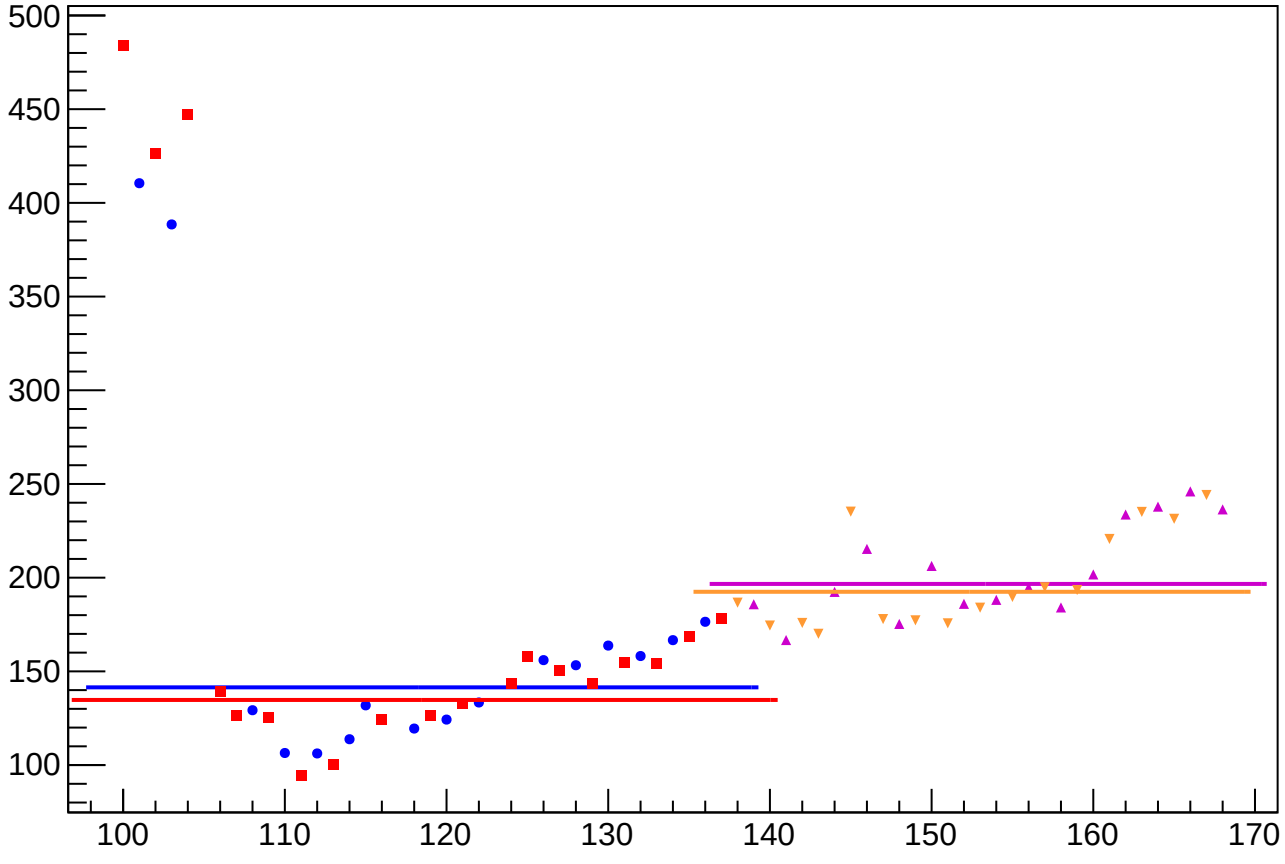
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 164585.355+/-0.040 χ^2/NDF:90549077861.3/3

Out: 164259.219+/-0.038 χ^2/NDF:96535013209.3

All: 164414.396+/-0.028 χ^2/NDF: 18711878

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 192.466+/-0.039 χ^2/NDF:338489.9/15

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 196.659+/-0.040 χ^2/NDF:293747.3/14

Left: 194.501+/-0.028 χ^2/NDF: 637889.4/30

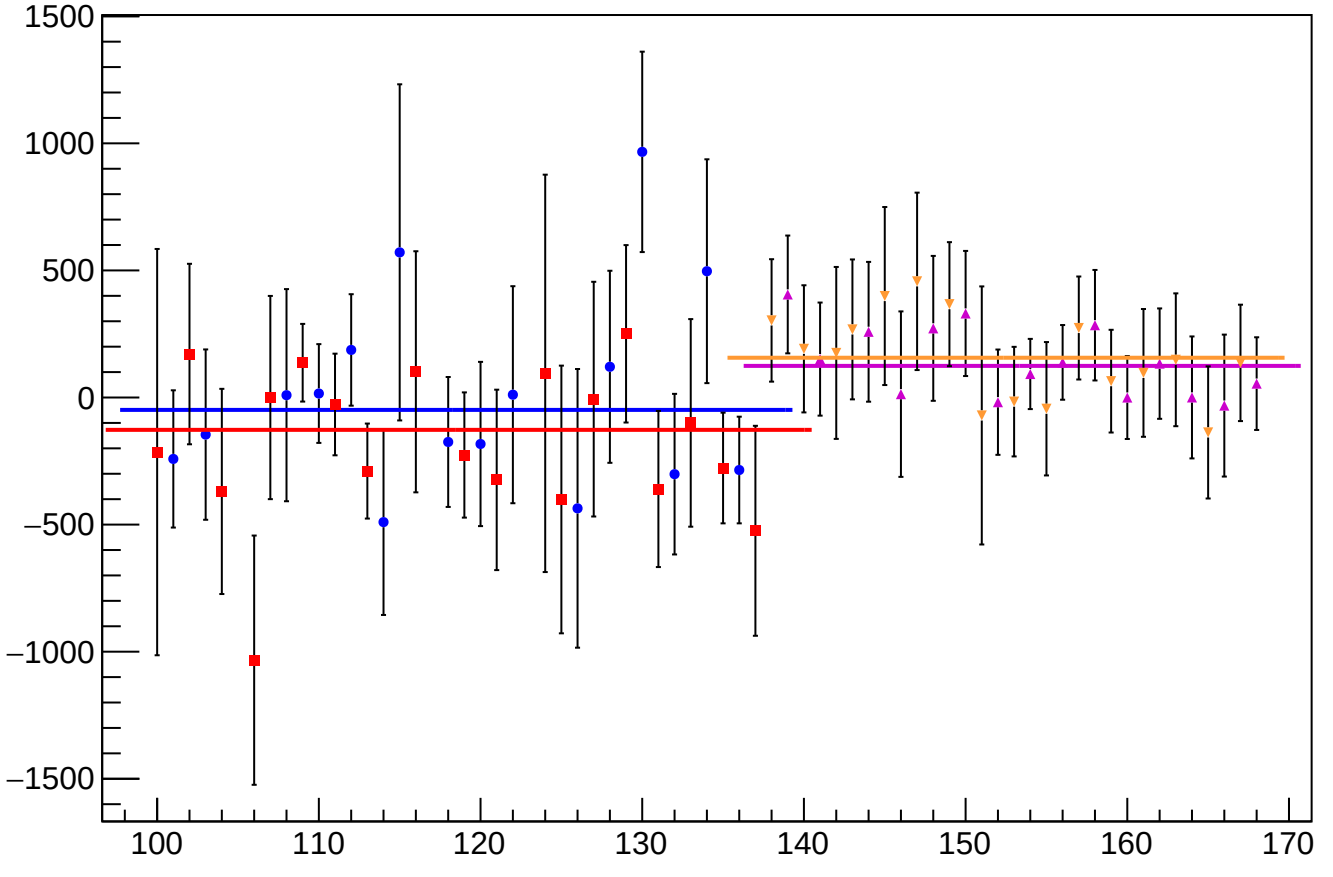
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 169.182+/-0.028 χ^2/NDF:2633307.1/30

Out: 162.635+/-0.027 χ^2/NDF:3058251.0/34

All: 165.750+/-0.020 χ^2/NDF: 5719520.8/65

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 156.470+/-64.355 χ^2/NDF:5.8/15

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 124.416+/-53.256 χ^2/NDF:5.2/14

Left: 137.445+/-41.029 χ^2/NDF: 11.2/30

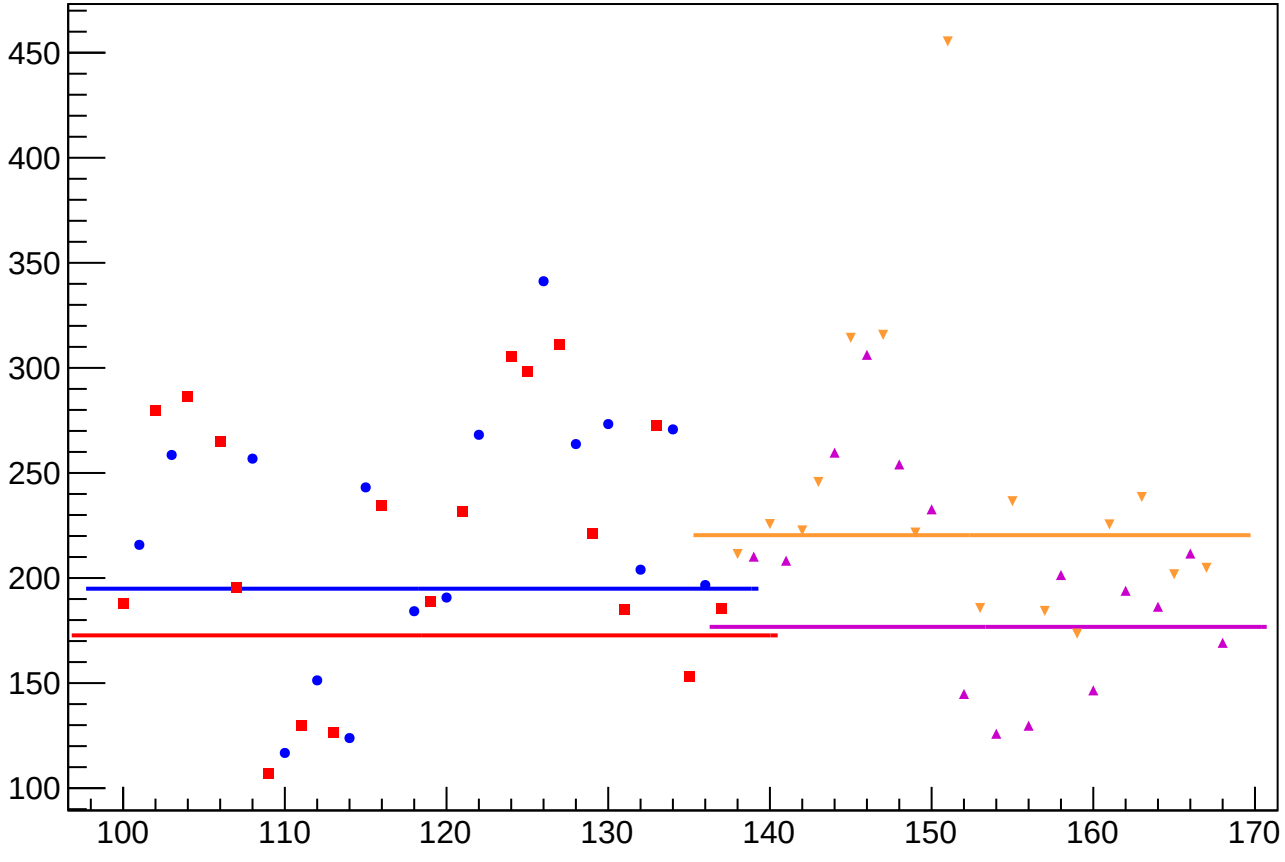
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 67.980+/-43.725 χ^2/NDF:24.1/30

Out: 23.468+/-46.905 χ^2/NDF:27.8/34

All: 47.284+/-31.983 χ^2/NDF: 52.4/65

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.758+/-0.038 χ^2/NDF:1498764.8/14

Left: 194.497+/-0.029 χ^2/NDF: 3047052.2/30

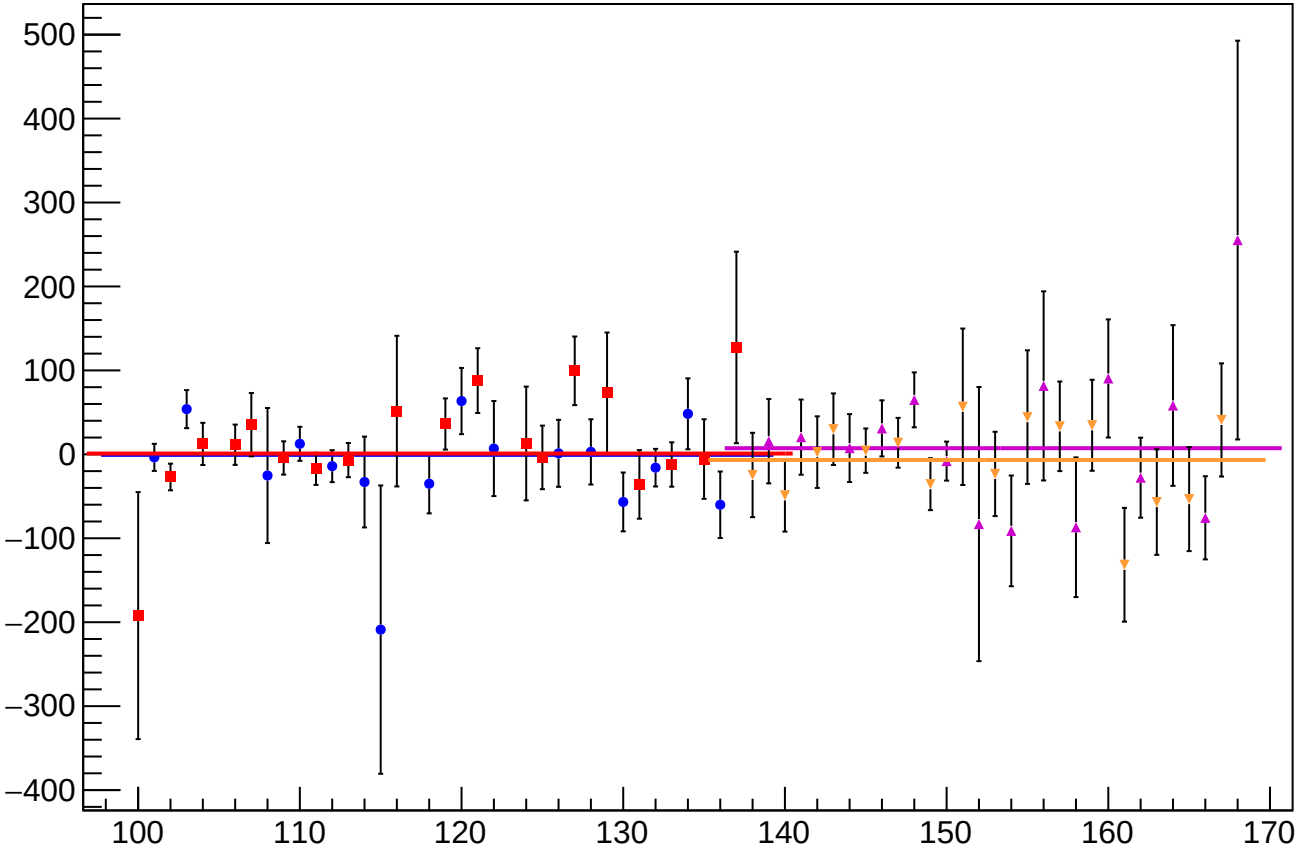
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.678+/-0.031 χ^2/NDF:2603497.9/30

Out: 198.041+/-0.033 χ^2/NDF:3148714.4/34

All: 189.821+/-0.023 χ^2/NDF: 5867018.1/65

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.691+/-11.209 χ^2/NDF:10.6/15

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 7.324+/-12.080 χ^2/NDF:14.5/14

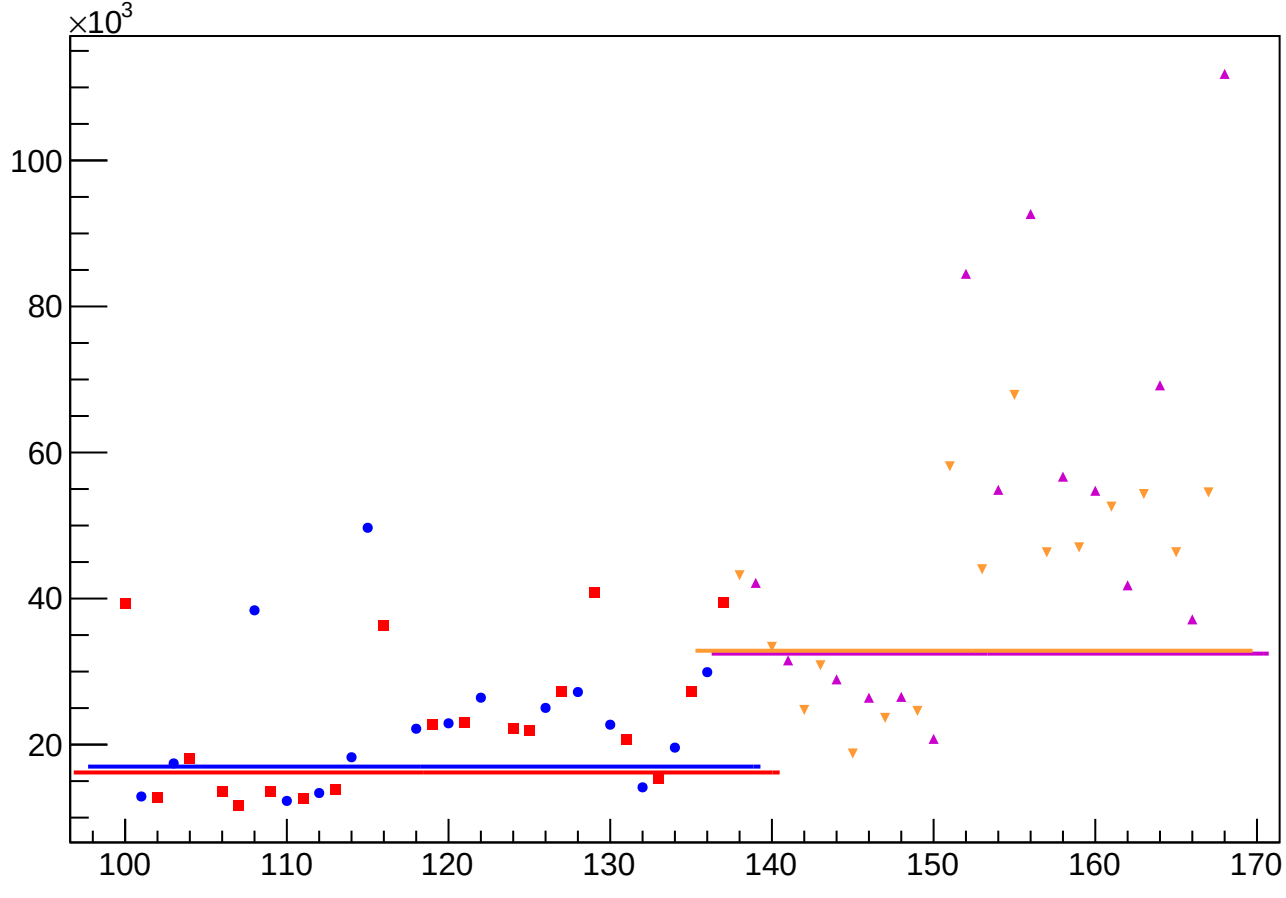
Left: -0.207+/-8.217 χ^2/NDF: 25.8/30

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.519+/-6.273 χ^2/NDF:33.7/30

Out: -1.100+/-5.793 χ^2/NDF:34.0/34

All: 0.106+/-4.256 χ^2/NDF: 67.8/65



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32853.124+/-7.926 χ^2/NDF:2664881.2/15

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 32459.559+/-8.542 χ^2/NDF:2713867.0/14

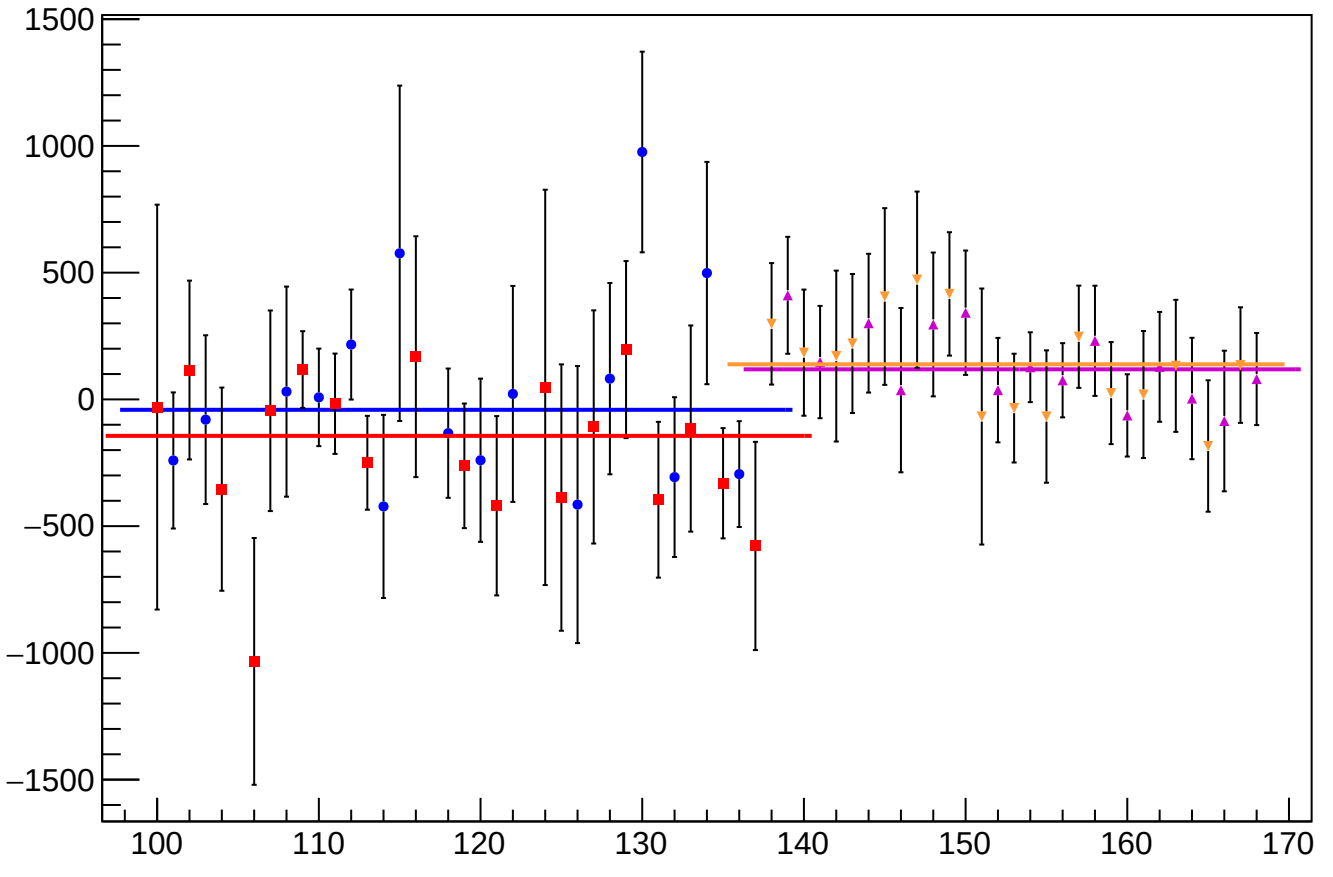
Left: 32671.037+/-5.810 χ^2/NDF: 5379888.8/30

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21158.693+/-4.436 χ^2/NDF:6304356.8/30

Out: 20634.743+/-4.096 χ^2/NDF:7158549.0/34

All: 20875.916+/-3.009 χ^2/NDF: 13470435.9



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.447+/-64.092 χ^2/NDF:7.2/15

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 118.643+/-53.072 χ^2/NDF:5.9/14

Left: 126.699+/-40.877 χ^2/NDF: 13.2/30

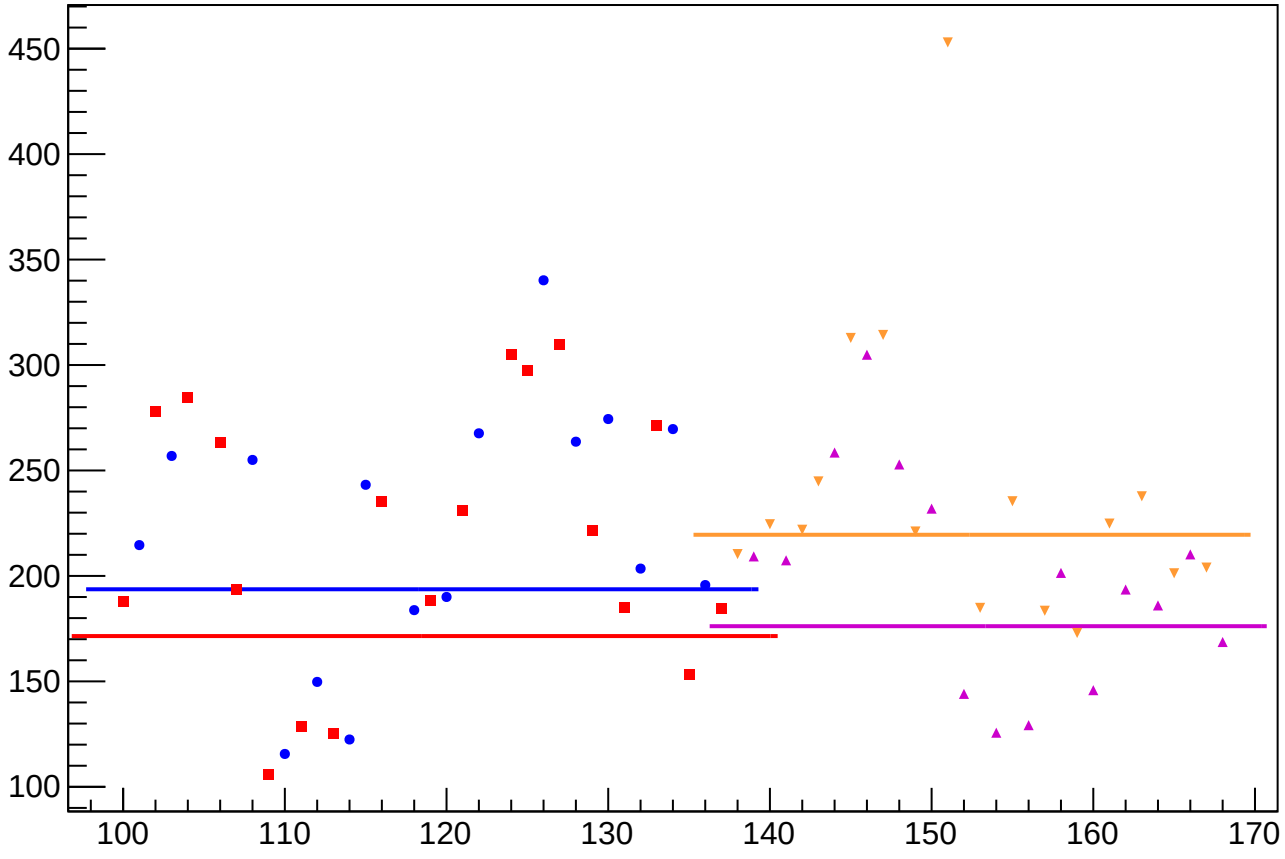
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 66.442+/-43.542 χ^2/NDF:24.4/30

Out: 5.823+/-46.666 χ^2/NDF:29.3/34

All: 38.229+/-31.836 χ^2/NDF: 54.6/65

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 219.516+/-0.045 χ^2/NDF:1000888.6/15

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 176.165+/-0.038 χ^2/NDF:1495824.1/14

Left: 193.799+/-0.029 χ^2/NDF: 3039506.7/30

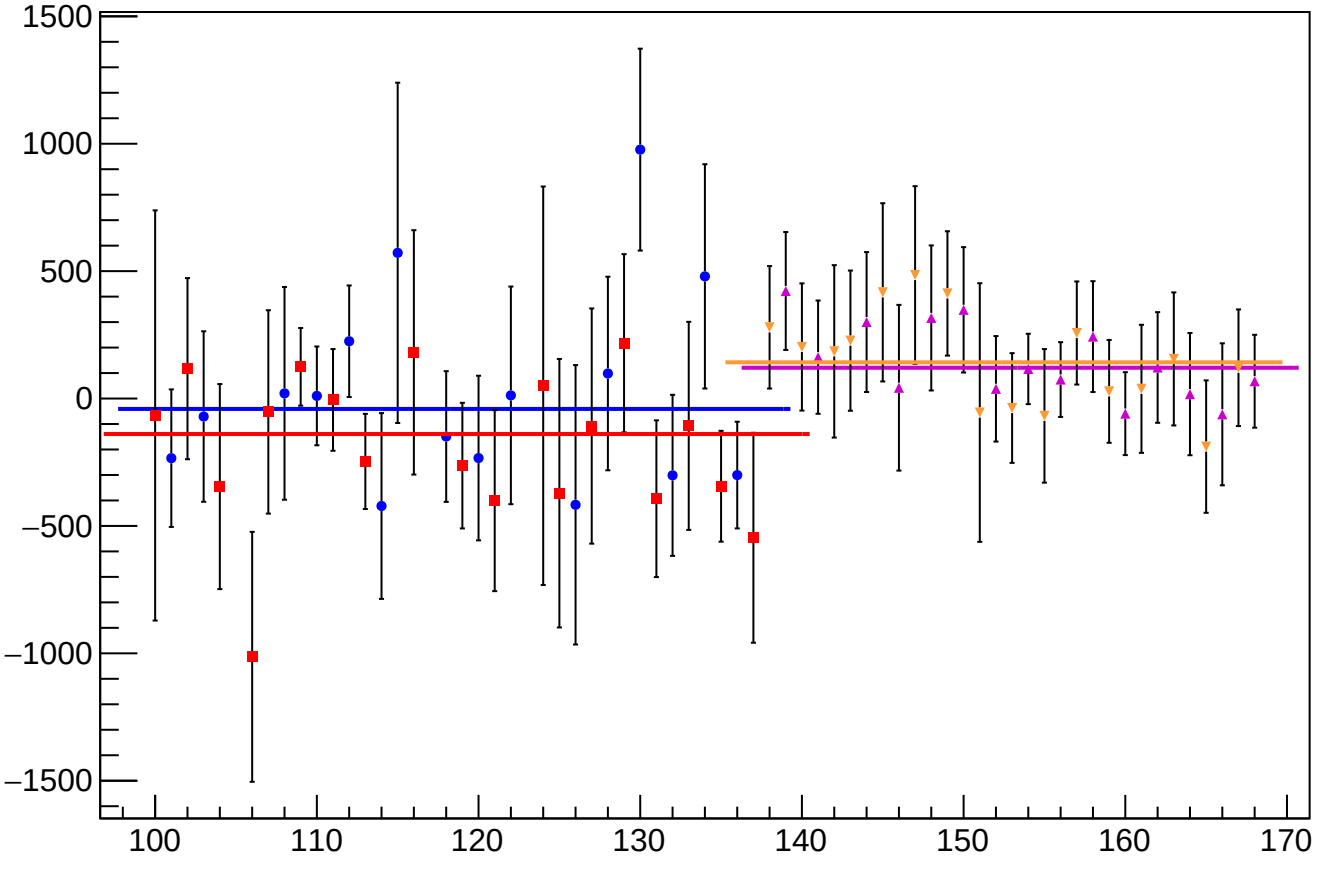
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.888+/-0.031 χ^2/NDF:2616720.8/30

Out: 196.948+/-0.033 χ^2/NDF:3181653.6/34

All: 188.897+/-0.023 χ^2/NDF: 5909729.9/65

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.168+/-64.297 χ^2/NDF:7.2/15

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 120.824+/-53.210 χ^2/NDF:6.0/14

Left: 129.500+/-40.993 χ^2/NDF: 13.3/30

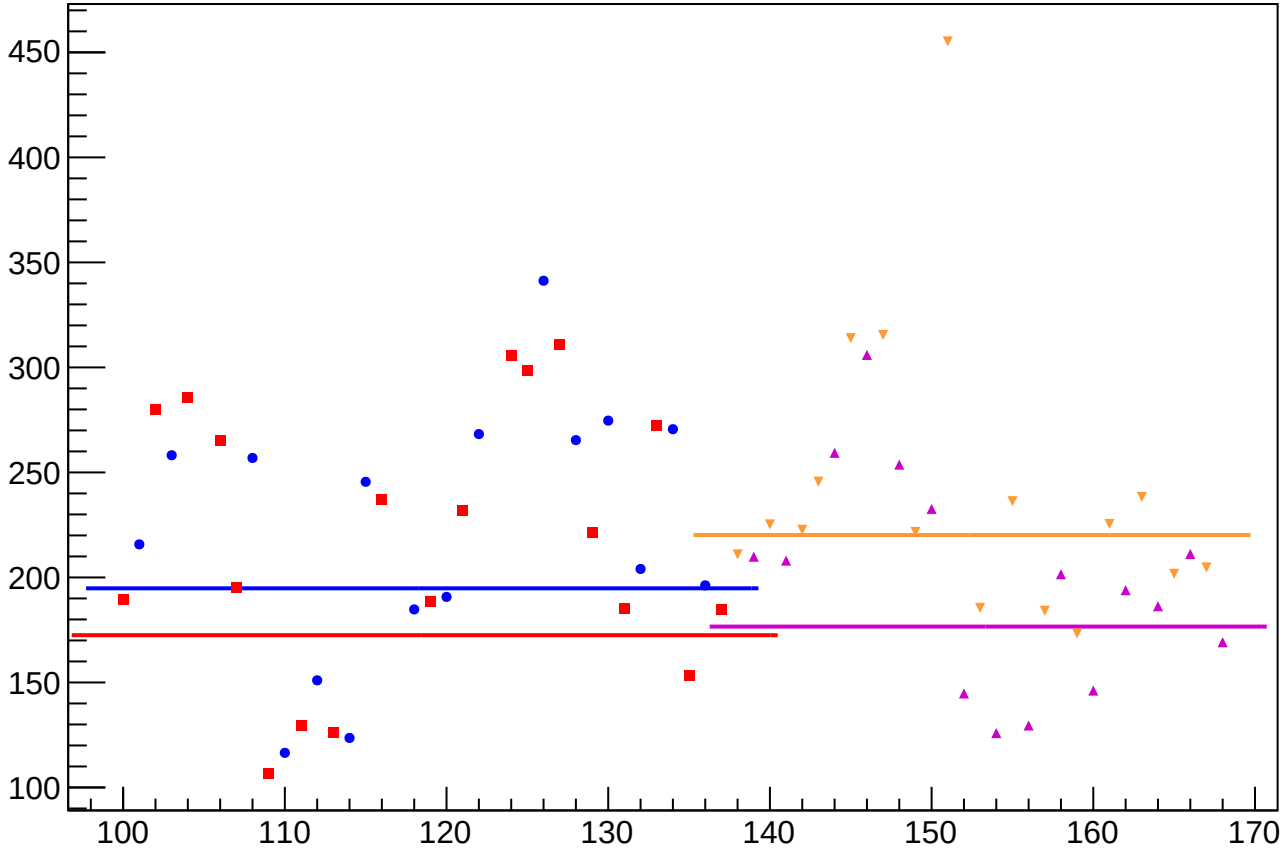
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 68.200+/-43.697 χ^2/NDF:24.4/30

Out: 10.255+/-46.867 χ^2/NDF:29.1/34

All: 41.254+/-31.960 χ^2/NDF: 54.4/65

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 220.198+/-0.045 χ^2/NDF:1003129.8/15

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 176.603+/-0.038 χ^2/NDF:1499008.6/14

Left: 194.324+/-0.029 χ^2/NDF: 3047841.3/30

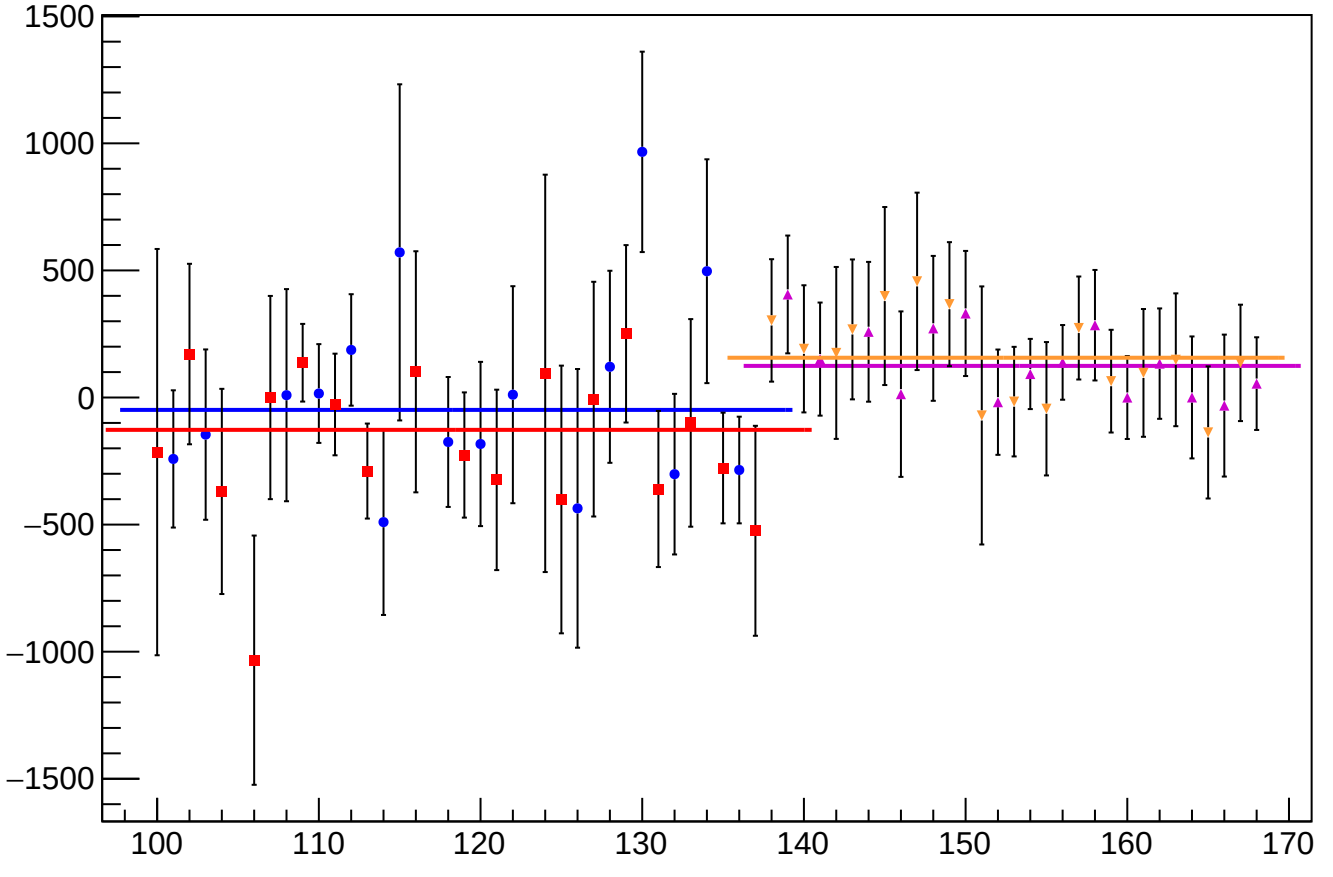
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.535+/-0.031 χ^2/NDF:2614425.4/30

Out: 197.846+/-0.033 χ^2/NDF:3160899.3/34

All: 189.655+/-0.023 χ^2/NDF: 5889526.7/65

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 156.470+/-64.355 χ^2/NDF:5.8/15

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 124.416+/-53.256 χ^2/NDF:5.2/14

Left: 137.445+/-41.029 χ^2/NDF: 11.2/30

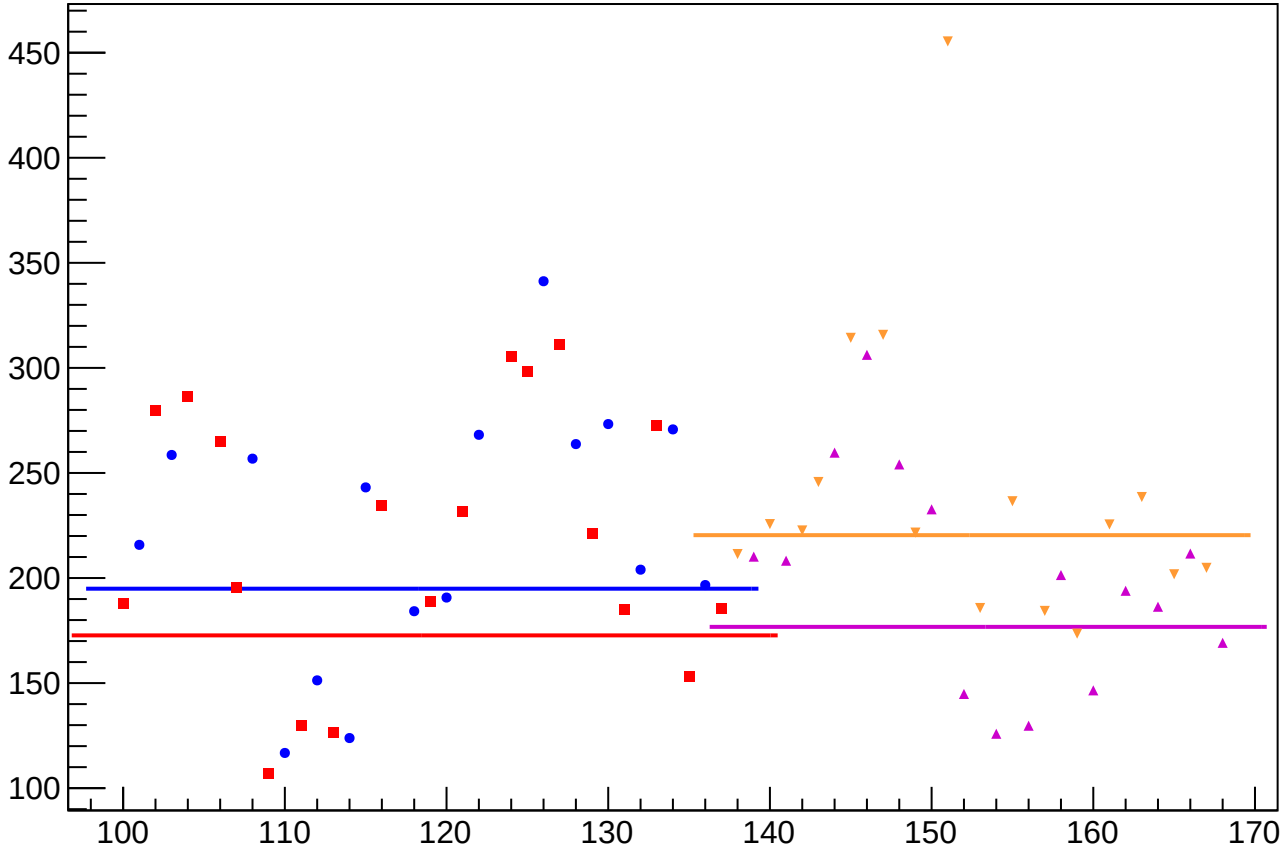
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 67.980+/-43.725 χ^2/NDF:24.1/30

Out: 23.468+/-46.905 χ^2/NDF:27.8/34

All: 47.284+/-31.983 χ^2/NDF: 52.4/65

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 220.401+/-0.046 χ^2/NDF:1002347.4/15

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.758+/-0.038 χ^2/NDF:1498764.8/14

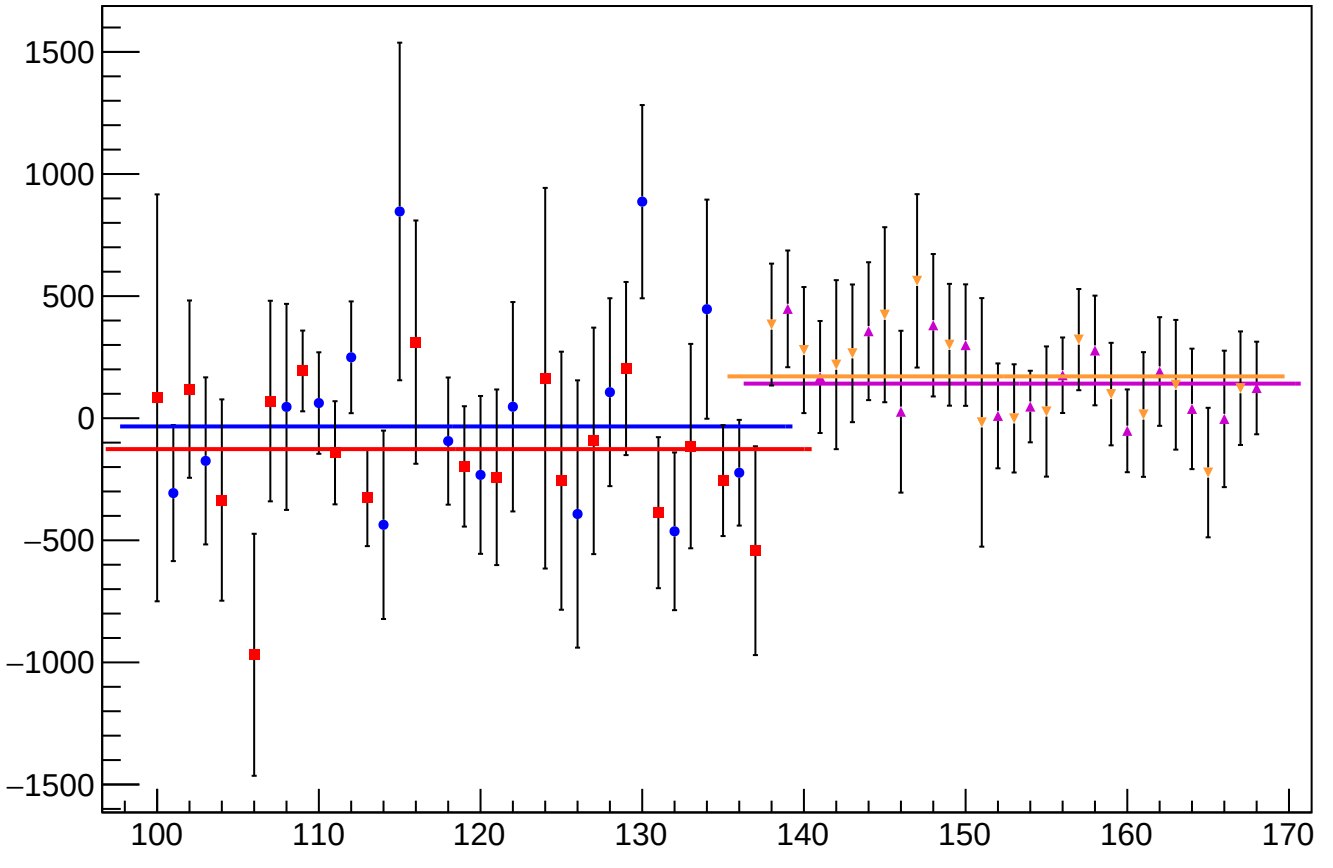
Left: 194.497+/-0.029 χ^2/NDF: 3047052.2/30

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.678+/-0.031 χ^2/NDF:2603497.9/30

Out: 198.041+/-0.033 χ^2/NDF:3148714.4/34

All: 189.821+/-0.023 χ^2/NDF: 5867018.1/65



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 171.253+/-65.897 χ^2/NDF:7.3/15

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 141.651+/-55.215 χ^2/NDF:6.4/14

Left: 153.861+/-42.322 χ^2/NDF: 13.9/30

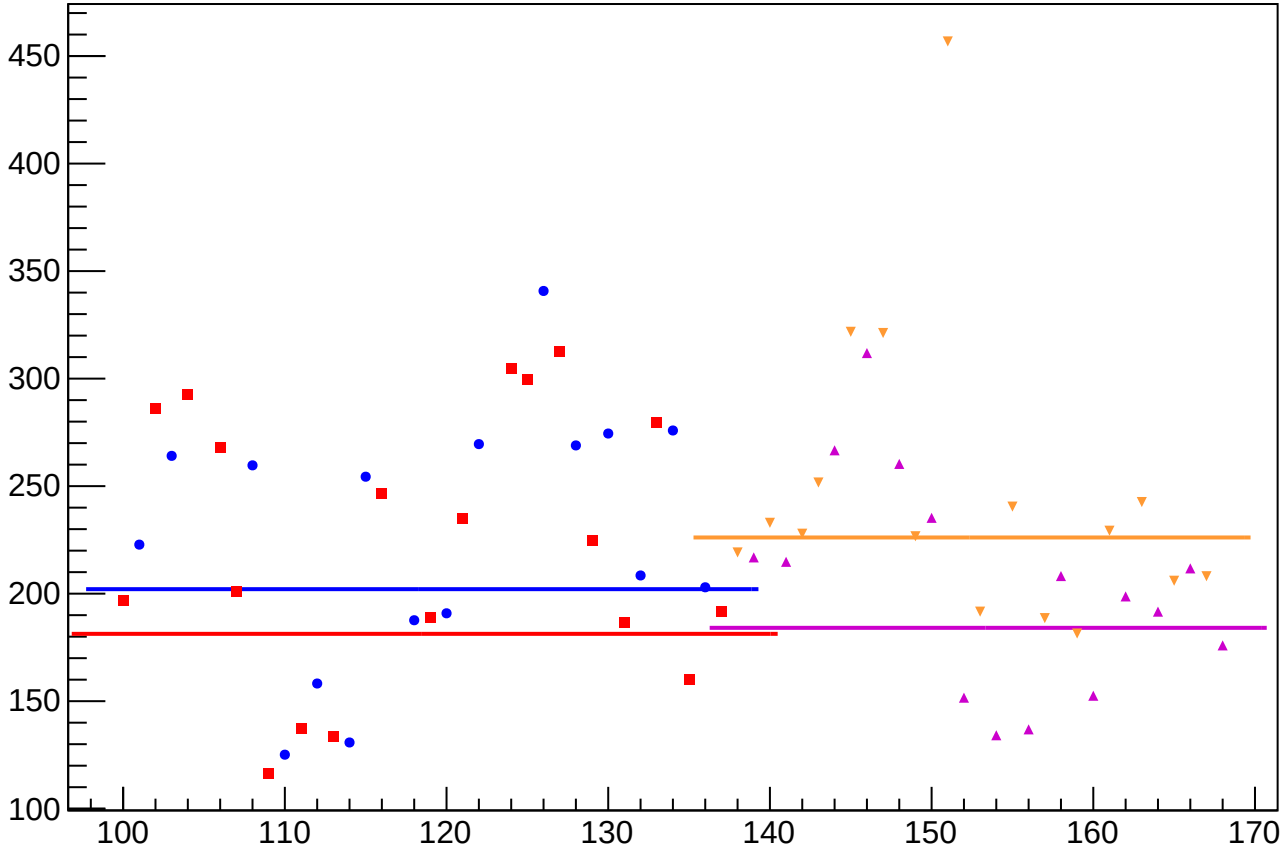
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 84.089+/-45.256 χ^2/NDF:25.5/30

Out: 34.074+/-48.397 χ^2/NDF:29.4/34

All: 60.757+/-33.055 χ^2/NDF: 55.5/65

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 226.128+/-0.047 χ^2/NDF:957984.5/15

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 184.109+/-0.039 χ^2/NDF:1353587.5/14

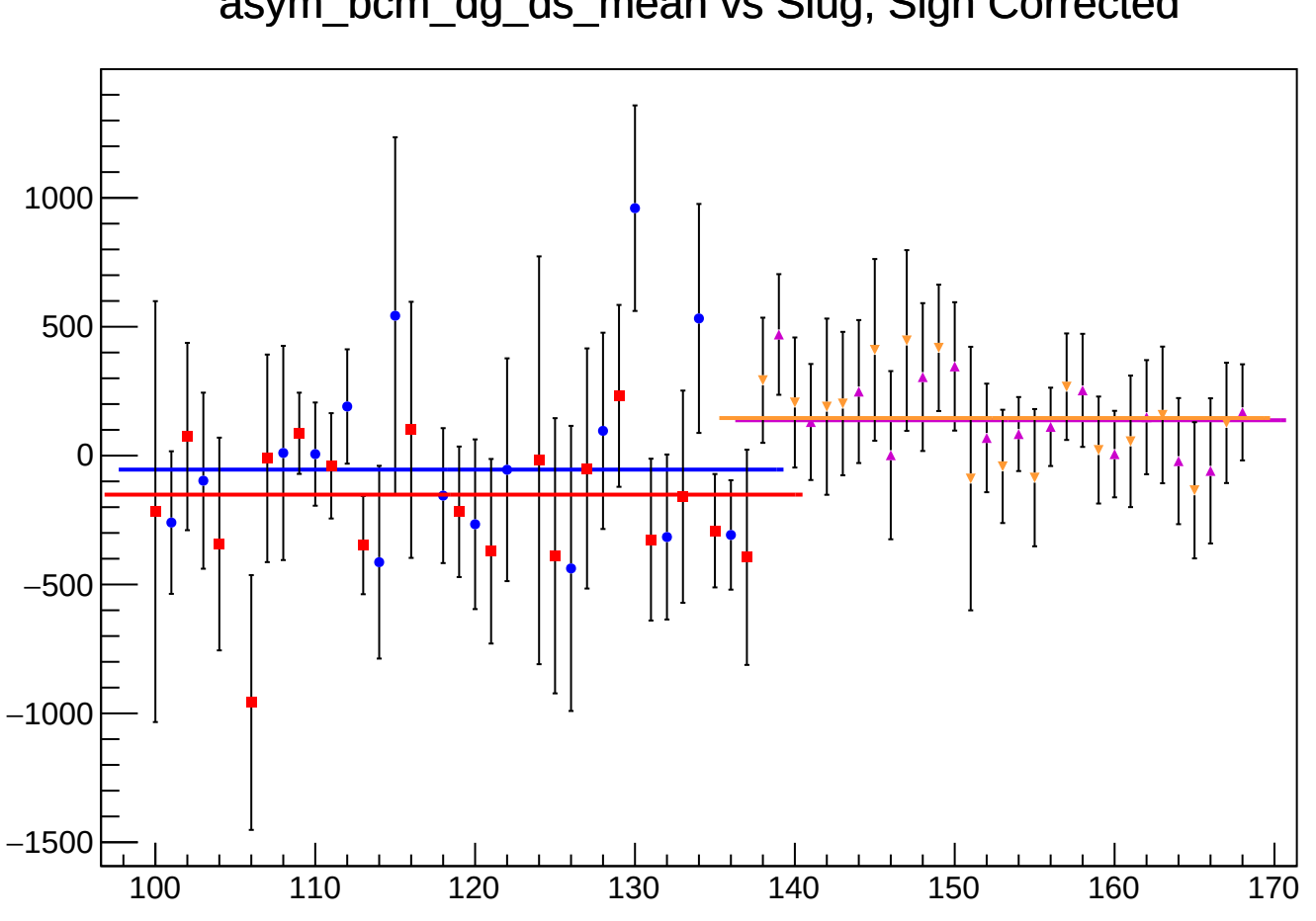
Left: 201.441+/-0.030 χ^2/NDF: 2789319.9/30

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.011+/-0.032 χ^2/NDF:2333456.8/30

Out: 205.485+/-0.034 χ^2/NDF:2825059.8/34

All: 197.230+/-0.023 χ^2/NDF: 5267597.6/65



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 145.748+/-65.300 χ^2/NDF:6.7/15

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 137.277+/-54.413 χ^2/NDF:5.5/14

Left: 140.748+/-41.803 χ^2/NDF: 12.2/30

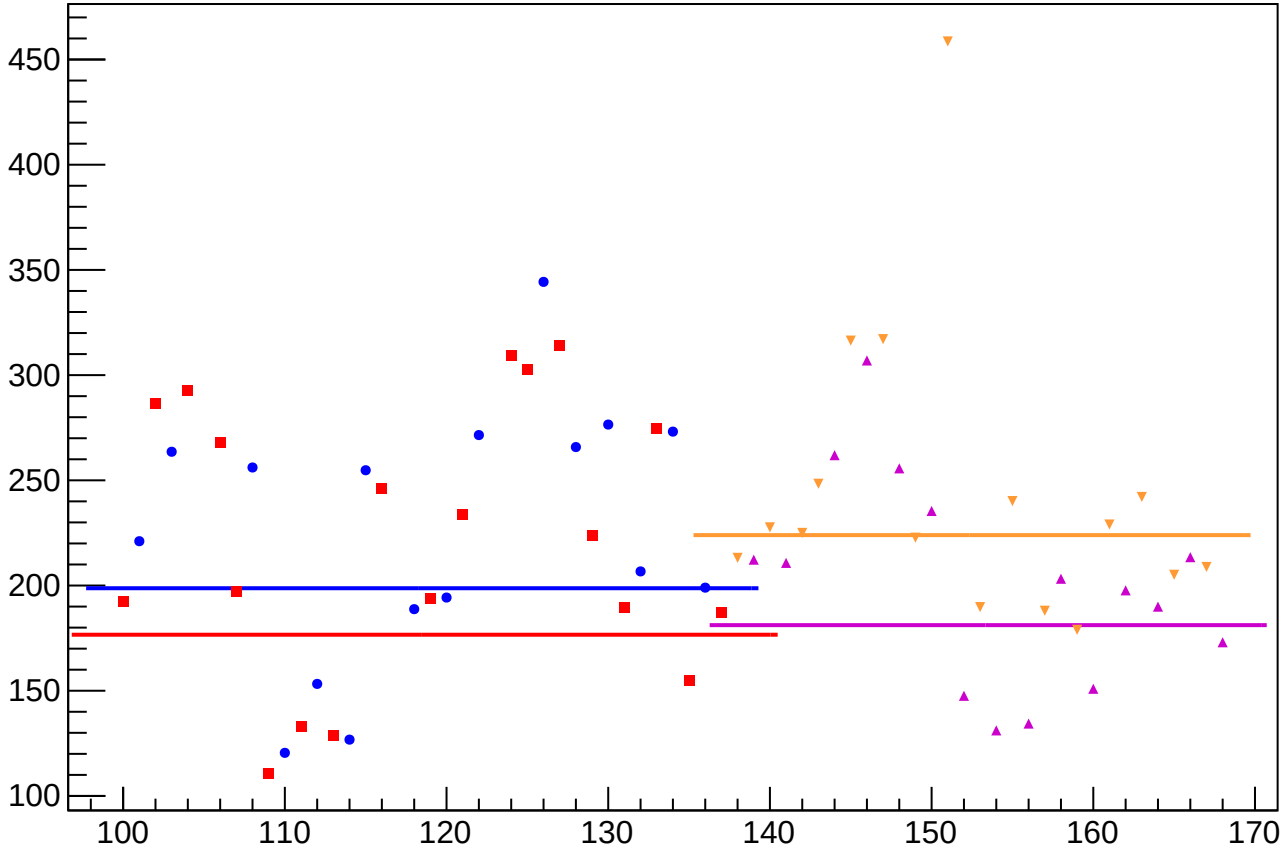
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 74.521+/-44.617 χ^2/NDF:24.6/30

Out: 7.295+/-47.718 χ^2/NDF:26.6/34

All: 43.163+/-32.590 χ^2/NDF: 52.3/65

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 223.960+/-0.046 χ^2/NDF:958888.3/15

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 181.178+/-0.038 χ^2/NDF:1378720.3/14

Left: 198.710+/-0.030 χ^2/NDF: 2844256.2/30

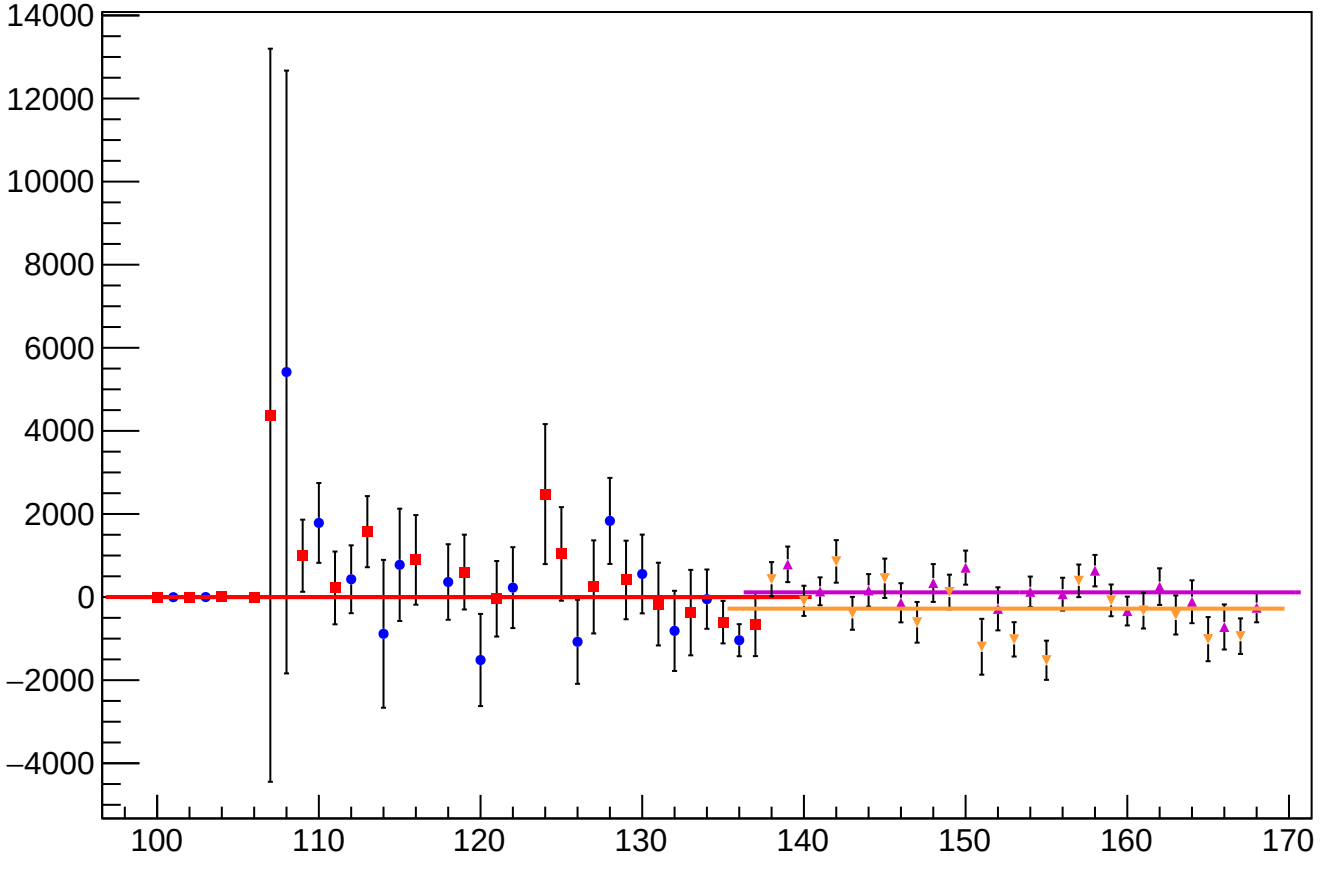
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 186.925+/-0.032 χ^2/NDF:2440881.5/30

Out: 201.900+/-0.034 χ^2/NDF:3044395.5/34

All: 193.910+/-0.023 χ^2/NDF: 5590361.2/65

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -278.155+/-109.855 χ^2/NDF:31.6/15

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 113.889+/-105.786 χ^2/NDF:13.1/14

Left: -74.738+/-76.200 χ^2/NDF: 51.3/30

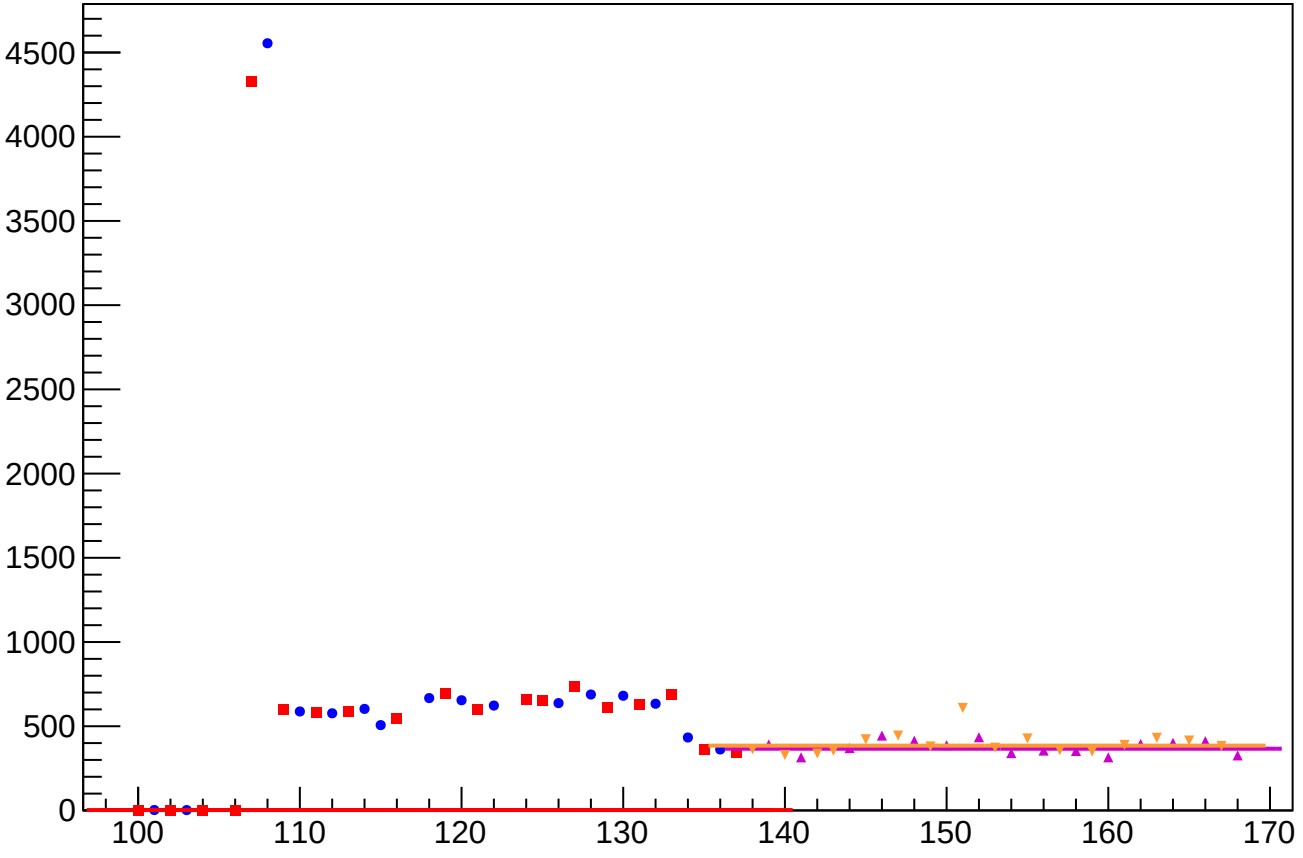
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.190+/-2.170 χ^2/NDF:34.2/30

Out: 1.283+/-2.022 χ^2/NDF:54.9/34

All: 0.134+/-1.479 χ^2/NDF: 89.8/65

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.853+/-0.078 χ^2/NDF:415172.6/15

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 366.552+/-0.075 χ^2/NDF:284134.0/14

Left: 375.358+/-0.054 χ^2/NDF: 728105.9/30

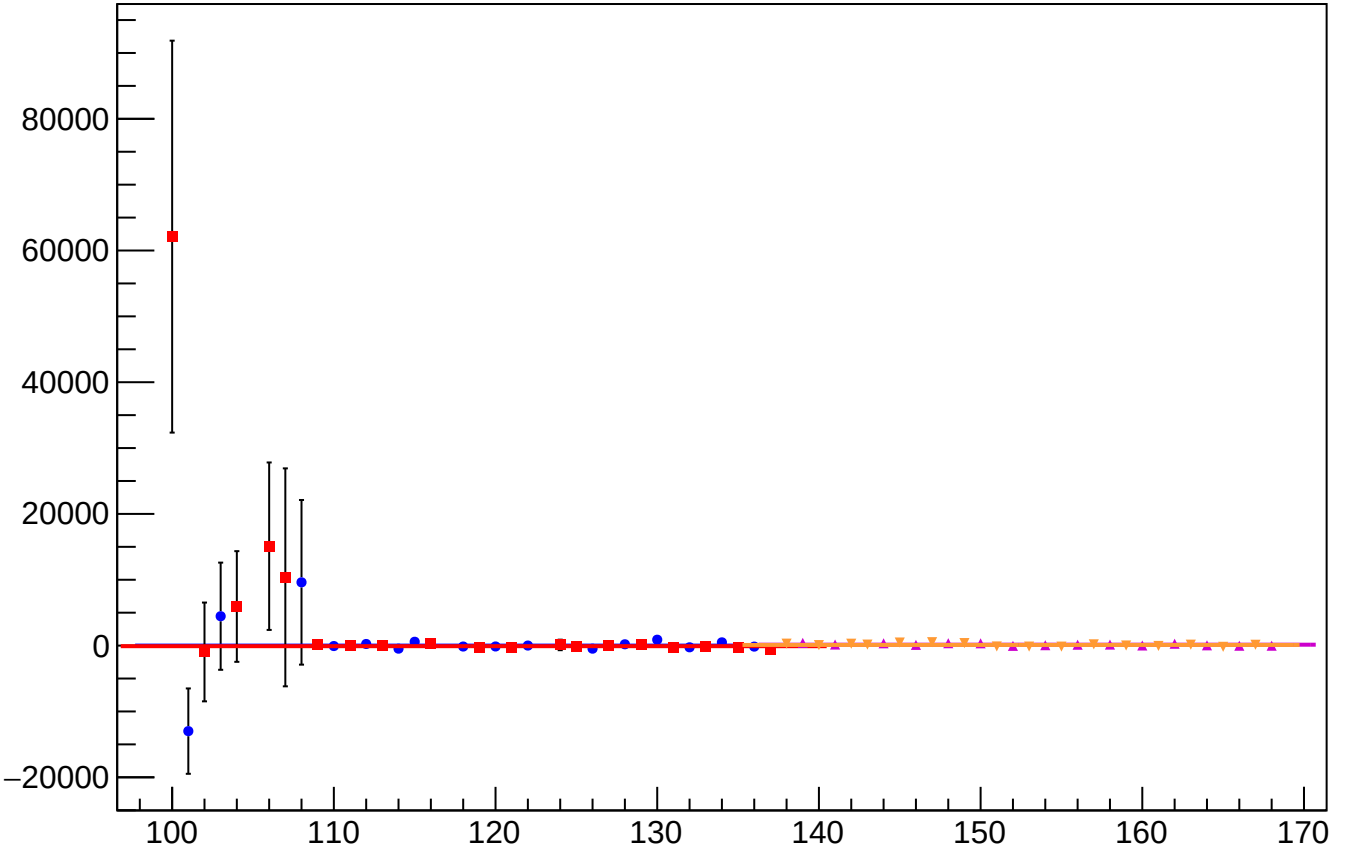
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.630+/-0.002 χ^2/NDF:35589736.2/30

Out: 2.592+/-0.001 χ^2/NDF:36185118.6/34

All: 2.610+/-0.001 χ^2/NDF: 71775186.9/65

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 101.660+/-67.974 χ^2/NDF:8.3/15

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 137.333+/-57.916 χ^2/NDF:5.9/14

Left: 122.329+/-44.084 χ^2/NDF: 14.3/30

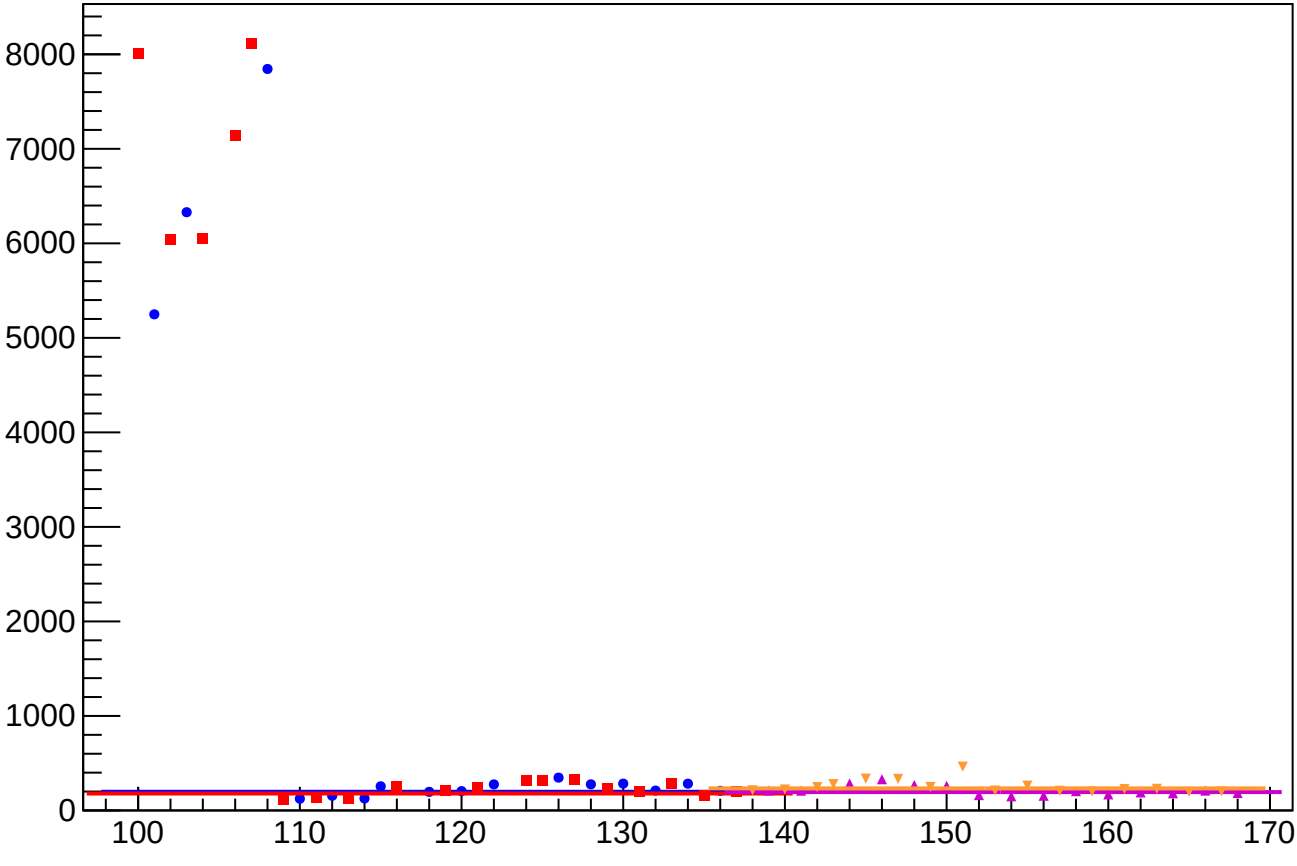
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 95.884+/-48.349 χ^2/NDF:24.4/30

Out: 23.935+/-52.228 χ^2/NDF:26.3/34

All: 62.680+/-35.480 χ^2/NDF: 51.8/65

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.544+/-0.048 χ^2/NDF:956922.6/15

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 194.450+/-0.041 χ^2/NDF:1081848.4/14

Left: 210.894+/-0.031 χ^2/NDF: 2422054.6/30

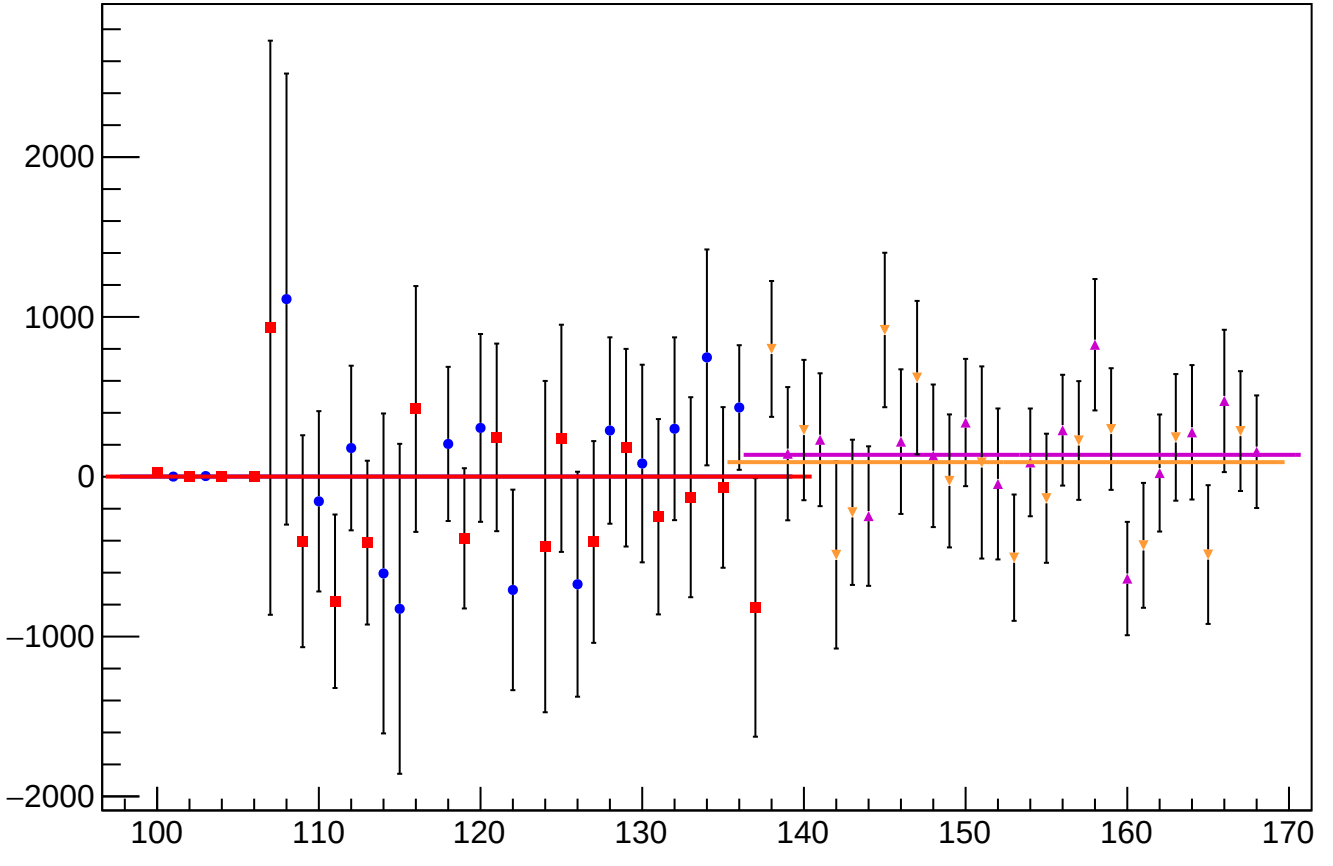
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.411+/-0.034 χ^2/NDF:5040856.1/30

Out: 211.304+/-0.037 χ^2/NDF:5898021.9/34

All: 202.745+/-0.025 χ^2/NDF: 11038605.8/65

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.351+/-106.806 χ^2/NDF:15.7/15

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 137.208+/-102.766 χ^2/NDF:9.8/14

Left: 115.163+/-74.053 χ^2/NDF: 25.6/30

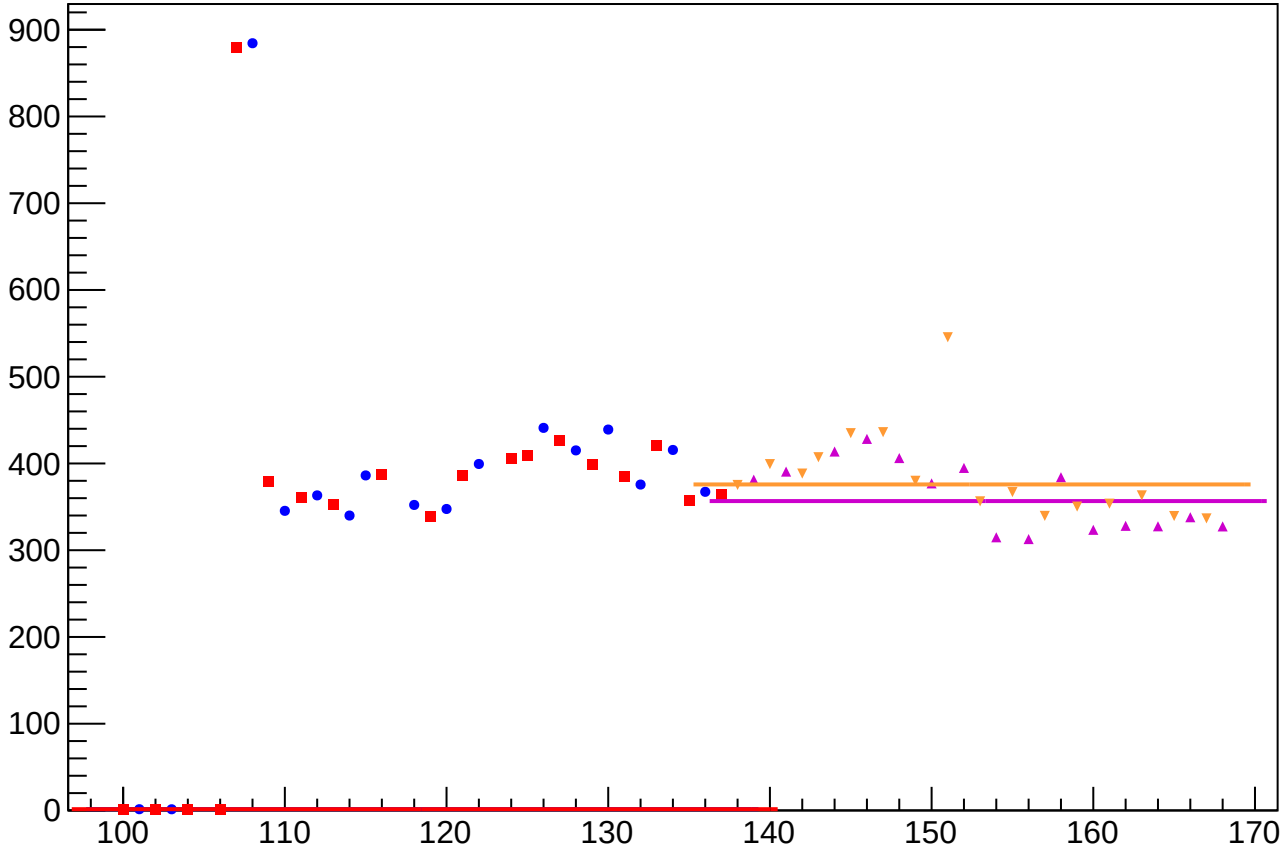
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.491+/-1.660 χ^2/NDF:19.5/30

Out: 1.112+/-1.528 χ^2/NDF:25.5/34

All: 1.286+/-1.124 χ^2/NDF: 45.0/65

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 375.826+/-0.076 χ^2/NDF:315227.0/15

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 356.646+/-0.073 χ^2/NDF:275820.9/14

Left: 365.867+/-0.052 χ^2/NDF: 624538.5/30

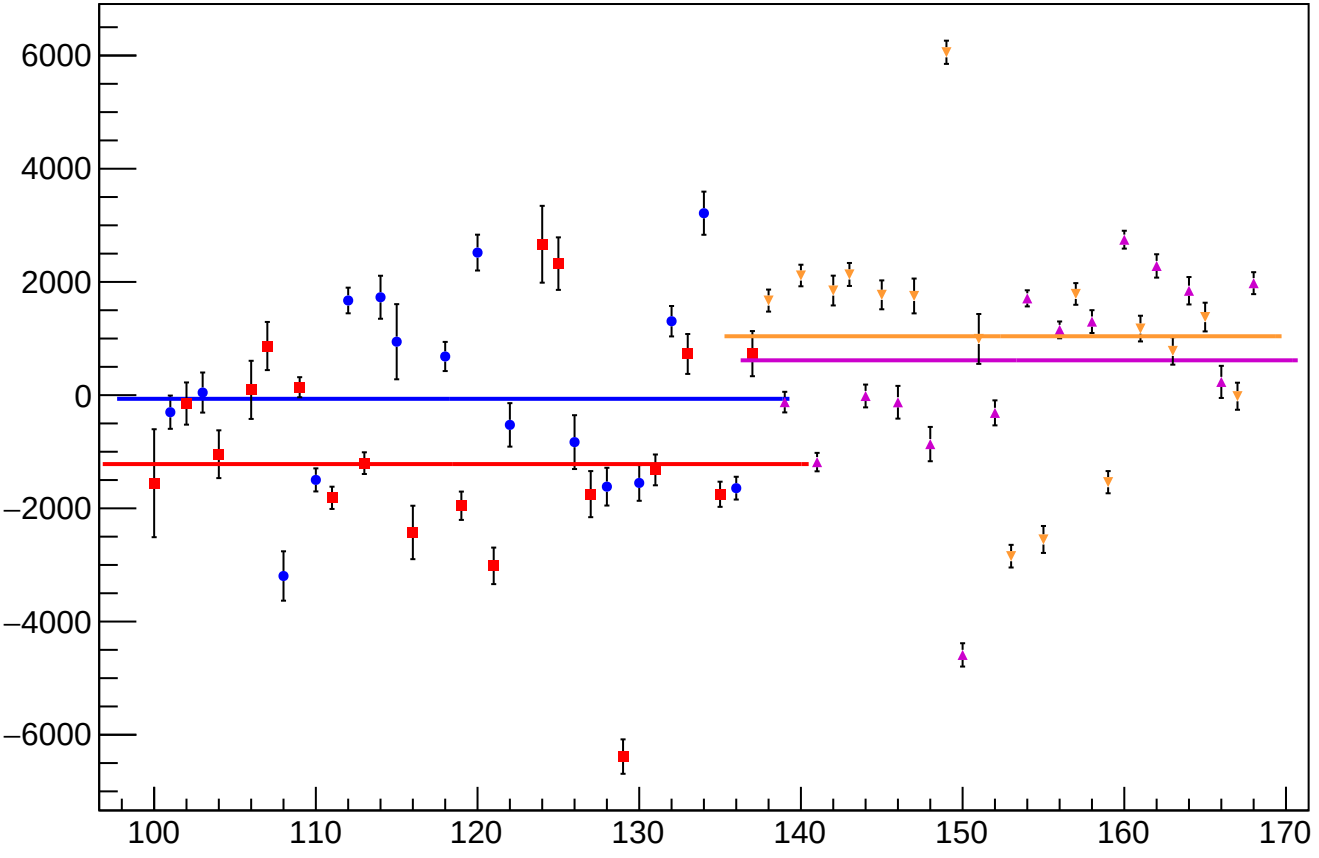
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.563+/-0.001 χ^2/NDF:35894984.8/30

Out: 1.544+/-0.001 χ^2/NDF:36151420.4/34

All: 1.552+/-0.001 χ^2/NDF: 72046548.9/65

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1040.282+/-56.544 χ^2/NDF:1507.2/15

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 615.228+/-50.109 χ^2/NDF:1242.8/14

Left: 802.204+/-37.502 χ^2/NDF: 2781.7/30

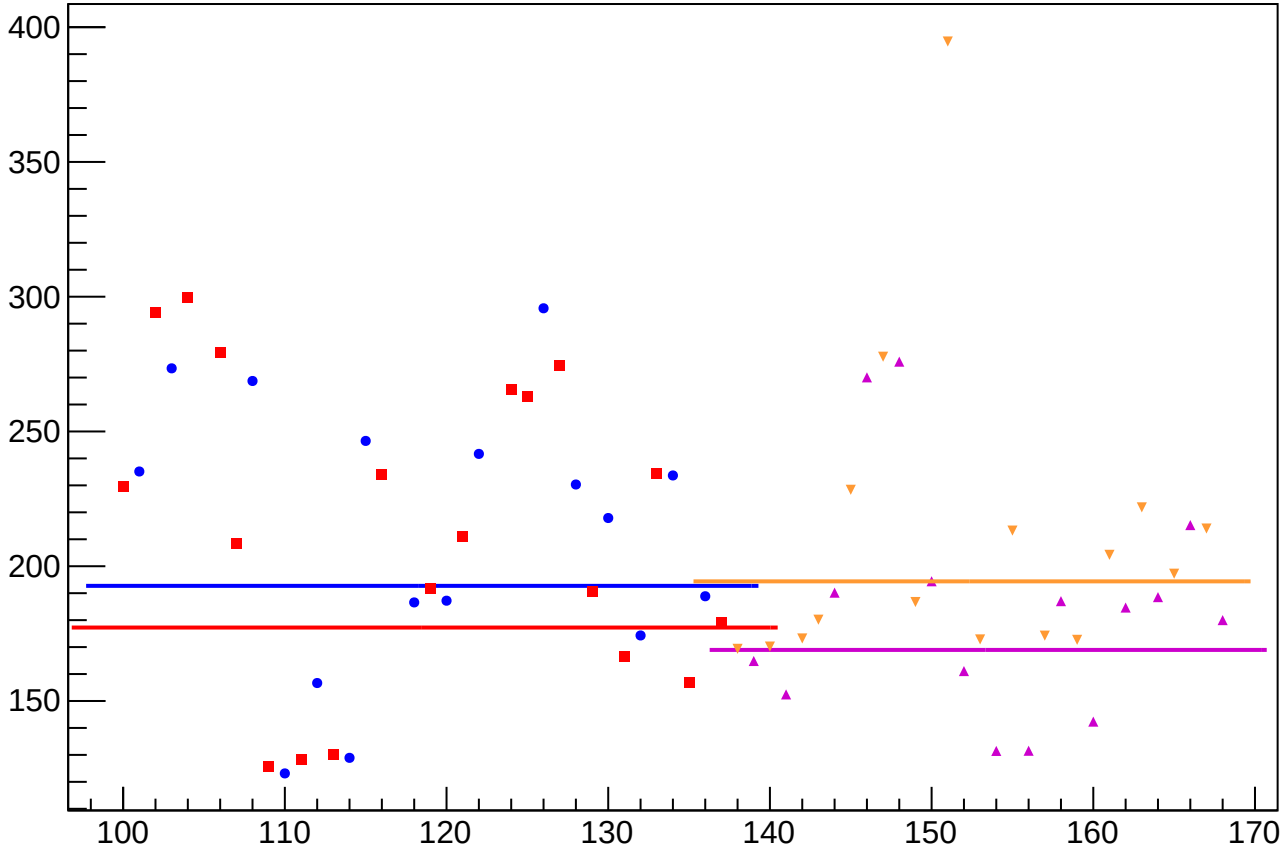
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 404.890+/-41.647 χ^2/NDF:1769.3/30

Out: 133.435+/-43.740 χ^2/NDF:2742.3/34

All: 275.812+/-30.162 χ^2/NDF: 4531.8/65

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.385+/-0.040 χ^2/NDF:811992.8/15

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 168.949+/-0.035 χ^2/NDF:992996.5/14

Left: 180.138+/-0.027 χ^2/NDF: 2031693.1/30

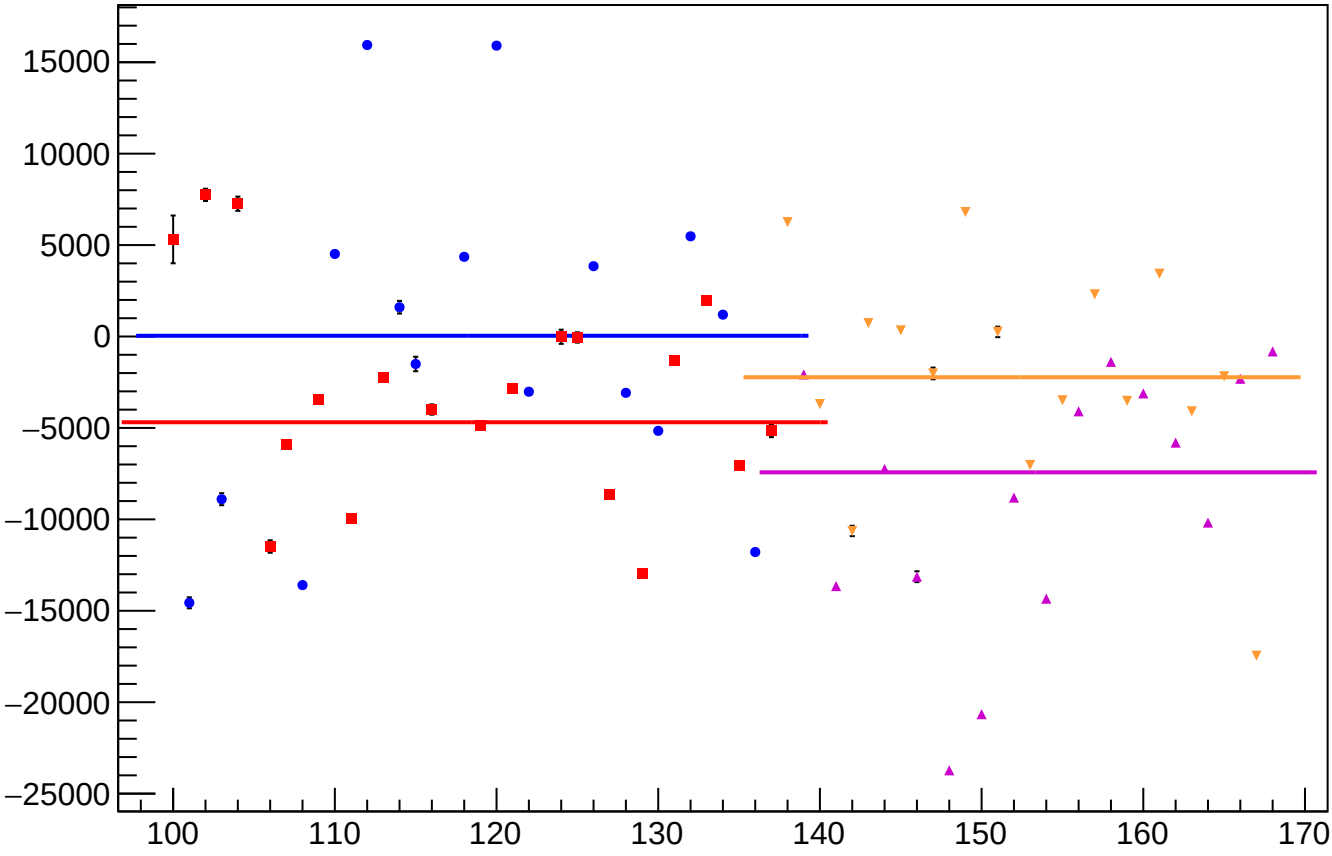
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 176.299+/-0.029 χ^2/NDF:1891310.9/30

Out: 187.504+/-0.031 χ^2/NDF:2111924.2/34

All: 181.627+/-0.021 χ^2/NDF: 4072079.5/65

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7429.273+/-49.502 χ^2/NDF:16829.8/14

Left: -4796.593+/-34.789 χ^2/NDF: 36368.6/30

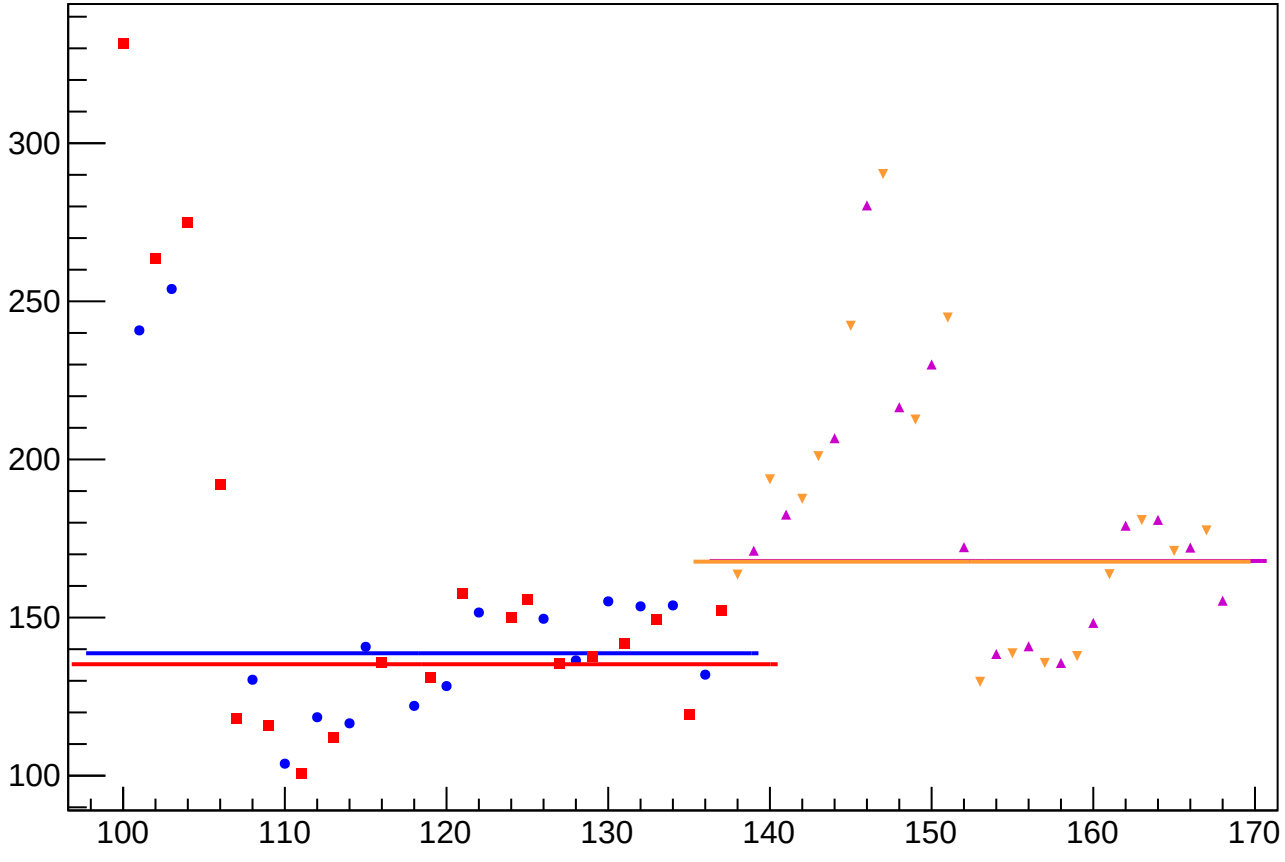
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4031.808+/-36.551 χ^2/NDF:57973.3/30

Out: -3380.768+/-35.654 χ^2/NDF:22933.3/34

All: -3698.203+/-25.523 χ^2/NDF: 81069.1/65

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.897+/-0.035 χ^2/NDF:858469.1/14

Left: 167.789+/-0.025 χ^2/NDF: 2001425.3/30

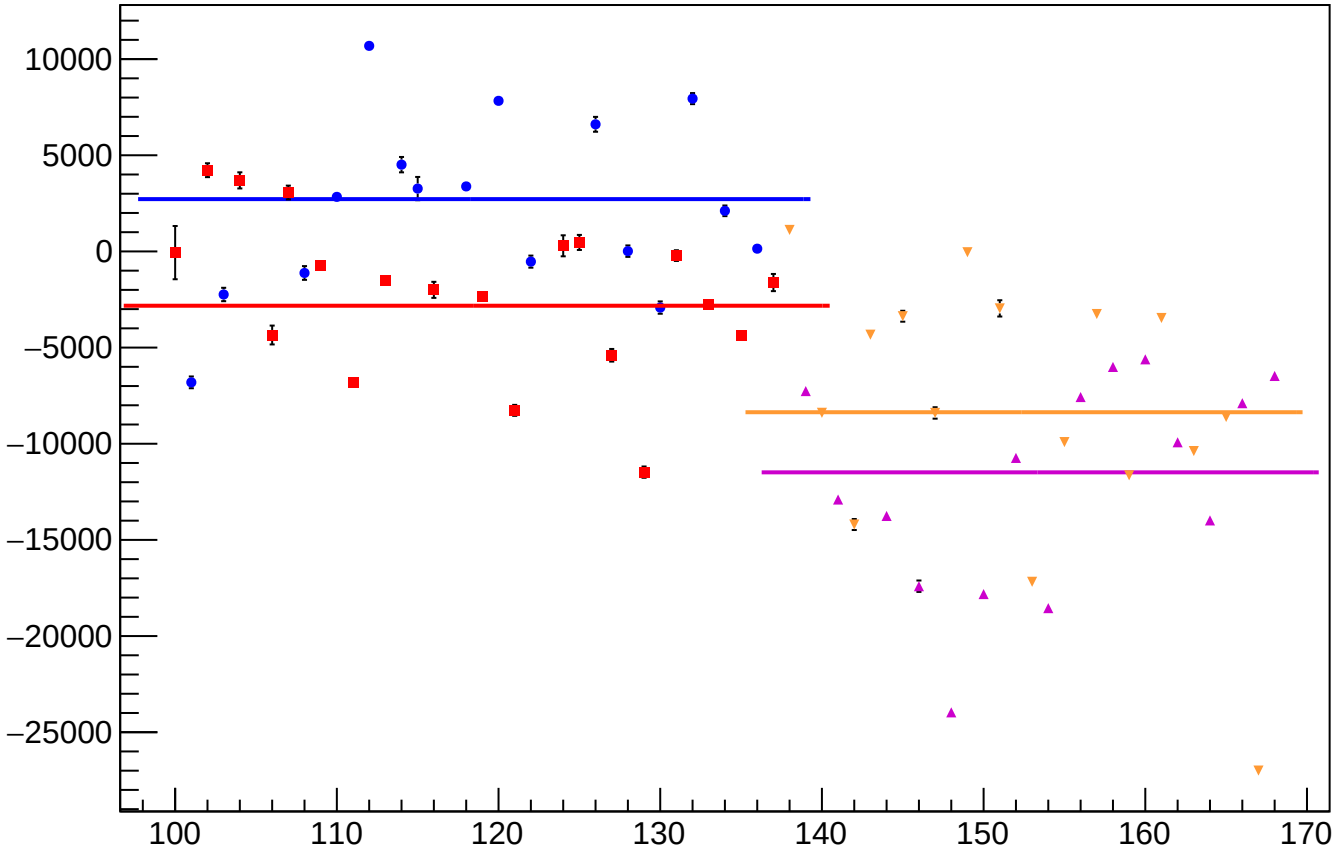
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.624+/-0.026 χ^2/NDF:1832443.5/30

Out: 152.488+/-0.025 χ^2/NDF:2445155.6/34

All: 153.530+/-0.018 χ^2/NDF: 4281097.0/65

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11487.301+/-52.003 χ^2/NDF:10196.1/14

Left: -10080.474+/-38.566 χ^2/NDF: 27460.8/30

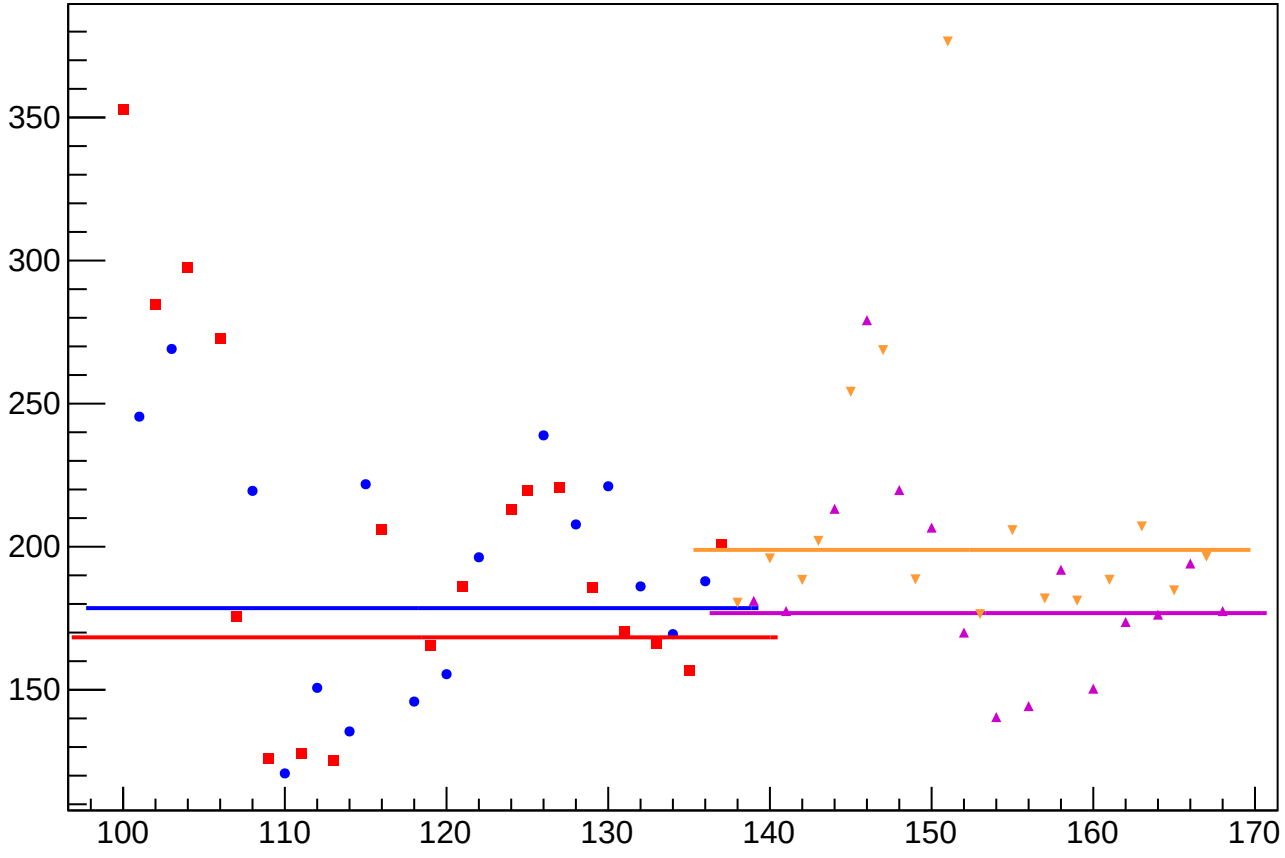
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6364.196+/-41.583 χ^2/NDF:41240.0/30

Out: -5924.191+/-43.020 χ^2/NDF:22783.4/34

All: -6151.667+/-29.899 χ^2/NDF: 64077.6/65

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.803+/-0.037 χ^2/NDF:657411.9/14

Left: 186.746+/-0.027 χ^2/NDF: 1453205.7/30

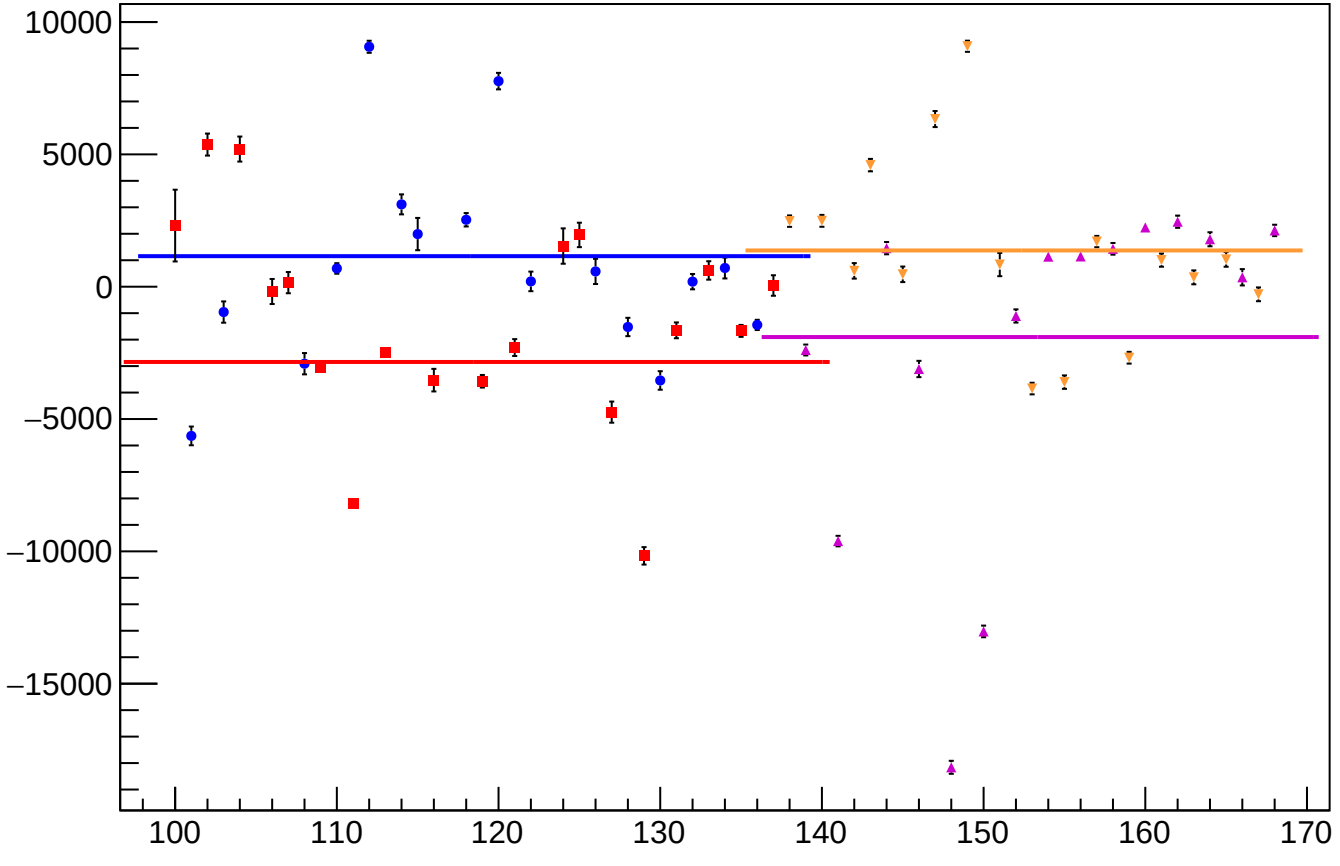
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.430+/-0.029 χ^2/NDF:1332783.6/30

Out: 185.448+/-0.030 χ^2/NDF:1861548.2/34

All: 181.303+/-0.021 χ^2/NDF: 3230253.3/65

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1902.537+/-56.350 χ^2/NDF:11001.5/14

Left: -431.581+/-41.808 χ^2/NDF: 15719.4/30

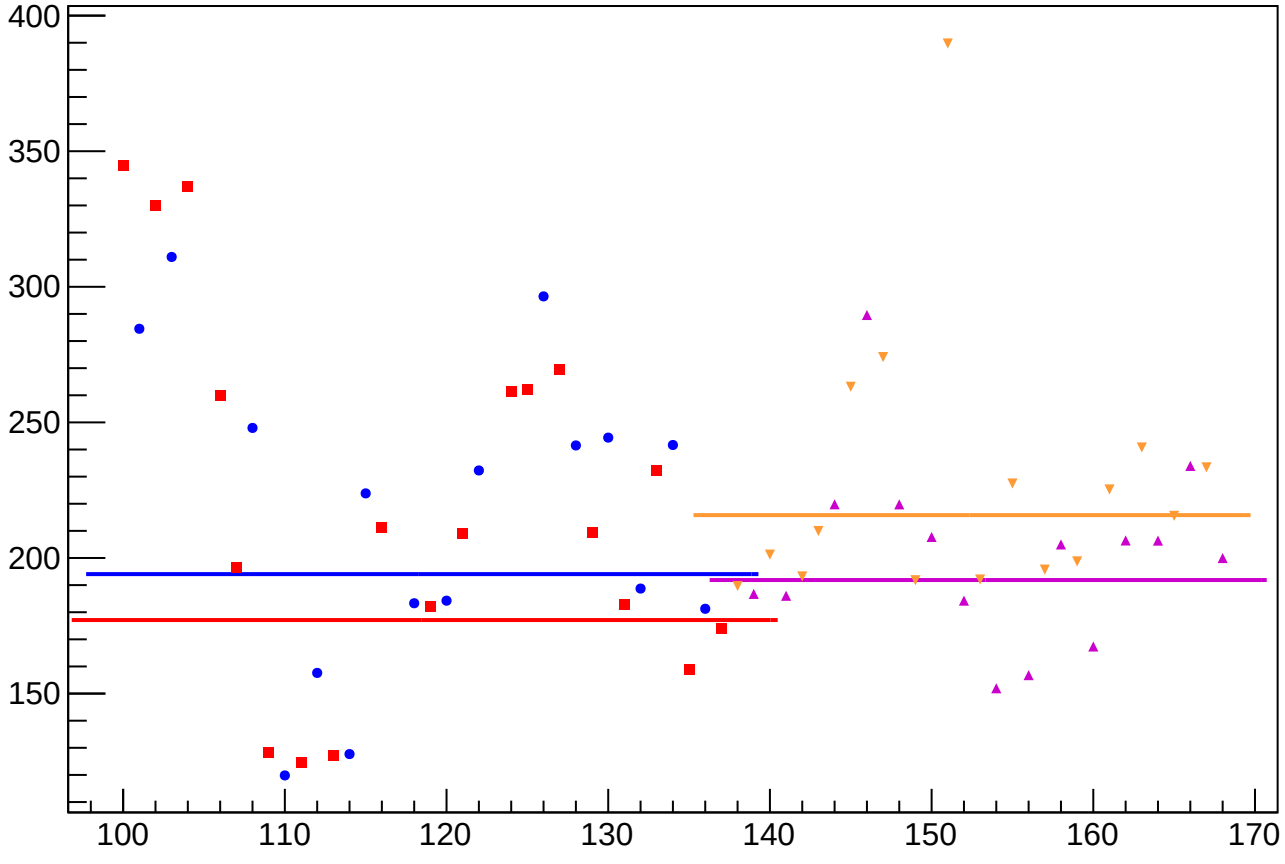
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -817.543+/-45.256 χ^2/NDF:14701.1/30

Out: -520.361+/-46.305 χ^2/NDF:7703.3/34

All: -672.355+/-32.365 χ^2/NDF: 22425.6/65

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.869+/-0.040 χ^2/NDF:563700.4/14

Left: 202.631+/-0.030 χ^2/NDF: 1328273.6/30

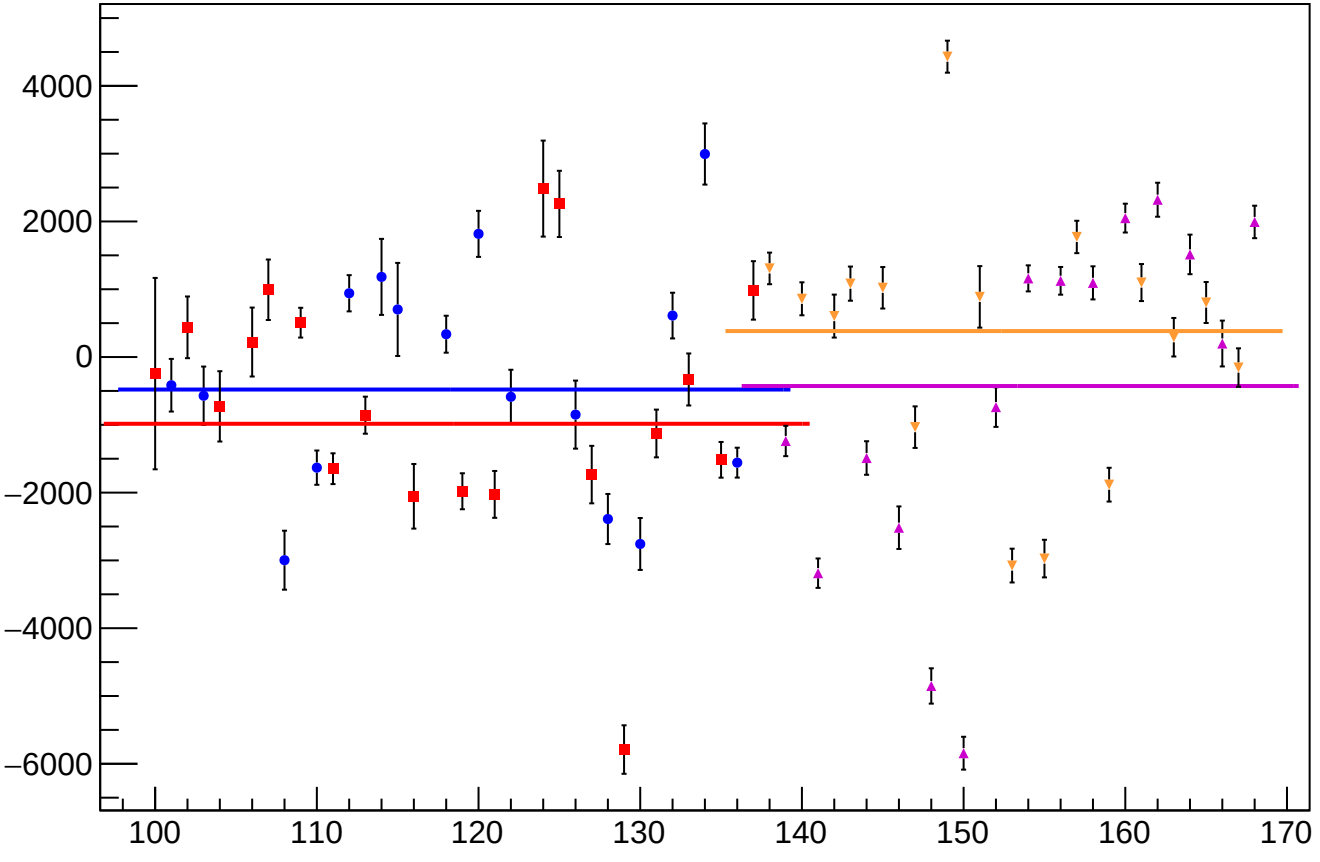
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.644+/-0.032 χ^2/NDF:1530553.3/30

Out: 198.453+/-0.033 χ^2/NDF:2307082.1/34

All: 195.482+/-0.023 χ^2/NDF: 3853733.3/65

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -427.602+/-62.631 χ^2/NDF:1597.3/14

Left: -54.870+/-46.031 χ^2/NDF: 2490.9/30

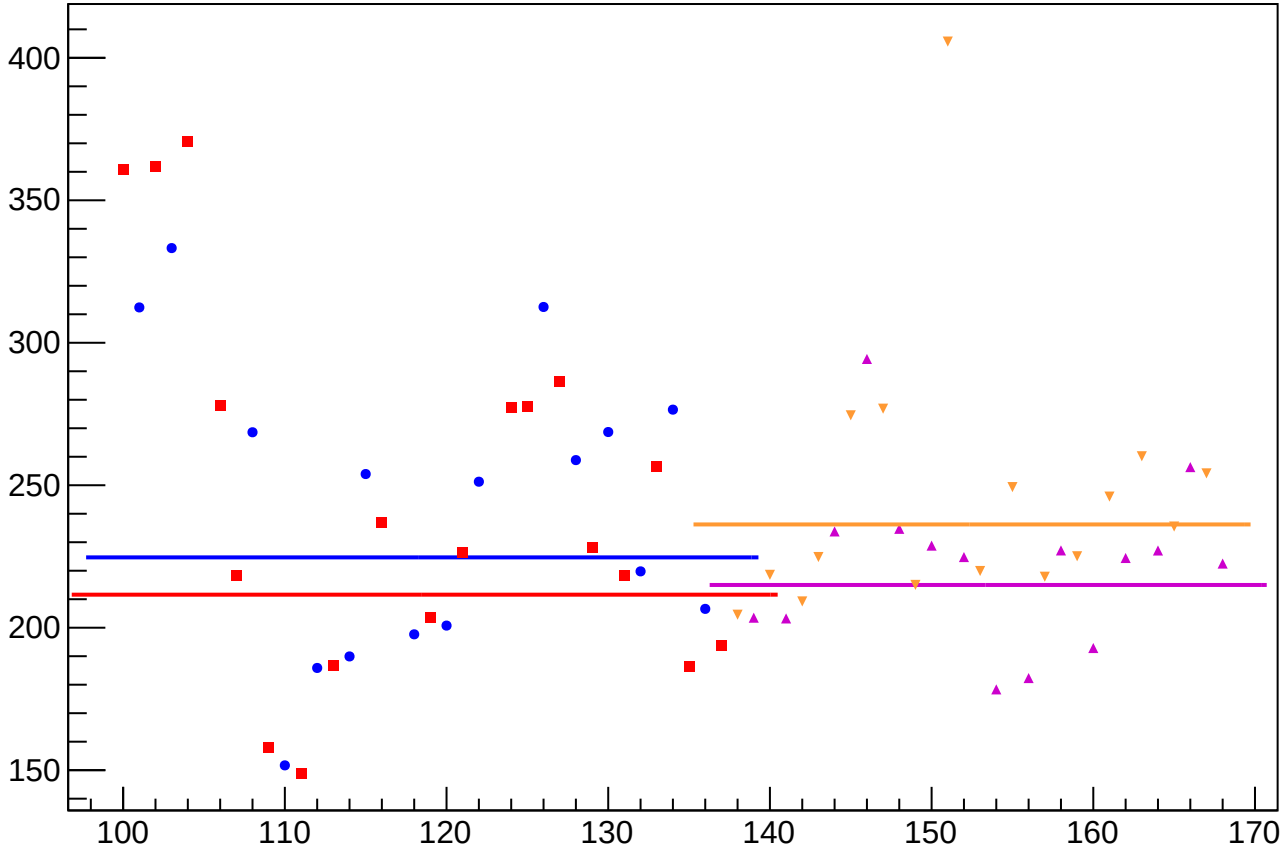
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -445.334+/-50.767 χ^2/NDF:1903.0/30

Out: -181.641+/-52.012 χ^2/NDF:1382.2/34

All: -316.683+/-36.330 χ^2/NDF: 3298.4/65

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 215.002+/-0.044 χ^2/NDF:359243.2/14

Left: 224.770+/-0.033 χ^2/NDF: 946317.5/30

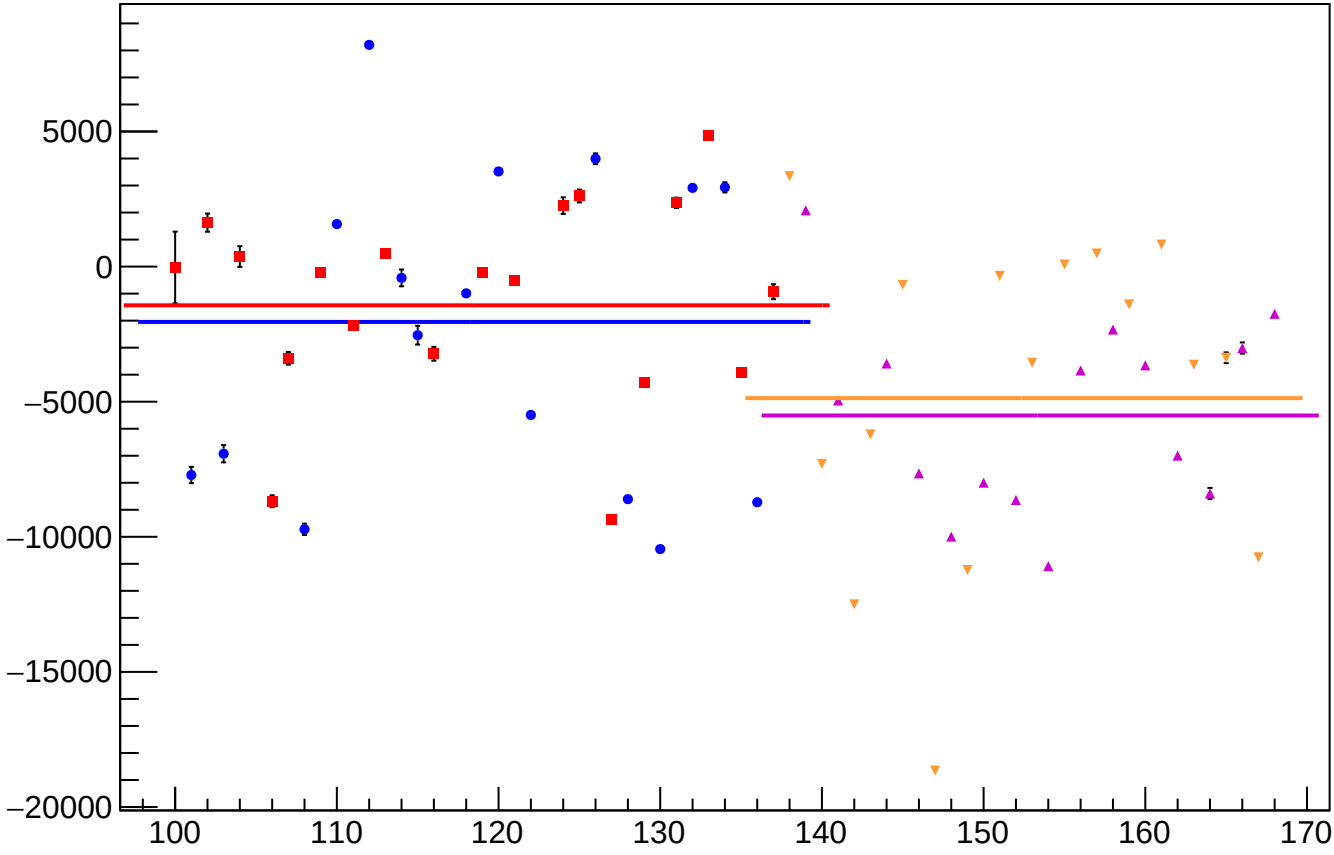
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.322+/-0.036 χ^2/NDF:1028825.9/30

Out: 226.066+/-0.037 χ^2/NDF:1523068.2/34

All: 222.100+/-0.026 χ^2/NDF: 2574601.0/65

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5509.999+/-35.434 χ^2/NDF:10226.9/14

Left: -5183.099+/-24.813 χ^2/NDF: 41226.8/30

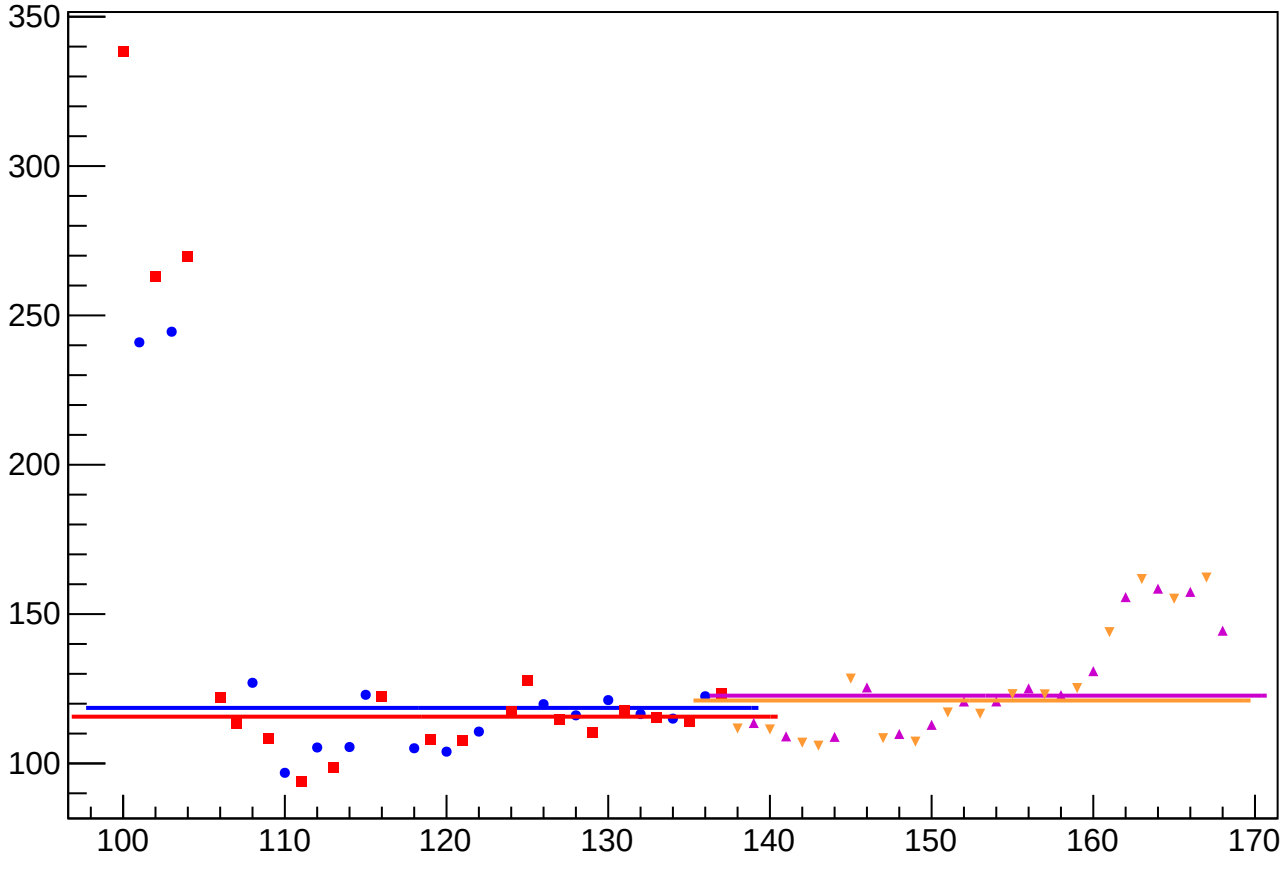
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4245.565+/-28.233 χ^2/NDF:30423.2/30

Out: -3575.033+/-27.446 χ^2/NDF:40899.1/34

All: -3900.817+/-19.679 χ^2/NDF: 71612.3/65

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 122.699+/-0.025 χ^2/NDF:337925.4/14

Left: 121.869+/-0.018 χ^2/NDF: 778854.8/30

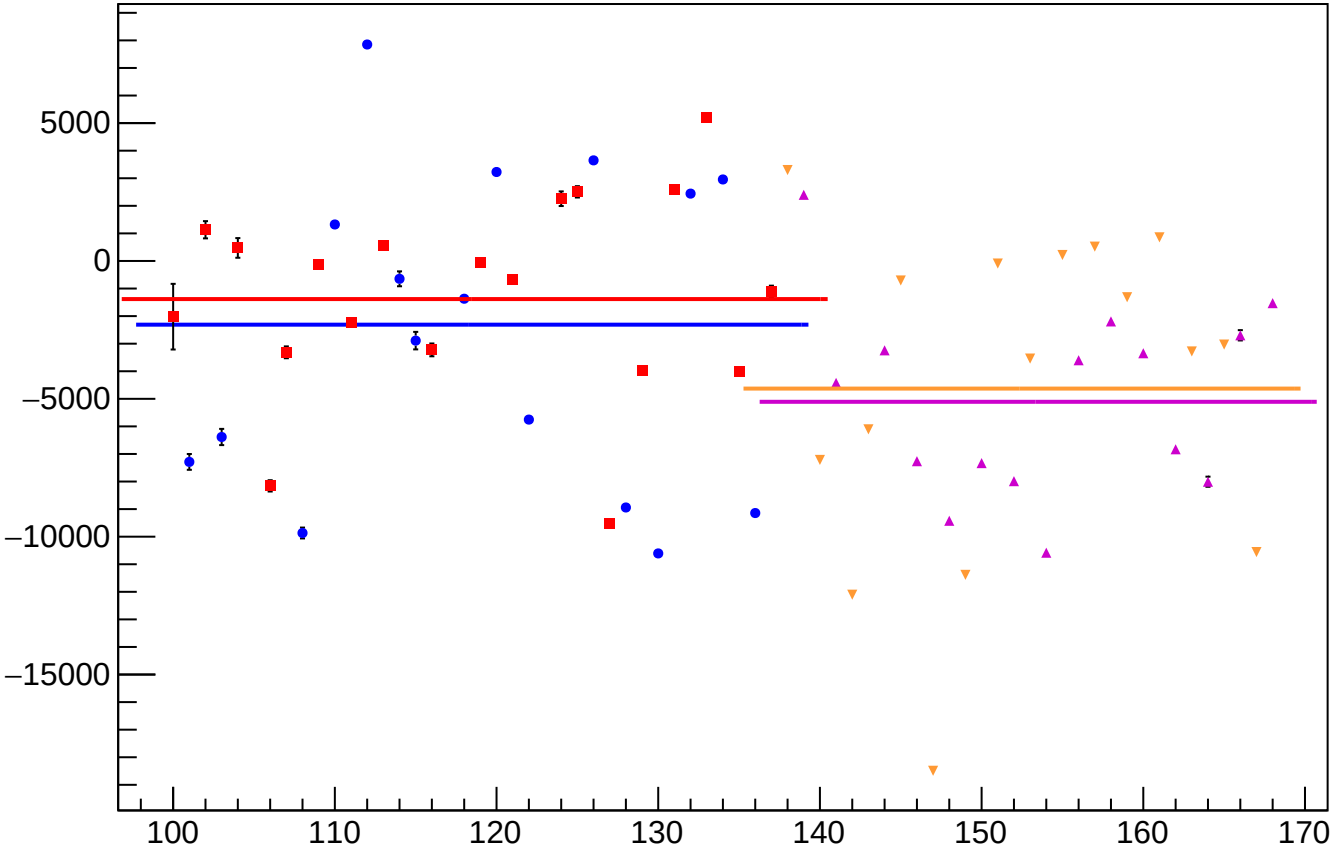
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 121.201+/-0.020 χ^2/NDF:1081876.0/30

Out: 119.034+/-0.019 χ^2/NDF:1321237.8/34

All: 120.087+/-0.014 χ^2/NDF: 2409171.2/65

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4628.610+/-31.186 χ^2/NDF:37290.3/15

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5108.050+/-31.788 χ^2/NDF:12097.6/14

Left: -4863.741+/-22.262 χ^2/NDF: 49503.9/30

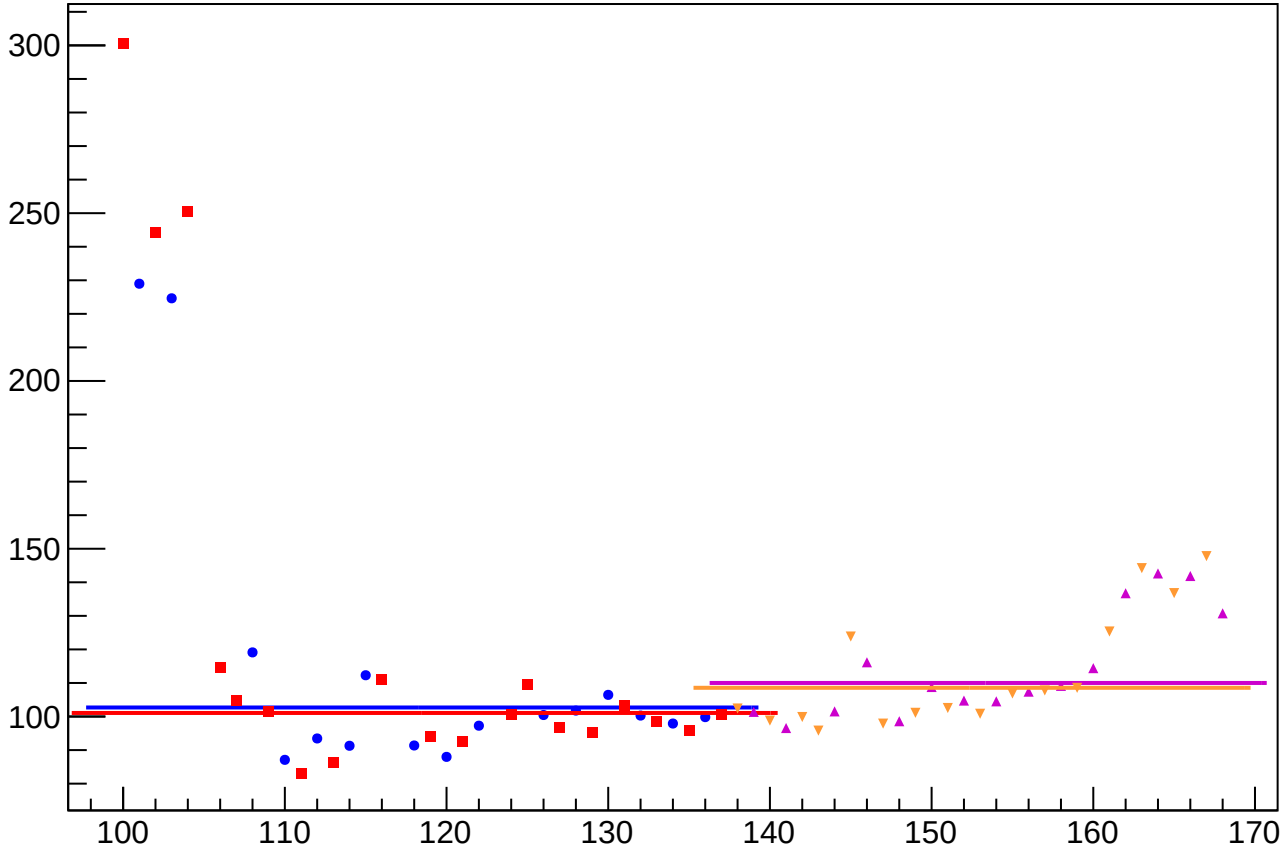
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4049.224+/-25.061 χ^2/NDF:36708.4/30

Out: -3375.879+/-24.439 χ^2/NDF:50050.9/34

All: -3704.095+/-17.497 χ^2/NDF: 87129.3/65

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 108.561+/-0.022 χ^2/NDF:417986.1/15

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 110.004+/-0.022 χ^2/NDF:321703.9/14

Left: 109.269+/-0.016 χ^2/NDF: 741788.2/30

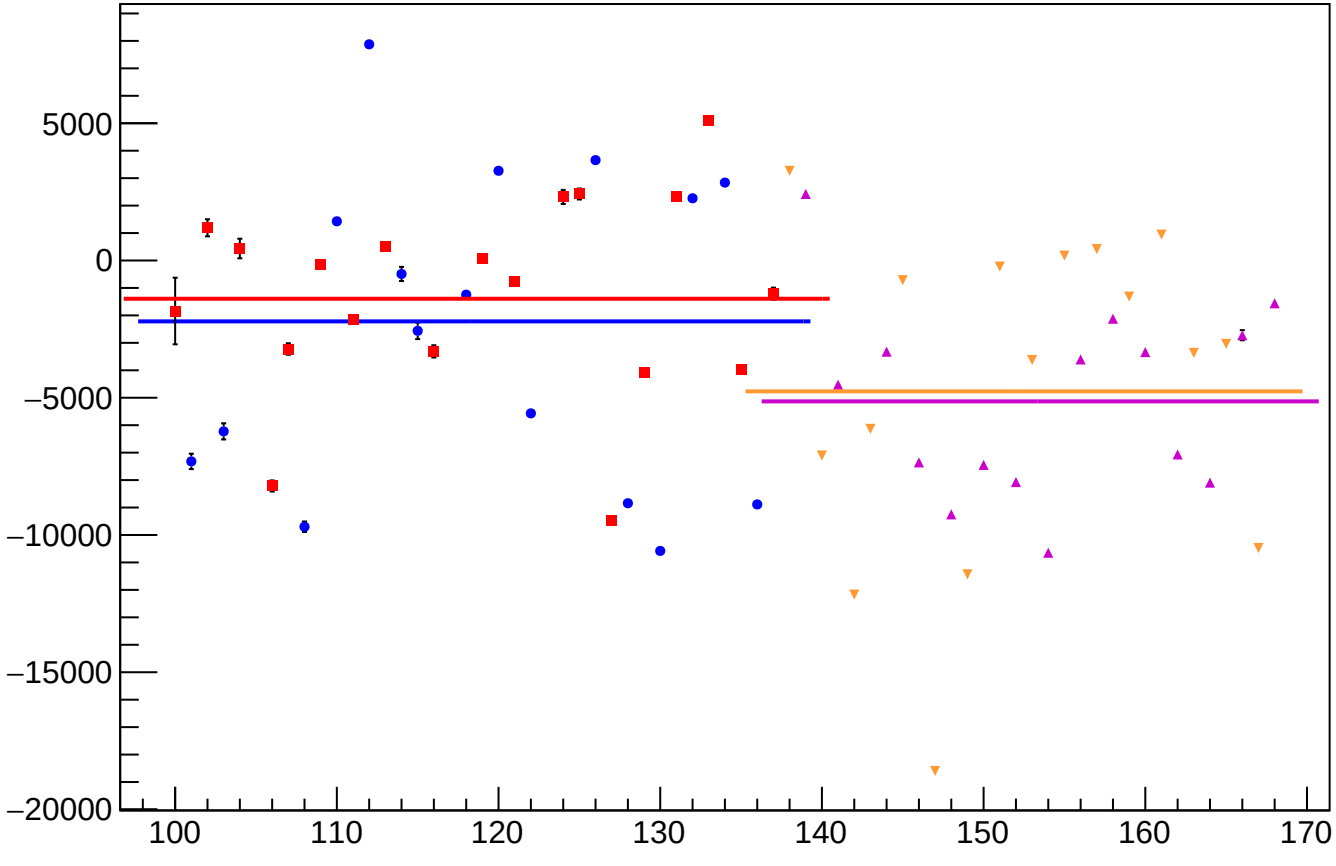
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 107.237+/-0.018 χ^2/NDF:1187536.2/30

Out: 105.668+/-0.017 χ^2/NDF:1393058.9/34

All: 106.433+/-0.012 χ^2/NDF: 2584613.0/65

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4767.388+/-30.538 χ^2/NDF:40081.6/15

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5132.277+/-31.079 χ^2/NDF:12812.4/14

Left: -4946.625+/-21.782 χ^2/NDF: 52964.2/30

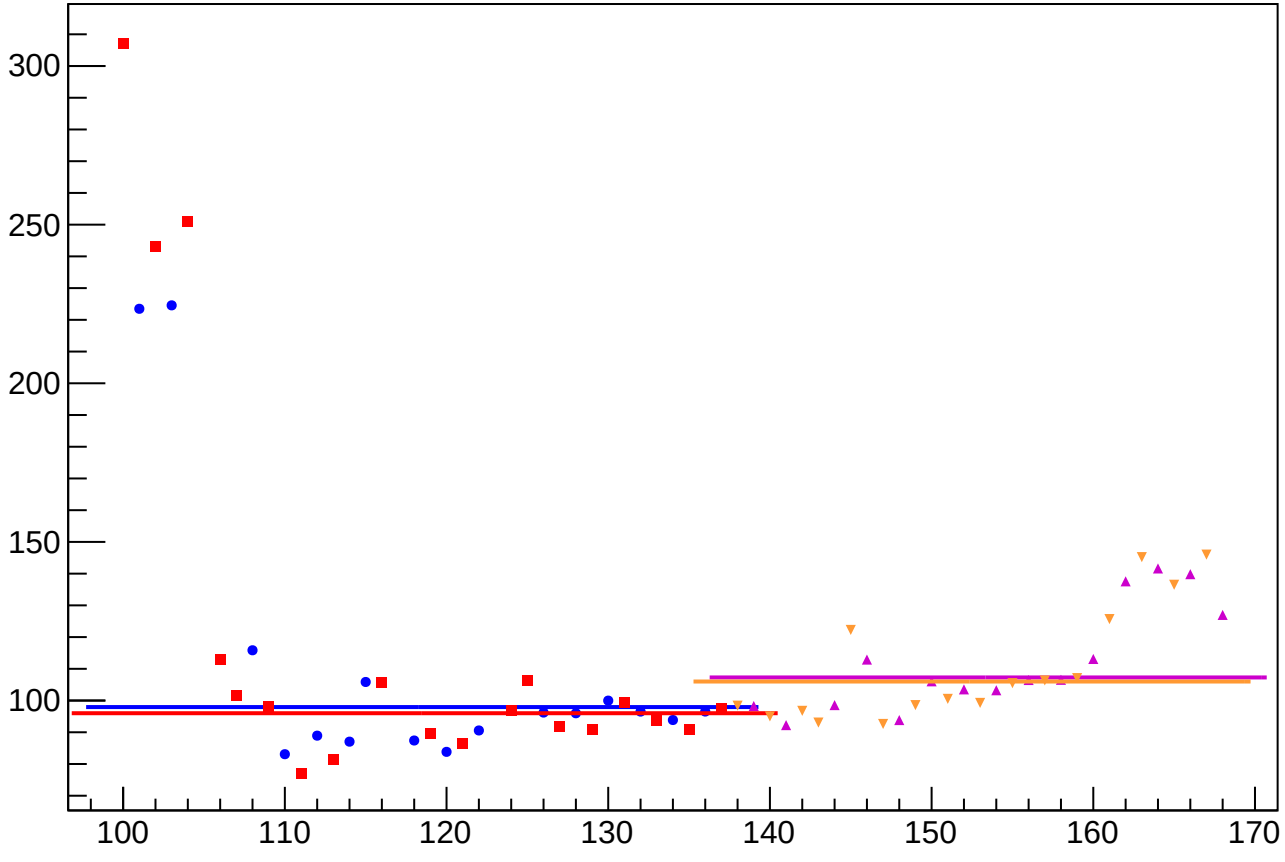
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4001.757+/-24.315 χ^2/NDF:39263.9/30

Out: -3425.573+/-23.699 χ^2/NDF:54088.2/34

All: -3706.280+/-16.971 χ^2/NDF: 93640.1/65

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 105.996+/-0.022 χ^2/NDF:492148.1/15

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 107.278+/-0.022 χ^2/NDF:370982.9/14

Left: 106.626+/-0.015 χ^2/NDF: 864862.5/30

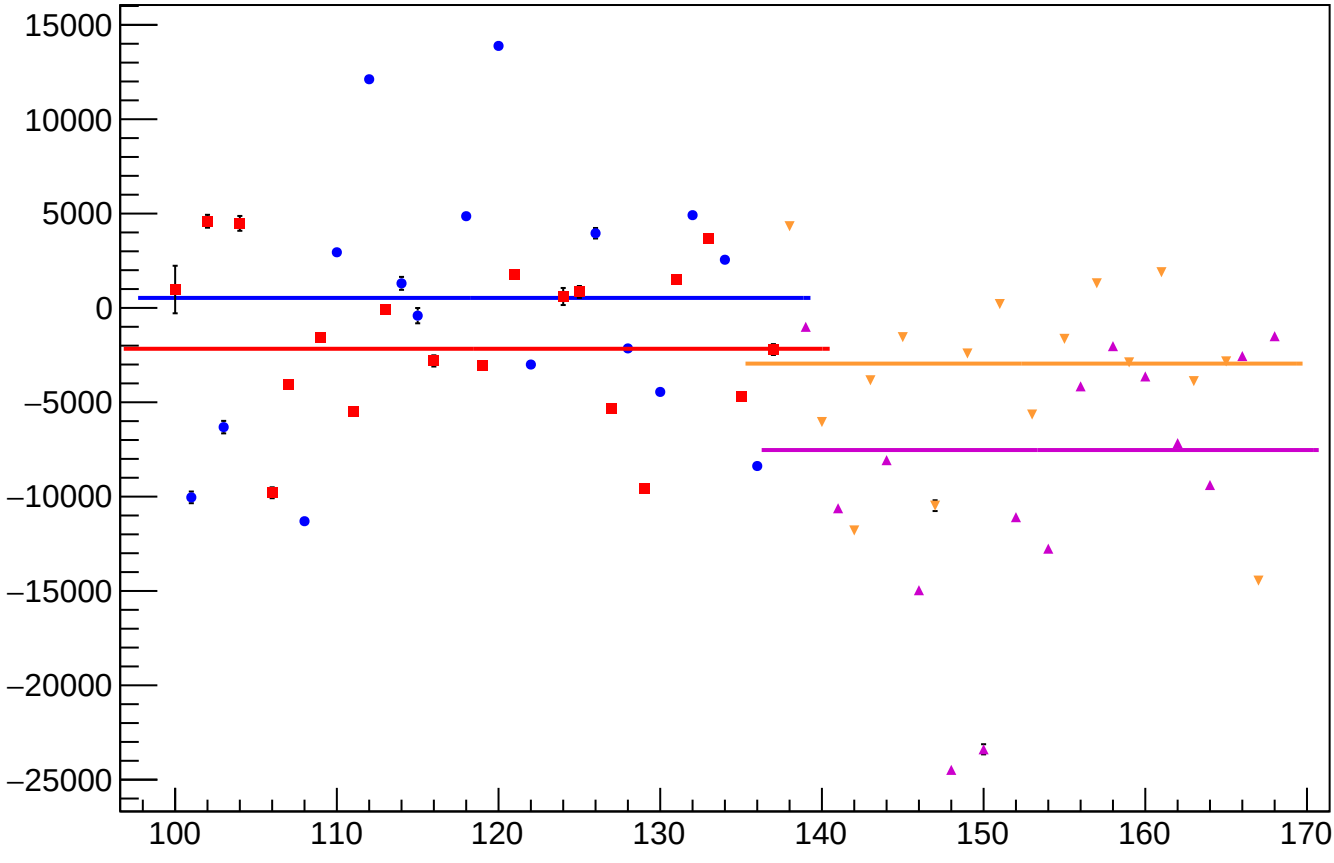
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 103.657+/-0.017 χ^2/NDF:1309122.2/30

Out: 102.023+/-0.017 χ^2/NDF:1589586.8/34

All: 102.819+/-0.012 χ^2/NDF: 2903344.3/65

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2950.919+/-44.372 χ^2/NDF:10660.0/15

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7531.519+/-45.749 χ^2/NDF:16852.0/14

Left: -5171.207+/-31.851 χ^2/NDF: 32677.7/30

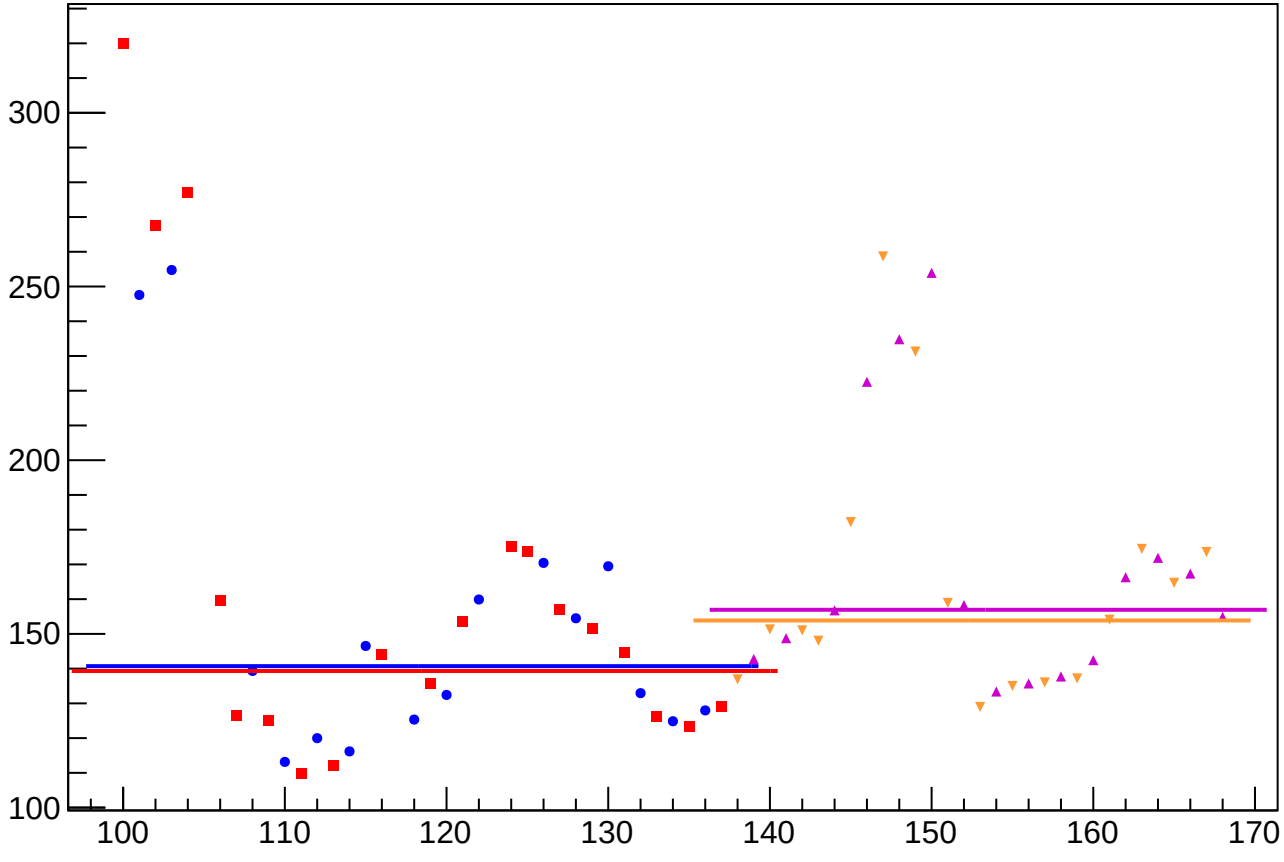
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4224.224+/-35.134 χ^2/NDF:48179.1/30

Out: -2630.330+/-34.143 χ^2/NDF:15755.2/34

All: -3404.475+/-24.485 χ^2/NDF: 64992.7/65

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 153.869+/-0.031 χ^2/NDF:717833.7/15

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.940+/-0.032 χ^2/NDF:776798.9/14

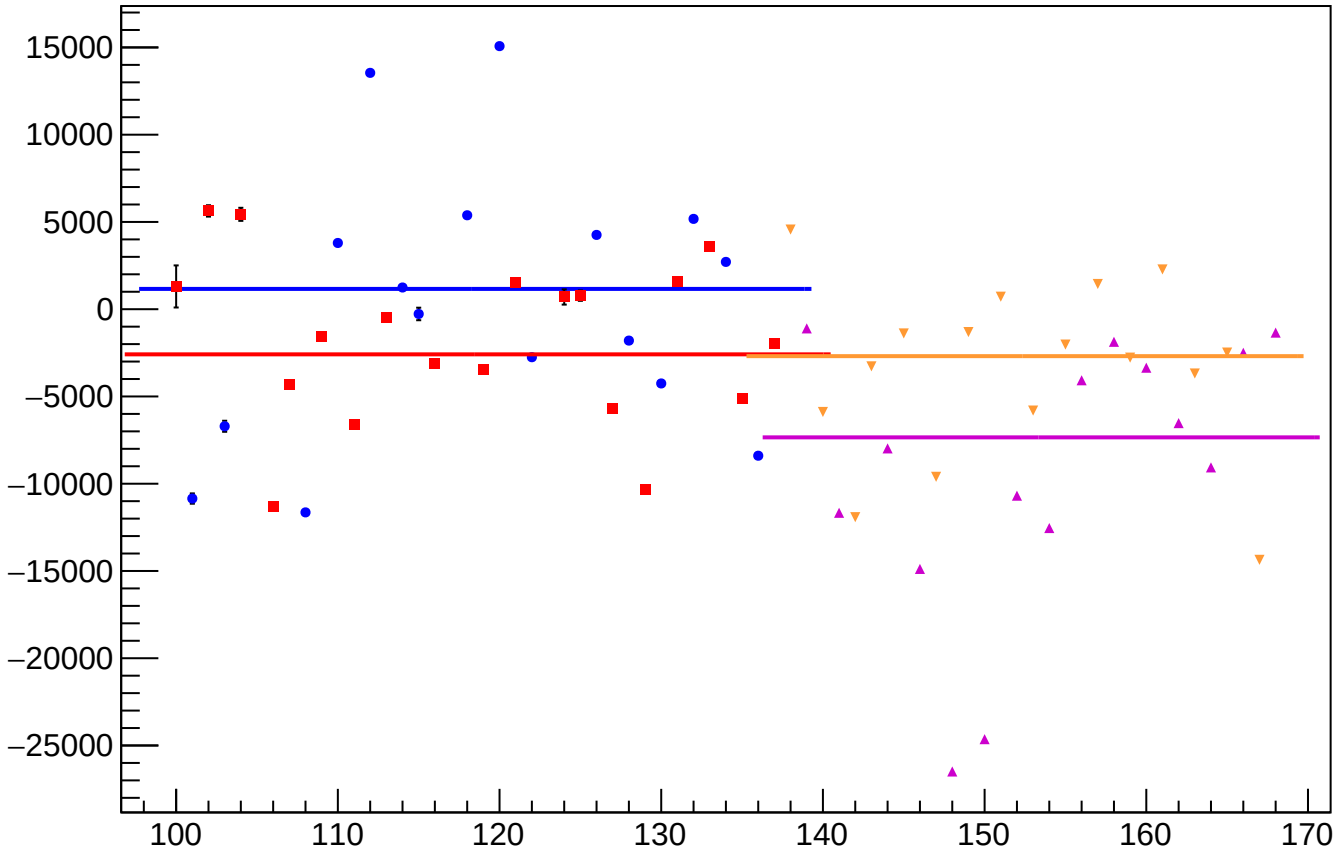
Left: 155.357+/-0.023 χ^2/NDF: 1499277.6/30

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 150.284+/-0.025 χ^2/NDF:1555608.3/30

Out: 147.933+/-0.024 χ^2/NDF:1607892.2/34

All: 149.075+/-0.017 χ^2/NDF: 3168107.5/65



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2690.328+/-39.171 χ^2/NDF:13703.7/15

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7343.881+/-40.503 χ^2/NDF:22315.4/14

Left: -4939.313+/-28.157 χ^2/NDF: 42840.0/30

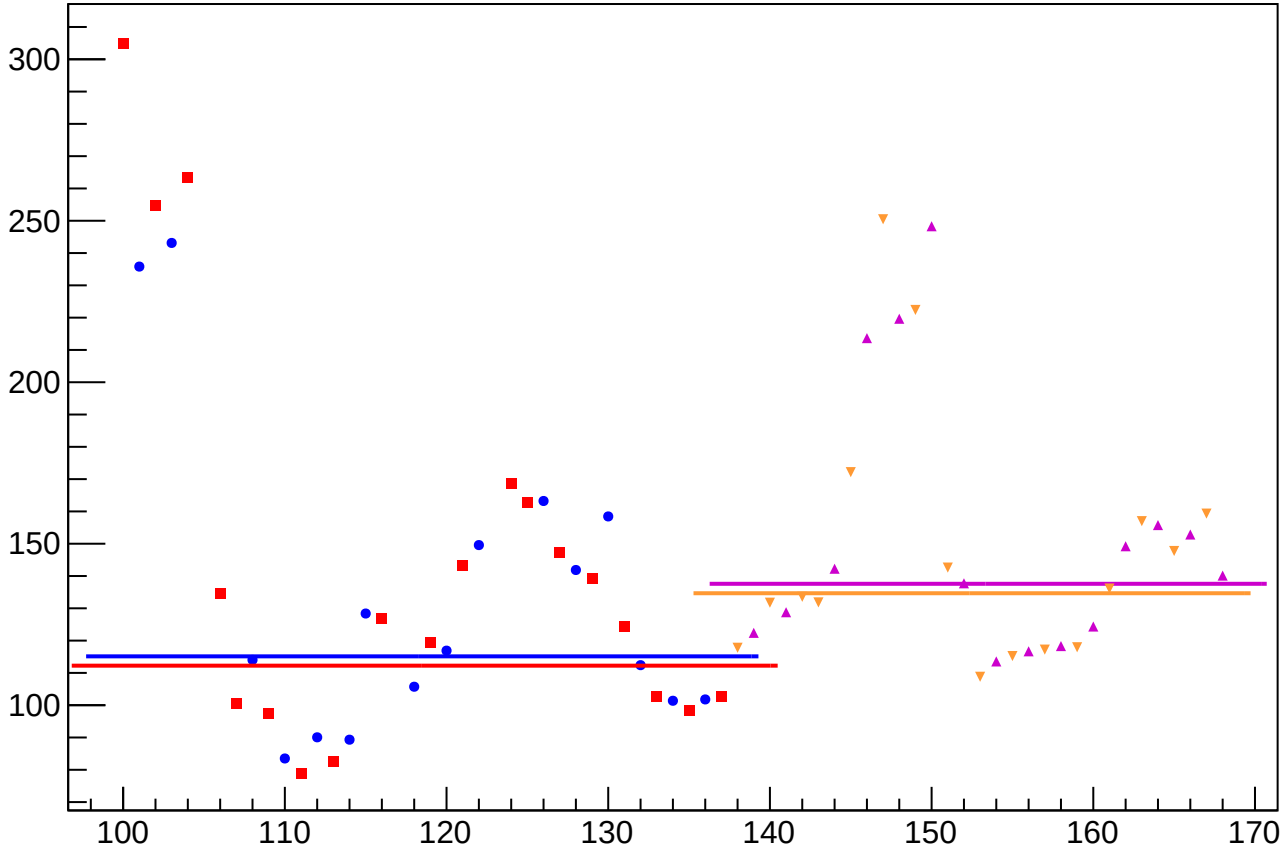
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3622.462+/-30.379 χ^2/NDF:72367.1/30

Out: -2644.831+/-29.332 χ^2/NDF:21806.5/34

All: -3116.517+/-21.101 χ^2/NDF: 94709.5/65

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.667+/-0.028 χ^2/NDF:1011779.4/15

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 137.590+/-0.029 χ^2/NDF:1066691.6/14

Left: 136.080+/-0.020 χ^2/NDF: 2083853.1/30

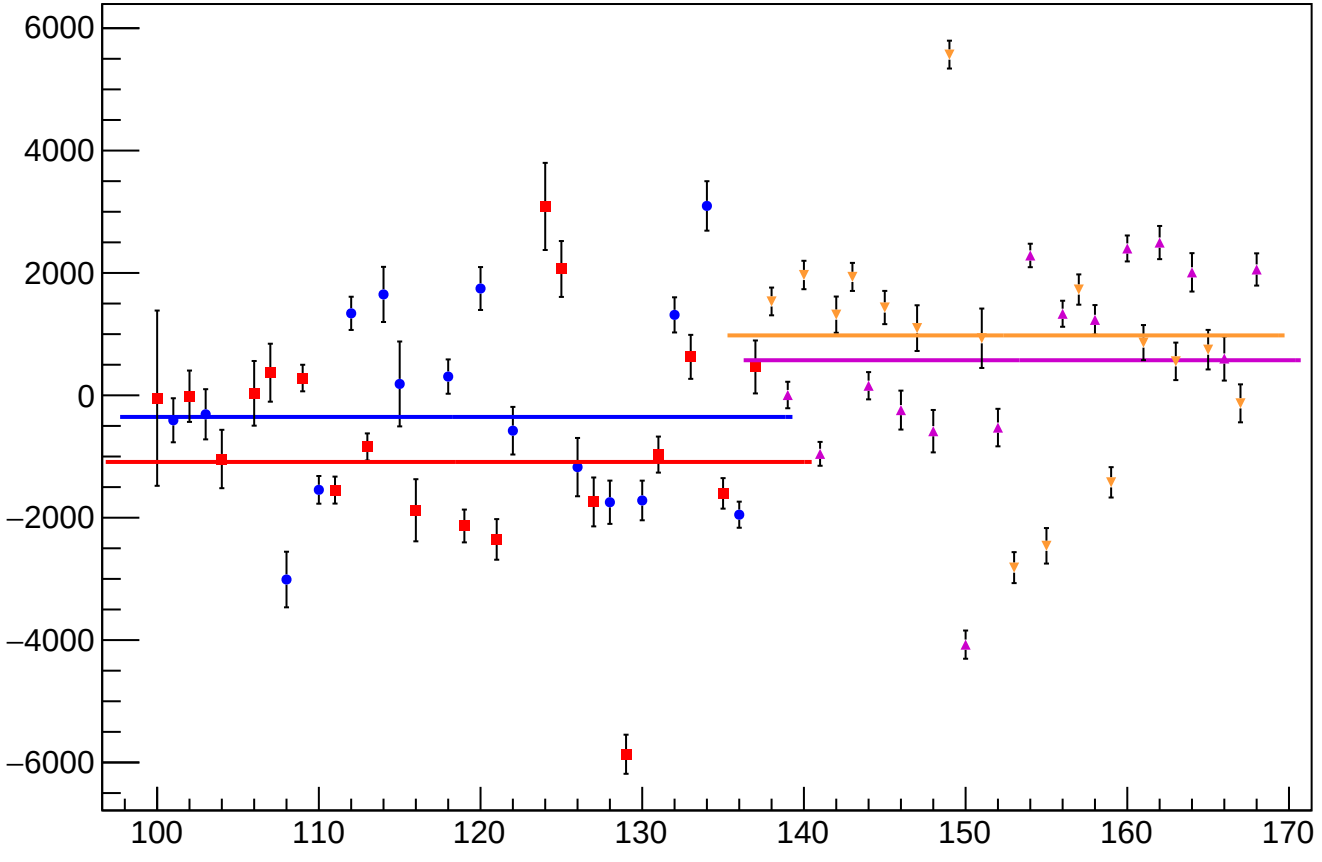
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 127.763+/-0.021 χ^2/NDF:2448820.2/30

Out: 124.816+/-0.021 χ^2/NDF:2627891.7/34

All: 126.238+/-0.015 χ^2/NDF: 5086449.9/65

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 979.354+/-68.124 χ^2/NDF:934.8/15

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 573.548+/-63.257 χ^2/NDF:785.8/14

Left: 761.440+/-46.355 χ^2/NDF: 1739.7/30

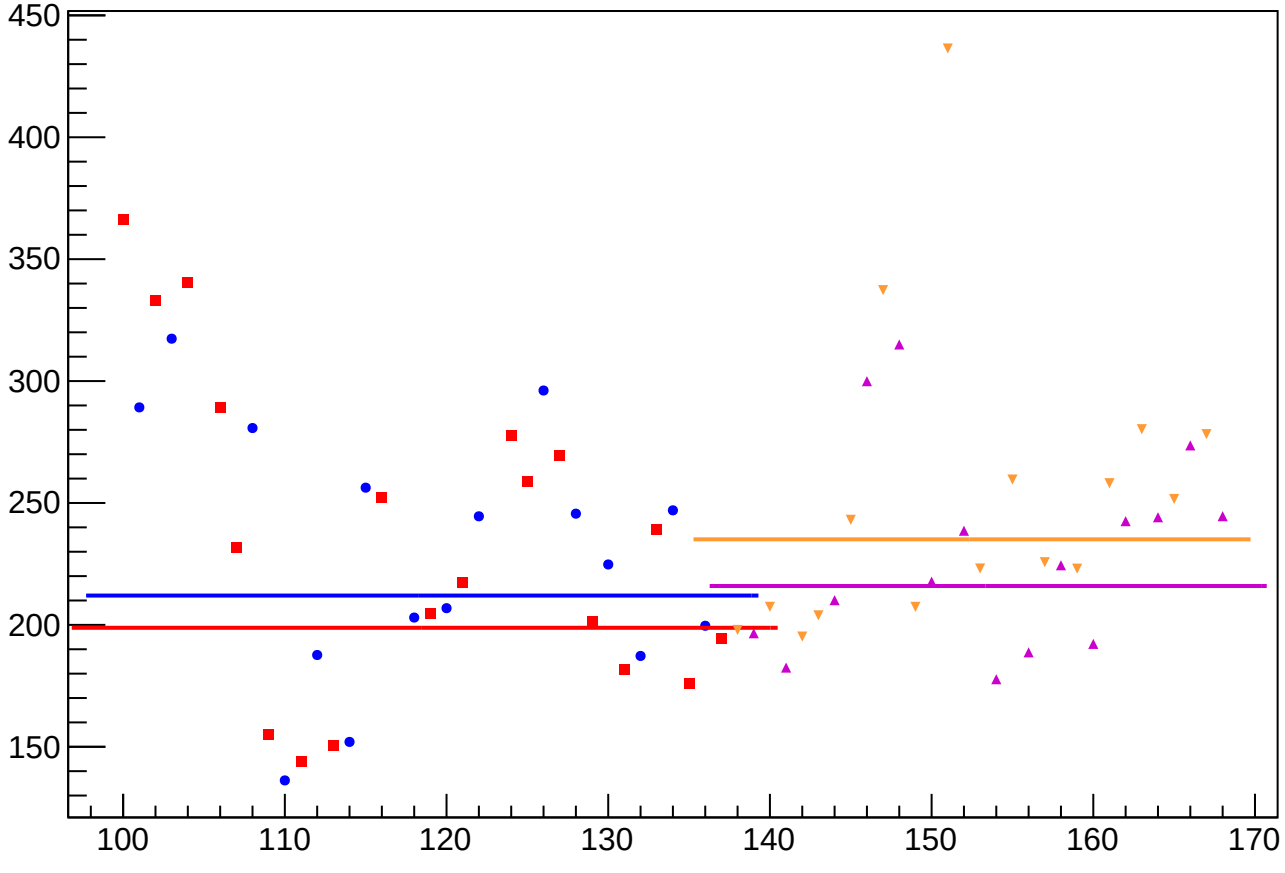
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 228.539+/-50.117 χ^2/NDF:1227.5/30

Out: 63.931+/-50.859 χ^2/NDF:1789.9/34

All: 147.445+/-35.697 χ^2/NDF: 3022.7/65

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 235.087+/-0.048 χ^2/NDF:806902.3/15

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 215.945+/-0.045 χ^2/NDF:639988.7/14

Left: 224.808+/-0.033 χ^2/NDF: 1531684.3/30

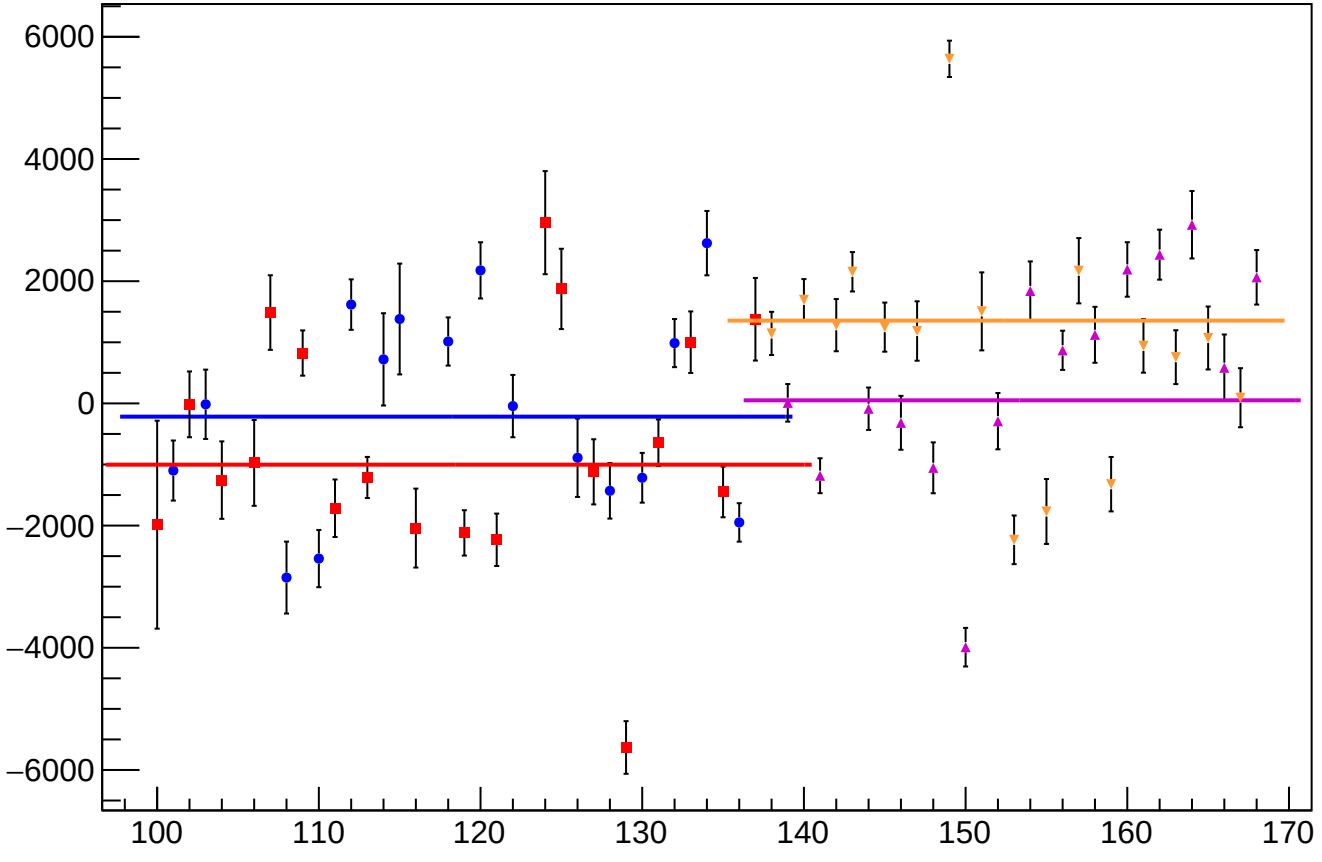
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 214.487+/-0.035 χ^2/NDF:1333203.0/30

Out: 219.029+/-0.036 χ^2/NDF:2032880.2/34

All: 216.724+/-0.025 χ^2/NDF: 3374177.6/65

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1354.951+/-103.857 χ^2/NDF:379.4/15

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: 50.358+/-100.915 χ^2/NDF:321.9/14

Left: 683.914+/-72.375 χ^2/NDF: 782.5/30

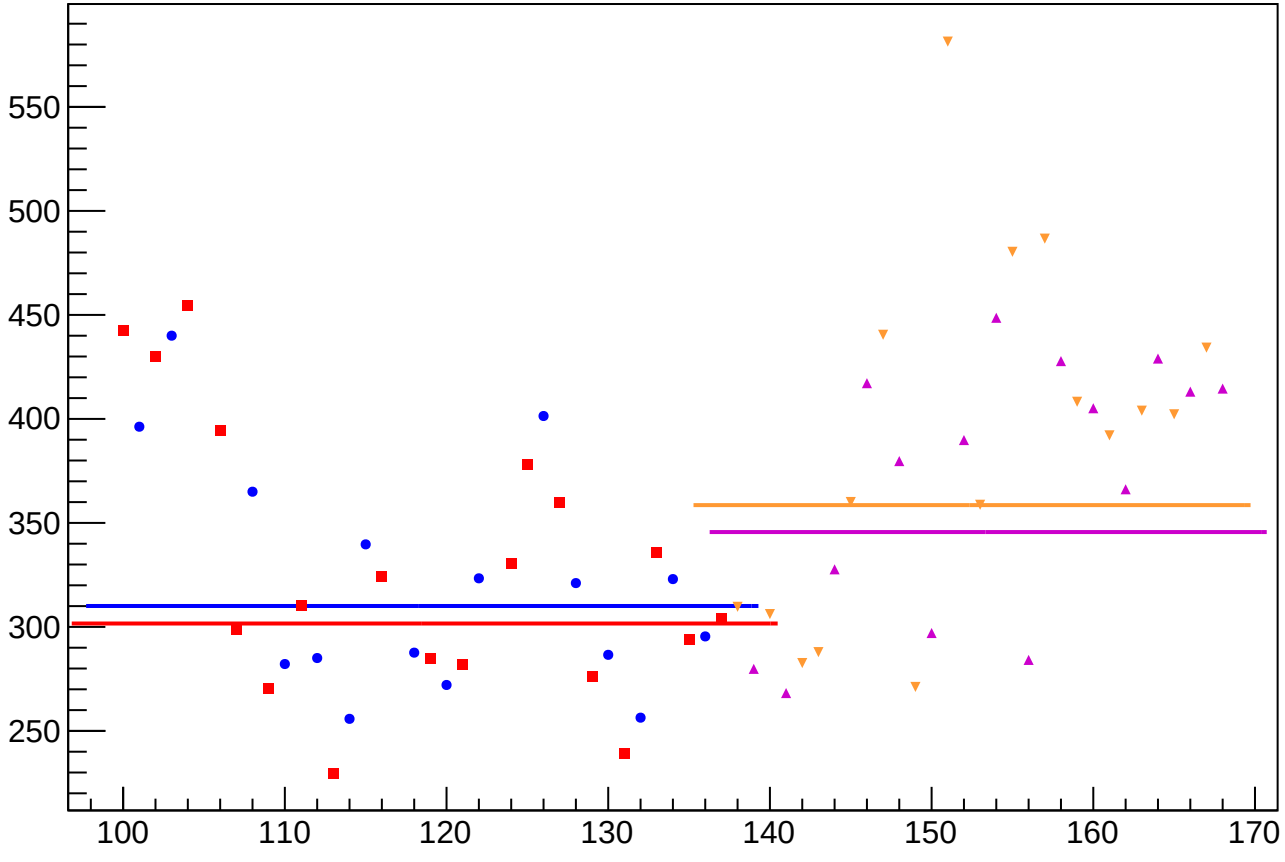
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -62.684+/-76.662 χ^2/NDF:517.1/30

Out: 276.341+/-76.500 χ^2/NDF:869.6/34

All: 107.187+/-54.151 χ^2/NDF: 1396.4/65

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 358.557+/-0.073 χ^2/NDF:1059359.1/15

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 345.604+/-0.071 χ^2/NDF:768666.3/14

Left: 351.894+/-0.051 χ^2/NDF: 1844025.8/30

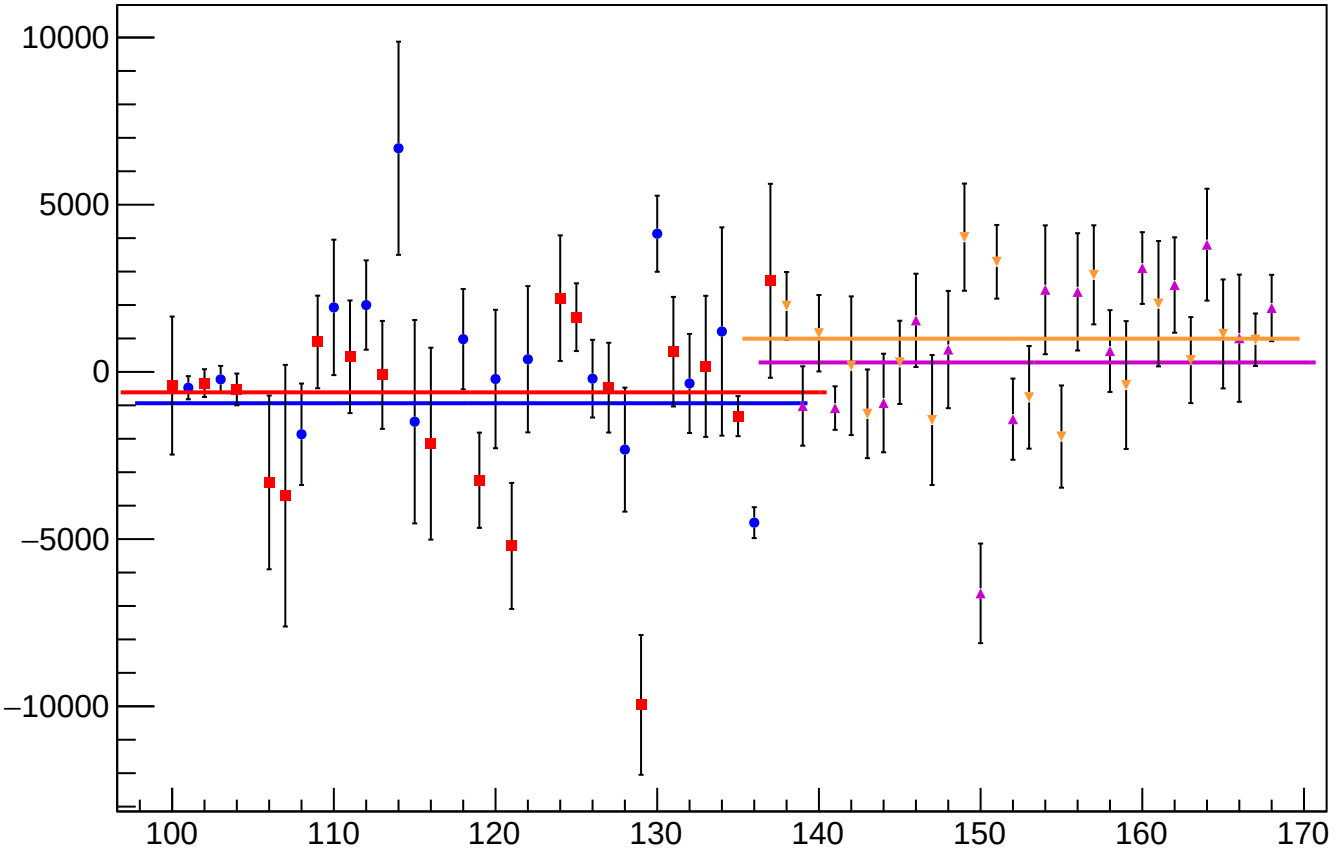
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 330.574+/-0.054 χ^2/NDF:1196866.4/30

Out: 332.520+/-0.054 χ^2/NDF:1854041.1/34

All: 331.549+/-0.038 χ^2/NDF: 3051553.6/65

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 993.248+/-330.798 χ^2/NDF:21.5/15

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 282.680+/-319.801 χ^2/NDF:50.2/14

Left: 625.956+/-229.923 χ^2/NDF: 74.1/30

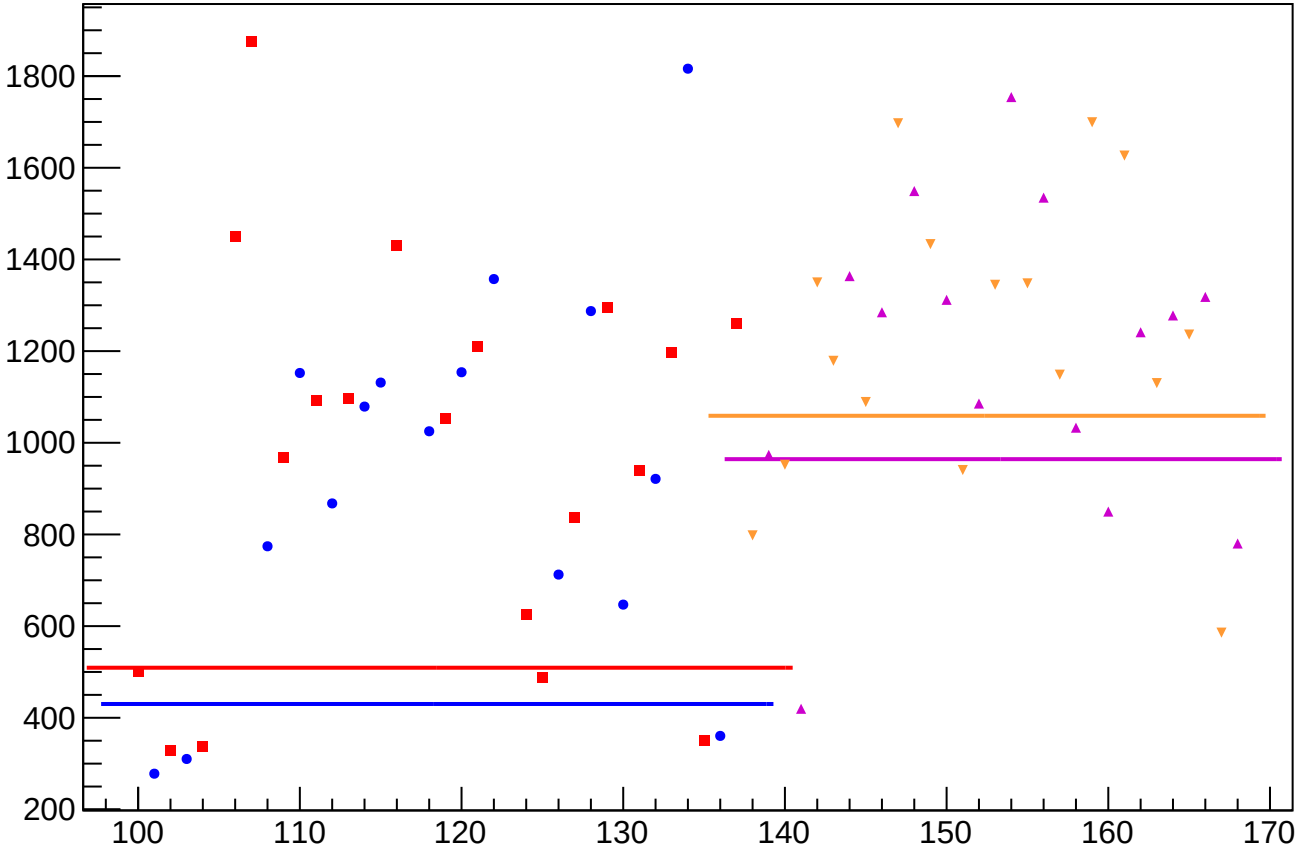
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -582.442+/-172.416 χ^2/NDF:161.7/30

Out: -79.031+/-190.569 χ^2/NDF:81.4/34

All: -355.849+/-127.854 χ^2/NDF: 247.0/65

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1058.909+/-0.234 χ^2/NDF:1868407.1/15

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 964.285+/-0.226 χ^2/NDF:2868432.6/14

Left: 1009.998+/-0.163 χ^2/NDF: 4821428.0/30

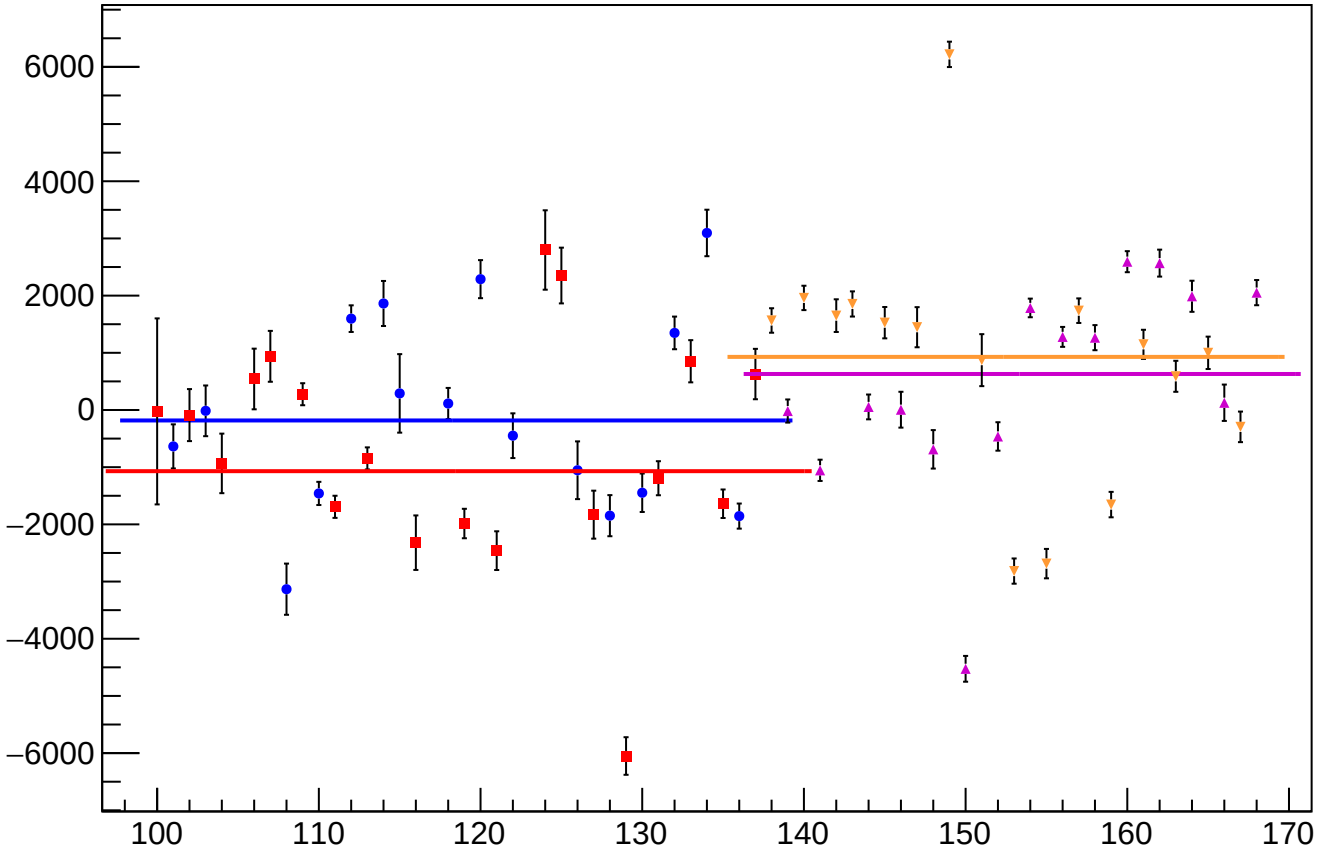
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 585.378+/-0.122 χ^2/NDF:10348403.0/30

Out: 691.661+/-0.135 χ^2/NDF:9231339.6/34

All: 633.217+/-0.090 χ^2/NDF: 19921818.0/65

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 928.720+/-62.453 χ^2/NDF:1289.7/15

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 629.664+/-56.582 χ^2/NDF:983.4/14

Left: 764.476+/-41.932 χ^2/NDF: 2285.7/30

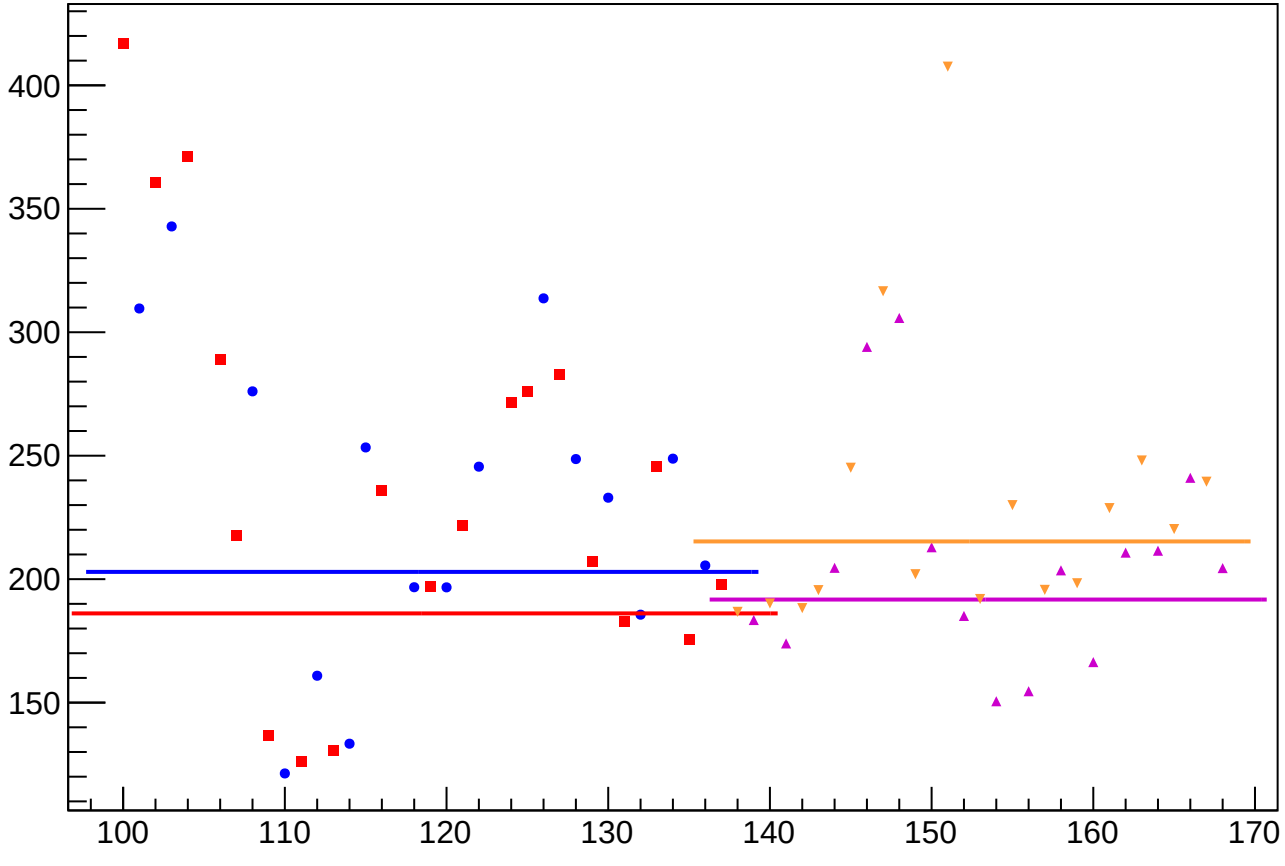
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 358.067+/-46.169 χ^2/NDF:1470.1/30

Out: 84.968+/-47.473 χ^2/NDF:2214.3/34

All: 225.319+/-33.098 χ^2/NDF: 3701.4/65

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.277+/-0.044 χ^2/NDF:762001.0/15

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 191.739+/-0.040 χ^2/NDF:831605.5/14

Left: 202.349+/-0.030 χ^2/NDF: 1749634.4/30

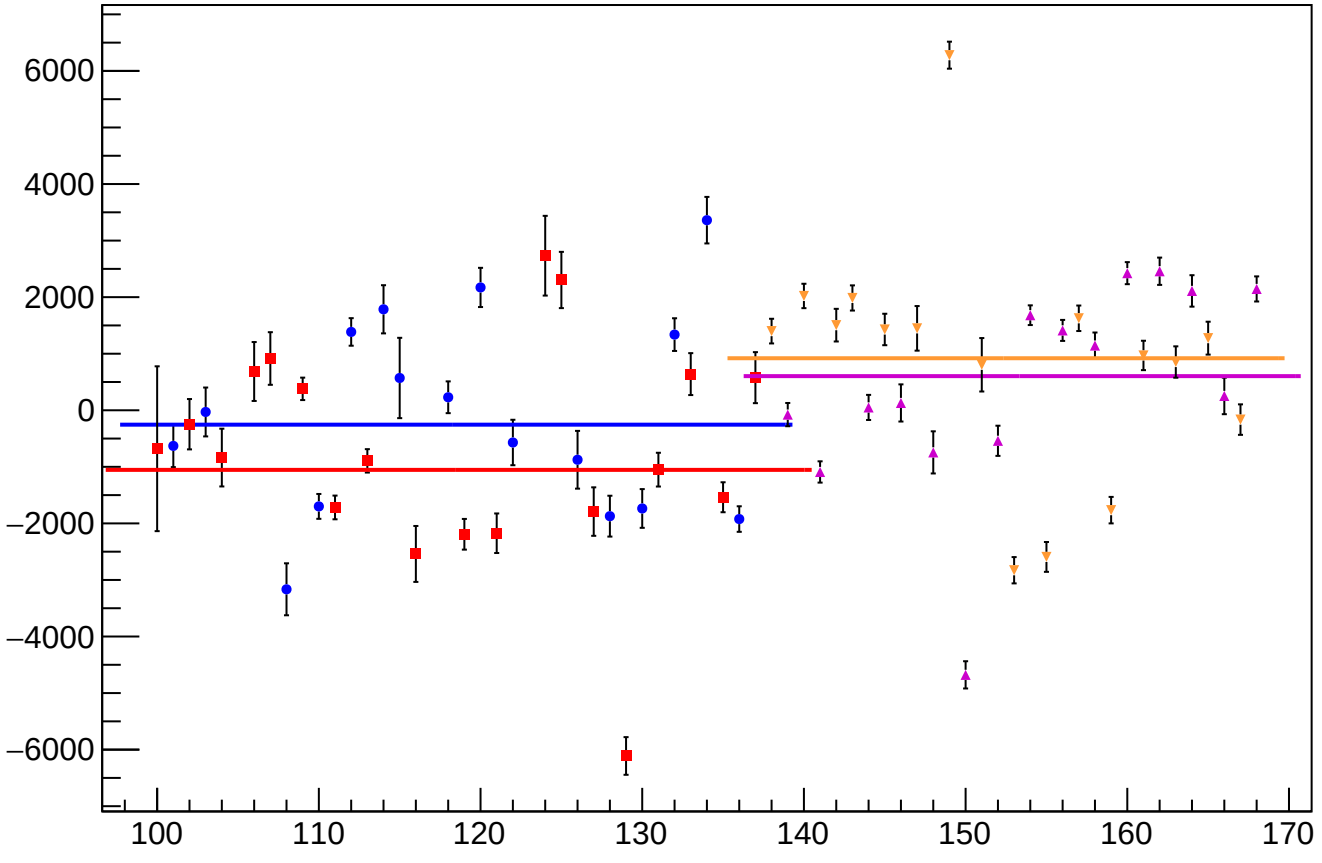
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 195.482+/-0.033 χ^2/NDF:1929666.7/30

Out: 202.970+/-0.034 χ^2/NDF:2427594.6/34

All: 199.122+/-0.023 χ^2/NDF: 4382833.6/65

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 920.042+/-64.510 χ^2/NDF:1162.8/15

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 603.704+/-59.023 χ^2/NDF:900.2/14

Left: 747.849+/-43.546 χ^2/NDF: 2076.0/30

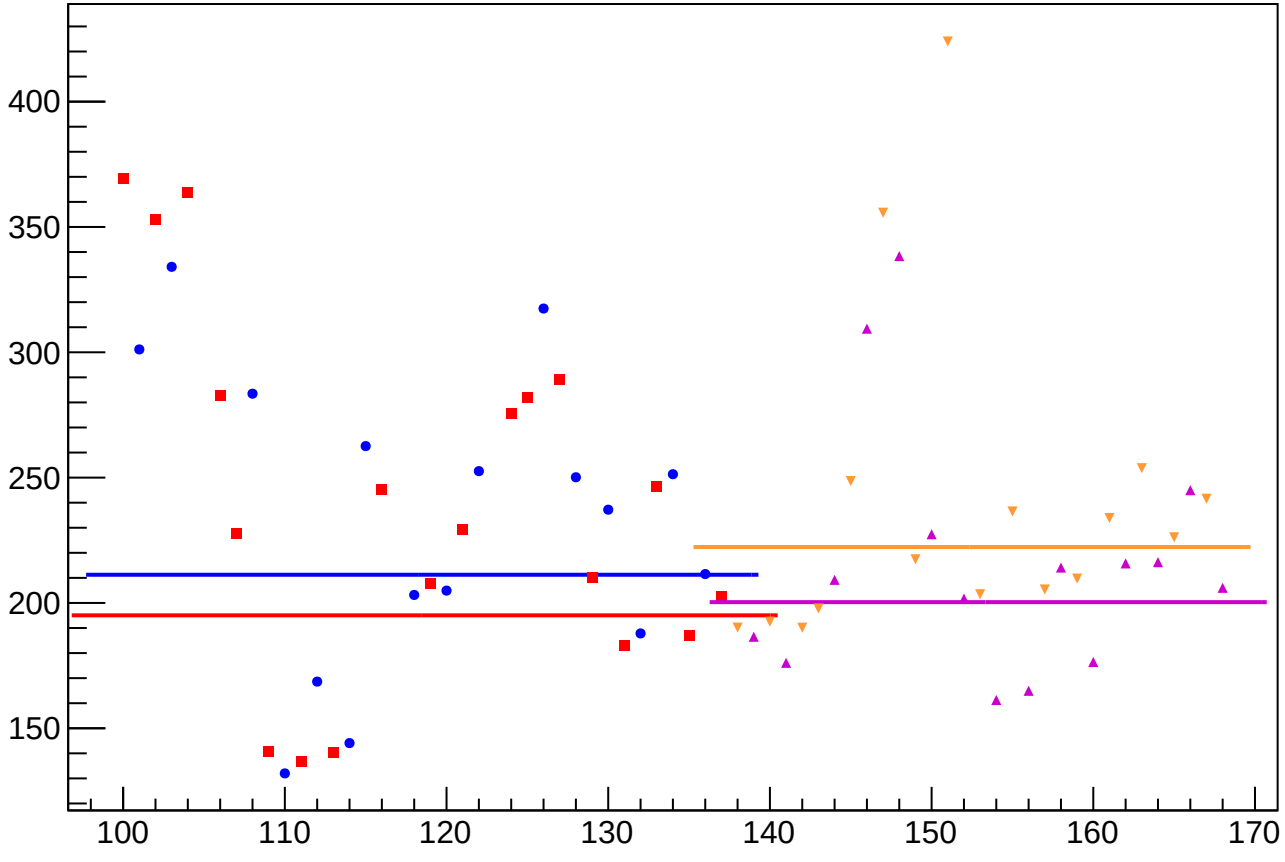
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 313.119+/-48.001 χ^2/NDF:1381.0/30

Out: 93.095+/-49.173 χ^2/NDF:2032.6/34

All: 205.761+/-34.349 χ^2/NDF: 3423.9/65

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 222.313+/-0.046 χ^2/NDF:819102.0/15

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 200.321+/-0.042 χ^2/NDF:830337.4/14

Left: 210.342+/-0.031 χ^2/NDF: 1775961.1/30

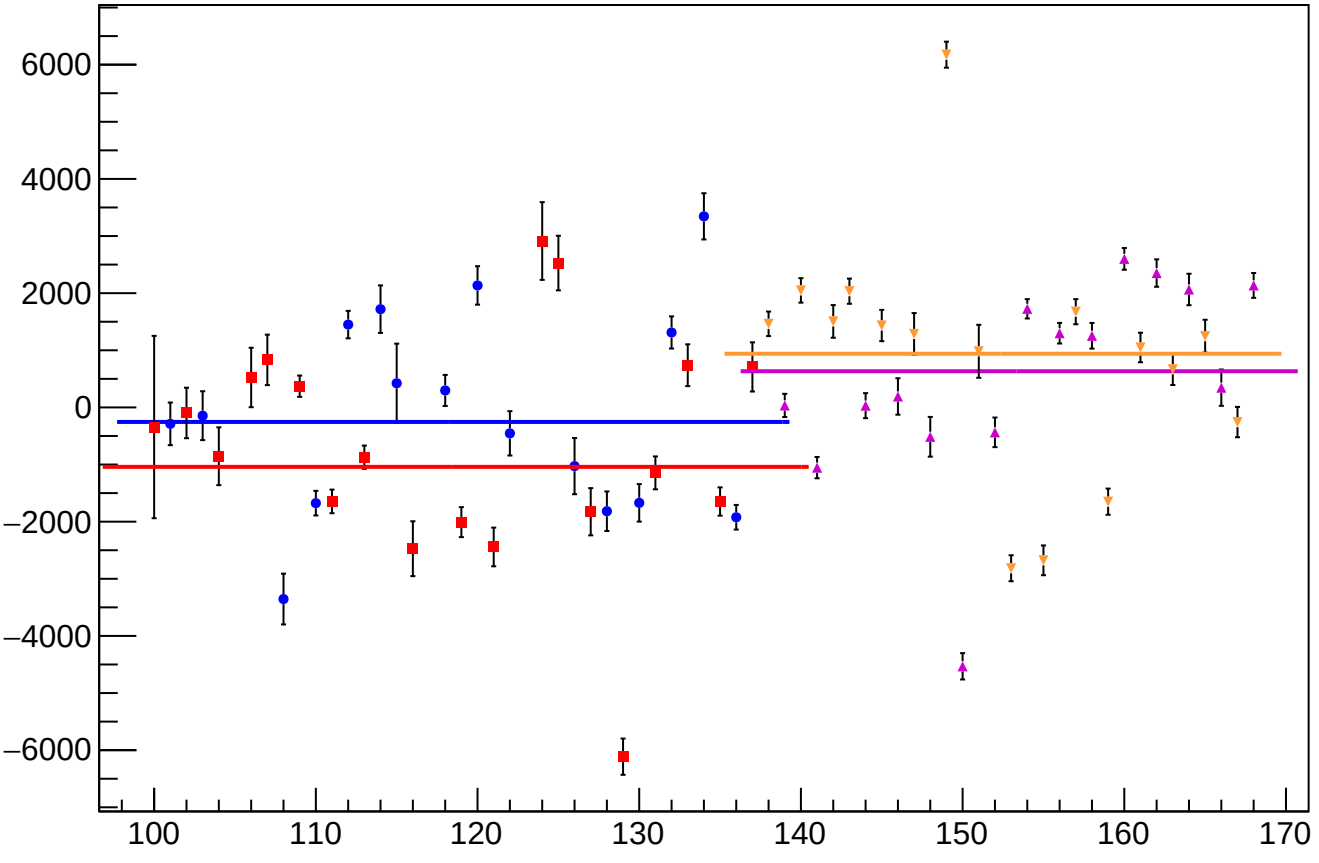
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 204.023+/-0.034 χ^2/NDF:1737935.4/30

Out: 210.895+/-0.035 χ^2/NDF:2253517.0/34

All: 207.376+/-0.024 χ^2/NDF: 4011456.7/65

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 939.434+/-63.342 χ^2/NDF:1220.4/15

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 633.489+/-57.727 χ^2/NDF:926.0/14

Left: 772.305+/-42.666 χ^2/NDF: 2159.1/30

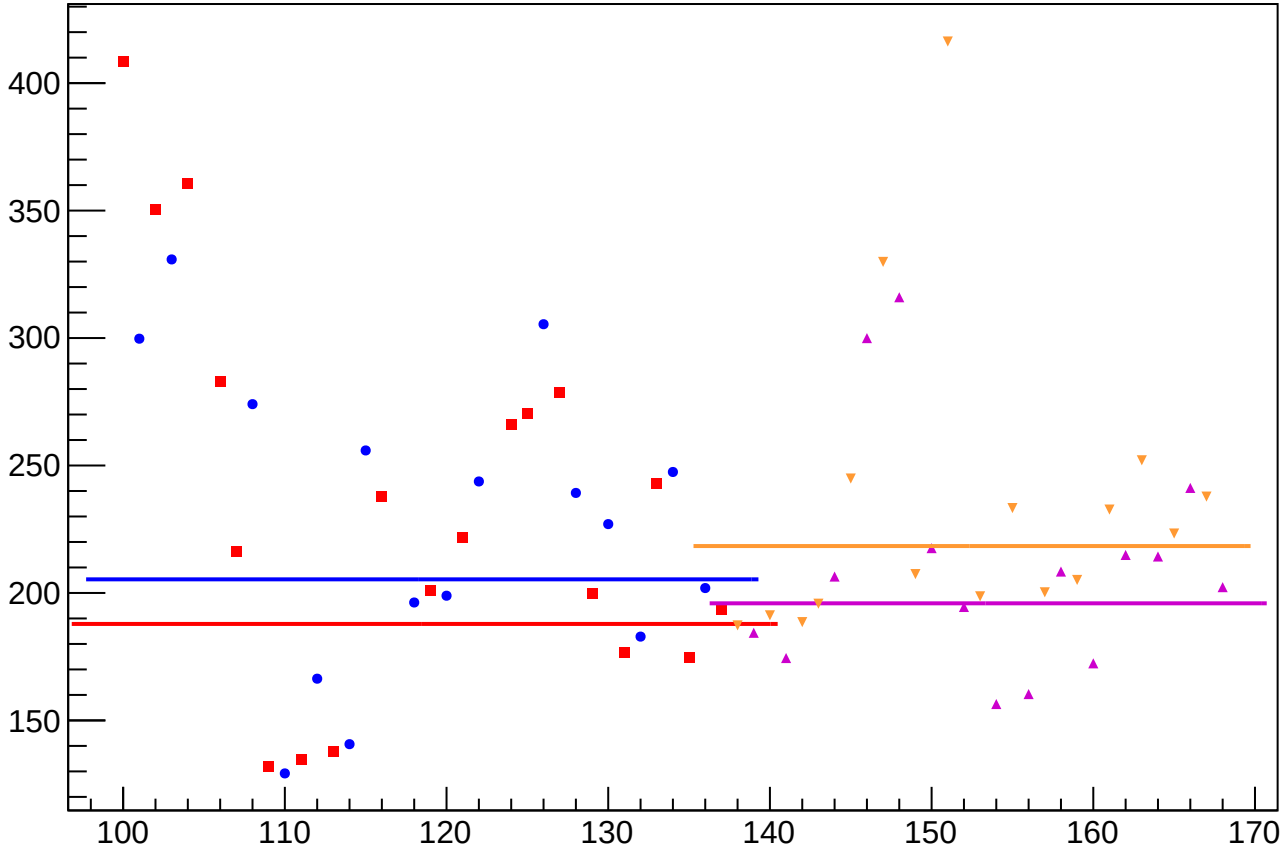
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 330.703+/-46.857 χ^2/NDF:1438.7/30

Out: 93.894+/-47.944 χ^2/NDF:2171.0/34

All: 215.014+/-33.510 χ^2/NDF: 3622.2/65

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 218.400+/-0.045 χ^2/NDF:779296.5/15

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 195.937+/-0.041 χ^2/NDF:793226.9/14

Left: 206.129+/-0.030 χ^2/NDF: 1709925.5/30

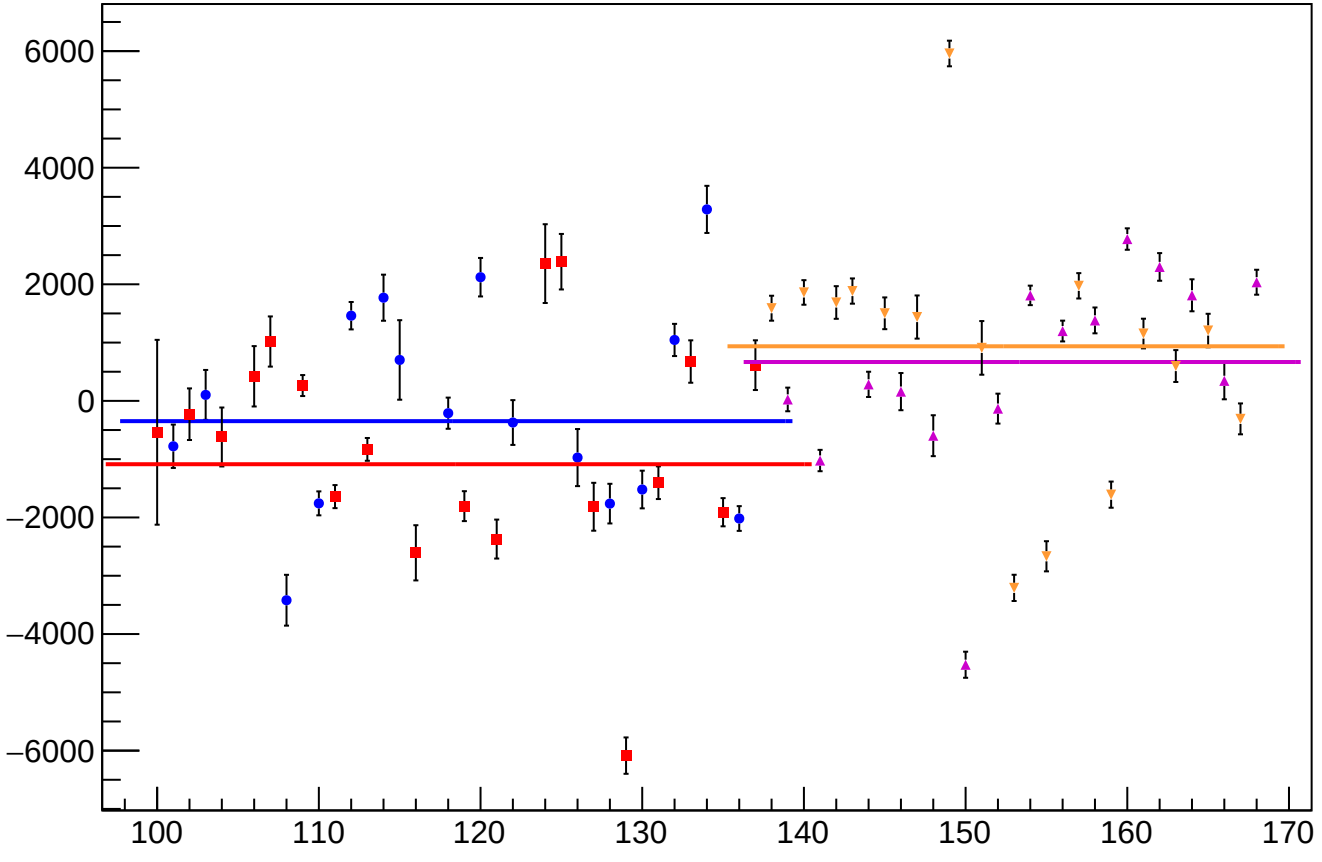
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 199.145+/-0.033 χ^2/NDF:1688732.6/30

Out: 205.352+/-0.034 χ^2/NDF:2315065.1/34

All: 202.178+/-0.024 χ^2/NDF: 4020939.8/65

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 936.474+/-62.572 χ^2/NDF:1292.2/15

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 666.787+/-56.944 χ^2/NDF:965.8/14

Left: 788.960+/-42.115 χ^2/NDF: 2268.2/30

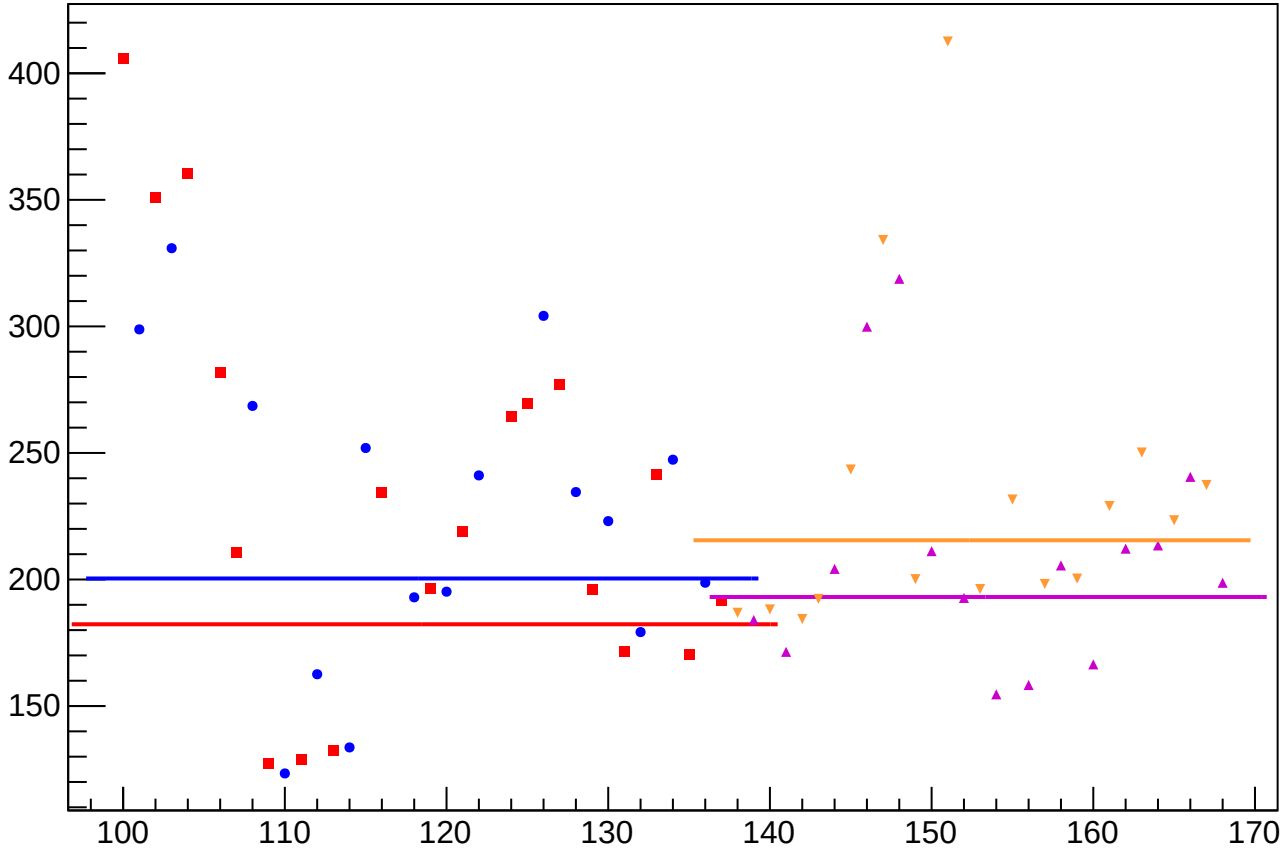
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 317.410+/-46.108 χ^2/NDF:1520.9/30

Out: 59.583+/-47.098 χ^2/NDF:2272.5/34

All: 191.237+/-32.948 χ^2/NDF: 3808.7/65

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 215.494+/-0.044 χ^2/NDF:816885.2/15

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 193.089+/-0.040 χ^2/NDF:831428.7/14

Left: 203.239+/-0.030 χ^2/NDF: 1788573.9/30

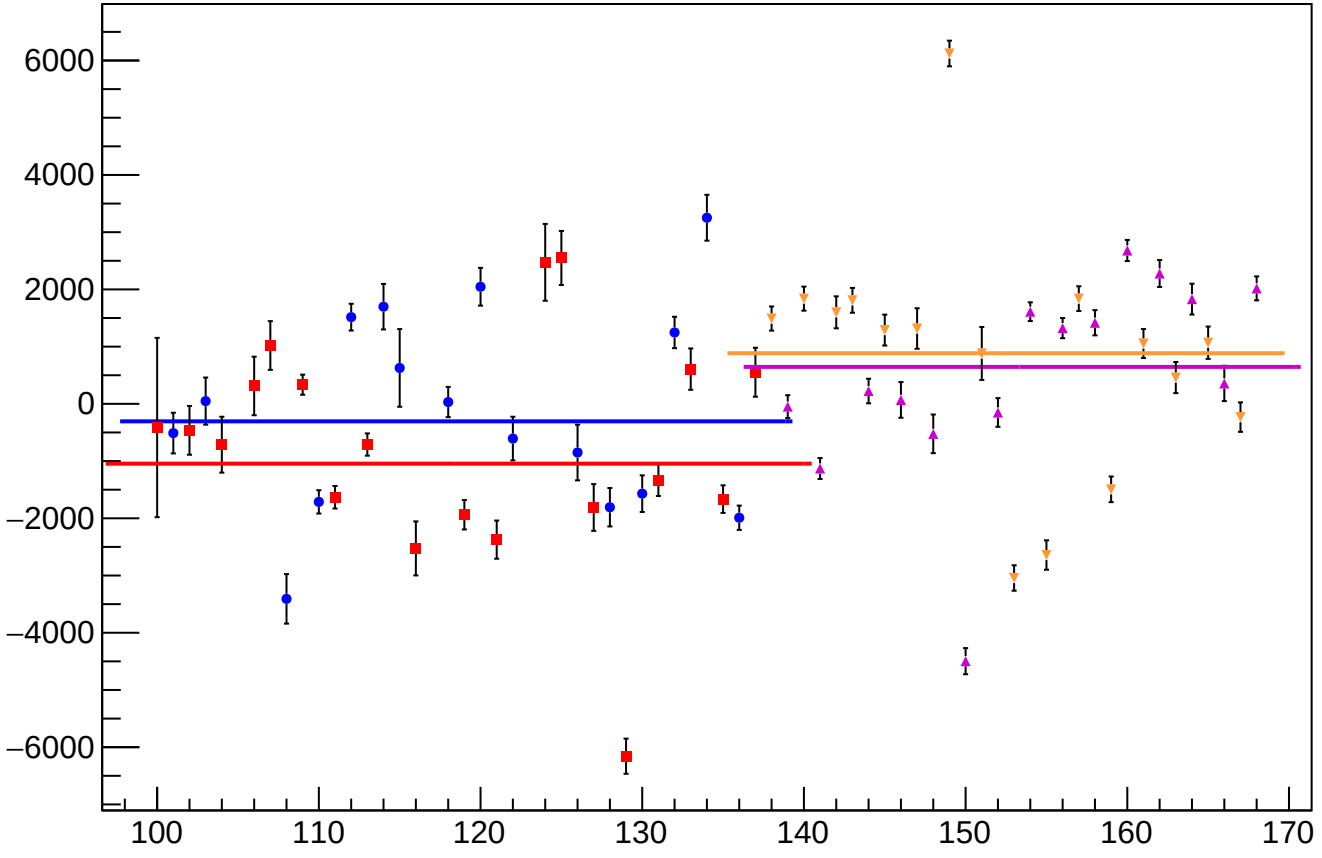
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.607+/-0.033 χ^2/NDF:1801779.1/30

Out: 201.107+/-0.033 χ^2/NDF:2508018.2/34

All: 198.298+/-0.023 χ^2/NDF: 4323727.9/65

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 884.374+/-62.158 χ^2/NDF:1256.5/15

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 646.264+/-56.311 χ^2/NDF:937.6/14

Left: 753.595+/-41.732 χ^2/NDF: 2202.1/30

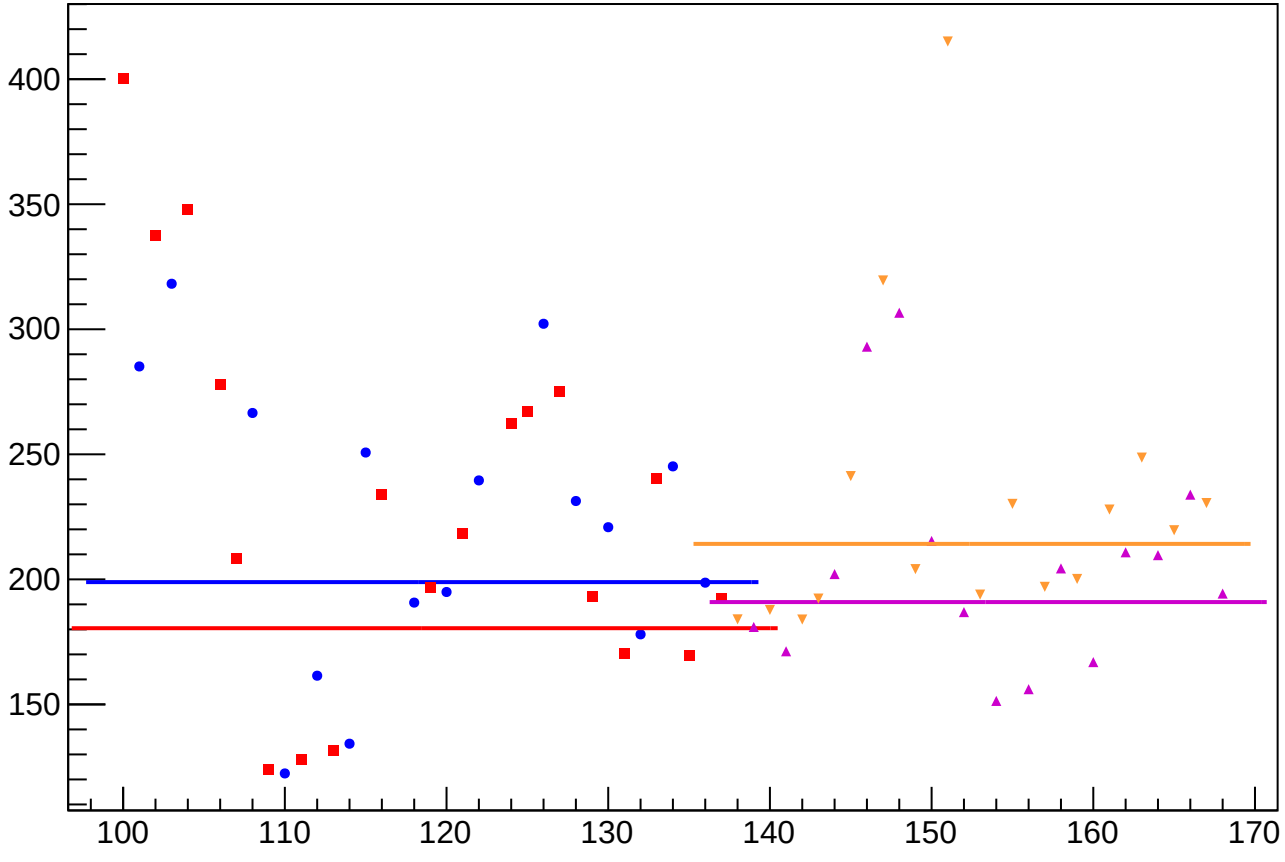
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 319.396+/-45.630 χ^2/NDF:1487.5/30

Out: 44.817+/-46.717 χ^2/NDF:2227.9/34

All: 185.339+/-32.643 χ^2/NDF: 3733.1/65

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.188+/-0.044 χ^2/NDF:785782.8/15

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 190.921+/-0.040 χ^2/NDF:805324.2/14

Left: 201.409+/-0.030 χ^2/NDF: 1745023.3/30

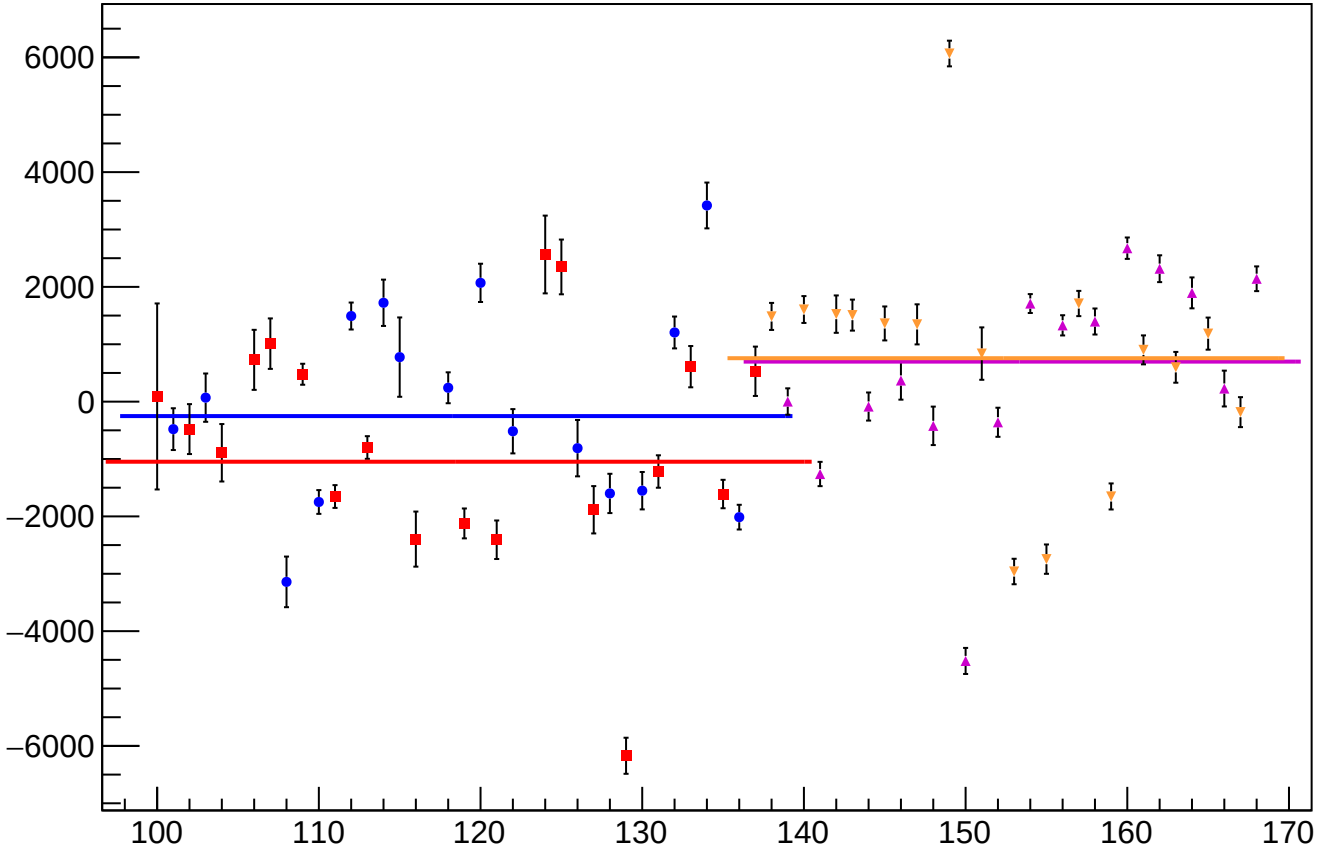
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.661+/-0.032 χ^2/NDF:1731888.2/30

Out: 199.518+/-0.033 χ^2/NDF:2476245.2/34

All: 196.521+/-0.023 χ^2/NDF: 4224218.7/65

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 757.117+/-65.040 χ^2/NDF:1220.8/15

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 697.508+/-58.537 χ^2/NDF:949.7/14

Left: 724.185+/-43.510 χ^2/NDF: 2170.9/30

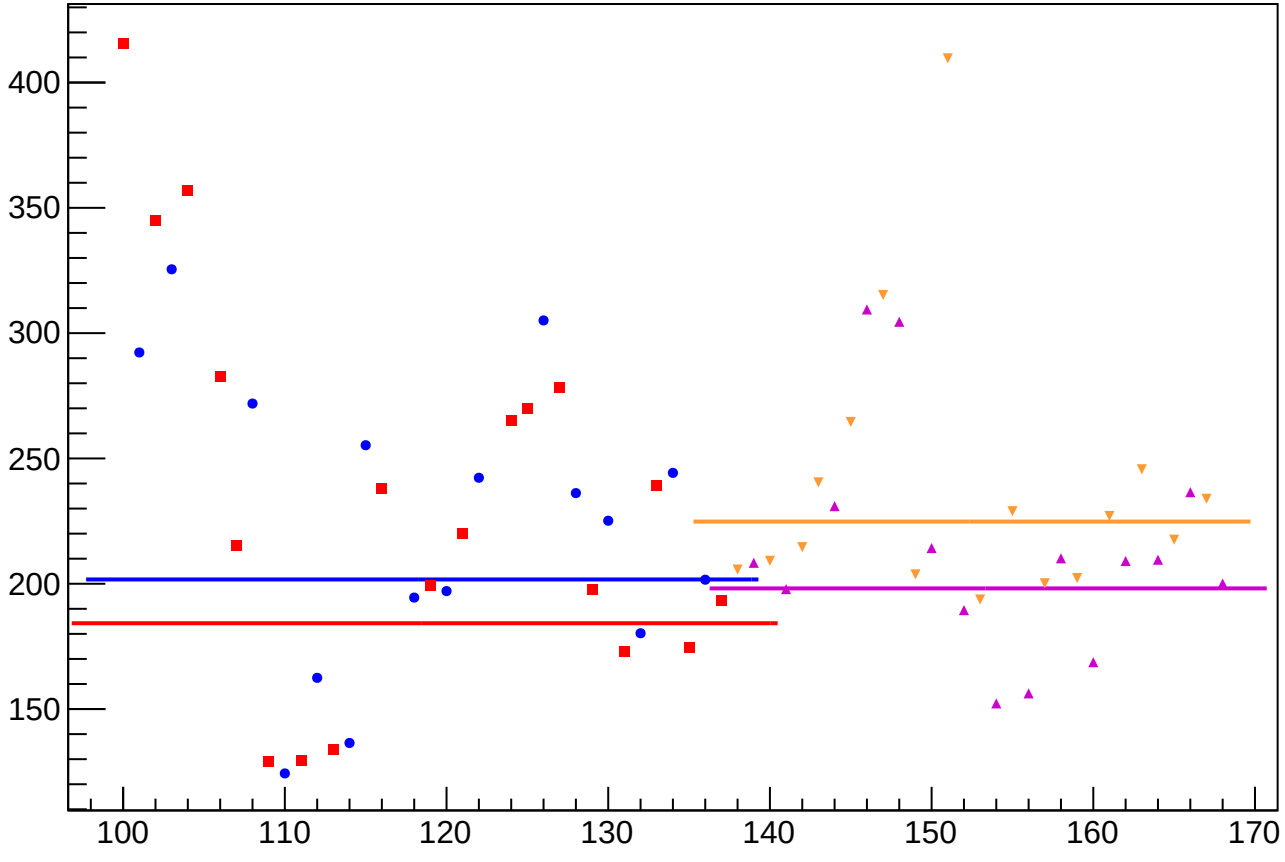
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 360.893+/-47.027 χ^2/NDF:1484.2/30

Out: -51.262+/-48.321 χ^2/NDF:2112.3/34

All: 160.407+/-33.701 χ^2/NDF: 3633.9/65

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.808+/-0.046 χ^2/NDF:646686.6/15

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 198.143+/-0.041 χ^2/NDF:837885.1/14

Left: 210.076+/-0.031 χ^2/NDF: 1670291.0/30

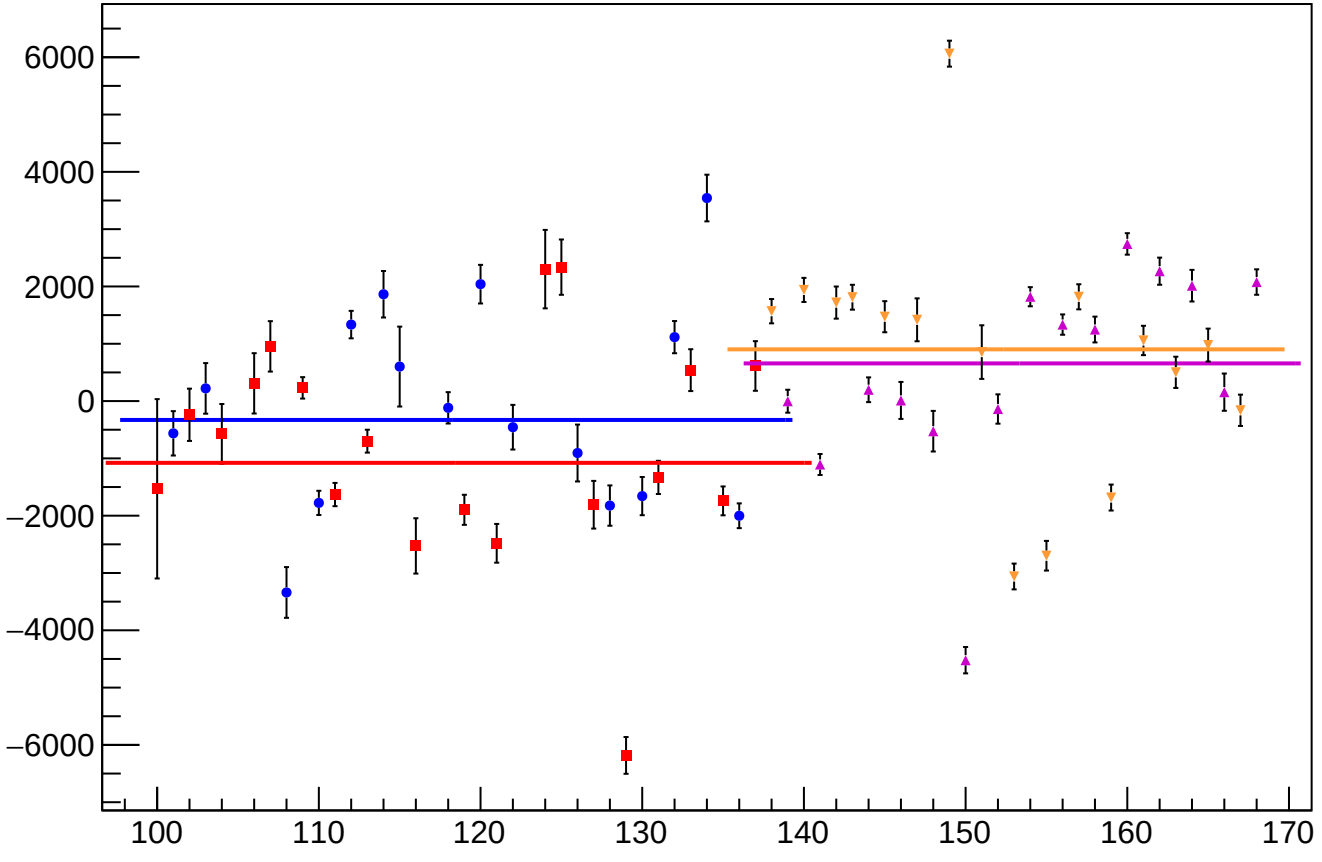
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 199.409+/-0.033 χ^2/NDF:1764733.3/30

Out: 206.634+/-0.034 χ^2/NDF:2399001.1/34

All: 202.923+/-0.024 χ^2/NDF: 4186693.4/65

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 902.625+/-62.891 χ^2/NDF:1254.3/15

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 657.259+/-57.307 χ^2/NDF:947.3/14

Left: 768.567+/-42.359 χ^2/NDF: 2209.9/30

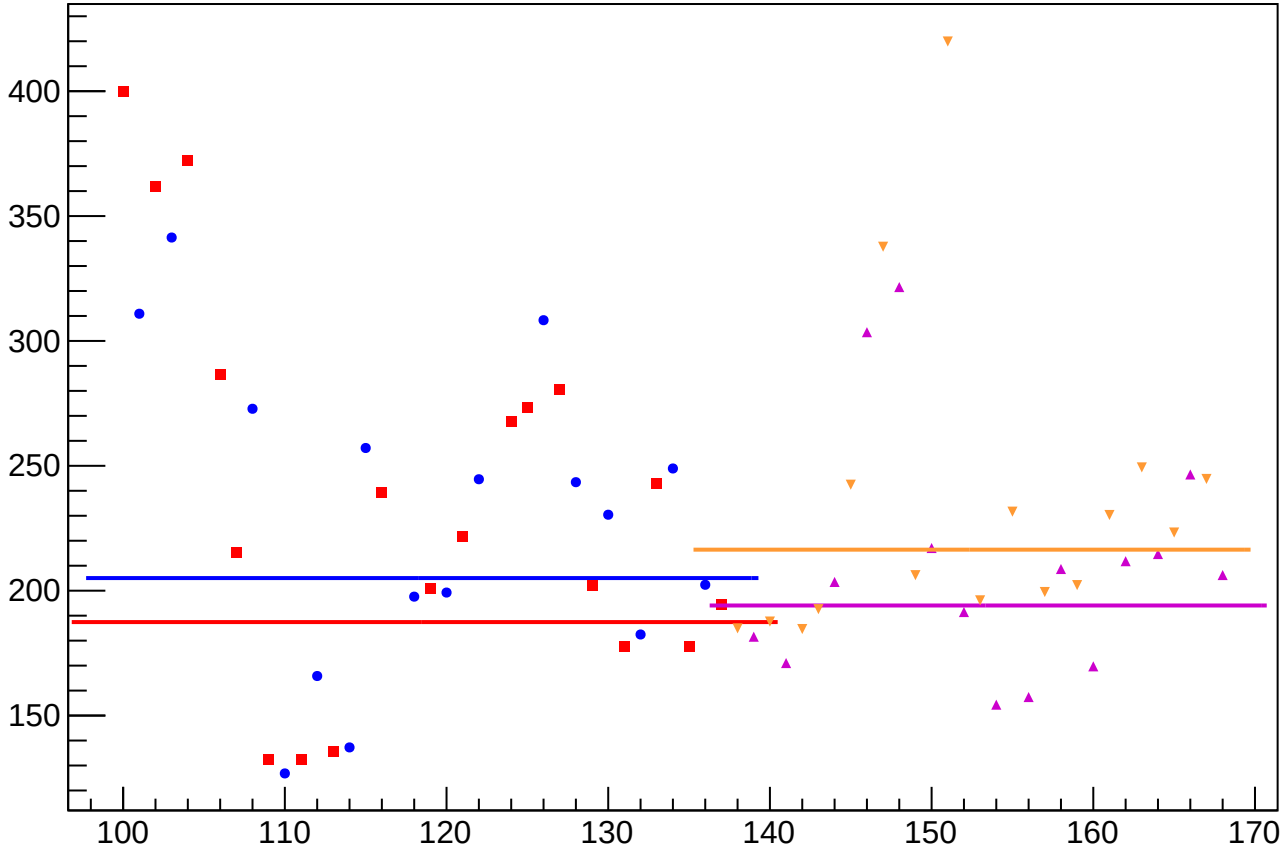
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 324.693+/-46.659 χ^2/NDF:1483.7/30

Out: 64.240+/-47.759 χ^2/NDF:2176.0/34

All: 197.499+/-33.375 χ^2/NDF: 3674.9/65

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 216.427+/-0.044 χ^2/NDF:842583.9/15

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 194.074+/-0.041 χ^2/NDF:873563.7/14

Left: 204.214+/-0.030 χ^2/NDF: 1854187.2/30

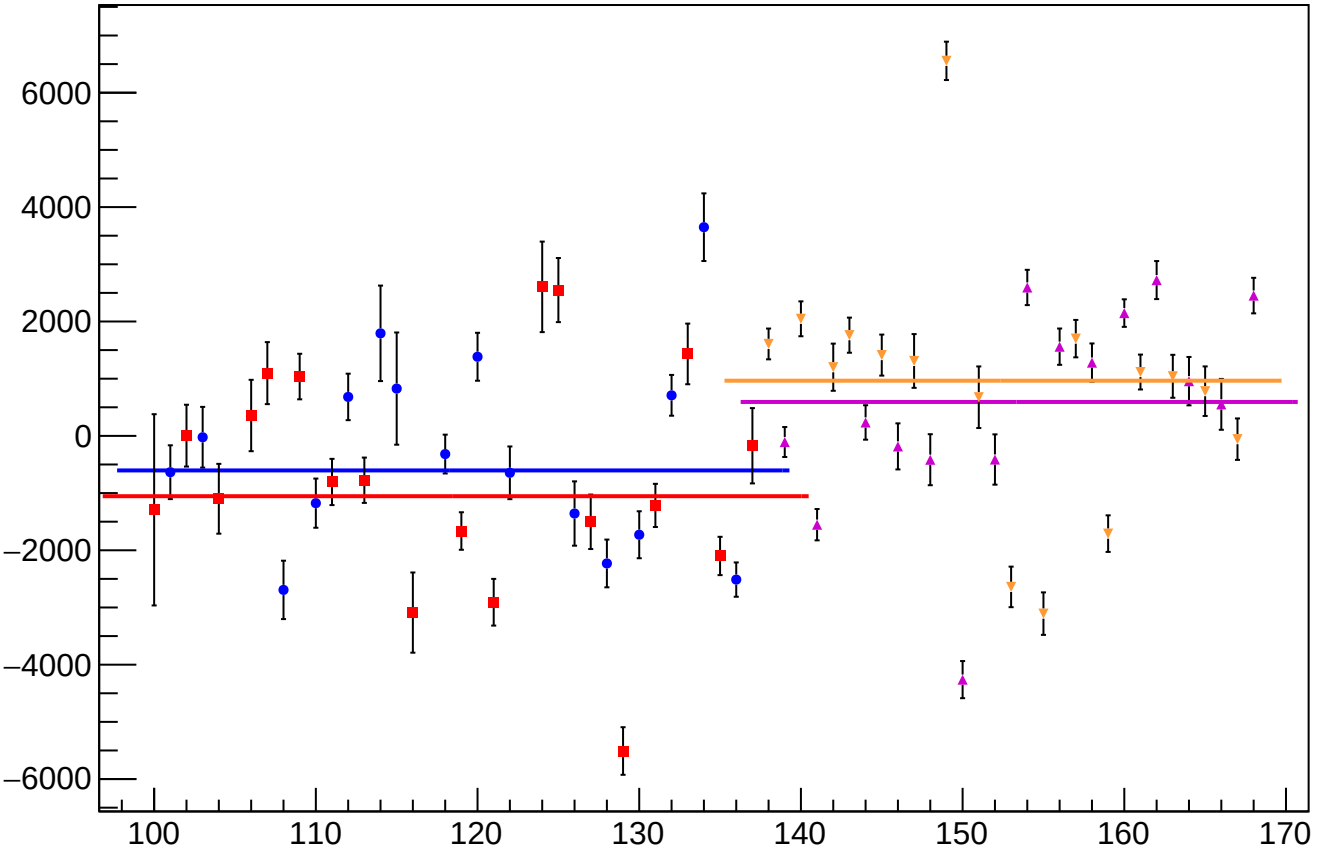
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.775+/-0.033 χ^2/NDF:1861358.5/30

Out: 204.153+/-0.034 χ^2/NDF:2433353.6/34

All: 200.889+/-0.024 χ^2/NDF: 4312961.0/65

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.116+/-87.432 χ^2/NDF:612.7/15

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 593.197+/-84.091 χ^2/NDF:482.6/14

Left: 771.916+/-60.608 χ^2/NDF: 1104.7/30

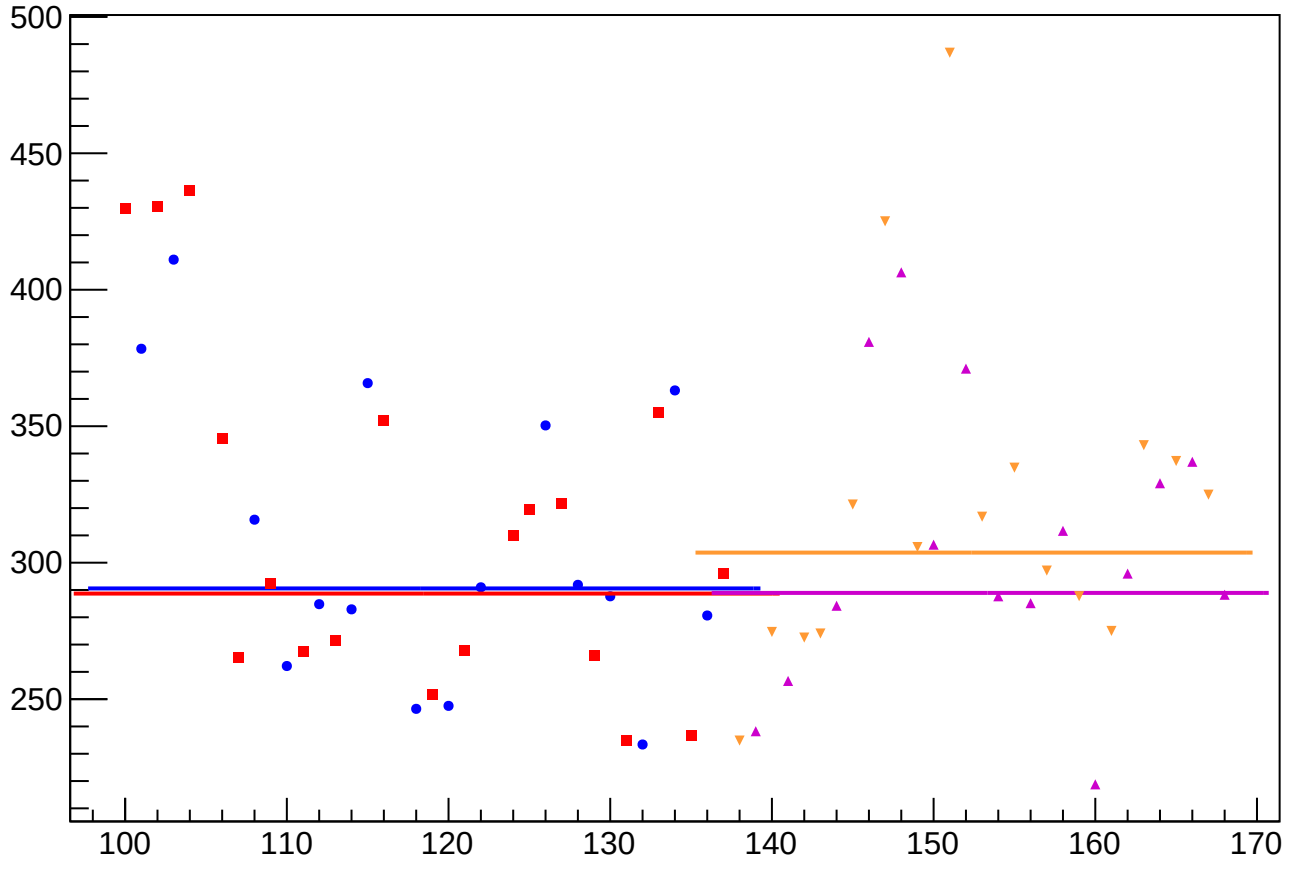
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 155.159+/-66.960 χ^2/NDF:750.3/30

Out: 167.868+/-68.020 χ^2/NDF:1121.0/34

All: 161.414+/-47.719 χ^2/NDF: 1871.3/65

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.699+/-0.062 χ^2/NDF:629991.5/15

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 288.929+/-0.059 χ^2/NDF:643131.1/14

Left: 296.026+/-0.043 χ^2/NDF: 1302770.1/30

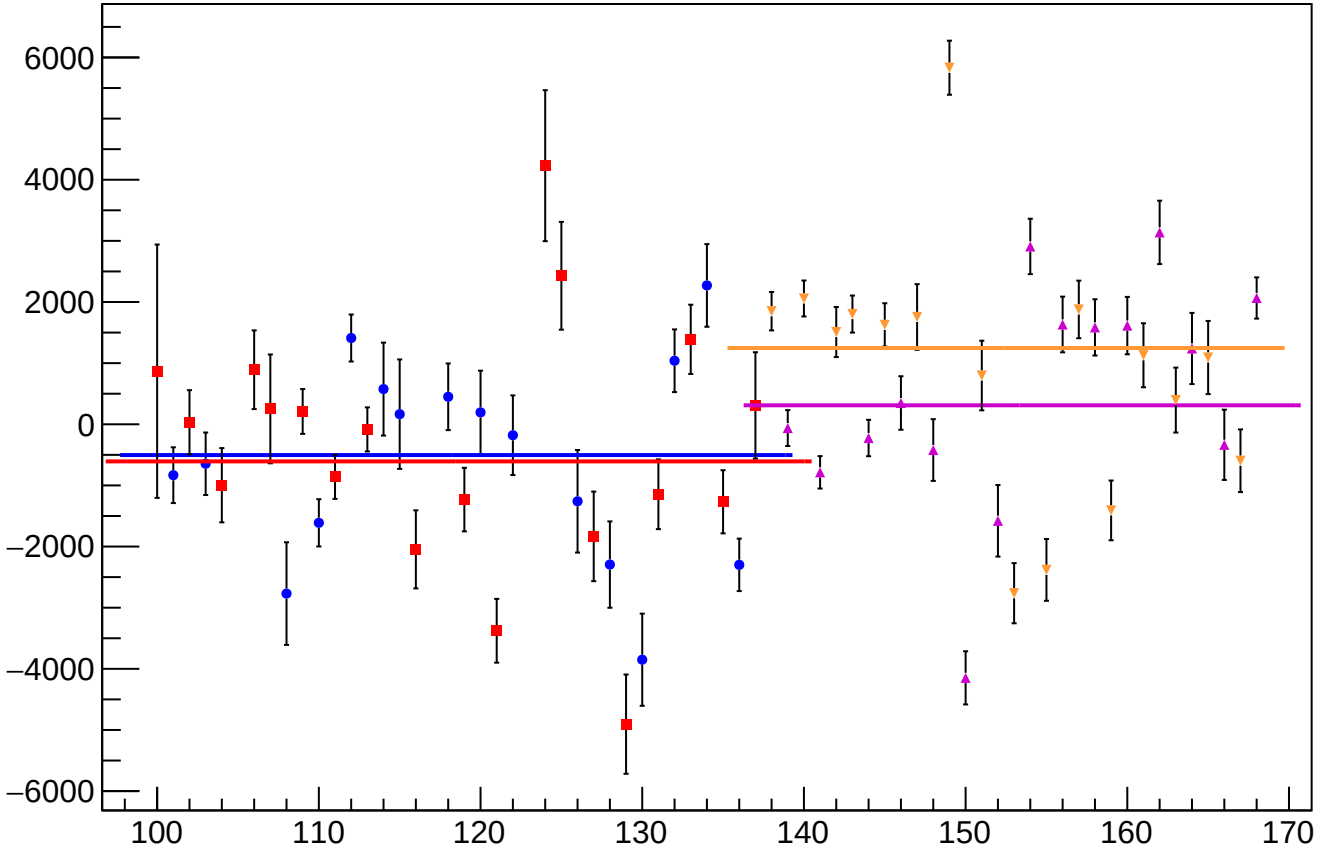
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.528+/-0.047 χ^2/NDF:1003215.6/30

Out: 297.772+/-0.048 χ^2/NDF:1142362.7/34

All: 293.586+/-0.034 χ^2/NDF: 2160499.5/65

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1247.358+/-106.148 χ^2/NDF:290.0/15

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 310.444+/-104.318 χ^2/NDF:256.9/14

Left: 770.753+/-74.403 χ^2/NDF: 586.6/30

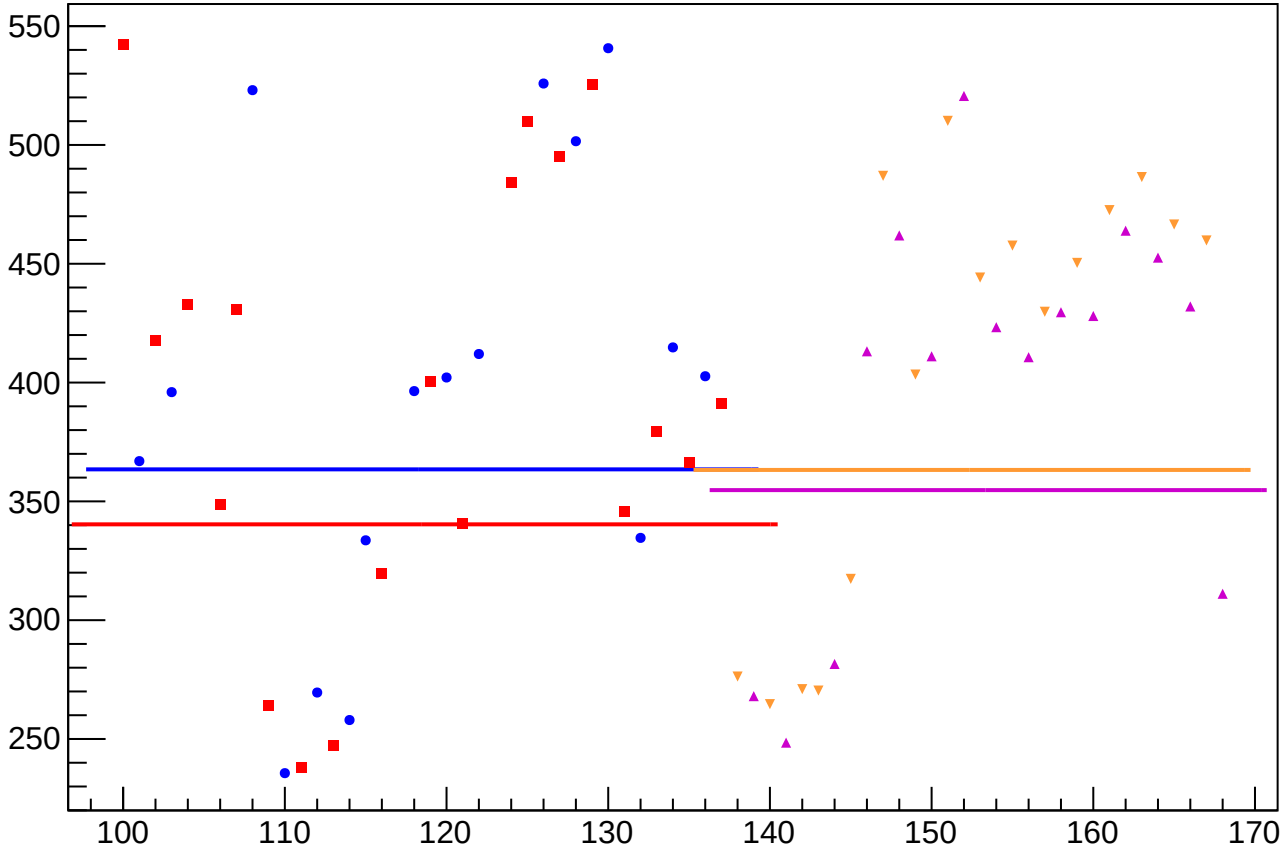
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: 19.956+/-83.662 χ^2/NDF:396.9/30

Out: 502.945+/-82.122 χ^2/NDF:537.7/34

All: 265.937+/-58.606 χ^2/NDF: 951.5/65

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 363.230+/-0.075 χ^2/NDF:1510071.8/15

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 354.738+/-0.074 χ^2/NDF:1329071.5/14

Left: 358.910+/-0.053 χ^2/NDF: 2845653.9/30

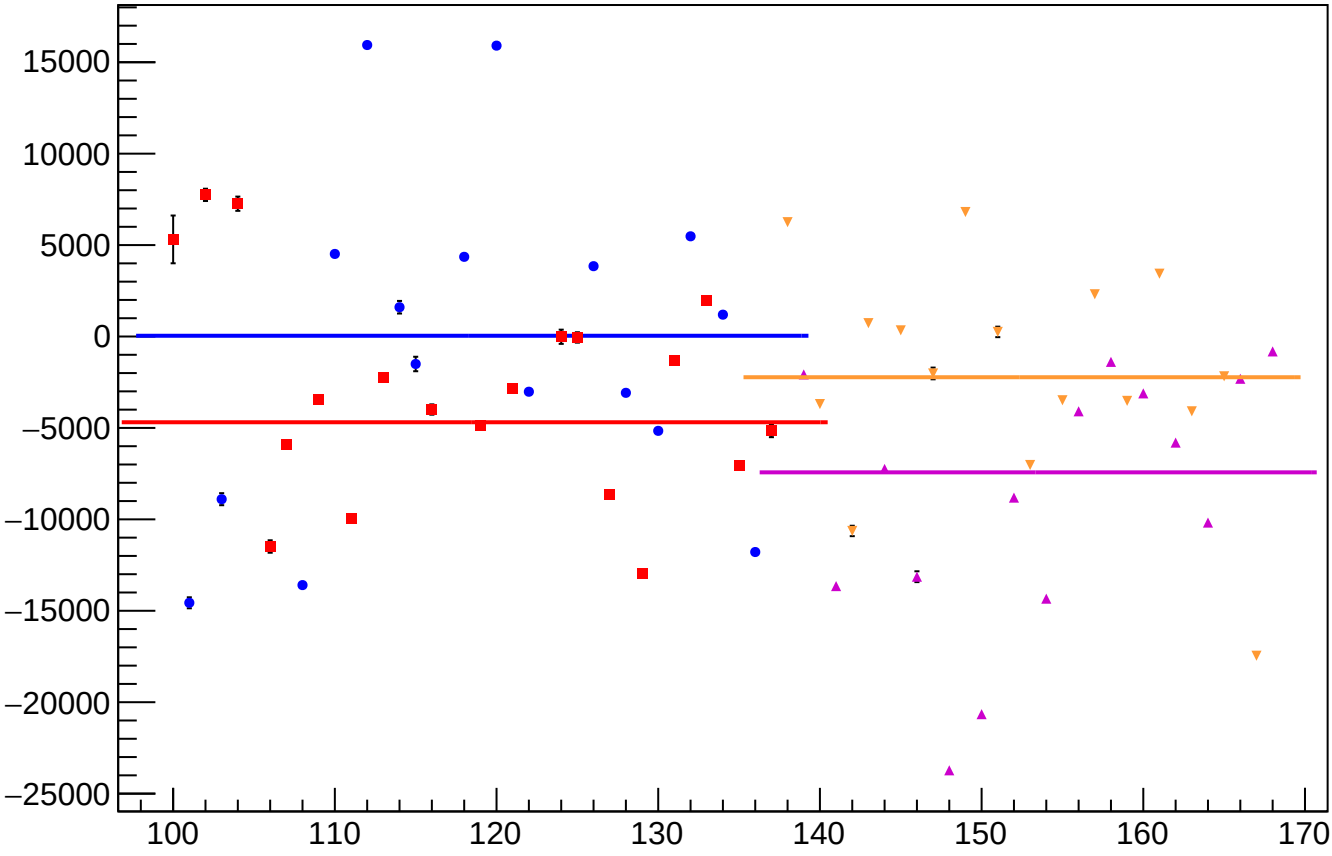
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 357.854+/-0.059 χ^2/NDF:2114965.5/30

Out: 354.037+/-0.058 χ^2/NDF:2403664.7/34

All: 355.910+/-0.041 χ^2/NDF: 4520750.5/65

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2227.370+/-48.902 χ^2/NDF:13950.0/15

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7429.273+/-49.502 χ^2/NDF:16829.8/14

Left: -4796.593+/-34.789 χ^2/NDF: 36368.6/30

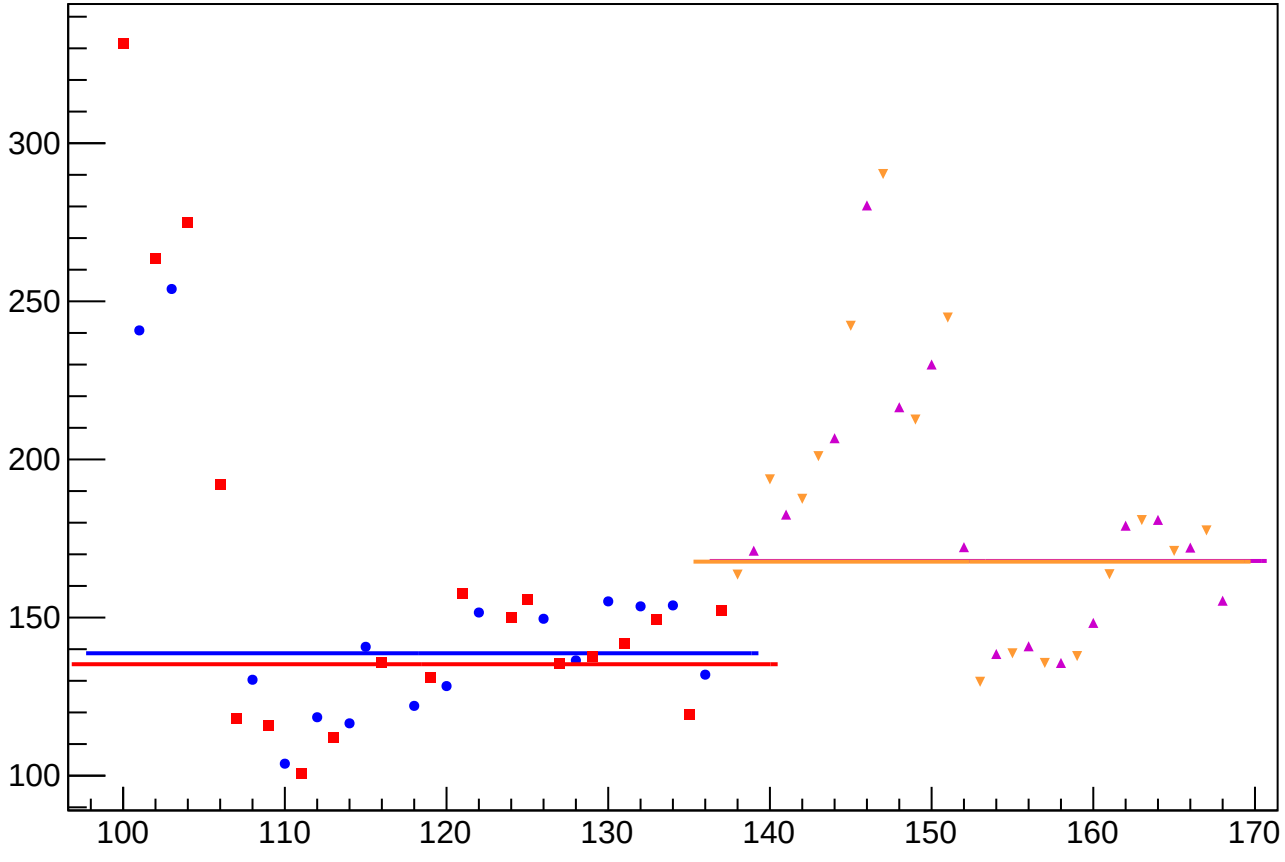
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4031.808+/-36.551 χ^2/NDF:57973.3/30

Out: -3380.768+/-35.654 χ^2/NDF:22933.3/34

All: -3698.203+/-25.523 χ^2/NDF: 81069.1/65

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.683+/-0.035 χ^2/NDF:1142937.2/15

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.897+/-0.035 χ^2/NDF:858469.1/14

Left: 167.789+/-0.025 χ^2/NDF: 2001425.3/30

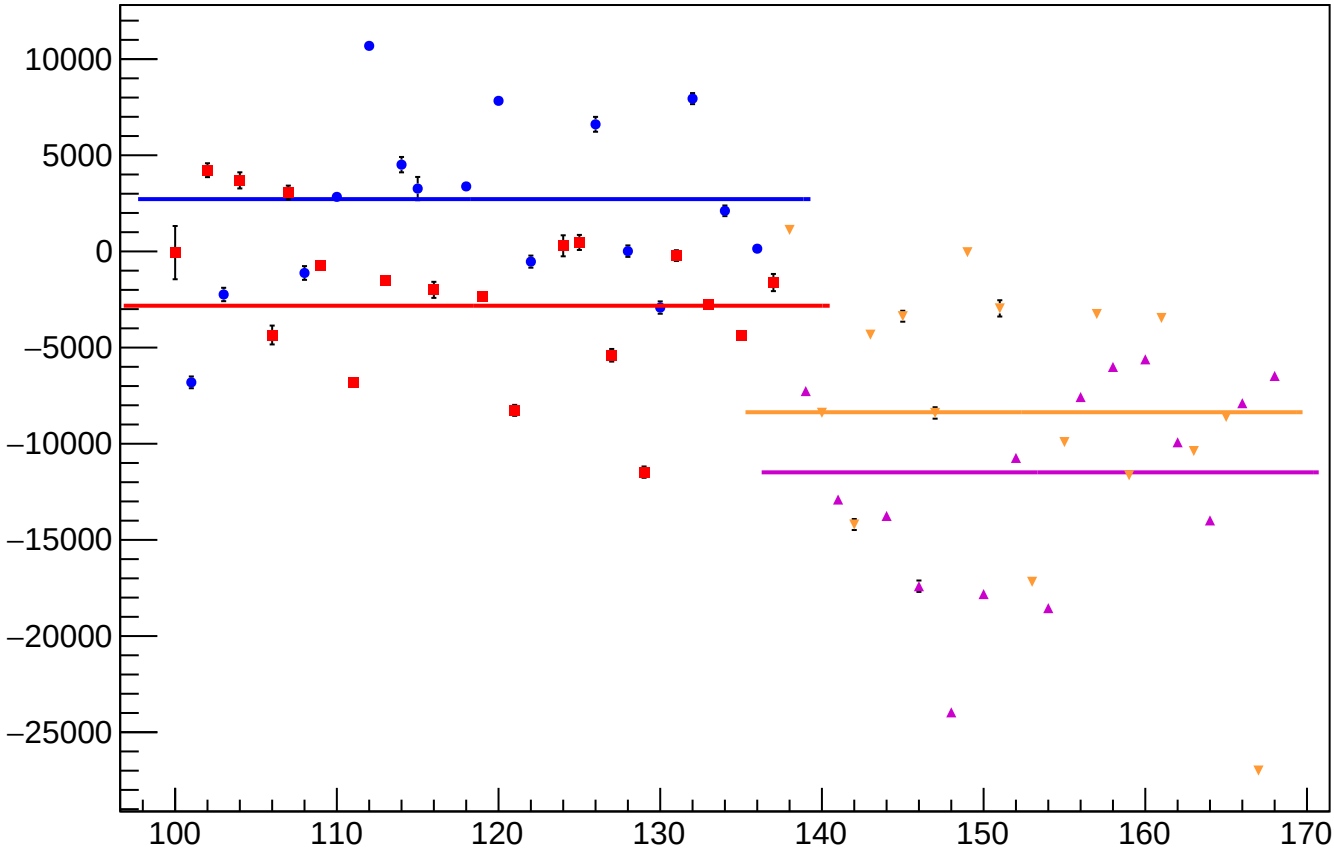
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.624+/-0.026 χ^2/NDF:1832443.5/30

Out: 152.488+/-0.025 χ^2/NDF:2445155.6/34

All: 153.530+/-0.018 χ^2/NDF: 4281097.0/65

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8360.995+/-57.492 χ^2/NDF:15638.3/15

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11487.301+/-52.003 χ^2/NDF:10196.1/14

Left: -10080.474+/-38.566 χ^2/NDF: 27460.8/30

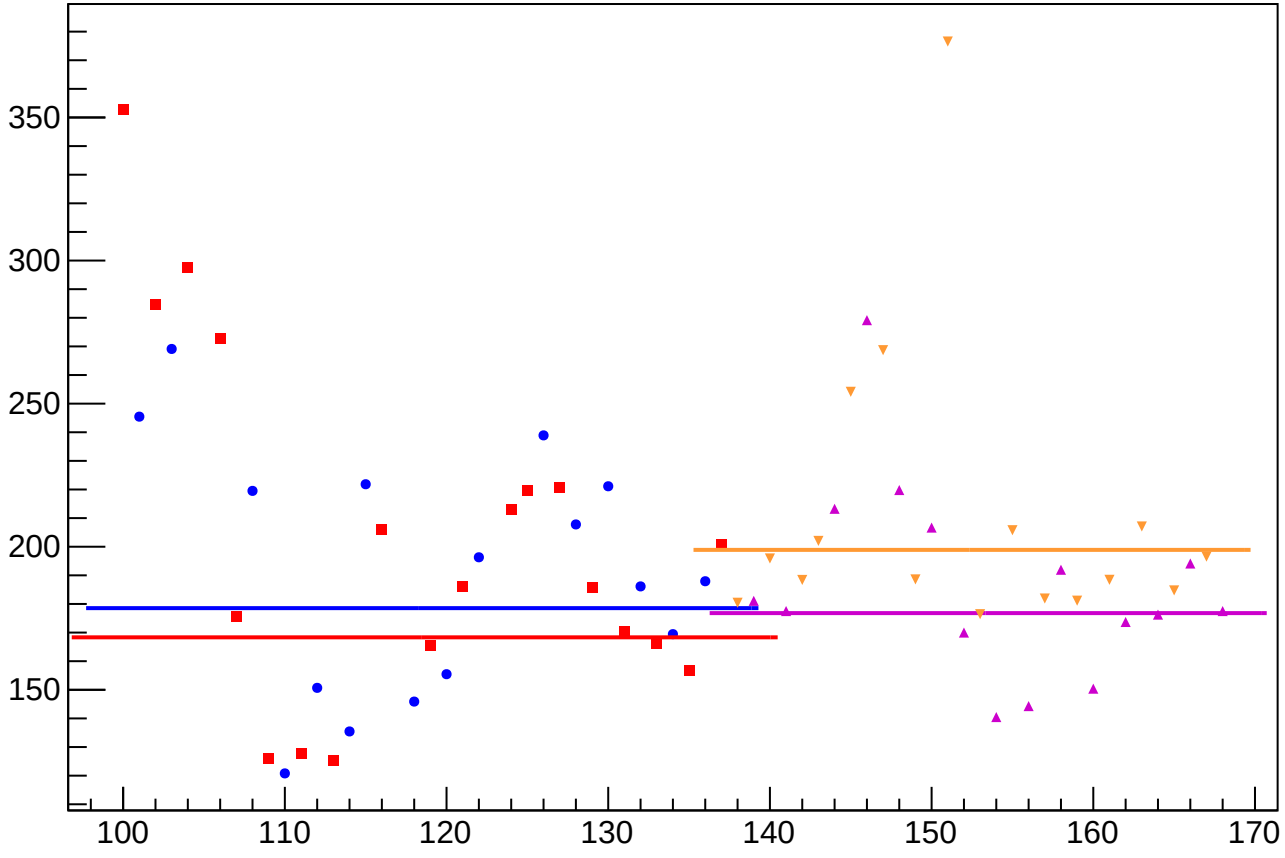
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6364.196+/-41.583 χ^2/NDF:41240.0/30

Out: -5924.191+/-43.020 χ^2/NDF:22783.4/34

All: -6151.667+/-29.899 χ^2/NDF: 64077.6/65

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.898+/-0.041 χ^2/NDF:633316.9/15

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.803+/-0.037 χ^2/NDF:657411.9/14

Left: 186.746+/-0.027 χ^2/NDF: 1453205.7/30

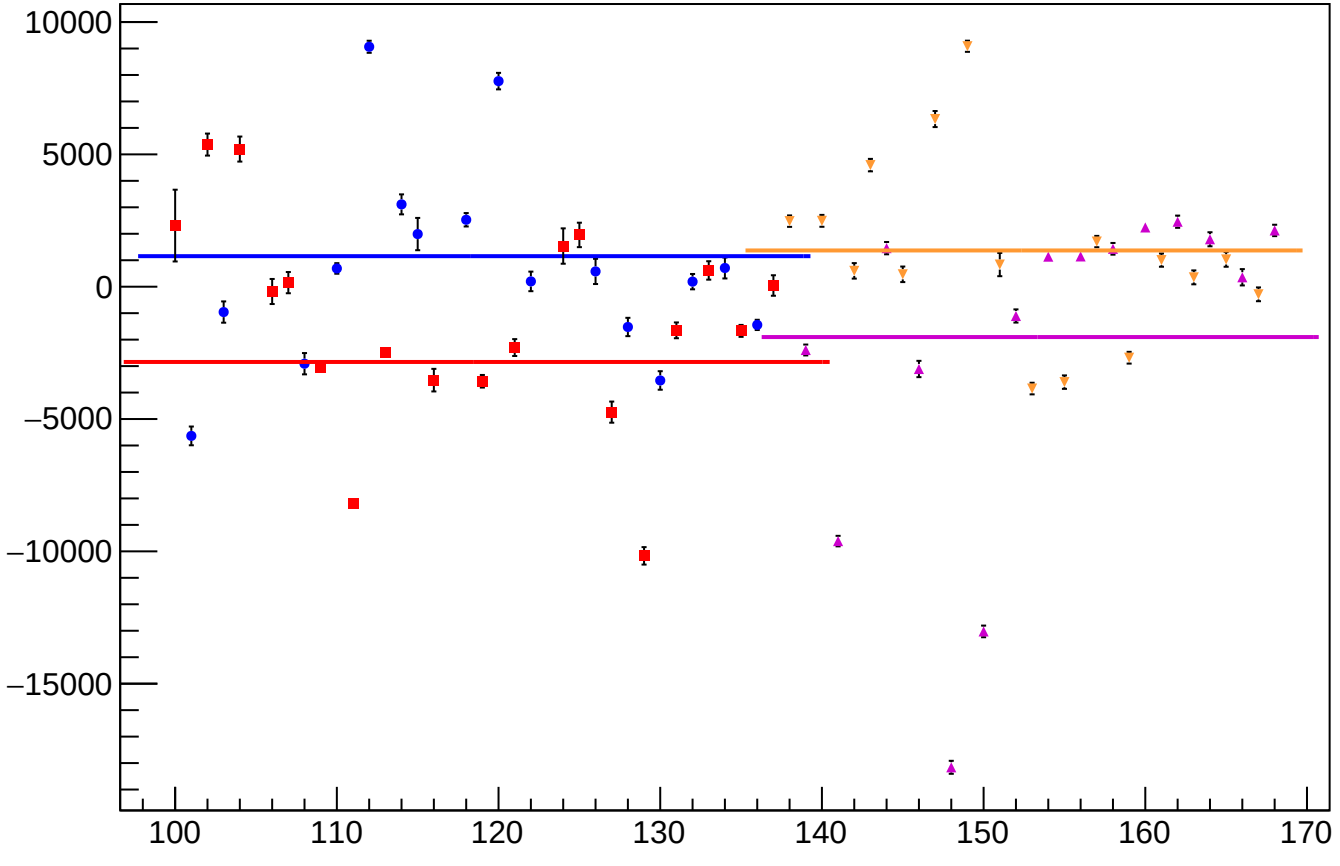
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.430+/-0.029 χ^2/NDF:1332783.6/30

Out: 185.448+/-0.030 χ^2/NDF:1861548.2/34

All: 181.303+/-0.021 χ^2/NDF: 3230253.3/65

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1369.543+/-62.355 χ^2/NDF:3202.2/15

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1902.537+/-56.350 χ^2/NDF:11001.5/14

Left: -431.581+/-41.808 χ^2/NDF: 15719.4/30

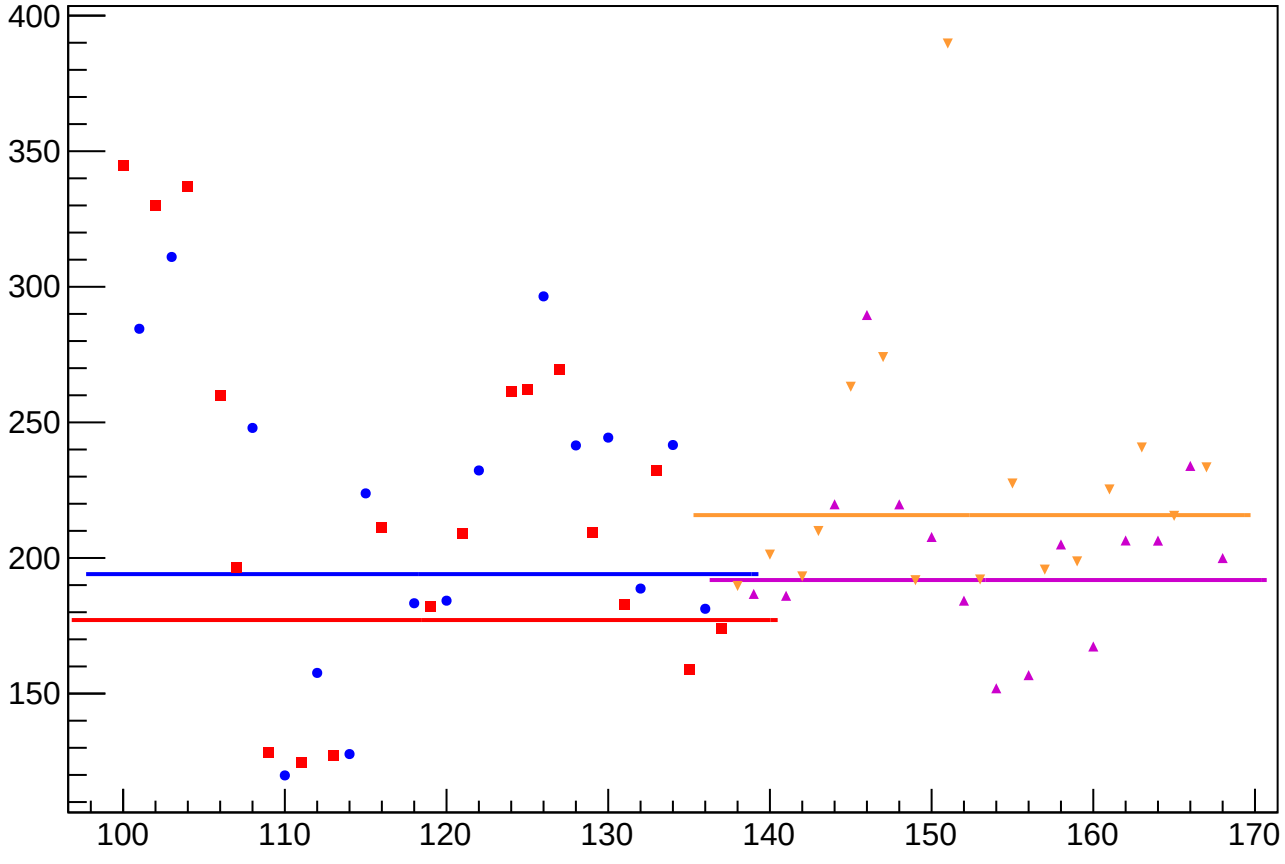
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -817.543+/-45.256 χ^2/NDF:14701.1/30

Out: -520.361+/-46.305 χ^2/NDF:7703.3/34

All: -672.355+/-32.365 χ^2/NDF: 22425.6/65

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.809+/-0.044 χ^2/NDF:602294.4/15

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 191.869+/-0.040 χ^2/NDF:563700.4/14

Left: 202.631+/-0.030 χ^2/NDF: 1328273.6/30

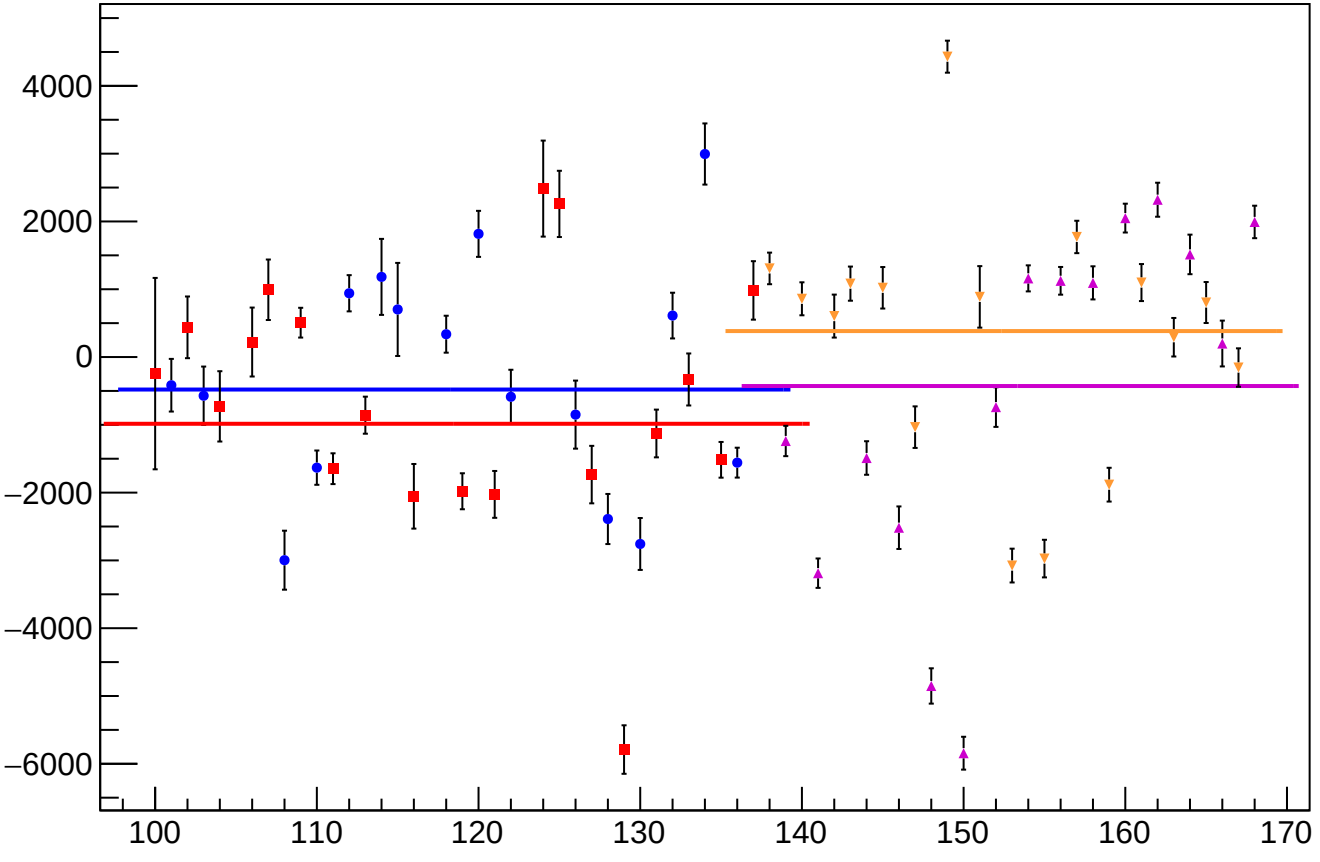
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.644+/-0.032 χ^2/NDF:1530553.3/30

Out: 198.453+/-0.033 χ^2/NDF:2307082.1/34

All: 195.482+/-0.023 χ^2/NDF: 3853733.3/65

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 382.958+/-67.880 χ^2/NDF:816.5/15

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -427.602+/-62.631 χ^2/NDF:1597.3/14

Left: -54.870+/-46.031 χ^2/NDF: 2490.9/30

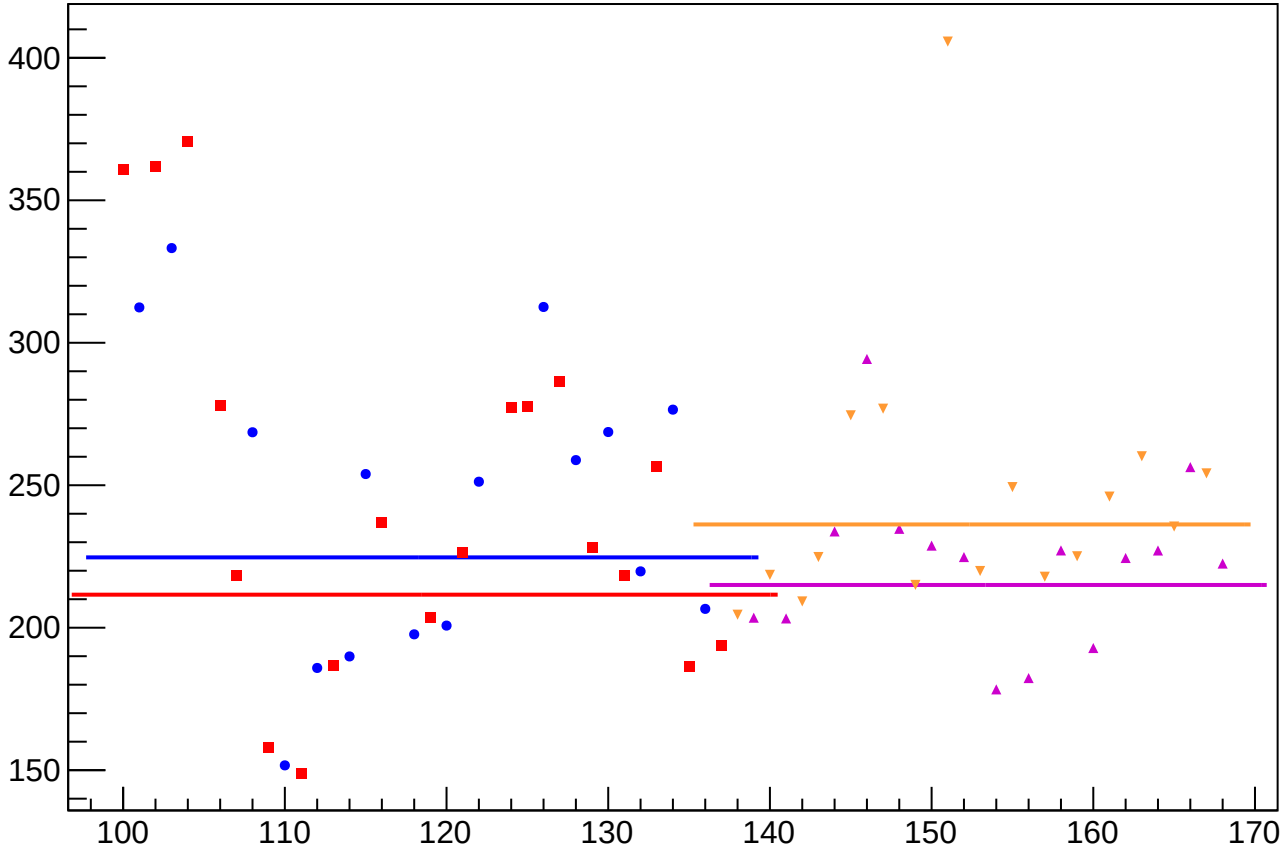
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -445.334+/-50.767 χ^2/NDF:1903.0/30

Out: -181.641+/-52.012 χ^2/NDF:1382.2/34

All: -316.683+/-36.330 χ^2/NDF: 3298.4/65

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 236.243+/-0.048 χ^2/NDF:481286.1/15

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 215.002+/-0.044 χ^2/NDF:359243.2/14

Left: 224.770+/-0.033 χ^2/NDF: 946317.5/30

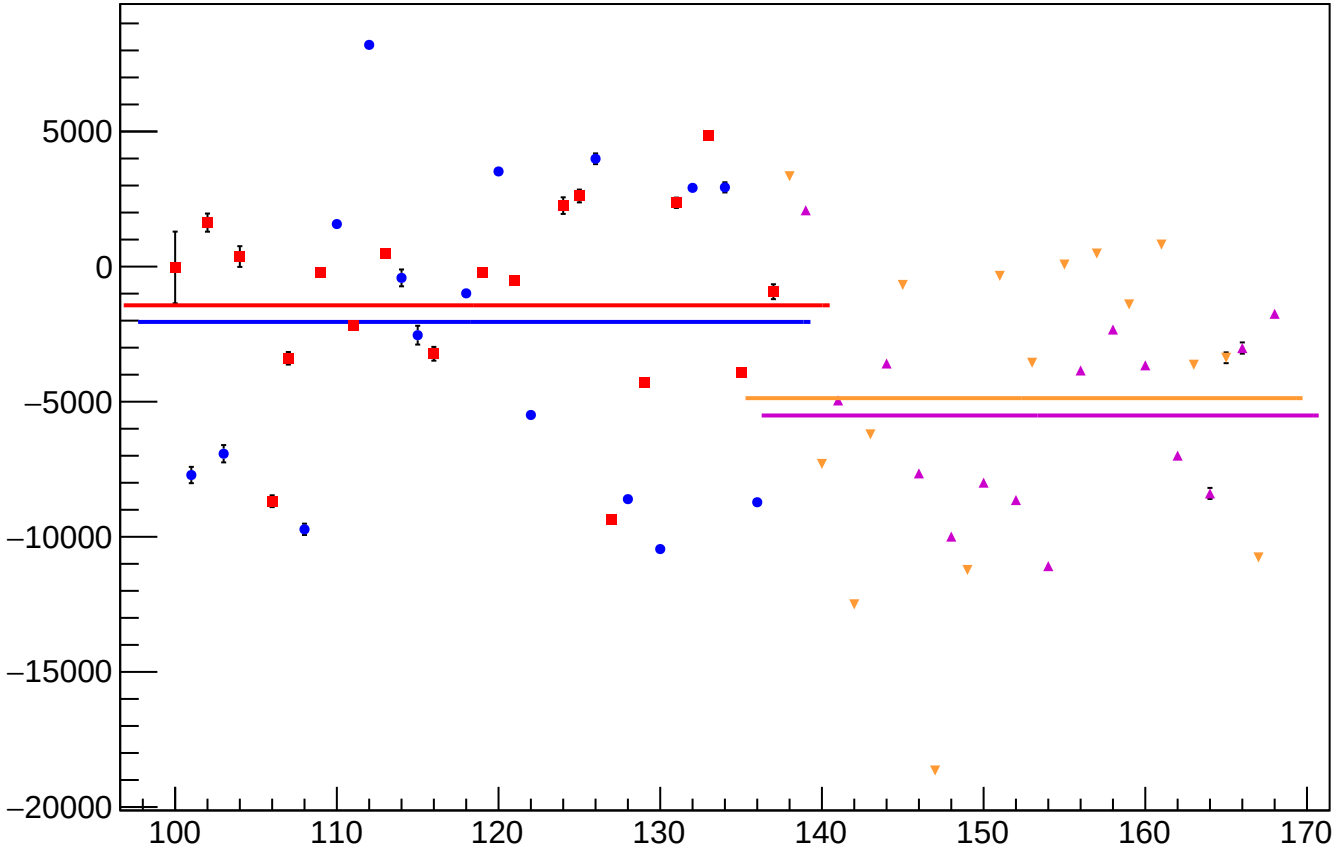
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.322+/-0.036 χ^2/NDF:1028825.9/30

Out: 226.066+/-0.037 χ^2/NDF:1523068.2/34

All: 222.100+/-0.026 χ^2/NDF: 2574601.0/65

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4868.559+/-34.758 χ^2/NDF:30832.8/15

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5509.999+/-35.434 χ^2/NDF:10226.9/14

Left: -5183.099+/-24.813 χ^2/NDF: 41226.8/30

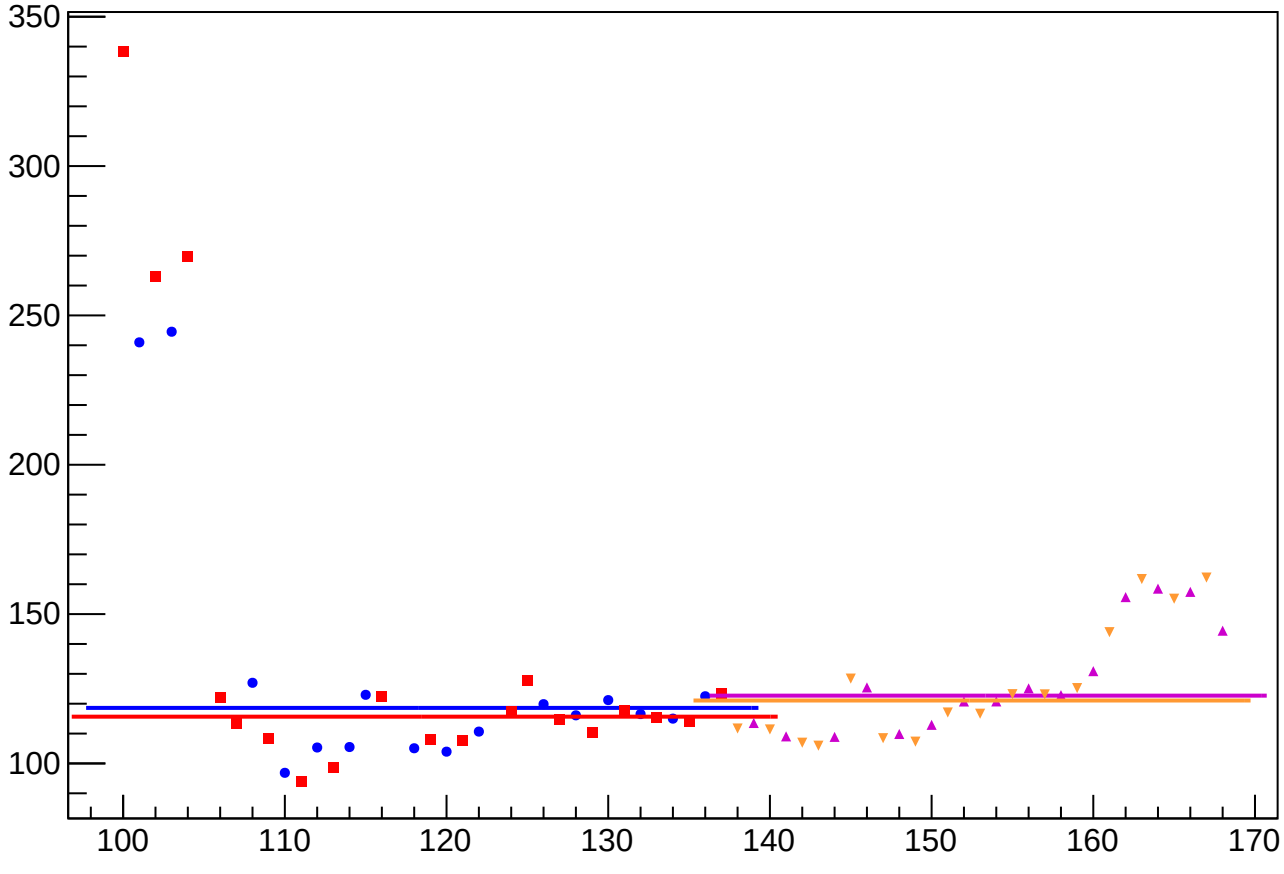
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4245.565+/-28.233 χ^2/NDF:30423.2/30

Out: -3575.033+/-27.446 χ^2/NDF:40899.1/34

All: -3900.817+/-19.679 χ^2/NDF: 71612.3/65

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 121.071+/-0.025 χ^2/NDF:438778.7/15

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 122.699+/-0.025 χ^2/NDF:337925.4/14

Left: 121.869+/-0.018 χ^2/NDF: 778854.8/30

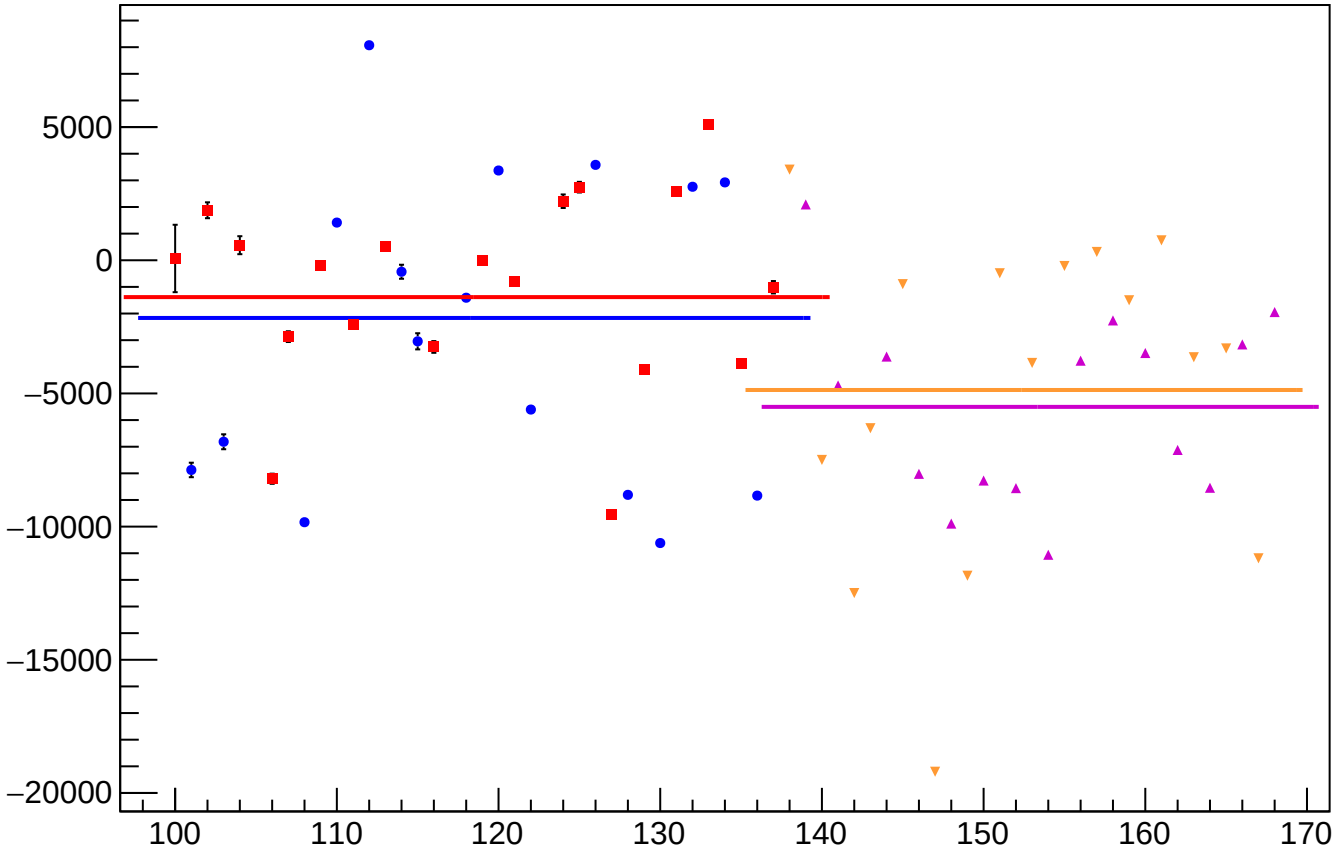
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 121.201+/-0.020 χ^2/NDF:1081876.0/30

Out: 119.034+/-0.019 χ^2/NDF:1321237.8/34

All: 120.087+/-0.014 χ^2/NDF: 2409171.2/65

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4870.387+/-31.316 χ^2/NDF:37680.6/15

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5504.348+/-32.259 χ^2/NDF:12538.1/14

Left: -5177.961+/-22.470 χ^2/NDF: 50417.5/30

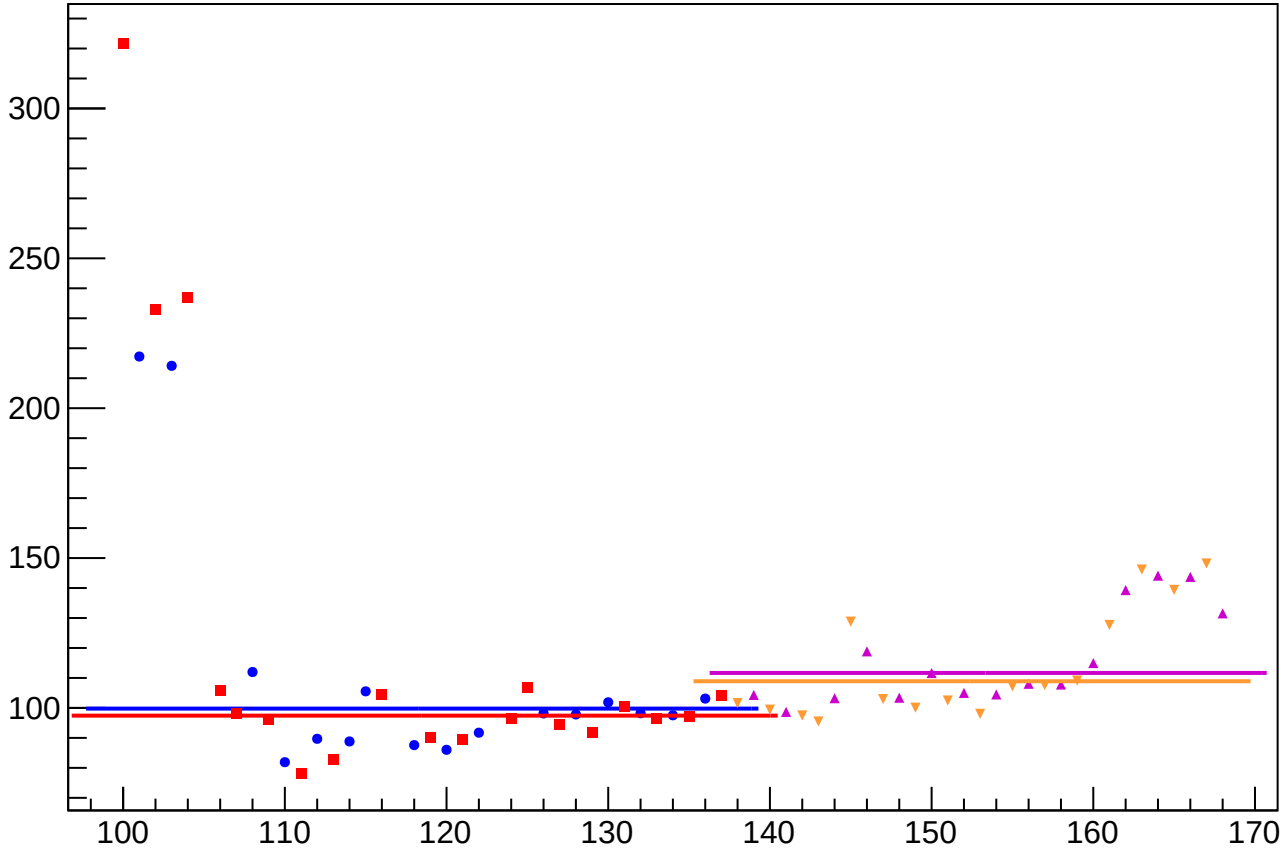
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4173.918+/-25.019 χ^2/NDF:39681.0/30

Out: -3458.857+/-24.161 χ^2/NDF:51848.5/34

All: -3803.912+/-17.380 χ^2/NDF: 91952.2/65

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 108.901+/-0.022 χ^2/NDF:461216.1/15

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 111.676+/-0.023 χ^2/NDF:306702.0/14

Left: 110.247+/-0.016 χ^2/NDF: 775537.0/30

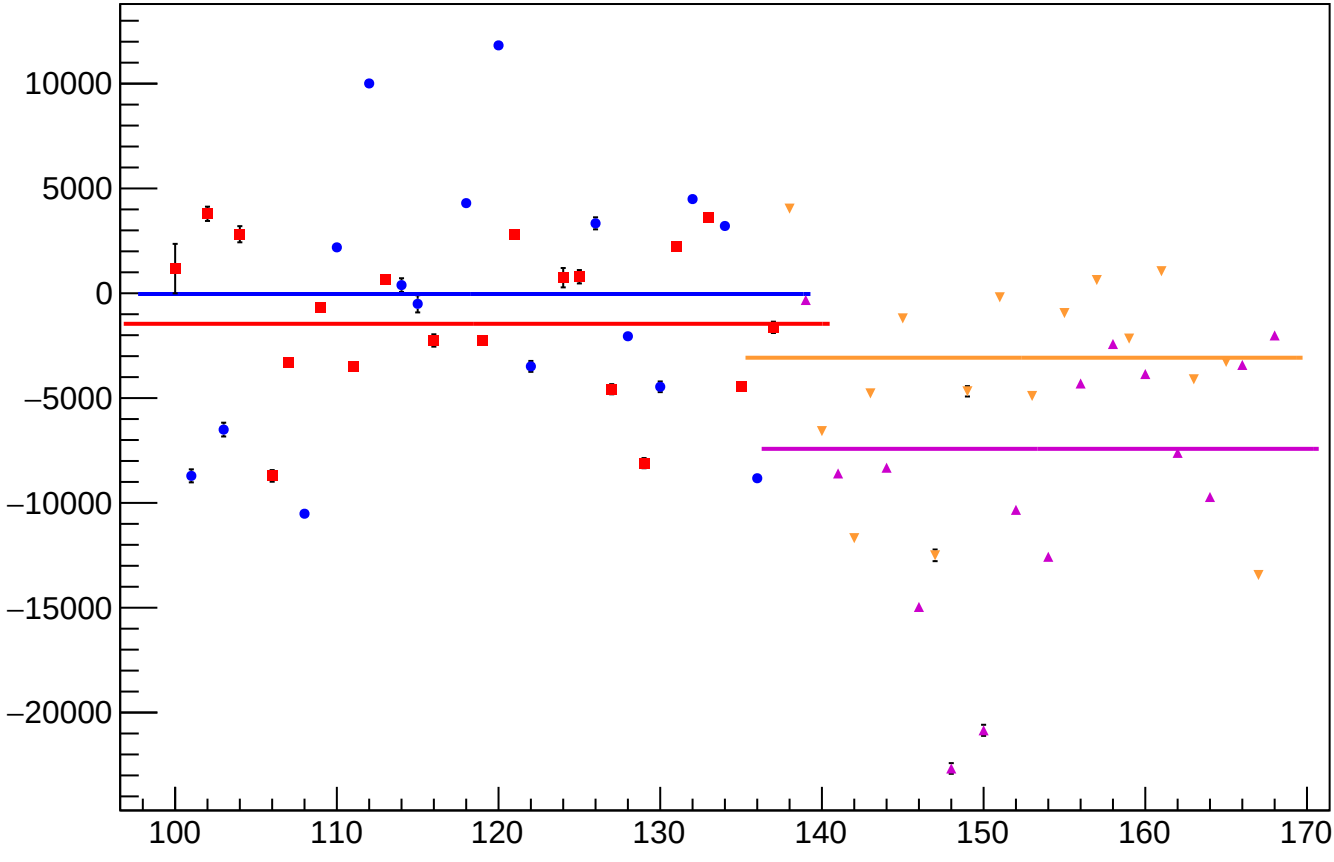
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 106.933+/-0.018 χ^2/NDF:1224340.9/30

Out: 104.257+/-0.017 χ^2/NDF:1495934.3/34

All: 105.548+/-0.012 χ^2/NDF: 2732115.7/65

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3074.651+/-44.531 χ^2/NDF:9839.1/15

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7421.226+/-46.092 χ^2/NDF:14335.8/14

Left: -5173.059+/-32.026 χ^2/NDF: 28774.5/30

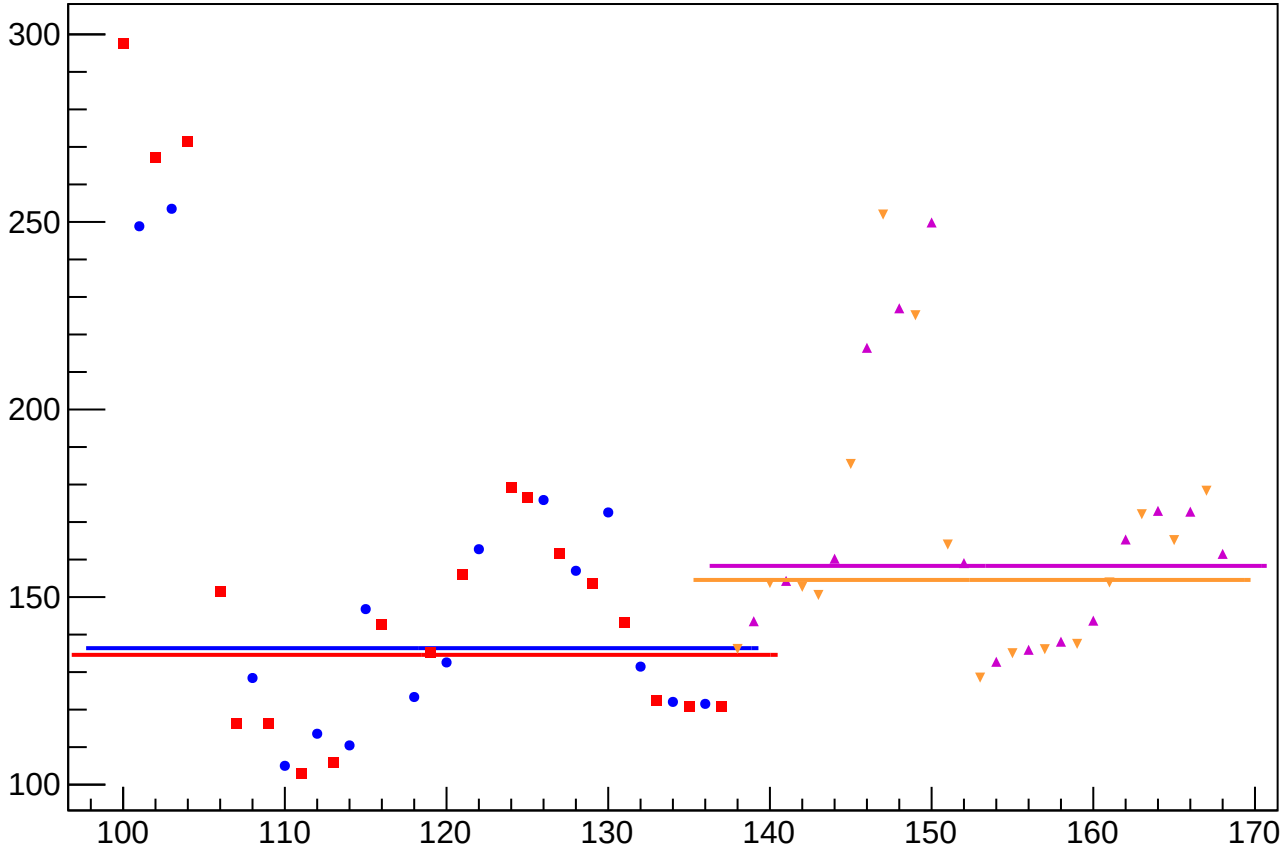
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4271.982+/-34.910 χ^2/NDF:42088.0/30

Out: -2389.283+/-33.808 χ^2/NDF:14515.3/34

All: -3300.451+/-24.286 χ^2/NDF: 58104.1/65

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 154.570+/-0.031 χ^2/NDF:696204.3/15

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 158.315+/-0.033 χ^2/NDF:715467.4/14

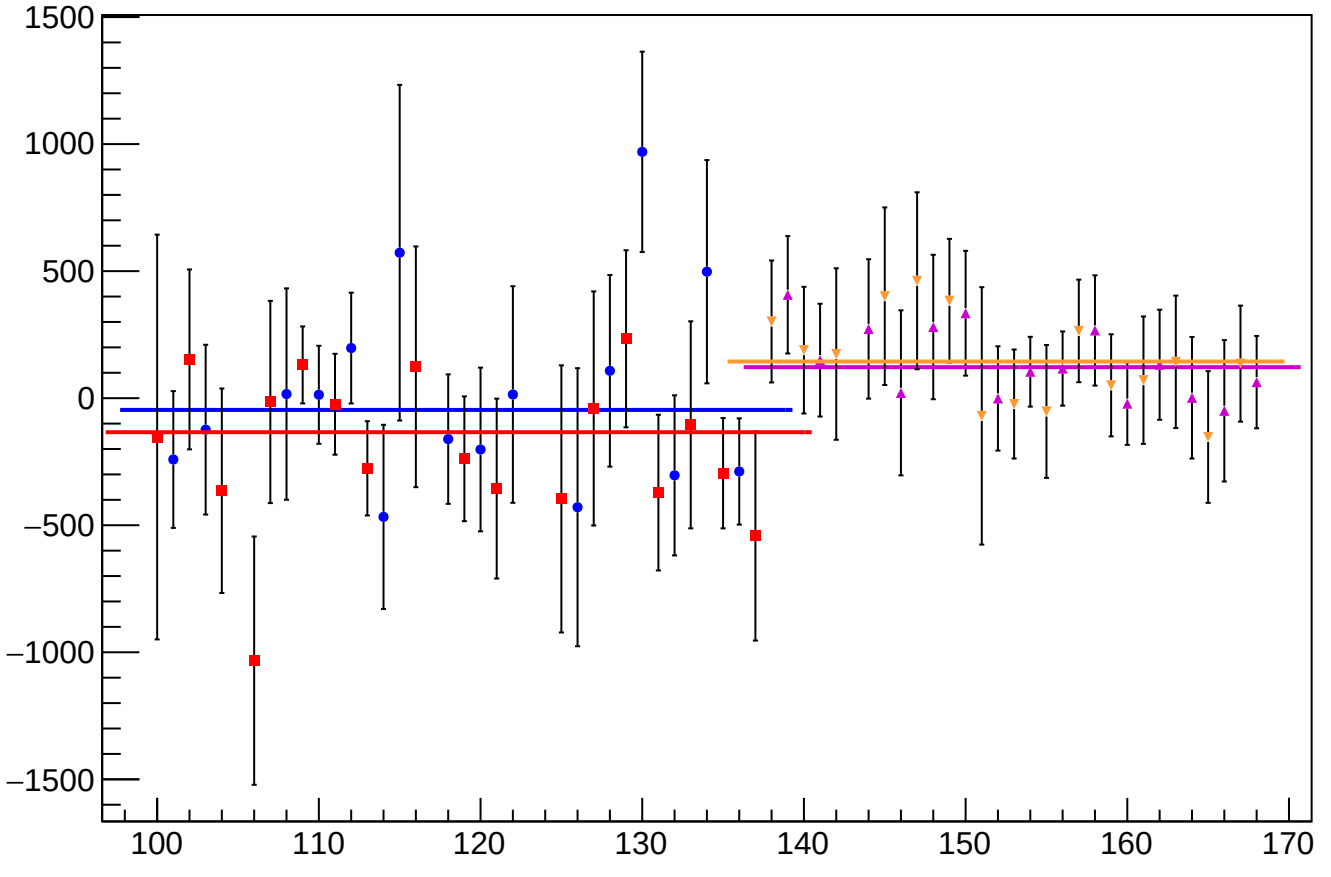
Left: 156.378+/-0.023 χ^2/NDF: 1418501.2/30

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.965+/-0.025 χ^2/NDF:1705380.0/30

Out: 146.110+/-0.024 χ^2/NDF:1786216.4/34

All: 147.492+/-0.017 χ^2/NDF: 3498496.0/65



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 144.337+/-65.966 χ^2/NDF:6.1/14

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 122.078+/-53.027 χ^2/NDF:5.3/14

Left: 130.815+/-41.329 χ^2/NDF: 11.5/29

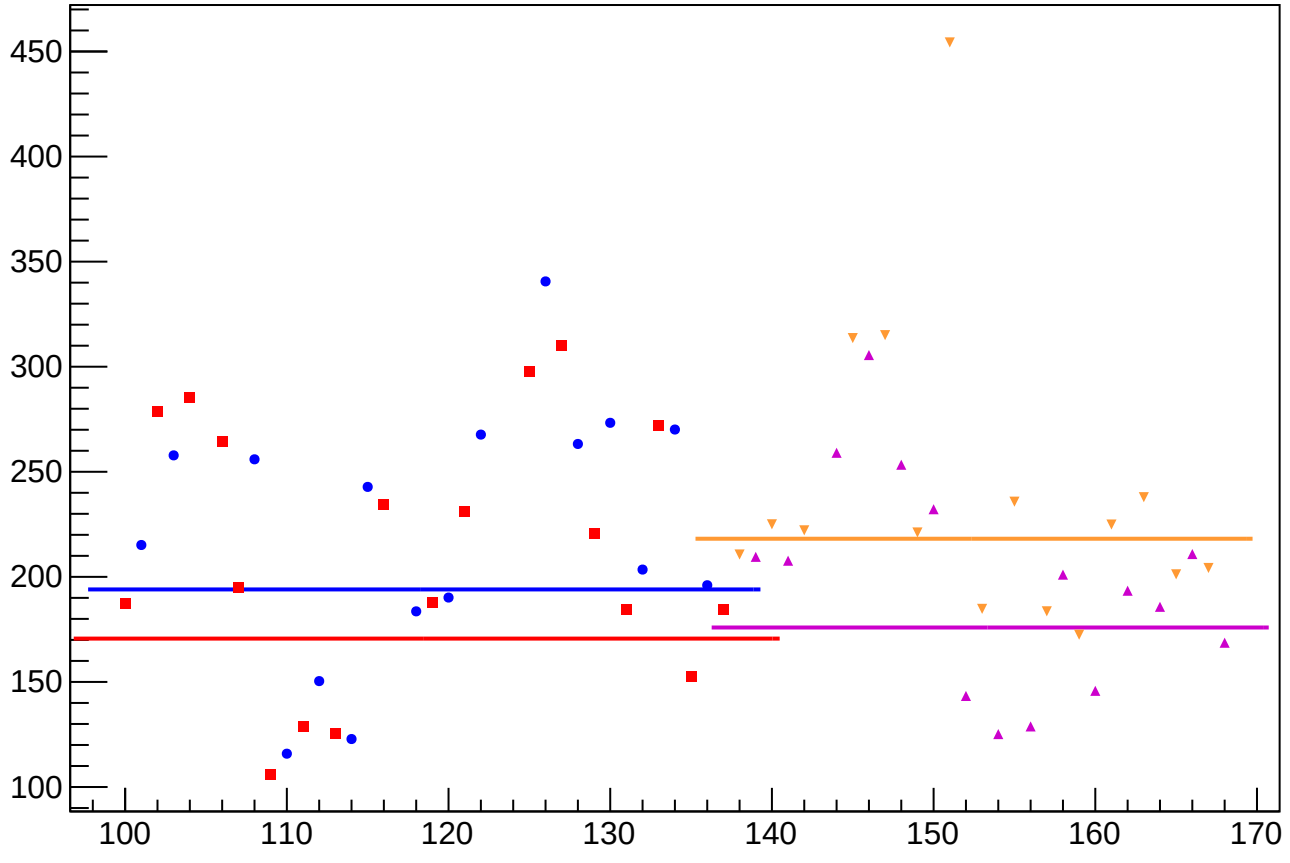
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 67.256+/-43.540 χ^2/NDF:24.1/30

Out: 10.278+/-47.487 χ^2/NDF:27.5/32

All: 41.232+/-32.092 χ^2/NDF: 52.4/63

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: 218.143+/-0.047 χ^2/NDF:991218.5/14

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 175.901+/-0.037 χ^2/NDF:1517367.3/14

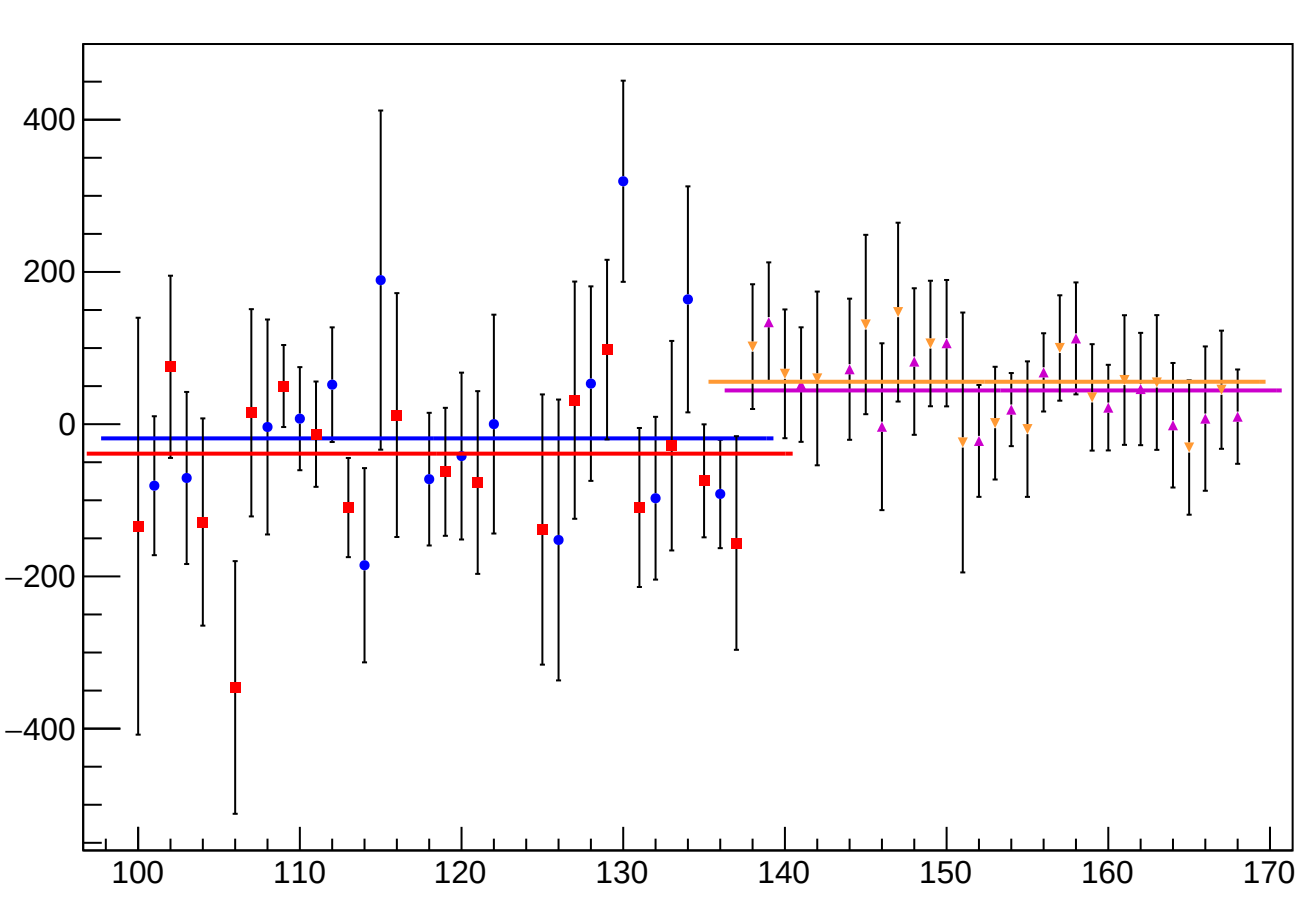
Left: 192.482+/-0.029 χ^2/NDF: 3006773.3/29

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.803+/-0.031 χ^2/NDF:2637003.2/30

Out: 195.248+/-0.034 χ^2/NDF:3084972.0/32

All: 187.944+/-0.023 χ^2/NDF: 5809079.8/63



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 55.743+/-22.515 χ^2/NDF:4.4/14

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 44.320+/-18.276 χ^2/NDF:5.4/14

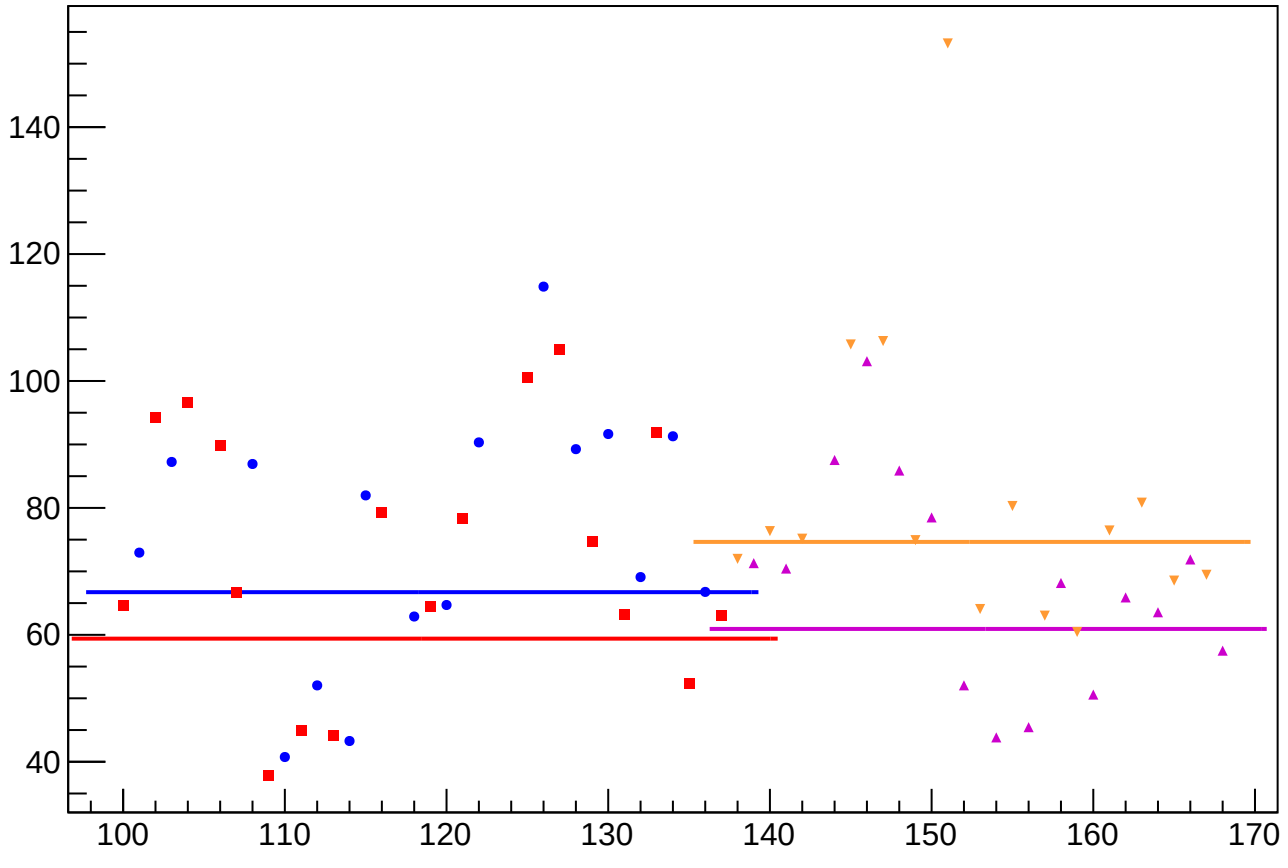
Left: 48.857+/-14.190 χ^2/NDF: 10.0/29

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 23.628+/-14.975 χ^2/NDF:24.5/30

Out: 10.838+/-16.308 χ^2/NDF:25.4/32

All: 17.777+/-11.030 χ^2/NDF: 50.3/63



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.644+/-0.016 χ^2/NDF:927554.0/14

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 60.931+/-0.013 χ^2/NDF:1346728.0/14

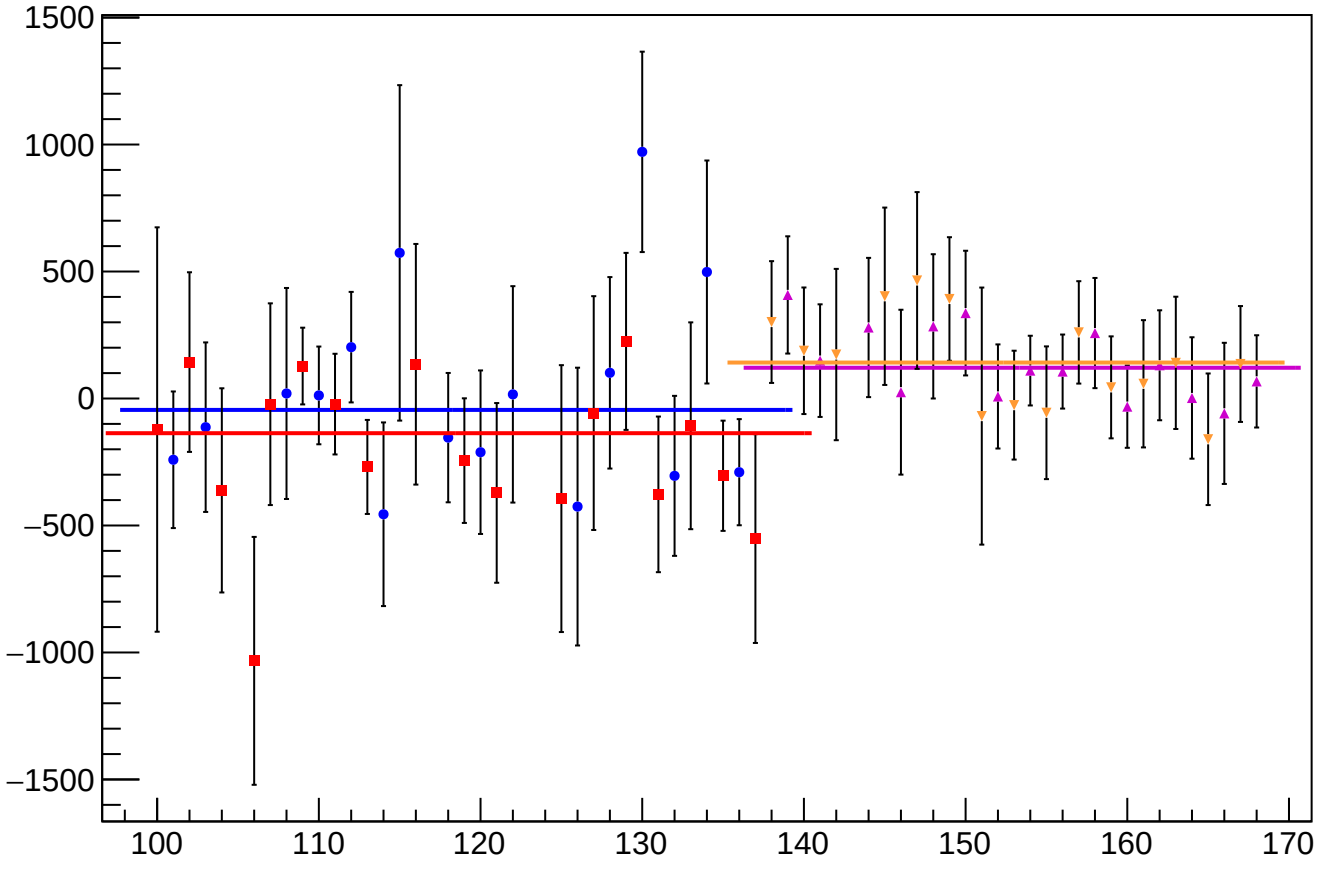
Left: 66.378+/-0.010 χ^2/NDF: 2721529.7/29

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.835+/-0.011 χ^2/NDF:2359813.2/30

Out: 67.397+/-0.012 χ^2/NDF:2808749.7/32

All: 64.922+/-0.008 χ^2/NDF: 5253505.2/63



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 141.586+/-65.912 χ^2/NDF:6.4/14

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 121.069+/-52.981 χ^2/NDF:5.4/14

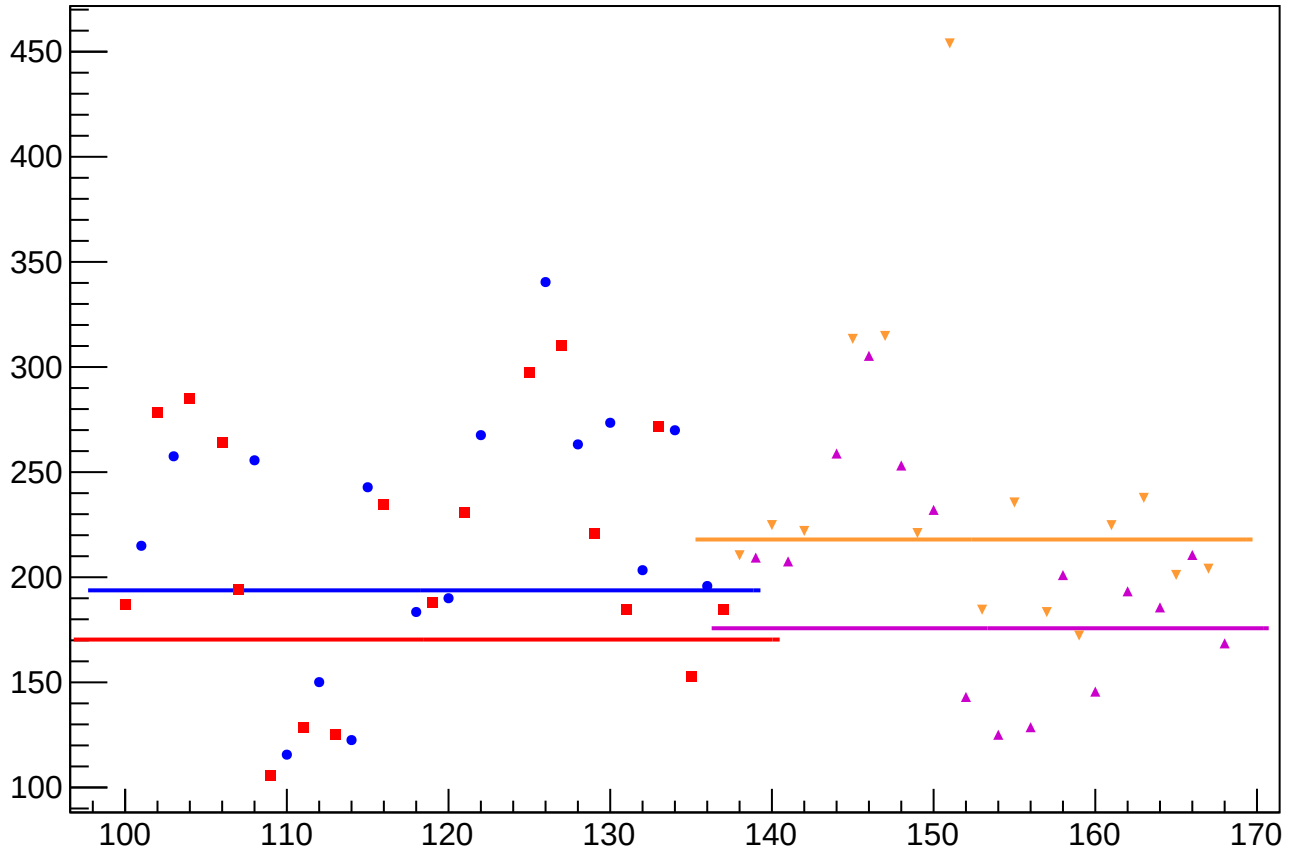
Left: 129.122+/-41.294 χ^2/NDF: 11.9/29

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 66.976+/-43.499 χ^2/NDF:24.1/30

Out: 7.497+/-47.436 χ^2/NDF:27.8/32

All: 39.806+/-32.060 χ^2/NDF: 52.8/63



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.957+/-0.047 χ^2/NDF:991883.7/14

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 175.739+/-0.037 χ^2/NDF:1519379.2/14

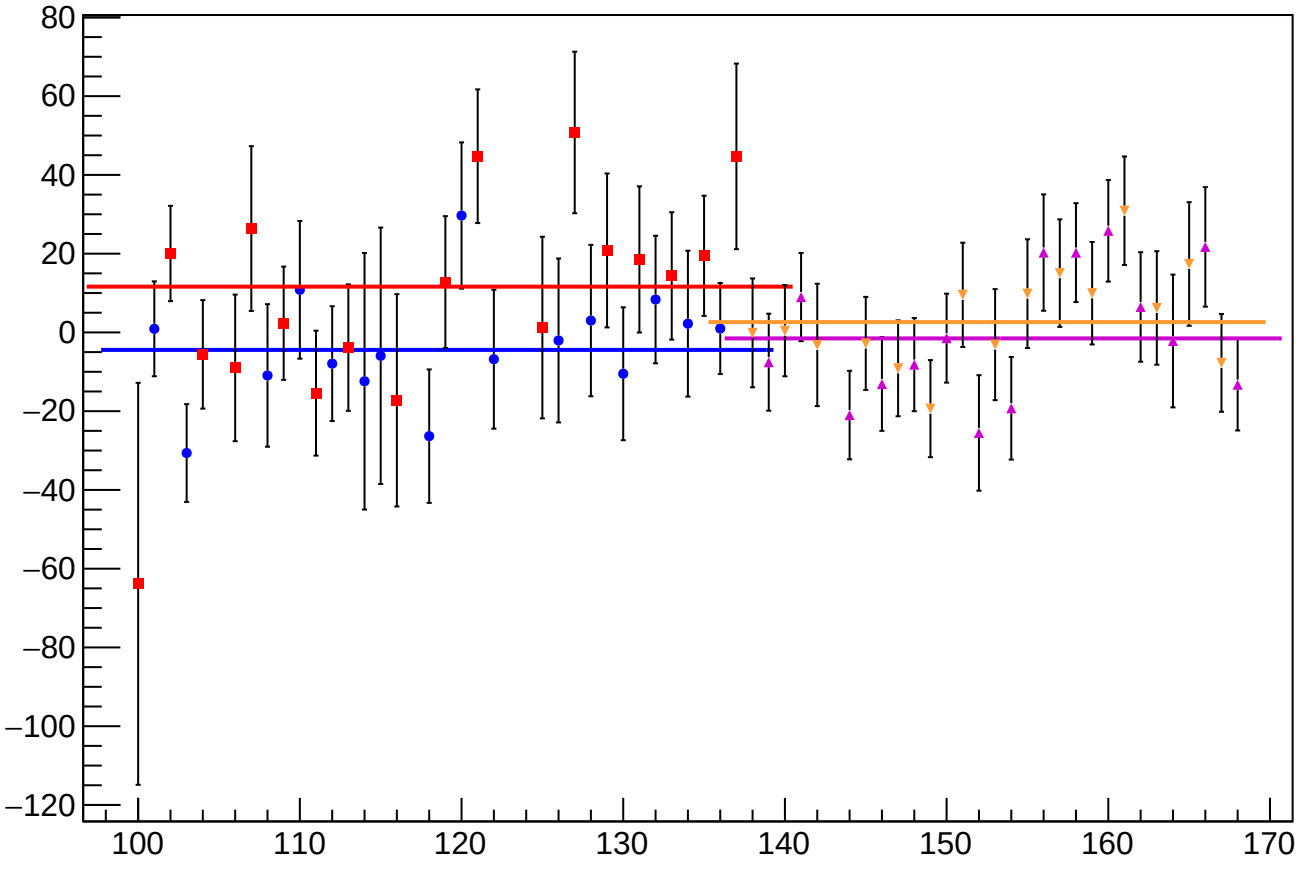
Left: 192.310+/-0.029 χ^2/NDF: 3009732.4/29

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 181.615+/-0.031 χ^2/NDF:2642947.2/30

Out: 195.012+/-0.034 χ^2/NDF:3093714.0/32

All: 187.734+/-0.023 χ^2/NDF: 5823321.2/63



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.627+/-3.426 χ^2/NDF:12.3/14

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.522+/-3.290 χ^2/NDF:23.3/14

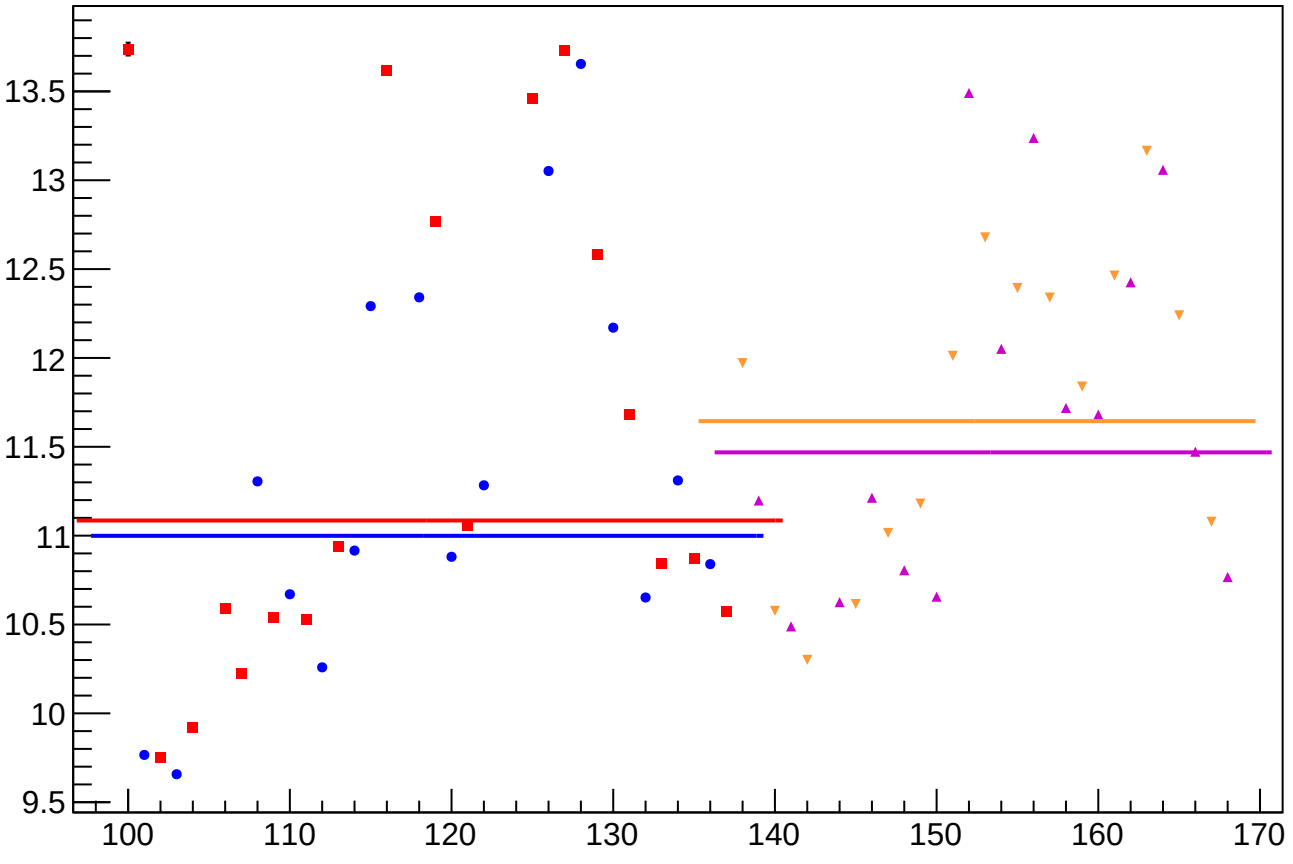
Left: 0.469+/-2.373 χ^2/NDF: 36.3/29

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.654+/-2.573 χ^2/NDF:35.6/30

Out: 6.289+/-2.638 χ^2/NDF:36.7/32

All: 1.706+/-1.842 χ^2/NDF: 78.2/63



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.644+/-0.002 χ^2/NDF:116626.1/14

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.469+/-0.002 χ^2/NDF:151663.0/14

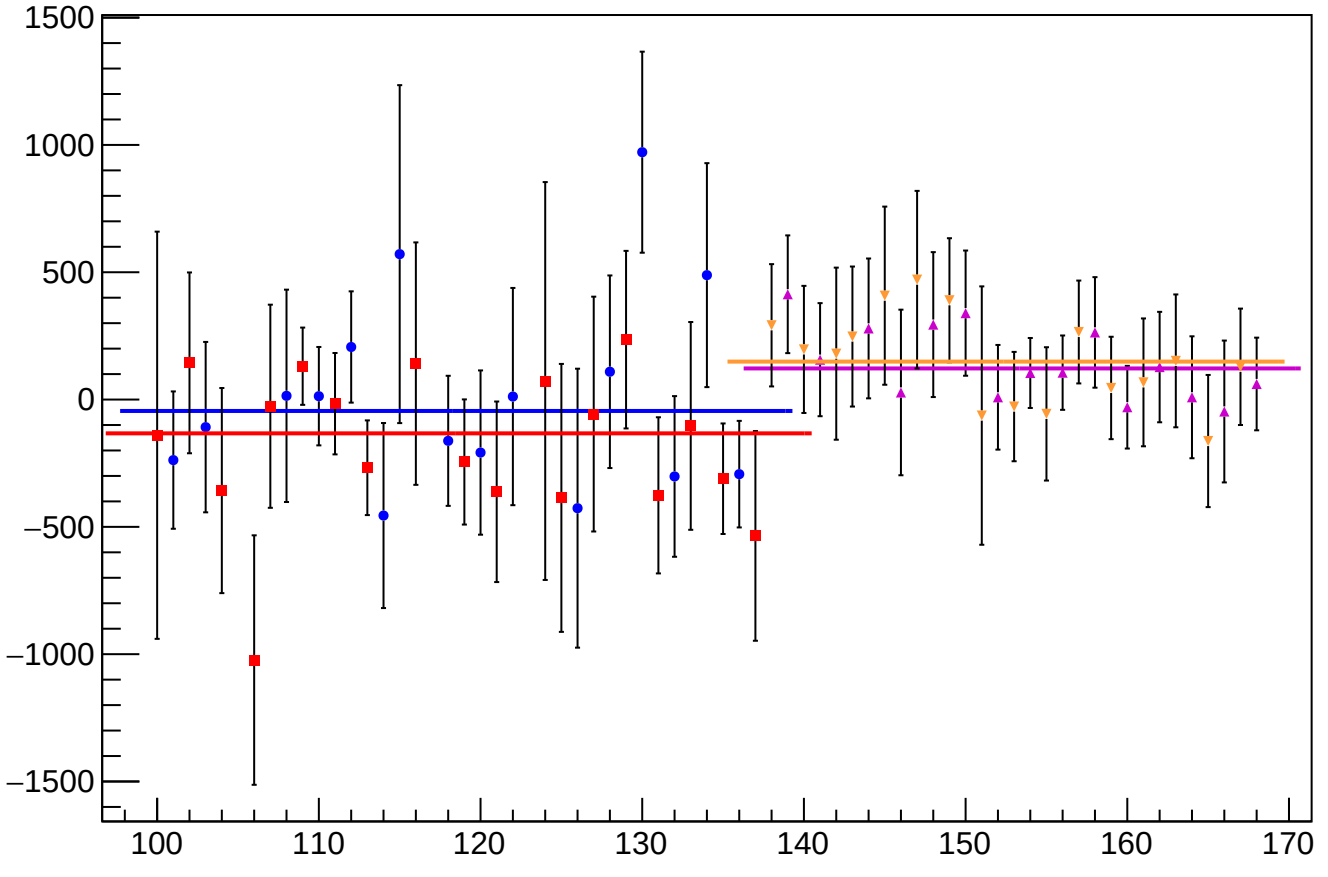
Left: 11.553+/-0.002 χ^2/NDF: 271027.0/29

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.286+/-0.002 χ^2/NDF:303639.5/30

Out: 11.417+/-0.002 χ^2/NDF:300500.7/32

All: 11.350+/-0.001 χ^2/NDF: 606648.7/63



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 149.062+/-64.207 χ^2/NDF:6.5/15

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 122.189+/-53.067 χ^2/NDF:5.5/14

Left: 133.096+/-40.904 χ^2/NDF: 12.1/30

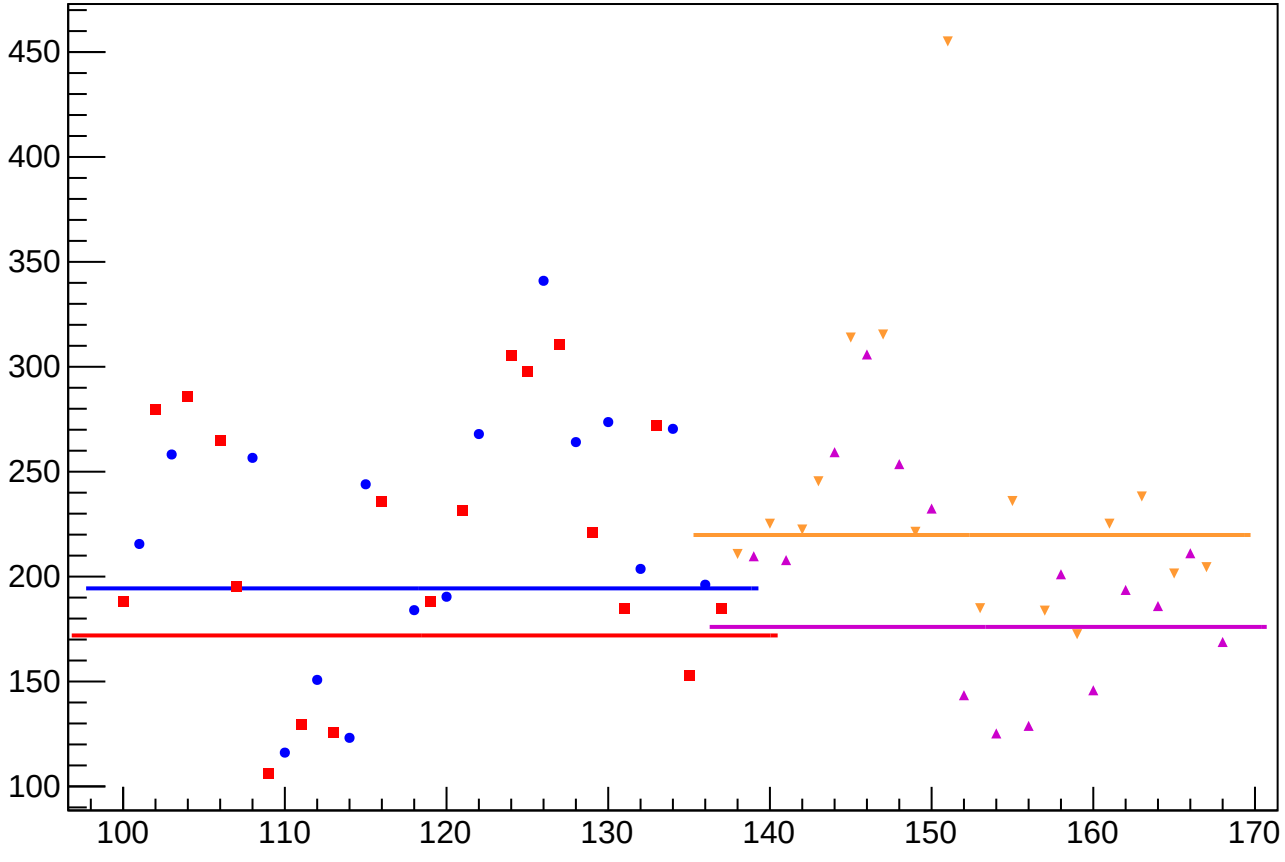
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 67.866+/-43.589 χ^2/NDF:24.2/30

Out: 16.800+/-46.771 χ^2/NDF:28.4/34

All: 44.129+/-31.888 χ^2/NDF: 53.2/65

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 219.828+/-0.045 χ^2/NDF:1010886.2/15

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 176.022+/-0.038 χ^2/NDF:1519753.1/14

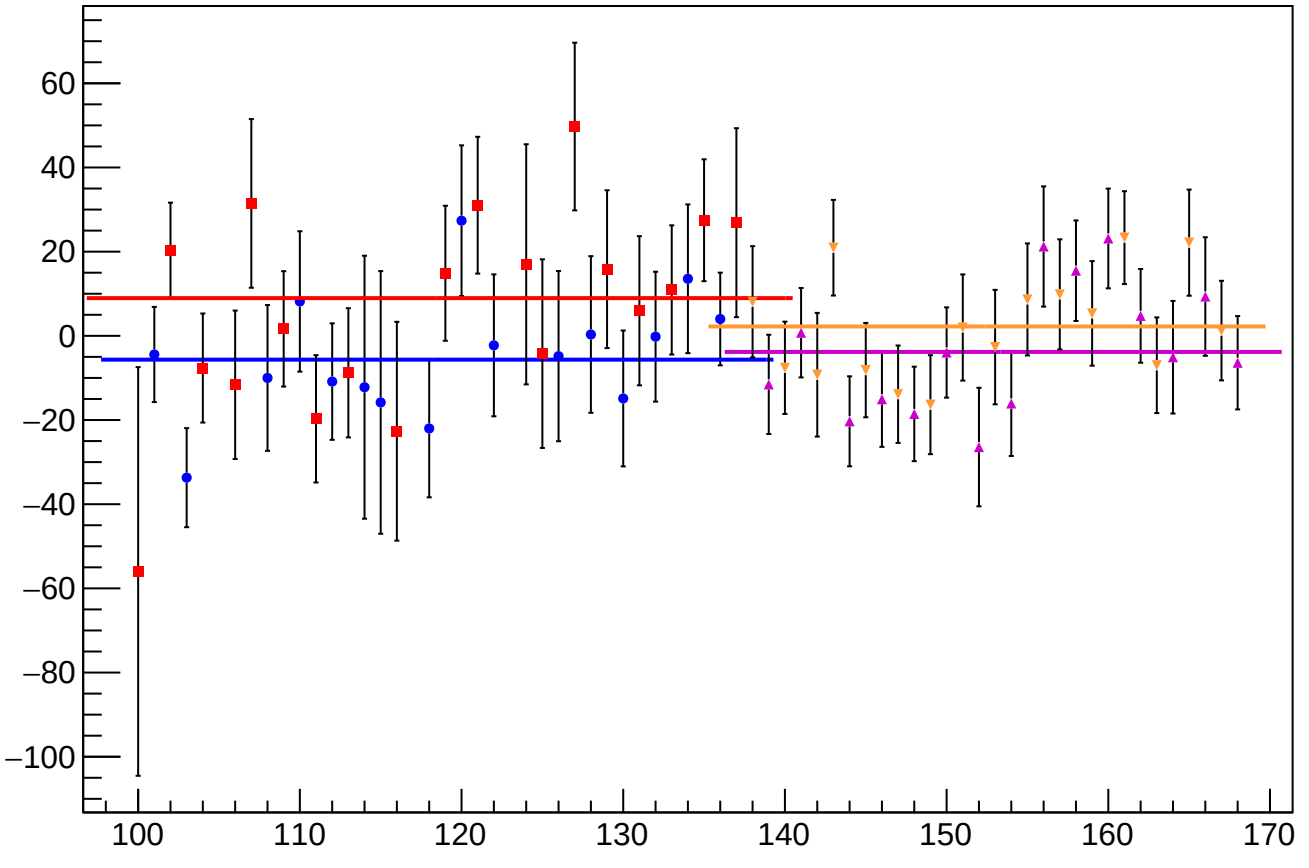
Left: 193.801+/-0.029 χ^2/NDF: 3083757.7/30

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.996+/-0.031 χ^2/NDF:2639680.1/30

Out: 197.355+/-0.033 χ^2/NDF:3184229.4/34

All: 189.135+/-0.023 χ^2/NDF: 5939338.7/65



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.225+/-3.041 χ^2/NDF:17.2/15

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.824+/-3.063 χ^2/NDF:21.6/14

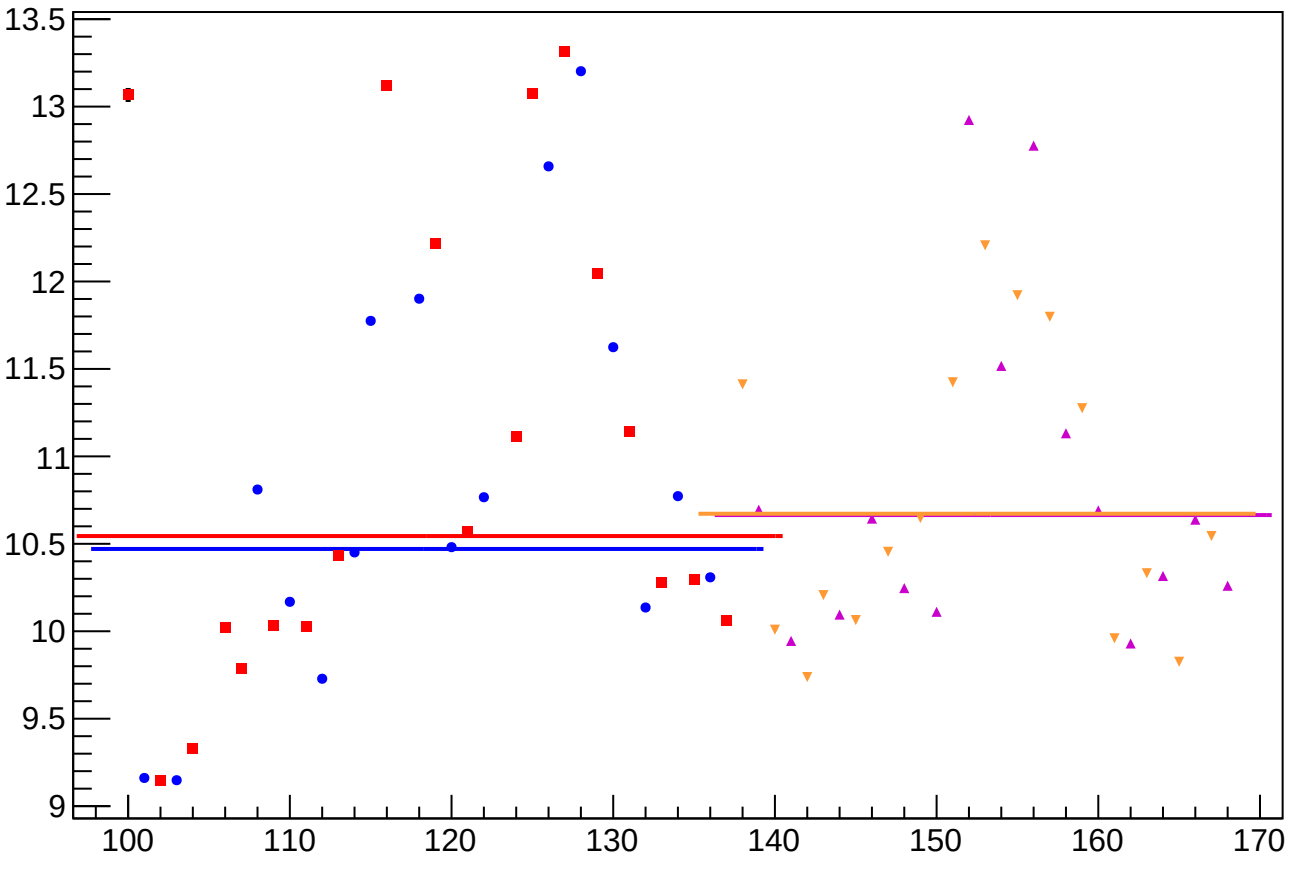
Left: -0.777+/-2.158 χ^2/NDF: 40.8/30

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.515+/-2.418 χ^2/NDF:35.4/30

Out: 4.771+/-2.398 χ^2/NDF:41.8/34

All: 0.166+/-1.703 χ^2/NDF: 84.7/65



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.672+/-0.002 χ^2/NDF:120741.0/15

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.664+/-0.002 χ^2/NDF:143325.3/14

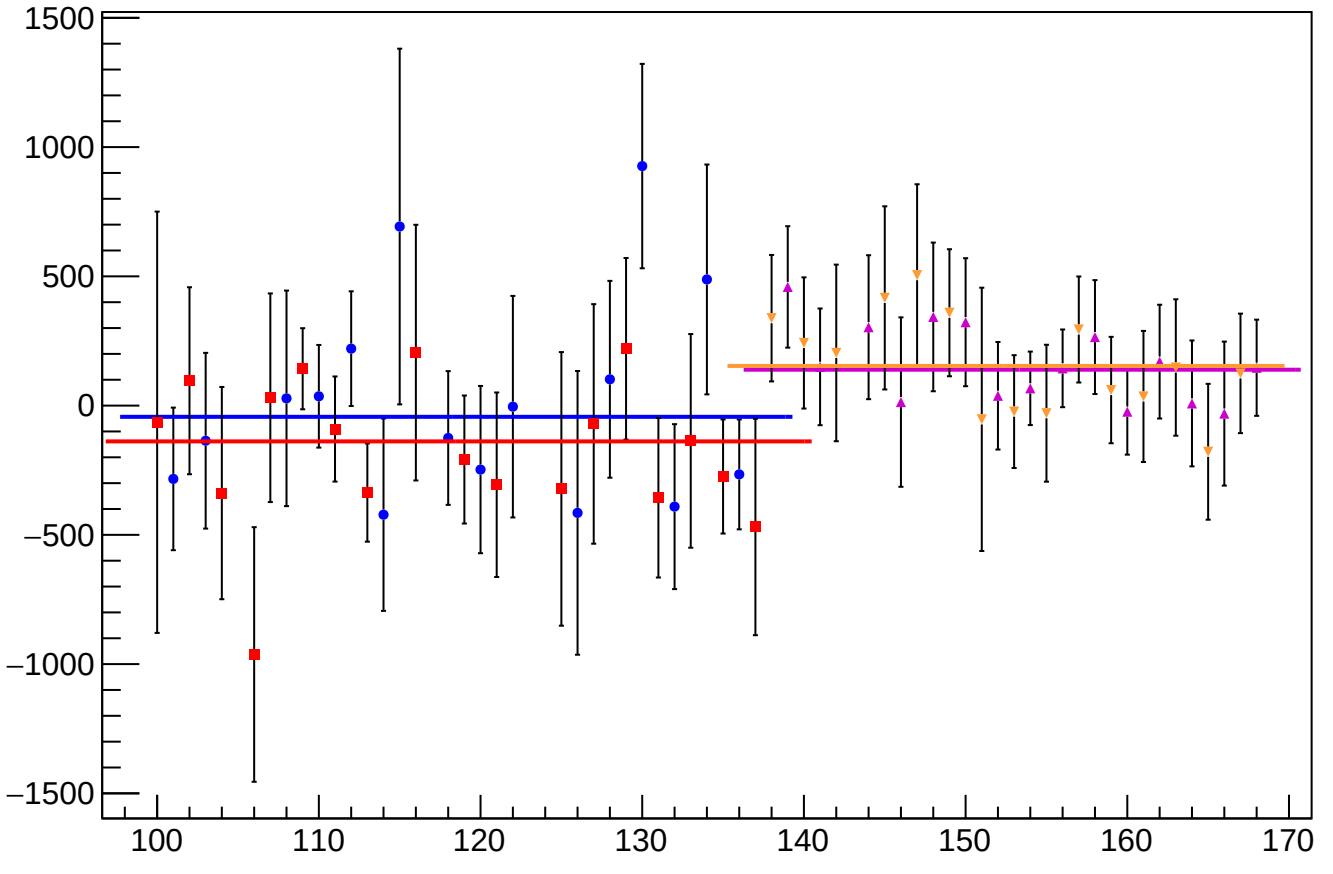
Left: 10.668+/-0.002 χ^2/NDF: 264072.5/30

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.591+/-0.002 χ^2/NDF:303706.5/30

Out: 10.624+/-0.002 χ^2/NDF:308852.1/34

All: 10.608+/-0.001 χ^2/NDF: 612739.4/65



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 153.491+/-66.956 χ^2/NDF:6.8/14

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 138.817+/-54.128 χ^2/NDF:5.9/14

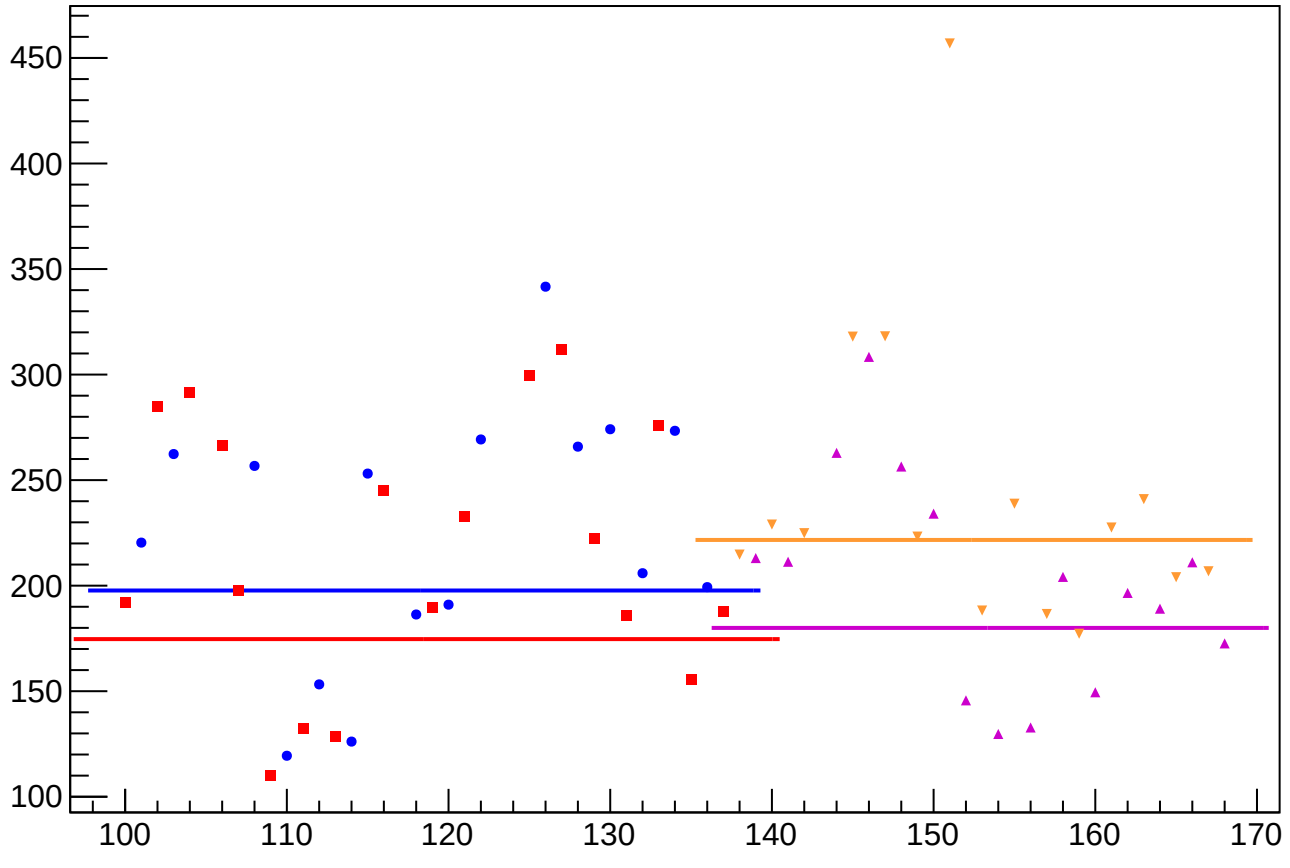
Left: 144.617+/-42.094 χ^2/NDF: 12.7/29

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 79.166+/-44.392 χ^2/NDF:25.0/30

Out: 13.656+/-48.330 χ^2/NDF:27.3/32

All: 49.188+/-32.694 χ^2/NDF: 53.4/63



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.659+/-0.047 χ^2/NDF:964822.9/14

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 179.982+/-0.038 χ^2/NDF:1434587.8/14

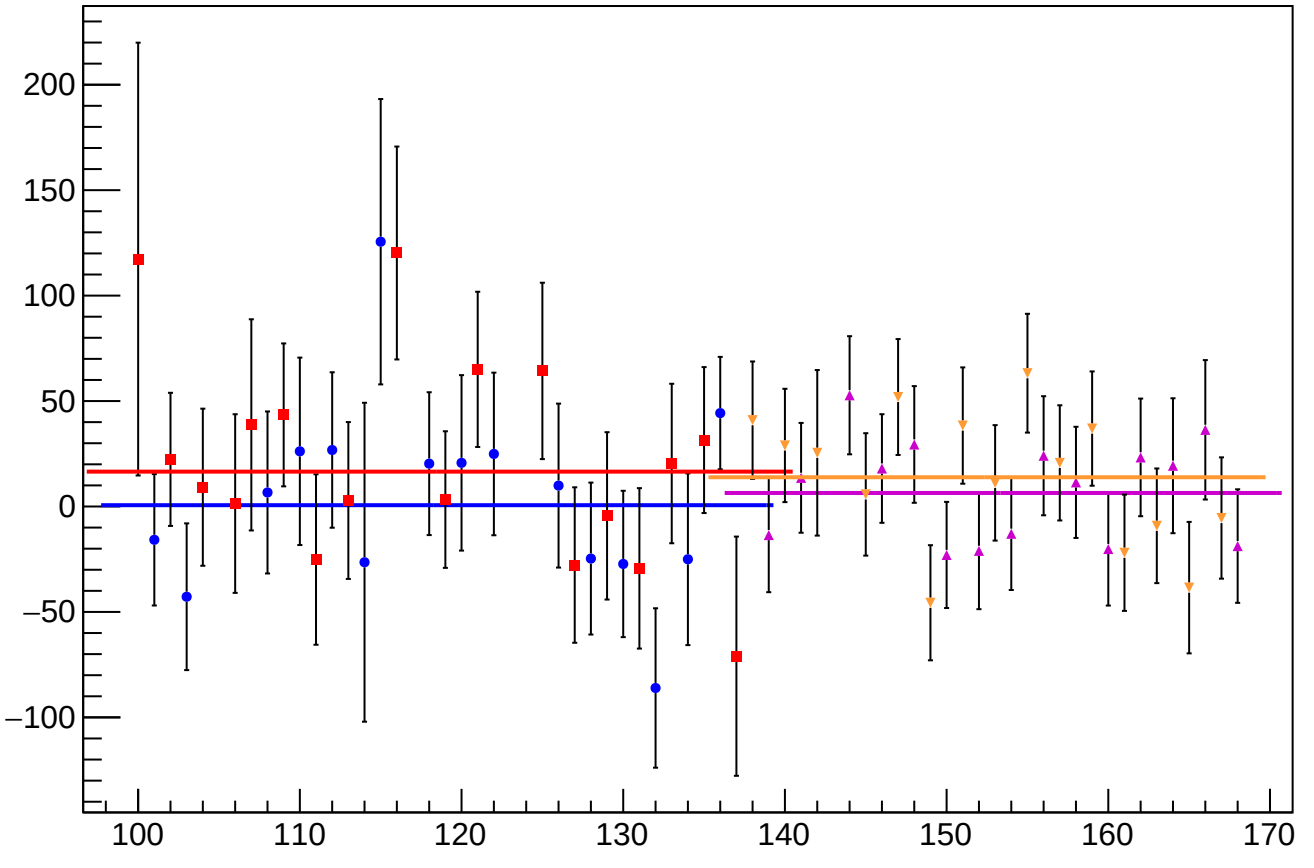
Left: 196.455+/-0.030 χ^2/NDF: 2868029.4/29

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.785+/-0.031 χ^2/NDF:2505125.0/30

Out: 199.157+/-0.034 χ^2/NDF:2971193.1/32

All: 191.904+/-0.023 χ^2/NDF: 5559351.5/63



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 13.869+/-7.313 χ^2/NDF:18.4/14

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 6.412+/-7.096 χ^2/NDF:10.8/14

Left: 10.028+/-5.093 χ^2/NDF: 29.7/29

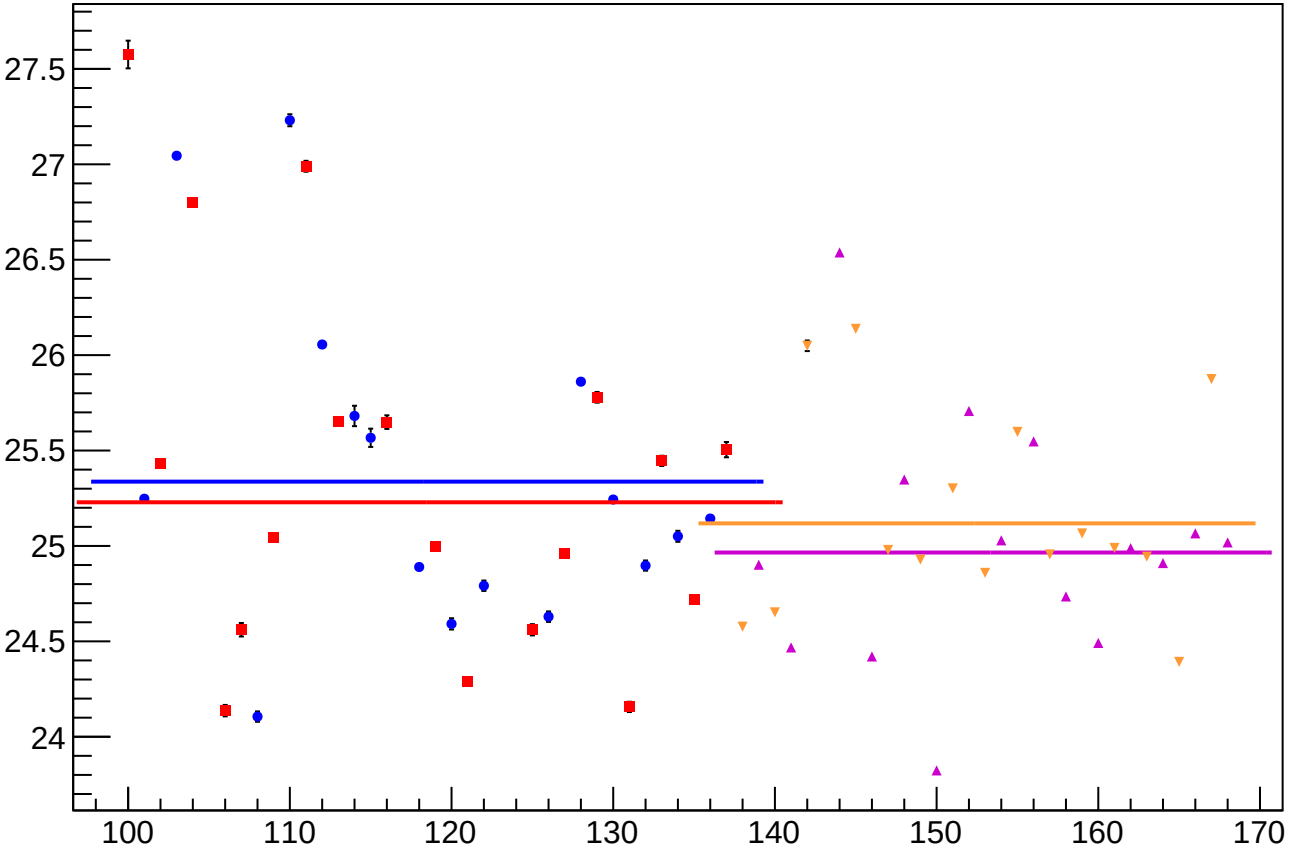
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.315+/-5.668 χ^2/NDF:27.7/30

Out: 14.887+/-5.750 χ^2/NDF:34.8/32

All: 9.525+/-4.037 χ^2/NDF: 64.3/63

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.118+/-0.005 χ^2/NDF:8617.9/14

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.966+/-0.005 χ^2/NDF:15551.9/14

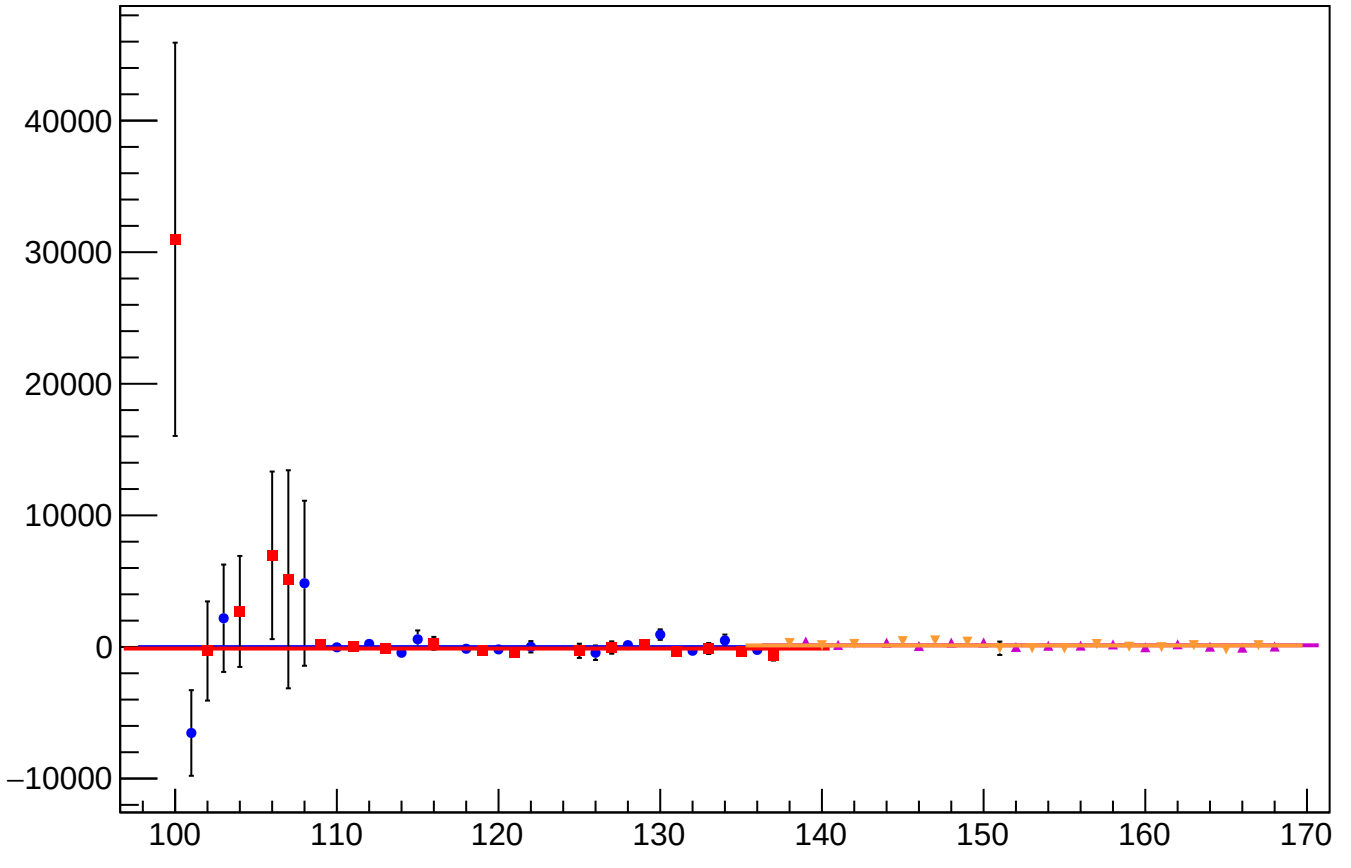
Left: 25.040+/-0.004 χ^2/NDF: 24619.7/29

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.100+/-0.004 χ^2/NDF:31851.0/30

Out: 25.161+/-0.004 χ^2/NDF:23968.1/32

All: 25.130+/-0.003 χ^2/NDF: 55931.5/63



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 115.774+/-67.318 χ^2/NDF:7.7/14

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 126.744+/-54.828 χ^2/NDF:5.6/14

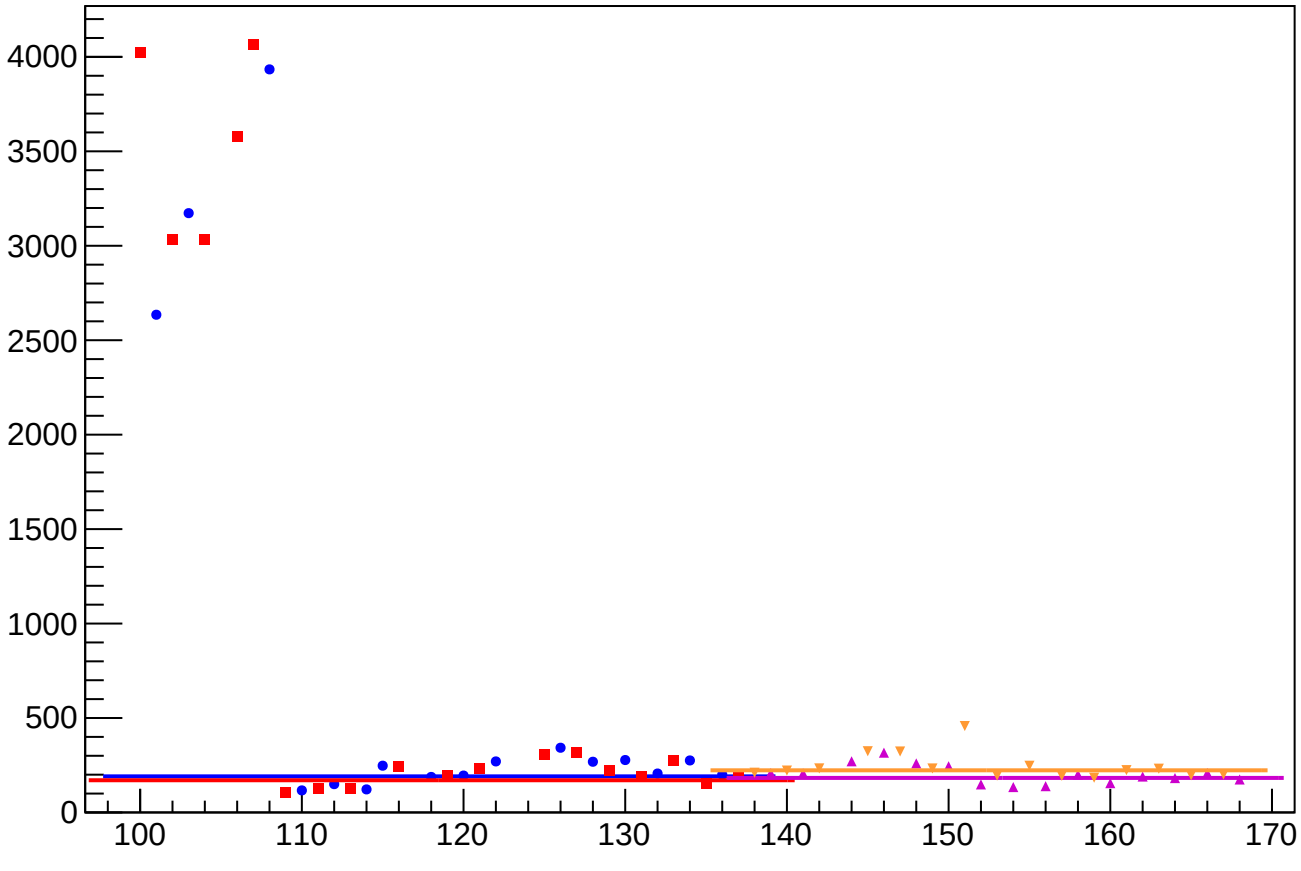
Left: 122.369+/-42.512 χ^2/NDF: 13.3/29

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 85.262+/-45.987 χ^2/NDF:25.8/30

Out: 15.497+/-51.031 χ^2/NDF:27.3/32

All: 53.997+/-34.162 χ^2/NDF: 54.2/63



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 223.101+/-0.048 χ^2/NDF:943770.8/14

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 182.836+/-0.039 χ^2/NDF:1319788.5/14

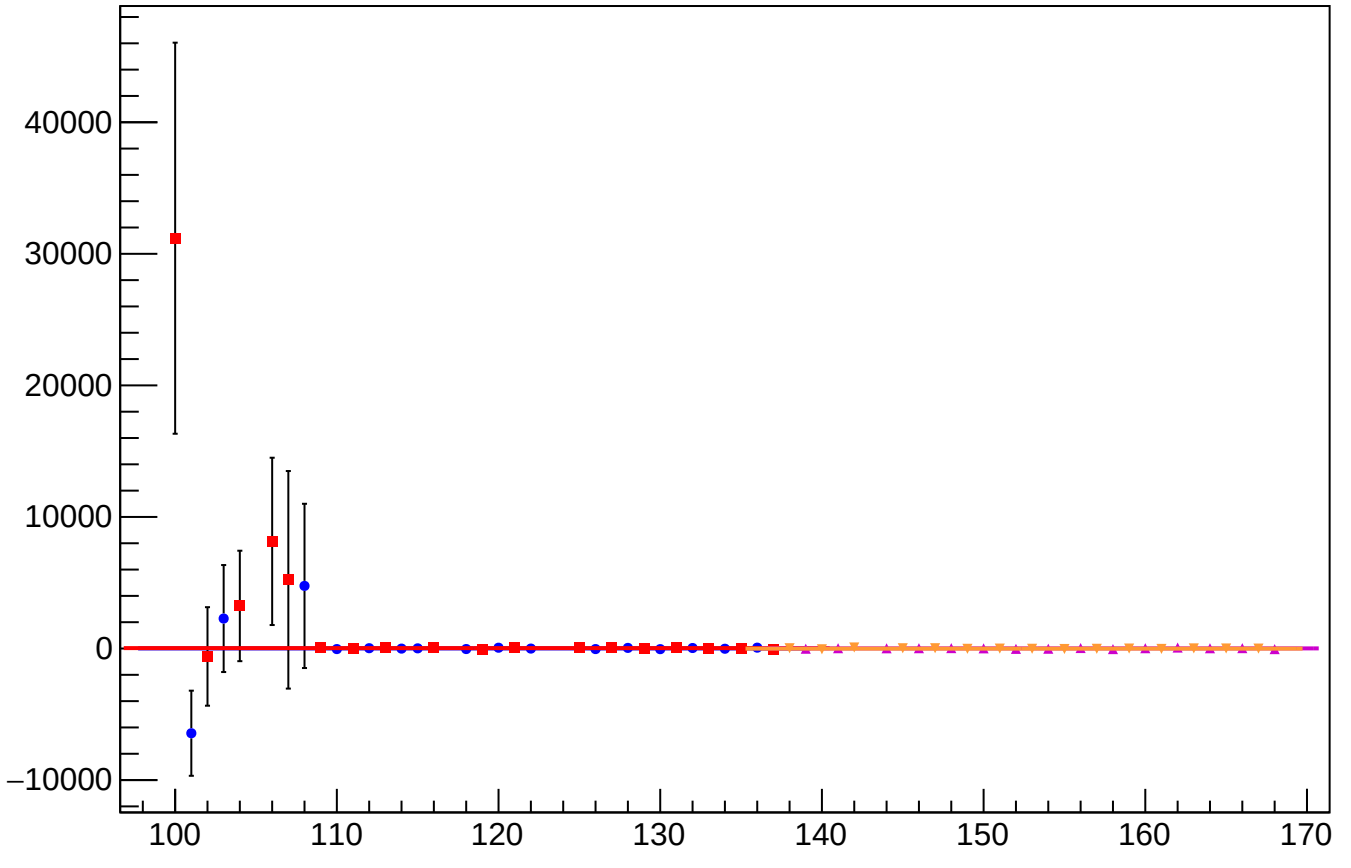
Left: 198.894+/-0.030 χ^2/NDF: 2693731.9/29

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.277+/-0.033 χ^2/NDF:5167114.7/30

Out: 200.725+/-0.036 χ^2/NDF:5718108.8/32

All: 192.200+/-0.024 χ^2/NDF: 10986361.5/63



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.112+/-8.427 χ^2/NDF:10.7/14

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 8.946+/-8.254 χ^2/NDF:16.0/14

Left: 1.083+/-5.897 χ^2/NDF: 28.5/29

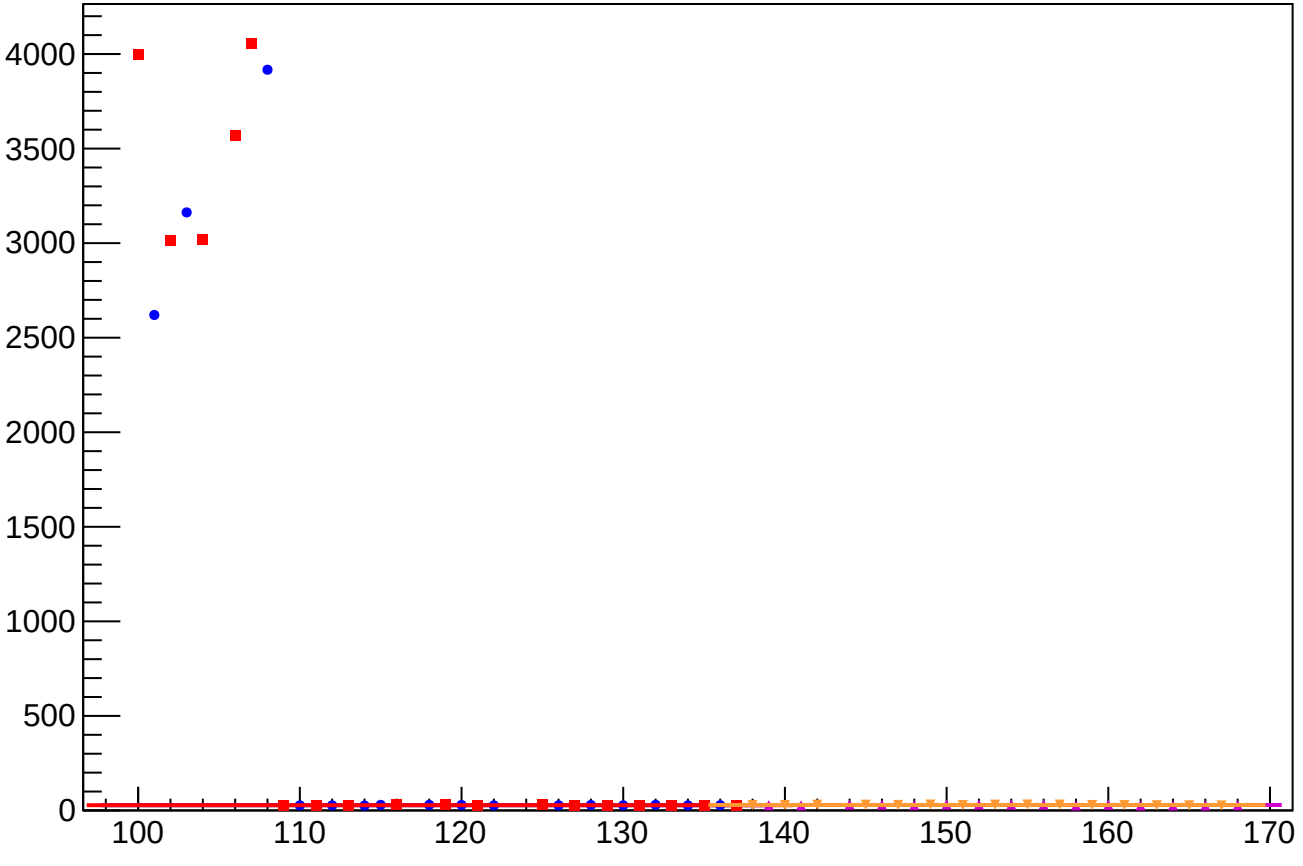
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 8.135+/-6.757 χ^2/NDF:34.3/30

Out: 5.273+/-6.912 χ^2/NDF:37.2/32

All: 6.737+/-4.832 χ^2/NDF: 71.6/63

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.883+/-0.006 χ^2/NDF:69722.3/14

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.959+/-0.006 χ^2/NDF:109573.3/14

Left: 28.922+/-0.004 χ^2/NDF: 179379.5/29

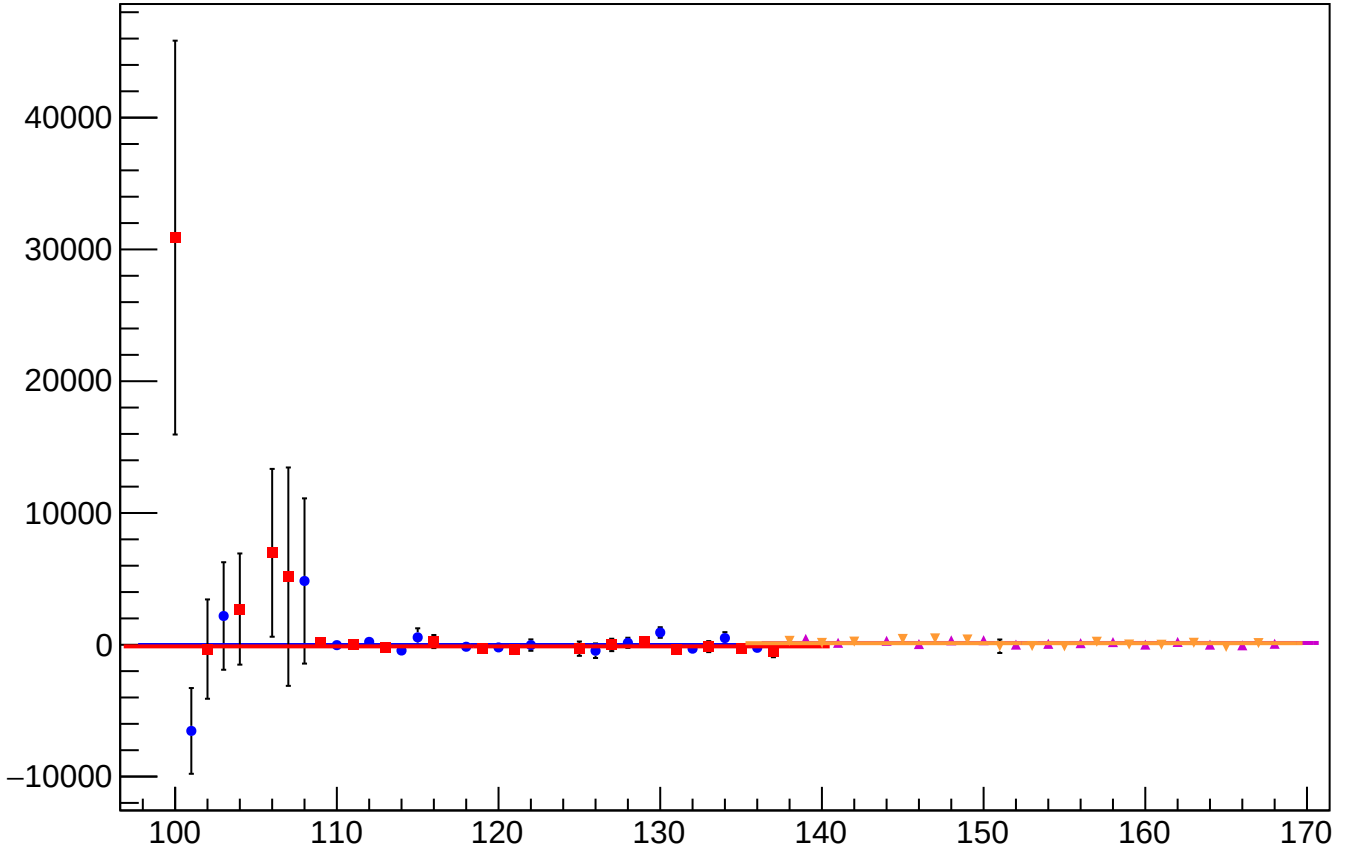
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.585+/-0.005 χ^2/NDF:3387930.1/30

Out: 28.521+/-0.005 χ^2/NDF:3639365.3/32

All: 28.554+/-0.003 χ^2/NDF: 7027381.9/63

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.533+/-67.840 χ^2/NDF:7.4/14

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 136.210+/-55.349 χ^2/NDF:5.3/14

Left: 129.945+/-42.886 χ^2/NDF: 12.8/29

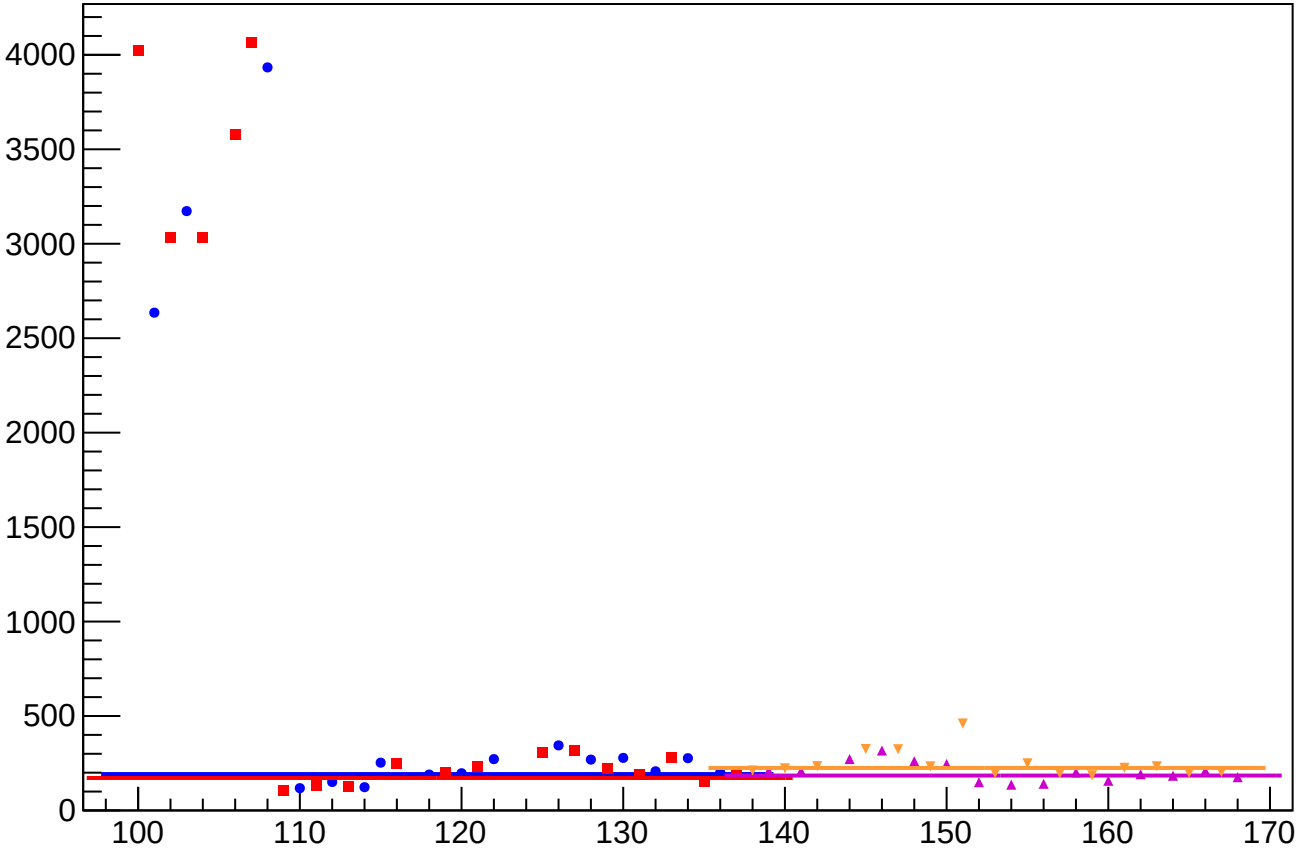
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 89.888+/-46.392 χ^2/NDF:25.9/30

Out: 17.554+/-51.424 χ^2/NDF:26.1/32

All: 57.432+/-34.446 χ^2/NDF: 53.0/63

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 224.939+/-0.048 χ^2/NDF:929349.7/14

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 184.757+/-0.039 χ^2/NDF:1279997.5/14

Left: 200.815+/-0.030 χ^2/NDF: 2630591.0/29

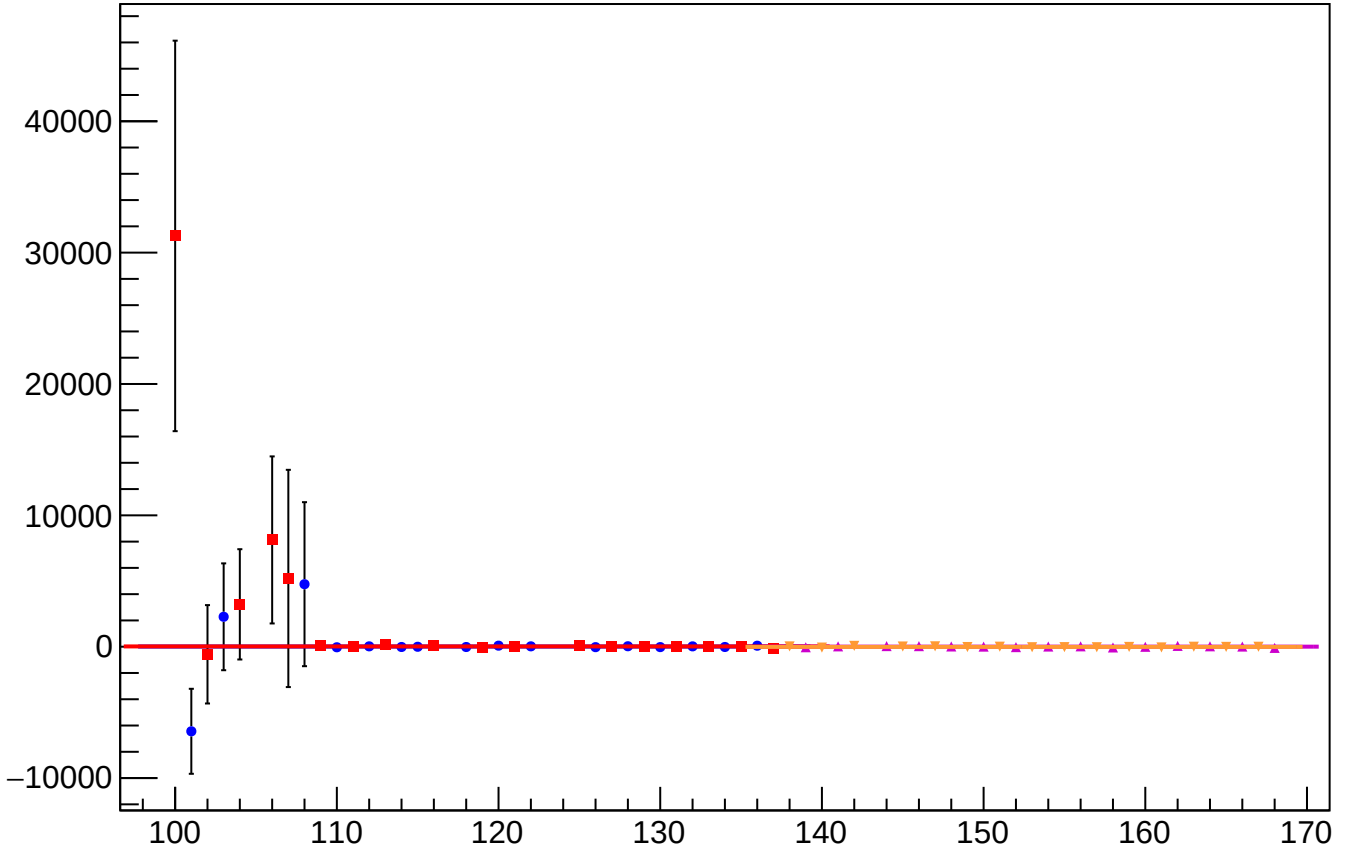
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.078+/-0.033 χ^2/NDF:5114609.5/30

Out: 202.376+/-0.036 χ^2/NDF:5697232.1/32

All: 193.942+/-0.024 χ^2/NDF: 10909413.2/63

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.188+/-9.067 χ^2/NDF:11.5/14

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 3.476+/-8.891 χ^2/NDF:22.5/14

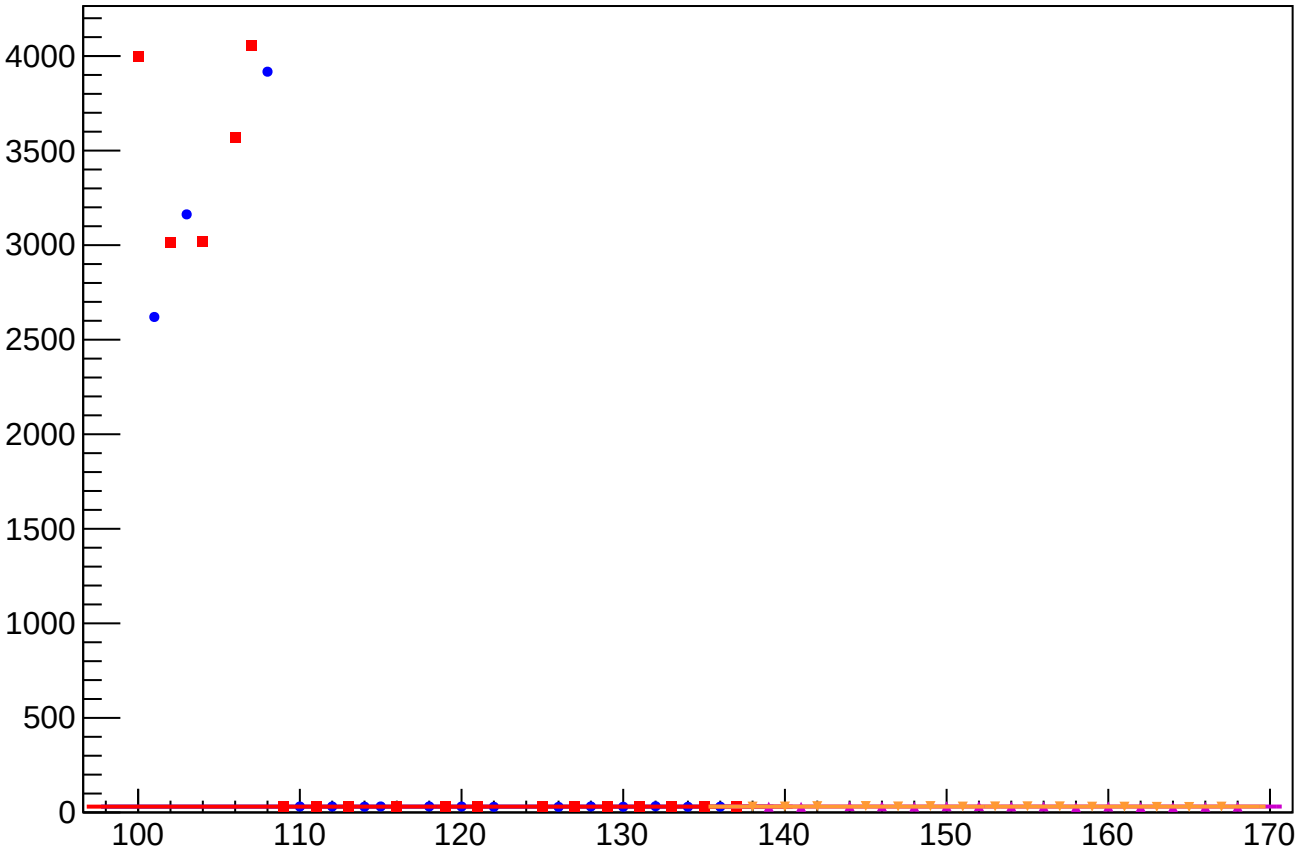
Left: -5.183+/-6.348 χ^2/NDF: 35.9/29

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 6.717+/-7.350 χ^2/NDF:38.4/30

Out: -2.832+/-7.506 χ^2/NDF:44.9/32

All: 2.043+/-5.252 χ^2/NDF: 84.0/63



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.104+/-0.006 χ^2/NDF:41673.5/14

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.215+/-0.006 χ^2/NDF:76829.4/14

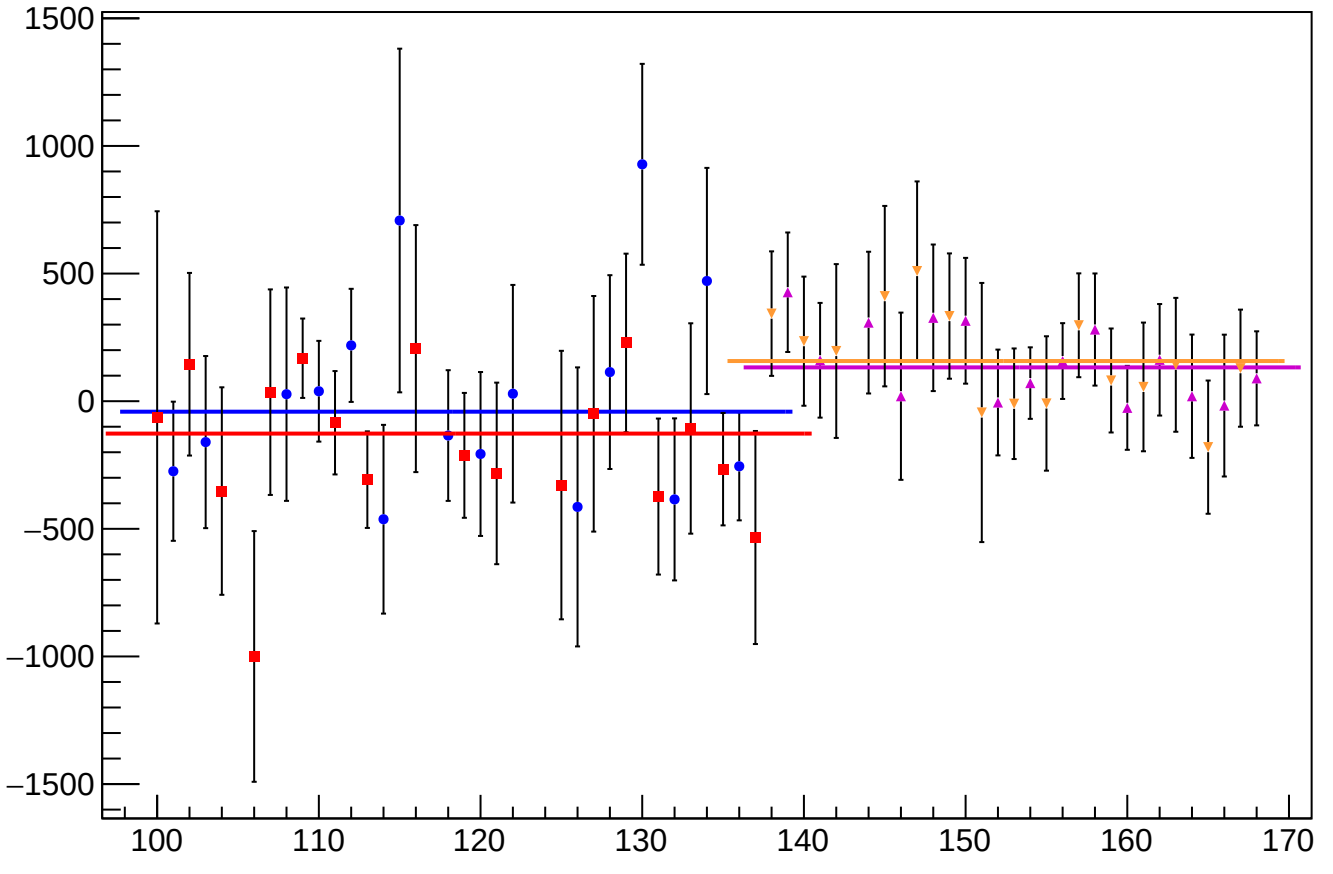
Left: 31.161+/-0.004 χ^2/NDF: 118655.5/29

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.124+/-0.005 χ^2/NDF:3330094.9/30

Out: 31.010+/-0.005 χ^2/NDF:3578321.8/32

All: 31.068+/-0.004 χ^2/NDF: 6908654.5/63



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 157.334+/-66.574 χ^2/NDF:6.3/14

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 132.434+/-53.703 χ^2/NDF:5.8/14

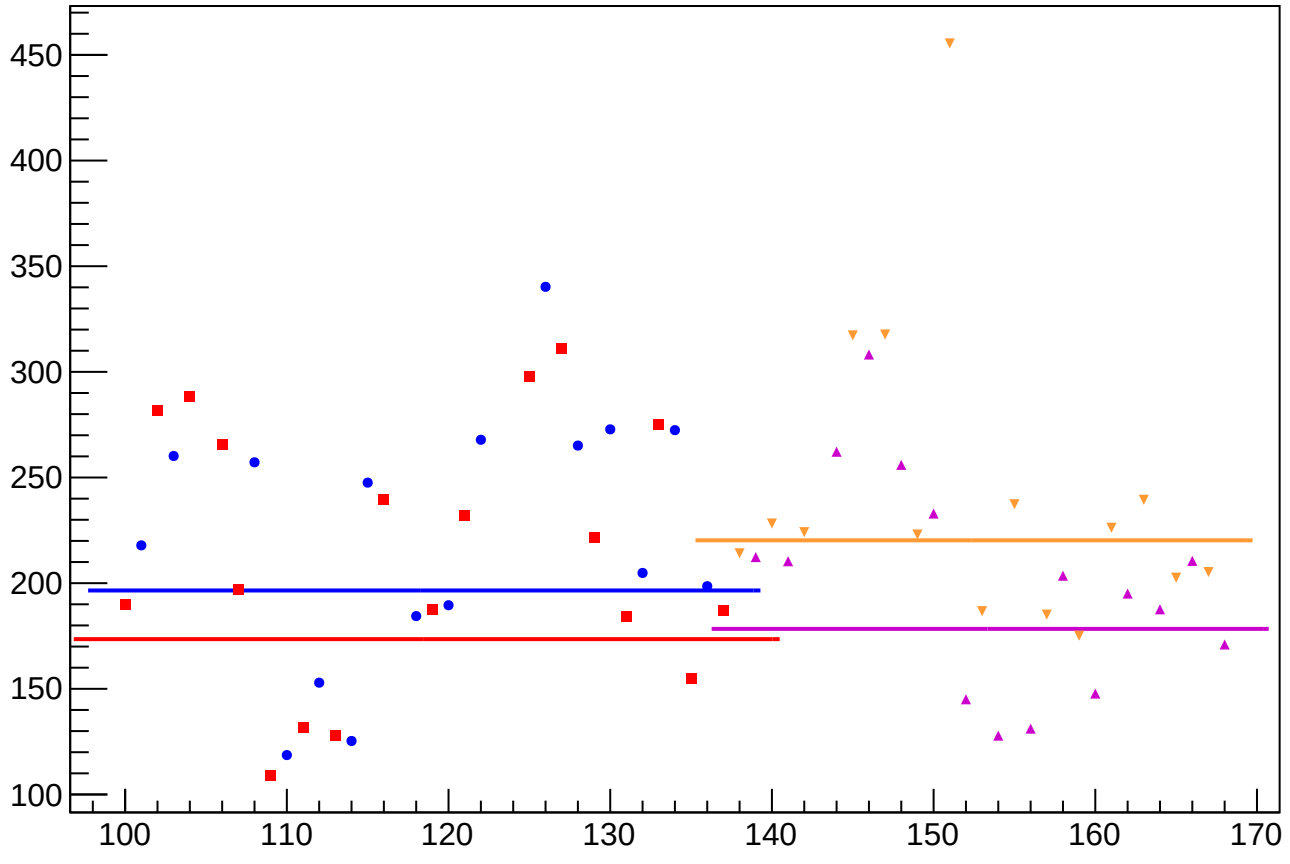
Left: 142.249+/-41.799 χ^2/NDF: 12.2/29

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 75.779+/-44.074 χ^2/NDF:24.8/30

Out: 21.088+/-48.037 χ^2/NDF:27.9/32

All: 50.782+/-32.476 χ^2/NDF: 53.3/63



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.274+/-0.047 χ^2/NDF:981273.2/14

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 178.373+/-0.038 χ^2/NDF:1477702.0/14

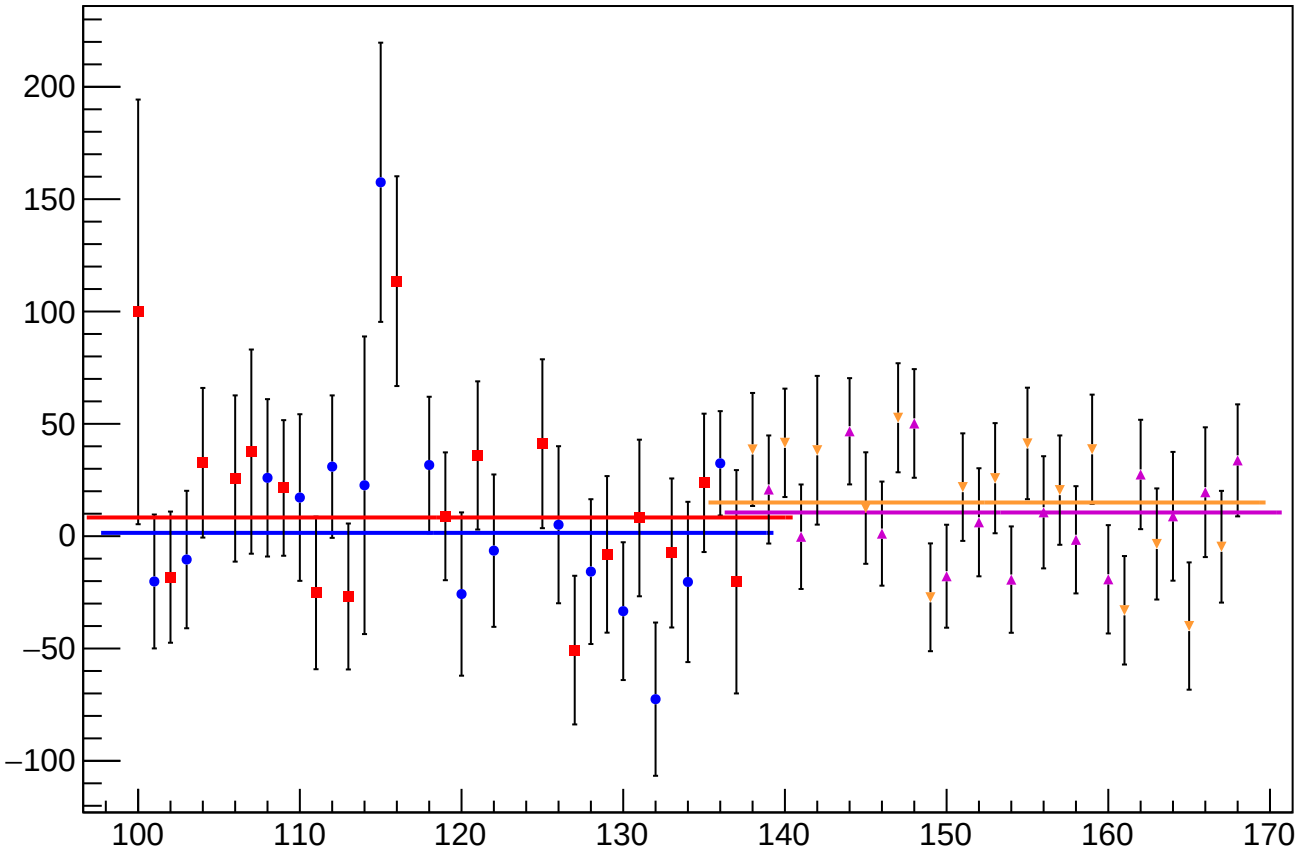
Left: 194.890+/-0.030 χ^2/NDF: 2938924.8/29

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.304+/-0.031 χ^2/NDF:2553208.2/30

Out: 197.857+/-0.034 χ^2/NDF:2987042.9/32

All: 190.499+/-0.023 χ^2/NDF: 5626686.6/63



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 14.991+/-6.469 χ^2/NDF:19.4/14

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 10.547+/-6.306 χ^2/NDF:12.0/14

Left: 12.712+/-4.515 χ^2/NDF: 31.6/29

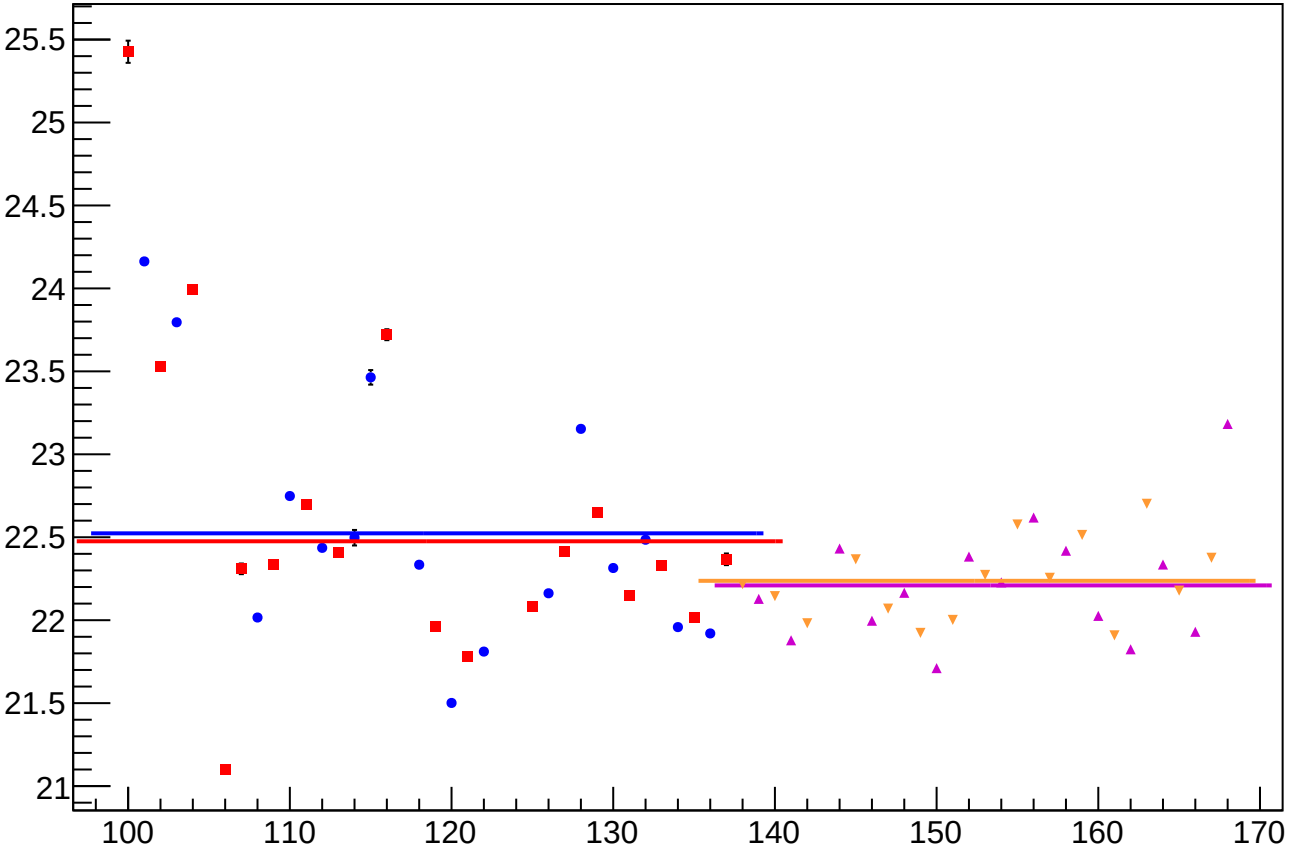
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 7.263+/-5.037 χ^2/NDF:31.4/30

Out: 12.468+/-5.099 χ^2/NDF:35.8/32

All: 9.833+/-3.583 χ^2/NDF: 67.8/63

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: 22.237+/-0.005 χ^2/NDF:2621.4/14

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.210+/-0.004 χ^2/NDF:6412.3/14

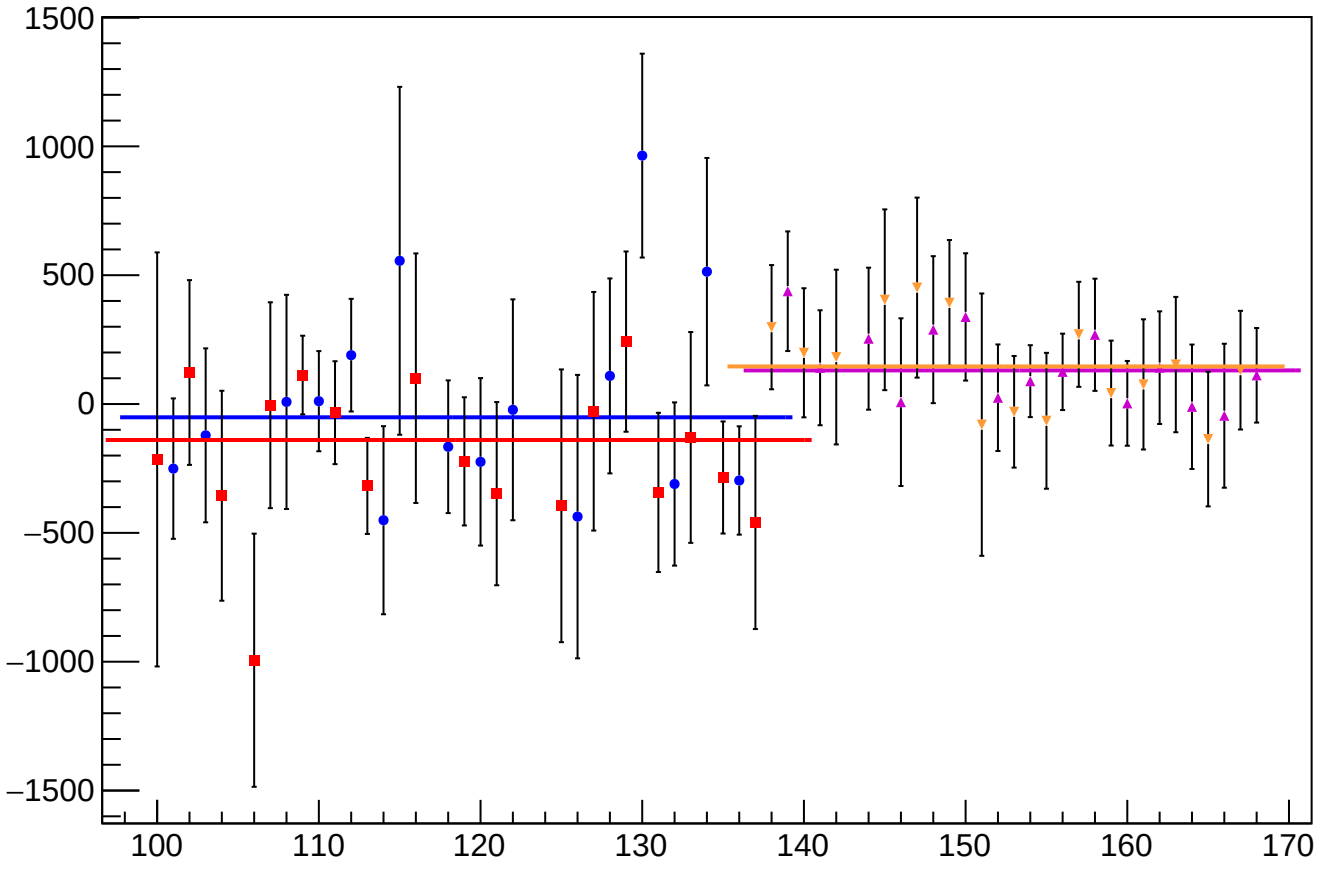
Left: 22.223+/-0.003 χ^2/NDF: 9052.5/29

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.323+/-0.004 χ^2/NDF:24154.4/30

Out: 22.328+/-0.004 χ^2/NDF:19185.8/32

All: 22.325+/-0.003 χ^2/NDF: 43340.9/63



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.903+/-66.459 χ^2/NDF:6.2/14

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 130.536+/-53.542 χ^2/NDF:5.2/14

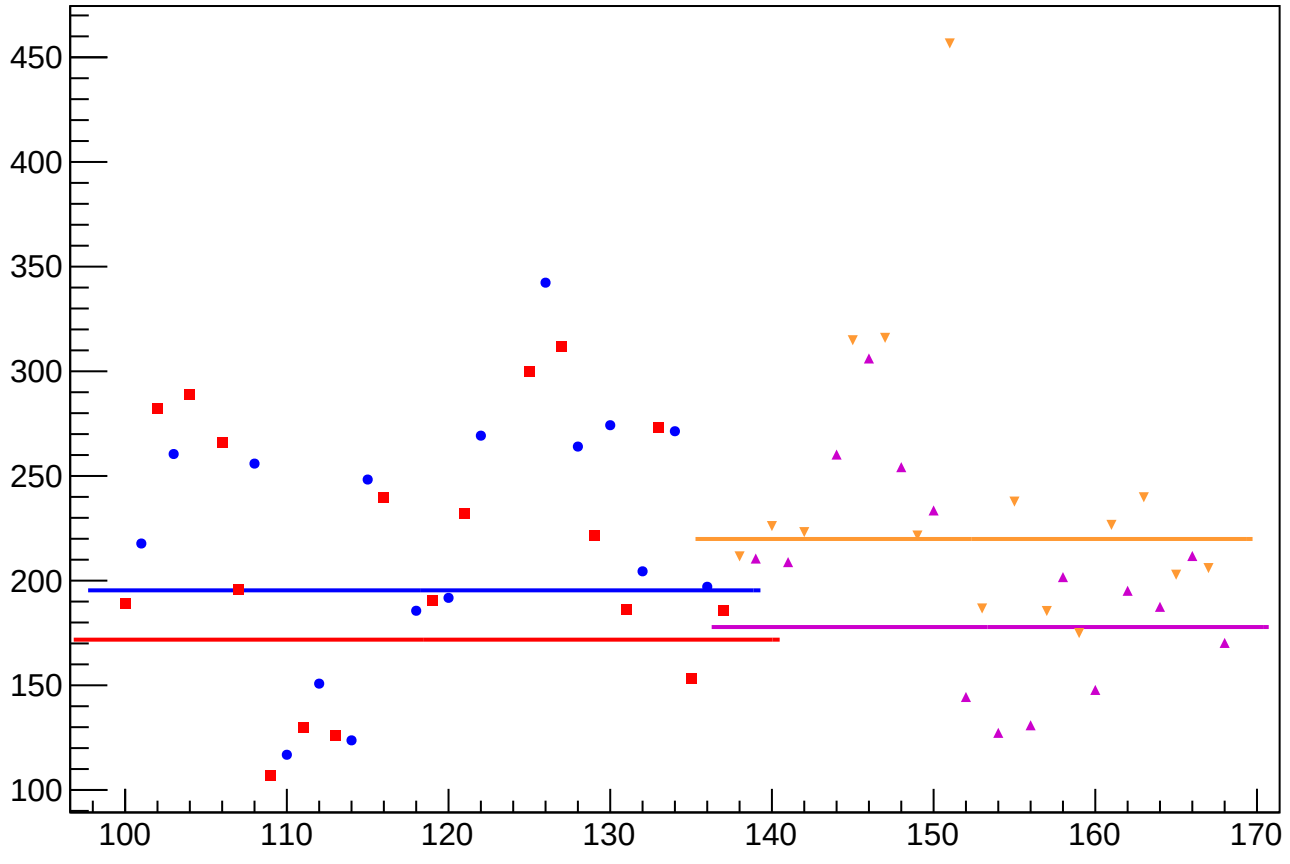
Left: 136.584+/-41.694 χ^2/NDF: 11.4/29

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 70.998+/-43.921 χ^2/NDF:24.3/30

Out: 8.301+/-47.829 χ^2/NDF:26.6/32

All: 42.315+/-32.351 χ^2/NDF: 51.9/63



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.903+/-0.047 χ^2/NDF:973586.2/14

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 177.835+/-0.038 χ^2/NDF:1467361.5/14

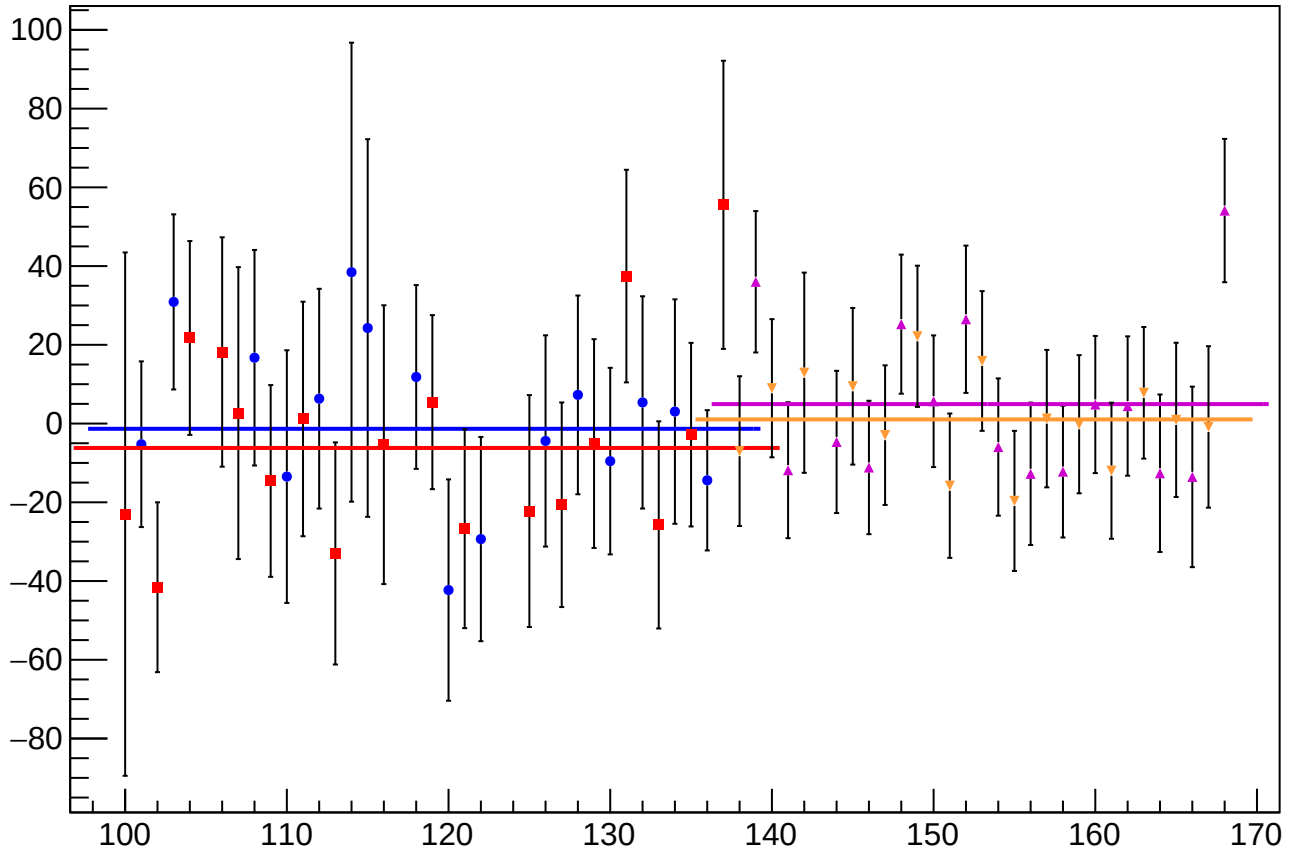
Left: 194.393+/-0.029 χ^2/NDF: 2926893.6/29

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 183.567+/-0.031 χ^2/NDF:2578882.5/30

Out: 196.717+/-0.034 χ^2/NDF:3079232.2/32

All: 189.583+/-0.023 χ^2/NDF: 5740126.0/63



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.055+/-4.761 χ^2/NDF:5.9/14

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.942+/-4.639 χ^2/NDF:18.9/14

Left: 3.049+/-3.323 χ^2/NDF: 25.1/29

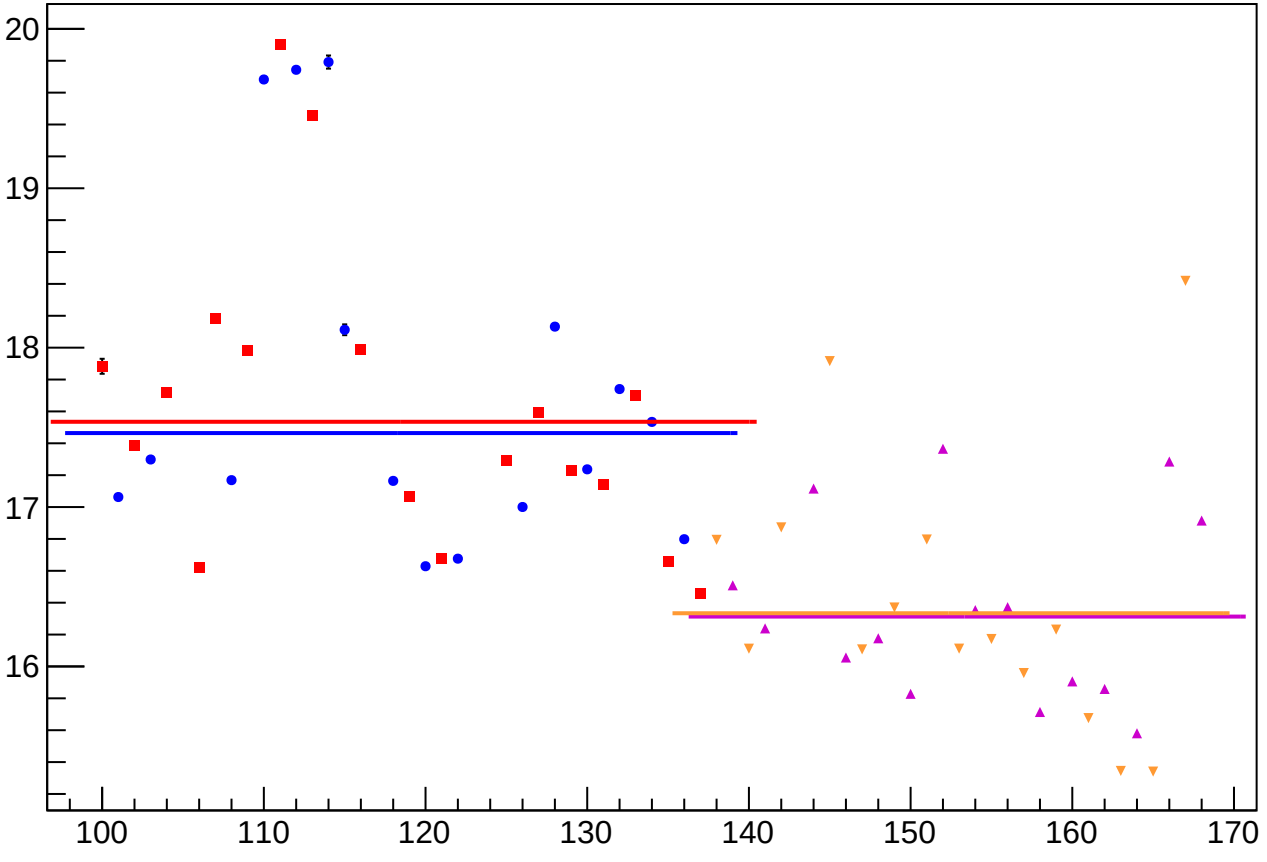
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.825+/-3.776 χ^2/NDF:27.5/30

Out: -1.491+/-3.835 χ^2/NDF:20.1/32

All: 0.701+/-2.691 χ^2/NDF: 48.3/63

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: 16.334+/-0.003 χ^2/NDF:53838.4/14

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.313+/-0.003 χ^2/NDF:26289.4/14

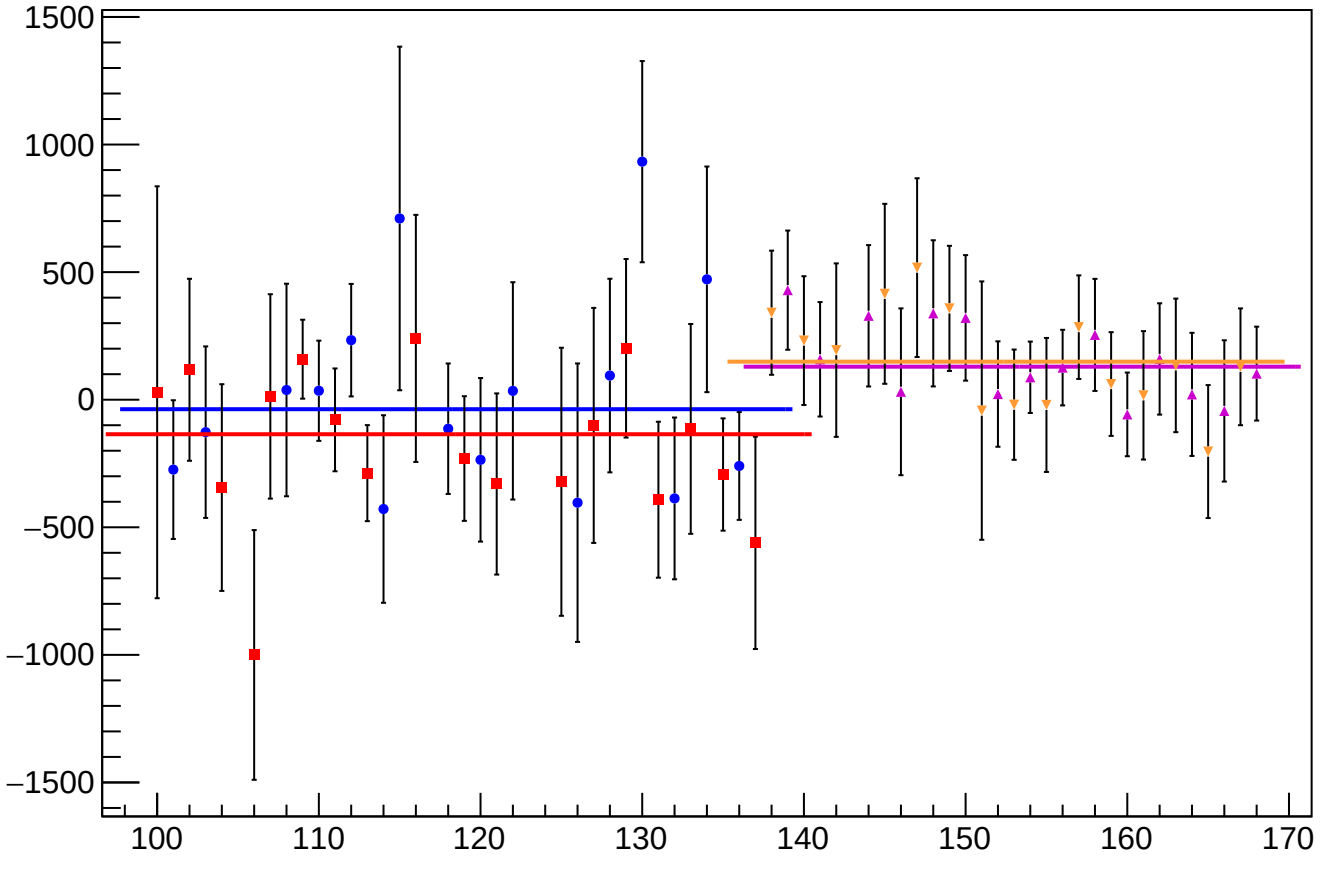
Left: 16.323+/-0.002 χ^2/NDF: 80147.6/29

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.702+/-0.003 χ^2/NDF:104522.4/30

Out: 16.756+/-0.003 χ^2/NDF:133014.0/32

All: 16.728+/-0.002 χ^2/NDF: 237737.8/63



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 149.151+/-66.427 χ^2/NDF:7.1/14

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 129.406+/-53.598 χ^2/NDF:6.0/14

Left: 137.192+/-41.713 χ^2/NDF: 13.1/29

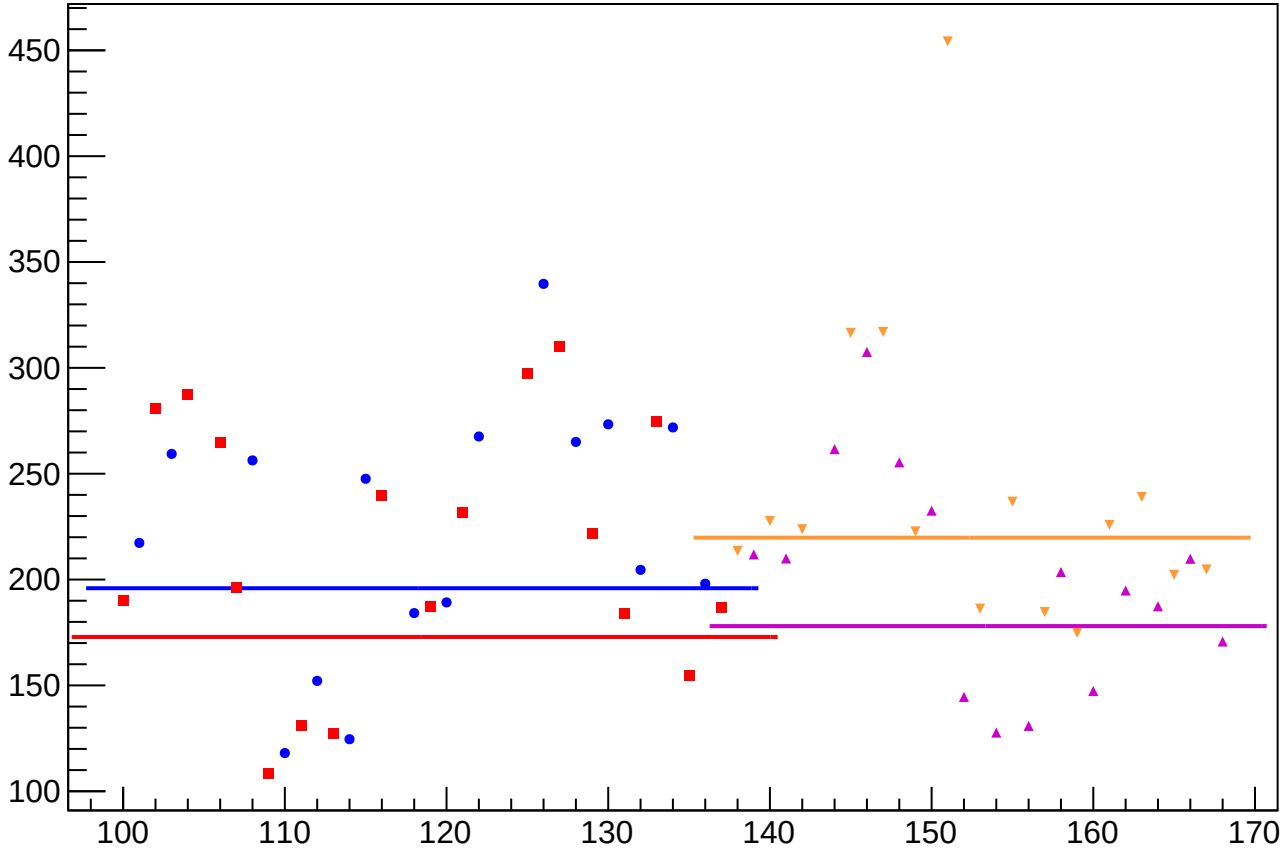
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 74.933+/-43.974 χ^2/NDF:24.8/30

Out: 12.661+/-47.907 χ^2/NDF:28.7/32

All: 46.458+/-32.396 χ^2/NDF: 54.4/63

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: 219.791+/-0.047 χ^2/NDF:980992.8/14

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 178.028+/-0.038 χ^2/NDF:1477698.6/14

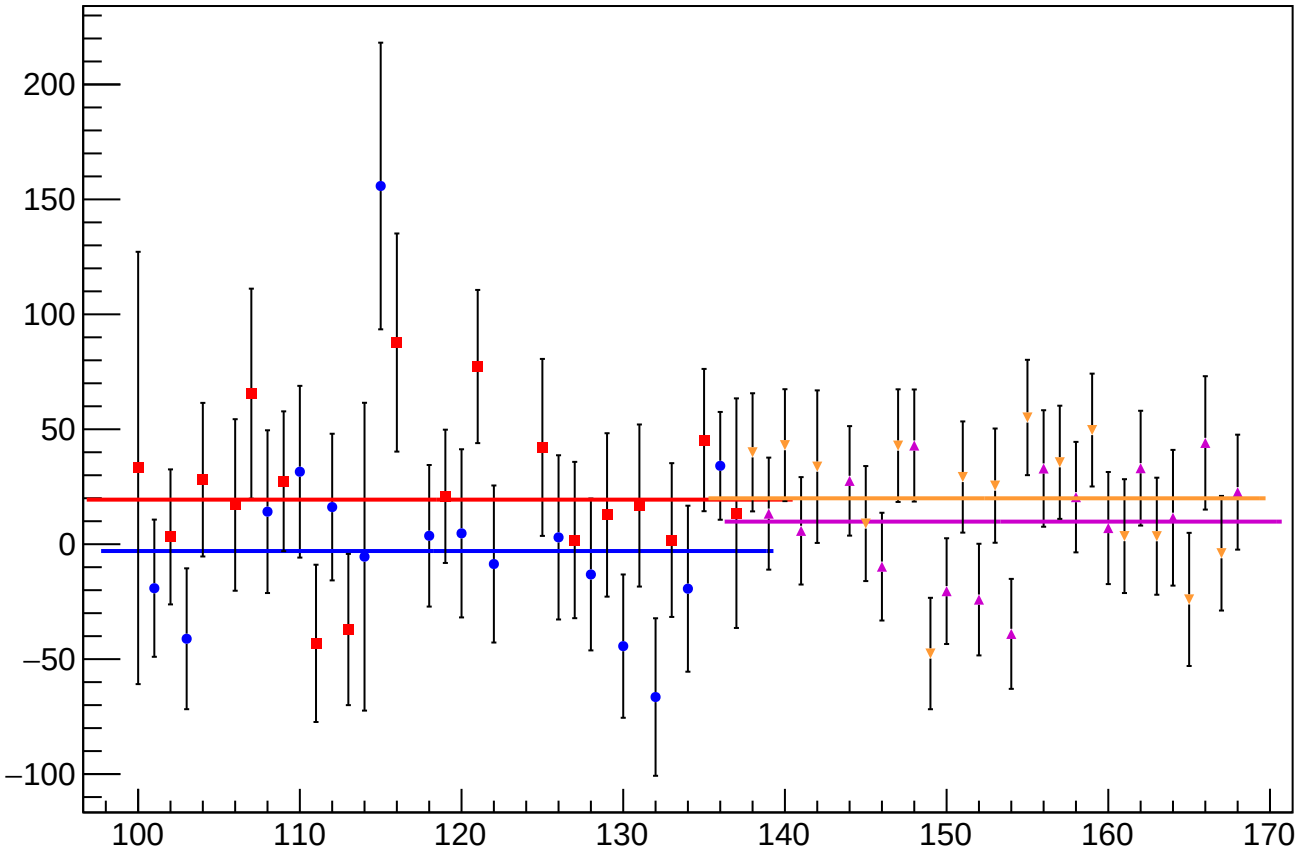
Left: 194.496+/-0.029 χ^2/NDF: 2937496.1/29

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.870+/-0.031 χ^2/NDF:2561390.9/30

Out: 197.276+/-0.034 χ^2/NDF:3003043.4/32

All: 190.000+/-0.023 χ^2/NDF: 5649437.2/63



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 19.969+/-6.554 χ^2/NDF:18.6/14

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 9.824+/-6.373 χ^2/NDF:14.6/14

Left: 14.754+/-4.569 χ^2/NDF: 34.4/29

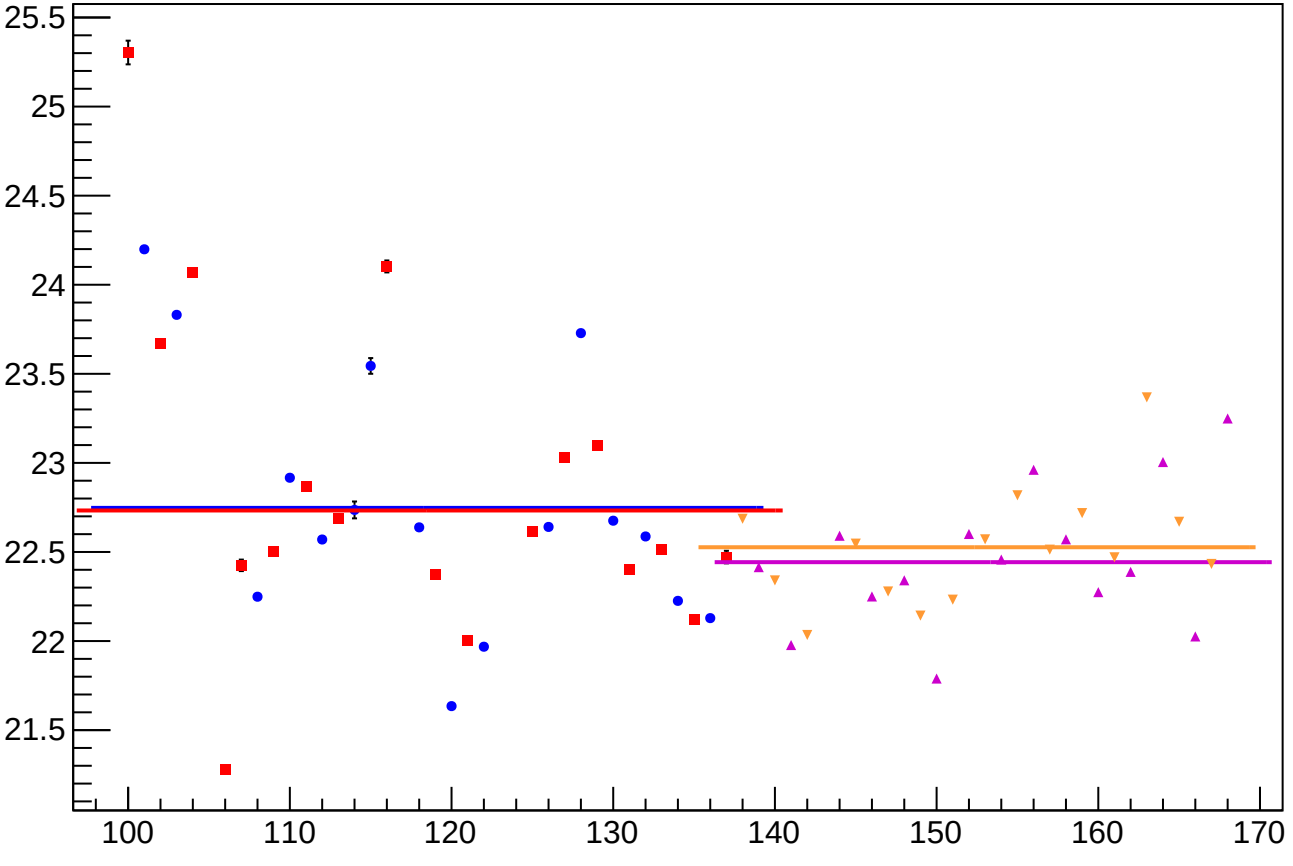
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 5.189+/-5.089 χ^2/NDF:33.9/30

Out: 19.748+/-5.163 χ^2/NDF:33.1/32

All: 12.364+/-3.624 χ^2/NDF: 71.1/63

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: 22.527+/-0.005 χ^2/NDF:4308.8/14

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.443+/-0.005 χ^2/NDF:6958.4/14

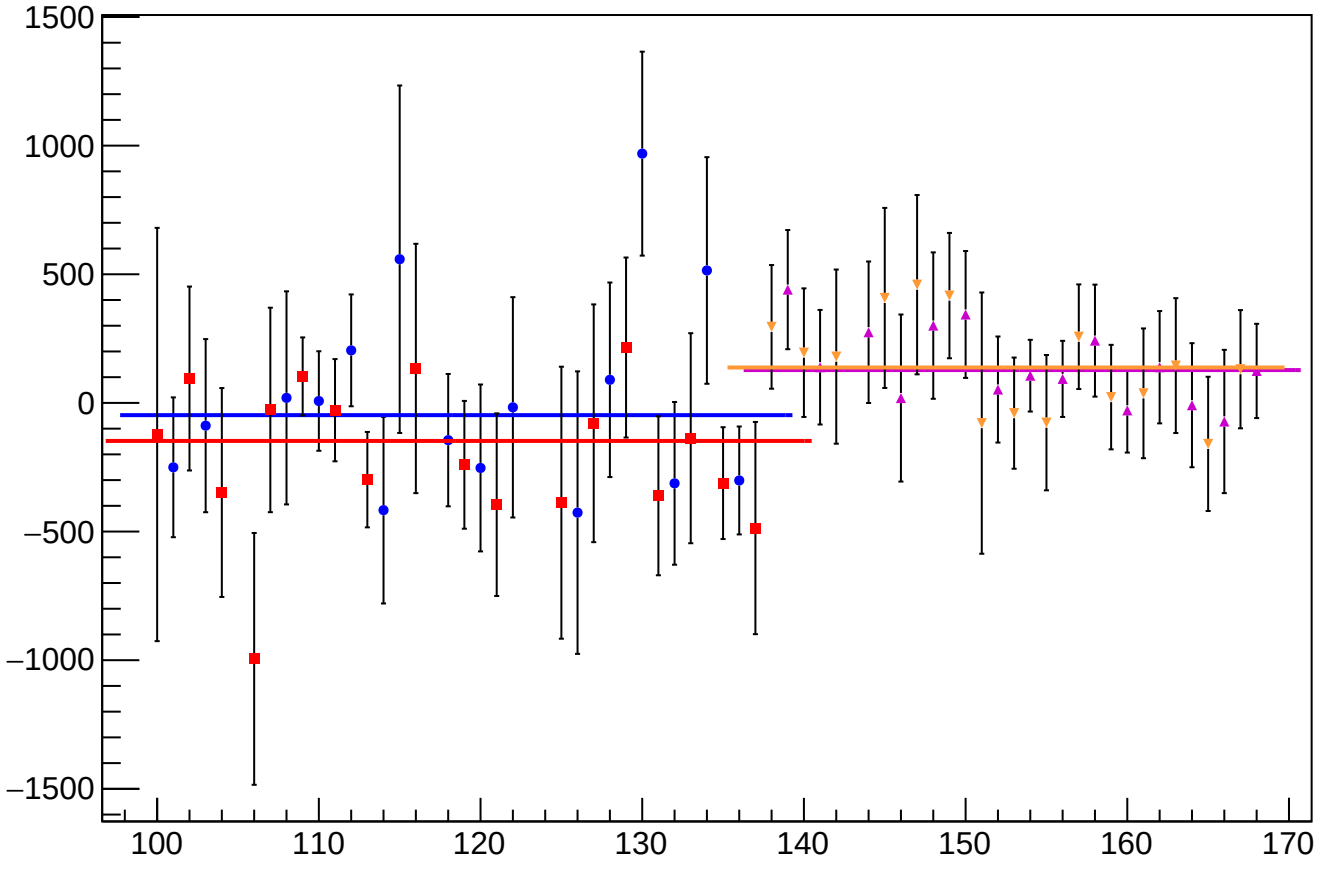
Left: 22.483+/-0.003 χ^2/NDF: 11435.0/29

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.553+/-0.004 χ^2/NDF:23237.9/30

Out: 22.605+/-0.004 χ^2/NDF:19451.0/32

All: 22.579+/-0.003 χ^2/NDF: 42790.6/63



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.648+/-66.312 χ^2/NDF:6.9/14

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 127.618+/-53.438 χ^2/NDF:5.6/14

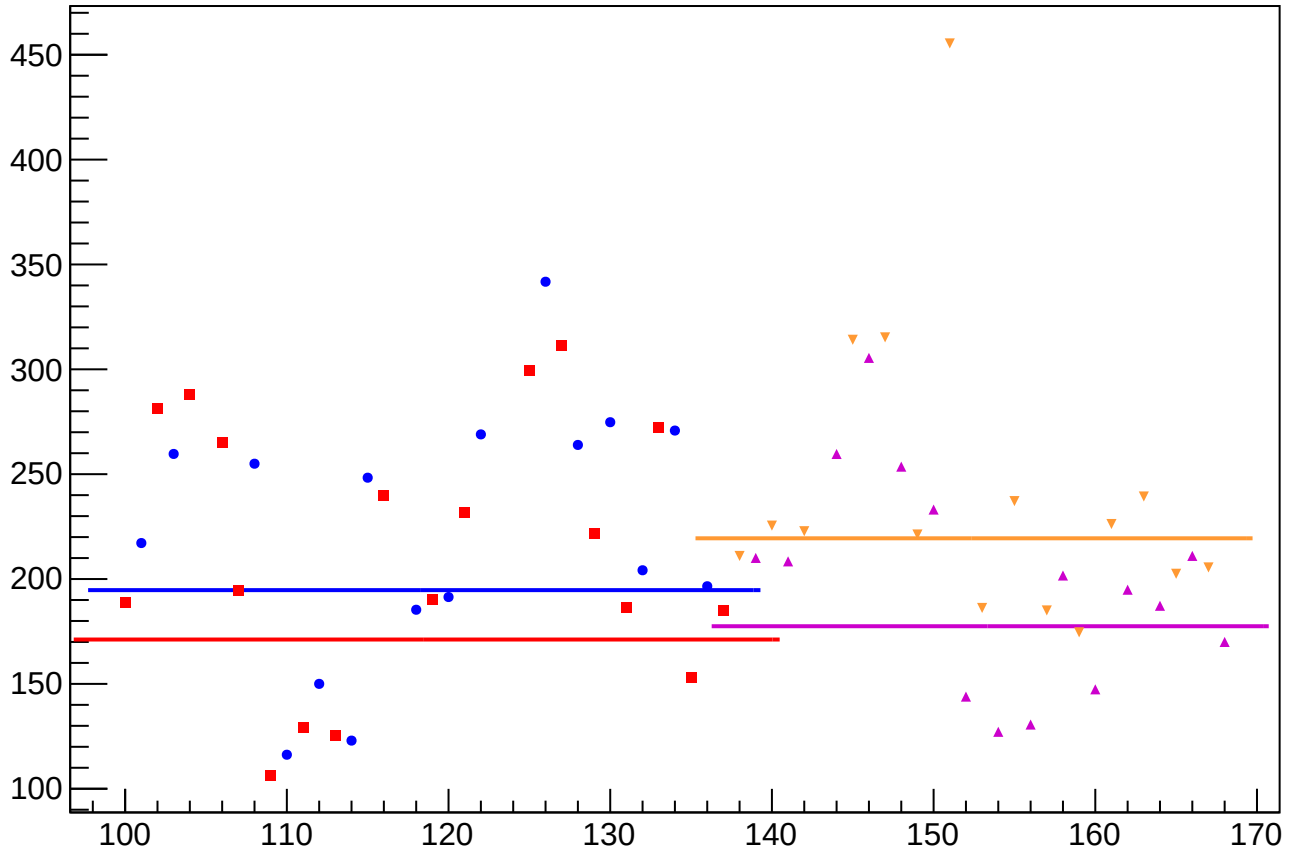
Left: 131.567+/-41.609 χ^2/NDF: 12.5/29

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 70.255+/-43.822 χ^2/NDF:24.5/30

Out: -0.119+/-47.698 χ^2/NDF:27.4/32

All: 38.043+/-32.270 χ^2/NDF: 53.1/63



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 219.421+/-0.047 χ^2/NDF:973311.7/14

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 177.493+/-0.038 χ^2/NDF:1467233.6/14

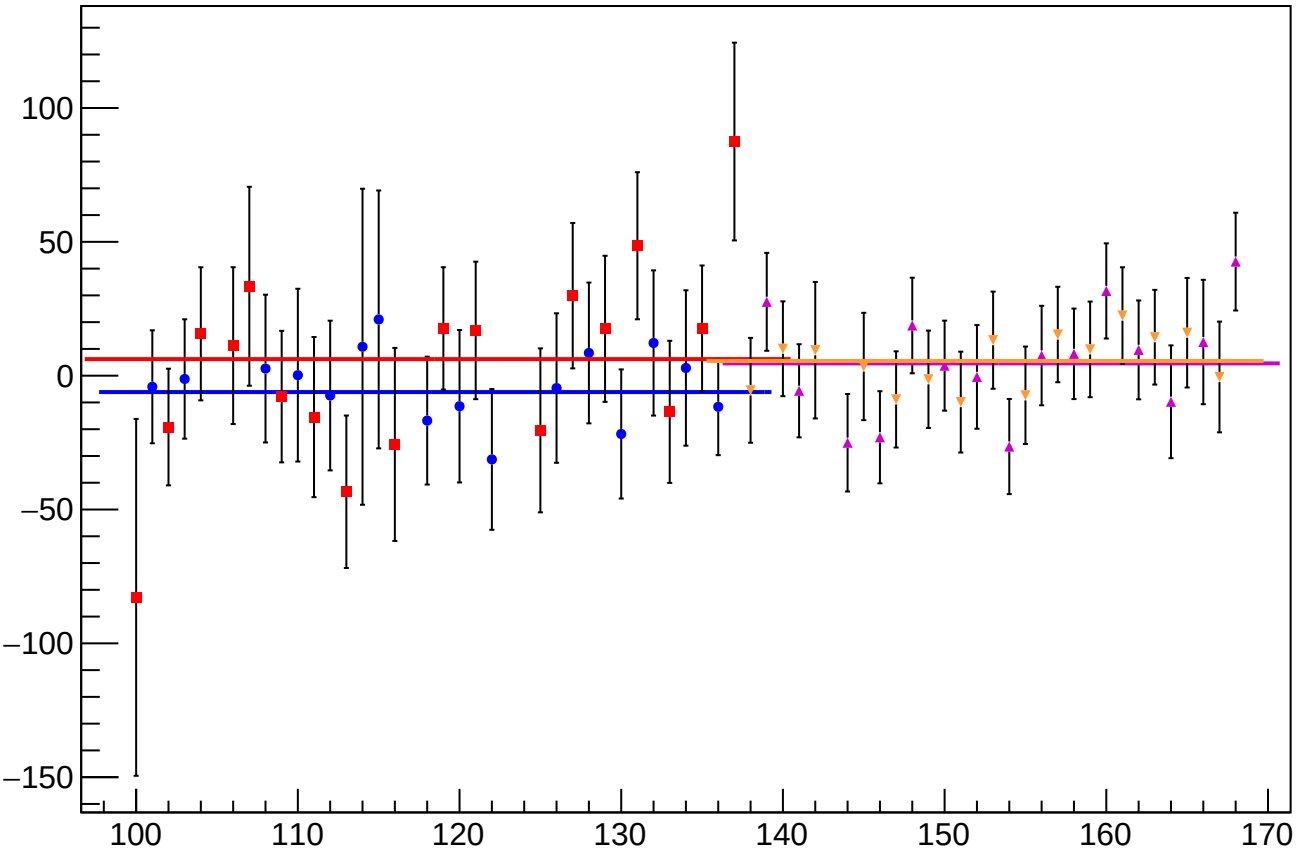
Left: 194.001+/-0.029 χ^2/NDF: 2925308.8/29

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.131+/-0.031 χ^2/NDF:2587503.6/30

Out: 196.128+/-0.034 χ^2/NDF:3096582.5/32

All: 189.080+/-0.023 χ^2/NDF: 5764607.5/63



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.492+/-4.875 χ^2/NDF:4.4/14

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.590+/-4.725 χ^2/NDF:18.3/14

Left: 5.027+/-3.393 χ^2/NDF: 22.7/29

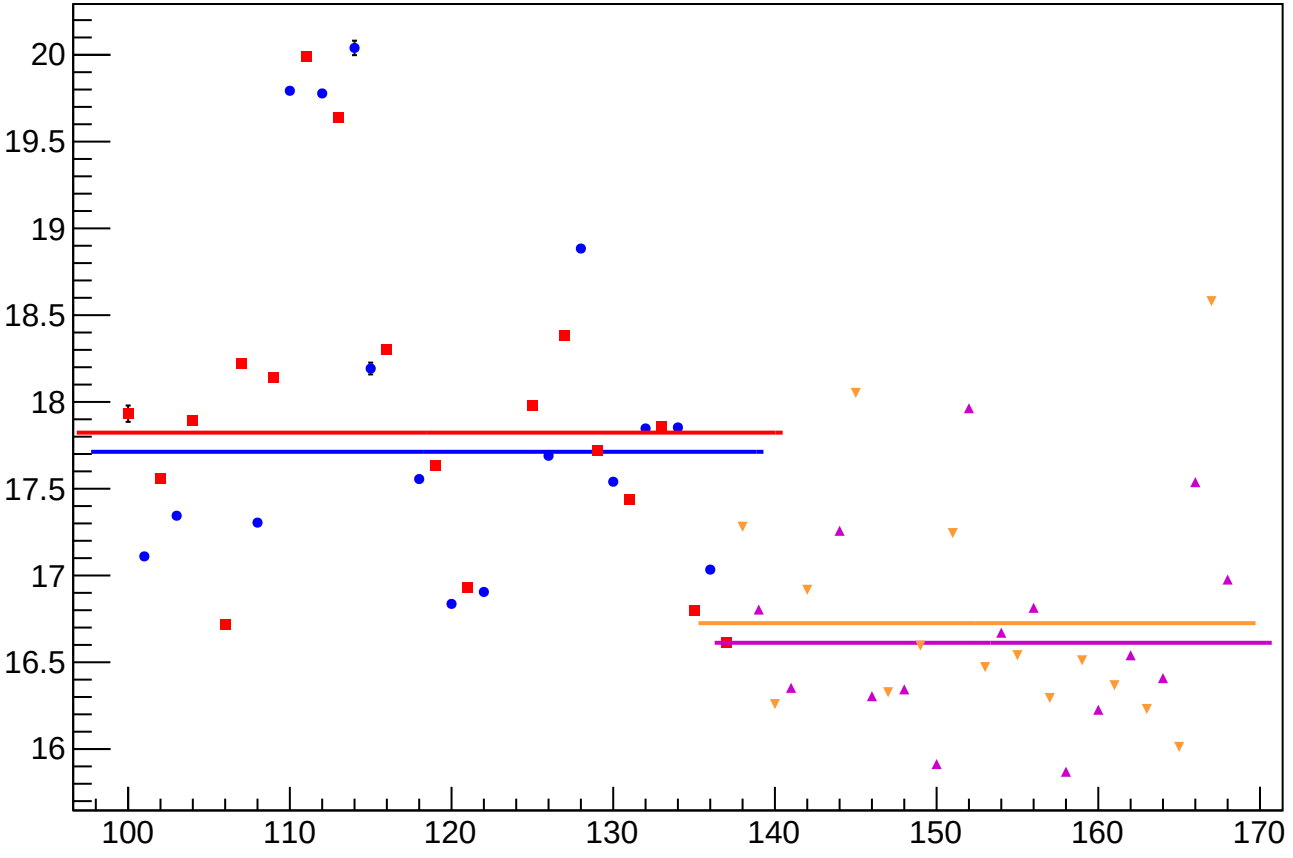
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 0.955+/-3.841 χ^2/NDF:23.1/30

Out: 5.741+/-3.917 χ^2/NDF:23.0/32

All: 3.301+/-2.742 χ^2/NDF: 46.9/63

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.725+/-0.003 χ^2/NDF:37390.4/14

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.612+/-0.003 χ^2/NDF:26704.0/14

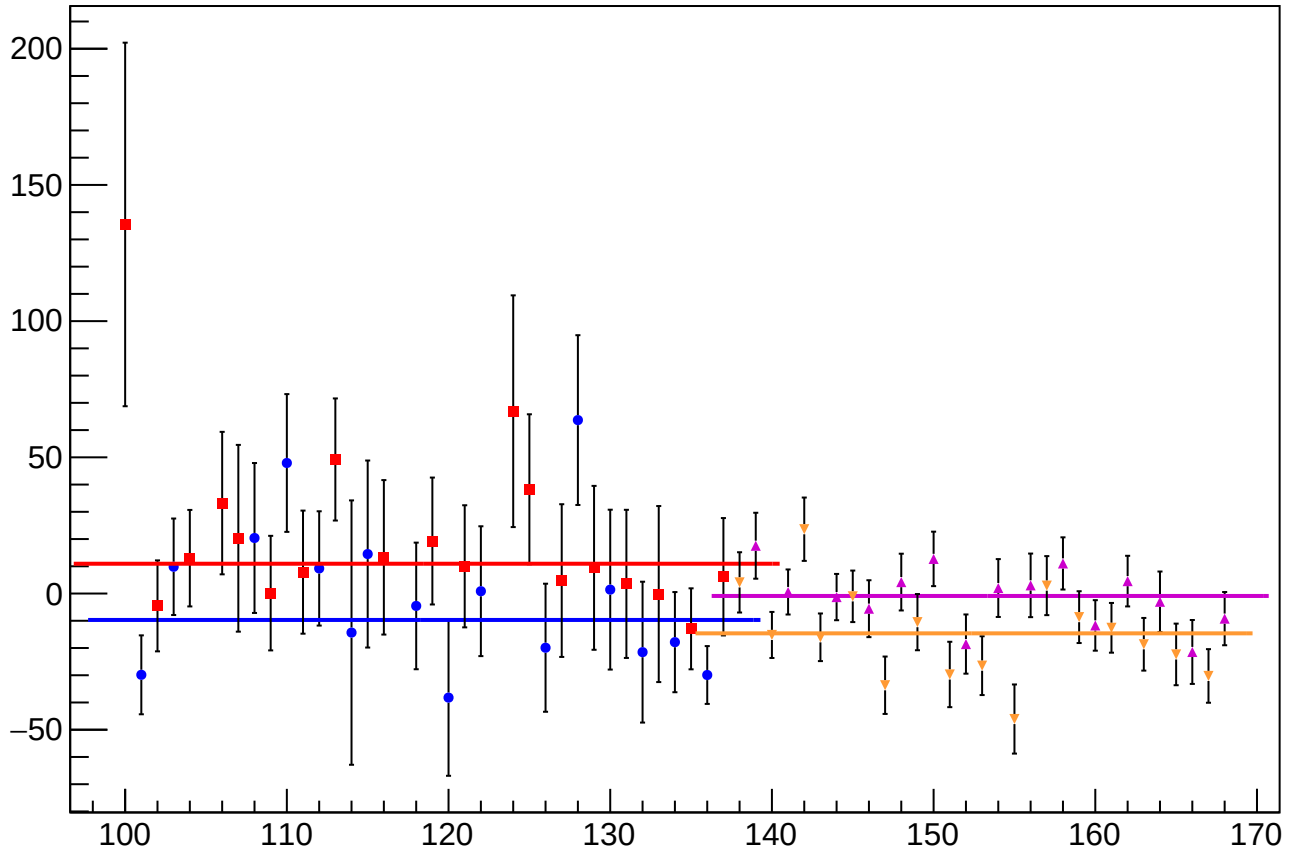
Left: 16.667+/-0.002 χ^2/NDF: 64648.2/29

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

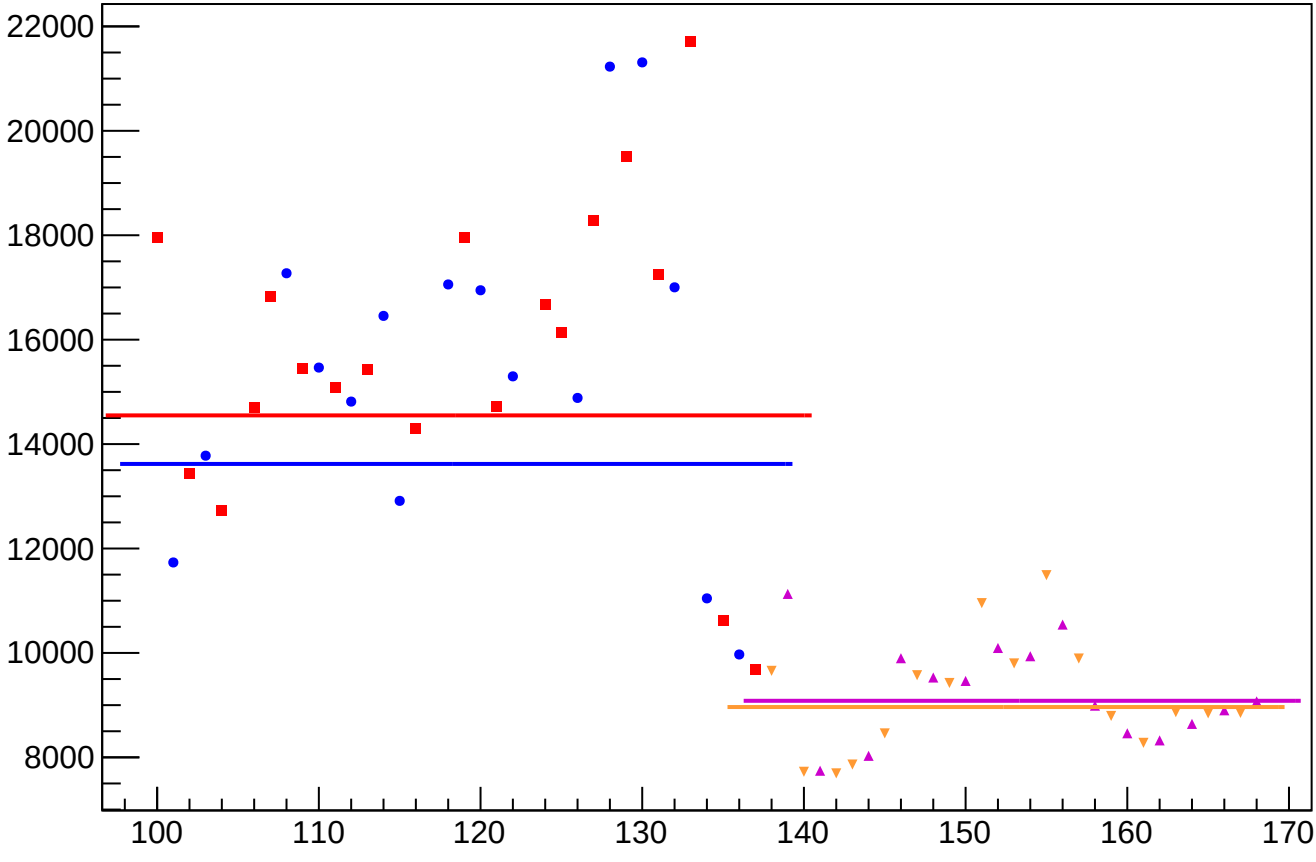
In: 16.986+/-0.003 χ^2/NDF:99496.7/30

Out: 17.114+/-0.003 χ^2/NDF:105840.7/32

All: 17.049+/-0.002 χ^2/NDF: 206435.7/63


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -14.618+/-2.545 χ²/NDF:34.4/15
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: -0.892+/-2.597 χ²/NDF:14.6/14
Left: -7.893+/-1.818 χ²/NDF: 63.2/30
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.633+/-2.326 χ²/NDF:38.8/30
Out: -10.024+/-2.305 χ²/NDF:66.6/34
All: -6.362+/-1.637 χ²/NDF: 110.5/65

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8963.654+/-1.800 χ^2/NDF:296431.2/15

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9083.301+/-1.836 χ^2/NDF:246907.8/14

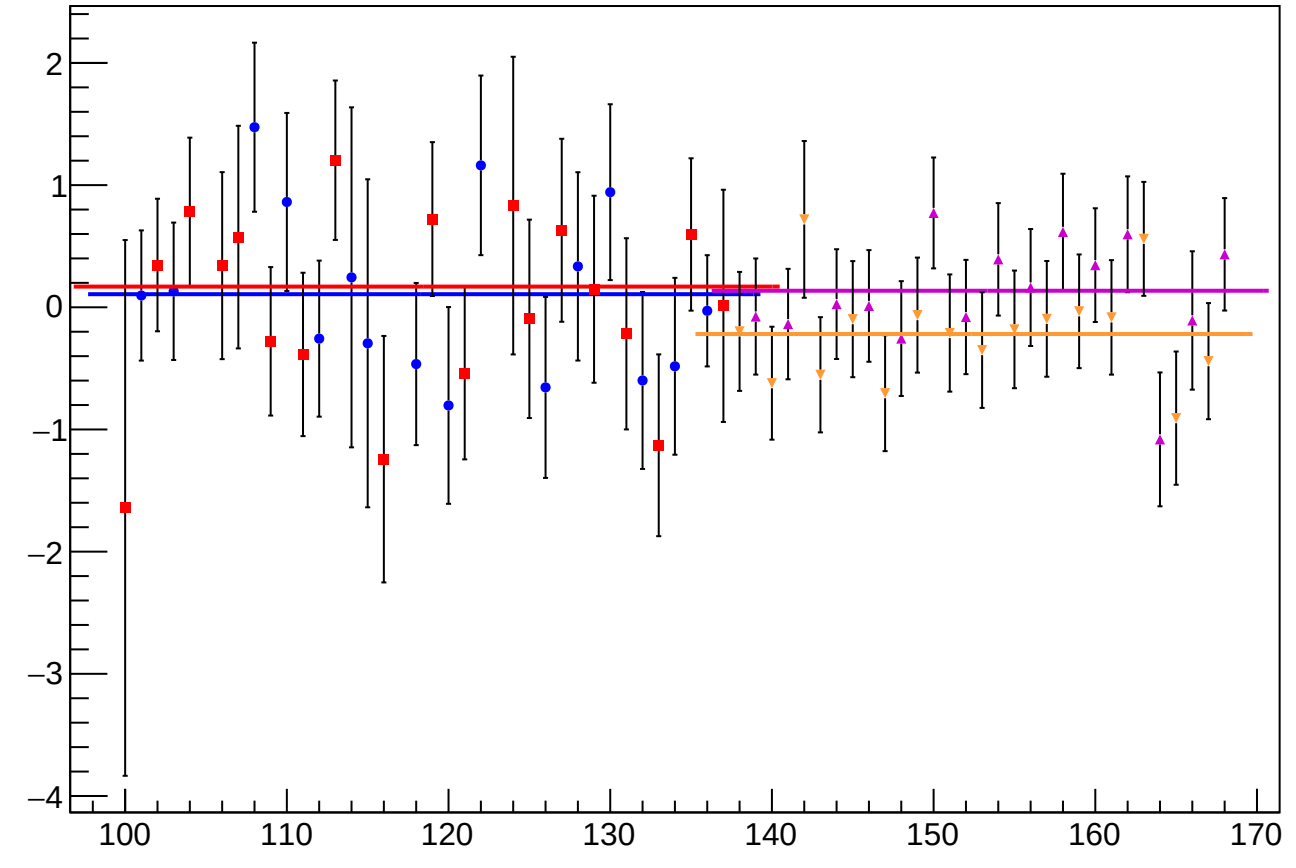
Left: 9022.276+/-1.285 χ^2/NDF: 545504.9/30

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9980.010+/-1.645 χ^2/NDF:2200600.0/30

Out: 9967.843+/-1.630 χ^2/NDF:2584455.8/34

All: 9973.872+/-1.158 χ^2/NDF: 4785083.4/65



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.219+/-0.121 χ^2/NDF:9.6/15

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.135+/-0.122 χ^2/NDF:11.6/14

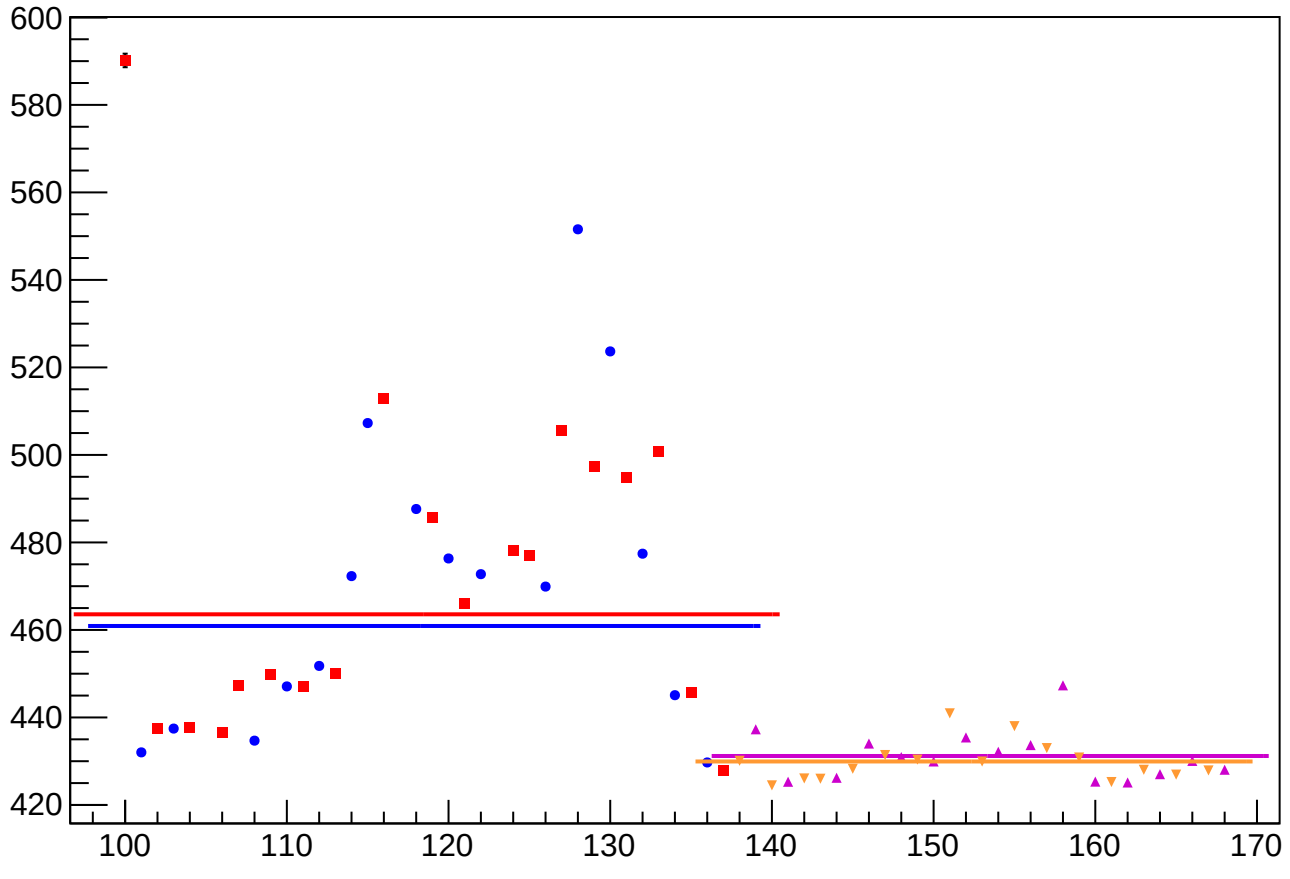
Left: -0.044+/-0.086 χ^2/NDF: 25.4/30

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.126+/-0.100 χ^2/NDF:25.3/30

Out: -0.088+/-0.098 χ^2/NDF:27.2/34

All: 0.018+/-0.070 χ^2/NDF: 54.8/65



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.941+/-0.086 χ^2/NDF:2574.4/15

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.192+/-0.087 χ^2/NDF:4392.1/14

Left: 430.559+/-0.061 χ^2/NDF: 7072.3/30

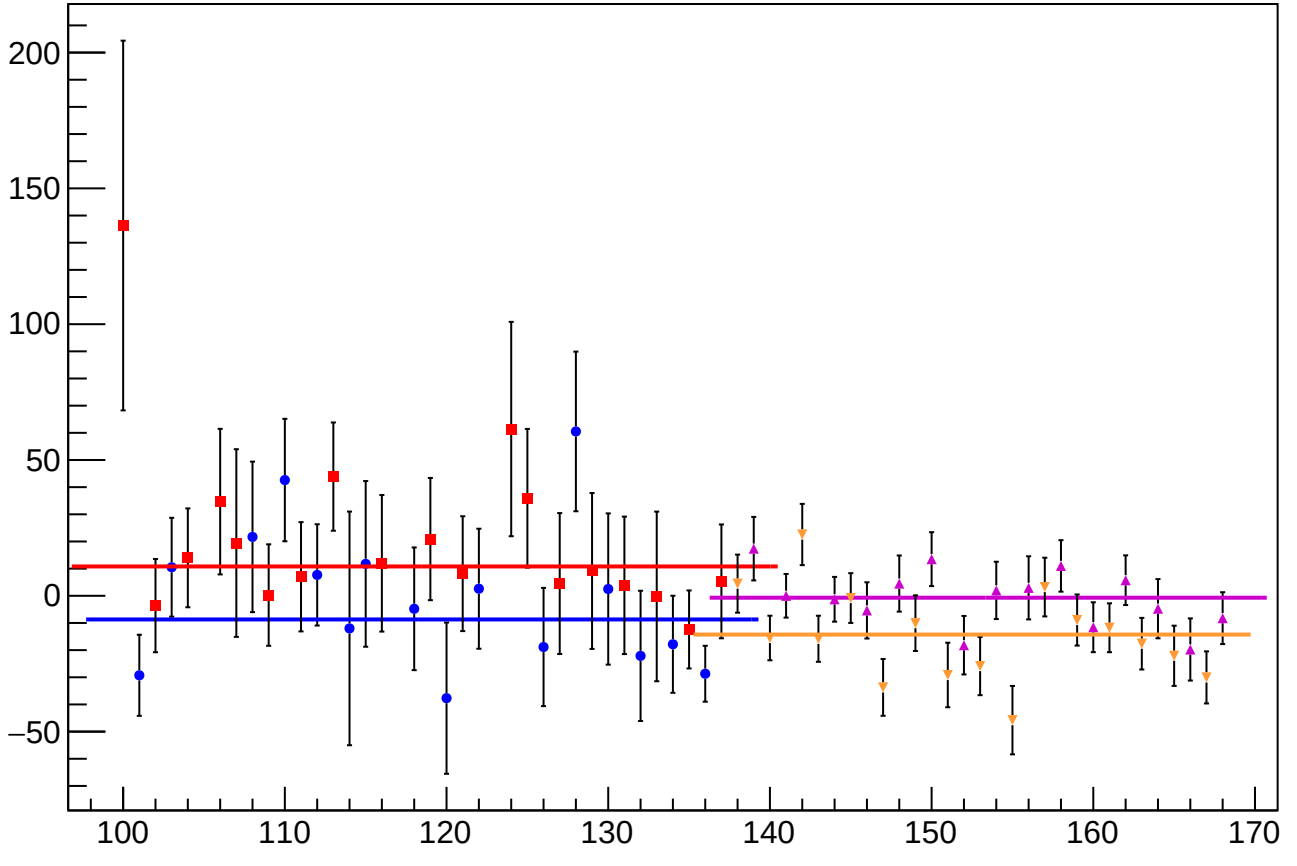
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 441.204+/-0.070 χ^2/NDF:119035.9/30

Out: 441.293+/-0.070 χ^2/NDF:106952.7/34

All: 441.249+/-0.050 χ^2/NDF: 225989.4/65

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -14.274+/-2.497 χ^2/NDF:34.9/15

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -0.702+/-2.553 χ^2/NDF:14.7/14

Left: -7.638+/-1.785 χ^2/NDF: 64.0/30

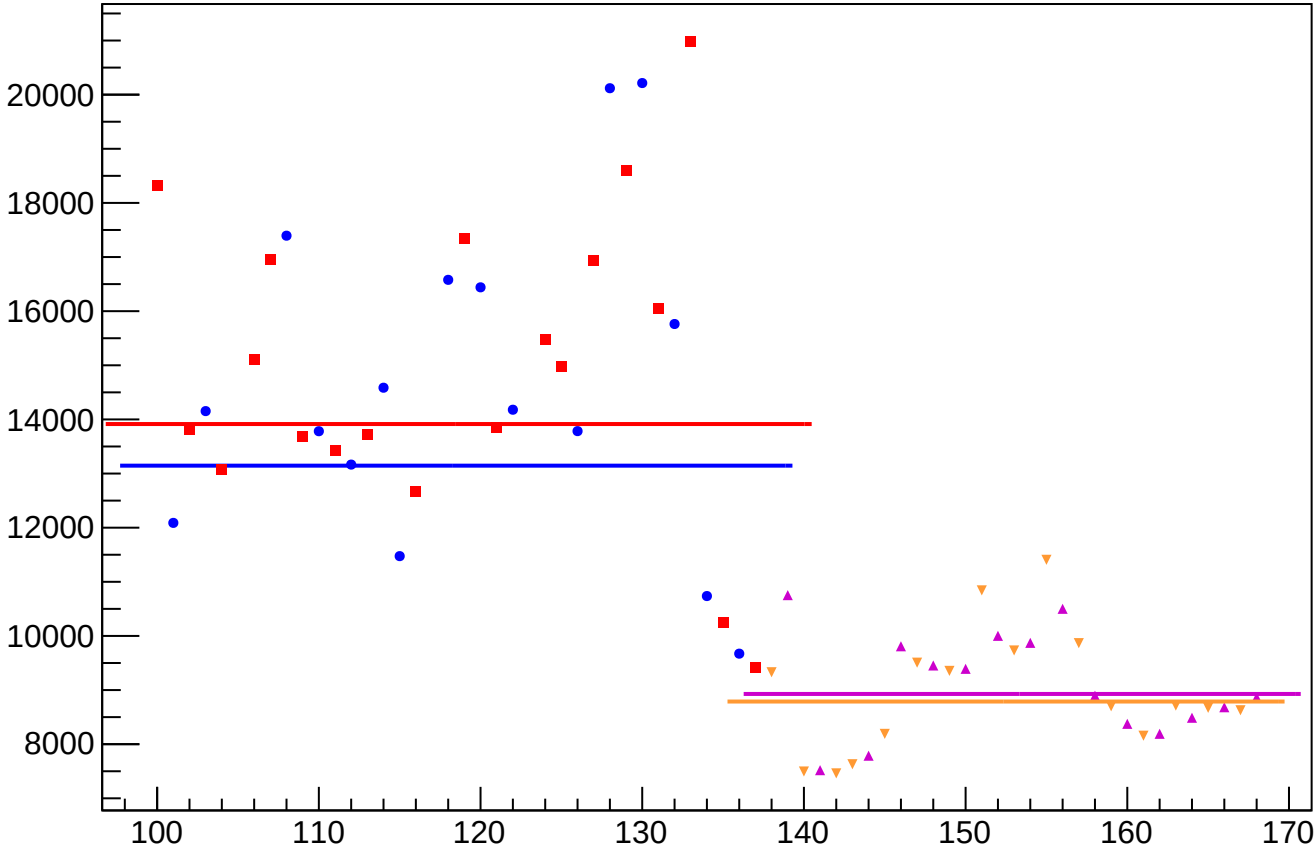
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -2.339+/-2.277 χ^2/NDF:38.9/30

Out: -9.561+/-2.250 χ^2/NDF:67.8/34

All: -5.993+/-1.601 χ^2/NDF: 111.8/65

diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8788.115+/-1.766 χ^2/NDF:336360.2/15

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8928.176+/-1.806 χ^2/NDF:269619.5/14

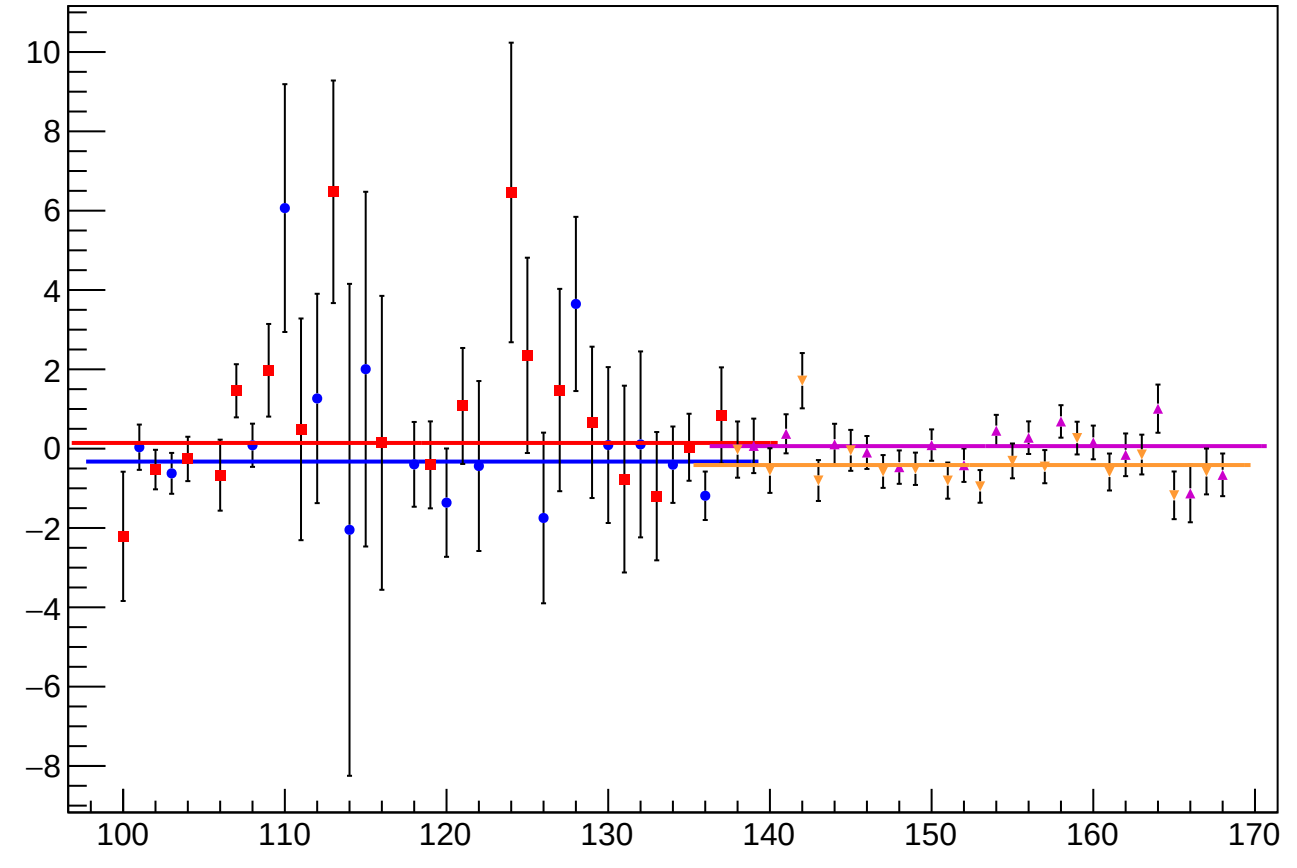
Left: 8856.591+/-1.262 χ^2/NDF: 609055.3/30

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9790.765+/-1.610 χ^2/NDF:2068278.7/30

Out: 9751.483+/-1.591 χ^2/NDF:2431181.0/34

All: 9770.891+/-1.132 χ^2/NDF: 4499760.7/65



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.413+/-0.121 χ^2/NDF:18.3/15

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.064+/-0.121 χ^2/NDF:14.1/14

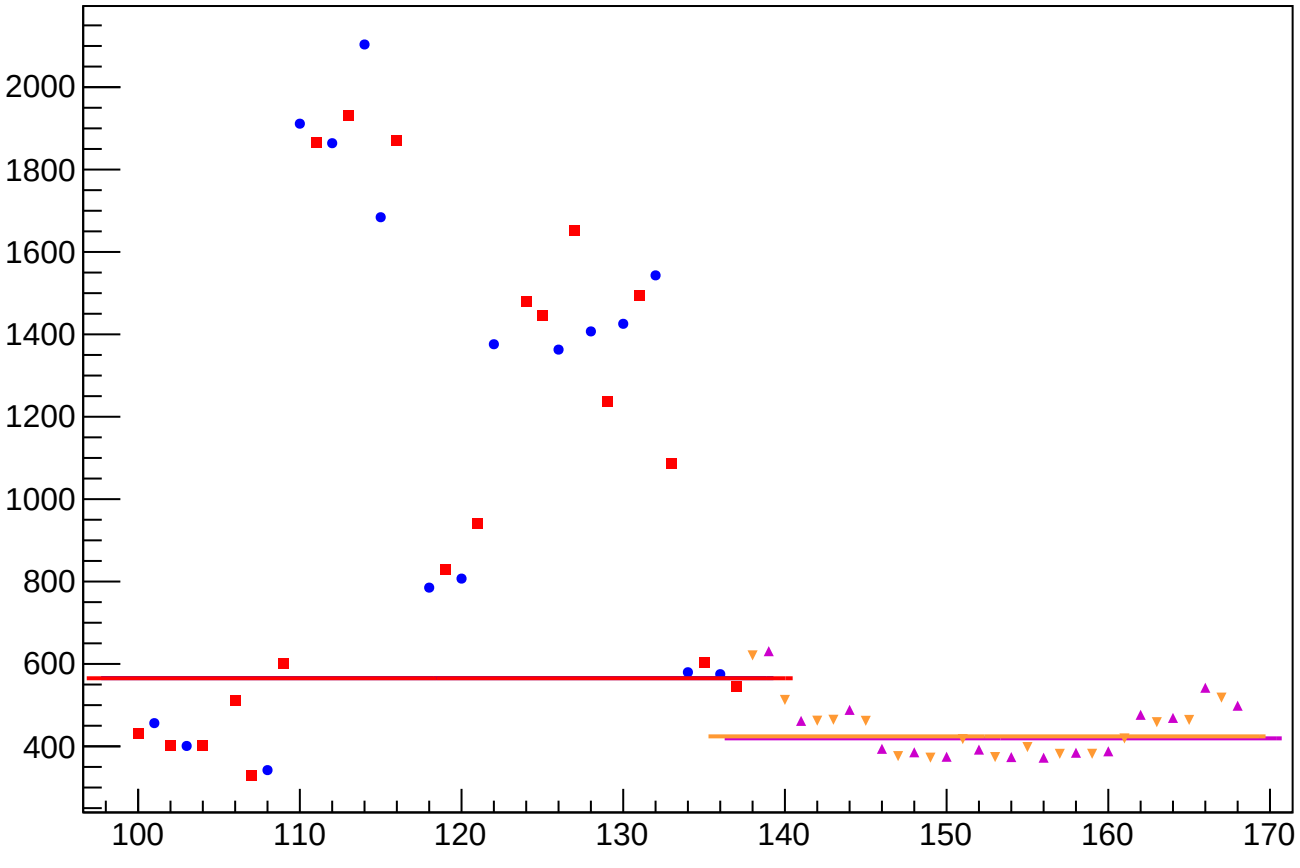
Left: -0.174+/-0.085 χ^2/NDF: 40.2/30

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.013+/-0.108 χ^2/NDF:28.7/30

Out: -0.304+/-0.108 χ^2/NDF:44.9/34

All: -0.158+/-0.077 χ^2/NDF: 77.3/65



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 424.191+/-0.085 χ^2/NDF:441618.0/15

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 419.373+/-0.085 χ^2/NDF:508394.6/14

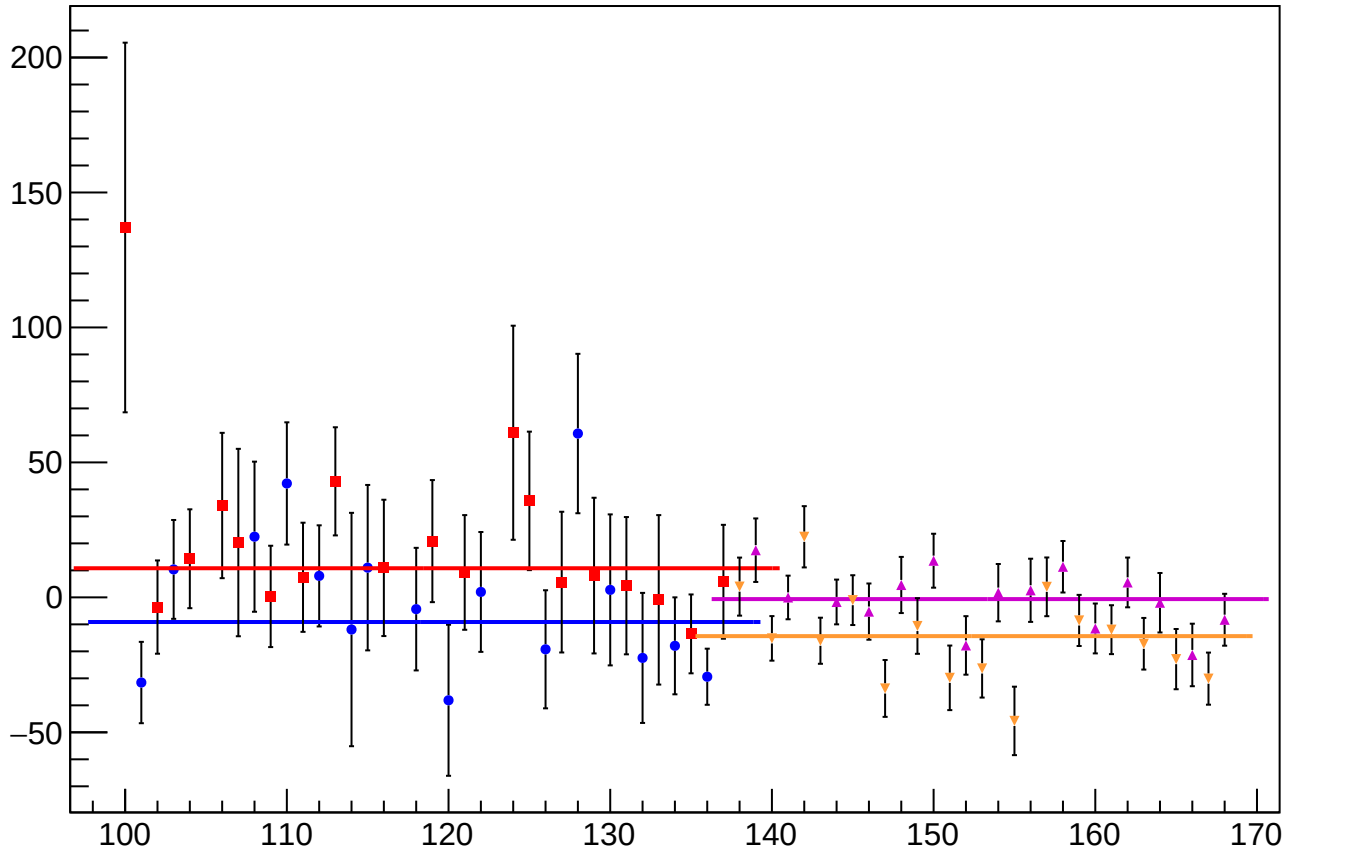
Left: 421.778+/-0.060 χ^2/NDF: 951603.8/30

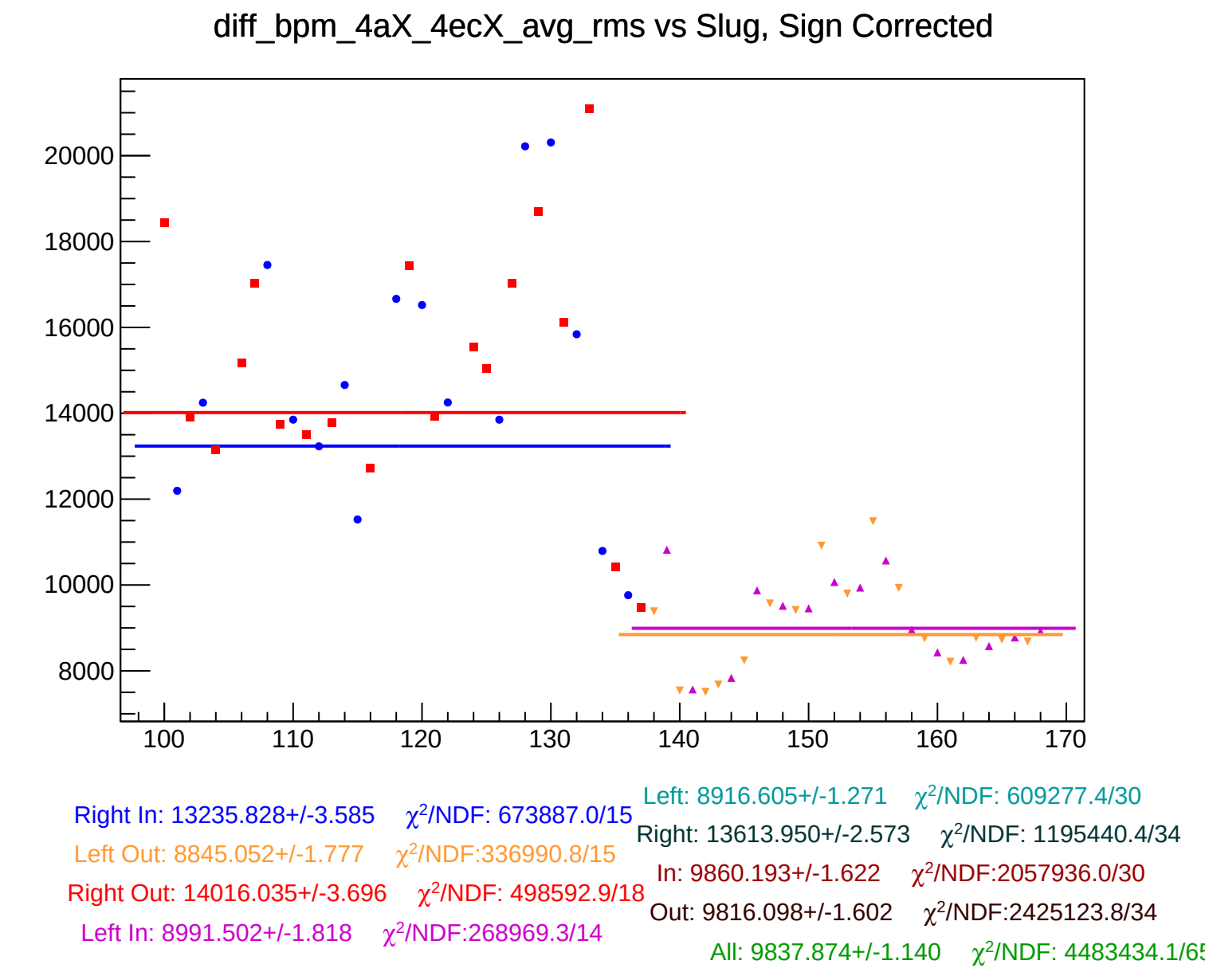
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

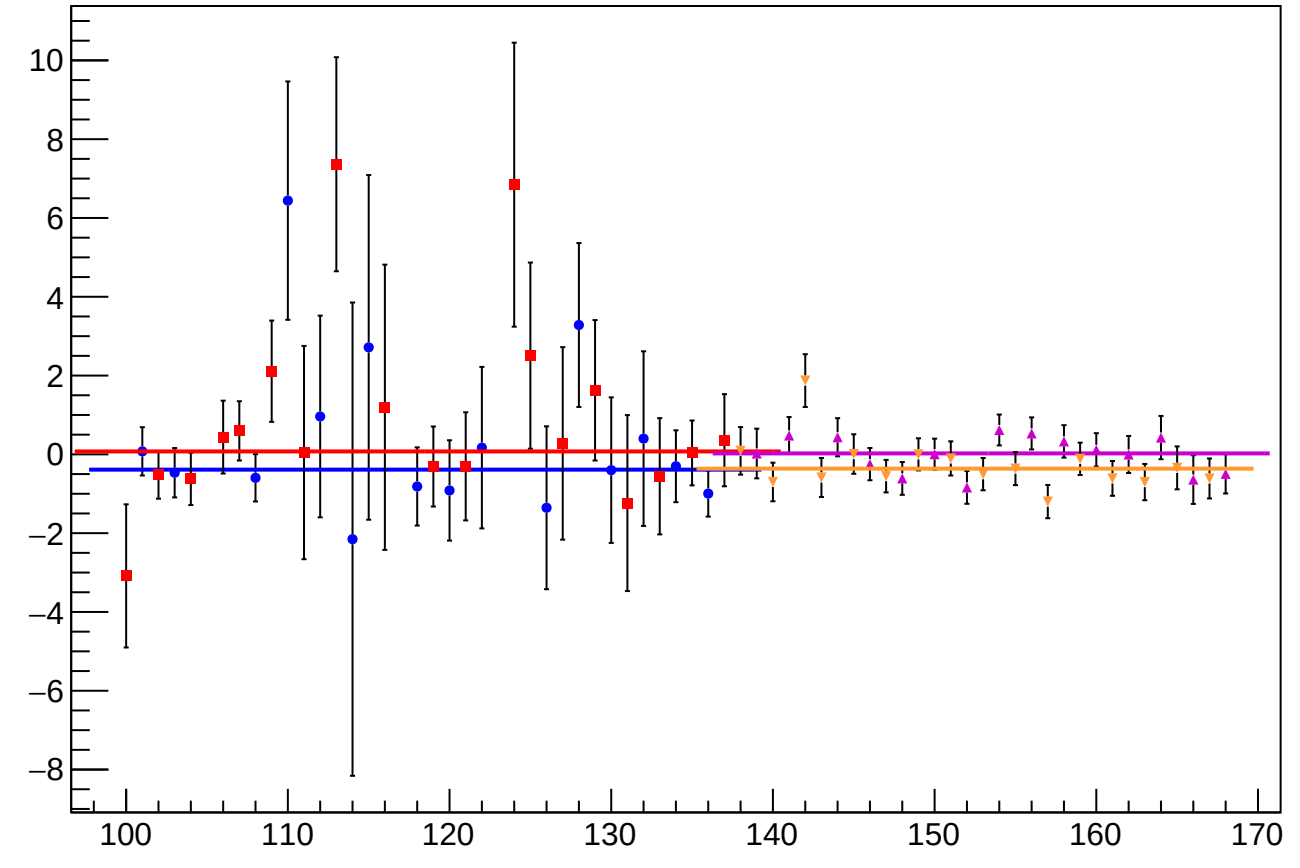
In: 448.081+/-0.077 χ^2/NDF:4535004.8/30

Out: 451.911+/-0.077 χ^2/NDF:4548463.4/34

All: 449.993+/-0.054 χ^2/NDF: 9084719.9/65


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -14.362+/-2.514 χ²/NDF:34.7/15
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: -0.641+/-2.572 χ²/NDF:14.8/14
Left: -7.658+/-1.798 χ²/NDF: 64.0/30
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.378+/-2.293 χ²/NDF:39.7/30
Out: -9.639+/-2.265 χ²/NDF:67.2/34
All: -6.054+/-1.612 χ²/NDF: 112.0/65


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8845.052+/-1.777 χ²/NDF:336990.8/15
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8991.502+/-1.818 χ²/NDF:268969.3/14
Left: 8916.605+/-1.271 χ²/NDF: 609277.4/30
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9860.193+/-1.622 χ²/NDF:2057936.0/30
Out: 9816.098+/-1.602 χ²/NDF:2425123.8/34
All: 9837.874+/-1.140 χ²/NDF: 4483434.1/65



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.363+/-0.116 χ^2/NDF:19.8/15

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.024+/-0.116 χ^2/NDF:16.0/14

Left: -0.170+/-0.082 χ^2/NDF: 41.3/30

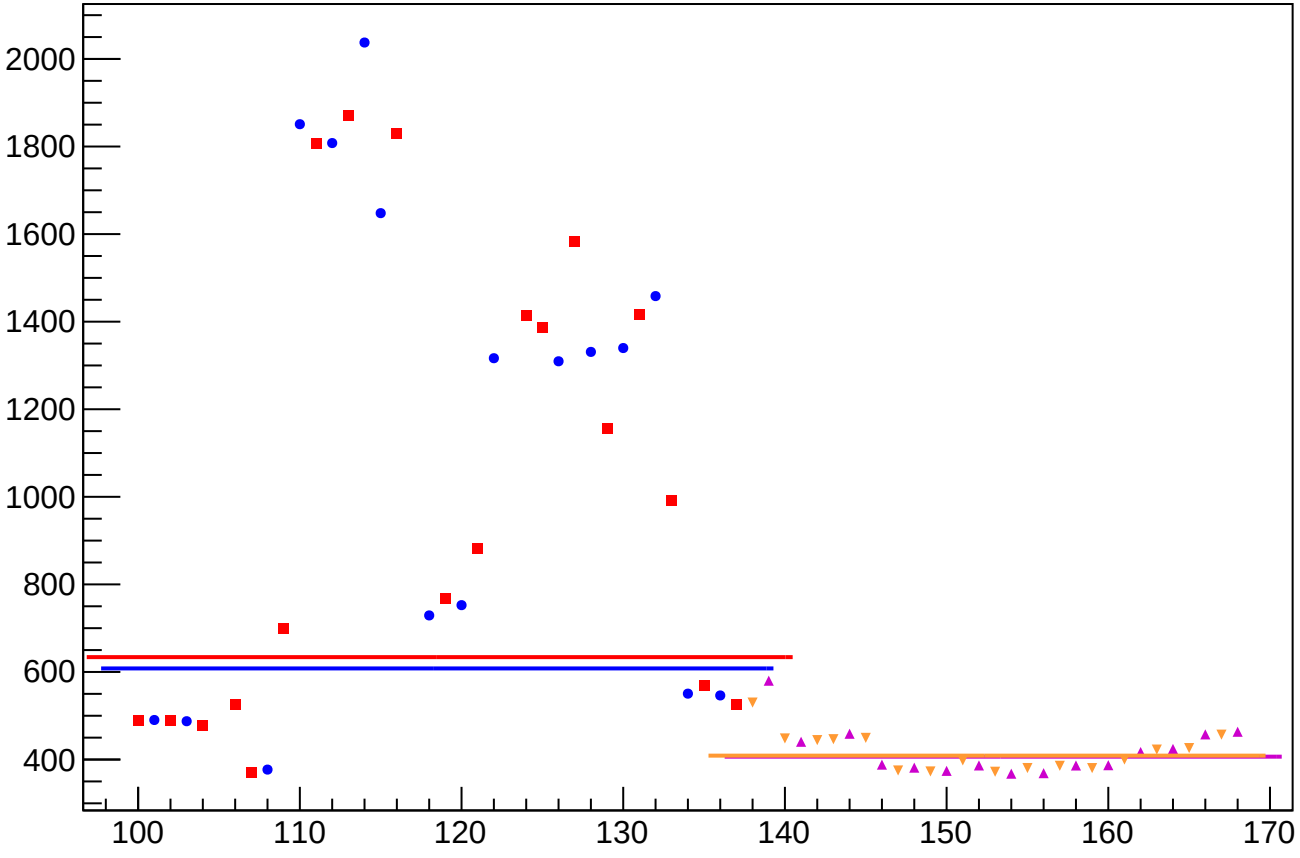
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.046+/-0.106 χ^2/NDF:29.8/30

Out: -0.293+/-0.106 χ^2/NDF:43.8/34

All: -0.169+/-0.075 χ^2/NDF: 76.3/65

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 408.898+/-0.082 χ^2/NDF:217638.3/15

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 406.551+/-0.082 χ^2/NDF:303192.2/14

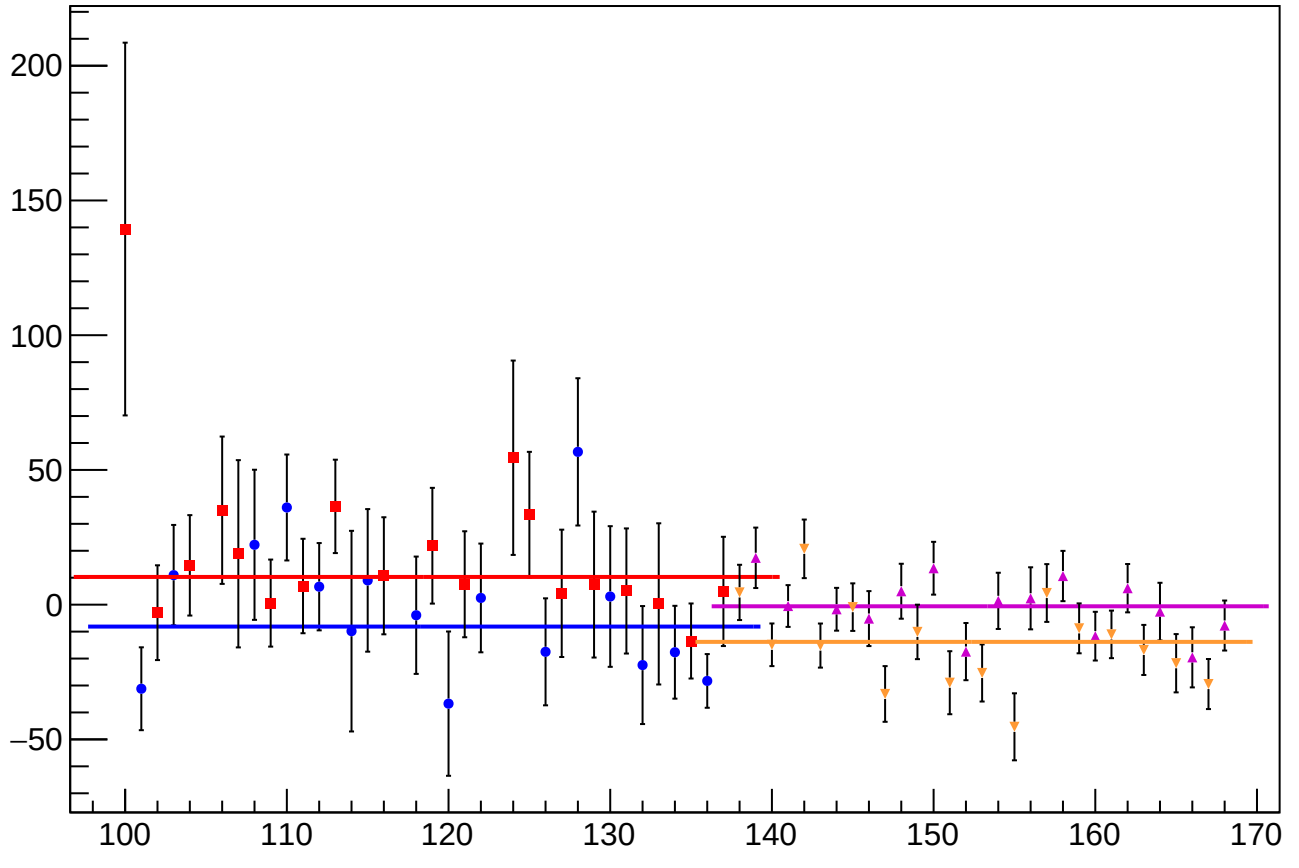
Left: 407.732+/-0.058 χ^2/NDF: 521239.5/30

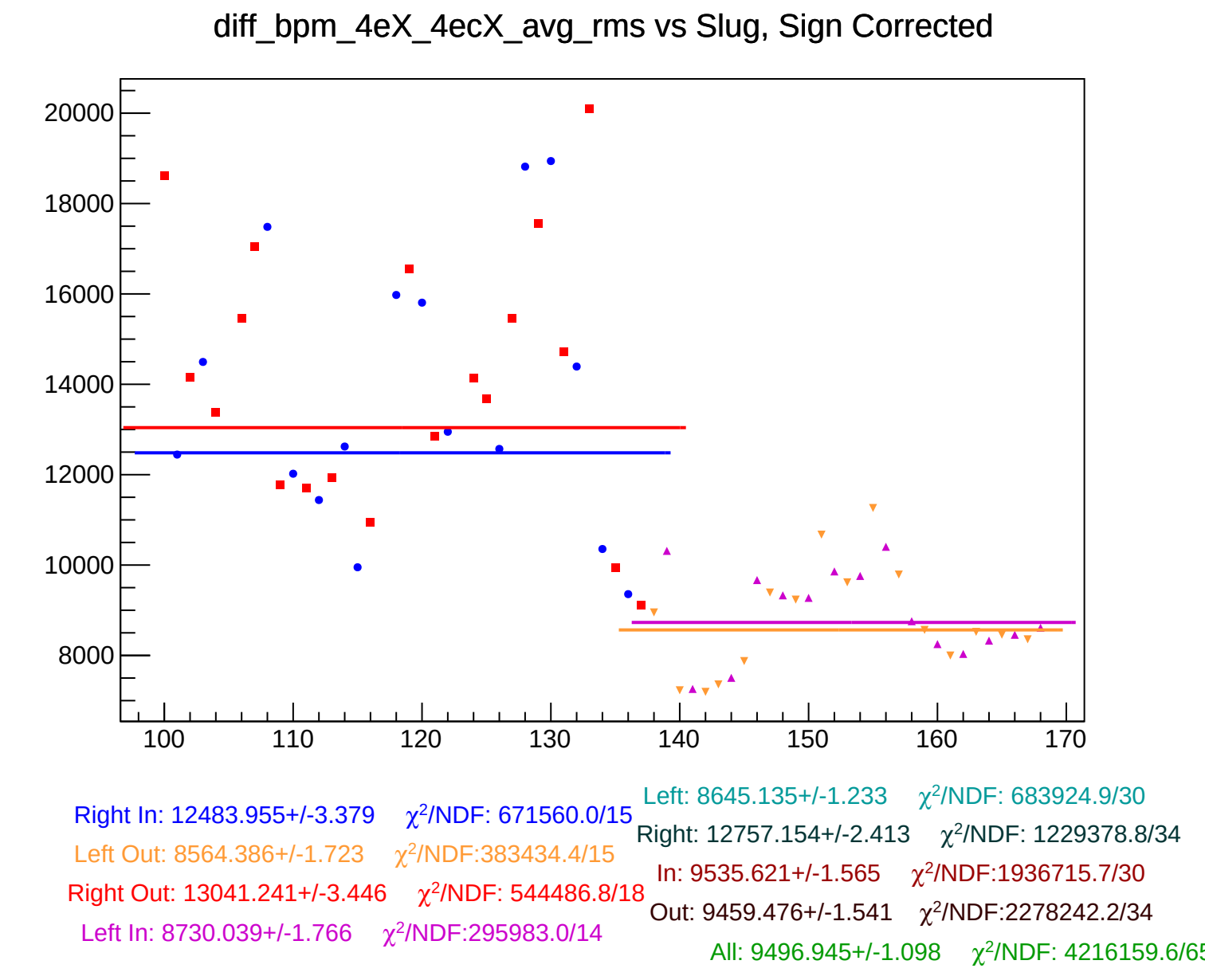
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

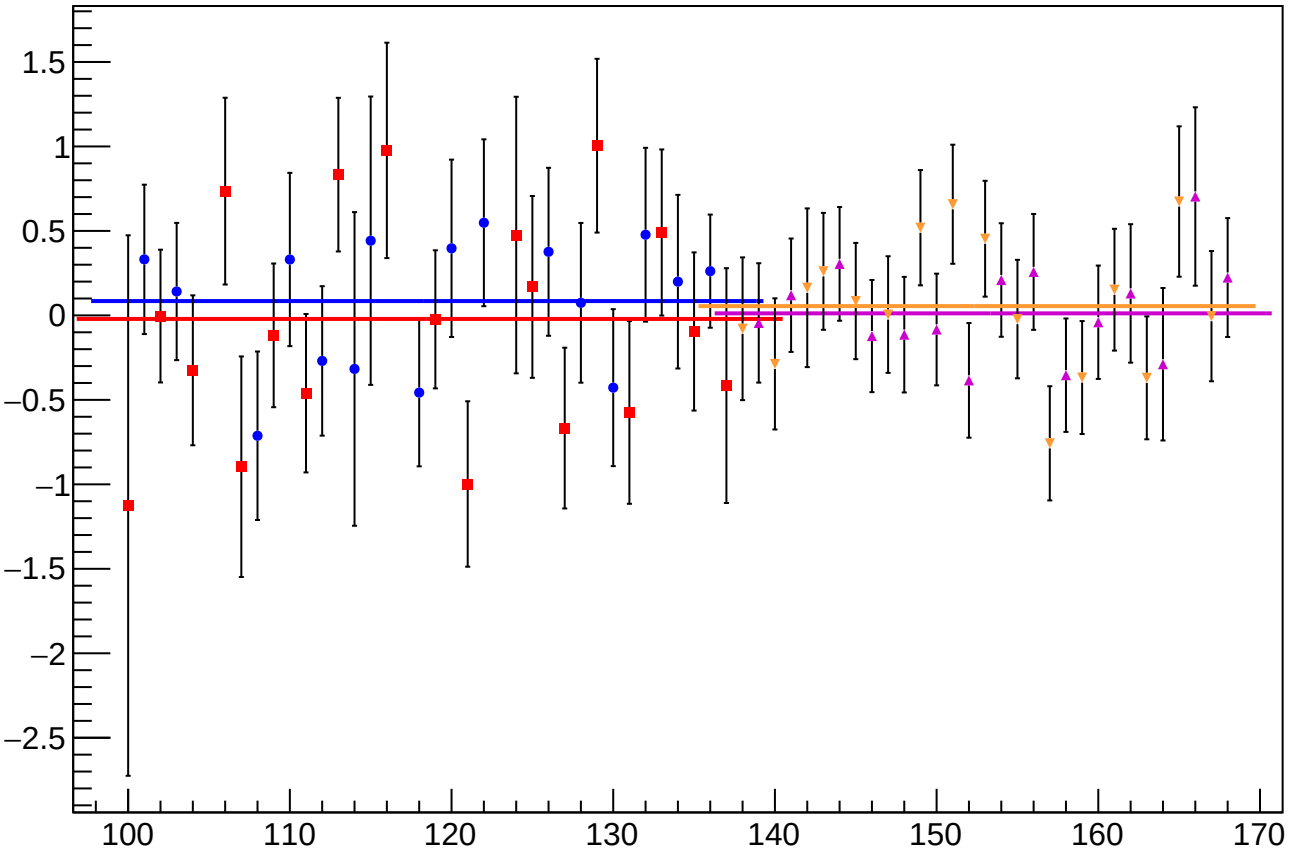
In: 441.151+/-0.075 χ^2/NDF:4184760.2/30

Out: 445.018+/-0.075 χ^2/NDF:4220640.0/34

All: 443.084+/-0.053 χ^2/NDF: 8406731.8/65


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -13.806+/-2.436 χ²/NDF:35.1/15
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: -0.603+/-2.498 χ²/NDF:14.8/14
Left: -7.371+/-1.744 χ²/NDF: 64.3/30
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -2.219+/-2.214 χ²/NDF:39.9/30
Out: -8.989+/-2.179 χ²/NDF:68.4/34
All: -5.658+/-1.553 χ²/NDF: 113.0/65


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8564.386+/-1.723 χ²/NDF:383434.4/15
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8730.039+/-1.766 χ²/NDF:295983.0/14
Left: 8645.135+/-1.233 χ²/NDF: 683924.9/30
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9535.621+/-1.565 χ²/NDF:1936715.7/30
Out: 9459.476+/-1.541 χ²/NDF:2278242.2/34
All: 9496.945+/-1.098 χ²/NDF: 4216159.6/65



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.055+/-0.091 χ^2/NDF:18.3/15

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.012+/-0.092 χ^2/NDF:7.3/14

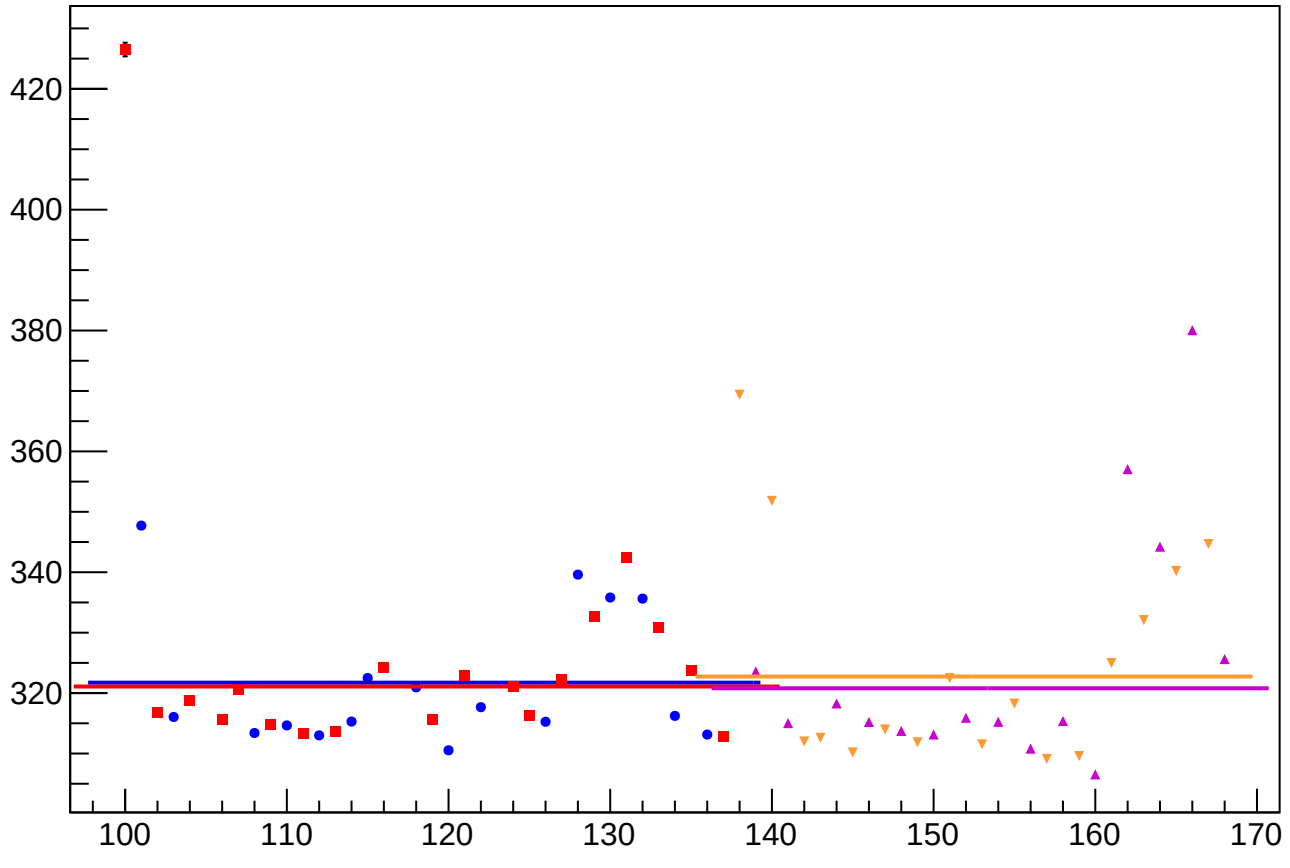
Left: 0.034+/-0.065 χ^2/NDF: 25.7/30

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.039+/-0.073 χ^2/NDF:16.9/30

Out: 0.026+/-0.072 χ^2/NDF:42.8/34

All: 0.033+/-0.051 χ^2/NDF: 59.7/65



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.740+/-0.065 χ^2/NDF:64137.5/15

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.798+/-0.065 χ^2/NDF:56717.5/14

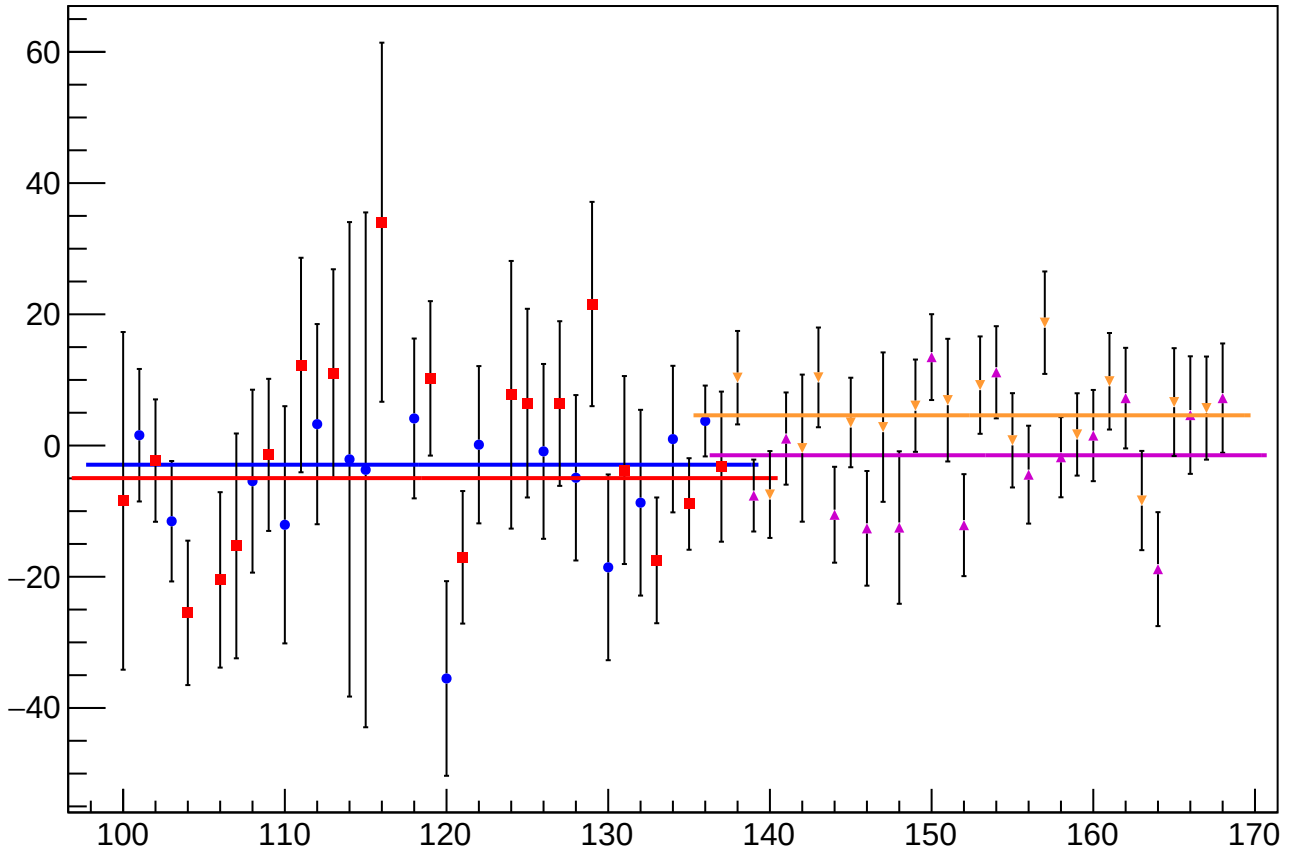
Left: 321.774+/-0.046 χ^2/NDF: 121305.5/30

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.140+/-0.052 χ^2/NDF:75007.7/30

Out: 322.120+/-0.051 χ^2/NDF:80962.1/34

All: 321.636+/-0.036 χ^2/NDF: 156152.4/65



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.608+/-1.907 χ^2/NDF:12.6/15

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -1.481+/-1.905 χ^2/NDF:23.0/14

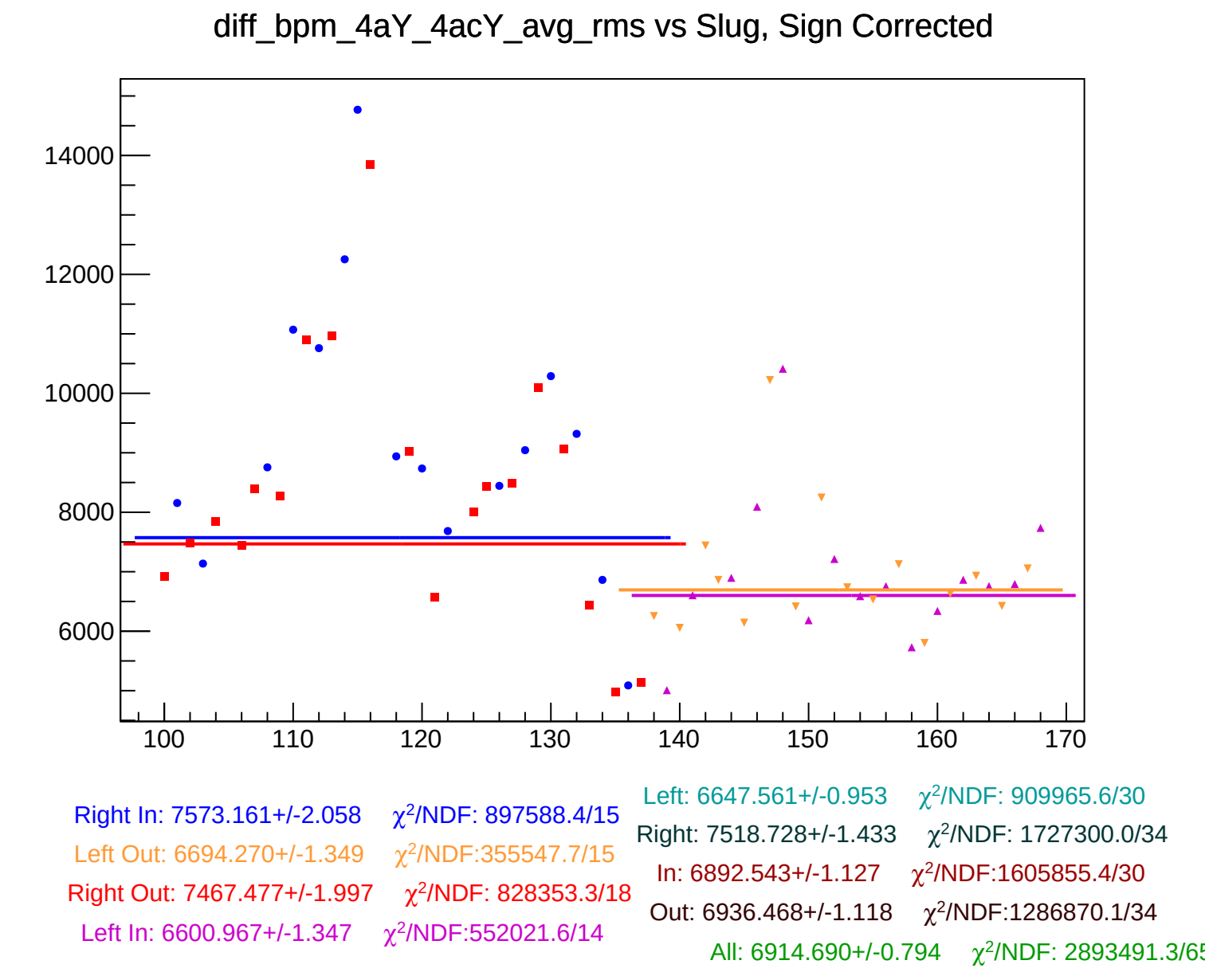
Left: 1.560+/-1.348 χ^2/NDF: 40.7/30

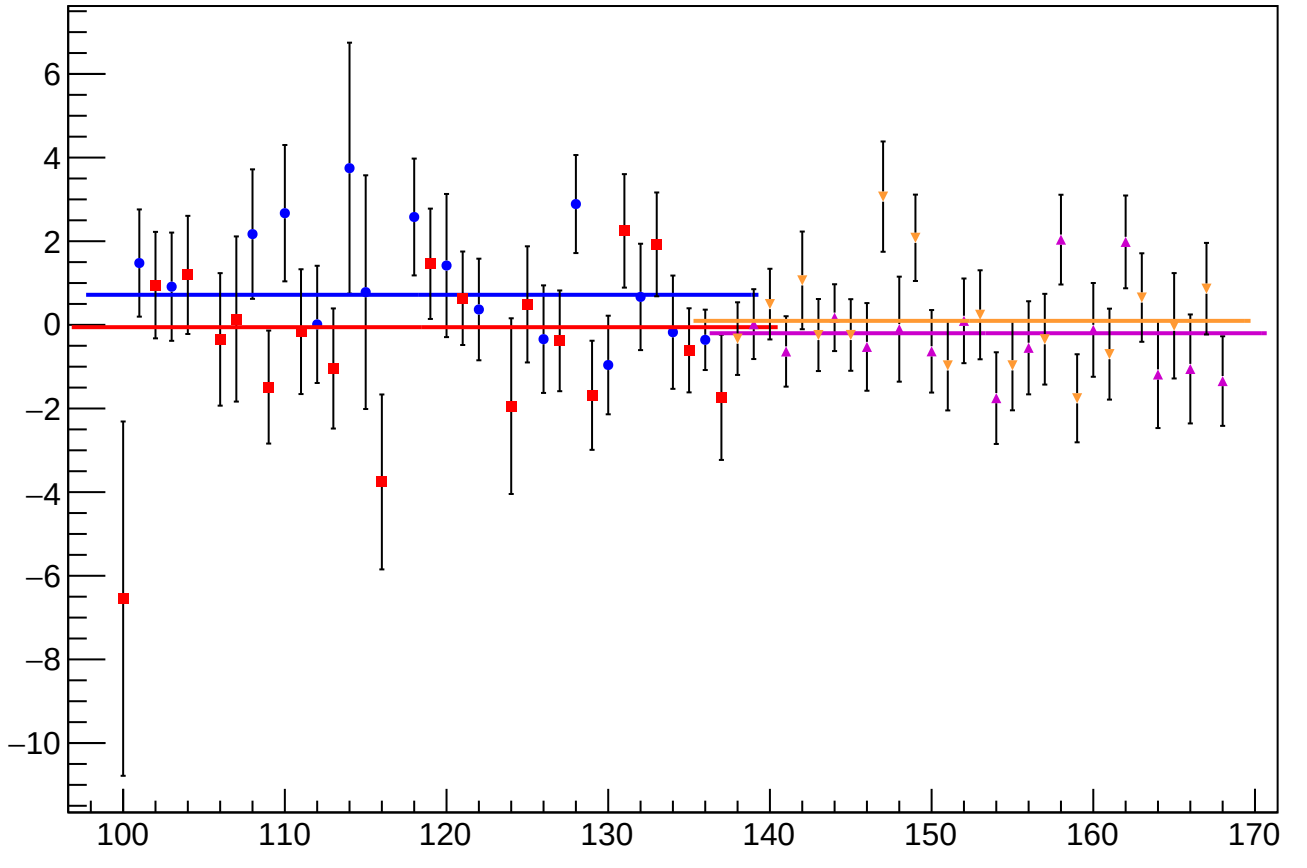
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -1.913+/-1.594 χ^2/NDF:33.0/30

Out: 1.609+/-1.581 χ^2/NDF:39.9/34

All: -0.137+/-1.122 χ^2/NDF: 75.4/65


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6694.270+/-1.349 χ²/NDF:355547.7/15
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6600.967+/-1.347 χ²/NDF:552021.6/14
Left: 6647.561+/-0.953 χ²/NDF: 909965.6/30
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6892.543+/-1.127 χ²/NDF:1605855.4/30
Out: 6936.468+/-1.118 χ²/NDF:1286870.1/34
All: 6914.690+/-0.794 χ²/NDF: 2893491.3/65



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.096+/-0.256 χ^2/NDF:16.8/15

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.200+/-0.266 χ^2/NDF:13.4/14

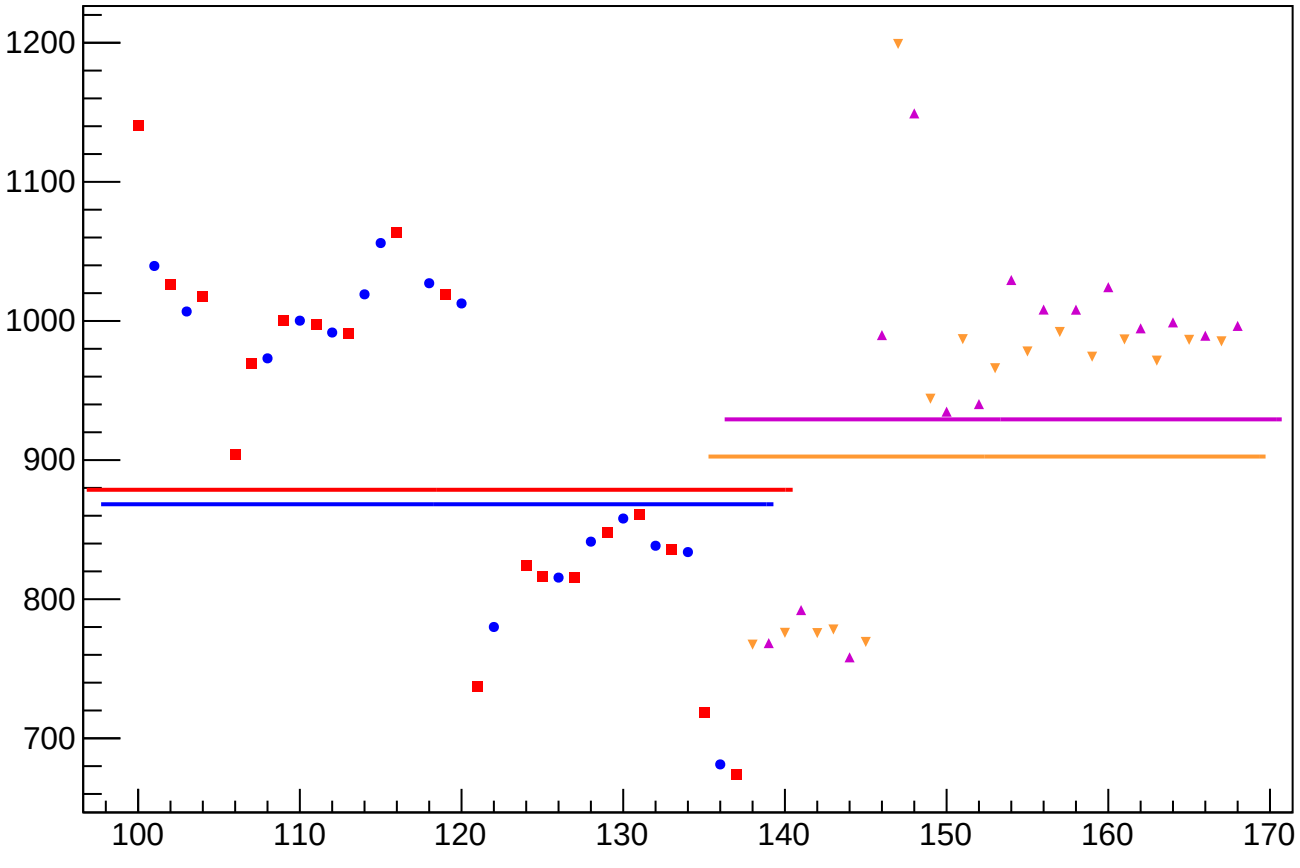
Left: -0.047+/-0.184 χ^2/NDF: 30.9/30

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.167+/-0.206 χ^2/NDF:33.0/30

Out: 0.037+/-0.201 χ^2/NDF:36.7/34

All: 0.100+/-0.144 χ^2/NDF: 69.9/65



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 902.547+/-0.181 χ^2/NDF:404585.0/15

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 929.274+/-0.188 χ^2/NDF:364103.5/14

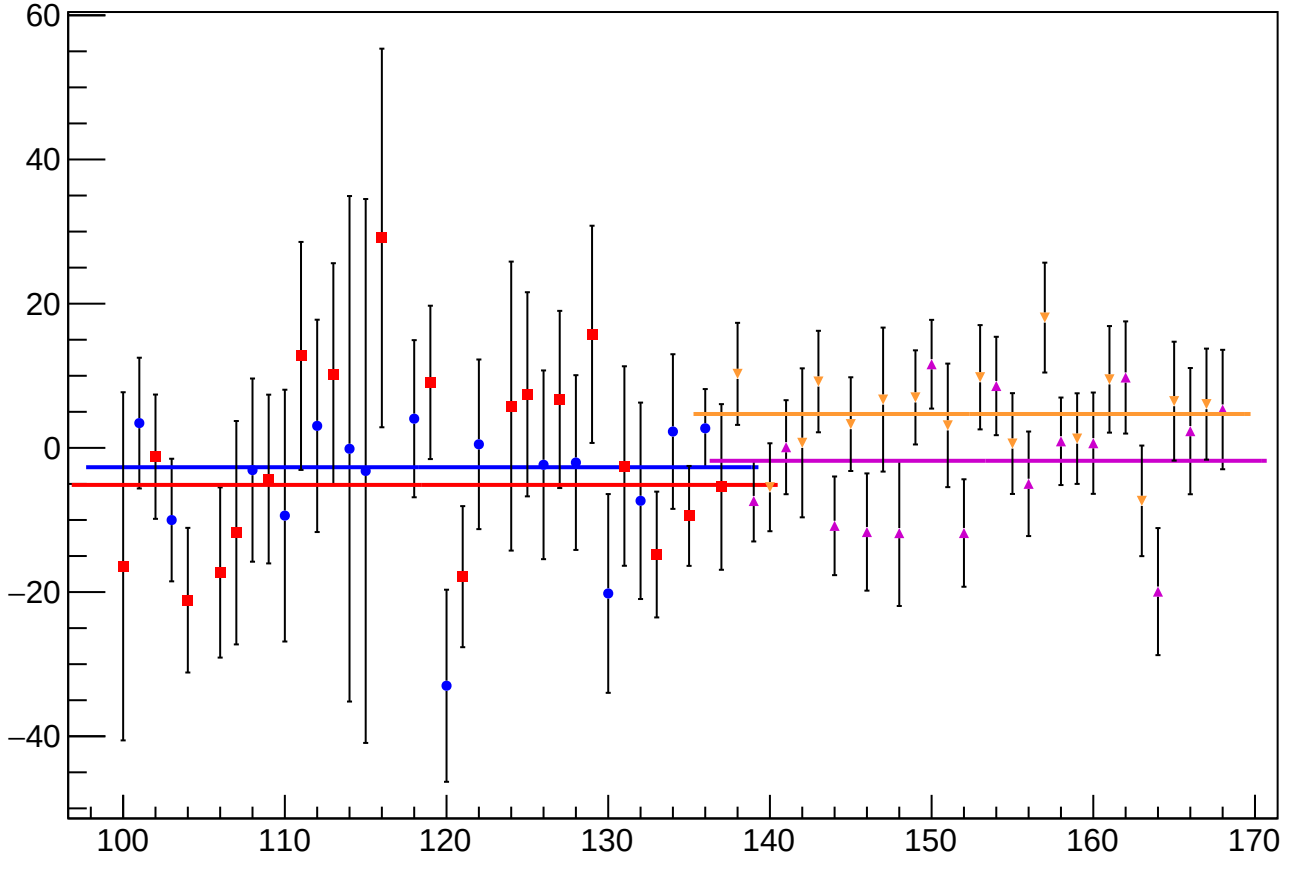
Left: 915.406+/-0.130 χ^2/NDF: 779171.3/30

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 904.886+/-0.146 χ^2/NDF:708601.5/30

Out: 893.340+/-0.142 χ^2/NDF:683824.4/34

All: 898.963+/-0.102 χ^2/NDF: 1395648.0/65



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.700+/-1.837 χ^2/NDF:11.4/15

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -1.792+/-1.854 χ^2/NDF:22.0/14

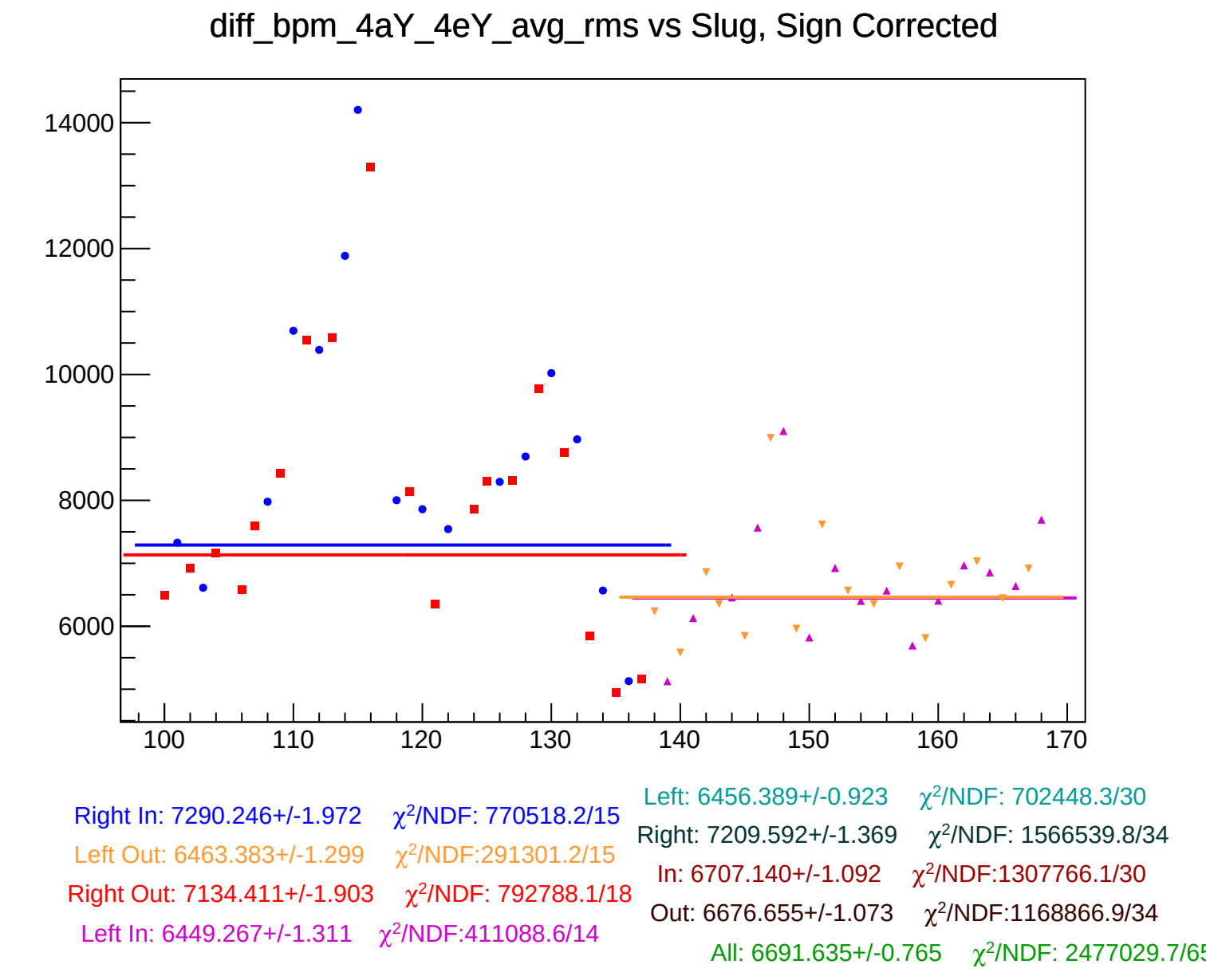
Left: 1.484+/-1.305 χ^2/NDF: 39.6/30

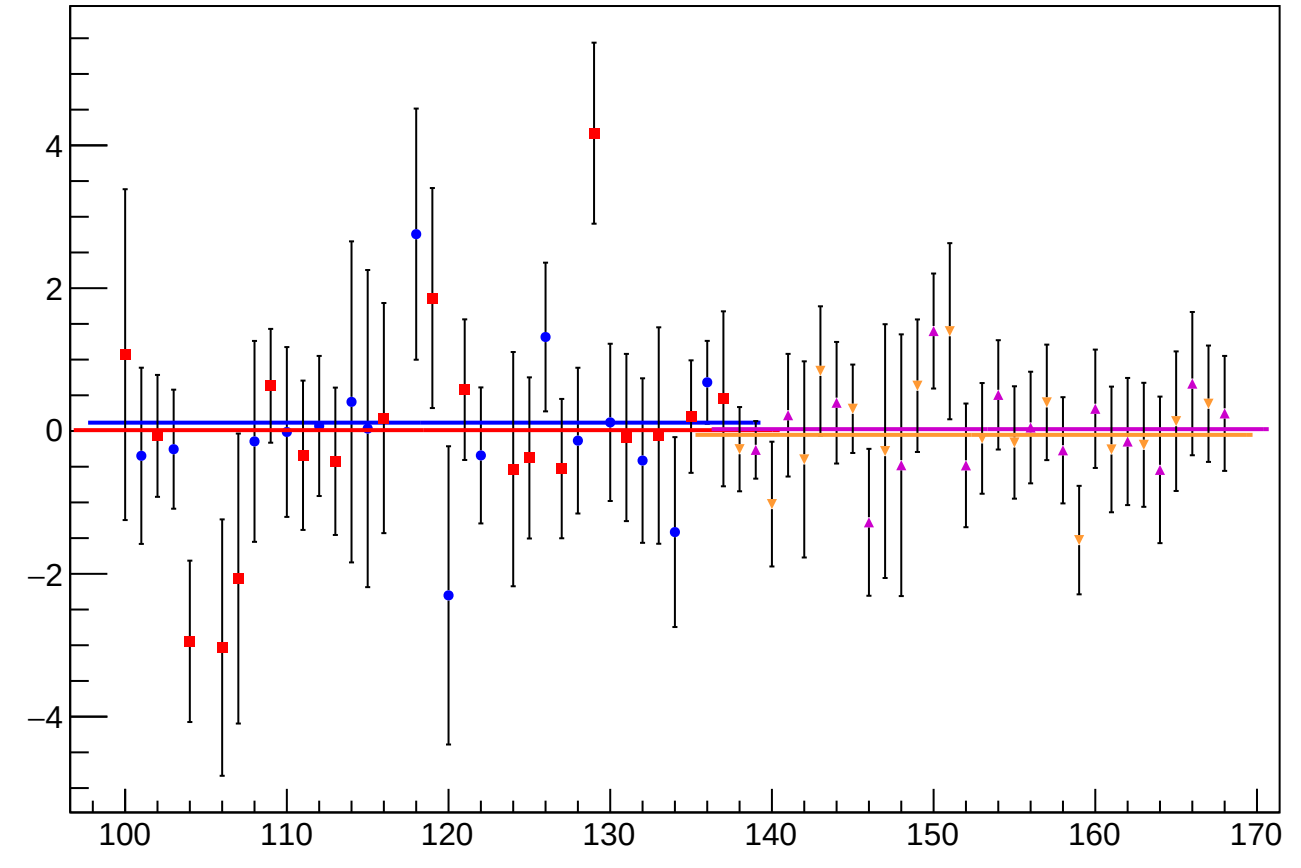
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.065+/-1.544 χ^2/NDF:32.2/30

Out: 1.574+/-1.518 χ^2/NDF:37.7/34

All: -0.214+/-1.082 χ^2/NDF: 72.7/65


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6463.383+/-1.299 χ²/NDF:291301.2/15
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6449.267+/-1.311 χ²/NDF:411088.6/14
Left: 6456.389+/-0.923 χ²/NDF: 702448.3/30
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6707.140+/-1.092 χ²/NDF:1307766.1/30
Out: 6676.655+/-1.073 χ²/NDF:1168866.9/34
All: 6691.635+/-0.765 χ²/NDF: 2477029.7/65



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.054+/-0.211 χ^2/NDF:9.2/15

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.026+/-0.203 χ^2/NDF:7.2/14

Left: -0.012+/-0.146 χ^2/NDF: 16.5/30

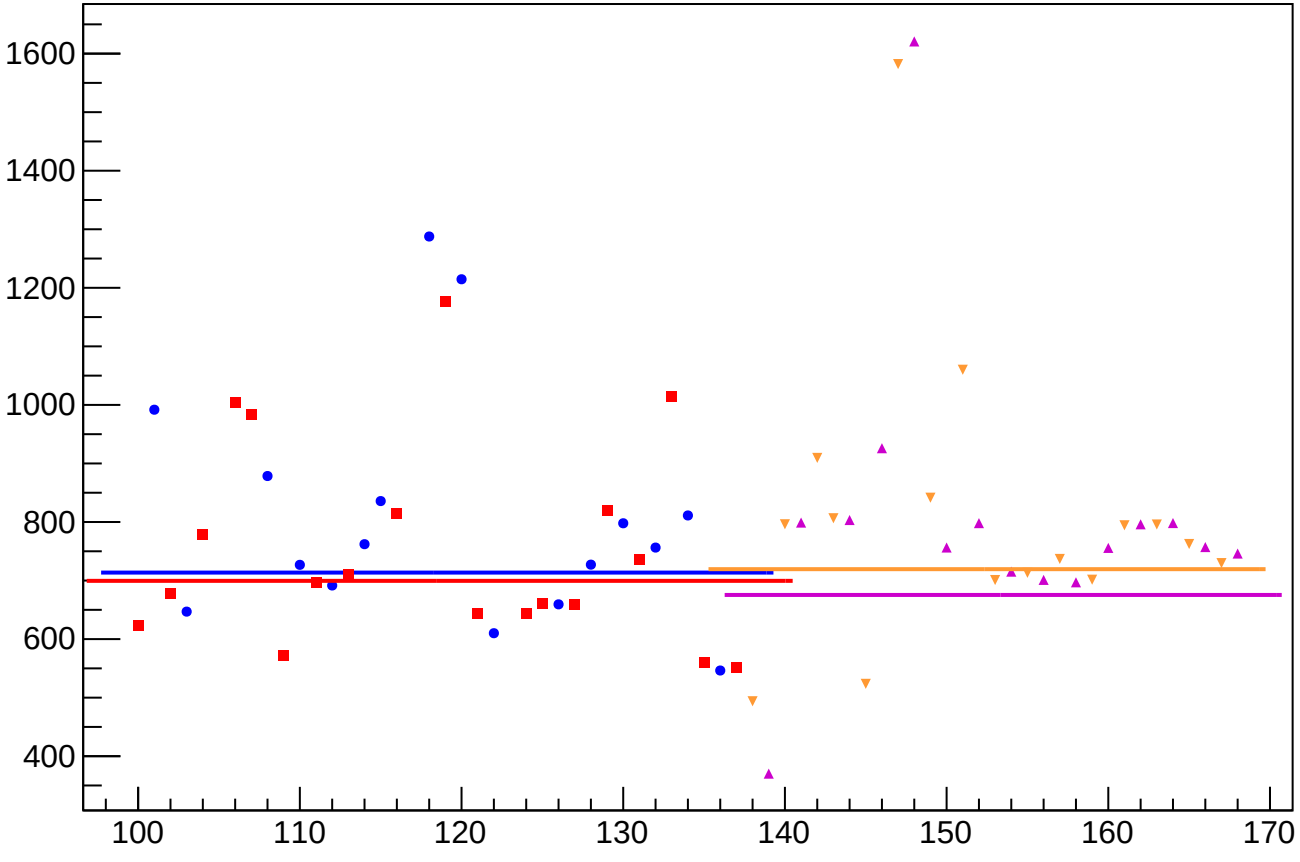
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.058+/-0.163 χ^2/NDF:15.4/30

Out: -0.028+/-0.165 χ^2/NDF:34.4/34

All: 0.016+/-0.116 χ^2/NDF: 49.9/65

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 719.451+/-0.149 χ^2/NDF:1261023.5/15

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.416+/-0.143 χ^2/NDF:2065785.3/14

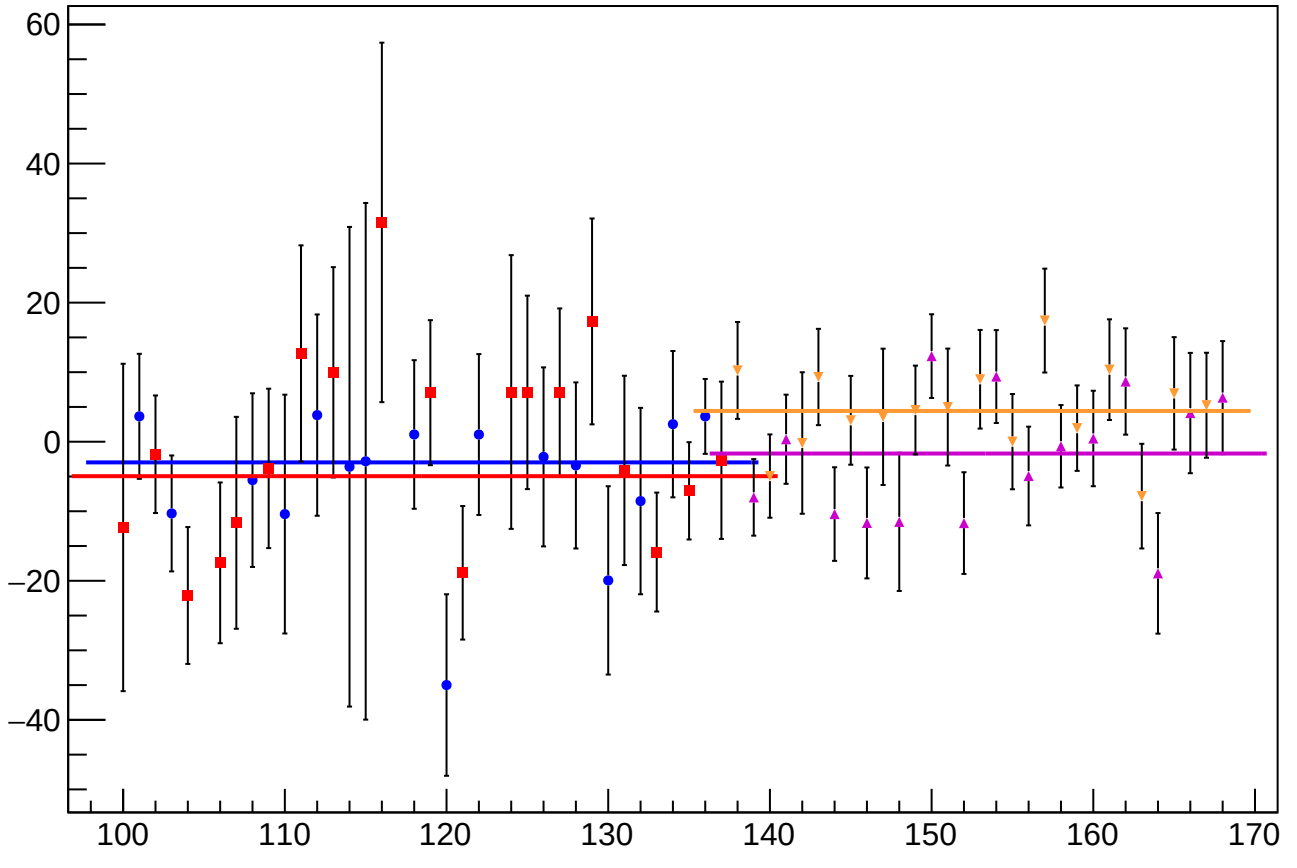
Left: 696.509+/-0.103 χ^2/NDF: 3372058.5/30

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 688.978+/-0.115 χ^2/NDF:2790335.3/30

Out: 711.632+/-0.117 χ^2/NDF:1843769.1/34

All: 700.164+/-0.082 χ^2/NDF: 4653242.6/65



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.423+/-1.803 χ^2/NDF:11.4/15

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -1.700+/-1.818 χ^2/NDF:23.2/14

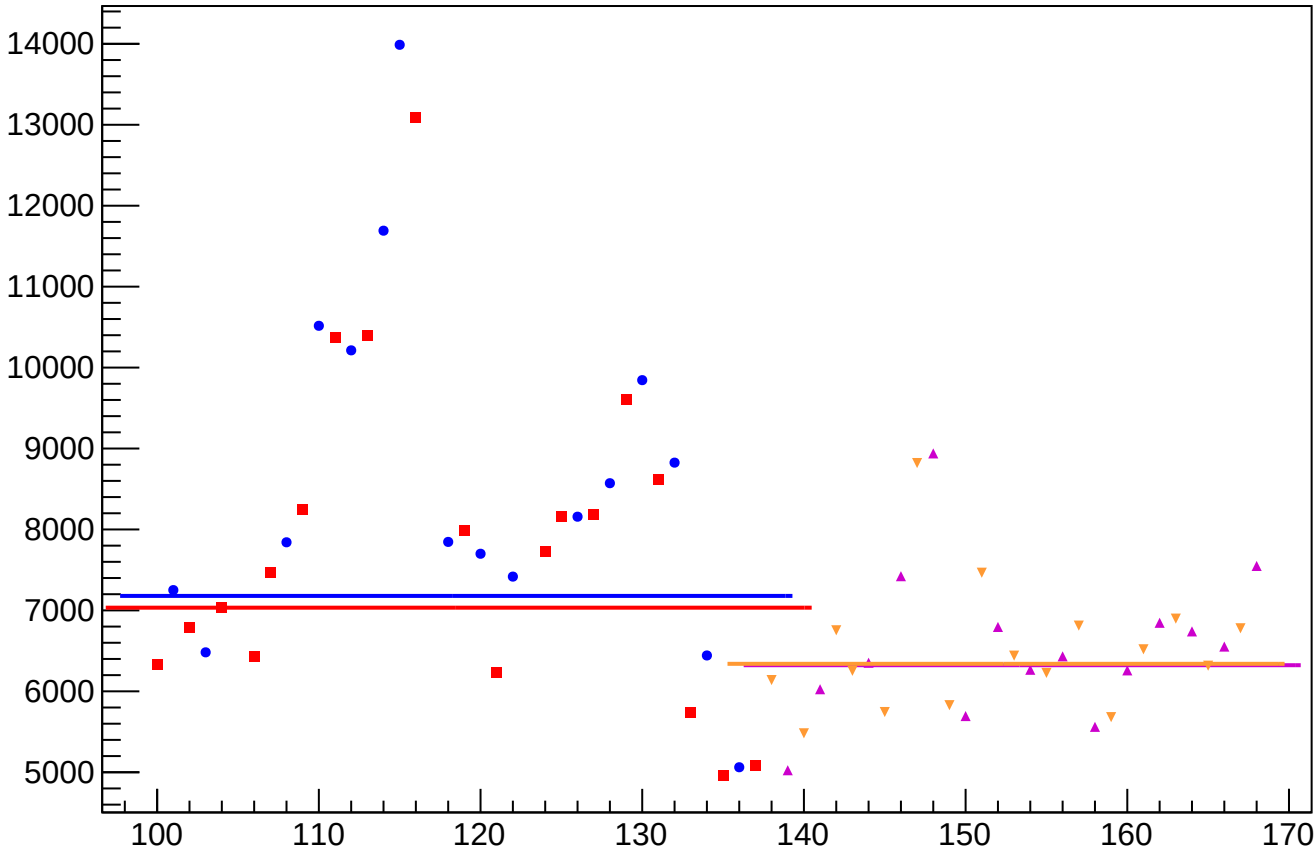
Left: 1.389+/-1.280 χ^2/NDF: 40.3/30

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.088+/-1.516 χ^2/NDF:34.9/30

Out: 1.461+/-1.491 χ^2/NDF:38.4/34

All: -0.284+/-1.063 χ^2/NDF: 76.1/65



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6339.844+/-1.275 χ^2/NDF:291536.2/15

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6322.673+/-1.286 χ^2/NDF:417240.6/14

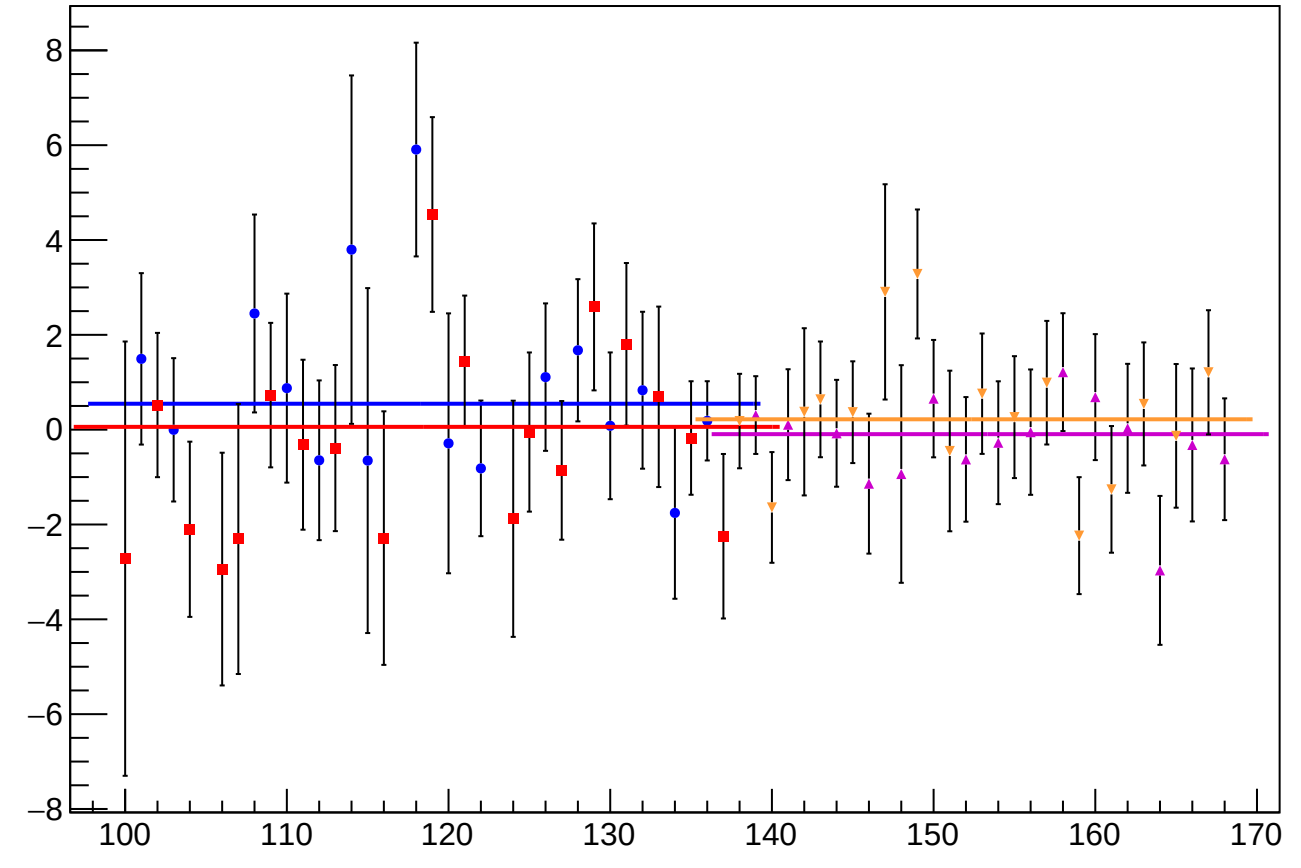
Left: 6331.333+/-0.905 χ^2/NDF: 708866.7/30

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6583.689+/-1.072 χ^2/NDF:1314354.3/30

Out: 6558.919+/-1.054 χ^2/NDF:1151467.1/34

All: 6571.097+/-0.752 χ^2/NDF: 2466092.8/65



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.219+/-0.327 χ^2/NDF:15.7/15

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.095+/-0.330 χ^2/NDF:6.5/14

Left: 0.063+/-0.232 χ^2/NDF: 22.6/30

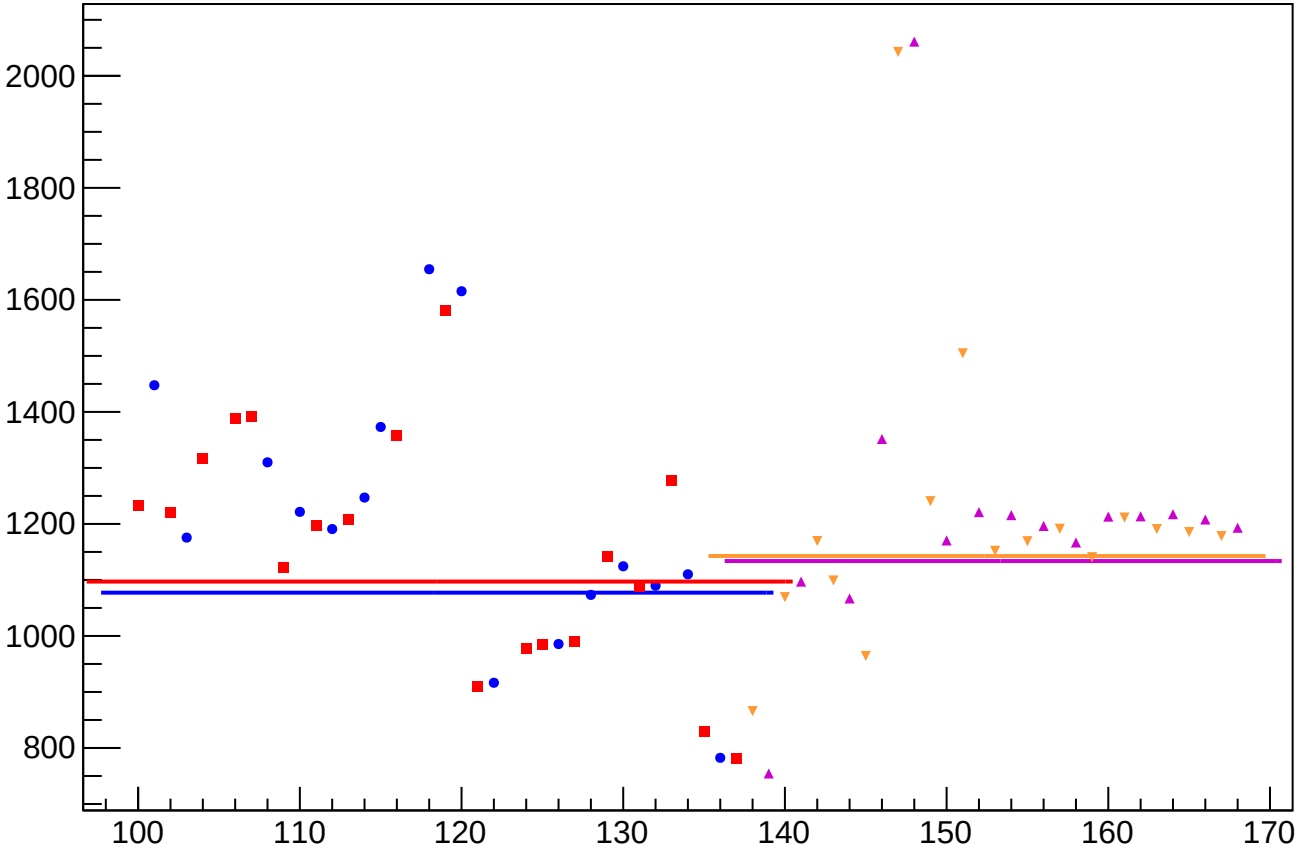
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.157+/-0.257 χ^2/NDF:19.9/30

Out: 0.156+/-0.256 χ^2/NDF:32.7/34

All: 0.156+/-0.181 χ^2/NDF: 52.5/65

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1142.779+/-0.231 χ^2/NDF:651618.6/15

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1133.775+/-0.233 χ^2/NDF:859816.6/14

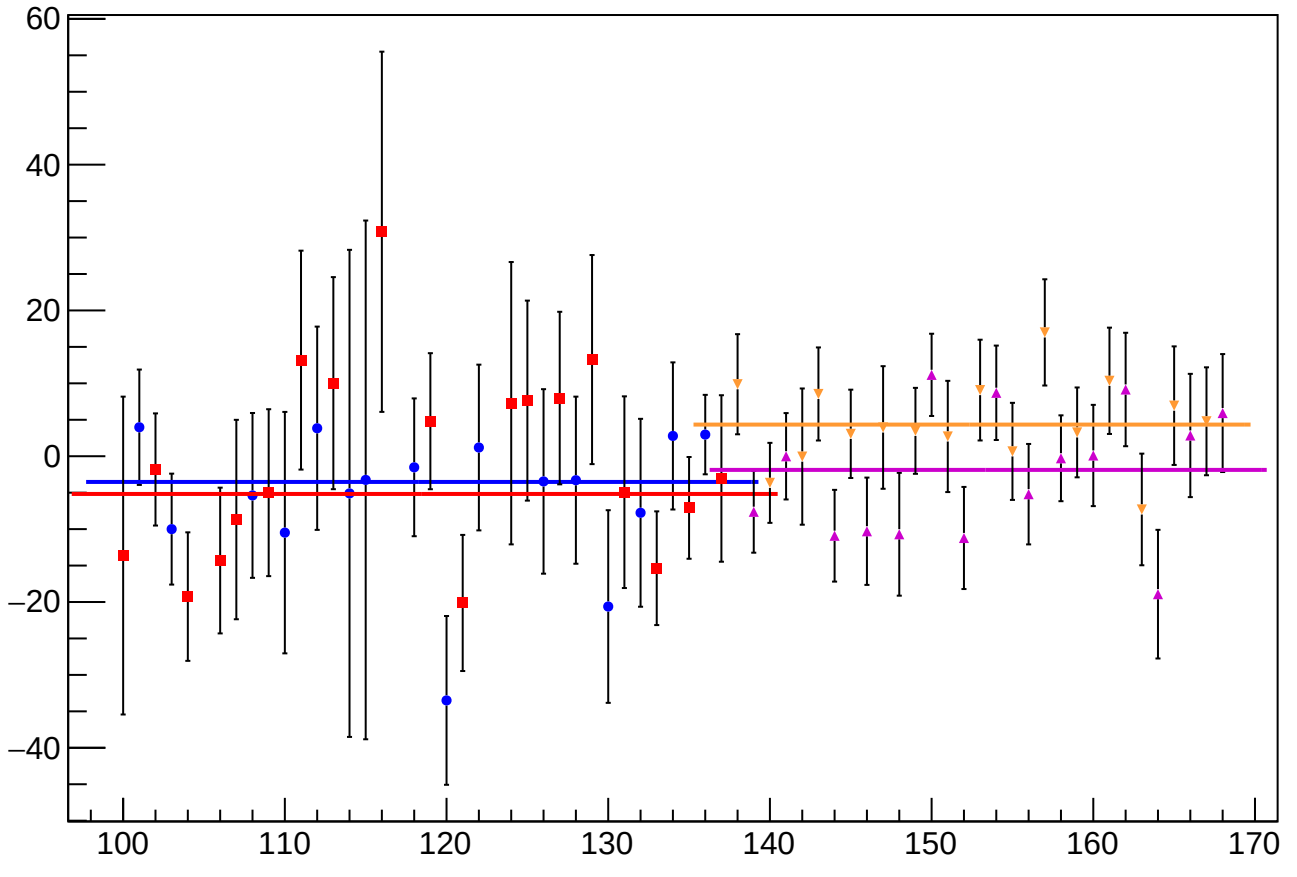
Left: 1138.307+/-0.164 χ^2/NDF: 1512186.5/30

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1111.665+/-0.182 χ^2/NDF:1529324.8/30

Out: 1124.935+/-0.181 χ^2/NDF:1151195.7/34

All: 1118.340+/-0.128 χ^2/NDF: 2683200.6/65



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.340+/-1.726 χ^2/NDF:10.4/15

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -1.875+/-1.760 χ^2/NDF:22.8/14

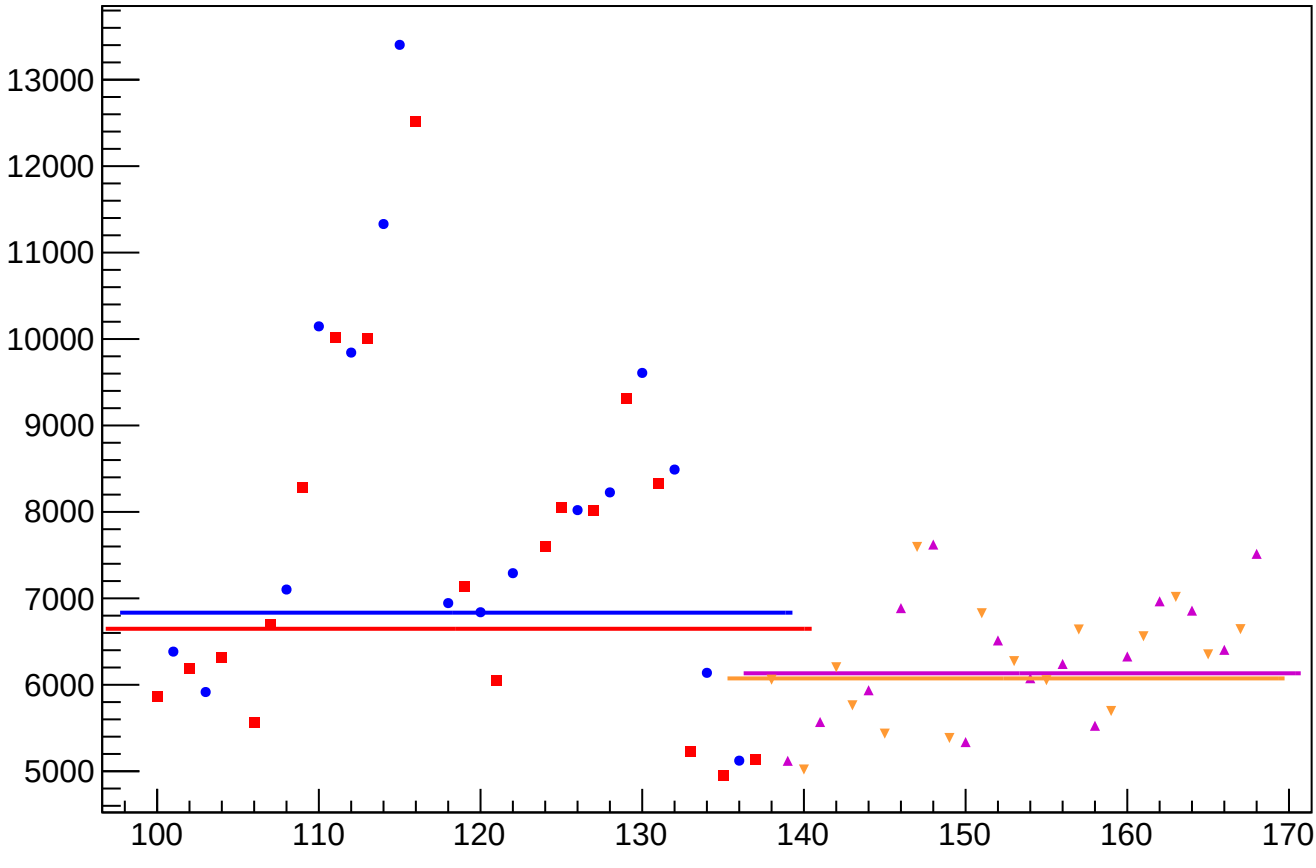
Left: 1.293+/-1.232 χ^2/NDF: 39.6/30

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.392+/-1.459 χ^2/NDF:35.7/30

Out: 1.281+/-1.422 χ^2/NDF:38.4/34

All: -0.508+/-1.018 χ^2/NDF: 77.3/65



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6073.856+/-1.221 χ^2/NDF:288110.5/15

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6133.077+/-1.244 χ^2/NDF:334469.4/14

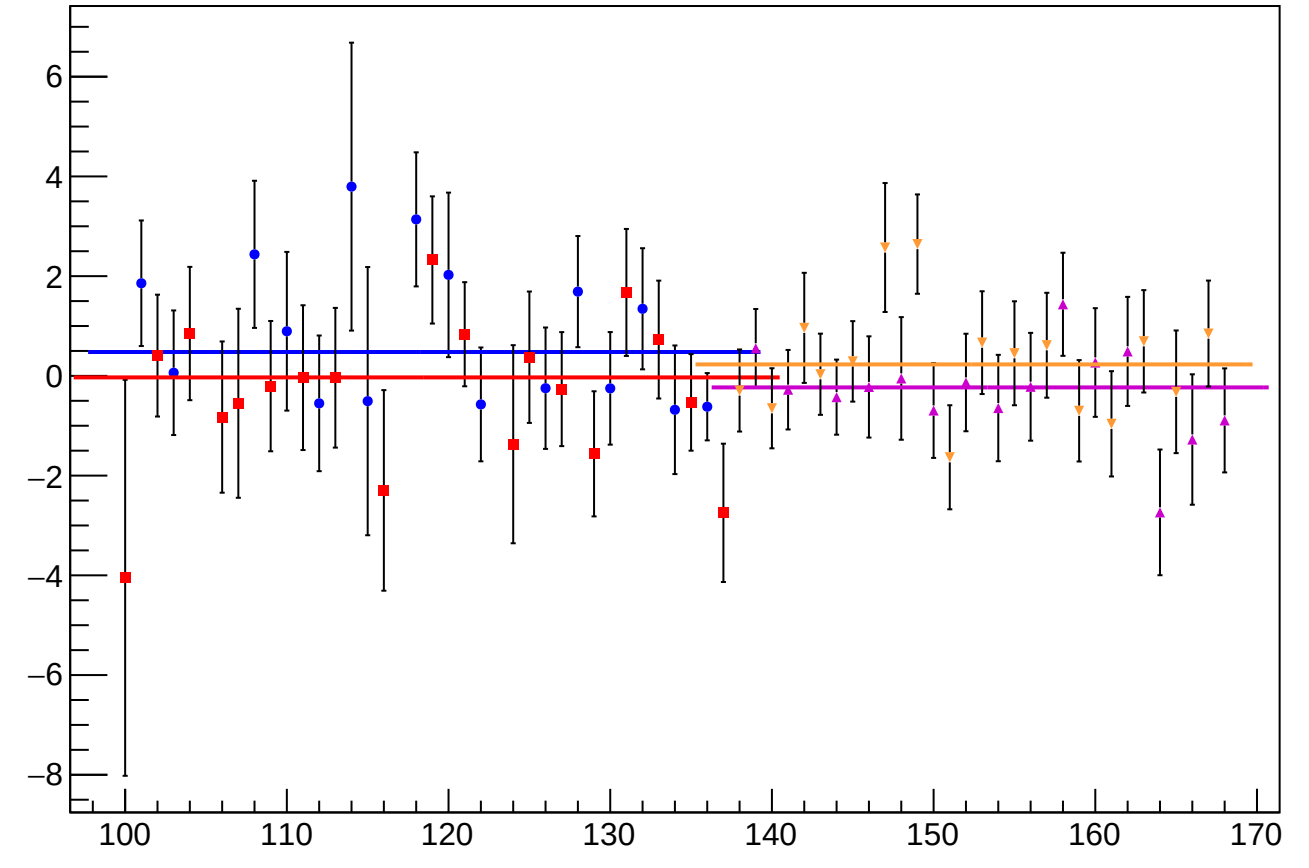
Left: 6102.894+/-0.871 χ^2/NDF: 623734.3/30

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6352.470+/-1.032 χ^2/NDF:1126545.7/30

Out: 6258.413+/-1.005 χ^2/NDF:1144335.9/34

All: 6304.237+/-0.720 χ^2/NDF: 2275145.0/65



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.230+/-0.246 χ^2/NDF:17.7/15

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.231+/-0.256 χ^2/NDF:9.7/14

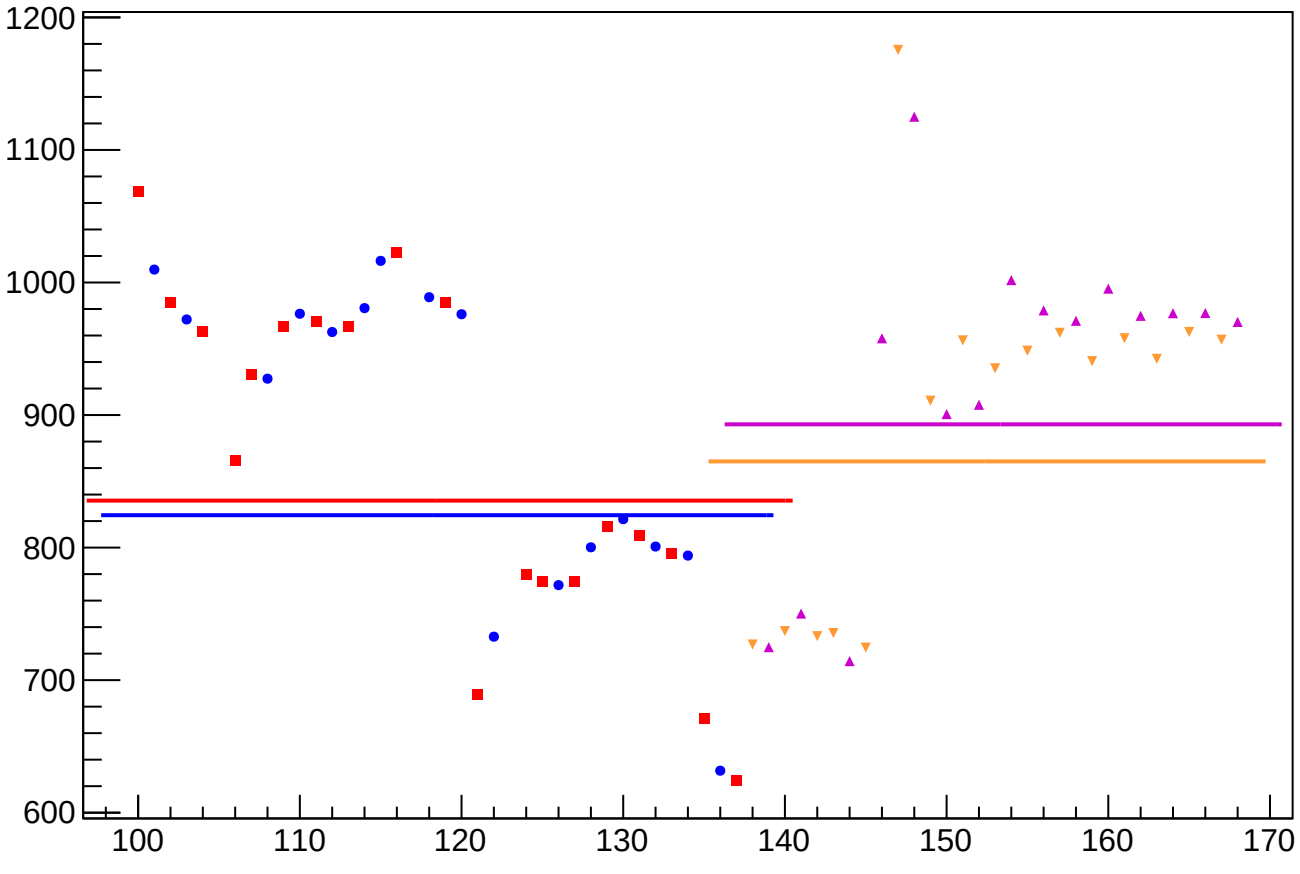
Left: 0.009+/-0.177 χ^2/NDF: 29.1/30

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.056+/-0.198 χ^2/NDF:29.5/30

Out: 0.129+/-0.192 χ^2/NDF:33.8/34

All: 0.094+/-0.138 χ^2/NDF: 63.4/65



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 865.035+/-0.174 χ^2/NDF:486431.4/15

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 892.984+/-0.181 χ^2/NDF:449576.7/14

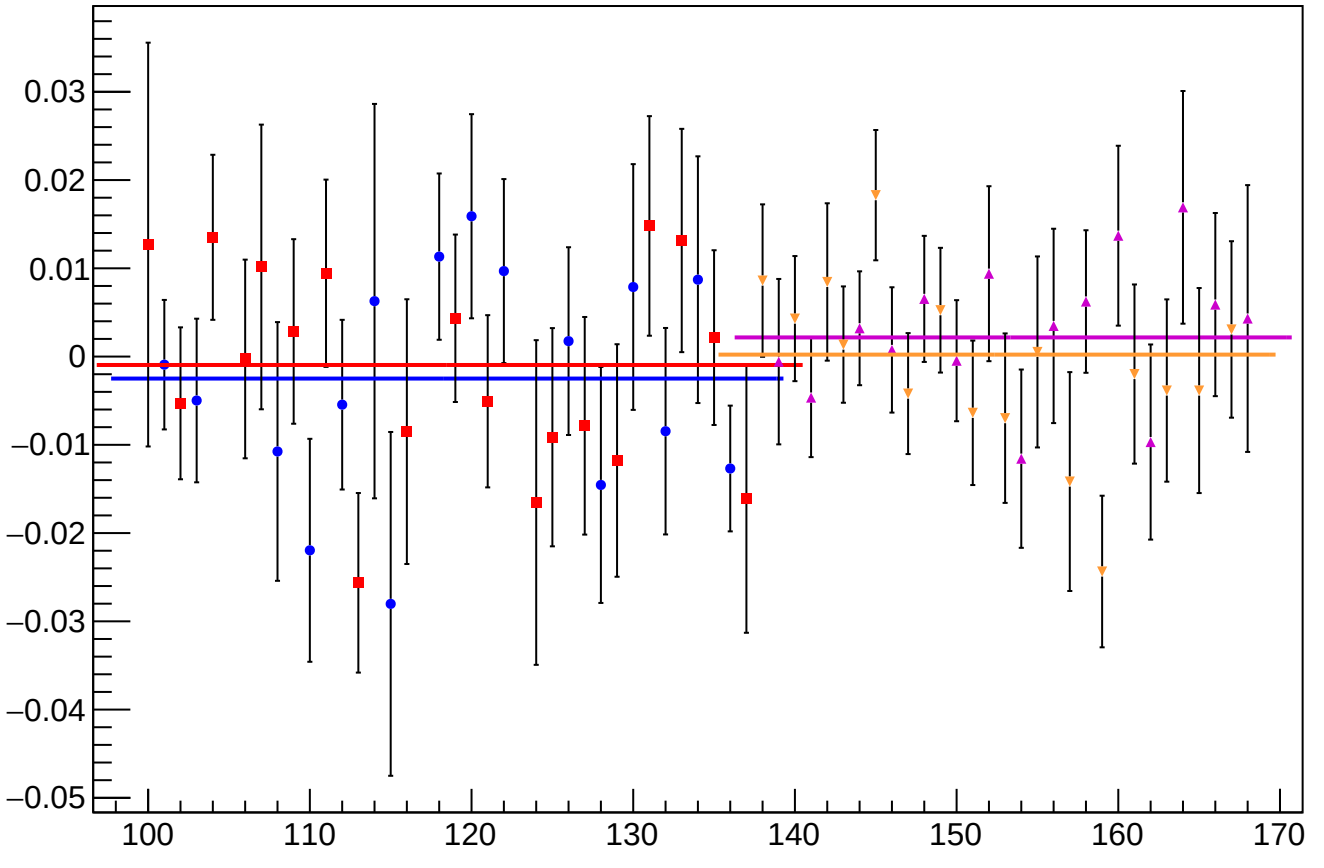
Left: 878.425+/-0.125 χ^2/NDF: 948388.8/30

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 865.224+/-0.140 χ^2/NDF:872941.0/30

Out: 853.540+/-0.136 χ^2/NDF:816990.4/34

All: 859.217+/-0.097 χ^2/NDF: 1693519.6/65



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.2/15

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:8.2/14

Left: 0.001+/-0.002 χ^2/NDF: 28.8/30

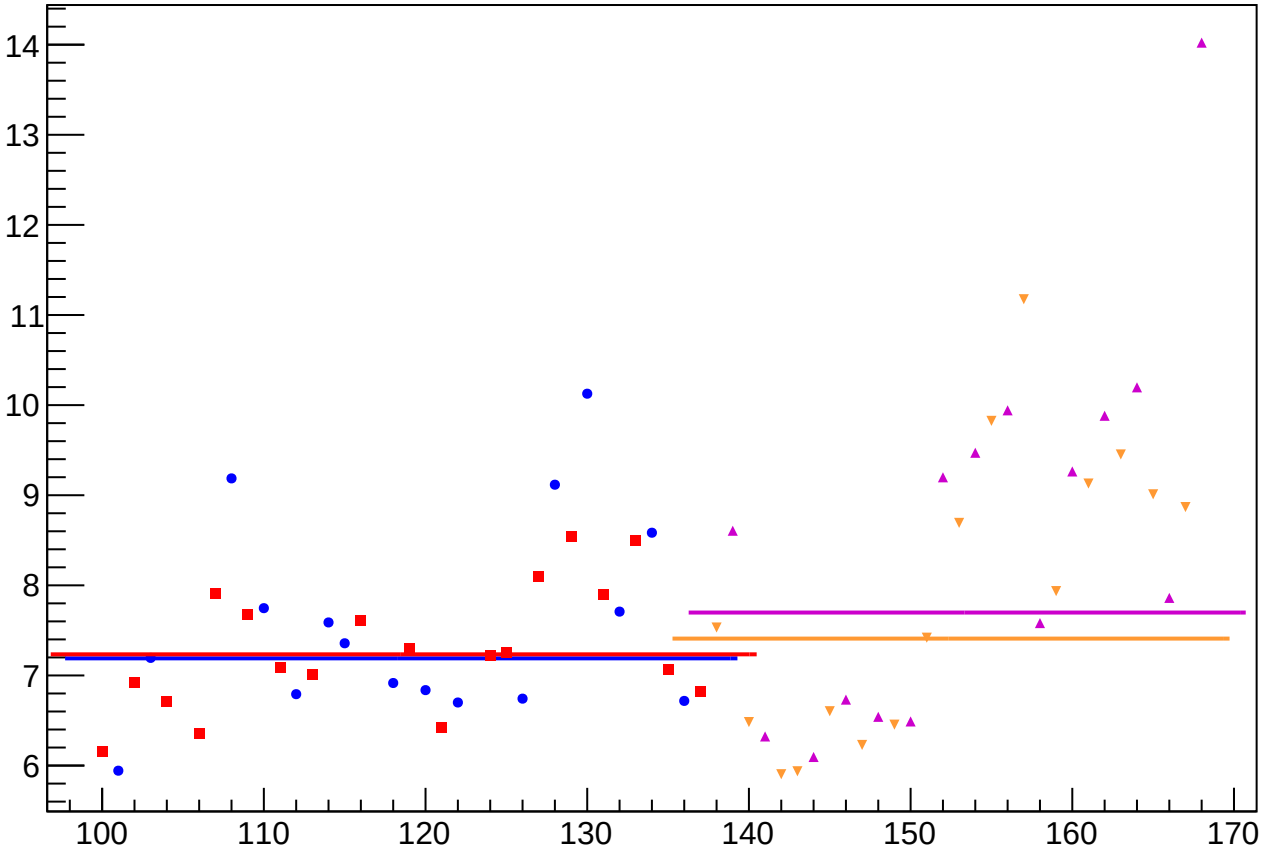
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:25.2/30

Out: -0.000+/-0.002 χ^2/NDF:37.6/34

All: 0.000+/-0.001 χ^2/NDF: 62.9/65

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.409+/-0.002 χ^2/NDF:854919.3/15

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.698+/-0.002 χ^2/NDF:1115583.1/14

Left: 7.546+/-0.001 χ^2/NDF: 1987925.5/30

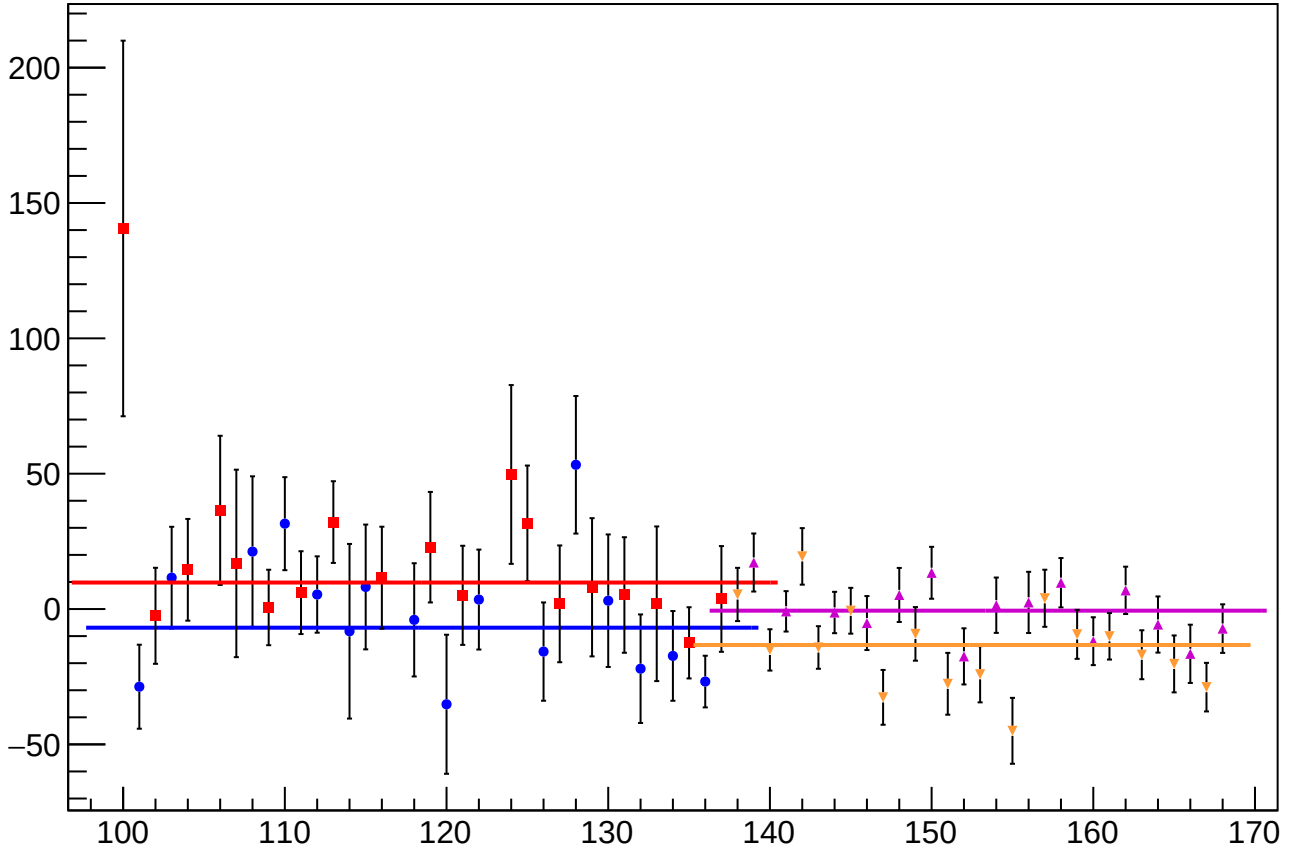
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.491+/-0.001 χ^2/NDF:1435004.9/30

Out: 7.341+/-0.001 χ^2/NDF:966434.5/34

All: 7.413+/-0.001 χ^2/NDF: 2409338.1/65

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -13.290+/-2.365 χ^2/NDF:35.6/15

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.604+/-2.428 χ^2/NDF:14.8/14

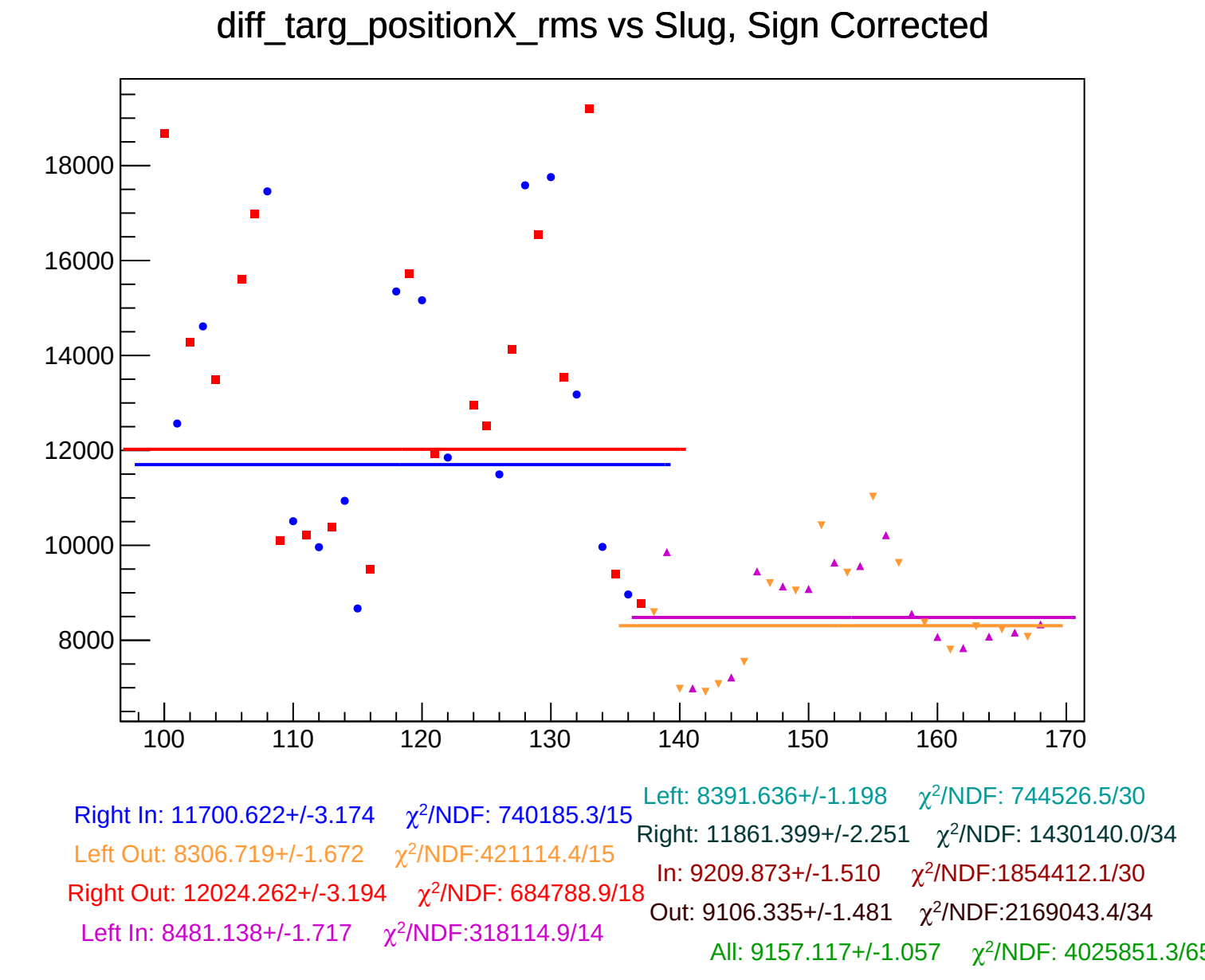
Left: -7.114+/-1.694 χ^2/NDF: 64.4/30

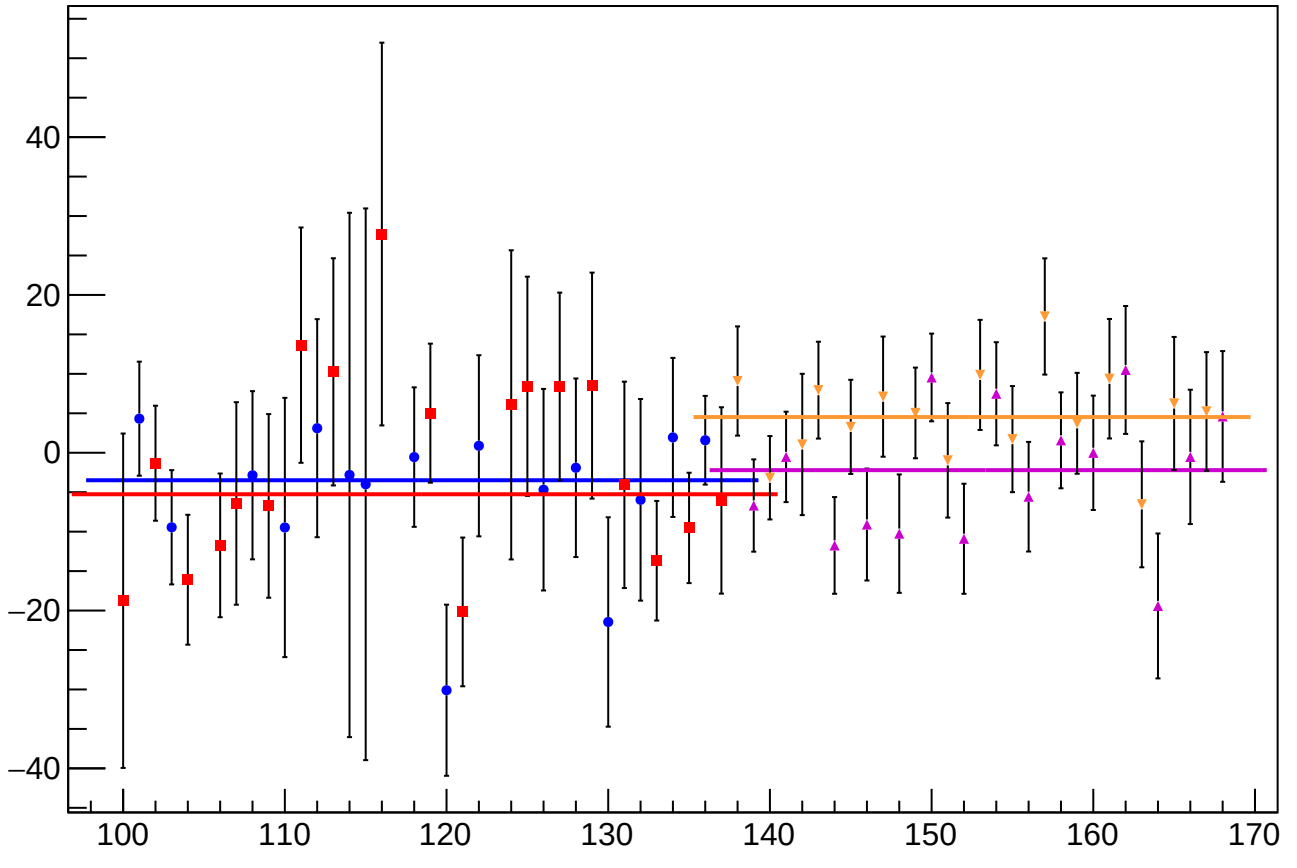
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.027+/-2.135 χ^2/NDF:39.4/30

Out: -8.326+/-2.095 χ^2/NDF:70.1/34

All: -5.237+/-1.495 χ^2/NDF: 113.9/65


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8306.719+/-1.672 χ²/NDF:421114.4/15
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8481.138+/-1.717 χ²/NDF:318114.9/14
Left: 8391.636+/-1.198 χ²/NDF: 744526.5/30
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9209.873+/-1.510 χ²/NDF:1854412.1/30
Out: 9106.335+/-1.481 χ²/NDF:2169043.4/34
All: 9157.117+/-1.057 χ²/NDF: 4025851.3/65



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.524+/-1.713 χ^2/NDF:9.9/15

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.205+/-1.761 χ^2/NDF:20.8/14

Left: 1.252+/-1.228 χ^2/NDF: 38.2/30

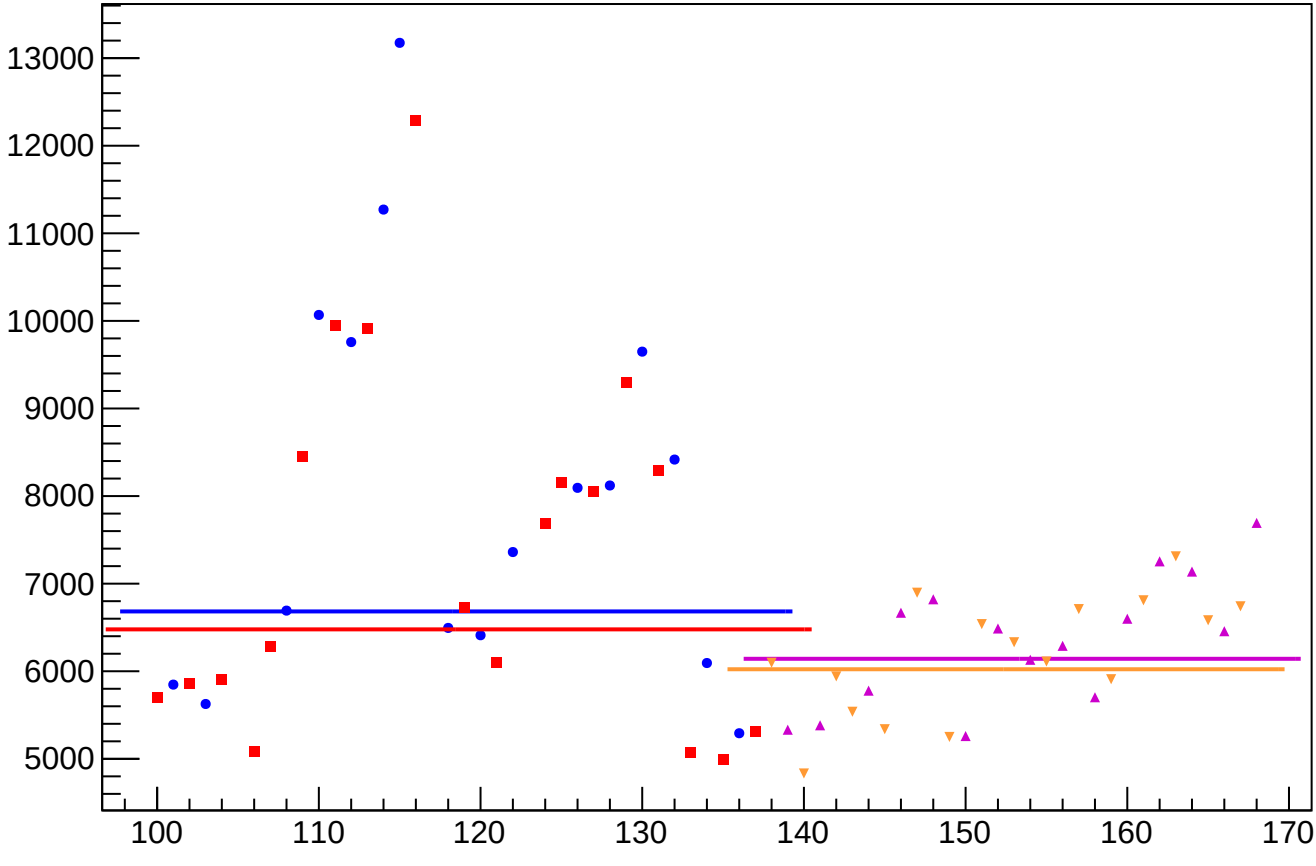
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.618+/-1.449 χ^2/NDF:32.5/30

Out: 1.305+/-1.403 χ^2/NDF:37.2/34

All: -0.594+/-1.008 χ^2/NDF: 73.5/65

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6022.852+/-1.211 χ^2/NDF:336285.0/15

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6142.134+/-1.245 χ^2/NDF:316565.1/14

Left: 6080.857+/-0.868 χ^2/NDF: 657565.5/30

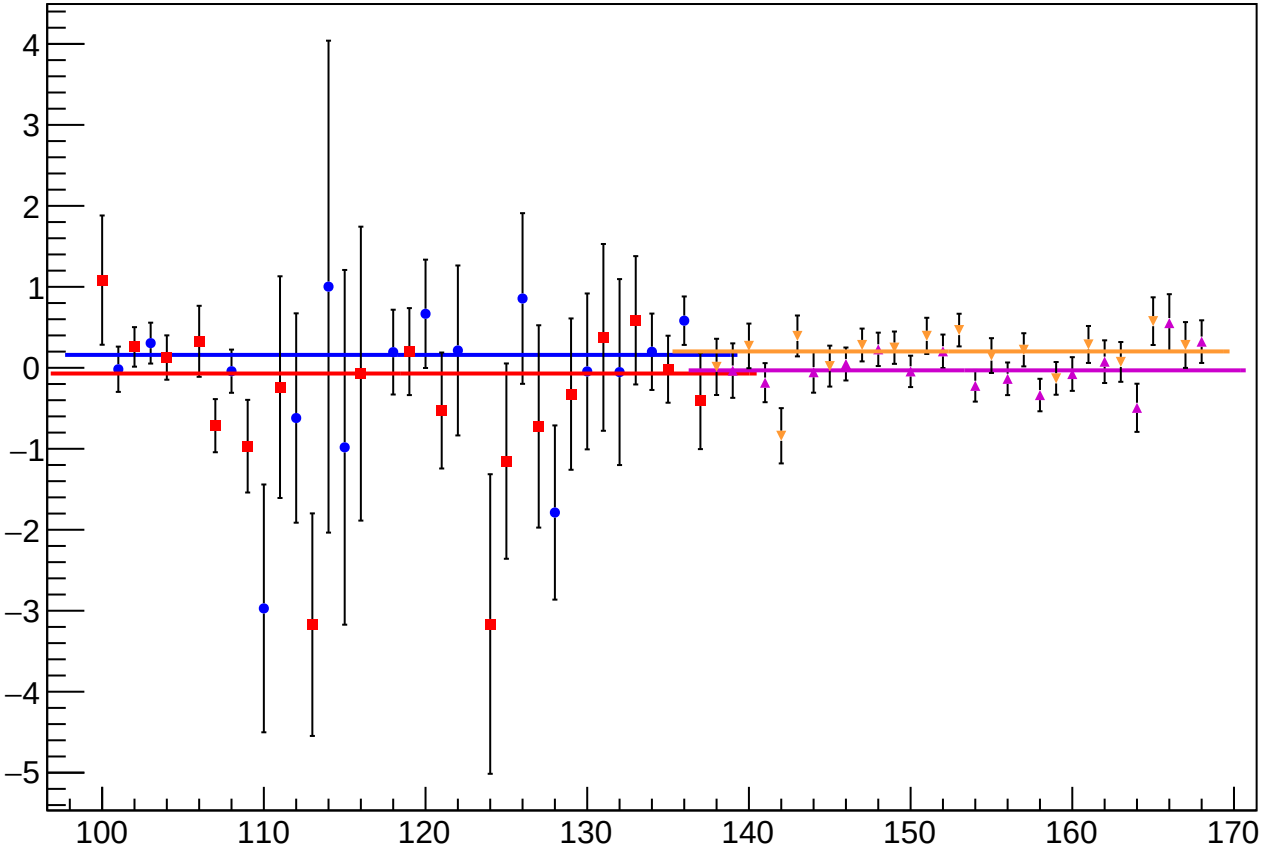
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6316.779+/-1.024 χ^2/NDF:1069702.6/30

Out: 6172.646+/-0.992 χ^2/NDF:1221990.6/34

All: 6242.408+/-0.713 χ^2/NDF: 2301906.3/65

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.202+/-0.059 χ^2/NDF:18.3/15

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.031+/-0.059 χ^2/NDF:14.1/14

Left: 0.085+/-0.042 χ^2/NDF: 40.2/30

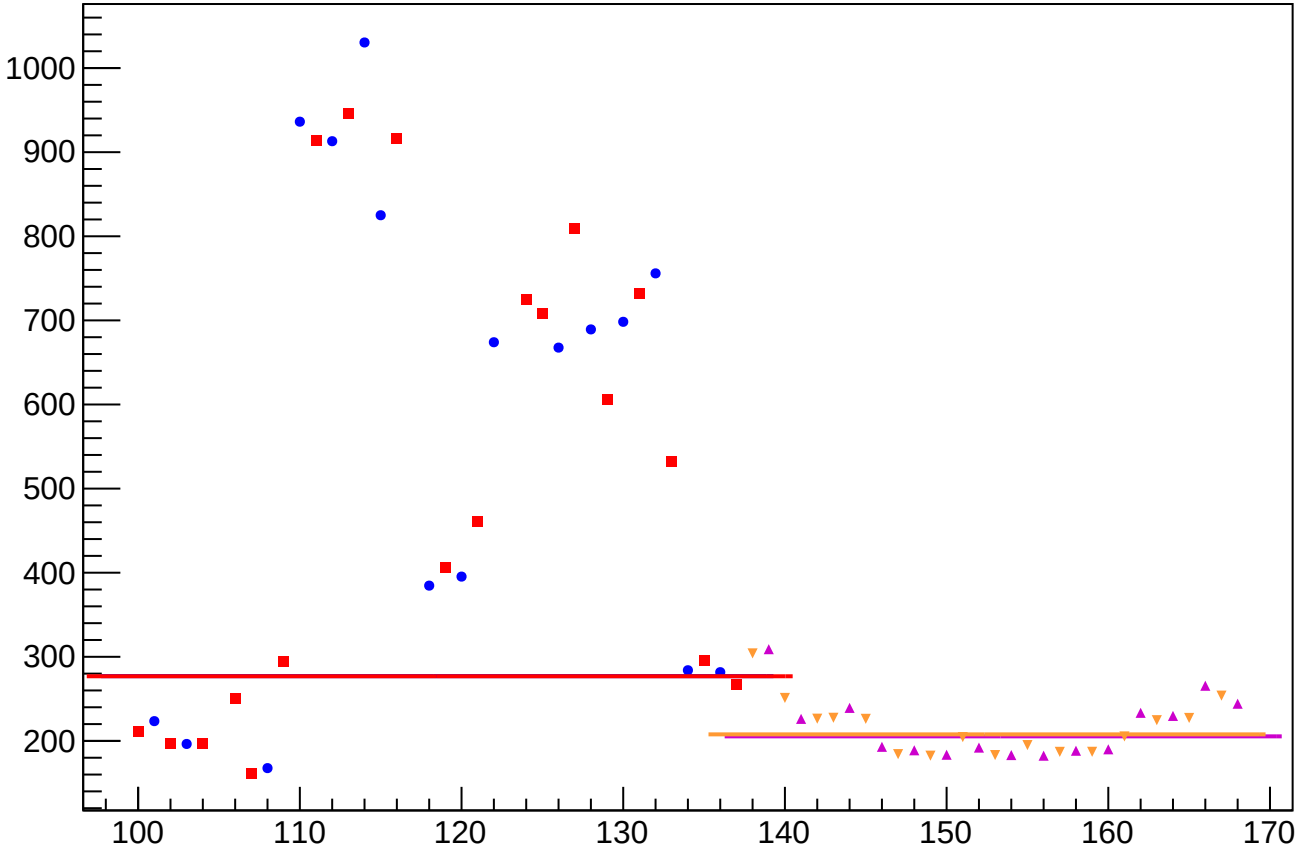
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.006+/-0.053 χ^2/NDF:28.7/30

Out: 0.149+/-0.053 χ^2/NDF:44.9/34

All: 0.077+/-0.037 χ^2/NDF: 77.3/65

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 207.784+/-0.042 χ^2/NDF:441618.0/15

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 205.424+/-0.042 χ^2/NDF:508394.6/14

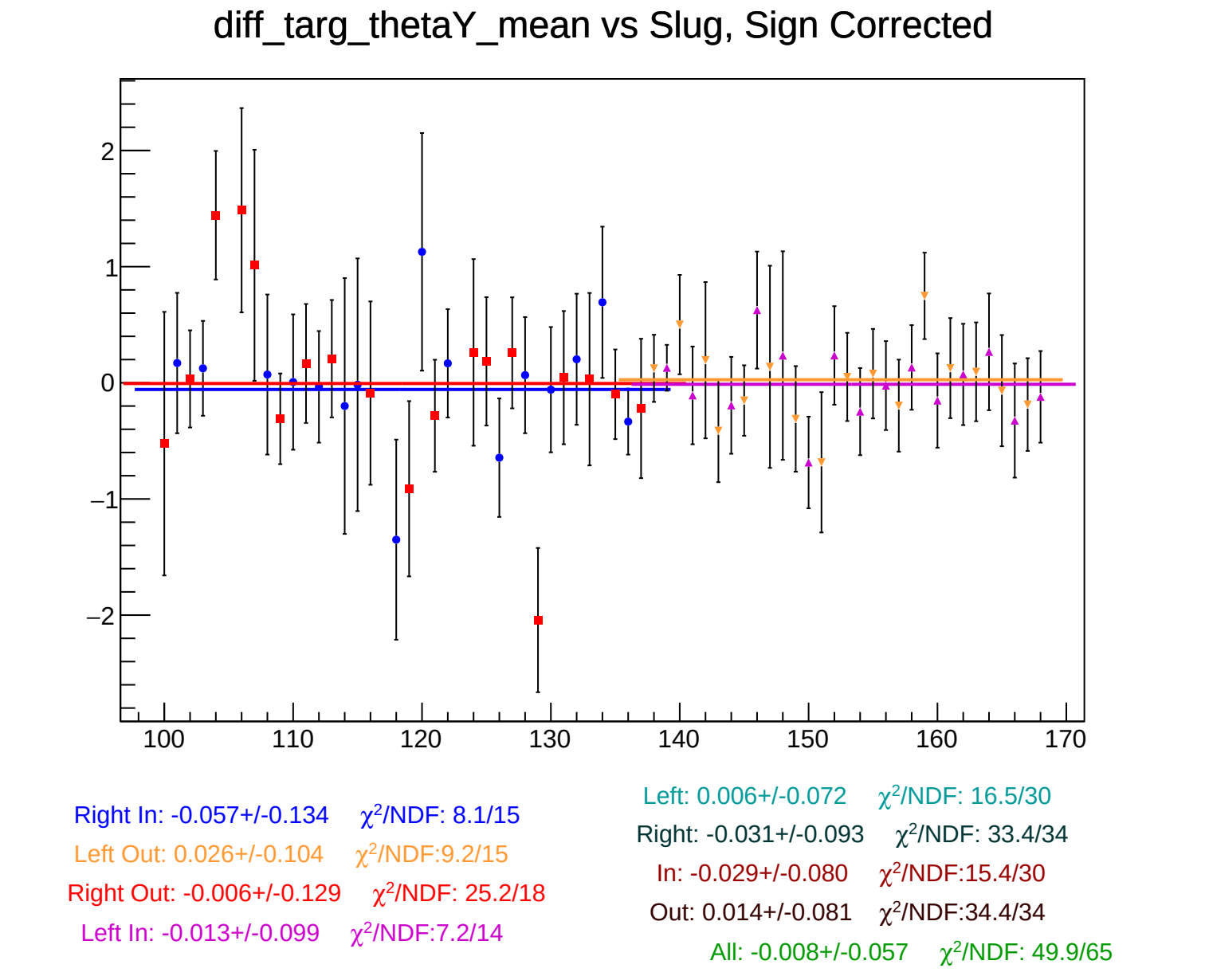
Left: 206.602+/-0.030 χ^2/NDF: 951603.8/30

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

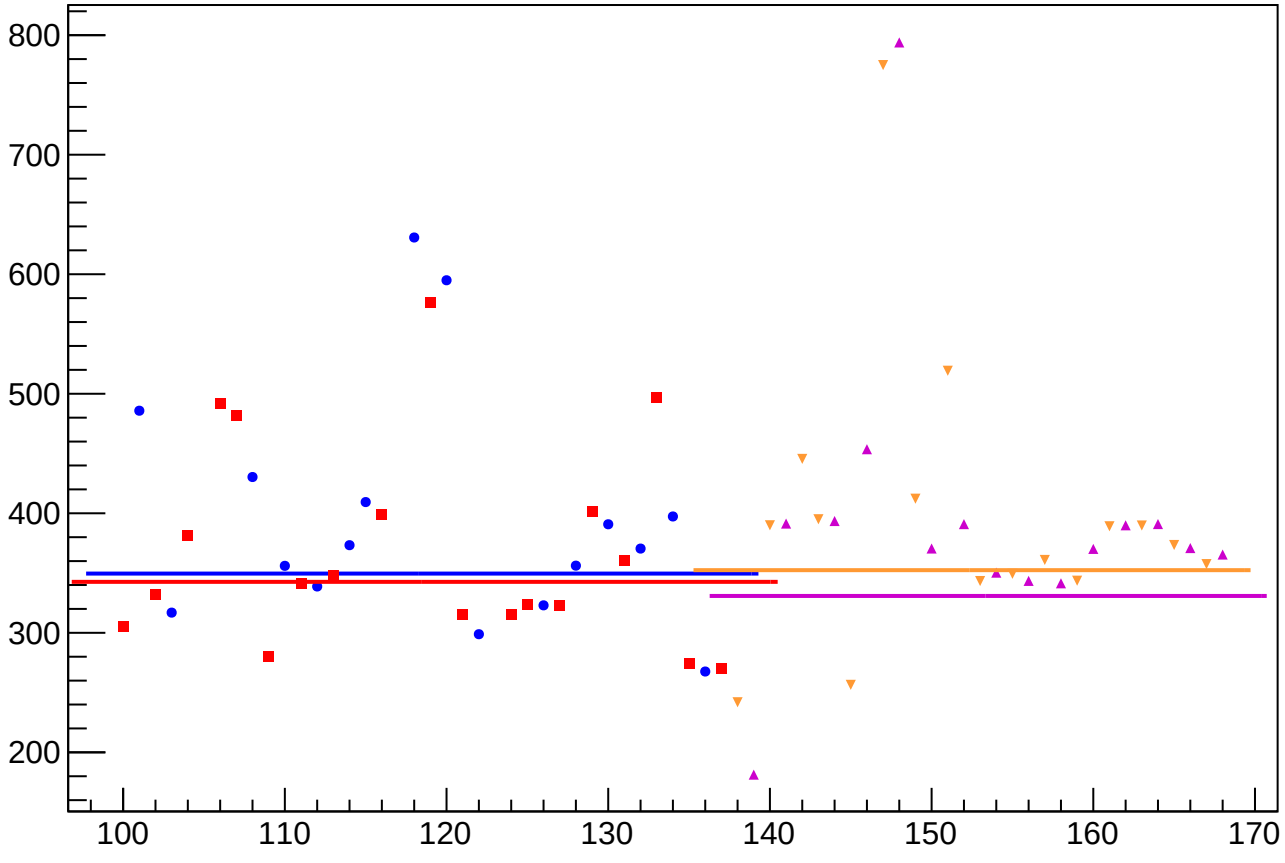
In: 219.486+/-0.037 χ^2/NDF:4535004.8/30

Out: 221.362+/-0.038 χ^2/NDF:4548463.4/34

All: 220.423+/-0.027 χ^2/NDF: 9084719.9/65


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.026+/-0.104 χ²/NDF:9.2/15
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.013+/-0.099 χ²/NDF:7.2/14
Left: 0.006+/-0.072 χ²/NDF: 16.5/30
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.029+/-0.080 χ²/NDF:15.4/30
Out: 0.014+/-0.081 χ²/NDF:34.4/34
All: -0.008+/-0.057 χ²/NDF: 49.9/65

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.413+/-0.073 χ^2/NDF:1261023.5/15

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.843+/-0.070 χ^2/NDF:2065785.3/14

Left: 341.175+/-0.051 χ^2/NDF: 3372058.5/30

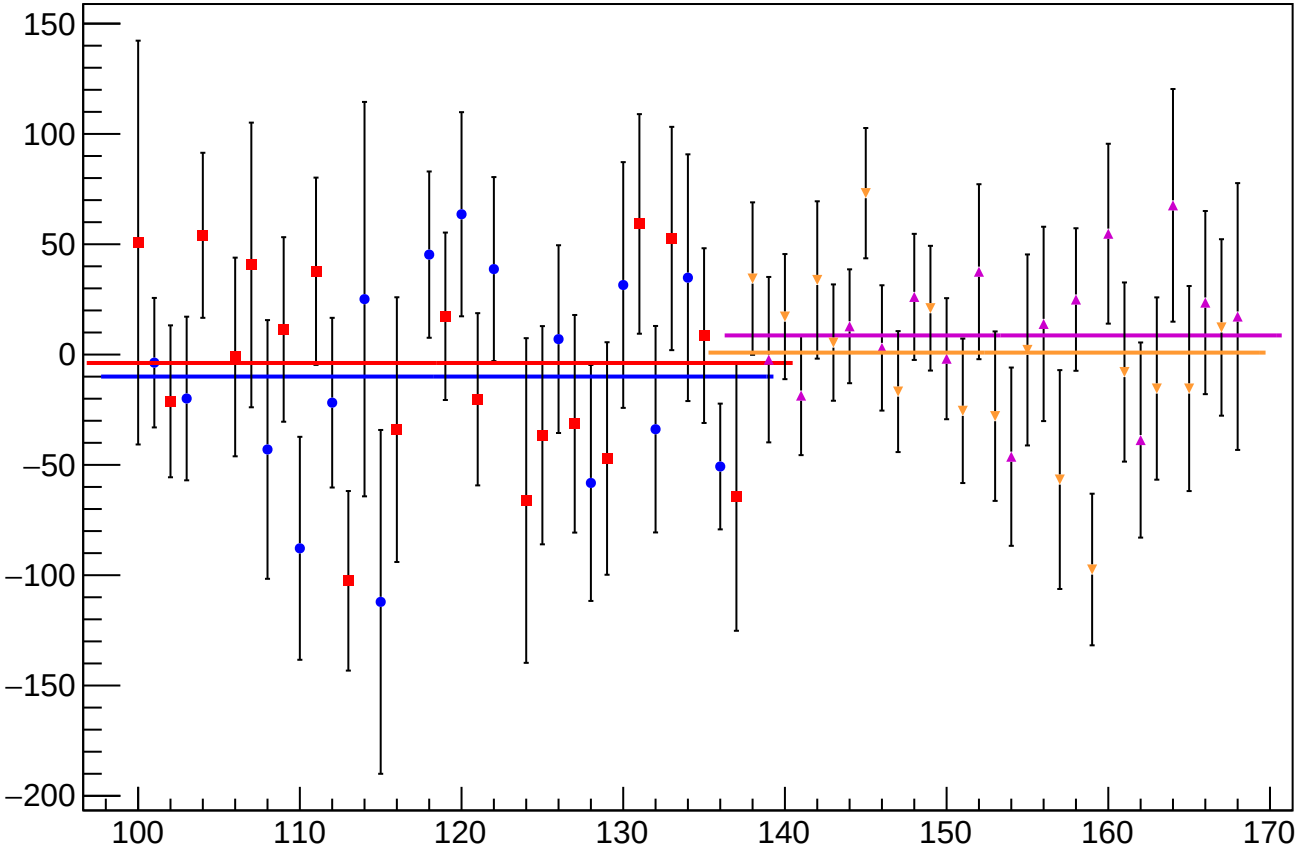
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 337.486+/-0.056 χ^2/NDF:2790335.3/30

Out: 348.583+/-0.057 χ^2/NDF:1843769.1/34

All: 342.965+/-0.040 χ^2/NDF: 4653242.6/65

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.678+/-8.970 χ^2/NDF:8.2/14

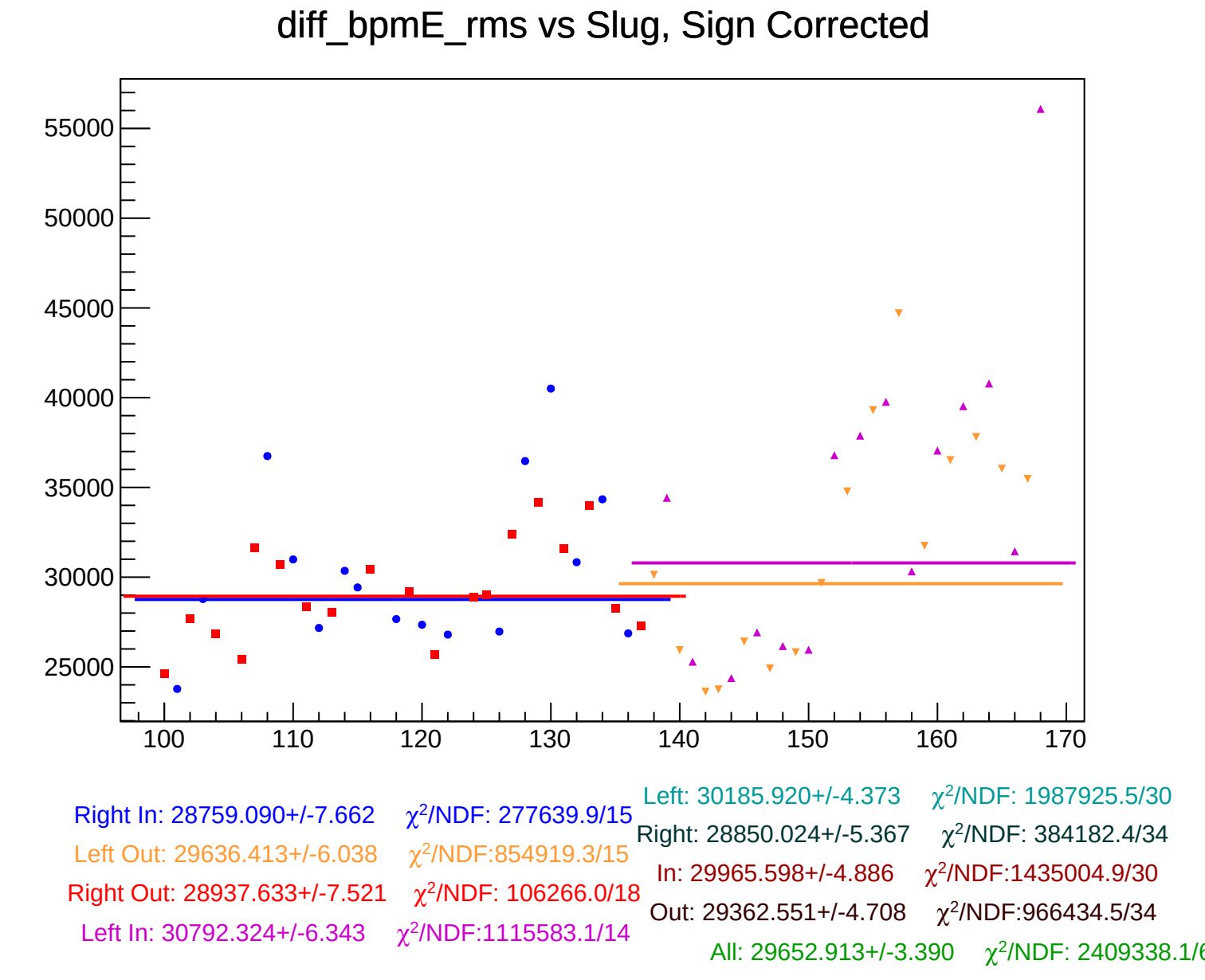
Left: 4.589+/-6.185 χ^2/NDF: 28.8/30

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

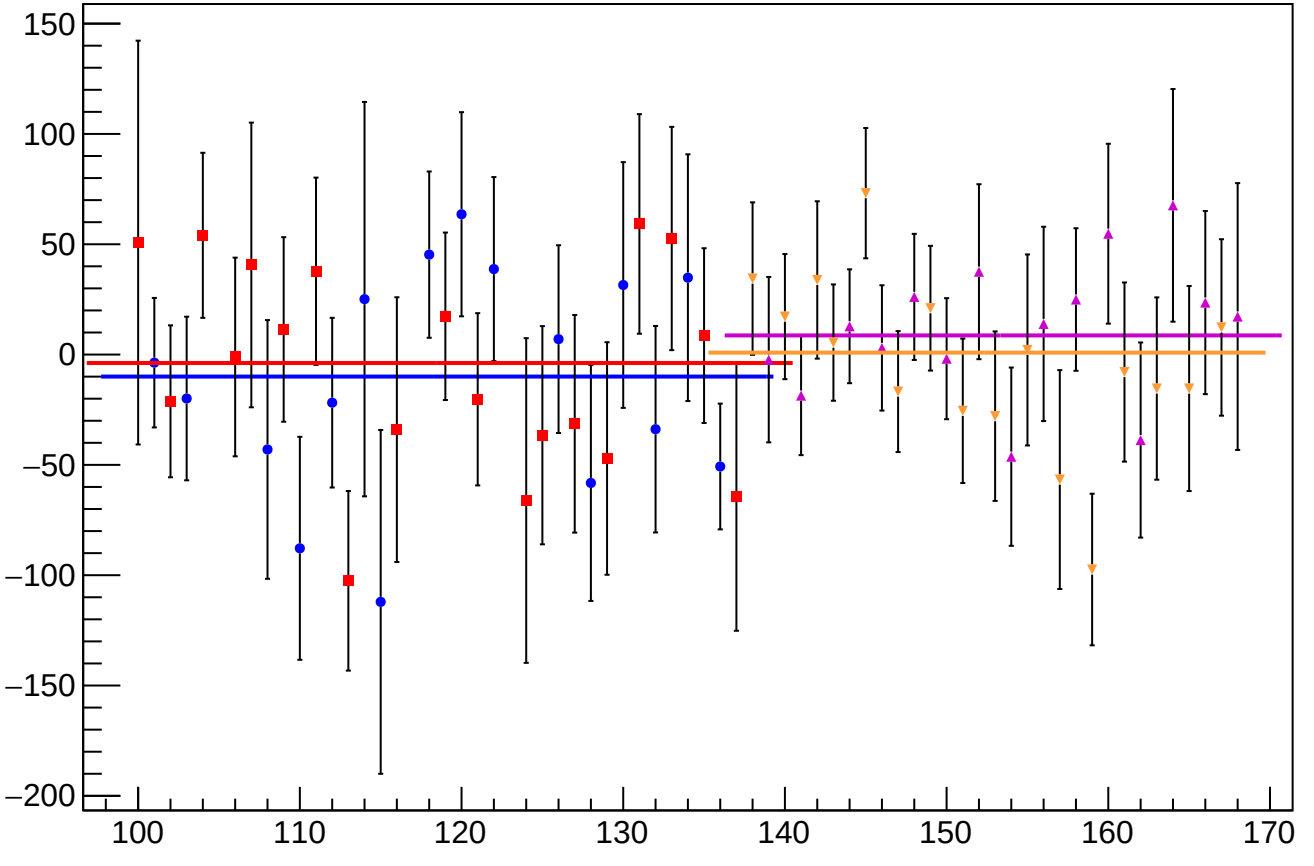
In: 1.096+/-6.910 χ^2/NDF:25.2/30

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: 0.031+/-4.795 χ^2/NDF: 62.9/65


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29636.413+/-6.038 χ²/NDF:854919.3/15
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30792.324+/-6.343 χ²/NDF:1115583.1/14
Left: 30185.920+/-4.373 χ²/NDF: 1987925.5/30
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29965.598+/-4.886 χ²/NDF:1435004.9/30
Out: 29362.551+/-4.708 χ²/NDF:966434.5/34
All: 29652.913+/-3.390 χ²/NDF: 2409338.1/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.678+/-8.970 χ^2/NDF:8.2/14

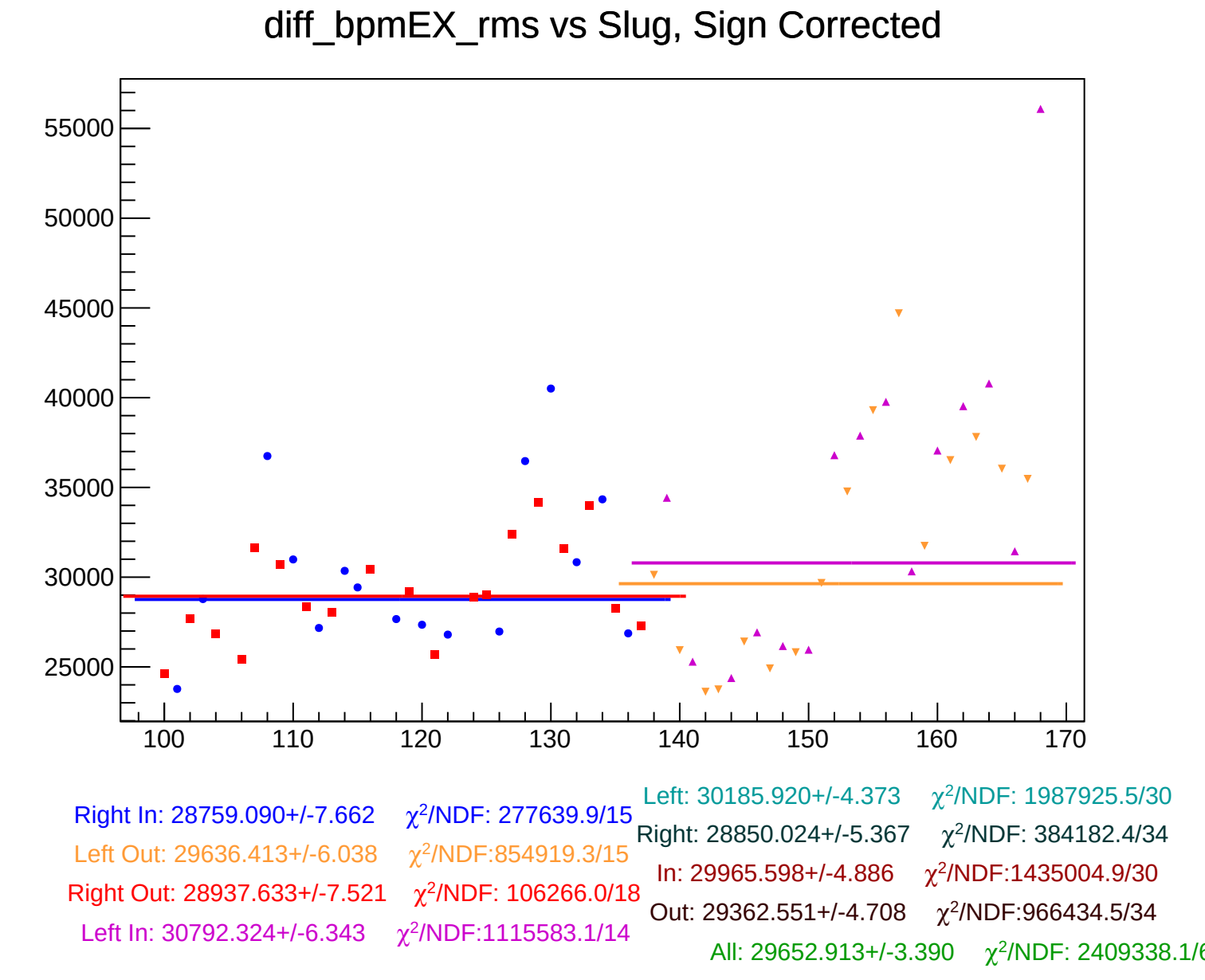
Left: 4.589+/-6.185 χ^2/NDF: 28.8/30

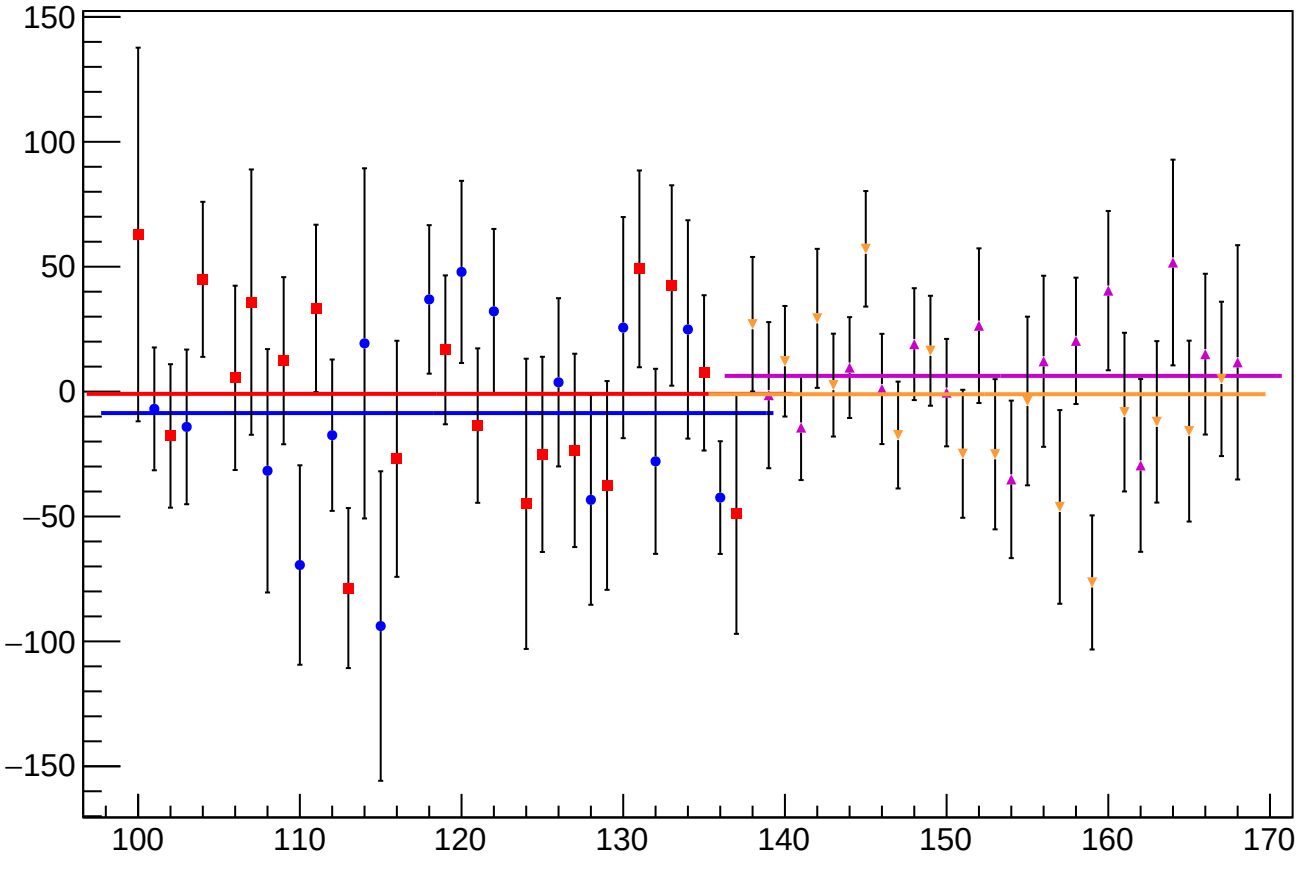
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 1.096+/-6.910 χ^2/NDF:25.2/30

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: 0.031+/-4.795 χ^2/NDF: 62.9/65


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29636.413+/-6.038 χ²/NDF:854919.3/15
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30792.324+/-6.343 χ²/NDF:1115583.1/14
Left: 30185.920+/-4.373 χ²/NDF: 1987925.5/30
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29965.598+/-4.886 χ²/NDF:1435004.9/30
Out: 29362.551+/-4.708 χ²/NDF:966434.5/34
All: 29652.913+/-3.390 χ²/NDF: 2409338.1/6



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.047+/-6.666 χ^2/NDF:21.3/15

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 6.288+/-7.004 χ^2/NDF:7.5/14

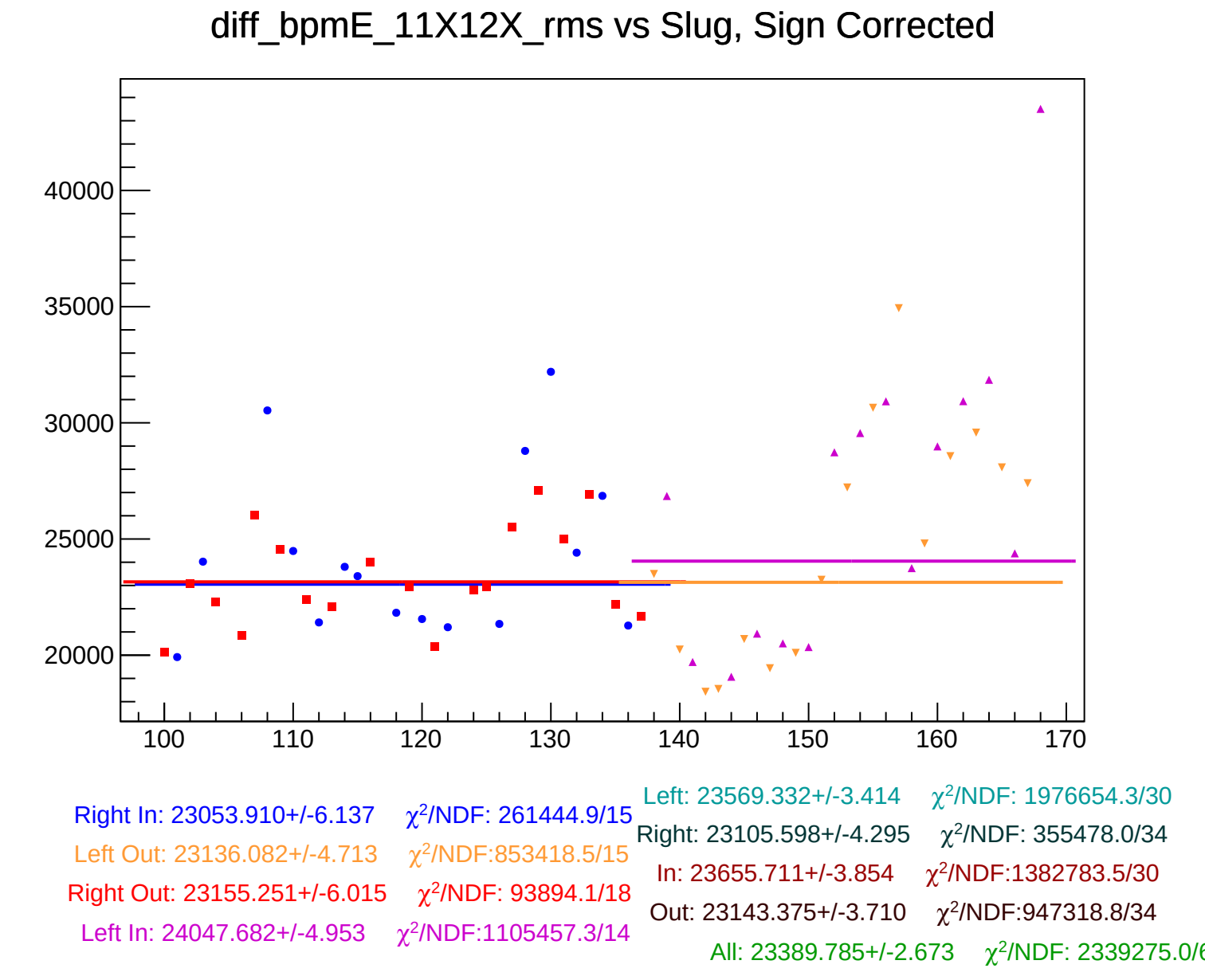
Left: 2.439+/-4.828 χ^2/NDF: 29.4/30

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

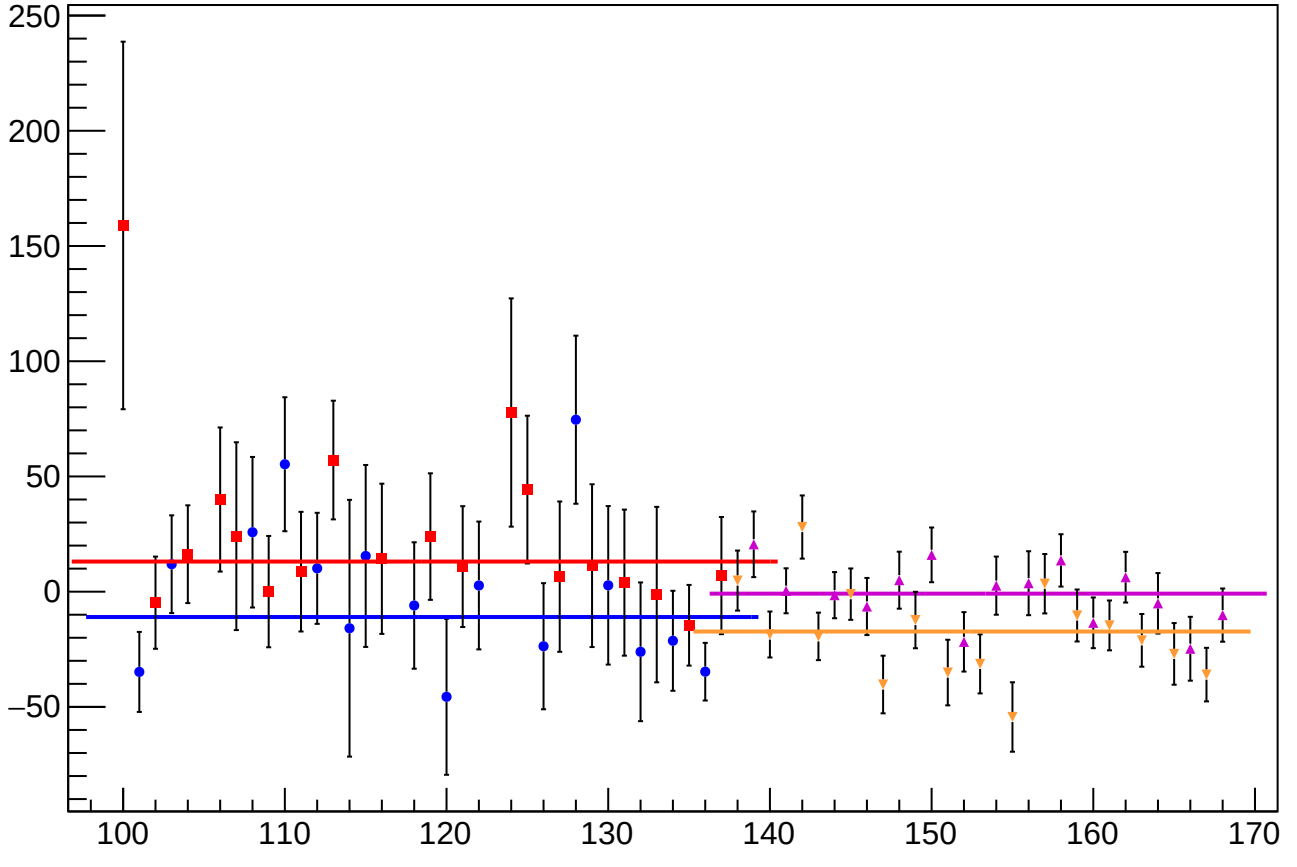
In: 0.416+/-5.450 χ^2/NDF:24.8/30

Out: -0.993+/-5.247 χ^2/NDF:38.9/34

All: -0.315+/-3.780 χ^2/NDF: 63.8/65


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23136.082+/-4.713 χ²/NDF:853418.5/15
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24047.682+/-4.953 χ²/NDF:1105457.3/14
Left: 23569.332+/-3.414 χ²/NDF: 1976654.3/30
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23655.711+/-3.854 χ²/NDF:1382783.5/30
Out: 23143.375+/-3.710 χ²/NDF:947318.8/34
All: 23389.785+/-2.673 χ²/NDF: 2339275.0/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -17.298+/-3.011 χ^2/NDF:34.6/15

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: -0.854+/-3.074 χ^2/NDF:14.6/14

Left: -9.246+/-2.151 χ^2/NDF: 63.8/30

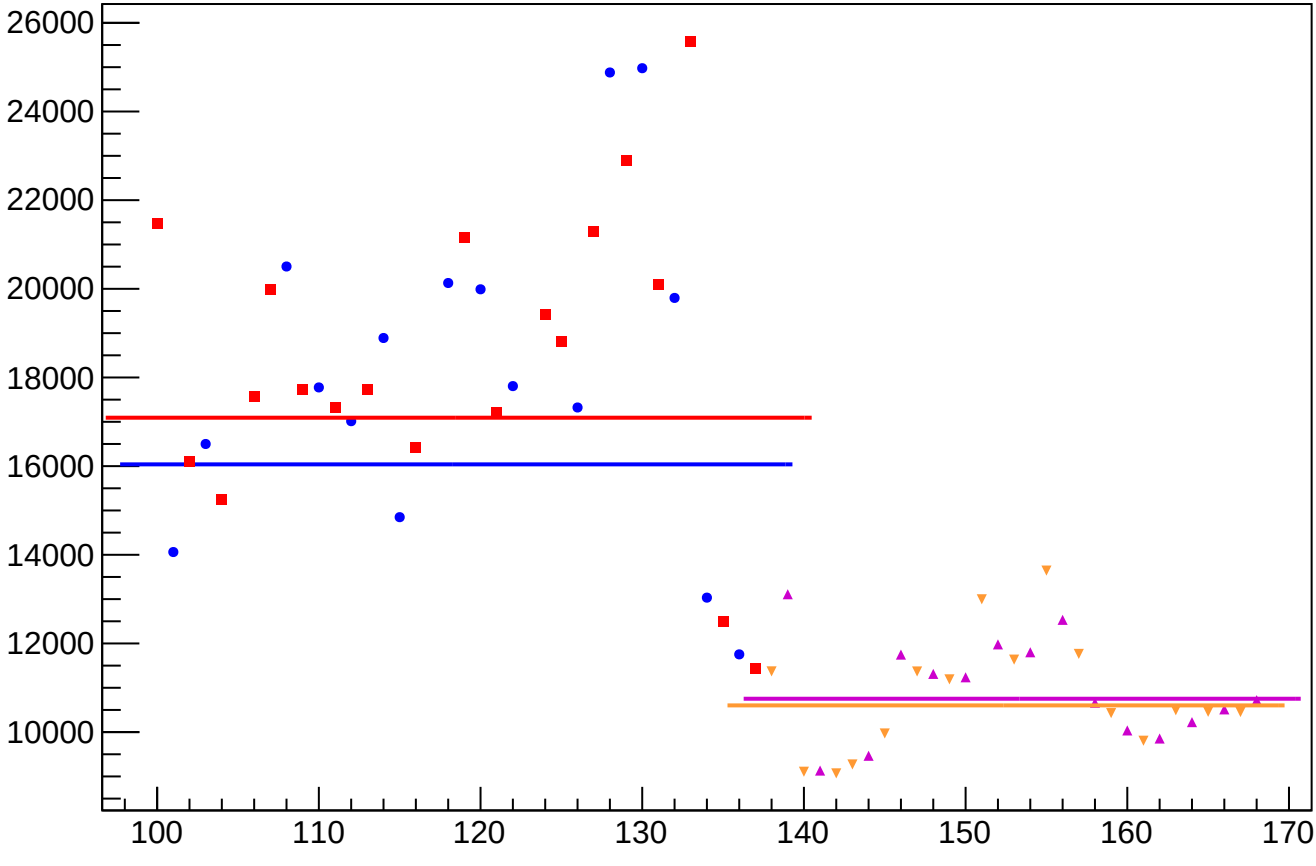
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.880+/-2.750 χ^2/NDF:38.8/30

Out: -11.768+/-2.723 χ^2/NDF:67.0/34

All: -7.368+/-1.935 χ^2/NDF: 111.1/65

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10602.685+/-2.129 χ^2/NDF:308265.4/15

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10752.701+/-2.174 χ^2/NDF:253760.0/14

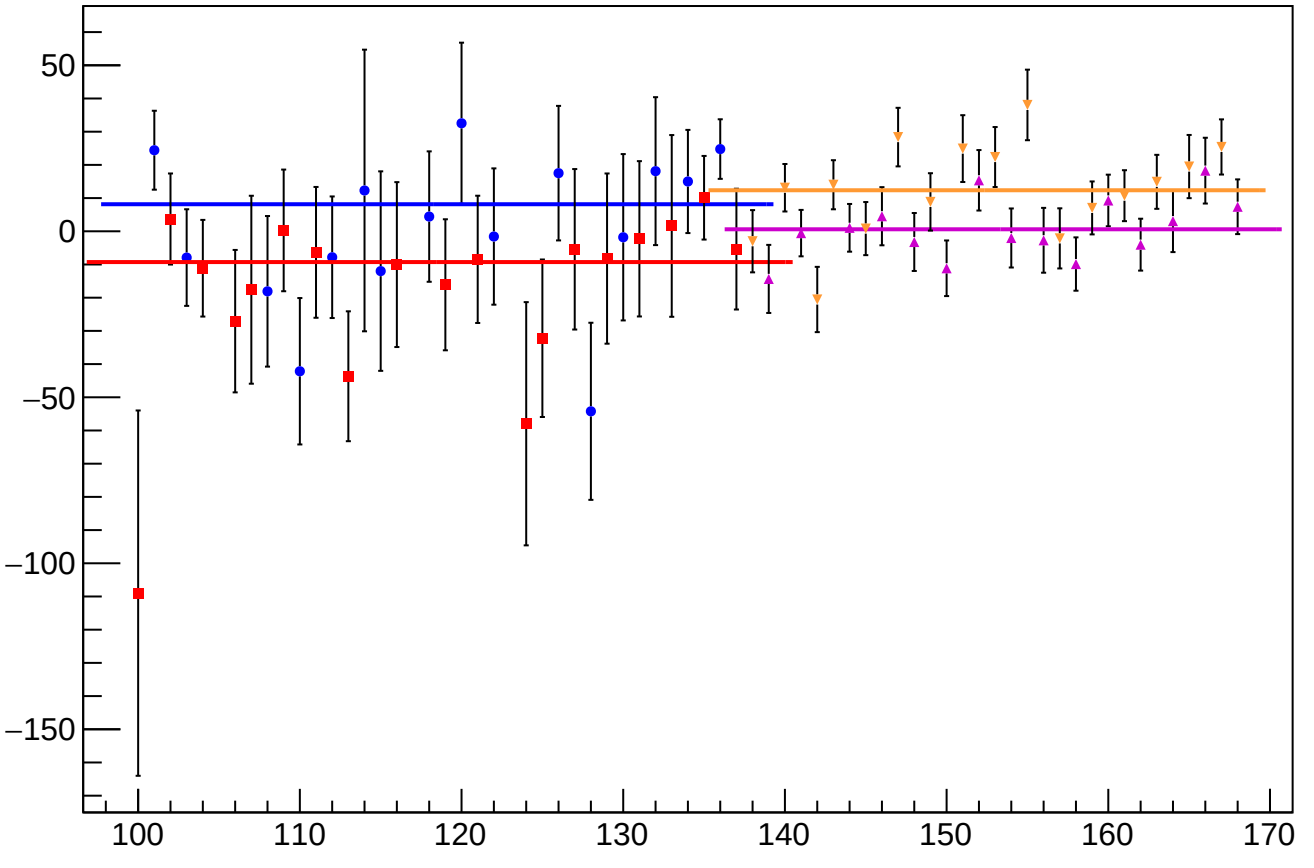
Left: 10676.138+/-1.521 χ^2/NDF: 564456.0/30

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

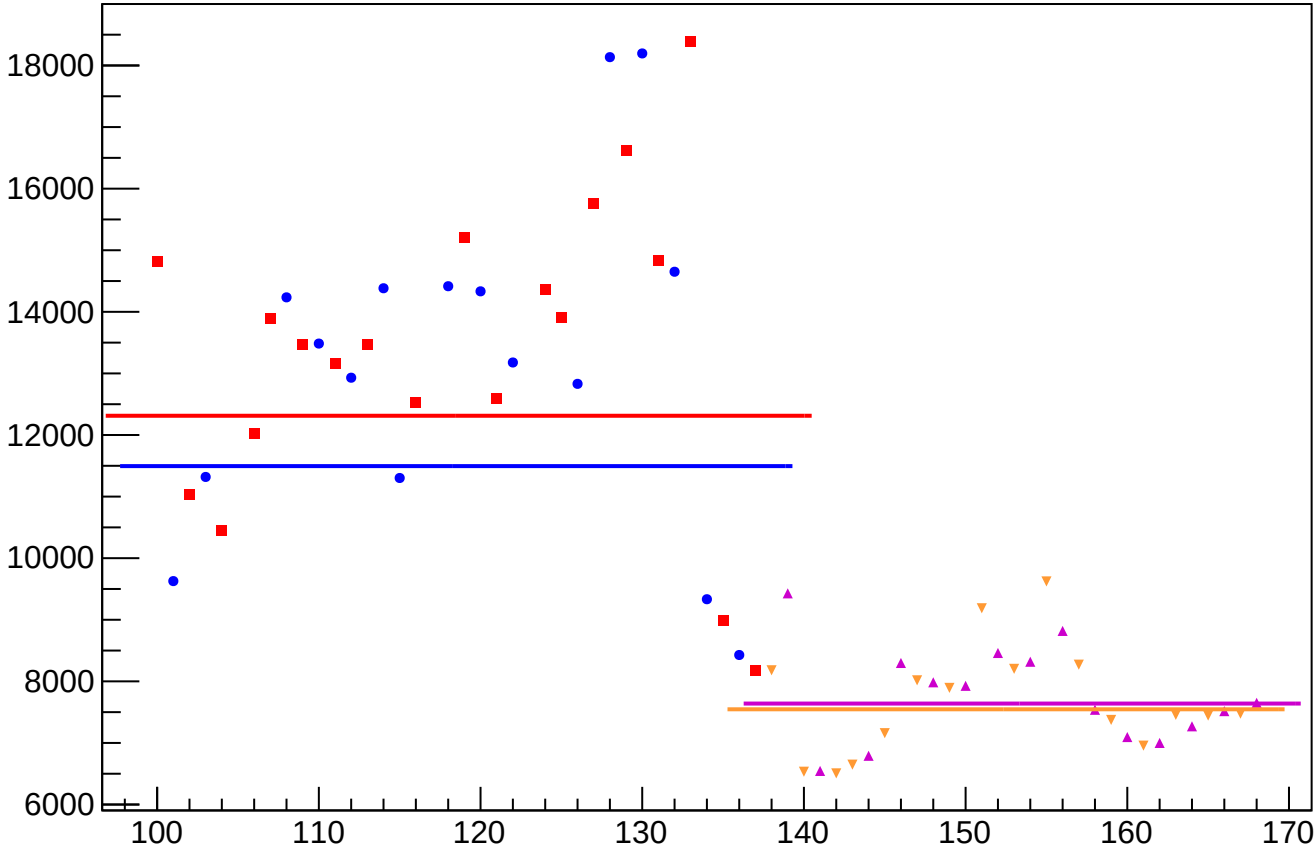
In: 11808.401+/-1.945 χ^2/NDF:2157674.0/30

Out: 11784.403+/-1.926 χ^2/NDF:2535433.4/34

All: 11796.284+/-1.368 χ^2/NDF: 4693184.2/6


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 12.360+/-2.142 χ²/NDF:34.3/15
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: 0.604+/-2.184 χ²/NDF:14.6/14
Left: 6.595+/-1.529 χ²/NDF: 63.6/30
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 2.083+/-1.958 χ²/NDF:38.7/30
Out: 8.516+/-1.942 χ²/NDF:66.3/34
All: 5.325+/-1.379 χ²/NDF: 110.4/65

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7546.272+/-1.515 χ^2/NDF:281125.7/15

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7639.463+/-1.544 χ^2/NDF:238602.8/14

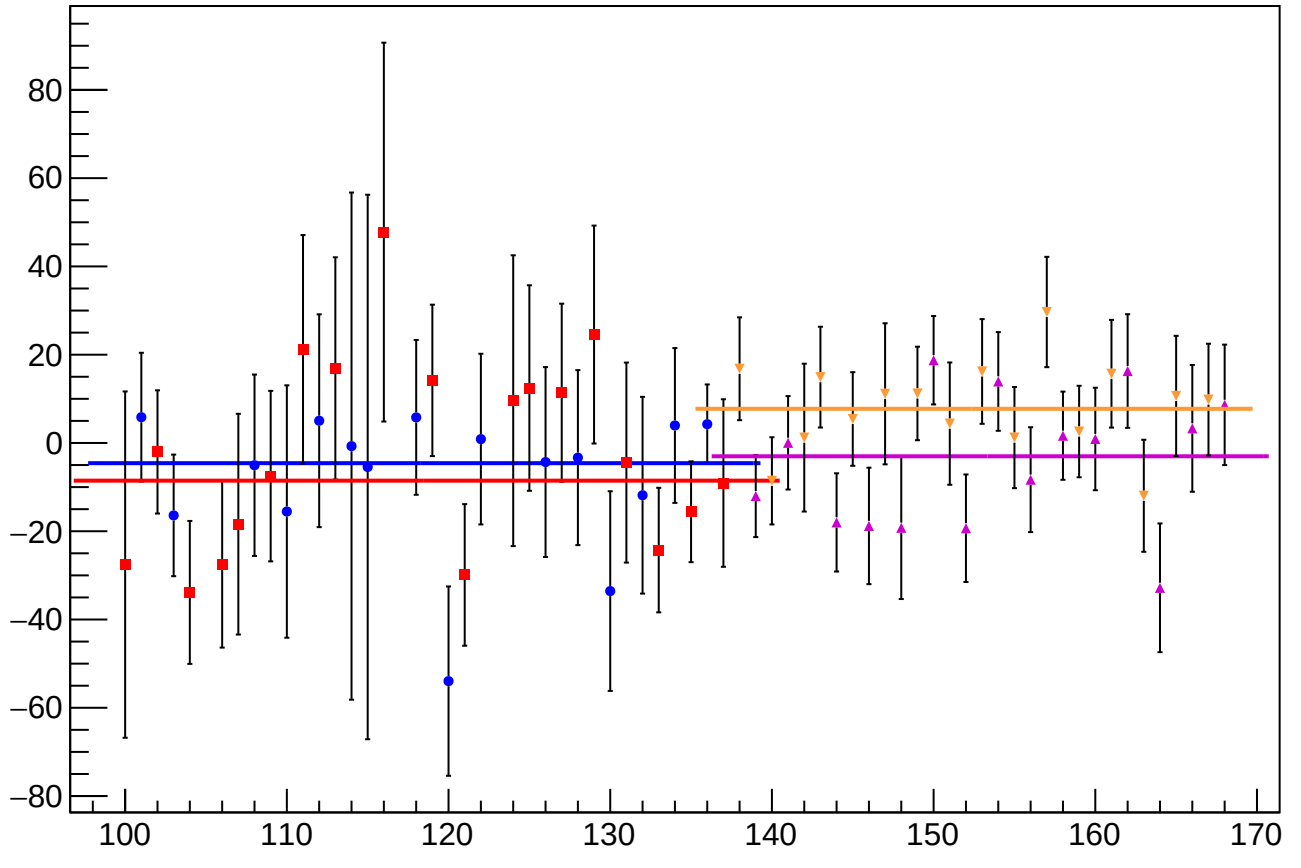
Left: 7591.970+/-1.081 χ^2/NDF: 521585.1/30

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

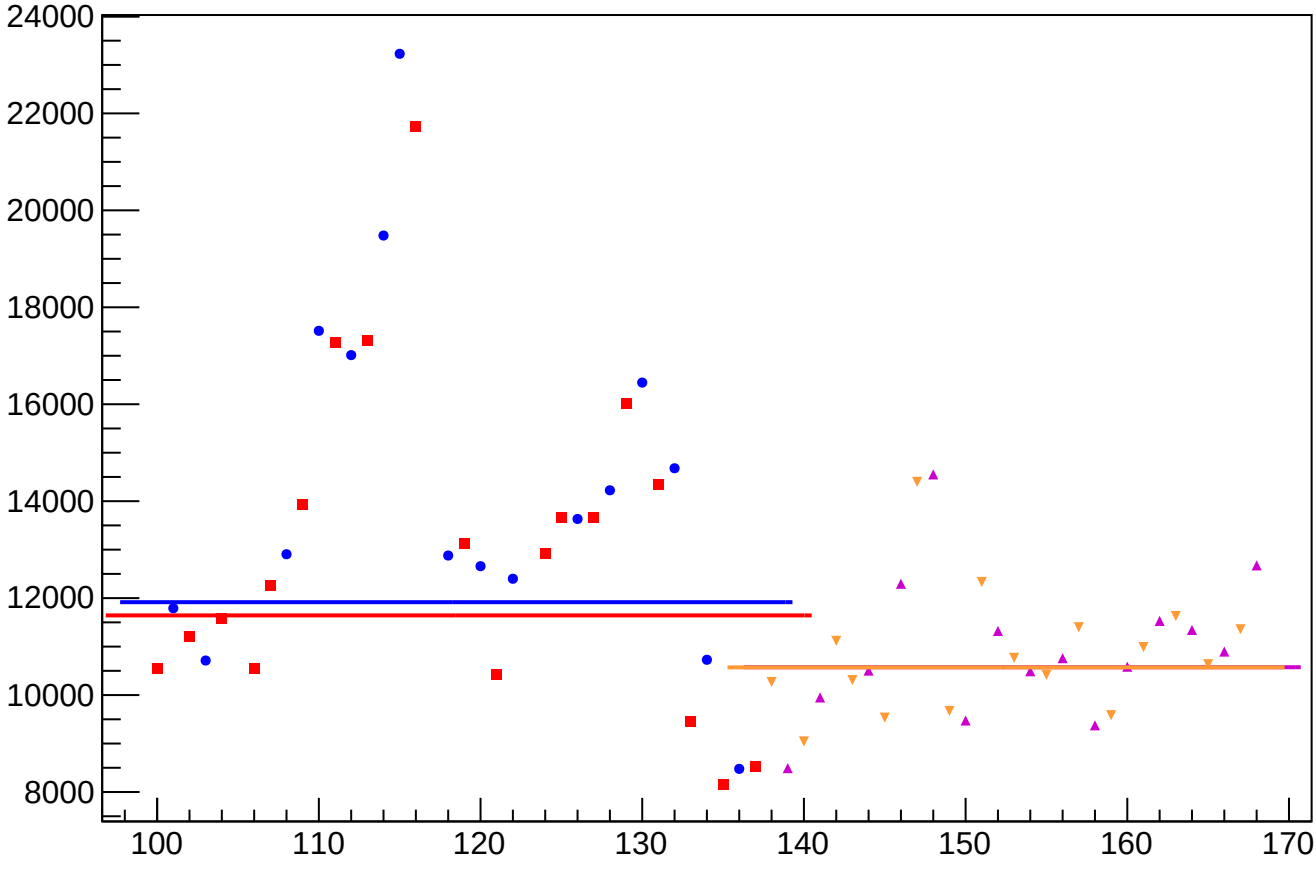
In: 8395.012+/-1.384 χ^2/NDF:2250580.1/30

Out: 8393.319+/-1.373 χ^2/NDF:2639988.5/34

All: 8394.159+/-0.975 χ^2/NDF: 4890569.4/65


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 7.745+/-3.005 χ²/NDF:11.2/15
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -3.017+/-3.038 χ²/NDF:22.0/14
Left: 2.424+/-2.136 χ²/NDF: 39.5/30
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -3.498+/-2.527 χ²/NDF:32.3/30
Out: 2.555+/-2.480 χ²/NDF:37.8/34
All: -0.414+/-1.770 χ²/NDF: 73.0/65

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10571.332+/-2.125 χ^2/NDF:284829.2/15

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10574.572+/-2.148 χ^2/NDF:388640.0/14

Left: 10572.934+/-1.511 χ^2/NDF: 673470.4/30

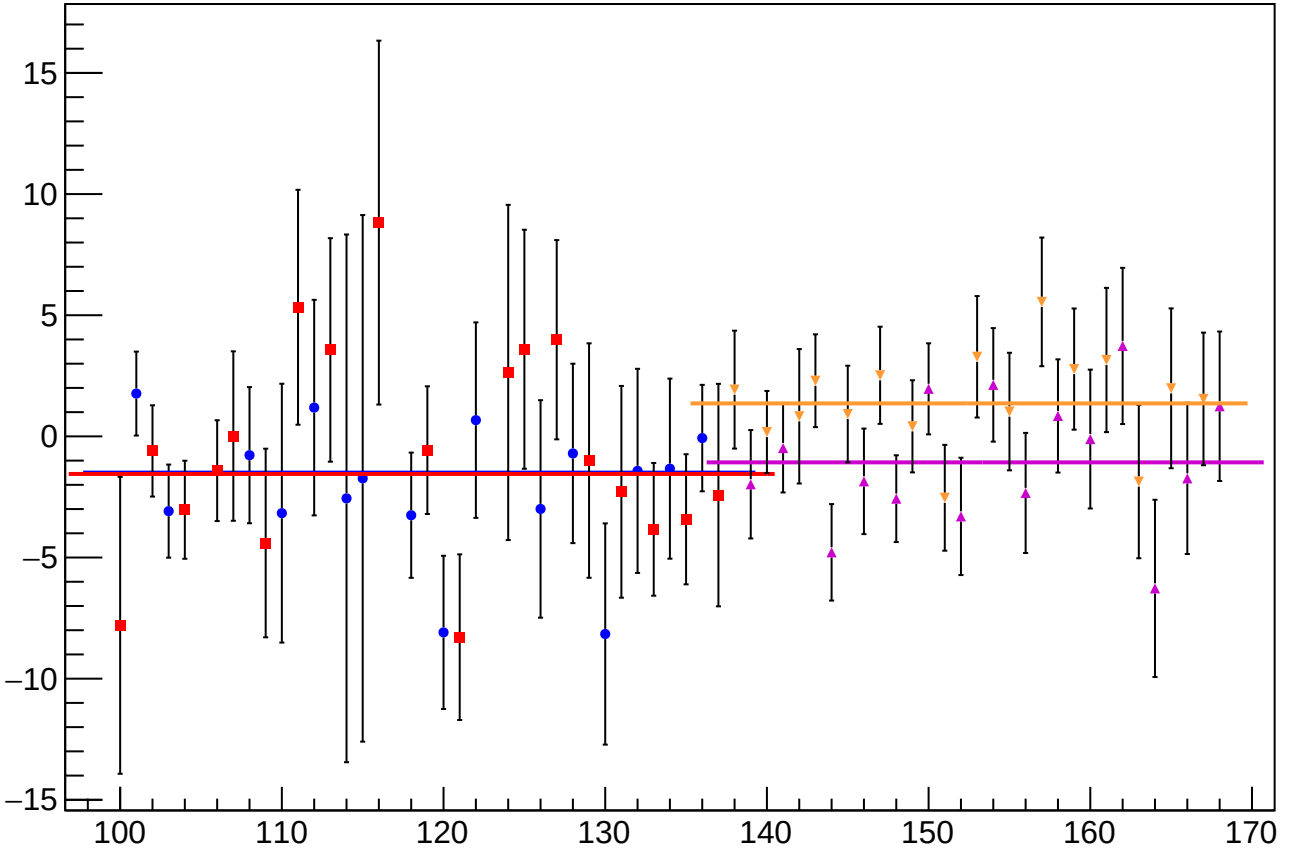
Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10987.872+/-1.787 χ^2/NDF:1258555.7/30

Out: 10913.137+/-1.754 χ^2/NDF:1156391.7/34

All: 10949.794+/-1.252 χ^2/NDF: 2415838.4/6

diff_bpm4aediffY_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.362+/-0.580 χ^2/NDF:9.5/15

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.073+/-0.602 χ^2/NDF:15.8/14

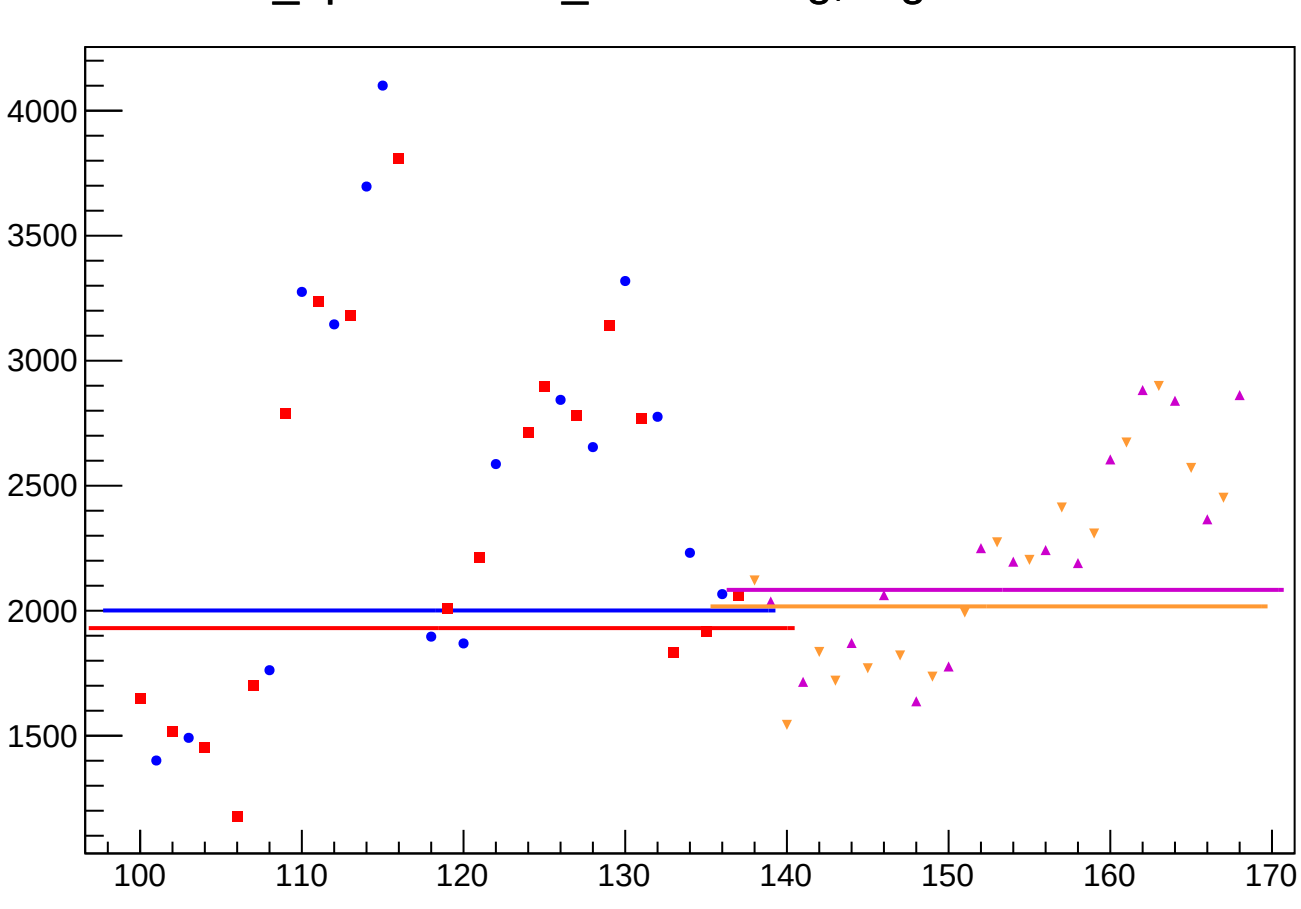
Left: 0.191+/-0.418 χ^2/NDF: 33.8/30

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

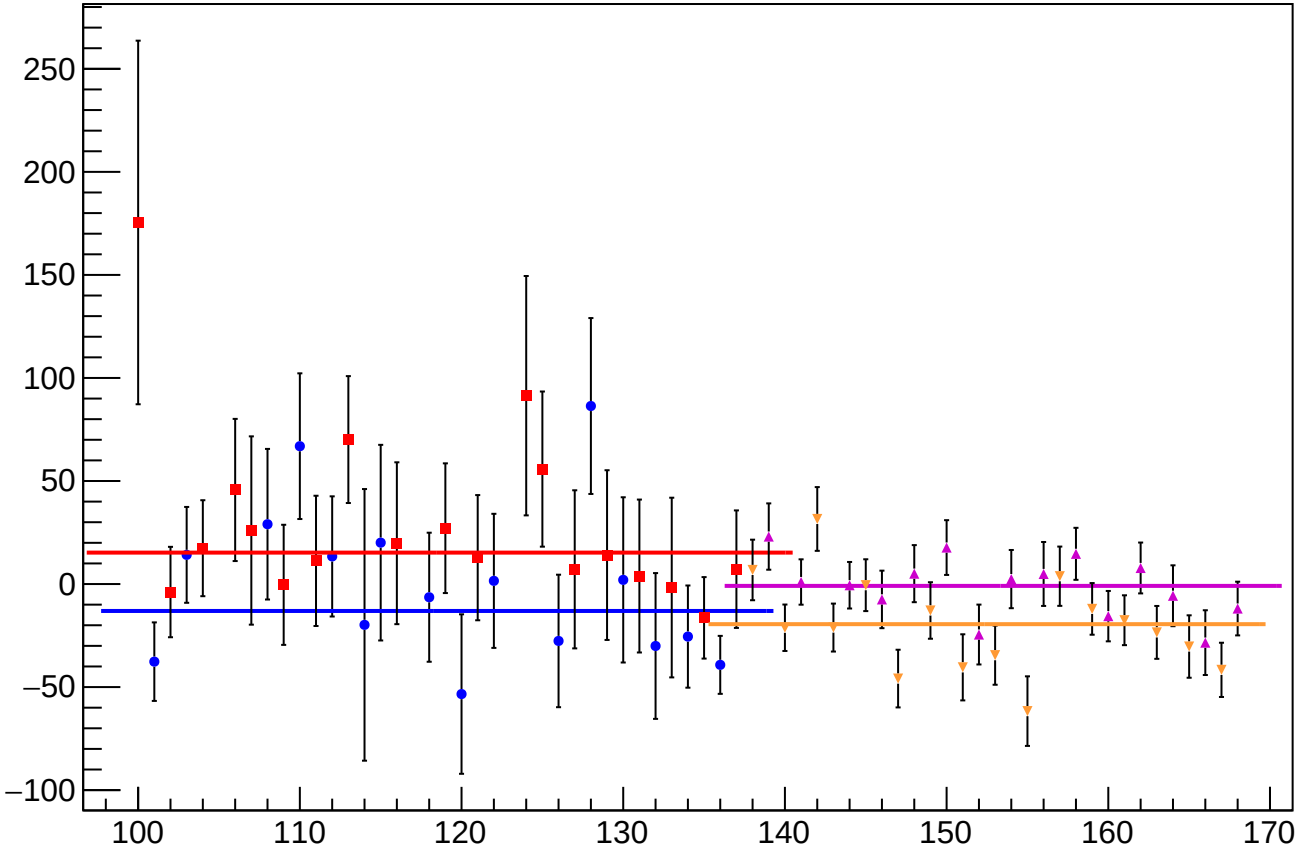
In: -1.231+/-0.476 χ^2/NDF:28.6/30

Out: 0.262+/-0.457 χ^2/NDF:35.3/34

All: -0.454+/-0.330 χ^2/NDF: 69.0/65


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2017.294+/-0.410 χ²/NDF:773654.0/15
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2083.411+/-0.426 χ²/NDF:726859.3/14
Left: 2049.087+/-0.295 χ²/NDF: 1513018.7/30
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2052.531+/-0.337 χ²/NDF:1930666.7/30
Out: 1984.502+/-0.323 χ²/NDF:2194151.2/34
All: 2017.138+/-0.233 χ²/NDF: 4146036.6/65

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -19.469+/-3.384 χ^2/NDF:35.7/15

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -0.895+/-3.451 χ^2/NDF:14.8/14

Left: -10.366+/-2.416 χ^2/NDF: 65.3/30

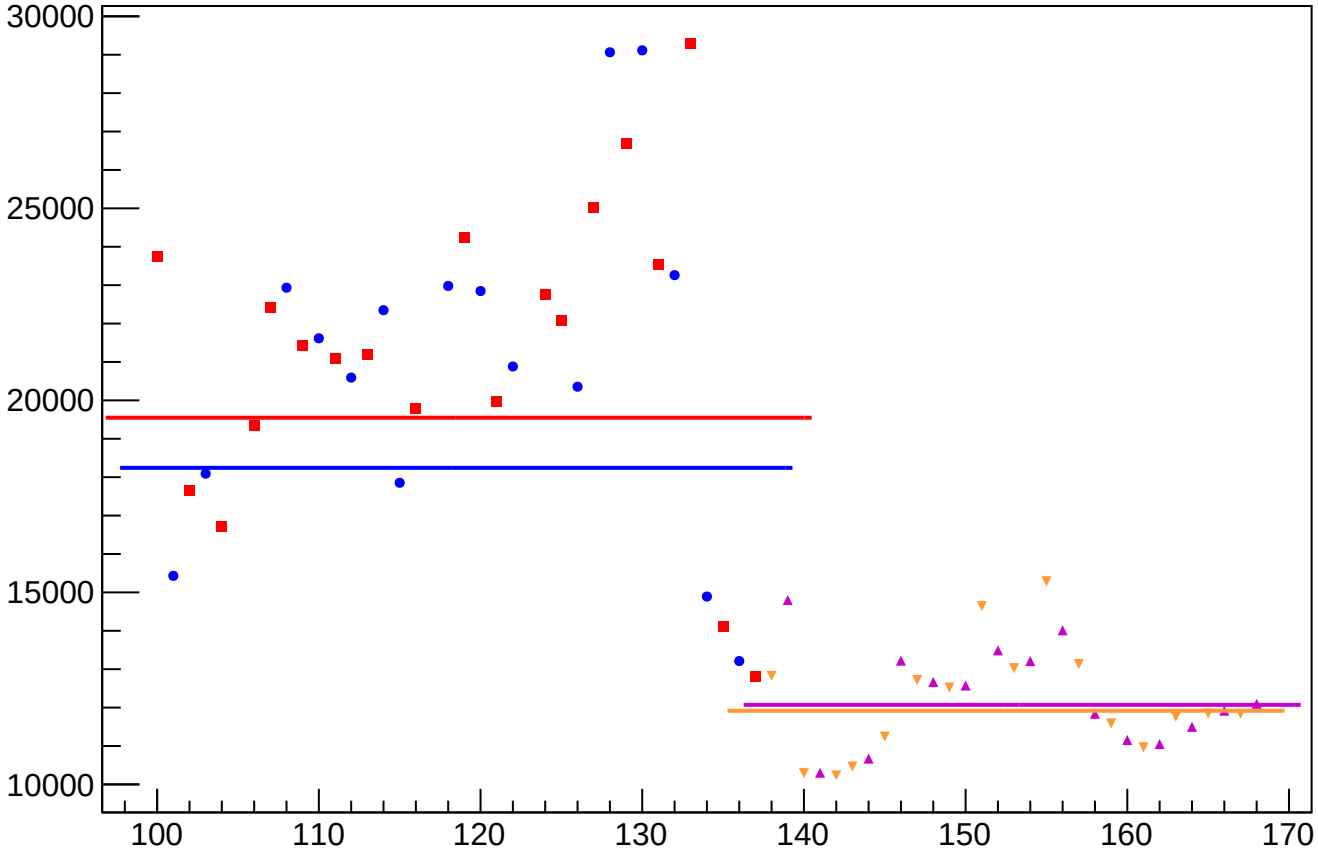
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -3.261+/-3.098 χ^2/NDF:39.1/30

Out: -13.356+/-3.072 χ^2/NDF:68.6/34

All: -8.352+/-2.181 χ^2/NDF: 113.0/65

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11918.040+/-2.393 χ^2/NDF:298003.5/15

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12072.118+/-2.441 χ^2/NDF:252116.6/14

Left: 11993.558+/-1.709 χ^2/NDF: 552152.3/30

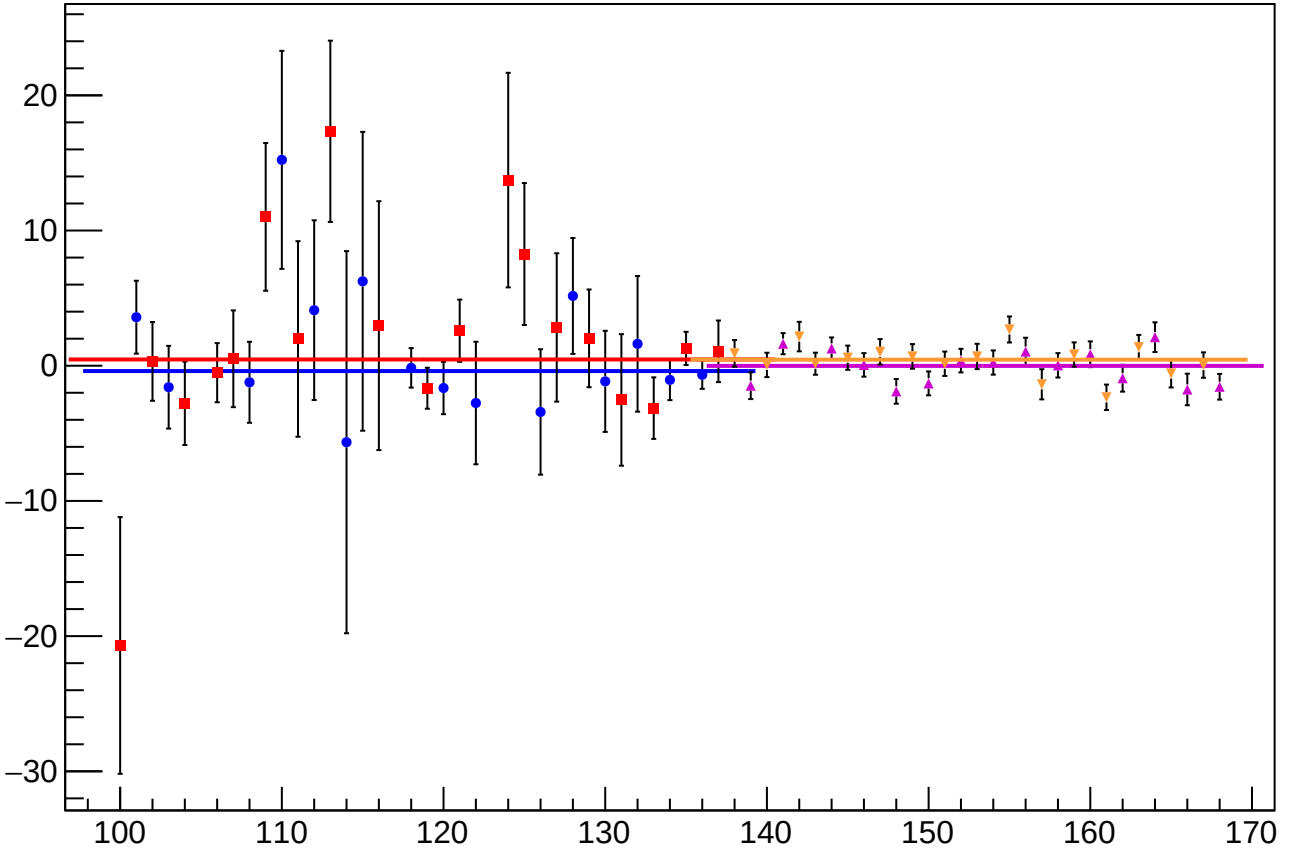
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13271.704+/-2.191 χ^2/NDF:2314847.8/30

Out: 13261.380+/-2.172 χ^2/NDF:2709998.6/34

All: 13266.498+/-1.542 χ^2/NDF: 5024857.6/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.449+/-0.235 χ^2/NDF:22.8/15

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.011+/-0.239 χ^2/NDF:27.2/14

Left: 0.223+/-0.168 χ^2/NDF: 51.9/30

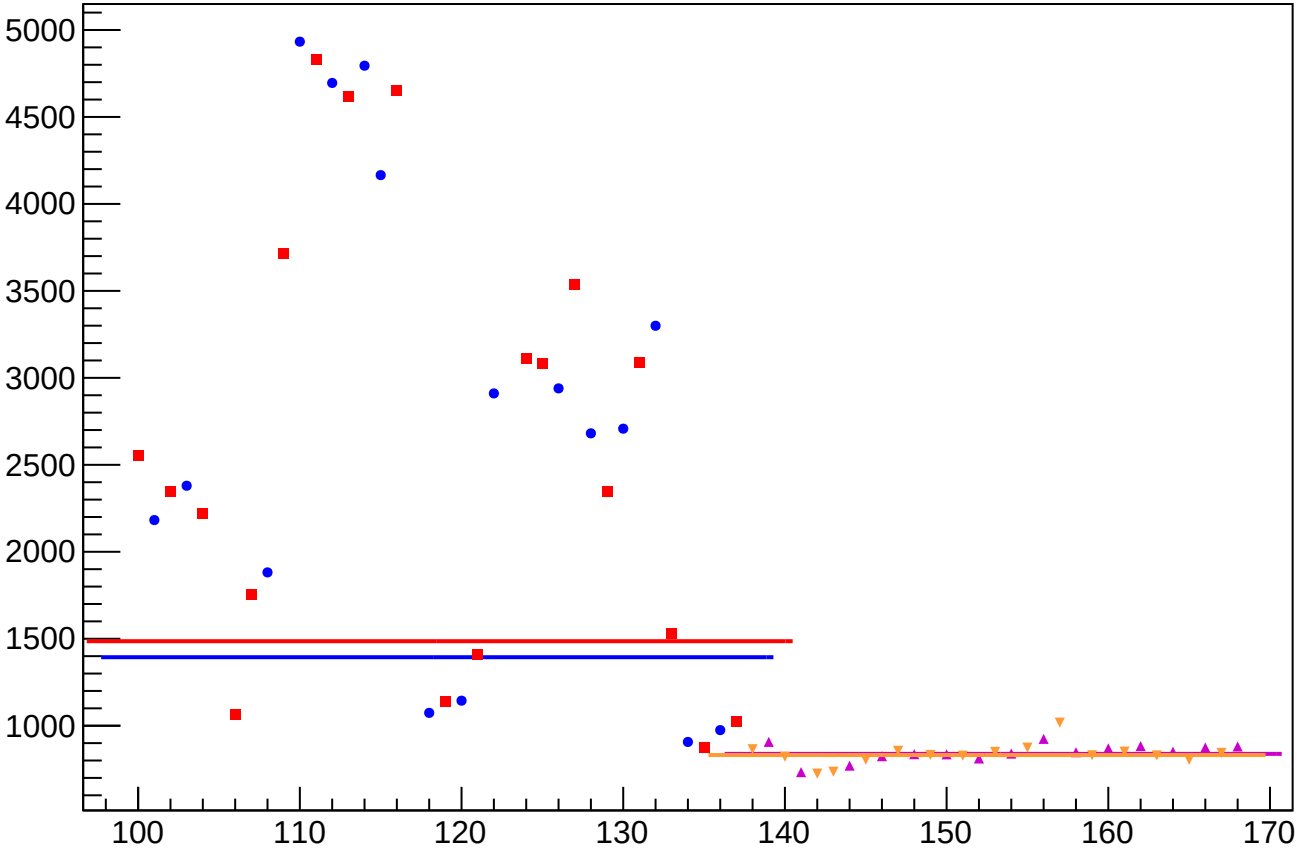
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.064+/-0.222 χ^2/NDF:37.9/30

Out: 0.451+/-0.220 χ^2/NDF:50.9/34

All: 0.195+/-0.156 χ^2/NDF: 91.5/65

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 831.485+/-0.166 χ^2/NDF:115635.0/15

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 838.231+/-0.169 χ^2/NDF:89025.1/14

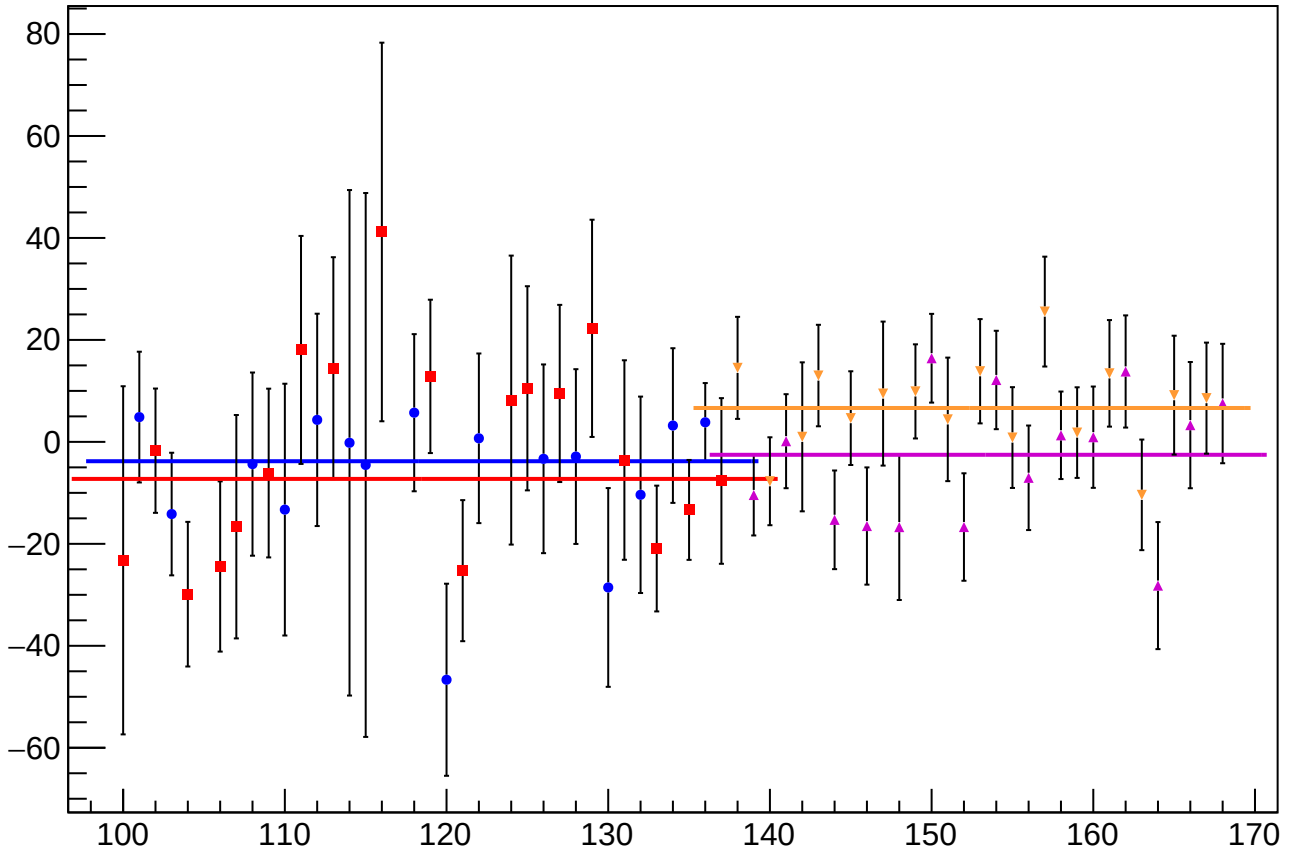
Left: 834.803+/-0.118 χ^2/NDF: 205470.2/30

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 914.265+/-0.157 χ^2/NDF:4950102.4/30

Out: 910.603+/-0.156 χ^2/NDF:5388879.0/34

All: 912.421+/-0.111 χ^2/NDF: 10339255.6/65



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.647+/-2.599 χ^2/NDF:11.4/15

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -2.534+/-2.622 χ^2/NDF:22.0/14

Left: 2.098+/-1.846 χ^2/NDF: 39.6/30

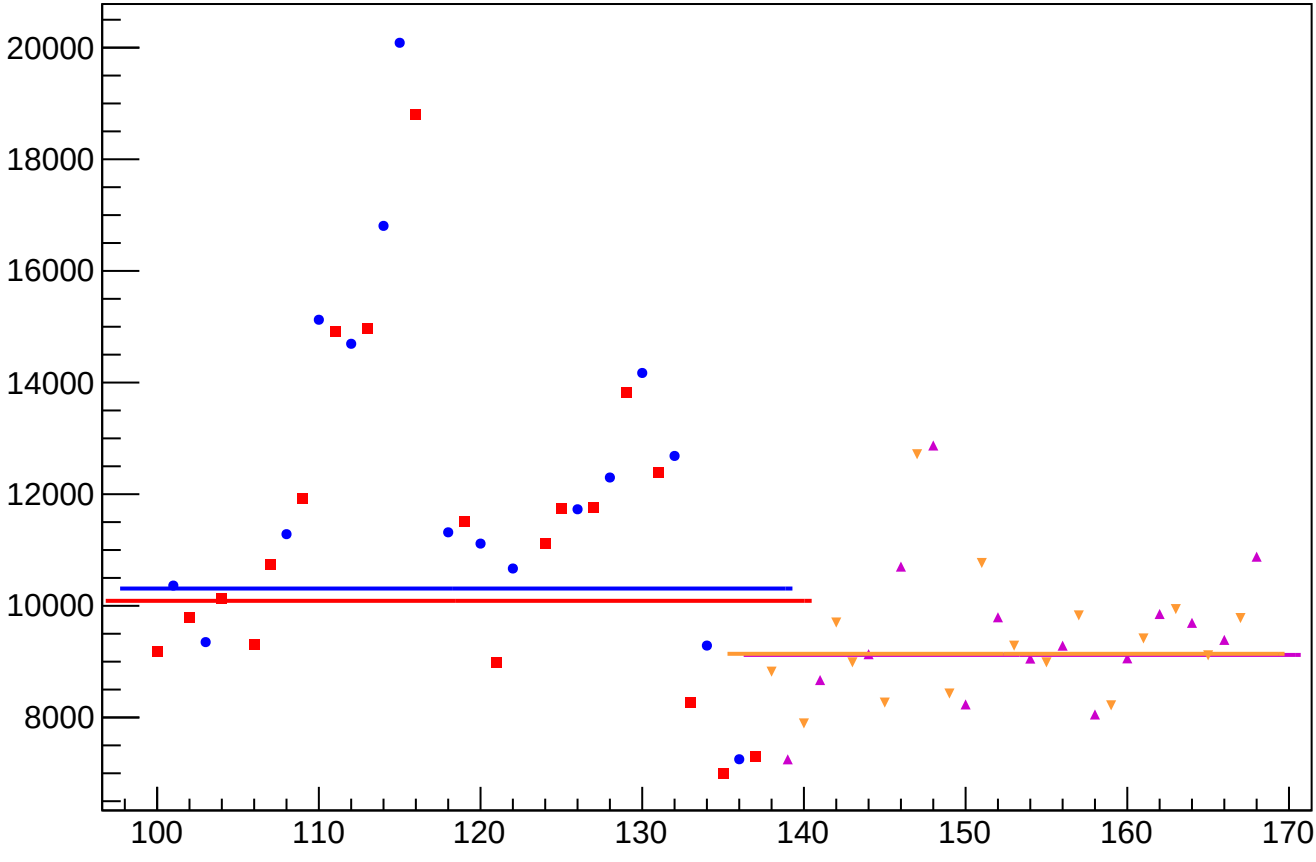
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -2.920+/-2.183 χ^2/NDF:32.2/30

Out: 2.226+/-2.146 χ^2/NDF:37.7/34

All: -0.303+/-1.531 χ^2/NDF: 72.7/65

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9140.607+/-1.837 χ^2/NDF:291301.2/15

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9120.643+/-1.854 χ^2/NDF:411088.6/14

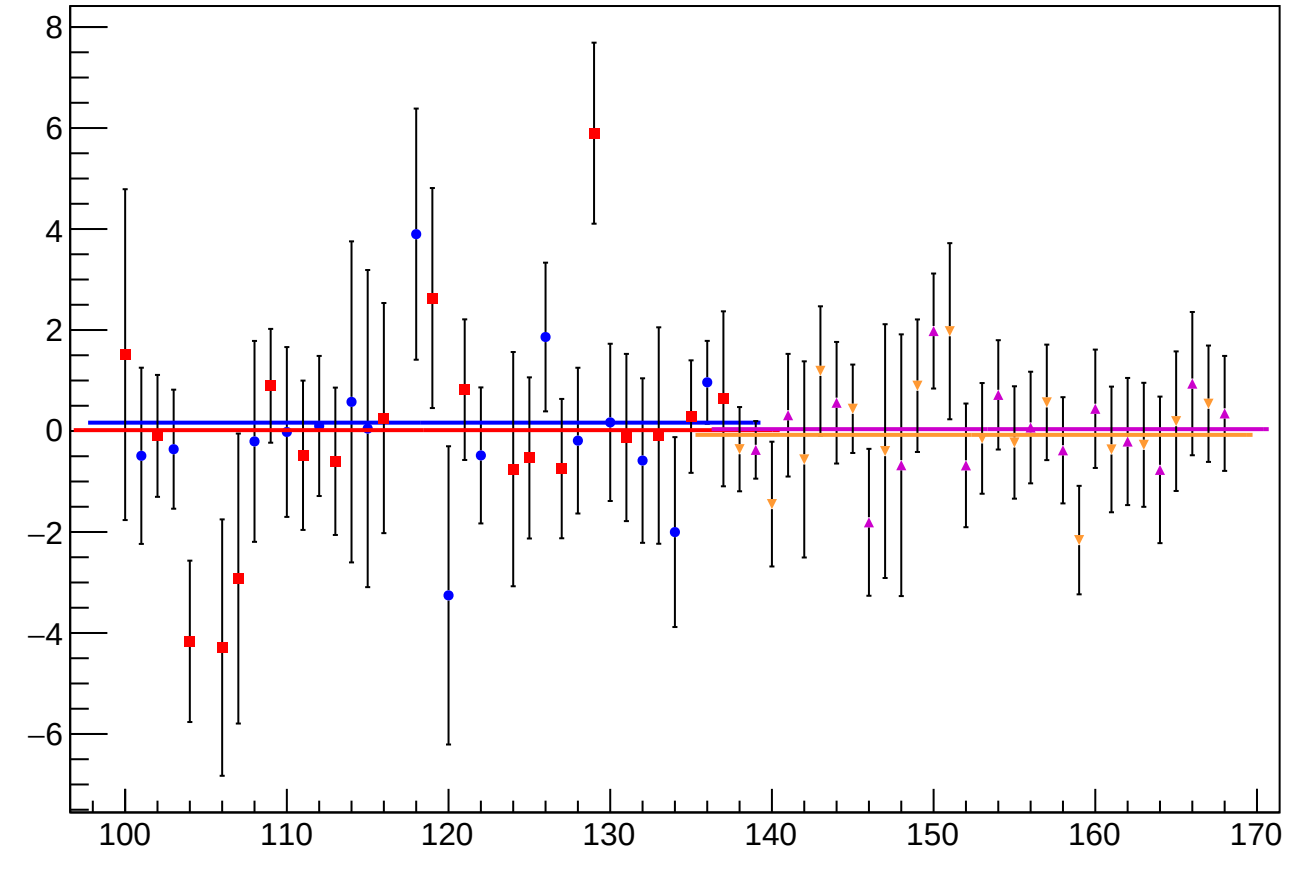
Left: 9130.715+/-1.305 χ^2/NDF: 702448.3/30

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9485.332+/-1.544 χ^2/NDF:1307766.1/30

Out: 9442.218+/-1.518 χ^2/NDF:1168866.9/34

All: 9463.404+/-1.082 χ^2/NDF: 2477029.7/65



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.076+/-0.299 χ^2/NDF:9.2/15

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.037+/-0.287 χ^2/NDF:7.2/14

Left: -0.017+/-0.207 χ^2/NDF: 16.5/30

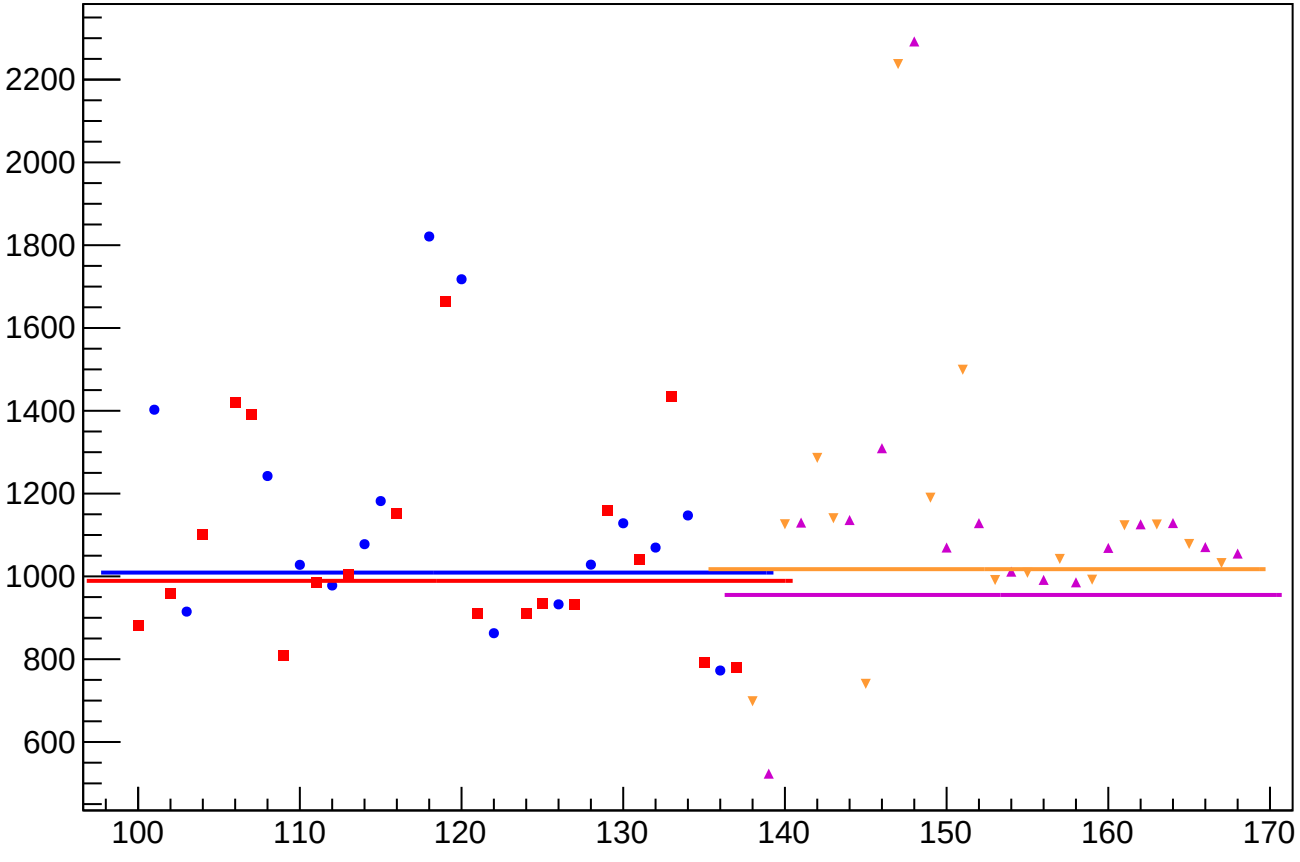
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.082+/-0.230 χ^2/NDF:15.4/30

Out: -0.040+/-0.233 χ^2/NDF:34.4/34

All: 0.022+/-0.164 χ^2/NDF: 49.9/65

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1017.457+/-0.211 χ^2/NDF:1261023.5/15

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 955.182+/-0.203 χ^2/NDF:2065785.3/14

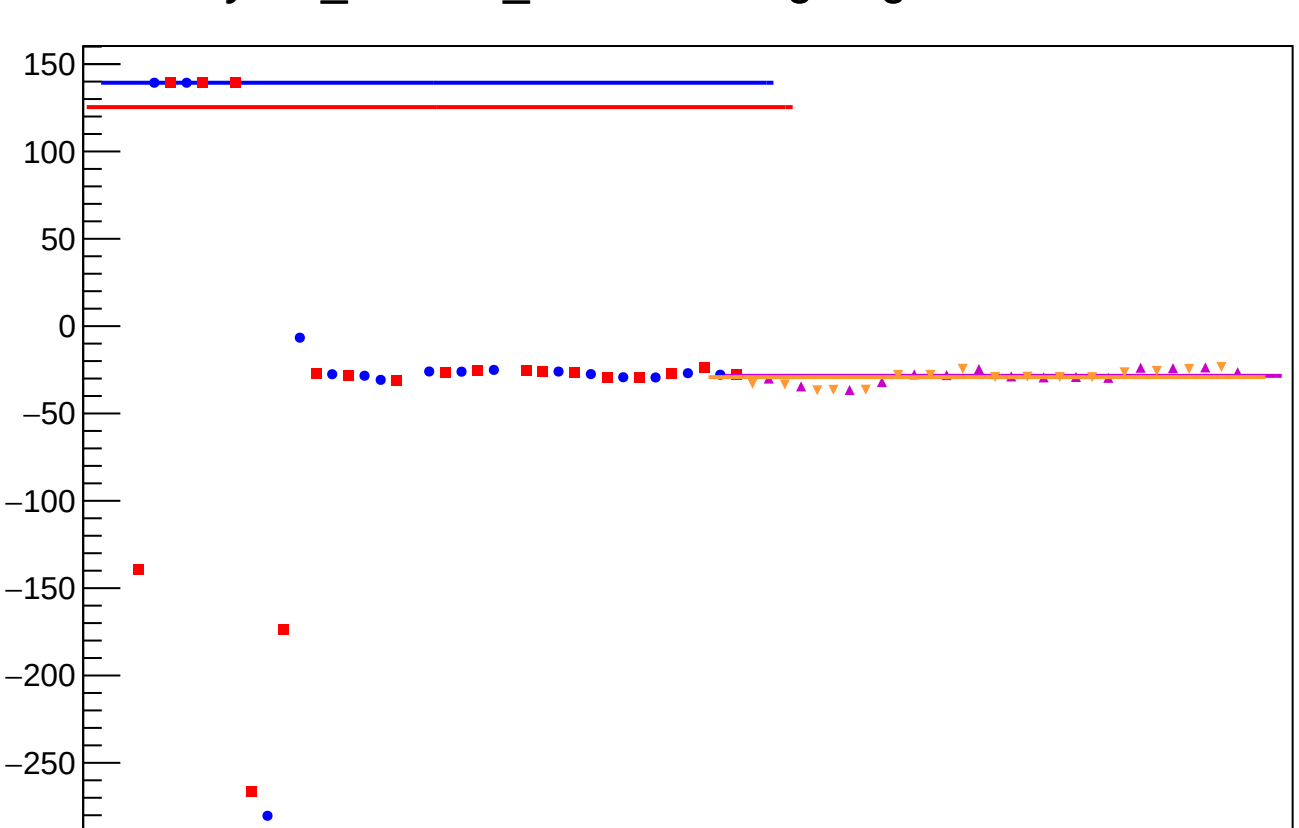
Left: 985.012+/-0.146 χ^2/NDF: 3372058.5/30

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

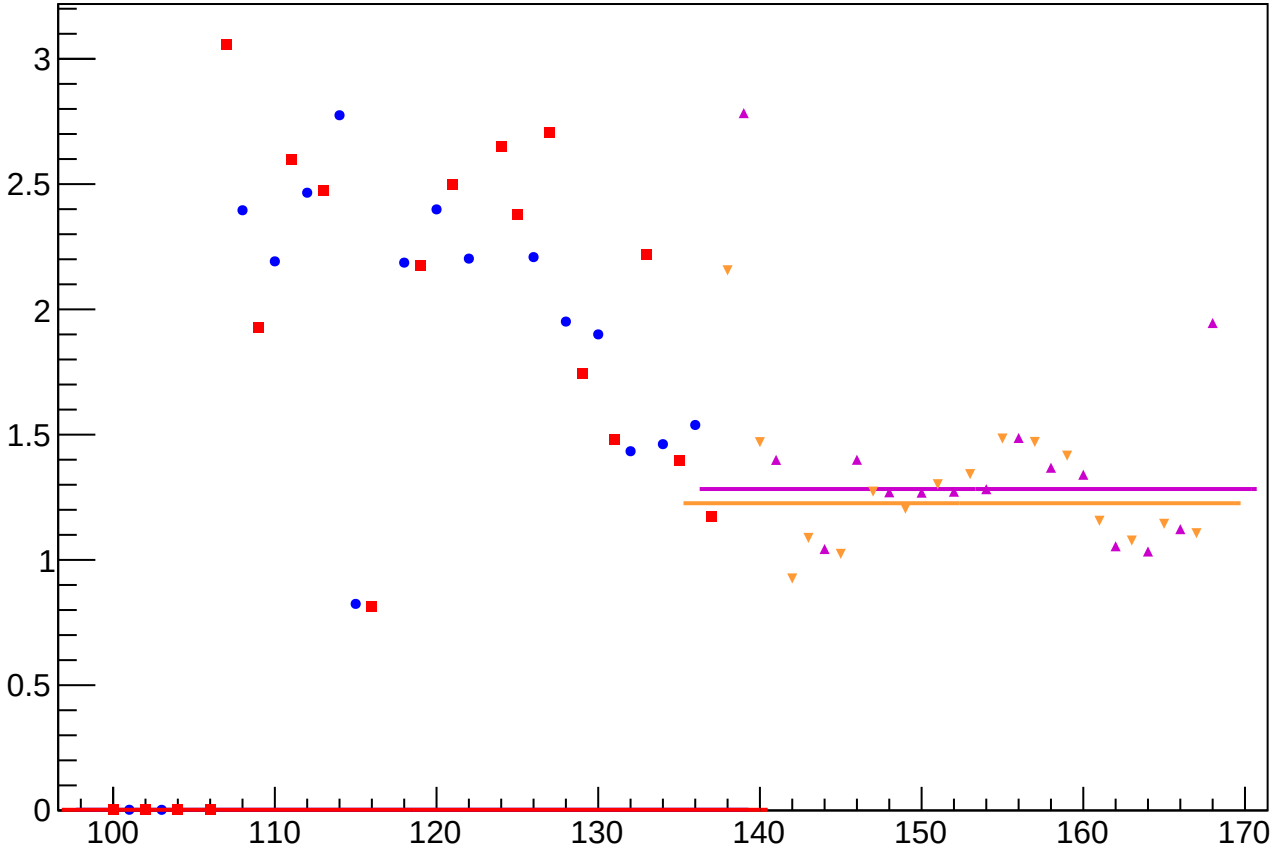
In: 974.362+/-0.163 χ^2/NDF:2790335.3/30

Out: 1006.400+/-0.165 χ^2/NDF:1843769.1/34

All: 990.181+/-0.116 χ^2/NDF: 4653242.6/65


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -29.203+/-0.000 χ²/NDF:132005012.4/15
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -28.460+/-0.000 χ²/NDF:96384173.8/14
Left: -28.852+/-0.000 χ²/NDF: 230117686.8/30
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.331+/-0.000 χ²/NDF:214542790671.6/30
Out: 125.387+/-0.000 χ²/NDF:774331522612853.
All: 131.813+/-0.000 χ²/NDF: 793329627171

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.226+/-0.000 χ^2/NDF:580704.3/15

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.283+/-0.000 χ^2/NDF:907407.3/14

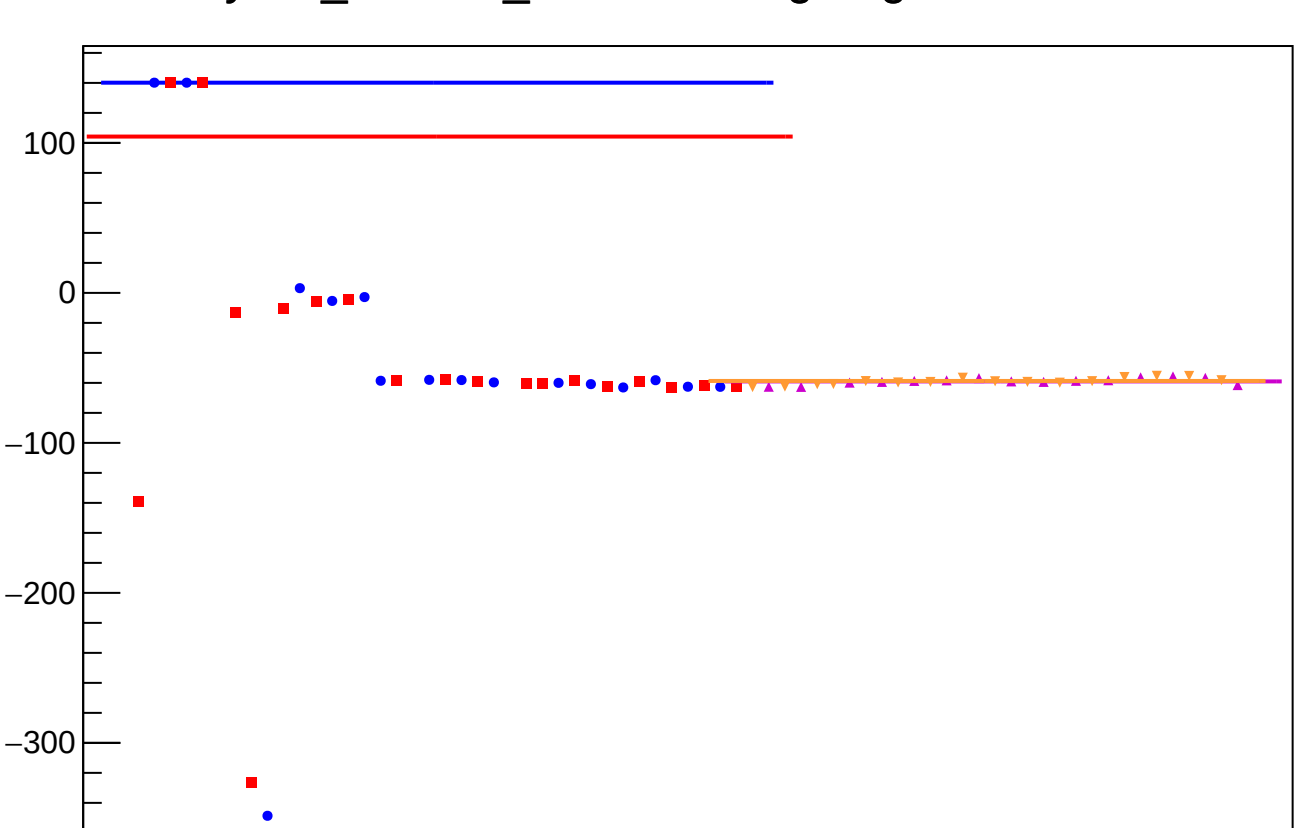
Left: 1.253+/-0.000 χ^2/NDF: 1508220.8/30

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:29959538.6/30

Out: 0.003+/-0.000 χ^2/NDF:30146865.6/34

All: 0.003+/-0.000 χ^2/NDF: 60106635.9/65



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.713+/-0.000 χ^2/NDF:122643206.1/15

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.018+/-0.000 χ^2/NDF:108197256.0/14

Left: -58.865+/-0.000 χ^2/NDF: 231693756.7/30

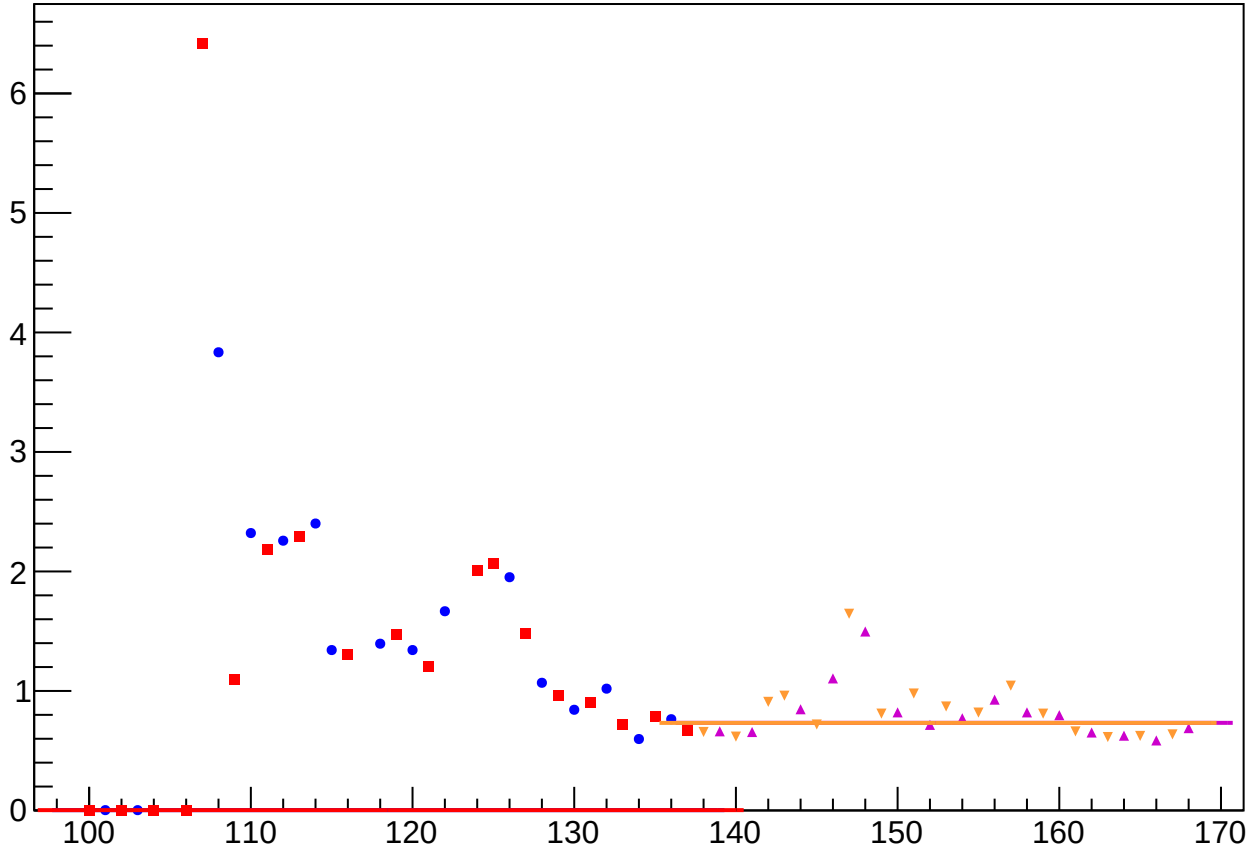
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.123+/-0.000 χ^2/NDF:911035316842.5/30

Out: 104.210+/-0.000 χ^2/NDF:125788810135653

All: 120.814+/-0.000 χ^2/NDF: 13820761380

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.733+/-0.000 χ^2/NDF:1010801.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.733+/-0.000 χ^2/NDF:803850.2/14

Left: 0.733+/-0.000 χ^2/NDF: 1814655.4/30

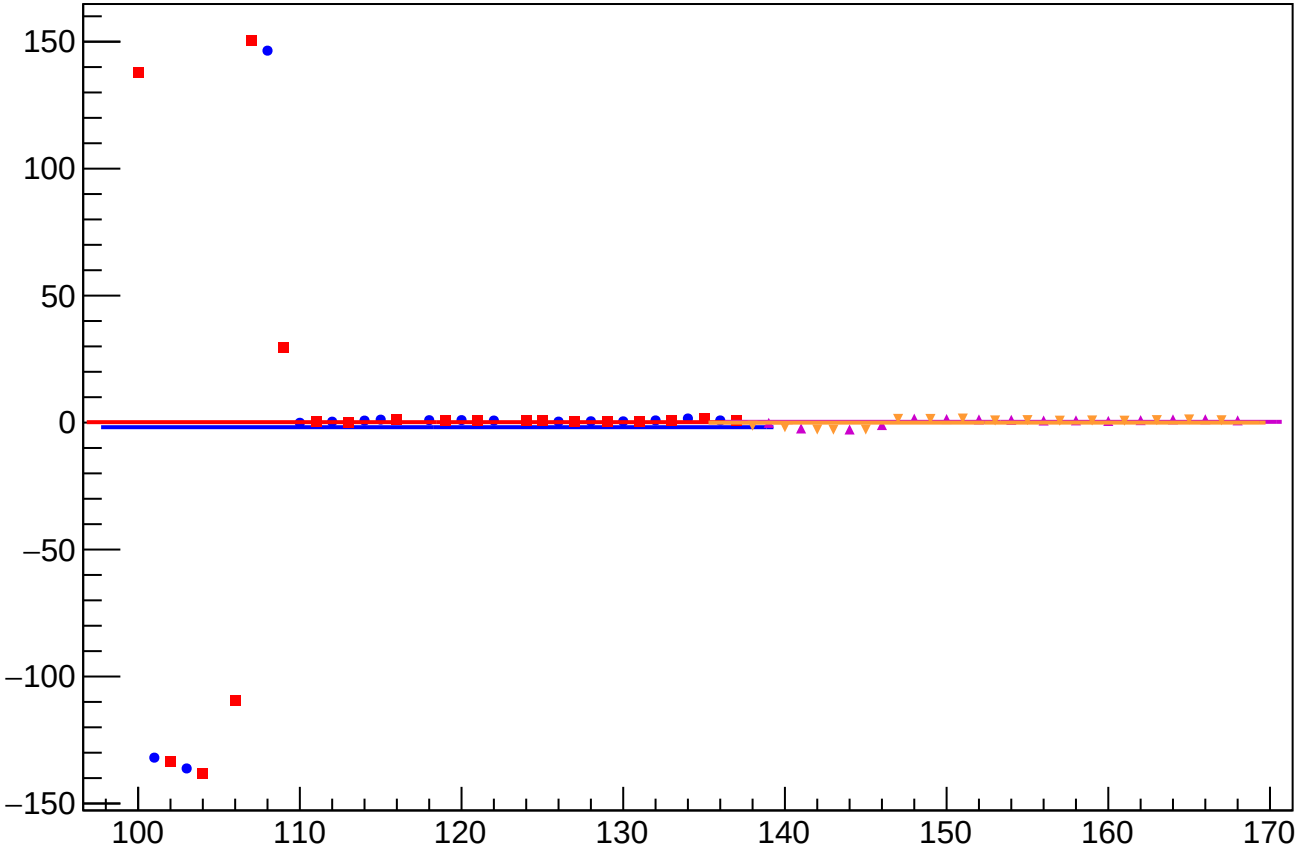
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:30846315.9/30

Out: 0.003+/-0.000 χ^2/NDF:30795287.0/34

All: 0.003+/-0.000 χ^2/NDF: 61641959.2/65

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.015+/-0.000 χ^2/NDF:97222929.7/15

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.296+/-0.000 χ^2/NDF:69287695.6/14

Left: 0.135+/-0.000 χ^2/NDF: 168215044.0/30

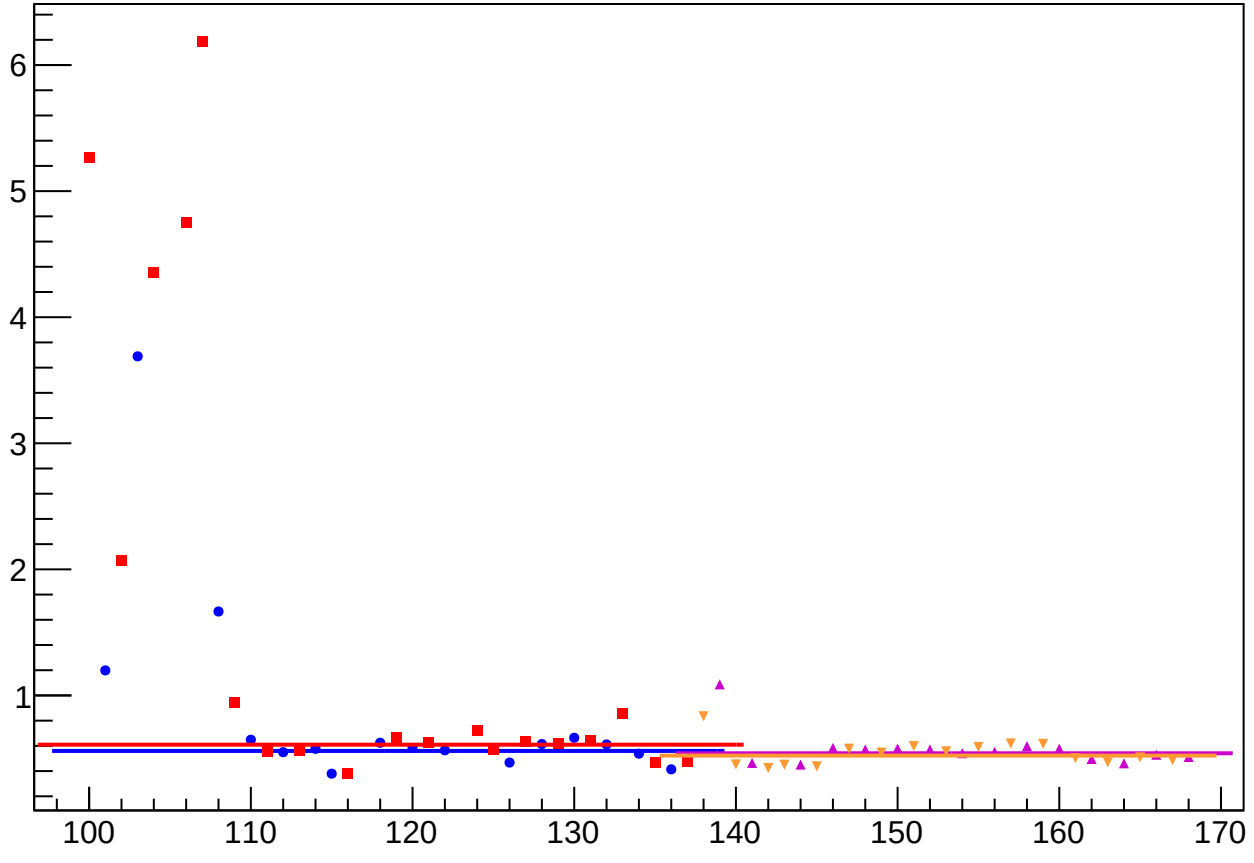
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.386+/-0.000 χ^2/NDF:10005297105.5/30

Out: 0.033+/-0.000 χ^2/NDF:3708785528.8/34

All: -0.177+/-0.000 χ^2/NDF: 13718460019.8/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.523+/-0.000 χ^2/NDF:474185.2/15

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.541+/-0.000 χ^2/NDF:596288.8/14

Left: 0.532+/-0.000 χ^2/NDF: 1082321.8/30

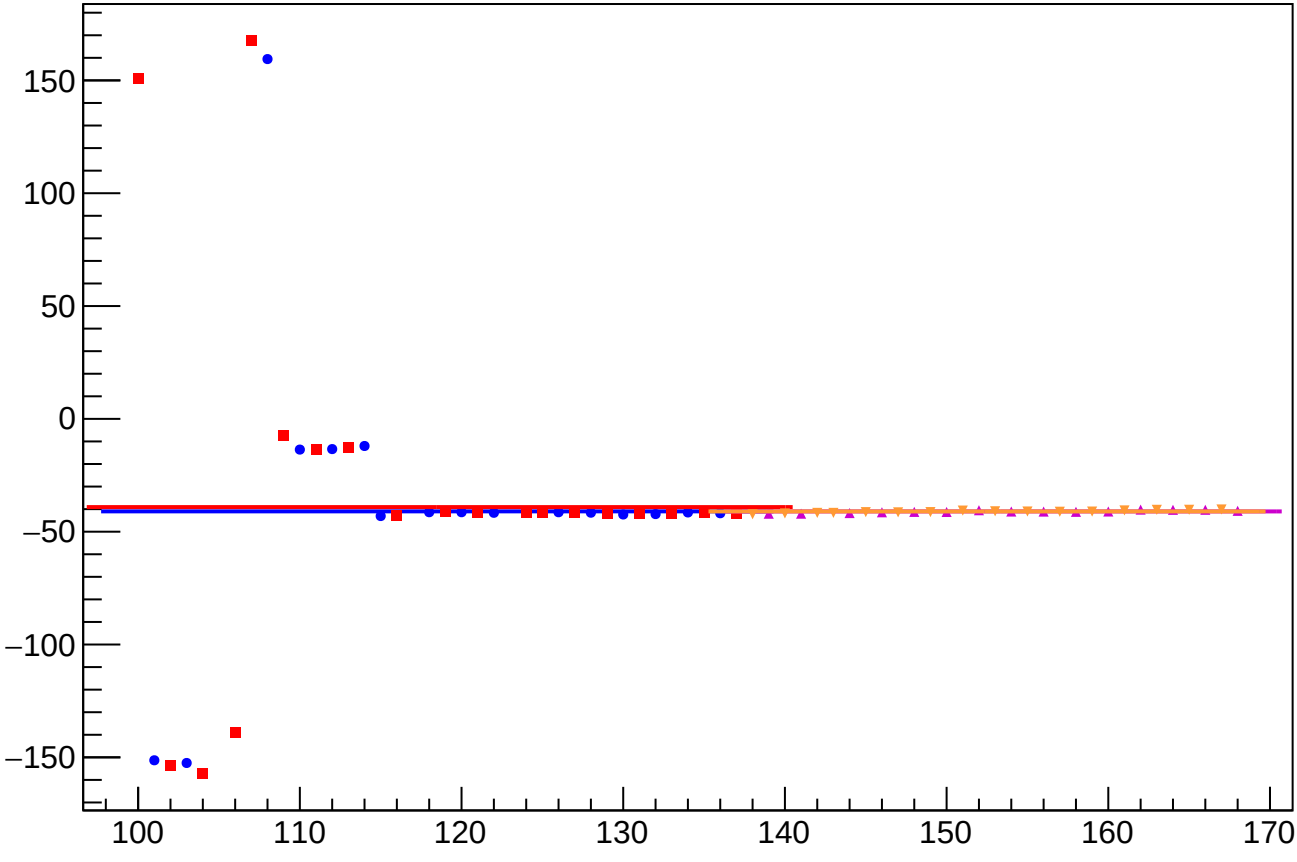
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.547+/-0.000 χ^2/NDF:2202297.2/30

Out: 0.546+/-0.000 χ^2/NDF:3096656.6/34

All: 0.547+/-0.000 χ^2/NDF: 5299016.5/65

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.013+/-0.000 χ^2/NDF:30326644.6/15

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.016+/-0.000 χ^2/NDF:27407096.8/14

Left: -41.014+/-0.000 χ^2/NDF: 57734273.6/30

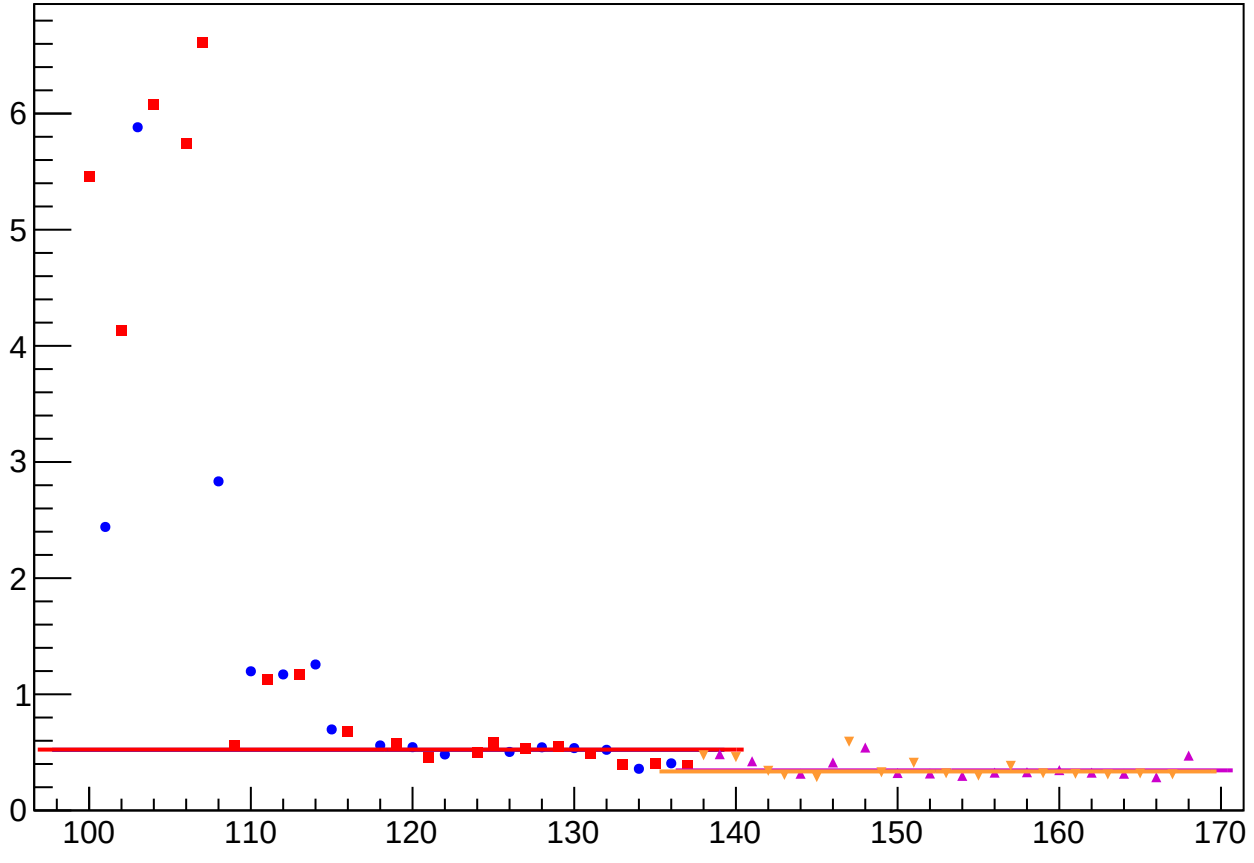
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.011+/-0.000 χ^2/NDF:3477042064.9/30

Out: -40.730+/-0.000 χ^2/NDF:2566229627.1/34

All: -40.866+/-0.000 χ^2/NDF: 6047909678.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.336+/-0.000 χ^2/NDF:720618.1/15

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.345+/-0.000 χ^2/NDF:693206.3/14

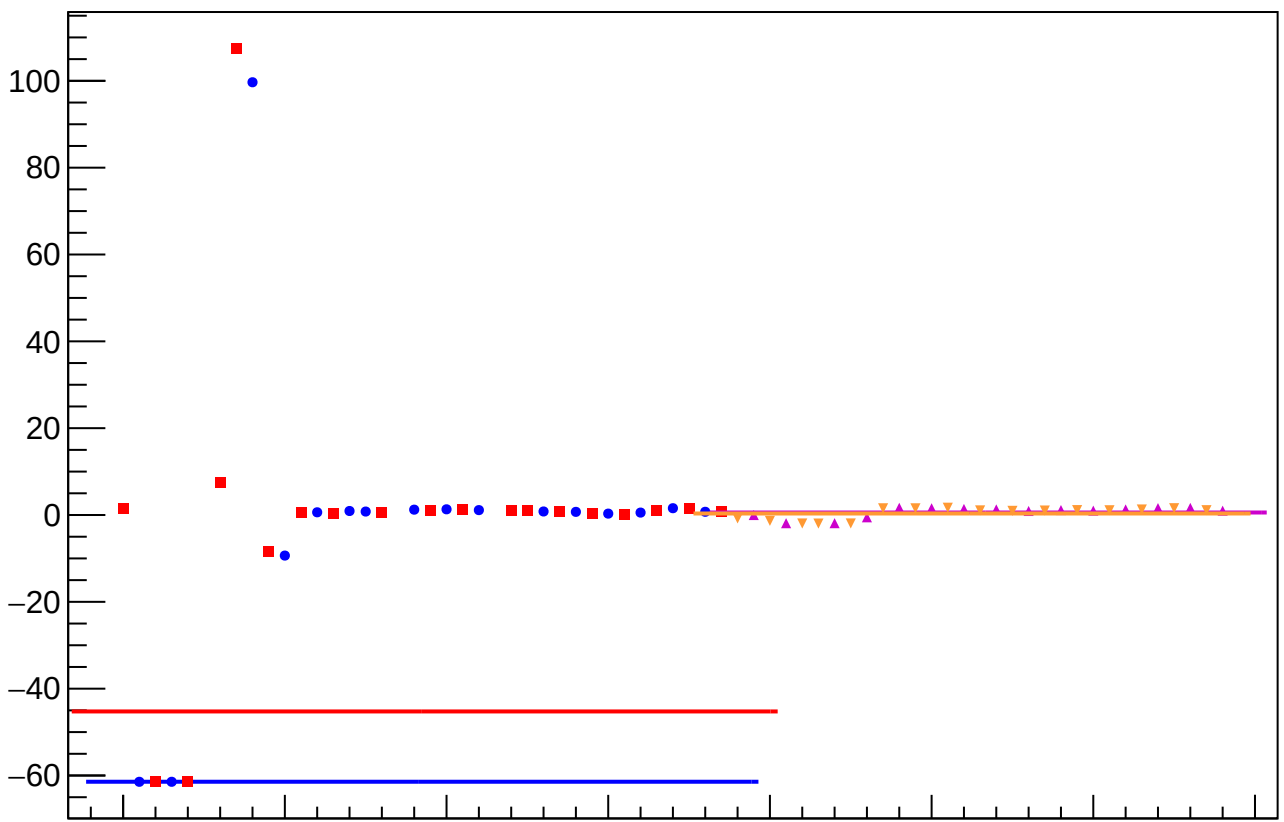
Left: 0.340+/-0.000 χ^2/NDF: 1422400.3/30

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.374+/-0.000 χ^2/NDF:4609529.7/30

Out: 0.364+/-0.000 χ^2/NDF:5064448.6/34

All: 0.369+/-0.000 χ^2/NDF: 9686019.2/65



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.348+/-0.000 χ^2/NDF:100142067.0/15

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.577+/-0.000 χ^2/NDF:76602568.5/14

Left: 0.458+/-0.000 χ^2/NDF: 178027638.4/30

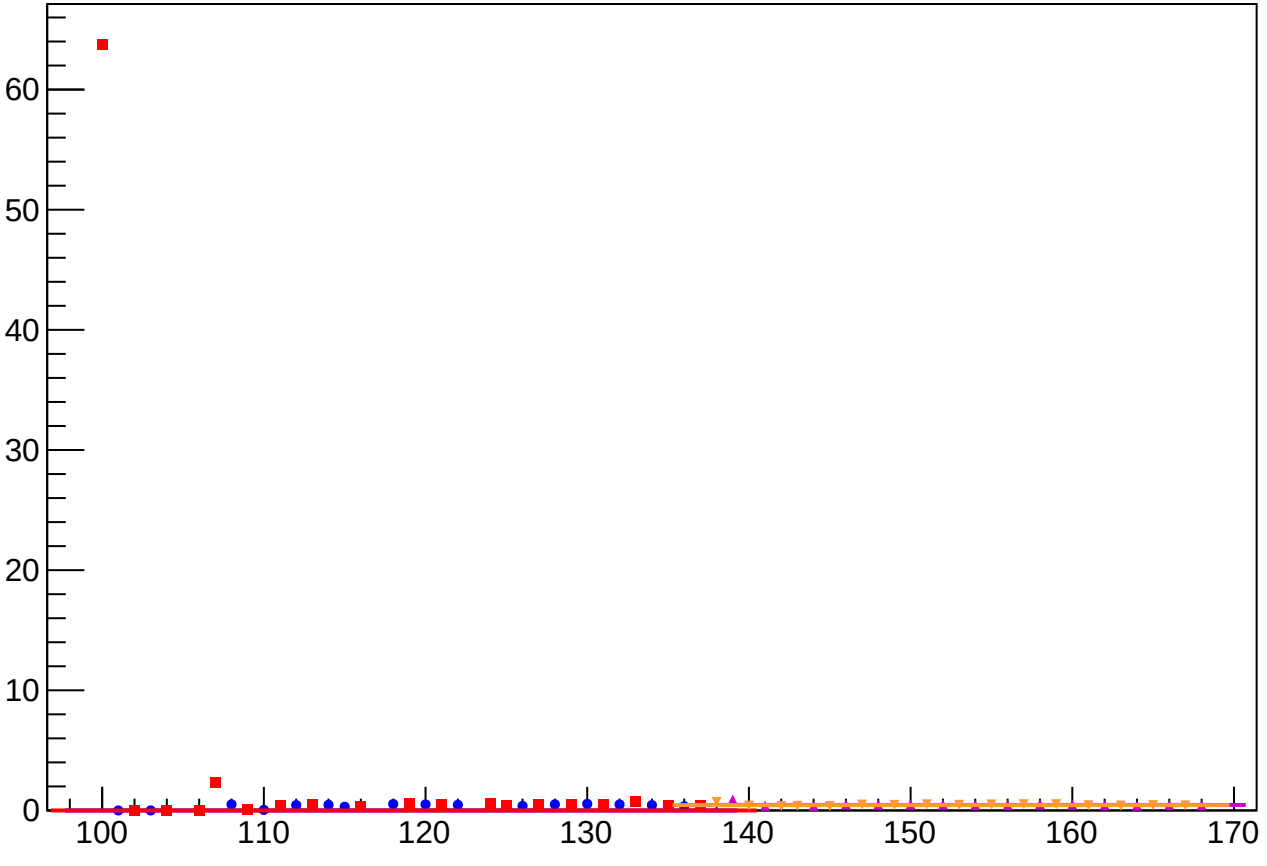
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.428+/-0.000 χ^2/NDF:455265458451.2/30

Out: -45.240+/-0.000 χ^2/NDF:357976253387177.2

All: -52.742+/-0.000 χ^2/NDF: 409399975590

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.443+/-0.000 χ^2/NDF:460891.9/15

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.459+/-0.000 χ^2/NDF:569361.2/14

Left: 0.451+/-0.000 χ^2/NDF: 1042779.0/30

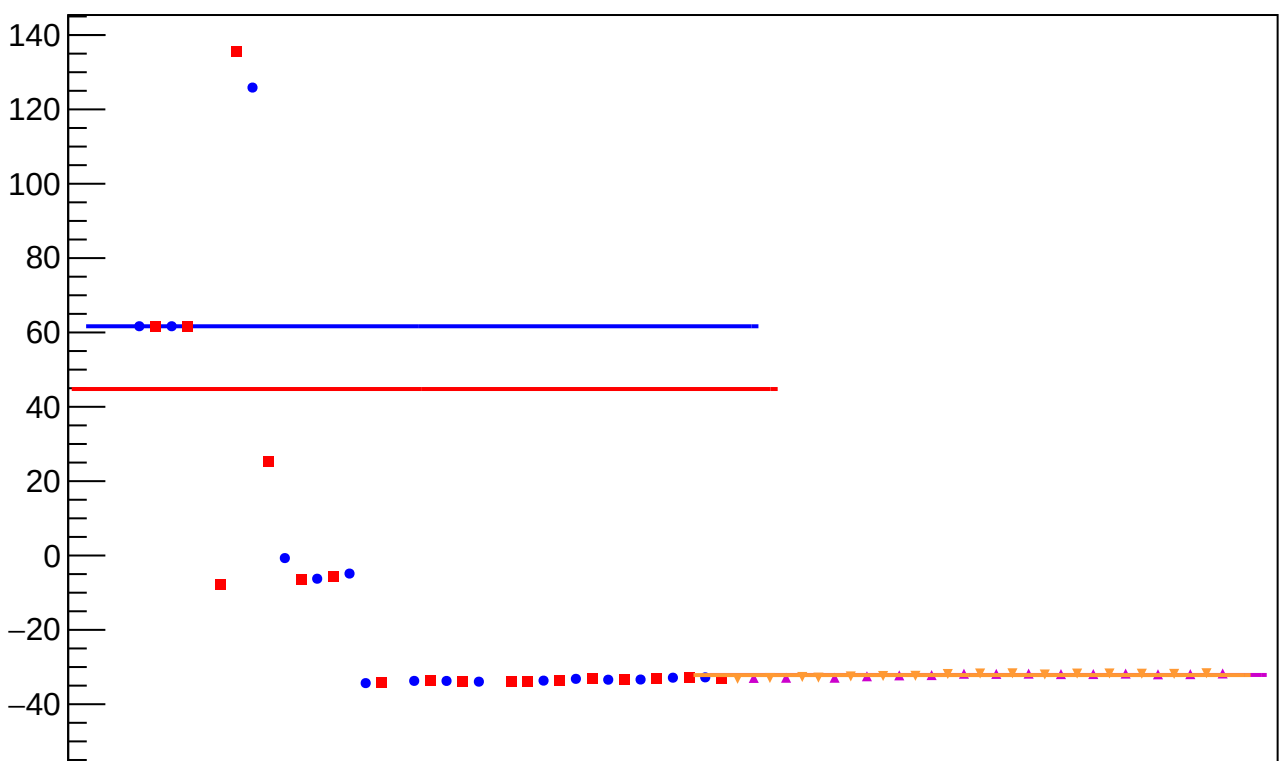
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:29489618.8/30

Out: 0.002+/-0.000 χ^2/NDF:29639204.5/34

All: 0.002+/-0.000 χ^2/NDF: 59128851.1/65

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.163+/-0.000 χ^2/NDF:32978783.0/15

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.131+/-0.000 χ^2/NDF:25250877.8/14

Left: -32.147+/-0.000 χ^2/NDF: 58301445.1/30

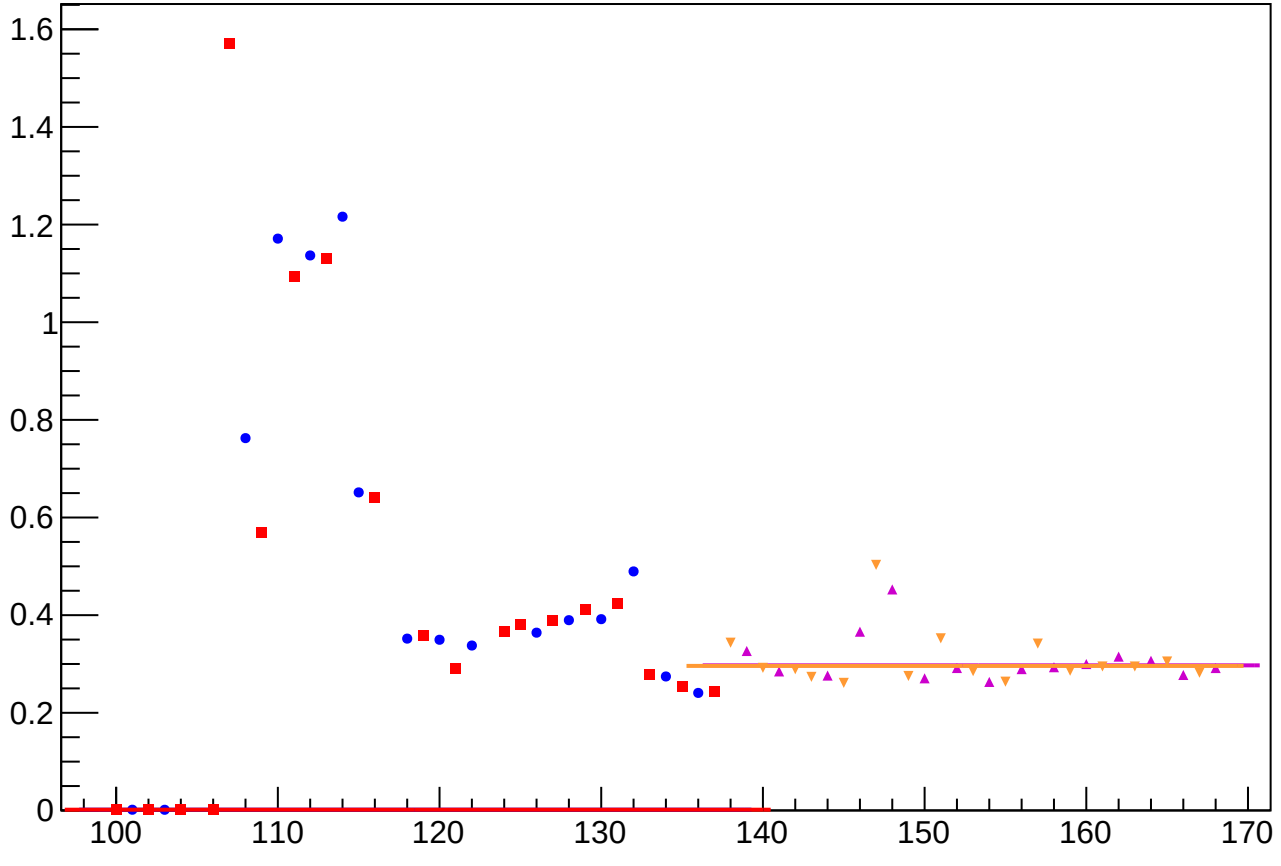
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.625+/-0.000 χ^2/NDF:1538100964498.6/30

Out: 44.758+/-0.000 χ^2/NDF:366898925746279.4

All: 52.657+/-0.000 χ^2/NDF: 4195016113486

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:448400.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.297+/-0.000 χ^2/NDF:331041.6/14

Left: 0.297+/-0.000 χ^2/NDF: 779610.2/30

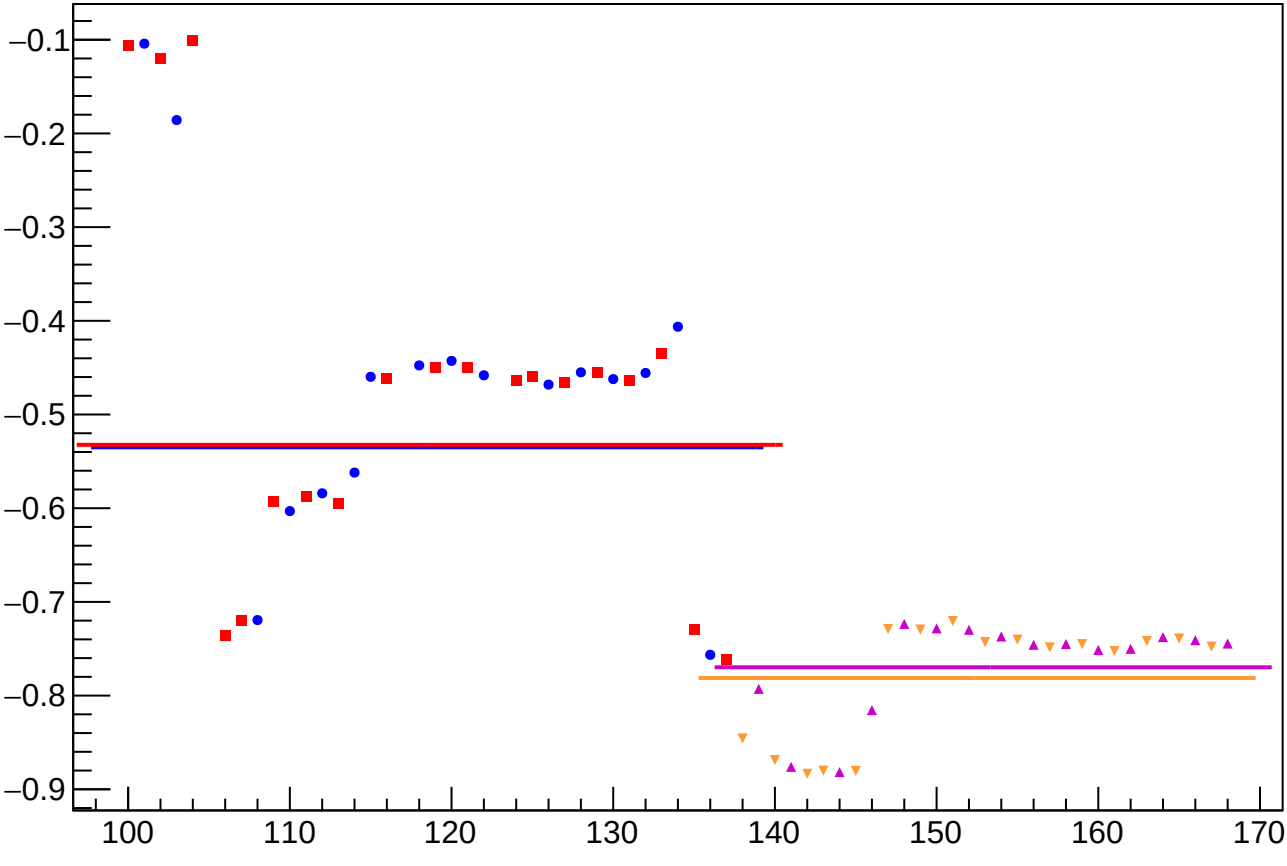
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:34582741.8/30

Out: 0.002+/-0.000 χ^2/NDF:34570385.9/34

All: 0.002+/-0.000 χ^2/NDF: 69153144.8/65

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.781+/-0.000 χ^2/NDF:107351376.0/15

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.770+/-0.000 χ^2/NDF:76162654.5/14

Left: -0.776+/-0.000 χ^2/NDF: 185258383.7/30

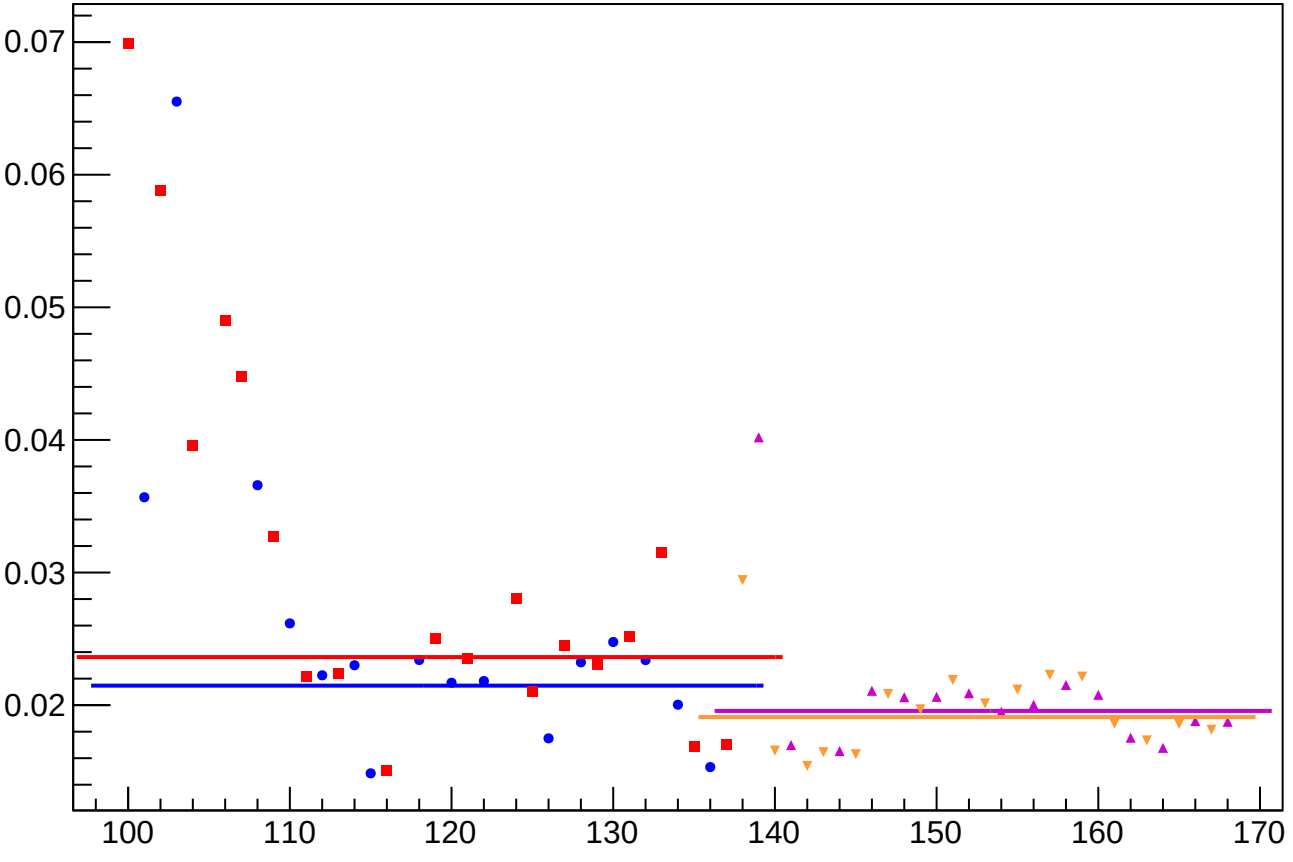
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.697+/-0.000 χ^2/NDF:818997858.8/30

Out: -0.715+/-0.000 χ^2/NDF:774645277.8/34

All: -0.706+/-0.000 χ^2/NDF: 1599433670.4/6

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:409561.1/15

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:602947.6/14

Left: 0.019+/-0.000 χ^2/NDF: 1018153.0/30

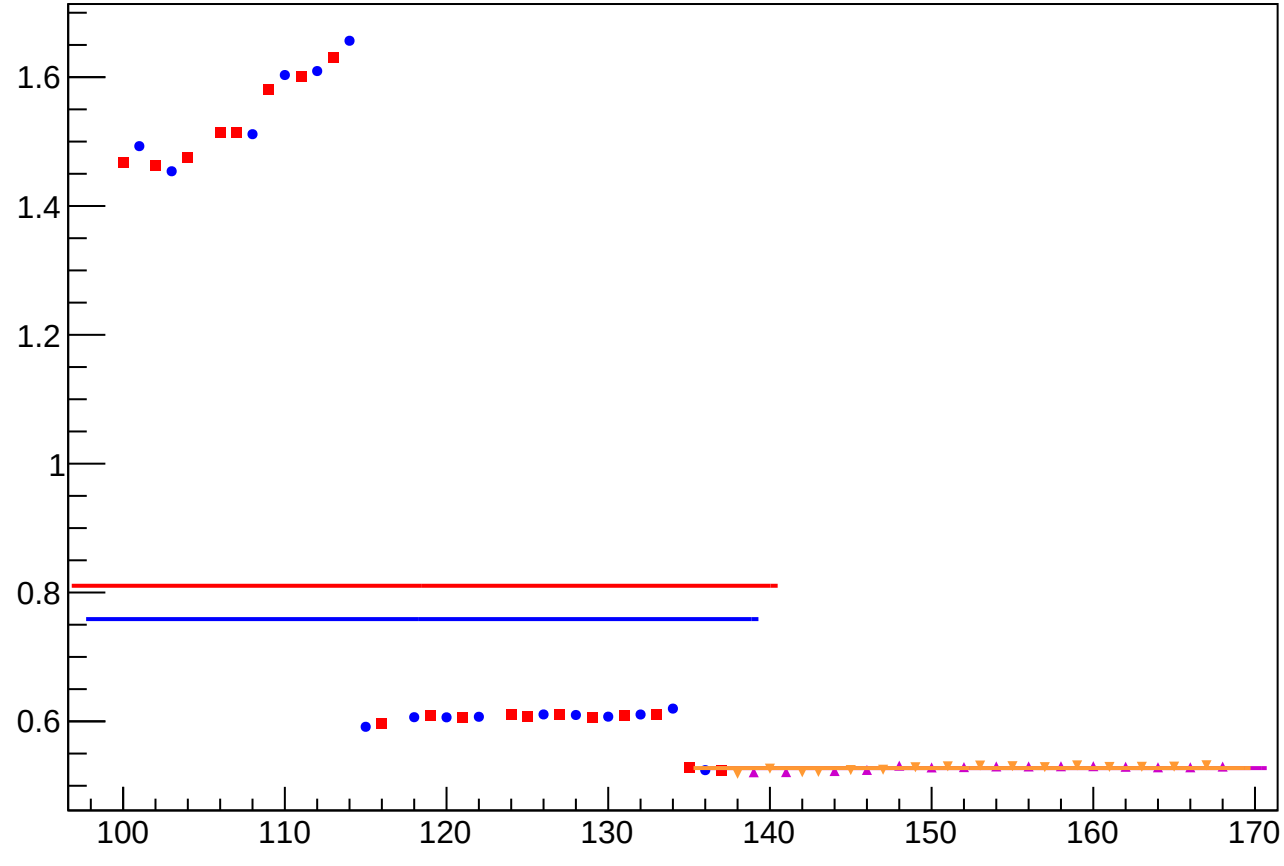
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1815320.6/30

Out: 0.020+/-0.000 χ^2/NDF:1986108.0/34

All: 0.020+/-0.000 χ^2/NDF: 3802376.1/65

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:1290560.5/15

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:965693.5/14

Left: 0.527+/-0.000 χ^2/NDF: 2256420.7/30

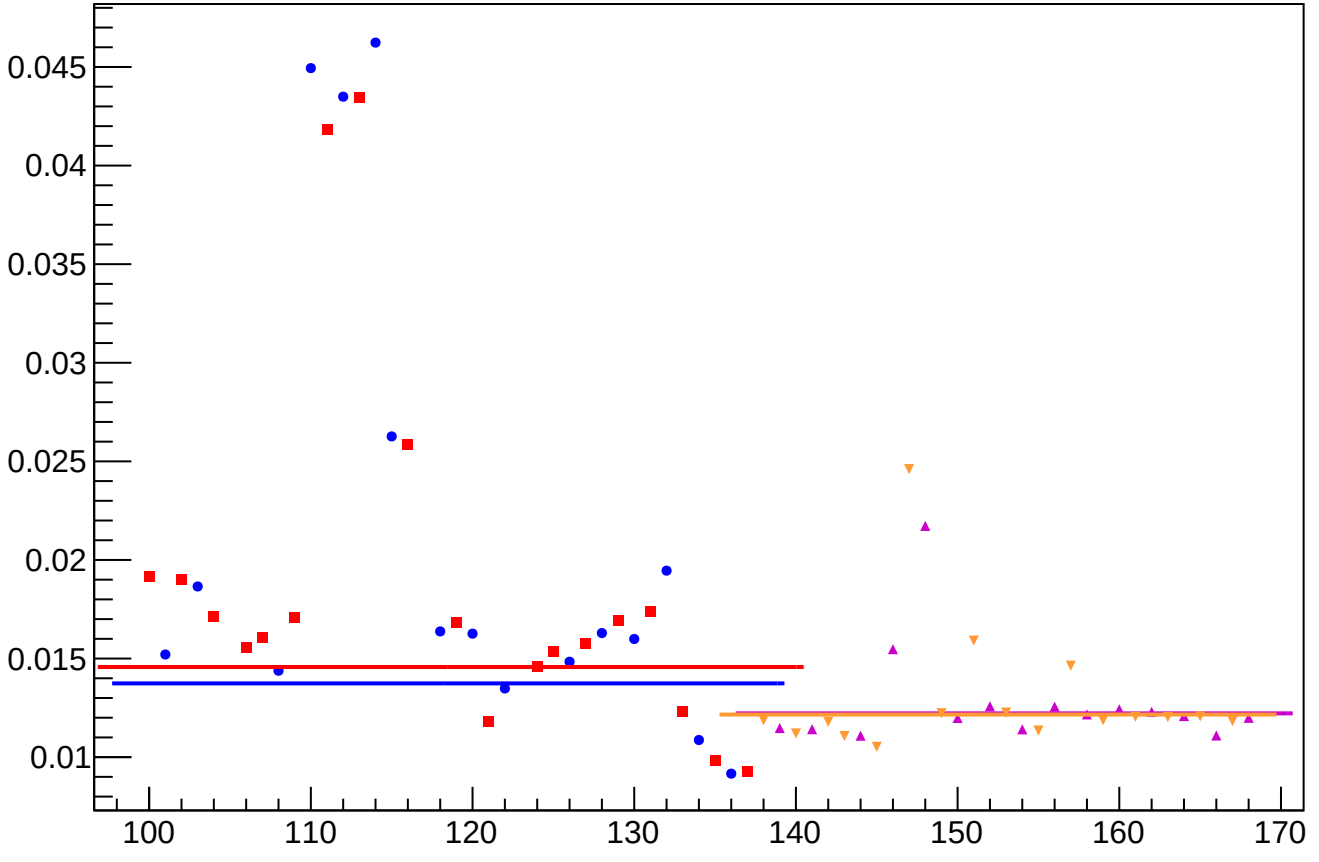
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.593+/-0.000 χ^2/NDF:5510386111.8/30

Out: 0.603+/-0.000 χ^2/NDF:6494528309.6/34

All: 0.598+/-0.000 χ^2/NDF: 12010055624.0/6

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:615264.8/15

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:430033.4/14

Left: 0.012+/-0.000 χ^2/NDF: 1045591.2/30

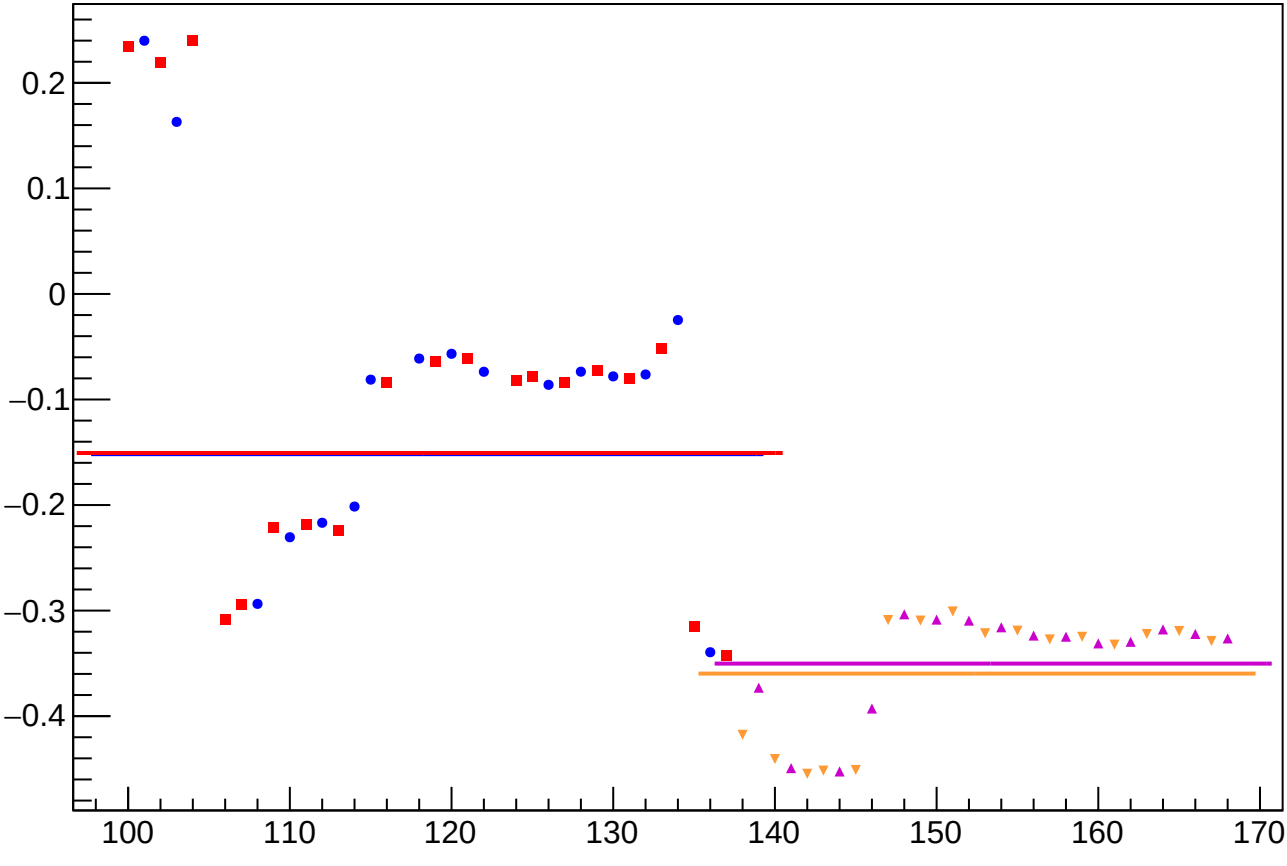
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2183889.2/30

Out: 0.013+/-0.000 χ^2/NDF:2320650.2/34

All: 0.013+/-0.000 χ^2/NDF: 4507015.3/65

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.360+/-0.000 χ^2/NDF:103599353.8/15

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.350+/-0.000 χ^2/NDF:76596194.0/14

Left: -0.355+/-0.000 χ^2/NDF: 181466596.7/30

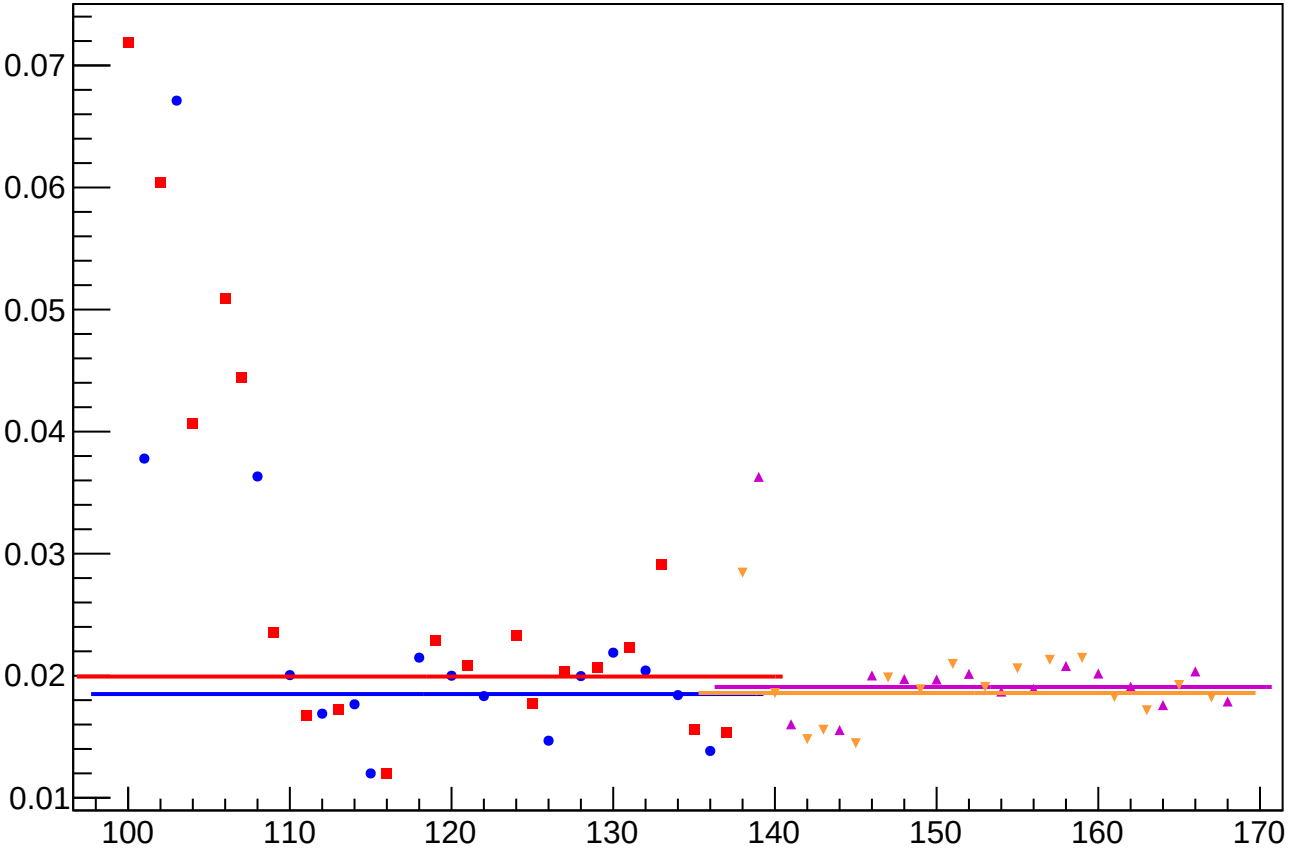
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.279+/-0.000 χ^2/NDF:742296241.4/30

Out: -0.293+/-0.000 χ^2/NDF:710397260.3/34

All: -0.286+/-0.000 χ^2/NDF: 1456855331.5/6

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:435285.9/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:535122.1/14

Left: 0.019+/-0.000 χ^2/NDF: 977289.0/30

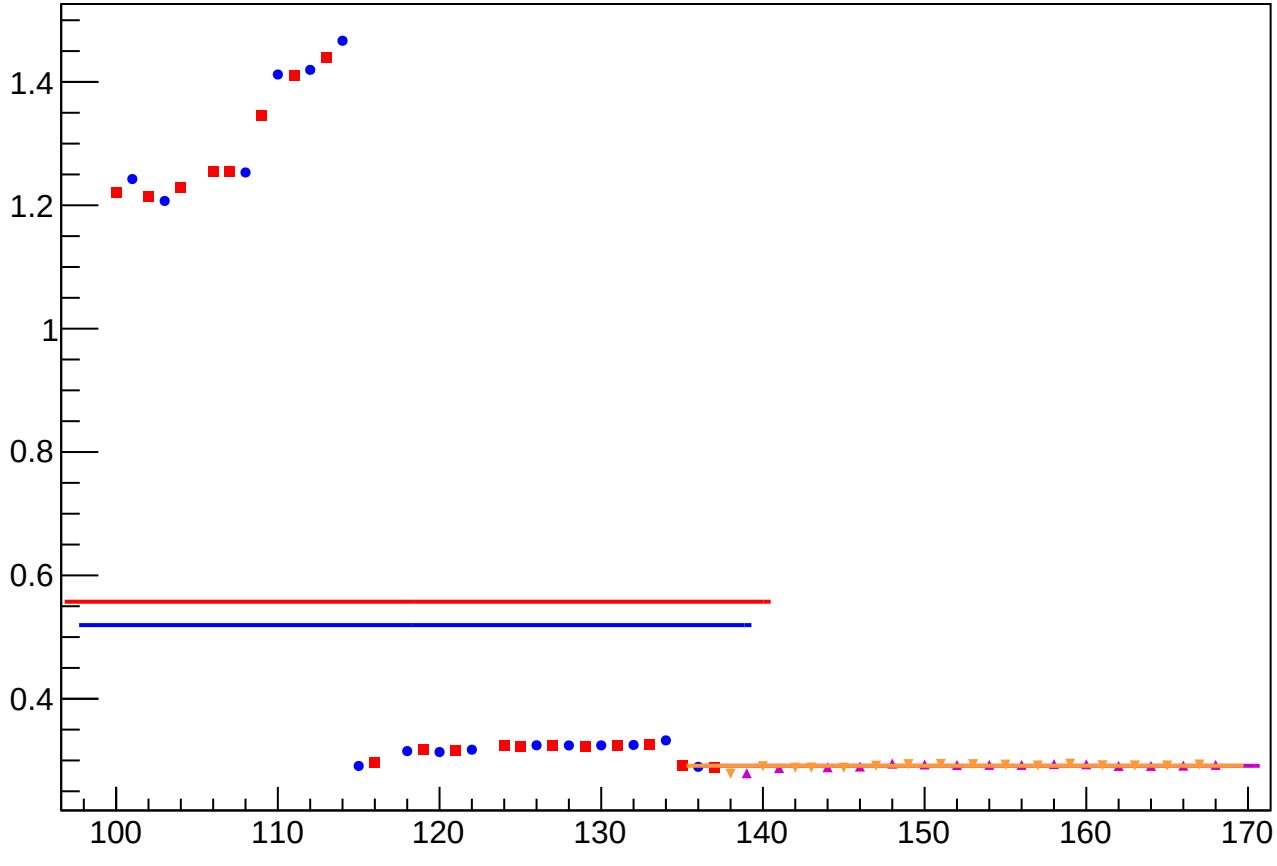
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1914107.2/30

Out: 0.019+/-0.000 χ^2/NDF:2016677.4/34

All: 0.019+/-0.000 χ^2/NDF: 3931691.4/65

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1165009.4/15

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1186064.8/14

Left: 0.291+/-0.000 χ^2/NDF: 2351216.6/30

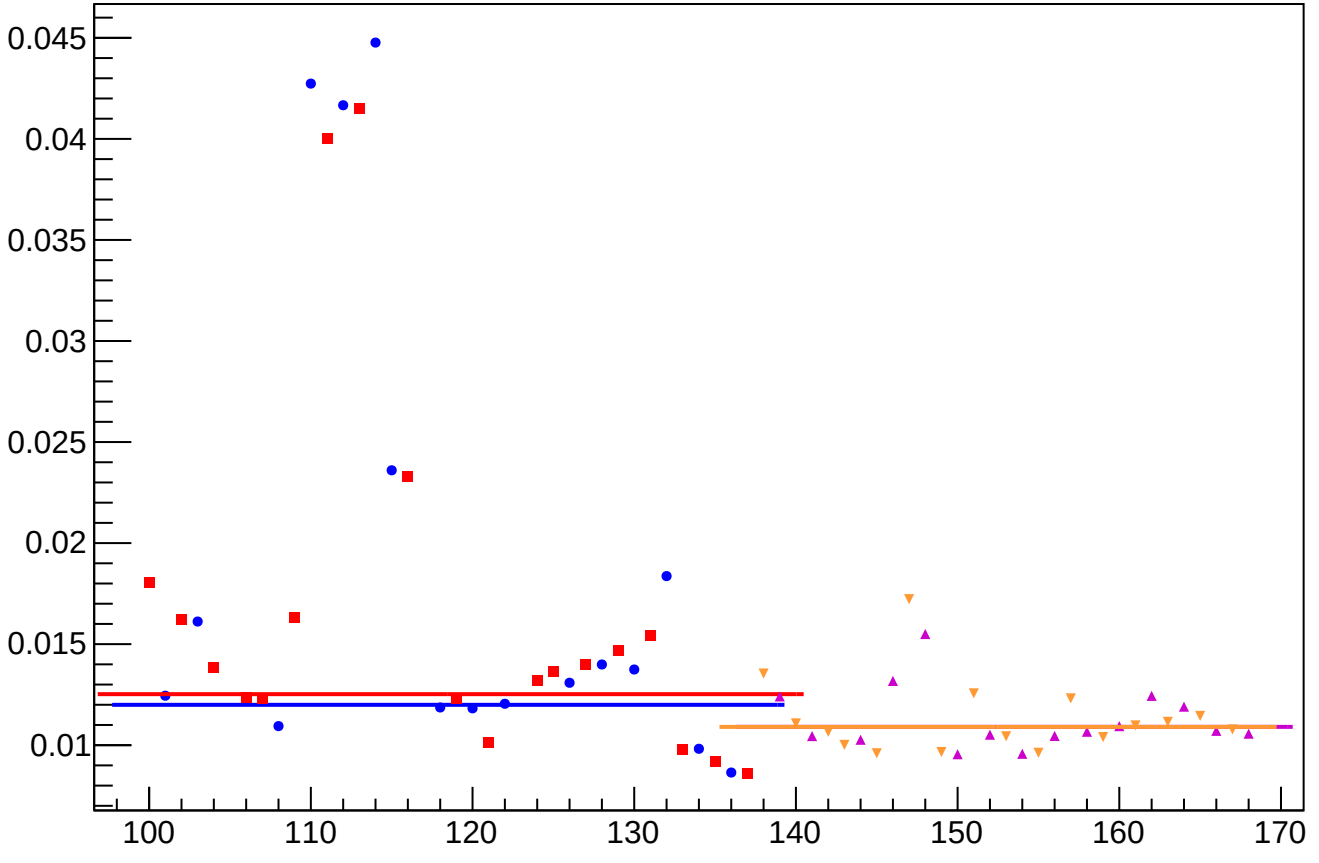
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.359+/-0.000 χ^2/NDF:7837137908.2/30

Out: 0.366+/-0.000 χ^2/NDF:8732596351.7/34

All: 0.362+/-0.000 χ^2/NDF: 16573374624.9/6

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:427708.7/15

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:331265.4/14

Left: 0.011+/-0.000 χ^2/NDF: 758974.4/30

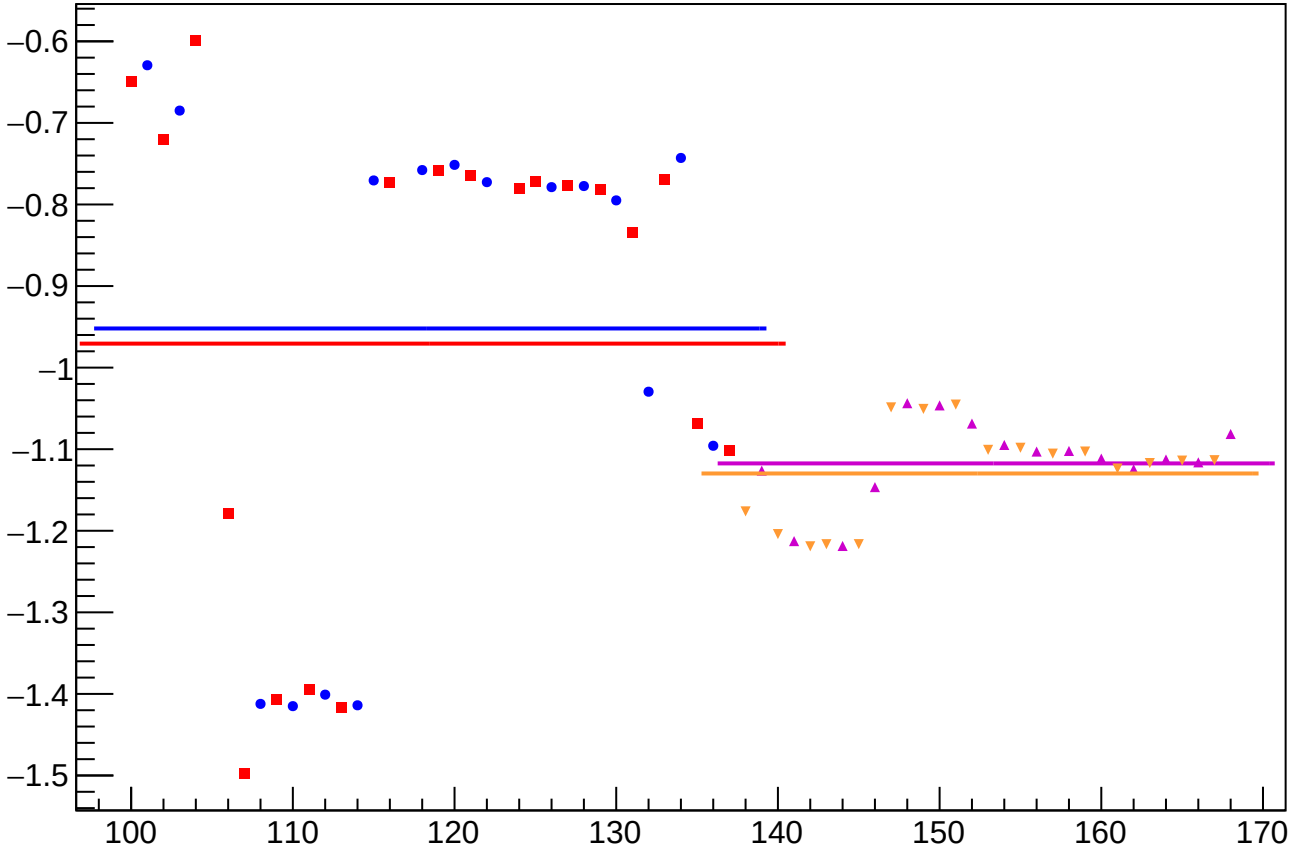
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1892254.5/30

Out: 0.011+/-0.000 χ^2/NDF:2009356.0/34

All: 0.011+/-0.000 χ^2/NDF: 3903989.4/65

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.130+/-0.000 χ^2/NDF:98012938.7/15

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.117+/-0.000 χ^2/NDF:74614645.7/14

Left: -1.124+/-0.000 χ^2/NDF: 174752030.4/30

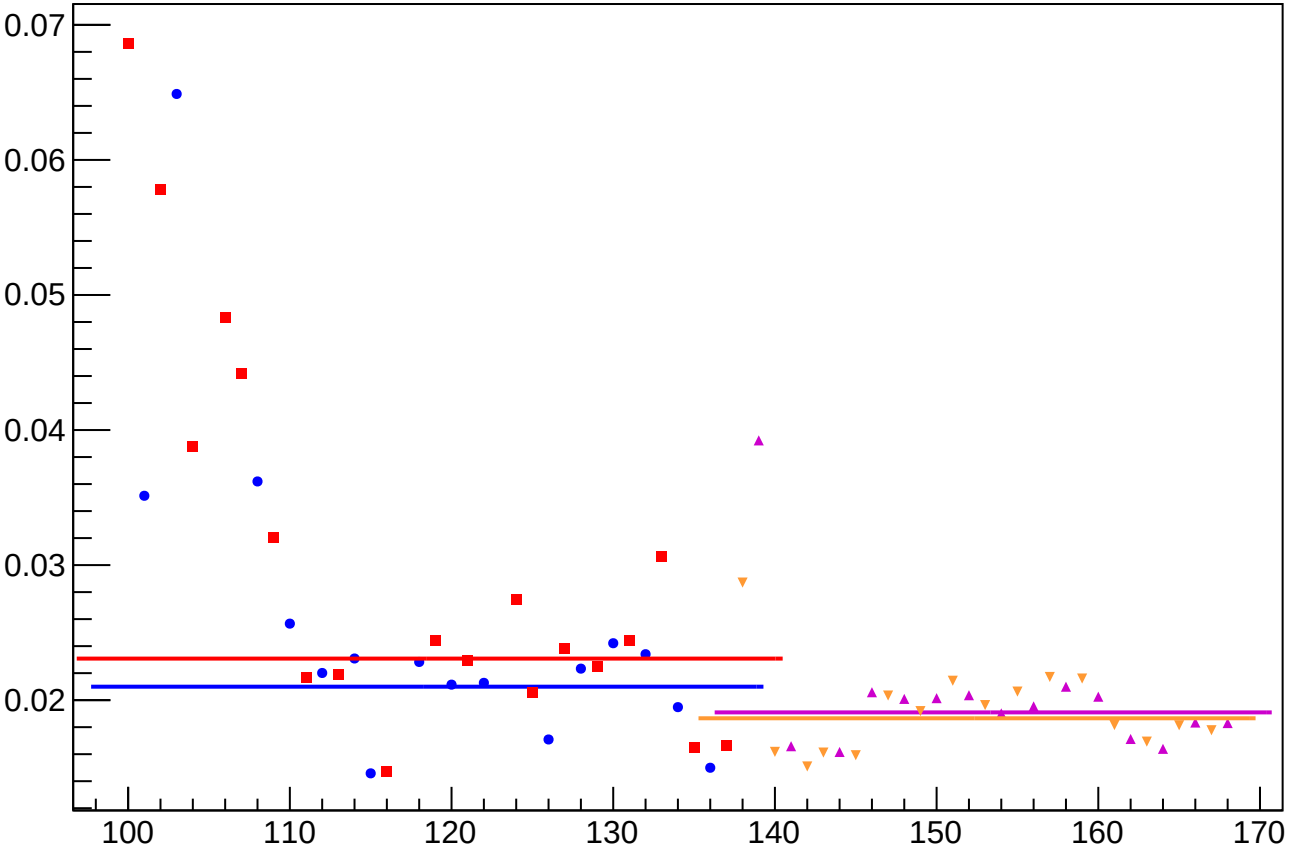
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.066+/-0.000 χ^2/NDF:1003587724.3/30

Out: -1.087+/-0.000 χ^2/NDF:1006338563.1/34

All: -1.077+/-0.000 χ^2/NDF: 2018509597.3/6

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:405636.6/15

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:601304.6/14

Left: 0.019+/-0.000 χ^2/NDF: 1012240.6/30

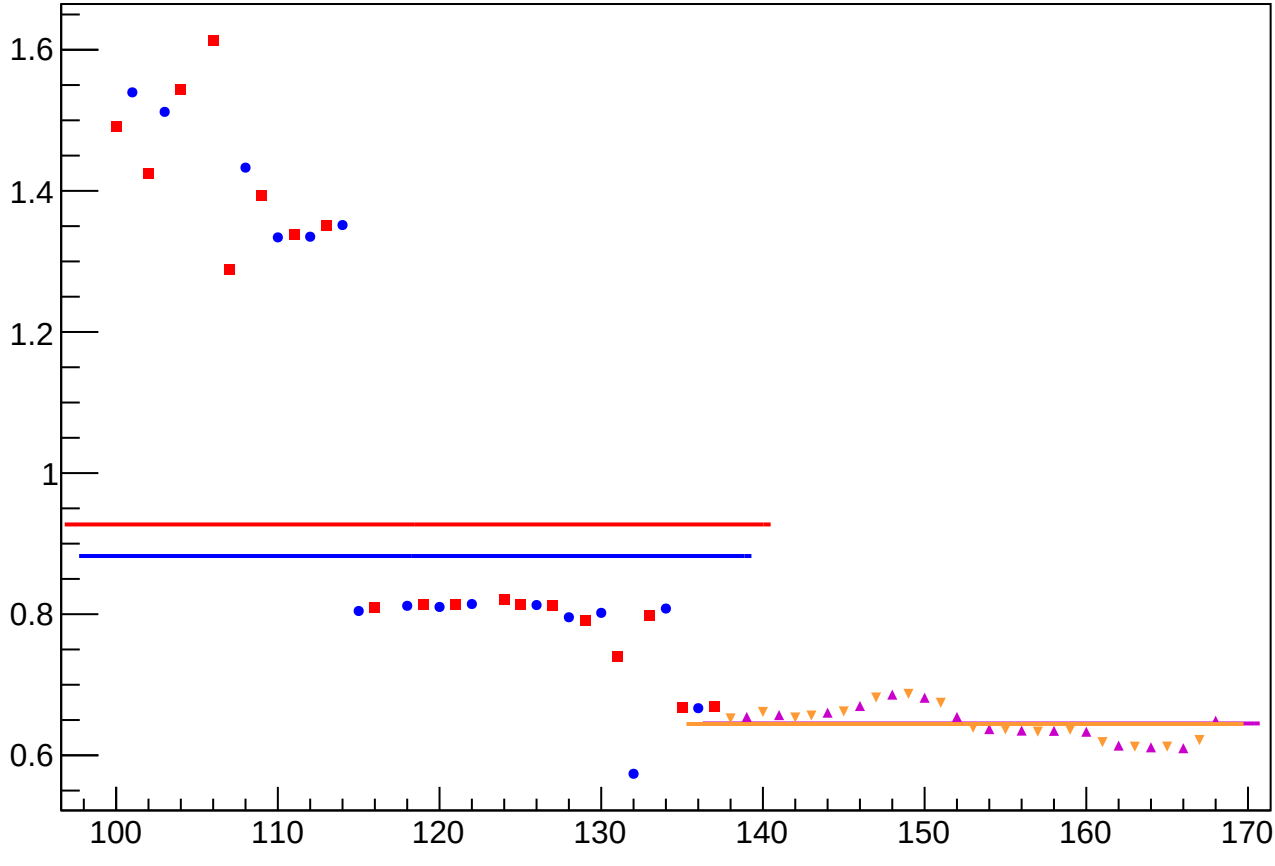
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1829074.3/30

Out: 0.020+/-0.000 χ^2/NDF:1985732.9/34

All: 0.020+/-0.000 χ^2/NDF: 3815767.0/65

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.644+/-0.000 χ^2/NDF:38251301.7/15

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.645+/-0.000 χ^2/NDF:34203632.8/14

Left: 0.645+/-0.000 χ^2/NDF: 72478464.6/30

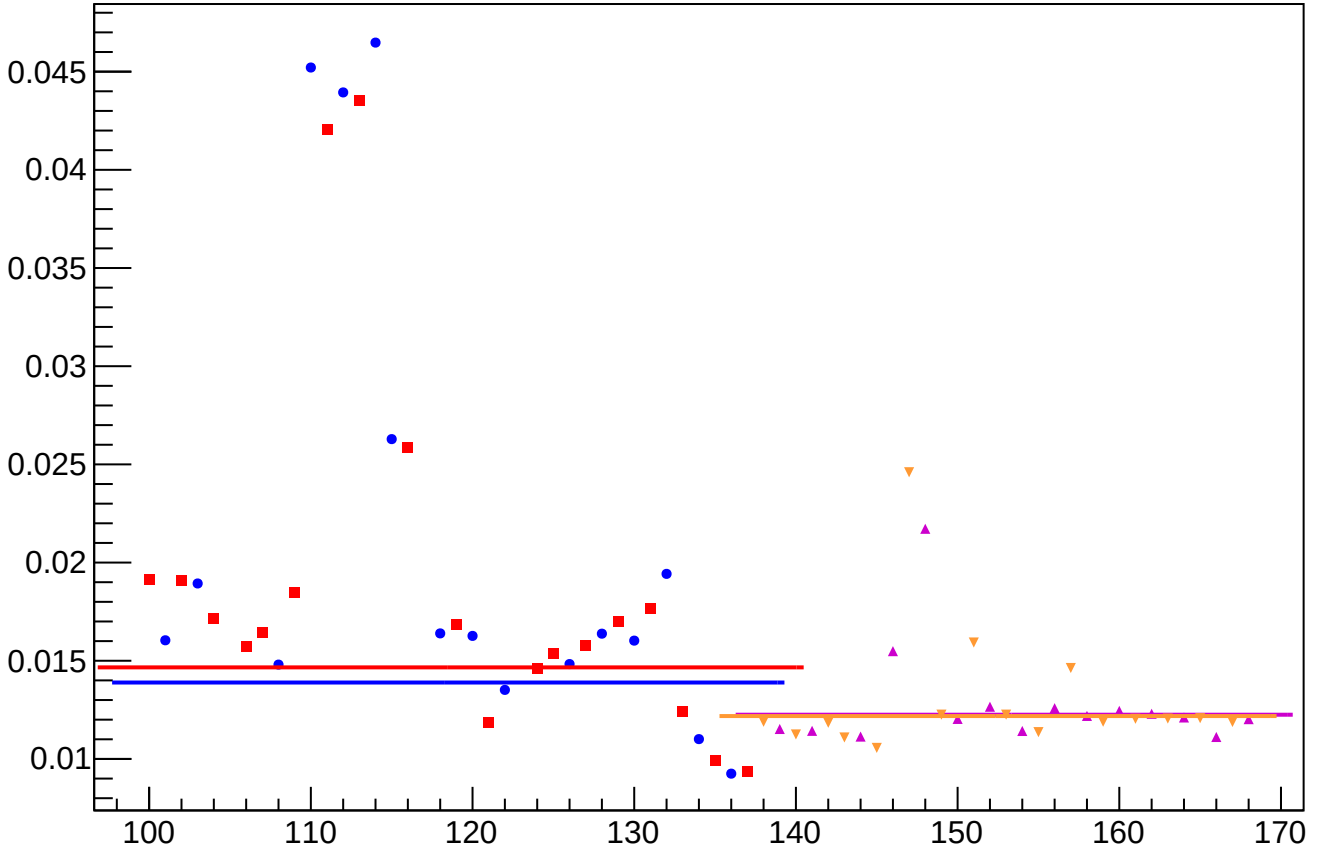
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.712+/-0.000 χ^2/NDF:4061757452.2/30

Out: 0.719+/-0.000 χ^2/NDF:4499053398.0/34

All: 0.716+/-0.000 χ^2/NDF: 8563726471.2/65

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:609949.7/15

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:426703.9/14

Left: 0.012+/-0.000 χ^2/NDF: 1037024.0/30

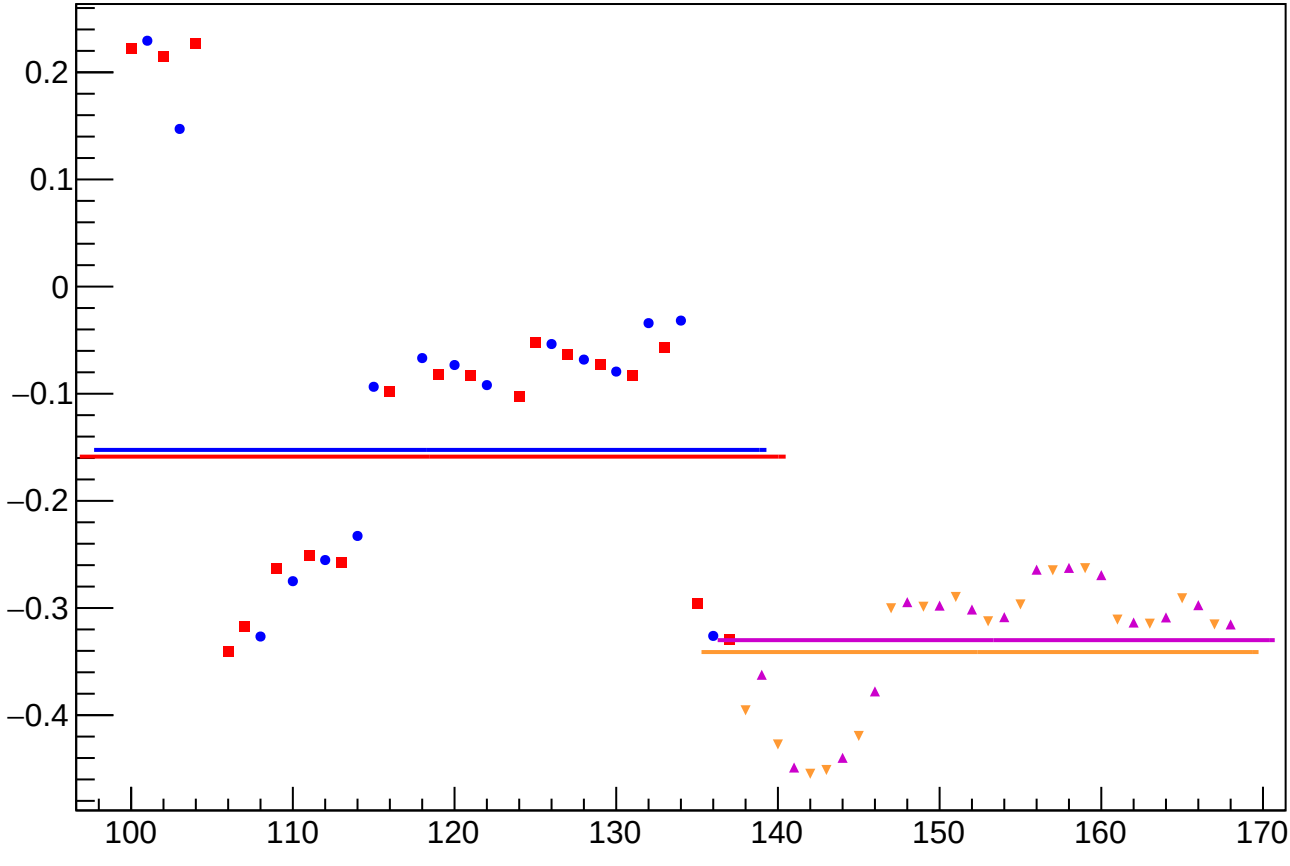
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2192091.0/30

Out: 0.013+/-0.000 χ^2/NDF:2337860.2/34

All: 0.013+/-0.000 χ^2/NDF: 4531695.2/65

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.341+/-0.000 χ^2/NDF:123307821.9/15

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.330+/-0.000 χ^2/NDF:103365746.6/14

Left: -0.336+/-0.000 χ^2/NDF: 228416311.0/30

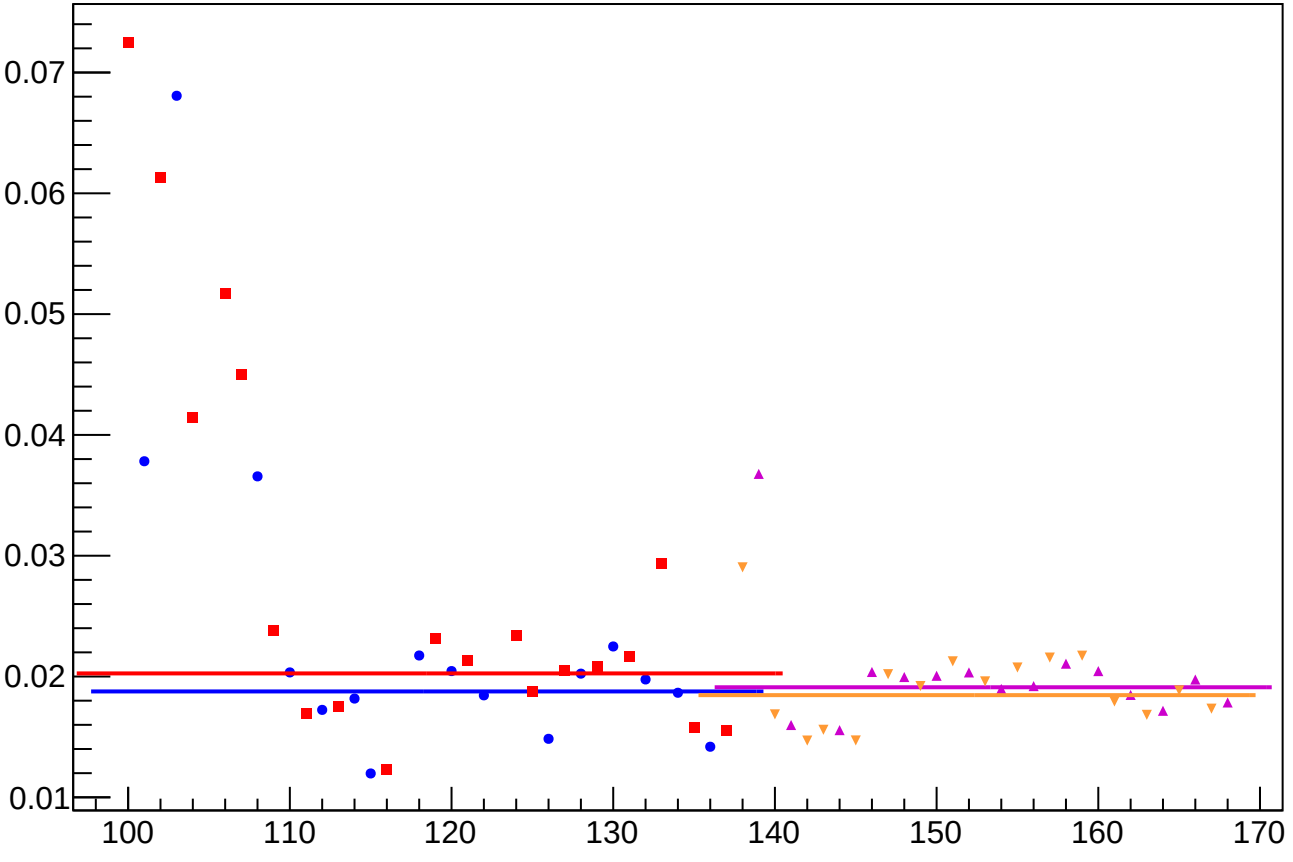
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.267+/-0.000 χ^2/NDF:682584033.4/30

Out: -0.284+/-0.000 χ^2/NDF:622923119.9/34

All: -0.276+/-0.000 χ^2/NDF: 1311920194.6/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:484079.1/15

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:561962.7/14

Left: 0.019+/-0.000 χ^2/NDF: 1058065.2/30

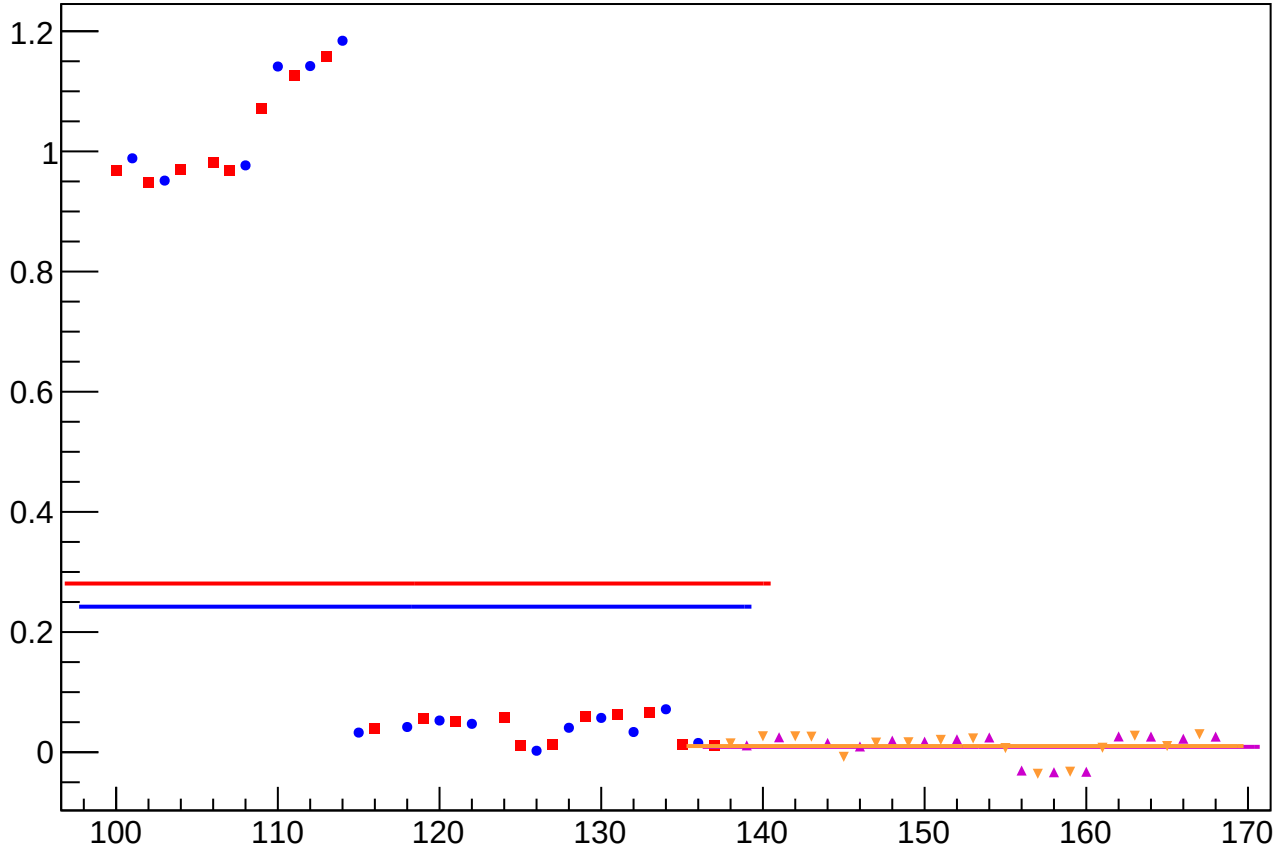
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1913684.6/30

Out: 0.019+/-0.000 χ^2/NDF:2072846.0/34

All: 0.019+/-0.000 χ^2/NDF: 3986569.5/65

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:41142778.3/15

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.009+/-0.000 χ^2/NDF:51209807.5/14

Left: 0.010+/-0.000 χ^2/NDF: 92443799.3/30

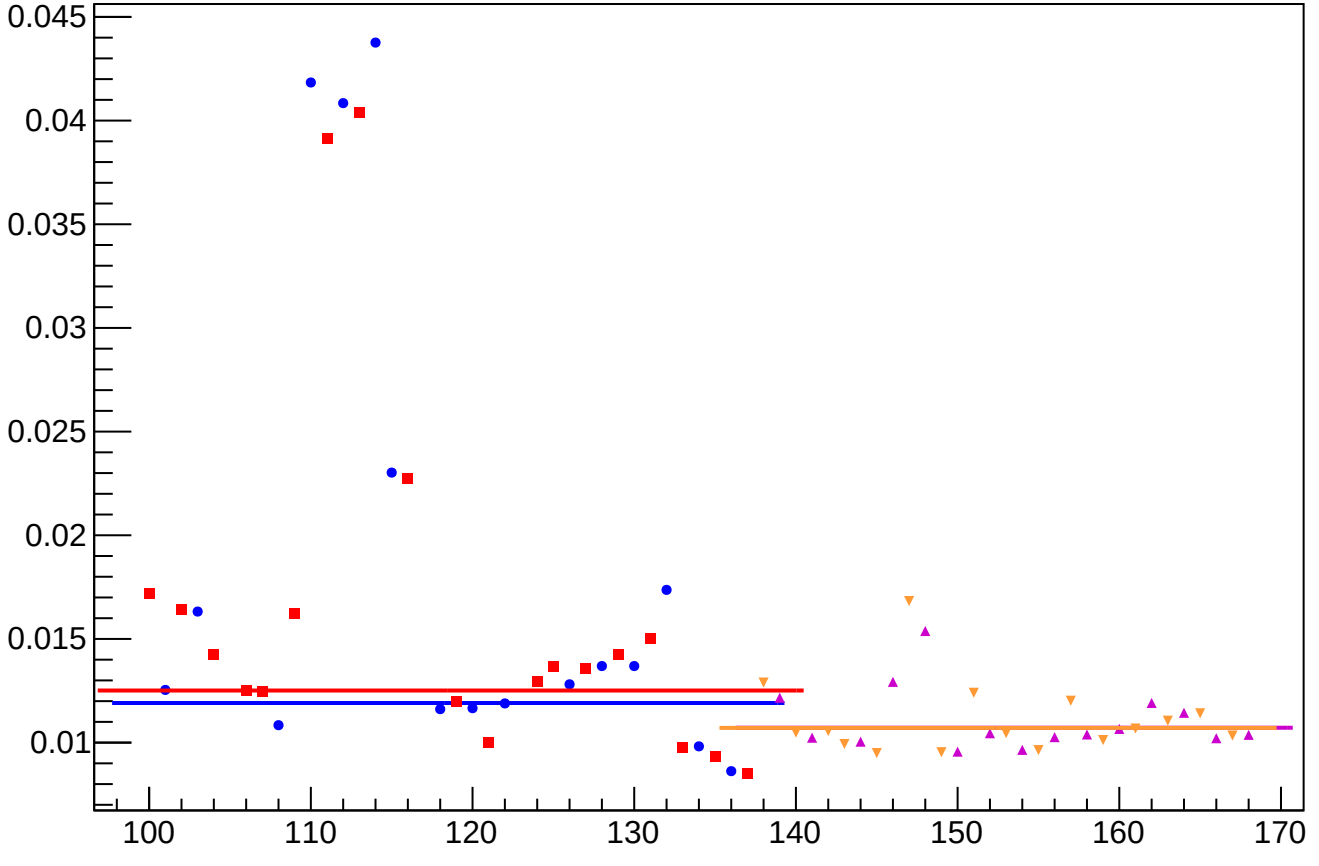
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.077+/-0.000 χ^2/NDF:8180828808.7/30

Out: 0.084+/-0.000 χ^2/NDF:8880208842.1/34

All: 0.081+/-0.000 χ^2/NDF: 17064781143.7/6

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:396926.5/15

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:306410.3/14

Left: 0.011+/-0.000 χ^2/NDF: 703341.6/30

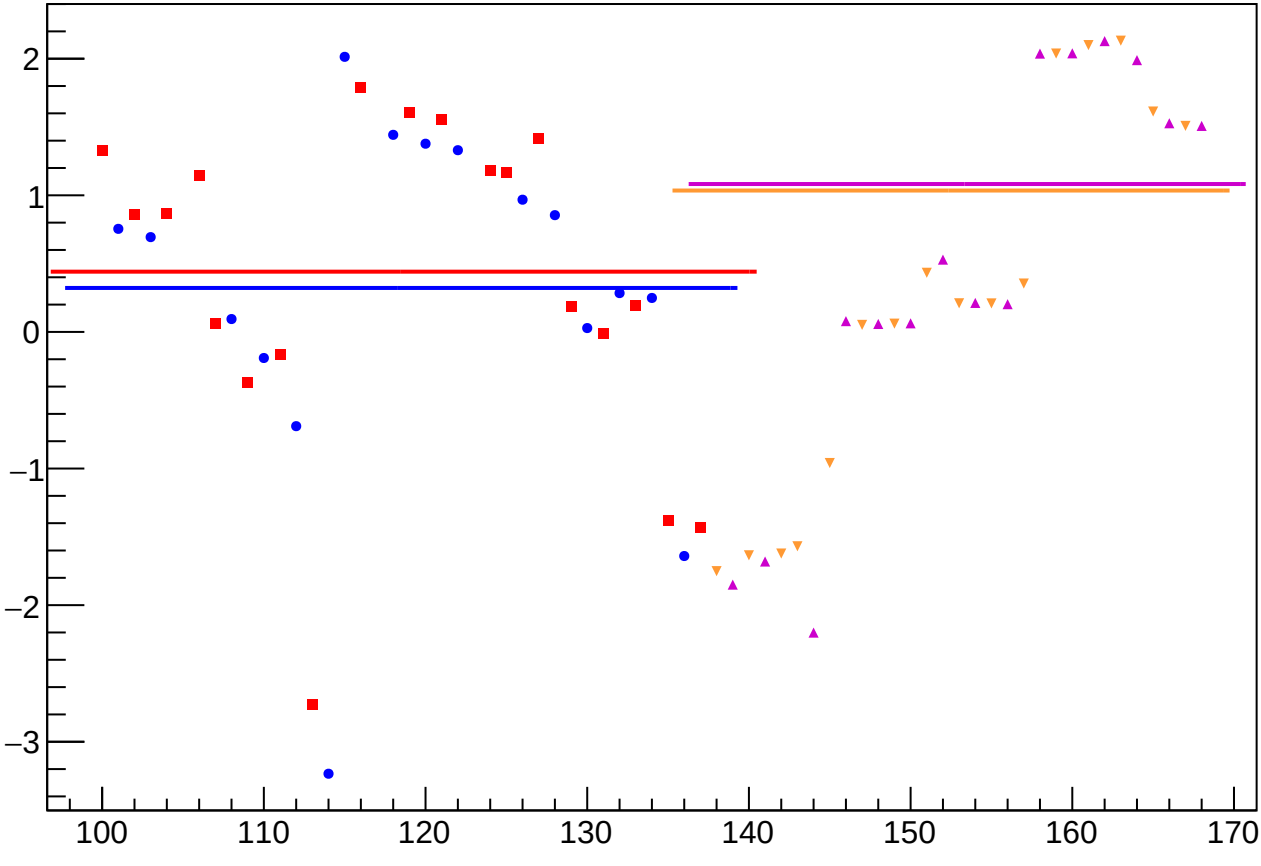
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1850646.7/30

Out: 0.011+/-0.000 χ^2/NDF:1974148.1/34

All: 0.011+/-0.000 χ^2/NDF: 3827529.2/65

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.035+/-0.000 χ^2/NDF:28533633276.2/15

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.083+/-0.000 χ^2/NDF:32876289490.8/14

Left: 1.060+/-0.000 χ^2/NDF: 61449878282.0/30

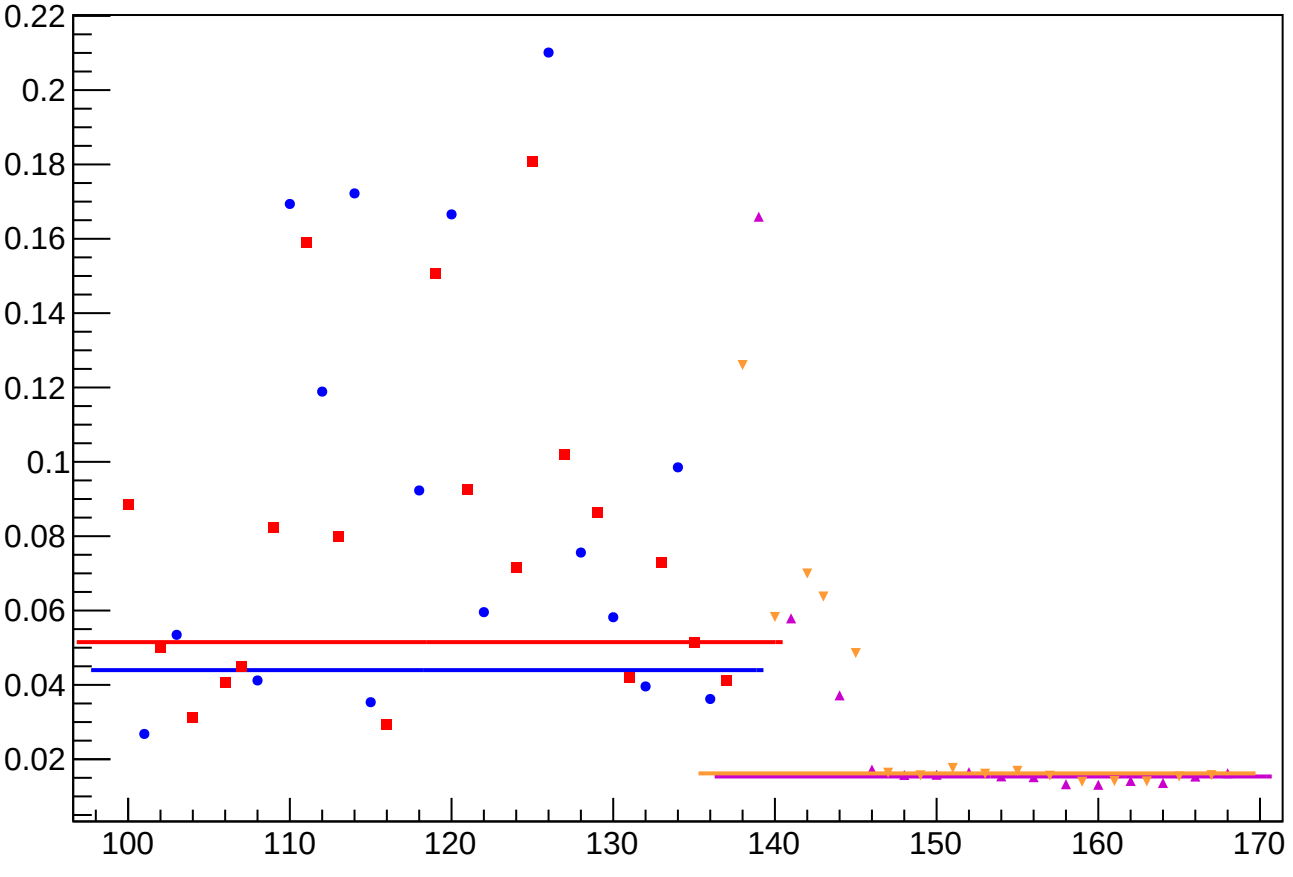
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.044+/-0.000 χ^2/NDF:35632034775.0/30

Out: 1.007+/-0.000 χ^2/NDF:30883547337.5/34

All: 1.027+/-0.000 χ^2/NDF: 66541398600.5/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2877808.5/15

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2148468.2/14

Left: 0.016+/-0.000 χ^2/NDF: 5050860.7/30

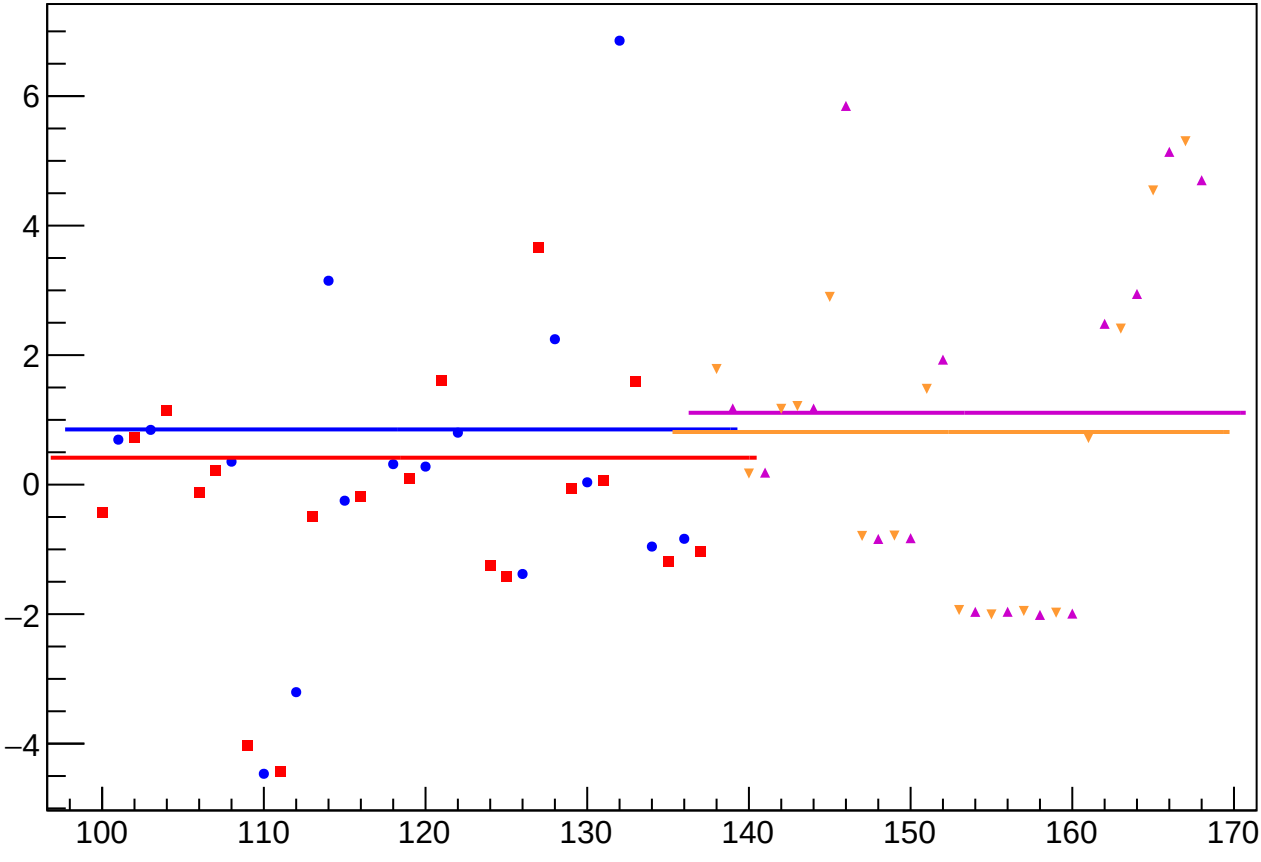
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8022353.1/30

Out: 0.018+/-0.000 χ^2/NDF:9156374.2/34

All: 0.017+/-0.000 χ^2/NDF: 17220334.3/65

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.813+/-0.000 χ^2/NDF:382915270131.5/15

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 1.110+/-0.000 χ^2/NDF:510148998381.0/14

Left: 0.967+/-0.000 χ^2/NDF: 895520369361.2/30

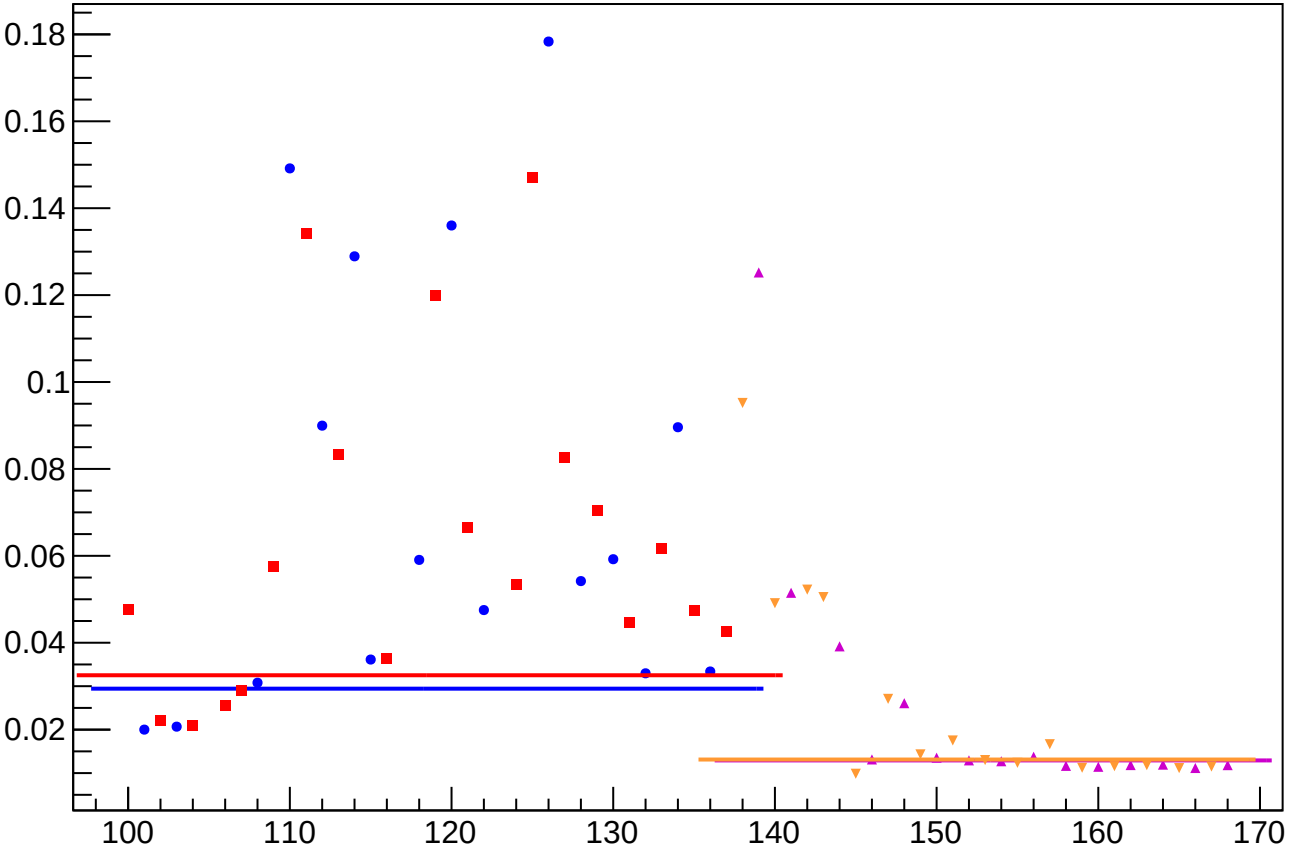
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.092+/-0.000 χ^2/NDF:521987245501.0/30

Out: 0.786+/-0.000 χ^2/NDF:388610274114.5/34

All: 0.945+/-0.000 χ^2/NDF: 913402051177.3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3106427.8/15

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2679897.2/14

Left: 0.013+/-0.000 χ^2/NDF: 5788658.0/30

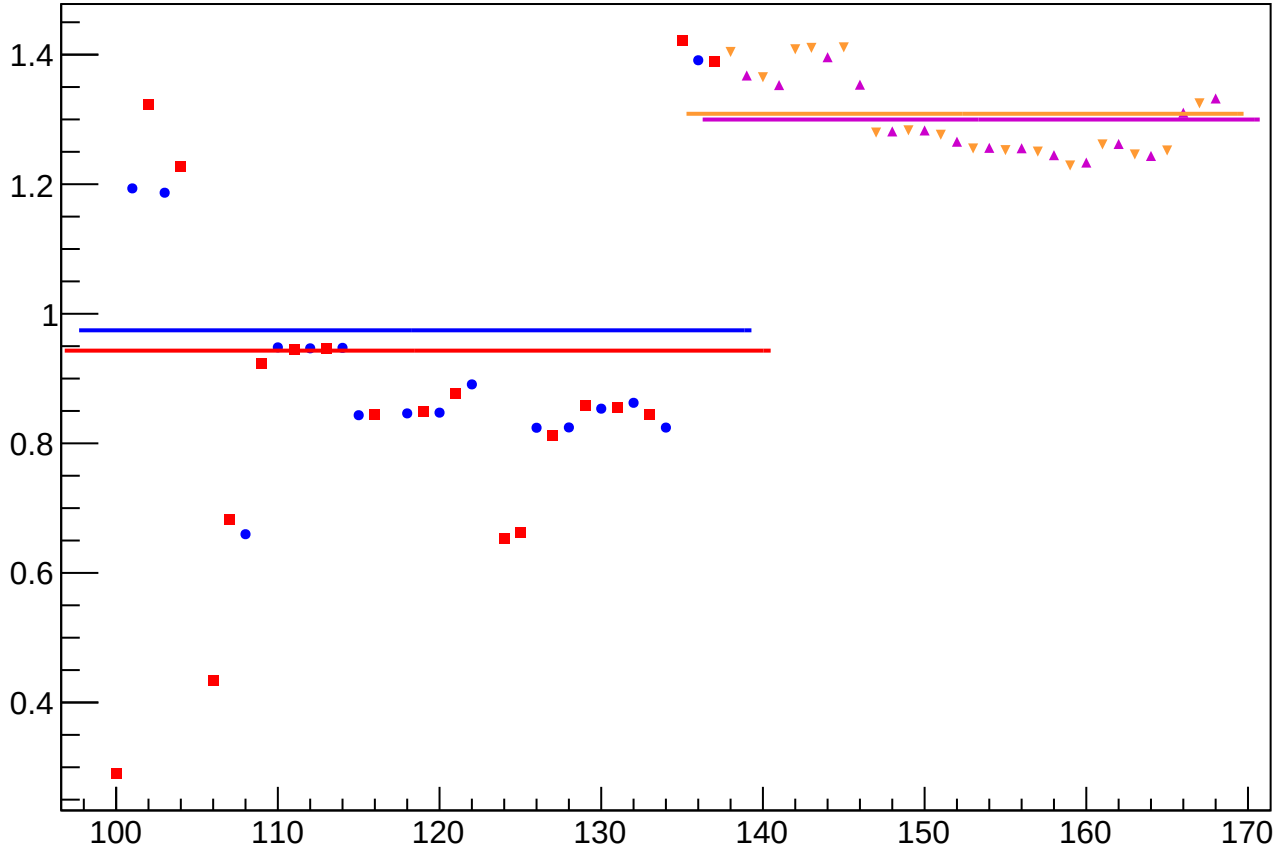
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8036496.4/30

Out: 0.014+/-0.000 χ^2/NDF:9158448.9/34

All: 0.014+/-0.000 χ^2/NDF: 17204182.6/65

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF:260658150.5/15

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.300+/-0.000 χ^2/NDF:154587242.5/14

Left: 1.304+/-0.000 χ^2/NDF: 417557574.9/30

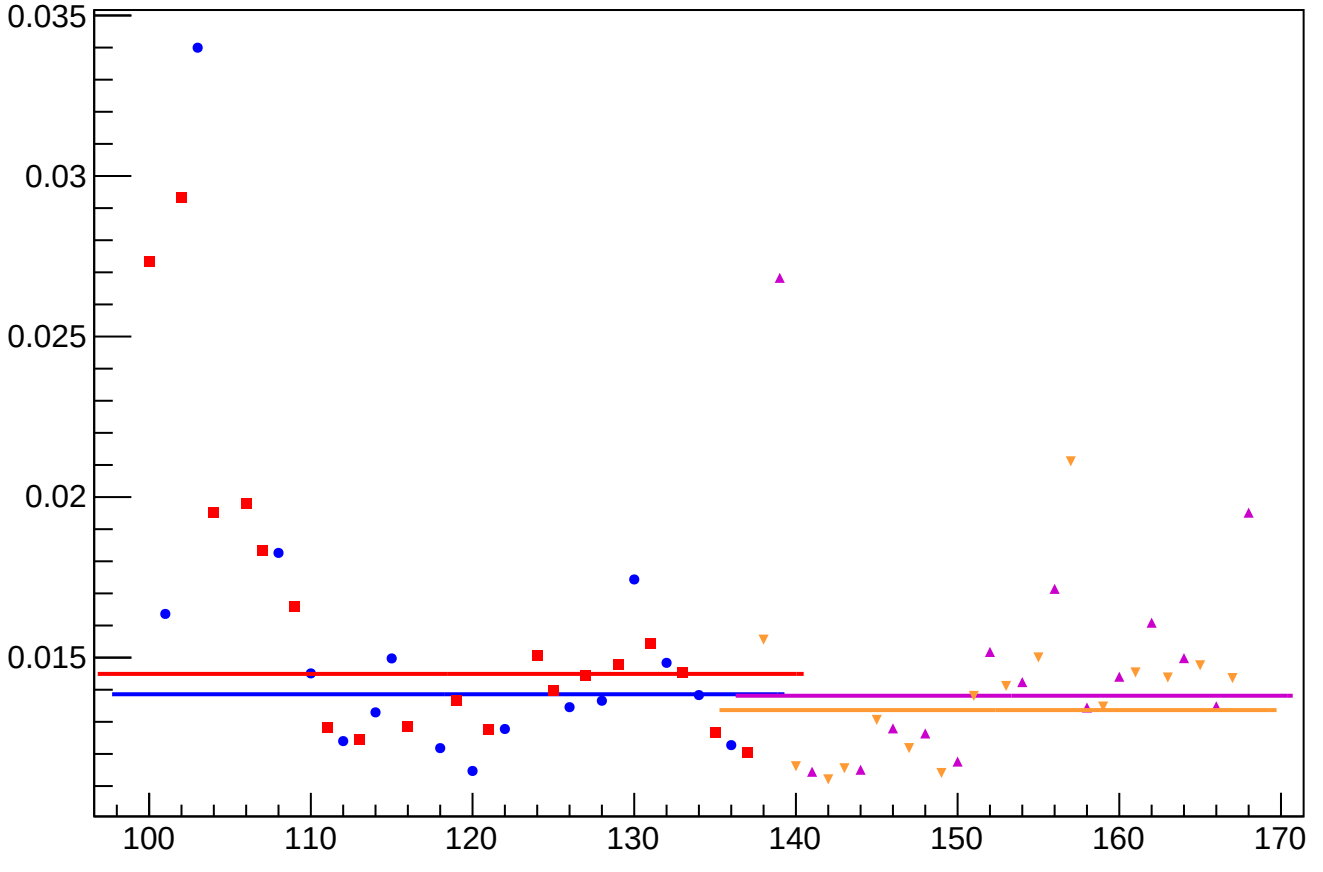
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.181+/-0.000 χ^2/NDF:3790383961.1/30

Out: 1.186+/-0.000 χ^2/NDF:4644491582.9/34

All: 1.184+/-0.000 χ^2/NDF: 8436004434.5/65

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:408024.7/15

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:825308.8/14

Left: 0.014+/-0.000 χ^2/NDF: 1245024.0/30

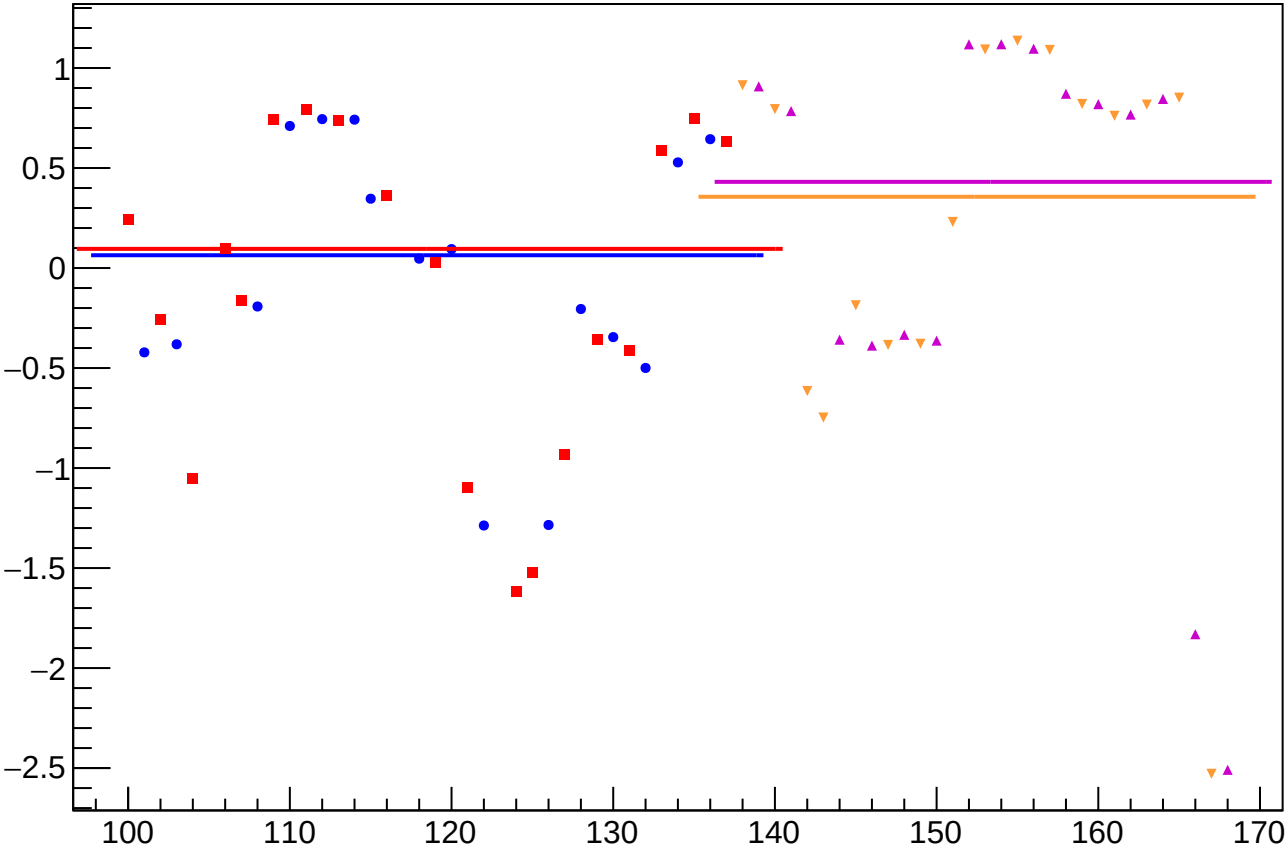
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1425375.4/30

Out: 0.014+/-0.000 χ^2/NDF:1003944.6/34

All: 0.014+/-0.000 χ^2/NDF: 2429991.8/65

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.356+/-0.000 χ^2/NDF:66964309027.4/15

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.431+/-0.000 χ^2/NDF:77072307114.5/14

Left: 0.394+/-0.000 χ^2/NDF: 144260075012.8/30

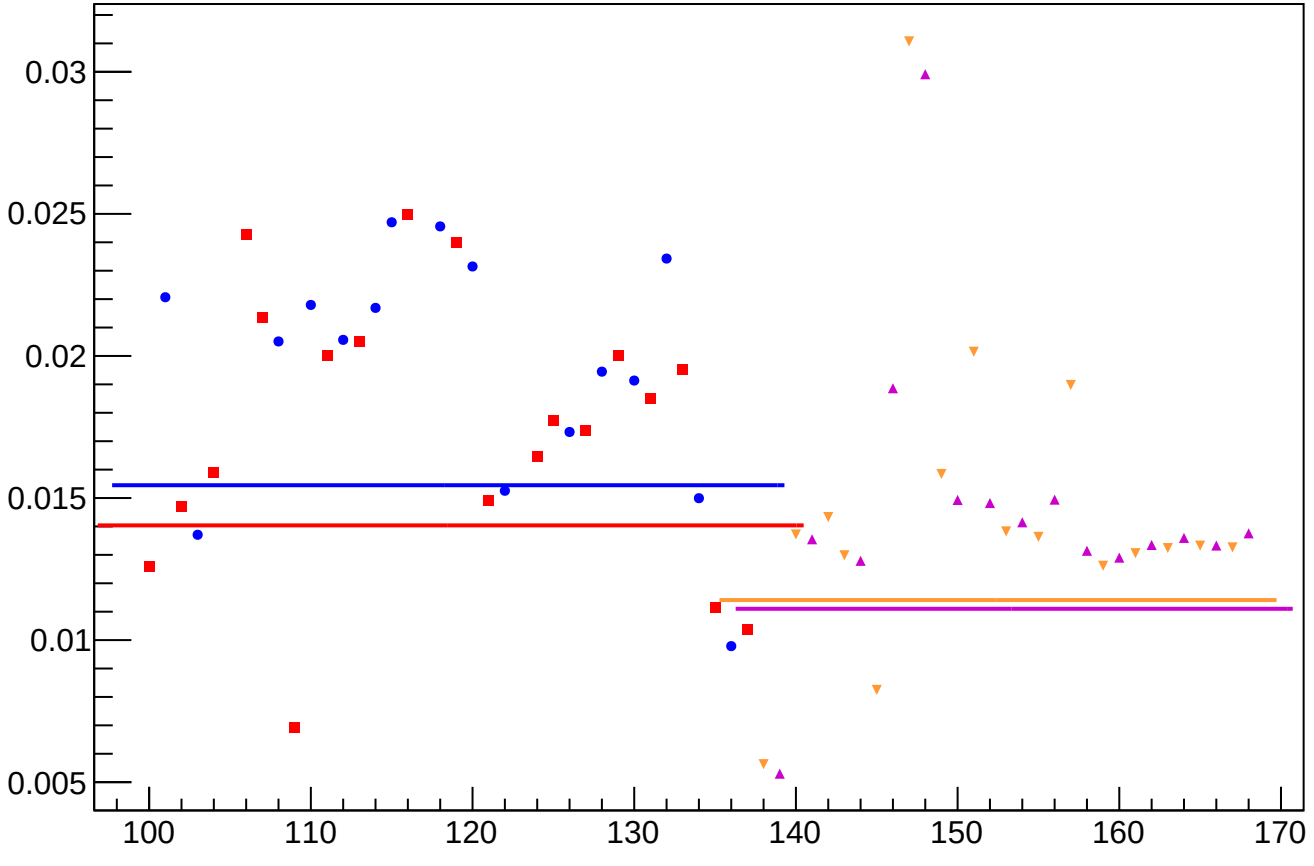
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.344+/-0.000 χ^2/NDF:90698722715.1/30

Out: 0.285+/-0.000 χ^2/NDF:86218478555.3/34

All: 0.314+/-0.000 χ^2/NDF: 177108046065.0

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:3103192.2/15

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3531520.2/14

Left: 0.011+/-0.000 χ^2/NDF: 6642282.3/30

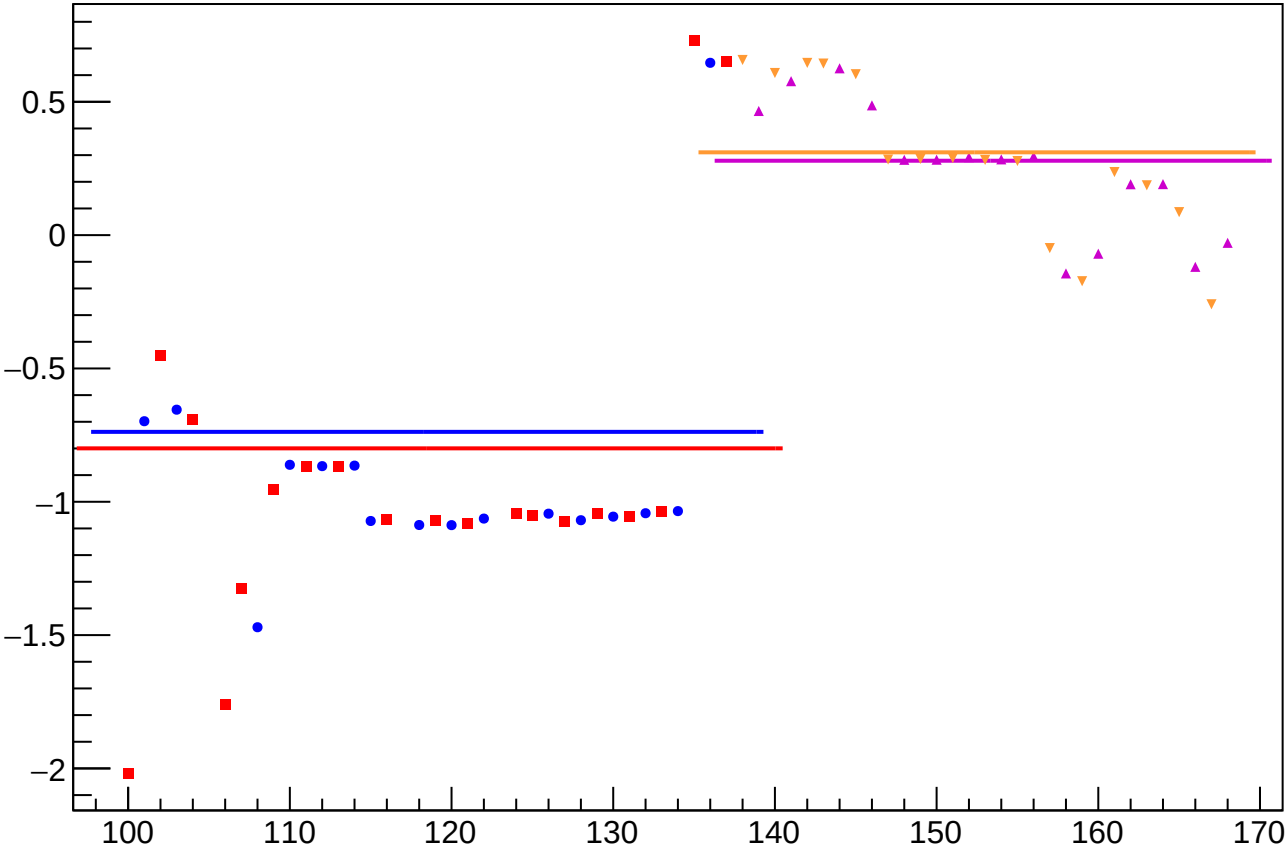
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5553007.1/30

Out: 0.012+/-0.000 χ^2/NDF:5089175.1/34

All: 0.012+/-0.000 χ^2/NDF: 10642183.0/65

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.311+/-0.000 χ^2/NDF:675728092.8/15

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.279+/-0.000 χ^2/NDF:501045750.6/14

Left: 0.295+/-0.000 χ^2/NDF: 1181132407.6/30

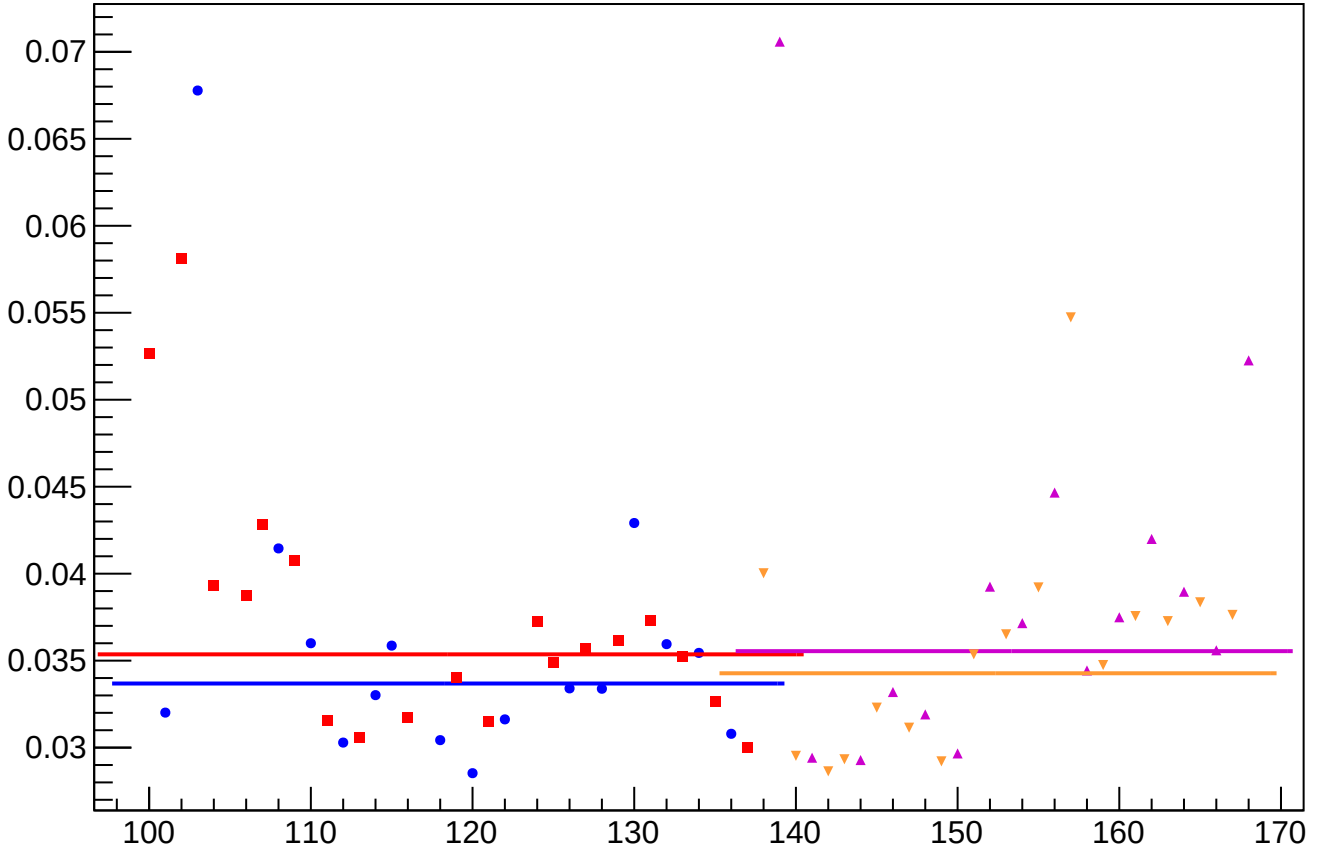
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.125+/-0.000 χ^2/NDF:6036696430.6/30

Out: -0.091+/-0.000 χ^2/NDF:6629840723.8/34

All: -0.108+/-0.000 χ^2/NDF: 12674696806.3/

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:448002.2/15

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:912516.5/14

Left: 0.035+/-0.000 χ^2/NDF: 1374712.5/30

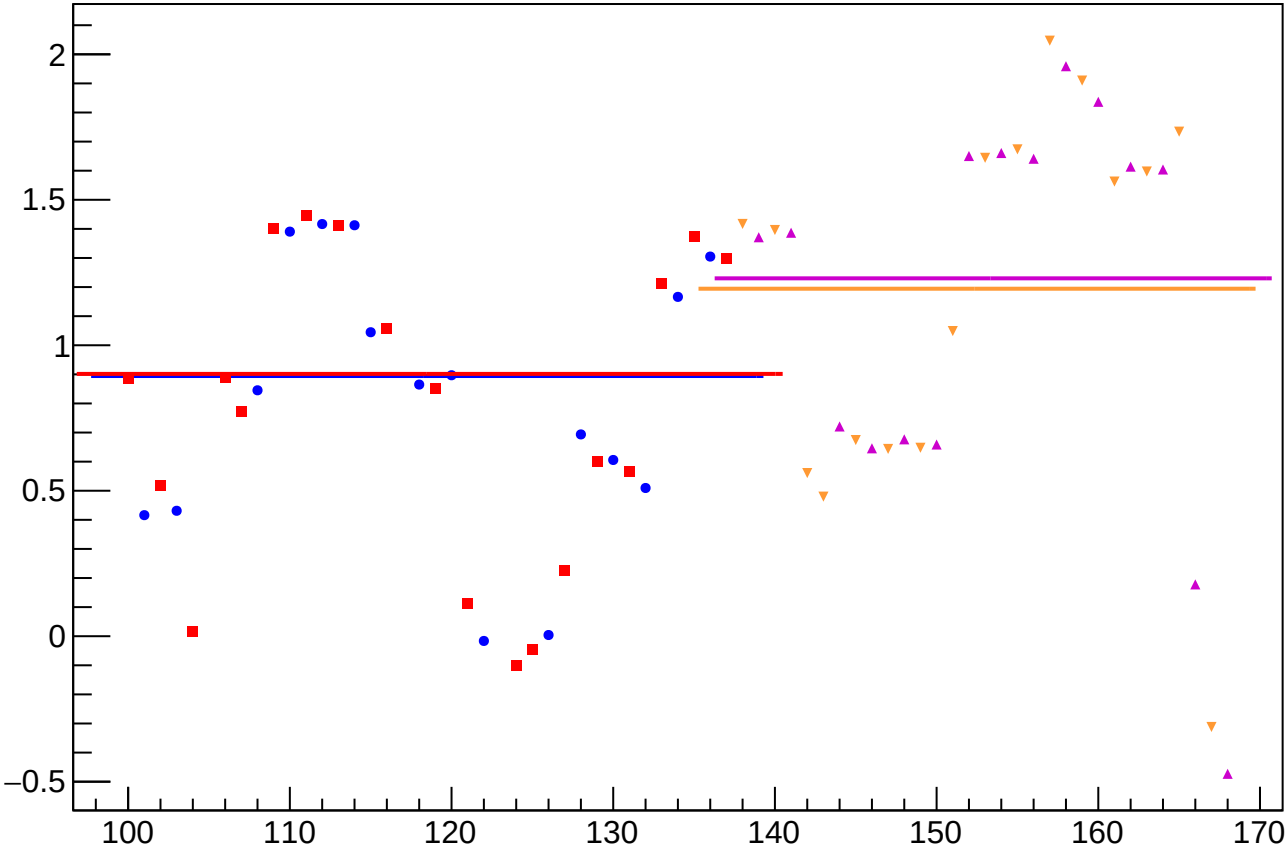
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1355941.9/30

Out: 0.035+/-0.000 χ^2/NDF:752175.0/34

All: 0.035+/-0.000 χ^2/NDF: 2108393.9/65

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.194+/-0.000 χ^2/NDF:55562039820.0/15

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.230+/-0.000 χ^2/NDF:57634637178.1/14

Left: 1.212+/-0.000 χ^2/NDF: 113284418425.7/30

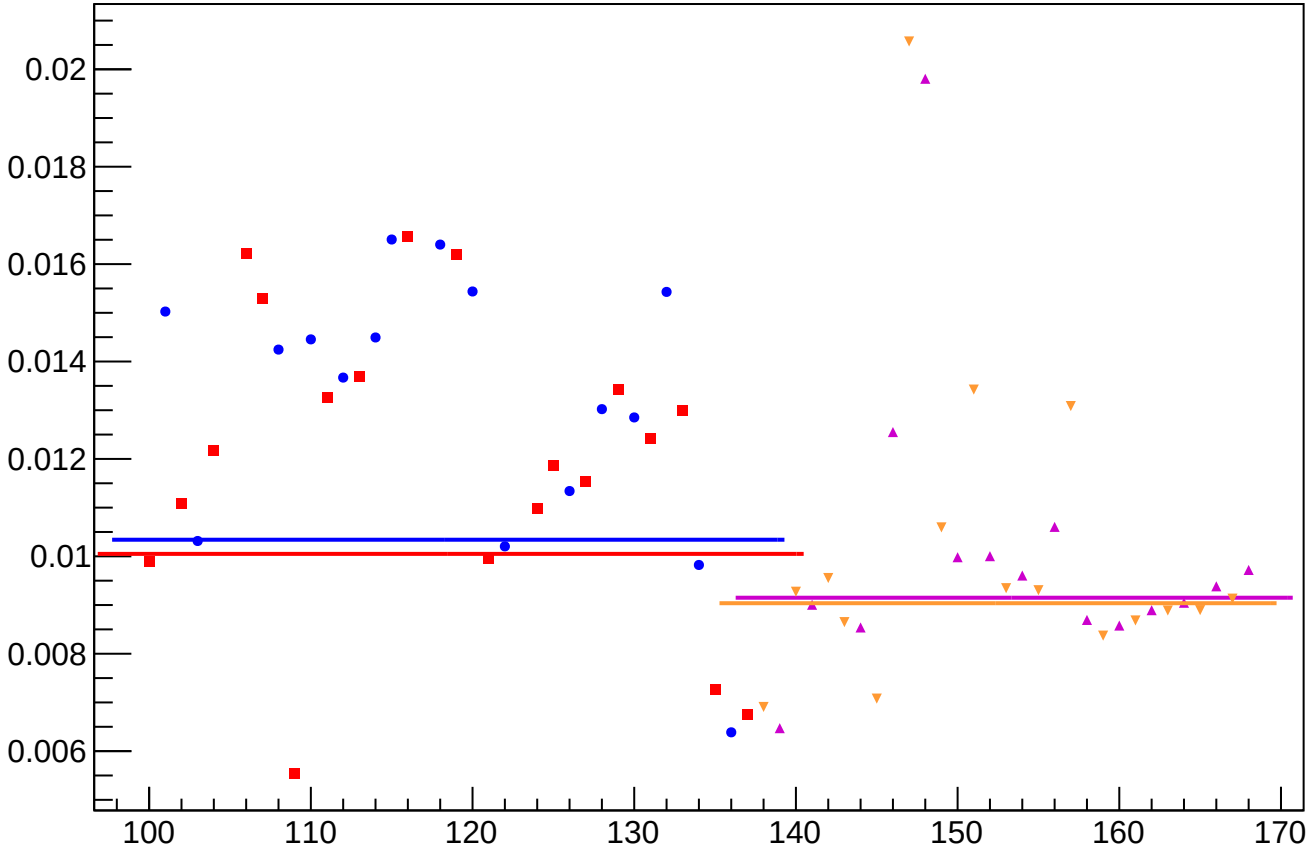
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.132+/-0.000 χ^2/NDF:74837862391.4/30

Out: 1.107+/-0.000 χ^2/NDF:77073709761.9/34

All: 1.119+/-0.000 χ^2/NDF: 151975638681.8

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:1124010.3/15

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:924976.0/14

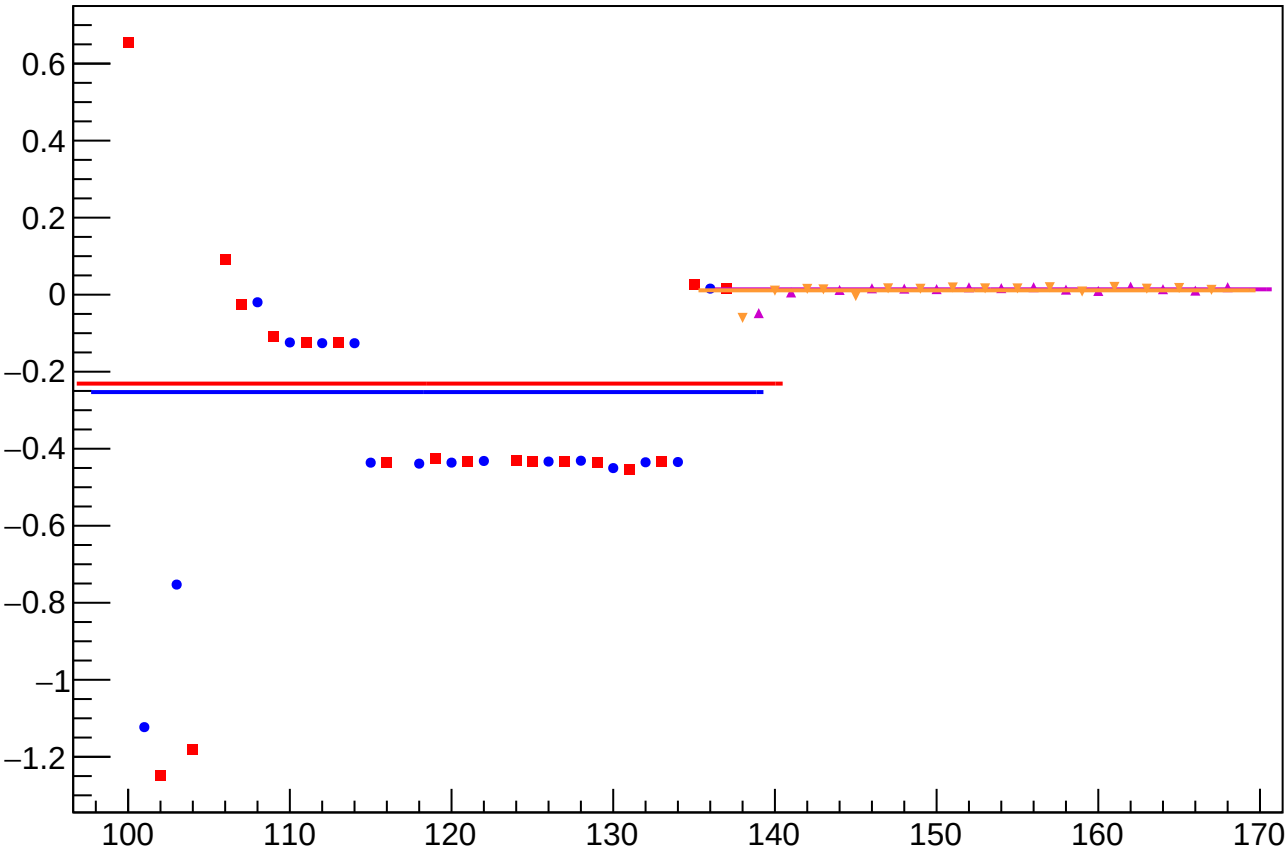
Left: 0.009+/-0.000 χ^2/NDF: 2050740.6/30

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

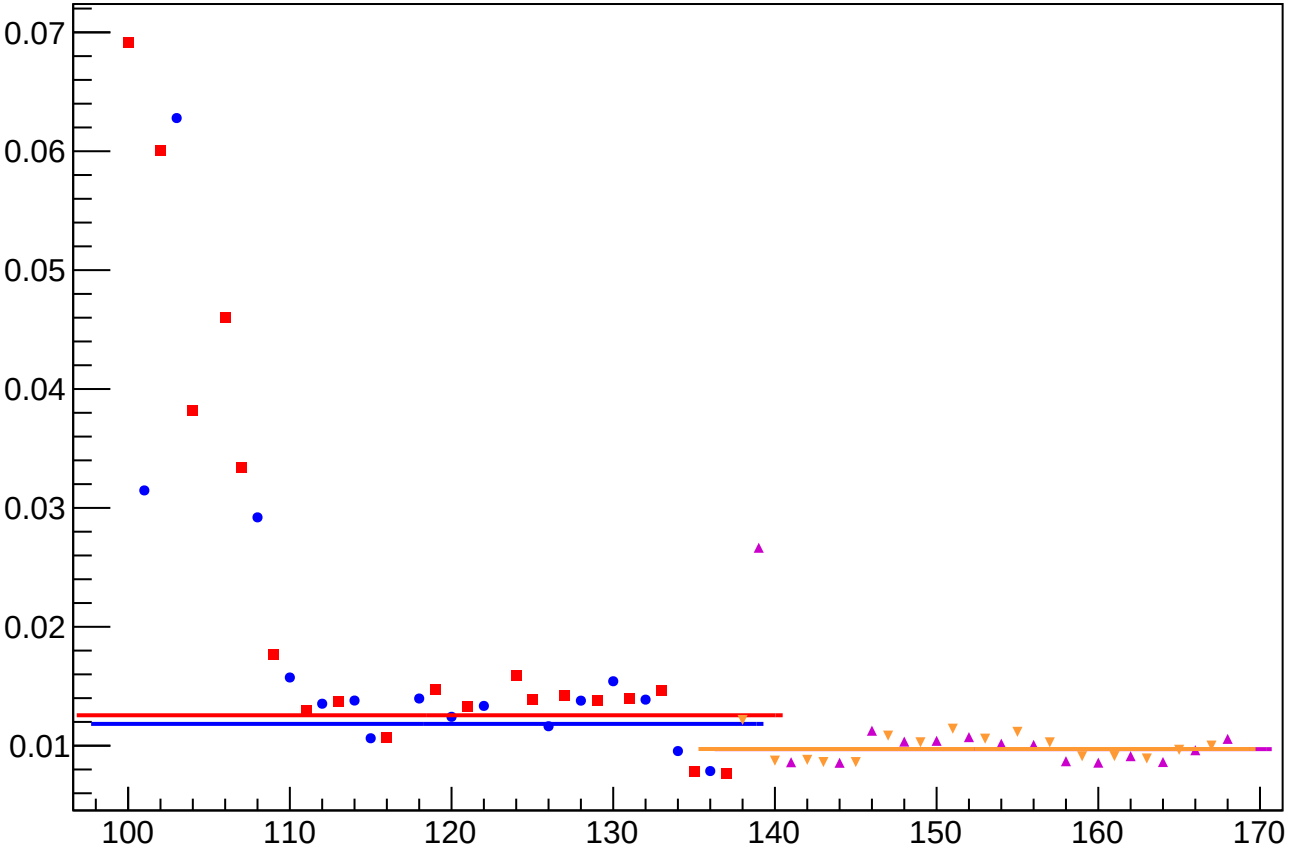
In: 0.009+/-0.000 χ^2/NDF:2387485.3/30

Out: 0.009+/-0.000 χ^2/NDF:2547463.3/34

All: 0.009+/-0.000 χ^2/NDF: 4939732.5/65


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
170
Right In: -0.253+/-0.000 χ²/NDF: 2025242410.1/15
Left Out: 0.011+/-0.000 χ²/NDF:23090514.3/15
Right Out: -0.231+/-0.000 χ²/NDF: 1808702536.0/18
Left In: 0.014+/-0.000 χ²/NDF:6477907.7/14
Left: 0.013+/-0.000 χ²/NDF: 29946544.3/30
Right: -0.243+/-0.000 χ²/NDF: 3842049612.8/34
In: -0.052+/-0.000 χ²/NDF:3932778768.5/30
Out: -0.043+/-0.000 χ²/NDF:3278885483.9/34
All: -0.048+/-0.000 χ²/NDF: 7218149981.2/6

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:223287.6/15

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:856272.2/14

Left: 0.010+/-0.000 χ^2/NDF: 1079574.0/30

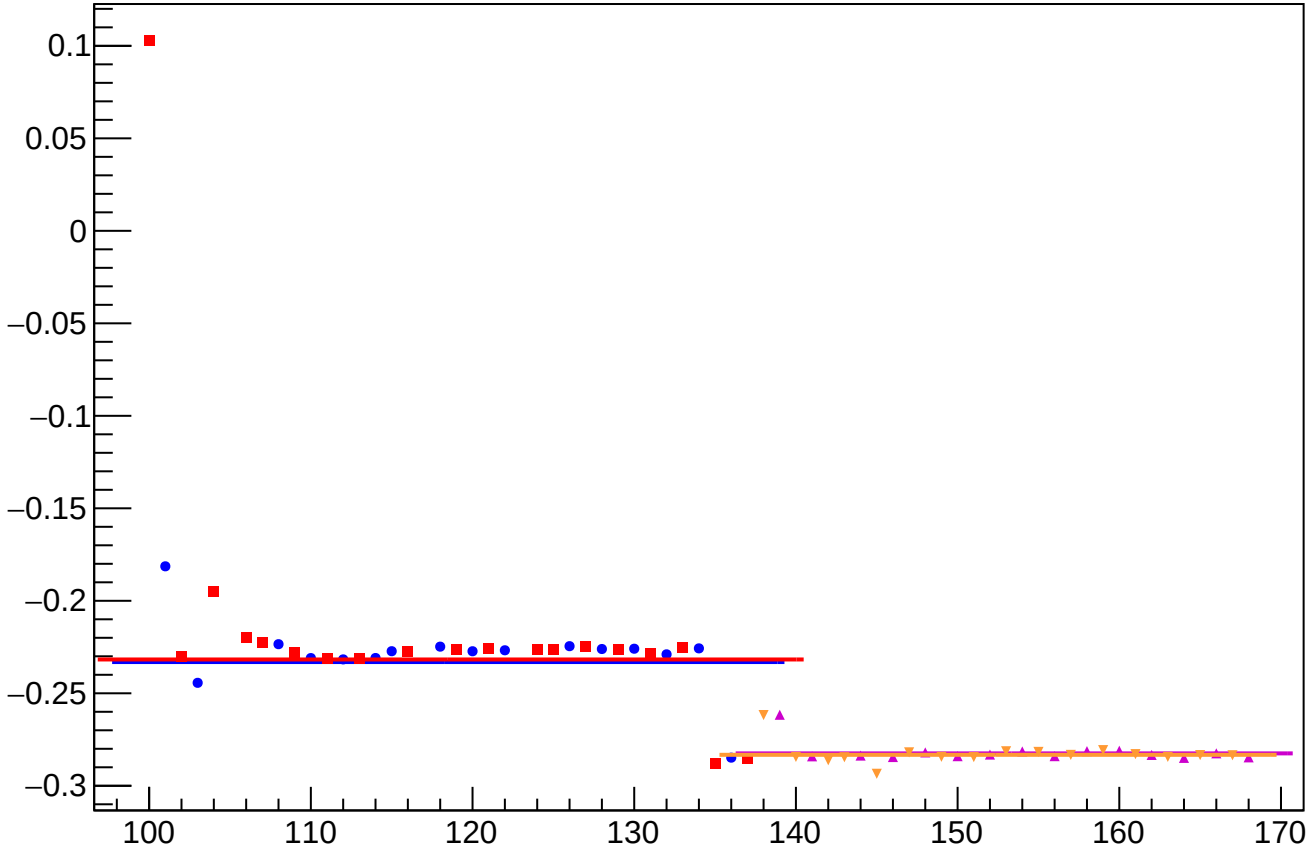
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3039594.0/30

Out: 0.010+/-0.000 χ^2/NDF:2837970.0/34

All: 0.010+/-0.000 χ^2/NDF: 5879538.3/65

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:15016093.4/15

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6599543.9/14

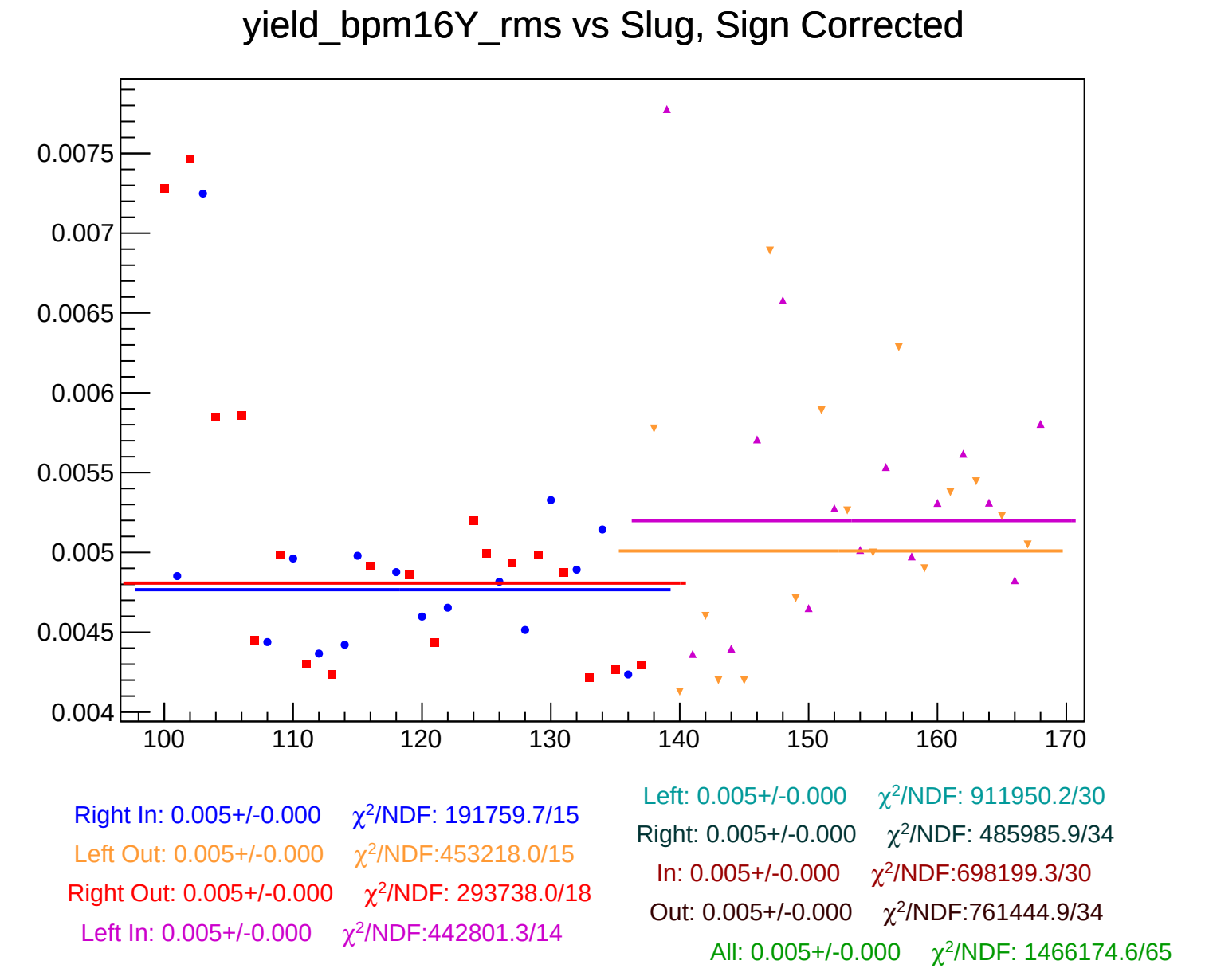
Left: -0.283+/-0.000 χ^2/NDF: 21747764.8/30

Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

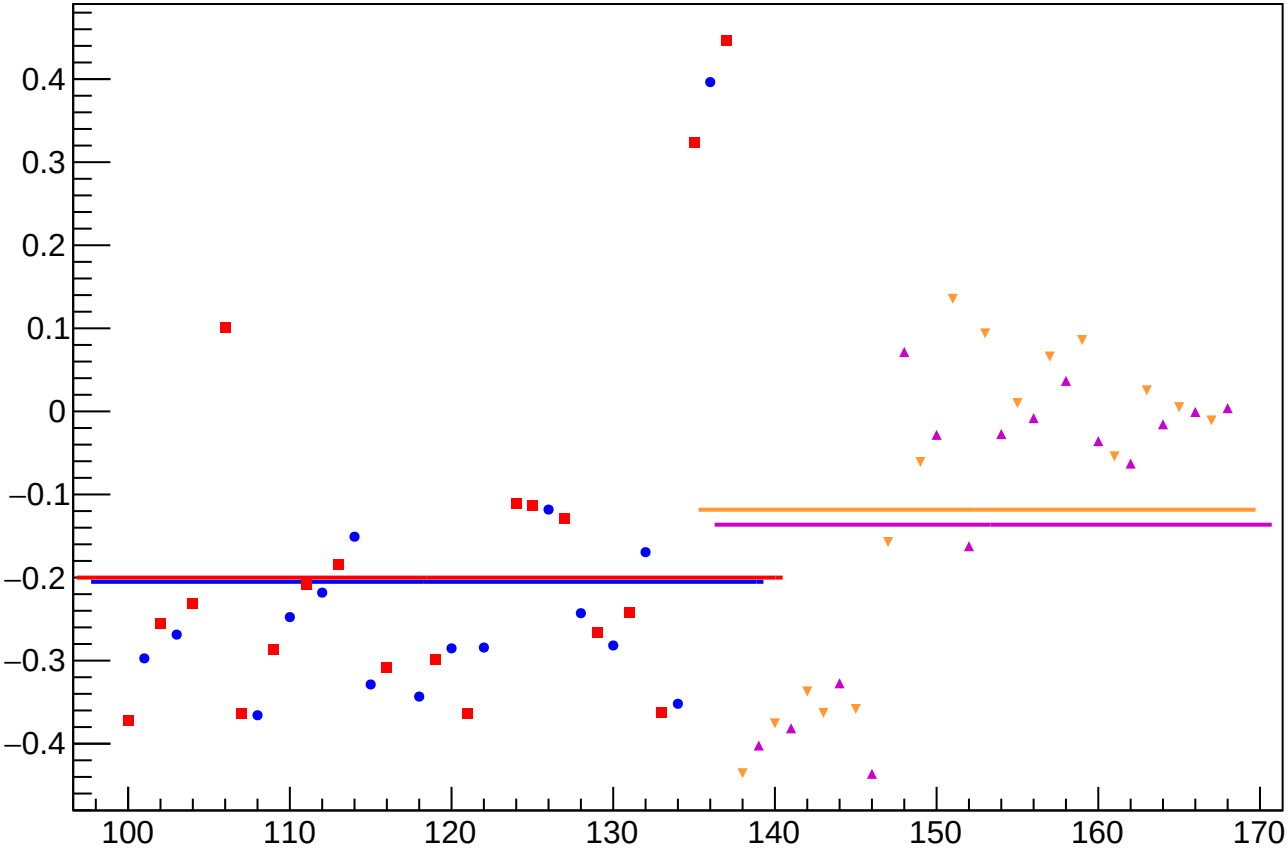
In: -0.263+/-0.000 χ^2/NDF:620664798.0/30

Out: -0.263+/-0.000 χ^2/NDF:775747850.2/34

All: -0.263+/-0.000 χ^2/NDF: 1396554891.1/6


yield_bpm16Y_rms vs Slug, Sign Corrected
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:453218.0/15
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:442801.3/14
Left: 0.005+/-0.000 χ²/NDF: 911950.2/30
Right: 0.005+/-0.000 χ²/NDF: 485985.9/34
In: 0.005+/-0.000 χ²/NDF:698199.3/30
Out: 0.005+/-0.000 χ²/NDF:761444.9/34
All: 0.005+/-0.000 χ²/NDF: 1466174.6/65

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.118+/-0.000 χ^2/NDF:15083258668.6/15

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.136+/-0.000 χ^2/NDF:10763730675.5/14

Left: -0.127+/-0.000 χ^2/NDF: 25907112659.2/30

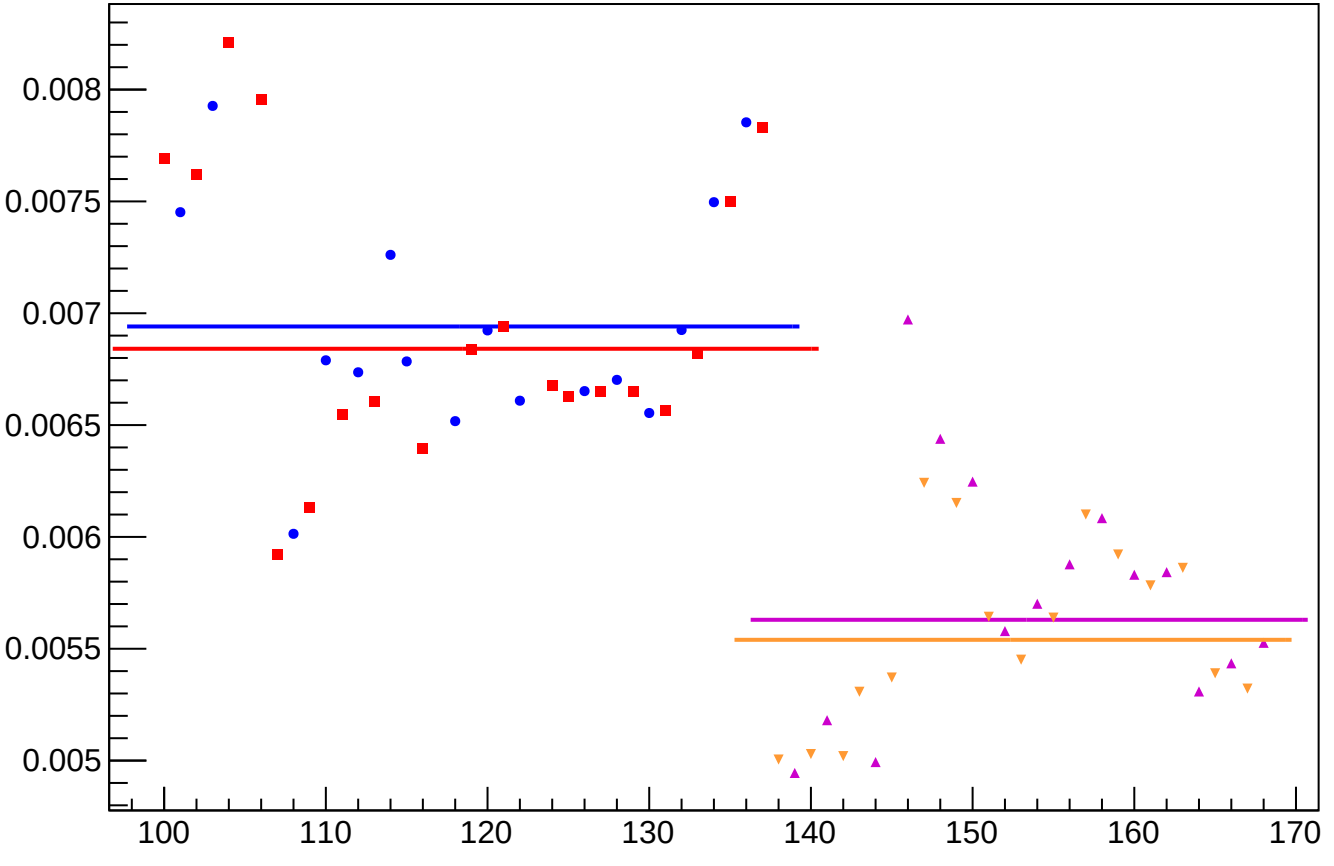
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.156+/-0.000 χ^2/NDF:17445156020.3/30

Out: -0.142+/-0.000 χ^2/NDF:21066761662.6/34

All: -0.149+/-0.000 χ^2/NDF: 38565420276.4/

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:112458.9/15

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:185801.1/14

Left: 0.006+/-0.000 χ^2/NDF: 301242.3/30

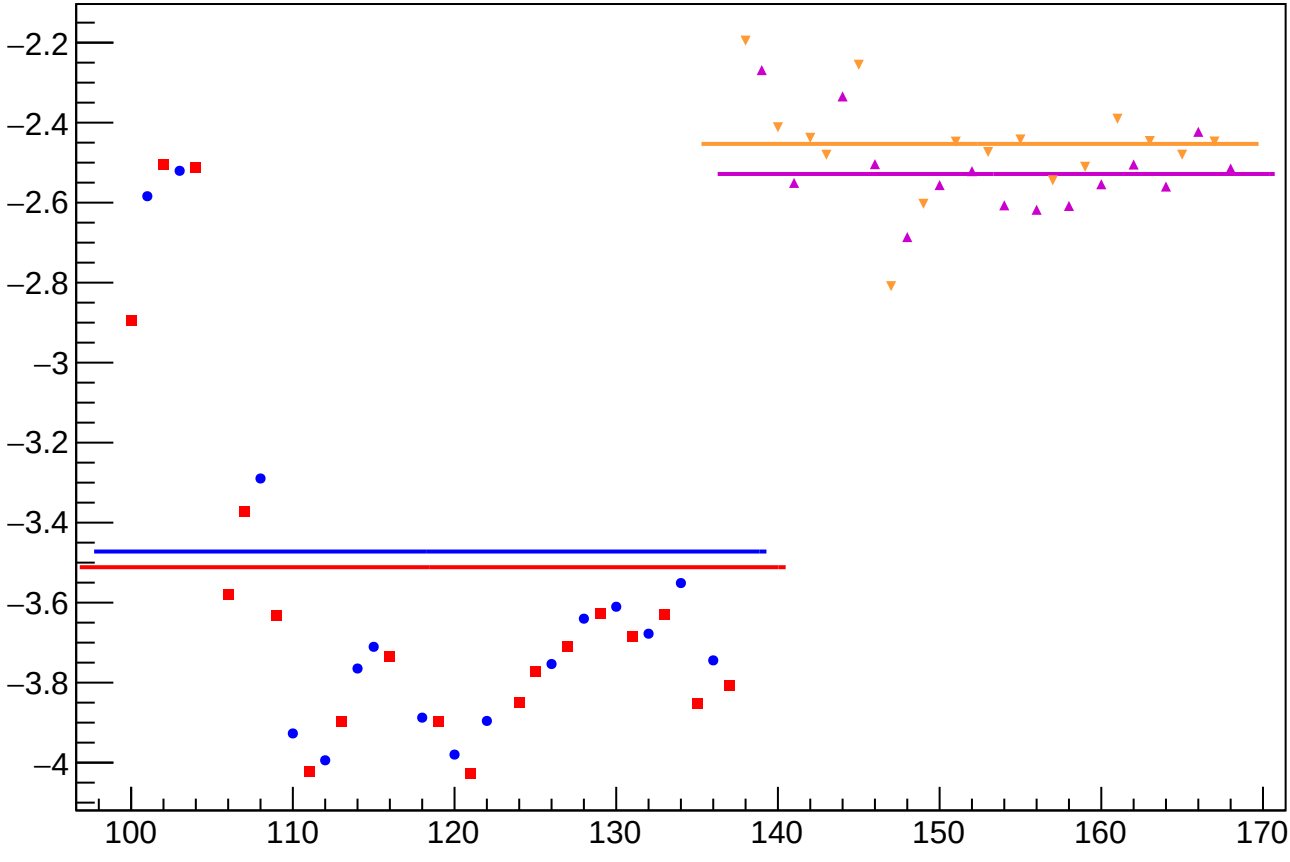
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:628760.1/30

Out: 0.006+/-0.000 χ^2/NDF:584518.2/34

All: 0.006+/-0.000 χ^2/NDF: 1217820.0/65

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.453+/-0.000 χ^2/NDF:1630804982.5/15

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.528+/-0.000 χ^2/NDF:1393051147.9/14

Left: -2.490+/-0.000 χ^2/NDF: 3460634192.4/30

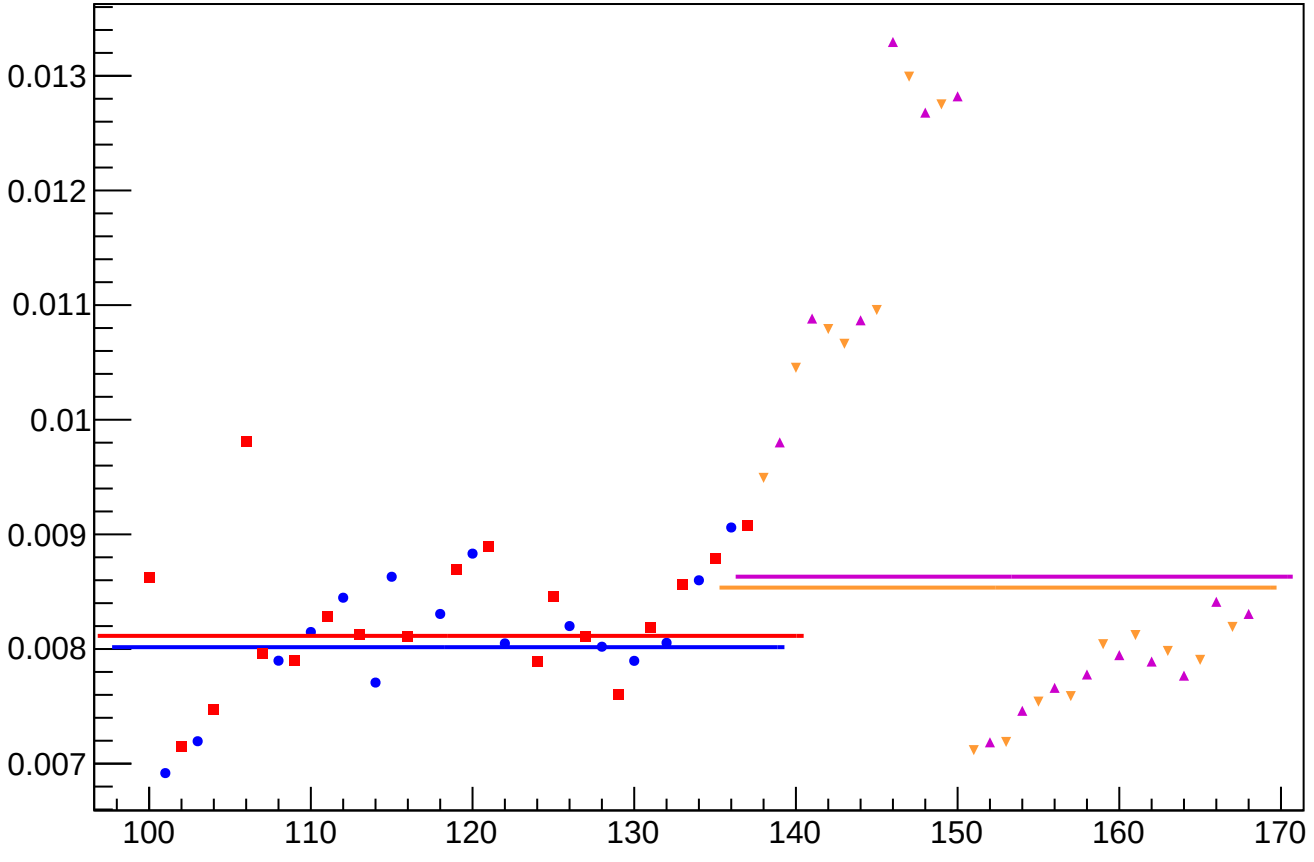
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.923+/-0.000 χ^2/NDF:87356069738.9/30

Out: -2.884+/-0.000 χ^2/NDF:103141478825.0/34

All: -2.903+/-0.000 χ^2/NDF: 190702359794.9

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:746322.8/15

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:848366.2/14

Left: 0.009+/-0.000 χ^2/NDF: 1596091.2/30

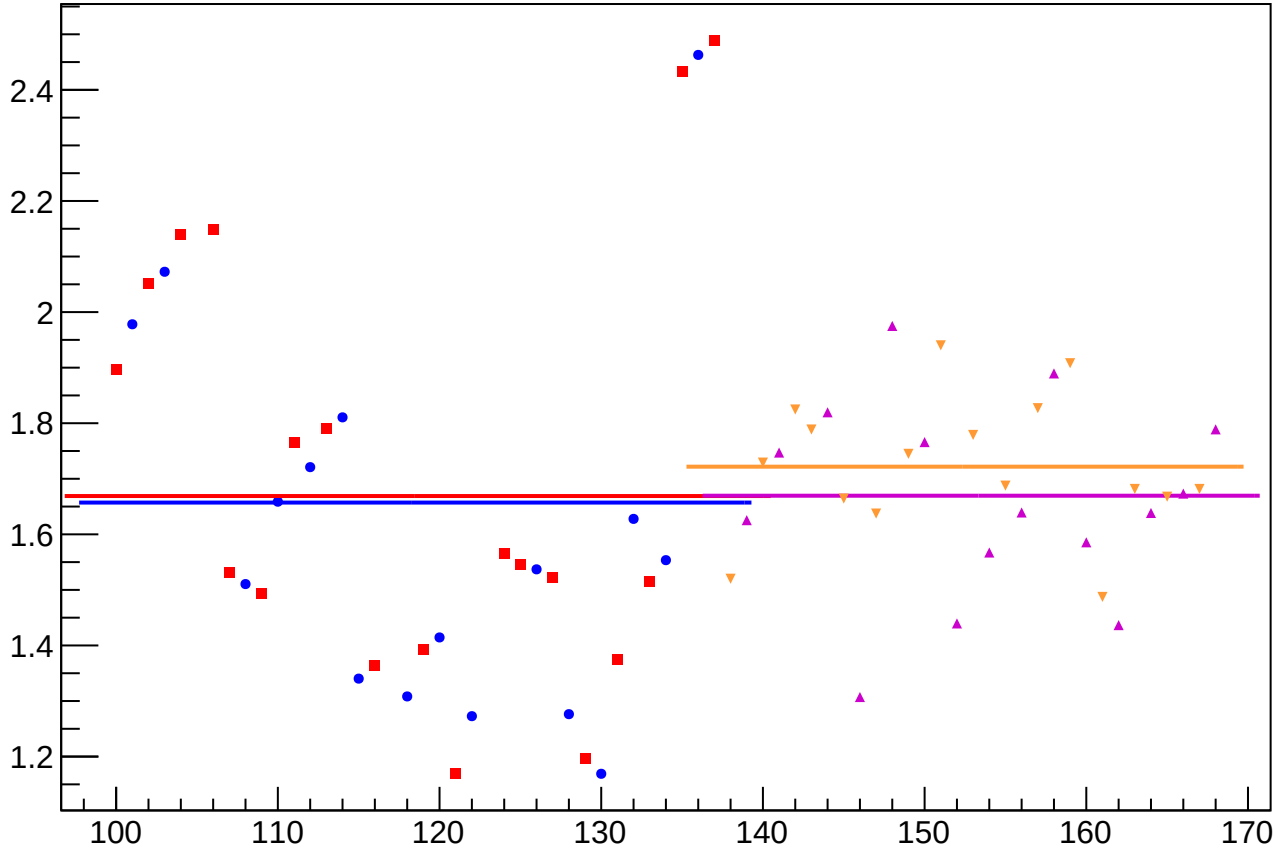
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982462.1/30

Out: 0.008+/-0.000 χ^2/NDF:840128.7/34

All: 0.008+/-0.000 χ^2/NDF: 1822614.2/65

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.722+/-0.000 χ^2/NDF:1314618229.5/15

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.670+/-0.000 χ^2/NDF:2254789980.2/14

Left: 1.697+/-0.000 χ^2/NDF: 3689181081.2/30

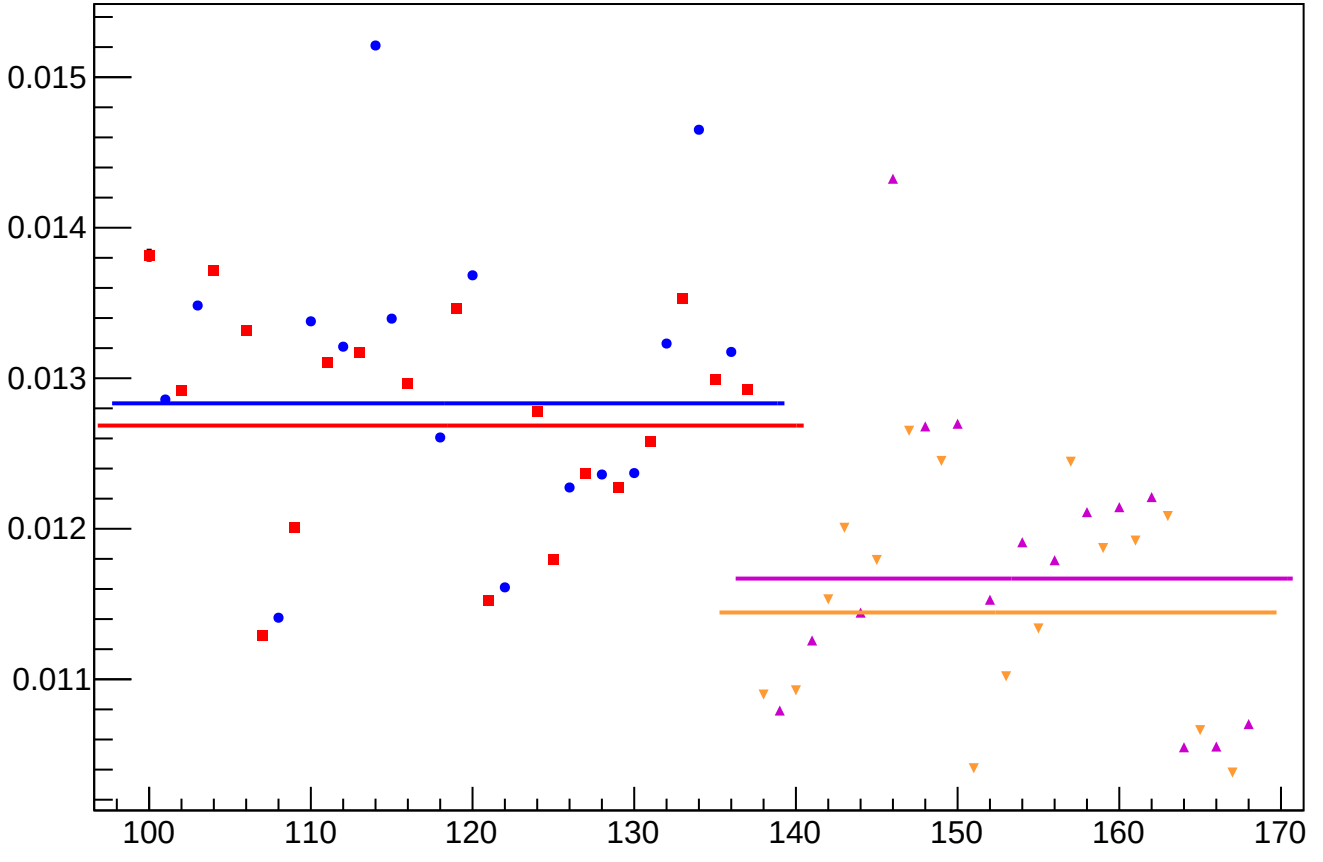
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.665+/-0.000 χ^2/NDF:8925265501.8/30

Out: 1.704+/-0.000 χ^2/NDF:7755985237.5/34

All: 1.685+/-0.000 χ^2/NDF: 16780681251.0/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:95450.2/15

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:136304.8/14

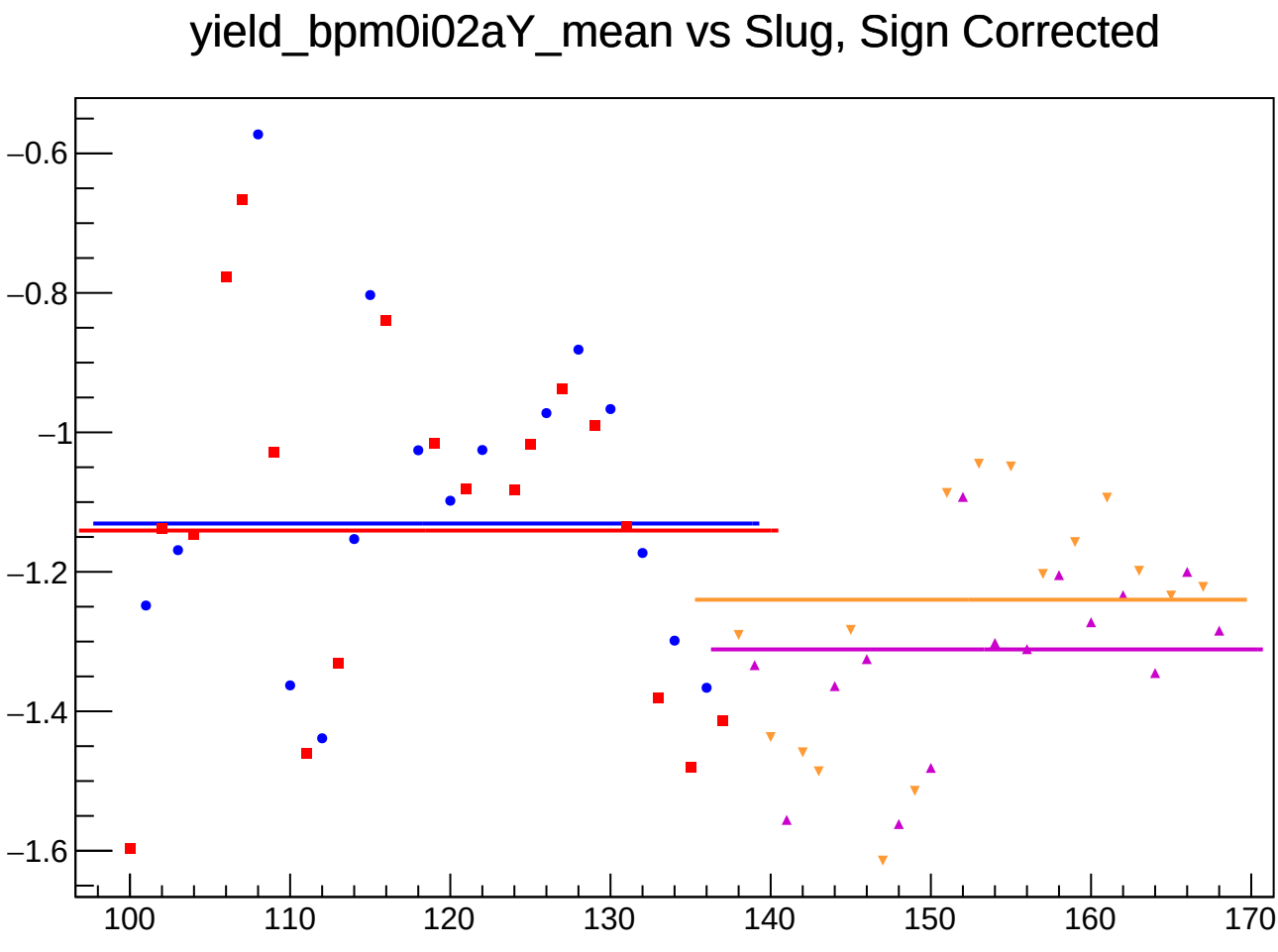
Left: 0.012+/-0.000 χ^2/NDF: 236200.1/30

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

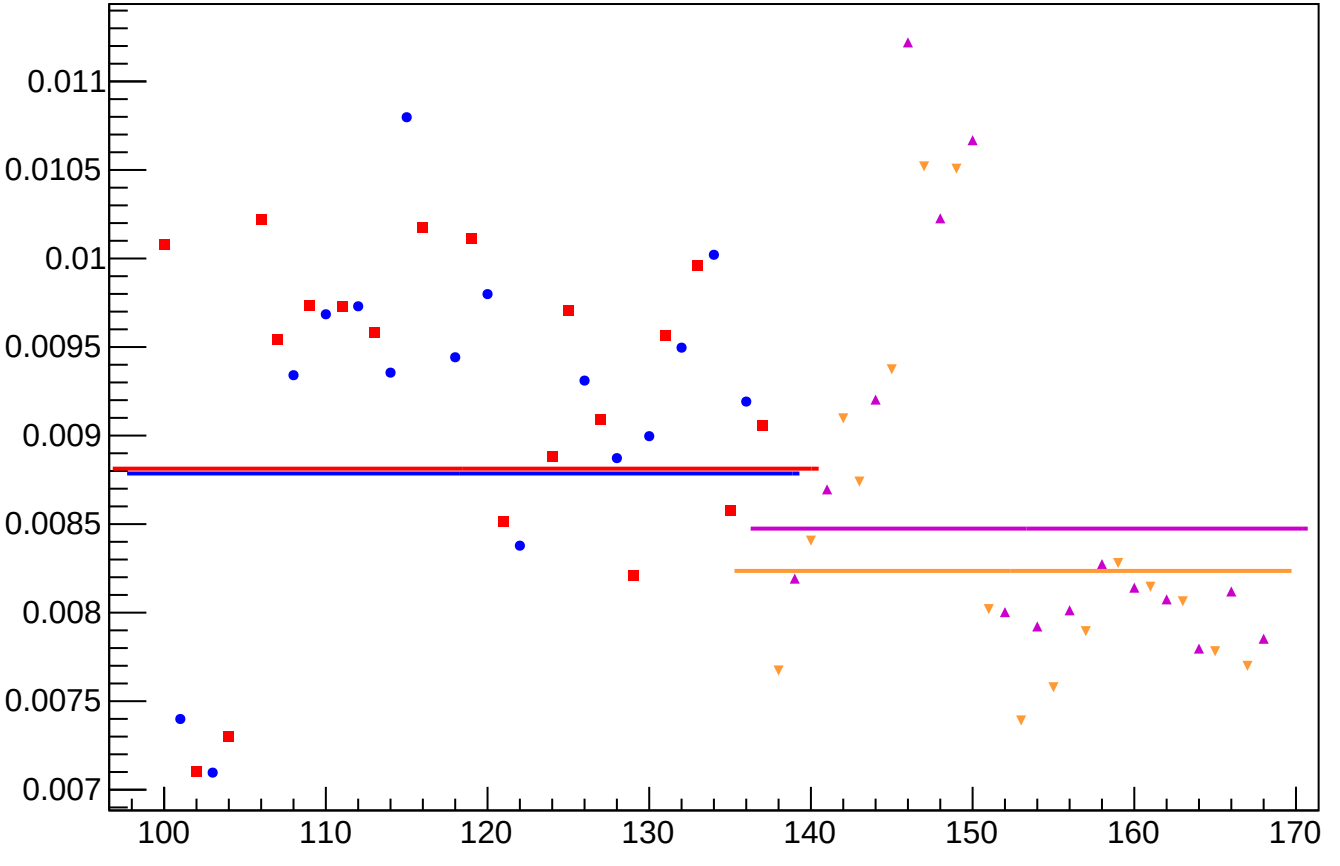
In: 0.012+/-0.000 χ^2/NDF:265734.8/30

Out: 0.012+/-0.000 χ^2/NDF:231241.3/34

All: 0.012+/-0.000 χ^2/NDF: 502408.6/65


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.240+/-0.000 χ²/NDF:4379605424.1/15
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.311+/-0.000 χ²/NDF:2274519128.7/14
Left: -1.274+/-0.000 χ²/NDF: 7072417569.7/30
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.247+/-0.000 χ²/NDF:7921230897.3/30
Out: -1.206+/-0.000 χ²/NDF:8500571361.2/34
All: -1.226+/-0.000 χ²/NDF: 16632550907.5/

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:220702.1/15

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:251467.7/14

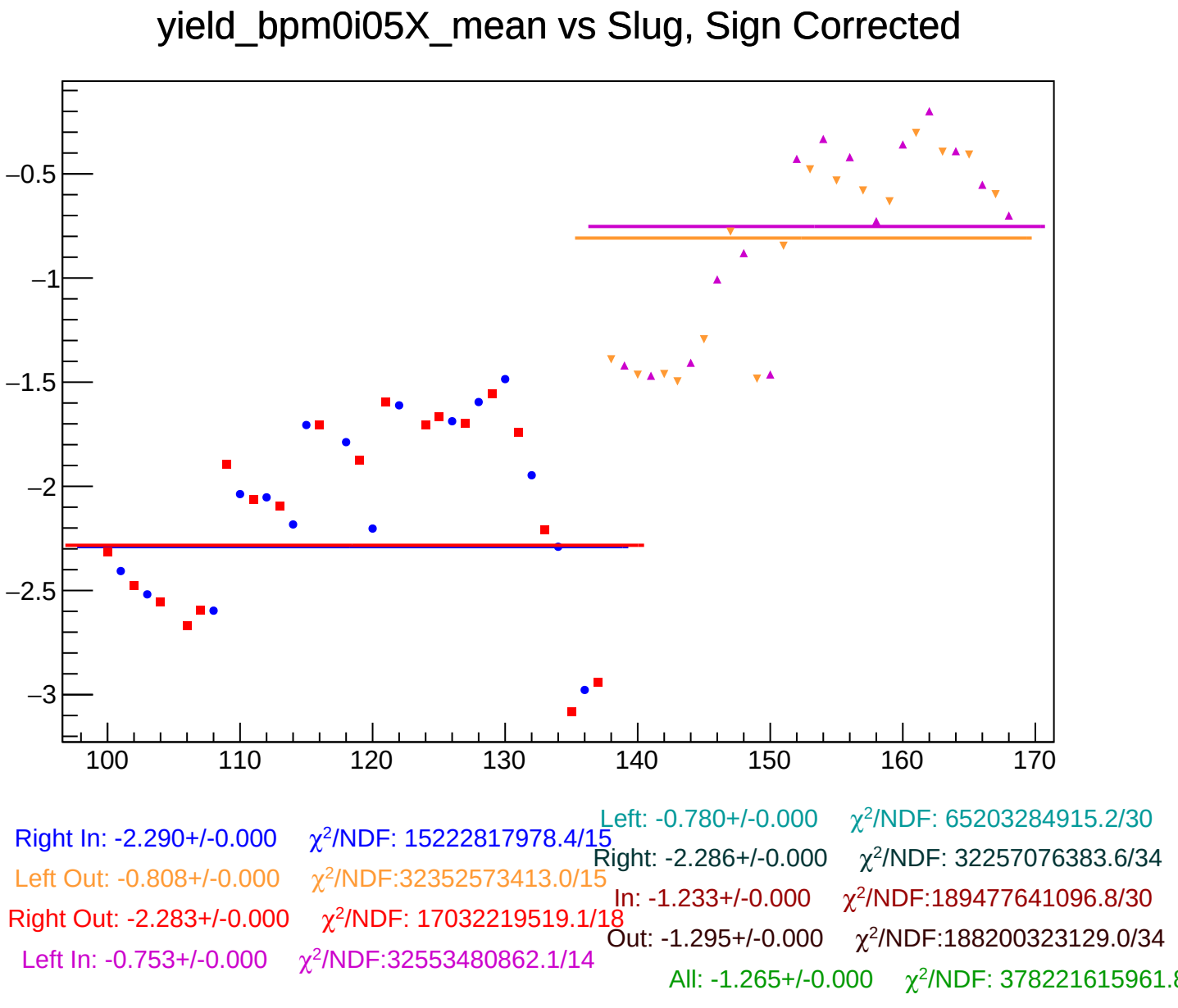
Left: 0.008+/-0.000 χ^2/NDF: 481558.4/30

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

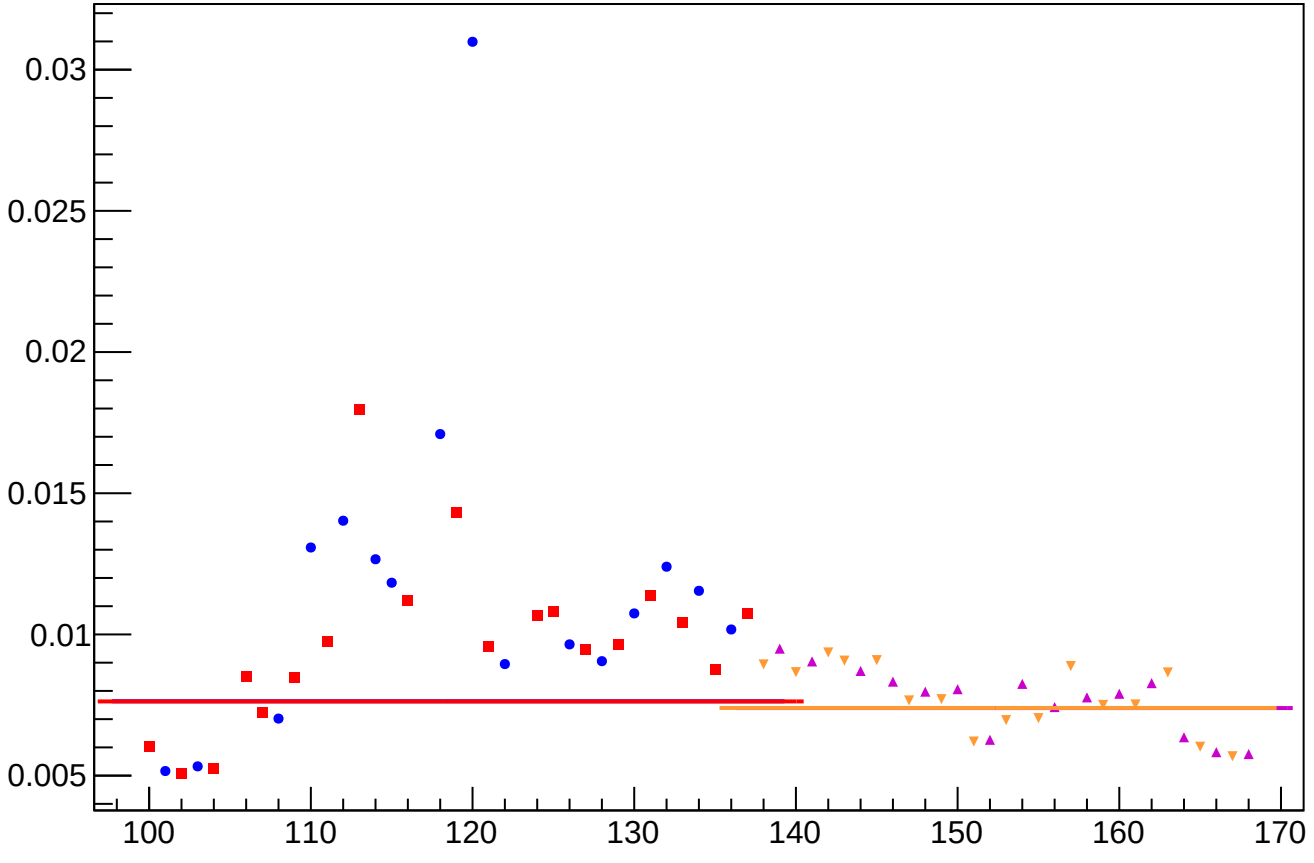
In: 0.009+/-0.000 χ^2/NDF:435984.5/30

Out: 0.008+/-0.000 χ^2/NDF:464234.7/34

All: 0.009+/-0.000 χ^2/NDF: 906061.6/65


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.808+/-0.000 χ²/NDF:32352573413.0/15
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.753+/-0.000 χ²/NDF:32553480862.1/14
Left: -0.780+/-0.000 χ²/NDF: 65203284915.2/30
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.233+/-0.000 χ²/NDF:189477641096.8/30
Out: -1.295+/-0.000 χ²/NDF:188200323129.0/34
All: -1.265+/-0.000 χ²/NDF: 378221615961.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:534096.8/15

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:530017.4/14

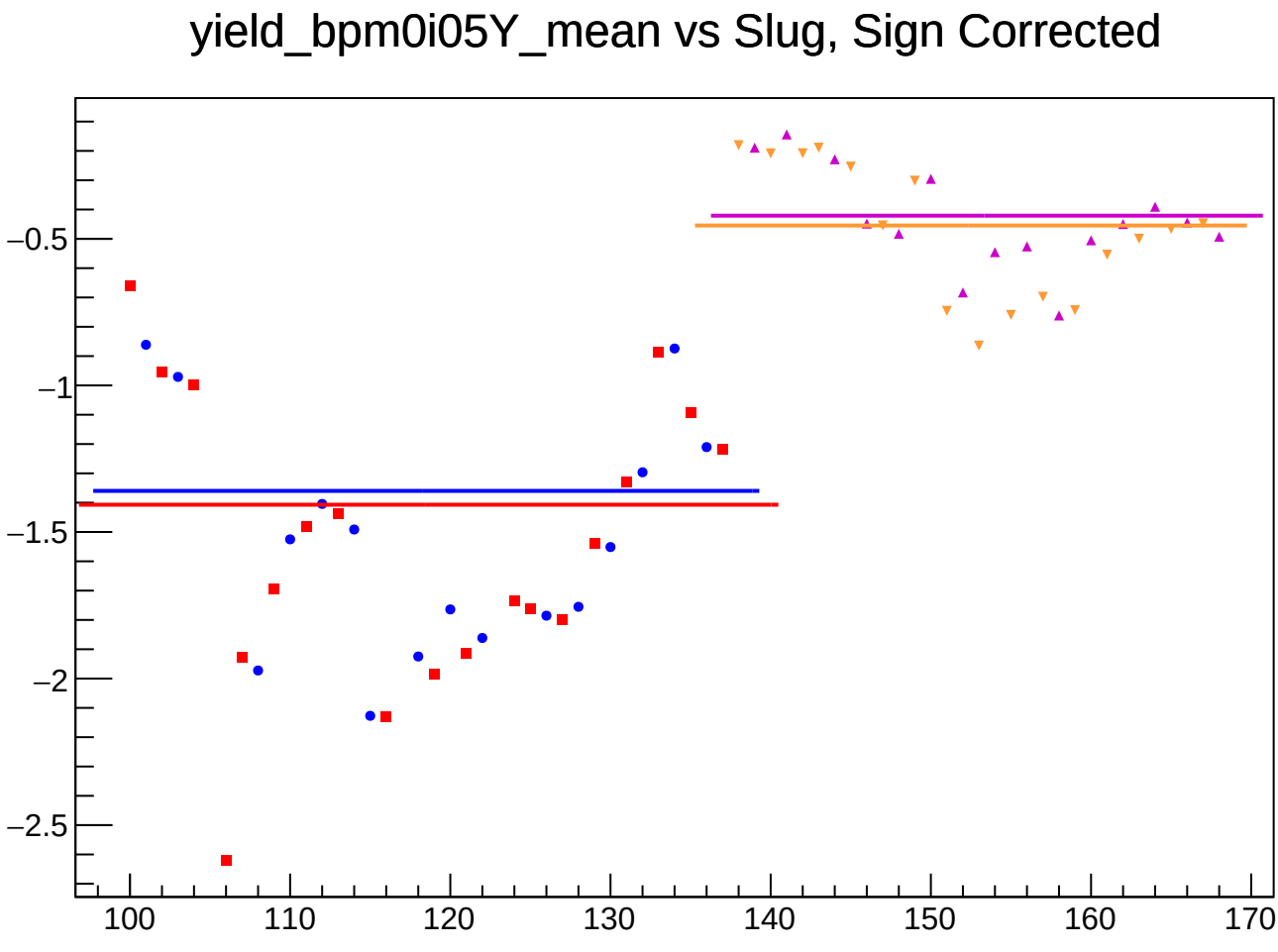
Left: 0.007+/-0.000 χ^2/NDF: 1064117.0/30

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

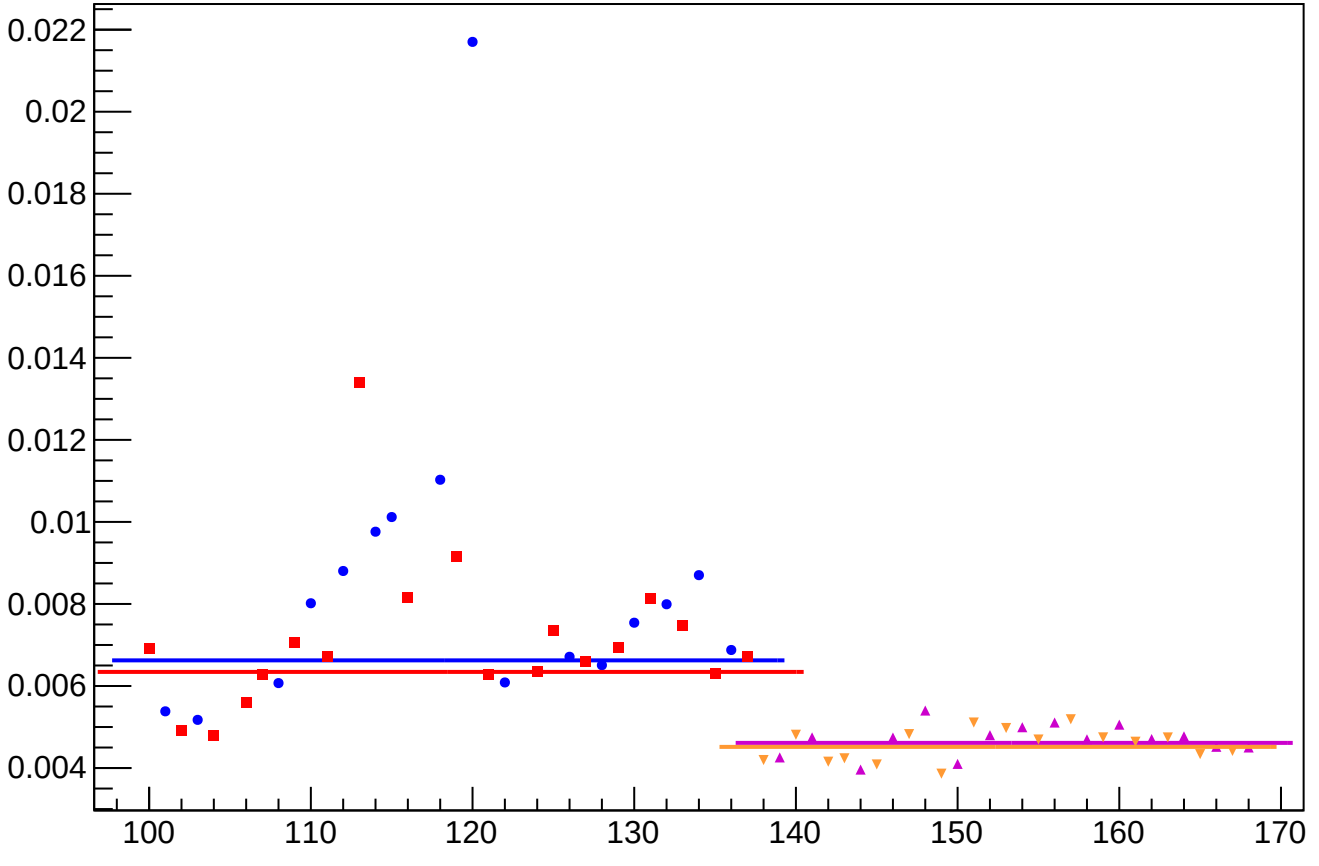
In: 0.007+/-0.000 χ^2/NDF:2247736.1/30

Out: 0.007+/-0.000 χ^2/NDF:1858656.1/34

All: 0.007+/-0.000 χ^2/NDF: 4106399.4/65


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.455+/-0.000 χ²/NDF:27896143681.1/15
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.421+/-0.000 χ²/NDF:15747319954.9/14
Left: -0.438+/-0.000 χ²/NDF: 43945017444.6/30
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.611+/-0.000 χ²/NDF:129936885423.1/30
Out: -0.660+/-0.000 χ²/NDF:165875503507.7/34
All: -0.637+/-0.000 χ²/NDF: 296626195012.5

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:157853.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:150631.6/14

Left: 0.005+/-0.000 χ^2/NDF: 313575.9/30

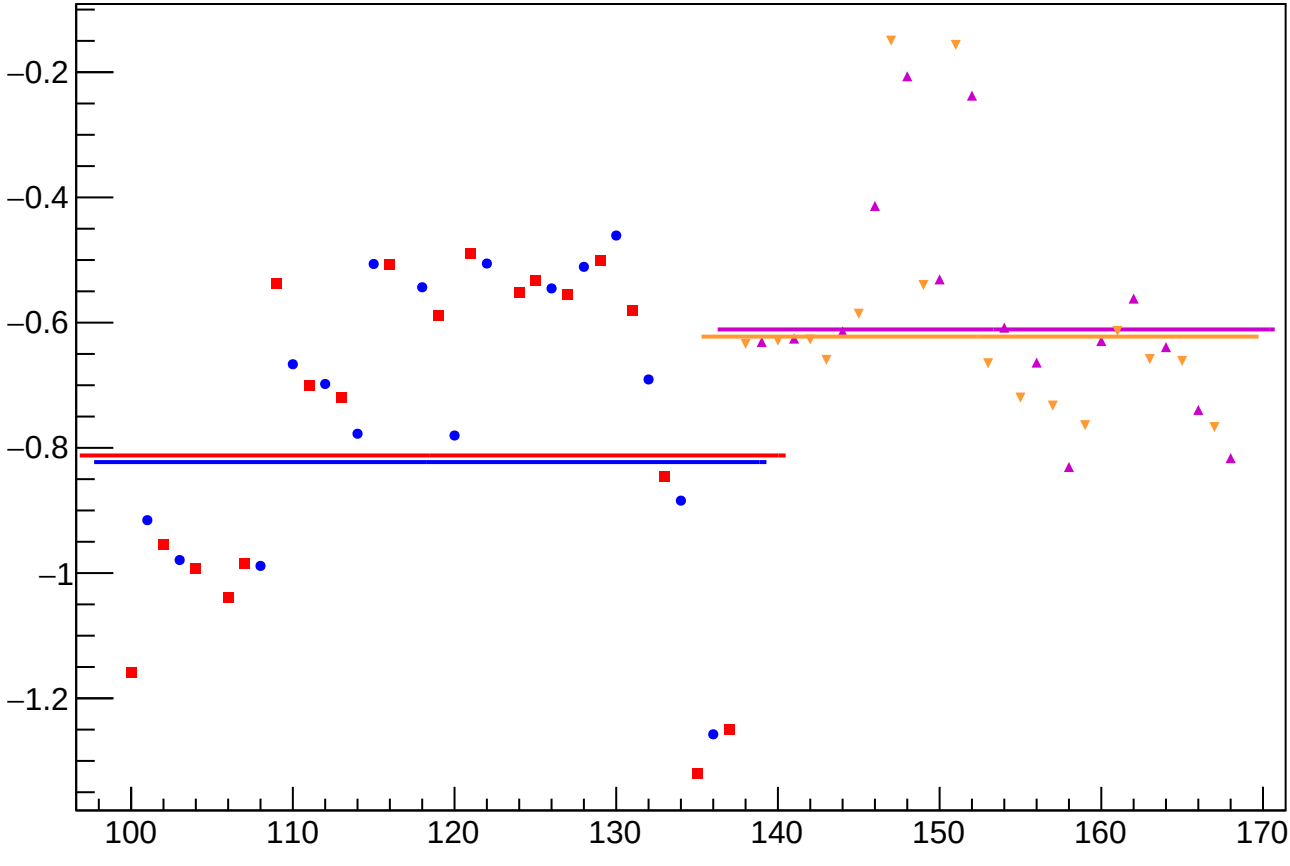
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1695654.8/30

Out: 0.005+/-0.000 χ^2/NDF:1483677.7/34

All: 0.005+/-0.000 χ^2/NDF: 3187577.2/65

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.622+/-0.000 χ^2/NDF:16145928921.2/15

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.611+/-0.000 χ^2/NDF:17314373792.6/14

Left: -0.617+/-0.000 χ^2/NDF: 33494079931.7/30

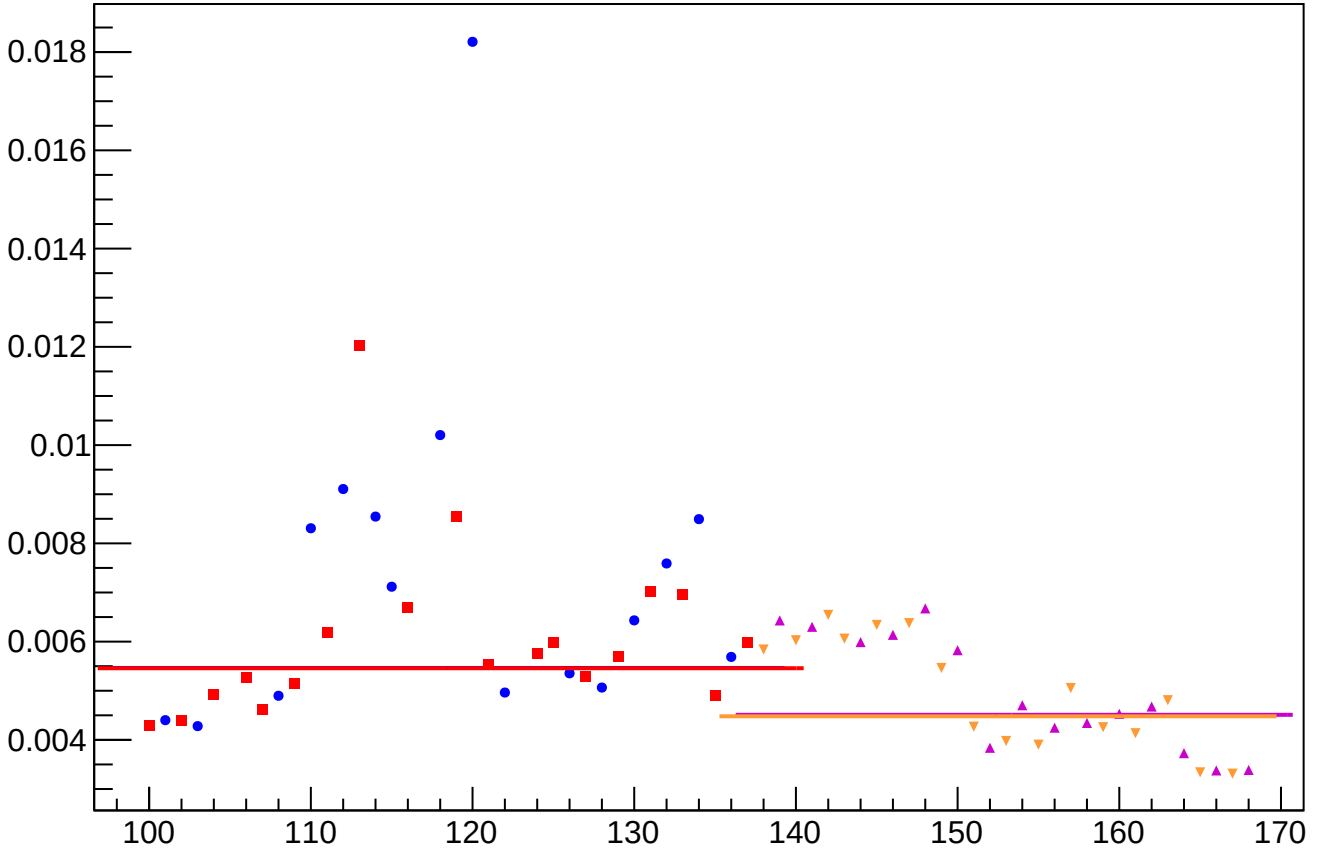
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.667+/-0.000 χ^2/NDF:35628704759.5/30

Out: -0.675+/-0.000 χ^2/NDF:36213885781.7/34

All: -0.671+/-0.000 χ^2/NDF: 71865967581.7/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1065294.1/15

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:1122947.1/14

Left: 0.004+/-0.000 χ^2/NDF: 2188703.3/30

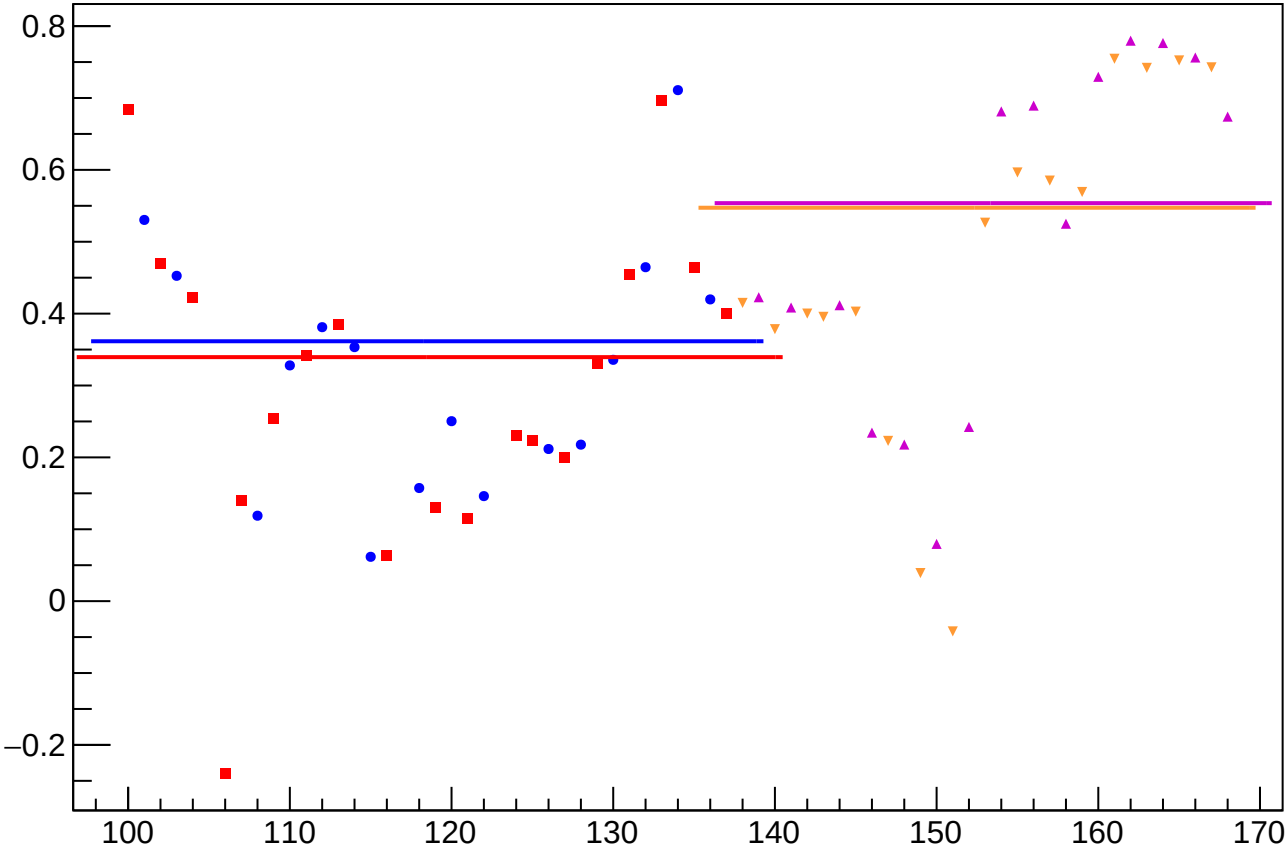
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:2330887.6/30

Out: 0.005+/-0.000 χ^2/NDF:1851426.5/34

All: 0.005+/-0.000 χ^2/NDF: 4182389.0/65

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.547+/-0.000 χ^2/NDF:37583202816.3/15

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.554+/-0.000 χ^2/NDF:32144638857.8/14

Left: 0.550+/-0.000 χ^2/NDF: 69742884724.1/30

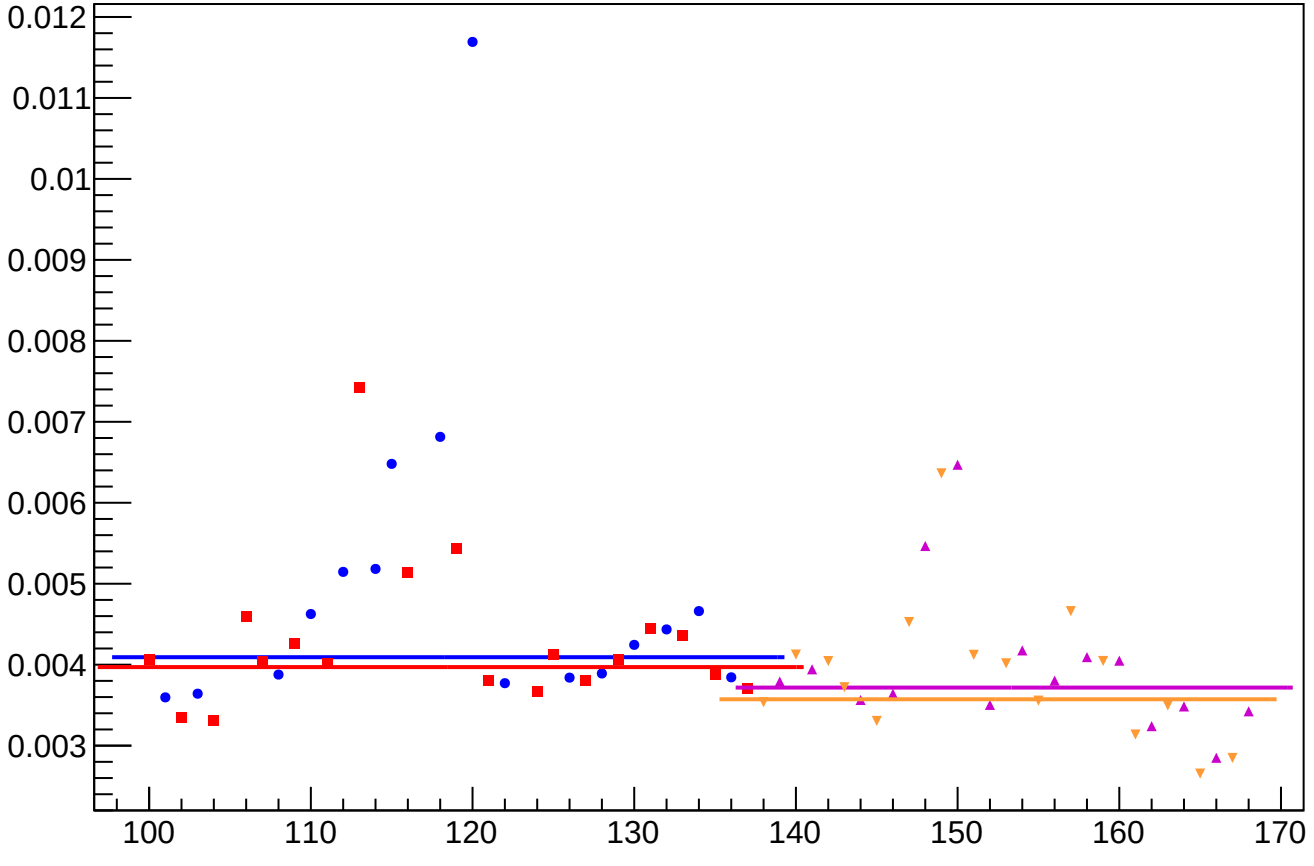
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.488+/-0.000 χ^2/NDF:49823370138.1/30

Out: 0.475+/-0.000 χ^2/NDF:61133380133.5/34

All: 0.481+/-0.000 χ^2/NDF: 111050653265.5

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:738635.1/15

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:583004.7/14

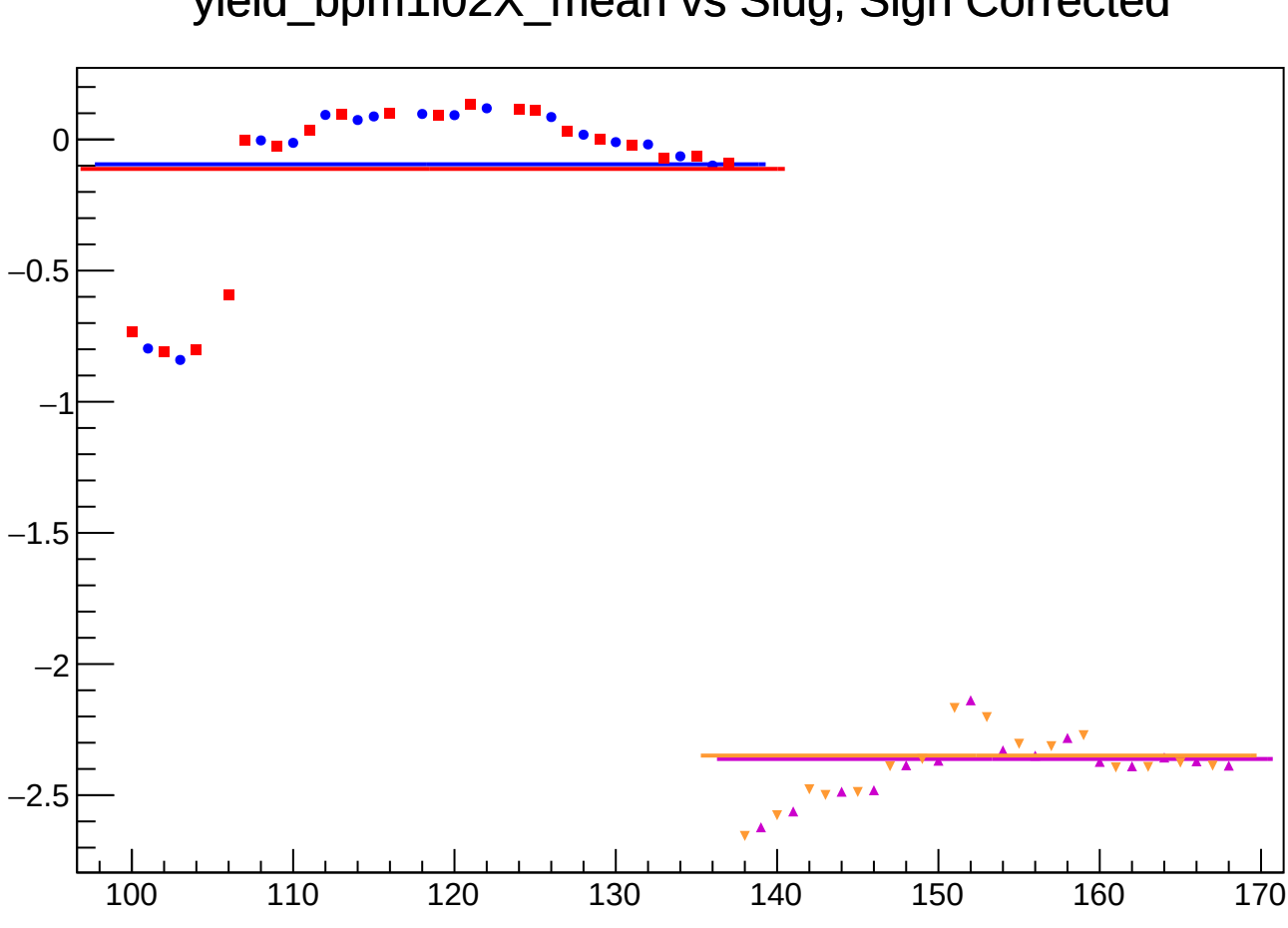
Left: 0.004+/-0.000 χ^2/NDF: 1337001.2/30

Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

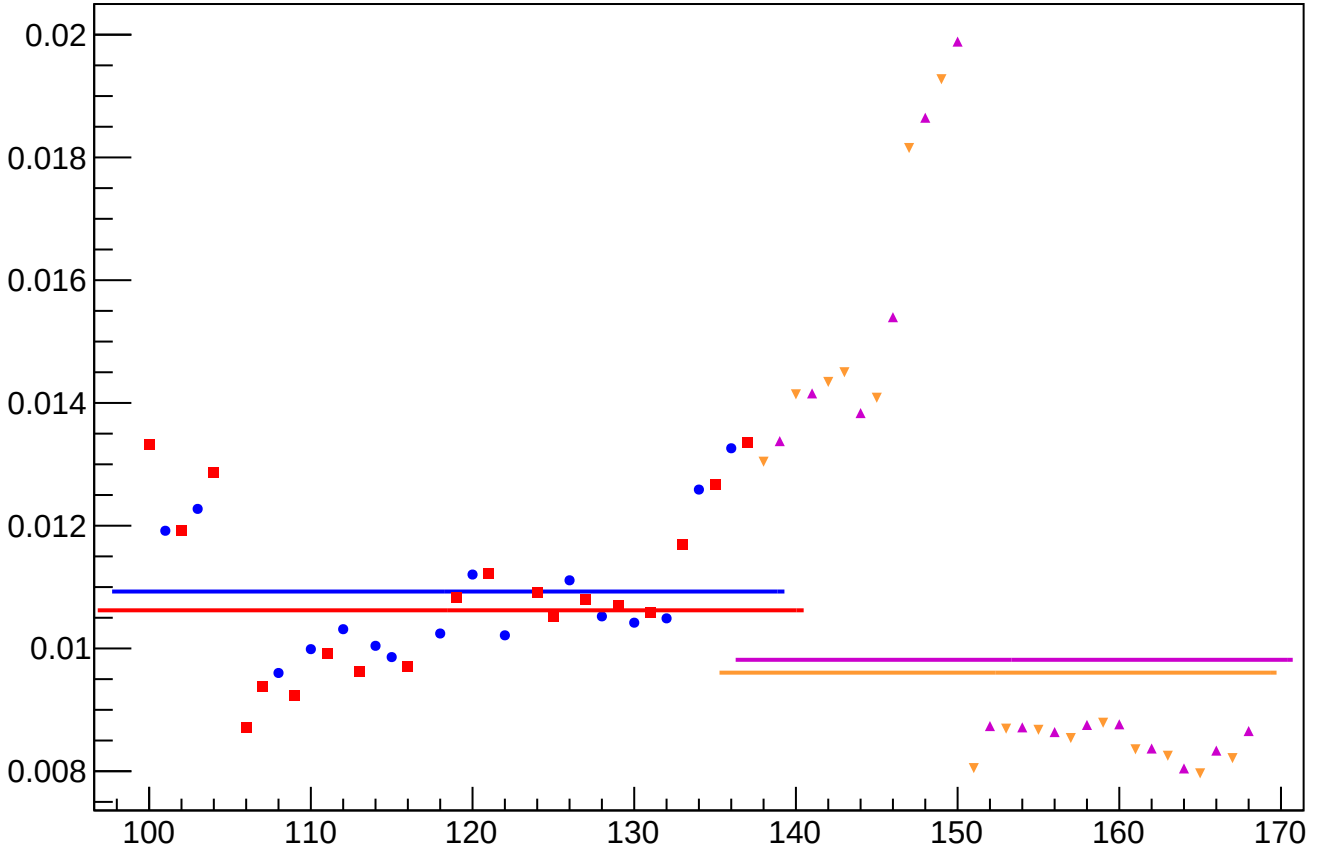
In: 0.004+/-0.000 χ^2/NDF:1142688.3/30

Out: 0.004+/-0.000 χ^2/NDF:1136386.2/34

All: 0.004+/-0.000 χ^2/NDF: 2299372.4/65


yield_bpm1i02X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -0.095+/-0.000 χ²/NDF: 5489721985.1/15
Left Out: -2.349+/-0.000 χ²/NDF:1671818904.0/15
Right Out: -0.112+/-0.000 χ²/NDF: 6190163375.6/18
Left In: -2.362+/-0.000 χ²/NDF:1291211906.3/14
Left: -2.355+/-0.000 χ²/NDF: 2973194923.9/30
Right: -0.104+/-0.000 χ²/NDF: 11689577002.2/34
In: -1.603+/-0.000 χ²/NDF:210714006954.1/30
Out: -1.584+/-0.000 χ²/NDF:222922095368.4/34
All: -1.593+/-0.000 χ²/NDF: 433668997125.5

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:1821152.7/15

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1809665.9/14

Left: 0.010+/-0.000 χ^2/NDF: 3636166.6/30

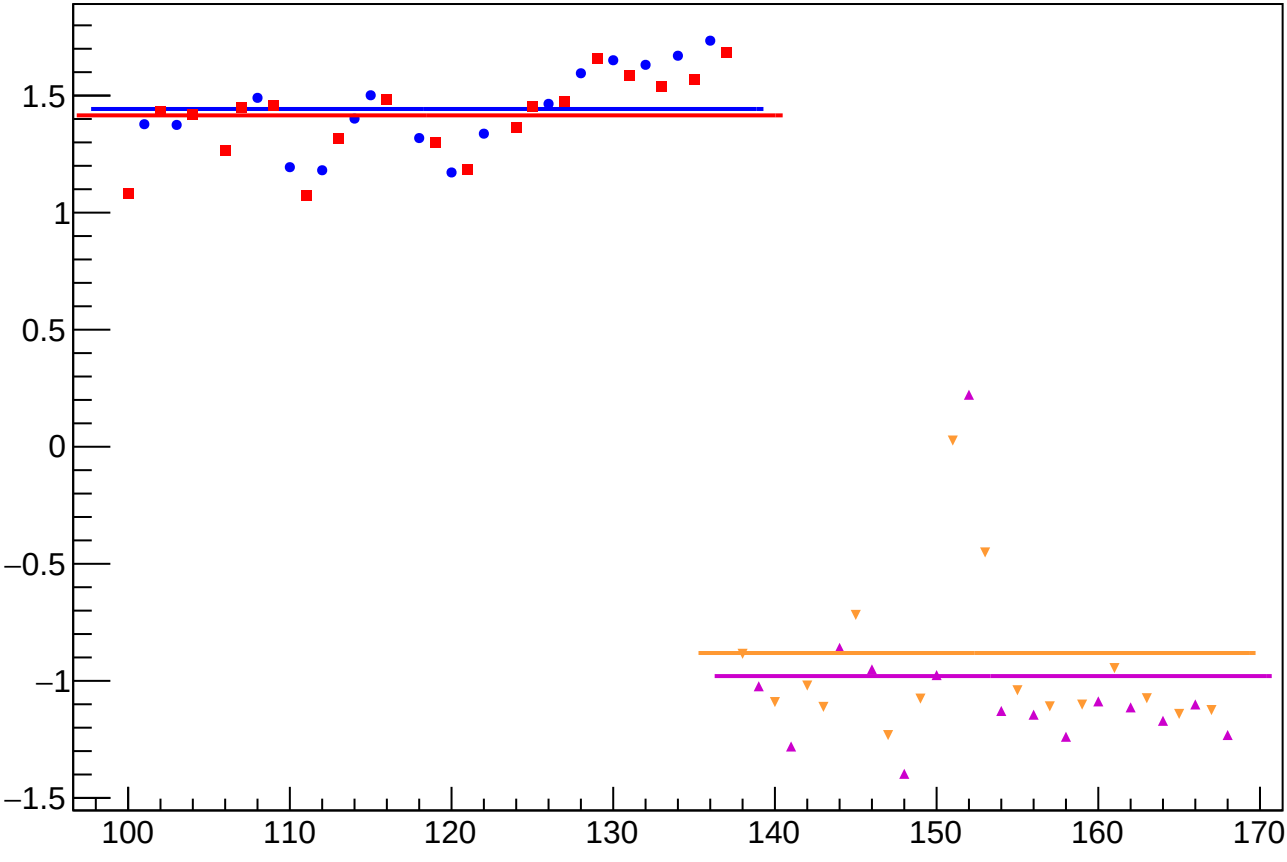
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2044322.2/30

Out: 0.010+/-0.000 χ^2/NDF:2100370.9/34

All: 0.010+/-0.000 χ^2/NDF: 4154823.2/65

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.881+/-0.000 χ^2/NDF:30199124857.0/15

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.980+/-0.000 χ^2/NDF:40986868132.2/14

Left: -0.930+/-0.000 χ^2/NDF: 72219652809.4/30

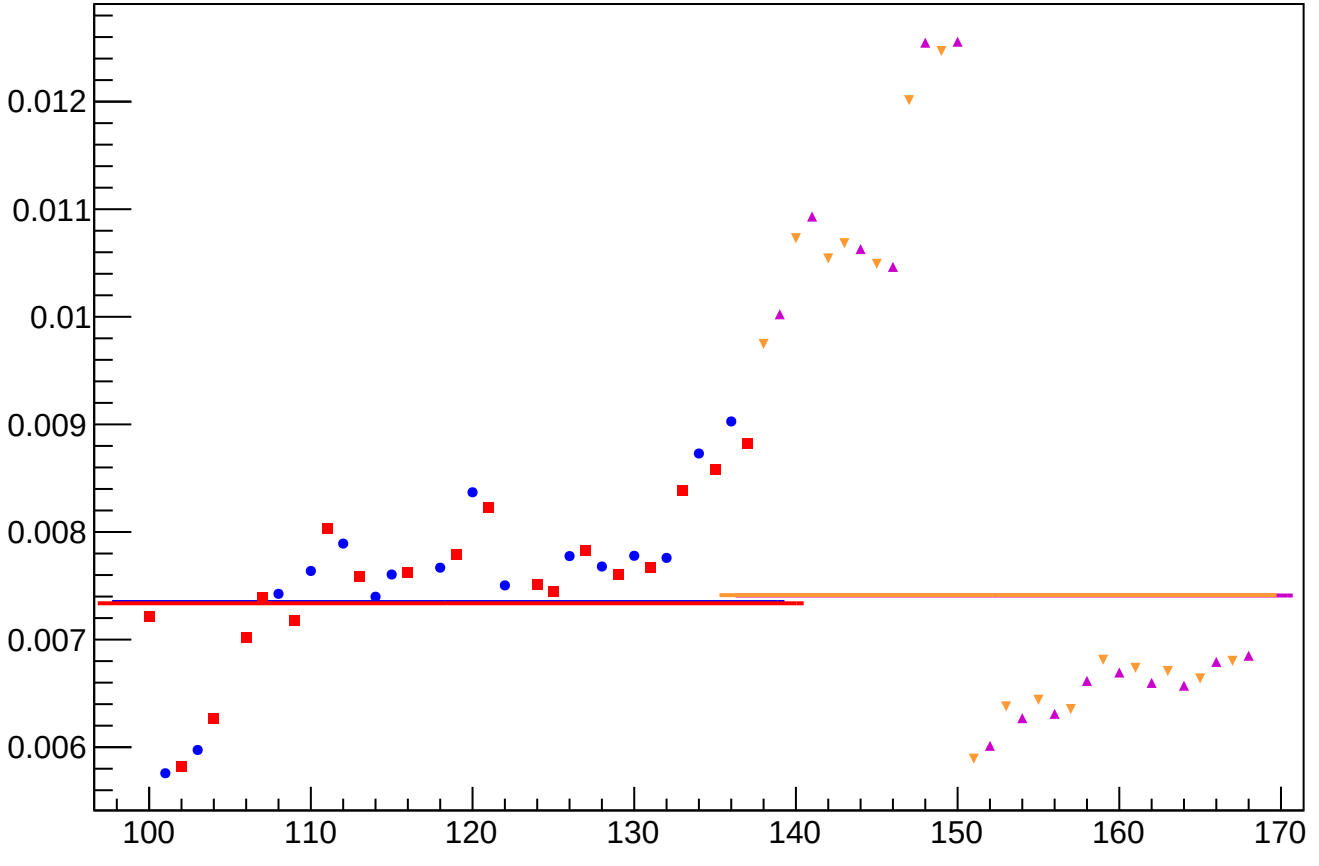
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.053+/-0.000 χ^2/NDF:518577036925.8/30

Out: 0.013+/-0.000 χ^2/NDF:473848932049.4/34

All: -0.019+/-0.000 χ^2/NDF: 993182086551.5

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1447337.7/15

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1504022.1/14

Left: 0.007+/-0.000 χ^2/NDF: 2951362.4/30

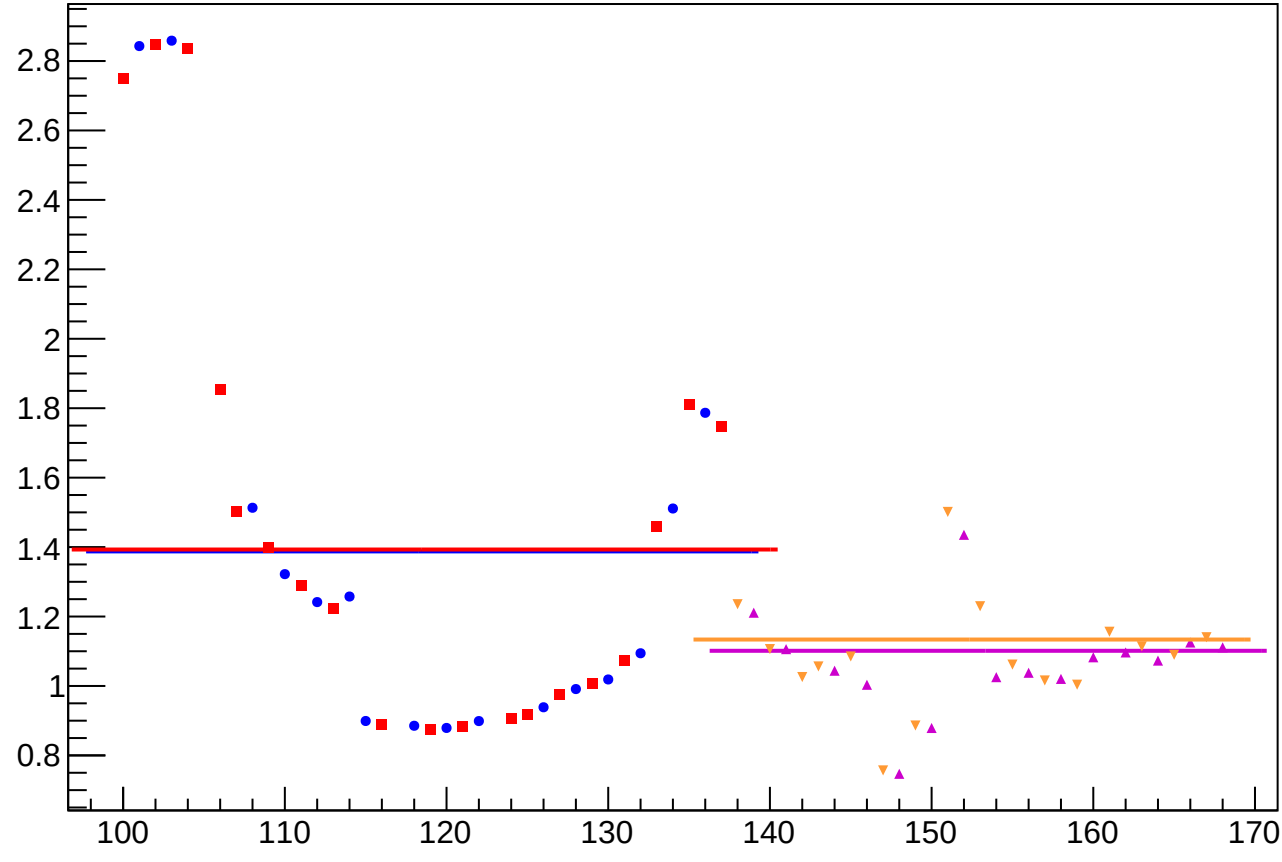
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1775476.2/30

Out: 0.007+/-0.000 χ^2/NDF:1643671.2/34

All: 0.007+/-0.000 χ^2/NDF: 3419150.3/65

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.134+/-0.000 χ^2/NDF:5347244102.5/15

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.101+/-0.000 χ^2/NDF:4163657069.4/14

Left: 1.118+/-0.000 χ^2/NDF: 9626716828.7/30

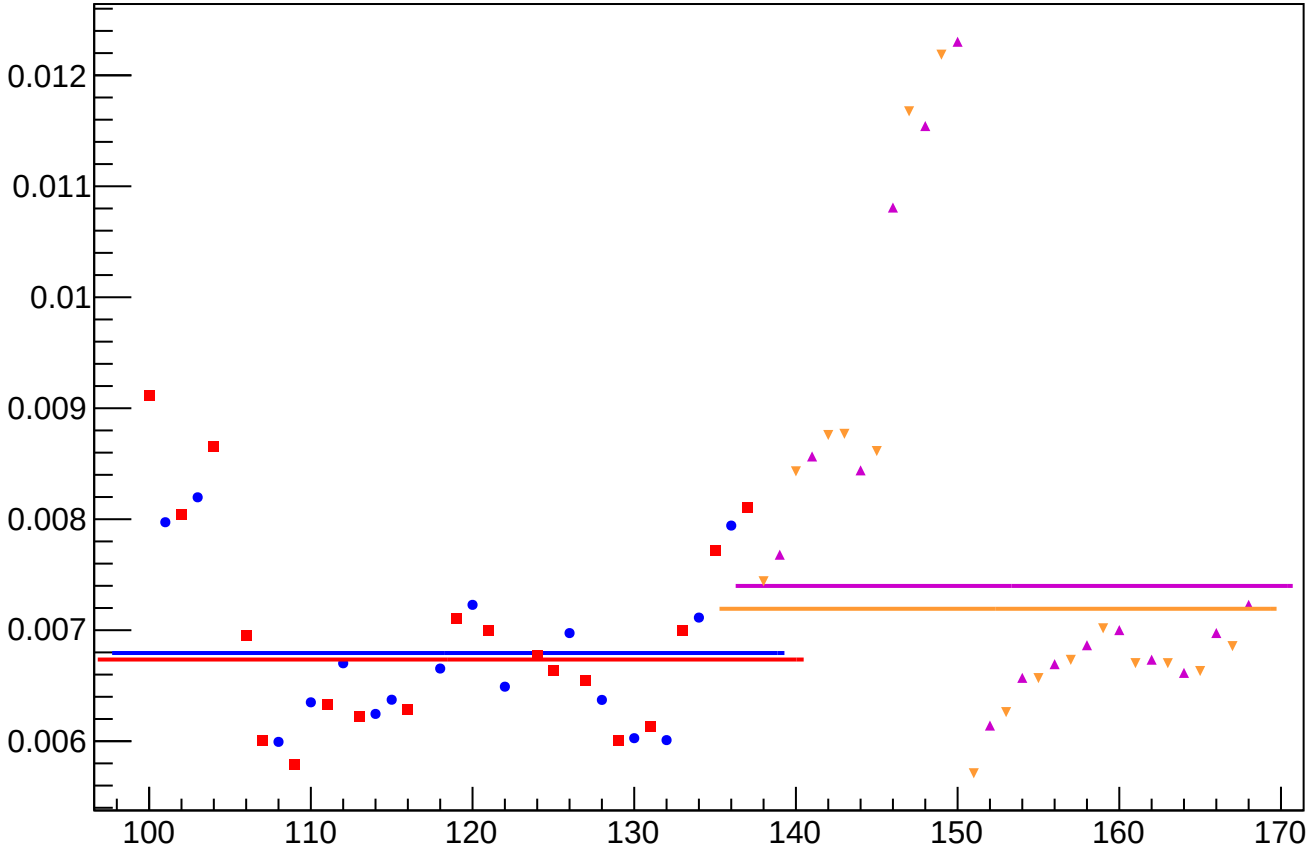
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.221+/-0.000 χ^2/NDF:70094289724.6/30

Out: 1.242+/-0.000 χ^2/NDF:67079165631.5/34

All: 1.232+/-0.000 χ^2/NDF: 137250152196.6

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:824973.1/15

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:856495.1/14

Left: 0.007+/-0.000 χ^2/NDF: 1690791.3/30

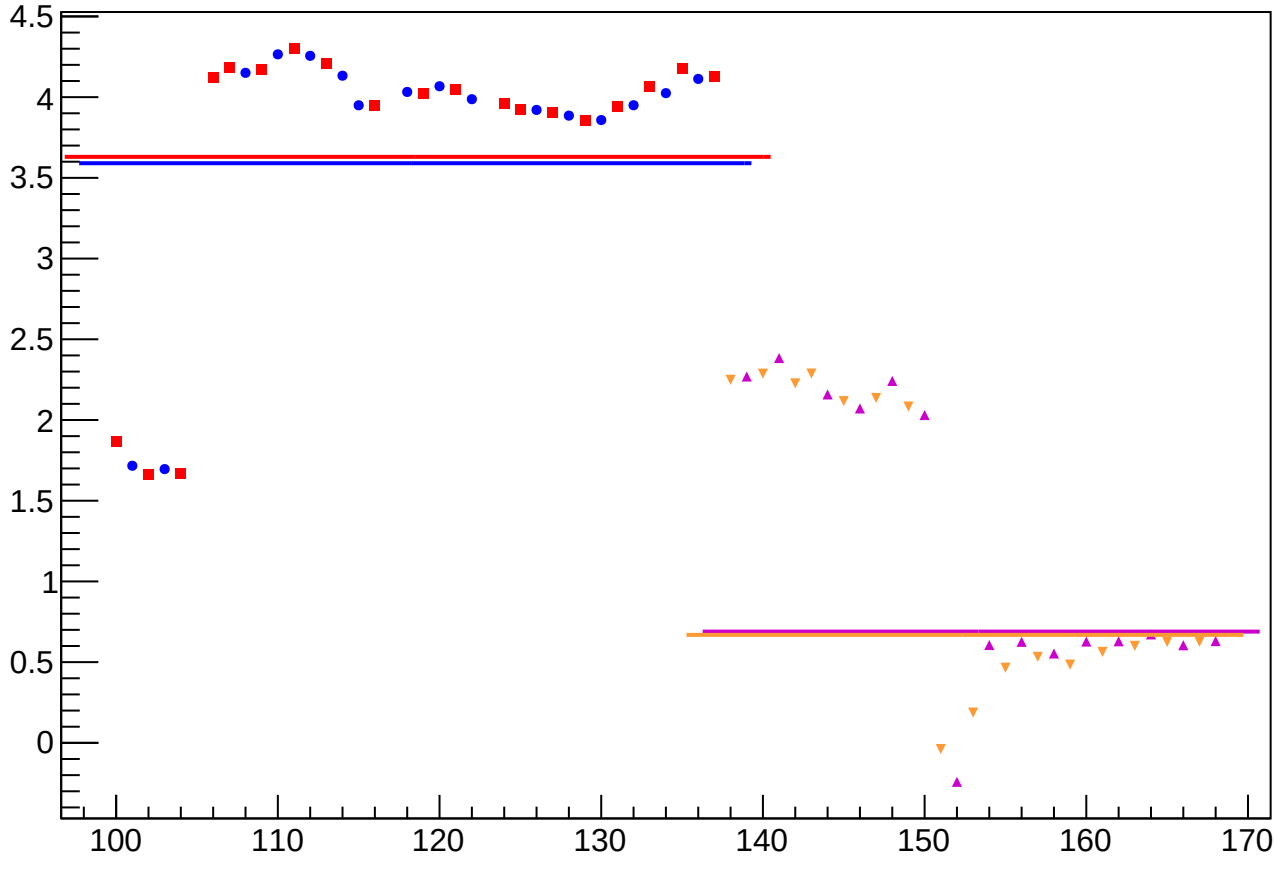
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1086207.1/30

Out: 0.007+/-0.000 χ^2/NDF:1063083.6/34

All: 0.007+/-0.000 χ^2/NDF: 2156954.5/65

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.669+/-0.000 χ^2/NDF:244165250930.3/15

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.689+/-0.000 χ^2/NDF:242431802794.1/14

Left: 0.679+/-0.000 χ^2/NDF: 486723990560.7/30

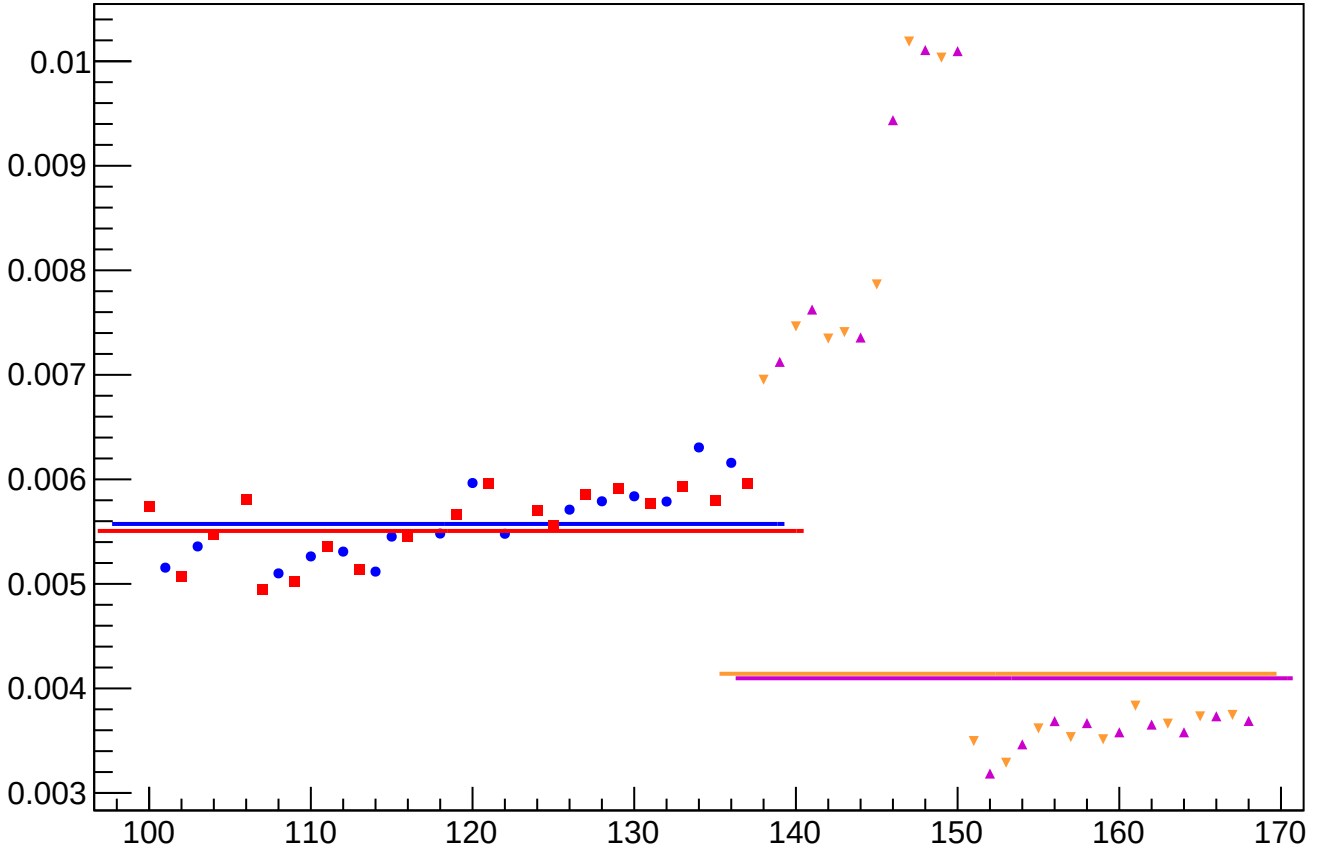
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.474+/-0.000 χ^2/NDF:1861425628657.8/30

Out: 1.499+/-0.000 χ^2/NDF:1976671375479.8/34

All: 1.486+/-0.000 χ^2/NDF: 3838350722731.

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:2780812.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2984021.2/14

Left: 0.004+/-0.000 χ^2/NDF: 5765992.8/30

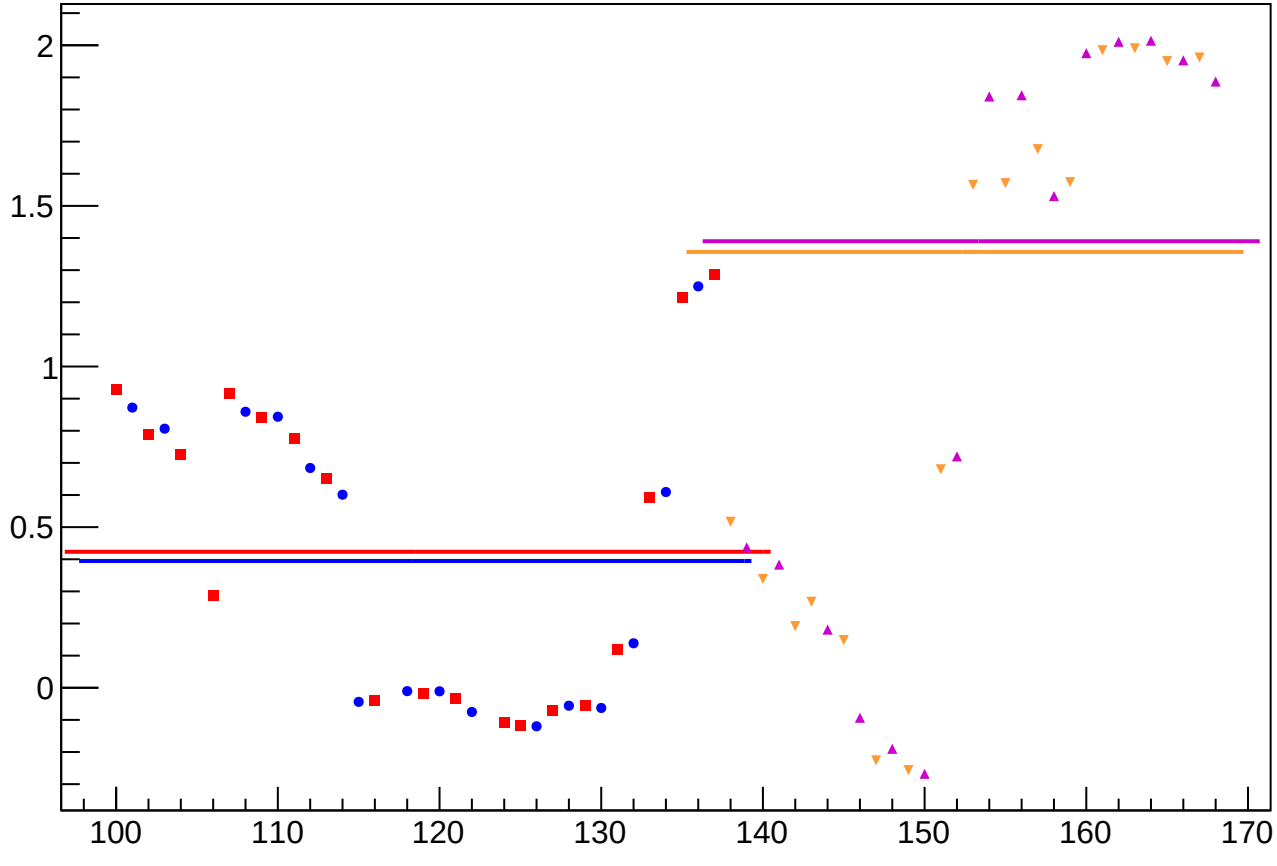
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:3776904.8/30

Out: 0.005+/-0.000 χ^2/NDF:3485452.0/34

All: 0.005+/-0.000 χ^2/NDF: 7262960.7/65

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.357+/-0.000 χ^2/NDF:49121948680.4/15

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.390+/-0.000 χ^2/NDF:54963252288.2/14

Left: 1.373+/-0.000 χ^2/NDF: 104137900647.5/30

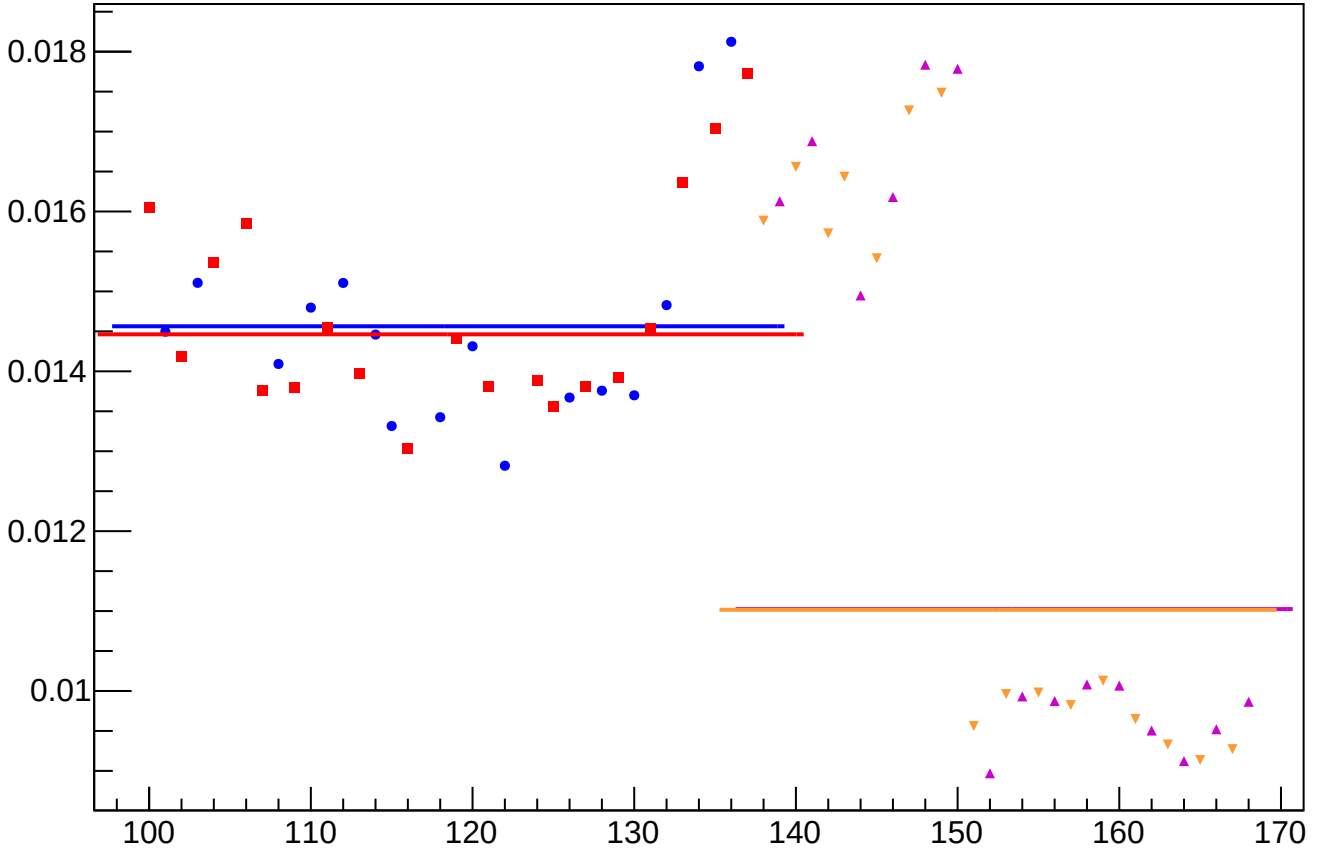
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.130+/-0.000 χ^2/NDF:86871730181.7/30

Out: 1.109+/-0.000 χ^2/NDF:78306095143.5/34

All: 1.119+/-0.000 χ^2/NDF: 165207491870.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1455467.8/15

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1483317.5/14

Left: 0.011+/-0.000 χ^2/NDF: 2938793.3/30

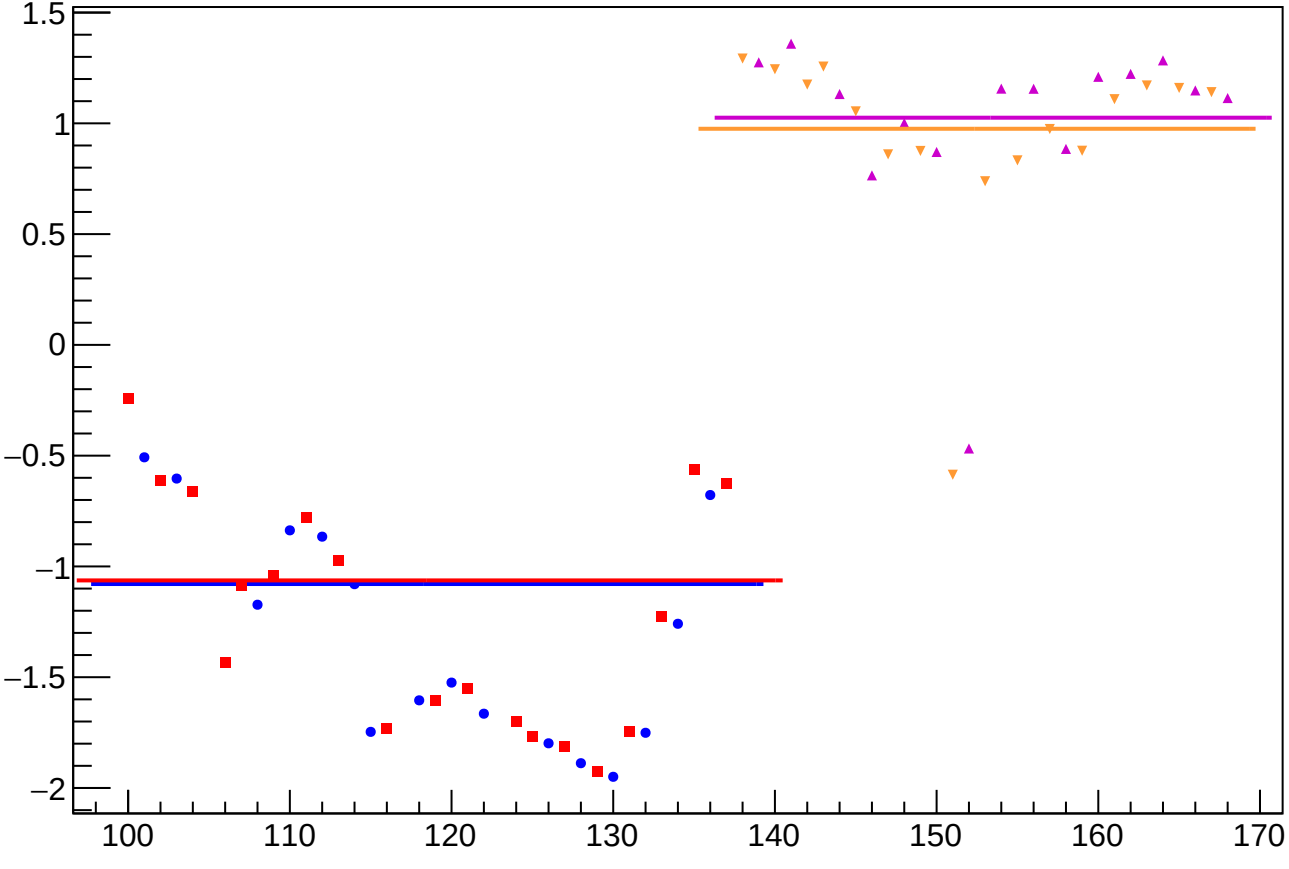
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2235617.1/30

Out: 0.012+/-0.000 χ^2/NDF:2140575.5/34

All: 0.012+/-0.000 χ^2/NDF: 4376230.0/65

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.975+/-0.000 χ^2/NDF:107972925268.8/15

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.025+/-0.000 χ^2/NDF:124737532559.6/14

Left: 1.000+/-0.000 χ^2/NDF: 233770498880.9/30

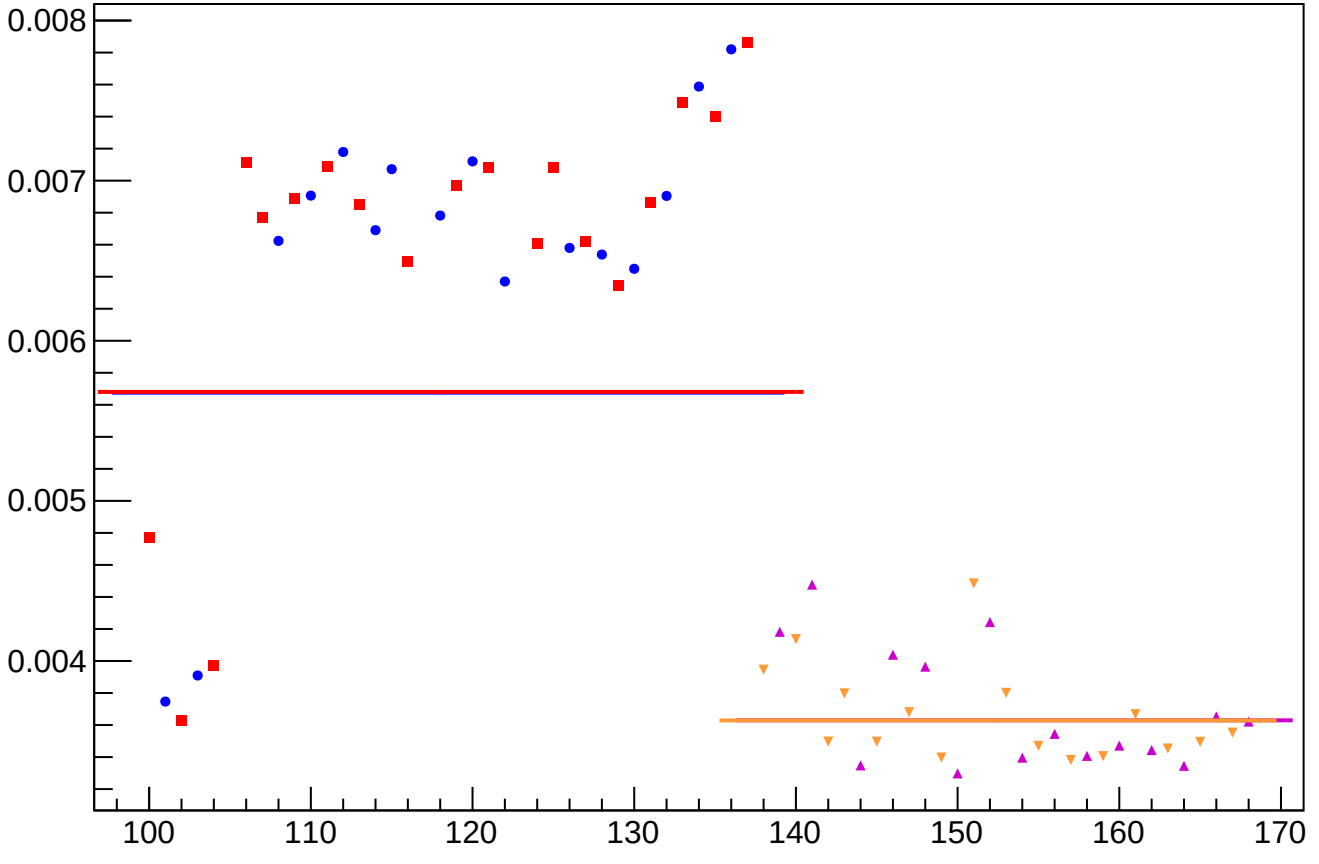
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.624+/-0.000 χ^2/NDF:893188431928.6/30

Out: 0.591+/-0.000 χ^2/NDF:831879309342.4/34

All: 0.608+/-0.000 χ^2/NDF: 1725634063155.

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:123372.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:202970.3/14

Left: 0.004+/-0.000 χ^2/NDF: 326343.0/30

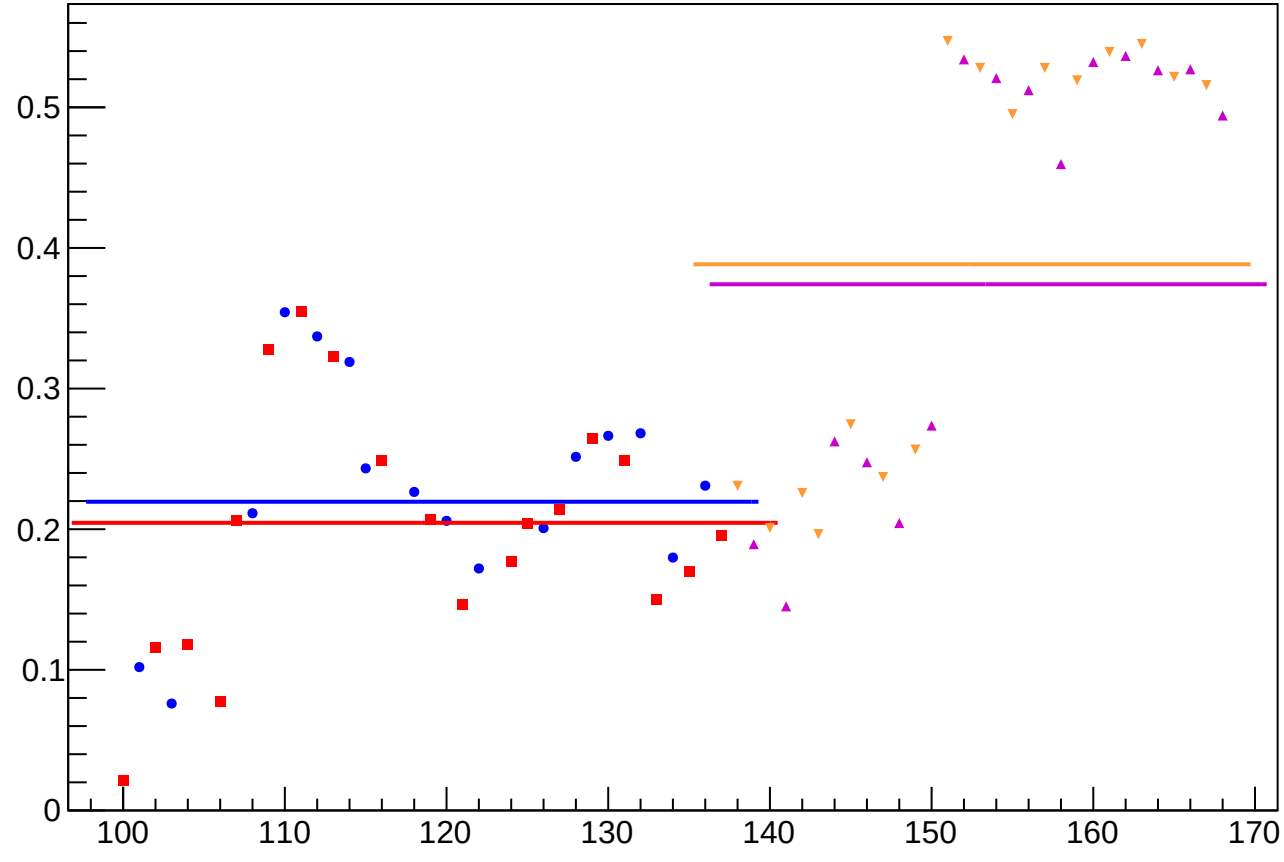
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2487784.7/30

Out: 0.004+/-0.000 χ^2/NDF:2469557.7/34

All: 0.004+/-0.000 χ^2/NDF: 4957361.0/65

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.388+/-0.000 χ^2/NDF:126262530115.1/15

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.374+/-0.000 χ^2/NDF:119752661148.7/14

Left: 0.382+/-0.000 χ^2/NDF: 246561613329.4/30

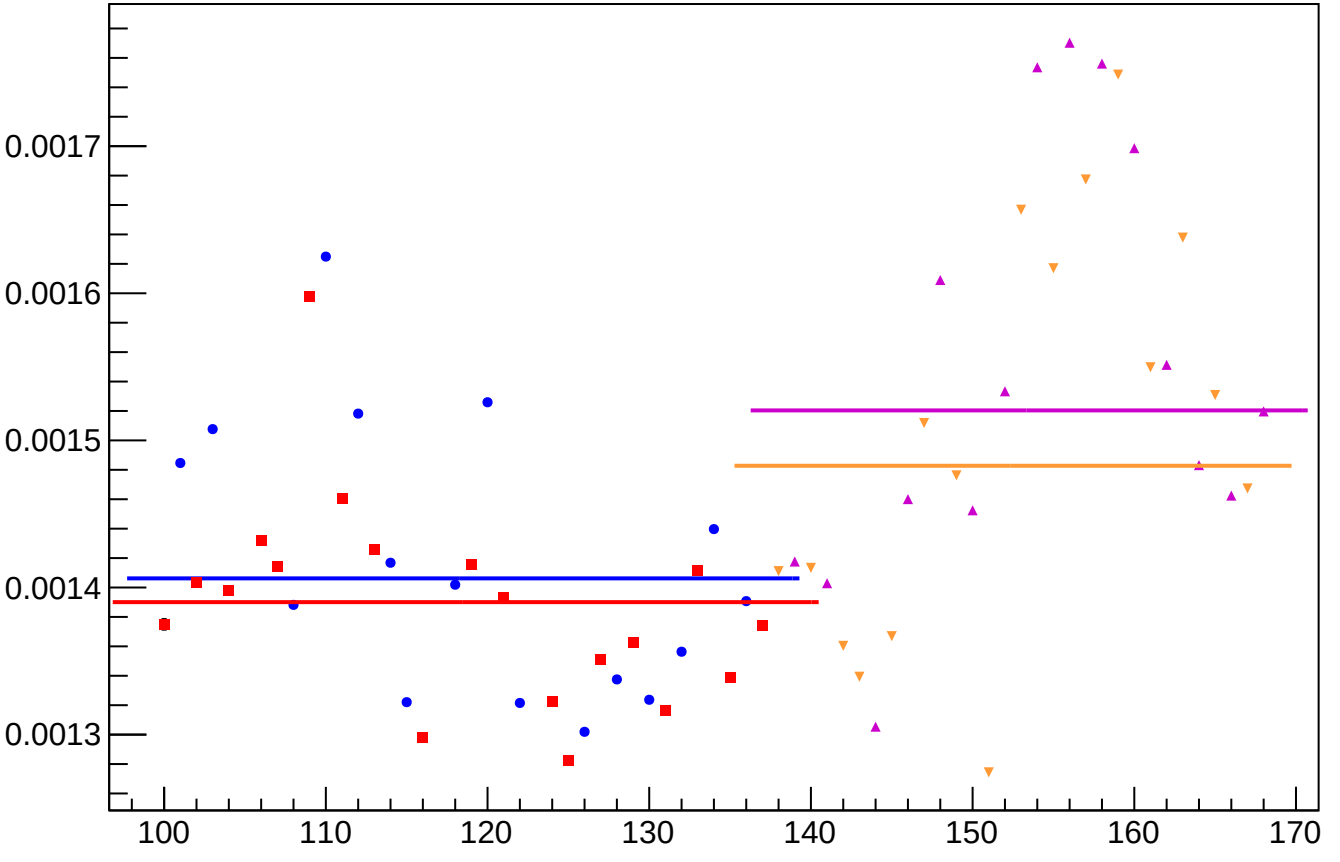
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.312+/-0.000 χ^2/NDF:186688753275.2/30

Out: 0.314+/-0.000 χ^2/NDF:225195398328.7/34

All: 0.313+/-0.000 χ^2/NDF: 411908990630.6

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:200801.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:196375.2/14

Left: 0.002+/-0.000 χ^2/NDF: 404847.9/30

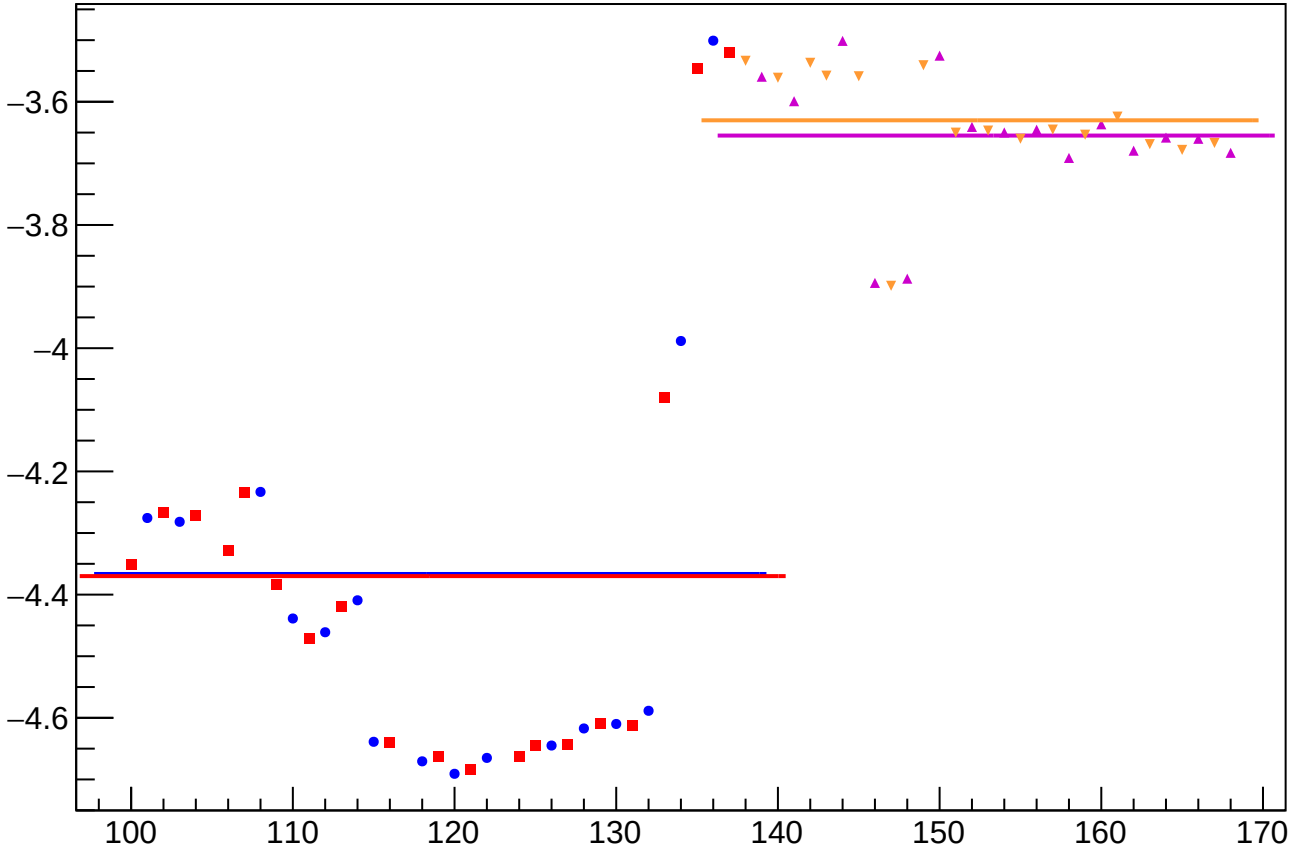
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:299305.3/30

Out: 0.001+/-0.000 χ^2/NDF:274556.9/34

All: 0.001+/-0.000 χ^2/NDF: 581517.9/65

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.630+/-0.000 χ^2/NDF:21993912796.7/15

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.655+/-0.000 χ^2/NDF:33532766941.8/14

Left: -3.642+/-0.000 χ^2/NDF: 56688447409.7/30

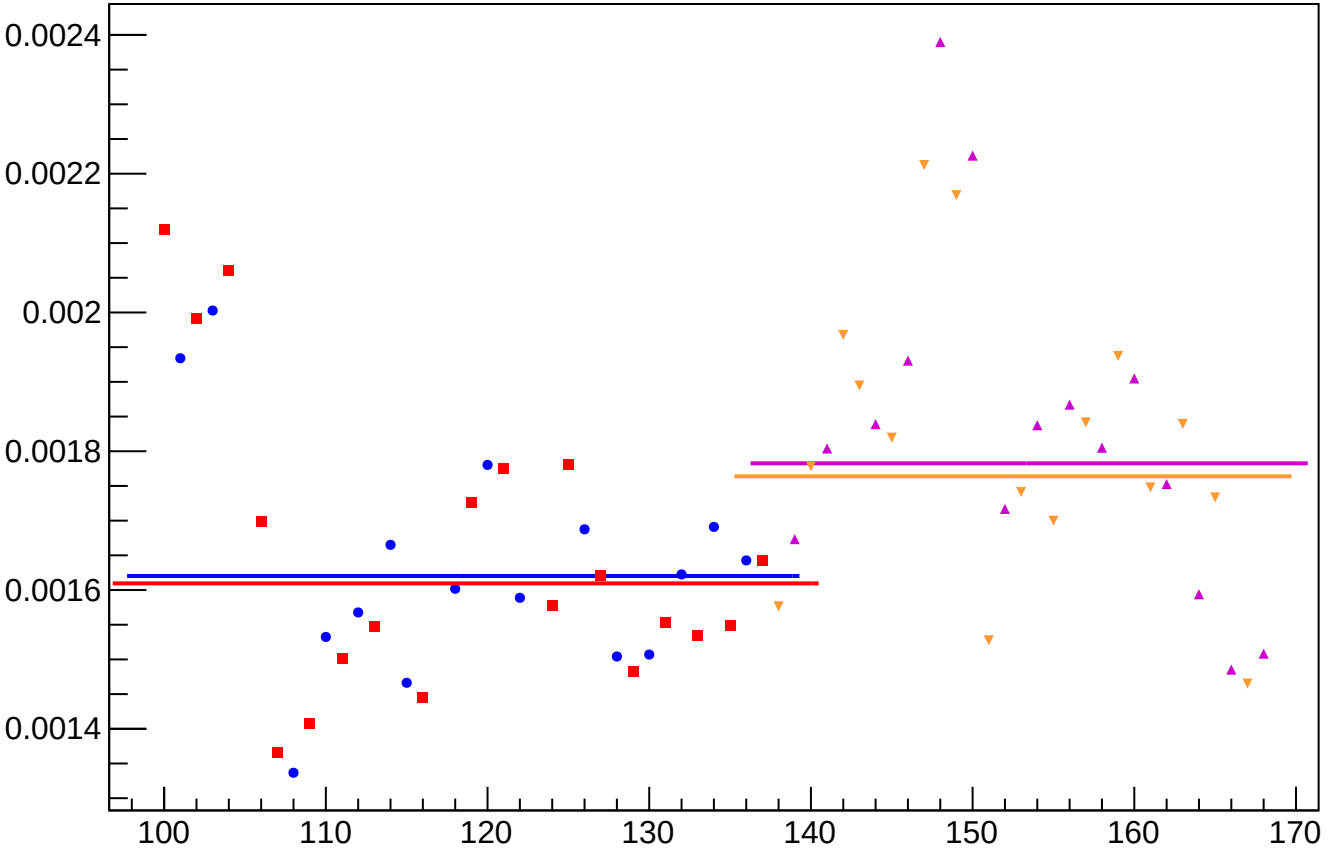
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.949+/-0.000 χ^2/NDF:1165121139596.9/30

Out: -3.938+/-0.000 χ^2/NDF:1196766842059.8/34

All: -3.943+/-0.000 χ^2/NDF: 2362277800980

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:287788.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:324749.3/14

Left: 0.002+/-0.000 χ^2/NDF: 613871.4/30

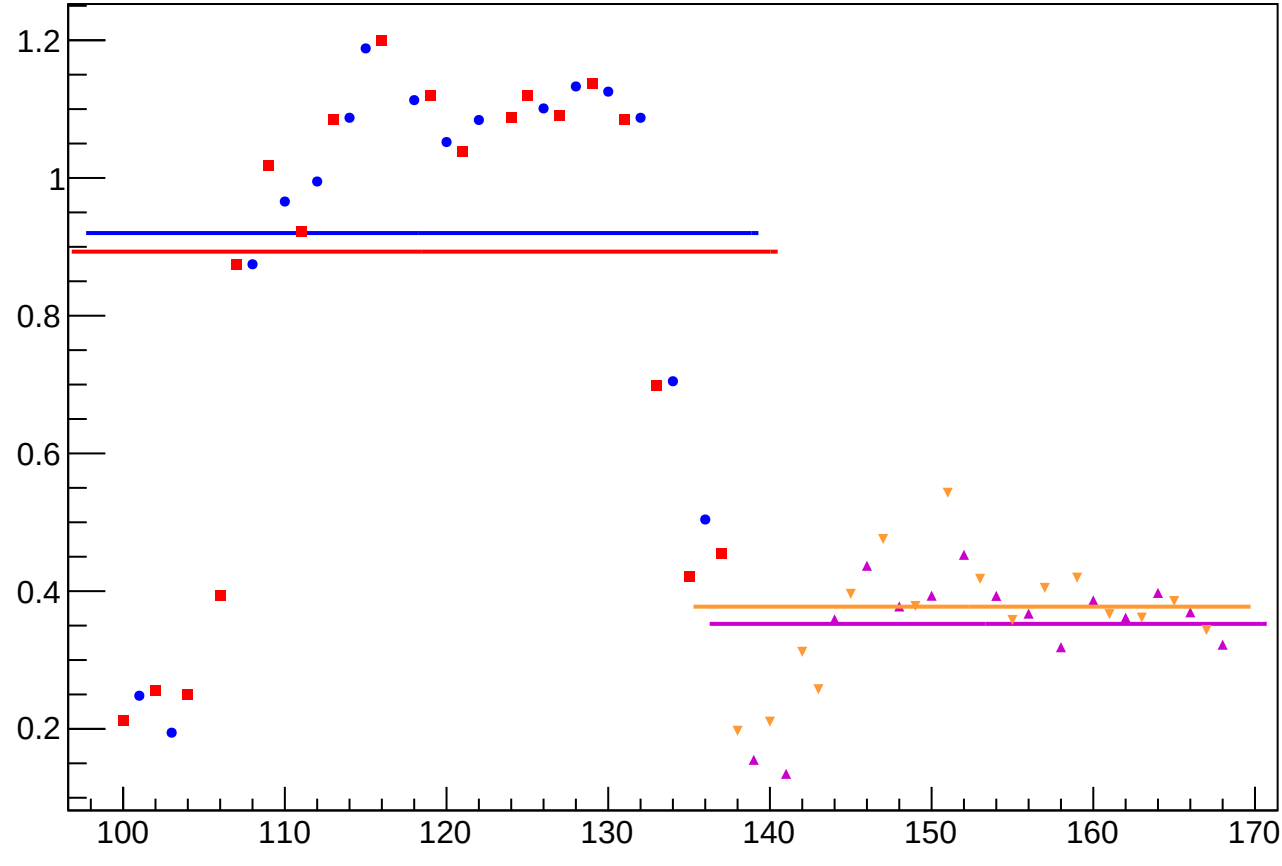
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:546000.5/30

Out: 0.002+/-0.000 χ^2/NDF:549140.4/34

All: 0.002+/-0.000 χ^2/NDF: 1096769.8/65

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.377+/-0.000 χ^2/NDF:1700201049.3/15

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.353+/-0.000 χ^2/NDF:1439037228.3/14

Left: 0.365+/-0.000 χ^2/NDF: 3209940886.0/30

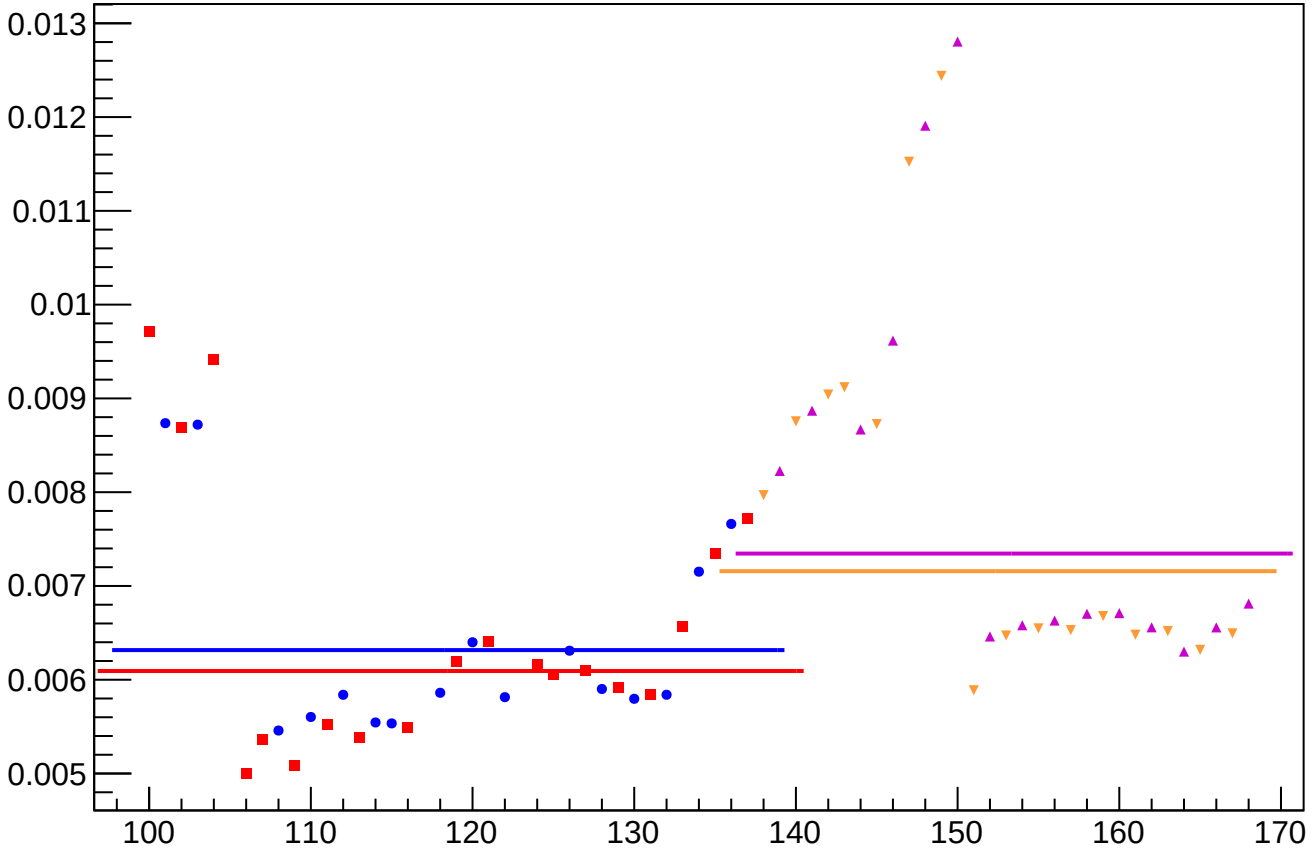
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.605+/-0.000 χ^2/NDF:47437523327.7/30

Out: 0.612+/-0.000 χ^2/NDF:47686808366.2/34

All: 0.608+/-0.000 χ^2/NDF: 95133618550.2/6

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:978191.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:969436.7/14

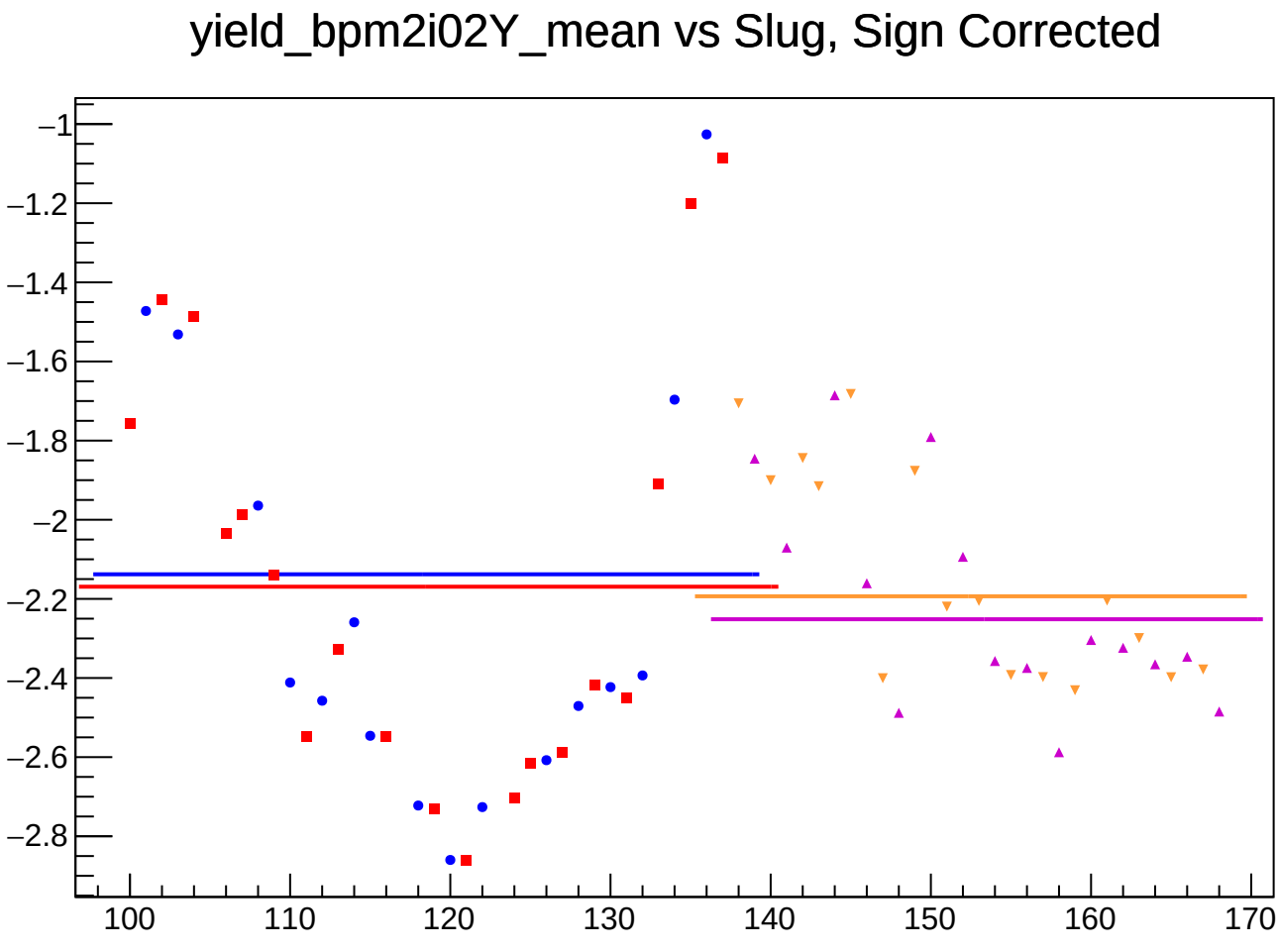
Left: 0.007+/-0.000 χ^2/NDF: 1955621.0/30

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

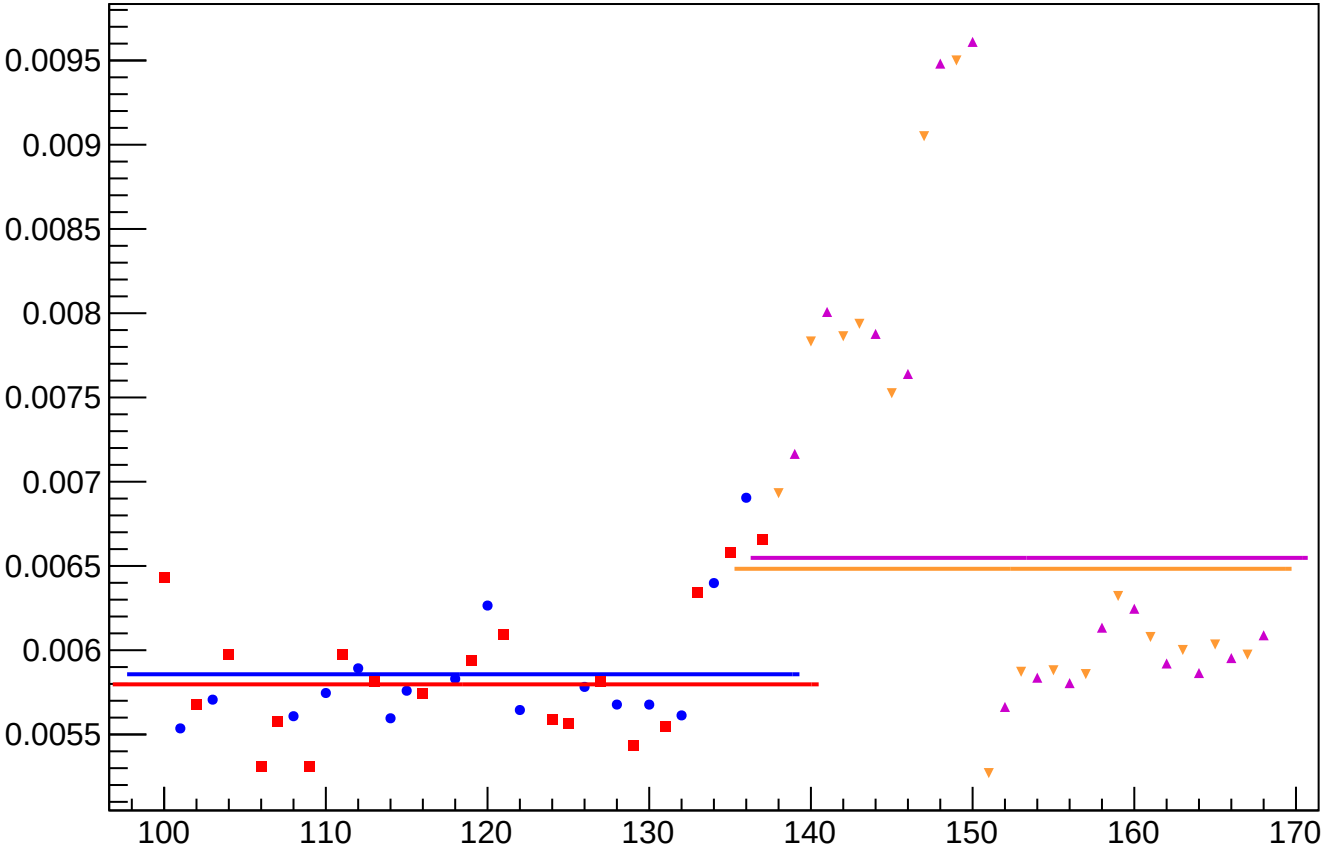
In: 0.007+/-0.000 χ^2/NDF:1511944.6/30

Out: 0.007+/-0.000 χ^2/NDF:1655803.6/34

All: 0.007+/-0.000 χ^2/NDF: 3186506.4/65


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.193+/-0.000 χ²/NDF:16902089689.2/15
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.251+/-0.000 χ²/NDF:16286338063.7/14
Left: -2.222+/-0.000 χ²/NDF: 33669461793.3/30
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.203+/-0.000 χ²/NDF:83501663147.4/30
Out: -2.183+/-0.000 χ²/NDF:74385019135.9/34
All: -2.193+/-0.000 χ²/NDF: 157986114867.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:649825.1/15

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:662469.6/14

Left: 0.007+/-0.000 χ^2/NDF: 1313494.4/30

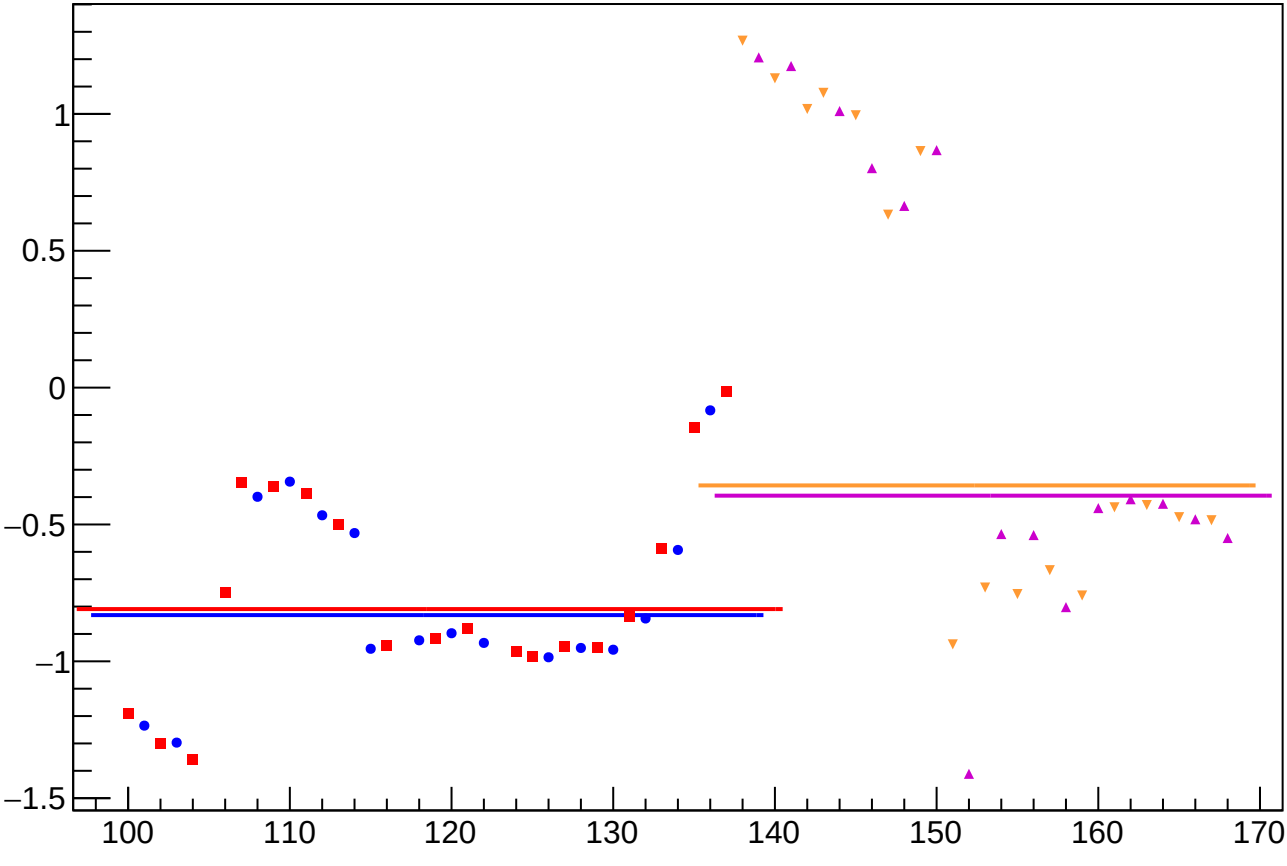
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:838924.0/30

Out: 0.006+/-0.000 χ^2/NDF:824628.5/34

All: 0.006+/-0.000 χ^2/NDF: 1665742.1/65

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.357+/-0.000 χ^2/NDF:77617072438.8/15

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.395+/-0.000 χ^2/NDF:87732325238.3/14

Left: -0.376+/-0.000 χ^2/NDF: 165485497026.6/30

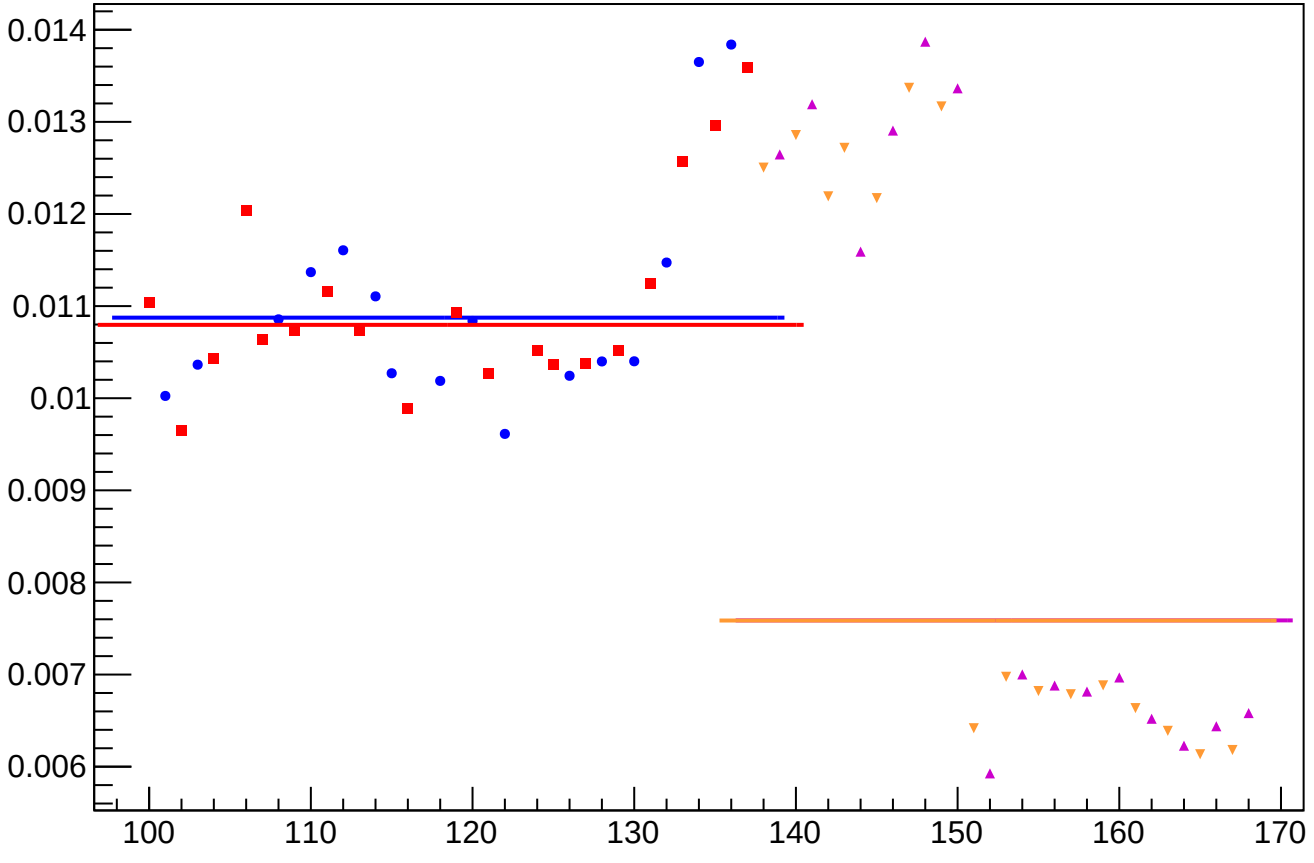
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.498+/-0.000 χ^2/NDF:103501017677.9/30

Out: -0.466+/-0.000 χ^2/NDF:95375645797.9/34

All: -0.482+/-0.000 χ^2/NDF: 199004711524.0

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:2082038.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2117453.7/14

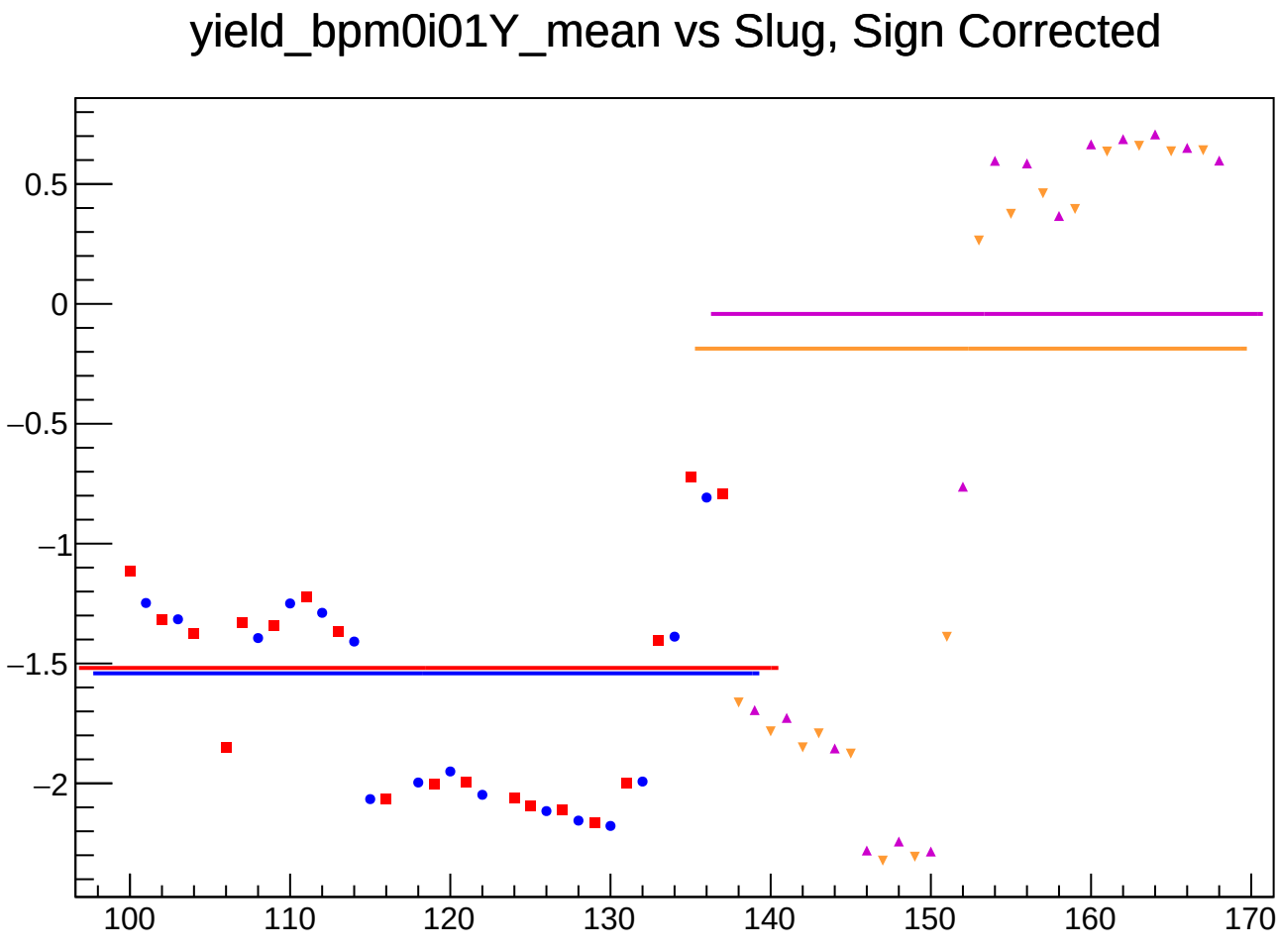
Left: 0.008+/-0.000 χ^2/NDF: 4199492.2/30

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

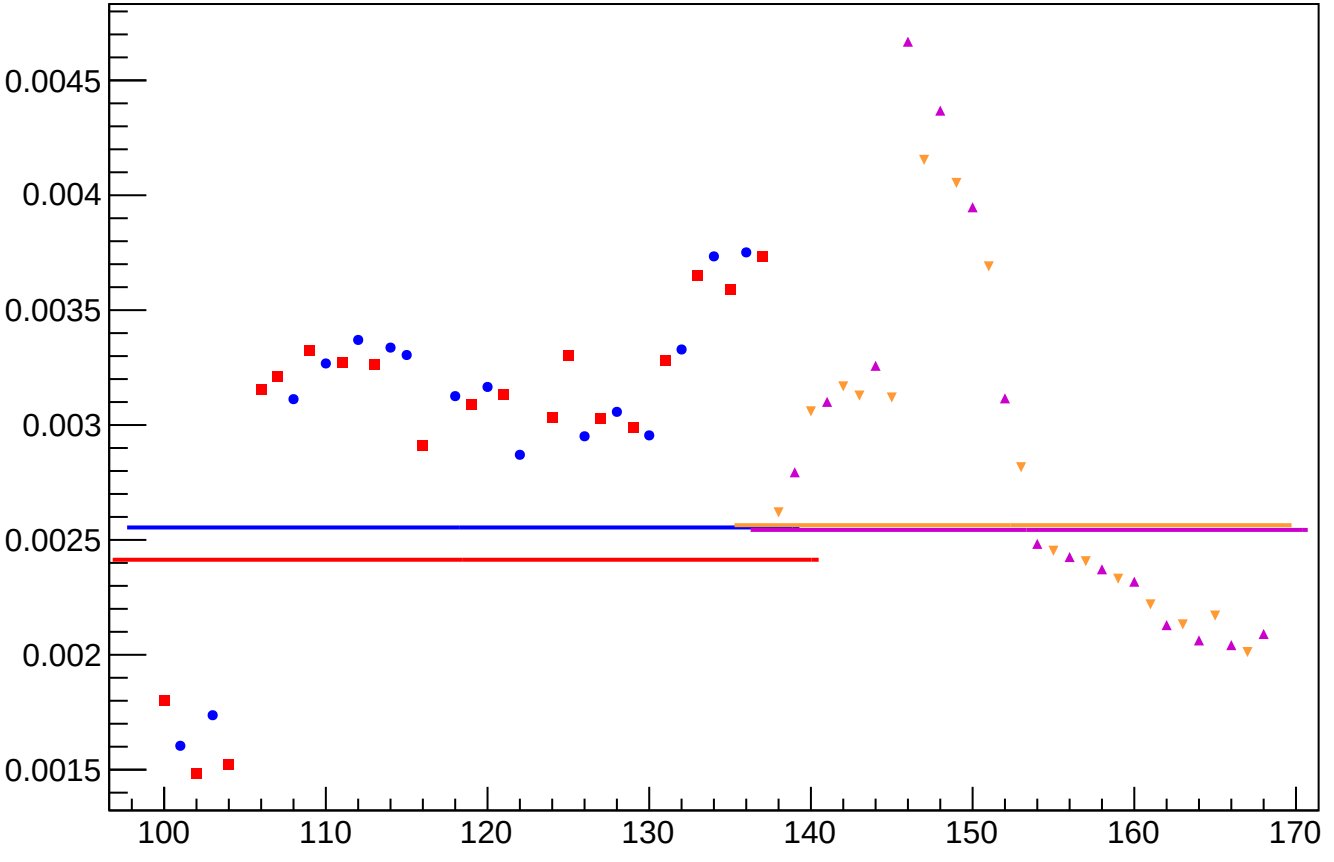
In: 0.008+/-0.000 χ^2/NDF:3257234.2/30

Out: 0.008+/-0.000 χ^2/NDF:3151435.8/34

All: 0.008+/-0.000 χ^2/NDF: 6408675.3/65


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.187+/-0.000 χ²/NDF:1967032794827.0/15
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.042+/-0.000 χ²/NDF:1855958272816.4/14
Left: -0.115+/-0.000 χ²/NDF: 3840064759317.6/30
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -0.588+/-0.000 χ²/NDF:3344908482765.5/30
Out: -0.696+/-0.000 χ²/NDF:3226889362181.4/34
All: -0.643+/-0.000 χ²/NDF: 6586841019819

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:931760.0/15

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1129768.6/14

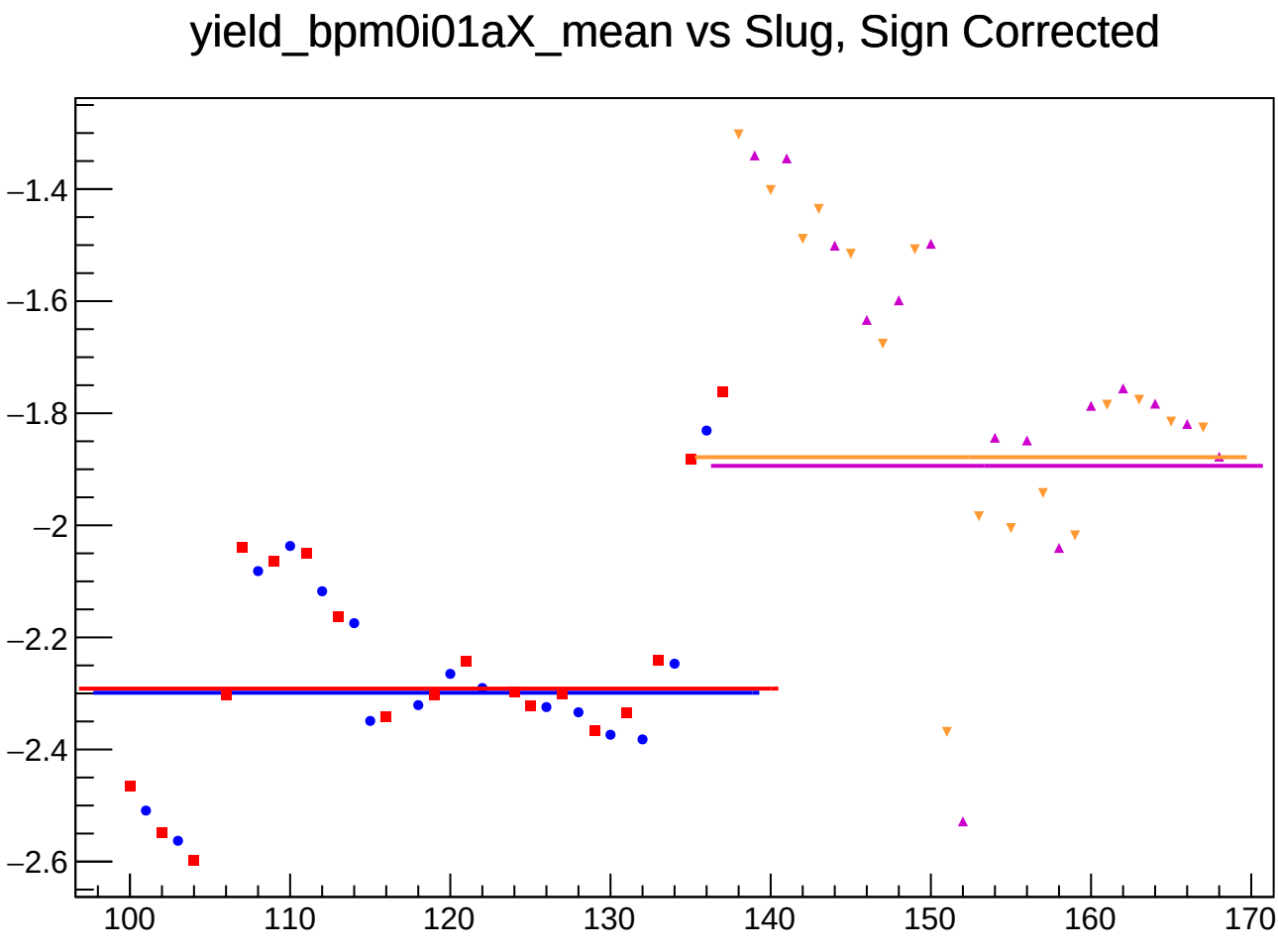
Left: 0.003+/-0.000 χ^2/NDF: 2062220.0/30

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

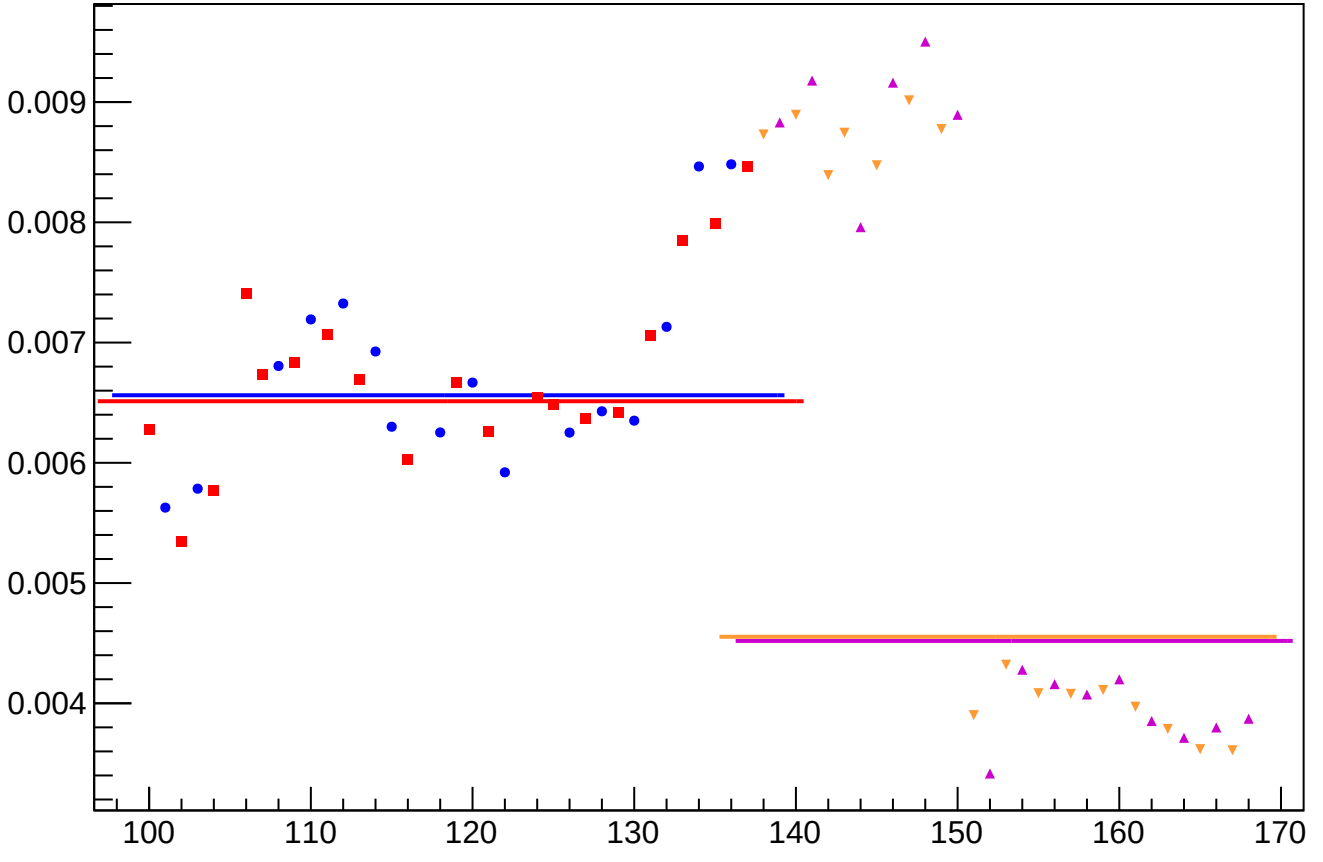
In: 0.003+/-0.000 χ^2/NDF:2302337.9/30

Out: 0.003+/-0.000 χ^2/NDF:2507011.3/34

All: 0.003+/-0.000 χ^2/NDF: 4813681.1/65


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.878+/-0.000 χ²/NDF:27199830177.8/15
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.894+/-0.000 χ²/NDF:43300942071.1/14
Left: -1.886+/-0.000 χ²/NDF: 70563107044.7/30
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.990+/-0.000 χ²/NDF:69514830809.5/30
Out: -1.979+/-0.000 χ²/NDF:55607171345.4/34
All: -1.985+/-0.000 χ²/NDF: 125162591102.9

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:2755200.0/15

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2834648.7/14

Left: 0.005+/-0.000 χ^2/NDF: 5590464.1/30

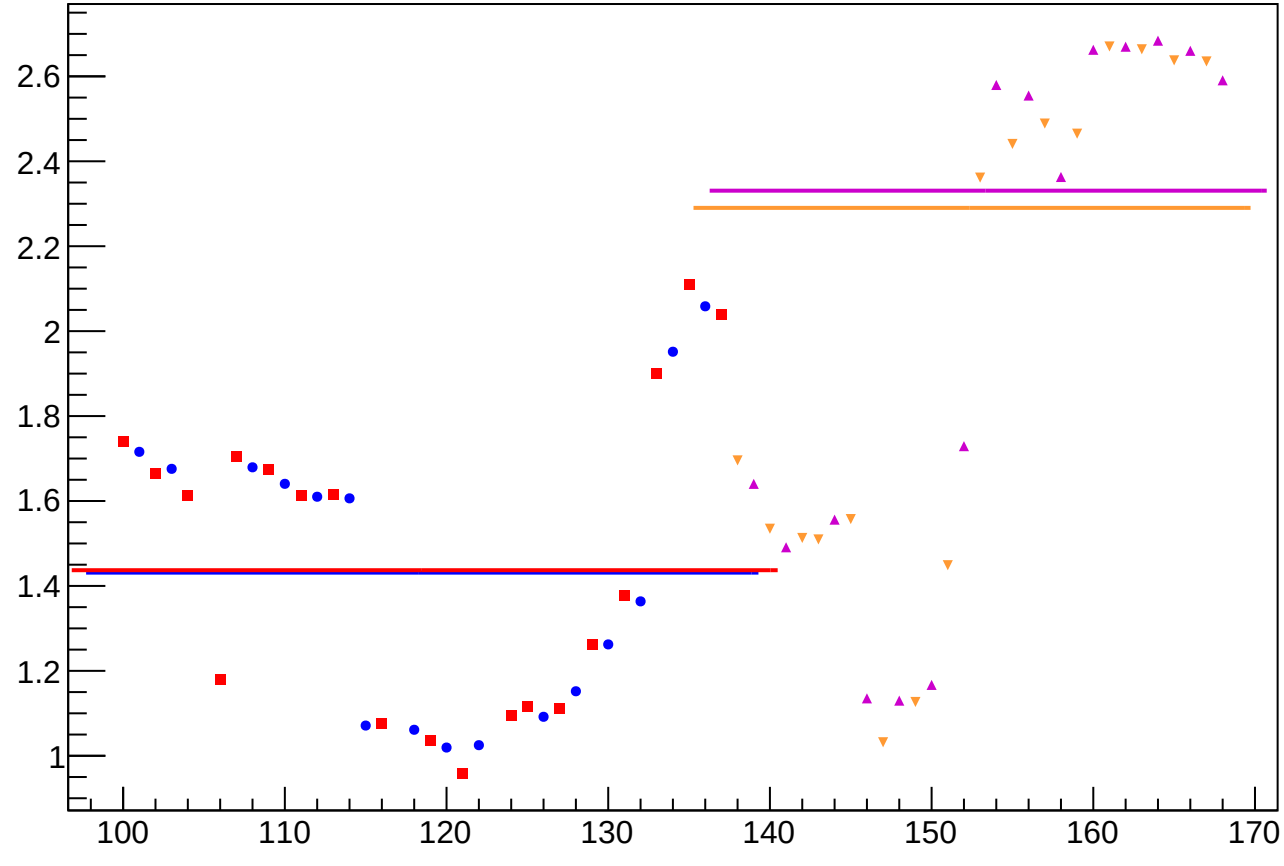
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4079378.6/30

Out: 0.005+/-0.000 χ^2/NDF:3911077.2/34

All: 0.005+/-0.000 χ^2/NDF: 7990961.6/65

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.290+/-0.000 χ^2/NDF:205695560612.3/15

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.331+/-0.000 χ^2/NDF:201983216981.5/14

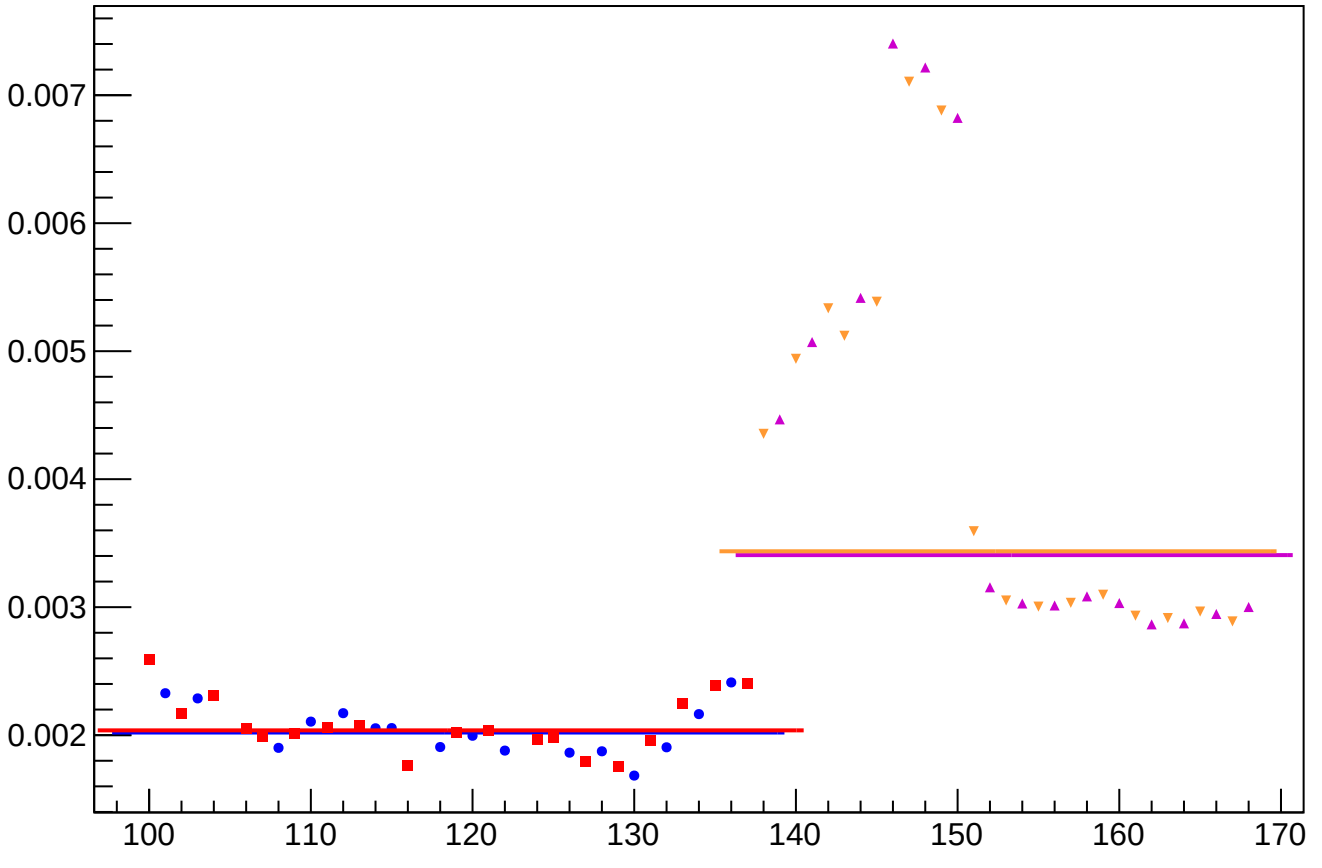
Left: 2.310+/-0.000 χ^2/NDF: 408432612397.4/30

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.755+/-0.000 χ^2/NDF:864035672541.7/30

Out: 1.746+/-0.000 χ^2/NDF:817152443176.5/34

All: 1.750+/-0.000 χ^2/NDF: 1681295552672.



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1657048.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1906394.3/14

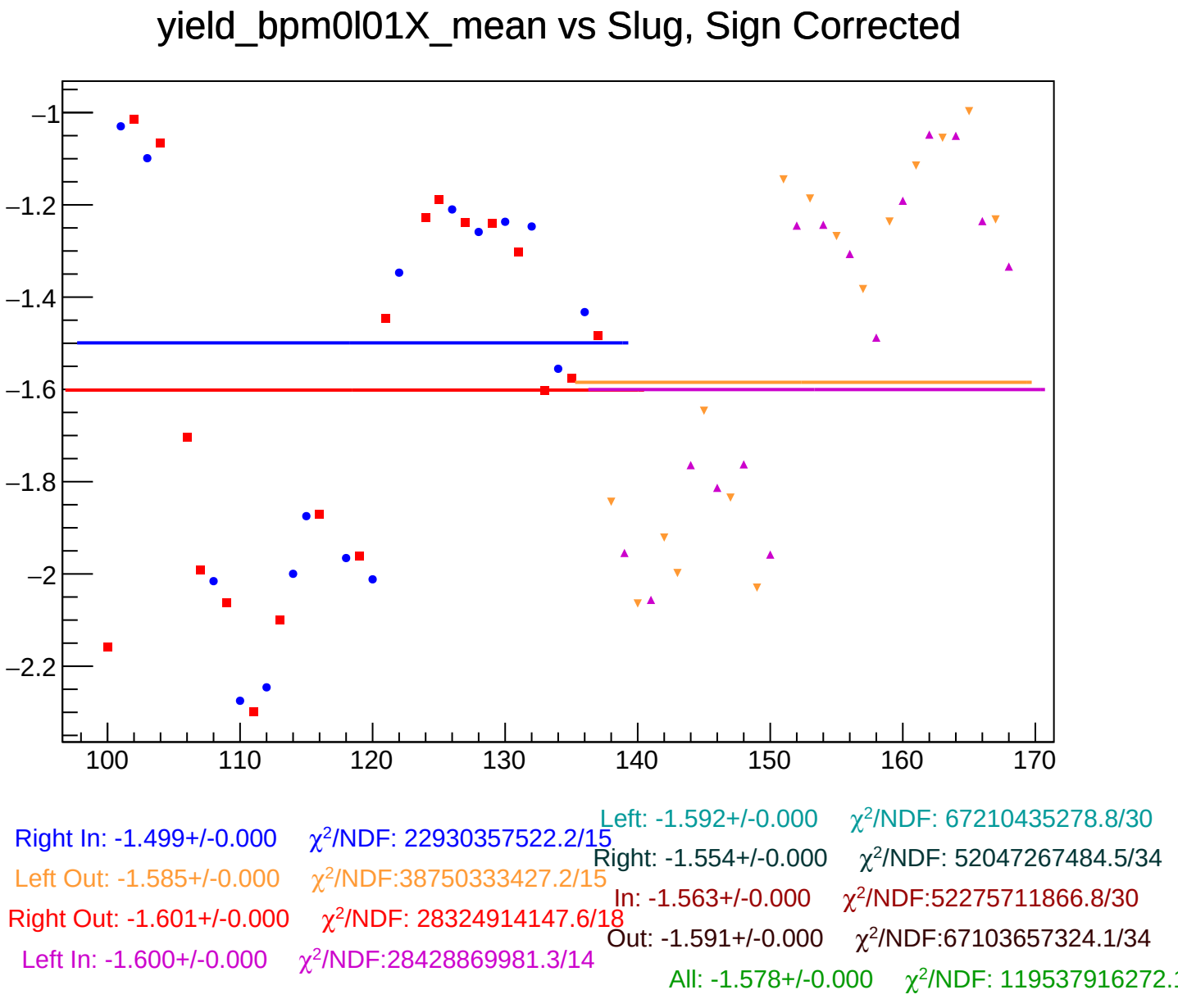
Left: 0.003+/-0.000 χ^2/NDF: 3564261.4/30

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

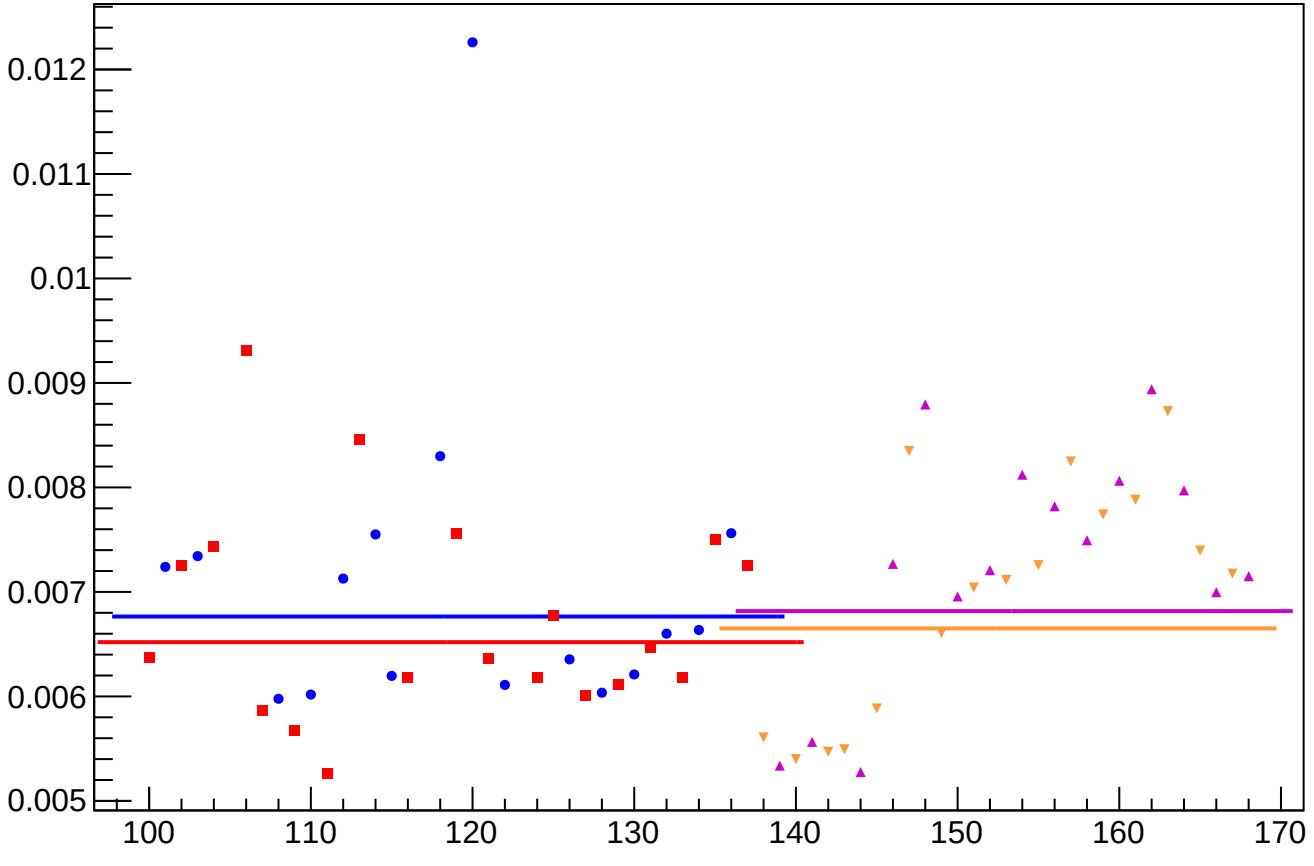
In: 0.003+/-0.000 χ^2/NDF:4307548.3/30

Out: 0.003+/-0.000 χ^2/NDF:4080141.8/34

All: 0.003+/-0.000 χ^2/NDF: 8389206.3/65


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.585+/-0.000 χ²/NDF:38750333427.2/15
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.600+/-0.000 χ²/NDF:28428869981.3/14
Left: -1.592+/-0.000 χ²/NDF: 67210435278.8/30
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.563+/-0.000 χ²/NDF:52275711866.8/30
Out: -1.591+/-0.000 χ²/NDF:67103657324.1/34
All: -1.578+/-0.000 χ²/NDF: 119537916272.1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:594511.4/15

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:678412.3/14

Left: 0.007+/-0.000 χ^2/NDF: 1279839.2/30

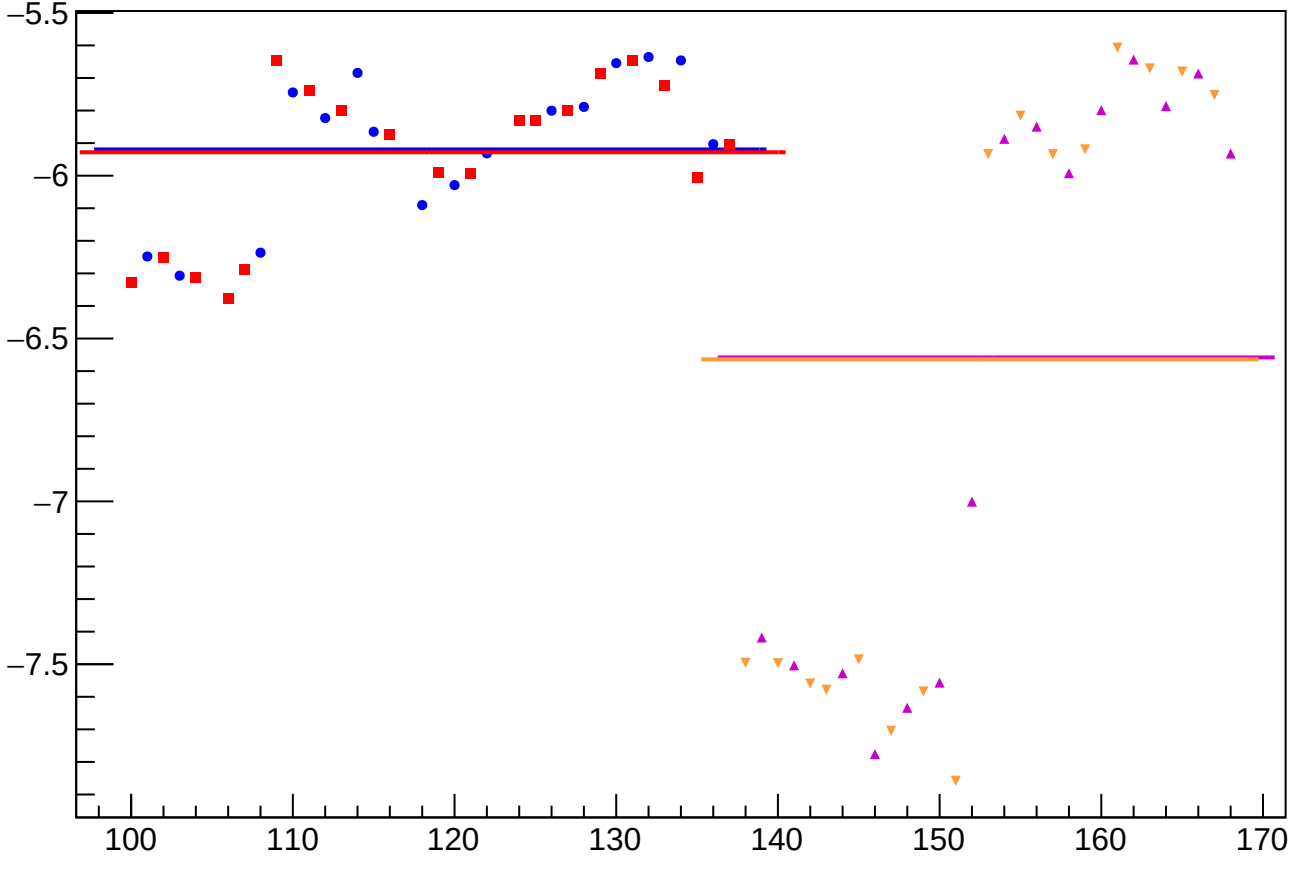
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:917462.7/30

Out: 0.007+/-0.000 χ^2/NDF:843407.3/34

All: 0.007+/-0.000 χ^2/NDF: 1776492.4/65

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.564+/-0.000 χ^2/NDF:94310137355.6/15

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.558+/-0.000 χ^2/NDF:74690007685.9/14

Left: -6.561+/-0.000 χ^2/NDF: 169001987188.7/30

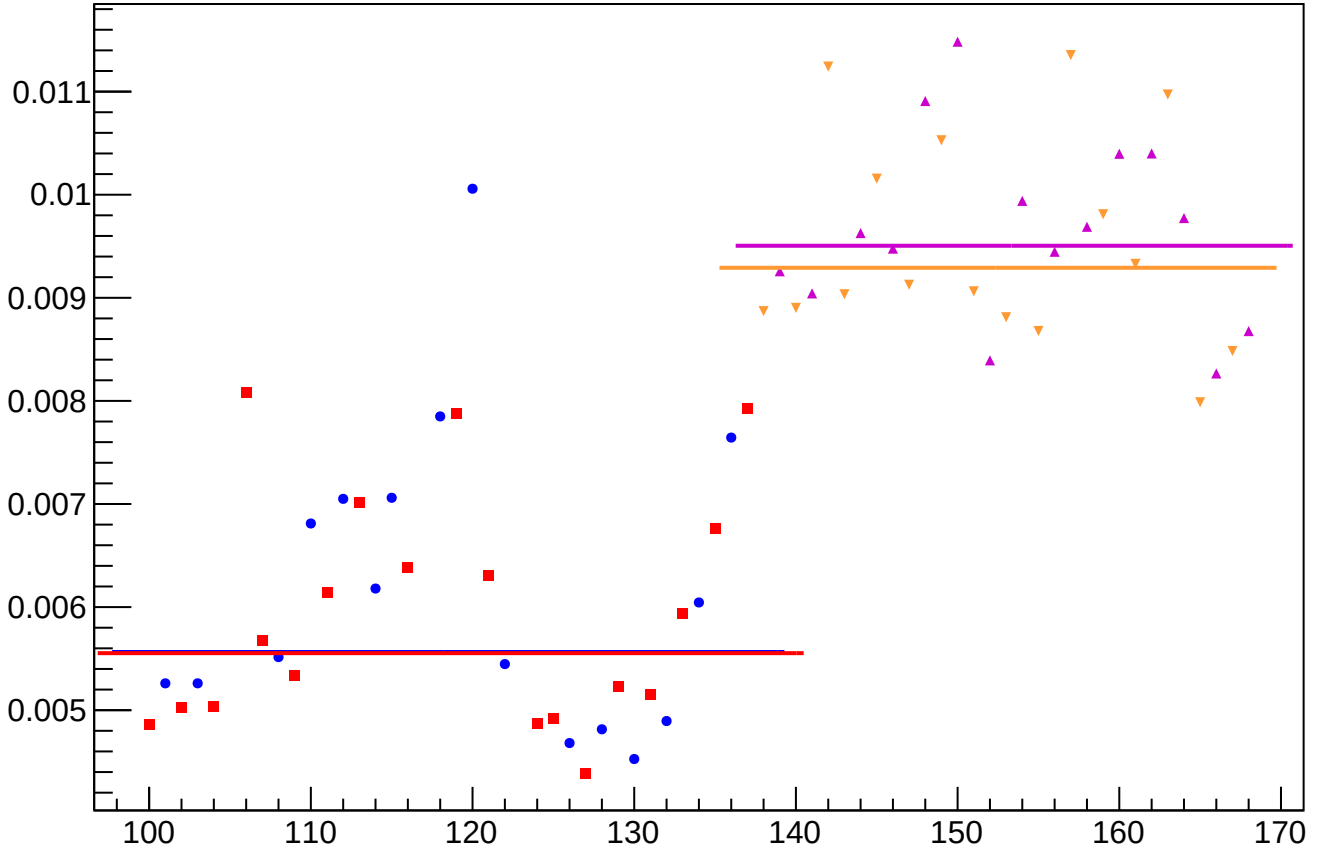
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.146+/-0.000 χ^2/NDF:115090610666.5/30

Out: -6.151+/-0.000 χ^2/NDF:136838549047.7/34

All: -6.149+/-0.000 χ^2/NDF: 251933831009.0

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:188200.2/15

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:154964.4/14

Left: 0.009+/-0.000 χ^2/NDF: 348248.9/30

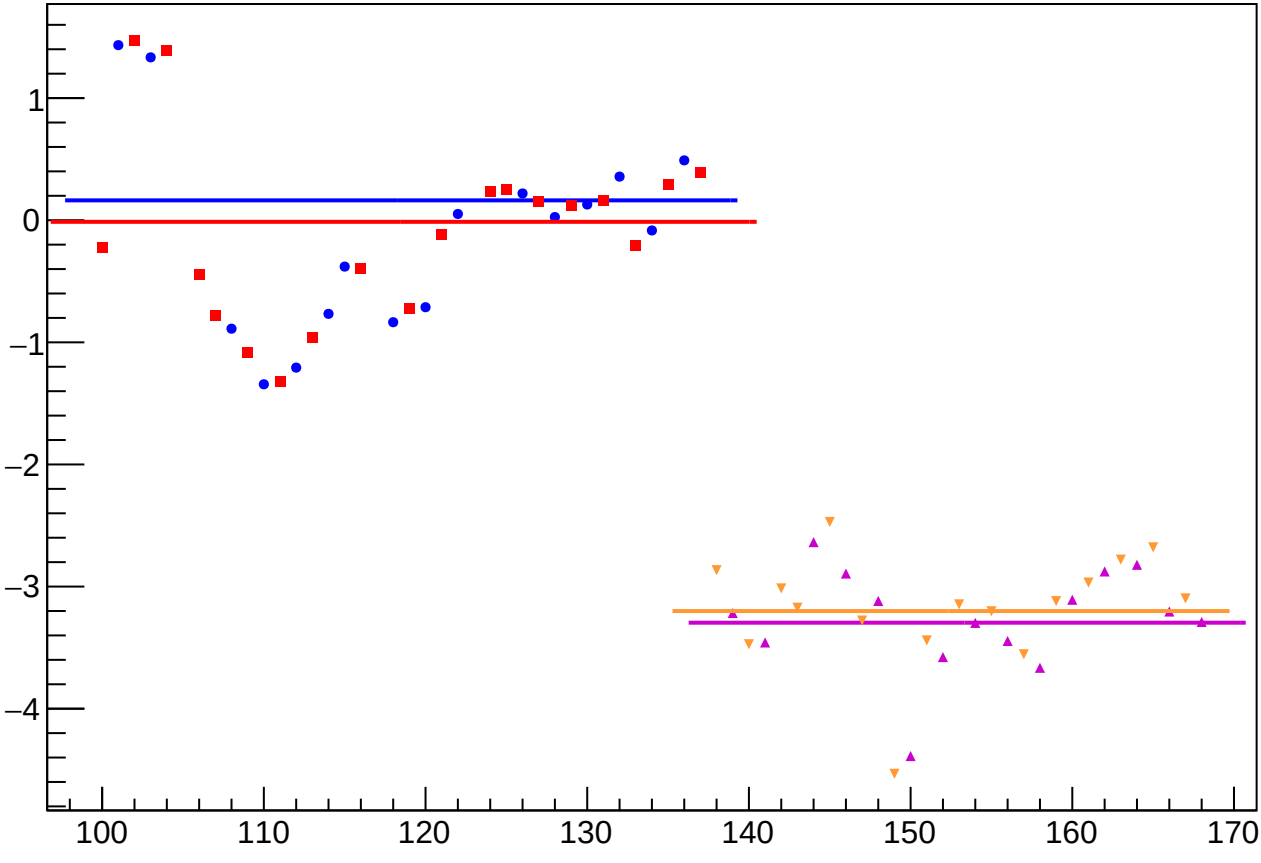
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2832197.7/30

Out: 0.007+/-0.000 χ^2/NDF:2619224.4/34

All: 0.007+/-0.000 χ^2/NDF: 5454332.9/65

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.201+/-0.000 χ^2/NDF:8101871415.0/15

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.296+/-0.000 χ^2/NDF:6281609091.4/14

Left: -3.247+/-0.000 χ^2/NDF: 14557233601.9/30

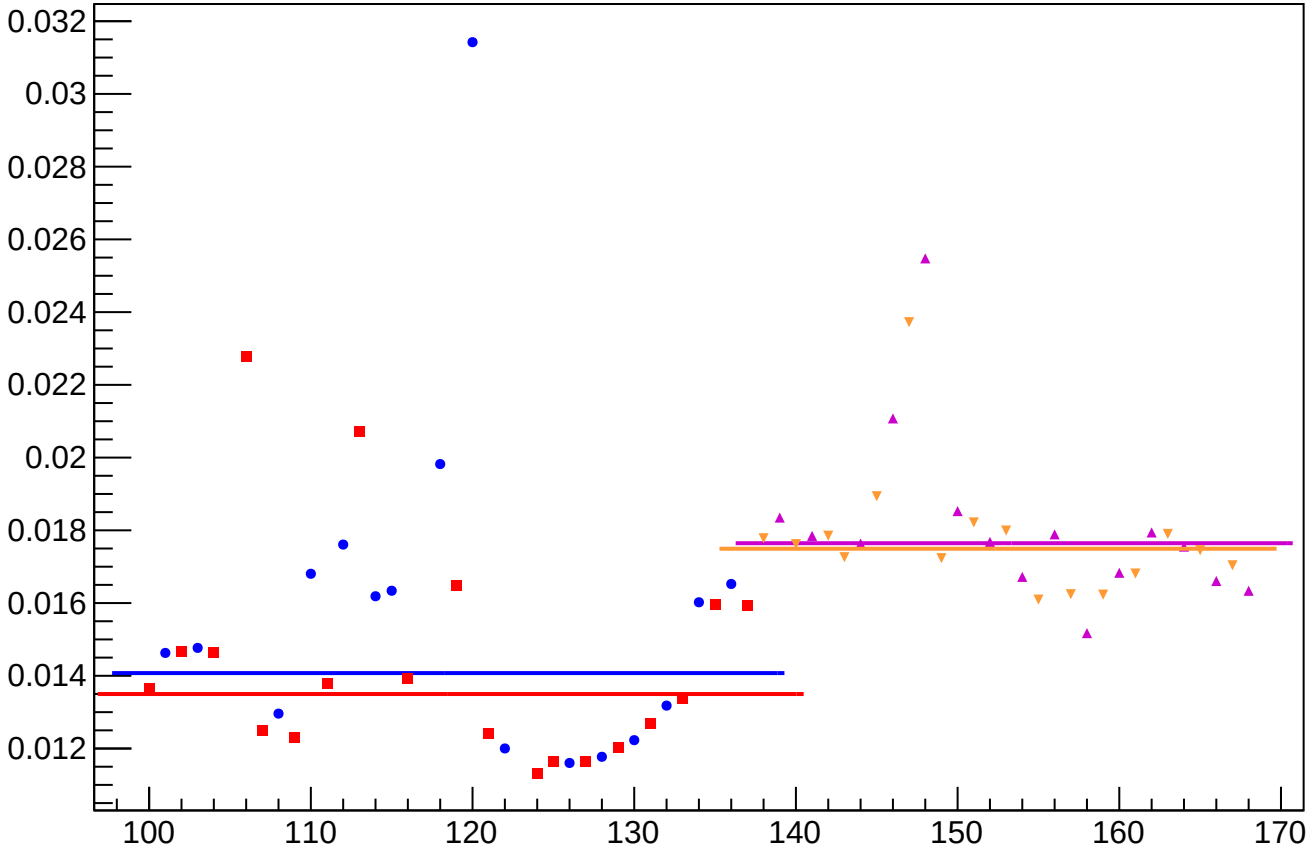
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.710+/-0.000 χ^2/NDF:230380997459.2/30

Out: -1.646+/-0.000 χ^2/NDF:224178307812.2/34

All: -1.677+/-0.000 χ^2/NDF: 454705400268.1

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:153612.4/15

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:261194.9/14

Left: 0.018+/-0.000 χ^2/NDF: 415693.6/30

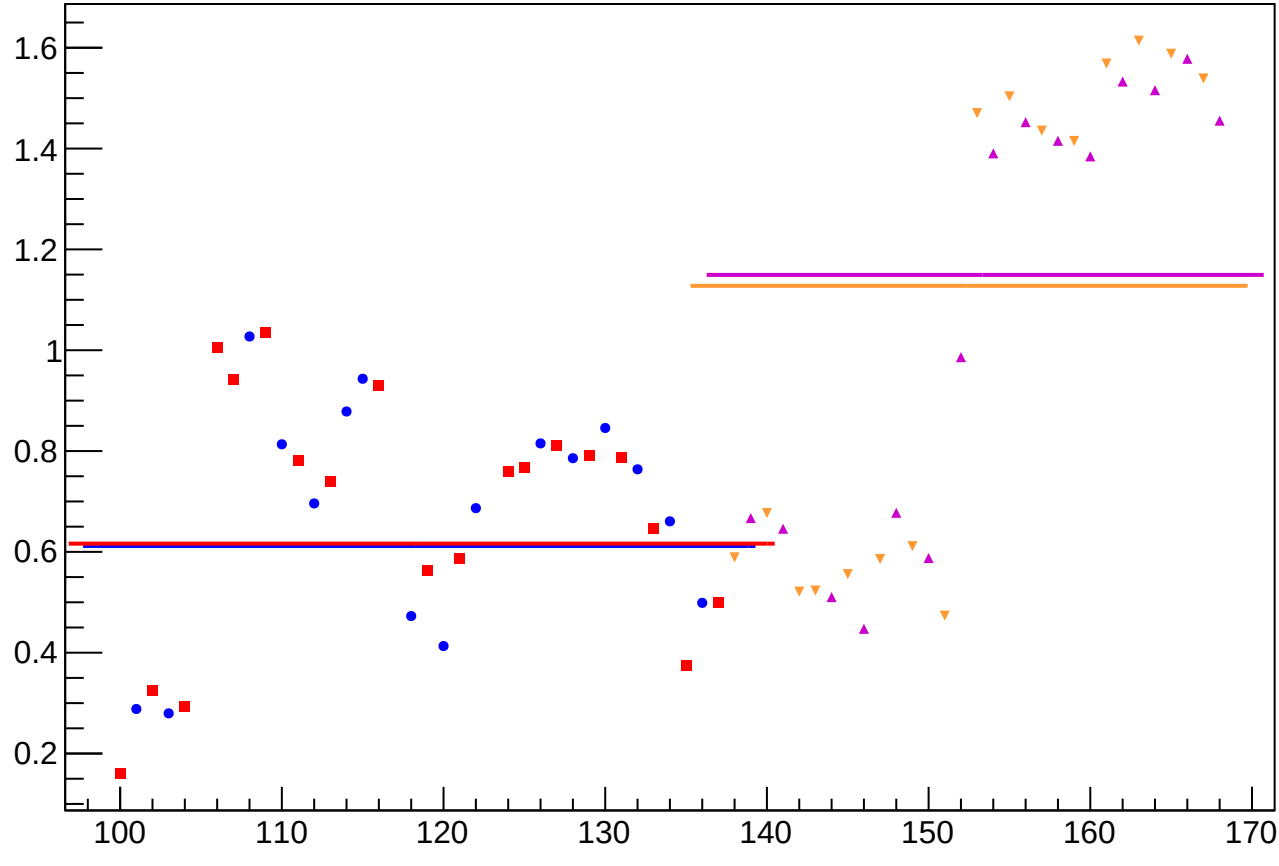
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1166380.5/30

Out: 0.016+/-0.000 χ^2/NDF:1076724.9/34

All: 0.016+/-0.000 χ^2/NDF: 2258631.9/65

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.128+/-0.000 χ^2/NDF:38354570430.5/15

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.149+/-0.000 χ^2/NDF:30950918841.0/14

Left: 1.139+/-0.000 χ^2/NDF: 69348692196.8/30

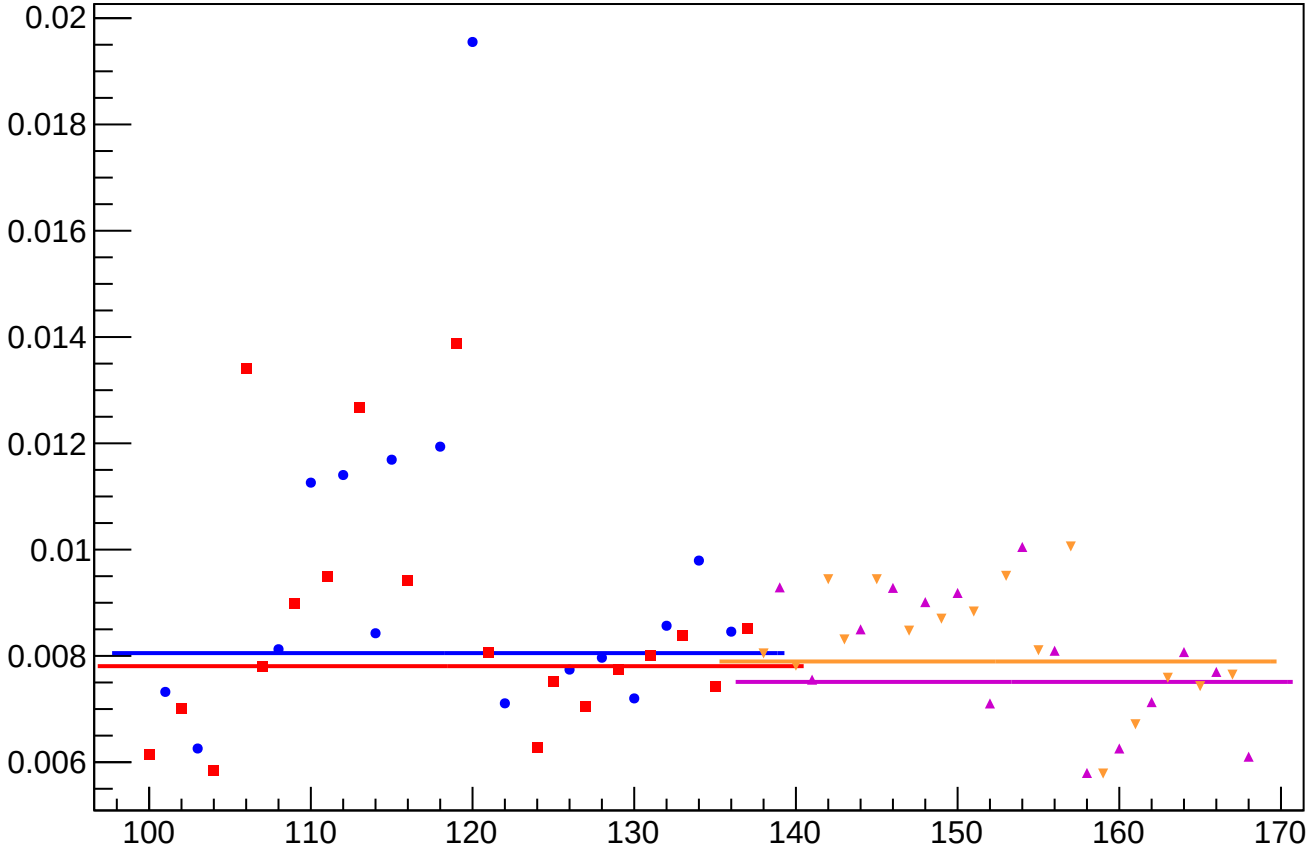
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.972+/-0.000 χ^2/NDF:54910514434.6/30

Out: 0.936+/-0.000 χ^2/NDF:61988398207.8/34

All: 0.955+/-0.000 χ^2/NDF: 117084599681.1

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:467966.5/15

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:639634.7/14

Left: 0.008+/-0.000 χ^2/NDF: 1134780.2/30

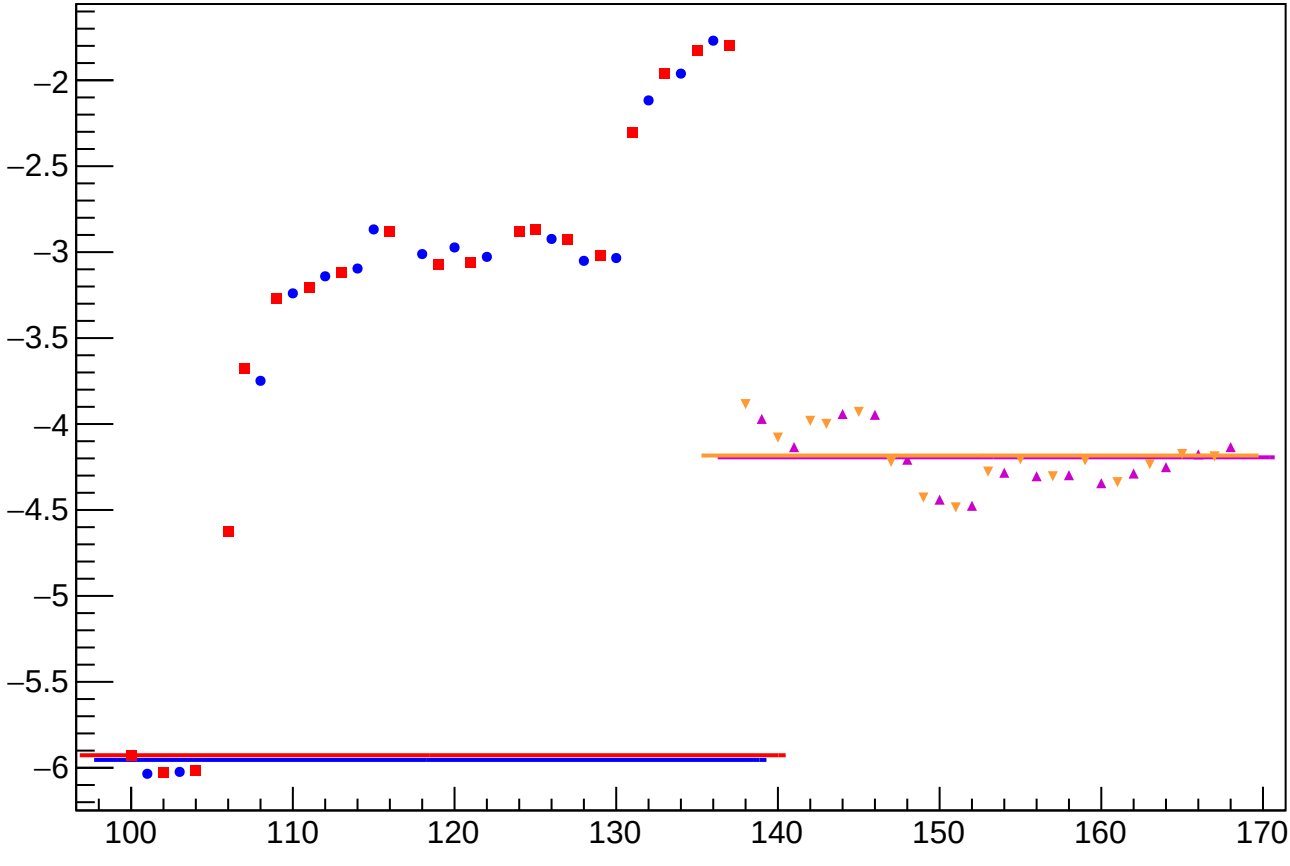
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1275161.8/30

Out: 0.008+/-0.000 χ^2/NDF:1056149.0/34

All: 0.008+/-0.000 χ^2/NDF: 2339823.7/65

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.183+/-0.000 χ^2/NDF:52564170.8/15

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.194+/-0.000 χ^2/NDF:40311324.0/14

Left: -4.189+/-0.000 χ^2/NDF: 92970732.5/30

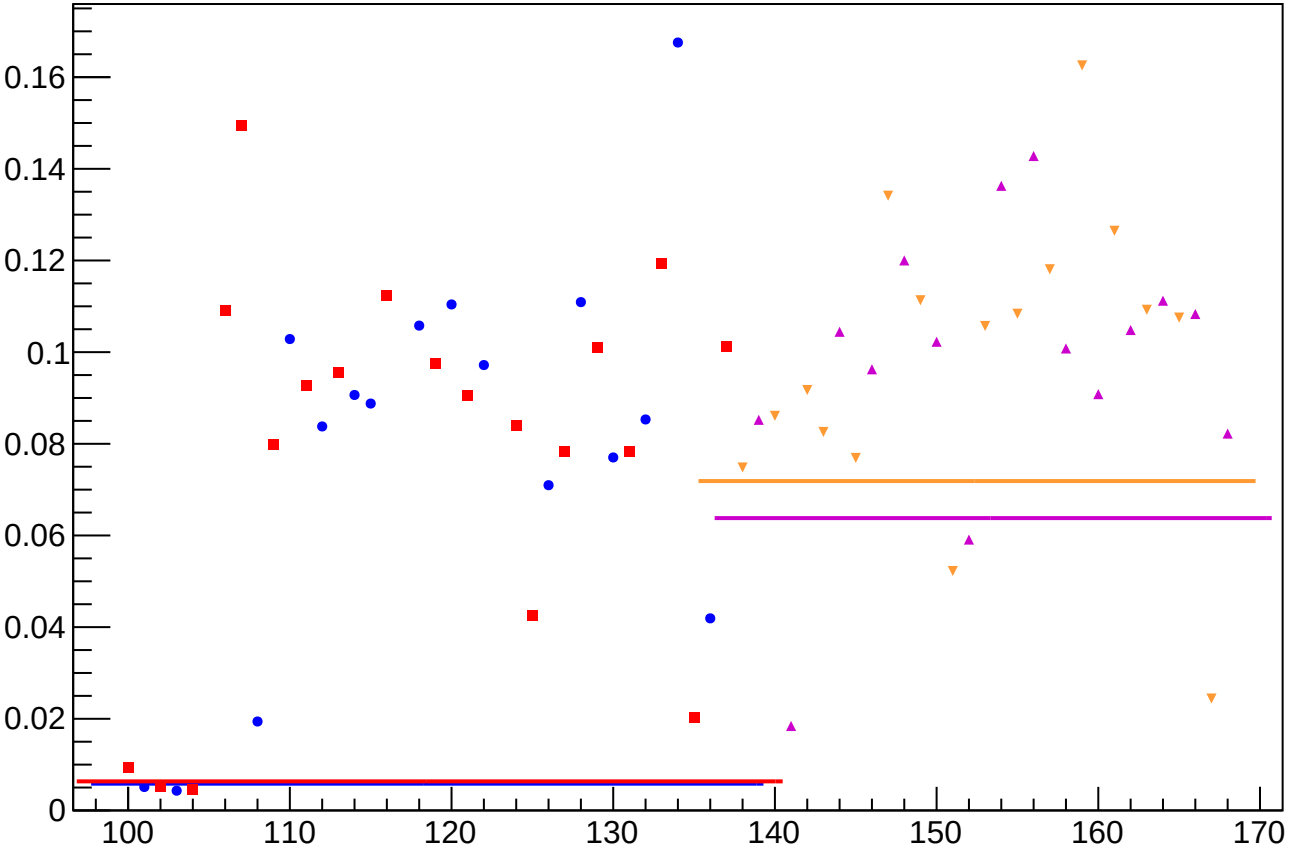
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.898+/-0.000 χ^2/NDF:18231569484.0/30

Out: -5.863+/-0.000 χ^2/NDF:18710635944.6/34

All: -5.882+/-0.000 χ^2/NDF: 36972108245.4/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.072+/-0.000 χ^2/NDF:4209987.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.064+/-0.000 χ^2/NDF:5647503.7/14

Left: 0.068+/-0.000 χ^2/NDF: 9965642.8/30

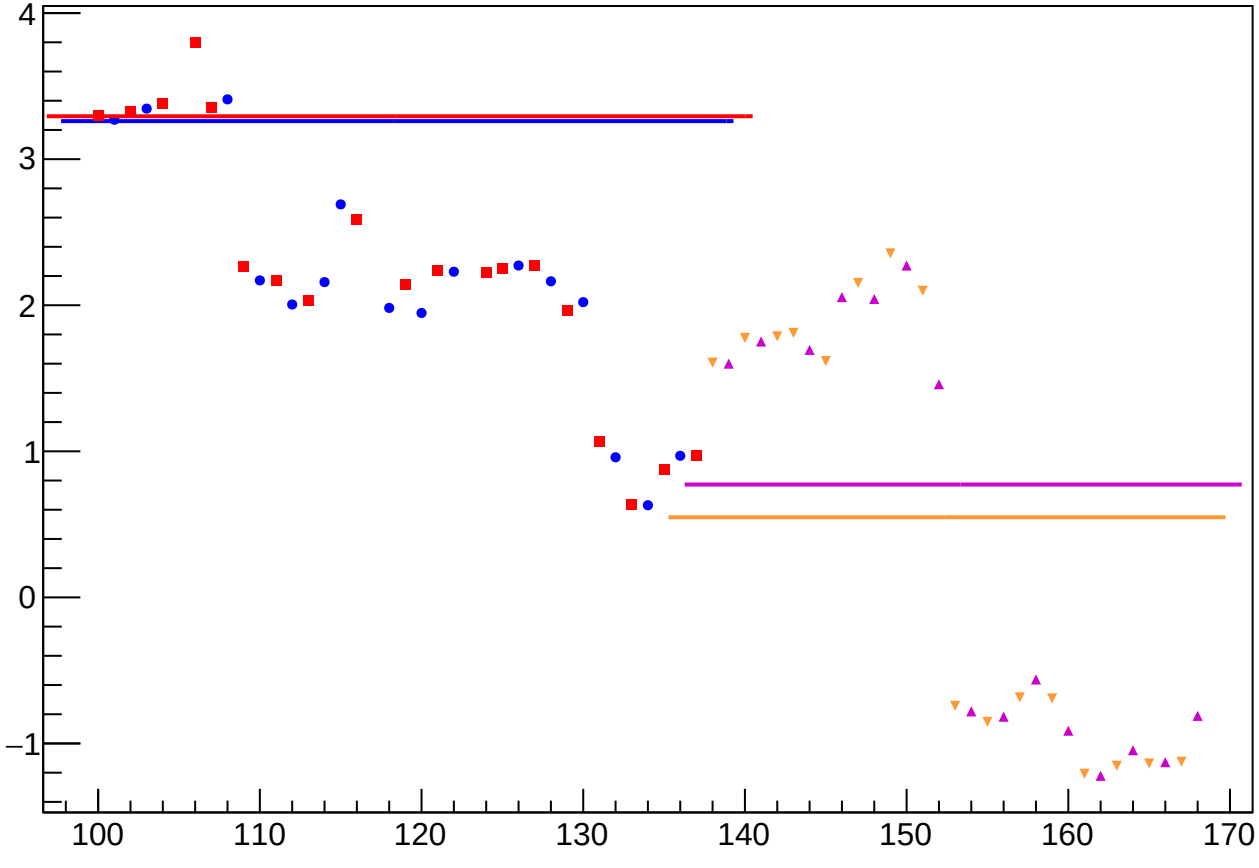
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:25383333.2/30

Out: 0.009+/-0.000 χ^2/NDF:26333834.8/34

All: 0.008+/-0.000 χ^2/NDF: 51771814.5/65

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:2803422920.4/15

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.773+/-0.000 χ^2/NDF:2008349692.1/14

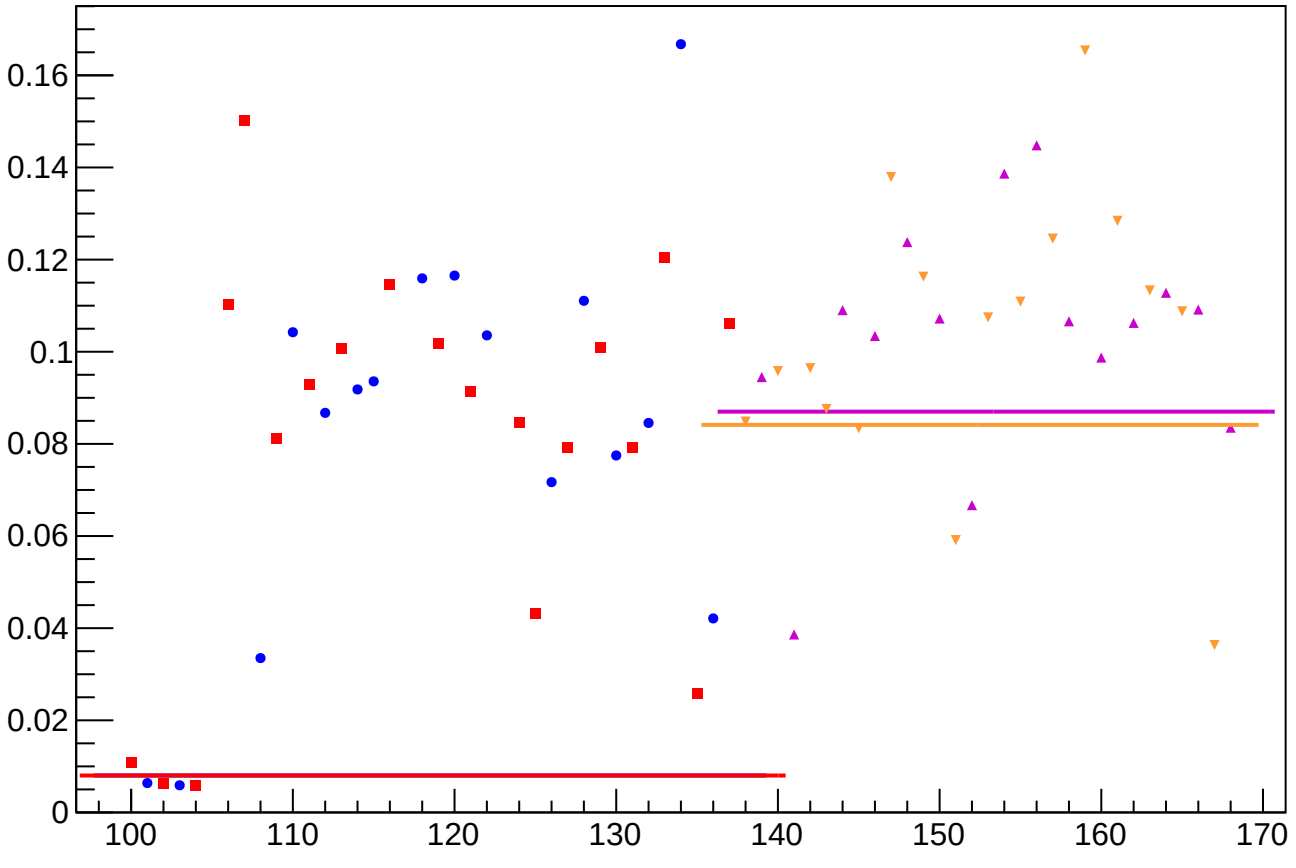
Left: 0.654+/-0.000 χ^2/NDF: 4842838663.9/30

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.170+/-0.000 χ^2/NDF:12005714955.3/30

Out: 3.176+/-0.000 χ^2/NDF:15495040025.9/34

All: 3.173+/-0.000 χ^2/NDF: 27501327453.5/6



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.084+/-0.000 χ^2/NDF:2748913.3/15

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.087+/-0.000 χ^2/NDF:2244887.9/14

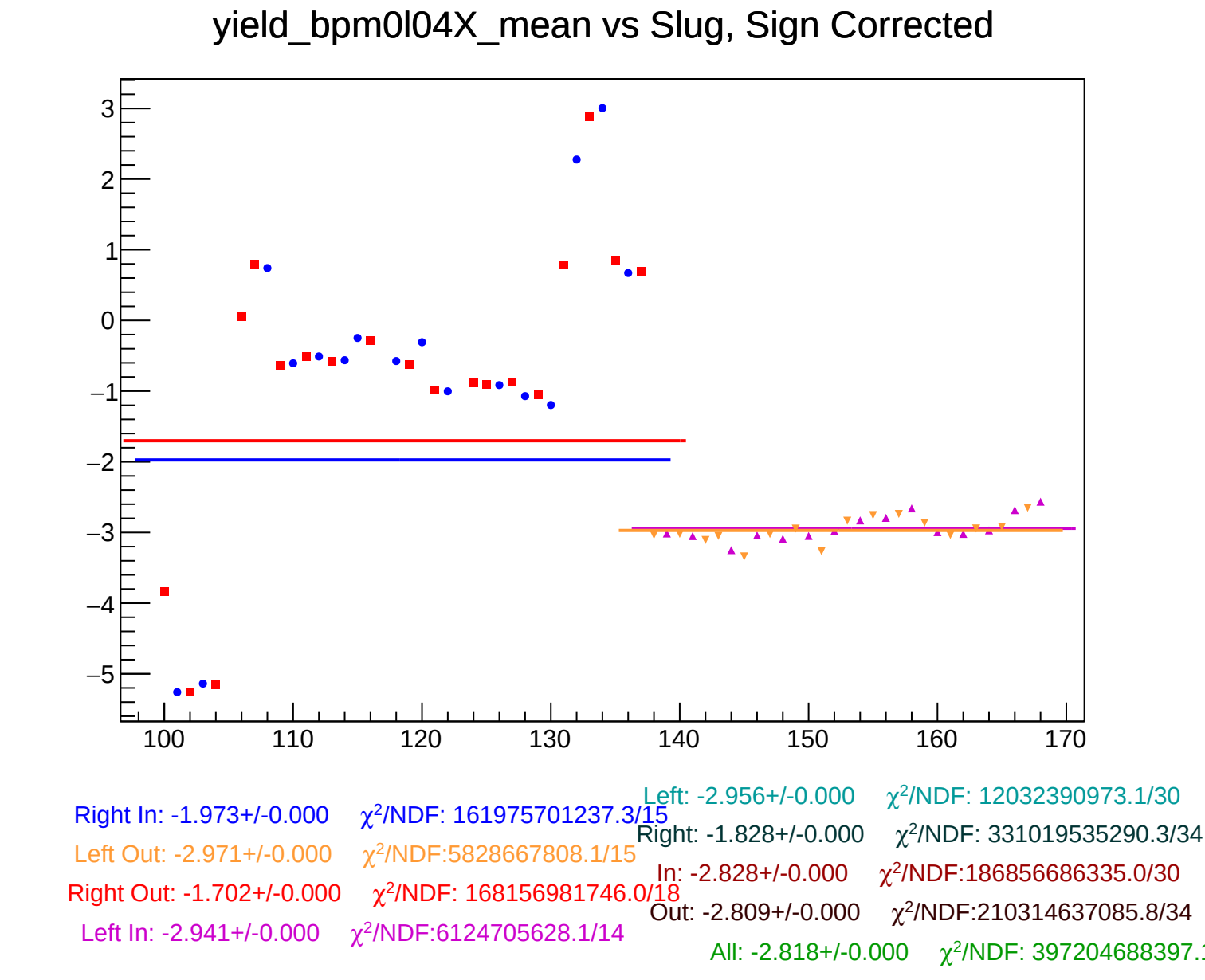
Left: 0.085+/-0.000 χ^2/NDF: 5004011.7/30

Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

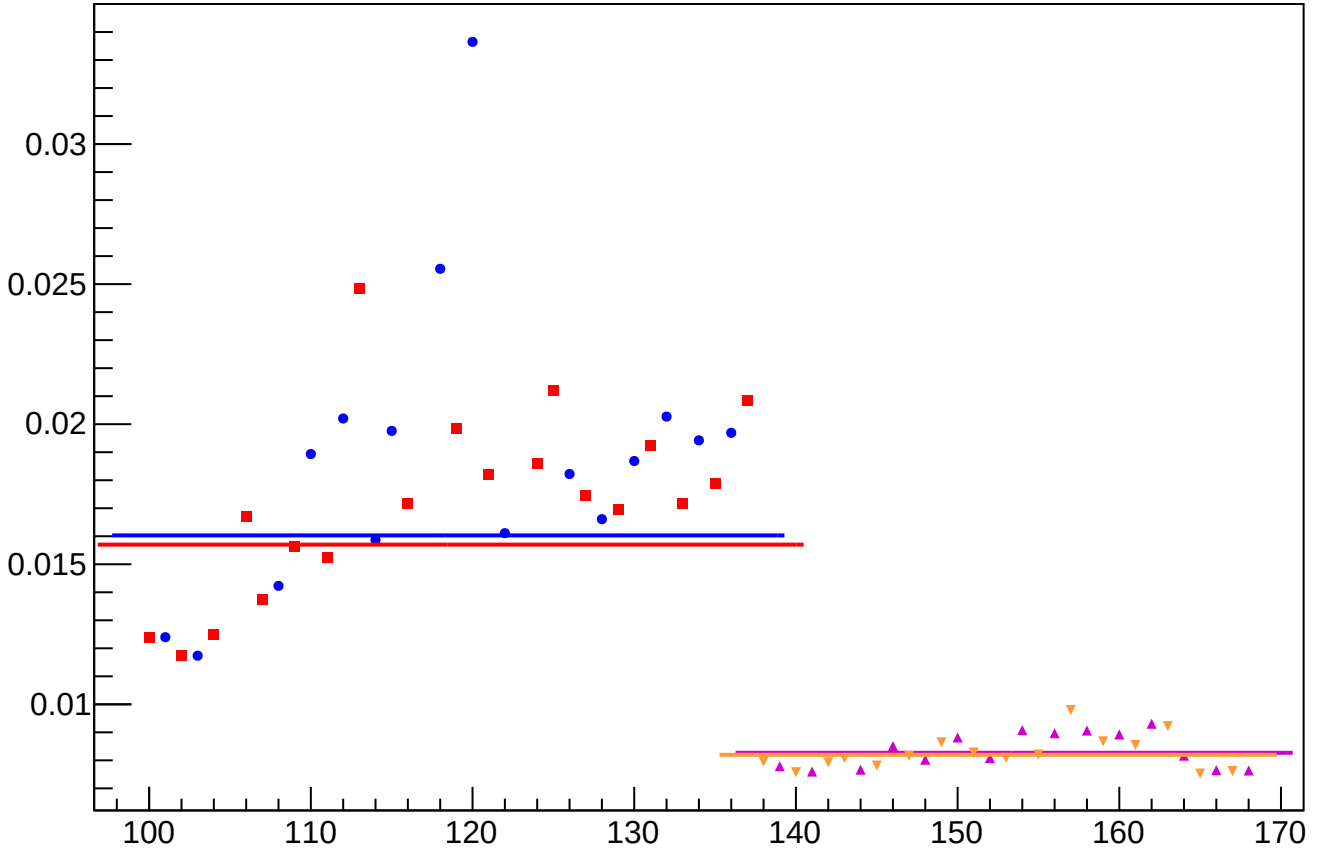
In: 0.011+/-0.000 χ^2/NDF:24743031.2/30

Out: 0.011+/-0.000 χ^2/NDF:25813808.0/34

All: 0.011+/-0.000 χ^2/NDF: 50561468.4/65


yield_bpm0l04X_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
Right In: -1.973+/-0.000 χ²/NDF: 161975701237.3/15
Left Out: -2.971+/-0.000 χ²/NDF:5828667808.1/15
Right Out: -1.702+/-0.000 χ²/NDF: 168156981746.0/18
Left In: -2.941+/-0.000 χ²/NDF:6124705628.1/14
Left: -2.956+/-0.000 χ²/NDF: 12032390973.1/30
Right: -1.828+/-0.000 χ²/NDF: 331019535290.3/34
In: -2.828+/-0.000 χ²/NDF:186856686335.0/30
Out: -2.809+/-0.000 χ²/NDF:210314637085.8/34
All: -2.818+/-0.000 χ²/NDF: 397204688397.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:107447.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:121574.8/14

Left: 0.008+/-0.000 χ^2/NDF: 229932.1/30

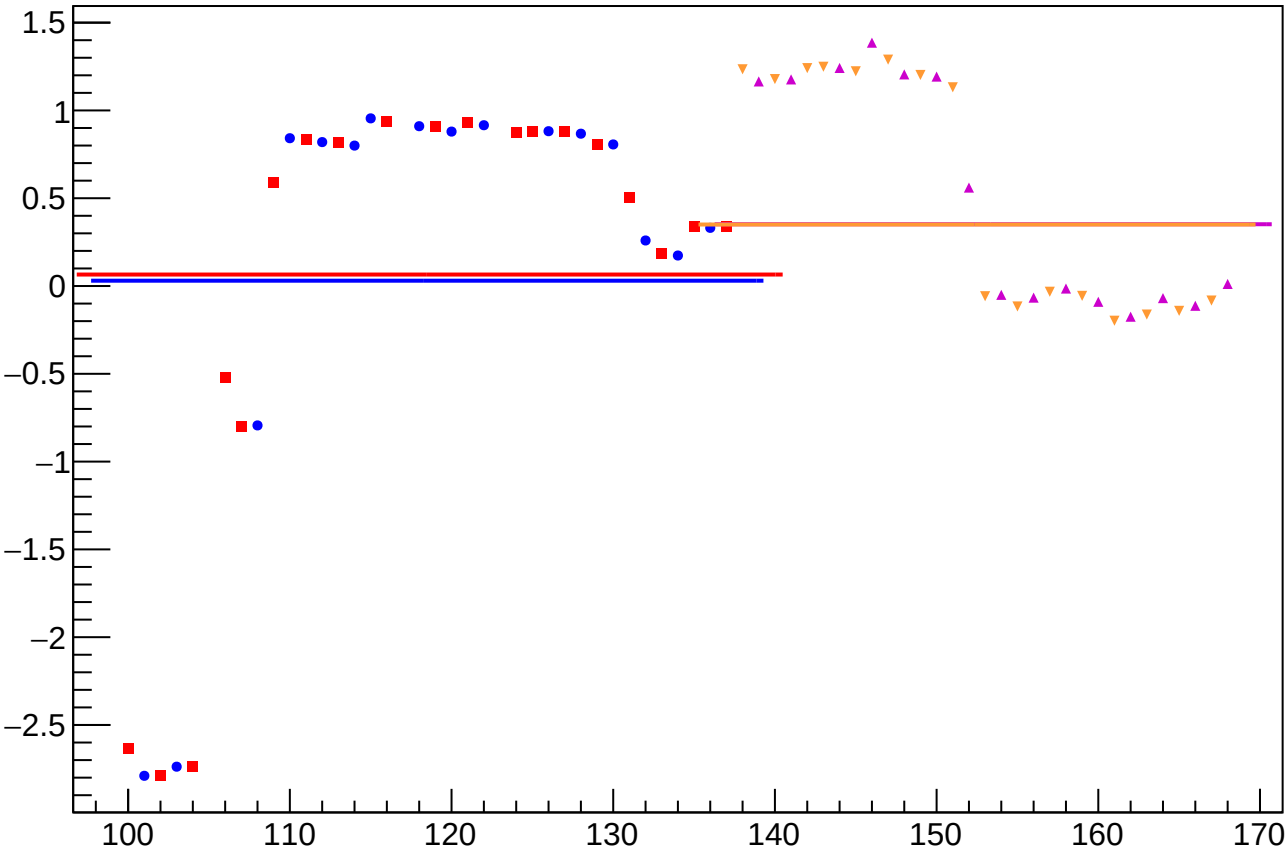
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3266622.9/30

Out: 0.009+/-0.000 χ^2/NDF:3150303.7/34

All: 0.009+/-0.000 χ^2/NDF: 6417039.5/65

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.350+/-0.000 χ^2/NDF:92446587535.7/15

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.352+/-0.000 χ^2/NDF:75875632035.5/14

Left: 0.351+/-0.000 χ^2/NDF: 168322505621.3/30

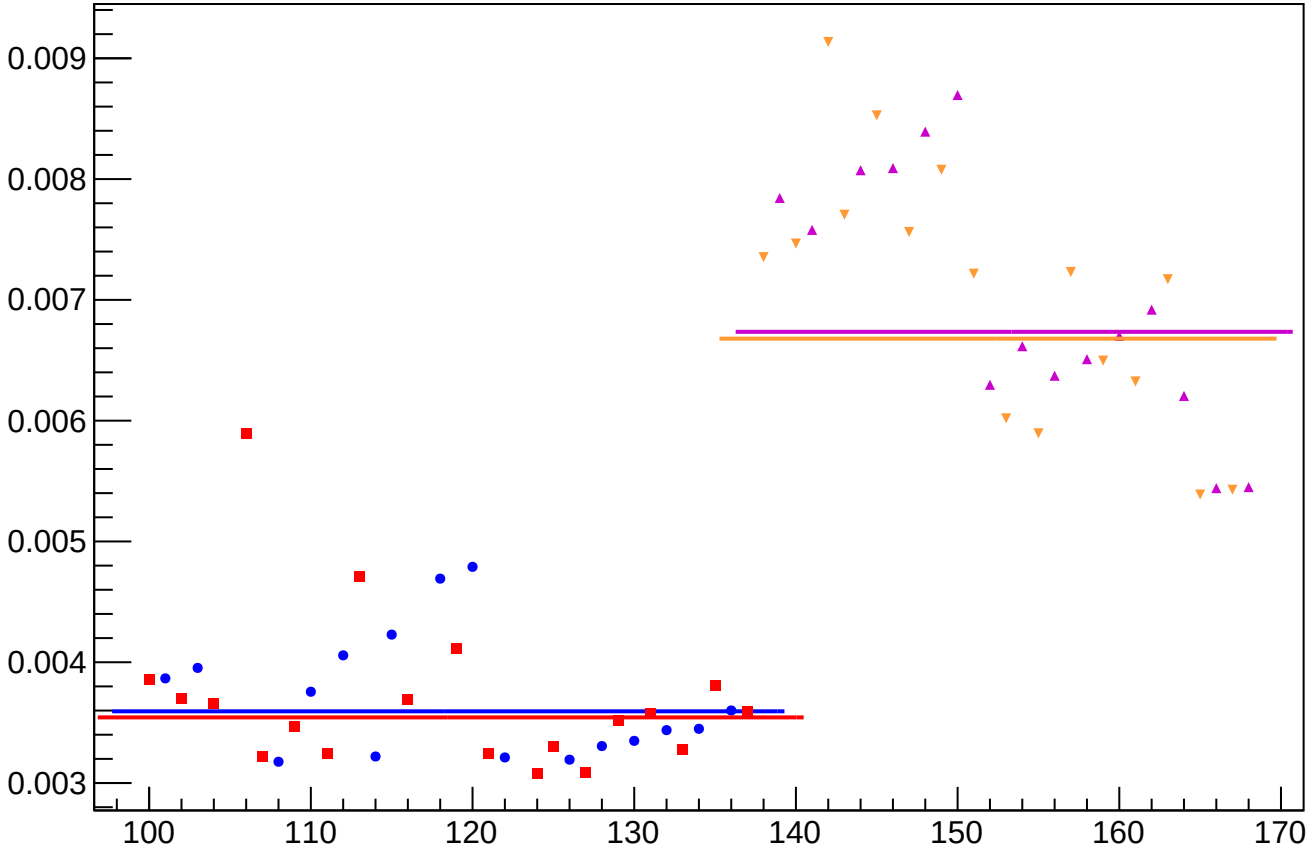
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.128+/-0.000 χ^2/NDF:943948916389.7/30

Out: 0.149+/-0.000 χ^2/NDF:1041278396527.0/34

All: 0.139+/-0.000 χ^2/NDF: 1985396558229.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:439567.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:431776.5/14

Left: 0.007+/-0.000 χ^2/NDF: 872077.6/30

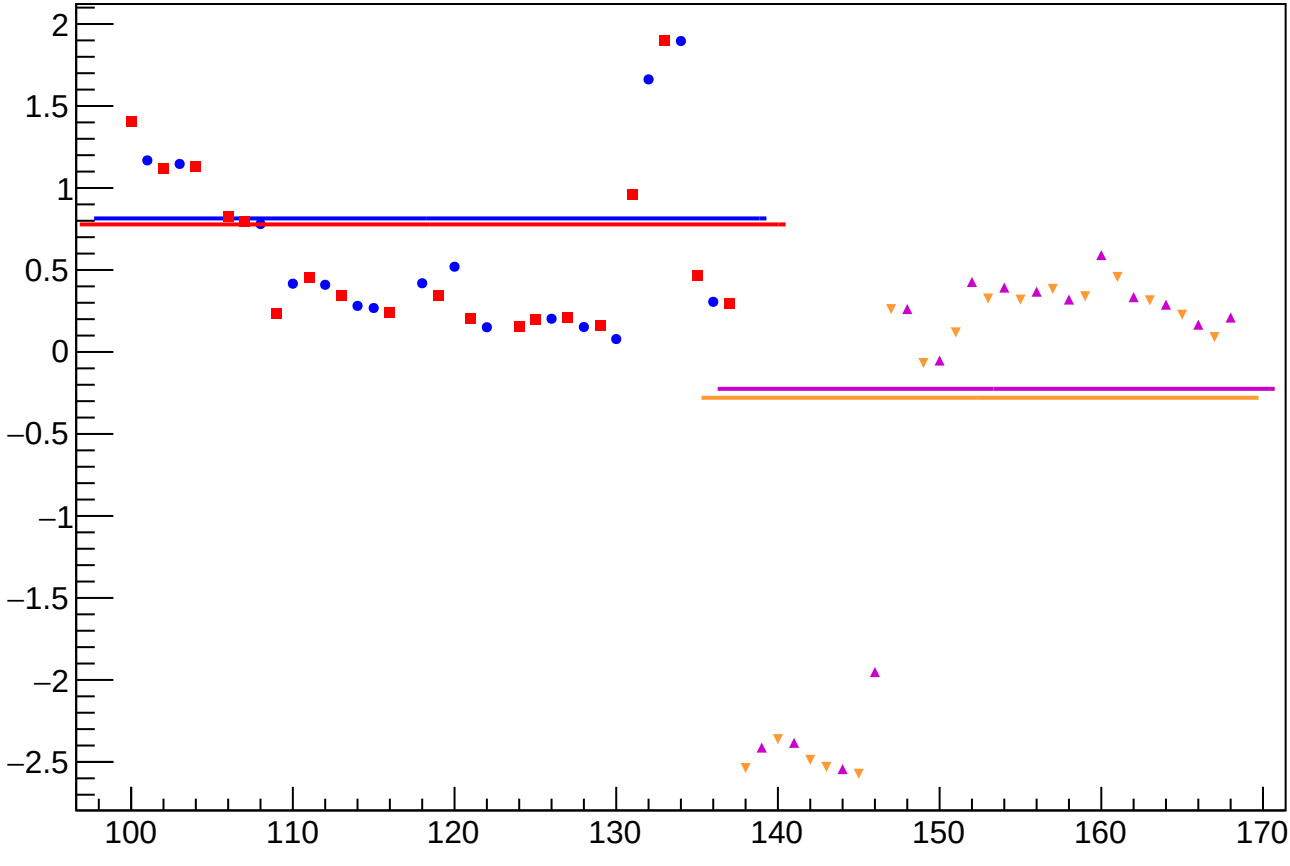
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3741692.8/30

Out: 0.004+/-0.000 χ^2/NDF:3898357.6/34

All: 0.005+/-0.000 χ^2/NDF: 7645581.7/65

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.279+/-0.000 χ^2/NDF:358075475412.1/15

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.225+/-0.000 χ^2/NDF:325178726845.4/14

Left: -0.252+/-0.000 χ^2/NDF: 683687479927.0/30

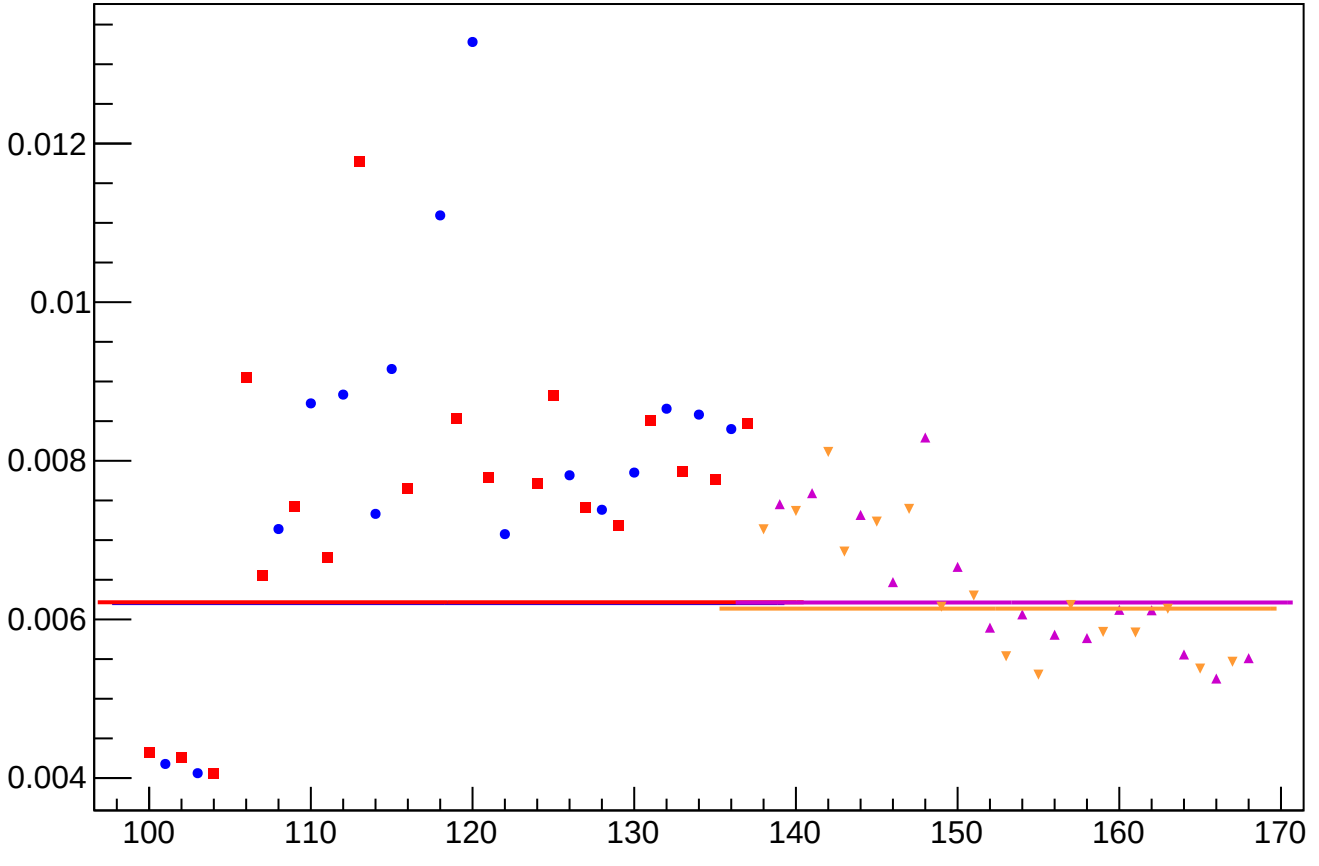
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.122+/-0.000 χ^2/NDF:464446245445.4/30

Out: 0.084+/-0.000 χ^2/NDF:506709903691.8/34

All: 0.102+/-0.000 χ^2/NDF: 971473098021.8

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:309244.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:333920.3/14

Left: 0.006+/-0.000 χ^2/NDF: 644906.7/30

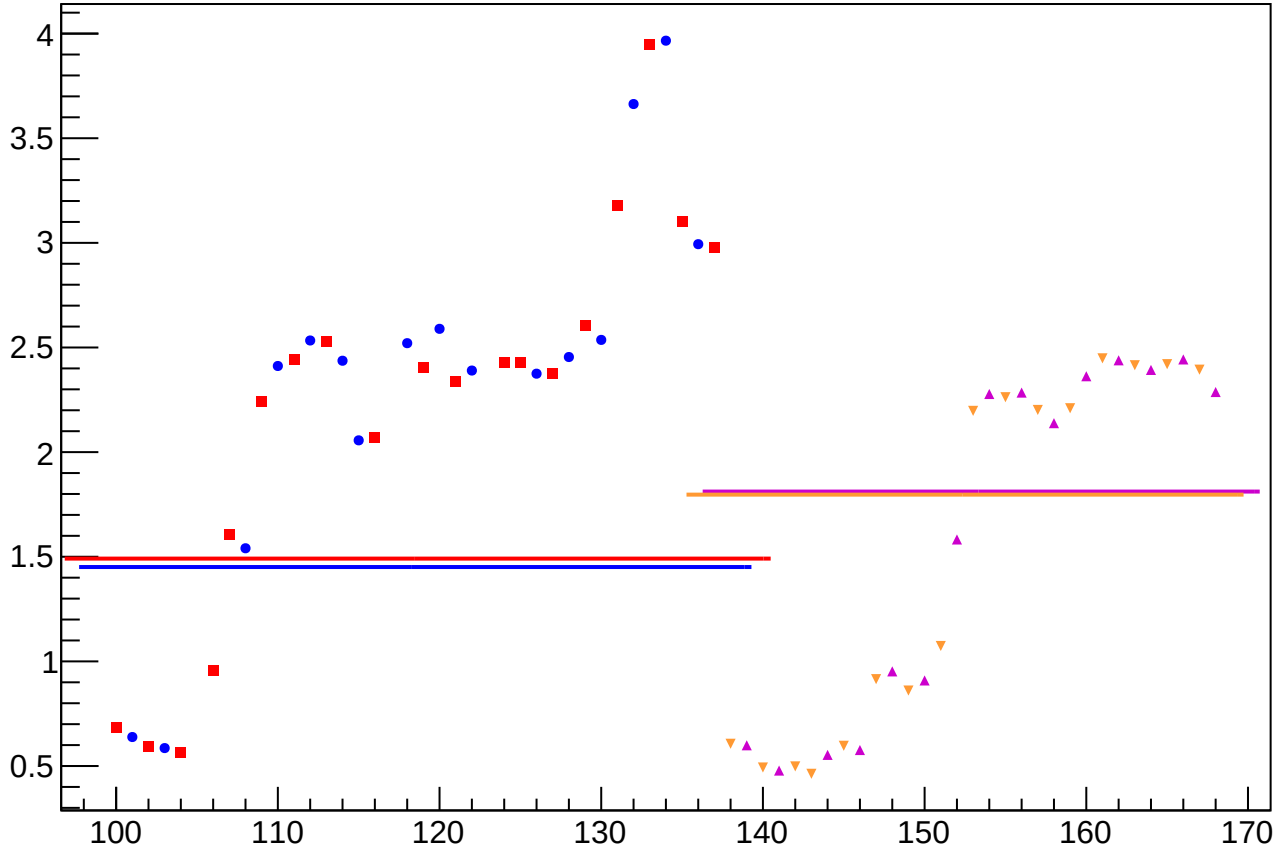
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1757817.2/30

Out: 0.006+/-0.000 χ^2/NDF:1471669.4/34

All: 0.006+/-0.000 χ^2/NDF: 3230471.1/65

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.797+/-0.000 χ^2/NDF:187989274310.2/15

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.812+/-0.000 χ^2/NDF:162928308903.1/14

Left: 1.804+/-0.000 χ^2/NDF: 350950254794.4/30

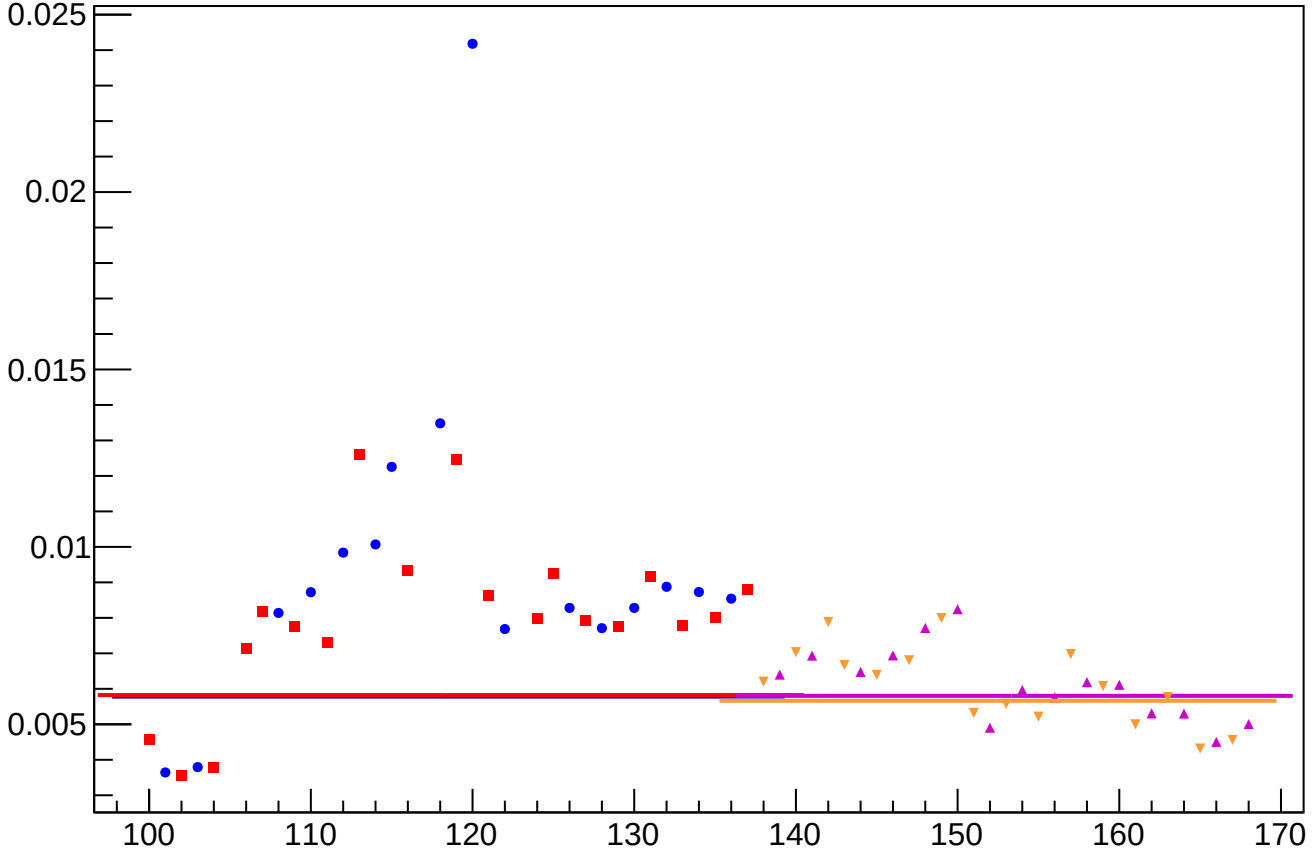
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.691+/-0.000 χ^2/NDF:345521293068.7/30

Out: 1.693+/-0.000 χ^2/NDF:384898575510.5/34

All: 1.692+/-0.000 χ^2/NDF: 730421078876.5

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:591901.5/15

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:512468.3/14

Left: 0.006+/-0.000 χ^2/NDF: 1110264.2/30

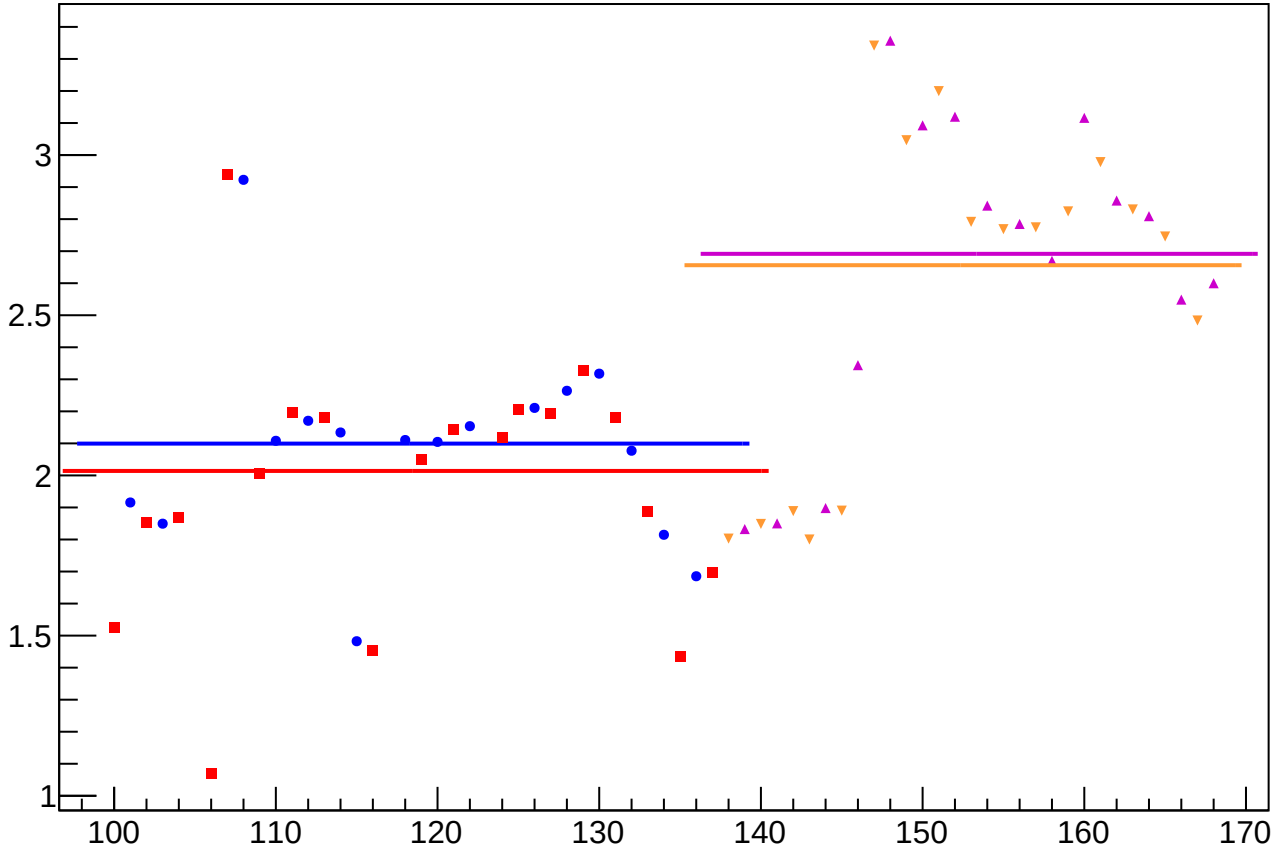
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2726446.0/30

Out: 0.006+/-0.000 χ^2/NDF:2553156.0/34

All: 0.006+/-0.000 χ^2/NDF: 5282342.8/65

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.656+/-0.000 χ^2/NDF:43394309198.8/15

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.692+/-0.000 χ^2/NDF:36607932805.3/14

Left: 2.674+/-0.000 χ^2/NDF: 80121484962.3/30

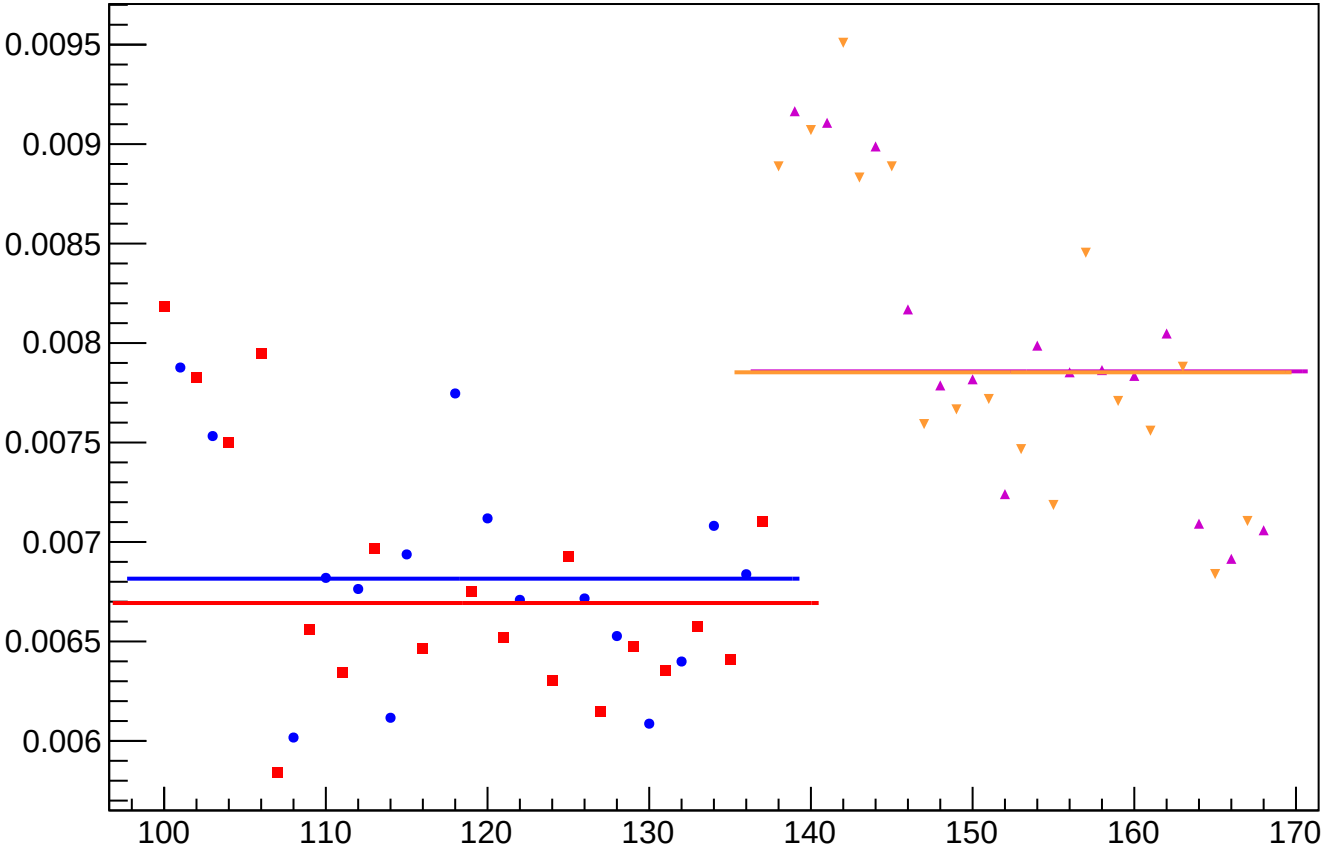
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.432+/-0.000 χ^2/NDF:79524745551.1/30

Out: 2.363+/-0.000 χ^2/NDF:98772340667.0/34

All: 2.397+/-0.000 χ^2/NDF: 179111324138.1

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:184715.9/15

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:161867.1/14

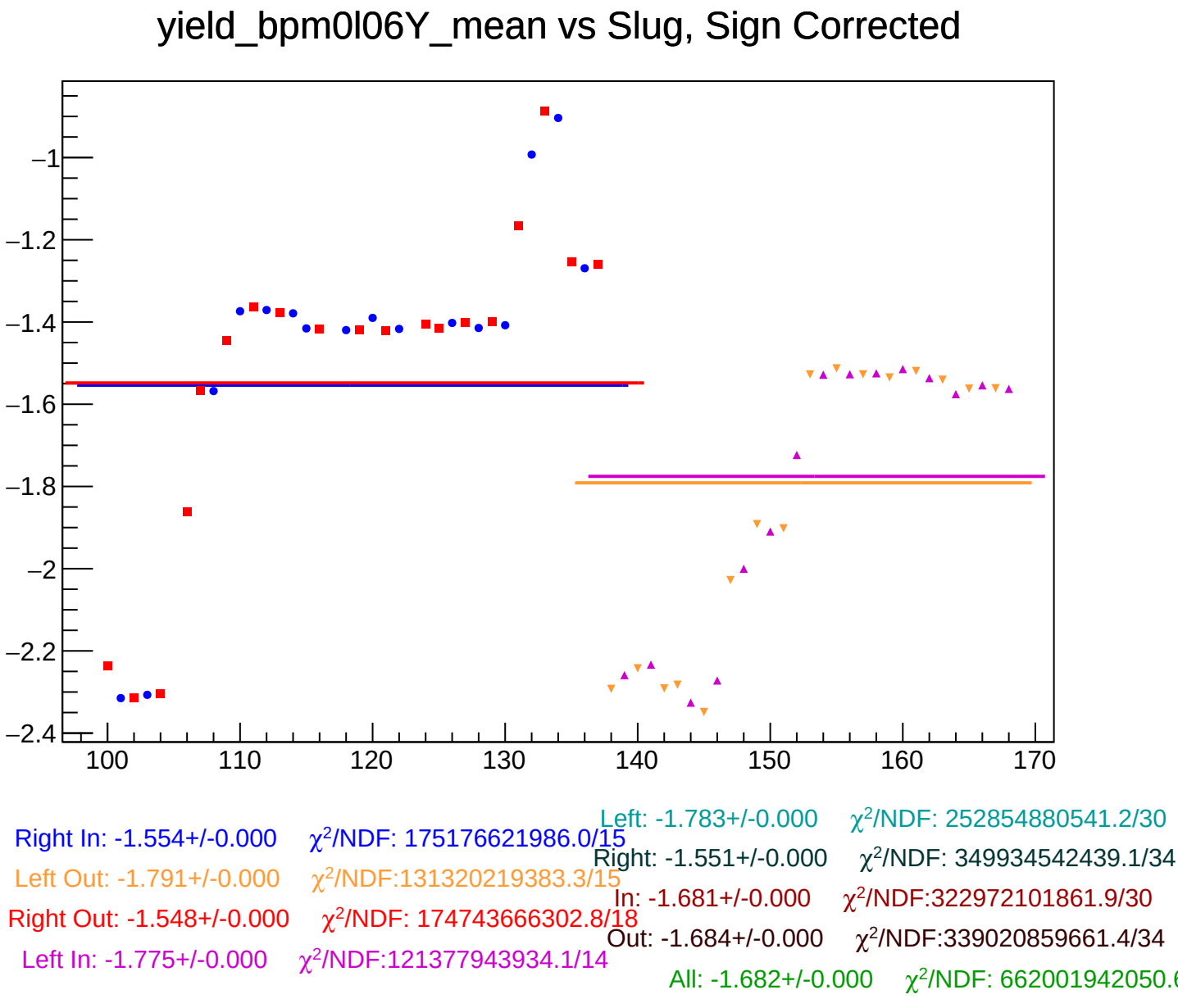
Left: 0.008+/-0.000 χ^2/NDF: 346587.2/30

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

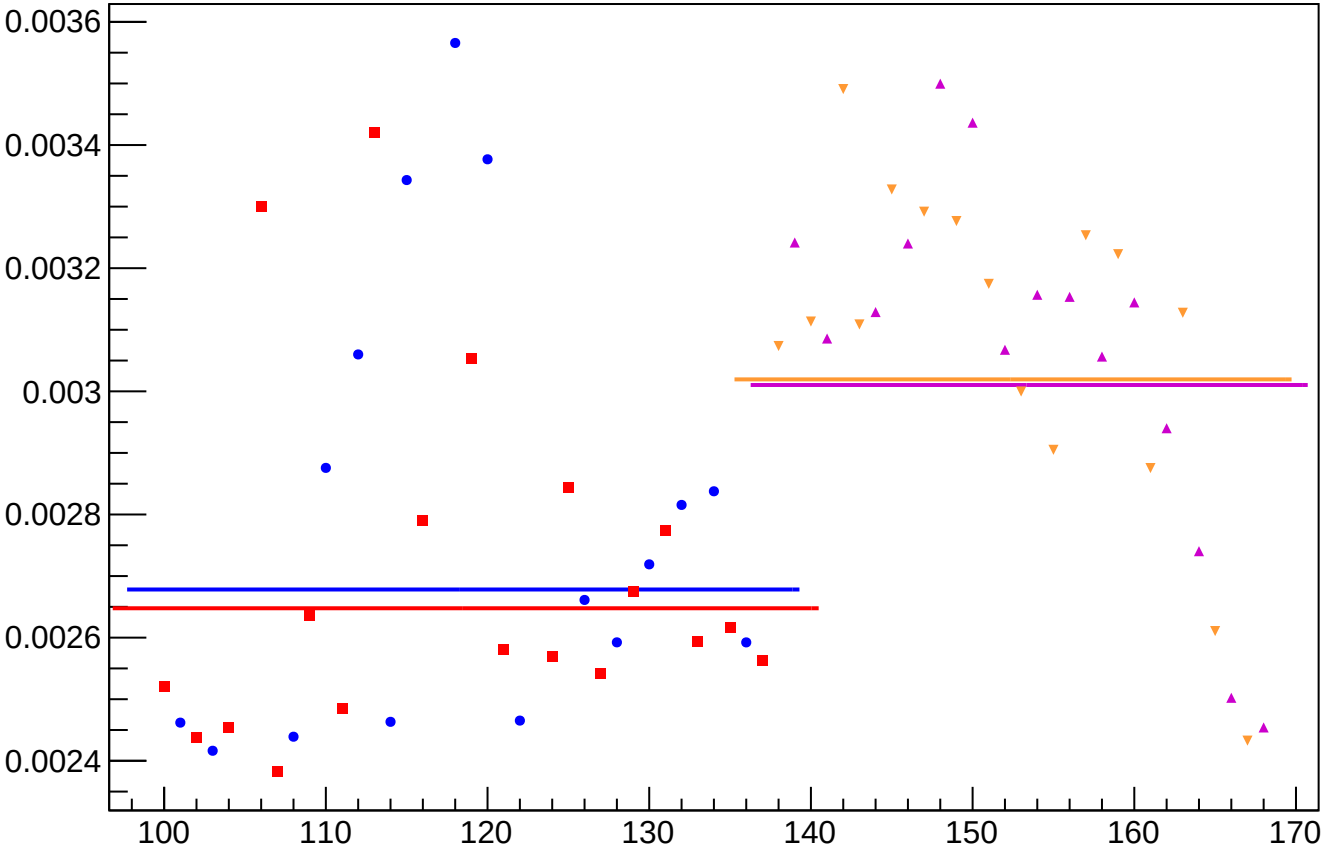
In: 0.007+/-0.000 χ^2/NDF:428090.6/30

Out: 0.007+/-0.000 χ^2/NDF:505841.4/34

All: 0.007+/-0.000 χ^2/NDF: 935976.8/65


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.791+/-0.000 χ²/NDF:131320219383.3/15
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.775+/-0.000 χ²/NDF:121377943934.1/14
Left: -1.783+/-0.000 χ²/NDF: 252854880541.2/30
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.681+/-0.000 χ²/NDF:322972101861.9/30
Out: -1.684+/-0.000 χ²/NDF:339020859661.4/34
All: -1.682+/-0.000 χ²/NDF: 662001942050.6

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:198136.6/15

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:231292.5/14

Left: 0.003+/-0.000 χ^2/NDF: 429533.5/30

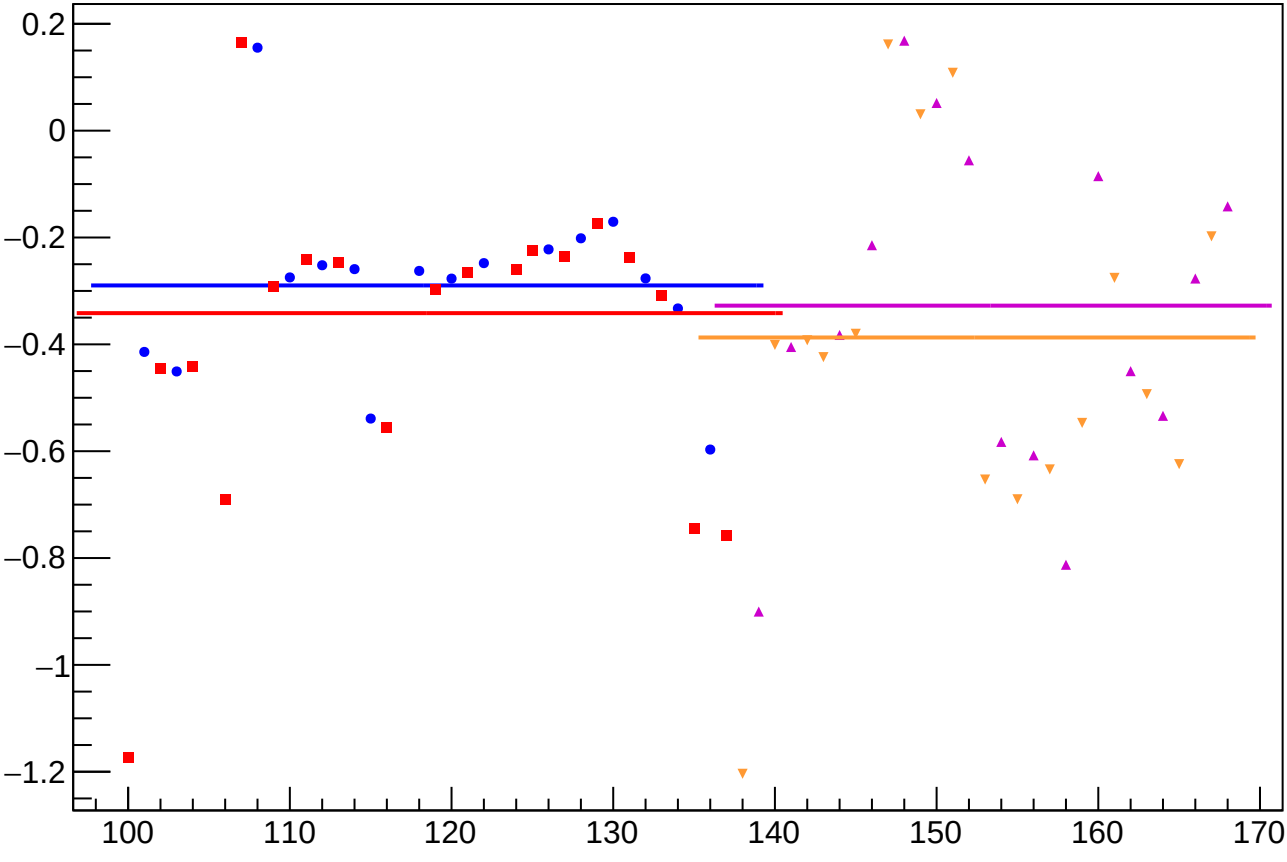
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:507638.3/30

Out: 0.003+/-0.000 χ^2/NDF:468508.4/34

All: 0.003+/-0.000 χ^2/NDF: 976566.9/65

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7475832128.3/15

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.328+/-0.000 χ^2/NDF:6076061224.6/14

Left: -0.357+/-0.000 χ^2/NDF: 13672618755.9/30

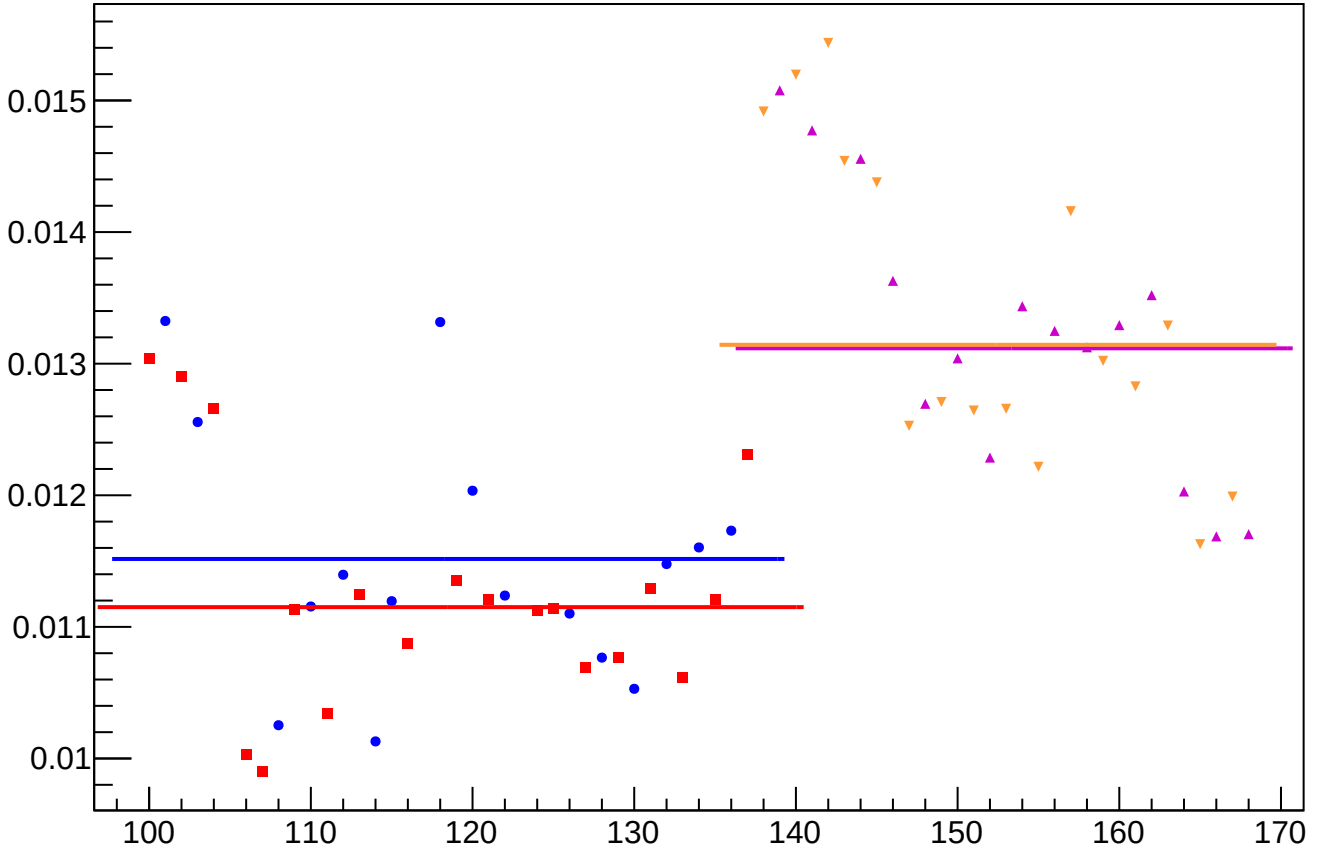
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.311+/-0.000 χ^2/NDF:7763332338.3/30

Out: -0.366+/-0.000 χ^2/NDF:10150441946.9/34

All: -0.339+/-0.000 χ^2/NDF: 18100440596.8/

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:153647.4/15

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:128536.5/14

Left: 0.013+/-0.000 χ^2/NDF: 282233.0/30

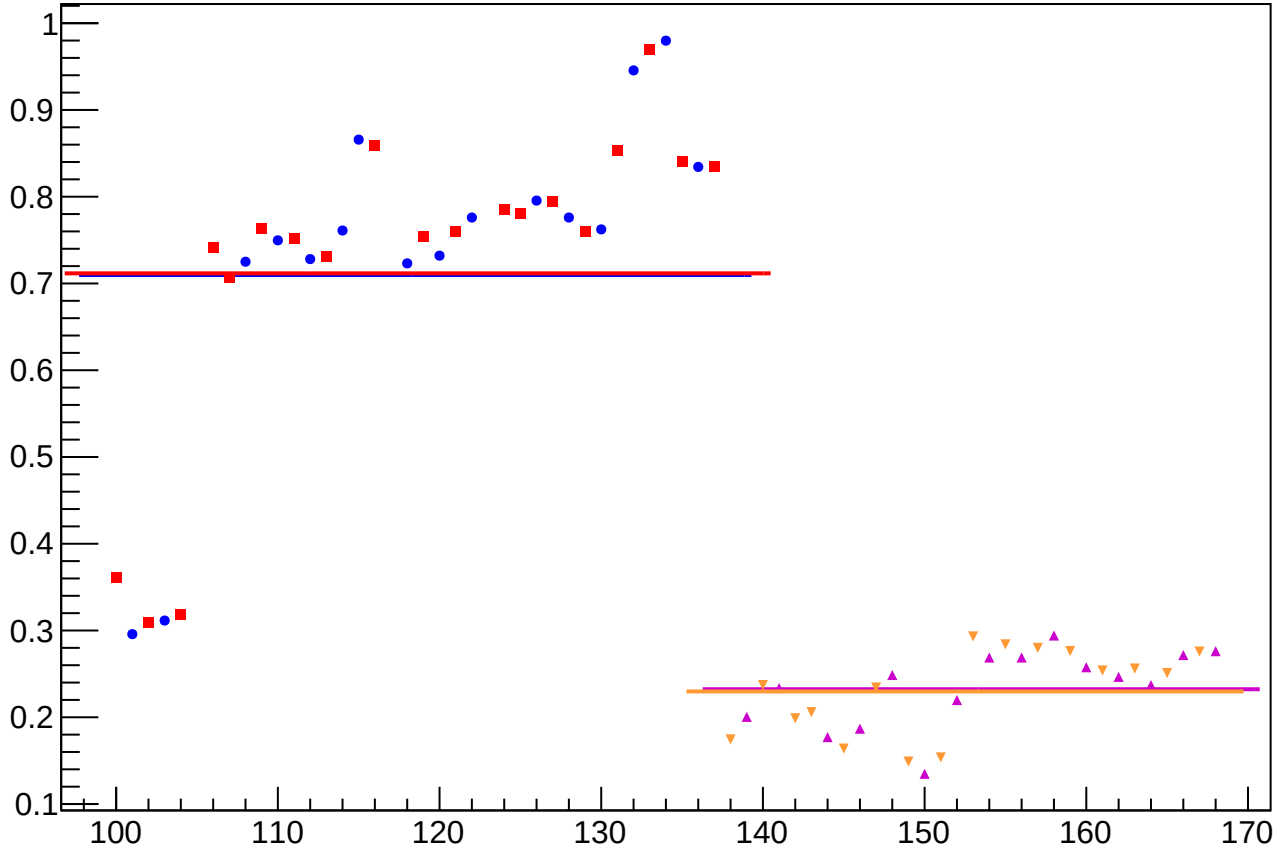
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:363580.2/30

Out: 0.012+/-0.000 χ^2/NDF:474232.7/34

All: 0.012+/-0.000 χ^2/NDF: 842479.7/65

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.230+/-0.000 χ^2/NDF:6082923307.9/15

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.232+/-0.000 χ^2/NDF:4988262744.7/14

Left: 0.231+/-0.000 χ^2/NDF: 11079636734.9/30

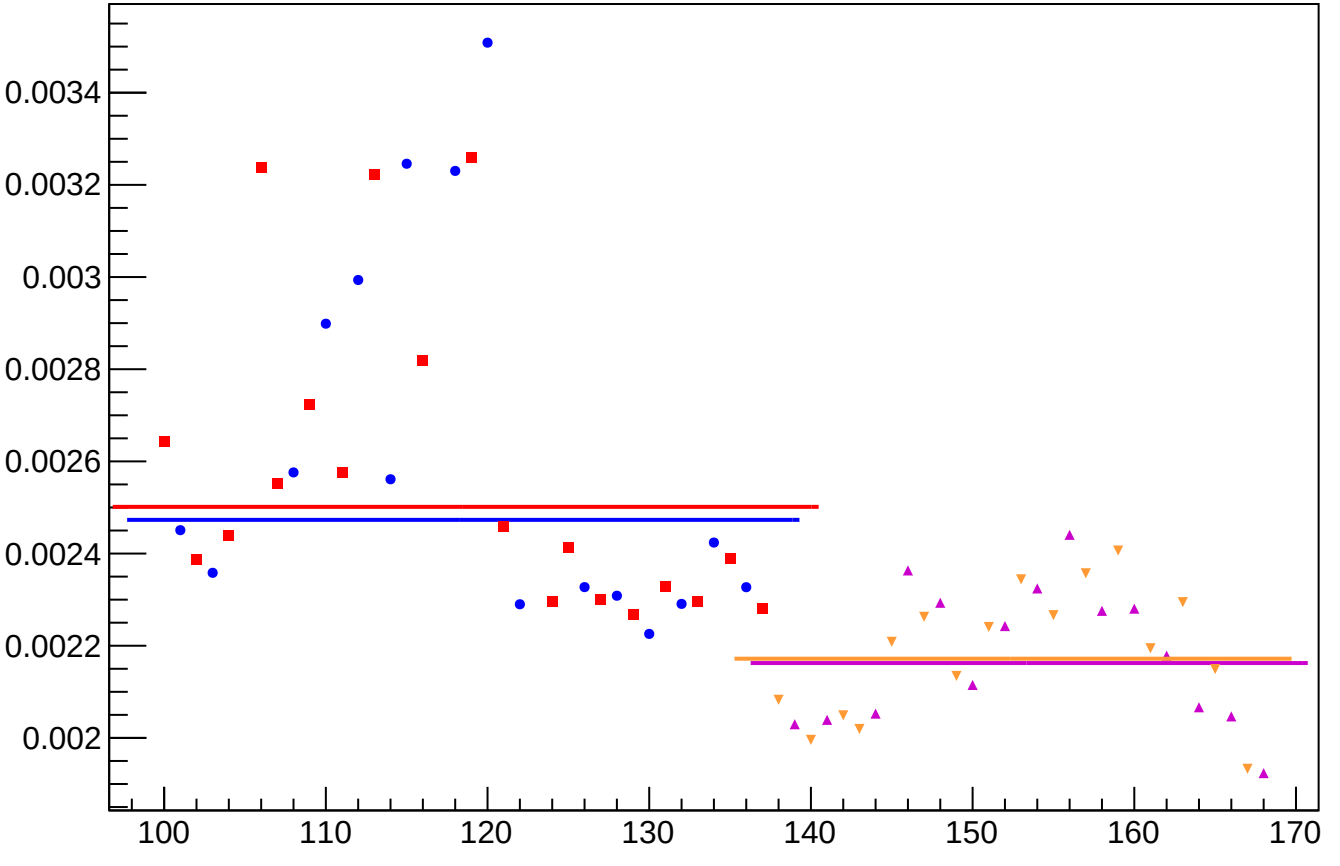
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.375+/-0.000 χ^2/NDF:232023464483.0/30

Out: 0.374+/-0.000 χ^2/NDF:233252466853.6/34

All: 0.374+/-0.000 χ^2/NDF: 465278444610.1

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:101031.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:111174.7/14

Left: 0.002+/-0.000 χ^2/NDF: 212440.6/30

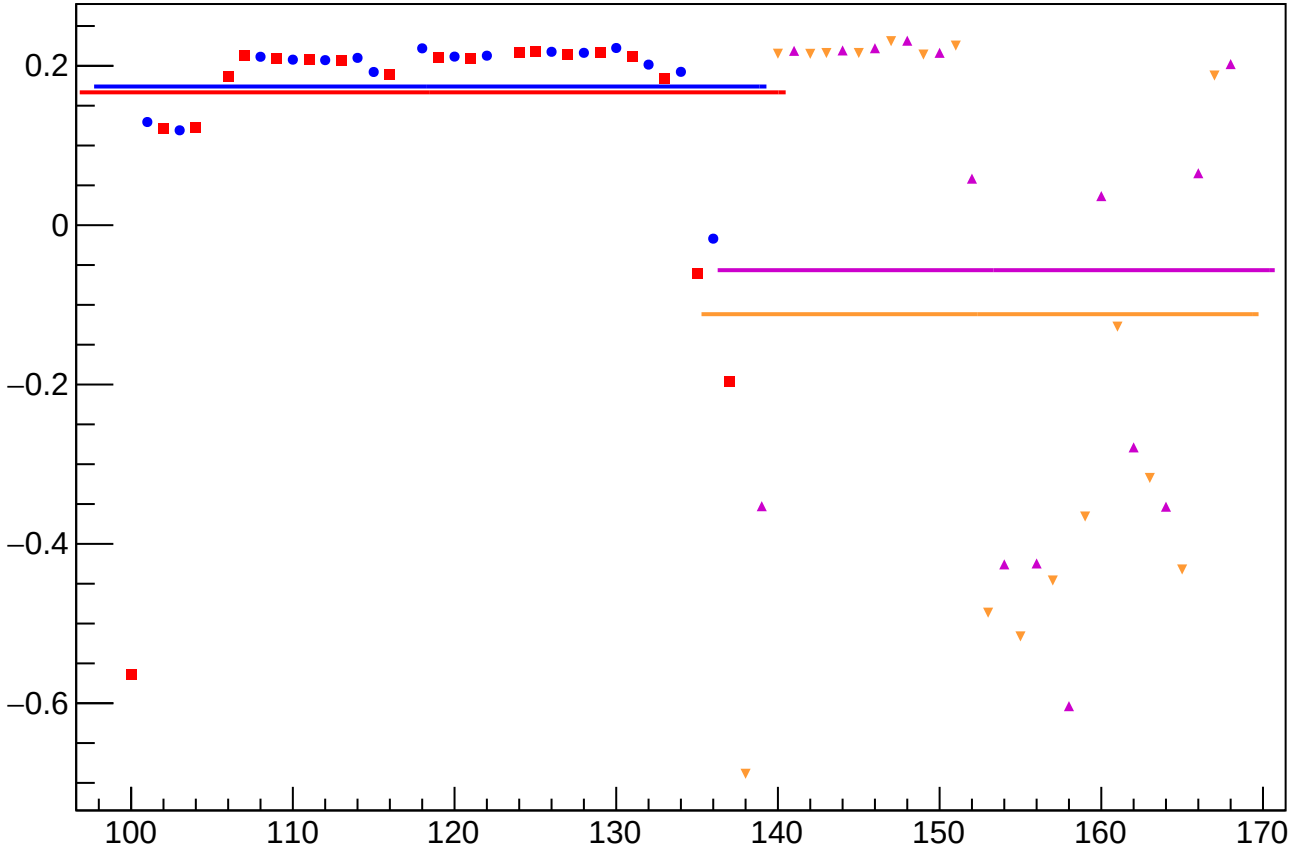
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:470109.1/30

Out: 0.002+/-0.000 χ^2/NDF:449548.6/34

All: 0.002+/-0.000 χ^2/NDF: 920509.7/65

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.112+/-0.000 χ^2/NDF:9138210083.1/15

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.056+/-0.000 χ^2/NDF:7145483096.4/14

Left: -0.084+/-0.000 χ^2/NDF: 16410328785.3/30

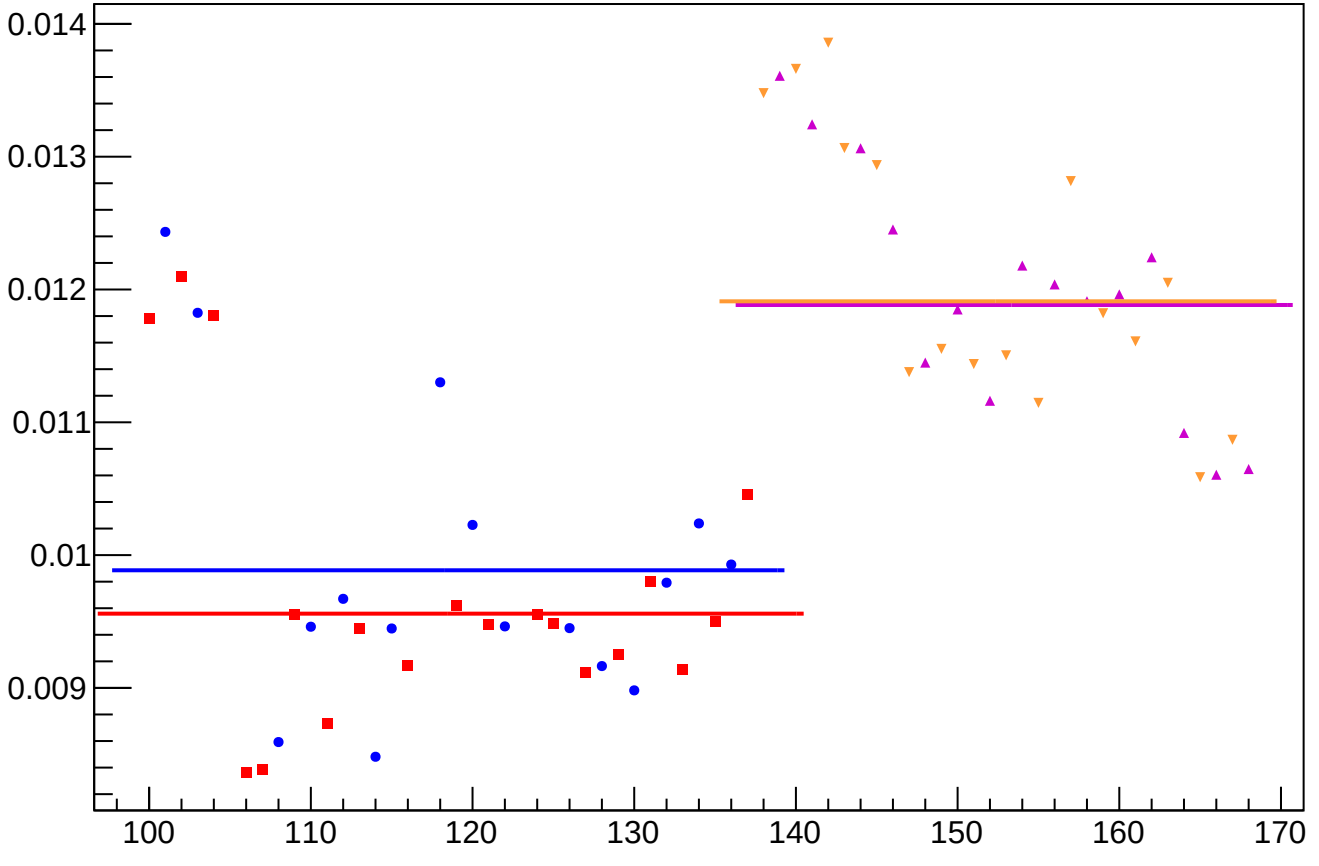
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.049+/-0.000 χ^2/NDF:9563444076.6/30

Out: 0.024+/-0.000 χ^2/NDF:13174856826.9/34

All: 0.036+/-0.000 χ^2/NDF: 22791208053.3/6

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:140444.1/15

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:119531.9/14

Left: 0.012+/-0.000 χ^2/NDF: 260039.3/30

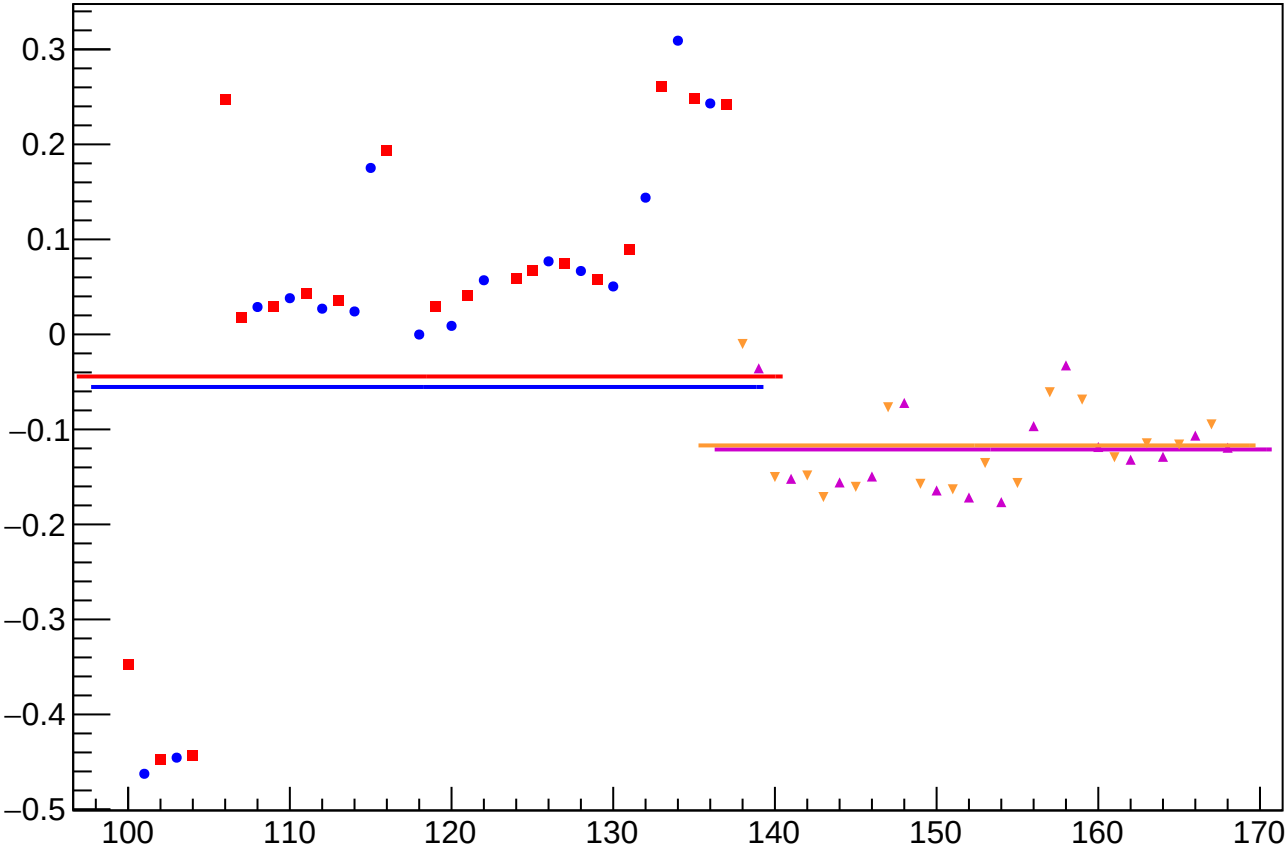
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:570871.3/30

Out: 0.011+/-0.000 χ^2/NDF:725028.3/34

All: 0.011+/-0.000 χ^2/NDF: 1301988.0/65

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.117+/-0.000 χ^2/NDF:2795985414.2/15

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2759317058.8/14

Left: -0.119+/-0.000 χ^2/NDF: 5568267914.5/30

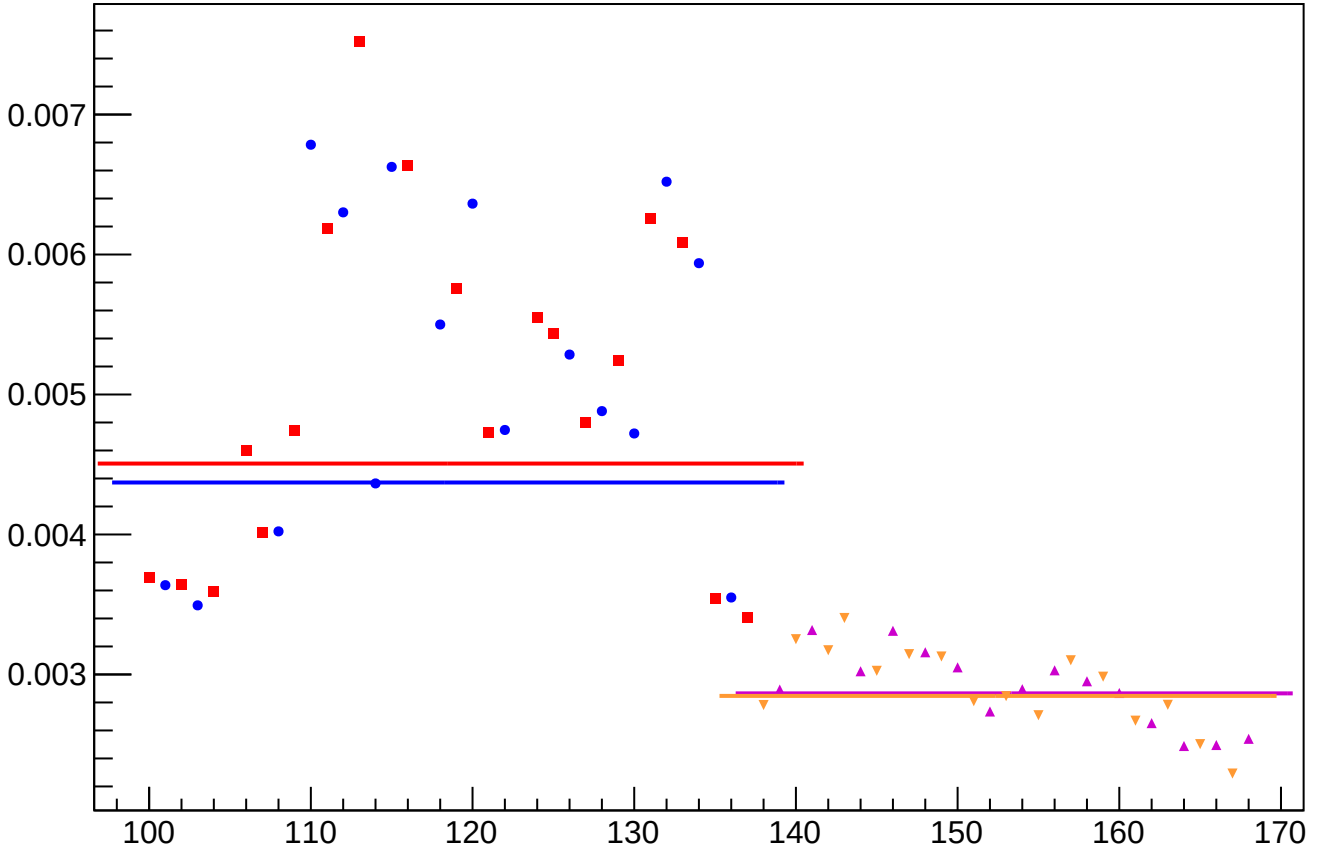
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.109+/-0.000 χ^2/NDF:27969016670.8/30

Out: -0.104+/-0.000 χ^2/NDF:26296612895.5/34

All: -0.107+/-0.000 χ^2/NDF: 54287718486.8/

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:247006.9/15

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:181355.5/14

Left: 0.003+/-0.000 χ^2/NDF: 428832.4/30

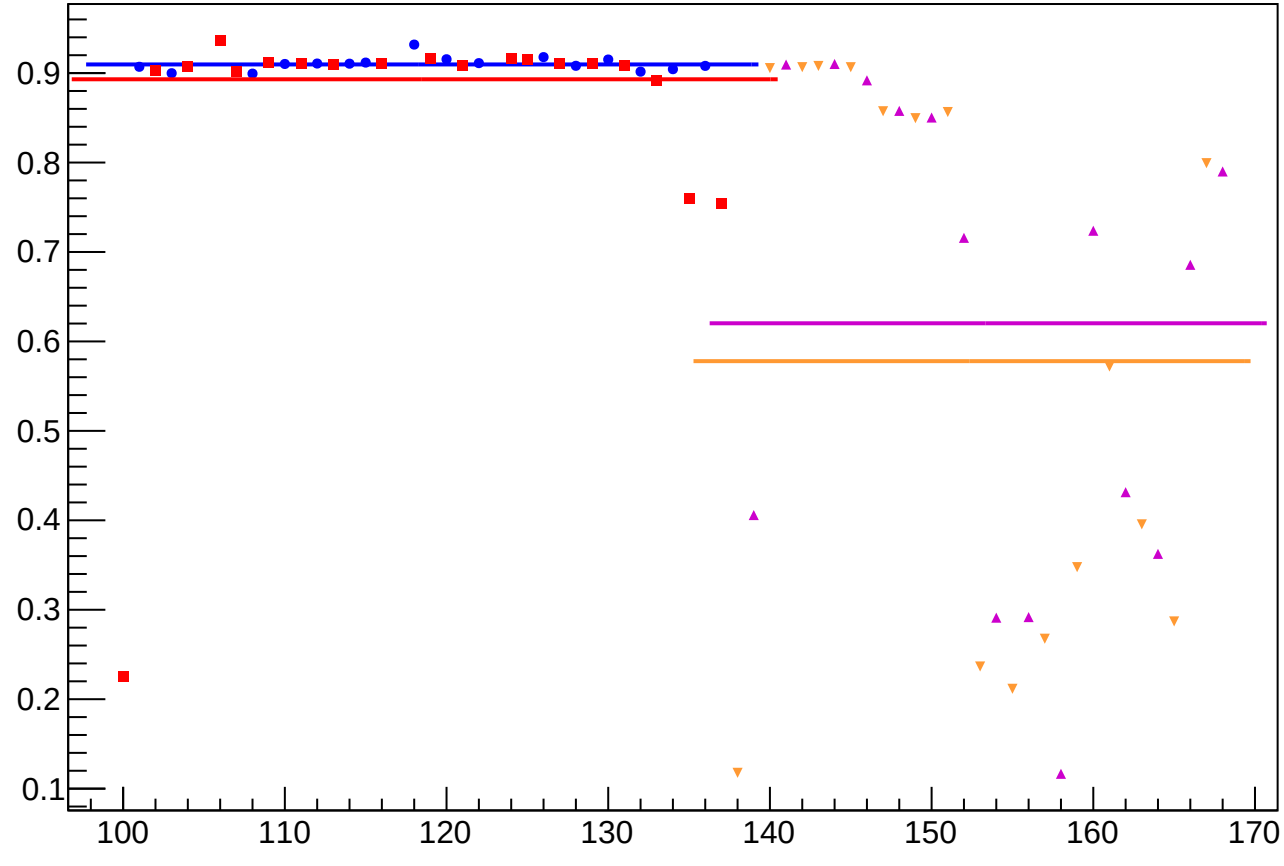
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2025595.8/30

Out: 0.003+/-0.000 χ^2/NDF:2379129.9/34

All: 0.003+/-0.000 χ^2/NDF: 4404727.0/65

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.578+/-0.000 χ^2/NDF:7577354406.0/15

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.620+/-0.000 χ^2/NDF:5983614022.8/14

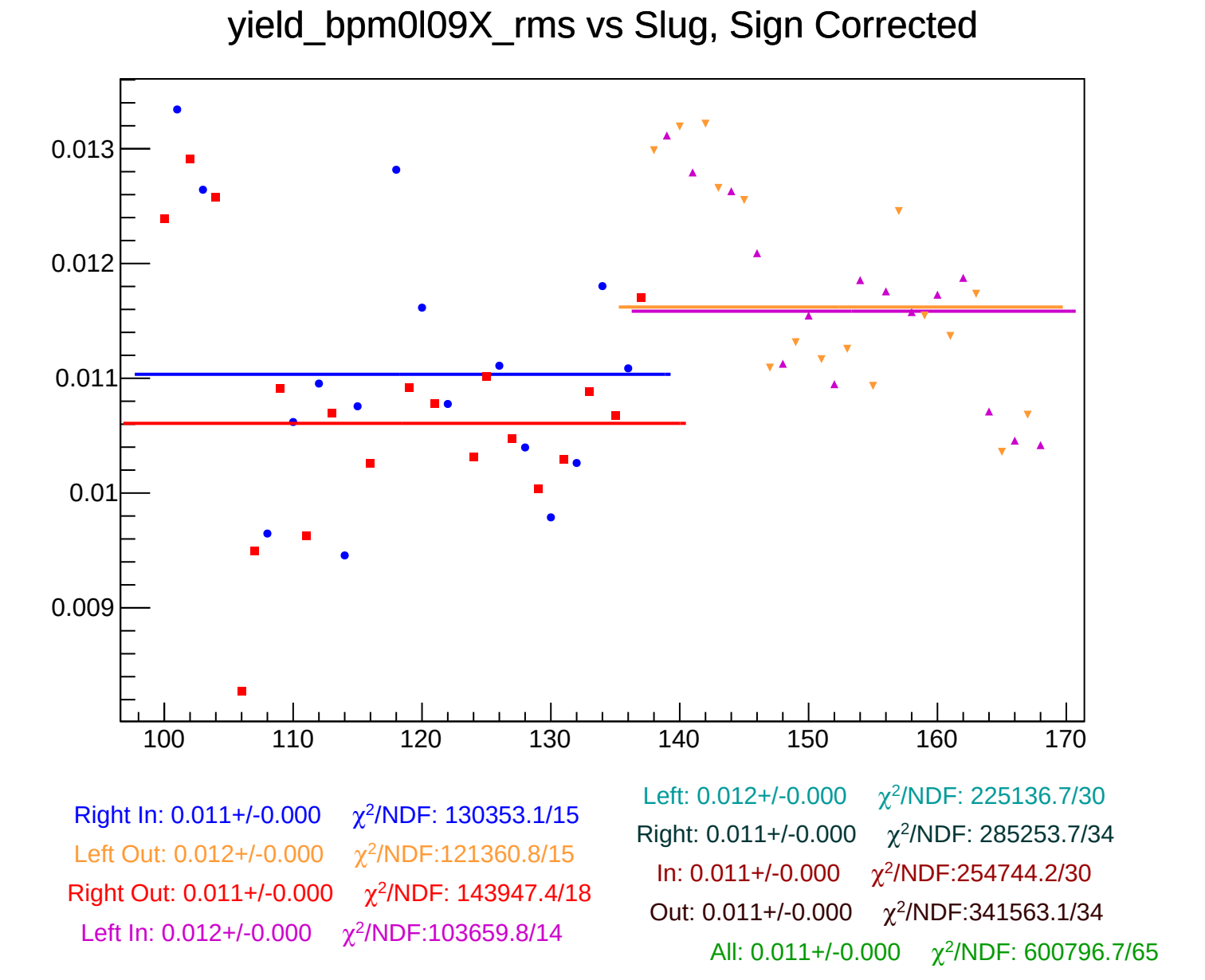
Left: 0.599+/-0.000 χ^2/NDF: 13639747149.7/30

Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

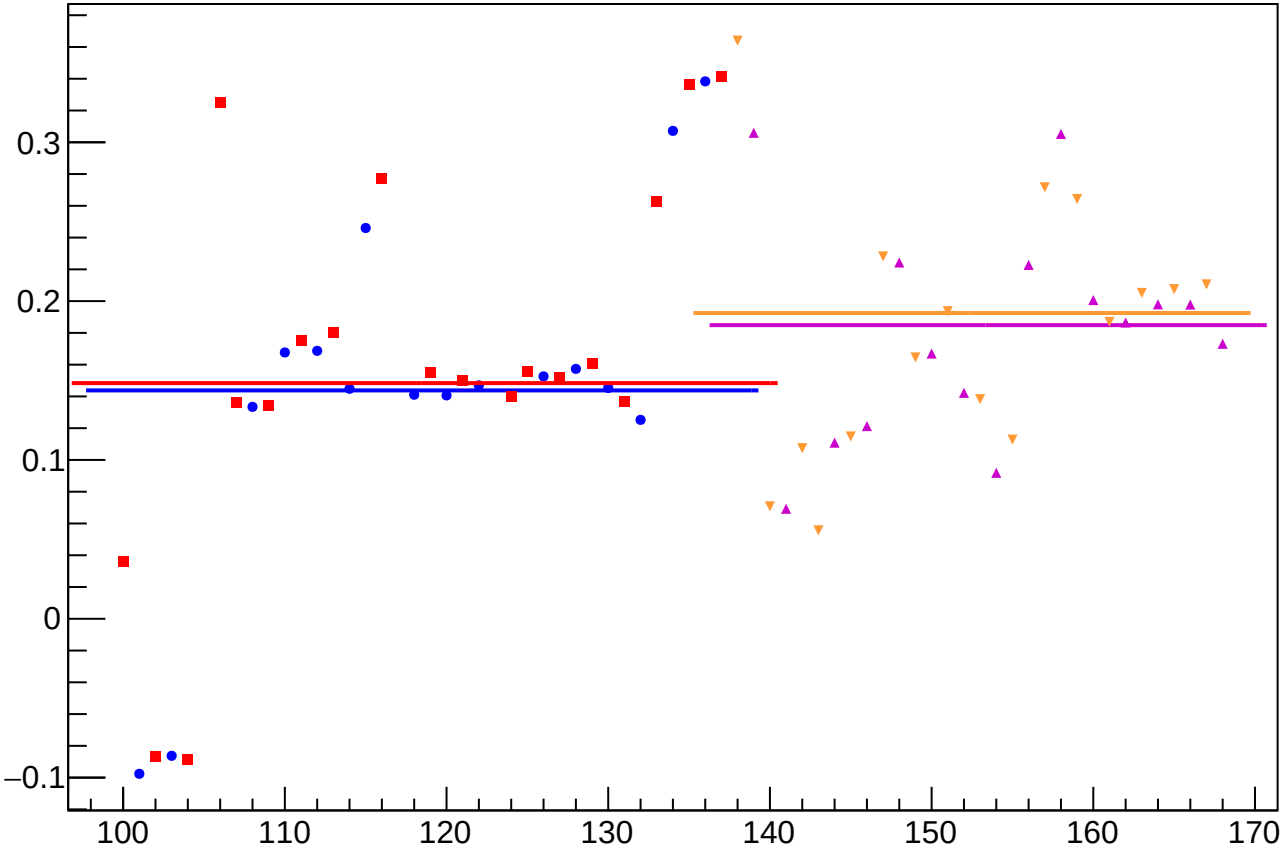
In: 0.734+/-0.000 χ^2/NDF:8858740860.8/30

Out: 0.710+/-0.000 χ^2/NDF:11591504318.3/34

All: 0.722+/-0.000 χ^2/NDF: 20490427227.3/6


yield_bpm0l09X_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 130353.1/15
Left Out: 0.012+/-0.000 χ²/NDF:121360.8/15
Right Out: 0.011+/-0.000 χ²/NDF: 143947.4/18
Left In: 0.012+/-0.000 χ²/NDF:103659.8/14
Left: 0.012+/-0.000 χ²/NDF: 225136.7/30
Right: 0.011+/-0.000 χ²/NDF: 285253.7/34
In: 0.011+/-0.000 χ²/NDF:254744.2/30
Out: 0.011+/-0.000 χ²/NDF:341563.1/34
All: 0.011+/-0.000 χ²/NDF: 600796.7/65

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.193+/-0.000 χ^2/NDF:5956190763.9/15

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.185+/-0.000 χ^2/NDF:4431767942.7/14

Left: 0.189+/-0.000 χ^2/NDF: 10421663730.9/30

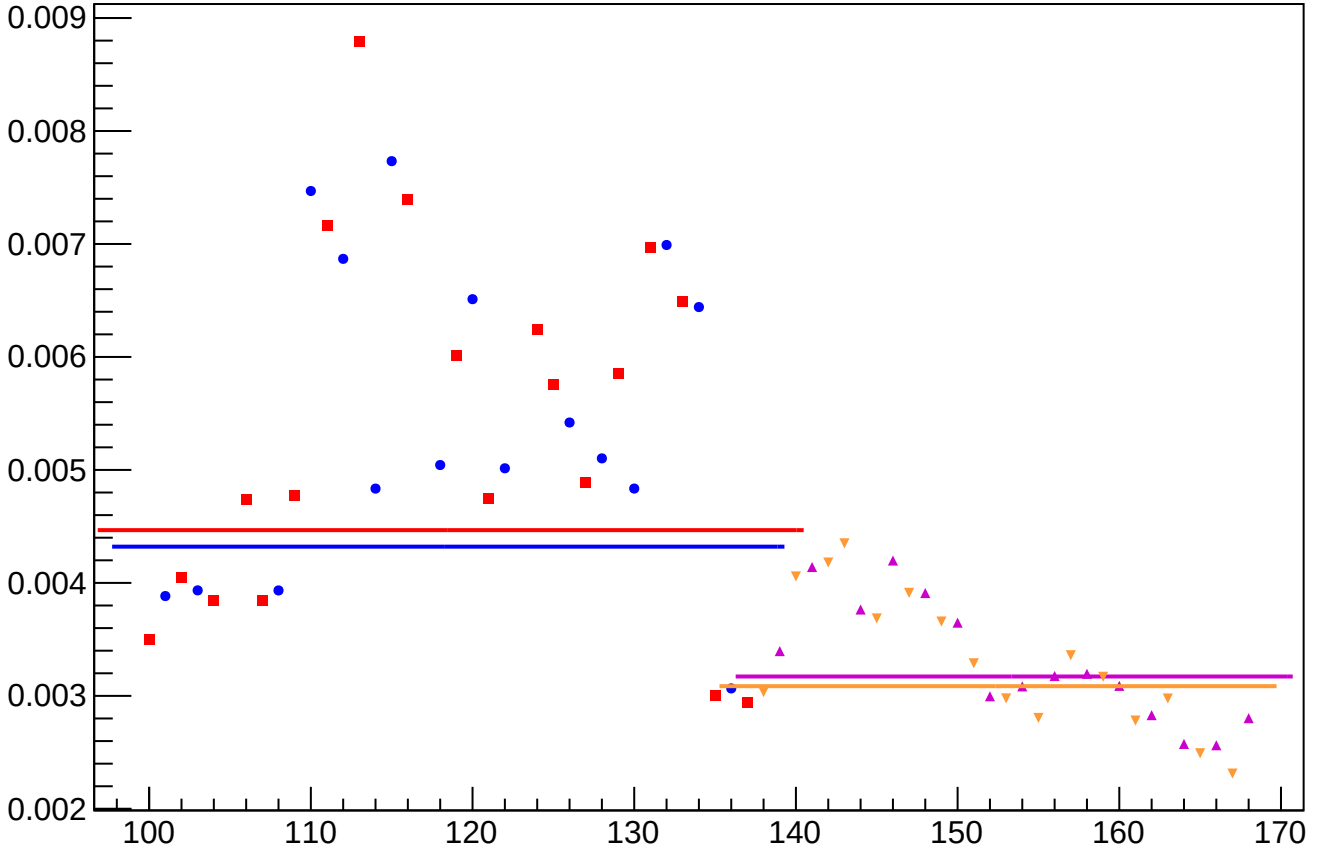
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.176+/-0.000 χ^2/NDF:12705041461.2/30

Out: 0.184+/-0.000 χ^2/NDF:13548694600.7/34

All: 0.180+/-0.000 χ^2/NDF: 26296968506.1/6

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:699796.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:484305.0/14

Left: 0.003+/-0.000 χ^2/NDF: 1192579.1/30

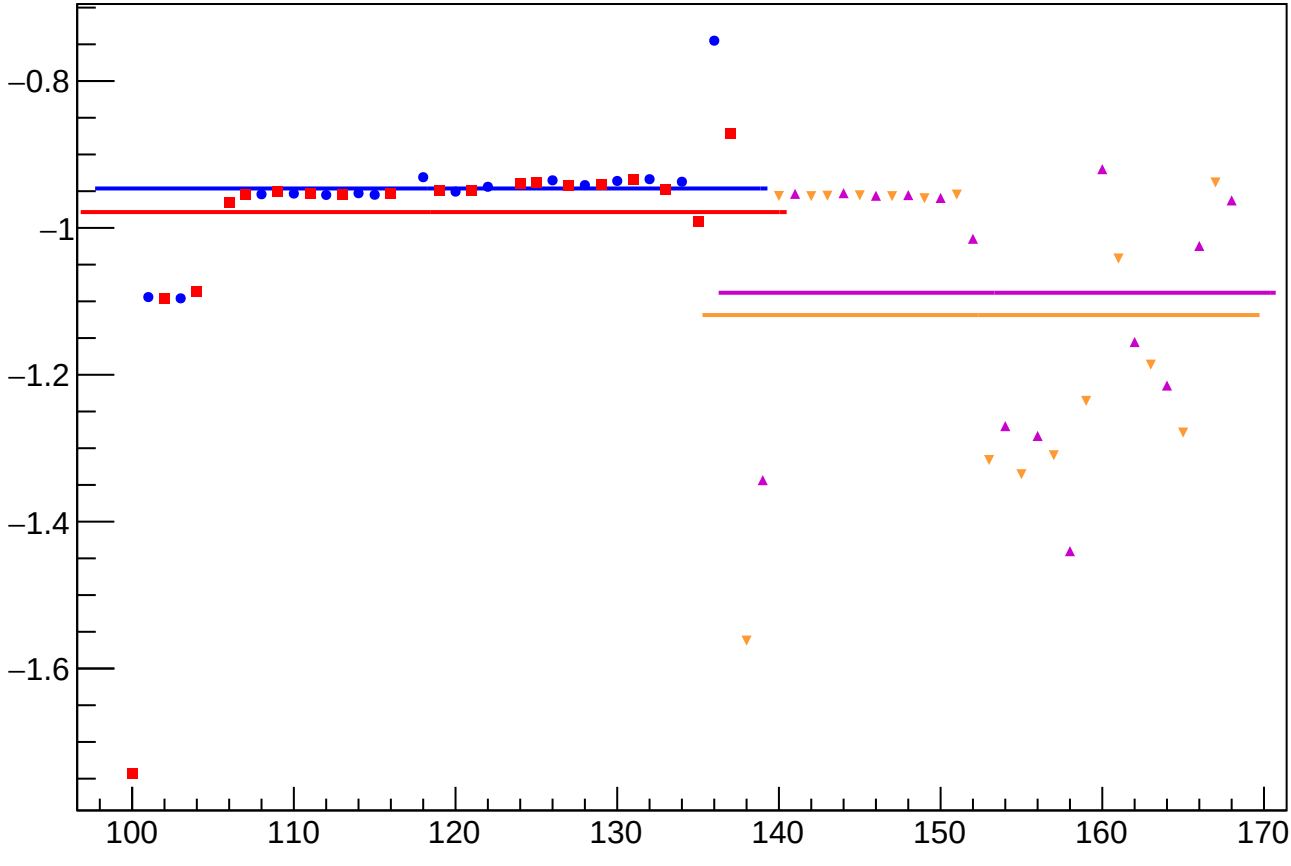
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:1997714.4/30

Out: 0.003+/-0.000 χ^2/NDF:2693790.1/34

All: 0.003+/-0.000 χ^2/NDF: 4696430.9/65

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.119+/-0.000 χ^2/NDF:3842464505.0/15

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.088+/-0.000 χ^2/NDF:3116759554.1/14

Left: -1.104+/-0.000 χ^2/NDF: 7010549452.7/30

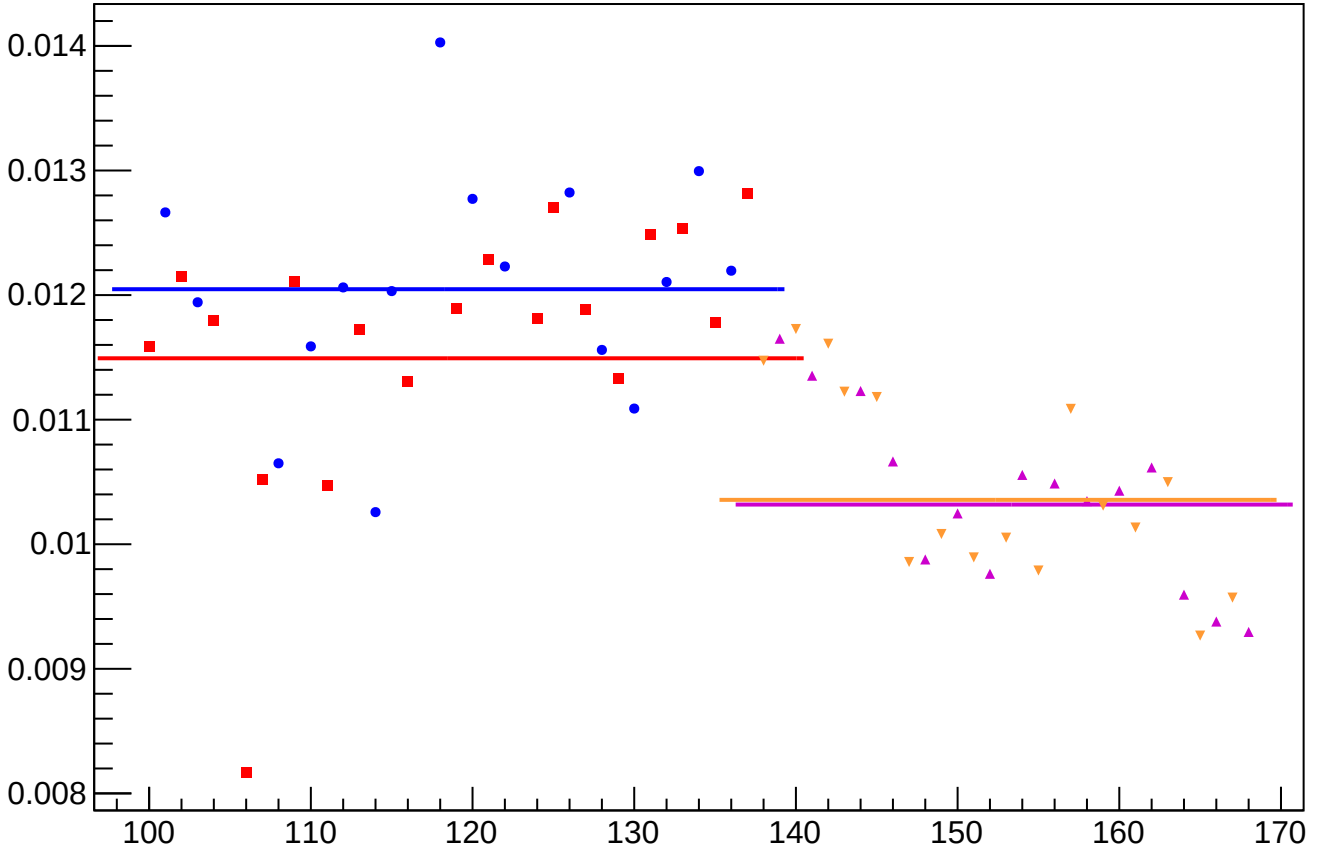
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.046+/-0.000 χ^2/NDF:4190245477.3/30

Out: -1.073+/-0.000 χ^2/NDF:5021264921.2/34

All: -1.060+/-0.000 χ^2/NDF: 9270722537.6/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:112642.1/15

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:97662.6/14

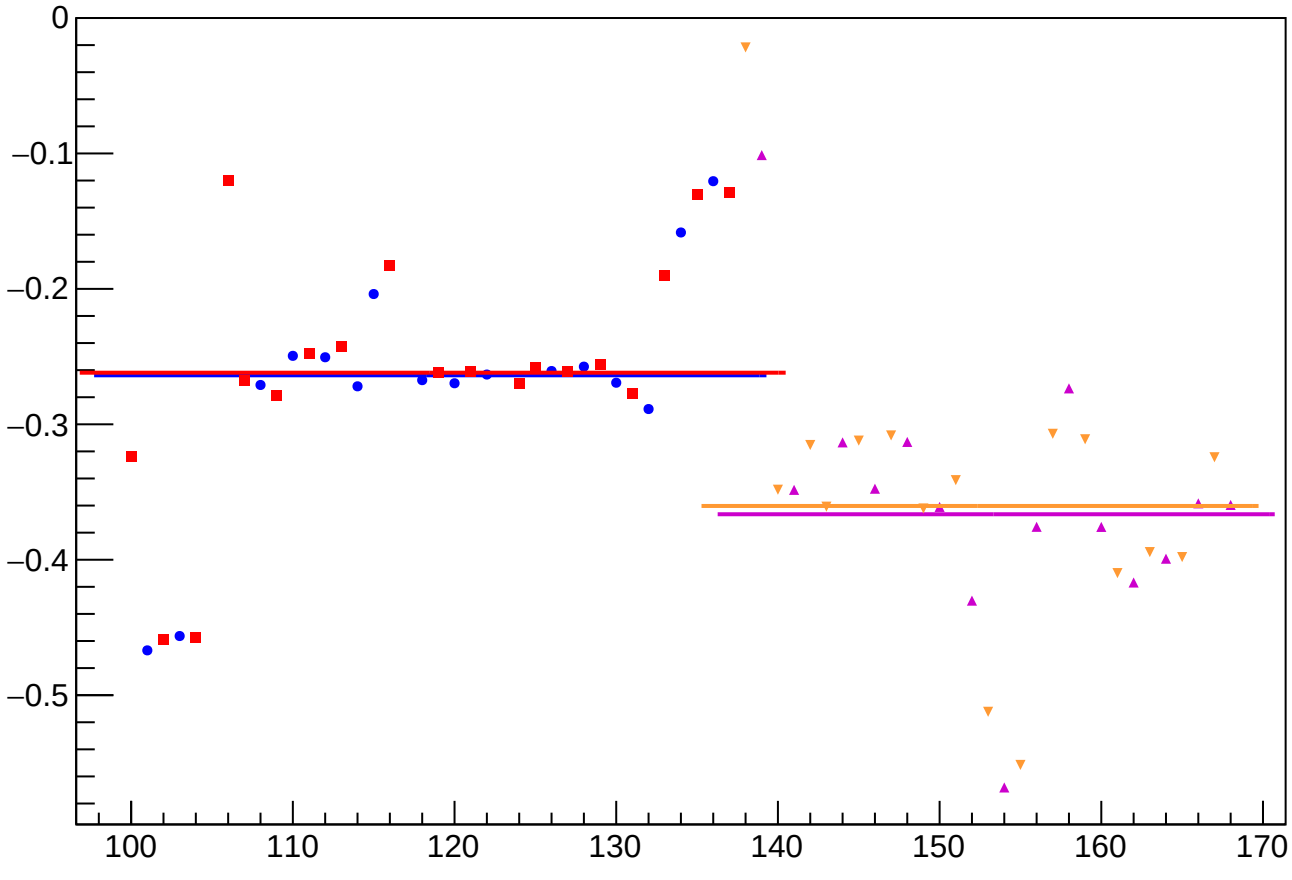
Left: 0.010+/-0.000 χ^2/NDF: 210463.7/30

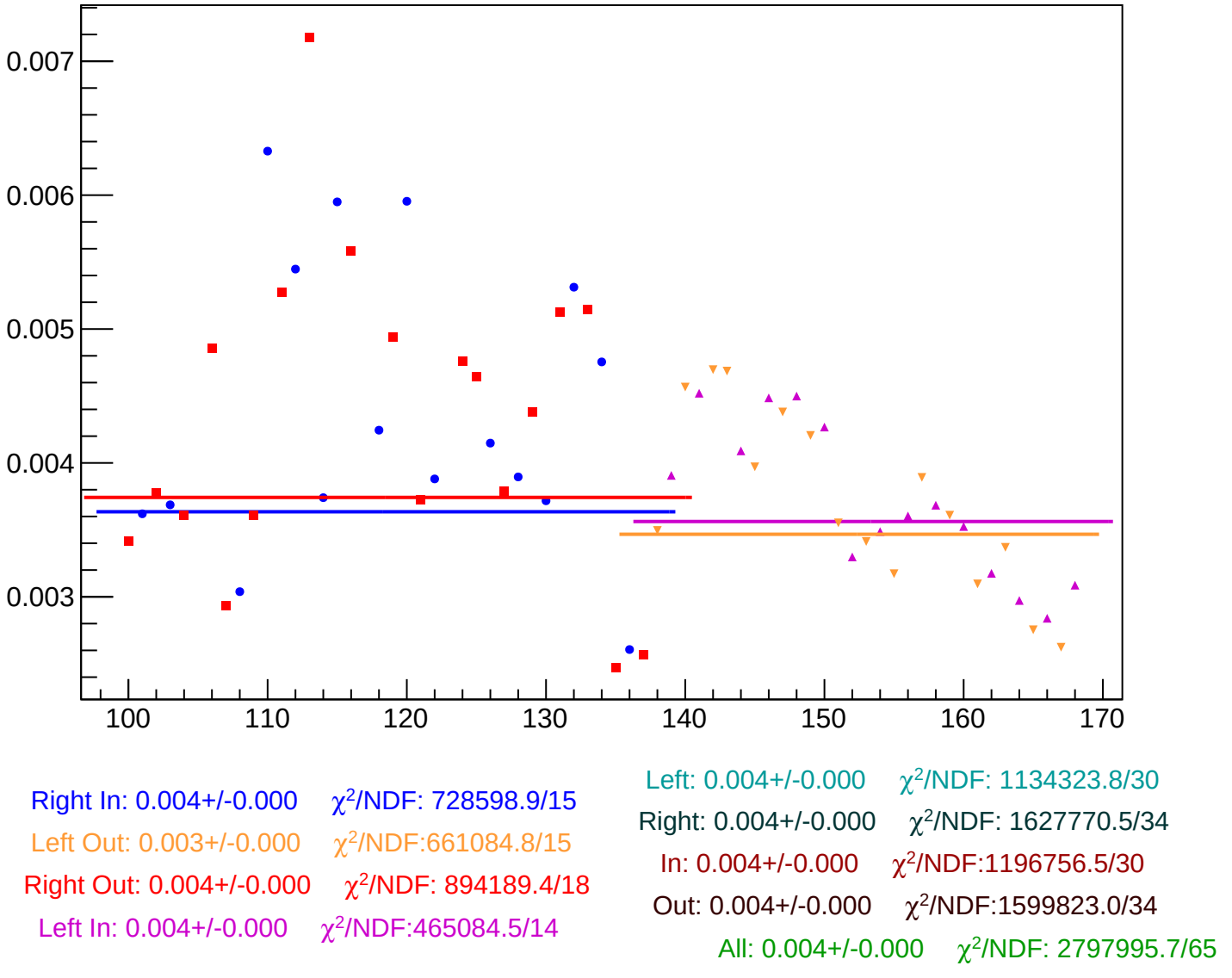
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:358449.0/30

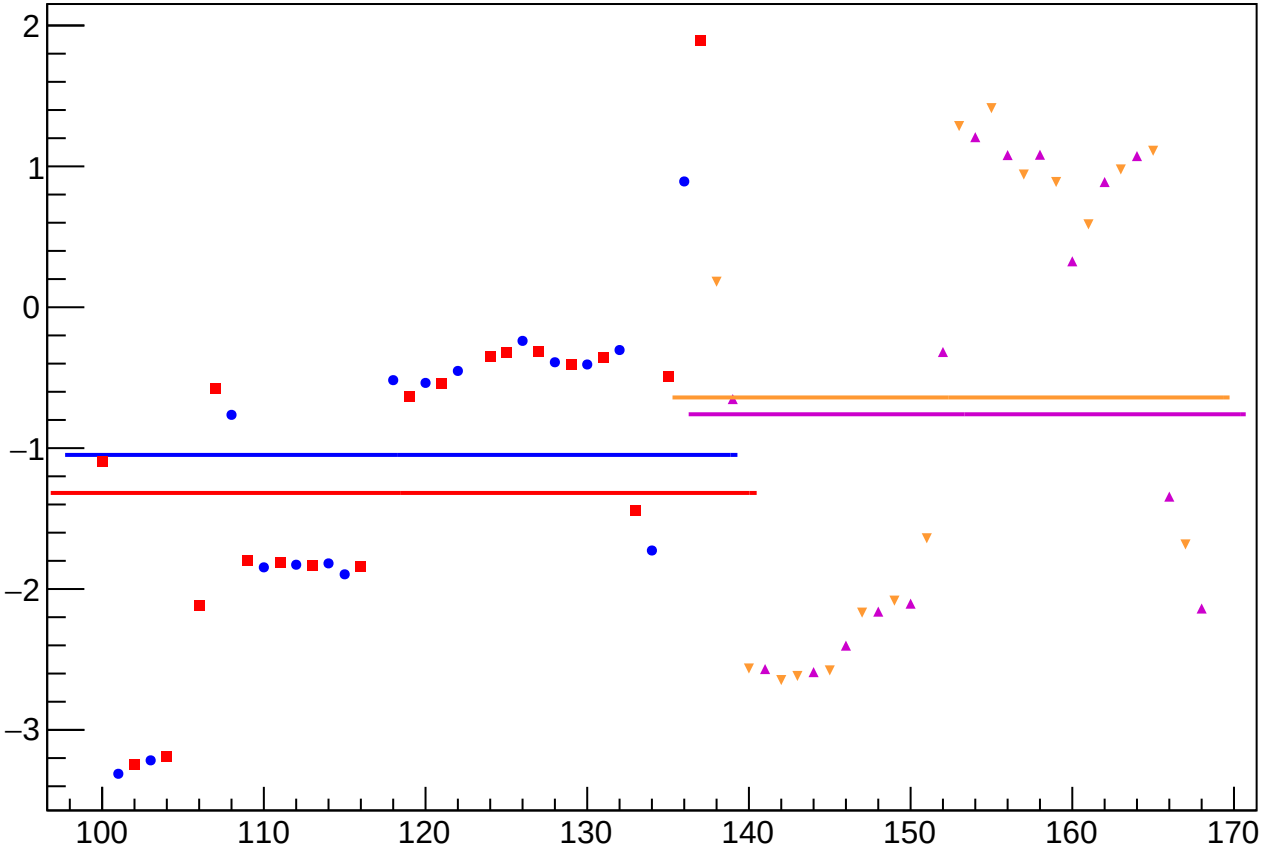
Out: 0.011+/-0.000 χ^2/NDF:358231.2/34

All: 0.011+/-0.000 χ^2/NDF: 718573.6/65


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.360+/-0.000 χ²/NDF:11831672488.8/15
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.366+/-0.000 χ²/NDF:7553647388.4/14
Left: -0.363+/-0.000 χ²/NDF: 19402137480.4/30
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.332+/-0.000 χ²/NDF:16717902993.8/30
Out: -0.329+/-0.000 χ²/NDF:19928085890.5/34
All: -0.331+/-0.000 χ²/NDF: 36651576280.0/


yield_bpm0l10Y_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.003+/-0.000 χ²/NDF:661084.8/15
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:465084.5/14
Left: 0.004+/-0.000 χ²/NDF: 1134323.8/30
Right: 0.004+/-0.000 χ²/NDF: 1627770.5/34
In: 0.004+/-0.000 χ²/NDF:1196756.5/30
Out: 0.004+/-0.000 χ²/NDF:1599823.0/34
All: 0.004+/-0.000 χ²/NDF: 2797995.7/65

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.640+/-0.000 χ^2/NDF:5657928238.5/15

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.760+/-0.000 χ^2/NDF:4785782453.8/14

Left: -0.699+/-0.000 χ^2/NDF: 10459025012.8/30

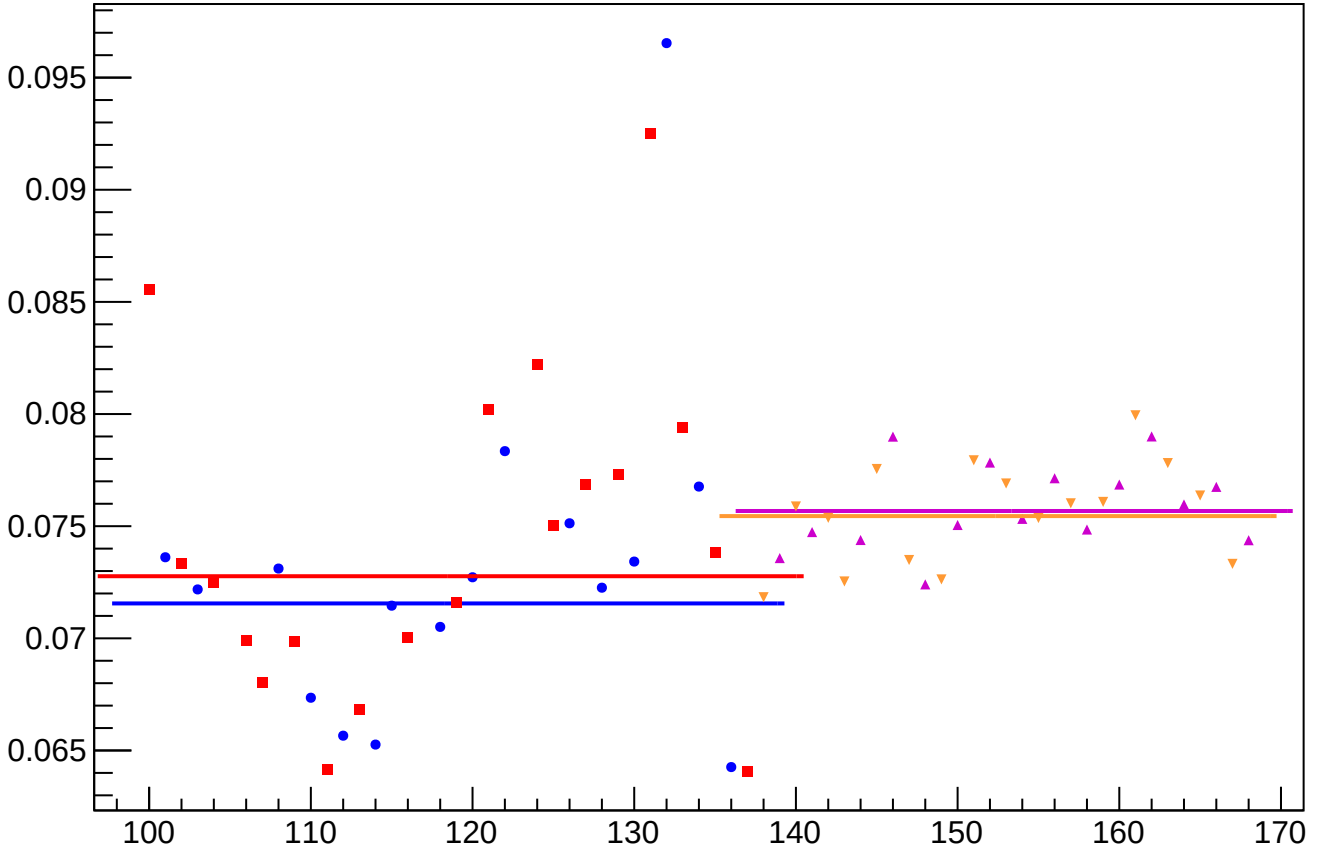
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.873+/-0.000 χ^2/NDF:7202014626.0/30

Out: -0.902+/-0.000 χ^2/NDF:7892711393.8/34

All: -0.888+/-0.000 χ^2/NDF: 15096222077.4/

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:22046.2/15

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:14646.0/14

Left: 0.076+/-0.000 χ^2/NDF: 36803.2/30

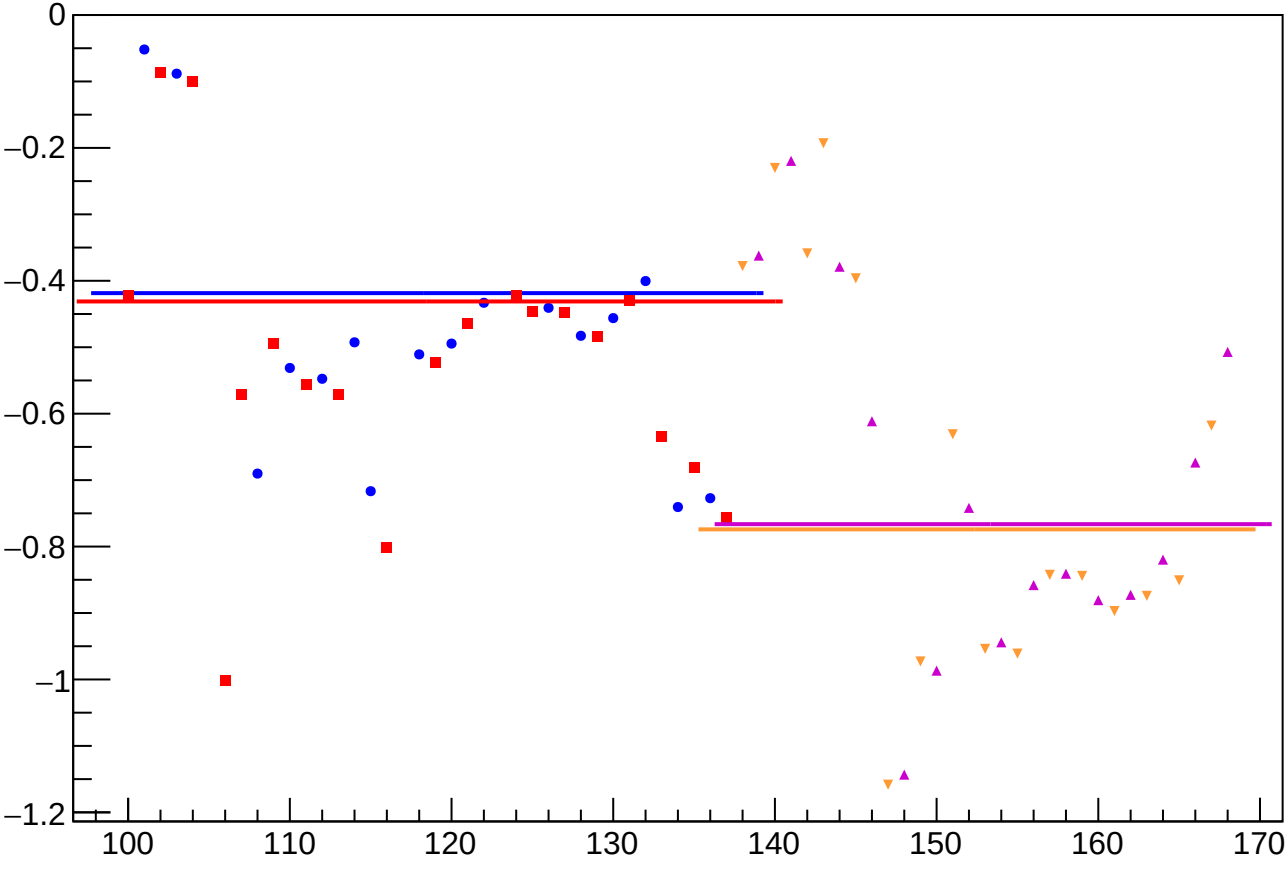
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:144140.7/30

Out: 0.074+/-0.000 χ^2/NDF:131020.1/34

All: 0.074+/-0.000 χ^2/NDF: 275604.0/65

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.774+/-0.000 χ^2/NDF:14683465854.1/15

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.766+/-0.000 χ^2/NDF:11932135472.7/14

Left: -0.770+/-0.000 χ^2/NDF: 26623786235.9/30

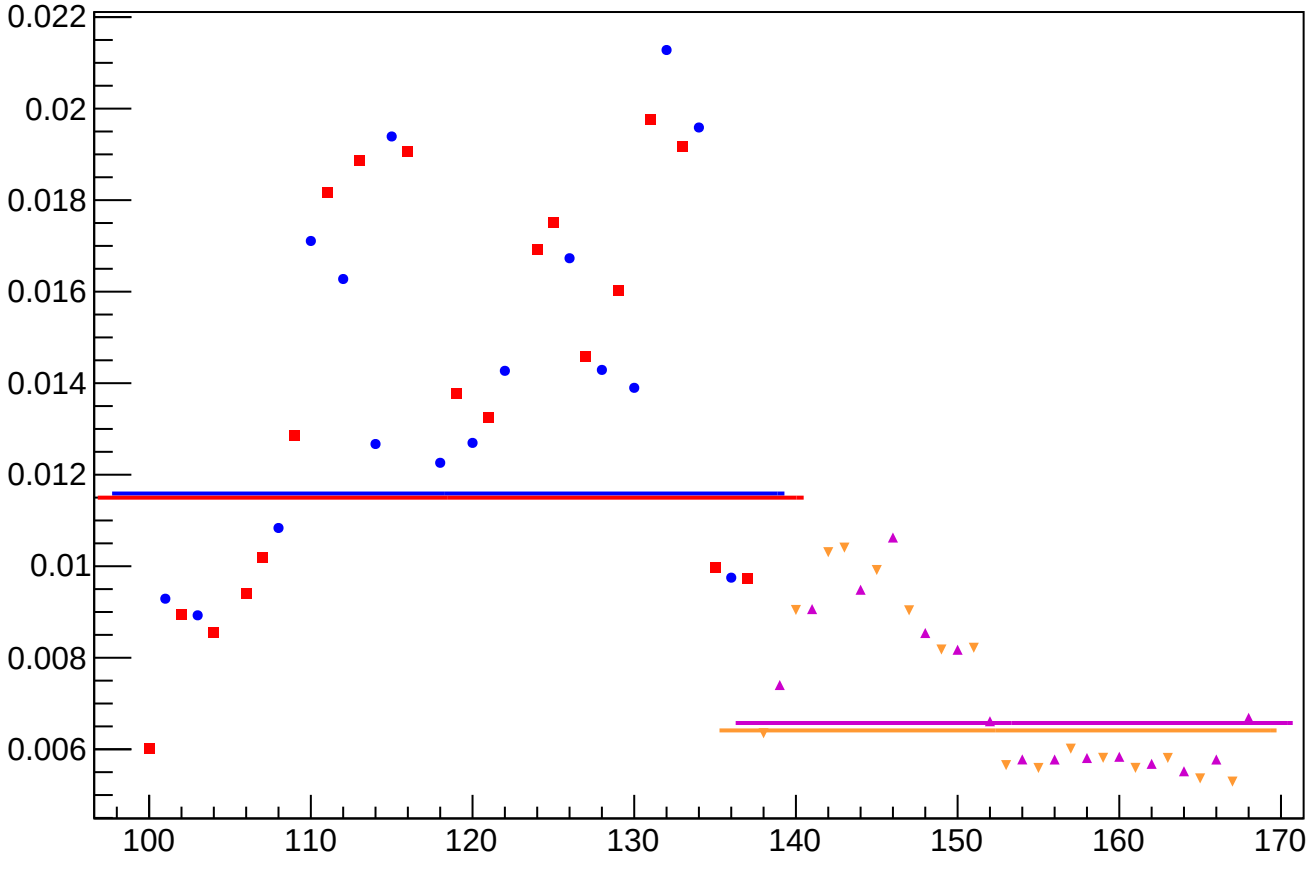
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.715+/-0.000 χ^2/NDF:19583052871.2/30

Out: -0.725+/-0.000 χ^2/NDF:22466528916.3/34

All: -0.720+/-0.000 χ^2/NDF: 42065637640.5/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1159304.2/15

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:875336.6/14

Left: 0.006+/-0.000 χ^2/NDF: 2041635.1/30

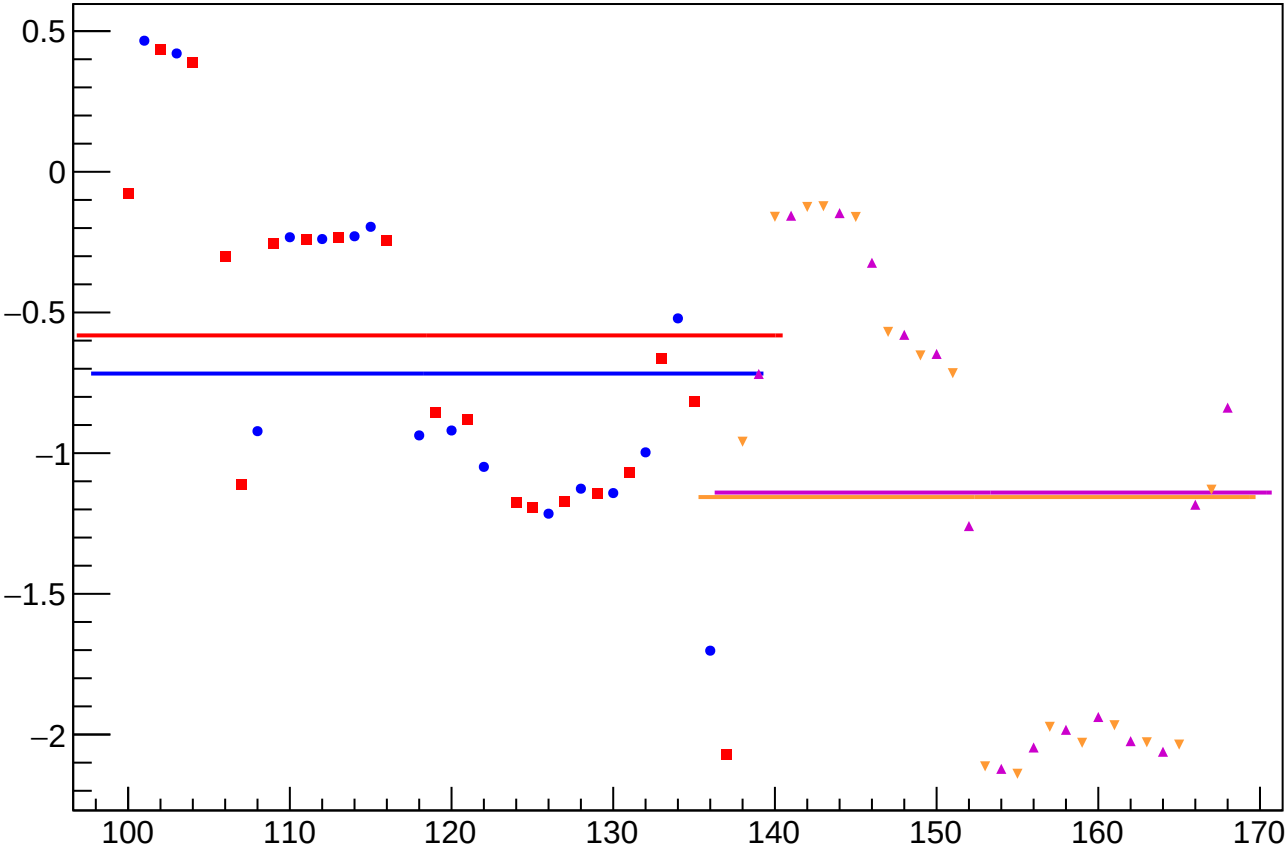
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3566055.0/30

Out: 0.007+/-0.000 χ^2/NDF:4340997.5/34

All: 0.007+/-0.000 χ^2/NDF: 7916652.4/65

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.156+/-0.000 χ^2/NDF:1073287115.0/15

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.140+/-0.000 χ^2/NDF:914865048.3/14

Left: -1.148+/-0.000 χ^2/NDF: 1988365707.4/30

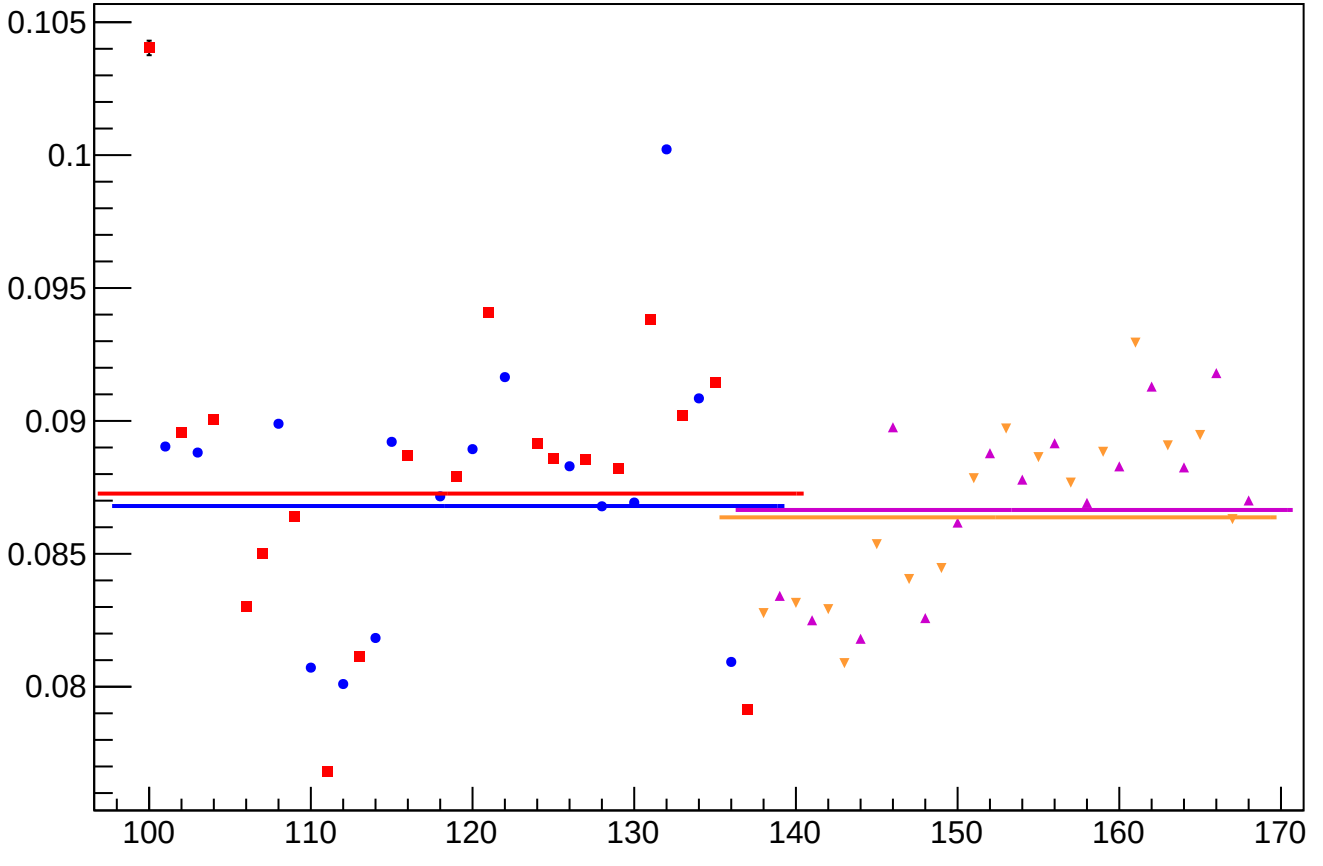
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.985+/-0.000 χ^2/NDF:1459961404.3/30

Out: -0.945+/-0.000 χ^2/NDF:1619389547.6/34

All: -0.964+/-0.000 χ^2/NDF: 3081410334.1/6

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:33353.5/15

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:30710.8/14

Left: 0.087+/-0.000 χ^2/NDF: 64192.0/30

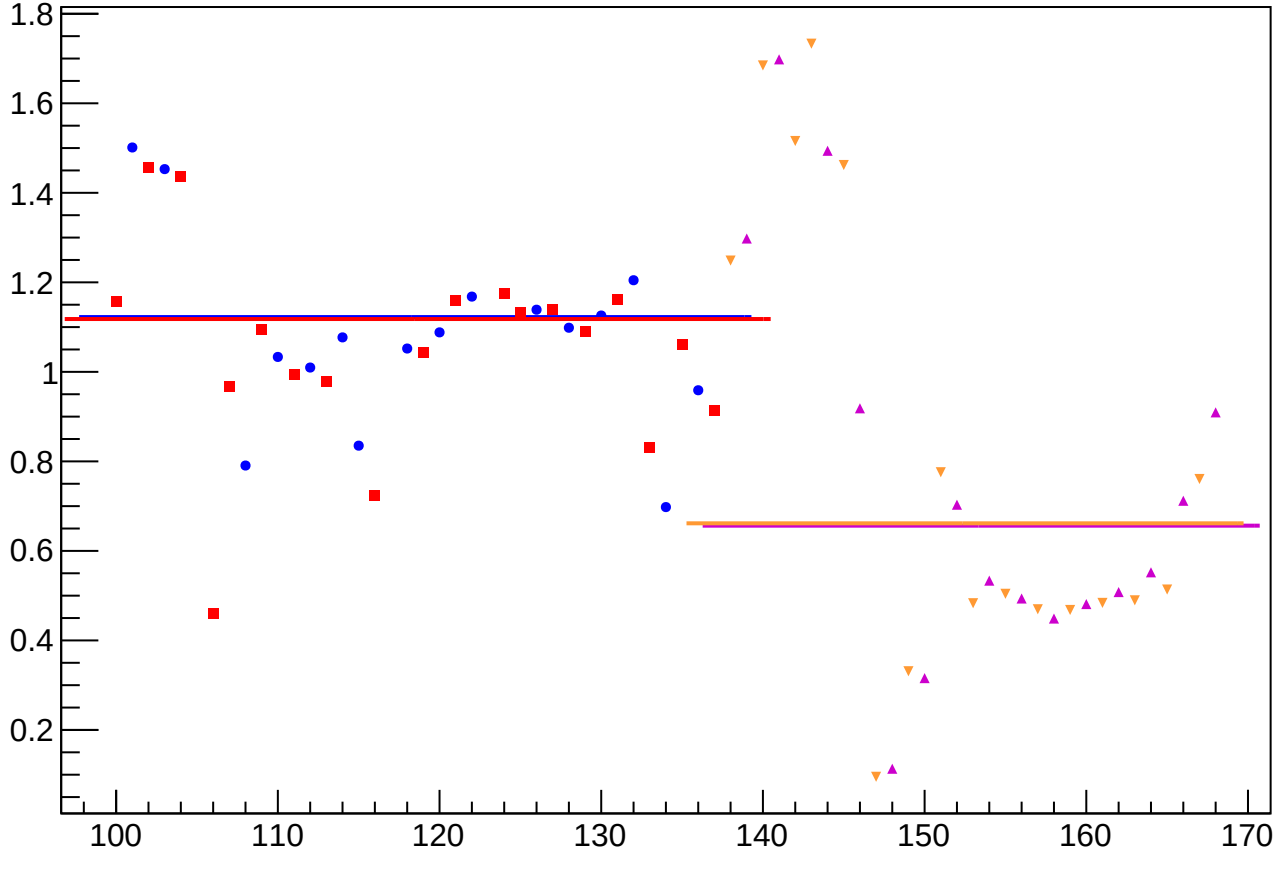
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:74313.2/30

Out: 0.087+/-0.000 χ^2/NDF:80504.4/34

All: 0.087+/-0.000 χ^2/NDF: 154817.6/65

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.662+/-0.000 χ^2/NDF:28255798277.1/15

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.656+/-0.000 χ^2/NDF:22544194836.5/14

Left: 0.659+/-0.000 χ^2/NDF: 50802531761.2/30

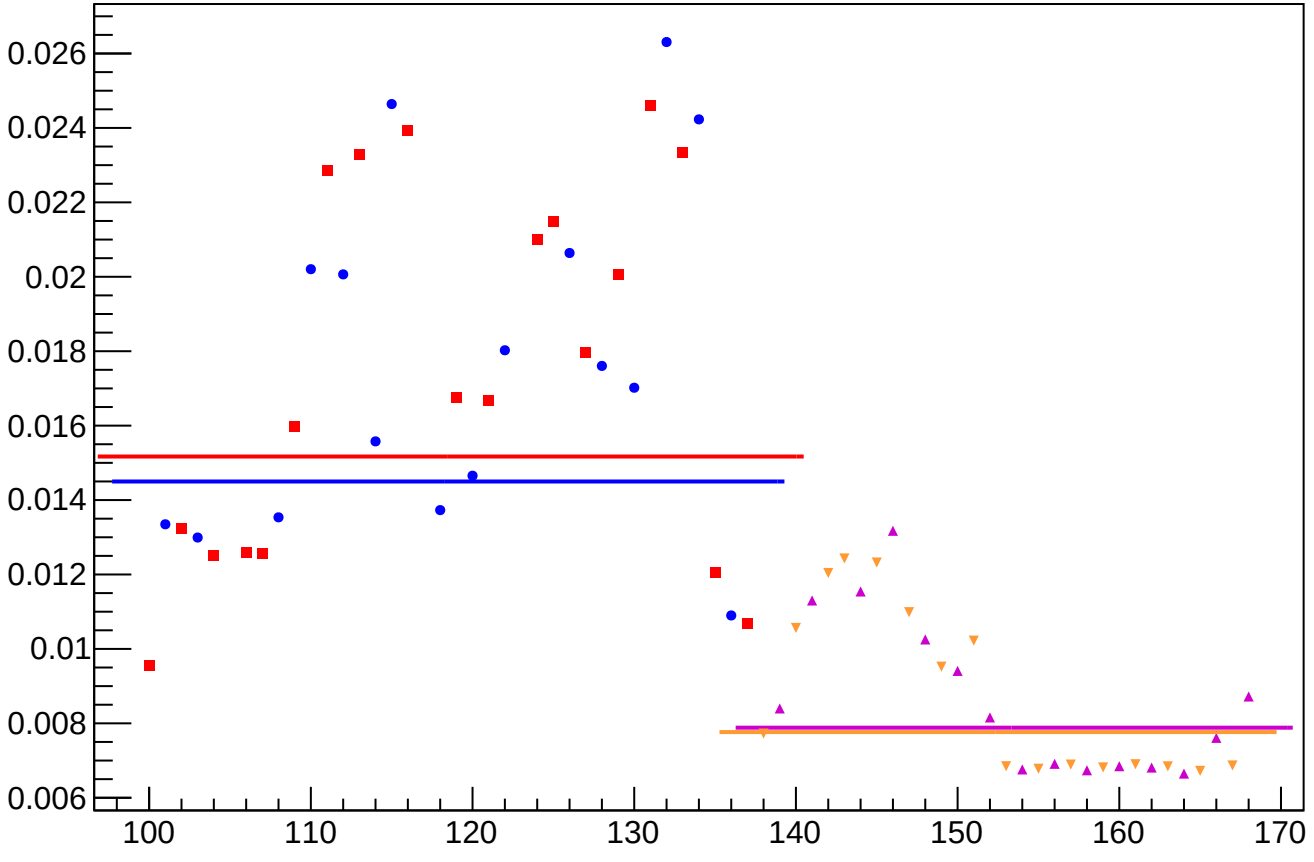
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.720+/-0.000 χ^2/NDF:29329035498.9/30

Out: 0.718+/-0.000 χ^2/NDF:34697320029.1/34

All: 0.719+/-0.000 χ^2/NDF: 64026764383.8/6

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:1112514.7/15

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:949024.1/14

Left: 0.008+/-0.000 χ^2/NDF: 2064113.9/30

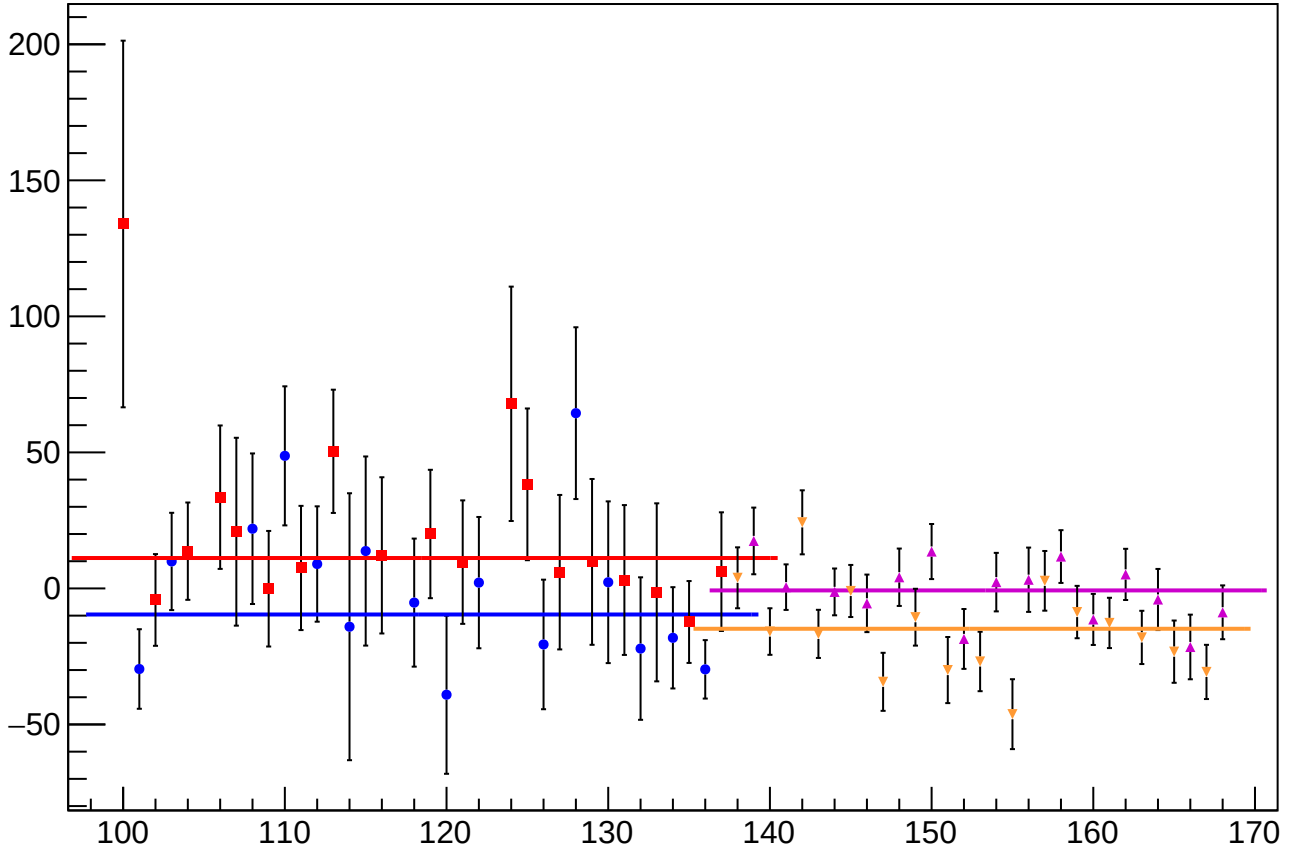
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3808151.1/30

Out: 0.009+/-0.000 χ^2/NDF:4540981.4/34

All: 0.009+/-0.000 χ^2/NDF: 8351544.0/65

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.829+/-2.576 χ^2/NDF:34.5/15

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -0.730+/-2.629 χ^2/NDF:14.6/14

Left: -7.921+/-1.840 χ^2/NDF: 63.8/30

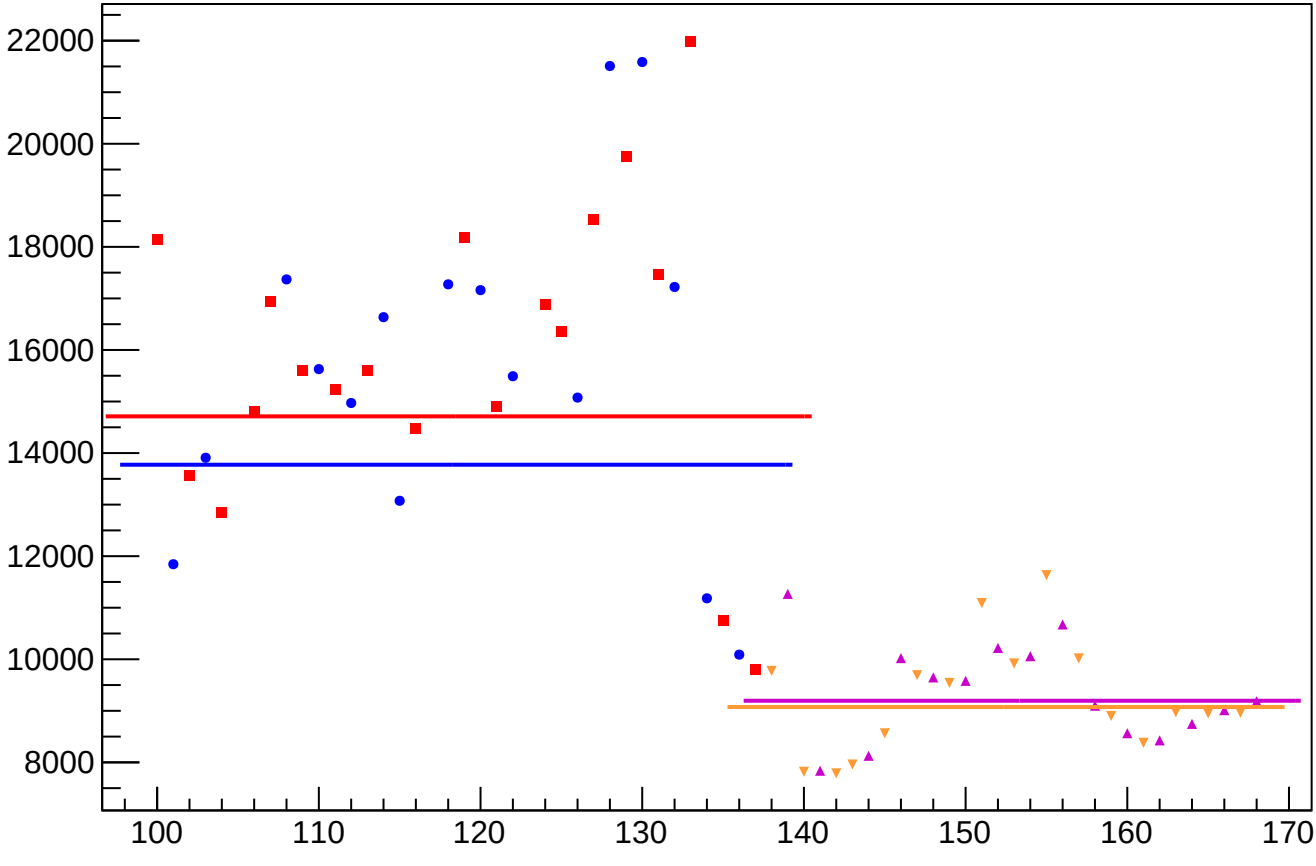
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.483+/-2.354 χ^2/NDF:38.8/30

Out: -10.146+/-2.333 χ^2/NDF:66.7/34

All: -6.349+/-1.657 χ^2/NDF: 110.8/65

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9073.730+/-1.822 χ^2/NDF:296769.0/15

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9195.284+/-1.859 χ^2/NDF:247315.9/14

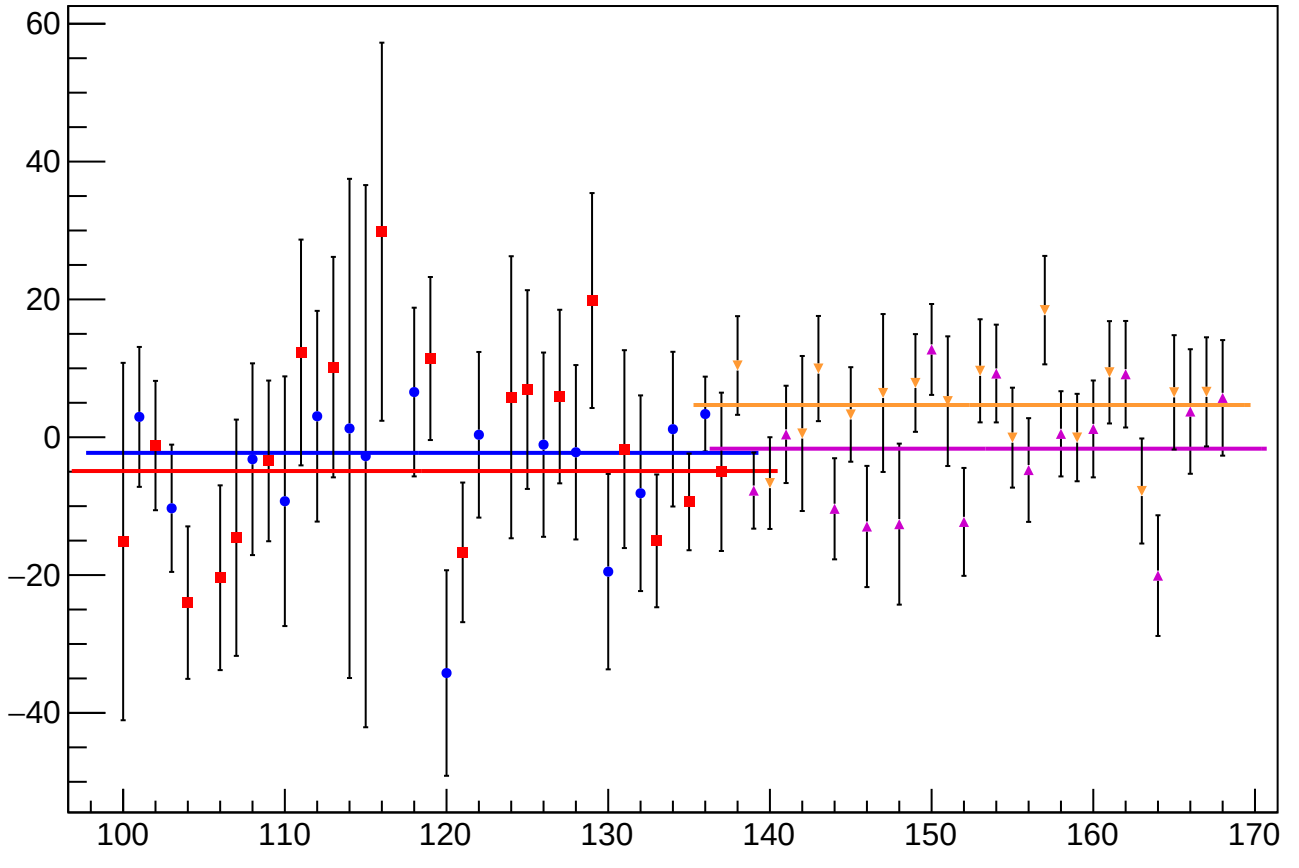
Left: 9133.285+/-1.301 χ^2/NDF: 546266.2/30

Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10101.755+/-1.665 χ^2/NDF:2196217.8/30

Out: 10089.130+/-1.650 χ^2/NDF:2579293.5/34

All: 10095.385+/-1.172 χ^2/NDF: 4775540.3/6



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.678+/-1.921 χ^2/NDF:12.1/15

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -1.661+/-1.920 χ^2/NDF:22.2/14

Left: 1.507+/-1.358 χ^2/NDF: 39.7/30

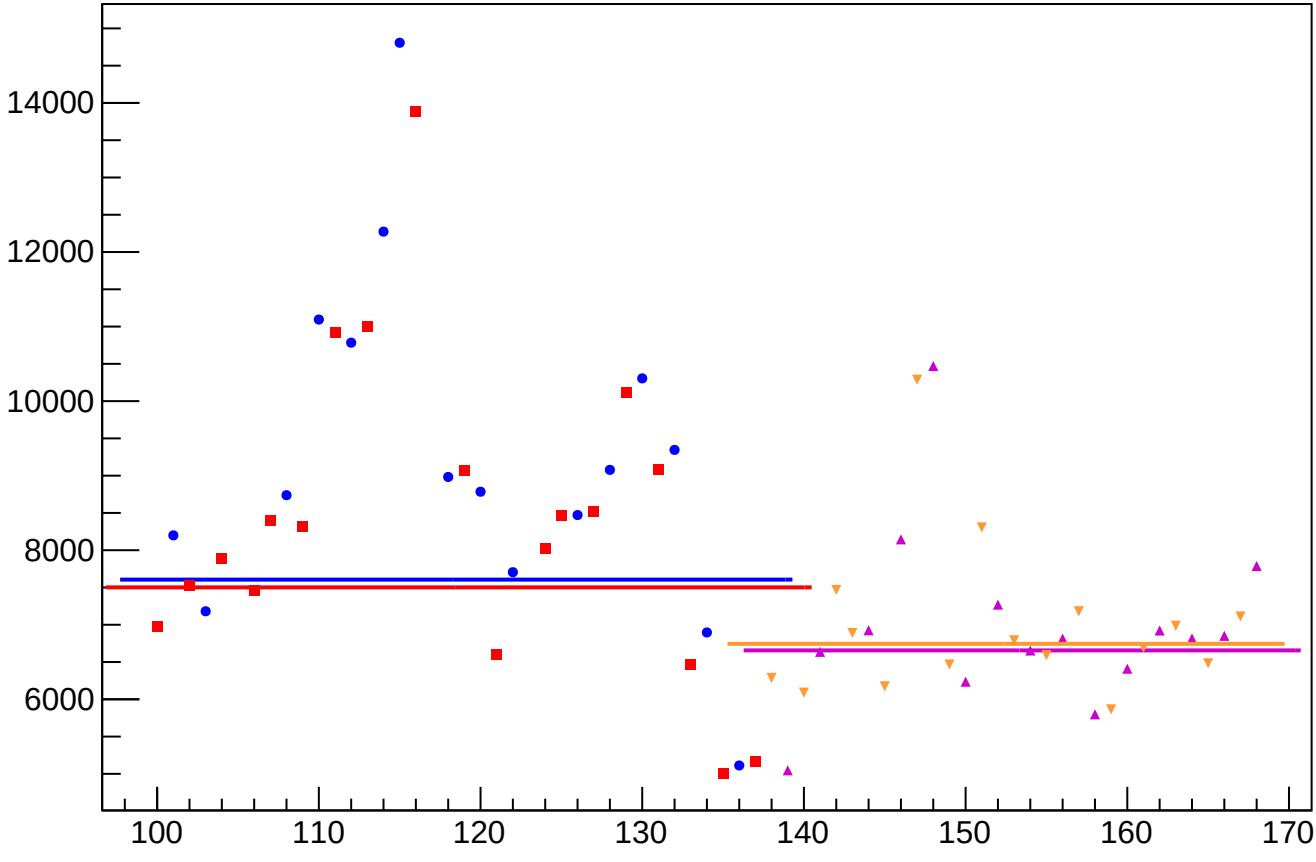
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -1.844+/-1.605 χ^2/NDF:31.5/30

Out: 1.664+/-1.591 χ^2/NDF:37.5/34

All: -0.074+/-1.130 χ^2/NDF: 71.4/65

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6744.224+/-1.358 χ^2/NDF:353715.6/15

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6655.837+/-1.358 χ^2/NDF:545862.5/14

Left: 6700.010+/-0.960 χ^2/NDF: 901695.7/30

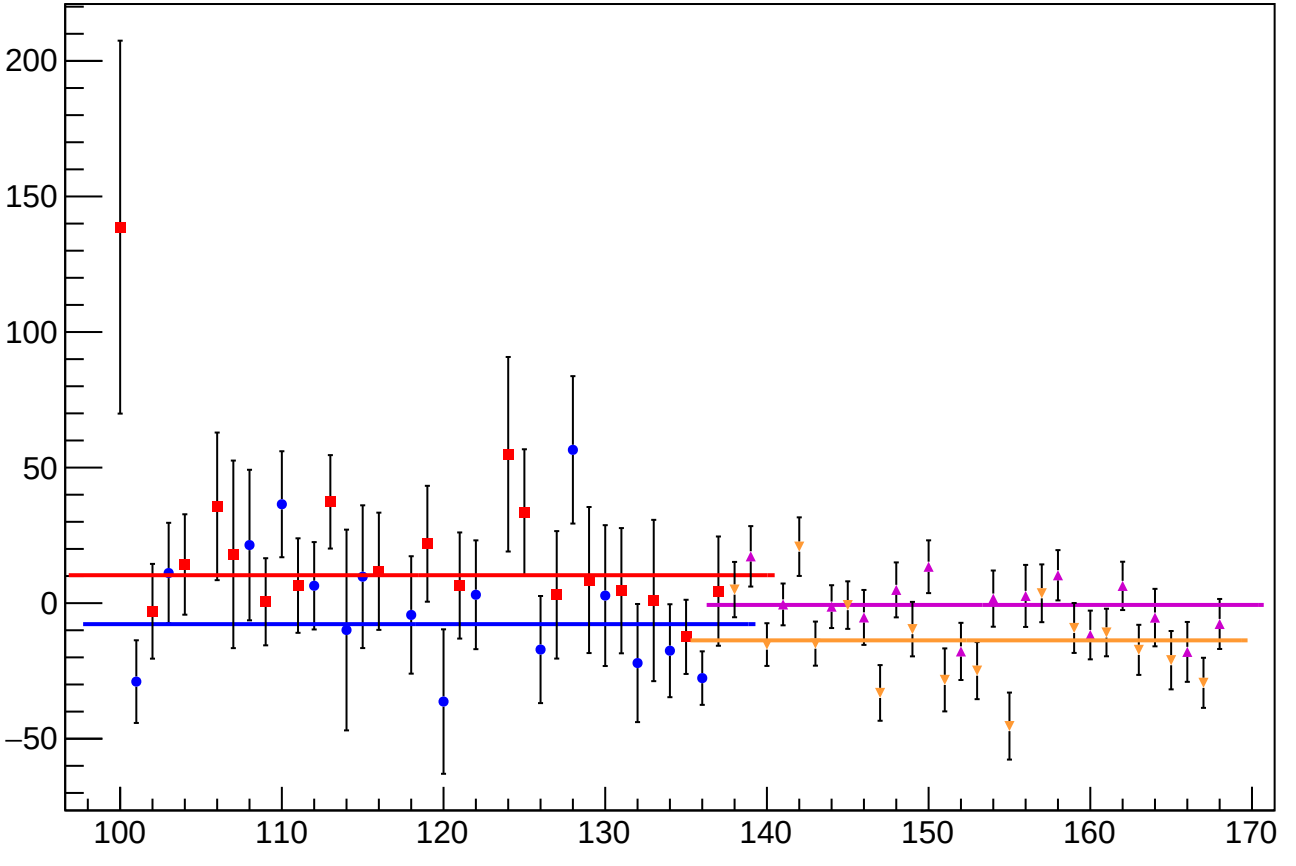
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6942.328+/-1.135 χ^2/NDF:1584953.2/30

Out: 6982.437+/-1.125 χ^2/NDF:1275029.1/34

All: 6962.561+/-0.799 χ^2/NDF: 2860612.6/65

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.724+/-2.422 χ^2/NDF:35.3/15

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -0.655+/-2.482 χ^2/NDF:14.7/14

Left: -7.349+/-1.734 χ^2/NDF: 64.3/30

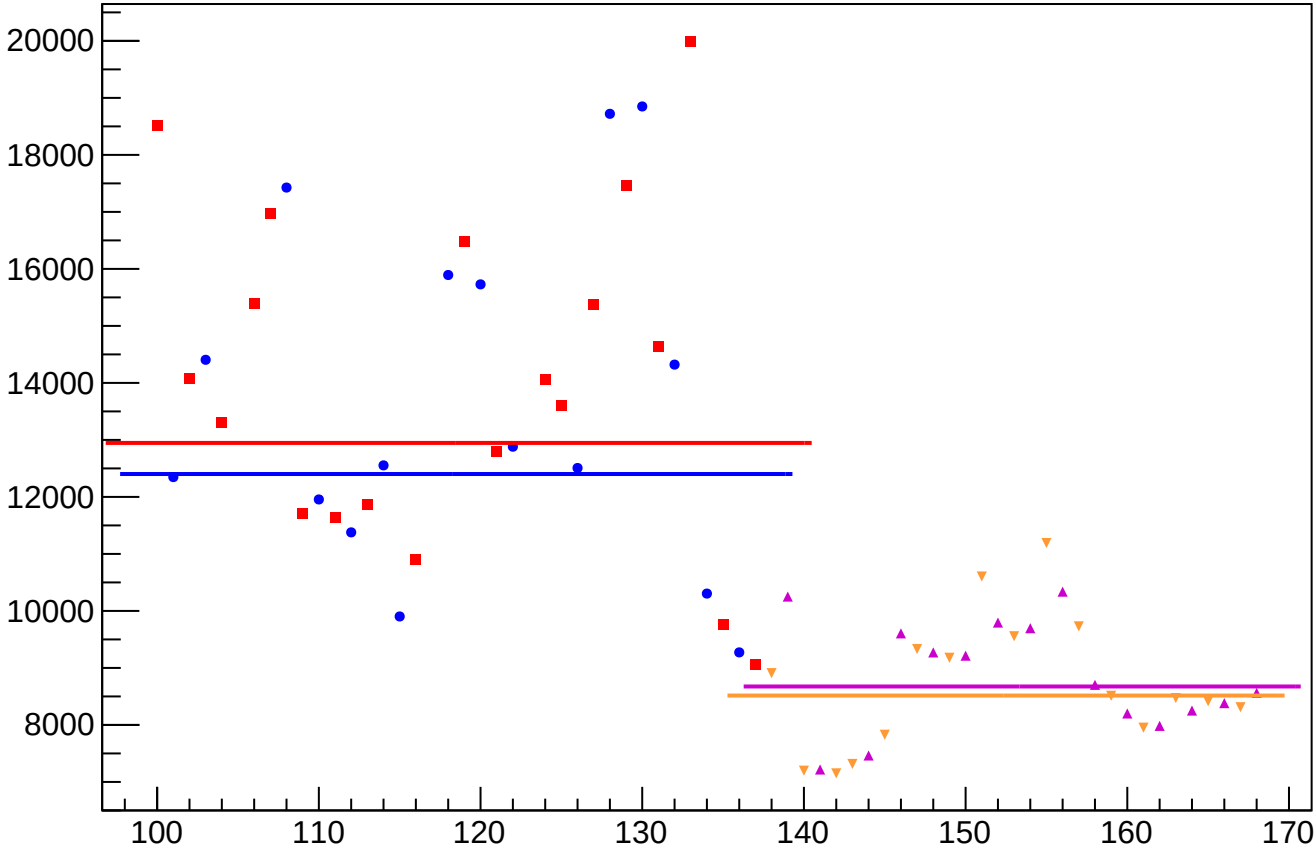
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.176+/-2.200 χ^2/NDF:39.2/30

Out: -8.911+/-2.166 χ^2/NDF:69.0/34

All: -5.595+/-1.543 χ^2/NDF: 112.9/65

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8515.427+/-1.713 χ^2/NDF:381325.9/15

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8674.476+/-1.755 χ^2/NDF:295244.4/14

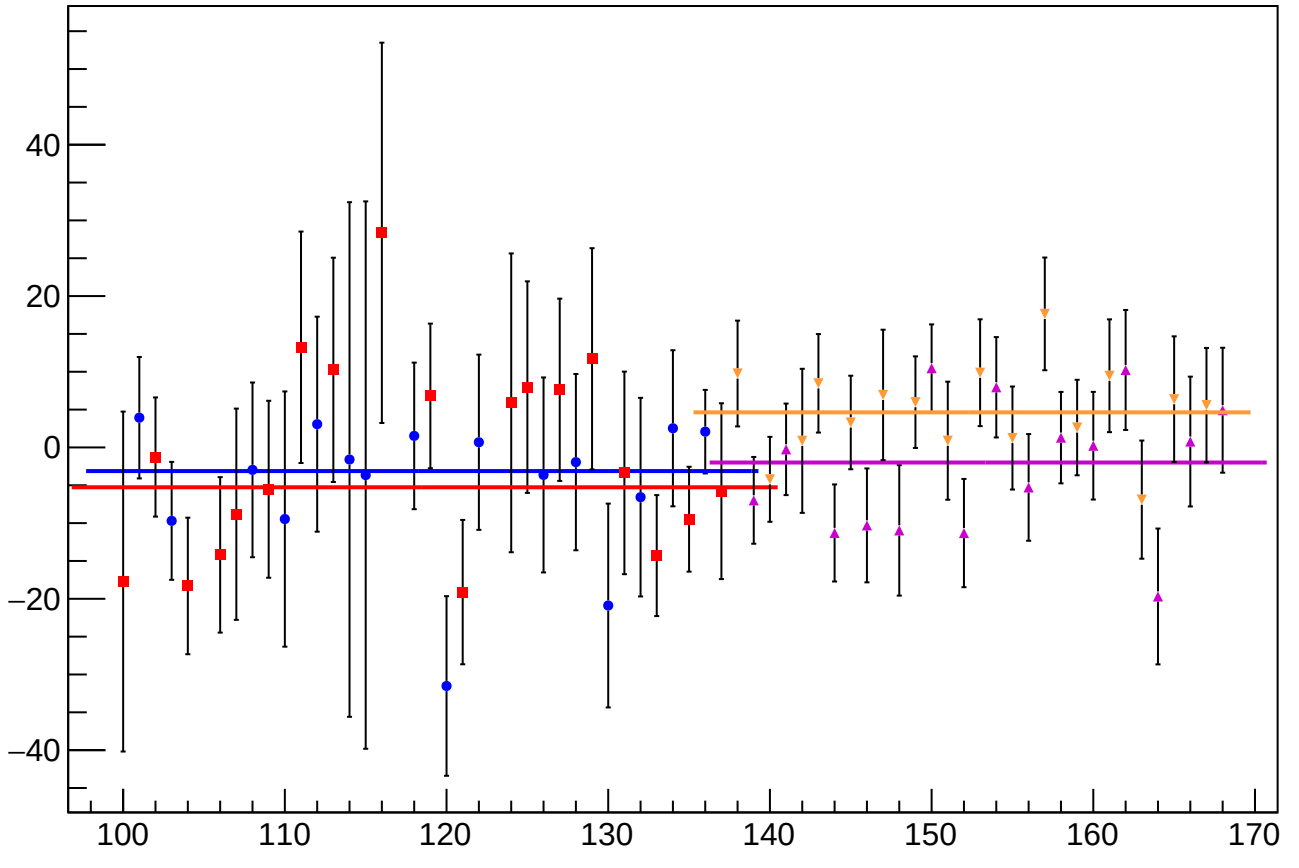
Left: 8593.010+/-1.226 χ^2/NDF: 680776.8/30

Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9474.387+/-1.555 χ^2/NDF:1941502.8/30

Out: 9403.140+/-1.532 χ^2/NDF:2277686.6/34

All: 9438.215+/-1.091 χ^2/NDF: 4220254.7/65



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.636+/-1.764 χ^2/NDF:10.5/15

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -1.993+/-1.798 χ^2/NDF:21.5/14

Left: 1.386+/-1.259 χ^2/NDF: 39.0/30

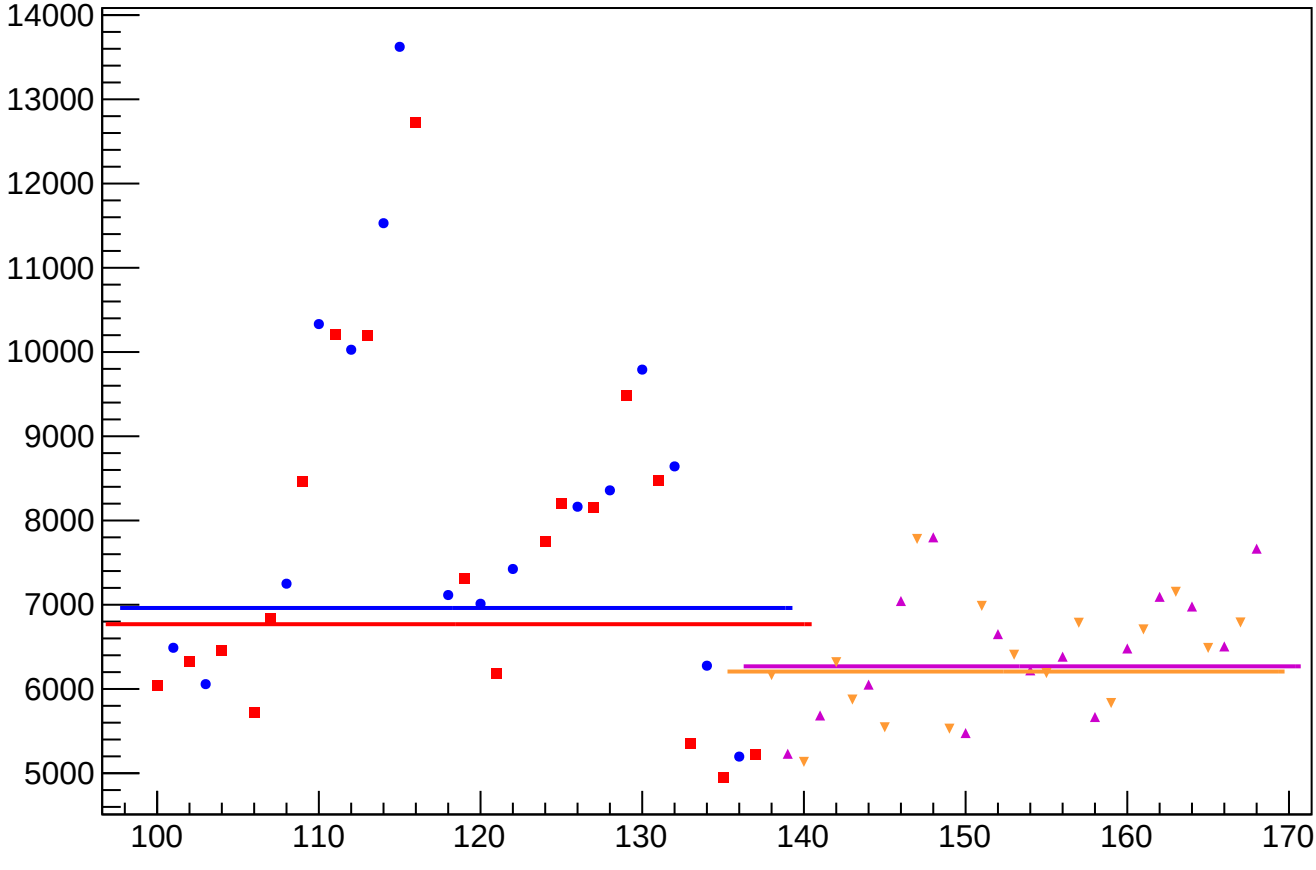
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.348+/-1.489 χ^2/NDF:32.5/30

Out: 1.437+/-1.451 χ^2/NDF:37.6/34

All: -0.407+/-1.039 χ^2/NDF: 73.5/65

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6207.100+/-1.247 χ^2/NDF:286708.3/15

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6268.809+/-1.272 χ^2/NDF:329244.9/14

Left: 6237.358+/-0.890 χ^2/NDF: 617153.7/30

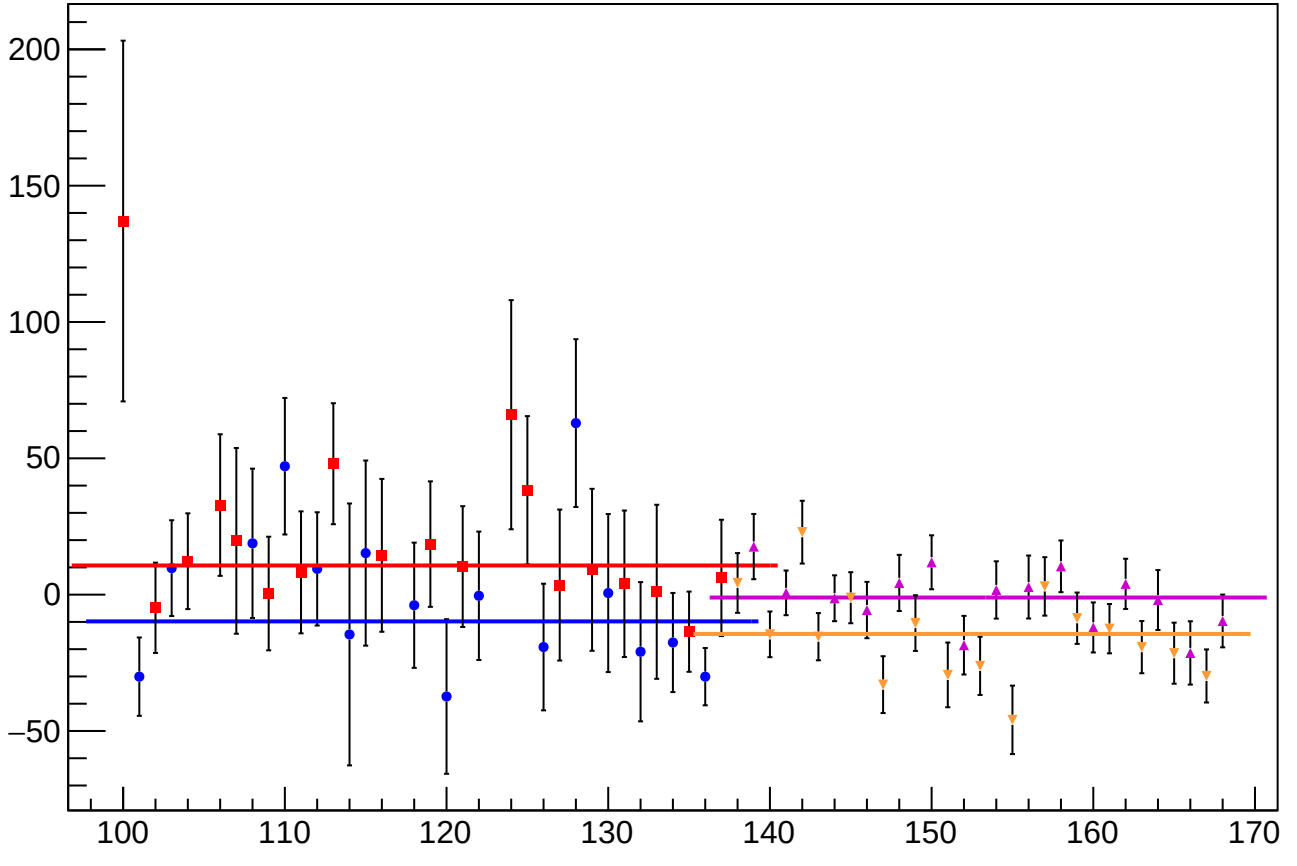
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6486.594+/-1.053 χ^2/NDF:1118979.0/30

Out: 6388.629+/-1.026 χ^2/NDF:1150392.3/34

All: 6436.351+/-0.735 χ^2/NDF: 2273811.6/65

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -14.412+/-2.519 χ^2/NDF:34.1/15

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: -1.053+/-2.570 χ^2/NDF:14.5/14

Left: -7.866+/-1.799 χ^2/NDF: 62.4/30

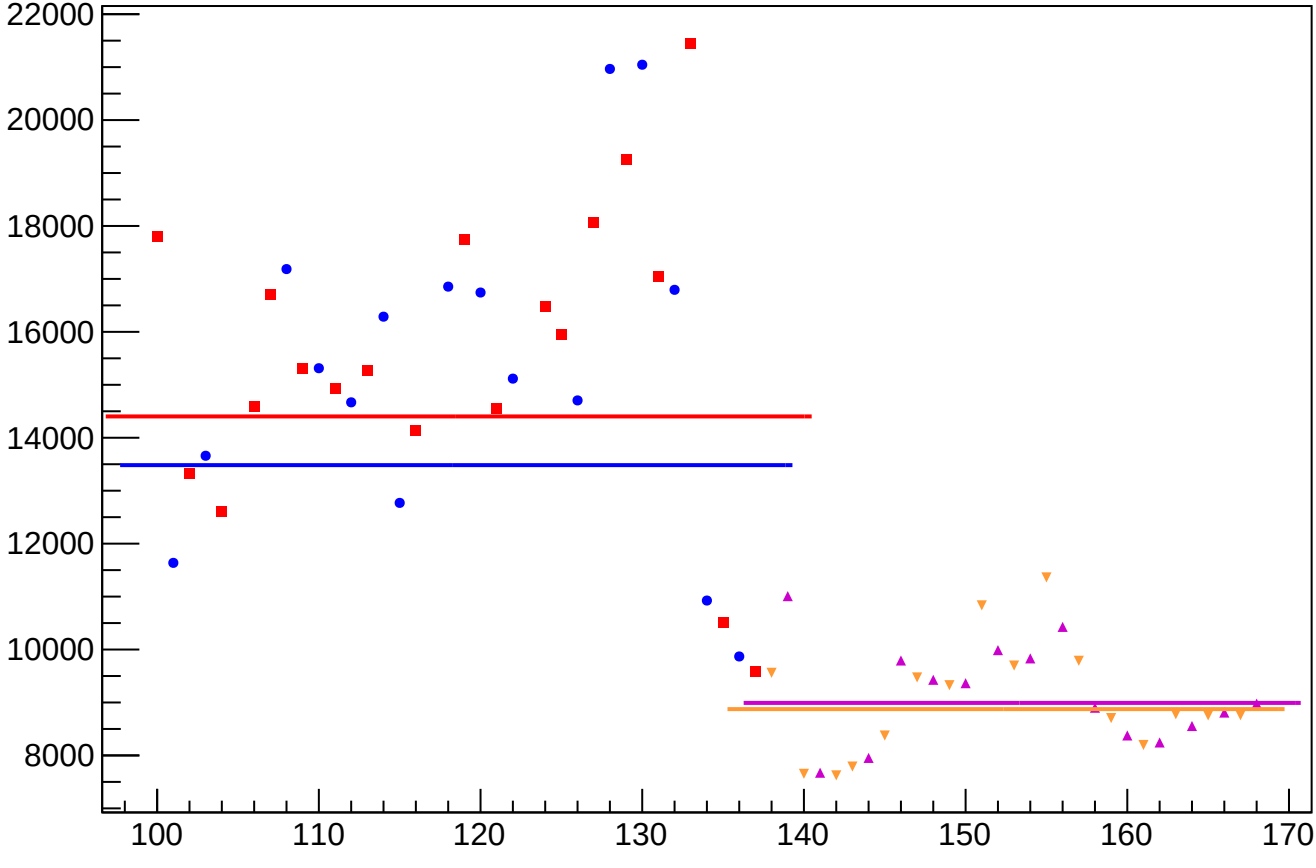
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.784+/-2.302 χ^2/NDF:38.9/30

Out: -9.896+/-2.282 χ^2/NDF:66.3/34

All: -6.372+/-1.621 χ^2/NDF: 110.0/65

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8874.690+/-1.782 χ^2/NDF:293605.5/15

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8991.912+/-1.817 χ^2/NDF:244340.5/14

Left: 8932.131+/-1.272 χ^2/NDF: 540067.5/30

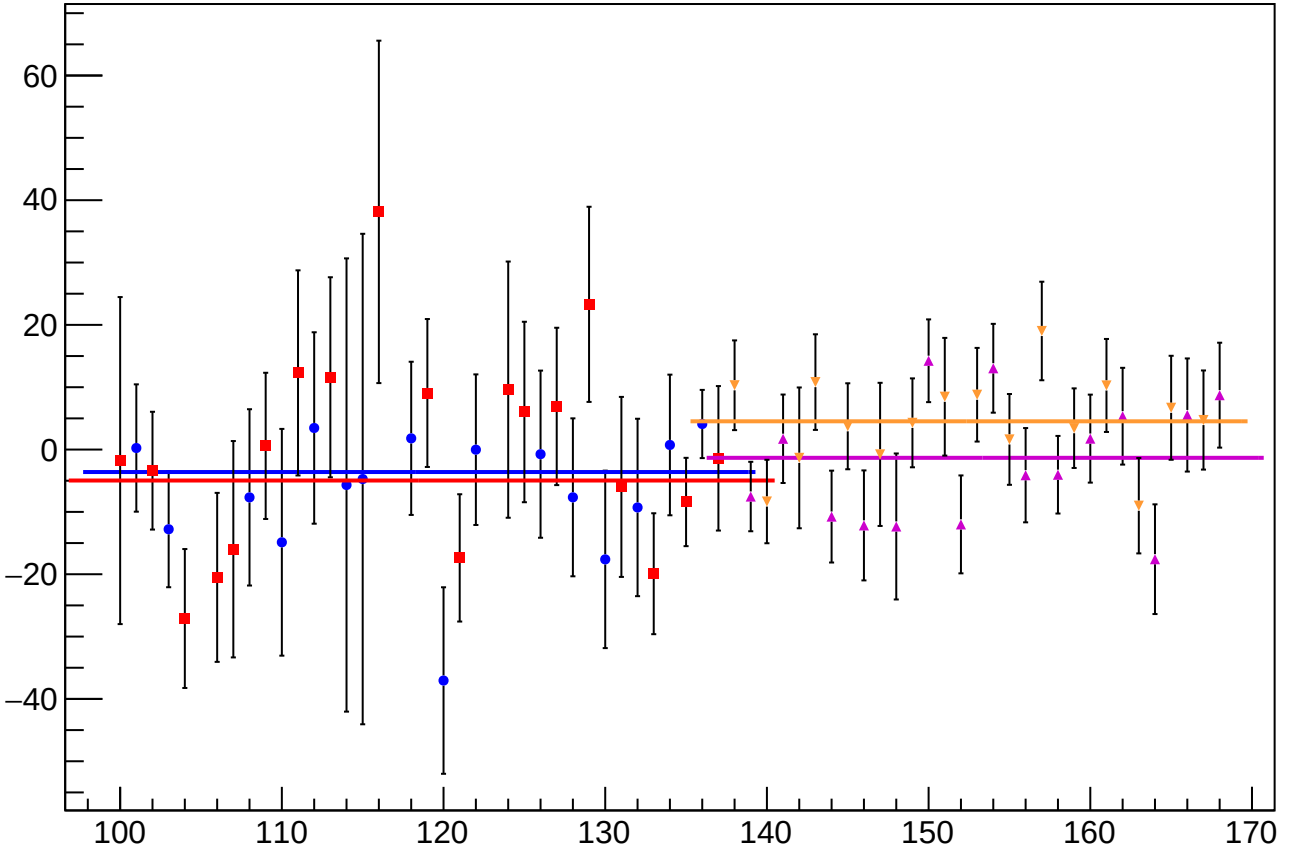
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9879.698+/-1.628 χ^2/NDF:2195085.3/30

Out: 9868.794+/-1.613 χ^2/NDF:2577474.7/34

All: 9874.197+/-1.146 χ^2/NDF: 4772582.7/65

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.532+/-1.930 χ^2/NDF:13.4/15

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.326+/-1.930 χ^2/NDF:23.5/14

Left: 1.602+/-1.365 χ^2/NDF: 41.5/30

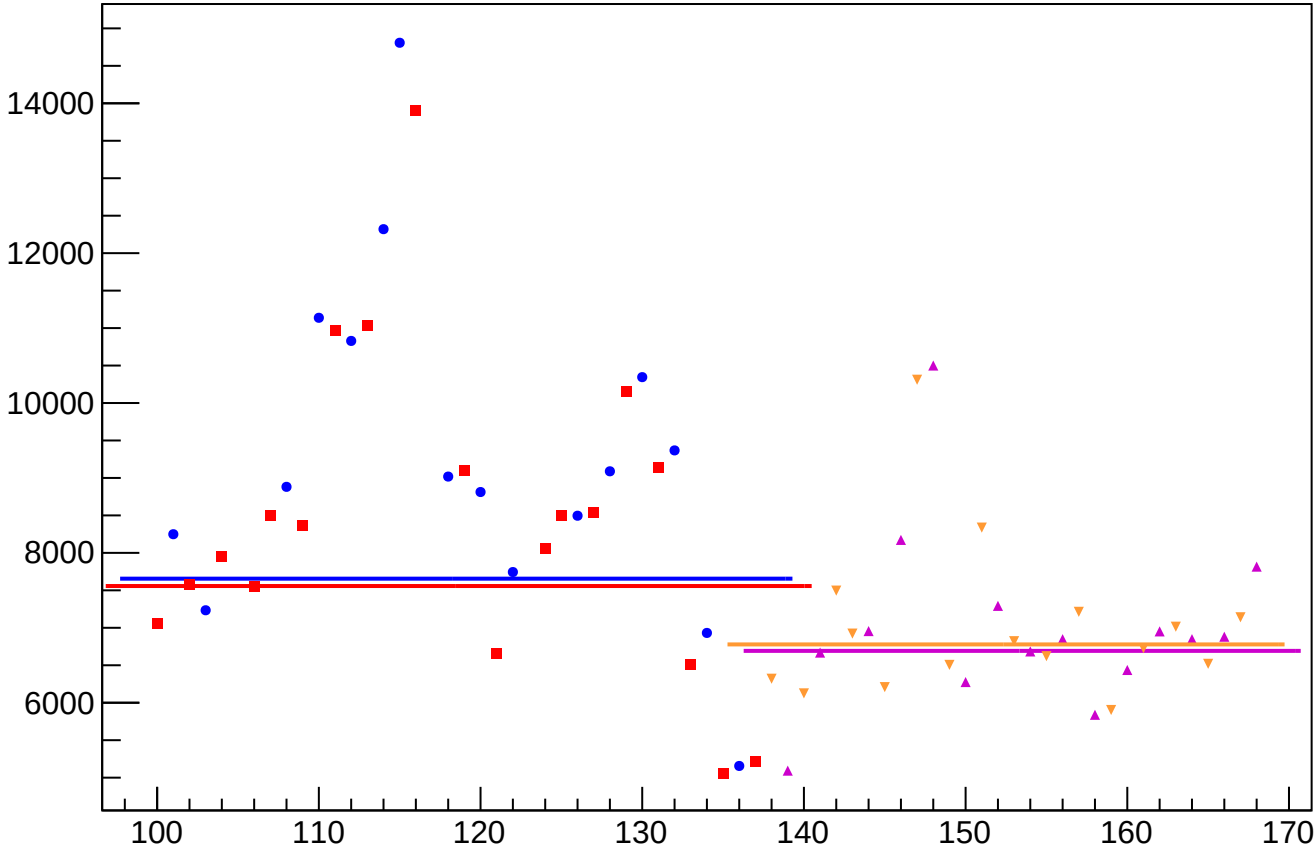
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.013+/-1.613 χ^2/NDF:34.5/30

Out: 1.553+/-1.599 χ^2/NDF:42.3/34

All: -0.214+/-1.136 χ^2/NDF: 79.2/65

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6778.182+/-1.365 χ^2/NDF:349151.8/15

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6691.962+/-1.365 χ^2/NDF:535191.2/14

Left: 6735.065+/-0.965 χ^2/NDF: 886338.1/30

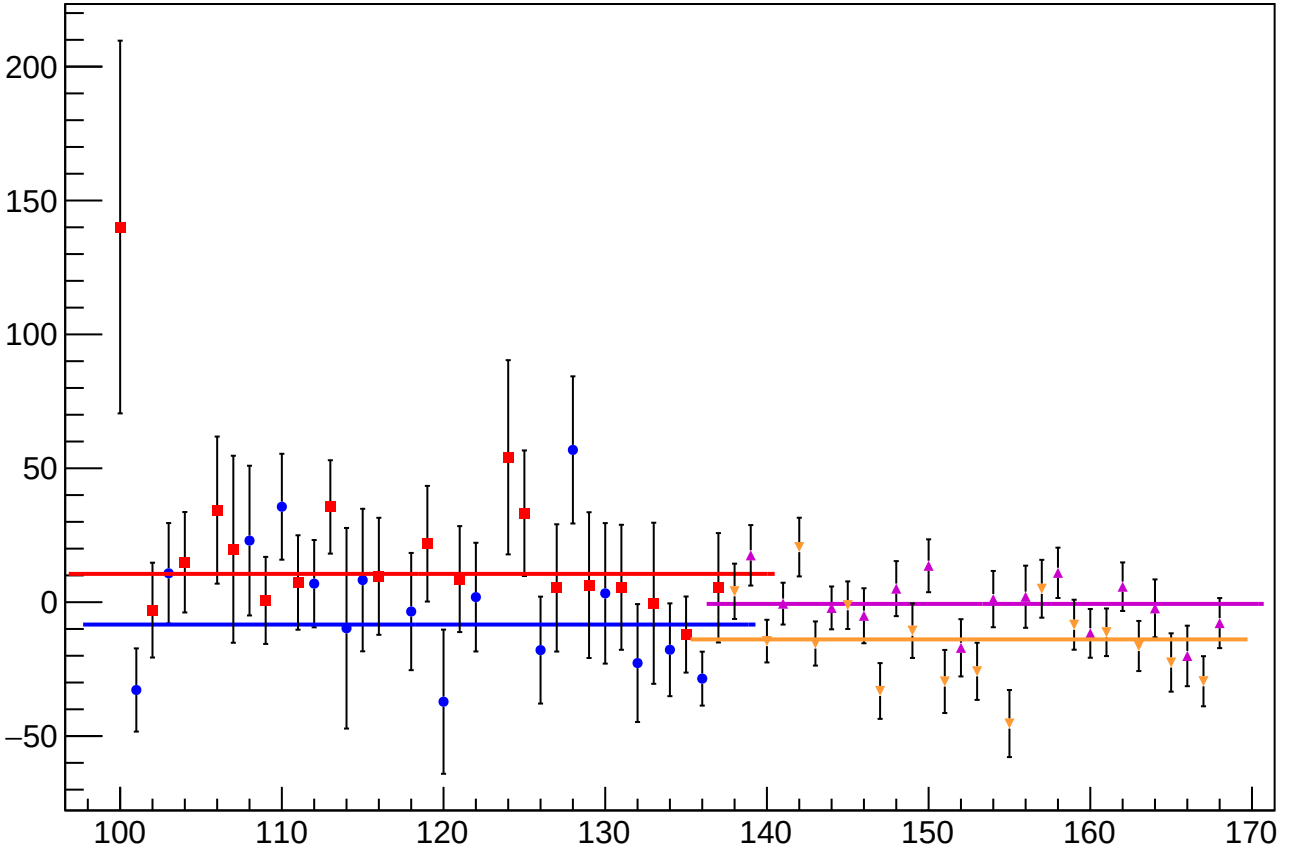
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6982.281+/-1.141 χ^2/NDF:1565192.4/30

Out: 7022.645+/-1.131 χ^2/NDF:1261255.3/34

All: 7002.641+/-0.803 χ^2/NDF: 2827079.2/65

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -13.897+/-2.454 χ^2/NDF:34.9/15

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: -0.639+/-2.518 χ^2/NDF:14.7/14

Left: -7.438+/-1.758 χ^2/NDF: 63.8/30

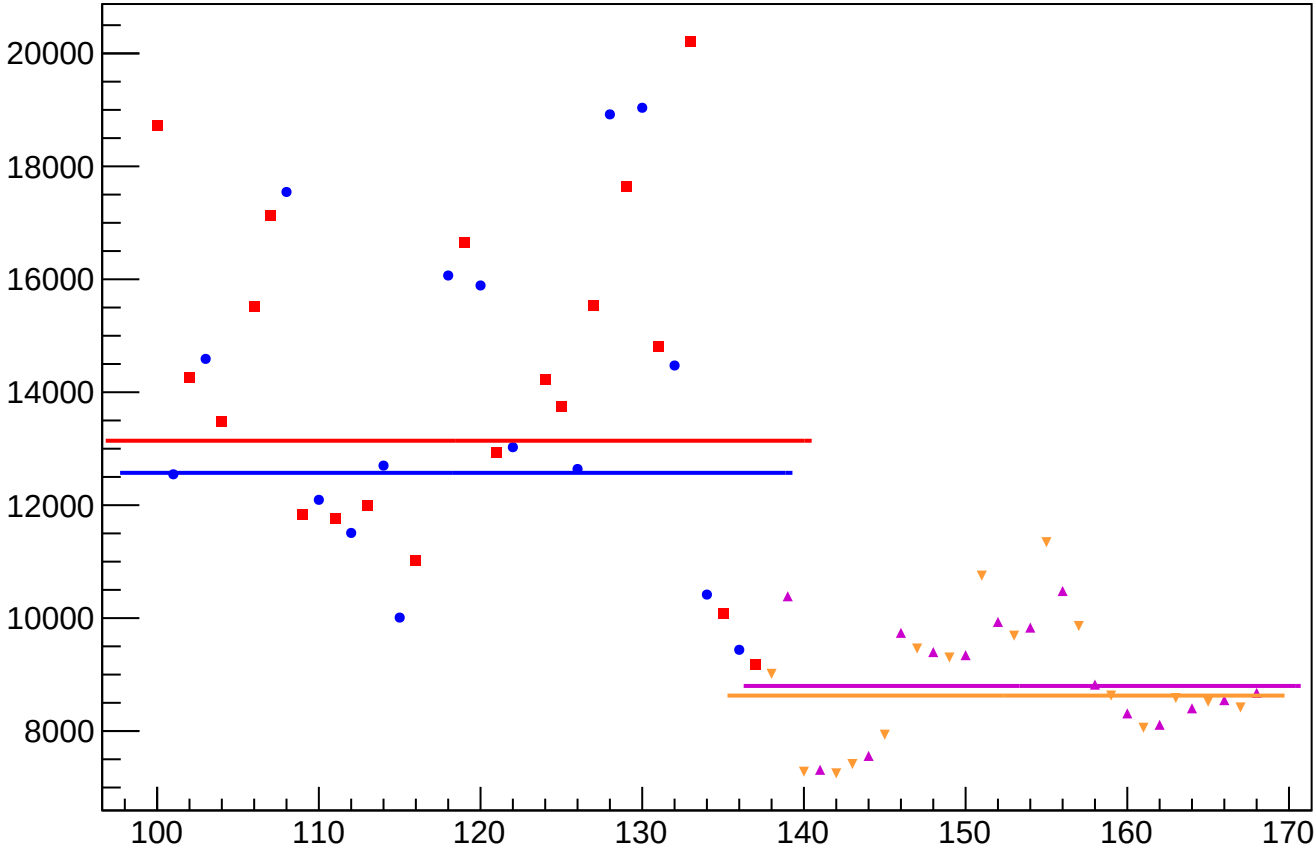
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.296+/-2.231 χ^2/NDF:39.9/30

Out: -9.006+/-2.195 χ^2/NDF:67.6/34

All: -5.706+/-1.565 χ^2/NDF: 112.2/65

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8627.920+/-1.735 χ^2/NDF:382880.0/15

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8798.818+/-1.781 χ^2/NDF:294548.7/14

Left: 8711.170+/-1.243 χ^2/NDF: 682152.8/30

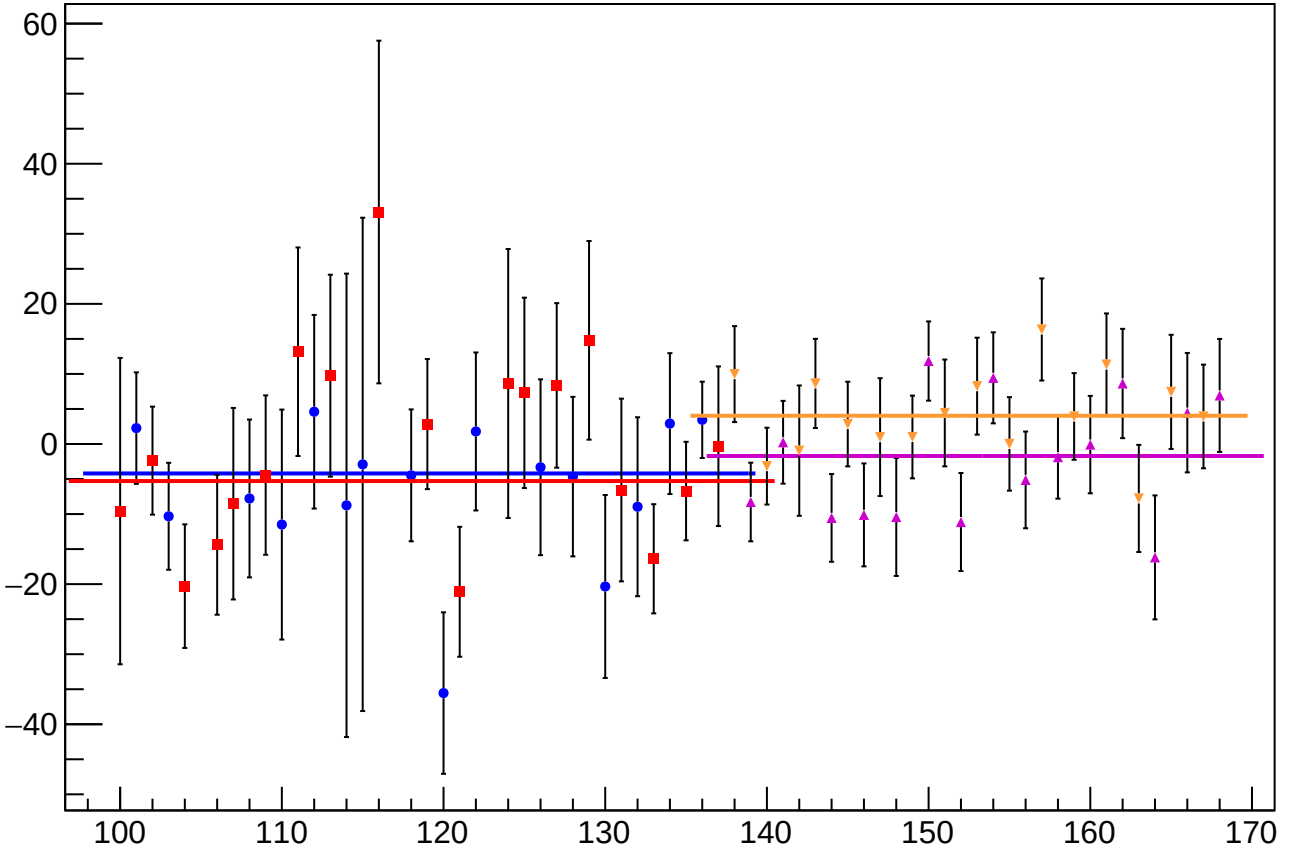
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9609.673+/-1.578 χ^2/NDF:1924643.3/30

Out: 9529.875+/-1.552 χ^2/NDF:2269283.5/34

All: 9569.125+/-1.107 χ^2/NDF: 4195226.5/65

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.034+/-1.726 χ^2/NDF:10.9/15

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -1.712+/-1.761 χ^2/NDF:22.8/14

Left: 1.220+/-1.232 χ^2/NDF: 39.1/30

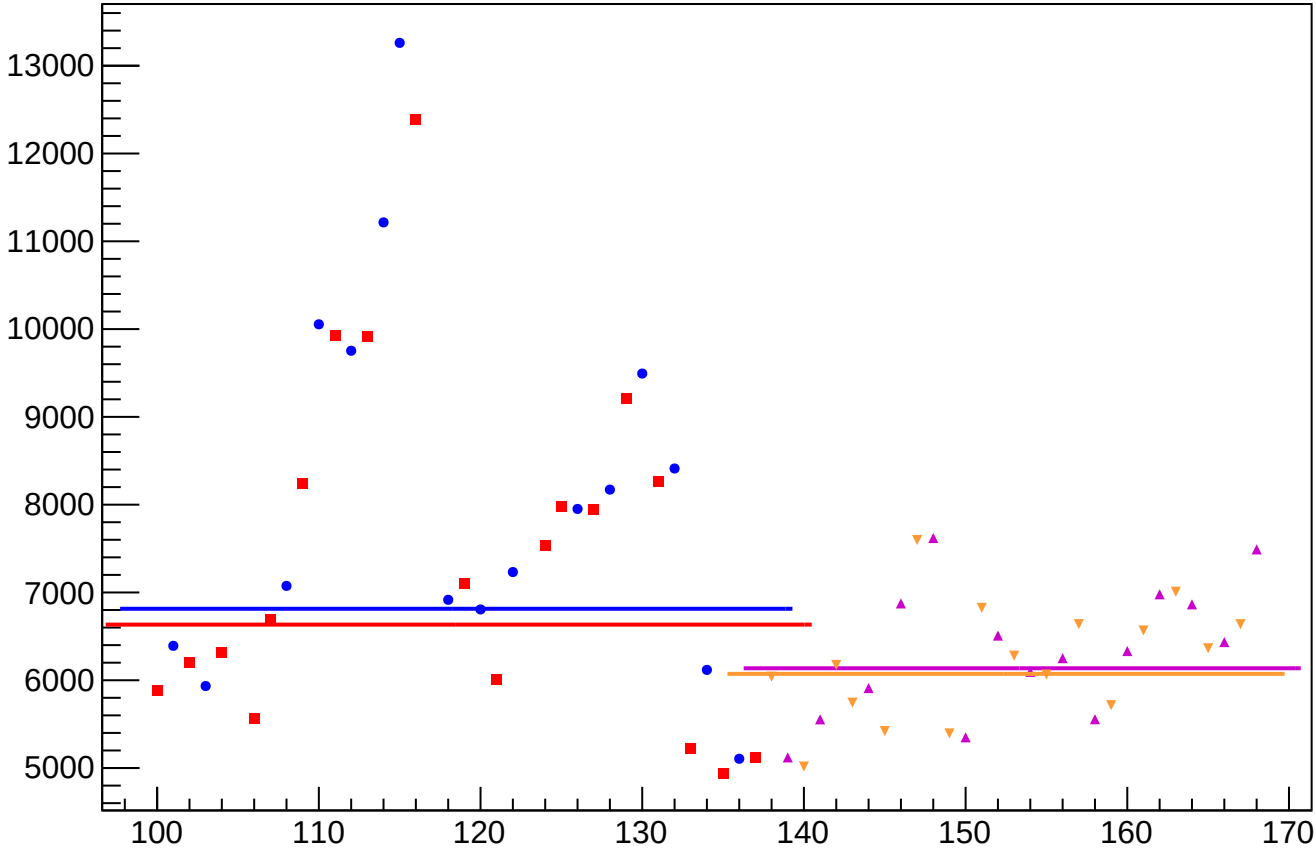
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -2.495+/-1.458 χ^2/NDF:37.3/30

Out: 1.029+/-1.420 χ^2/NDF:40.0/34

All: -0.687+/-1.017 χ^2/NDF: 80.3/65

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6072.555+/-1.220 χ^2/NDF:288489.6/15

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6136.602+/-1.245 χ^2/NDF:331238.7/14

Left: 6103.927+/-0.872 χ^2/NDF: 621077.9/30

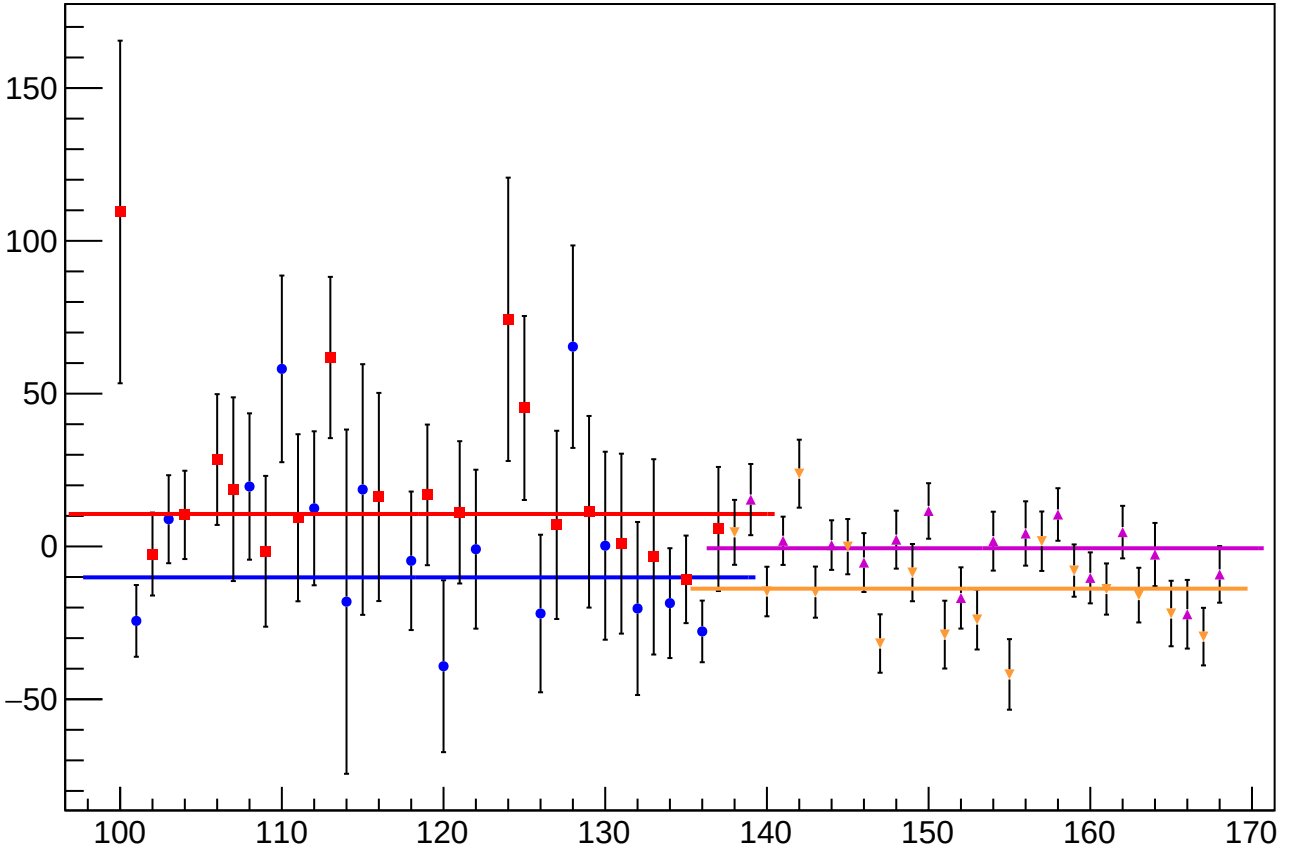
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6349.681+/-1.031 χ^2/NDF:1098458.0/30

Out: 6253.426+/-1.004 χ^2/NDF:1120010.6/34

All: 6300.296+/-0.719 χ^2/NDF: 2222940.3/65

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.813+/-2.370 χ^2/NDF:35.9/15

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -0.593+/-2.406 χ^2/NDF:15.0/14

Left: -7.304+/-1.688 χ^2/NDF: 66.2/30

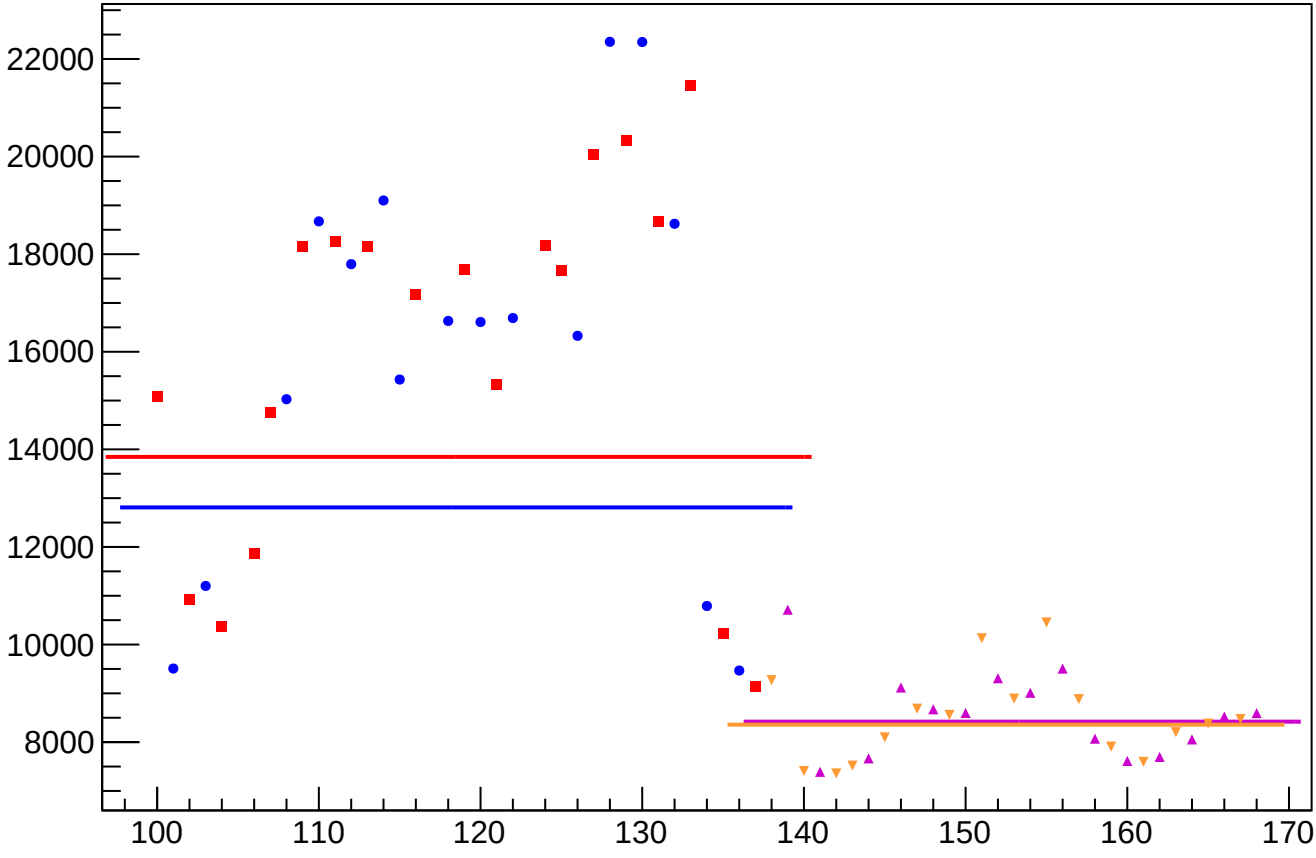
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.373+/-2.170 χ^2/NDF:39.2/30

Out: -9.711+/-2.162 χ^2/NDF:68.5/34

All: -6.055+/-1.531 χ^2/NDF: 113.4/65

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8358.006+/-1.676 χ^2/NDF:234985.6/15

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8419.913+/-1.701 χ^2/NDF:225543.3/14

Left: 8388.489+/-1.194 χ^2/NDF: 461201.0/30

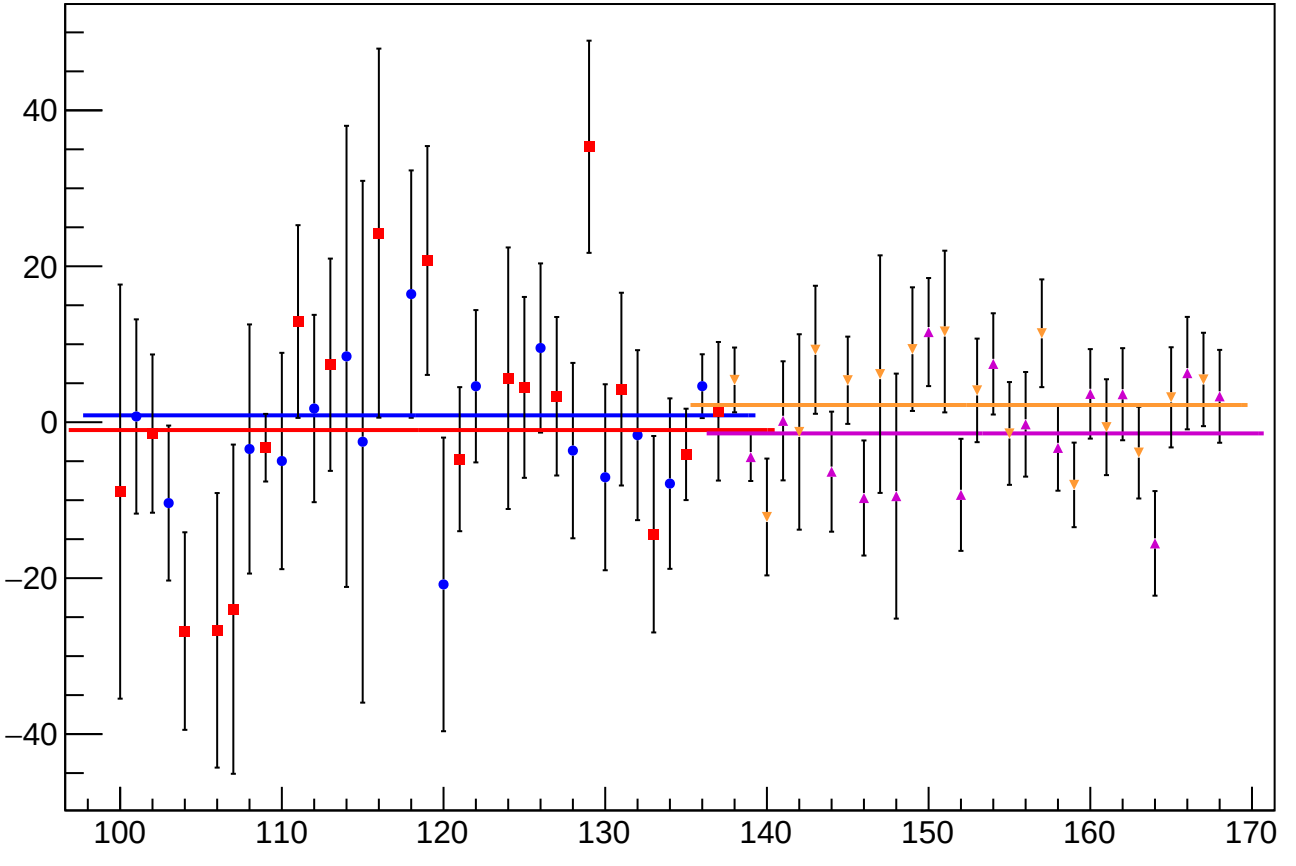
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9240.800+/-1.534 χ^2/NDF:2718706.8/30

Out: 9279.093+/-1.529 χ^2/NDF:3131568.3/34

All: 9260.015+/-1.083 χ^2/NDF: 5850587.8/65

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.207+/-1.652 χ^2/NDF:14.5/15

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -1.435+/-1.561 χ^2/NDF:17.4/14

Left: 0.284+/-1.135 χ^2/NDF: 34.4/30

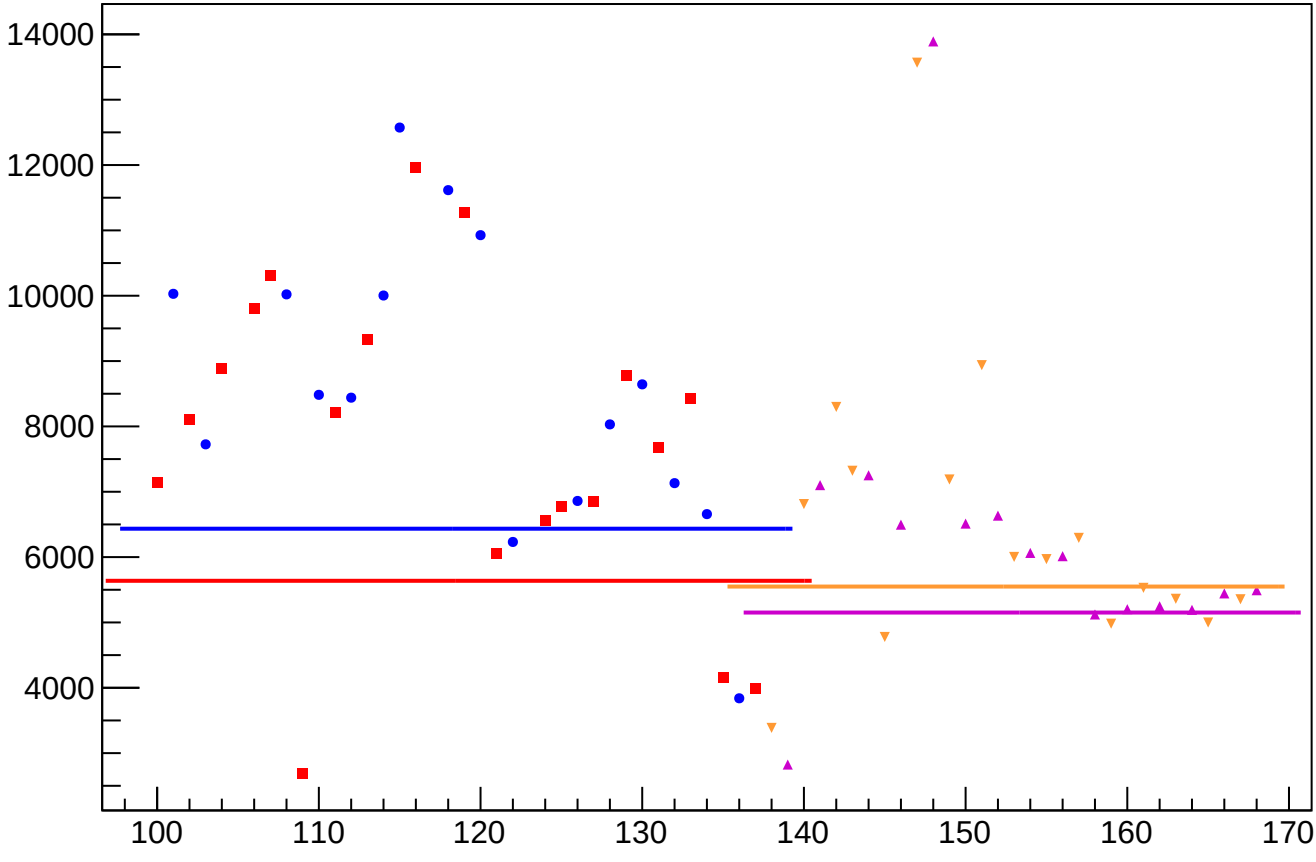
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.809+/-1.334 χ^2/NDF:24.8/30

Out: 1.122+/-1.344 χ^2/NDF:38.1/34

All: 0.149+/-0.947 χ^2/NDF: 63.9/65

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5549.198+/-1.168 χ^2/NDF:1760494.5/15

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5151.454+/-1.104 χ^2/NDF:2356721.2/14

Left: 5339.099+/-0.802 χ^2/NDF: 4178461.7/30

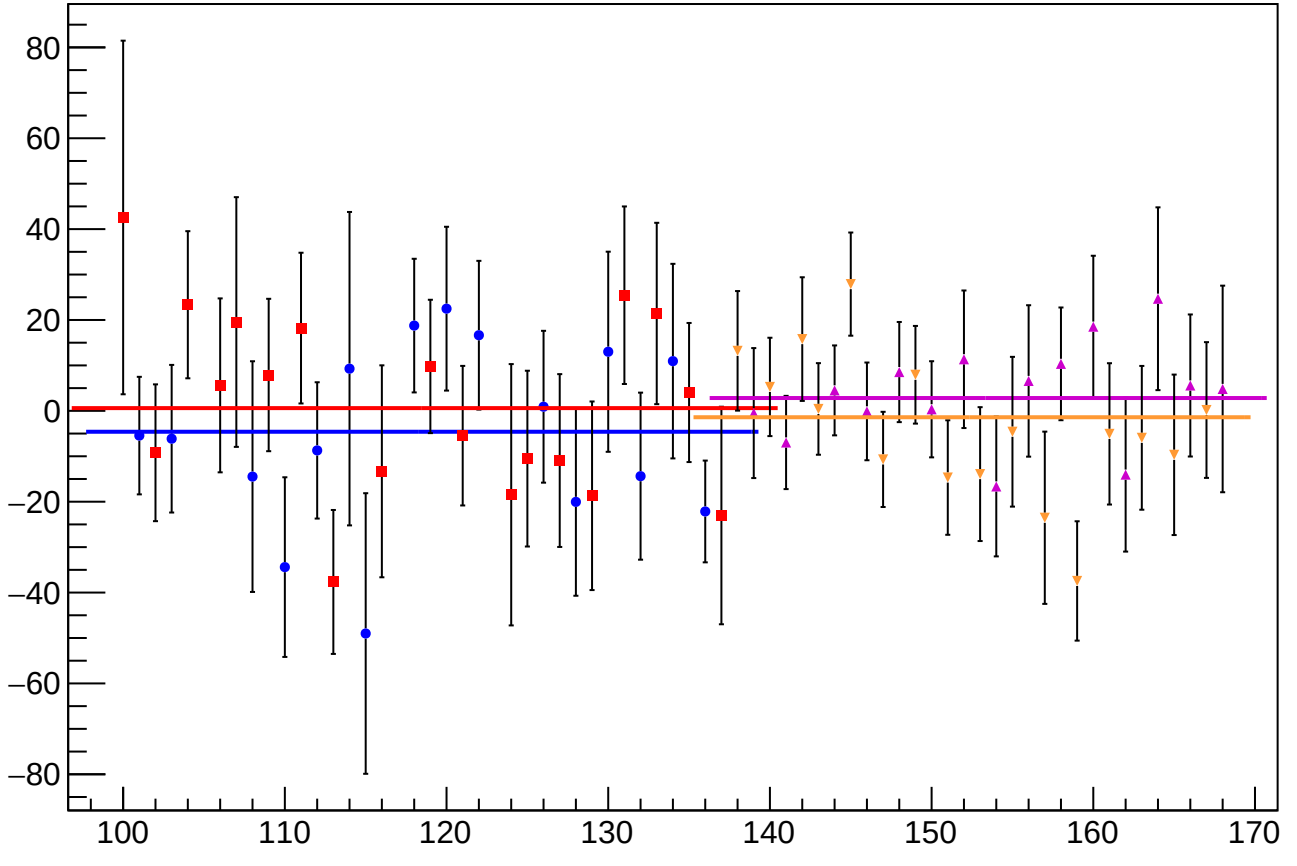
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5498.076+/-0.943 χ^2/NDF:4472298.2/30

Out: 5578.957+/-0.951 χ^2/NDF:4342430.6/34

All: 5538.192+/-0.670 χ^2/NDF: 8818376.9/65

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.410+/-3.261 χ^2/NDF:22.6/15

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.821+/-3.427 χ^2/NDF:6.9/14

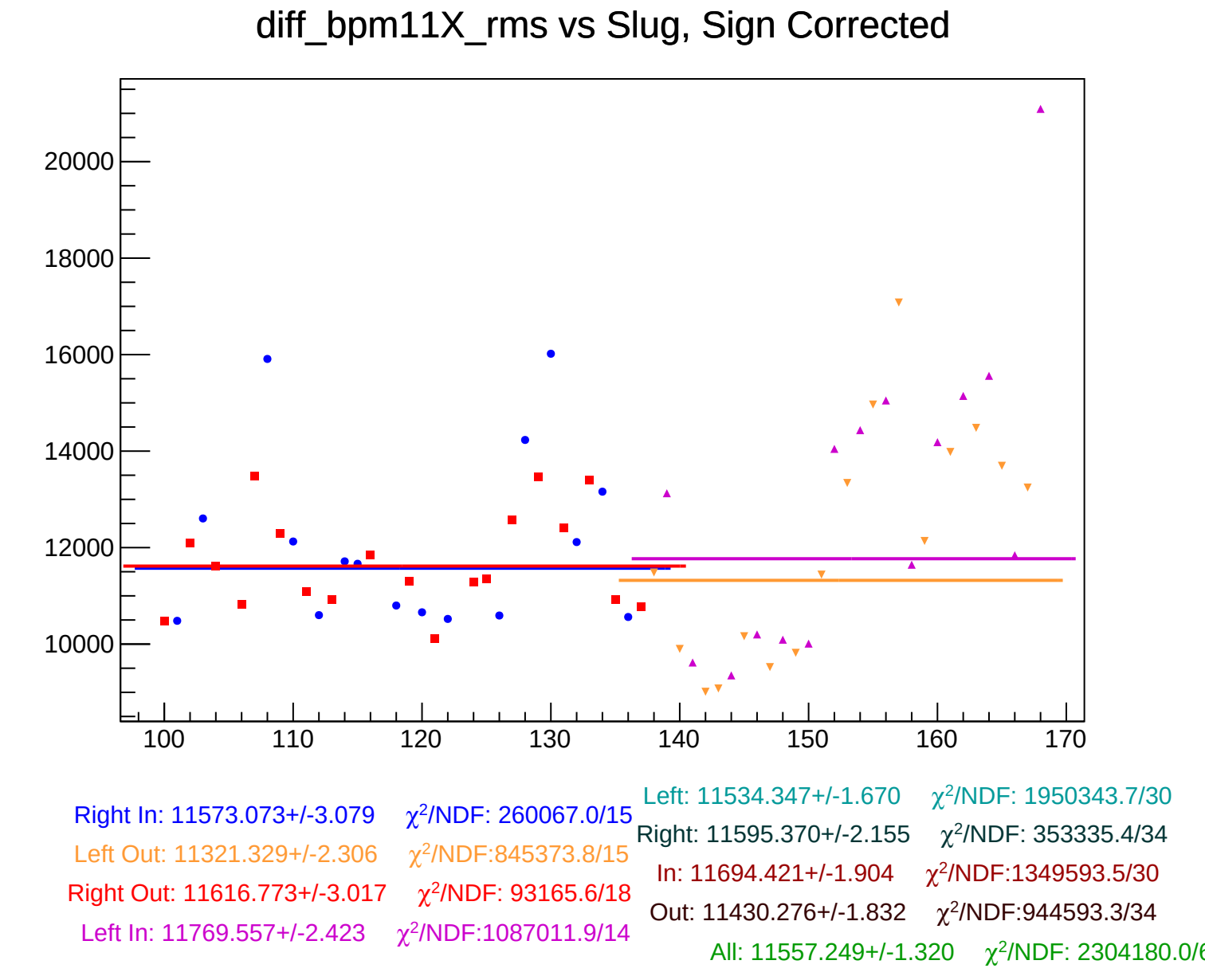
Left: 0.601+/-2.362 χ^2/NDF: 30.3/30

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

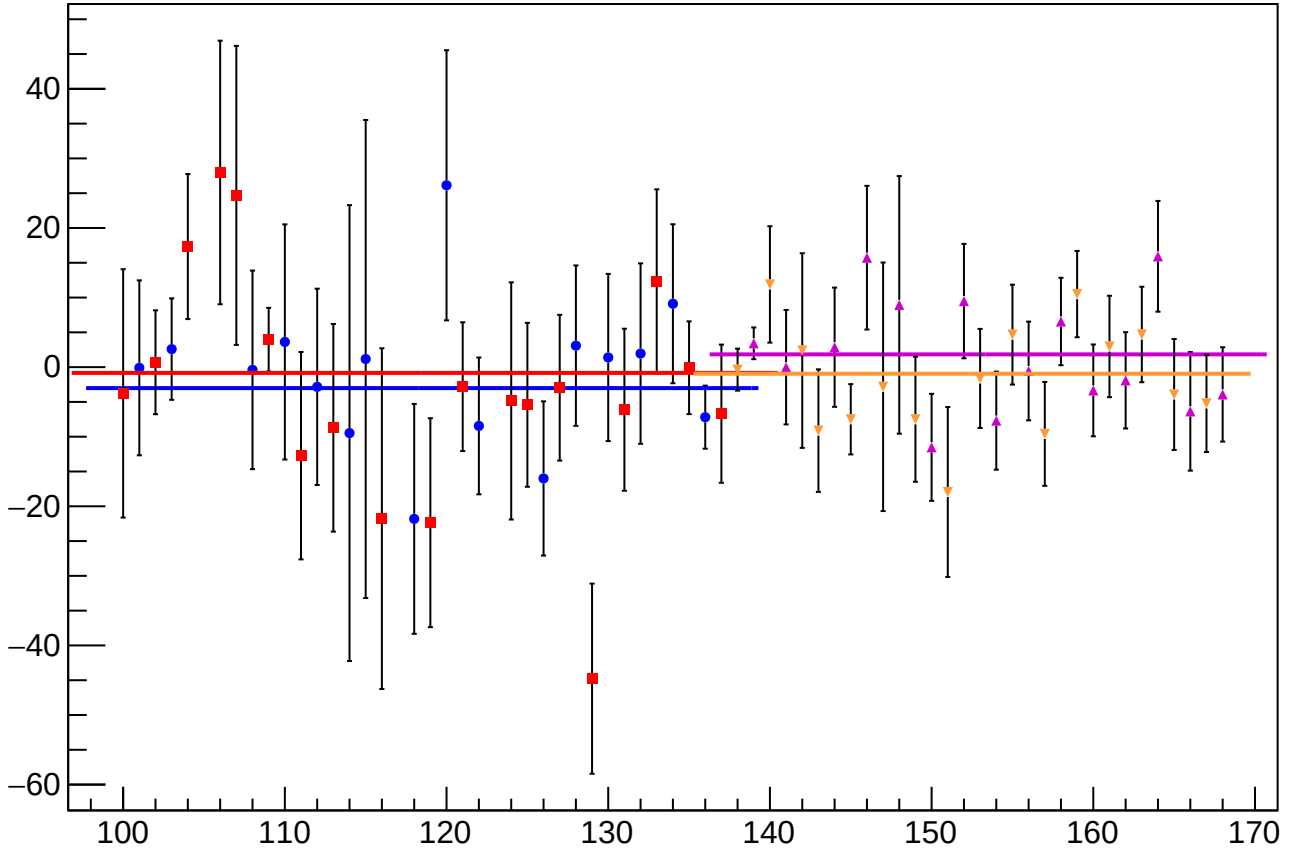
In: -0.018+/-2.693 χ^2/NDF:24.5/30

Out: -0.669+/-2.591 χ^2/NDF:40.6/34

All: -0.356+/-1.867 χ^2/NDF: 65.1/65


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11321.329+/-2.306 χ²/NDF:845373.8/15
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11769.557+/-2.423 χ²/NDF:1087011.9/14
Left: 11534.347+/-1.670 χ²/NDF: 1950343.7/30
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11694.421+/-1.904 χ²/NDF:1349593.5/30
Out: 11430.276+/-1.832 χ²/NDF:944593.3/34
All: 11557.249+/-1.320 χ²/NDF: 2304180.0/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.950+/-1.660 χ^2/NDF:14.3/15

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 1.832+/-1.534 χ^2/NDF:14.6/14

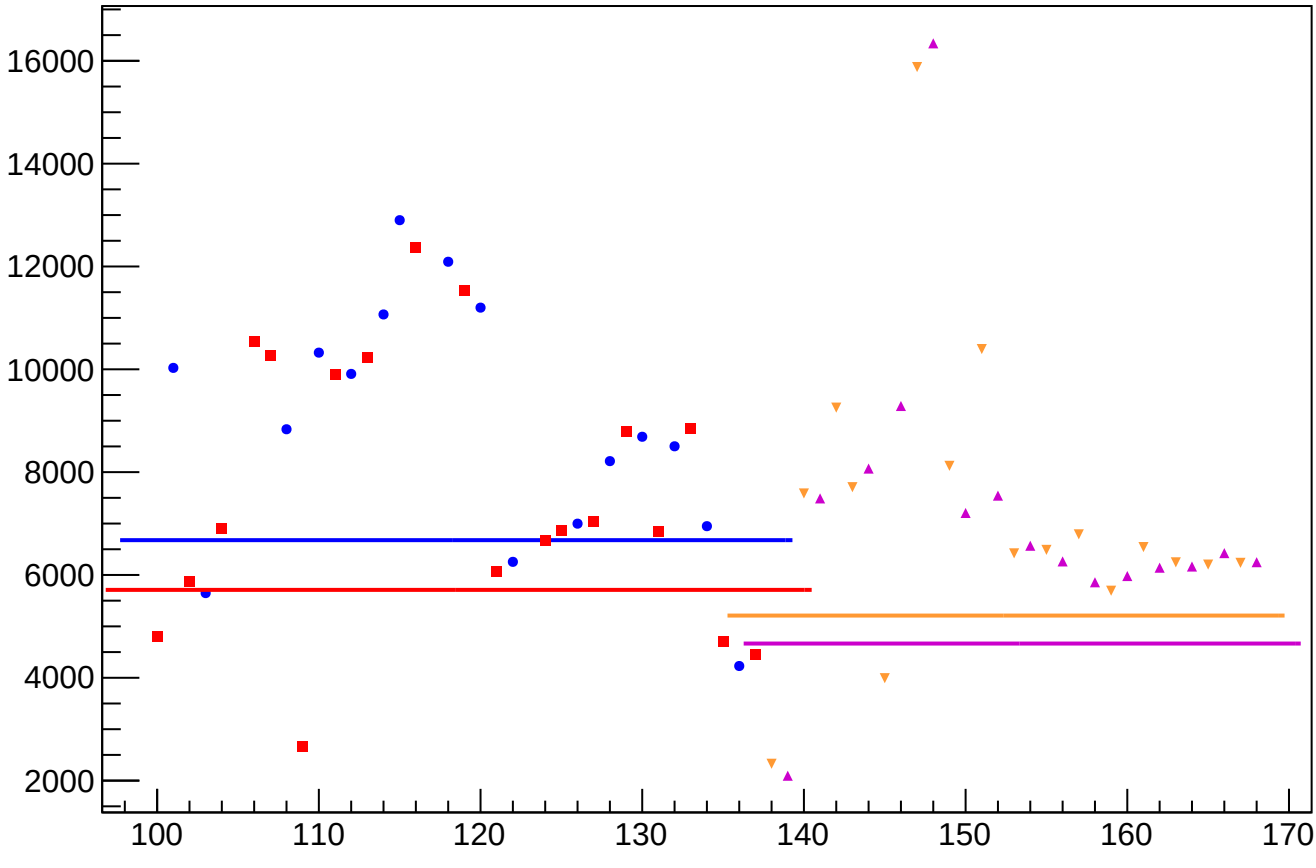
Left: 0.551+/-1.126 χ^2/NDF: 30.4/30

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.619+/-1.328 χ^2/NDF:25.7/30

Out: -0.911+/-1.356 χ^2/NDF:38.1/34

All: -0.129+/-0.949 χ^2/NDF: 64.5/65



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5210.274+/-1.174 χ^2/NDF:4123470.4/15

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4666.007+/-1.084 χ^2/NDF:5506600.7/14

Left: 4916.588+/-0.797 χ^2/NDF: 9746060.2/30

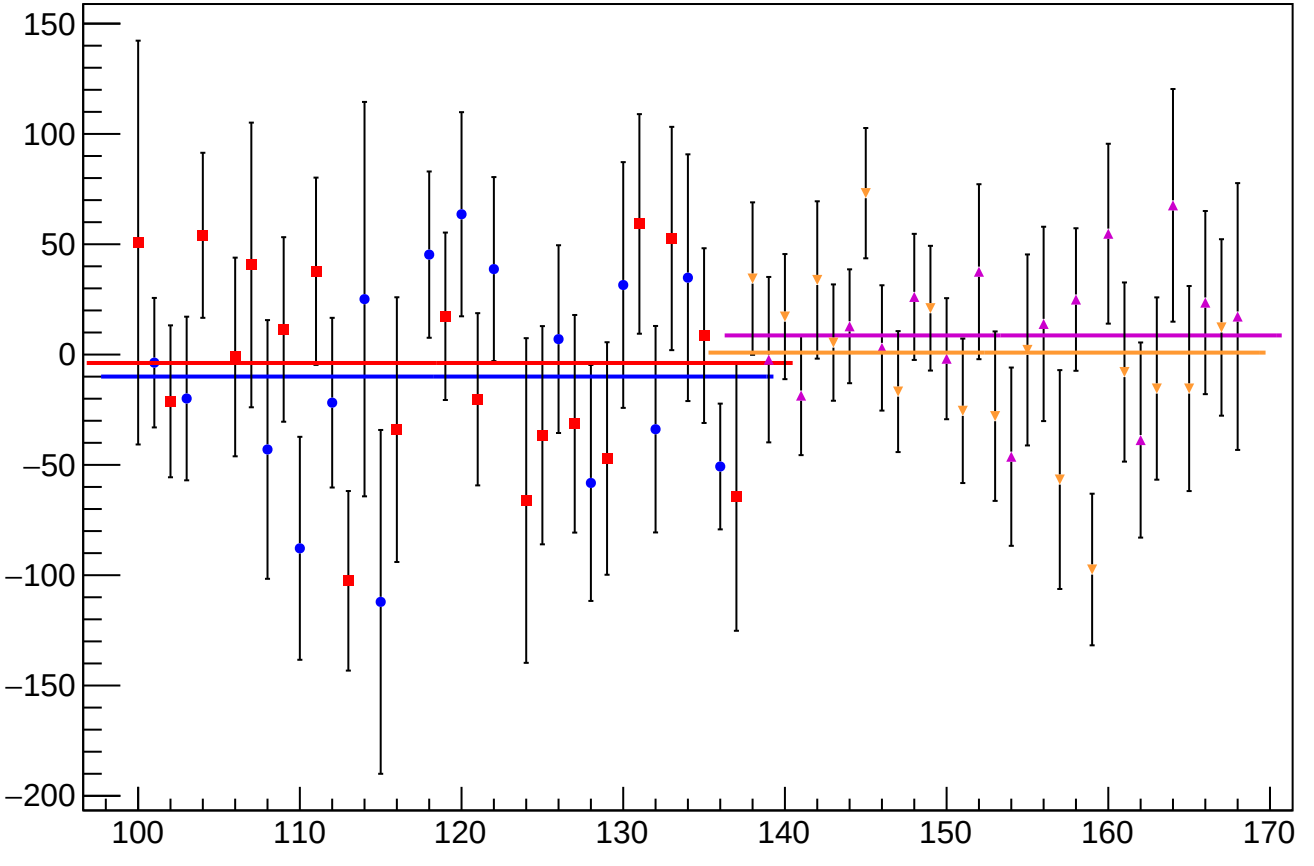
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5169.346+/-0.939 χ^2/NDF:7940282.1/30

Out: 5376.433+/-0.959 χ^2/NDF:6484741.8/34

All: 5270.694+/-0.671 χ^2/NDF: 14448832.8/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.884+/-8.539 χ^2/NDF:20.2/15

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 8.678+/-8.970 χ^2/NDF:8.2/14

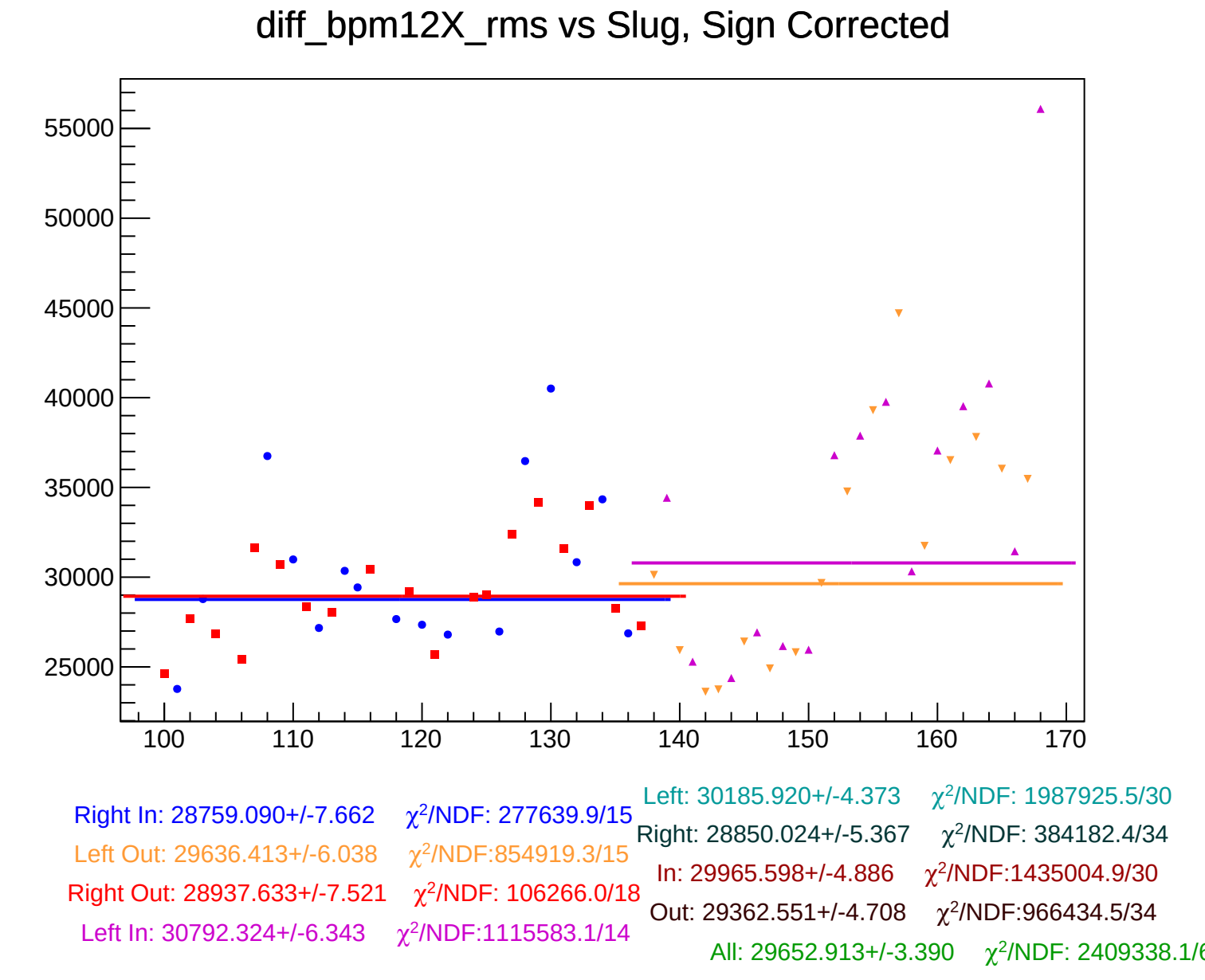
Left: 4.589+/-6.185 χ^2/NDF: 28.8/30

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

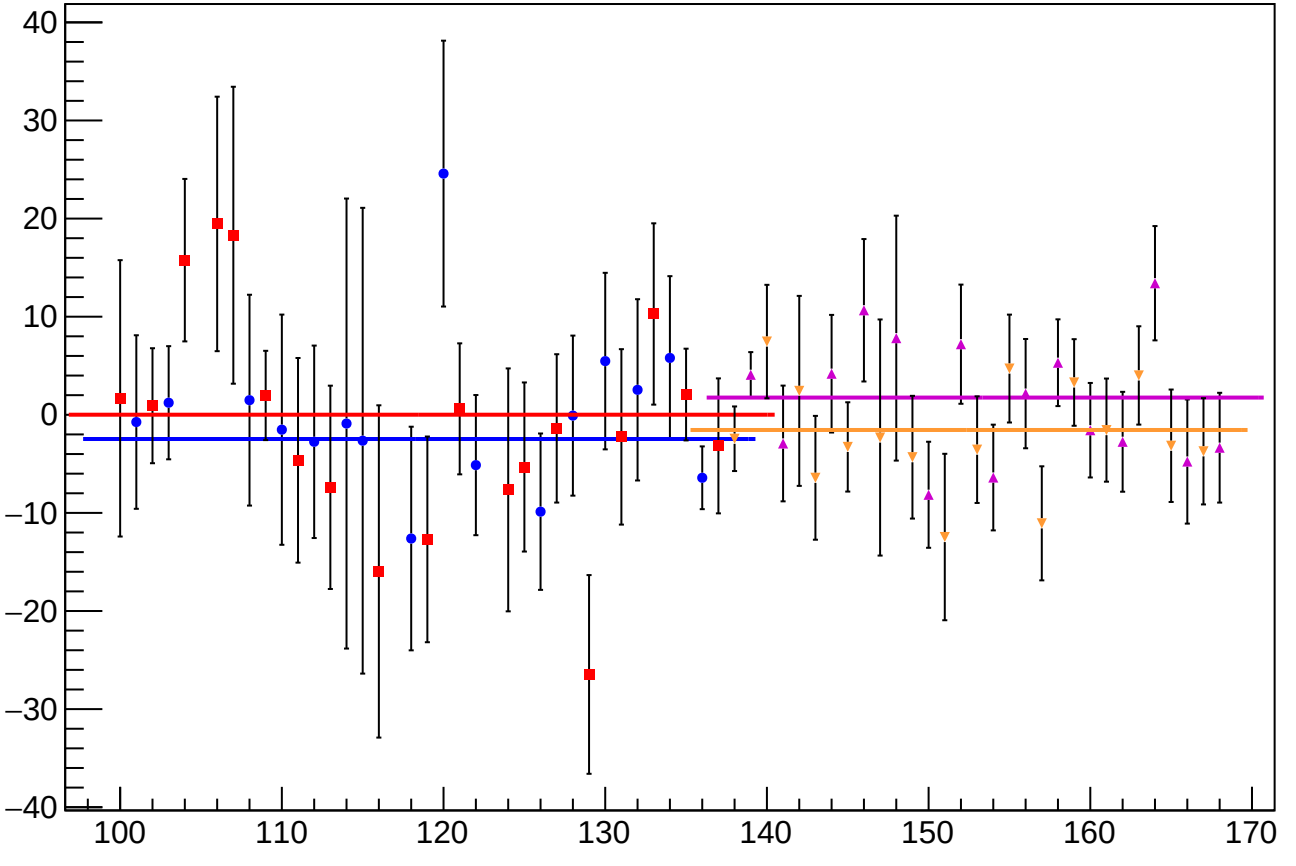
In: 1.096+/-6.910 χ^2/NDF:25.2/30

Out: -0.957+/-6.659 χ^2/NDF:37.6/34

All: 0.031+/-4.795 χ^2/NDF: 62.9/65


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29636.413+/-6.038 χ²/NDF:854919.3/15
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30792.324+/-6.343 χ²/NDF:1115583.1/14
Left: 30185.920+/-4.373 χ²/NDF: 1987925.5/30
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29965.598+/-4.886 χ²/NDF:1435004.9/30
Out: 29362.551+/-4.708 χ²/NDF:966434.5/34
All: 29652.913+/-3.390 χ²/NDF: 2409338.1/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.548+/-1.360 χ^2/NDF:12.1/15

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 1.755+/-1.273 χ^2/NDF:17.8/14

Left: 0.212+/-0.929 χ^2/NDF: 33.0/30

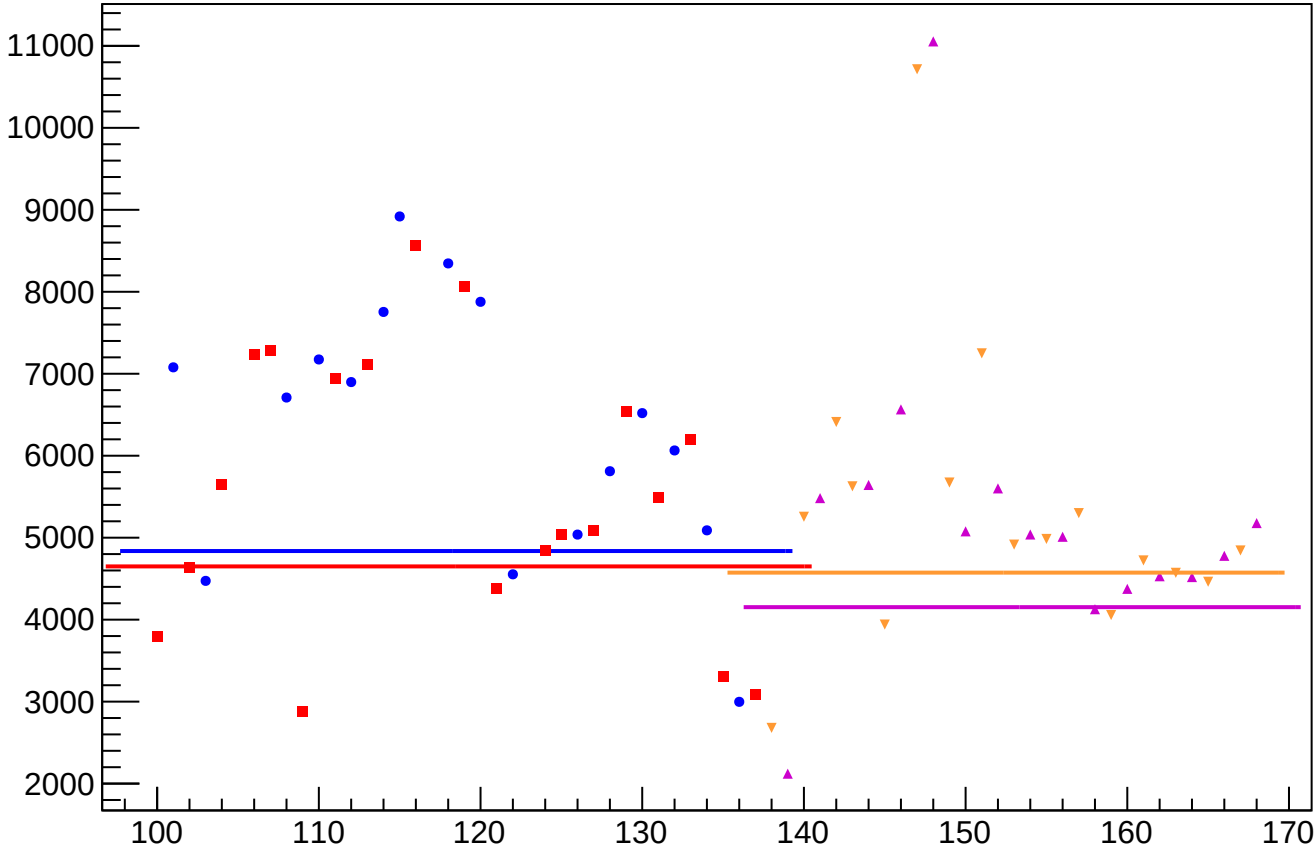
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.461+/-1.060 χ^2/NDF:31.2/30

Out: -0.993+/-1.091 χ^2/NDF:32.5/34

All: -0.246+/-0.760 χ^2/NDF: 64.6/65

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4573.837+/-0.961 χ^2/NDF:1722713.4/15

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4152.540+/-0.900 χ^2/NDF:2990311.9/14

Left: 4349.406+/-0.657 χ^2/NDF: 4815336.5/30

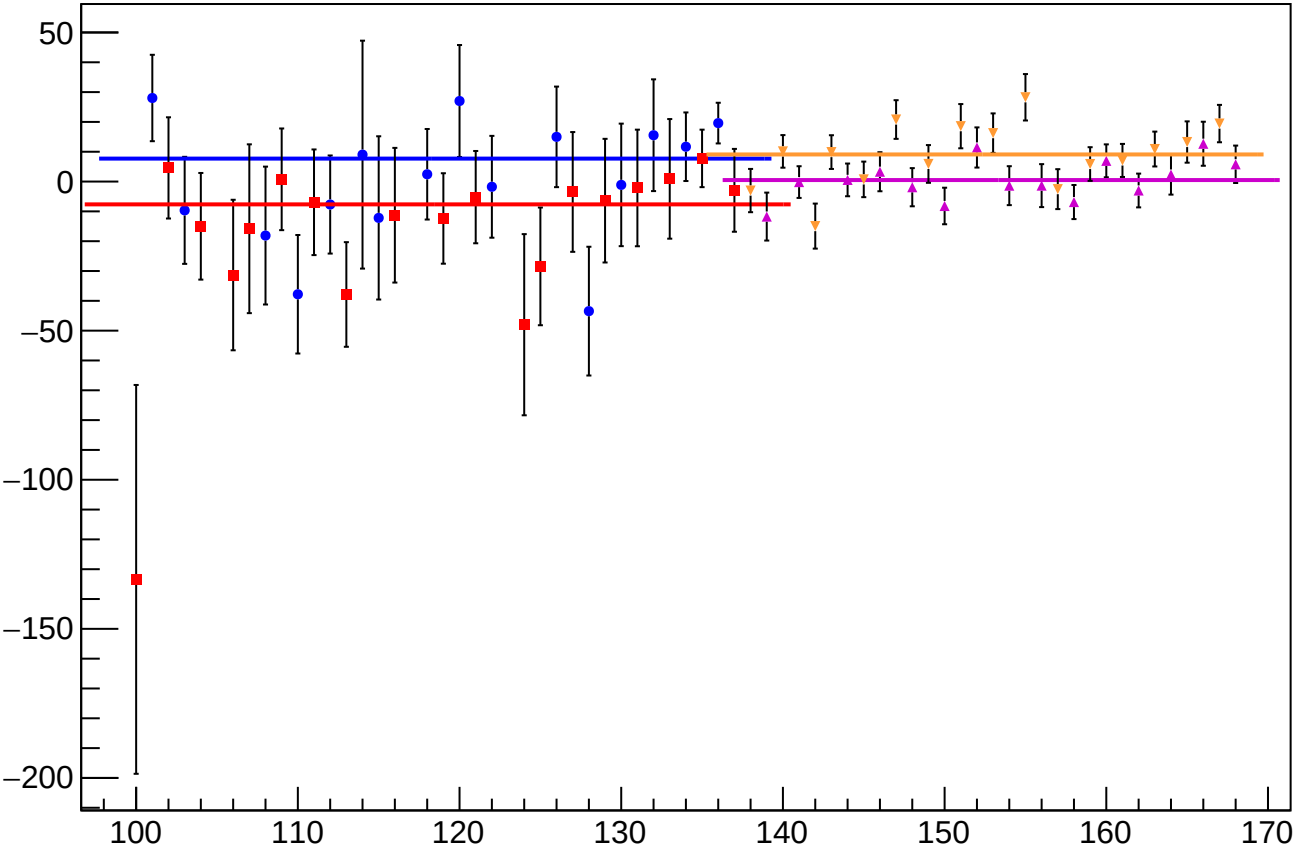
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4362.332+/-0.750 χ^2/NDF:4715258.5/30

Out: 4600.821+/-0.771 χ^2/NDF:3159474.6/34

All: 4478.195+/-0.538 χ^2/NDF: 7923879.0/65

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 9.093+/-1.586 χ^2/NDF:34.0/15

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.503+/-1.614 χ^2/NDF:14.4/14

Left: 4.873+/-1.131 χ^2/NDF: 62.7/30

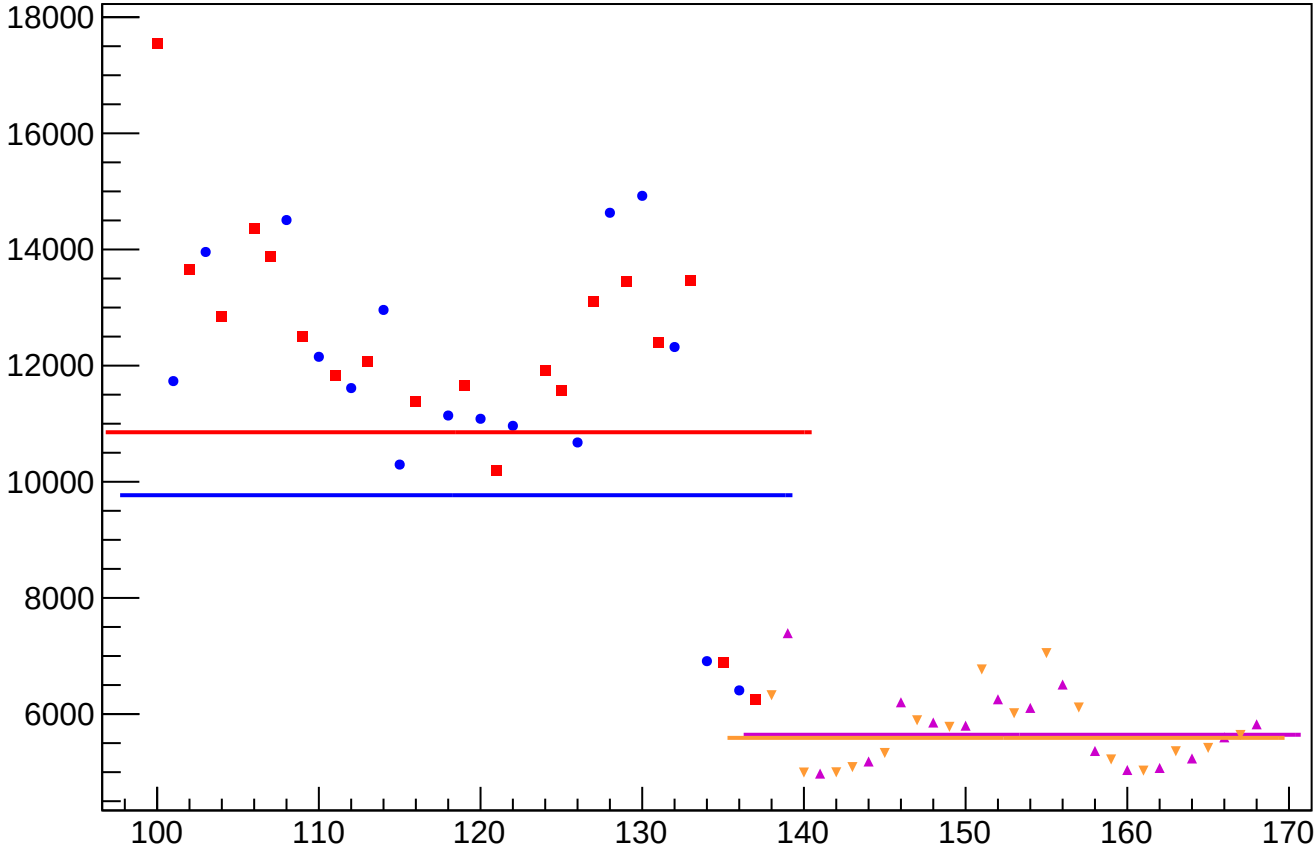
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.593+/-1.487 χ^2/NDF:39.0/30

Out: 6.912+/-1.479 χ^2/NDF:63.1/34

All: 4.267+/-1.049 χ^2/NDF: 108.5/65

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5590.495+/-1.122 χ^2/NDF:257503.2/15

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5643.920+/-1.141 χ^2/NDF:272228.3/14

Left: 5616.738+/-0.800 χ^2/NDF: 530846.0/30

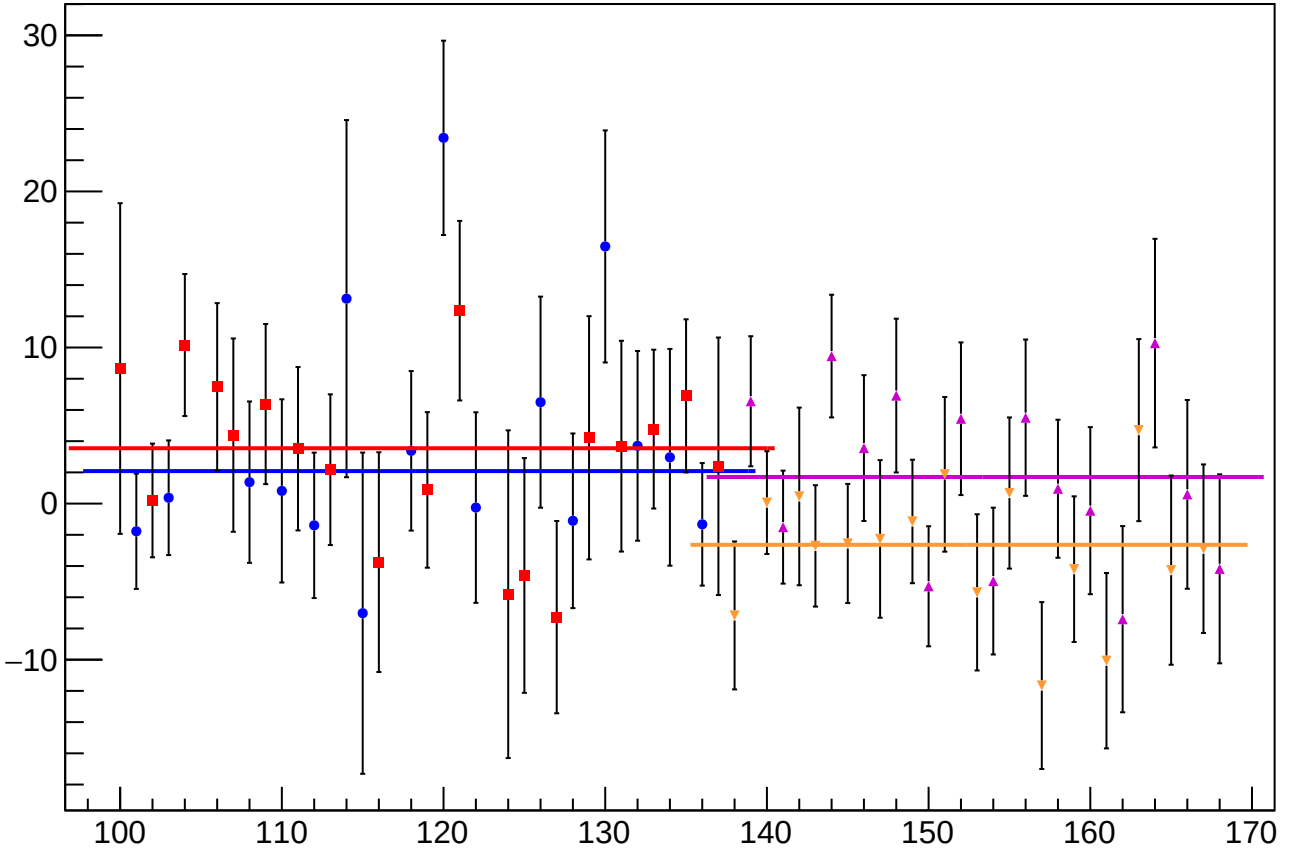
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6269.008+/-1.051 χ^2/NDF:3464726.2/30

Out: 6275.837+/-1.046 χ^2/NDF:3998914.0/34

All: 6272.440+/-0.742 χ^2/NDF: 7463661.4/65

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.640+/-1.168 χ^2/NDF:10.1/15

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 1.705+/-1.220 χ^2/NDF:18.9/14

Left: -0.562+/-0.844 χ^2/NDF: 35.6/30

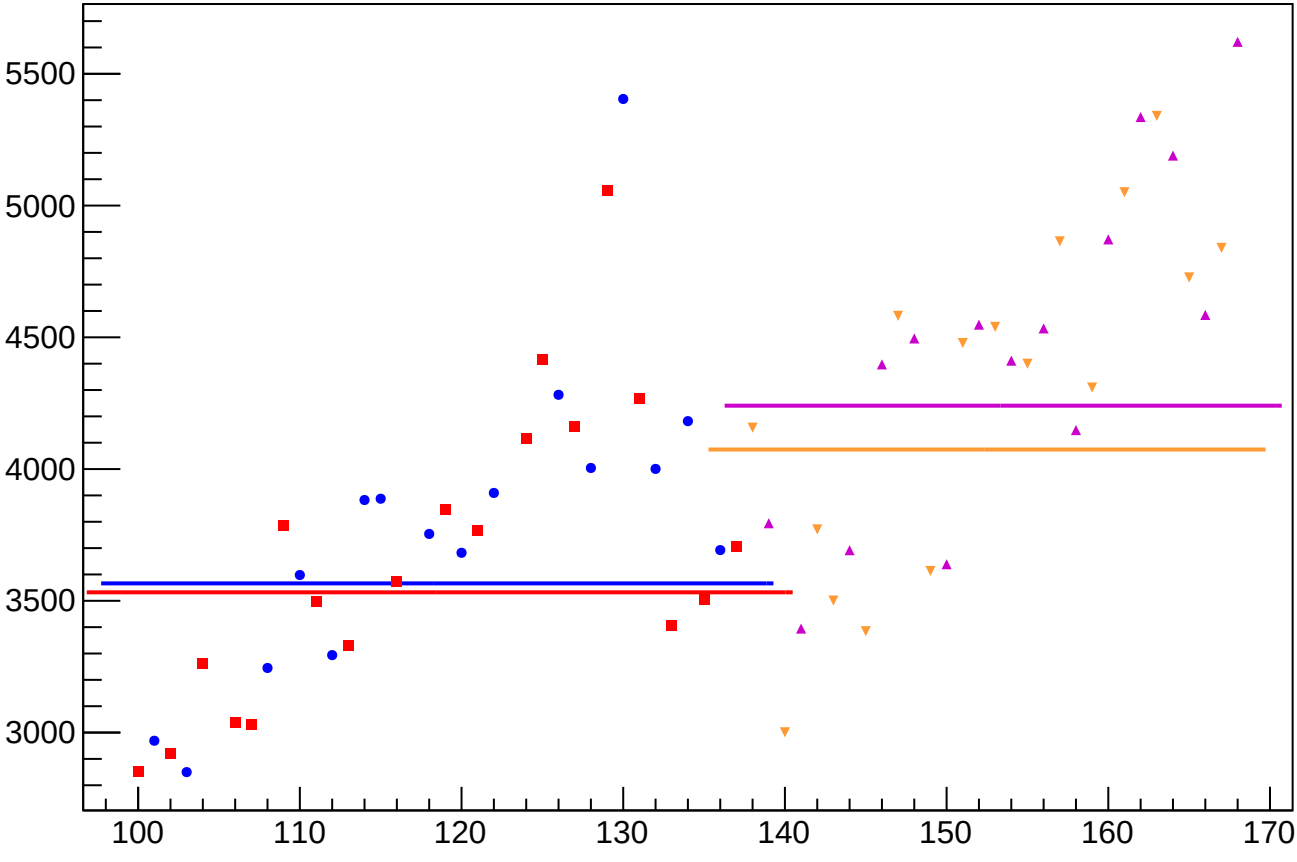
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.875+/-0.904 χ^2/NDF:39.9/30

Out: 0.114+/-0.870 χ^2/NDF:36.0/34

All: 0.961+/-0.627 χ^2/NDF: 77.9/65

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4074.182+/-0.826 χ^2/NDF:681645.4/15

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4240.571+/-0.863 χ^2/NDF:492137.4/14

Left: 4153.755+/-0.597 χ^2/NDF: 1193180.6/30

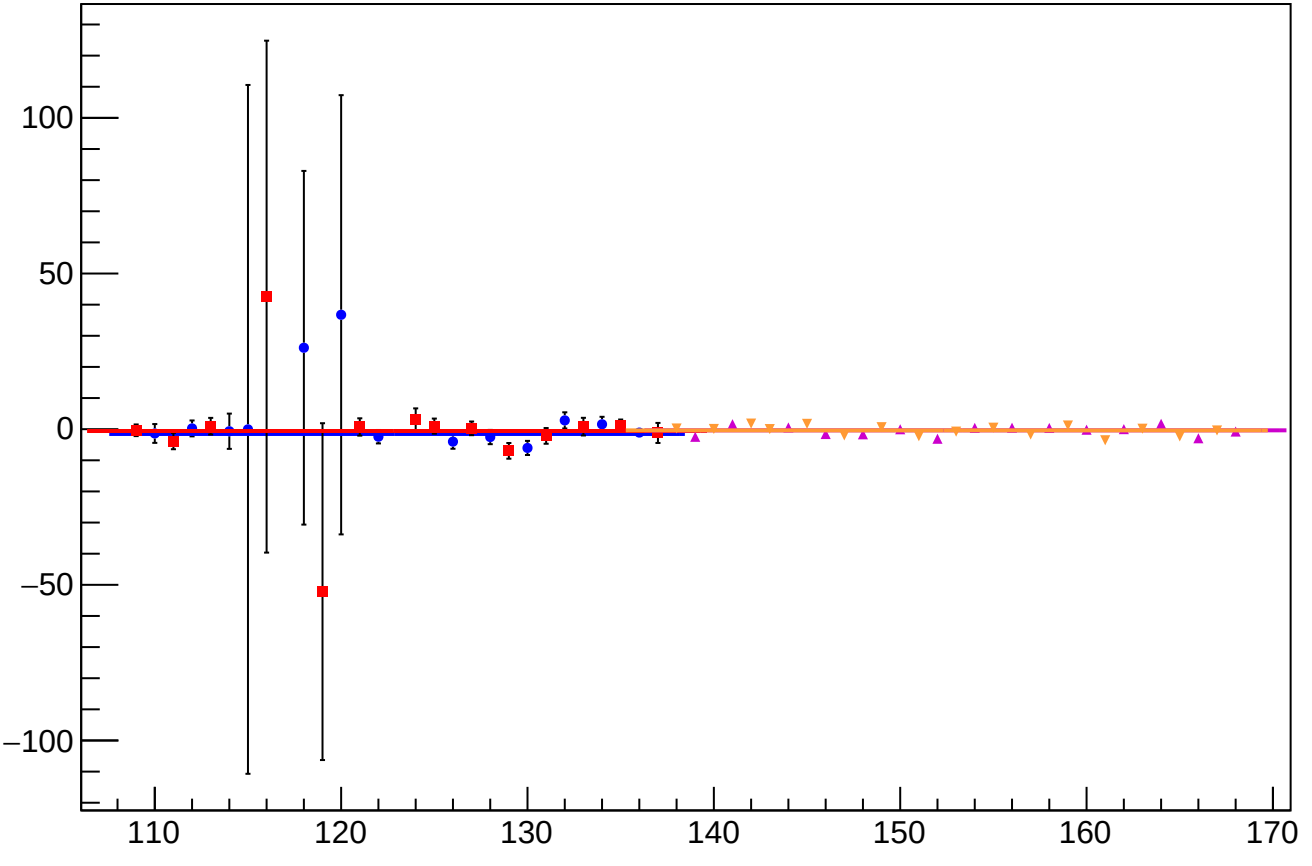
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3936.120+/-0.639 χ^2/NDF:1108971.0/30

Out: 3832.863+/-0.615 χ^2/NDF:1151959.8/34

All: 3882.533+/-0.443 χ^2/NDF: 2274475.8/65

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.385+/-0.288 χ^2/NDF:26.1/15

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.371+/-0.290 χ^2/NDF:24.0/14

Left: -0.378+/-0.204 χ^2/NDF: 50.1/30

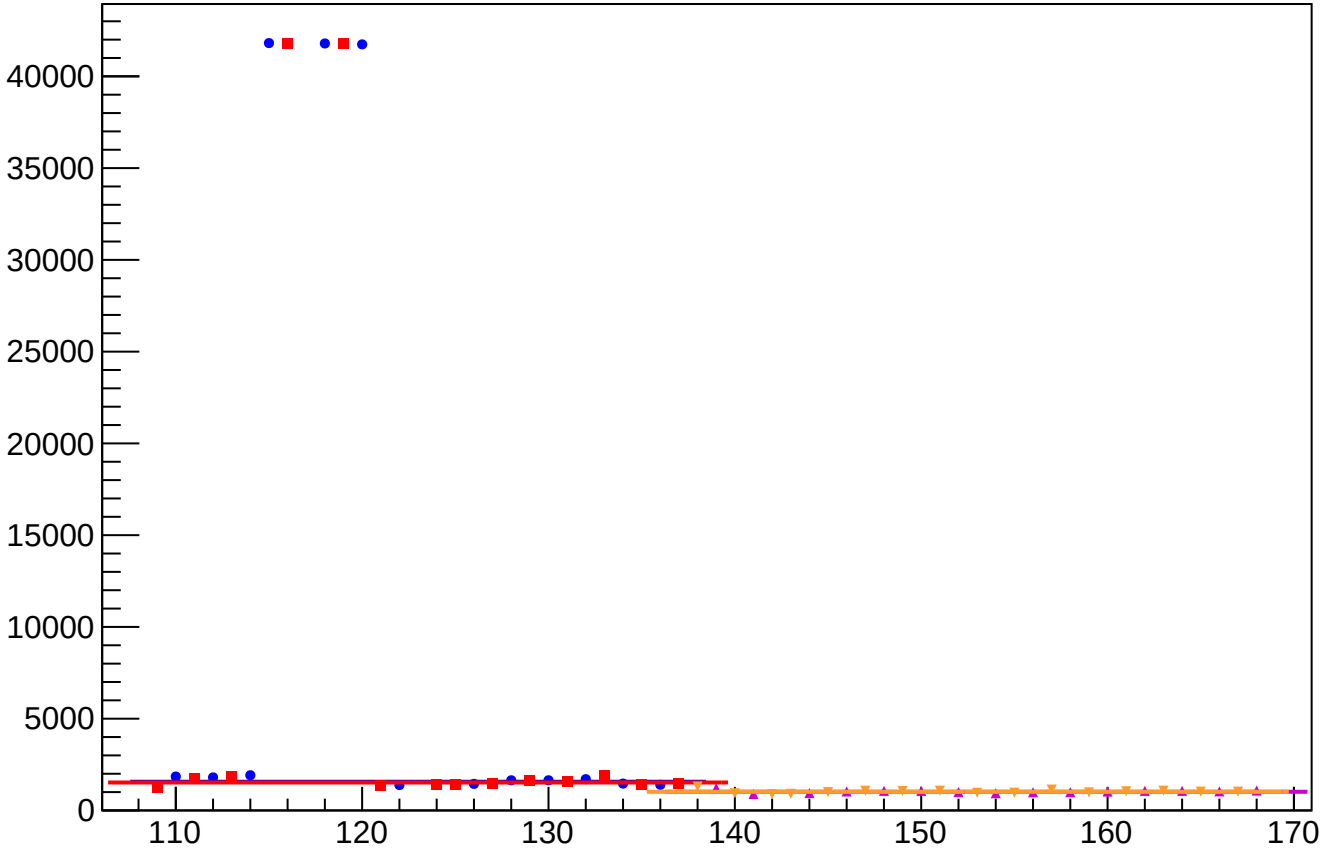
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.529+/-0.270 χ^2/NDF:37.2/27

Out: -0.413+/-0.267 χ^2/NDF:38.8/29

All: -0.470+/-0.190 χ^2/NDF: 76.2/57

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1016.242+/-0.203 χ^2/NDF:177469.1/15

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1018.414+/-0.205 χ^2/NDF:121969.9/14

Left: 1017.318+/-0.144 χ^2/NDF: 299495.4/30

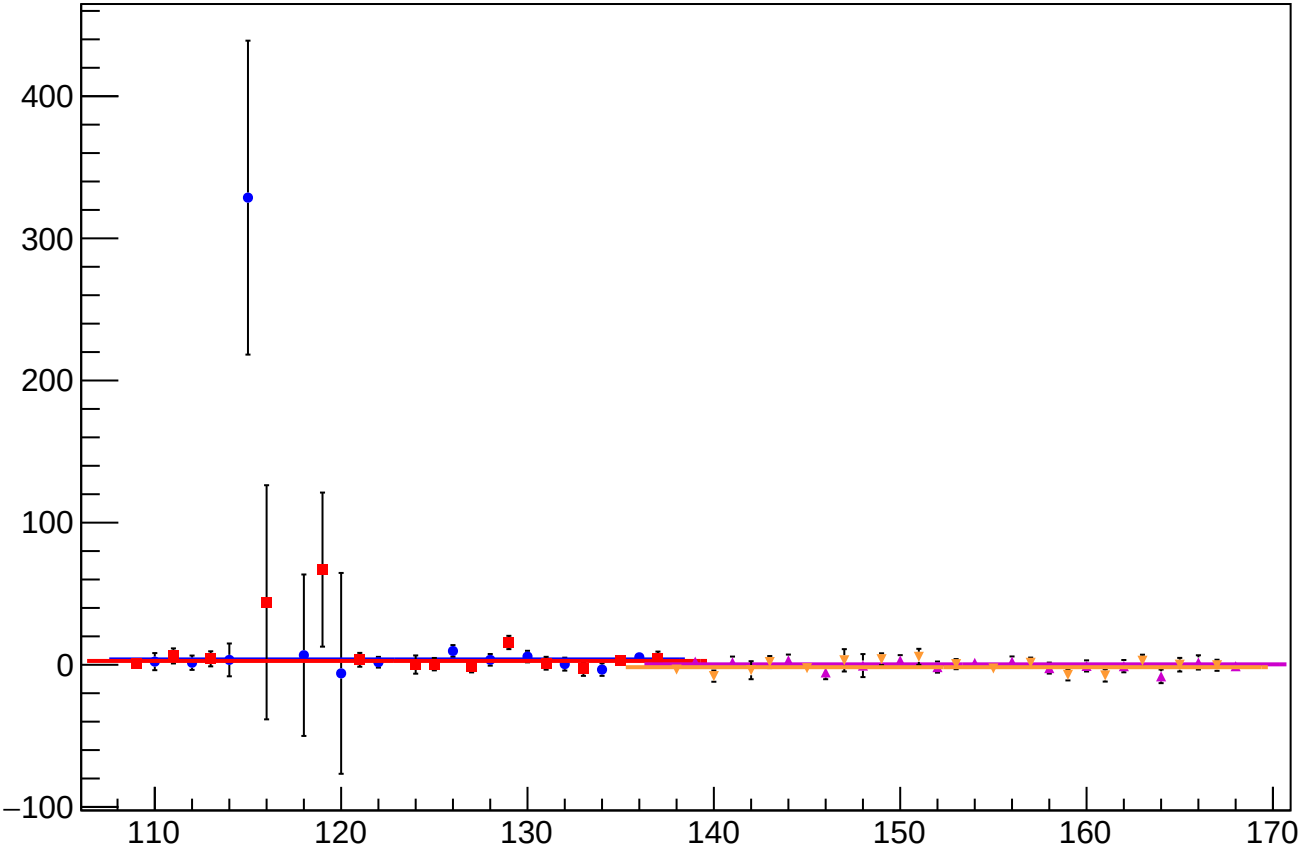
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1092.529+/-0.191 χ^2/NDF:3098376.4/27

Out: 1086.551+/-0.189 χ^2/NDF:2779835.4/29

All: 1089.506+/-0.134 χ^2/NDF: 5878707.6/57

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.683+/-0.963 χ^2/NDF:14.2/15

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.313+/-0.975 χ^2/NDF:8.0/14

Left: -0.698+/-0.685 χ^2/NDF: 24.3/30

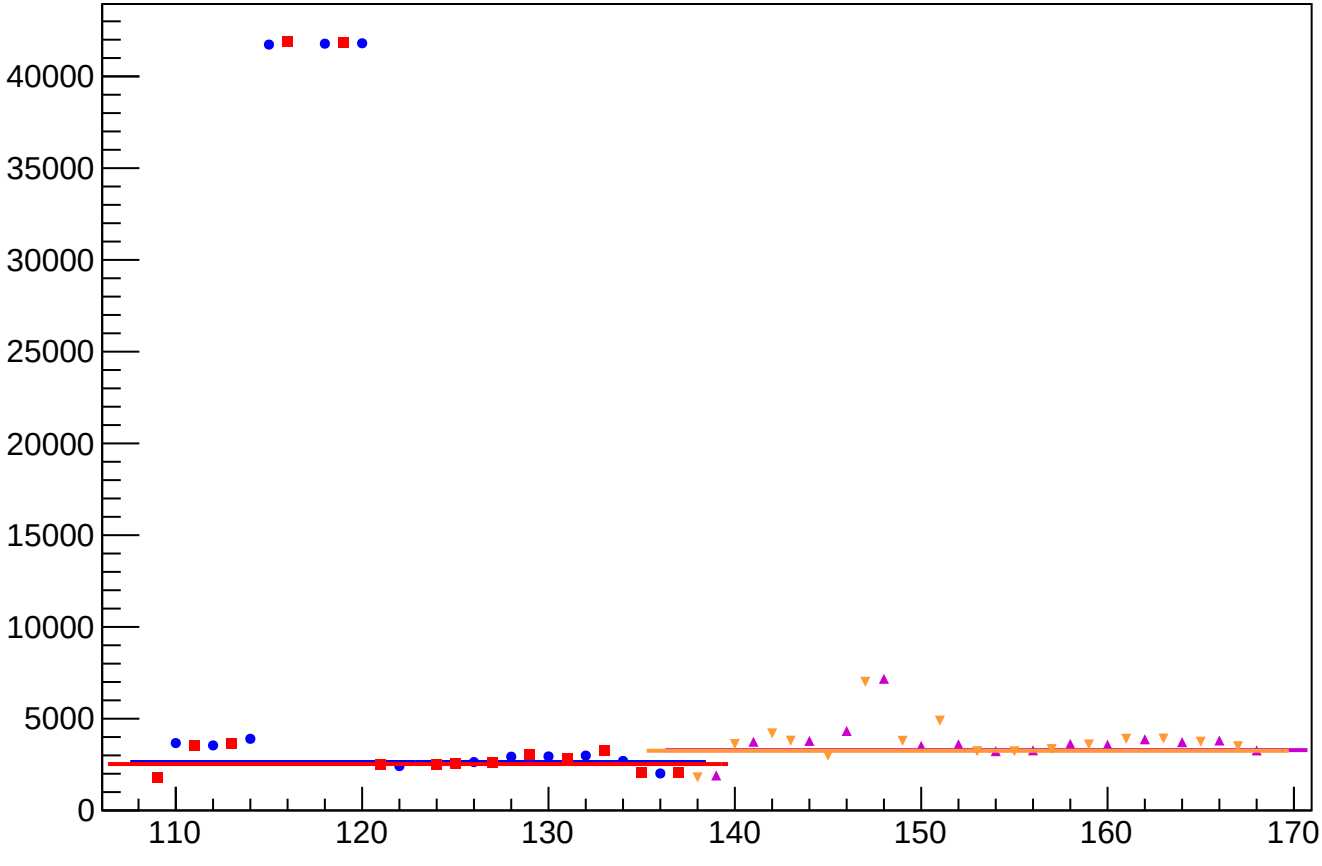
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.626+/-0.769 χ^2/NDF:27.9/27

Out: 0.018+/-0.754 χ^2/NDF:35.8/29

All: 0.806+/-0.538 χ^2/NDF: 66.0/57

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3253.678+/-0.681 χ^2/NDF:1866727.6/15

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3288.135+/-0.690 χ^2/NDF:1590163.7/14

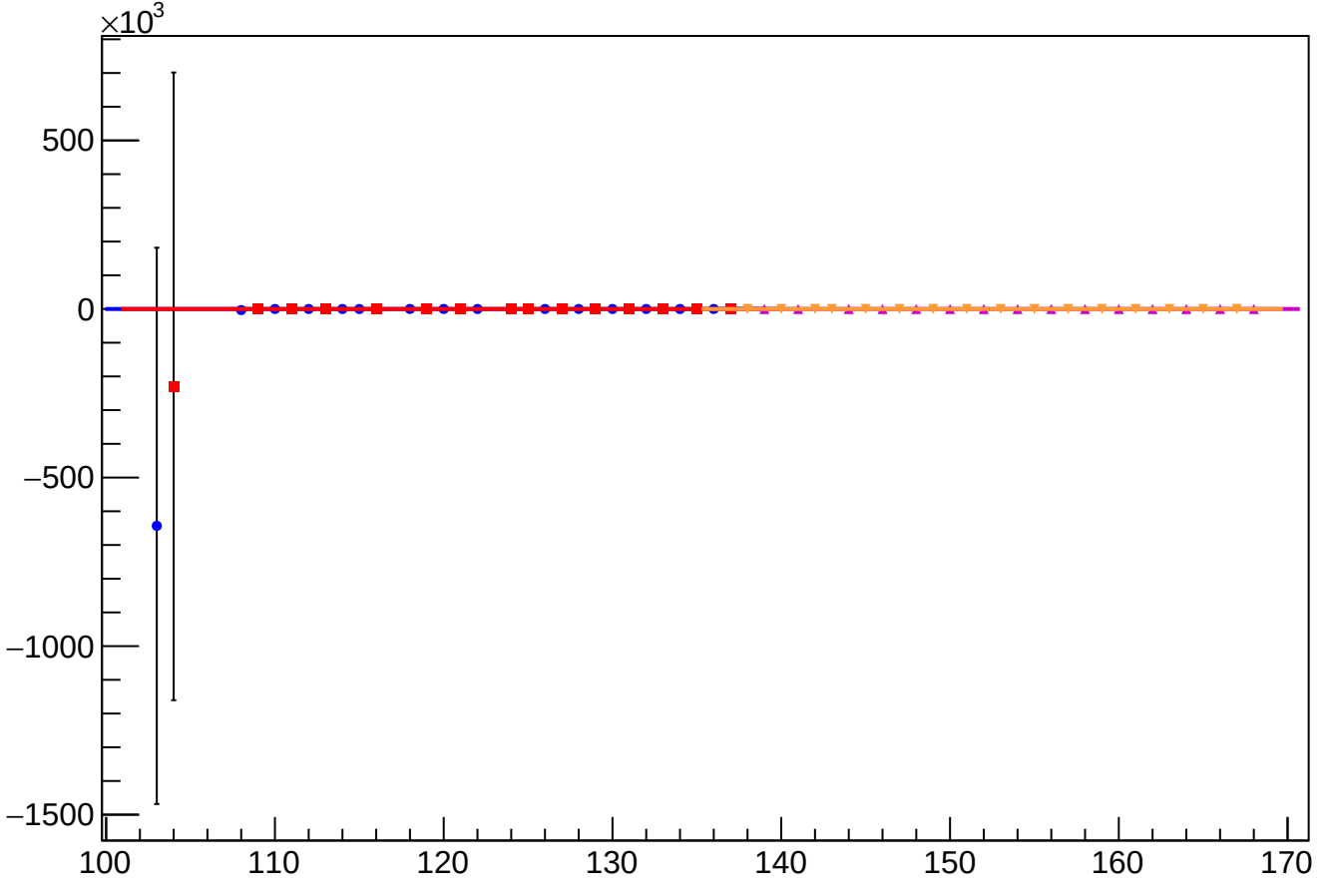
Left: 3270.683+/-0.485 χ^2/NDF: 3458155.4/30

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3042.411+/-0.543 χ^2/NDF:4098374.8/27

Out: 2972.991+/-0.533 χ^2/NDF:4255475.9/29

All: 3007.019+/-0.381 χ^2/NDF: 8362168.8/57



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.302+/-0.448 χ^2/NDF:28.3/15

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: -0.187+/-0.455 χ^2/NDF:17.1/14

Left: -1.260+/-0.319 χ^2/NDF: 56.5/30

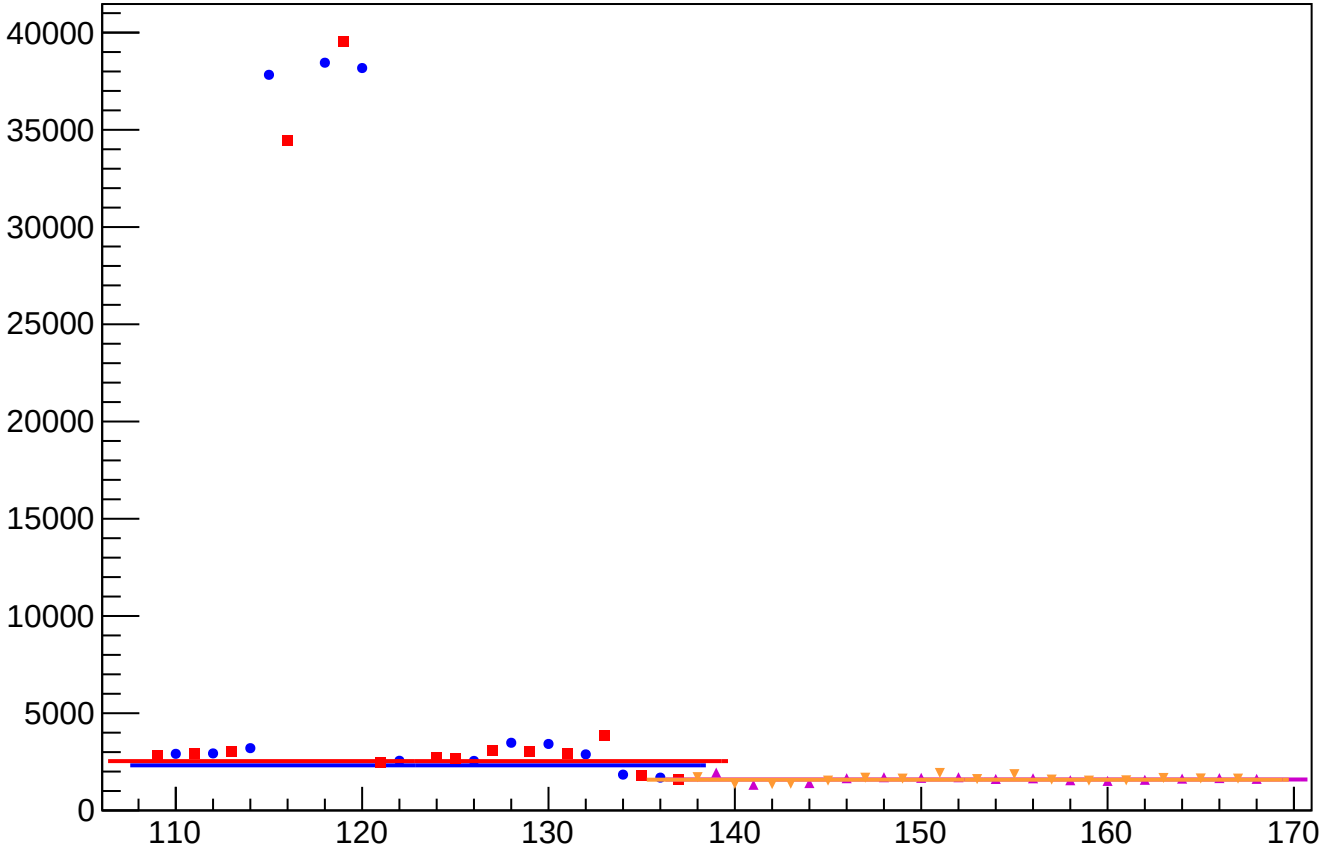
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.331+/-0.422 χ^2/NDF:36.6/29

Out: -1.703+/-0.420 χ^2/NDF:57.6/30

All: -1.019+/-0.298 χ^2/NDF: 99.5/60

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1581.999+/-0.317 χ^2/NDF:227367.9/15

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1592.310+/-0.322 χ^2/NDF:195114.3/14

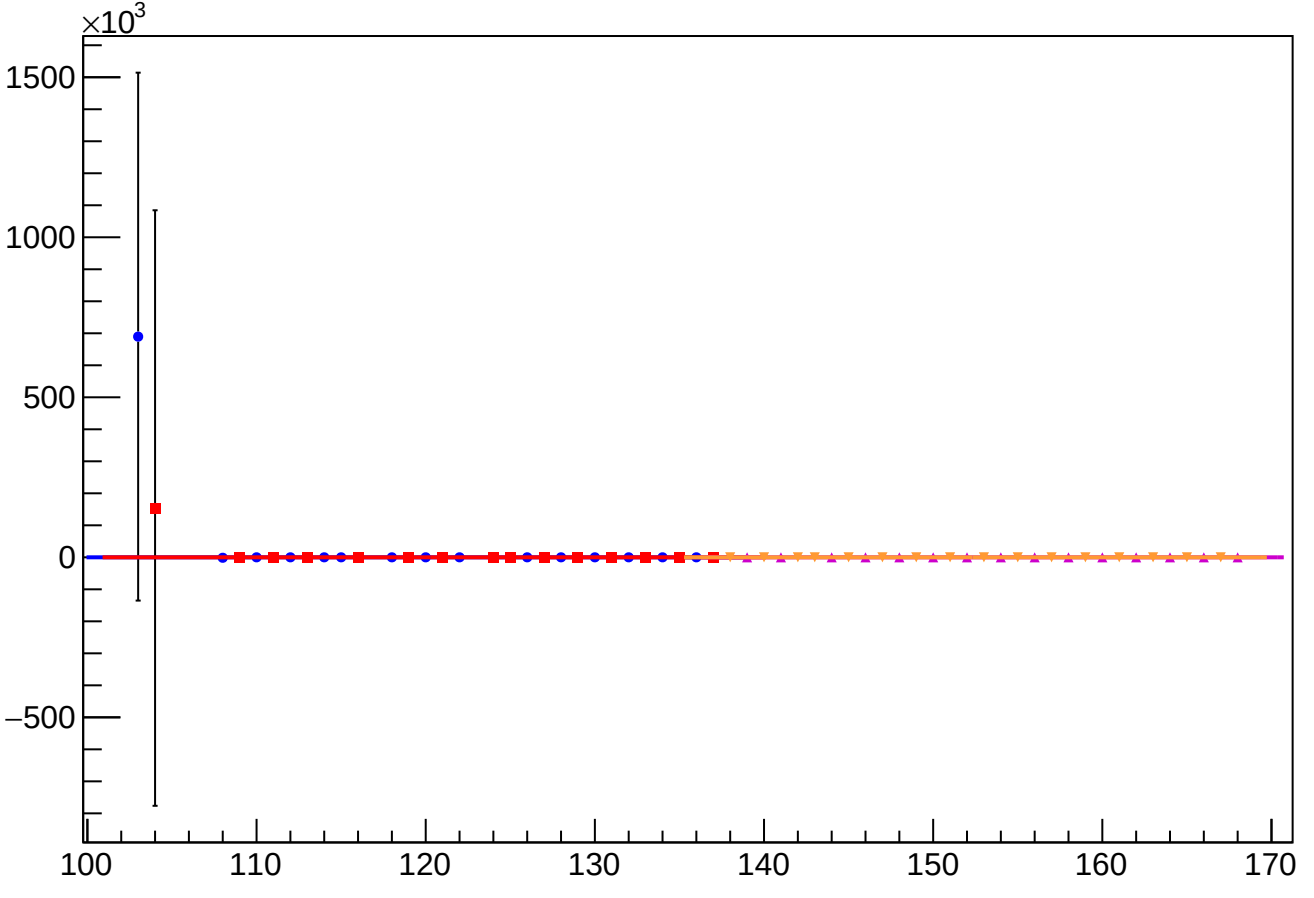
Left: 1587.079+/-0.226 χ^2/NDF: 423003.6/30

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1694.584+/-0.298 χ^2/NDF:3376348.0/27

Out: 1697.122+/-0.297 χ^2/NDF:3360650.9/29

All: 1695.857+/-0.211 χ^2/NDF: 6737035.2/57



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.777+/-0.620 χ^2/NDF:17.8/15

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.192+/-0.601 χ^2/NDF:9.4/14

Left: -0.475+/-0.431 χ^2/NDF: 27.6/30

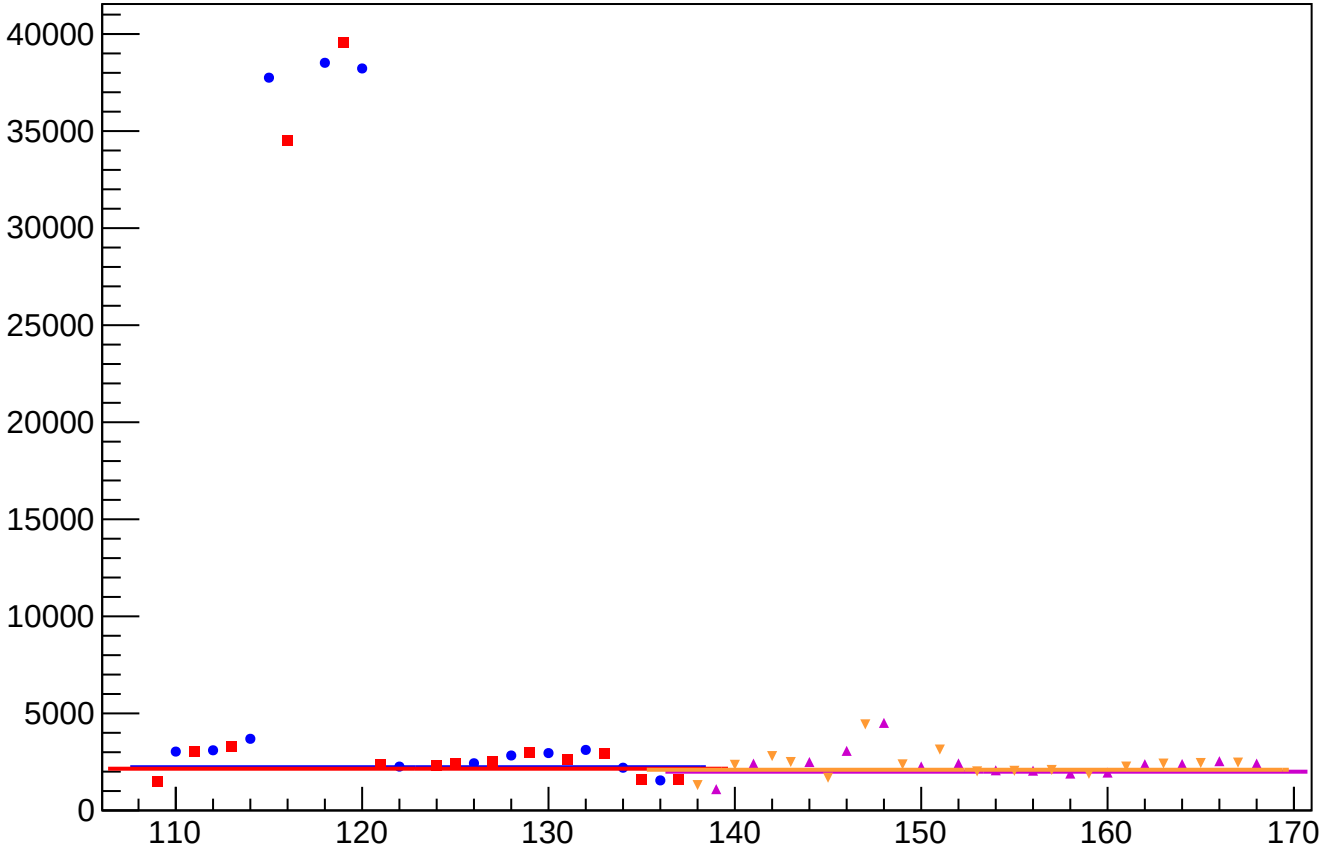
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.260+/-0.525 χ^2/NDF:16.8/29

Out: -0.089+/-0.534 χ^2/NDF:37.9/30

All: 0.088+/-0.374 χ^2/NDF: 54.8/60

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2096.741+/-0.438 χ^2/NDF:1440310.0/15

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1997.035+/-0.425 χ^2/NDF:2209549.5/14

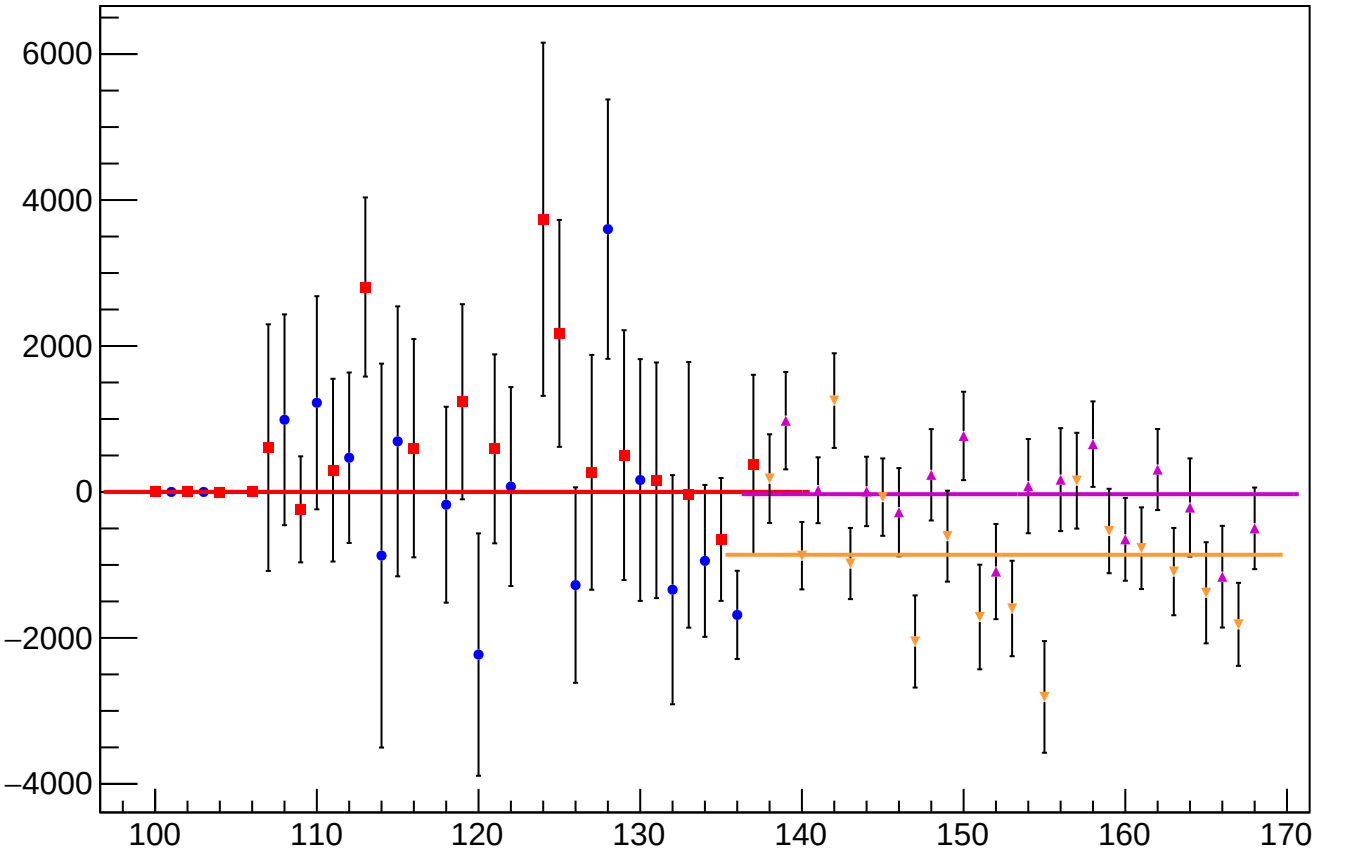
Left: 2045.355+/-0.305 χ^2/NDF: 3676548.6/30

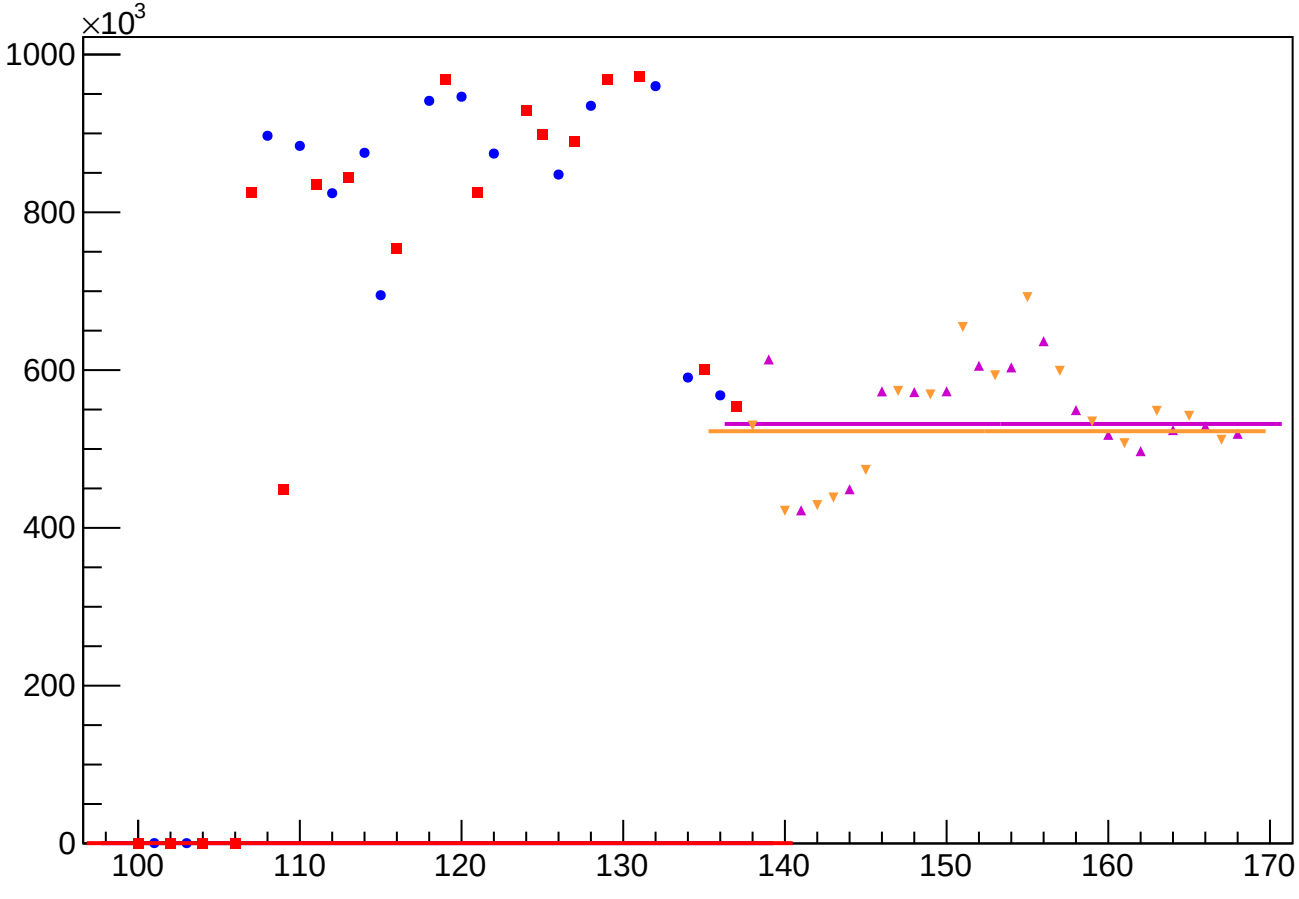
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2051.656+/-0.371 χ^2/NDF:4801403.1/27

Out: 2110.680+/-0.377 χ^2/NDF:3675560.5/29

All: 2080.655+/-0.265 χ^2/NDF: 8489400.0/57


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -860.551+/-148.932 χ²/NDF:35.0/15
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: -30.697+/-152.345 χ²/NDF:13.5/14
Left: -455.023+/-106.497 χ²/NDF: 63.6/30
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.255+/-0.356 χ²/NDF:31.3/30
Out: -0.100+/-0.328 χ²/NDF:83.8/34
All: 0.063+/-0.241 χ²/NDF: 115.6/65



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522545.124+/-105.311 χ^2/NDF:463820.9/15

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 531737.114+/-107.724 χ^2/NDF:341965.9/14

Left: 527037.014+/-75.305 χ^2/NDF: 809509.8/30

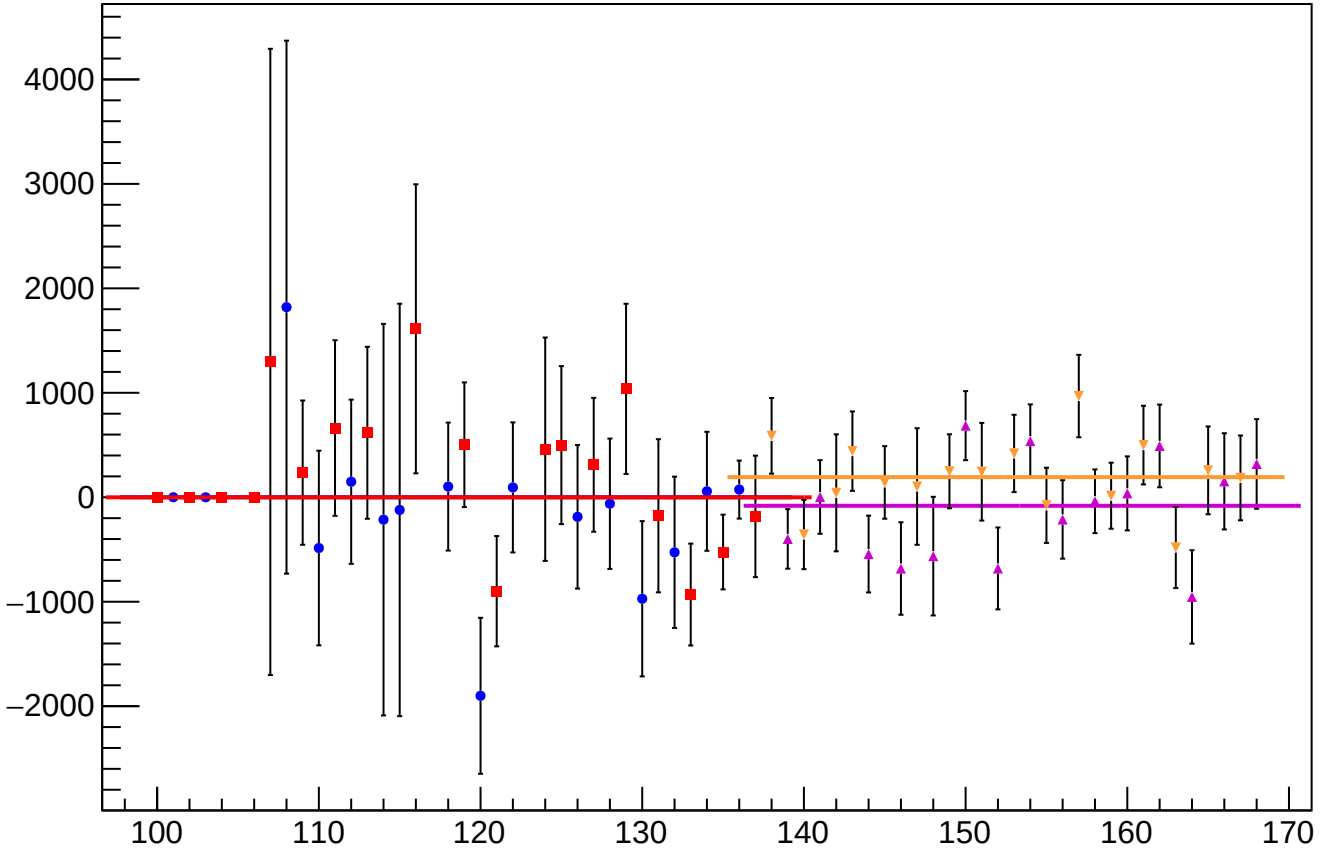
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.777+/-0.251 χ^2/NDF:33162275.7/29

Out: 395.769+/-0.232 χ^2/NDF:32695954.4/33

All: 398.528+/-0.170 χ^2/NDF: 65858538.7/63

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 192.942+/-96.343 χ^2/NDF:13.3/15

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -81.537+/-96.640 χ^2/NDF:23.6/14

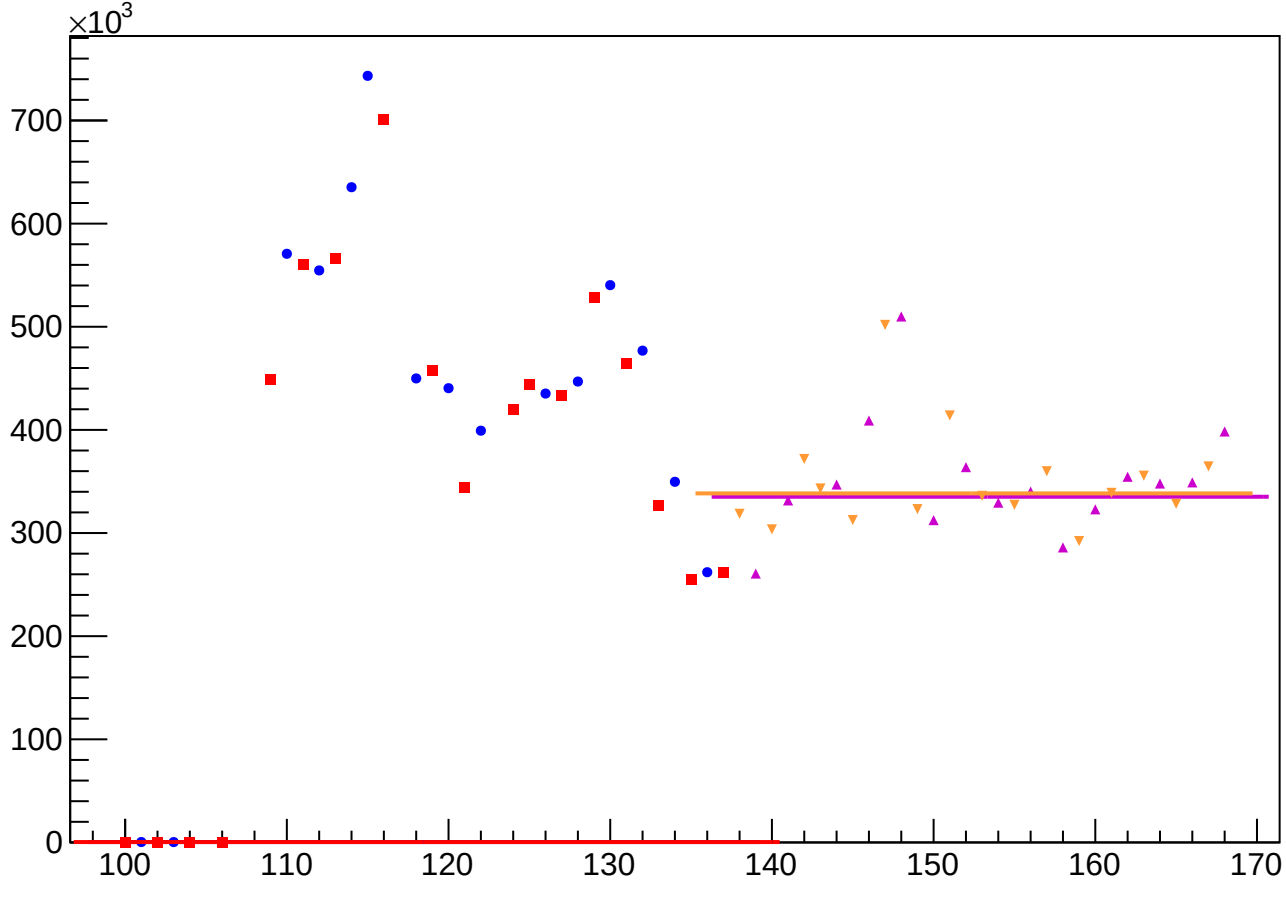
Left: 56.125+/-68.229 χ^2/NDF: 41.0/30

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:34.7/30

Out: -0.597+/-0.324 χ^2/NDF:32.4/34

All: -0.329+/-0.237 χ^2/NDF: 68.6/65



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 338422.382+/-68.125 χ^2/NDF:337860.8/15

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335191.068+/-68.340 χ^2/NDF:510931.7/14

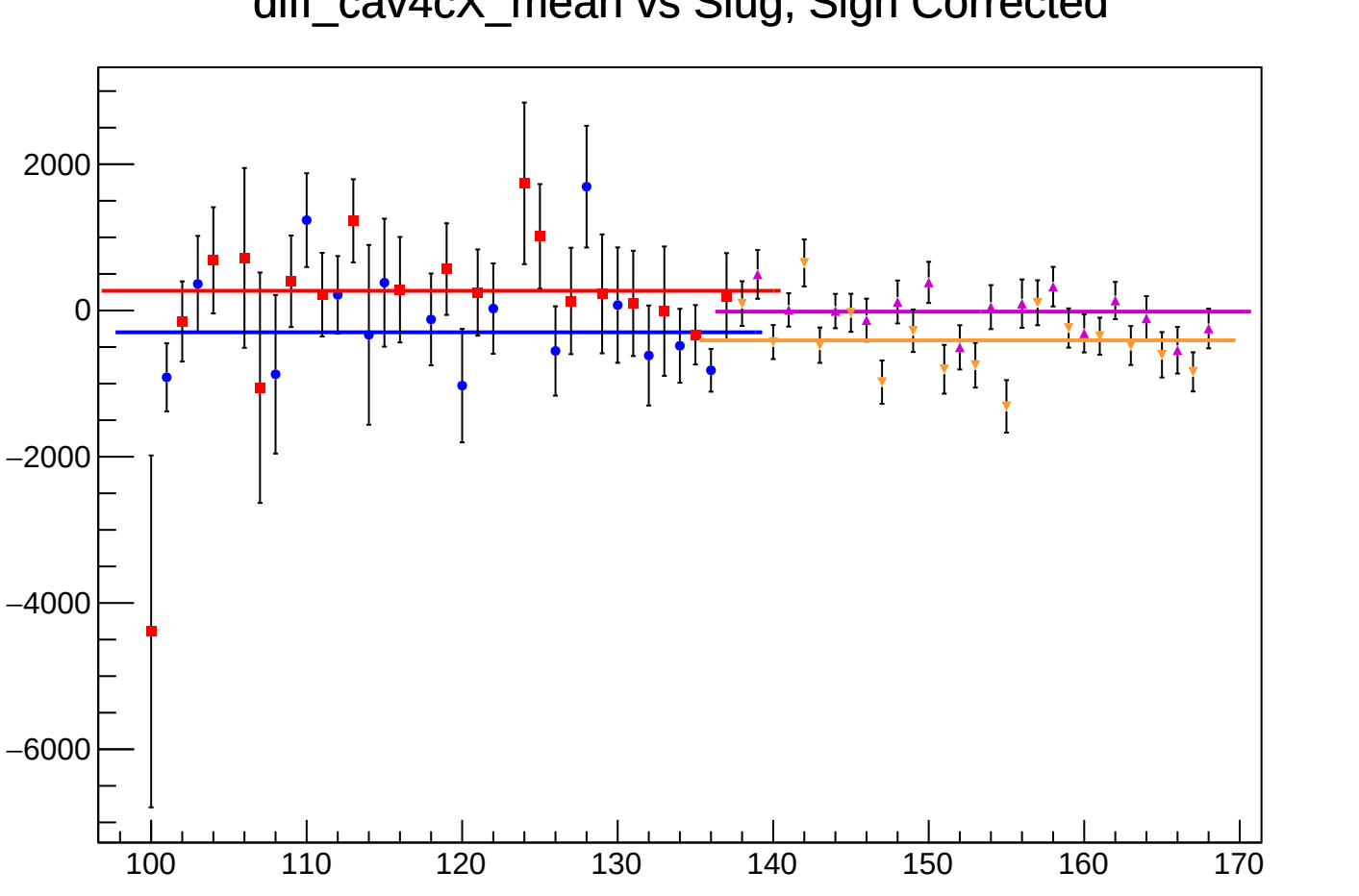
Left: 336811.813+/-48.247 χ^2/NDF: 849913.9/30

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 394.594+/-0.245 χ^2/NDF:35643776.3/29

Out: 391.803+/-0.229 χ^2/NDF:36033253.1/33

All: 393.102+/-0.167 χ^2/NDF: 71677098.6/63



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -407.531+/-70.737 χ^2/NDF:34.9/15

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -15.346+/-72.275 χ^2/NDF:14.3/14

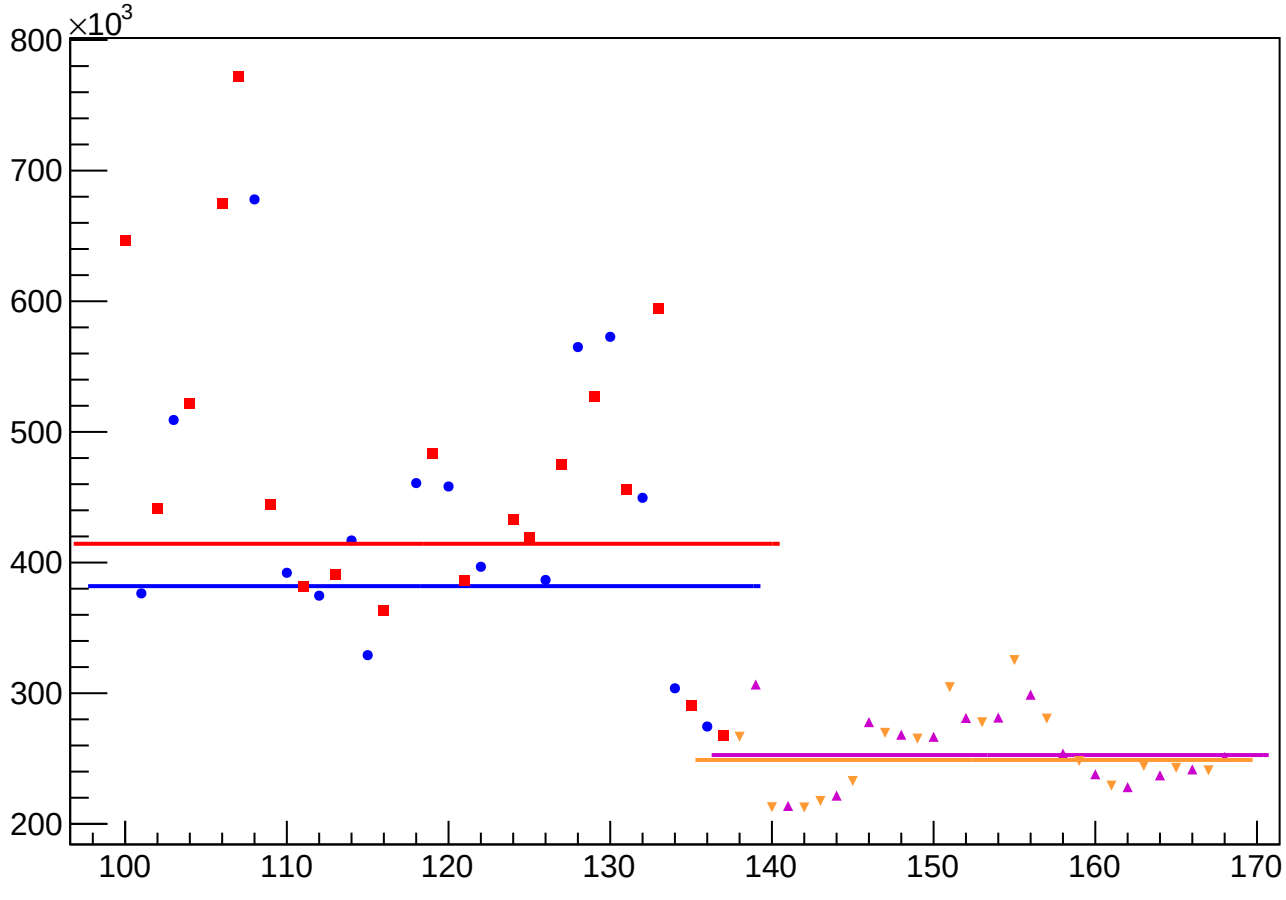
Left: -215.657+/-50.554 χ^2/NDF: 64.3/30

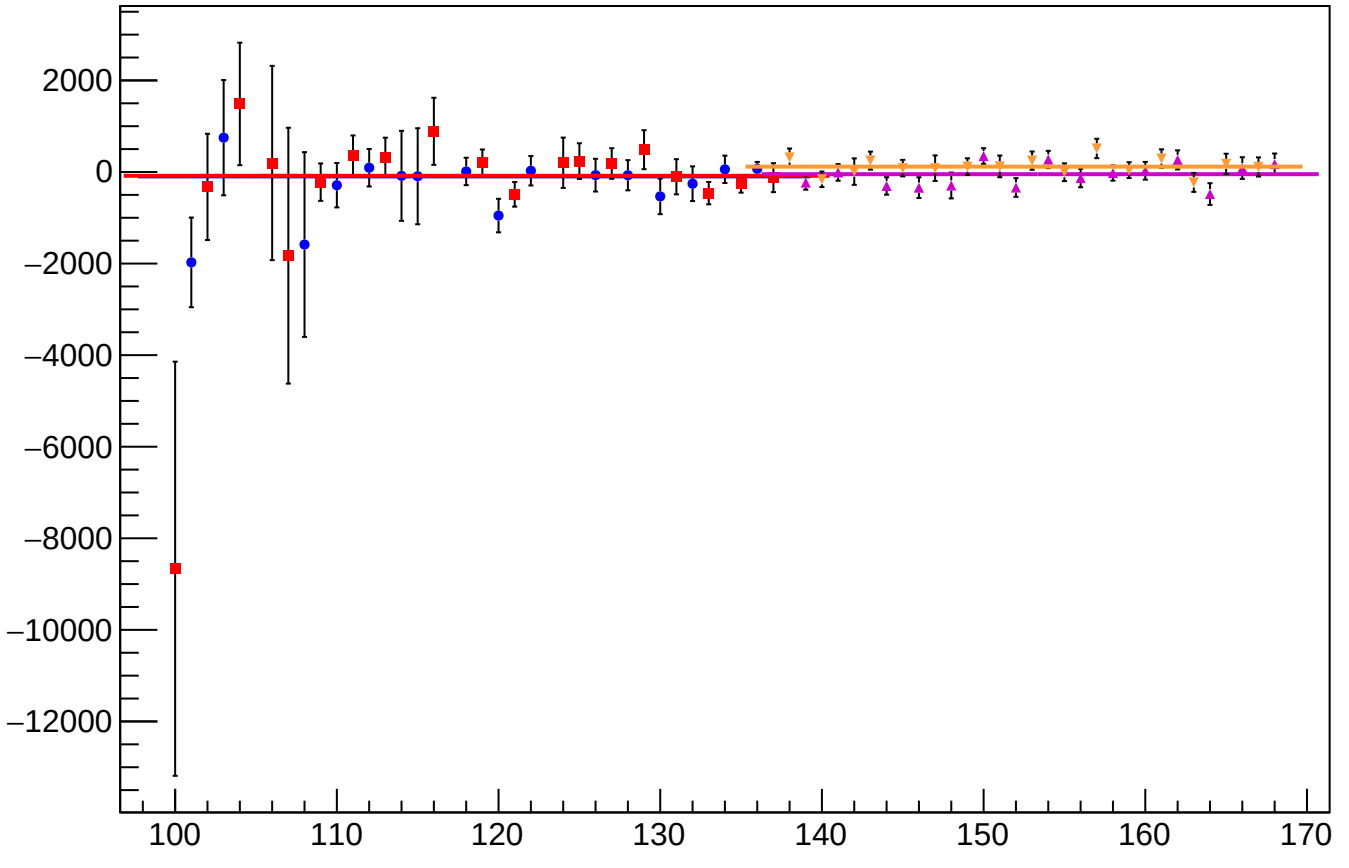
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -70.202+/-64.891 χ^2/NDF:38.4/30

Out: -292.882+/-64.464 χ^2/NDF:64.3/34

All: -182.278+/-45.733 χ^2/NDF: 108.7/65


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 248921.238+/-50.018 χ²/NDF:338462.9/15
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 252678.015+/-51.106 χ²/NDF:278490.2/14
Left: 250759.219+/-35.747 χ²/NDF: 619713.0/30
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 277737.996+/-45.886 χ²/NDF:2355363.4/30
Out: 276953.055+/-45.585 χ²/NDF:2952401.2/34
All: 277342.937+/-32.339 χ²/NDF: 5307911.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 116.904+/-50.733 χ^2/NDF:12.5/15

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -47.895+/-51.174 χ^2/NDF:23.1/14

Left: 35.217+/-36.028 χ^2/NDF: 40.8/30

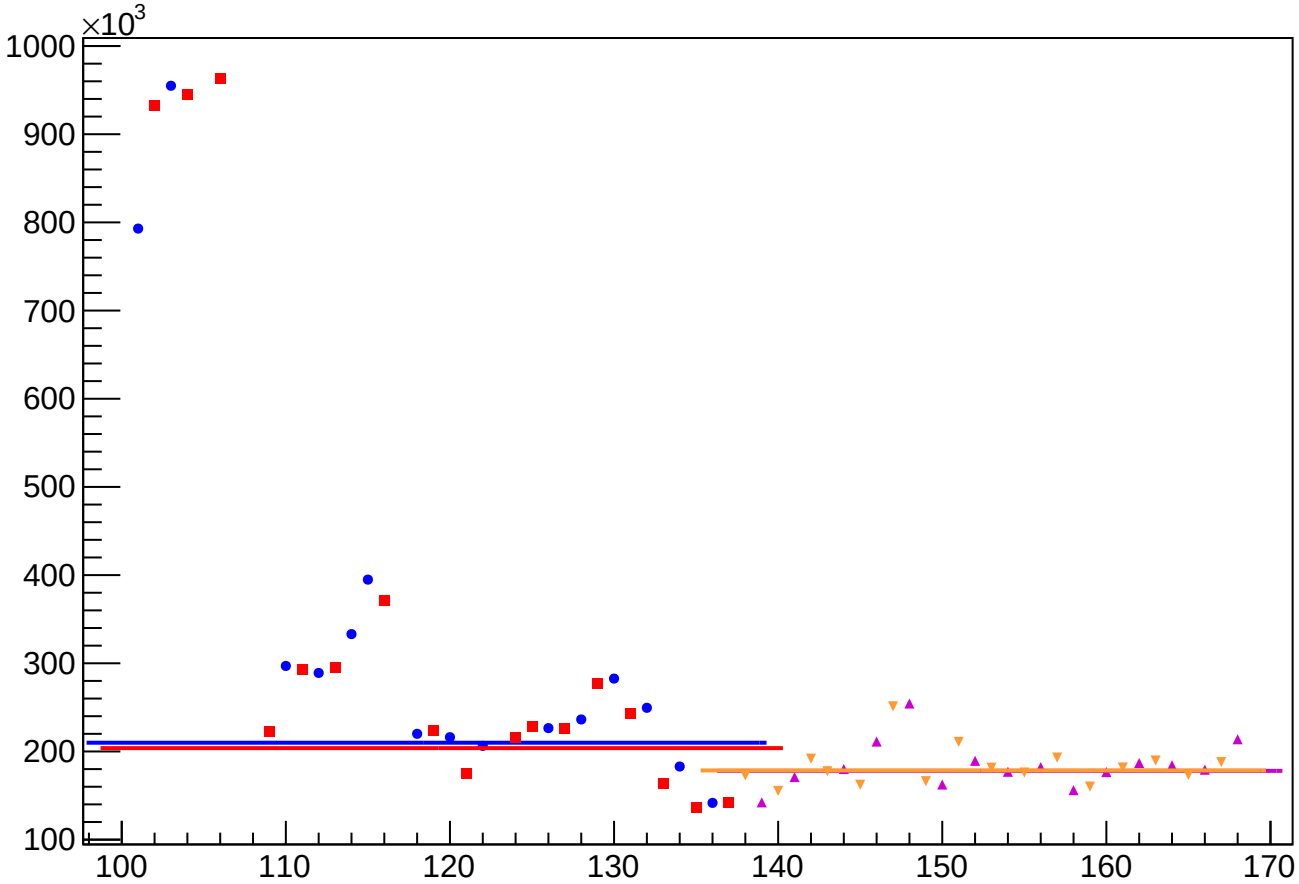
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -59.959+/-44.271 χ^2/NDF:37.0/30

Out: 66.513+/-43.866 χ^2/NDF:35.5/34

All: 3.859+/-31.160 χ^2/NDF: 76.6/65

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178499.953+/-35.874 χ^2/NDF:286149.2/15

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177999.753+/-36.185 χ^2/NDF:408995.7/14

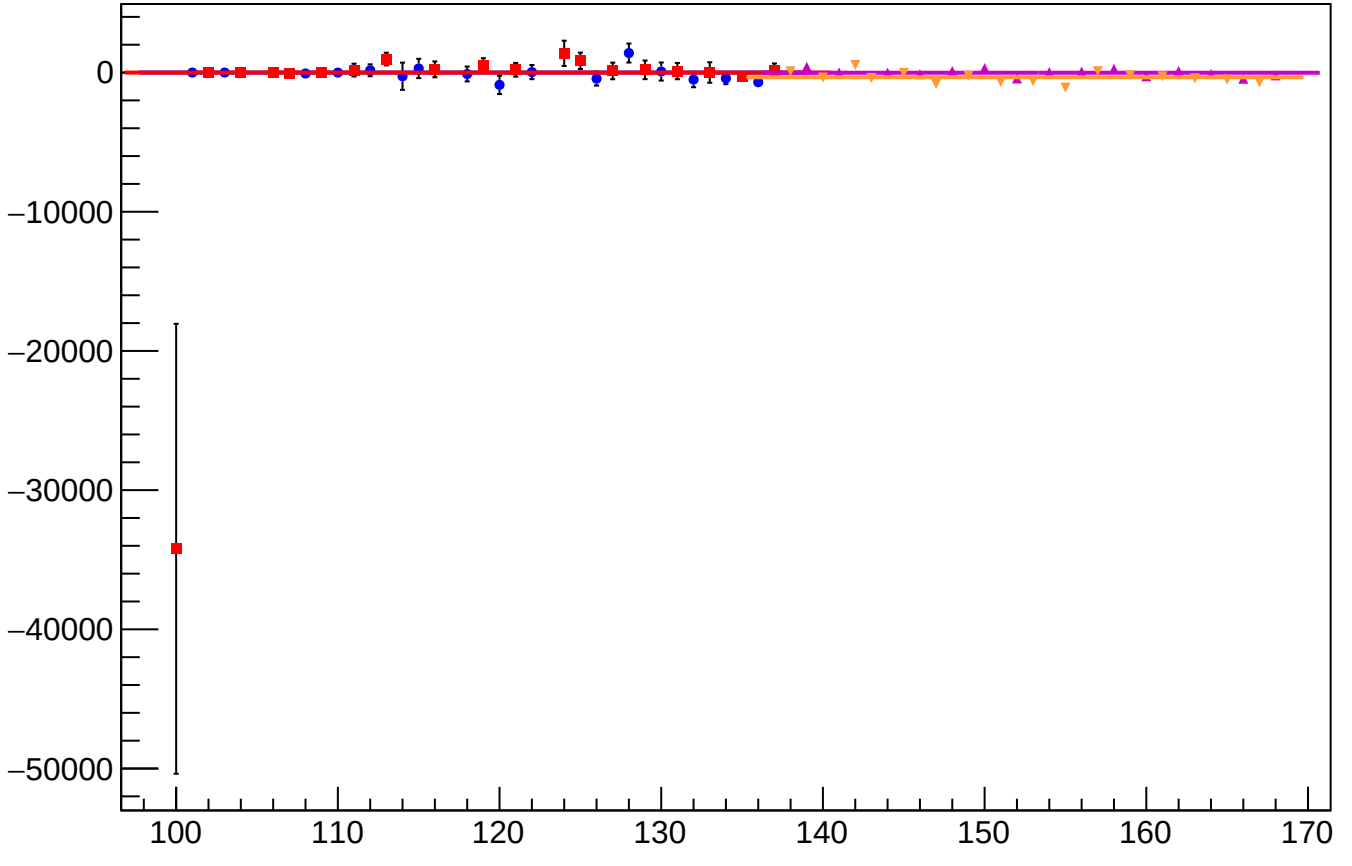
Left: 178252.016+/-25.476 χ^2/NDF: 695241.3/30

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 186011.178+/-31.318 χ^2/NDF:2564255.2/29

Out: 184860.118+/-31.037 χ^2/NDF:2481632.2/32

All: 185430.462+/-22.045 χ^2/NDF: 5046568.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -337.280+/-59.265 χ^2/NDF:35.1/15

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -12.329+/-60.596 χ^2/NDF:14.1/14

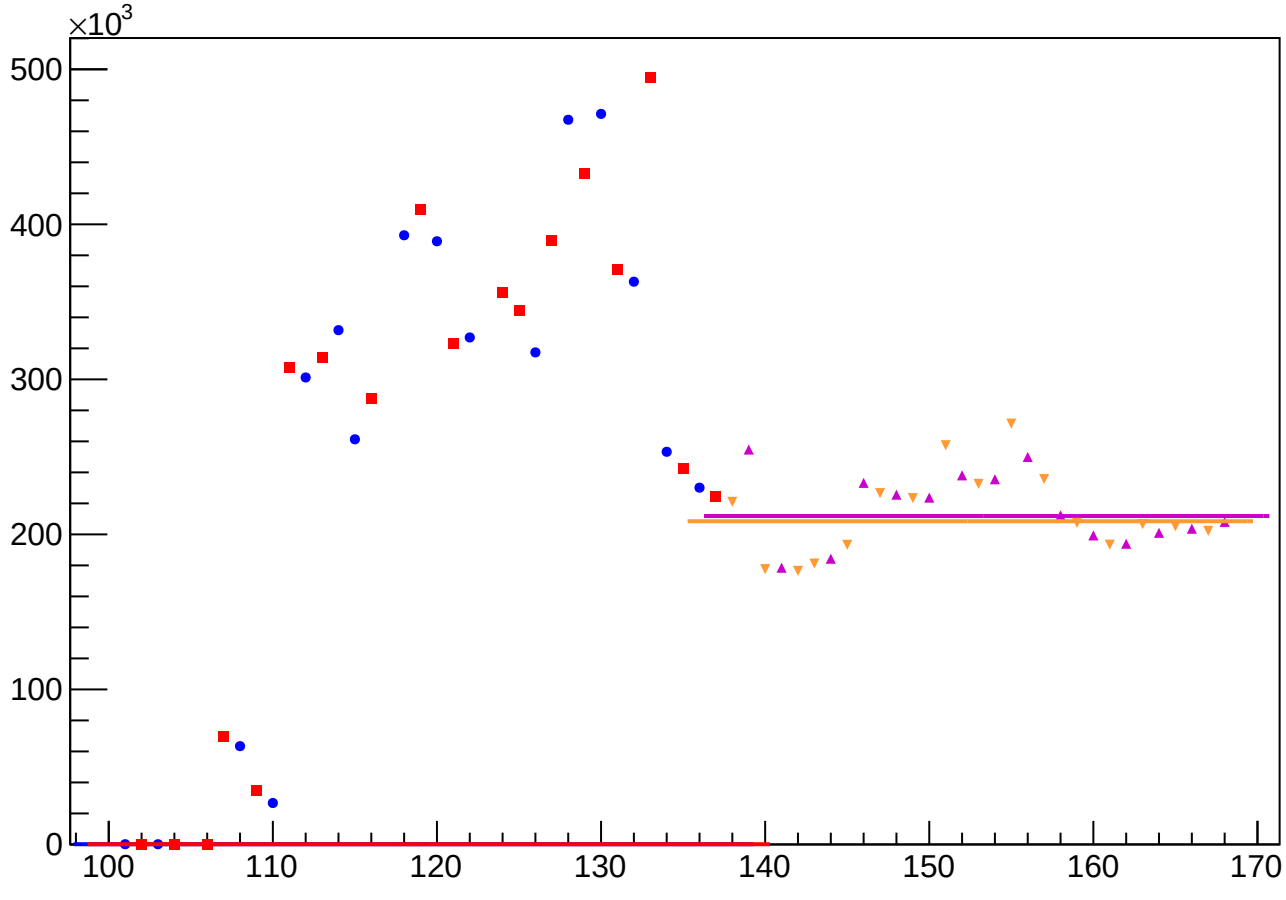
Left: -178.411+/-42.369 χ^2/NDF: 63.9/30

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:32.3/30

Out: 0.353+/-0.160 χ^2/NDF:84.0/34

All: 0.173+/-0.117 χ^2/NDF: 119.0/65



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208494.547+/-41.907 χ^2/NDF:349361.2/15

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 211846.429+/-42.848 χ^2/NDF:278089.9/14

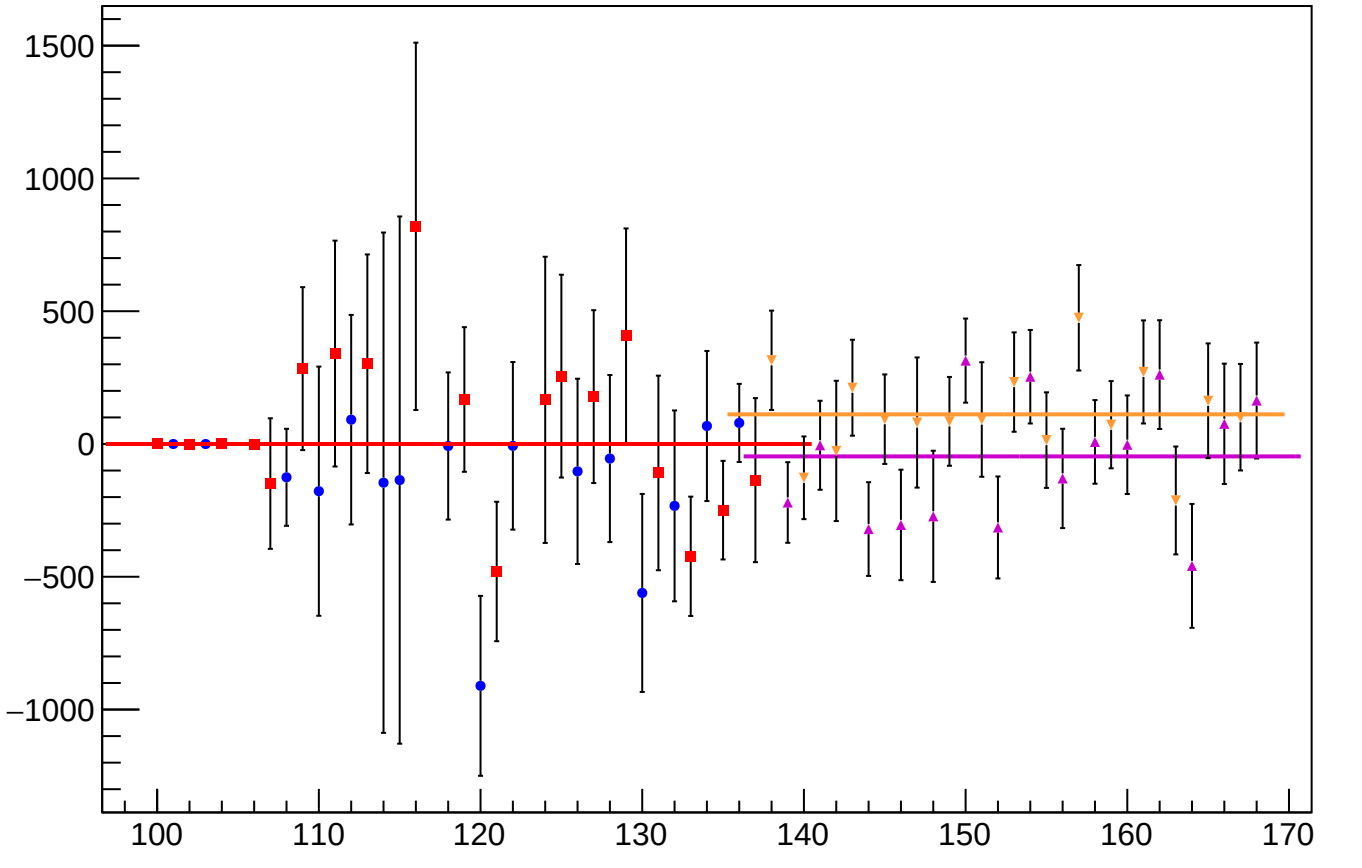
Left: 210133.281+/-29.960 χ^2/NDF: 630578.9/30

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.803+/-0.122 χ^2/NDF:35990250.8/30

Out: 150.900+/-0.113 χ^2/NDF:36354989.0/33

All: 150.855+/-0.083 χ^2/NDF: 72345240.1/64



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 111.624+/-47.514 χ^2/NDF:11.6/15

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -46.747+/-48.192 χ^2/NDF:23.2/14

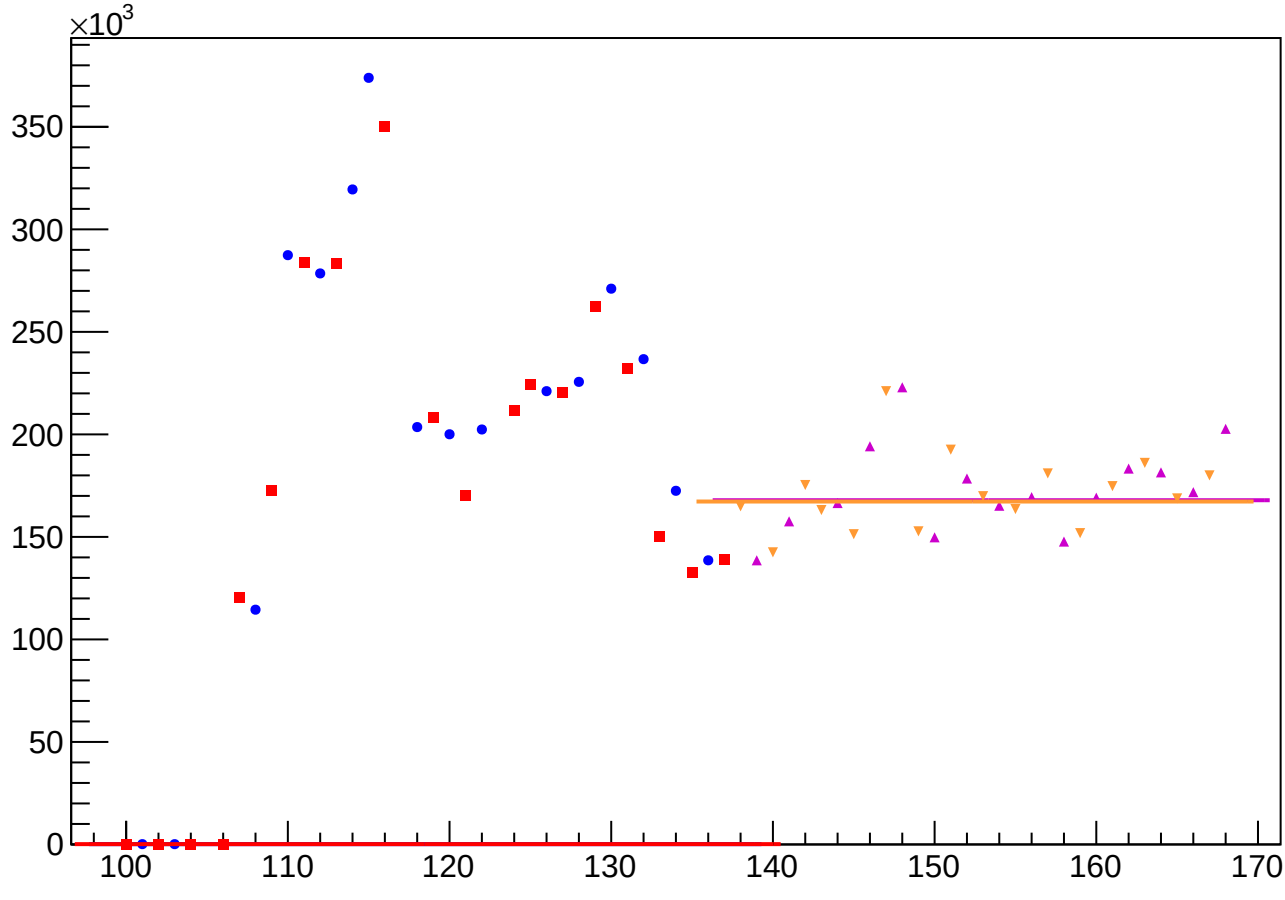
Left: 33.561+/-33.835 χ^2/NDF: 40.2/30

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:35.3/30

Out: -0.125+/-0.166 χ^2/NDF:32.4/34

All: -0.098+/-0.121 χ^2/NDF: 67.7/65



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 167257.954+/-33.598 χ^2/NDF:267594.2/15

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167890.339+/-34.077 χ^2/NDF:349000.5/14

Left: 167569.665+/-23.925 χ^2/NDF: 616769.3/30

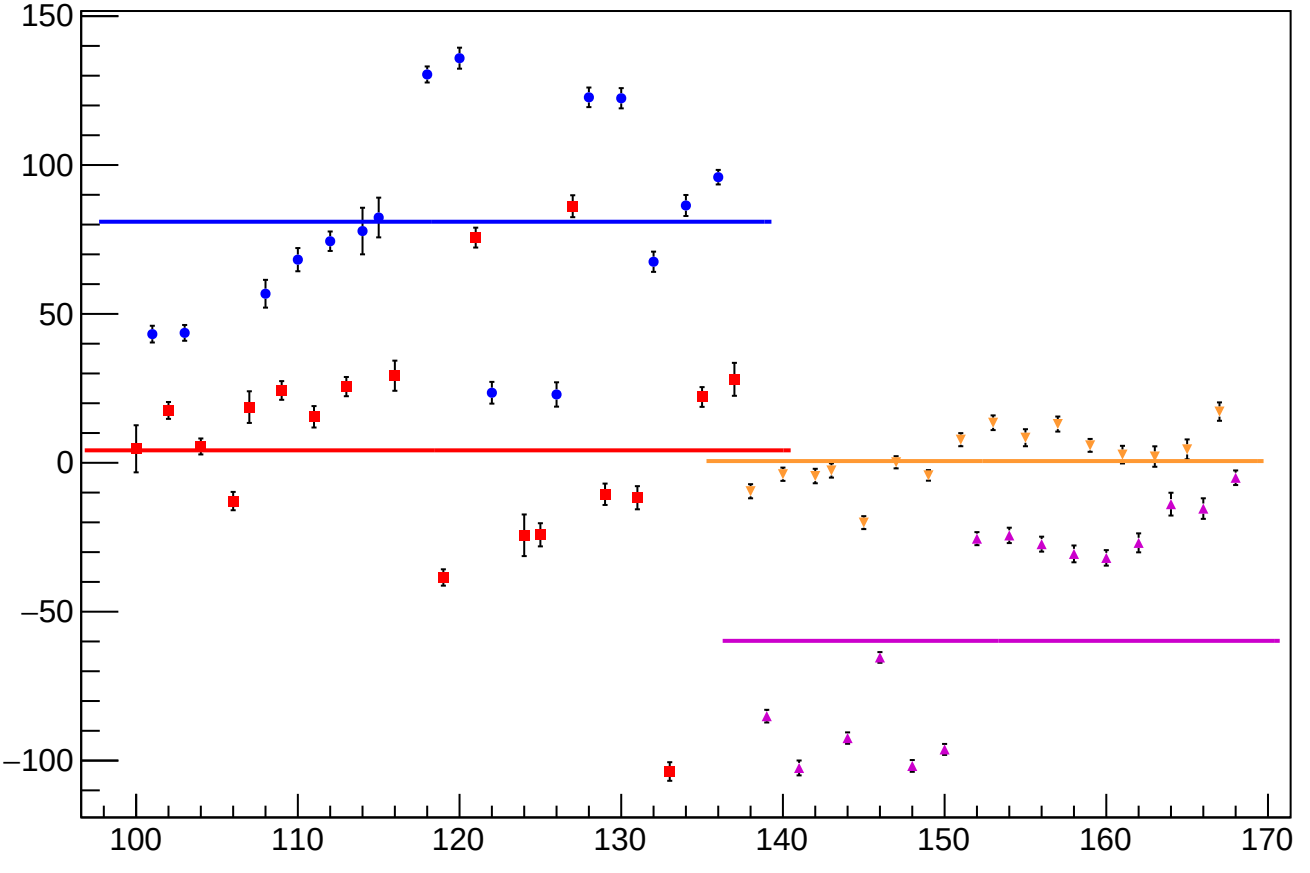
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.729+/-0.125 χ^2/NDF:36482212.1/30

Out: 158.209+/-0.118 χ^2/NDF:36335034.6/34

All: 157.046+/-0.086 χ^2/NDF: 72817454.8/65

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 0.581+/-0.604 χ^2/NDF:232.8/15

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -59.791+/-0.606 χ^2/NDF:3310.1/14

Left: -29.475+/-0.428 χ^2/NDF: 8521.7/30

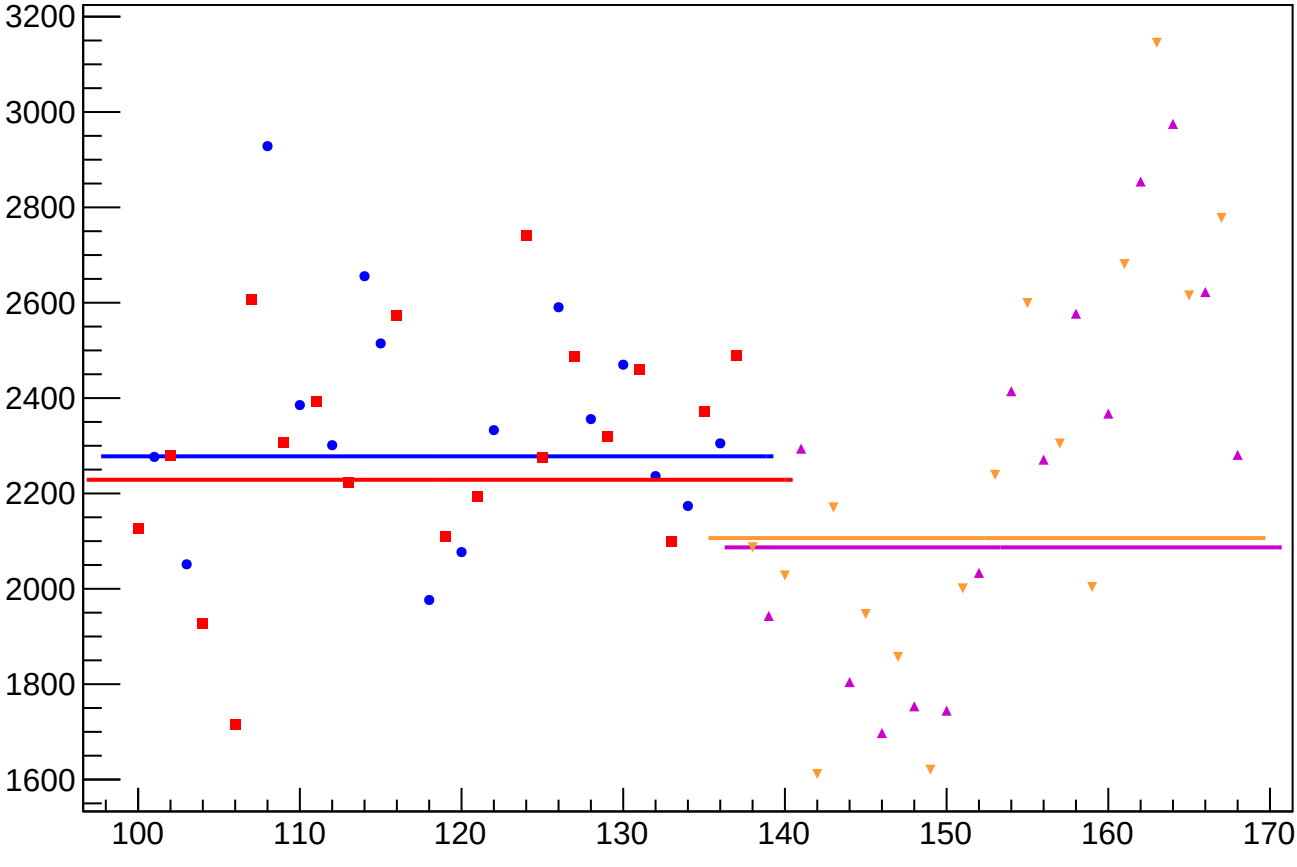
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.436+/-0.494 χ^2/NDF:23255.0/30

Out: 1.847+/-0.486 χ^2/NDF:2965.0/34

All: -5.182+/-0.346 χ^2/NDF: 26644.7/65

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2106.445+/-0.427 χ^2/NDF:762131.6/15

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2086.925+/-0.429 χ^2/NDF:698323.0/14

Left: 2096.727+/-0.302 χ^2/NDF: 1461495.7/30

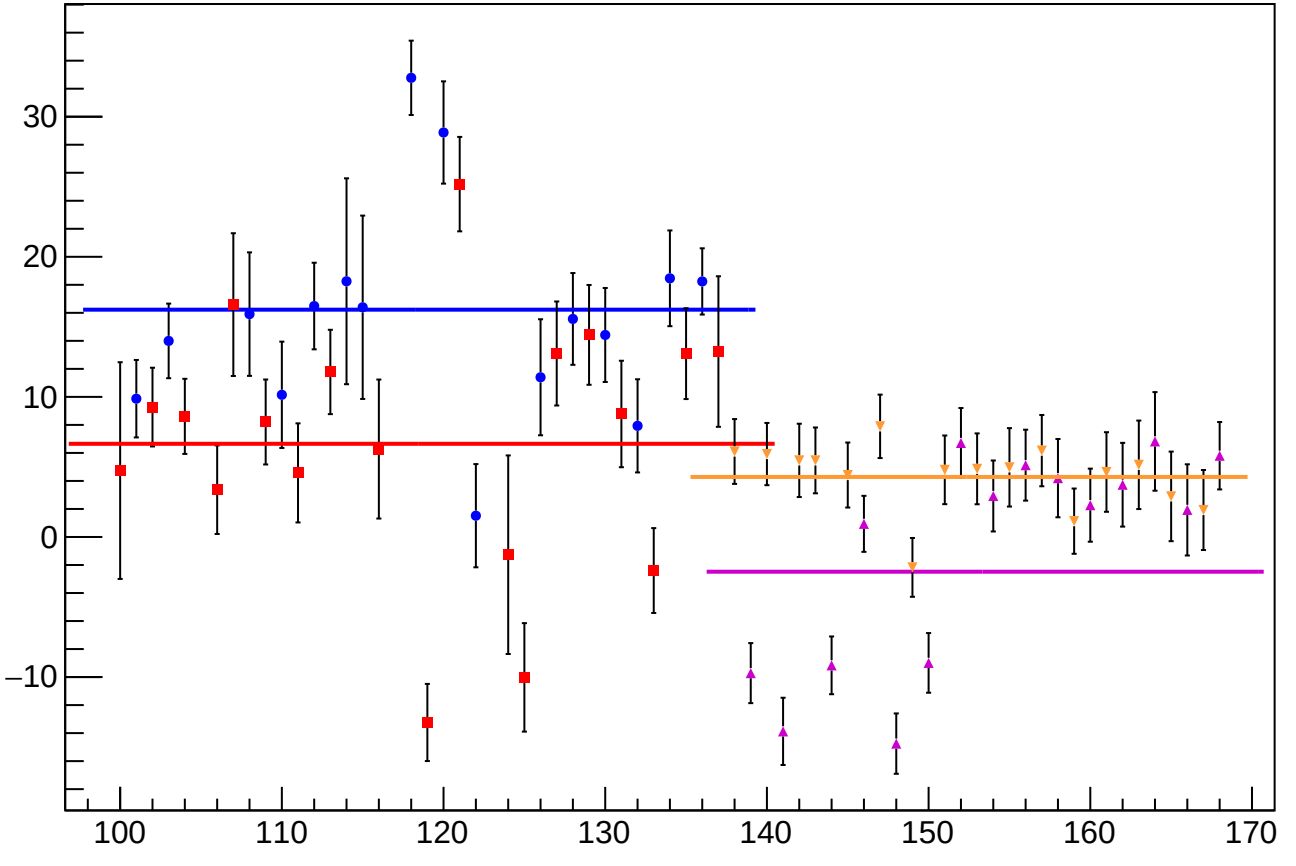
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2151.168+/-0.349 χ^2/NDF:880834.0/30

Out: 2149.406+/-0.344 χ^2/NDF:942087.7/34

All: 2150.273+/-0.245 χ^2/NDF: 1822934.6/65

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.285+/-0.625 χ^2/NDF:17.1/15

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -2.479+/-0.630 χ^2/NDF:150.4/14

Left: 0.928+/-0.444 χ^2/NDF: 225.6/30

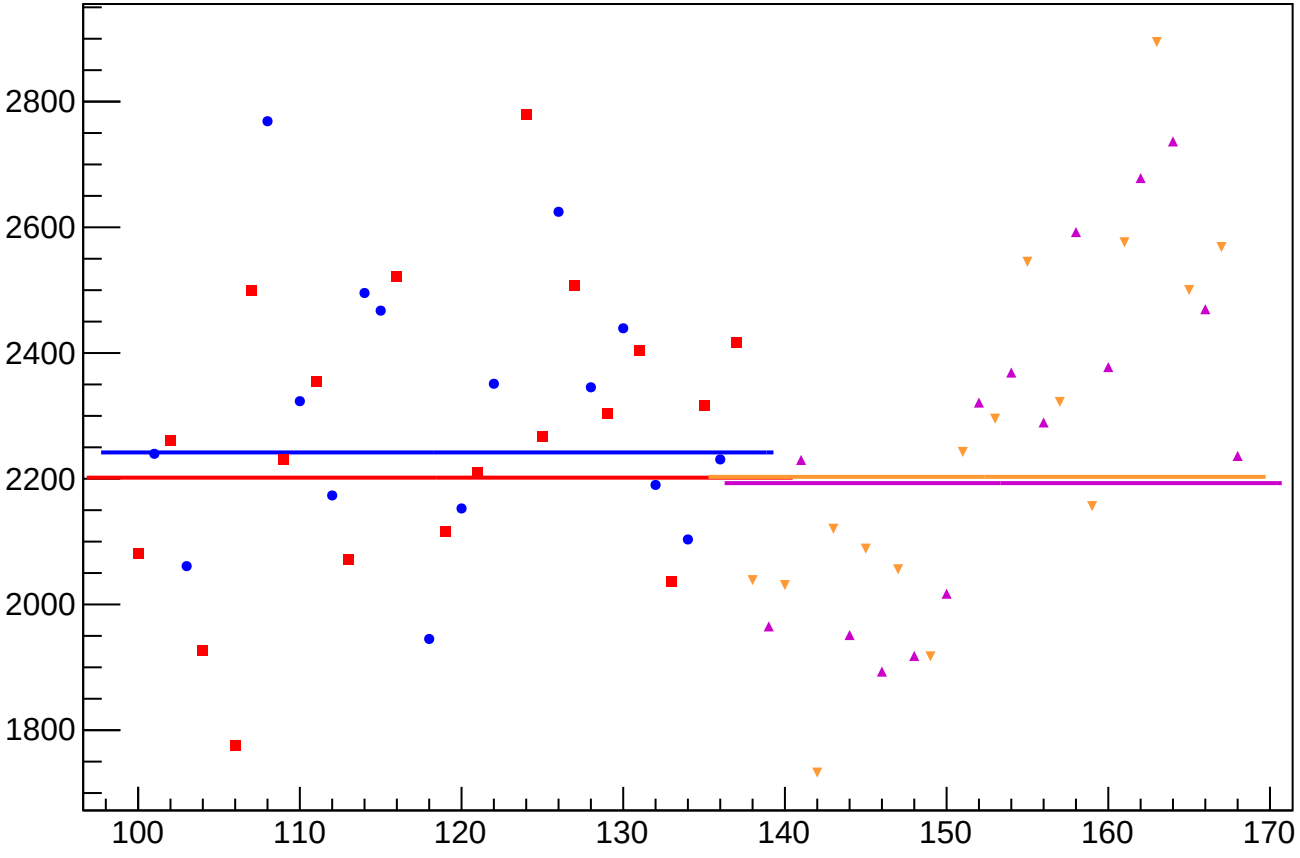
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.278+/-0.503 χ^2/NDF:553.4/30

Out: 5.170+/-0.495 χ^2/NDF:157.0/34

All: 4.731+/-0.353 χ^2/NDF: 712.1/65

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2203.016+/-0.442 χ^2/NDF:358296.6/15

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2193.036+/-0.445 χ^2/NDF:326077.6/14

Left: 2198.064+/-0.314 χ^2/NDF: 684627.2/30

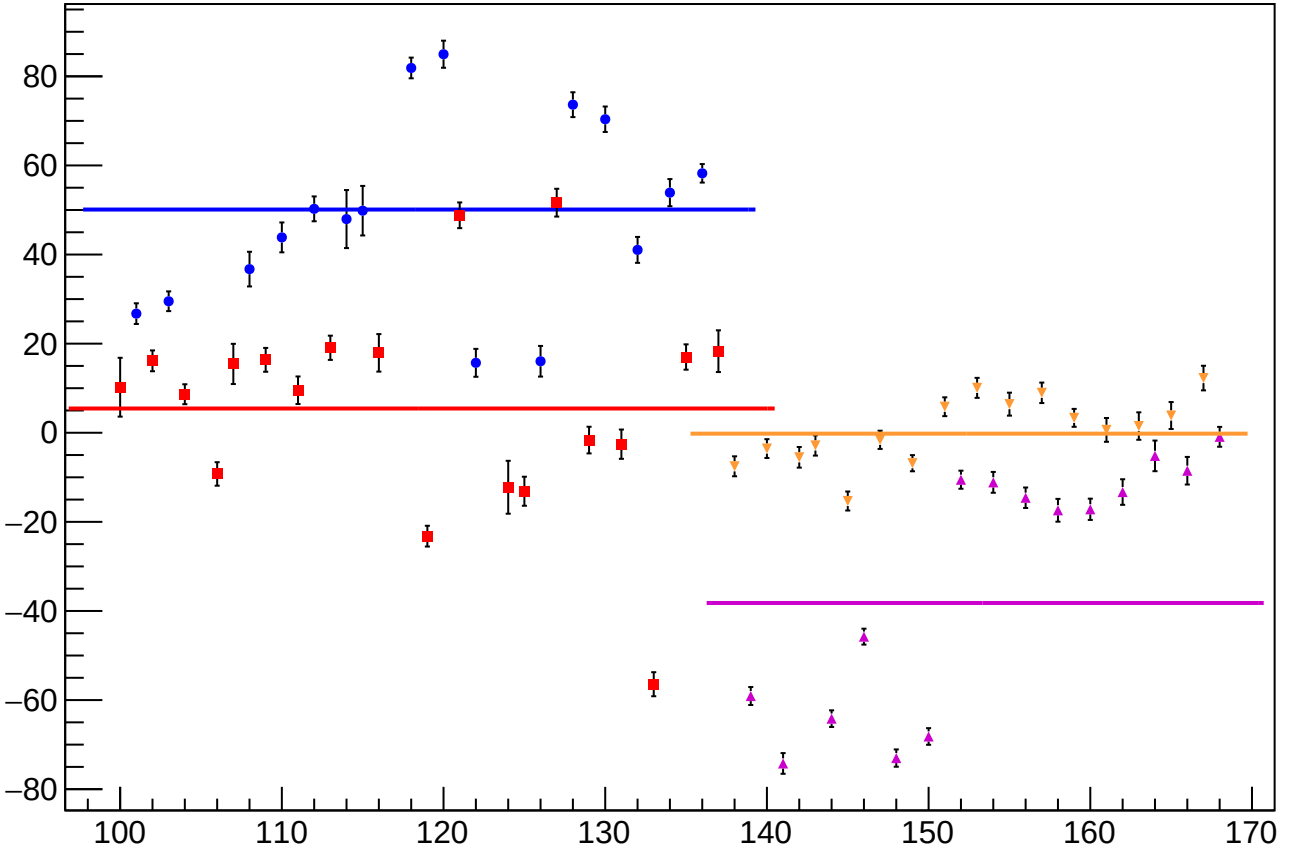
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2210.670+/-0.356 χ^2/NDF:432677.8/30

Out: 2202.539+/-0.350 χ^2/NDF:488182.2/34

All: 2206.534+/-0.250 χ^2/NDF: 921125.5/65

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.202+/-0.572 χ^2/NDF:161.3/15

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -38.206+/-0.574 χ^2/NDF:2246.2/14

Left: -19.132+/-0.405 χ^2/NDF: 4609.9/30

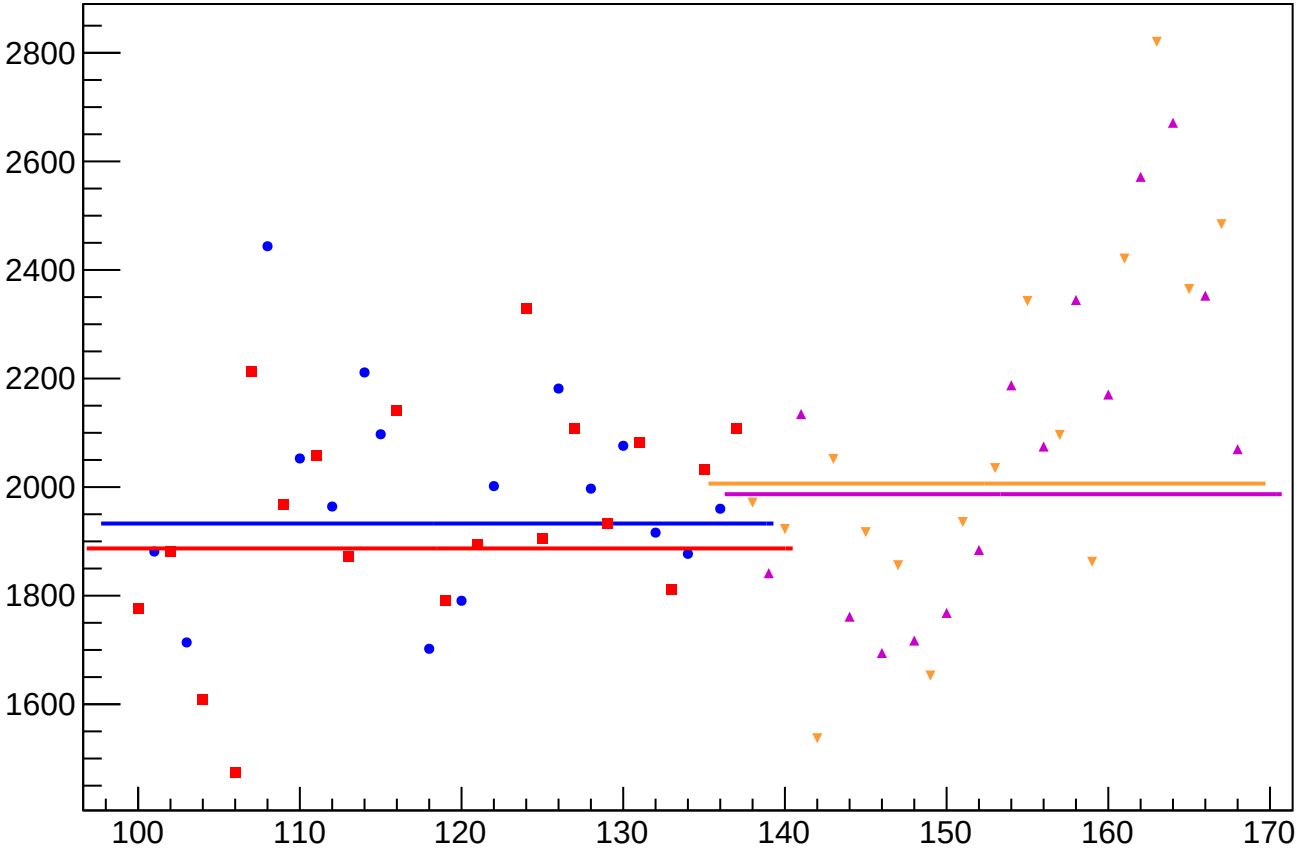
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.035+/-0.449 χ^2/NDF:12302.7/30

Out: 2.078+/-0.441 χ^2/NDF:1512.3/34

All: -0.924+/-0.315 χ^2/NDF: 13909.3/65

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2006.467+/-0.404 χ^2/NDF:502302.6/15

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1986.983+/-0.406 χ^2/NDF:433691.9/14

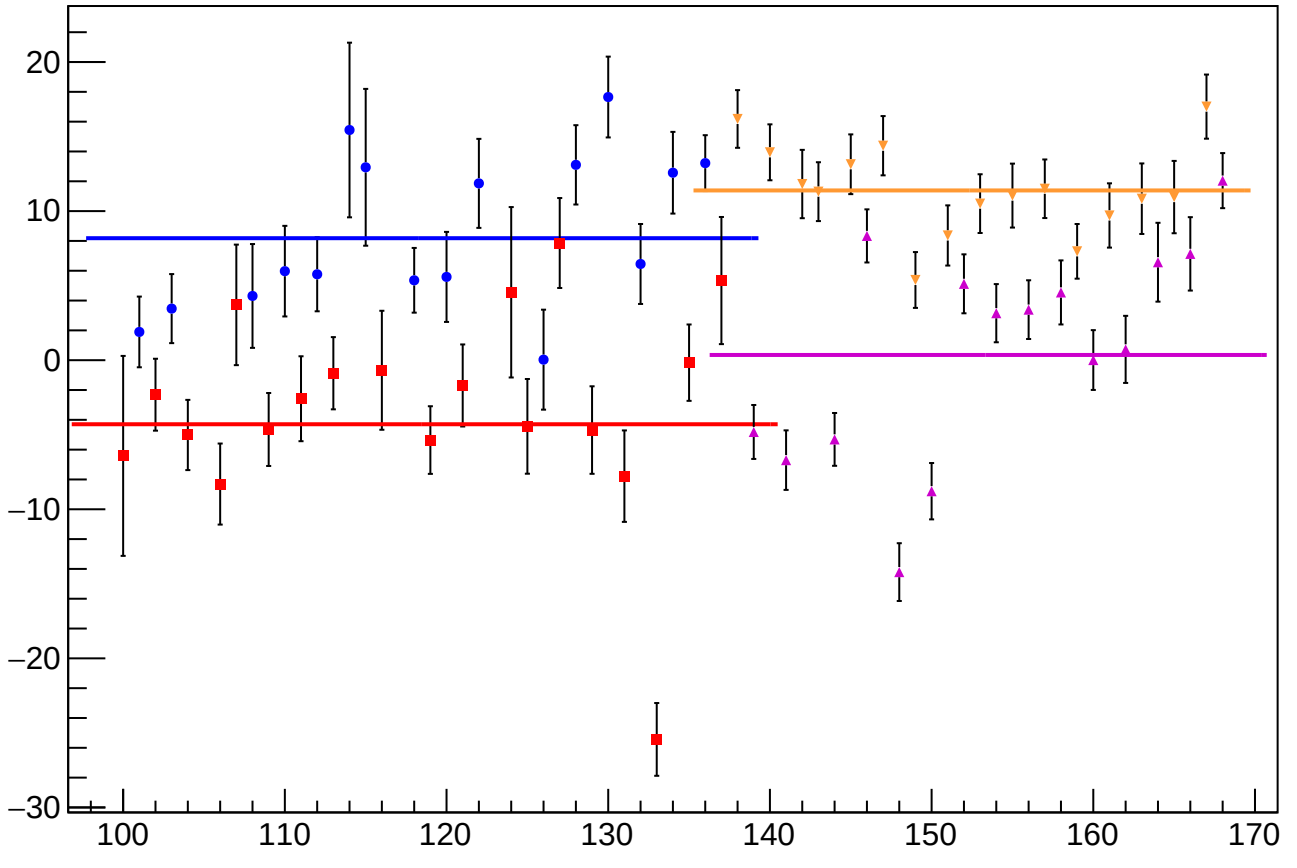
Left: 1996.762+/-0.286 χ^2/NDF: 937152.3/30

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1966.057+/-0.318 χ^2/NDF:546535.8/30

Out: 1958.213+/-0.312 χ^2/NDF:687345.1/34

All: 1962.065+/-0.223 χ^2/NDF: 1234191.4/65



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.386+/-0.510 χ^2/NDF:36.3/15

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 0.351+/-0.515 χ^2/NDF:198.1/14

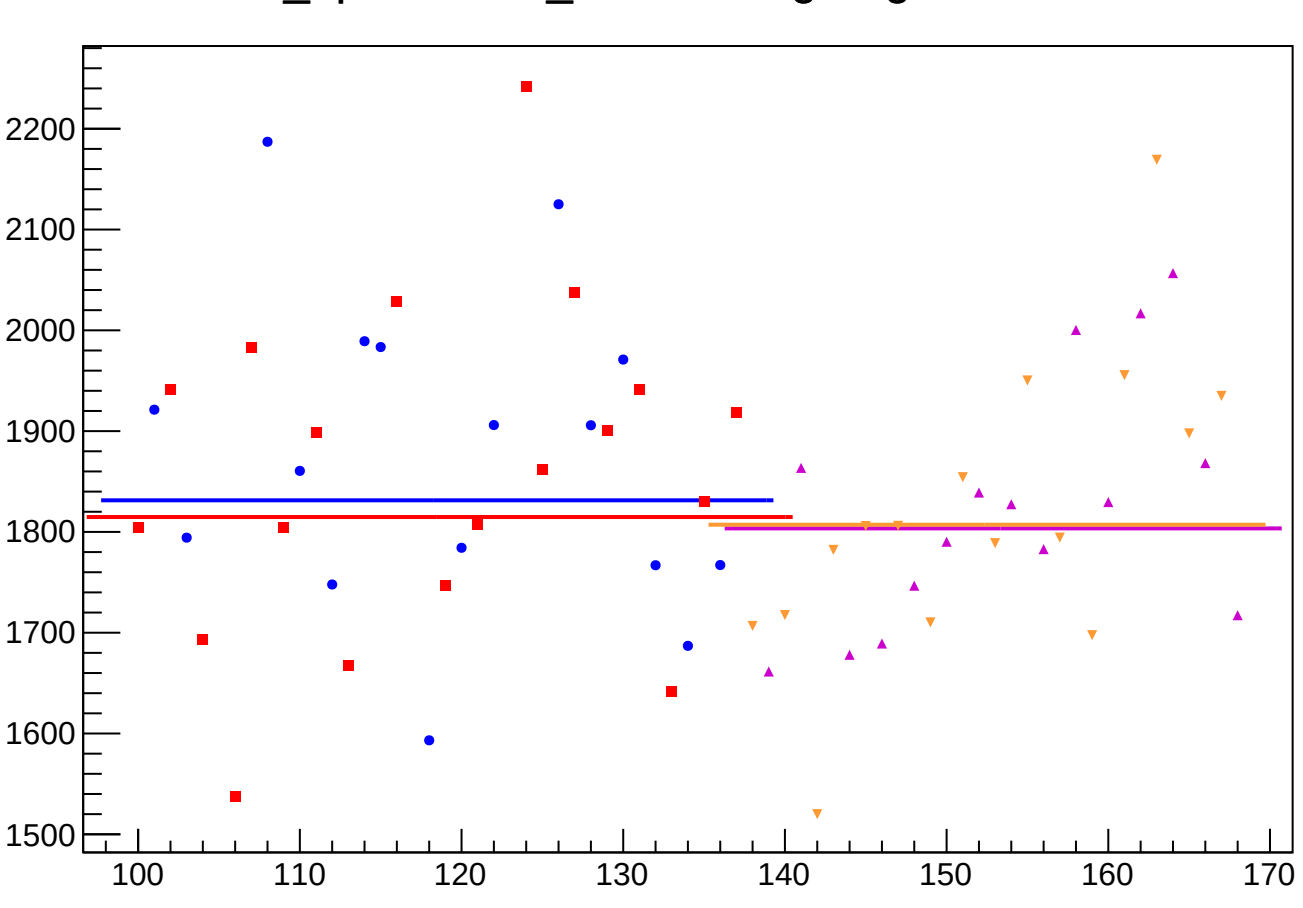
Left: 5.917+/-0.362 χ^2/NDF: 466.4/30

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 3.184+/-0.411 χ^2/NDF:333.9/30

Out: 5.581+/-0.405 χ^2/NDF:500.1/34

All: 4.401+/-0.288 χ^2/NDF: 851.3/65



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1807.146+/-0.361 χ^2/NDF:130610.8/15

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1803.494+/-0.364 χ^2/NDF:94551.4/14

Left: 1805.336+/-0.256 χ^2/NDF: 225213.1/30

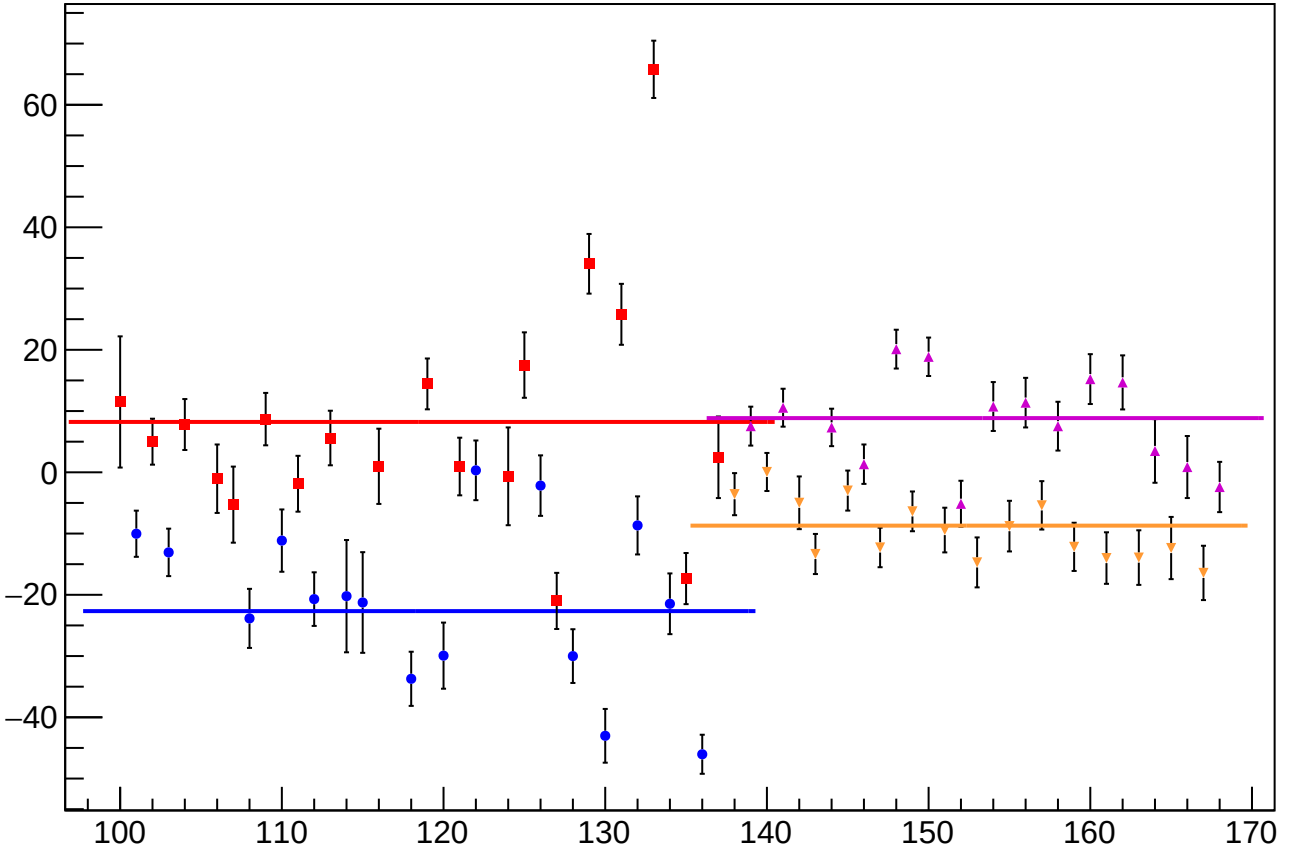
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1813.574+/-0.291 χ^2/NDF:183591.9/30

Out: 1809.970+/-0.286 χ^2/NDF:221515.0/34

All: 1811.744+/-0.204 χ^2/NDF: 405185.0/65

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.707+/-0.937 χ^2/NDF:27.9/15

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 8.849+/-0.948 χ^2/NDF:58.8/14

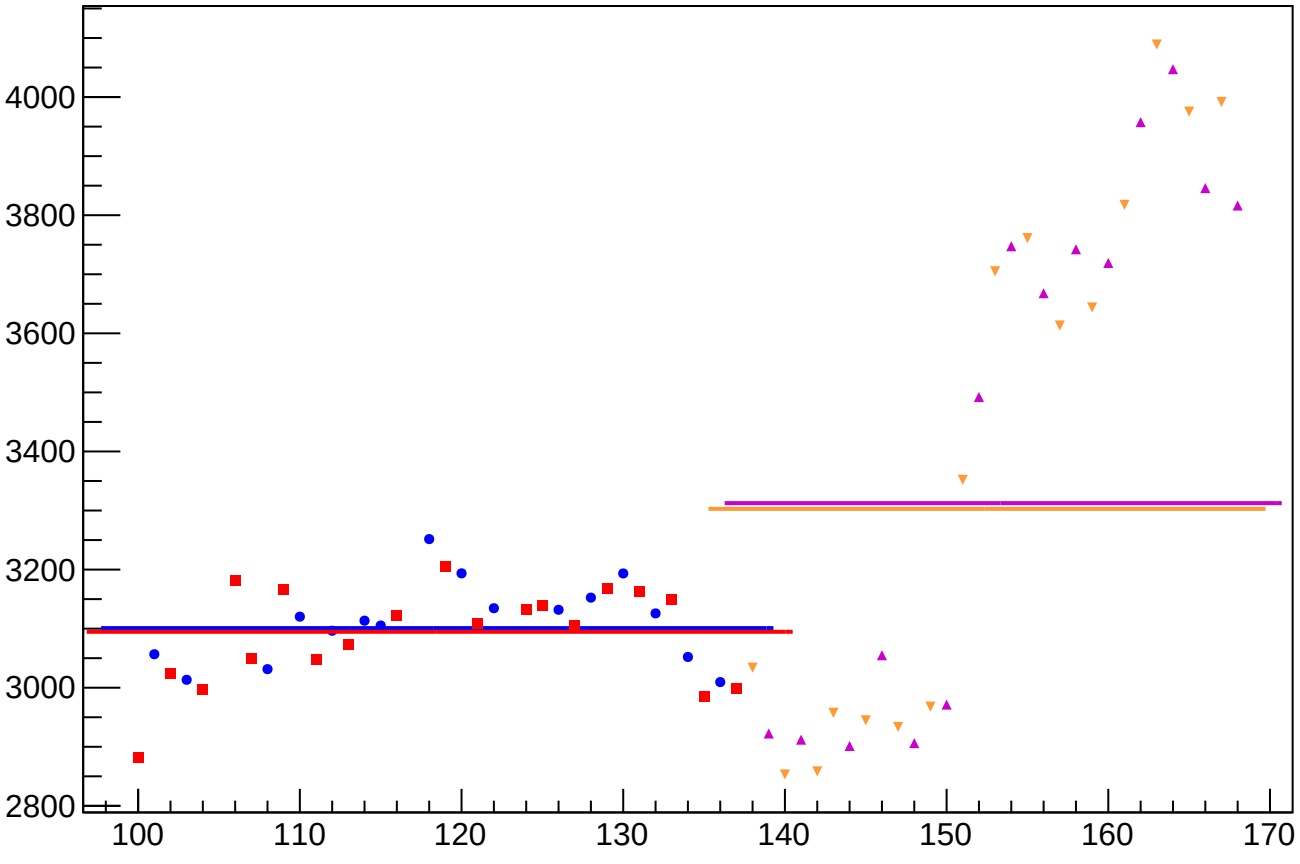
Left: -0.031+/-0.666 χ^2/NDF: 260.3/30

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.874+/-0.732 χ^2/NDF:662.2/30

Out: -1.801+/-0.721 χ^2/NDF:456.0/34

All: -2.821+/-0.514 χ^2/NDF: 1122.2/65



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3302.853+/-0.663 χ^2/NDF:416474.1/15

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3312.557+/-0.670 χ^2/NDF:391094.2/14

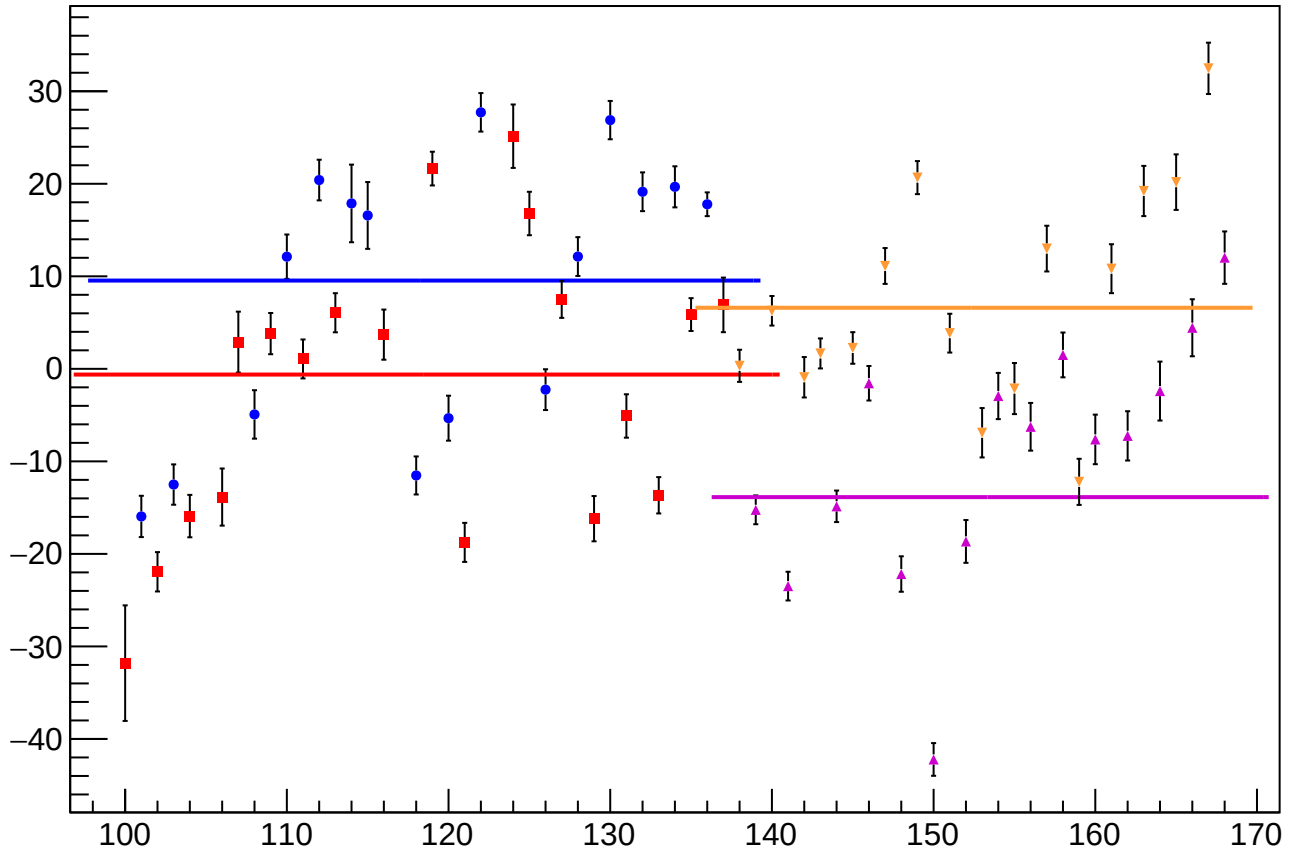
Left: 3307.648+/-0.471 χ^2/NDF: 807674.3/30

Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

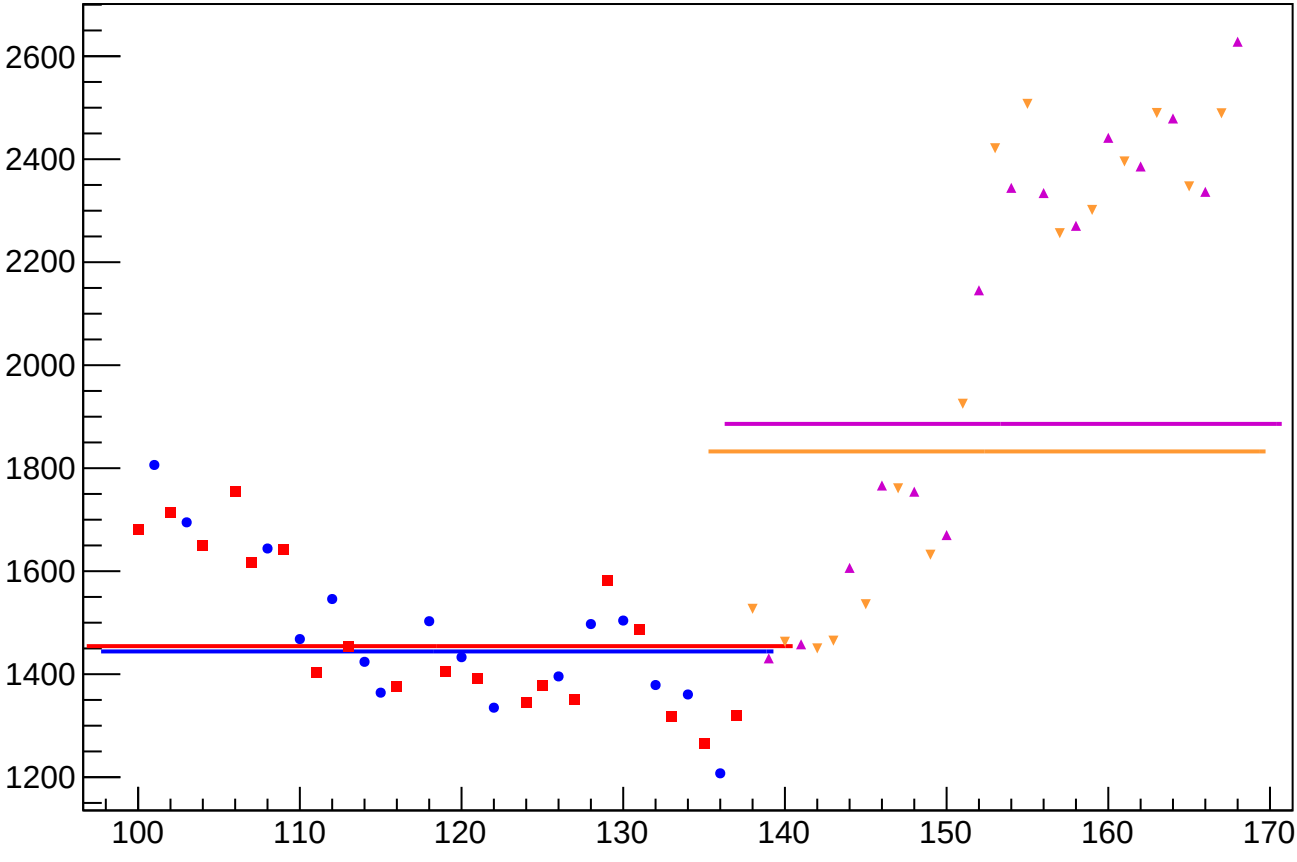
In: 3227.115+/-0.518 χ^2/NDF:439231.6/30

Out: 3217.938+/-0.510 χ^2/NDF:465329.2/34

All: 3222.457+/-0.363 χ^2/NDF: 904720.3/65


diff_bpm0l01Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: 9.540+/-0.541 χ²/NDF: 698.7/15
Left Out: 6.601+/-0.529 χ²/NDF:340.7/15
Right Out: -0.620+/-0.534 χ²/NDF: 665.8/18
Left In: -13.865+/-0.548 χ²/NDF:574.9/14
Left: -3.262+/-0.380 χ²/NDF: 1638.0/30
Right: 4.392+/-0.380 χ²/NDF: 1543.1/34
In: -2.017+/-0.385 χ²/NDF:2196.8/30
Out: 3.028+/-0.376 χ²/NDF:1098.8/34
All: 0.568+/-0.269 χ²/NDF: 3383.6/65

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1832.555+/-0.374 χ^2/NDF:1150241.0/15

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1886.030+/-0.388 χ^2/NDF:1033912.8/14

Left: 1858.327+/-0.269 χ^2/NDF: 2194017.7/30

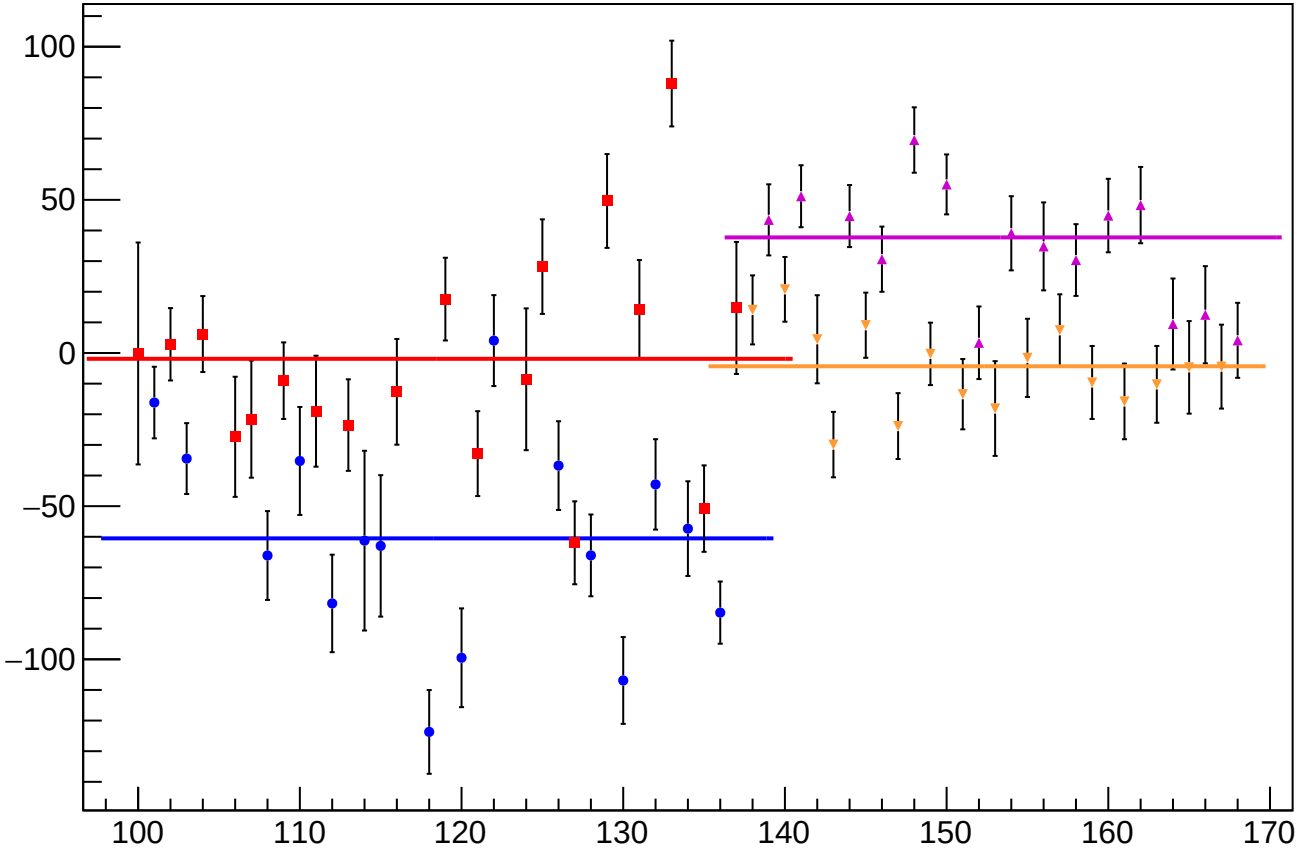
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1662.367+/-0.272 χ^2/NDF:1872069.6/30

Out: 1645.467+/-0.266 χ^2/NDF:1799288.9/34

All: 1653.708+/-0.190 χ^2/NDF: 3673331.7/65

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.332+/-2.983 χ^2/NDF:23.2/15

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 37.736+/-3.020 χ^2/NDF:38.6/14

Left: 16.445+/-2.122 χ^2/NDF: 160.0/30

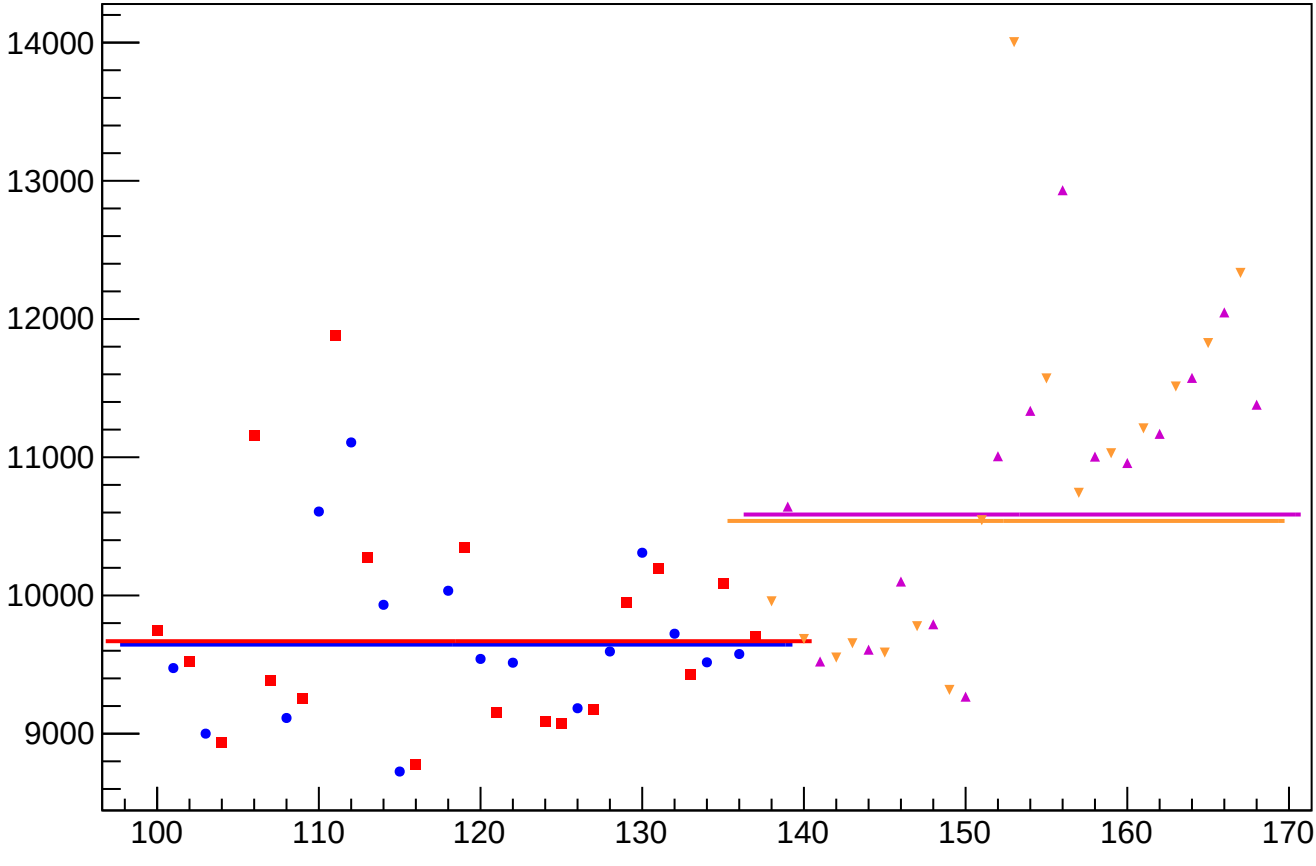
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -2.897+/-2.313 χ^2/NDF:566.6/30

Out: -3.320+/-2.282 χ^2/NDF:127.3/34

All: -3.112+/-1.624 χ^2/NDF: 694.0/65

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10539.256+/-2.109 χ^2/NDF:280500.1/15

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10585.654+/-2.135 χ^2/NDF:199026.4/14

Left: 10562.171+/-1.501 χ^2/NDF: 479765.4/30

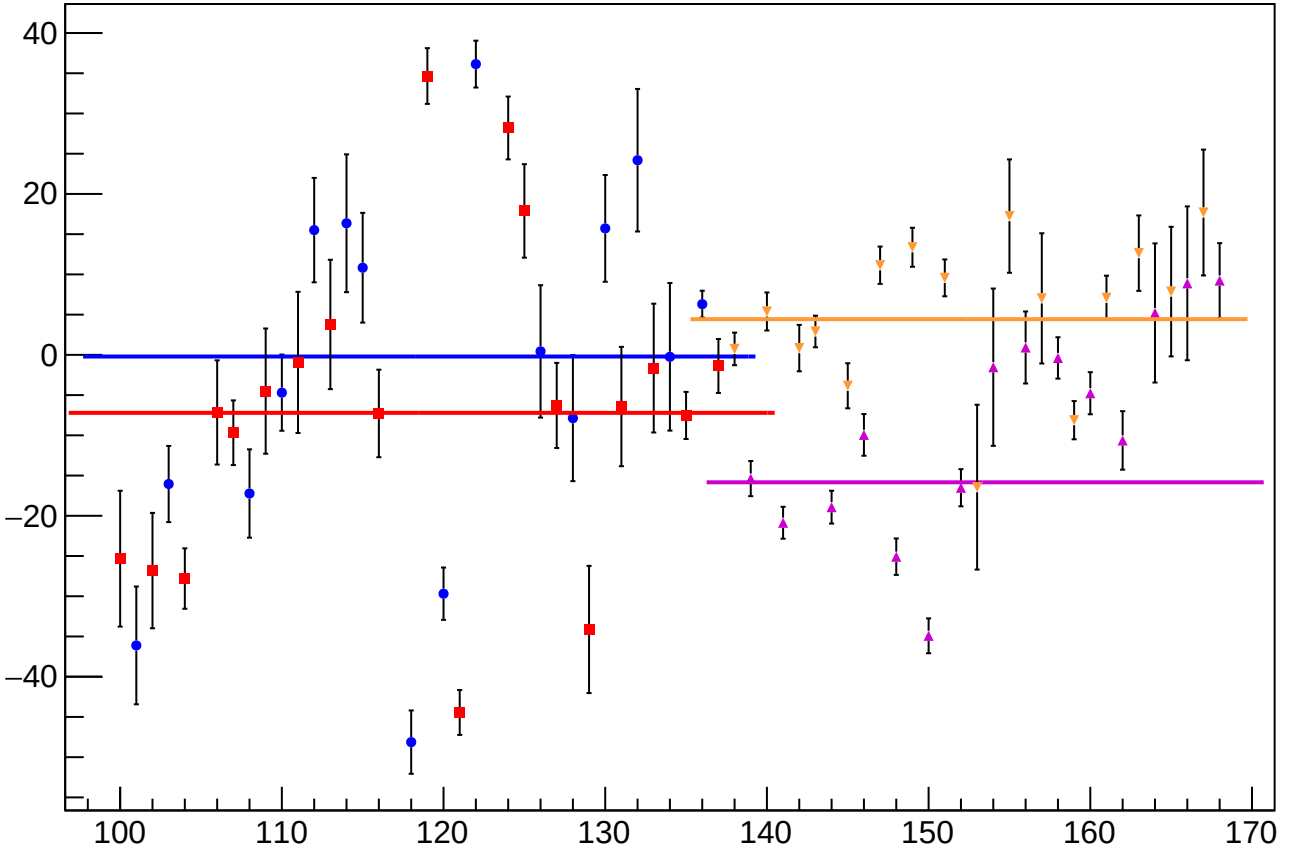
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10196.386+/-1.635 χ^2/NDF:323475.0/30

Out: 10178.256+/-1.614 χ^2/NDF:430965.7/34

All: 10187.200+/-1.149 χ^2/NDF: 754503.0/65

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.434+/-0.724 χ^2/NDF:83.9/15

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -15.839+/-0.716 χ^2/NDF:222.3/14

Left: -5.821+/-0.509 χ^2/NDF: 702.9/30

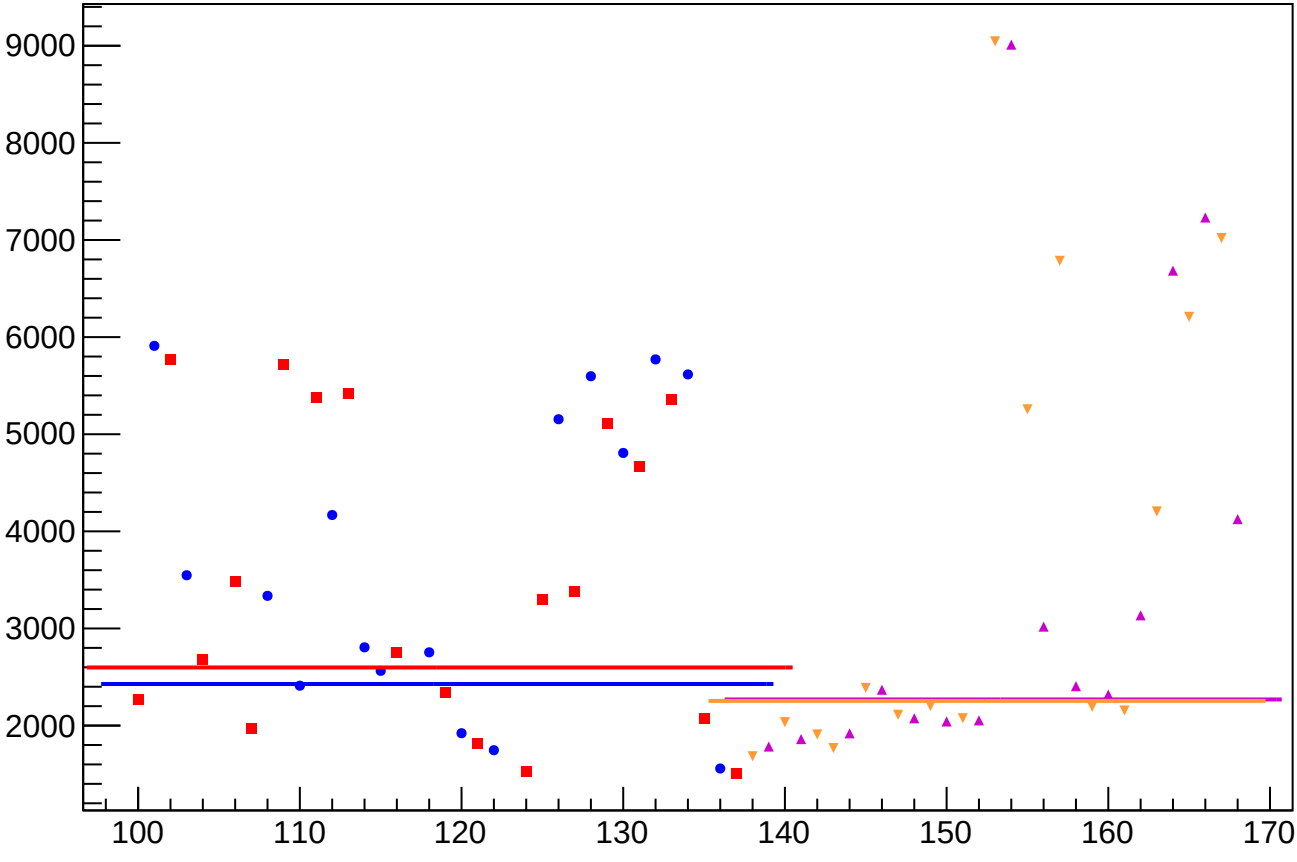
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -10.852+/-0.590 χ^2/NDF:848.3/30

Out: 0.796+/-0.600 χ^2/NDF:650.3/34

All: -5.123+/-0.421 χ^2/NDF: 1690.0/65

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2254.090+/-0.512 χ^2/NDF:3797224.1/15

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2269.025+/-0.506 χ^2/NDF:2805726.0/14

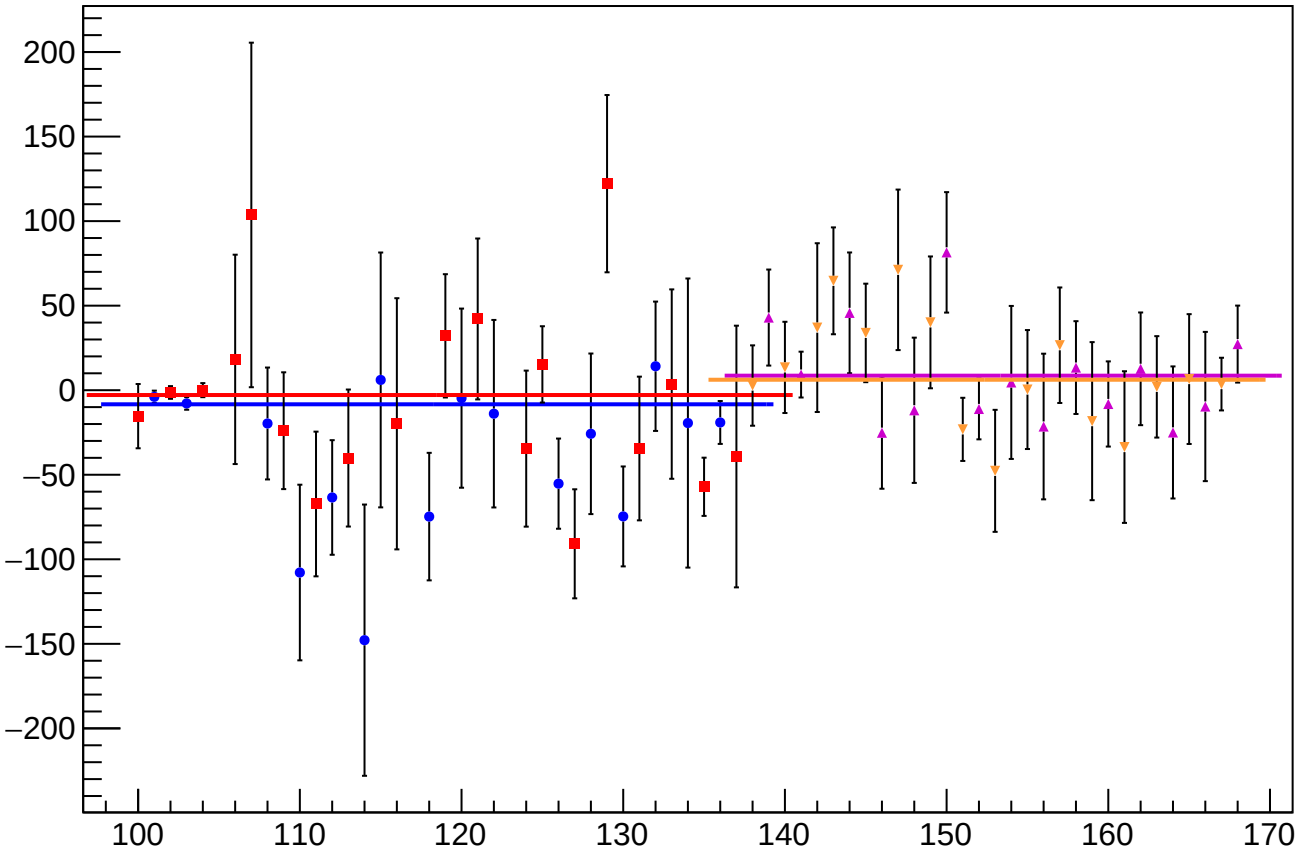
Left: 2261.645+/-0.360 χ^2/NDF: 6603380.8/30

Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

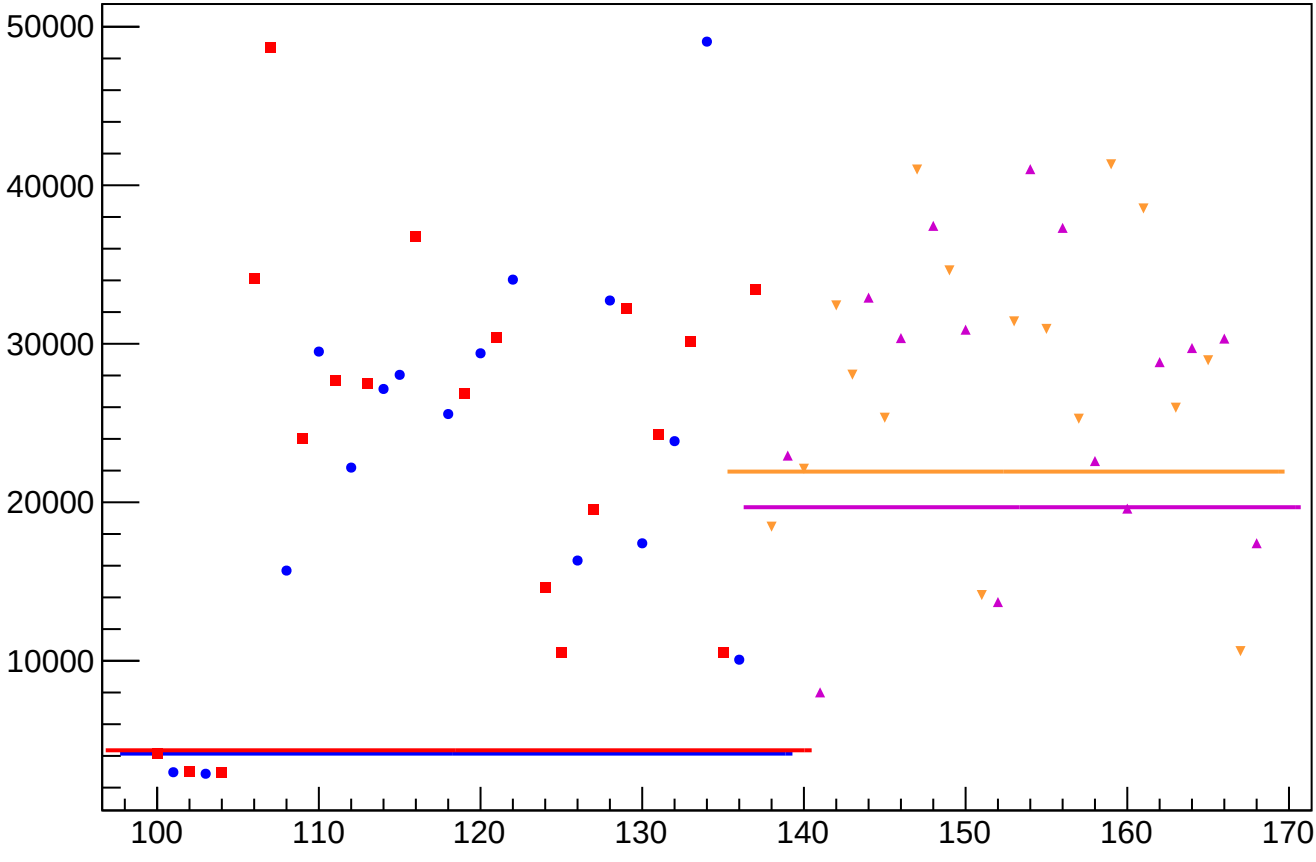
In: 2319.770+/-0.418 χ^2/NDF:5652590.9/30

Out: 2361.679+/-0.424 χ^2/NDF:6453497.7/34

All: 2340.380+/-0.298 χ^2/NDF: 12111043.9/6


diff_bpm0l03X_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -8.332+/-2.499 χ²/NDF: 23.4/15
Left Out: 6.187+/-7.255 χ²/NDF:13.6/15
Right Out: -2.848+/-2.640 χ²/NDF: 32.6/18
Left In: 8.595+/-6.944 χ²/NDF:11.8/14
Left: 7.444+/-5.017 χ²/NDF: 25.5/30
Right: -5.740+/-1.815 χ²/NDF: 58.3/34
In: -6.391+/-2.352 χ²/NDF:40.5/30
Out: -1.792+/-2.481 χ²/NDF:47.6/34
All: -4.214+/-1.707 χ²/NDF: 89.9/65

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21936.995+/-5.130 χ^2/NDF:3182428.6/15

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19689.690+/-4.910 χ^2/NDF:3975890.5/14

Left: 20764.065+/-3.547 χ^2/NDF: 7258468.4/30

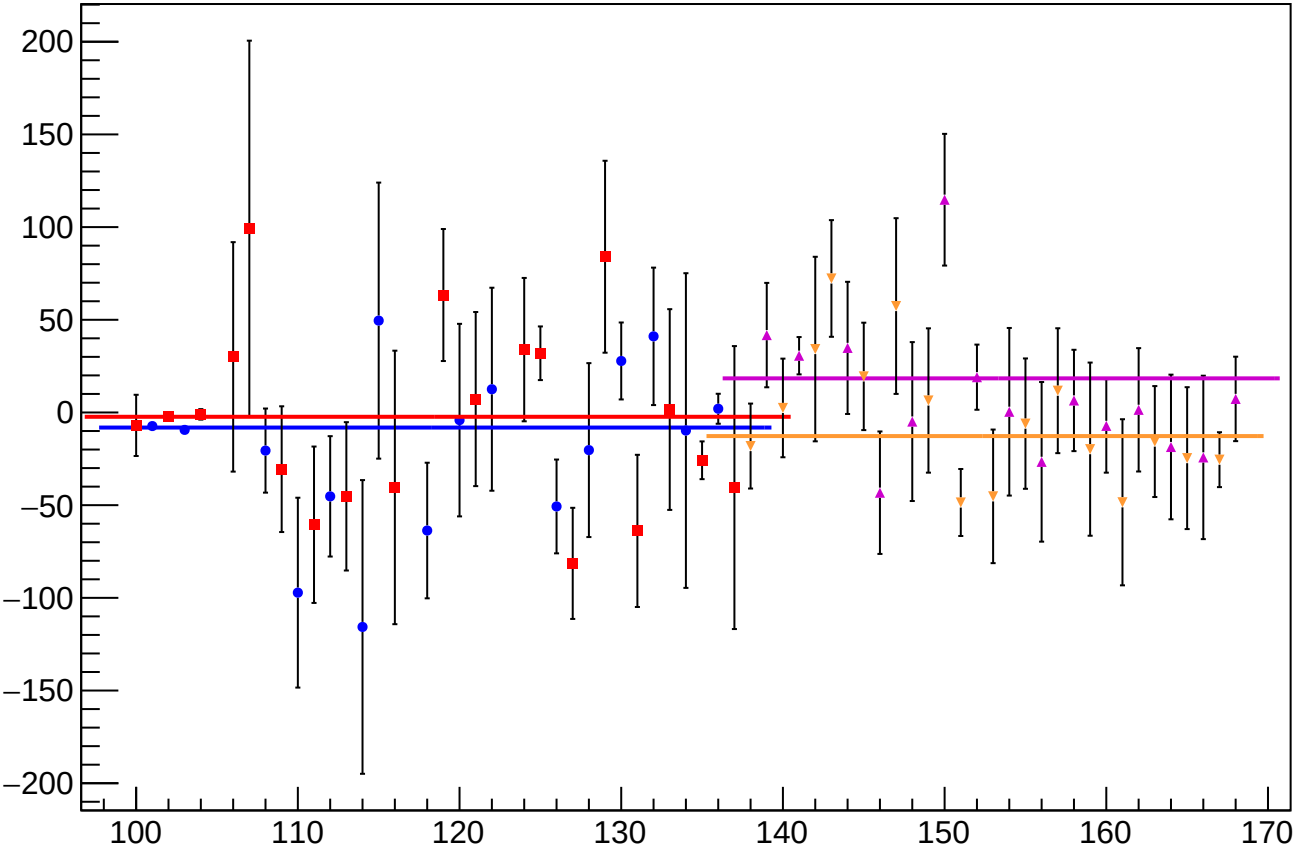
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5928.639+/-1.663 χ^2/NDF:19685244.3/30

Out: 6409.602+/-1.754 χ^2/NDF:21179951.0/34

All: 6156.306+/-1.207 χ^2/NDF: 40904794.6/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -12.733+/-7.094 χ^2/NDF:19.1/15

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 18.403+/-6.281 χ^2/NDF:18.3/14

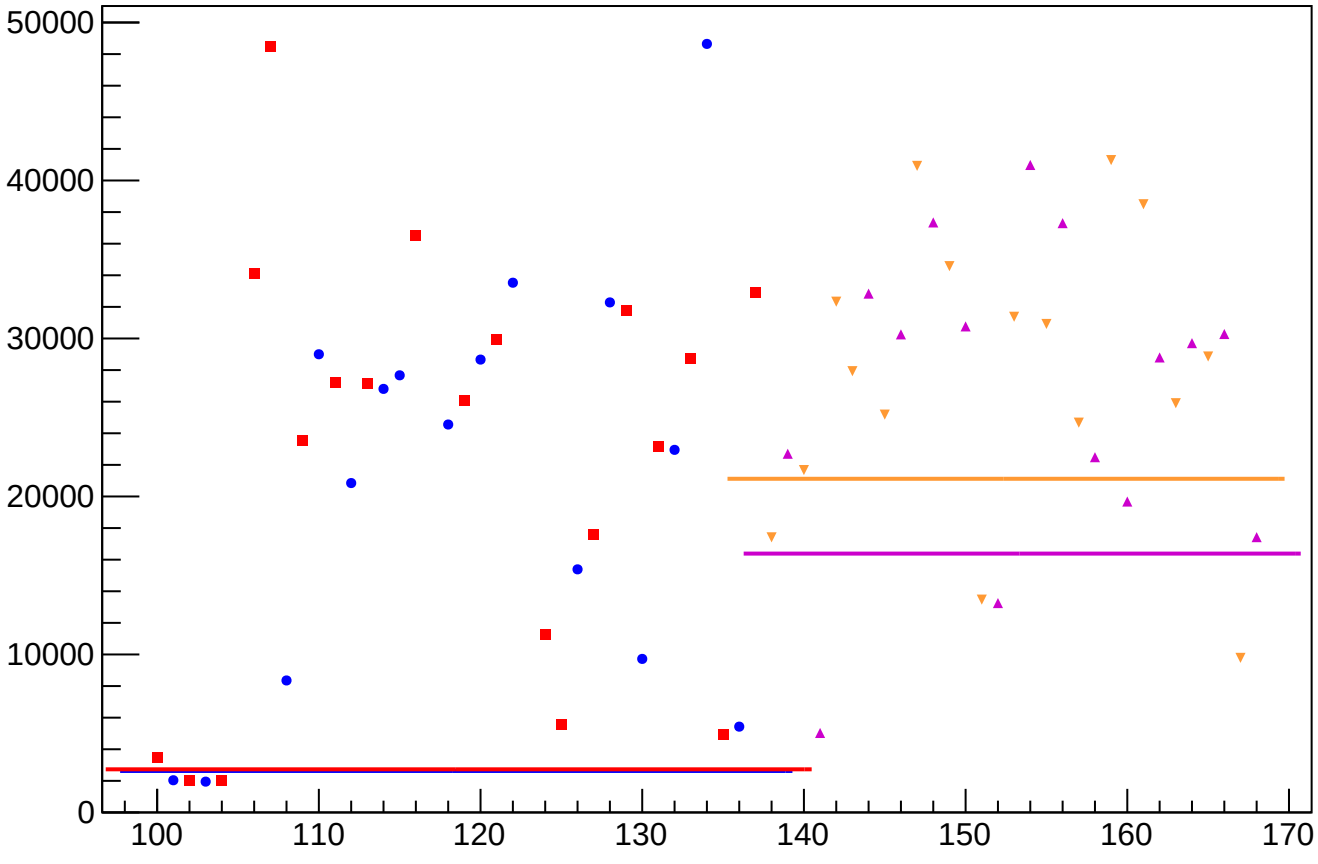
Left: 4.723+/-4.703 χ^2/NDF: 48.2/30

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.280+/-1.659 χ^2/NDF:54.0/30

Out: -2.968+/-1.764 χ^2/NDF:54.1/34

All: -4.726+/-1.209 χ^2/NDF: 110.0/65



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21119.742+/-5.017 χ^2/NDF:3552893.0/15

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16384.313+/-4.441 χ^2/NDF:6206880.4/14

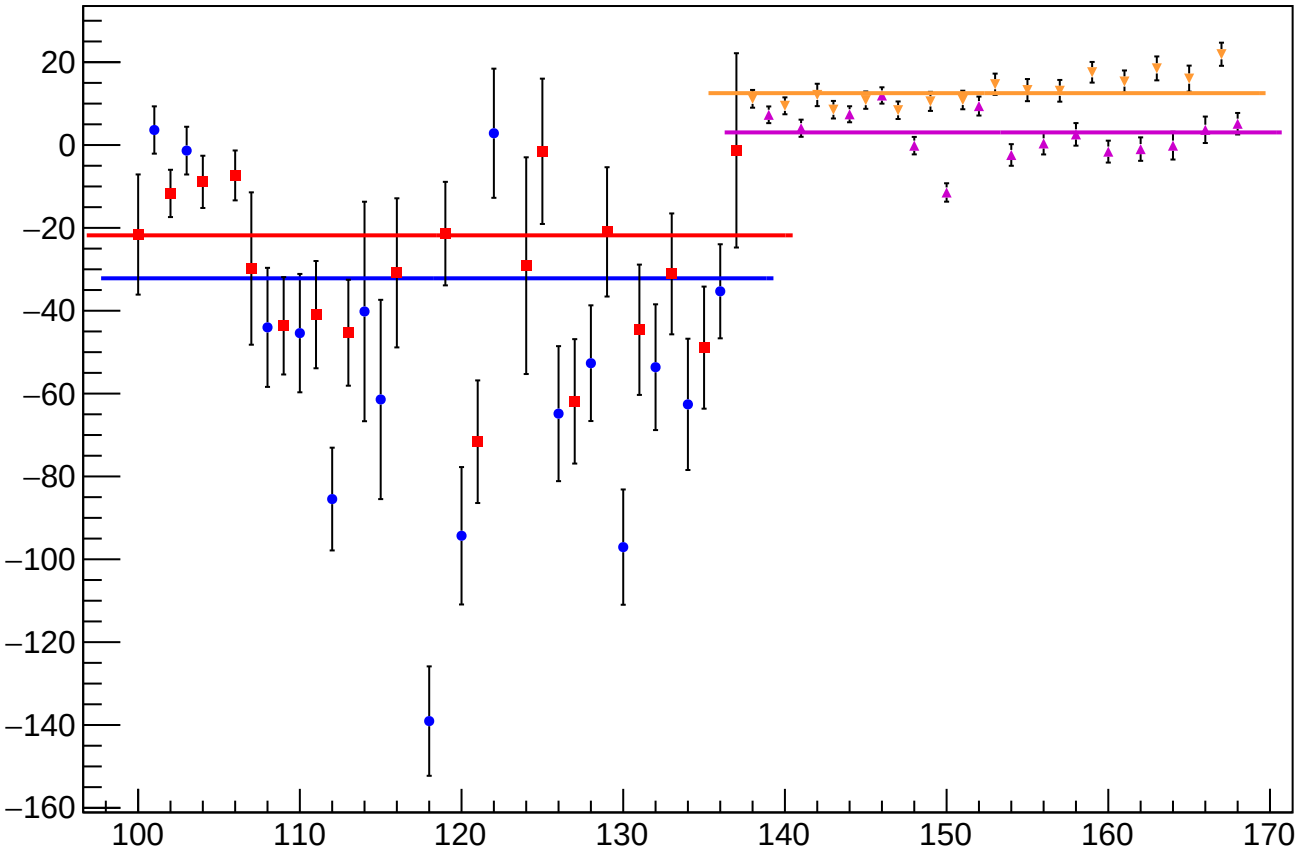
Left: 18464.920+/-3.325 χ^2/NDF: 10259329.6/30

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3586.689+/-1.173 χ^2/NDF:21914976.9/30

Out: 3867.692+/-1.248 χ^2/NDF:24145548.8/34

All: 3718.567+/-0.855 χ^2/NDF: 46087446.3/6



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.522+/-0.604 χ^2/NDF:34.8/15

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.046+/-0.614 χ^2/NDF:95.0/14

Left: 7.868+/-0.431 χ^2/NDF: 250.8/30

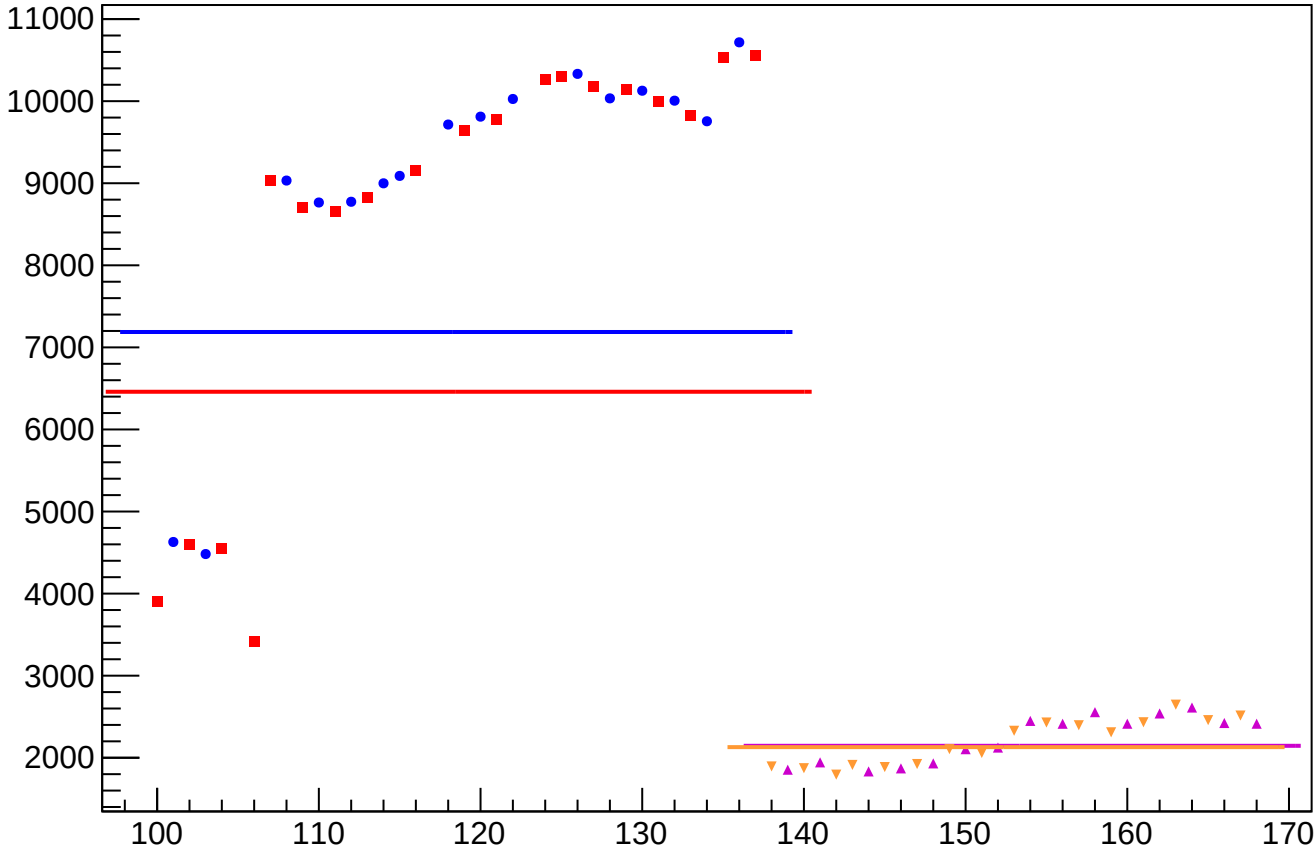
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.473+/-0.601 χ^2/NDF:449.5/30

Out: 10.710+/-0.588 χ^2/NDF:254.5/34

All: 6.193+/-0.420 χ^2/NDF: 824.8/65

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2129.296+/-0.427 χ^2/NDF:373634.5/15

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2145.567+/-0.435 χ^2/NDF:400628.8/14

Left: 2137.288+/-0.305 χ^2/NDF: 774976.8/30

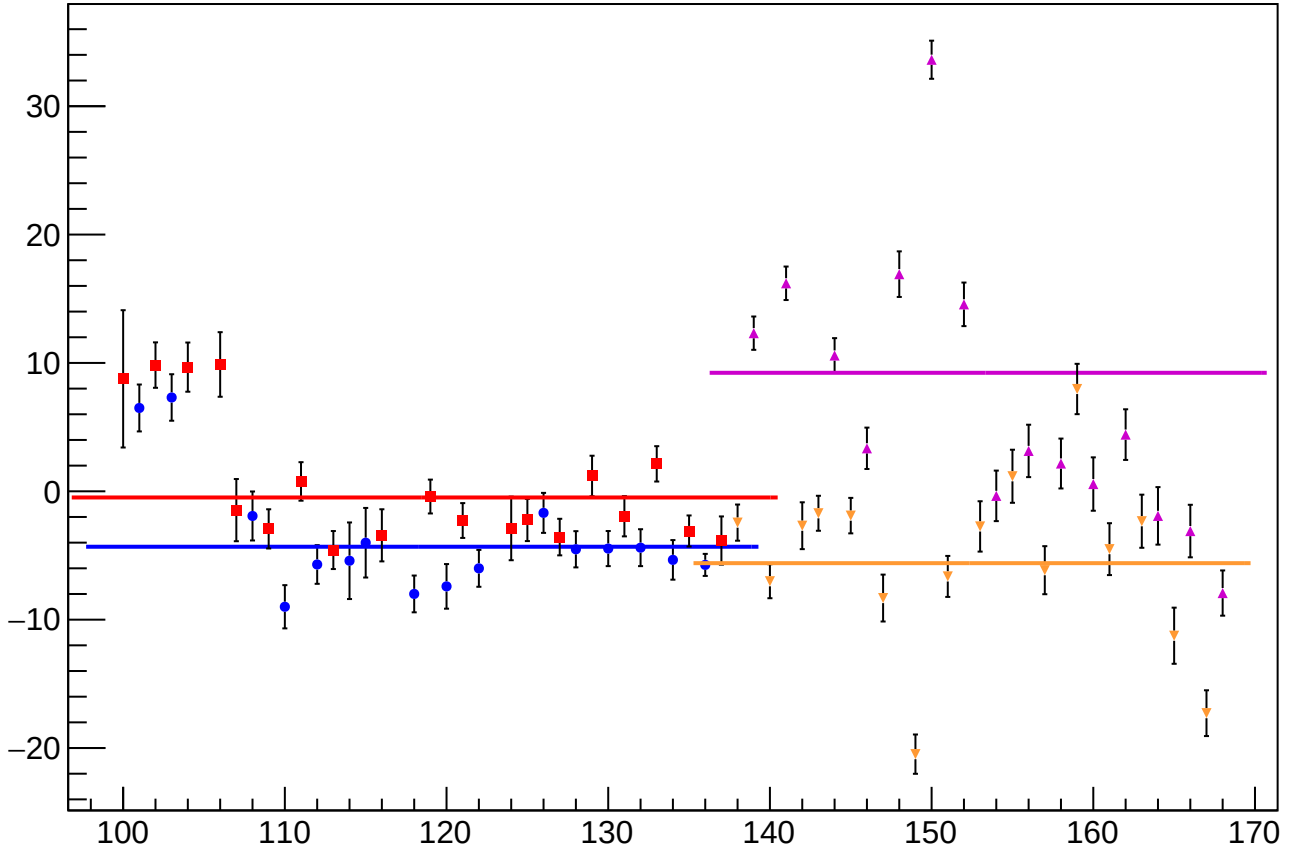
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2370.788+/-0.425 χ^2/NDF:8120915.6/30

Out: 2357.908+/-0.416 χ^2/NDF:8080995.6/34

All: 2364.207+/-0.297 χ^2/NDF: 16202381.1/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.598+/-0.423 χ^2/NDF:234.3/15

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 9.231+/-0.437 χ^2/NDF:571.9/14

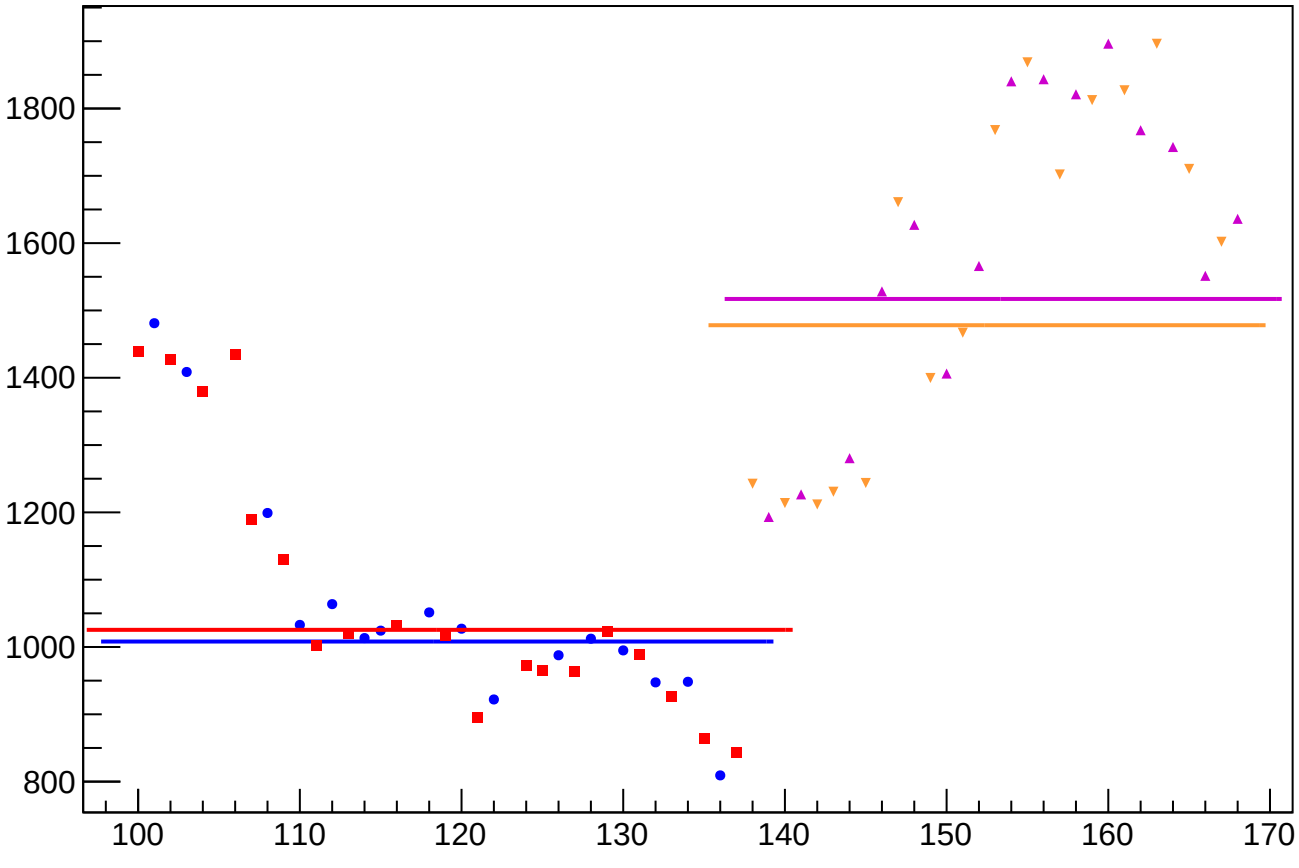
Left: 1.574+/-0.304 χ^2/NDF: 1401.4/30

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.514+/-0.287 χ^2/NDF:1223.7/30

Out: -2.759+/-0.282 χ^2/NDF:432.8/34

All: -0.656+/-0.201 χ^2/NDF: 1769.5/65



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1478.045+/-0.299 χ^2/NDF:702358.7/15

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1517.067+/-0.309 χ^2/NDF:588361.6/14

Left: 1496.918+/-0.215 χ^2/NDF: 1298963.9/30

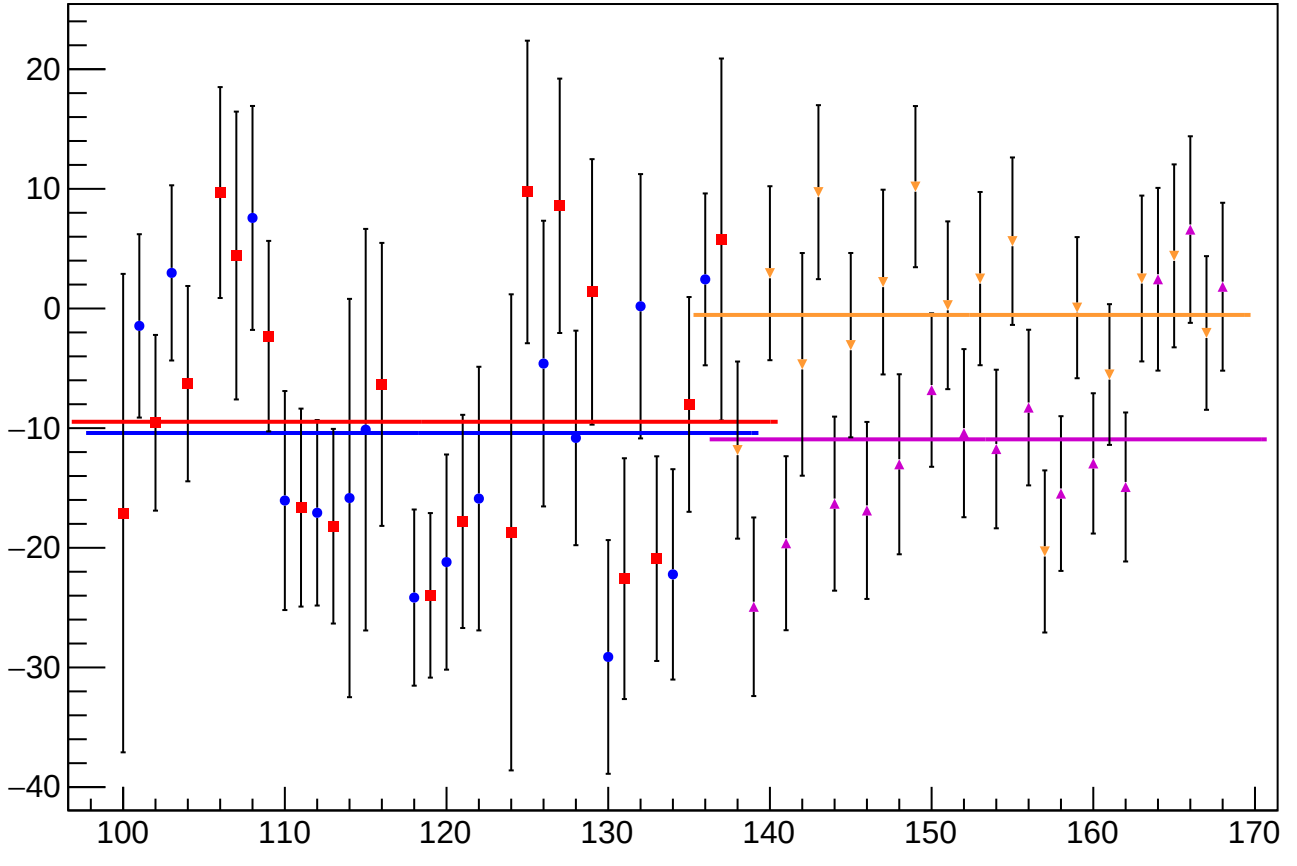
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1227.221+/-0.203 χ^2/NDF:2513802.3/30

Out: 1226.965+/-0.199 χ^2/NDF:2320225.9/34

All: 1227.091+/-0.142 χ^2/NDF: 4834028.9/65

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.537+/-1.755 χ^2/NDF:18.4/15

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -10.935+/-1.781 χ^2/NDF:19.3/14

Left: -5.660+/-1.250 χ^2/NDF: 54.9/30

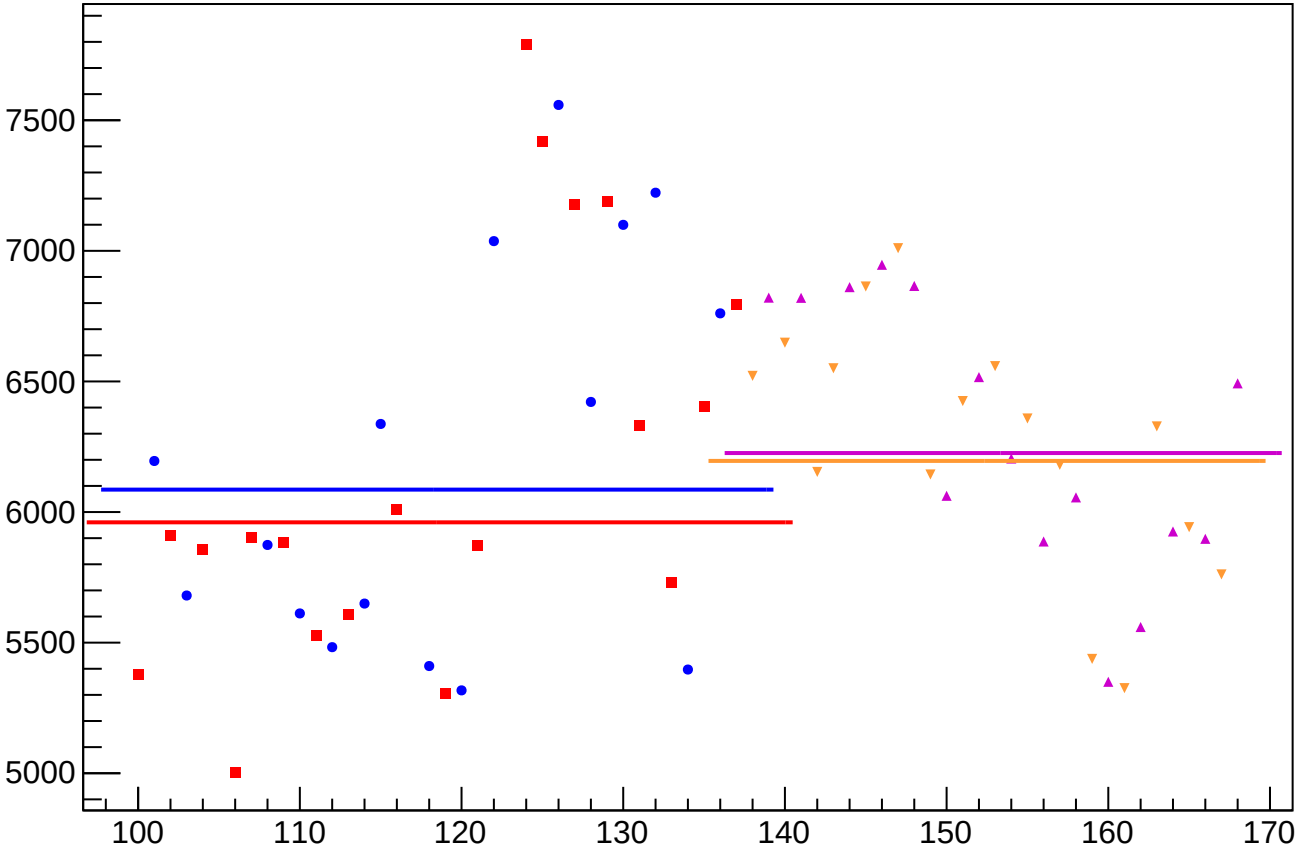
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.734+/-1.403 χ^2/NDF:43.9/30

Out: -4.026+/-1.370 χ^2/NDF:53.9/34

All: -7.299+/-0.980 χ^2/NDF: 109.5/65

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6195.779+/-1.241 χ^2/NDF:150943.5/15

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6225.893+/-1.259 χ^2/NDF:163352.0/14

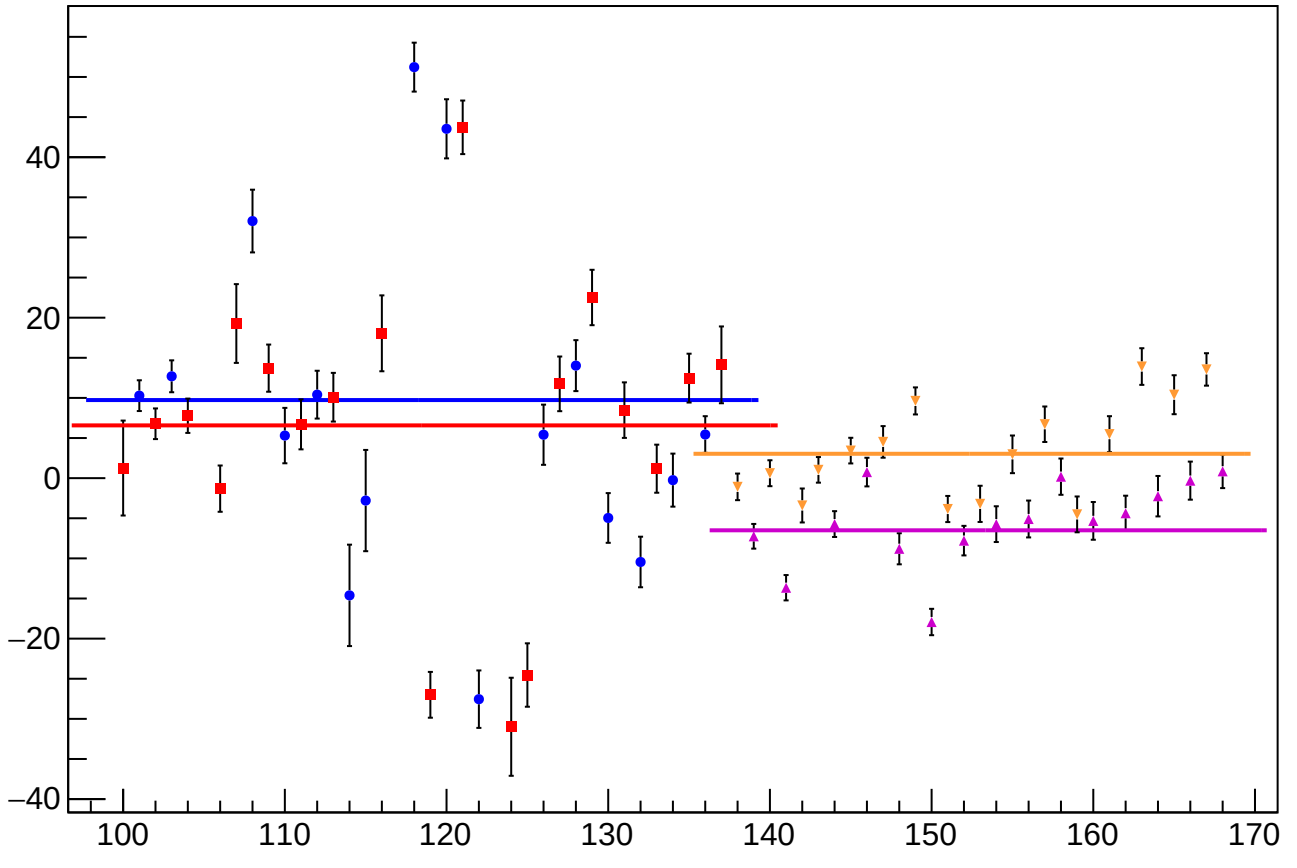
Left: 6210.615+/-0.884 χ^2/NDF: 314585.7/30

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6172.847+/-0.992 χ^2/NDF:347156.0/30

Out: 6103.879+/-0.968 χ^2/NDF:327754.0/34

All: 6137.523+/-0.693 χ^2/NDF: 677384.0/65



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.037+/-0.481 χ^2/NDF:135.0/15

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.500+/-0.500 χ^2/NDF:120.2/14

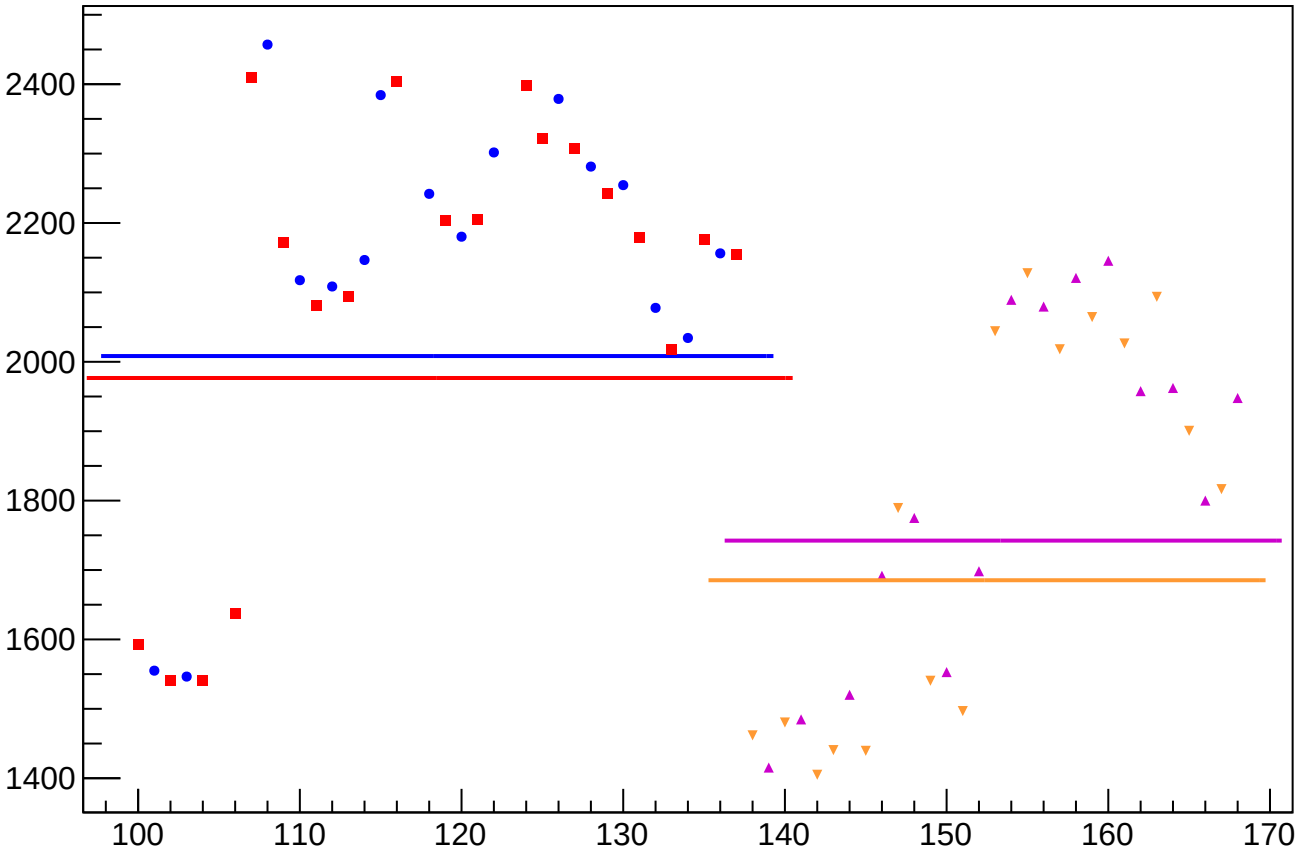
Left: -1.539+/-0.347 χ^2/NDF: 444.2/30

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.546+/-0.417 χ^2/NDF:953.8/30

Out: 4.107+/-0.401 χ^2/NDF:575.1/34

All: 1.388+/-0.289 χ^2/NDF: 1624.3/65



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1685.268+/-0.340 χ^2/NDF:604220.1/15

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1742.376+/-0.354 χ^2/NDF:473031.6/14

Left: 1712.672+/-0.245 χ^2/NDF: 1090803.1/30

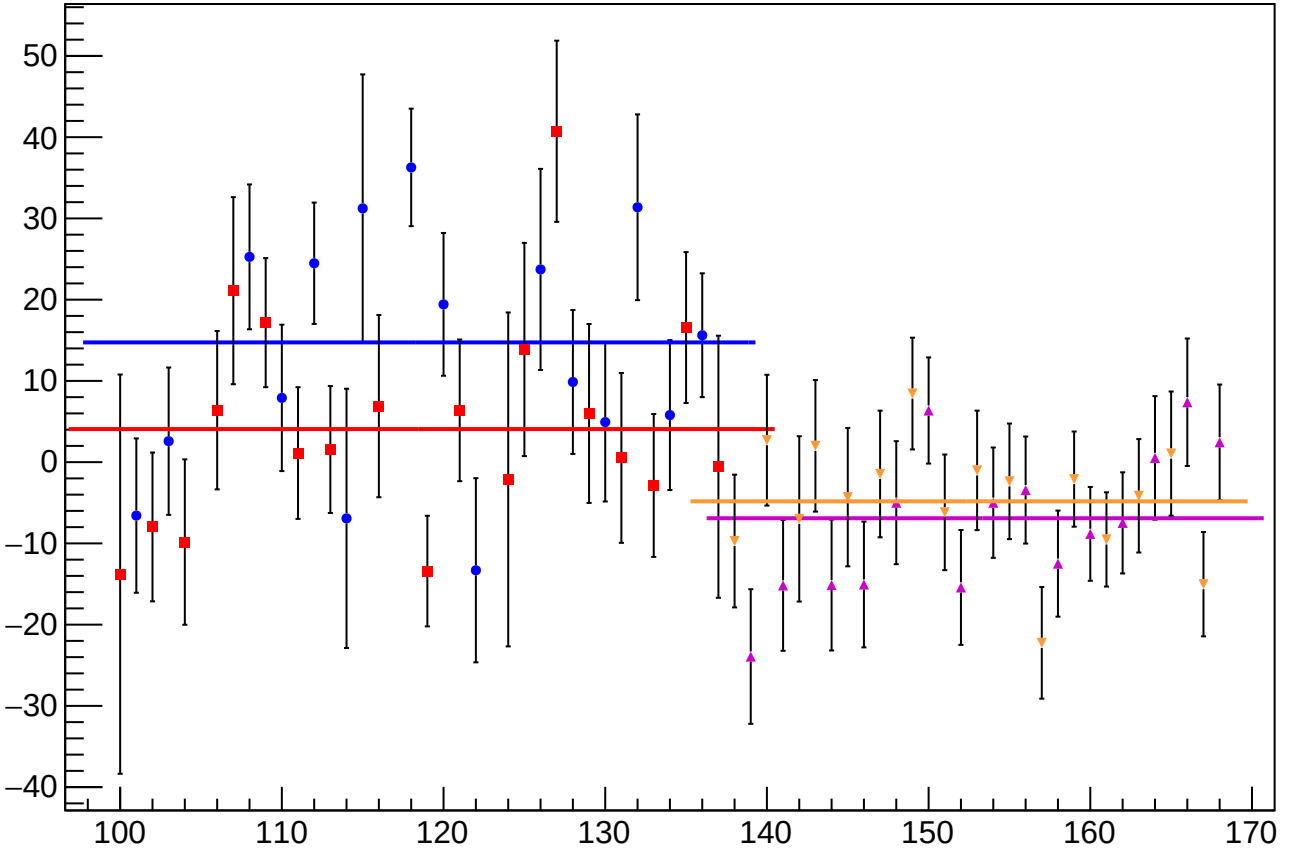
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1823.536+/-0.295 χ^2/NDF:989837.0/30

Out: 1773.325+/-0.284 χ^2/NDF:1191794.2/34

All: 1797.474+/-0.205 χ^2/NDF: 2196677.4/65

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.822+/-1.806 χ^2/NDF:16.7/15

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -6.905+/-1.825 χ^2/NDF:20.3/14

Left: -5.852+/-1.284 χ^2/NDF: 37.7/30

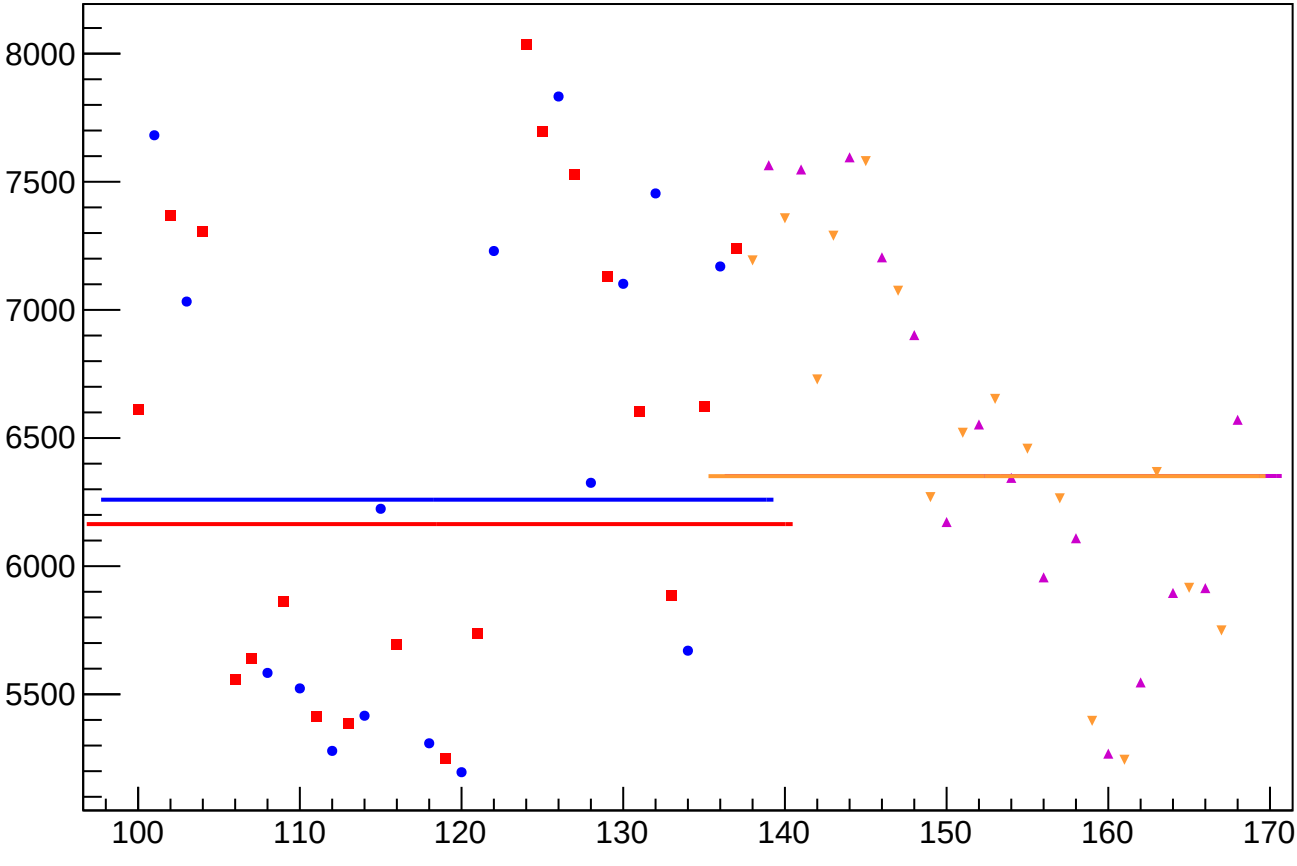
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 1.203+/-1.443 χ^2/NDF:106.5/30

Out: -1.382+/-1.414 χ^2/NDF:56.3/34

All: -0.116+/-1.010 χ^2/NDF: 164.4/65

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6351.239+/-1.277 χ^2/NDF:296566.3/15

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6351.898+/-1.290 χ^2/NDF:301812.9/14

Left: 6351.565+/-0.908 χ^2/NDF: 598379.3/30

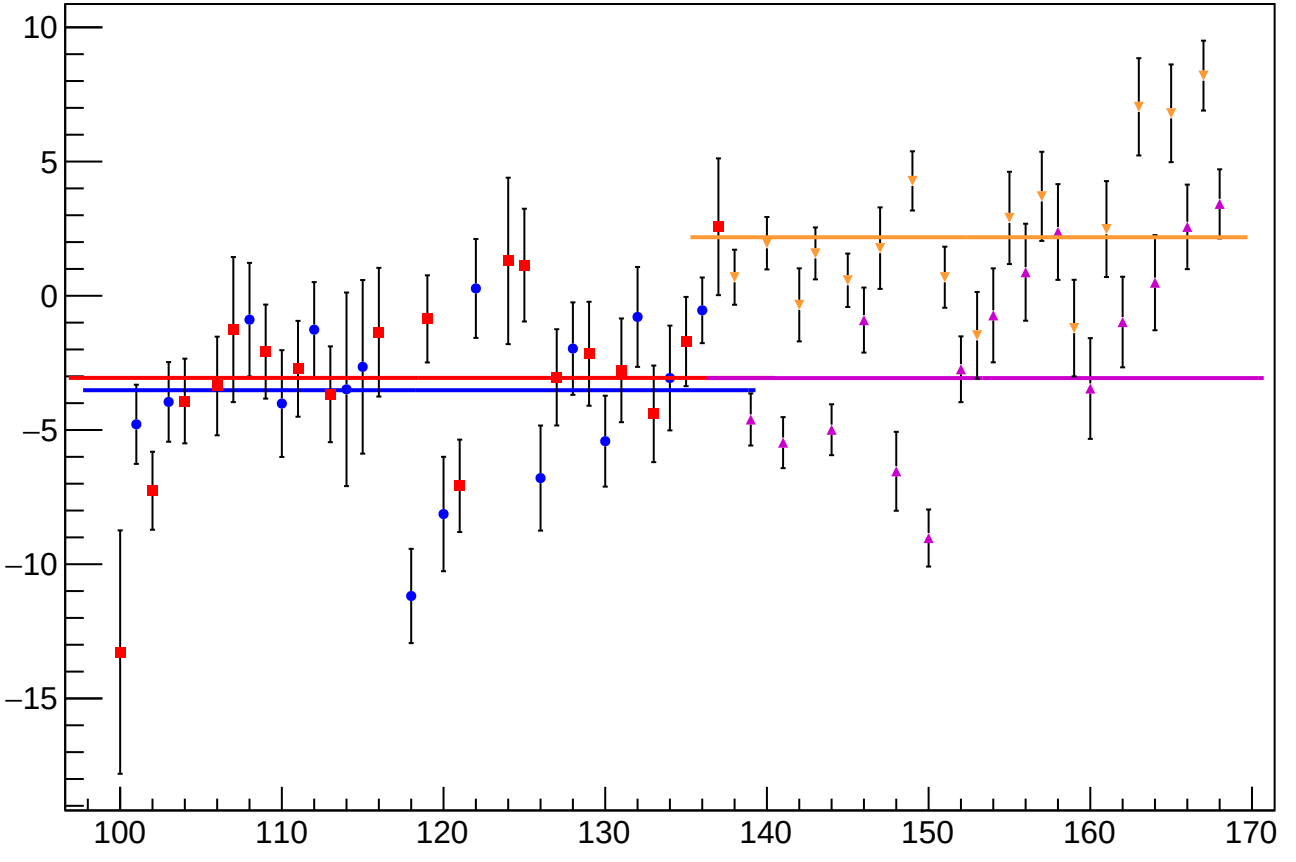
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6317.254+/-1.020 χ^2/NDF:612344.3/30

Out: 6278.873+/-1.000 χ^2/NDF:569929.2/34

All: 6297.675+/-0.714 χ^2/NDF: 1182995.3/65

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.180+/-0.324 χ^2/NDF:58.7/15

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -3.066+/-0.335 χ^2/NDF:113.0/14

Left: -0.348+/-0.233 χ^2/NDF: 298.4/30

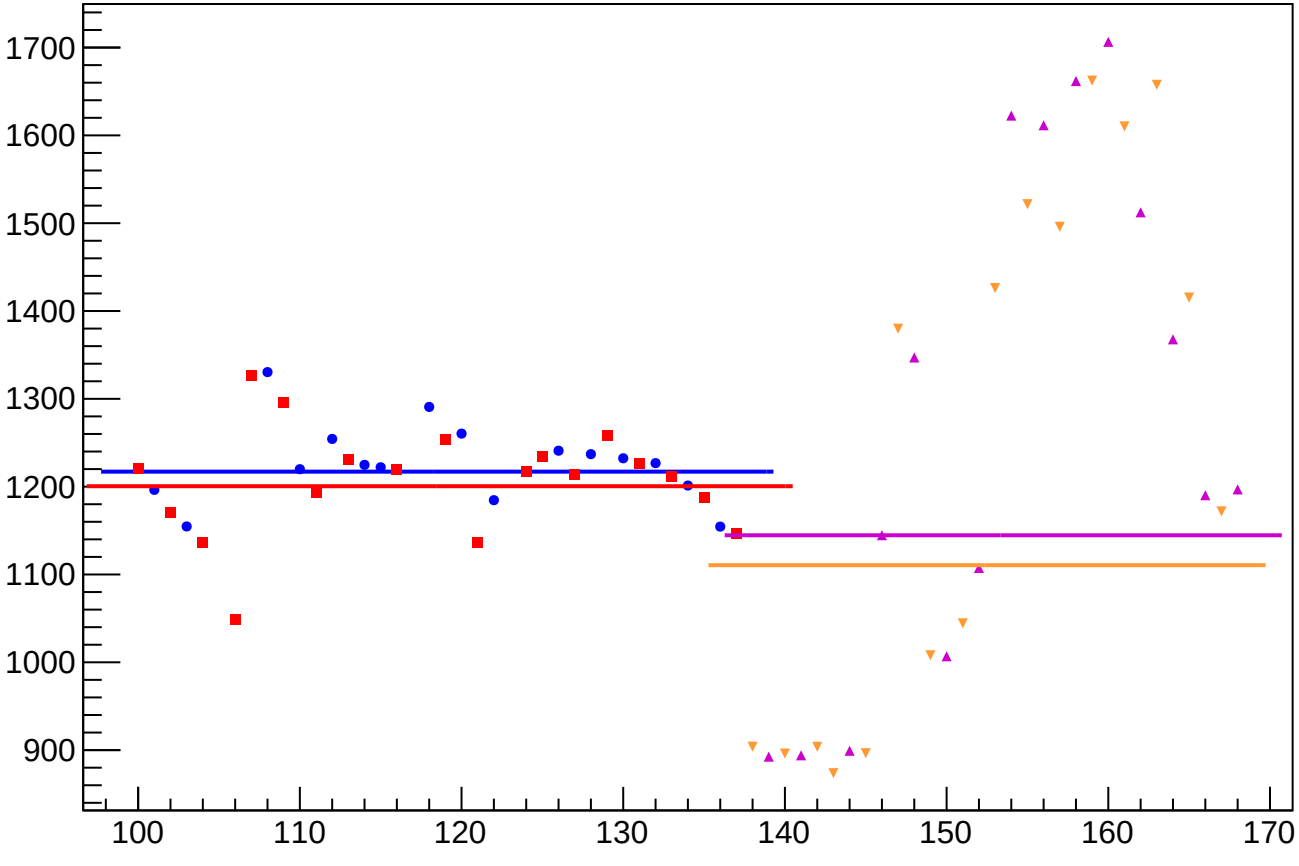
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.226+/-0.269 χ^2/NDF:158.7/30

Out: 0.332+/-0.260 χ^2/NDF:186.0/34

All: -1.385+/-0.187 χ^2/NDF: 434.9/65

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1110.588+/-0.229 χ^2/NDF:1409517.1/15

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1144.664+/-0.237 χ^2/NDF:1243228.6/14

Left: 1127.009+/-0.165 χ^2/NDF: 2663437.0/30

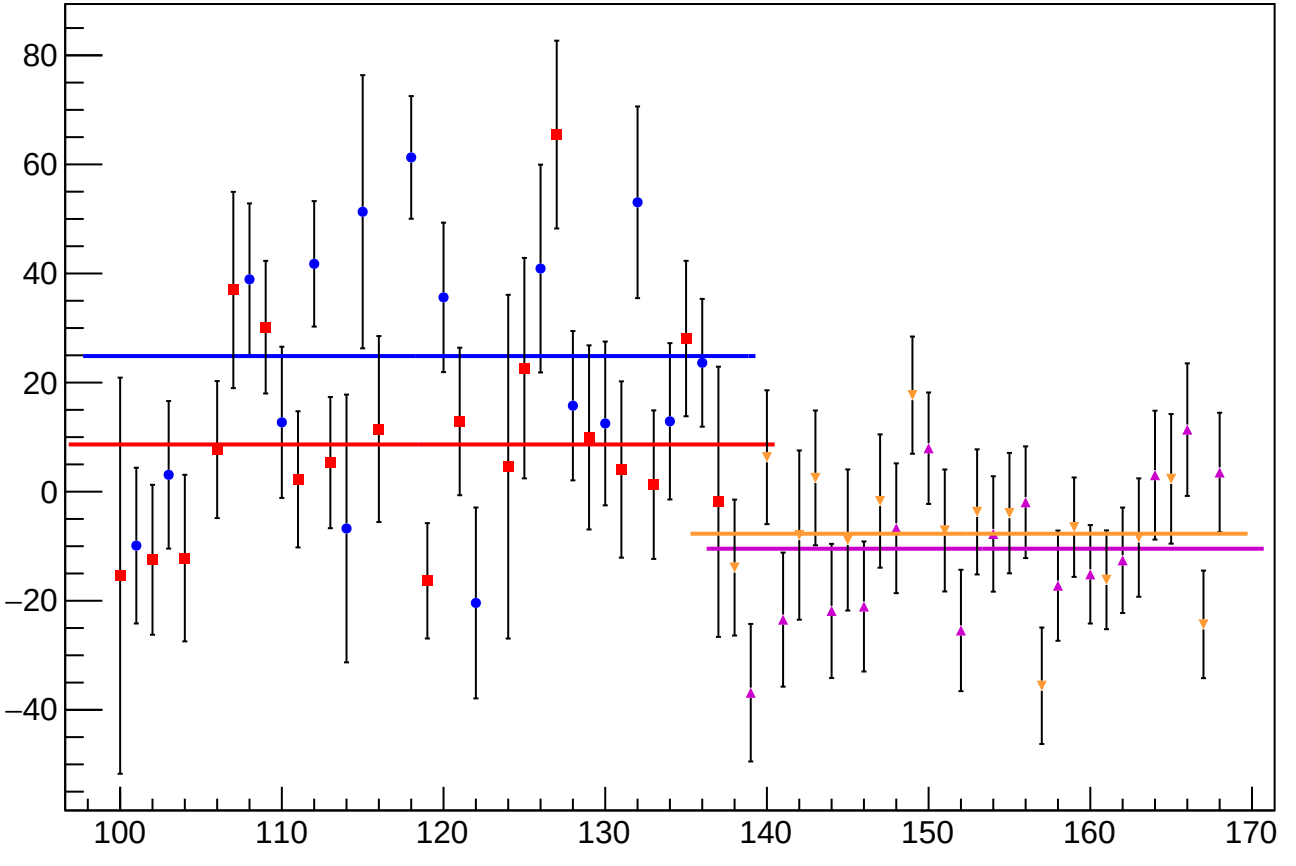
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1170.360+/-0.191 χ^2/NDF:1297991.6/30

Out: 1142.296+/-0.184 χ^2/NDF:1501638.8/34

All: 1155.843+/-0.132 χ^2/NDF: 2810851.9/65

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -7.708+/-2.797 χ^2/NDF:19.6/15

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -10.462+/-2.831 χ^2/NDF:20.0/14

Left: -9.068+/-1.990 χ^2/NDF: 40.1/30

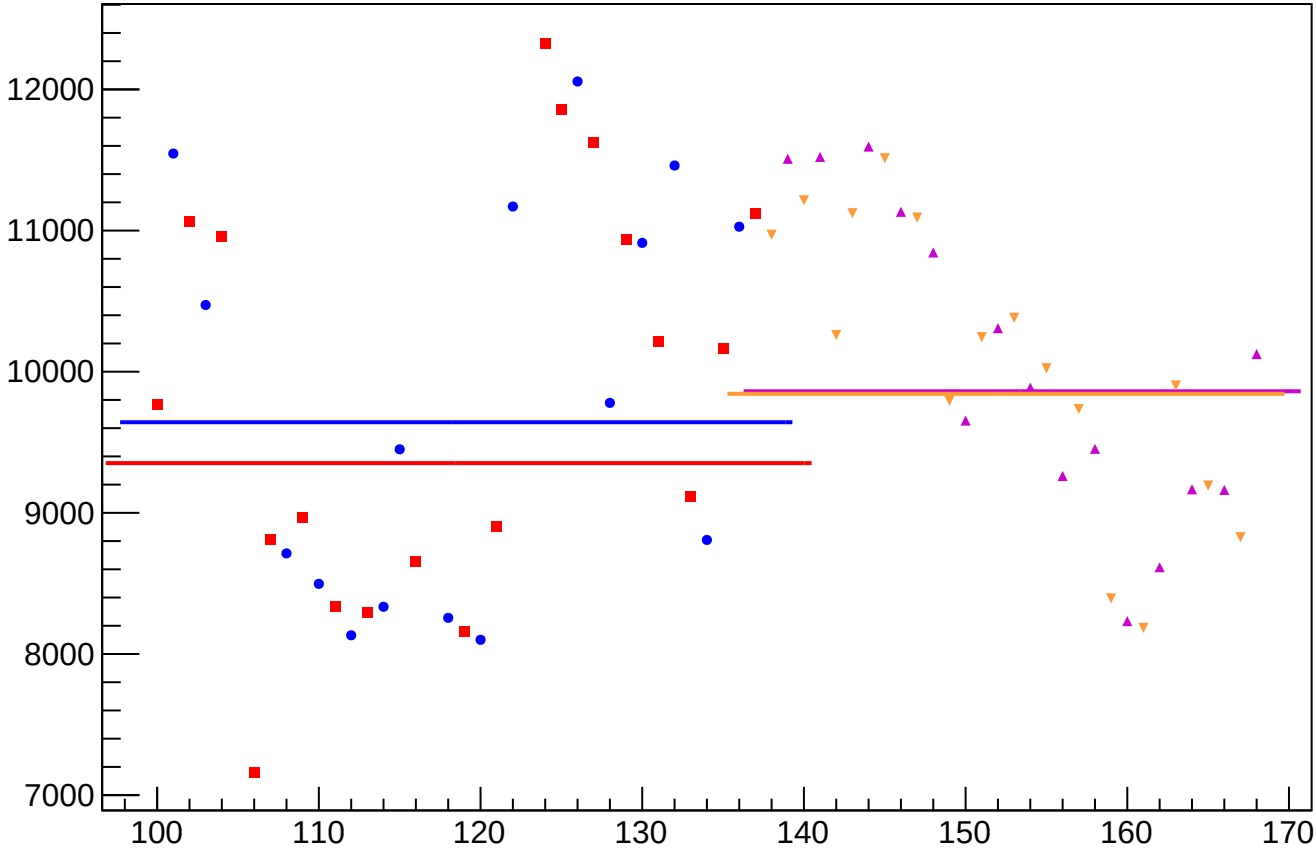
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.906+/-2.232 χ^2/NDF:117.1/30

Out: -1.224+/-2.174 χ^2/NDF:63.3/34

All: 0.786+/-1.557 χ^2/NDF: 182.1/65

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9843.573+/-1.978 χ^2/NDF:271120.5/15

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9861.470+/-2.002 χ^2/NDF:274057.5/14

Left: 9852.415+/-1.407 χ^2/NDF: 545218.4/30

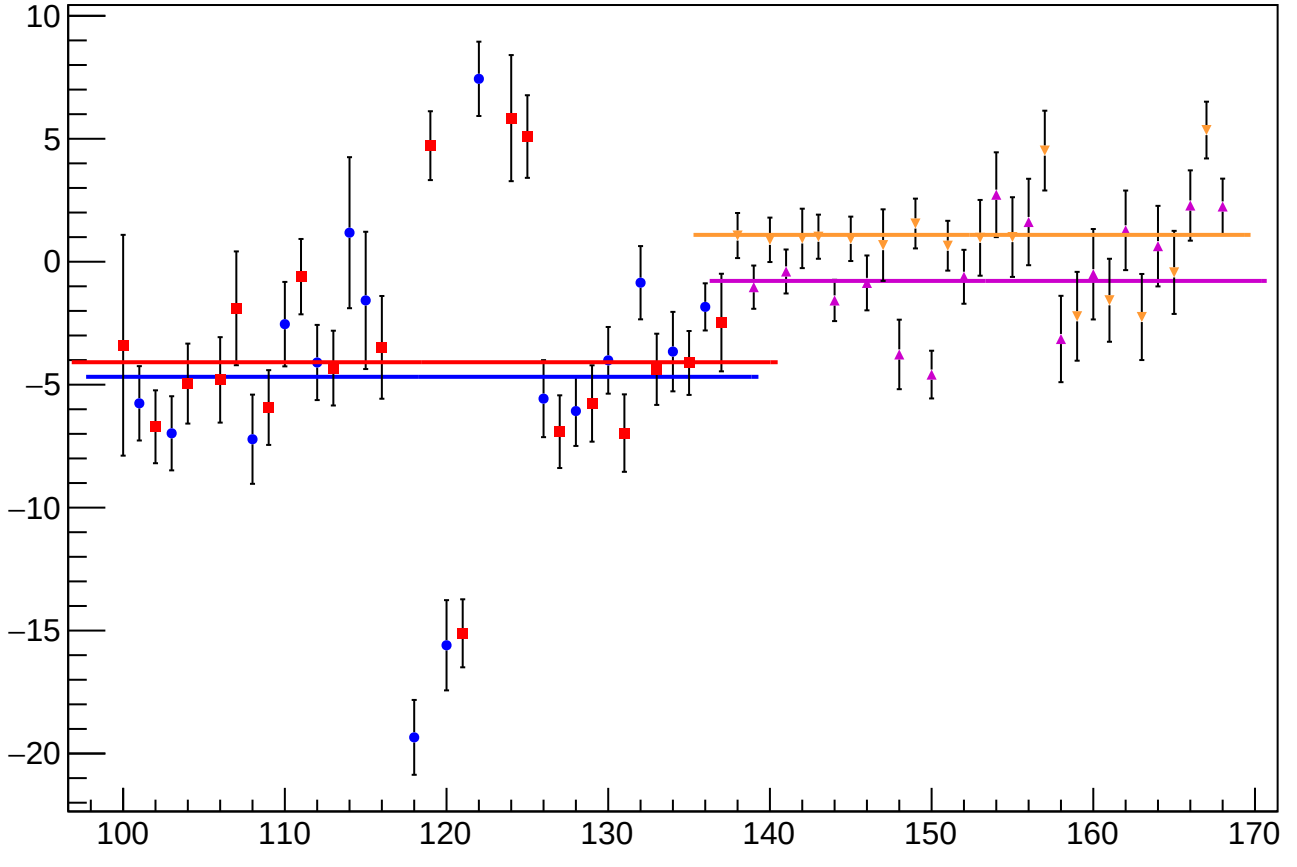
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9778.441+/-1.578 χ^2/NDF:558261.1/30

Out: 9649.027+/-1.537 χ^2/NDF:597315.2/34

All: 9712.030+/-1.101 χ^2/NDF: 1159027.2/65

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.092+/-0.298 χ^2/NDF:29.0/15

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.780+/-0.309 χ^2/NDF:43.0/14

Left: 0.190+/-0.215 χ^2/NDF: 91.0/30

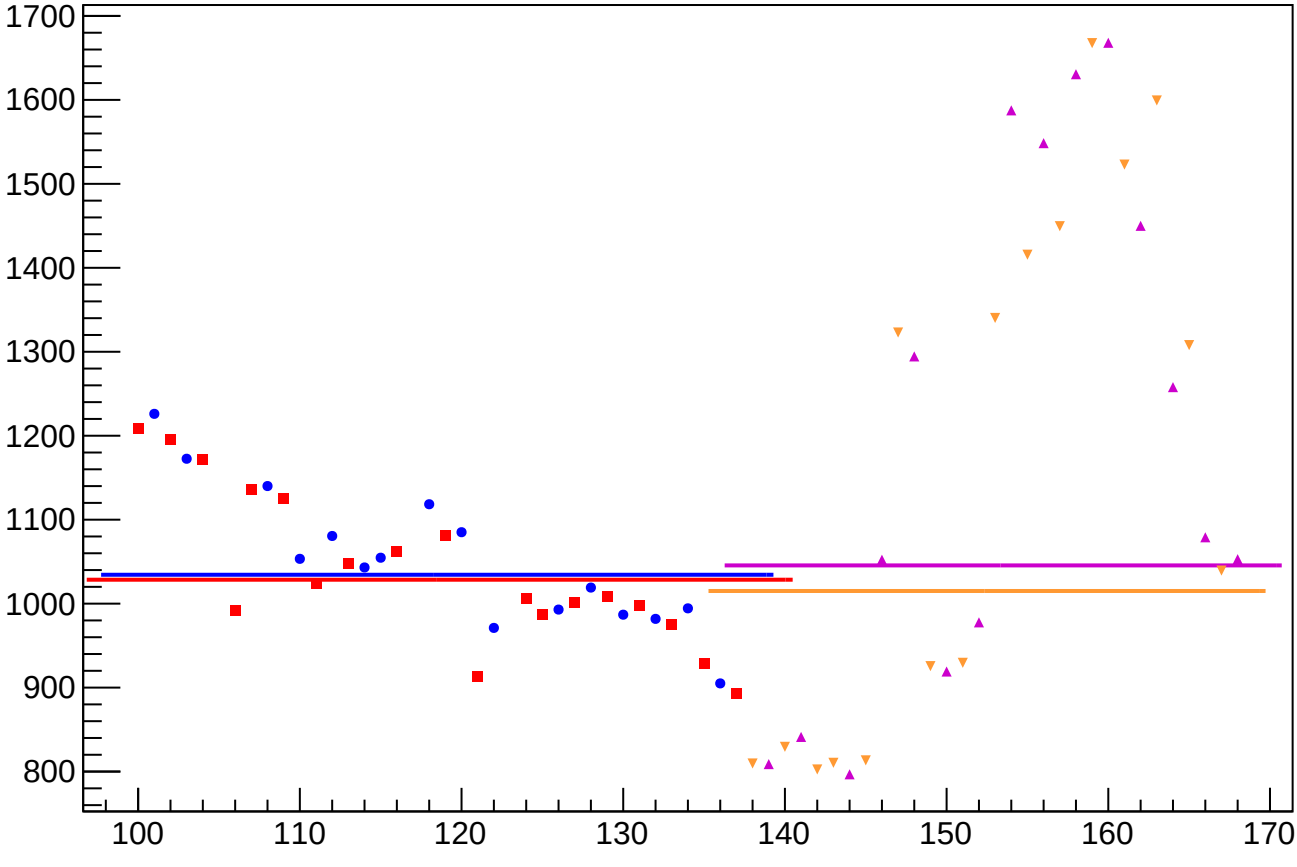
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.306+/-0.241 χ^2/NDF:326.4/30

Out: -0.904+/-0.234 χ^2/NDF:313.4/34

All: -1.582+/-0.168 χ^2/NDF: 657.2/65

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1015.079+/-0.211 χ^2/NDF:1650907.5/15

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1045.538+/-0.219 χ^2/NDF:1500939.3/14

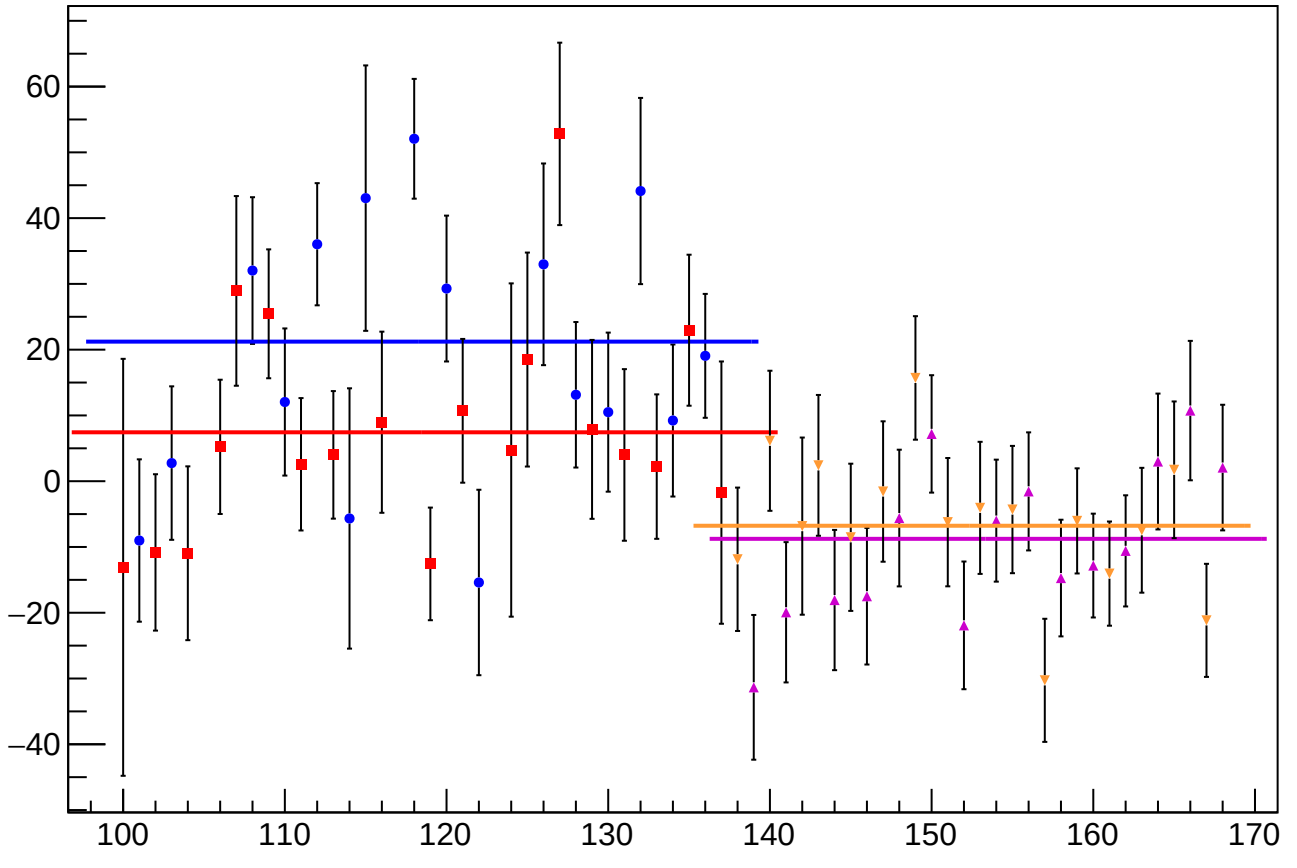
Left: 1029.752+/-0.152 χ^2/NDF: 3161910.1/30

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1041.184+/-0.171 χ^2/NDF:1615232.8/30

Out: 1020.251+/-0.165 χ^2/NDF:1754095.4/34

All: 1030.383+/-0.119 χ^2/NDF: 3377098.0/65



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -6.773+/-2.443 χ^2/NDF:19.2/15

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -8.763+/-2.472 χ^2/NDF:19.4/14

Left: -7.756+/-1.738 χ^2/NDF: 38.9/30

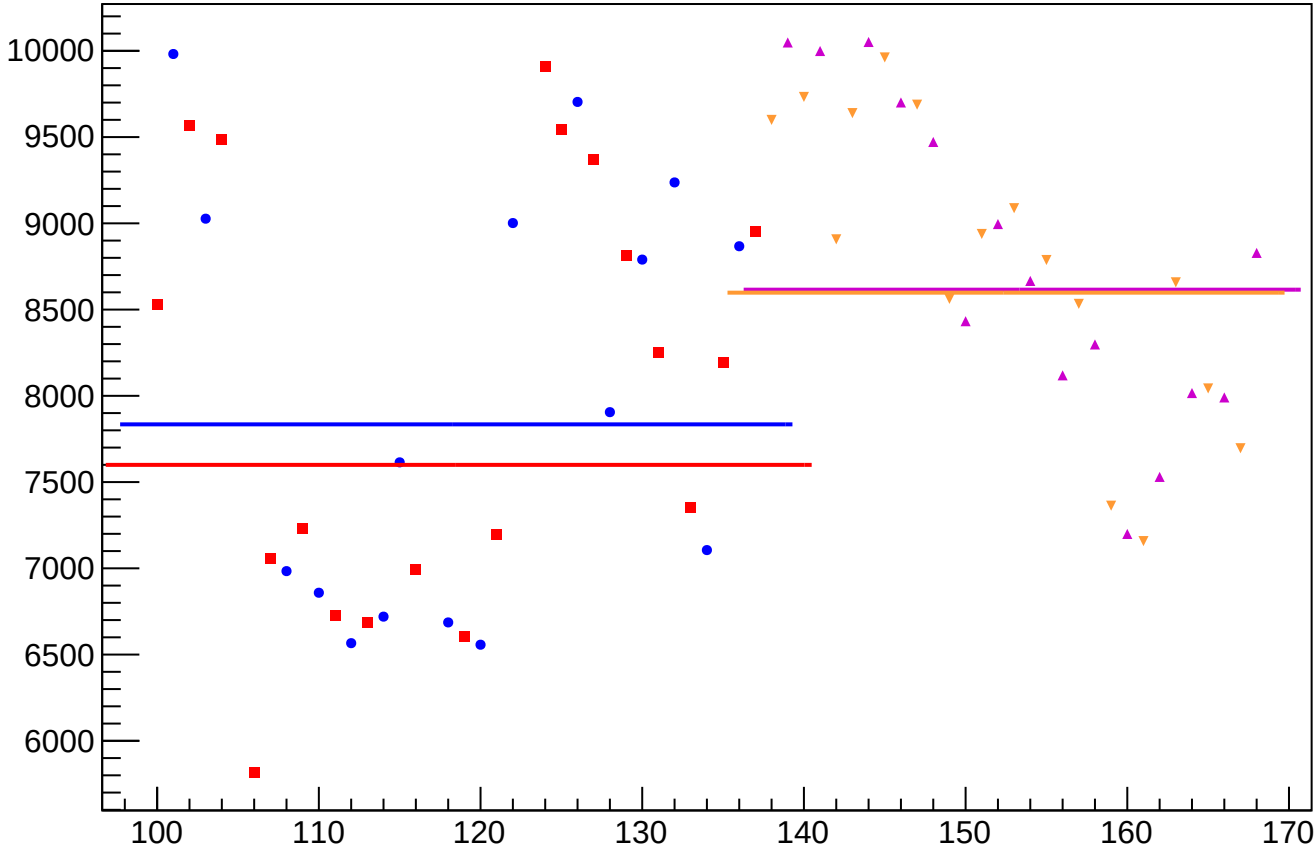
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 3.600+/-1.895 χ^2/NDF:120.1/30

Out: -0.658+/-1.844 χ^2/NDF:63.6/34

All: 1.412+/-1.322 χ^2/NDF: 186.2/65

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8598.119+/-1.727 χ^2/NDF:259859.9/15

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8615.405+/-1.748 χ^2/NDF:263988.4/14

Left: 8606.658+/-1.229 χ^2/NDF: 523897.8/30

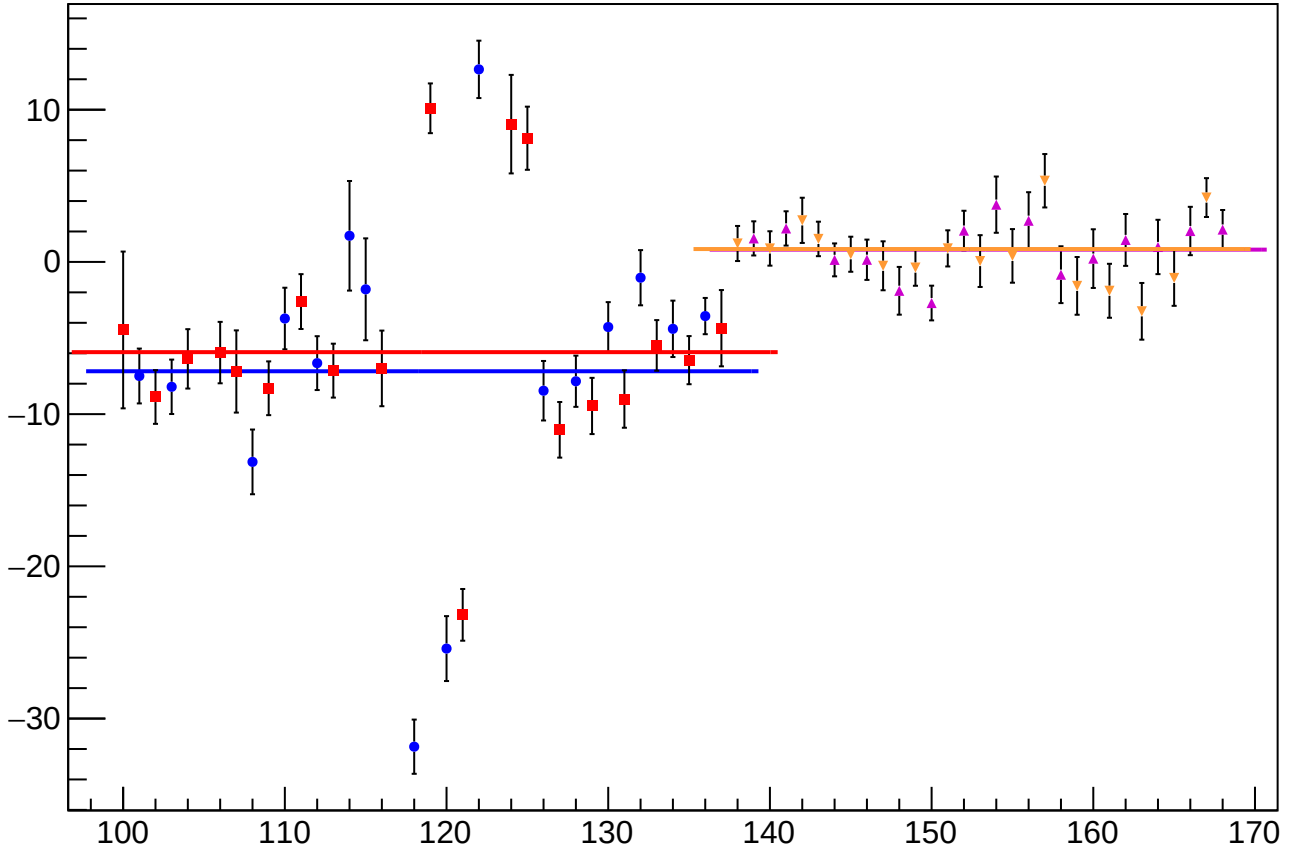
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8293.480+/-1.340 χ^2/NDF:664315.9/30

Out: 8168.427+/-1.304 χ^2/NDF:747931.2/34

All: 8229.225+/-0.934 χ^2/NDF: 1416720.5/65

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.846+/-0.351 χ^2/NDF:27.4/15

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.808+/-0.364 χ^2/NDF:22.2/14

Left: 0.827+/-0.253 χ^2/NDF: 49.6/30

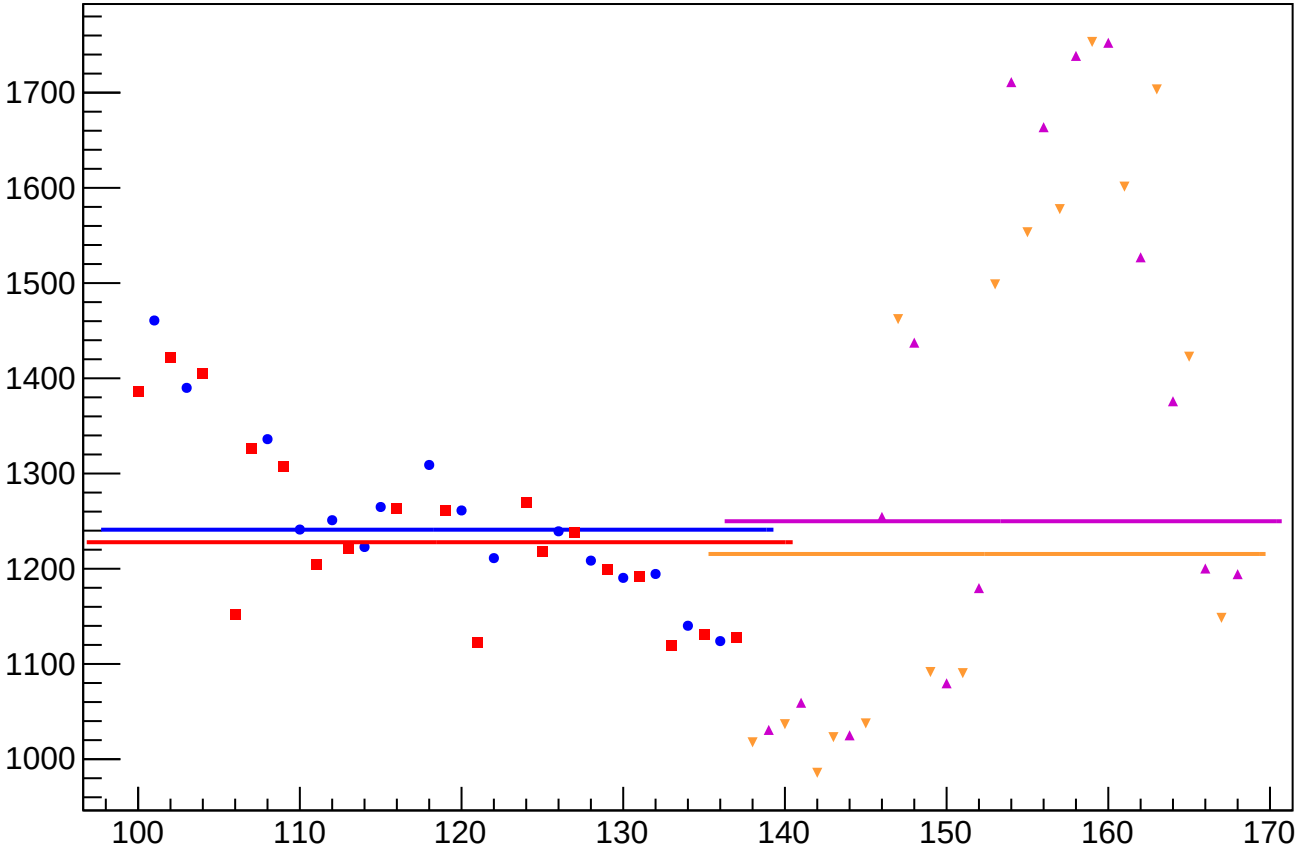
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.245+/-0.286 χ^2/NDF:629.0/30

Out: -1.724+/-0.277 χ^2/NDF:458.9/34

All: -1.976+/-0.199 χ^2/NDF: 1089.7/65

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.519+/-0.248 χ^2/NDF:991028.9/15

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1249.895+/-0.257 χ^2/NDF:862601.3/14

Left: 1232.112+/-0.179 χ^2/NDF: 1862880.7/30

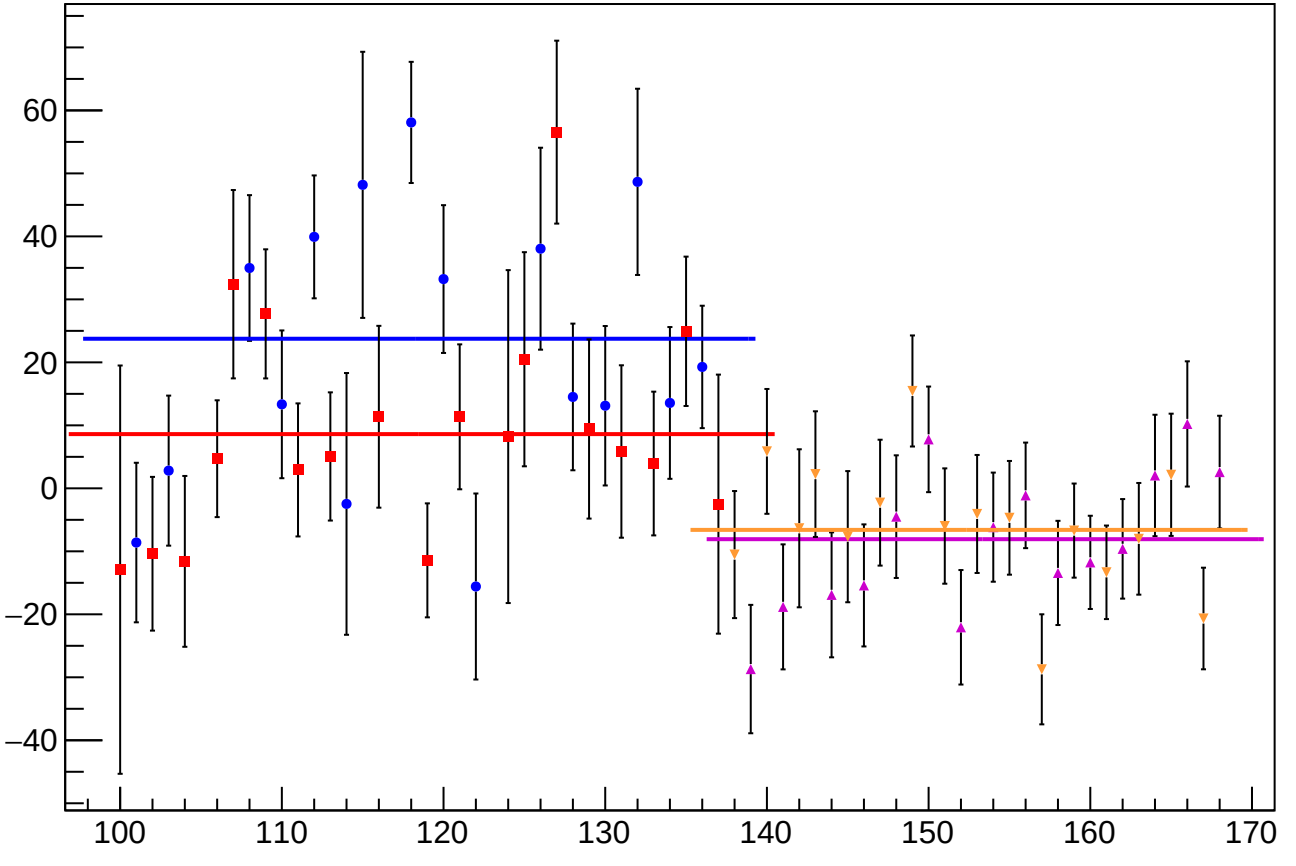
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1246.499+/-0.202 χ^2/NDF:943711.5/30

Out: 1220.202+/-0.196 χ^2/NDF:1074305.8/34

All: 1232.924+/-0.141 χ^2/NDF: 2026759.2/65

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -6.597+/-2.282 χ^2/NDF:20.2/15

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -8.073+/-2.311 χ^2/NDF:20.1/14

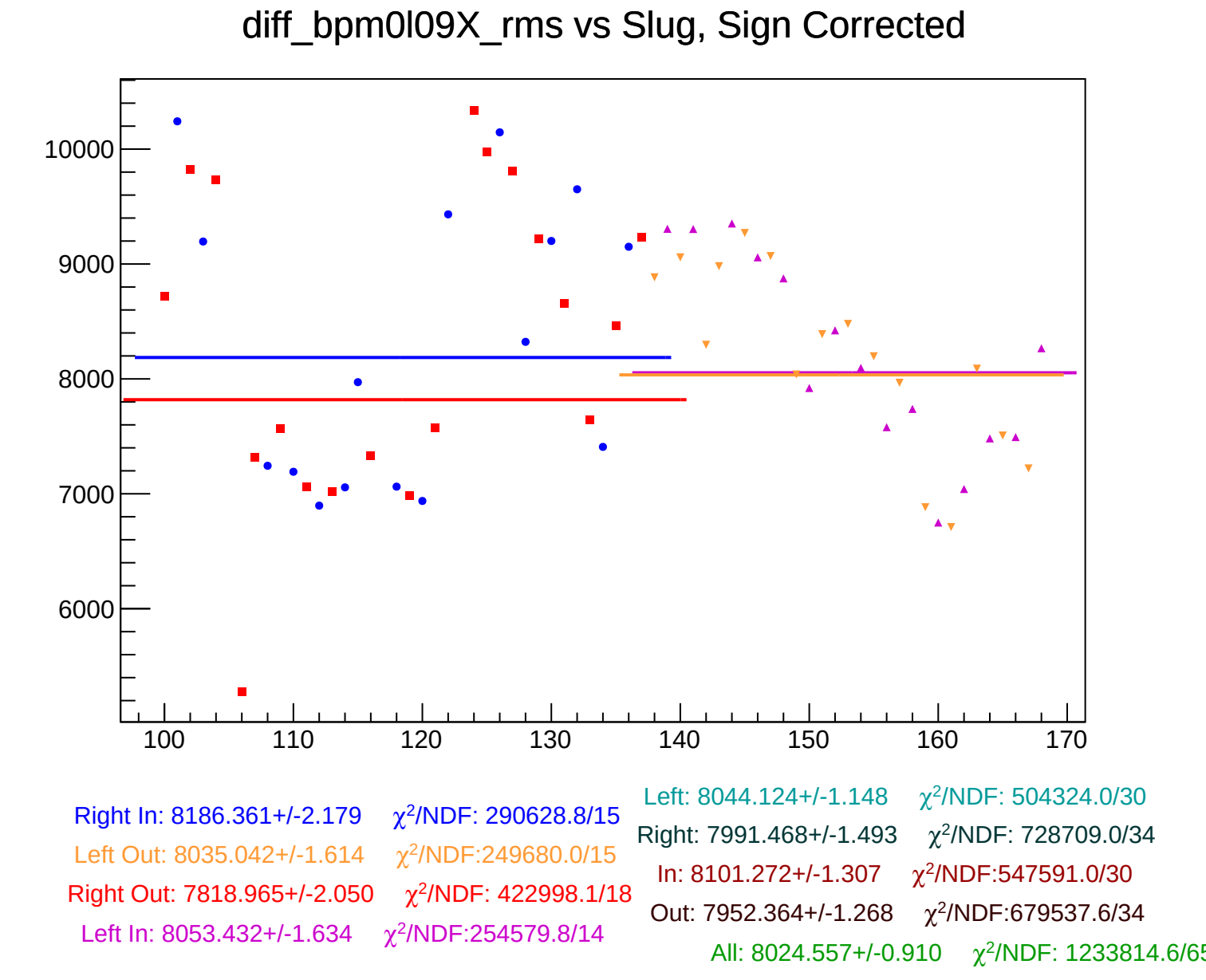
Left: -7.326+/-1.624 χ^2/NDF: 40.5/30

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

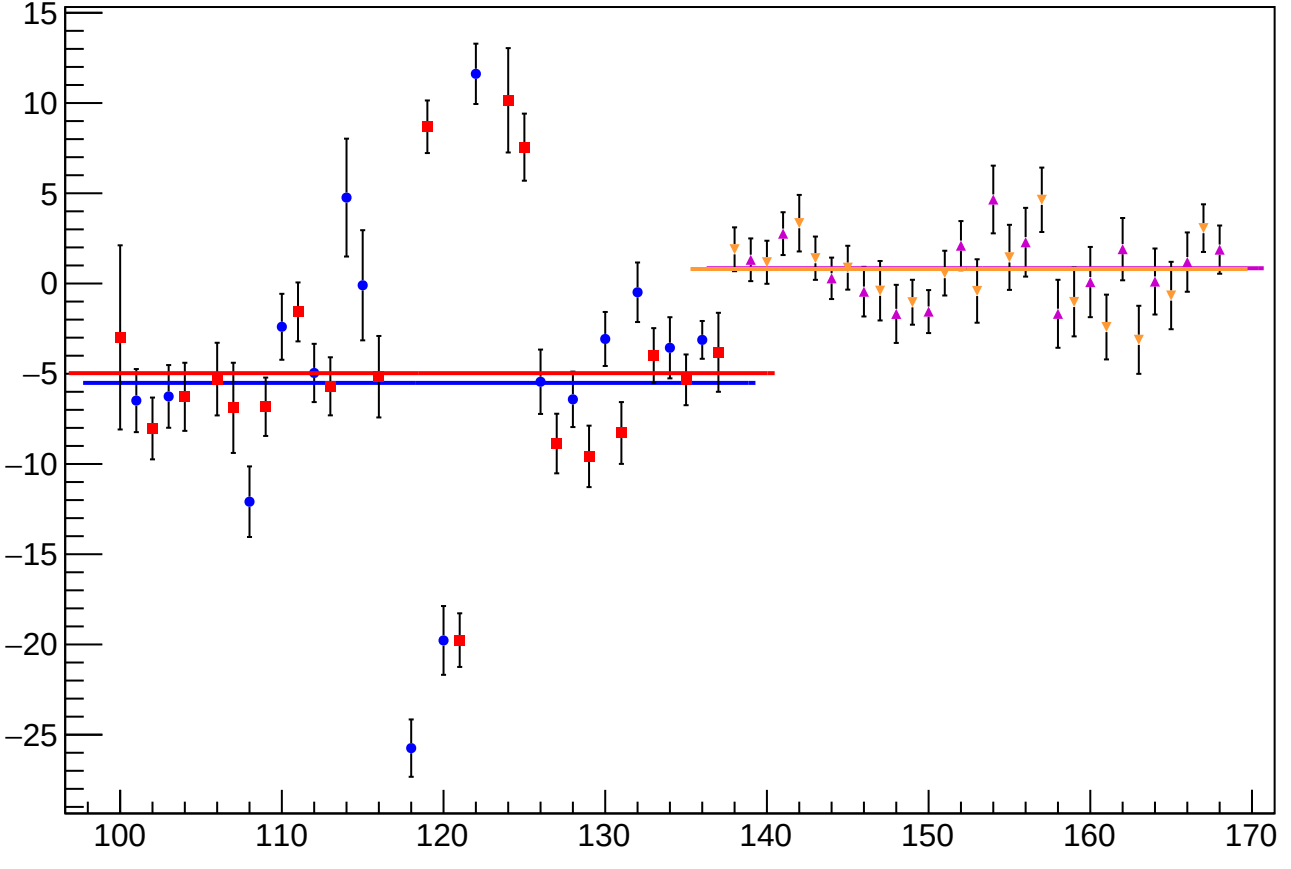
In: 3.380+/-1.849 χ^2/NDF:131.8/30

Out: -0.778+/-1.793 χ^2/NDF:67.7/34

All: 1.237+/-1.287 χ^2/NDF: 202.0/65


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8035.042+/-1.614 χ²/NDF:249680.0/15
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8053.432+/-1.634 χ²/NDF:254579.8/14
Left: 8044.124+/-1.148 χ²/NDF: 504324.0/30
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8101.272+/-1.307 χ²/NDF:547591.0/30
Out: 7952.364+/-1.268 χ²/NDF:679537.6/34
All: 8024.557+/-0.910 χ²/NDF: 1233814.6/65

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.804+/-0.365 χ^2/NDF:23.8/15

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.846+/-0.378 χ^2/NDF:19.1/14

Left: 0.824+/-0.263 χ^2/NDF: 42.9/30

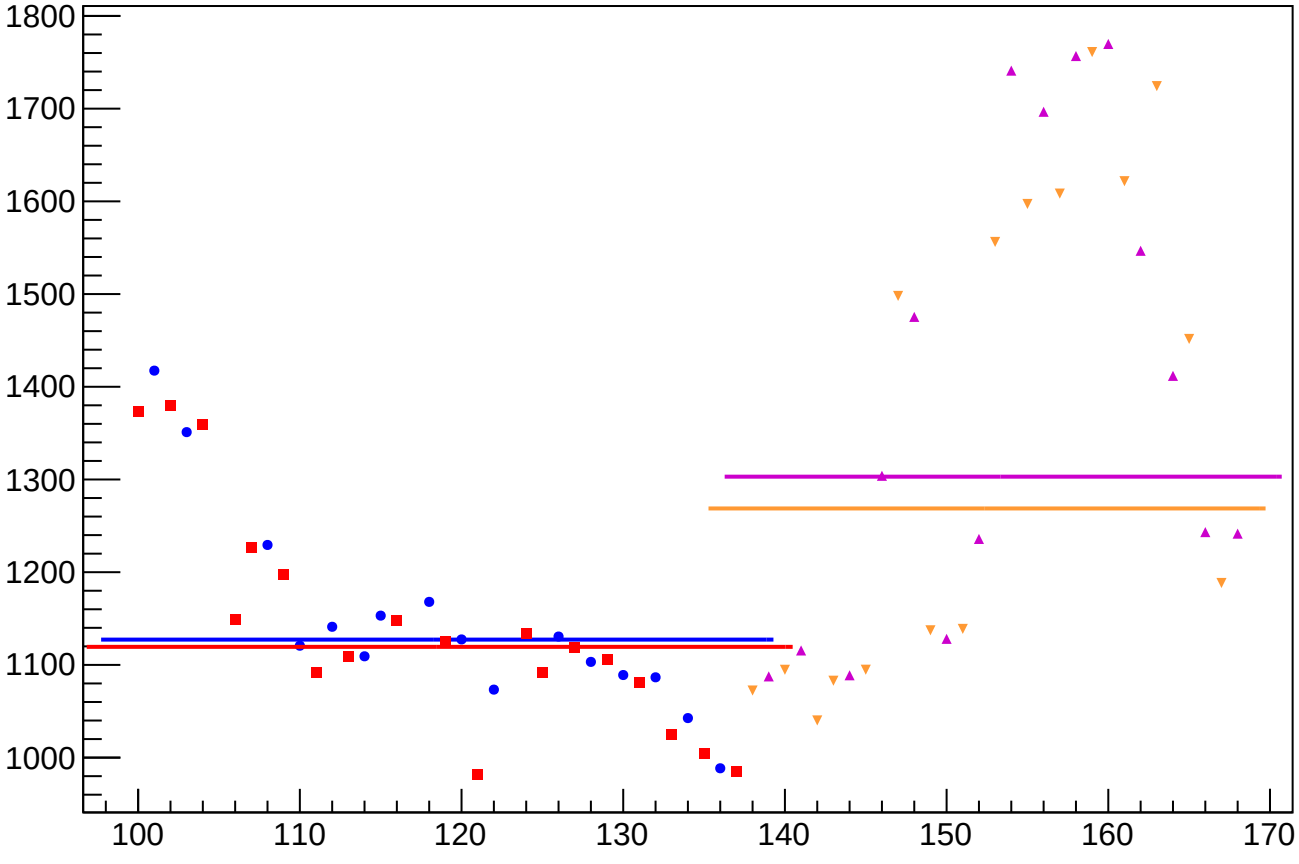
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.987+/-0.281 χ^2/NDF:515.1/30

Out: -1.747+/-0.273 χ^2/NDF:421.5/34

All: -1.863+/-0.196 χ^2/NDF: 936.9/65

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1268.749+/-0.258 χ^2/NDF:855961.9/15

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1303.041+/-0.267 χ^2/NDF:736002.9/14

Left: 1285.320+/-0.186 χ^2/NDF: 1600486.2/30

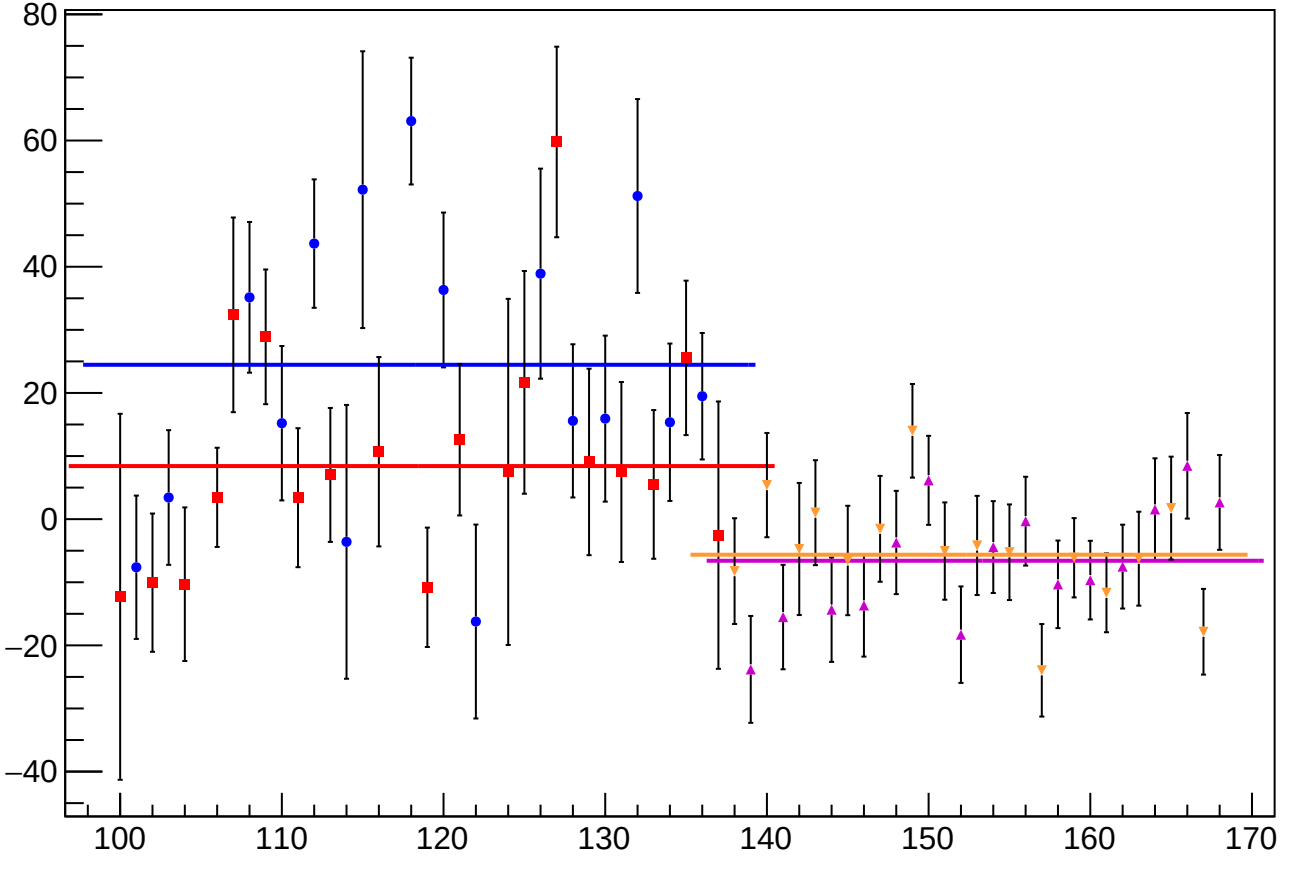
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1224.651+/-0.199 χ^2/NDF:1069819.3/30

Out: 1202.770+/-0.193 χ^2/NDF:1144392.6/34

All: 1213.384+/-0.138 χ^2/NDF: 2220452.6/65

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -5.637+/-1.914 χ^2/NDF:21.1/15

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -6.592+/-1.939 χ^2/NDF:19.9/14

Left: -6.109+/-1.362 χ^2/NDF: 41.0/30

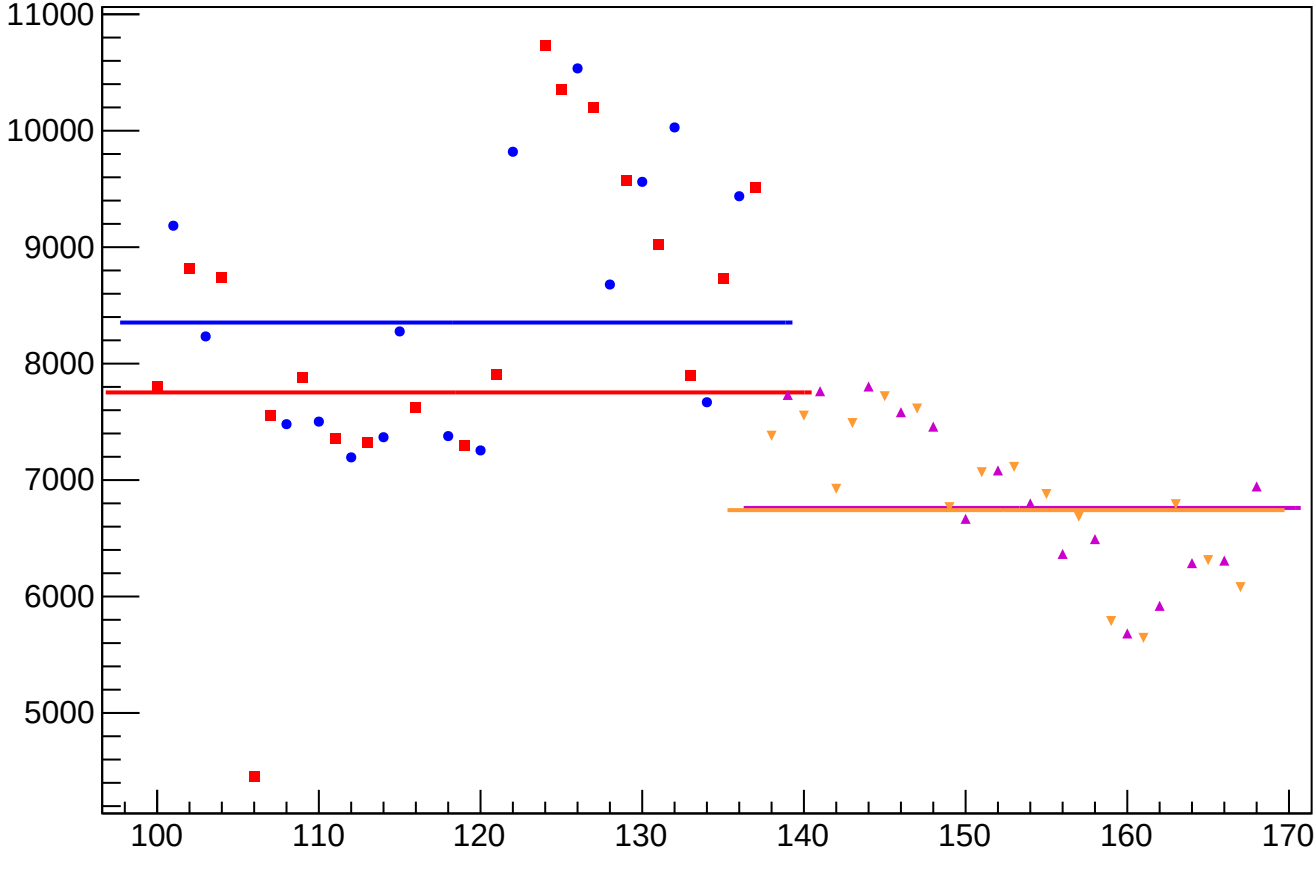
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.995+/-1.649 χ^2/NDF:139.1/30

Out: -1.355+/-1.596 χ^2/NDF:68.6/34

All: 0.266+/-1.147 χ^2/NDF: 209.9/65

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.913+/-1.354 χ^2/NDF:235792.0/15

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6760.615+/-1.371 χ^2/NDF:241506.1/14

Left: 6751.144+/-0.963 χ^2/NDF: 477392.4/30

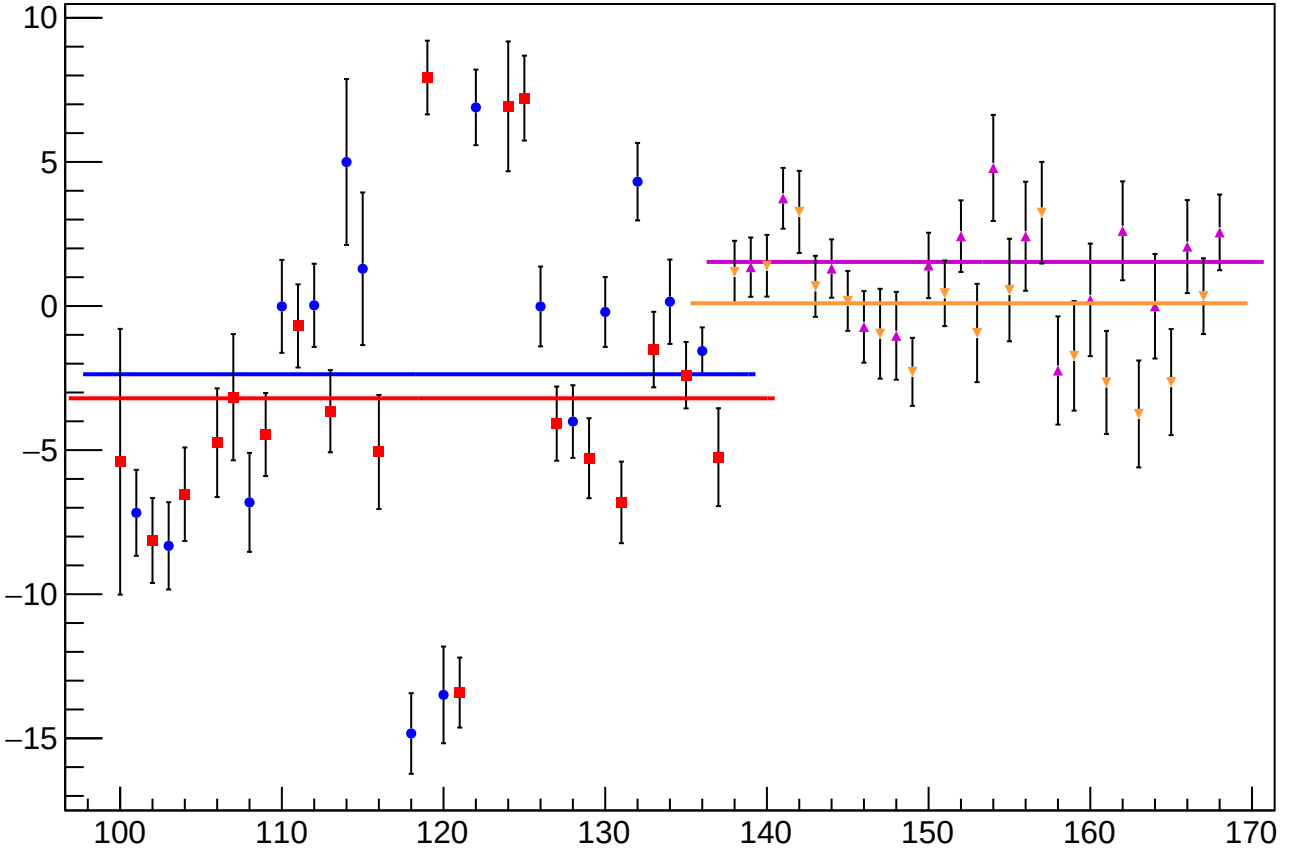
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7200.888+/-1.166 χ^2/NDF:834845.4/30

Out: 7050.011+/-1.129 χ^2/NDF:993823.4/34

All: 7122.983+/-0.811 χ^2/NDF: 1837312.3/65

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.096+/-0.340 χ^2/NDF:25.8/15

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.531+/-0.352 χ^2/NDF:20.8/14

Left: 0.787+/-0.245 χ^2/NDF: 55.2/30

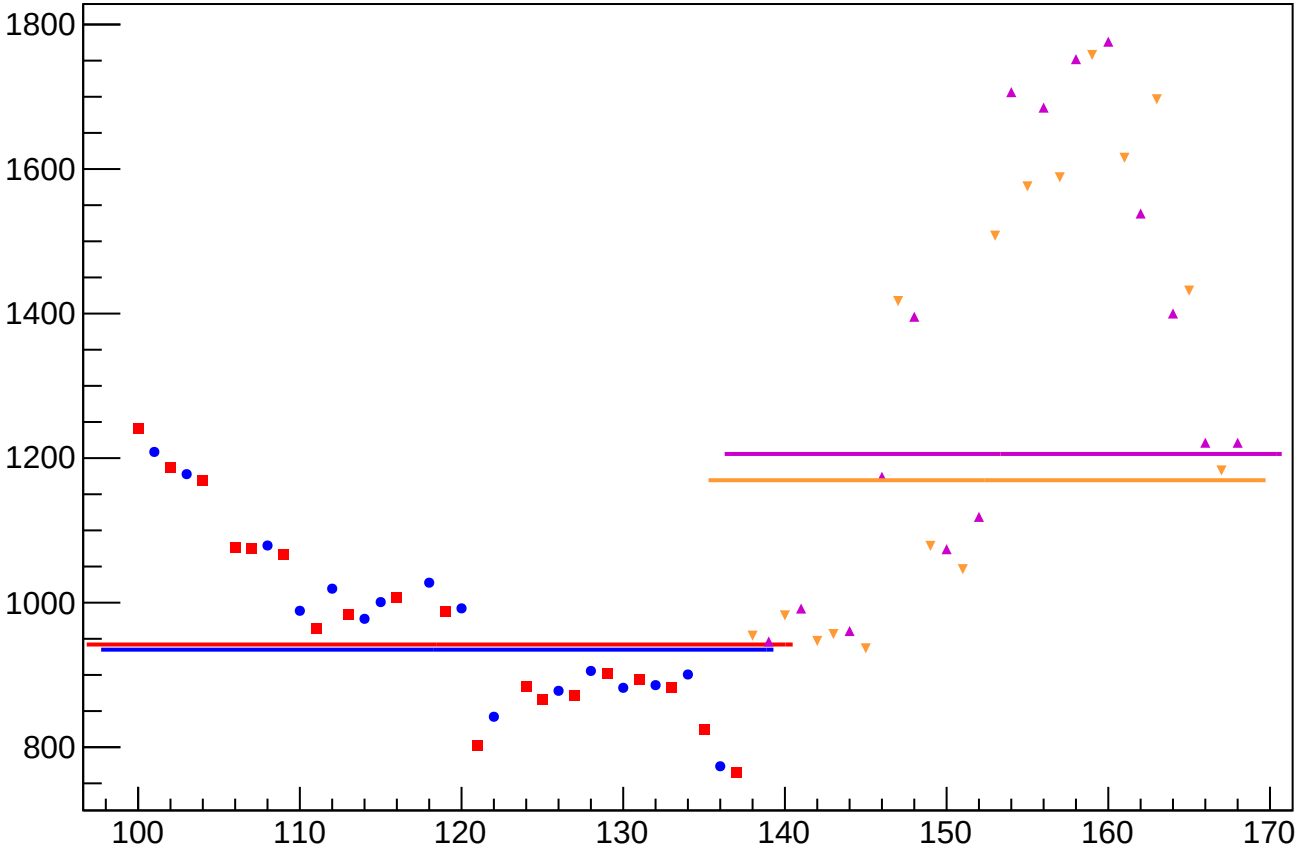
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.429+/-0.249 χ^2/NDF:337.9/30

Out: -1.520+/-0.242 χ^2/NDF:322.6/34

All: -0.988+/-0.174 χ^2/NDF: 670.3/65

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1169.422+/-0.240 χ^2/NDF:1270077.7/15

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1205.769+/-0.249 χ^2/NDF:1110795.5/14

Left: 1186.919+/-0.173 χ^2/NDF: 2391905.6/30

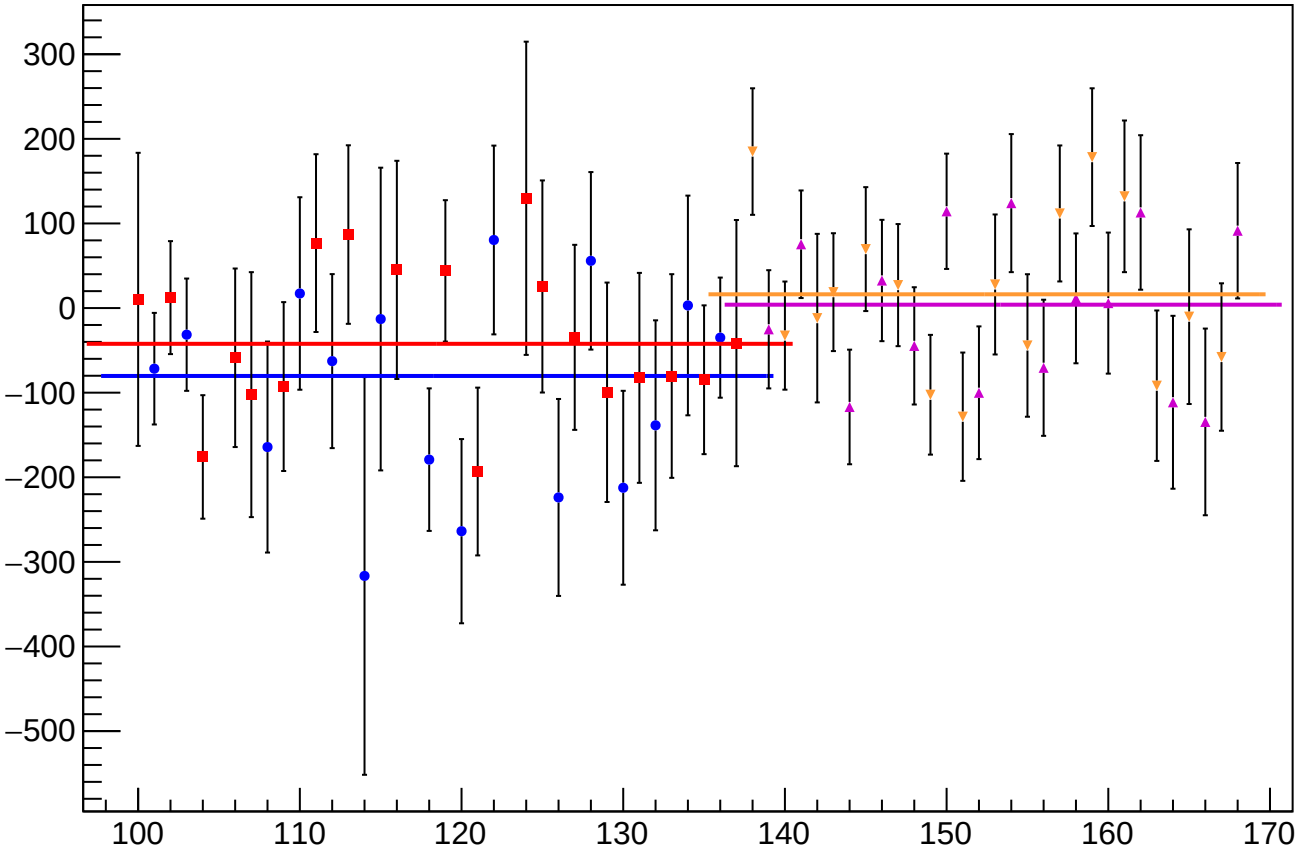
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1069.609+/-0.176 χ^2/NDF:1958863.6/30

Out: 1058.018+/-0.171 χ^2/NDF:1941840.5/34

All: 1063.671+/-0.123 χ^2/NDF: 3902933.3/65

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 16.267+/-19.795 χ^2/NDF:22.6/15

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 3.981+/-19.907 χ^2/NDF:18.2/14

Left: 10.159+/-14.036 χ^2/NDF: 41.0/30

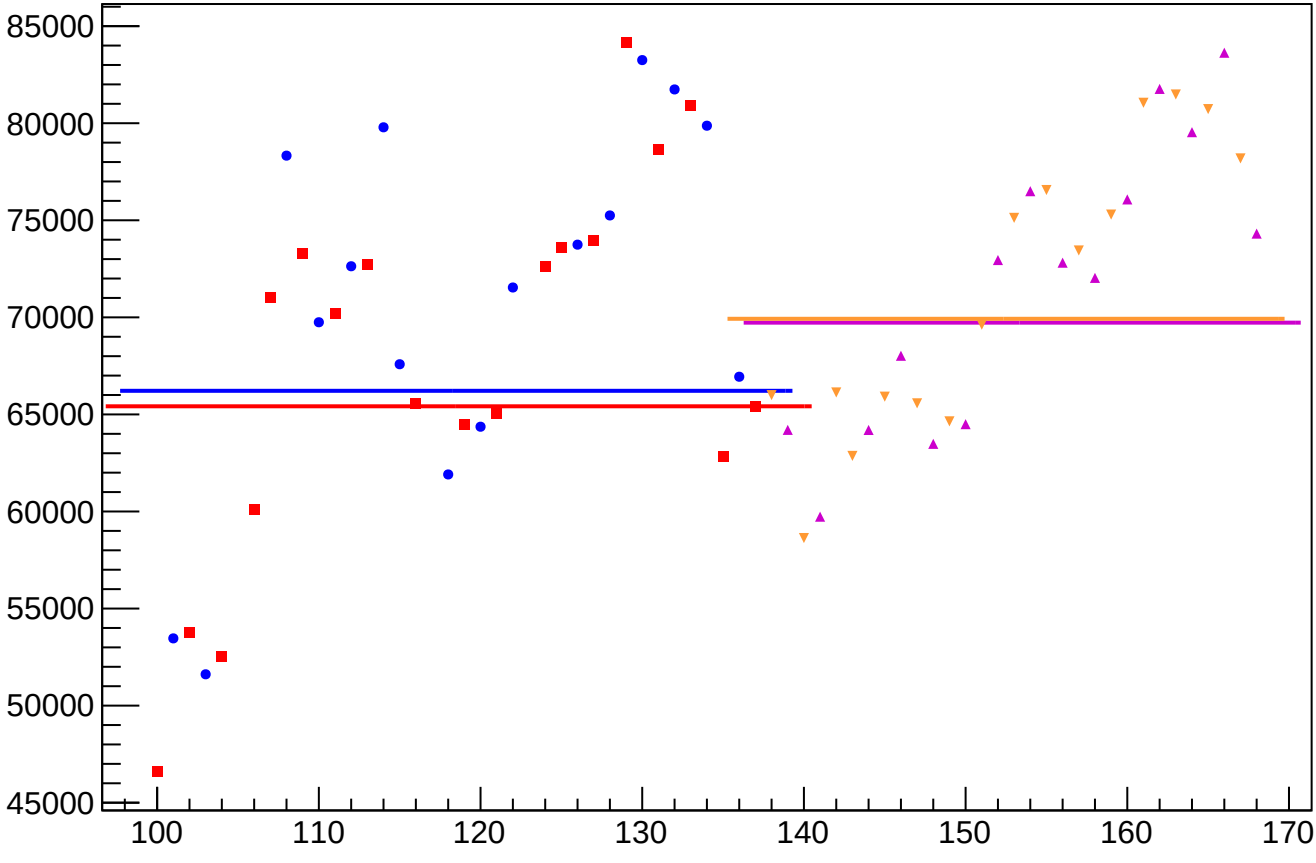
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -28.849+/-15.551 χ^2/NDF:39.9/30

Out: -7.260+/-15.308 χ^2/NDF:39.1/34

All: -17.885+/-10.909 χ^2/NDF: 80.0/65

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69925.933+/-13.997 χ^2/NDF:253257.0/15

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 69727.218+/-14.076 χ^2/NDF:229454.3/14

Left: 69827.136+/-9.925 χ^2/NDF: 482811.5/30

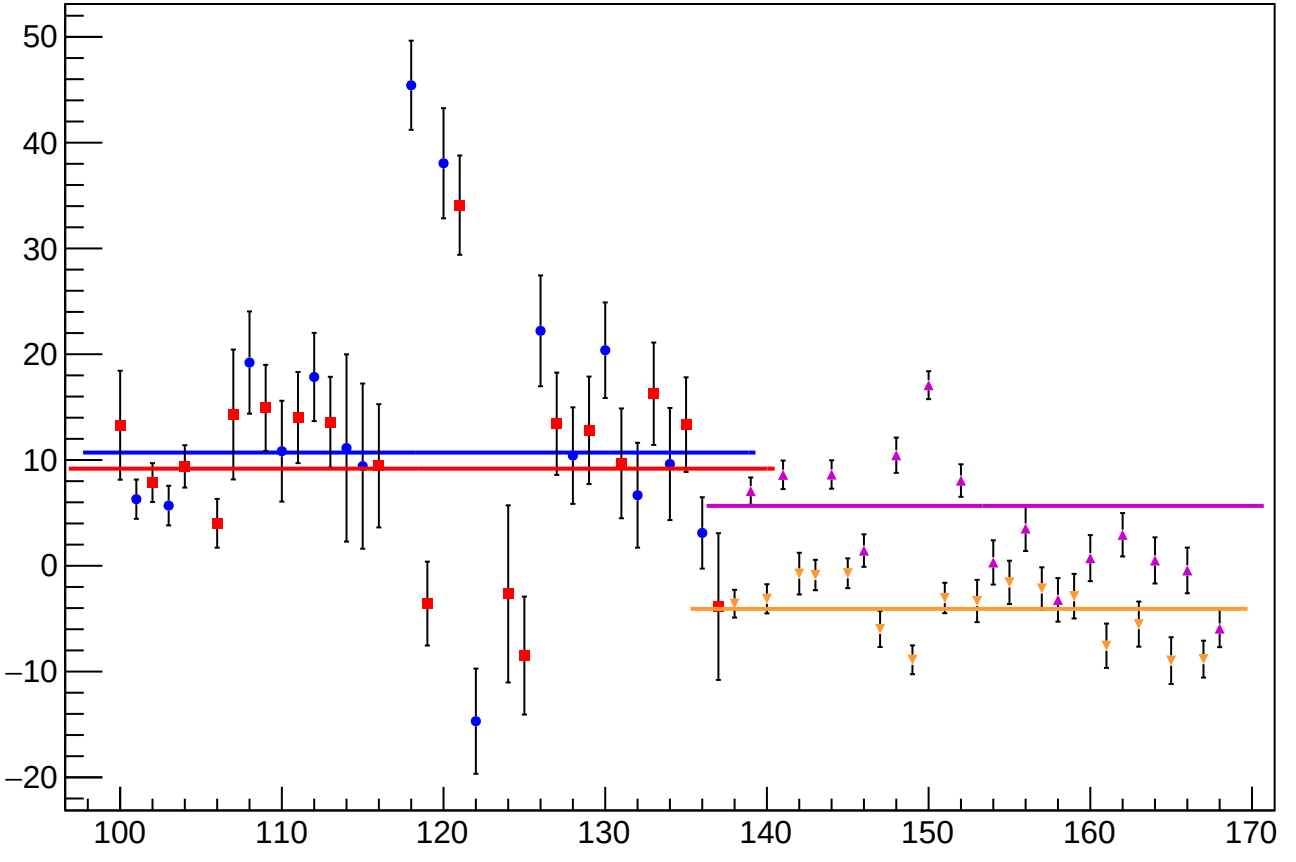
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68358.740+/-10.996 χ^2/NDF:592081.7/30

Out: 68114.103+/-10.824 χ^2/NDF:599497.1/34

All: 68234.496+/-7.714 χ^2/NDF: 1191830.2/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.073+/-0.420 χ^2/NDF:46.8/15

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 5.660+/-0.432 χ^2/NDF:194.0/14

Left: 0.665+/-0.301 χ^2/NDF: 501.9/30

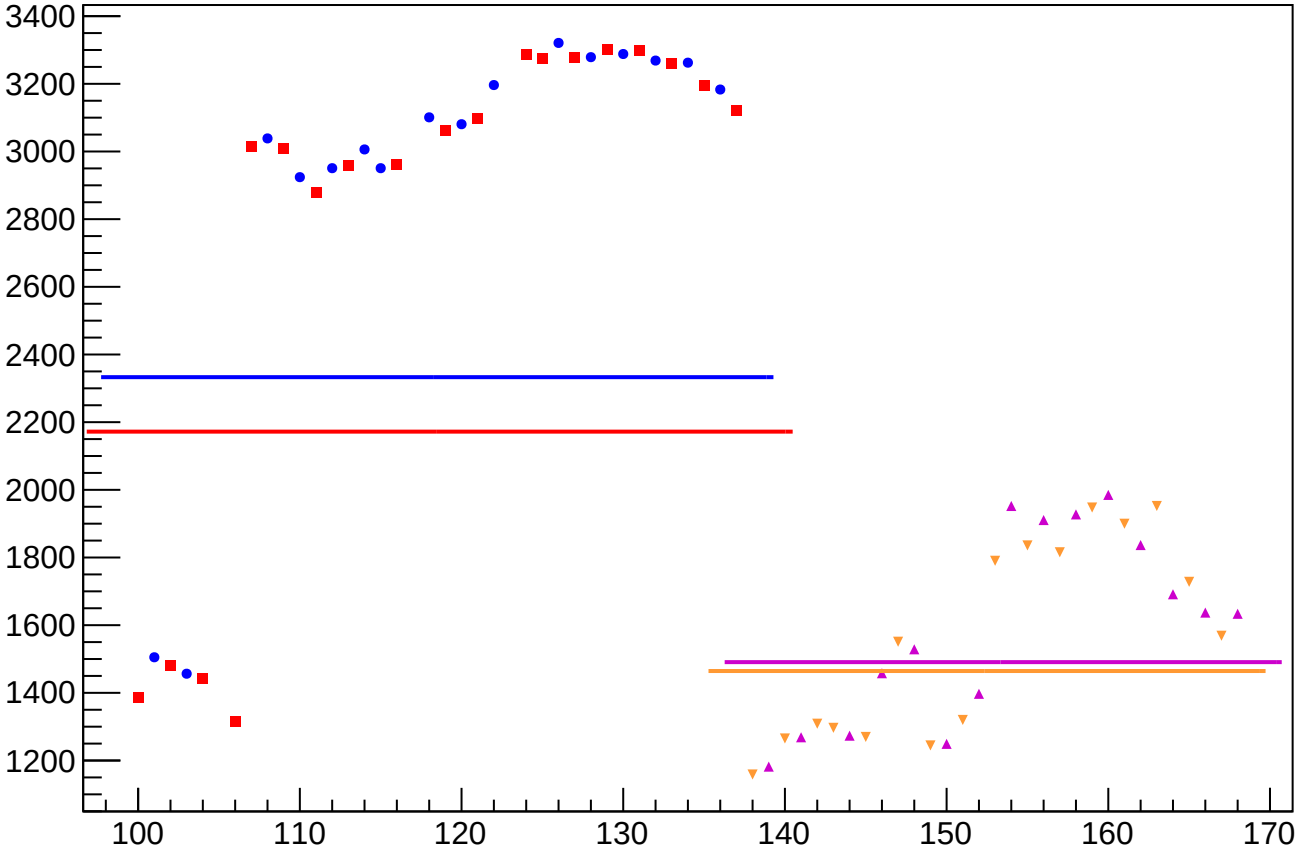
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 6.569+/-0.391 χ^2/NDF:374.2/30

Out: -1.470+/-0.377 χ^2/NDF:311.7/34

All: 2.403+/-0.271 χ^2/NDF: 905.3/65

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1464.505+/-0.297 χ^2/NDF:817824.6/15

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1490.776+/-0.305 χ^2/NDF:762680.3/14

Left: 1477.293+/-0.213 χ^2/NDF: 1584309.8/30

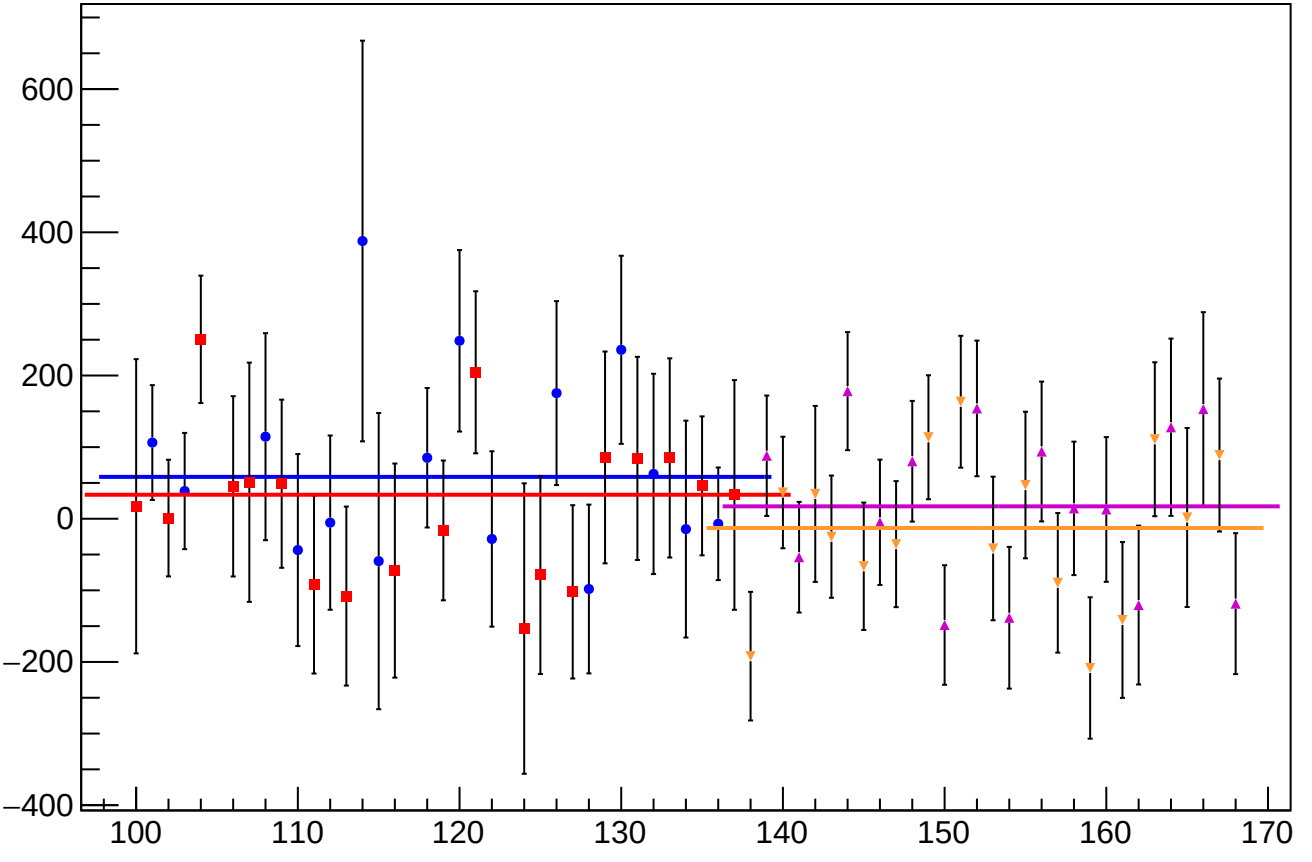
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1642.497+/-0.276 χ^2/NDF:3786714.4/30

Out: 1603.434+/-0.266 χ^2/NDF:3915330.4/34

All: 1622.254+/-0.192 χ^2/NDF: 7712405.1/65

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.922+/-24.080 χ^2/NDF:19.4/15

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 17.287+/-24.205 χ^2/NDF:20.4/14

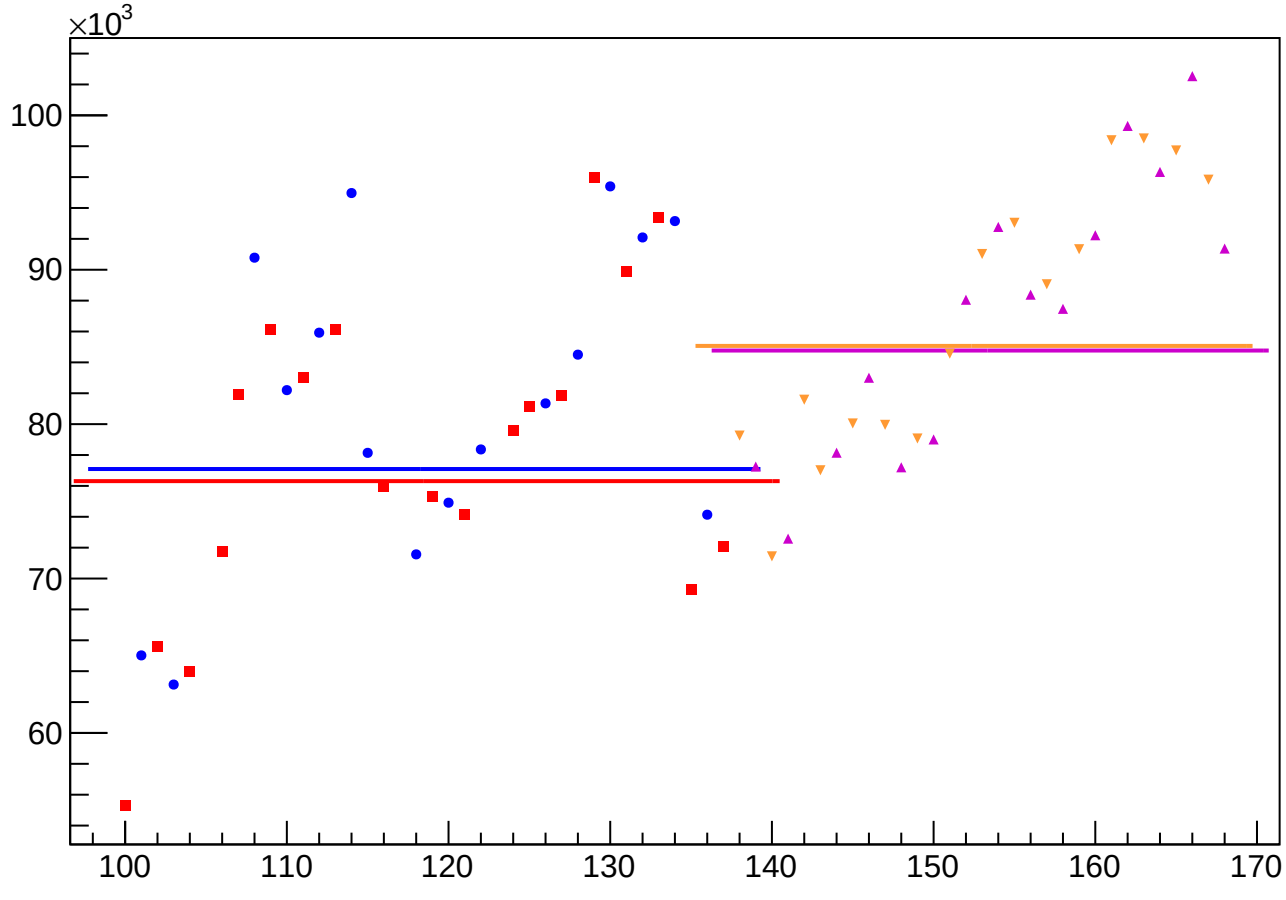
Left: 2.104+/-17.071 χ^2/NDF: 40.5/30

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 34.243+/-18.561 χ^2/NDF:32.9/30

Out: 6.738+/-18.286 χ^2/NDF:35.6/34

All: 20.286+/-13.026 χ^2/NDF: 69.6/65



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85067.130+/-17.027 χ^2/NDF:244468.3/15

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 84766.963+/-17.115 χ^2/NDF:231223.4/14

Left: 84917.820+/-12.071 χ^2/NDF: 475846.2/30

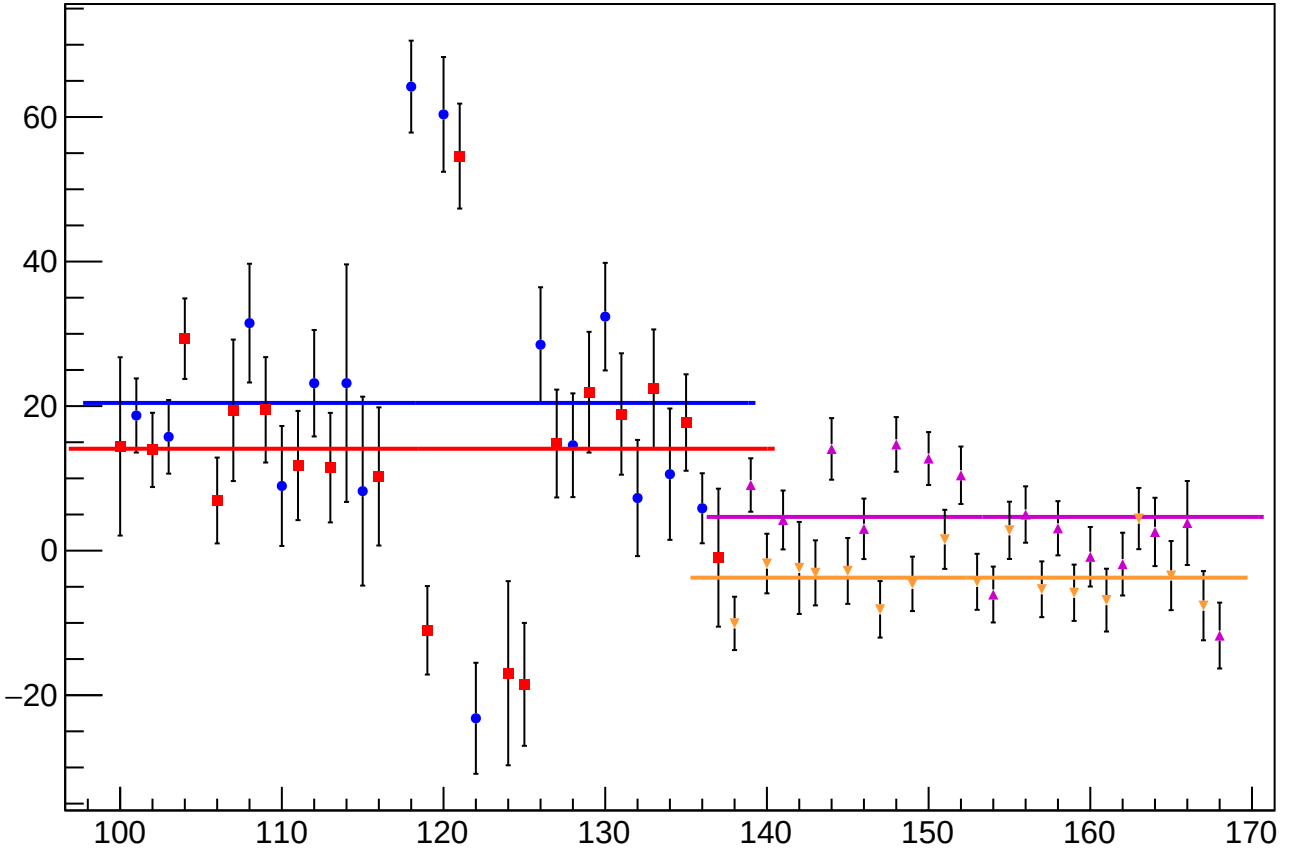
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 81605.520+/-13.125 χ^2/NDF:562584.2/30

Out: 81359.497+/-12.930 χ^2/NDF:590904.5/34

All: 81480.676+/-9.211 χ^2/NDF: 1153667.0/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.739+/-1.049 χ^2/NDF:14.4/15

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 4.669+/-1.059 χ^2/NDF:45.6/14

Left: 0.423+/-0.745 χ^2/NDF: 91.8/30

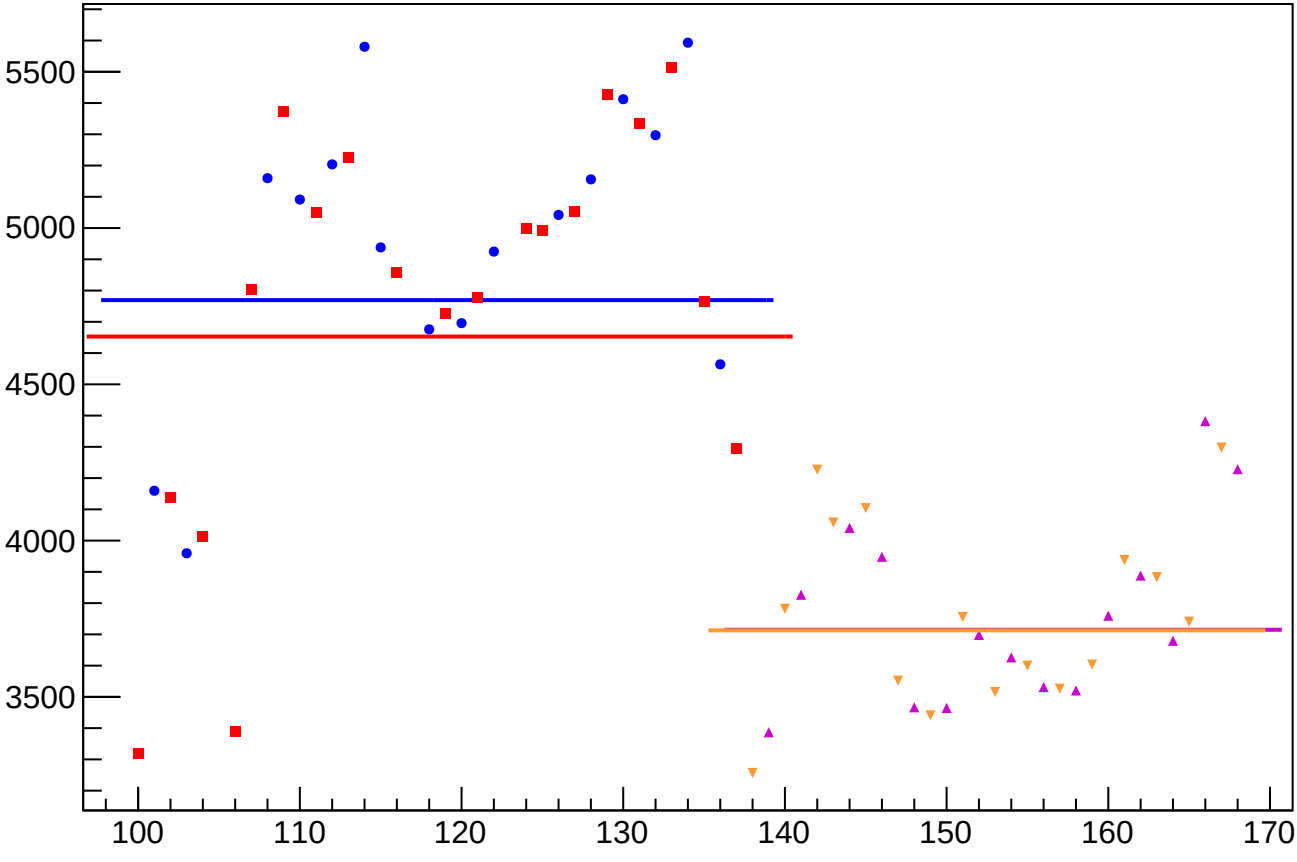
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 8.787+/-0.910 χ^2/NDF:231.3/30

Out: 1.121+/-0.894 χ^2/NDF:177.0/34

All: 4.886+/-0.638 χ^2/NDF: 444.4/65

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3712.855+/-0.741 χ^2/NDF:136279.1/15

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3714.762+/-0.749 χ^2/NDF:119286.3/14

Left: 3713.799+/-0.527 χ^2/NDF: 255568.6/30

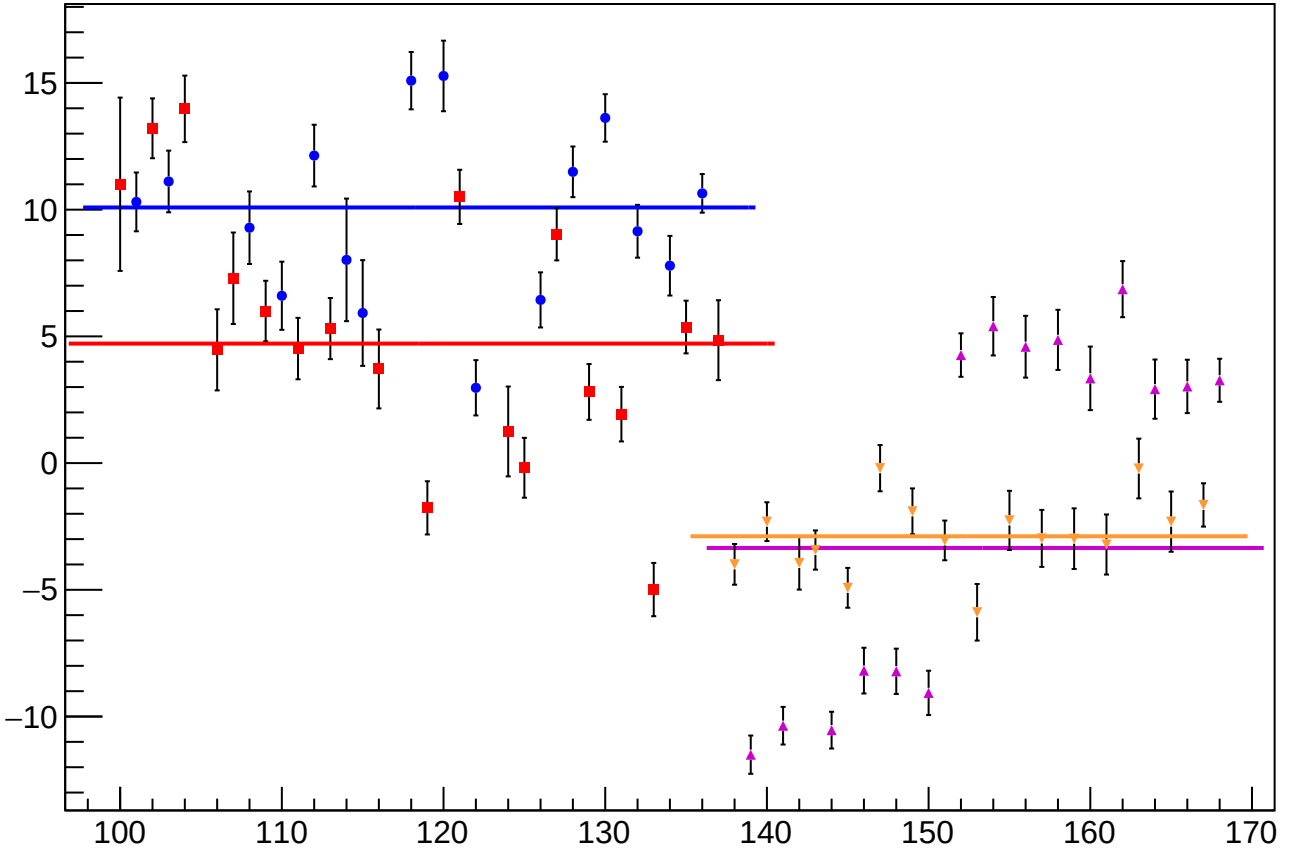
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3990.068+/-0.644 χ^2/NDF:788614.0/30

Out: 3968.945+/-0.632 χ^2/NDF:839345.9/34

All: 3979.318+/-0.451 χ^2/NDF: 1628507.6/65

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.888+/-0.235 χ^2/NDF:35.6/15

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -3.349+/-0.241 χ^2/NDF:871.7/14

Left: -3.113+/-0.168 χ^2/NDF: 909.2/30

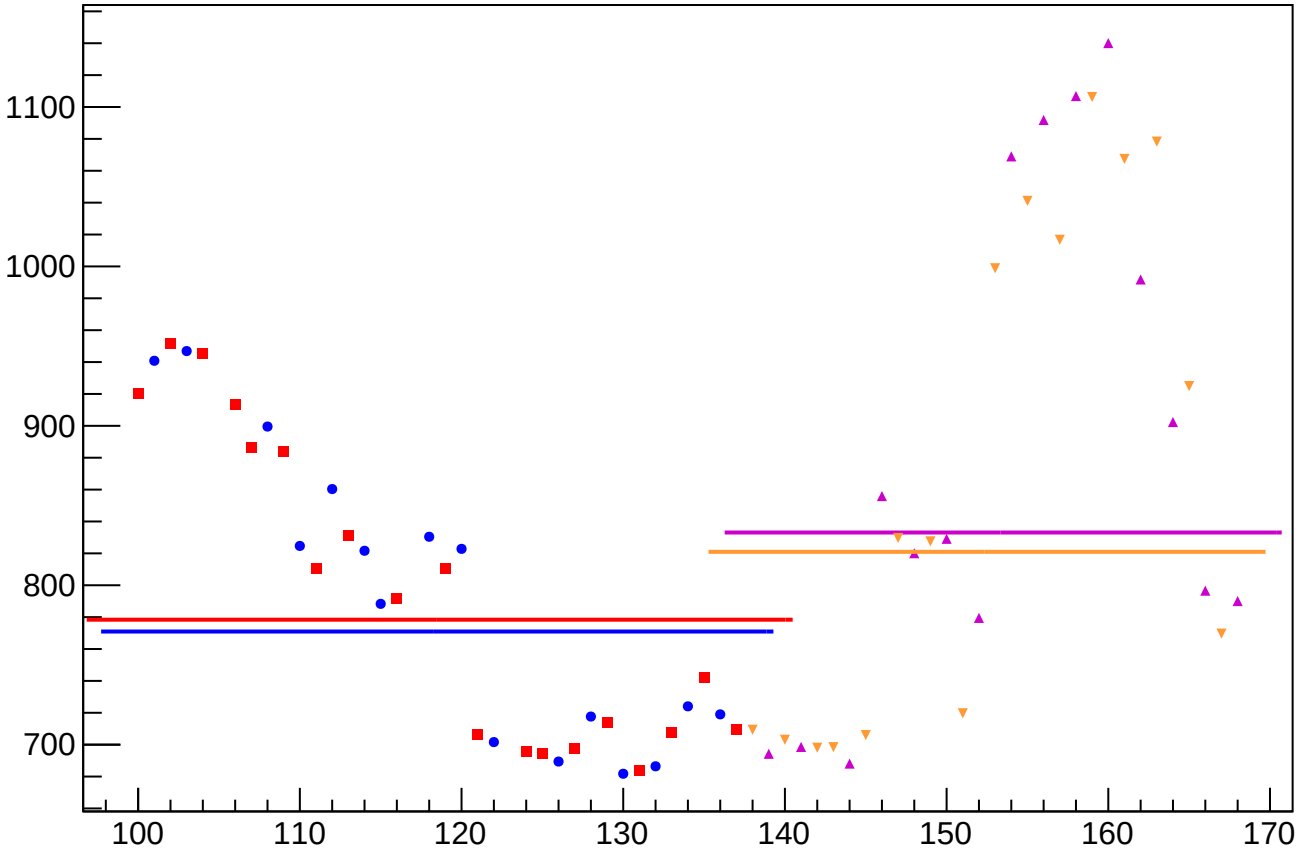
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.175+/-0.185 χ^2/NDF:2273.8/30

Out: 0.187+/-0.182 χ^2/NDF:767.5/34

All: 1.164+/-0.130 χ^2/NDF: 3100.1/65

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.958+/-0.166 χ^2/NDF:740640.9/15

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 833.084+/-0.170 χ^2/NDF:678809.9/14

Left: 826.881+/-0.119 χ^2/NDF: 1422041.9/30

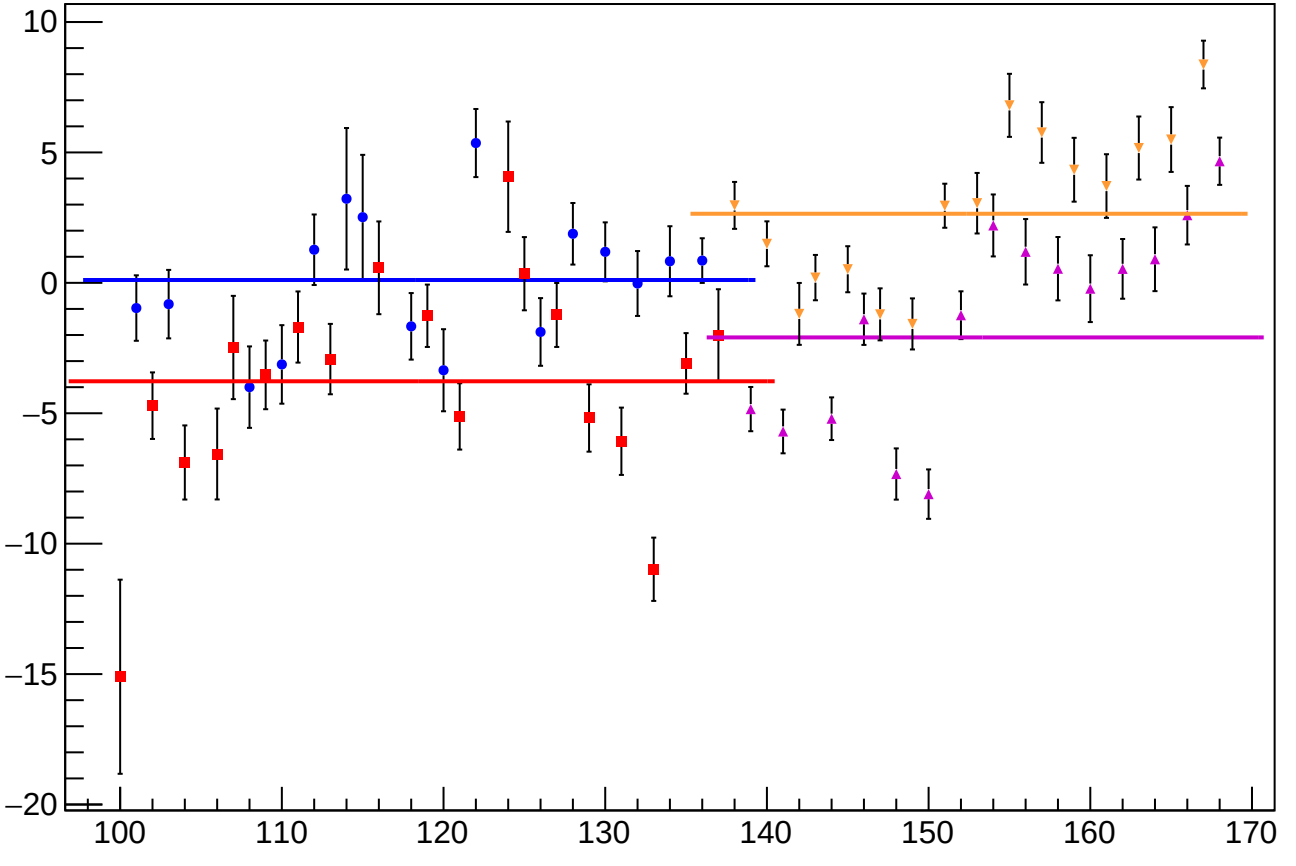
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 807.547+/-0.131 χ^2/NDF:926355.1/30

Out: 803.746+/-0.128 χ^2/NDF:963613.5/34

All: 805.613+/-0.092 χ^2/NDF: 1890398.6/65

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.649+/-0.255 χ^2/NDF:130.4/15

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -2.092+/-0.260 χ^2/NDF:224.6/14

Left: 0.328+/-0.182 χ^2/NDF: 524.3/30

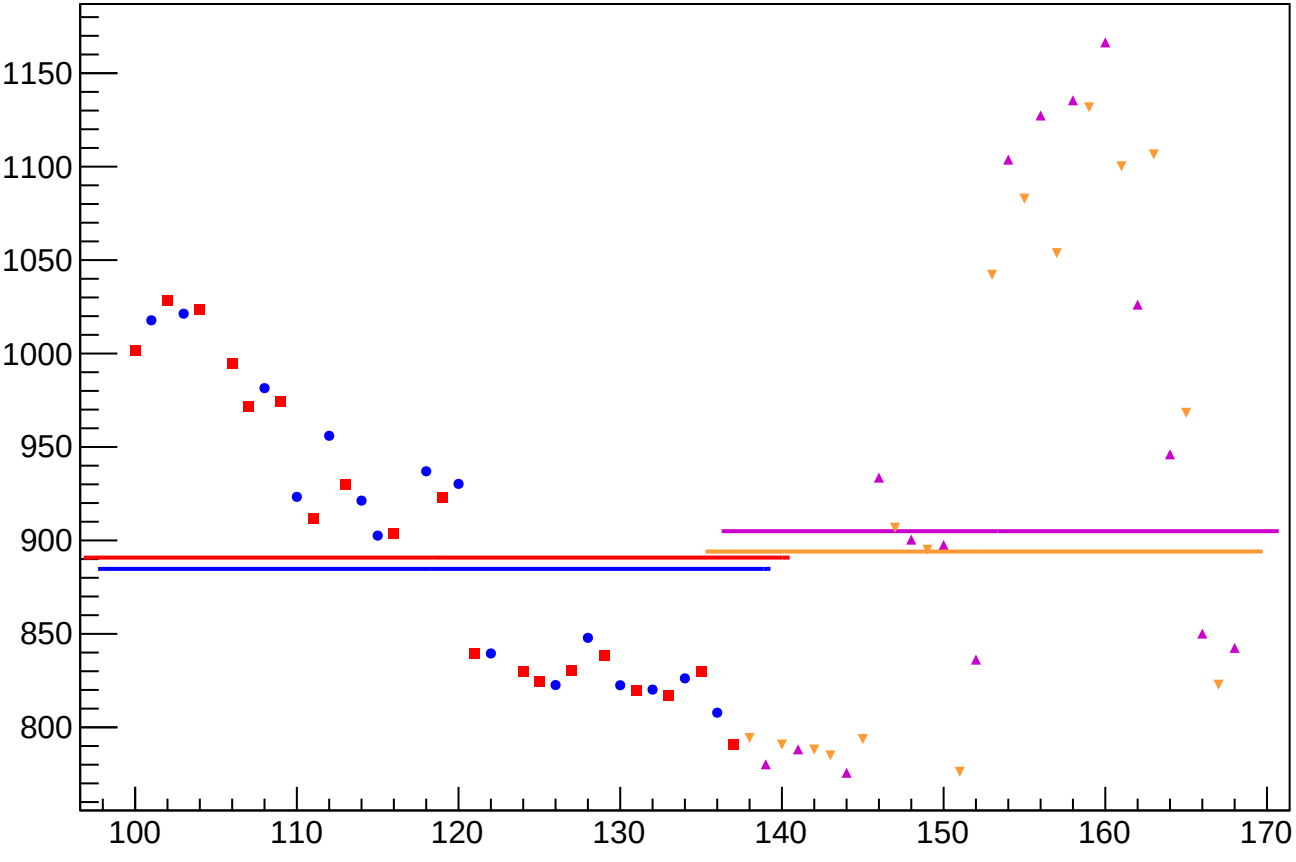
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.248+/-0.204 χ^2/NDF:297.4/30

Out: 0.212+/-0.201 χ^2/NDF:470.8/34

All: -0.505+/-0.143 χ^2/NDF: 794.2/65

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 894.053+/-0.180 χ^2/NDF:498678.4/15

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 904.953+/-0.184 χ^2/NDF:458348.9/14

Left: 899.389+/-0.129 χ^2/NDF: 958817.5/30

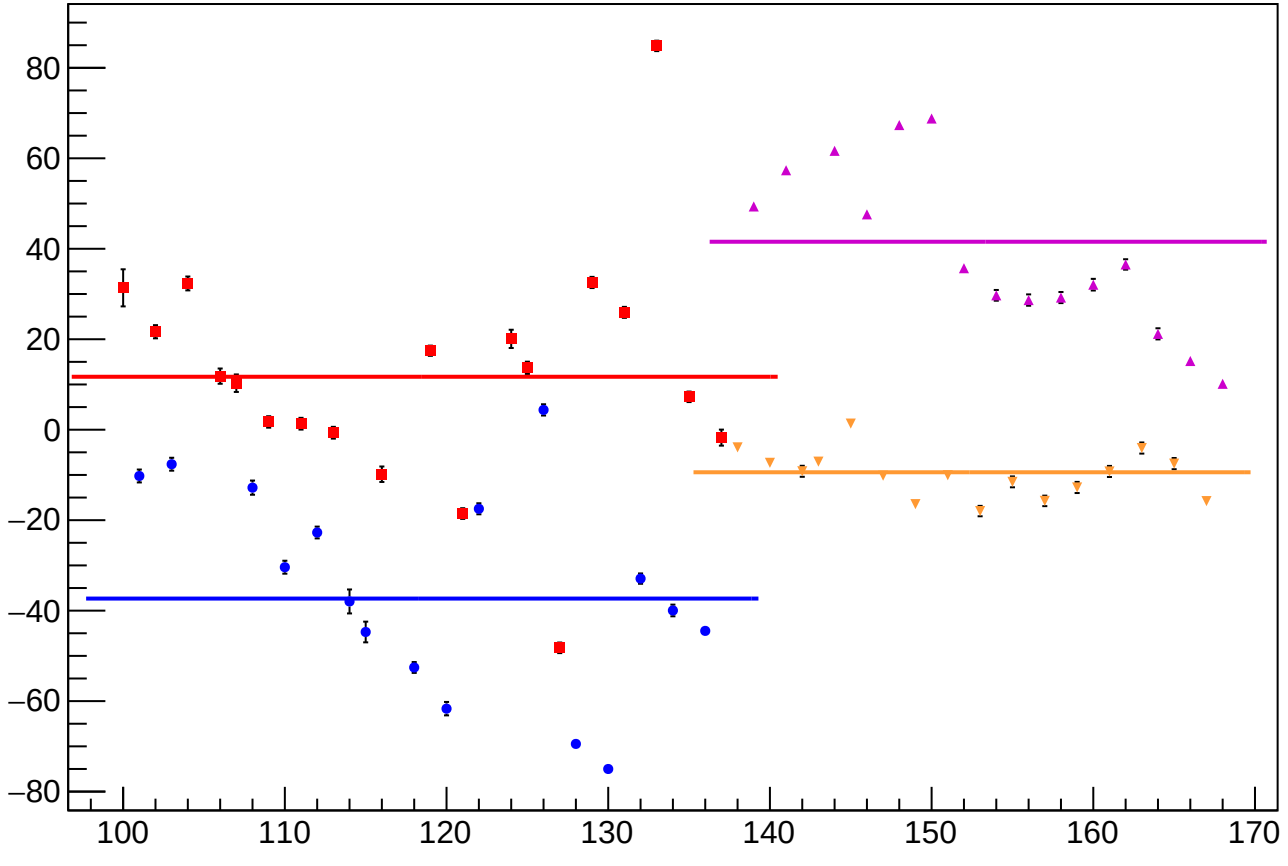
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 897.210+/-0.144 χ^2/NDF:567455.0/30

Out: 892.825+/-0.142 χ^2/NDF:606564.3/34

All: 894.979+/-0.101 χ^2/NDF: 1174487.9/65

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.408+/-0.258 χ^2/NDF:403.0/15

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 41.554+/-0.265 χ^2/NDF:4814.4/14

Left: 15.463+/-0.185 χ^2/NDF: 24211.6/30

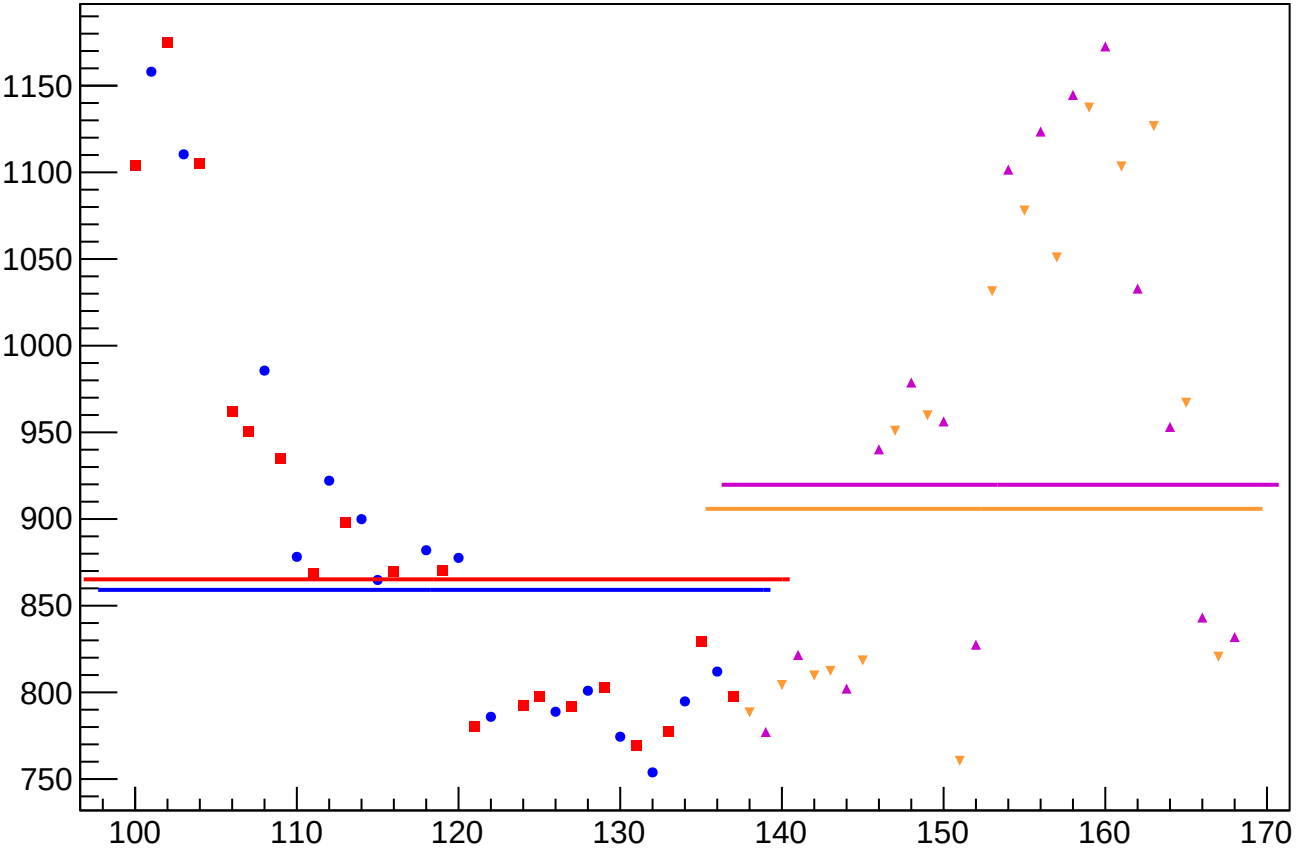
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.729+/-0.204 χ^2/NDF:45861.3/30

Out: -1.012+/-0.200 χ^2/NDF:11523.5/34

All: 4.256+/-0.143 χ^2/NDF: 58792.4/65

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 905.885+/-0.183 χ^2/NDF:490184.9/15

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 919.764+/-0.187 χ^2/NDF:444945.9/14

Left: 912.658+/-0.131 χ^2/NDF: 937948.4/30

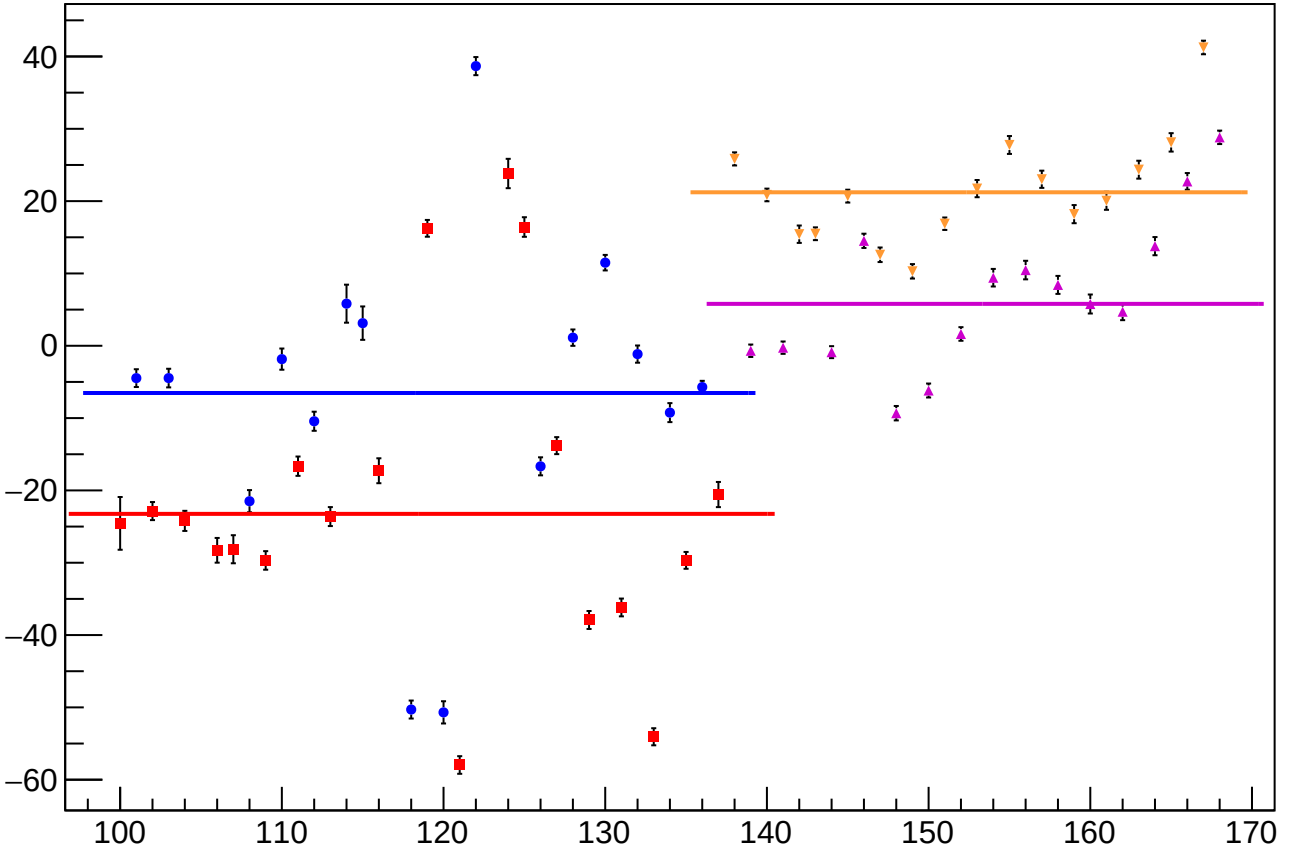
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 895.300+/-0.145 χ^2/NDF:716037.4/30

Out: 889.711+/-0.142 χ^2/NDF:733570.2/34

All: 892.452+/-0.101 χ^2/NDF: 1450370.1/65

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 21.223+/-0.260 χ^2/NDF:837.7/15

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 5.794+/-0.265 χ^2/NDF:1551.0/14

Left: 13.676+/-0.186 χ^2/NDF: 4115.8/30

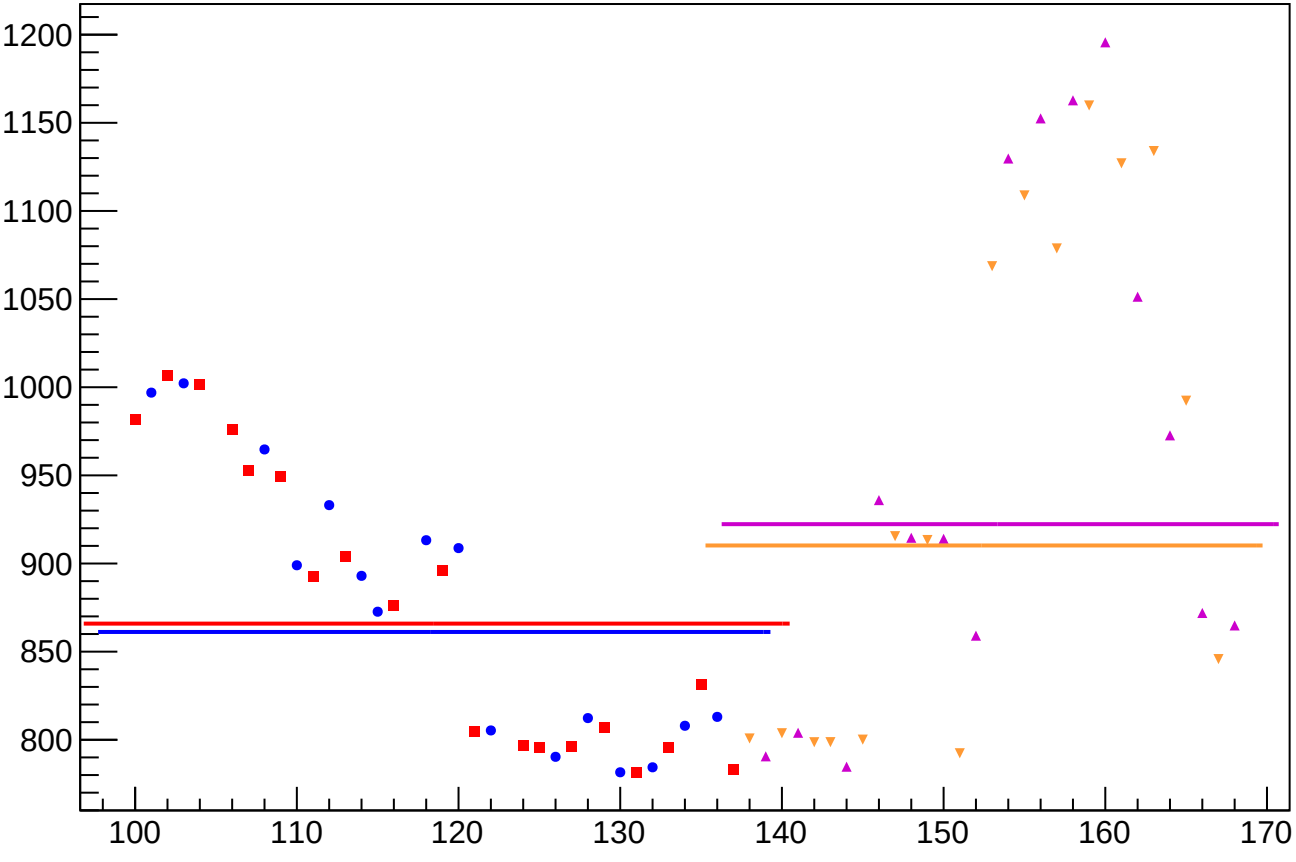
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 0.796+/-0.205 χ^2/NDF:6372.0/30

Out: 3.371+/-0.201 χ^2/NDF:17082.8/34

All: 2.107+/-0.143 χ^2/NDF: 23535.5/65

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 910.234+/-0.184 χ^2/NDF:525457.2/15

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 922.323+/-0.188 χ^2/NDF:473299.5/14

Left: 916.148+/-0.131 χ^2/NDF: 1000877.4/30

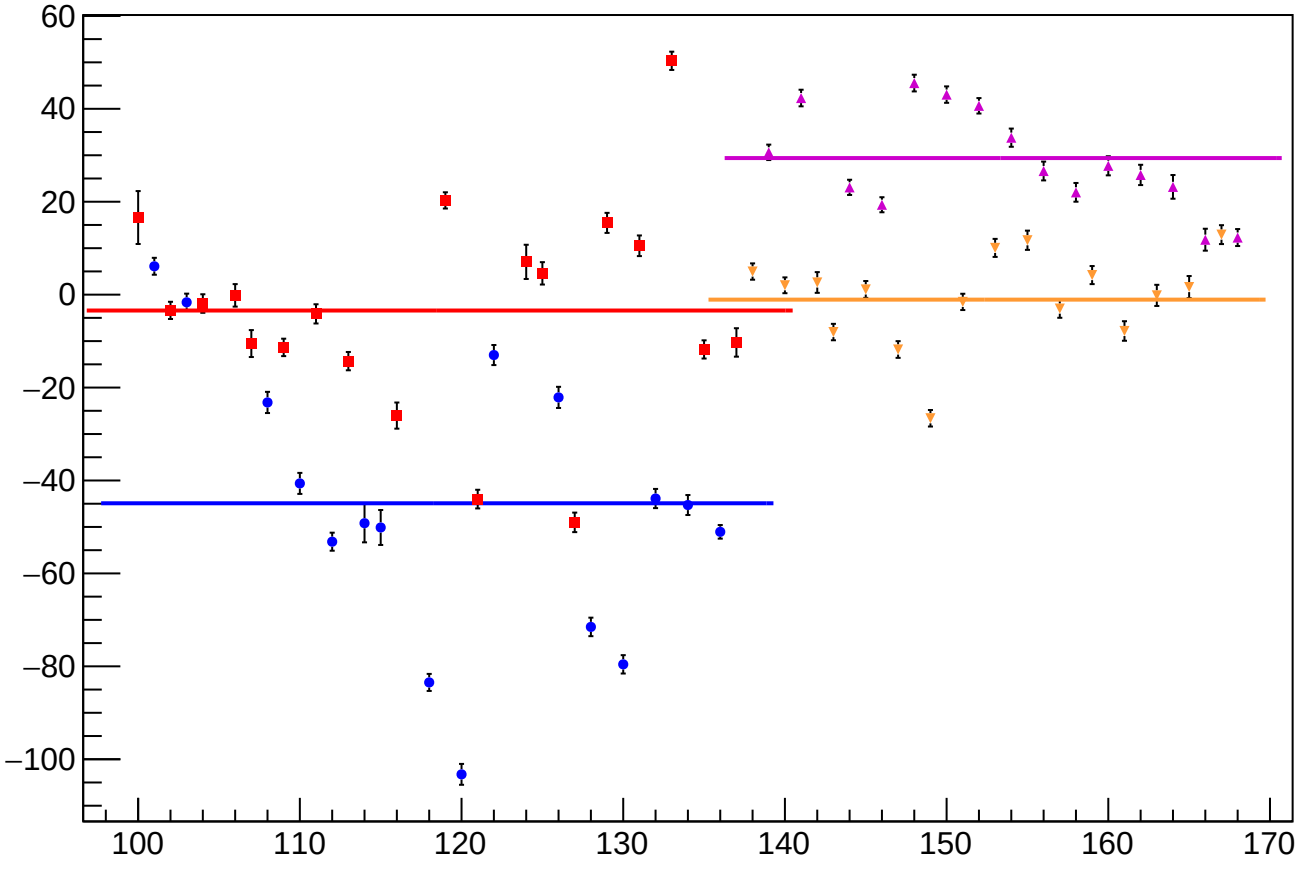
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 897.517+/-0.145 χ^2/NDF:629922.2/30

Out: 892.438+/-0.142 χ^2/NDF:667278.5/34

All: 894.931+/-0.101 χ^2/NDF: 1297828.4/65

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.073+/-0.482 χ^2/NDF:415.6/15

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.397+/-0.485 χ^2/NDF:464.8/14

Left: 14.067+/-0.342 χ^2/NDF: 2865.8/30

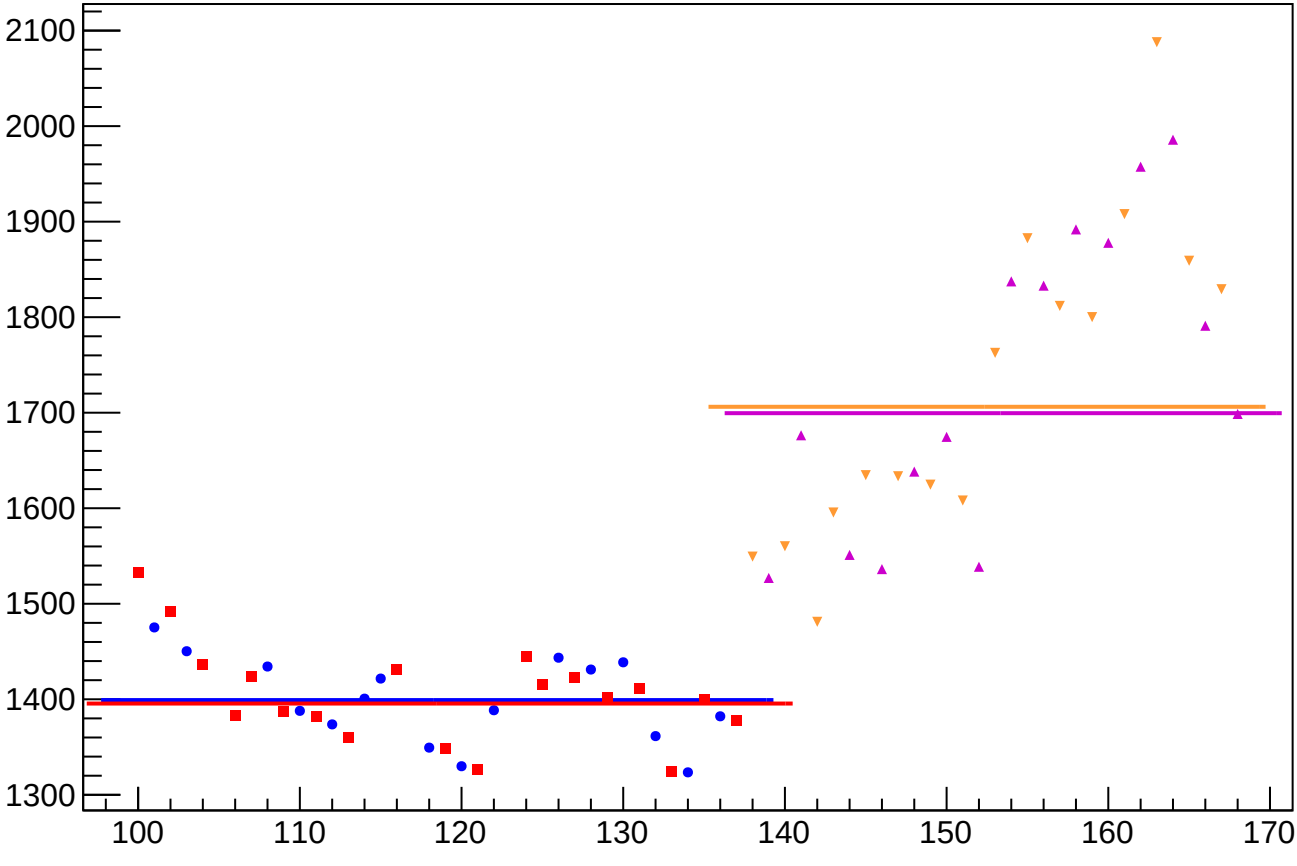
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -5.181+/-0.355 χ^2/NDF:14762.4/30

Out: -2.181+/-0.350 χ^2/NDF:2528.9/34

All: -3.661+/-0.249 χ^2/NDF: 17327.5/65

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.202+/-0.341 χ^2/NDF:192647.0/15

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1699.510+/-0.343 χ^2/NDF:188034.9/14

Left: 1702.877+/-0.242 χ^2/NDF: 380873.4/30

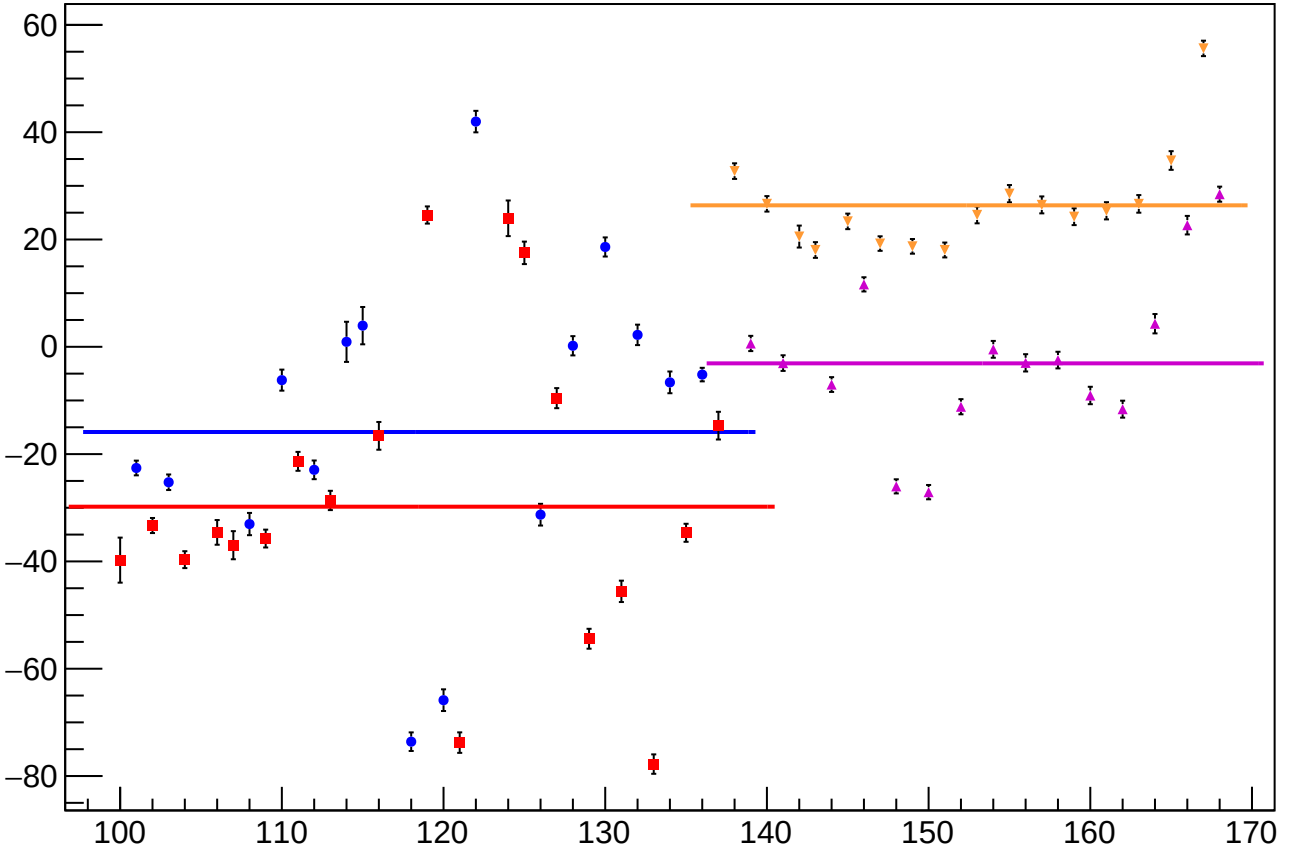
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1559.742+/-0.251 χ^2/NDF:559716.3/30

Out: 1559.372+/-0.248 χ^2/NDF:601526.7/34

All: 1559.555+/-0.176 χ^2/NDF: 1161244.1/65

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 26.369+/-0.381 χ^2/NDF:599.7/15

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -3.085+/-0.383 χ^2/NDF:1585.9/14

Left: 11.717+/-0.270 χ^2/NDF: 5164.7/30

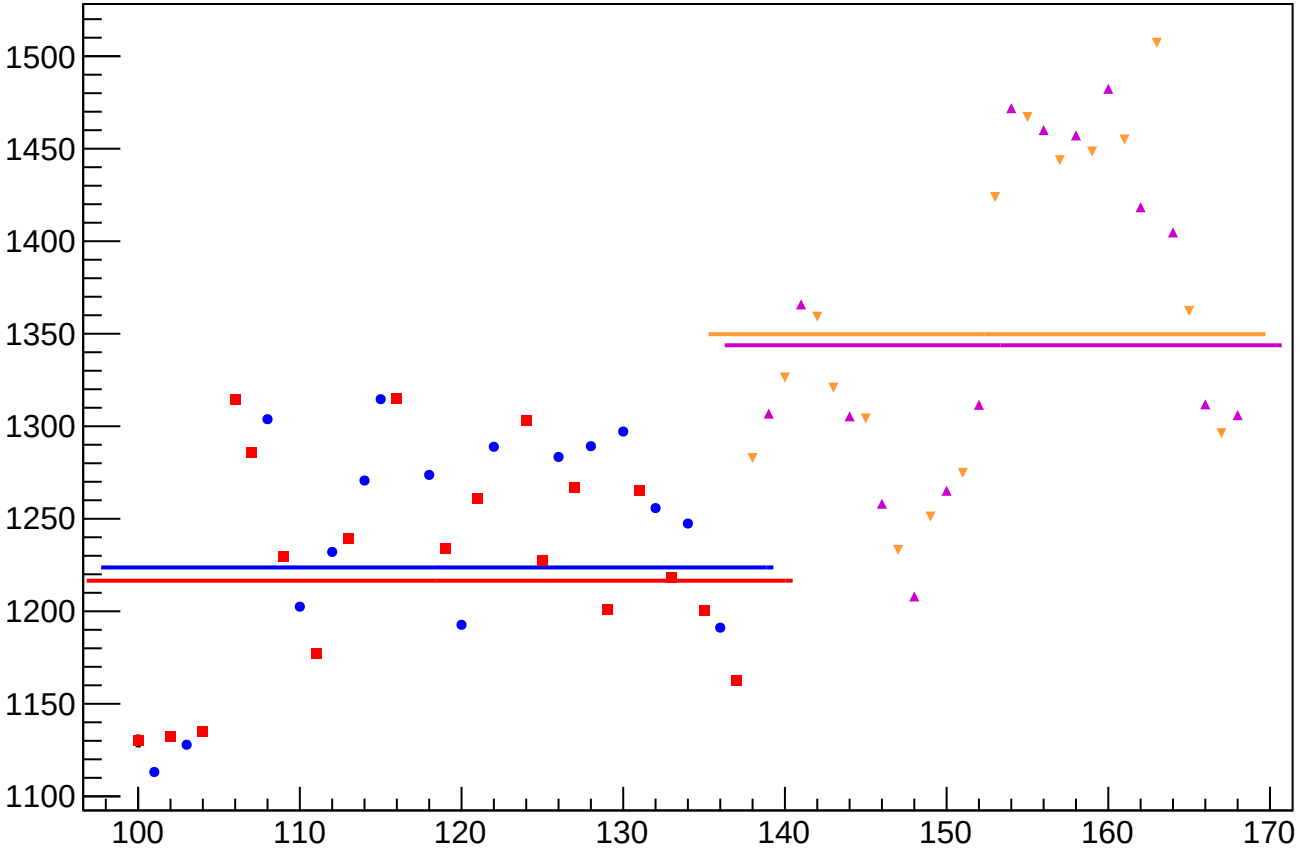
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -8.379+/-0.293 χ^2/NDF:5526.6/30

Out: 2.600+/-0.289 χ^2/NDF:13497.7/34

All: -2.818+/-0.206 χ^2/NDF: 19736.2/65

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.752+/-0.269 χ^2/NDF:98549.1/15

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1343.771+/-0.270 χ^2/NDF:98790.6/14

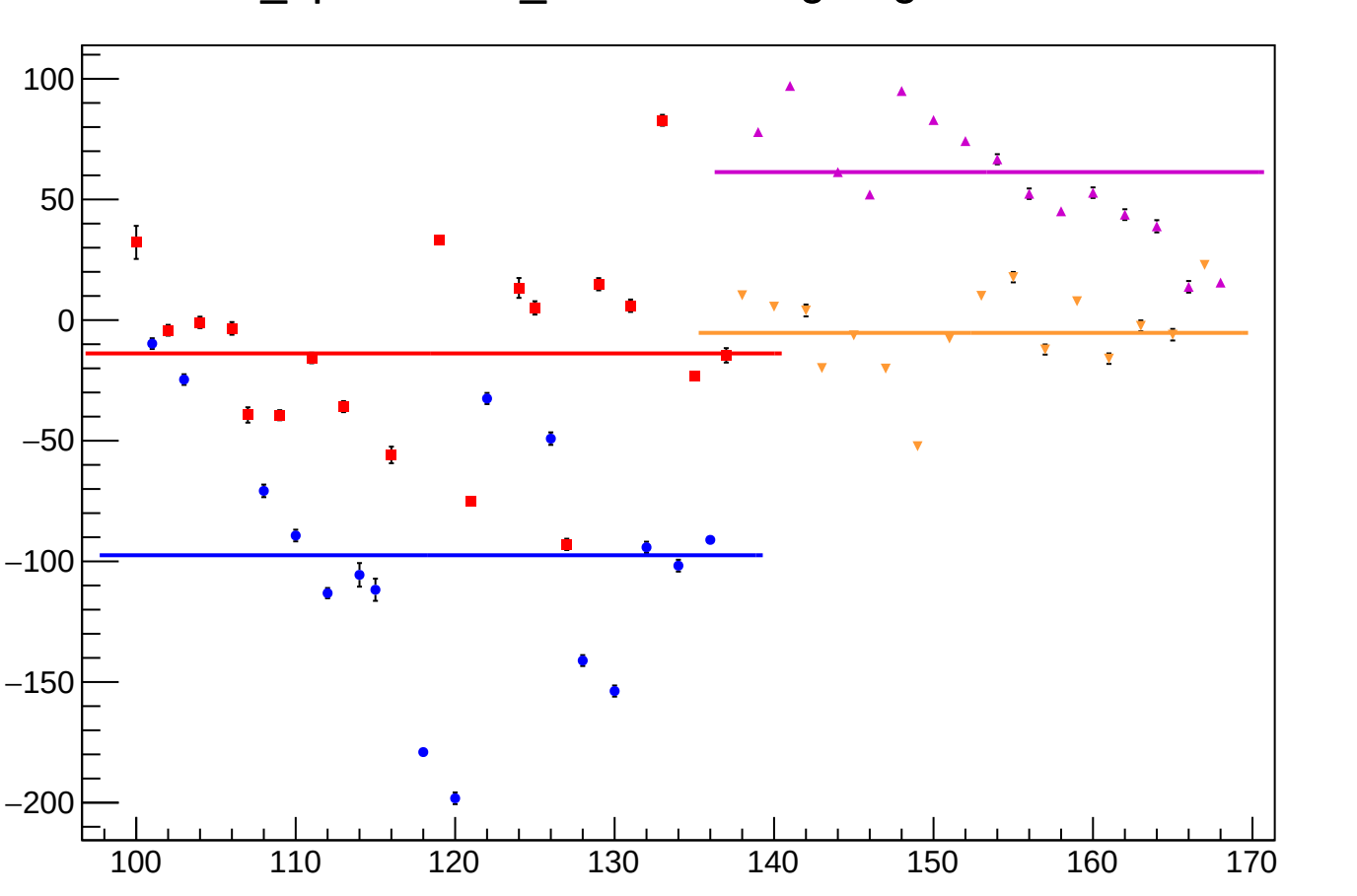
Left: 1346.777+/-0.191 χ^2/NDF: 197585.4/30

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

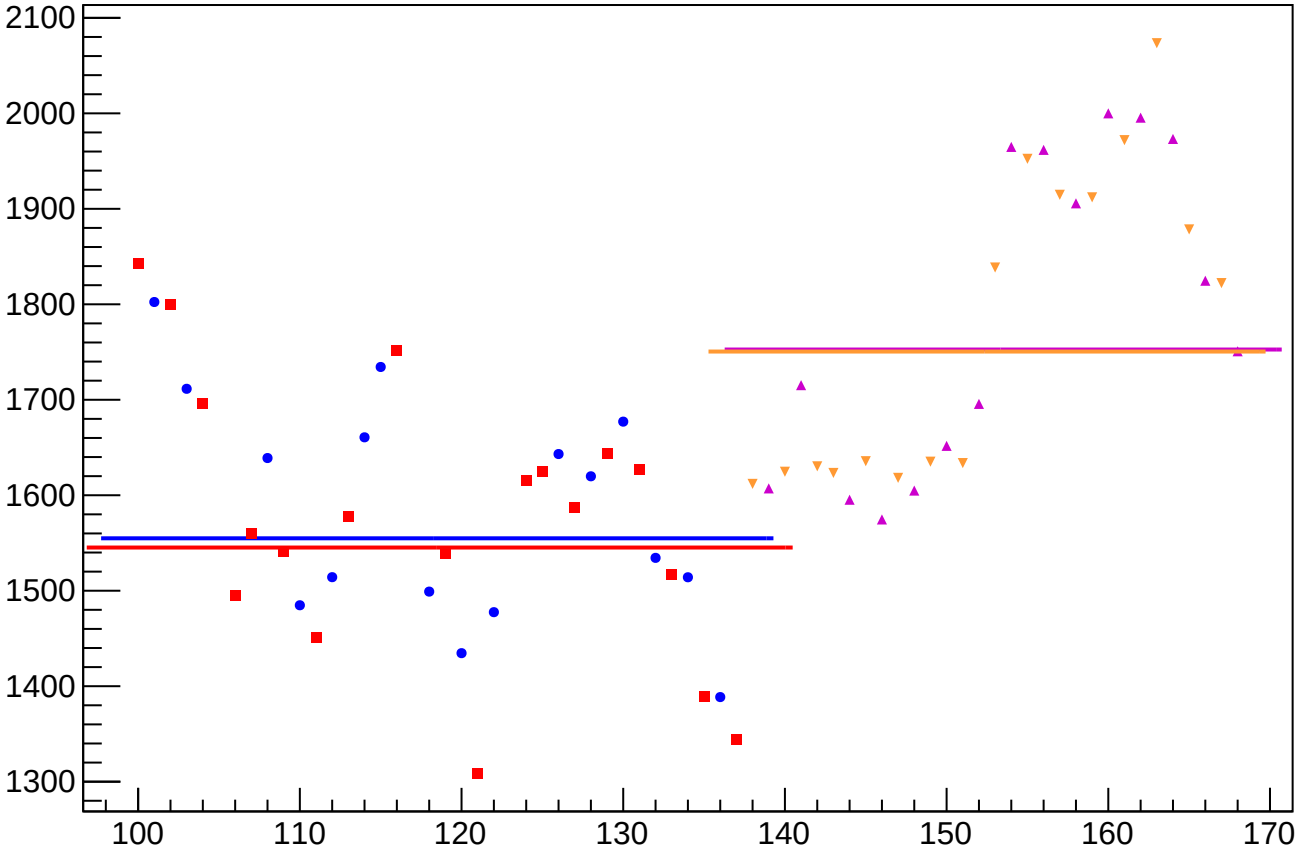
In: 1294.078+/-0.207 χ^2/NDF:221220.7/30

Out: 1293.379+/-0.204 χ^2/NDF:231623.0/34

All: 1293.724+/-0.145 χ^2/NDF: 452849.5/65


diff_bpm0i02aX_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -97.455+/-0.579 χ²/NDF: 8300.2/15
Left Out: -5.286+/-0.495 χ²/NDF:1395.2/15
Right Out: -13.816+/-0.566 χ²/NDF: 5352.2/18
Left In: 61.340+/-0.500 χ²/NDF:2299.7/14
Left: 27.668+/-0.352 χ²/NDF: 12669.1/30
Right: -54.632+/-0.405 χ²/NDF: 24320.8/34
In: -6.434+/-0.379 χ²/NDF:53651.6/30
Out: -8.982+/-0.372 χ²/NDF:6876.3/34
All: -7.729+/-0.265 χ²/NDF: 60550.9/65

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1750.520+/-0.350 χ^2/NDF:188162.6/15

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1752.627+/-0.354 χ^2/NDF:194819.1/14

Left: 1751.562+/-0.249 χ^2/NDF: 382999.7/30

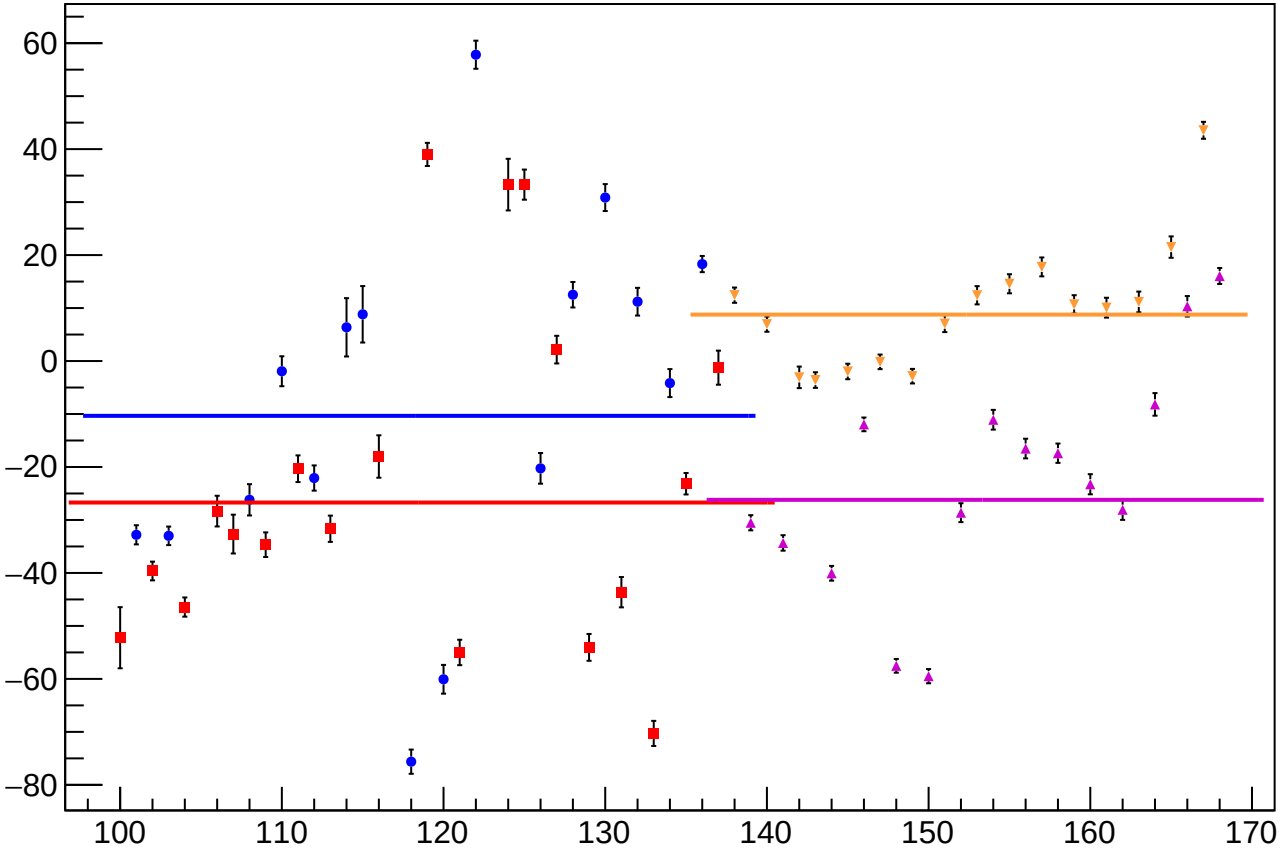
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1668.240+/-0.268 χ^2/NDF:416226.3/30

Out: 1661.572+/-0.263 χ^2/NDF:446216.1/34

All: 1664.851+/-0.188 χ^2/NDF: 862757.9/65

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 8.765+/-0.406 χ^2/NDF:835.7/15

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -26.198+/-0.412 χ^2/NDF:2792.5/14

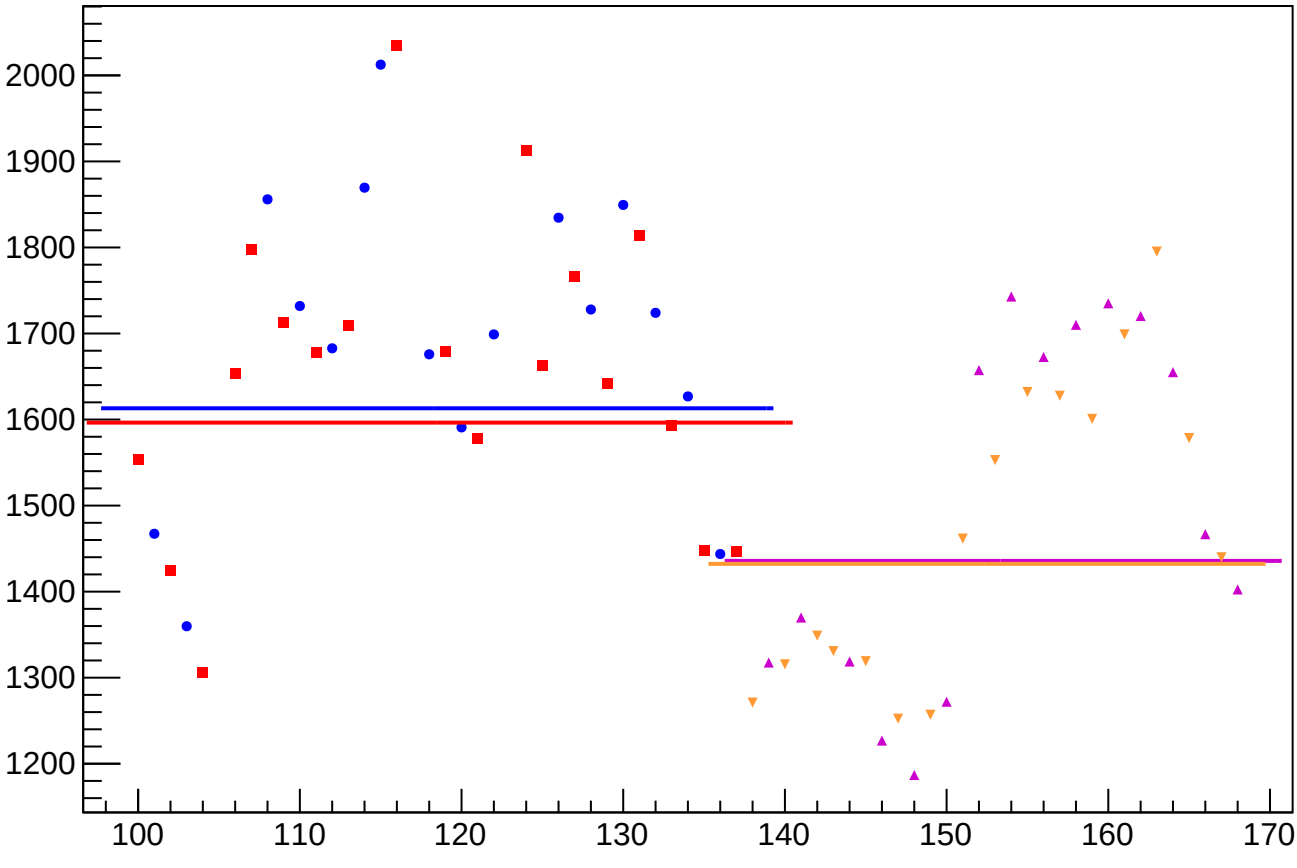
Left: -8.464+/-0.289 χ^2/NDF: 7279.0/30

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -21.152+/-0.340 χ^2/NDF:6270.5/30

Out: -2.739+/-0.334 χ^2/NDF:5849.7/34

All: -11.772+/-0.238 χ^2/NDF: 13612.0/65



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1432.262+/-0.287 χ^2/NDF:327707.9/15

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1435.736+/-0.291 χ^2/NDF:466922.5/14

Left: 1433.974+/-0.205 χ^2/NDF: 794702.6/30

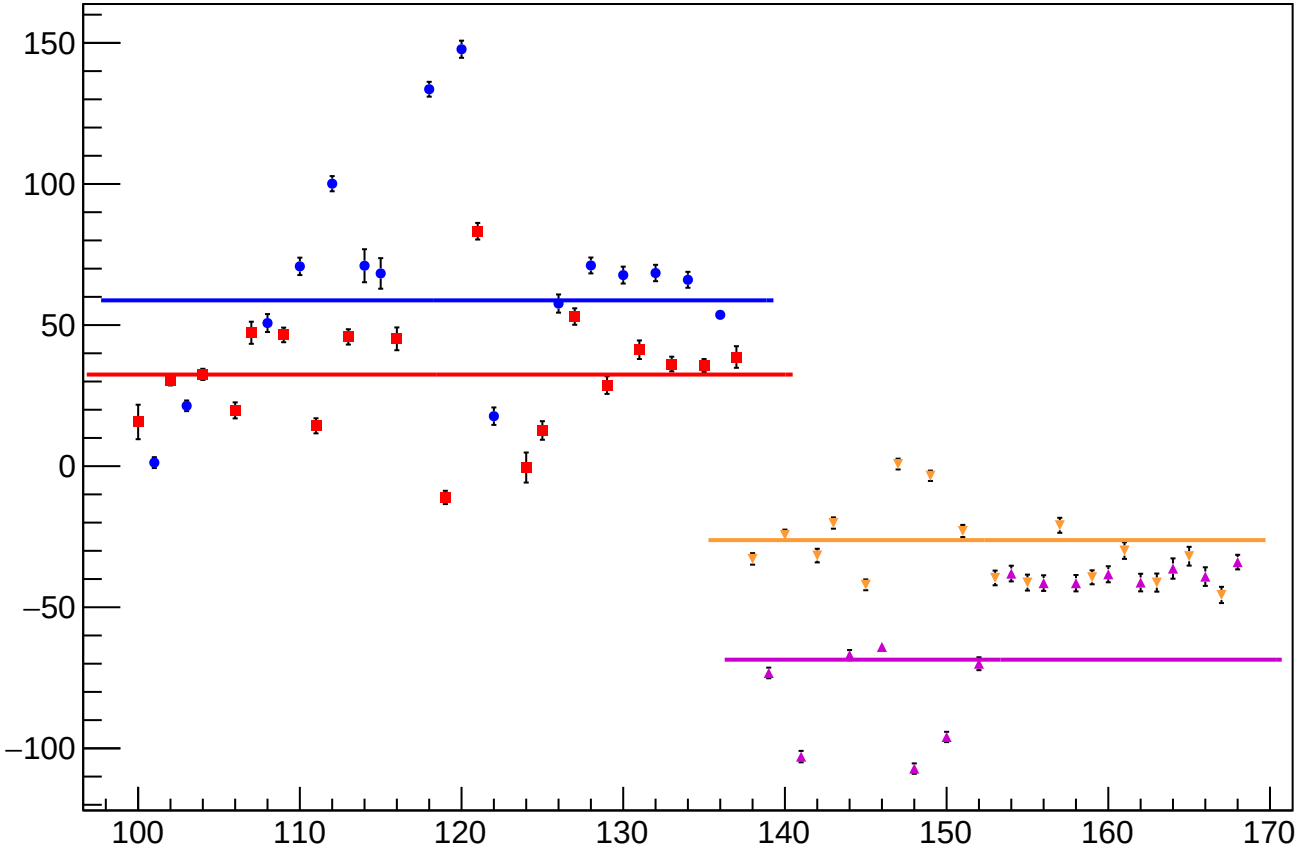
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1492.186+/-0.241 χ^2/NDF:739530.6/30

Out: 1485.503+/-0.236 χ^2/NDF:594375.2/34

All: 1488.781+/-0.169 χ^2/NDF: 1334298.9/65

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.206+/-0.578 χ^2/NDF:608.4/15

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -68.576+/-0.591 χ^2/NDF:1798.0/14

Left: -46.929+/-0.413 χ^2/NDF: 5030.2/30

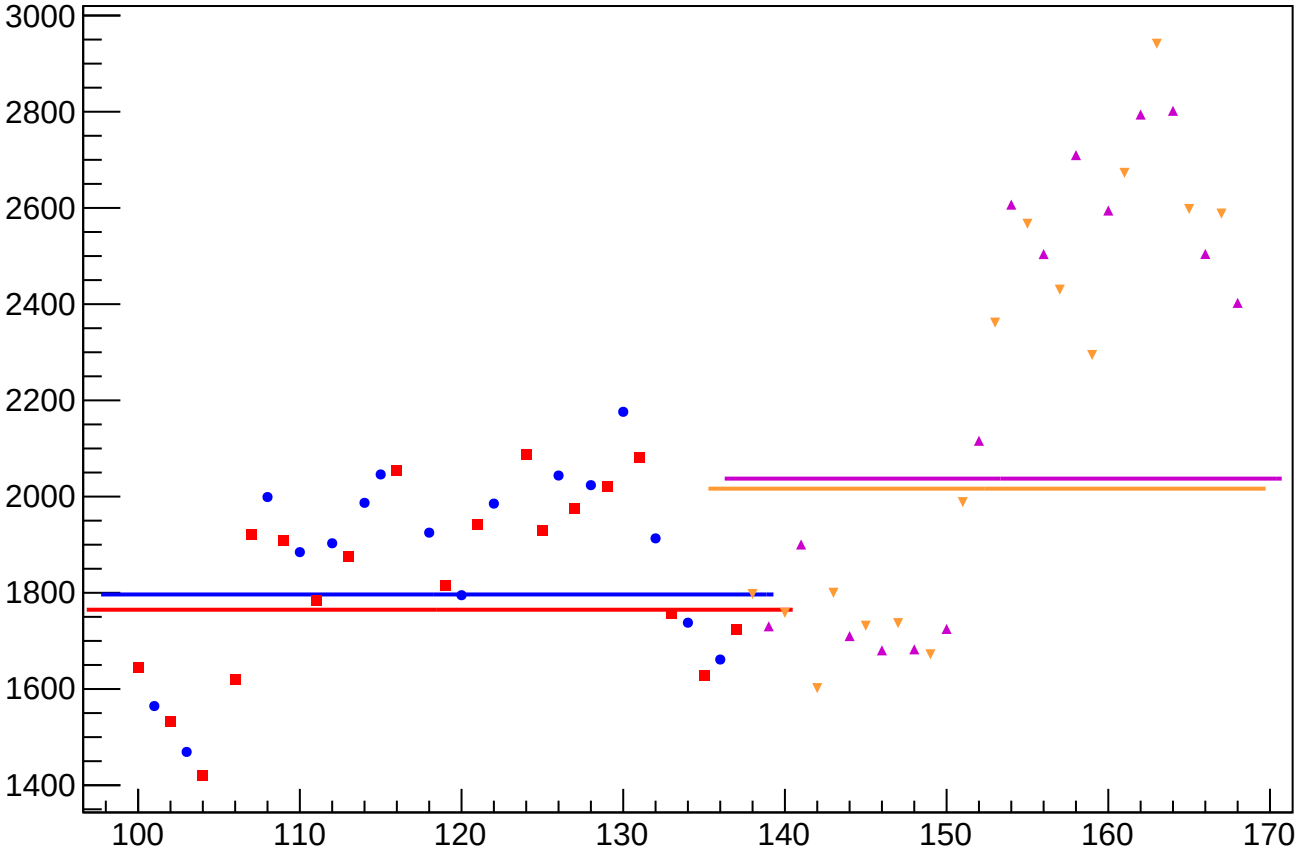
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -13.058+/-0.444 χ^2/NDF:25465.7/30

Out: -0.205+/-0.432 χ^2/NDF:6098.2/34

All: -6.450+/-0.310 χ^2/NDF: 31994.6/65

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2016.490+/-0.409 χ^2/NDF:889359.6/15

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2037.359+/-0.418 χ^2/NDF:957390.9/14

Left: 2026.697+/-0.292 χ^2/NDF: 1848023.7/30

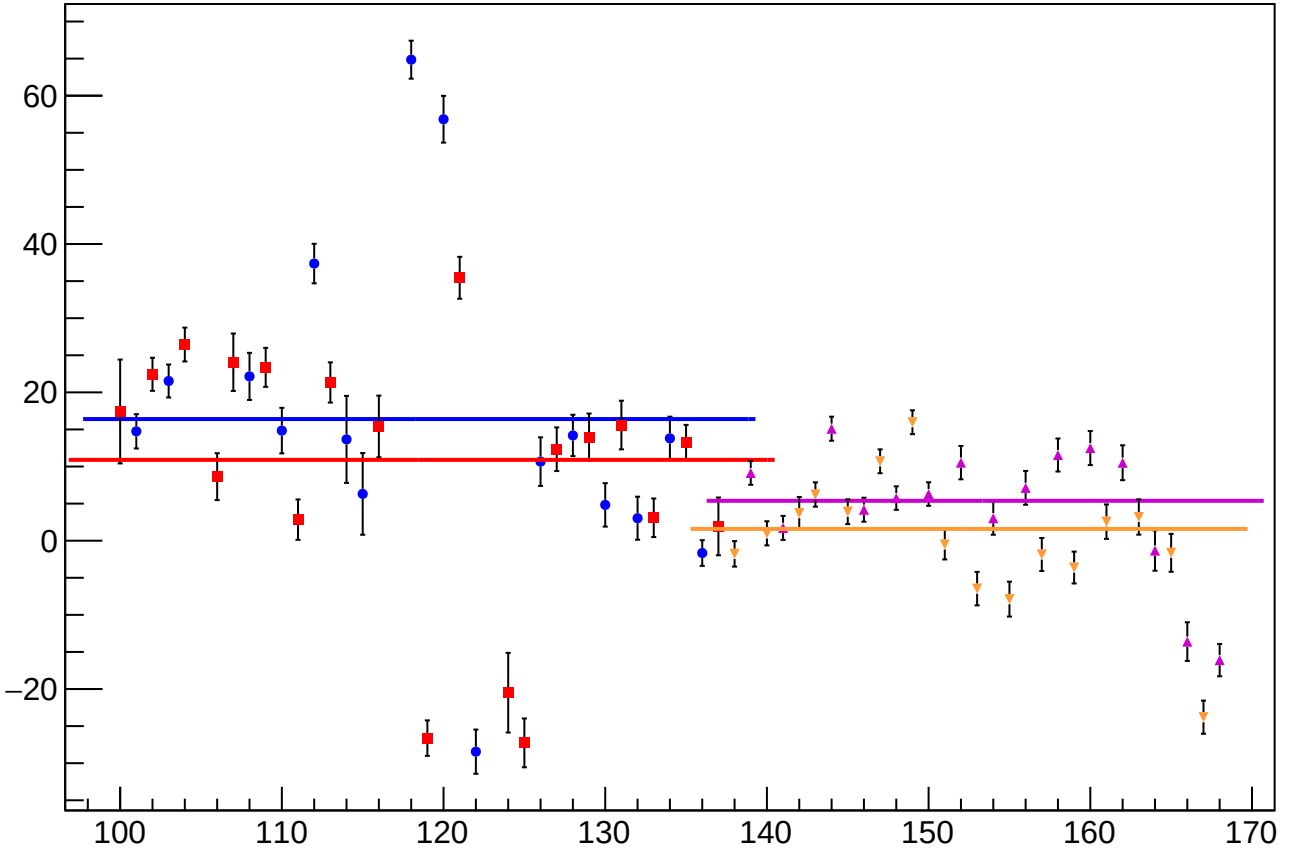
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1932.370+/-0.314 χ^2/NDF:1295214.0/30

Out: 1904.977+/-0.305 χ^2/NDF:1247052.1/34

All: 1918.288+/-0.219 χ^2/NDF: 2546179.4/65

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 1.590+/-0.489 χ^2/NDF:296.7/15

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 5.378+/-0.501 χ^2/NDF:233.2/14

Left: 3.438+/-0.350 χ^2/NDF: 559.1/30

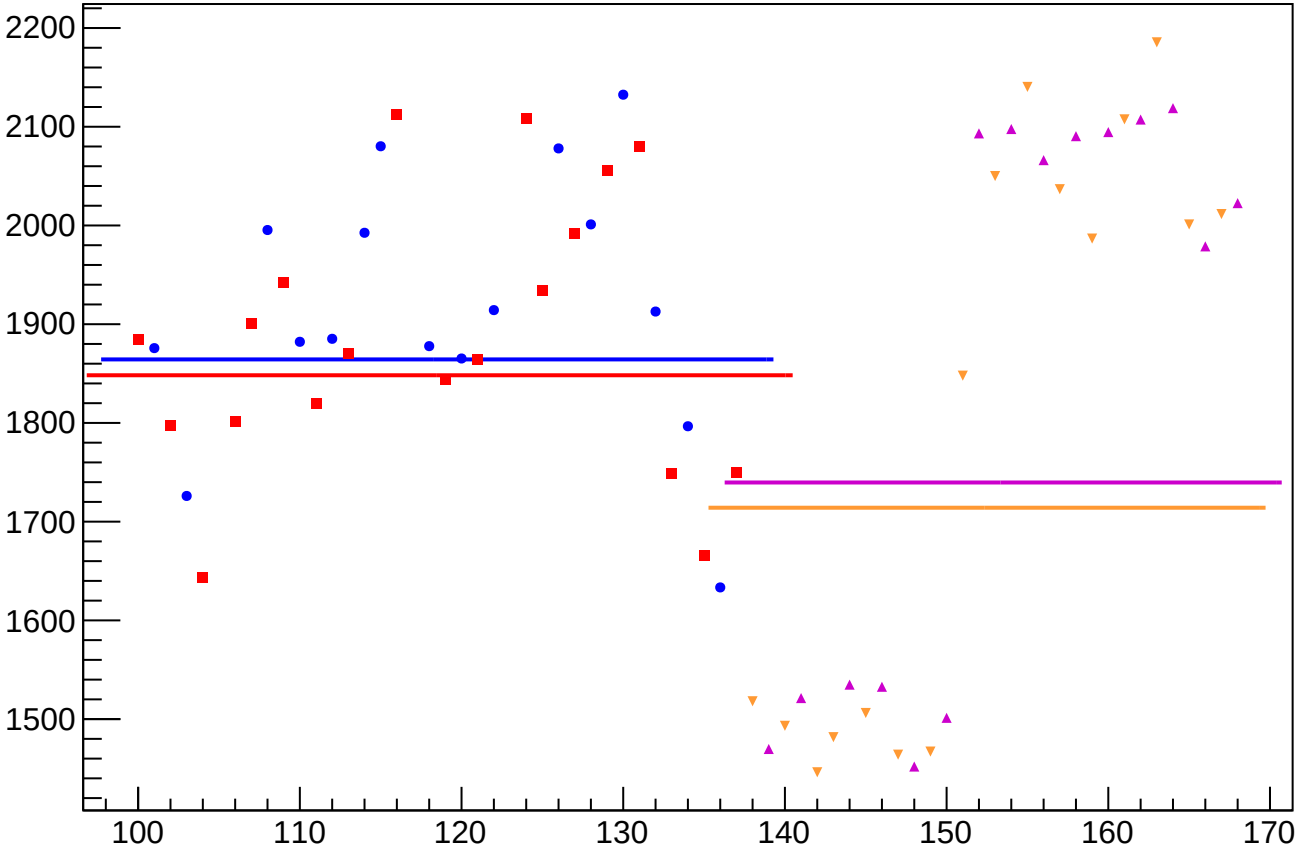
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 9.144+/-0.406 χ^2/NDF:1371.7/30

Out: 4.785+/-0.396 χ^2/NDF:1062.8/34

All: 6.910+/-0.284 χ^2/NDF: 2493.5/65

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1714.119+/-0.346 χ^2/NDF:649011.3/15

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1739.671+/-0.354 χ^2/NDF:646935.1/14

Left: 1726.589+/-0.247 χ^2/NDF: 1298612.9/30

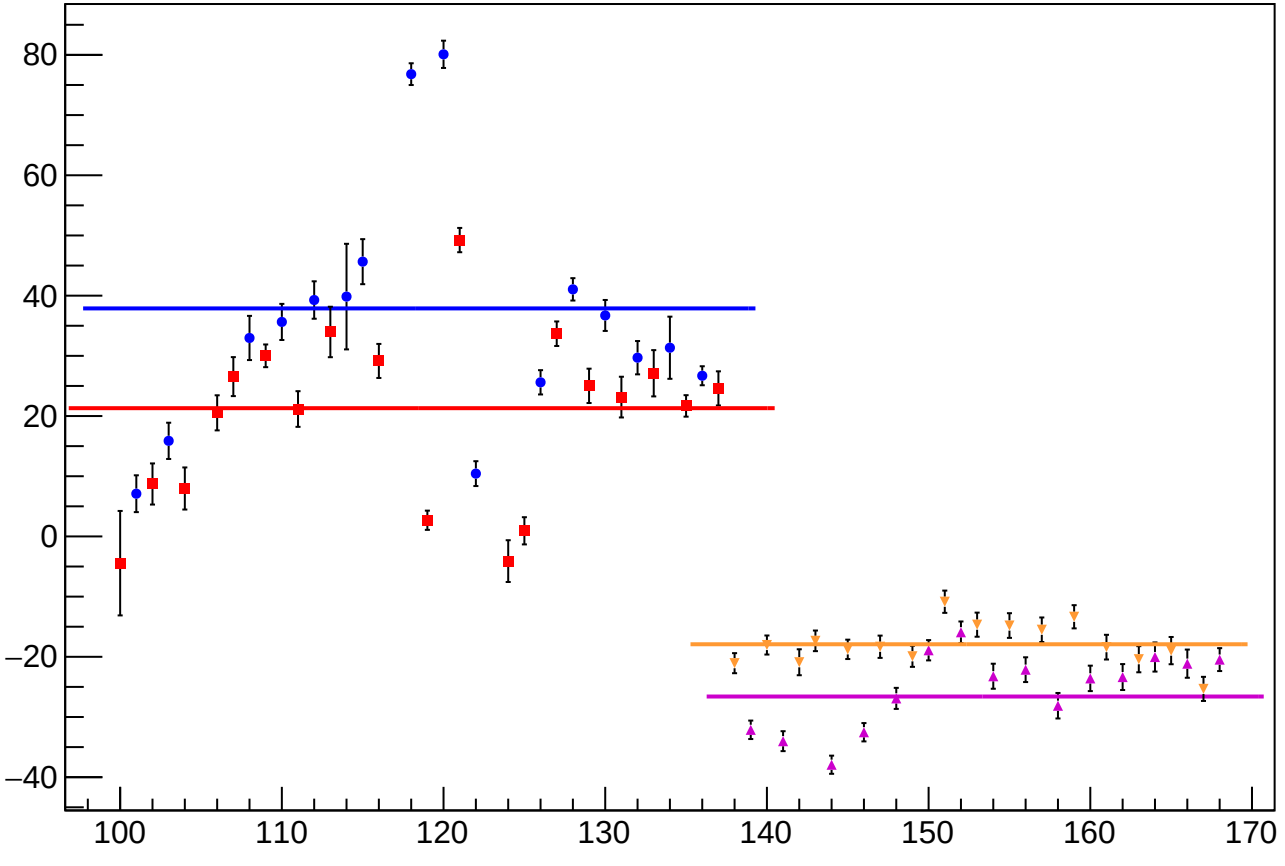
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1782.271+/-0.287 χ^2/NDF:772610.0/30

Out: 1760.168+/-0.280 χ^2/NDF:775669.5/34

All: 1770.942+/-0.201 χ^2/NDF: 1551313.8/65

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.915+/-0.471 χ^2/NDF:49.1/15

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -26.597+/-0.476 χ^2/NDF:196.4/14

Left: -22.211+/-0.335 χ^2/NDF: 413.4/30

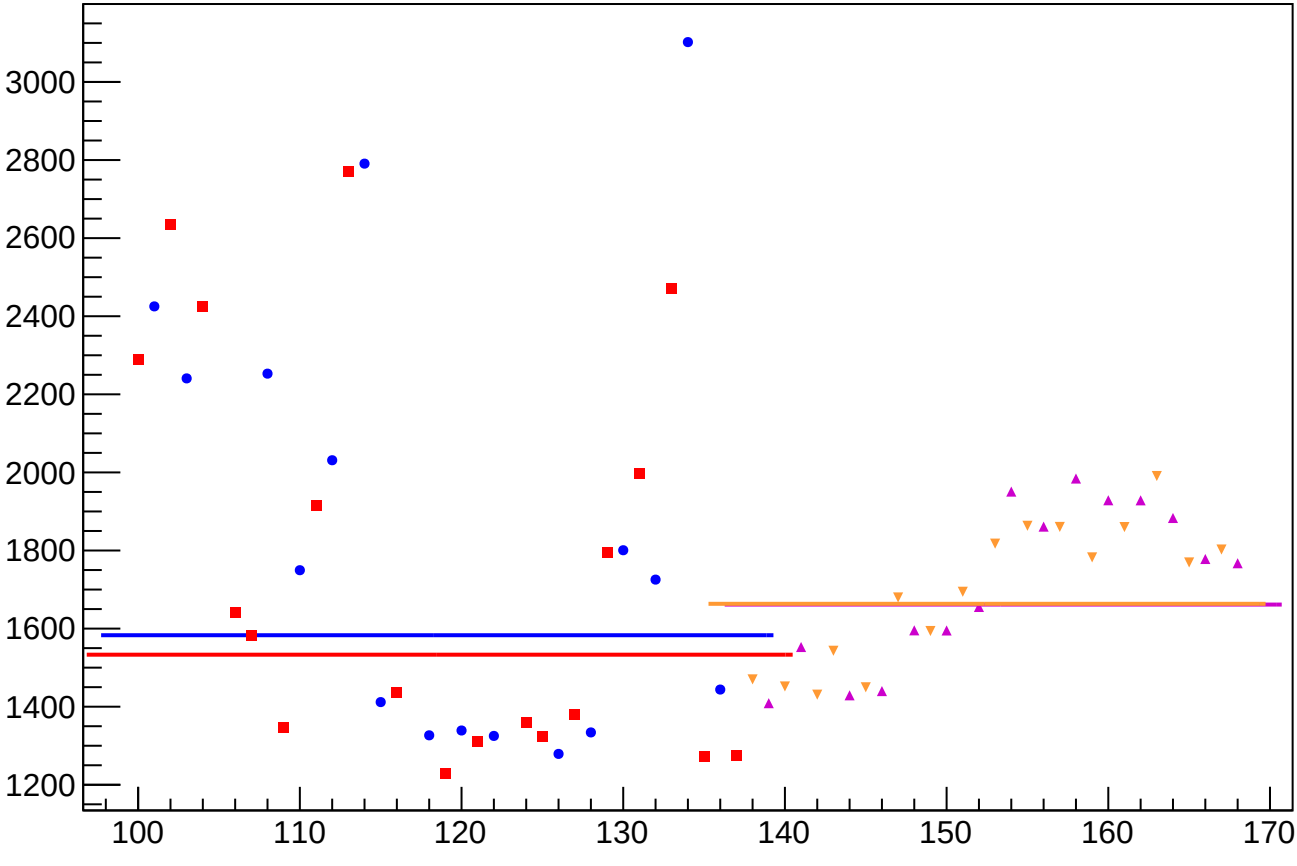
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -2.791+/-0.378 χ^2/NDF:8216.5/30

Out: -2.730+/-0.369 χ^2/NDF:3313.0/34

All: -2.760+/-0.264 χ^2/NDF: 11529.6/65

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1663.488+/-0.333 χ^2/NDF:269962.5/15

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1661.542+/-0.337 χ^2/NDF:353321.7/14

Left: 1662.525+/-0.237 χ^2/NDF: 623301.0/30

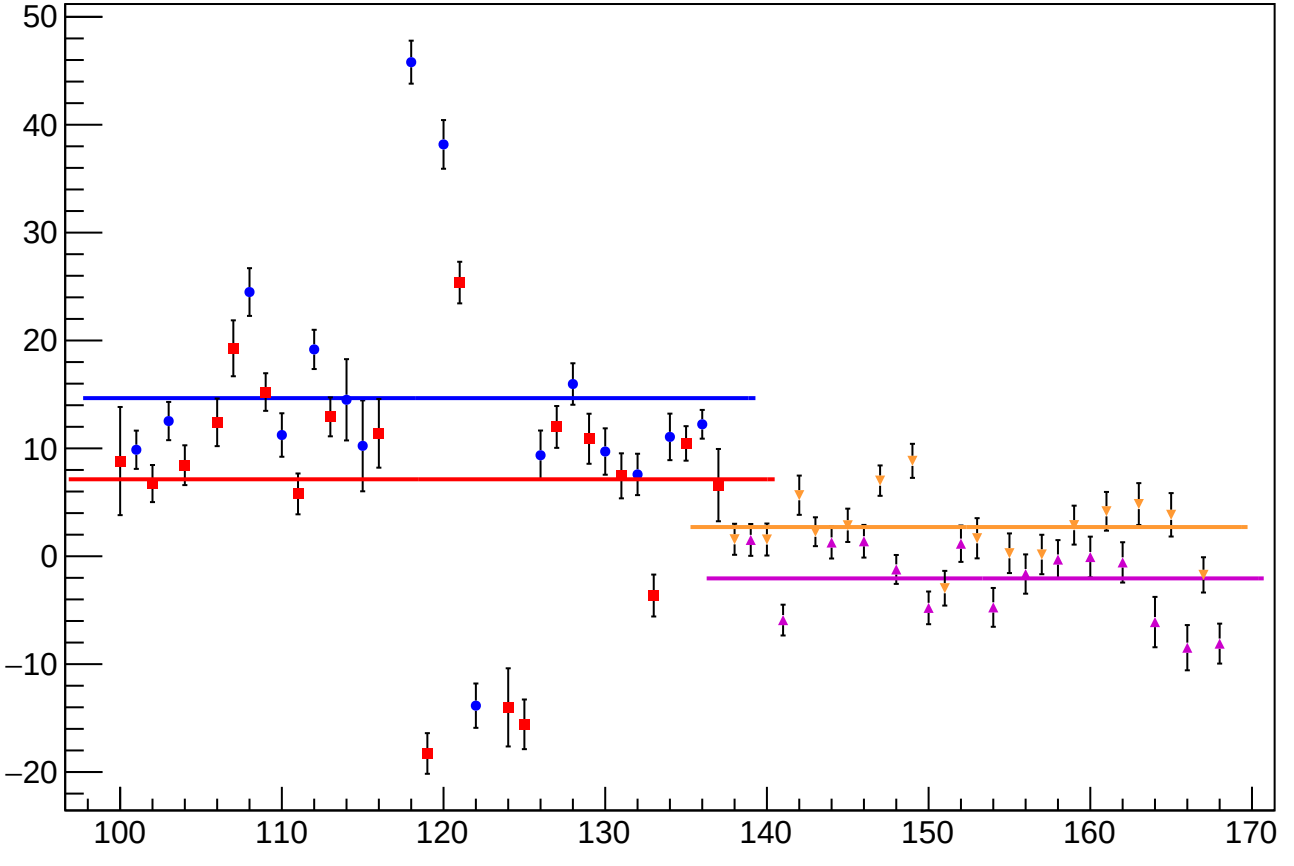
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1632.562+/-0.267 χ^2/NDF:1161060.9/30

Out: 1613.040+/-0.261 χ^2/NDF:1279927.9/34

All: 1622.560+/-0.187 χ^2/NDF: 2443719.4/65

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.708+/-0.412 χ^2/NDF:54.4/15

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.052+/-0.432 χ^2/NDF:58.6/14

Left: 0.439+/-0.298 χ^2/NDF: 176.7/30

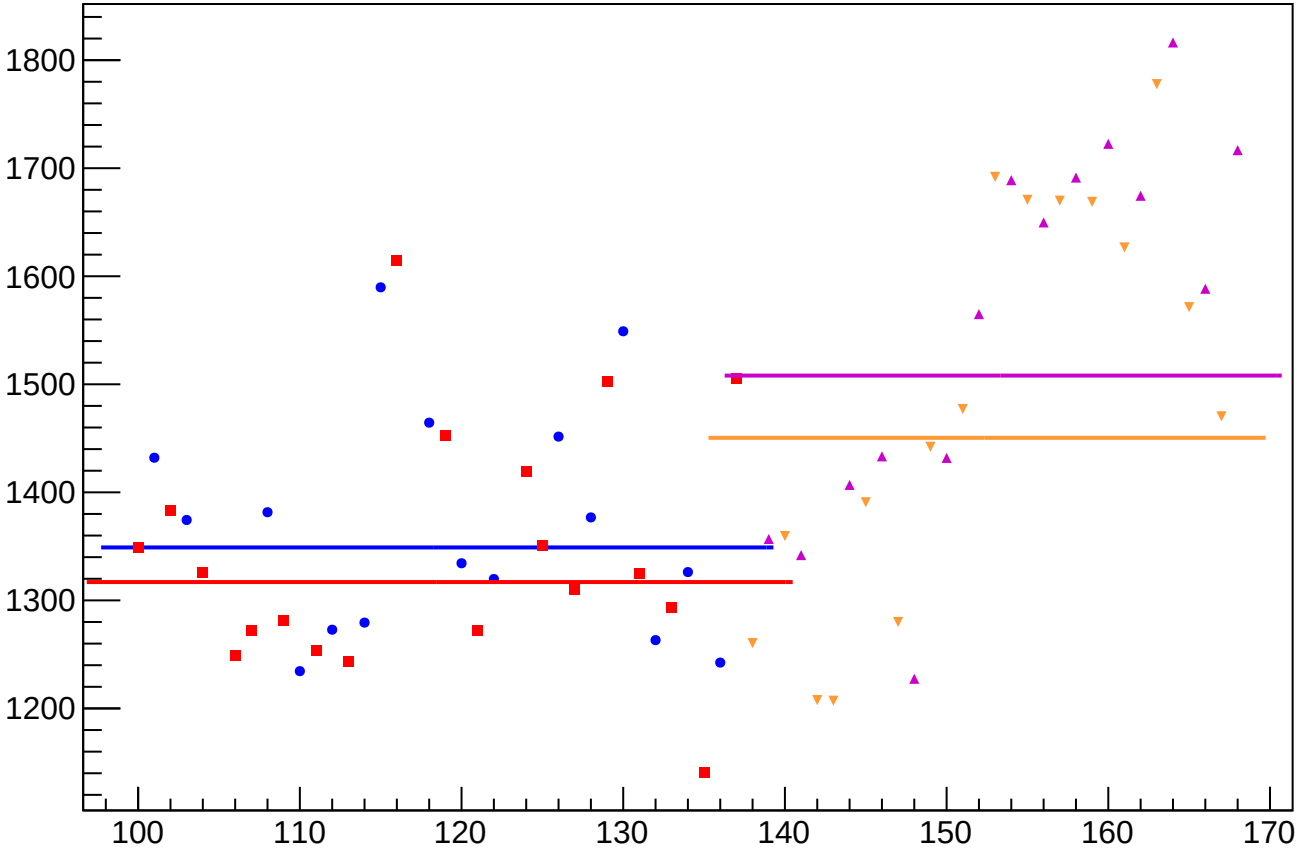
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 5.008+/-0.328 χ^2/NDF:1307.0/30

Out: 4.570+/-0.313 χ^2/NDF:612.4/34

All: 4.779+/-0.227 χ^2/NDF: 1920.3/65

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1450.476+/-0.291 χ^2/NDF:381276.2/15

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1508.059+/-0.305 χ^2/NDF:315123.7/14

Left: 1477.921+/-0.211 χ^2/NDF: 715039.0/30

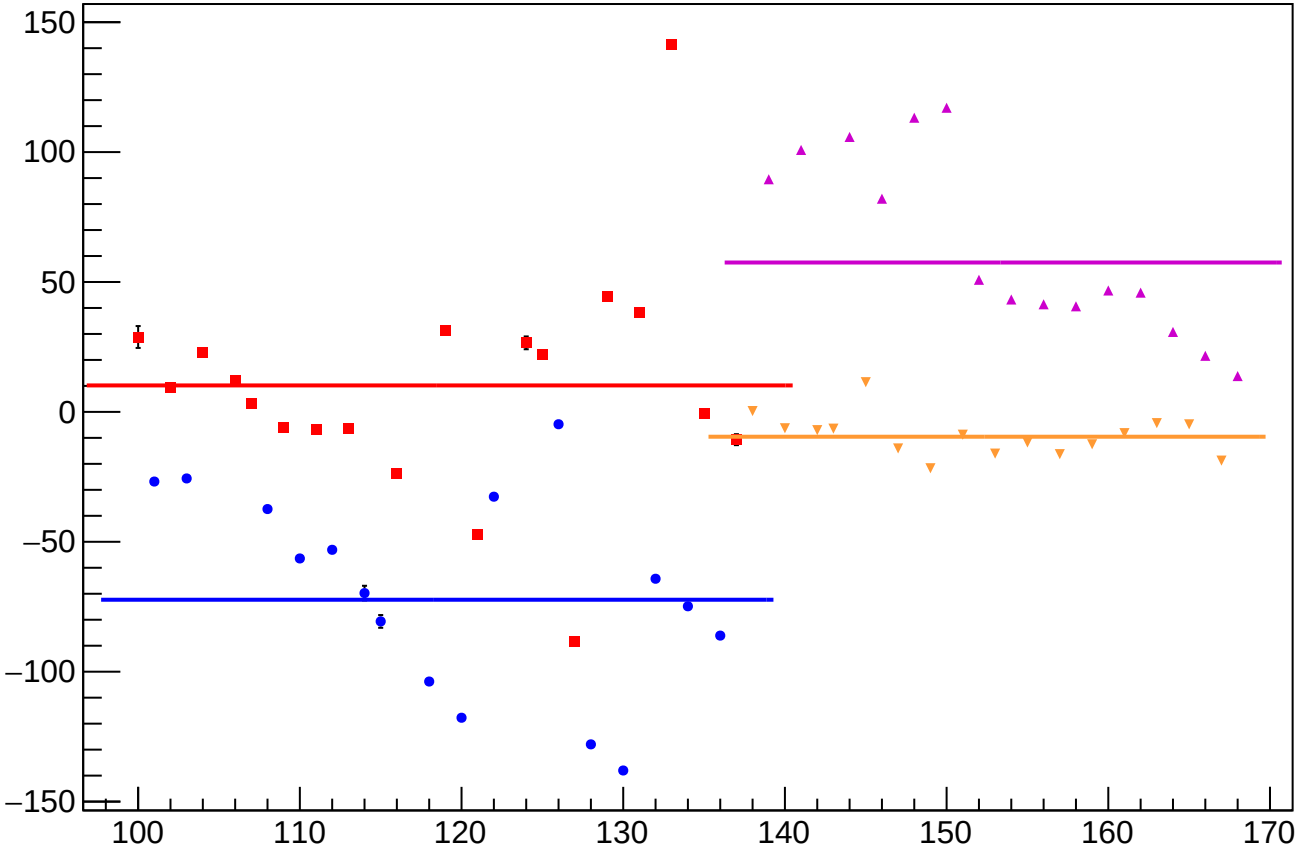
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1440.854+/-0.232 χ^2/NDF:498314.8/30

Out: 1394.300+/-0.222 χ^2/NDF:556609.0/34

All: 1416.524+/-0.160 χ^2/NDF: 1075989.3/65

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.557+/-0.238 χ^2/NDF:977.5/15

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 57.498+/-0.242 χ^2/NDF:17748.7/14

Left: 23.496+/-0.170 χ^2/NDF: 57774.6/30

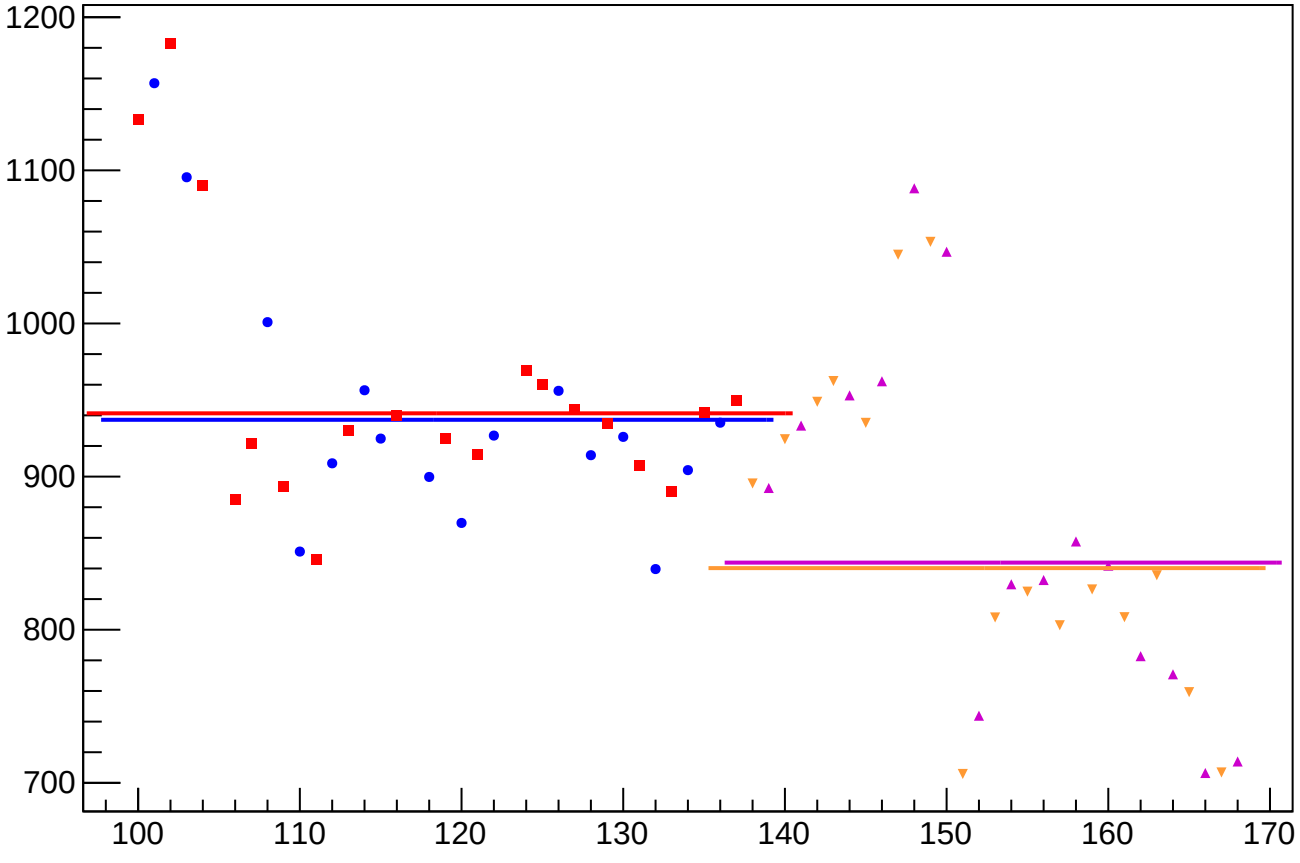
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.511+/-0.199 χ^2/NDF:123242.5/30

Out: -3.170+/-0.196 χ^2/NDF:22245.3/34

All: 6.038+/-0.140 χ^2/NDF: 149967.2/65

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 840.234+/-0.168 χ^2/NDF:349188.1/15

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 843.827+/-0.171 χ^2/NDF:378173.5/14

Left: 842.005+/-0.120 χ^2/NDF: 727585.9/30

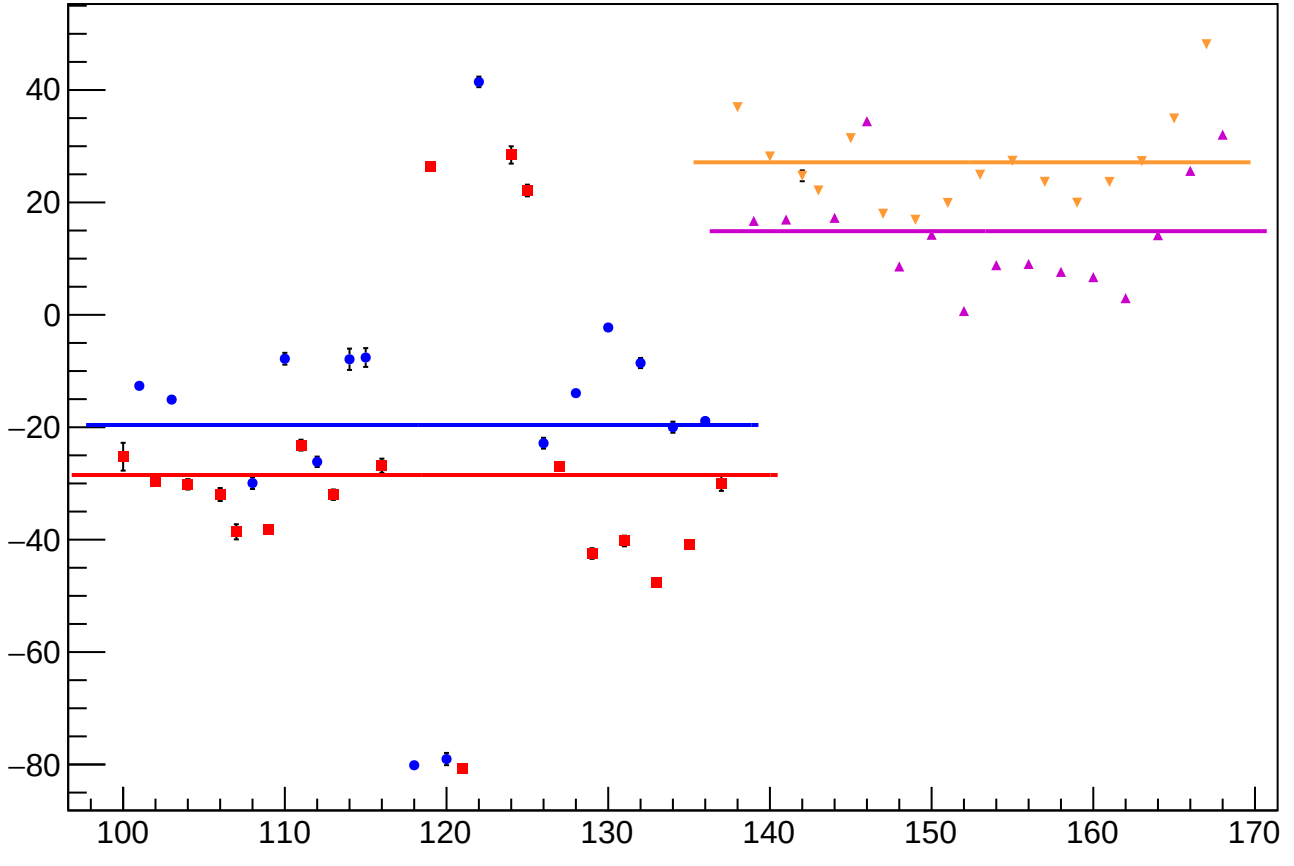
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 873.998+/-0.141 χ^2/NDF:579220.3/30

Out: 872.934+/-0.139 χ^2/NDF:566698.0/34

All: 873.458+/-0.099 χ^2/NDF: 1145947.4/65

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.140+/-0.186 χ^2/NDF:2042.6/15

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 14.884+/-0.189 χ^2/NDF:2824.7/14

Left: 21.121+/-0.133 χ^2/NDF: 7004.3/30

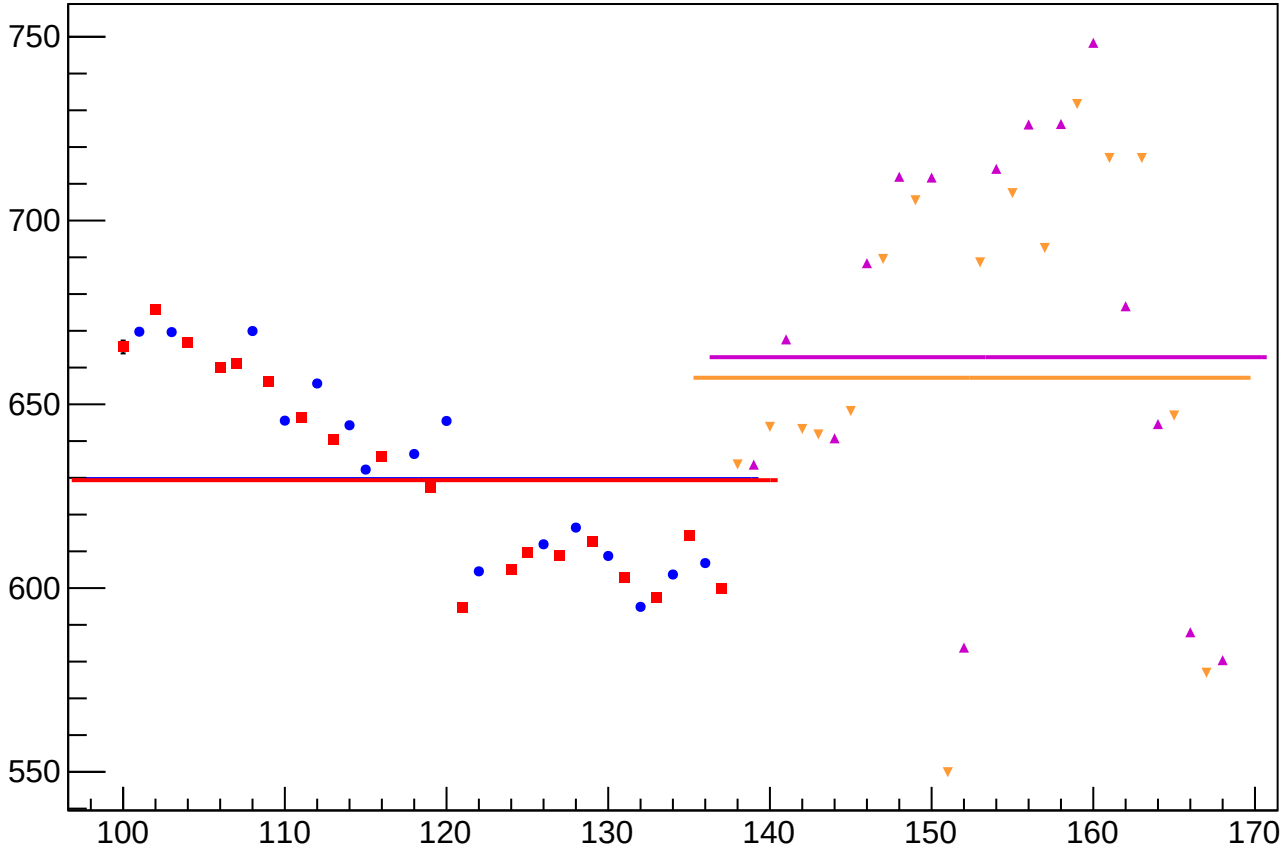
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 1.264+/-0.147 χ^2/NDF:29125.0/30

Out: 5.134+/-0.144 χ^2/NDF:50483.4/34

All: 3.234+/-0.103 χ^2/NDF: 79960.8/65

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 657.231+/-0.131 χ^2/NDF:168815.2/15

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 662.824+/-0.134 χ^2/NDF:167558.0/14

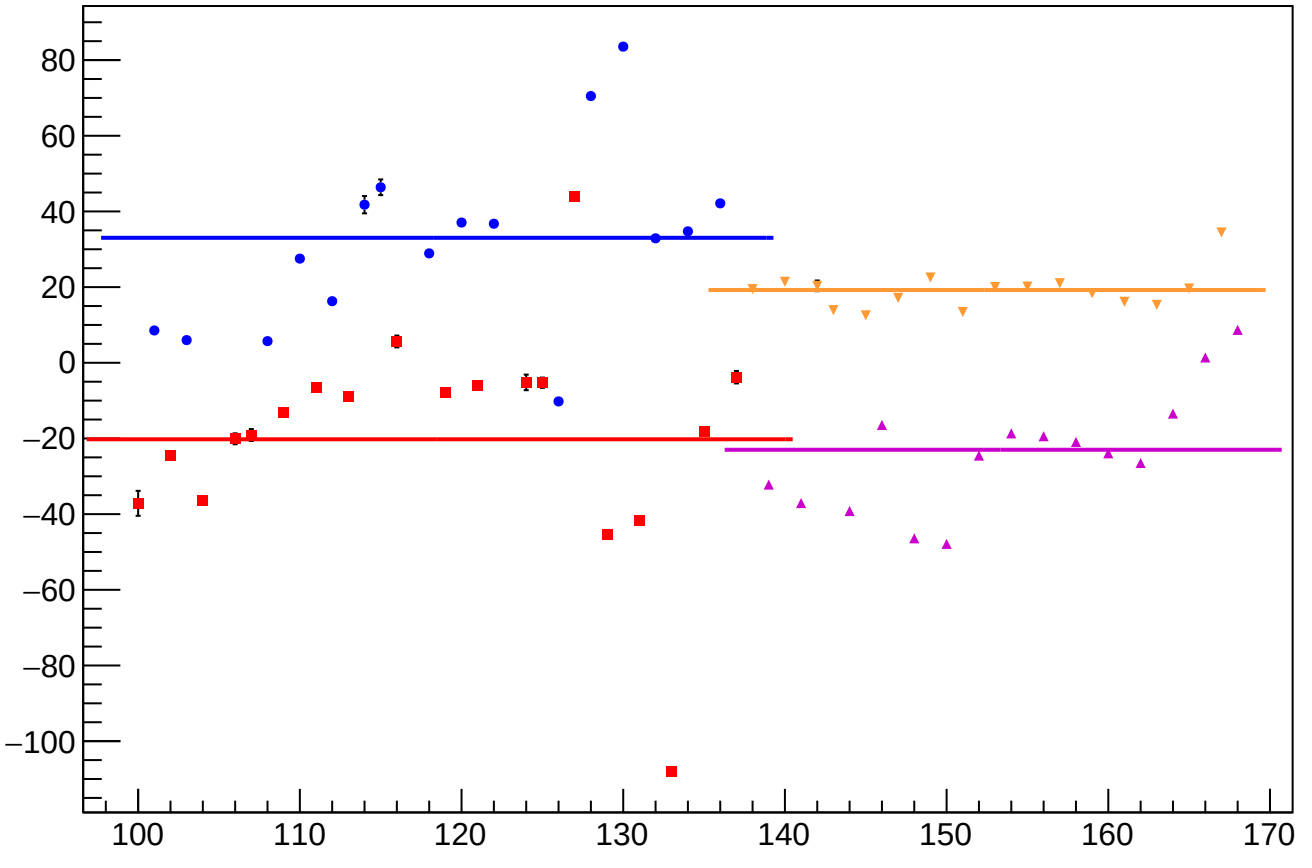
Left: 659.978+/-0.094 χ^2/NDF: 337263.5/30

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

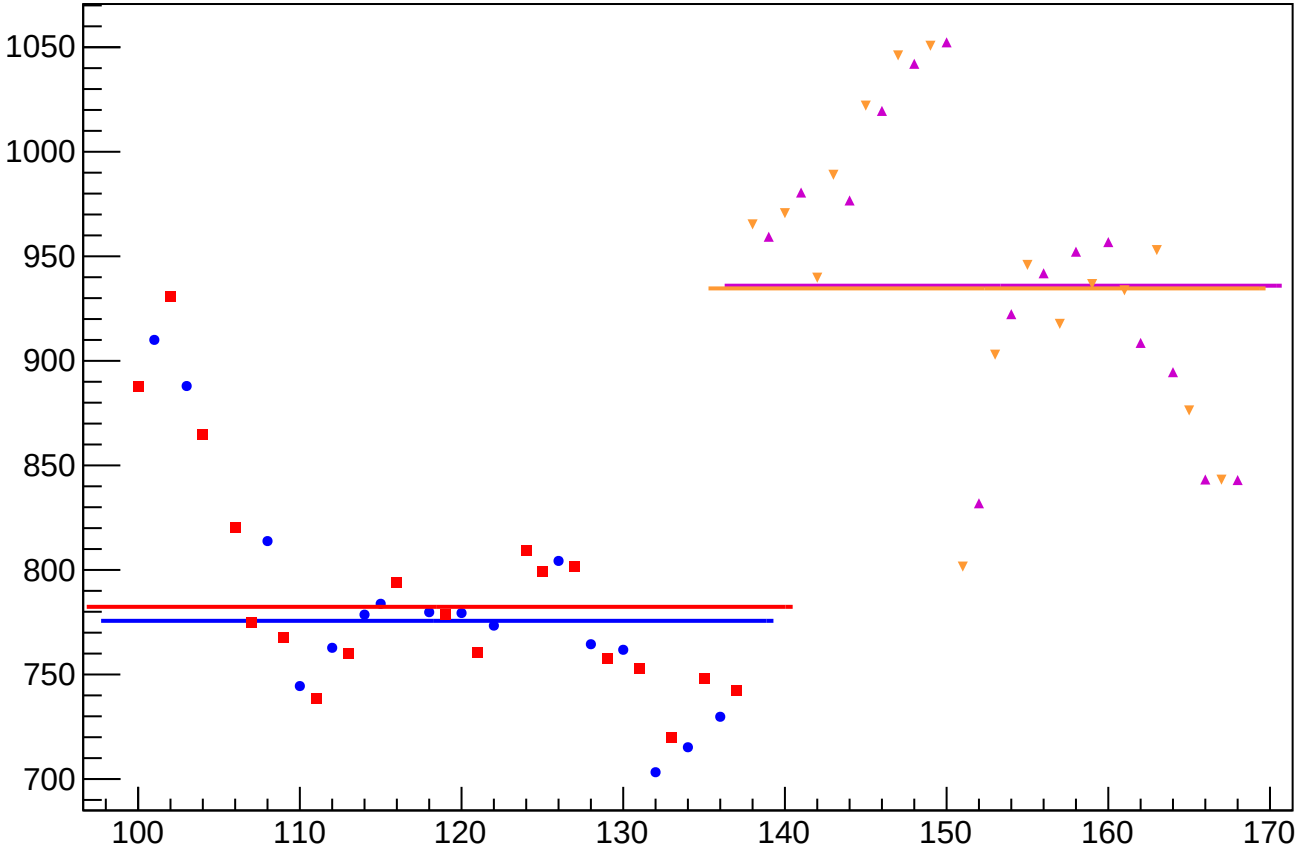
In: 649.724+/-0.104 χ^2/NDF:217166.5/30

Out: 646.207+/-0.102 χ^2/NDF:213407.1/34

All: 647.934+/-0.073 χ^2/NDF: 431155.4/65


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 19.230+/-0.264 χ²/NDF:411.5/15
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -22.985+/-0.267 χ²/NDF:3291.4/14
Left: -1.651+/-0.188 χ²/NDF: 16370.5/30
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 2.782+/-0.196 χ²/NDF:30294.0/30
Out: 1.095+/-0.194 χ²/NDF:22561.1/34
All: 1.930+/-0.138 χ²/NDF: 52892.5/65

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 934.648+/-0.187 χ^2/NDF:134323.5/15

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 935.950+/-0.189 χ^2/NDF:126887.8/14

Left: 935.292+/-0.133 χ^2/NDF: 261235.4/30

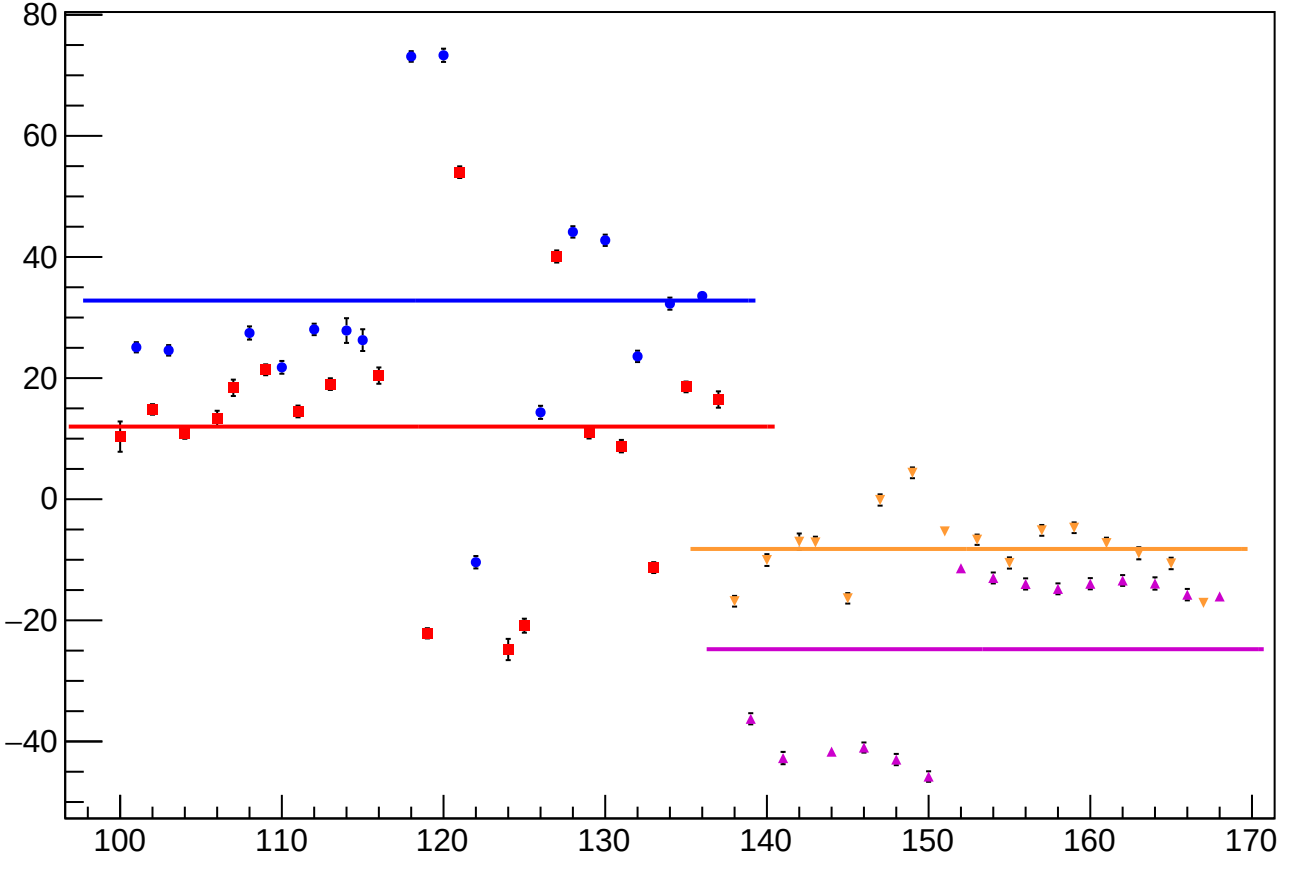
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 862.223+/-0.139 χ^2/NDF:533992.0/30

Out: 864.633+/-0.137 χ^2/NDF:505343.9/34

All: 863.441+/-0.097 χ^2/NDF: 1039488.8/65

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.211+/-0.224 χ^2/NDF:655.9/15

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.767+/-0.226 χ^2/NDF:3668.9/14

Left: -16.417+/-0.159 χ^2/NDF: 7023.8/30

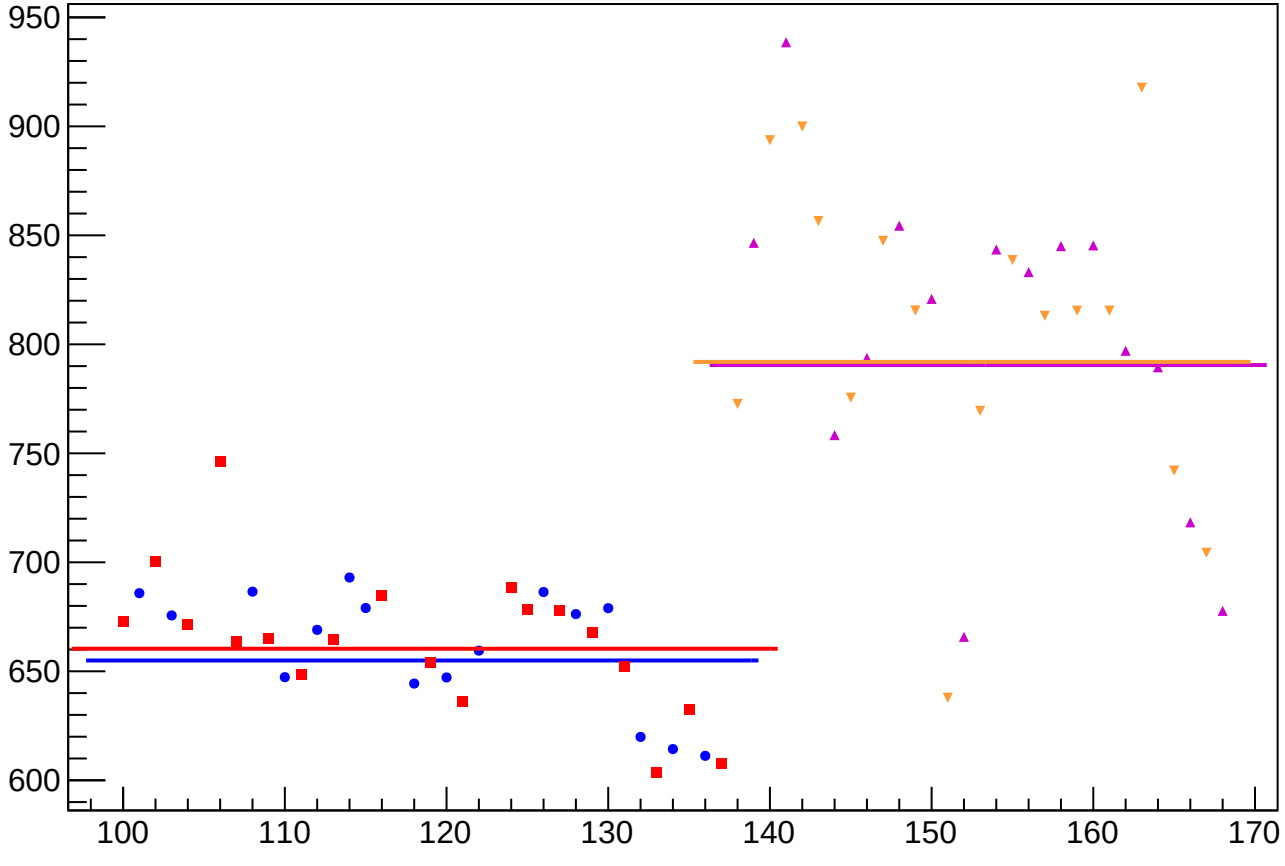
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 1.913+/-0.166 χ^2/NDF:39917.4/30

Out: 1.165+/-0.164 χ^2/NDF:10978.4/34

All: 1.536+/-0.117 χ^2/NDF: 50906.0/65

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 791.932+/-0.159 χ^2/NDF:224756.3/15

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 790.504+/-0.160 χ^2/NDF:209466.3/14

Left: 791.224+/-0.113 χ^2/NDF: 434262.8/30

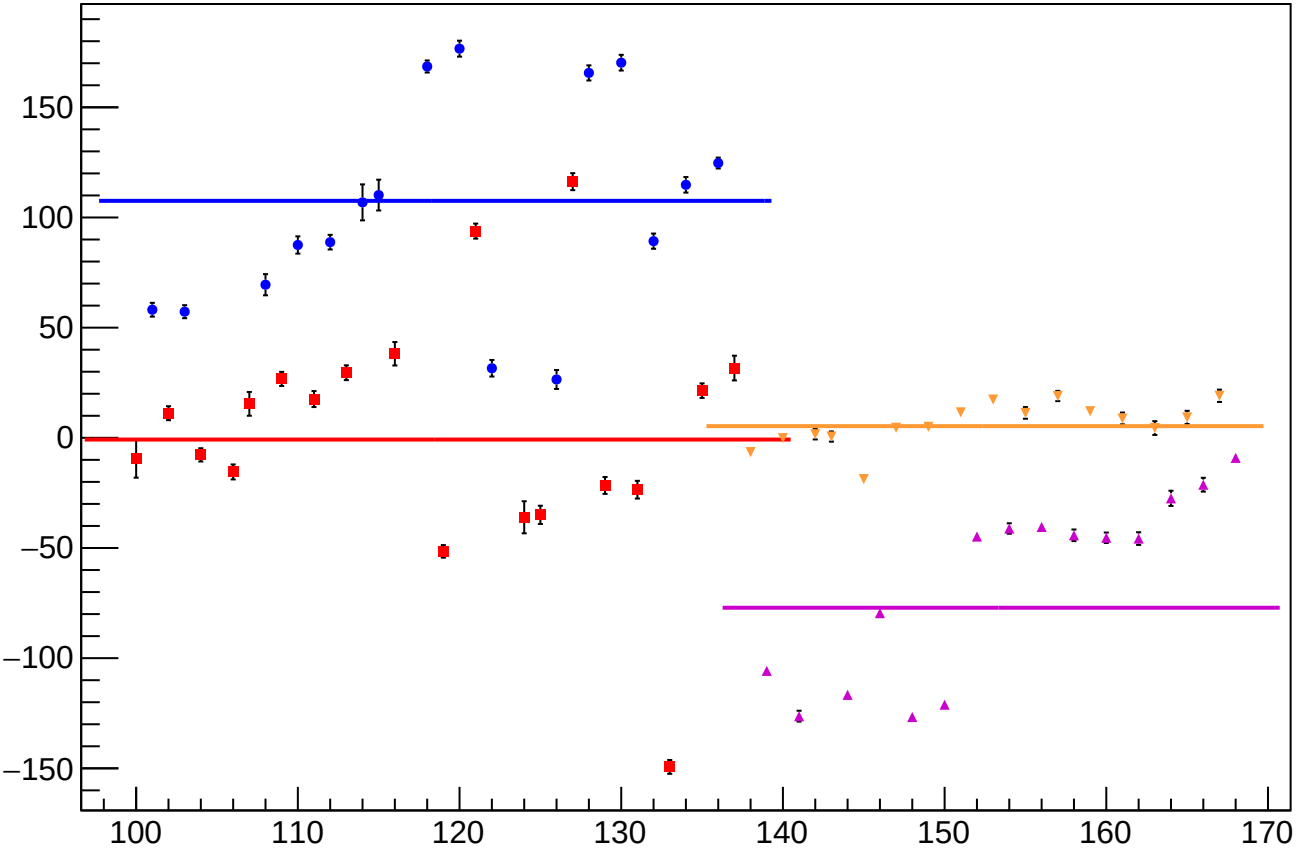
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 727.693+/-0.117 χ^2/NDF:568631.6/30

Out: 730.872+/-0.116 χ^2/NDF:574341.9/34

All: 729.297+/-0.083 χ^2/NDF: 1143344.8/65

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 5.297+/-0.557 χ^2/NDF:306.9/15

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -77.112+/-0.560 χ^2/NDF:5174.2/14

Left: -35.710+/-0.395 χ^2/NDF: 16374.6/30

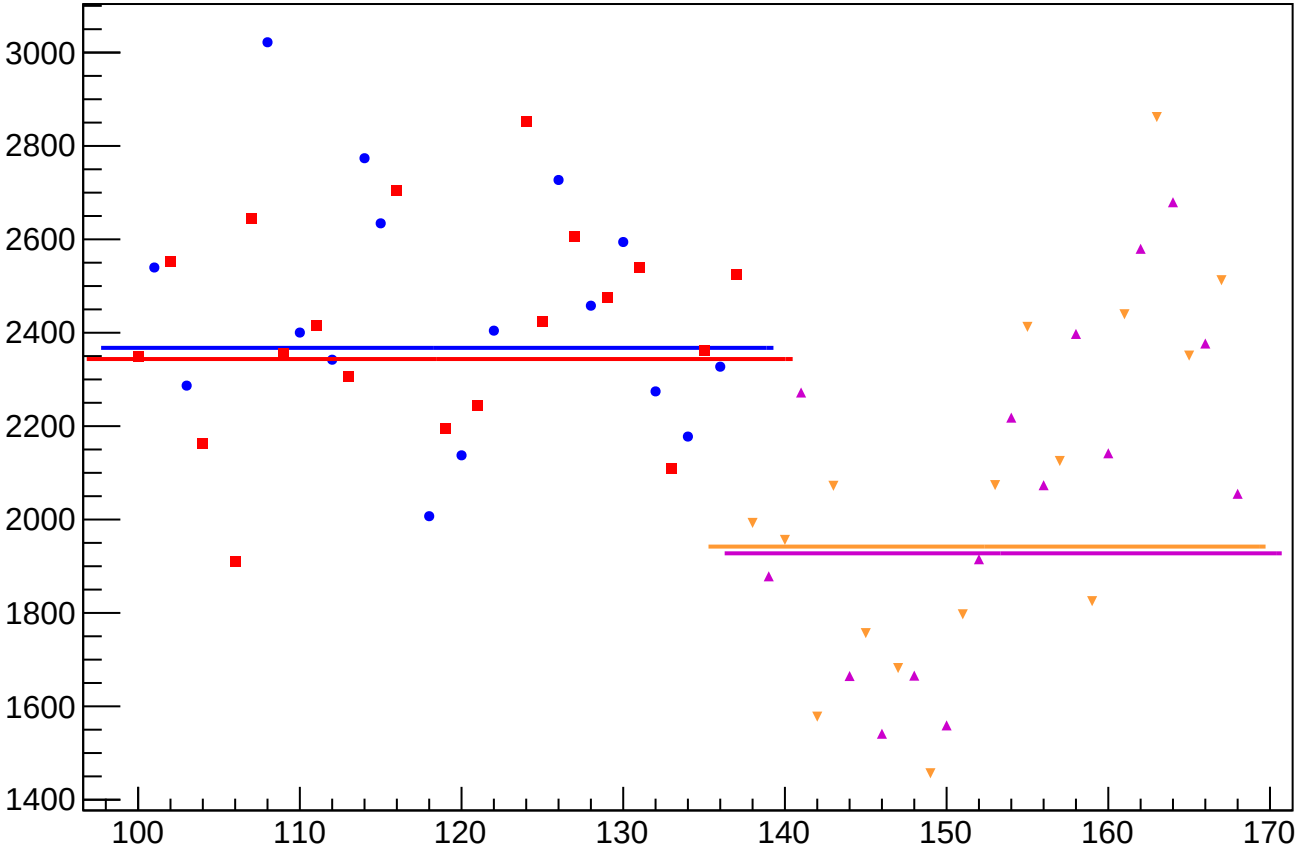
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -24.392+/-0.473 χ^2/NDF:39213.5/30

Out: 3.501+/-0.468 χ^2/NDF:5106.0/34

All: -10.284+/-0.333 χ^2/NDF: 46077.9/65

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1942.079+/-0.394 χ^2/NDF:757066.9/15

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1927.637+/-0.396 χ^2/NDF:700585.7/14

Left: 1934.893+/-0.279 χ^2/NDF: 1458321.7/30

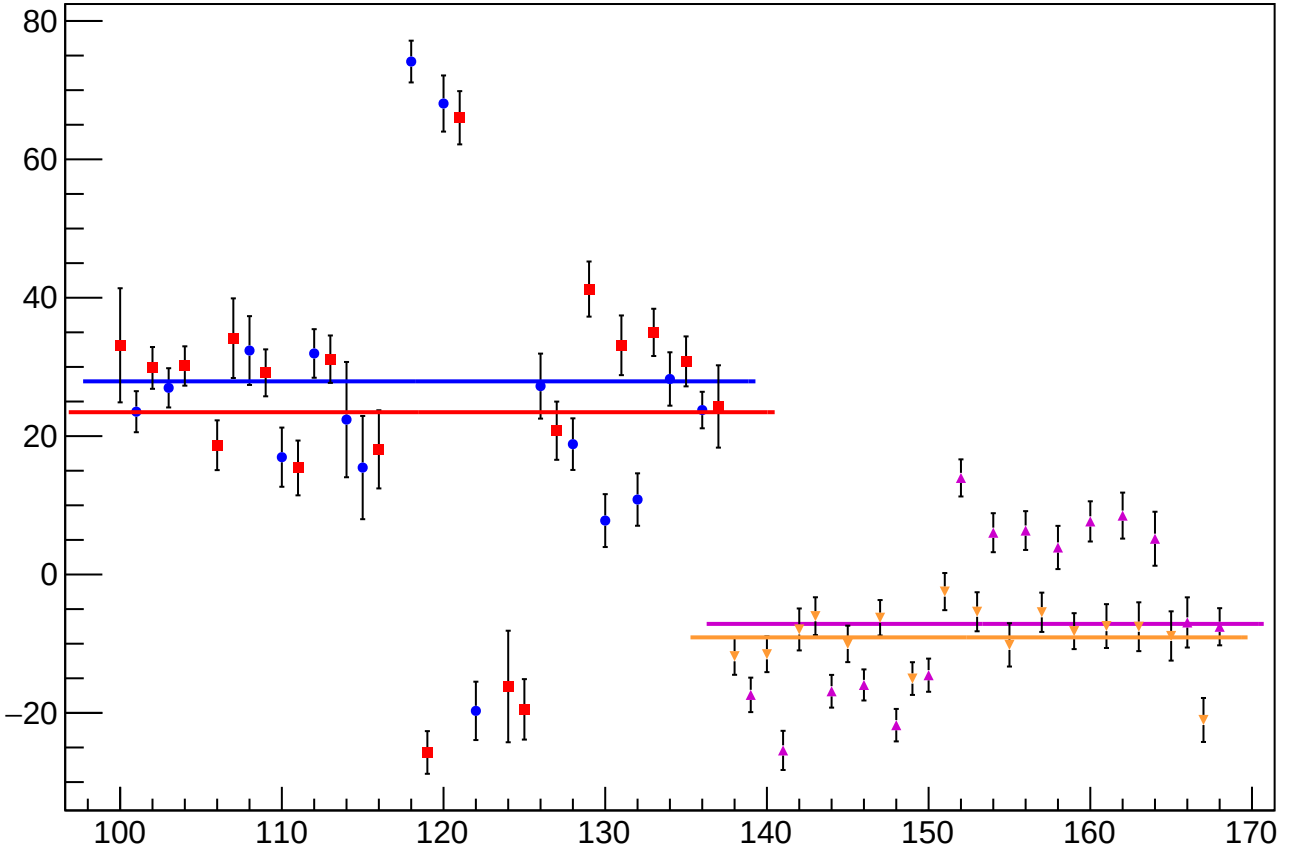
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2053.256+/-0.335 χ^2/NDF:1180298.5/30

Out: 2060.597+/-0.331 χ^2/NDF:1176226.2/34

All: 2056.969+/-0.235 χ^2/NDF: 2356768.4/65

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.086+/-0.707 χ^2/NDF:35.3/15

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.138+/-0.707 χ^2/NDF:317.1/14

Left: -8.112+/-0.500 χ^2/NDF: 356.1/30

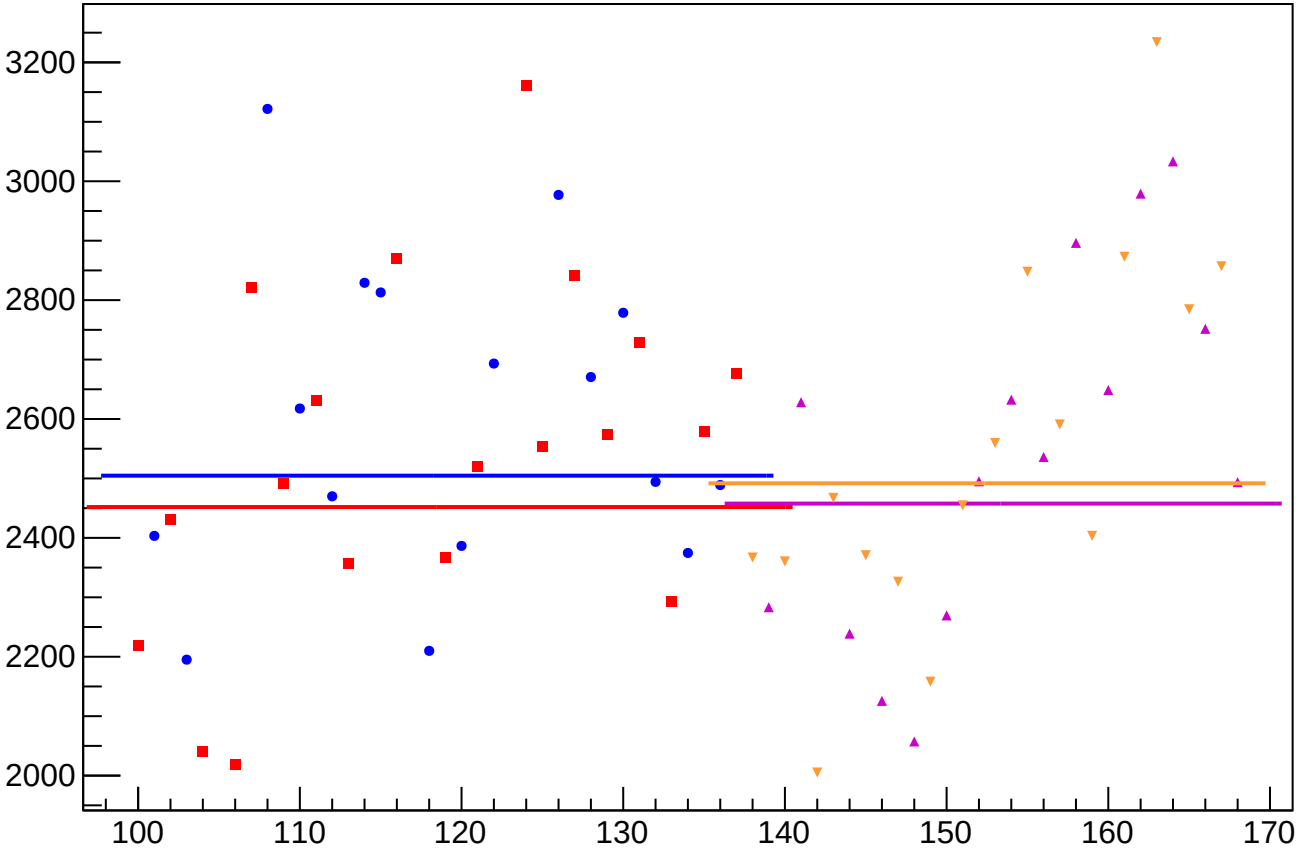
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 5.574+/-0.564 χ^2/NDF:1740.3/30

Out: 3.278+/-0.556 χ^2/NDF:1409.2/34

All: 4.410+/-0.396 χ^2/NDF: 3157.9/65

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2491.785+/-0.500 χ^2/NDF:303169.0/15

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2457.686+/-0.500 χ^2/NDF:312386.5/14

Left: 2474.738+/-0.353 χ^2/NDF: 617884.6/30

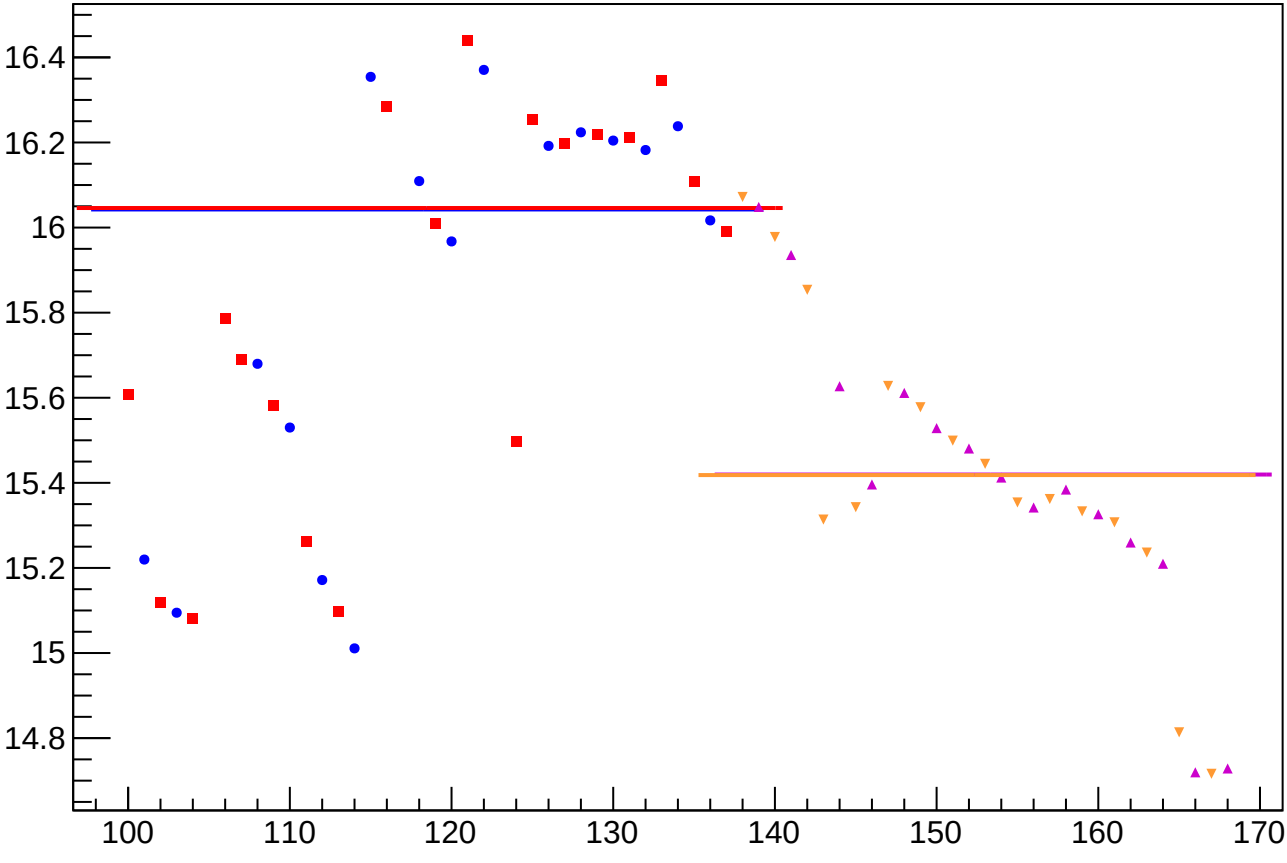
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2474.719+/-0.399 χ^2/NDF:442190.0/30

Out: 2476.625+/-0.393 χ^2/NDF:458830.2/34

All: 2475.685+/-0.280 χ^2/NDF: 901031.7/65

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.418+/-0.000 χ^2/NDF:12956900997.3/15

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.420+/-0.000 χ^2/NDF:12159886096.5/14

Left: 15.419+/-0.000 χ^2/NDF: 25116864907.4/30

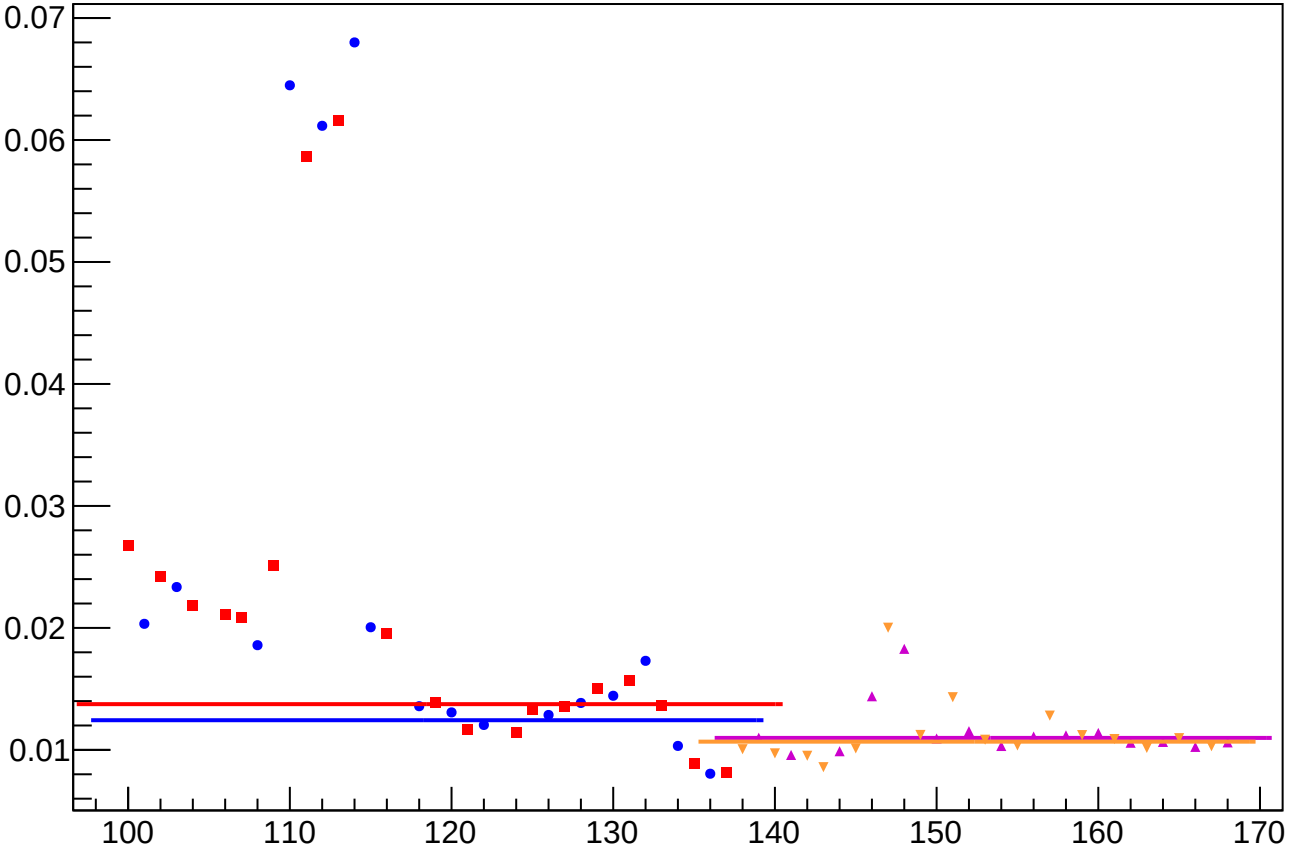
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.588+/-0.000 χ^2/NDF:25076992120.0/30

Out: 15.561+/-0.000 χ^2/NDF:25677009767.1/34

All: 15.574+/-0.000 χ^2/NDF: 50805672201.1

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:638291.9/15

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:423152.1/14

Left: 0.011+/-0.000 χ^2/NDF: 1070778.5/30

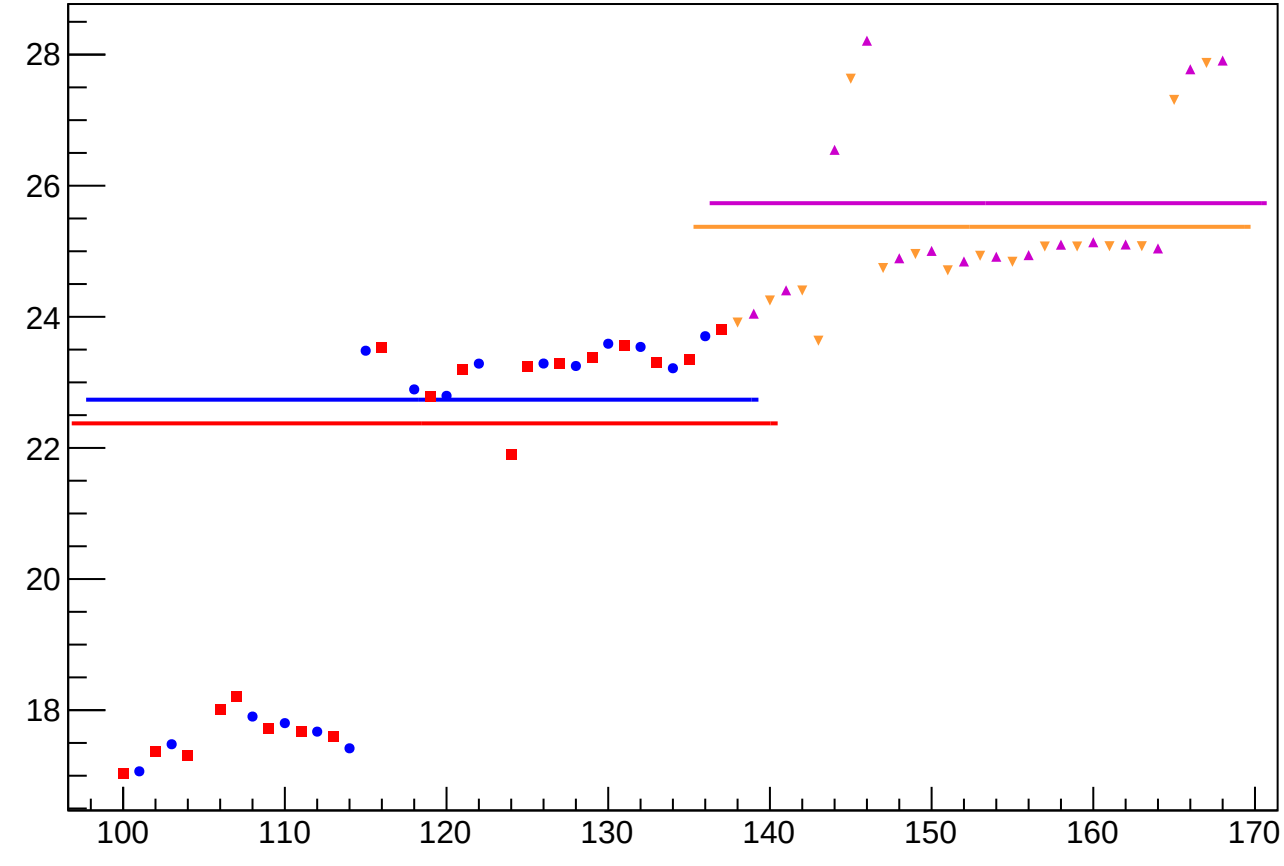
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2849179.5/30

Out: 0.011+/-0.000 χ^2/NDF:3308951.8/34

All: 0.011+/-0.000 χ^2/NDF: 6158132.8/65

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.373+/-0.000 χ^2/NDF:1524369059.2/15

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.733+/-0.000 χ^2/NDF:1320455448.8/14

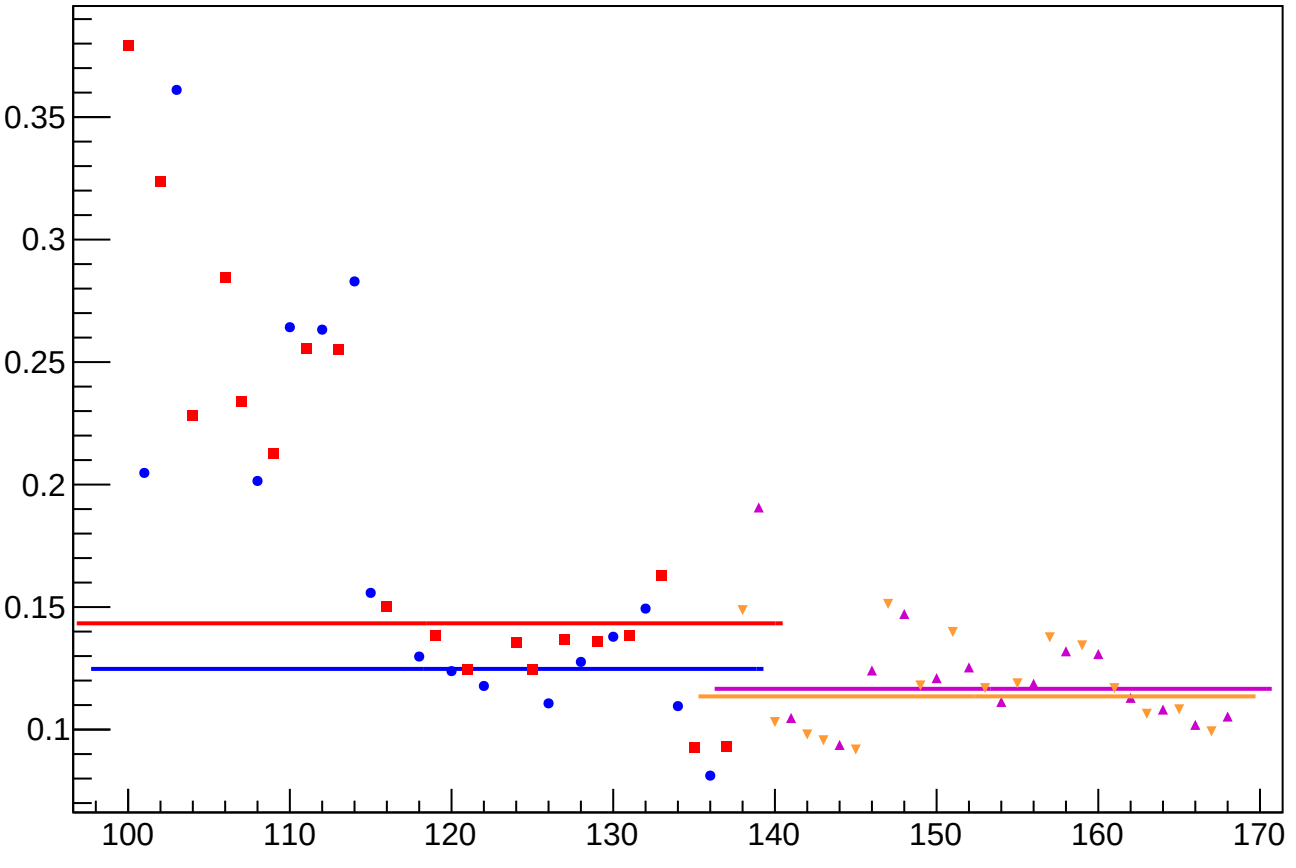
Left: 25.548+/-0.000 χ^2/NDF: 2896954794.2/30

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.816+/-0.000 χ^2/NDF:4683043060.8/30

Out: 24.617+/-0.000 χ^2/NDF:4619287025.5/34

All: 24.717+/-0.000 χ^2/NDF: 9324441461.9/6



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.114+/-0.000 χ^2/NDF:503511.3/15

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.117+/-0.000 χ^2/NDF:529359.9/14

Left: 0.115+/-0.000 χ^2/NDF: 1040551.6/30

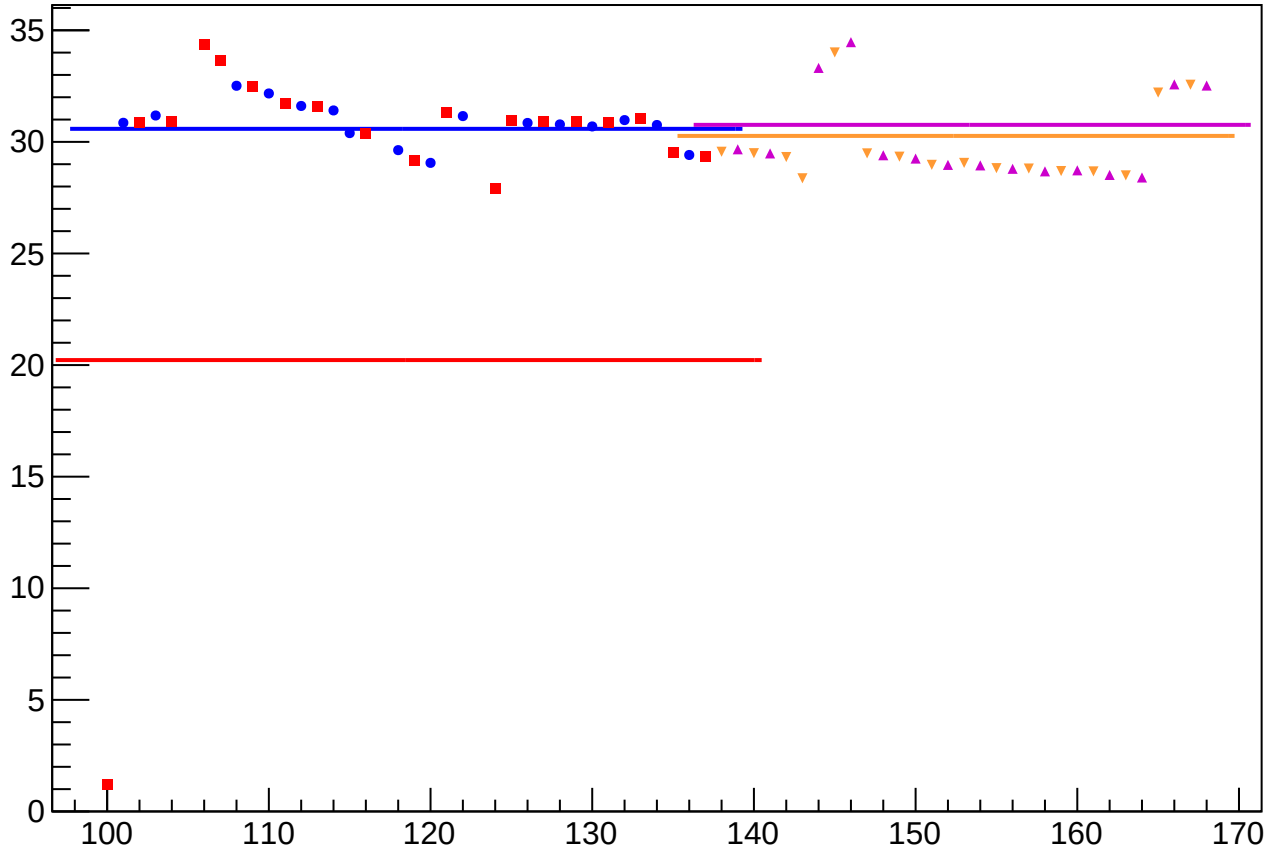
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.119+/-0.000 χ^2/NDF:2310678.3/30

Out: 0.121+/-0.000 χ^2/NDF:2445521.4/34

All: 0.120+/-0.000 χ^2/NDF: 4760404.5/65

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.268+/-0.000 χ^2/NDF:8818593147.2/15

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.763+/-0.000 χ^2/NDF:11078913237.6/14

Left: 30.519+/-0.000 χ^2/NDF: 20173427160.6/30

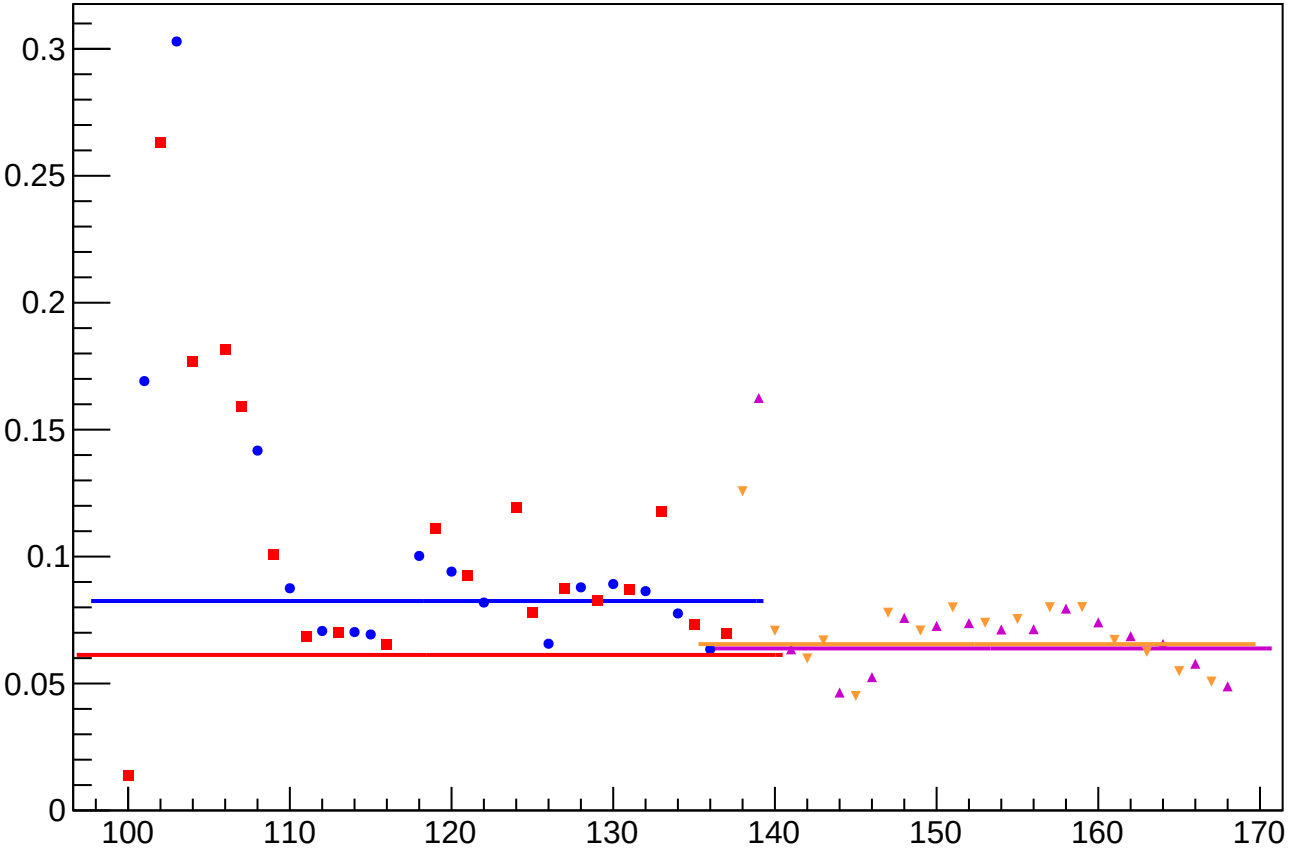
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.718+/-0.000 χ^2/NDF:11749589910.4/30

Out: 26.963+/-0.000 χ^2/NDF:303728663837.6/34

All: 28.768+/-0.000 χ^2/NDF: 337891282853.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:922909.0/15

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.064+/-0.000 χ^2/NDF:1189622.3/14

Left: 0.065+/-0.000 χ^2/NDF: 2119023.6/30

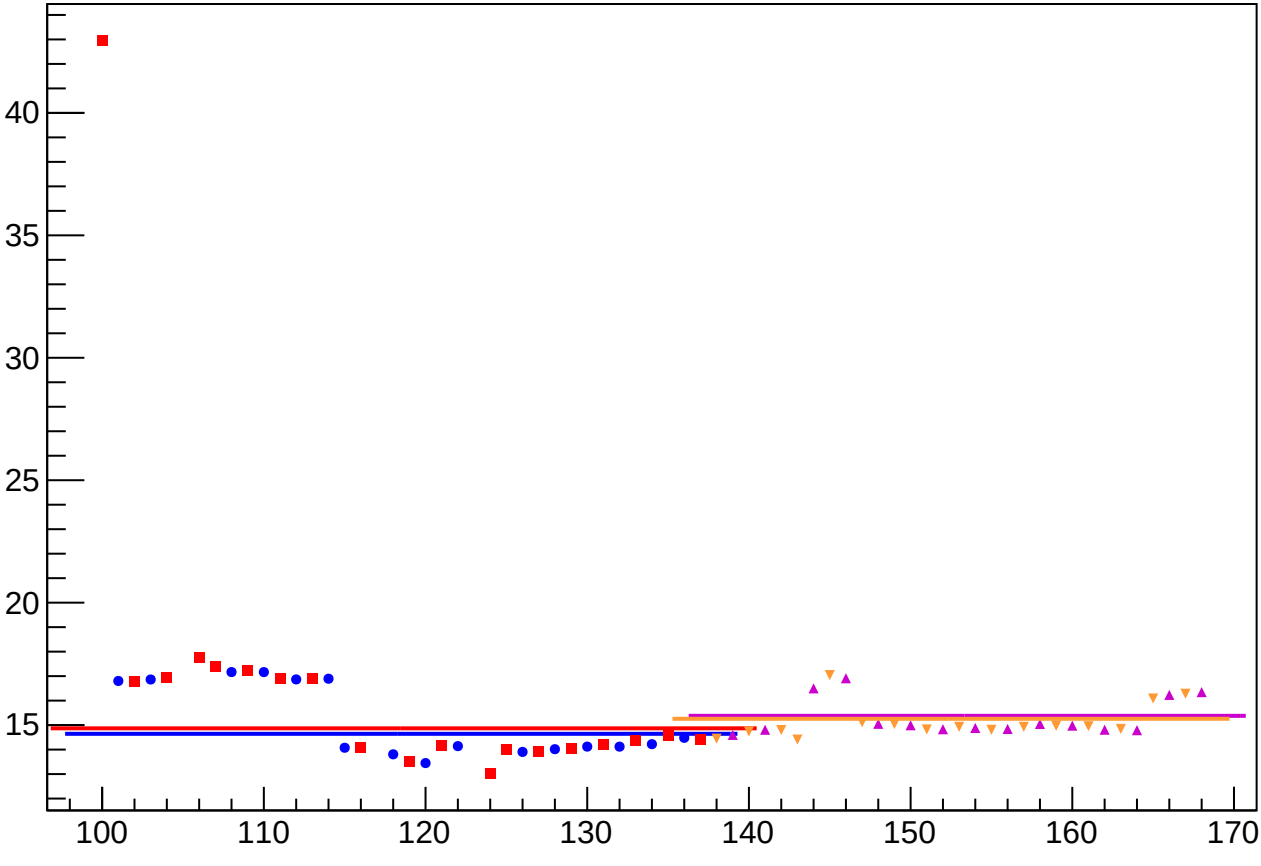
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.069+/-0.000 χ^2/NDF:2854530.8/30

Out: 0.064+/-0.000 χ^2/NDF:4963641.3/34

All: 0.066+/-0.000 χ^2/NDF: 7880417.8/65

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.258+/-0.000 χ^2/NDF:1374221539.6/15

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.378+/-0.000 χ^2/NDF:1284853318.9/14

Left: 15.317+/-0.000 χ^2/NDF: 2675790263.5/30

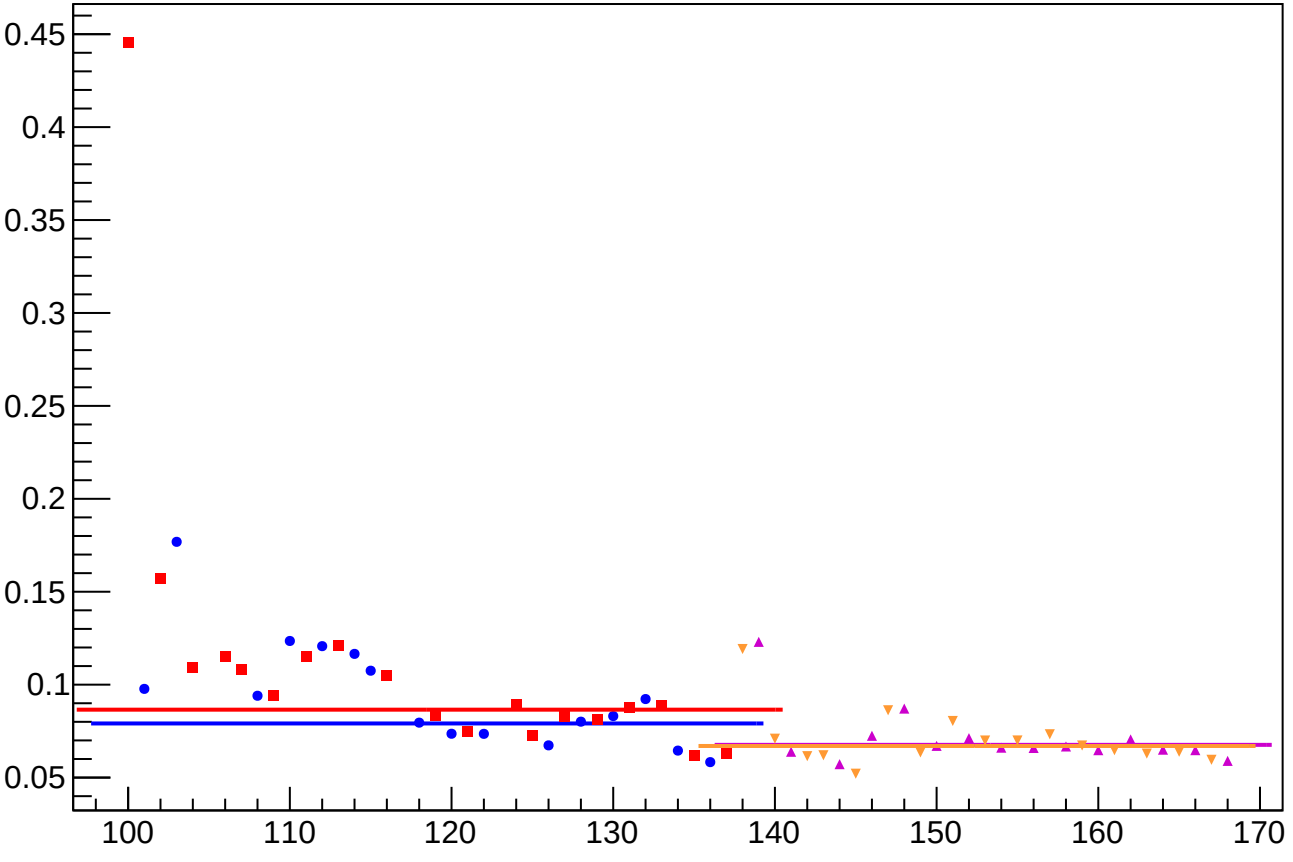
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.164+/-0.000 χ^2/NDF:2836928014.1/30

Out: 15.157+/-0.000 χ^2/NDF:3196601081.6/34

All: 15.161+/-0.000 χ^2/NDF: 6033619639.0/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:561843.6/15

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.068+/-0.000 χ^2/NDF:512999.8/14

Left: 0.067+/-0.000 χ^2/NDF: 1075684.4/30

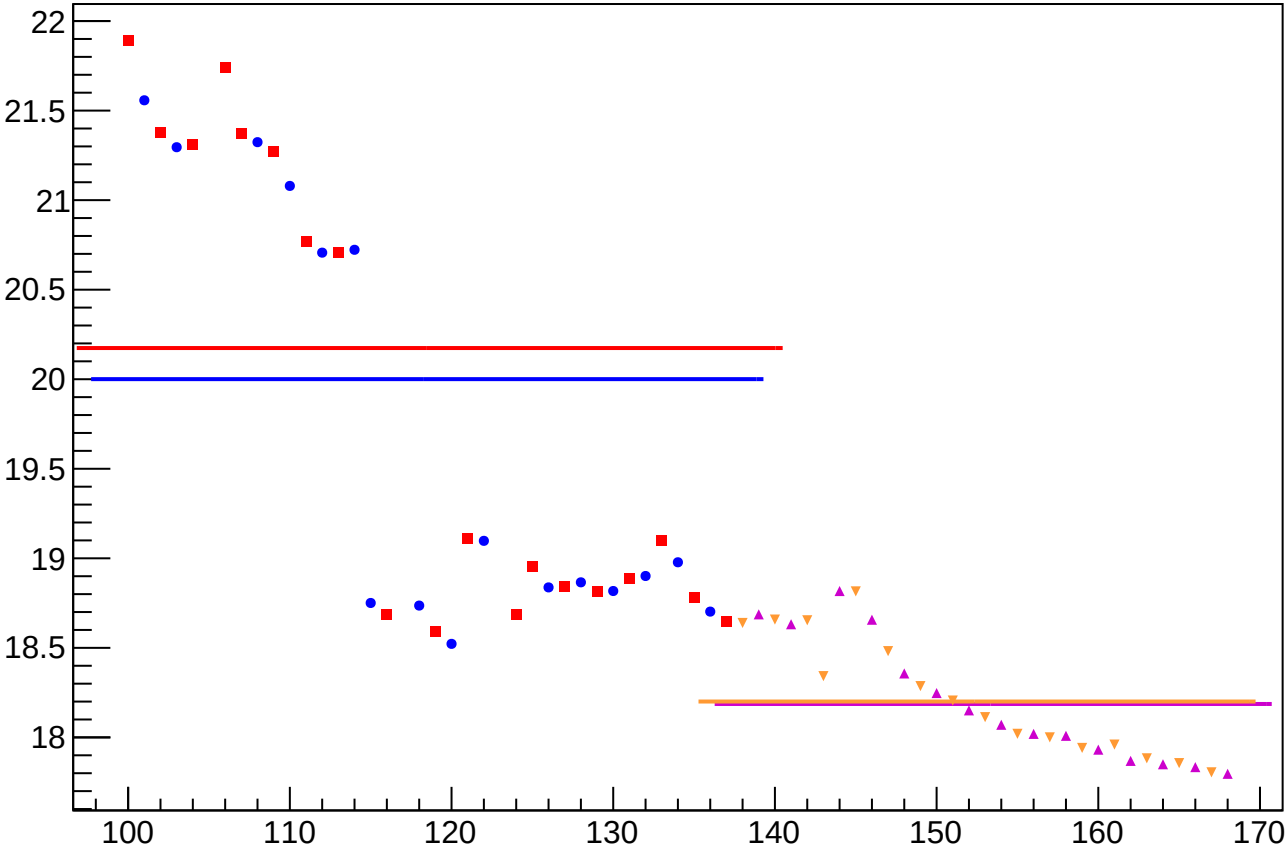
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.071+/-0.000 χ^2/NDF:1607601.1/30

Out: 0.072+/-0.000 χ^2/NDF:1819188.6/34

All: 0.072+/-0.000 χ^2/NDF: 3430719.0/65

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.200+/-0.000 χ^2/NDF:1197450854.9/15

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.187+/-0.000 χ^2/NDF:1274904630.4/14

Left: 18.194+/-0.000 χ^2/NDF: 2473432127.4/30

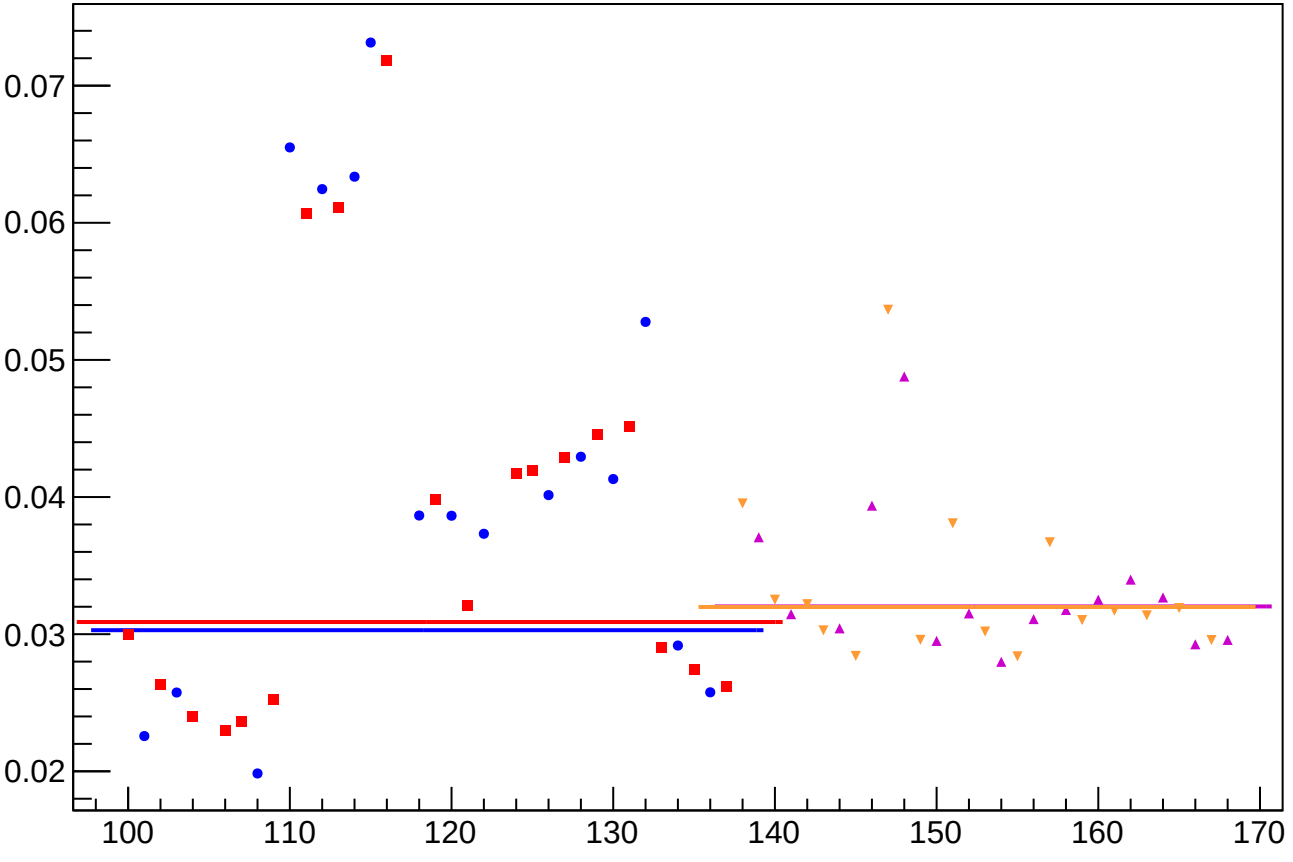
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.846+/-0.000 χ^2/NDF:25766106746.2/30

Out: 18.910+/-0.000 χ^2/NDF:27885498778.2/34

All: 18.878+/-0.000 χ^2/NDF: 53689197420.3

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:465593.7/15

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:355958.7/14

Left: 0.032+/-0.000 χ^2/NDF: 821571.1/30

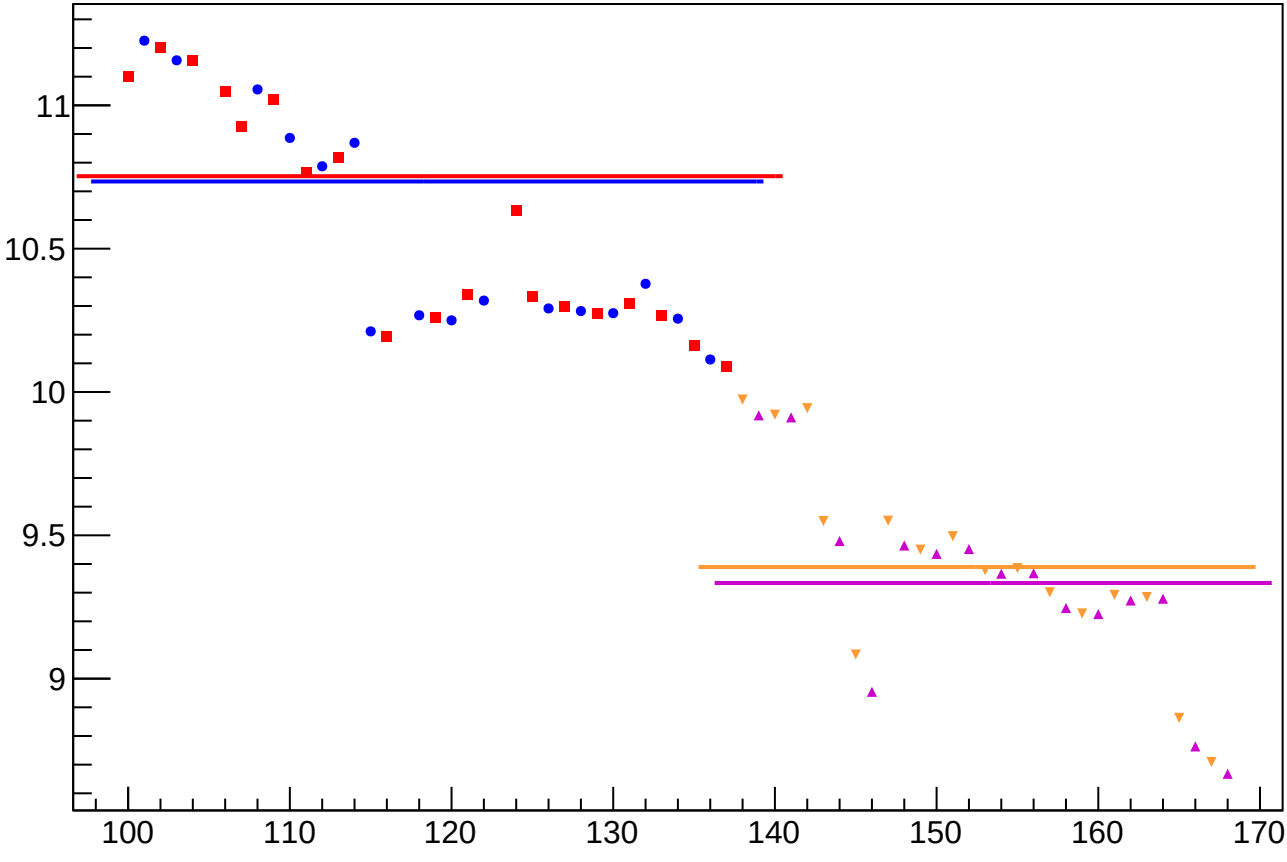
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1828175.2/30

Out: 0.032+/-0.000 χ^2/NDF:1680350.5/34

All: 0.031+/-0.000 χ^2/NDF: 3509210.7/65

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.390+/-0.000 χ^2/NDF:3335535473.0/15

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.334+/-0.000 χ^2/NDF:2911681974.0/14

Left: 9.363+/-0.000 χ^2/NDF: 6291641869.9/30

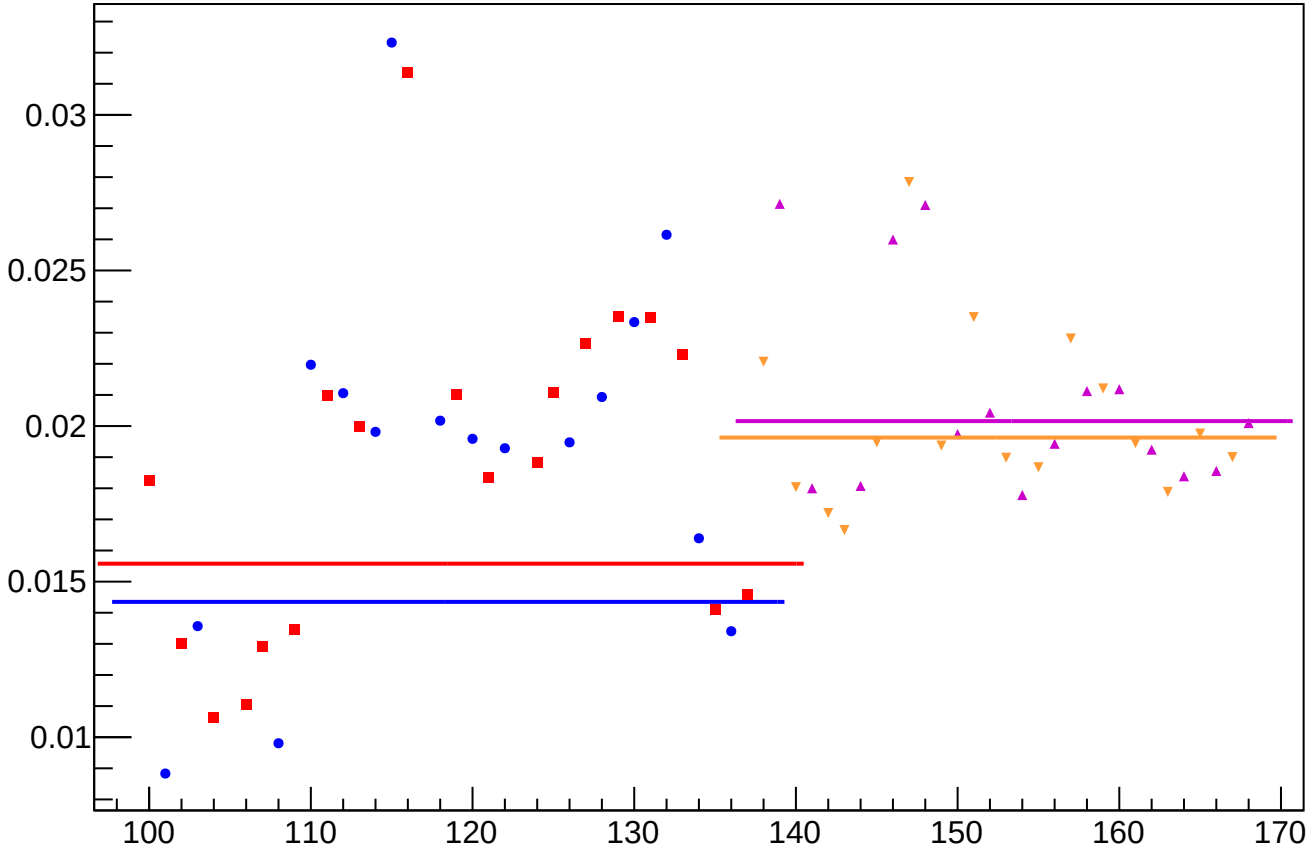
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.035+/-0.000 χ^2/NDF:35849355106.4/30

Out: 10.021+/-0.000 χ^2/NDF:33129048587.1/34

All: 10.028+/-0.000 χ^2/NDF: 68983658439.9

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:332106.7/15

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:399954.3/14

Left: 0.020+/-0.000 χ^2/NDF: 740025.7/30

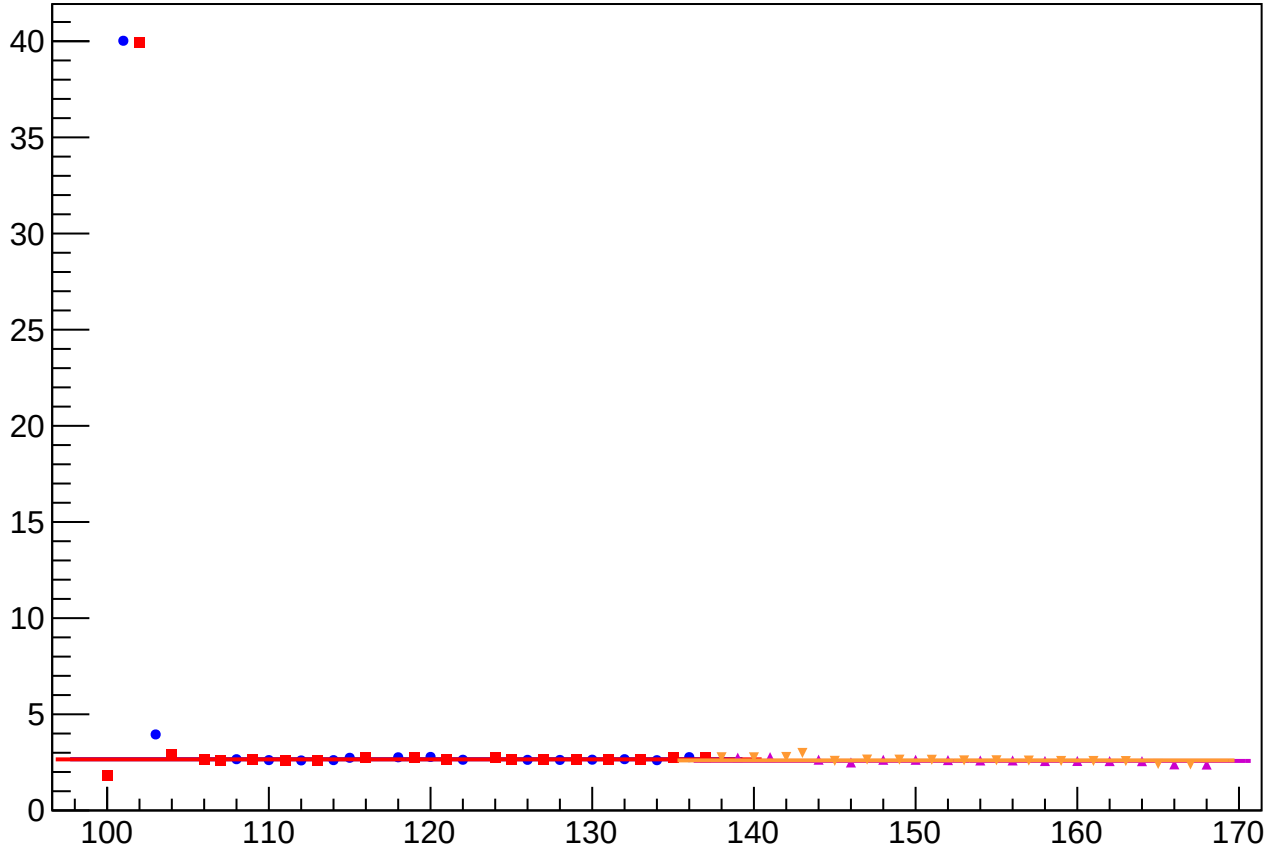
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2812744.9/30

Out: 0.018+/-0.000 χ^2/NDF:1854153.3/34

All: 0.018+/-0.000 χ^2/NDF: 4680775.6/65

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.602+/-0.000 χ^2/NDF:37395062898.0/15

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.575+/-0.000 χ^2/NDF:23117439443.9/14

Left: 2.589+/-0.000 χ^2/NDF: 61238366466.2/30

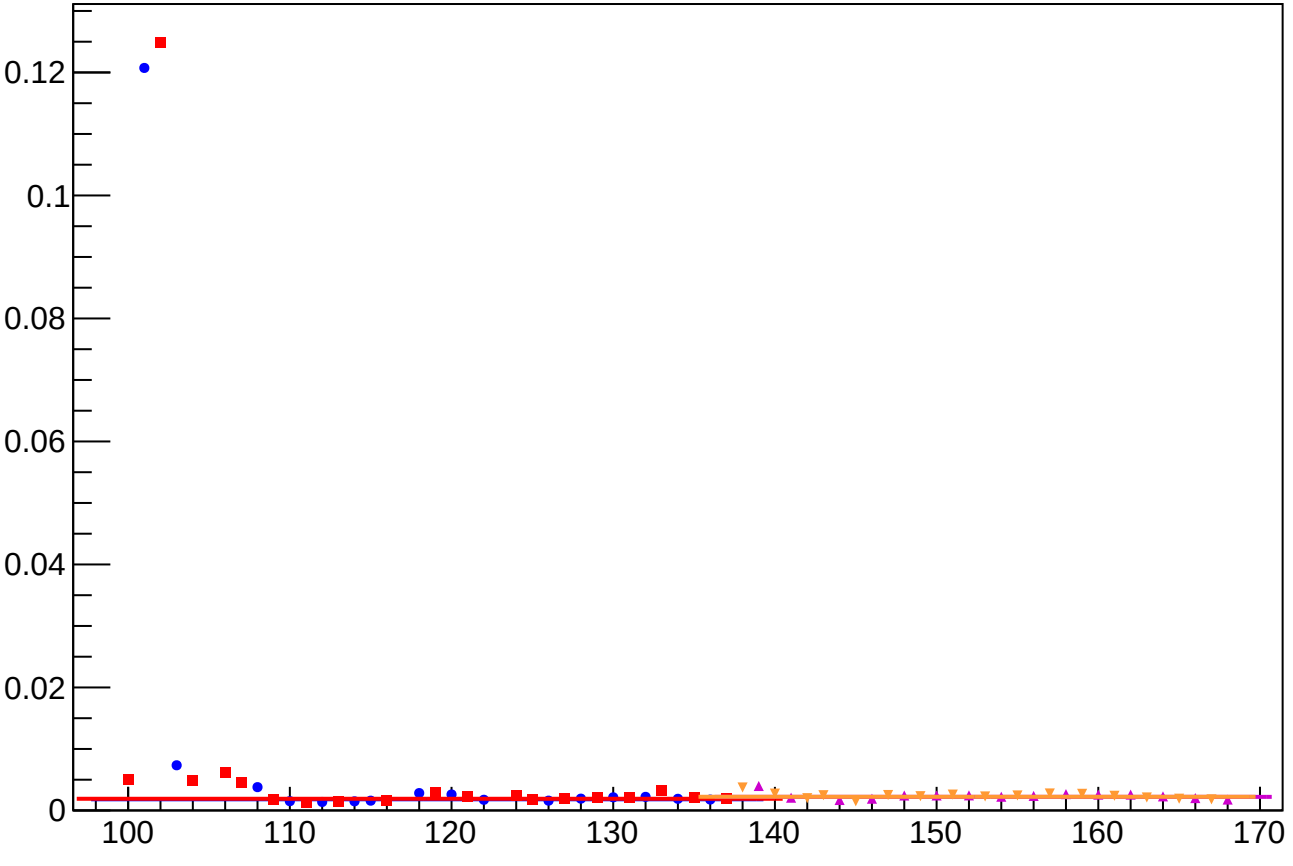
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.612+/-0.000 χ^2/NDF:97578638079.9/30

Out: 2.624+/-0.000 χ^2/NDF:104924489610.7/34

All: 2.618+/-0.000 χ^2/NDF: 202762821945.6

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:875661.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:727858.8/14

Left: 0.002+/-0.000 χ^2/NDF: 1603996.6/30

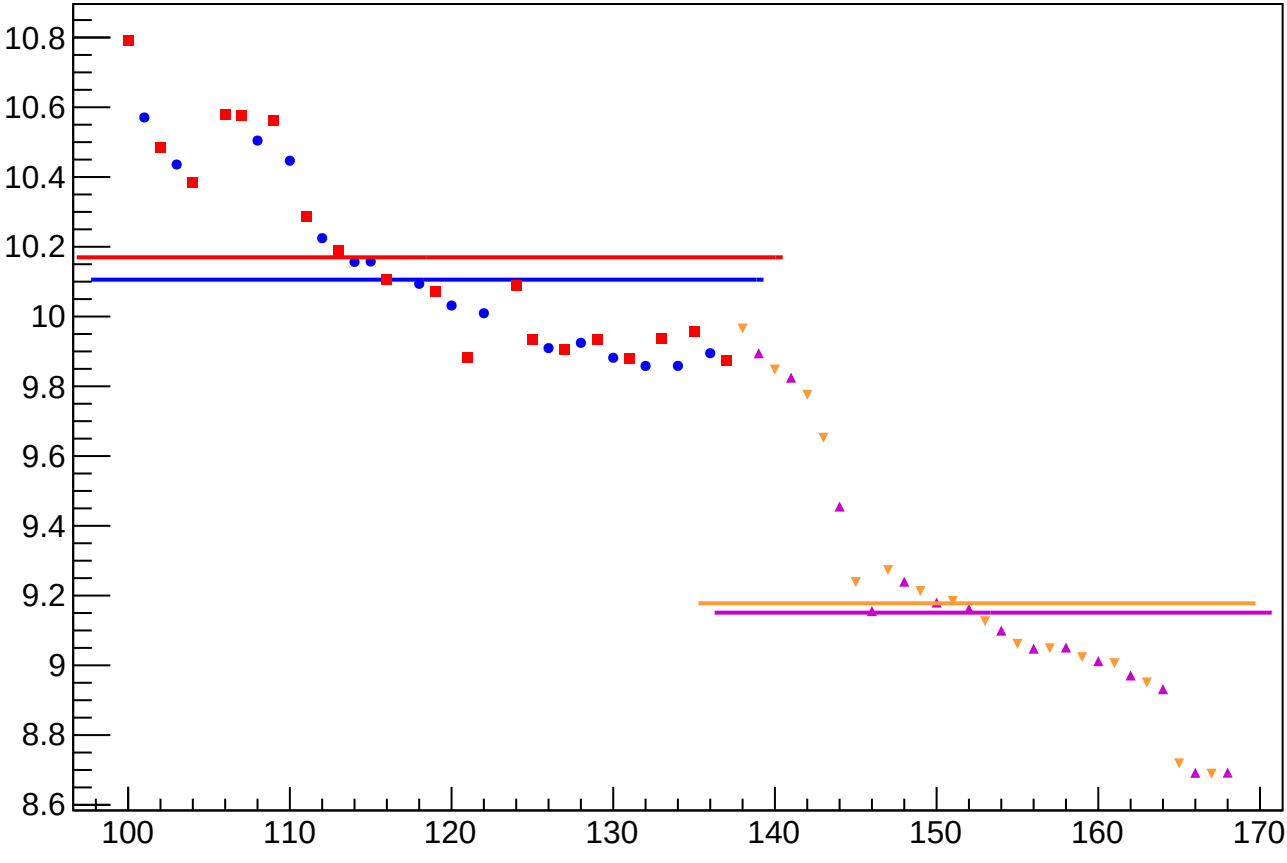
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2815325.4/30

Out: 0.002+/-0.000 χ^2/NDF:3578009.7/34

All: 0.002+/-0.000 χ^2/NDF: 6400744.5/65

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.178+/-0.000 χ^2/NDF:26227906567.3/15

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.151+/-0.000 χ^2/NDF:22600417383.1/14

Left: 9.165+/-0.000 χ^2/NDF: 48918432743.1/30

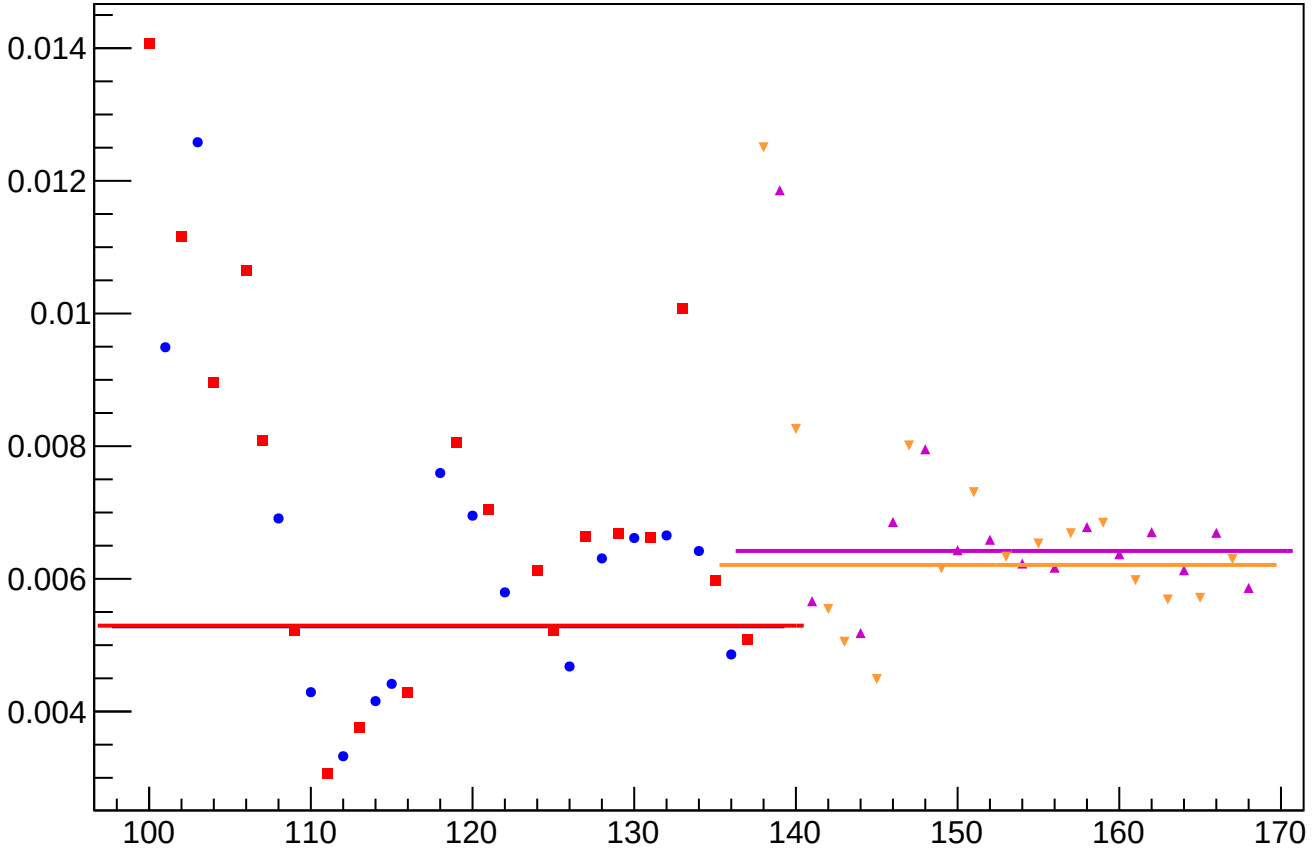
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.576+/-0.000 χ^2/NDF:129588841571.9/30

Out: 9.606+/-0.000 χ^2/NDF:145461100258.2/34

All: 9.591+/-0.000 χ^2/NDF: 275252353122.1

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:825481.4/15

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:516208.9/14

Left: 0.006+/-0.000 χ^2/NDF: 1352815.5/30

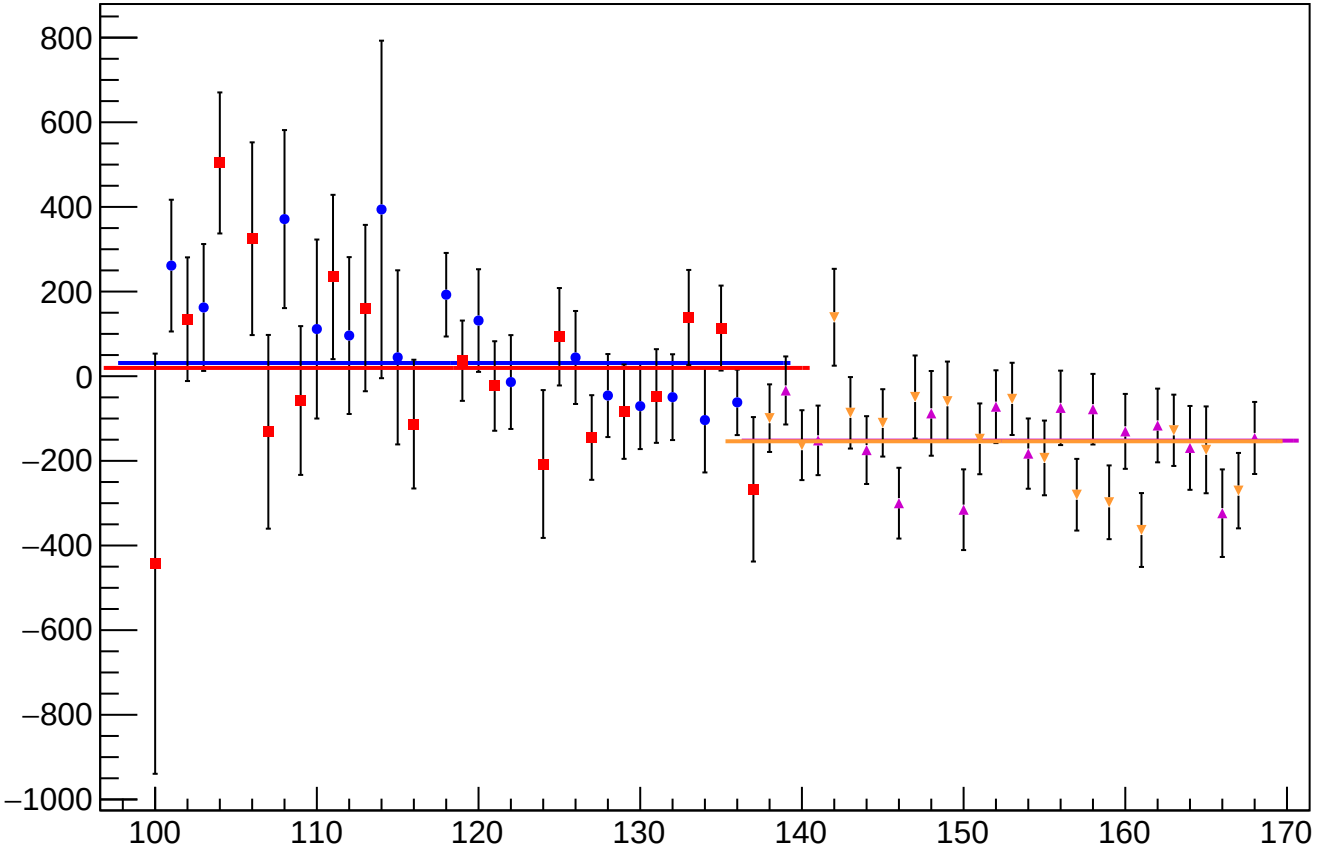
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2067645.3/30

Out: 0.006+/-0.000 χ^2/NDF:2805483.0/34

All: 0.006+/-0.000 χ^2/NDF: 4877637.1/65

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.736+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -152.211+/-22.603 χ^2/NDF:14.3/14

Left: -152.994+/-15.760 χ^2/NDF: 38.6/30

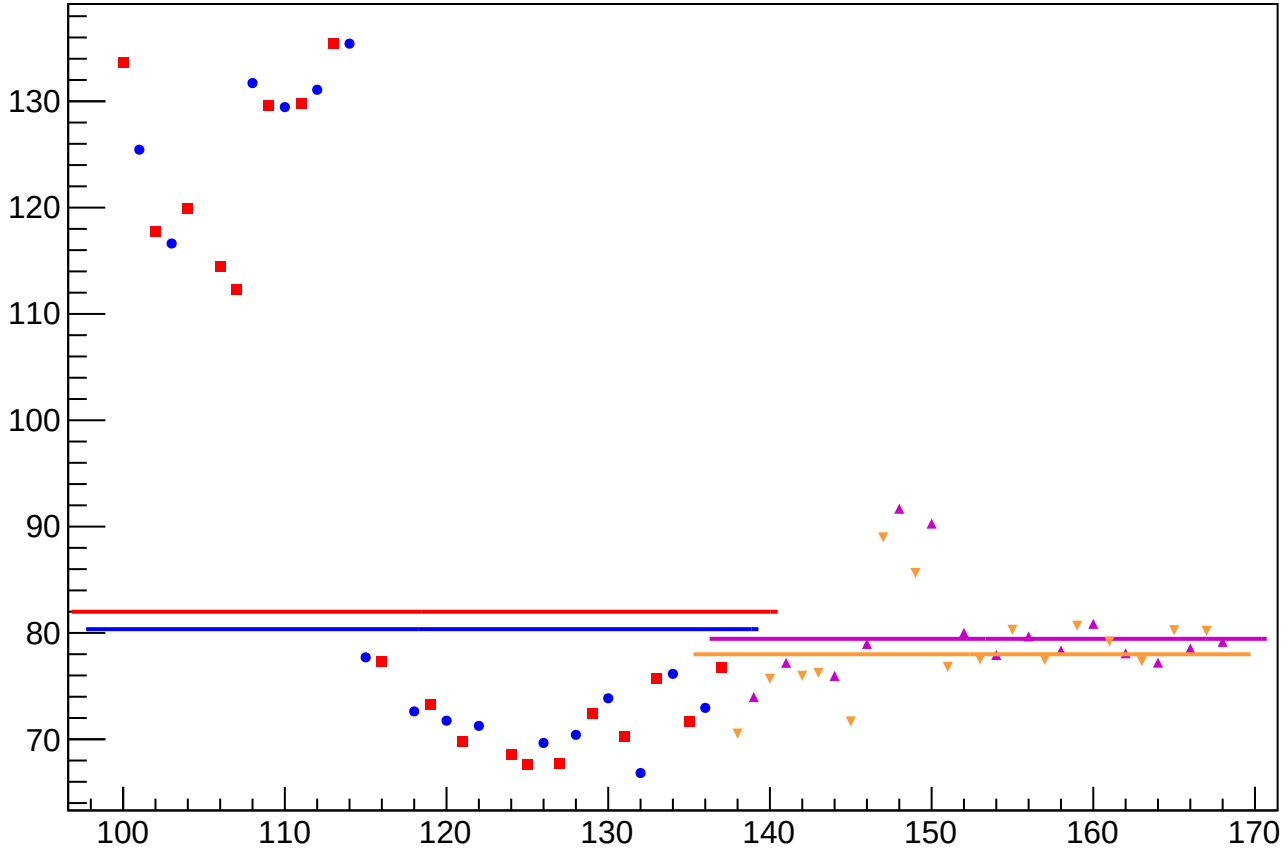
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -87.956+/-18.220 χ^2/NDF:52.5/30

Out: -95.885+/-17.944 χ^2/NDF:70.9/34

All: -91.981+/-12.785 χ^2/NDF: 123.5/65

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

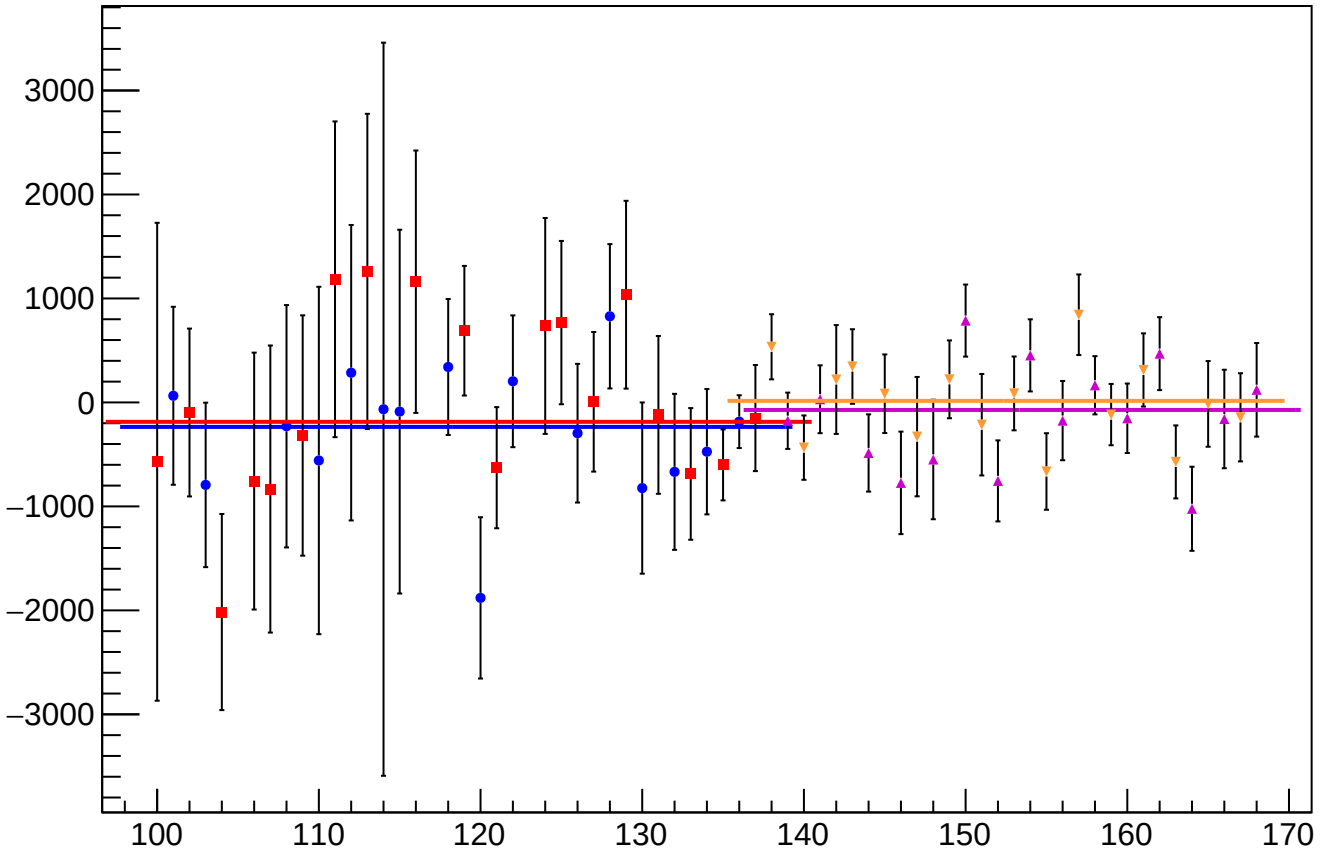
Left: 78.699+/-0.011 χ^2/NDF: 155945.2/30

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.764+/-0.013 χ^2/NDF:914848.3/30

Out: 79.329+/-0.013 χ^2/NDF:1032457.8/34

All: 79.543+/-0.009 χ^2/NDF: 1947884.2/65



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.053+/-93.430 χ^2/NDF:18.7/15

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -72.293+/-94.120 χ^2/NDF:24.7/14

Left: -28.298+/-66.308 χ^2/NDF: 43.8/30

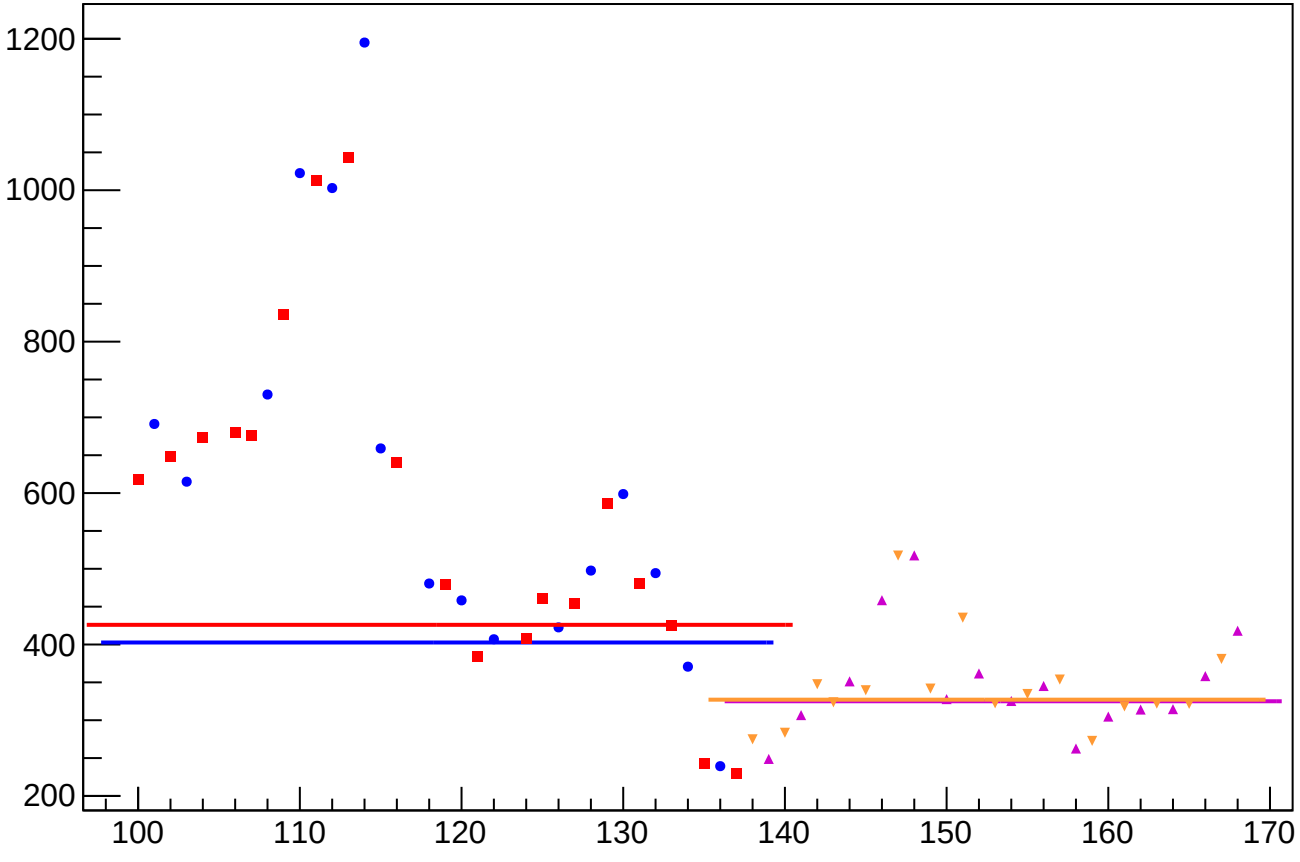
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -112.822+/-81.603 χ^2/NDF:35.4/30

Out: -31.564+/-81.923 χ^2/NDF:35.7/34

All: -72.352+/-57.815 χ^2/NDF: 71.6/65

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 327.134+/-0.066 χ^2/NDF:535591.7/15

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 325.039+/-0.067 χ^2/NDF:774769.8/14

Left: 326.094+/-0.047 χ^2/NDF: 1310860.9/30

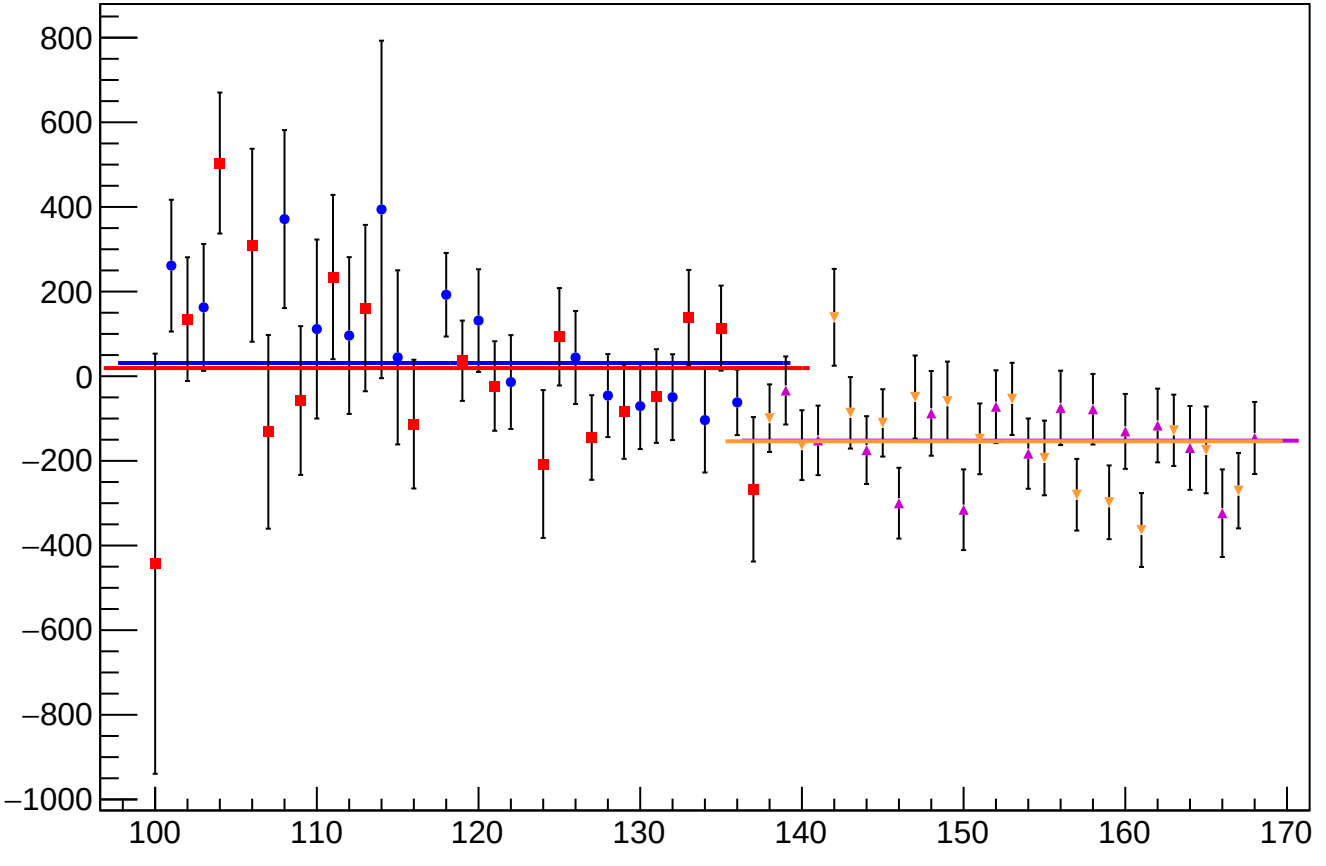
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.311+/-0.058 χ^2/NDF:3472593.7/30

Out: 349.983+/-0.058 χ^2/NDF:3421841.6/34

All: 347.136+/-0.041 χ^2/NDF: 6899246.9/65

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -152.214+/-22.603 χ^2/NDF:14.3/14

Left: -152.994+/-15.760 χ^2/NDF: 38.6/30

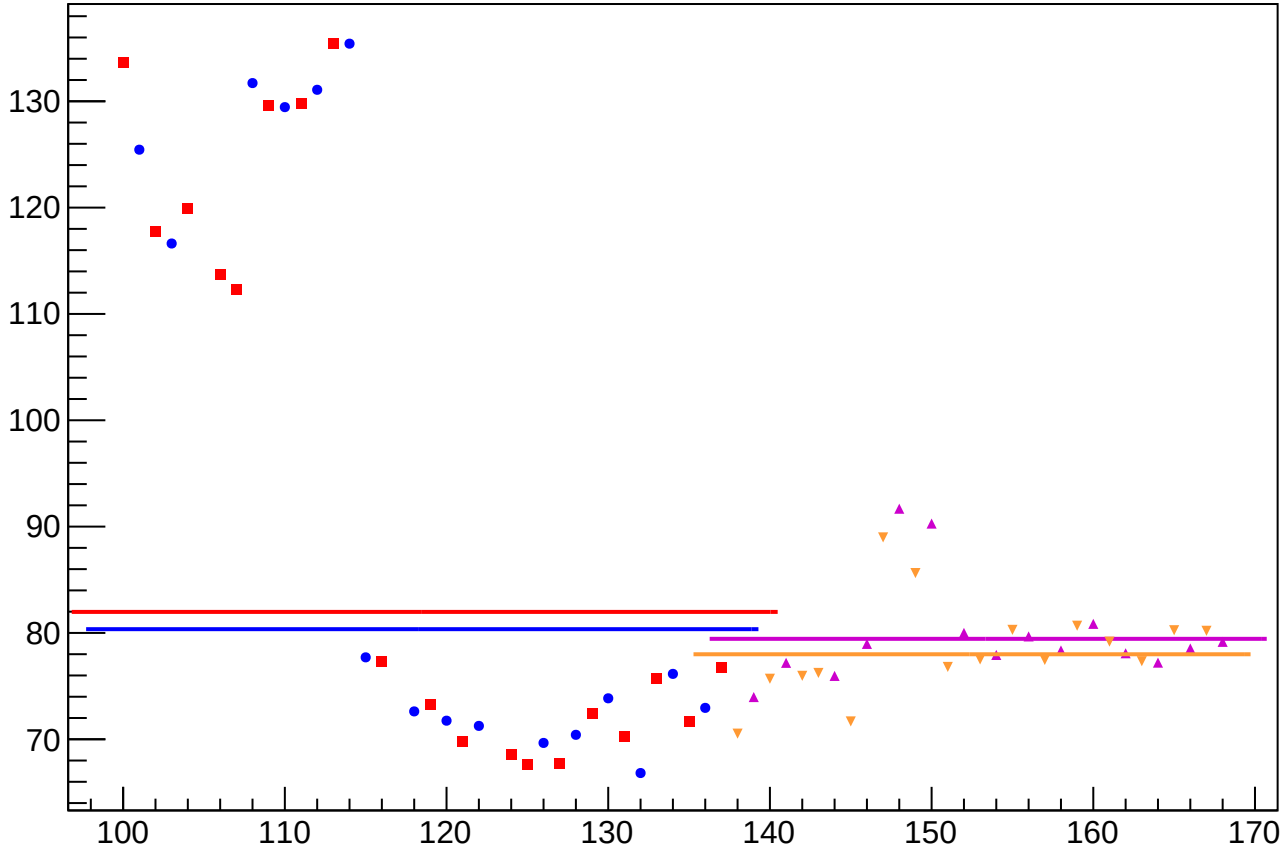
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -87.955+/-18.220 χ^2/NDF:52.5/30

Out: -95.982+/-17.944 χ^2/NDF:70.7/34

All: -92.030+/-12.785 χ^2/NDF: 123.2/65

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

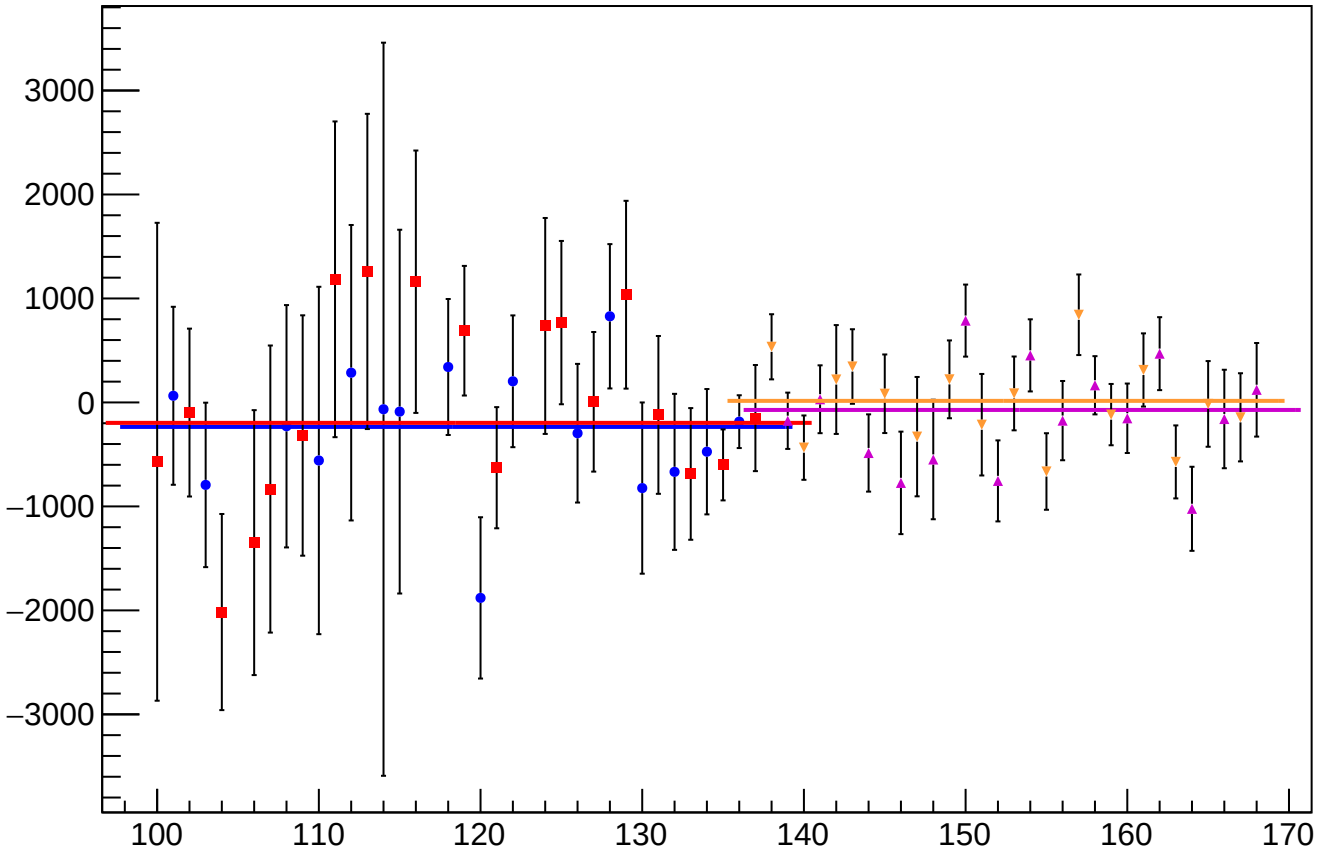
Left: 78.700+/-0.011 χ^2/NDF: 155945.3/30

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.764+/-0.013 χ^2/NDF:914848.5/30

Out: 79.324+/-0.013 χ^2/NDF:1030419.9/34

All: 79.540+/-0.009 χ^2/NDF: 1945860.0/65



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 15.055+/-93.430 χ^2/NDF:18.7/15

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -72.298+/-94.120 χ^2/NDF:24.7/14

Left: -28.300+/-66.308 χ^2/NDF: 43.8/30

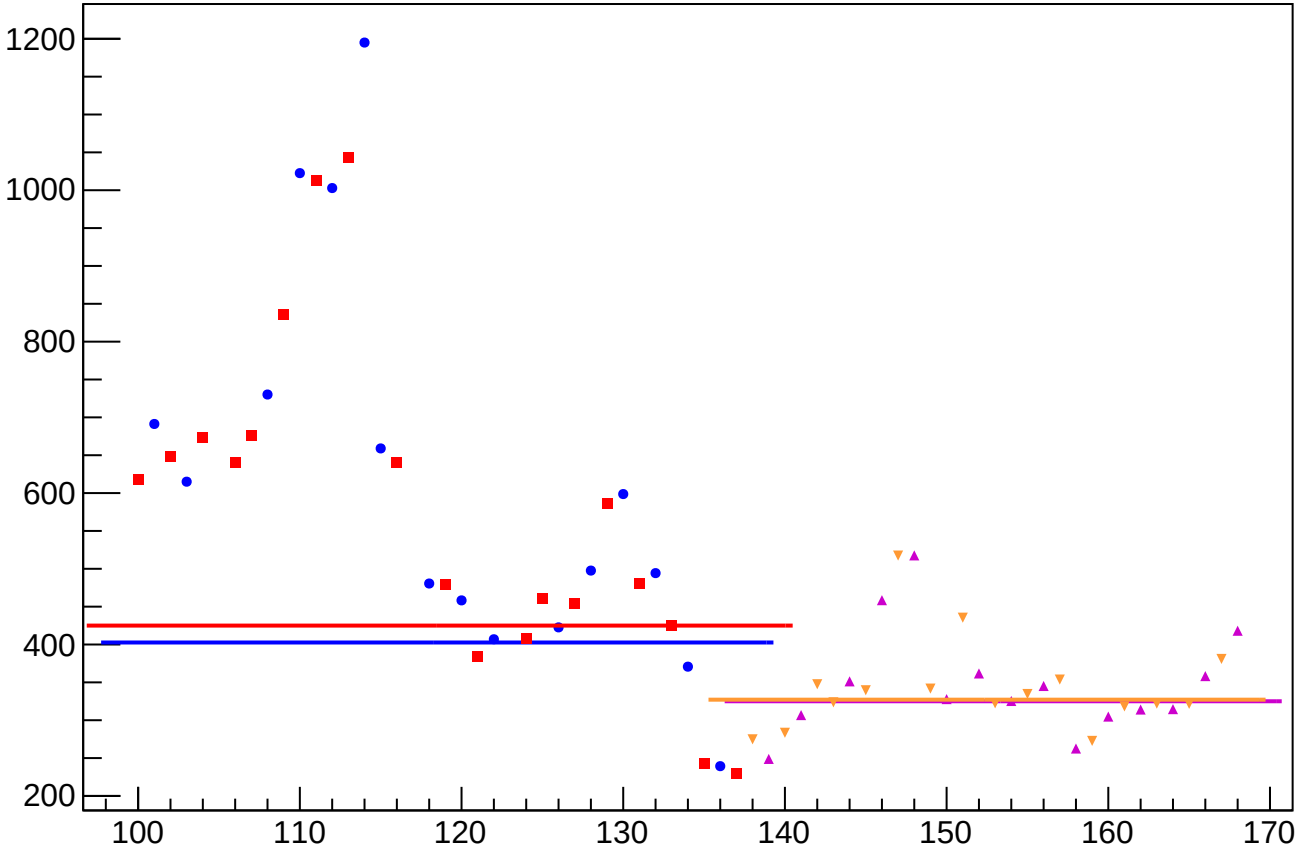
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -112.825+/-81.603 χ^2/NDF:35.4/30

Out: -33.822+/-81.934 χ^2/NDF:36.4/34

All: -73.483+/-57.819 χ^2/NDF: 72.3/65

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 325.039+/-0.067 χ^2/NDF:774770.2/14

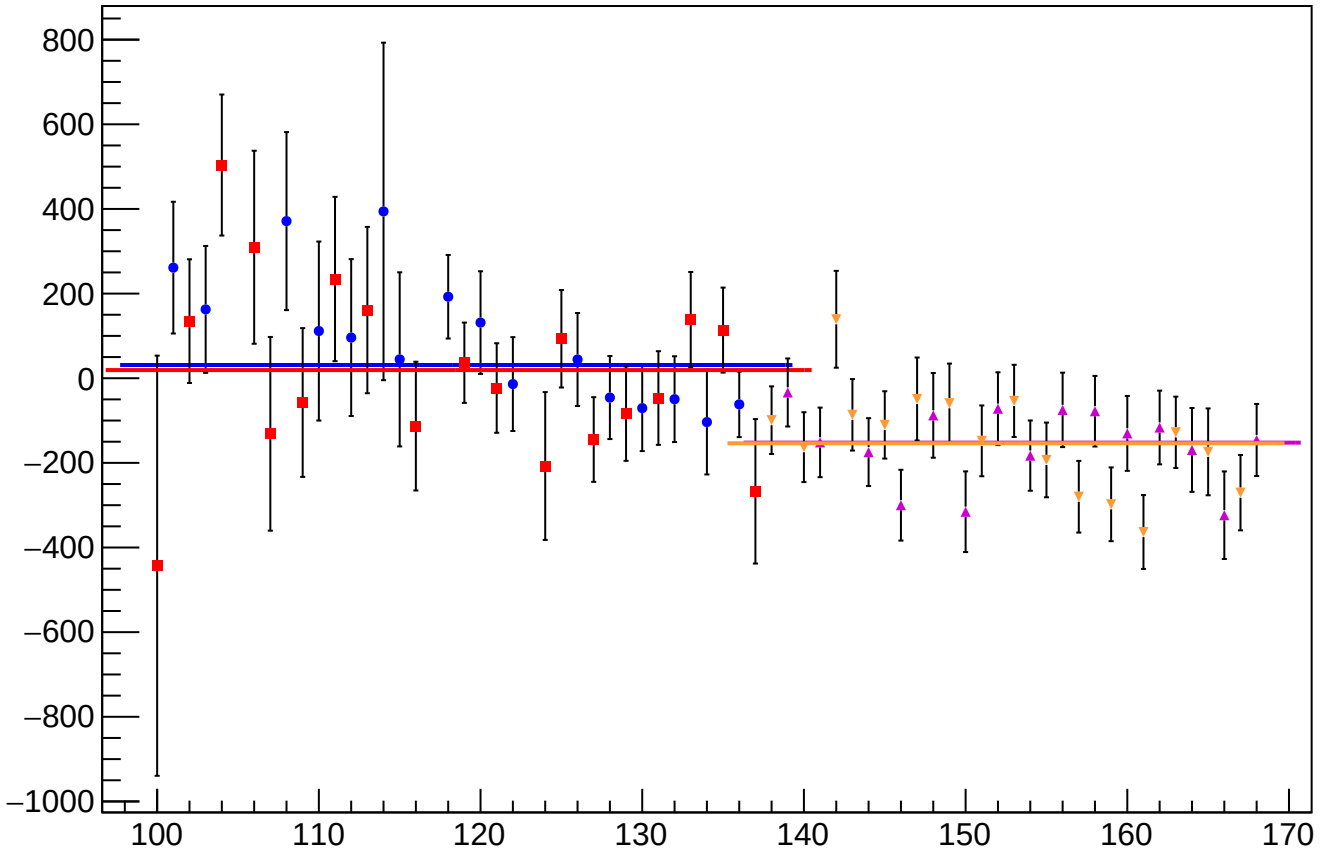
Left: 326.094+/-0.047 χ^2/NDF: 1310869.1/30

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.311+/-0.058 χ^2/NDF:3472589.3/30

Out: 349.733+/-0.058 χ^2/NDF:3383303.9/34

All: 347.011+/-0.041 χ^2/NDF: 6860290.0/65



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -153.732+/-21.985 χ^2/NDF:24.3/15

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -152.214+/-22.603 χ^2/NDF:14.3/14

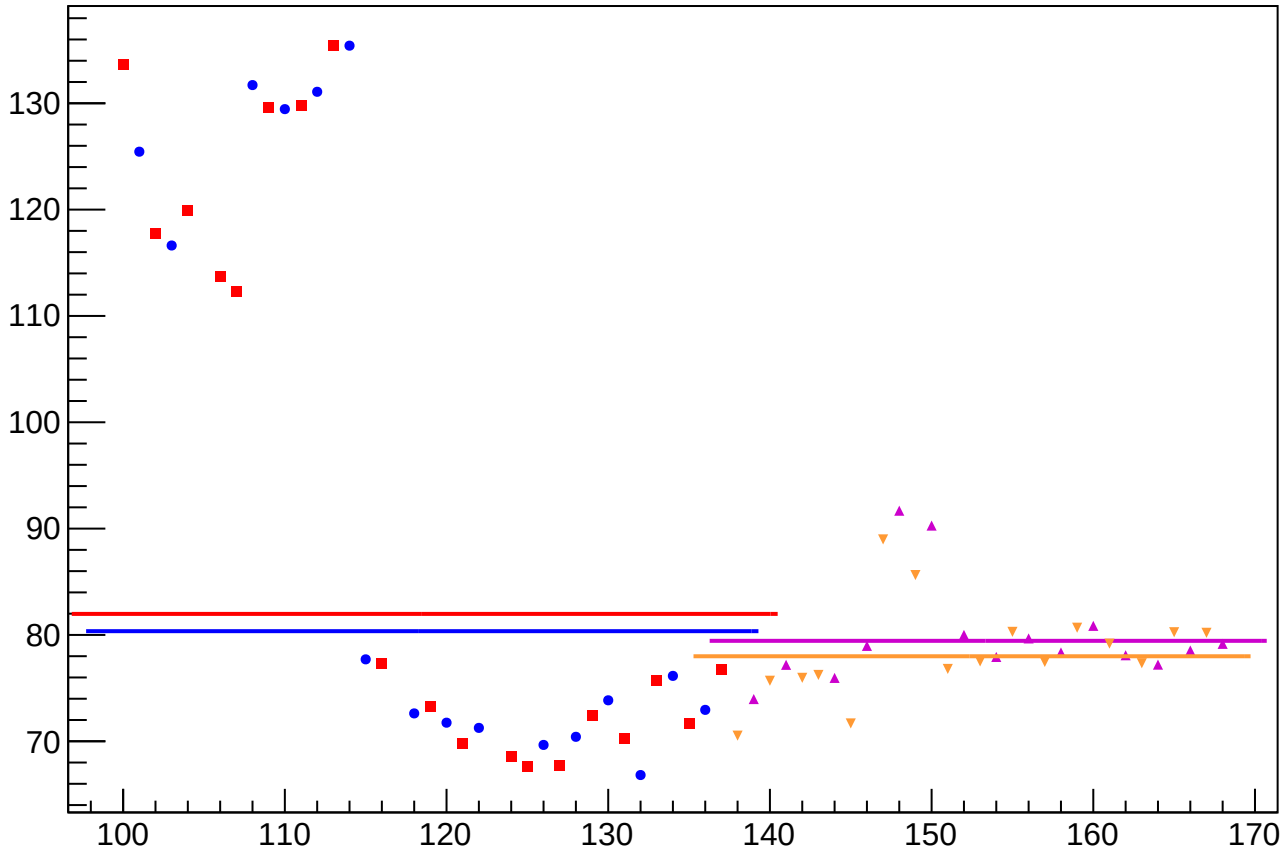
Left: -152.994+/-15.760 χ^2/NDF: 38.6/30

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -87.955+/-18.220 χ^2/NDF:52.5/30

Out: -95.982+/-17.944 χ^2/NDF:70.7/34

All: -92.030+/-12.785 χ^2/NDF: 123.2/65



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.994+/-0.016 χ^2/NDF:78030.9/15

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.445+/-0.016 χ^2/NDF:73676.7/14

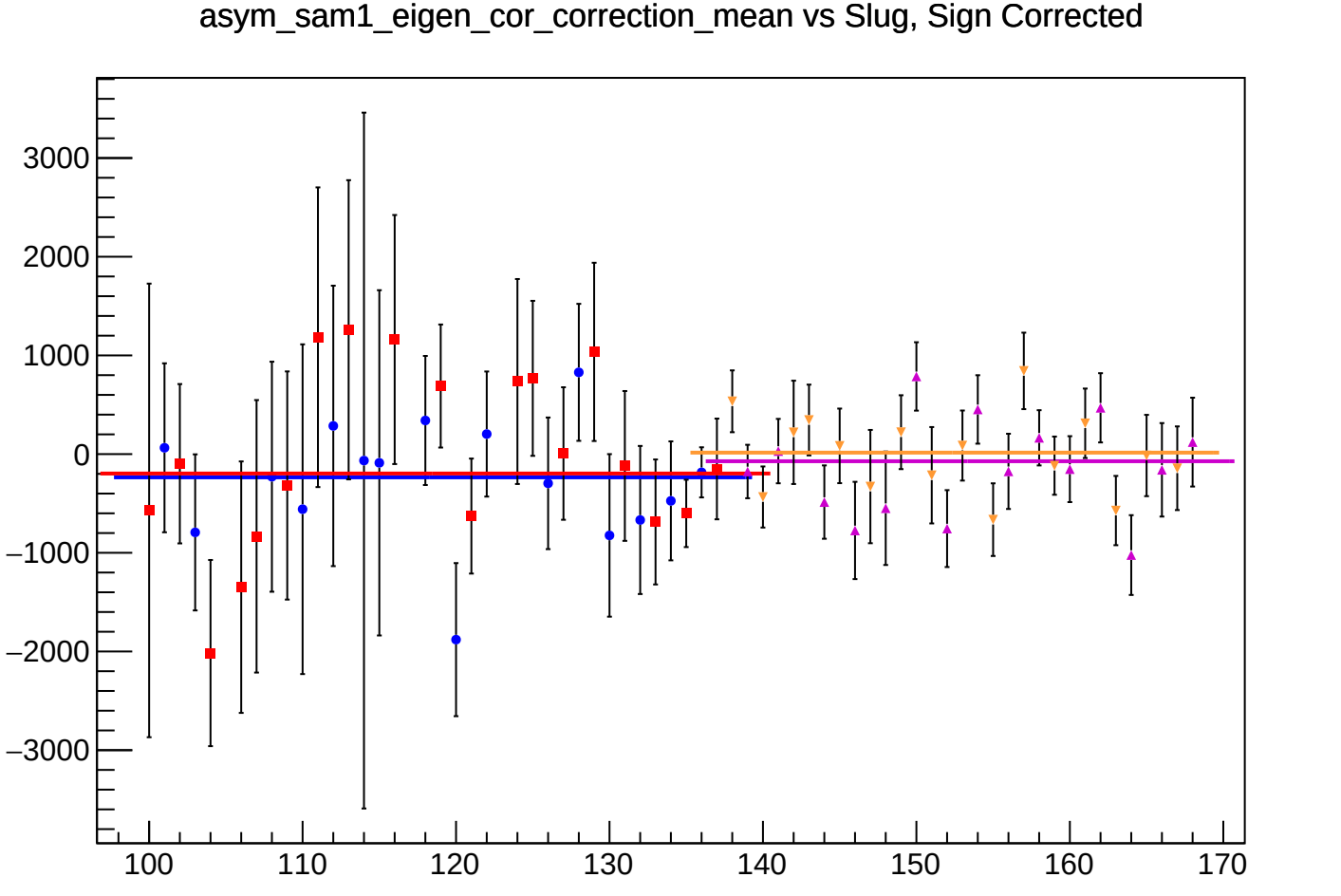
Left: 78.700+/-0.011 χ^2/NDF: 155945.3/30

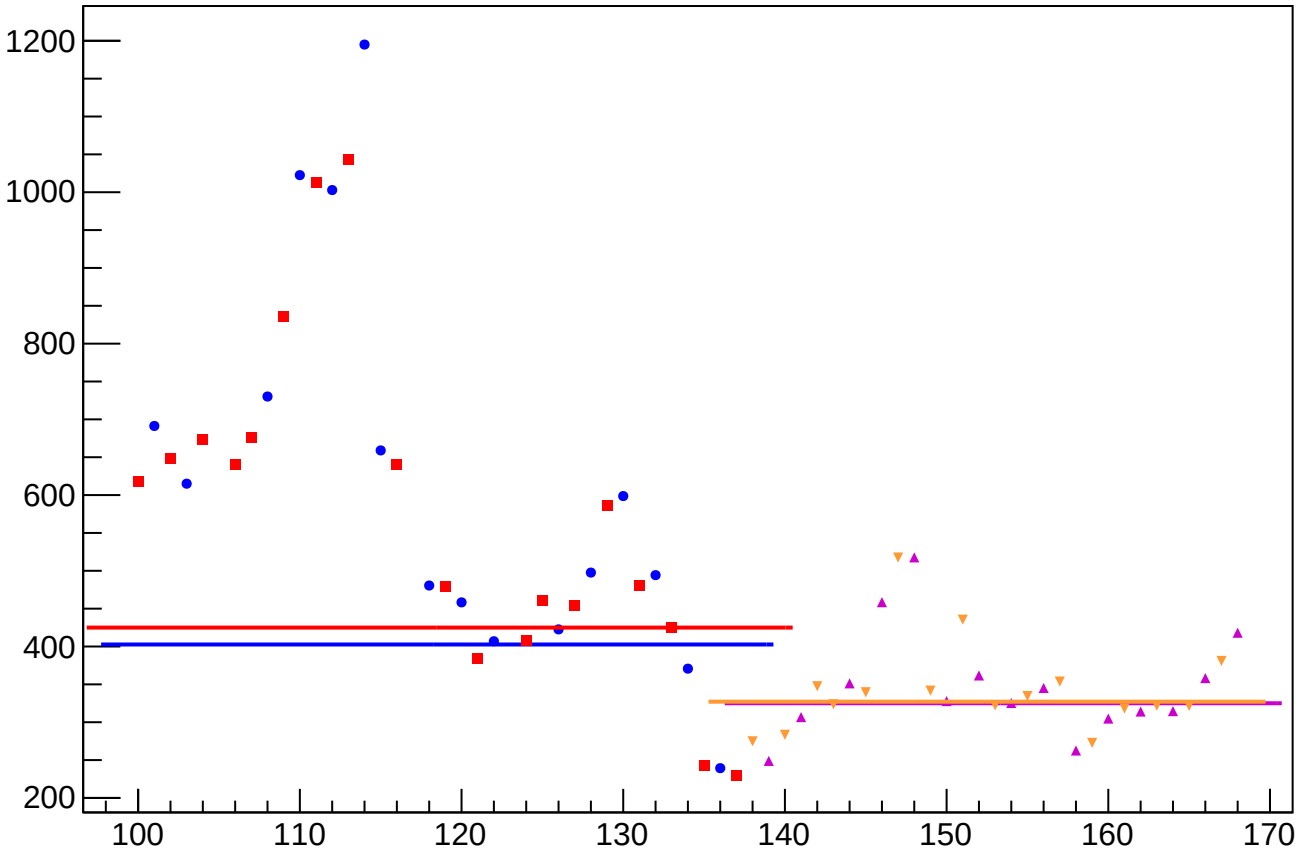
Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.764+/-0.013 χ^2/NDF:914848.5/30

Out: 79.324+/-0.013 χ^2/NDF:1030419.9/34

All: 79.540+/-0.009 χ^2/NDF: 1945860.0/65


asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 15.055+/-93.430 χ²/NDF:18.7/15
Right Out: -196.579+/-170.492 χ²/NDF: 16.6/18
Left In: -72.298+/-94.120 χ²/NDF:24.7/14
Left: -28.300+/-66.308 χ²/NDF: 43.8/30
Right: -216.832+/-118.106 χ²/NDF: 26.5/34
In: -112.825+/-81.603 χ²/NDF:35.4/30
Out: -33.822+/-81.934 χ²/NDF:36.4/34
All: -73.483+/-57.819 χ²/NDF: 72.3/65



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 327.134+/-0.066 χ^2/NDF:535599.7/15

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 325.039+/-0.067 χ^2/NDF:774770.2/14

Left: 326.094+/-0.047 χ^2/NDF: 1310869.1/30

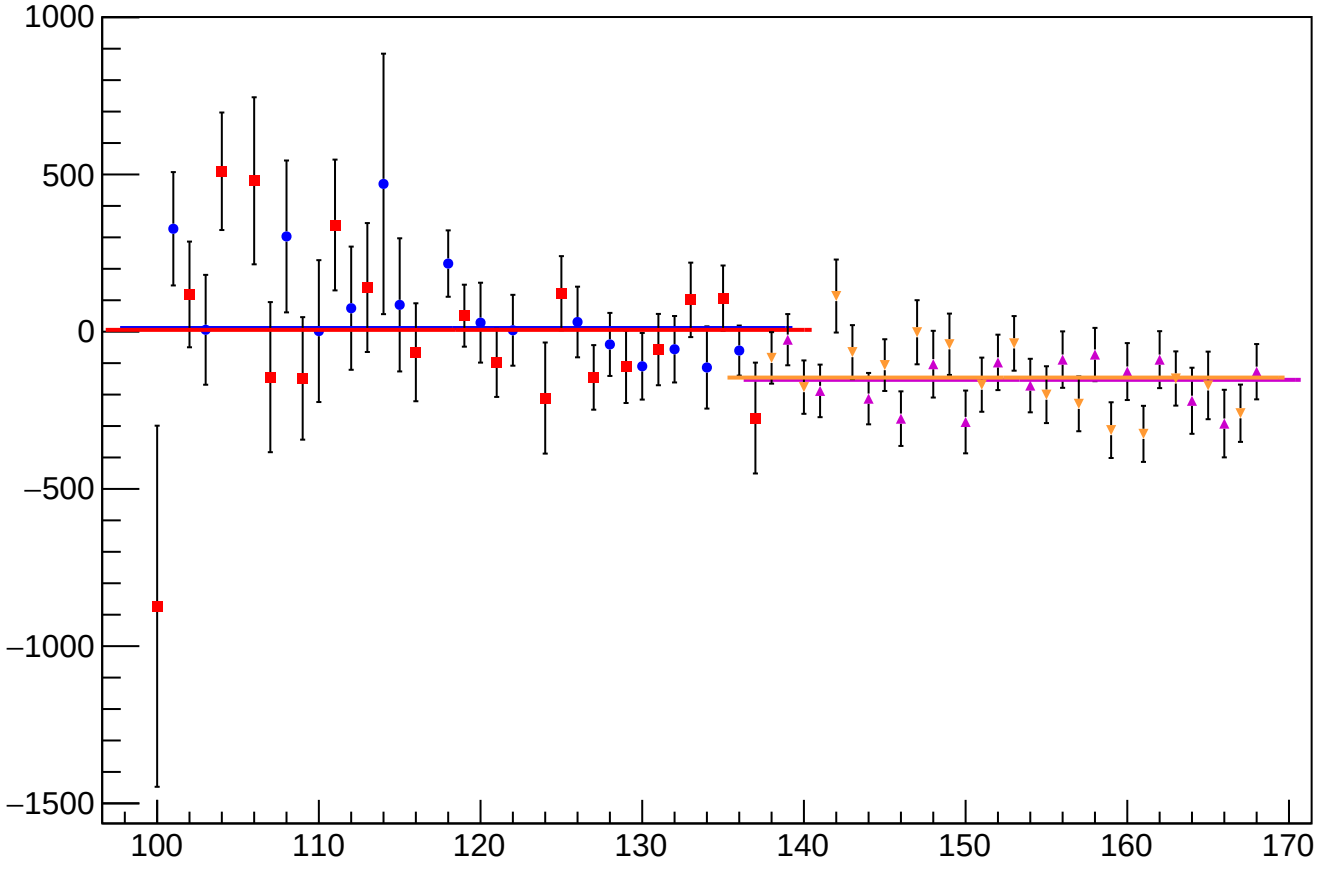
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.311+/-0.058 χ^2/NDF:3472589.3/30

Out: 349.733+/-0.058 χ^2/NDF:3383303.9/34

All: 347.011+/-0.041 χ^2/NDF: 6860290.0/65

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.934+/-22.570 χ^2/NDF:22.1/15

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -153.103+/-23.275 χ^2/NDF:11.8/14

Left: -149.408+/-16.203 χ^2/NDF: 34.0/30

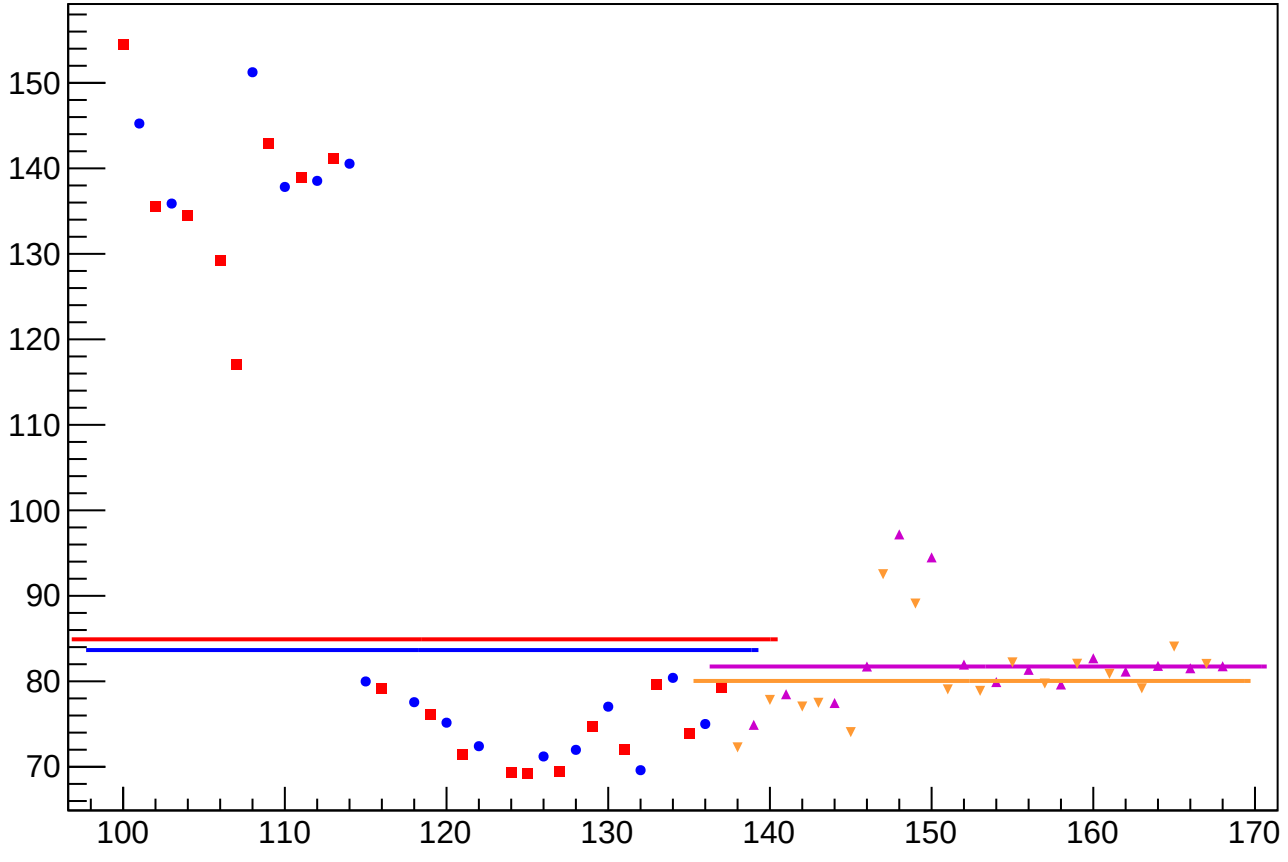
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -96.787+/-18.883 χ^2/NDF:42.5/30

Out: -96.444+/-18.528 χ^2/NDF:65.6/34

All: -96.612+/-13.225 χ^2/NDF: 108.1/65

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.044+/-0.016 χ^2/NDF:87259.2/15

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.734+/-0.016 χ^2/NDF:100134.9/14

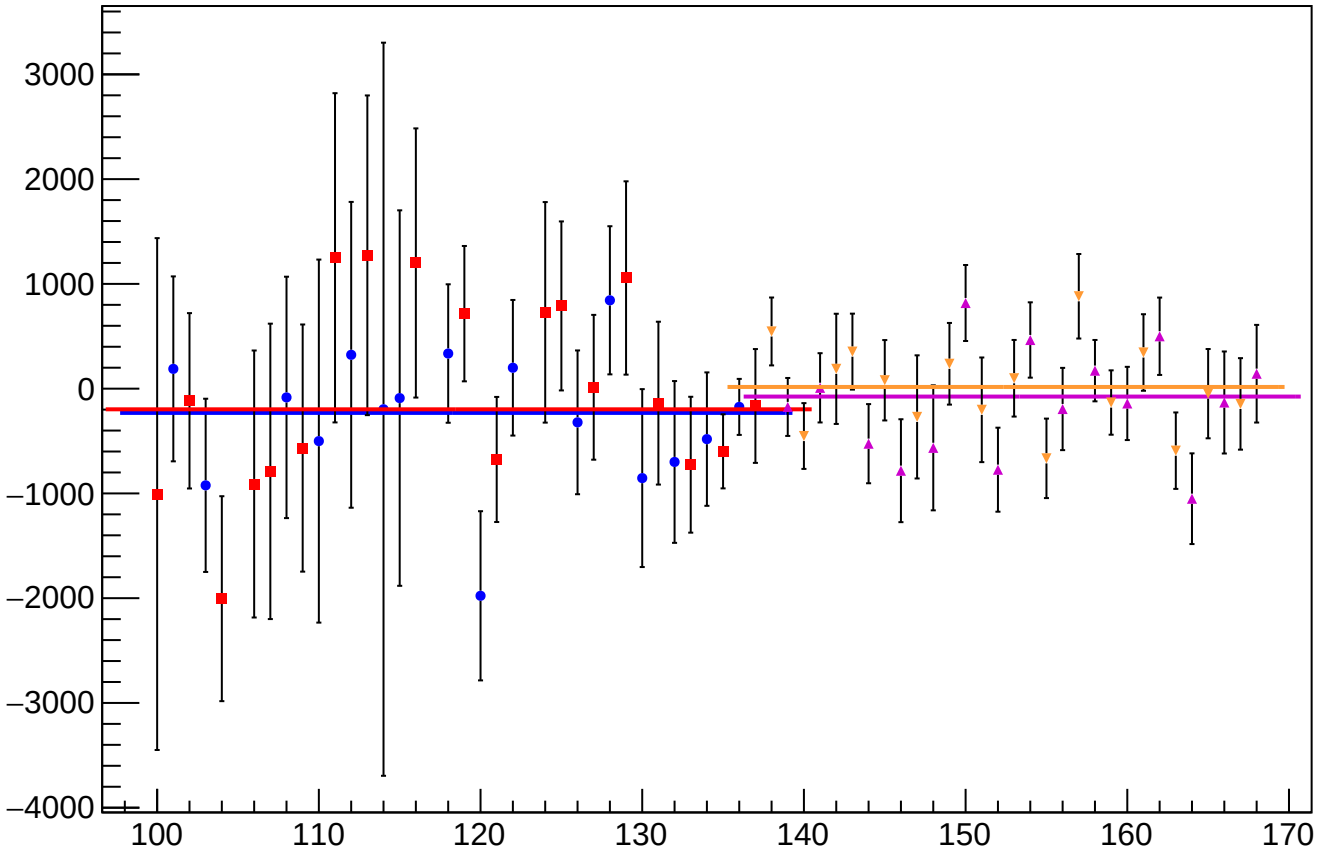
Left: 80.863+/-0.011 χ^2/NDF: 192825.9/30

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.391+/-0.013 χ^2/NDF:1139597.0/30

Out: 81.632+/-0.013 χ^2/NDF:1239280.1/34

All: 82.004+/-0.009 χ^2/NDF: 2380524.1/65



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 16.257+/-96.182 χ^2/NDF:18.5/15

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -75.529+/-97.335 χ^2/NDF:24.3/14

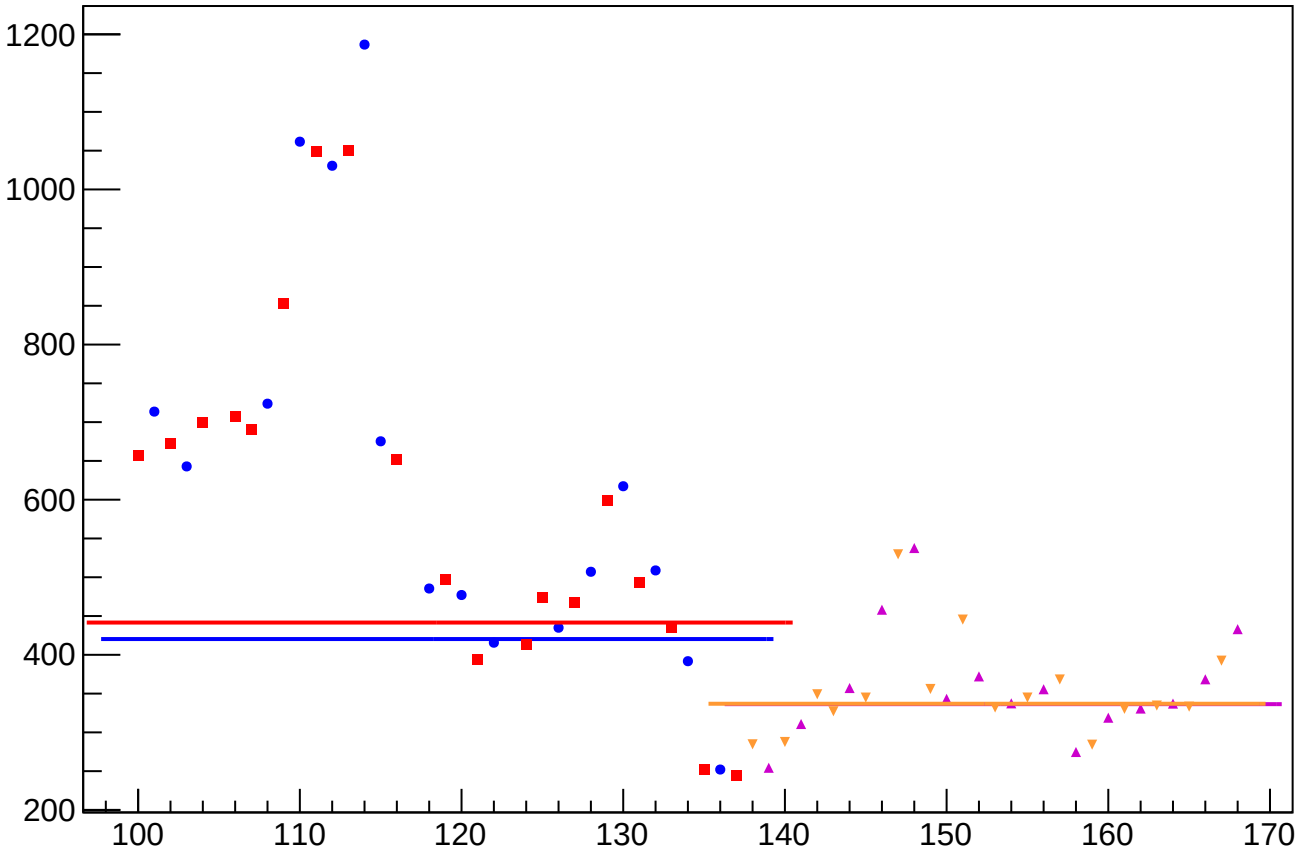
Left: -29.089+/-68.415 χ^2/NDF: 43.2/30

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -113.968+/-84.486 χ^2/NDF:35.3/30

Out: -32.794+/-84.411 χ^2/NDF:35.5/34

All: -73.345+/-59.714 χ^2/NDF: 71.3/65



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 336.913+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 336.387+/-0.069 χ^2/NDF:754649.5/14

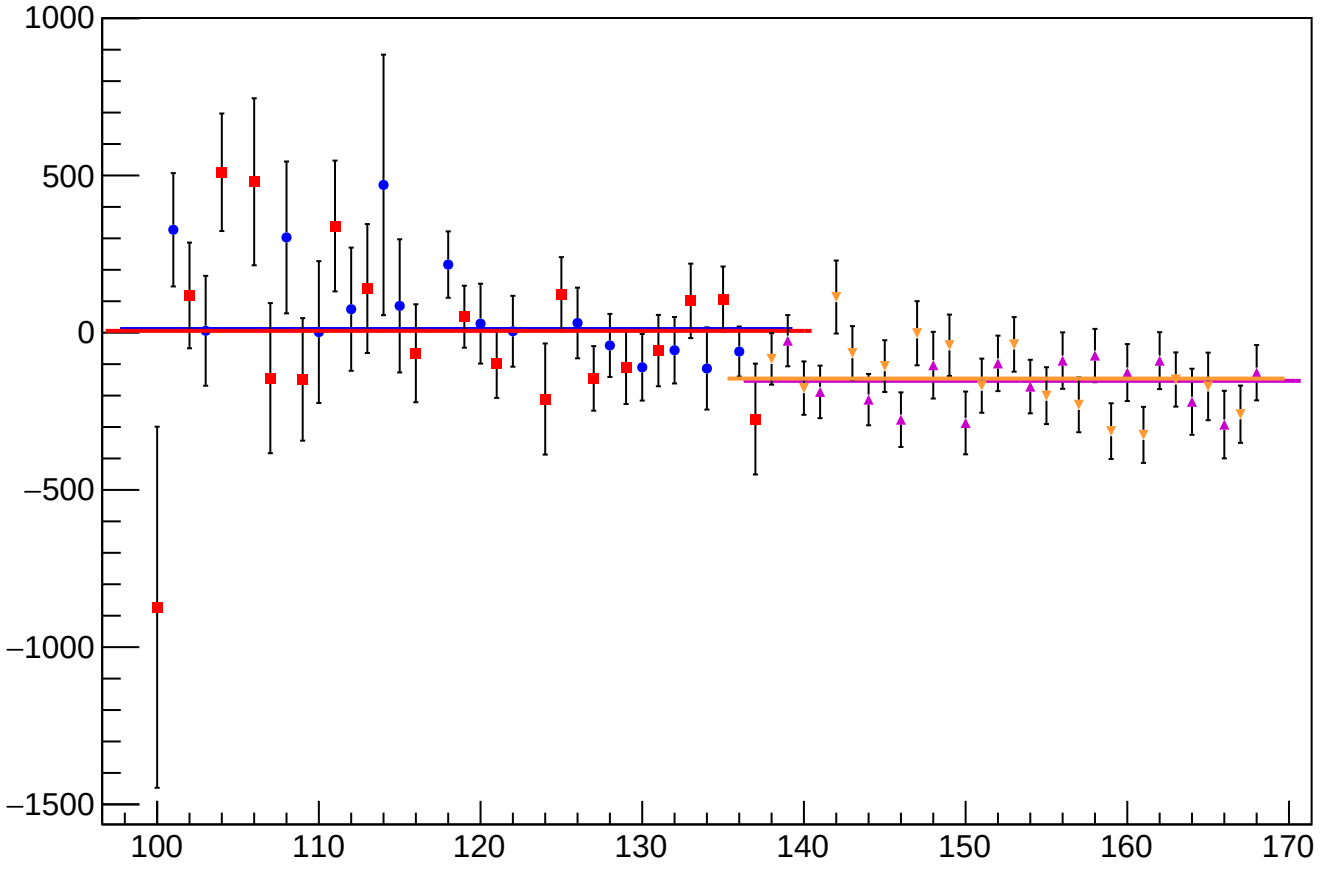
Left: 336.653+/-0.048 χ^2/NDF: 1279081.0/30

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.087+/-0.060 χ^2/NDF:3376074.4/30

Out: 360.968+/-0.060 χ^2/NDF:3376412.8/34

All: 359.029+/-0.042 χ^2/NDF: 6754599.3/65



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -145.933+/-22.570 χ^2/NDF:22.1/15

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -153.103+/-23.275 χ^2/NDF:11.8/14

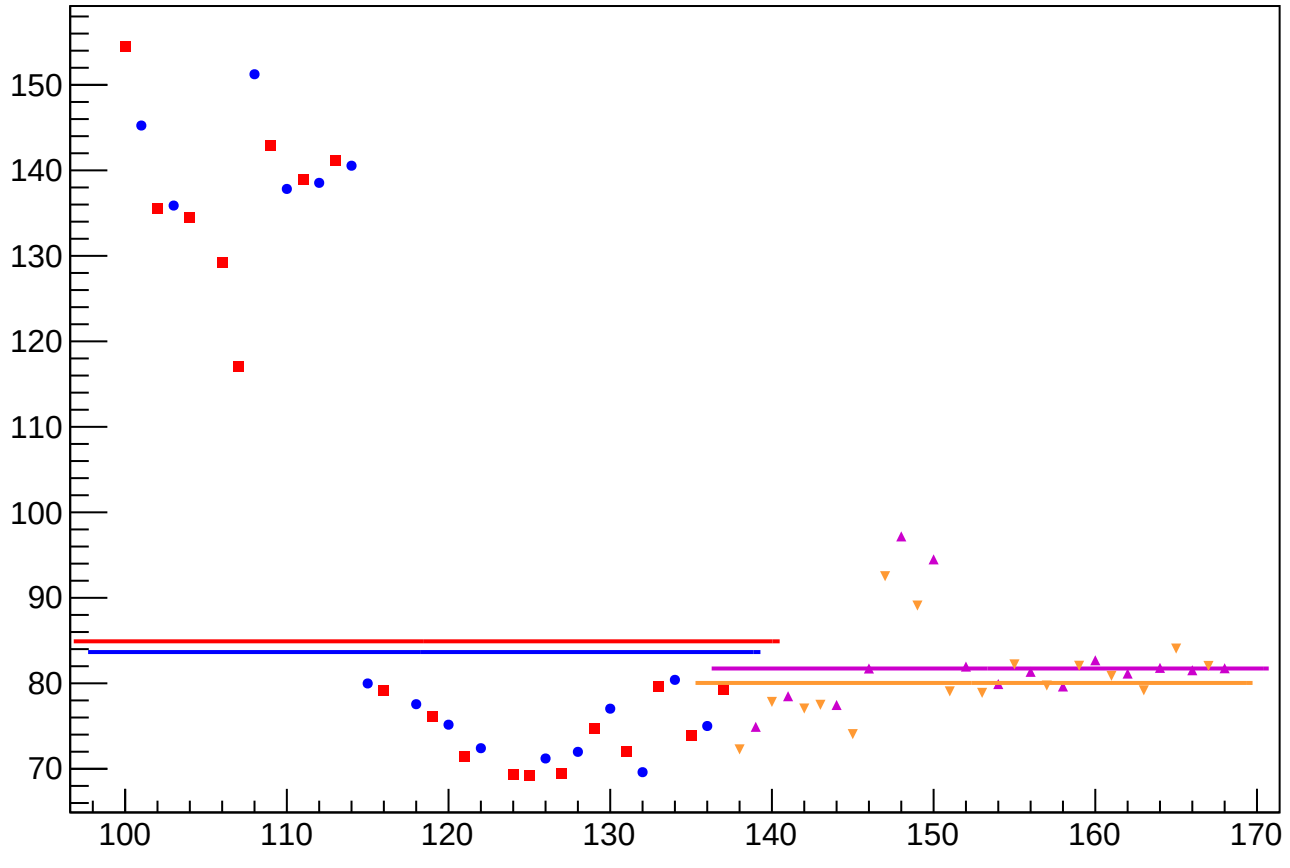
Left: -149.408+/-16.203 χ^2/NDF: 34.0/30

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -96.787+/-18.883 χ^2/NDF:42.5/30

Out: -96.444+/-18.528 χ^2/NDF:65.6/34

All: -96.612+/-13.225 χ^2/NDF: 108.1/65



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.044+/-0.016 χ^2/NDF:87258.6/15

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.734+/-0.016 χ^2/NDF:100134.1/14

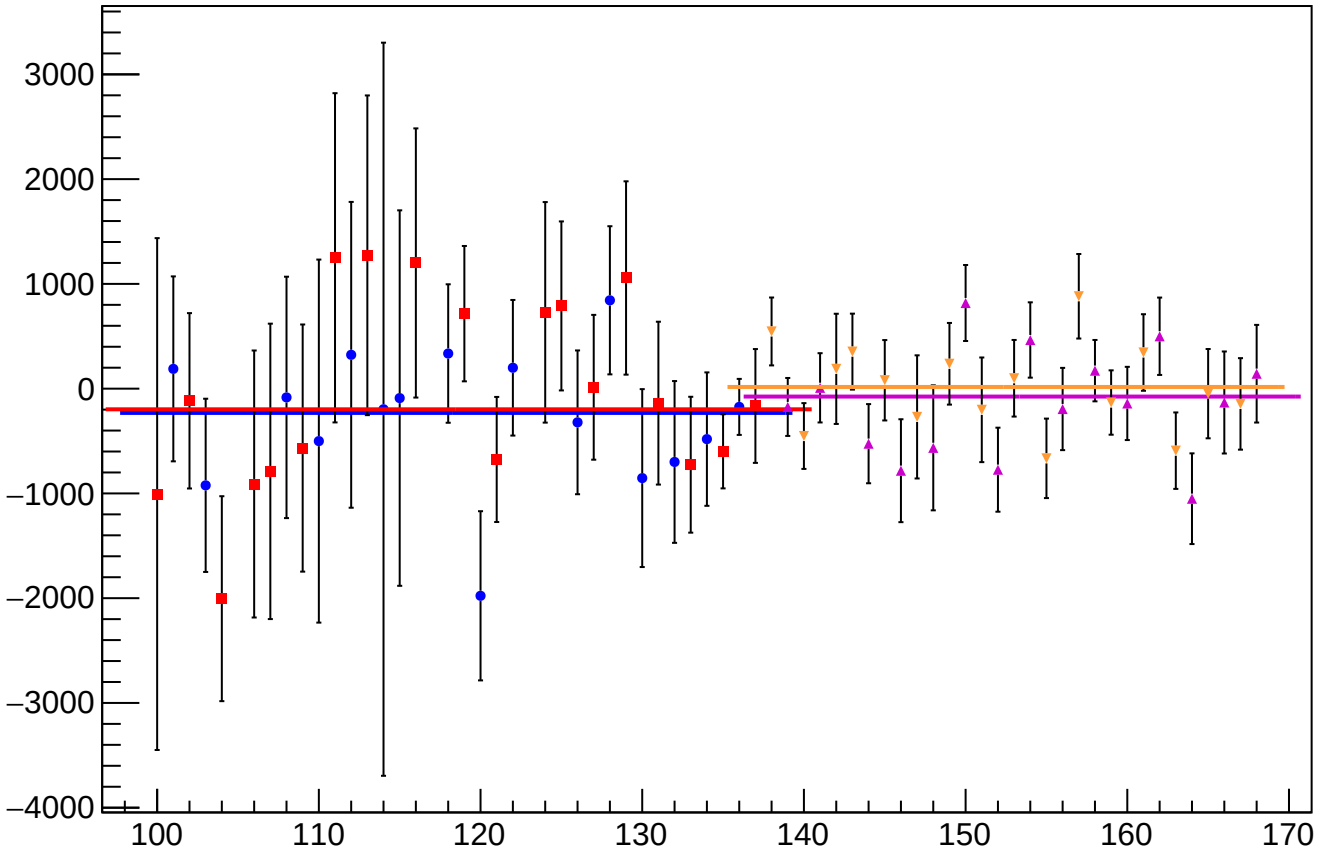
Left: 80.863+/-0.011 χ^2/NDF: 192824.5/30

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.391+/-0.013 χ^2/NDF:1139595.5/30

Out: 81.632+/-0.013 χ^2/NDF:1239277.6/34

All: 82.004+/-0.009 χ^2/NDF: 2380520.2/65



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 16.258+/-96.182 χ^2/NDF:18.5/15

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -75.529+/-97.335 χ^2/NDF:24.3/14

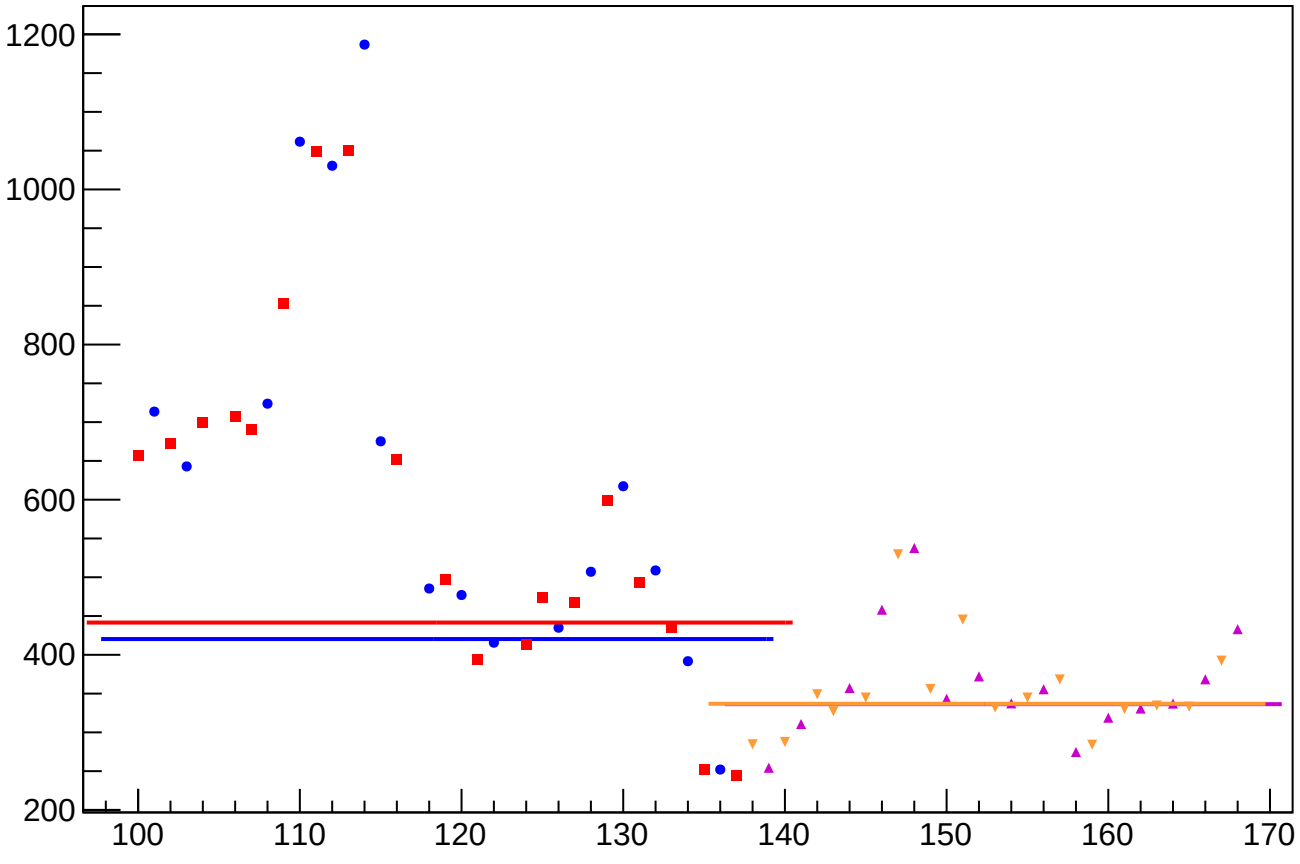
Left: -29.089+/-68.415 χ^2/NDF: 43.2/30

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -113.968+/-84.486 χ^2/NDF:35.3/30

Out: -32.793+/-84.411 χ^2/NDF:35.5/34

All: -73.345+/-59.714 χ^2/NDF: 71.3/65



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 336.912+/-0.068 χ^2/NDF:524401.9/15

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 336.386+/-0.069 χ^2/NDF:754651.8/14

Left: 336.653+/-0.048 χ^2/NDF: 1279083.2/30

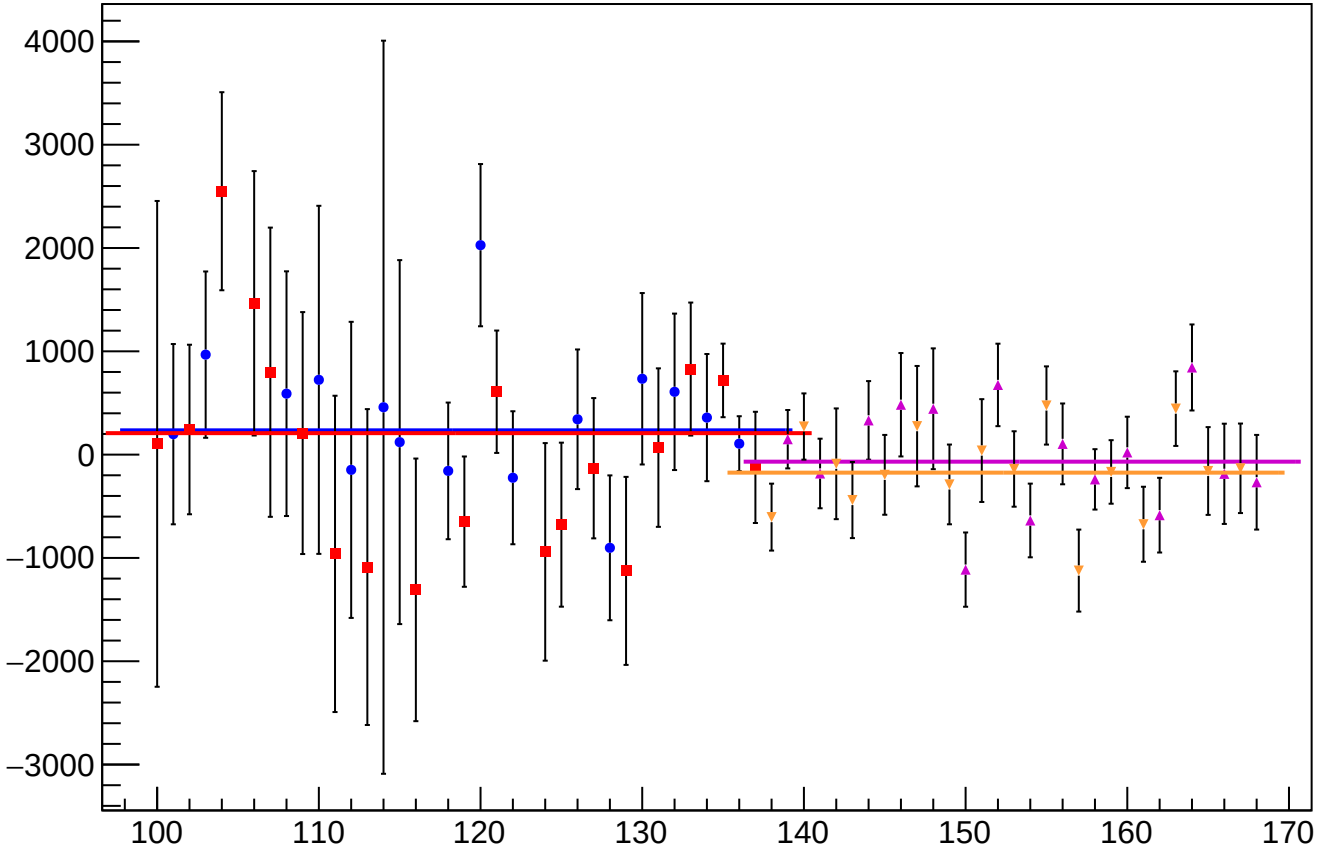
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.086+/-0.060 χ^2/NDF:3376077.7/30

Out: 360.967+/-0.060 χ^2/NDF:3376413.6/34

All: 359.029+/-0.042 χ^2/NDF: 6754603.3/65

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -174.440+/-96.212 χ^2/NDF:18.6/15

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -68.202+/-97.090 χ^2/NDF:25.9/14

Left: -121.803+/-68.341 χ^2/NDF: 45.2/30

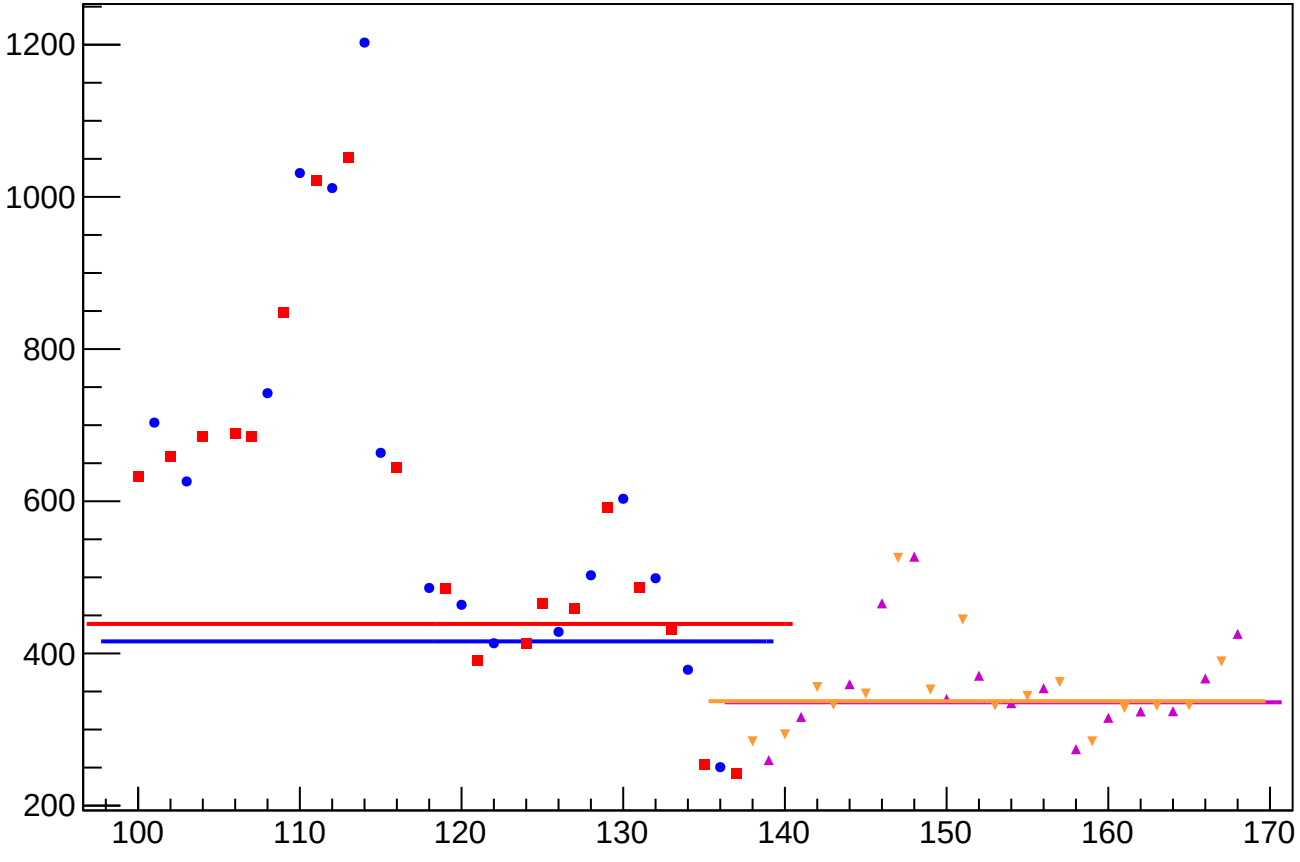
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 7.589+/-84.087 χ^2/NDF:39.1/30

Out: -85.466+/-84.279 χ^2/NDF:42.7/34

All: -38.833+/-59.526 χ^2/NDF: 82.4/65

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 337.256+/-0.068 χ^2/NDF:498467.9/15

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 335.809+/-0.069 χ^2/NDF:713304.4/14

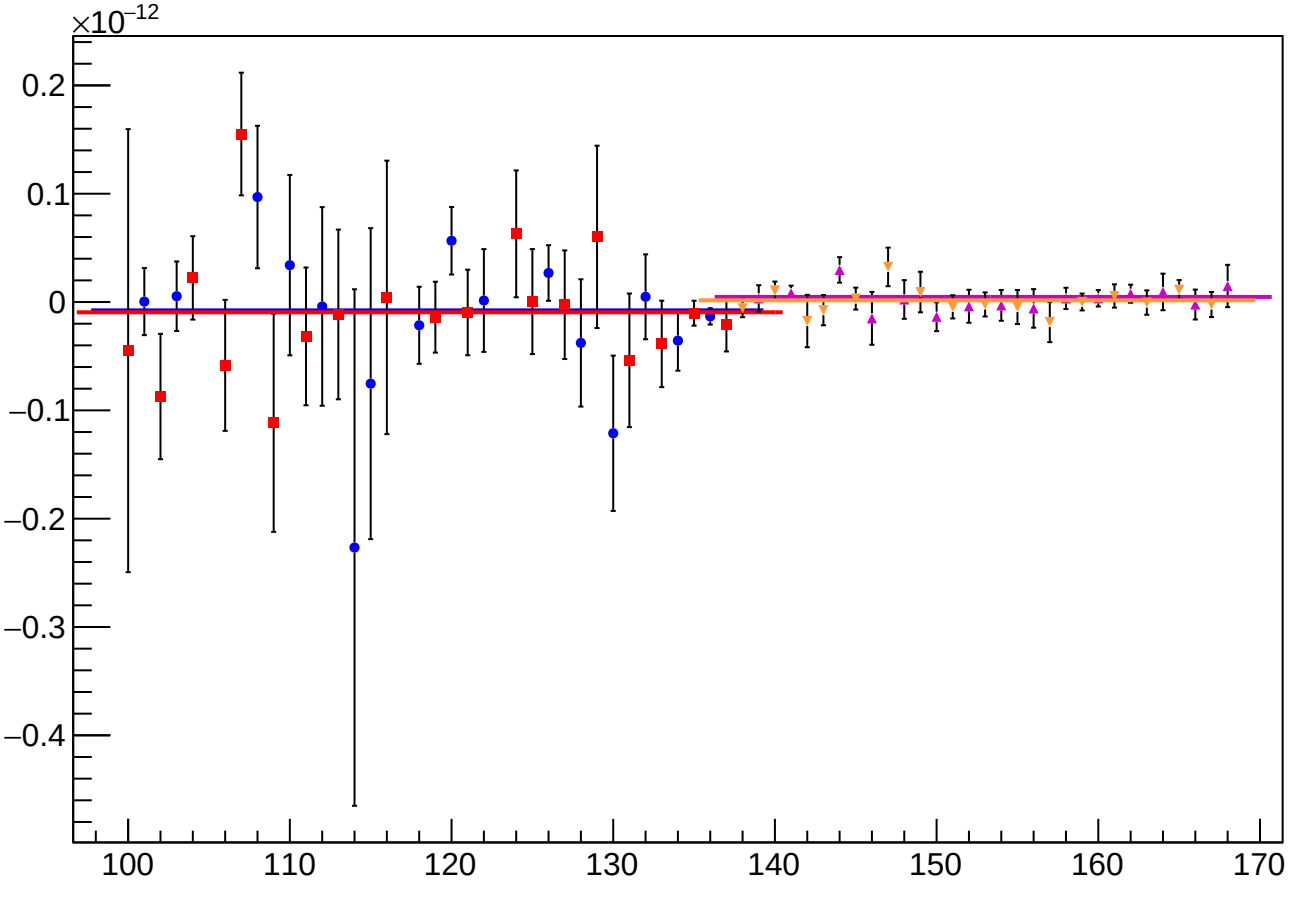
Left: 336.539+/-0.048 χ^2/NDF: 1211996.4/30

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.811+/-0.059 χ^2/NDF:3276879.6/30

Out: 360.878+/-0.060 χ^2/NDF:3251348.7/34

All: 358.338+/-0.042 χ^2/NDF: 6531851.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

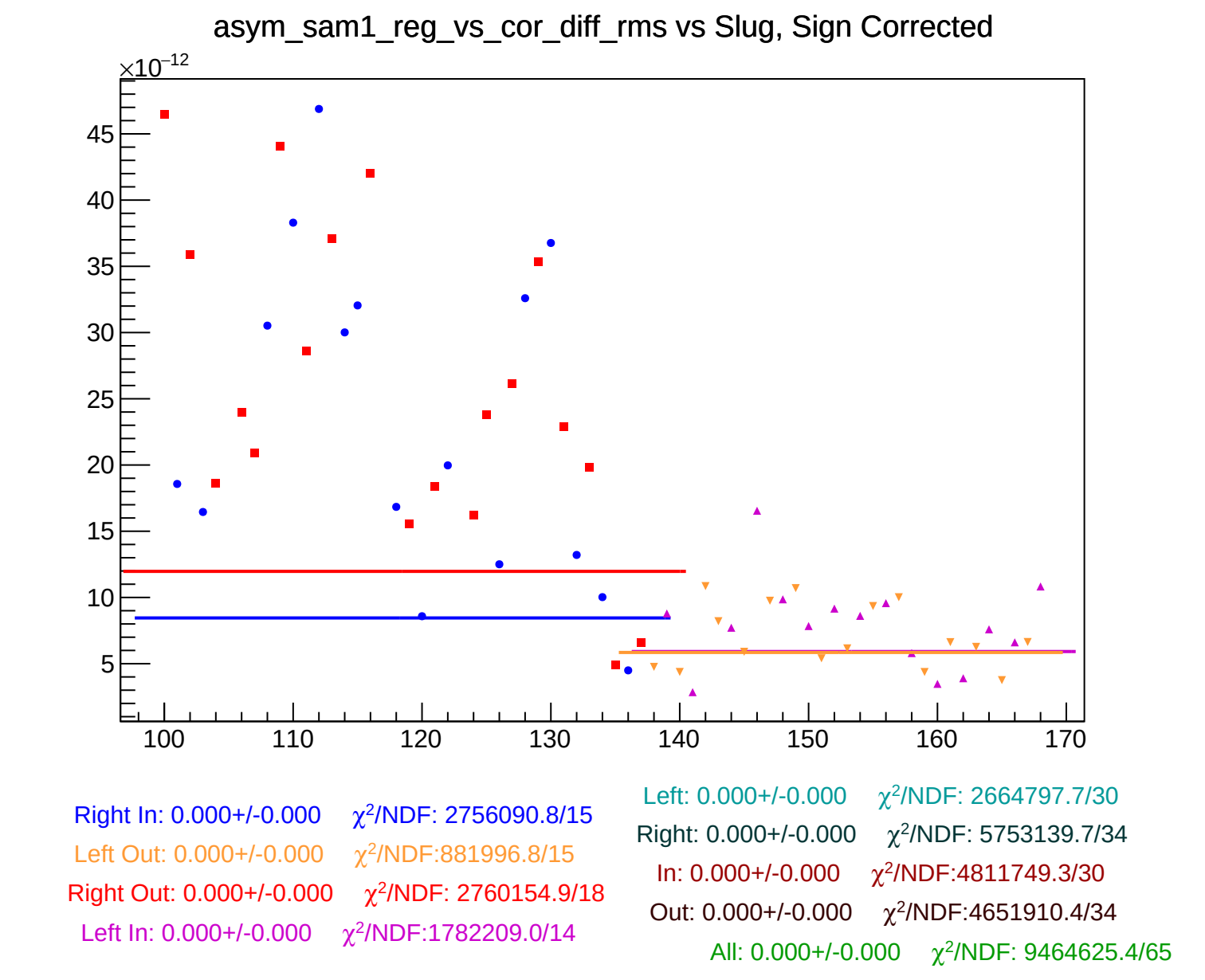
Left: 0.000+/-0.000 χ^2/NDF: 19.1/30

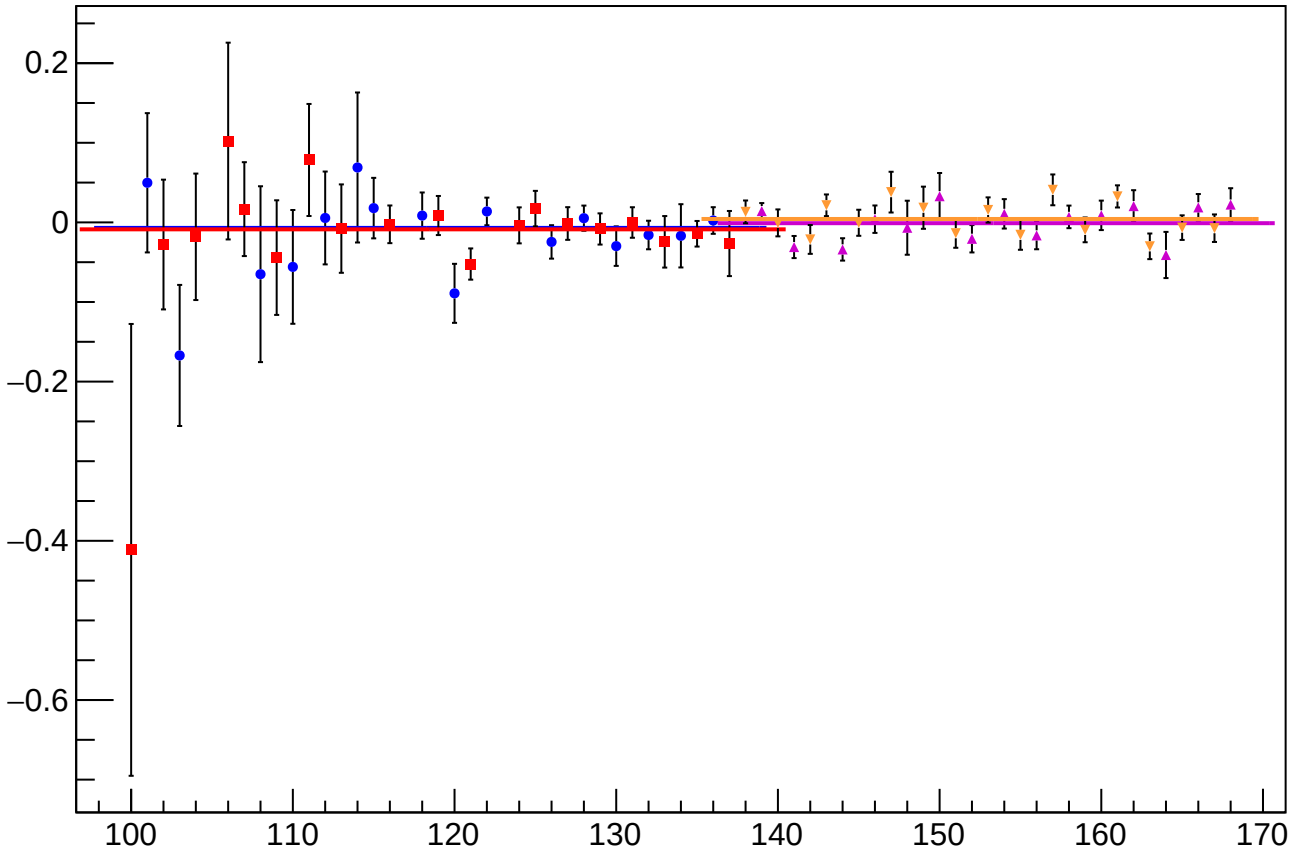
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.1/30

Out: 0.000+/-0.000 χ^2/NDF:27.5/34

All: 0.000+/-0.000 χ^2/NDF: 54.8/65


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:881996.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1782209.0/14
Left: 0.000+/-0.000 χ²/NDF: 2664797.7/30
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4811749.3/30
Out: 0.000+/-0.000 χ²/NDF:4651910.4/34
All: 0.000+/-0.000 χ²/NDF: 9464625.4/65



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.004 χ^2/NDF:22.8/14

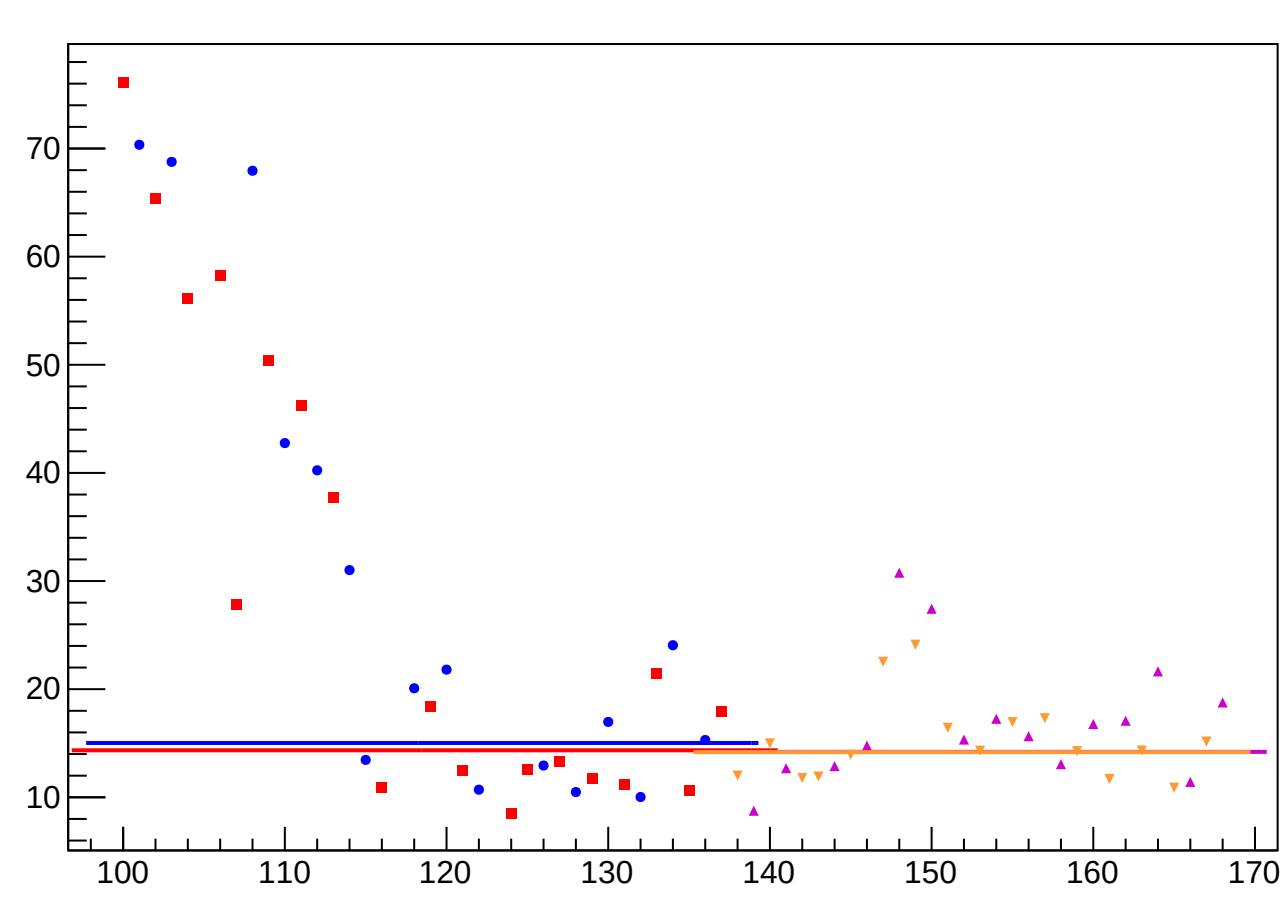
Left: 0.002+/-0.003 χ^2/NDF: 46.3/30

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.003+/-0.004 χ^2/NDF:38.2/30

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 76.9/65



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978081.4/14

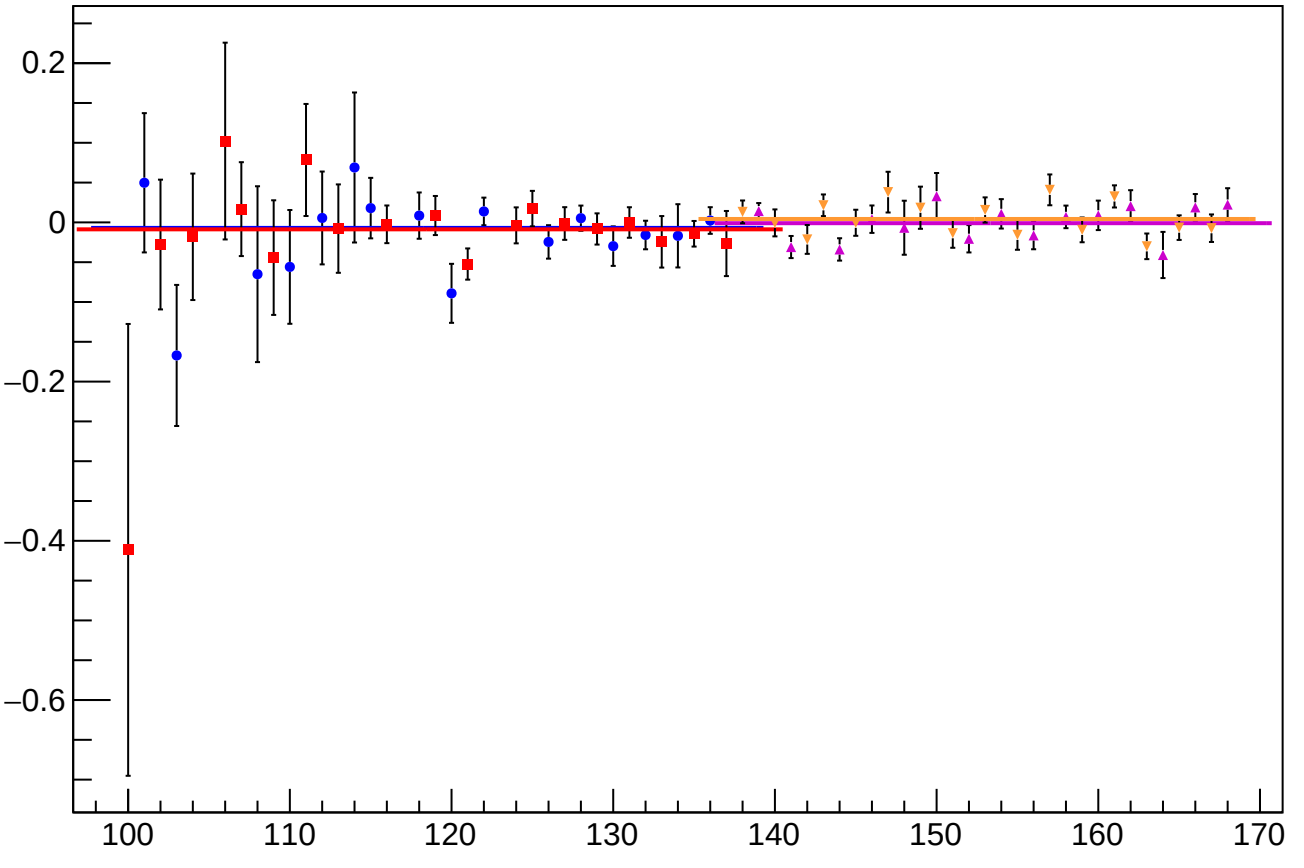
Left: 14.188+/-0.002 χ^2/NDF: 2901328.5/30

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.444+/-0.003 χ^2/NDF:5437505.5/30

Out: 14.228+/-0.002 χ^2/NDF:4553238.8/34

All: 14.332+/-0.002 χ^2/NDF: 9994366.7/65



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.004 χ^2/NDF:22.8/14

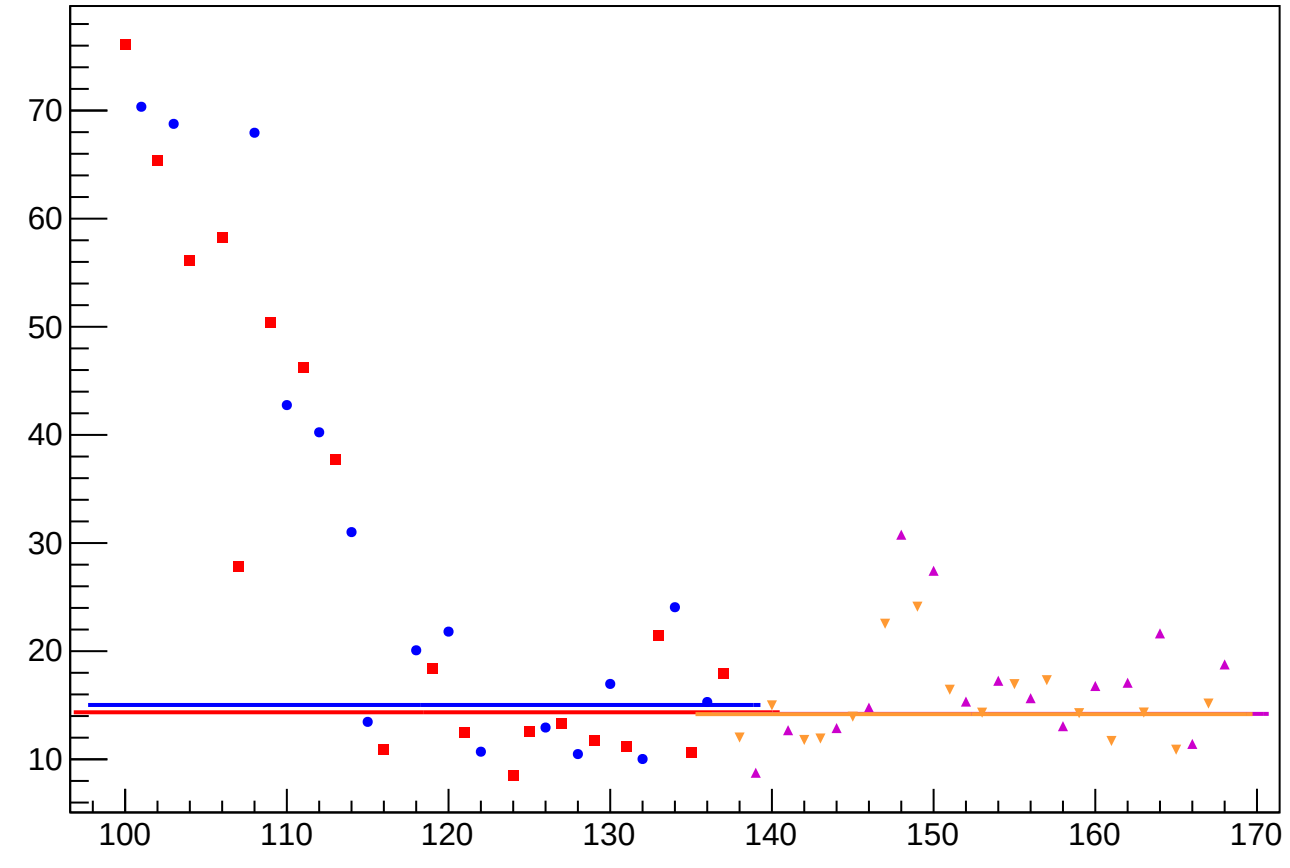
Left: 0.002+/-0.003 χ^2/NDF: 46.3/30

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.003+/-0.004 χ^2/NDF:38.2/30

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 76.9/65



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.177+/-0.003 χ^2/NDF:923215.1/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978081.4/14

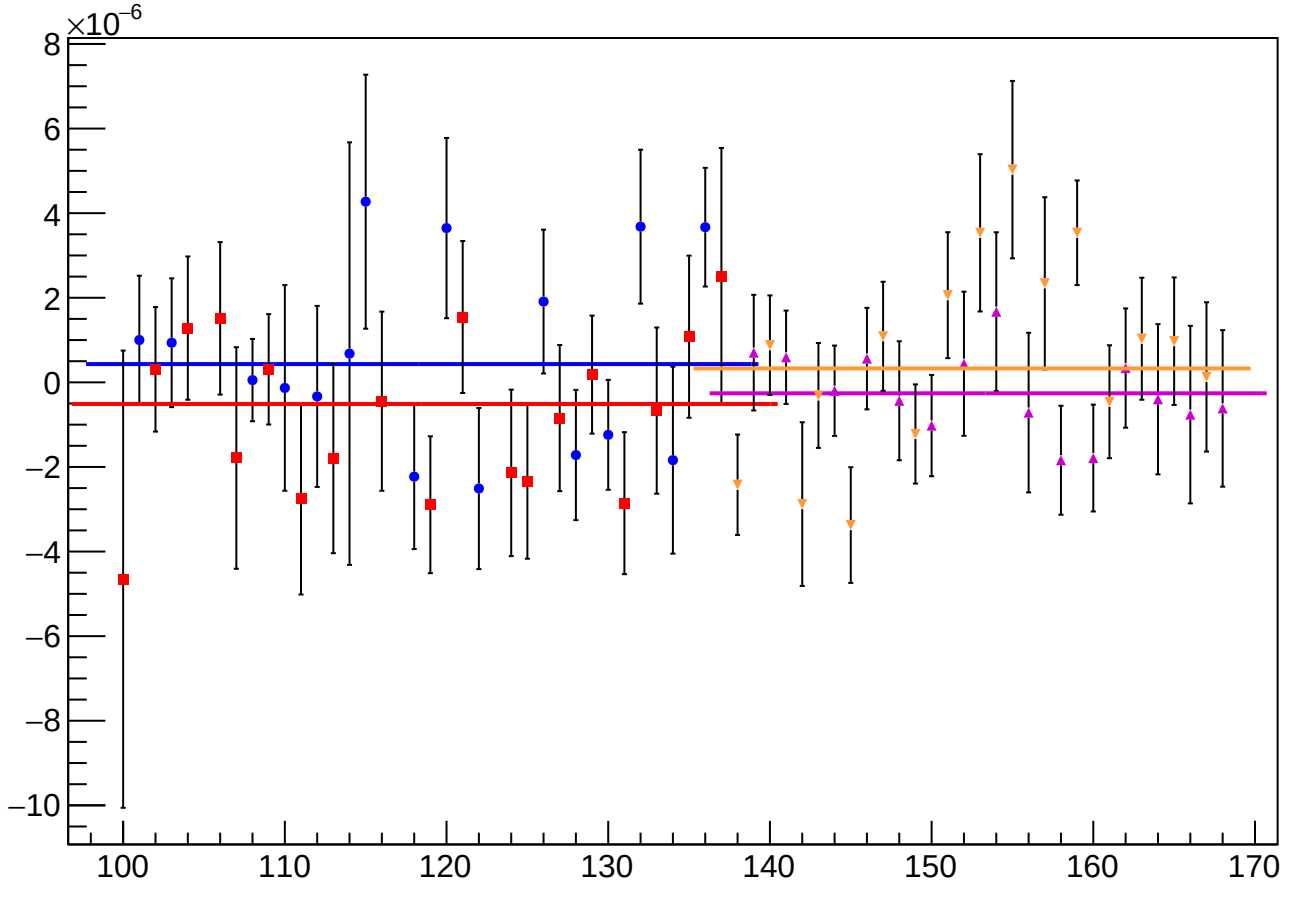
Left: 14.188+/-0.002 χ^2/NDF: 2901328.5/30

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.444+/-0.003 χ^2/NDF:5437505.5/30

Out: 14.228+/-0.002 χ^2/NDF:4553238.8/34

All: 14.332+/-0.002 χ^2/NDF: 9994366.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/14

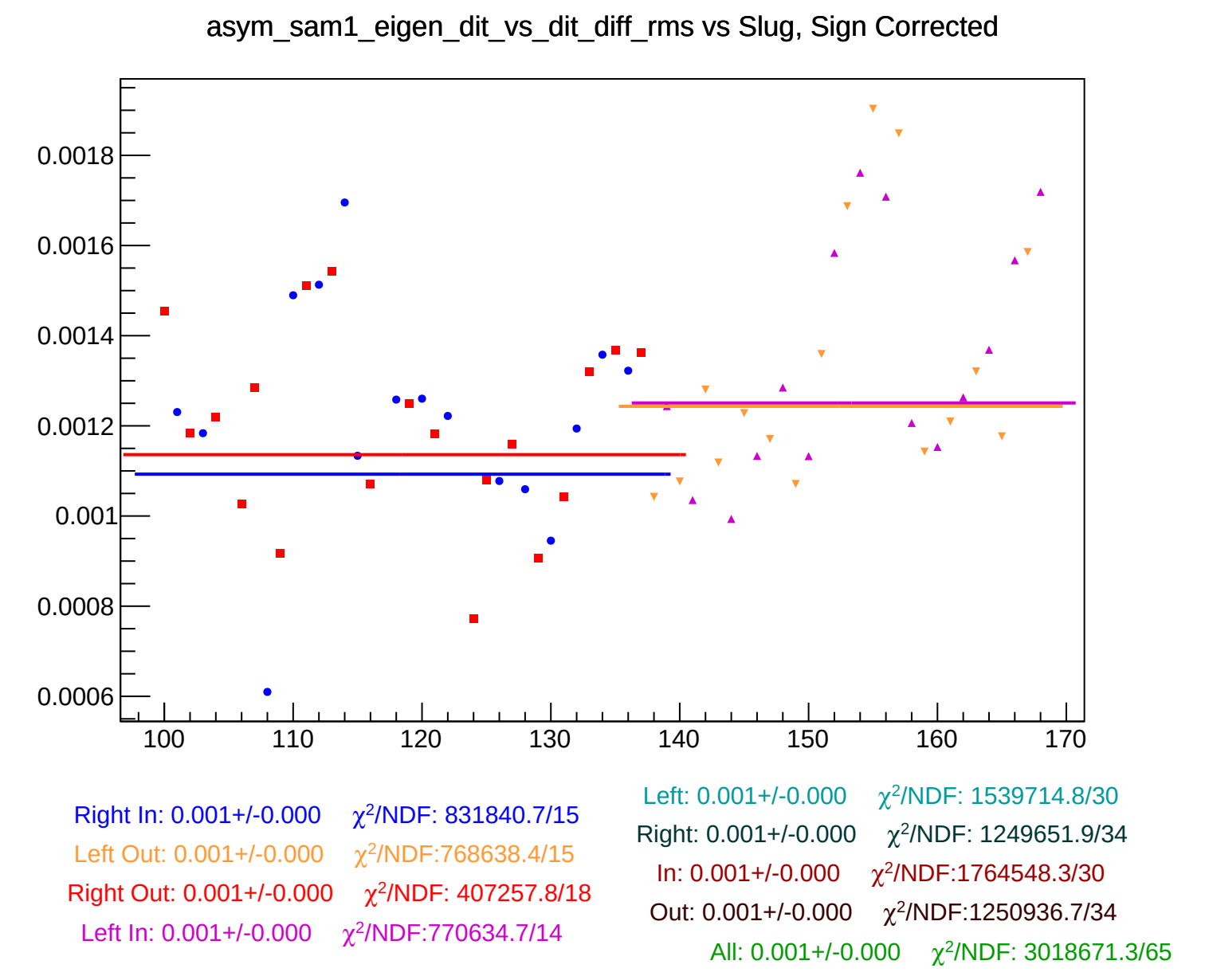
Left: 0.000+/-0.000 χ^2/NDF: 43.7/30

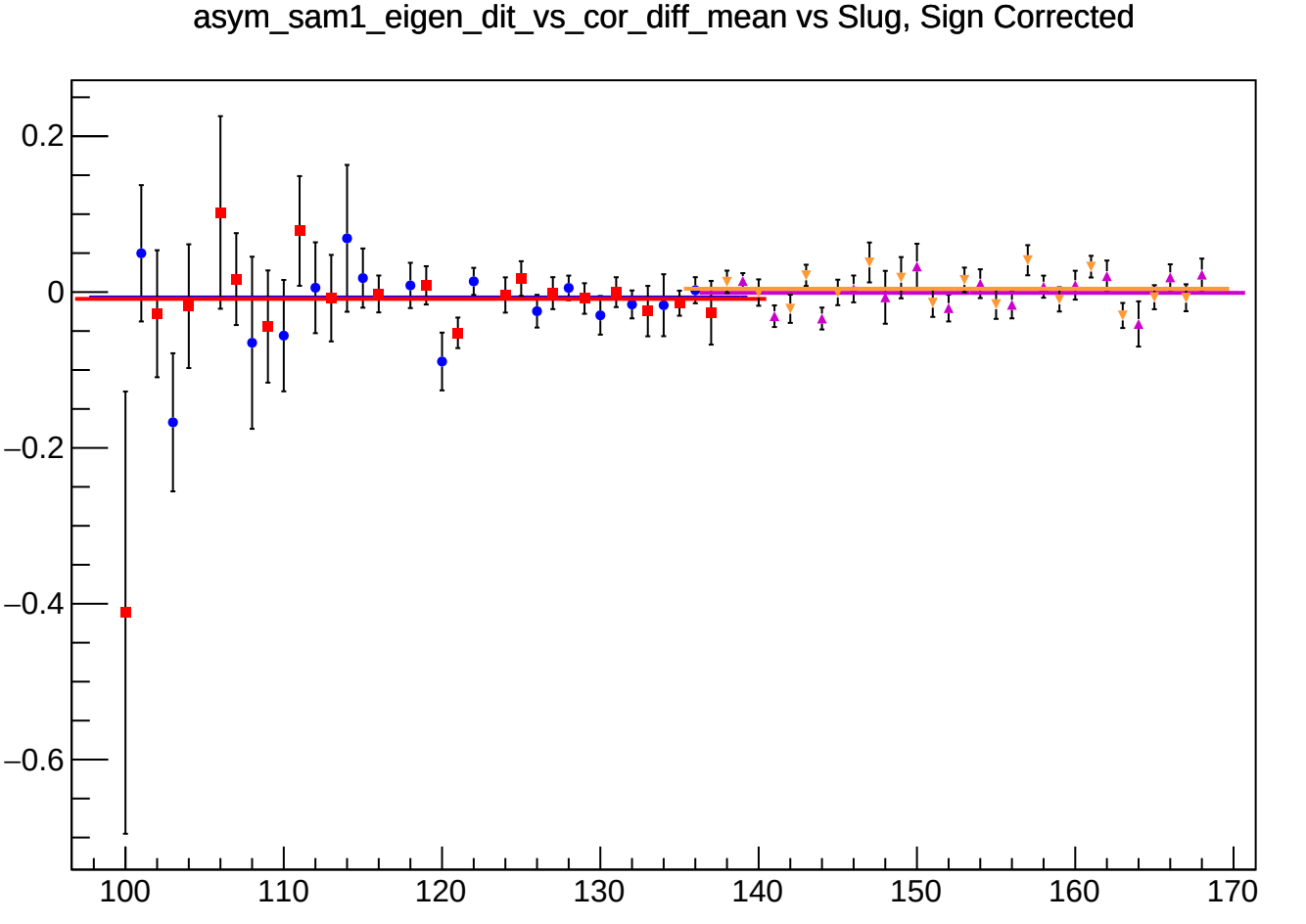
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.3/30

Out: -0.000+/-0.000 χ^2/NDF:52.5/34

All: 0.000+/-0.000 χ^2/NDF: 83.8/65


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:768638.4/15
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:770634.7/14
Left: 0.001+/-0.000 χ²/NDF: 1539714.8/30
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1764548.3/30
Out: 0.001+/-0.000 χ²/NDF:1250936.7/34
All: 0.001+/-0.000 χ²/NDF: 3018671.3/65



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.004 χ^2/NDF:22.8/14

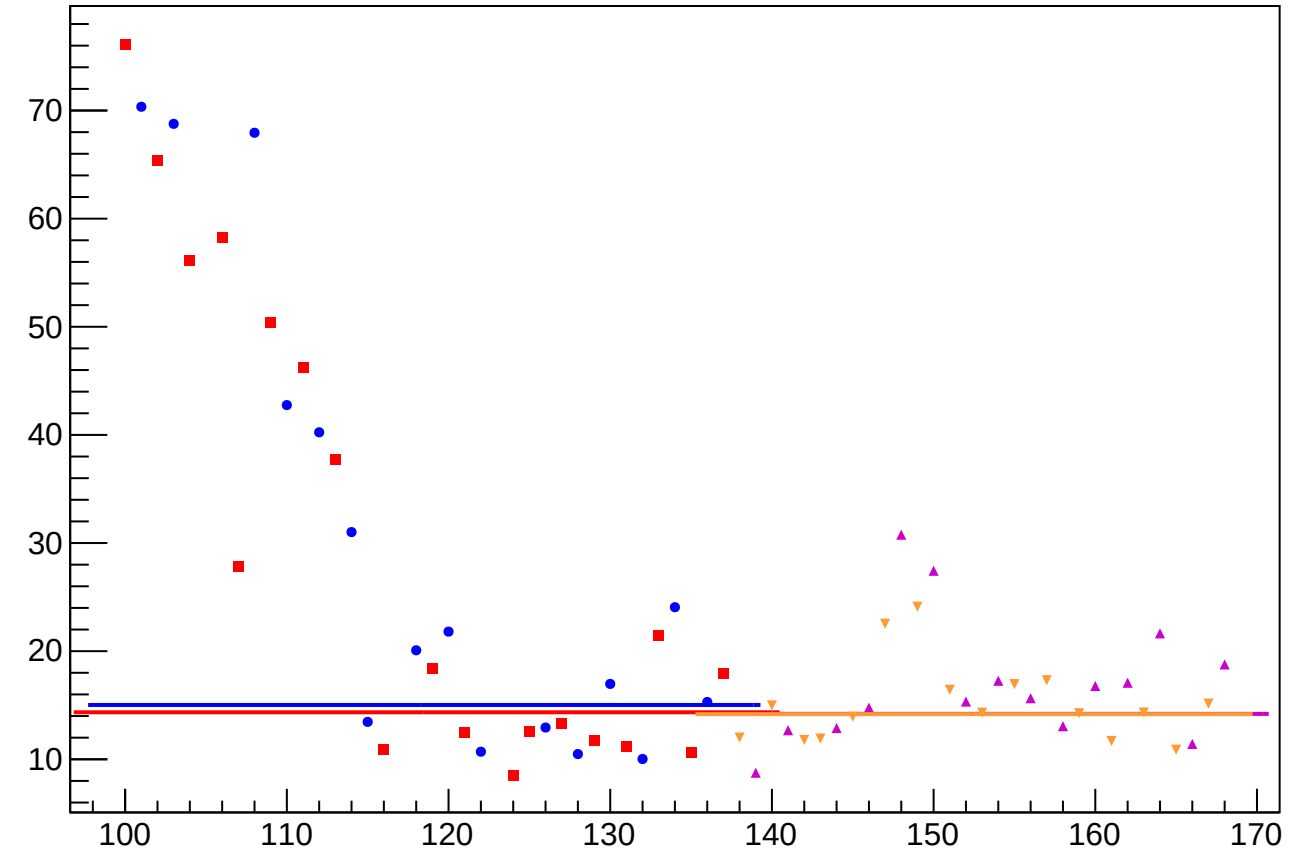
Left: 0.002+/-0.003 χ^2/NDF: 46.3/30

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.003+/-0.004 χ^2/NDF:38.2/30

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 76.9/65



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.176+/-0.003 χ^2/NDF:923275.4/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978150.3/14

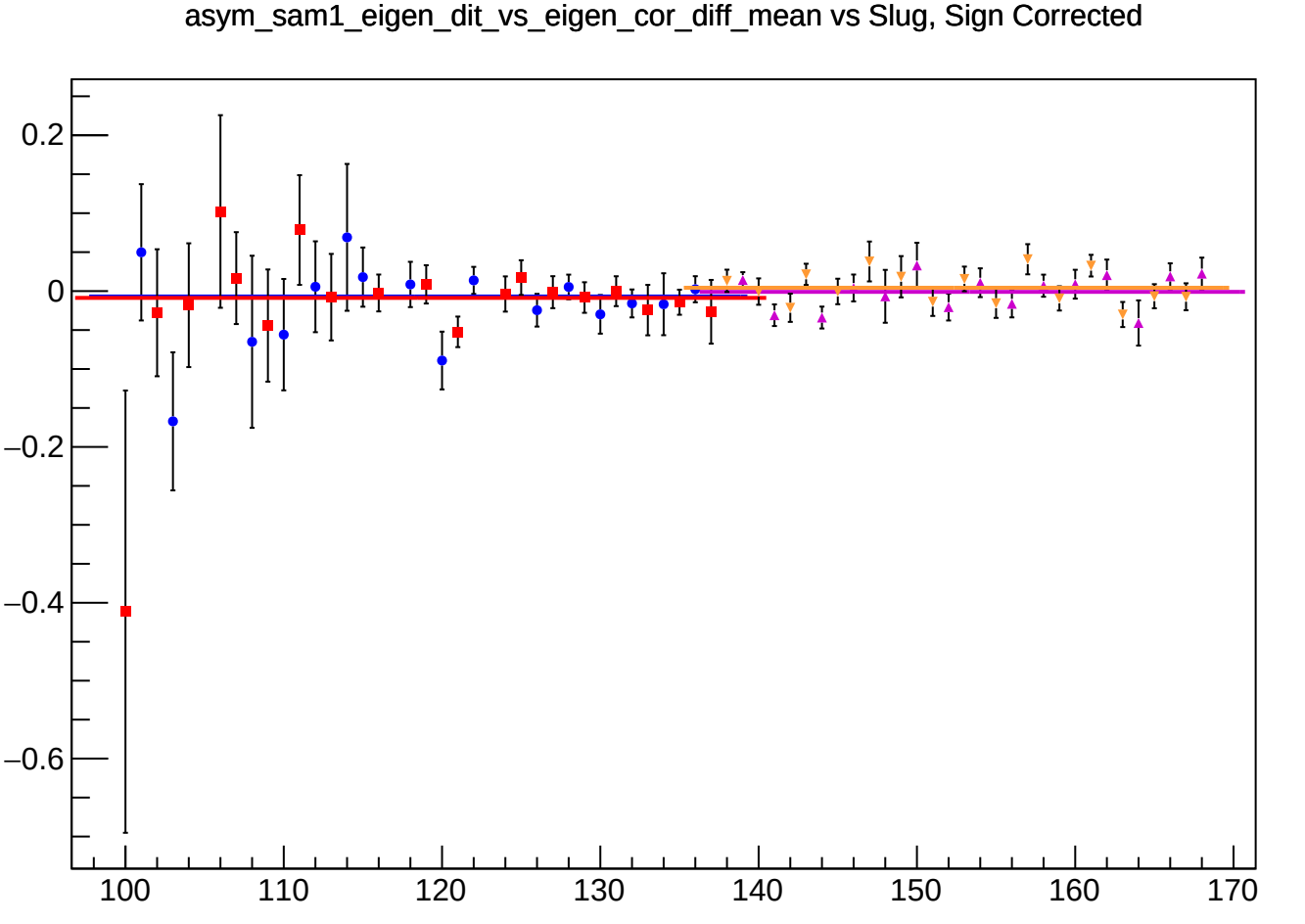
Left: 14.188+/-0.002 χ^2/NDF: 2901457.8/30

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.444+/-0.003 χ^2/NDF:5437588.1/30

Out: 14.228+/-0.002 χ^2/NDF:4553289.3/34

All: 14.332+/-0.002 χ^2/NDF: 9994499.4/65



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:22.8/15

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.004 χ^2/NDF:22.8/14

Left: 0.002+/-0.003 χ^2/NDF: 46.3/30

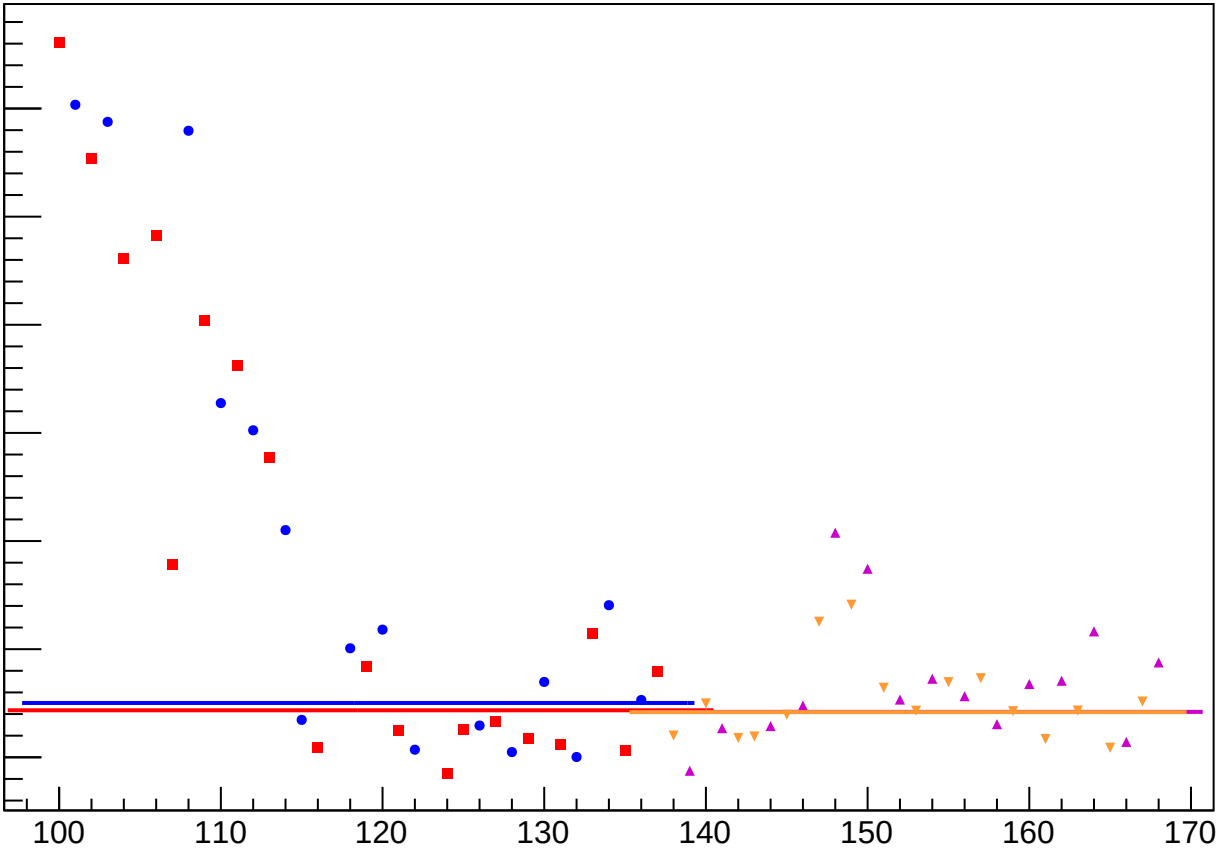
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.003+/-0.004 χ^2/NDF:38.2/30

Out: 0.000+/-0.004 χ^2/NDF:38.3/34

All: -0.001+/-0.003 χ^2/NDF: 76.9/65

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.176+/-0.003 χ^2/NDF:923275.4/15

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.201+/-0.003 χ^2/NDF:1978150.3/14

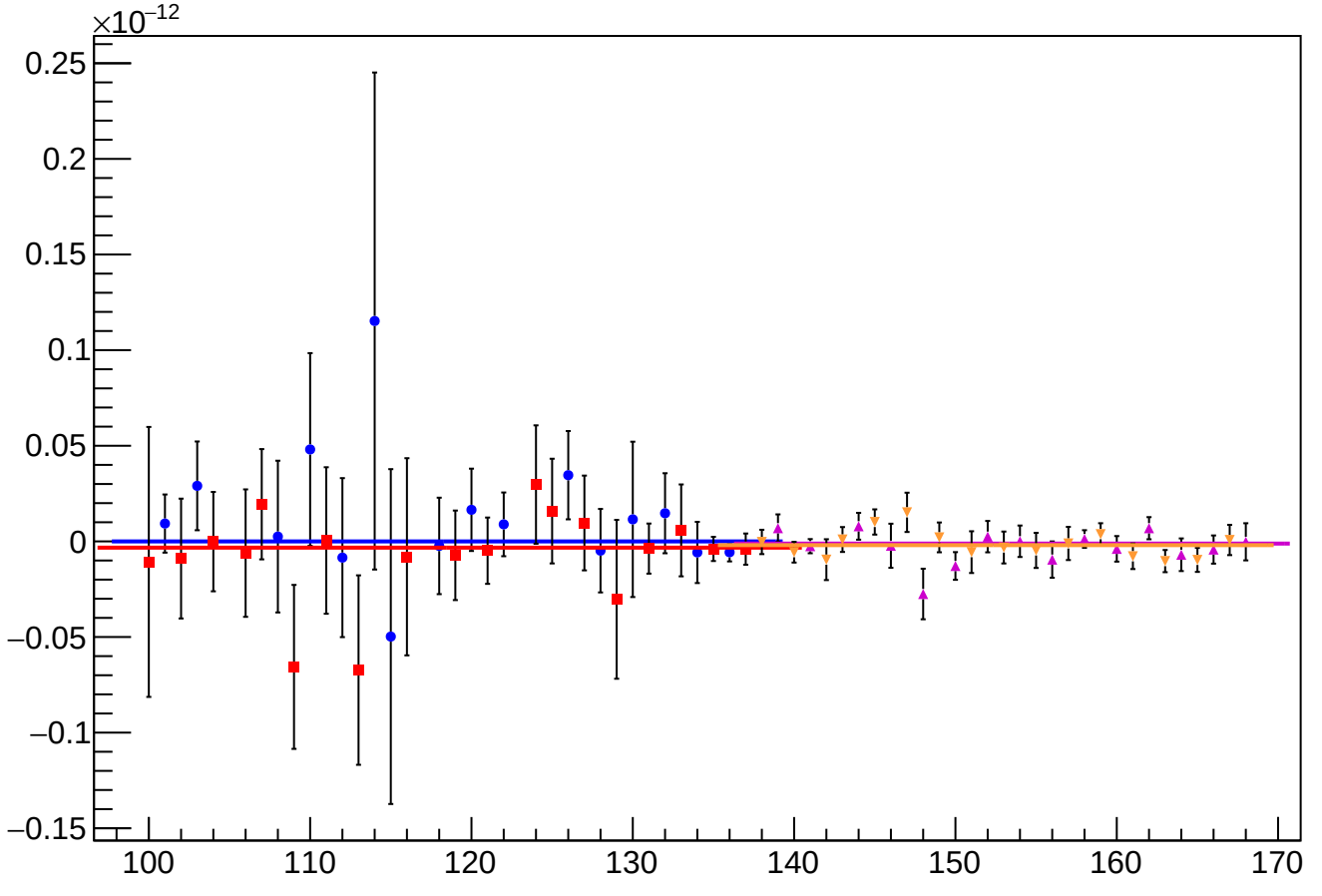
Left: 14.188+/-0.002 χ^2/NDF: 2901457.8/30

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.444+/-0.003 χ^2/NDF:5437588.1/30

Out: 14.228+/-0.002 χ^2/NDF:4553289.3/34

All: 14.332+/-0.002 χ^2/NDF: 9994499.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/14

Left: -0.000+/-0.000 χ^2/NDF: 27.1/30

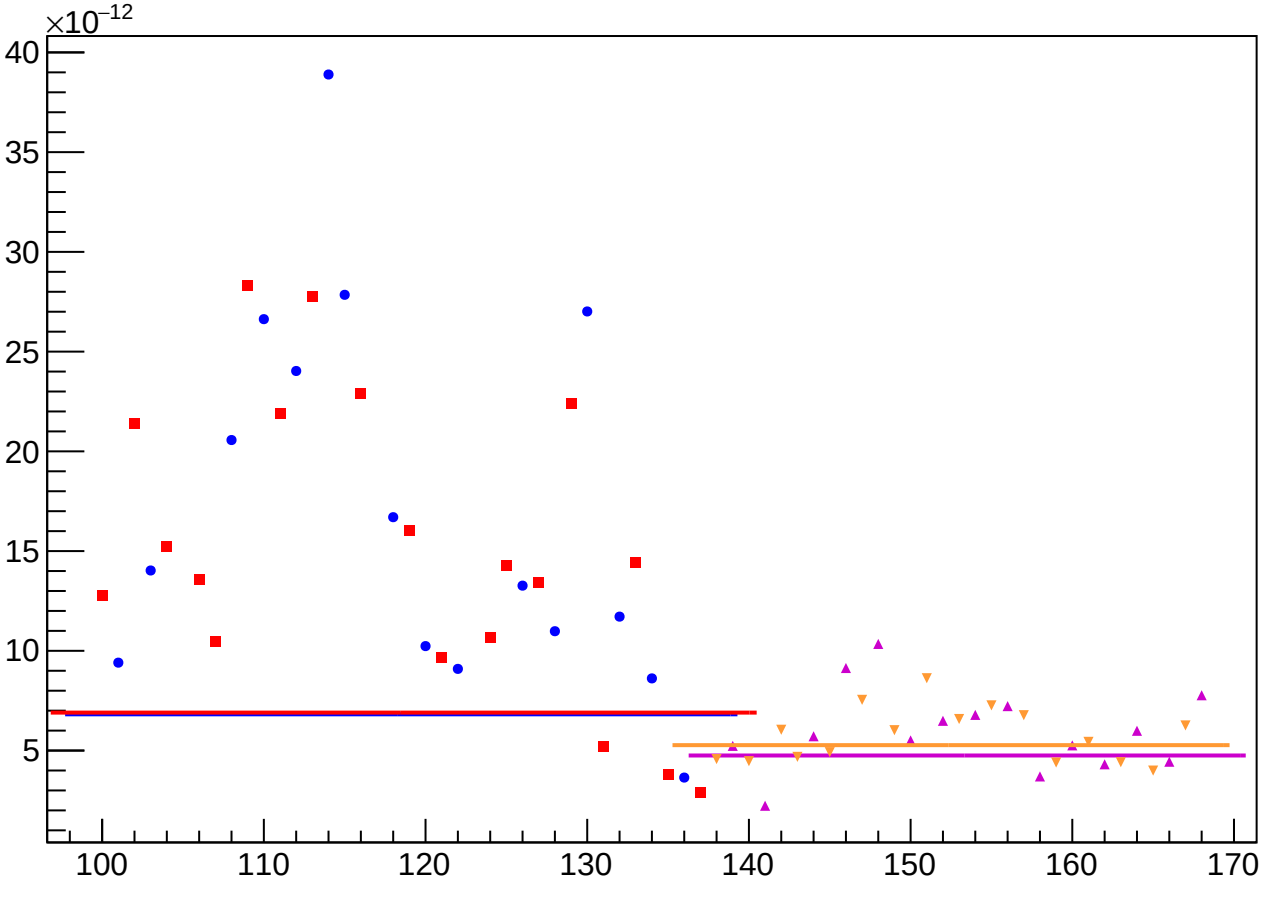
Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/30

Out: -0.000+/-0.000 χ^2/NDF:20.5/34

All: -0.000+/-0.000 χ^2/NDF: 43.8/65

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:814192.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2355552.0/14

Left: 0.000+/-0.000 χ^2/NDF: 3255691.0/30

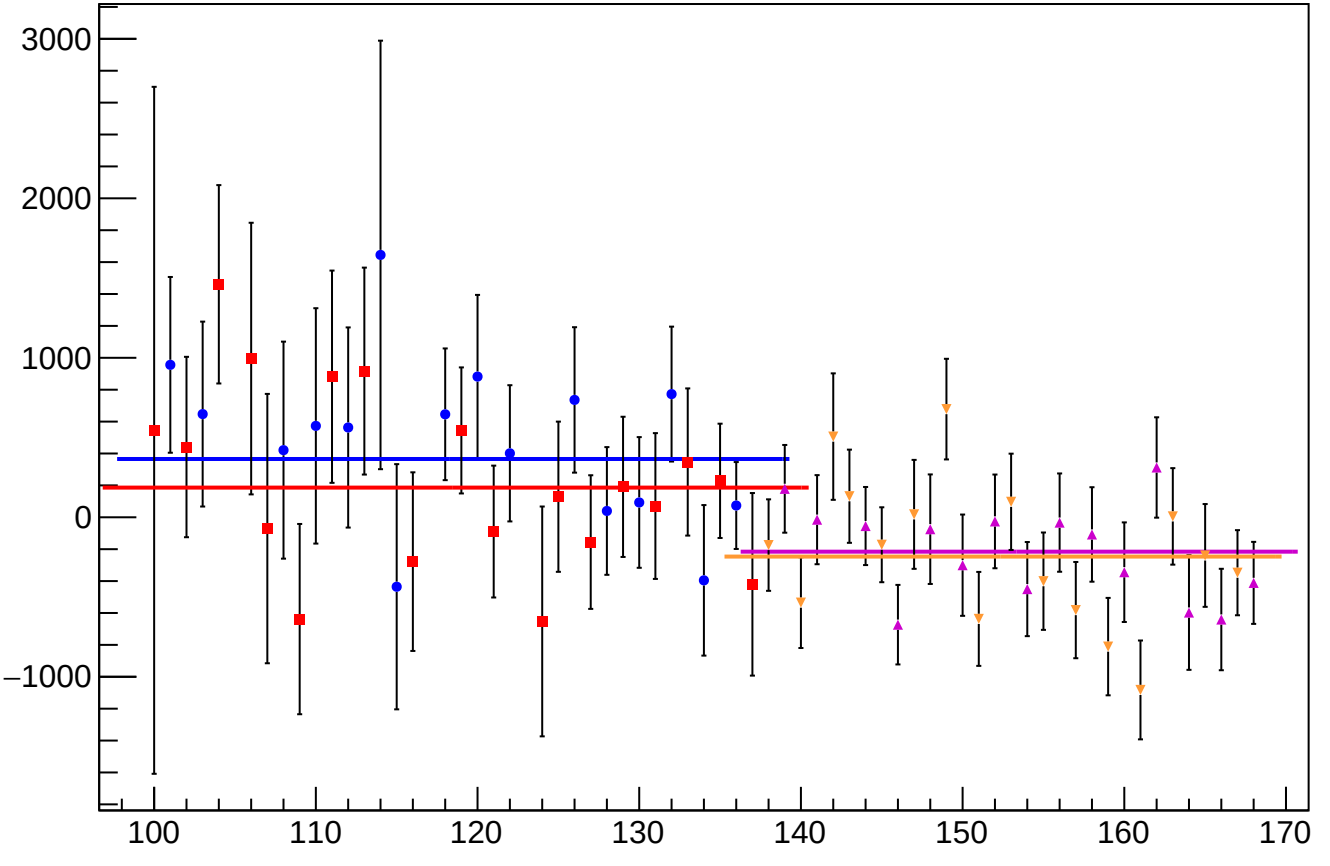
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:6356592.6/30

Out: 0.000+/-0.000 χ^2/NDF:5338822.6/34

All: 0.000+/-0.000 χ^2/NDF: 11768531.3/65

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.352+/-74.689 χ^2/NDF:31.7/15

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -215.568+/-75.528 χ^2/NDF:14.6/14

Left: -231.132+/-53.107 χ^2/NDF: 46.4/30

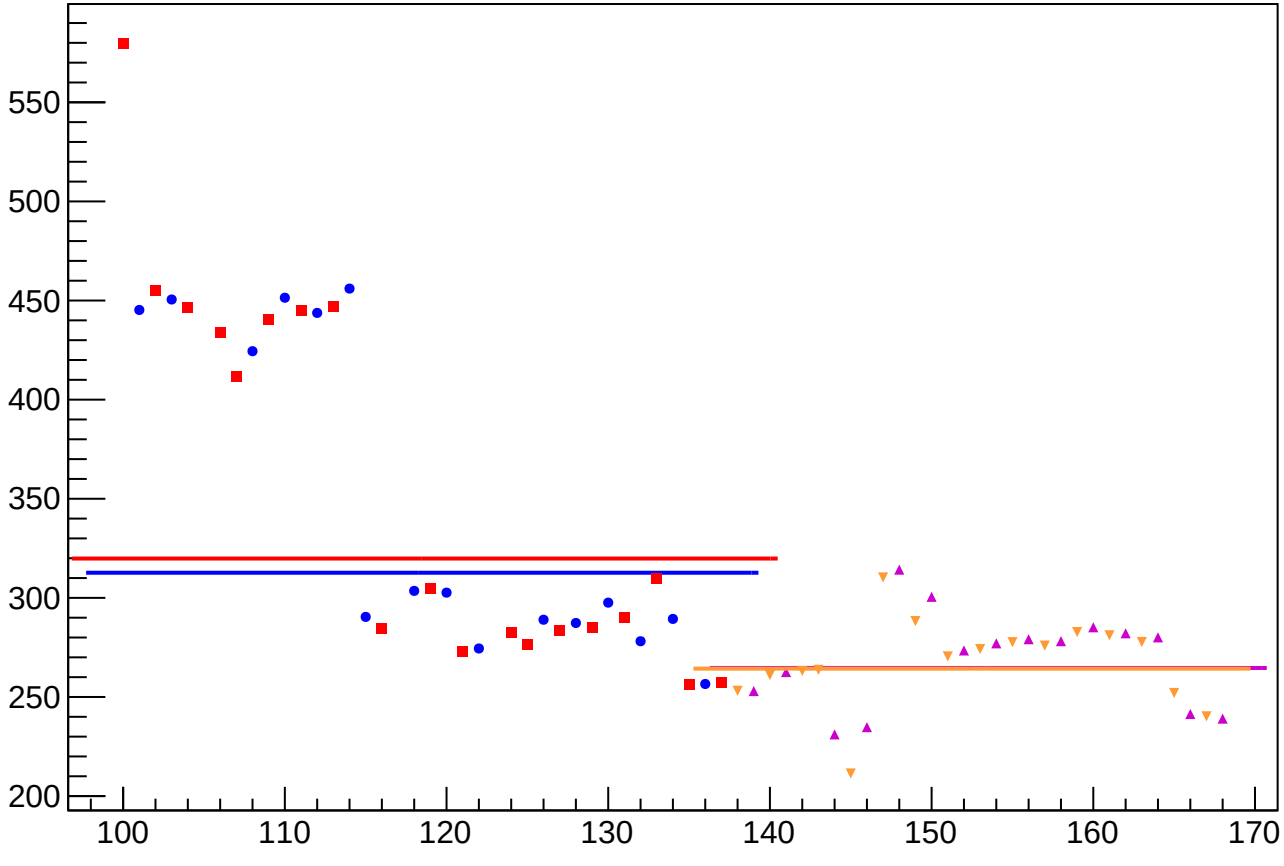
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -48.446+/-63.749 χ^2/NDF:43.1/30

Out: -125.861+/-63.438 χ^2/NDF:56.1/34

All: -87.343+/-44.967 χ^2/NDF: 100.0/65

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

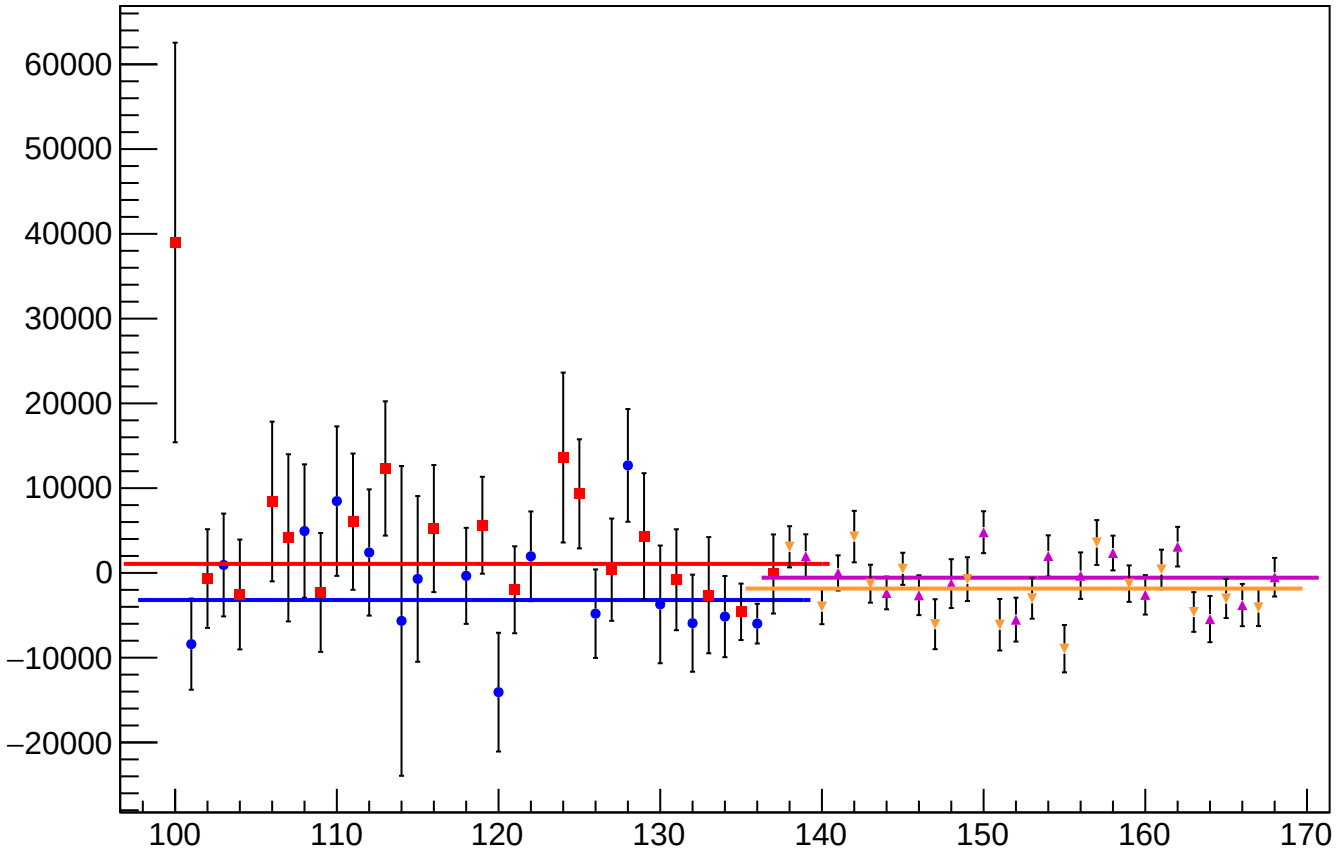
Left: 264.470+/-0.038 χ^2/NDF: 398653.0/30

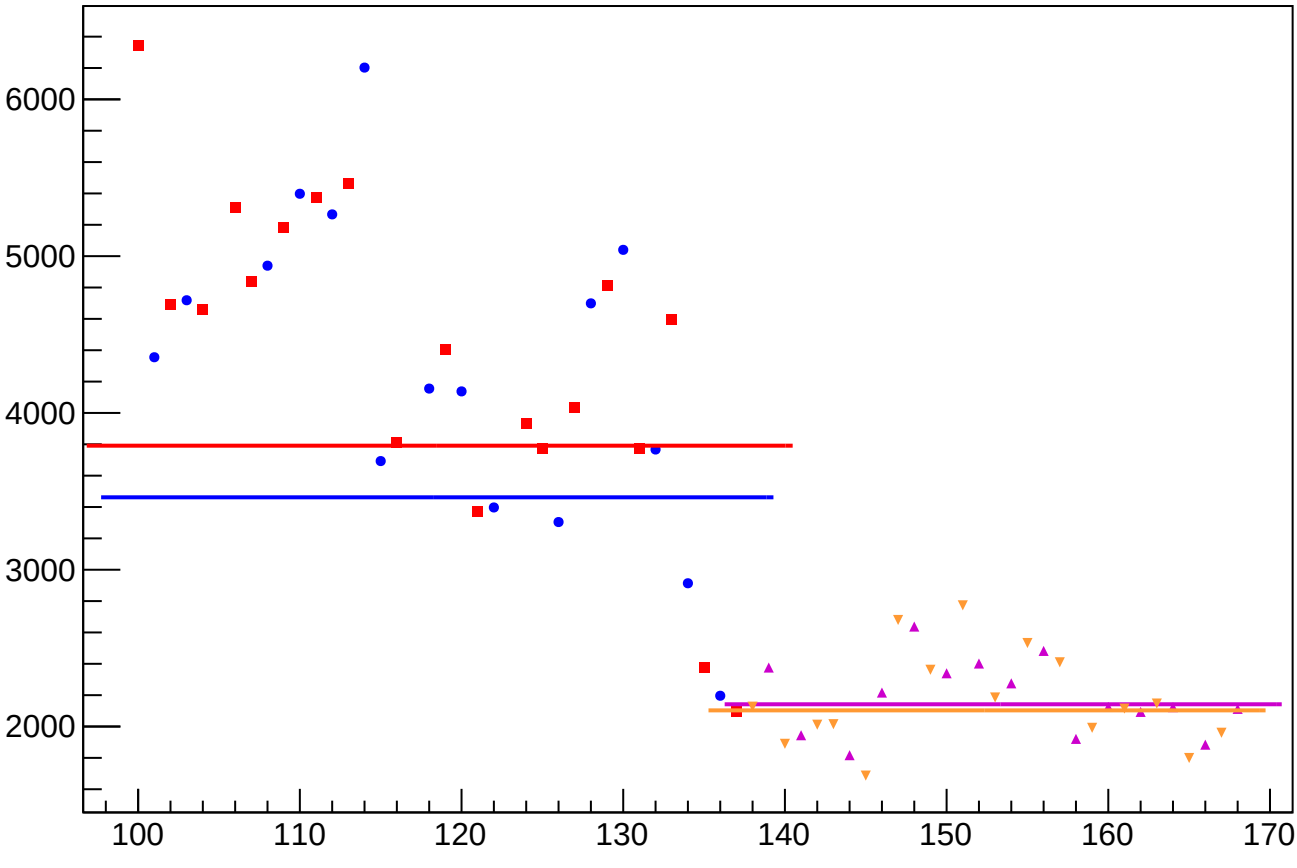
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 278.457+/-0.045 χ^2/NDF:1034899.1/30

Out: 279.777+/-0.045 χ^2/NDF:1204609.9/34

All: 279.120+/-0.032 χ^2/NDF: 2239939.6/65


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -1846.236+/-598.959 χ²/NDF:29.6/15
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: -563.621+/-612.962 χ²/NDF:22.3/14
Left: -1219.746+/-428.393 χ²/NDF: 54.2/30
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -1011.915+/-558.393 χ²/NDF:41.6/30
Out: -1418.401+/-553.215 χ²/NDF:47.5/34
All: -1217.052+/-393.000 χ²/NDF: 89.3/65



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.0/15

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2141.915+/-0.433 χ^2/NDF:268064.7/14

Left: 2122.011+/-0.303 χ^2/NDF: 714588.0/30

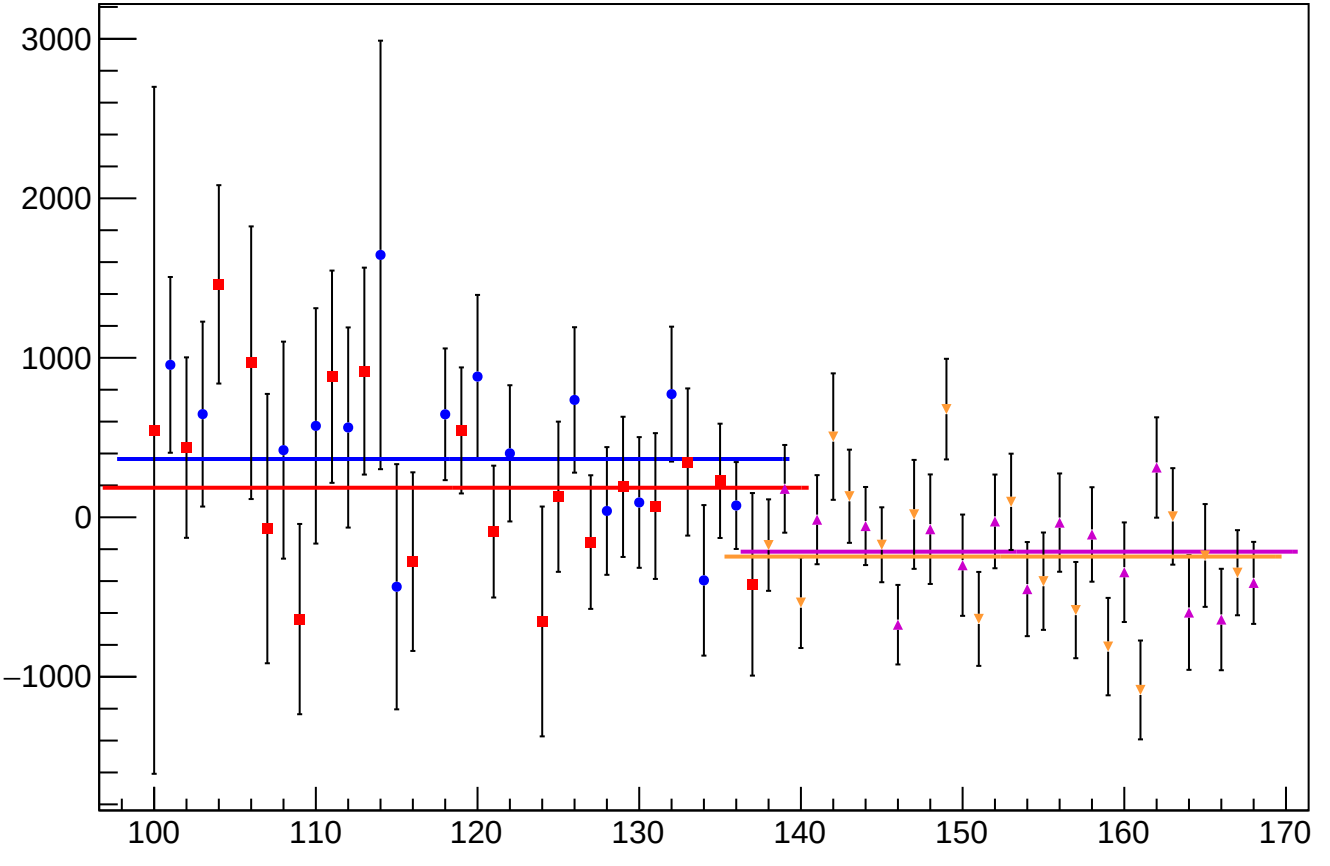
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2366.479+/-0.395 χ^2/NDF:3155555.3/30

Out: 2351.024+/-0.391 χ^2/NDF:3932383.7/34

All: 2358.679+/-0.278 χ^2/NDF: 7088712.2/65

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.345+/-74.689 χ^2/NDF:31.7/15

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -215.569+/-75.528 χ^2/NDF:14.6/14

Left: -231.129+/-53.107 χ^2/NDF: 46.4/30

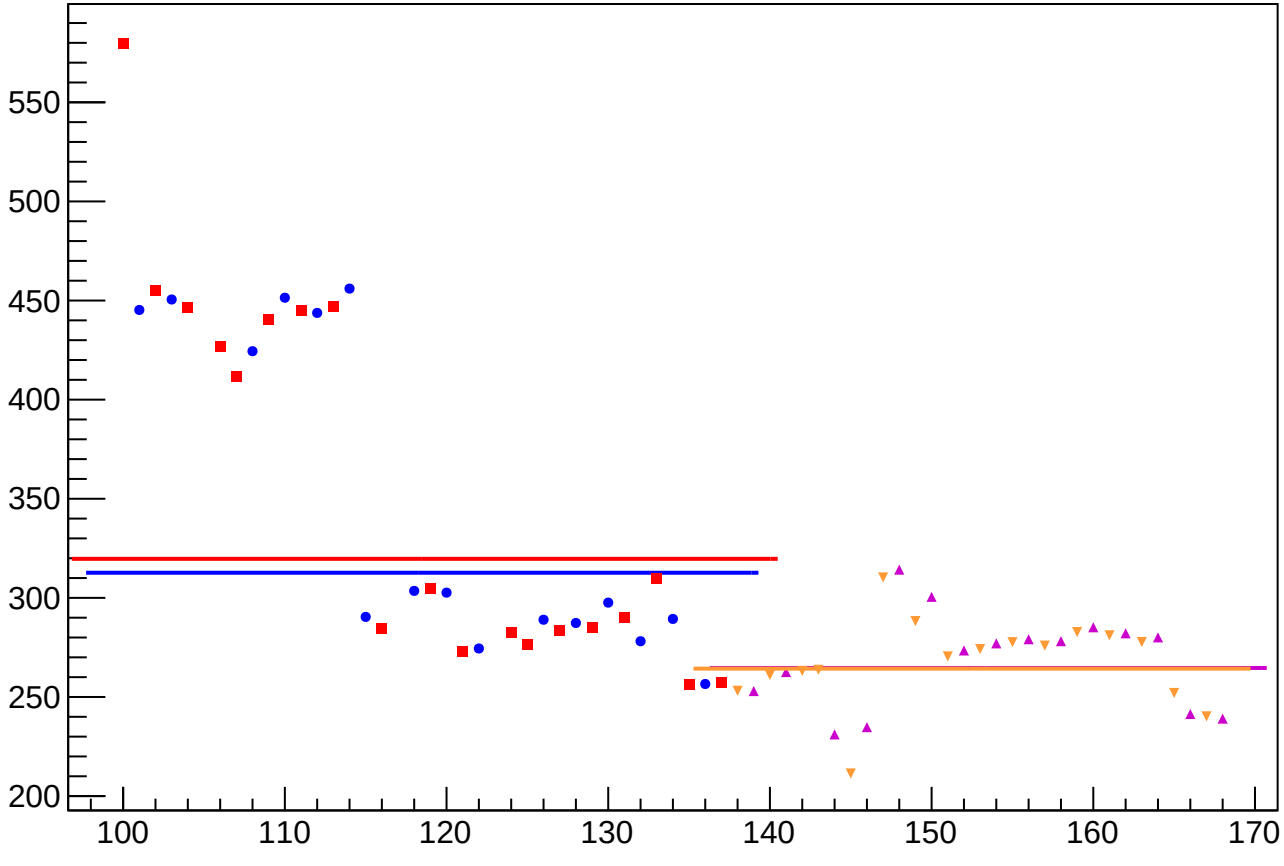
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -48.451+/-63.749 χ^2/NDF:43.1/30

Out: -126.098+/-63.439 χ^2/NDF:56.0/34

All: -87.463+/-44.967 χ^2/NDF: 99.9/65

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

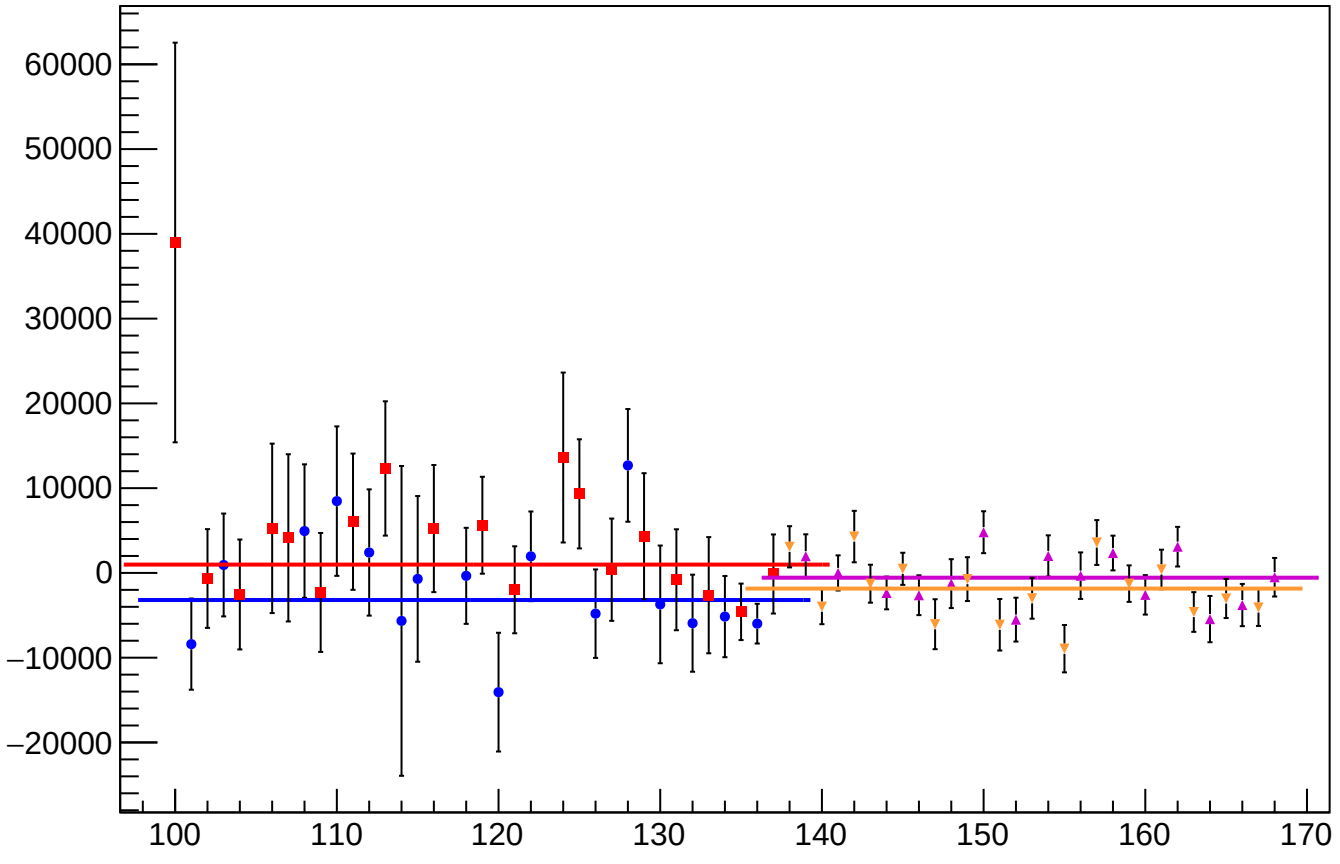
Left: 264.470+/-0.038 χ^2/NDF: 398653.0/30

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 278.457+/-0.045 χ^2/NDF:1034900.7/30

Out: 279.733+/-0.045 χ^2/NDF:1198763.7/34

All: 279.098+/-0.032 χ^2/NDF: 2234067.2/65



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1846.227+/-598.959 χ^2/NDF:29.6/15

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -563.612+/-612.962 χ^2/NDF:22.3/14

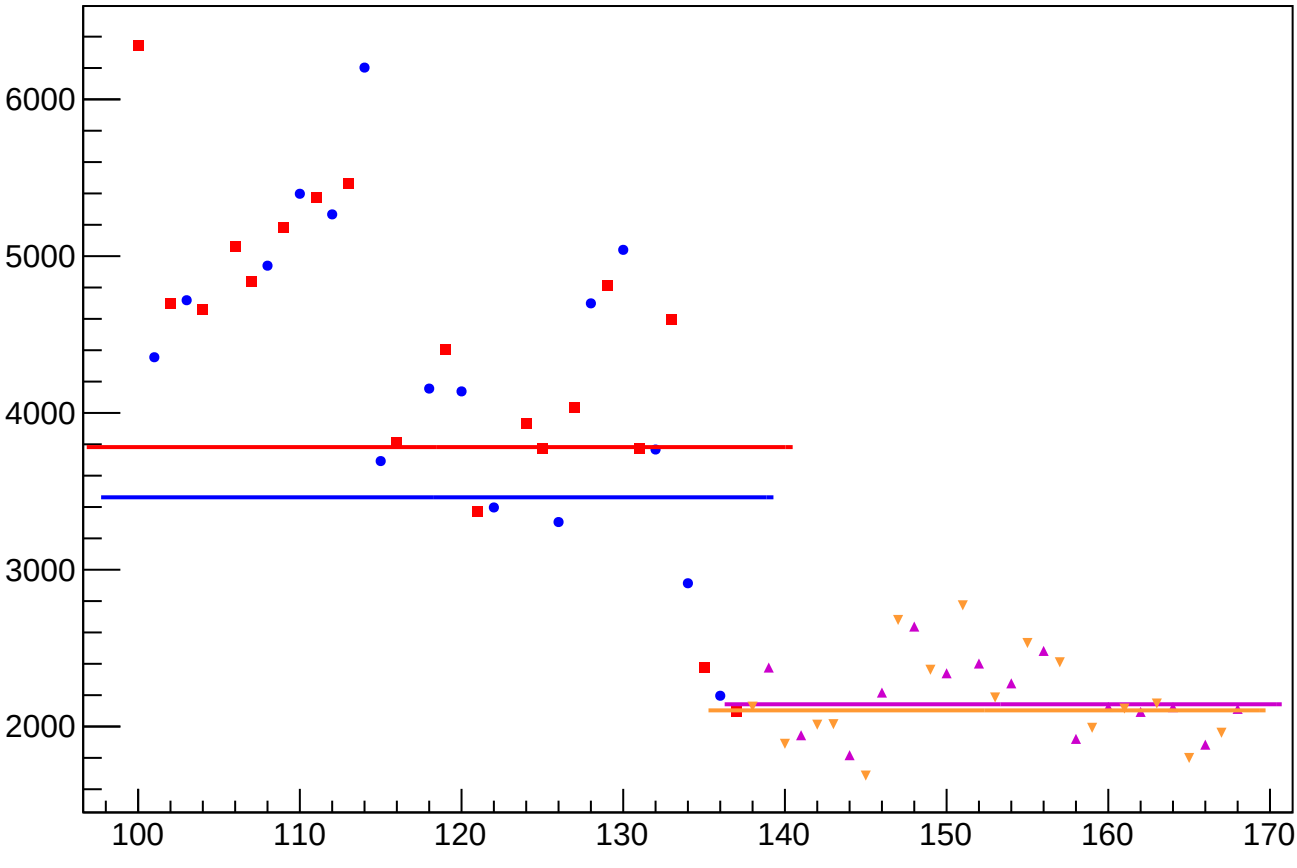
Left: -1219.737+/-428.393 χ^2/NDF: 54.2/30

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1011.895+/-558.394 χ^2/NDF:41.6/30

Out: -1431.832+/-553.324 χ^2/NDF:46.9/34

All: -1223.778+/-393.039 χ^2/NDF: 88.7/65



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.5/15

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2141.916+/-0.433 χ^2/NDF:268065.1/14

Left: 2122.011+/-0.303 χ^2/NDF: 714589.1/30

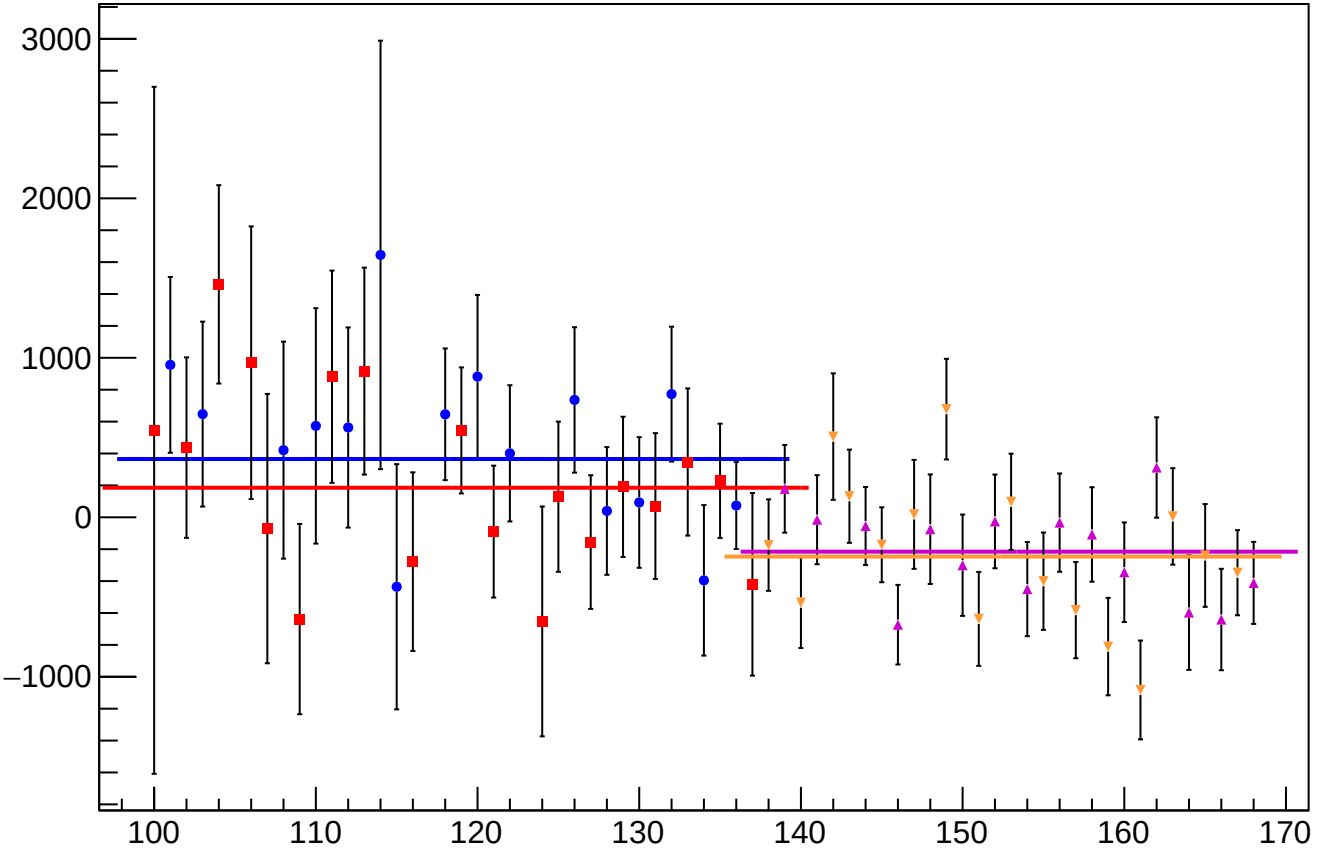
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2366.480+/-0.395 χ^2/NDF:3155573.9/30

Out: 2349.133+/-0.391 χ^2/NDF:3882779.3/34

All: 2357.727+/-0.278 χ^2/NDF: 7039327.2/65

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -246.345+/-74.689 χ^2/NDF:31.7/15

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -215.569+/-75.528 χ^2/NDF:14.6/14

Left: -231.129+/-53.107 χ^2/NDF: 46.4/30

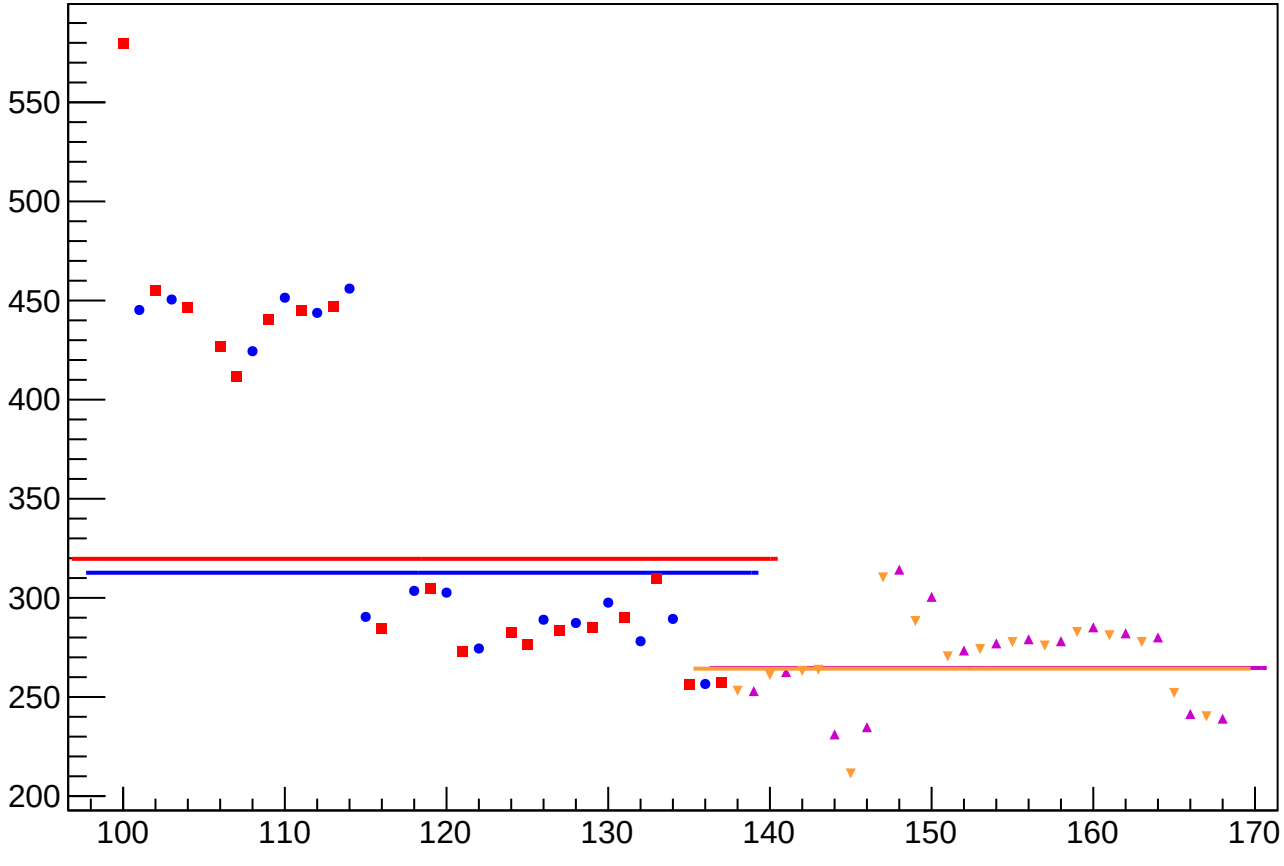
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -48.451+/-63.749 χ^2/NDF:43.1/30

Out: -126.098+/-63.439 χ^2/NDF:56.0/34

All: -87.463+/-44.967 χ^2/NDF: 99.9/65

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 264.304+/-0.053 χ^2/NDF:198666.6/15

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 264.640+/-0.053 χ^2/NDF:199966.4/14

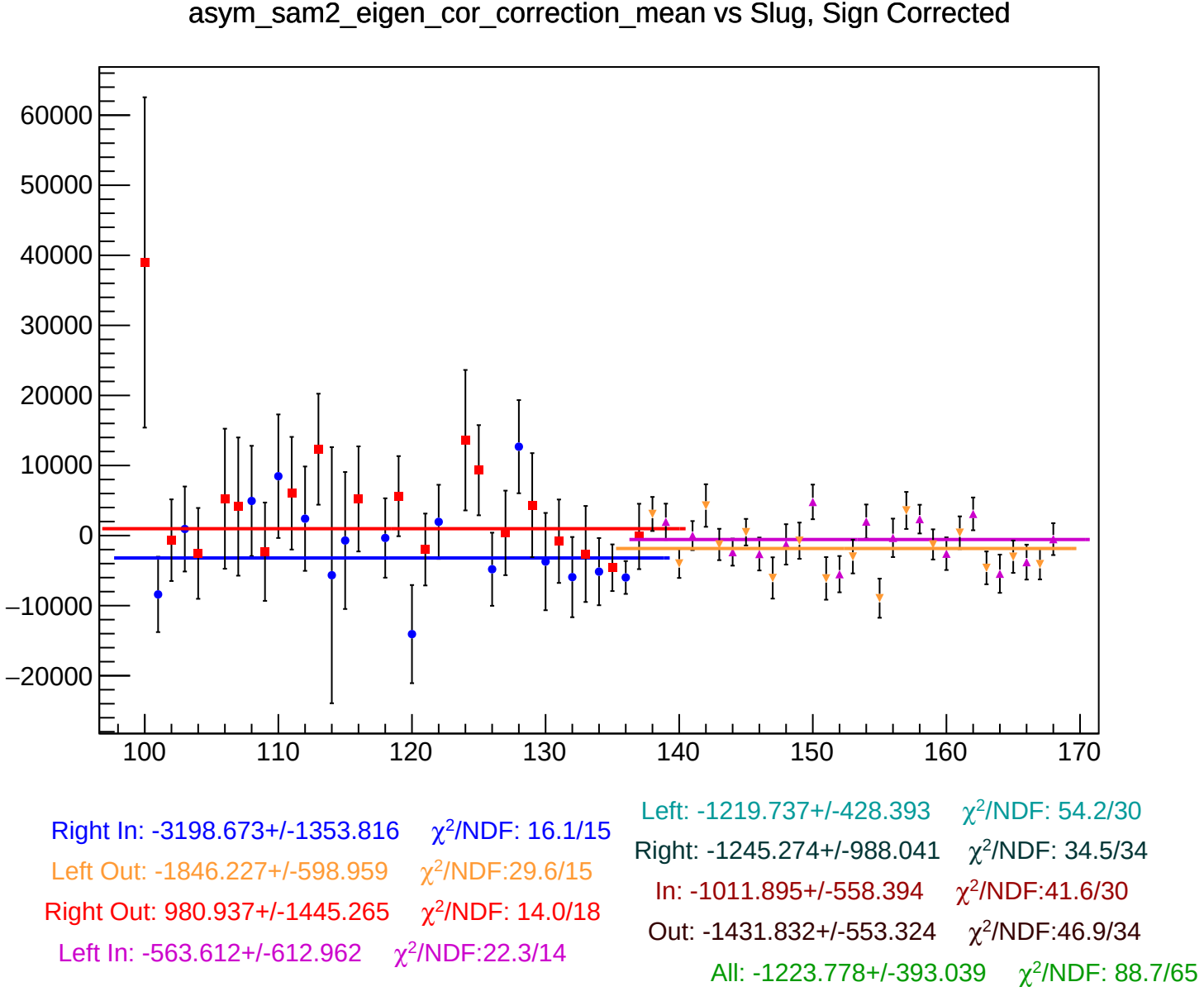
Left: 264.470+/-0.038 χ^2/NDF: 398653.0/30

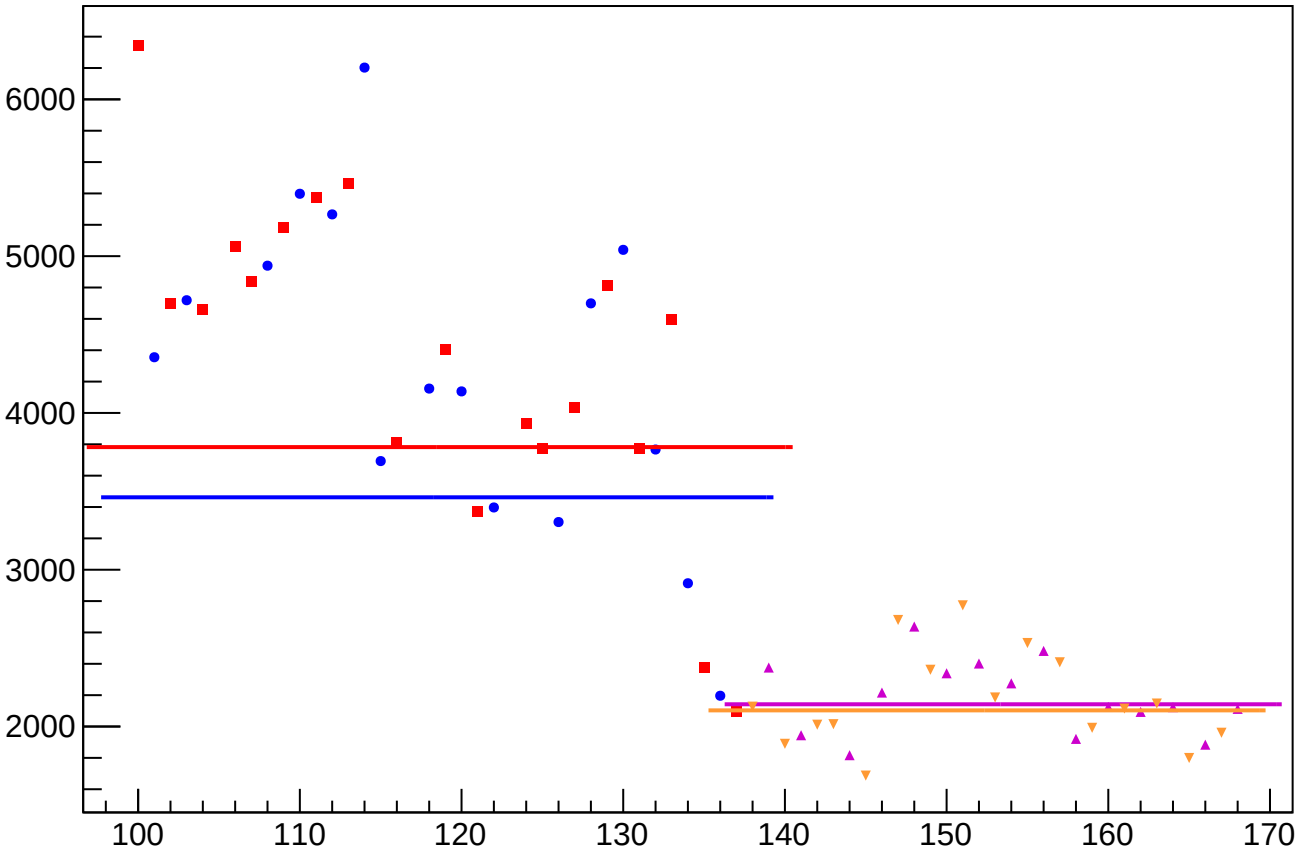
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 278.457+/-0.045 χ^2/NDF:1034900.7/30

Out: 279.733+/-0.045 χ^2/NDF:1198763.7/34

All: 279.098+/-0.032 χ^2/NDF: 2234067.2/65


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1846.227+/-598.959 χ²/NDF:29.6/15
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -563.612+/-612.962 χ²/NDF:22.3/14
Left: -1219.737+/-428.393 χ²/NDF: 54.2/30
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1011.895+/-558.394 χ²/NDF:41.6/30
Out: -1431.832+/-553.324 χ²/NDF:46.9/34
All: -1223.778+/-393.039 χ²/NDF: 88.7/65



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2103.006+/-0.424 χ^2/NDF:442401.5/15

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2141.916+/-0.433 χ^2/NDF:268065.1/14

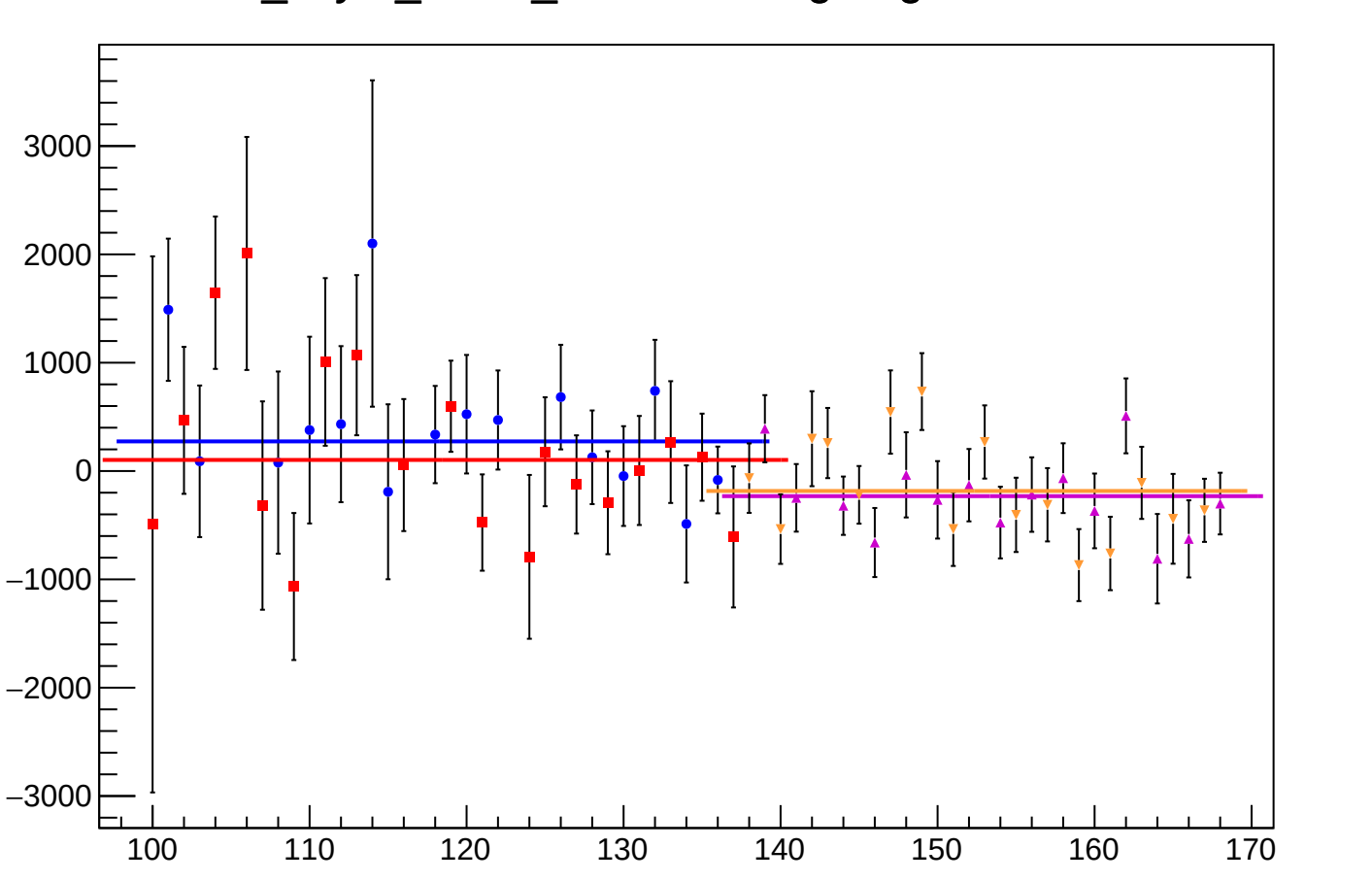
Left: 2122.011+/-0.303 χ^2/NDF: 714589.1/30

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

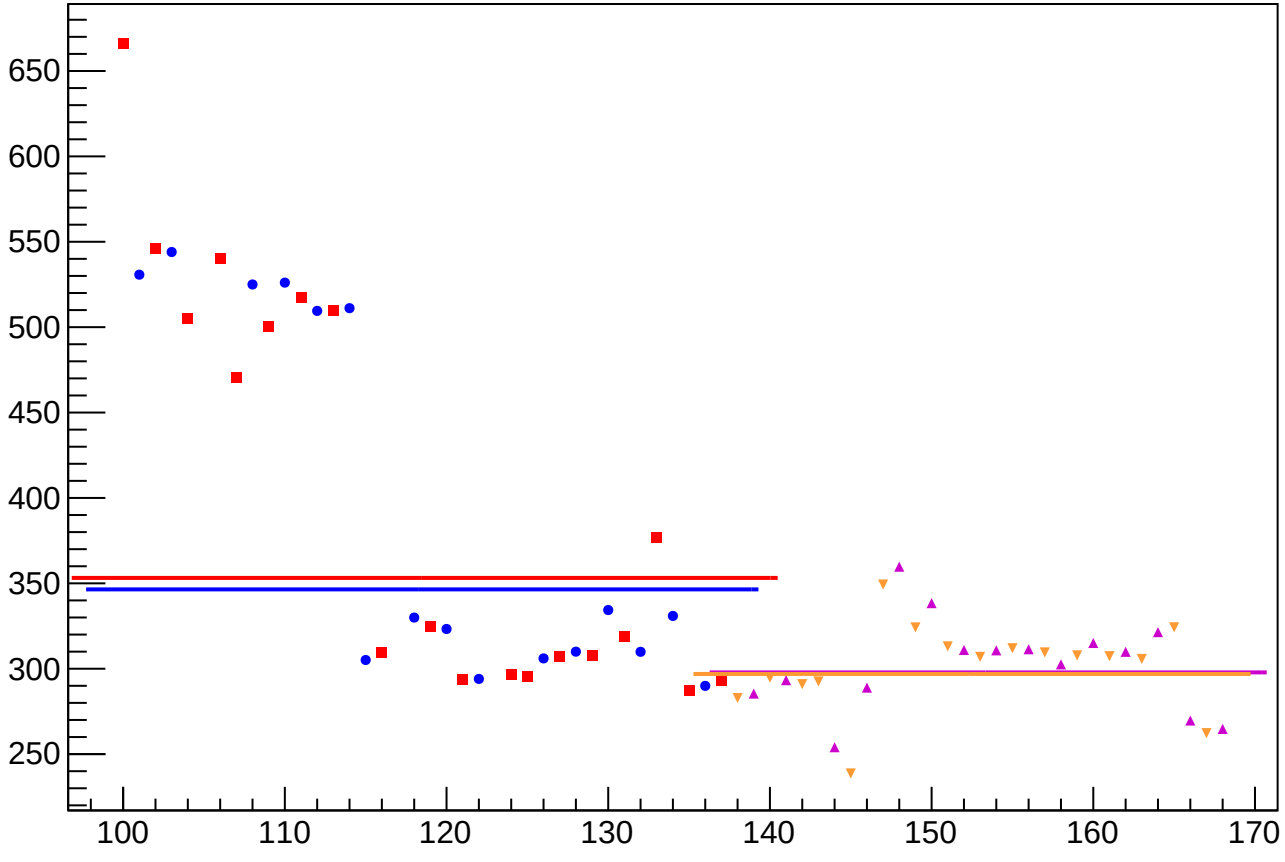
In: 2366.480+/-0.395 χ^2/NDF:3155573.9/30

Out: 2349.133+/-0.391 χ^2/NDF:3882779.3/34

All: 2357.727+/-0.278 χ^2/NDF: 7039327.2/65


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -184.065+/-83.939 χ²/NDF:26.1/15
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: -231.937+/-85.239 χ²/NDF:15.1/14
Left: -207.633+/-59.808 χ²/NDF: 41.3/30
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: -84.025+/-71.692 χ²/NDF:36.8/30
Out: -103.003+/-71.076 χ²/NDF:50.7/34
All: -93.596+/-50.475 χ²/NDF: 87.5/65

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.936+/-0.059 χ^2/NDF:204730.4/15

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 297.846+/-0.060 χ^2/NDF:196633.7/14

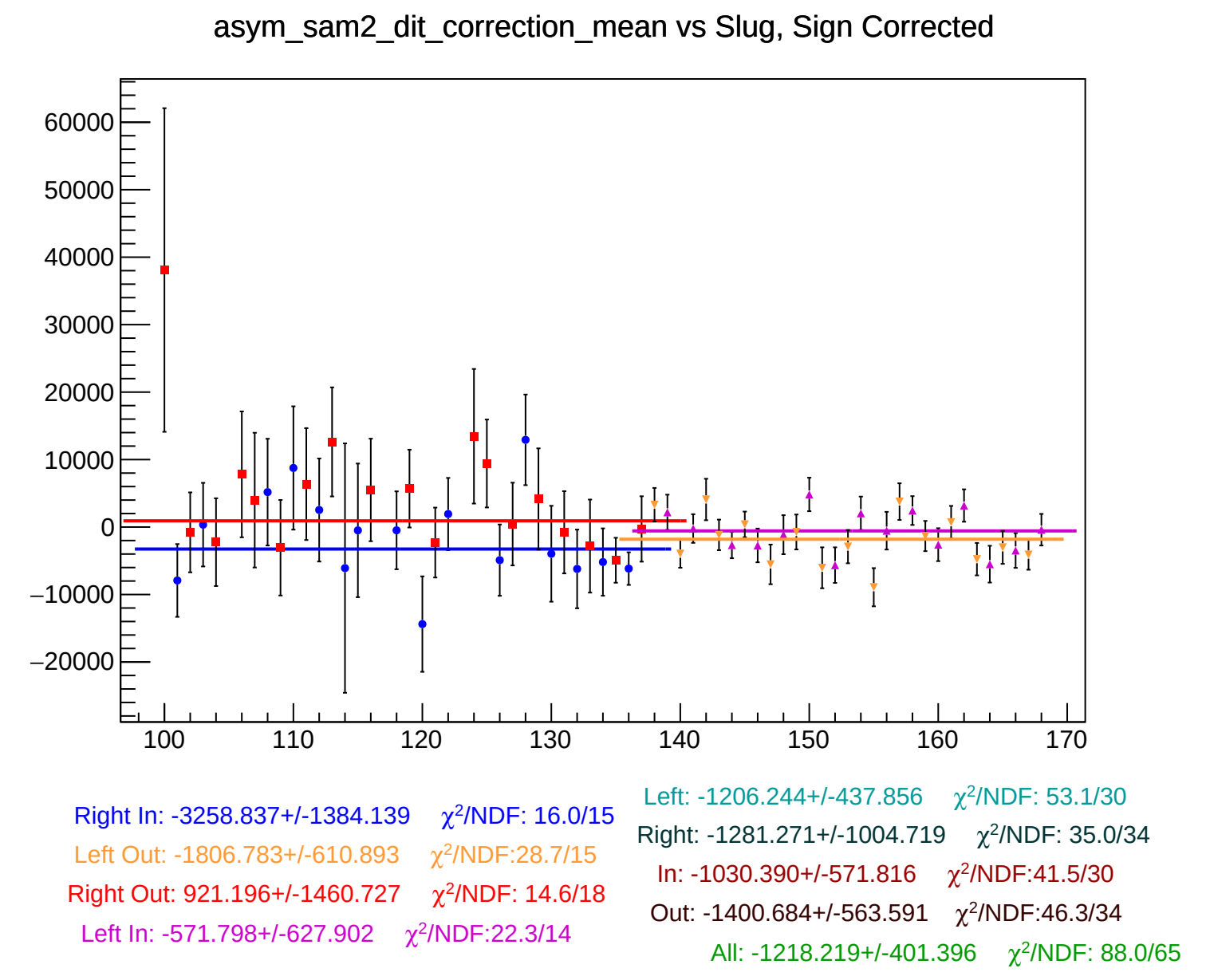
Left: 297.384+/-0.042 χ^2/NDF: 401479.9/30

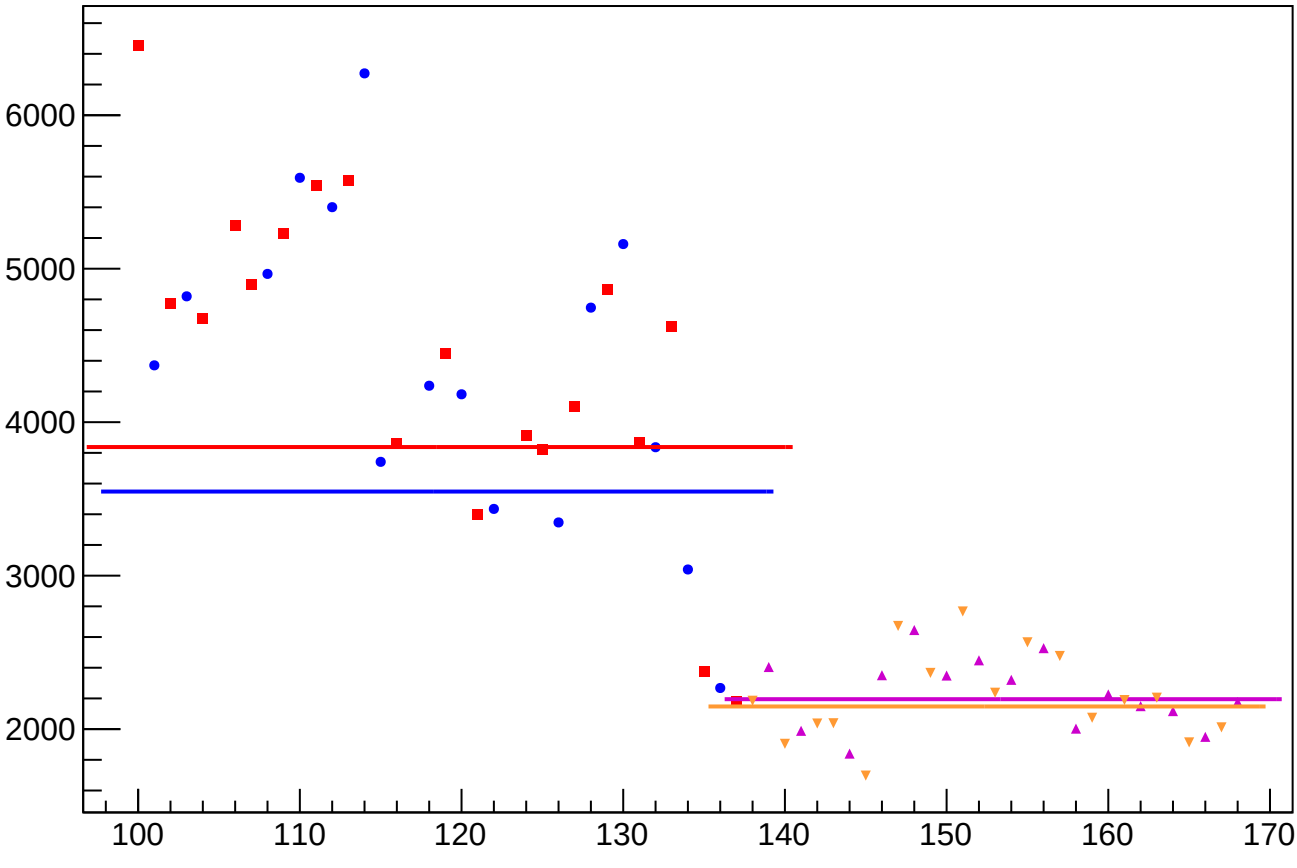
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 312.069+/-0.051 χ^2/NDF:1155701.0/30

Out: 312.853+/-0.050 χ^2/NDF:1325197.1/34

All: 312.464+/-0.036 χ^2/NDF: 2481018.6/65


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
170
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1806.783+/-610.893 χ²/NDF:28.7/15
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: -571.798+/-627.902 χ²/NDF:22.3/14
Left: -1206.244+/-437.856 χ²/NDF: 53.1/30
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -1030.390+/-571.816 χ²/NDF:41.5/30
Out: -1400.684+/-563.591 χ²/NDF:46.3/34
All: -1218.219+/-401.396 χ²/NDF: 88.0/65



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2147.610+/-0.432 χ^2/NDF:414078.5/15

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2195.106+/-0.444 χ^2/NDF:250737.2/14

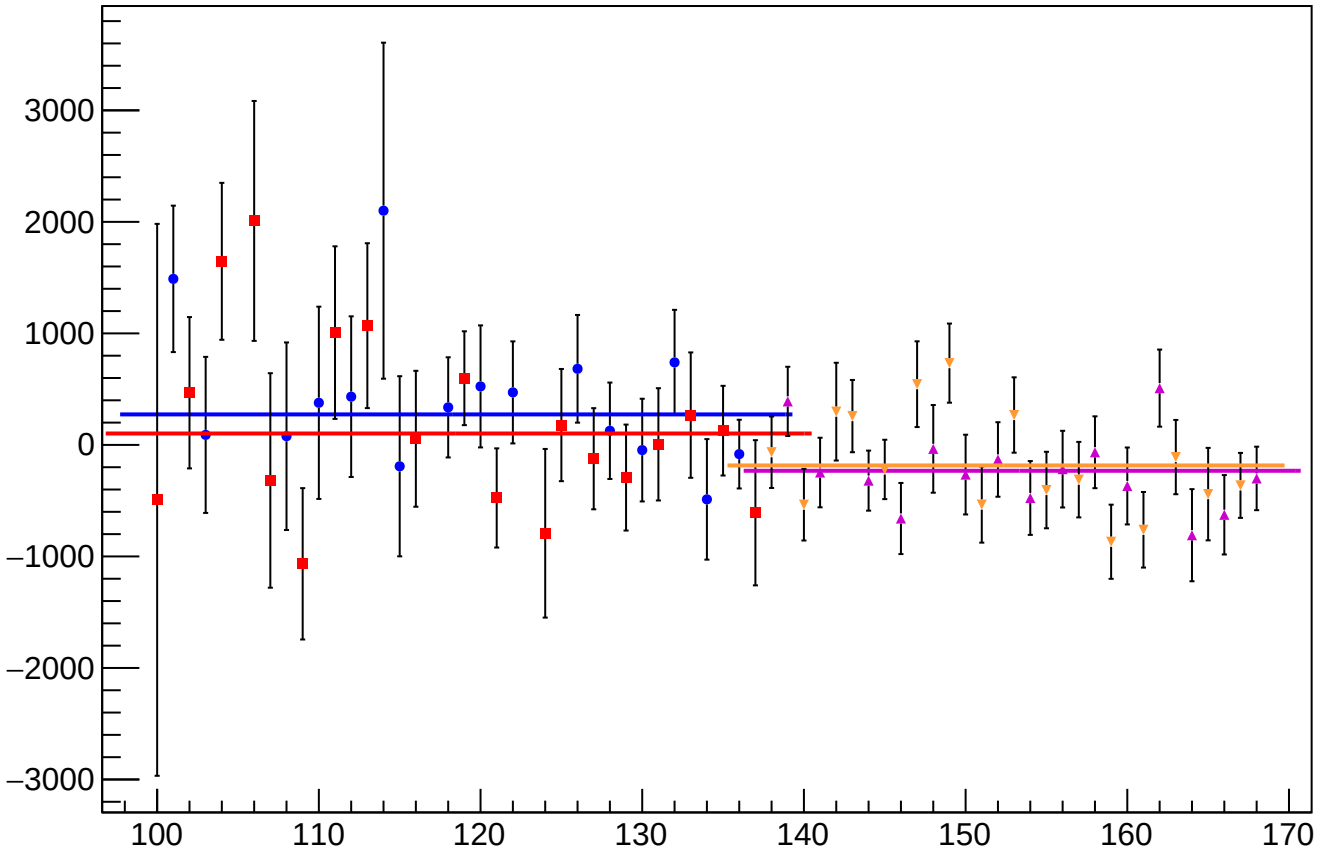
Left: 2170.706+/-0.310 χ^2/NDF: 670694.7/30

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2425.997+/-0.404 χ^2/NDF:3093775.1/30

Out: 2399.244+/-0.399 χ^2/NDF:3849459.5/34

All: 2412.427+/-0.284 χ^2/NDF: 6945455.3/65



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -184.067+/-83.939 χ^2/NDF:26.1/15

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -231.942+/-85.239 χ^2/NDF:15.1/14

Left: -207.637+/-59.808 χ^2/NDF: 41.3/30

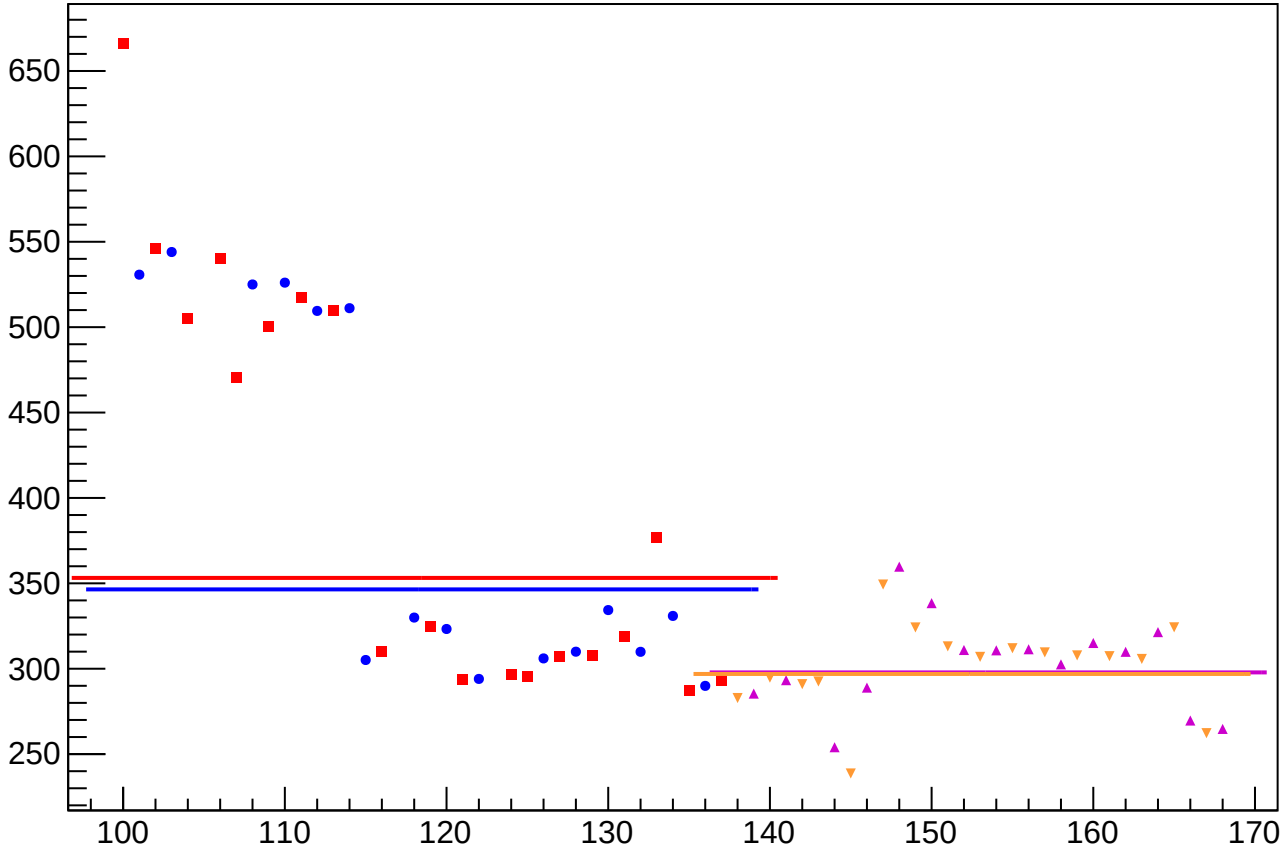
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -84.026+/-71.692 χ^2/NDF:36.8/30

Out: -103.004+/-71.076 χ^2/NDF:50.7/34

All: -93.597+/-50.475 χ^2/NDF: 87.5/65

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.936+/-0.059 χ^2/NDF:204735.6/15

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 297.846+/-0.060 χ^2/NDF:196636.8/14

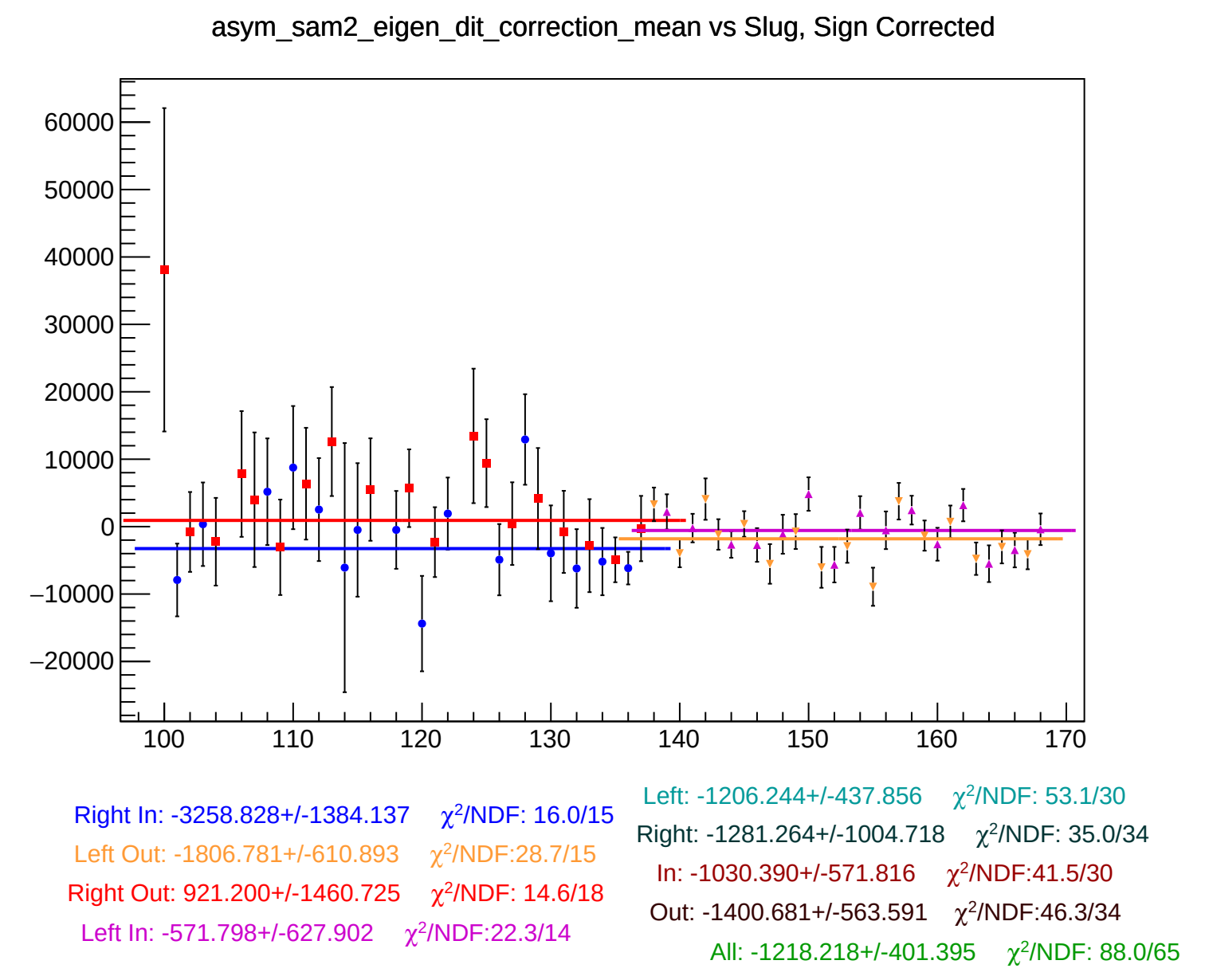
Left: 297.384+/-0.042 χ^2/NDF: 401488.1/30

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 312.068+/-0.051 χ^2/NDF:1155681.7/30

Out: 312.853+/-0.050 χ^2/NDF:1325181.1/34

All: 312.464+/-0.036 χ^2/NDF: 2480983.5/65


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
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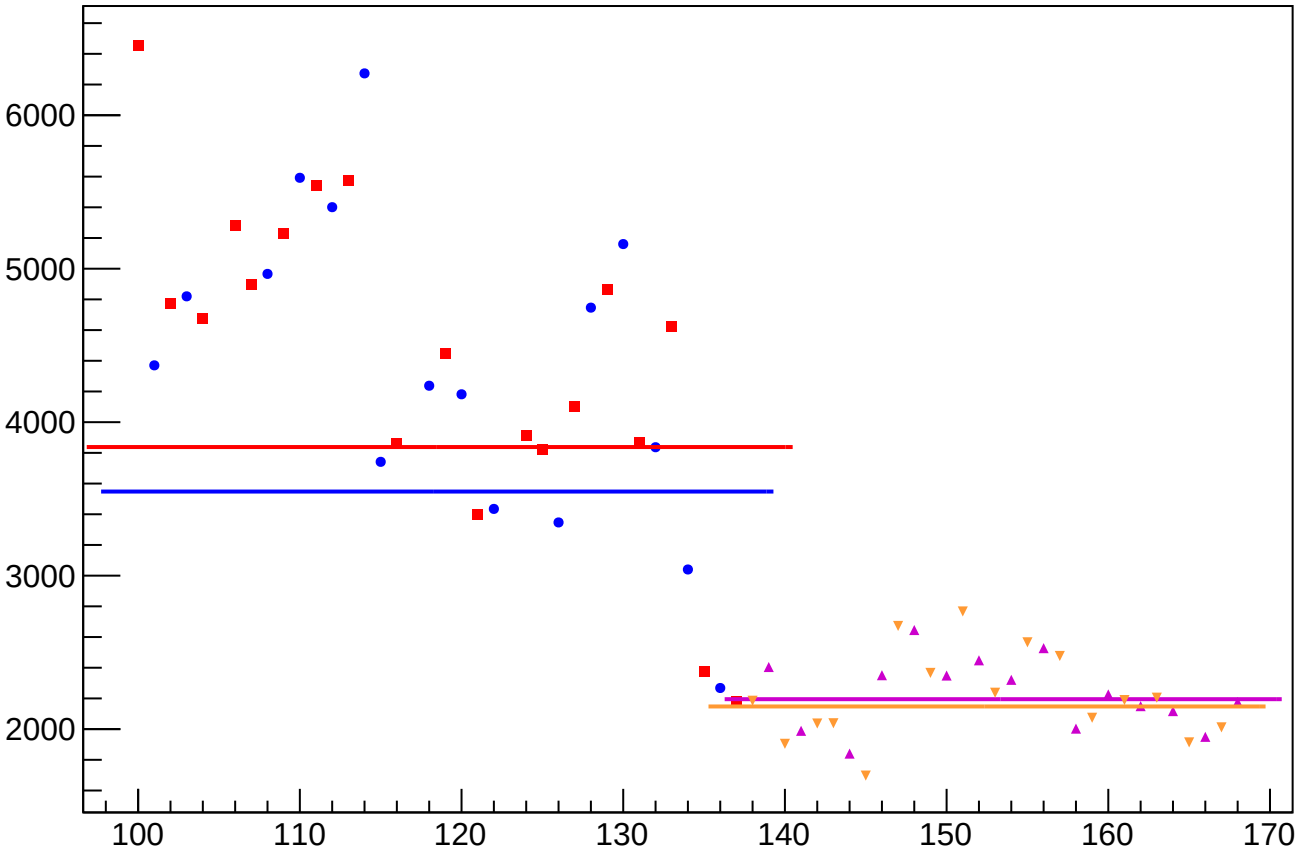
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1806.781+/-610.893 χ²/NDF:28.7/15
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -571.798+/-627.902 χ²/NDF:22.3/14
Left: -1206.244+/-437.856 χ²/NDF: 53.1/30
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1030.390+/-571.816 χ²/NDF:41.5/30
Out: -1400.681+/-563.591 χ²/NDF:46.3/34
All: -1218.218+/-401.395 χ²/NDF: 88.0/65



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2147.609+/-0.432 χ^2/NDF:414084.9/15

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2195.106+/-0.444 χ^2/NDF:250738.7/14

Left: 2170.705+/-0.310 χ^2/NDF: 670702.7/30

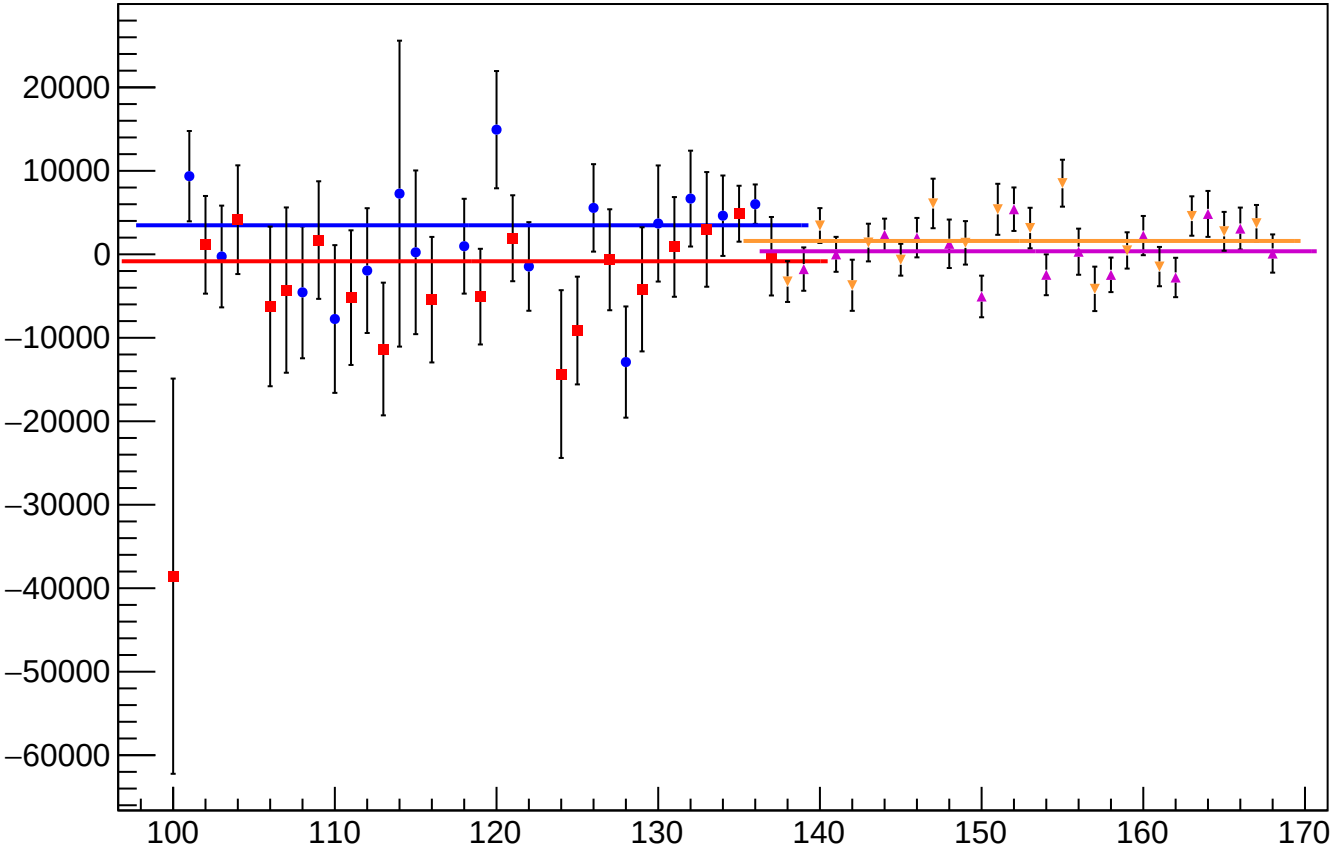
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2425.997+/-0.404 χ^2/NDF:3093759.2/30

Out: 2399.243+/-0.399 χ^2/NDF:3849451.6/34

All: 2412.426+/-0.284 χ^2/NDF: 6945431.5/65

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1600.586+/-603.826 χ^2/NDF:28.8/15

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 365.410+/-617.832 χ^2/NDF:20.2/14

Left: 997.157+/-431.836 χ^2/NDF: 51.1/30

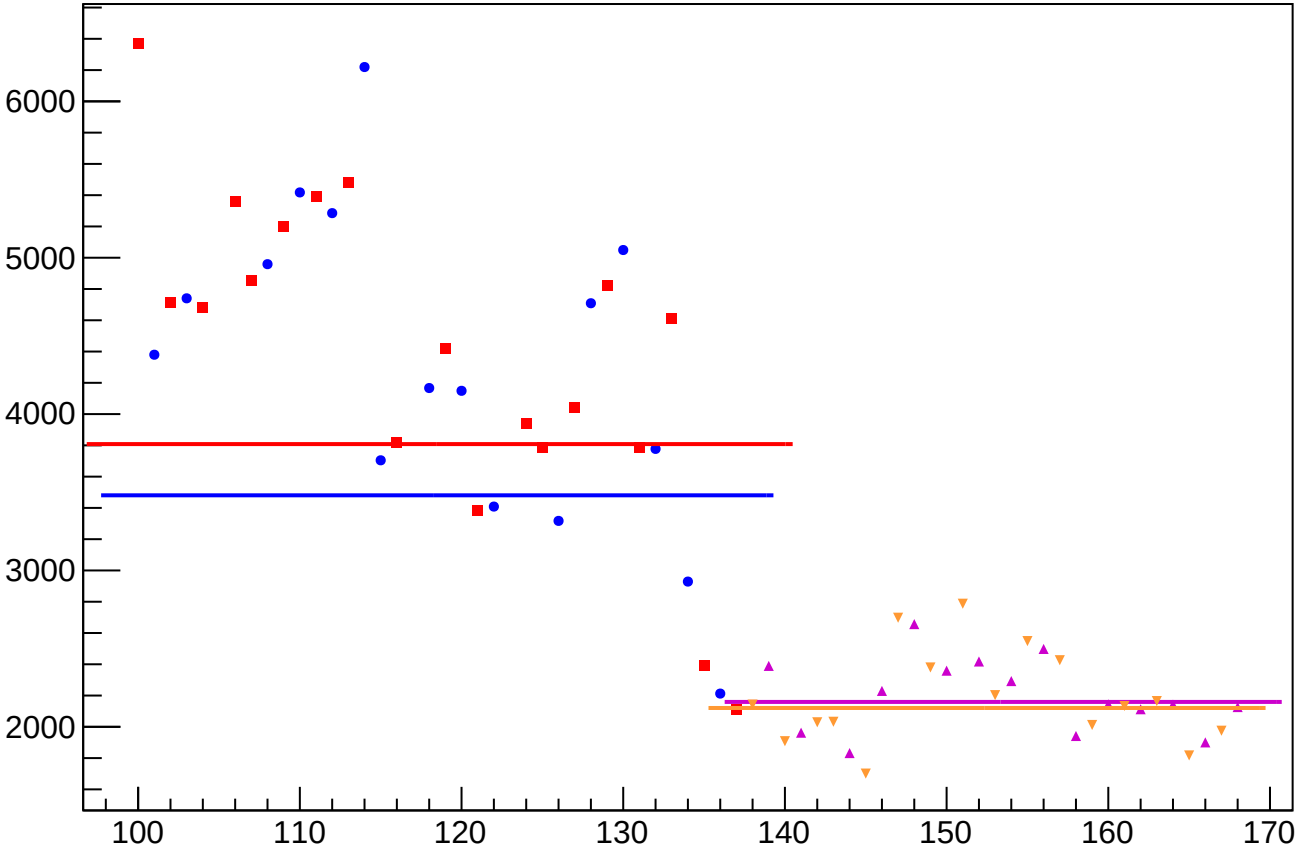
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 897.720+/-562.533 χ^2/NDF:40.8/30

Out: 1240.847+/-557.404 χ^2/NDF:45.3/34

All: 1070.855+/-395.945 χ^2/NDF: 86.3/65

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2120.514+/-0.427 χ^2/NDF:436449.3/15

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2159.232+/-0.437 χ^2/NDF:263759.4/14

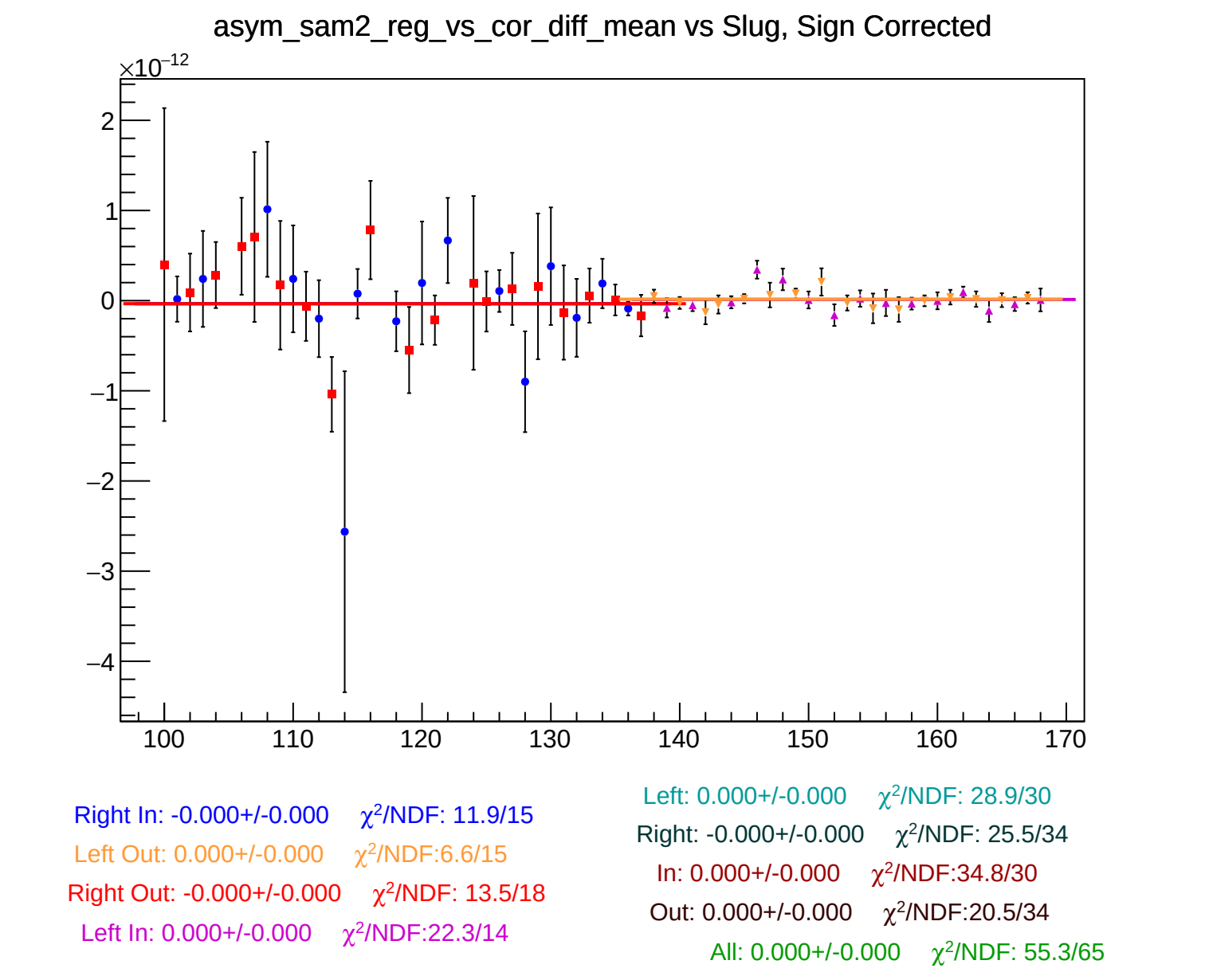
Left: 2139.429+/-0.305 χ^2/NDF: 704226.0/30

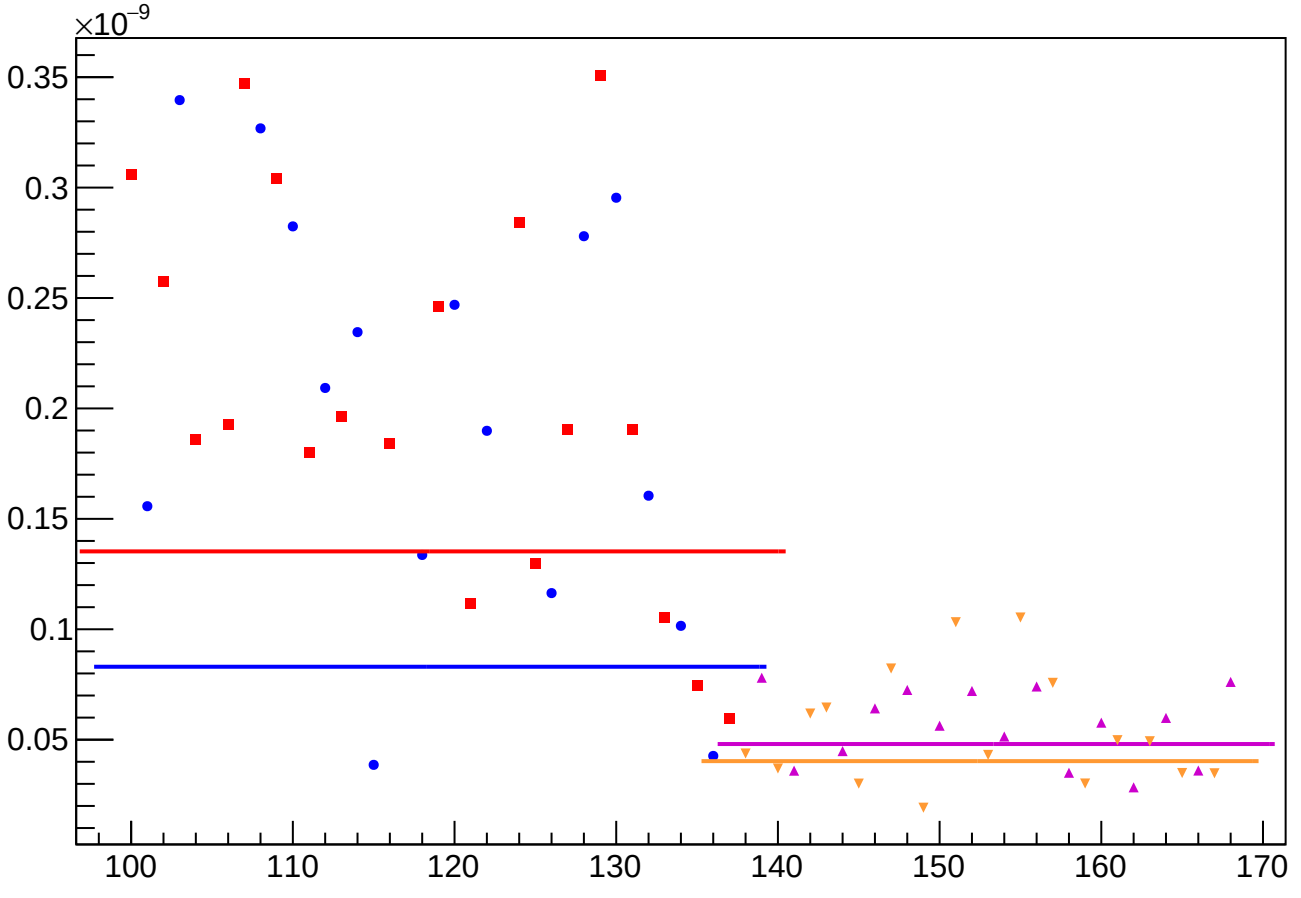
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2385.176+/-0.398 χ^2/NDF:3124634.1/30

Out: 2370.028+/-0.394 χ^2/NDF:3893842.5/34

All: 2377.532+/-0.280 χ^2/NDF: 7019208.4/65


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:22.3/14
Left: 0.000+/-0.000 χ²/NDF: 28.9/30
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:34.8/30
Out: 0.000+/-0.000 χ²/NDF:20.5/34
All: 0.000+/-0.000 χ²/NDF: 55.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1656948.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:999929.6/14

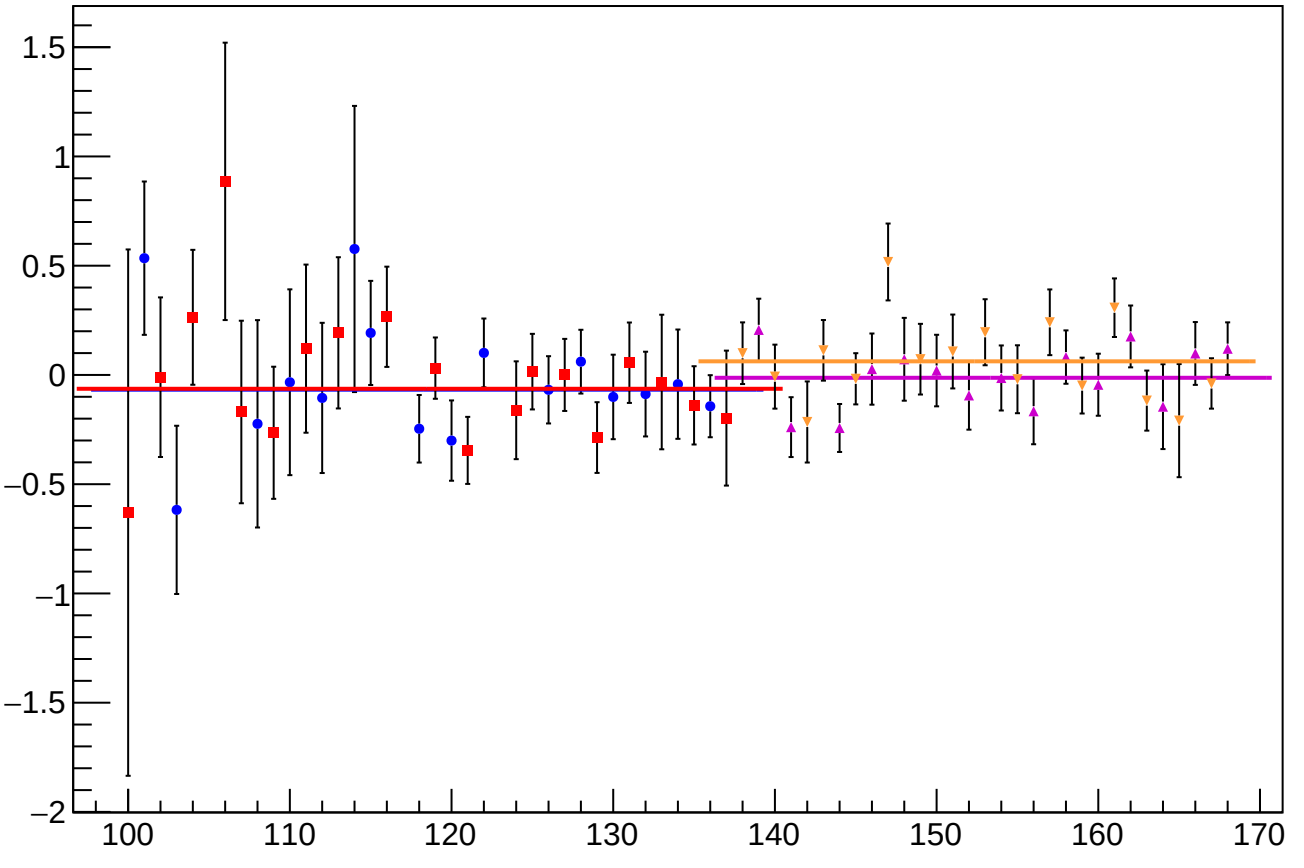
Left: 0.000+/-0.000 χ^2/NDF: 2790982.4/30

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4288098.7/30

Out: 0.000+/-0.000 χ^2/NDF:5437004.3/34

All: 0.000+/-0.000 χ^2/NDF: 9851479.1/65



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.013+/-0.037 χ^2/NDF:15.8/14

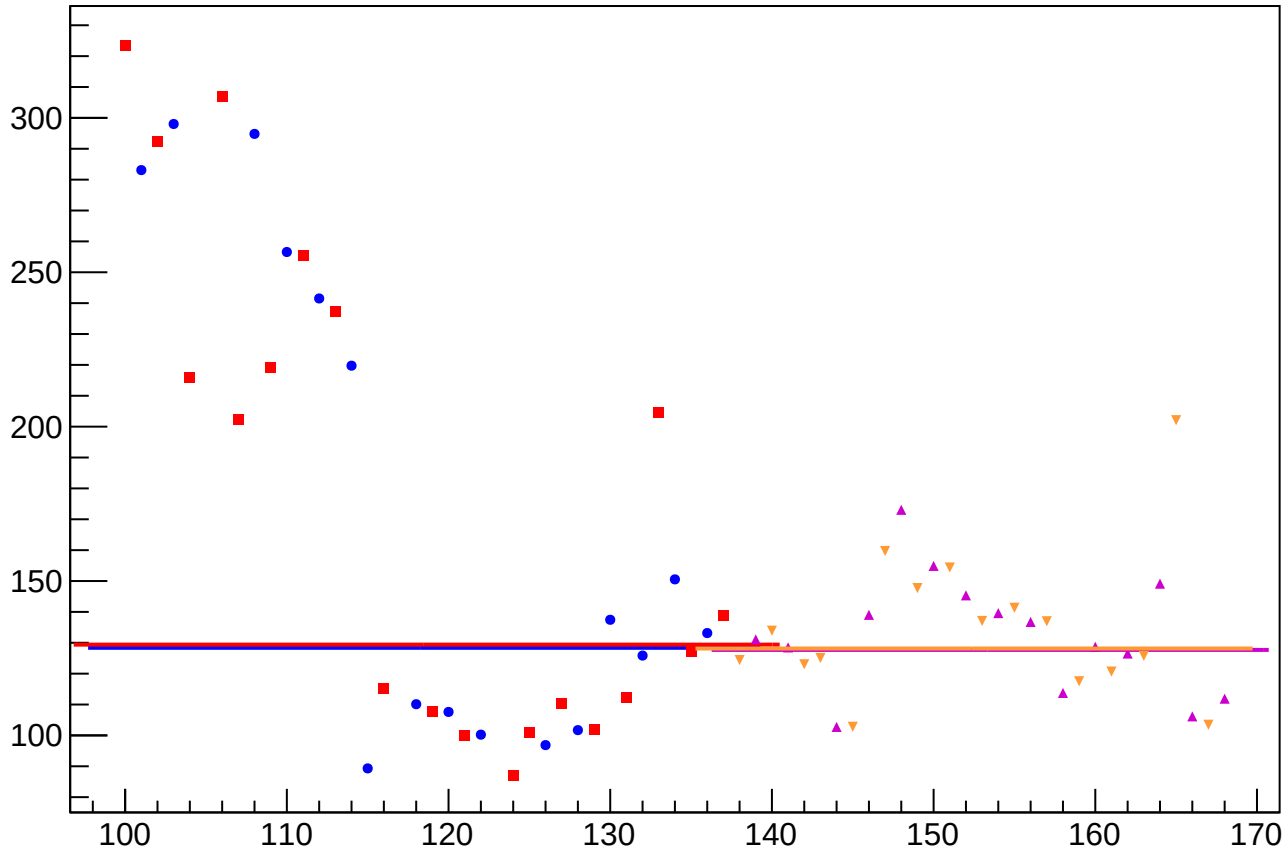
Left: 0.025+/-0.026 χ^2/NDF: 37.9/30

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.031+/-0.030 χ^2/NDF:28.9/30

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.005+/-0.021 χ^2/NDF: 68.4/65



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.693+/-0.026 χ^2/NDF:459173.2/14

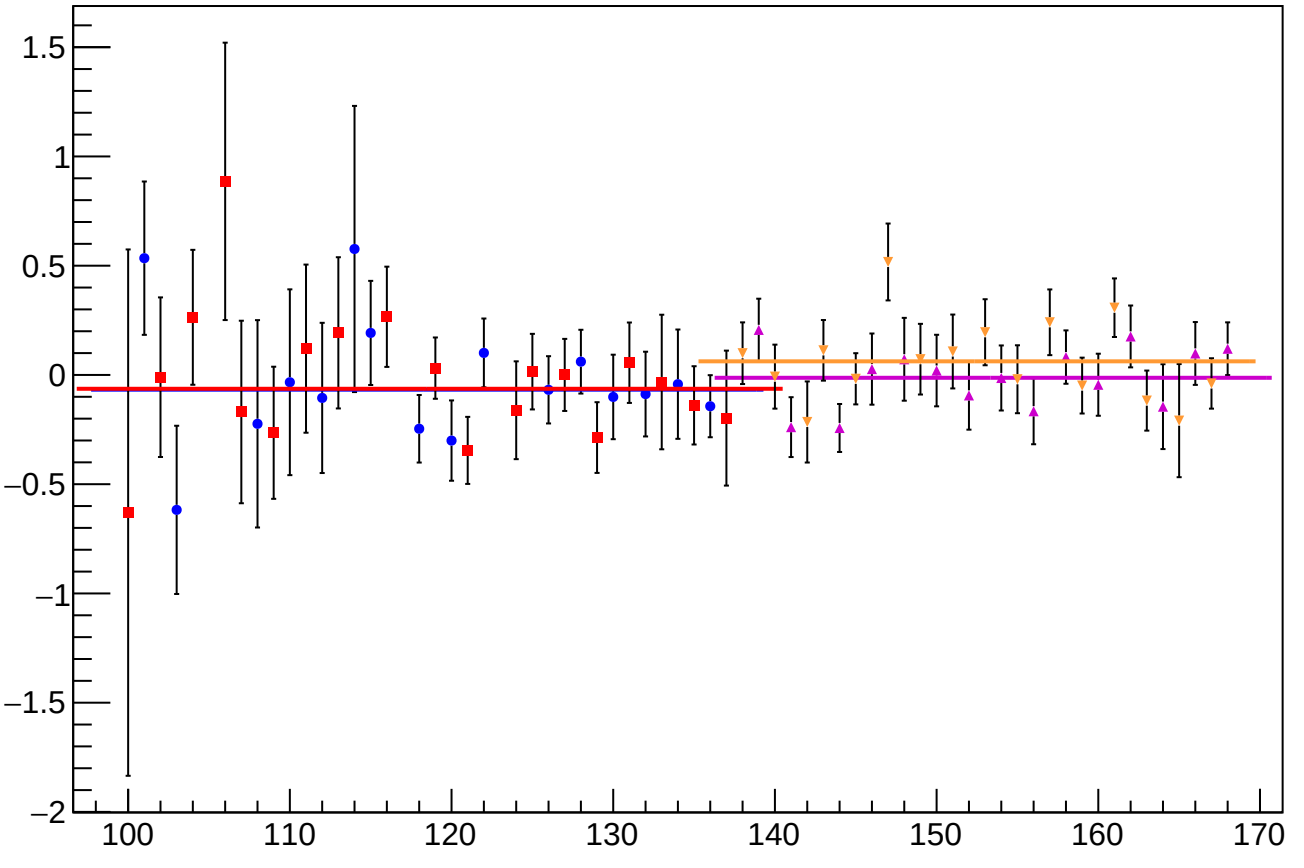
Left: 127.920+/-0.018 χ^2/NDF: 1005588.9/30

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.926+/-0.021 χ^2/NDF:2264484.3/30

Out: 128.563+/-0.021 χ^2/NDF:2435327.9/34

All: 128.247+/-0.015 χ^2/NDF: 4700262.7/65



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.013+/-0.037 χ^2/NDF:15.8/14

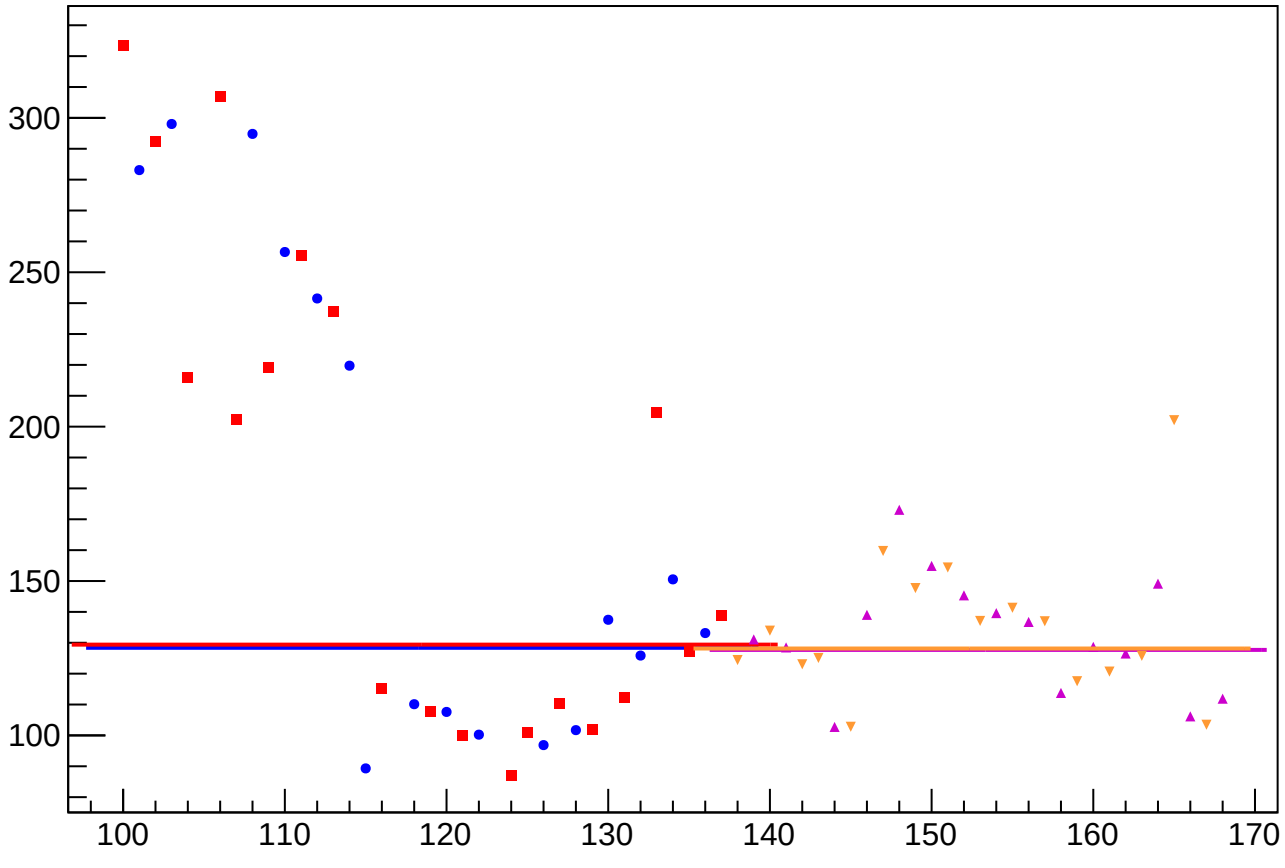
Left: 0.025+/-0.026 χ^2/NDF: 37.9/30

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.031+/-0.030 χ^2/NDF:28.9/30

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.005+/-0.021 χ^2/NDF: 68.4/65



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.142+/-0.026 χ^2/NDF:546267.5/15

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.693+/-0.026 χ^2/NDF:459173.2/14

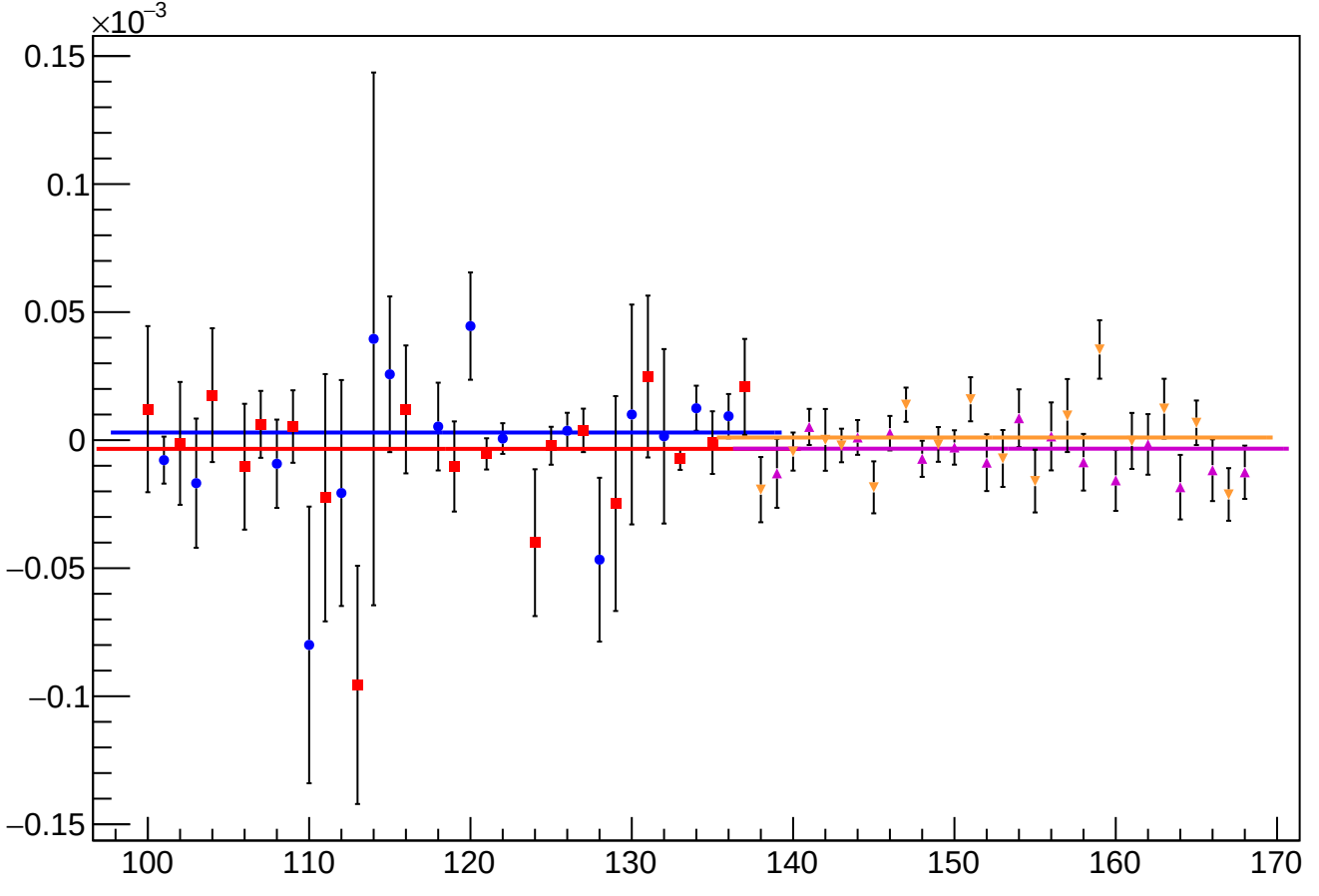
Left: 127.920+/-0.018 χ^2/NDF: 1005588.9/30

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.926+/-0.021 χ^2/NDF:2264484.3/30

Out: 128.563+/-0.021 χ^2/NDF:2435327.9/34

All: 128.247+/-0.015 χ^2/NDF: 4700262.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/14

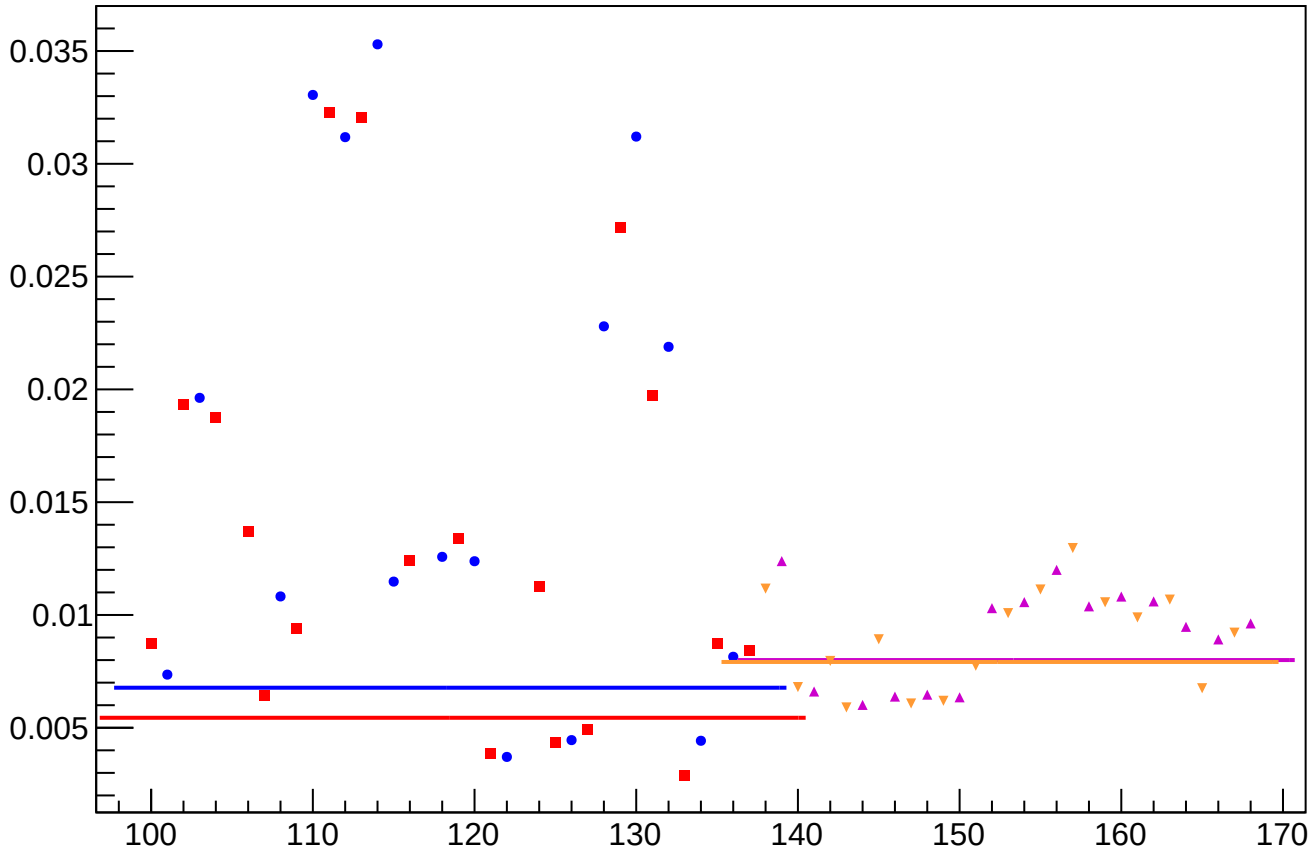
Left: -0.000+/-0.000 χ^2/NDF: 42.6/30

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:25.7/30

Out: -0.000+/-0.000 χ^2/NDF:46.0/34

All: -0.000+/-0.000 χ^2/NDF: 71.7/65



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1482829.6/15

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1552540.7/14

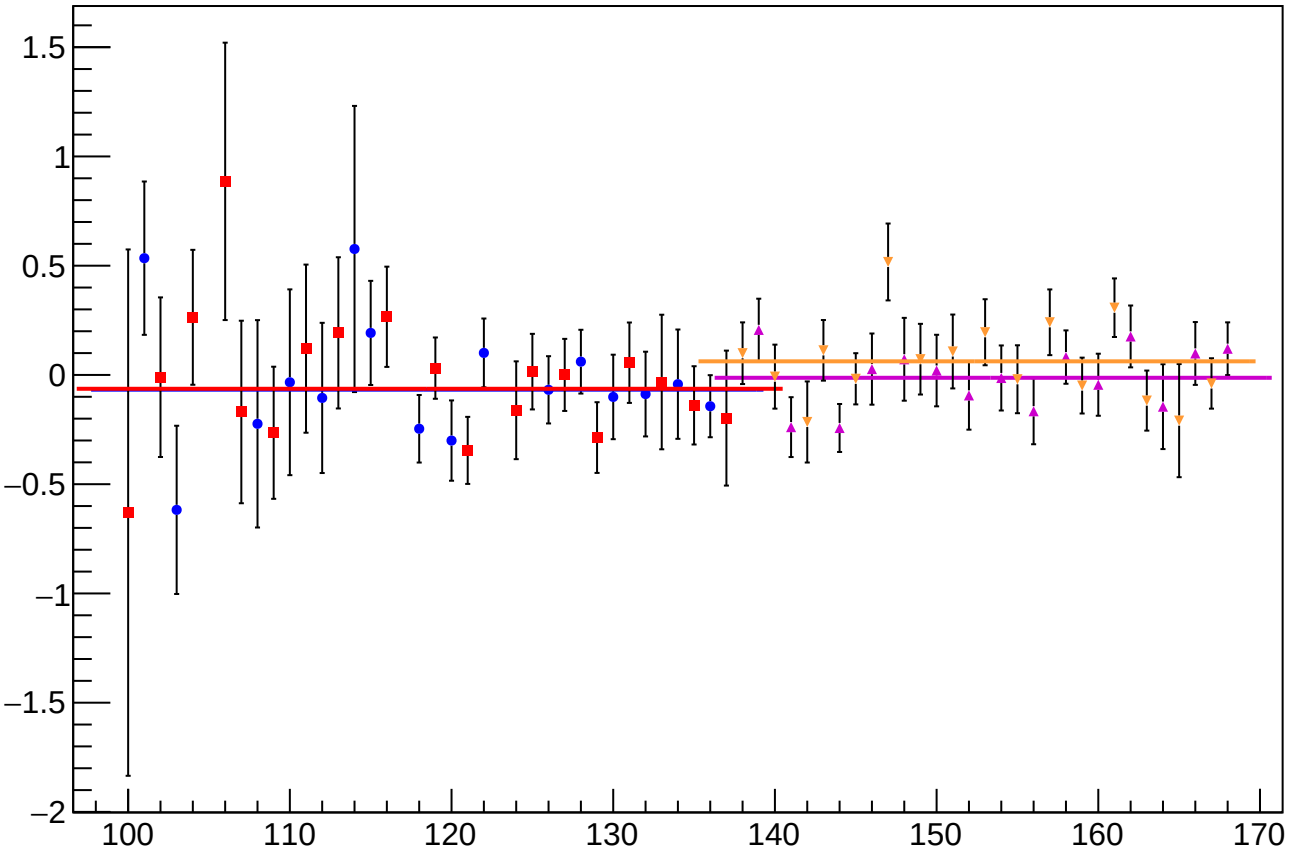
Left: 0.008+/-0.000 χ^2/NDF: 3036665.4/30

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6518928.9/30

Out: 0.007+/-0.000 χ^2/NDF:8069998.0/34

All: 0.007+/-0.000 χ^2/NDF: 14752950.2/65



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.013+/-0.037 χ^2/NDF:15.8/14

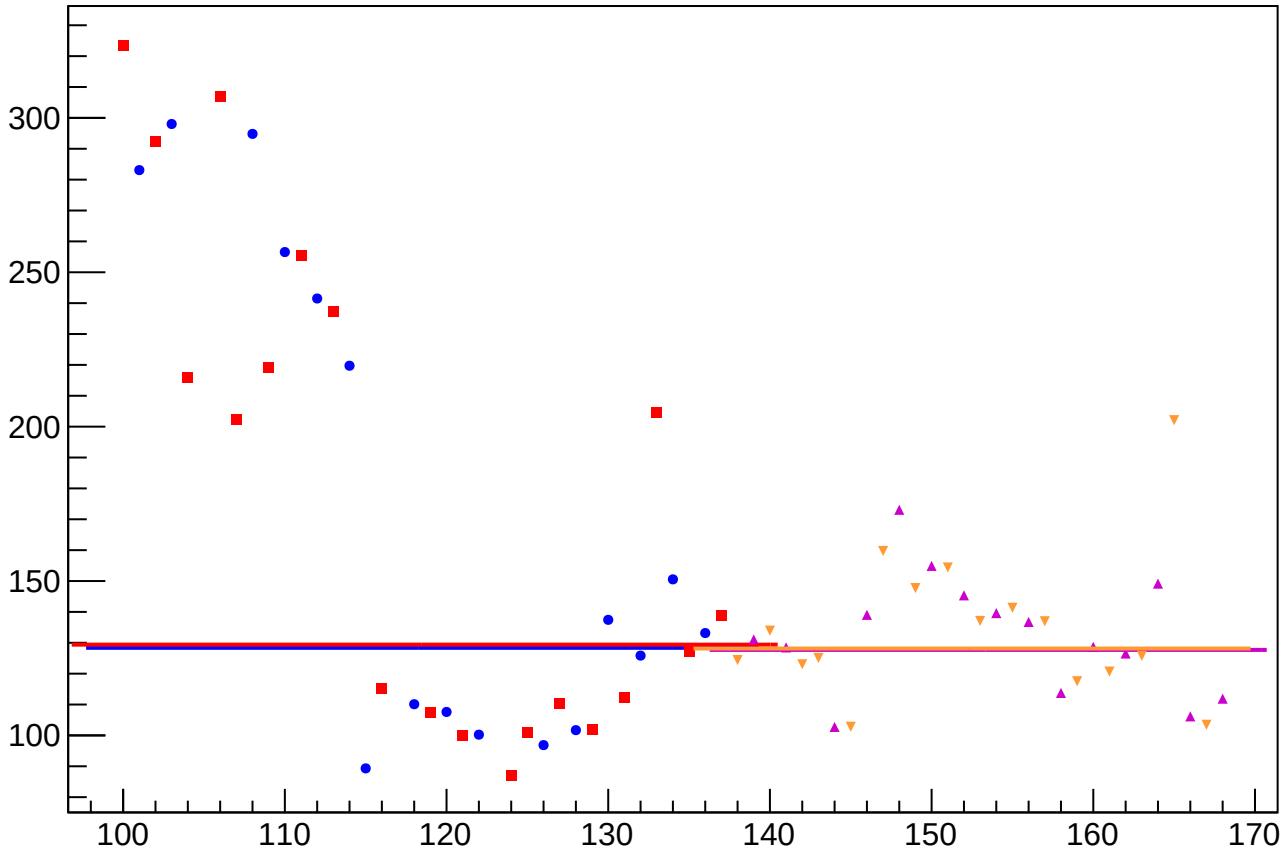
Left: 0.025+/-0.026 χ^2/NDF: 37.9/30

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.031+/-0.030 χ^2/NDF:28.9/30

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.005+/-0.021 χ^2/NDF: 68.4/65



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.693+/-0.026 χ^2/NDF:459209.5/14

Left: 127.920+/-0.018 χ^2/NDF: 1005677.8/30

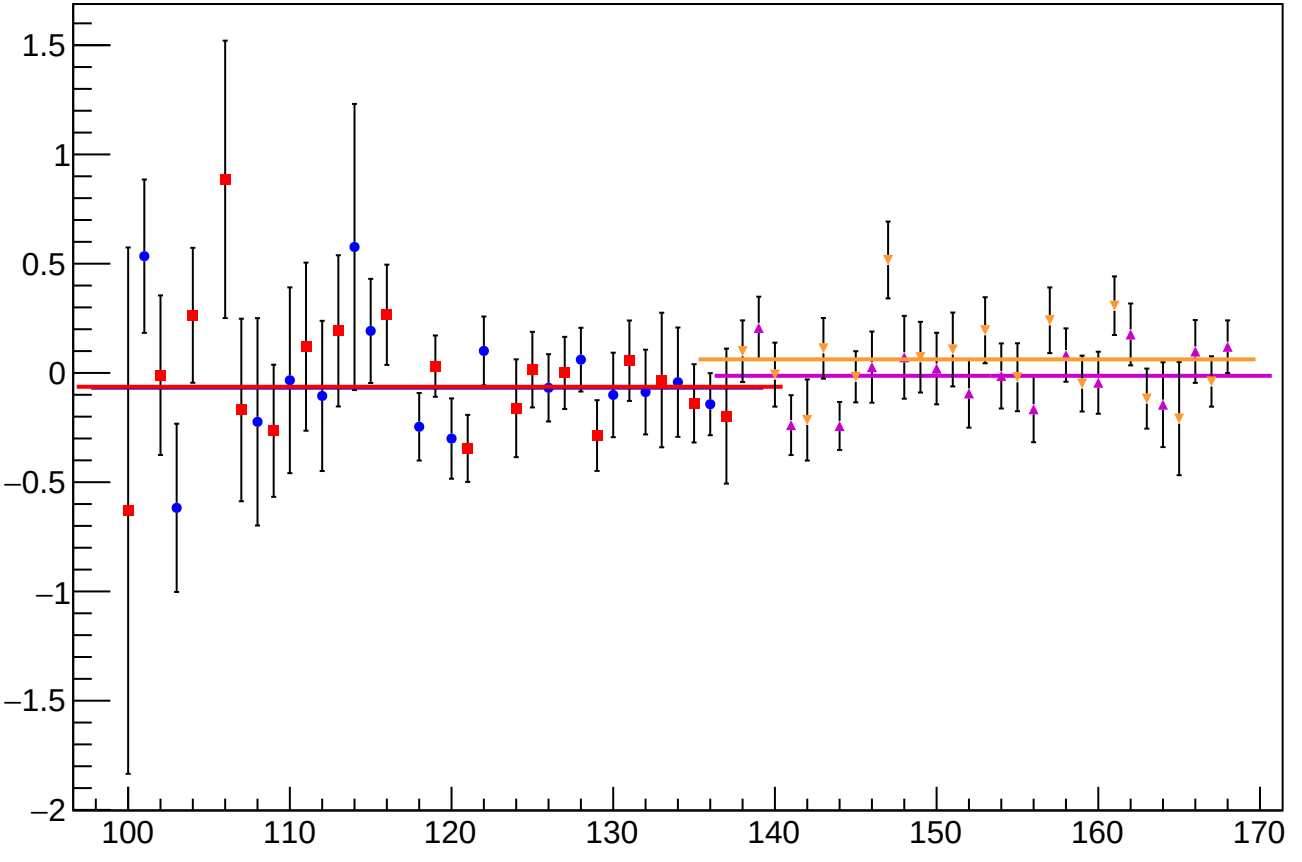
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.925+/-0.021 χ^2/NDF:2264466.9/30

Out: 128.562+/-0.021 χ^2/NDF:2435378.3/34

All: 128.246+/-0.015 χ^2/NDF: 4700295.8/65

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: 0.062+/-0.037 χ^2/NDF:20.0/15

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.013+/-0.037 χ^2/NDF:15.8/14

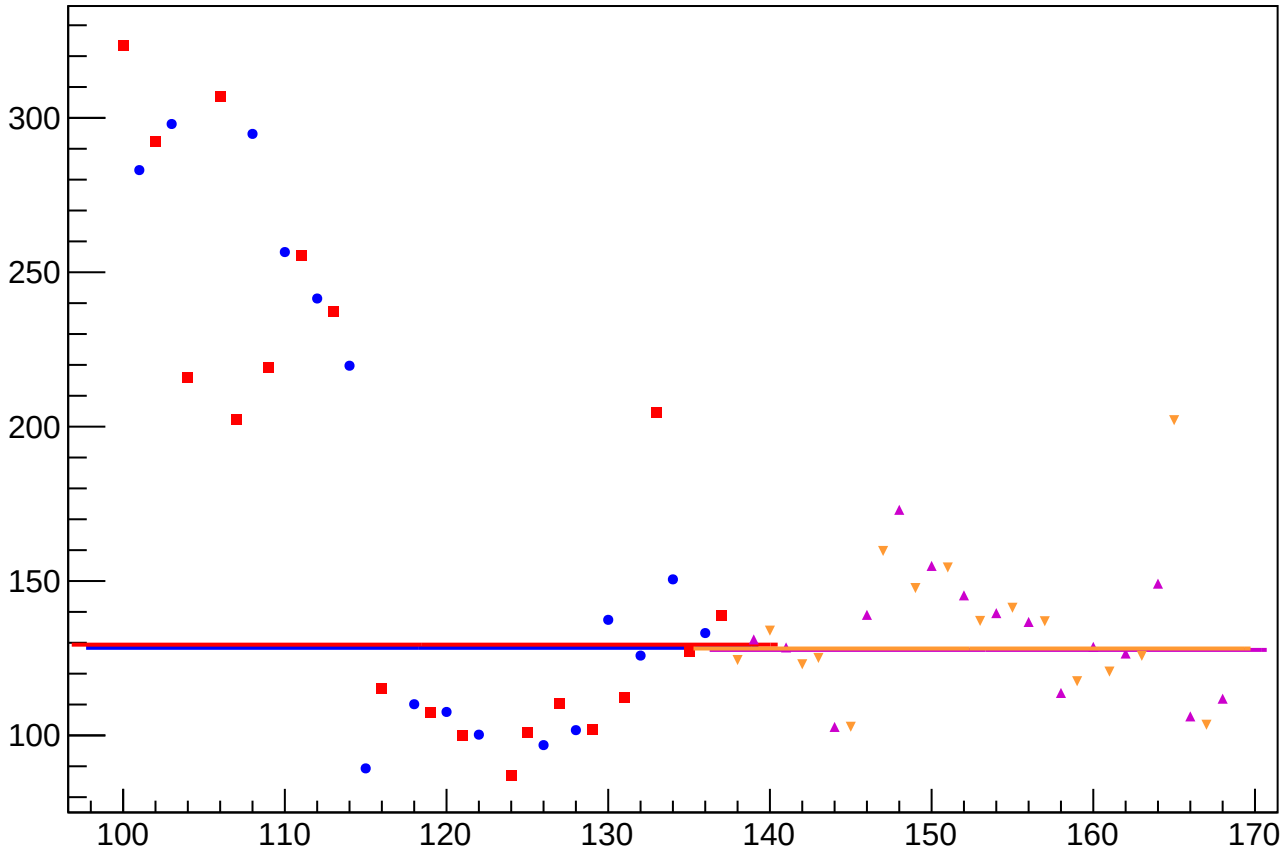
Left: 0.025+/-0.026 χ^2/NDF: 37.9/30

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.031+/-0.030 χ^2/NDF:28.9/30

Out: 0.020+/-0.030 χ^2/NDF:38.0/34

All: -0.005+/-0.021 χ^2/NDF: 68.4/65



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.142+/-0.026 χ^2/NDF:546320.1/15

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.693+/-0.026 χ^2/NDF:459209.5/14

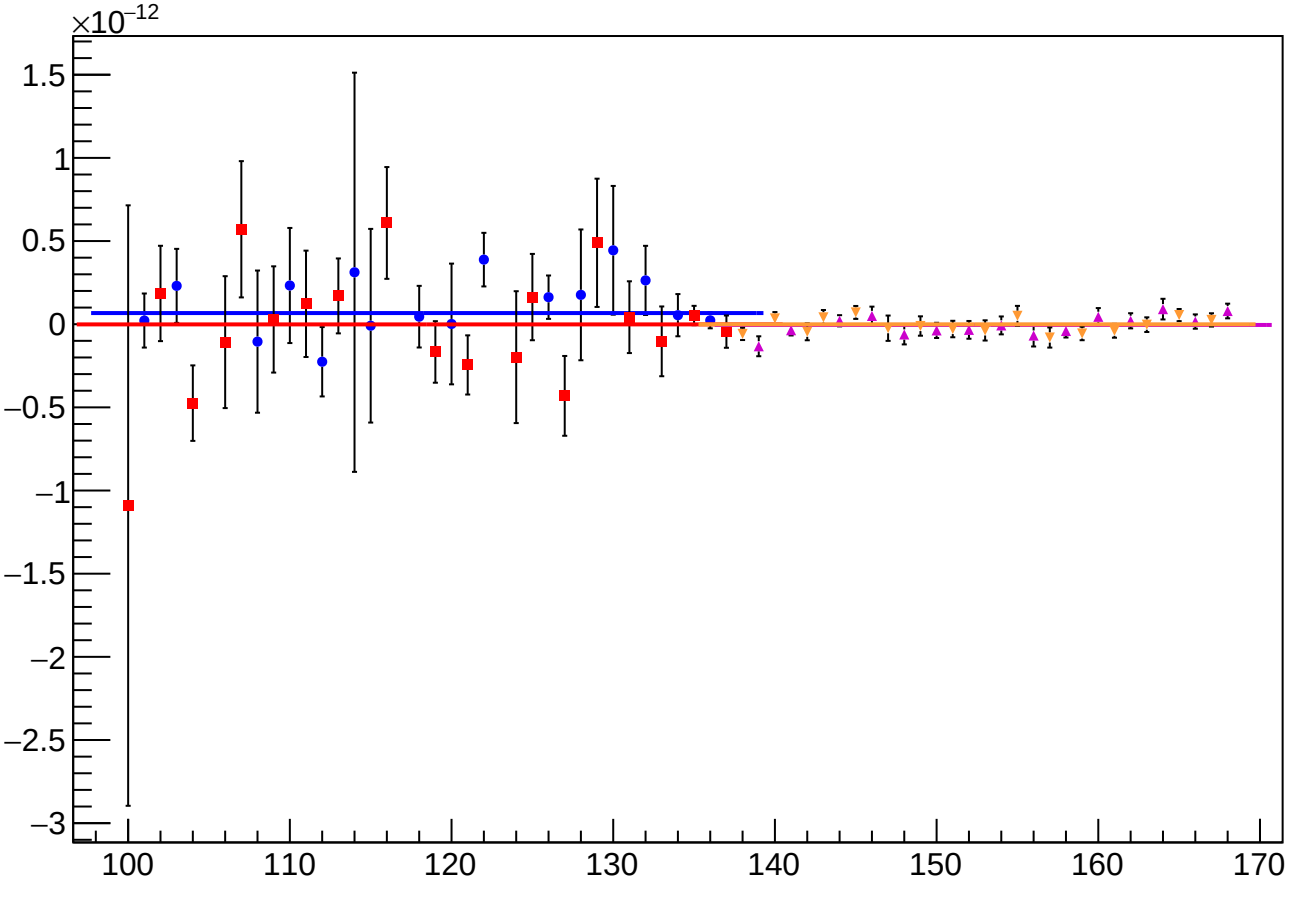
Left: 127.920+/-0.018 χ^2/NDF: 1005677.8/30

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.925+/-0.021 χ^2/NDF:2264466.9/30

Out: 128.562+/-0.021 χ^2/NDF:2435378.3/34

All: 128.246+/-0.015 χ^2/NDF: 4700295.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/14

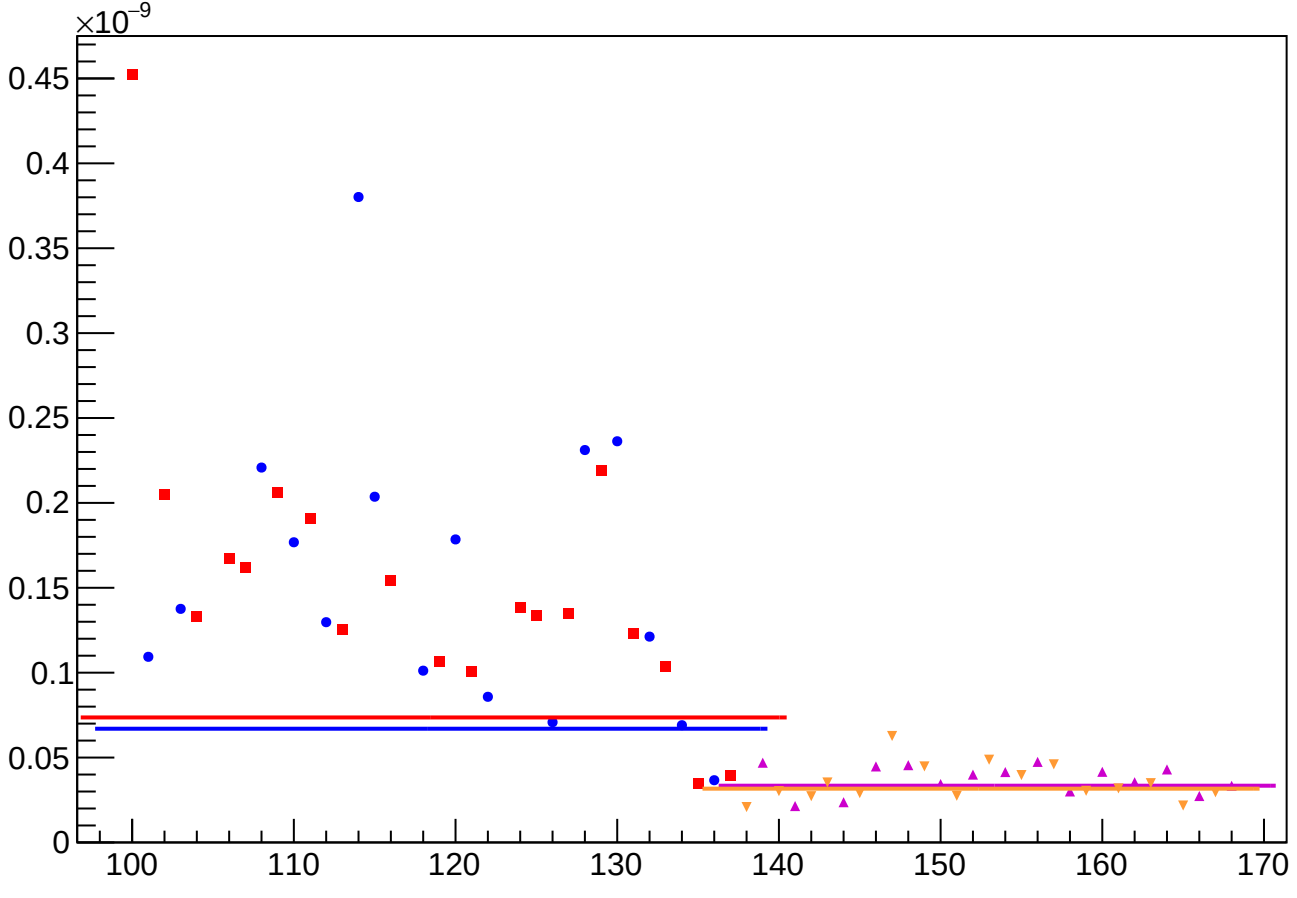
Left: -0.000+/-0.000 χ^2/NDF: 35.1/30

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:31.8/30

Out: -0.000+/-0.000 χ^2/NDF:37.7/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1131819.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1042644.7/14

Left: 0.000+/-0.000 χ^2/NDF: 2196857.1/30

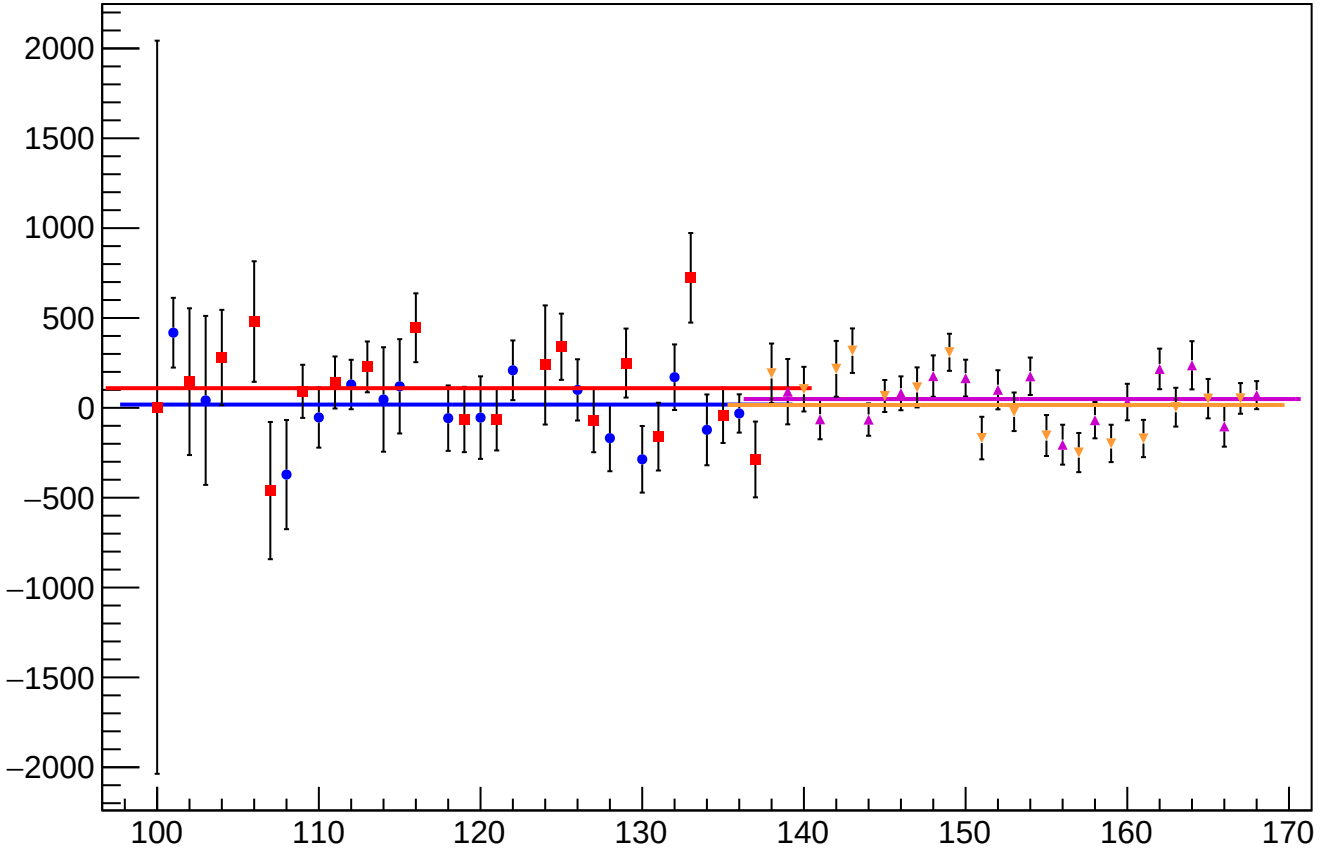
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5779671.9/30

Out: 0.000+/-0.000 χ^2/NDF:6880150.5/34

All: 0.000+/-0.000 χ^2/NDF: 12687329.2/65

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.803+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 49.029+/-27.258 χ^2/NDF:19.7/14

Left: 32.583+/-19.371 χ^2/NDF: 57.3/30

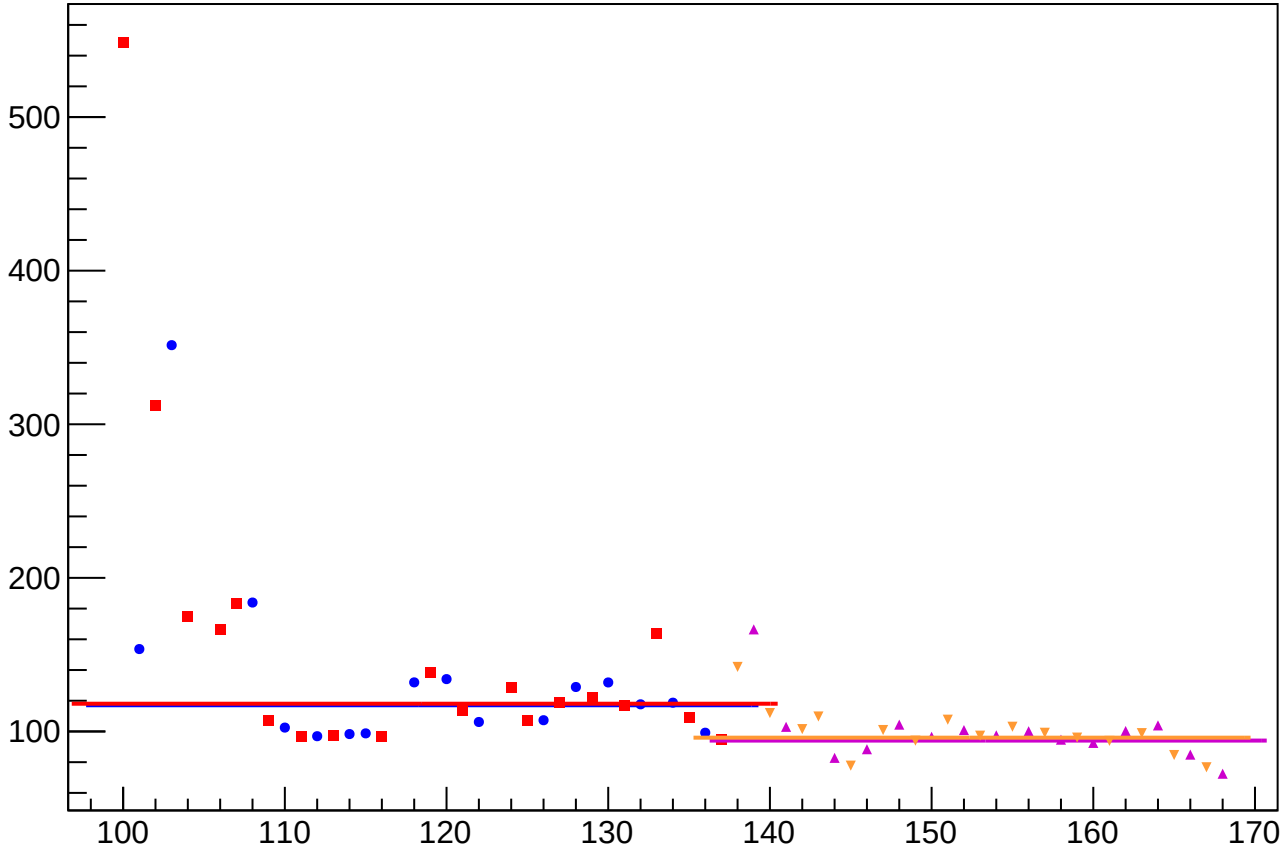
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 40.942+/-23.411 χ^2/NDF:33.9/30

Out: 40.638+/-23.600 χ^2/NDF:65.4/34

All: 40.791+/-16.621 χ^2/NDF: 99.3/65

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.5/15

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

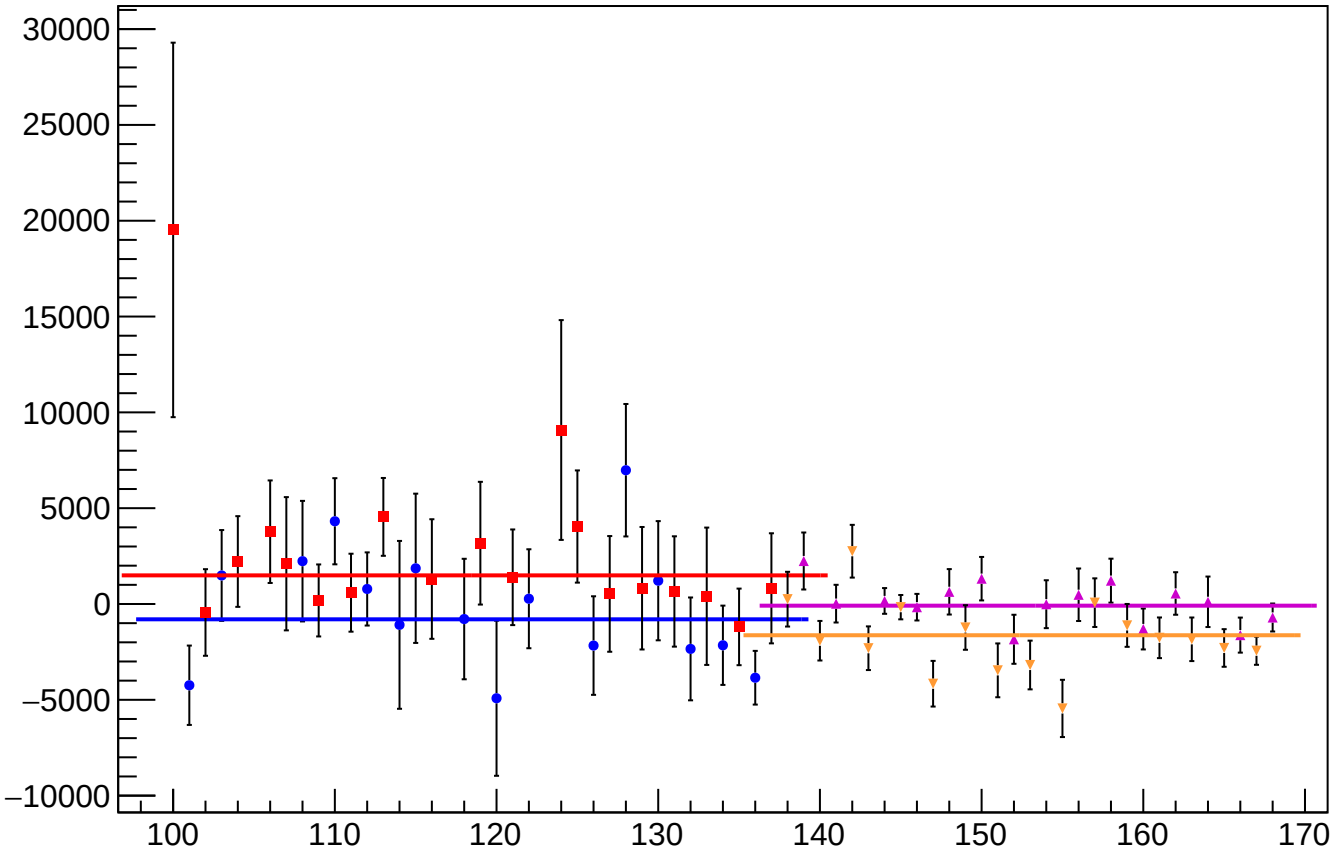
Left: 95.000+/-0.014 χ^2/NDF: 1047965.4/30

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 100.097+/-0.017 χ^2/NDF:1817203.1/30

Out: 101.818+/-0.017 χ^2/NDF:1790587.9/34

All: 100.951+/-0.012 χ^2/NDF: 3613151.6/65



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1630.674+/-265.452 χ^2/NDF:35.7/15

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: -87.352+/-256.834 χ^2/NDF:13.1/14

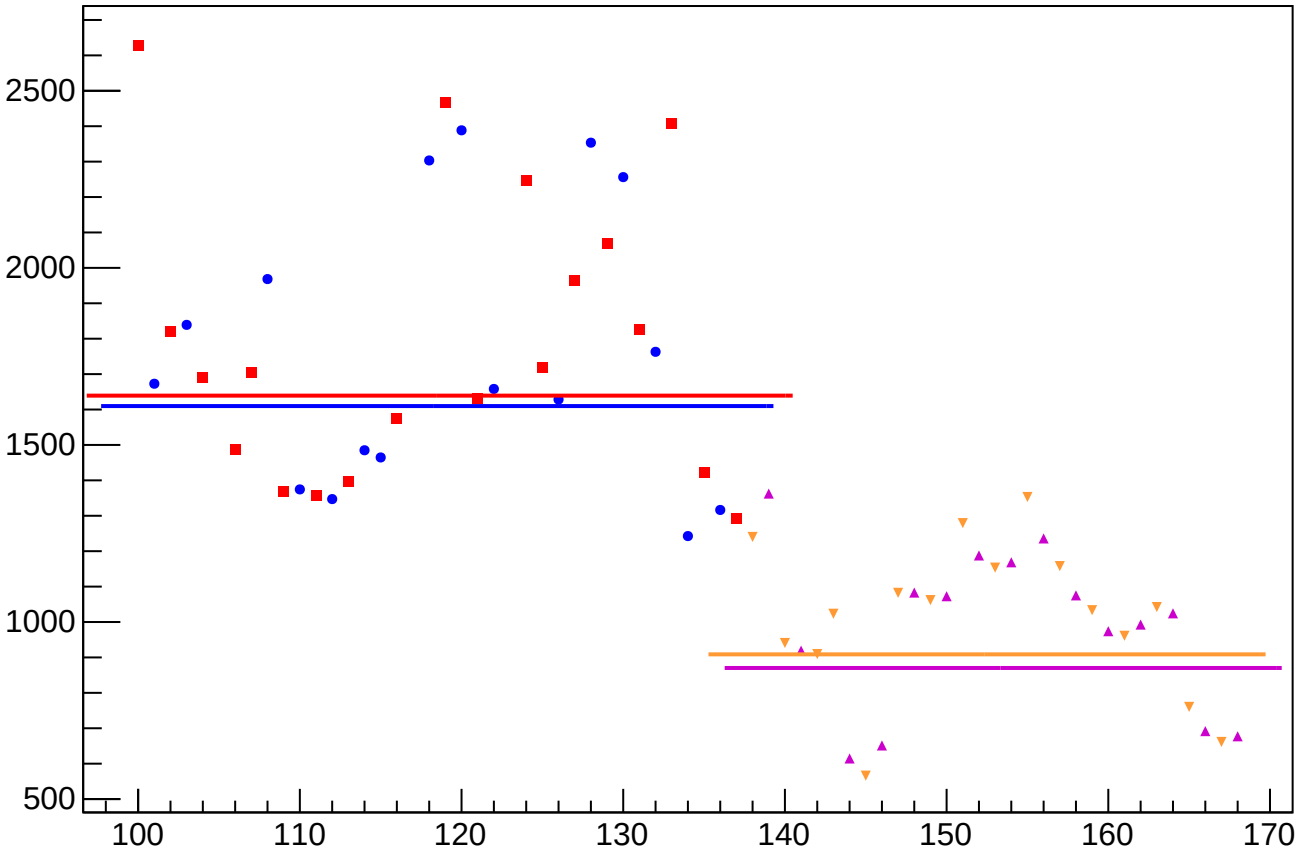
Left: -833.555+/-184.581 χ^2/NDF: 66.2/30

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -192.760+/-237.055 χ^2/NDF:37.6/30

Out: -1137.404+/-243.599 χ^2/NDF:70.5/34

All: -652.223+/-169.890 χ^2/NDF: 115.9/65



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585233.2/15

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 870.217+/-0.182 χ^2/NDF:1572221.2/14

Left: 888.816+/-0.131 χ^2/NDF: 3179147.2/30

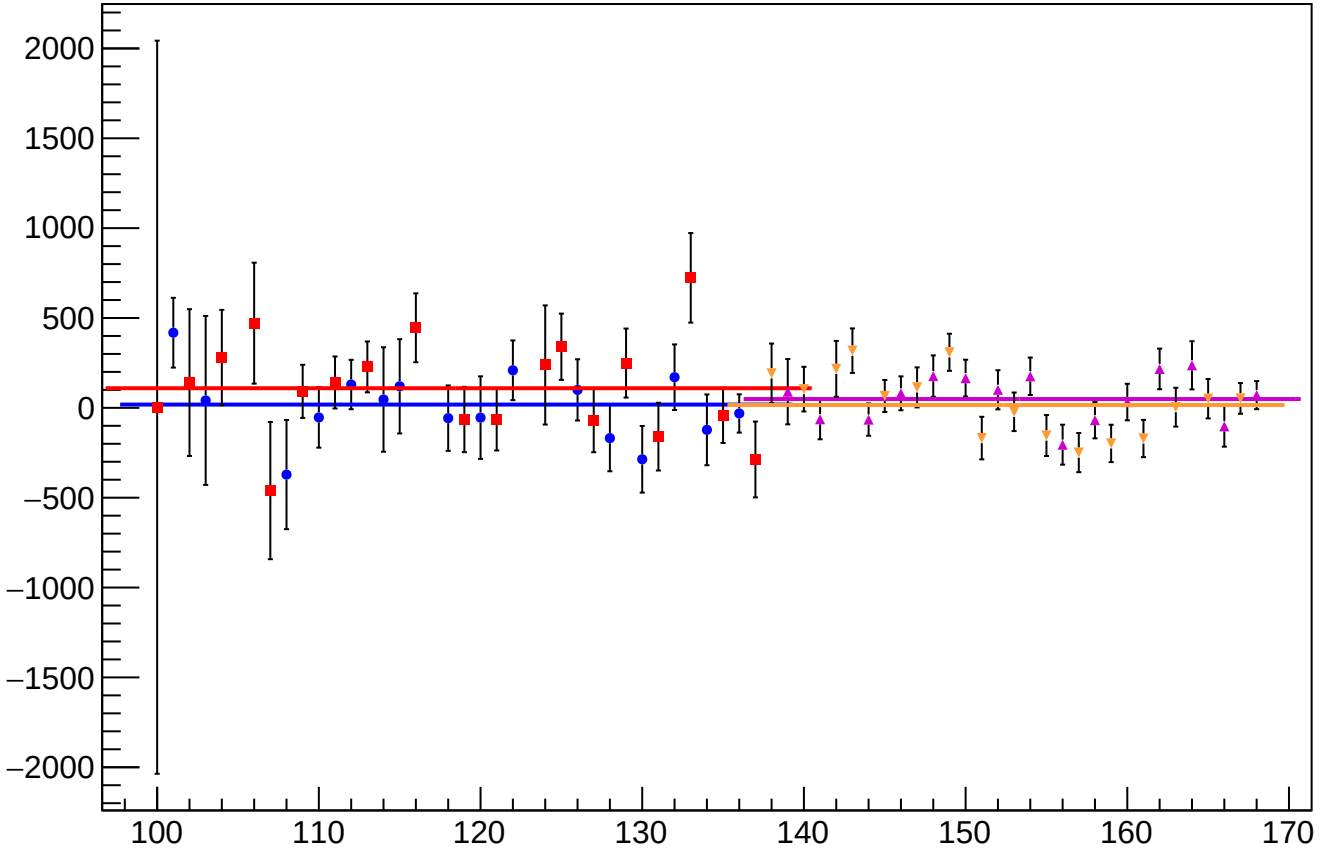
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 979.739+/-0.168 χ^2/NDF:4647202.5/30

Out: 1024.016+/-0.172 χ^2/NDF:4496857.0/34

All: 1001.274+/-0.120 χ^2/NDF: 9177996.4/65

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.031+/-27.258 χ^2/NDF:19.7/14

Left: 32.588+/-19.371 χ^2/NDF: 57.3/30

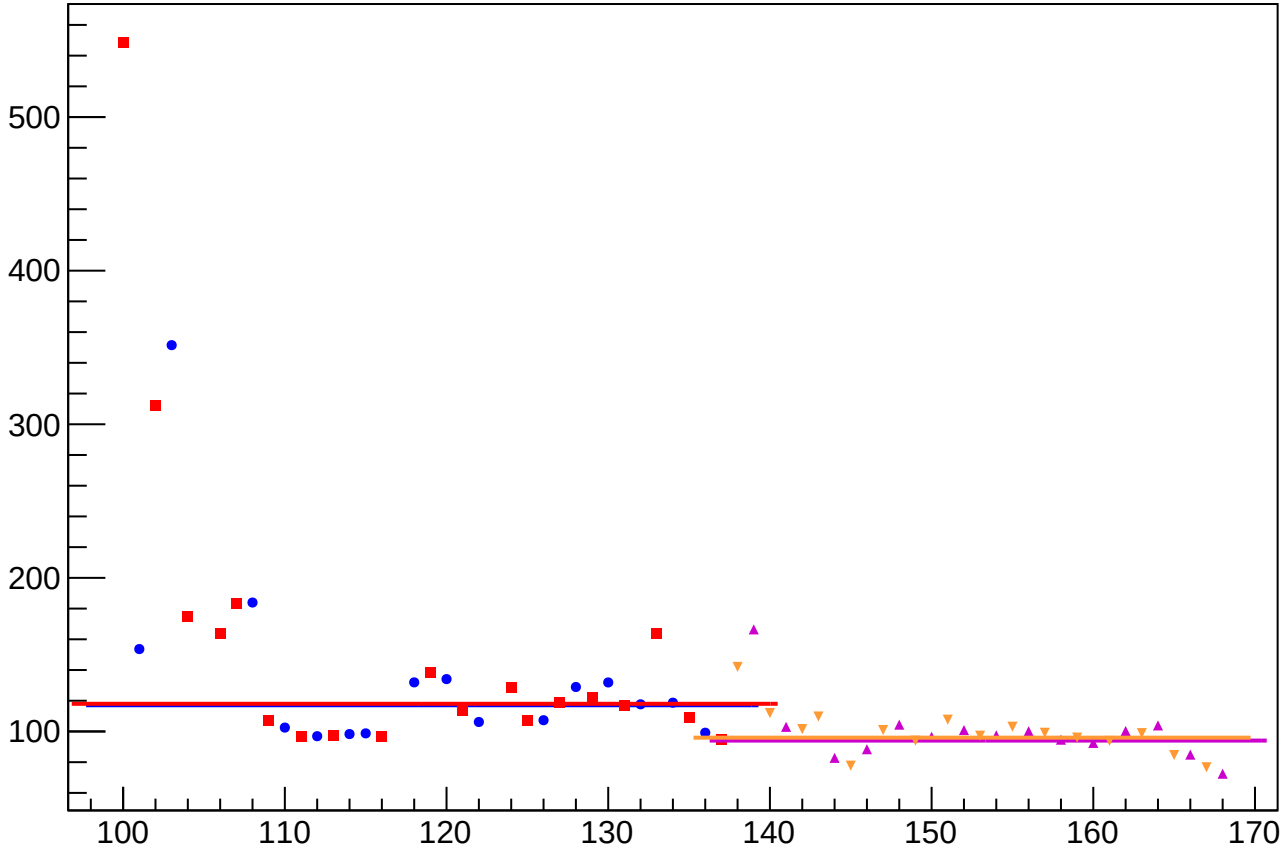
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.939+/-23.411 χ^2/NDF:33.9/30

Out: 40.567+/-23.601 χ^2/NDF:65.3/34

All: 40.755+/-16.621 χ^2/NDF: 99.2/65

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

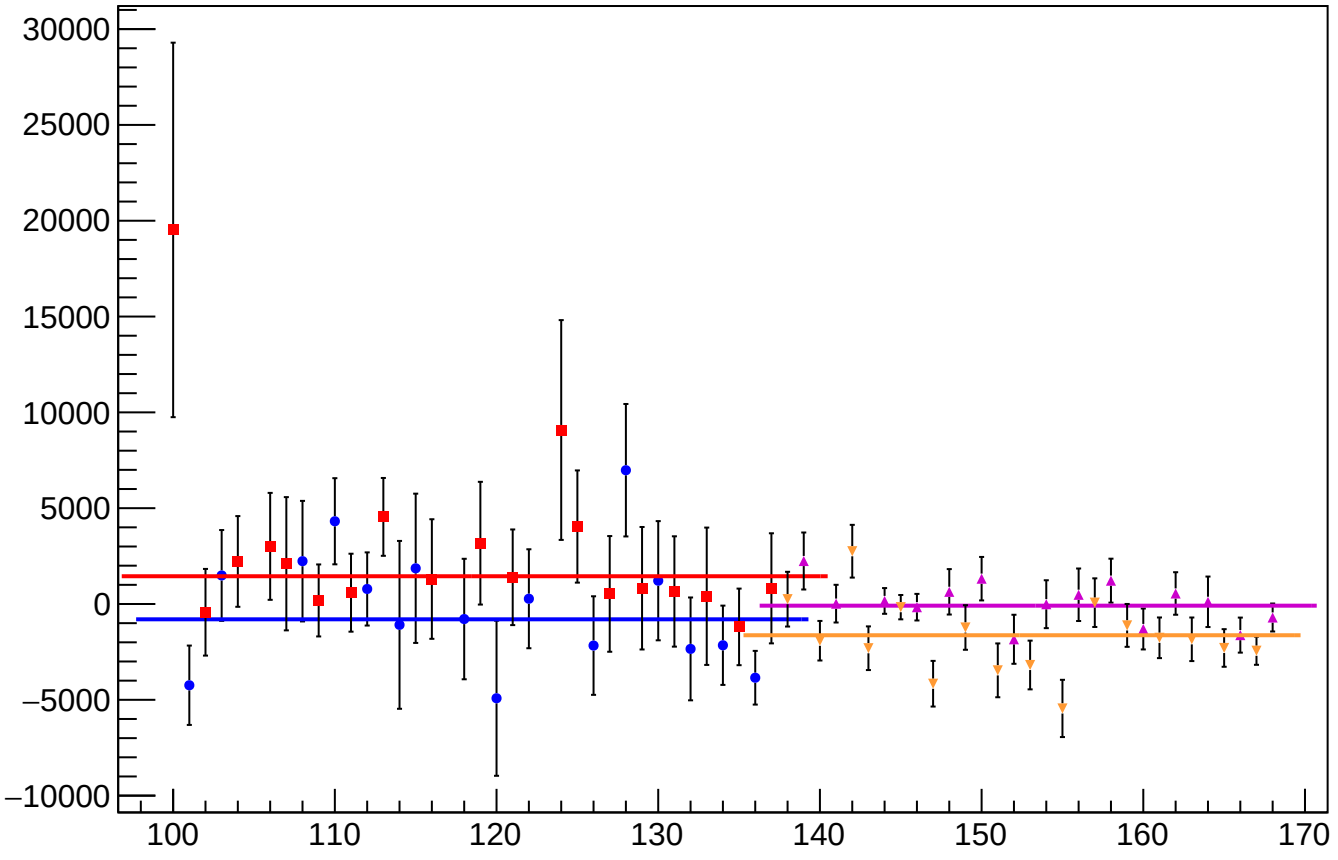
Left: 95.000+/-0.014 χ^2/NDF: 1047965.3/30

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 100.097+/-0.017 χ^2/NDF:1817204.9/30

Out: 101.804+/-0.017 χ^2/NDF:1784760.7/34

All: 100.944+/-0.012 χ^2/NDF: 3607237.4/65



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -87.348+/-256.834 χ^2/NDF:13.1/14

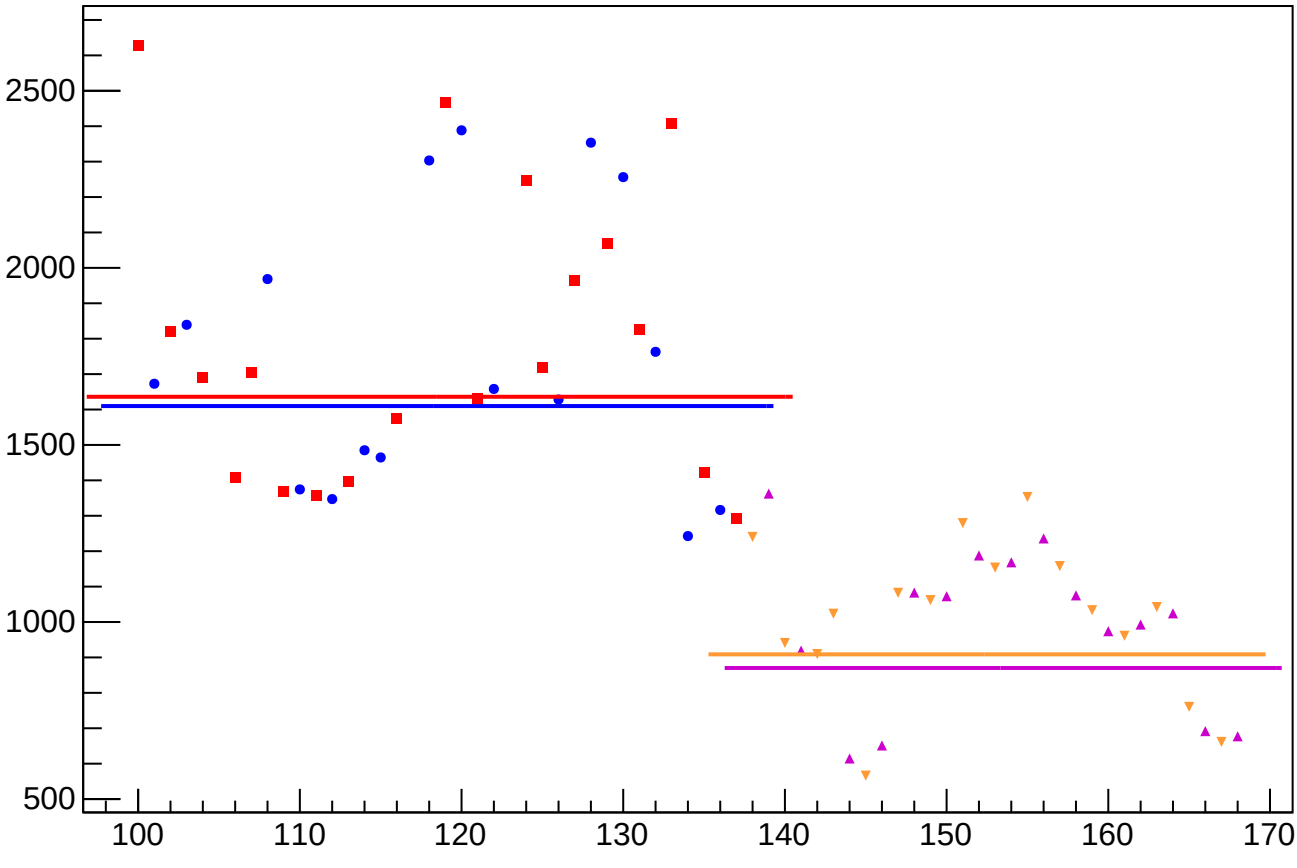
Left: -833.547+/-184.580 χ^2/NDF: 66.2/30

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -192.752+/-237.055 χ^2/NDF:37.6/30

Out: -1146.365+/-243.683 χ^2/NDF:69.3/34

All: -656.414+/-169.918 χ^2/NDF: 114.9/65



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 870.217+/-0.182 χ^2/NDF:1572221.3/14

Left: 888.816+/-0.131 χ^2/NDF: 3179152.1/30

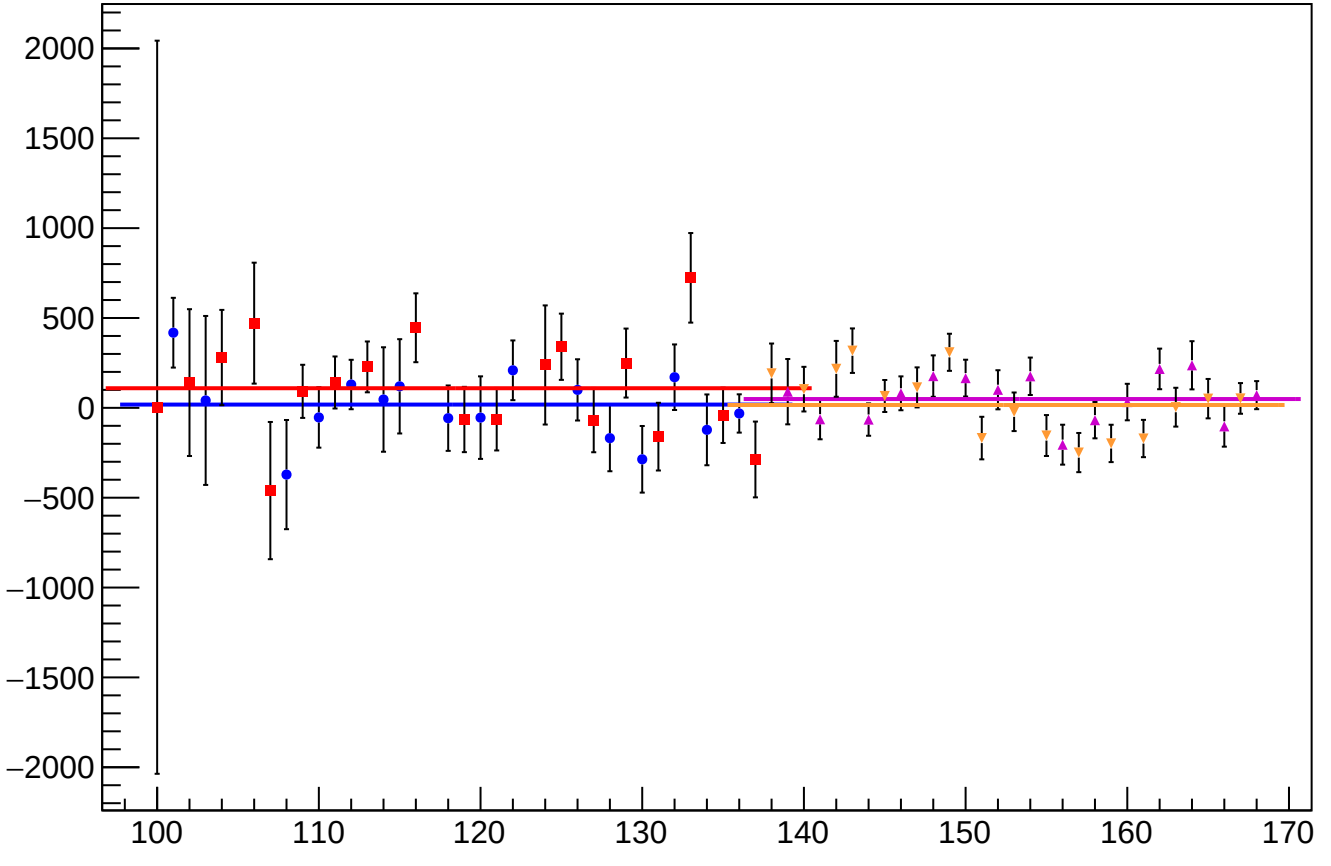
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 979.738+/-0.168 χ^2/NDF:4647263.6/30

Out: 1023.087+/-0.172 χ^2/NDF:4474880.0/34

All: 1000.815+/-0.120 χ^2/NDF: 9154660.6/65

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 15.812+/-27.533 χ^2/NDF:36.9/15

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.031+/-27.258 χ^2/NDF:19.7/14

Left: 32.588+/-19.371 χ^2/NDF: 57.3/30

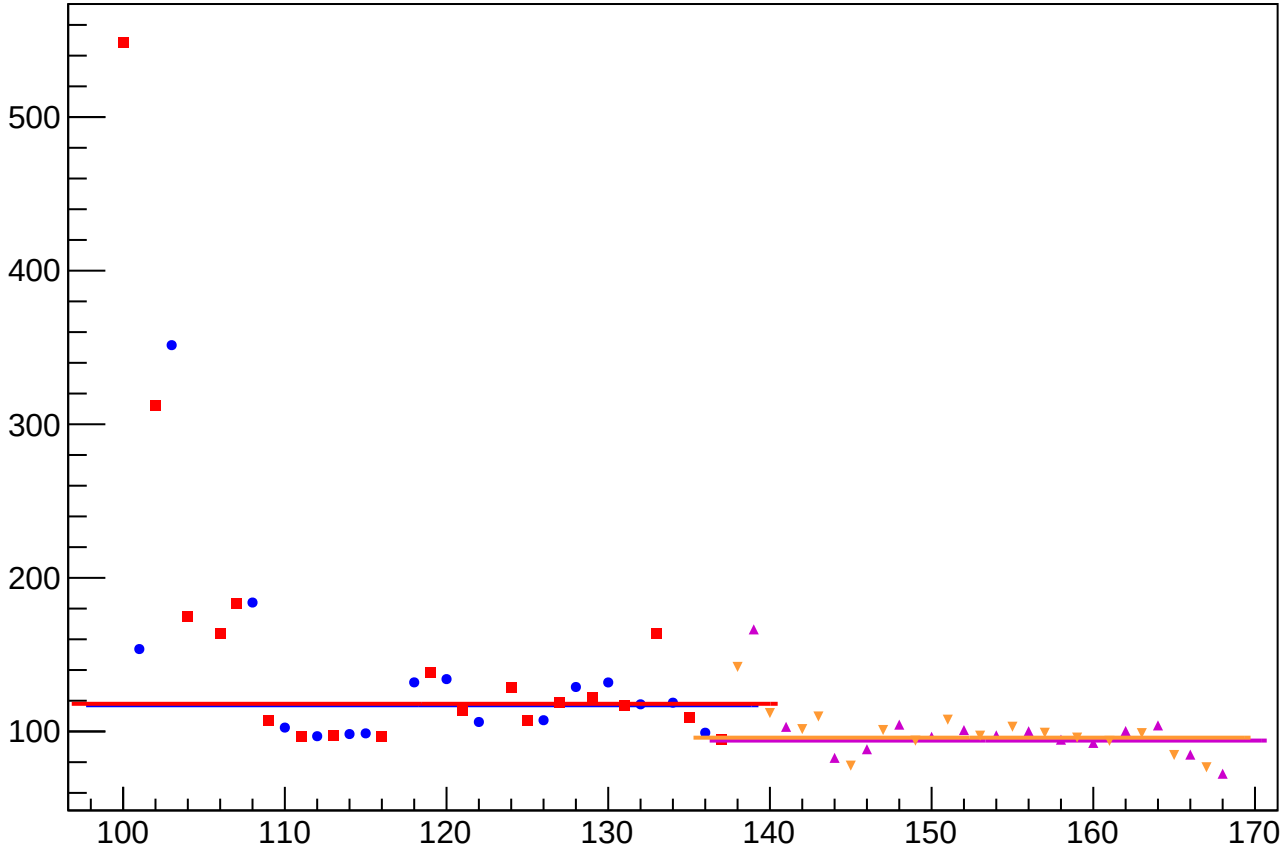
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.939+/-23.411 χ^2/NDF:33.9/30

Out: 40.567+/-23.601 χ^2/NDF:65.3/34

All: 40.755+/-16.621 χ^2/NDF: 99.2/65

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 95.956+/-0.019 χ^2/NDF:457995.4/15

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 94.062+/-0.019 χ^2/NDF:585193.4/14

Left: 95.000+/-0.014 χ^2/NDF: 1047965.3/30

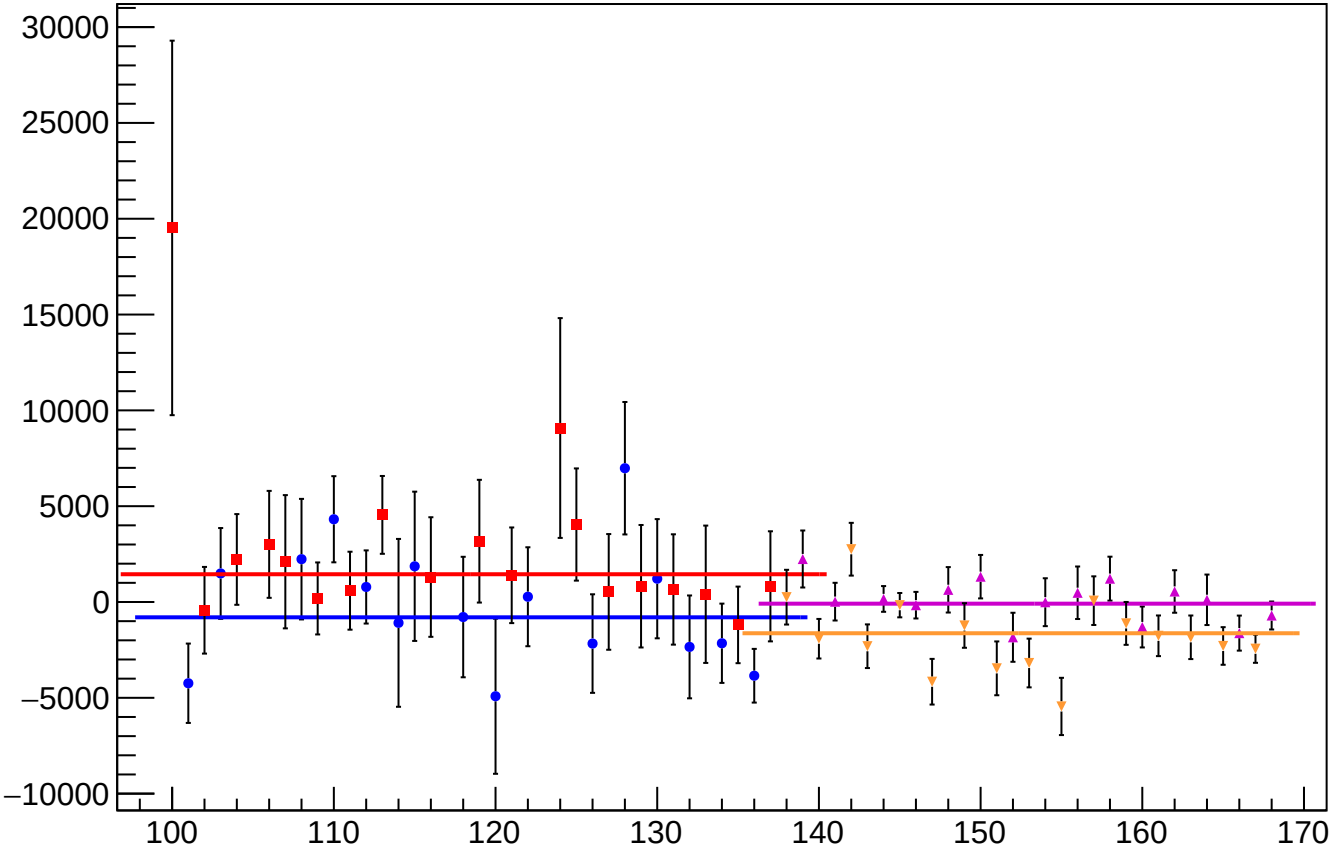
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 100.097+/-0.017 χ^2/NDF:1817204.9/30

Out: 101.804+/-0.017 χ^2/NDF:1784760.7/34

All: 100.944+/-0.012 χ^2/NDF: 3607237.4/65

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1630.661+/-265.452 χ^2/NDF:35.7/15

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -87.348+/-256.834 χ^2/NDF:13.1/14

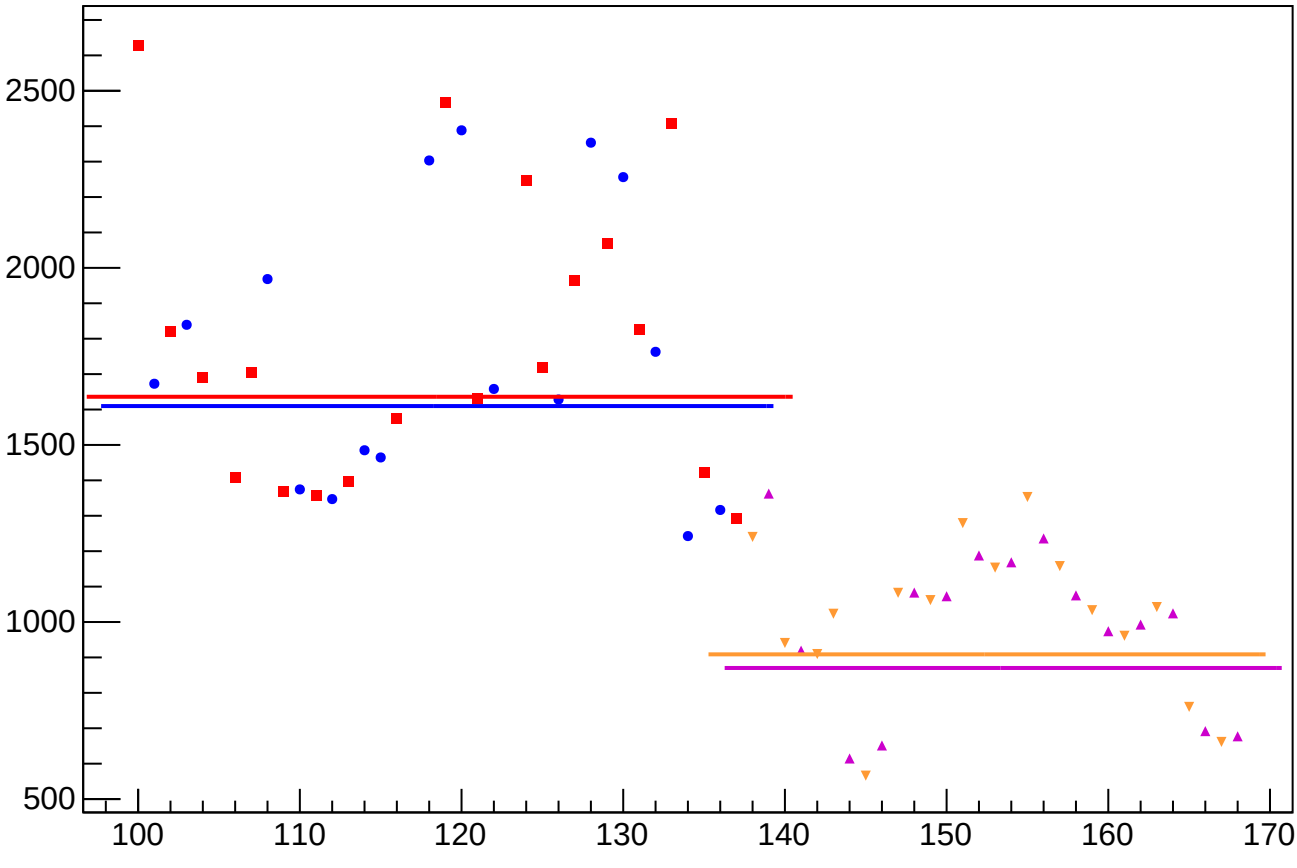
Left: -833.547+/-184.580 χ^2/NDF: 66.2/30

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -192.752+/-237.055 χ^2/NDF:37.6/30

Out: -1146.365+/-243.683 χ^2/NDF:69.3/34

All: -656.414+/-169.918 χ^2/NDF: 114.9/65



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 908.684+/-0.188 χ^2/NDF:1585238.7/15

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 870.217+/-0.182 χ^2/NDF:1572221.3/14

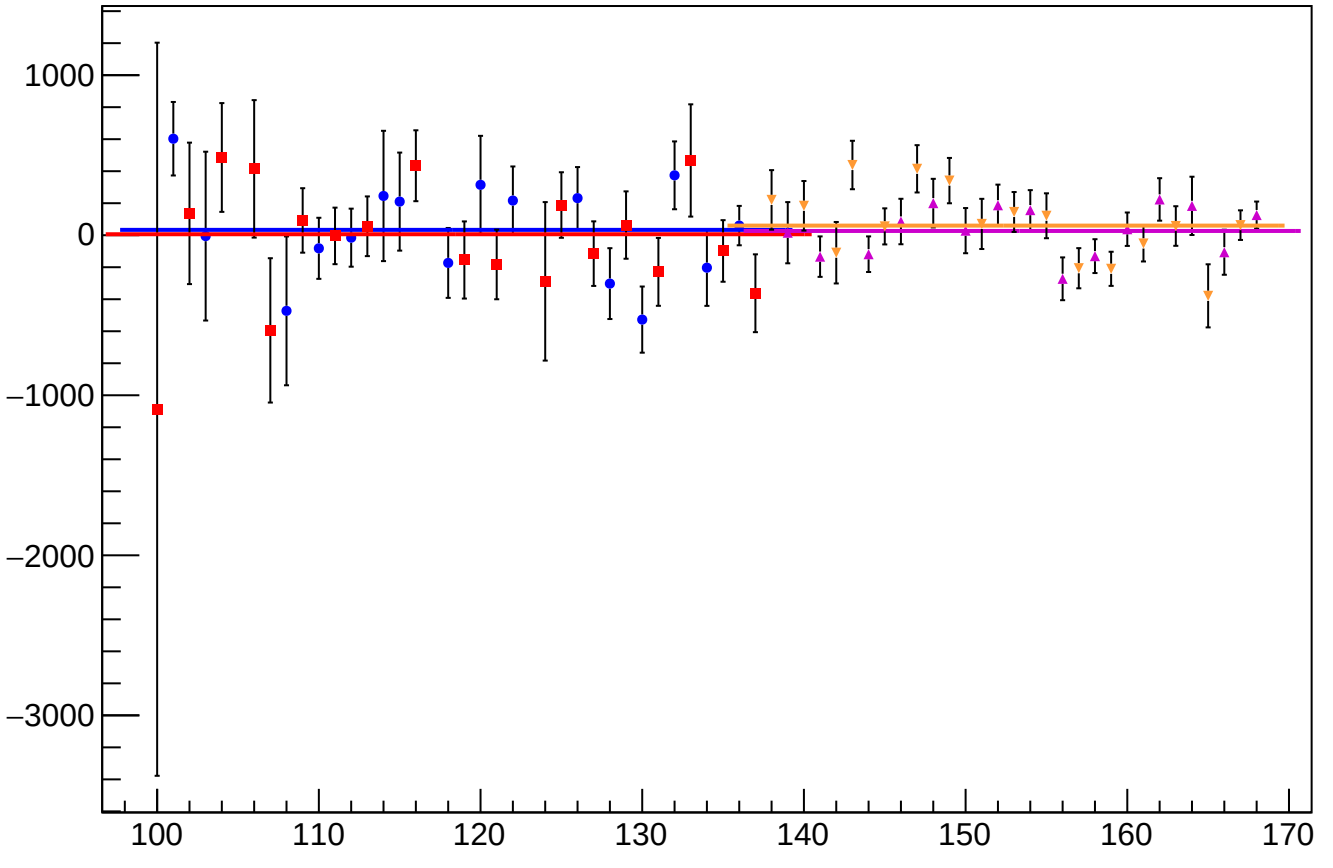
Left: 888.816+/-0.131 χ^2/NDF: 3179152.1/30

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 979.738+/-0.168 χ^2/NDF:4647263.6/30

Out: 1023.087+/-0.172 χ^2/NDF:4474880.0/34

All: 1000.815+/-0.120 χ^2/NDF: 9154660.6/65



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.047+/-33.148 χ^2/NDF:35.7/15

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 26.616+/-32.378 χ^2/NDF:19.9/14

Left: 42.939+/-23.162 χ^2/NDF: 56.1/30

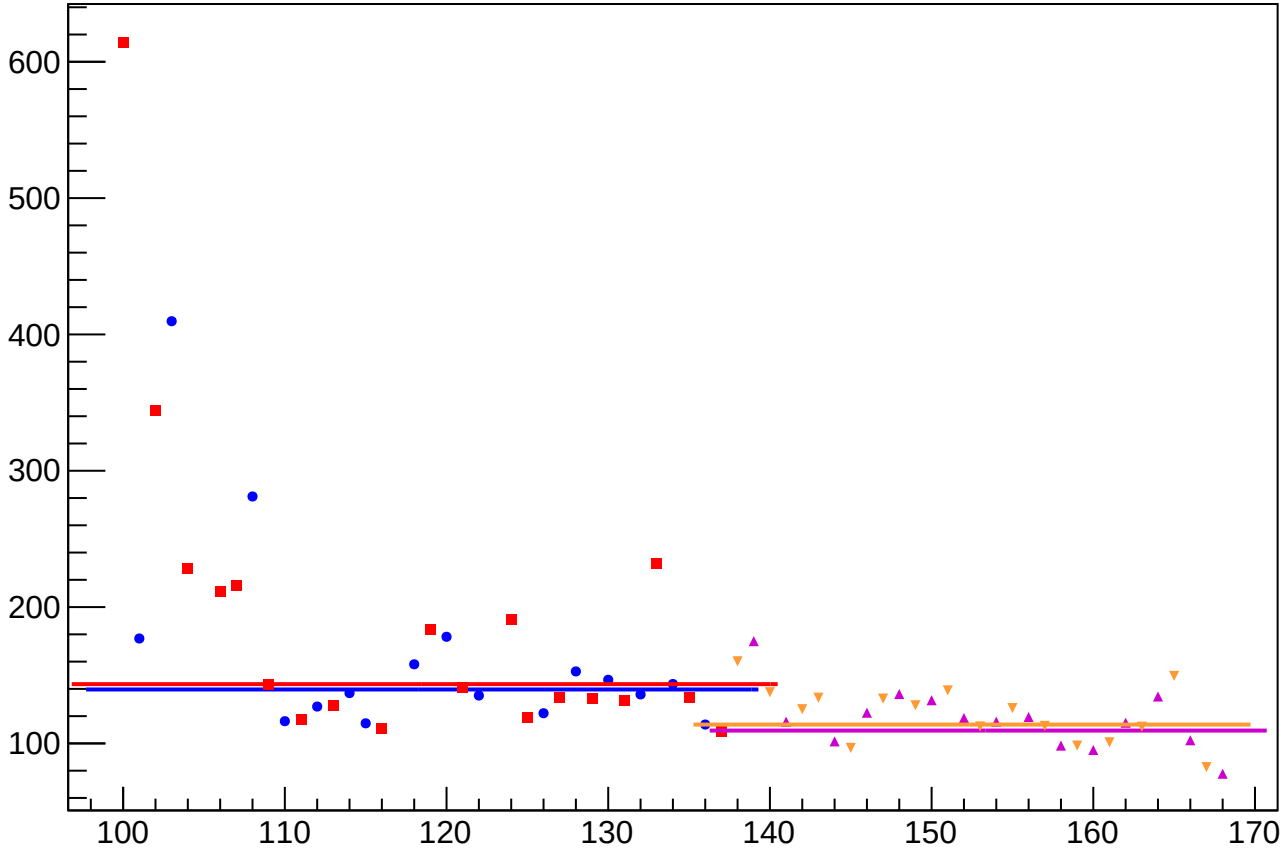
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 28.385+/-27.890 χ^2/NDF:45.1/30

Out: 46.085+/-28.537 χ^2/NDF:53.6/34

All: 37.032+/-19.946 χ^2/NDF: 98.9/65

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 113.817+/-0.023 χ^2/NDF:739801.5/15

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 109.422+/-0.023 χ^2/NDF:794648.4/14

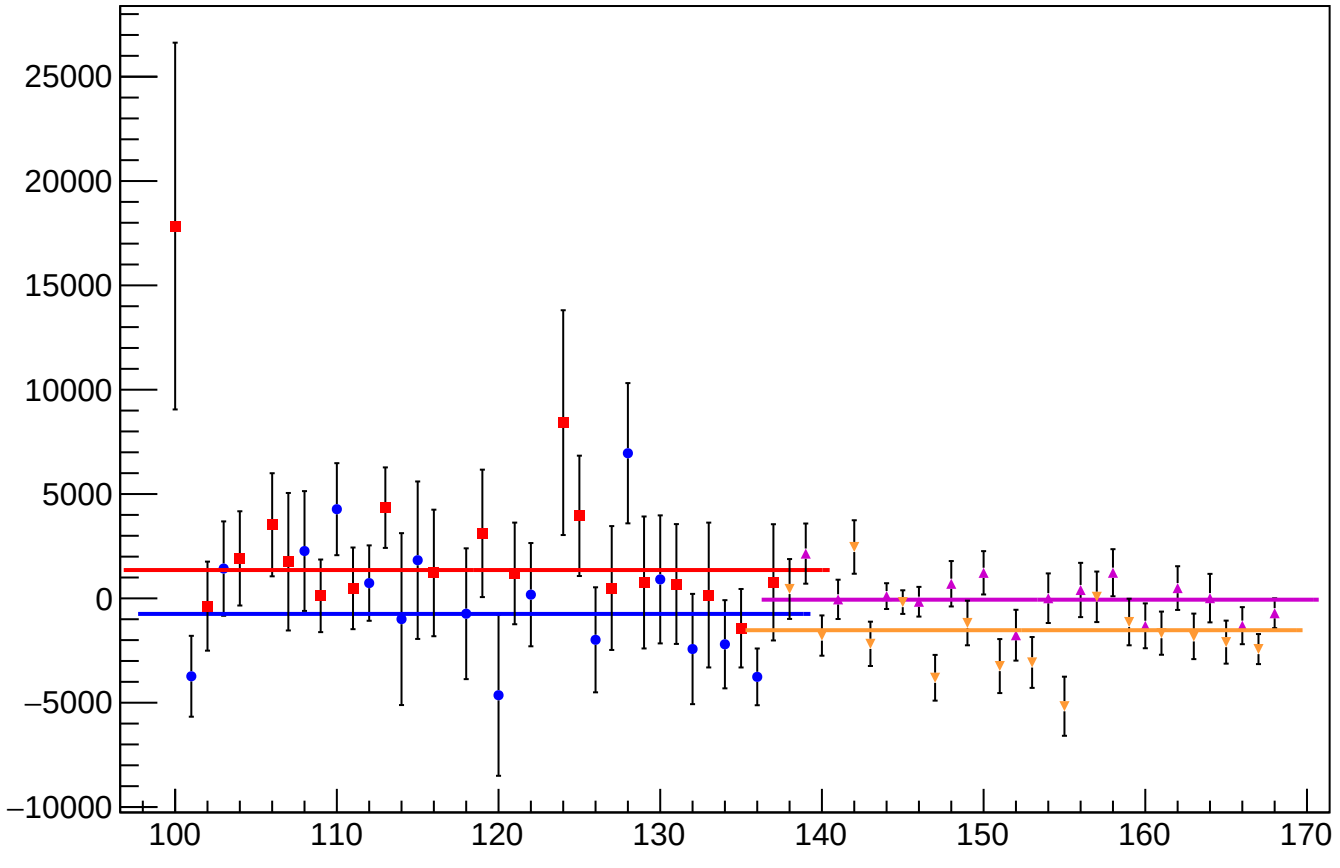
Left: 111.568+/-0.016 χ^2/NDF: 1552443.7/30

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 117.200+/-0.020 χ^2/NDF:2218655.0/30

Out: 121.495+/-0.020 χ^2/NDF:2271010.2/34

All: 119.298+/-0.014 χ^2/NDF: 4512843.4/65



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.716 χ^2/NDF:36.0/15

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: -63.039+/-246.388 χ^2/NDF:12.3/14

Left: -778.613+/-176.076 χ^2/NDF: 65.5/30

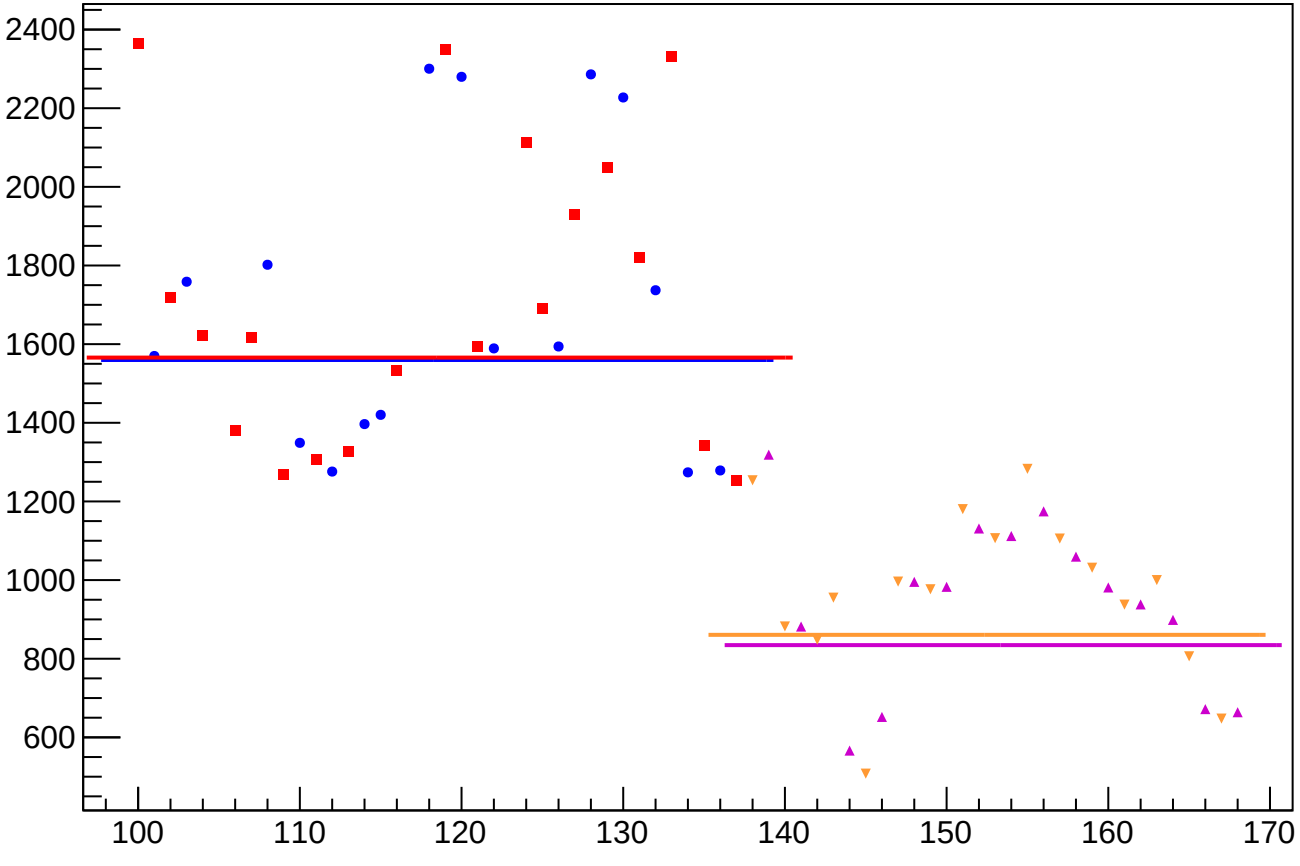
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -162.584+/-227.688 χ^2/NDF:36.9/30

Out: -1076.077+/-231.269 χ^2/NDF:69.9/34

All: -612.202+/-162.251 χ^2/NDF: 114.7/65

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 860.742+/-0.178 χ^2/NDF:1732687.4/15

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 834.607+/-0.174 χ^2/NDF:1511424.3/14

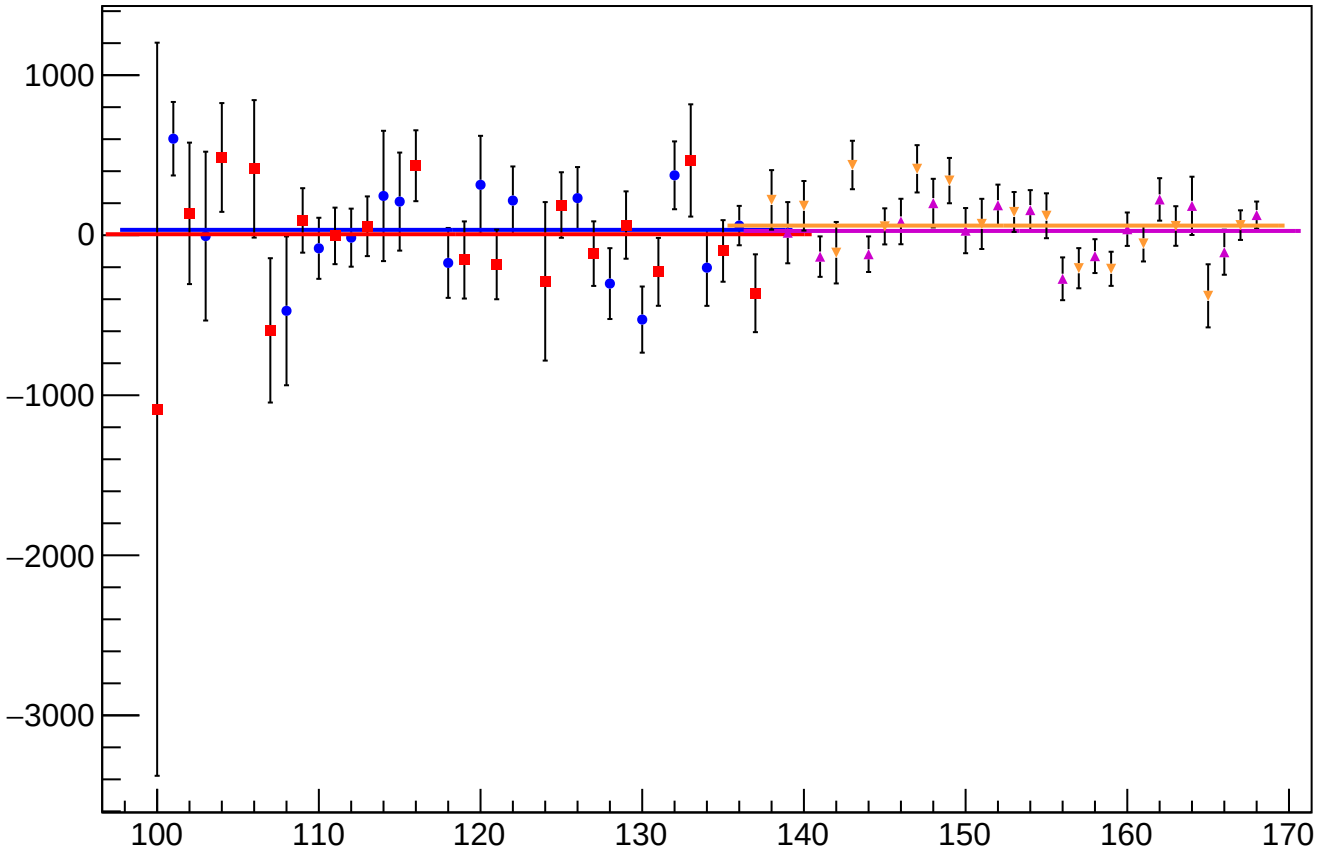
Left: 847.395+/-0.125 χ^2/NDF: 3255121.9/30

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 940.503+/-0.161 χ^2/NDF:4645415.9/30

Out: 970.631+/-0.164 χ^2/NDF:4742192.4/34

All: 955.332+/-0.115 χ^2/NDF: 9404844.0/65



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 60.049+/-33.148 χ^2/NDF:35.7/15

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 26.615+/-32.378 χ^2/NDF:19.9/14

Left: 42.939+/-23.162 χ^2/NDF: 56.1/30

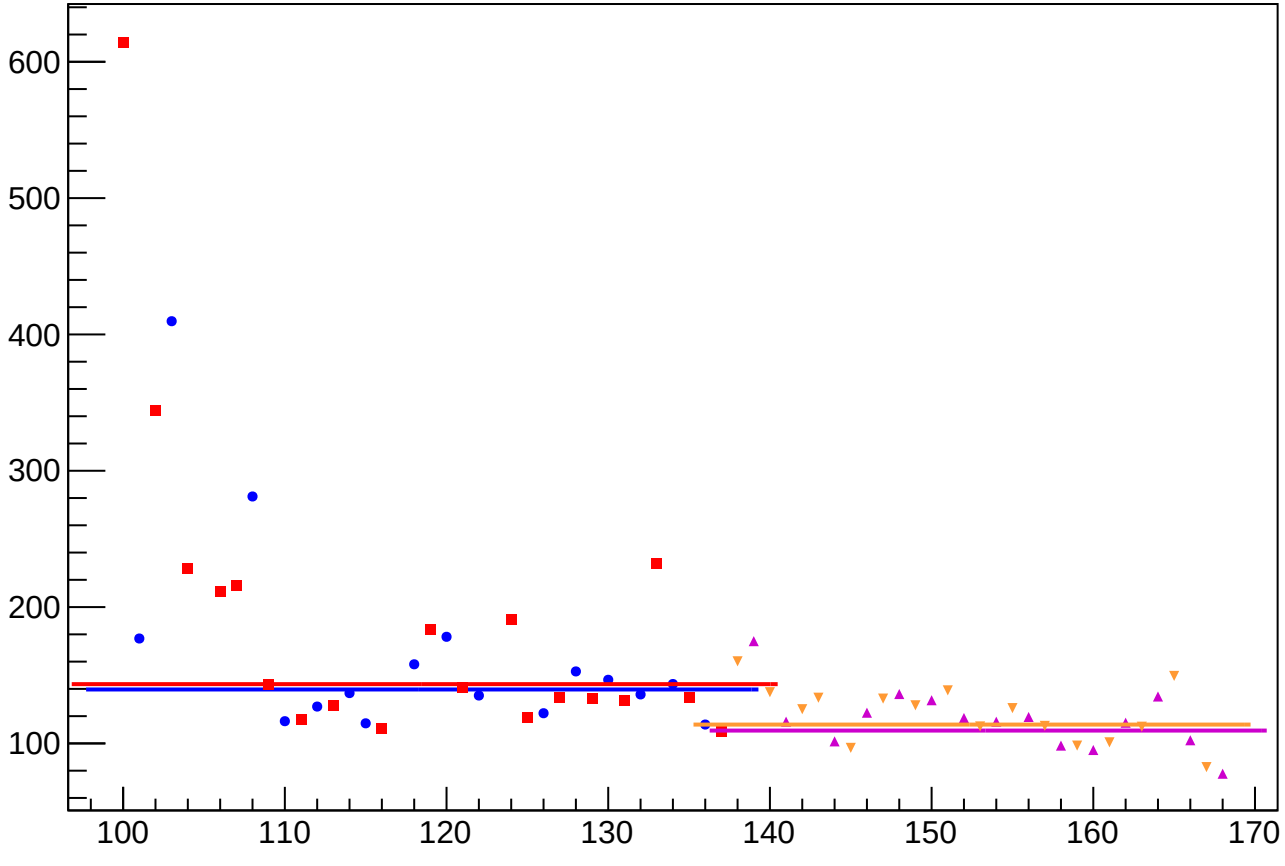
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 28.383+/-27.890 χ^2/NDF:45.1/30

Out: 46.085+/-28.537 χ^2/NDF:53.6/34

All: 37.031+/-19.946 χ^2/NDF: 98.9/65

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 113.818+/-0.023 χ^2/NDF:739818.9/15

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 109.423+/-0.023 χ^2/NDF:794661.7/14

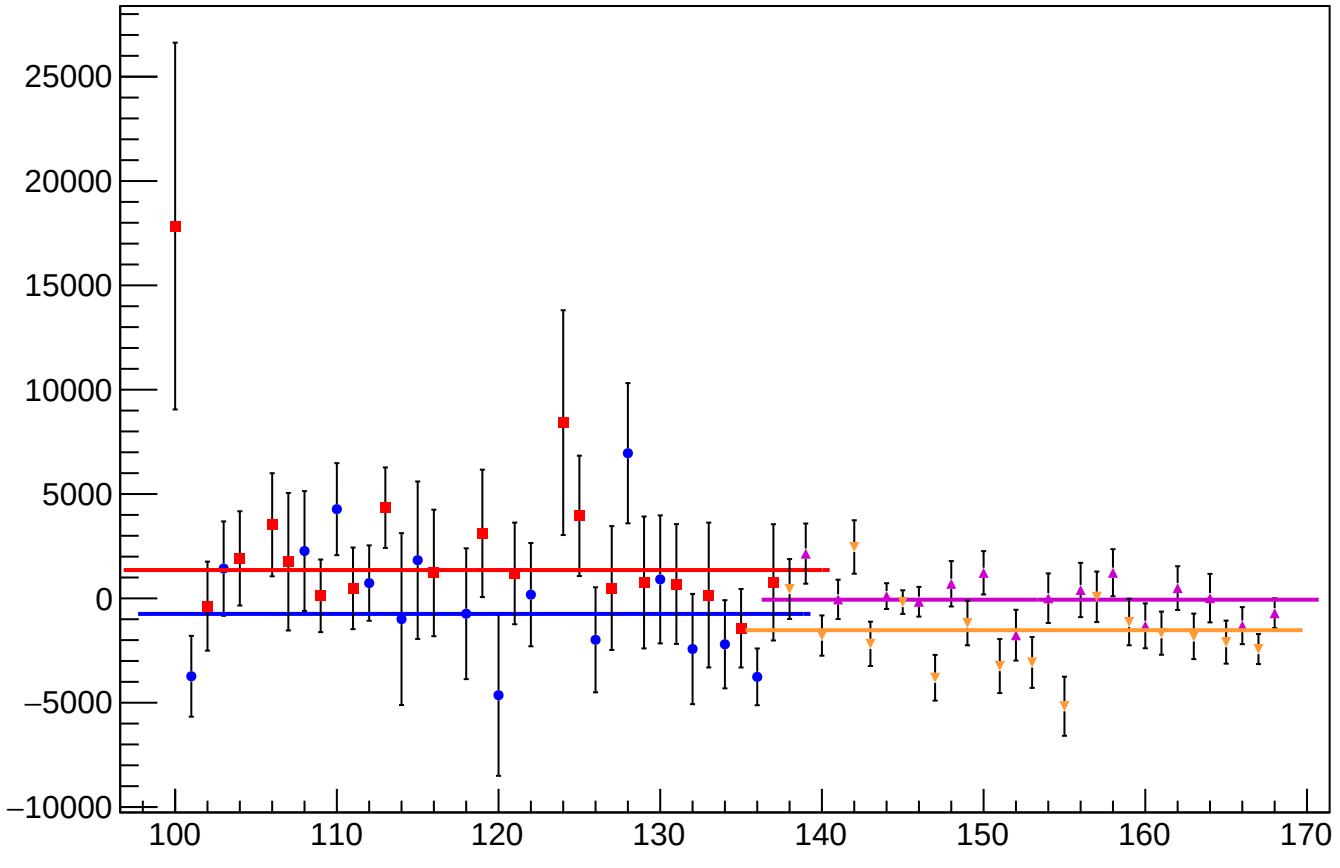
Left: 111.569+/-0.016 χ^2/NDF: 1552474.9/30

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 117.200+/-0.020 χ^2/NDF:2218665.9/30

Out: 121.496+/-0.020 χ^2/NDF:2271031.7/34

All: 119.299+/-0.014 χ^2/NDF: 4512876.8/65



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1525.464+/-251.715 χ^2/NDF:36.0/15

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: -63.040+/-246.388 χ^2/NDF:12.3/14

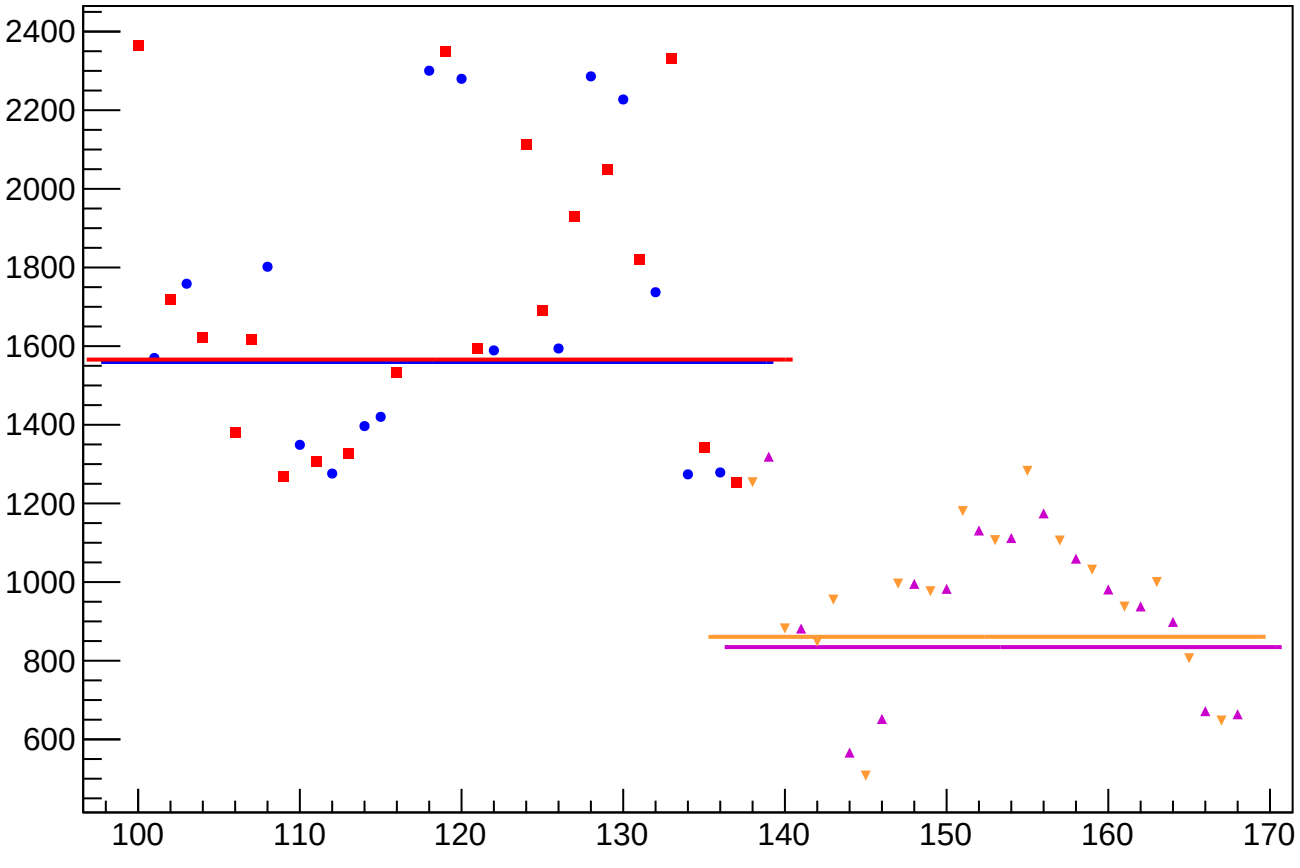
Left: -778.613+/-176.076 χ^2/NDF: 65.5/30

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -162.584+/-227.687 χ^2/NDF:36.9/30

Out: -1076.076+/-231.269 χ^2/NDF:69.9/34

All: -612.202+/-162.251 χ^2/NDF: 114.7/65



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 860.741+/-0.178 χ^2/NDF:1732683.4/15

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 834.606+/-0.174 χ^2/NDF:1511420.4/14

Left: 847.394+/-0.125 χ^2/NDF: 3255113.9/30

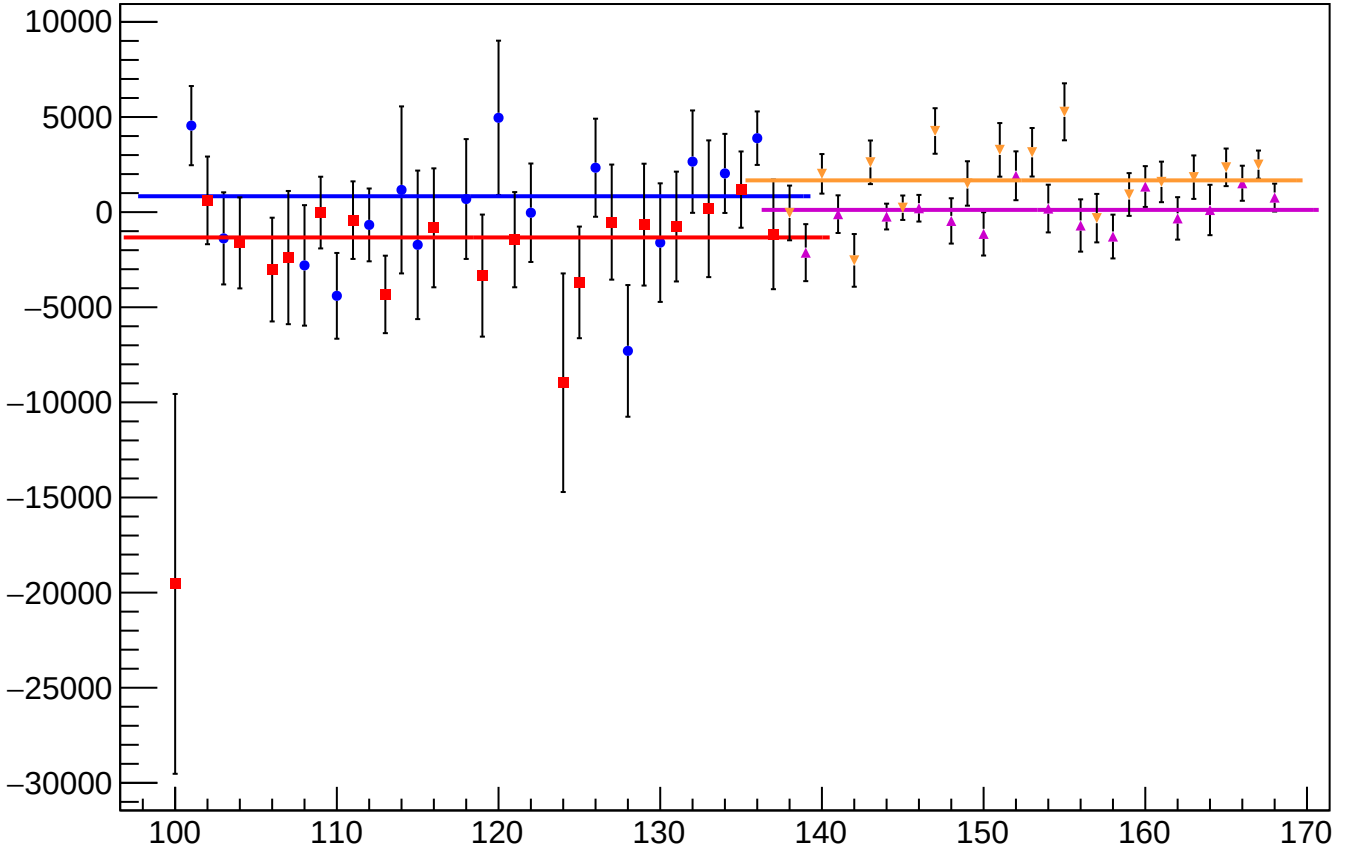
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 940.502+/-0.161 χ^2/NDF:4645412.6/30

Out: 970.630+/-0.164 χ^2/NDF:4742184.7/34

All: 955.331+/-0.115 χ^2/NDF: 9404832.9/65

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1669.974+/-267.117 χ^2/NDF:34.2/15

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 118.433+/-258.536 χ^2/NDF:12.4/14

Left: 868.884+/-185.772 χ^2/NDF: 64.0/30

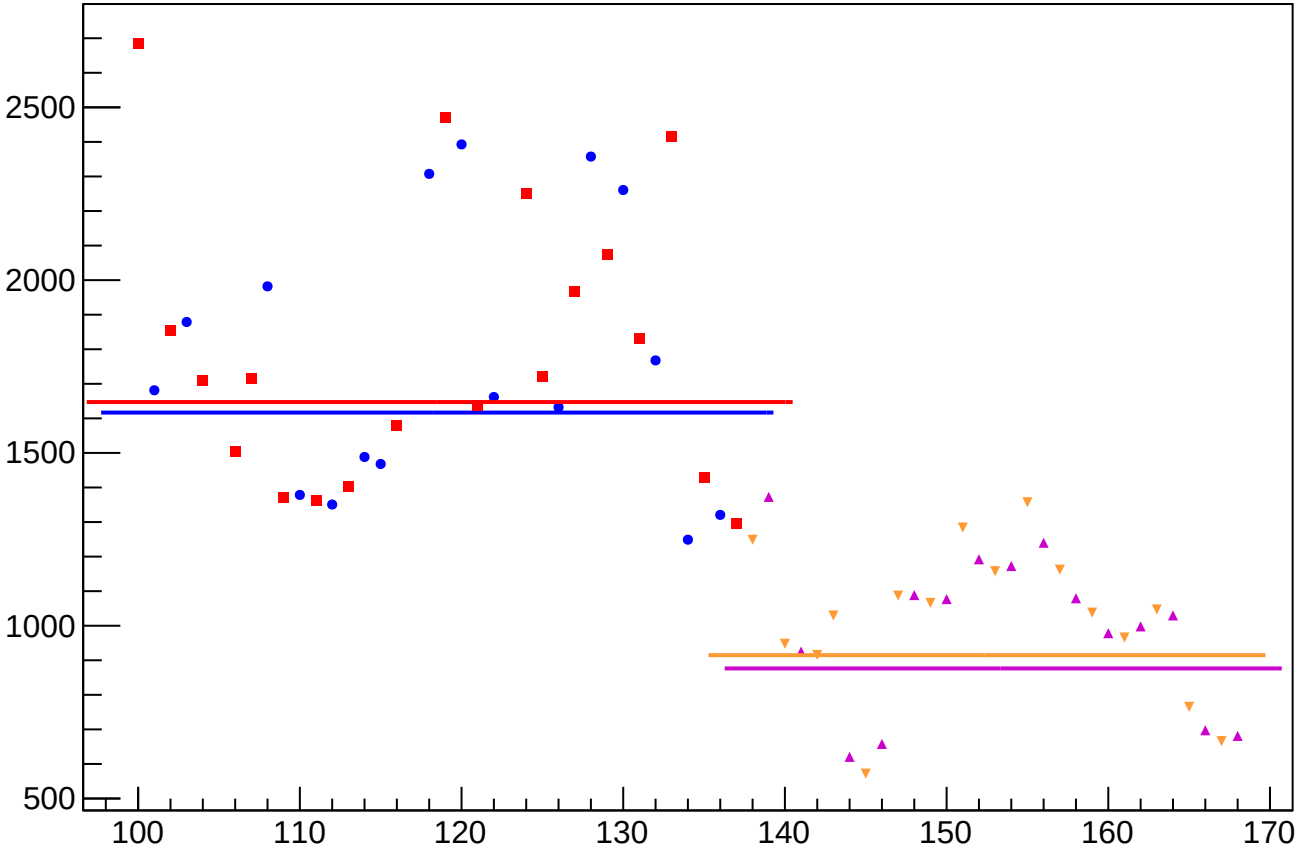
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 225.006+/-238.552 χ^2/NDF:38.4/30

Out: 1195.782+/-245.095 χ^2/NDF:66.3/34

All: 697.263+/-170.948 χ^2/NDF: 112.8/65

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 914.788+/-0.189 χ^2/NDF:1562133.6/15

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 876.412+/-0.183 χ^2/NDF:1550067.4/14

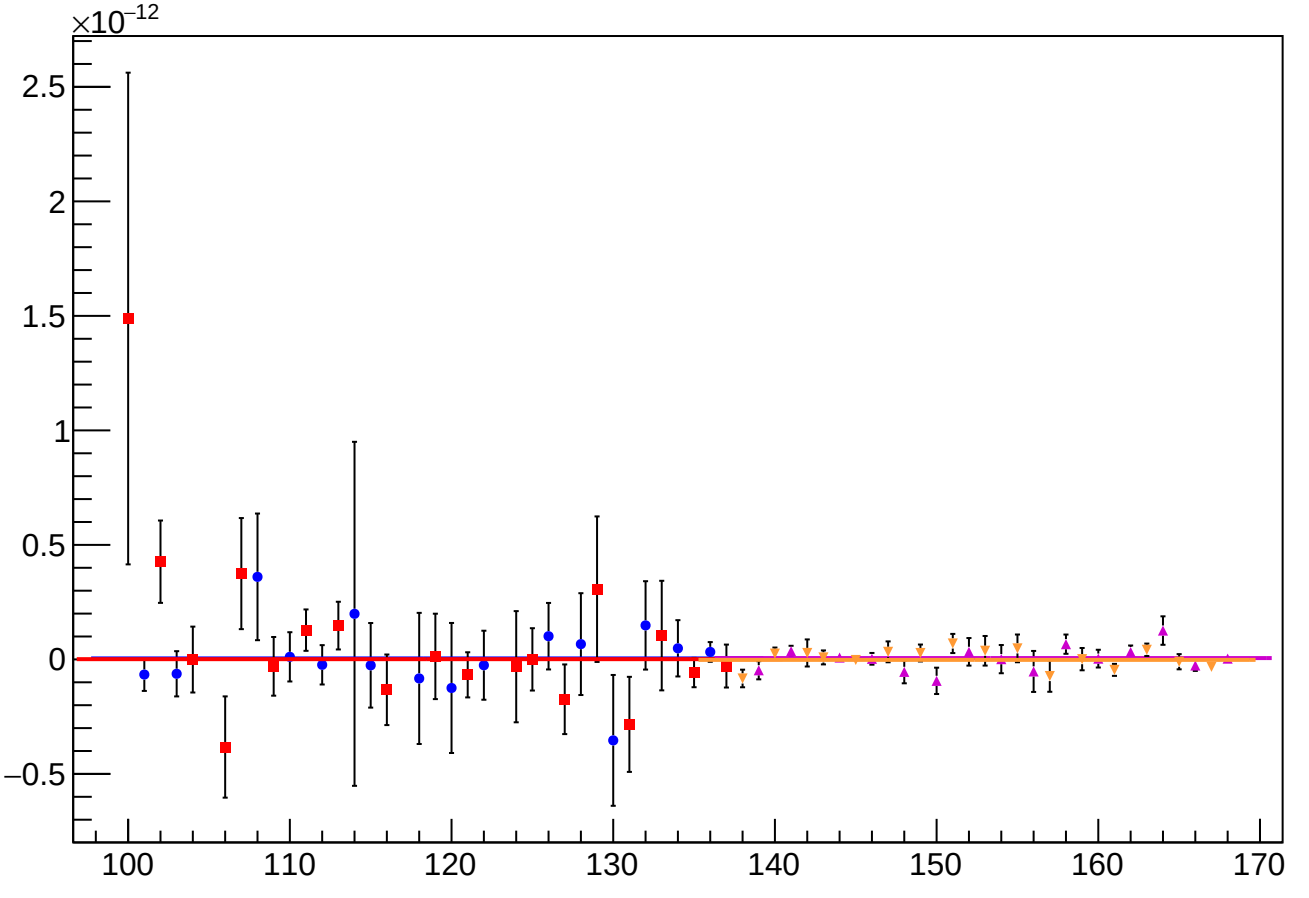
Left: 894.974+/-0.131 χ^2/NDF: 3133514.9/30

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 986.453+/-0.169 χ^2/NDF:4610157.3/30

Out: 1030.579+/-0.173 χ^2/NDF:4463243.3/34

All: 1007.919+/-0.121 χ^2/NDF: 9106691.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/14

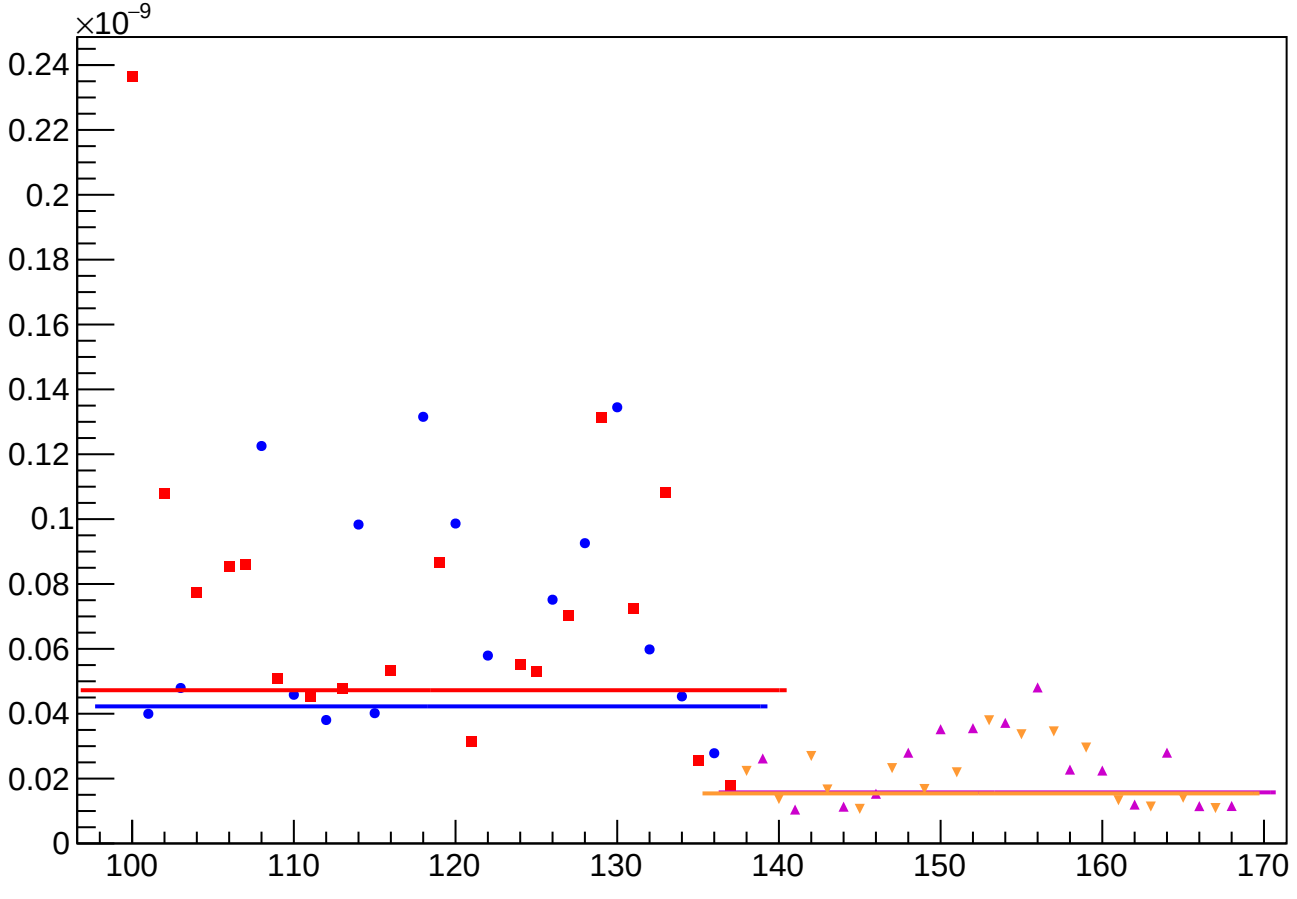
Left: 0.000+/-0.000 χ^2/NDF: 37.6/30

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:23.9/30

Out: -0.000+/-0.000 χ^2/NDF:43.5/34

All: 0.000+/-0.000 χ^2/NDF: 67.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1311092.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1791398.8/14

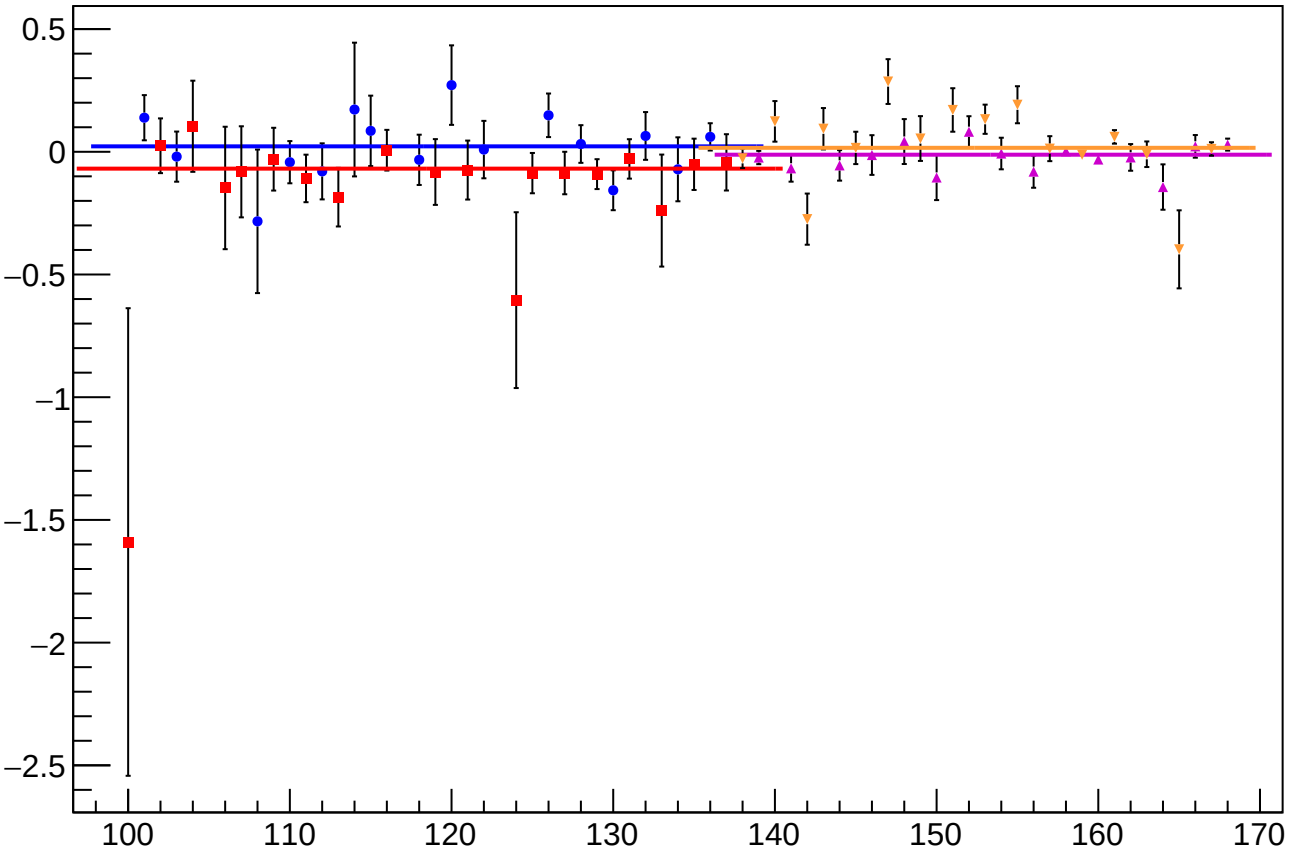
Left: 0.000+/-0.000 χ^2/NDF: 3104047.9/30

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4676990.6/30

Out: 0.000+/-0.000 χ^2/NDF:4783727.0/34

All: 0.000+/-0.000 χ^2/NDF: 9464027.6/65



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.009 χ^2/NDF:14.0/14

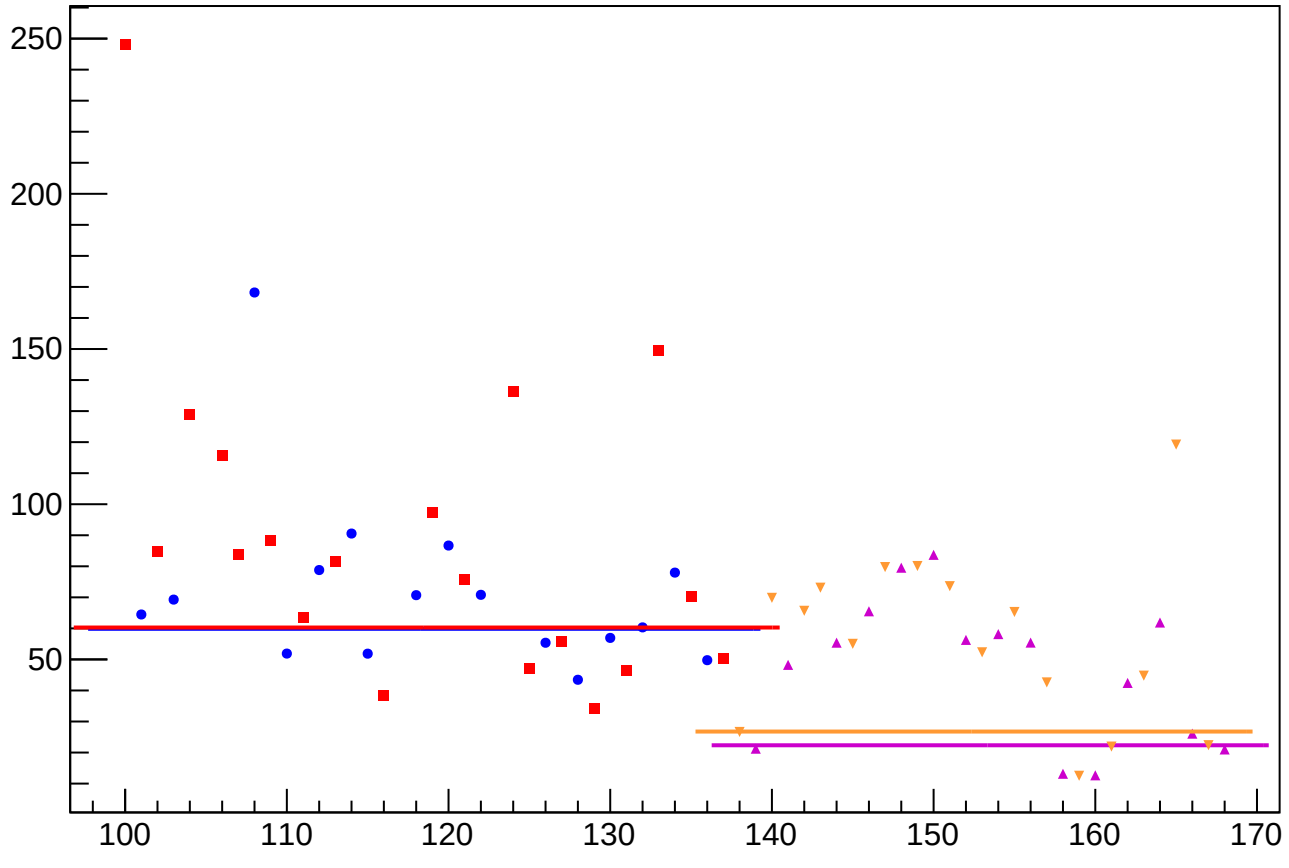
Left: -0.000+/-0.007 χ^2/NDF: 64.1/30

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:31.2/30

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.003+/-0.006 χ^2/NDF: 97.2/65



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.344+/-0.006 χ^2/NDF:6984383.5/14

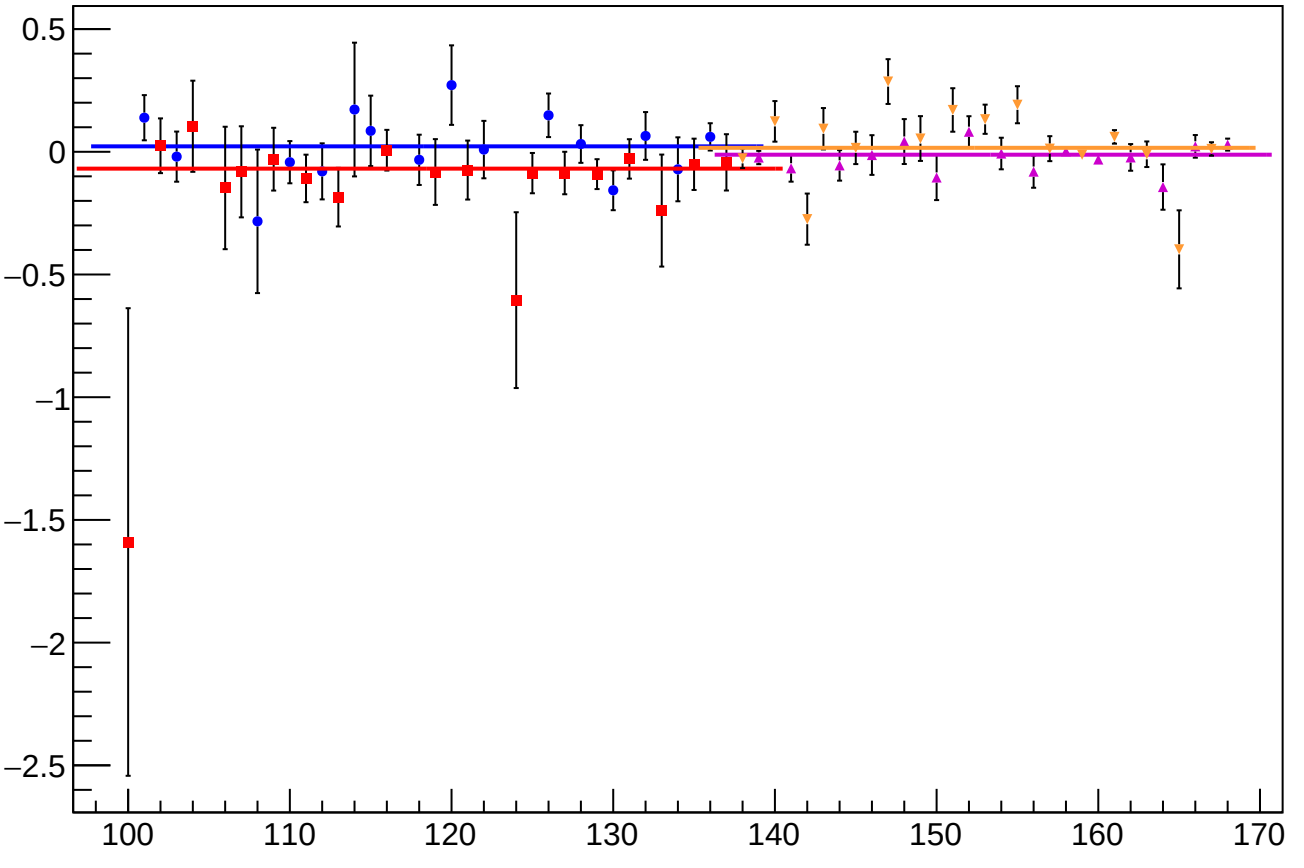
Left: 24.207+/-0.005 χ^2/NDF: 14724705.6/30

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.463+/-0.006 χ^2/NDF:11800970.5/30

Out: 31.422+/-0.007 χ^2/NDF:12524750.4/34

All: 28.593+/-0.004 χ^2/NDF: 24641924.6/65



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.009 χ^2/NDF:14.0/14

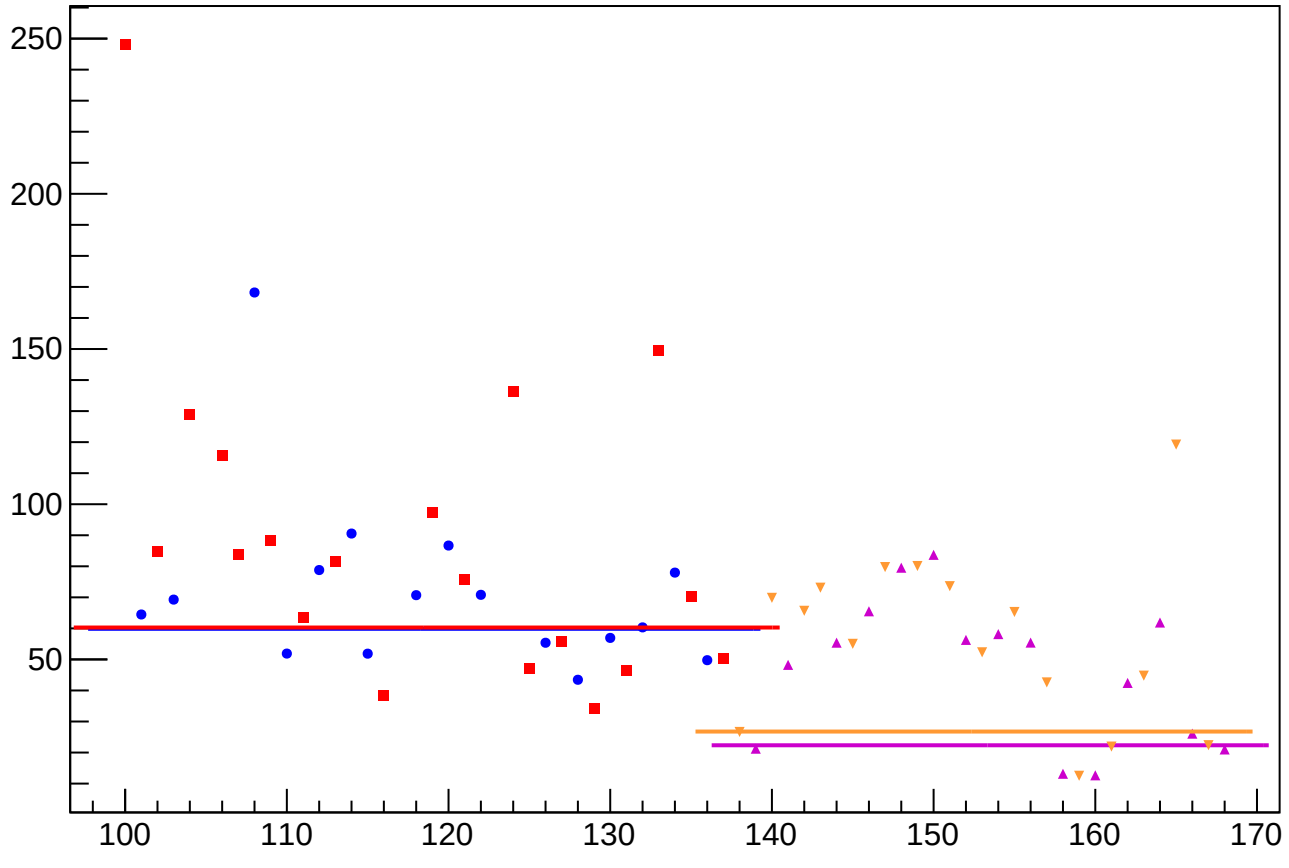
Left: -0.000+/-0.007 χ^2/NDF: 64.1/30

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:31.2/30

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.003+/-0.006 χ^2/NDF: 97.2/65



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.766+/-0.007 χ^2/NDF:7520779.0/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.344+/-0.006 χ^2/NDF:6984383.5/14

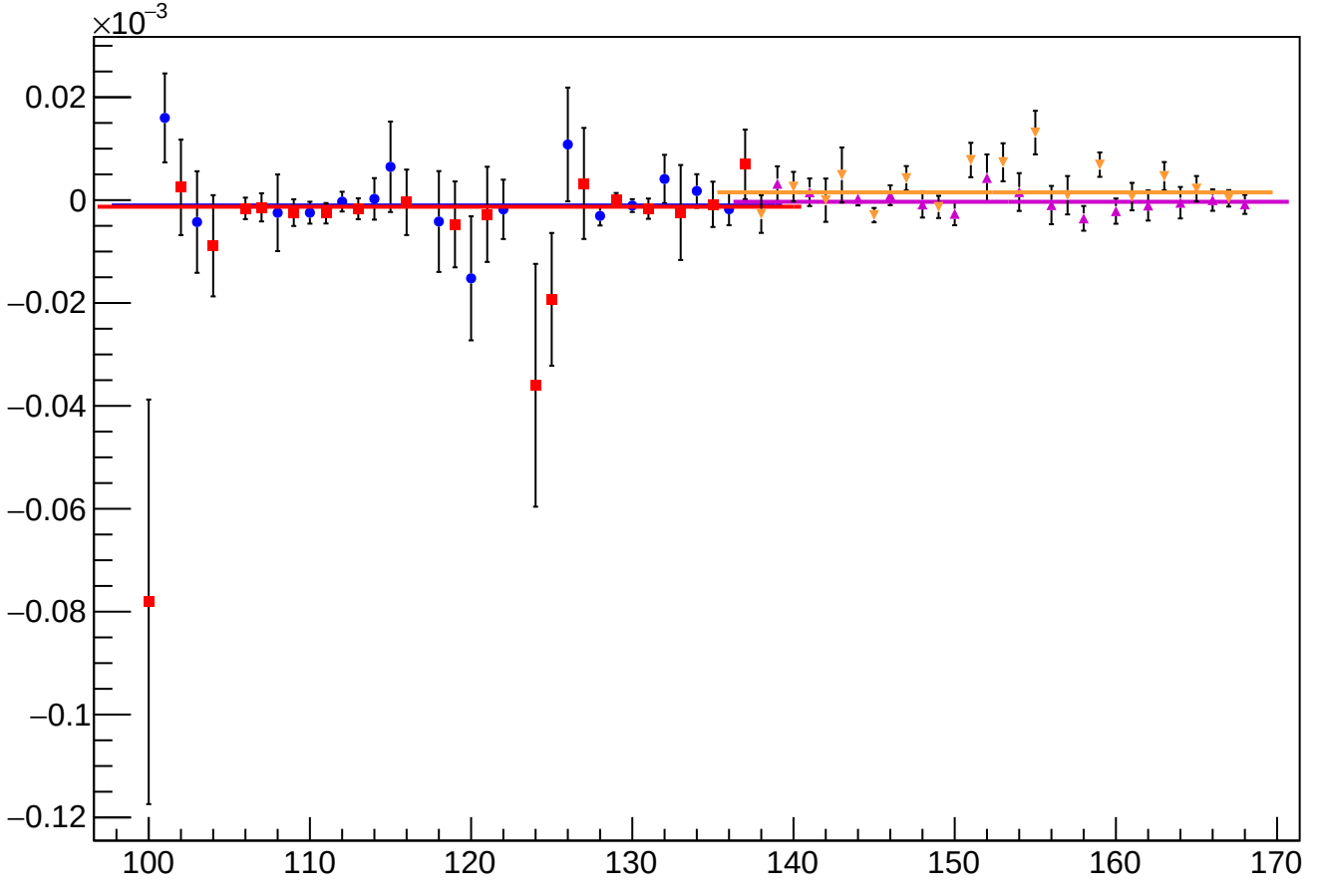
Left: 24.207+/-0.005 χ^2/NDF: 14724705.6/30

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.463+/-0.006 χ^2/NDF:11800970.5/30

Out: 31.422+/-0.007 χ^2/NDF:12524750.4/34

All: 28.593+/-0.004 χ^2/NDF: 24641924.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/14

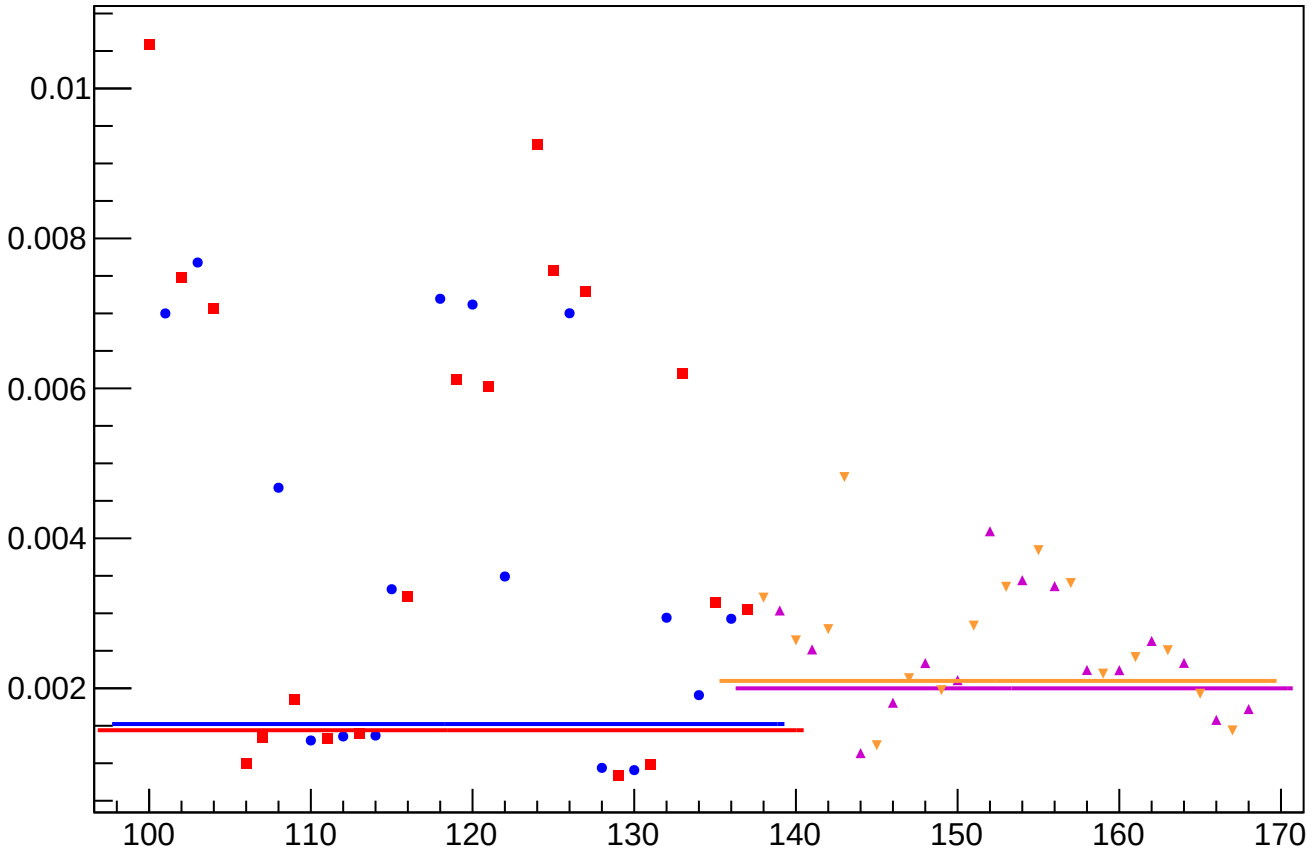
Left: 0.000+/-0.000 χ^2/NDF: 47.4/30

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.0/30

Out: 0.000+/-0.000 χ^2/NDF:57.1/34

All: -0.000+/-0.000 χ^2/NDF: 77.8/65



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2922315.4/15

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2475424.8/14

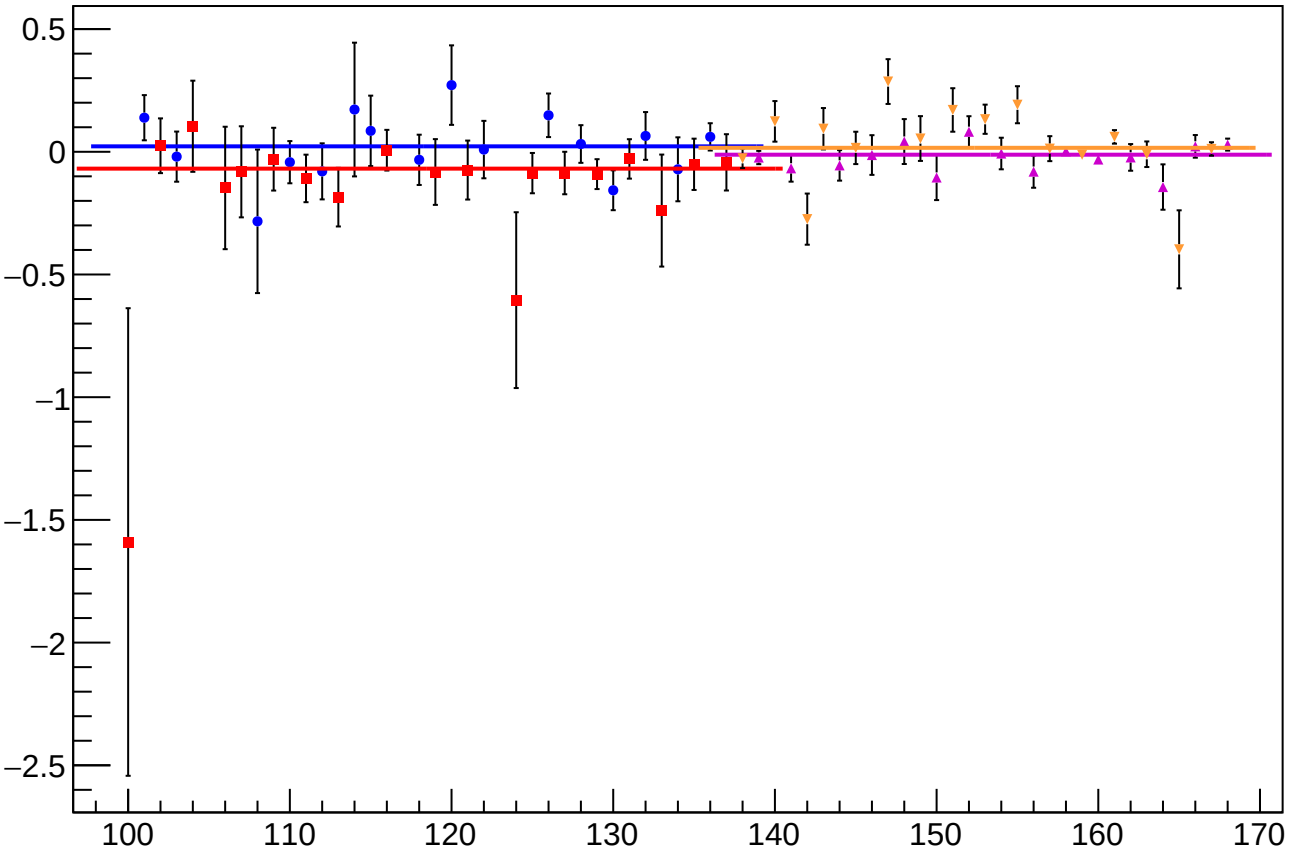
Left: 0.002+/-0.000 χ^2/NDF: 5423274.1/30

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8154466.3/30

Out: 0.002+/-0.000 χ^2/NDF:9683719.0/34

All: 0.002+/-0.000 χ^2/NDF: 17838320.4/65



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.009 χ^2/NDF:14.0/14

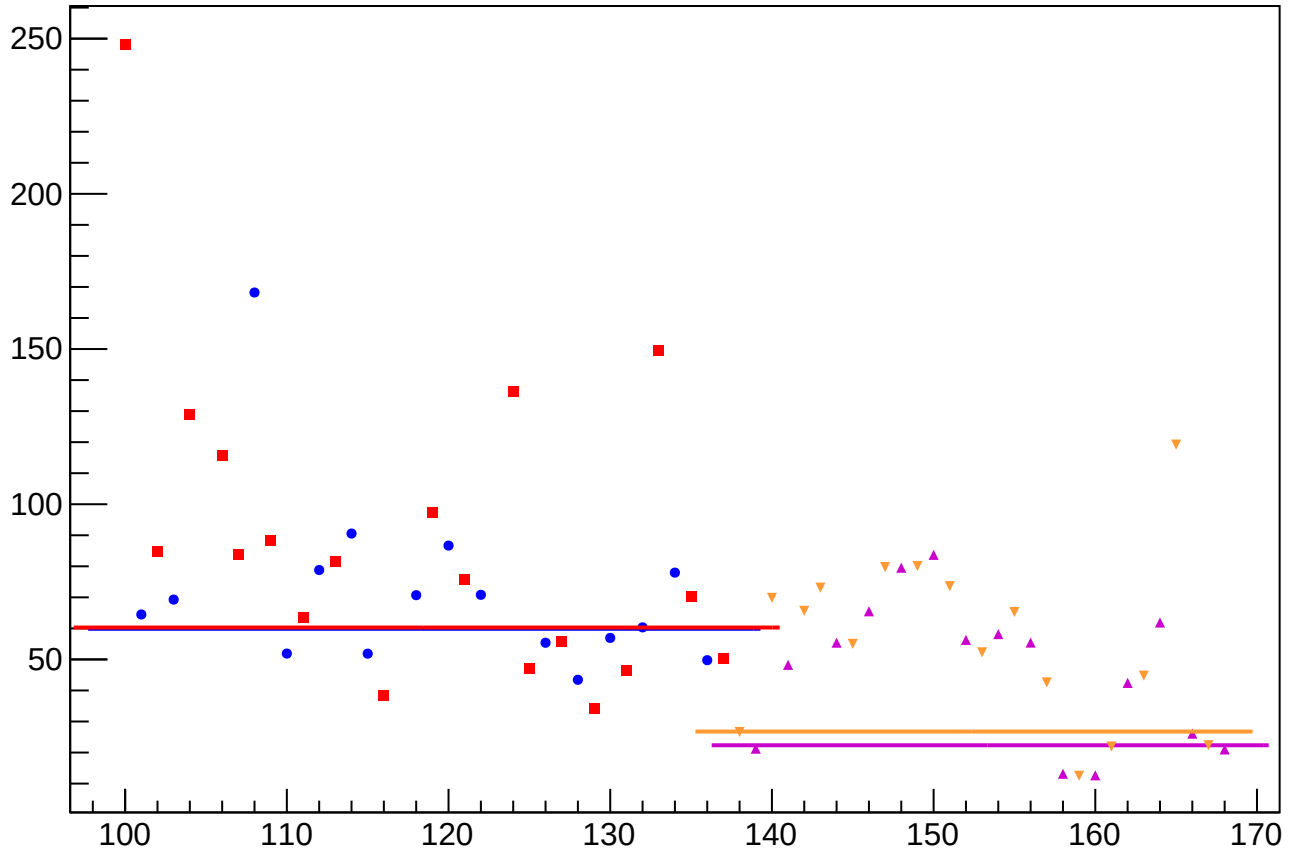
Left: -0.000+/-0.007 χ^2/NDF: 64.1/30

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:31.2/30

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.003+/-0.006 χ^2/NDF: 97.2/65



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.344+/-0.006 χ^2/NDF:6984749.7/14

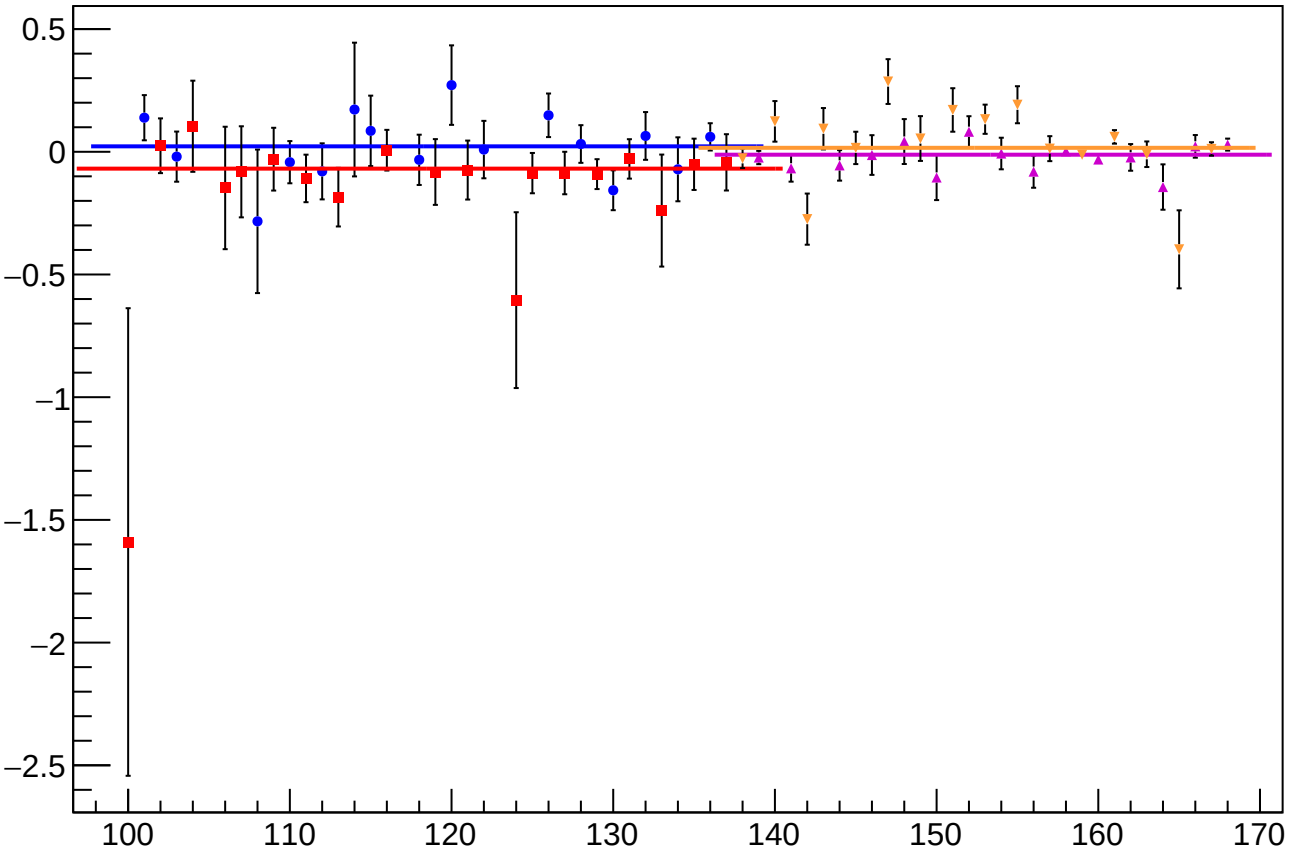
Left: 24.206+/-0.005 χ^2/NDF: 14725882.3/30

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.462+/-0.006 χ^2/NDF:11801558.4/30

Out: 31.420+/-0.007 χ^2/NDF:12526158.5/34

All: 28.592+/-0.004 χ^2/NDF: 24643752.8/65



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.016+/-0.010 χ^2/NDF:45.7/15

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.009 χ^2/NDF:14.0/14

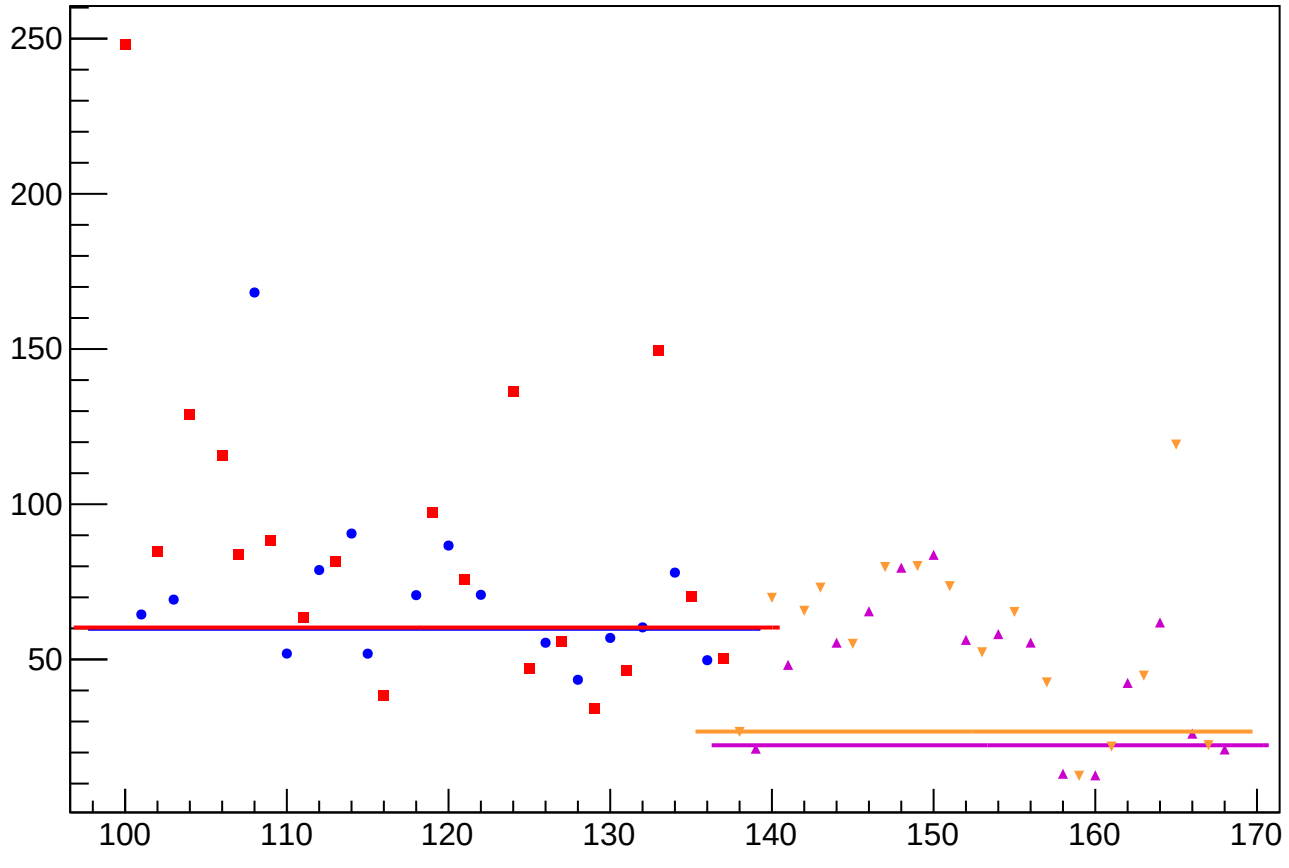
Left: -0.000+/-0.007 χ^2/NDF: 64.1/30

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:31.2/30

Out: 0.004+/-0.009 χ^2/NDF:65.0/34

All: -0.003+/-0.006 χ^2/NDF: 97.2/65



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.765+/-0.007 χ^2/NDF:7521720.5/15

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.344+/-0.006 χ^2/NDF:6984749.7/14

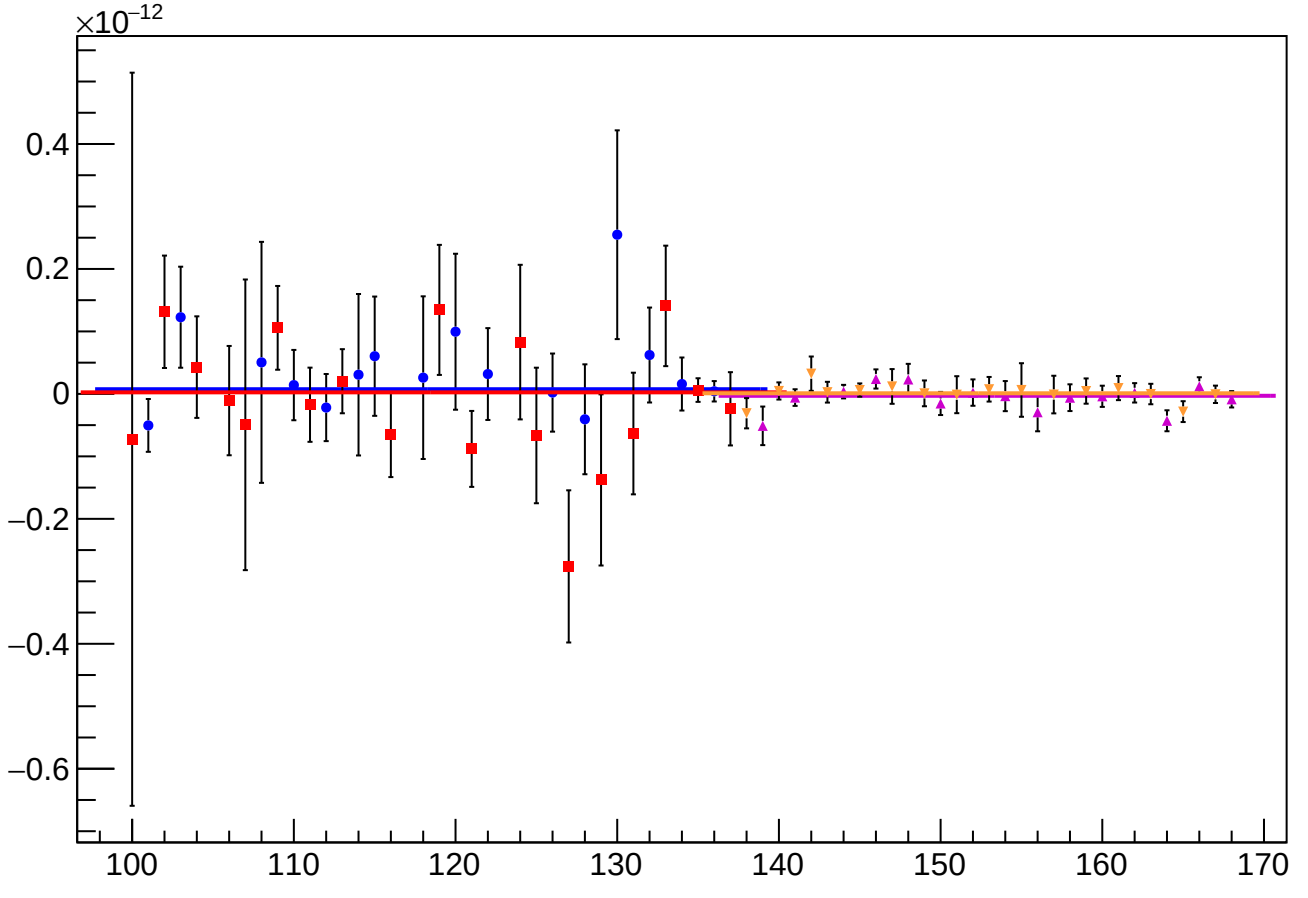
Left: 24.206+/-0.005 χ^2/NDF: 14725882.3/30

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.462+/-0.006 χ^2/NDF:11801558.4/30

Out: 31.420+/-0.007 χ^2/NDF:12526158.5/34

All: 28.592+/-0.004 χ^2/NDF: 24643752.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/14

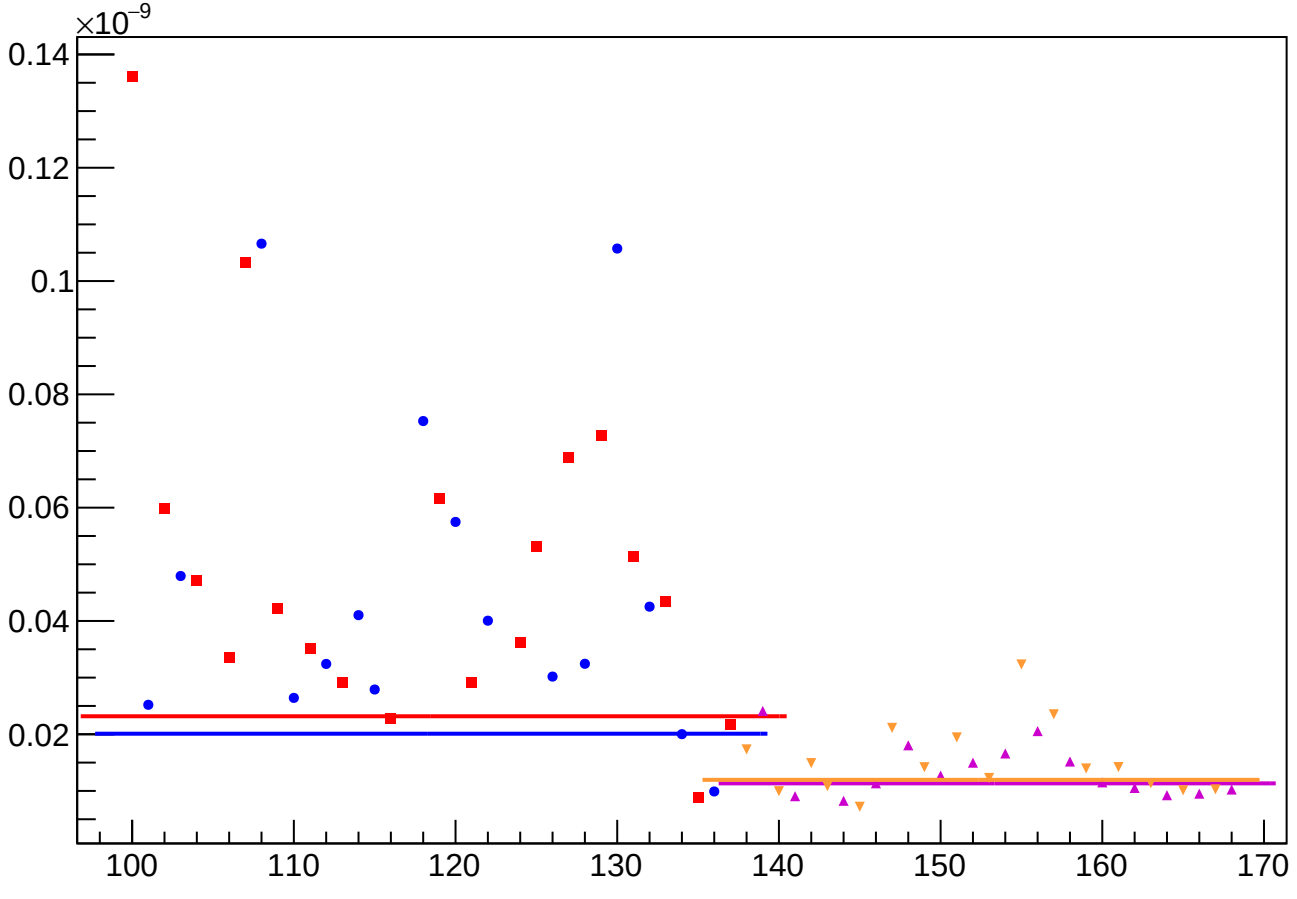
Left: -0.000+/-0.000 χ^2/NDF: 22.7/30

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.4/30

Out: 0.000+/-0.000 χ^2/NDF:26.7/34

All: -0.000+/-0.000 χ^2/NDF: 51.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1793655.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1203361.1/14

Left: 0.000+/-0.000 χ^2/NDF: 3016543.7/30

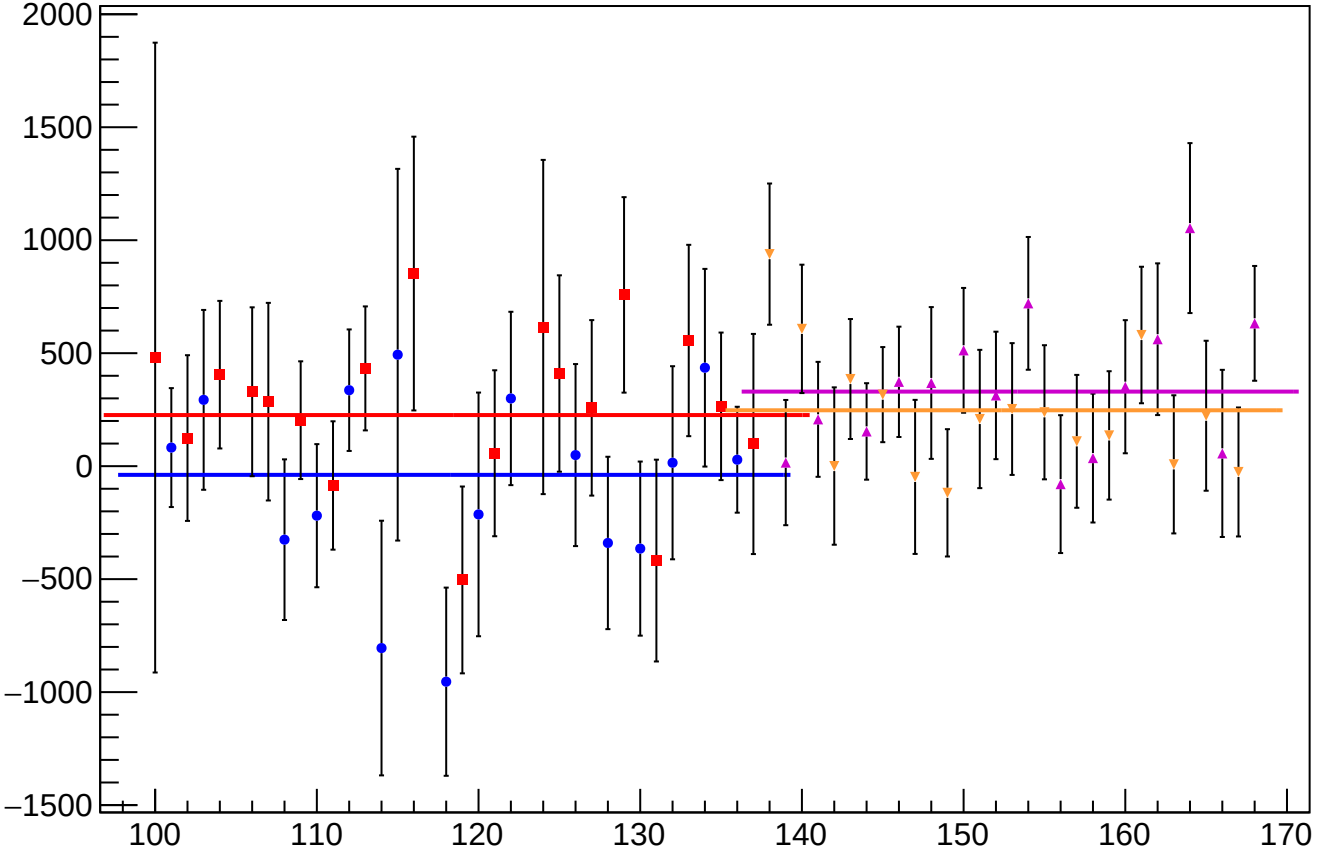
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:5248829.8/30

Out: 0.000+/-0.000 χ^2/NDF:6559413.7/34

All: 0.000+/-0.000 χ^2/NDF: 11843165.8/65

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.292+/-72.623 χ^2/NDF:12.9/15

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 329.968+/-73.199 χ^2/NDF:13.5/14

Left: 288.304+/-51.555 χ^2/NDF: 27.1/30

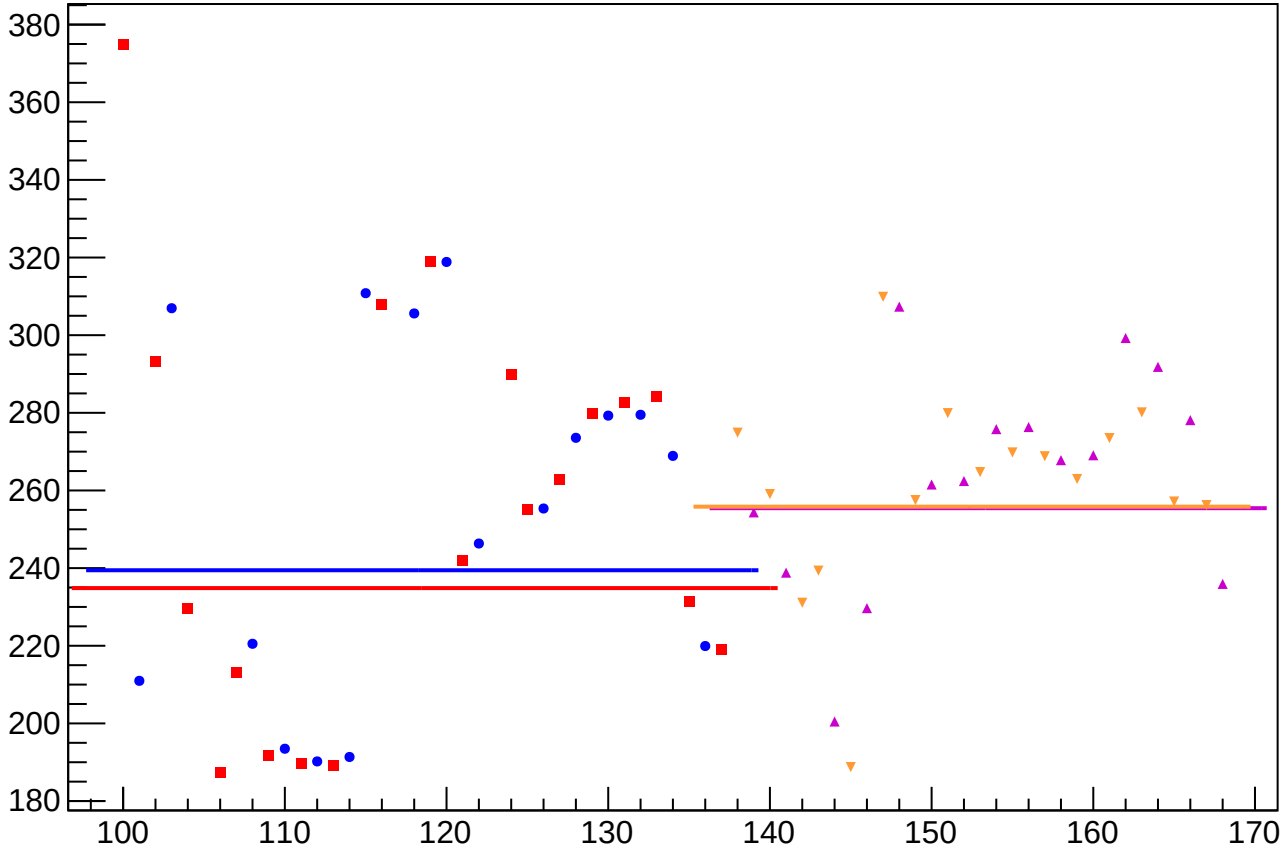
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 184.478+/-56.942 χ^2/NDF:37.9/30

Out: 238.723+/-55.988 χ^2/NDF:24.4/34

All: 212.059+/-39.923 χ^2/NDF: 62.8/65

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

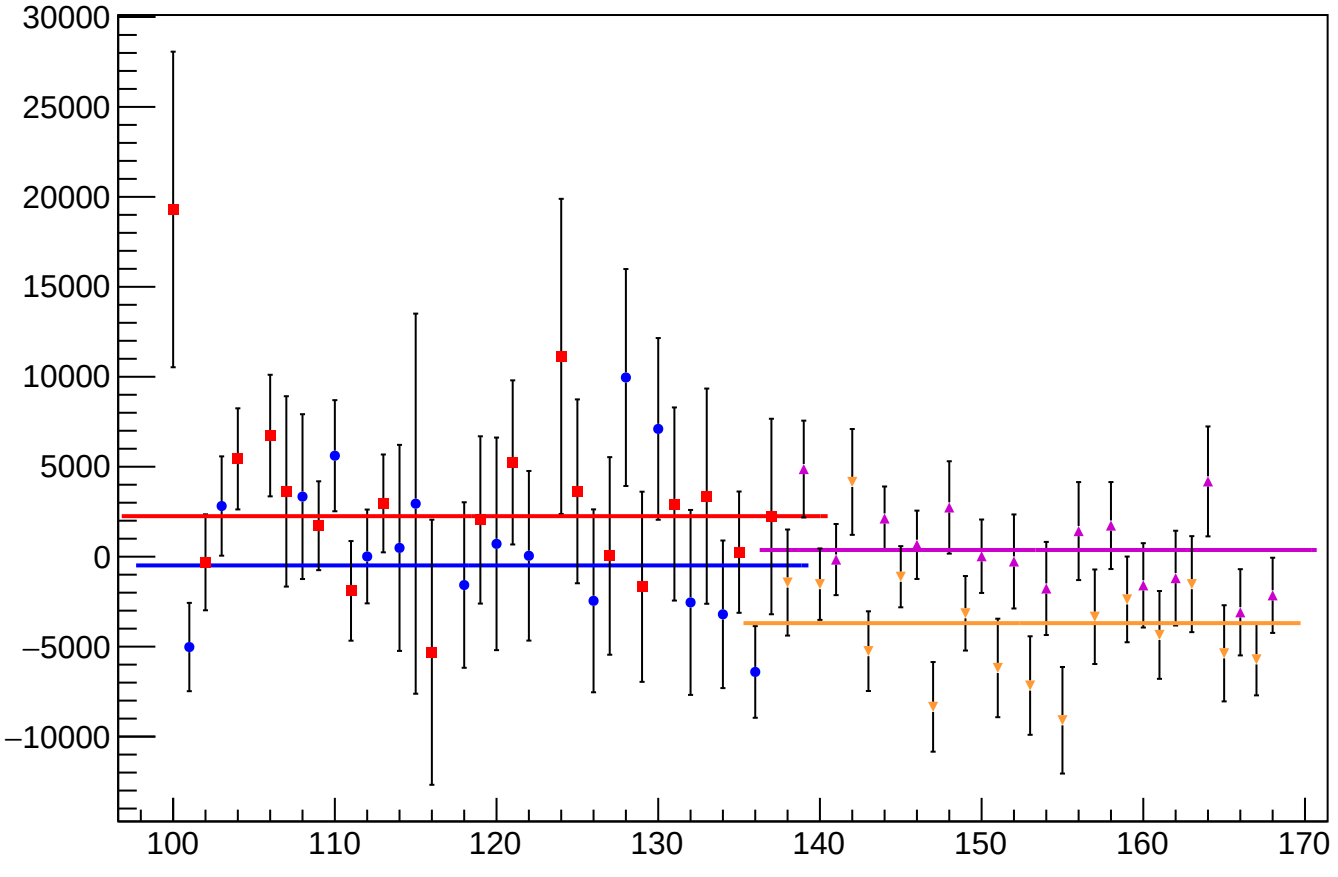
Left: 255.633+/-0.036 χ^2/NDF: 634827.1/30

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.124+/-0.040 χ^2/NDF:751061.5/30

Out: 247.320+/-0.040 χ^2/NDF:871737.6/34

All: 248.206+/-0.028 χ^2/NDF: 1623819.8/65



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3693.897+/-594.559 χ^2/NDF:23.5/15

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 372.028+/-595.812 χ^2/NDF:12.1/14

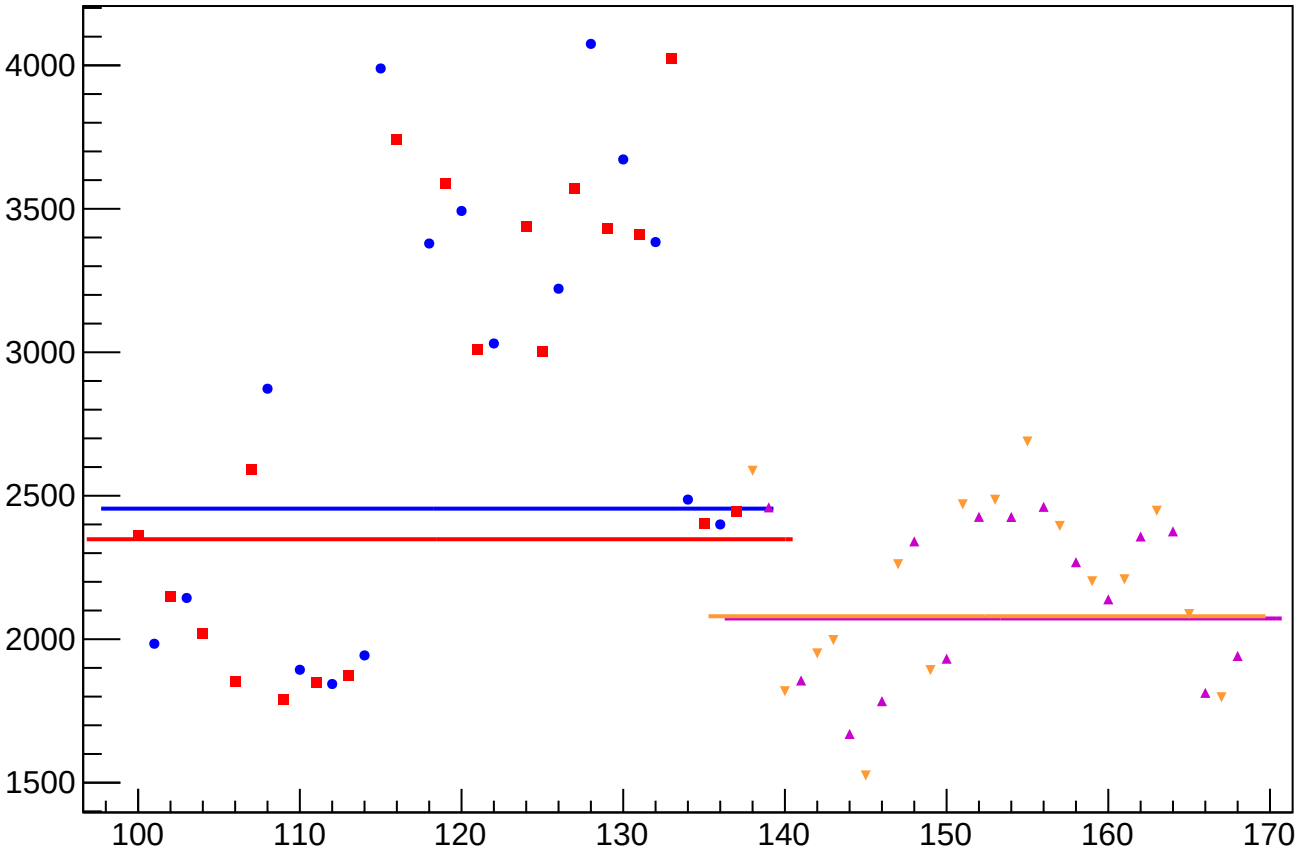
Left: -1665.213+/-420.859 χ^2/NDF: 58.9/30

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 128.893+/-504.372 χ^2/NDF:33.8/30

Out: -1871.033+/-495.100 χ^2/NDF:68.0/34

All: -889.622+/-353.321 χ^2/NDF: 109.8/65



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627107.3/15

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2072.282+/-0.421 χ^2/NDF:449228.7/14

Left: 2076.154+/-0.298 χ^2/NDF: 1076504.5/30

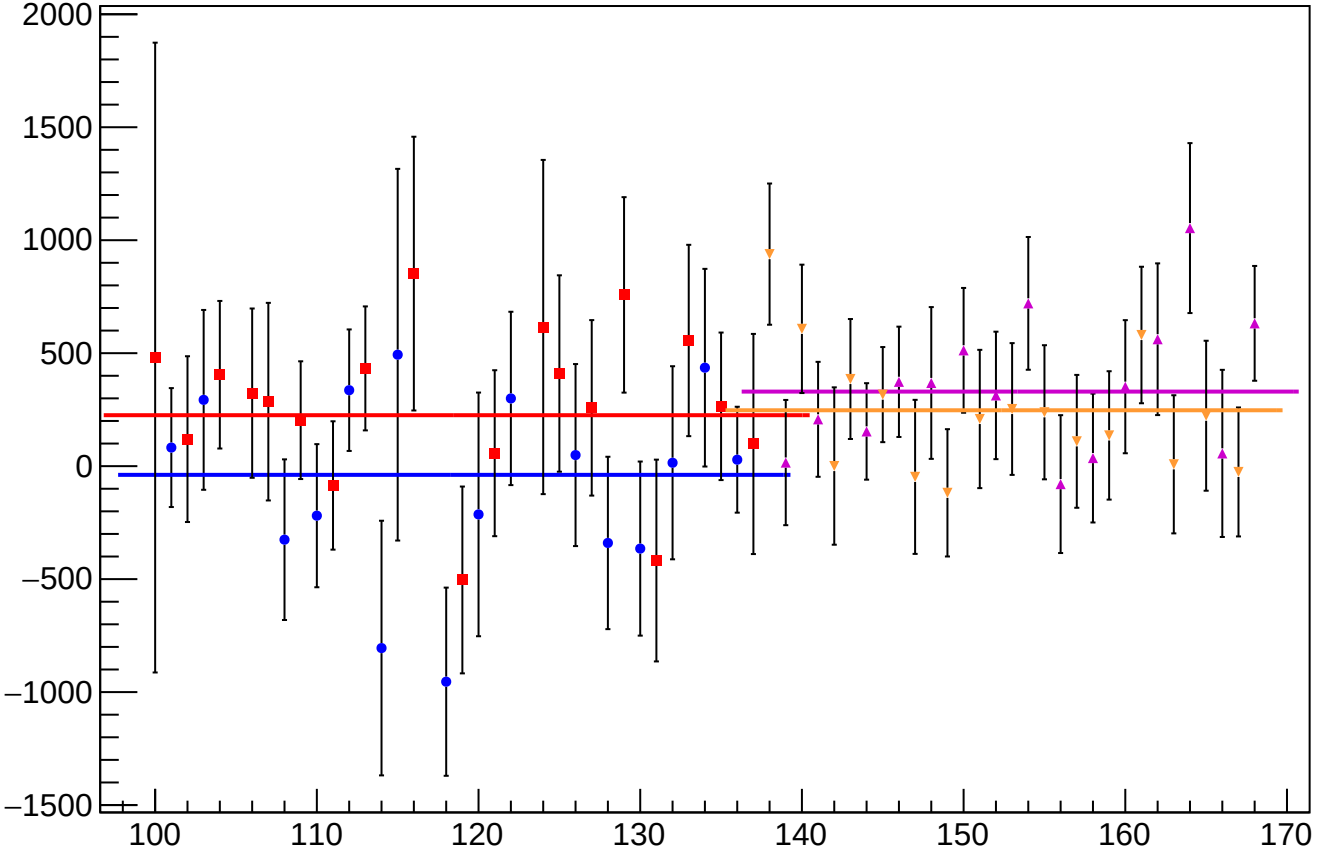
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2180.769+/-0.357 χ^2/NDF:1577601.2/30

Out: 2162.306+/-0.350 χ^2/NDF:1804517.9/34

All: 2171.366+/-0.250 χ^2/NDF: 3383483.8/65

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 329.971+/-73.199 χ^2/NDF:13.5/14

Left: 288.310+/-51.555 χ^2/NDF: 27.1/30

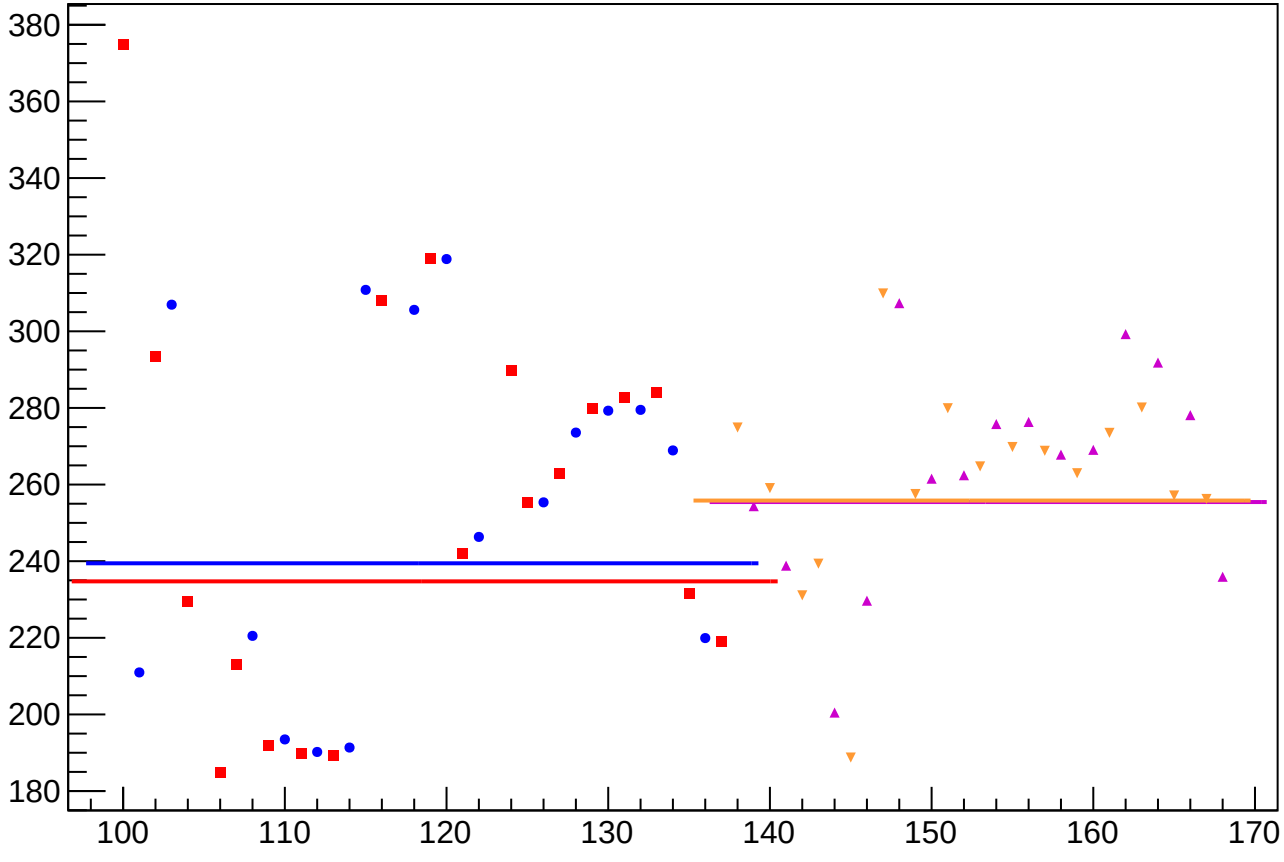
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 184.471+/-56.942 χ^2/NDF:37.9/30

Out: 238.466+/-55.992 χ^2/NDF:24.4/34

All: 211.923+/-39.924 χ^2/NDF: 62.8/65

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

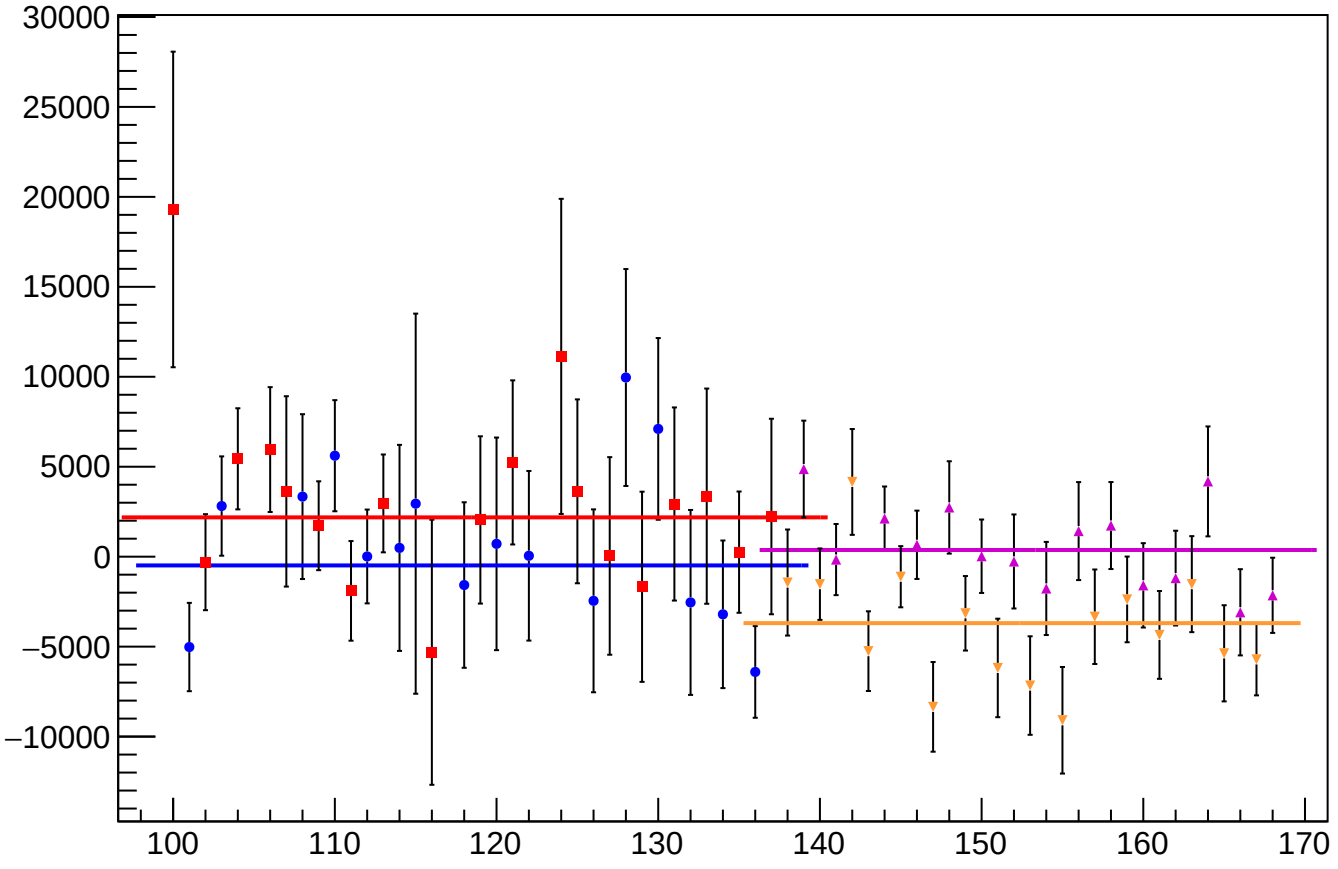
Left: 255.633+/-0.036 χ^2/NDF: 634827.1/30

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.124+/-0.040 χ^2/NDF:751063.6/30

Out: 247.272+/-0.040 χ^2/NDF:876035.6/34

All: 248.182+/-0.028 χ^2/NDF: 1628174.7/65



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 372.049+/-595.812 χ^2/NDF:12.1/14

Left: -1665.196+/-420.859 χ^2/NDF: 58.9/30

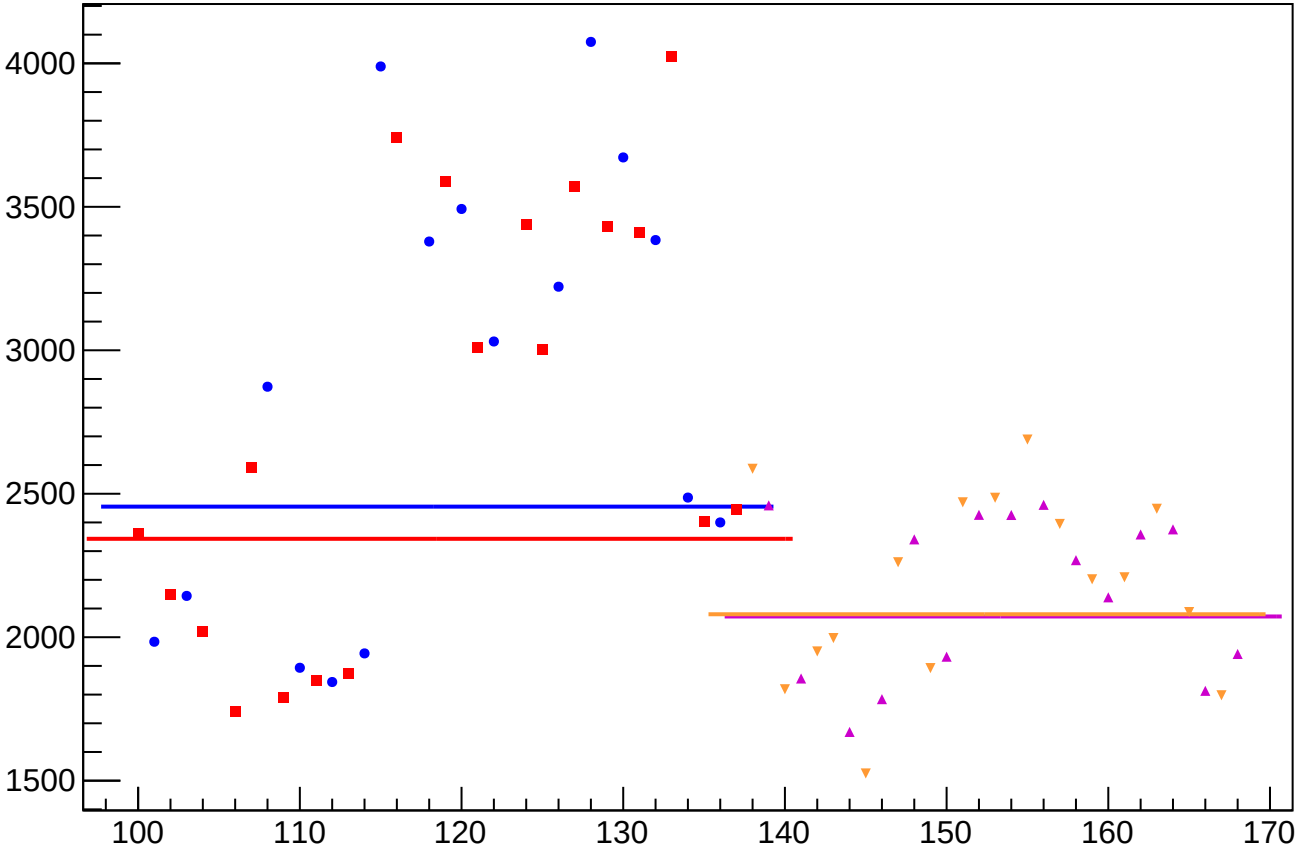
Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 128.862+/-504.373 χ^2/NDF:33.8/30

Out: -1896.302+/-495.386 χ^2/NDF:66.6/34

All: -901.923+/-353.426 χ^2/NDF: 108.6/65

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.283+/-0.421 χ^2/NDF:449226.4/14

Left: 2076.154+/-0.298 χ^2/NDF: 1076504.4/30

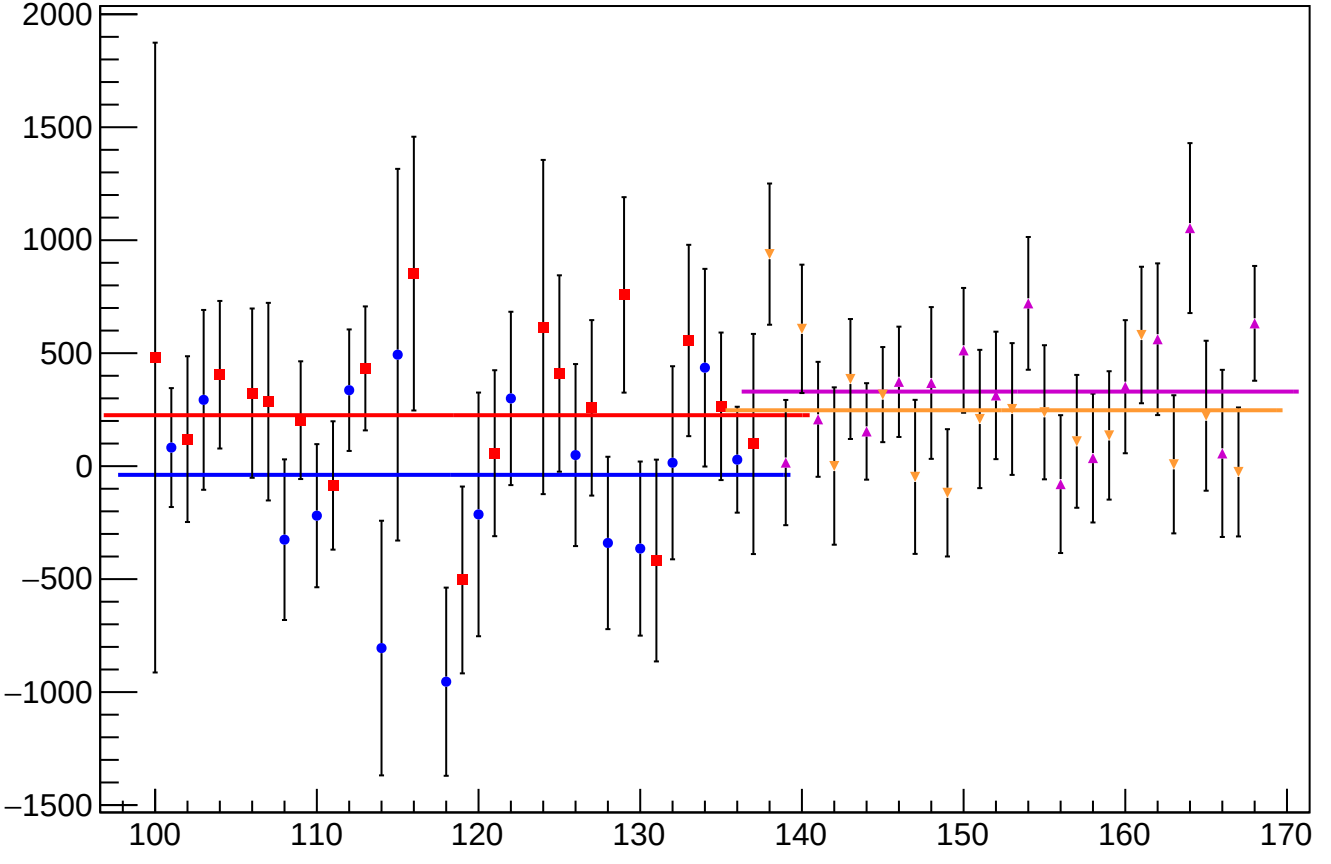
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2180.775+/-0.357 χ^2/NDF:1577593.3/30

Out: 2160.411+/-0.350 χ^2/NDF:1817111.9/34

All: 2170.410+/-0.250 χ^2/NDF: 3396364.6/65

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 247.303+/-72.623 χ^2/NDF:12.9/15

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 329.971+/-73.199 χ^2/NDF:13.5/14

Left: 288.310+/-51.555 χ^2/NDF: 27.1/30

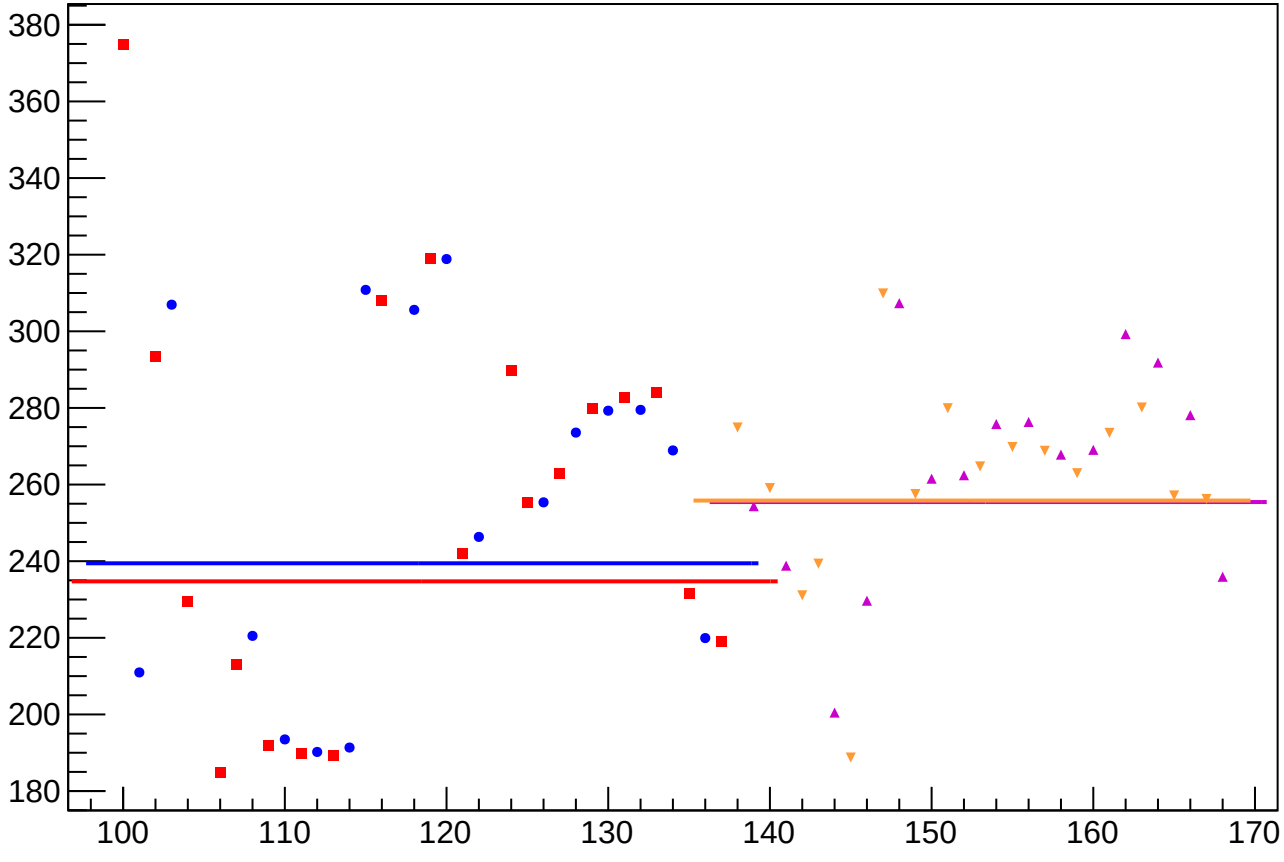
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 184.471+/-56.942 χ^2/NDF:37.9/30

Out: 238.466+/-55.992 χ^2/NDF:24.4/34

All: 211.923+/-39.924 χ^2/NDF: 62.8/65

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.827+/-0.051 χ^2/NDF:322364.2/15

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 255.436+/-0.052 χ^2/NDF:312434.3/14

Left: 255.633+/-0.036 χ^2/NDF: 634827.1/30

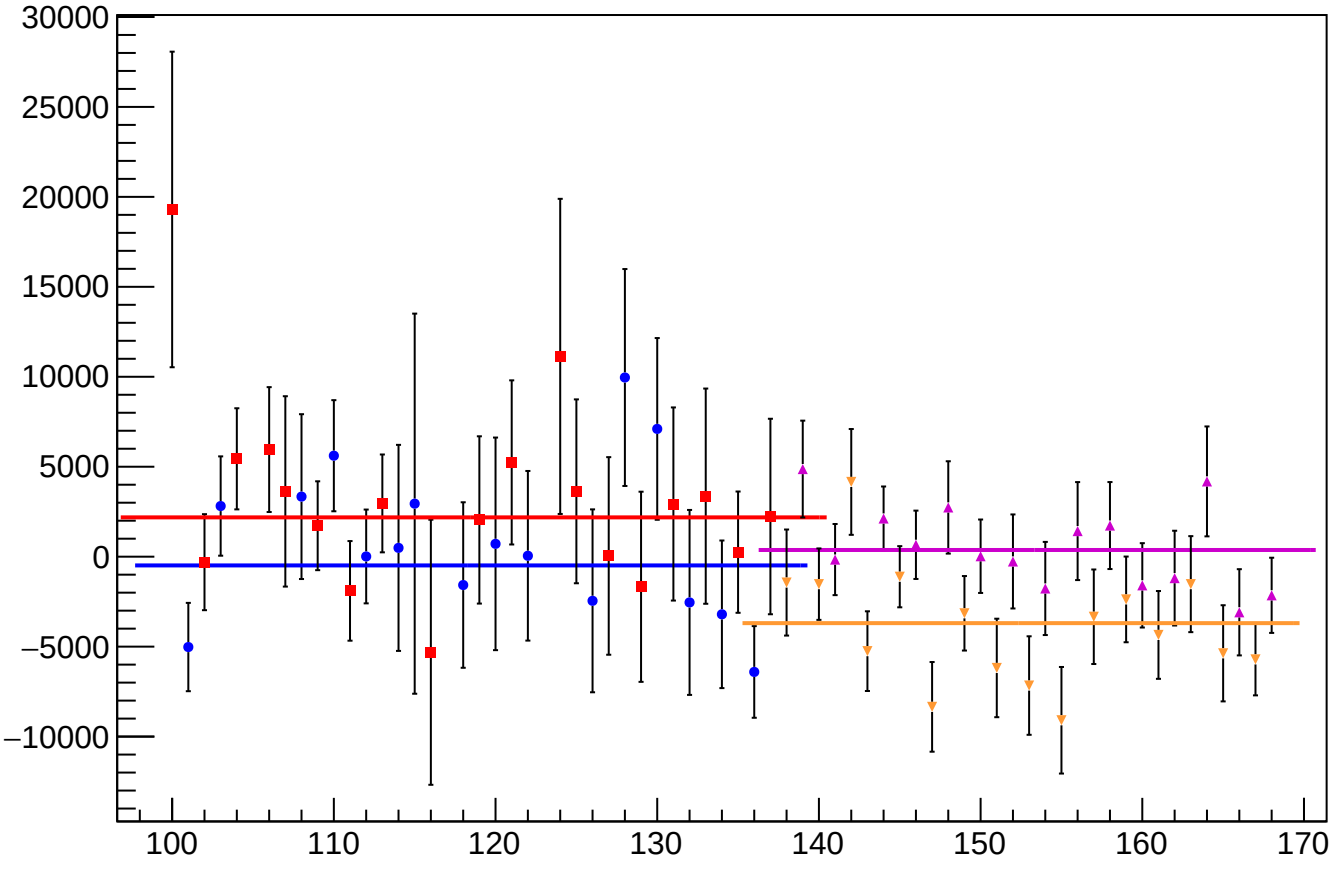
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.124+/-0.040 χ^2/NDF:751063.6/30

Out: 247.272+/-0.040 χ^2/NDF:876035.6/34

All: 248.182+/-0.028 χ^2/NDF: 1628174.7/65

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3693.880+/-594.559 χ^2/NDF:23.5/15

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 372.049+/-595.812 χ^2/NDF:12.1/14

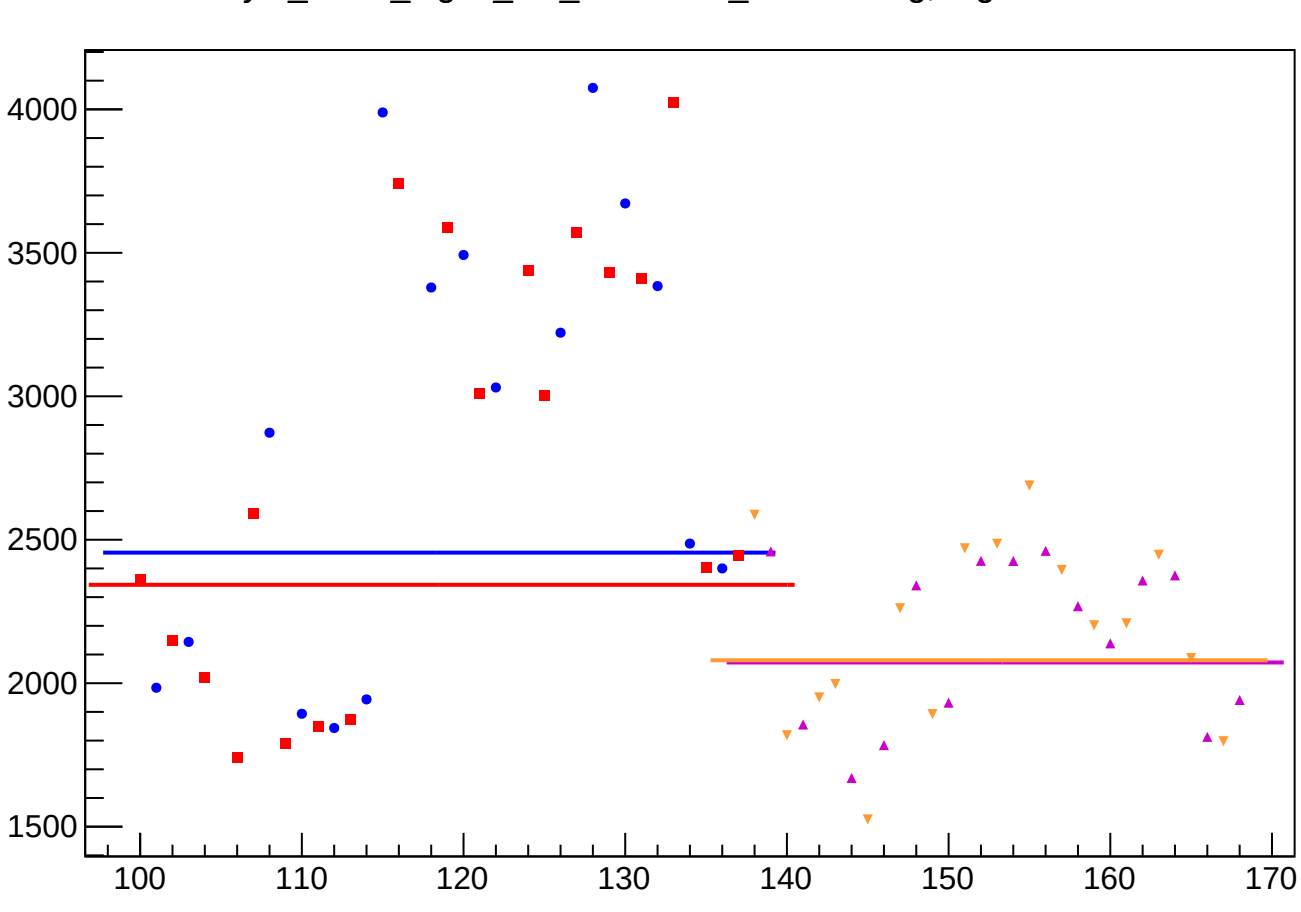
Left: -1665.196+/-420.859 χ^2/NDF: 58.9/30

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 128.862+/-504.373 χ^2/NDF:33.8/30

Out: -1896.302+/-495.386 χ^2/NDF:66.6/34

All: -901.923+/-353.426 χ^2/NDF: 108.6/65



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2080.008+/-0.420 χ^2/NDF:627109.6/15

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.283+/-0.421 χ^2/NDF:449226.4/14

Left: 2076.154+/-0.298 χ^2/NDF: 1076504.4/30

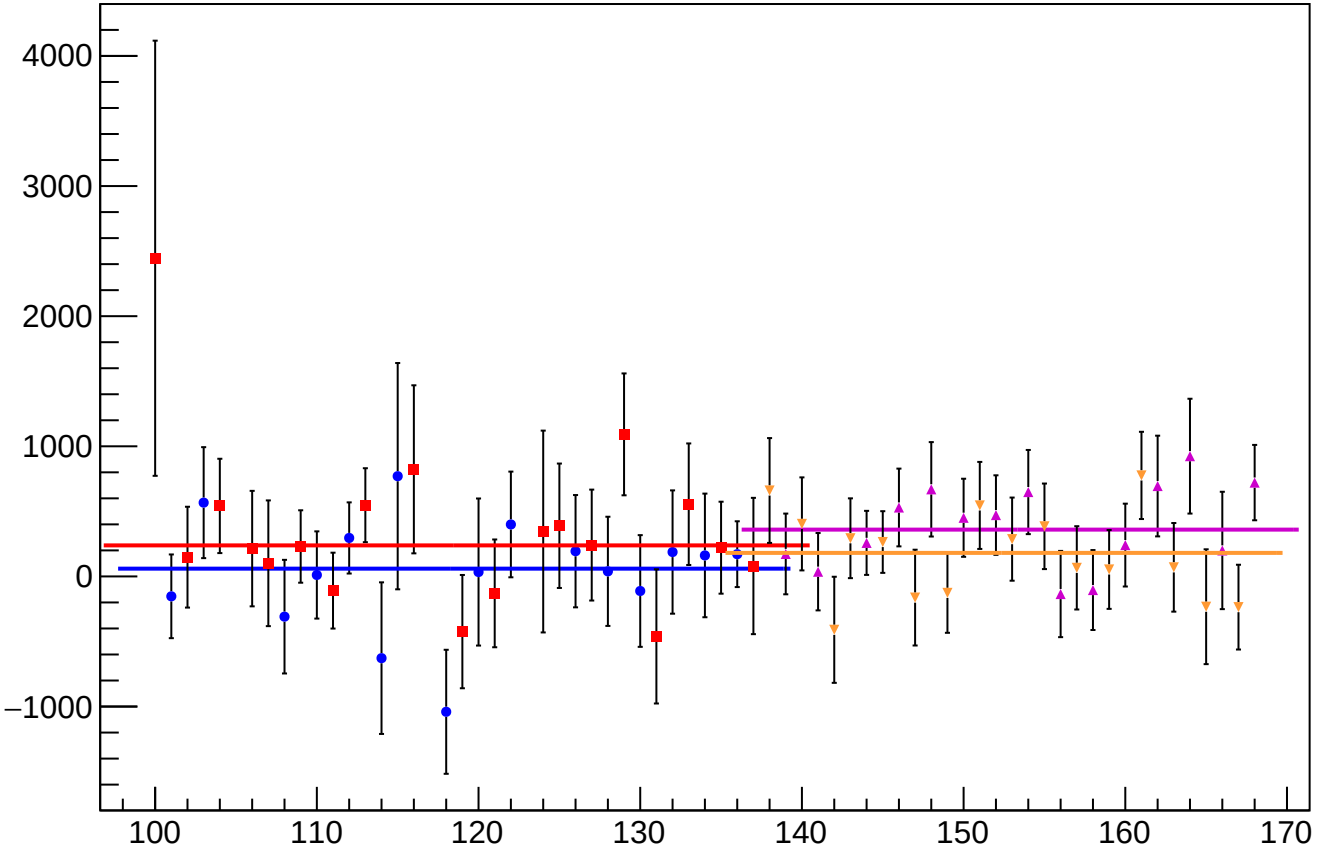
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2180.775+/-0.357 χ^2/NDF:1577593.3/30

Out: 2160.411+/-0.350 χ^2/NDF:1817111.9/34

All: 2170.410+/-0.250 χ^2/NDF: 3396364.6/65

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 180.830+/-82.428 χ^2/NDF:13.8/15

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 359.688+/-82.583 χ^2/NDF:12.5/14

Left: 270.090+/-58.340 χ^2/NDF: 28.7/30

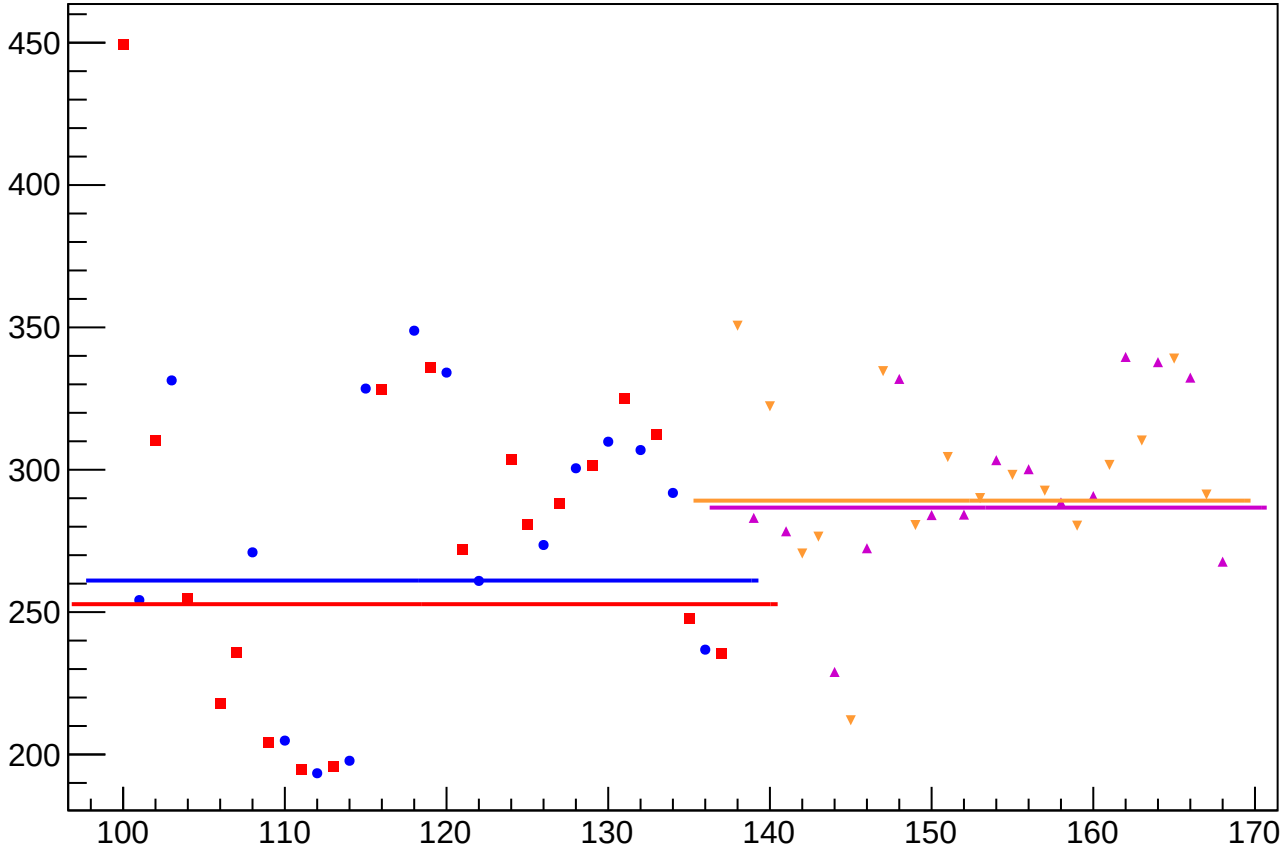
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 236.943+/-63.476 χ^2/NDF:29.9/30

Out: 205.587+/-62.277 χ^2/NDF:29.0/34

All: 220.966+/-44.454 χ^2/NDF: 59.0/65

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.157+/-0.058 χ^2/NDF:359169.1/15

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.701+/-0.058 χ^2/NDF:250066.1/14

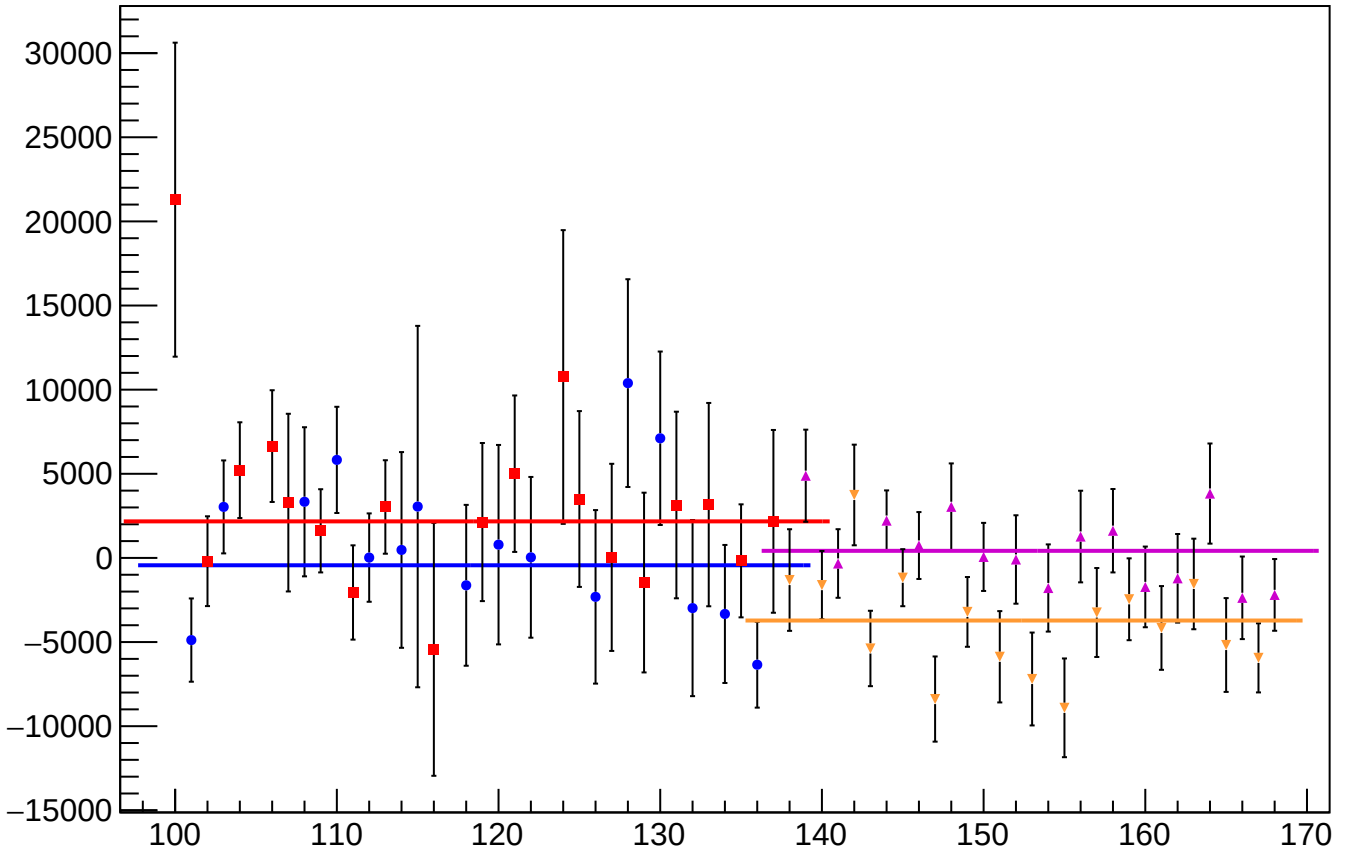
Left: 287.931+/-0.041 χ^2/NDF: 610120.7/30

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 276.221+/-0.045 χ^2/NDF:791449.6/30

Out: 273.548+/-0.044 χ^2/NDF:1063566.7/34

All: 274.859+/-0.031 χ^2/NDF: 1856823.2/65



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3719.876+/-601.757 χ^2/NDF:22.0/15

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 421.354+/-603.991 χ^2/NDF:11.3/14

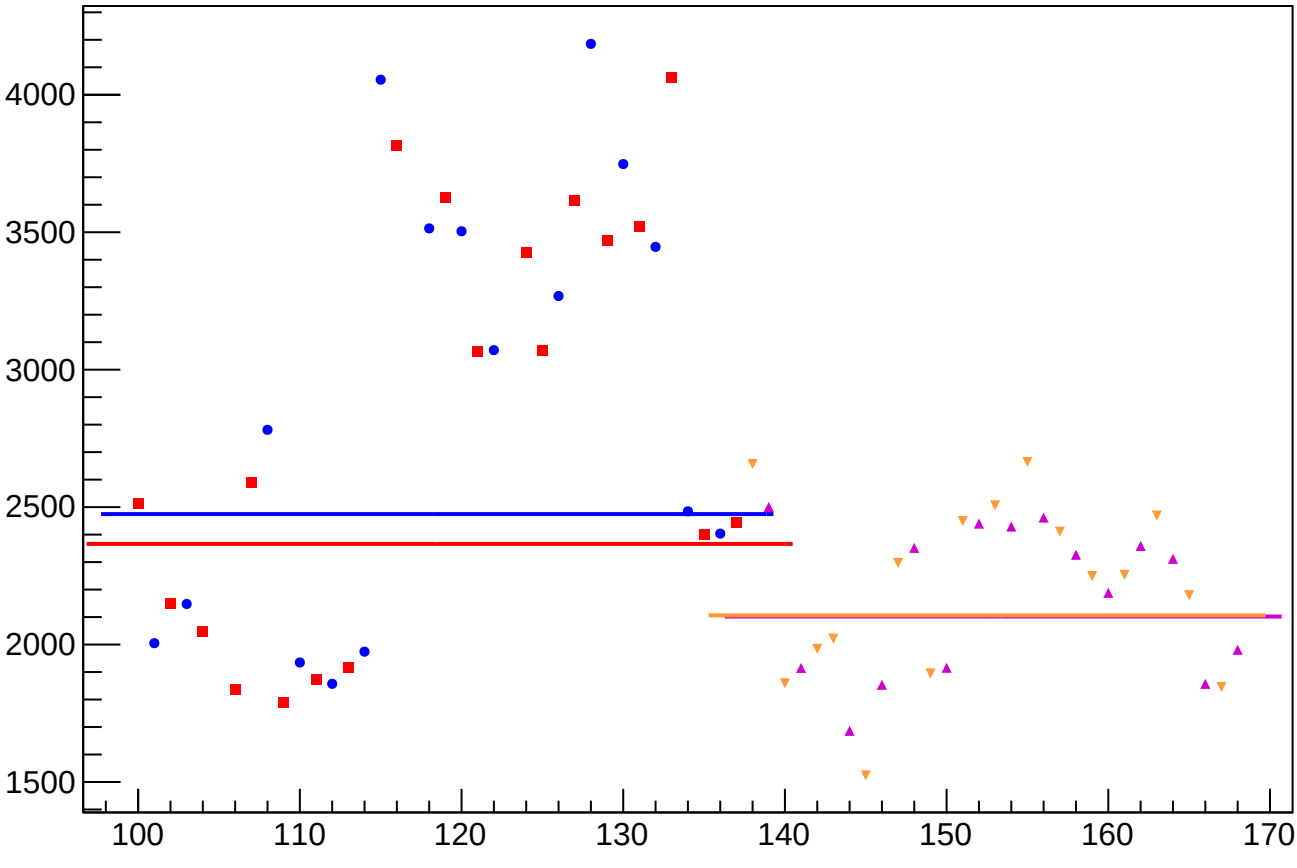
Left: -1656.932+/-426.294 χ^2/NDF: 56.8/30

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 176.238+/-510.487 χ^2/NDF:33.1/30

Out: -1902.690+/-500.430 χ^2/NDF:65.5/34

All: -883.906+/-357.360 χ^2/NDF: 107.0/65



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2106.482+/-0.426 χ^2/NDF:627330.9/15

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2101.929+/-0.427 χ^2/NDF:407858.8/14

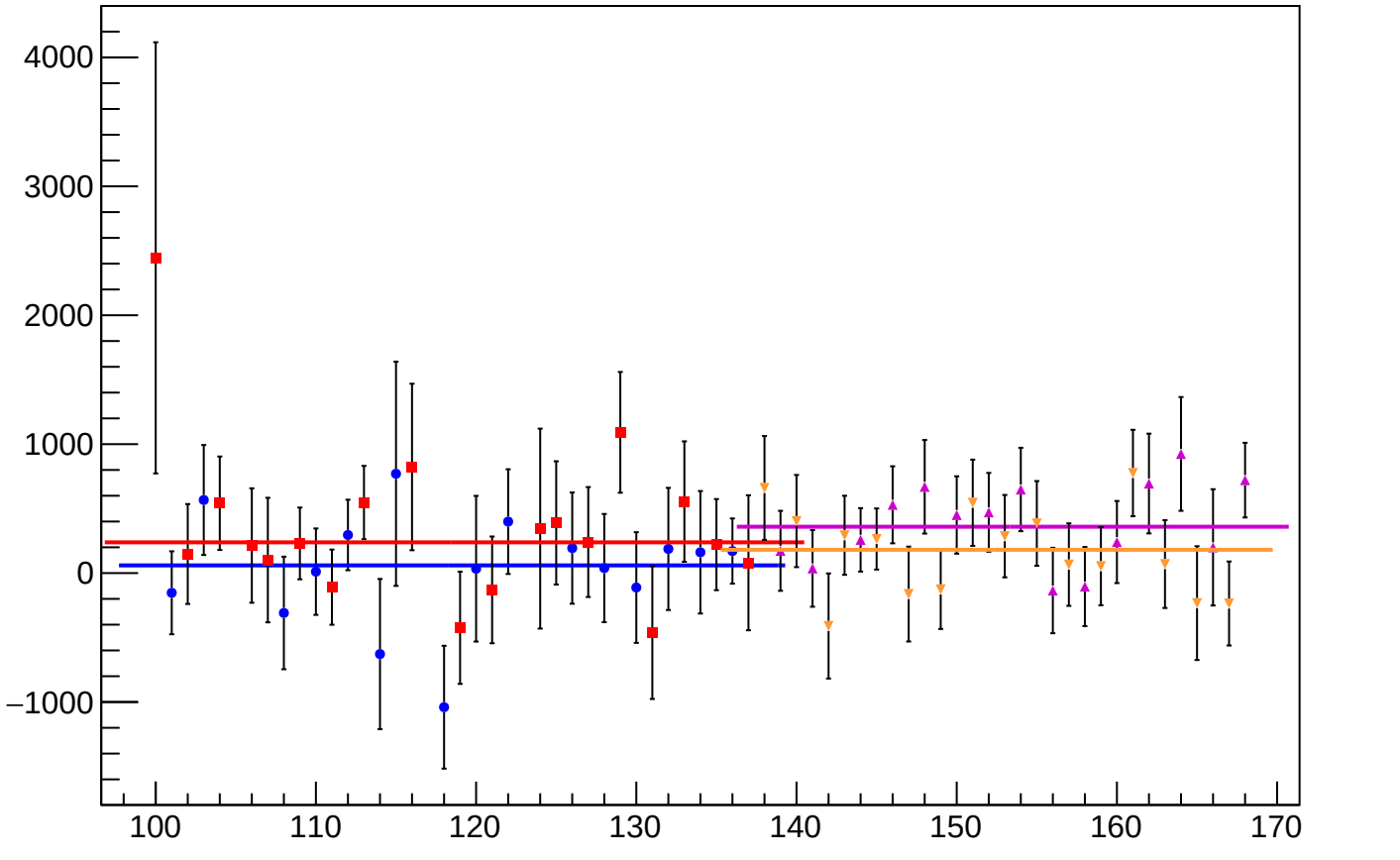
Left: 2104.214+/-0.301 χ^2/NDF: 1035246.8/30

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

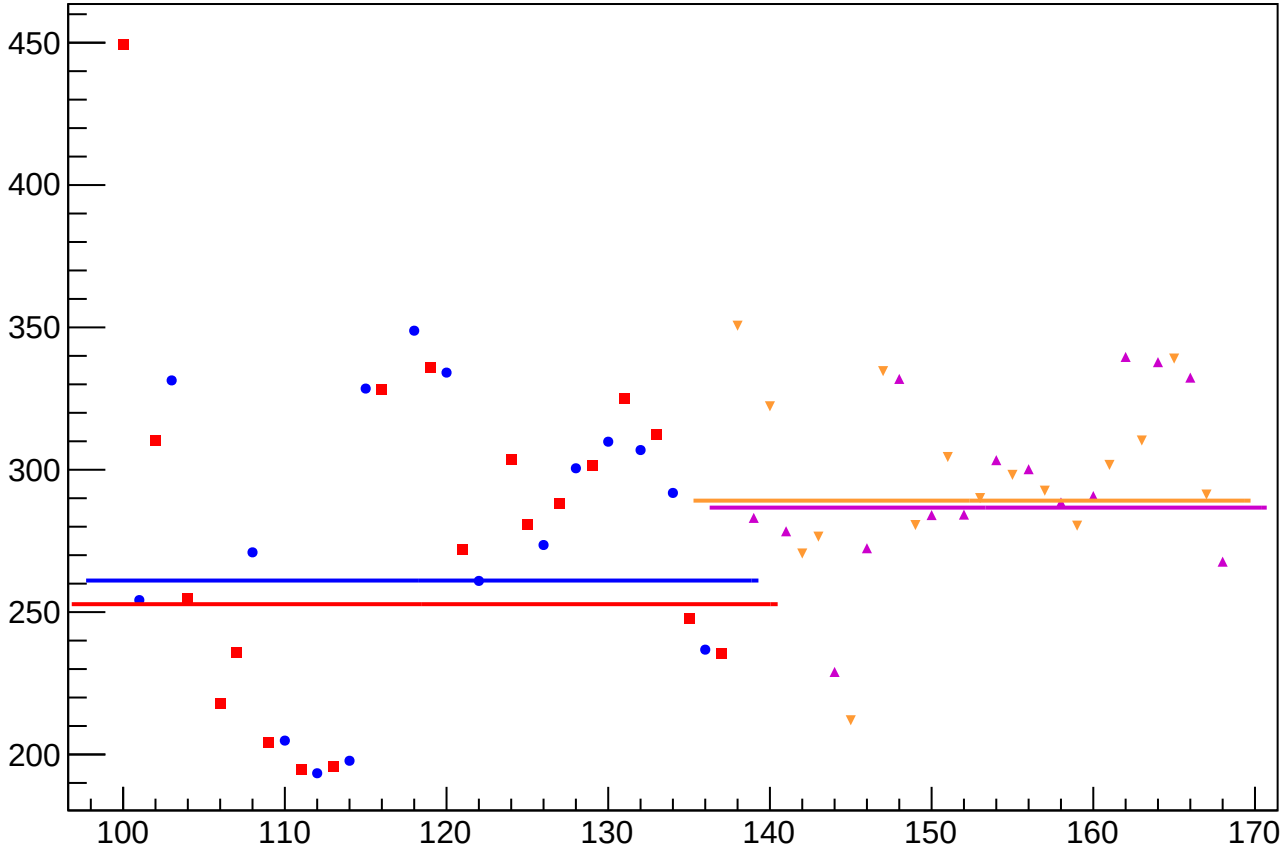
In: 2208.390+/-0.361 χ^2/NDF:1541636.3/30

Out: 2186.590+/-0.354 χ^2/NDF:1819428.1/34

All: 2197.273+/-0.253 χ^2/NDF: 3362924.4/65


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 180.836+/-82.428 χ²/NDF:13.8/15
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 359.689+/-82.583 χ²/NDF:12.5/14
Left: 270.094+/-58.340 χ²/NDF: 28.7/30
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 236.946+/-63.476 χ²/NDF:29.9/30
Out: 205.590+/-62.277 χ²/NDF:29.0/34
All: 220.969+/-44.454 χ²/NDF: 59.0/65

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.157+/-0.058 χ^2/NDF:359165.6/15

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.702+/-0.058 χ^2/NDF:250065.1/14

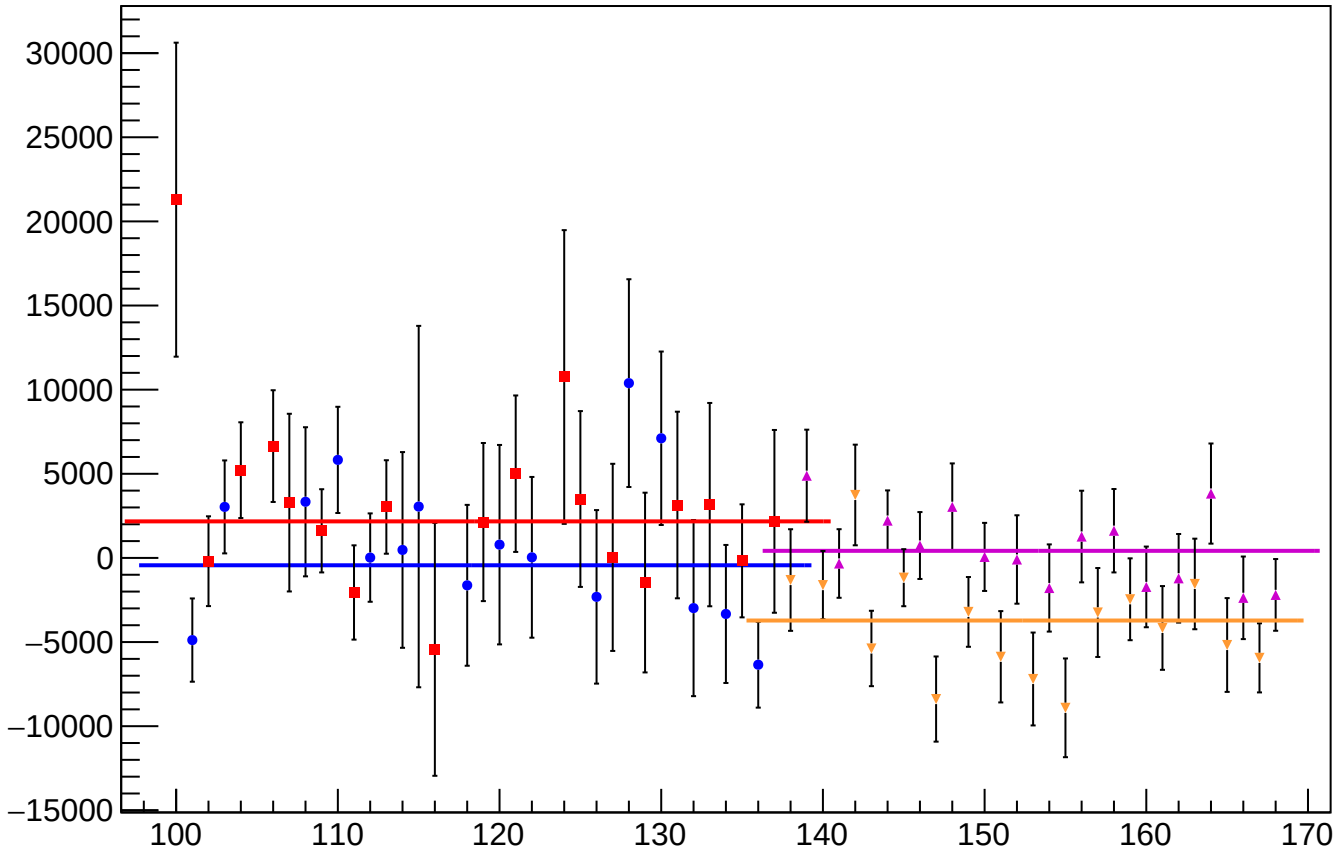
Left: 287.932+/-0.041 χ^2/NDF: 610116.4/30

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 276.221+/-0.045 χ^2/NDF:791453.4/30

Out: 273.548+/-0.044 χ^2/NDF:1063570.7/34

All: 274.859+/-0.031 χ^2/NDF: 1856831.1/65



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3719.868+/-601.757 χ^2/NDF:22.0/15

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 421.352+/-603.990 χ^2/NDF:11.3/14

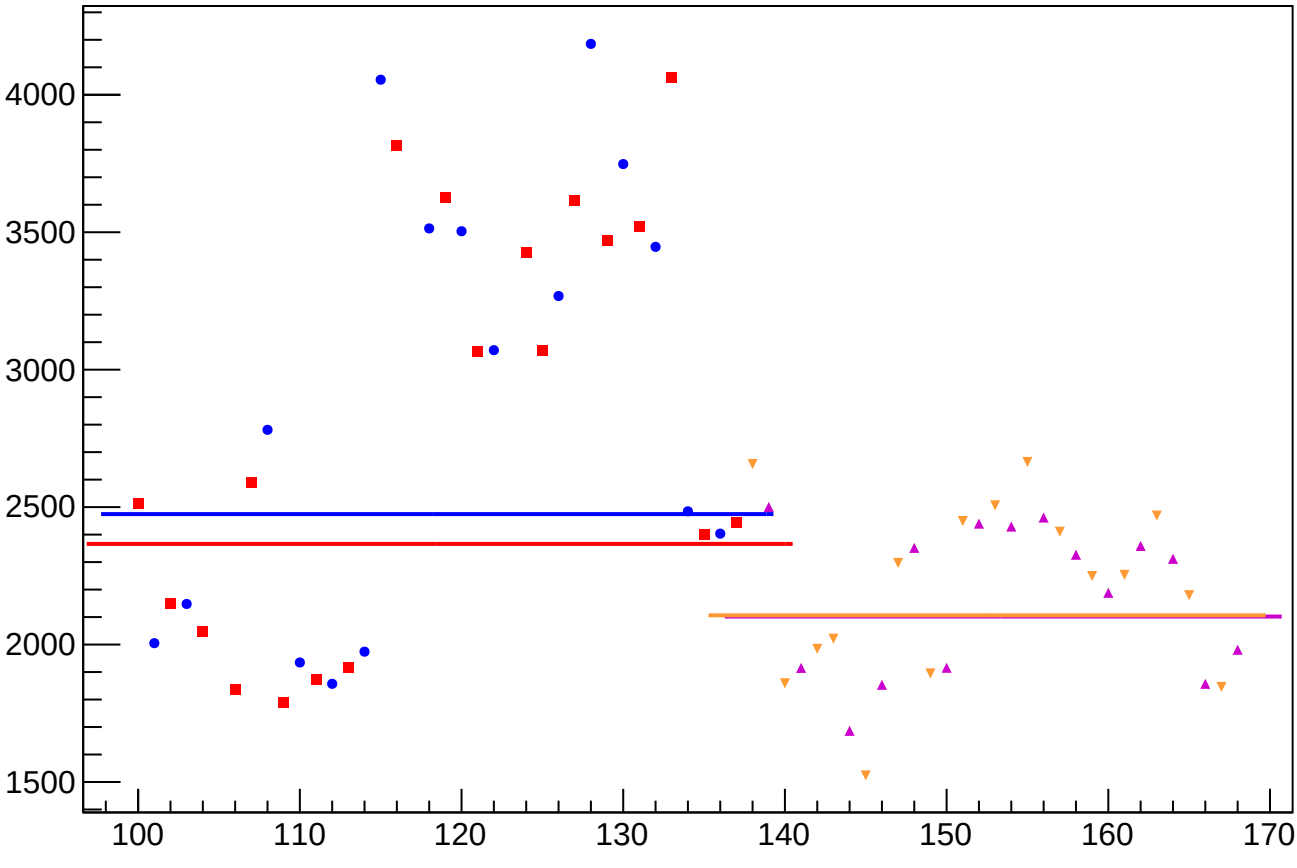
Left: -1656.930+/-426.294 χ^2/NDF: 56.8/30

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 176.237+/-510.487 χ^2/NDF:33.1/30

Out: -1902.686+/-500.430 χ^2/NDF:65.5/34

All: -883.904+/-357.360 χ^2/NDF: 107.0/65



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2106.479+/-0.426 χ^2/NDF:627335.8/15

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2101.927+/-0.427 χ^2/NDF:407858.8/14

Left: 2104.211+/-0.301 χ^2/NDF: 1035251.6/30

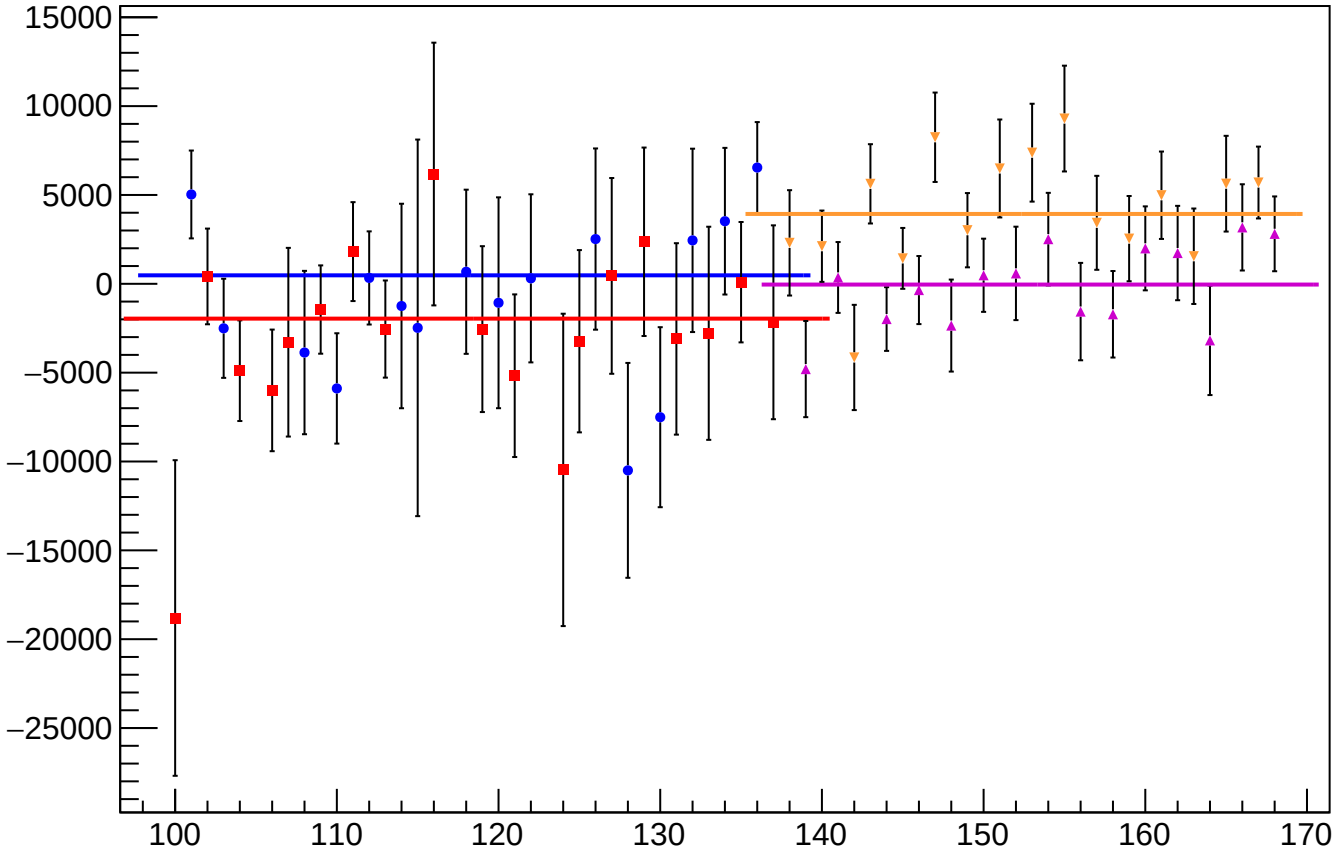
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2208.388+/-0.361 χ^2/NDF:1541640.6/30

Out: 2186.587+/-0.354 χ^2/NDF:1819436.4/34

All: 2197.271+/-0.253 χ^2/NDF: 3362937.1/65

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3931.474+/-599.271 χ^2/NDF:22.6/15

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -42.349+/-600.549 χ^2/NDF:12.8/14

Left: 1948.794+/-424.200 χ^2/NDF: 57.3/30

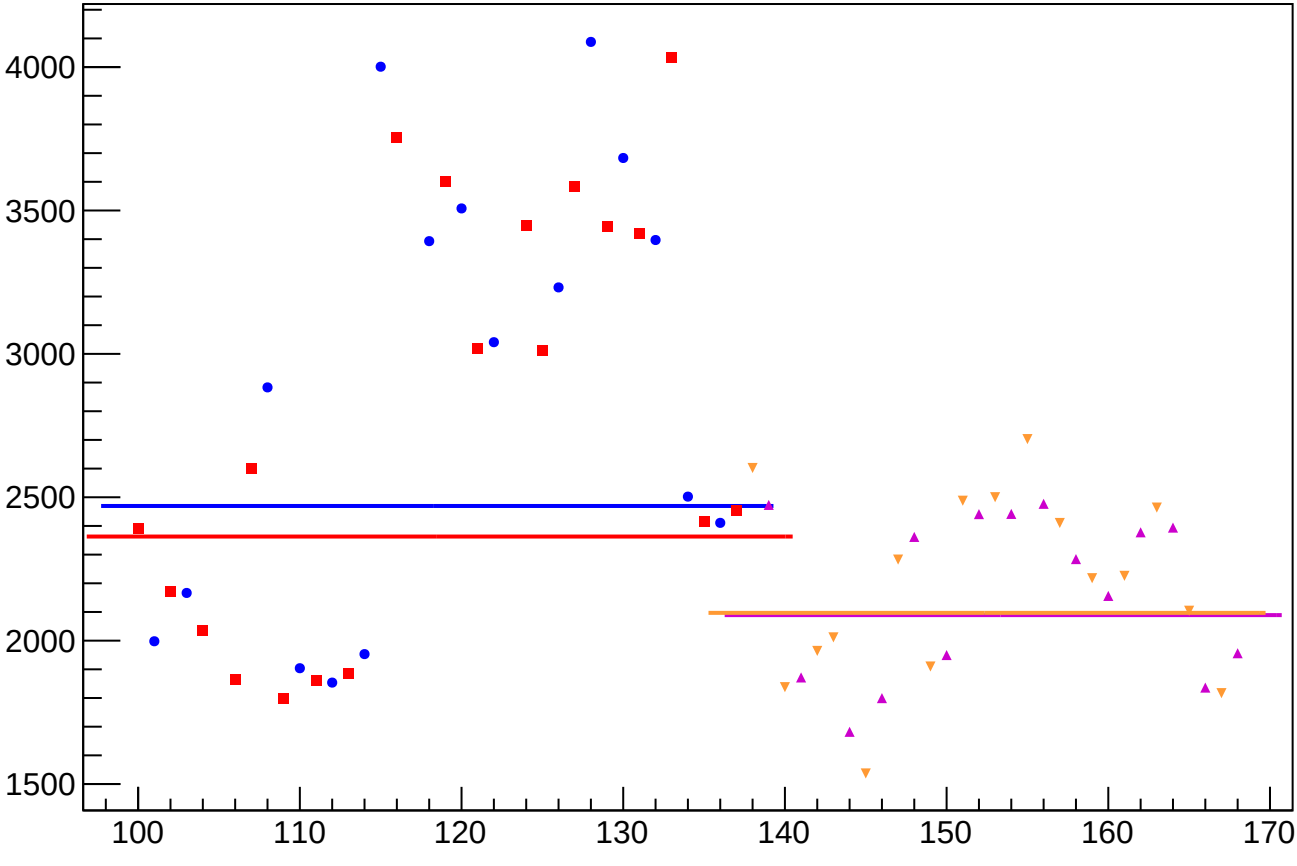
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 105.405+/-508.044 χ^2/NDF:35.1/30

Out: 2121.086+/-498.759 χ^2/NDF:65.1/34

All: 1131.832+/-355.913 χ^2/NDF: 108.3/65

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2096.928+/-0.424 χ^2/NDF:619540.9/15

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2089.063+/-0.425 χ^2/NDF:444357.0/14

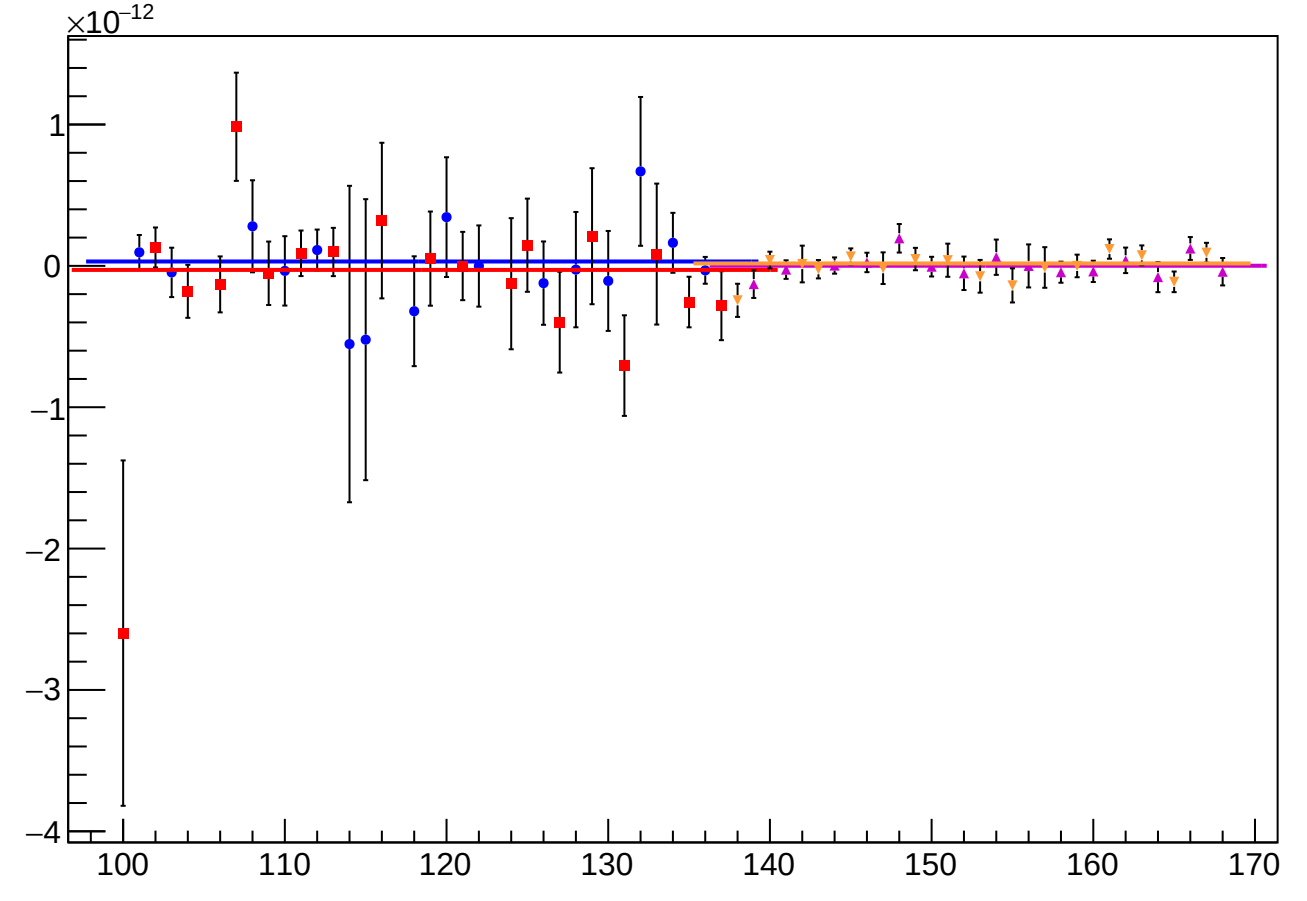
Left: 2093.004+/-0.300 χ^2/NDF: 1064069.9/30

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2197.277+/-0.359 χ^2/NDF:1558915.8/30

Out: 2178.713+/-0.353 χ^2/NDF:1784094.6/34

All: 2187.824+/-0.252 χ^2/NDF: 3344370.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/14

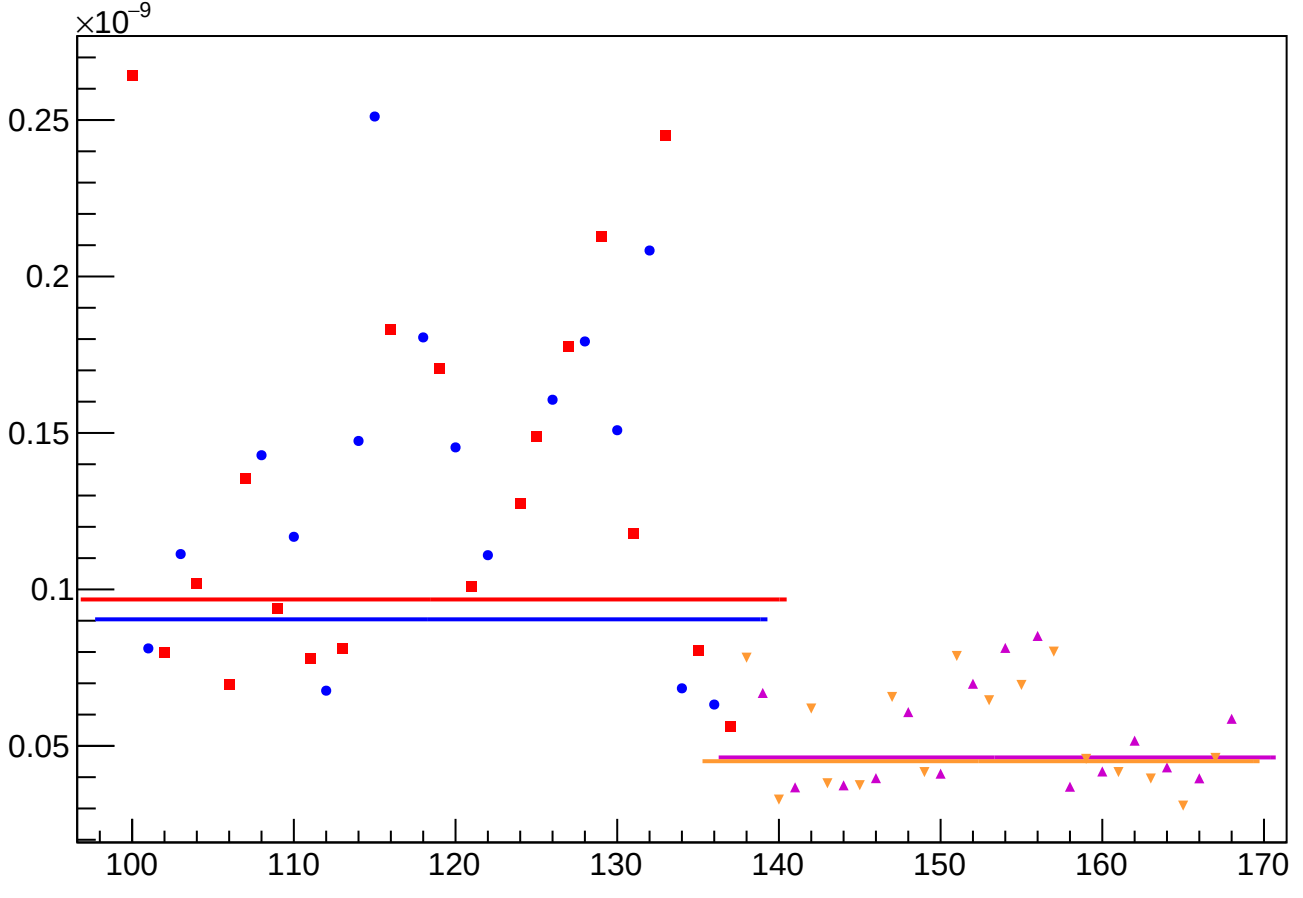
Left: 0.000+/-0.000 χ^2/NDF: 26.5/30

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:16.5/30

Out: 0.000+/-0.000 χ^2/NDF:39.9/34

All: 0.000+/-0.000 χ^2/NDF: 56.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925531.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:709724.8/14

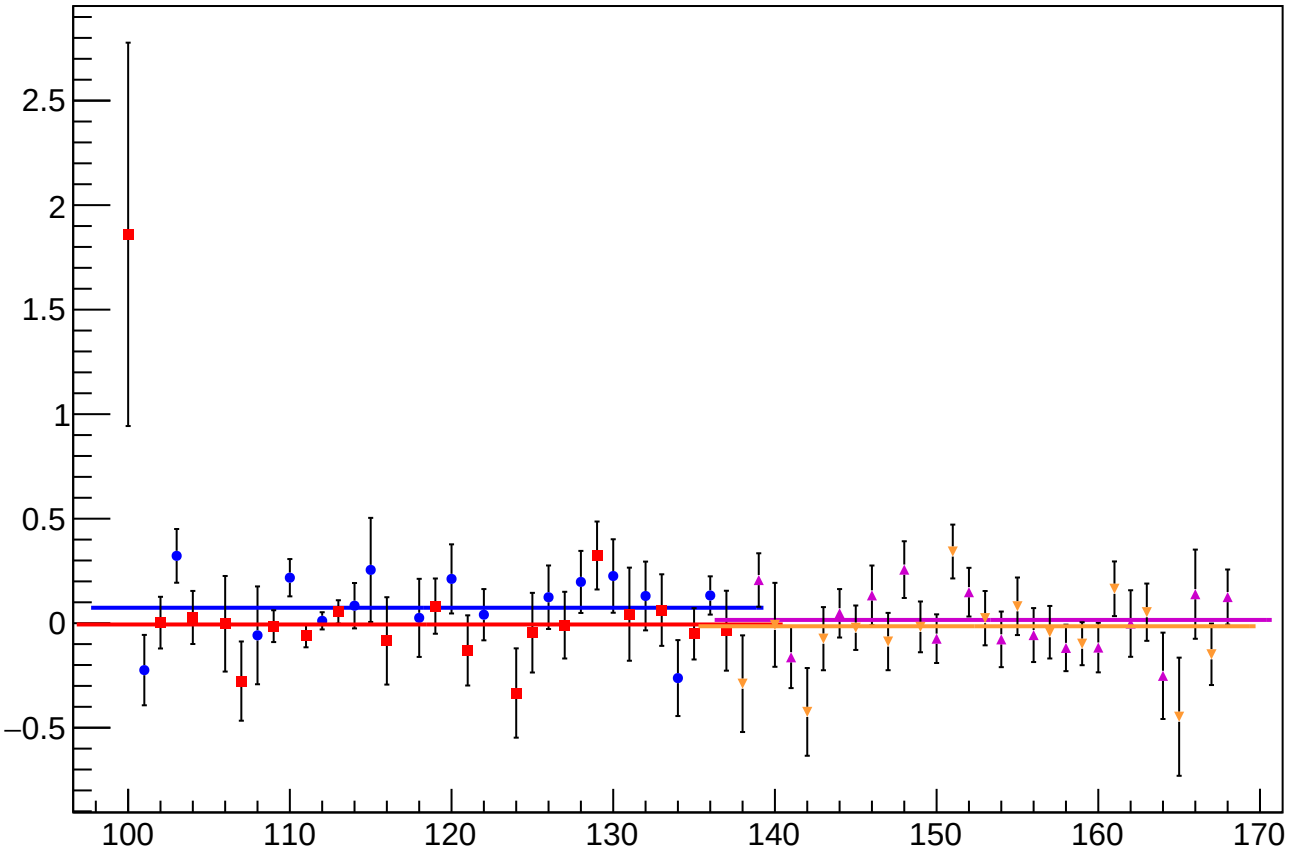
Left: 0.000+/-0.000 χ^2/NDF: 1638568.4/30

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2843833.5/30

Out: 0.000+/-0.000 χ^2/NDF:3286503.4/34

All: 0.000+/-0.000 χ^2/NDF: 6136525.4/65



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.016+/-0.034 χ^2/NDF:15.7/14

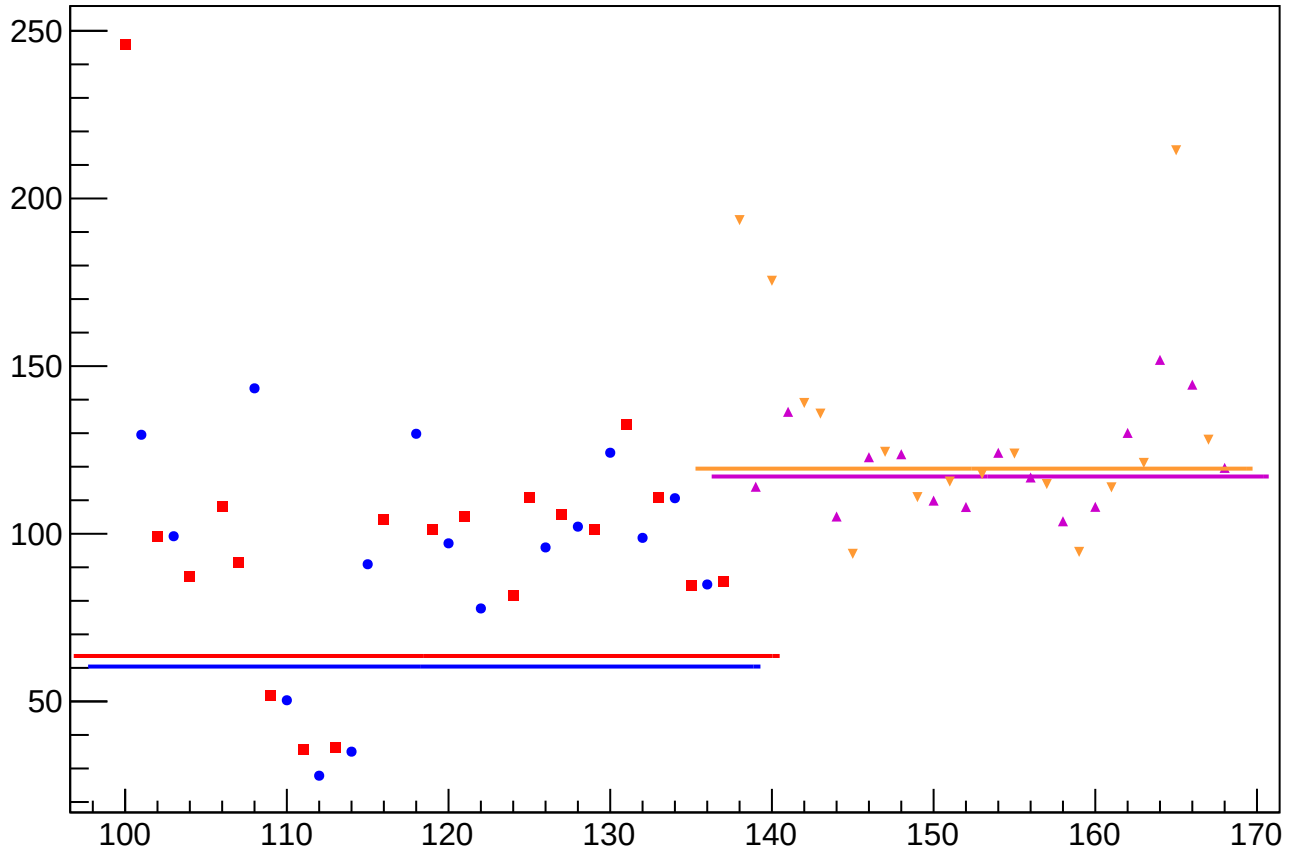
Left: 0.001+/-0.025 χ^2/NDF: 36.0/30

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.021 χ^2/NDF:36.4/30

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.021+/-0.015 χ^2/NDF: 76.9/65



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.080+/-0.024 χ^2/NDF:234393.9/14

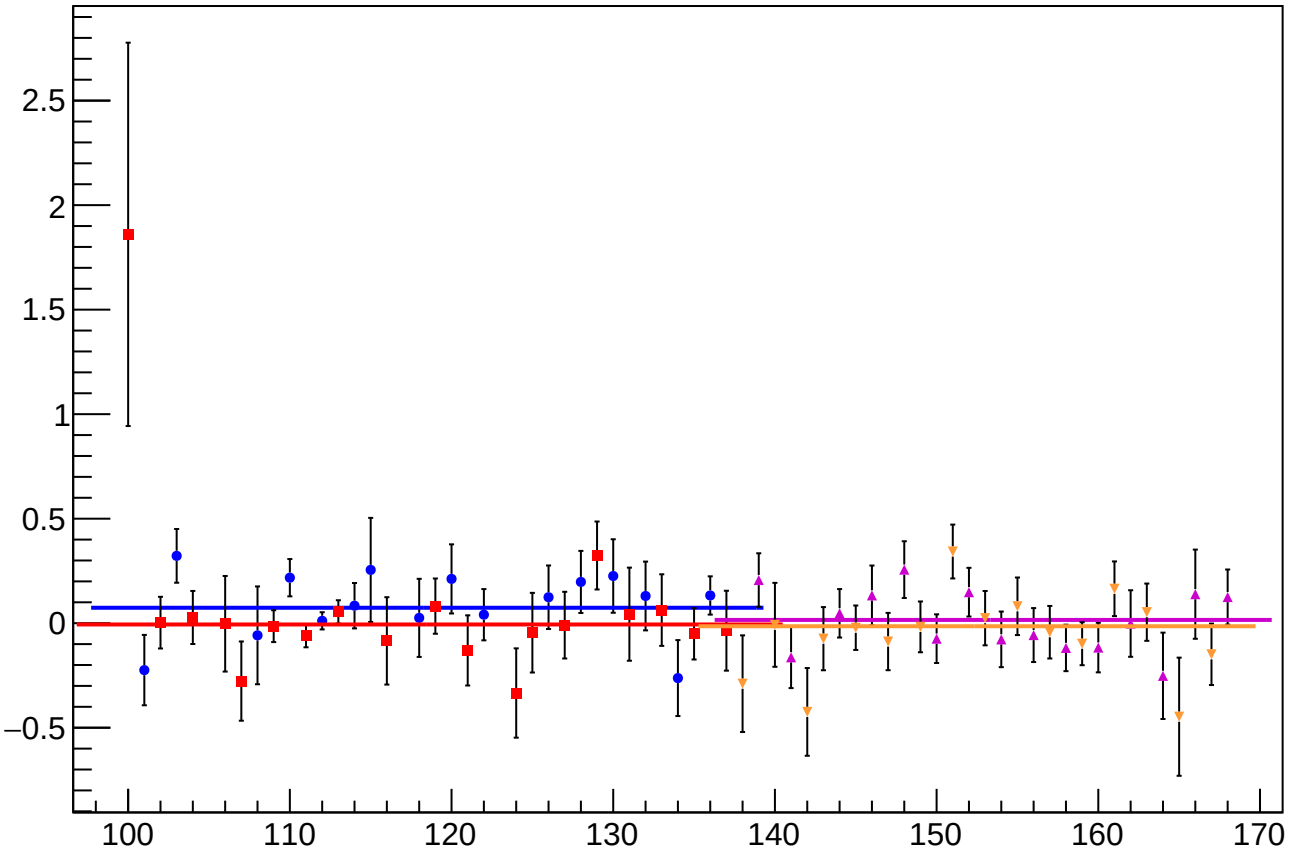
Left: 118.238+/-0.017 χ^2/NDF: 1128081.8/30

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 81.991+/-0.015 χ^2/NDF:7126738.9/30

Out: 84.298+/-0.015 χ^2/NDF:6763942.8/34

All: 83.143+/-0.011 χ^2/NDF: 13902450.0/65



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.016+/-0.034 χ^2/NDF:15.7/14

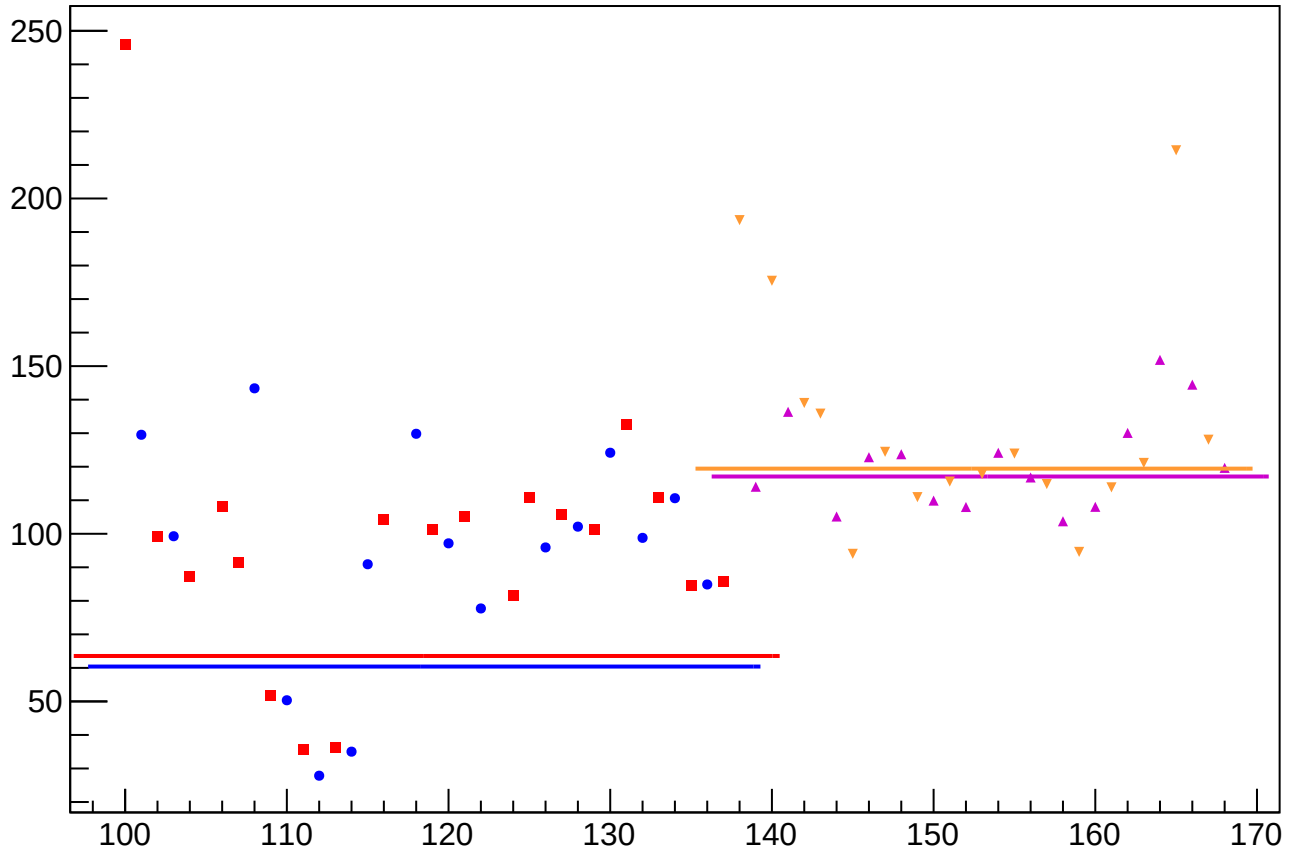
Left: 0.001+/-0.025 χ^2/NDF: 36.0/30

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.021 χ^2/NDF:36.4/30

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.021+/-0.015 χ^2/NDF: 76.9/65



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 119.428+/-0.025 χ^2/NDF:889103.5/15

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.080+/-0.024 χ^2/NDF:234393.9/14

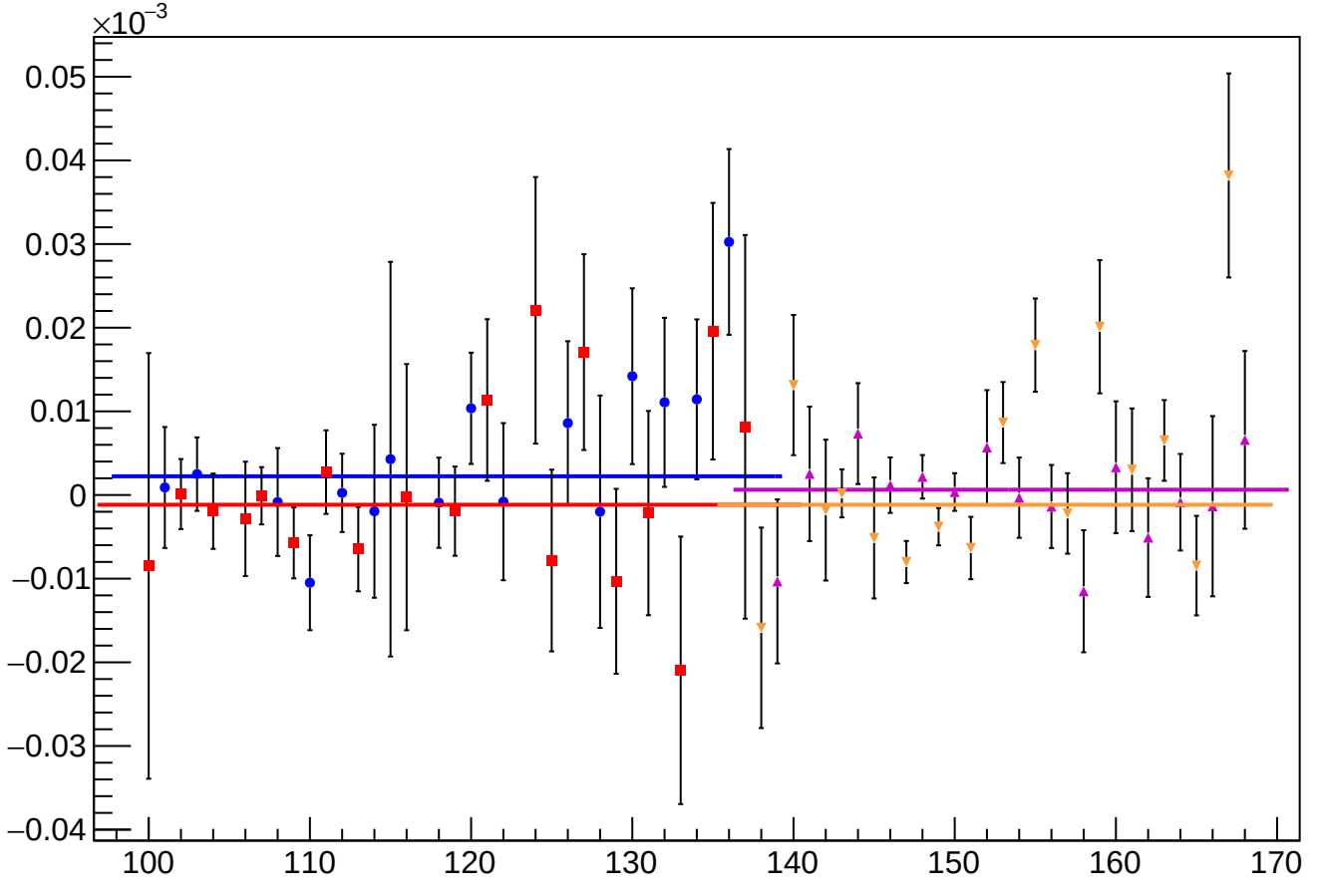
Left: 118.238+/-0.017 χ^2/NDF: 1128081.8/30

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 81.991+/-0.015 χ^2/NDF:7126738.9/30

Out: 84.298+/-0.015 χ^2/NDF:6763942.8/34

All: 83.143+/-0.011 χ^2/NDF: 13902450.0/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:53.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/14

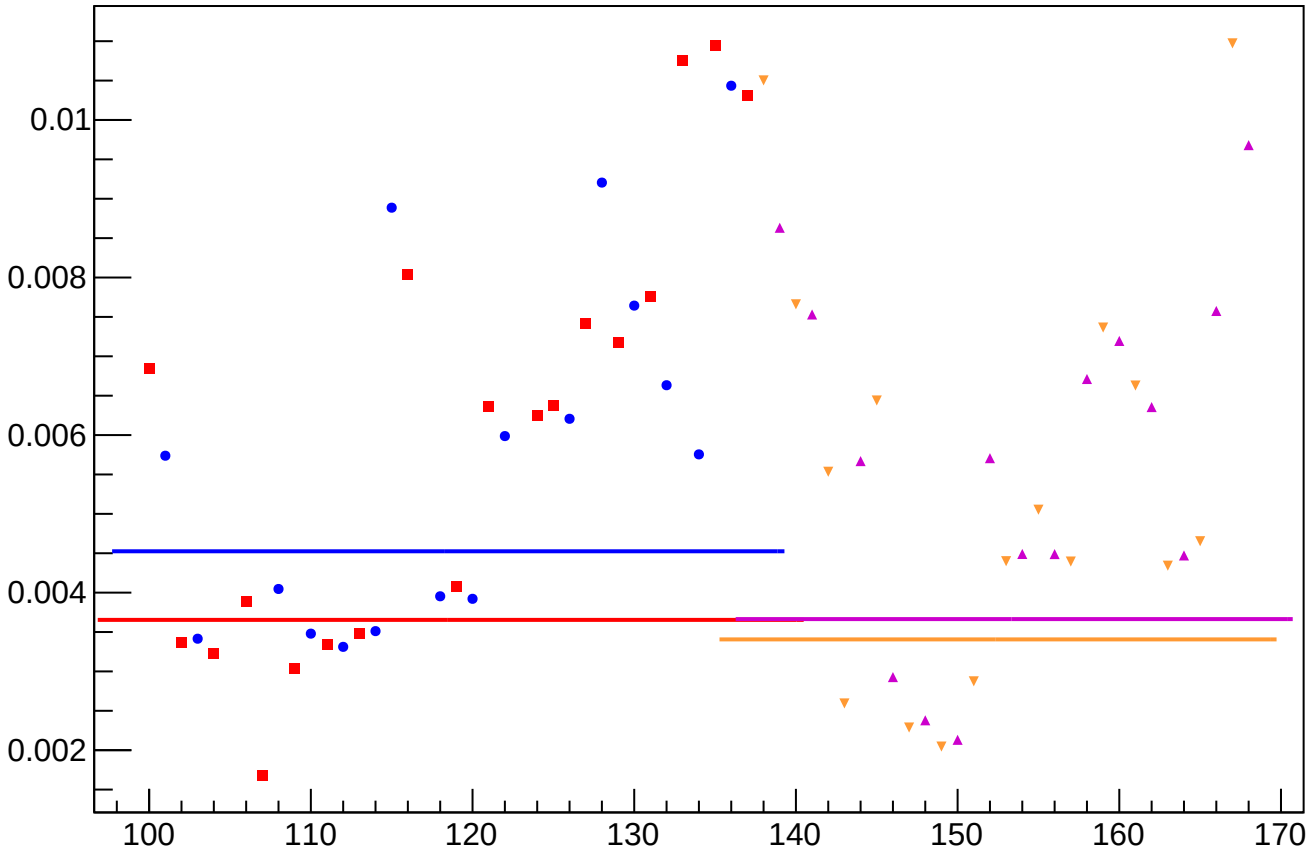
Left: -0.000+/-0.000 χ^2/NDF: 62.3/30

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.6/30

Out: -0.000+/-0.000 χ^2/NDF:67.5/34

All: -0.000+/-0.000 χ^2/NDF: 96.1/65



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:5187261.3/15

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4985999.1/14

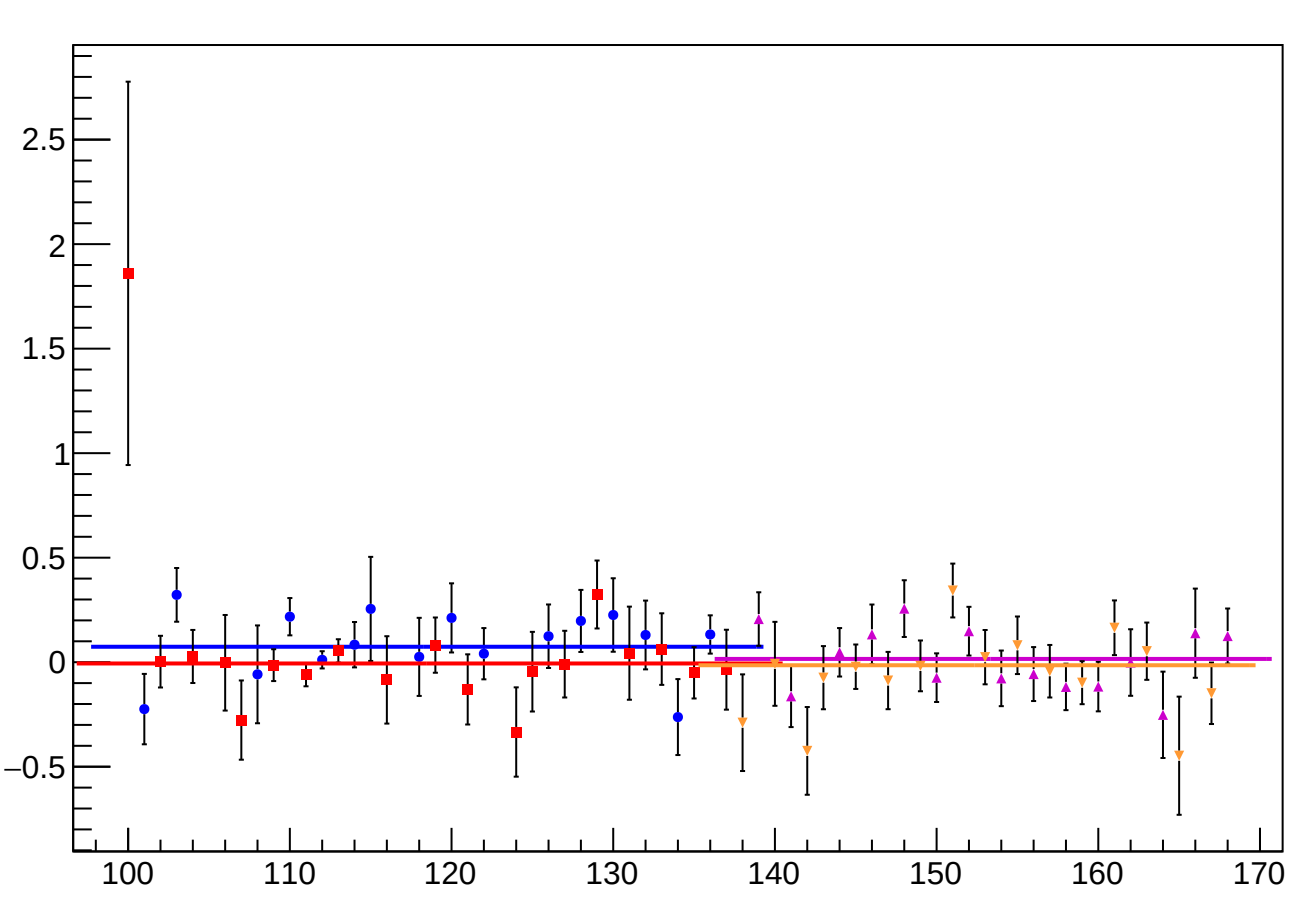
Left: 0.004+/-0.000 χ^2/NDF: 10223727.3/30

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:7021602.3/30

Out: 0.003+/-0.000 χ^2/NDF:8156092.7/34

All: 0.004+/-0.000 χ^2/NDF: 15388996.4/65



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.016+/-0.034 χ^2/NDF:15.7/14

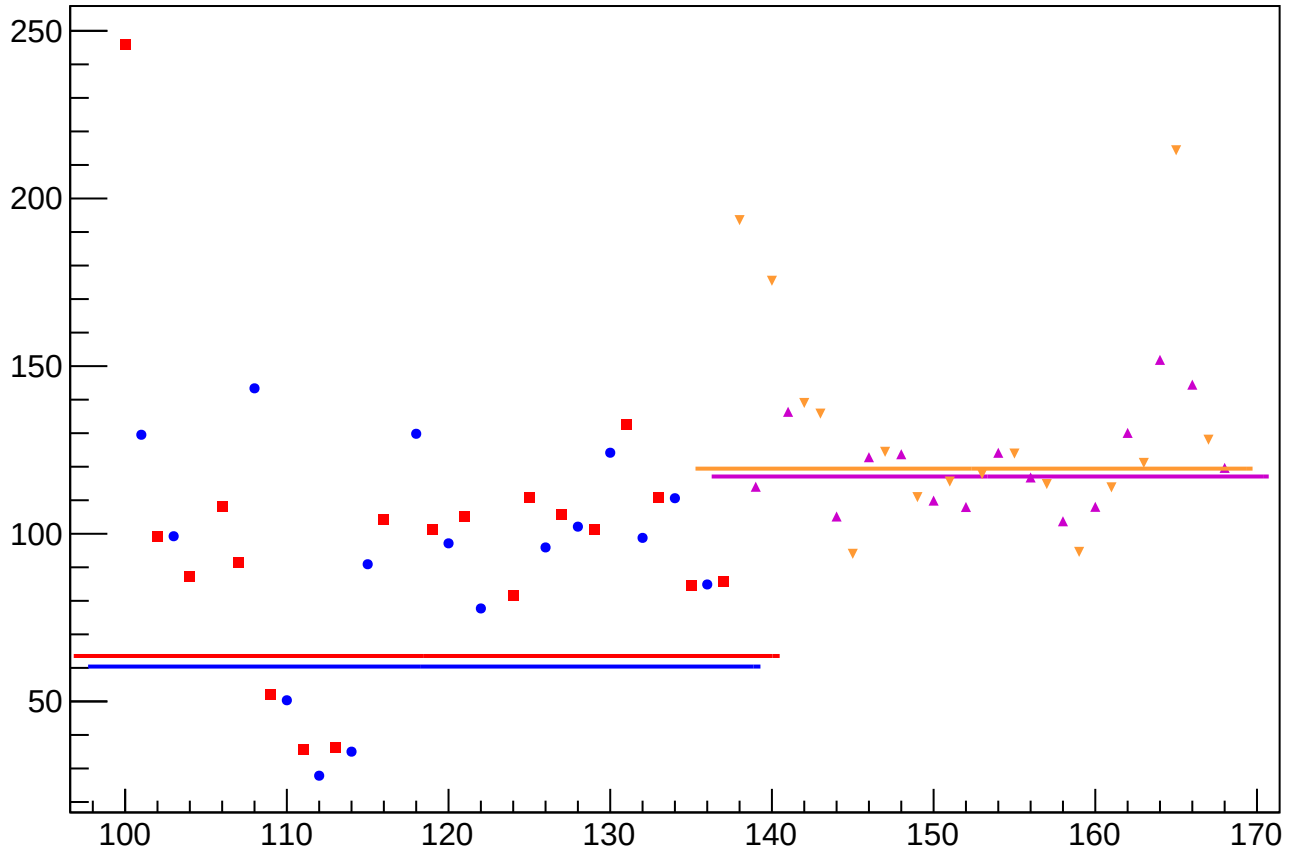
Left: 0.001+/-0.025 χ^2/NDF: 36.0/30

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.021 χ^2/NDF:36.4/30

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.021+/-0.015 χ^2/NDF: 76.9/65



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.081+/-0.024 χ^2/NDF:234387.6/14

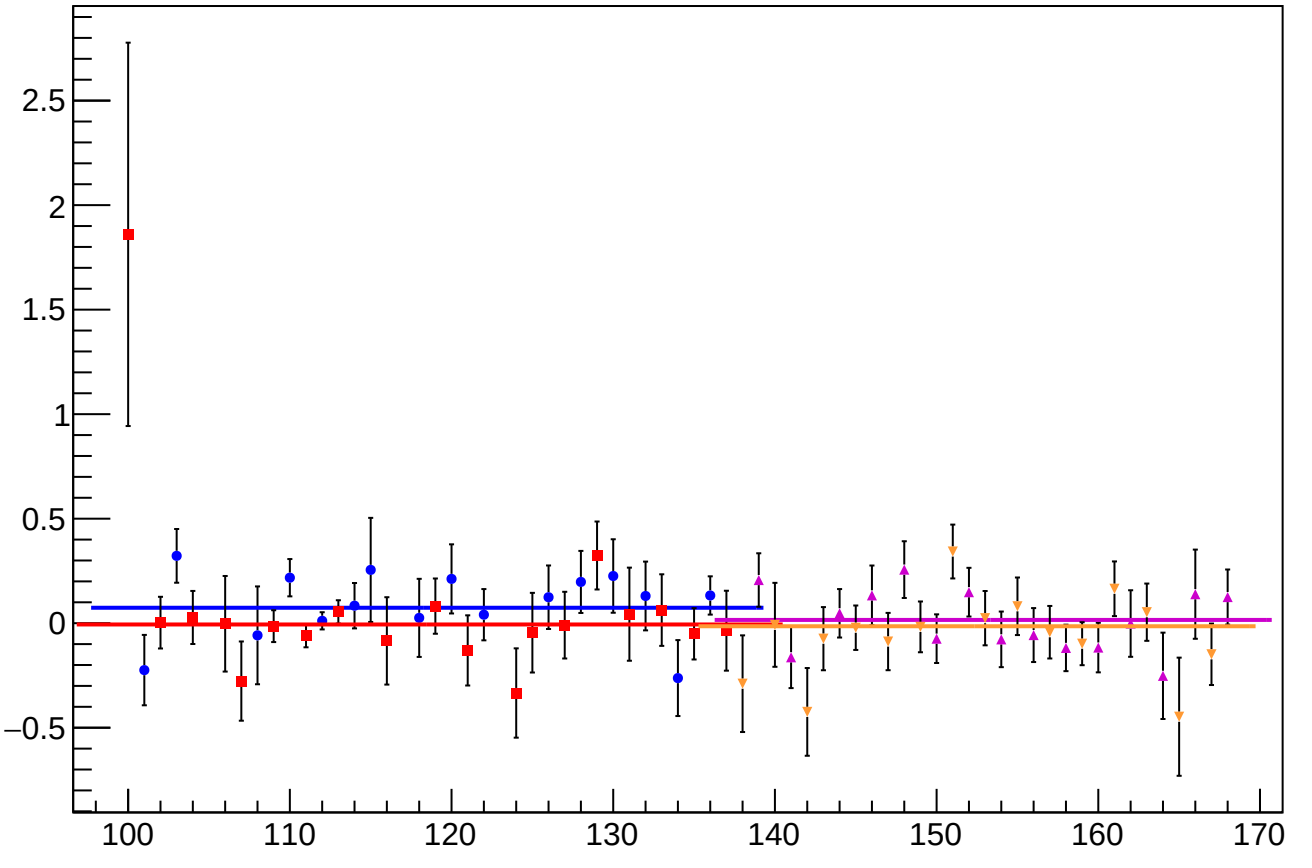
Left: 118.239+/-0.017 χ^2/NDF: 1128043.8/30

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 81.989+/-0.015 χ^2/NDF:7127384.5/30

Out: 84.296+/-0.015 χ^2/NDF:6764531.4/34

All: 83.142+/-0.011 χ^2/NDF: 13903687.6/65



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.035 χ^2/NDF:20.0/15

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.016+/-0.034 χ^2/NDF:15.7/14

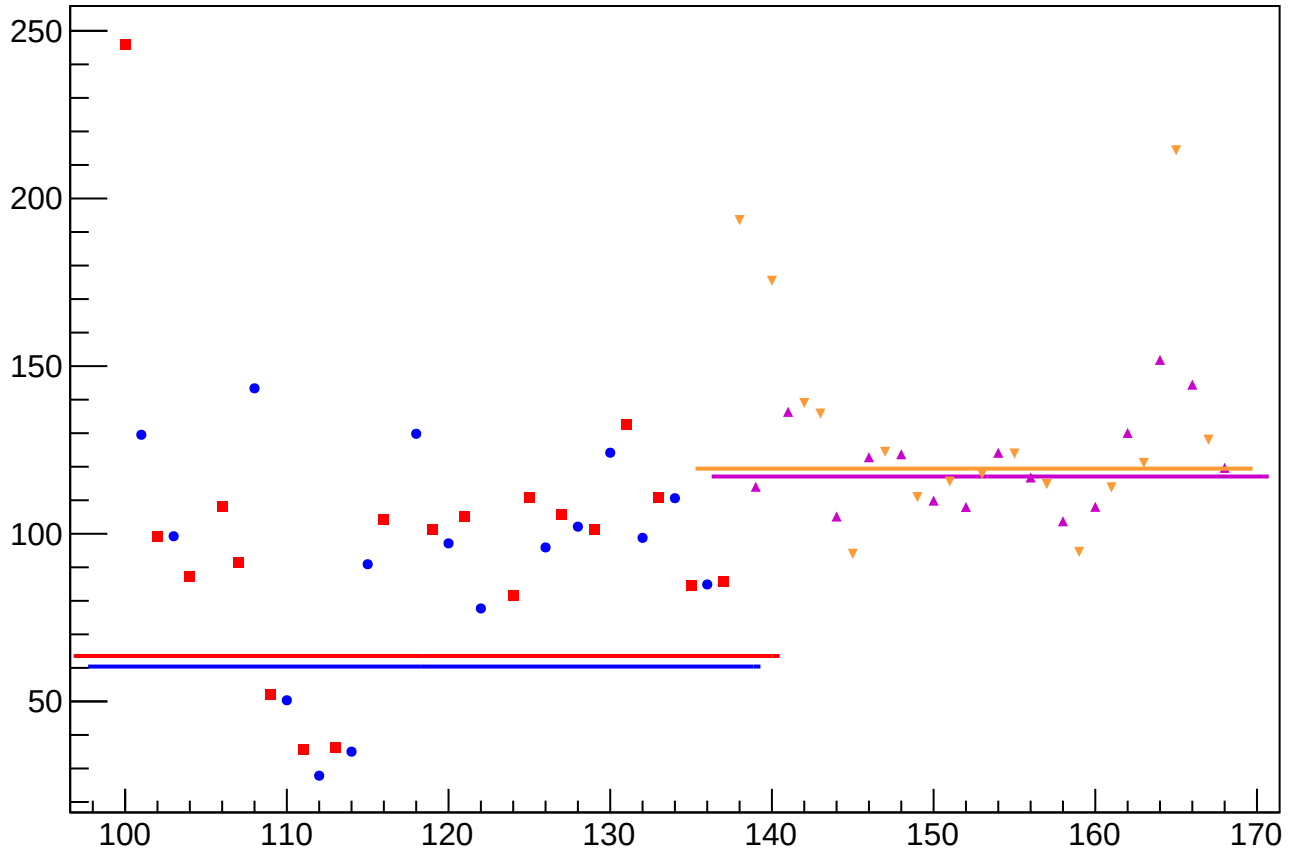
Left: 0.001+/-0.025 χ^2/NDF: 36.0/30

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.021 χ^2/NDF:36.4/30

Out: -0.009+/-0.021 χ^2/NDF:36.4/34

All: 0.021+/-0.015 χ^2/NDF: 76.9/65



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 119.429+/-0.025 χ^2/NDF:889071.4/15

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.081+/-0.024 χ^2/NDF:234387.6/14

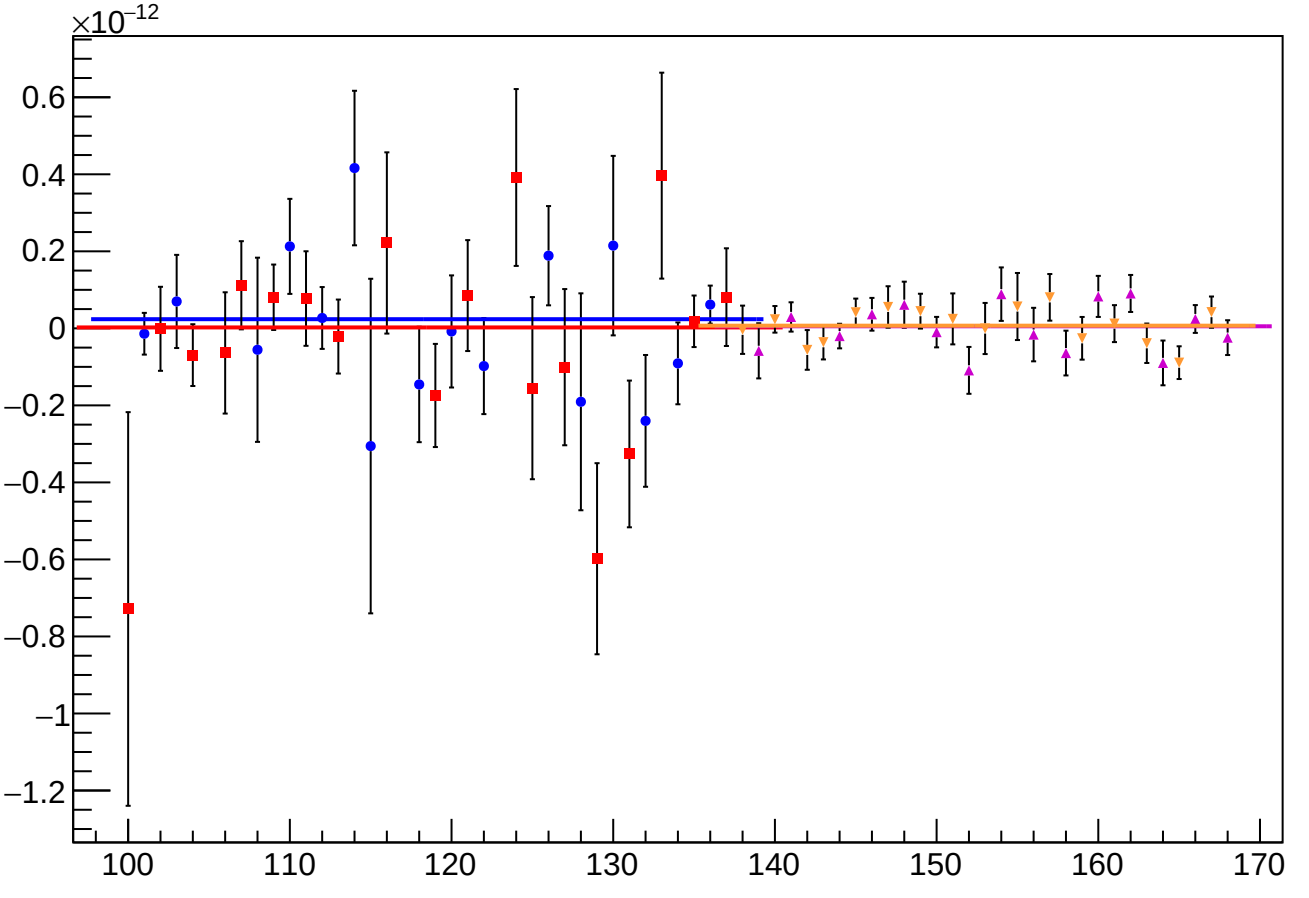
Left: 118.239+/-0.017 χ^2/NDF: 1128043.8/30

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 81.989+/-0.015 χ^2/NDF:7127384.5/30

Out: 84.296+/-0.015 χ^2/NDF:6764531.4/34

All: 83.142+/-0.011 χ^2/NDF: 13903687.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/14

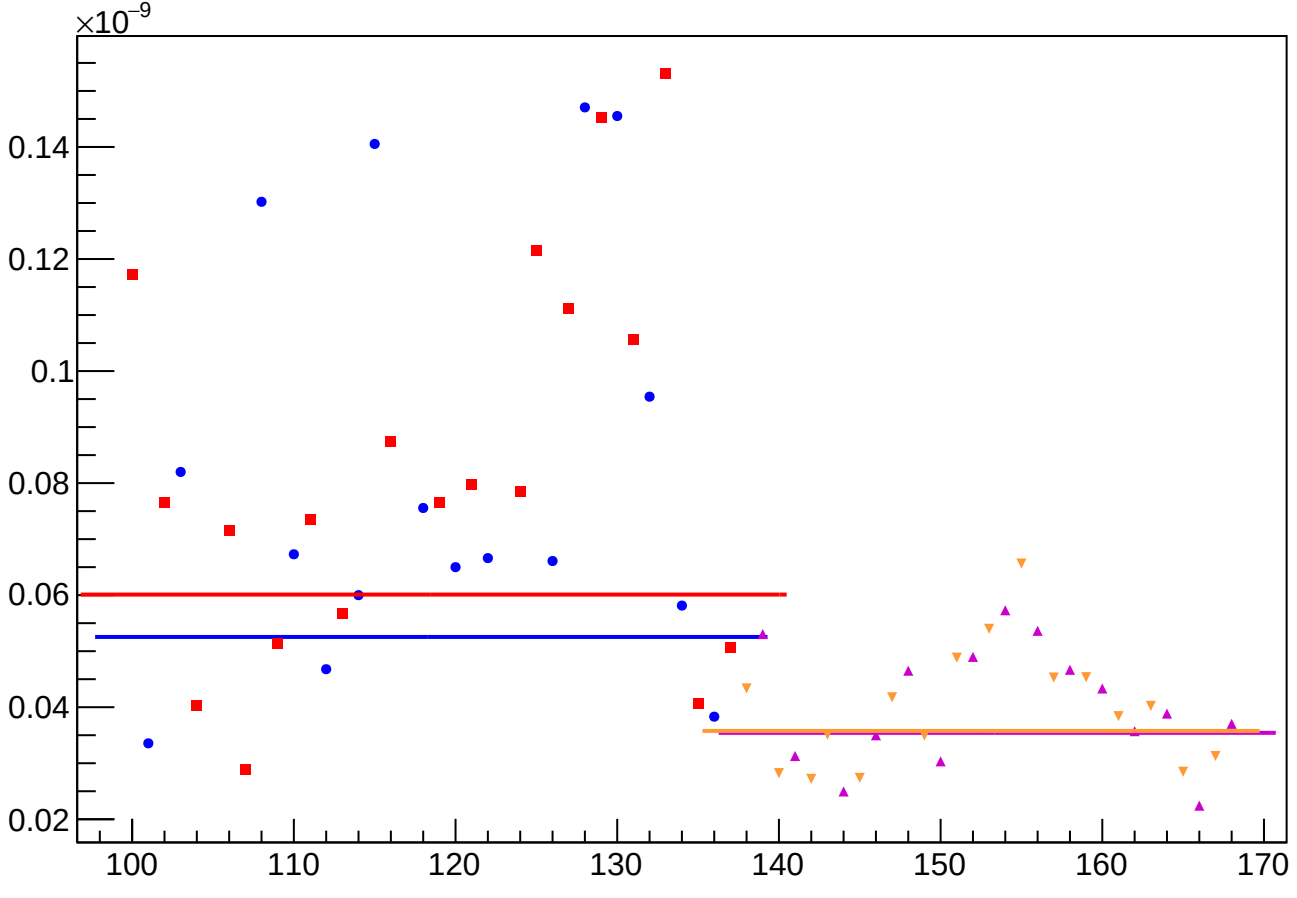
Left: 0.000+/-0.000 χ^2/NDF: 32.6/30

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.7/30

Out: 0.000+/-0.000 χ^2/NDF:37.2/34

All: 0.000+/-0.000 χ^2/NDF: 73.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:994312.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1285098.9/14

Left: 0.000+/-0.000 χ^2/NDF: 2280214.5/30

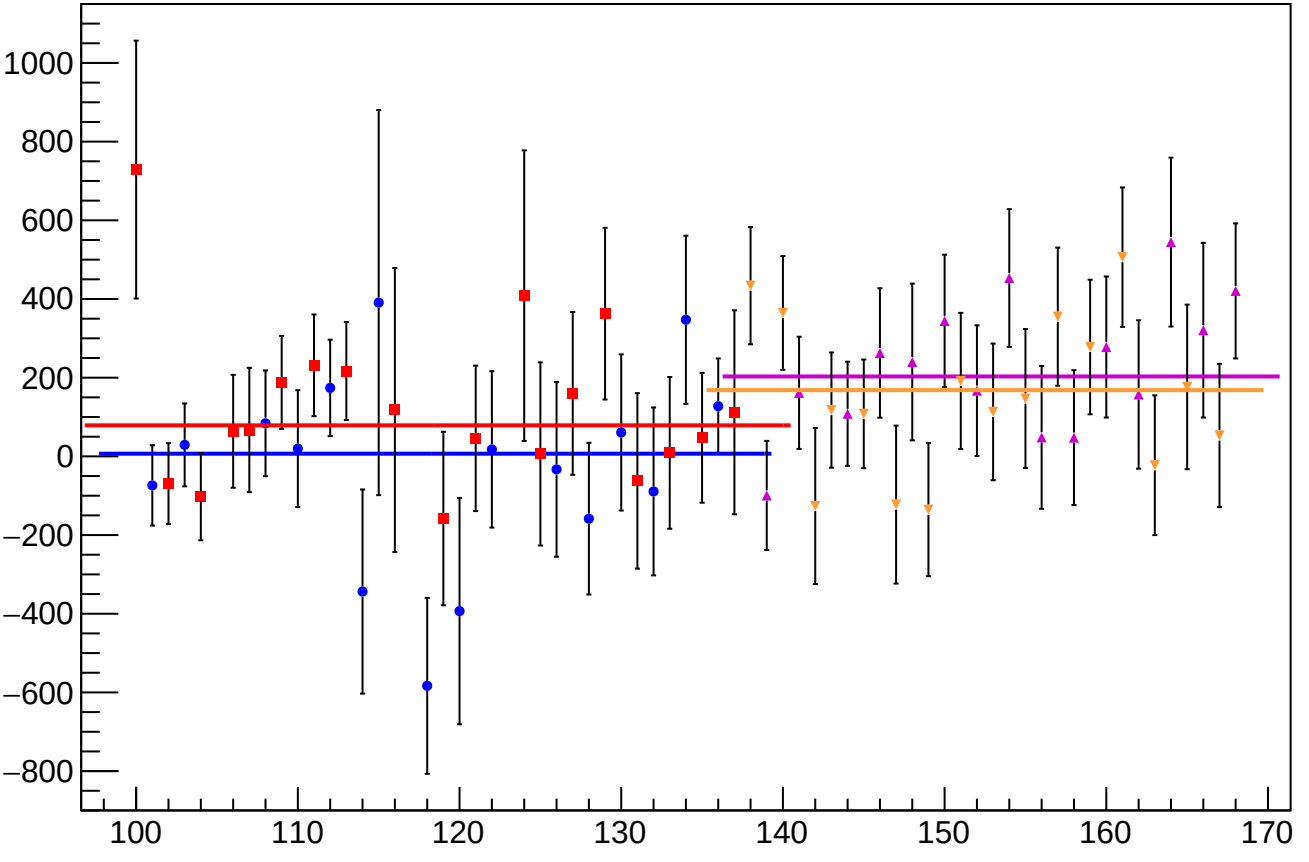
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3634931.2/30

Out: 0.000+/-0.000 χ^2/NDF:3740143.4/34

All: 0.000+/-0.000 χ^2/NDF: 7382200.7/65

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.357+/-42.295 χ^2/NDF:19.7/15

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 203.121+/-43.684 χ^2/NDF:14.5/14

Left: 185.177+/-30.386 χ^2/NDF: 34.6/30

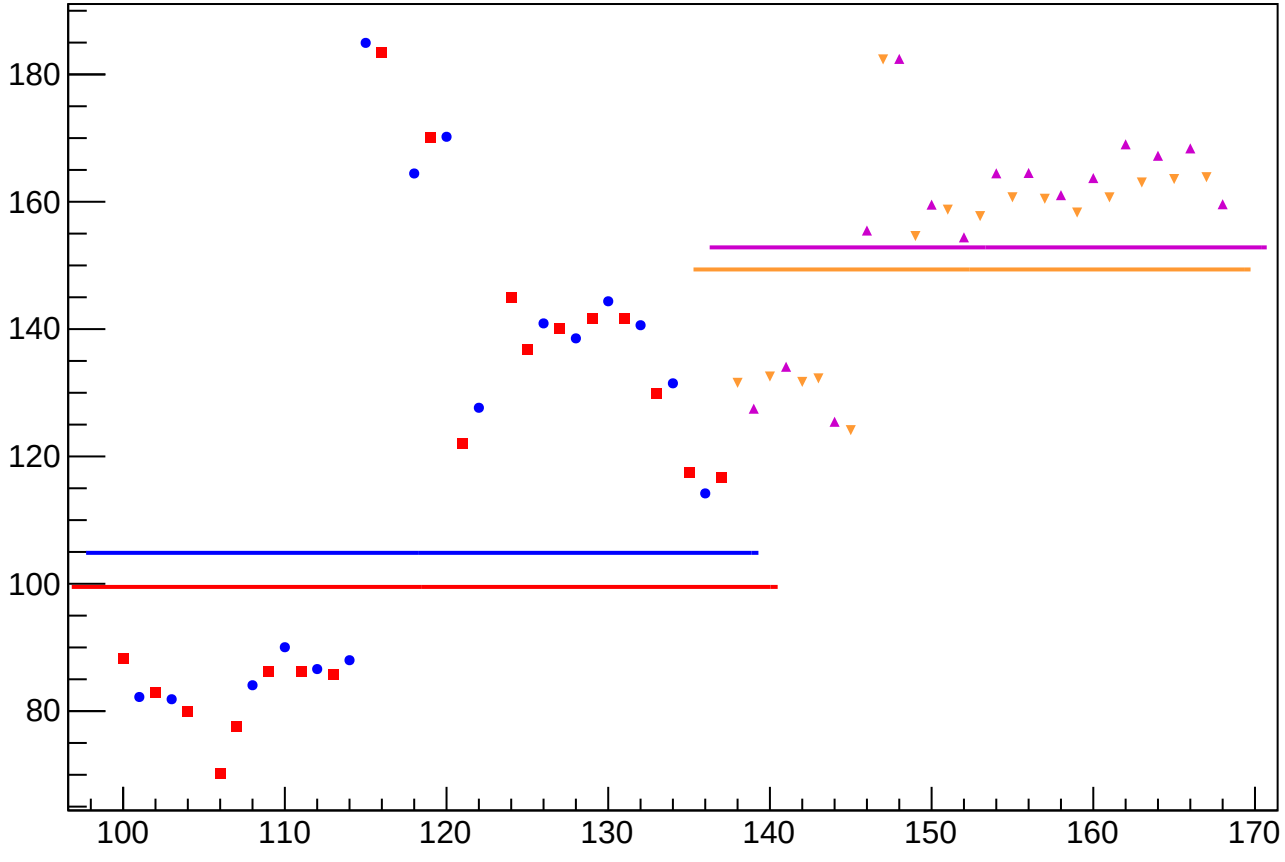
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 97.197+/-29.642 χ^2/NDF:44.2/30

Out: 118.738+/-28.228 χ^2/NDF:38.9/34

All: 108.493+/-20.442 χ^2/NDF: 83.4/65

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

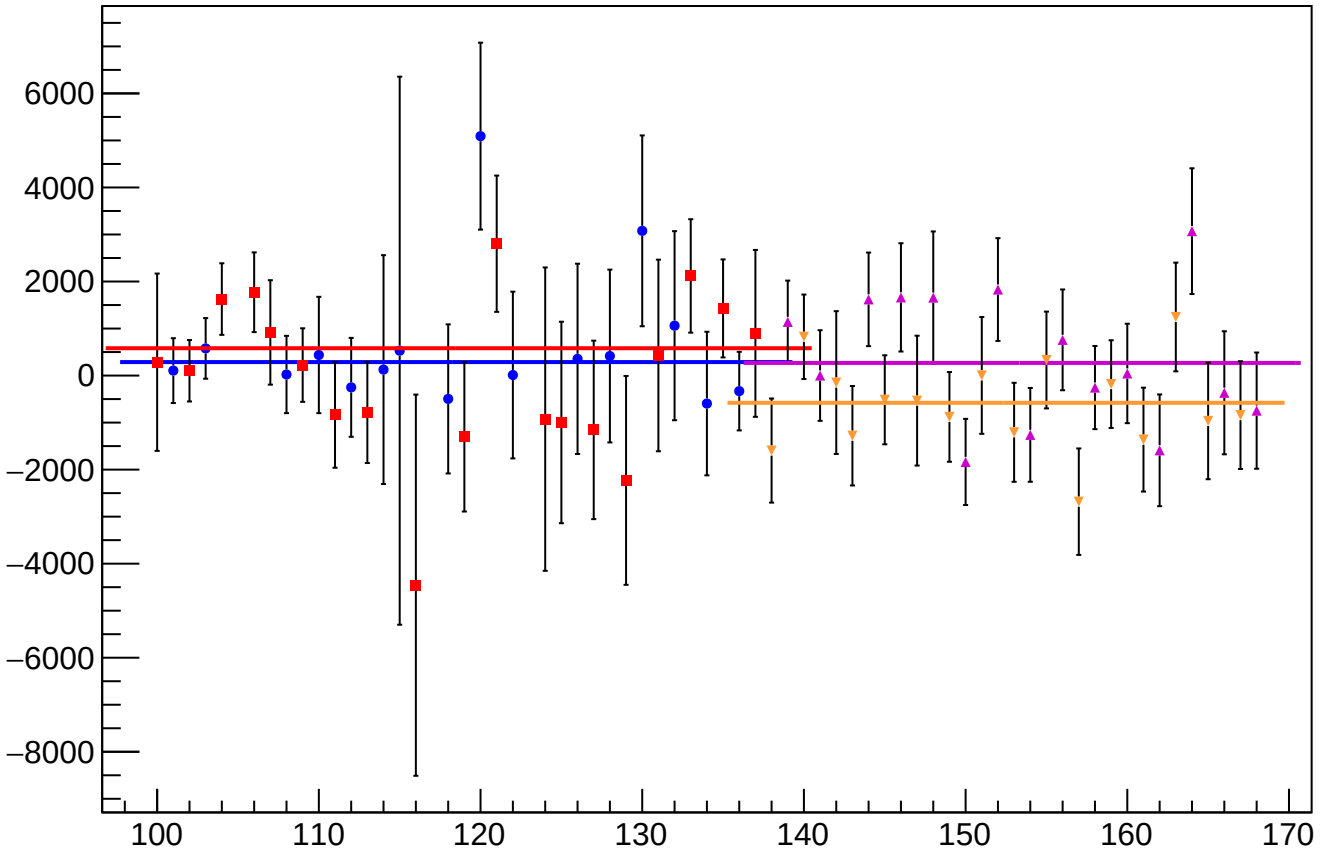
Left: 151.045+/-0.021 χ^2/NDF: 602927.5/30

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 126.949+/-0.021 χ^2/NDF:2533535.7/30

Out: 121.717+/-0.020 χ^2/NDF:2876103.6/34

All: 124.205+/-0.014 χ^2/NDF: 5442313.9/65



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -579.227+/-271.879 χ^2/NDF:12.0/15

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 268.828+/-274.944 χ^2/NDF:23.4/14

Left: -159.953+/-193.322 χ^2/NDF: 40.2/30

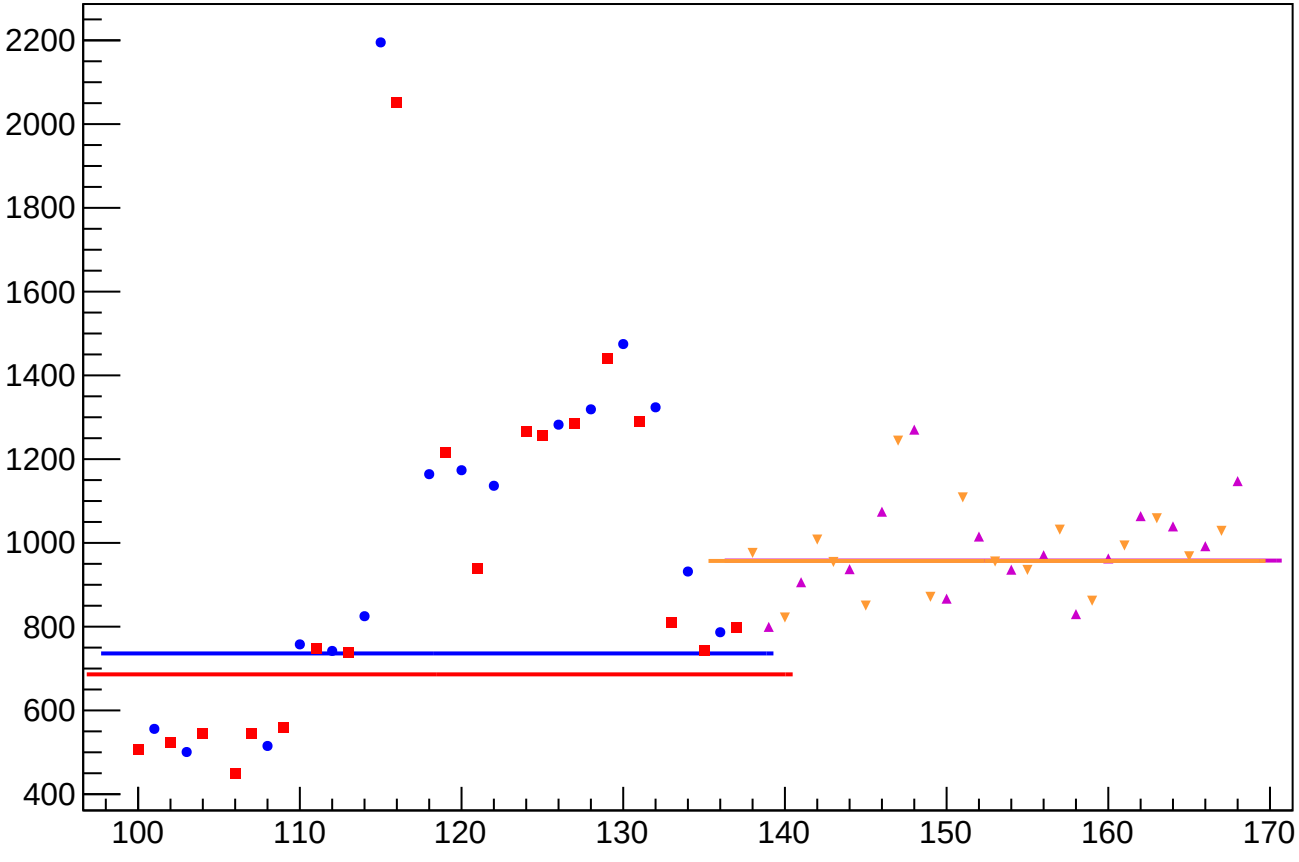
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 277.283+/-200.646 χ^2/NDF:33.1/30

Out: 5.503+/-191.499 χ^2/NDF:40.0/34

All: 135.057+/-138.531 χ^2/NDF: 74.0/65

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 956.945+/-0.192 χ^2/NDF:262095.6/15

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.791+/-0.194 χ^2/NDF:331142.6/14

Left: 957.364+/-0.137 χ^2/NDF: 593247.8/30

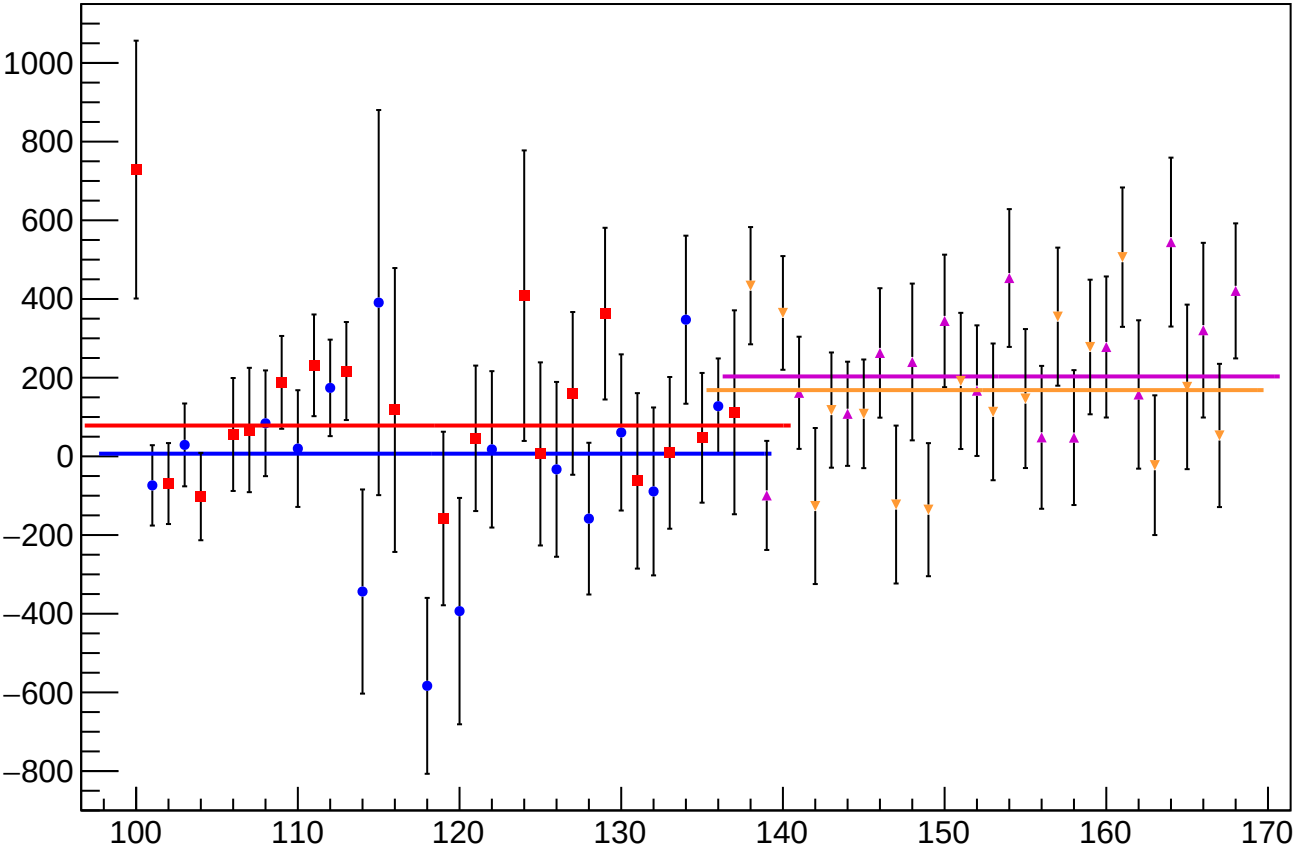
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 854.157+/-0.142 χ^2/NDF:2783527.2/30

Out: 820.475+/-0.135 χ^2/NDF:3081332.0/34

All: 836.531+/-0.098 χ^2/NDF: 5894353.5/65

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.355+/-42.295 χ^2/NDF:19.7/15

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 203.122+/-43.684 χ^2/NDF:14.5/14

Left: 185.177+/-30.386 χ^2/NDF: 34.6/30

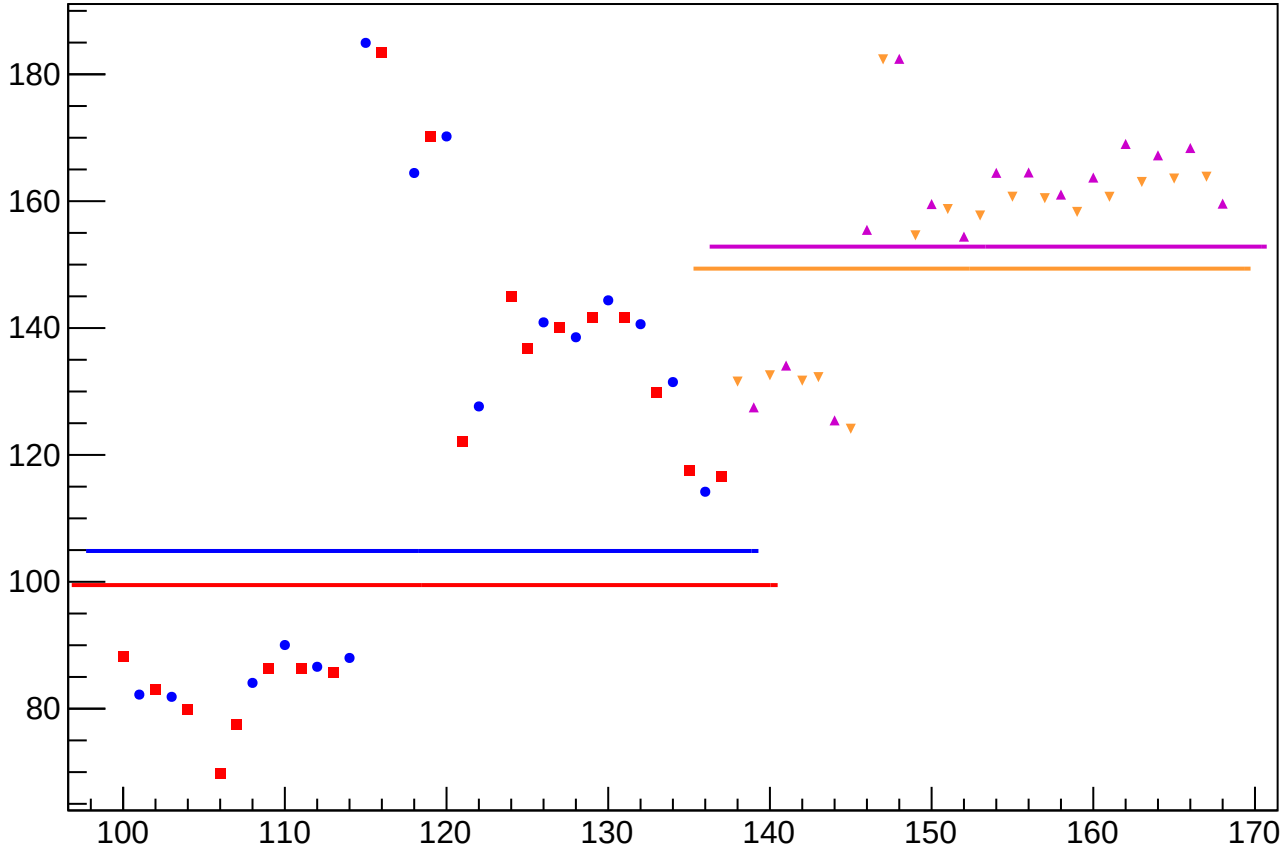
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 97.191+/-29.642 χ^2/NDF:44.2/30

Out: 118.444+/-28.229 χ^2/NDF:38.9/34

All: 108.336+/-20.442 χ^2/NDF: 83.4/65

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

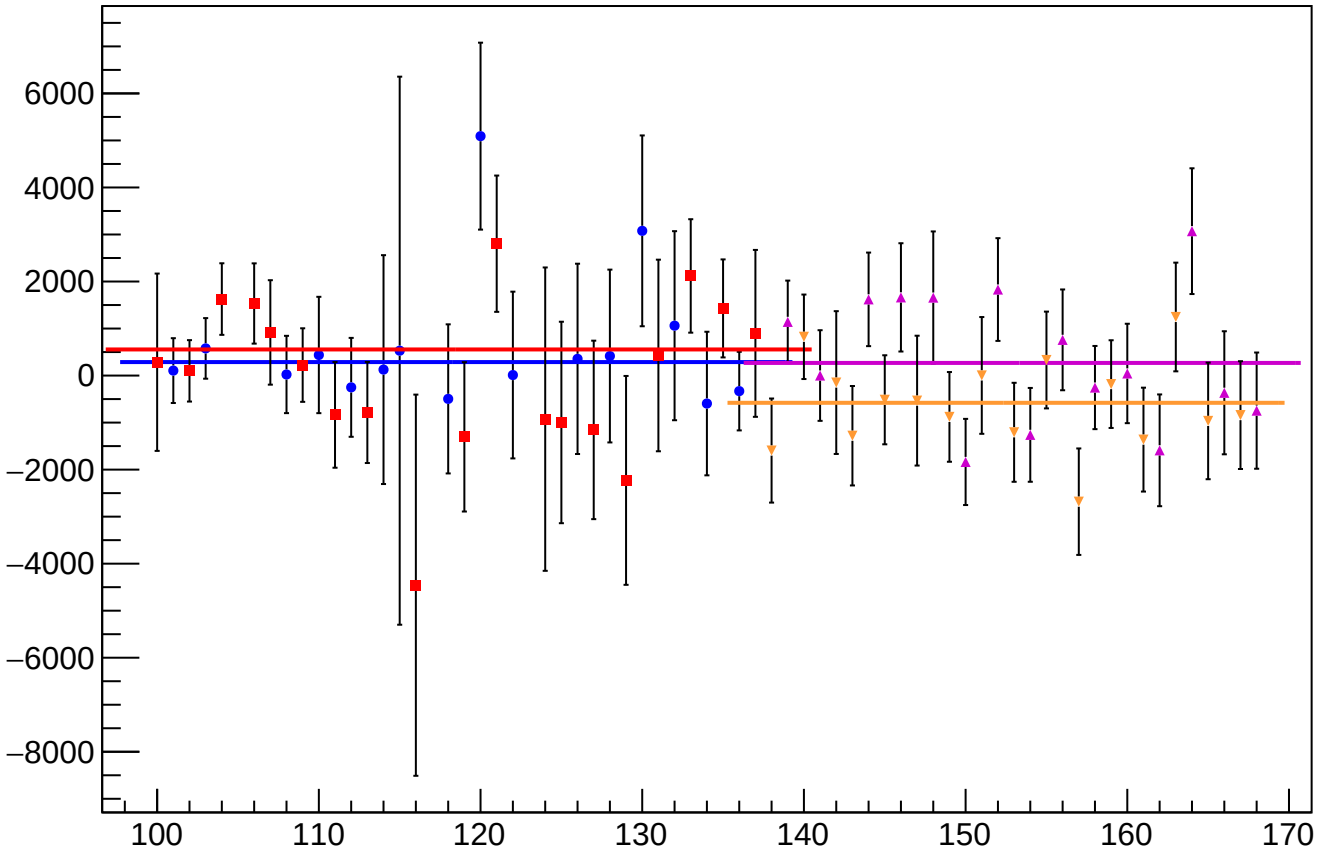
Left: 151.045+/-0.021 χ^2/NDF: 602927.5/30

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 126.949+/-0.021 χ^2/NDF:2533534.1/30

Out: 121.706+/-0.020 χ^2/NDF:2879670.5/34

All: 124.199+/-0.014 χ^2/NDF: 5446021.9/65



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -579.224+/-271.879 χ^2/NDF:12.0/15

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 268.830+/-274.944 χ^2/NDF:23.4/14

Left: -159.951+/-193.322 χ^2/NDF: 40.2/30

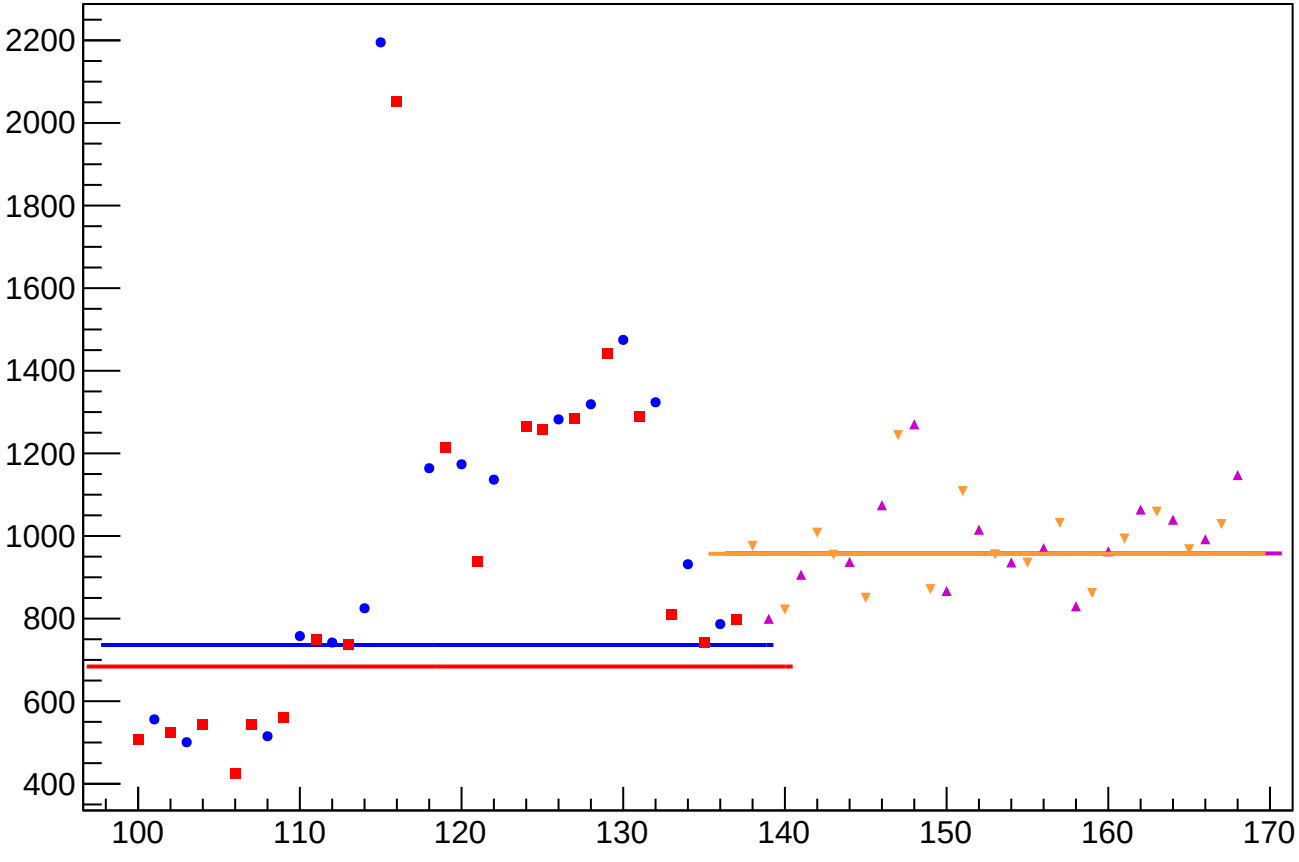
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 277.285+/-200.646 χ^2/NDF:33.1/30

Out: -7.861+/-191.563 χ^2/NDF:38.8/34

All: 128.112+/-138.555 χ^2/NDF: 73.0/65

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.792+/-0.194 χ^2/NDF:331144.5/14

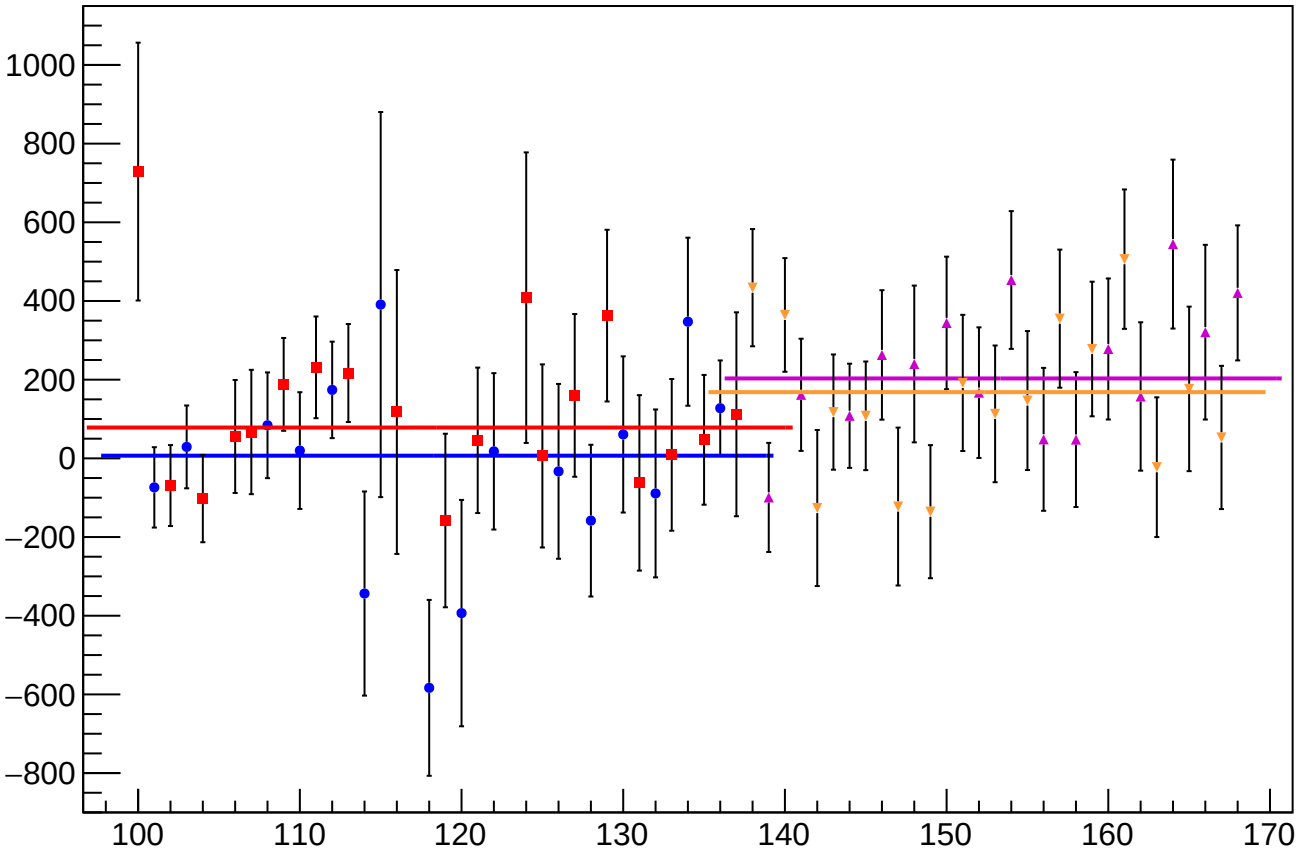
Left: 957.364+/-0.137 χ^2/NDF: 593249.2/30

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 854.157+/-0.142 χ^2/NDF:2783536.5/30

Out: 819.493+/-0.135 χ^2/NDF:3127667.9/34

All: 836.023+/-0.098 χ^2/NDF: 5942432.9/65



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 168.355+/-42.295 χ^2/NDF:19.7/15

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 203.122+/-43.684 χ^2/NDF:14.5/14

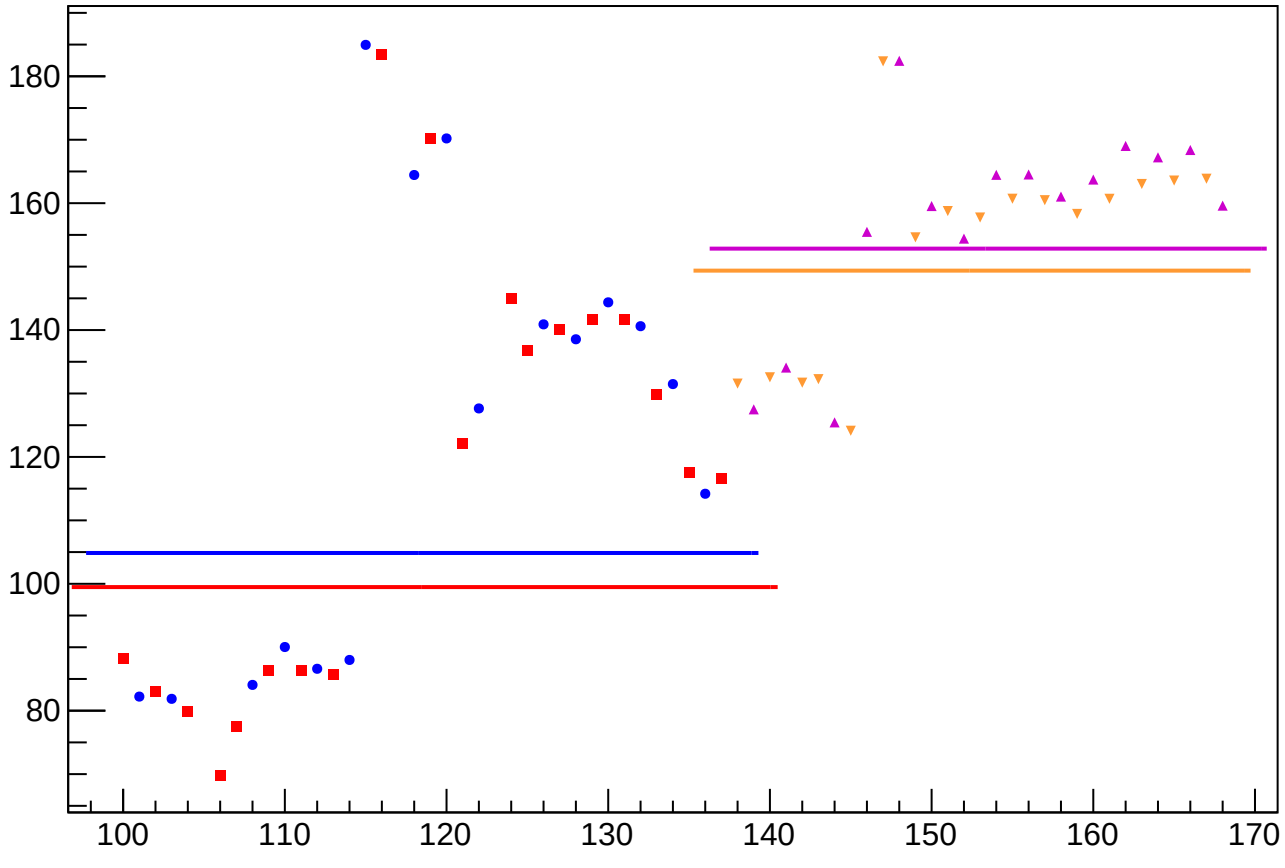
Left: 185.177+/-30.386 χ^2/NDF: 34.6/30

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 97.191+/-29.642 χ^2/NDF:44.2/30

Out: 118.444+/-28.229 χ^2/NDF:38.9/34

All: 108.336+/-20.442 χ^2/NDF: 83.4/65



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 149.367+/-0.030 χ^2/NDF:295719.4/15

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 152.835+/-0.031 χ^2/NDF:300700.6/14

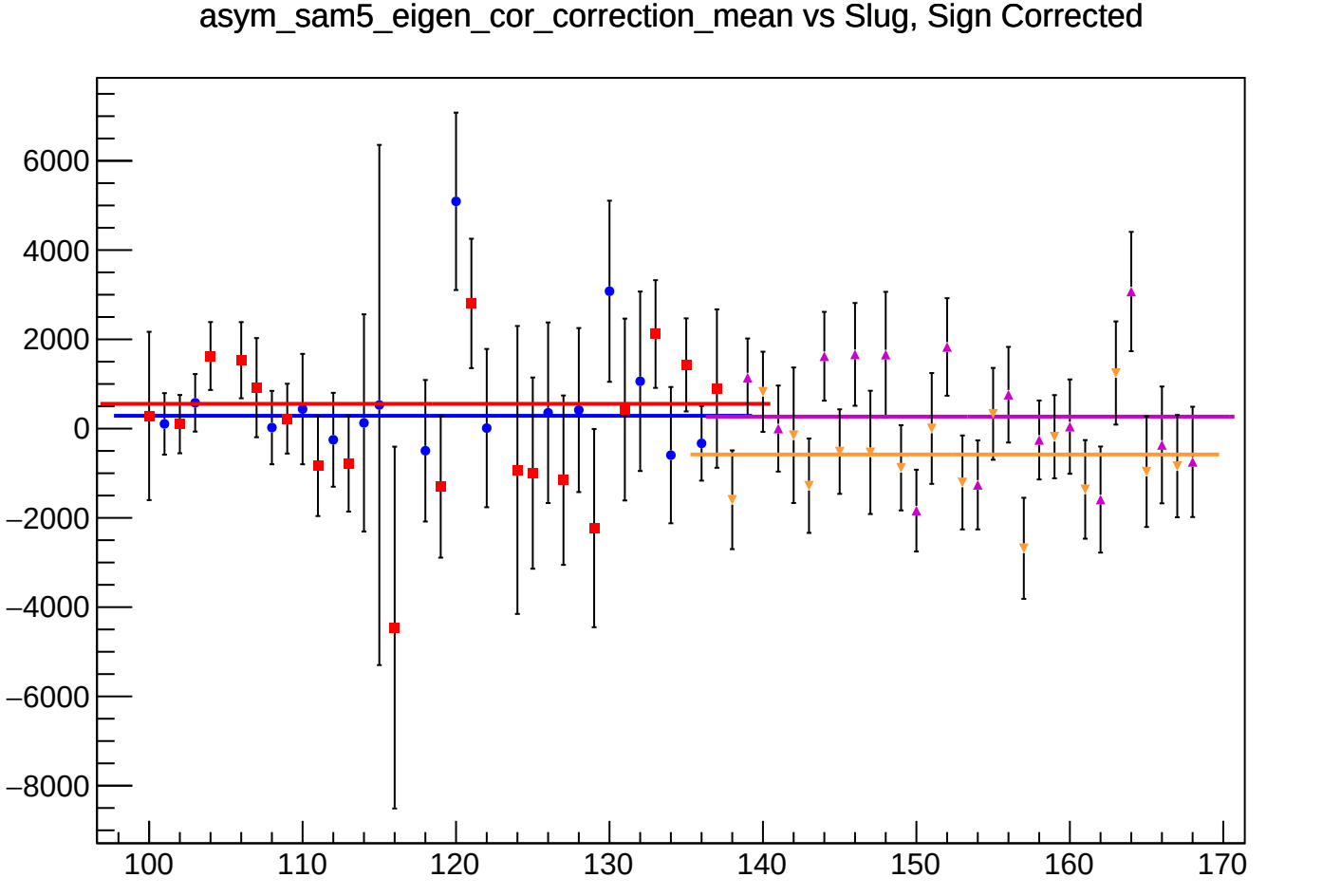
Left: 151.045+/-0.021 χ^2/NDF: 602927.5/30

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 126.949+/-0.021 χ^2/NDF:2533534.1/30

Out: 121.706+/-0.020 χ^2/NDF:2879670.5/34

All: 124.199+/-0.014 χ^2/NDF: 5446021.9/65



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -579.224+/-271.879 χ^2/NDF:12.0/15

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 268.830+/-274.944 χ^2/NDF:23.4/14

Left: -159.951+/-193.322 χ^2/NDF: 40.2/30

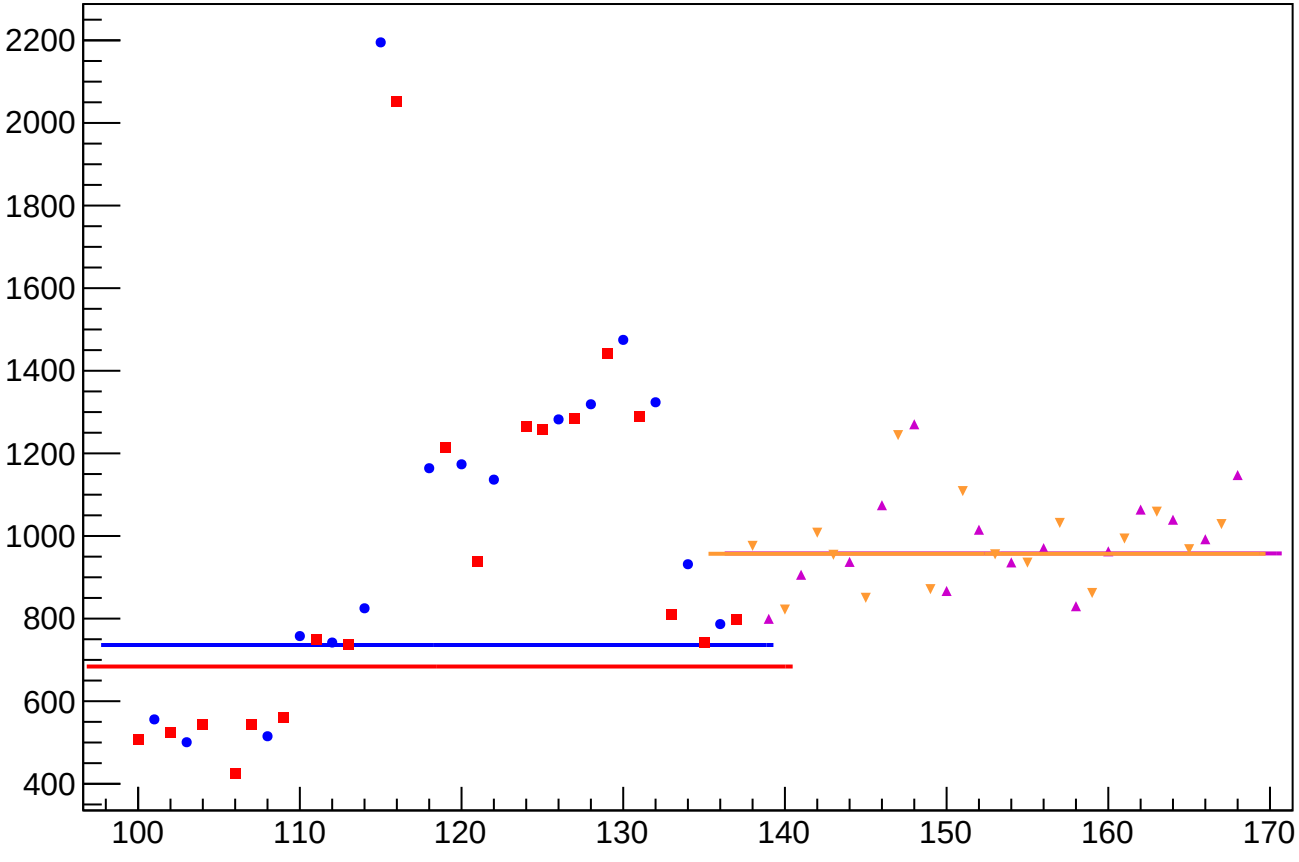
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 277.285+/-200.646 χ^2/NDF:33.1/30

Out: -7.861+/-191.563 χ^2/NDF:38.8/34

All: 128.112+/-138.555 χ^2/NDF: 73.0/65

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 956.946+/-0.192 χ^2/NDF:262095.1/15

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.792+/-0.194 χ^2/NDF:331144.5/14

Left: 957.364+/-0.137 χ^2/NDF: 593249.2/30

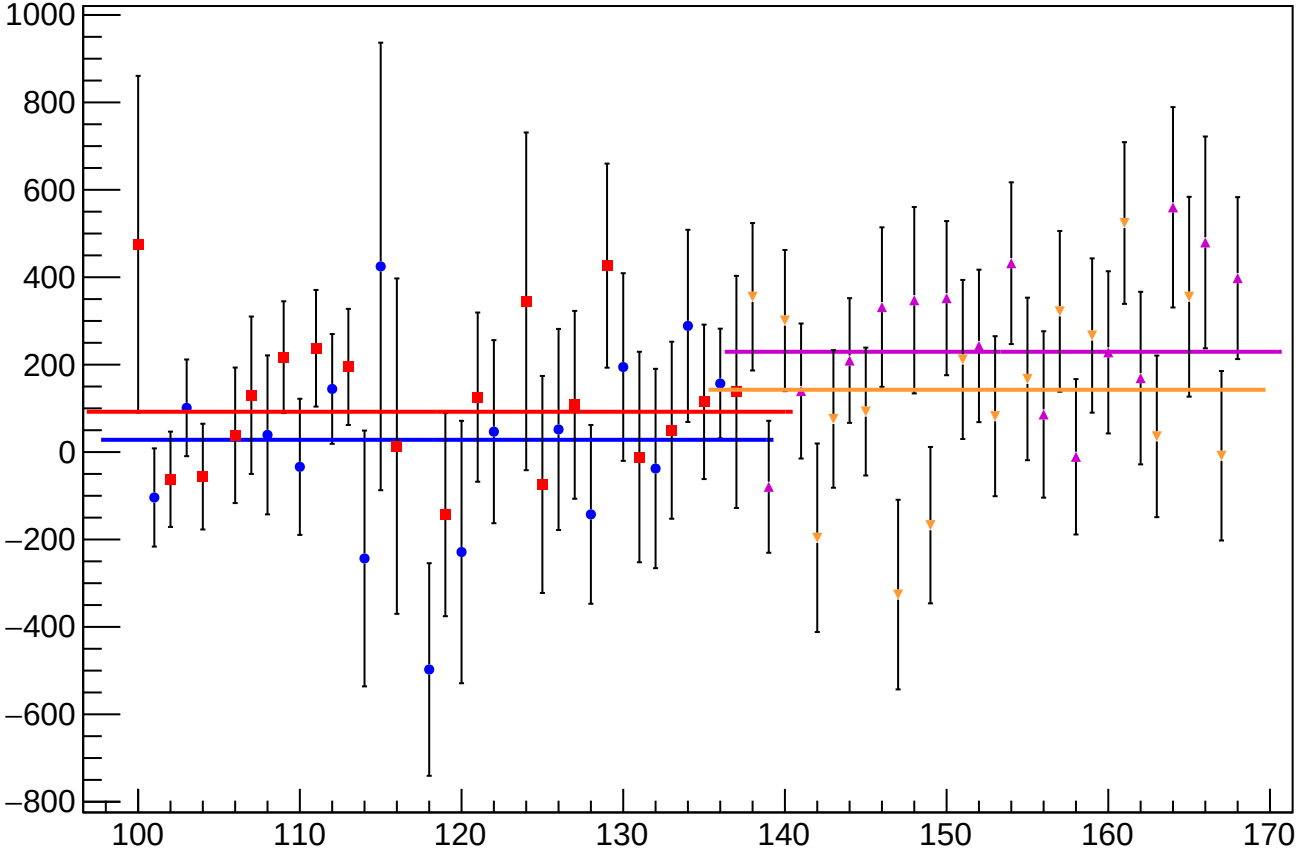
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 854.157+/-0.142 χ^2/NDF:2783536.5/30

Out: 819.493+/-0.135 χ^2/NDF:3127667.9/34

All: 836.023+/-0.098 χ^2/NDF: 5942432.9/65

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.563+/-45.200 χ^2/NDF:20.8/15

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 229.461+/-46.605 χ^2/NDF:13.3/14

Left: 184.683+/-32.447 χ^2/NDF: 35.9/30

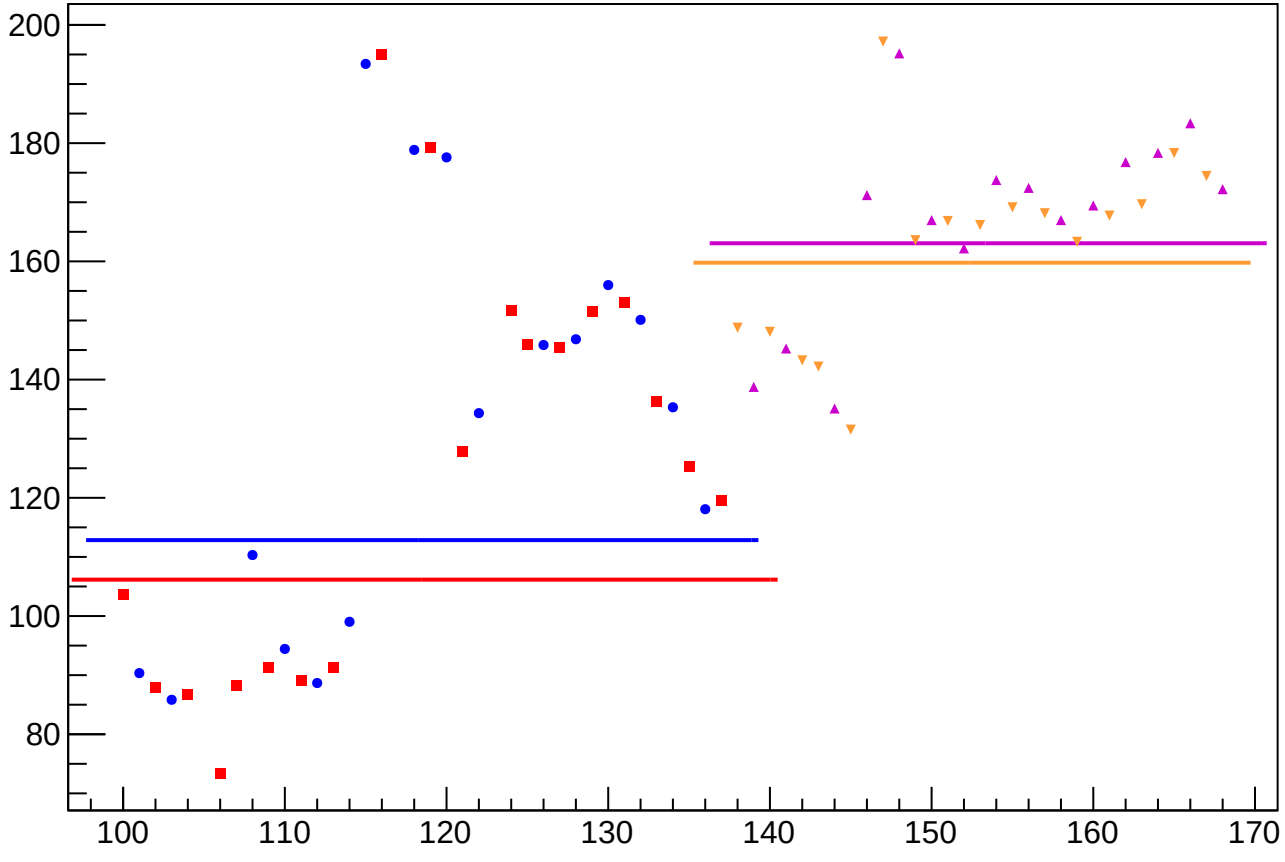
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 121.706+/-31.776 χ^2/NDF:36.9/30

Out: 114.678+/-30.179 χ^2/NDF:33.1/34

All: 118.011+/-21.883 χ^2/NDF: 70.0/65

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 159.771+/-0.032 χ^2/NDF:240091.2/15

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 163.064+/-0.033 χ^2/NDF:258016.2/14

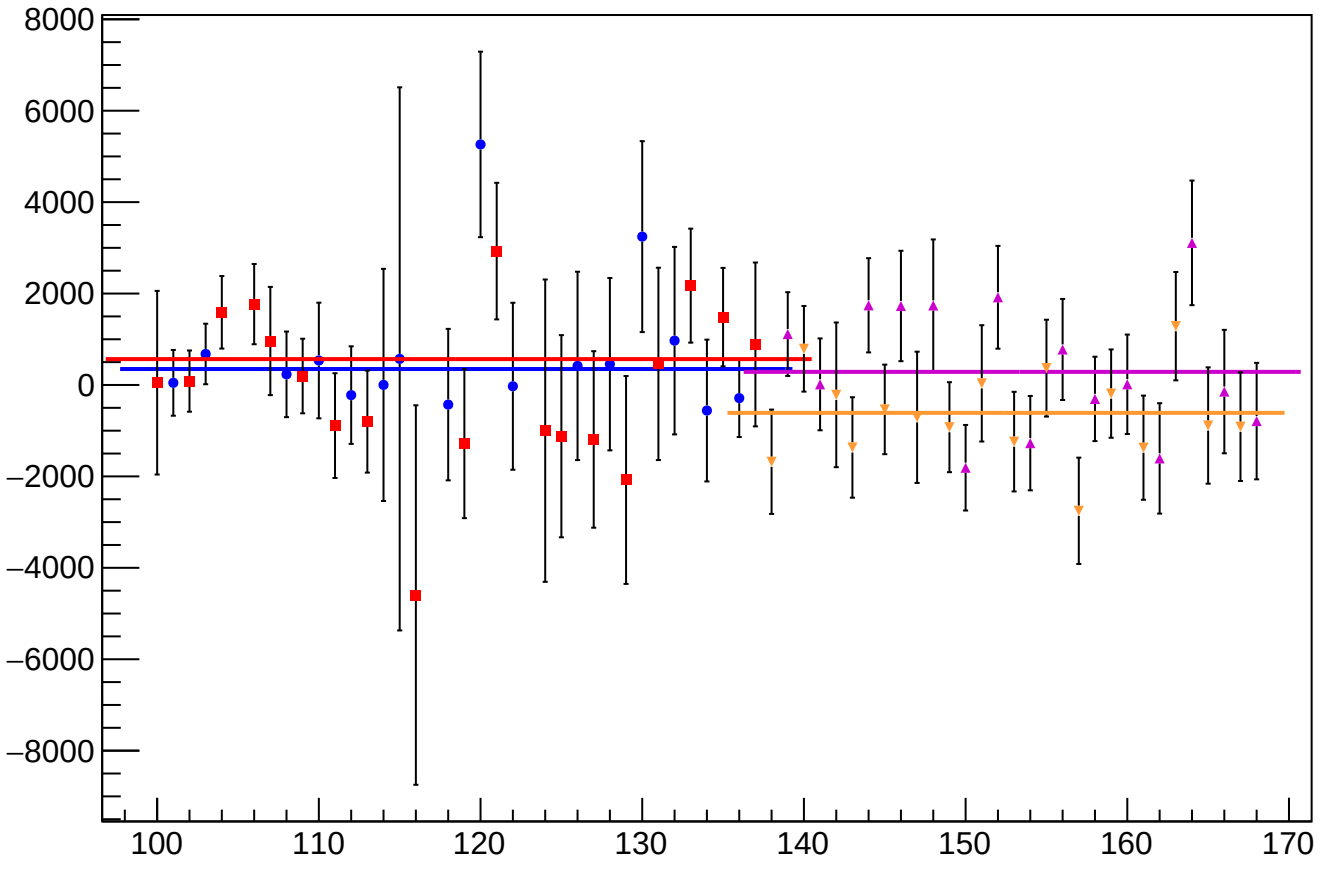
Left: 161.367+/-0.023 χ^2/NDF: 503251.8/30

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 136.190+/-0.022 χ^2/NDF:2373026.2/30

Out: 130.059+/-0.021 χ^2/NDF:2801635.0/34

All: 132.966+/-0.015 χ^2/NDF: 5213805.2/65



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.138+/-281.012 χ^2/NDF:11.9/15

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 286.966+/-284.165 χ^2/NDF:23.0/14

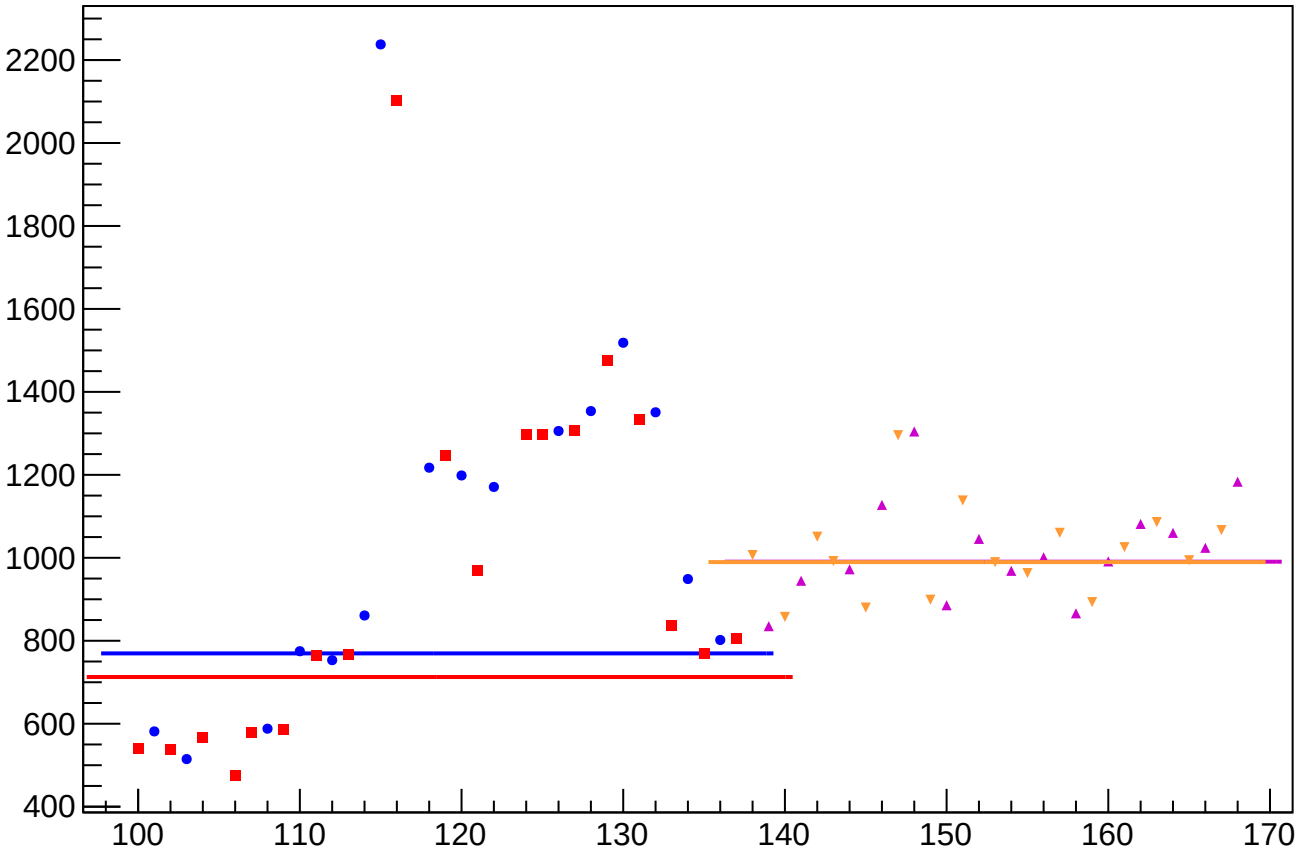
Left: -166.590+/-199.811 χ^2/NDF: 39.9/30

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 315.811+/-208.015 χ^2/NDF:32.8/30

Out: -18.291+/-198.068 χ^2/NDF:39.0/34

All: 140.582+/-143.443 χ^2/NDF: 73.2/65



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 989.678+/-0.199 χ^2/NDF:255675.9/15

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 990.633+/-0.201 χ^2/NDF:313645.8/14

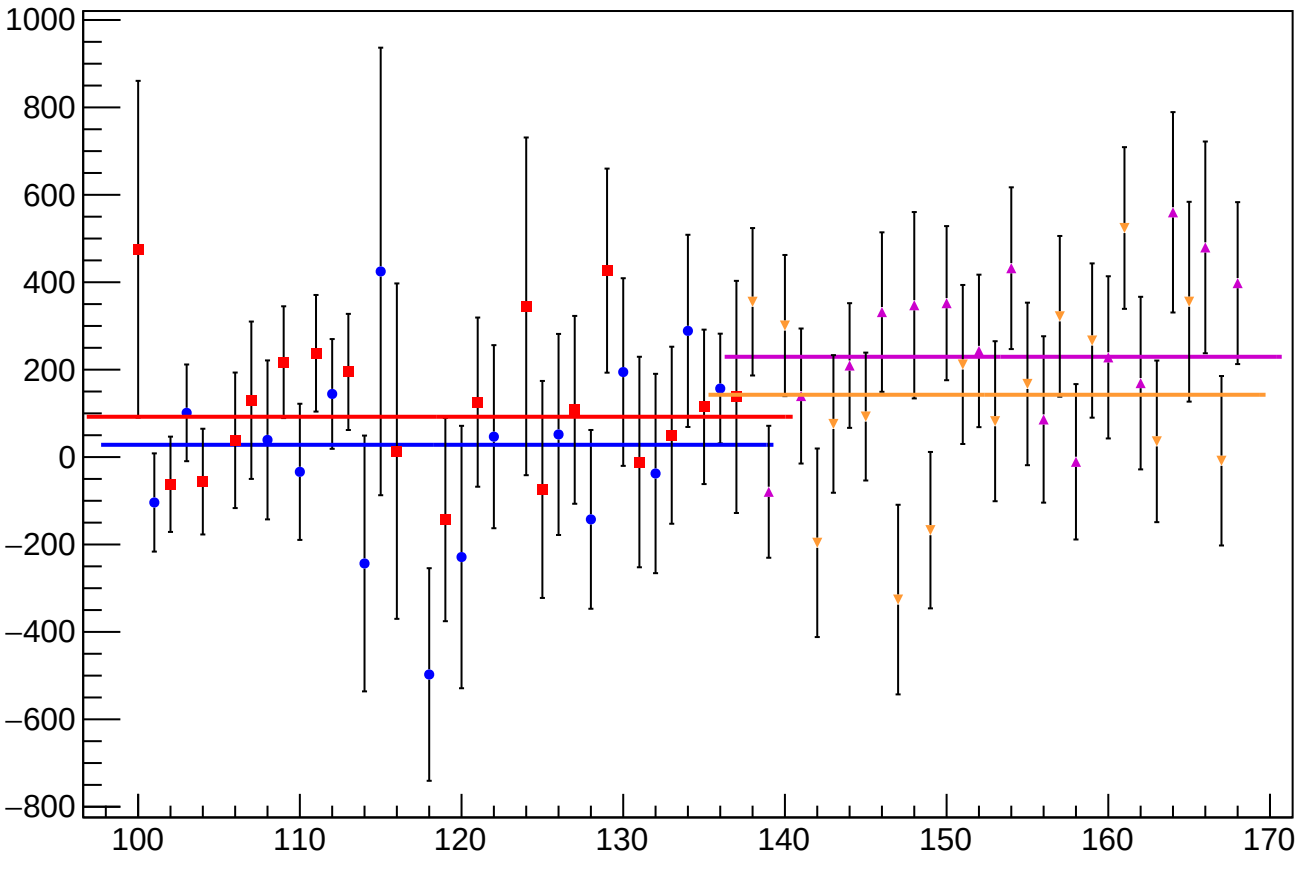
Left: 990.150+/-0.141 χ^2/NDF: 569333.0/30

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

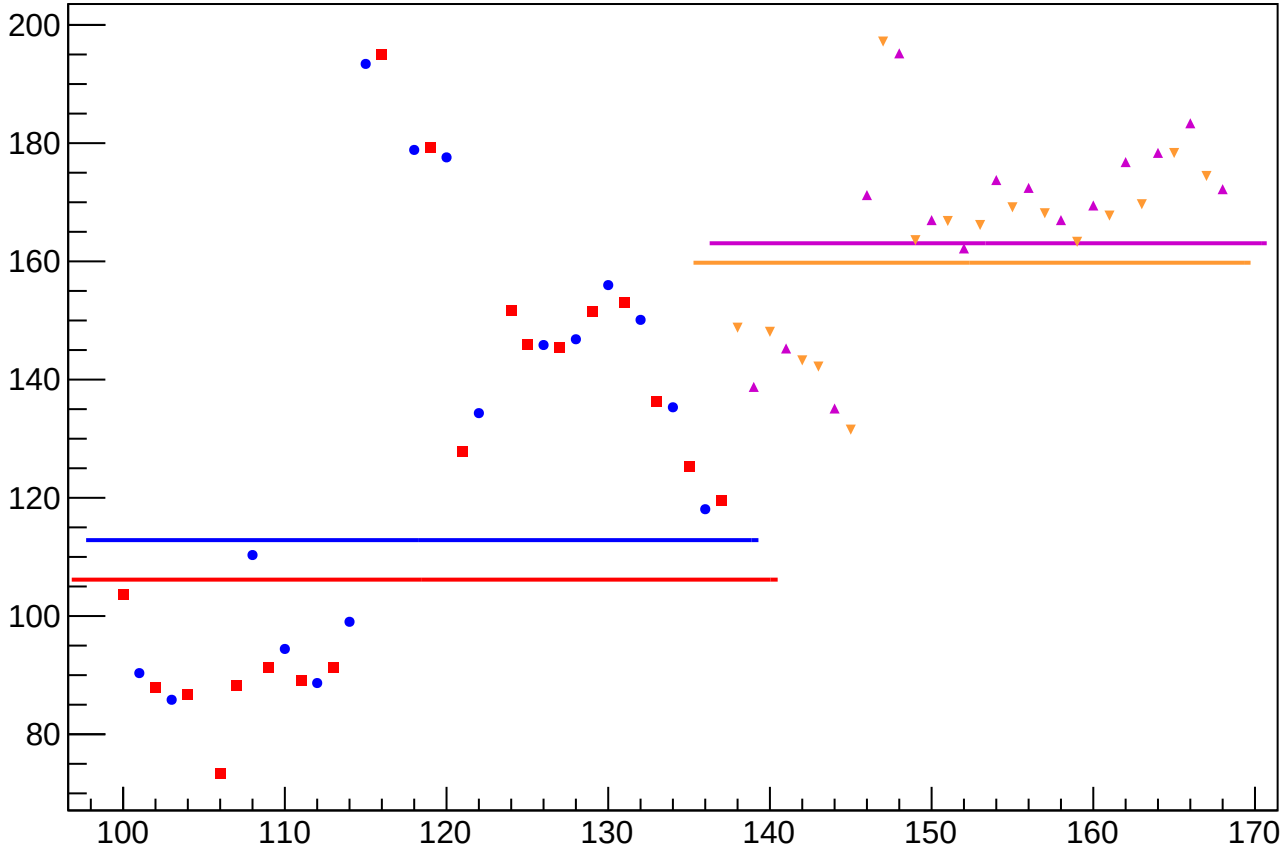
In: 888.022+/-0.147 χ^2/NDF:2615439.8/30

Out: 850.267+/-0.140 χ^2/NDF:3001126.4/34

All: 868.220+/-0.101 χ^2/NDF: 5651122.2/65


eigen_dit_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 28.093+/-43.439 χ²/NDF: 13.6/15
Left Out: 142.564+/-45.200 χ²/NDF:20.8/15
Right Out: 92.247+/-40.539 χ²/NDF: 11.7/18
Left In: 229.463+/-46.605 χ²/NDF:13.3/14
Left: 184.684+/-32.447 χ²/NDF: 35.9/30
Right: 62.383+/-29.637 χ²/NDF: 26.4/34
In: 121.706+/-31.776 χ²/NDF:36.9/30
Out: 114.678+/-30.179 χ²/NDF:33.1/34
All: 118.011+/-21.883 χ²/NDF: 70.0/65

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 159.772+/-0.032 χ^2/NDF:240091.2/15

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 163.064+/-0.033 χ^2/NDF:258010.2/14

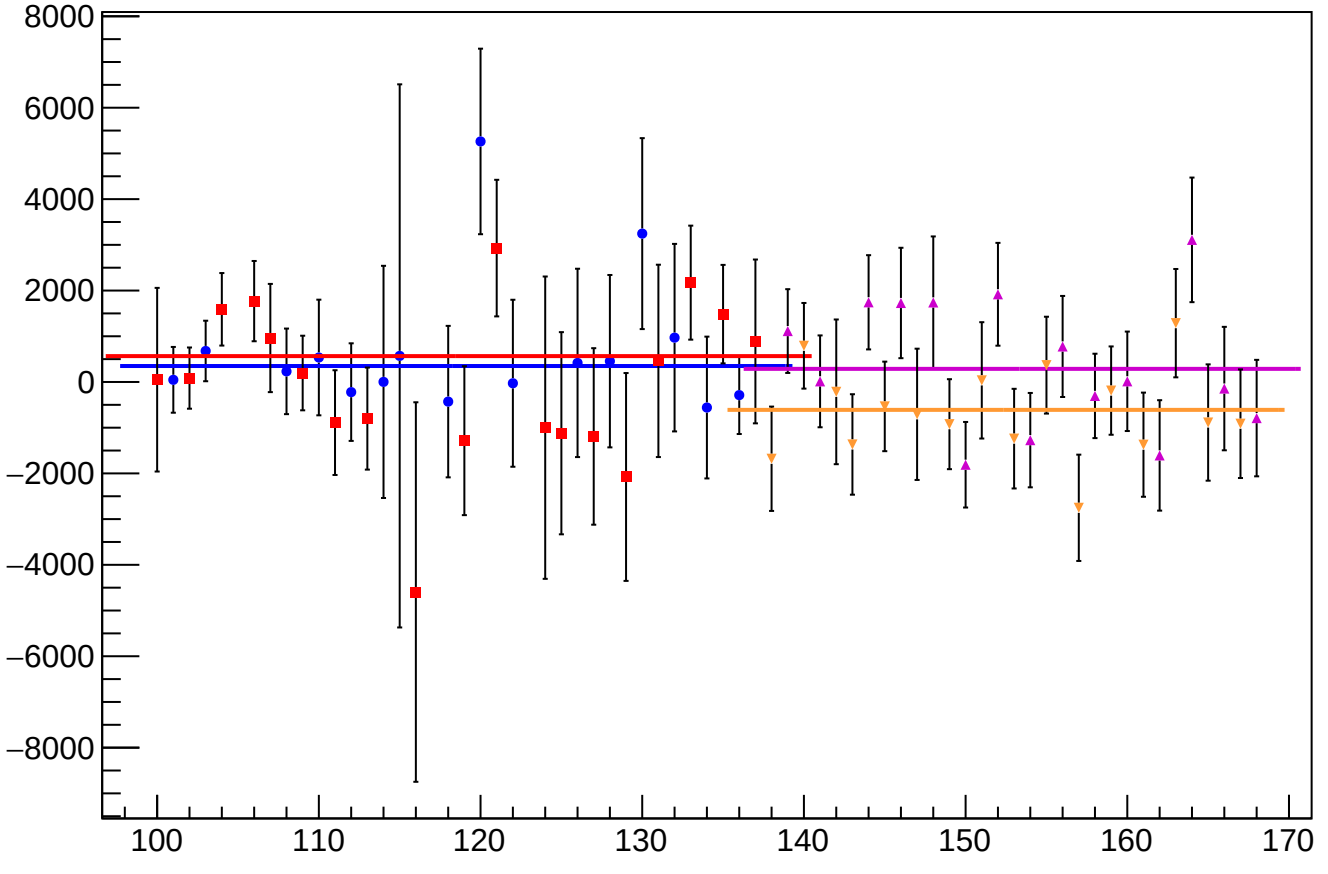
Left: 161.368+/-0.023 χ^2/NDF: 503245.9/30

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 136.190+/-0.022 χ^2/NDF:2373042.8/30

Out: 130.059+/-0.021 χ^2/NDF:2801646.6/34

All: 132.966+/-0.015 χ^2/NDF: 5213833.1/65



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -610.137+/-281.012 χ^2/NDF:11.9/15

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 286.966+/-284.165 χ^2/NDF:23.0/14

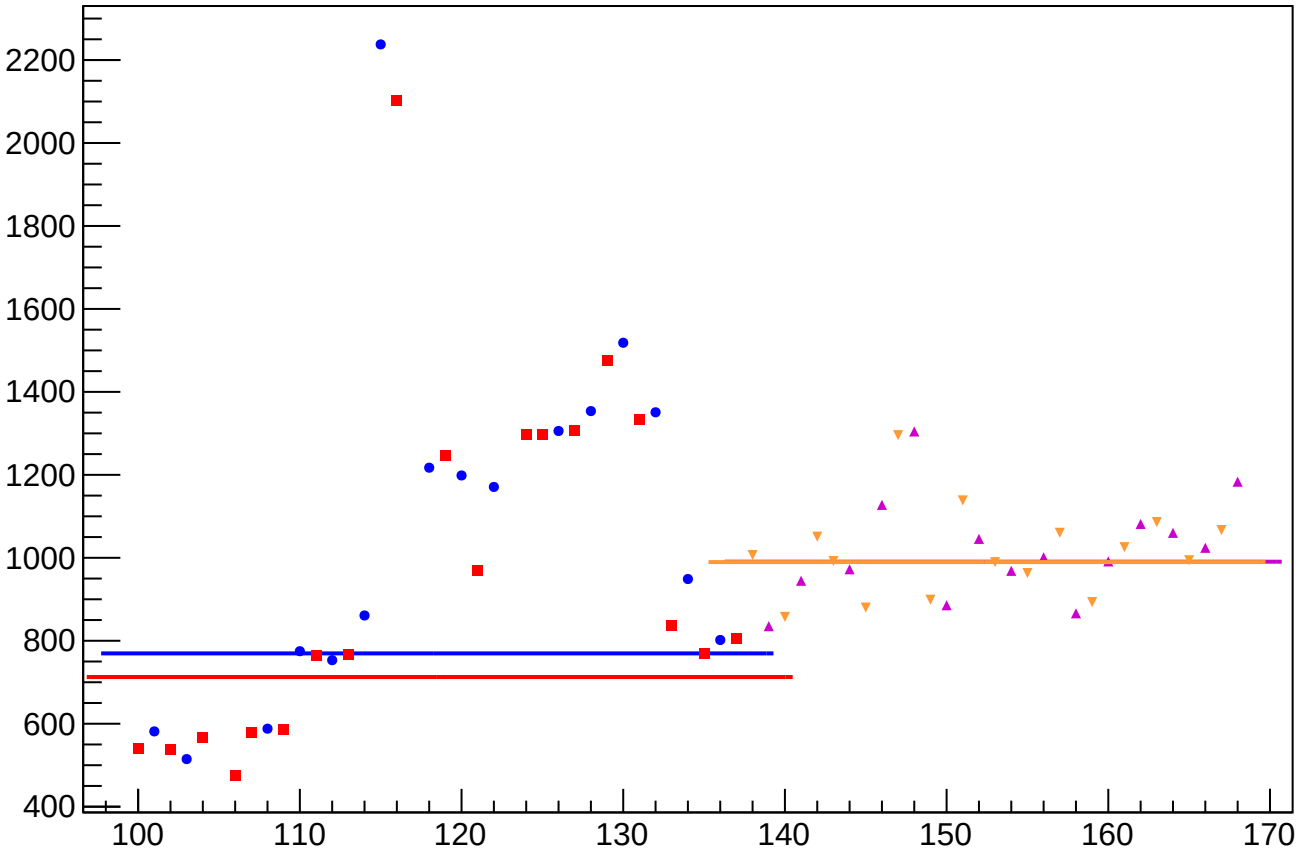
Left: -166.590+/-199.811 χ^2/NDF: 39.9/30

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 315.811+/-208.015 χ^2/NDF:32.8/30

Out: -18.289+/-198.068 χ^2/NDF:39.0/34

All: 140.583+/-143.443 χ^2/NDF: 73.2/65



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 989.680+/-0.199 χ^2/NDF:255675.4/15

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 990.634+/-0.201 χ^2/NDF:313644.8/14

Left: 990.152+/-0.141 χ^2/NDF: 569331.6/30

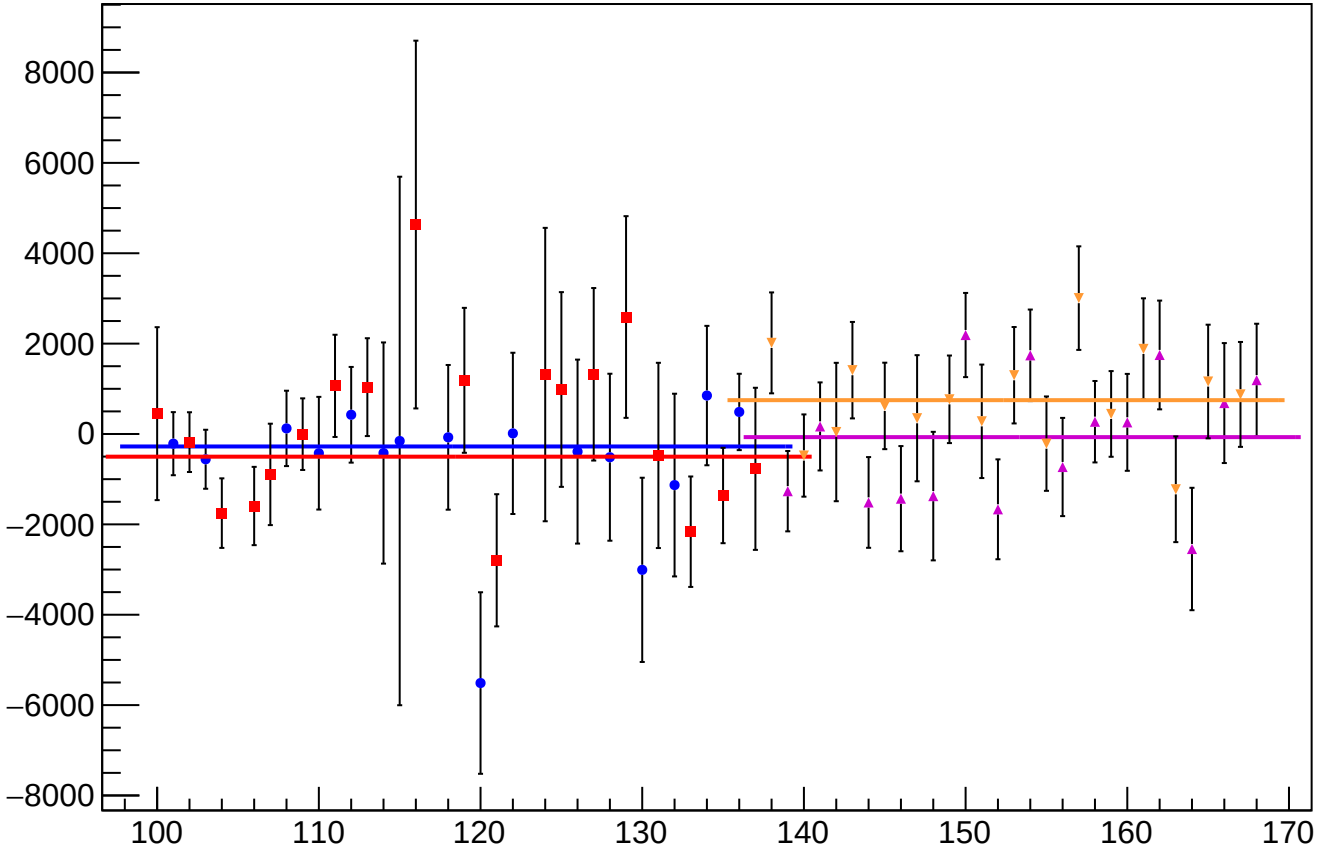
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 888.022+/-0.147 χ^2/NDF:2615448.3/30

Out: 850.266+/-0.140 χ^2/NDF:3001137.0/34

All: 868.220+/-0.101 χ^2/NDF: 5651141.5/65

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 748.566+/-275.350 χ^2/NDF:13.0/15

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -69.374+/-278.636 χ^2/NDF:24.9/14

Left: 344.448+/-195.853 χ^2/NDF: 42.3/30

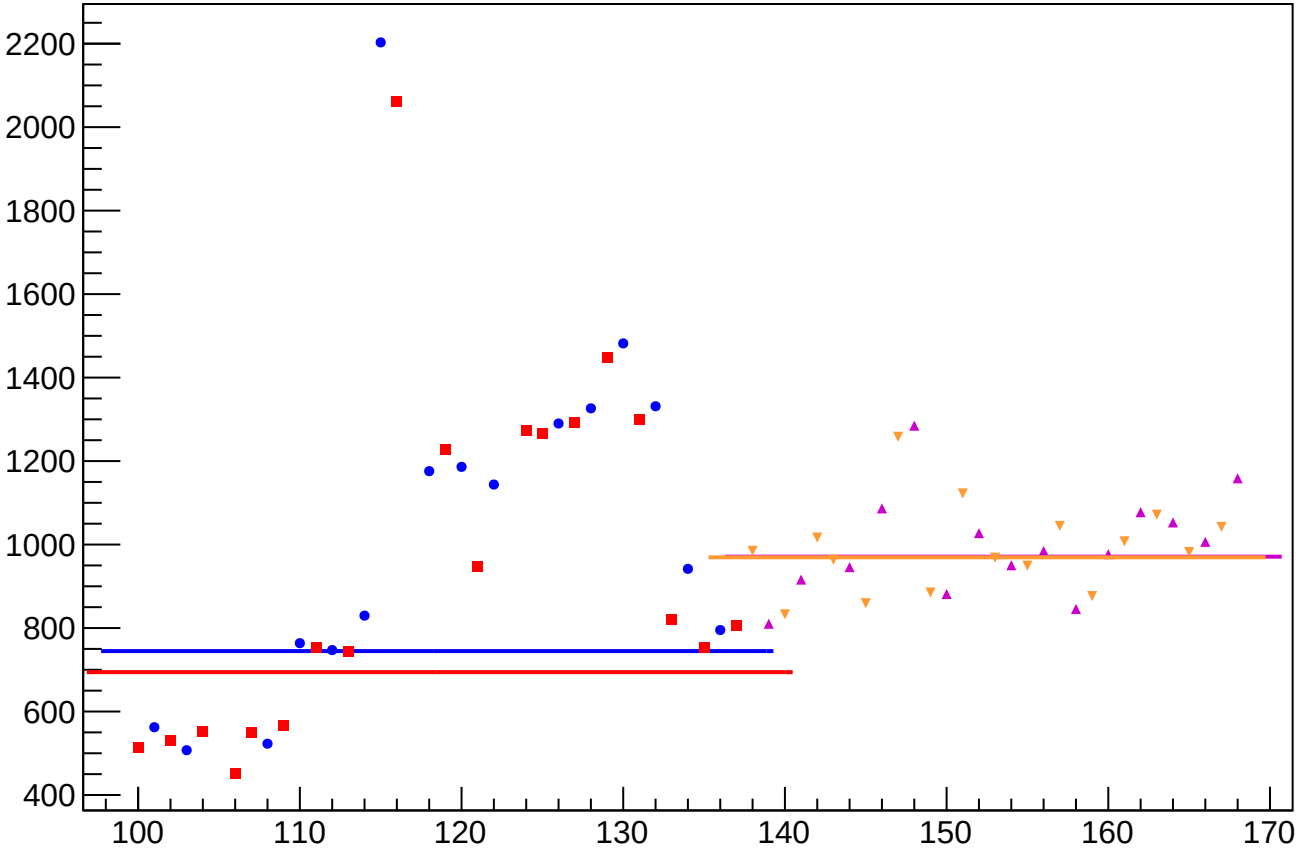
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -166.296+/-203.114 χ^2/NDF:36.2/30

Out: 117.911+/-193.862 χ^2/NDF:43.9/34

All: -17.573+/-140.238 χ^2/NDF: 81.1/65

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 969.404+/-0.195 χ^2/NDF:258523.6/15

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 970.956+/-0.197 χ^2/NDF:323152.8/14

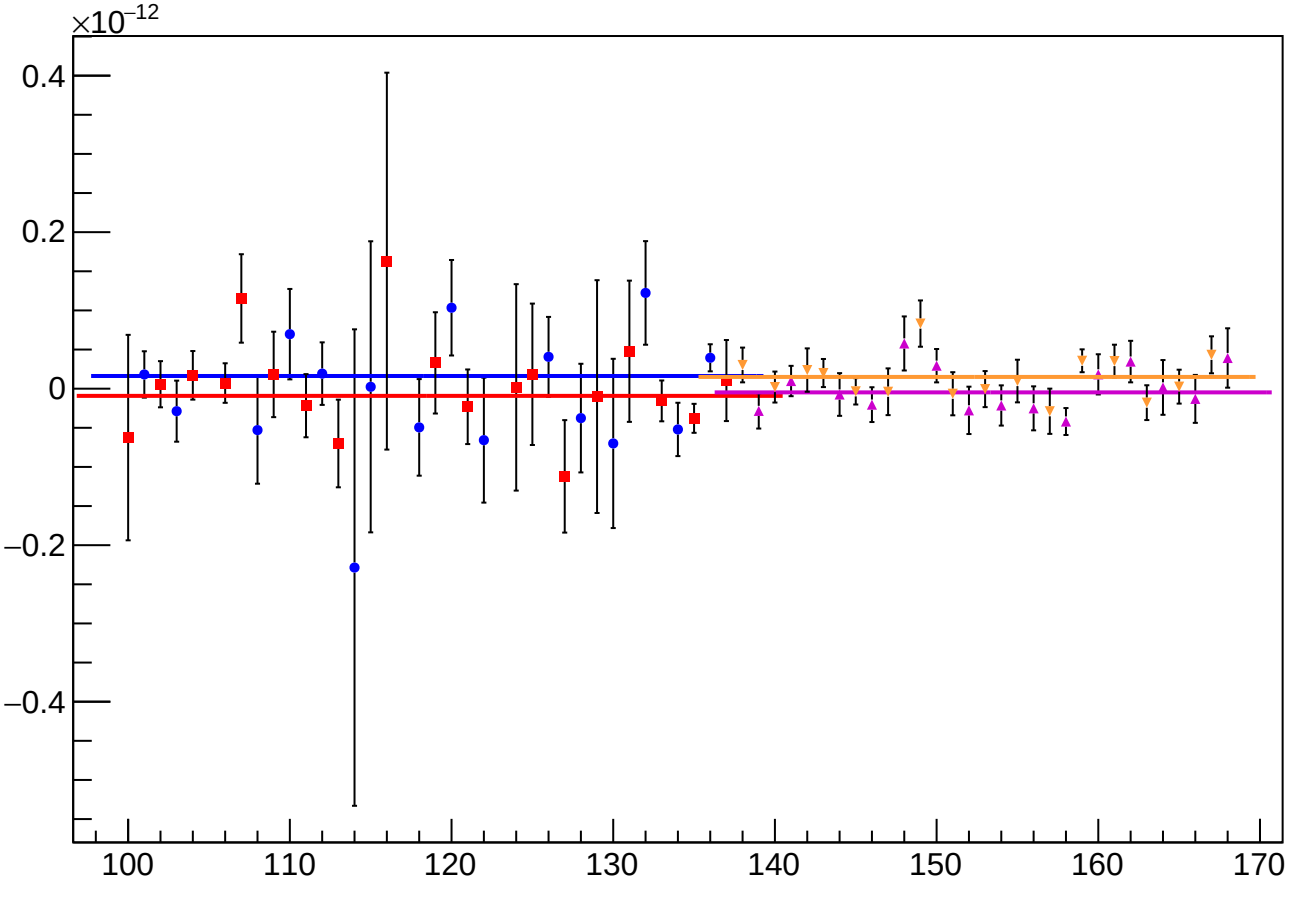
Left: 970.171+/-0.138 χ^2/NDF: 581707.8/30

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 864.967+/-0.144 χ^2/NDF:2763239.4/30

Out: 830.693+/-0.137 χ^2/NDF:3068714.0/34

All: 847.031+/-0.099 χ^2/NDF: 5861754.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/14

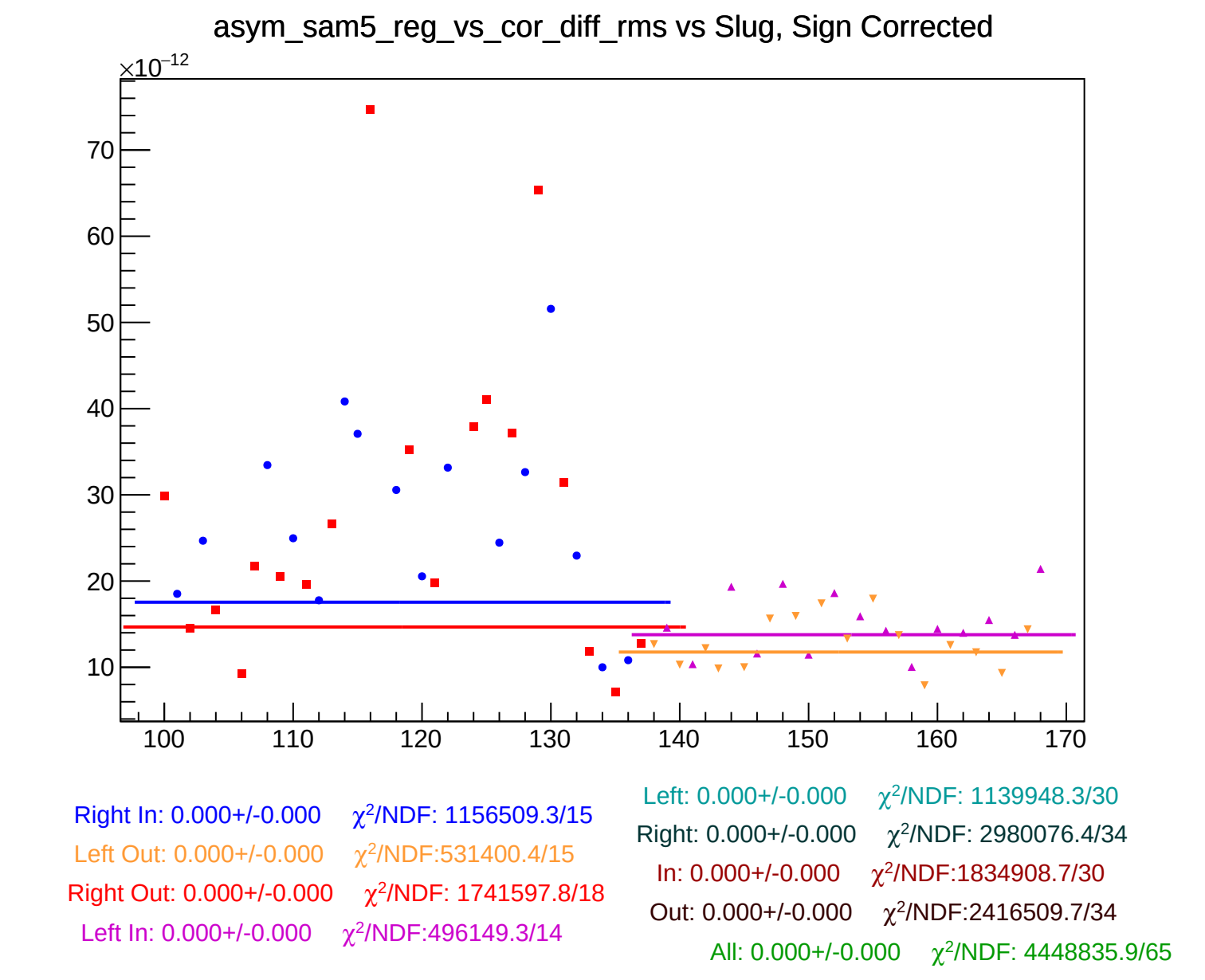
Left: 0.000+/-0.000 χ^2/NDF: 42.4/30

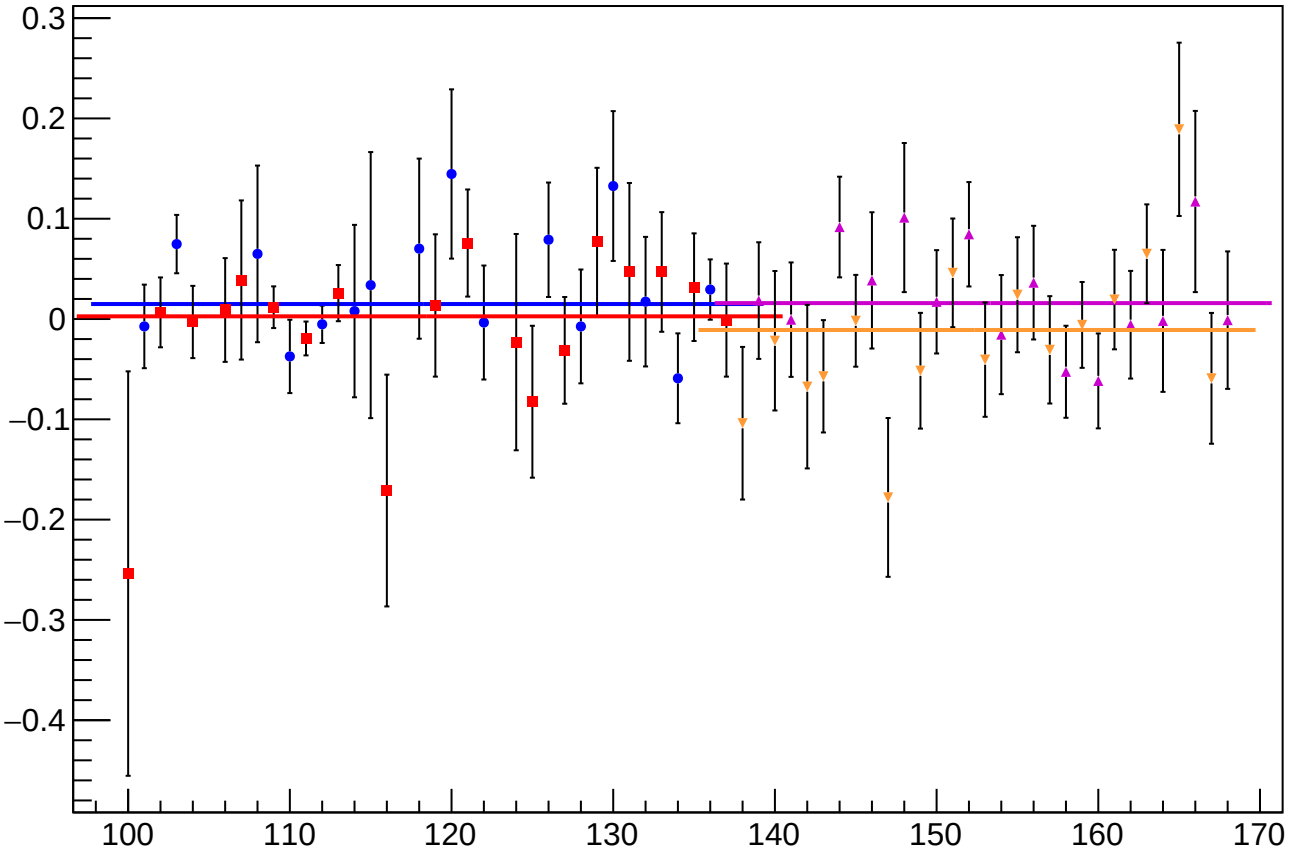
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.4/30

Out: 0.000+/-0.000 χ^2/NDF:37.4/34

All: 0.000+/-0.000 χ^2/NDF: 78.0/65


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:531400.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:496149.3/14
Left: 0.000+/-0.000 χ²/NDF: 1139948.3/30
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1834908.7/30
Out: 0.000+/-0.000 χ²/NDF:2416509.7/34
All: 0.000+/-0.000 χ²/NDF: 4448835.9/65



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.015 χ^2/NDF:12.4/14

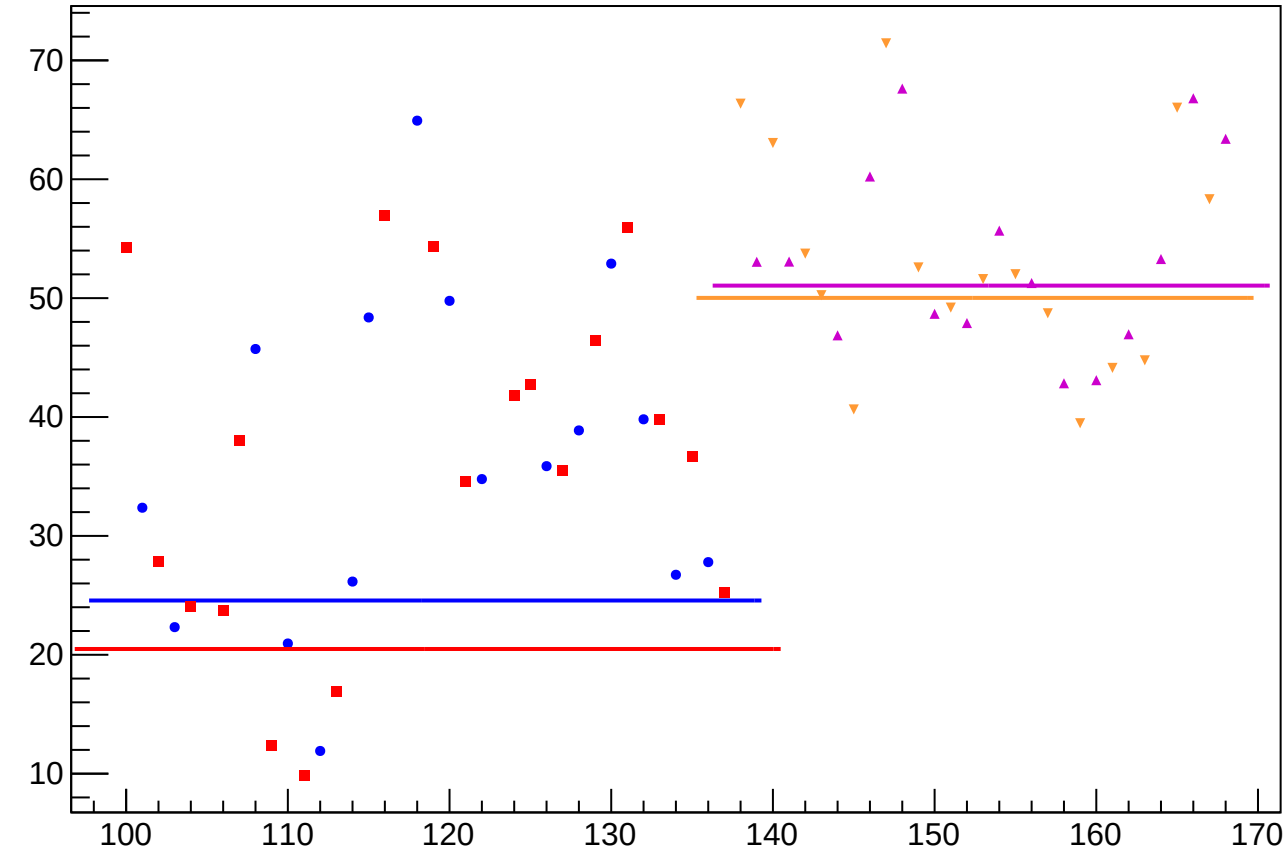
Left: 0.002+/-0.010 χ^2/NDF: 32.3/30

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:30.2/30

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/65



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.053+/-0.010 χ^2/NDF:438480.7/14

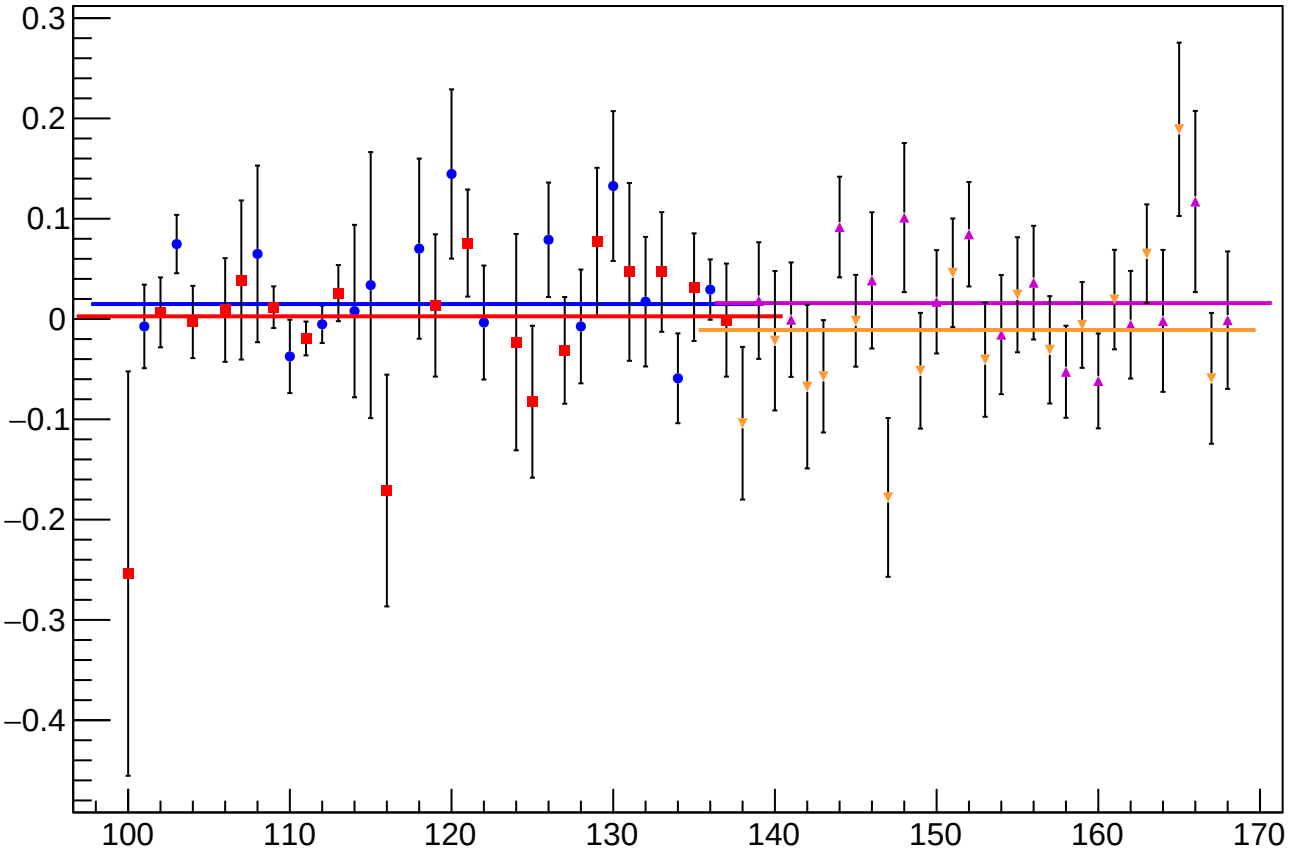
Left: 50.522+/-0.007 χ^2/NDF: 1123189.9/30

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.503+/-0.006 χ^2/NDF:7146569.7/30

Out: 29.080+/-0.005 χ^2/NDF:10226033.3/34

All: 31.063+/-0.004 χ^2/NDF: 17663156.1/65



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.015 χ^2/NDF:12.4/14

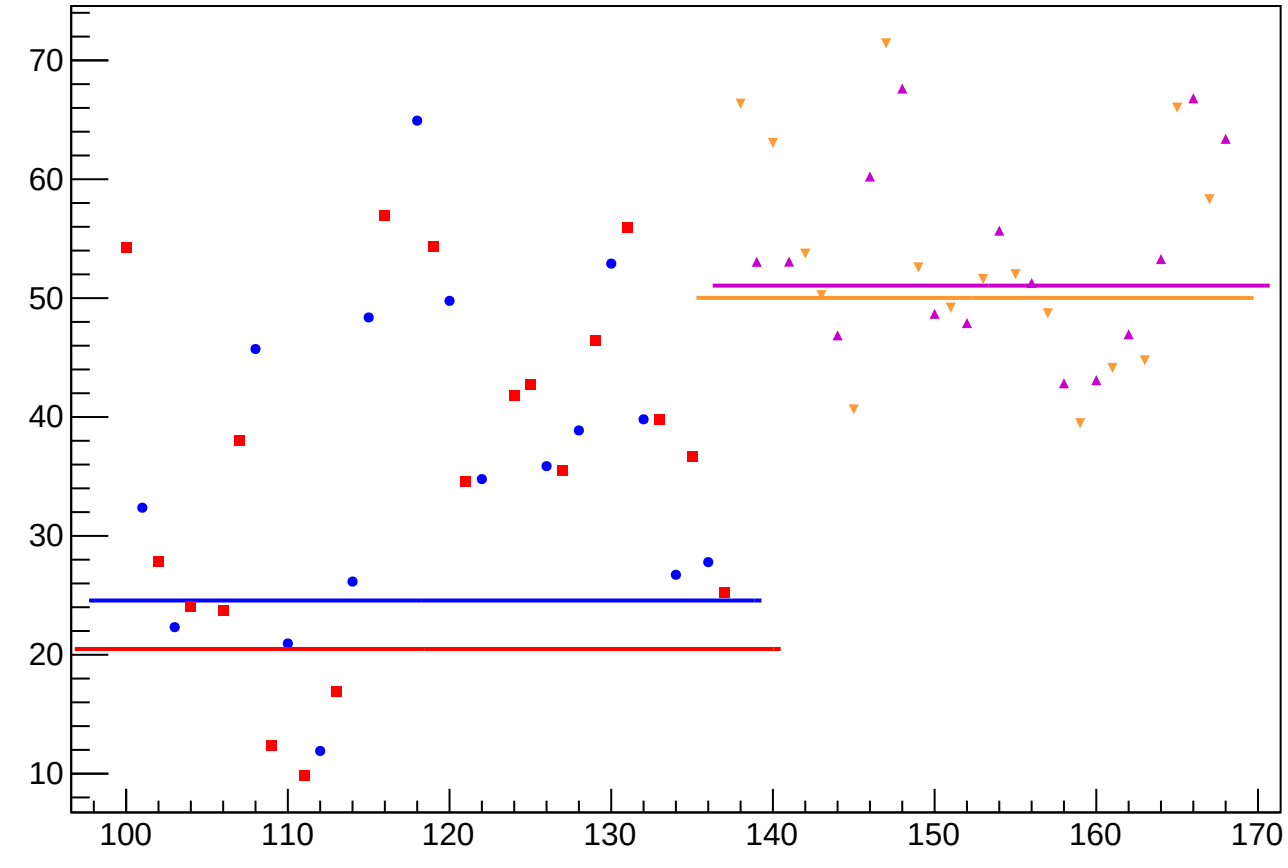
Left: 0.002+/-0.010 χ^2/NDF: 32.3/30

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:30.2/30

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/65



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.021+/-0.010 χ^2/NDF:679719.3/15

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.053+/-0.010 χ^2/NDF:438480.7/14

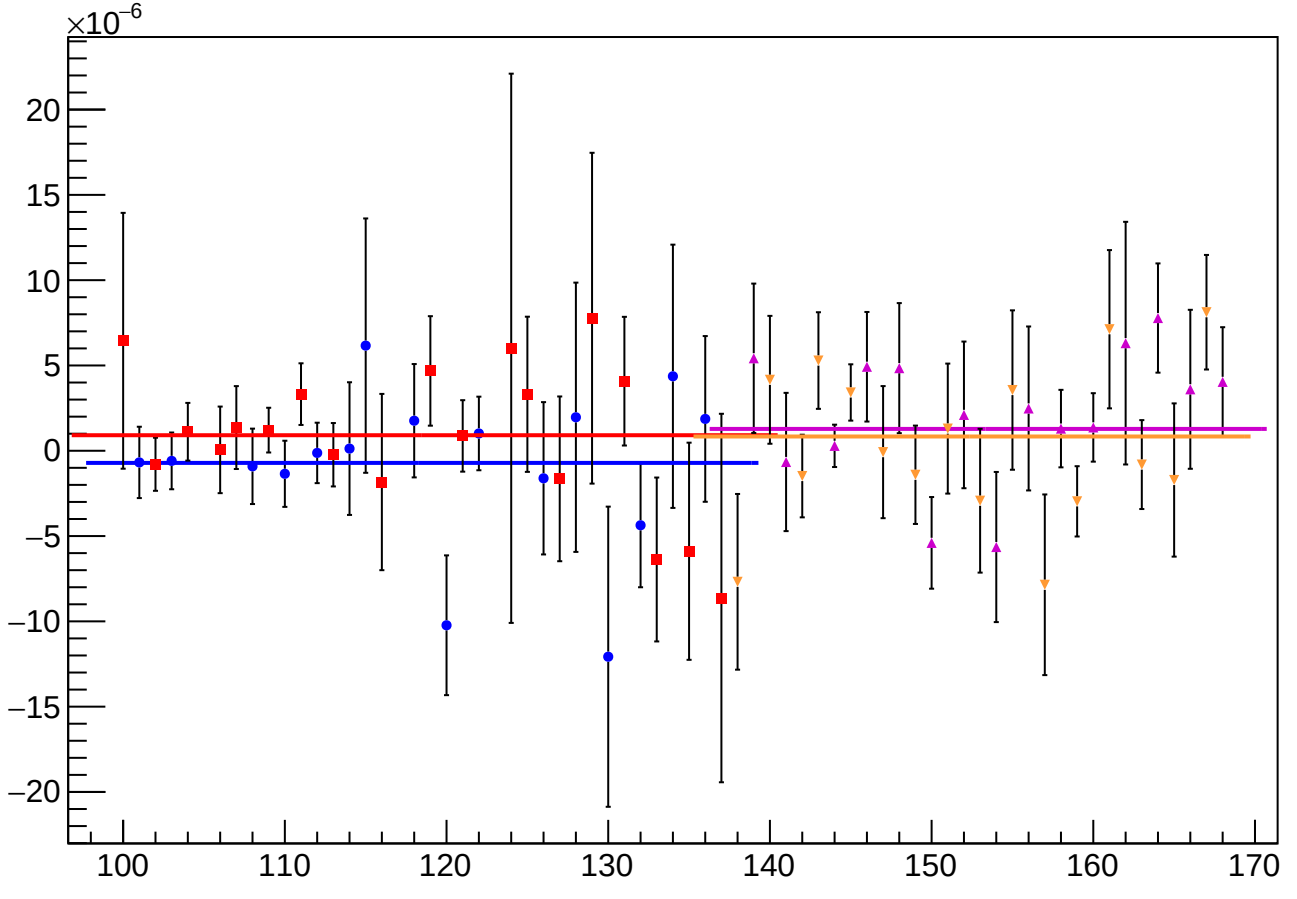
Left: 50.522+/-0.007 χ^2/NDF: 1123189.9/30

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.503+/-0.006 χ^2/NDF:7146569.7/30

Out: 29.080+/-0.005 χ^2/NDF:10226033.3/34

All: 31.063+/-0.004 χ^2/NDF: 17663156.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/14

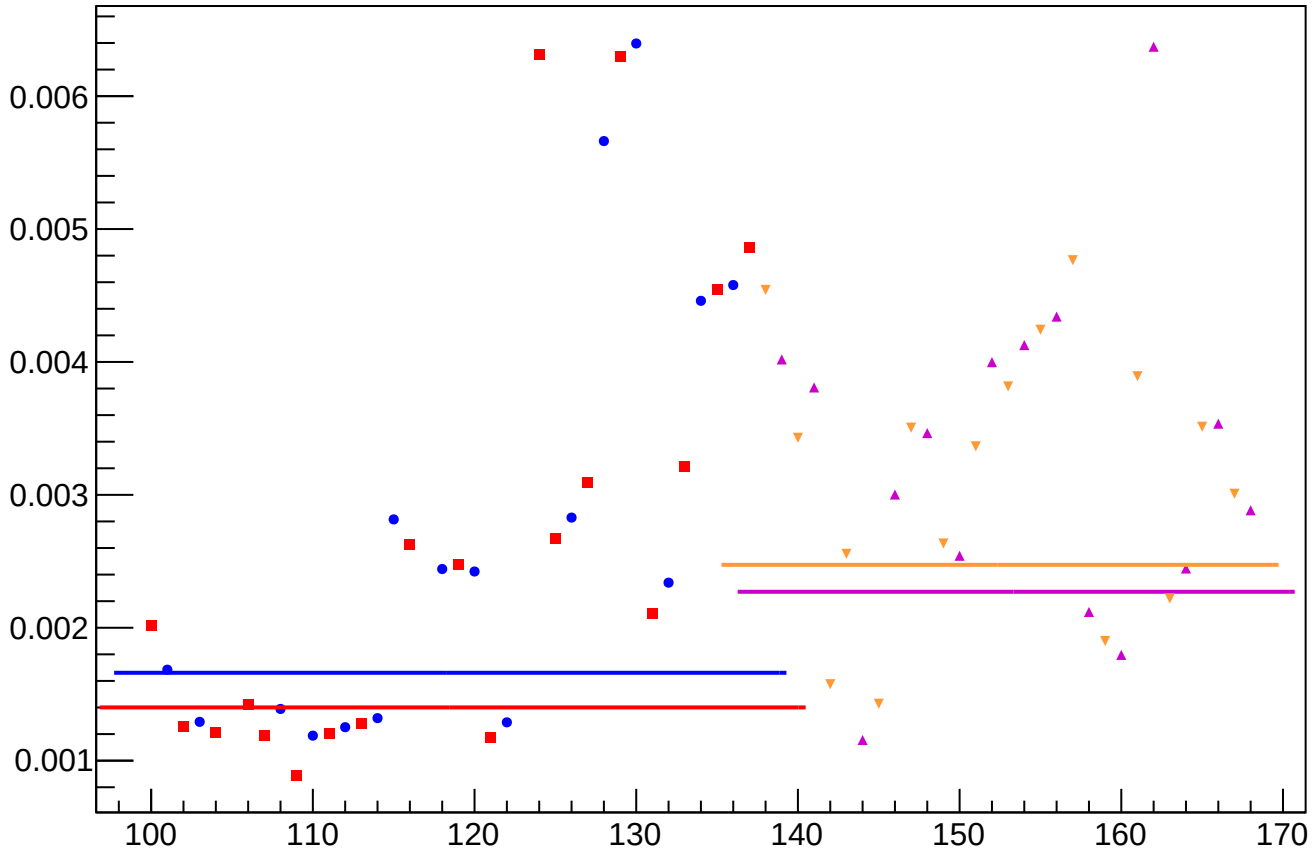
Left: 0.000+/-0.000 χ^2/NDF: 43.0/30

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:33.5/30

Out: 0.000+/-0.000 χ^2/NDF:36.4/34

All: 0.000+/-0.000 χ^2/NDF: 70.7/65



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3172503.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4603396.1/14

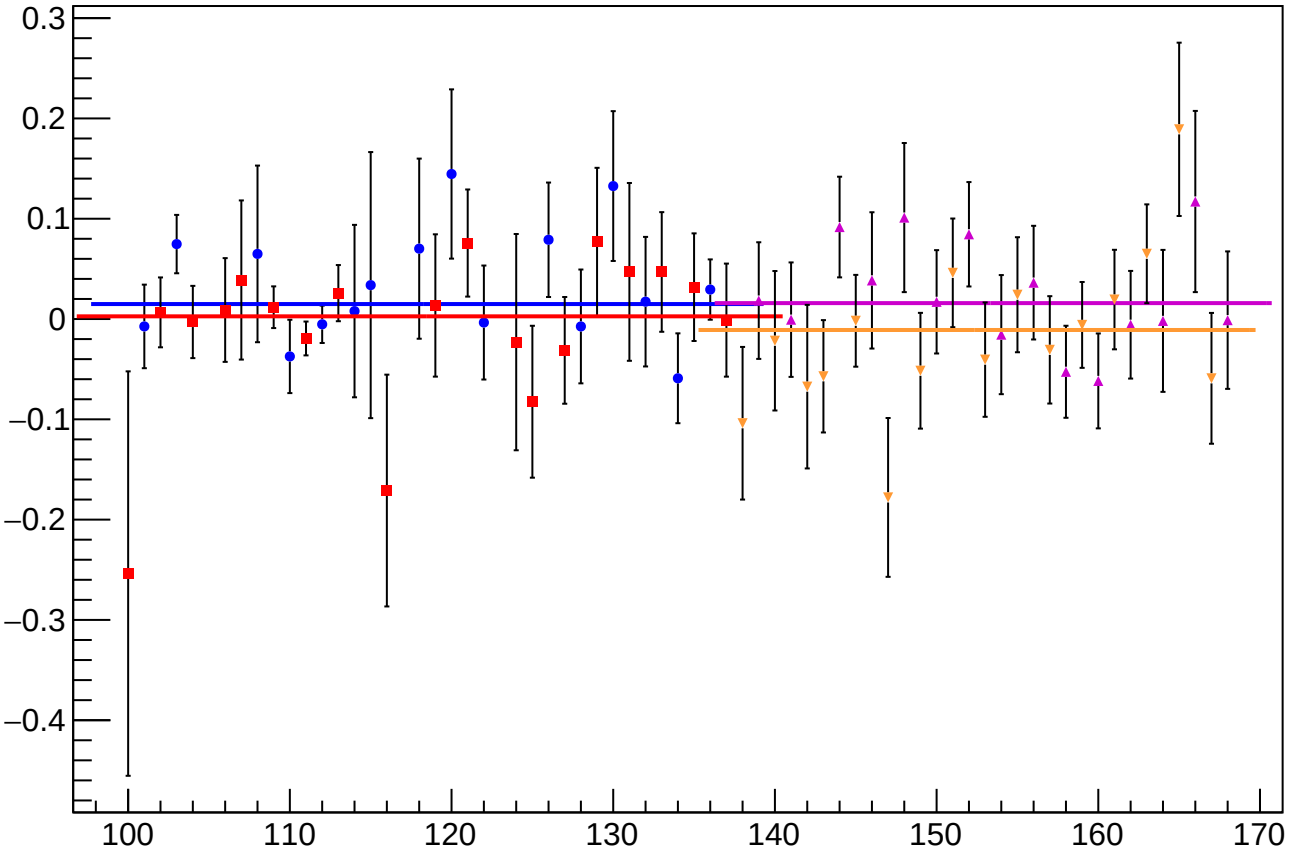
Left: 0.002+/-0.000 χ^2/NDF: 7850758.8/30

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8280507.1/30

Out: 0.002+/-0.000 χ^2/NDF:8584035.0/34

All: 0.002+/-0.000 χ^2/NDF: 16966160.1/65



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.015 χ^2/NDF:12.4/14

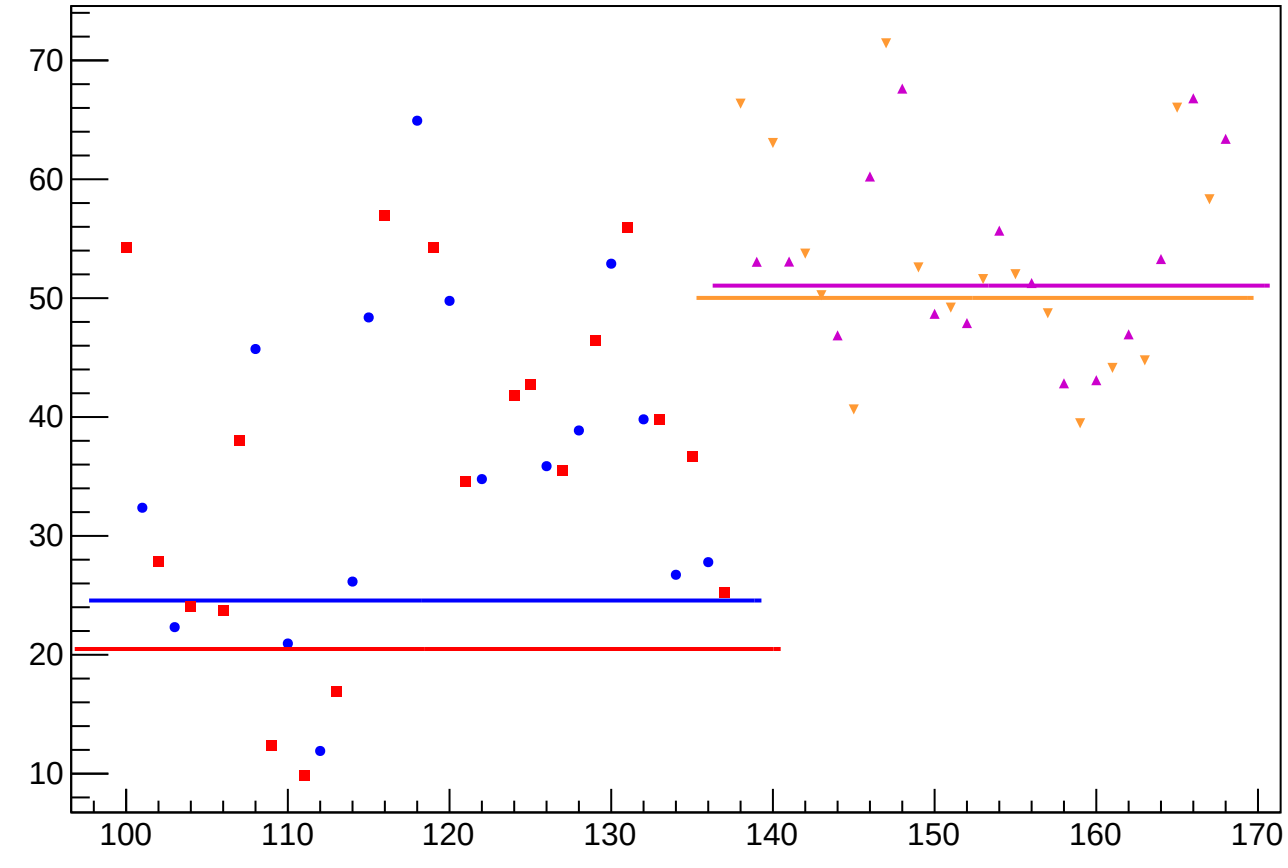
Left: 0.002+/-0.010 χ^2/NDF: 32.3/30

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:30.2/30

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/65



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.053+/-0.010 χ^2/NDF:438576.7/14

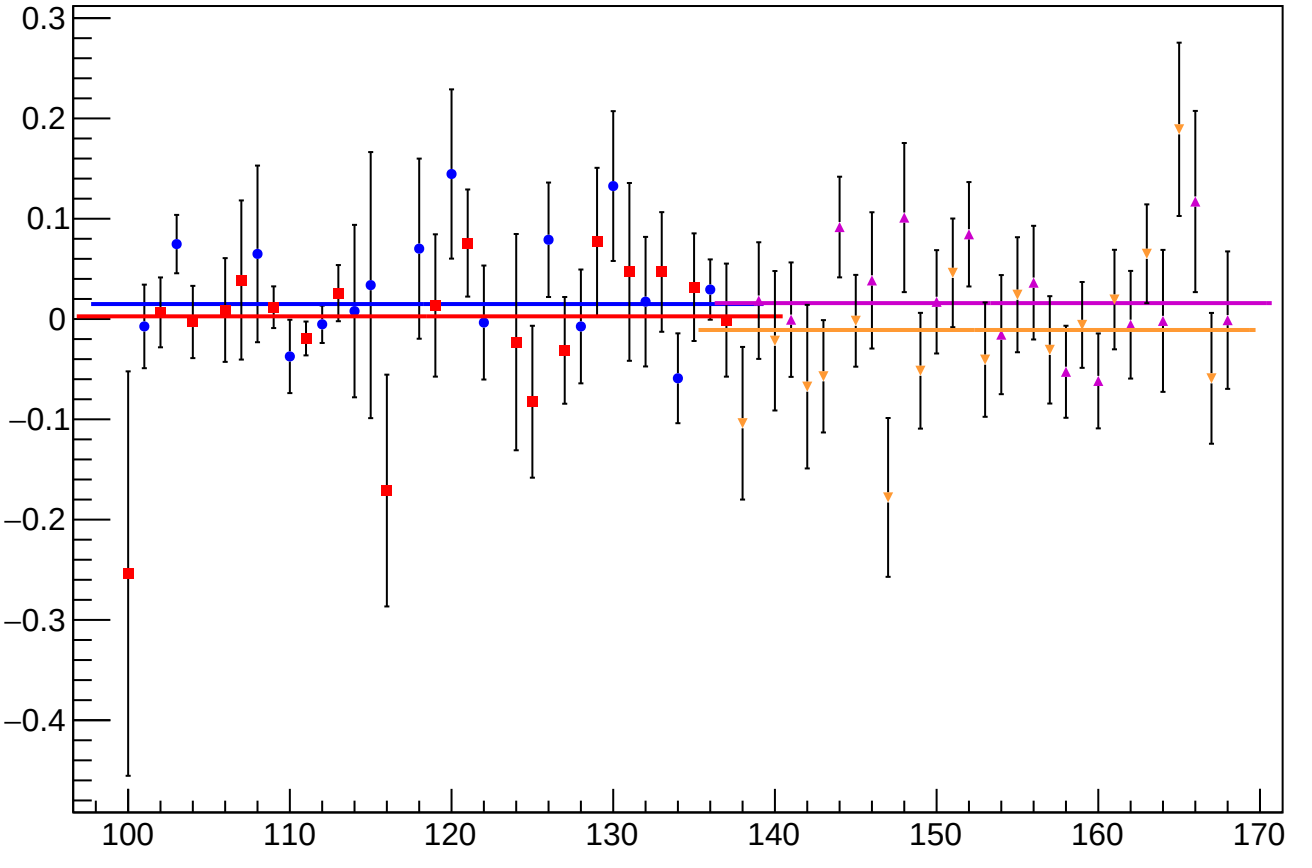
Left: 50.521+/-0.007 χ^2/NDF: 1123411.8/30

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.502+/-0.006 χ^2/NDF:7146763.6/30

Out: 29.080+/-0.005 χ^2/NDF:10226368.3/34

All: 31.062+/-0.004 χ^2/NDF: 17663700.6/65



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.011+/-0.014 χ^2/NDF:18.2/15

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.015 χ^2/NDF:12.4/14

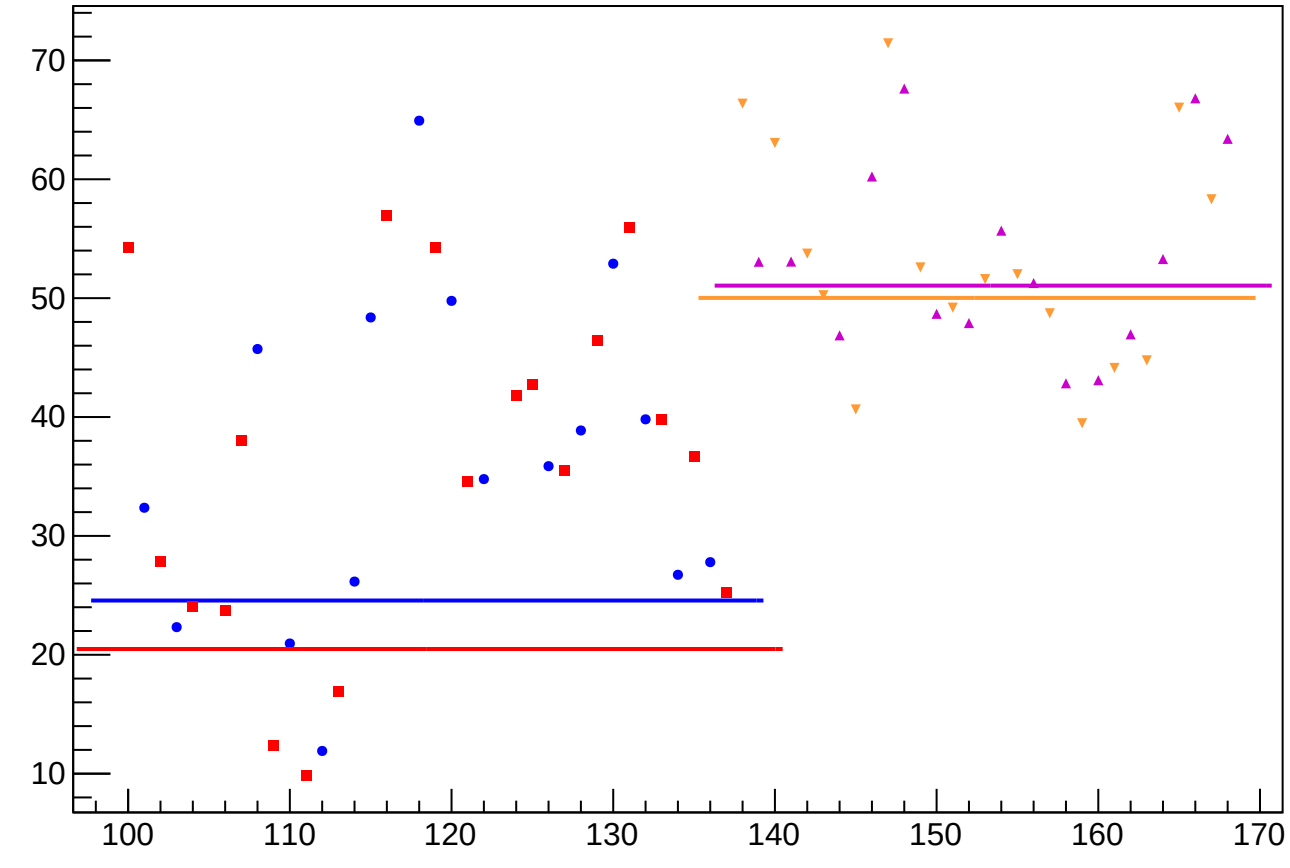
Left: 0.002+/-0.010 χ^2/NDF: 32.3/30

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:30.2/30

Out: -0.001+/-0.008 χ^2/NDF:31.3/34

All: 0.006+/-0.006 χ^2/NDF: 63.5/65



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.020+/-0.010 χ^2/NDF:679845.4/15

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.053+/-0.010 χ^2/NDF:438576.7/14

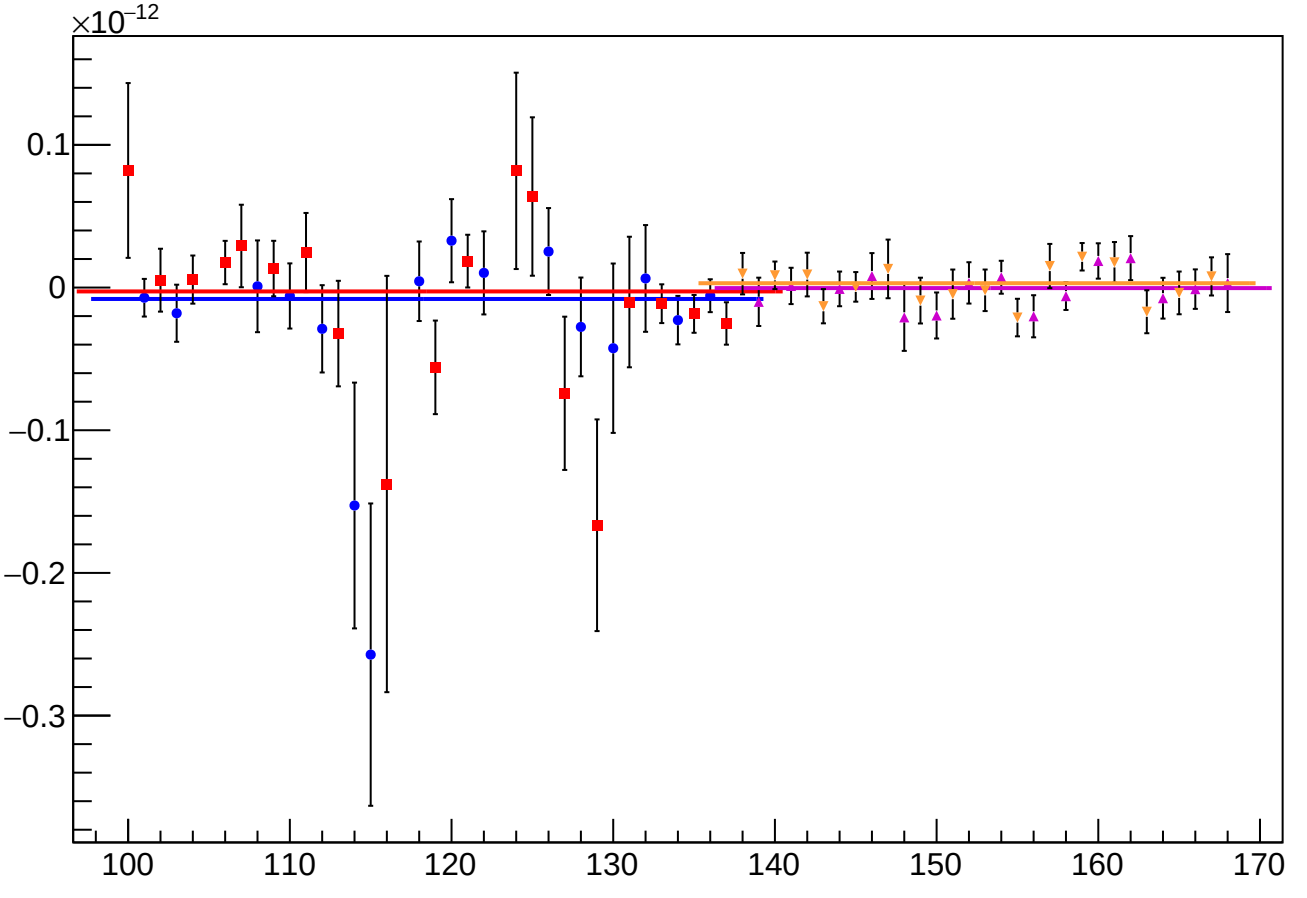
Left: 50.521+/-0.007 χ^2/NDF: 1123411.8/30

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.502+/-0.006 χ^2/NDF:7146763.6/30

Out: 29.080+/-0.005 χ^2/NDF:10226368.3/34

All: 31.062+/-0.004 χ^2/NDF: 17663700.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/14

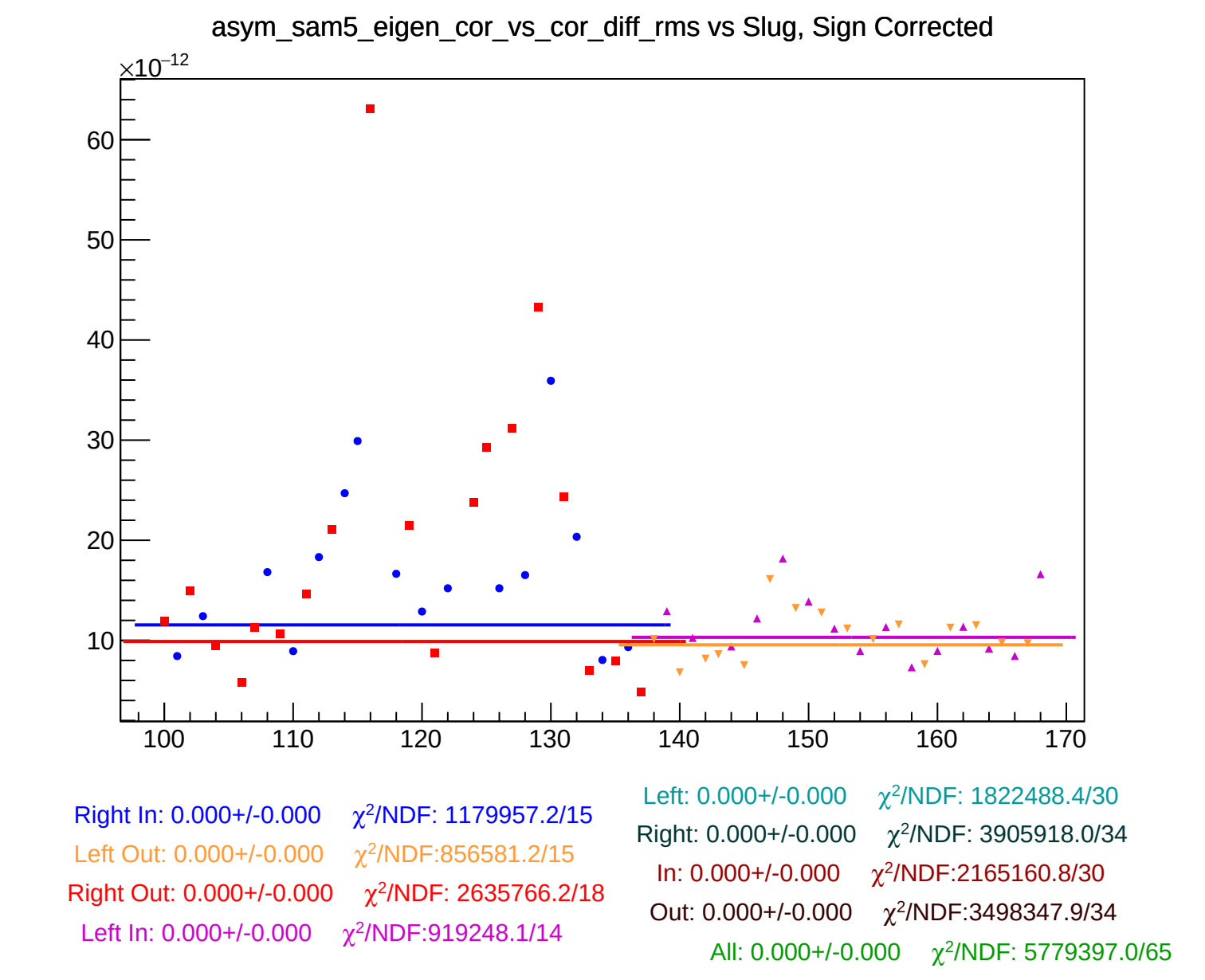
Left: 0.000+/-0.000 χ^2/NDF: 24.9/30

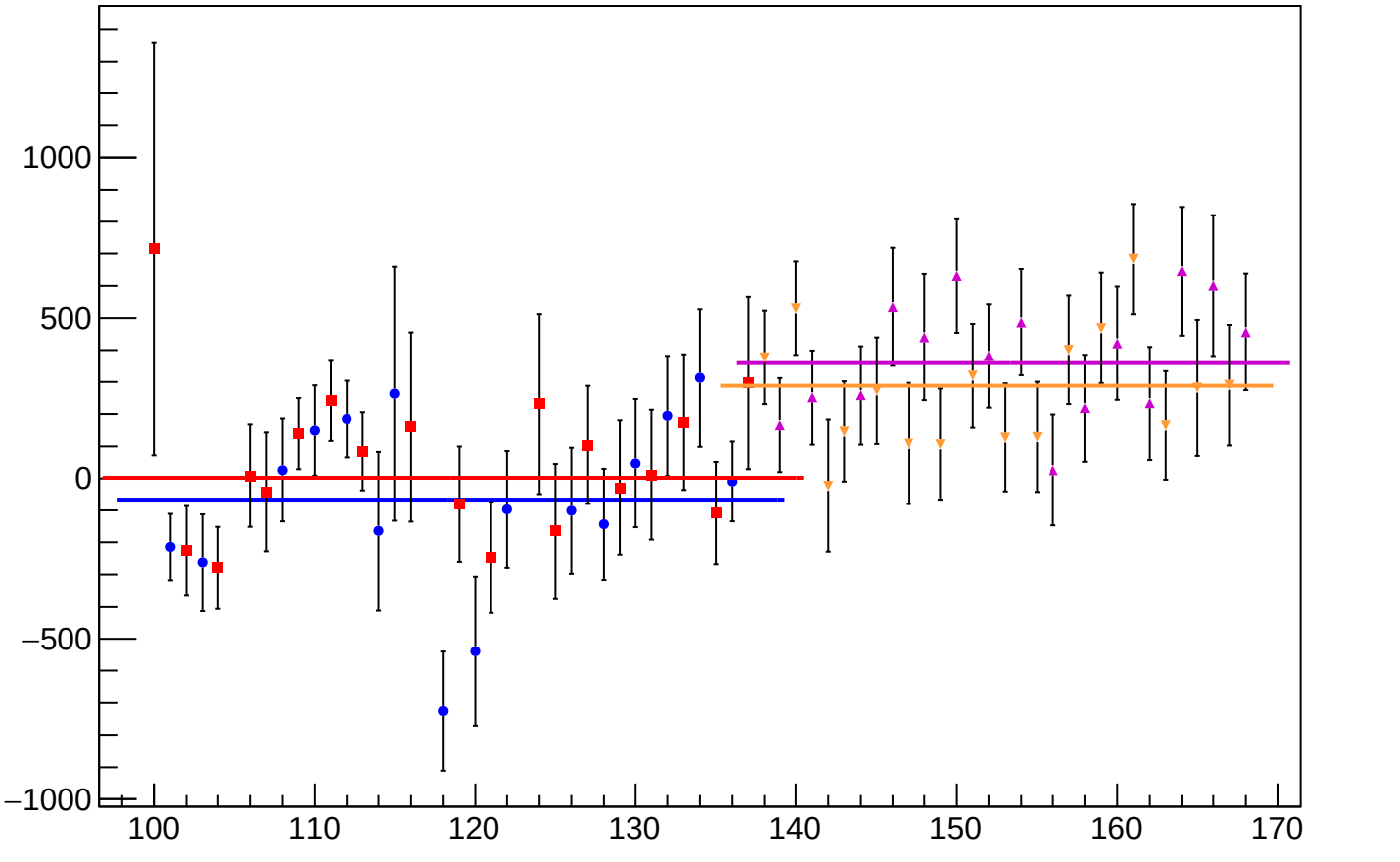
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:25.7/30

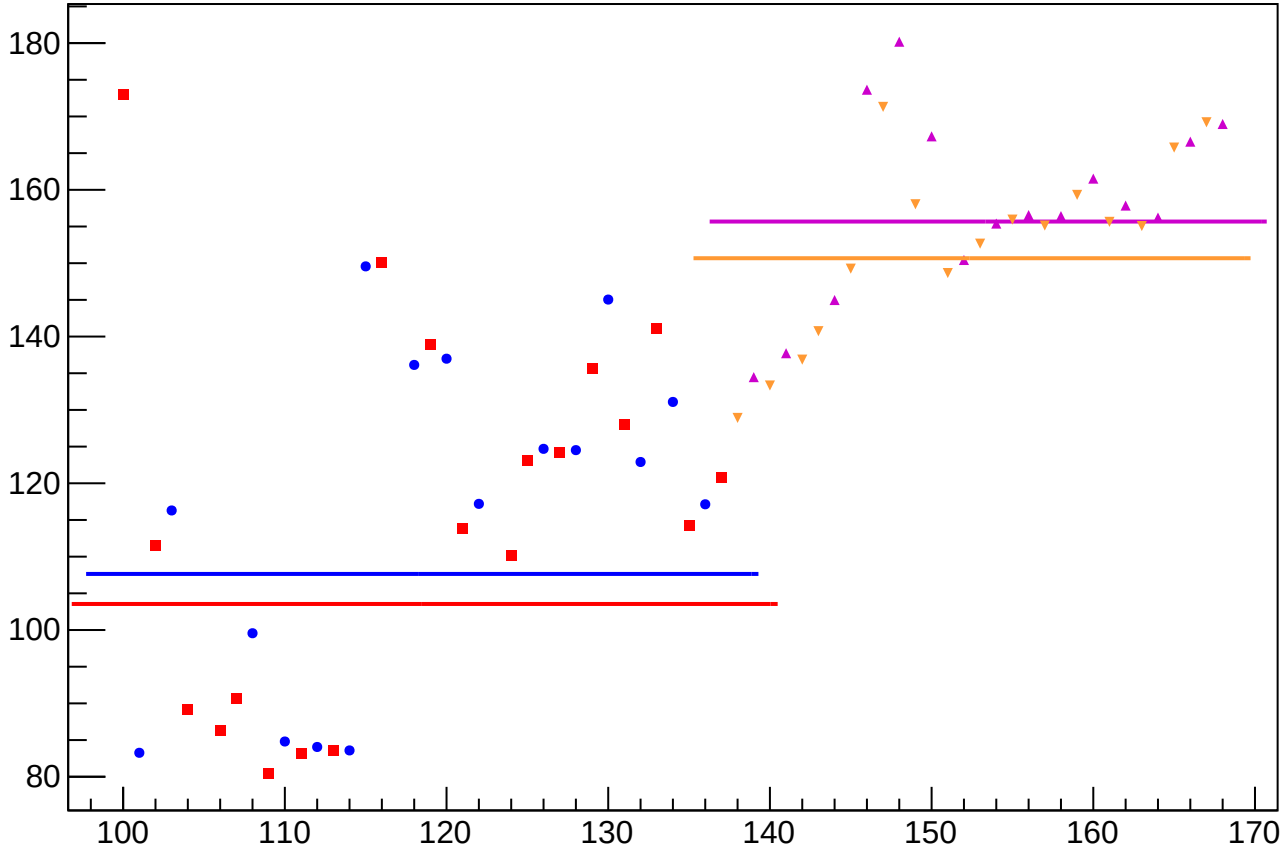
Out: 0.000+/-0.000 χ^2/NDF:41.5/34

All: -0.000+/-0.000 χ^2/NDF: 68.0/65


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:856581.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:919248.1/14
Left: 0.000+/-0.000 χ²/NDF: 1822488.4/30
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2165160.8/30
Out: 0.000+/-0.000 χ²/NDF:3498347.9/34
All: 0.000+/-0.000 χ²/NDF: 5779397.0/65


reg_asym_sam6_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -66.230+/-40.937 χ²/NDF: 34.4/15
Left Out: 288.103+/-42.553 χ²/NDF:17.5/15
Right Out: 2.017+/-38.866 χ²/NDF: 21.1/18
Left In: 359.064+/-44.368 χ²/NDF:15.4/14
Left: 322.103+/-30.711 χ²/NDF: 34.2/30
Right: -30.337+/-28.186 χ²/NDF: 57.0/34
In: 129.342+/-30.087 χ²/NDF:99.4/30
Out: 132.132+/-28.698 χ²/NDF:63.2/34
All: 130.803+/-20.766 χ²/NDF: 162.6/65

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

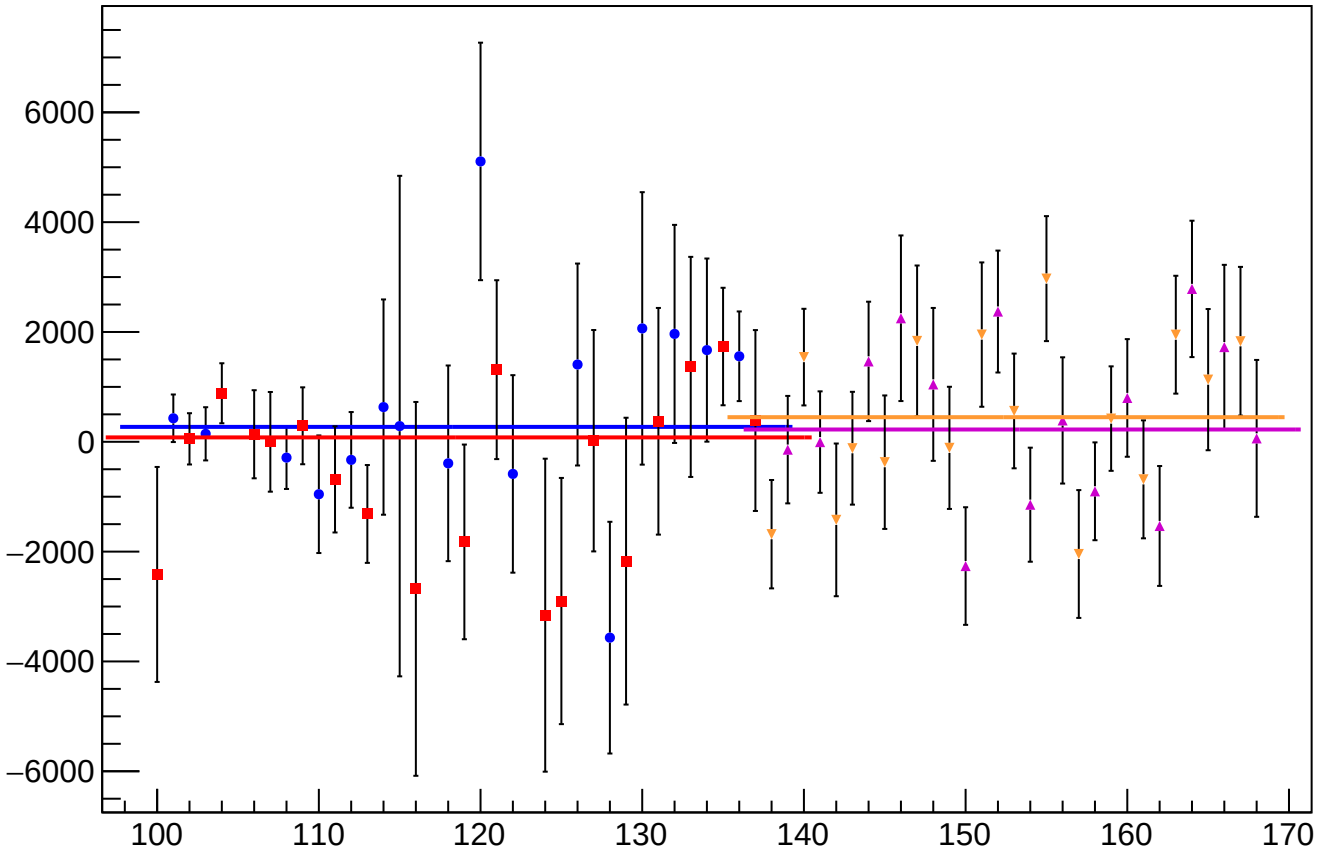
Left: 153.072+/-0.022 χ^2/NDF: 333388.1/30

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 129.731+/-0.021 χ^2/NDF:1959956.0/30

Out: 124.984+/-0.020 χ^2/NDF:2113901.7/34

All: 127.246+/-0.015 χ^2/NDF: 4099932.9/65



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 448.207+/-279.596 χ^2/NDF:25.3/15

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 224.036+/-289.412 χ^2/NDF:24.3/14

Left: 339.988+/-201.085 χ^2/NDF: 49.9/30

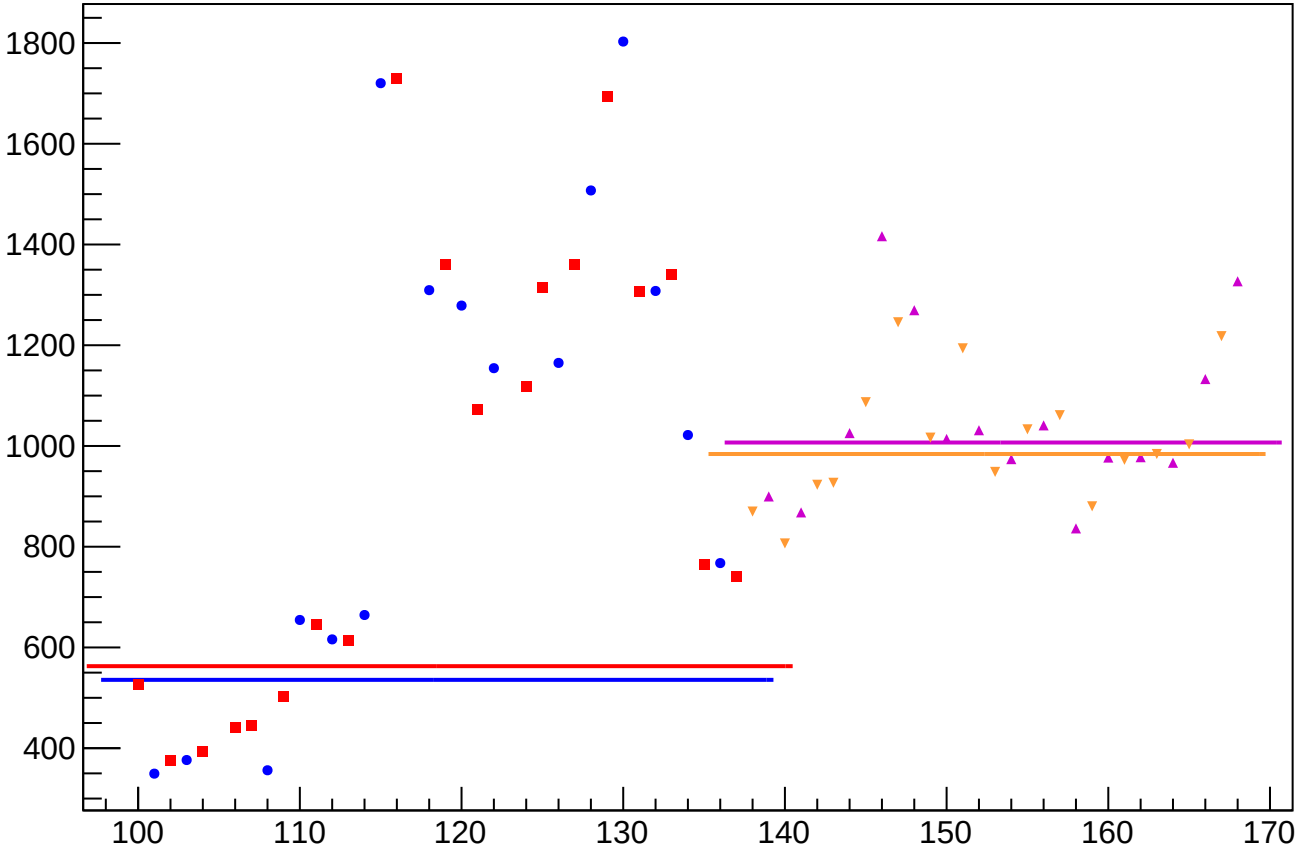
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 253.065+/-180.380 χ^2/NDF:40.8/30

Out: 230.316+/-178.610 χ^2/NDF:42.3/34

All: 241.578+/-126.918 χ^2/NDF: 83.1/65

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1006.865+/-0.205 χ^2/NDF:486098.4/14

Left: 995.065+/-0.142 χ^2/NDF: 849247.8/30

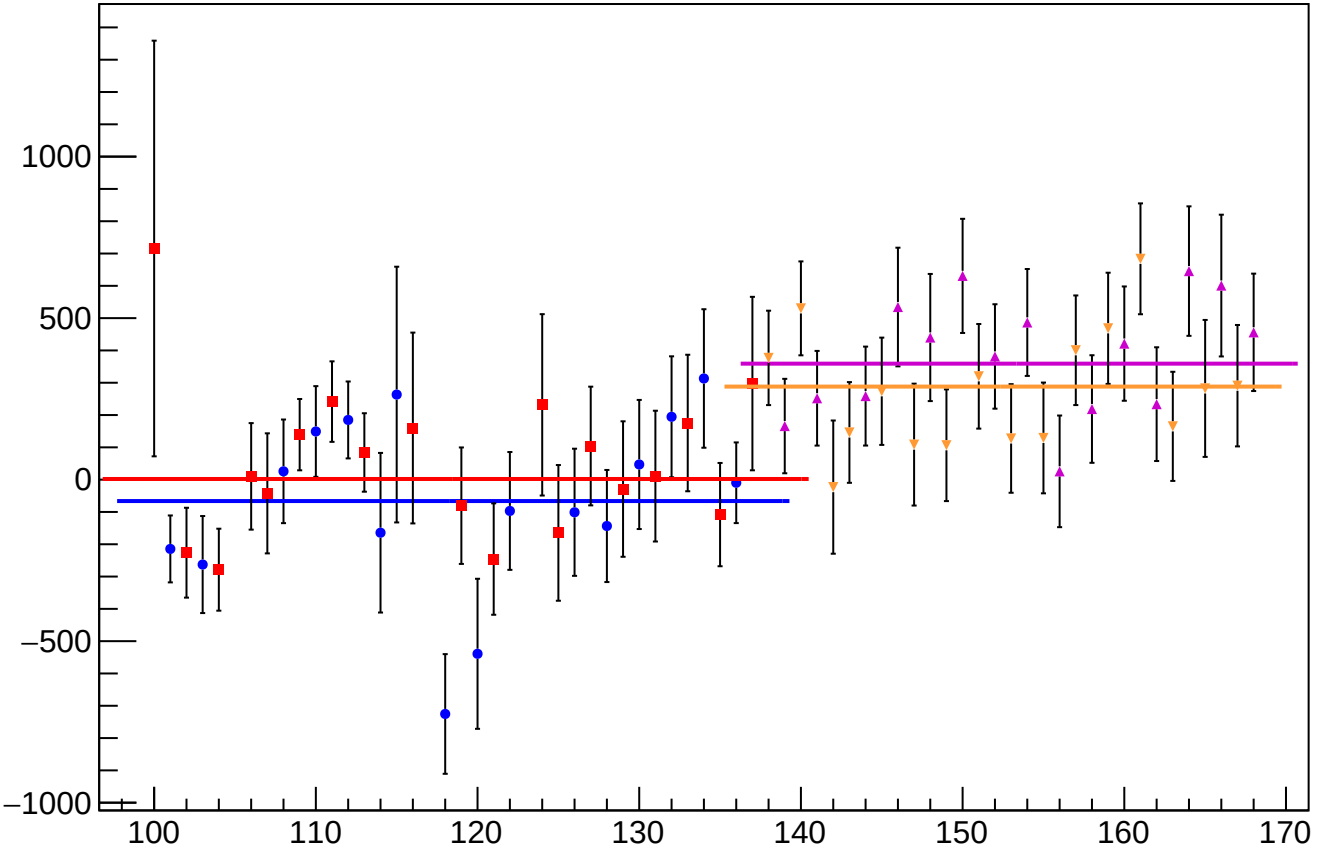
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 718.719+/-0.128 χ^2/NDF:7360388.8/30

Out: 734.734+/-0.126 χ^2/NDF:6154459.9/34

All: 726.805+/-0.090 χ^2/NDF: 13522809.1/65

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 359.067+/-44.368 χ^2/NDF:15.4/14

Left: 322.102+/-30.711 χ^2/NDF: 34.2/30

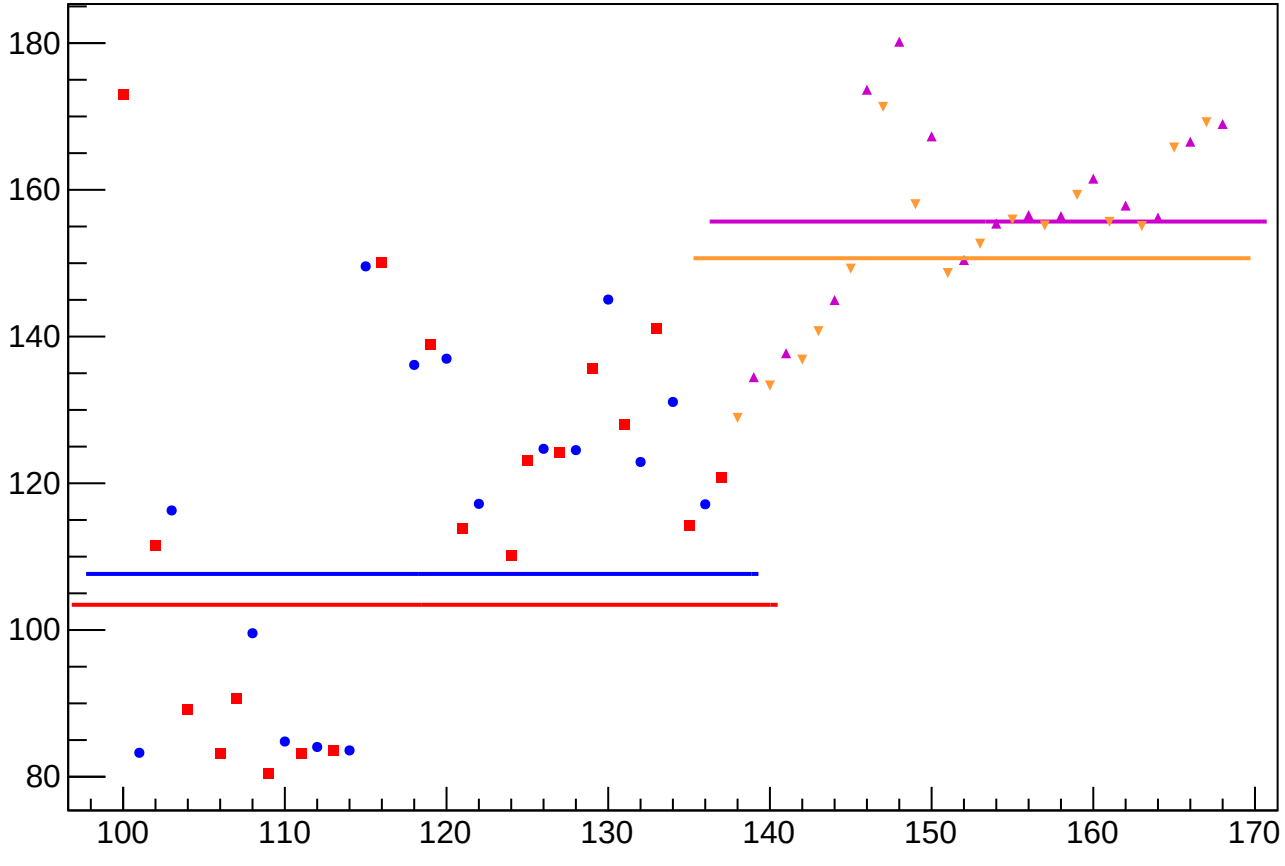
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.329+/-30.087 χ^2/NDF:99.4/30

Out: 132.411+/-28.726 χ^2/NDF:63.2/34

All: 130.941+/-20.777 χ^2/NDF: 162.6/65

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

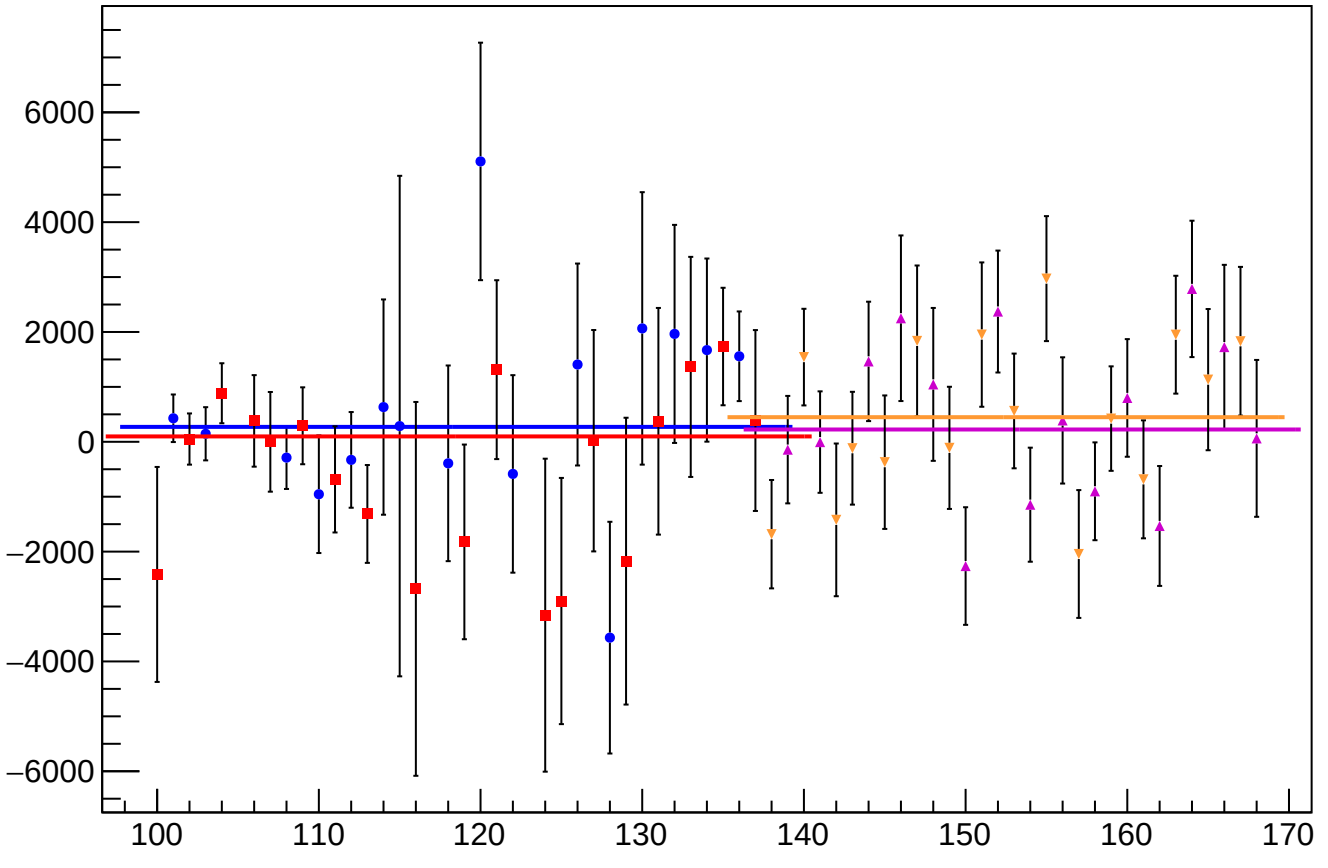
Left: 153.072+/-0.022 χ^2/NDF: 333388.1/30

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 129.732+/-0.021 χ^2/NDF:1959954.0/30

Out: 124.965+/-0.020 χ^2/NDF:2125469.8/34

All: 127.238+/-0.015 χ^2/NDF: 4111682.2/65



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 224.034+/-289.412 χ^2/NDF:24.3/14

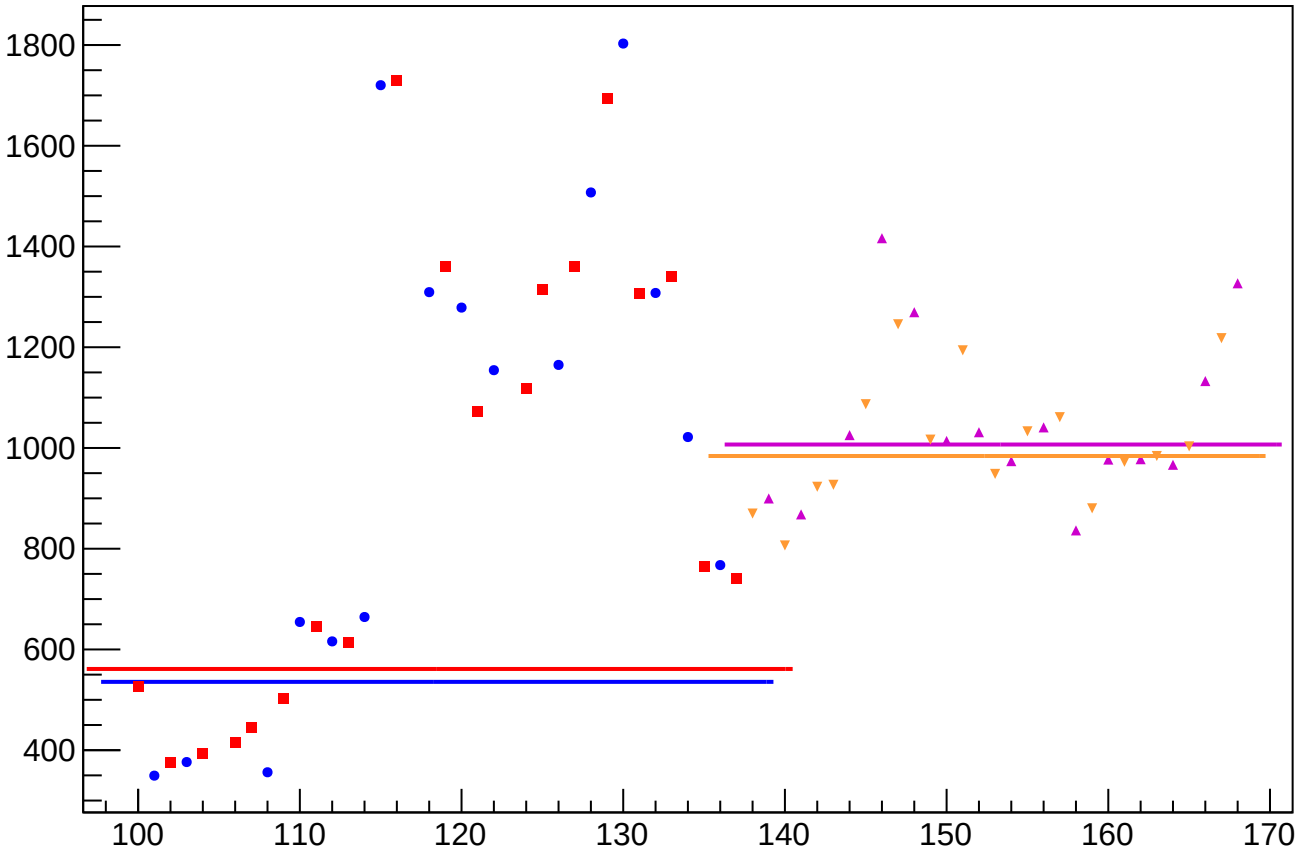
Left: 339.989+/-201.085 χ^2/NDF: 49.9/30

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 253.151+/-180.377 χ^2/NDF:40.8/30

Out: 241.281+/-178.895 χ^2/NDF:42.3/34

All: 247.167+/-127.019 χ^2/NDF: 83.1/65



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1006.866+/-0.205 χ^2/NDF:486097.9/14

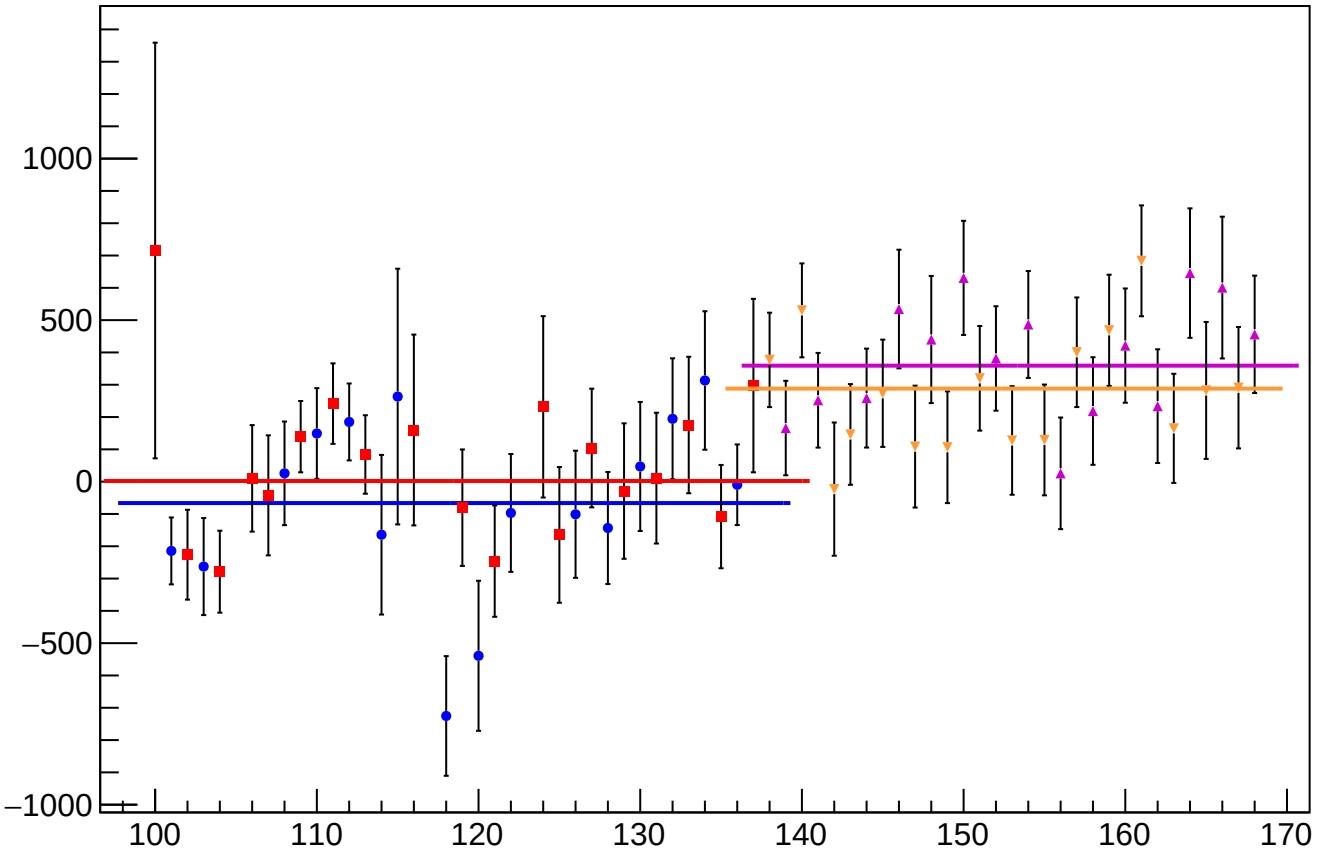
Left: 995.066+/-0.142 χ^2/NDF: 849247.4/30

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 718.699+/-0.128 χ^2/NDF:7360969.5/30

Out: 734.352+/-0.126 χ^2/NDF:6188367.5/34

All: 726.590+/-0.090 χ^2/NDF: 13556930.4/65



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.099+/-42.553 χ^2/NDF:17.5/15

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 359.067+/-44.368 χ^2/NDF:15.4/14

Left: 322.102+/-30.711 χ^2/NDF: 34.2/30

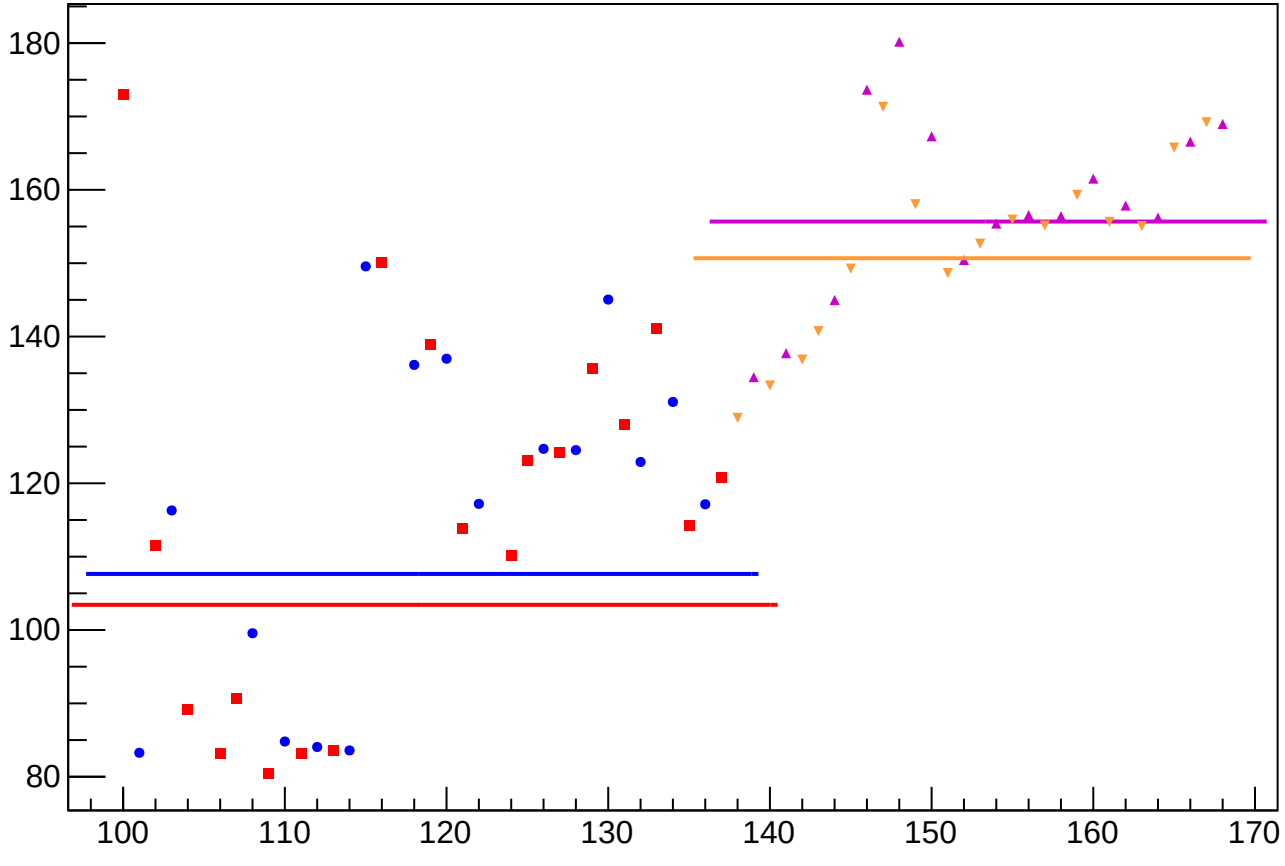
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 129.329+/-30.087 χ^2/NDF:99.4/30

Out: 132.411+/-28.726 χ^2/NDF:63.2/34

All: 130.941+/-20.777 χ^2/NDF: 162.6/65

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 150.678+/-0.030 χ^2/NDF:159137.8/15

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 155.676+/-0.031 χ^2/NDF:161029.1/14

Left: 153.072+/-0.022 χ^2/NDF: 333388.1/30

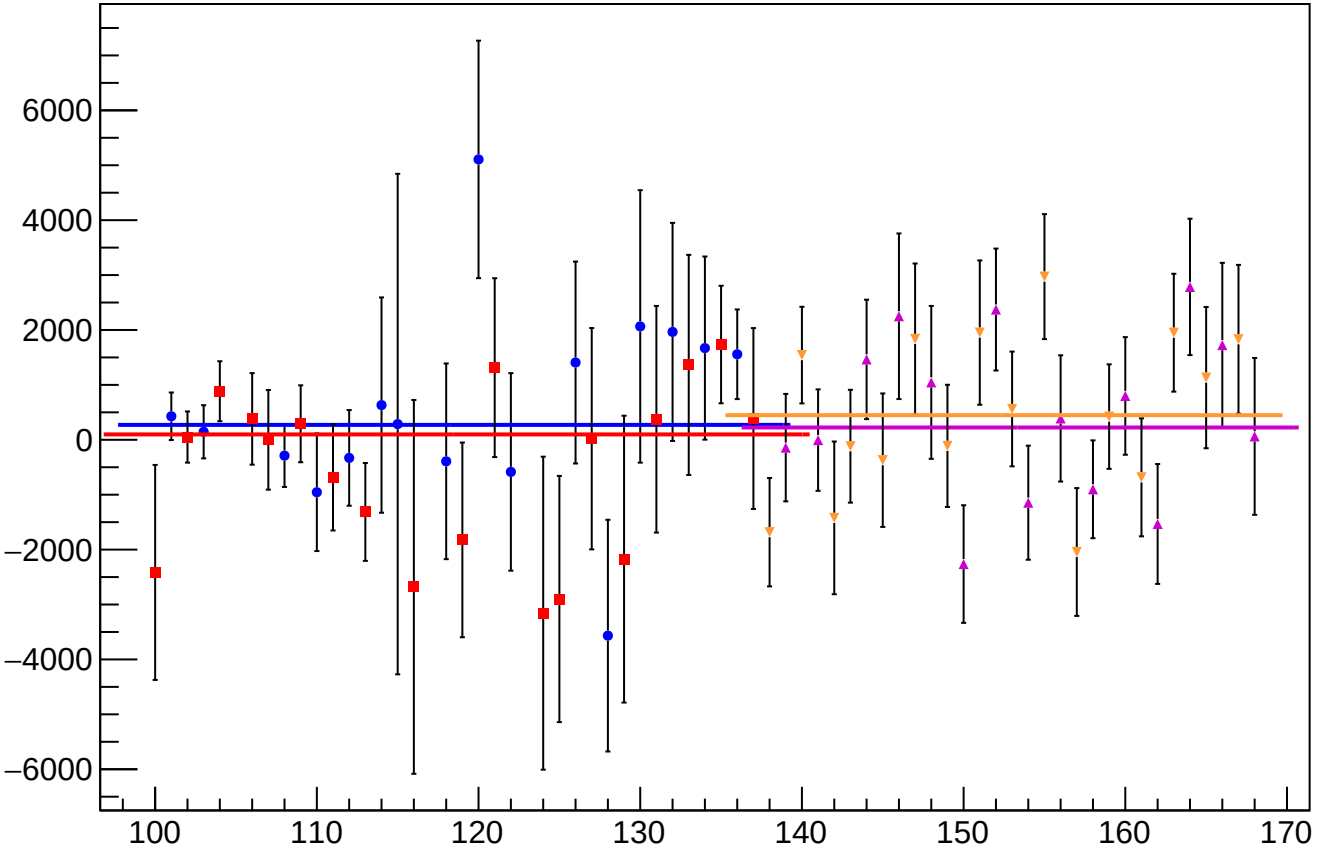
Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 129.732+/-0.021 χ^2/NDF:1959954.0/30

Out: 124.965+/-0.020 χ^2/NDF:2125469.8/34

All: 127.238+/-0.015 χ^2/NDF: 4111682.2/65

asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 448.211+/-279.596 χ^2/NDF:25.3/15

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 224.034+/-289.412 χ^2/NDF:24.3/14

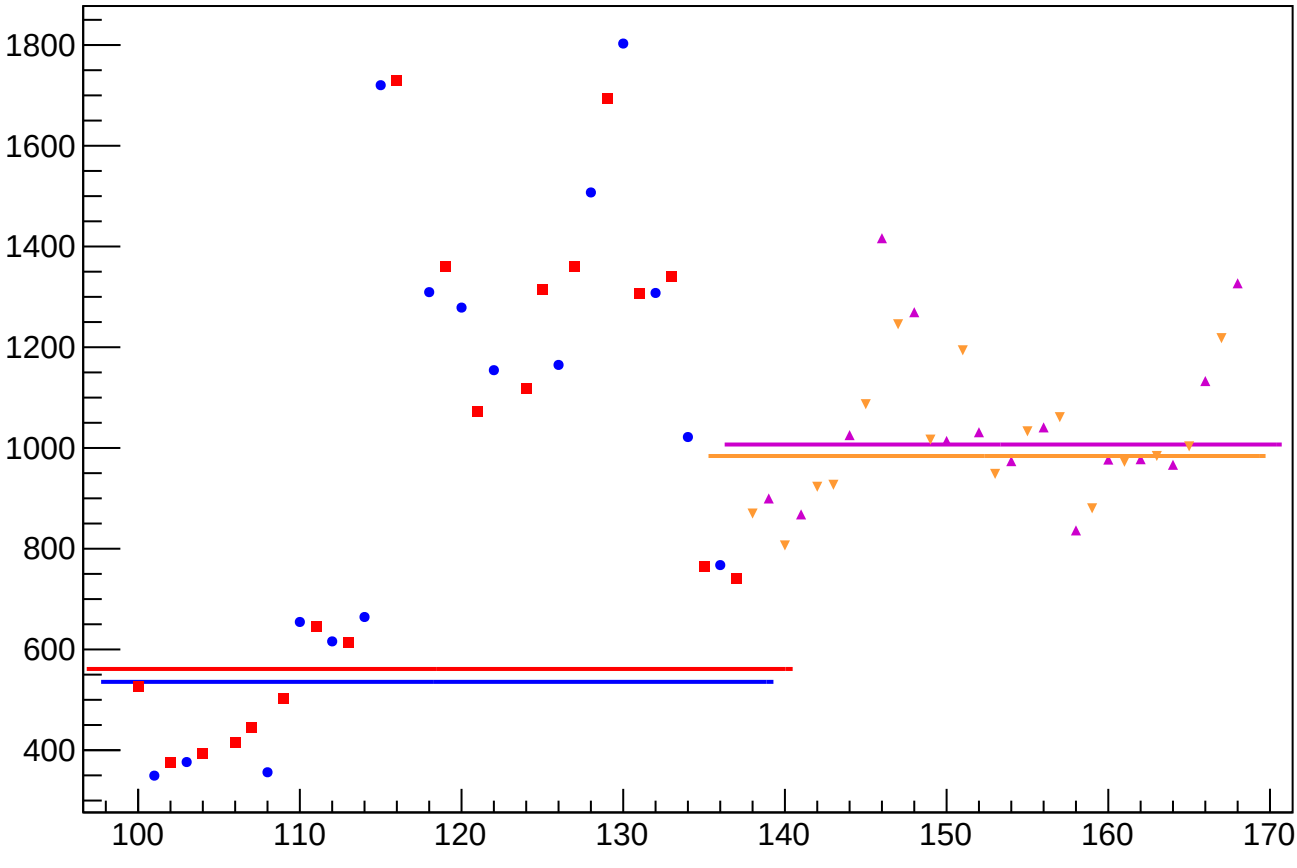
Left: 339.989+/-201.085 χ^2/NDF: 49.9/30

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 253.151+/-180.377 χ^2/NDF:40.8/30

Out: 241.281+/-178.895 χ^2/NDF:42.3/34

All: 247.167+/-127.019 χ^2/NDF: 83.1/65



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 984.053+/-0.198 χ^2/NDF:356722.0/15

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1006.866+/-0.205 χ^2/NDF:486097.9/14

Left: 995.066+/-0.142 χ^2/NDF: 849247.4/30

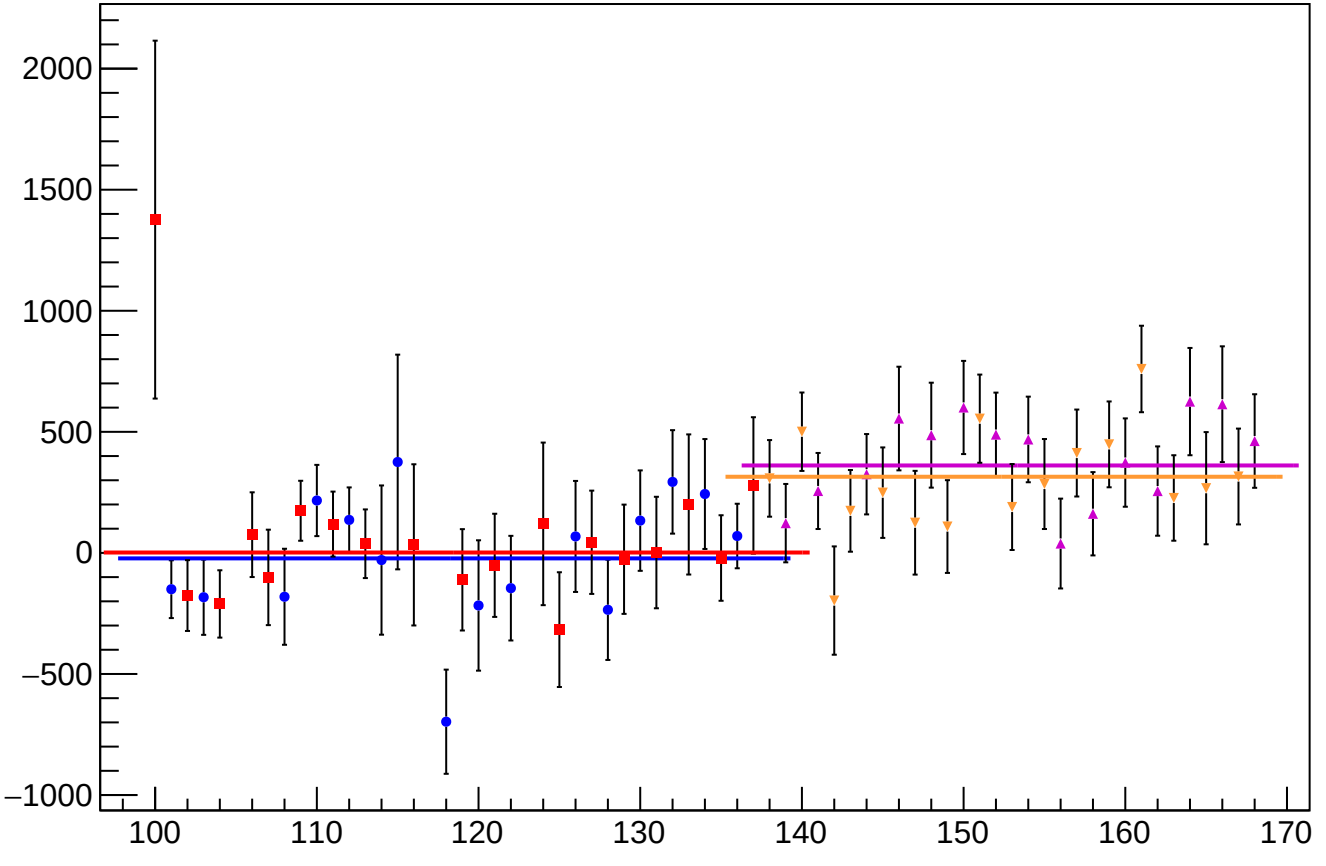
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 718.699+/-0.128 χ^2/NDF:7360969.5/30

Out: 734.352+/-0.126 χ^2/NDF:6188367.5/34

All: 726.590+/-0.090 χ^2/NDF: 13556930.4/65

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.534+/-46.019 χ^2/NDF:18.9/15

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 361.140+/-47.816 χ^2/NDF:13.8/14

Left: 336.945+/-33.158 χ^2/NDF: 33.2/30

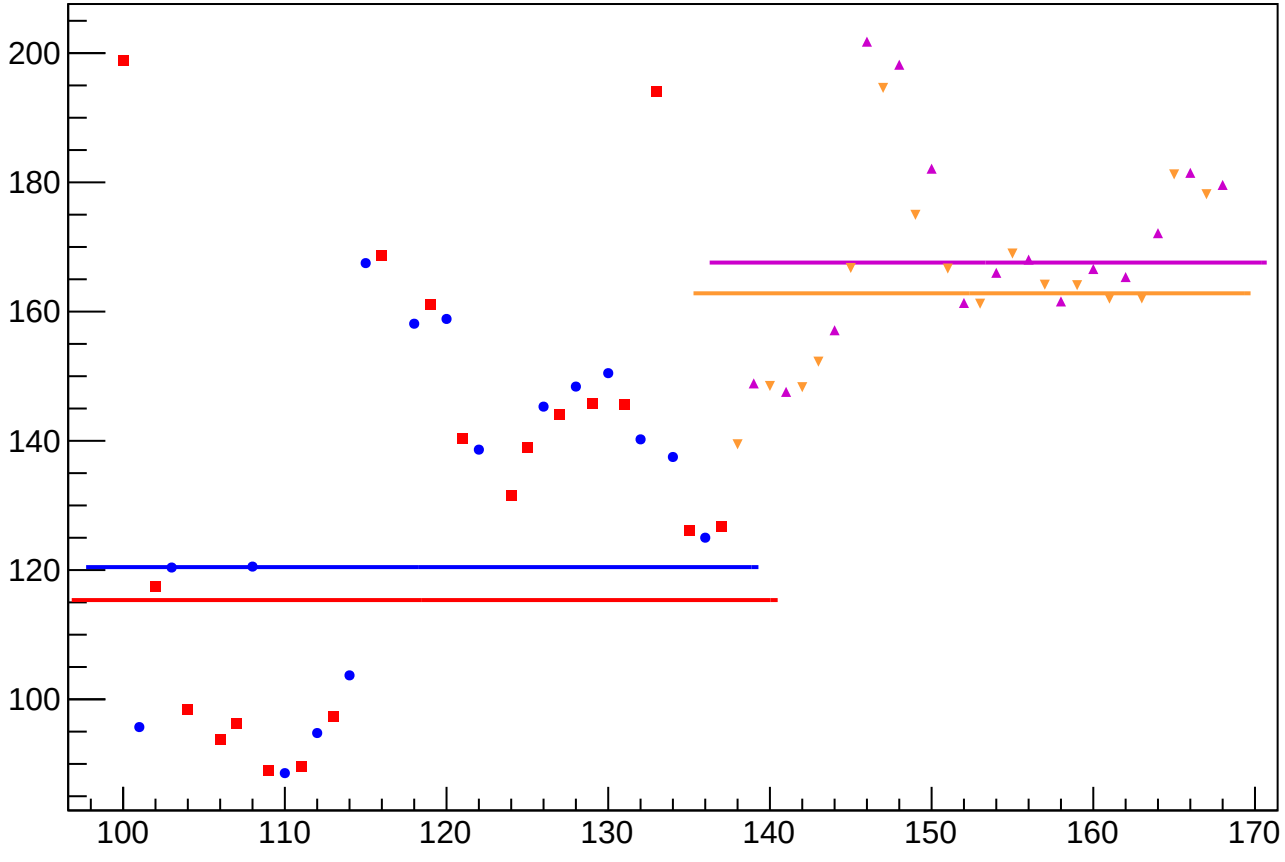
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.421+/-33.116 χ^2/NDF:71.5/30

Out: 149.493+/-31.636 χ^2/NDF:57.6/34

All: 155.184+/-22.876 χ^2/NDF: 129.2/65

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 162.830+/-0.033 χ^2/NDF:156698.1/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 167.586+/-0.034 χ^2/NDF:190378.9/14

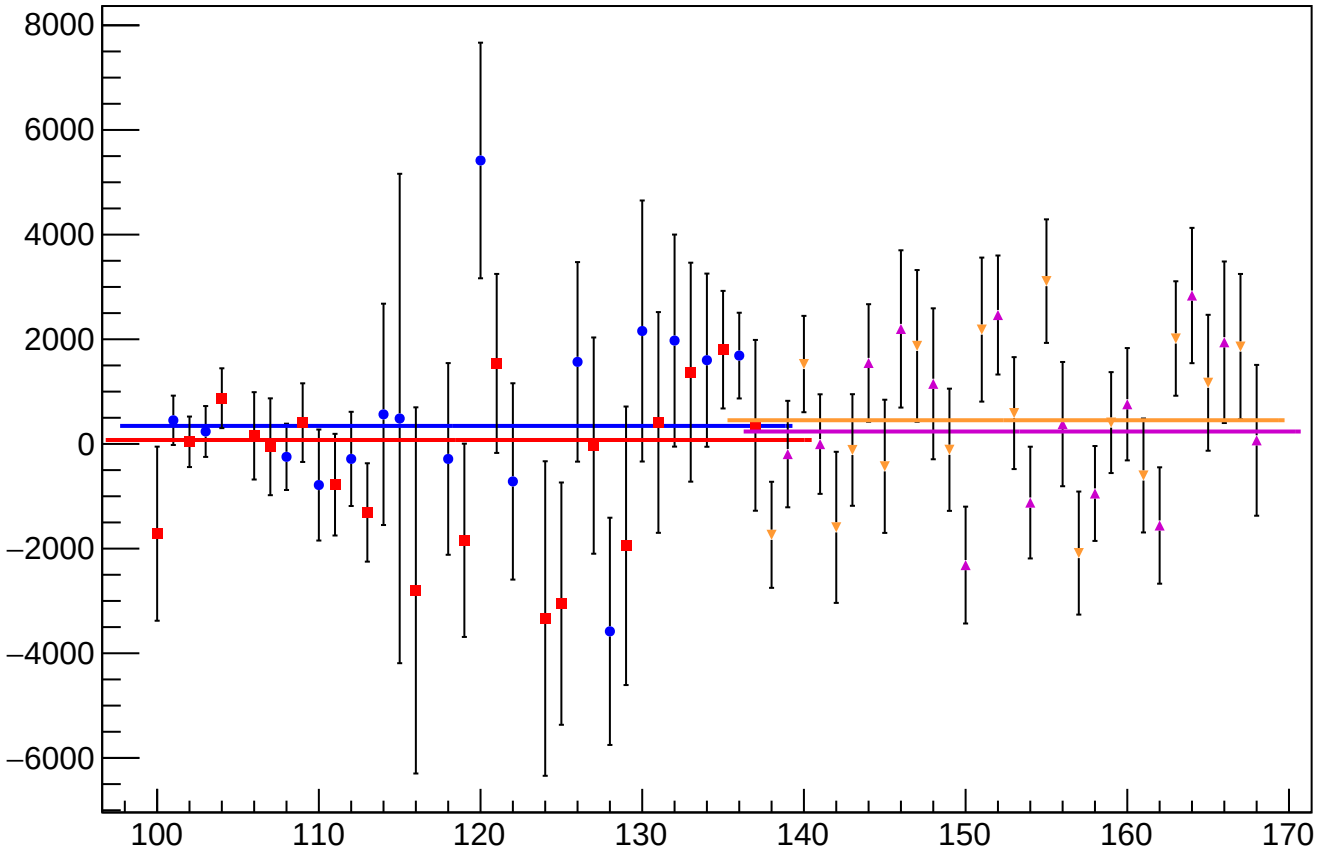
Left: 165.117+/-0.023 χ^2/NDF: 357351.3/30

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 143.063+/-0.023 χ^2/NDF:1731655.5/30

Out: 137.793+/-0.022 χ^2/NDF:2046403.3/34

All: 140.308+/-0.016 χ^2/NDF: 3804546.4/65



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 452.824+/-288.078 χ^2/NDF:25.6/15

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 237.342+/-296.923 χ^2/NDF:24.2/14

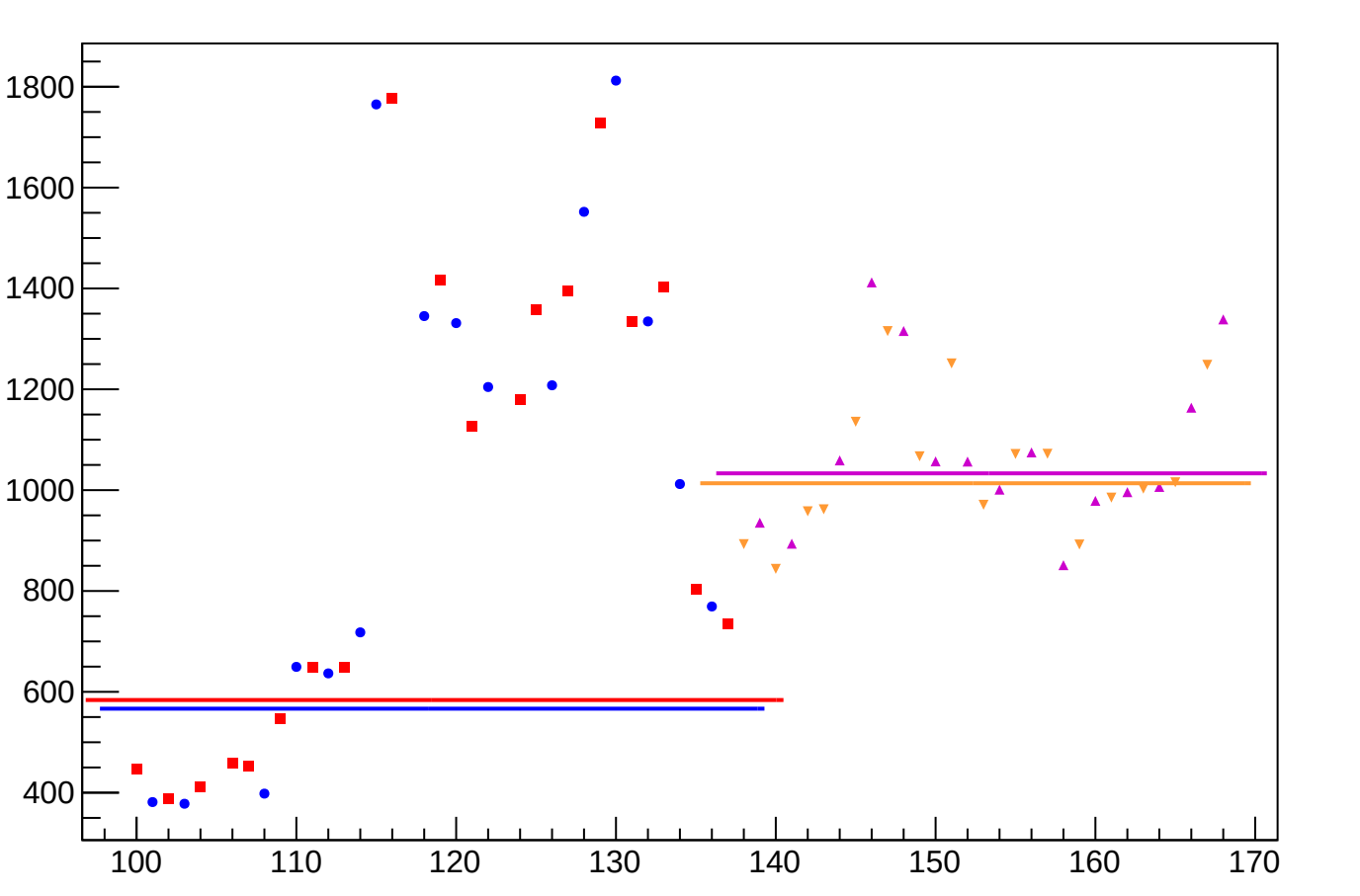
Left: 348.340+/-206.758 χ^2/NDF: 50.1/30

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 301.791+/-187.369 χ^2/NDF:40.5/30

Out: 230.417+/-184.611 χ^2/NDF:41.9/34

All: 265.575+/-131.504 χ^2/NDF: 82.5/65



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376483.0/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1033.308+/-0.210 χ^2/NDF:465184.9/14

Left: 1023.178+/-0.146 χ^2/NDF: 846187.2/30

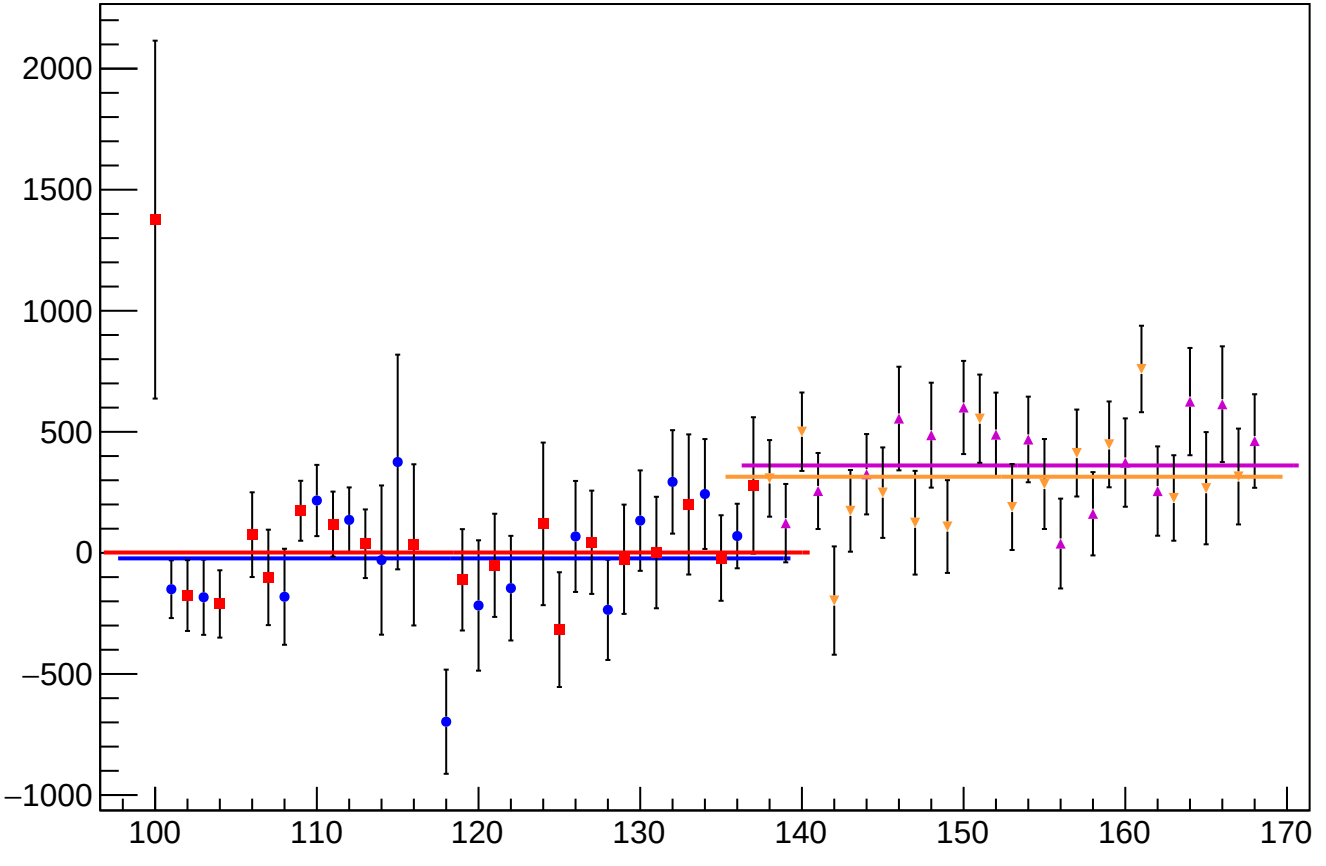
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 752.448+/-0.132 χ^2/NDF:6871175.3/30

Out: 760.320+/-0.131 χ^2/NDF:6108203.8/34

All: 756.442+/-0.093 χ^2/NDF: 12981170.1/65

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.534+/-46.019 χ^2/NDF:18.9/15

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 361.141+/-47.816 χ^2/NDF:13.8/14

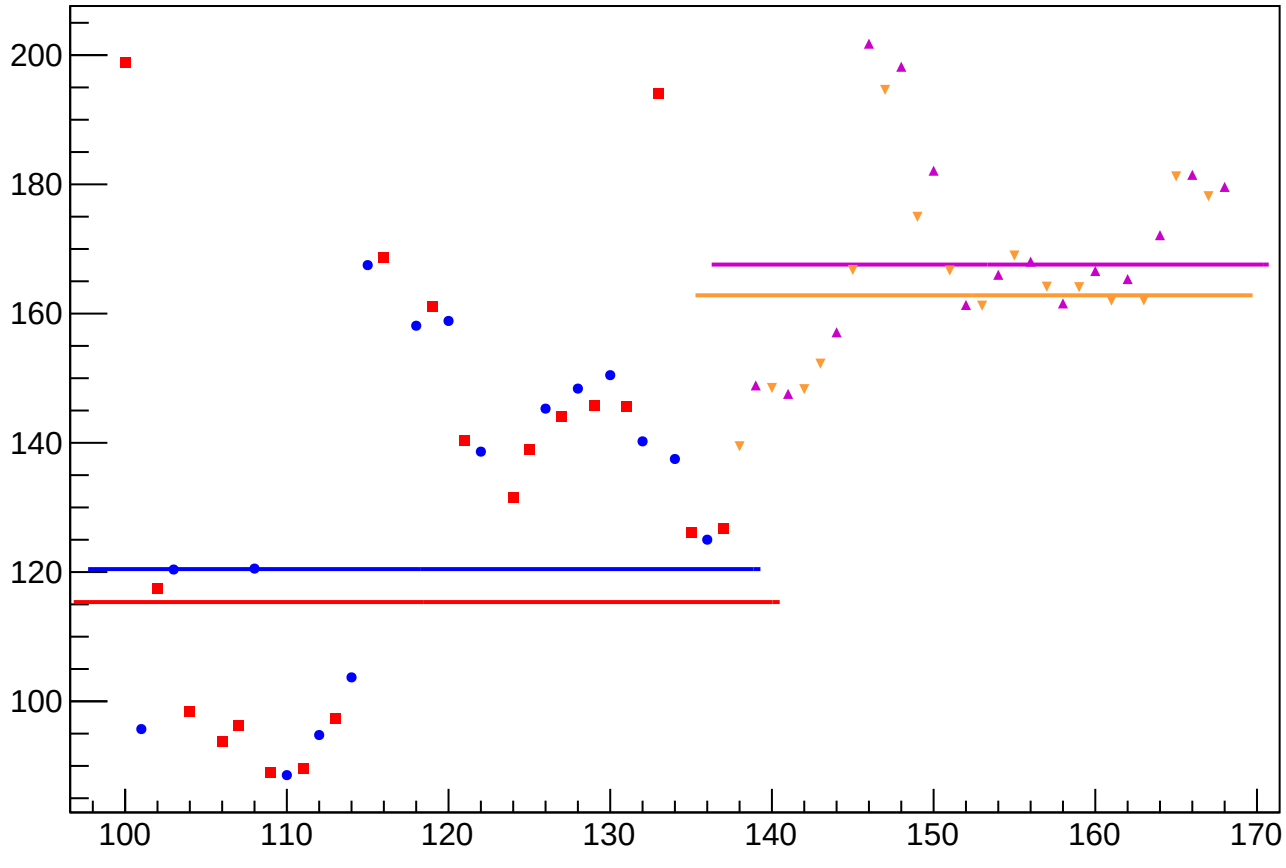
Left: 336.946+/-33.158 χ^2/NDF: 33.2/30

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.420+/-33.116 χ^2/NDF:71.5/30

Out: 149.494+/-31.636 χ^2/NDF:57.6/34

All: 155.184+/-22.876 χ^2/NDF: 129.2/65



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 162.829+/-0.033 χ^2/NDF:156696.6/15

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 167.586+/-0.034 χ^2/NDF:190378.5/14

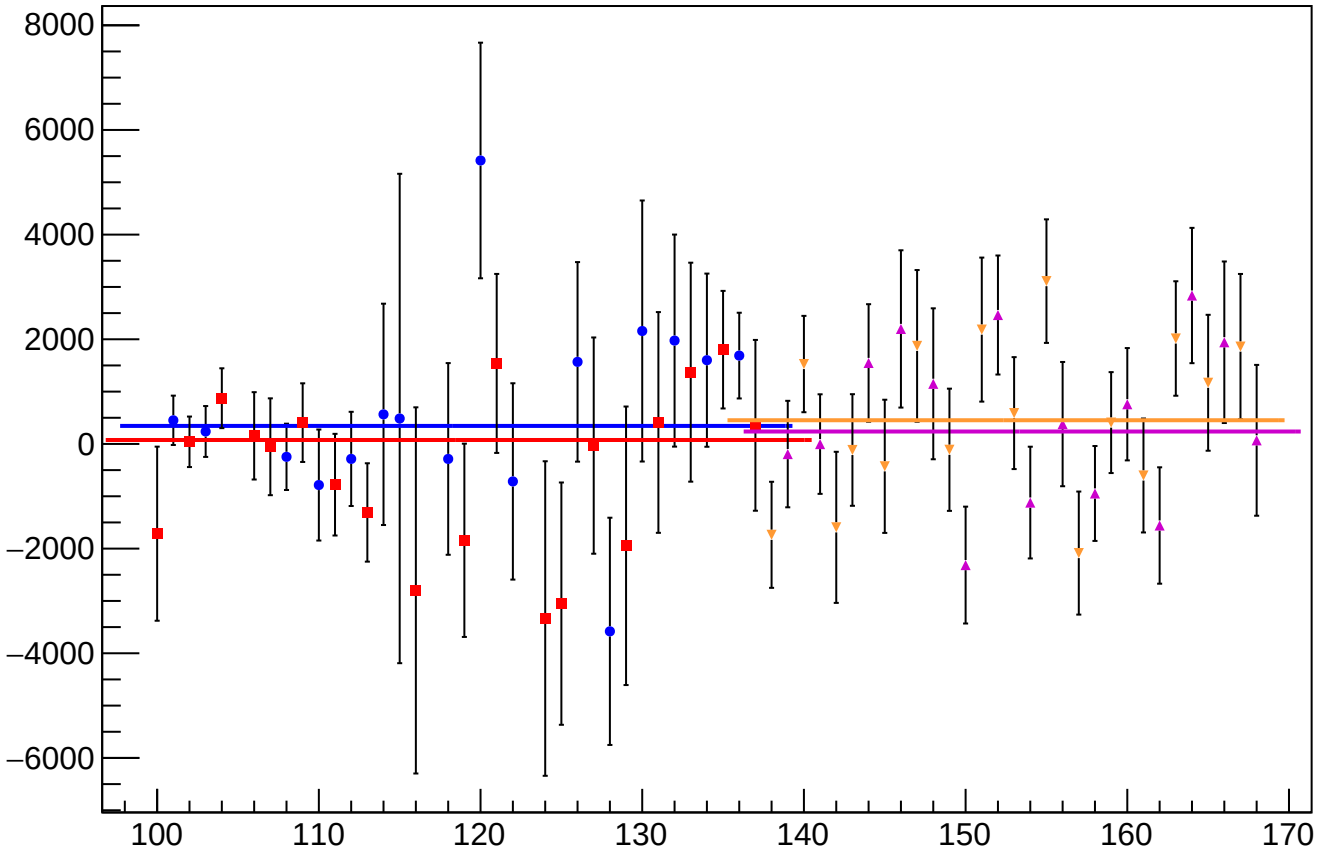
Left: 165.117+/-0.023 χ^2/NDF: 357349.6/30

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 143.063+/-0.023 χ^2/NDF:1731664.4/30

Out: 137.792+/-0.022 χ^2/NDF:2046402.7/34

All: 140.307+/-0.016 χ^2/NDF: 3804554.4/65



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 452.825+/-288.078 χ^2/NDF:25.6/15

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 237.342+/-296.923 χ^2/NDF:24.2/14

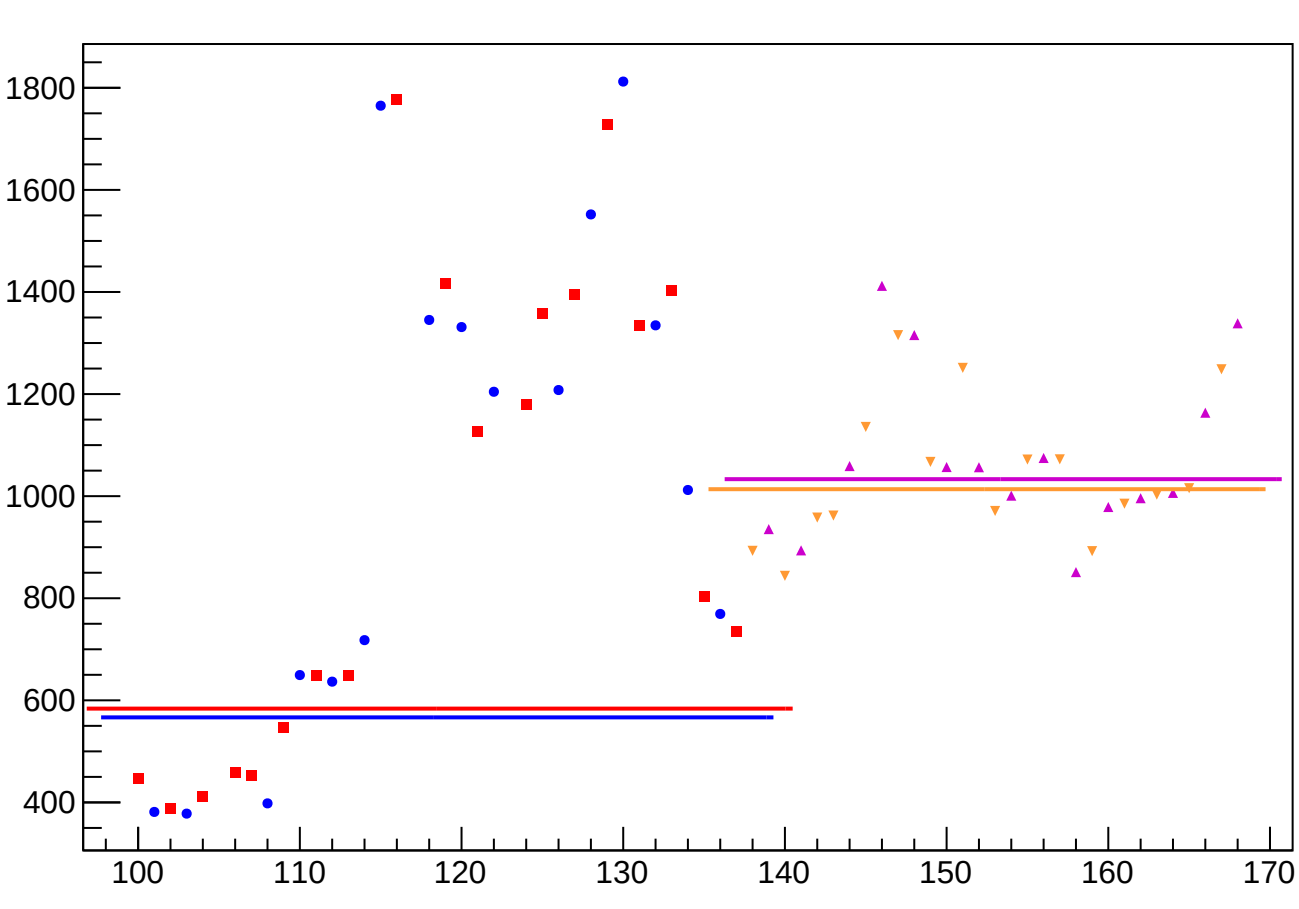
Left: 348.341+/-206.758 χ^2/NDF: 50.1/30

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 301.791+/-187.369 χ^2/NDF:40.5/30

Out: 230.418+/-184.611 χ^2/NDF:41.9/34

All: 265.575+/-131.504 χ^2/NDF: 82.5/65



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1013.642+/-0.204 χ^2/NDF:376484.8/15

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1033.308+/-0.210 χ^2/NDF:465188.0/14

Left: 1023.178+/-0.146 χ^2/NDF: 846192.1/30

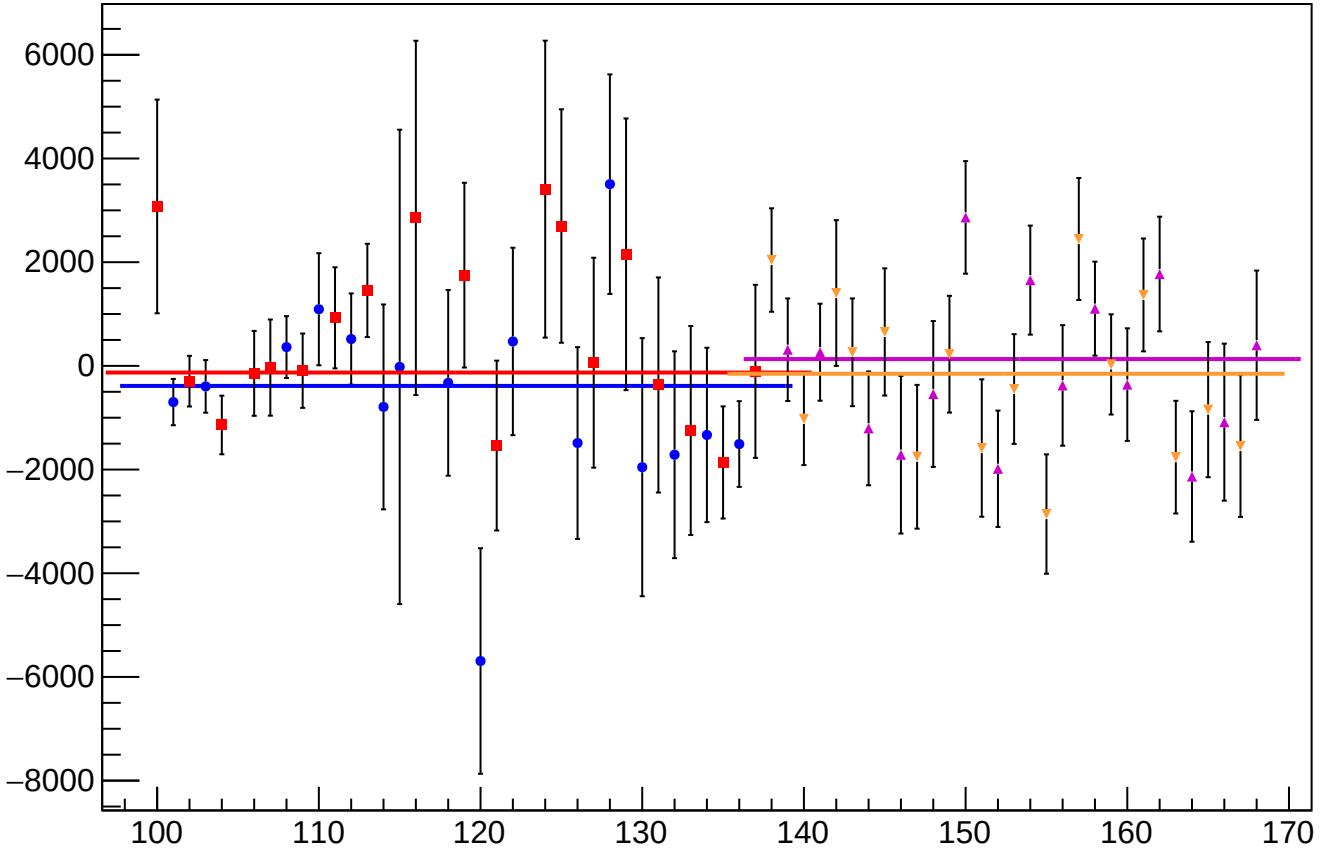
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 752.448+/-0.132 χ^2/NDF:6871192.6/30

Out: 760.319+/-0.131 χ^2/NDF:6108212.6/34

All: 756.442+/-0.093 χ^2/NDF: 12981196.3/65

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -152.143+/-282.960 χ^2/NDF:26.2/15

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 131.485+/-292.973 χ^2/NDF:22.9/14

Left: -15.259+/-203.530 χ^2/NDF: 49.6/30

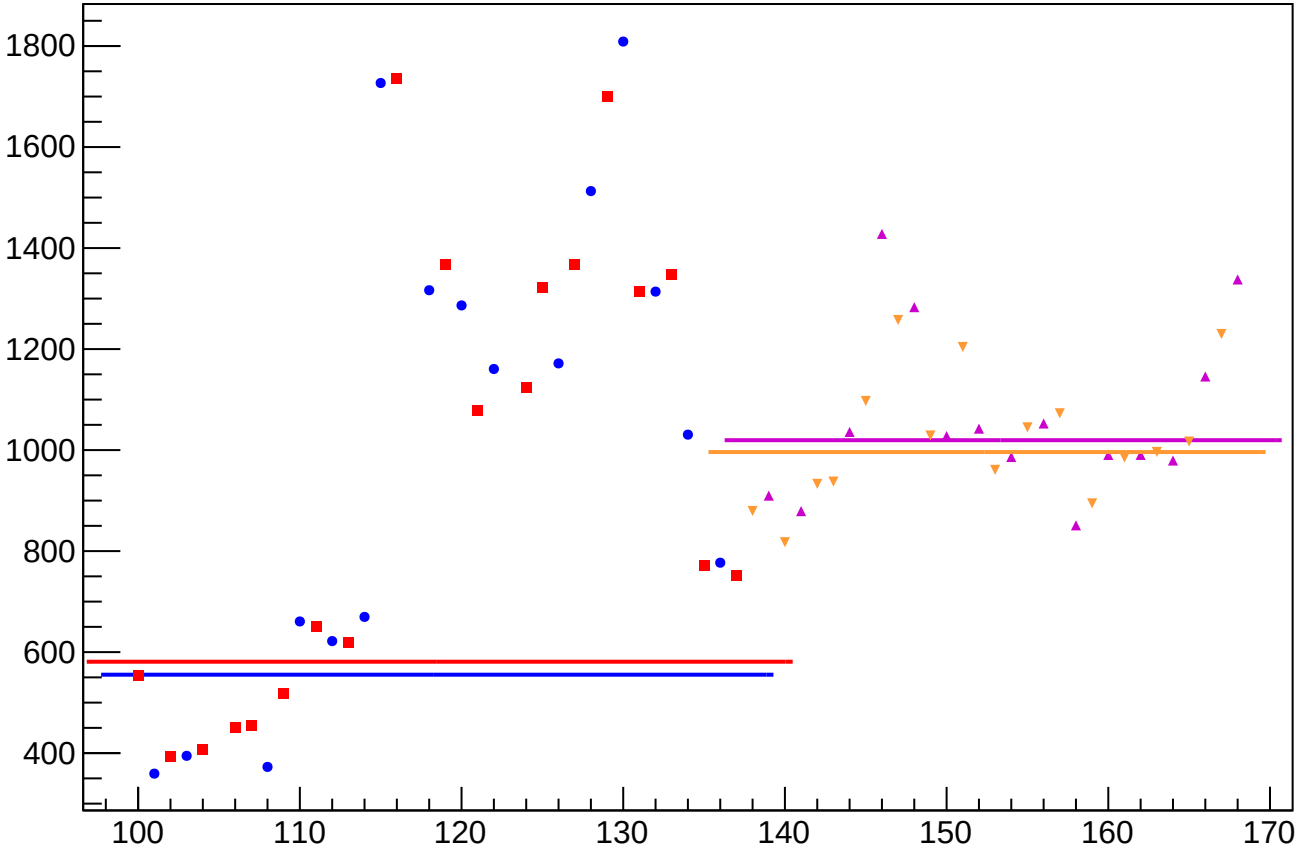
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -181.076+/-184.505 χ^2/NDF:42.7/30

Out: -138.357+/-182.246 χ^2/NDF:45.6/34

All: -159.453+/-129.659 χ^2/NDF: 88.3/65

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 996.133+/-0.200 χ^2/NDF:349028.8/15

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1019.576+/-0.207 χ^2/NDF:474854.4/14

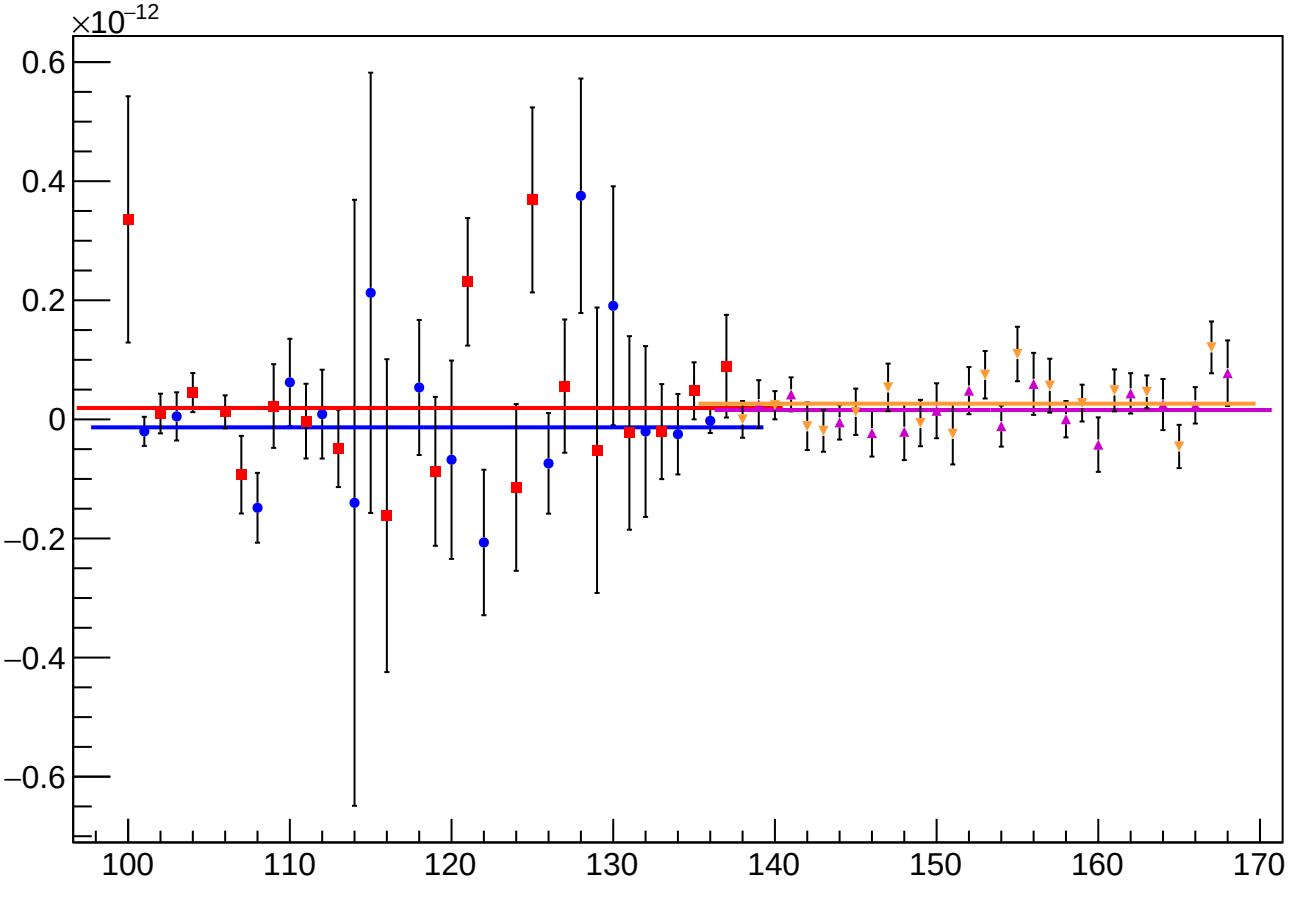
Left: 1007.447+/-0.144 χ^2/NDF: 830508.4/30

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 739.431+/-0.130 χ^2/NDF:6988078.3/30

Out: 753.206+/-0.129 χ^2/NDF:5851709.5/34

All: 746.403+/-0.092 χ^2/NDF: 12845430.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/14

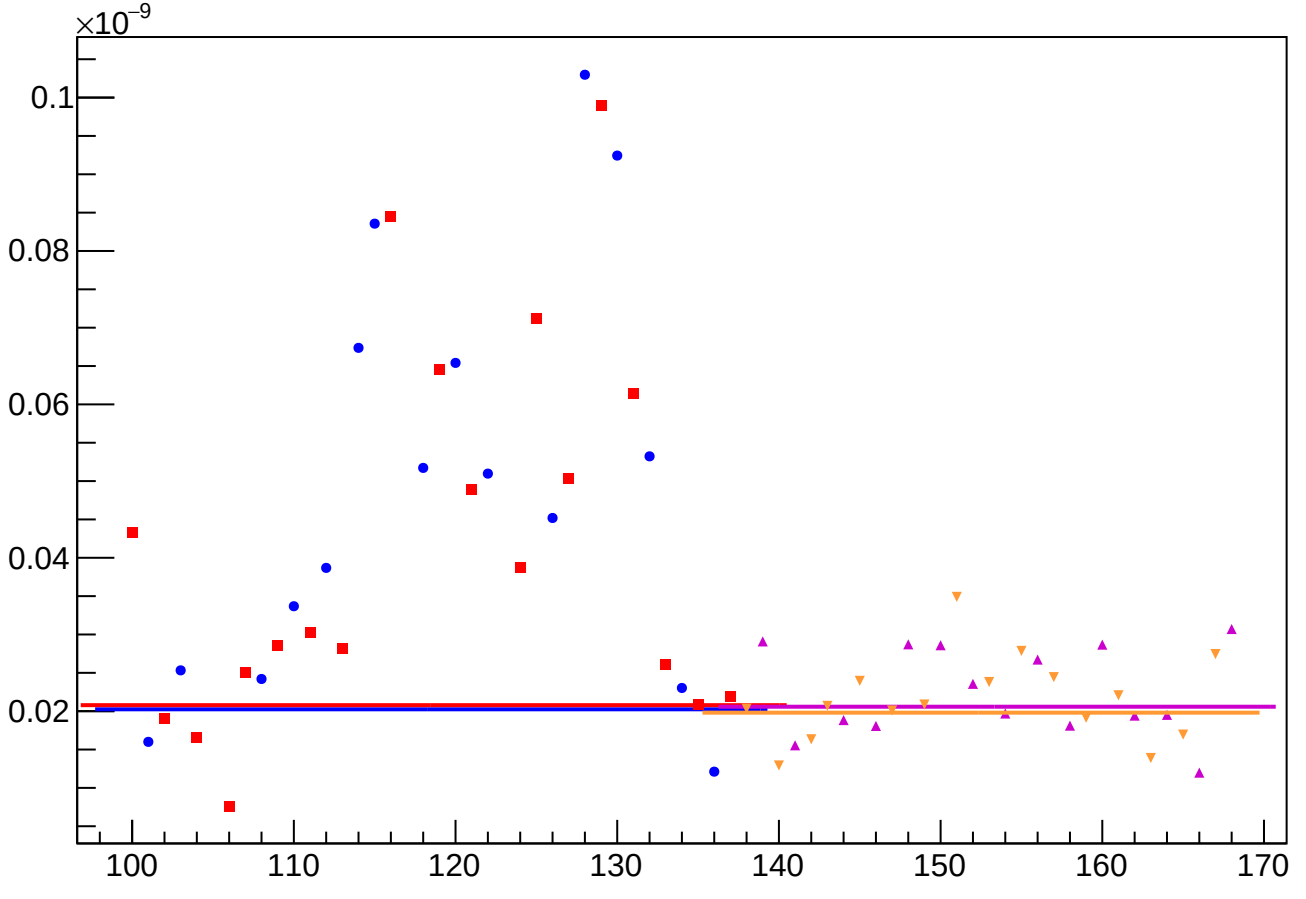
Left: 0.000+/-0.000 χ^2/NDF: 29.9/30

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.1/30

Out: 0.000+/-0.000 χ^2/NDF:40.5/34

All: 0.000+/-0.000 χ^2/NDF: 71.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:661009.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:631334.5/14

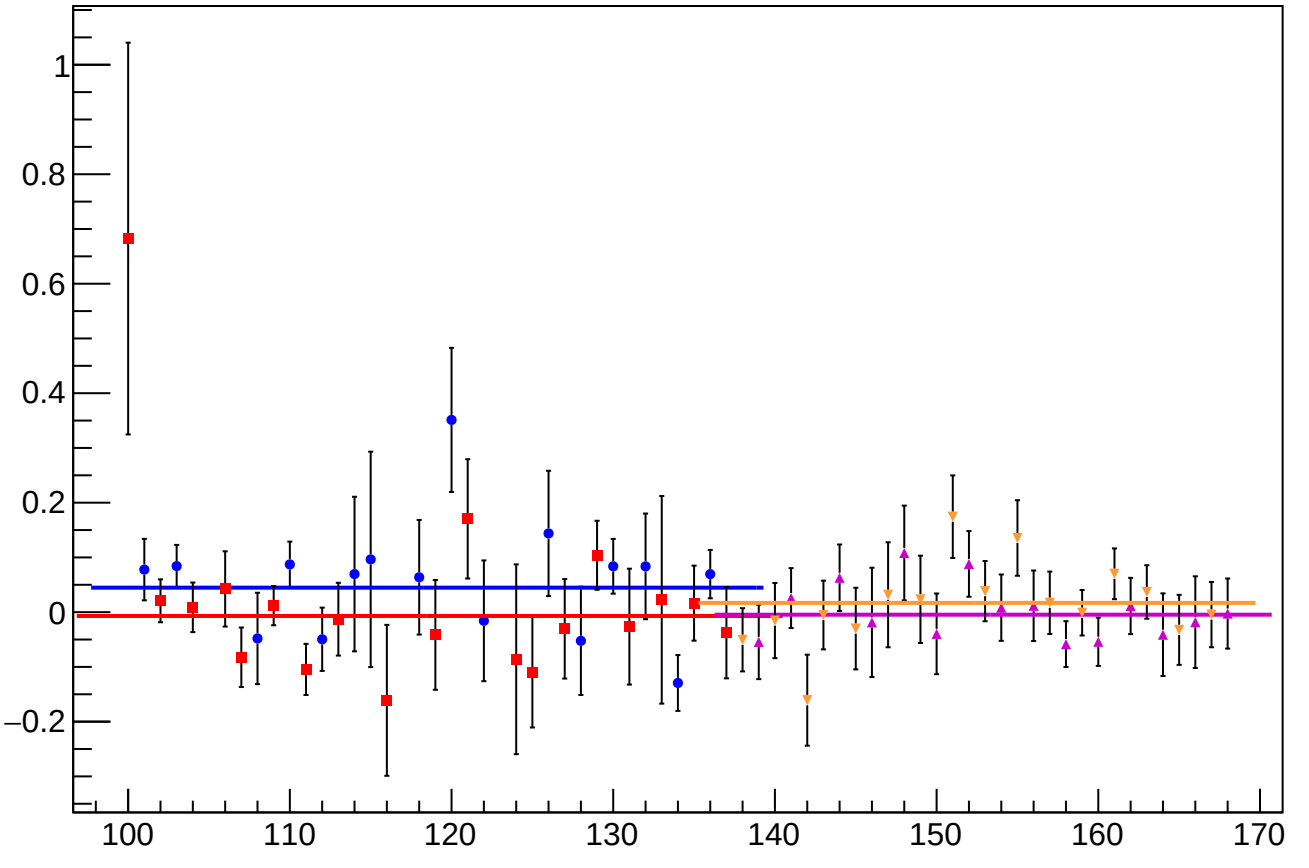
Left: 0.000+/-0.000 χ^2/NDF: 1299339.2/30

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2636888.8/30

Out: 0.000+/-0.000 χ^2/NDF:2523949.2/34

All: 0.000+/-0.000 χ^2/NDF: 5163198.9/65



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/14

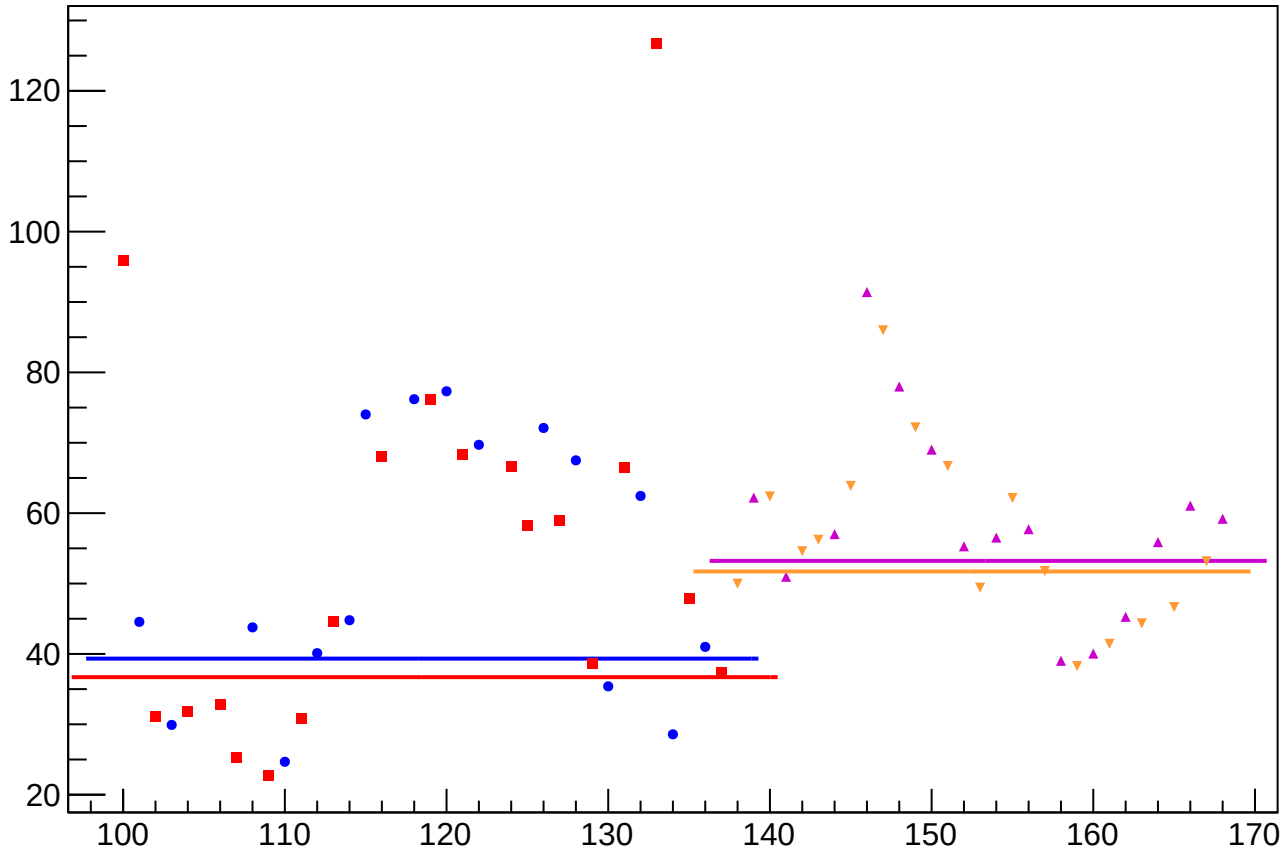
Left: 0.007+/-0.011 χ^2/NDF: 27.3/30

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.2/30

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.1/65



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.218+/-0.011 χ^2/NDF:1106499.2/14

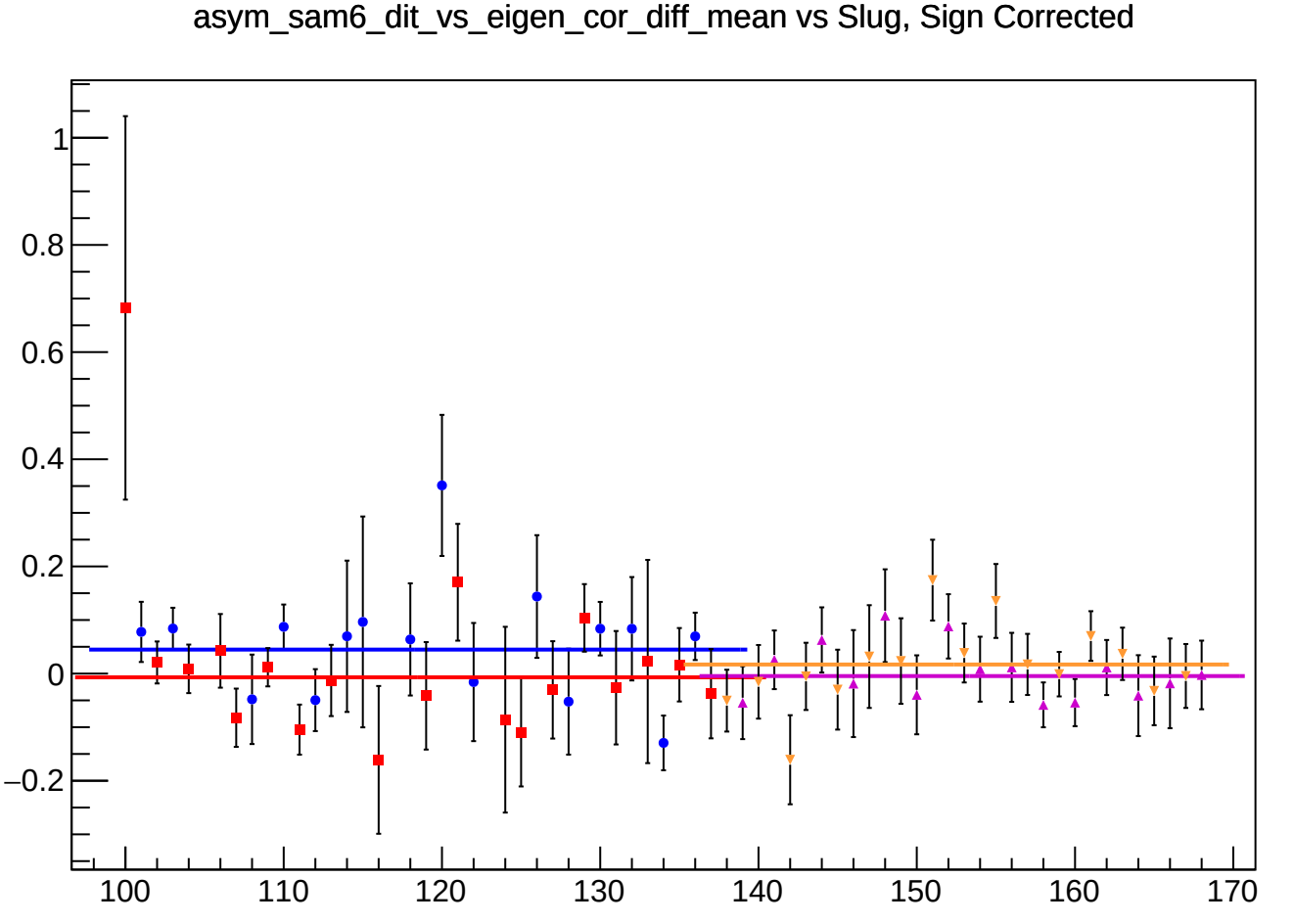
Left: 52.439+/-0.008 χ^2/NDF: 2114507.4/30

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.415+/-0.008 χ^2/NDF:3438918.2/30

Out: 44.200+/-0.008 χ^2/NDF:4081819.7/34

All: 45.255+/-0.005 χ^2/NDF: 7561620.1/65



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/14

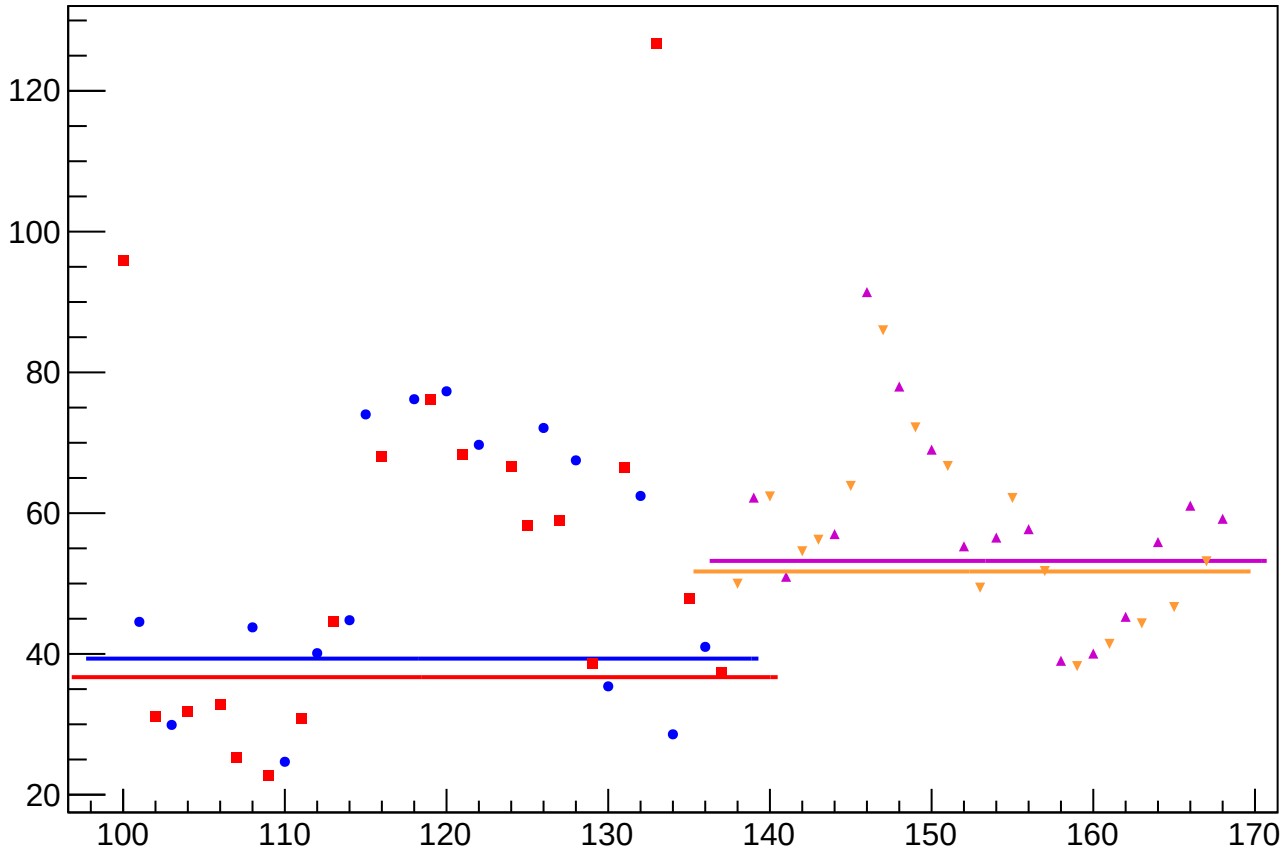
Left: 0.007+/-0.011 χ^2/NDF: 27.3/30

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.2/30

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.1/65



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.717+/-0.011 χ^2/NDF:998530.4/15

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.218+/-0.011 χ^2/NDF:1106499.2/14

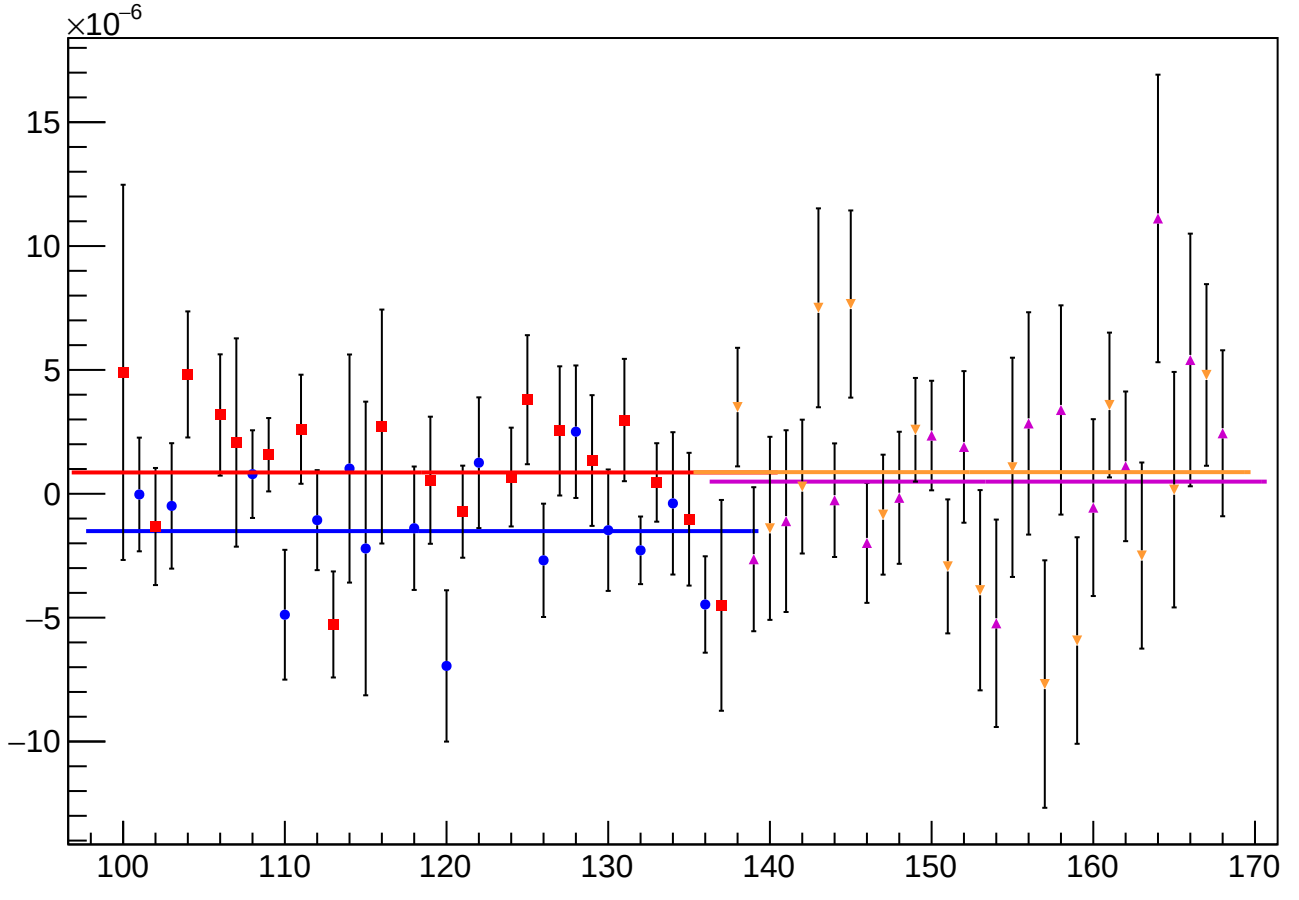
Left: 52.439+/-0.008 χ^2/NDF: 2114507.4/30

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.415+/-0.008 χ^2/NDF:3438918.2/30

Out: 44.200+/-0.008 χ^2/NDF:4081819.7/34

All: 45.255+/-0.005 χ^2/NDF: 7561620.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/14

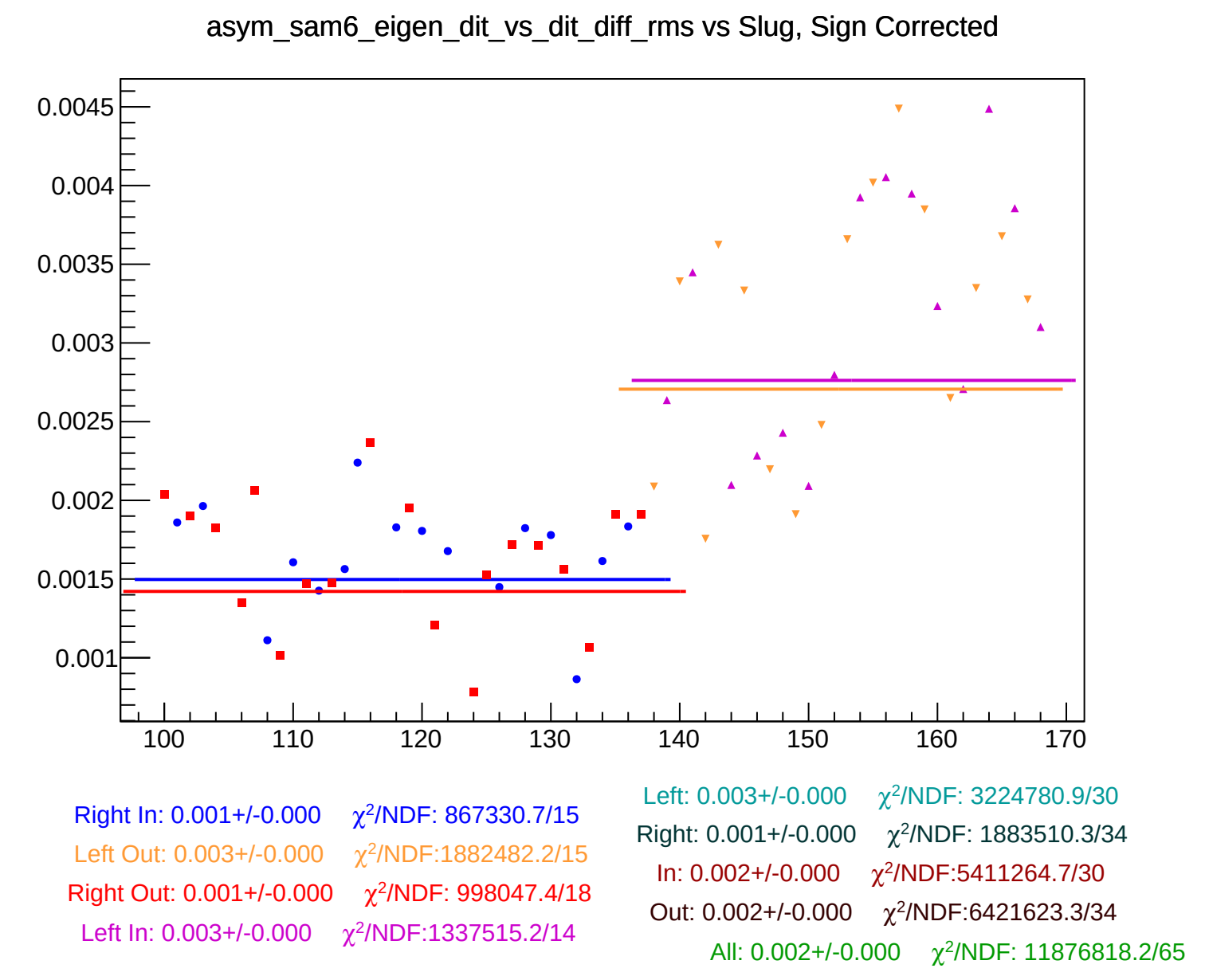
Left: 0.000+/-0.000 χ^2/NDF: 31.5/30

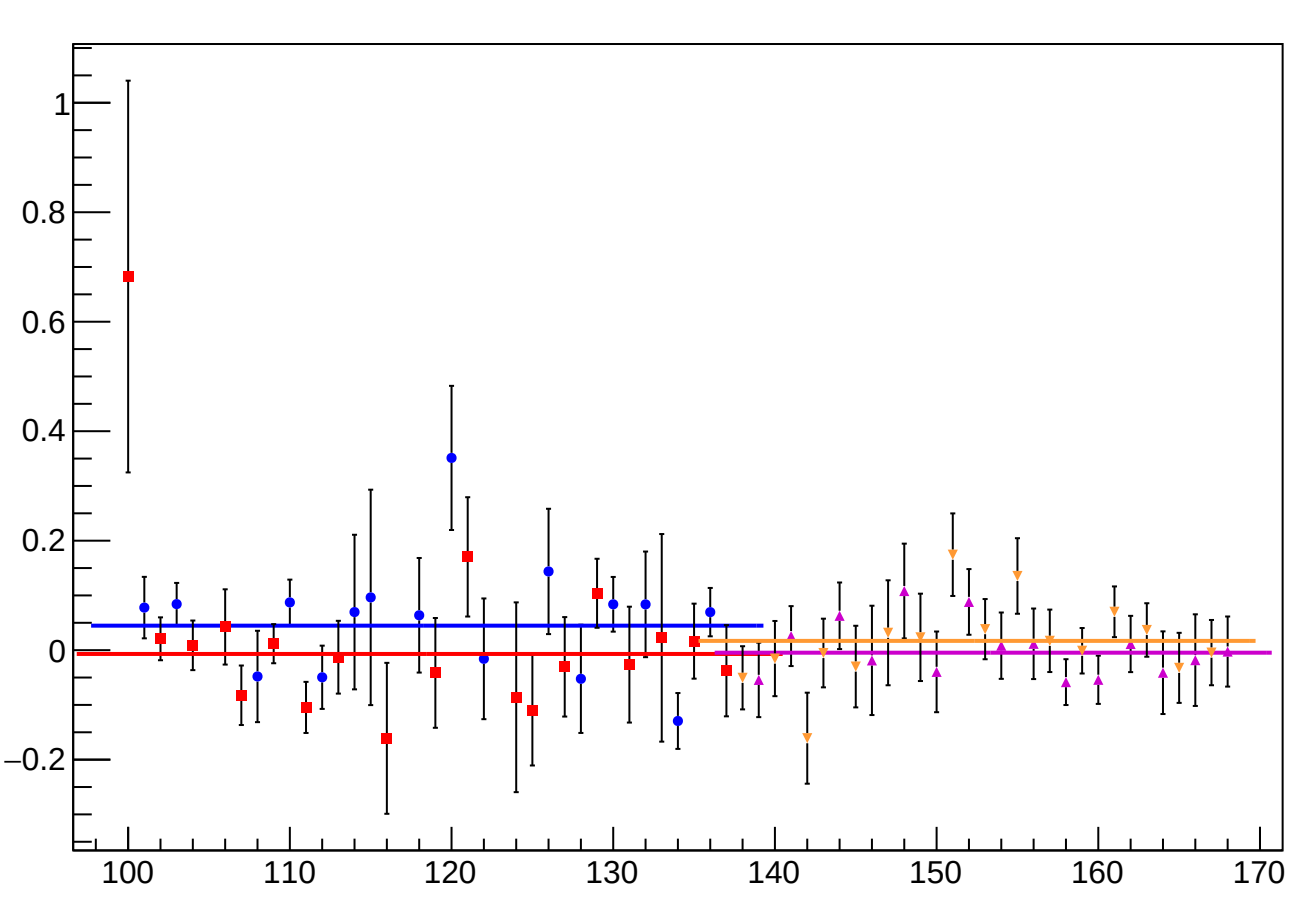
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:28.7/30

Out: 0.000+/-0.000 χ^2/NDF:39.7/34

All: 0.000+/-0.000 χ^2/NDF: 75.1/65


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
170
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1882482.2/15
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1337515.2/14
Left: 0.003+/-0.000 χ²/NDF: 3224780.9/30
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5411264.7/30
Out: 0.002+/-0.000 χ²/NDF:6421623.3/34
All: 0.002+/-0.000 χ²/NDF: 11876818.2/65



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/14

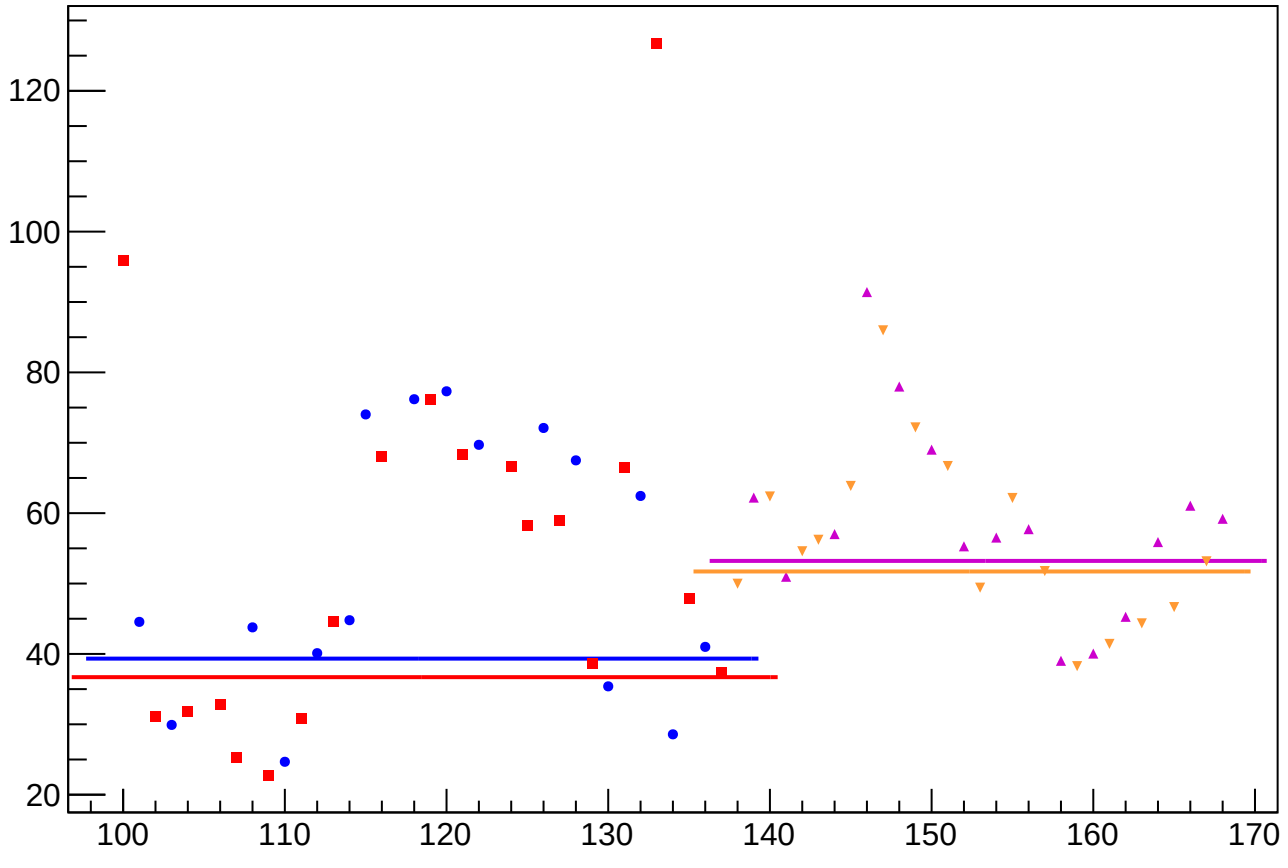
Left: 0.007+/-0.011 χ^2/NDF: 27.3/30

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.2/30

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.1/65



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.715+/-0.011 χ^2/NDF:998602.8/15

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.216+/-0.011 χ^2/NDF:1106620.7/14

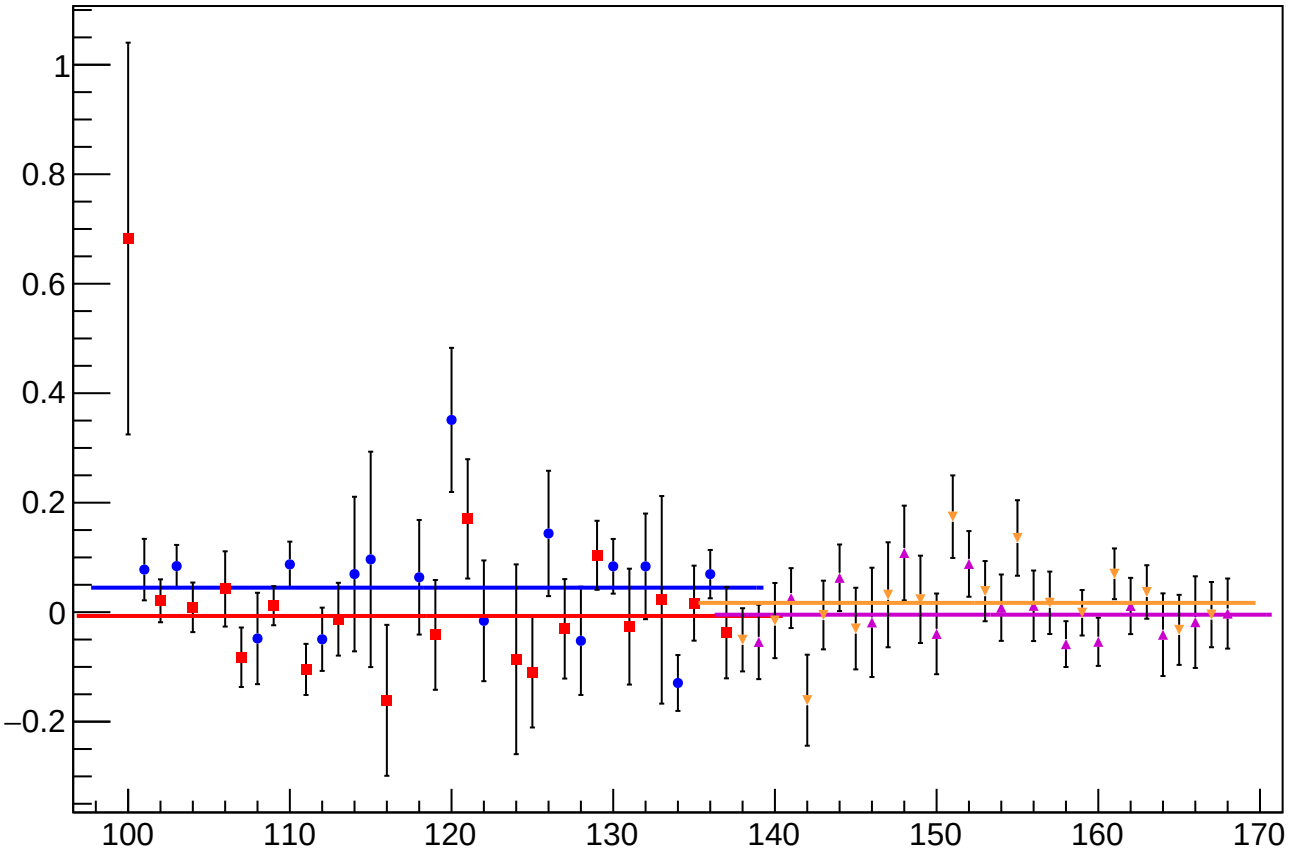
Left: 52.438+/-0.008 χ^2/NDF: 2114699.4/30

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.414+/-0.008 χ^2/NDF:3439002.9/30

Out: 44.199+/-0.008 χ^2/NDF:4081799.5/34

All: 45.254+/-0.005 χ^2/NDF: 7561676.1/65



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/15

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.005+/-0.016 χ^2/NDF:9.8/14

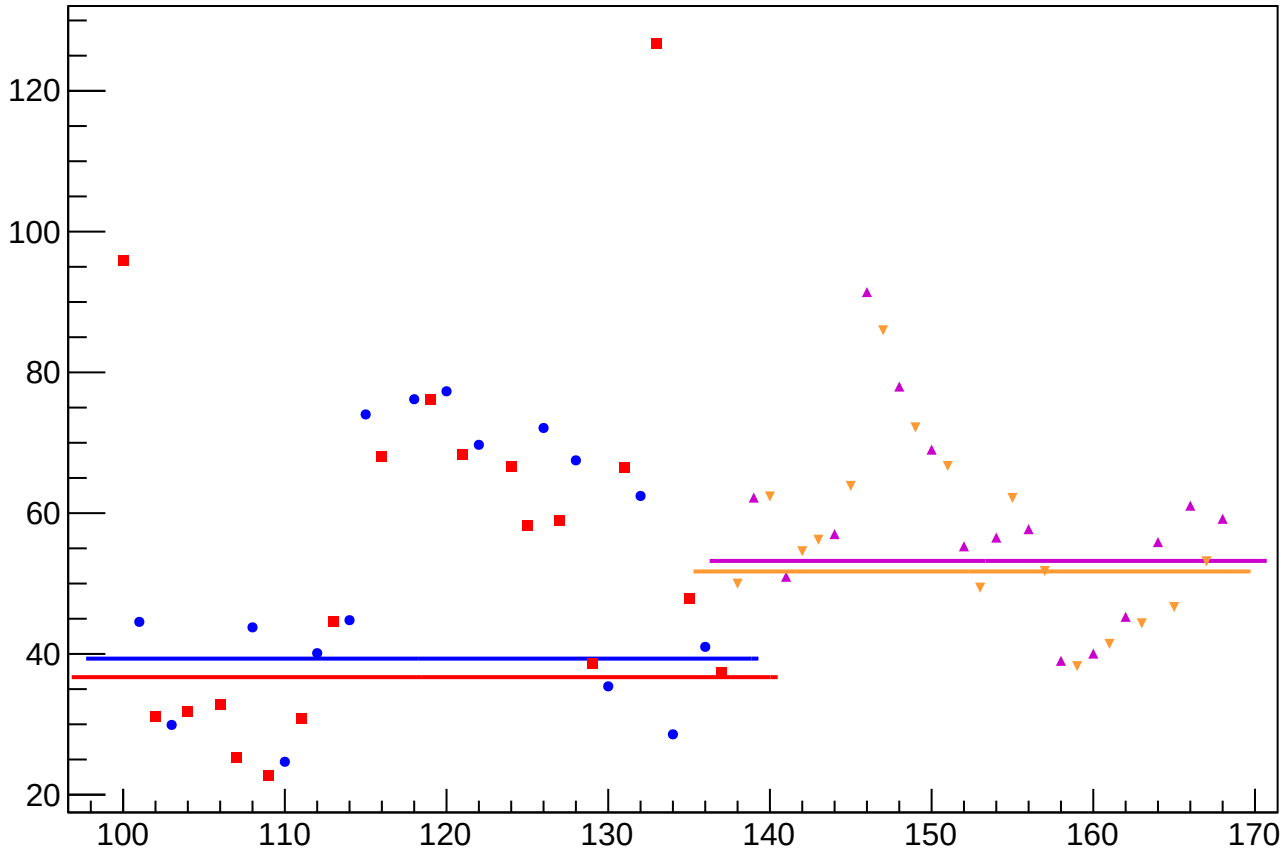
Left: 0.007+/-0.011 χ^2/NDF: 27.3/30

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.020+/-0.011 χ^2/NDF:41.2/30

Out: 0.005+/-0.011 χ^2/NDF:38.0/34

All: 0.012+/-0.008 χ^2/NDF: 80.1/65



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.715+/-0.011 χ^2/NDF:998602.8/15

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.216+/-0.011 χ^2/NDF:1106620.7/14

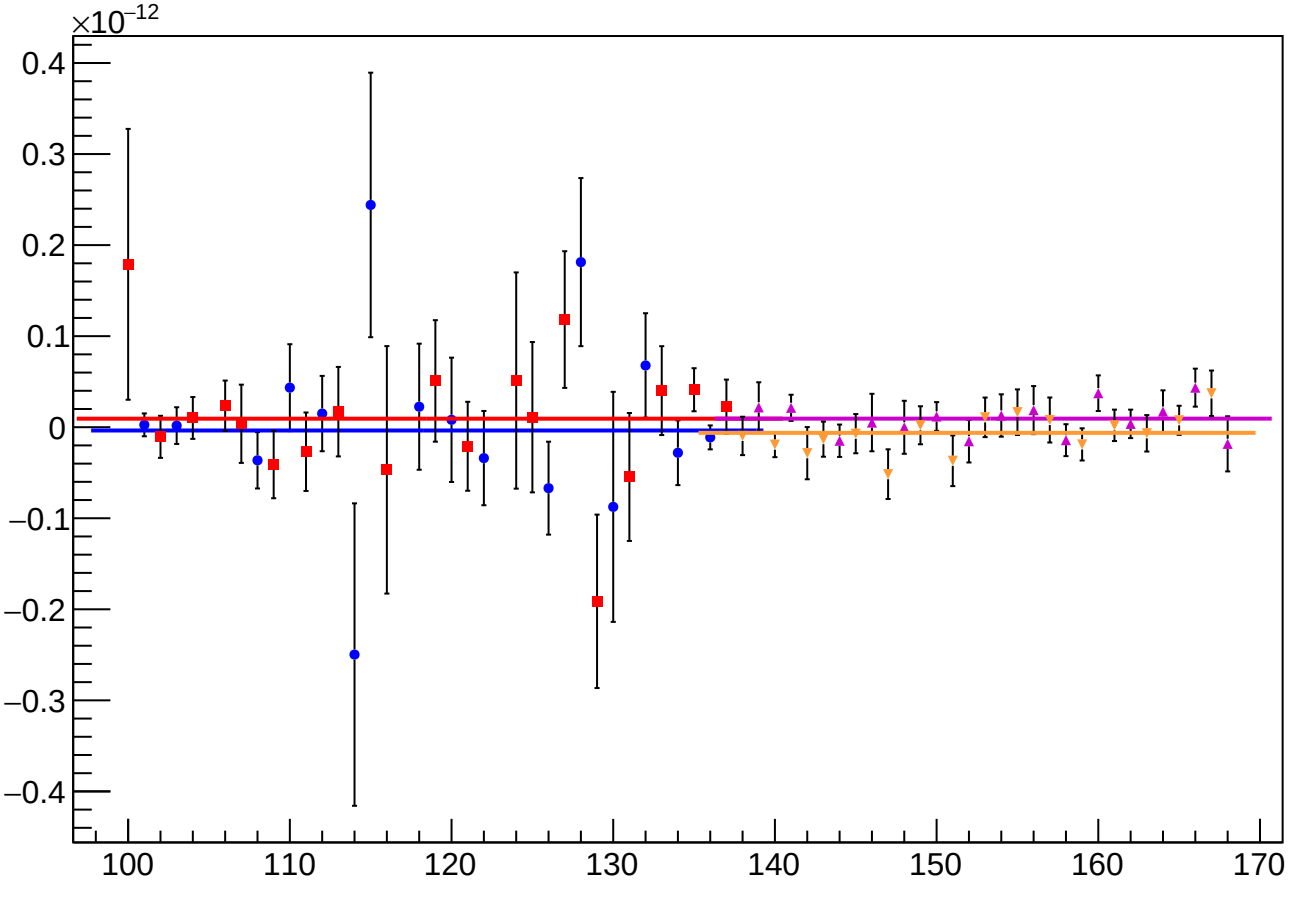
Left: 52.438+/-0.008 χ^2/NDF: 2114699.4/30

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.414+/-0.008 χ^2/NDF:3439002.9/30

Out: 44.199+/-0.008 χ^2/NDF:4081799.5/34

All: 45.254+/-0.005 χ^2/NDF: 7561676.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/14

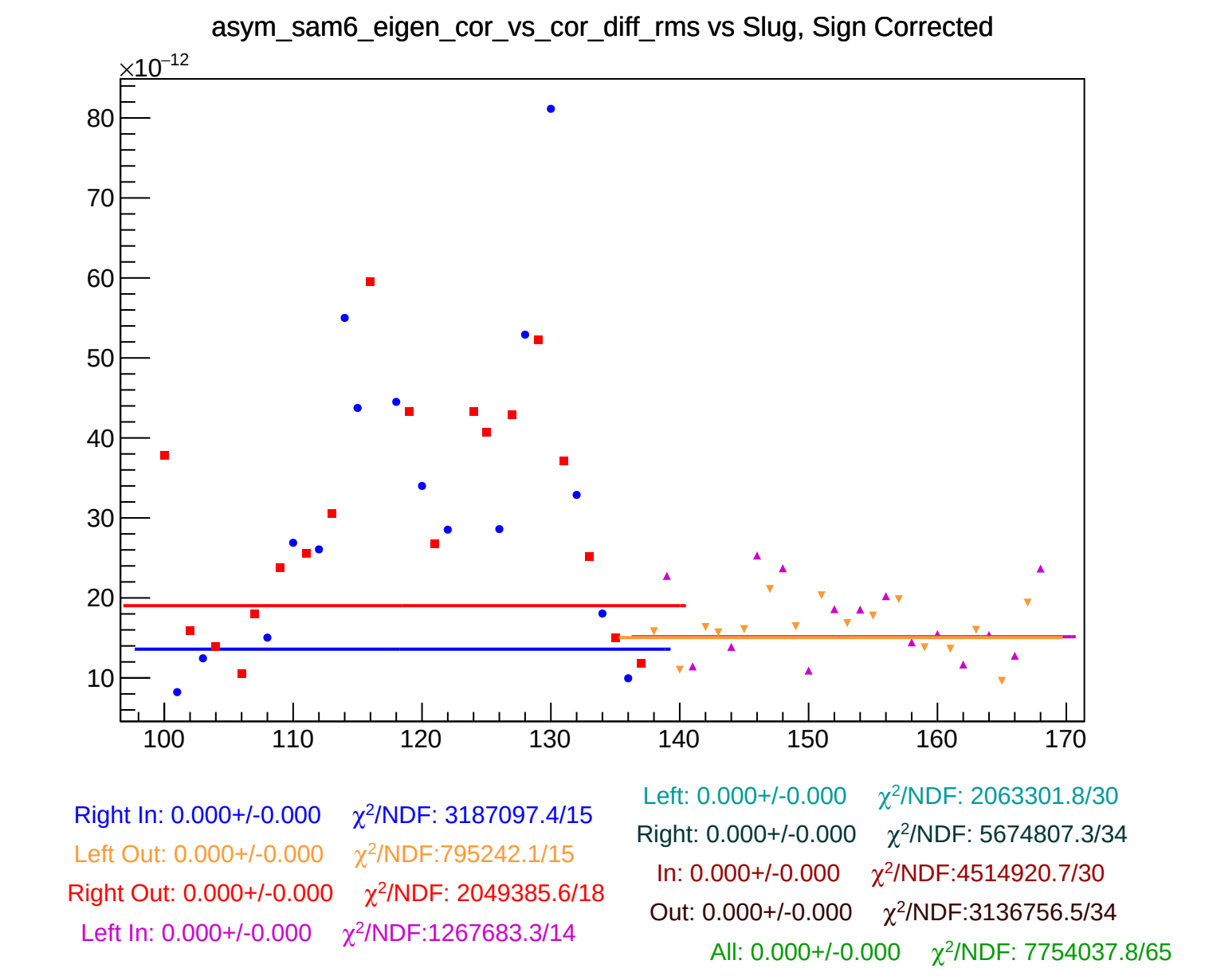
Left: 0.000+/-0.000 χ^2/NDF: 28.3/30

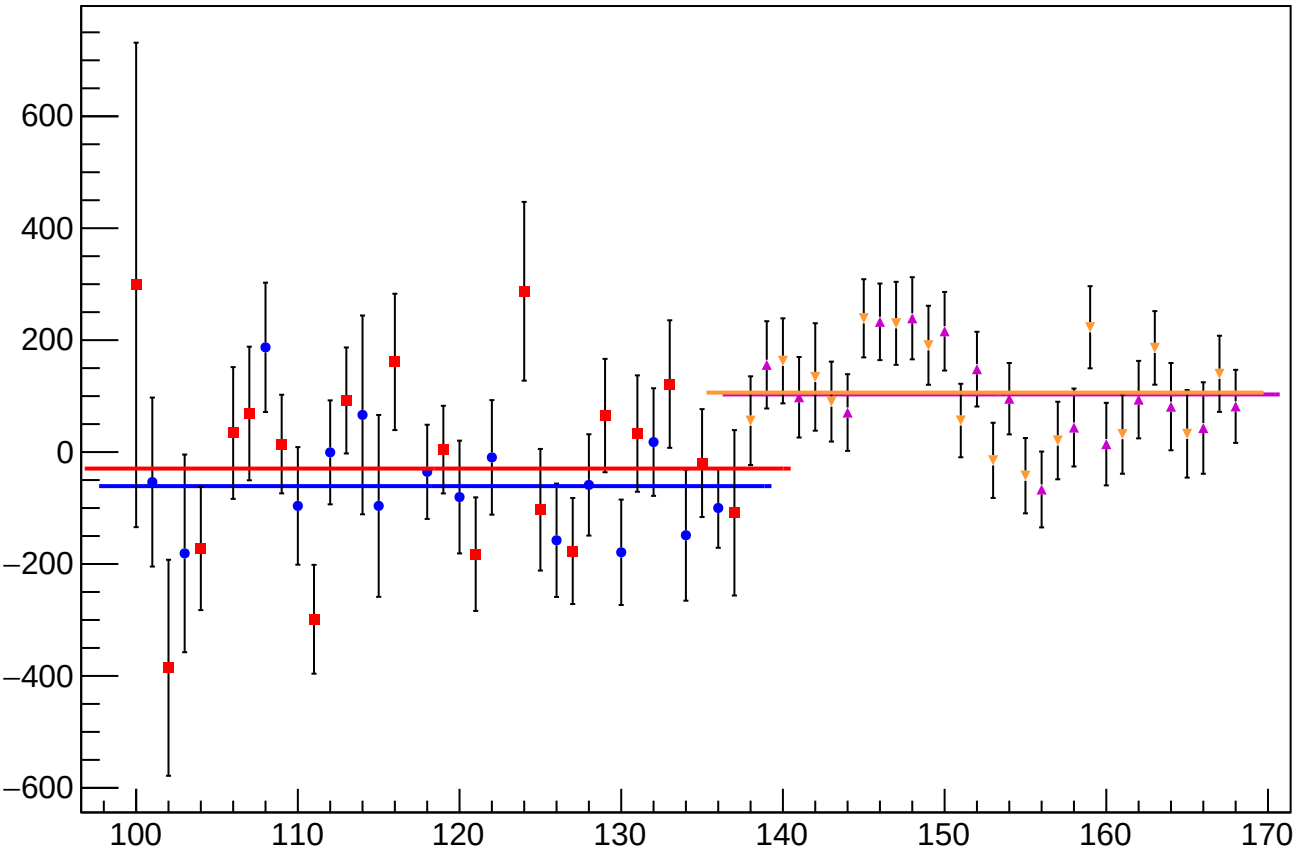
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:30.5/30

Out: -0.000+/-0.000 χ^2/NDF:30.0/34

All: 0.000+/-0.000 χ^2/NDF: 61.9/65


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:795242.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1267683.3/14
Left: 0.000+/-0.000 χ²/NDF: 2063301.8/30
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4514920.7/30
Out: 0.000+/-0.000 χ²/NDF:3136756.5/34
All: 0.000+/-0.000 χ²/NDF: 7754037.8/65



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.279+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 102.979+/-18.232 χ^2/NDF:20.0/14

Left: 104.654+/-12.792 χ^2/NDF: 45.4/30

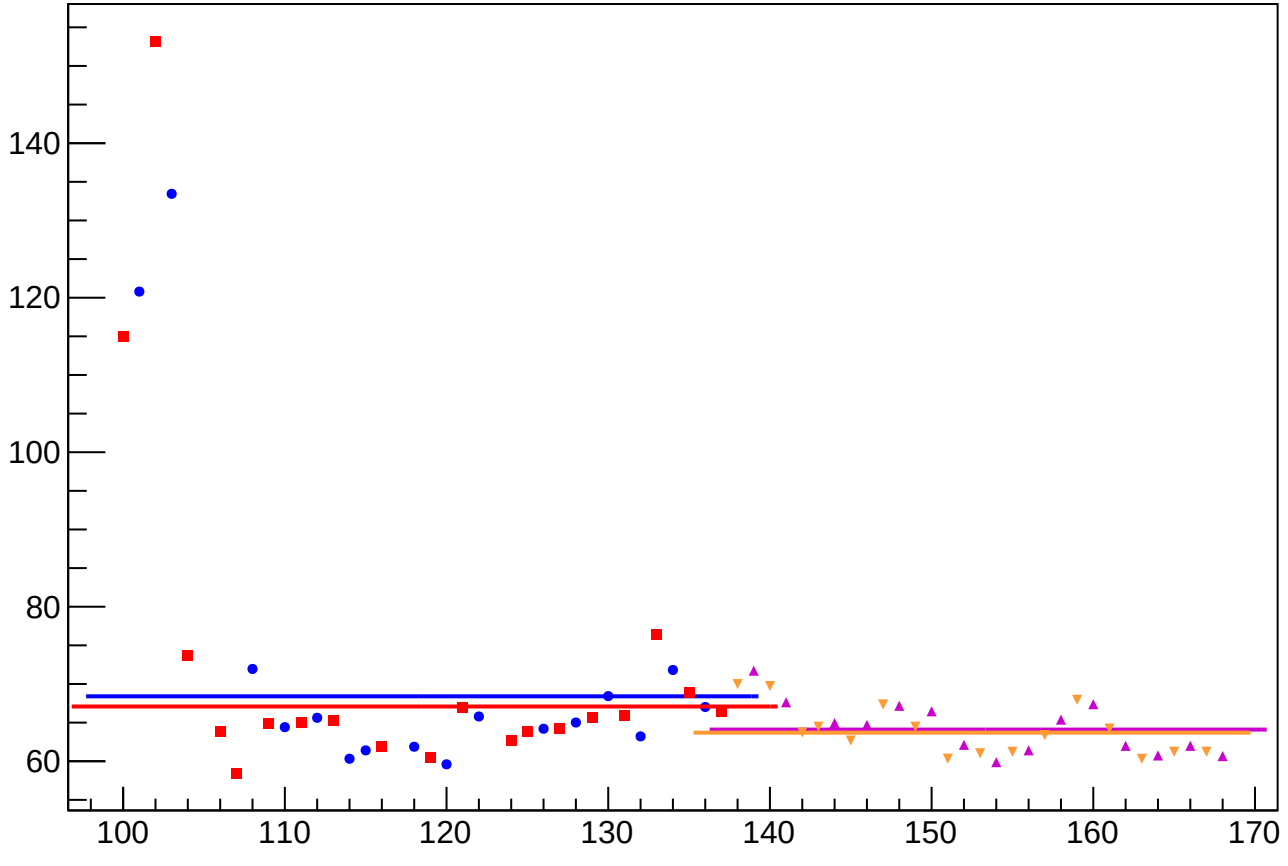
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 49.126+/-14.938 χ^2/NDF:57.1/30

Out: 60.356+/-14.603 χ^2/NDF:75.9/34

All: 54.868+/-10.442 χ^2/NDF: 133.3/65

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.096+/-0.013 χ^2/NDF:60882.8/14

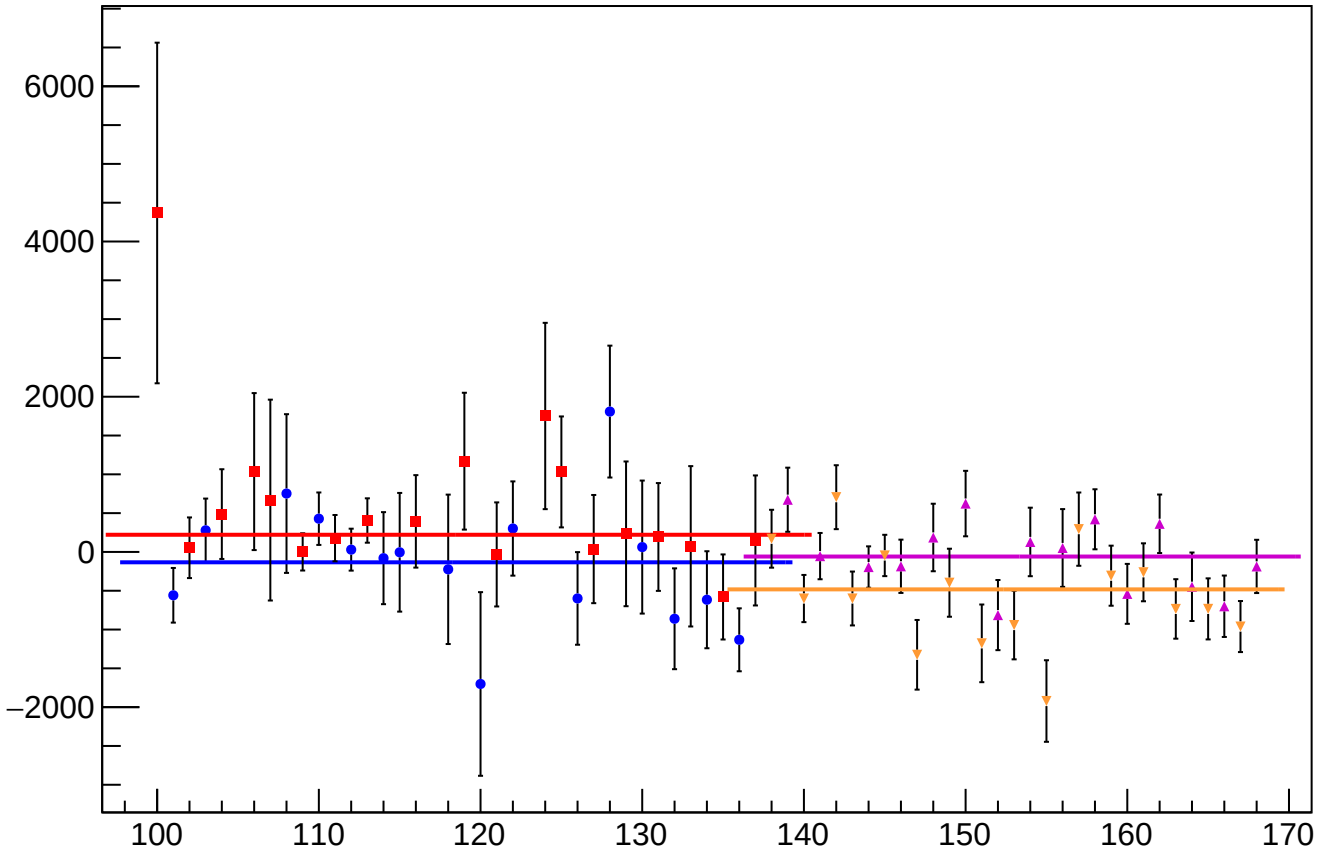
Left: 63.894+/-0.009 χ^2/NDF: 120183.6/30

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.512+/-0.011 χ^2/NDF:667131.5/30

Out: 64.845+/-0.010 χ^2/NDF:564721.9/34

All: 65.171+/-0.007 χ^2/NDF: 1233895.4/65



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -59.211+/-97.579 χ^2/NDF:17.4/14

Left: -275.781+/-68.185 χ^2/NDF: 61.6/30

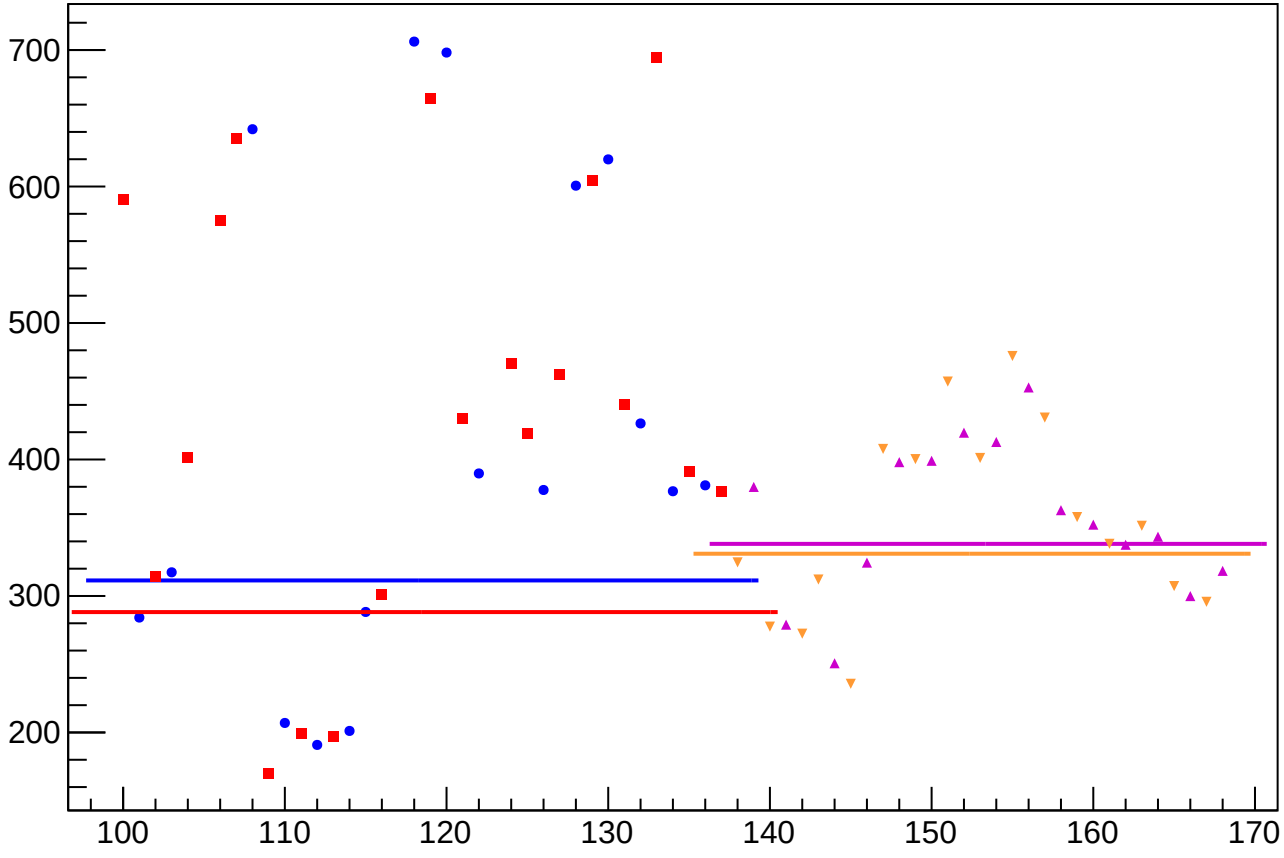
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -87.123+/-77.127 χ^2/NDF:40.1/30

Out: -203.926+/-74.094 χ^2/NDF:68.7/34

All: -147.866+/-53.432 χ^2/NDF: 110.0/65

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 330.957+/-0.067 χ^2/NDF:938580.0/15

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 338.177+/-0.069 χ^2/NDF:660456.7/14

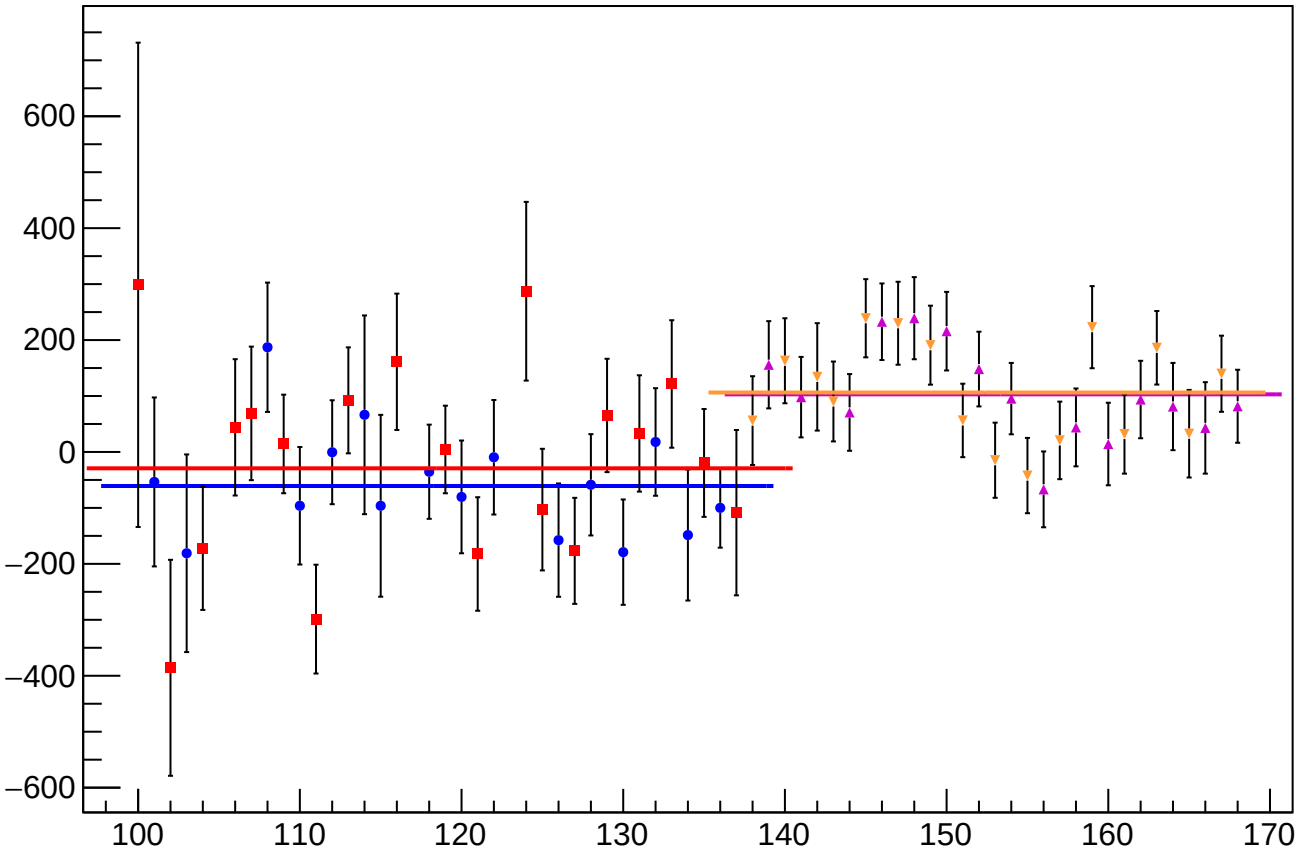
Left: 334.482+/-0.048 χ^2/NDF: 1604641.1/30

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 328.124+/-0.055 χ^2/NDF:2840830.9/30

Out: 314.038+/-0.052 χ^2/NDF:3813182.6/34

All: 320.799+/-0.038 χ^2/NDF: 6688703.3/65



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.978+/-18.232 χ^2/NDF:20.0/14

Left: 104.654+/-12.792 χ^2/NDF: 45.4/30

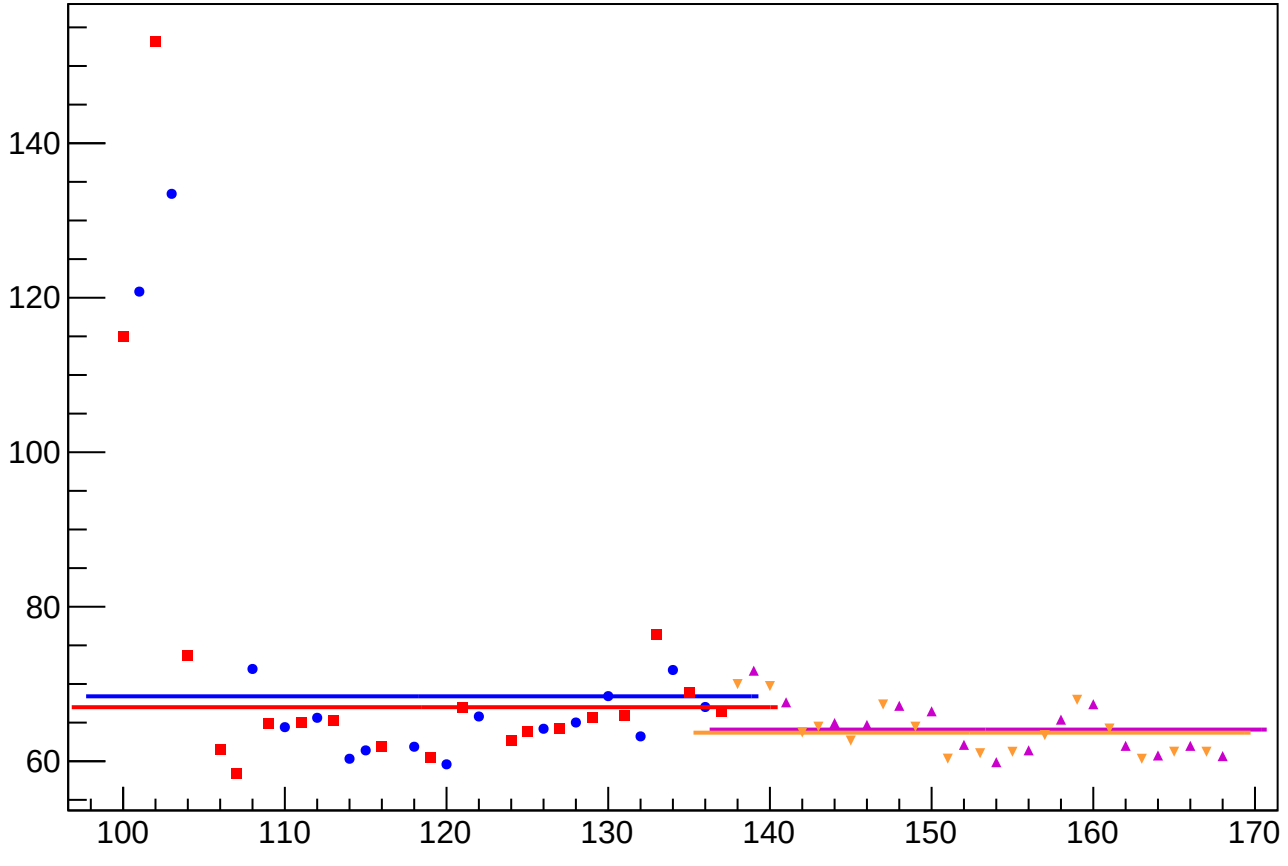
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.125+/-14.938 χ^2/NDF:57.1/30

Out: 60.526+/-14.610 χ^2/NDF:75.9/34

All: 54.951+/-10.445 χ^2/NDF: 133.3/65

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.096+/-0.013 χ^2/NDF:60882.7/14

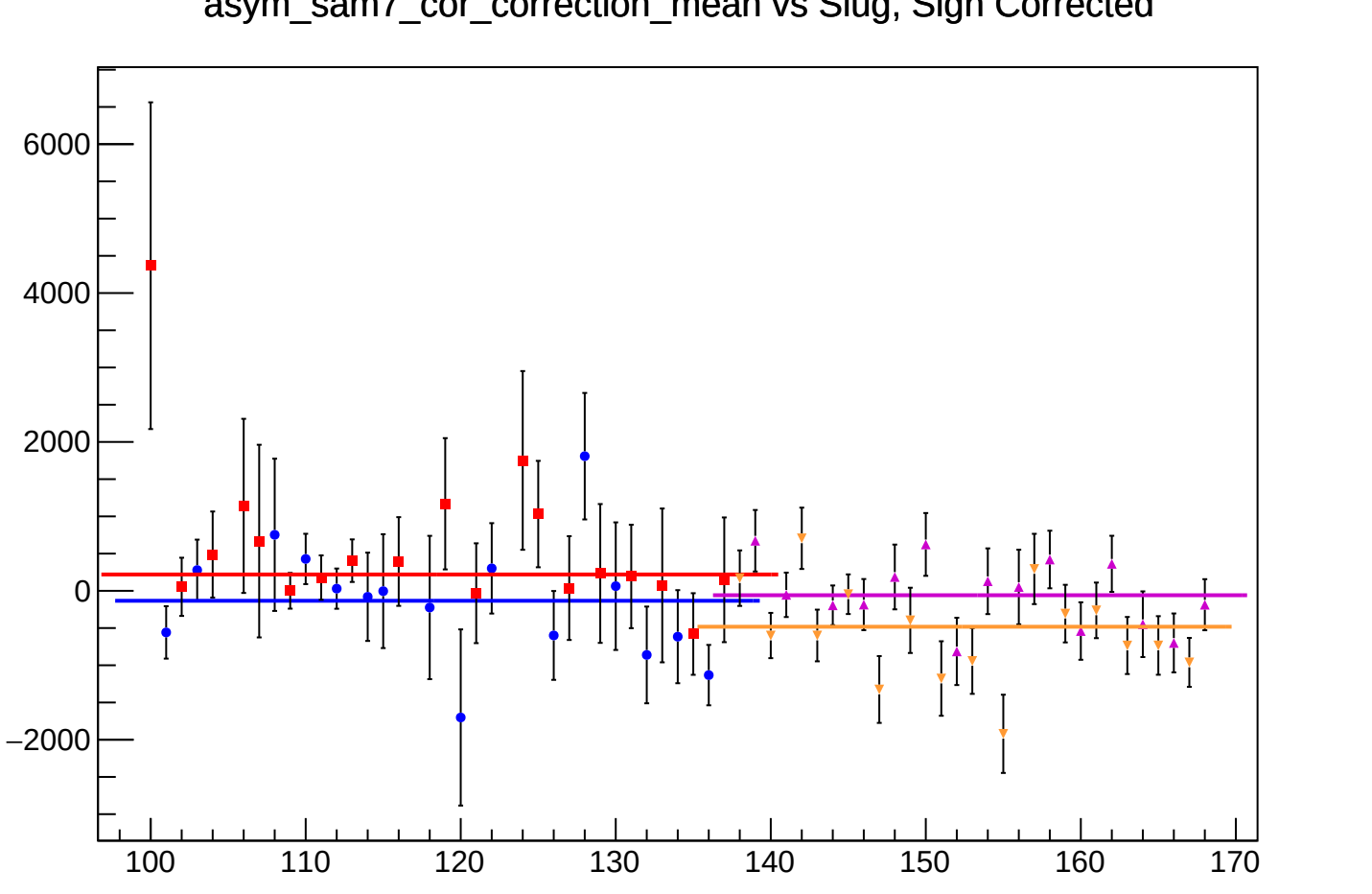
Left: 63.894+/-0.009 χ^2/NDF: 120183.6/30

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.512+/-0.011 χ^2/NDF:667131.8/30

Out: 64.812+/-0.010 χ^2/NDF:566070.8/34

All: 65.154+/-0.007 χ^2/NDF: 1235450.6/65



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -482.424+/-95.317 χ^2/NDF:34.6/15

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -59.216+/-97.579 χ^2/NDF:17.4/14

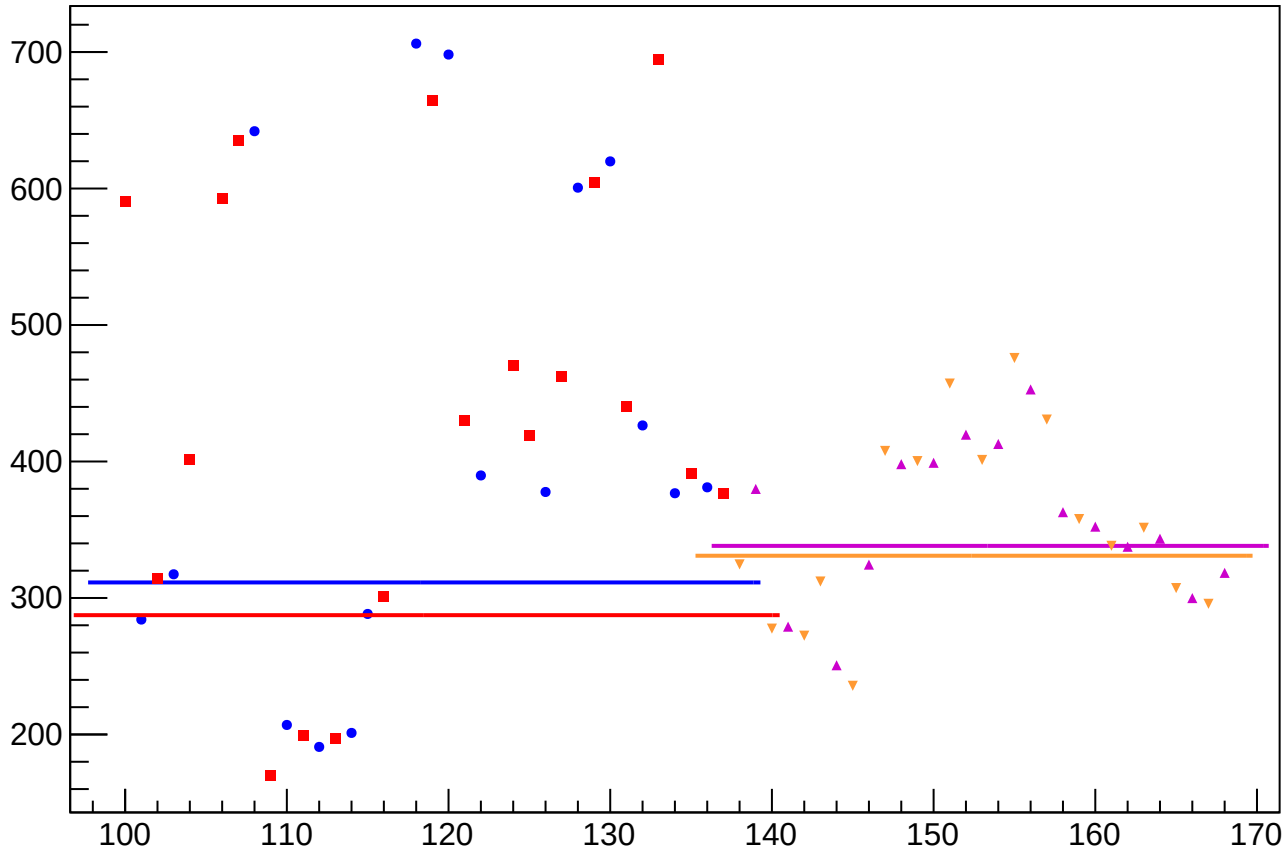
Left: -275.784+/-68.185 χ^2/NDF: 61.6/30

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -87.125+/-77.127 χ^2/NDF:40.1/30

Out: -205.192+/-74.145 χ^2/NDF:68.6/34

All: -148.485+/-53.452 χ^2/NDF: 109.8/65



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 338.178+/-0.069 χ^2/NDF:660453.9/14

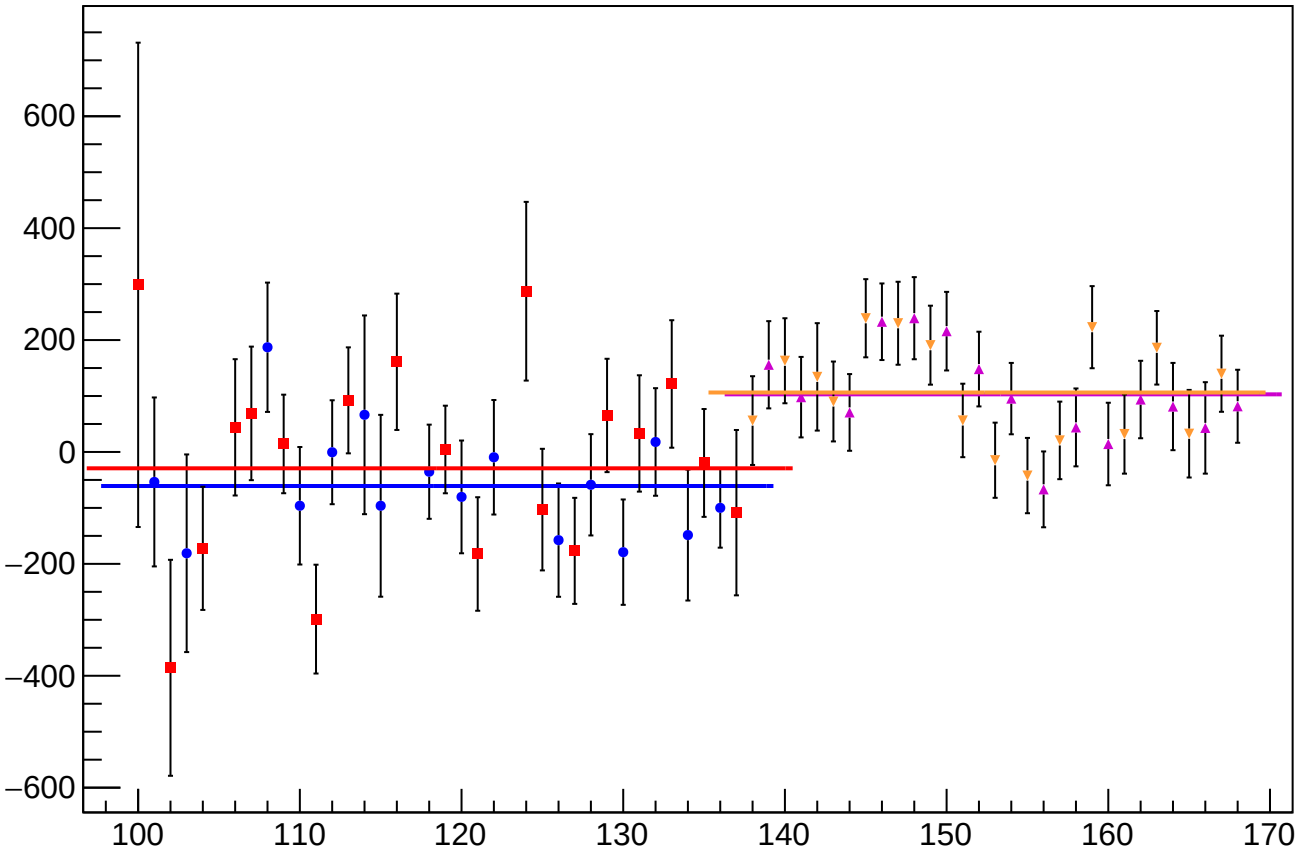
Left: 334.482+/-0.048 χ^2/NDF: 1604644.1/30

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.125+/-0.055 χ^2/NDF:2840822.0/30

Out: 313.761+/-0.052 χ^2/NDF:3793665.1/34

All: 320.660+/-0.038 χ^2/NDF: 6670535.0/65



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.280+/-17.952 χ^2/NDF:25.4/15

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.978+/-18.232 χ^2/NDF:20.0/14

Left: 104.654+/-12.792 χ^2/NDF: 45.4/30

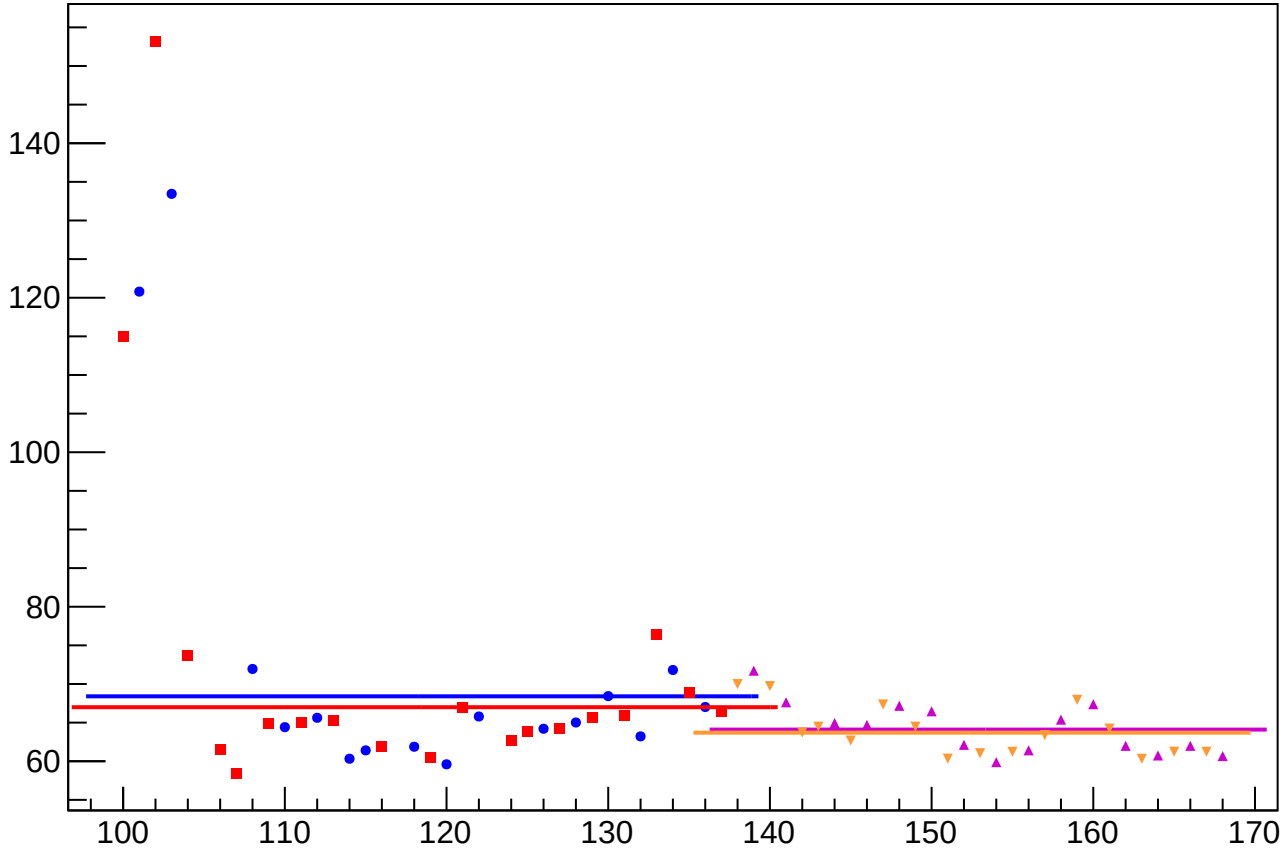
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.125+/-14.938 χ^2/NDF:57.1/30

Out: 60.526+/-14.610 χ^2/NDF:75.9/34

All: 54.951+/-10.445 χ^2/NDF: 133.3/65

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.699+/-0.013 χ^2/NDF:58817.7/15

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.096+/-0.013 χ^2/NDF:60882.7/14

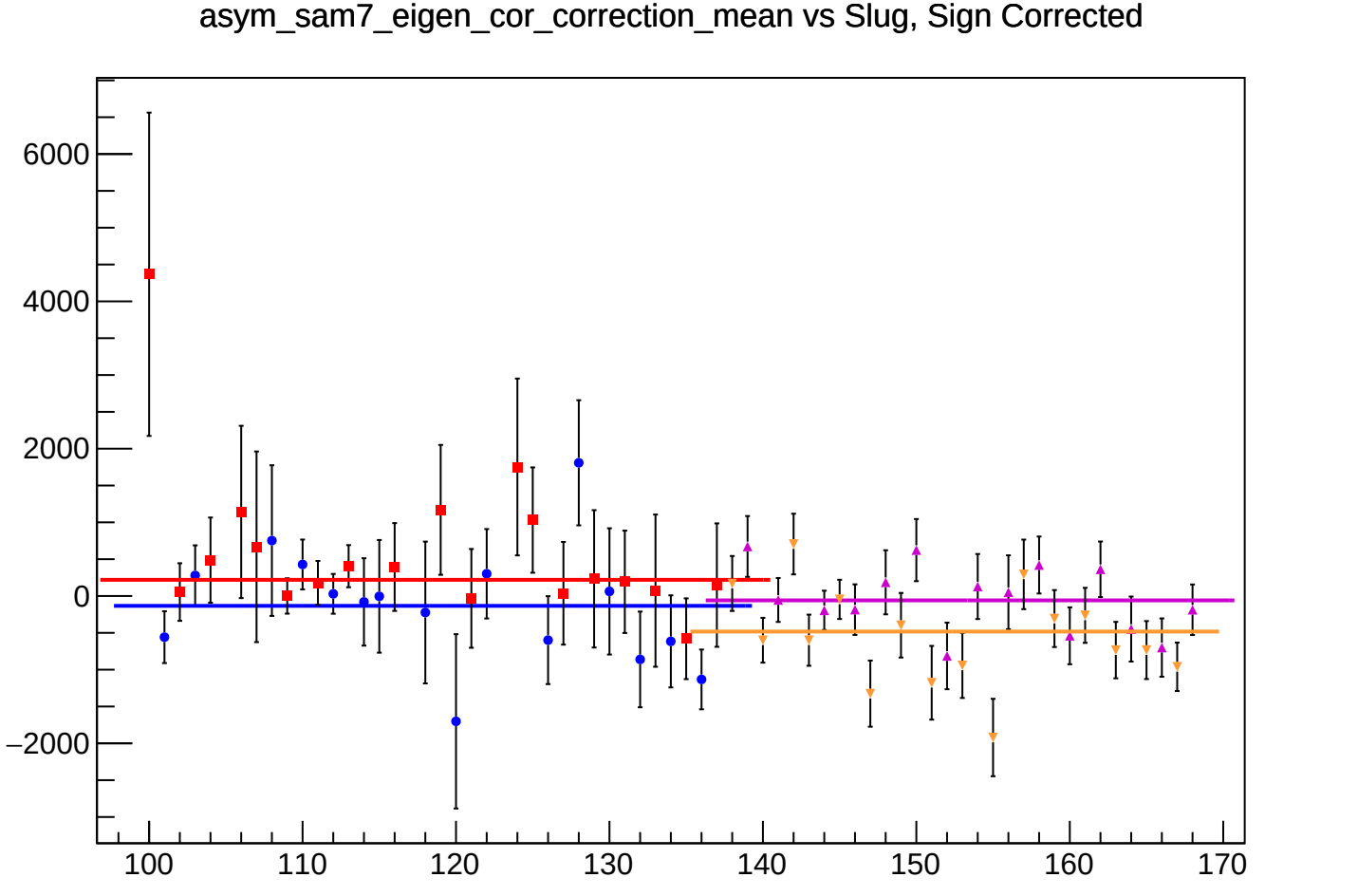
Left: 63.894+/-0.009 χ^2/NDF: 120183.6/30

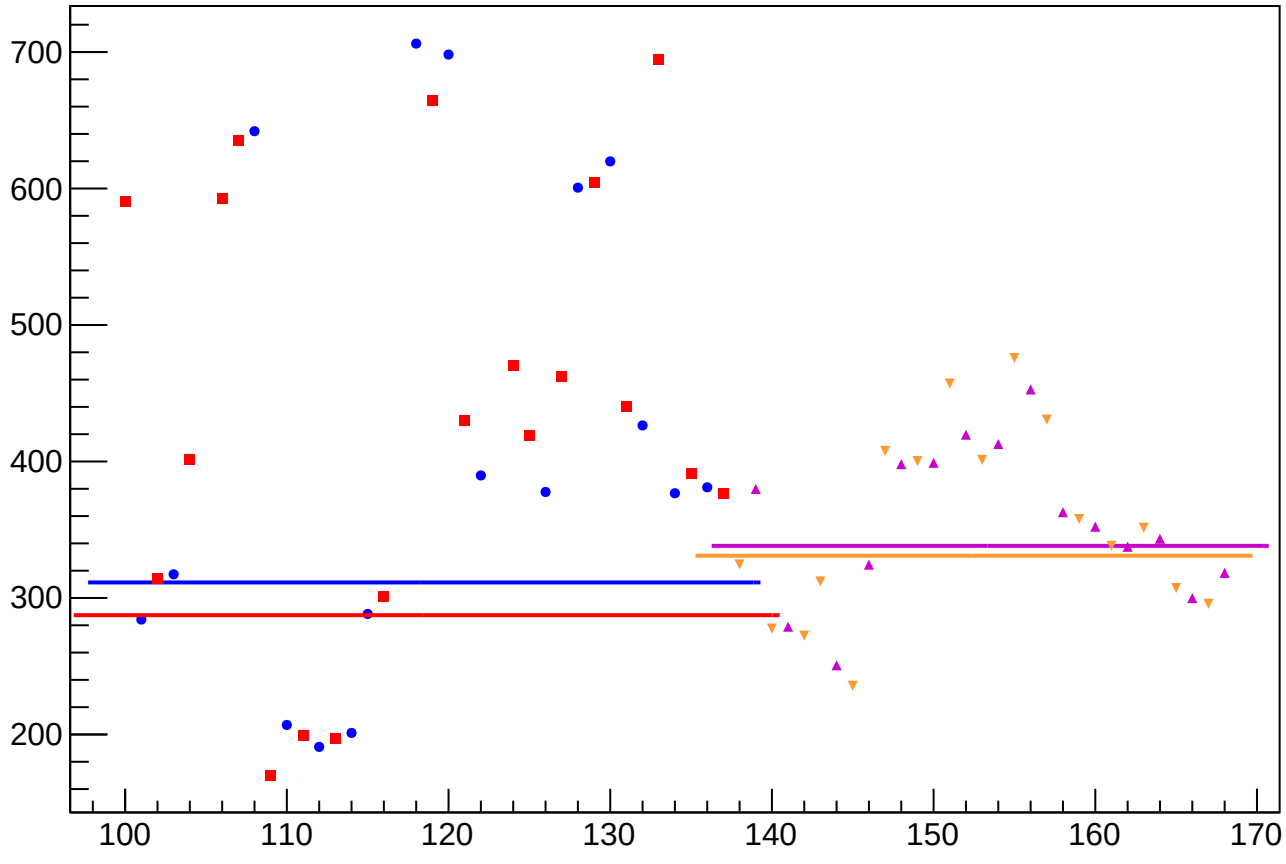
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.512+/-0.011 χ^2/NDF:667131.8/30

Out: 64.812+/-0.010 χ^2/NDF:566070.8/34

All: 65.154+/-0.007 χ^2/NDF: 1235450.6/65


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -133.587+/-125.904 χ²/NDF: 22.5/15
Left Out: -482.424+/-95.317 χ²/NDF:34.6/15
Right Out: 219.615+/-117.989 χ²/NDF: 12.5/18
Left In: -59.216+/-97.579 χ²/NDF:17.4/14
Left: -275.784+/-68.185 χ²/NDF: 61.6/30
Right: 54.464+/-86.093 χ²/NDF: 39.2/34
In: -87.125+/-77.127 χ²/NDF:40.1/30
Out: -205.192+/-74.145 χ²/NDF:68.6/34
All: -148.485+/-53.452 χ²/NDF: 109.8/65



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 330.956+/-0.067 χ^2/NDF:938585.0/15

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 338.178+/-0.069 χ^2/NDF:660453.9/14

Left: 334.482+/-0.048 χ^2/NDF: 1604644.1/30

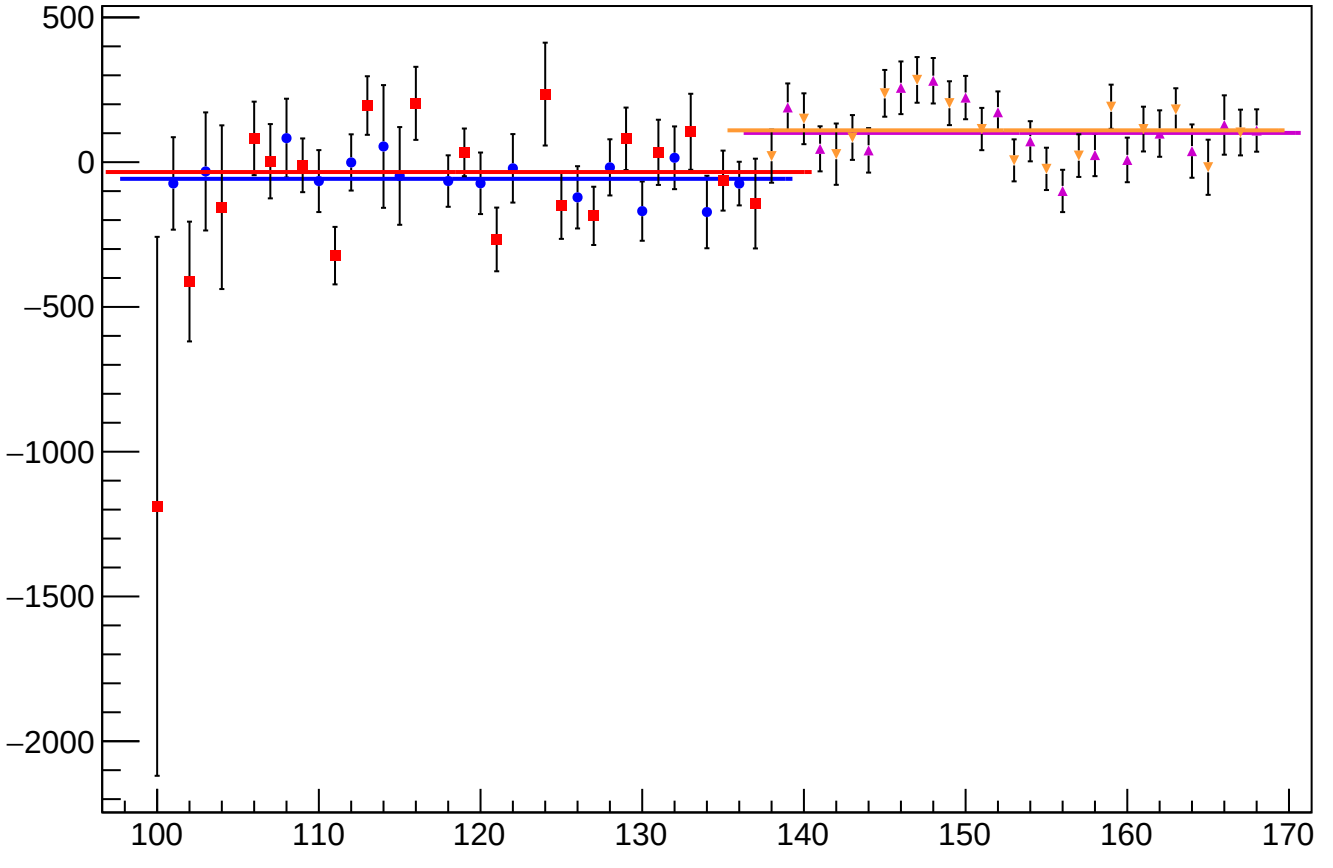
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.125+/-0.055 χ^2/NDF:2840822.0/30

Out: 313.761+/-0.052 χ^2/NDF:3793665.1/34

All: 320.660+/-0.038 χ^2/NDF: 6670535.0/65

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 101.080+/-20.235 χ^2/NDF:24.9/14

Left: 105.608+/-14.170 χ^2/NDF: 46.5/30

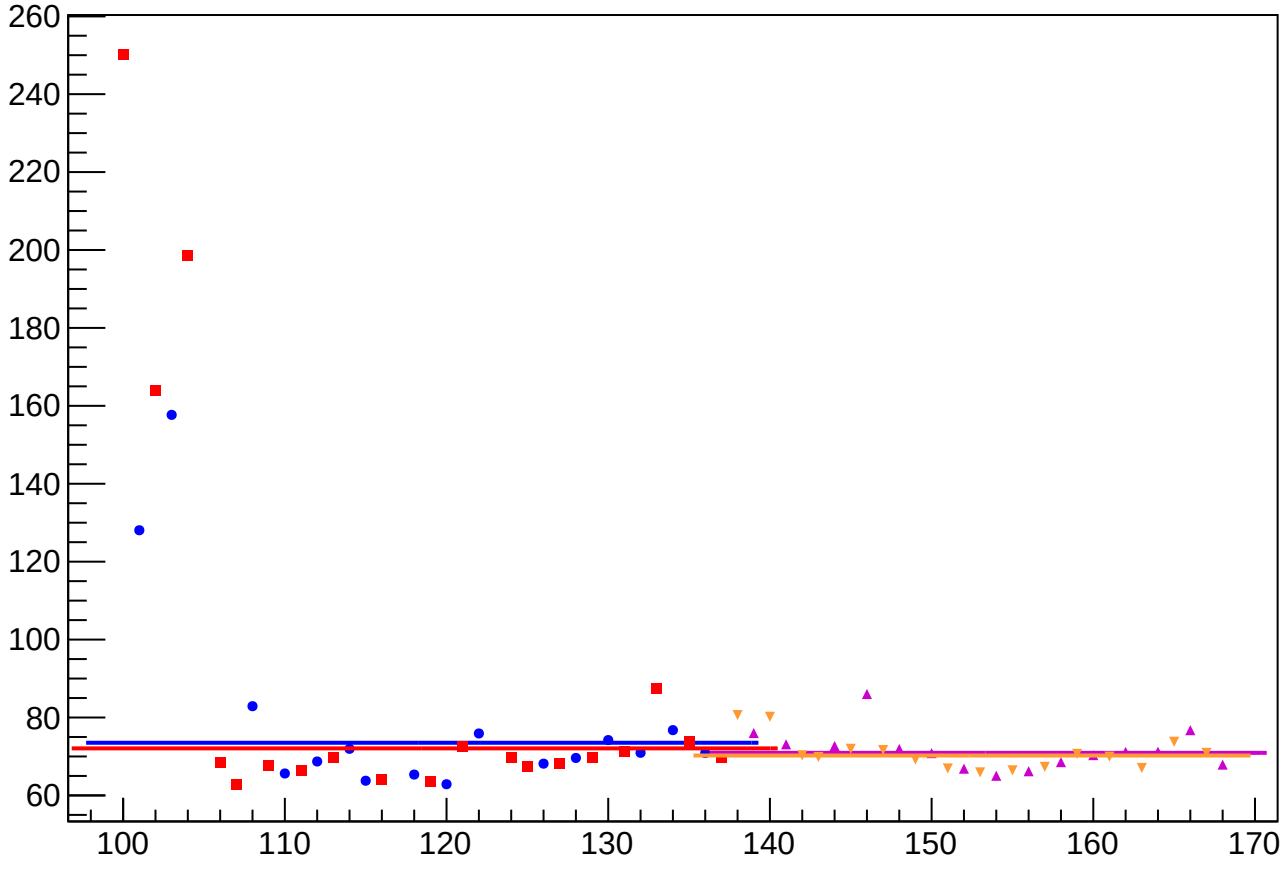
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 46.883+/-16.418 χ^2/NDF:50.8/30

Out: 60.397+/-16.075 χ^2/NDF:76.7/34

All: 53.783+/-11.486 χ^2/NDF: 127.8/65

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.8/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.930+/-0.014 χ^2/NDF:106923.3/14

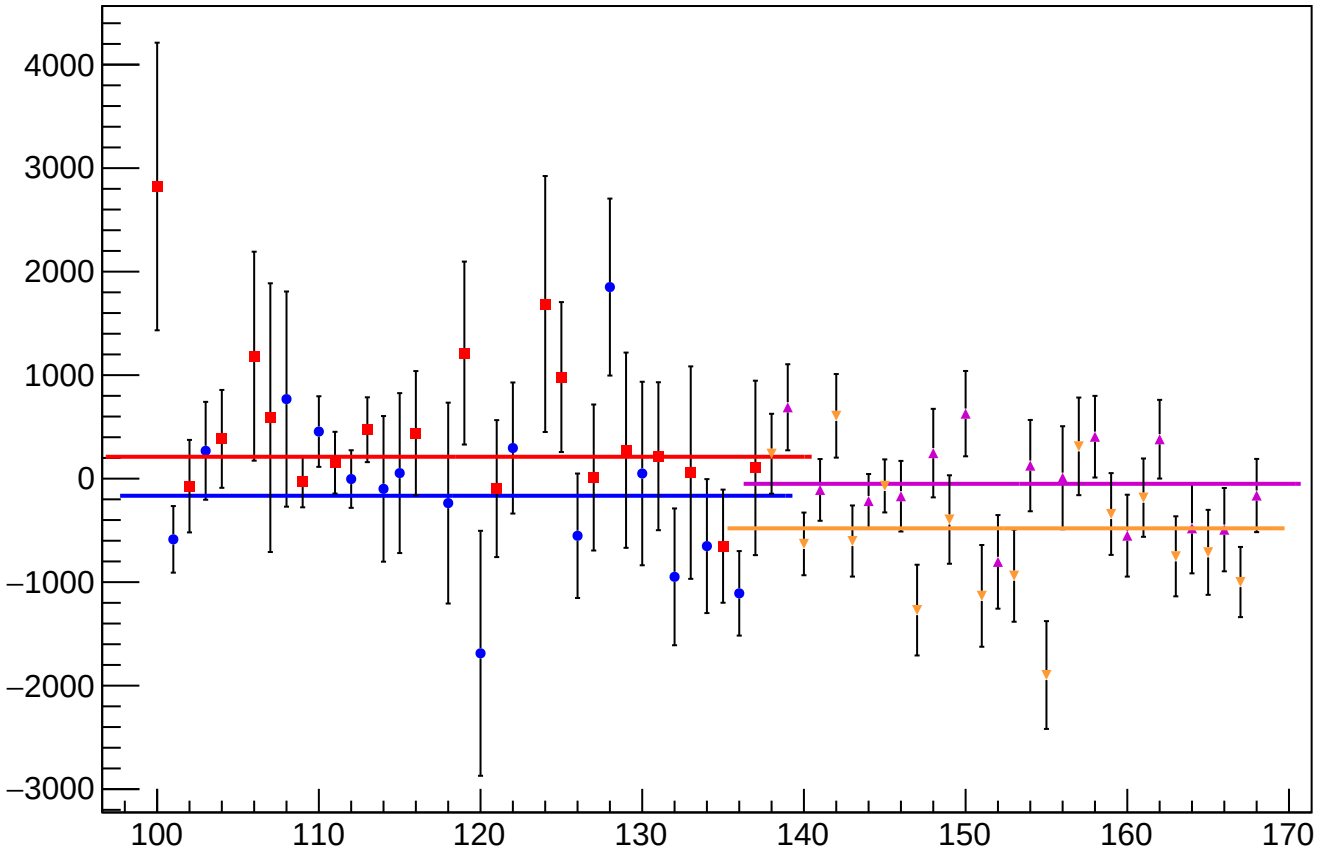
Left: 70.583+/-0.010 χ^2/NDF: 187867.5/30

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.814+/-0.012 χ^2/NDF:774960.2/30

Out: 70.877+/-0.011 χ^2/NDF:1044103.8/34

All: 71.336+/-0.008 χ^2/NDF: 1822390.4/65



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -480.103+/-95.256 χ^2/NDF:33.9/15

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -49.982+/-97.621 χ^2/NDF:16.4/14

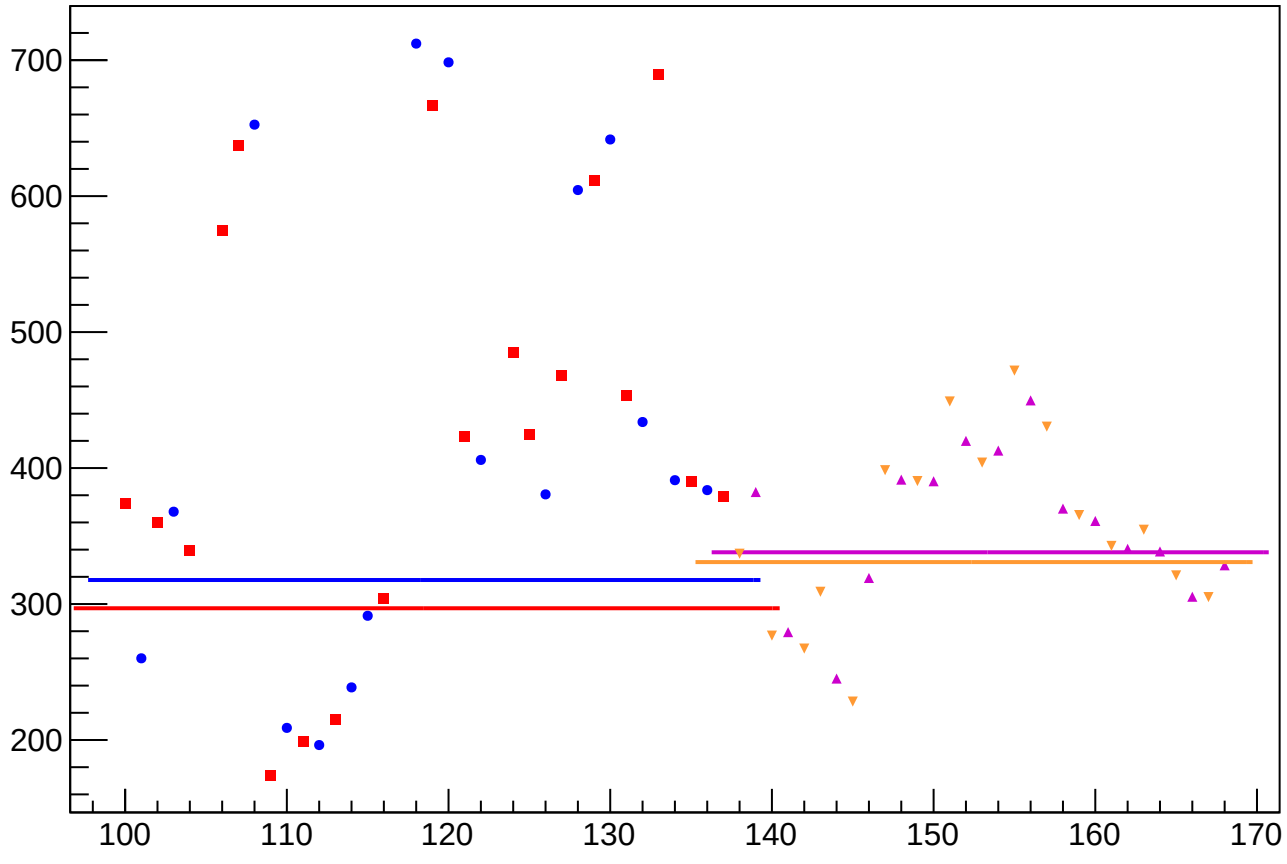
Left: -270.315+/-68.177 χ^2/NDF: 60.2/30

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -92.280+/-77.720 χ^2/NDF:39.5/30

Out: -213.156+/-74.637 χ^2/NDF:67.8/34

All: -155.163+/-53.833 χ^2/NDF: 108.6/65



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 330.849+/-0.067 χ^2/NDF:971391.5/15

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 338.060+/-0.069 χ^2/NDF:682252.0/14

Left: 334.366+/-0.048 χ^2/NDF: 1659234.5/30

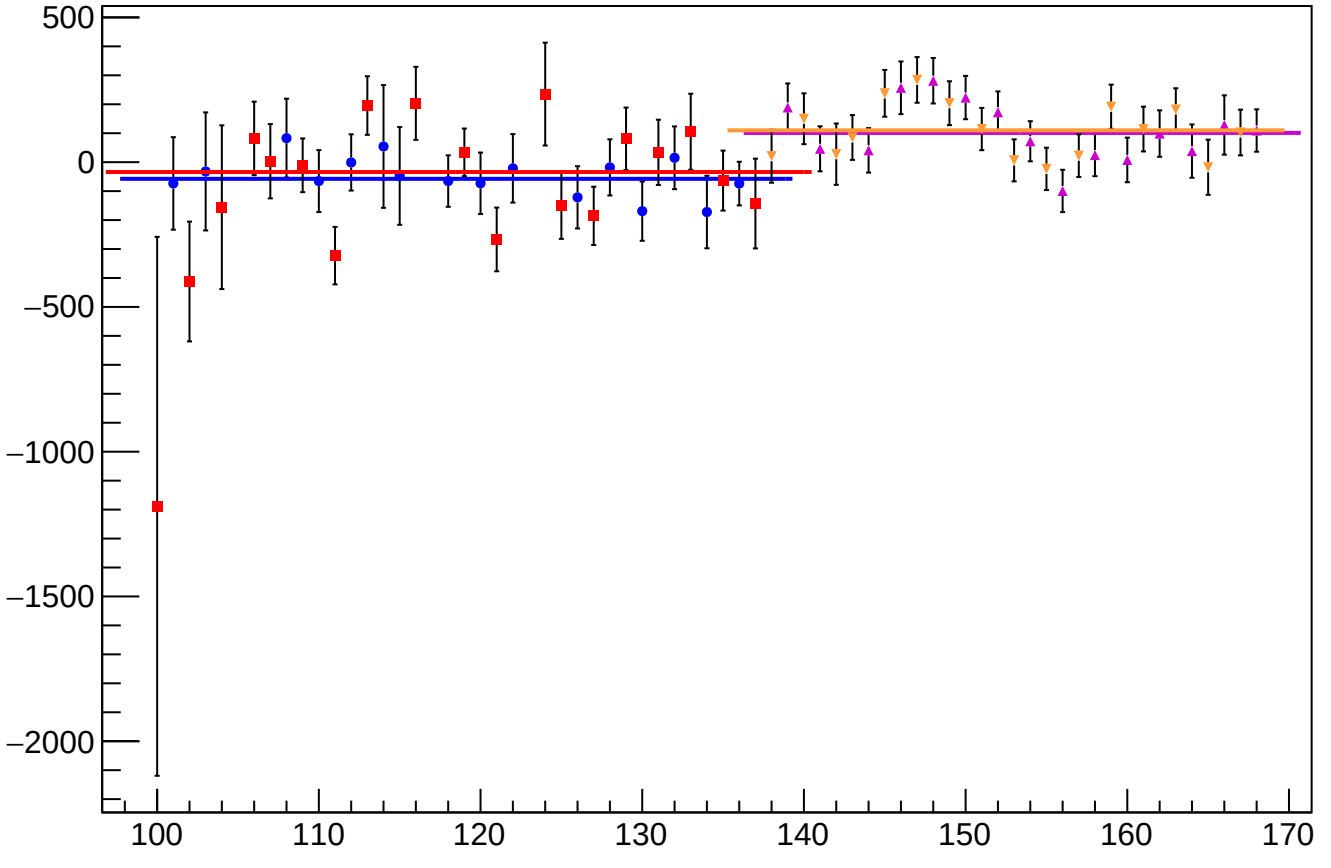
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 330.592+/-0.055 χ^2/NDF:2850413.9/30

Out: 317.738+/-0.053 χ^2/NDF:3610575.0/34

All: 323.905+/-0.038 χ^2/NDF: 6489450.1/65

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.966+/-19.850 χ^2/NDF:21.5/15

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 101.080+/-20.235 χ^2/NDF:24.9/14

Left: 105.608+/-14.170 χ^2/NDF: 46.5/30

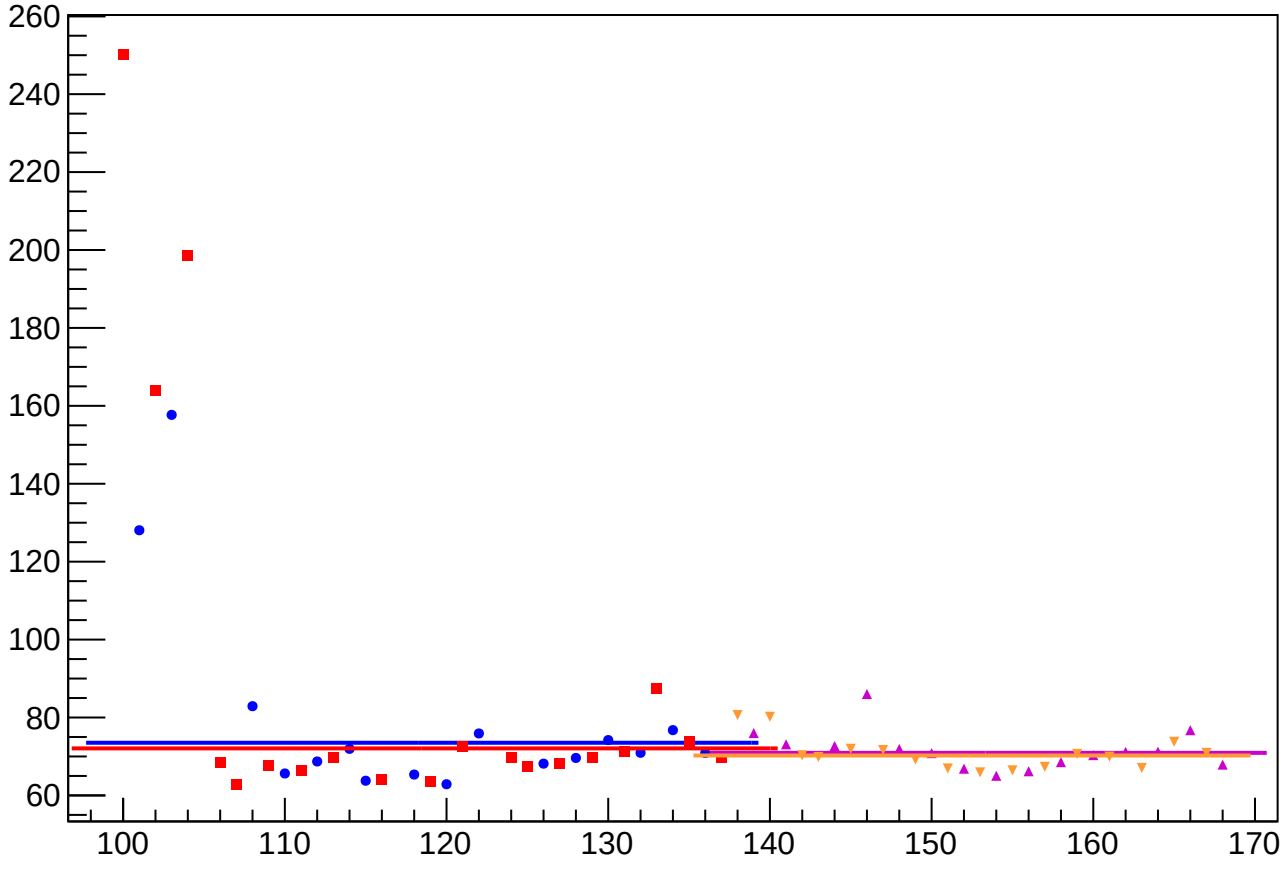
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 46.883+/-16.418 χ^2/NDF:50.8/30

Out: 60.397+/-16.075 χ^2/NDF:76.7/34

All: 53.783+/-11.486 χ^2/NDF: 127.8/65

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.249+/-0.014 χ^2/NDF:79791.1/15

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.930+/-0.014 χ^2/NDF:106923.1/14

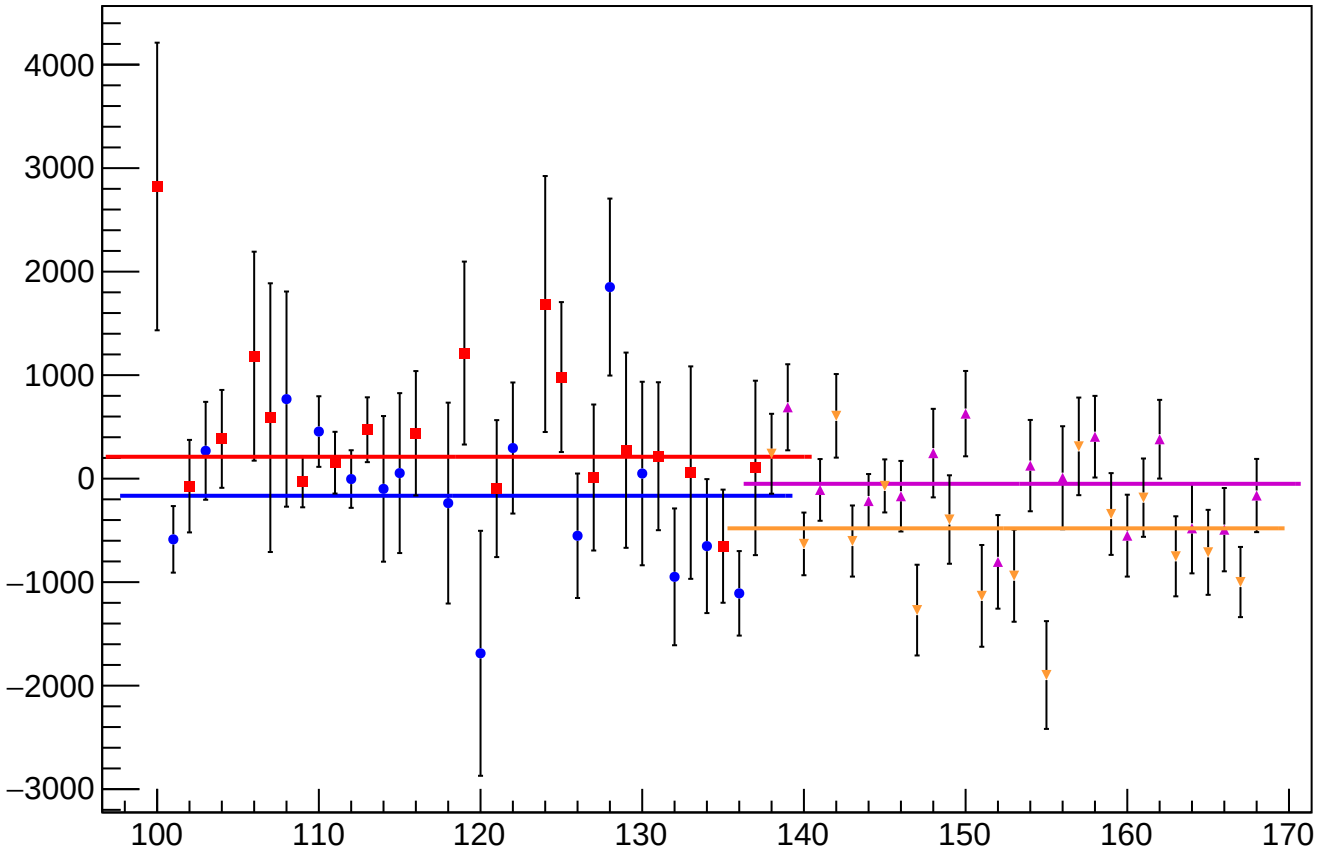
Left: 70.583+/-0.010 χ^2/NDF: 187866.8/30

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.814+/-0.012 χ^2/NDF:774960.4/30

Out: 70.877+/-0.011 χ^2/NDF:1044103.8/34

All: 71.336+/-0.008 χ^2/NDF: 1822390.6/65



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -480.103+/-95.256 χ^2/NDF:33.9/15

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -49.982+/-97.621 χ^2/NDF:16.4/14

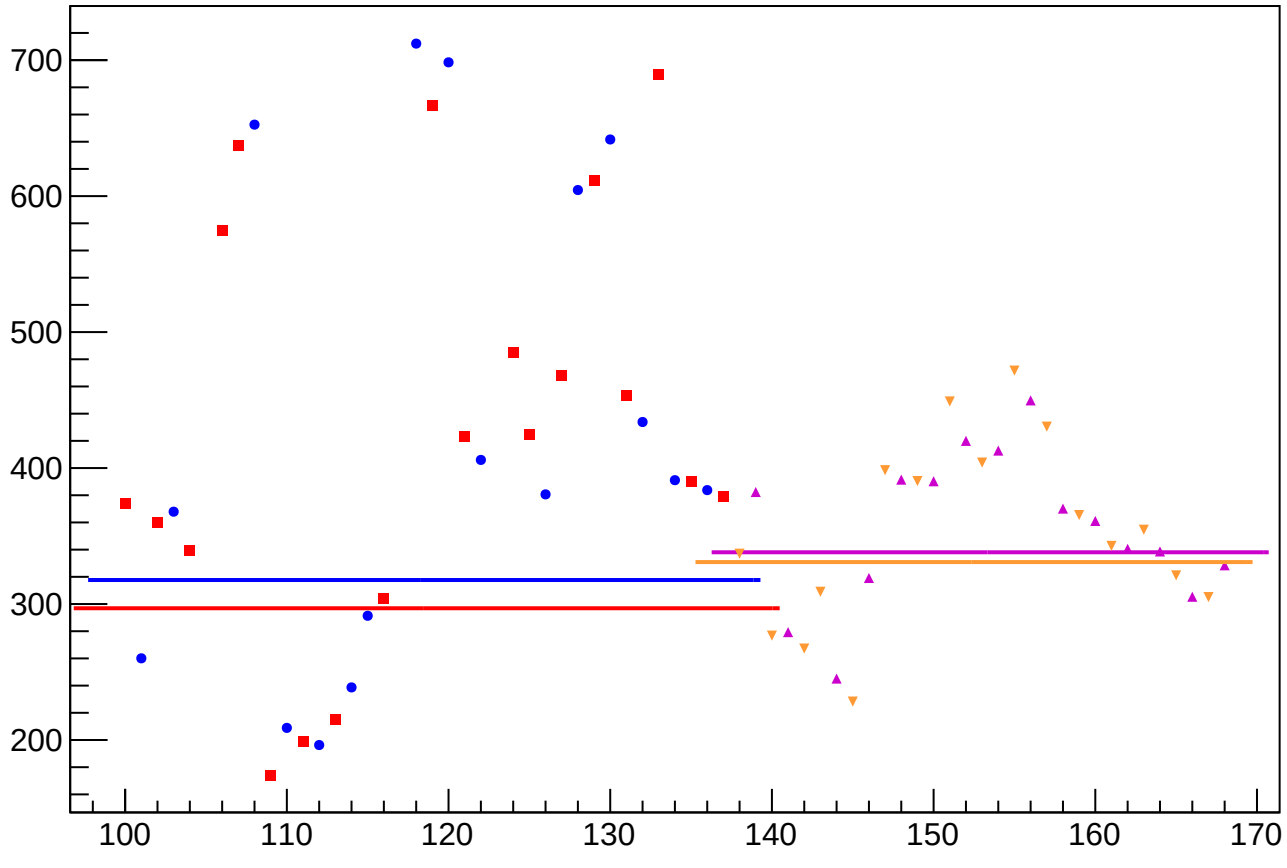
Left: -270.315+/-68.177 χ^2/NDF: 60.2/30

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -92.281+/-77.719 χ^2/NDF:39.5/30

Out: -213.155+/-74.637 χ^2/NDF:67.8/34

All: -155.163+/-53.833 χ^2/NDF: 108.6/65



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 330.848+/-0.067 χ^2/NDF:971401.4/15

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 338.060+/-0.069 χ^2/NDF:682257.0/14

Left: 334.366+/-0.048 χ^2/NDF: 1659249.9/30

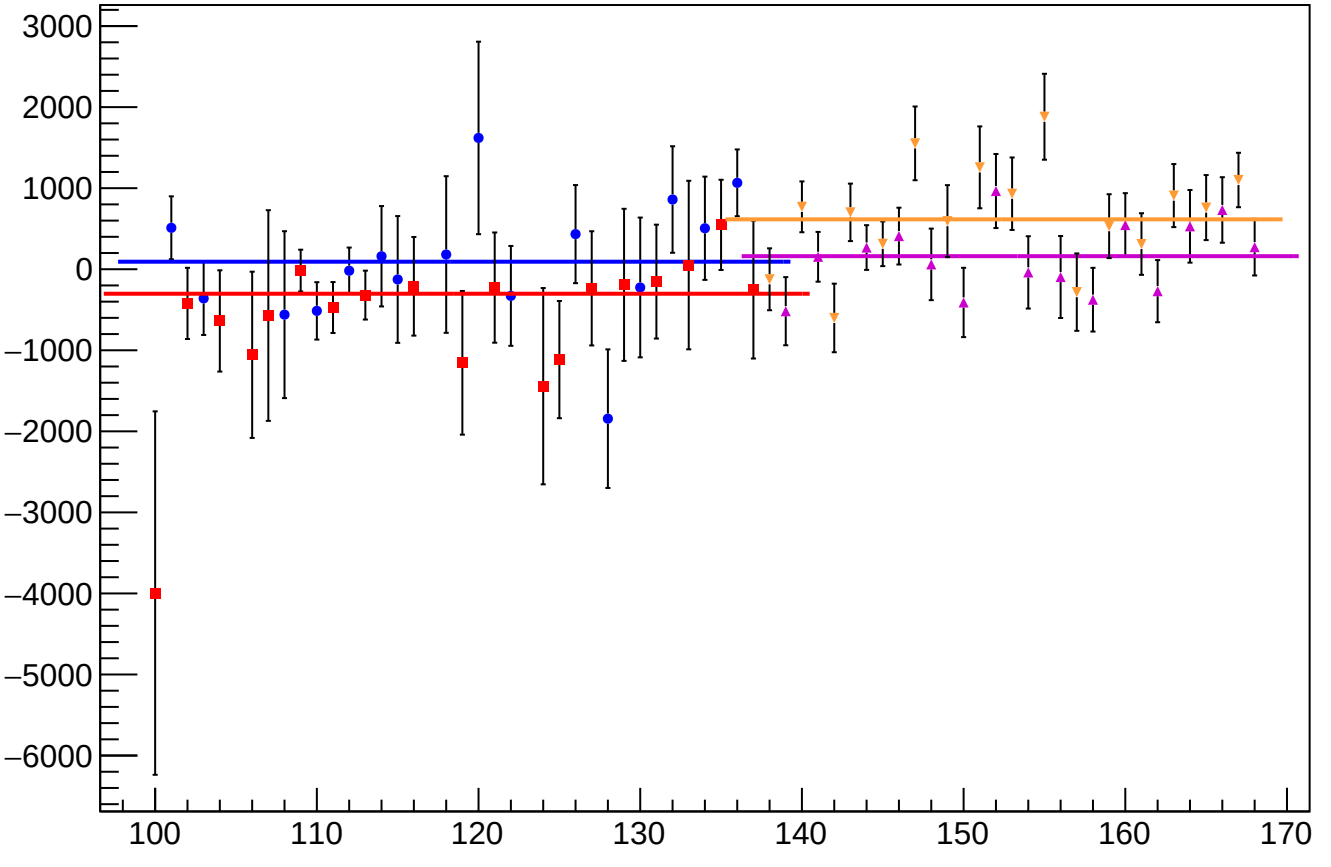
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 330.591+/-0.055 χ^2/NDF:2850458.3/30

Out: 317.737+/-0.053 χ^2/NDF:3610603.3/34

All: 323.904+/-0.038 χ^2/NDF: 6489522.4/65

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 615.489+/-97.344 χ^2/NDF:32.6/15

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 161.141+/-99.538 χ^2/NDF:15.5/14

Left: 393.378+/-69.595 χ^2/NDF: 58.8/30

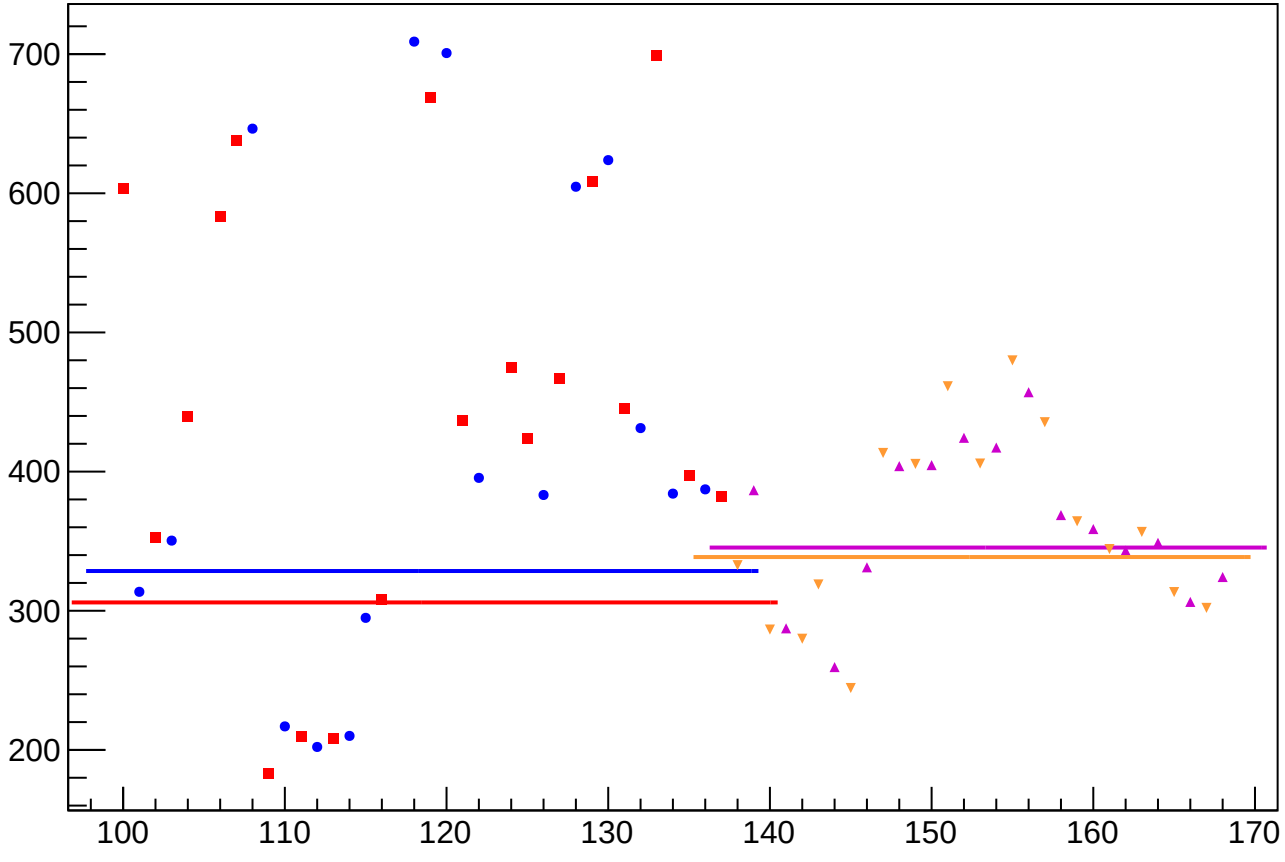
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 136.351+/-79.459 χ^2/NDF:36.5/30

Out: 265.261+/-76.549 χ^2/NDF:77.3/34

All: 203.209+/-55.128 χ^2/NDF: 115.2/65

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 338.604+/-0.069 χ^2/NDF:865346.9/15

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 345.420+/-0.070 χ^2/NDF:605964.3/14

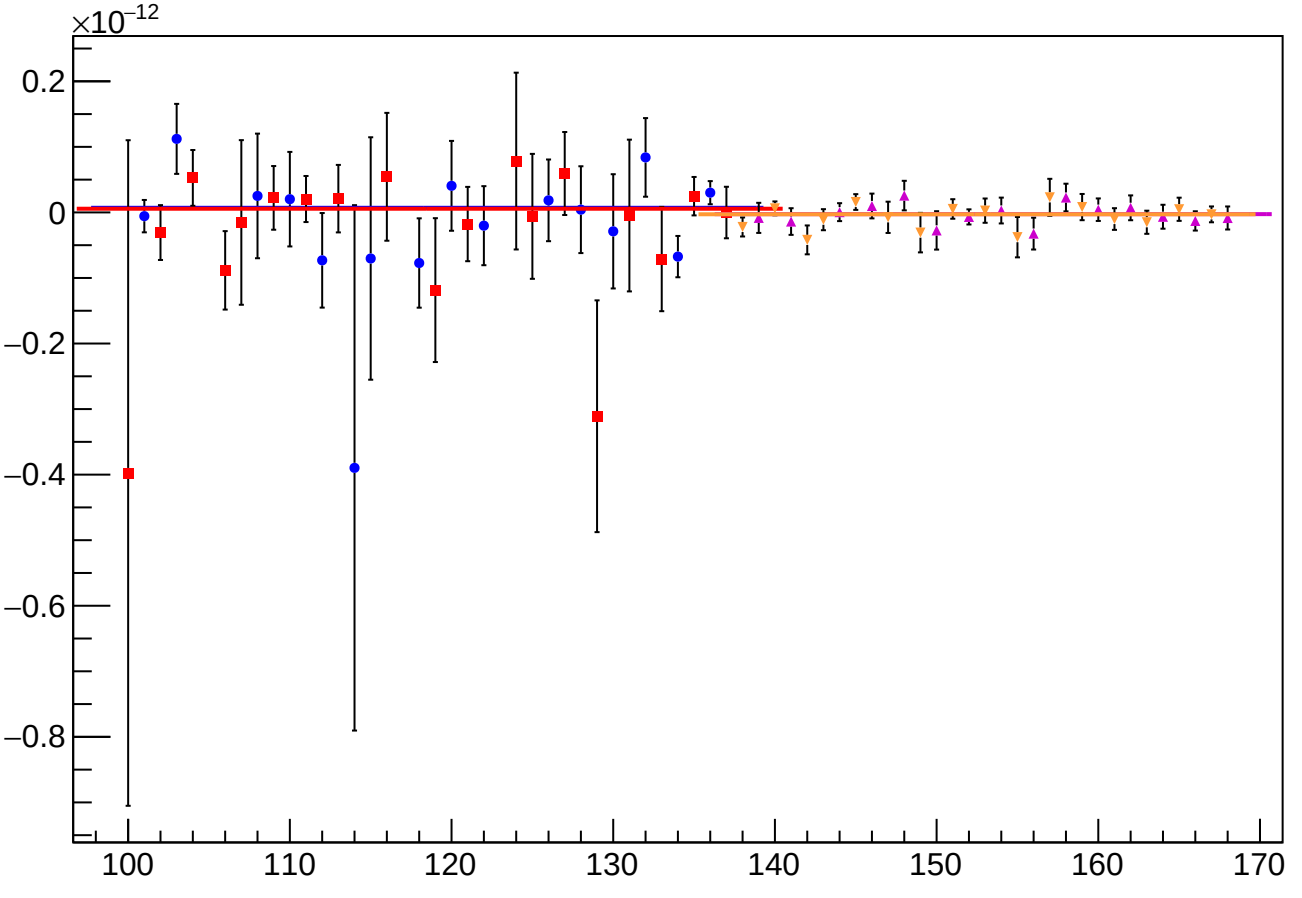
Left: 341.936+/-0.049 χ^2/NDF: 1476104.6/30

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 339.307+/-0.056 χ^2/NDF:2585637.3/30

Out: 326.158+/-0.054 χ^2/NDF:3478494.1/34

All: 332.487+/-0.039 χ^2/NDF: 6092535.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/14

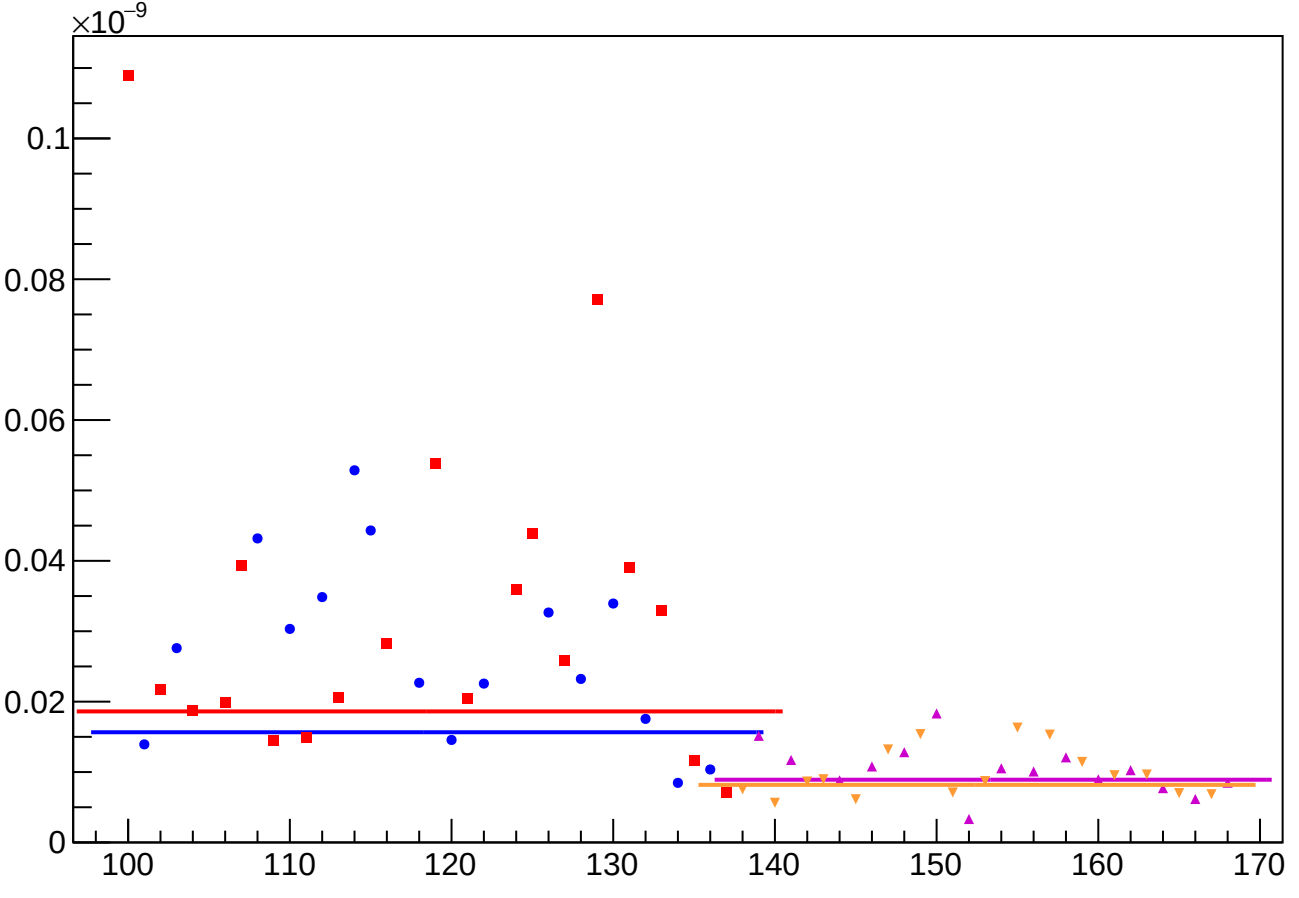
Left: -0.000+/-0.000 χ^2/NDF: 20.3/30

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:25.7/30

Out: -0.000+/-0.000 χ^2/NDF:26.1/34

All: -0.000+/-0.000 χ^2/NDF: 51.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:779403.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1092539.2/14

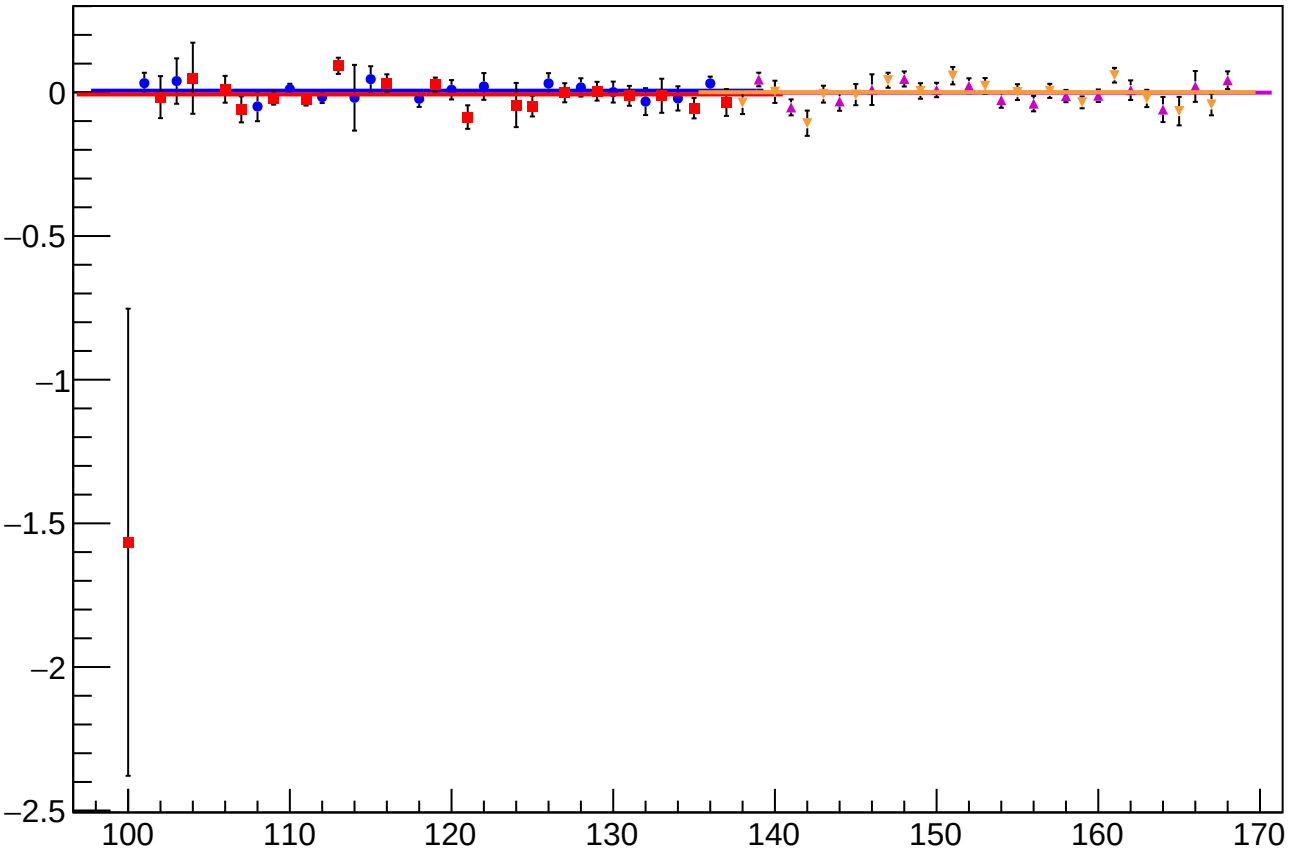
Left: 0.000+/-0.000 χ^2/NDF: 1899526.8/30

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2900282.1/30

Out: 0.000+/-0.000 χ^2/NDF:3205009.3/34

All: 0.000+/-0.000 χ^2/NDF: 6140636.4/65



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.001+/-0.007 χ^2/NDF:19.6/14

Left: -0.000+/-0.005 χ^2/NDF: 45.3/30

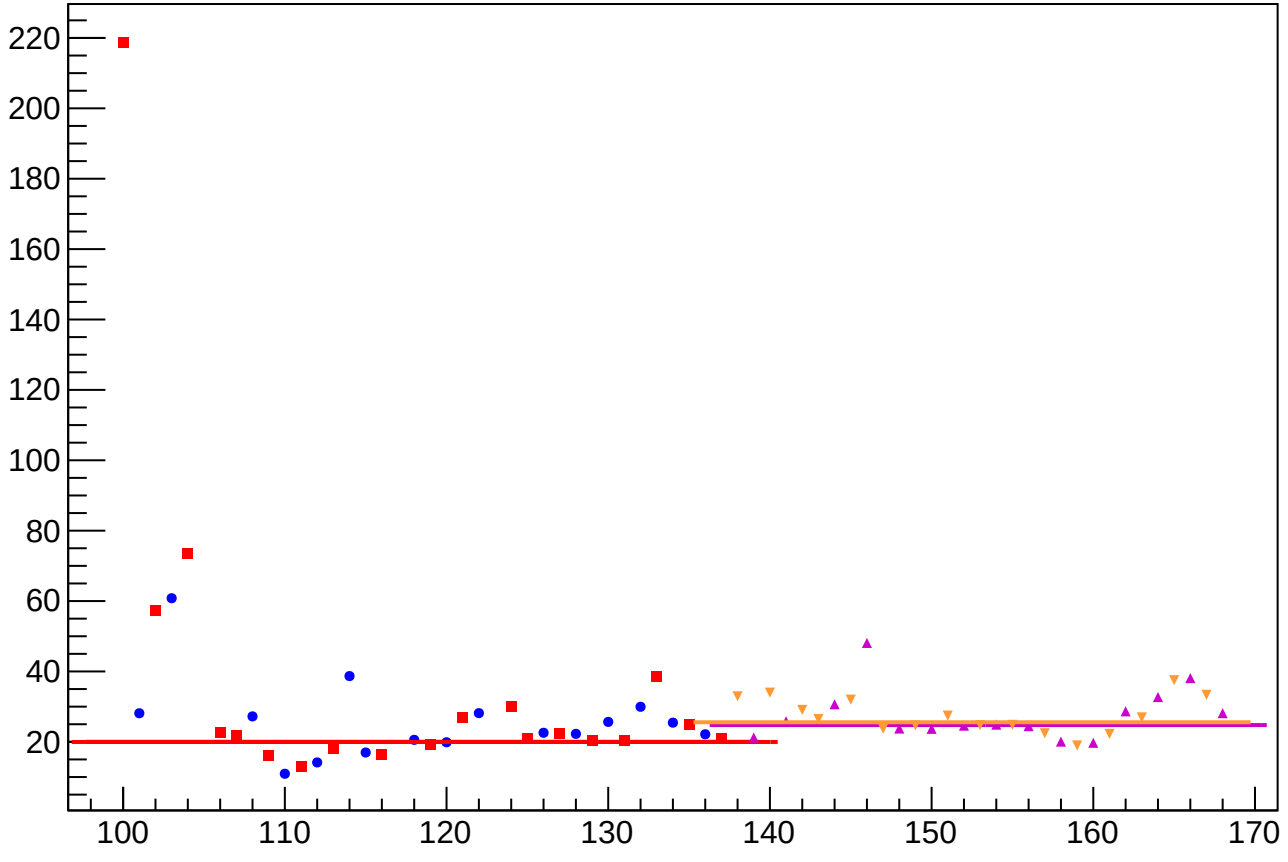
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:27.9/30

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.000+/-0.004 χ^2/NDF: 84.3/65

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.566+/-0.005 χ^2/NDF:737214.9/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.767+/-0.005 χ^2/NDF:945561.2/14

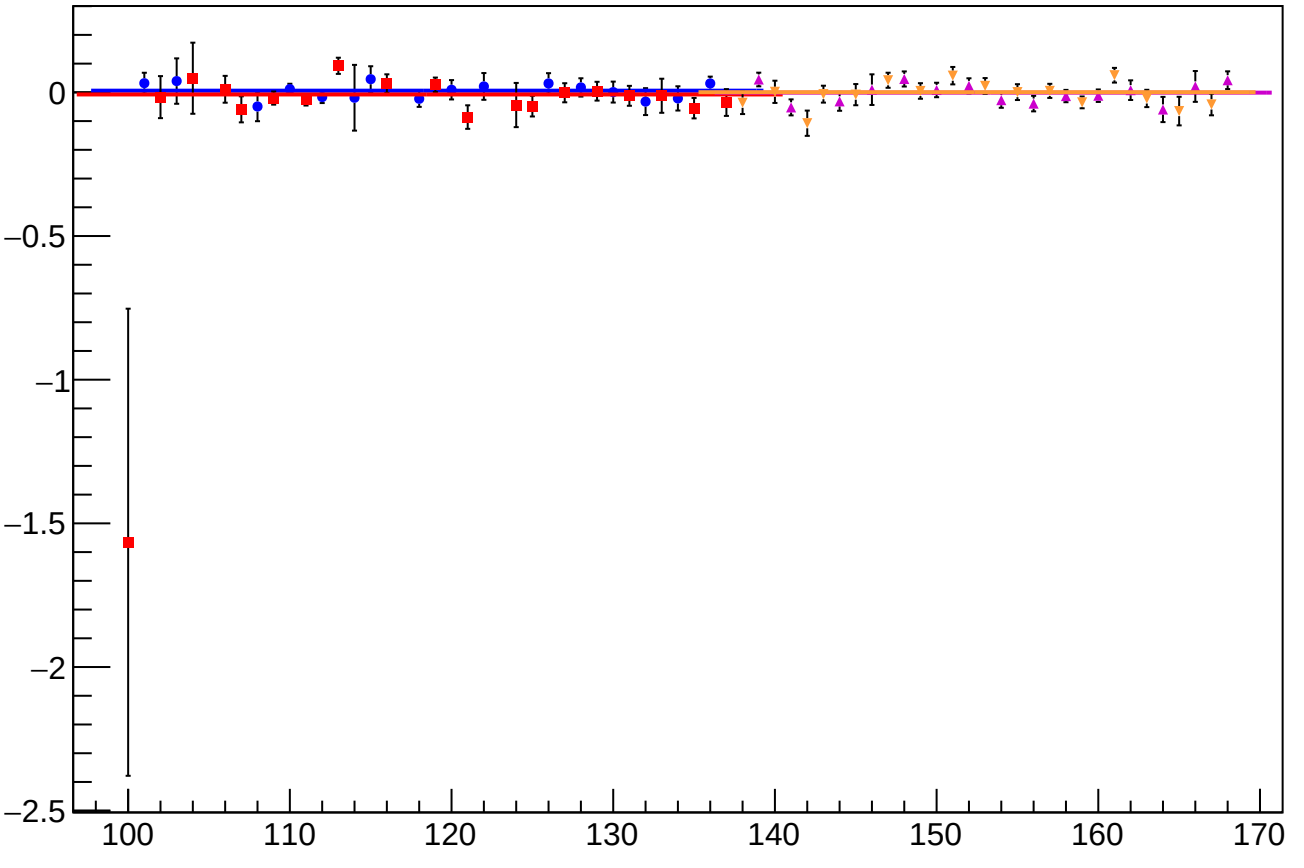
Left: 25.160+/-0.004 χ^2/NDF: 1694469.1/30

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.641+/-0.004 χ^2/NDF:2964336.0/30

Out: 22.997+/-0.004 χ^2/NDF:2973022.2/34

All: 22.818+/-0.003 χ^2/NDF: 5941600.6/65



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.001+/-0.007 χ^2/NDF:19.6/14

Left: -0.000+/-0.005 χ^2/NDF: 45.3/30

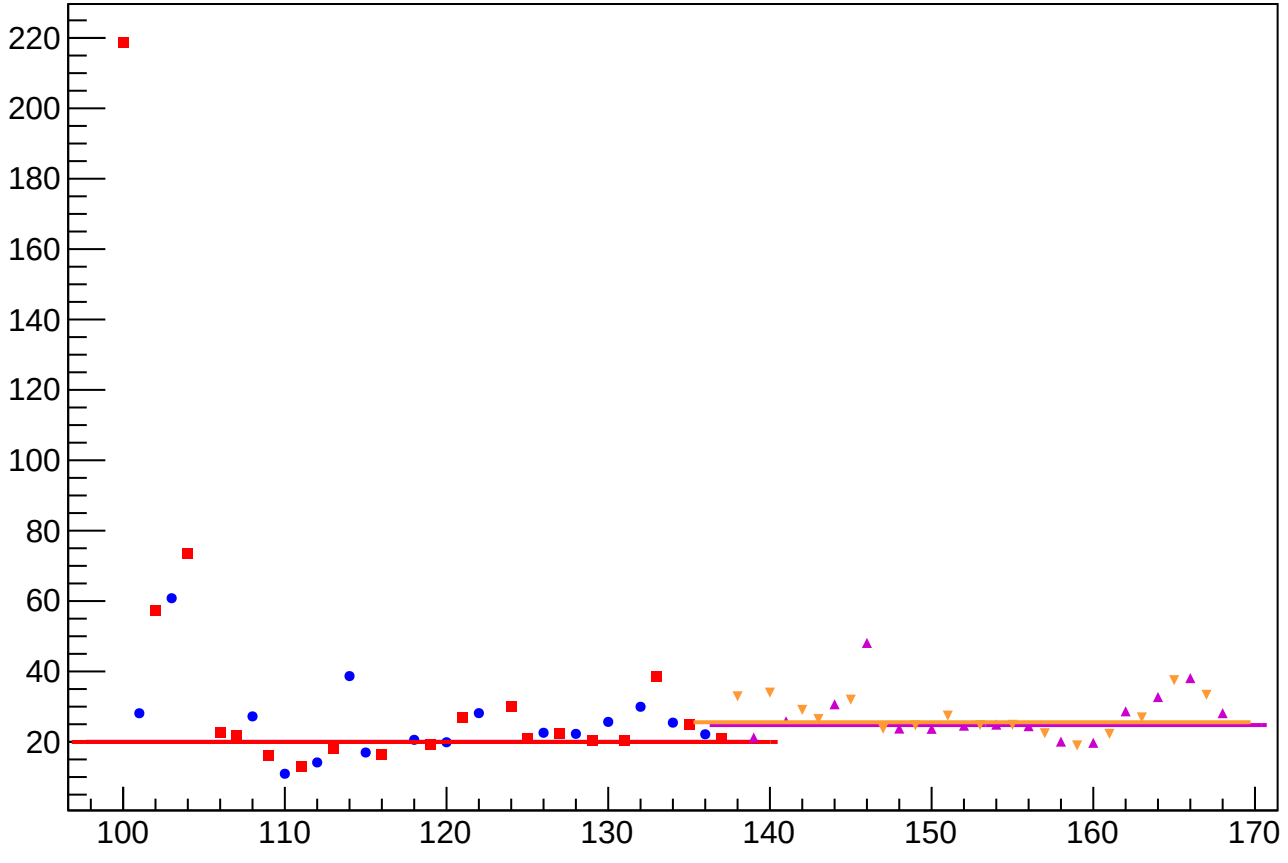
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:27.9/30

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.000+/-0.004 χ^2/NDF: 84.3/65

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: 25.566+/-0.005 χ^2/NDF:737214.9/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.767+/-0.005 χ^2/NDF:945561.2/14

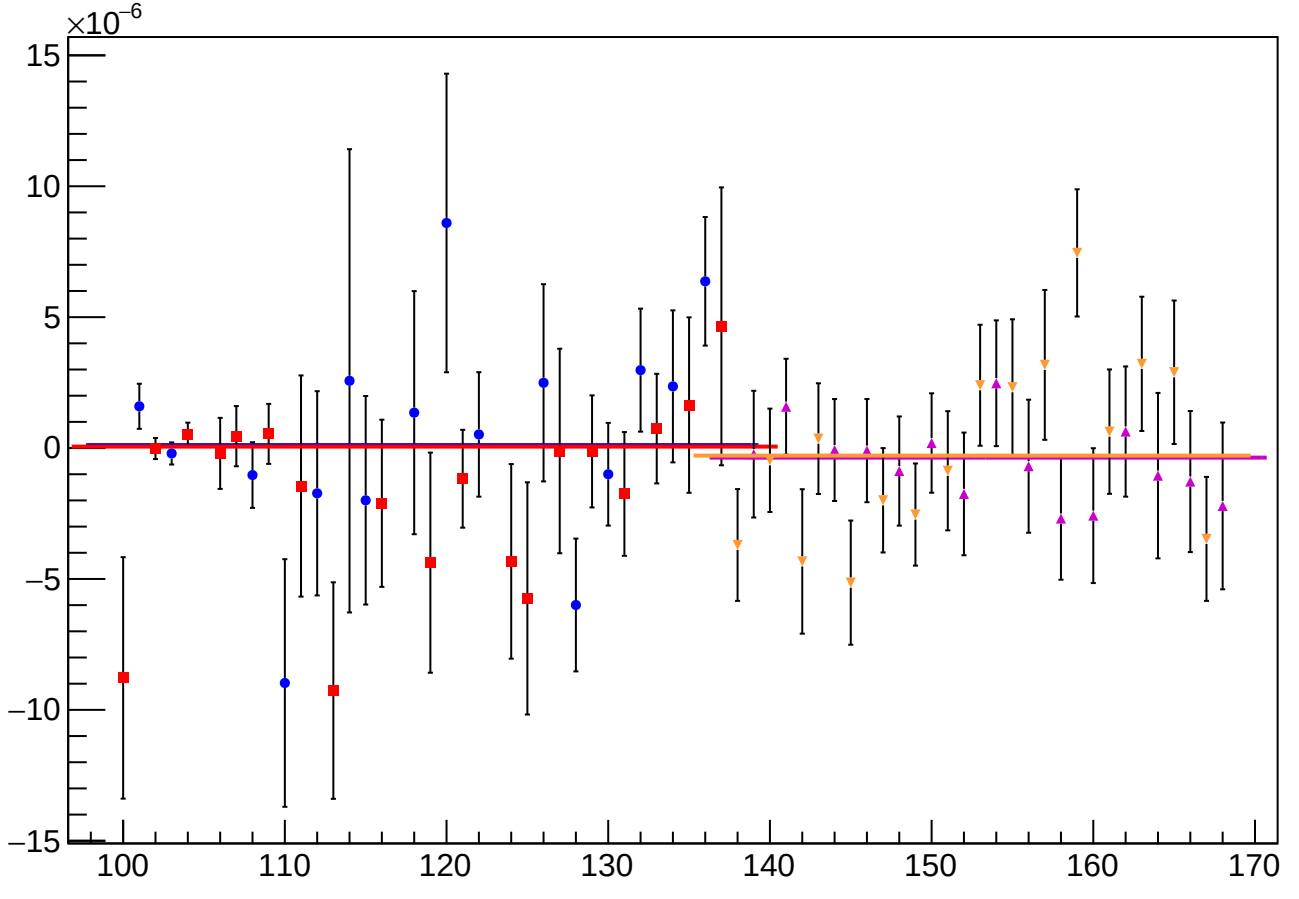
Left: 25.160+/-0.004 χ^2/NDF: 1694469.1/30

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.641+/-0.004 χ^2/NDF:2964336.0/30

Out: 22.997+/-0.004 χ^2/NDF:2973022.2/34

All: 22.818+/-0.003 χ^2/NDF: 5941600.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/14

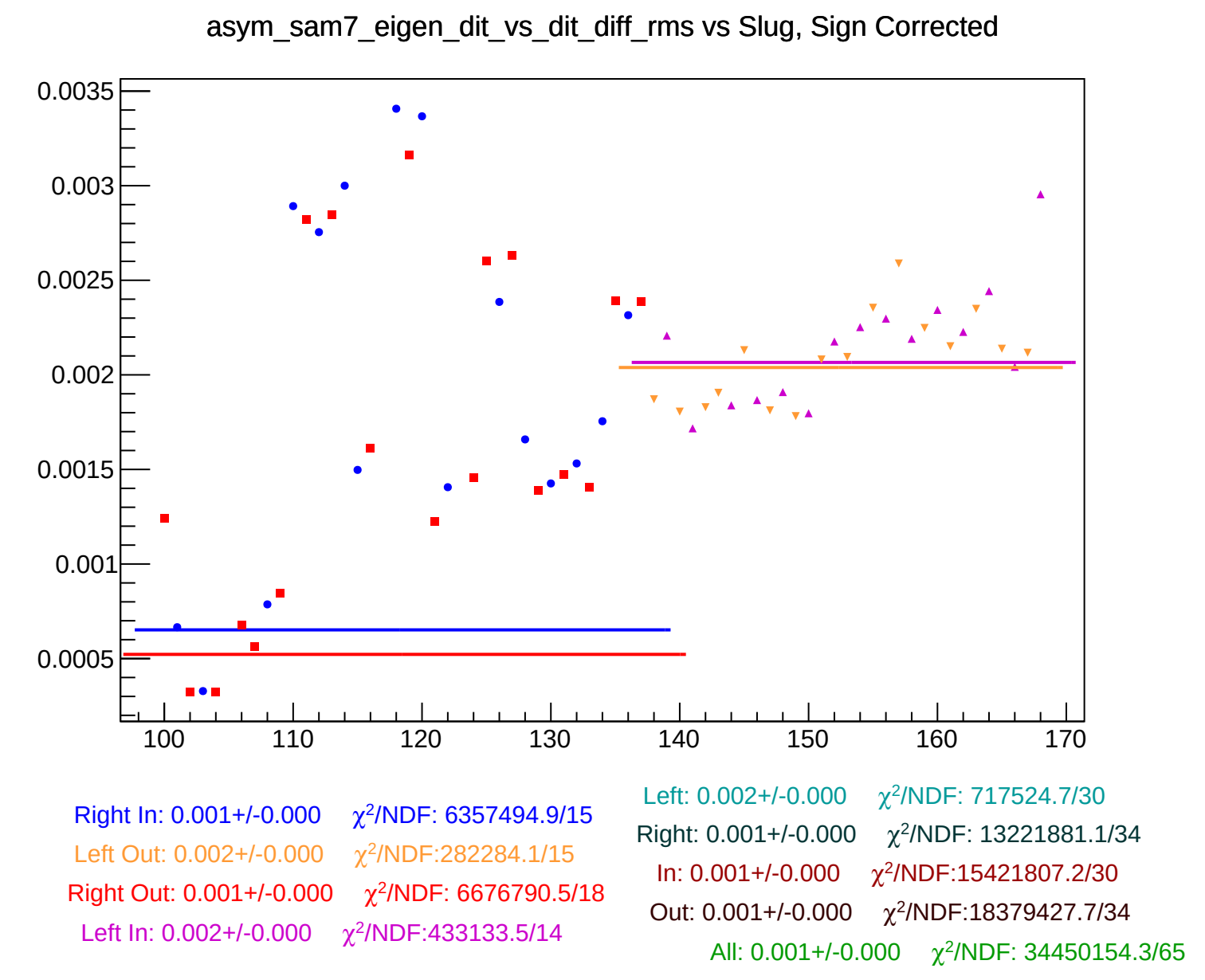
Left: -0.000+/-0.000 χ^2/NDF: 35.8/30

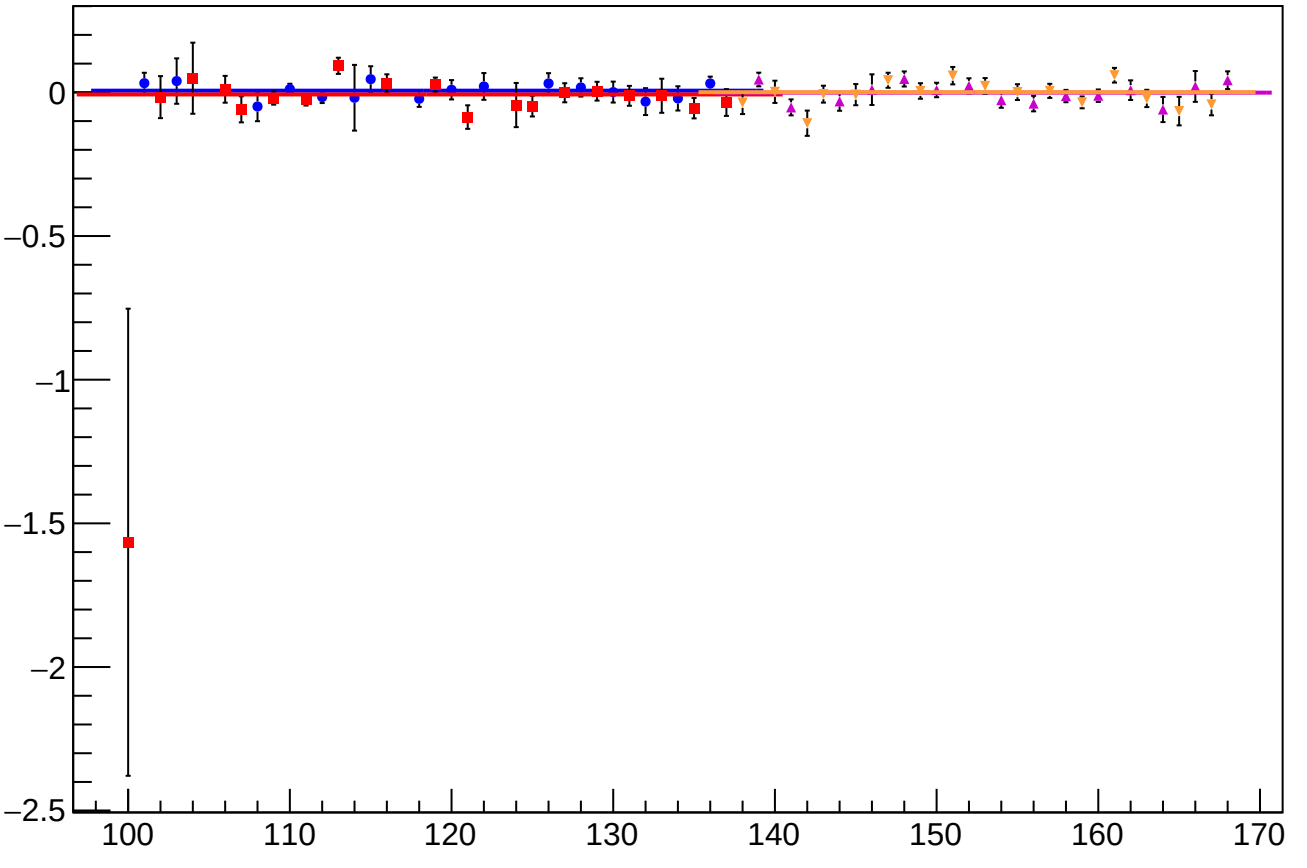
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: -0.000+/-0.000 χ^2/NDF:32.0/30

Out: -0.000+/-0.000 χ^2/NDF:47.7/34

All: -0.000+/-0.000 χ^2/NDF: 79.7/65


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:282284.1/15
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:433133.5/14
Left: 0.002+/-0.000 χ²/NDF: 717524.7/30
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:15421807.2/30
Out: 0.001+/-0.000 χ²/NDF:18379427.7/34
All: 0.001+/-0.000 χ²/NDF: 34450154.3/65



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.001+/-0.007 χ^2/NDF:19.6/14

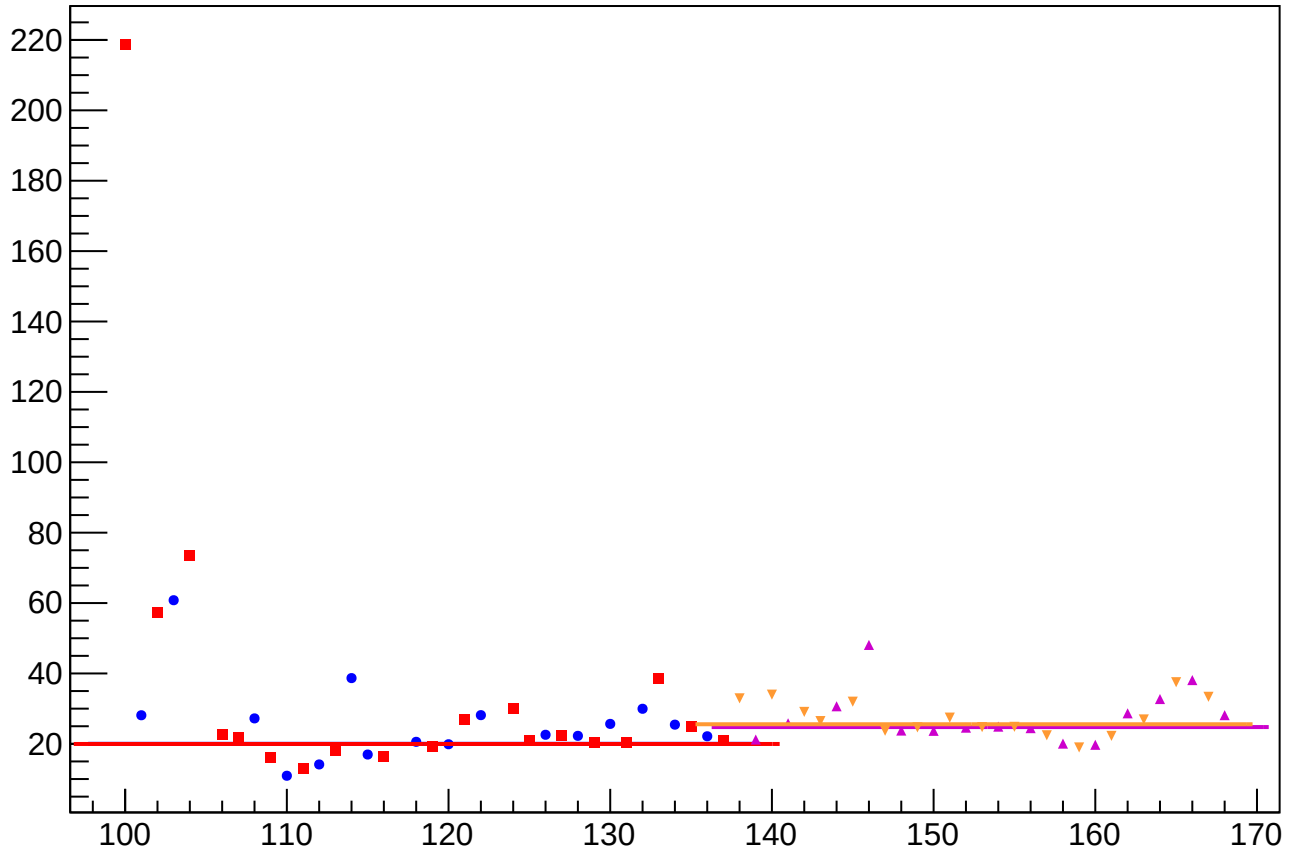
Left: -0.000+/-0.005 χ^2/NDF: 45.3/30

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:27.9/30

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.000+/-0.004 χ^2/NDF: 84.3/65



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.565+/-0.005 χ^2/NDF:737259.0/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.767+/-0.005 χ^2/NDF:945612.8/14

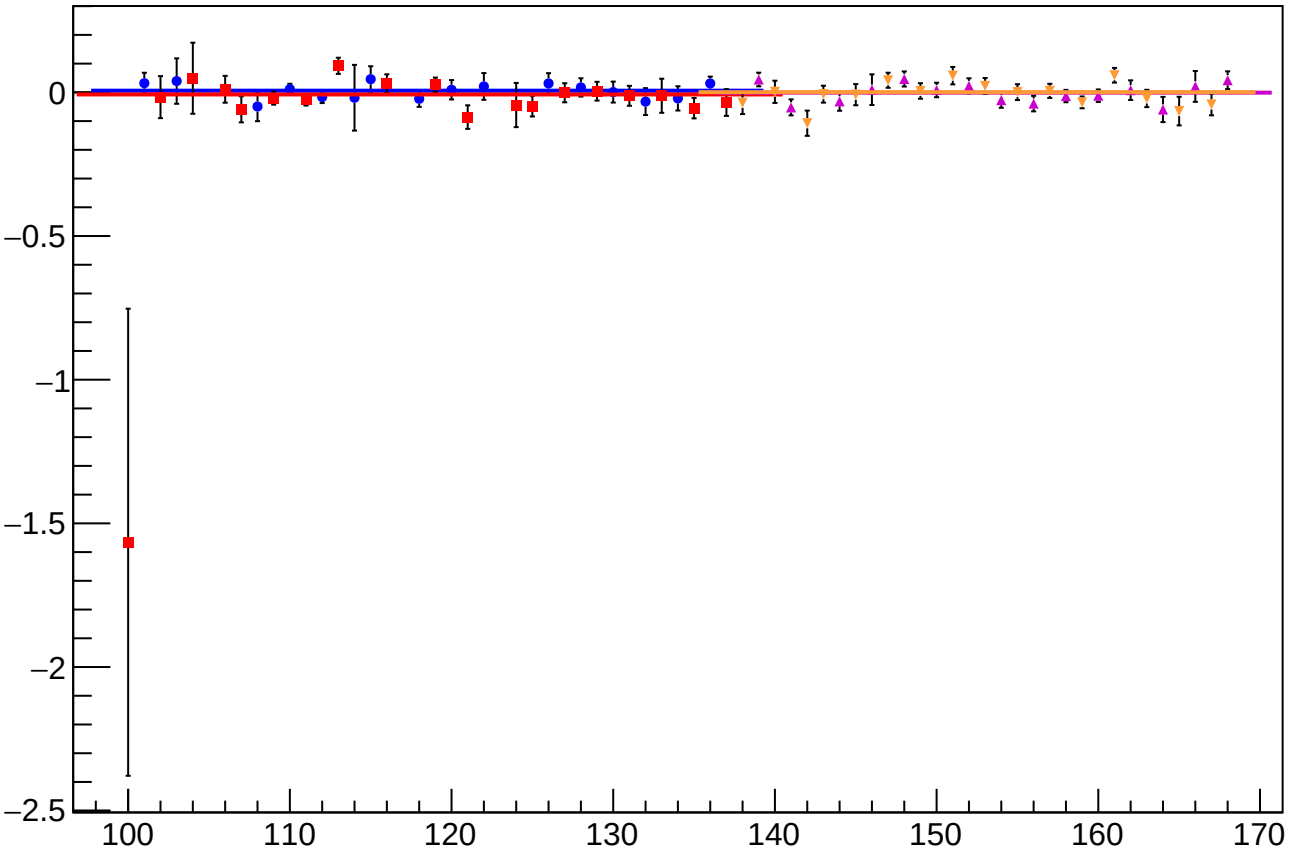
Left: 25.160+/-0.004 χ^2/NDF: 1694565.2/30

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.641+/-0.004 χ^2/NDF:2964123.5/30

Out: 22.997+/-0.004 χ^2/NDF:2972967.8/34

All: 22.819+/-0.003 χ^2/NDF: 5941329.6/65



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:25.6/15

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.001+/-0.007 χ^2/NDF:19.6/14

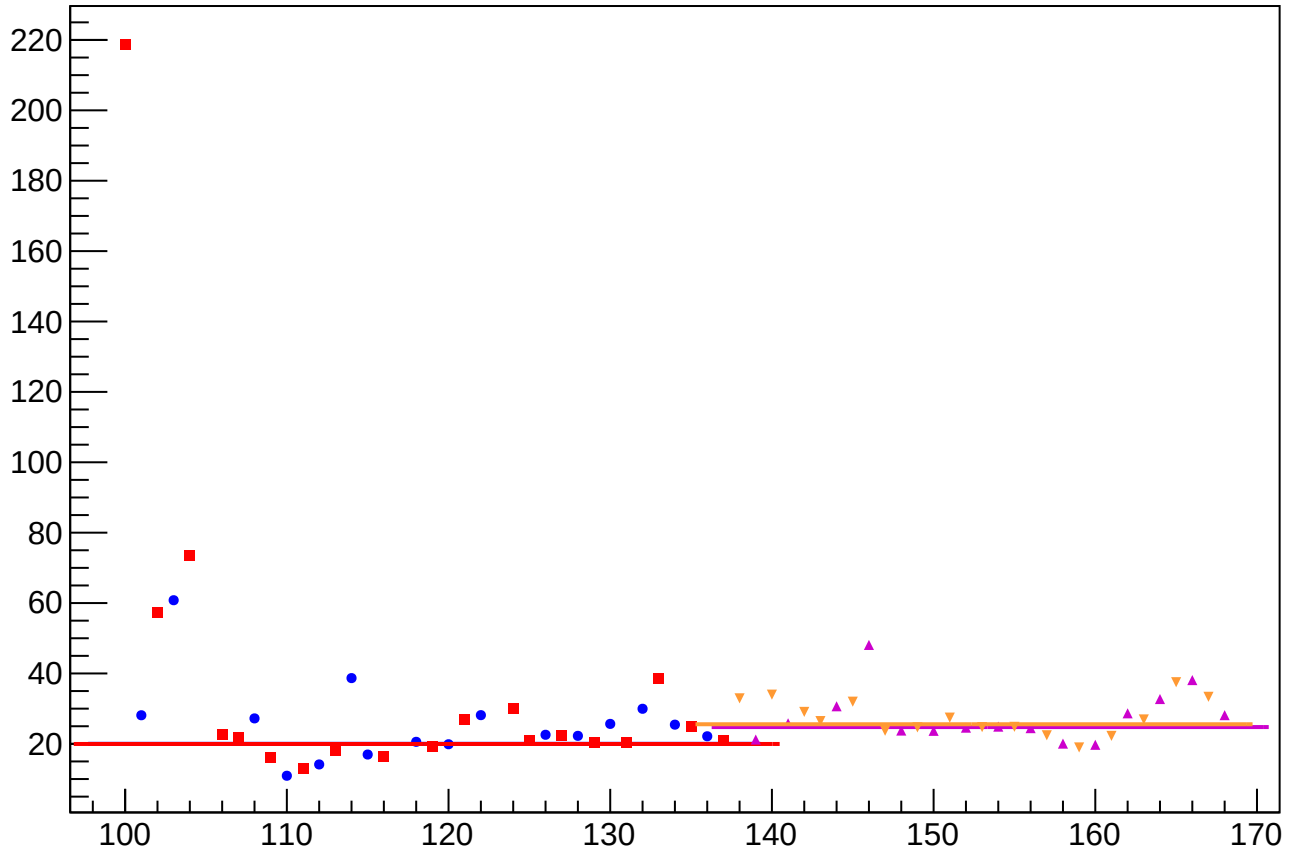
Left: -0.000+/-0.005 χ^2/NDF: 45.3/30

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:27.9/30

Out: -0.003+/-0.005 χ^2/NDF:56.0/34

All: -0.000+/-0.004 χ^2/NDF: 84.3/65



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.565+/-0.005 χ^2/NDF:737259.0/15

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.767+/-0.005 χ^2/NDF:945612.8/14

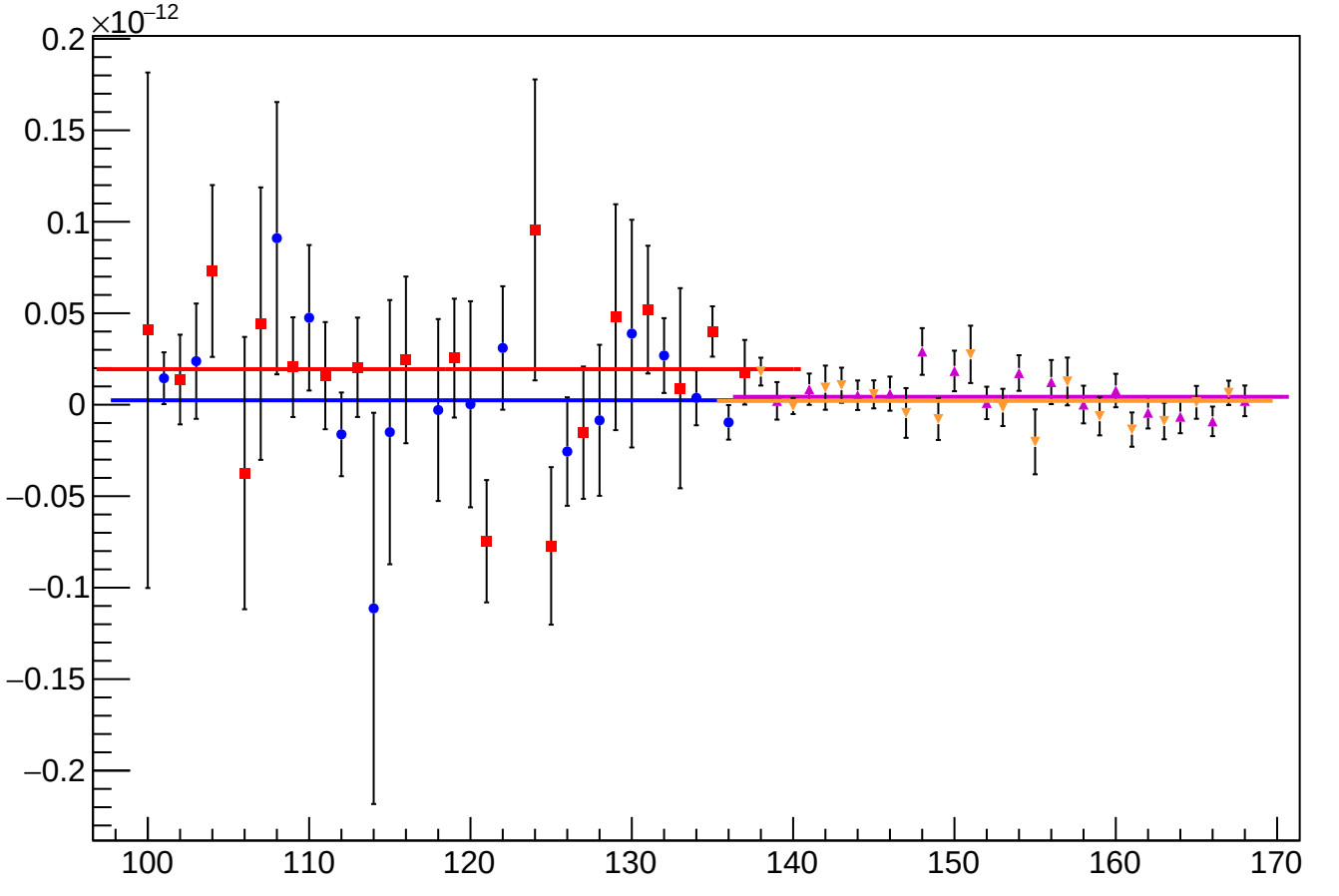
Left: 25.160+/-0.004 χ^2/NDF: 1694565.2/30

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.641+/-0.004 χ^2/NDF:2964123.5/30

Out: 22.997+/-0.004 χ^2/NDF:2972967.8/34

All: 22.819+/-0.003 χ^2/NDF: 5941329.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/14

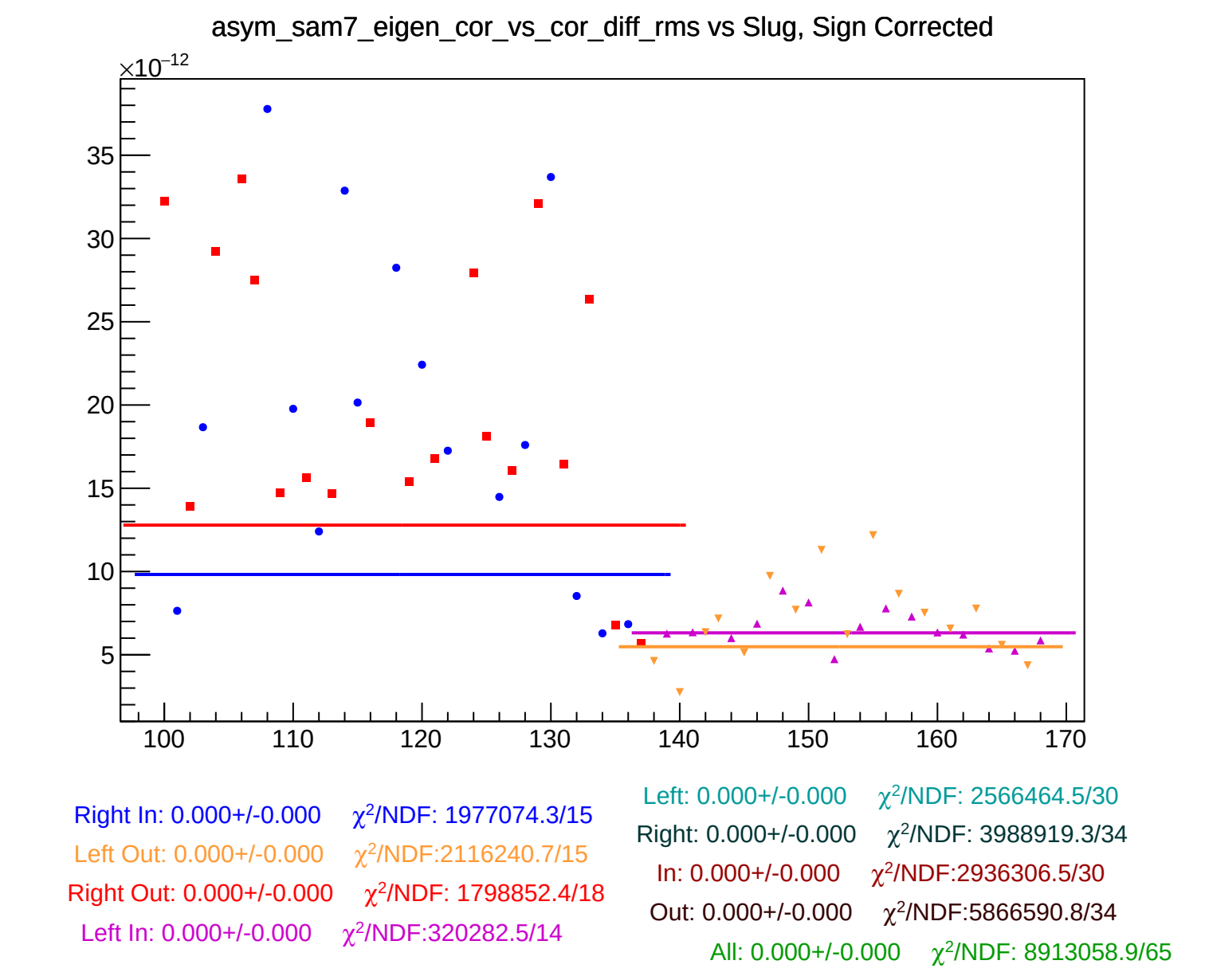
Left: 0.000+/-0.000 χ^2/NDF: 31.5/30

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

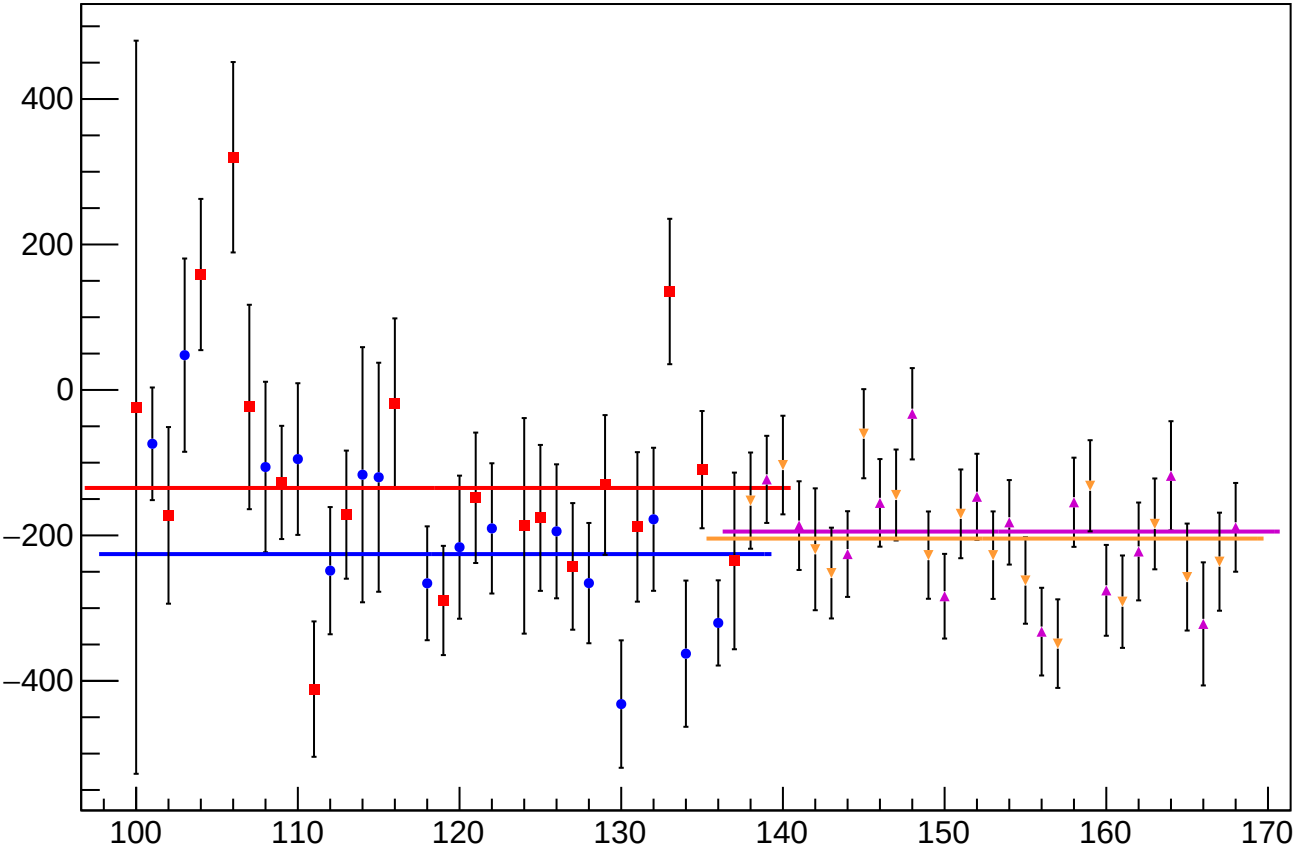
In: 0.000+/-0.000 χ^2/NDF:24.6/30

Out: 0.000+/-0.000 χ^2/NDF:43.1/34

All: 0.000+/-0.000 χ^2/NDF: 67.7/65


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2116240.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:320282.5/14
Left: 0.000+/-0.000 χ²/NDF: 2566464.5/30
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2936306.5/30
Out: 0.000+/-0.000 χ²/NDF:5866590.8/34
All: 0.000+/-0.000 χ²/NDF: 8913058.9/65

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.352+/-15.999 χ^2/NDF:21.1/15

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -194.716+/-16.125 χ^2/NDF:22.6/14

Left: -199.571+/-11.357 χ^2/NDF: 43.9/30

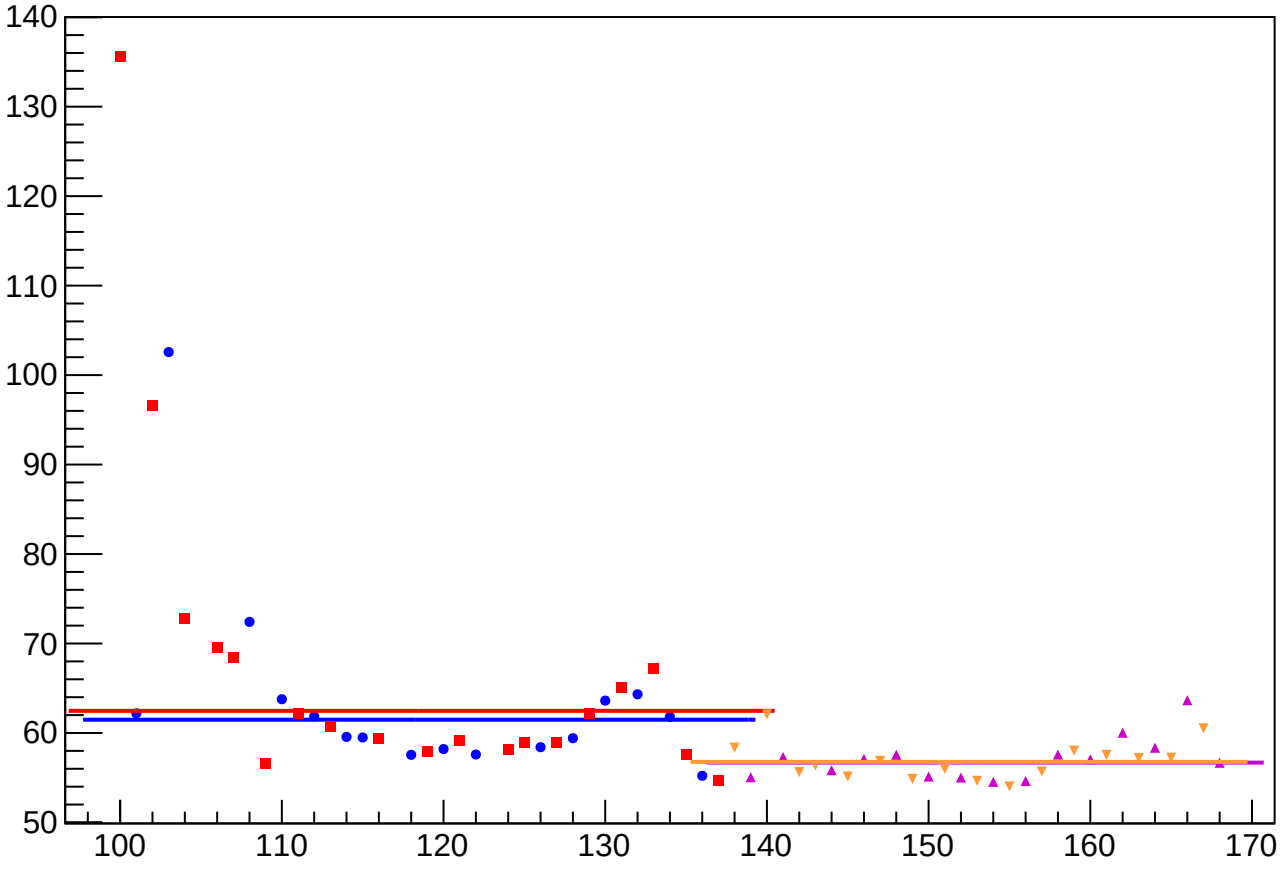
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -204.853+/-13.225 χ^2/NDF:46.4/30

Out: -181.912+/-13.170 χ^2/NDF:72.5/34

All: -193.334+/-9.332 χ^2/NDF: 120.4/65

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

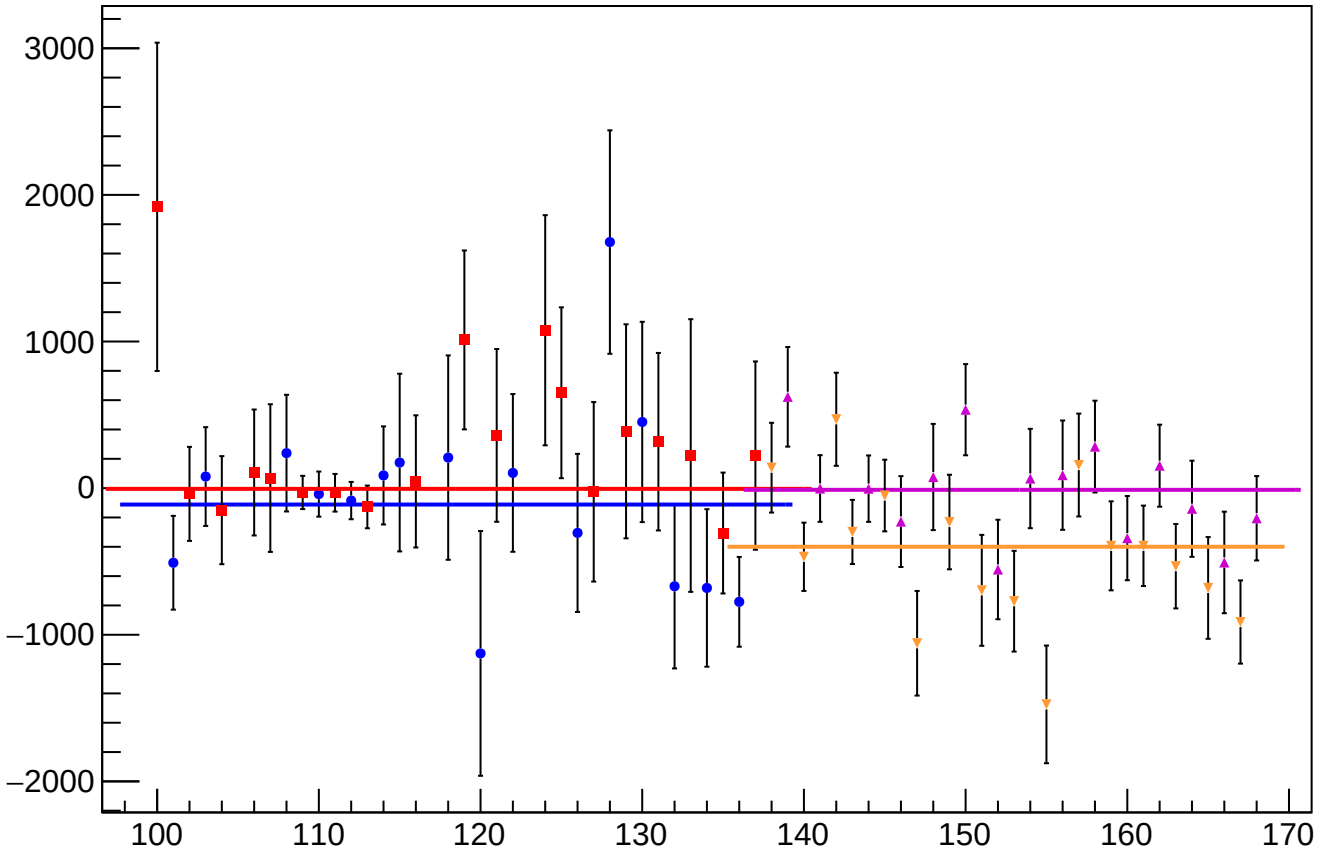
Left: 56.729+/-0.008 χ^2/NDF: 63219.1/30

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.260+/-0.009 χ^2/NDF:339224.4/30

Out: 58.608+/-0.009 χ^2/NDF:395777.7/34

All: 58.435+/-0.007 χ^2/NDF: 735698.0/65



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -399.740+/-74.350 χ^2/NDF:32.3/15

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: -11.486+/-77.782 χ^2/NDF:15.0/14

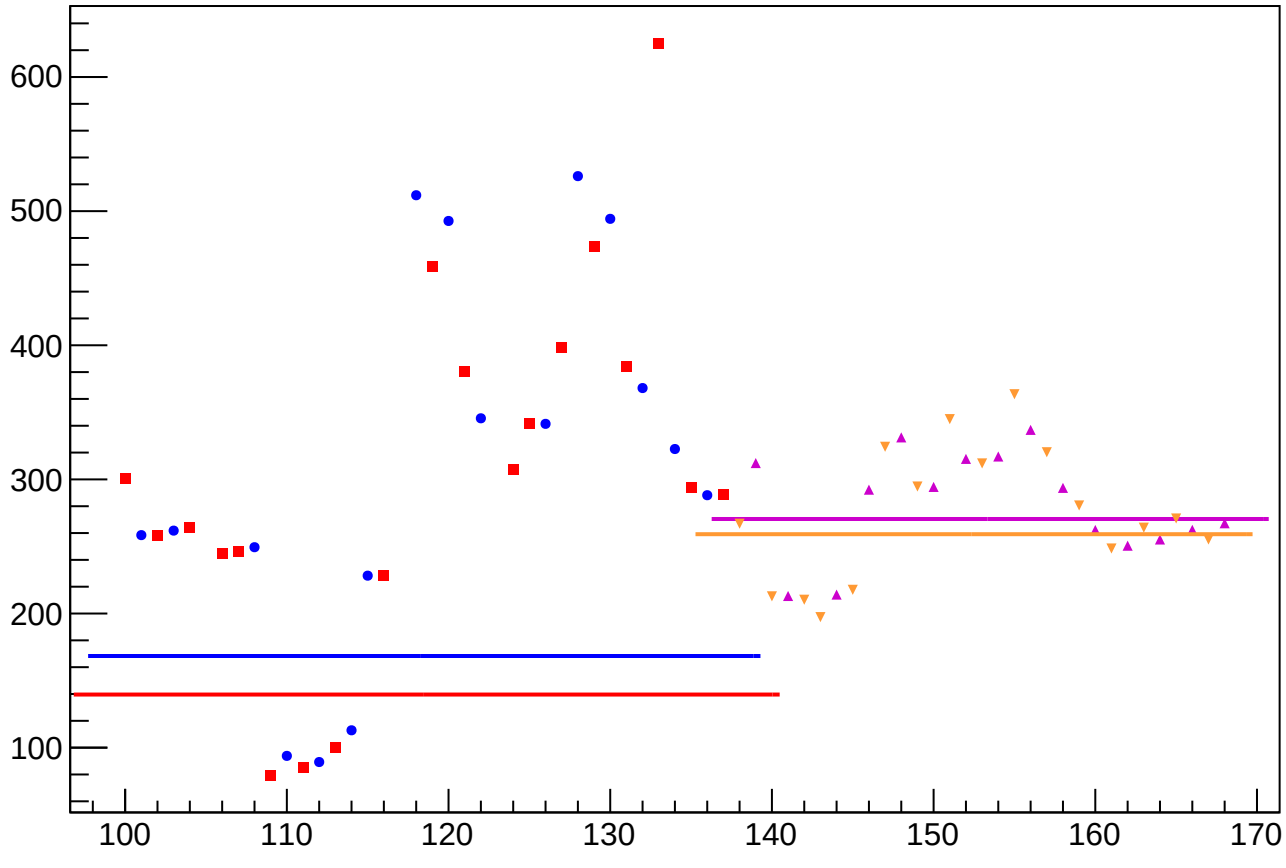
Left: -214.368+/-53.746 χ^2/NDF: 60.3/30

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -62.708+/-54.437 χ^2/NDF:34.3/30

Out: -172.739+/-48.475 χ^2/NDF:60.1/34

All: -124.076+/-36.202 χ^2/NDF: 96.7/65



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798360.9/15

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 270.481+/-0.055 χ^2/NDF:524276.3/14

Left: 264.557+/-0.038 χ^2/NDF: 1344837.0/30

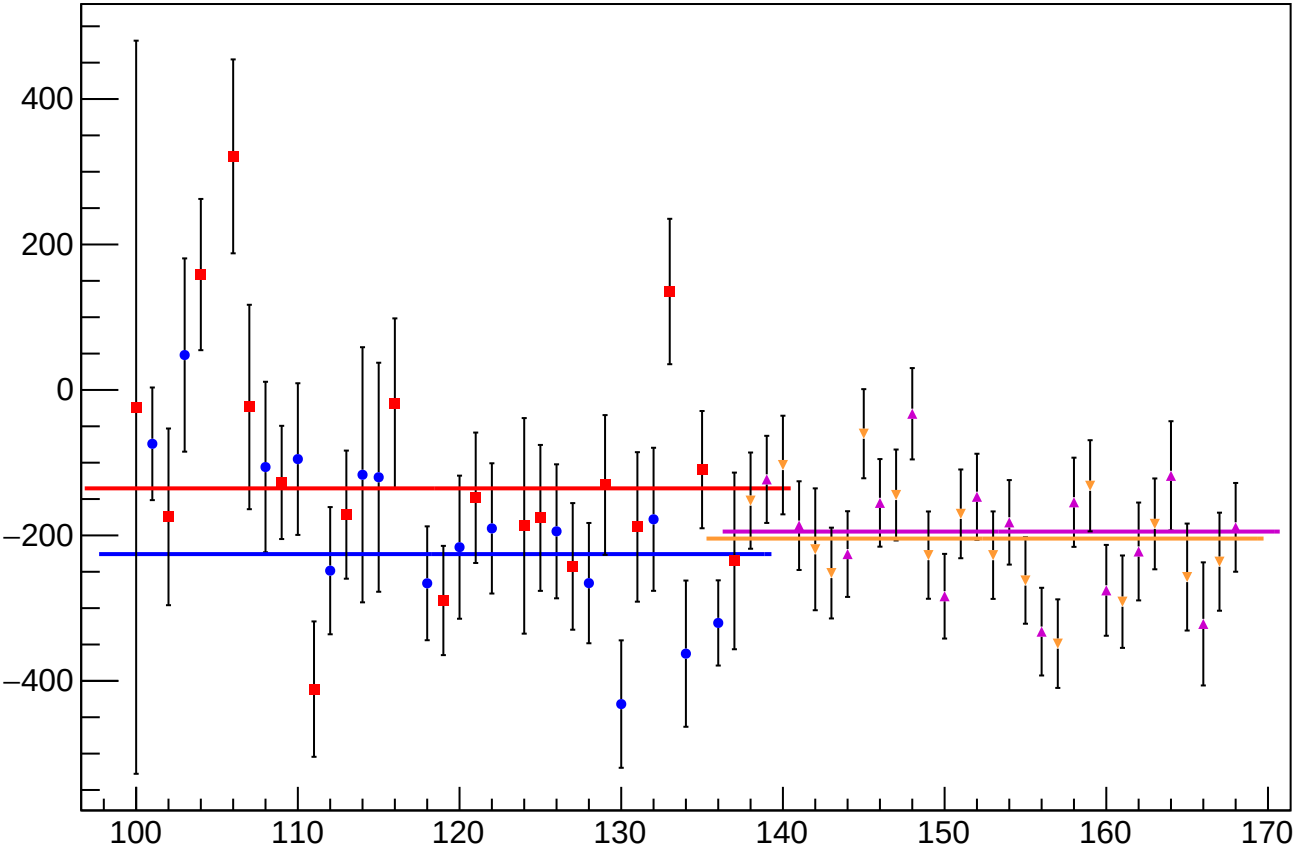
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 218.364+/-0.038 χ^2/NDF:6828236.2/30

Out: 190.414+/-0.034 χ^2/NDF:8925361.9/34

All: 202.775+/-0.026 χ^2/NDF: 16047669.1/65

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -194.717+/-16.125 χ^2/NDF:22.6/14

Left: -199.571+/-11.357 χ^2/NDF: 43.9/30

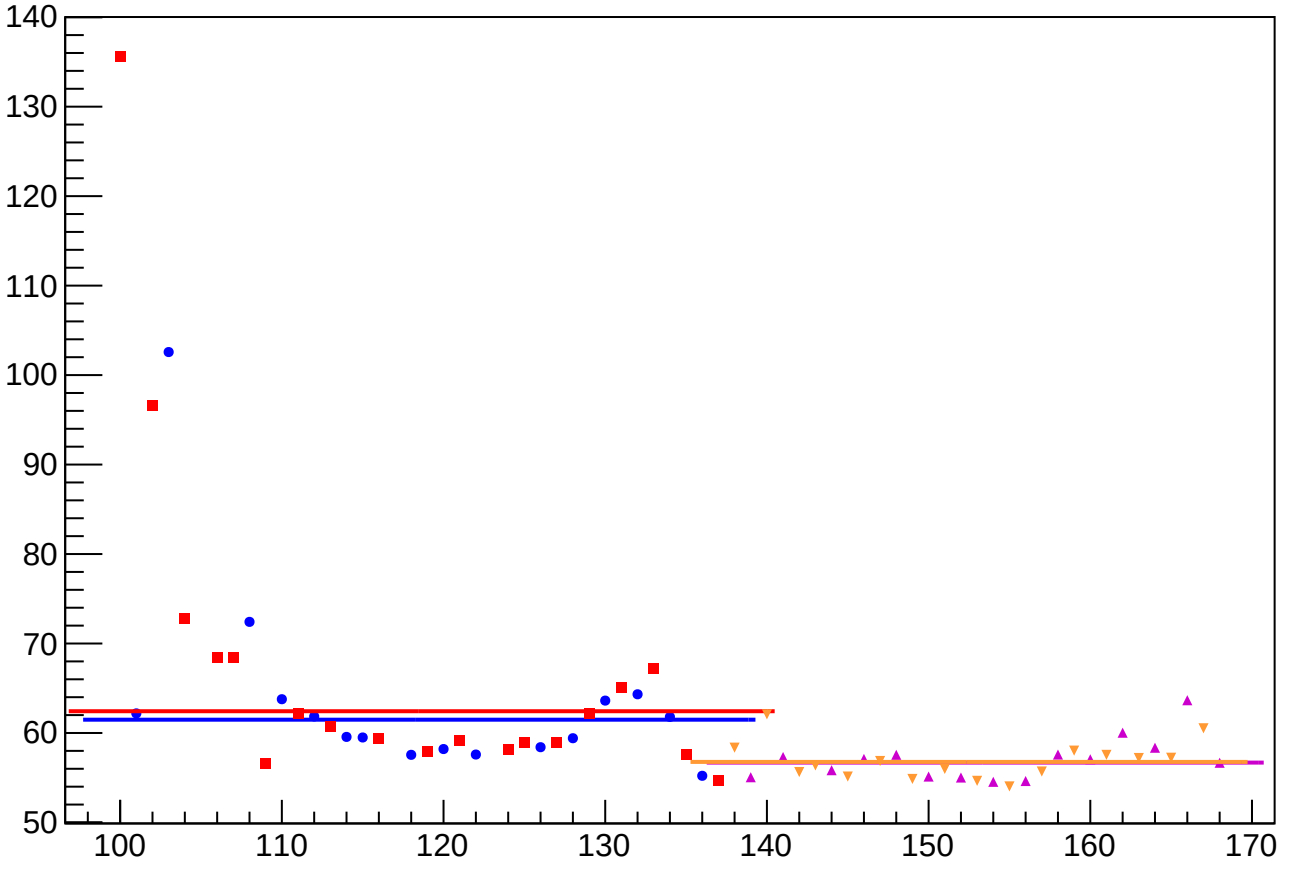
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -204.854+/-13.225 χ^2/NDF:46.4/30

Out: -182.104+/-13.172 χ^2/NDF:72.0/34

All: -193.433+/-9.333 χ^2/NDF: 120.0/65

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

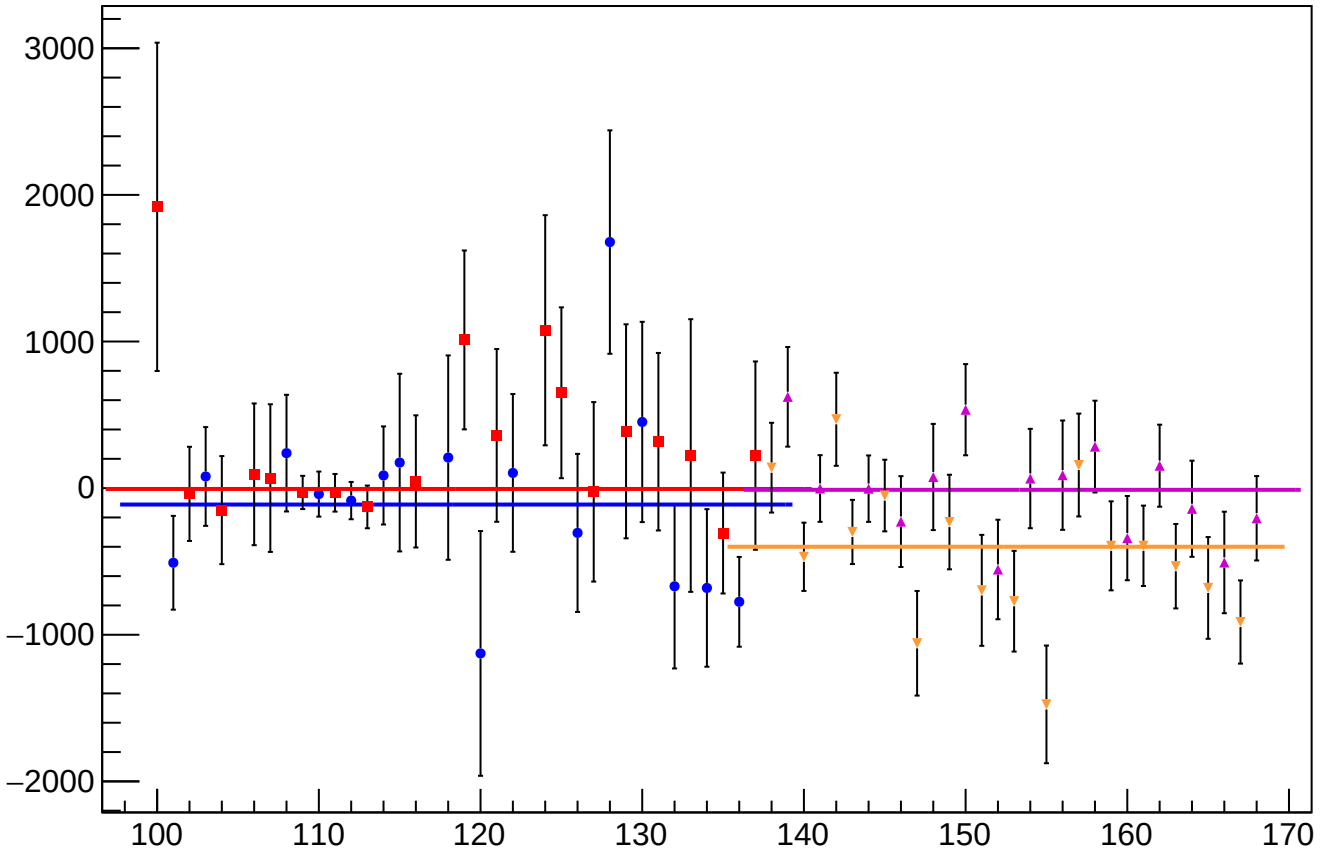
Left: 56.729+/-0.008 χ^2/NDF: 63219.1/30

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.260+/-0.009 χ^2/NDF:339227.1/30

Out: 58.593+/-0.009 χ^2/NDF:392740.4/34

All: 58.427+/-0.007 χ^2/NDF: 732603.3/65



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: -11.491+/-77.782 χ^2/NDF:15.0/14

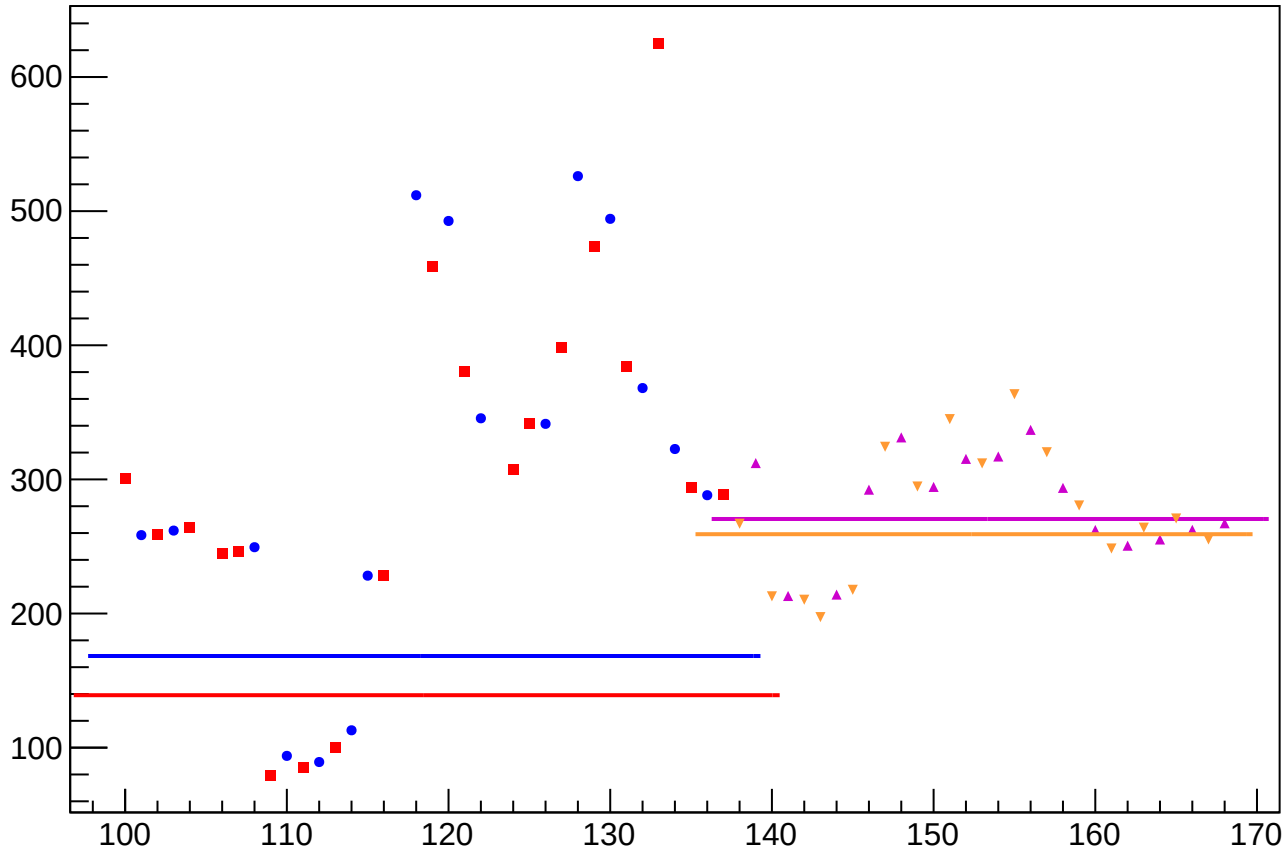
Left: -214.368+/-53.746 χ^2/NDF: 60.3/30

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -62.701+/-54.437 χ^2/NDF:34.3/30

Out: -173.612+/-48.542 χ^2/NDF:60.0/34

All: -124.485+/-36.230 χ^2/NDF: 96.6/65



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.481+/-0.055 χ^2/NDF:524275.1/14

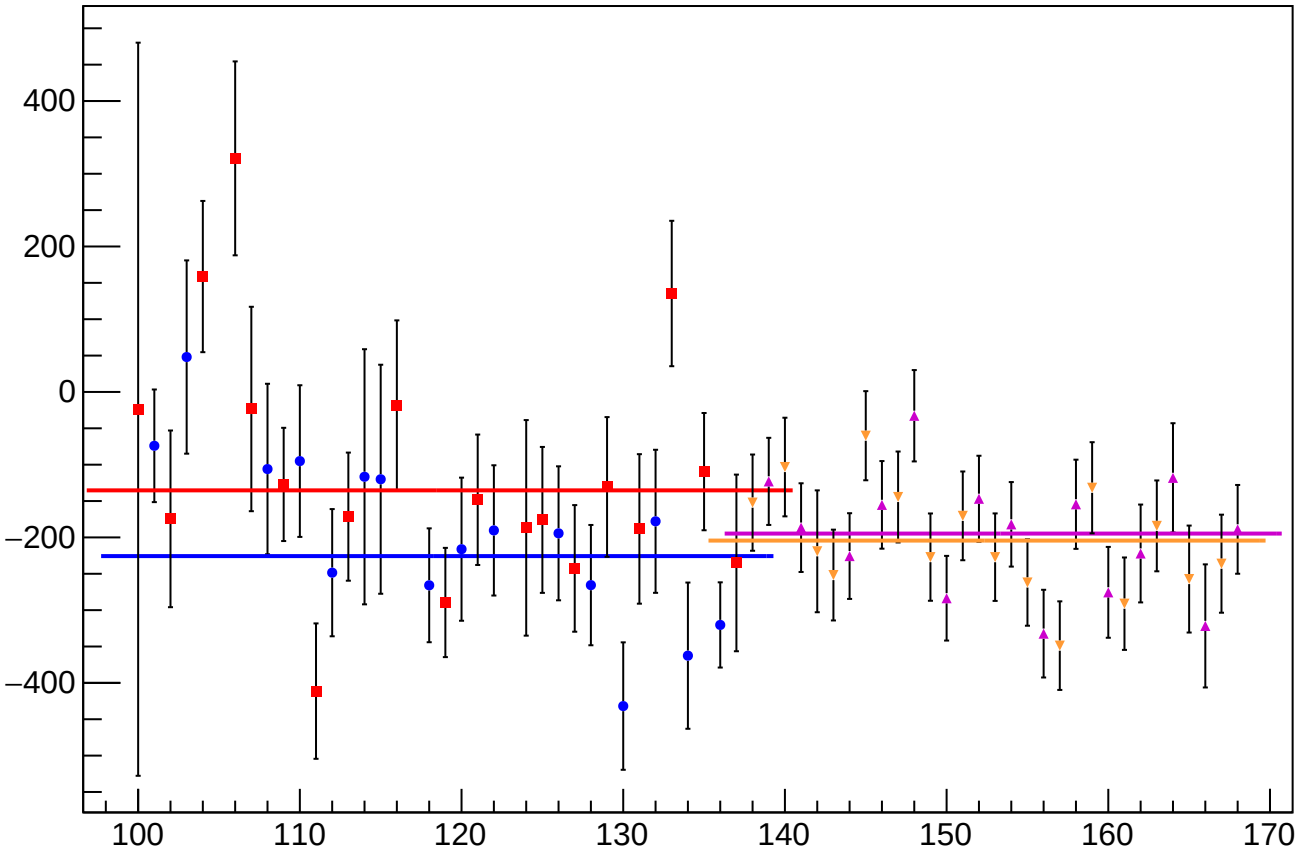
Left: 264.557+/-0.038 χ^2/NDF: 1344841.1/30

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 218.364+/-0.038 χ^2/NDF:6828269.6/30

Out: 190.272+/-0.034 χ^2/NDF:8919516.5/34

All: 202.715+/-0.026 χ^2/NDF: 16044491.7/65



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -204.349+/-15.999 χ^2/NDF:21.1/15

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -194.717+/-16.125 χ^2/NDF:22.6/14

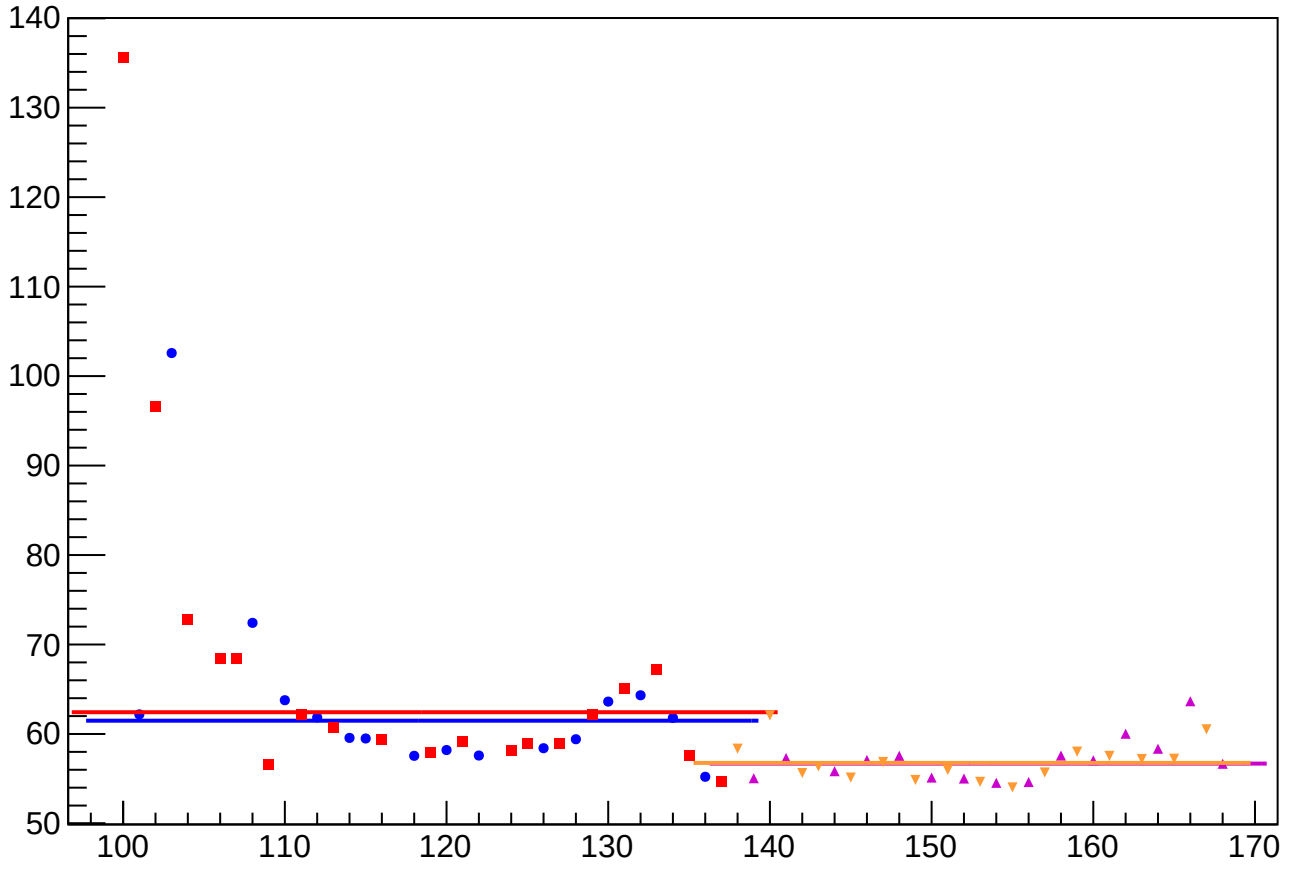
Left: -199.571+/-11.357 χ^2/NDF: 43.9/30

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -204.854+/-13.225 χ^2/NDF:46.4/30

Out: -182.104+/-13.172 χ^2/NDF:72.0/34

All: -193.433+/-9.333 χ^2/NDF: 120.0/65



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.767+/-0.011 χ^2/NDF:32529.9/15

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.691+/-0.011 χ^2/NDF:30666.4/14

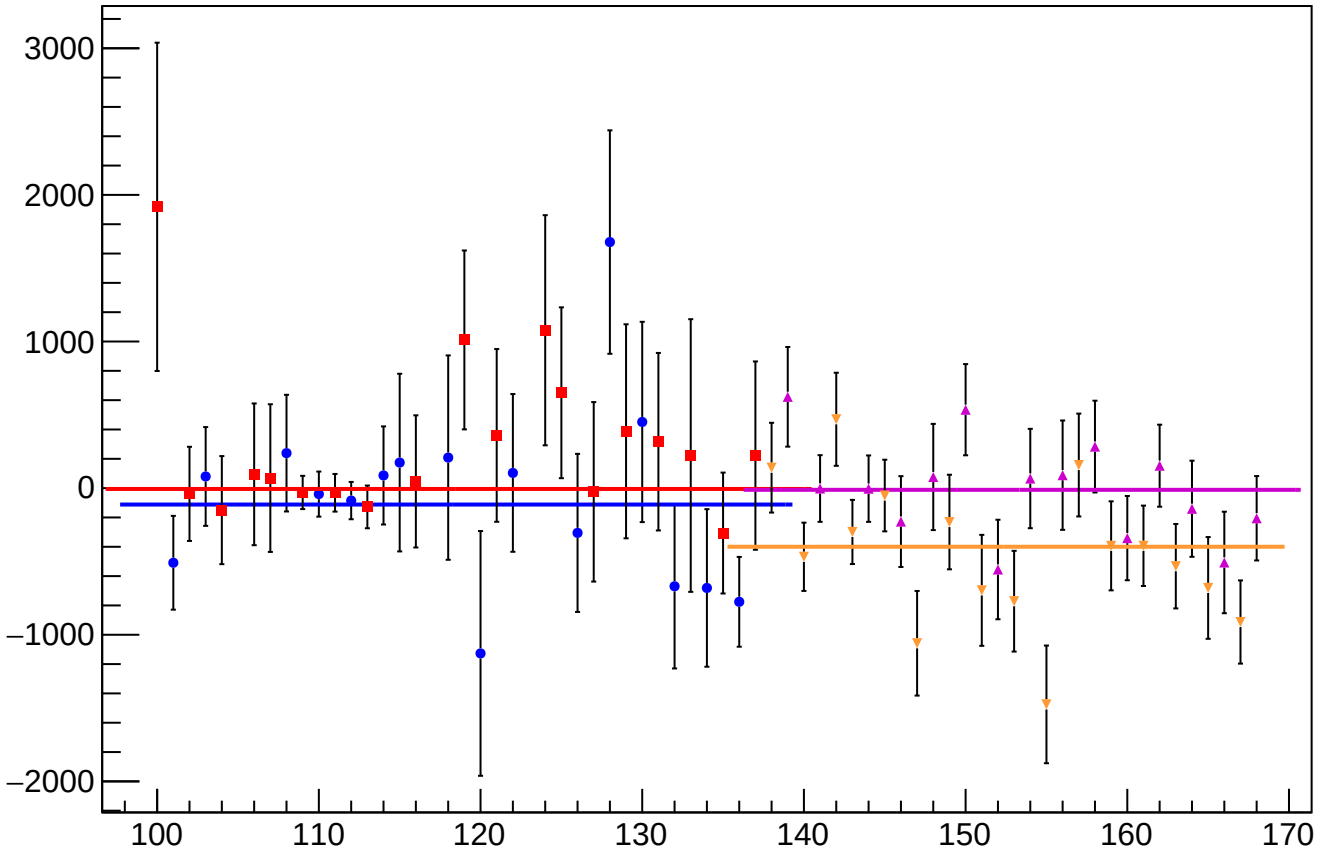
Left: 56.729+/-0.008 χ^2/NDF: 63219.1/30

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.260+/-0.009 χ^2/NDF:339227.1/30

Out: 58.593+/-0.009 χ^2/NDF:392740.4/34

All: 58.427+/-0.007 χ^2/NDF: 732603.3/65



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -399.736+/-74.350 χ^2/NDF:32.3/15

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: -11.491+/-77.782 χ^2/NDF:15.0/14

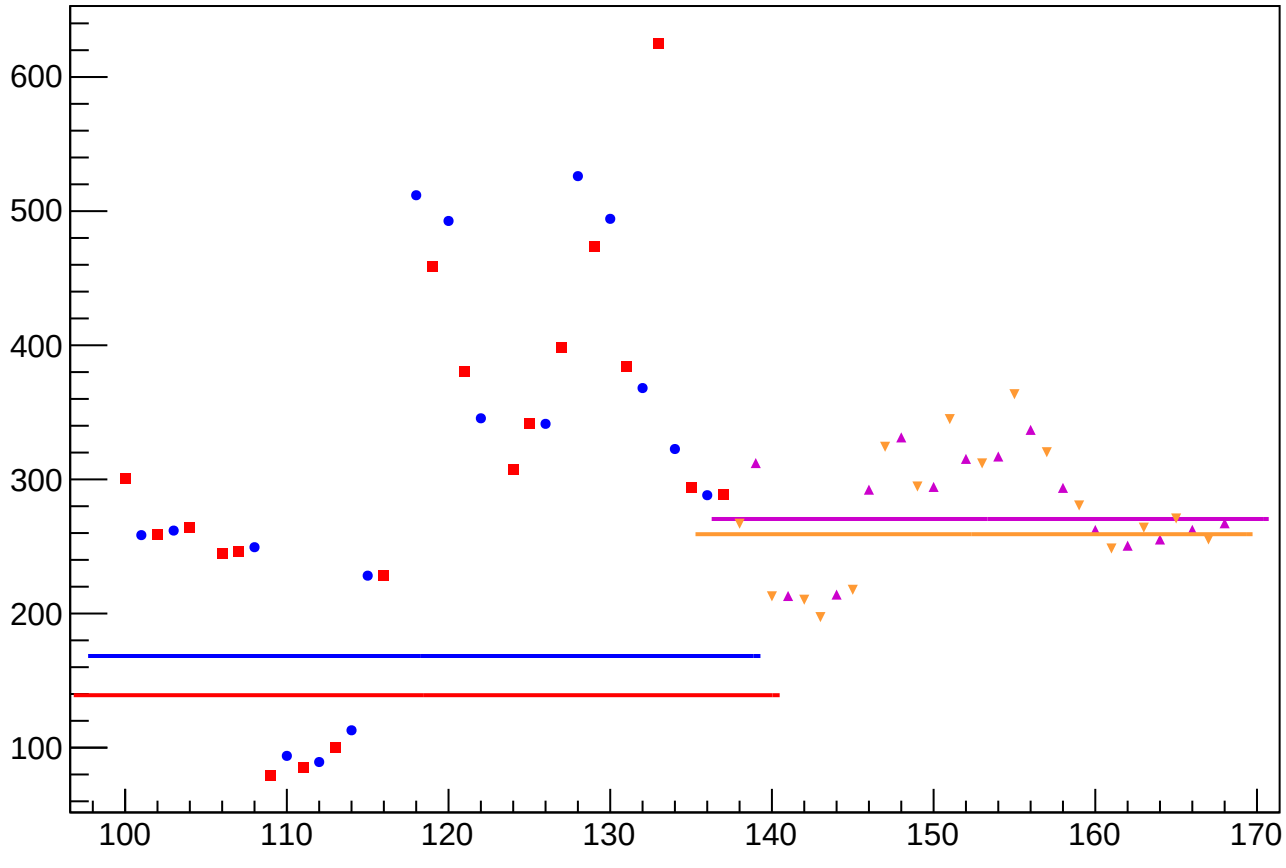
Left: -214.368+/-53.746 χ^2/NDF: 60.3/30

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -62.701+/-54.437 χ^2/NDF:34.3/30

Out: -173.612+/-48.542 χ^2/NDF:60.0/34

All: -124.485+/-36.230 χ^2/NDF: 96.6/65



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.144+/-0.053 χ^2/NDF:798365.4/15

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 270.481+/-0.055 χ^2/NDF:524275.1/14

Left: 264.557+/-0.038 χ^2/NDF: 1344841.1/30

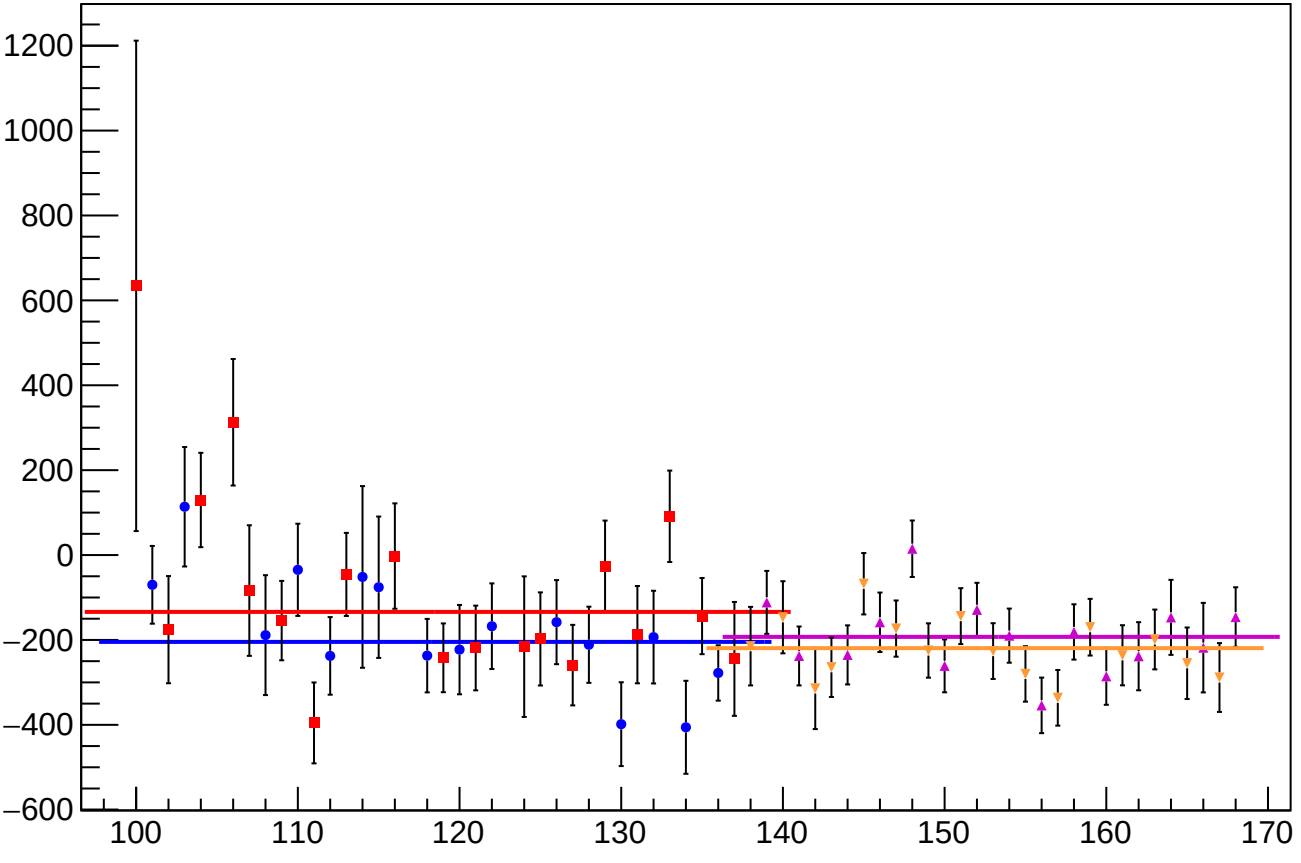
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 218.364+/-0.038 χ^2/NDF:6828269.6/30

Out: 190.272+/-0.034 χ^2/NDF:8919516.5/34

All: 202.715+/-0.026 χ^2/NDF: 16044491.7/65

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.346+/-18.021 χ^2/NDF:14.0/15

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -192.781+/-18.126 χ^2/NDF:23.3/14

Left: -206.140+/-12.780 χ^2/NDF: 38.4/30

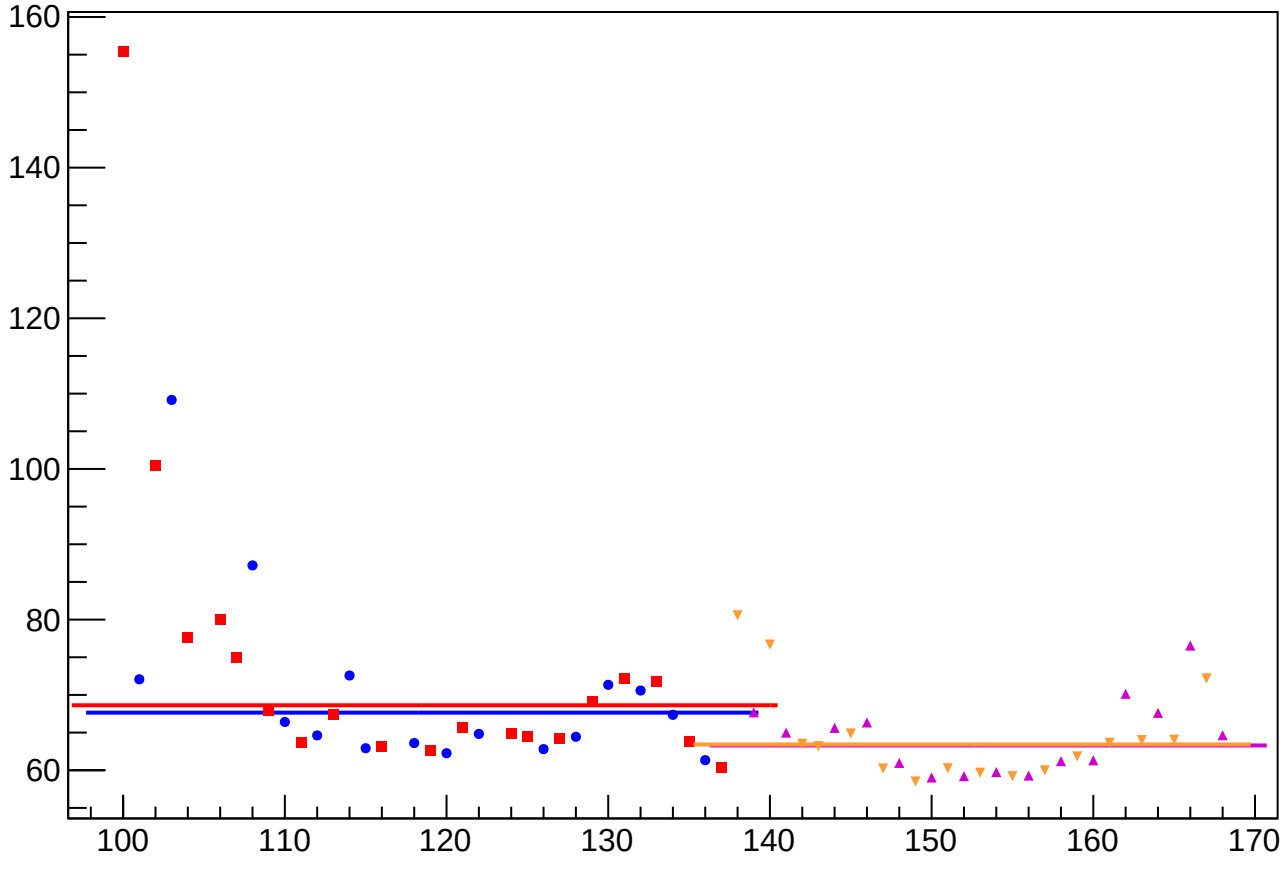
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -196.736+/-14.779 χ^2/NDF:43.4/30

Out: -190.868+/-14.714 χ^2/NDF:58.7/34

All: -193.789+/-10.427 χ^2/NDF: 102.2/65

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184473.5/15

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.290+/-0.013 χ^2/NDF:103364.0/14

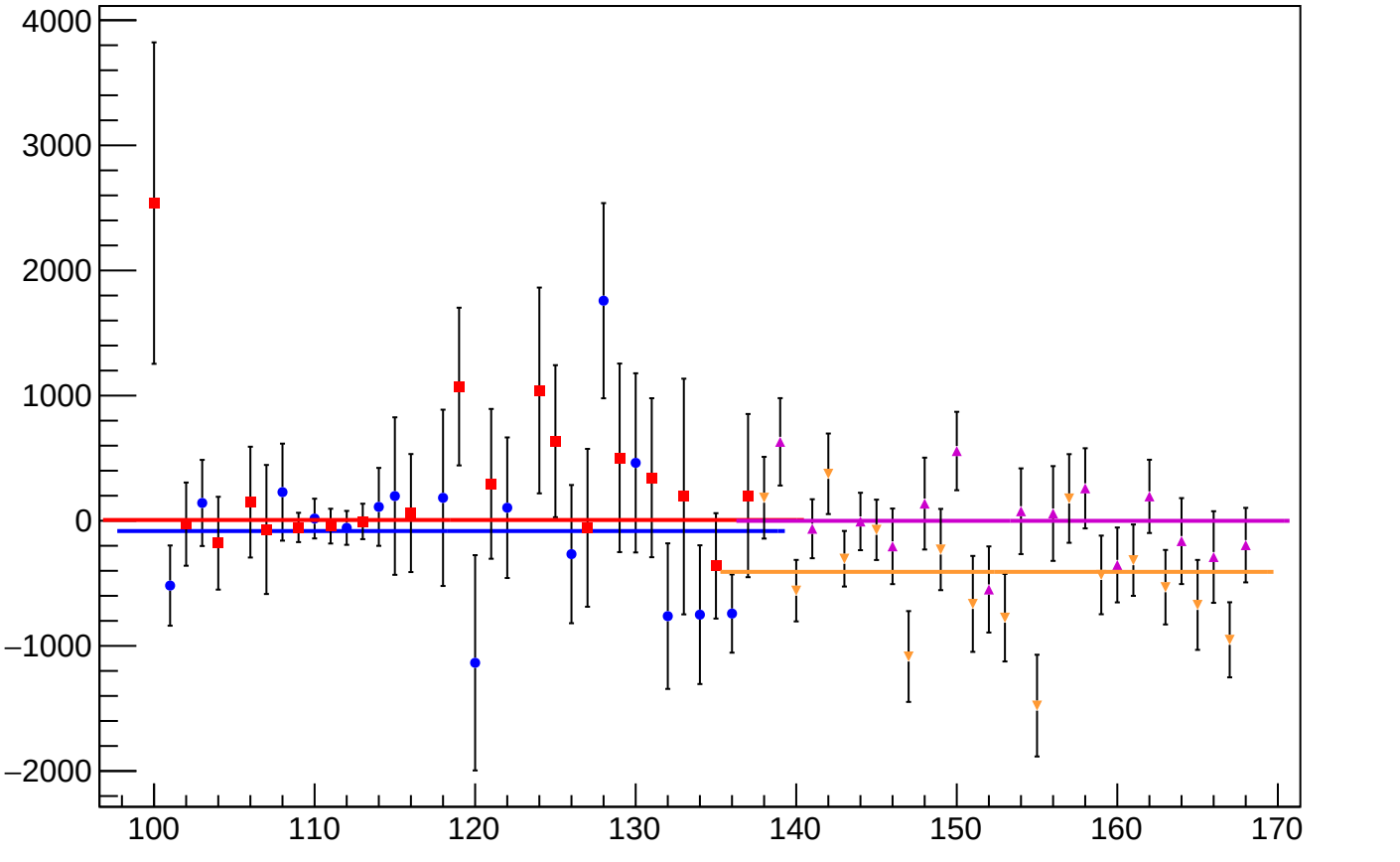
Left: 63.358+/-0.009 χ^2/NDF: 287892.2/30

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.751+/-0.010 χ^2/NDF:405775.7/30

Out: 65.158+/-0.010 χ^2/NDF:488149.4/34

All: 64.955+/-0.007 χ^2/NDF: 894684.6/65



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -408.402+/-76.318 χ^2/NDF:30.8/15

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: -0.716+/-79.676 χ^2/NDF:13.5/14

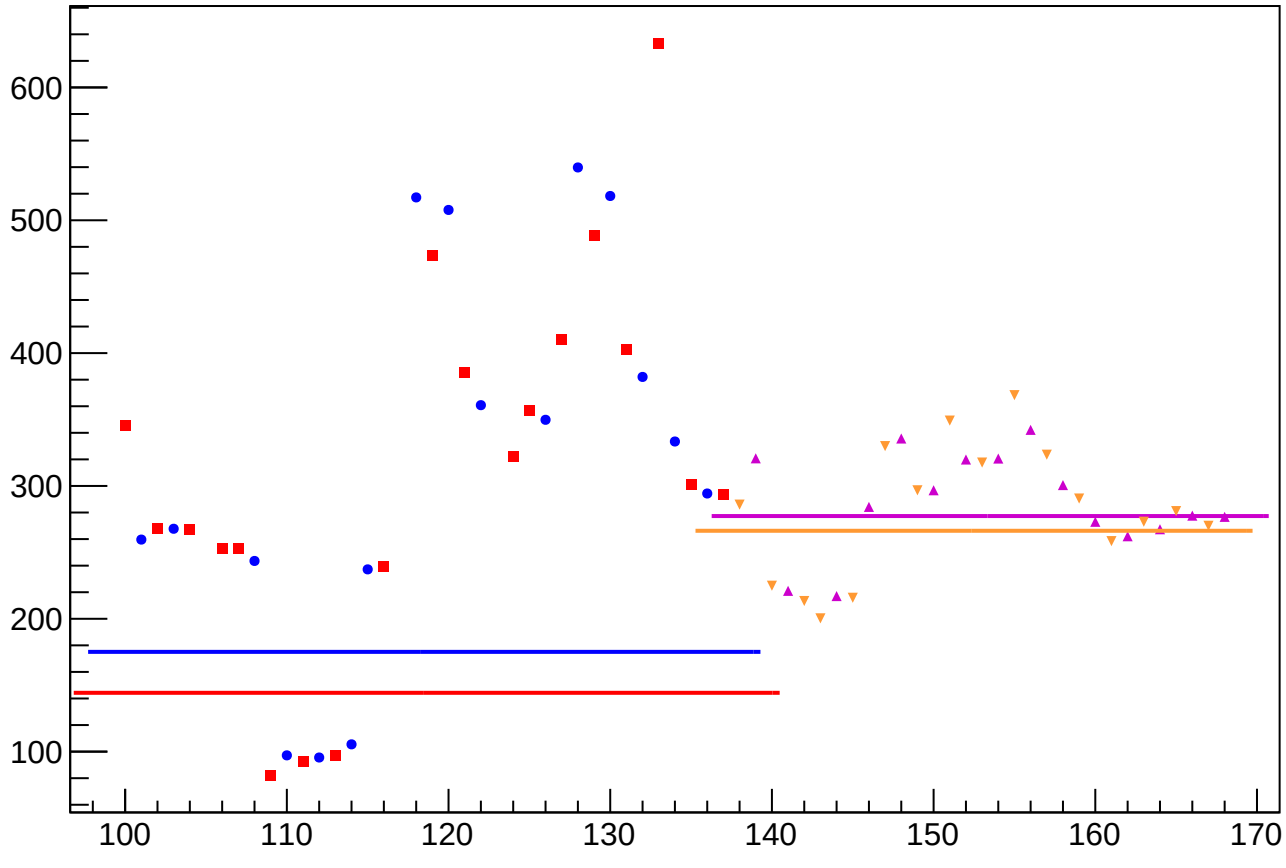
Left: -213.330+/-55.114 χ^2/NDF: 58.0/30

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -41.986+/-55.982 χ^2/NDF:33.2/30

Out: -171.002+/-49.883 χ^2/NDF:59.8/34

All: -113.903+/-37.243 χ^2/NDF: 96.0/65



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.257+/-0.054 χ^2/NDF:794266.2/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.341+/-0.056 χ^2/NDF:481663.6/14

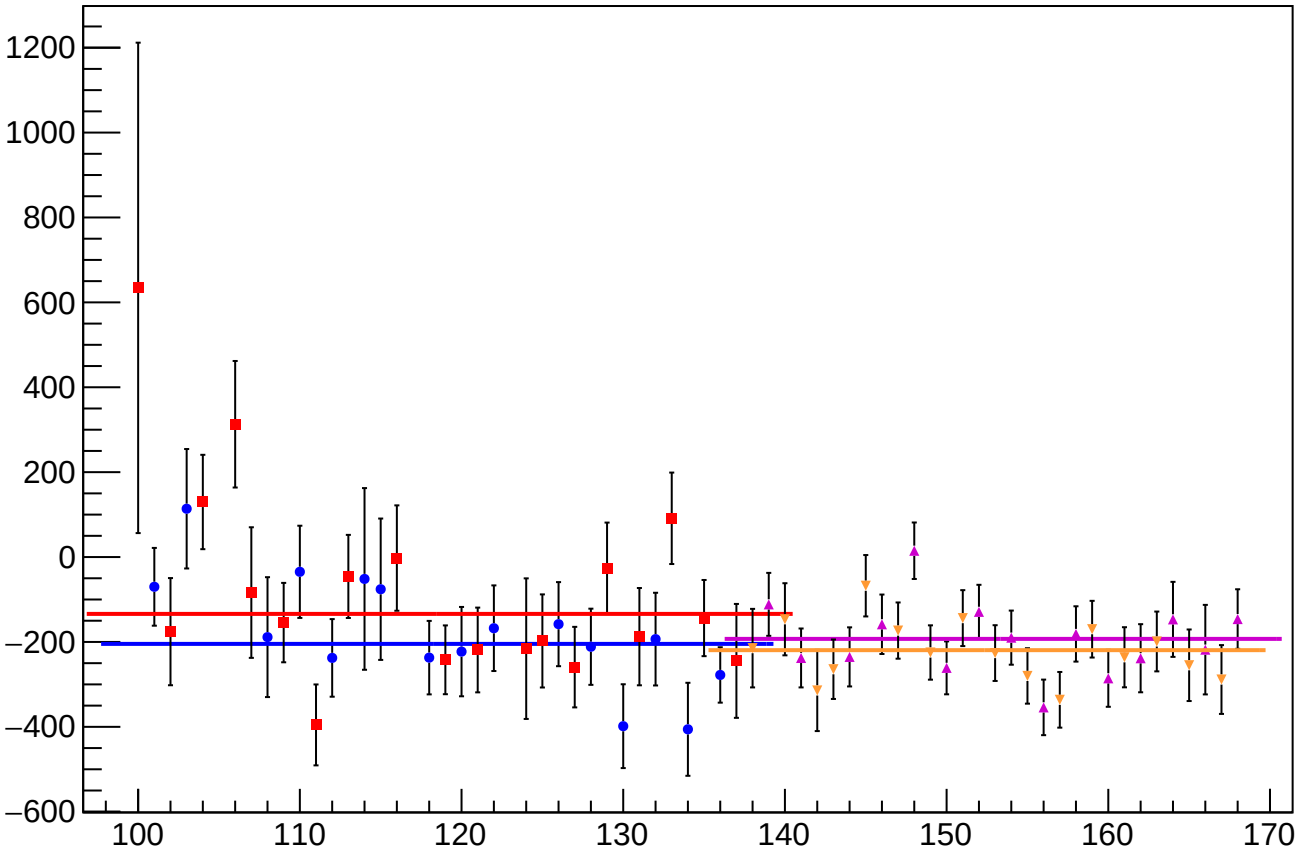
Left: 271.560+/-0.039 χ^2/NDF: 1296117.2/30

Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 225.575+/-0.040 χ^2/NDF:6578201.8/30

Out: 196.388+/-0.035 χ^2/NDF:8853215.7/34

All: 209.305+/-0.026 χ^2/NDF: 15734452.9/65



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -219.345+/-18.021 χ^2/NDF:14.0/15

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -192.782+/-18.126 χ^2/NDF:23.3/14

Left: -206.140+/-12.780 χ^2/NDF: 38.4/30

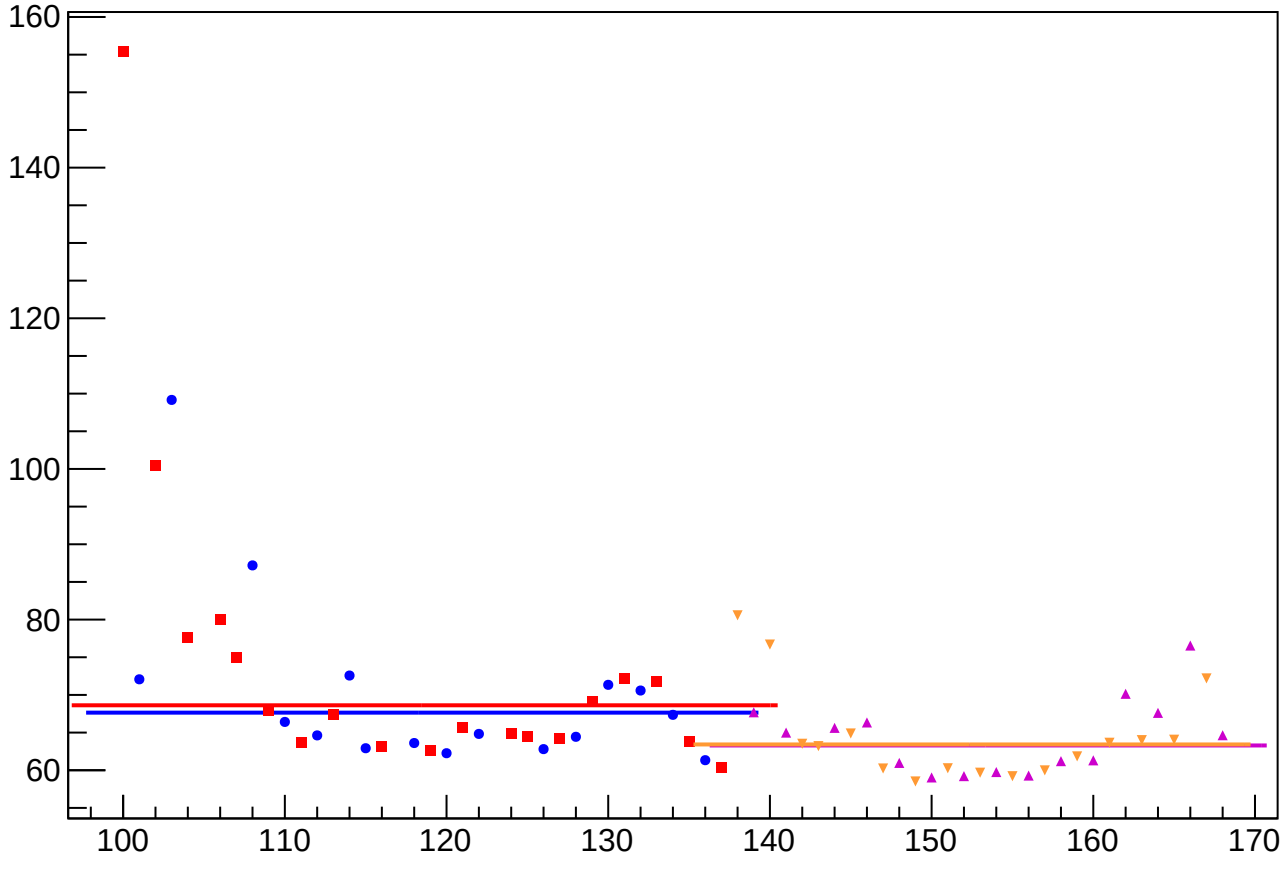
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -196.736+/-14.779 χ^2/NDF:43.4/30

Out: -190.868+/-14.714 χ^2/NDF:58.7/34

All: -193.789+/-10.427 χ^2/NDF: 102.2/65

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.424+/-0.013 χ^2/NDF:184472.4/15

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.290+/-0.013 χ^2/NDF:103364.3/14

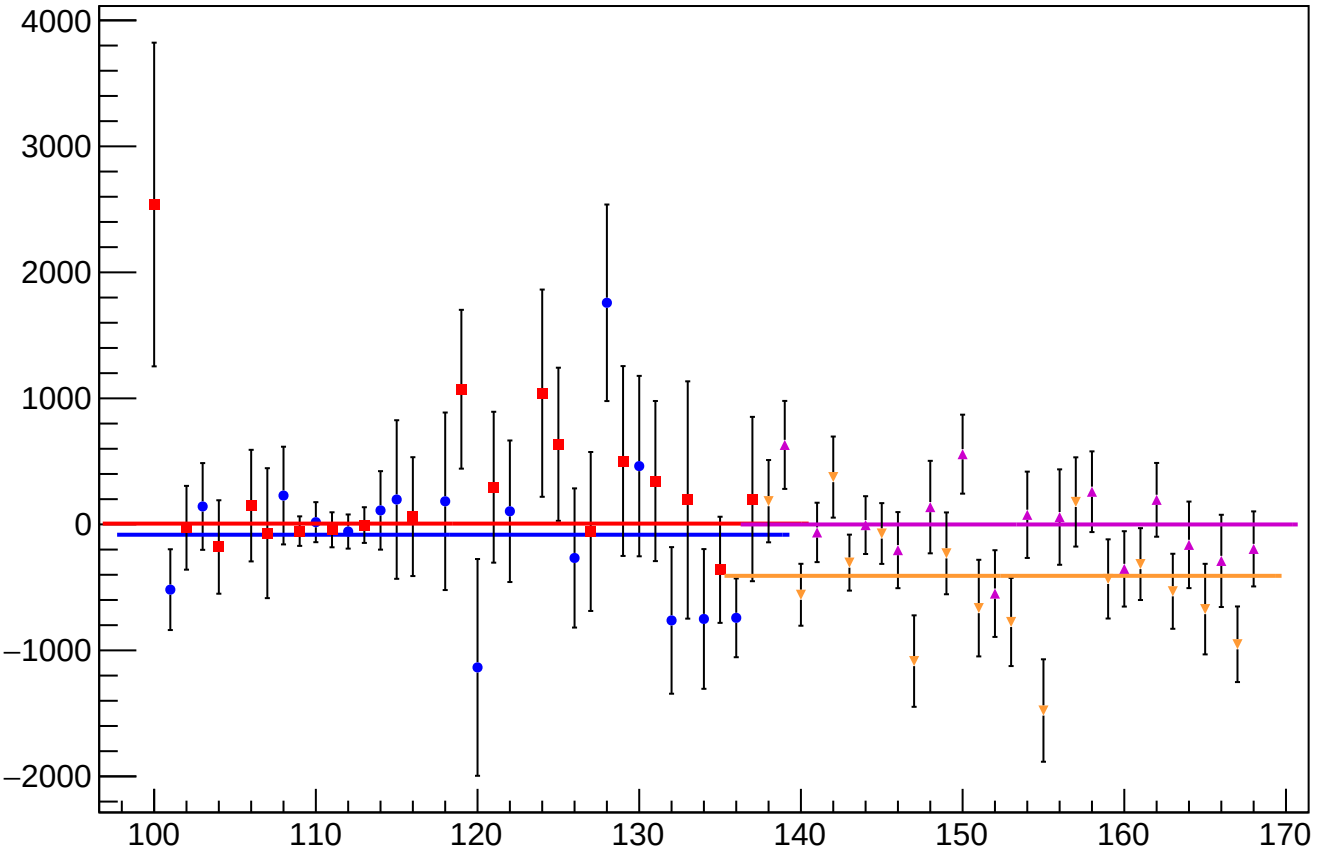
Left: 63.358+/-0.009 χ^2/NDF: 287891.3/30

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.751+/-0.010 χ^2/NDF:405771.2/30

Out: 65.158+/-0.010 χ^2/NDF:488144.7/34

All: 64.955+/-0.007 χ^2/NDF: 894675.4/65



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -408.400+/-76.318 χ^2/NDF:30.8/15

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: -0.717+/-79.675 χ^2/NDF:13.5/14

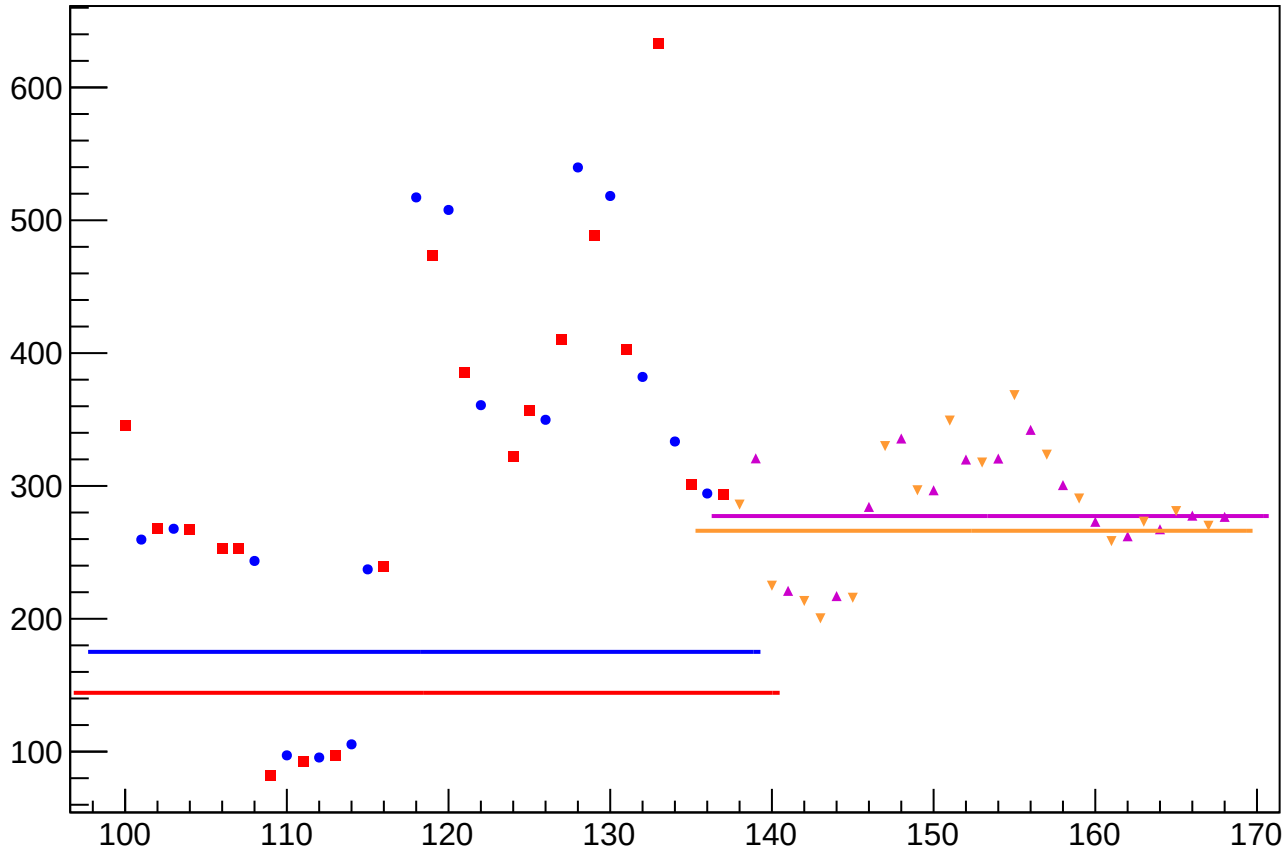
Left: -213.330+/-55.114 χ^2/NDF: 58.0/30

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -41.986+/-55.982 χ^2/NDF:33.2/30

Out: -171.002+/-49.882 χ^2/NDF:59.8/34

All: -113.903+/-37.243 χ^2/NDF: 96.0/65



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.256+/-0.054 χ^2/NDF:794274.9/15

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 277.340+/-0.056 χ^2/NDF:481664.9/14

Left: 271.560+/-0.039 χ^2/NDF: 1296127.9/30

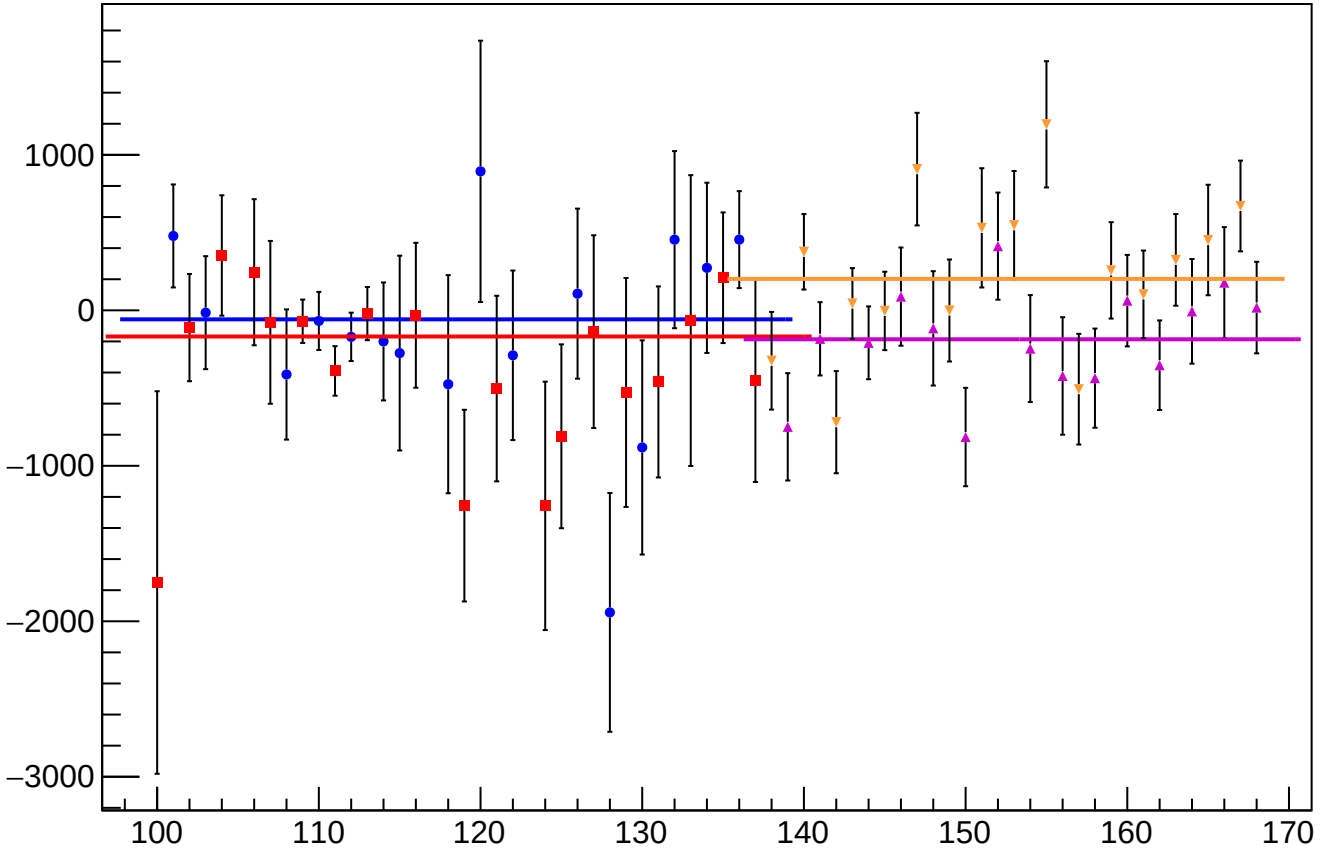
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 225.574+/-0.040 χ^2/NDF:6578258.3/30

Out: 196.387+/-0.035 χ^2/NDF:8853190.1/34

All: 209.304+/-0.026 χ^2/NDF: 15734470.9/65

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 202.193+/-76.372 χ^2/NDF:31.6/15

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -186.212+/-79.659 χ^2/NDF:14.3/14

Left: 16.170+/-55.129 χ^2/NDF: 58.3/30

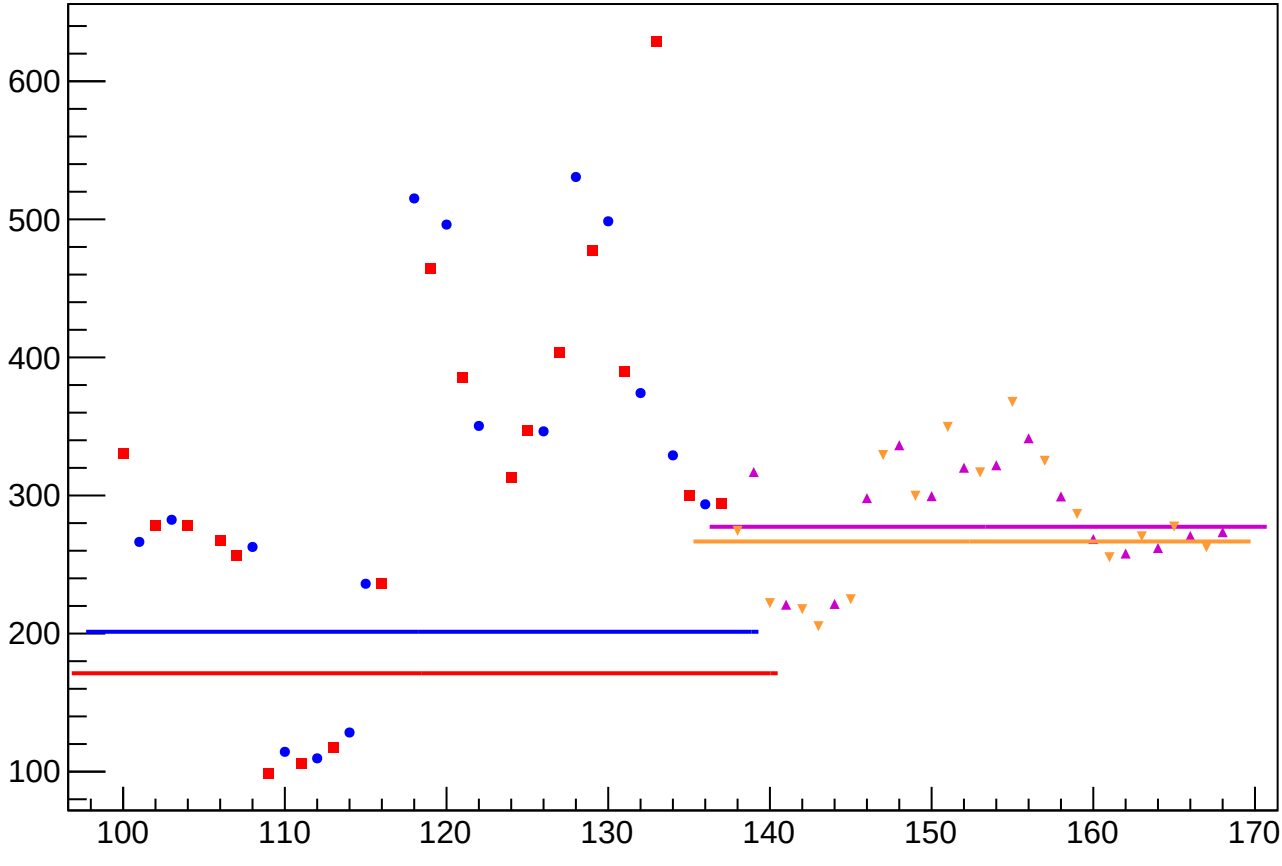
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -127.649+/-58.718 χ^2/NDF:32.9/30

Out: 12.582+/-53.365 χ^2/NDF:59.2/34

All: -50.851+/-39.492 χ^2/NDF: 95.2/65

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.698+/-0.054 χ^2/NDF:720592.7/15

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 277.346+/-0.056 χ^2/NDF:472534.6/14

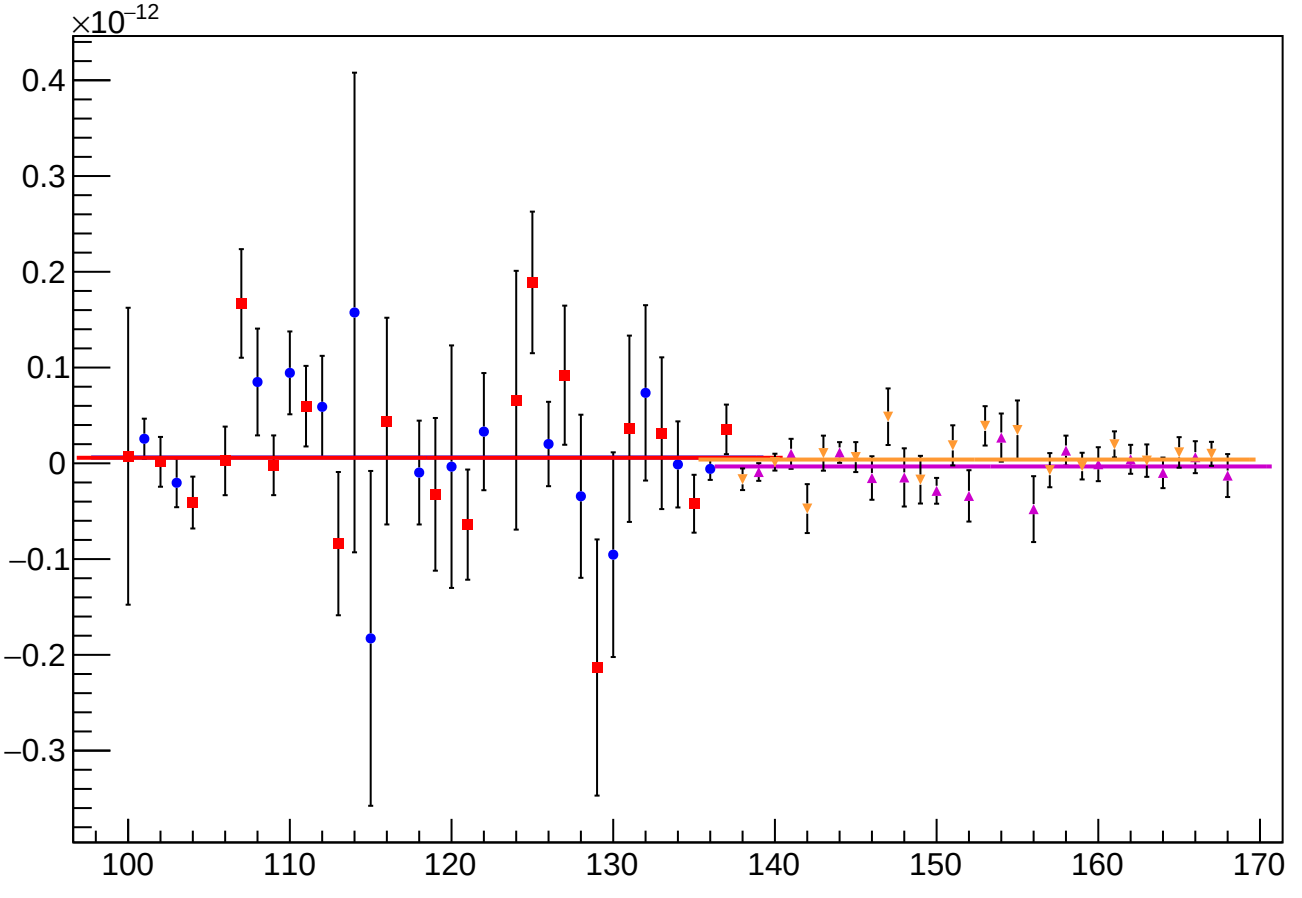
Left: 271.798+/-0.039 χ^2/NDF: 1211749.1/30

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 242.619+/-0.042 χ^2/NDF:4877063.0/30

Out: 217.853+/-0.038 χ^2/NDF:6511733.8/34

All: 229.056+/-0.028 χ^2/NDF: 11583651.9/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/14

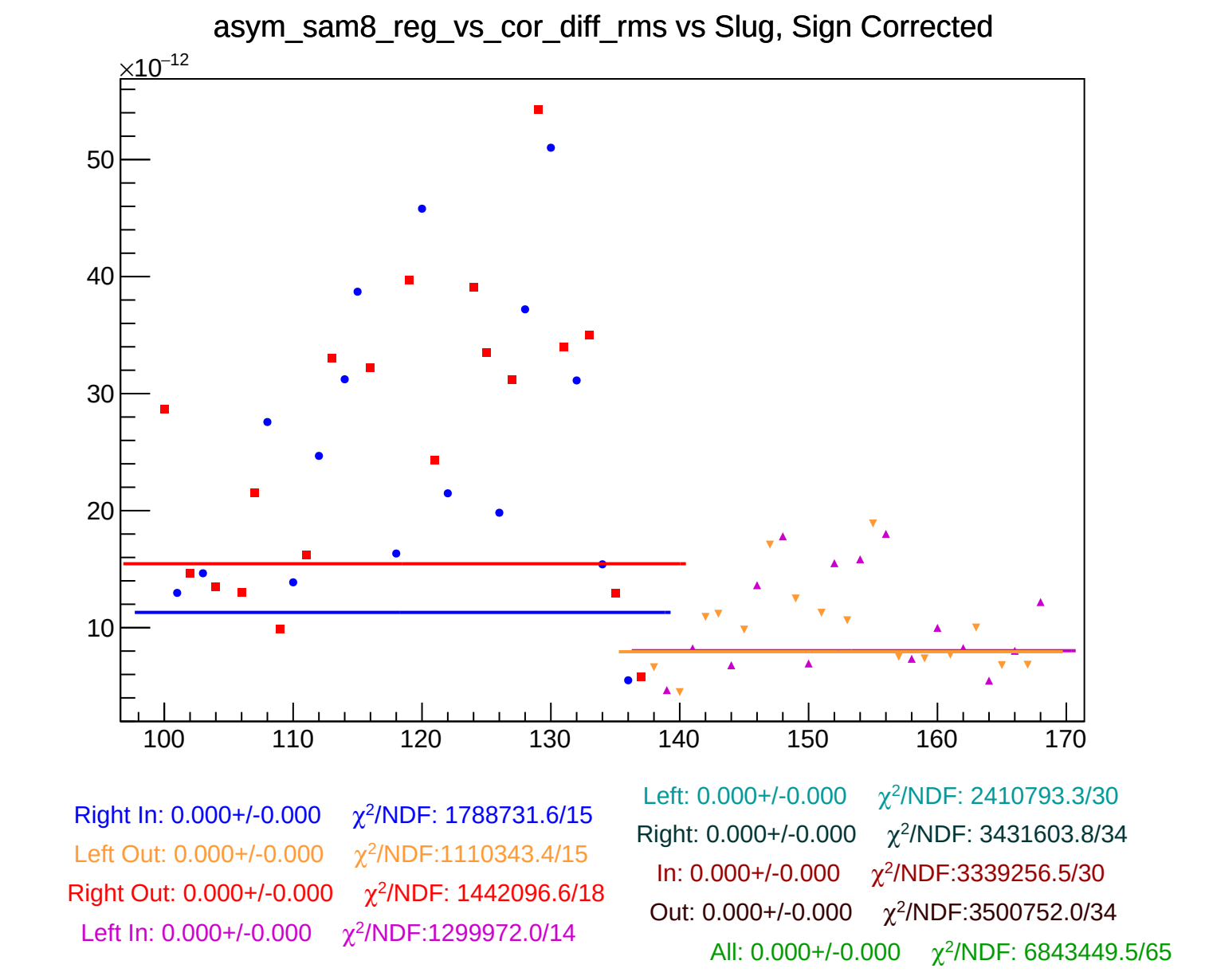
Left: 0.000+/-0.000 χ^2/NDF: 32.5/30

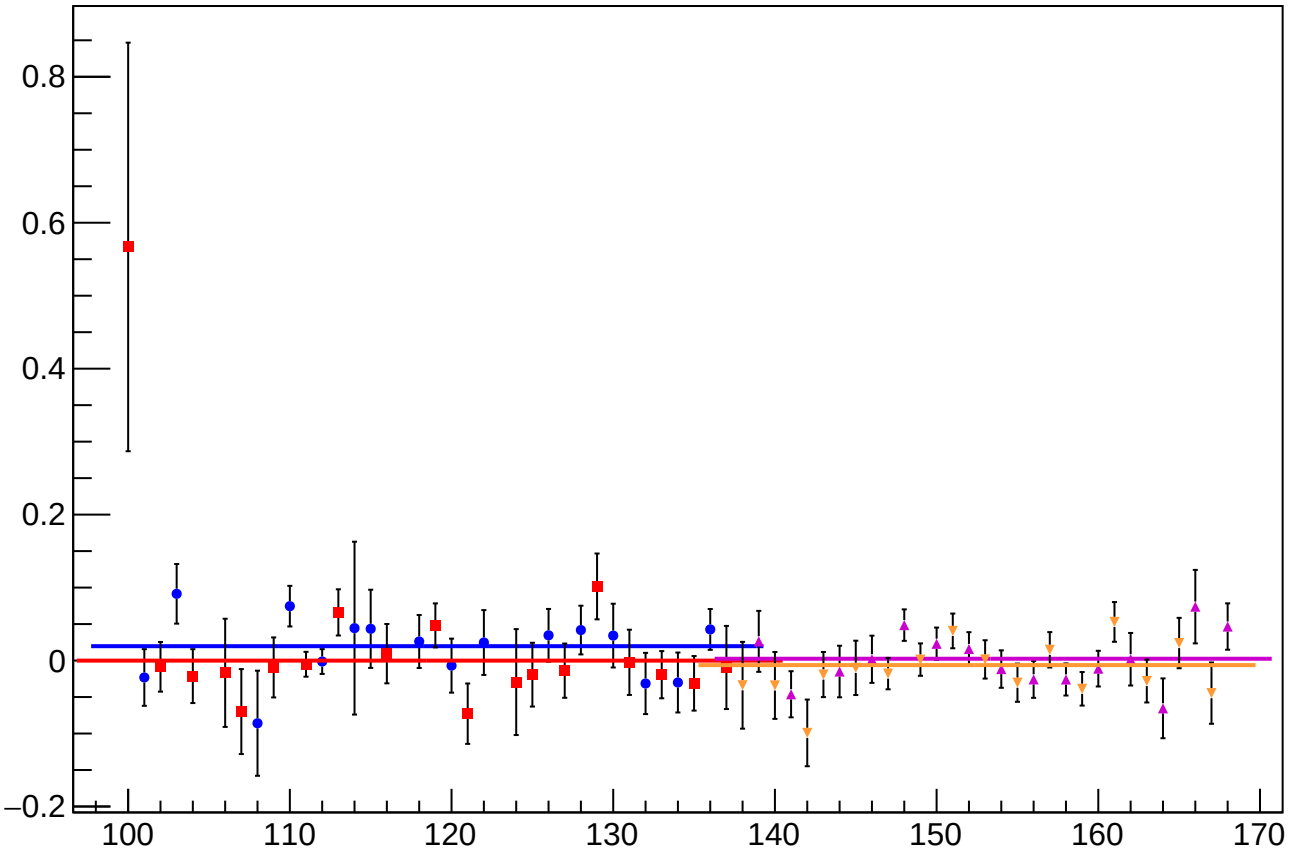
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:28.2/30

Out: 0.000+/-0.000 χ^2/NDF:48.0/34

All: 0.000+/-0.000 χ^2/NDF: 77.4/65


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1110343.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1299972.0/14
Left: 0.000+/-0.000 χ²/NDF: 2410793.3/30
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3339256.5/30
Out: 0.000+/-0.000 χ²/NDF:3500752.0/34
All: 0.000+/-0.000 χ²/NDF: 6843449.5/65



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.007 χ^2/NDF:18.9/14

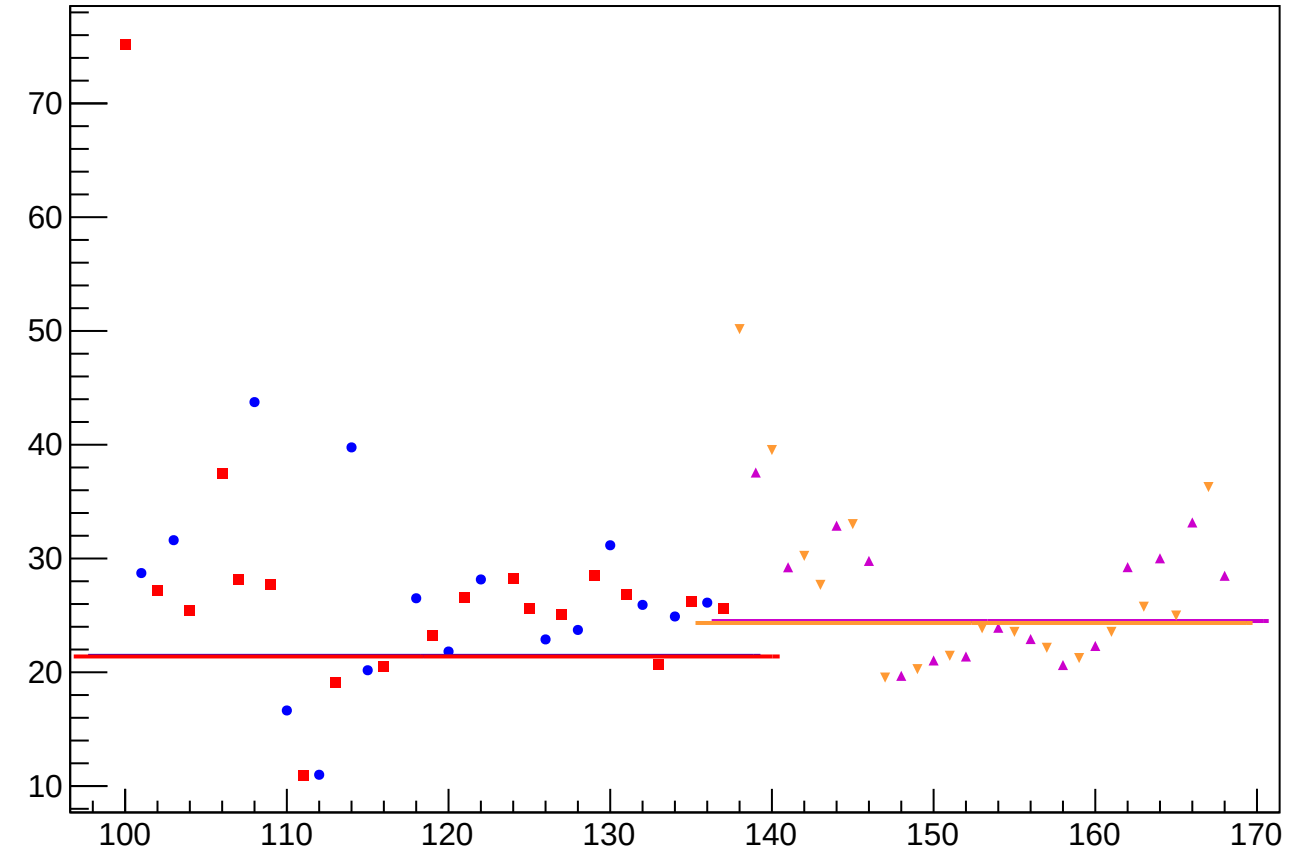
Left: -0.002+/-0.005 χ^2/NDF: 39.4/30

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:38.2/30

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.003+/-0.004 χ^2/NDF: 84.0/65



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.506+/-0.005 χ^2/NDF:838651.2/14

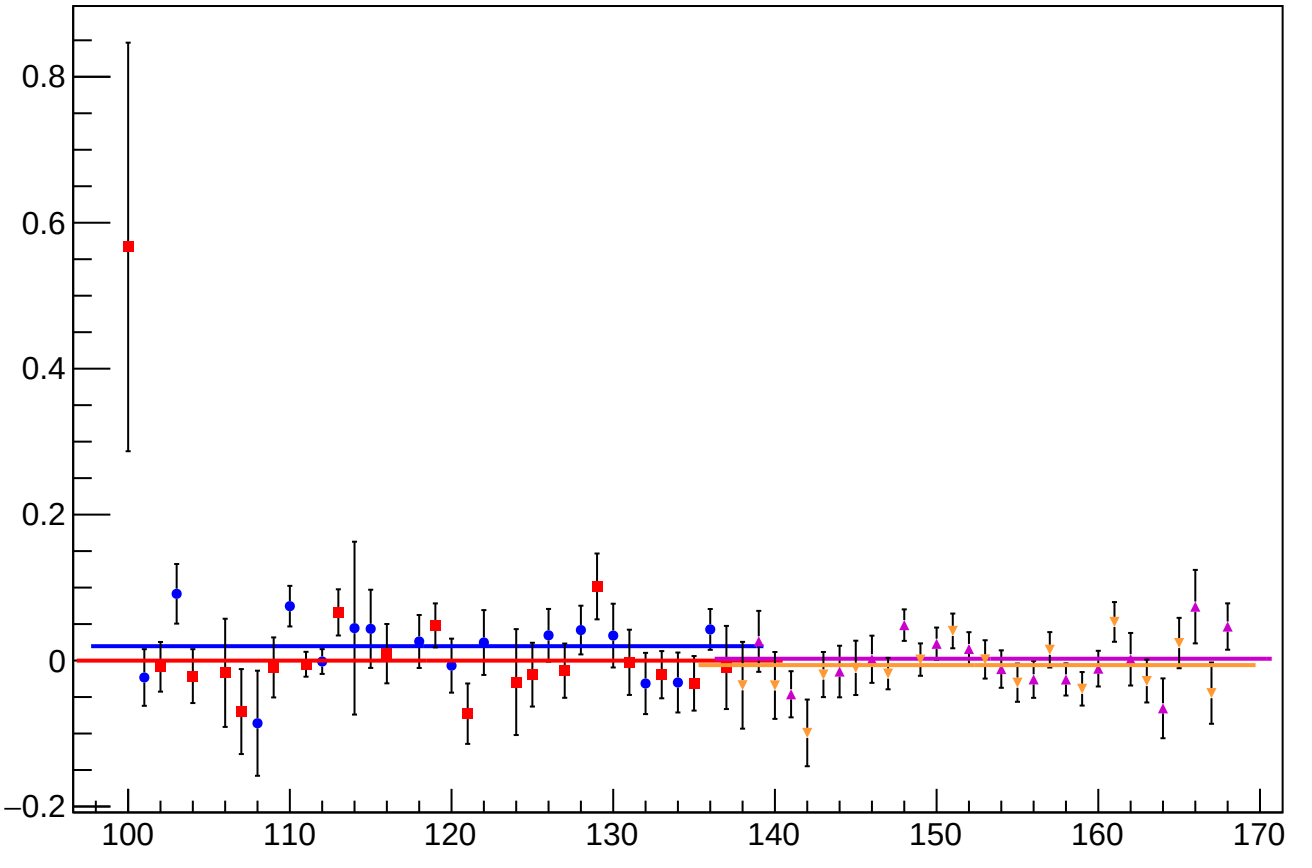
Left: 24.419+/-0.004 χ^2/NDF: 2021252.3/30

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.246+/-0.004 χ^2/NDF:2525663.9/30

Out: 23.108+/-0.004 χ^2/NDF:2633832.1/34

All: 23.176+/-0.003 χ^2/NDF: 5160113.1/65



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.007 χ^2/NDF:18.9/14

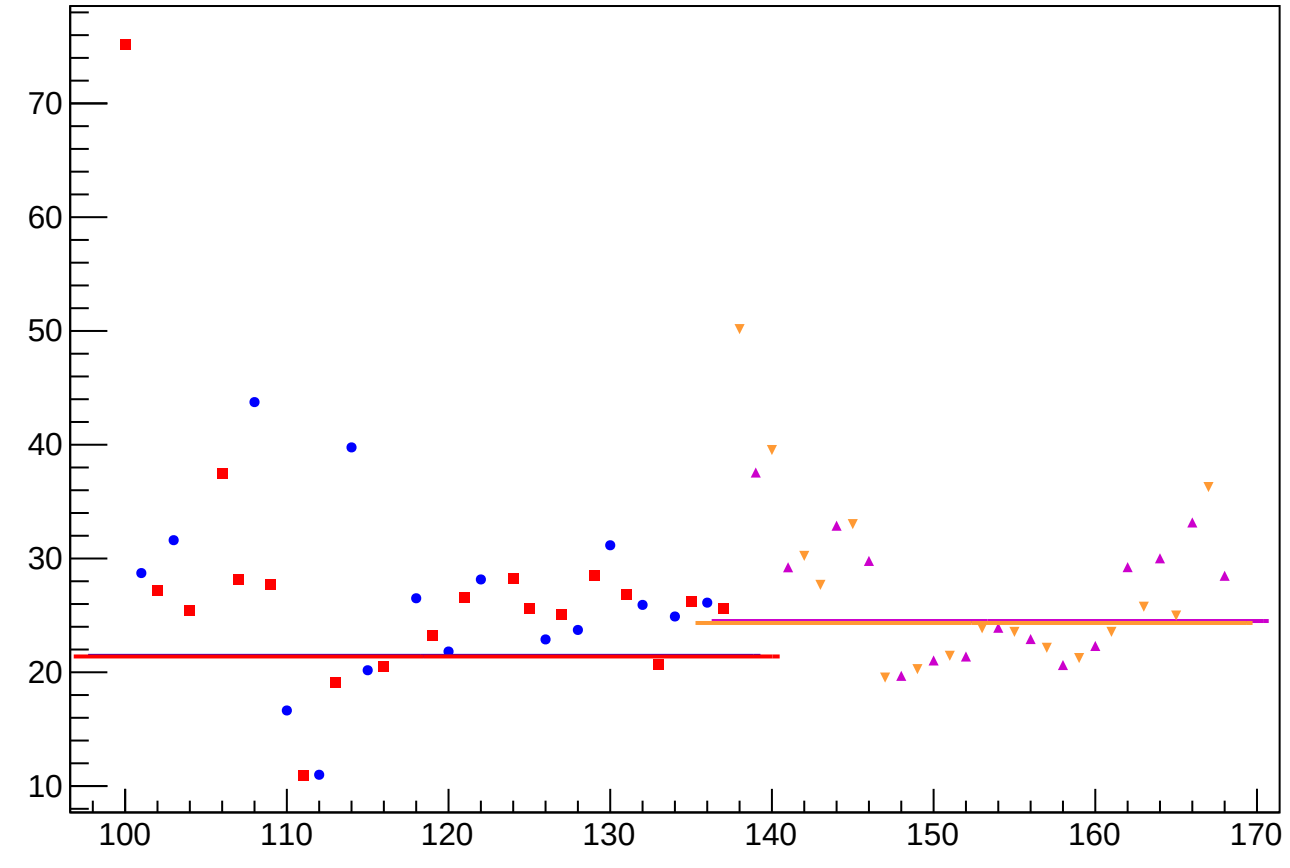
Left: -0.002+/-0.005 χ^2/NDF: 39.4/30

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:38.2/30

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.003+/-0.004 χ^2/NDF: 84.0/65



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.6/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.506+/-0.005 χ^2/NDF:838651.2/14

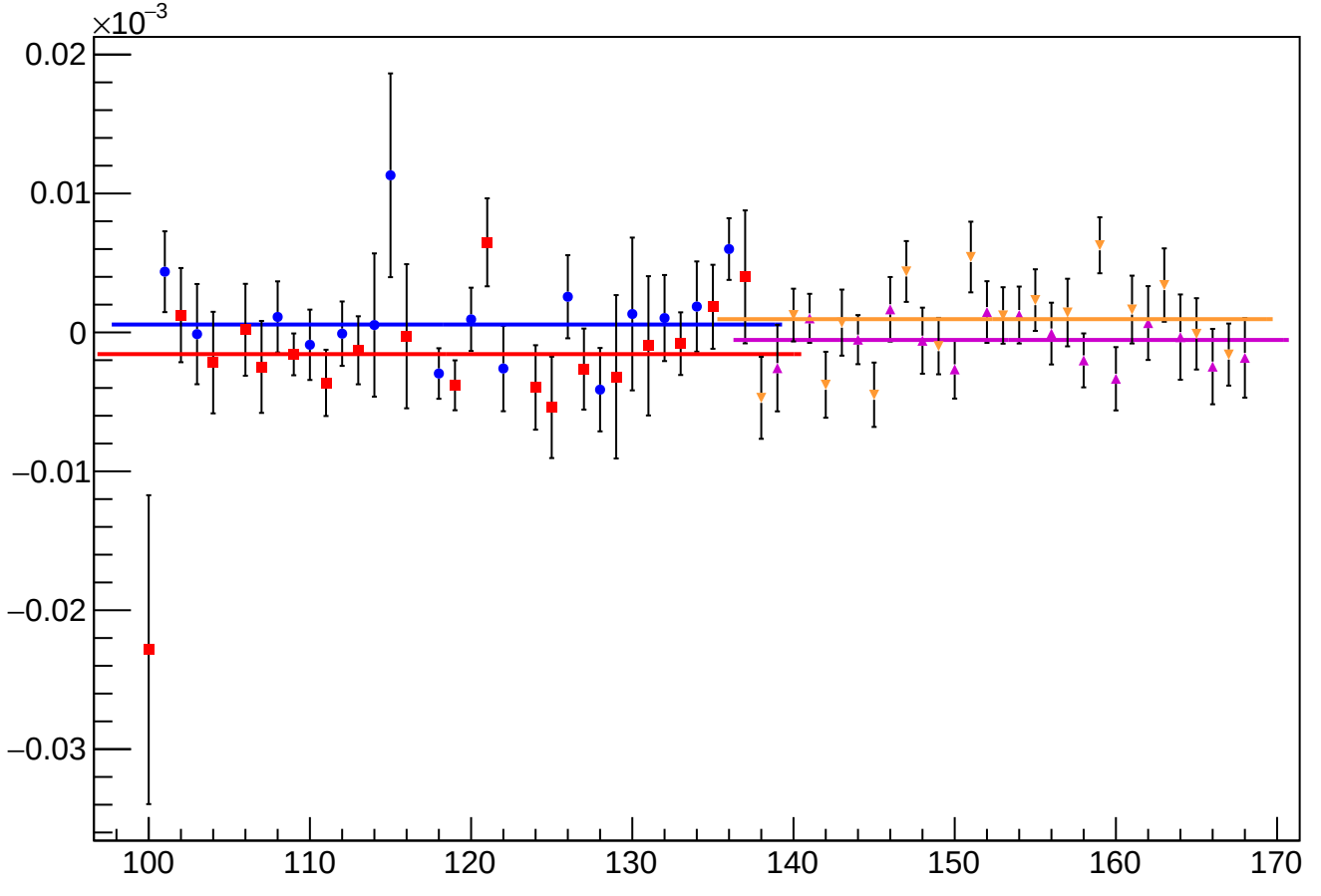
Left: 24.419+/-0.004 χ^2/NDF: 2021252.3/30

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.246+/-0.004 χ^2/NDF:2525663.9/30

Out: 23.108+/-0.004 χ^2/NDF:2633832.1/34

All: 23.176+/-0.003 χ^2/NDF: 5160113.1/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/14

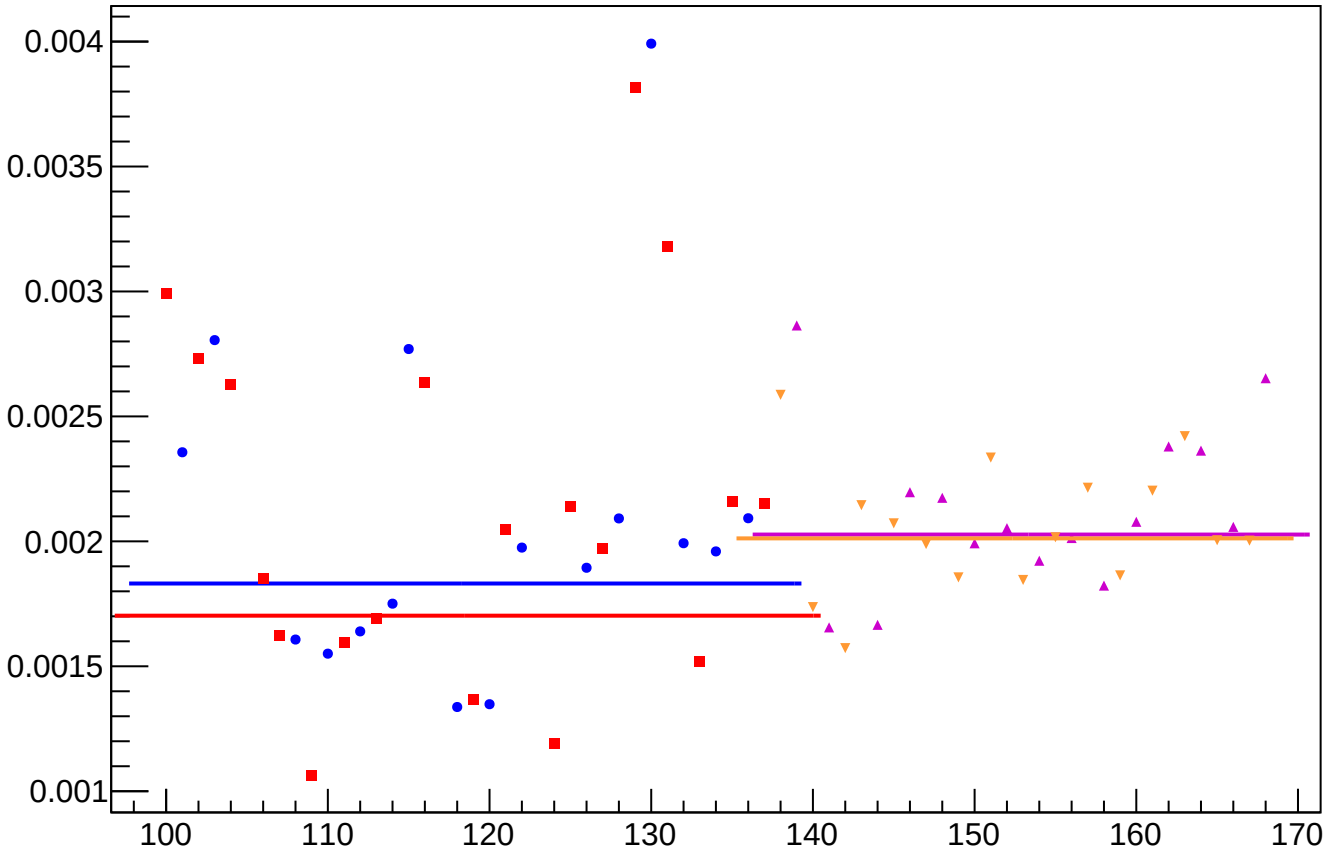
Left: 0.000+/-0.000 χ^2/NDF: 40.6/30

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:27.5/30

Out: -0.000+/-0.000 χ^2/NDF:56.1/34

All: -0.000+/-0.000 χ^2/NDF: 83.6/65



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336607.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:518782.6/14

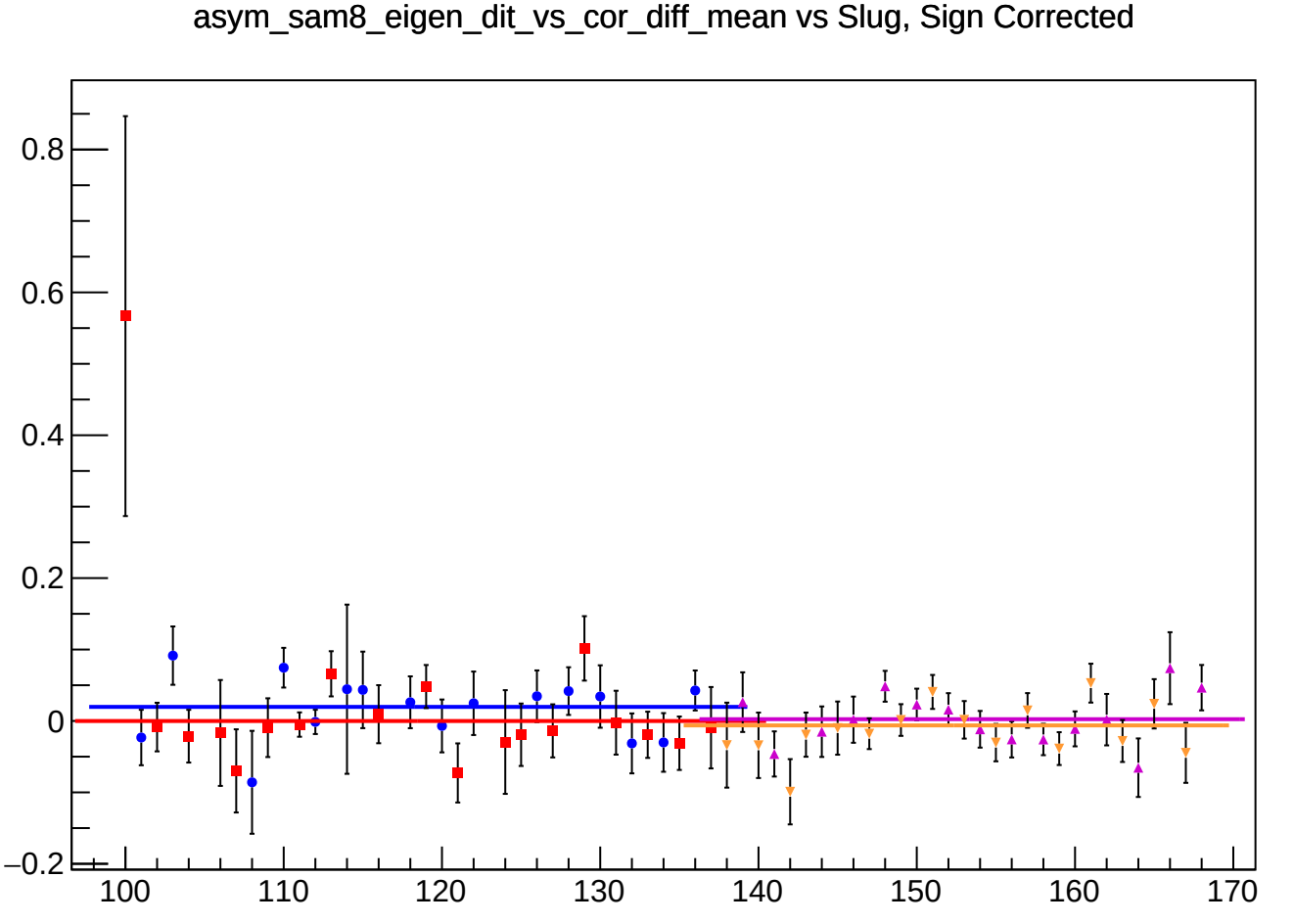
Left: 0.002+/-0.000 χ^2/NDF: 856091.3/30

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1510608.4/30

Out: 0.002+/-0.000 χ^2/NDF:2066165.0/34

All: 0.002+/-0.000 χ^2/NDF: 3600998.3/65



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.007 χ^2/NDF:18.9/14

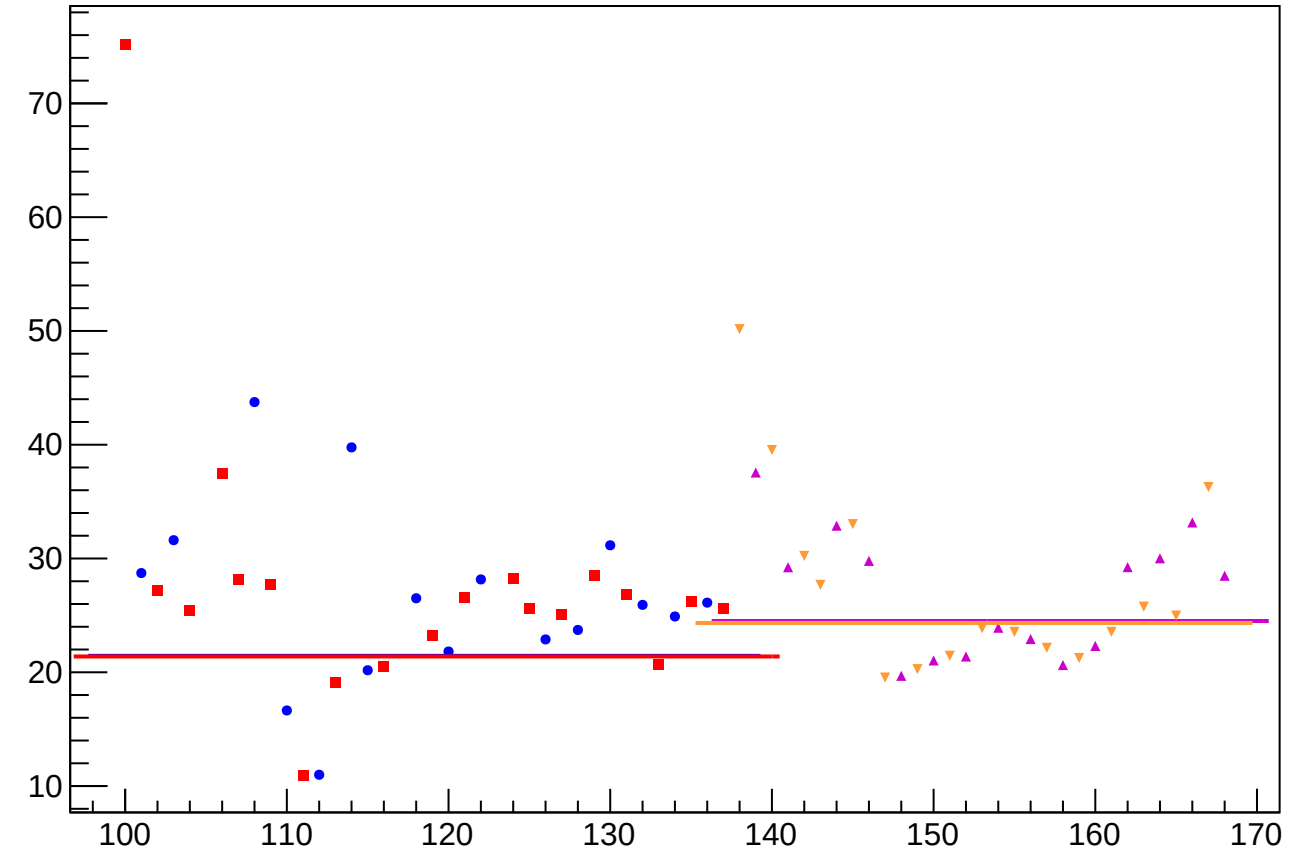
Left: -0.002+/-0.005 χ^2/NDF: 39.4/30

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:38.2/30

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.003+/-0.004 χ^2/NDF: 84.0/65



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.506+/-0.005 χ^2/NDF:838654.0/14

Left: 24.419+/-0.004 χ^2/NDF: 2021255.5/30

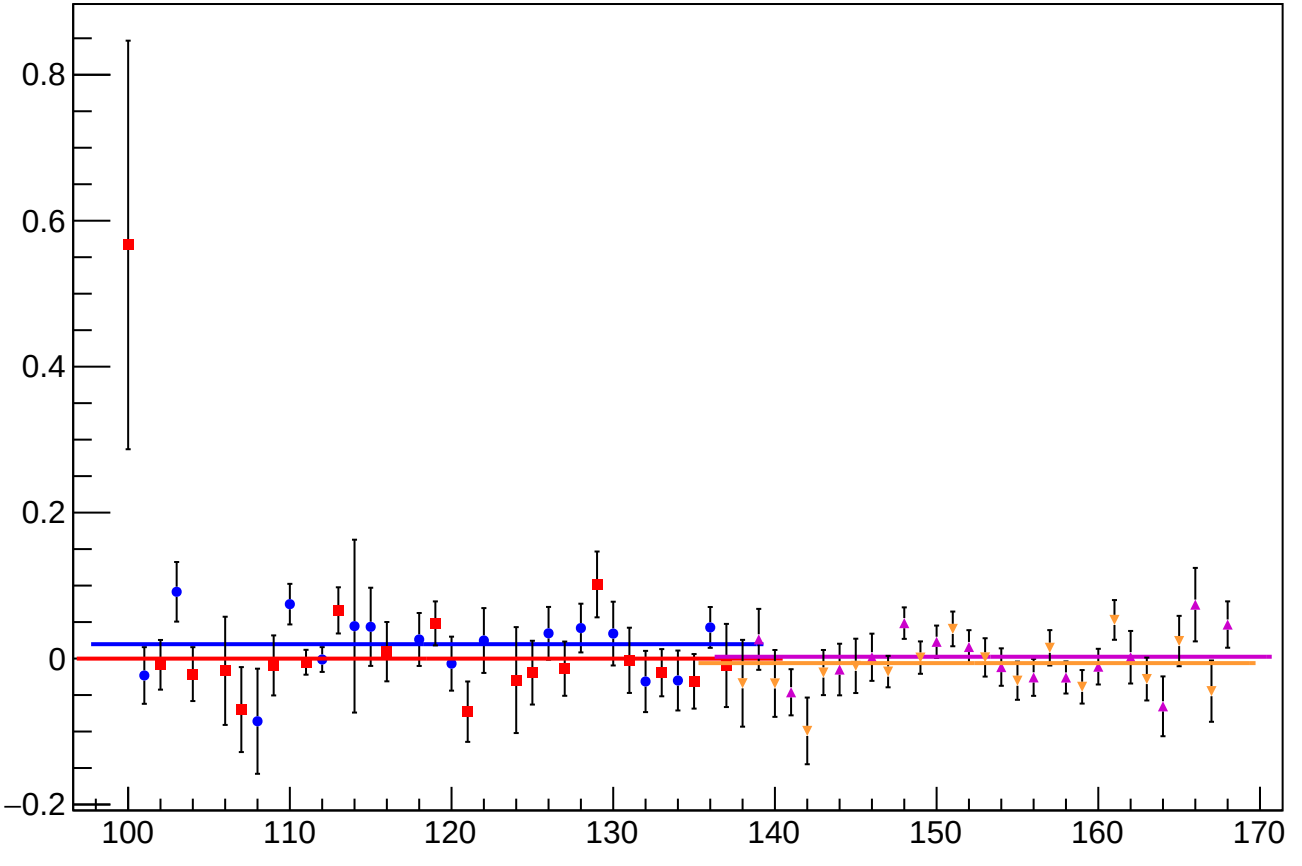
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.245+/-0.004 χ^2/NDF:2525892.6/30

Out: 23.108+/-0.004 χ^2/NDF:2634029.8/34

All: 23.175+/-0.003 χ^2/NDF: 5160539.6/65

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: -0.006+/-0.007 χ^2/NDF:19.8/15

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.007 χ^2/NDF:18.9/14

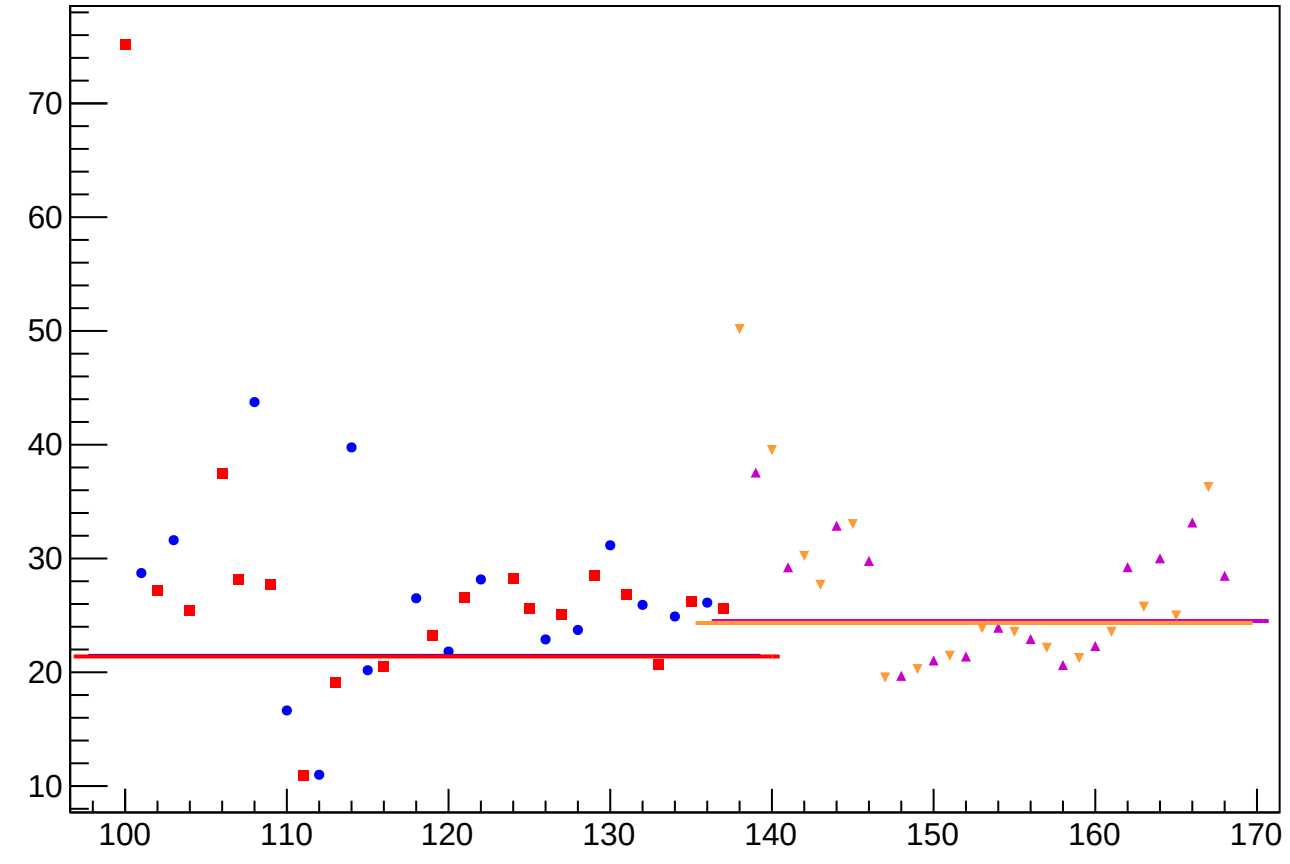
Left: -0.002+/-0.005 χ^2/NDF: 39.4/30

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:38.2/30

Out: -0.004+/-0.005 χ^2/NDF:42.9/34

All: 0.003+/-0.004 χ^2/NDF: 84.0/65



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.334+/-0.005 χ^2/NDF:1182033.9/15

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.506+/-0.005 χ^2/NDF:838654.0/14

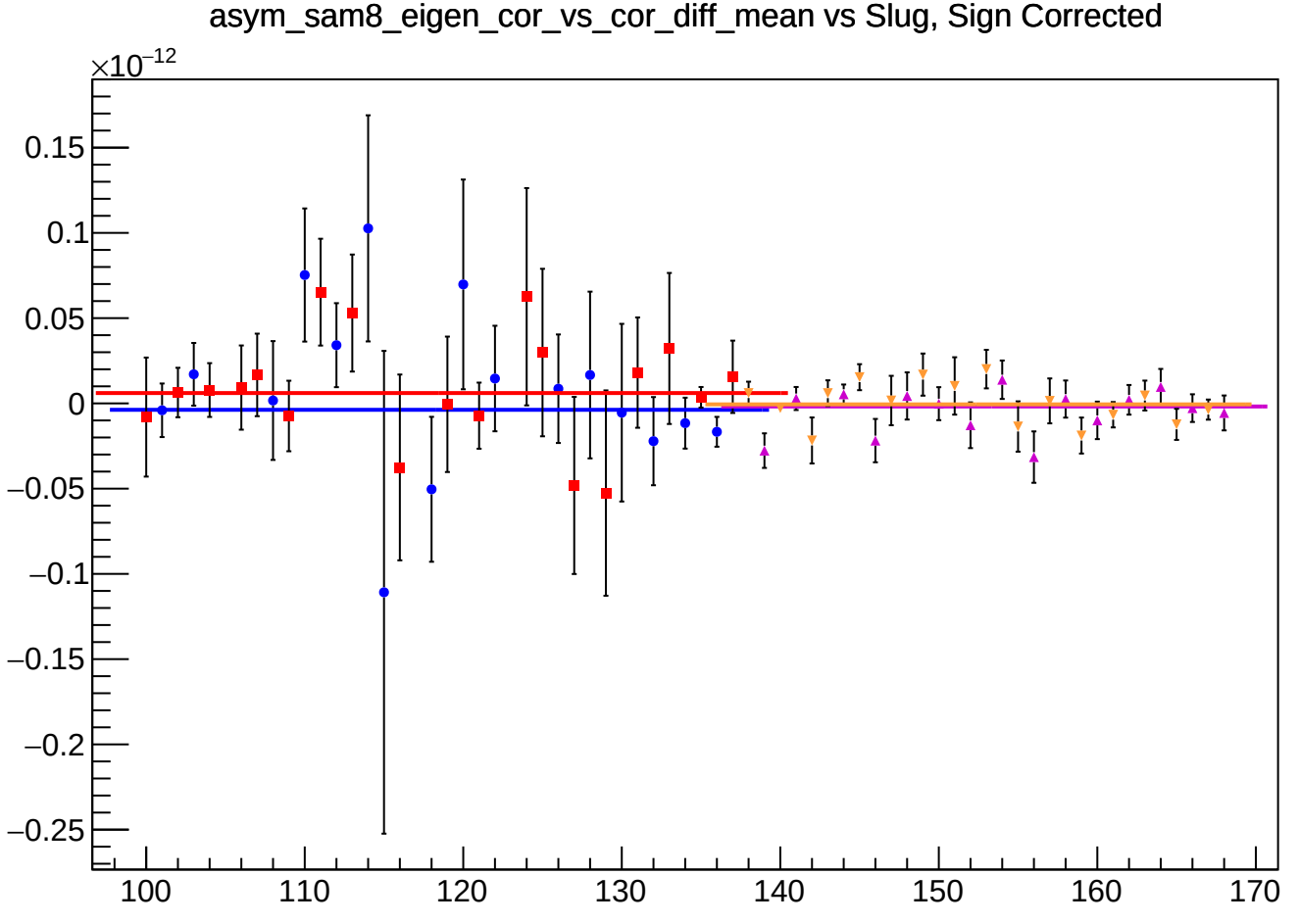
Left: 24.419+/-0.004 χ^2/NDF: 2021255.5/30

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.245+/-0.004 χ^2/NDF:2525892.6/30

Out: 23.108+/-0.004 χ^2/NDF:2634029.8/34

All: 23.175+/-0.003 χ^2/NDF: 5160539.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/14

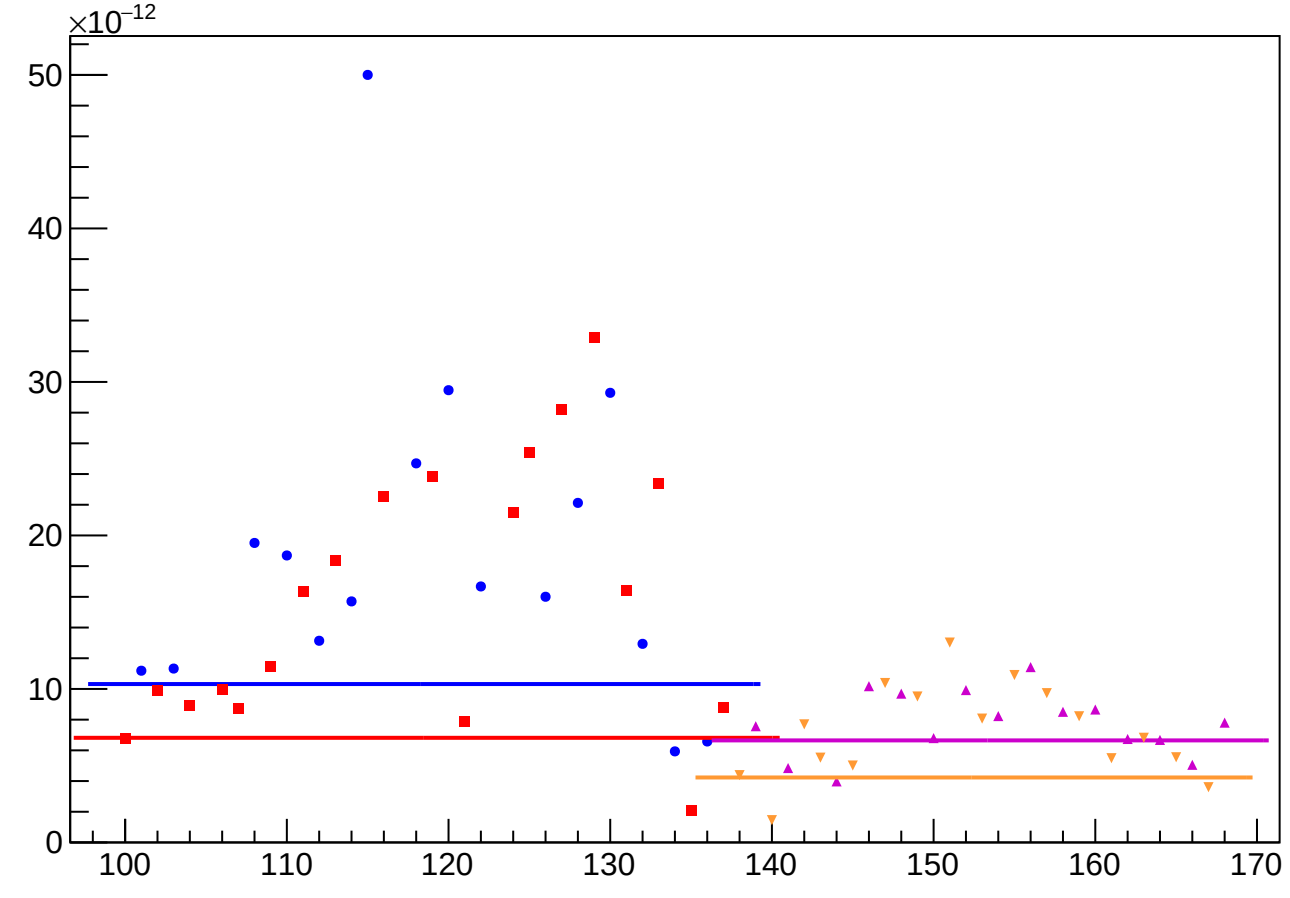
Left: -0.000+/-0.000 χ^2/NDF: 41.9/30

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:37.3/30

Out: 0.000+/-0.000 χ^2/NDF:35.0/34

All: -0.000+/-0.000 χ^2/NDF: 73.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4918839.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1433553.7/14

Left: 0.000+/-0.000 χ^2/NDF: 7593734.7/30

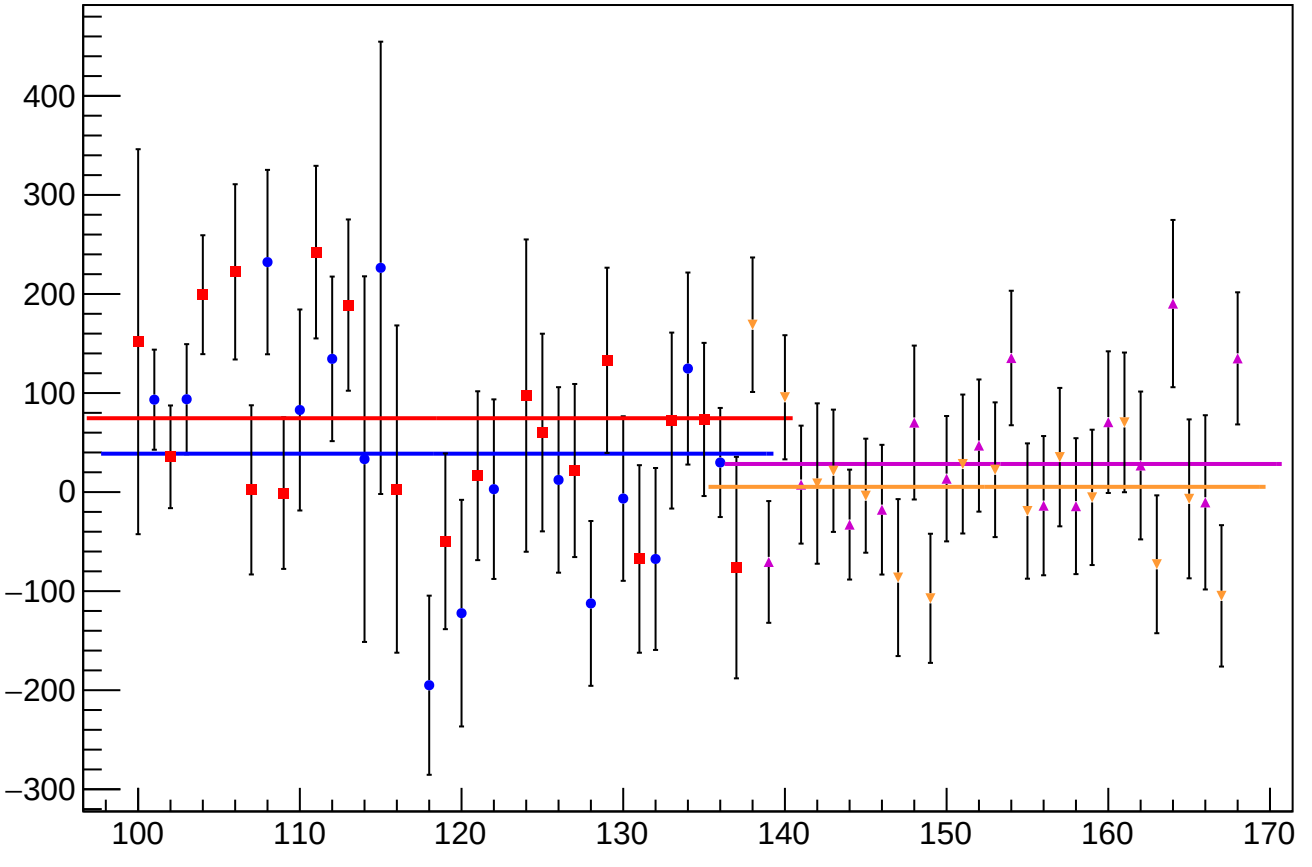
Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:4128155.9/30

Out: 0.000+/-0.000 χ^2/NDF:9543212.3/34

All: 0.000+/-0.000 χ^2/NDF: 15431425.3/65

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.311+/-17.162 χ^2/NDF:17.3/15

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 28.389+/-17.552 χ^2/NDF:14.9/14

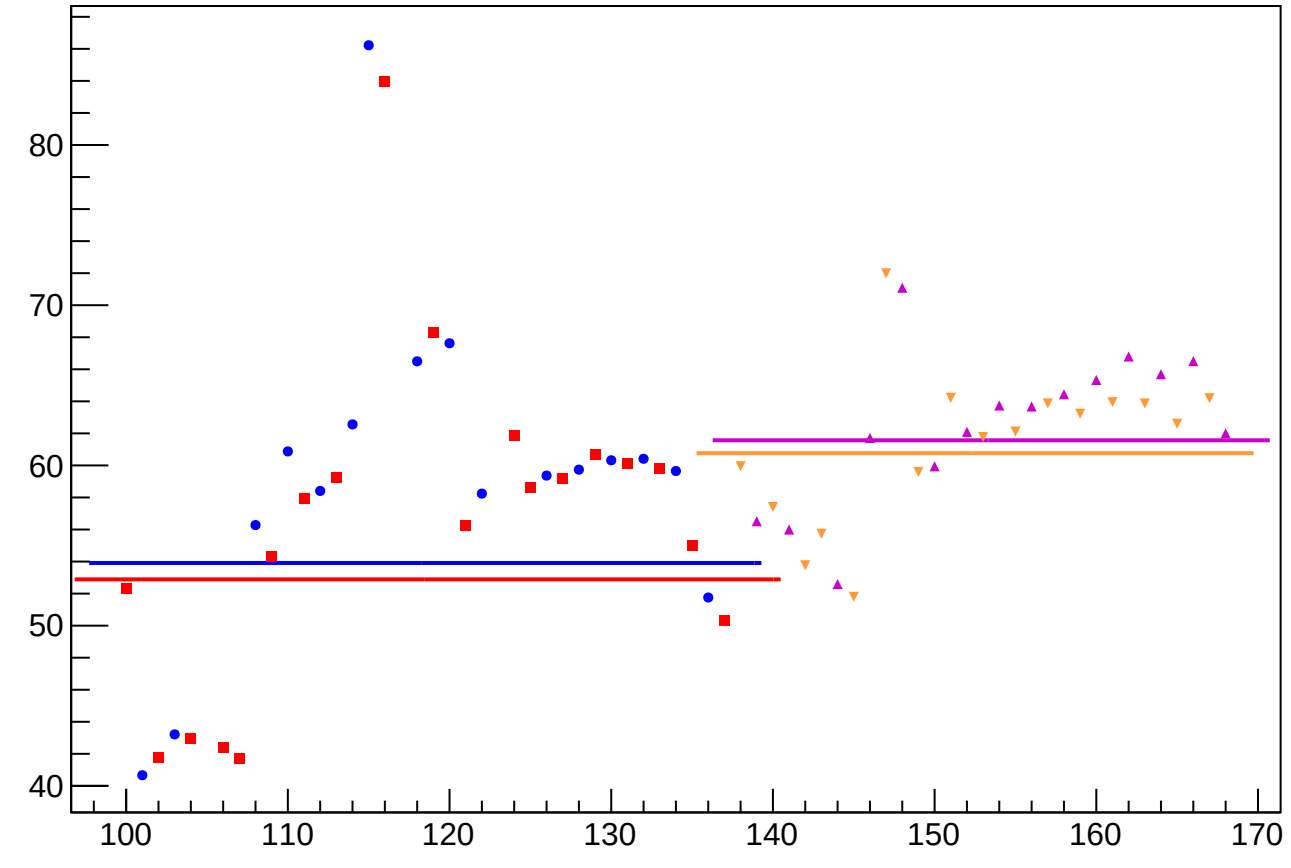
Left: 16.591+/-12.271 χ^2/NDF: 33.1/30

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 32.807+/-13.309 χ^2/NDF:38.3/30

Out: 35.024+/-12.969 χ^2/NDF:46.8/34

All: 33.944+/-9.288 χ^2/NDF: 85.1/65



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

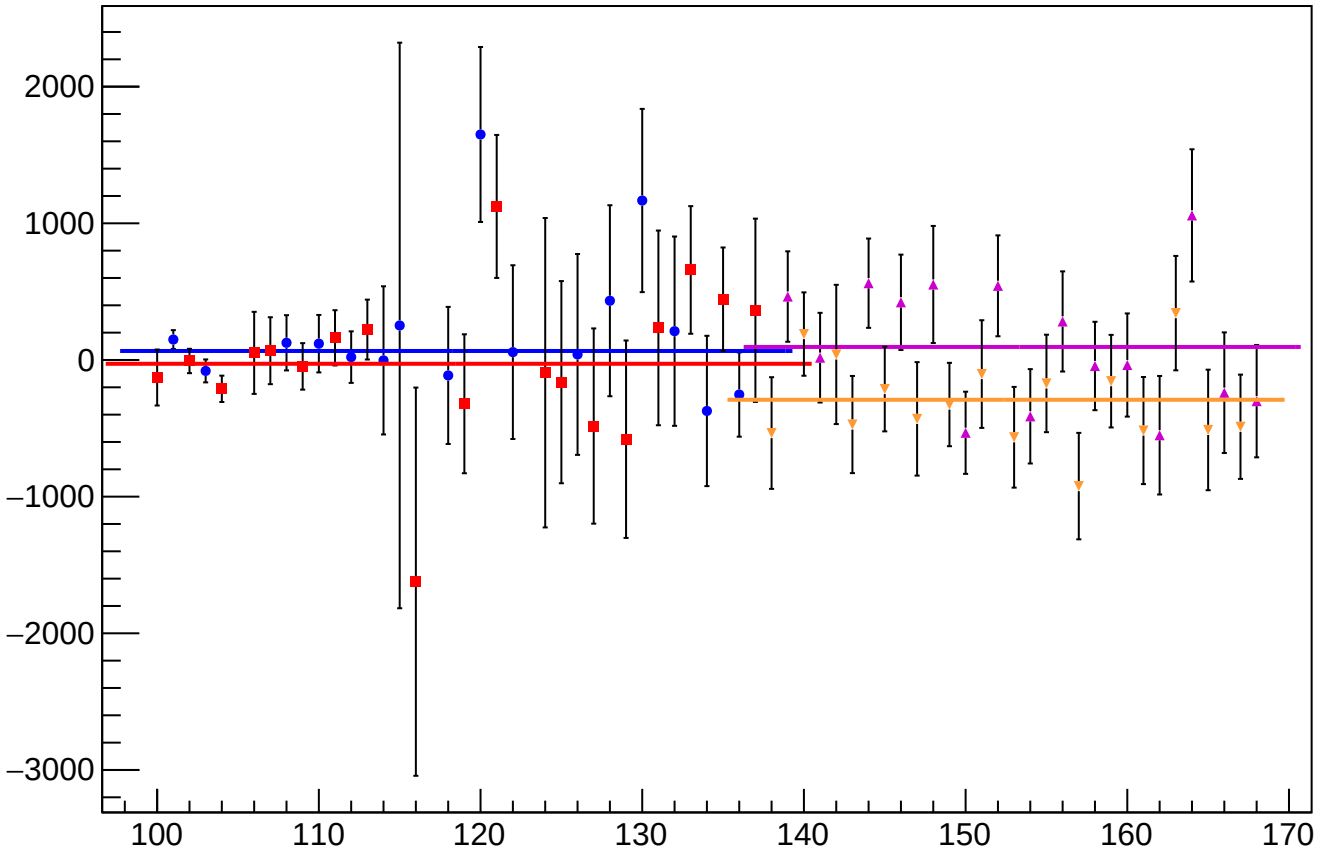
Left: 61.158+/-0.009 χ^2/NDF: 300801.6/30

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.314+/-0.009 χ^2/NDF:703781.8/30

Out: 57.386+/-0.009 χ^2/NDF:755808.5/34

All: 57.838+/-0.007 χ^2/NDF: 1464578.9/65



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -291.169+/-92.575 χ^2/NDF:10.5/15

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 95.310+/-94.106 χ^2/NDF:21.6/14

Left: -101.099+/-65.995 χ^2/NDF: 40.7/30

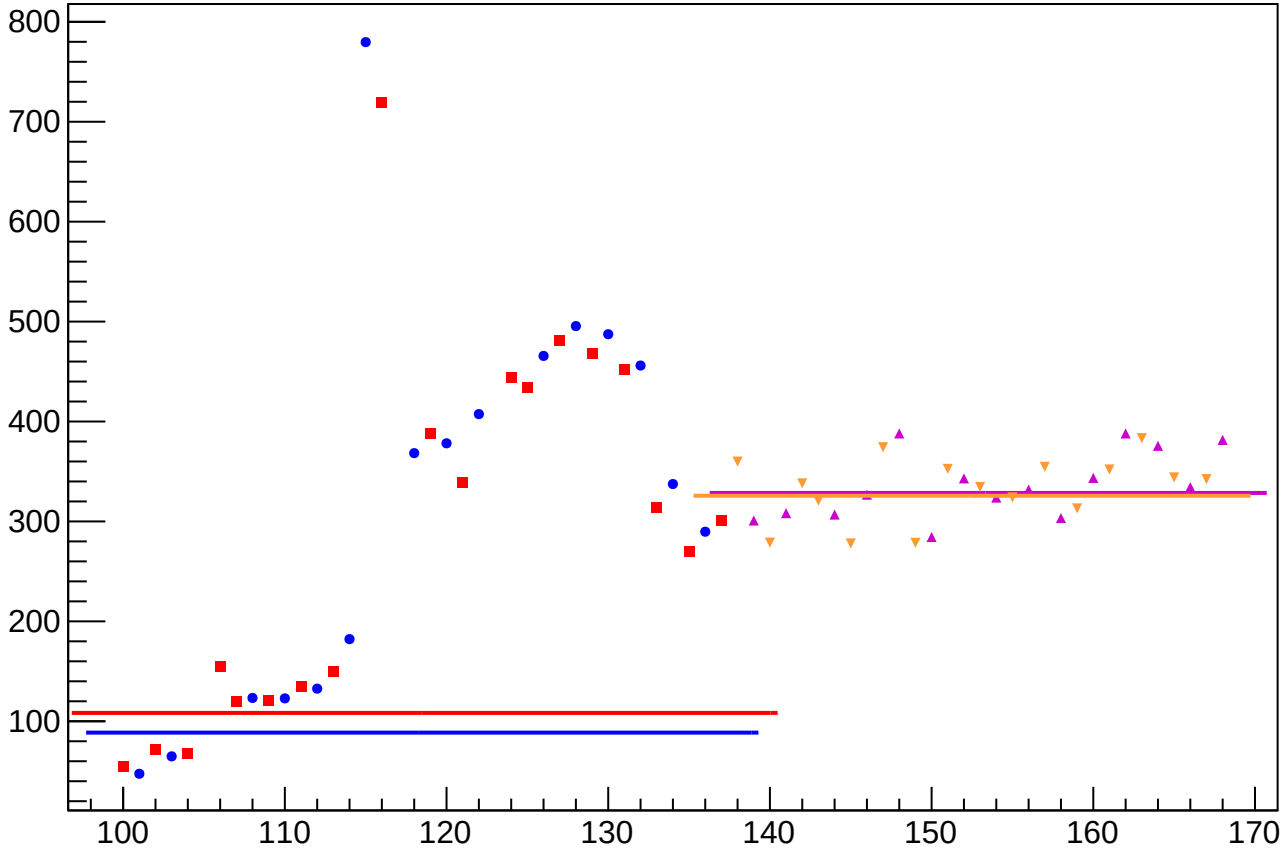
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 71.630+/-41.673 χ^2/NDF:37.4/30

Out: -87.853+/-44.191 χ^2/NDF:34.8/34

All: -3.438+/-30.318 χ^2/NDF: 79.1/65

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: 325.713+/-0.065 χ^2/NDF:263905.7/15

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 328.520+/-0.067 χ^2/NDF:221277.6/14

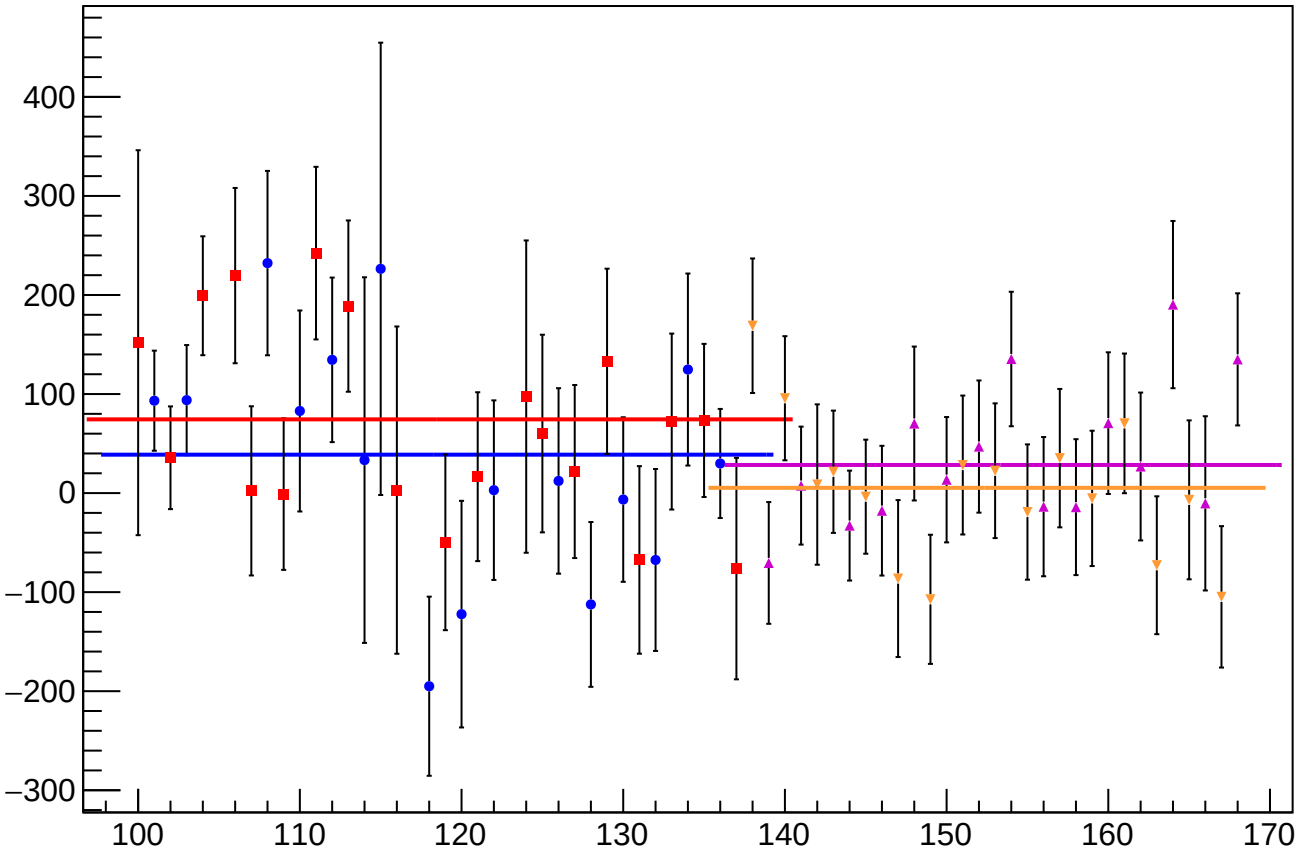
Left: 327.093+/-0.047 χ^2/NDF: 486087.6/30

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 135.694+/-0.029 χ^2/NDF:17314654.0/30

Out: 157.908+/-0.031 χ^2/NDF:14137444.4/34

All: 146.150+/-0.021 χ^2/NDF: 31719592.1/65



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.313+/-17.162 χ^2/NDF:17.3/15

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.387+/-17.552 χ^2/NDF:14.9/14

Left: 16.591+/-12.271 χ^2/NDF: 33.1/30

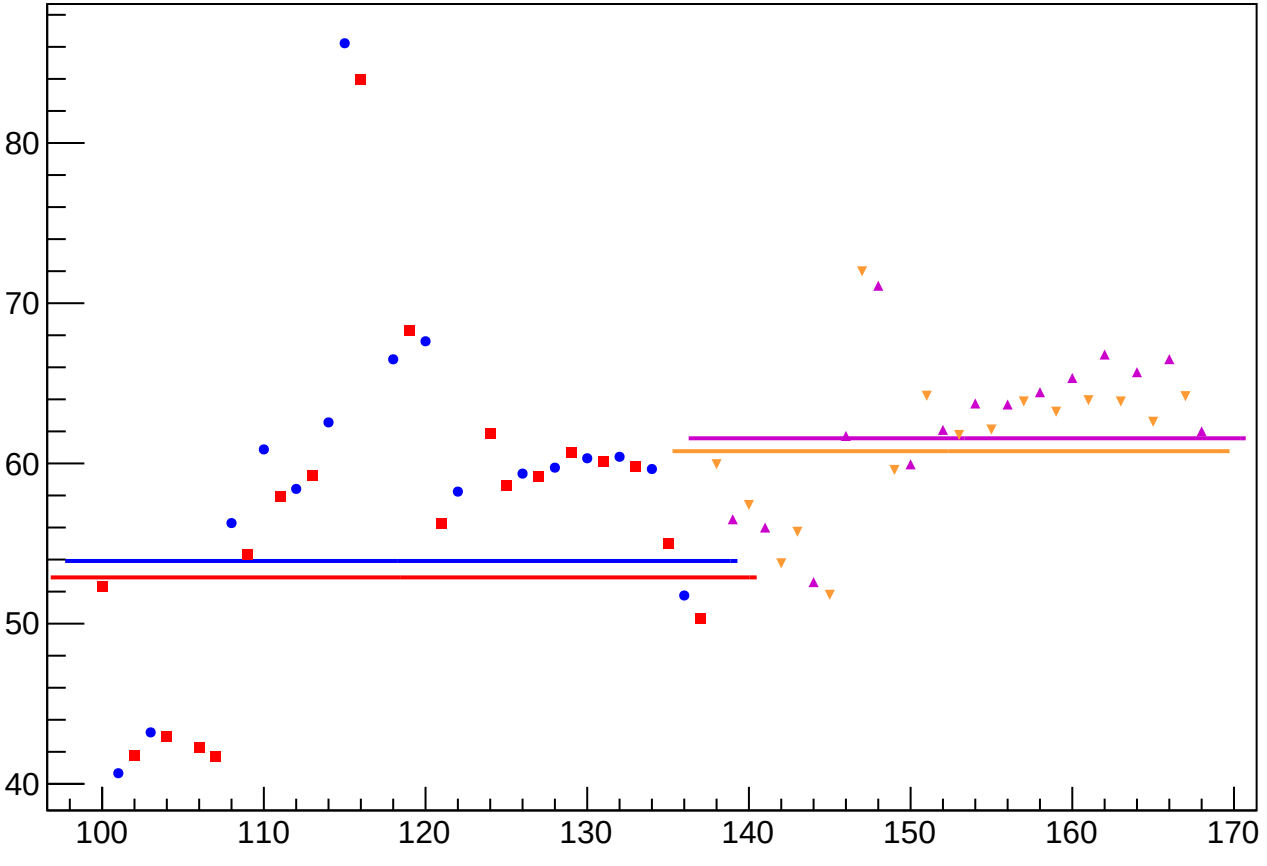
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.811+/-13.309 χ^2/NDF:38.3/30

Out: 34.964+/-12.970 χ^2/NDF:46.6/34

All: 33.915+/-9.288 χ^2/NDF: 85.0/65

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

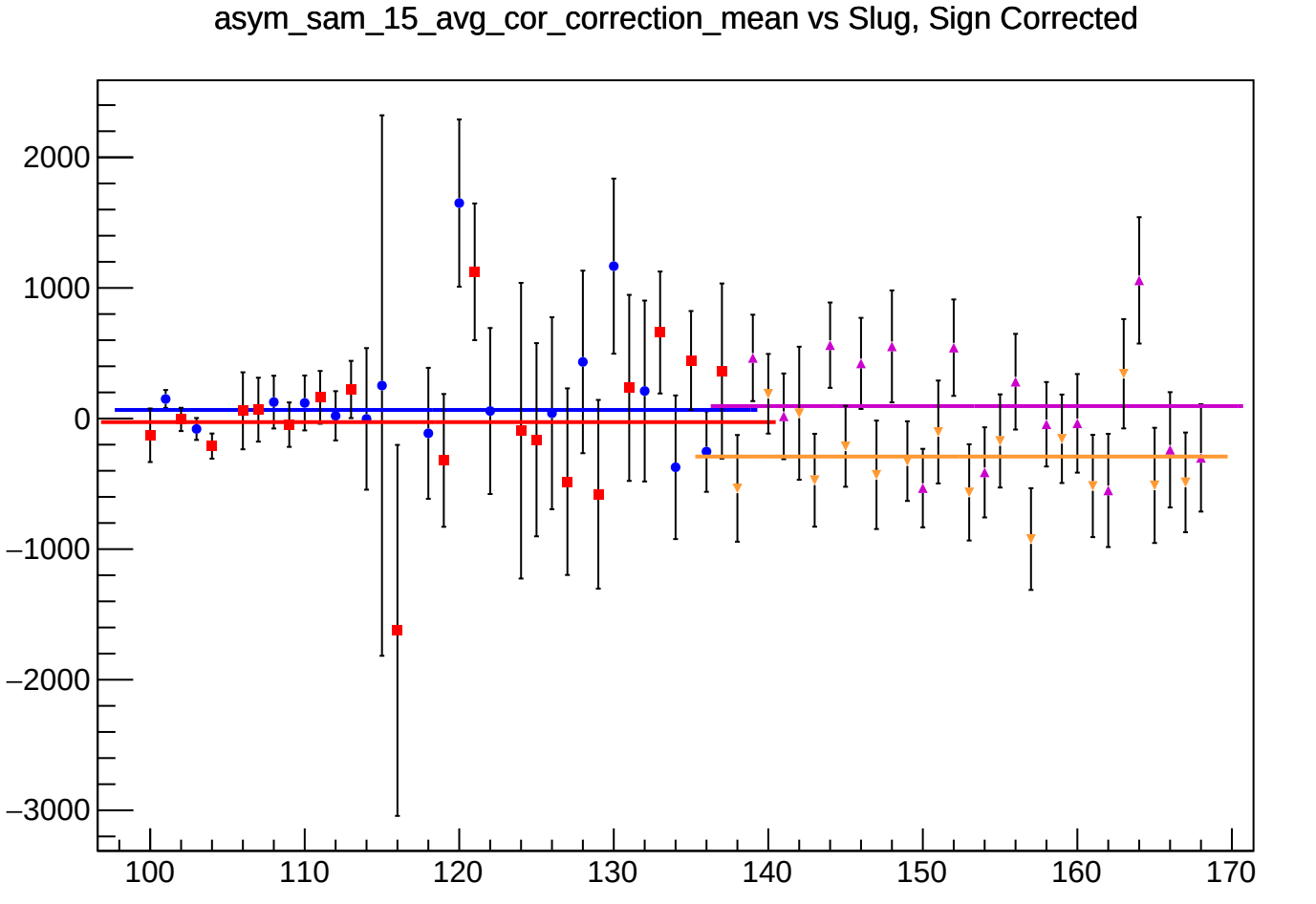
Left: 61.158+/-0.009 χ^2/NDF: 300801.6/30

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

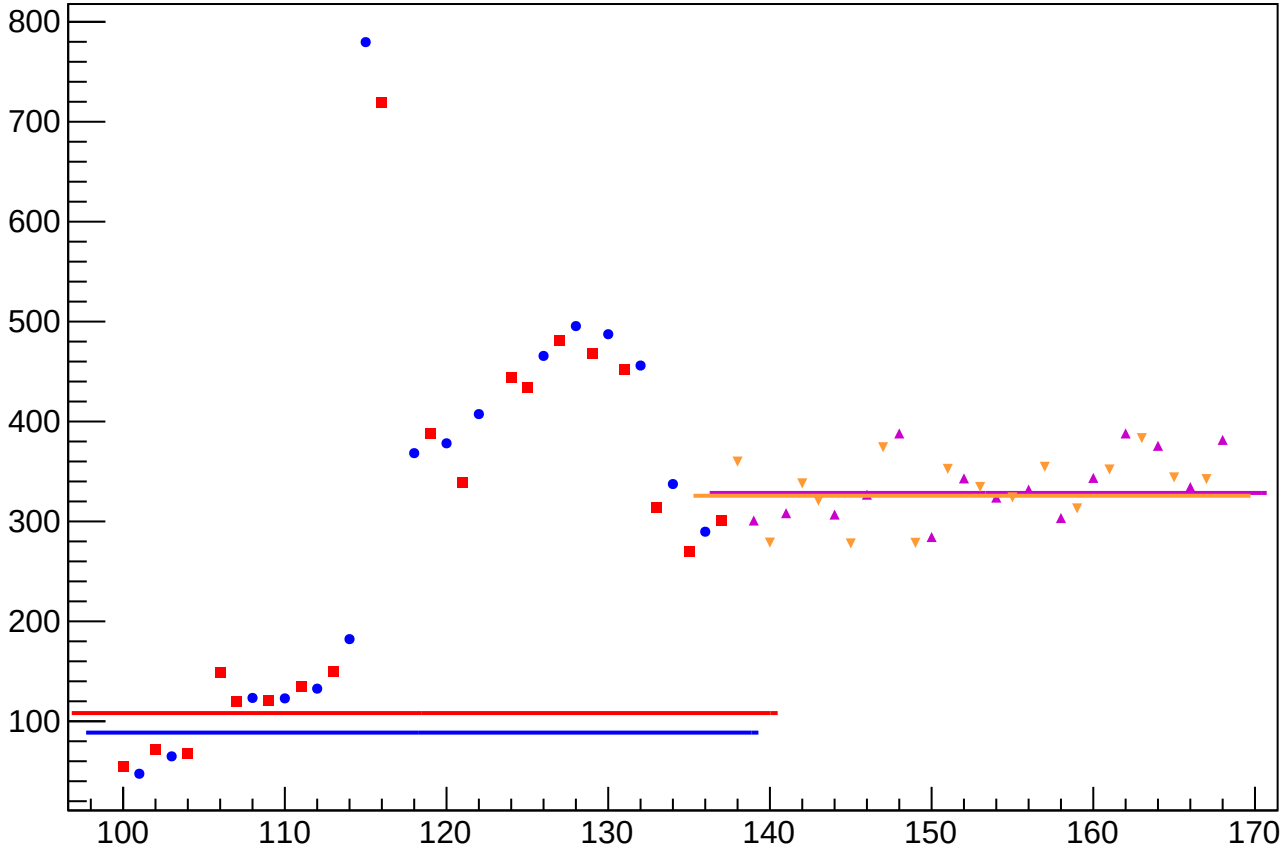
In: 58.314+/-0.009 χ^2/NDF:703780.9/30

Out: 57.386+/-0.009 χ^2/NDF:756204.4/34

All: 57.838+/-0.007 χ^2/NDF: 1464981.2/65


asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 65.857+/-46.477 χ²/NDF: 15.7/15
Left Out: -291.167+/-92.575 χ²/NDF:10.5/15
Right Out: -27.406+/-50.249 χ²/NDF: 18.0/18
Left In: 95.310+/-94.106 χ²/NDF:21.6/14
Left: -101.098+/-65.995 χ²/NDF: 40.7/30
Right: 22.856+/-34.120 χ²/NDF: 35.6/34
In: 71.632+/-41.672 χ²/NDF:37.4/30
Out: -87.430+/-44.162 χ²/NDF:34.8/34
All: -3.288+/-30.309 χ²/NDF: 79.1/65

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 328.520+/-0.067 χ^2/NDF:221282.9/14

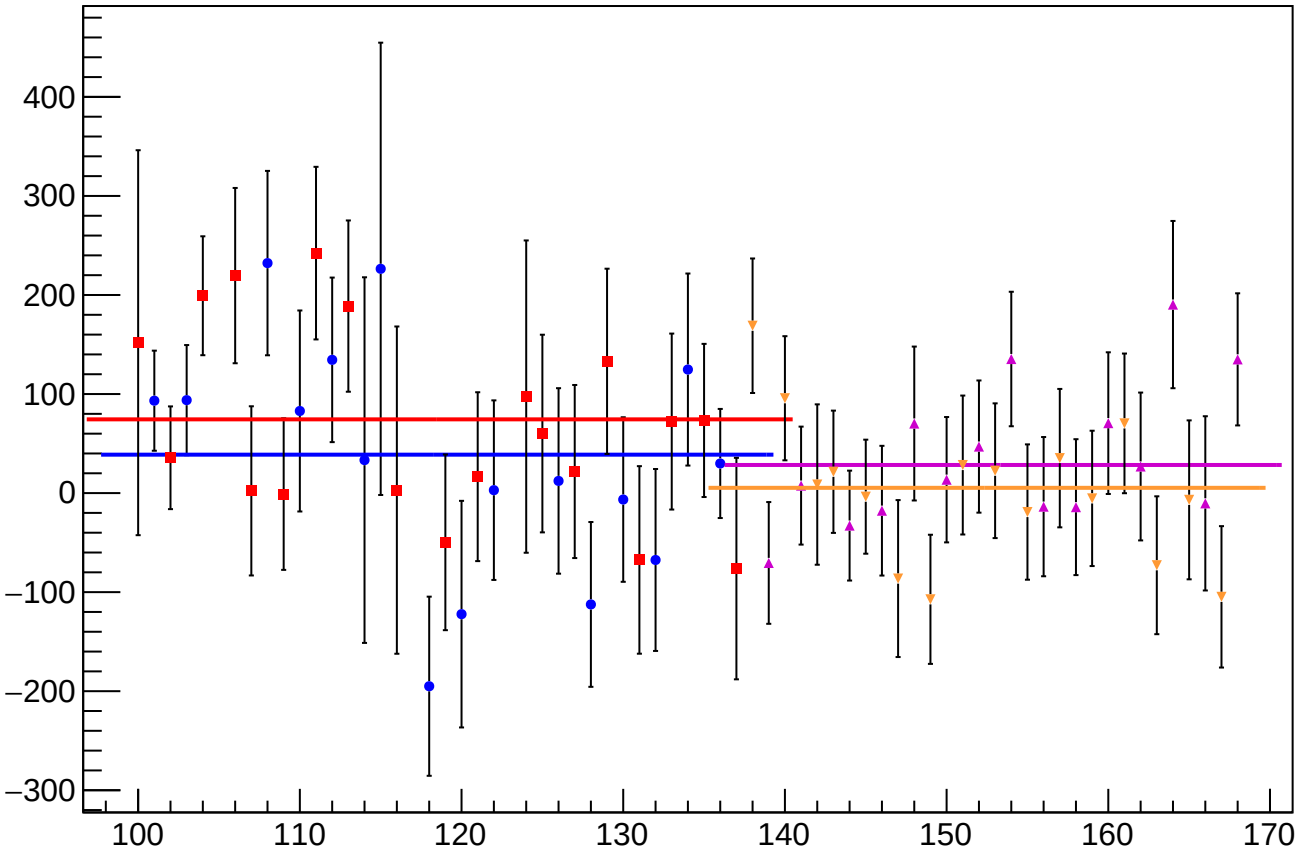
Left: 327.093+/-0.047 χ^2/NDF: 486091.6/30

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 135.690+/-0.029 χ^2/NDF:17315042.3/30

Out: 157.705+/-0.031 χ^2/NDF:14146765.6/34

All: 146.060+/-0.021 χ^2/NDF: 31724711.6/65



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 5.313+/-17.162 χ^2/NDF:17.3/15

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.387+/-17.552 χ^2/NDF:14.9/14

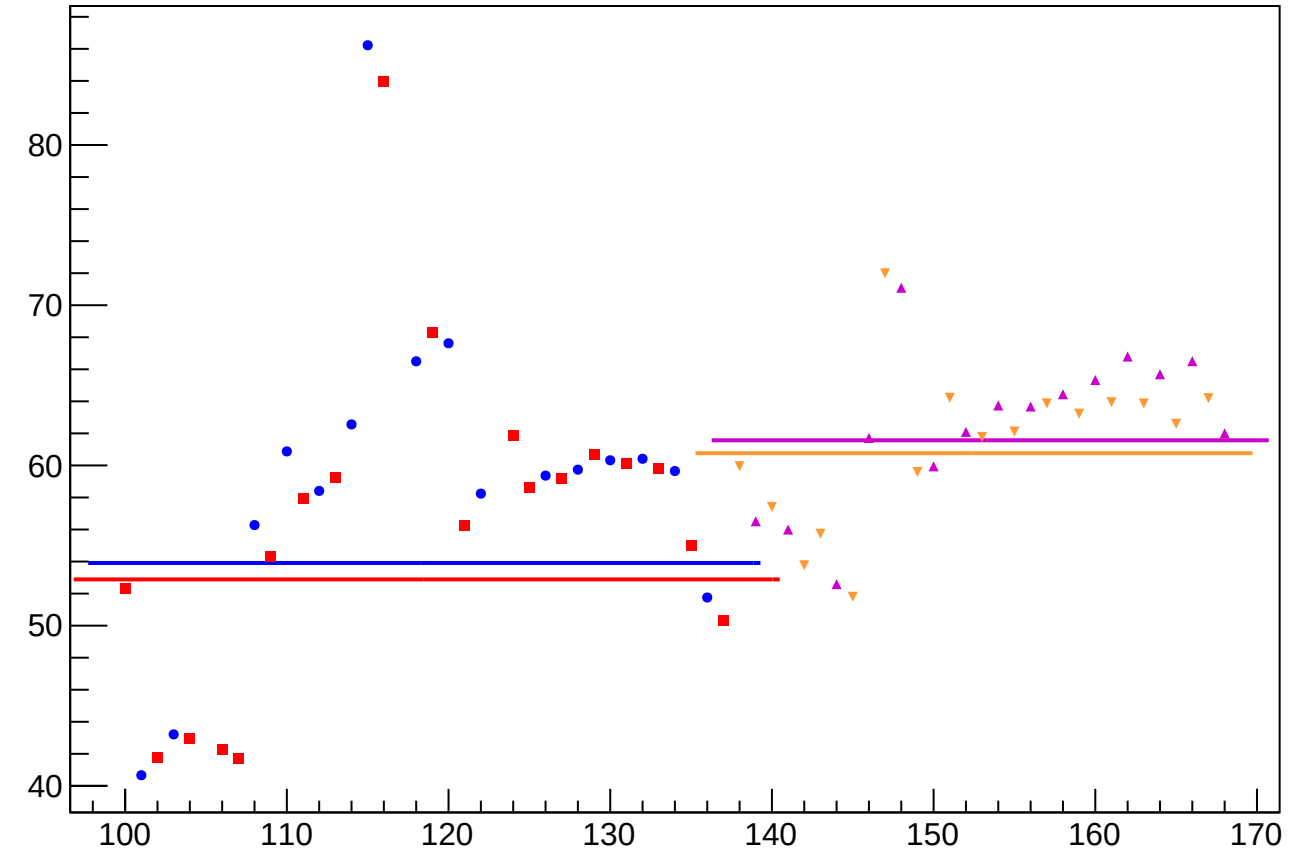
Left: 16.591+/-12.271 χ^2/NDF: 33.1/30

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.811+/-13.309 χ^2/NDF:38.3/30

Out: 34.964+/-12.970 χ^2/NDF:46.6/34

All: 33.915+/-9.288 χ^2/NDF: 85.0/65



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.765+/-0.012 χ^2/NDF:149915.6/15

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.569+/-0.012 χ^2/NDF:148738.8/14

Left: 61.158+/-0.009 χ^2/NDF: 300801.6/30

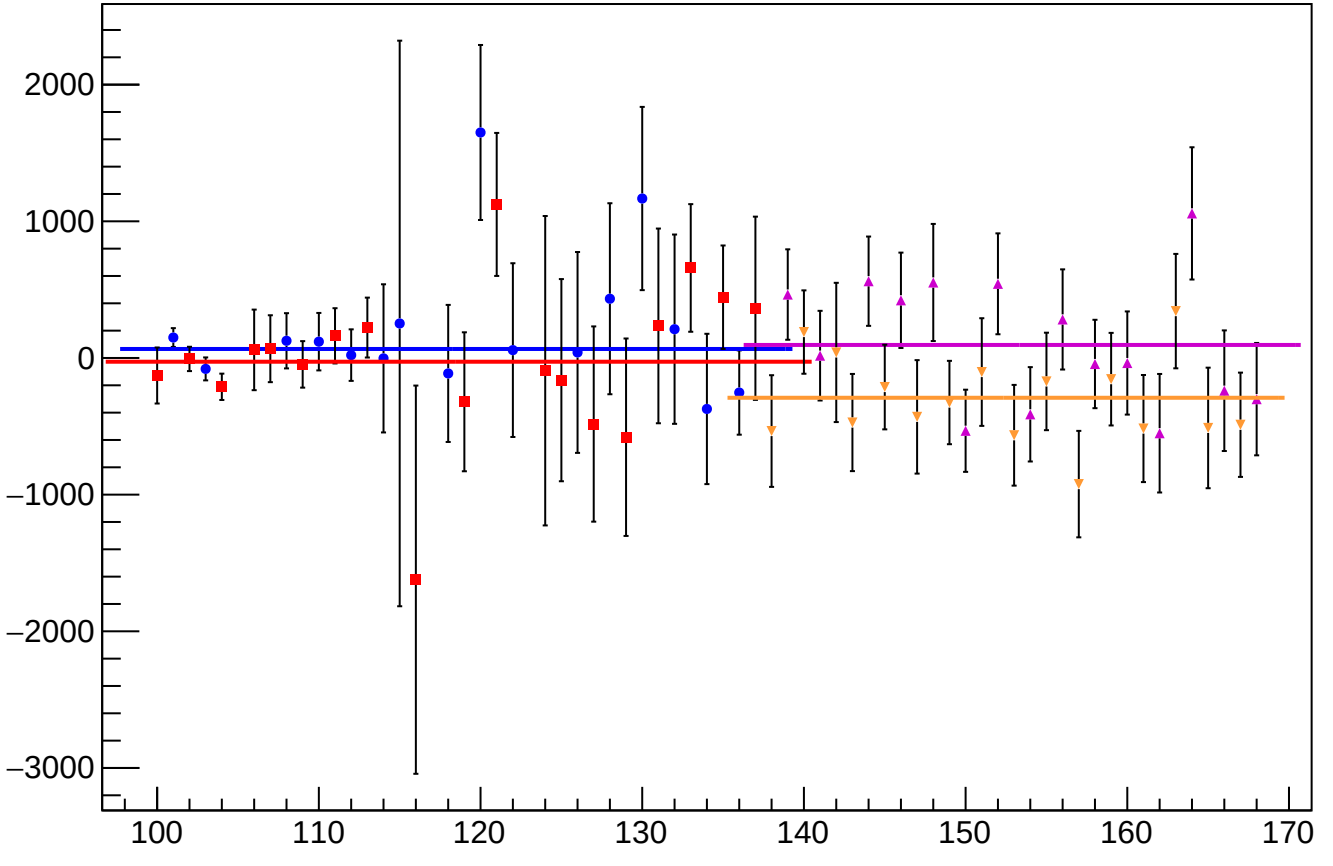
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.314+/-0.009 χ^2/NDF:703780.9/30

Out: 57.386+/-0.009 χ^2/NDF:756204.4/34

All: 57.838+/-0.007 χ^2/NDF: 1464981.2/65

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -291.167+/-92.575 χ^2/NDF:10.5/15

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 95.310+/-94.106 χ^2/NDF:21.6/14

Left: -101.098+/-65.995 χ^2/NDF: 40.7/30

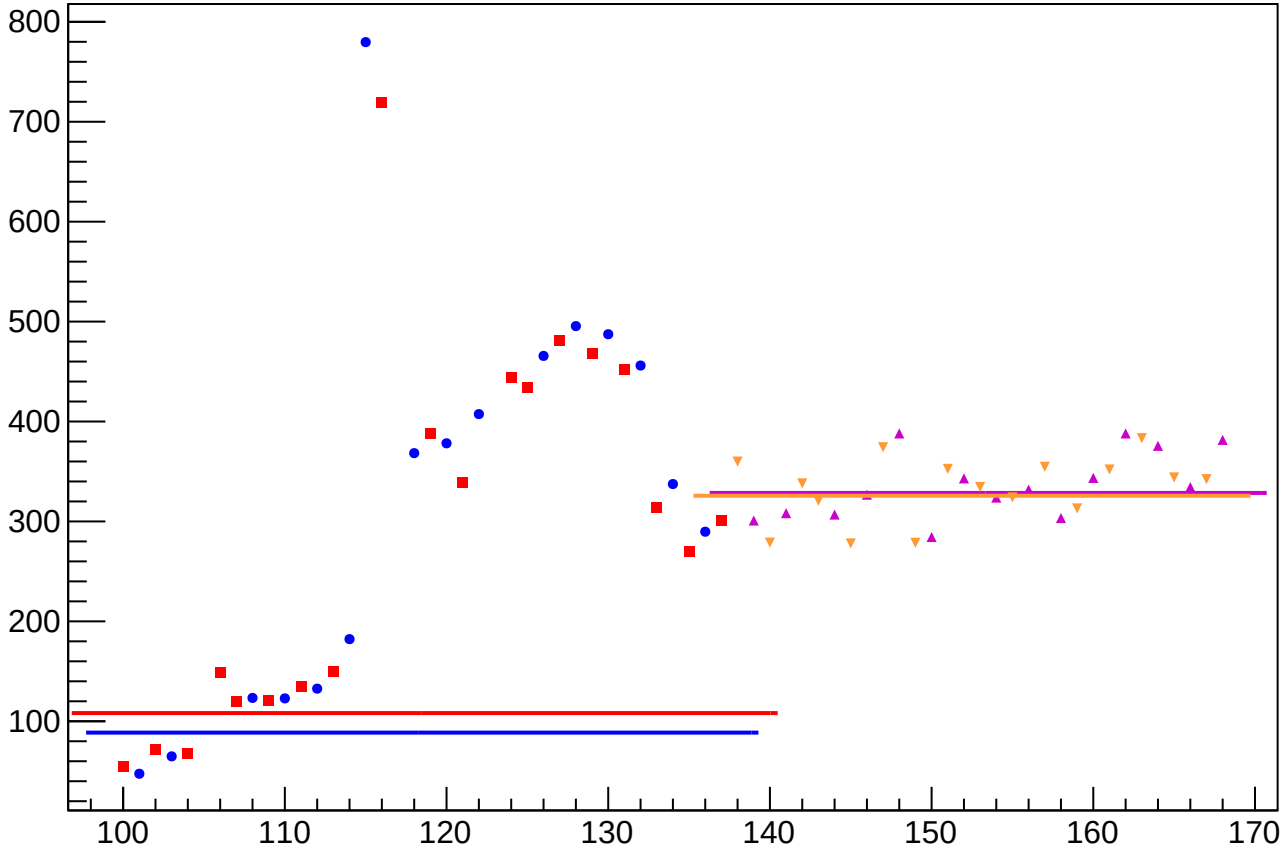
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 71.632+/-41.672 χ^2/NDF:37.4/30

Out: -87.430+/-44.162 χ^2/NDF:34.8/34

All: -3.288+/-30.309 χ^2/NDF: 79.1/65

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: 325.713+/-0.065 χ^2/NDF:263904.5/15

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 328.520+/-0.067 χ^2/NDF:221282.9/14

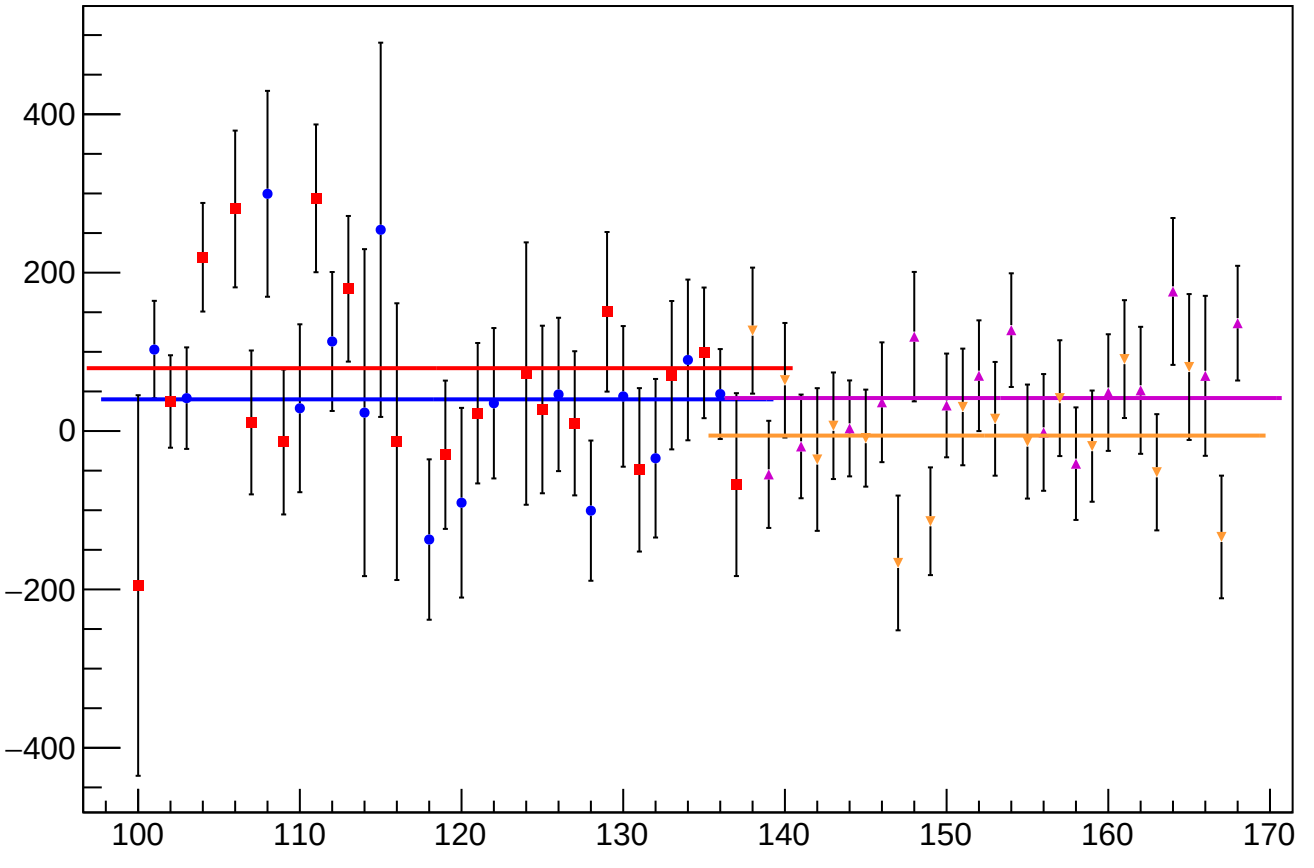
Left: 327.093+/-0.047 χ^2/NDF: 486091.6/30

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 135.690+/-0.029 χ^2/NDF:17315042.3/30

Out: 157.705+/-0.031 χ^2/NDF:14146765.6/34

All: 146.060+/-0.021 χ^2/NDF: 31724711.6/65



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 41.652+/-18.873 χ^2/NDF:11.4/14

Left: 17.467+/-13.207 χ^2/NDF: 31.1/30

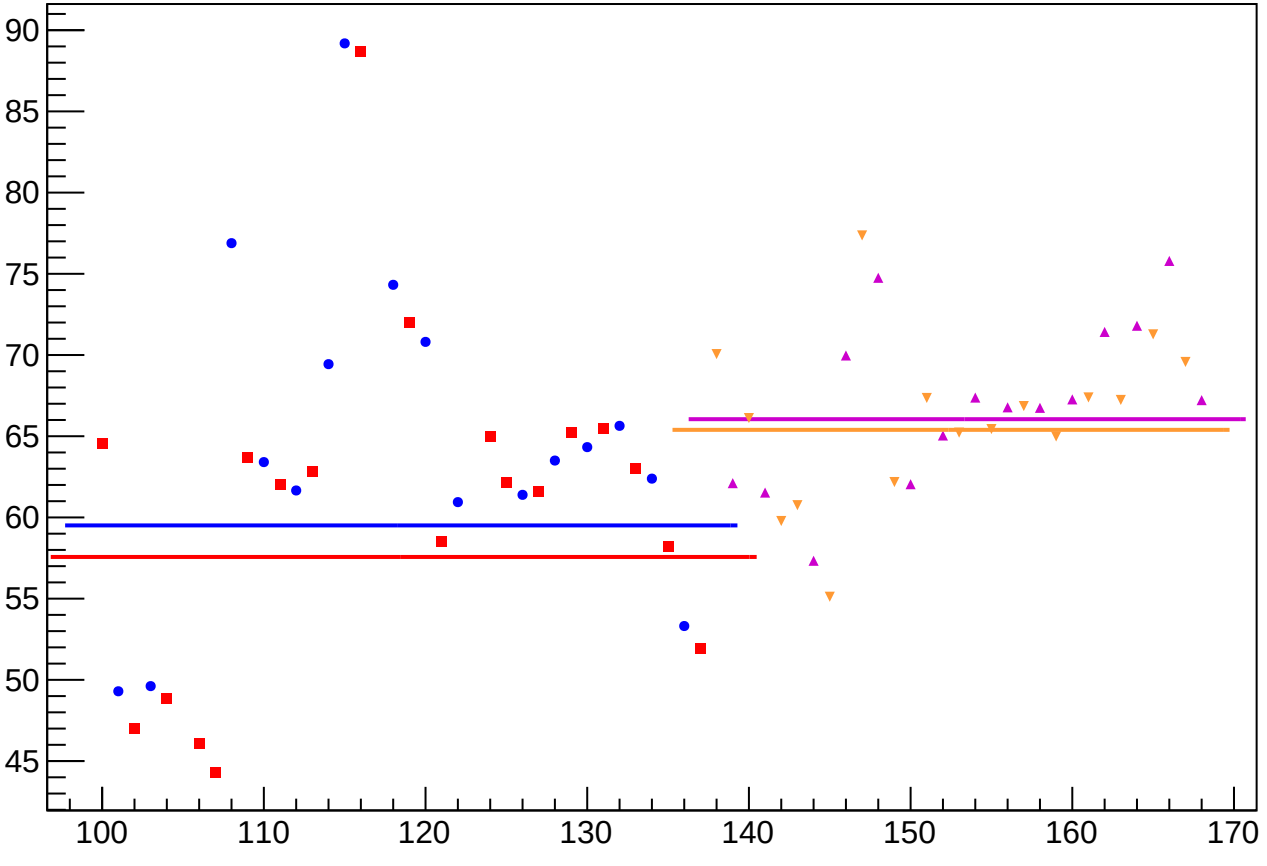
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 40.983+/-14.463 χ^2/NDF:25.6/30

Out: 30.294+/-14.039 χ^2/NDF:50.2/34

All: 35.479+/-10.074 χ^2/NDF: 76.1/65

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.393+/-0.013 χ^2/NDF:143628.3/15

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.049+/-0.013 χ^2/NDF:131110.0/14

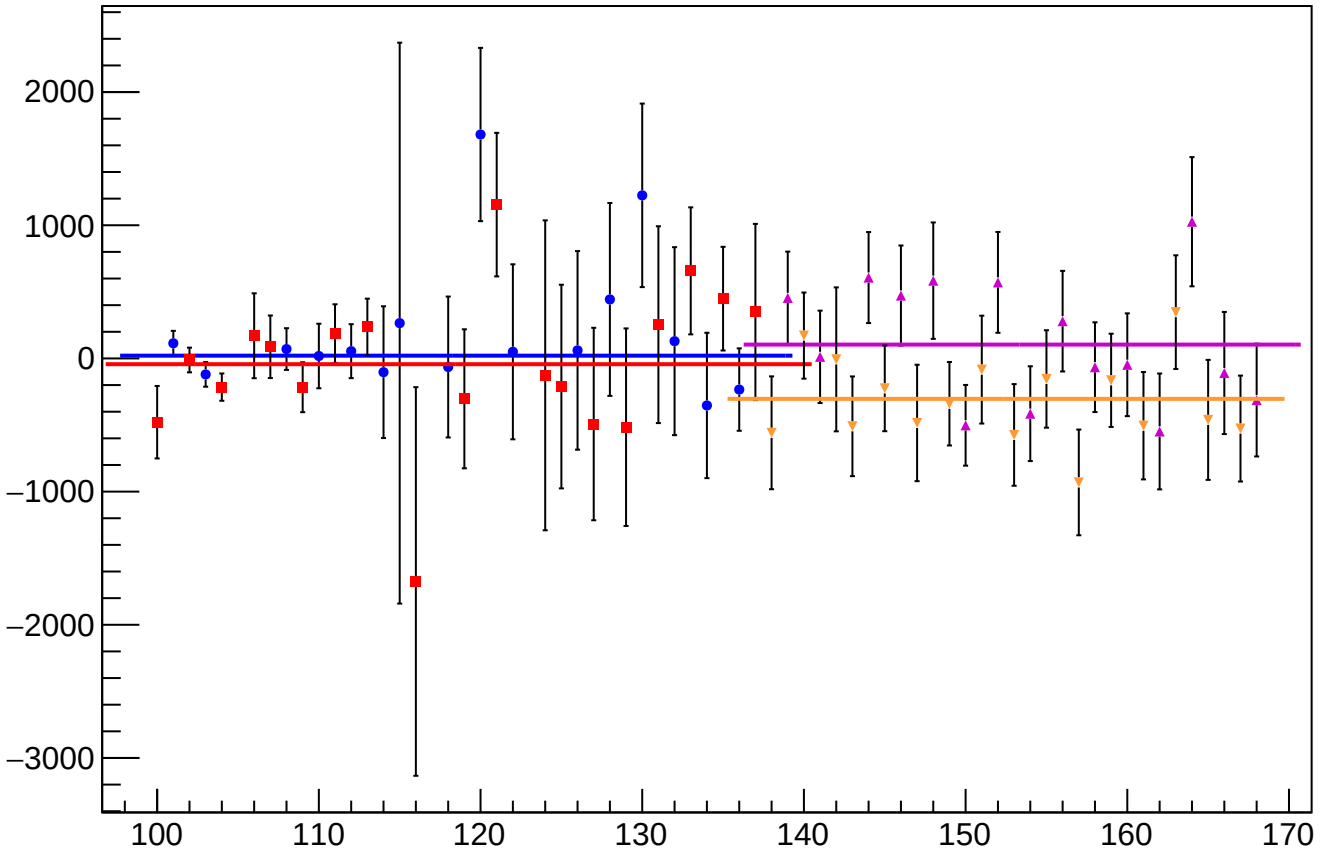
Left: 65.715+/-0.009 χ^2/NDF: 275972.2/30

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.350+/-0.010 χ^2/NDF:513435.9/30

Out: 62.080+/-0.010 χ^2/NDF:642739.2/34

All: 62.696+/-0.007 χ^2/NDF: 1164118.3/65



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 103.964+/-97.299 χ^2/NDF:20.7/14

Left: -102.569+/-68.322 χ^2/NDF: 39.6/30

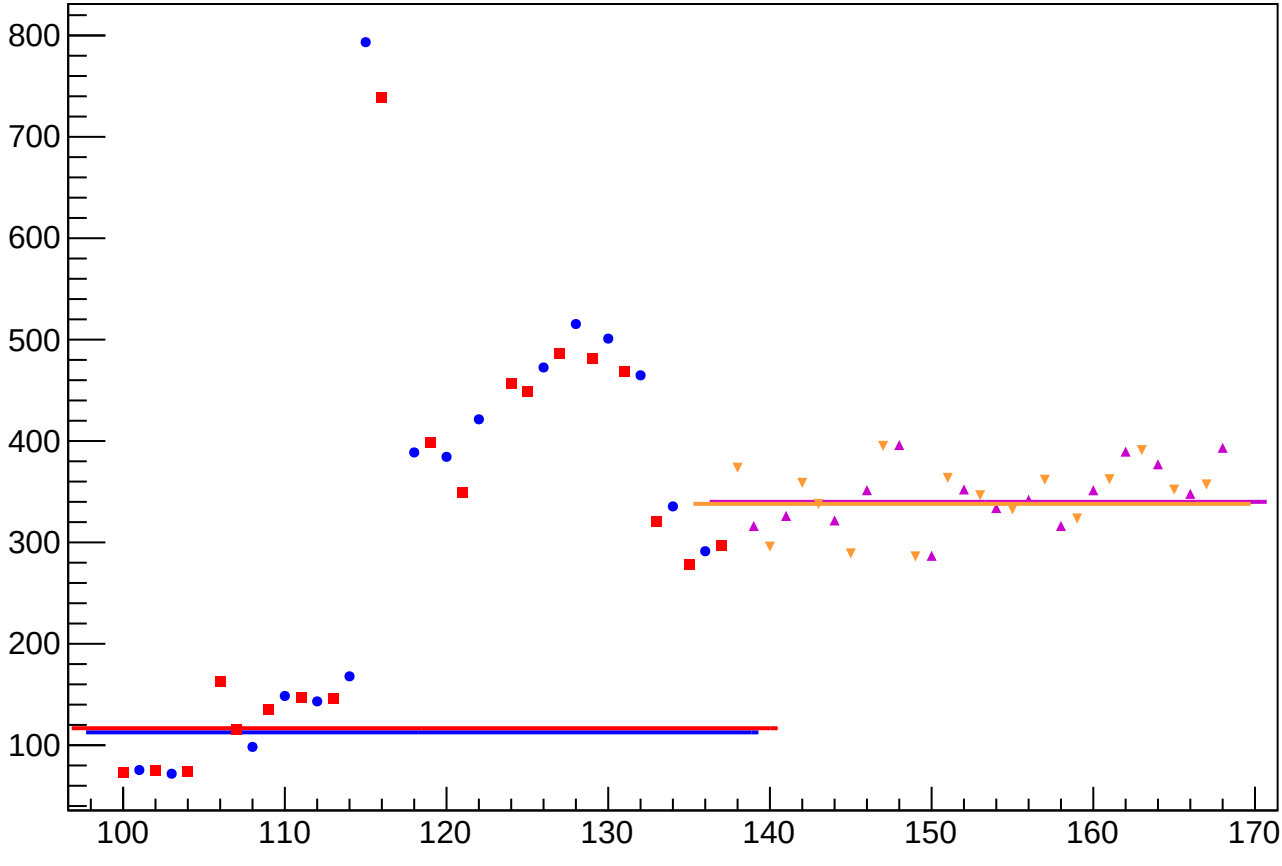
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 40.184+/-46.938 χ^2/NDF:35.9/30

Out: -104.451+/-46.535 χ^2/NDF:37.1/34

All: -32.757+/-33.047 χ^2/NDF: 77.9/65

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: 338.029+/-0.068 χ^2/NDF:250768.5/15

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 340.009+/-0.069 χ^2/NDF:199100.4/14

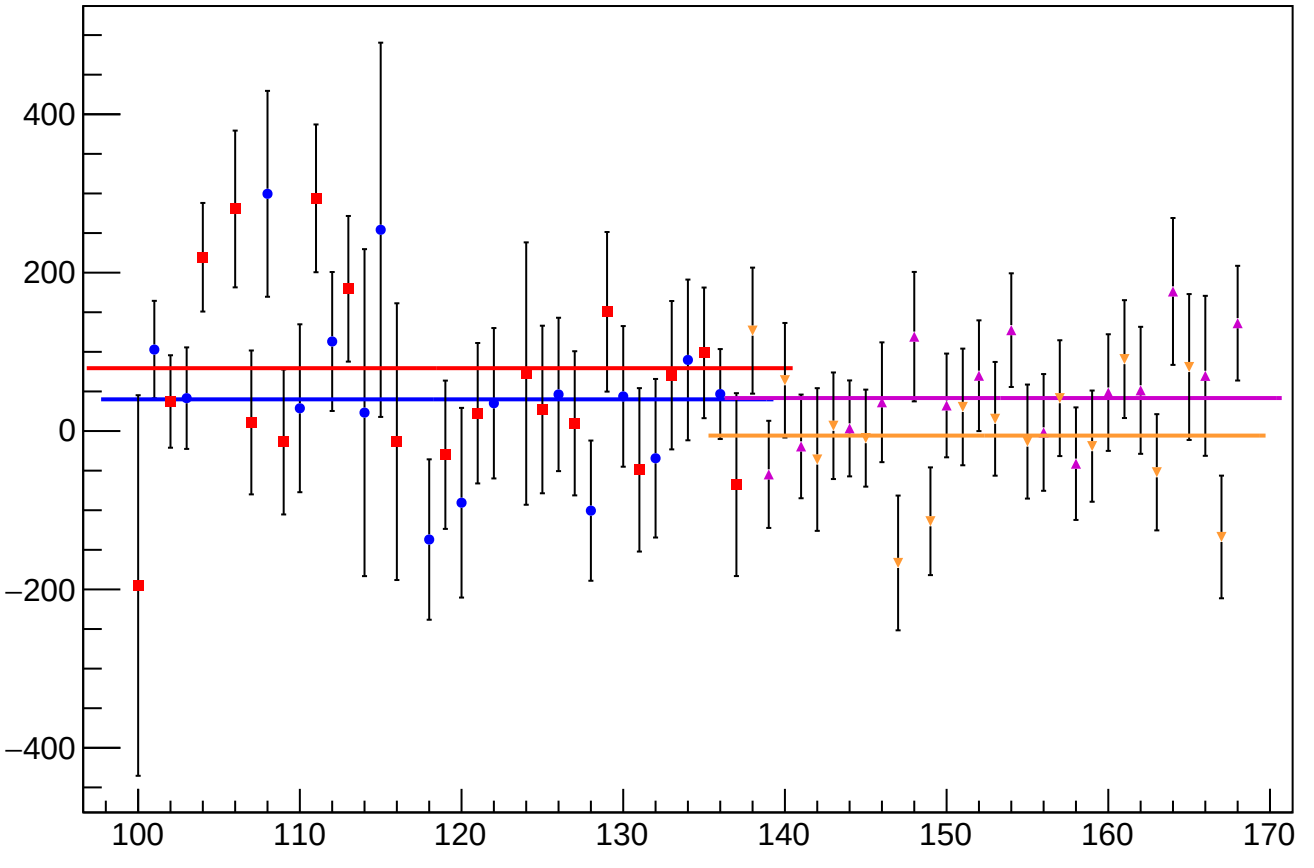
Left: 339.006+/-0.048 χ^2/NDF: 450289.0/30

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 165.574+/-0.033 χ^2/NDF:14176437.0/30

Out: 168.775+/-0.033 χ^2/NDF:13527399.6/34

All: 167.188+/-0.023 χ^2/NDF: 27708527.3/65



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -5.741+/-18.488 χ^2/NDF:16.4/15

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 41.653+/-18.873 χ^2/NDF:11.4/14

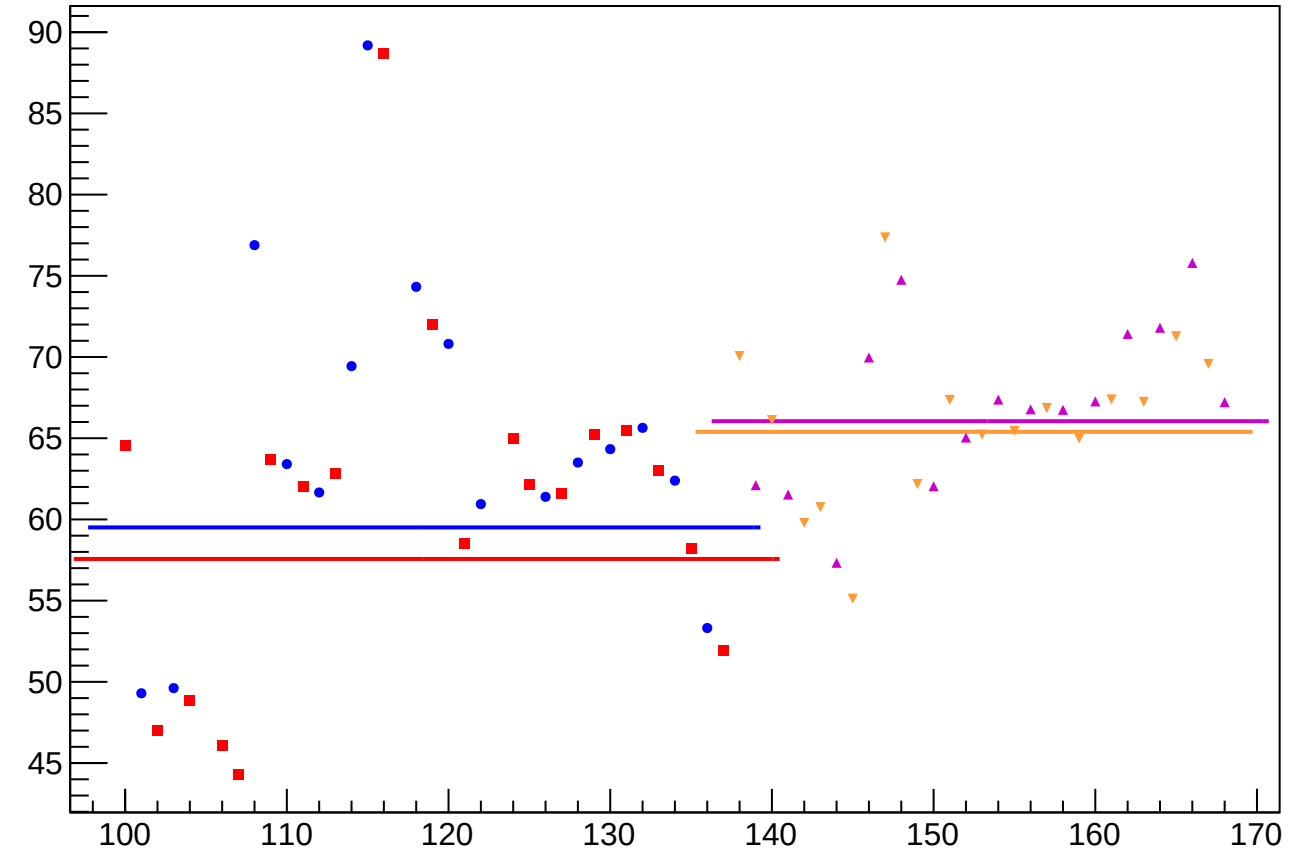
Left: 17.468+/-13.207 χ^2/NDF: 31.1/30

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 40.983+/-14.463 χ^2/NDF:25.6/30

Out: 30.294+/-14.039 χ^2/NDF:50.2/34

All: 35.480+/-10.074 χ^2/NDF: 76.1/65



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.393+/-0.013 χ^2/NDF:143630.8/15

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.050+/-0.013 χ^2/NDF:131106.0/14

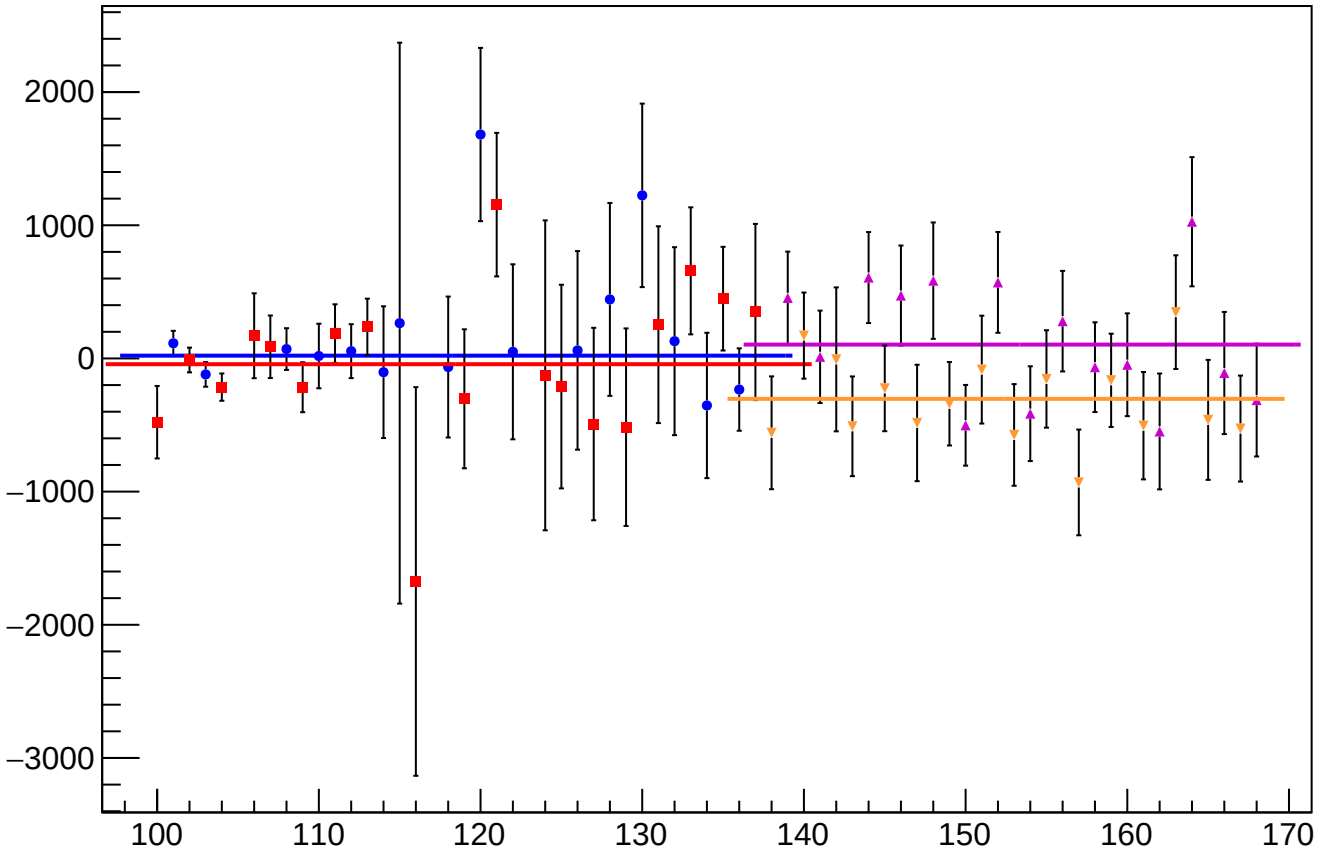
Left: 65.715+/-0.009 χ^2/NDF: 275970.8/30

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.350+/-0.010 χ^2/NDF:513436.5/30

Out: 62.080+/-0.010 χ^2/NDF:642745.1/34

All: 62.696+/-0.007 χ^2/NDF: 1164125.0/65



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -303.453+/-95.959 χ^2/NDF:10.0/15

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 103.964+/-97.299 χ^2/NDF:20.7/14

Left: -102.569+/-68.322 χ^2/NDF: 39.6/30

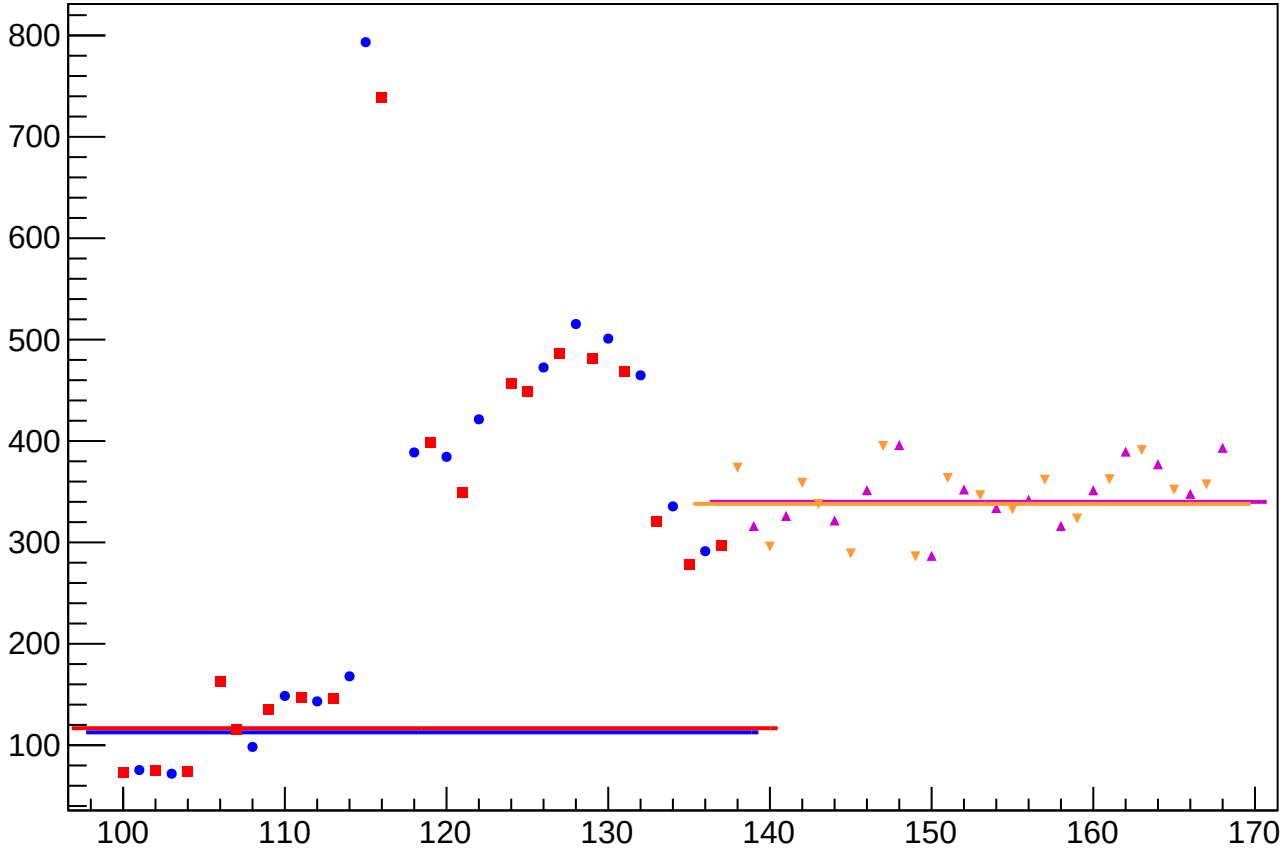
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 40.184+/-46.938 χ^2/NDF:35.9/30

Out: -104.450+/-46.535 χ^2/NDF:37.1/34

All: -32.757+/-33.047 χ^2/NDF: 77.9/65

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: 338.030+/-0.068 χ^2/NDF:250766.6/15

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 340.010+/-0.069 χ^2/NDF:199095.5/14

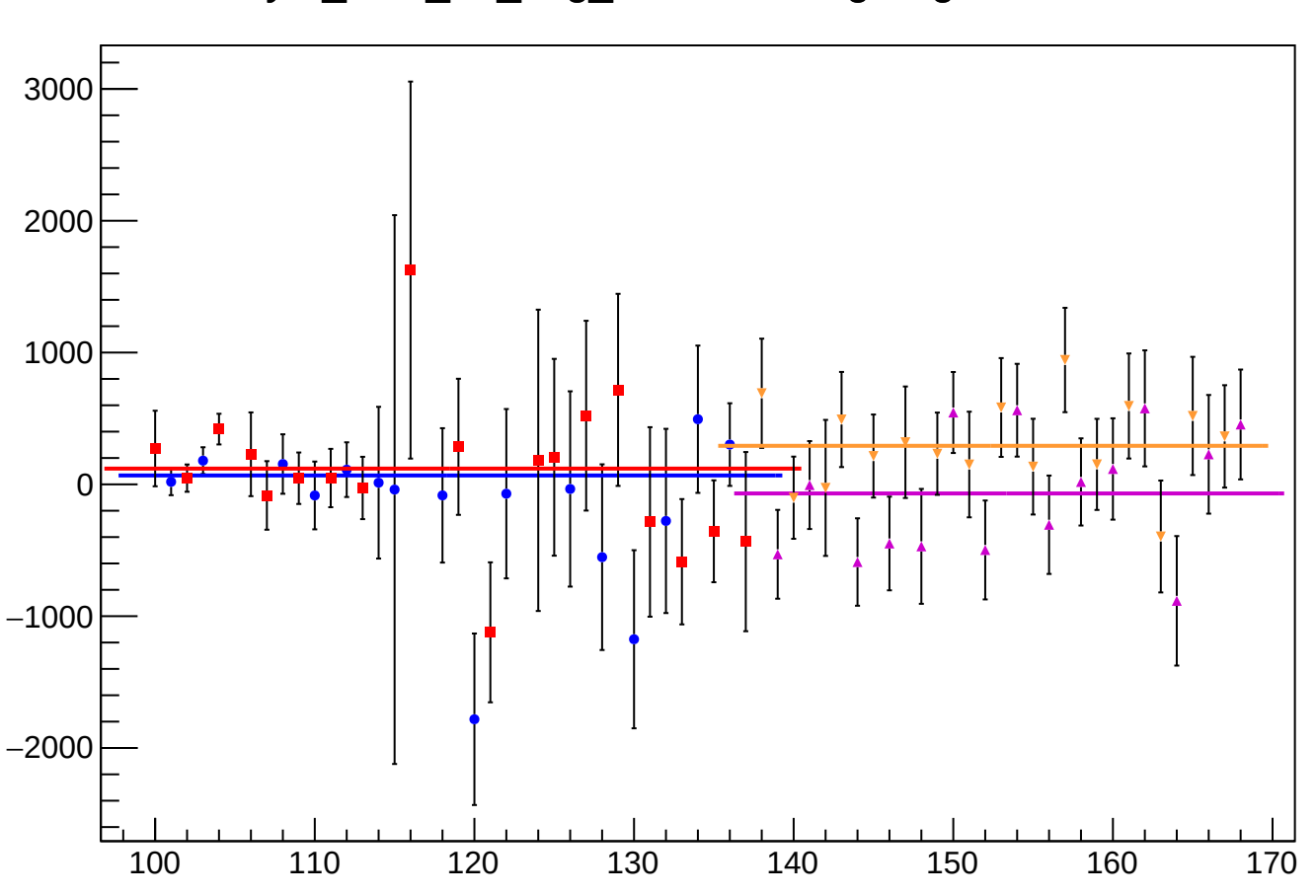
Left: 339.006+/-0.048 χ^2/NDF: 450282.0/30

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 165.574+/-0.033 χ^2/NDF:14176477.0/30

Out: 168.775+/-0.033 χ^2/NDF:13527461.8/34

All: 167.188+/-0.023 χ^2/NDF: 27708629.1/65



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 292.487+/-94.231 χ^2/NDF:10.6/15

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -68.893+/-95.807 χ^2/NDF:22.5/14

Left: 114.793+/-67.182 χ^2/NDF: 40.3/30

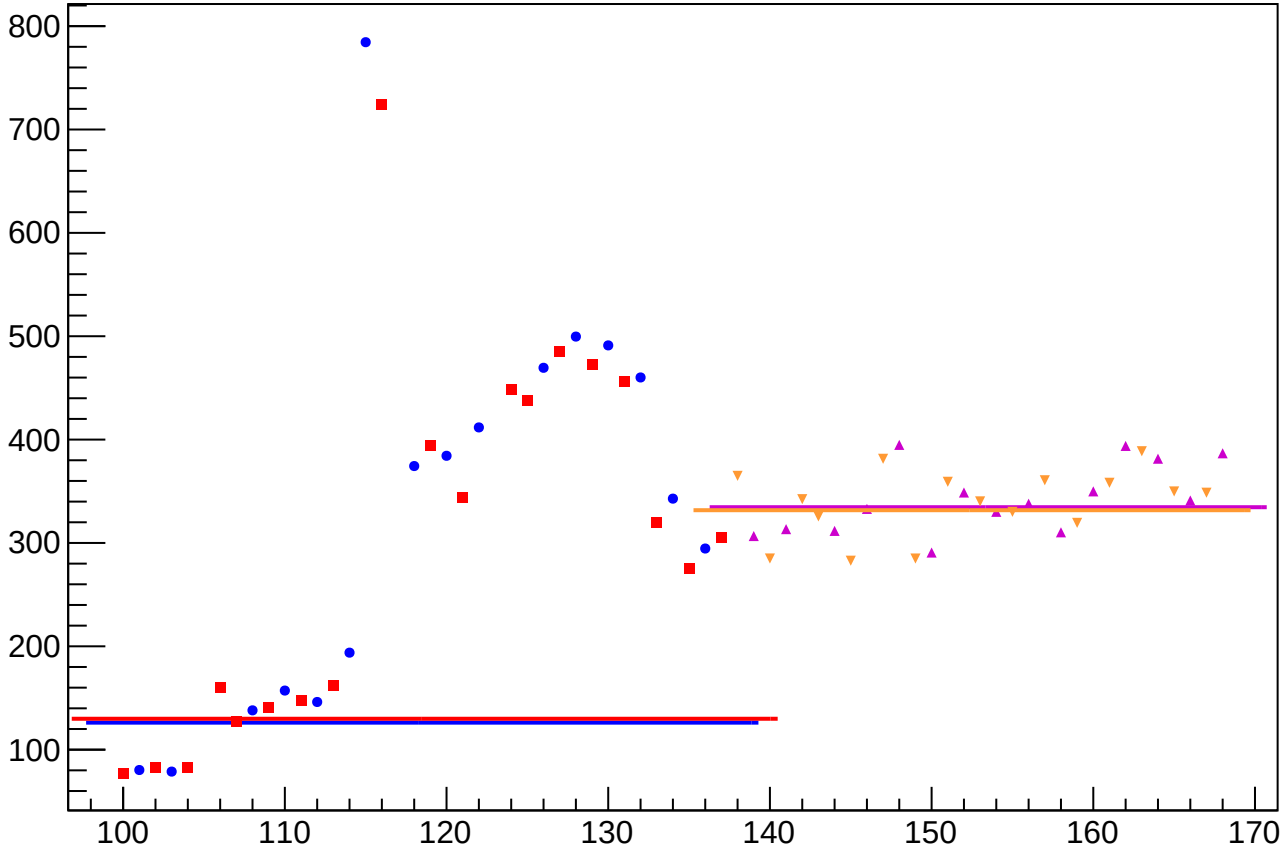
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 29.929+/-50.342 χ^2/NDF:39.8/30

Out: 167.057+/-49.357 χ^2/NDF:34.2/34

All: 99.848+/-35.244 χ^2/NDF: 77.7/65

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 331.681+/-0.067 χ^2/NDF:255667.0/15

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 334.581+/-0.068 χ^2/NDF:214089.0/14

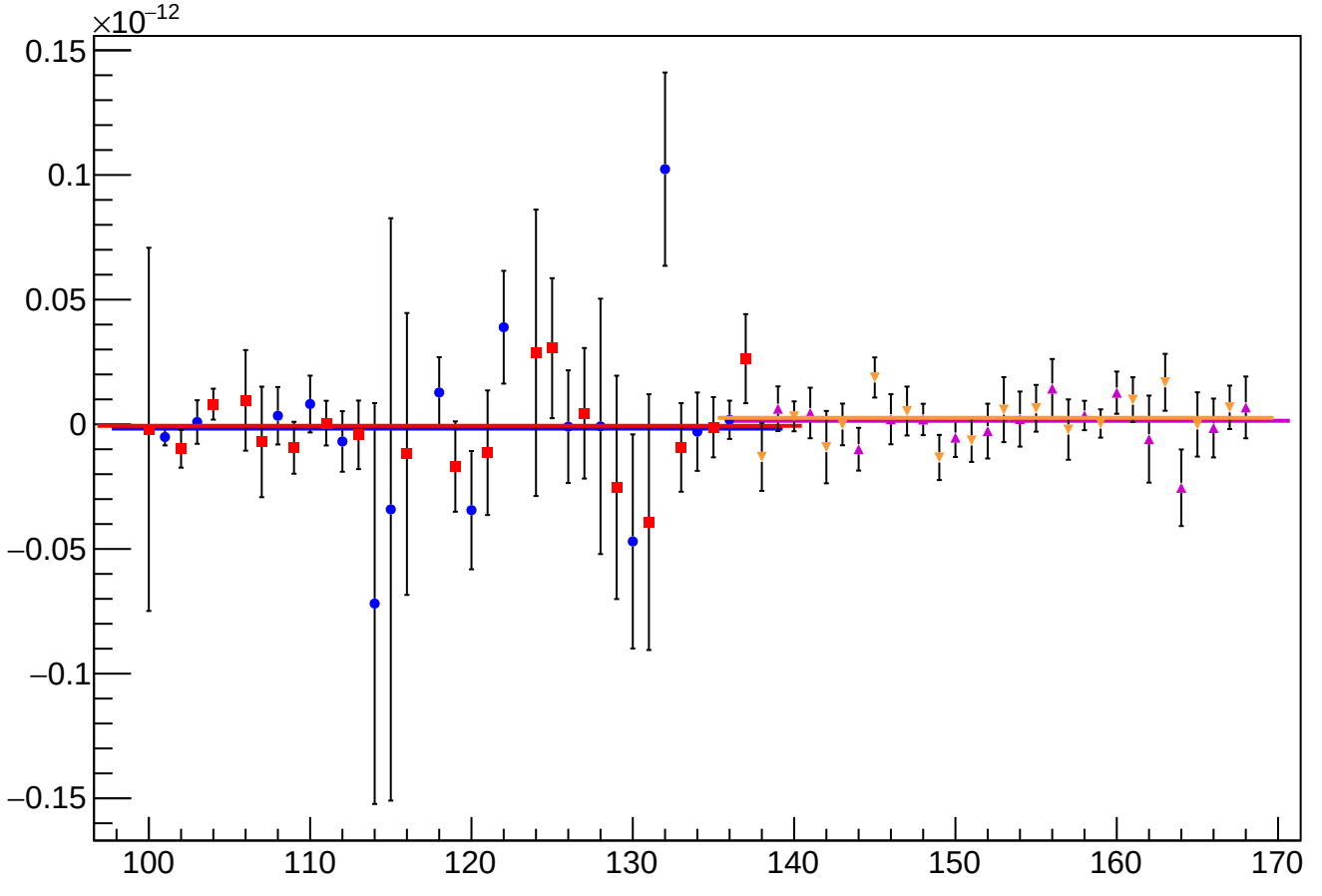
Left: 333.107+/-0.048 χ^2/NDF: 470687.6/30

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 183.701+/-0.036 χ^2/NDF:12286281.9/30

Out: 185.270+/-0.035 χ^2/NDF:11557035.6/34

All: 184.501+/-0.025 χ^2/NDF: 23844307.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/14

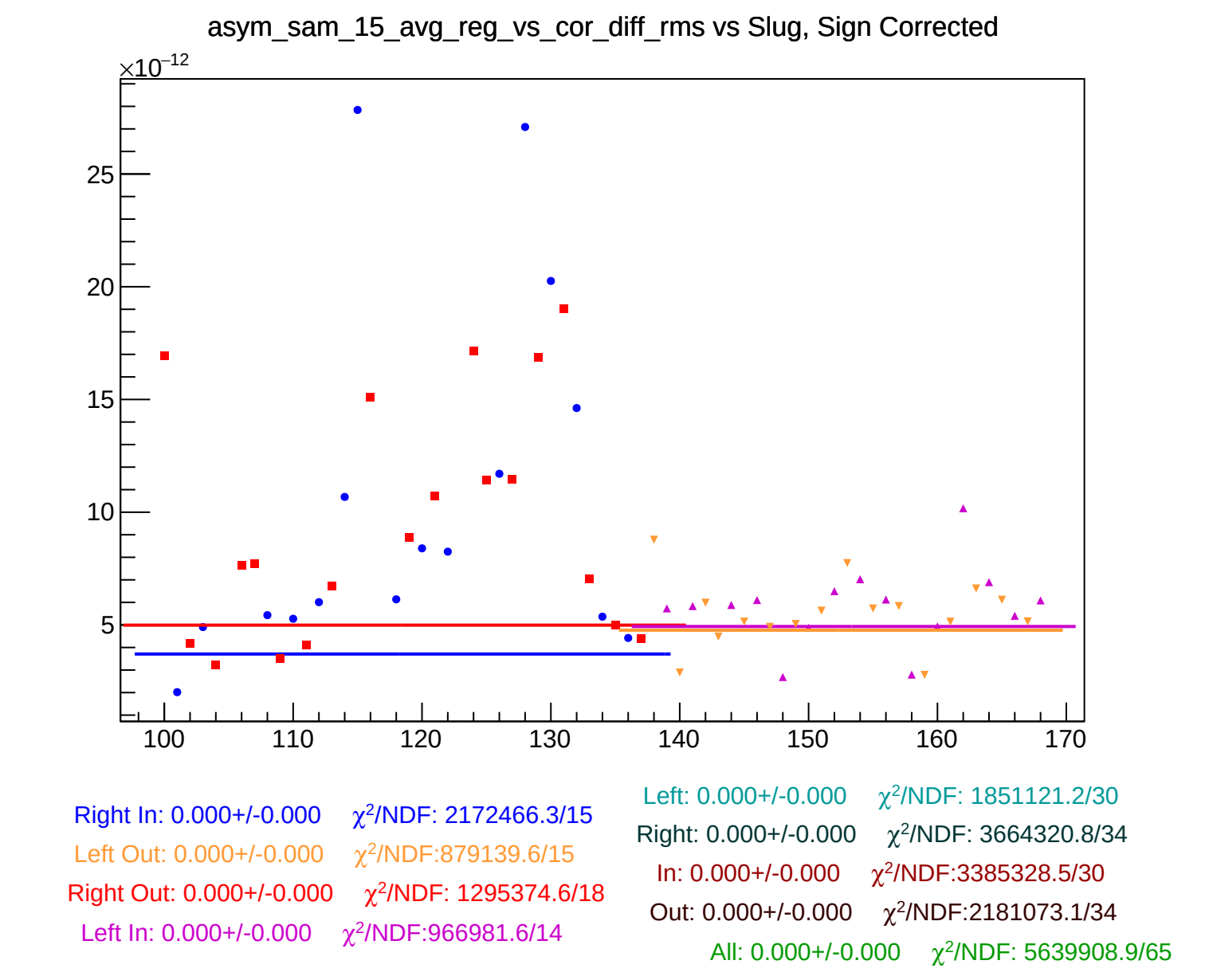
Left: 0.000+/-0.000 χ^2/NDF: 23.2/30

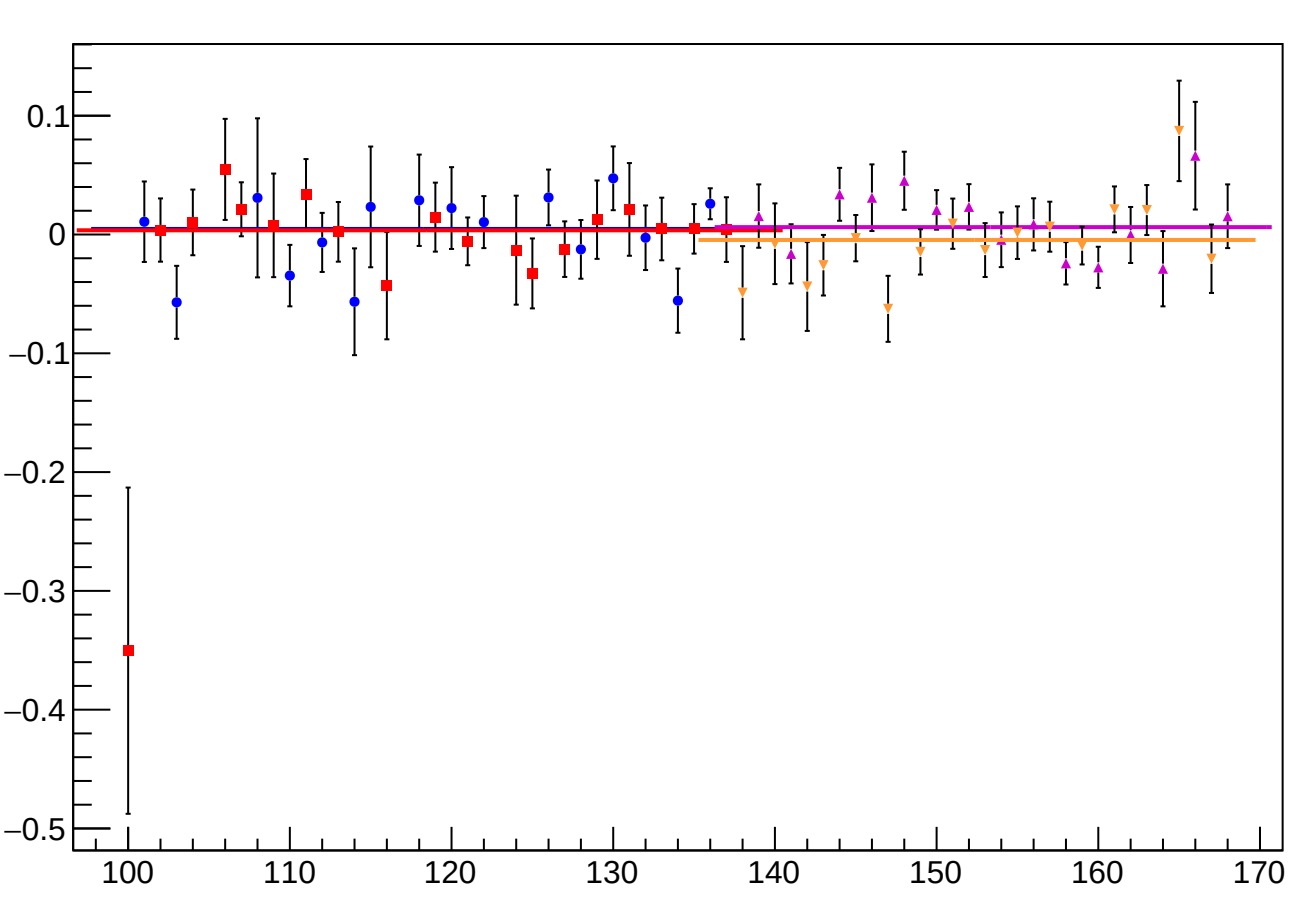
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:28.2/30

Out: 0.000+/-0.000 χ^2/NDF:24.6/34

All: 0.000+/-0.000 χ^2/NDF: 53.3/65


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:879139.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:966981.6/14
Left: 0.000+/-0.000 χ²/NDF: 1851121.2/30
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3385328.5/30
Out: 0.000+/-0.000 χ²/NDF:2181073.1/34
All: 0.000+/-0.000 χ²/NDF: 5639908.9/65



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.5/14

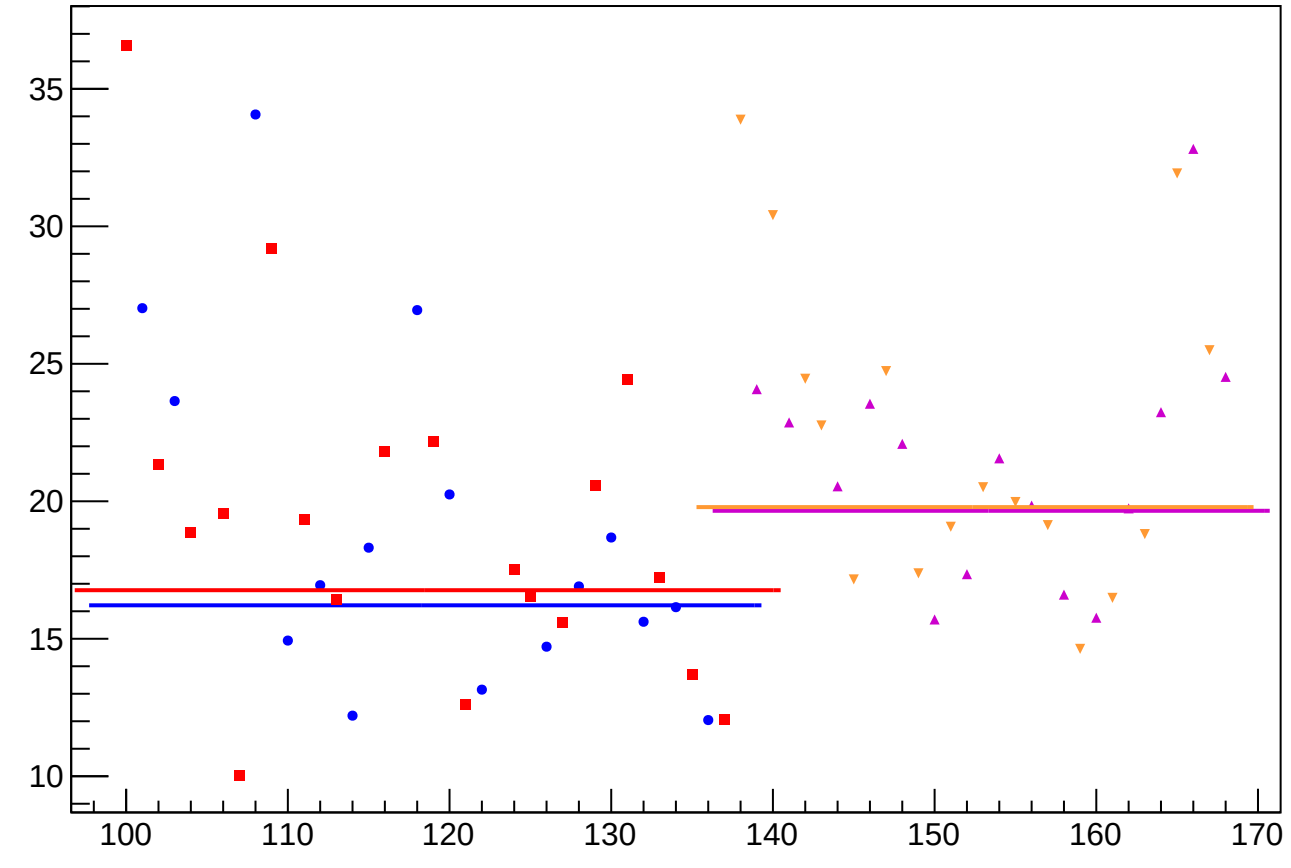
Left: 0.001+/-0.004 χ^2/NDF: 36.2/30

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.004 χ^2/NDF:39.0/30

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.5/65



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166793.5/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.654+/-0.004 χ^2/NDF:725467.3/14

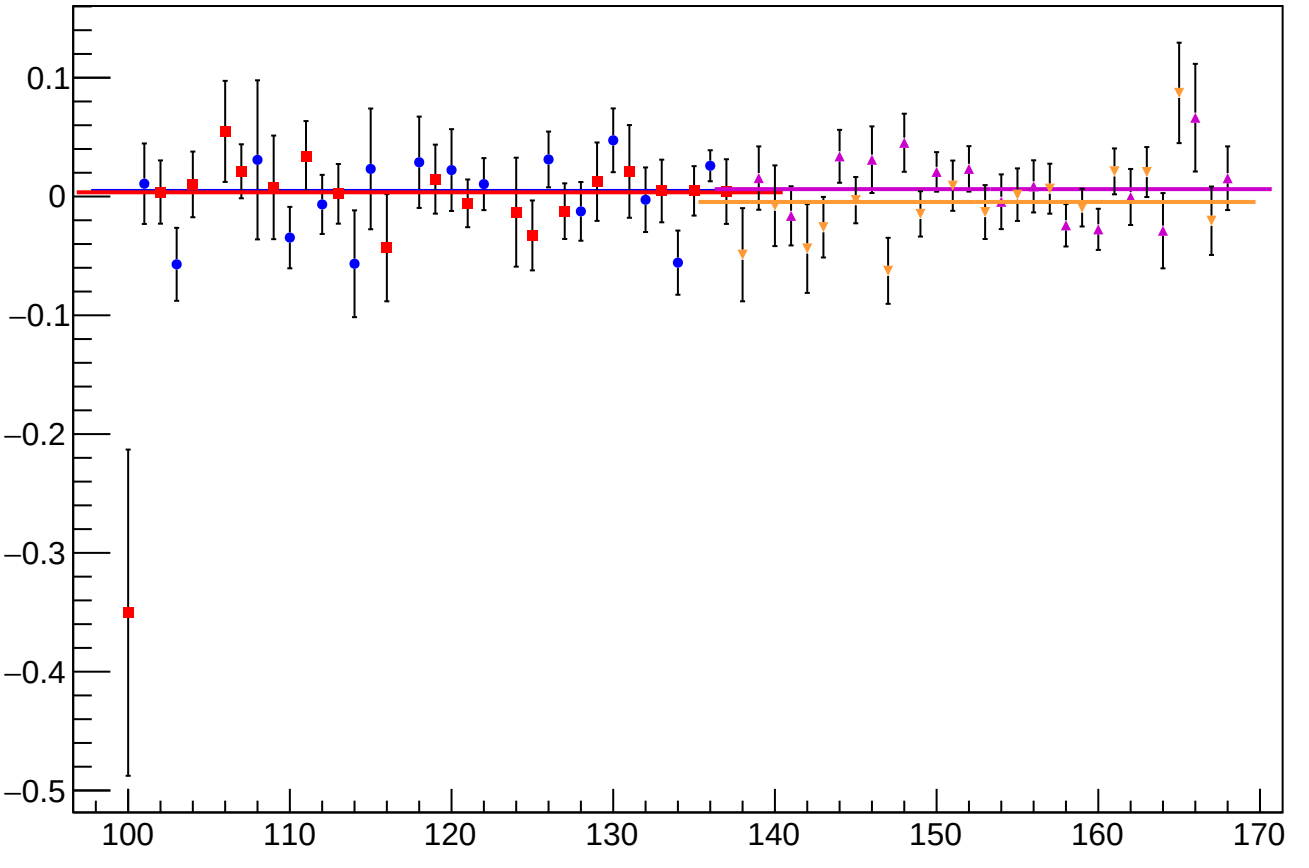
Left: 19.721+/-0.003 χ^2/NDF: 1892789.4/30

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.139+/-0.003 χ^2/NDF:1976053.5/30

Out: 18.474+/-0.003 χ^2/NDF:2268596.0/34

All: 18.306+/-0.002 χ^2/NDF: 4250535.8/65



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.5/14

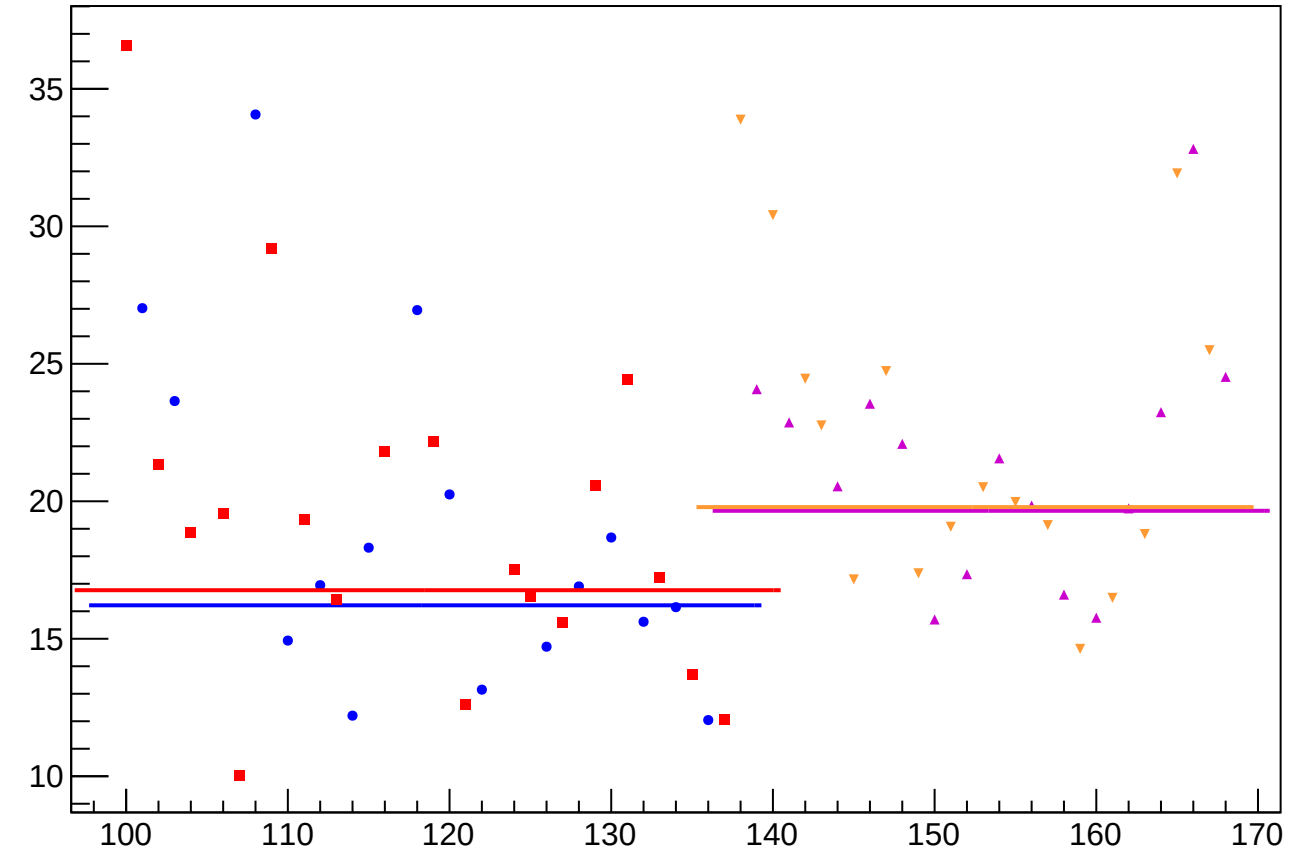
Left: 0.001+/-0.004 χ^2/NDF: 36.2/30

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.004 χ^2/NDF:39.0/30

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.5/65



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166793.5/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.654+/-0.004 χ^2/NDF:725467.3/14

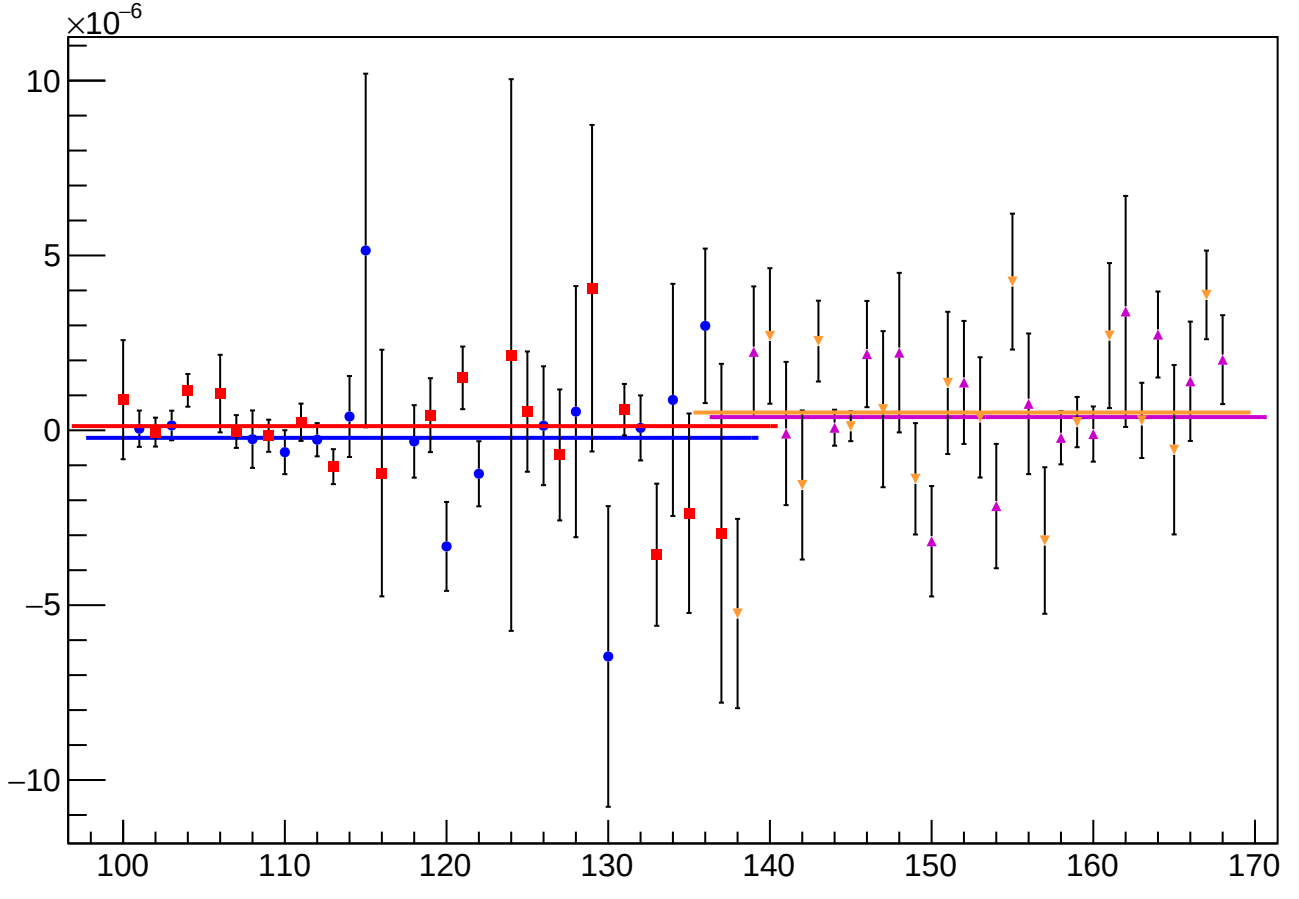
Left: 19.721+/-0.003 χ^2/NDF: 1892789.4/30

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.139+/-0.003 χ^2/NDF:1976053.5/30

Out: 18.474+/-0.003 χ^2/NDF:2268596.0/34

All: 18.306+/-0.002 χ^2/NDF: 4250535.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/14

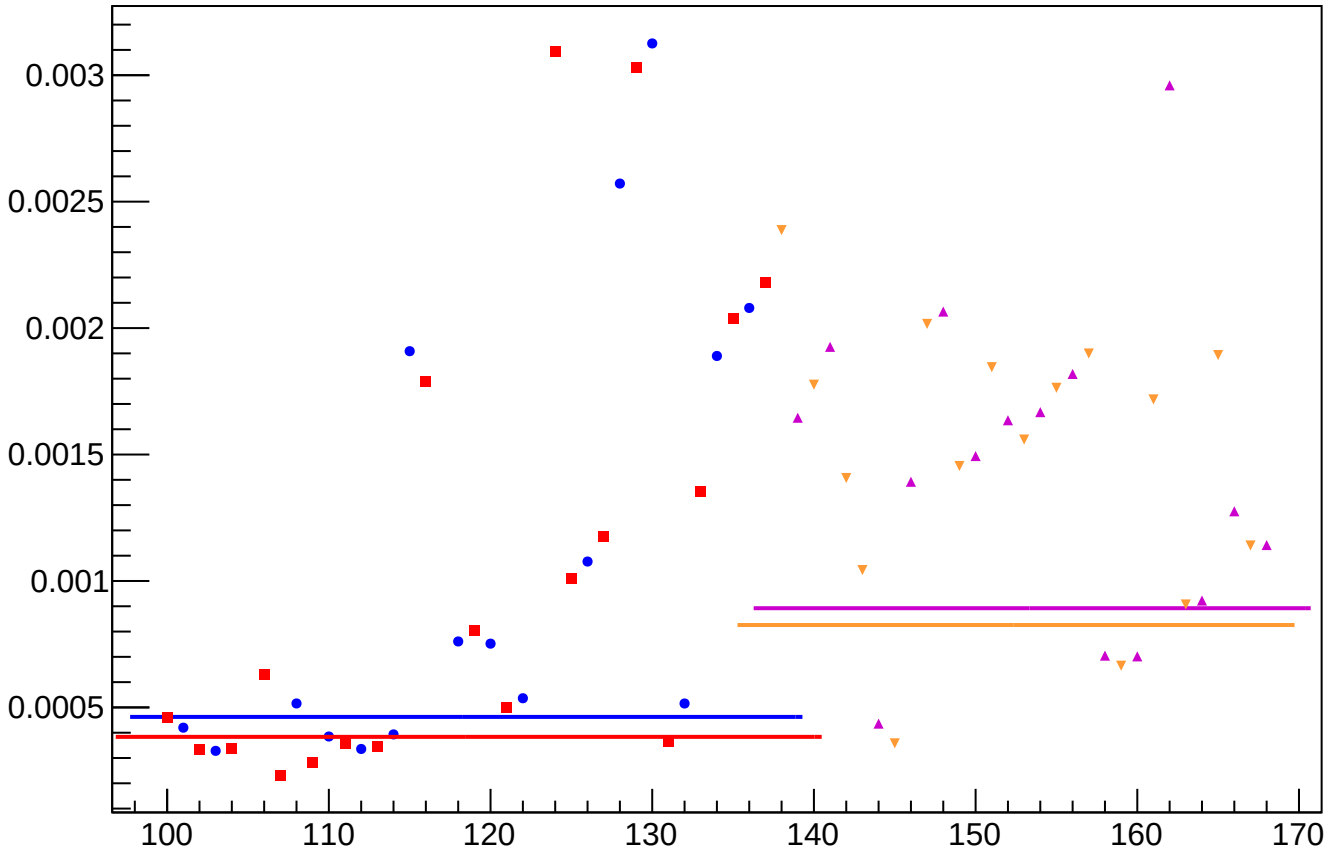
Left: 0.000+/-0.000 χ^2/NDF: 46.2/30

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:35.6/30

Out: 0.000+/-0.000 χ^2/NDF:49.2/34

All: 0.000+/-0.000 χ^2/NDF: 86.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7508194.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5807174.6/14

Left: 0.001+/-0.000 χ^2/NDF: 13367457.7/30

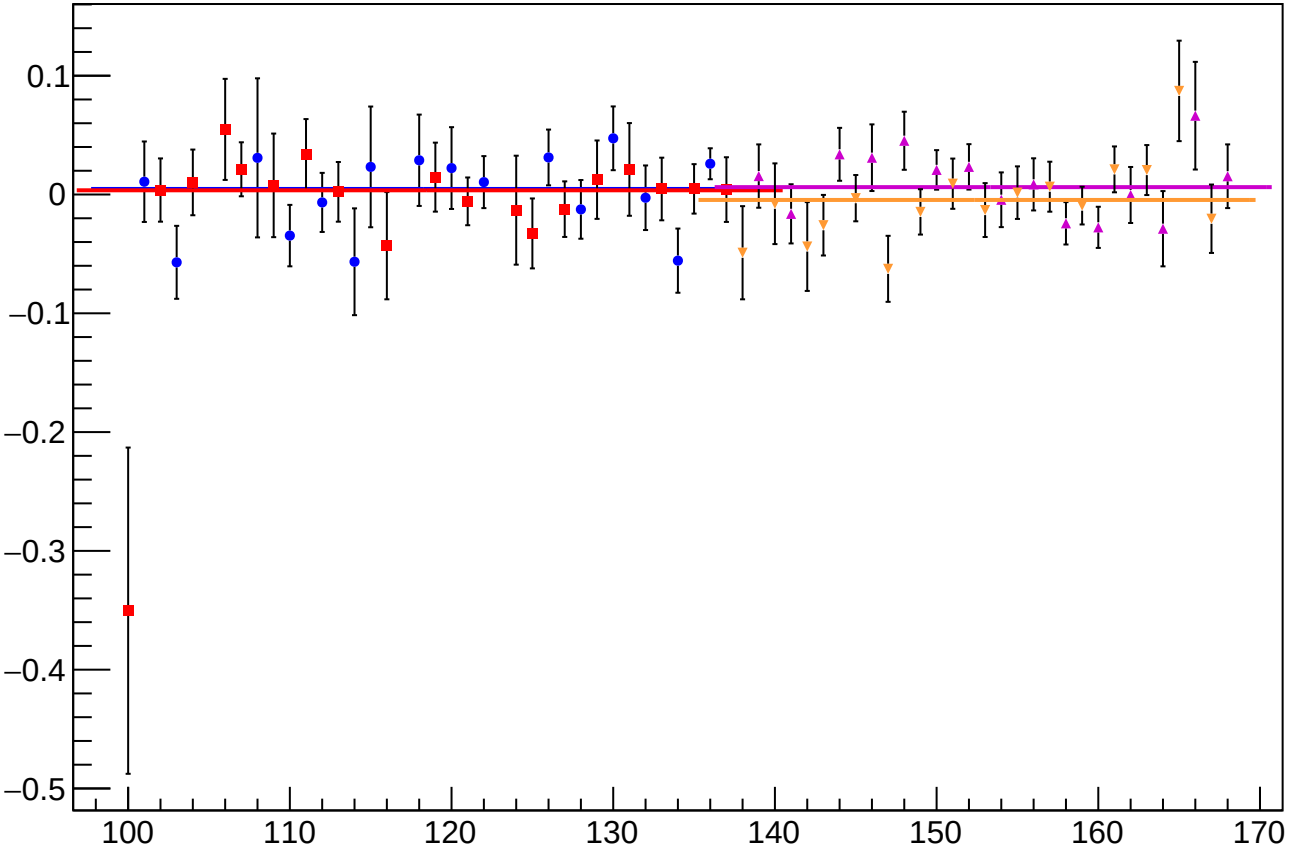
Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:12625604.4/30

Out: 0.001+/-0.000 χ^2/NDF:15100486.7/34

All: 0.001+/-0.000 χ^2/NDF: 28122111.2/65

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.5/14

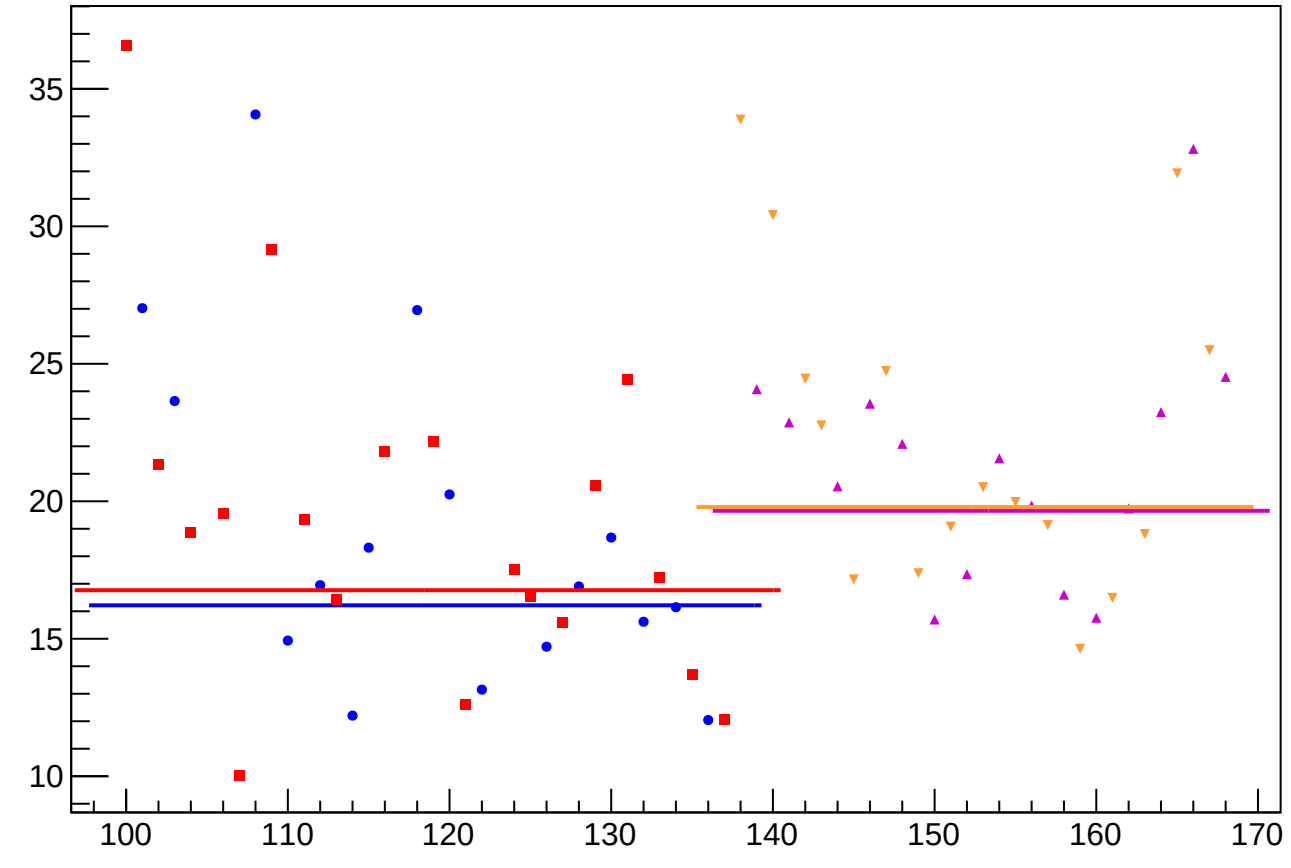
Left: 0.001+/-0.004 χ^2/NDF: 36.2/30

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.004 χ^2/NDF:39.0/30

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.5/65



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.654+/-0.004 χ^2/NDF:725565.5/14

Left: 19.721+/-0.003 χ^2/NDF: 1892999.9/30

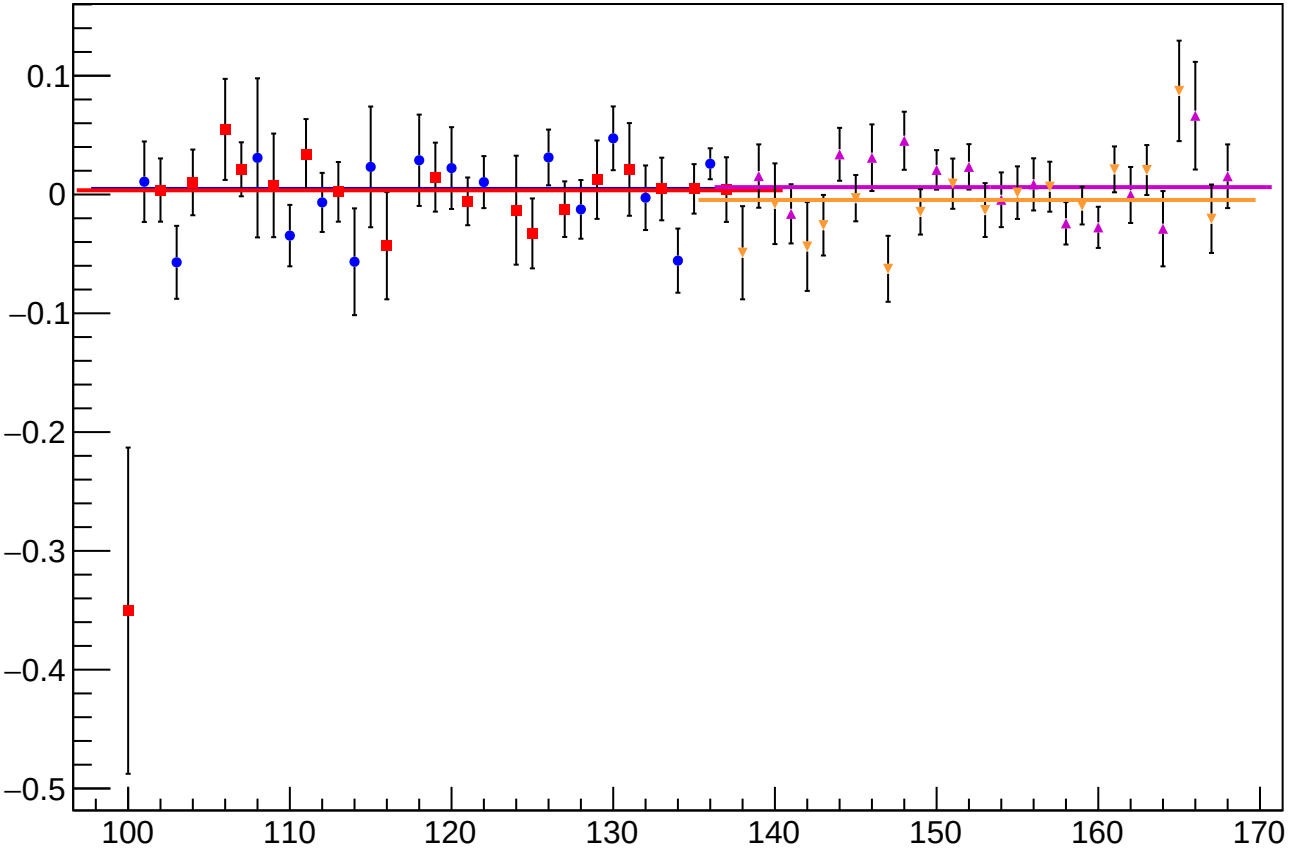
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.139+/-0.003 χ^2/NDF:1976137.8/30

Out: 18.474+/-0.003 χ^2/NDF:2268731.7/34

All: 18.306+/-0.002 χ^2/NDF: 4250756.8/65

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: -0.005+/-0.006 χ^2/NDF:17.0/15

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:17.5/14

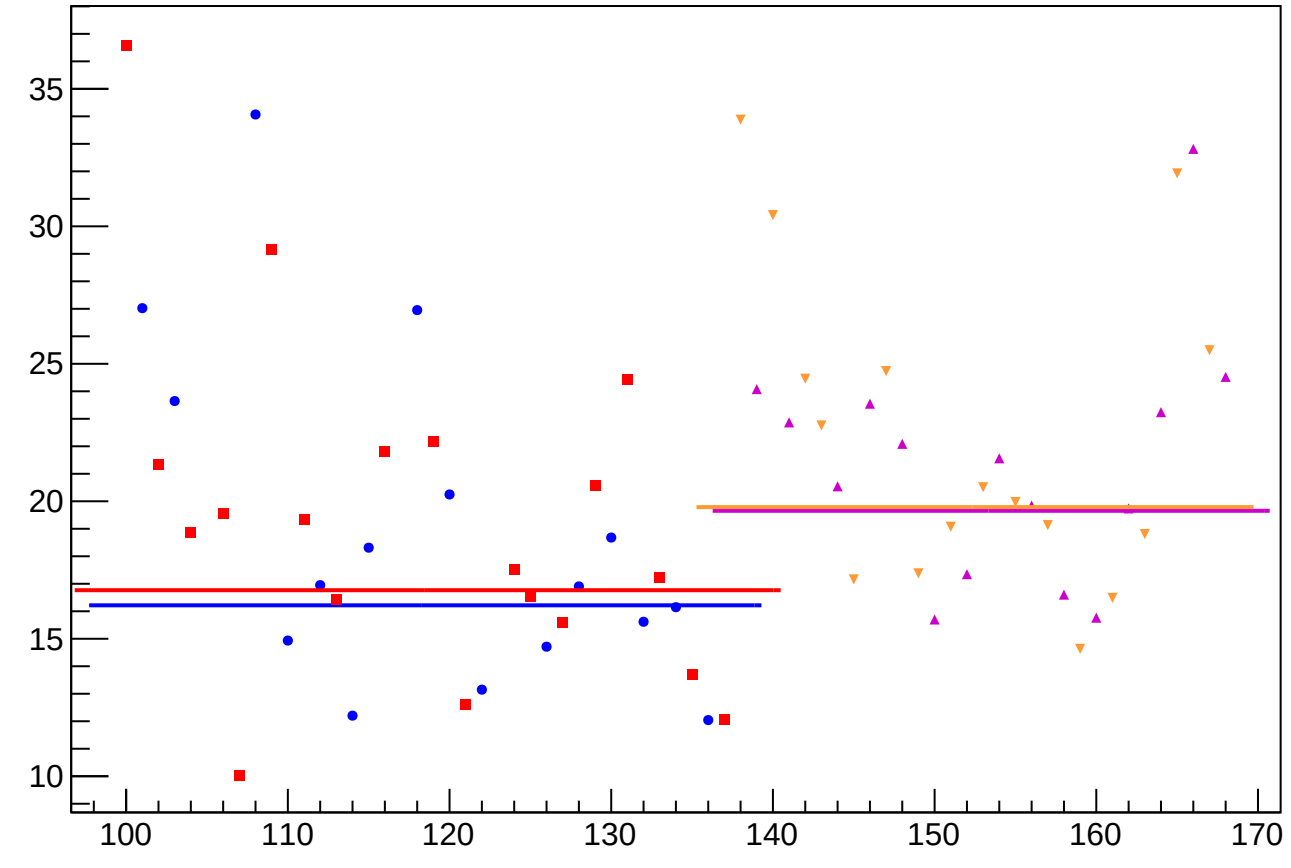
Left: 0.001+/-0.004 χ^2/NDF: 36.2/30

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.004 χ^2/NDF:39.0/30

Out: -0.001+/-0.004 χ^2/NDF:31.4/34

All: 0.002+/-0.003 χ^2/NDF: 71.5/65



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.788+/-0.004 χ^2/NDF:1166905.2/15

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.654+/-0.004 χ^2/NDF:725565.5/14

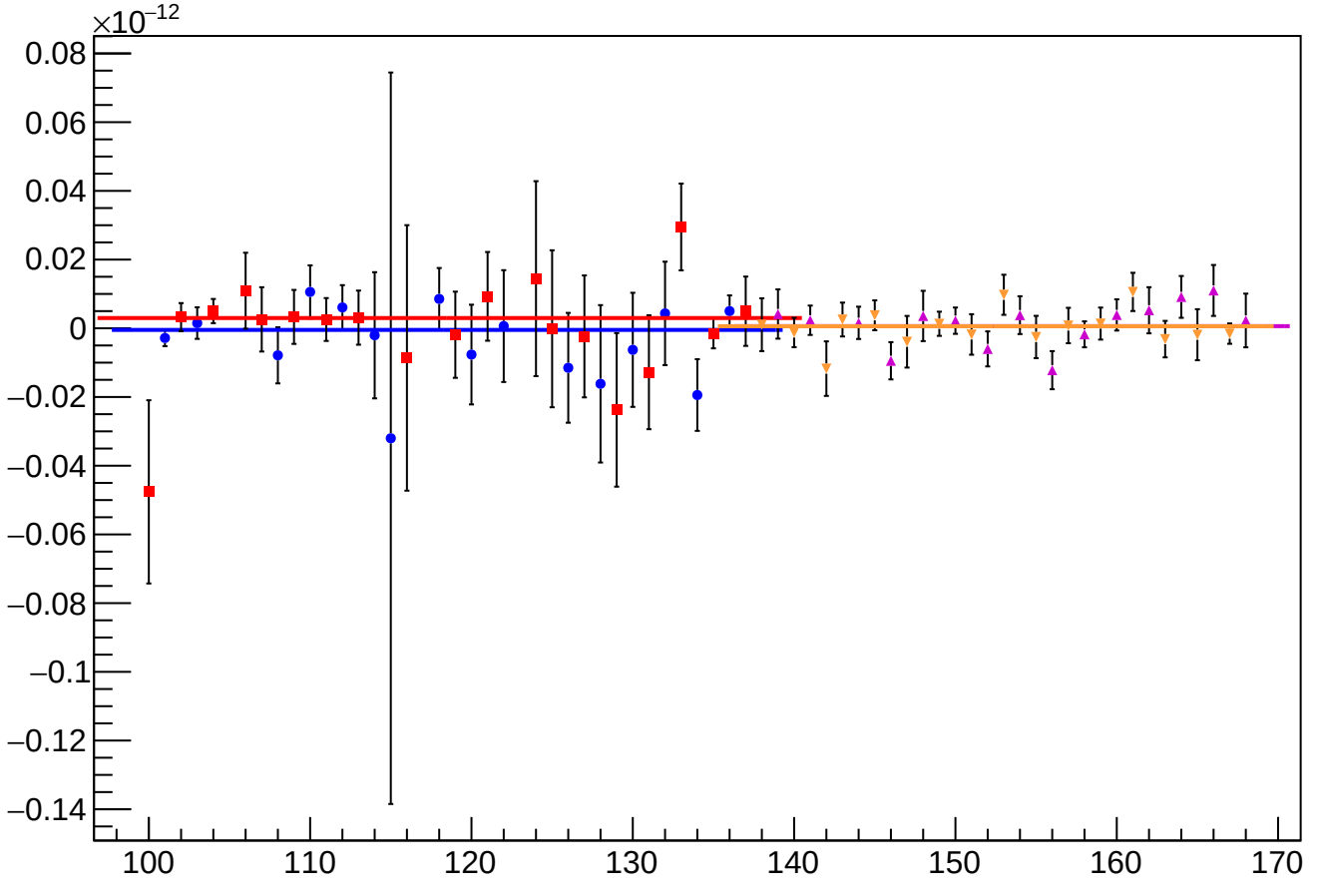
Left: 19.721+/-0.003 χ^2/NDF: 1892999.9/30

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.139+/-0.003 χ^2/NDF:1976137.8/30

Out: 18.474+/-0.003 χ^2/NDF:2268731.7/34

All: 18.306+/-0.002 χ^2/NDF: 4250756.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/14

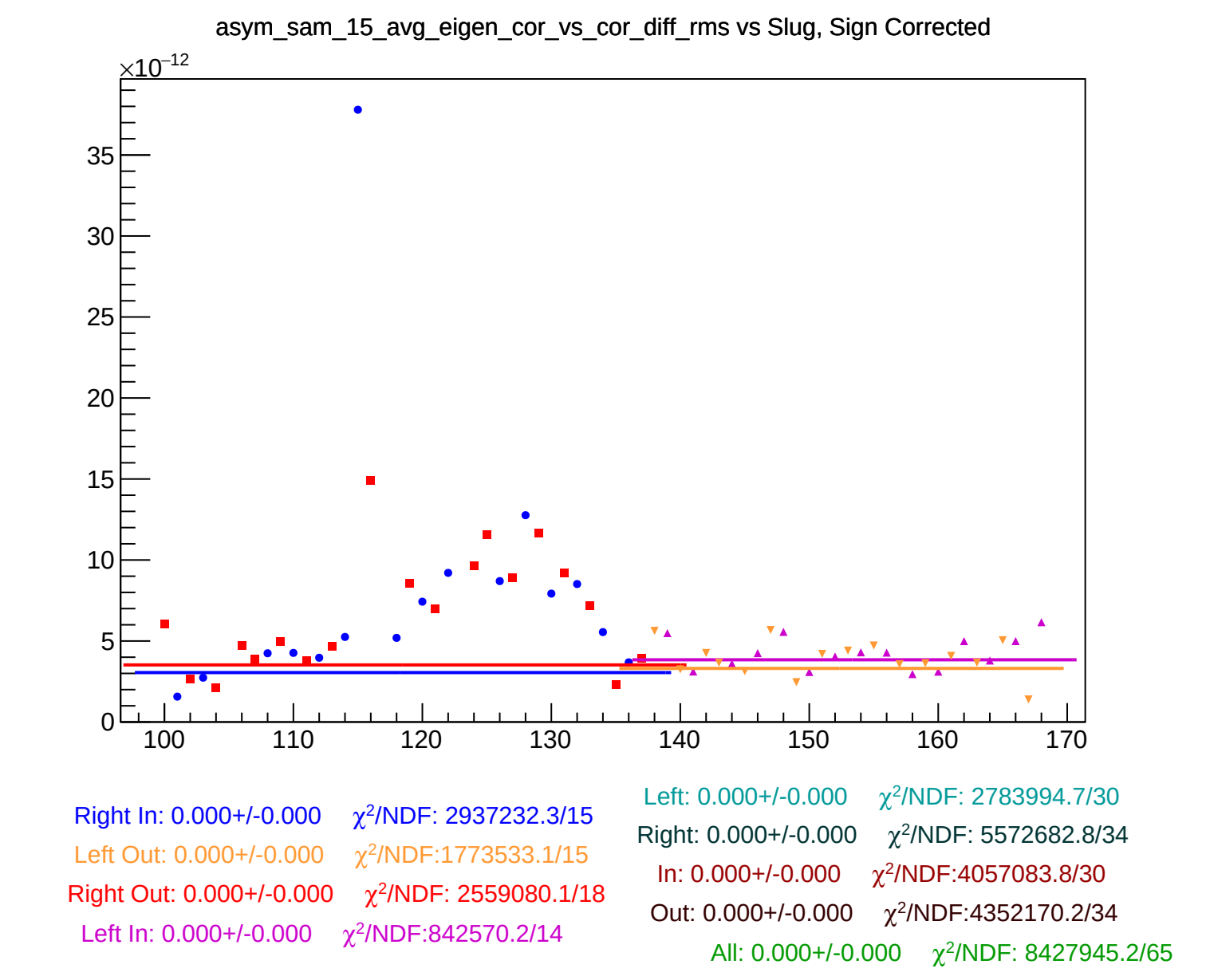
Left: 0.000+/-0.000 χ^2/NDF: 27.9/30

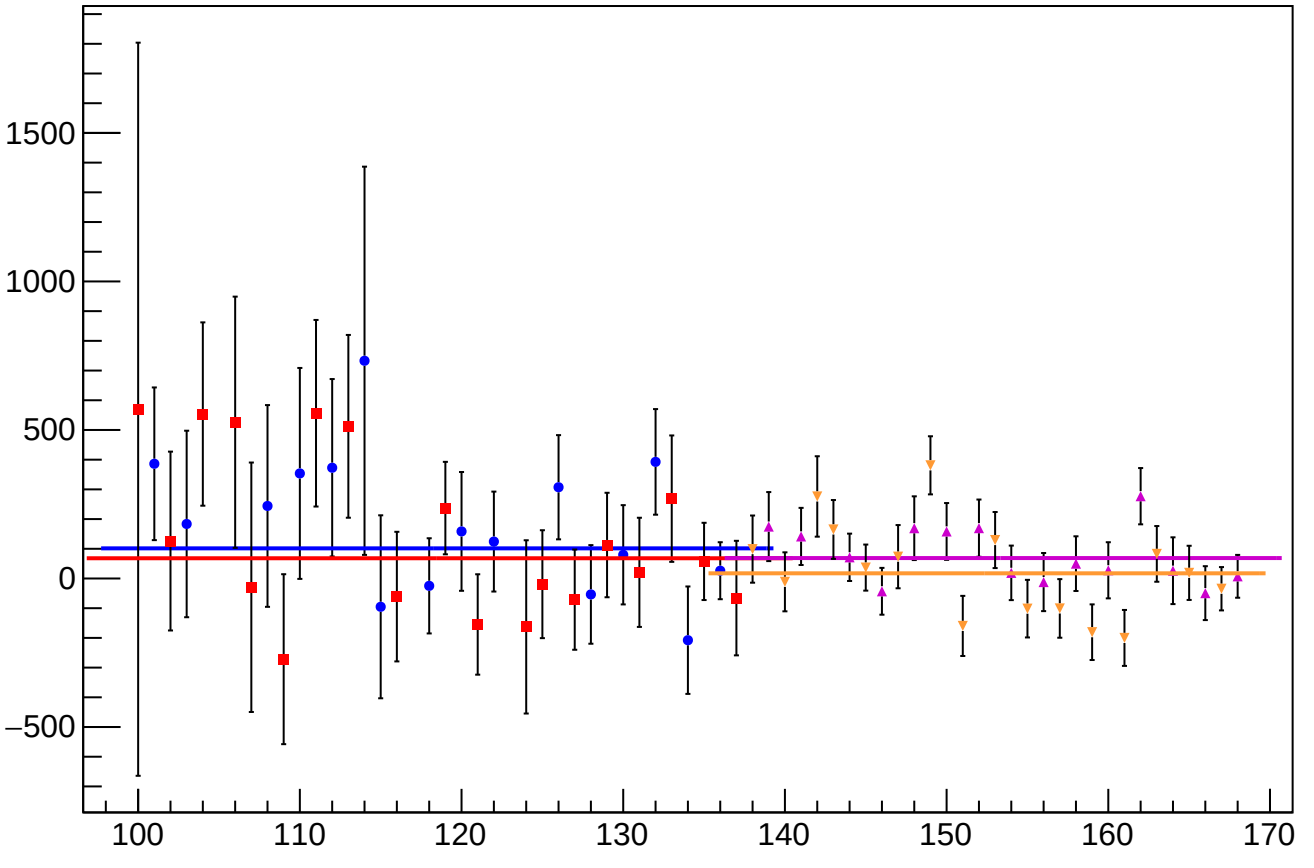
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:29.5/30

Out: 0.000+/-0.000 χ^2/NDF:25.2/34

All: 0.000+/-0.000 χ^2/NDF: 55.4/65


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1773533.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:842570.2/14
Left: 0.000+/-0.000 χ²/NDF: 2783994.7/30
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4057083.8/30
Out: 0.000+/-0.000 χ²/NDF:4352170.2/34
All: 0.000+/-0.000 χ²/NDF: 8427945.2/65



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 17.426+/-23.815 χ^2/NDF:38.9/15

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 68.772+/-23.819 χ^2/NDF:14.9/14

Left: 43.094+/-16.841 χ^2/NDF: 56.1/30

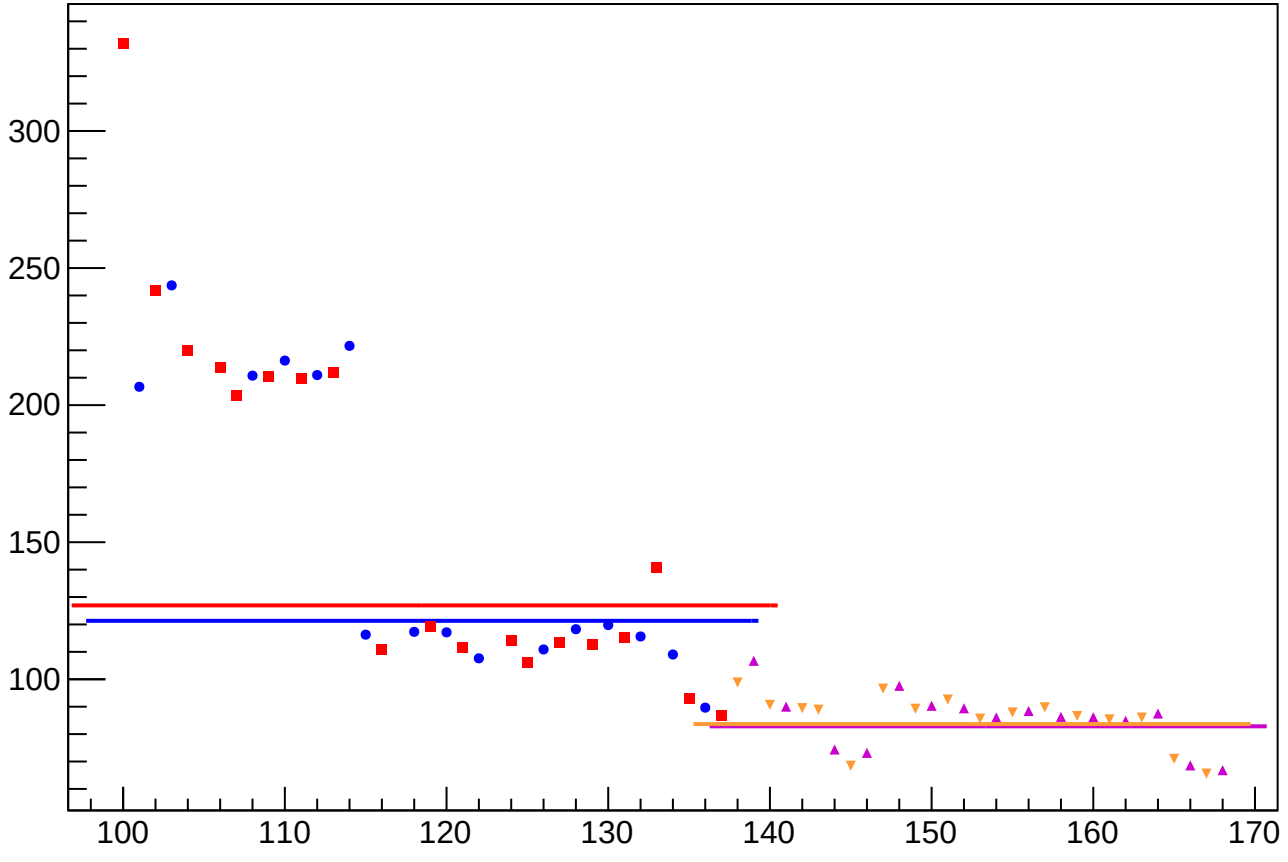
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 75.311+/-21.304 χ^2/NDF:28.6/30

Out: 27.007+/-21.446 χ^2/NDF:55.8/34

All: 51.320+/-15.114 χ^2/NDF: 87.0/65

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.1/15

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

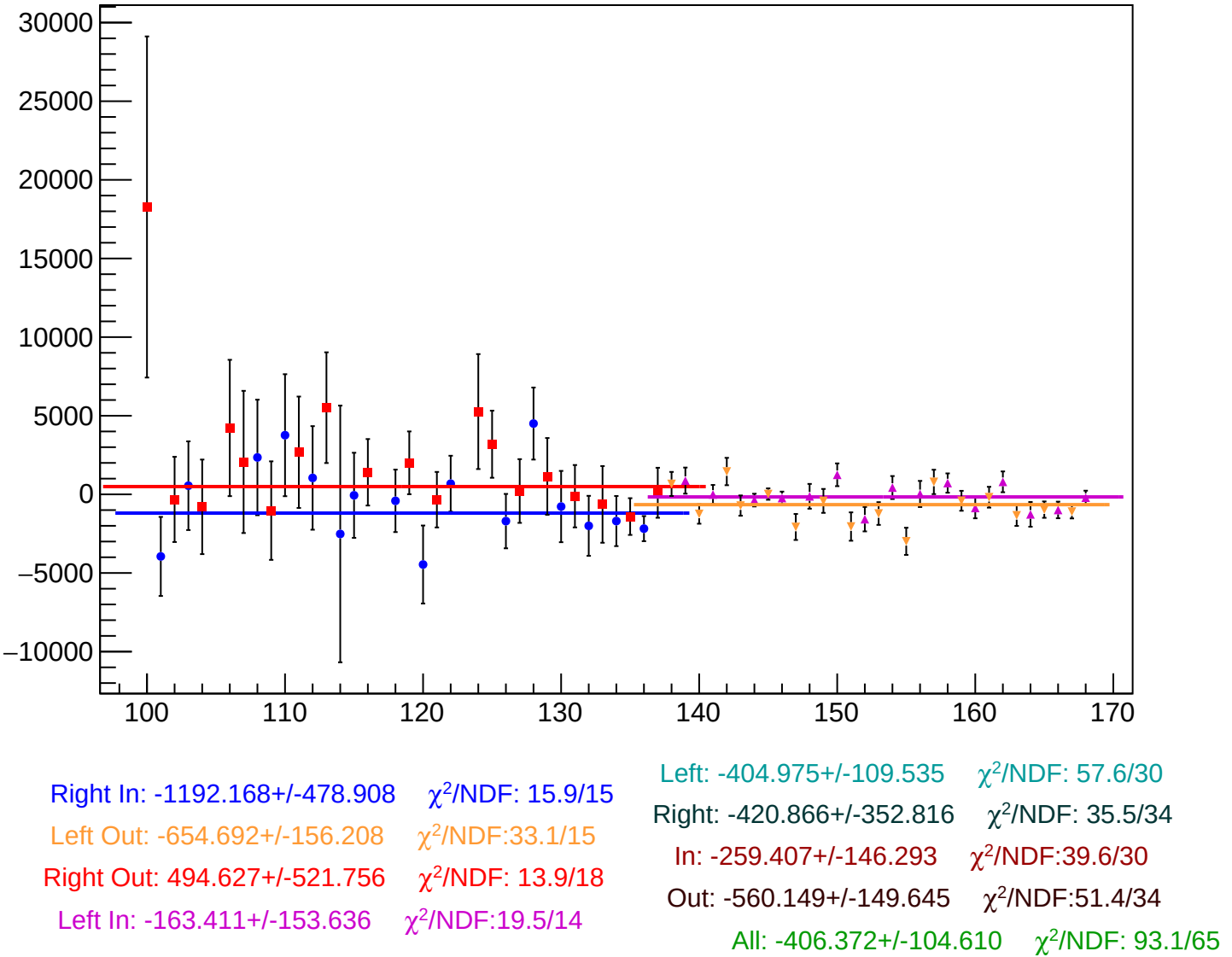
Left: 83.248+/-0.012 χ^2/NDF: 737309.8/30

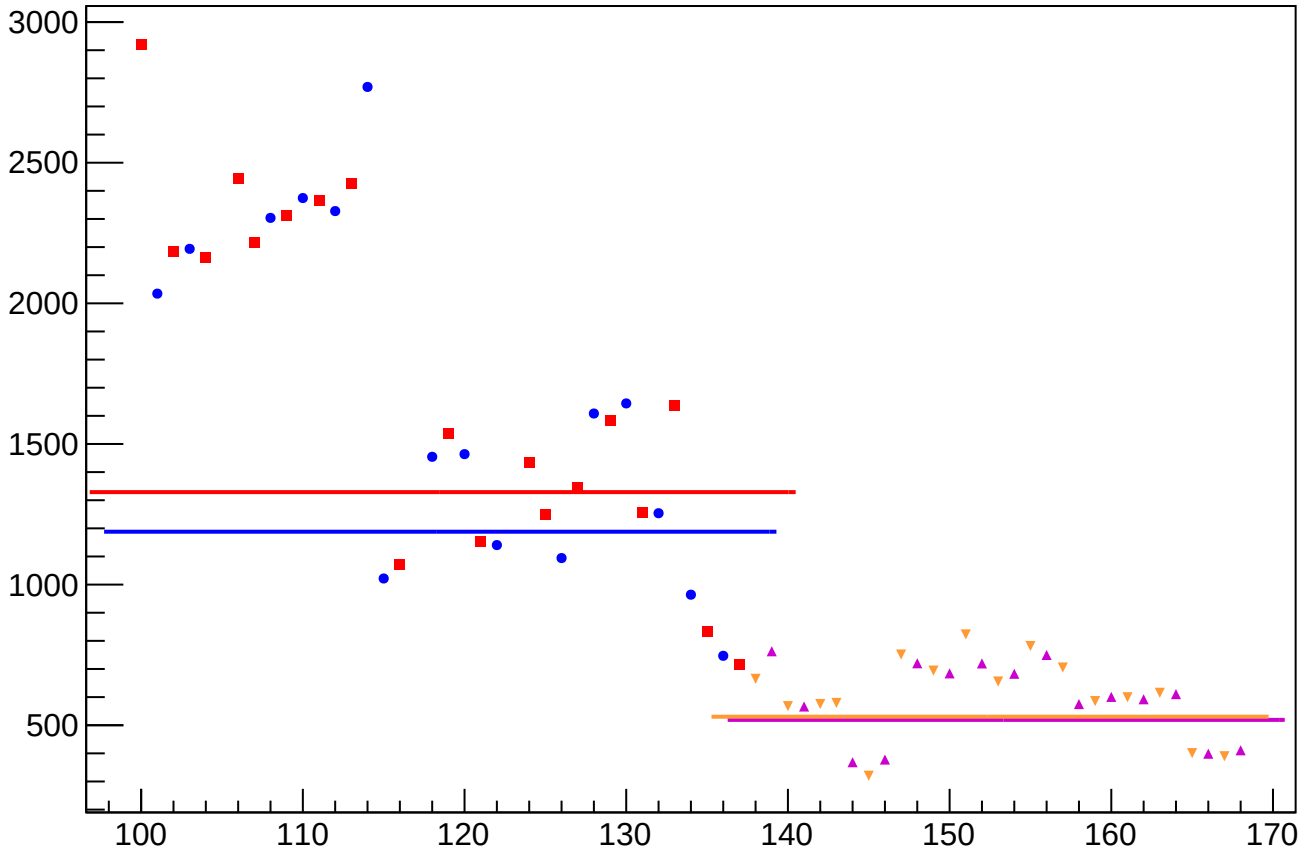
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

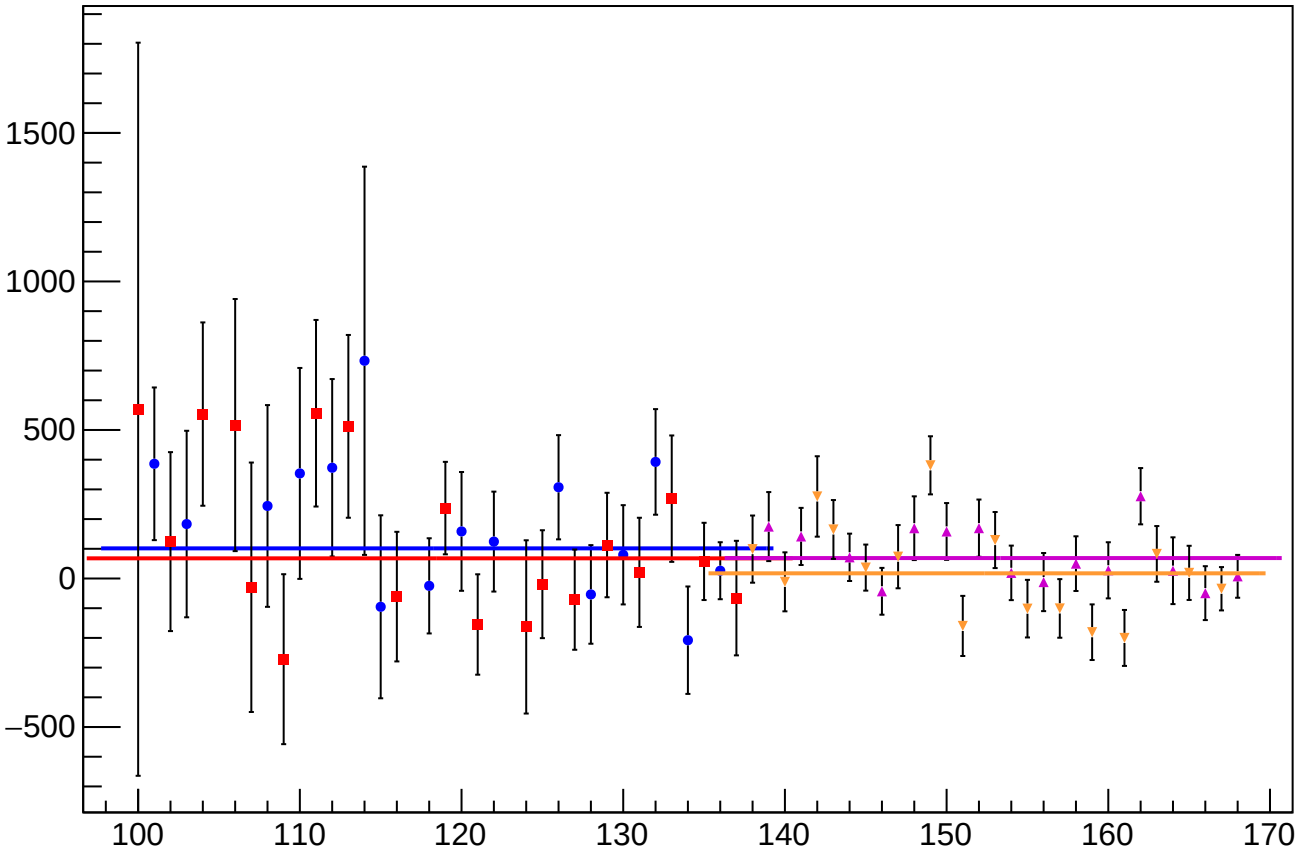
In: 90.540+/-0.015 χ^2/NDF:2705472.1/30

Out: 91.837+/-0.015 χ^2/NDF:3082617.6/34

All: 91.184+/-0.011 χ^2/NDF: 5791768.4/65


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1192.168+/-478.908 χ²/NDF: 15.9/15
Left Out: -654.692+/-156.208 χ²/NDF:33.1/15
Right Out: 494.627+/-521.756 χ²/NDF: 13.9/18
Left In: -163.411+/-153.636 χ²/NDF:19.5/14
Left: -404.975+/-109.535 χ²/NDF: 57.6/30
Right: -420.866+/-352.816 χ²/NDF: 35.5/34
In: -259.407+/-146.293 χ²/NDF:39.6/30
Out: -560.149+/-149.645 χ²/NDF:51.4/34
All: -406.372+/-104.610 χ²/NDF: 93.1/65


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 530.288+/-0.110 χ²/NDF:1938546.6/15
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 519.034+/-0.109 χ²/NDF:1647885.4/14
Left: 524.567+/-0.077 χ²/NDF: 3591709.3/30
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 581.463+/-0.103 χ²/NDF:7231533.6/30
Out: 595.975+/-0.106 χ²/NDF:8195584.7/34
All: 588.555+/-0.074 χ²/NDF: 15436735.8/65



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 68.772+/-23.819 χ^2/NDF:14.9/14

Left: 43.095+/-16.841 χ^2/NDF: 56.1/30

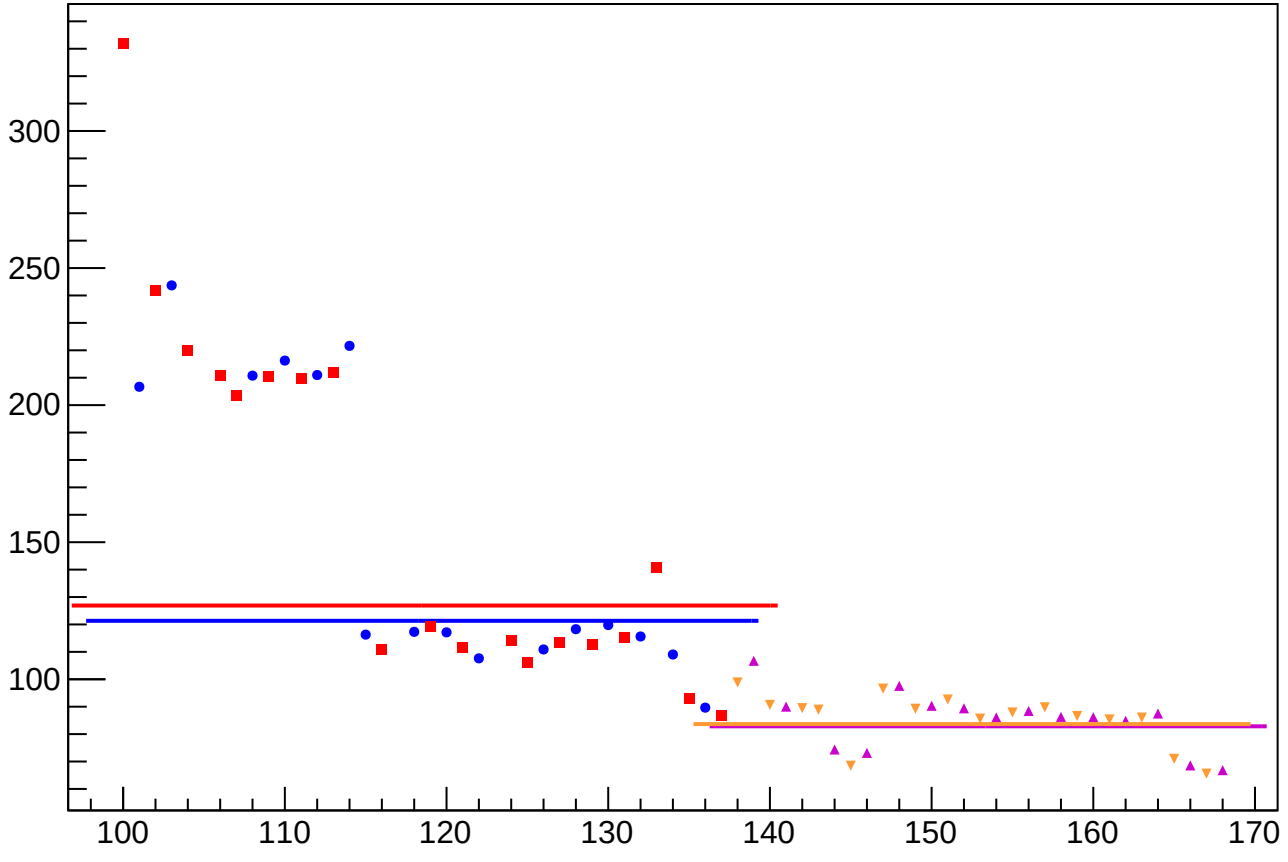
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 75.308+/-21.304 χ^2/NDF:28.6/30

Out: 26.964+/-21.447 χ^2/NDF:55.8/34

All: 51.298+/-15.114 χ^2/NDF: 86.9/65

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

Left: 83.248+/-0.012 χ^2/NDF: 737309.8/30

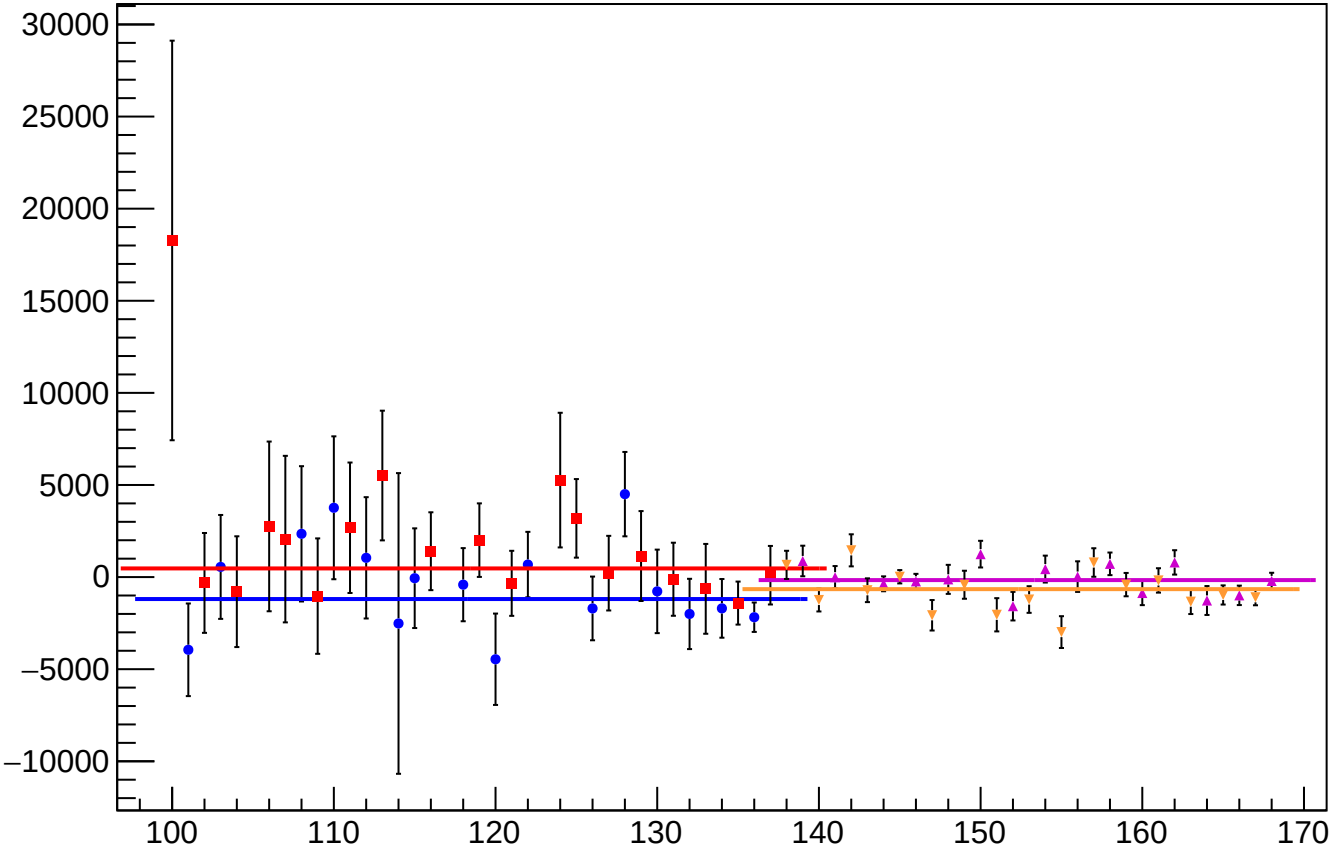
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 90.540+/-0.015 χ^2/NDF:2705474.3/30

Out: 91.826+/-0.015 χ^2/NDF:3073492.9/34

All: 91.179+/-0.011 χ^2/NDF: 5782587.7/65

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -654.687+/-156.208 χ^2/NDF:33.1/15

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -163.409+/-153.637 χ^2/NDF:19.5/14

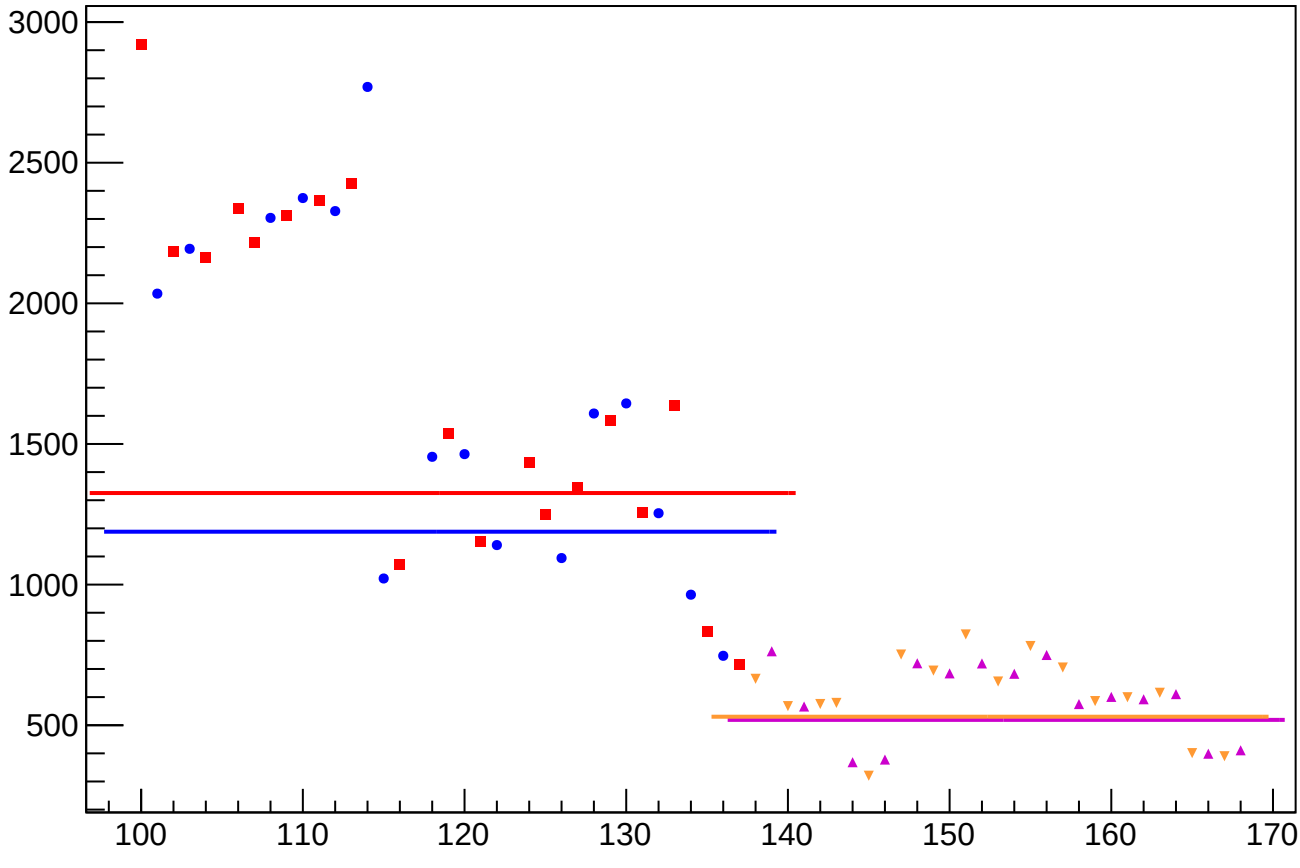
Left: -404.971+/-109.535 χ^2/NDF: 57.6/30

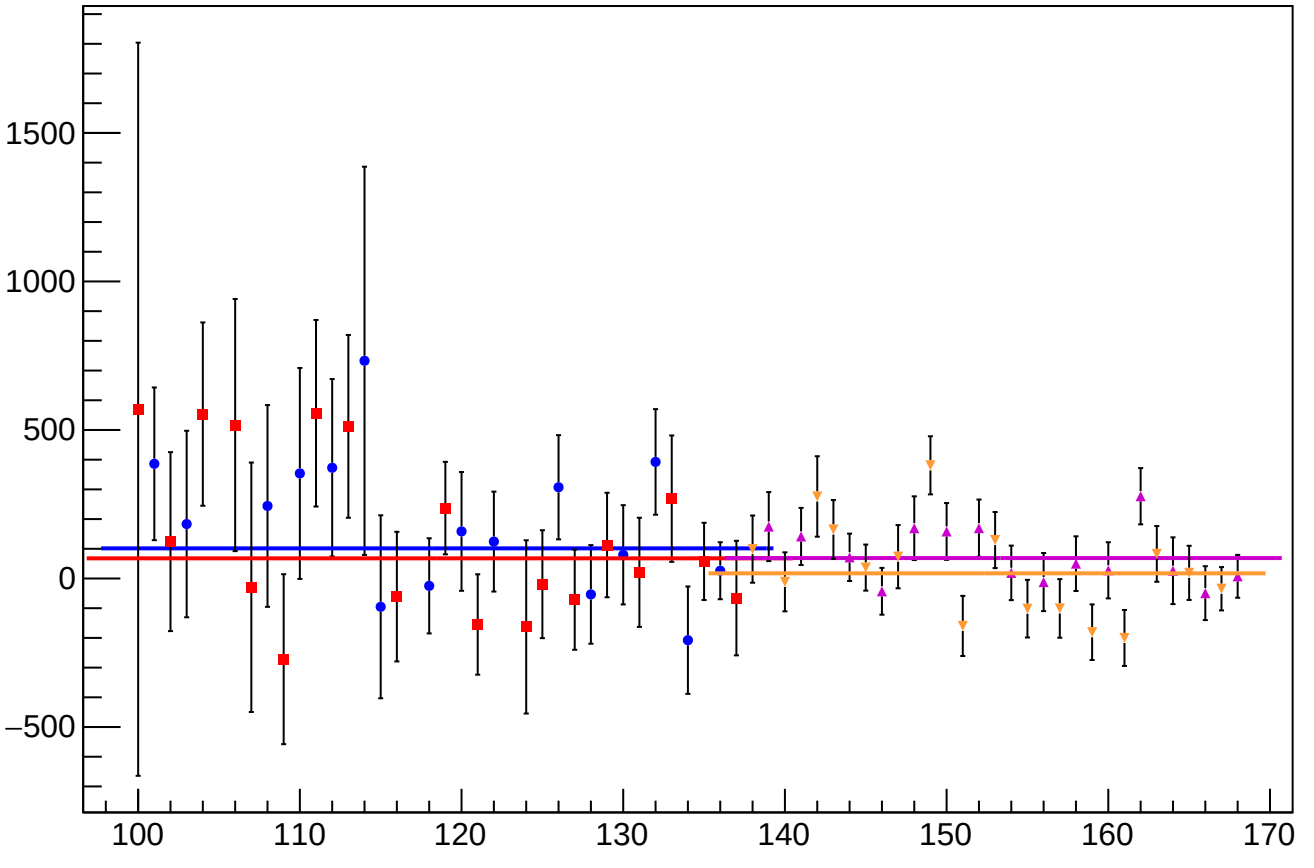
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -259.403+/-146.293 χ^2/NDF:39.6/30

Out: -562.337+/-149.656 χ^2/NDF:50.7/34

All: -407.428+/-104.613 χ^2/NDF: 92.4/65


asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 530.288+/-0.110 χ²/NDF:1938555.3/15
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 519.034+/-0.109 χ²/NDF:1647884.3/14
Left: 524.567+/-0.077 χ²/NDF: 3591716.2/30
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 581.463+/-0.103 χ²/NDF:7231548.8/30
Out: 595.605+/-0.106 χ²/NDF:8117171.4/34
All: 588.373+/-0.074 χ²/NDF: 15357851.7/65



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 17.428+/-23.815 χ^2/NDF:38.9/15

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 68.772+/-23.819 χ^2/NDF:14.9/14

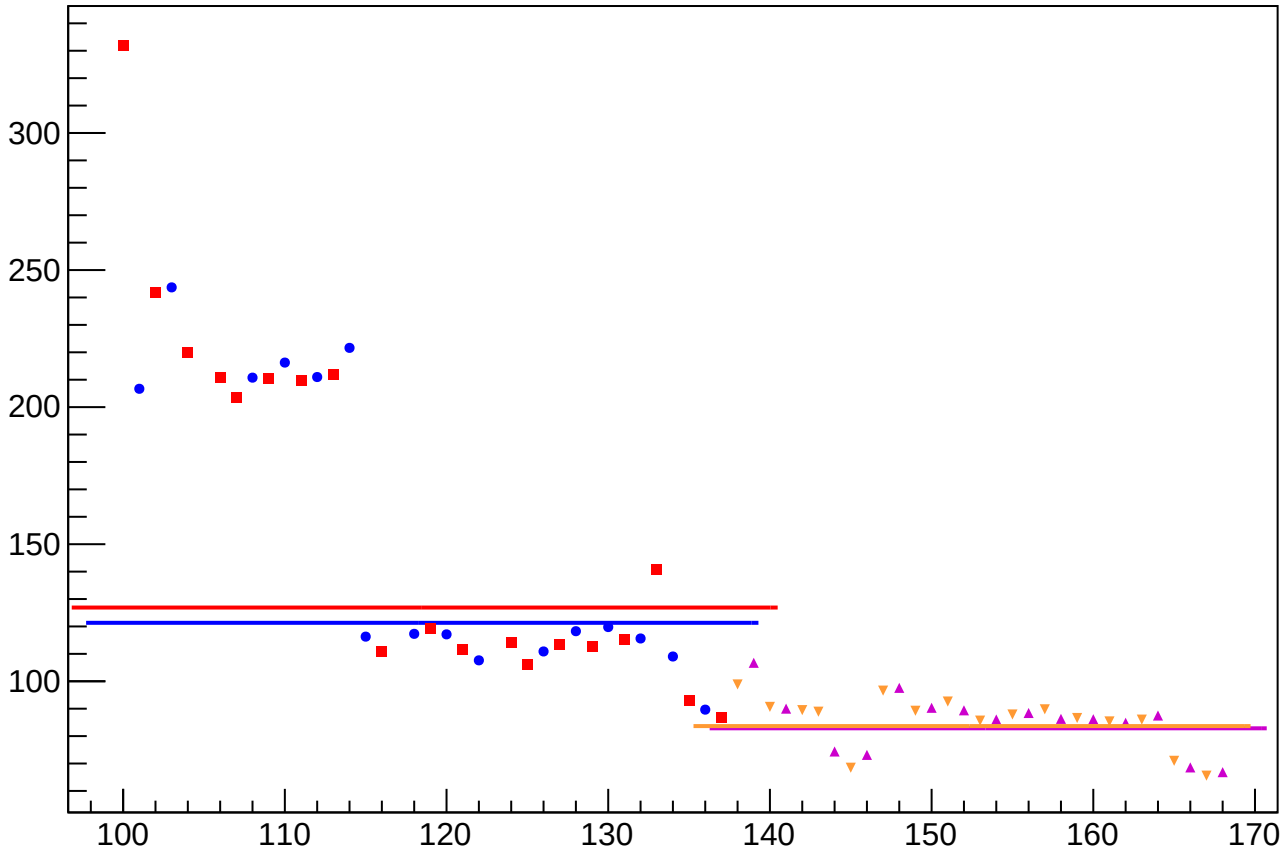
Left: 43.095+/-16.841 χ^2/NDF: 56.1/30

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 75.308+/-21.304 χ^2/NDF:28.6/30

Out: 26.964+/-21.447 χ^2/NDF:55.8/34

All: 51.298+/-15.114 χ^2/NDF: 86.9/65



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 83.654+/-0.017 χ^2/NDF:361748.0/15

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.842+/-0.017 χ^2/NDF:374399.6/14

Left: 83.248+/-0.012 χ^2/NDF: 737309.8/30

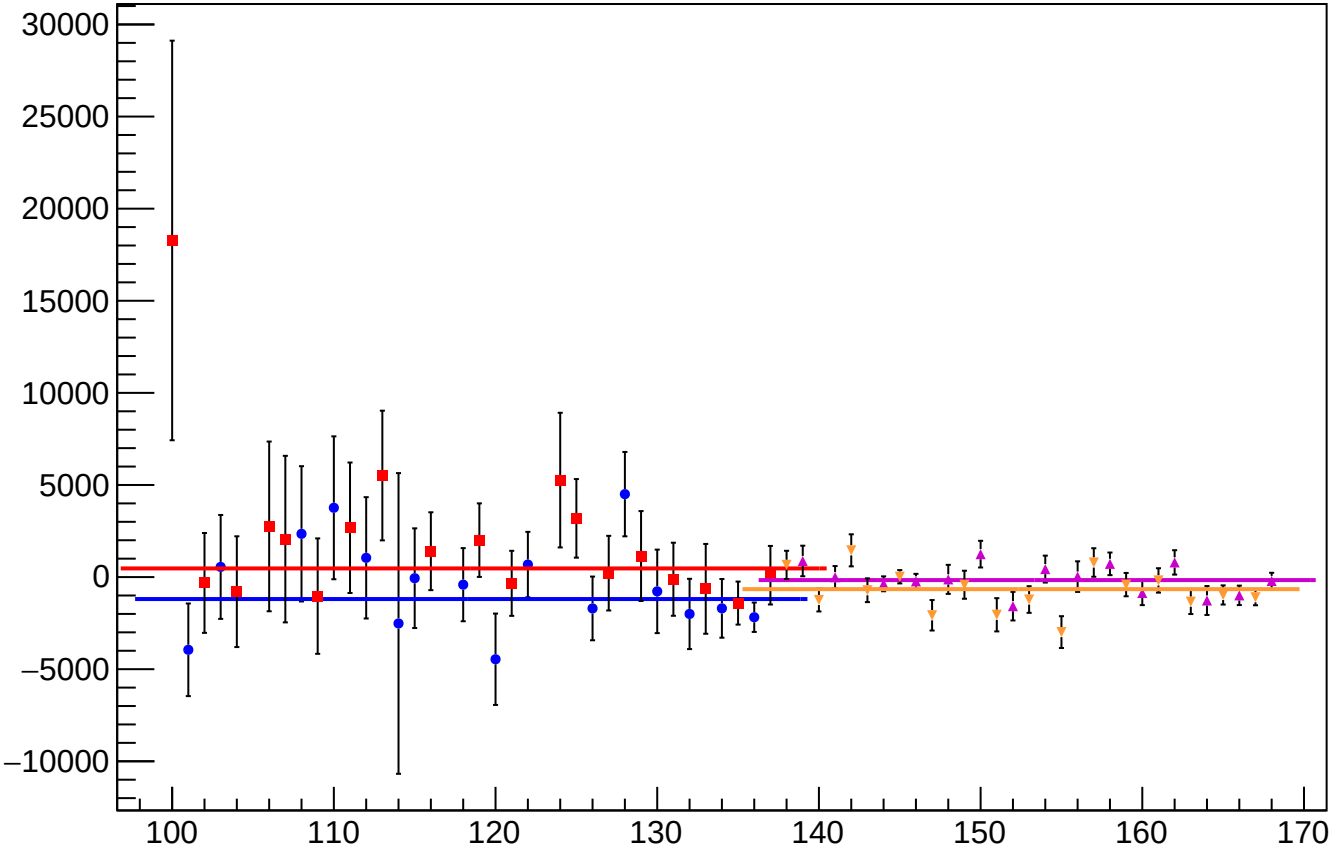
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 90.540+/-0.015 χ^2/NDF:2705474.3/30

Out: 91.826+/-0.015 χ^2/NDF:3073492.9/34

All: 91.179+/-0.011 χ^2/NDF: 5782587.7/65

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: -654.687+/-156.208 χ^2/NDF:33.1/15

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -163.409+/-153.637 χ^2/NDF:19.5/14

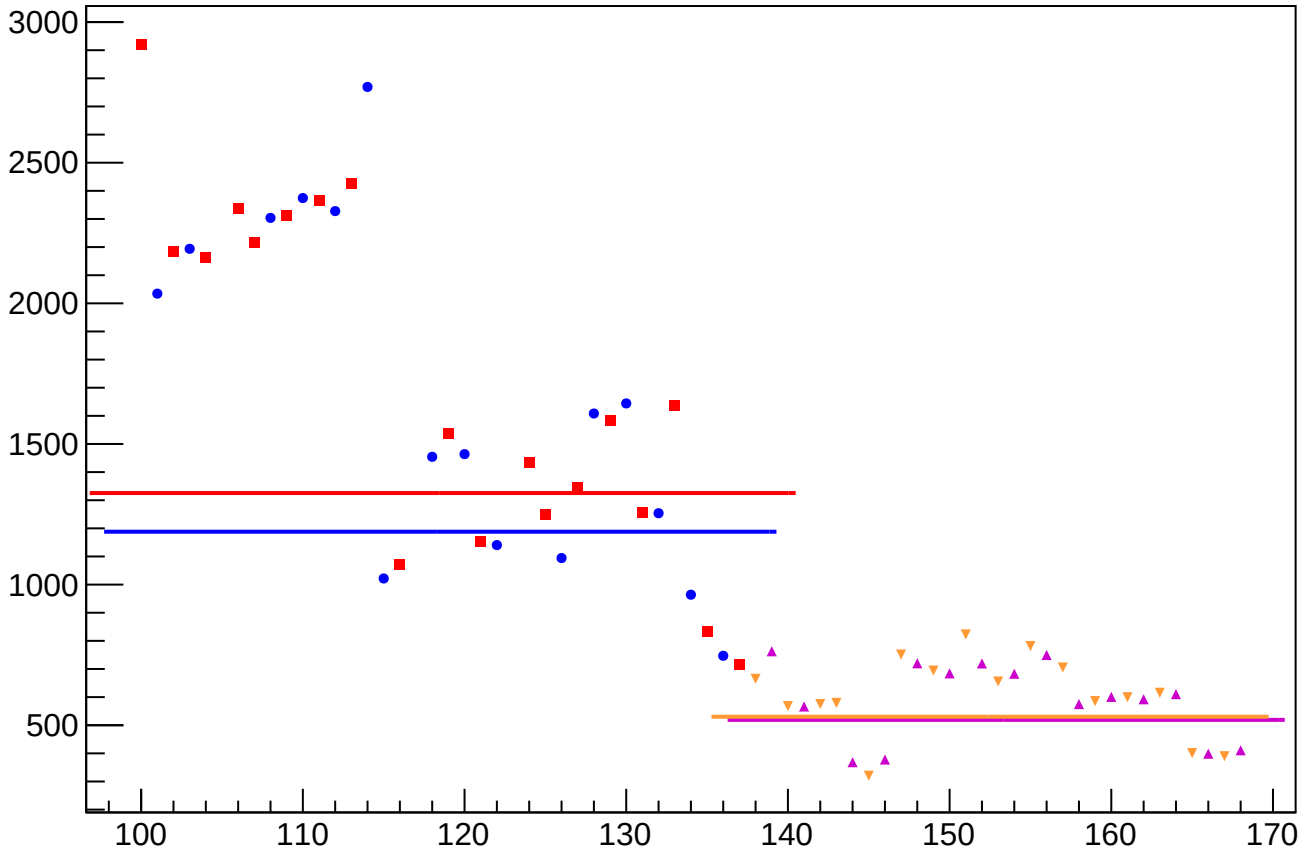
Left: -404.971+/-109.535 χ^2/NDF: 57.6/30

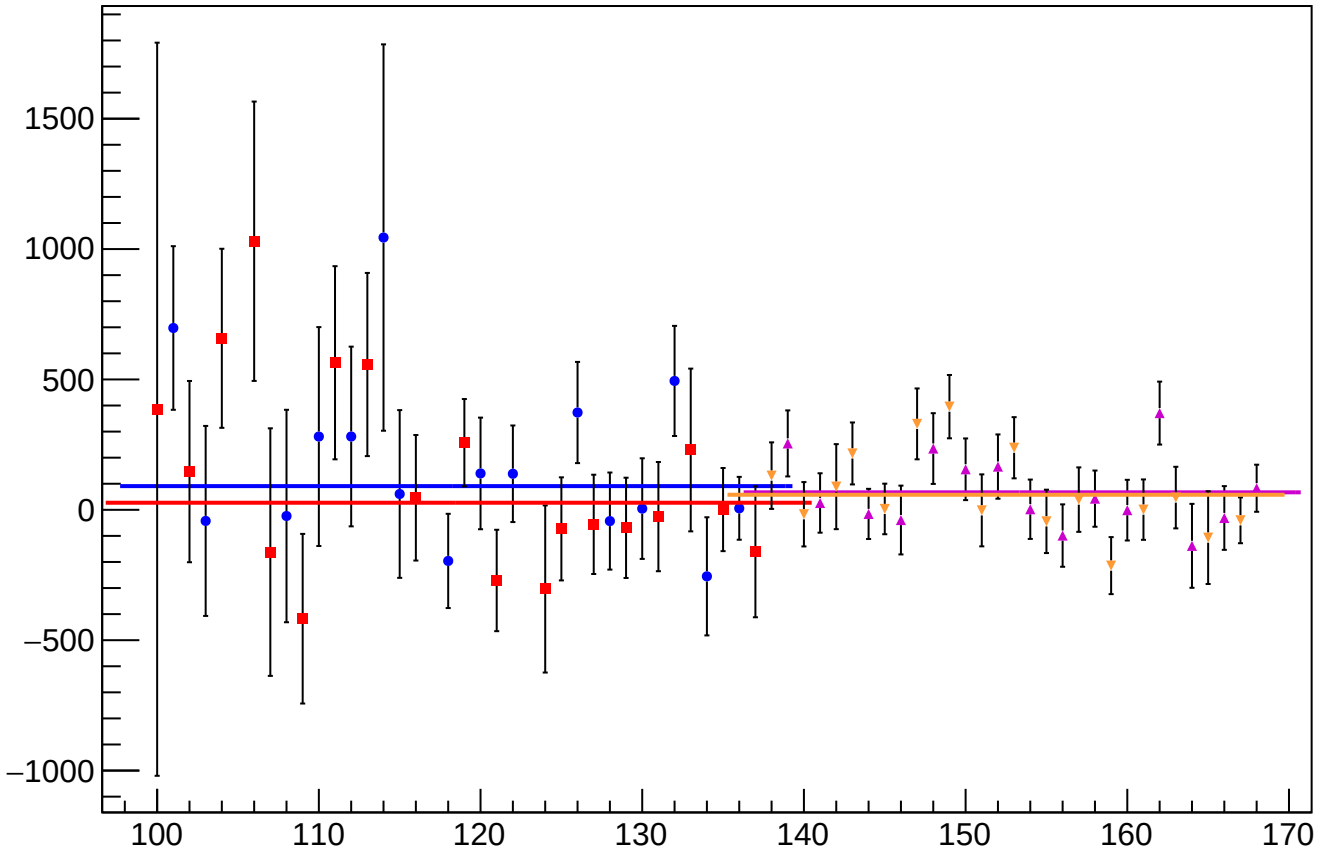
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -259.403+/-146.293 χ^2/NDF:39.6/30

Out: -562.337+/-149.656 χ^2/NDF:50.7/34

All: -407.428+/-104.613 χ^2/NDF: 92.4/65


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 530.288+/-0.110 χ²/NDF:1938555.3/15
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 519.034+/-0.109 χ²/NDF:1647884.3/14
Left: 524.567+/-0.077 χ²/NDF: 3591716.2/30
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 581.463+/-0.103 χ²/NDF:7231548.8/30
Out: 595.605+/-0.106 χ²/NDF:8117171.4/34
All: 588.373+/-0.074 χ²/NDF: 15357851.7/65



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.974 χ^2/NDF:26.4/15

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 67.075+/-30.146 χ^2/NDF:17.7/14

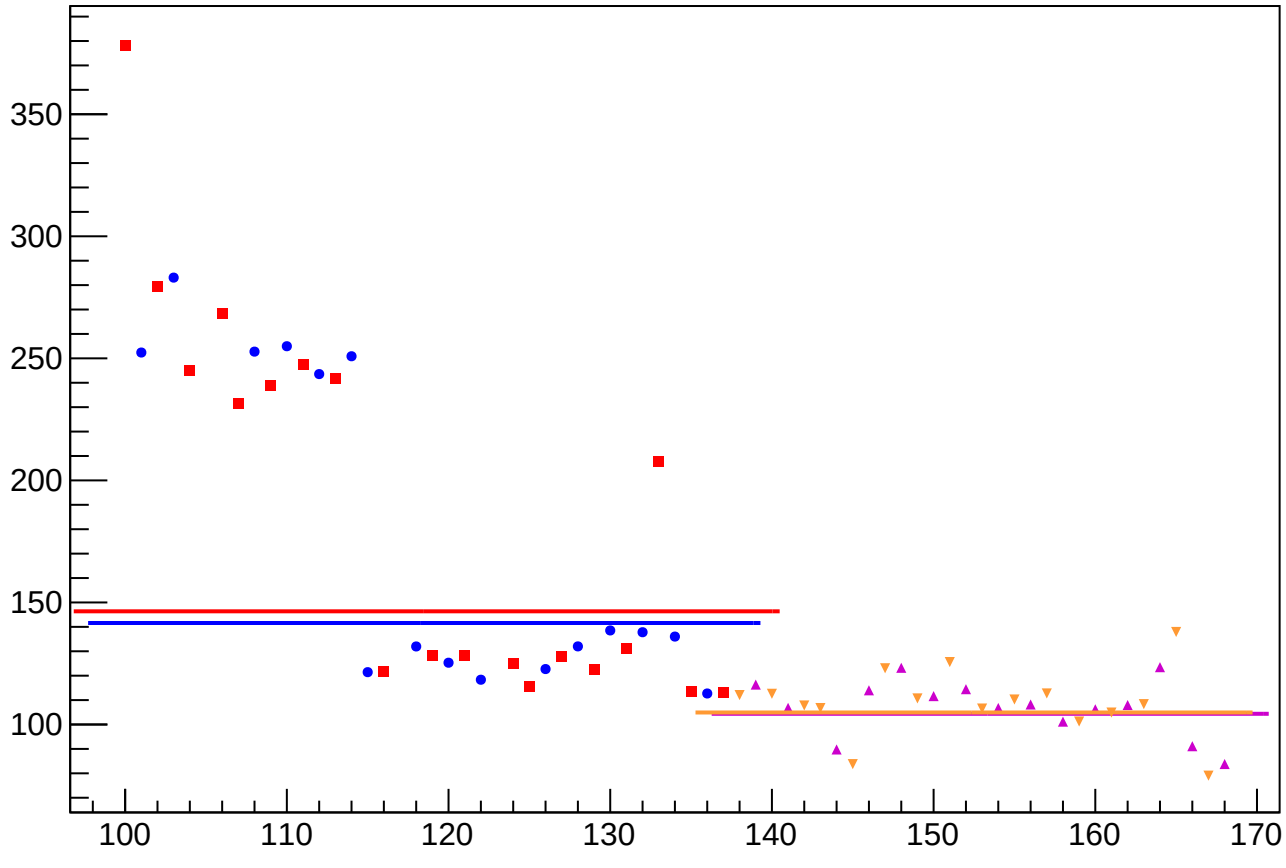
Left: 62.402+/-21.256 χ^2/NDF: 44.1/30

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 72.495+/-26.498 χ^2/NDF:35.9/30

Out: 51.153+/-26.531 χ^2/NDF:47.1/34

All: 61.837+/-18.749 χ^2/NDF: 83.4/65



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.925+/-0.021 χ^2/NDF:453287.9/15

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 104.387+/-0.021 χ^2/NDF:297585.8/14

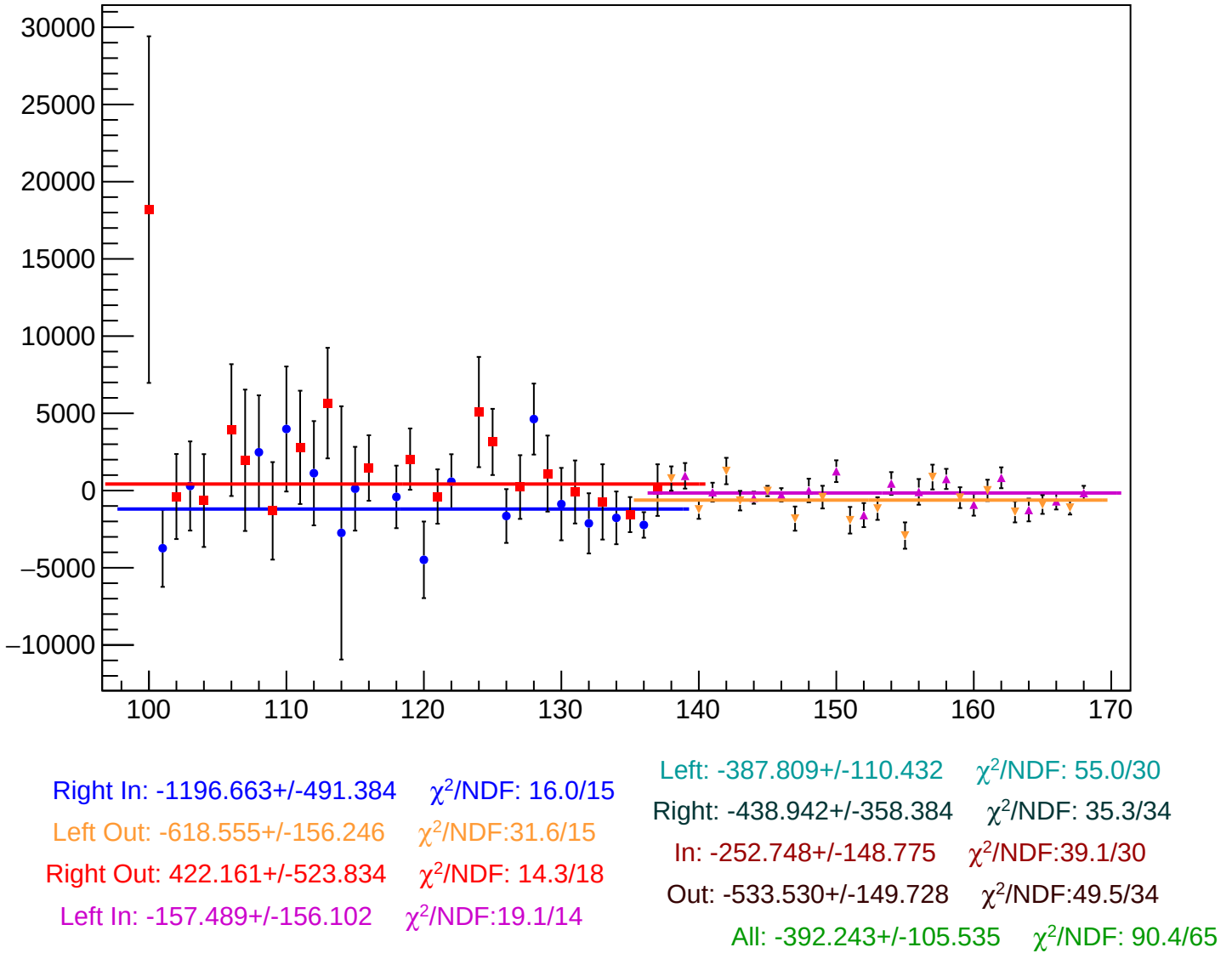
Left: 104.658+/-0.015 χ^2/NDF: 751193.3/30

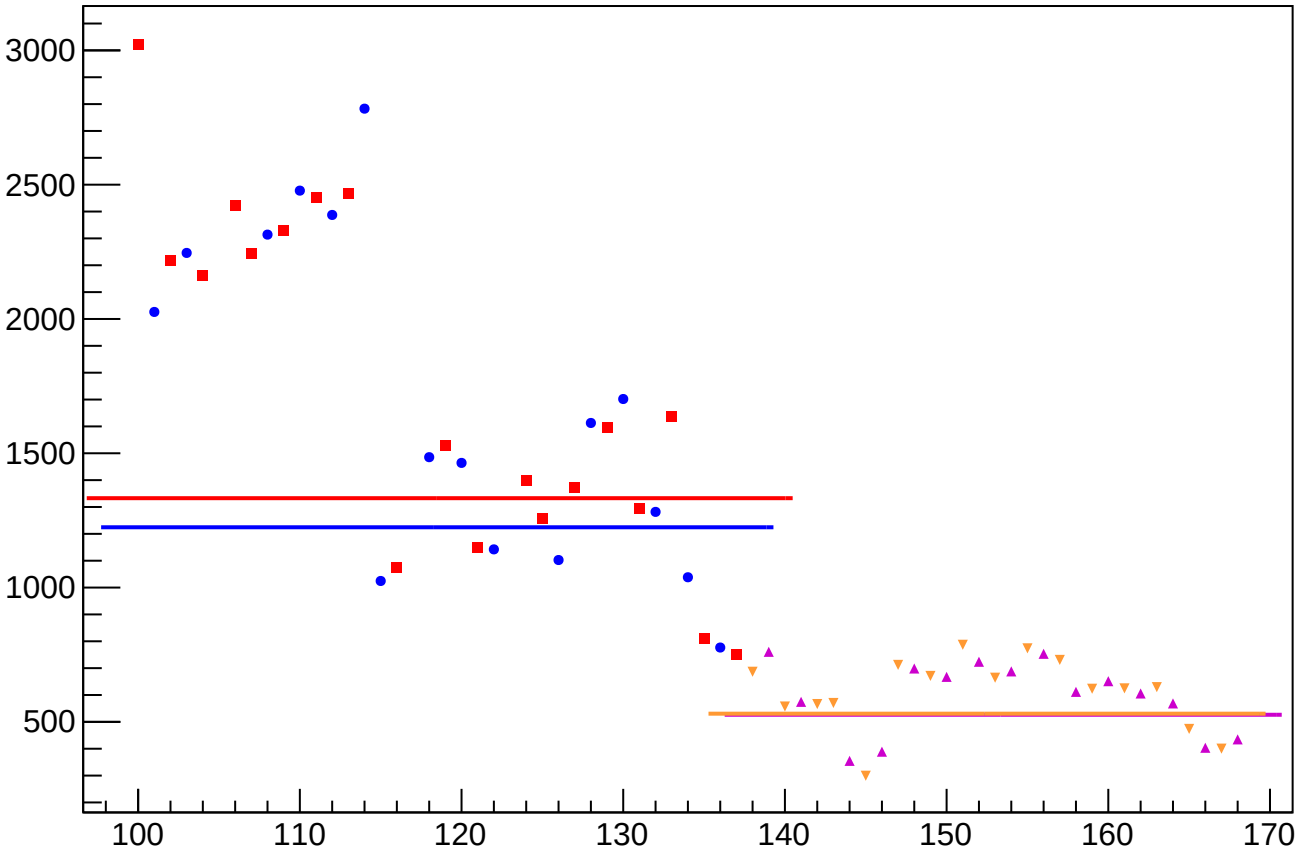
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

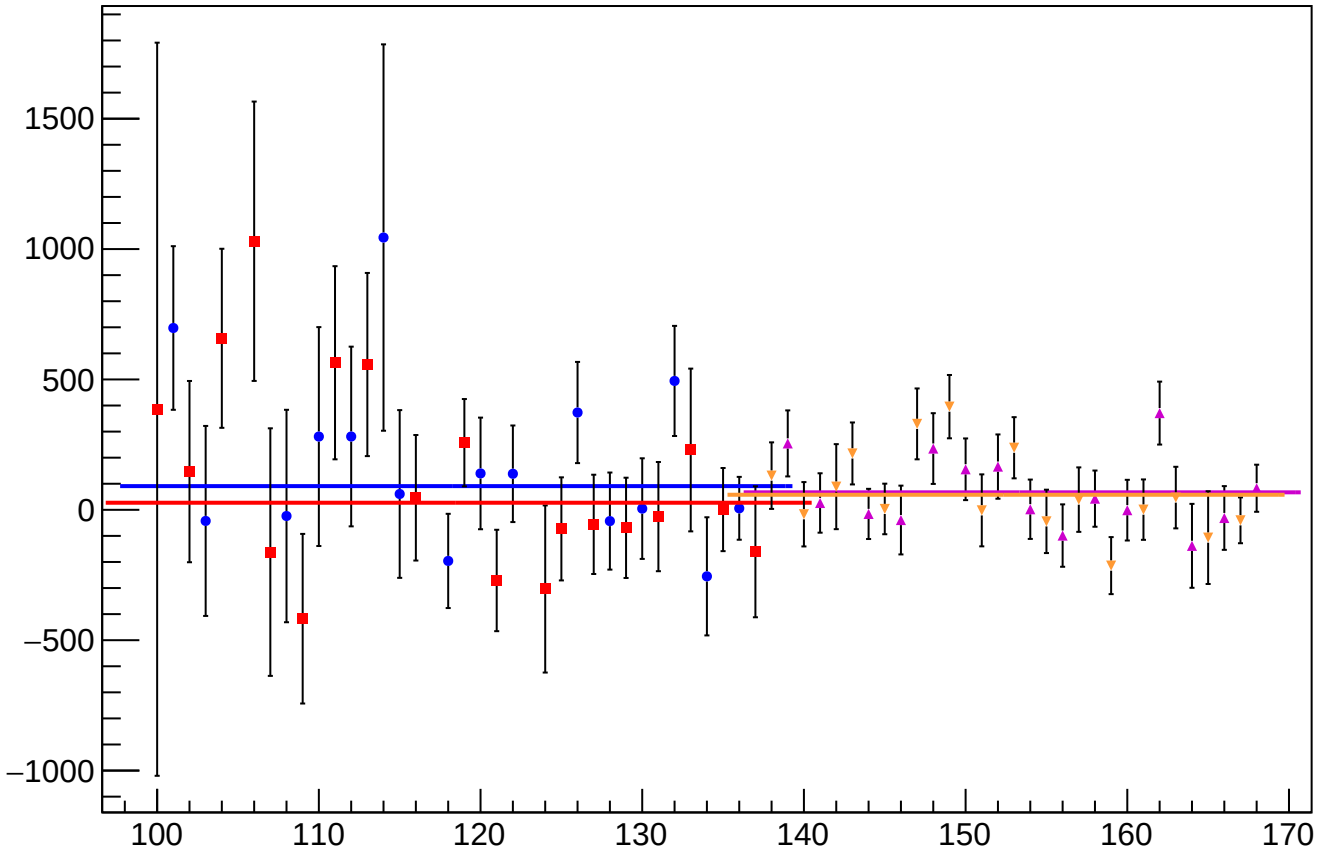
In: 112.847+/-0.019 χ^2/NDF:2252484.0/30

Out: 113.899+/-0.019 χ^2/NDF:2794847.2/34

All: 113.372+/-0.013 χ^2/NDF: 5048905.7/65


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
170
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -618.555+/-156.246 χ²/NDF:31.6/15
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -157.489+/-156.102 χ²/NDF:19.1/14
Left: -387.809+/-110.432 χ²/NDF: 55.0/30
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -252.748+/-148.775 χ²/NDF:39.1/30
Out: -533.530+/-149.728 χ²/NDF:49.5/34
All: -392.243+/-105.535 χ²/NDF: 90.4/65


asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959362.3/15
Left Out: 530.473+/-0.110 χ²/NDF:2068514.6/15
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 526.406+/-0.110 χ²/NDF:1625340.1/14
Left: 528.438+/-0.078 χ²/NDF: 3694532.8/30
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 590.396+/-0.105 χ²/NDF:7250958.4/30
Out: 596.021+/-0.106 χ²/NDF:8371707.8/34
All: 593.191+/-0.075 χ²/NDF: 15624086.2/65



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 57.781+/-29.975 χ^2/NDF:26.4/15

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 67.072+/-30.146 χ^2/NDF:17.7/14

Left: 62.400+/-21.256 χ^2/NDF: 44.1/30

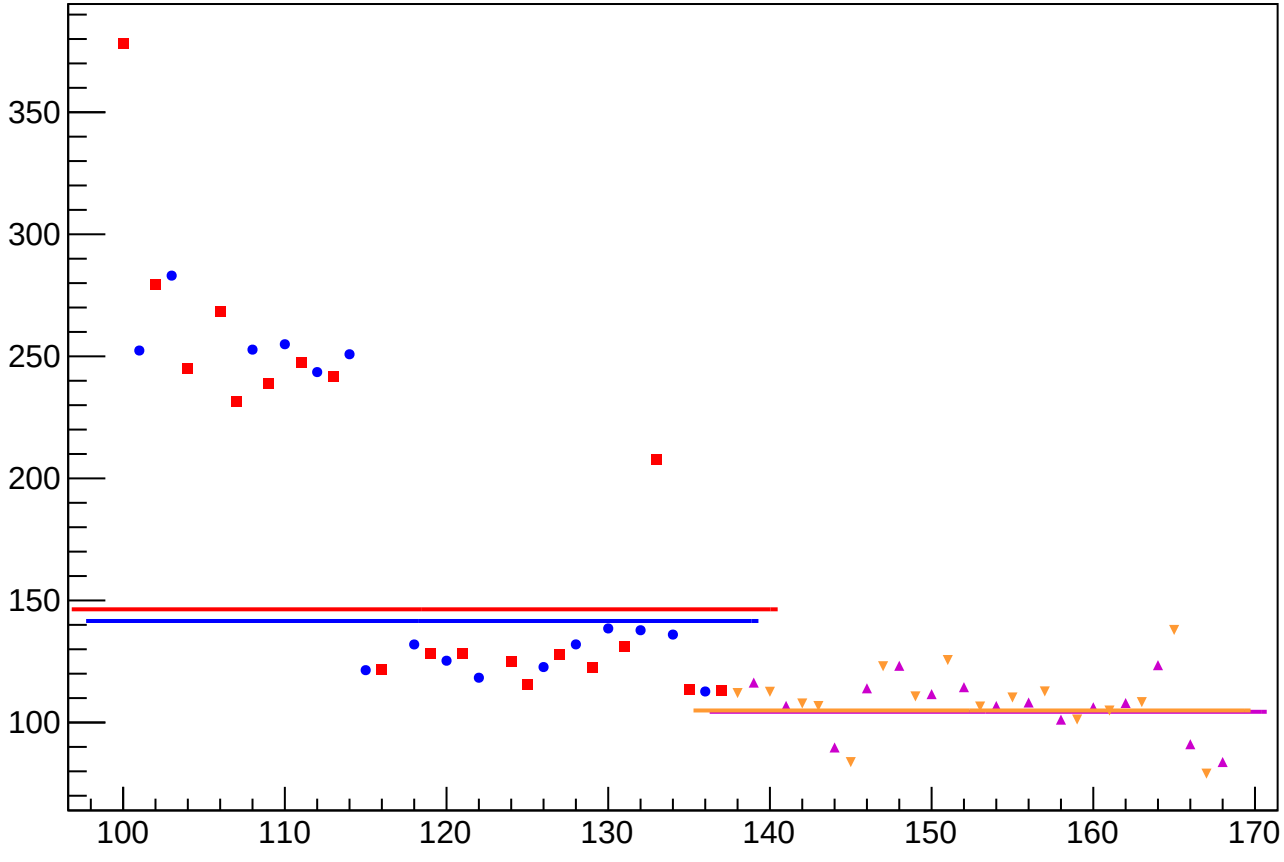
Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 72.493+/-26.498 χ^2/NDF:35.9/30

Out: 51.152+/-26.531 χ^2/NDF:47.1/34

All: 61.836+/-18.749 χ^2/NDF: 83.4/65

eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 104.925+/-0.021 χ^2/NDF:453282.9/15

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 104.388+/-0.021 χ^2/NDF:297581.5/14

Left: 104.658+/-0.015 χ^2/NDF: 751184.0/30

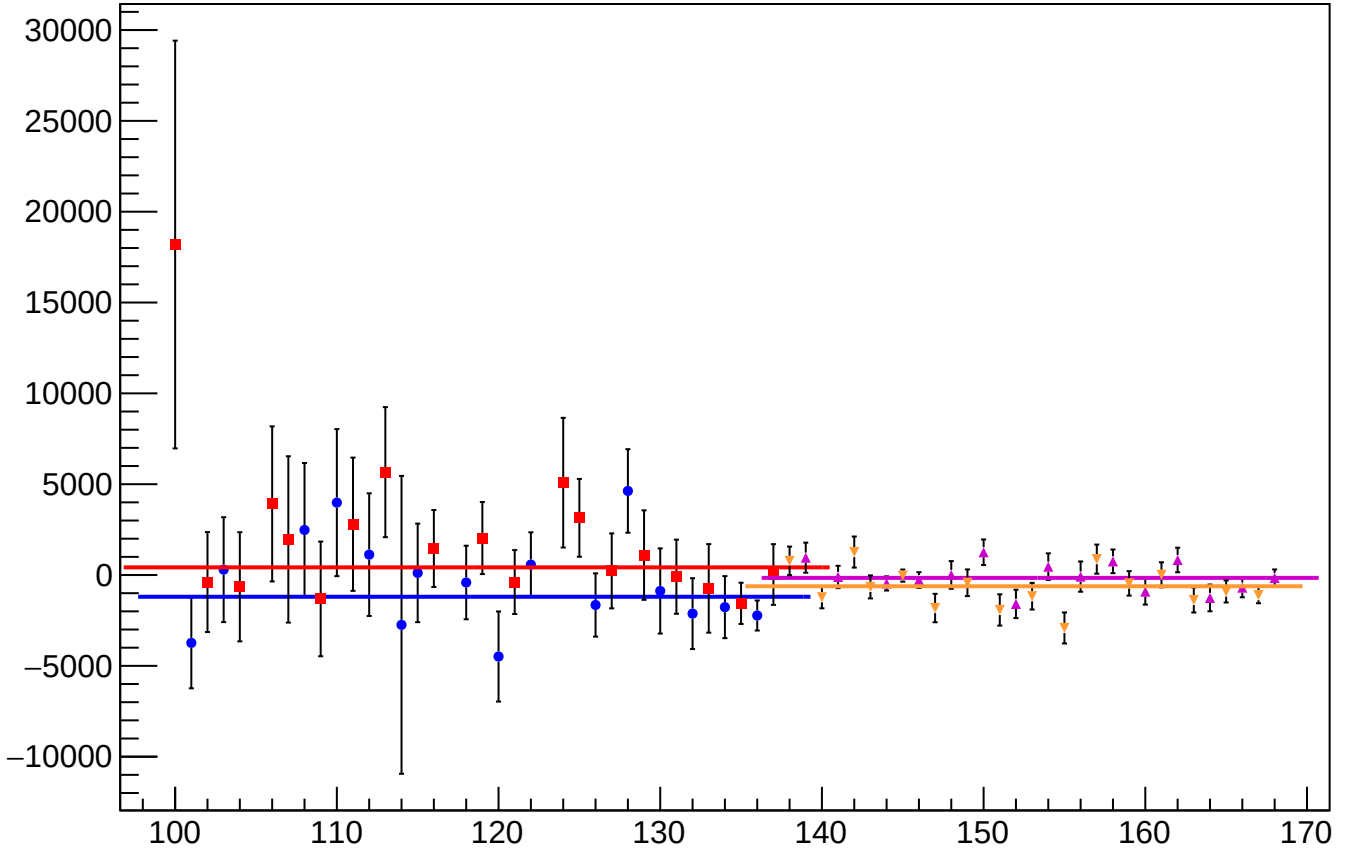
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 112.847+/-0.019 χ^2/NDF:2252428.7/30

Out: 113.899+/-0.019 χ^2/NDF:2794804.8/34

All: 113.373+/-0.013 χ^2/NDF: 5048807.9/65

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: -618.553+/-156.246 χ^2/NDF:31.6/15

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -157.490+/-156.102 χ^2/NDF:19.1/14

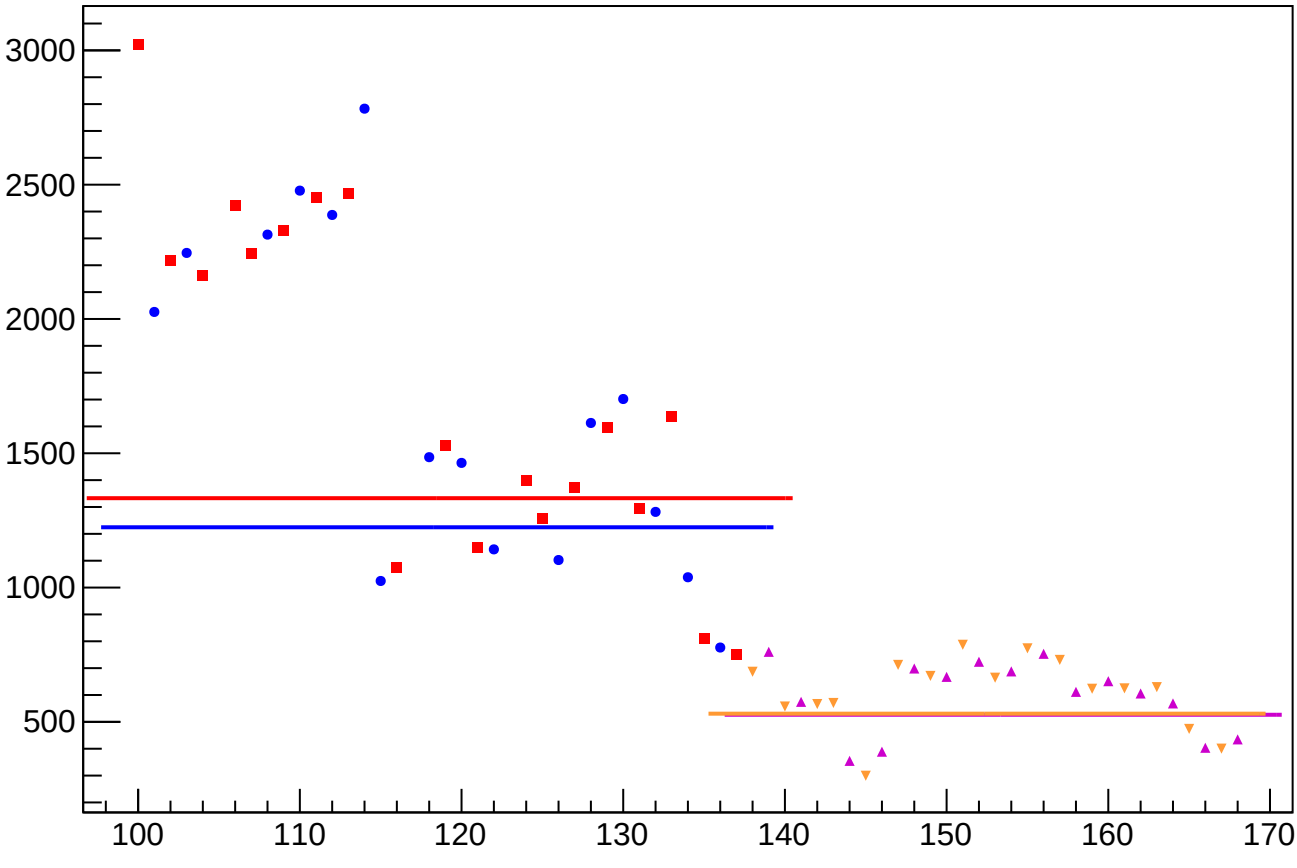
Left: -387.809+/-110.432 χ^2/NDF: 55.0/30

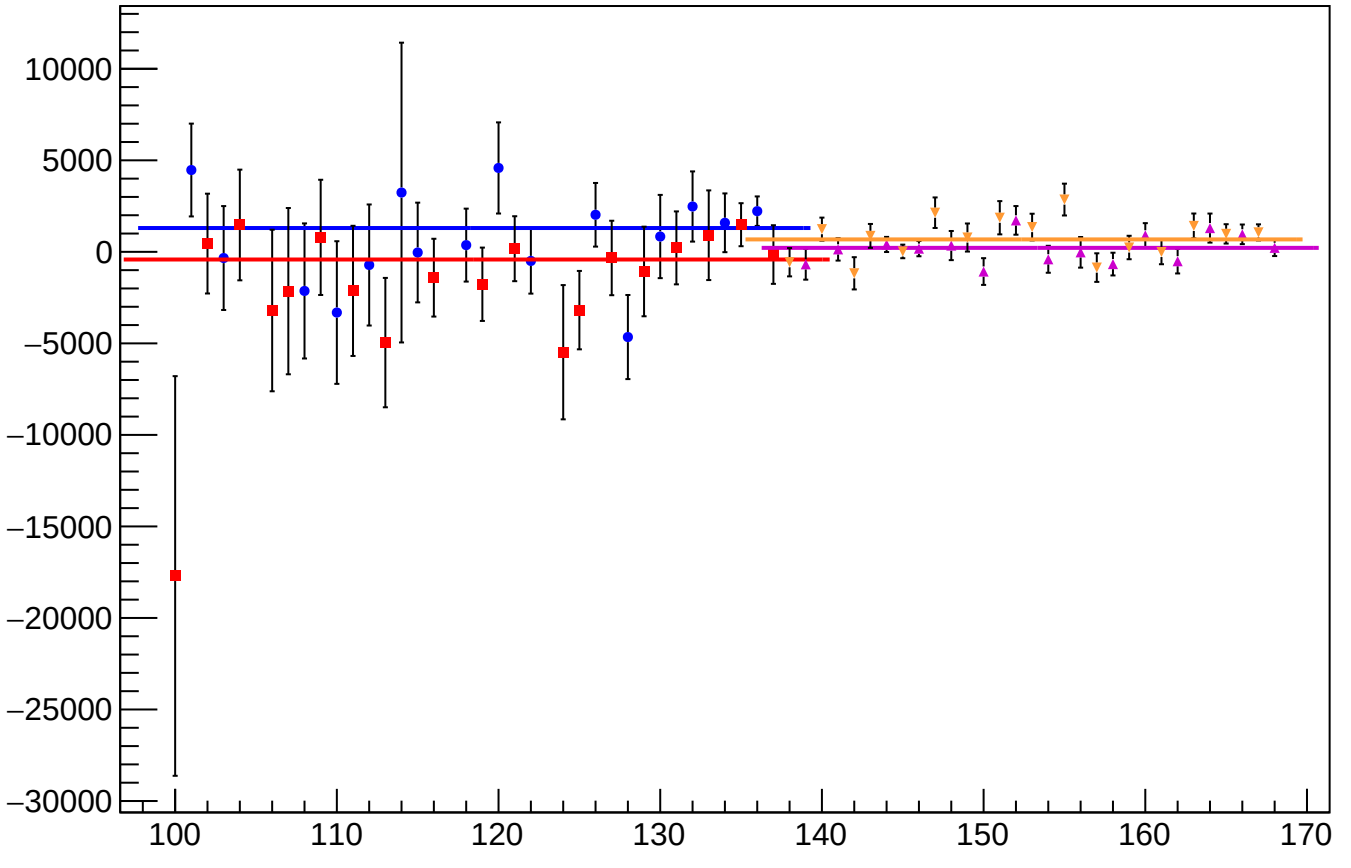
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -252.748+/-148.775 χ^2/NDF:39.1/30

Out: -533.528+/-149.727 χ^2/NDF:49.5/34

All: -392.242+/-105.535 χ^2/NDF: 90.4/65


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 530.472+/-0.110 χ²/NDF:2068556.0/15
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 526.406+/-0.110 χ²/NDF:1625352.8/14
Left: 528.437+/-0.078 χ²/NDF: 3694586.5/30
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 590.396+/-0.105 χ²/NDF:7250958.6/30
Out: 596.020+/-0.106 χ²/NDF:8371748.9/34
All: 593.190+/-0.075 χ²/NDF: 15624127.2/65



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 679.604+/-158.339 χ^2/NDF:30.6/15

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 217.561+/-155.809 χ^2/NDF:17.1/14

Left: 444.863+/-111.057 χ^2/NDF: 52.0/30

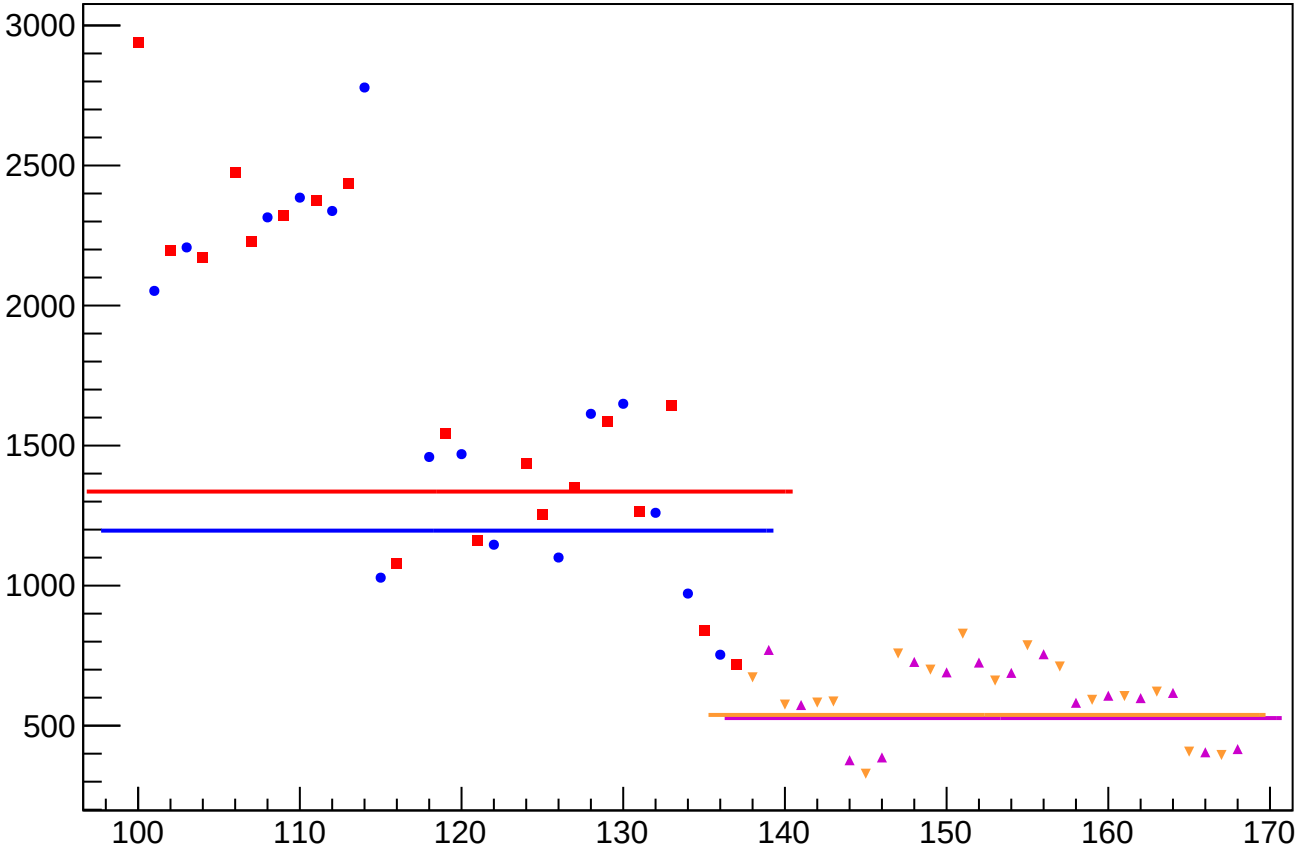
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 320.138+/-148.255 χ^2/NDF:38.1/30

Out: 587.910+/-151.583 χ^2/NDF:47.7/34

All: 451.053+/-105.989 χ^2/NDF: 87.4/65

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 538.341+/-0.112 χ^2/NDF:1871828.3/15

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 527.086+/-0.110 χ^2/NDF:1591429.7/14

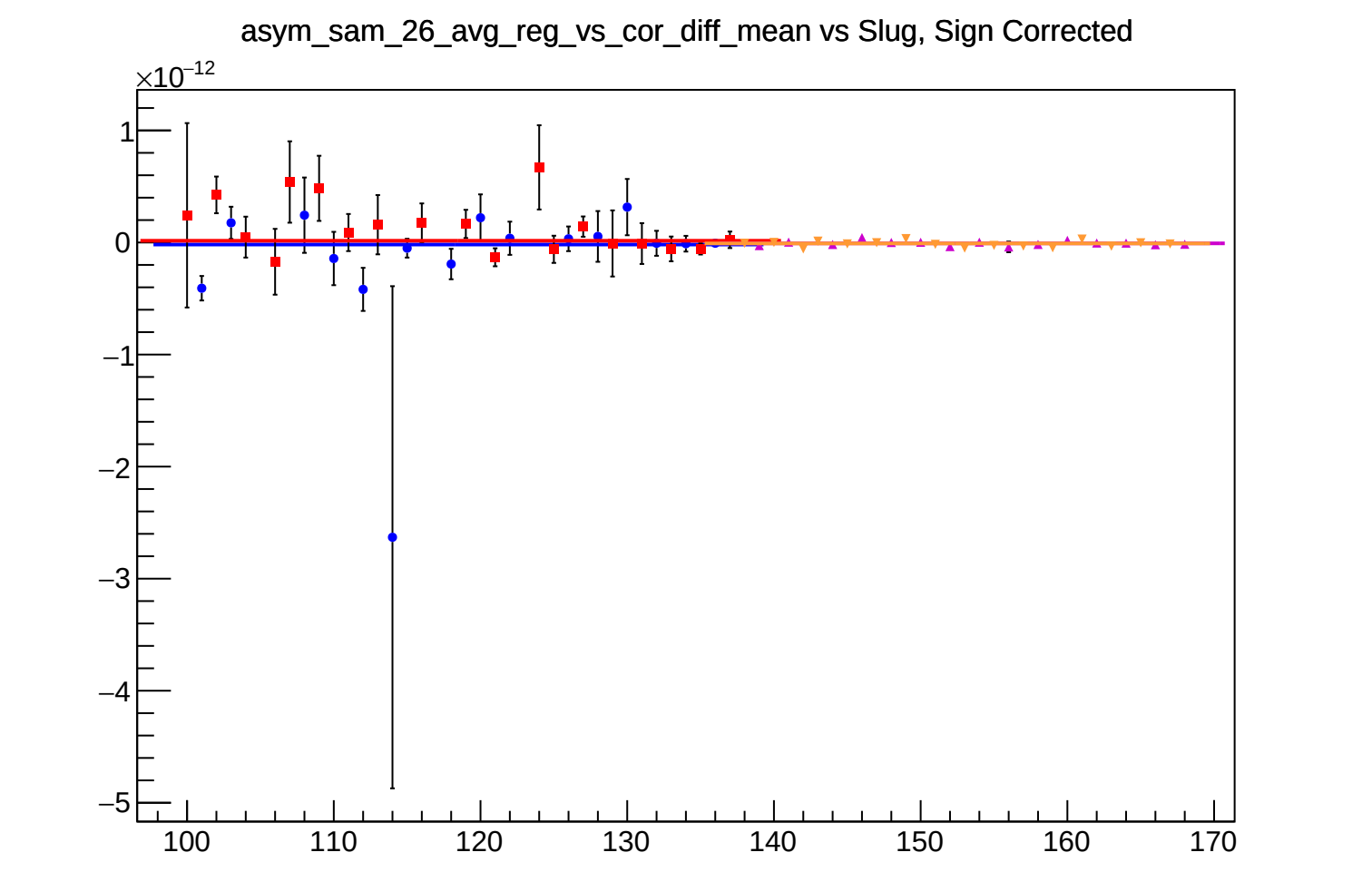
Left: 532.623+/-0.079 χ^2/NDF: 3468392.1/30

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 590.414+/-0.105 χ^2/NDF:7114848.5/30

Out: 604.945+/-0.107 χ^2/NDF:8060349.6/34

All: 597.518+/-0.075 χ^2/NDF: 15184590.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/14

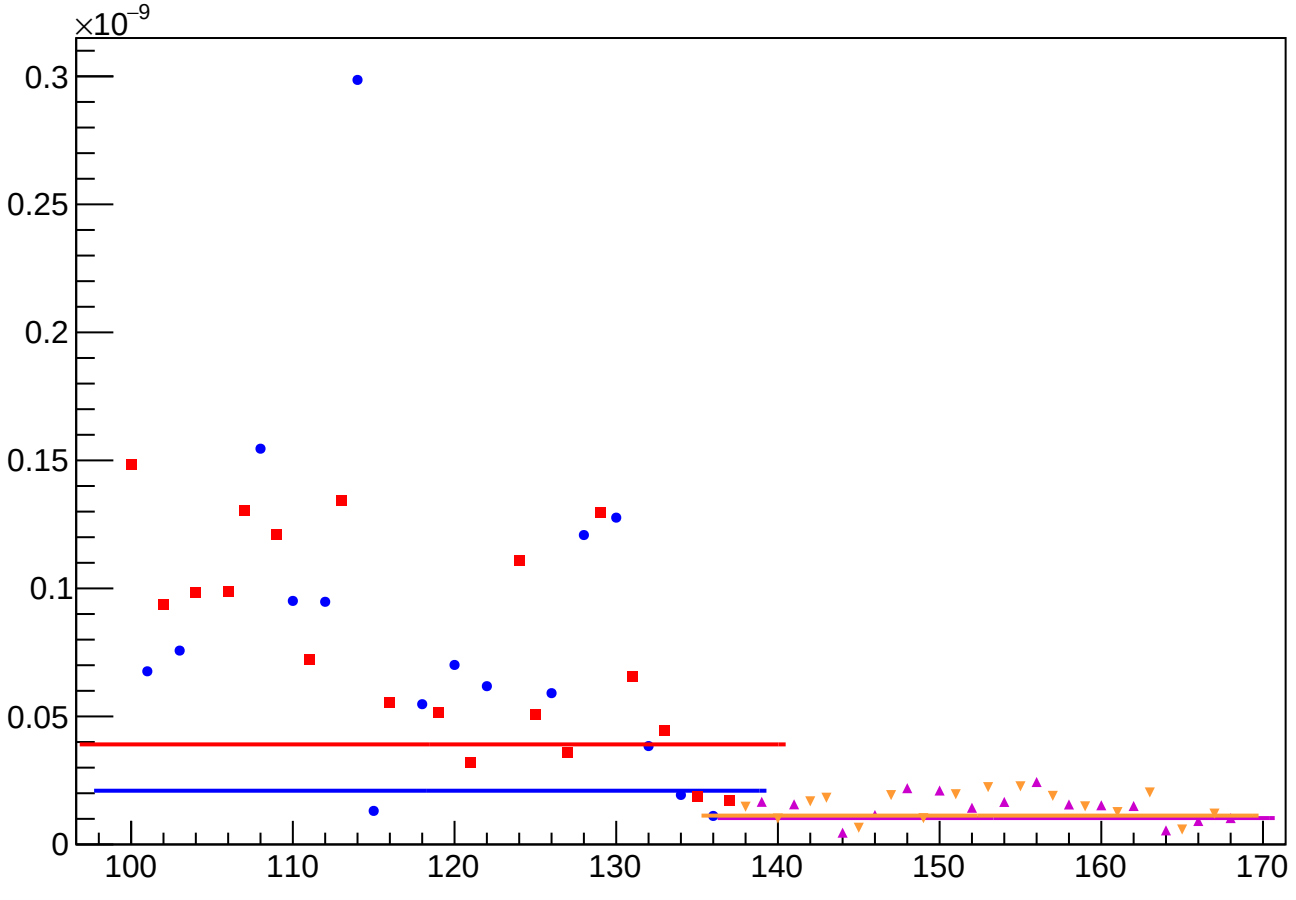
Left: -0.000+/-0.000 χ^2/NDF: 27.8/30

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.3/30

Out: -0.000+/-0.000 χ^2/NDF:40.9/34

All: -0.000+/-0.000 χ^2/NDF: 81.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806620.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2017809.5/14

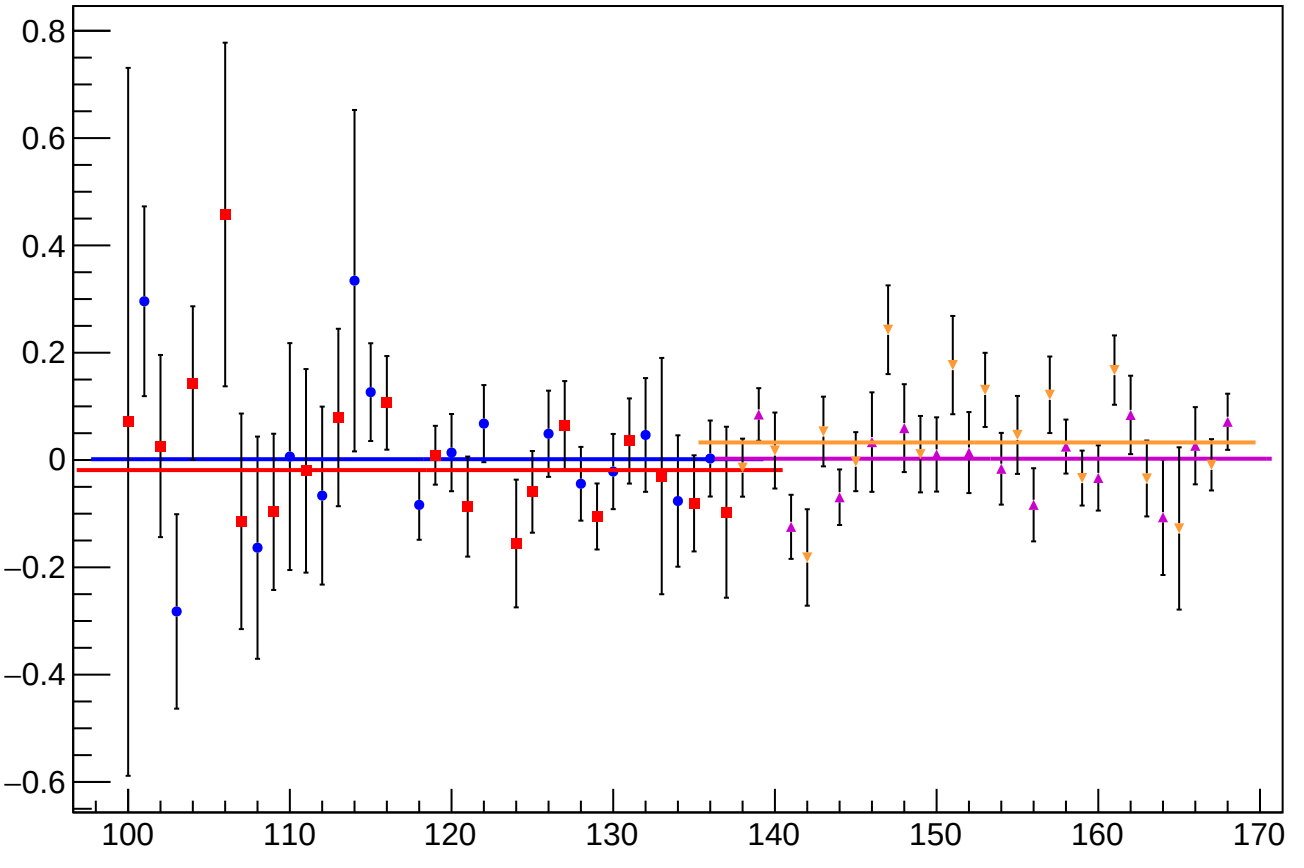
Left: 0.000+/-0.000 χ^2/NDF: 3855816.9/30

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6058108.7/30

Out: 0.000+/-0.000 χ^2/NDF:5838644.1/34

All: 0.000+/-0.000 χ^2/NDF: 11941152.4/65



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.002+/-0.017 χ^2/NDF:16.2/14

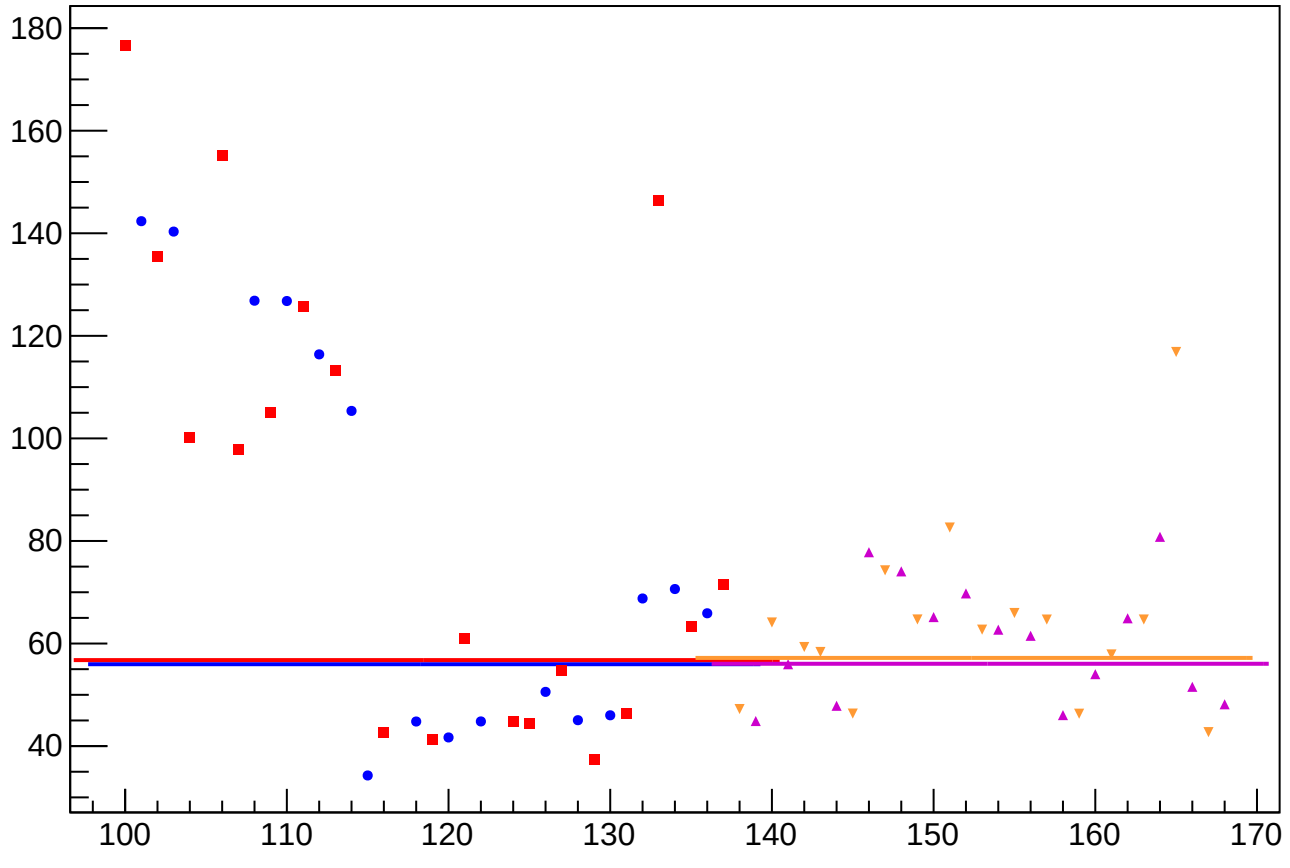
Left: 0.017+/-0.012 χ^2/NDF: 46.3/30

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.014 χ^2/NDF:29.3/30

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.009+/-0.010 χ^2/NDF: 74.5/65



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.054+/-0.012 χ^2/NDF:763701.6/14

Left: 56.620+/-0.008 χ^2/NDF: 1867615.5/30

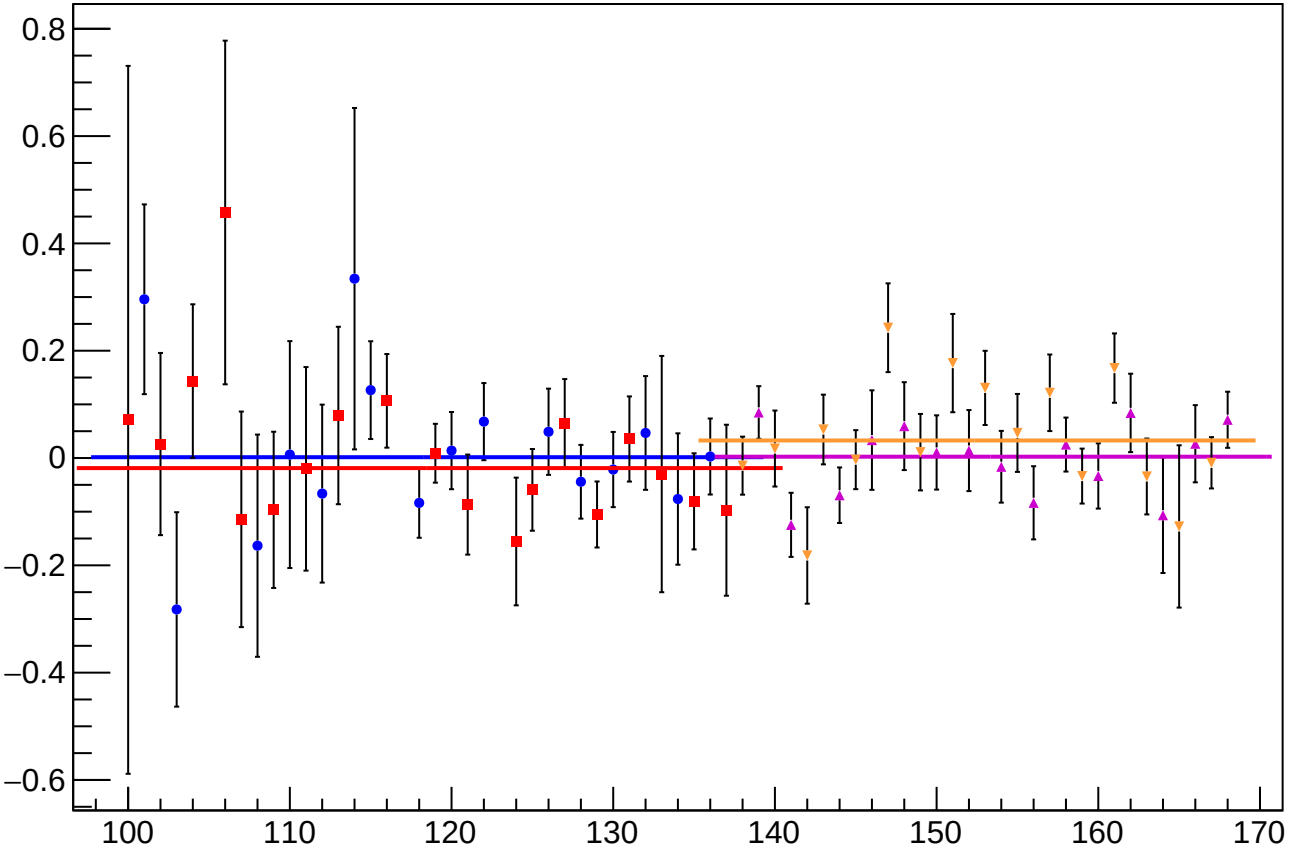
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.026+/-0.010 χ^2/NDF:2943548.9/30

Out: 57.053+/-0.010 χ^2/NDF:3652851.6/34

All: 56.536+/-0.007 χ^2/NDF: 6602144.8/65

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: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.002+/-0.017 χ^2/NDF:16.2/14

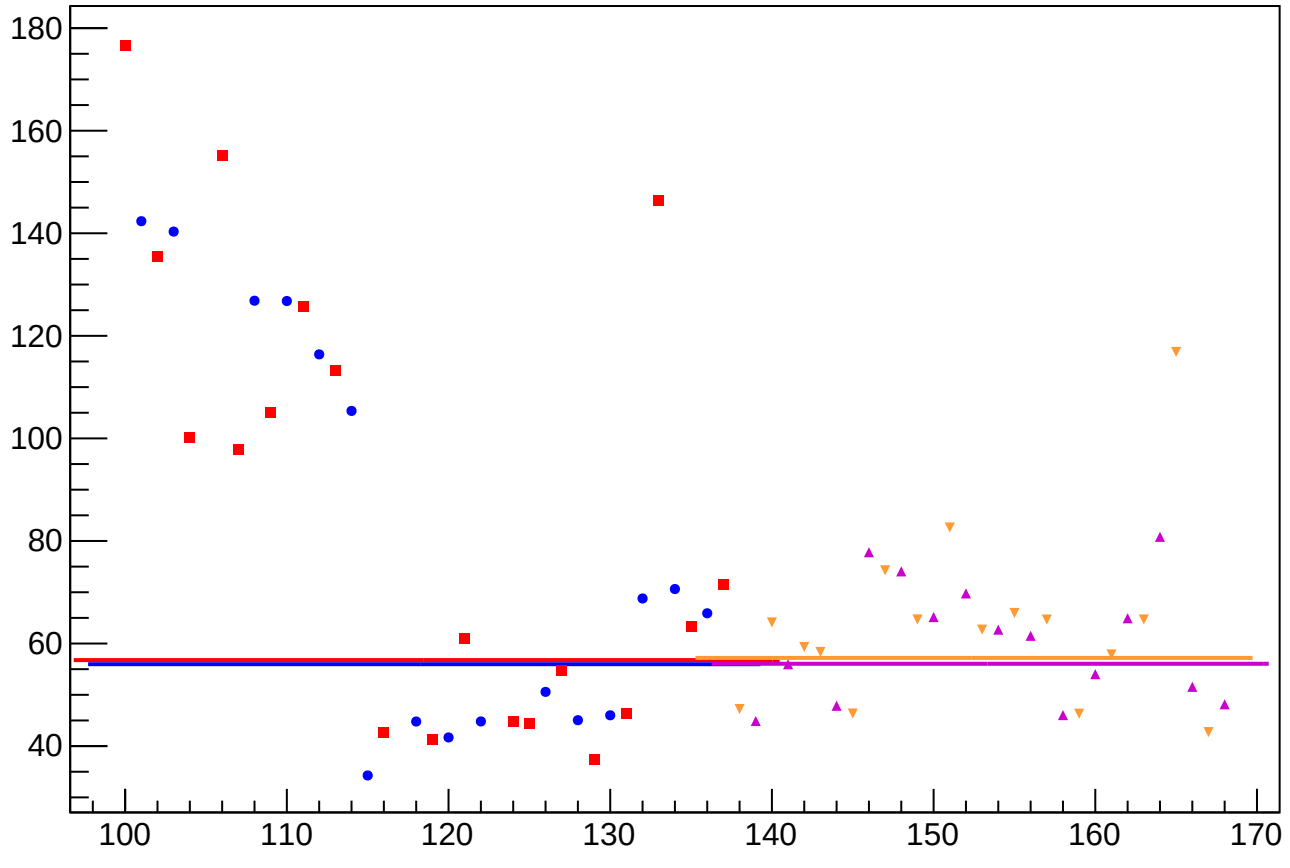
Left: 0.017+/-0.012 χ^2/NDF: 46.3/30

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.014 χ^2/NDF:29.3/30

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.009+/-0.010 χ^2/NDF: 74.5/65



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.196+/-0.012 χ^2/NDF:1099192.8/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.054+/-0.012 χ^2/NDF:763701.6/14

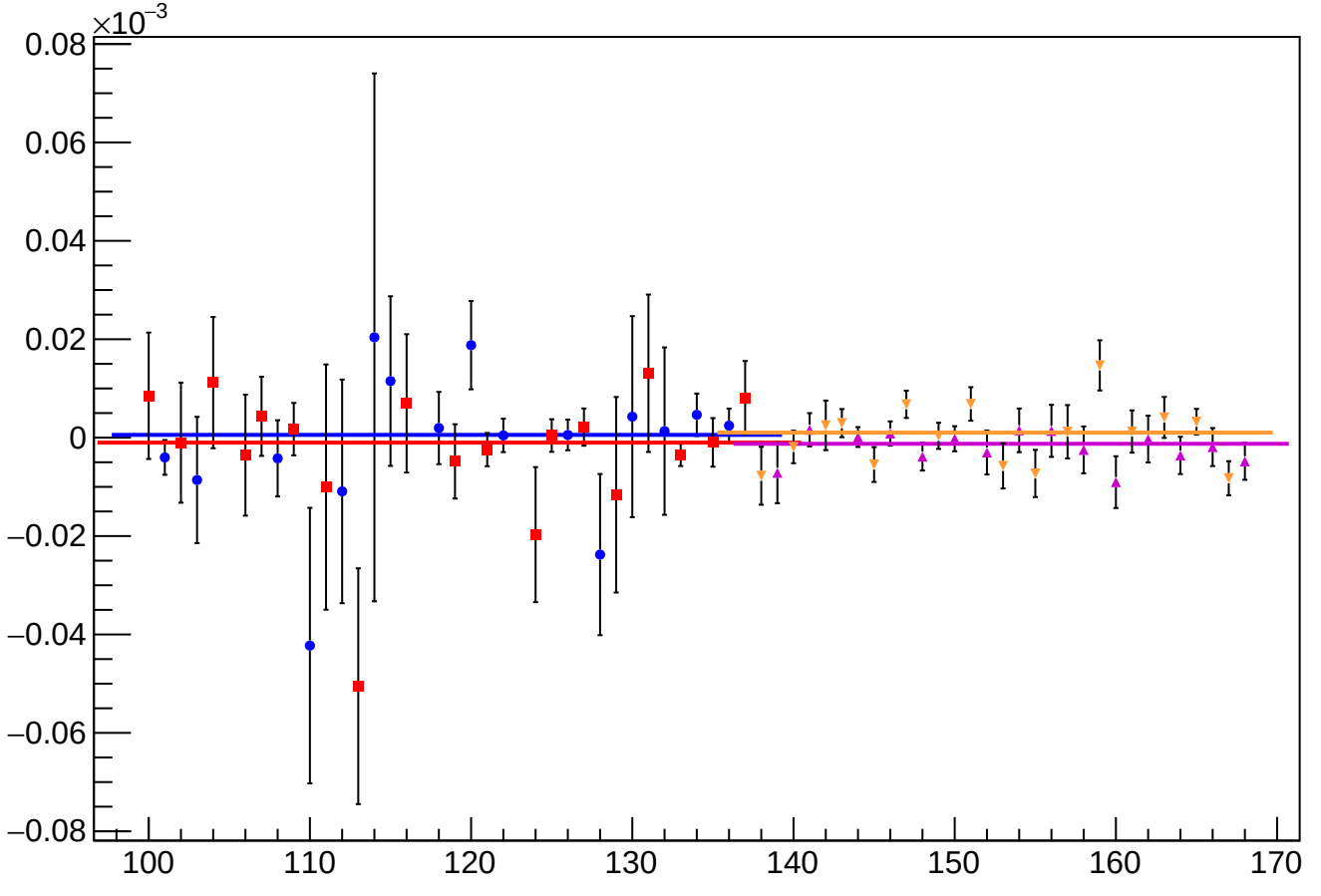
Left: 56.620+/-0.008 χ^2/NDF: 1867615.5/30

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.026+/-0.010 χ^2/NDF:2943548.9/30

Out: 57.053+/-0.010 χ^2/NDF:3652851.6/34

All: 56.536+/-0.007 χ^2/NDF: 6602144.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/14

Left: -0.000+/-0.000 χ^2/NDF: 46.4/30

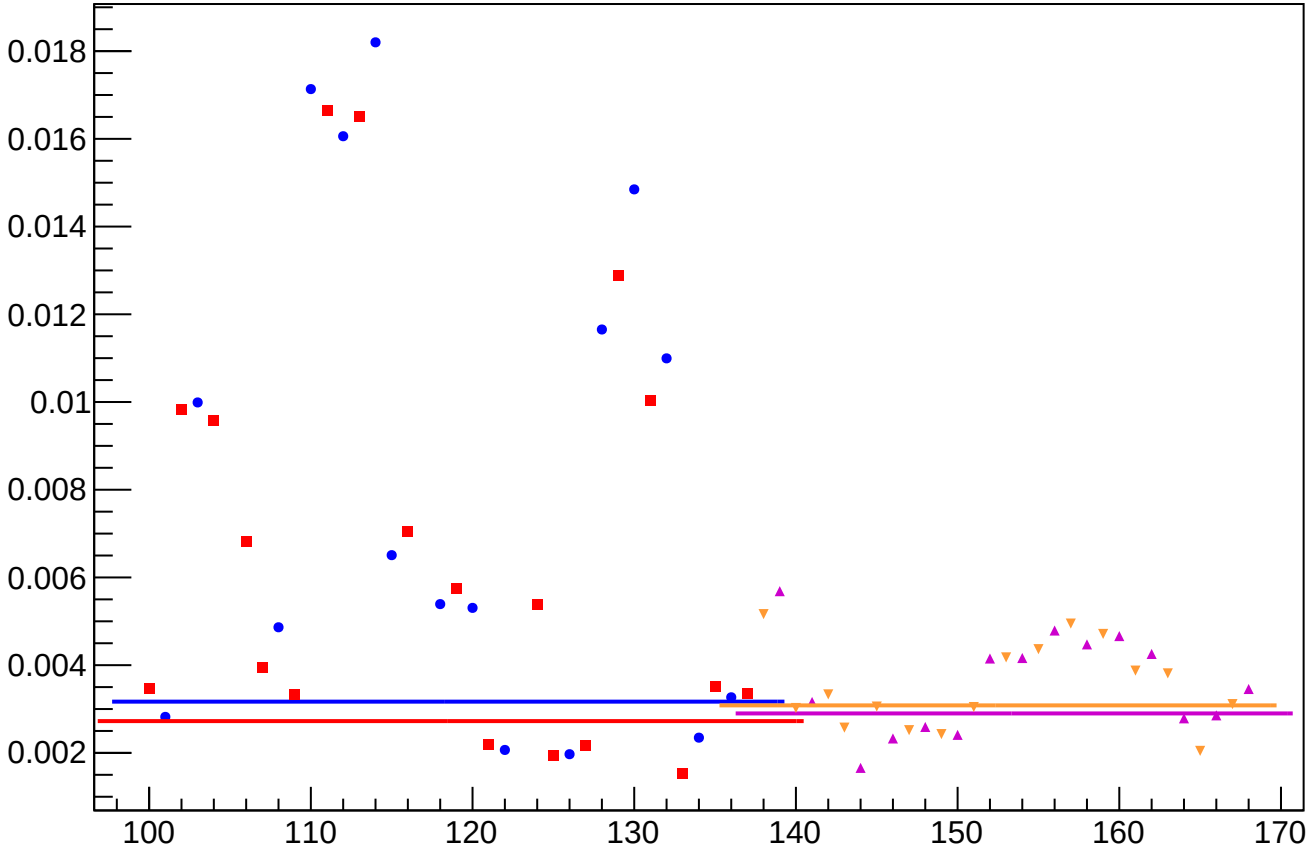
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:22.7/30

Out: 0.000+/-0.000 χ^2/NDF:50.4/34

All: -0.000+/-0.000 χ^2/NDF: 74.2/65

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:1662876.1/15

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2606218.8/14

Left: 0.003+/-0.000 χ^2/NDF: 4311162.0/30

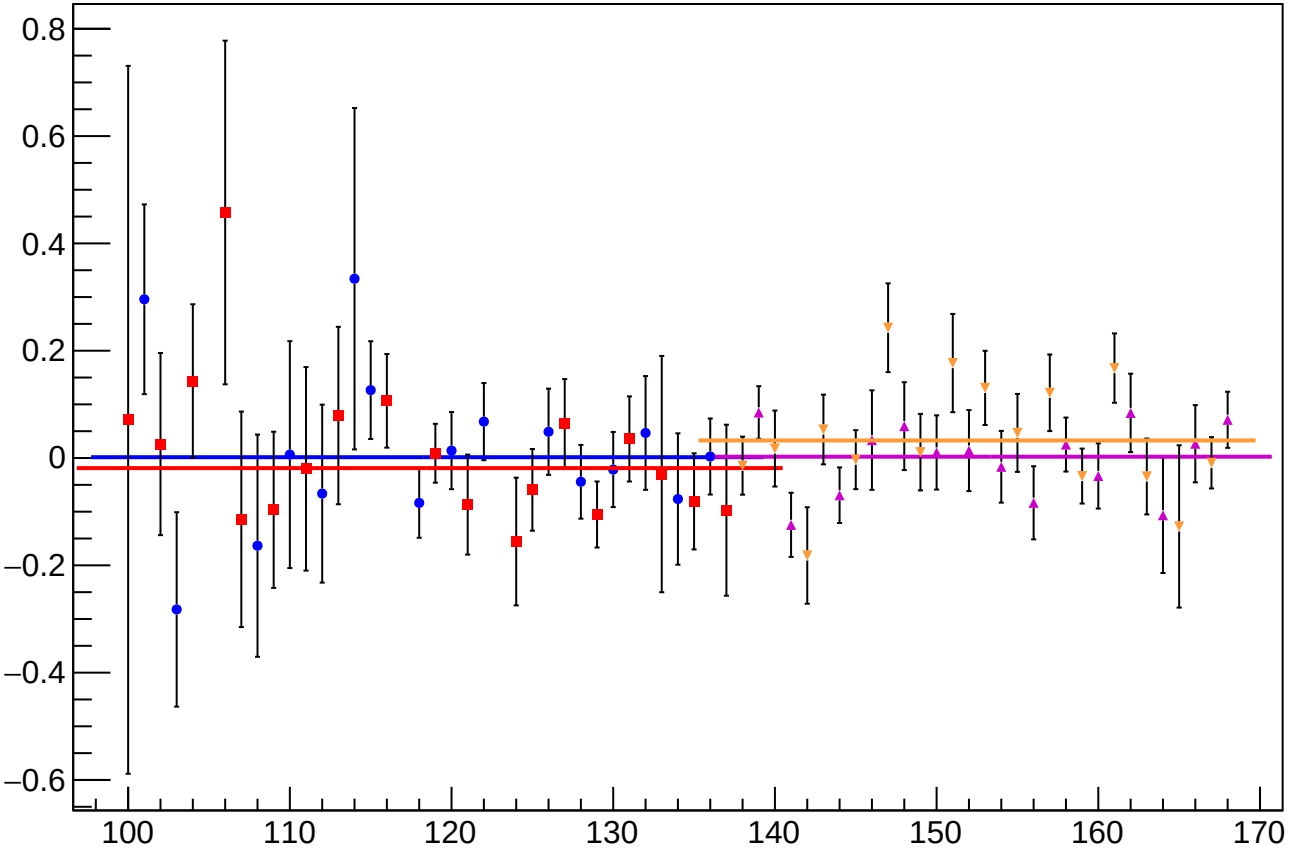
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7202002.4/30

Out: 0.003+/-0.000 χ^2/NDF:6921466.0/34

All: 0.003+/-0.000 χ^2/NDF: 14123640.4/65

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: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.002+/-0.017 χ^2/NDF:16.2/14

Left: 0.017+/-0.012 χ^2/NDF: 46.3/30

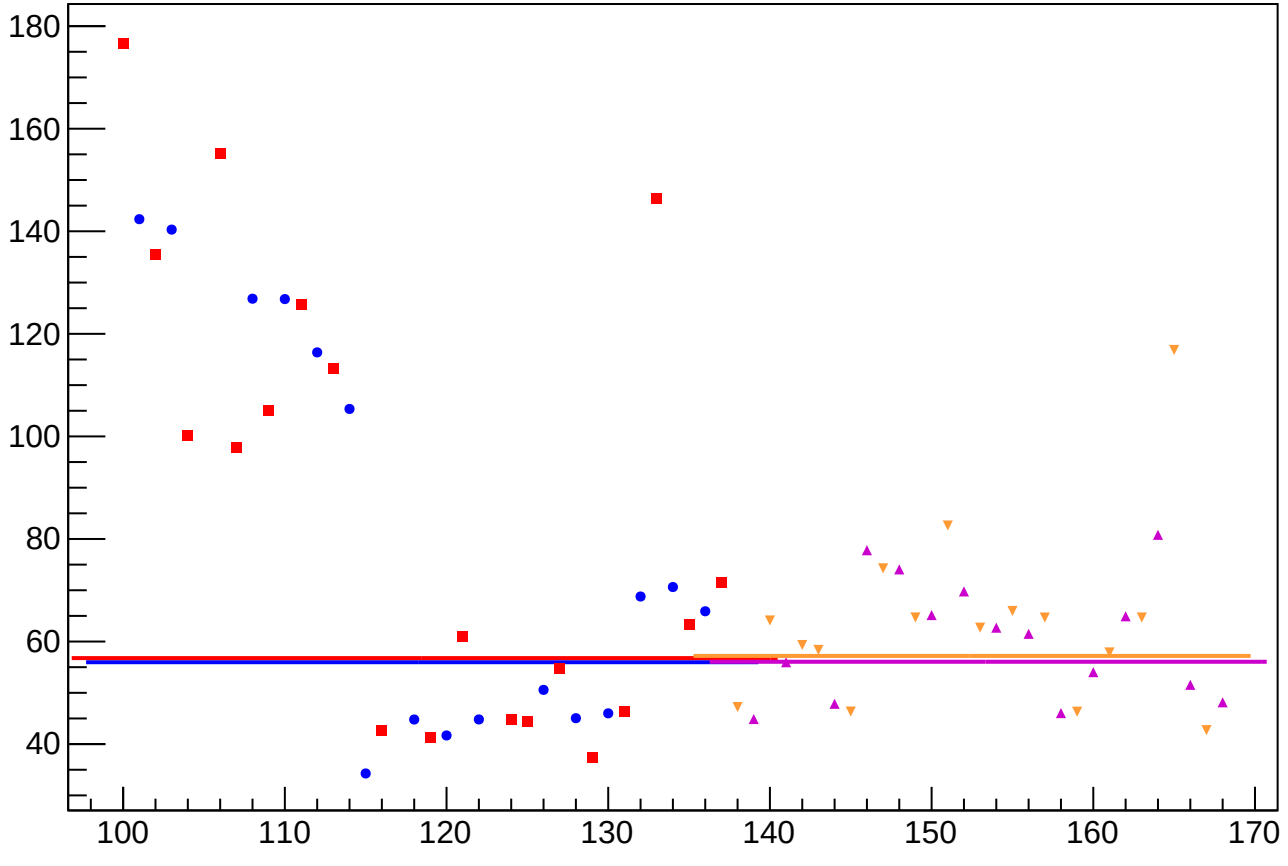
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.014 χ^2/NDF:29.3/30

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.009+/-0.010 χ^2/NDF: 74.5/65

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: 57.196+/-0.012 χ^2/NDF:1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.055+/-0.012 χ^2/NDF:763696.2/14

Left: 56.621+/-0.008 χ^2/NDF: 1867611.9/30

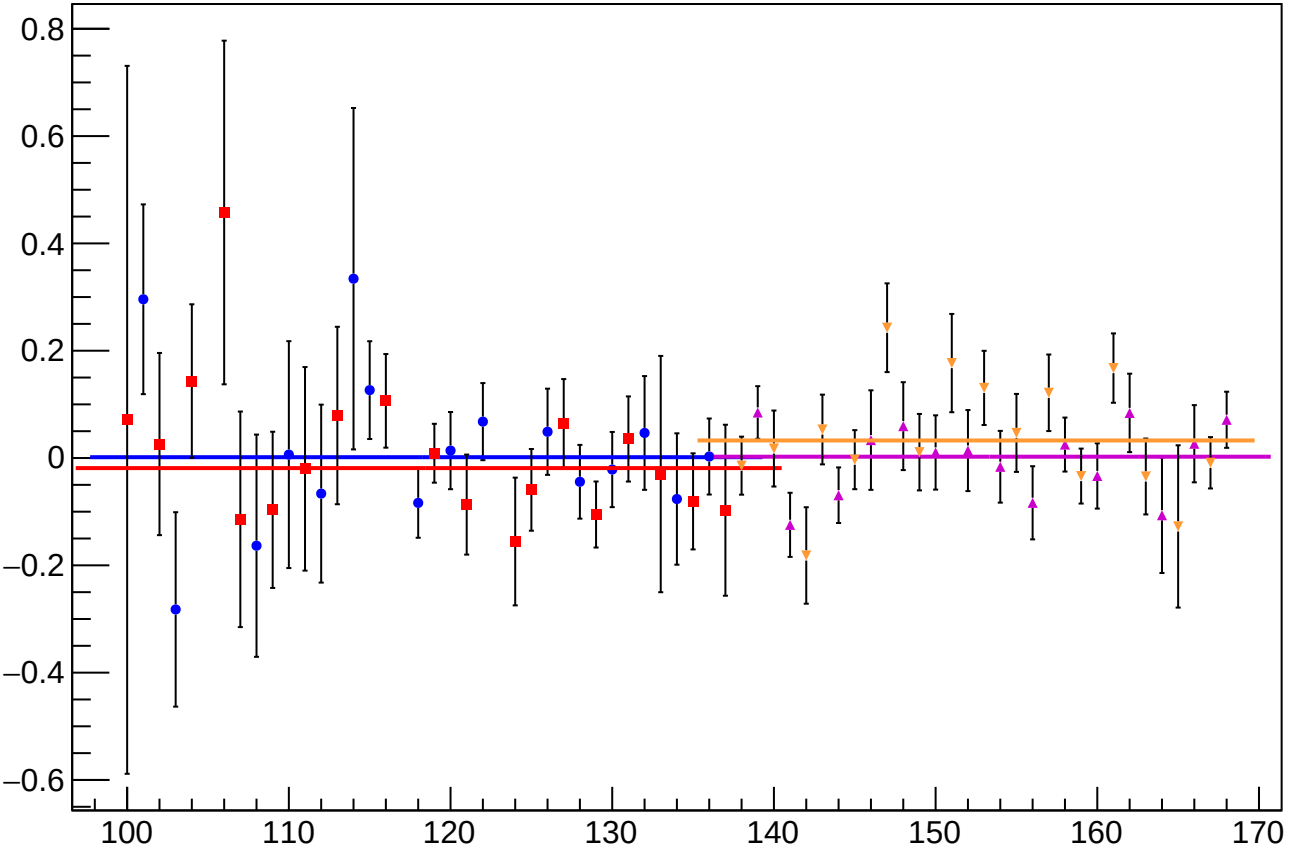
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.026+/-0.010 χ^2/NDF:2943472.2/30

Out: 57.053+/-0.010 χ^2/NDF:3652801.8/34

All: 56.536+/-0.007 χ^2/NDF: 6602016.0/65

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.033+/-0.017 χ^2/NDF:28.4/15

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.002+/-0.017 χ^2/NDF:16.2/14

Left: 0.017+/-0.012 χ^2/NDF: 46.3/30

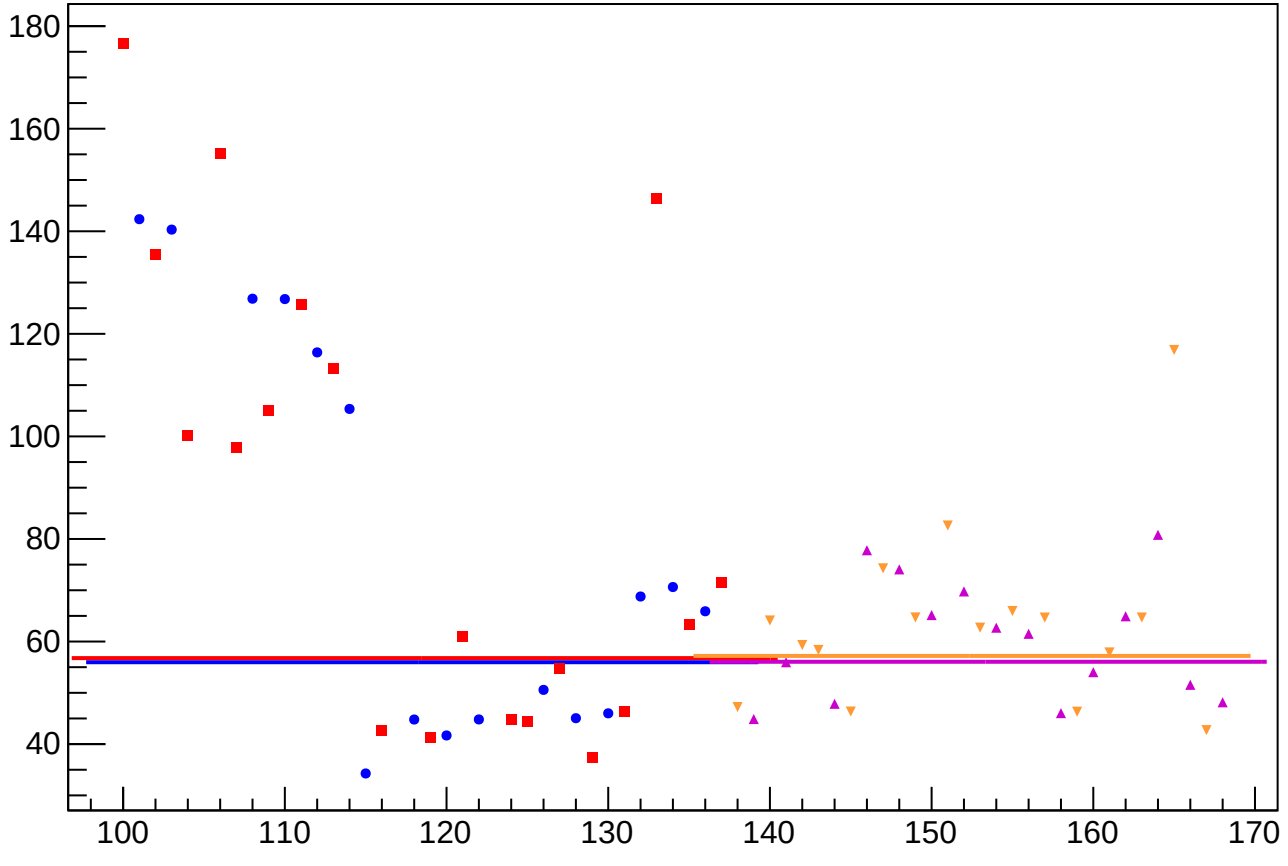
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.002+/-0.014 χ^2/NDF:29.3/30

Out: 0.015+/-0.014 χ^2/NDF:44.7/34

All: 0.009+/-0.010 χ^2/NDF: 74.5/65

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: 57.196+/-0.012 χ^2/NDF:1099196.2/15

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.055+/-0.012 χ^2/NDF:763696.2/14

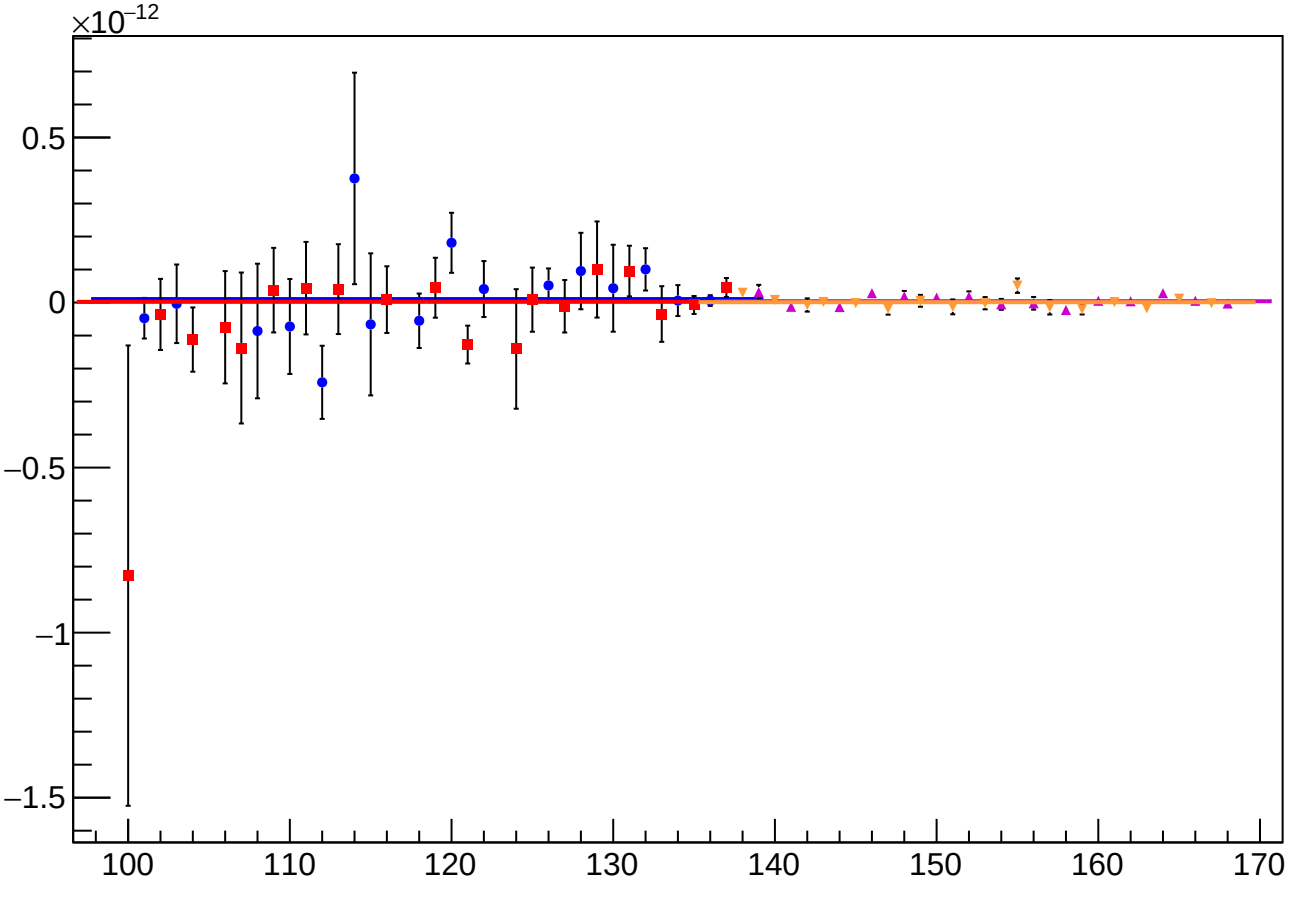
Left: 56.621+/-0.008 χ^2/NDF: 1867611.9/30

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.026+/-0.010 χ^2/NDF:2943472.2/30

Out: 57.053+/-0.010 χ^2/NDF:3652801.8/34

All: 56.536+/-0.007 χ^2/NDF: 6602016.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.8/14

Left: 0.000+/-0.000 χ^2/NDF: 46.5/30

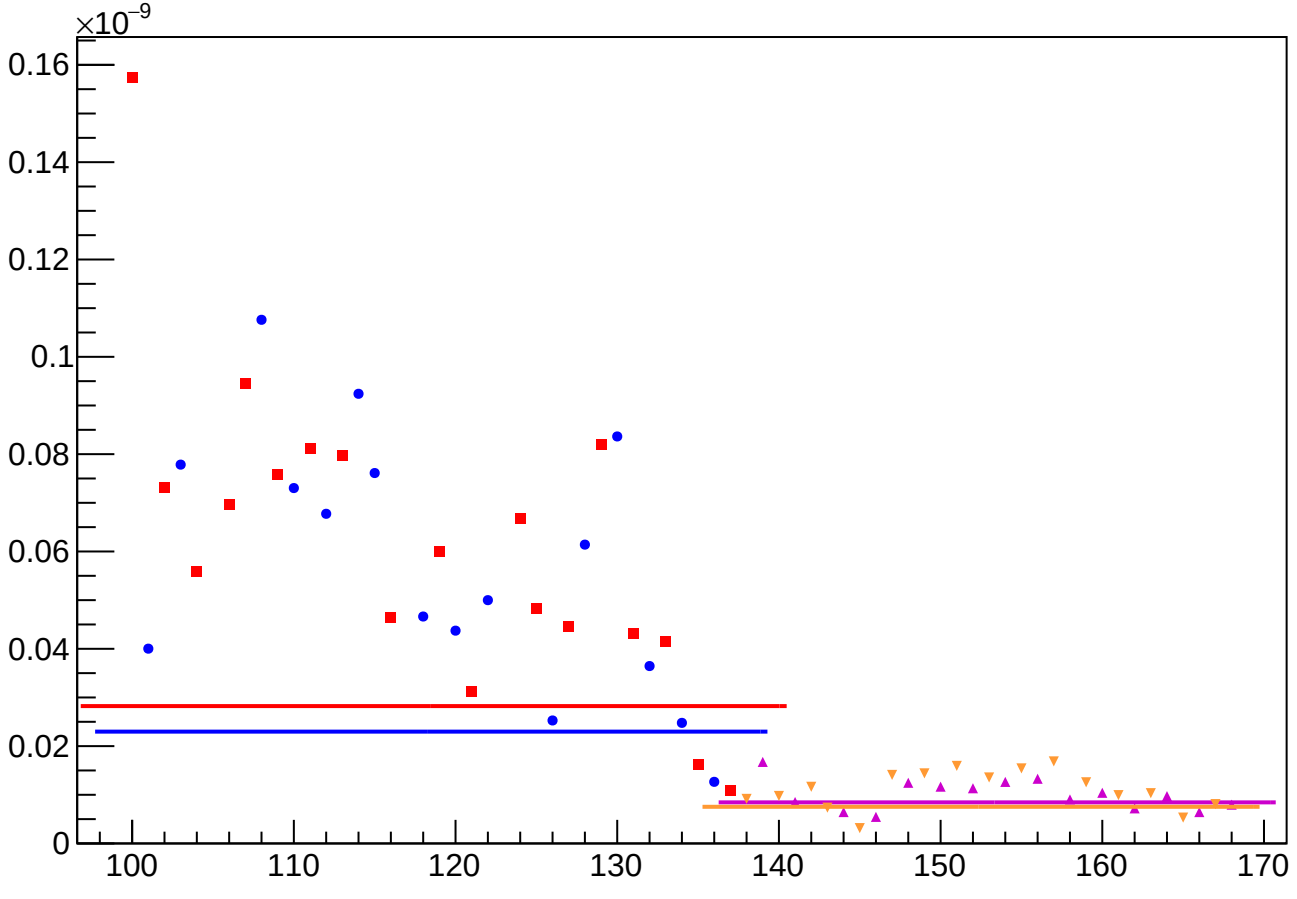
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:43.7/30

Out: 0.000+/-0.000 χ^2/NDF:32.5/34

All: 0.000+/-0.000 χ^2/NDF: 76.8/65

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:3818002.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364902.4/14

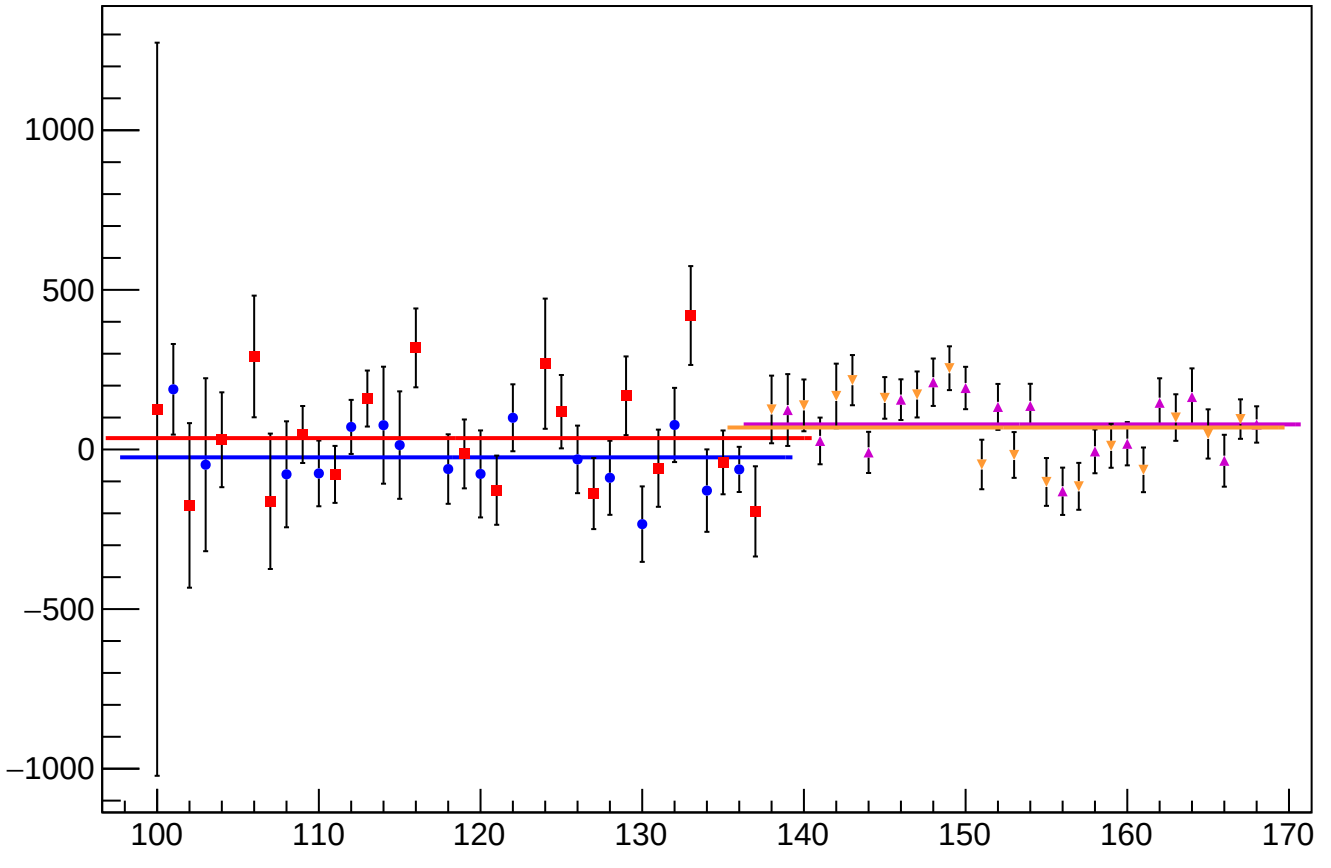
Left: 0.000+/-0.000 χ^2/NDF: 5273546.2/30

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7475635.4/30

Out: 0.000+/-0.000 χ^2/NDF:11079499.0/34

All: 0.000+/-0.000 χ^2/NDF: 18666026.1/65



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.852+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 78.545+/-18.475 χ^2/NDF:25.4/14

Left: 73.725+/-13.099 χ^2/NDF: 62.3/30

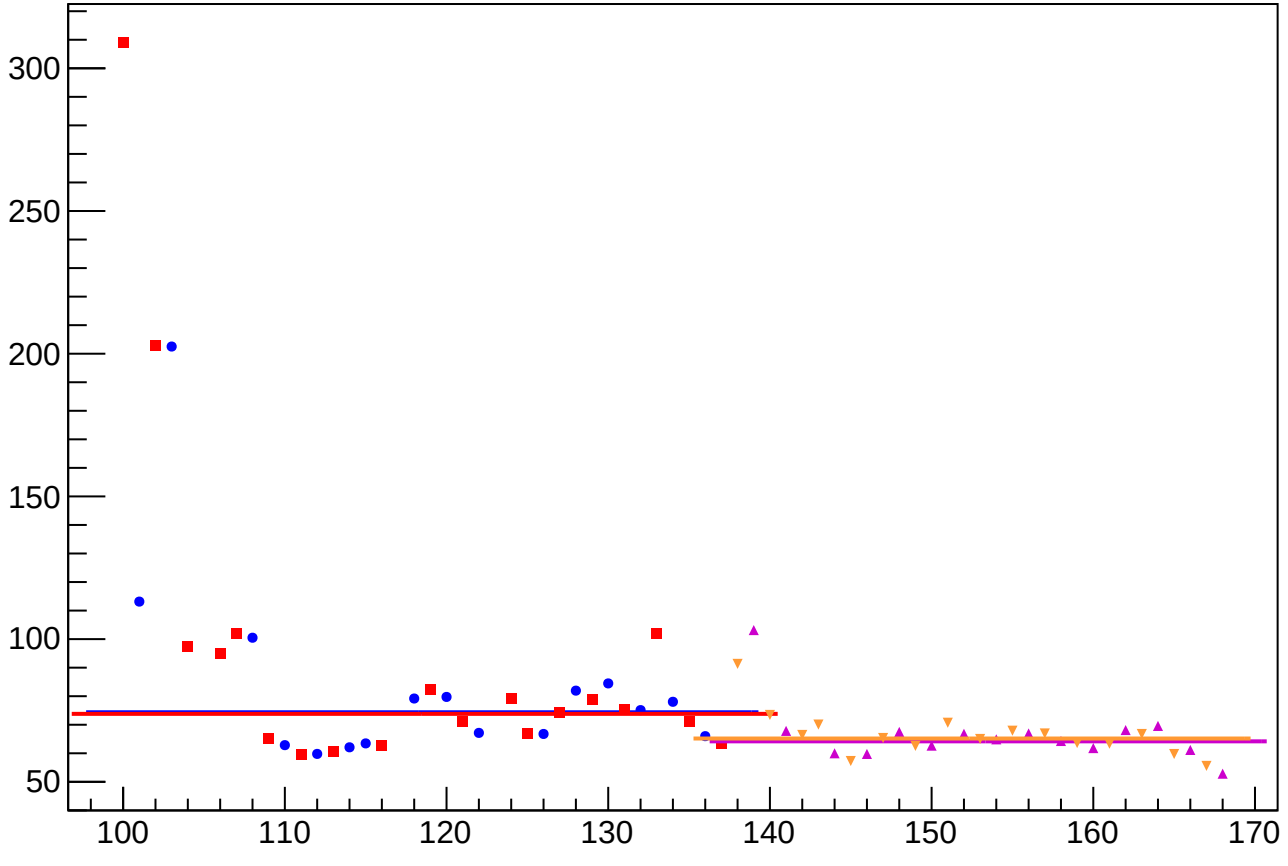
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 48.630+/-15.568 χ^2/NDF:45.4/30

Out: 58.911+/-15.554 χ^2/NDF:67.9/34

All: 53.775+/-11.004 χ^2/NDF: 113.5/65

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

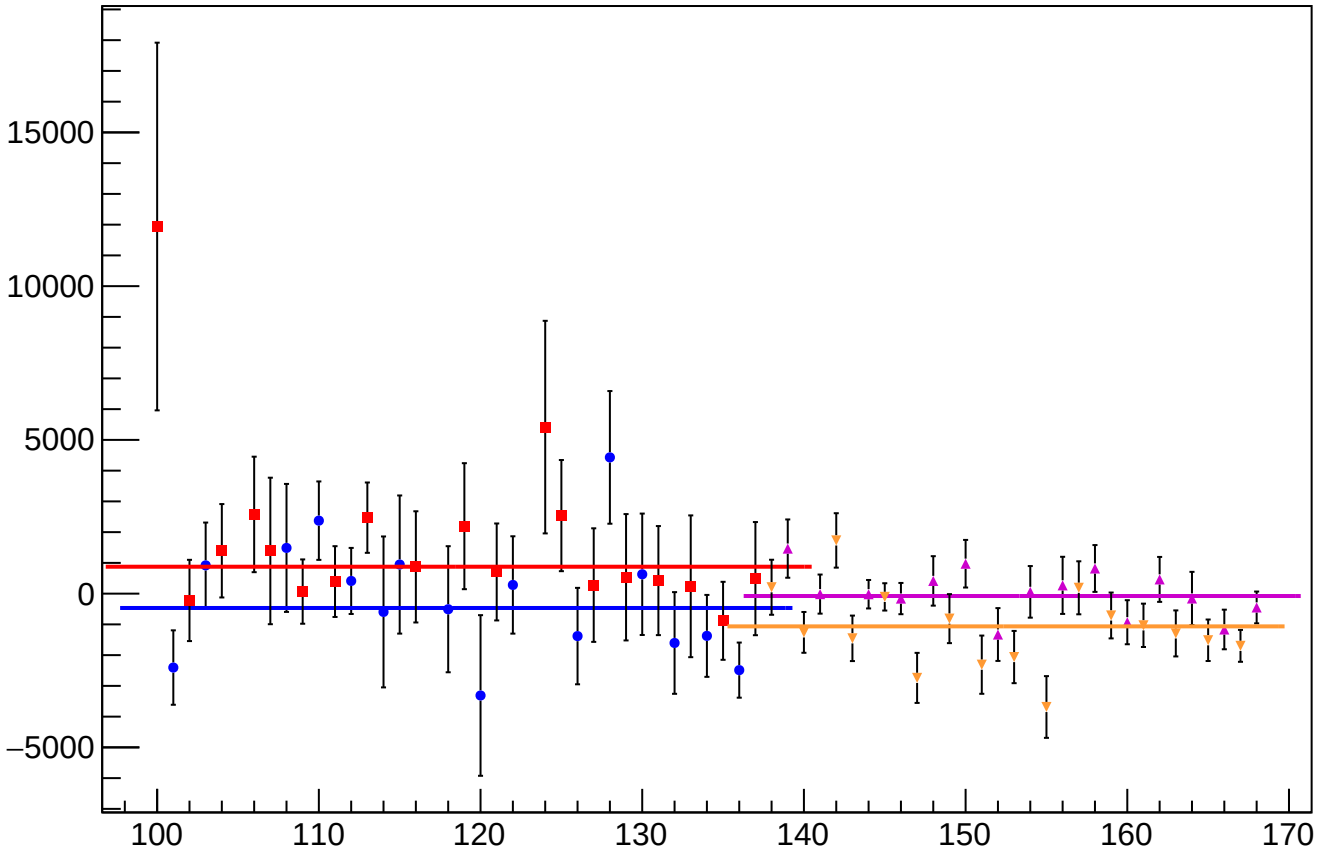
Left: 64.677+/-0.009 χ^2/NDF: 631806.8/30

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 67.137+/-0.011 χ^2/NDF:1374611.0/30

Out: 67.756+/-0.011 χ^2/NDF:1319392.1/34

All: 67.447+/-0.008 χ^2/NDF: 2695584.5/65



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -1064.684+/-179.235 χ^2/NDF:35.7/15

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: -77.123+/-175.927 χ^2/NDF:13.9/14

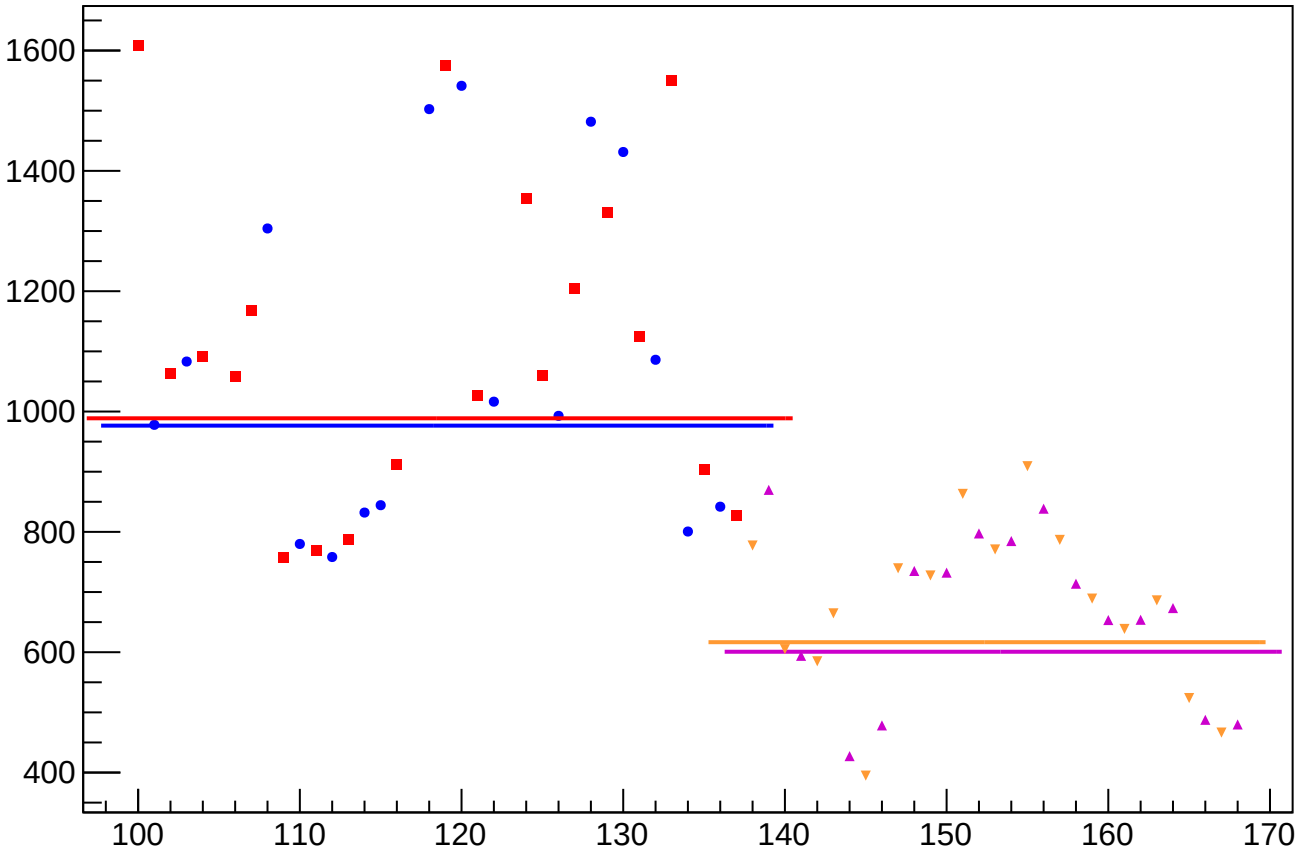
Left: -561.705+/-125.552 χ^2/NDF: 65.1/30

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -147.358+/-159.273 χ^2/NDF:38.5/30

Out: -699.547+/-161.490 χ^2/NDF:70.8/34

All: -419.637+/-113.399 χ^2/NDF: 115.2/65



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 616.668+/-0.127 χ^2/NDF:1351936.2/15

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 600.764+/-0.124 χ^2/NDF:1254293.2/14

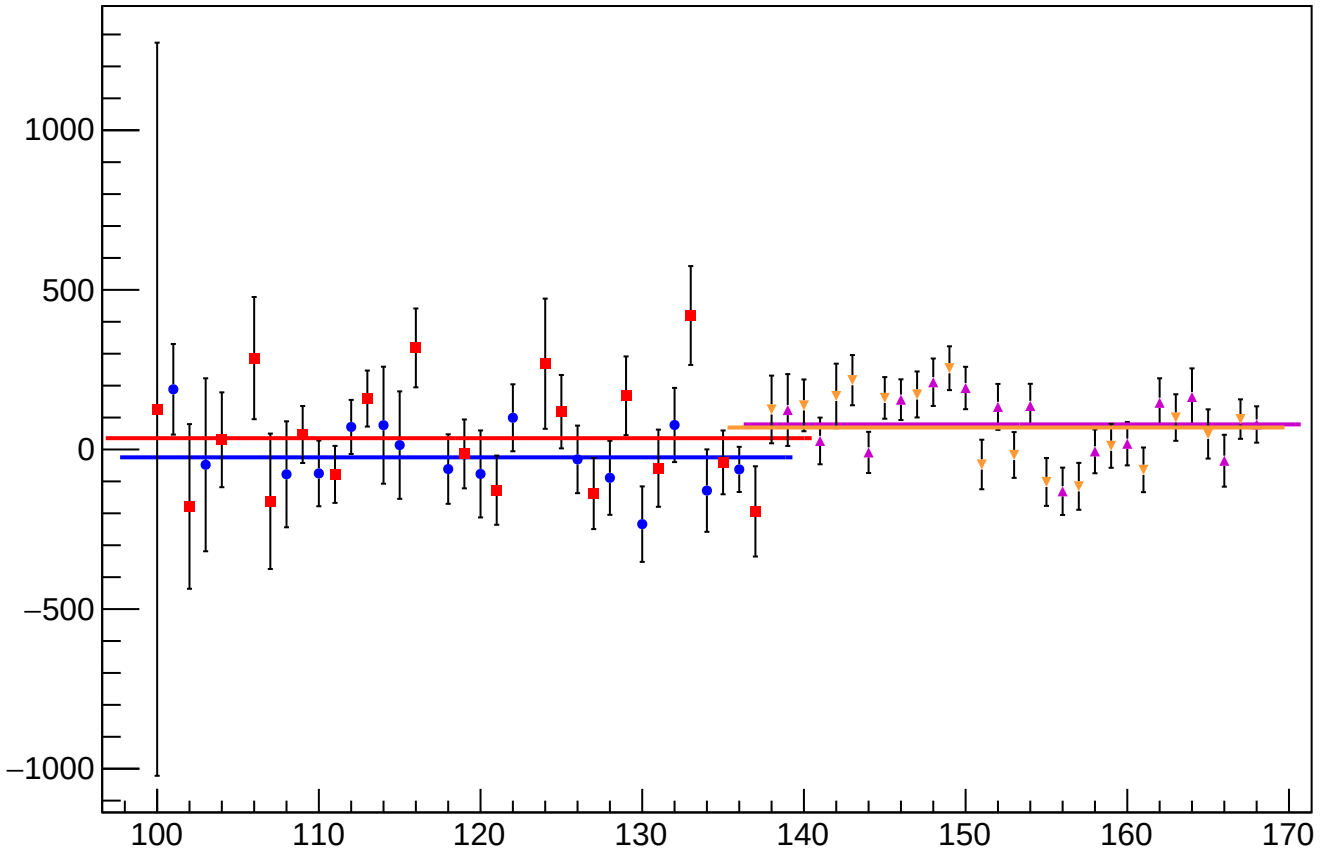
Left: 608.568+/-0.089 χ^2/NDF: 2614249.1/30

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 668.549+/-0.113 χ^2/NDF:3637067.7/30

Out: 686.700+/-0.114 χ^2/NDF:3689967.1/34

All: 677.499+/-0.080 χ^2/NDF: 7339843.6/65



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.545+/-18.475 χ^2/NDF:25.4/14

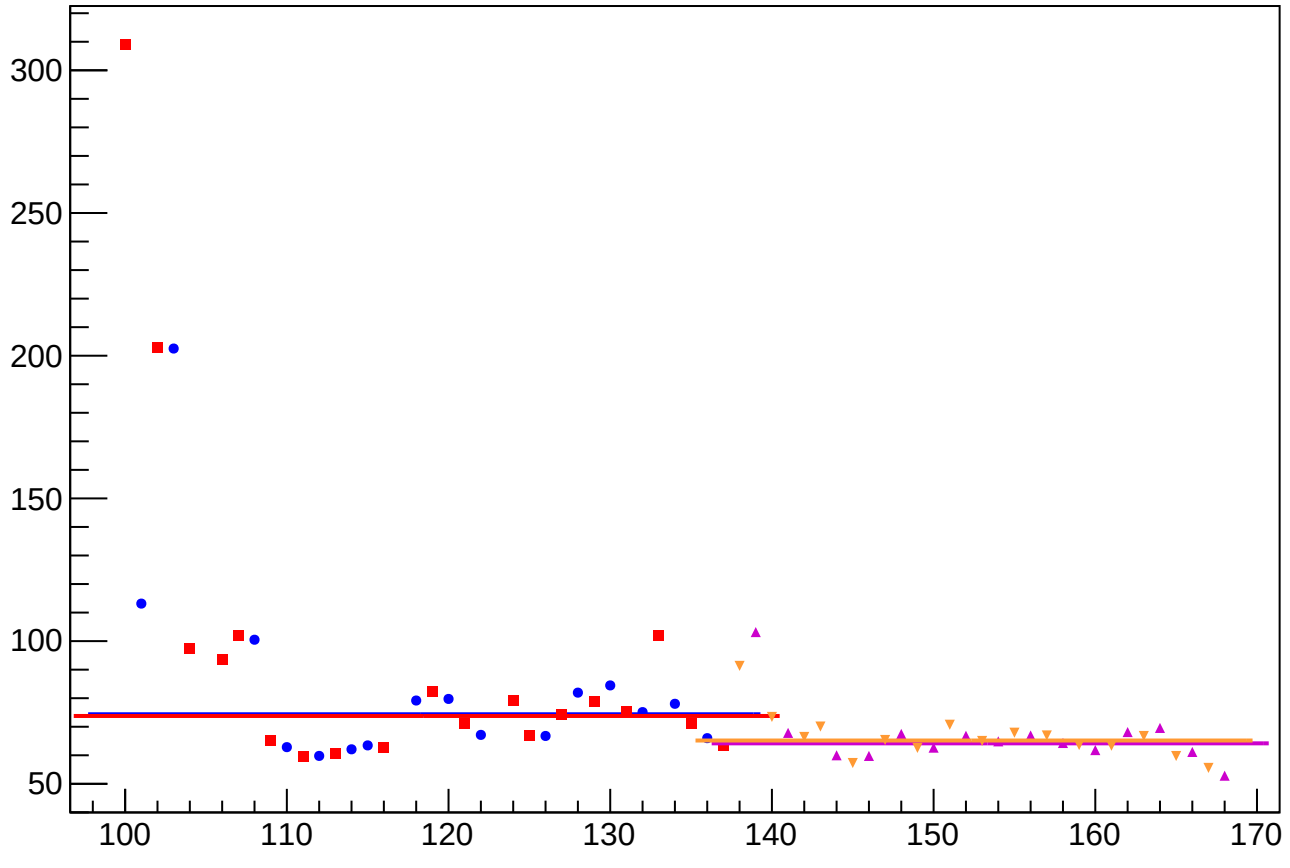
Left: 73.727+/-13.099 χ^2/NDF: 62.3/30

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 48.628+/-15.568 χ^2/NDF:45.4/30

Out: 58.856+/-15.555 χ^2/NDF:67.8/34

All: 53.746+/-11.004 χ^2/NDF: 113.4/65



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

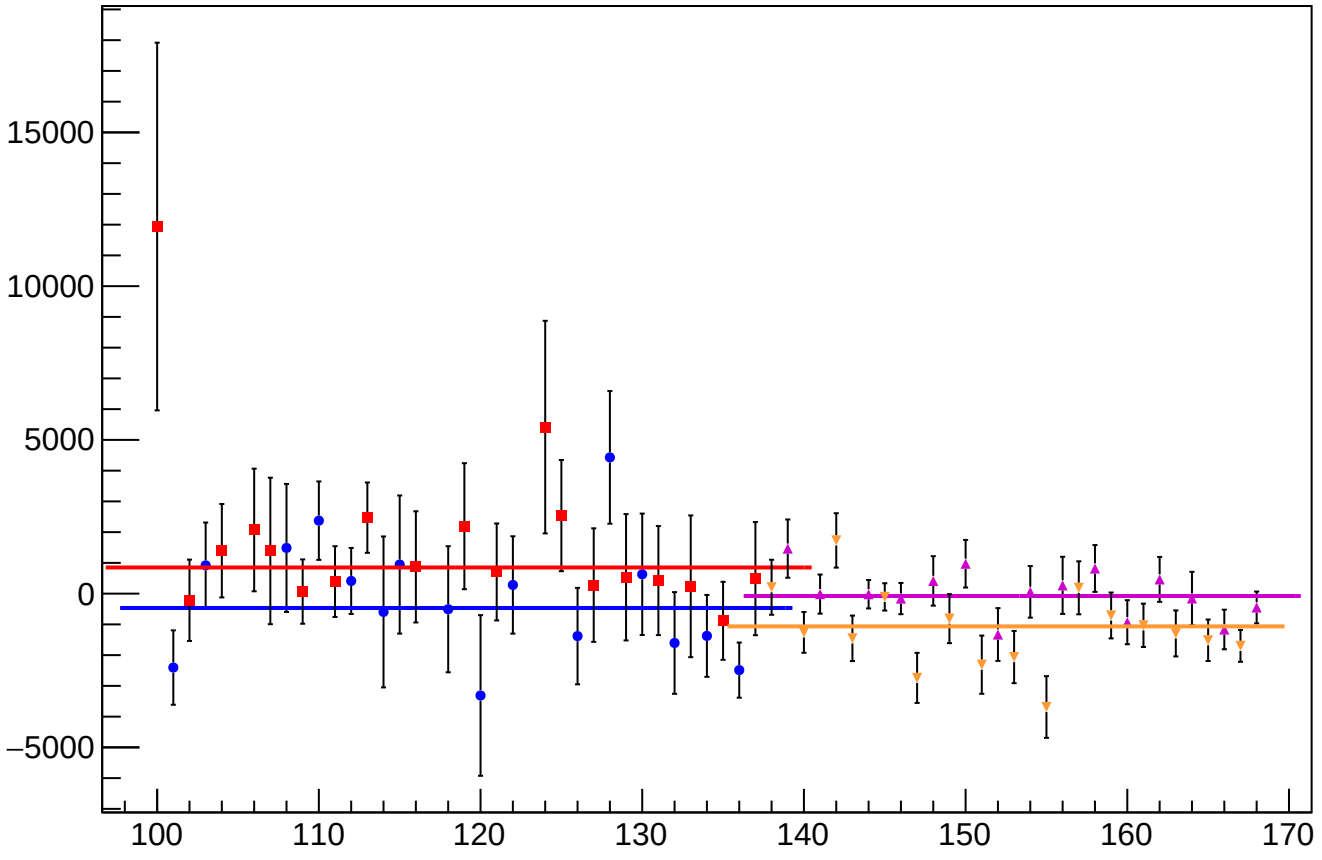
Left: 64.677+/-0.009 χ^2/NDF: 631806.8/30

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 67.137+/-0.011 χ^2/NDF:1374612.9/30

Out: 67.743+/-0.011 χ^2/NDF:1314338.7/34

All: 67.441+/-0.008 χ^2/NDF: 2690468.0/65



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -77.124+/-175.927 χ^2/NDF:13.9/14

Left: -561.703+/-125.552 χ^2/NDF: 65.1/30

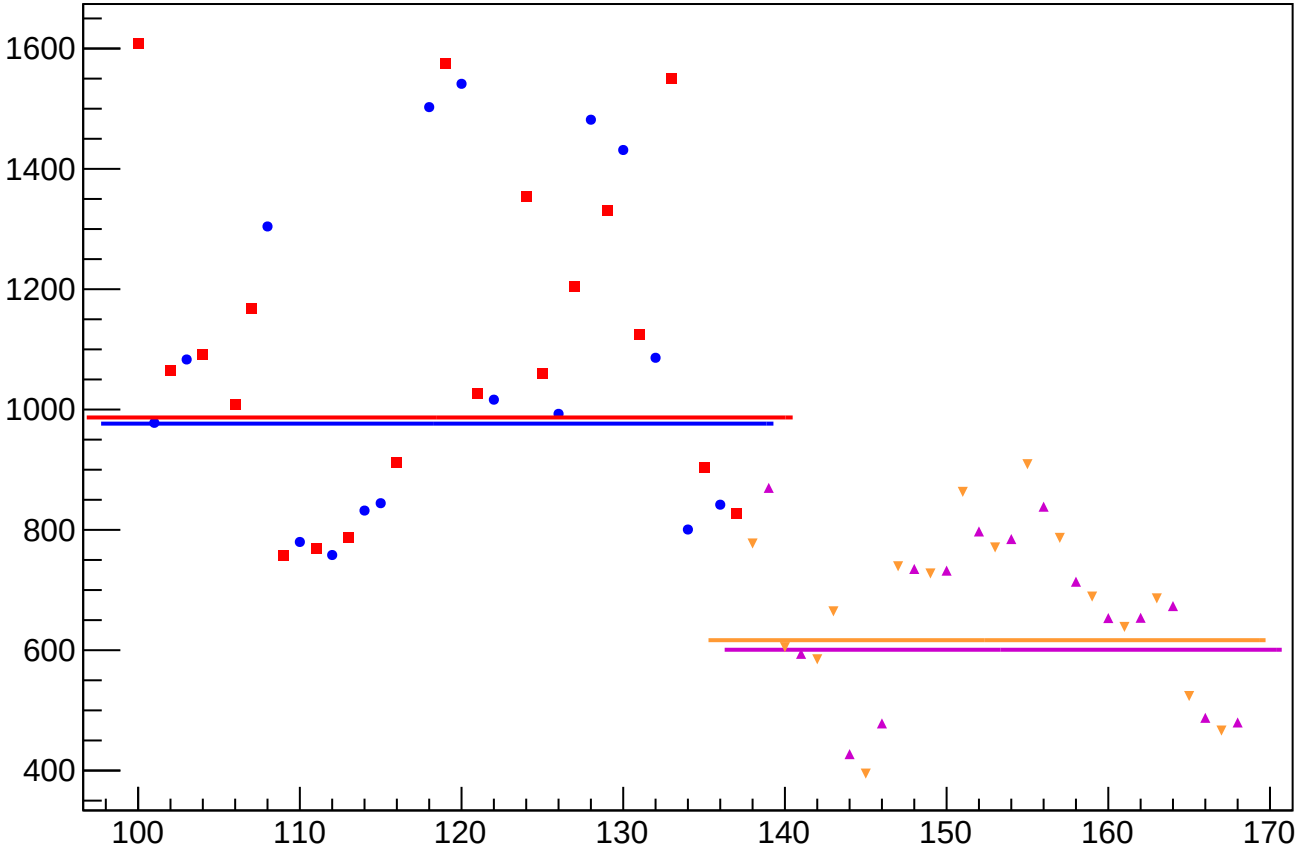
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.355+/-159.273 χ^2/NDF:38.5/30

Out: -705.510+/-161.559 χ^2/NDF:69.7/34

All: -422.456+/-113.423 χ^2/NDF: 114.2/65

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: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 600.764+/-0.124 χ^2/NDF:1254292.1/14

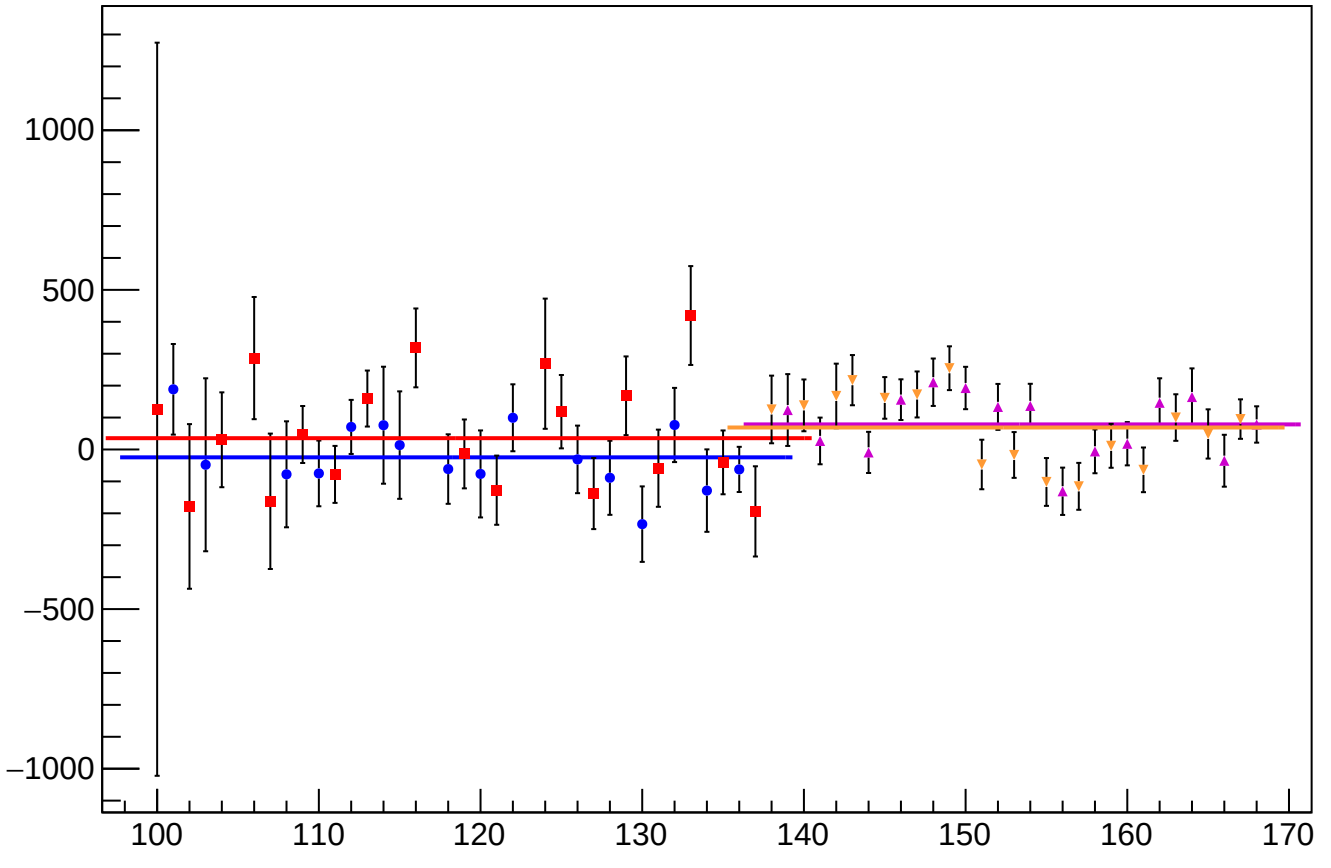
Left: 608.568+/-0.089 χ^2/NDF: 2614250.5/30

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 668.549+/-0.113 χ^2/NDF:3637122.1/30

Out: 686.076+/-0.114 χ^2/NDF:3664754.9/34

All: 677.188+/-0.080 χ^2/NDF: 7313814.4/65



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.857+/-18.575 χ^2/NDF:36.8/15

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.545+/-18.475 χ^2/NDF:25.4/14

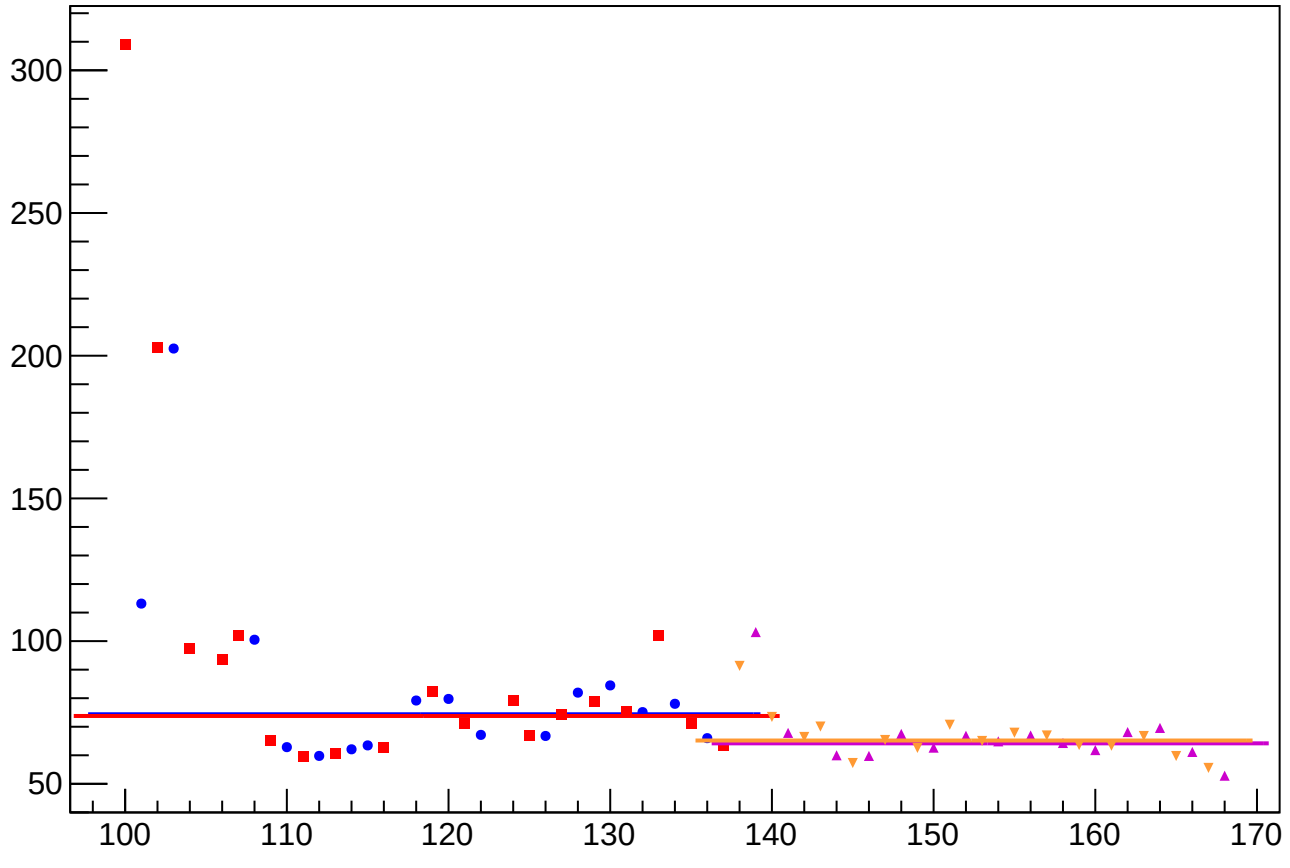
Left: 73.727+/-13.099 χ^2/NDF: 62.3/30

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 48.628+/-15.568 χ^2/NDF:45.4/30

Out: 58.856+/-15.555 χ^2/NDF:67.8/34

All: 53.746+/-11.004 χ^2/NDF: 113.4/65



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 65.174+/-0.013 χ^2/NDF:258129.3/15

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 64.185+/-0.013 χ^2/NDF:370823.1/14

Left: 64.677+/-0.009 χ^2/NDF: 631806.8/30

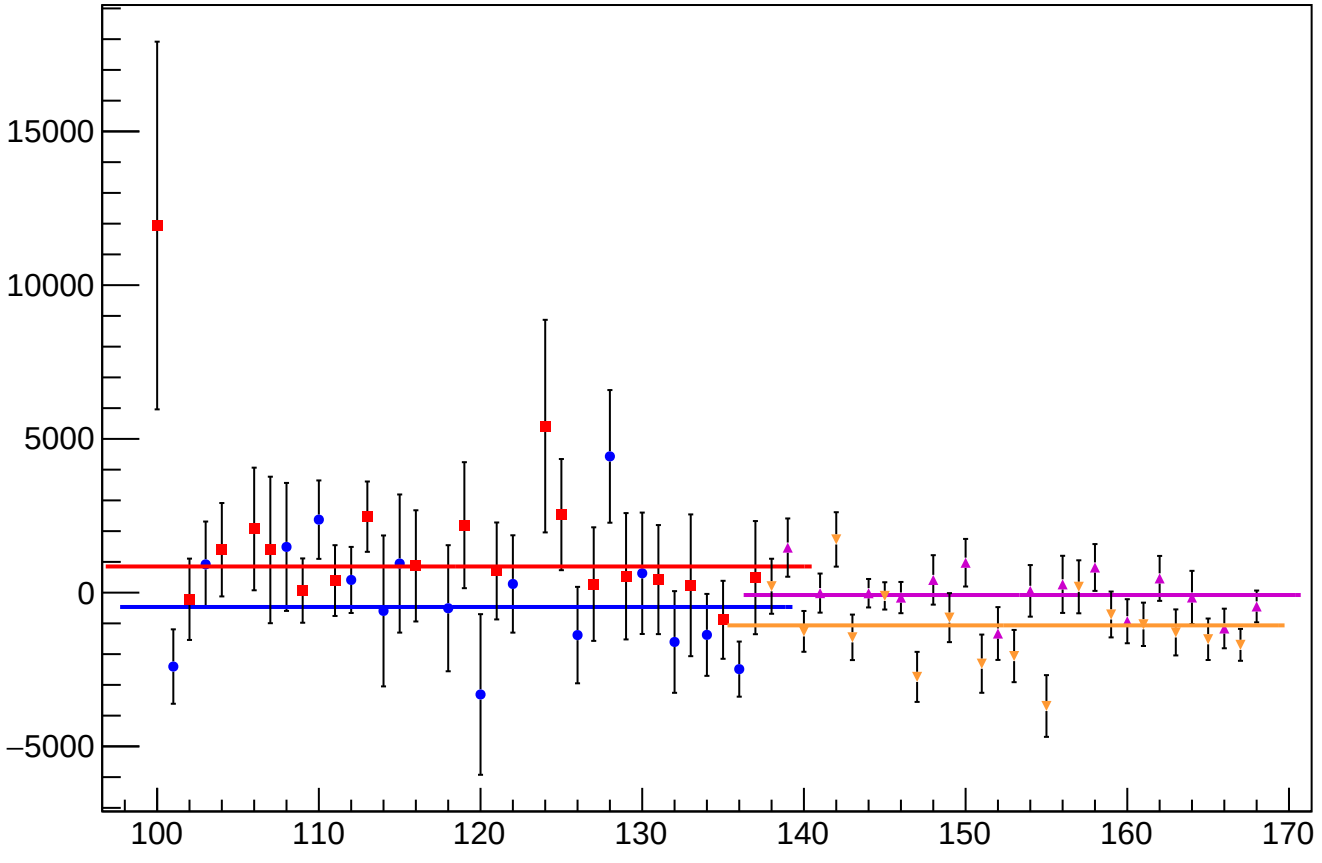
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 67.137+/-0.011 χ^2/NDF:1374612.9/30

Out: 67.743+/-0.011 χ^2/NDF:1314338.7/34

All: 67.441+/-0.008 χ^2/NDF: 2690468.0/65

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: -1064.678+/-179.235 χ^2/NDF:35.7/15

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -77.124+/-175.927 χ^2/NDF:13.9/14

Left: -561.703+/-125.552 χ^2/NDF: 65.1/30

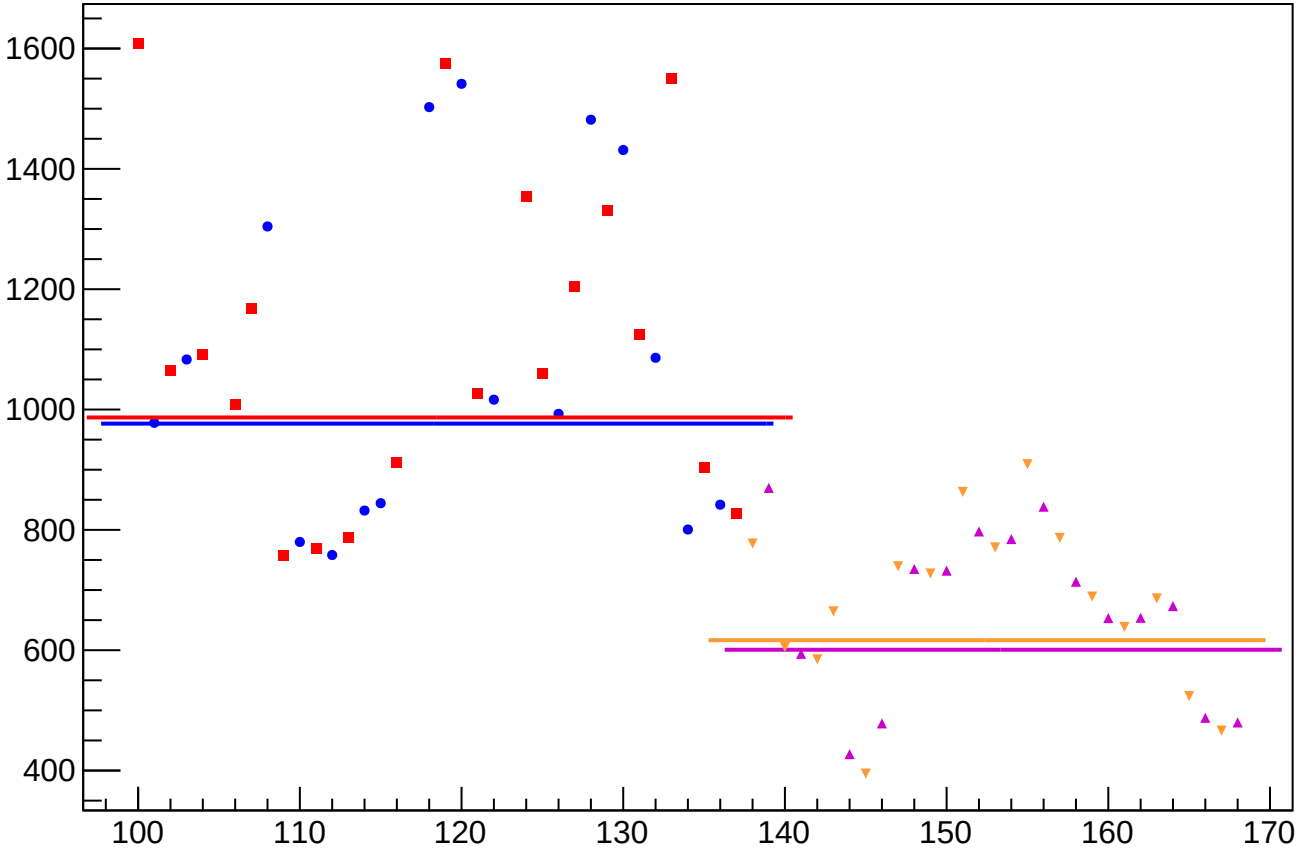
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.355+/-159.273 χ^2/NDF:38.5/30

Out: -705.510+/-161.559 χ^2/NDF:69.7/34

All: -422.456+/-113.423 χ^2/NDF: 114.2/65

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: 616.667+/-0.127 χ^2/NDF:1351939.1/15

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 600.764+/-0.124 χ^2/NDF:1254292.1/14

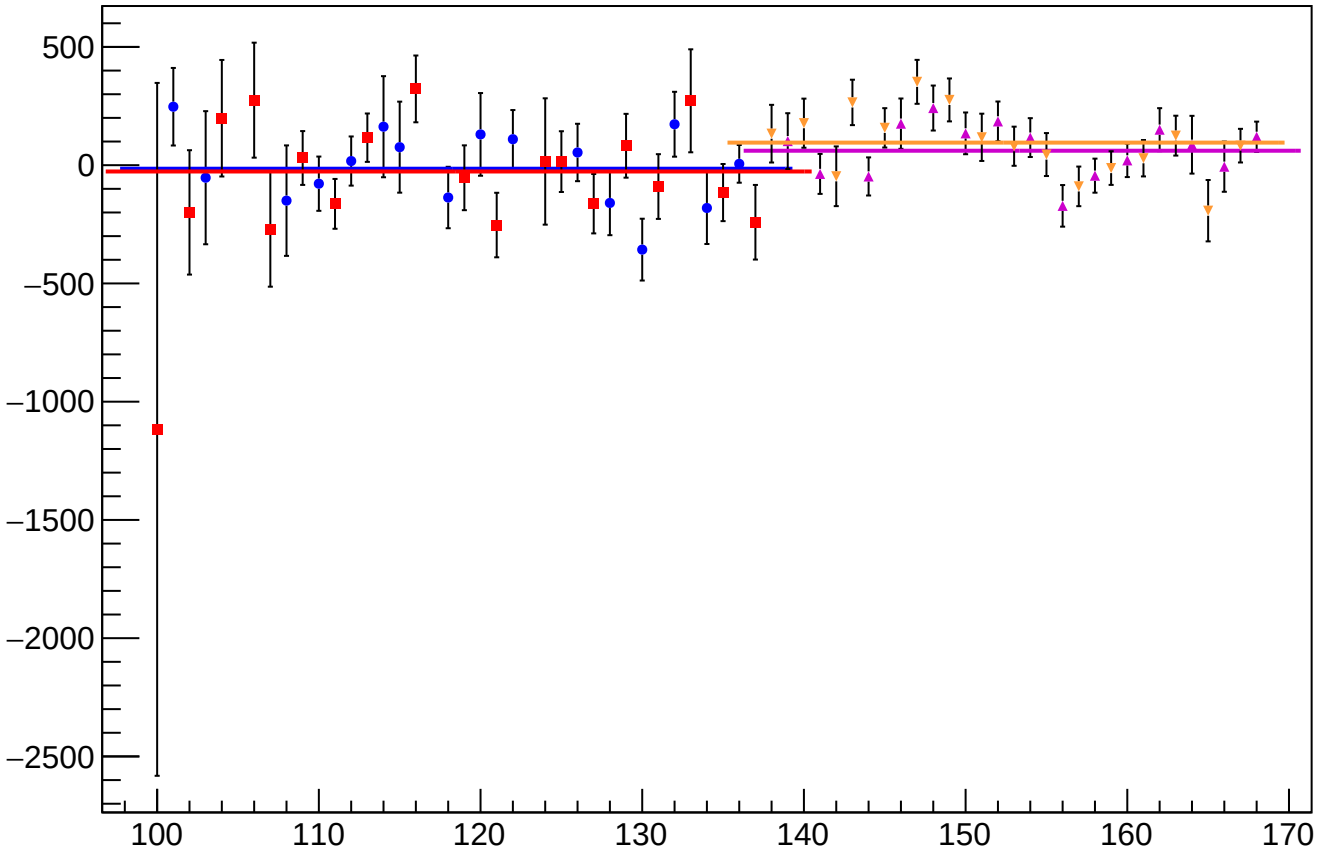
Left: 608.568+/-0.089 χ^2/NDF: 2614250.5/30

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 668.549+/-0.113 χ^2/NDF:3637122.1/30

Out: 686.076+/-0.114 χ^2/NDF:3664754.9/34

All: 677.188+/-0.080 χ^2/NDF: 7313814.4/65



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.427+/-22.433 χ^2/NDF:30.7/15

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 61.111+/-22.223 χ^2/NDF:23.1/14

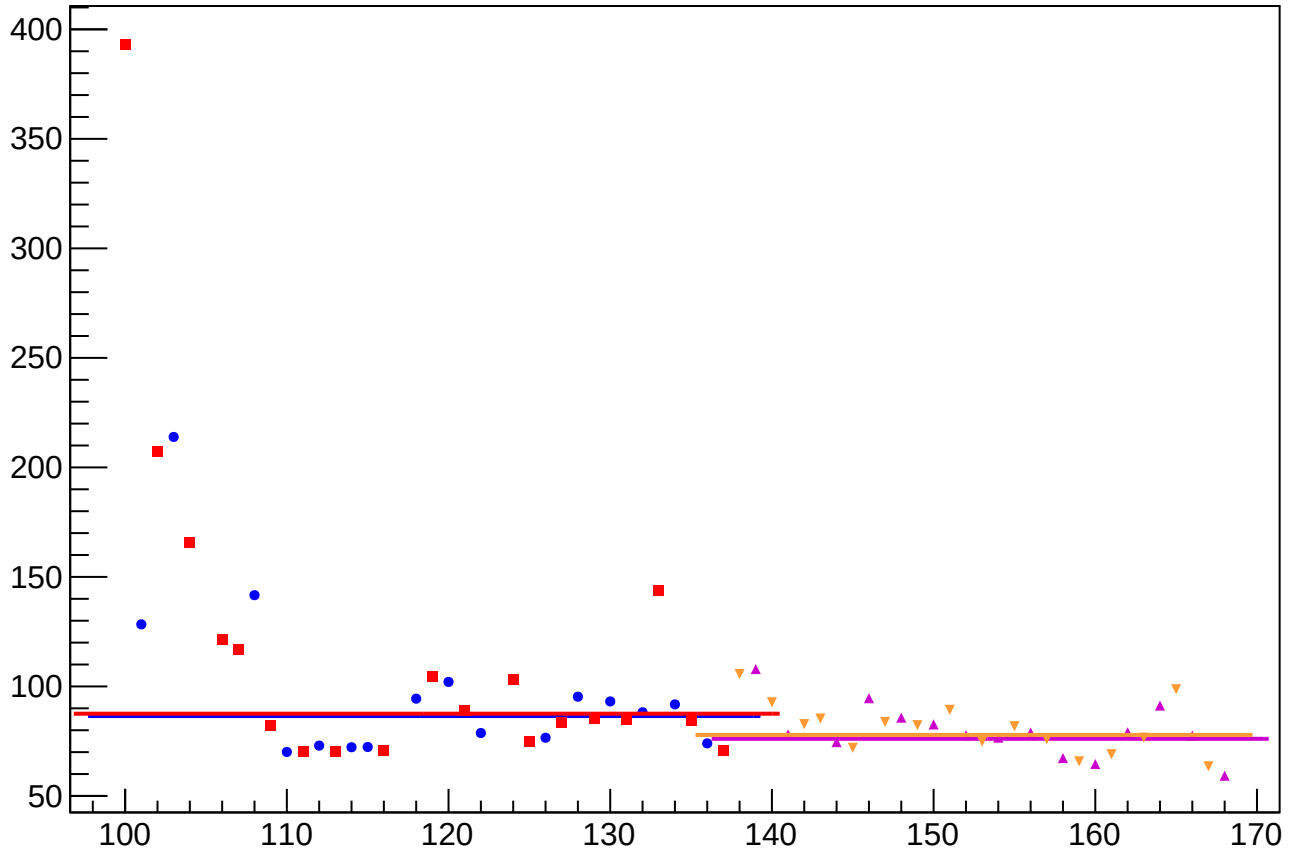
Left: 78.108+/-15.788 χ^2/NDF: 55.0/30

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 38.116+/-18.563 χ^2/NDF:44.9/30

Out: 58.511+/-18.737 χ^2/NDF:63.2/34

All: 48.219+/-13.187 χ^2/NDF: 108.8/65



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 77.863+/-0.016 χ^2/NDF:433916.5/15

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 76.090+/-0.016 χ^2/NDF:497484.3/14

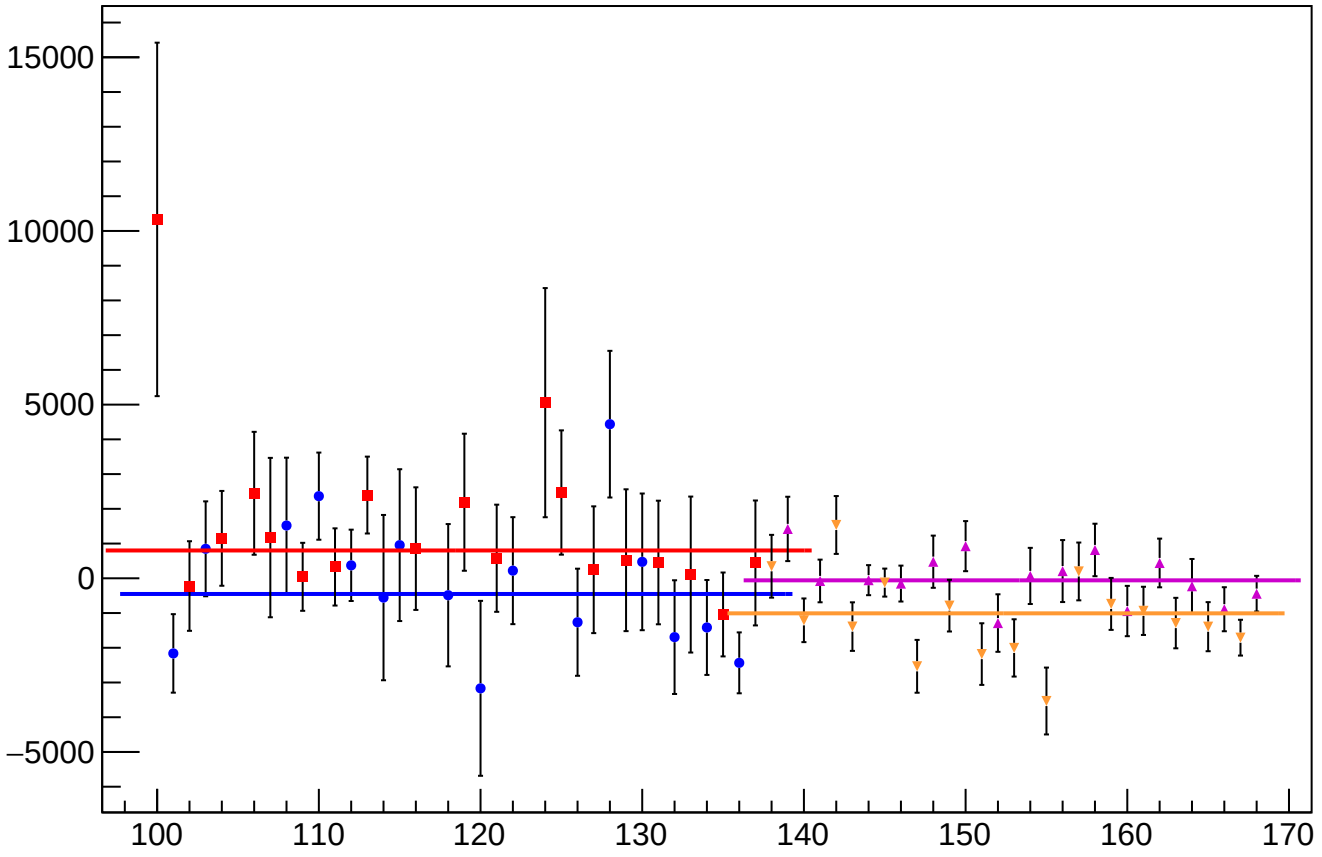
Left: 76.969+/-0.011 χ^2/NDF: 937708.1/30

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 79.234+/-0.013 χ^2/NDF:1486124.5/30

Out: 80.794+/-0.013 χ^2/NDF:1676578.3/34

All: 80.007+/-0.009 χ^2/NDF: 3169700.4/65



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -1008.705+/-172.206 χ^2/NDF:35.5/15

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -58.758+/-170.402 χ^2/NDF:12.9/14

Left: -528.728+/-121.125 χ^2/NDF: 63.8/30

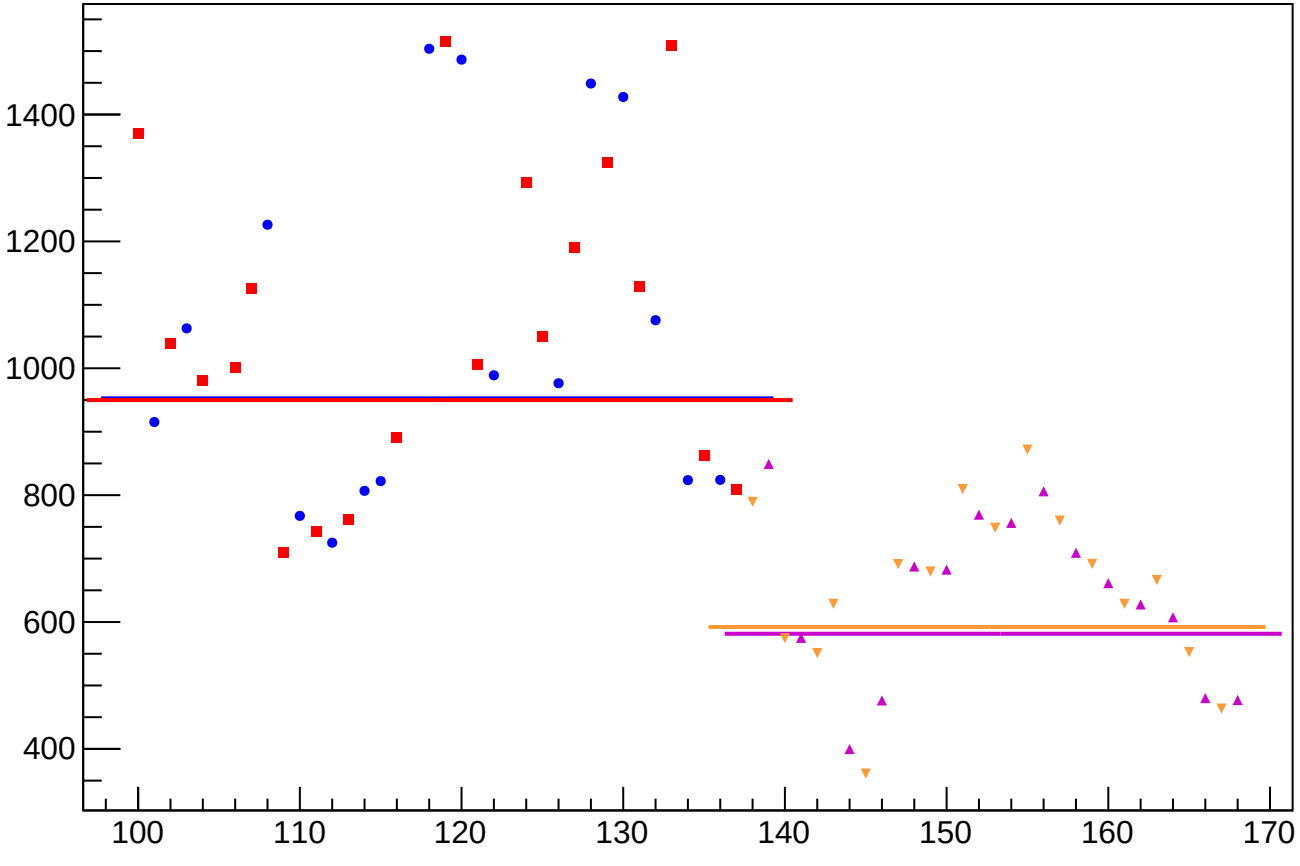
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -128.827+/-154.450 χ^2/NDF:37.6/30

Out: -668.406+/-155.175 χ^2/NDF:69.9/34

All: -397.353+/-109.468 χ^2/NDF: 113.6/65

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460812.2/15

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 581.503+/-0.120 χ^2/NDF:1231467.0/14

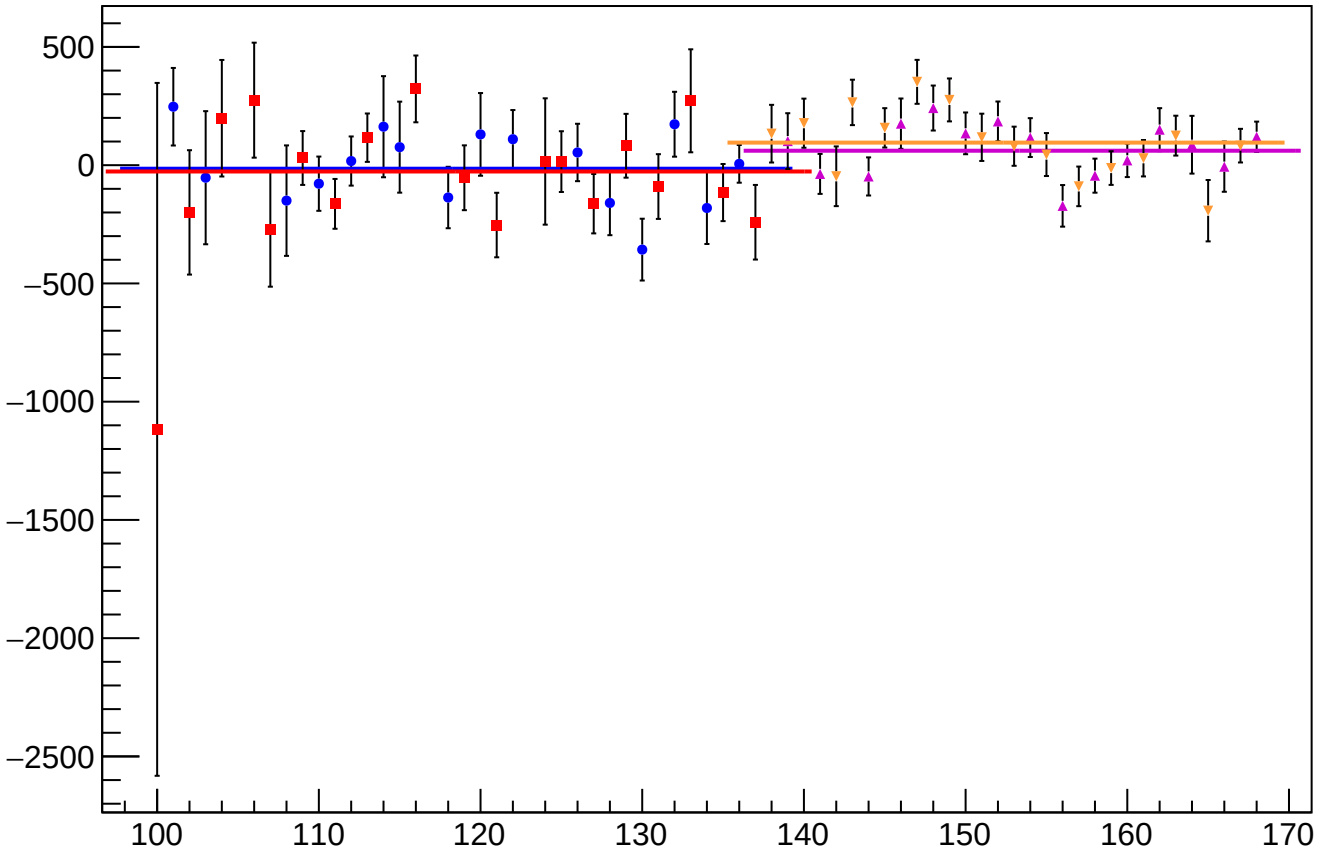
Left: 586.791+/-0.086 χ^2/NDF: 2696172.8/30

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 647.722+/-0.109 χ^2/NDF:3670168.9/30

Out: 659.447+/-0.110 χ^2/NDF:3834936.3/34

All: 653.557+/-0.077 χ^2/NDF: 7510841.2/65



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 95.429+/-22.433 χ^2/NDF:30.7/15

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 61.110+/-22.223 χ^2/NDF:23.1/14

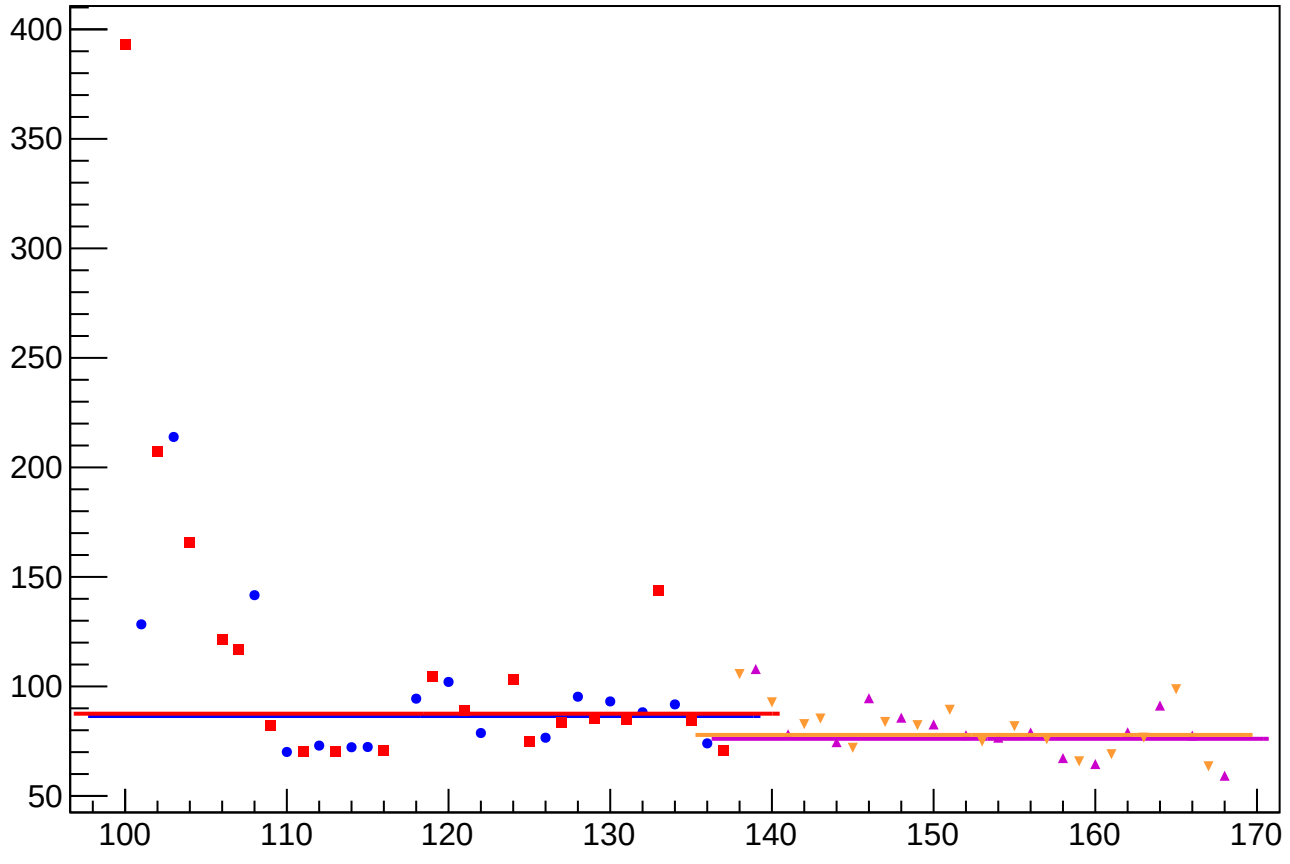
Left: 78.109+/-15.788 χ^2/NDF: 55.0/30

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 38.116+/-18.563 χ^2/NDF:44.9/30

Out: 58.511+/-18.737 χ^2/NDF:63.2/34

All: 48.218+/-13.187 χ^2/NDF: 108.8/65



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 77.864+/-0.016 χ^2/NDF:433921.4/15

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 76.091+/-0.016 χ^2/NDF:497488.4/14

Left: 76.969+/-0.011 χ^2/NDF: 937717.2/30

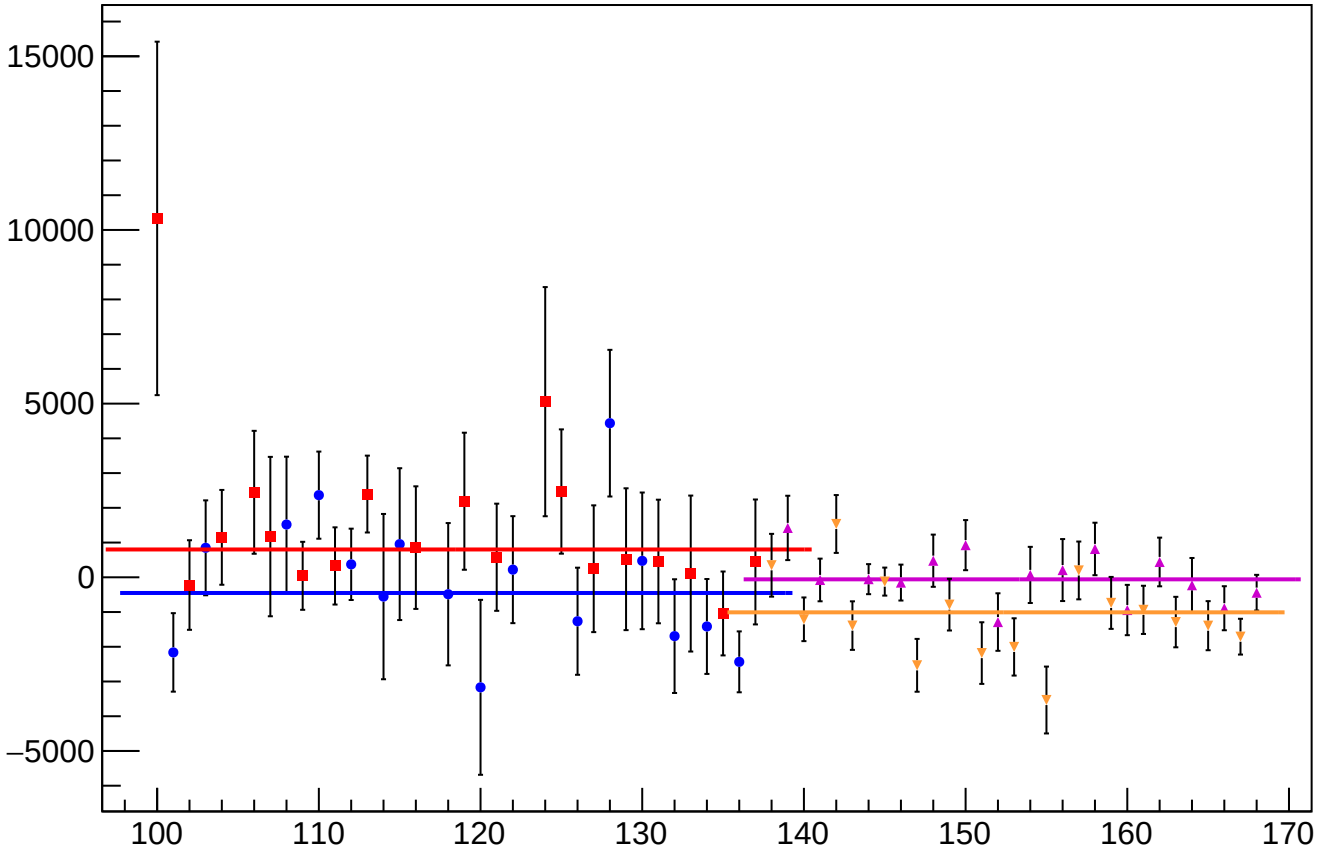
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 79.234+/-0.013 χ^2/NDF:1486122.1/30

Out: 80.794+/-0.013 χ^2/NDF:1676583.6/34

All: 80.007+/-0.009 χ^2/NDF: 3169703.7/65

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: -1008.705+/-172.206 χ^2/NDF:35.5/15

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -58.758+/-170.402 χ^2/NDF:12.9/14

Left: -528.729+/-121.125 χ^2/NDF: 63.8/30

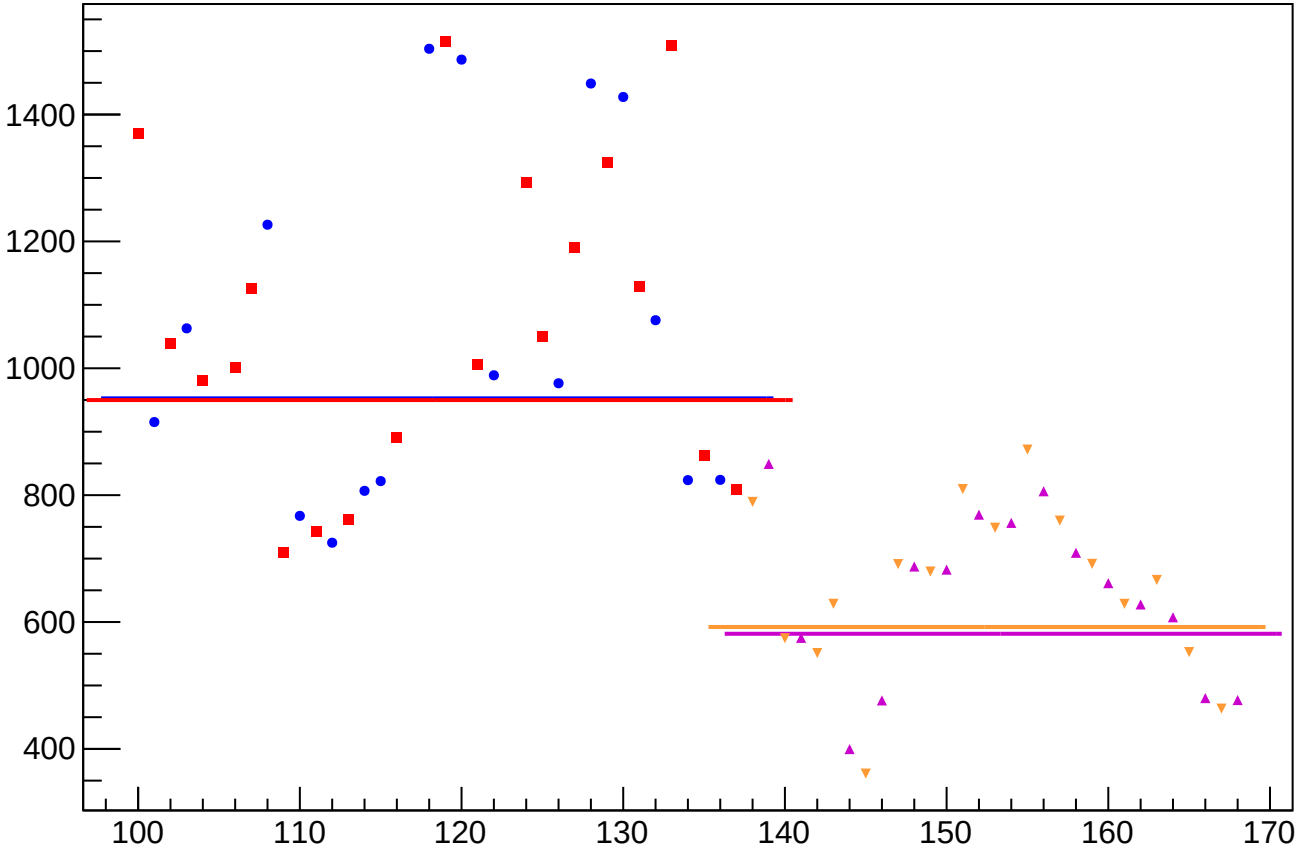
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -128.827+/-154.450 χ^2/NDF:37.6/30

Out: -668.405+/-155.175 χ^2/NDF:69.9/34

All: -397.353+/-109.468 χ^2/NDF: 113.6/65

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 592.192+/-0.122 χ^2/NDF:1460811.2/15

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 581.503+/-0.120 χ^2/NDF:1231464.2/14

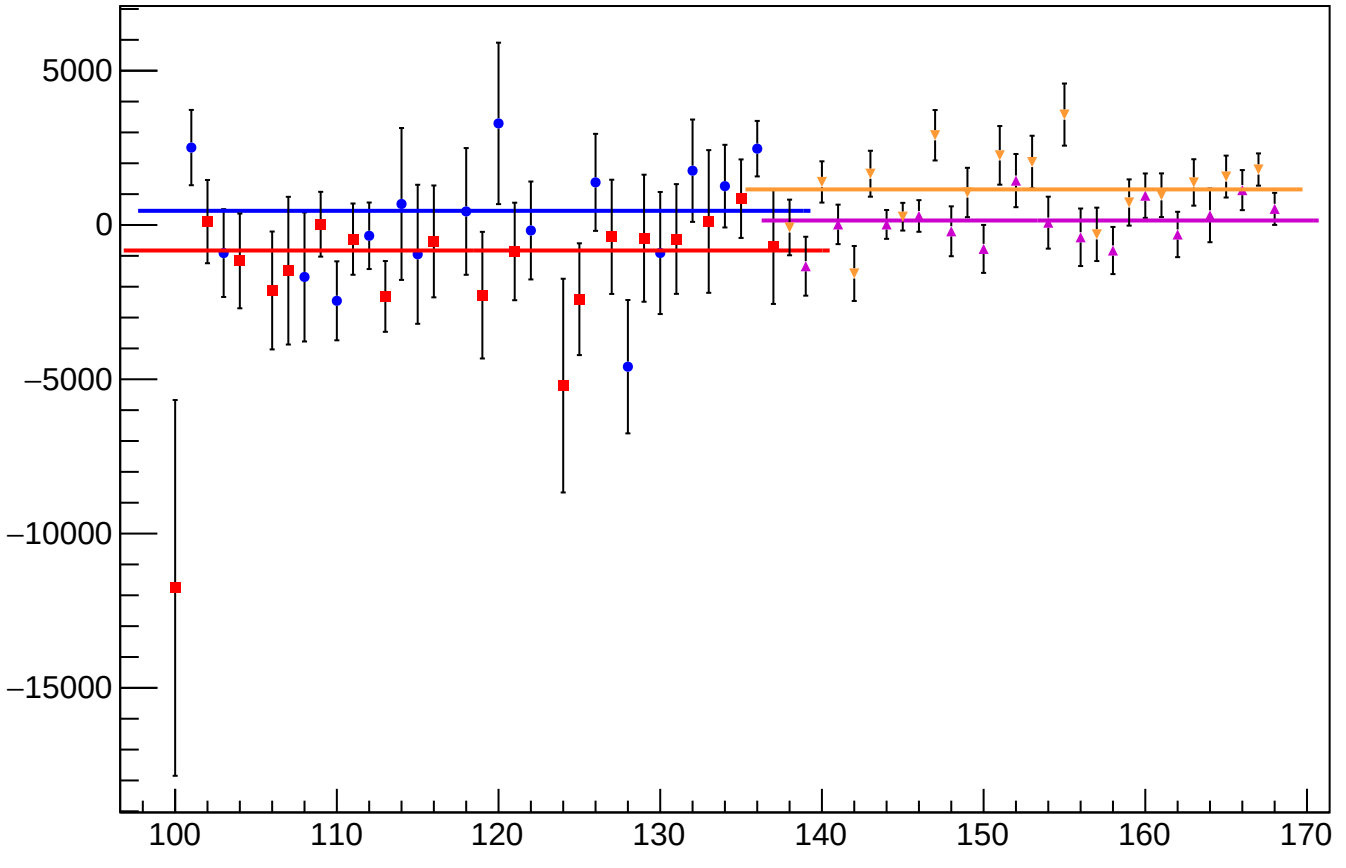
Left: 586.791+/-0.086 χ^2/NDF: 2696168.8/30

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 647.721+/-0.109 χ^2/NDF:3670161.7/30

Out: 659.446+/-0.110 χ^2/NDF:3834929.6/34

All: 653.556+/-0.077 χ^2/NDF: 7510827.2/65



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1153.472+/-180.378 χ^2/NDF:33.8/15

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 145.606+/-177.071 χ^2/NDF:12.9/14

Left: 640.215+/-126.361 χ^2/NDF: 62.6/30

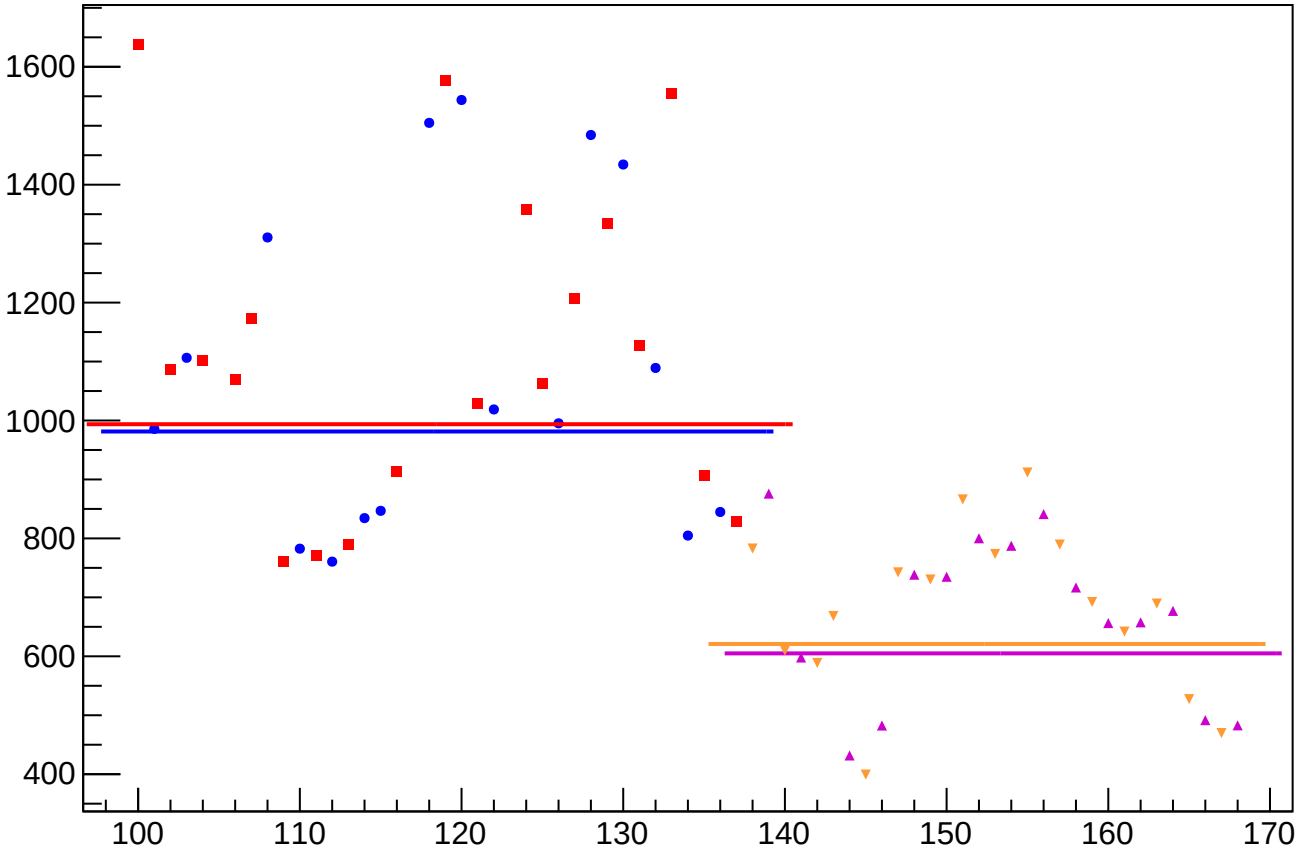
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 202.303+/-160.263 χ^2/NDF:38.0/30

Out: 780.215+/-162.490 χ^2/NDF:68.1/34

All: 487.273+/-114.102 χ^2/NDF: 112.6/65

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 620.917+/-0.128 χ^2/NDF:1326770.5/15

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 604.957+/-0.125 χ^2/NDF:1233240.8/14

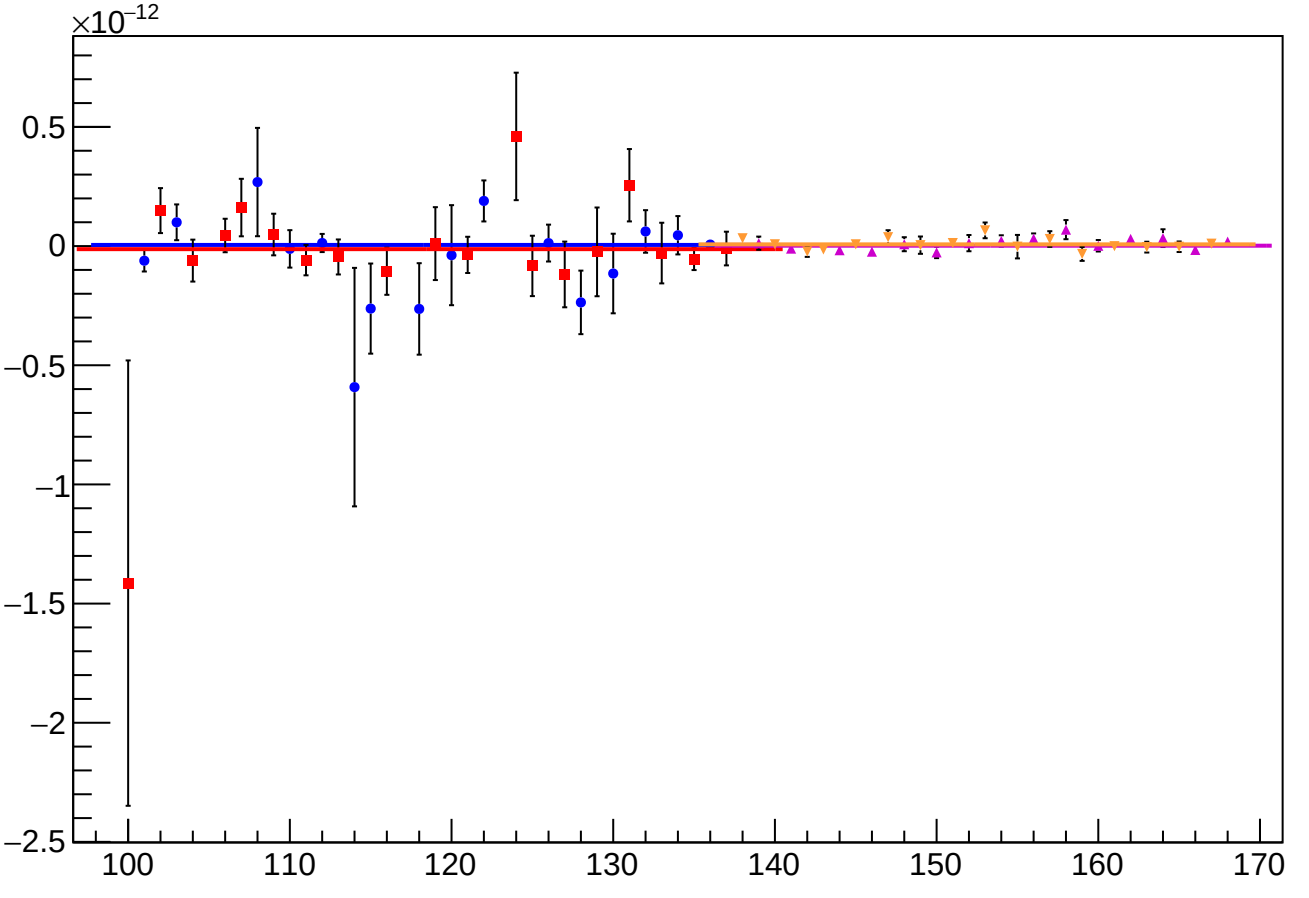
Left: 612.790+/-0.089 χ^2/NDF: 2567984.8/30

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 673.021+/-0.113 χ^2/NDF:3605017.3/30

Out: 691.189+/-0.115 χ^2/NDF:3656760.1/34

All: 681.980+/-0.081 χ^2/NDF: 7274450.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/14

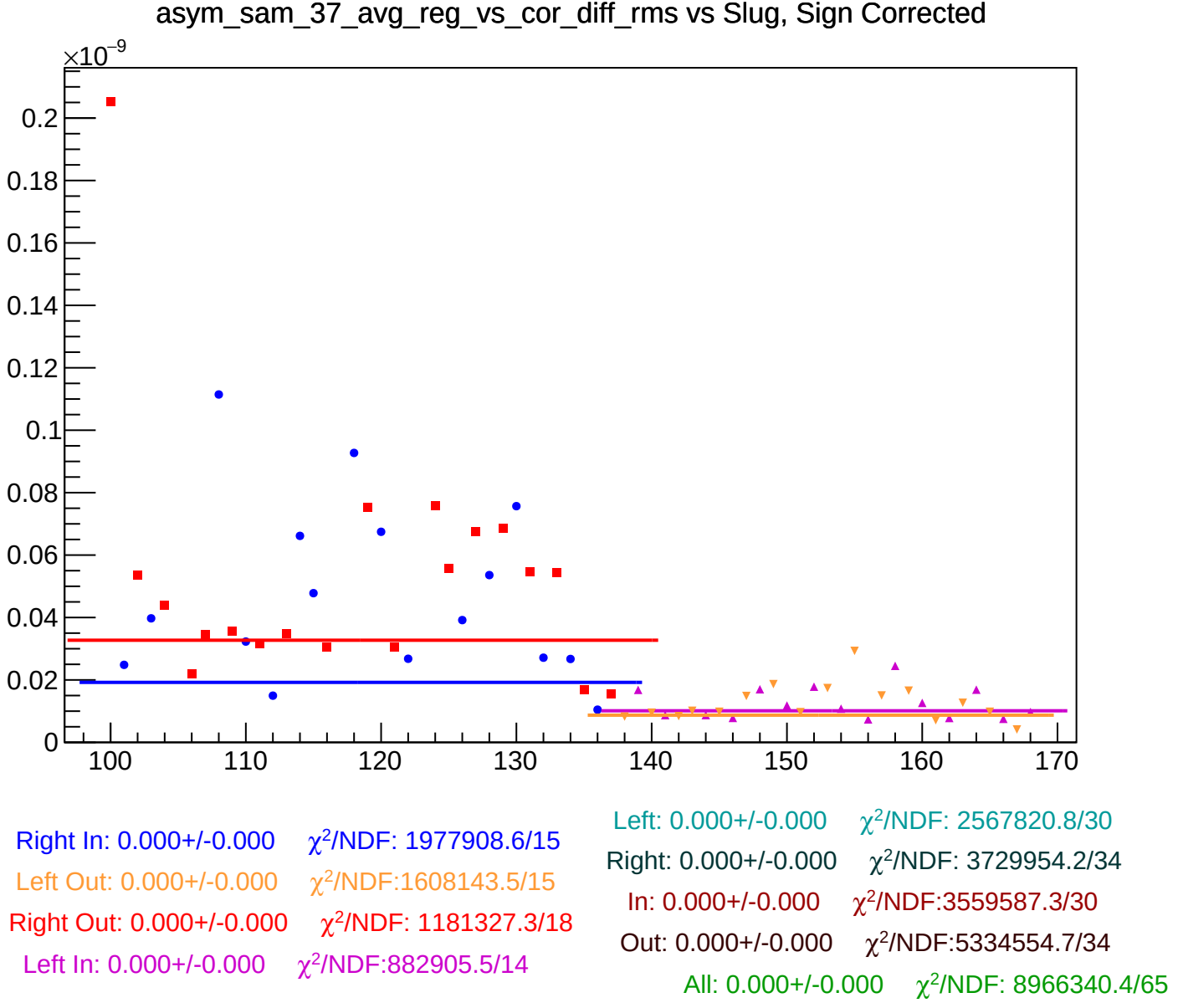
Left: 0.000+/-0.000 χ^2/NDF: 30.8/30

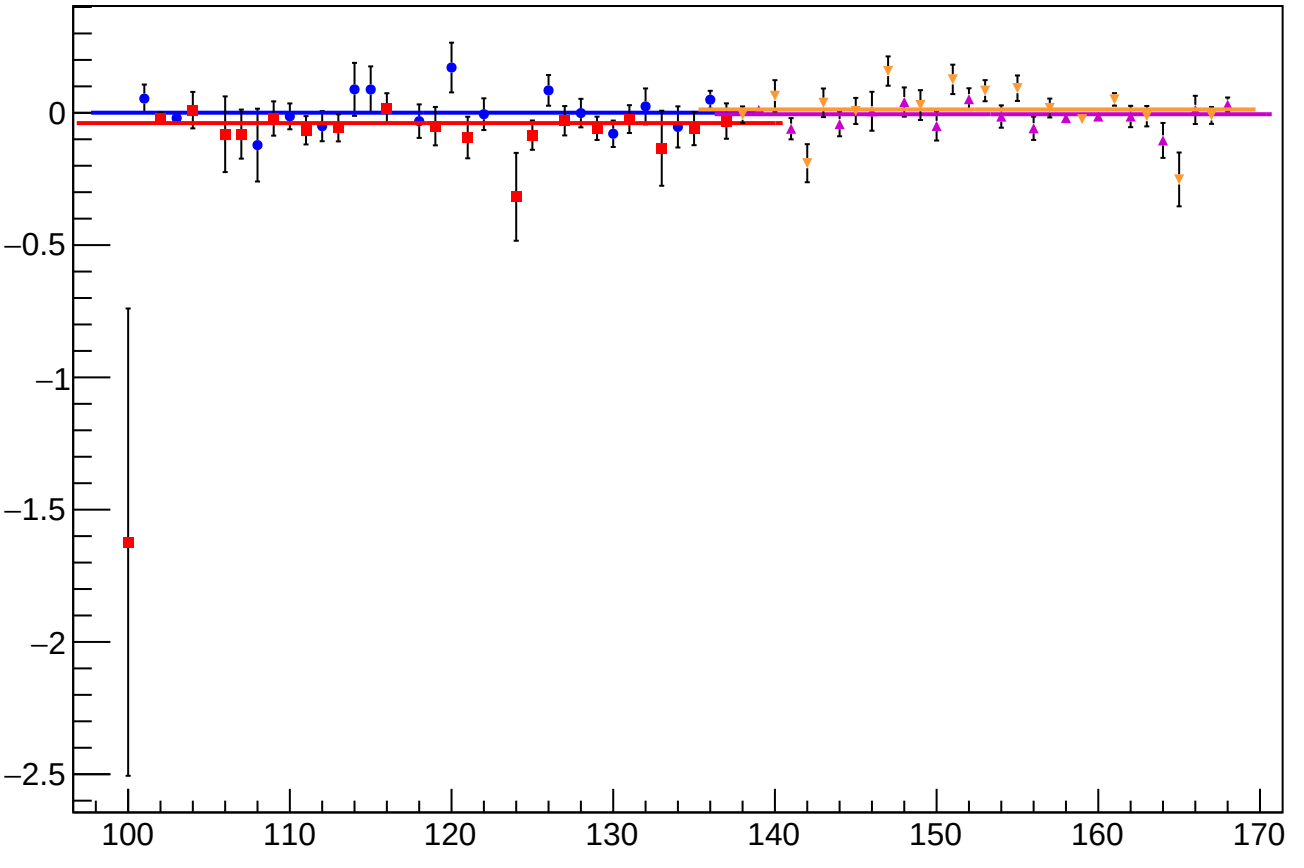
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.3/30

Out: 0.000+/-0.000 χ^2/NDF:32.0/34

All: 0.000+/-0.000 χ^2/NDF: 69.6/65


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1608143.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:882905.5/14
Left: 0.000+/-0.000 χ²/NDF: 2567820.8/30
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:3559587.3/30
Out: 0.000+/-0.000 χ²/NDF:5334554.7/34
All: 0.000+/-0.000 χ²/NDF: 8966340.4/65



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.007 χ^2/NDF:13.9/14

Left: 0.002+/-0.006 χ^2/NDF: 58.0/30

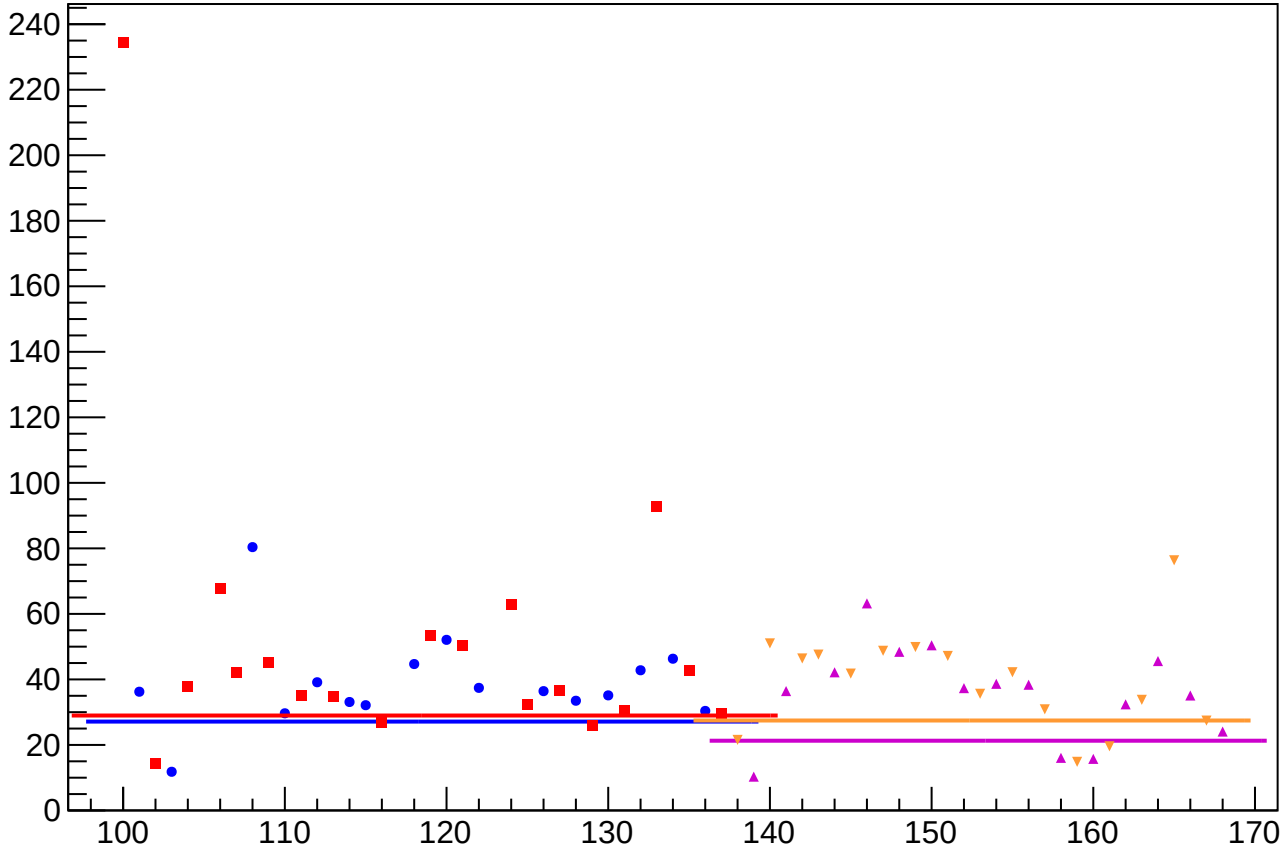
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.004+/-0.006 χ^2/NDF:30.5/30

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.004+/-0.005 χ^2/NDF: 94.4/65

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.458+/-0.006 χ^2/NDF:4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.286+/-0.005 χ^2/NDF:5600335.4/14

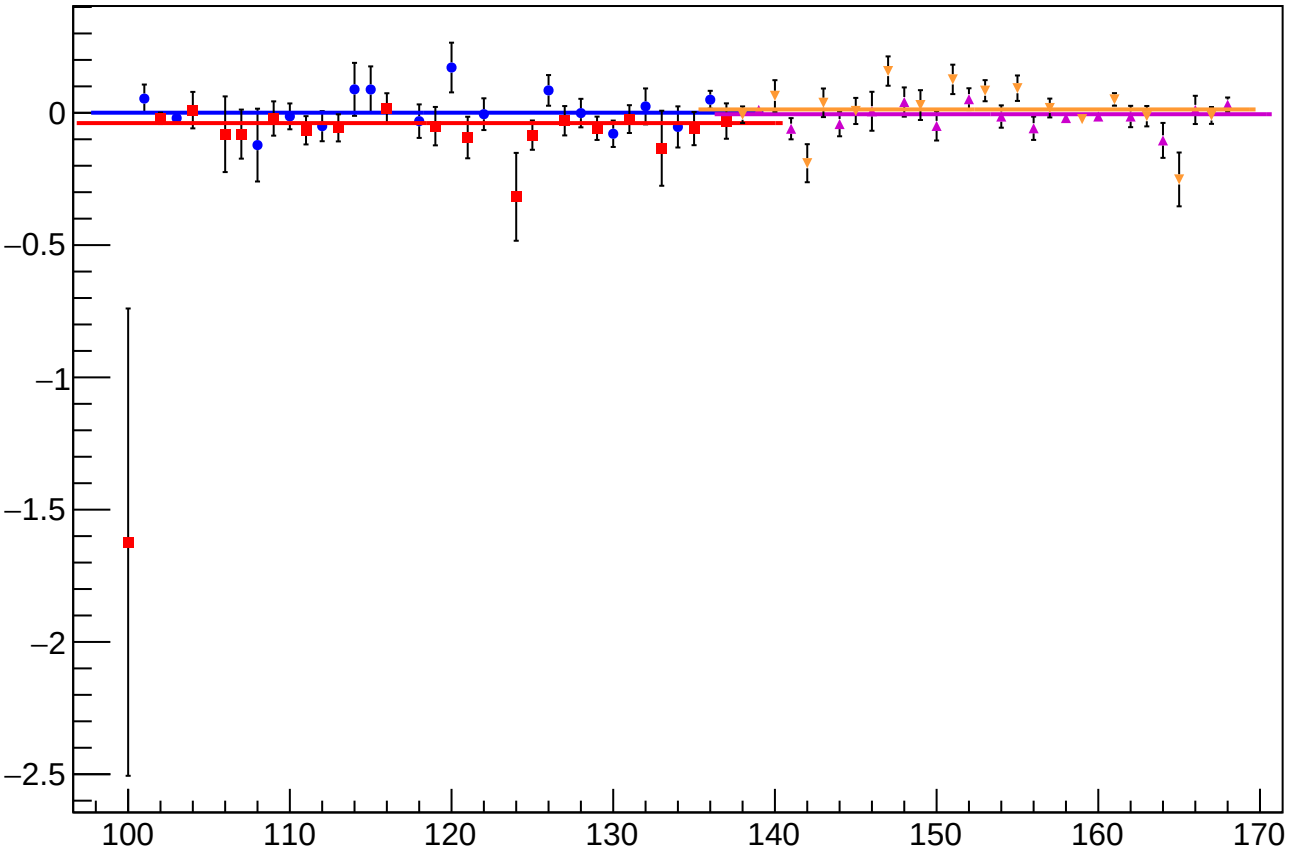
Left: 23.791+/-0.004 χ^2/NDF: 10194560.5/30

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.907+/-0.004 χ^2/NDF:8356279.5/30

Out: 27.971+/-0.005 χ^2/NDF:6513369.6/34

All: 25.069+/-0.003 χ^2/NDF: 15415067.7/65



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.007 χ^2/NDF:13.9/14

Left: 0.002+/-0.006 χ^2/NDF: 58.0/30

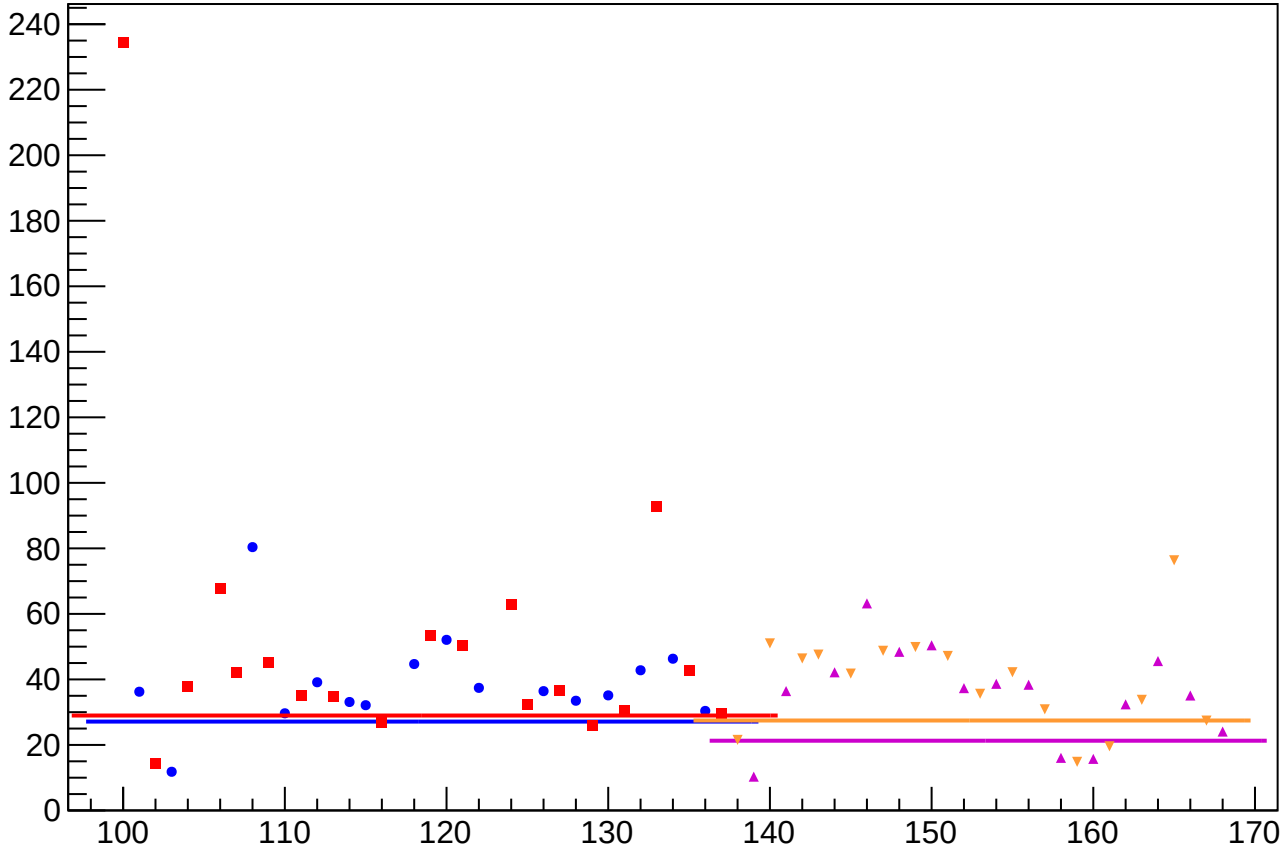
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.004+/-0.006 χ^2/NDF:30.5/30

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.004+/-0.005 χ^2/NDF: 94.4/65

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.458+/-0.006 χ^2/NDF:4037922.1/15

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.286+/-0.005 χ^2/NDF:5600335.4/14

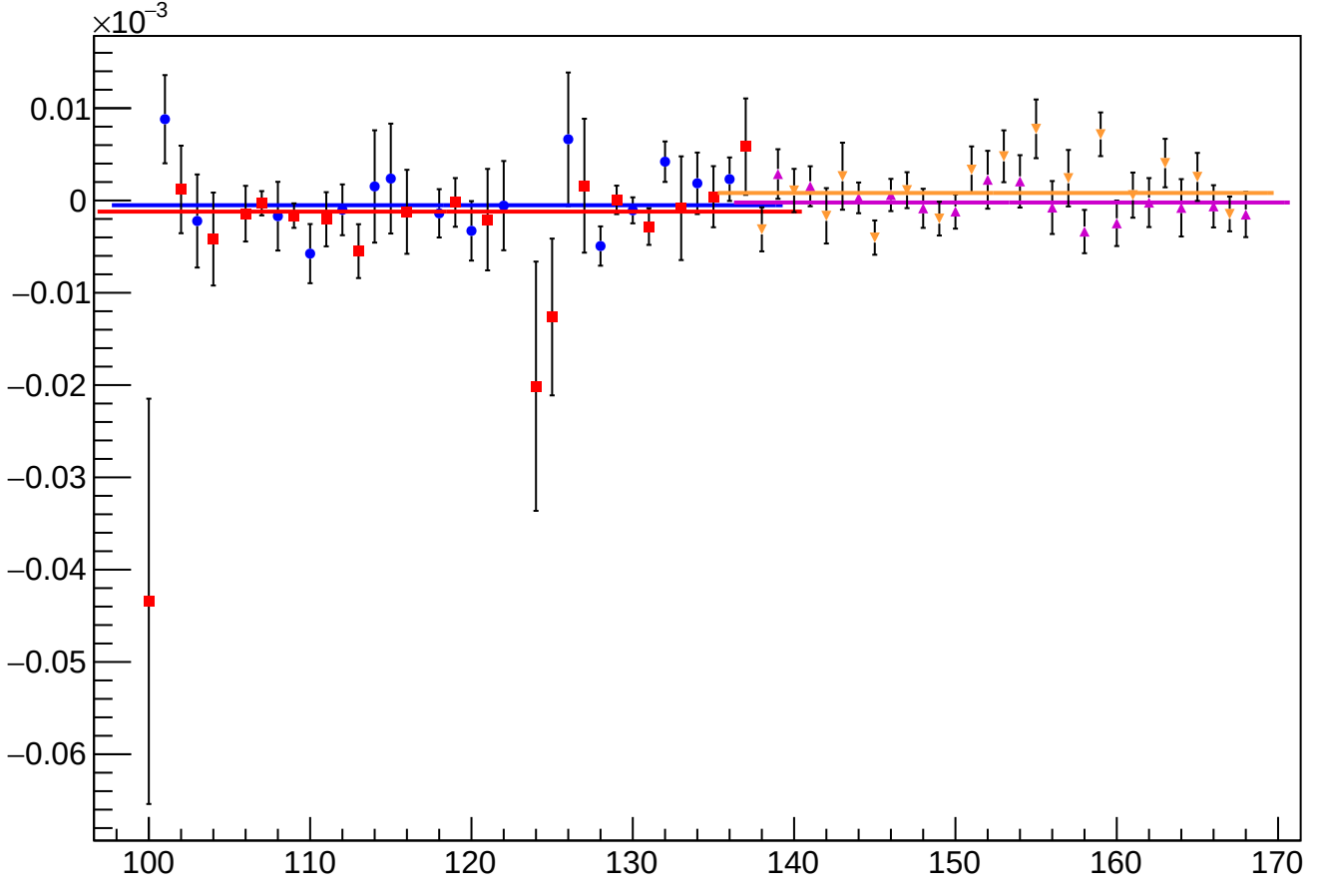
Left: 23.791+/-0.004 χ^2/NDF: 10194560.5/30

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.907+/-0.004 χ^2/NDF:8356279.5/30

Out: 27.971+/-0.005 χ^2/NDF:6513369.6/34

All: 25.069+/-0.003 χ^2/NDF: 15415067.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/14

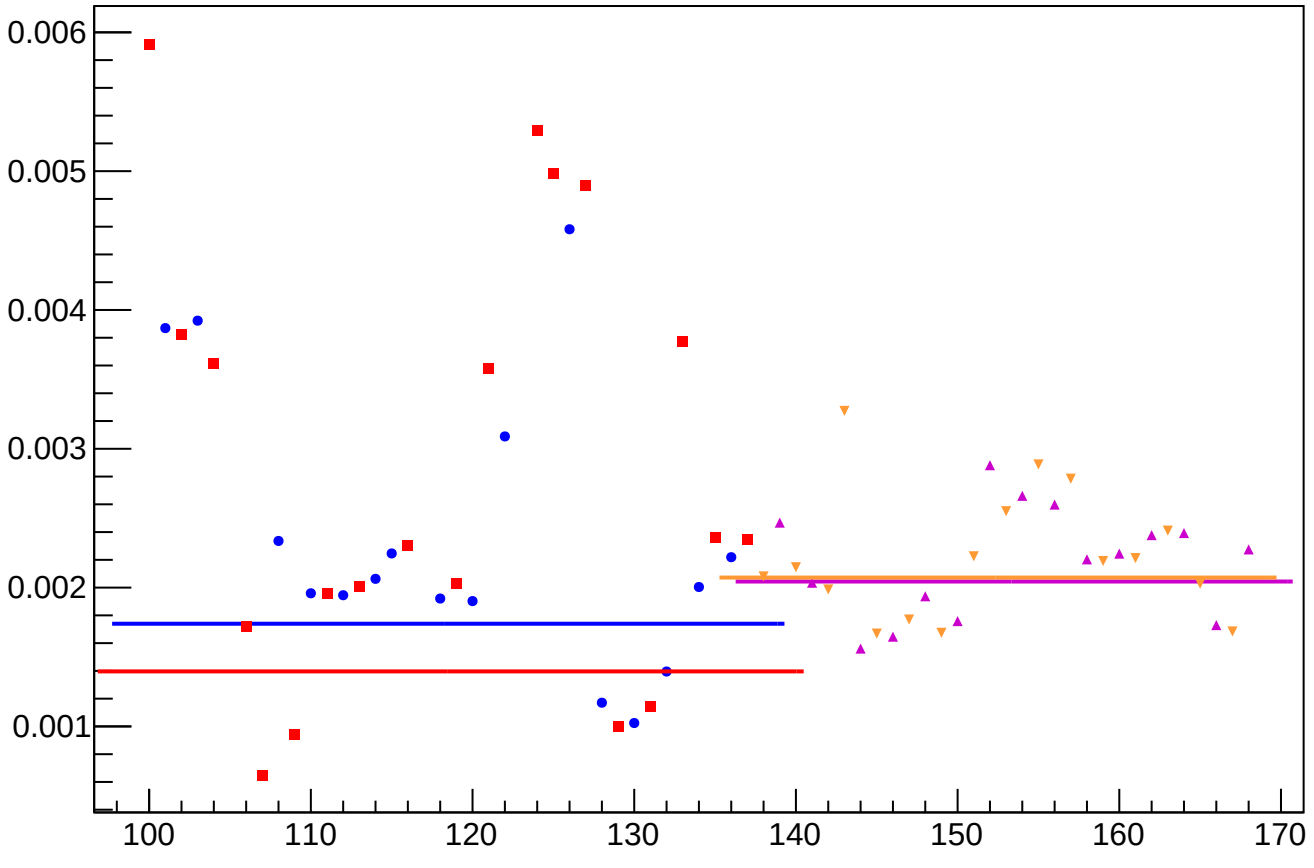
Left: 0.000+/-0.000 χ^2/NDF: 39.9/30

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:27.0/30

Out: -0.000+/-0.000 χ^2/NDF:51.7/34

All: -0.000+/-0.000 χ^2/NDF: 78.7/65



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:894372.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:820658.5/14

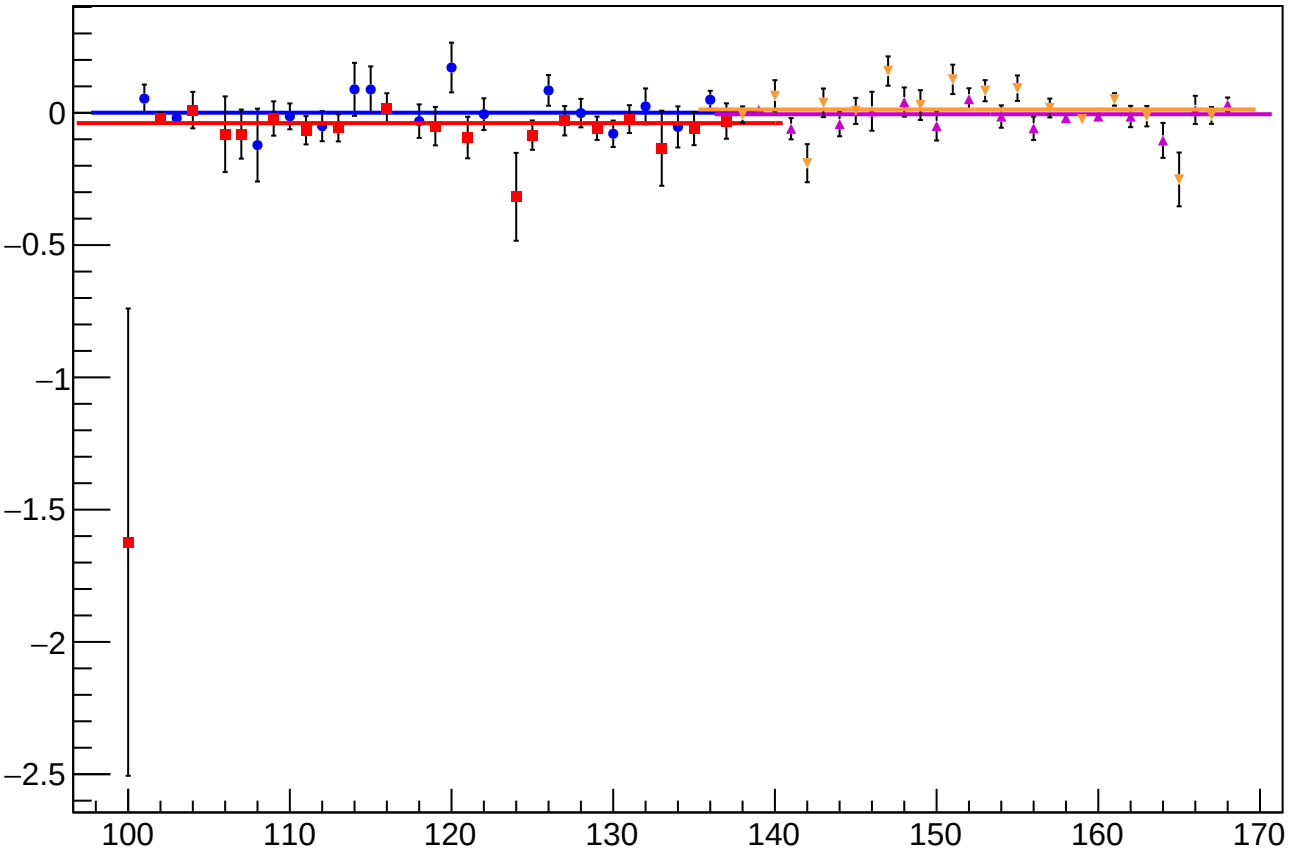
Left: 0.002+/-0.000 χ^2/NDF: 1717326.2/30

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3181365.9/30

Out: 0.002+/-0.000 χ^2/NDF:6468347.2/34

All: 0.002+/-0.000 χ^2/NDF: 9811280.6/65



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.007 χ^2/NDF:13.9/14

Left: 0.002+/-0.006 χ^2/NDF: 58.0/30

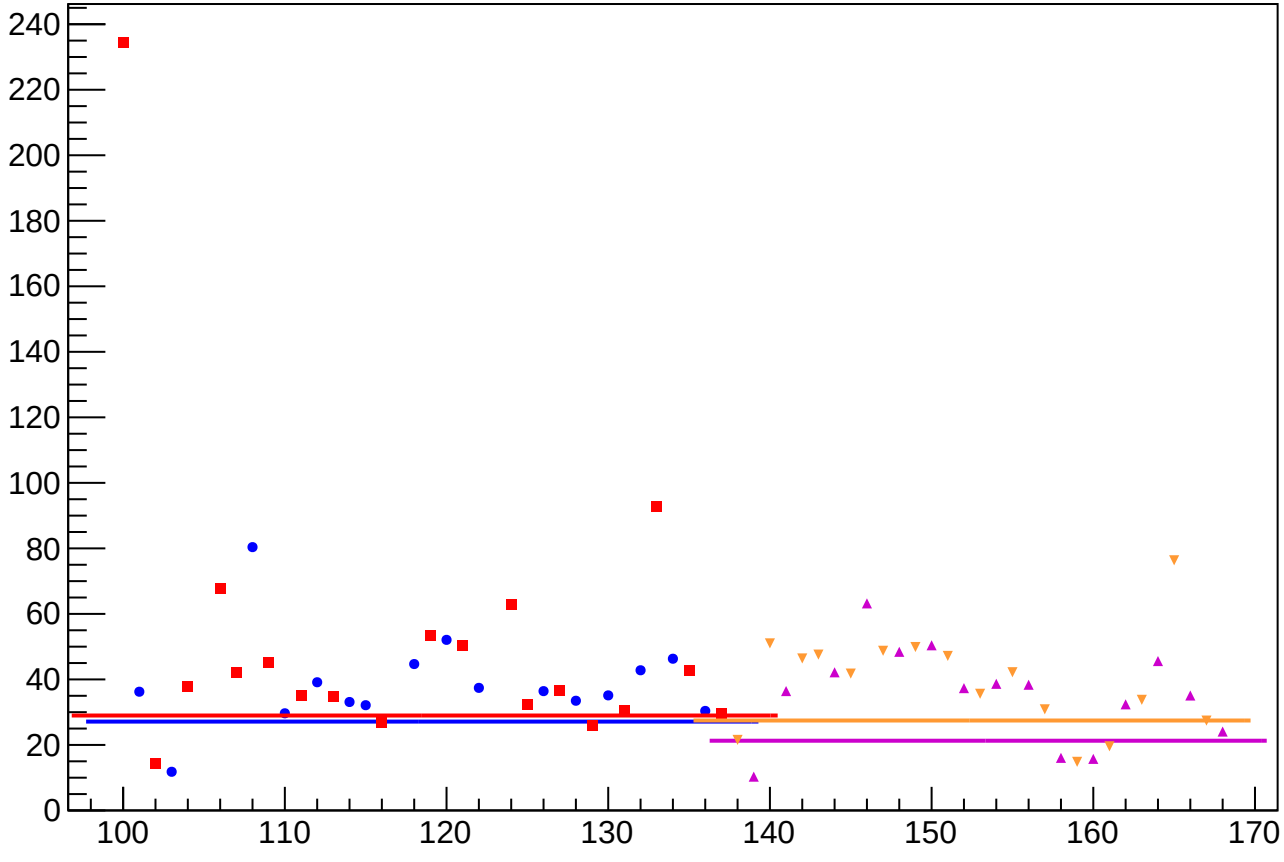
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.004+/-0.006 χ^2/NDF:30.5/30

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.004+/-0.005 χ^2/NDF: 94.4/65

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.457+/-0.006 χ^2/NDF:4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.285+/-0.005 χ^2/NDF:5601141.8/14

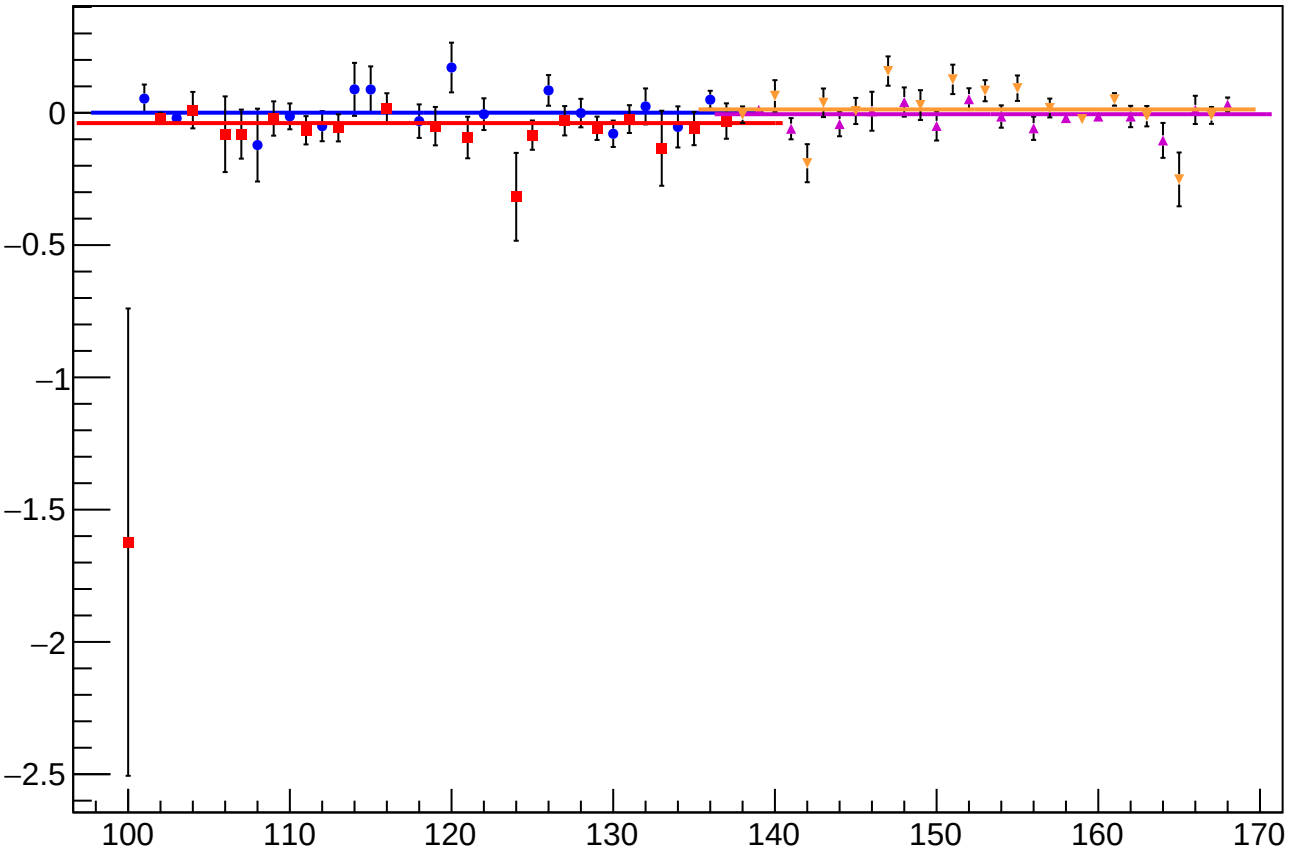
Left: 23.790+/-0.004 χ^2/NDF: 10195932.4/30

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.906+/-0.004 χ^2/NDF:8357488.9/30

Out: 27.972+/-0.005 χ^2/NDF:6513296.2/34

All: 25.069+/-0.003 χ^2/NDF: 15416551.2/65



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:41.7/15

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.007 χ^2/NDF:13.9/14

Left: 0.002+/-0.006 χ^2/NDF: 58.0/30

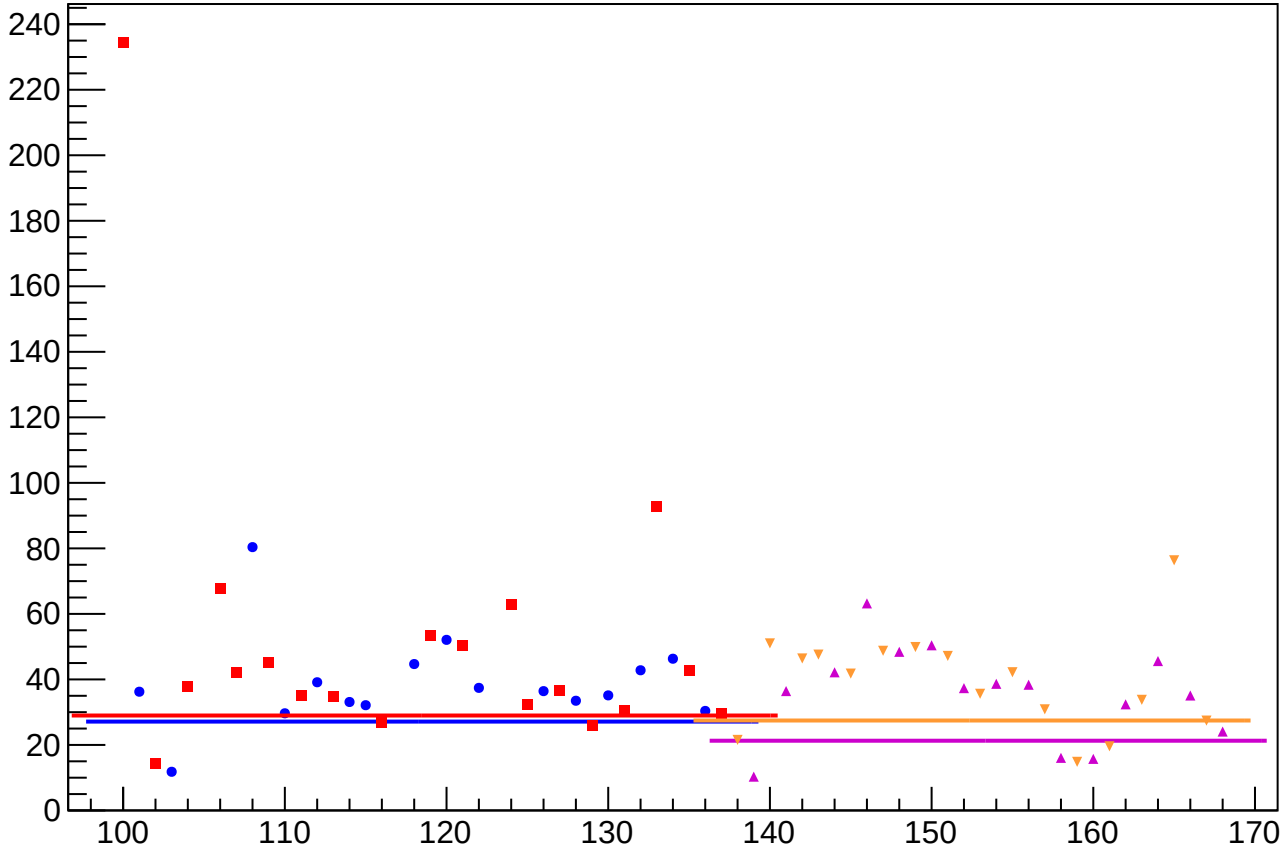
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.004+/-0.006 χ^2/NDF:30.5/30

Out: -0.005+/-0.007 χ^2/NDF:63.8/34

All: -0.004+/-0.005 χ^2/NDF: 94.4/65

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.457+/-0.006 χ^2/NDF:4038360.0/15

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.285+/-0.005 χ^2/NDF:5601141.8/14

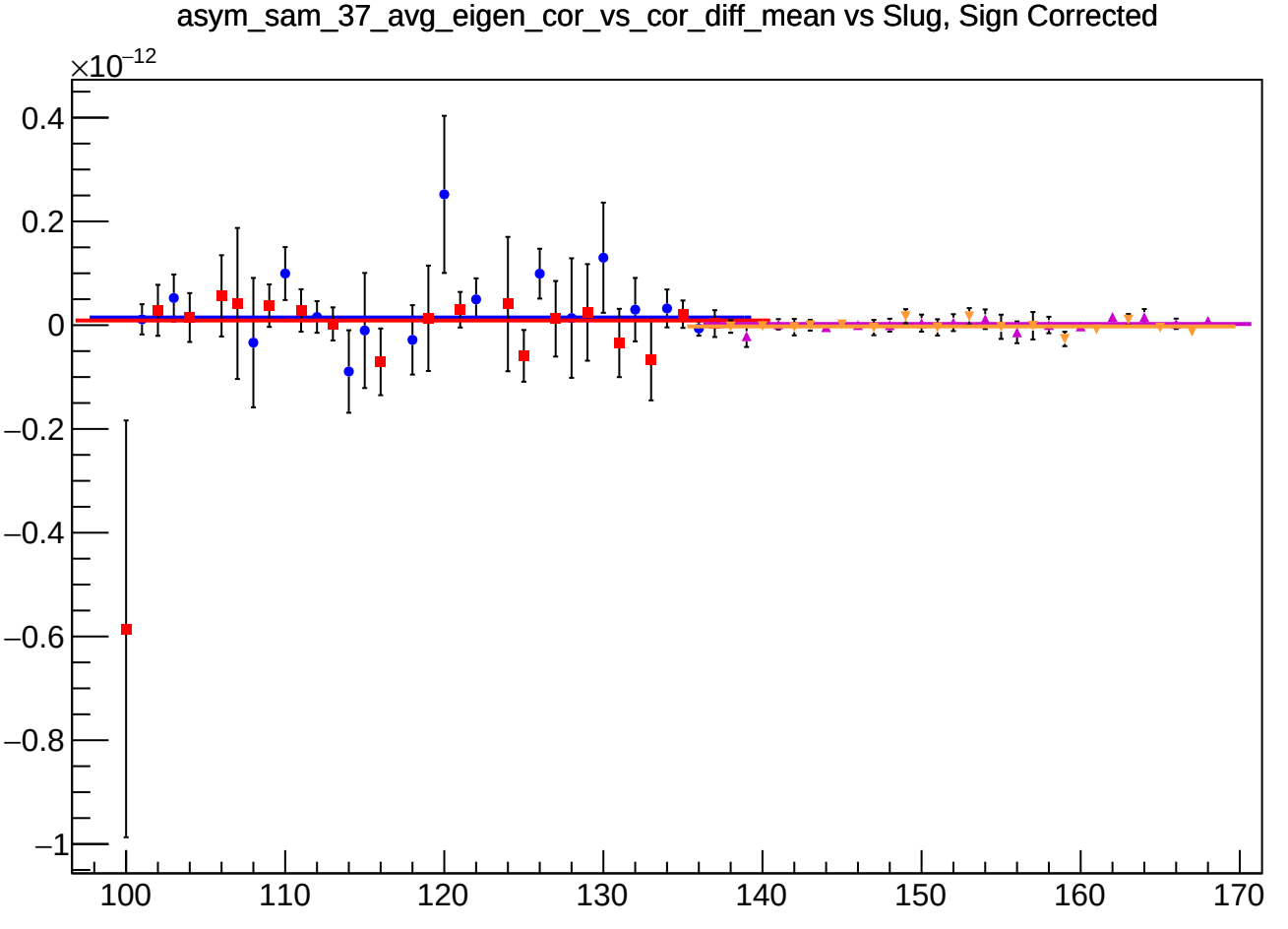
Left: 23.790+/-0.004 χ^2/NDF: 10195932.4/30

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.906+/-0.004 χ^2/NDF:8357488.9/30

Out: 27.972+/-0.005 χ^2/NDF:6513296.2/34

All: 25.069+/-0.003 χ^2/NDF: 15416551.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/14

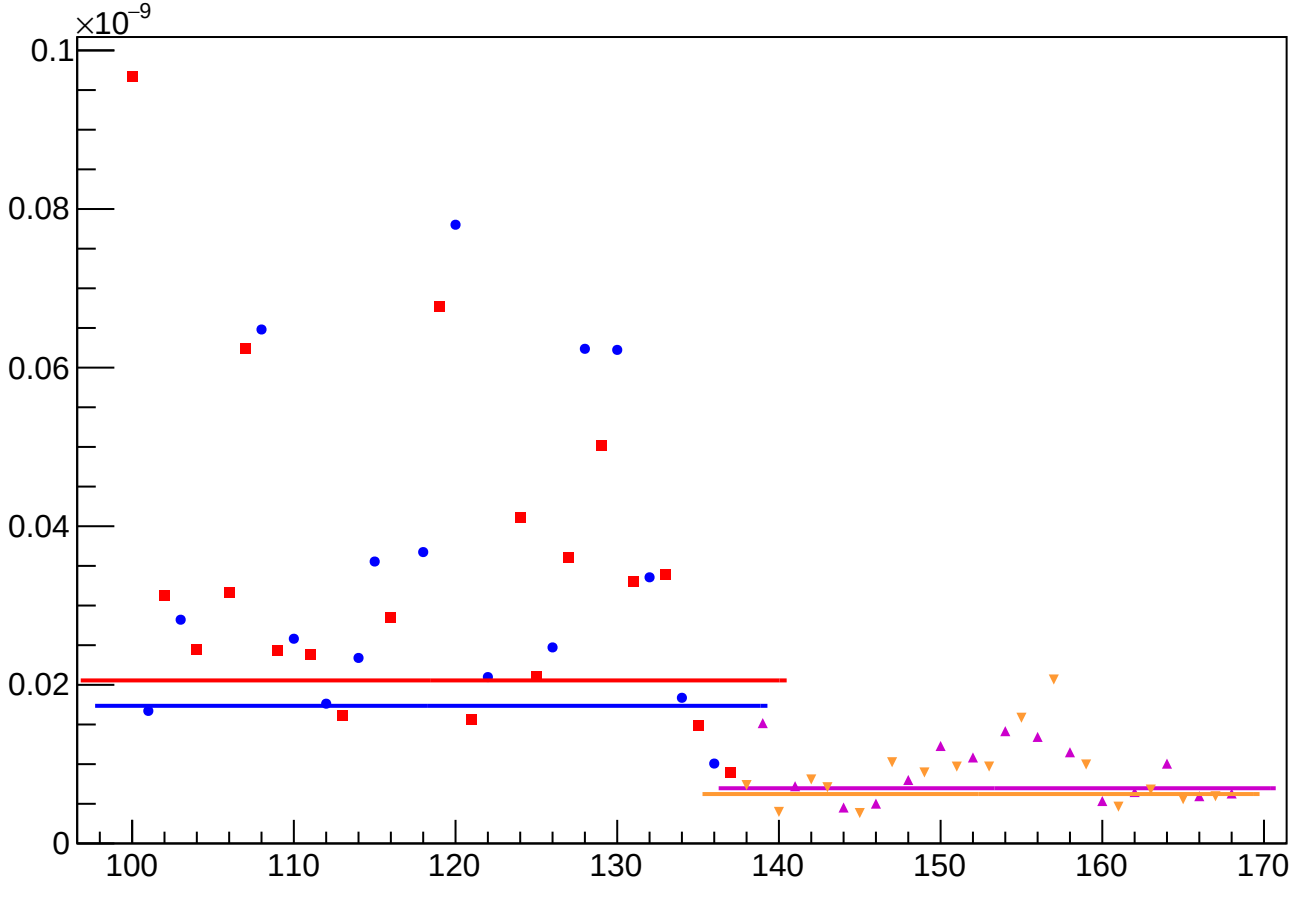
Left: -0.000+/-0.000 χ^2/NDF: 18.8/30

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:24.3/30

Out: -0.000+/-0.000 χ^2/NDF:20.7/34

All: 0.000+/-0.000 χ^2/NDF: 46.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165989.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1863591.5/14

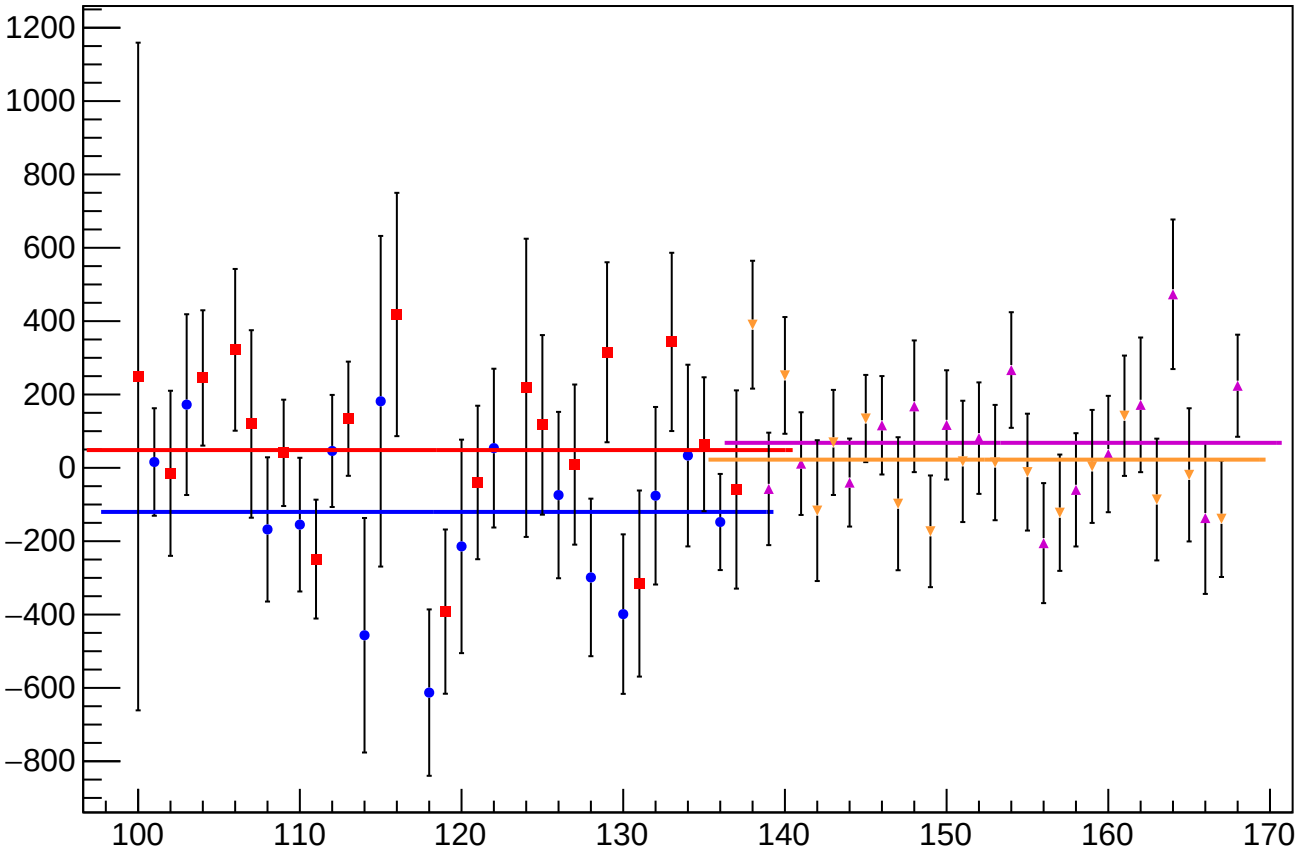
Left: 0.000+/-0.000 χ^2/NDF: 4100907.1/30

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6524403.3/30

Out: 0.000+/-0.000 χ^2/NDF:7398457.6/34

All: 0.000+/-0.000 χ^2/NDF: 14012087.2/65



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.386+/-39.708 χ^2/NDF:13.1/15

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 68.202+/-39.972 χ^2/NDF:13.8/14

Left: 45.142+/-28.171 χ^2/NDF: 27.5/30

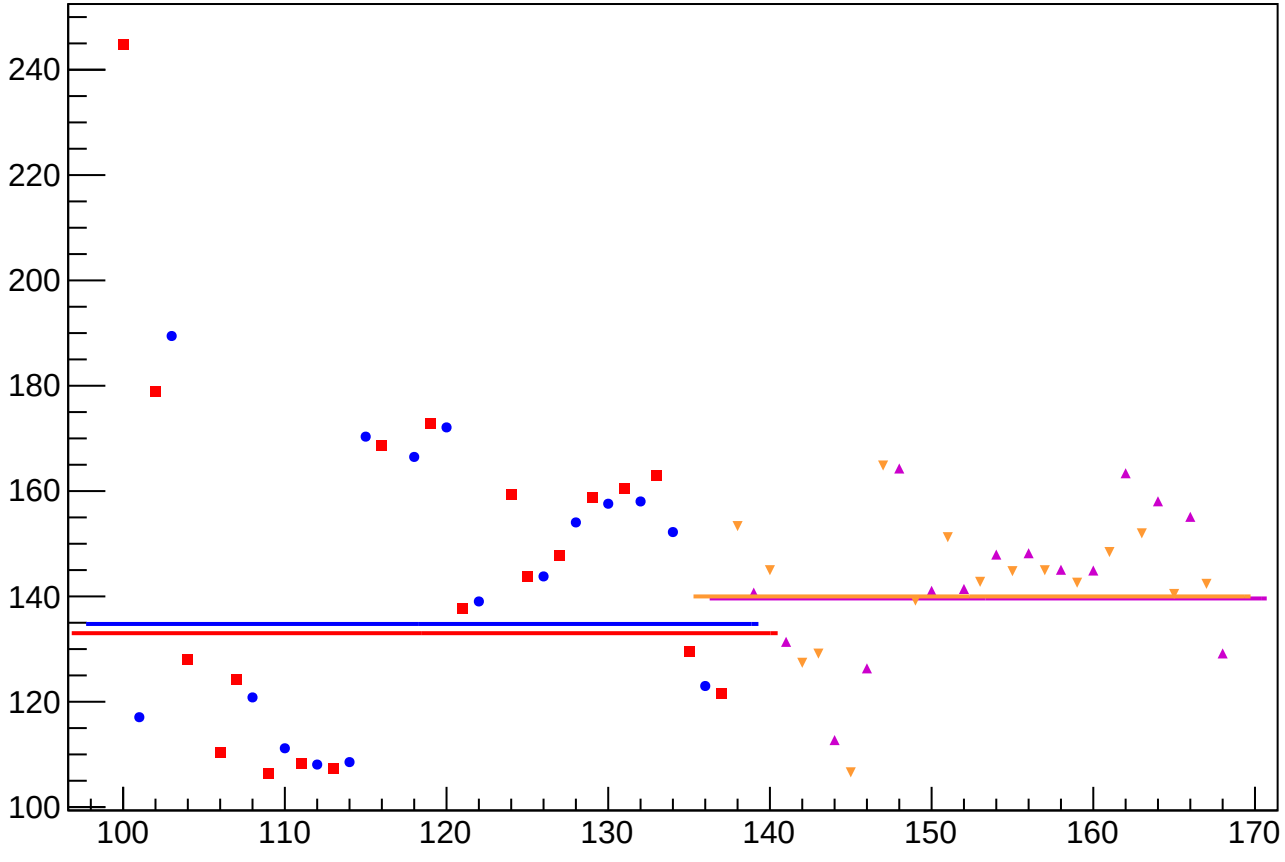
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -3.296+/-31.485 χ^2/NDF:35.6/30

Out: 32.488+/-31.073 χ^2/NDF:30.3/34

All: 14.831+/-22.116 χ^2/NDF: 66.5/65

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.613+/-0.028 χ^2/NDF:253473.5/14

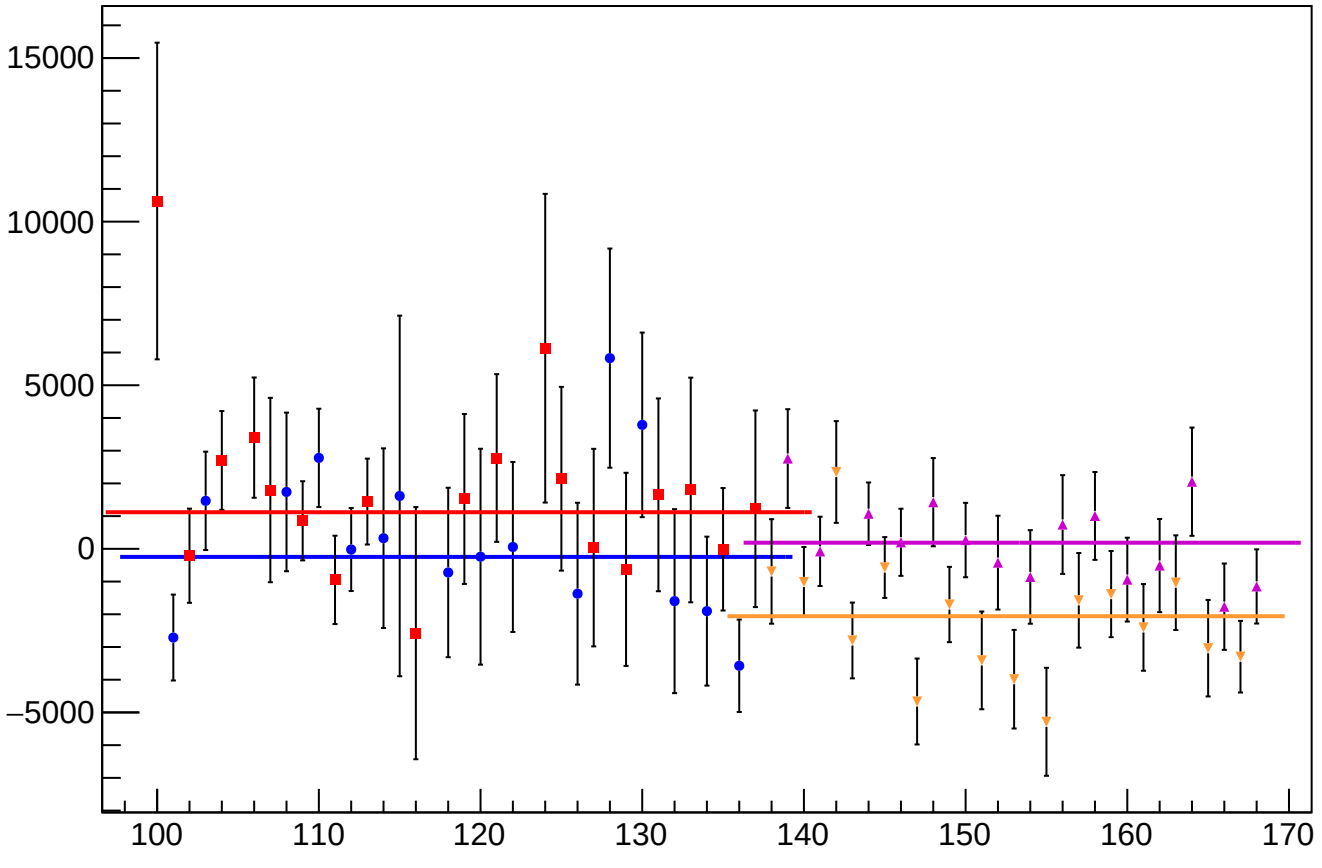
Left: 139.806+/-0.020 χ^2/NDF: 513180.7/30

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.775+/-0.022 χ^2/NDF:681389.4/30

Out: 137.292+/-0.022 χ^2/NDF:779267.6/34

All: 137.530+/-0.016 χ^2/NDF: 1460895.3/65



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -2059.209+/-323.231 χ^2/NDF:25.7/15

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 187.139+/-324.593 χ^2/NDF:11.8/14

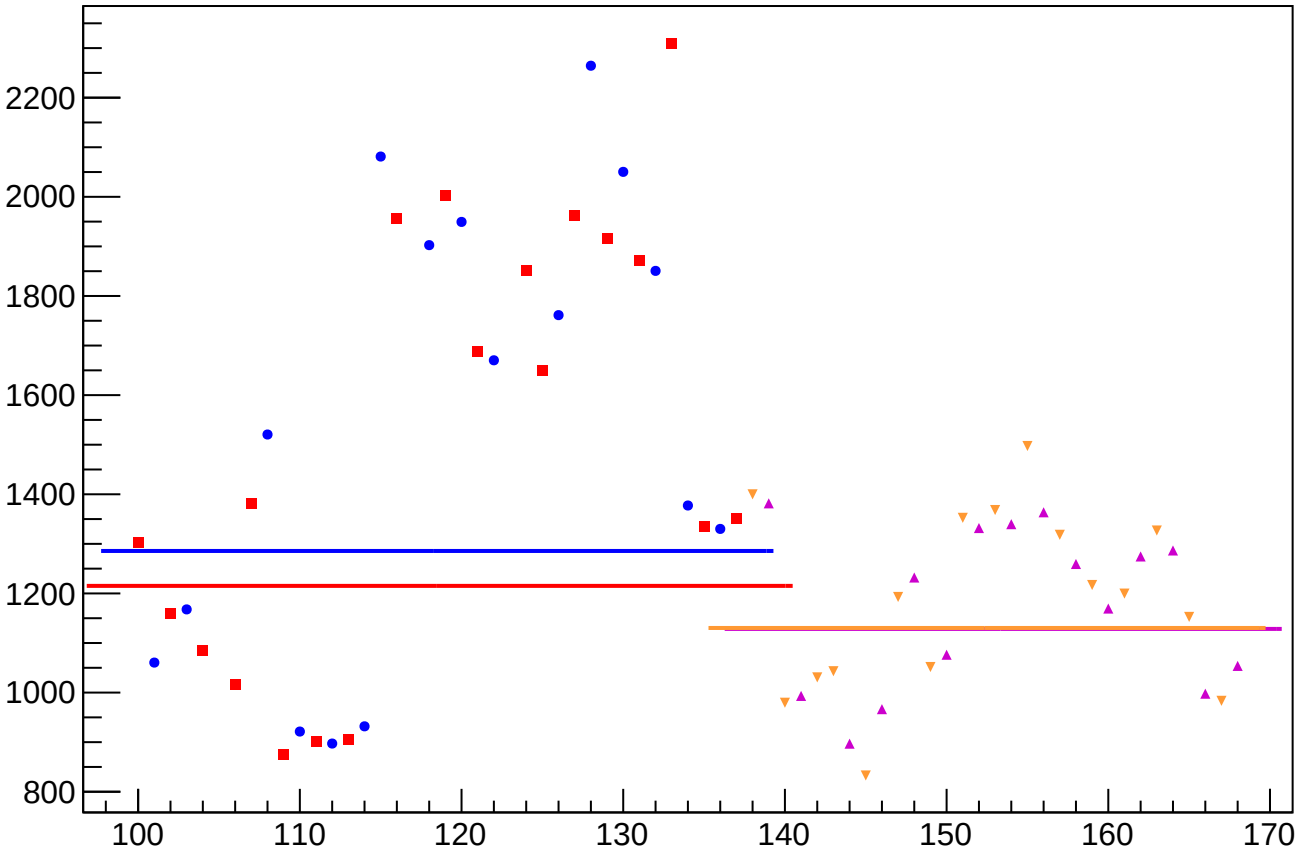
Left: -940.756+/-229.039 χ^2/NDF: 61.5/30

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 59.122+/-272.481 χ^2/NDF:33.9/30

Out: -1033.825+/-266.036 χ^2/NDF:70.3/34

All: -500.431+/-190.354 χ^2/NDF: 112.4/65



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1130.333+/-0.229 χ^2/NDF:649576.8/15

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1128.430+/-0.230 χ^2/NDF:493514.7/14

Left: 1129.385+/-0.162 χ^2/NDF: 1143126.1/30

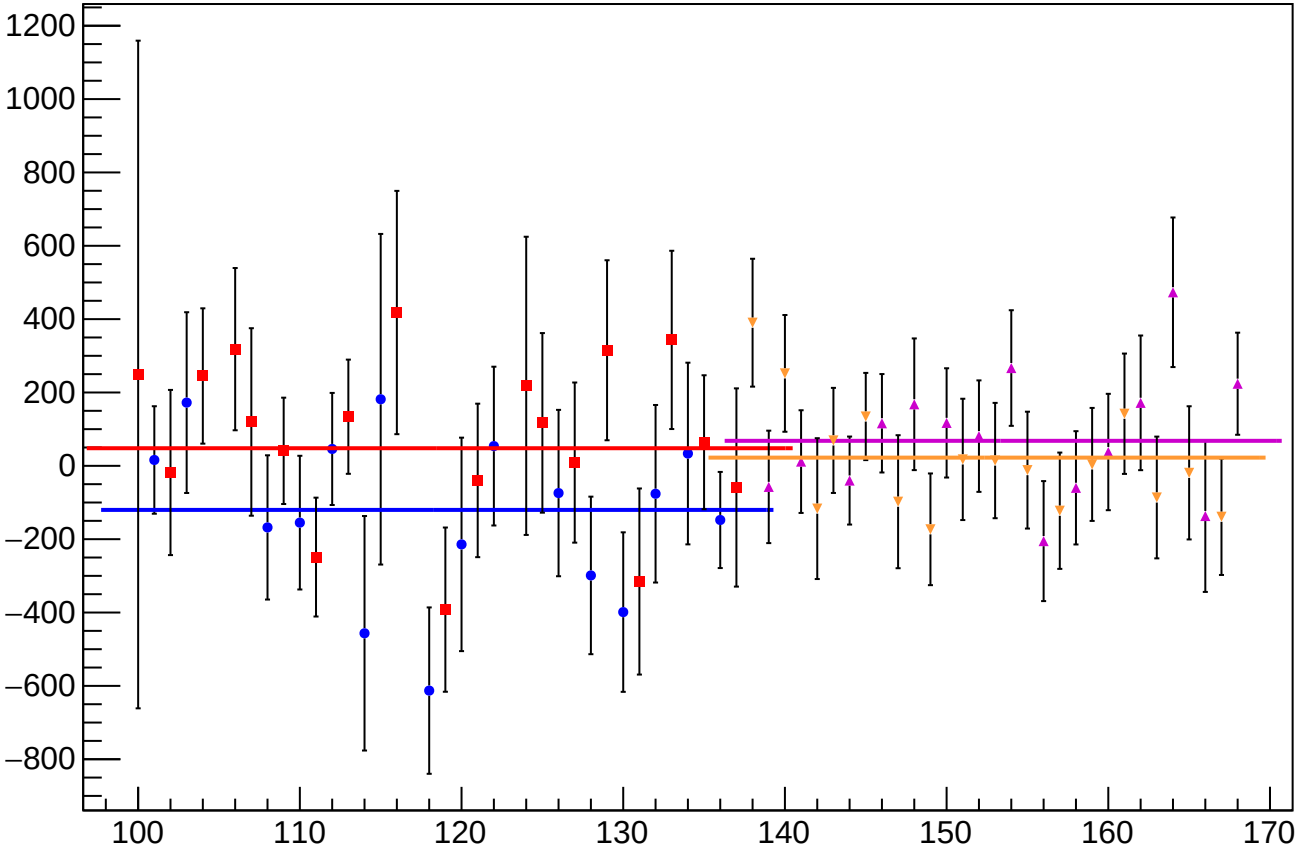
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1174.864+/-0.193 χ^2/NDF:1802548.6/30

Out: 1157.722+/-0.188 χ^2/NDF:2080382.8/34

All: 1166.088+/-0.135 χ^2/NDF: 3886984.1/65

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.392+/-39.708 χ^2/NDF:13.1/15

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 68.203+/-39.972 χ^2/NDF:13.8/14

Left: 45.145+/-28.171 χ^2/NDF: 27.5/30

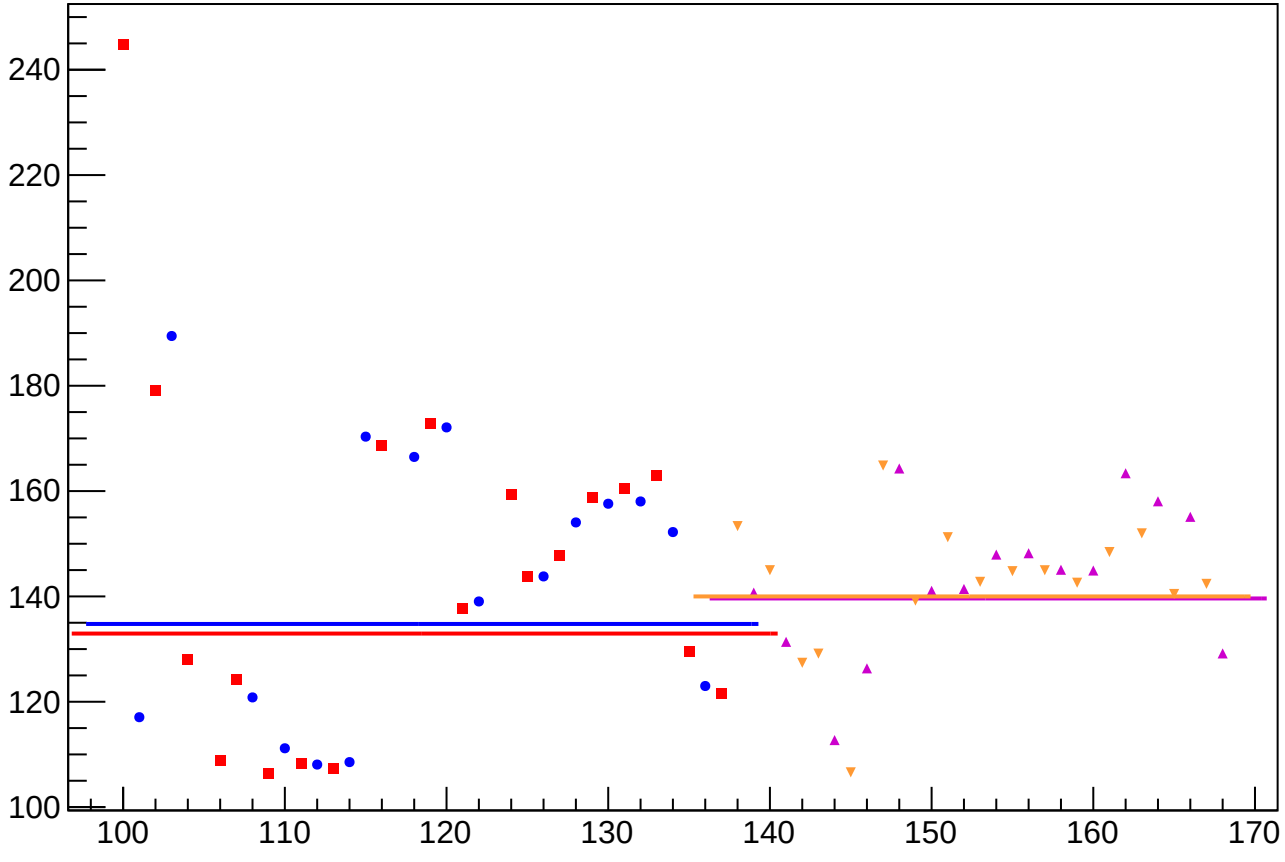
Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -3.300+/-31.485 χ^2/NDF:35.6/30

Out: 32.321+/-31.075 χ^2/NDF:30.2/34

All: 14.744+/-22.117 χ^2/NDF: 66.5/65

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.613+/-0.028 χ^2/NDF:253473.6/14

Left: 139.806+/-0.020 χ^2/NDF: 513180.7/30

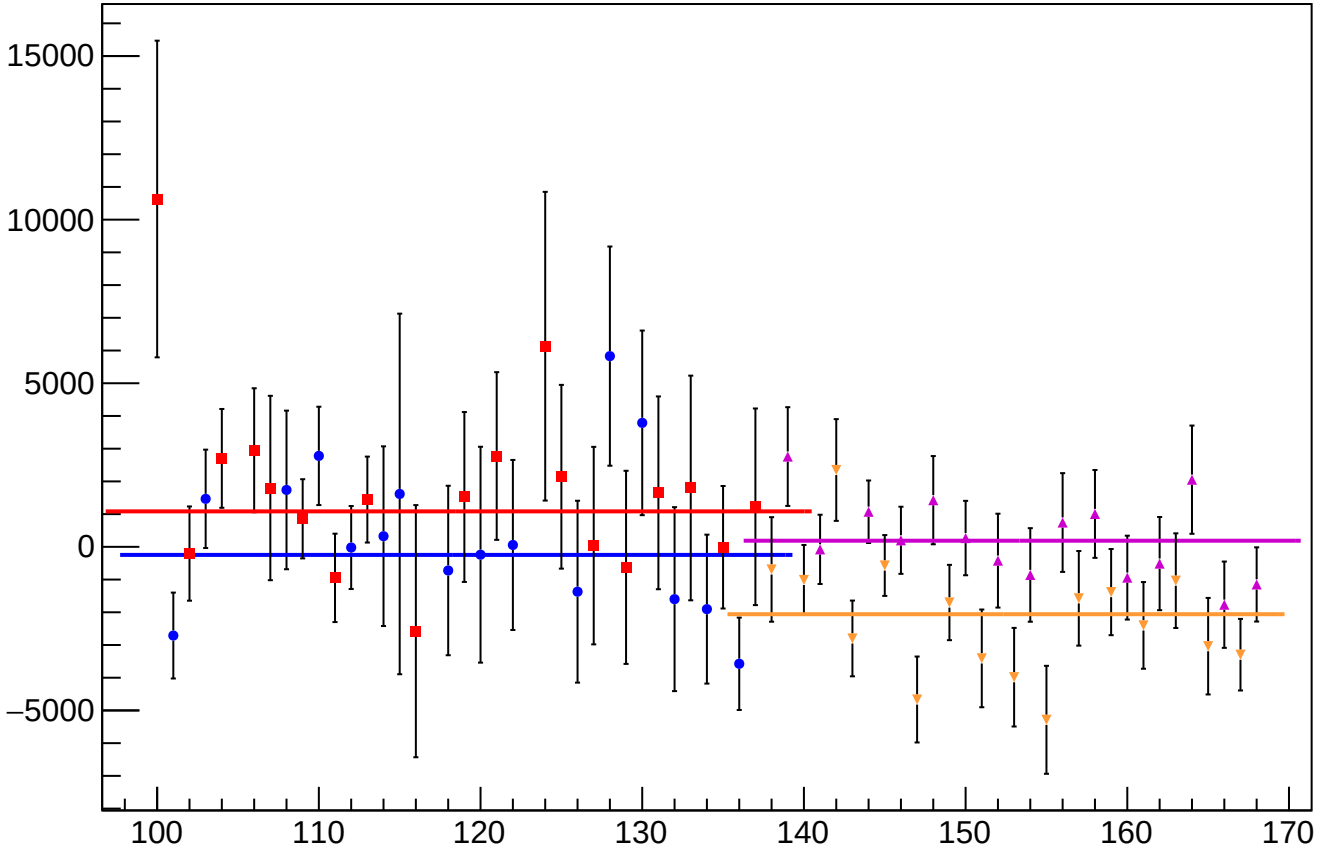
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.775+/-0.022 χ^2/NDF:681392.4/30

Out: 137.265+/-0.022 χ^2/NDF:782894.9/34

All: 137.516+/-0.016 χ^2/NDF: 1464553.4/65

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 187.150+/-324.593 χ^2/NDF:11.8/14

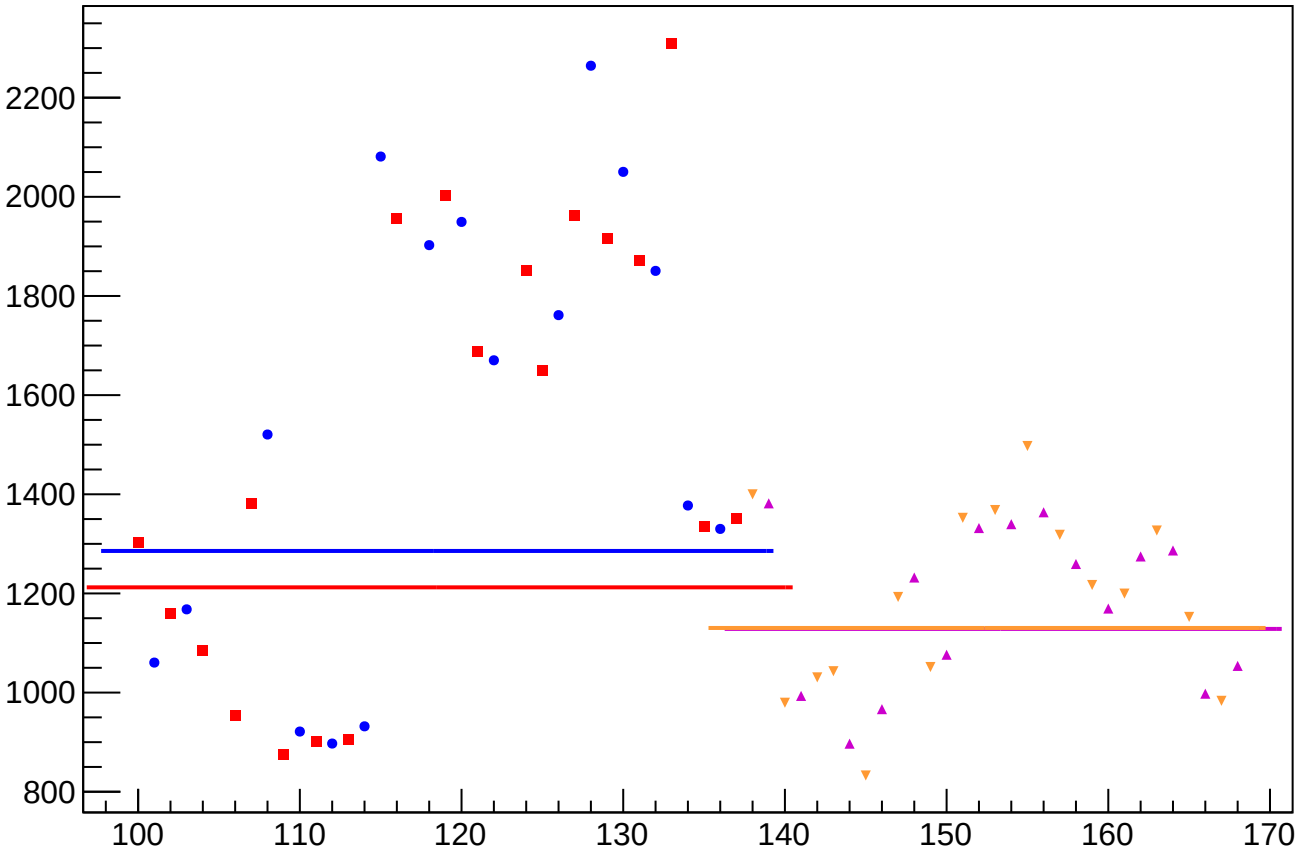
Left: -940.746+/-229.039 χ^2/NDF: 61.5/30

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 59.111+/-272.482 χ^2/NDF:33.9/30

Out: -1047.918+/-266.205 χ^2/NDF:68.9/34

All: -507.303+/-190.416 χ^2/NDF: 111.2/65



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1128.430+/-0.230 χ^2/NDF:493512.3/14

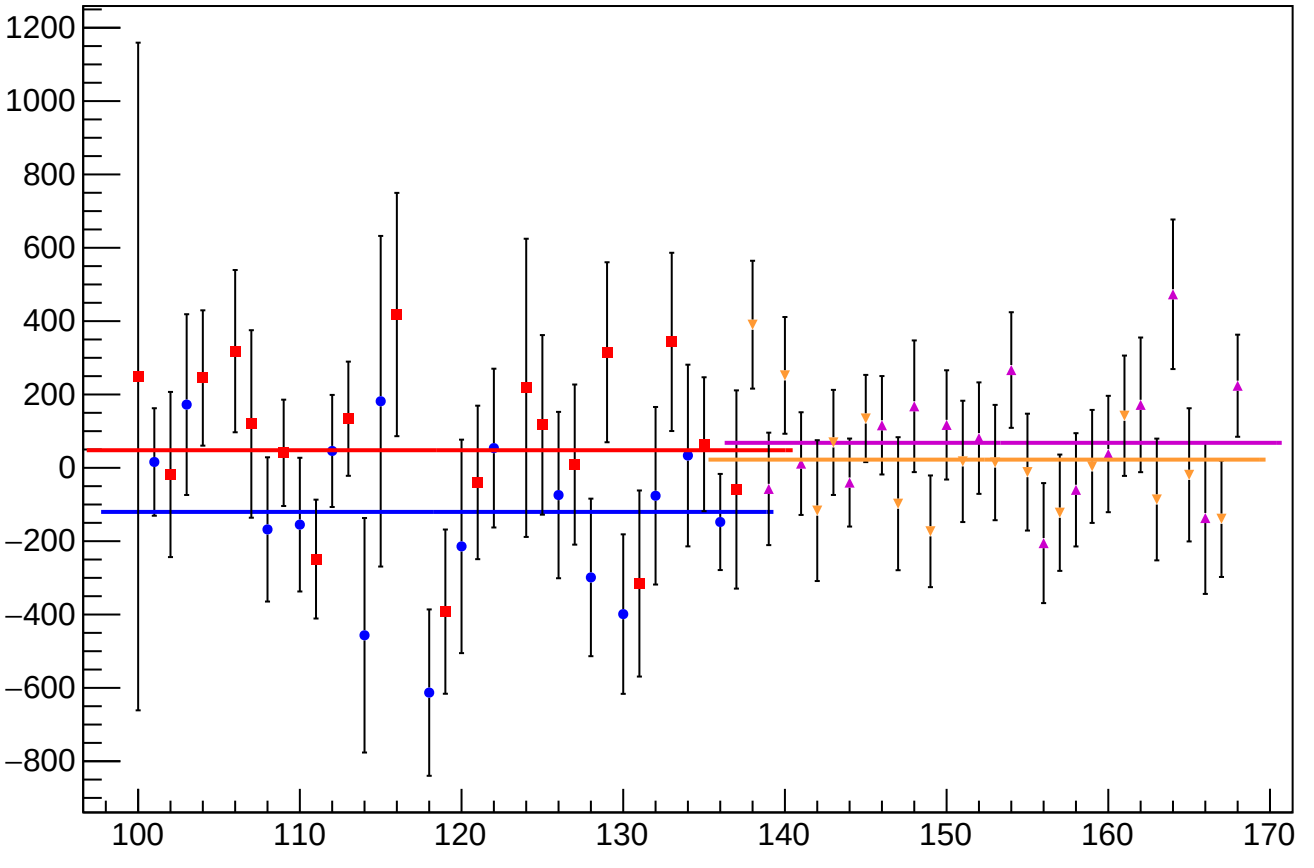
Left: 1129.385+/-0.162 χ^2/NDF: 1143126.0/30

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1174.868+/-0.193 χ^2/NDF:1802542.6/30

Out: 1156.696+/-0.188 χ^2/NDF:2091568.8/34

All: 1165.570+/-0.135 χ^2/NDF: 3898662.8/65



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 22.392+/-39.708 χ^2/NDF:13.1/15

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 68.203+/-39.972 χ^2/NDF:13.8/14

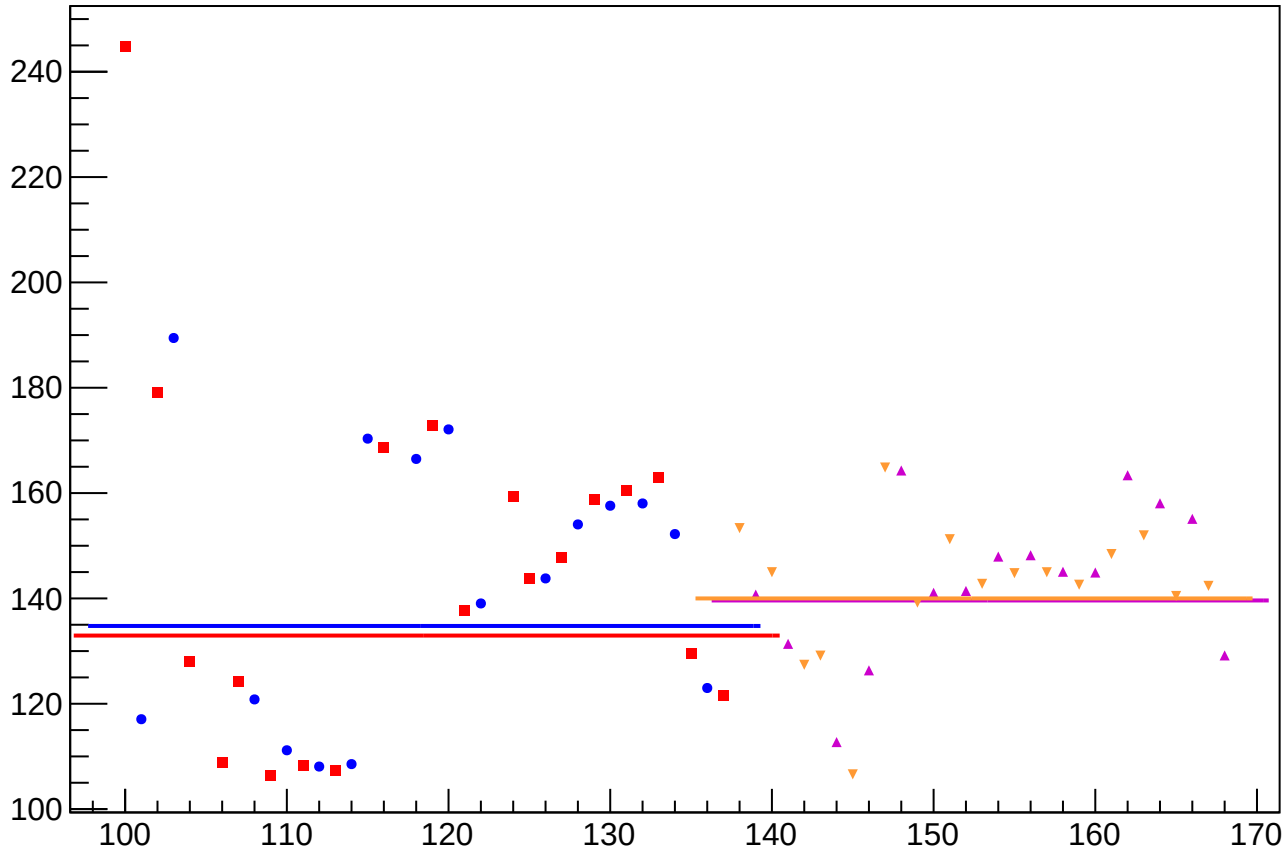
Left: 45.145+/-28.171 χ^2/NDF: 27.5/30

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -3.300+/-31.485 χ^2/NDF:35.6/30

Out: 32.321+/-31.075 χ^2/NDF:30.2/34

All: 14.744+/-22.117 χ^2/NDF: 66.5/65



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.997+/-0.028 χ^2/NDF:259614.3/15

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.613+/-0.028 χ^2/NDF:253473.6/14

Left: 139.806+/-0.020 χ^2/NDF: 513180.7/30

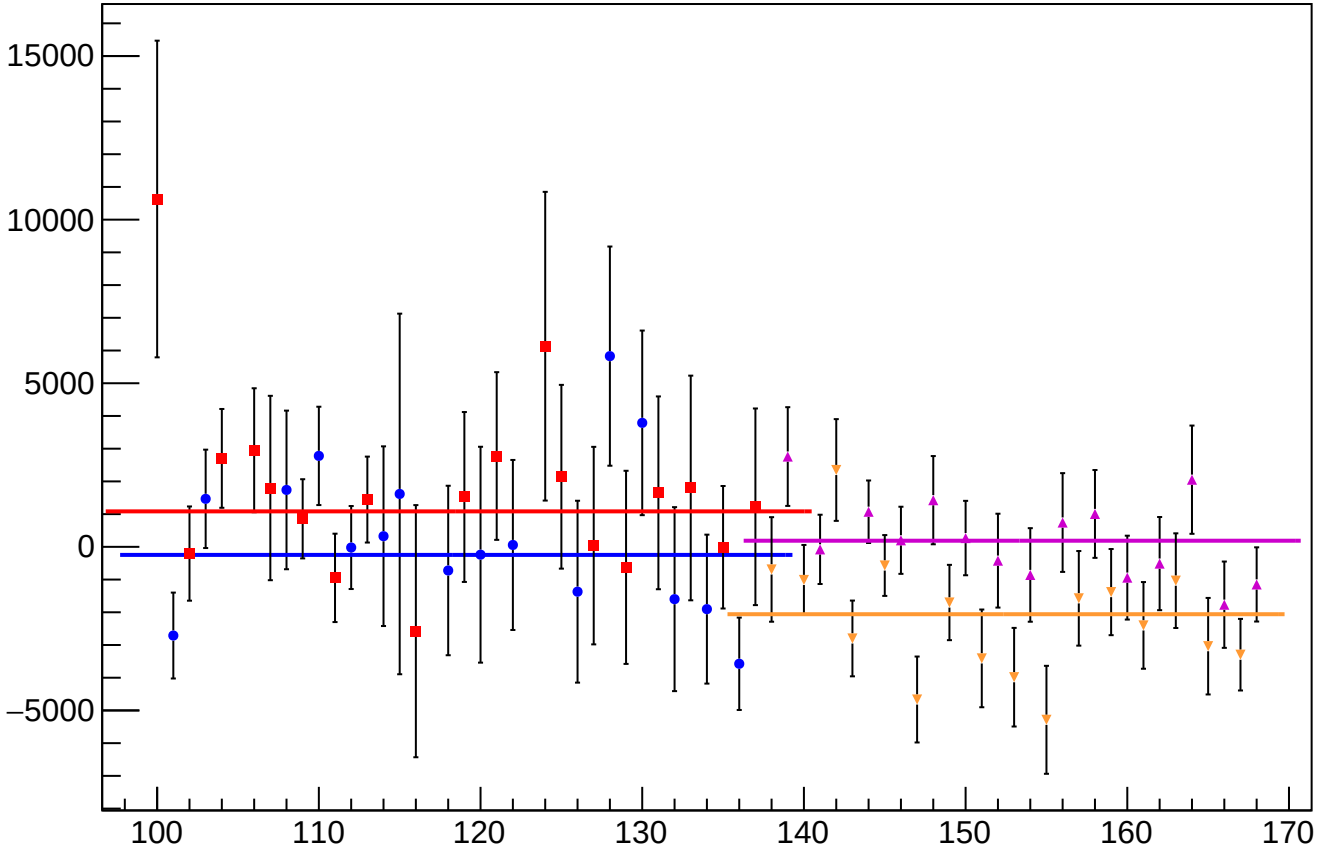
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.775+/-0.022 χ^2/NDF:681392.4/30

Out: 137.265+/-0.022 χ^2/NDF:782894.9/34

All: 137.516+/-0.016 χ^2/NDF: 1464553.4/65

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -2059.198+/-323.231 χ^2/NDF:25.7/15

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 187.150+/-324.593 χ^2/NDF:11.8/14

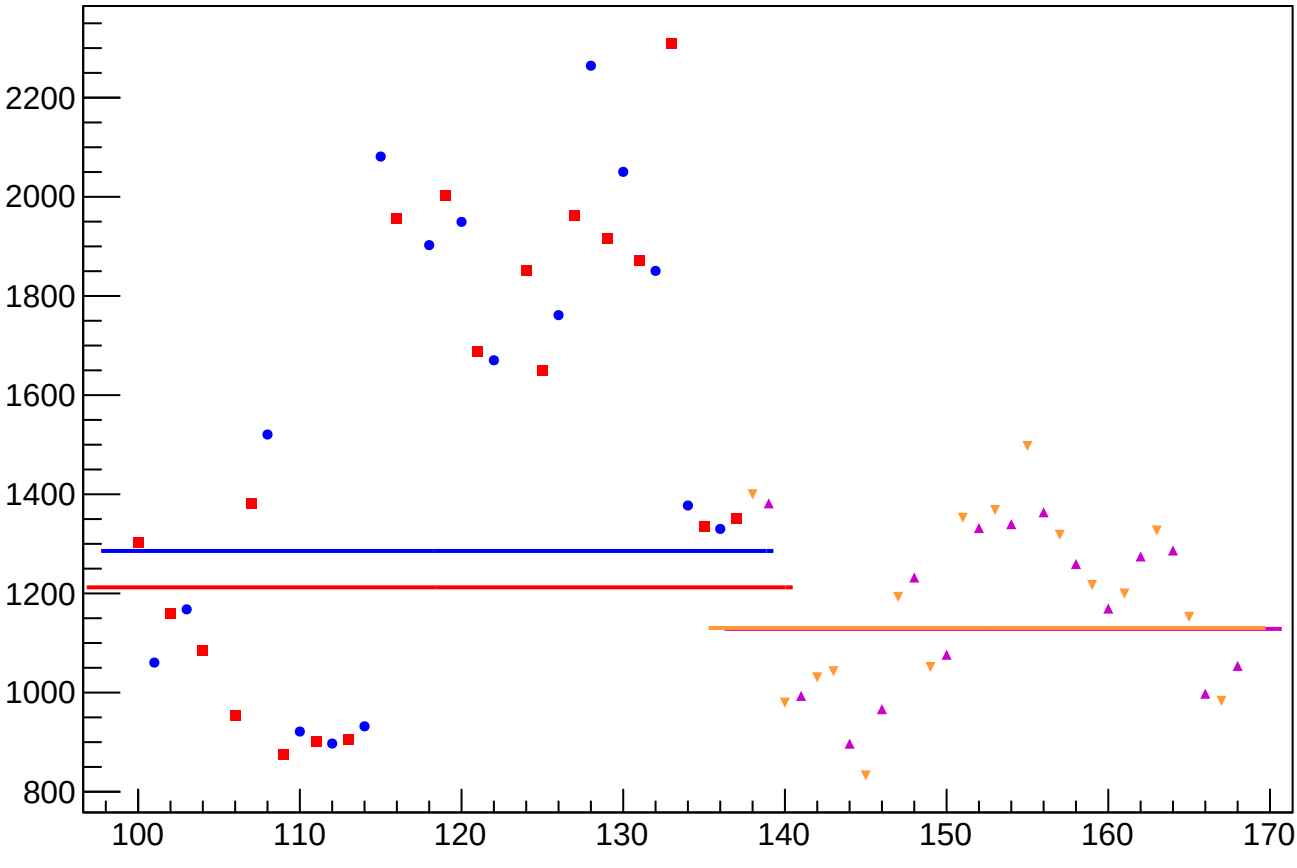
Left: -940.746+/-229.039 χ^2/NDF: 61.5/30

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 59.111+/-272.482 χ^2/NDF:33.9/30

Out: -1047.918+/-266.205 χ^2/NDF:68.9/34

All: -507.303+/-190.416 χ^2/NDF: 111.2/65



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1130.332+/-0.229 χ^2/NDF:649579.2/15

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1128.430+/-0.230 χ^2/NDF:493512.3/14

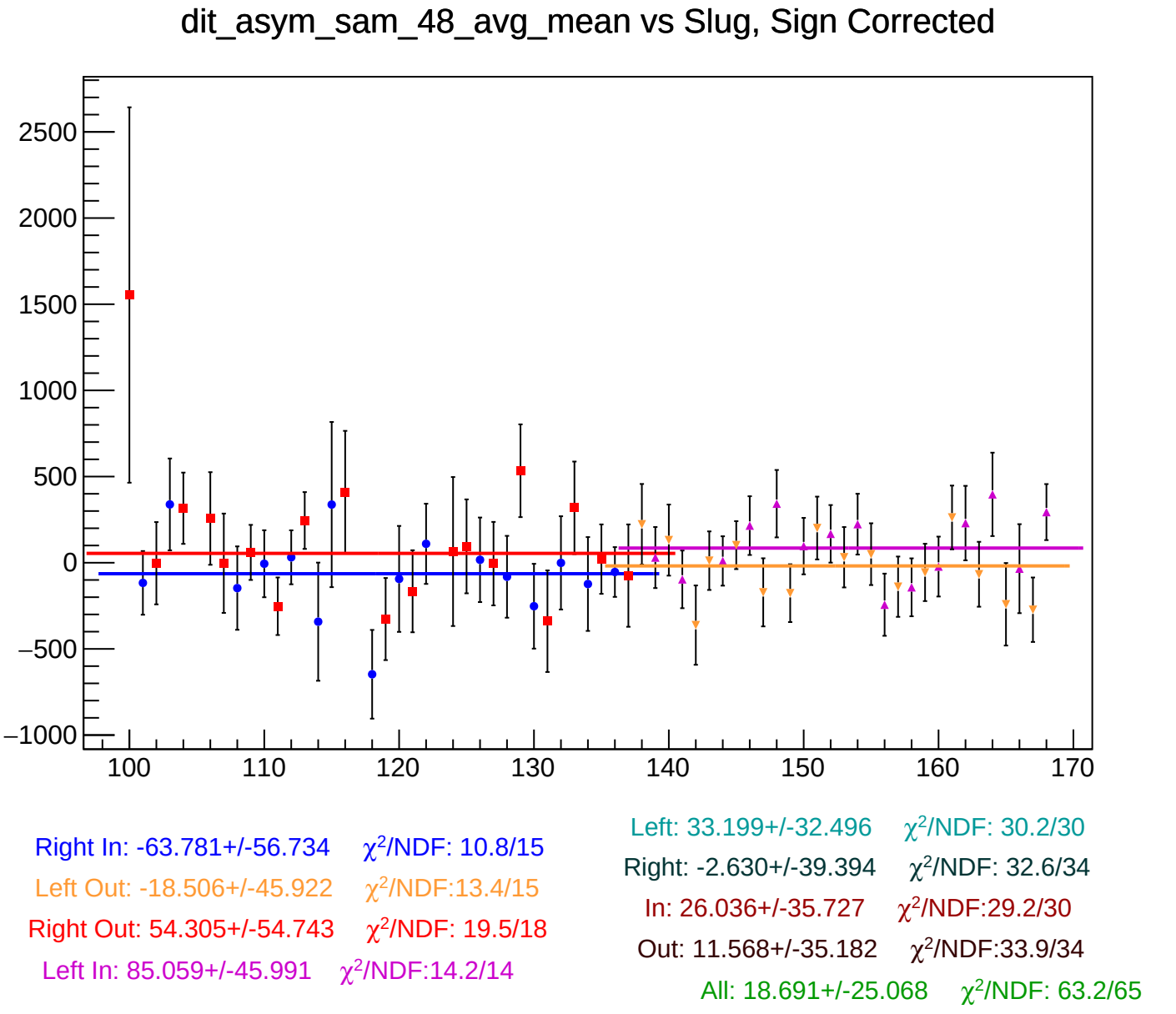
Left: 1129.385+/-0.162 χ^2/NDF: 1143126.0/30

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

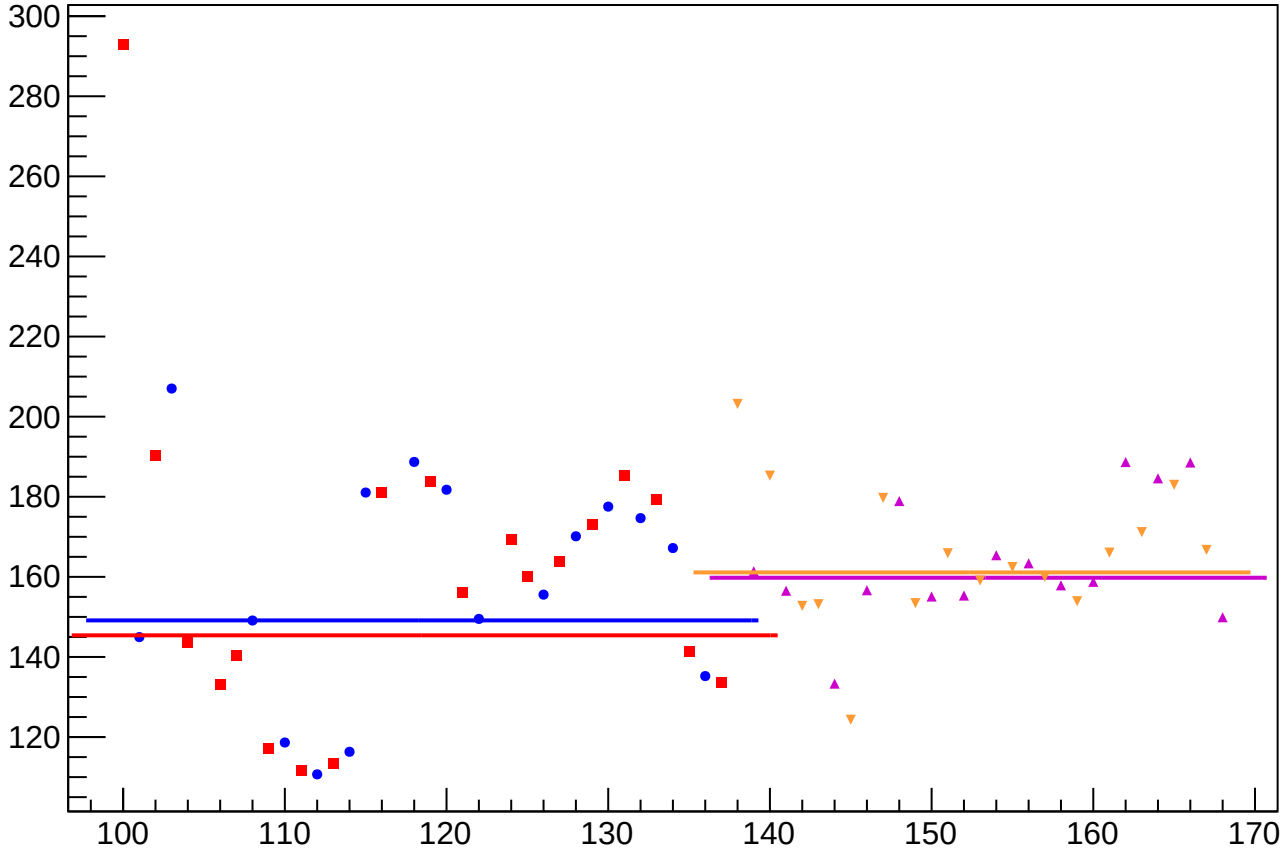
In: 1174.868+/-0.193 χ^2/NDF:1802542.6/30

Out: 1156.696+/-0.188 χ^2/NDF:2091568.8/34

All: 1165.570+/-0.135 χ^2/NDF: 3898662.8/65


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: -18.506+/-45.922 χ²/NDF:13.4/15
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 85.059+/-45.991 χ²/NDF:14.2/14
Left: 33.199+/-32.496 χ²/NDF: 30.2/30
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 26.036+/-35.727 χ²/NDF:29.2/30
Out: 11.568+/-35.182 χ²/NDF:33.9/34
All: 18.691+/-25.068 χ²/NDF: 63.2/65

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 161.111+/-0.032 χ^2/NDF:292177.4/15

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.779+/-0.033 χ^2/NDF:184087.1/14

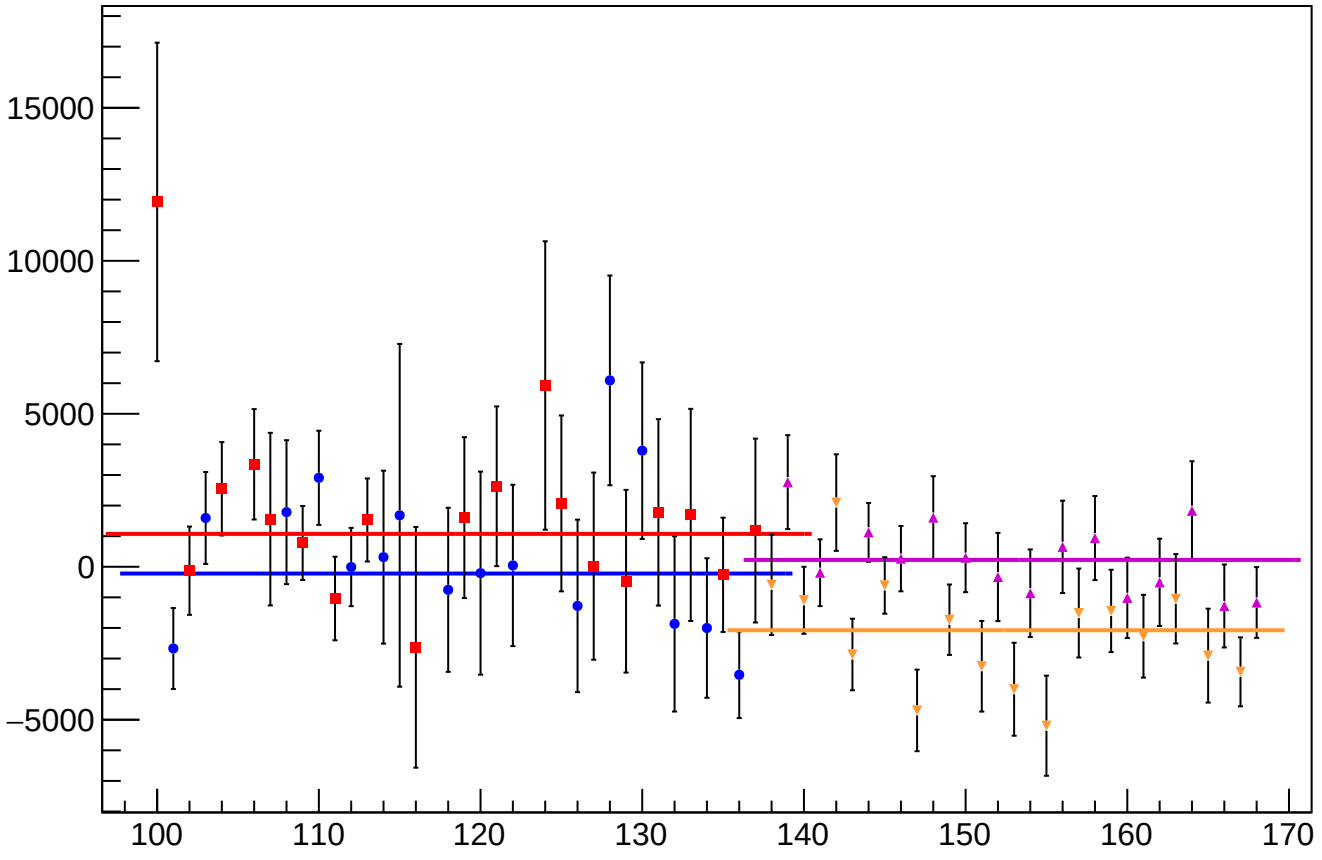
Left: 160.446+/-0.023 χ^2/NDF: 477104.5/30

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.556+/-0.025 χ^2/NDF:677608.3/30

Out: 154.621+/-0.025 χ^2/NDF:914697.4/34

All: 155.081+/-0.018 χ^2/NDF: 1593001.1/65



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -2074.669+/-327.110 χ^2/NDF:24.0/15

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 222.992+/-328.998 χ^2/NDF:10.7/14

Left: -932.449+/-231.966 χ^2/NDF: 59.3/30

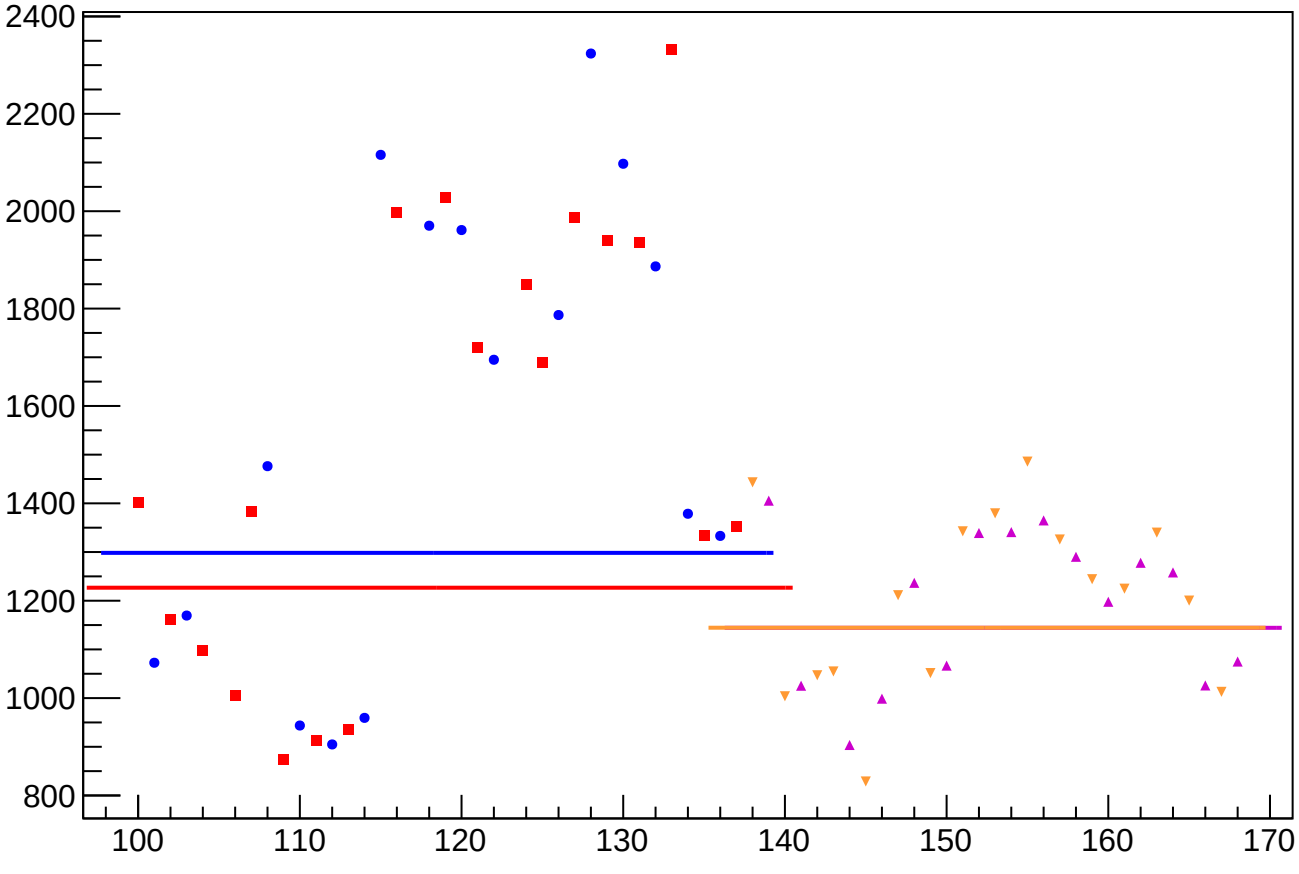
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 91.068+/-275.854 χ^2/NDF:33.1/30

Out: -1055.306+/-269.007 χ^2/NDF:67.7/34

All: -496.523+/-192.592 χ^2/NDF: 109.6/65

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1144.556+/-0.231 χ^2/NDF:656270.1/15

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1144.357+/-0.233 χ^2/NDF:455541.8/14

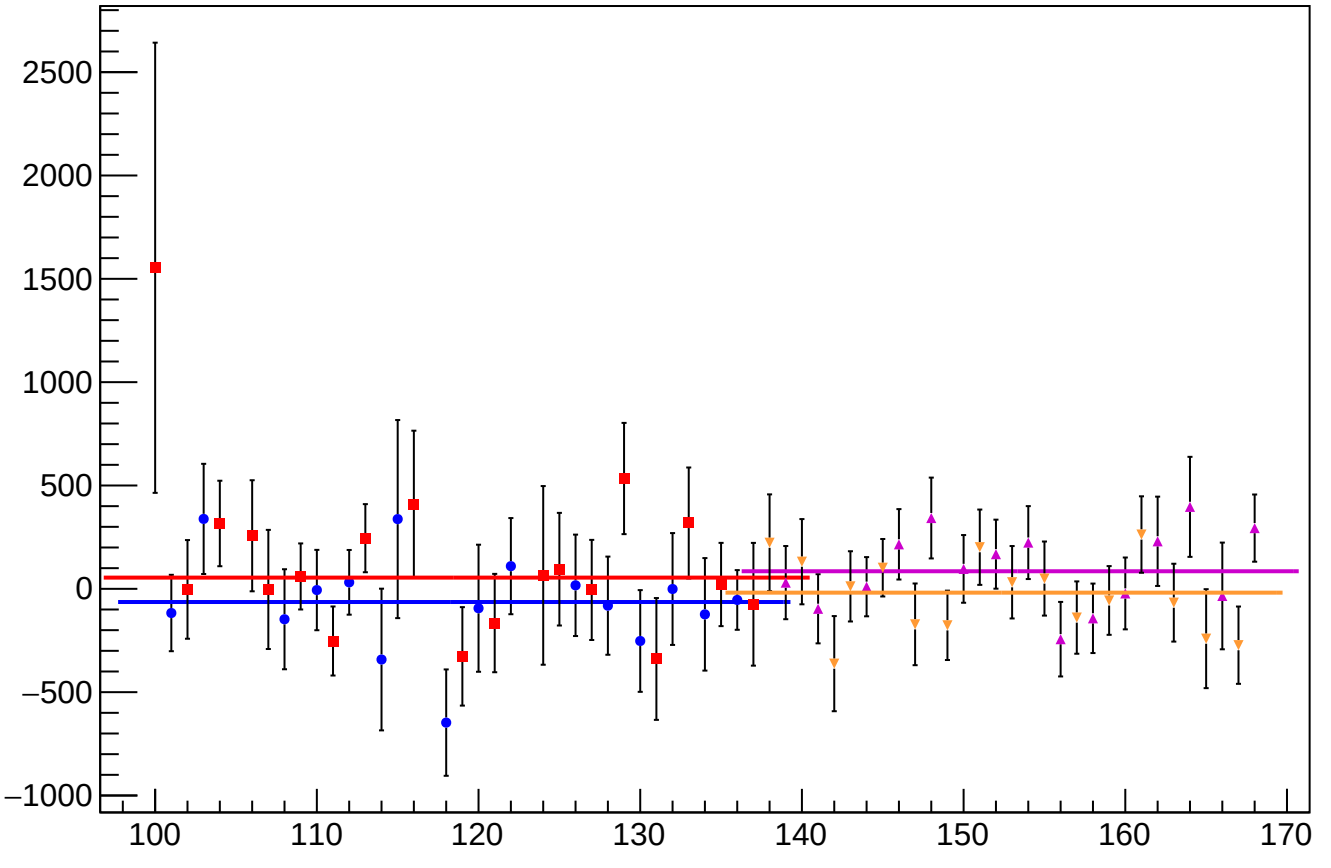
Left: 1144.457+/-0.164 χ^2/NDF: 1111812.2/30

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1190.072+/-0.195 χ^2/NDF:1767692.3/30

Out: 1171.155+/-0.190 χ^2/NDF:2101646.1/34

All: 1180.376+/-0.136 χ^2/NDF: 3874159.0/65



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -18.503+/-45.922 χ^2/NDF:13.4/15

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 85.059+/-45.991 χ^2/NDF:14.2/14

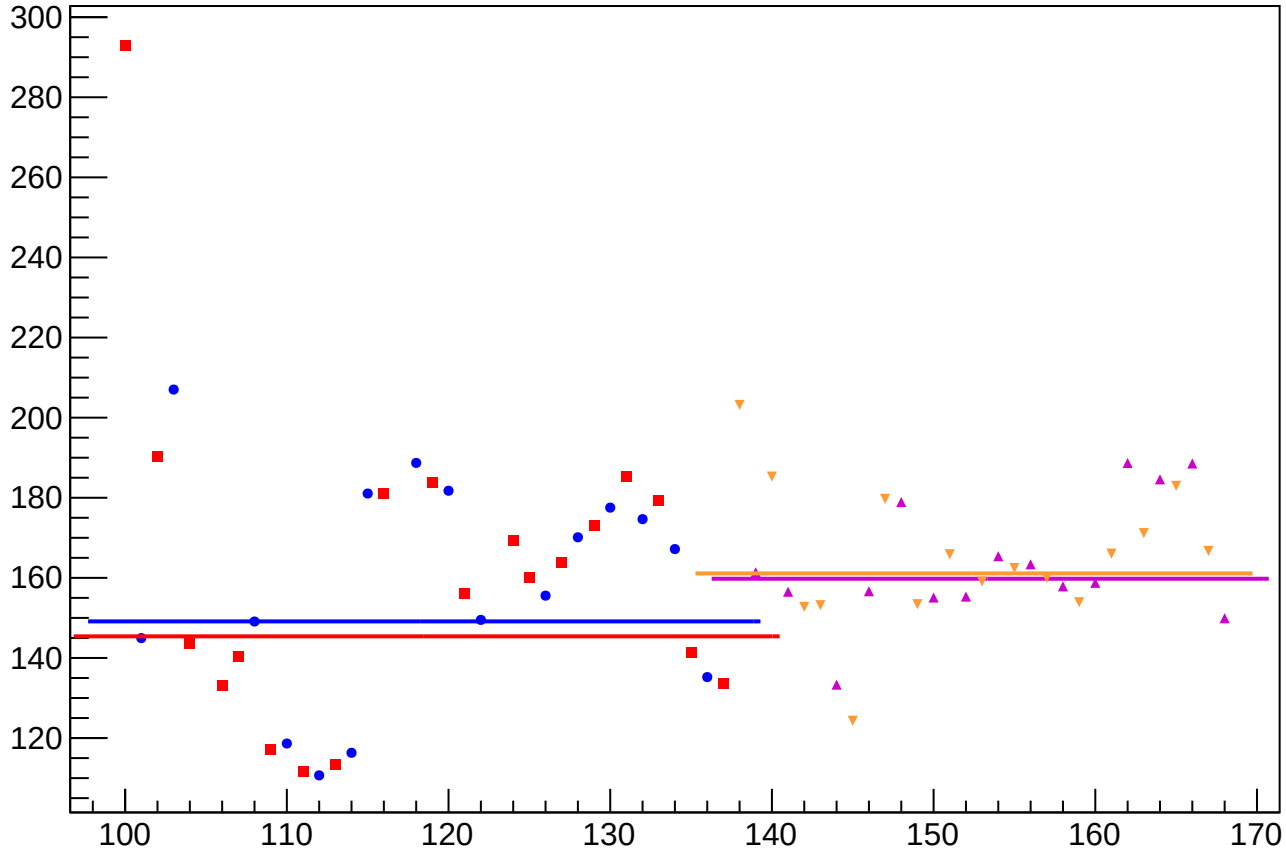
Left: 33.200+/-32.496 χ^2/NDF: 30.2/30

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

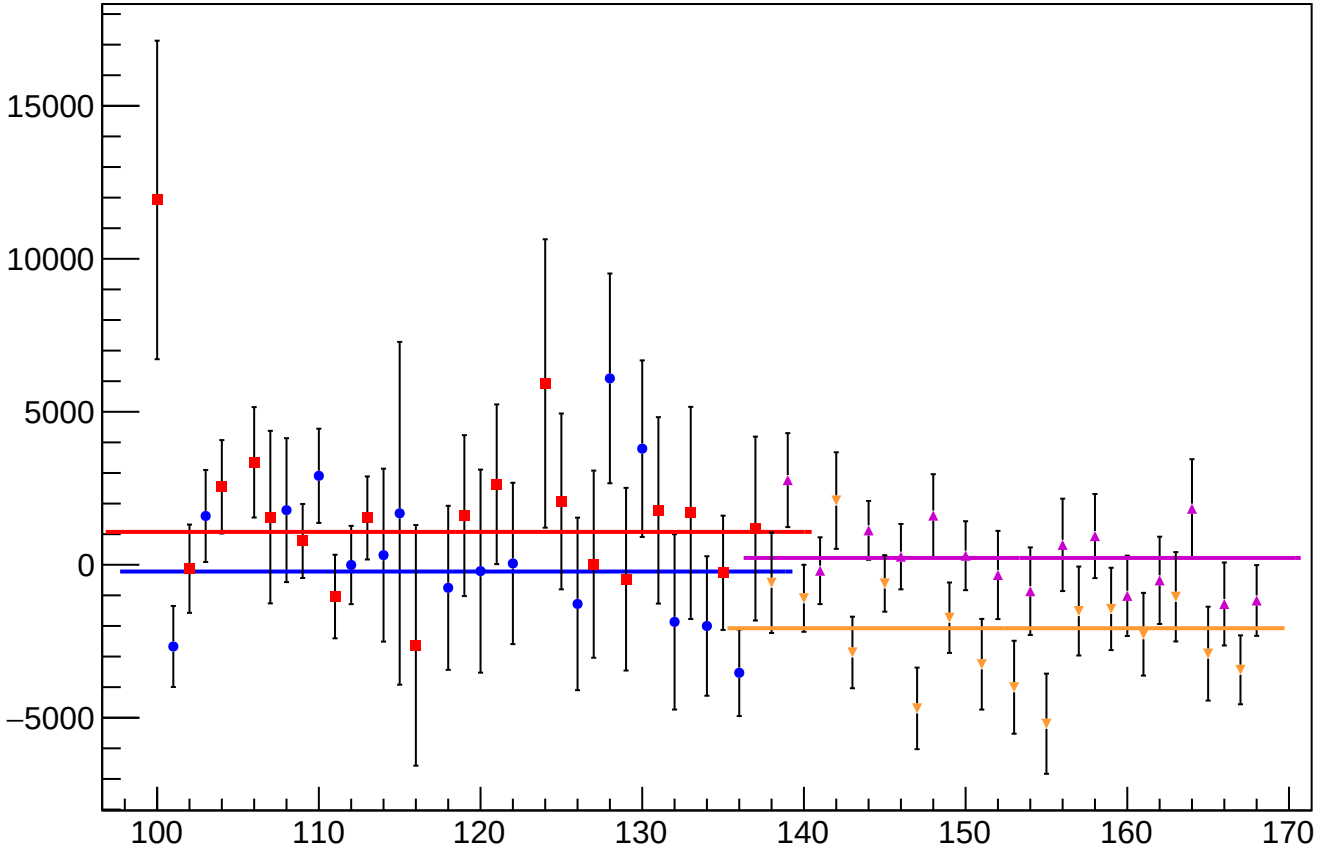
In: 26.037+/-35.727 χ^2/NDF:29.2/30

Out: 11.570+/-35.182 χ^2/NDF:33.9/34

All: 18.692+/-25.068 χ^2/NDF: 63.2/65


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
170
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 161.111+/-0.032 χ²/NDF:292171.6/15
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 159.779+/-0.033 χ²/NDF:184086.0/14
Left: 160.446+/-0.023 χ²/NDF: 477097.7/30
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 155.556+/-0.025 χ²/NDF:677611.0/30
Out: 154.621+/-0.025 χ²/NDF:914698.8/34
All: 155.082+/-0.018 χ²/NDF: 1593005.1/65

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -2074.664+/-327.109 χ^2/NDF:24.0/15

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 222.991+/-328.997 χ^2/NDF:10.7/14

Left: -932.448+/-231.966 χ^2/NDF: 59.3/30

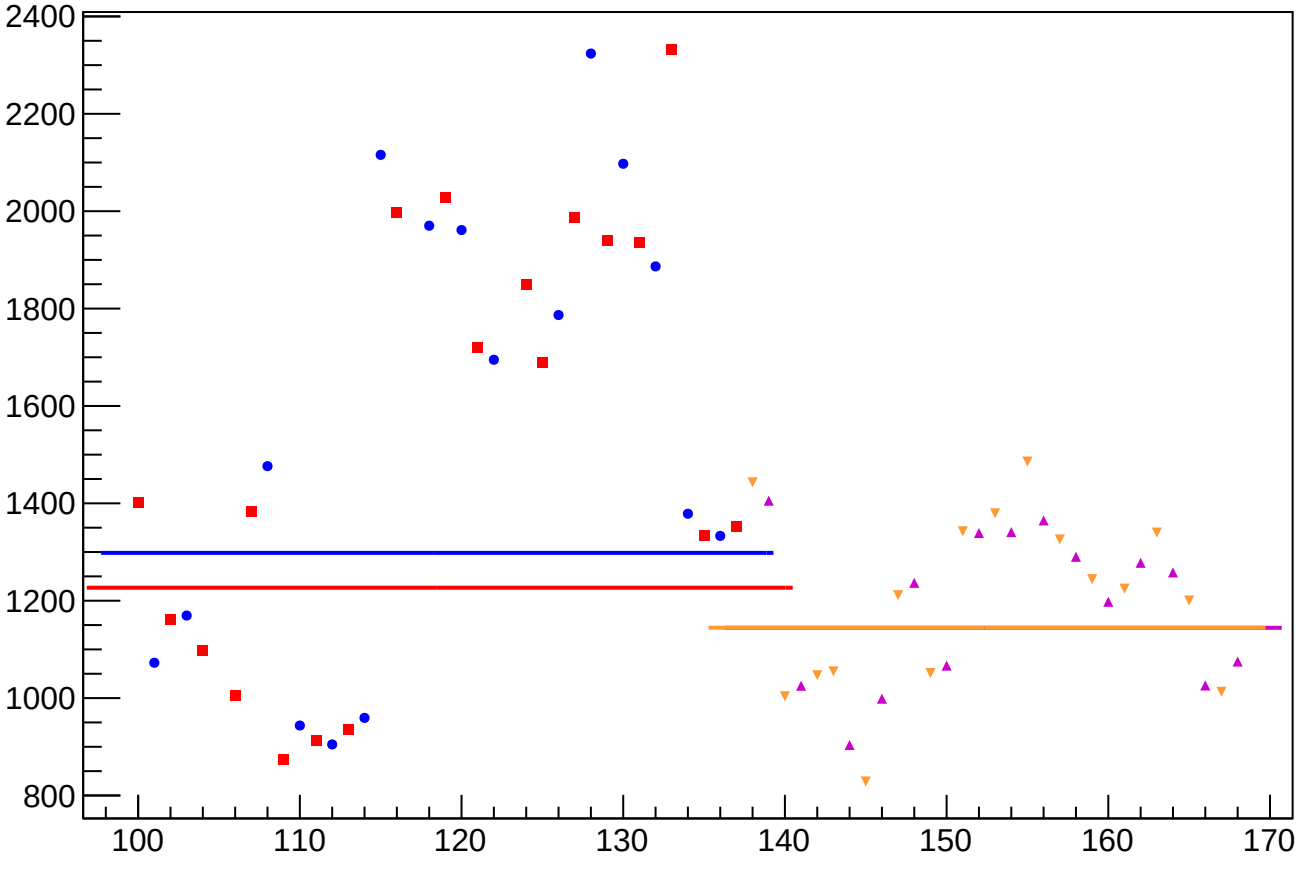
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 91.068+/-275.854 χ^2/NDF:33.1/30

Out: -1055.304+/-269.007 χ^2/NDF:67.7/34

All: -496.523+/-192.592 χ^2/NDF: 109.6/65

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: 1144.554+/-0.231 χ^2/NDF:656274.3/15

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1144.356+/-0.233 χ^2/NDF:455541.8/14

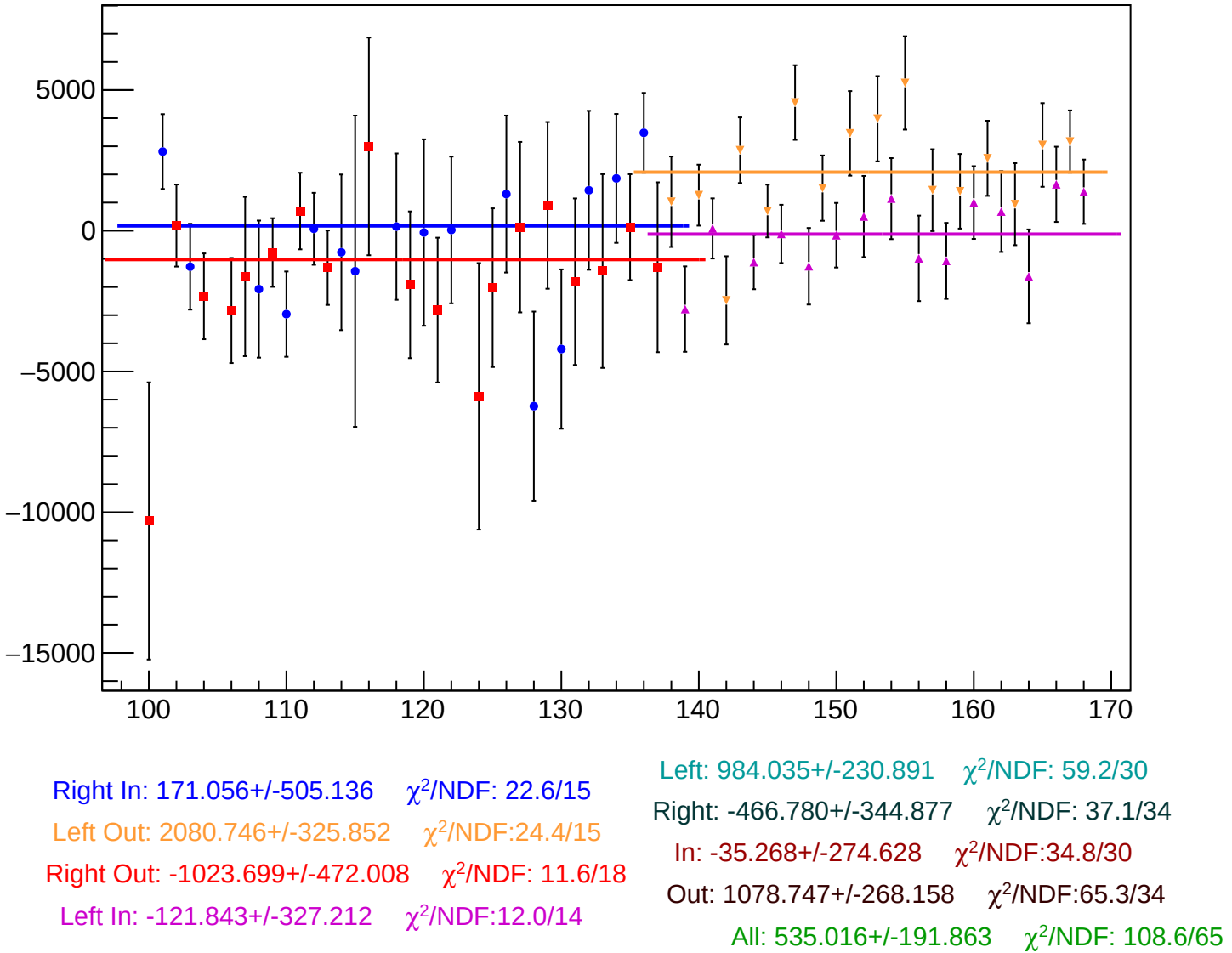
Left: 1144.456+/-0.164 χ^2/NDF: 1111816.5/30

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

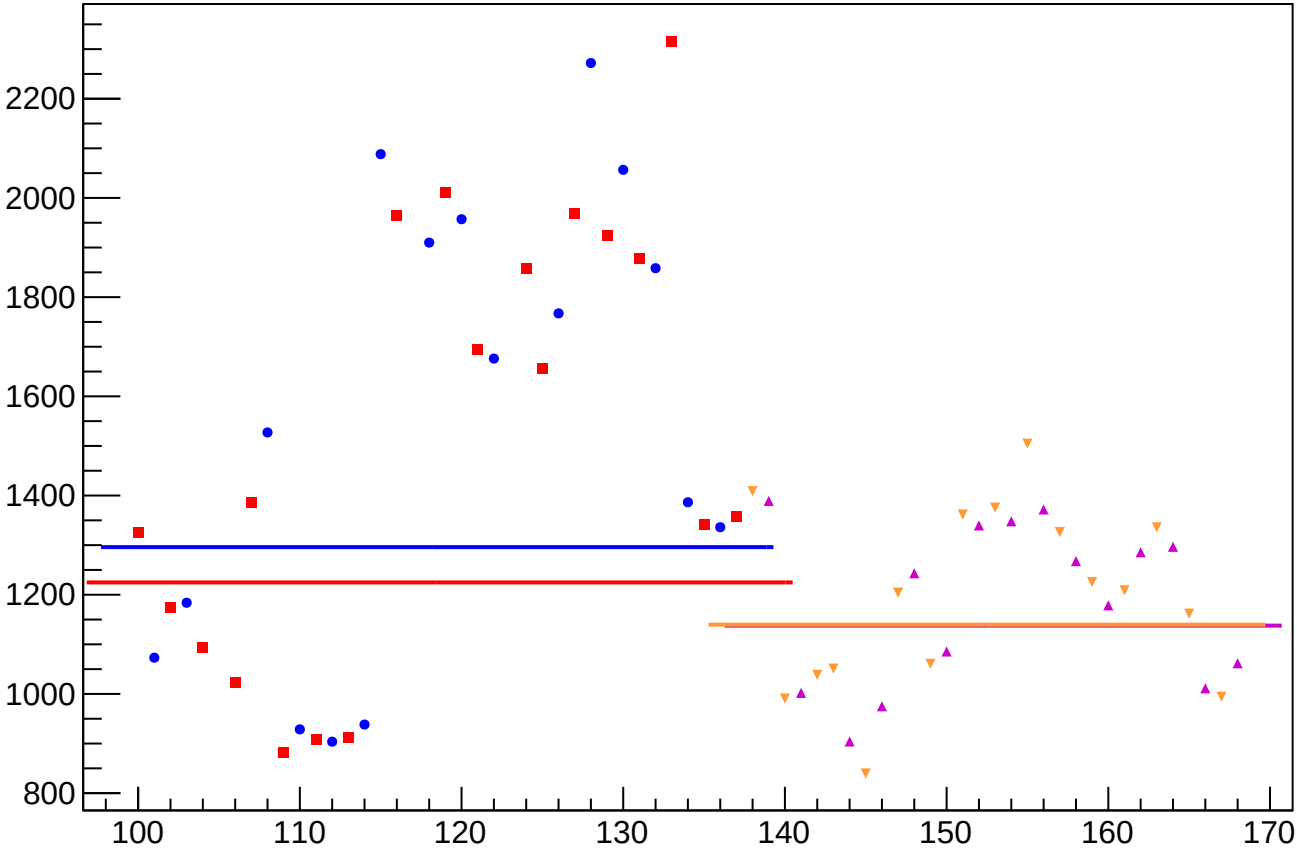
In: 1190.070+/-0.195 χ^2/NDF:1767697.1/30

Out: 1171.154+/-0.190 χ^2/NDF:2101653.7/34

All: 1180.374+/-0.136 χ^2/NDF: 3874171.5/65


asym_sam_48_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 171.056+/-505.136 χ²/NDF: 22.6/15
Left Out: 2080.746+/-325.852 χ²/NDF:24.4/15
Right Out: -1023.699+/-472.008 χ²/NDF: 11.6/18
Left In: -121.843+/-327.212 χ²/NDF:12.0/14
Left: 984.035+/-230.891 χ²/NDF: 59.2/30
Right: -466.780+/-344.877 χ²/NDF: 37.1/34
In: -35.268+/-274.628 χ²/NDF:34.8/30
Out: 1078.747+/-268.158 χ²/NDF:65.3/34
All: 535.016+/-191.863 χ²/NDF: 108.6/65

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1139.781+/-0.230 χ^2/NDF:639811.7/15

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1137.738+/-0.231 χ^2/NDF:486611.1/14

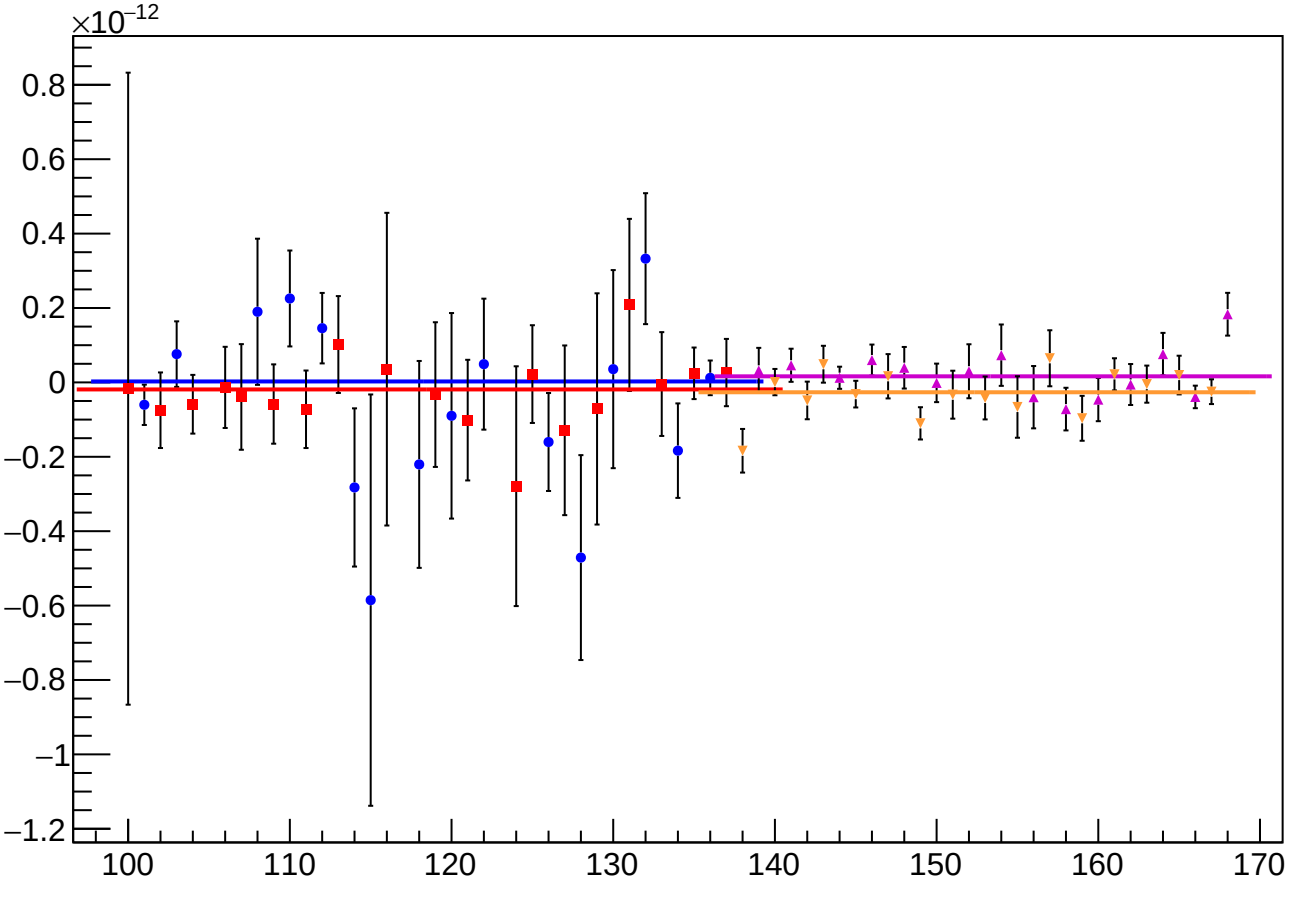
Left: 1138.764+/-0.163 χ^2/NDF: 1126461.9/30

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1184.513+/-0.194 χ^2/NDF:1779066.2/30

Out: 1167.245+/-0.190 χ^2/NDF:2055116.1/34

All: 1175.673+/-0.136 χ^2/NDF: 3838230.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/14

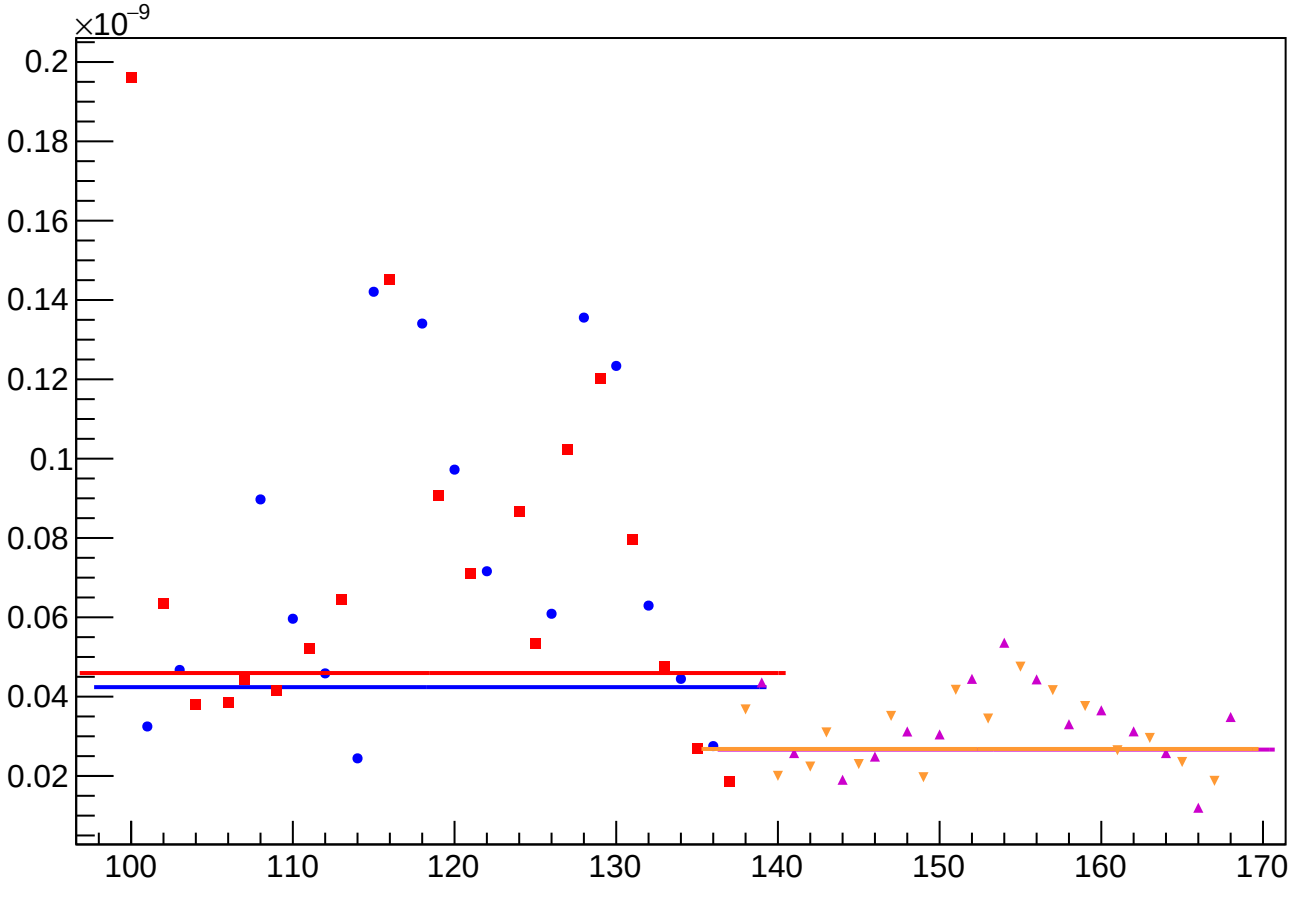
Left: -0.000+/-0.000 χ^2/NDF: 45.3/30

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:41.8/30

Out: -0.000+/-0.000 χ^2/NDF:24.7/34

All: -0.000+/-0.000 χ^2/NDF: 72.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:817852.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1344685.5/14

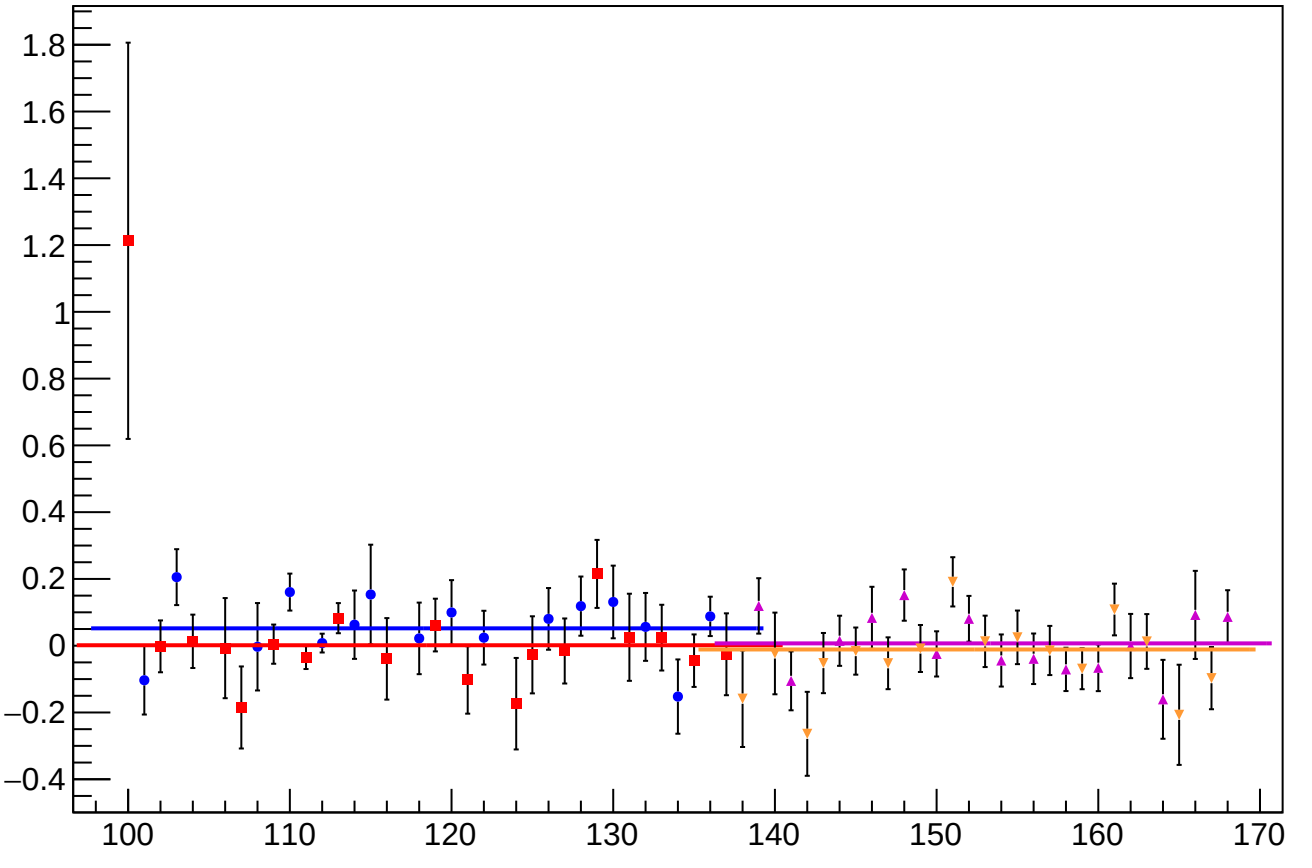
Left: 0.000+/-0.000 χ^2/NDF: 2162703.6/30

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3250237.4/30

Out: 0.000+/-0.000 χ^2/NDF:2684008.5/34

All: 0.000+/-0.000 χ^2/NDF: 5934466.1/65



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.021 χ^2/NDF:15.8/14

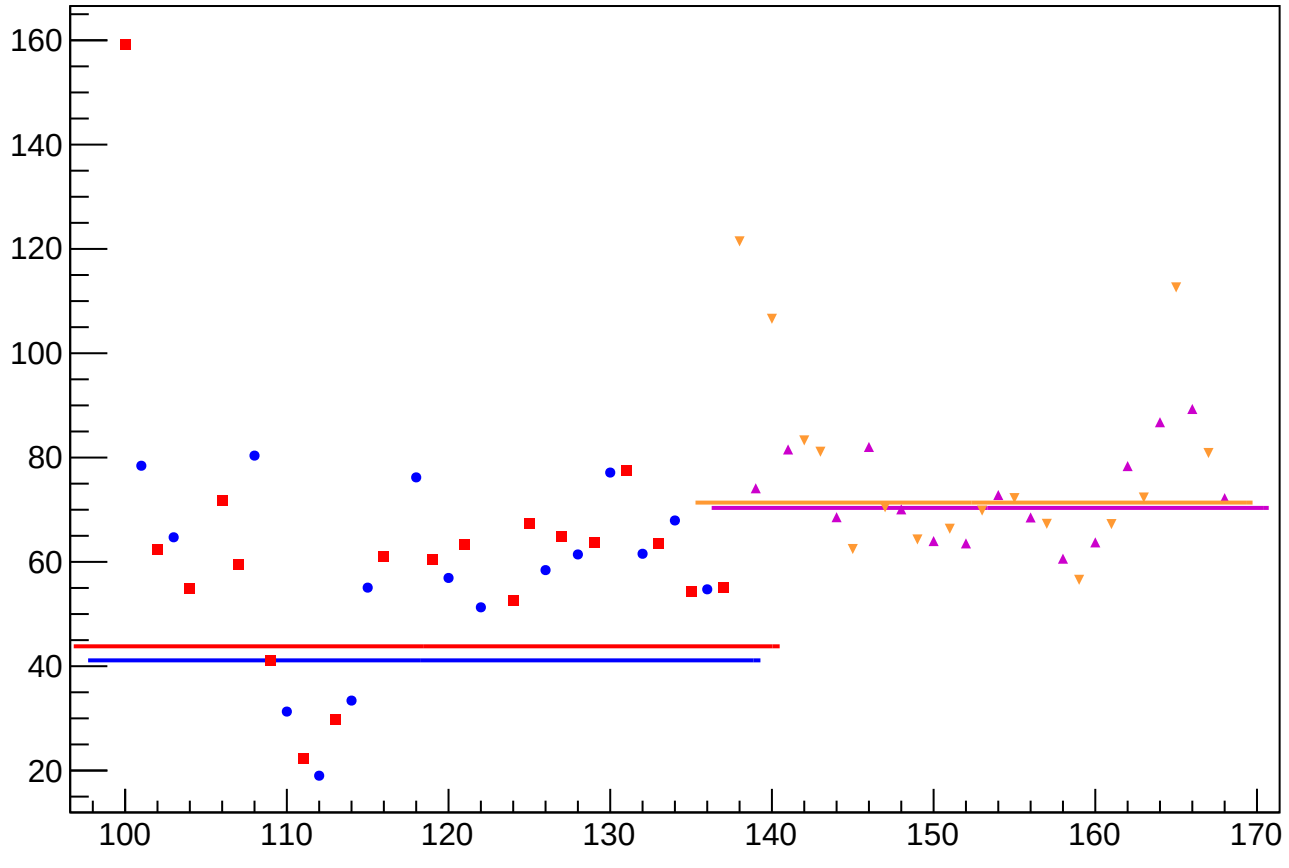
Left: -0.002+/-0.015 χ^2/NDF: 35.5/30

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:36.5/30

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.015+/-0.010 χ^2/NDF: 79.0/65



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.368+/-0.015 χ^2/NDF:809842.1/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.348+/-0.015 χ^2/NDF:267457.8/14

Left: 70.854+/-0.010 χ^2/NDF: 1079714.3/30

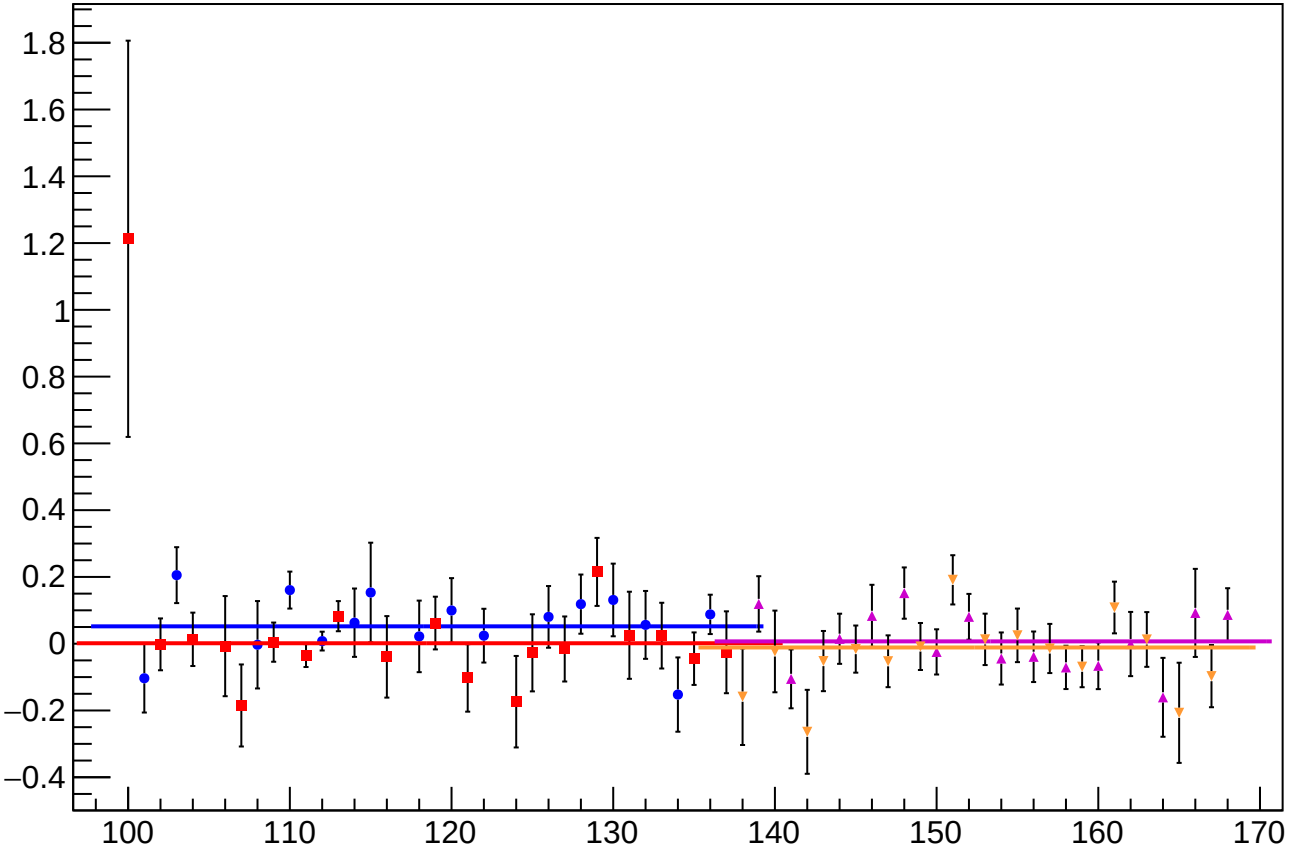
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.547+/-0.010 χ^2/NDF:5492631.6/30

Out: 55.530+/-0.010 χ^2/NDF:4867346.0/34

All: 54.530+/-0.007 χ^2/NDF: 10381461.3/65

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.021 χ^2/NDF:15.8/14

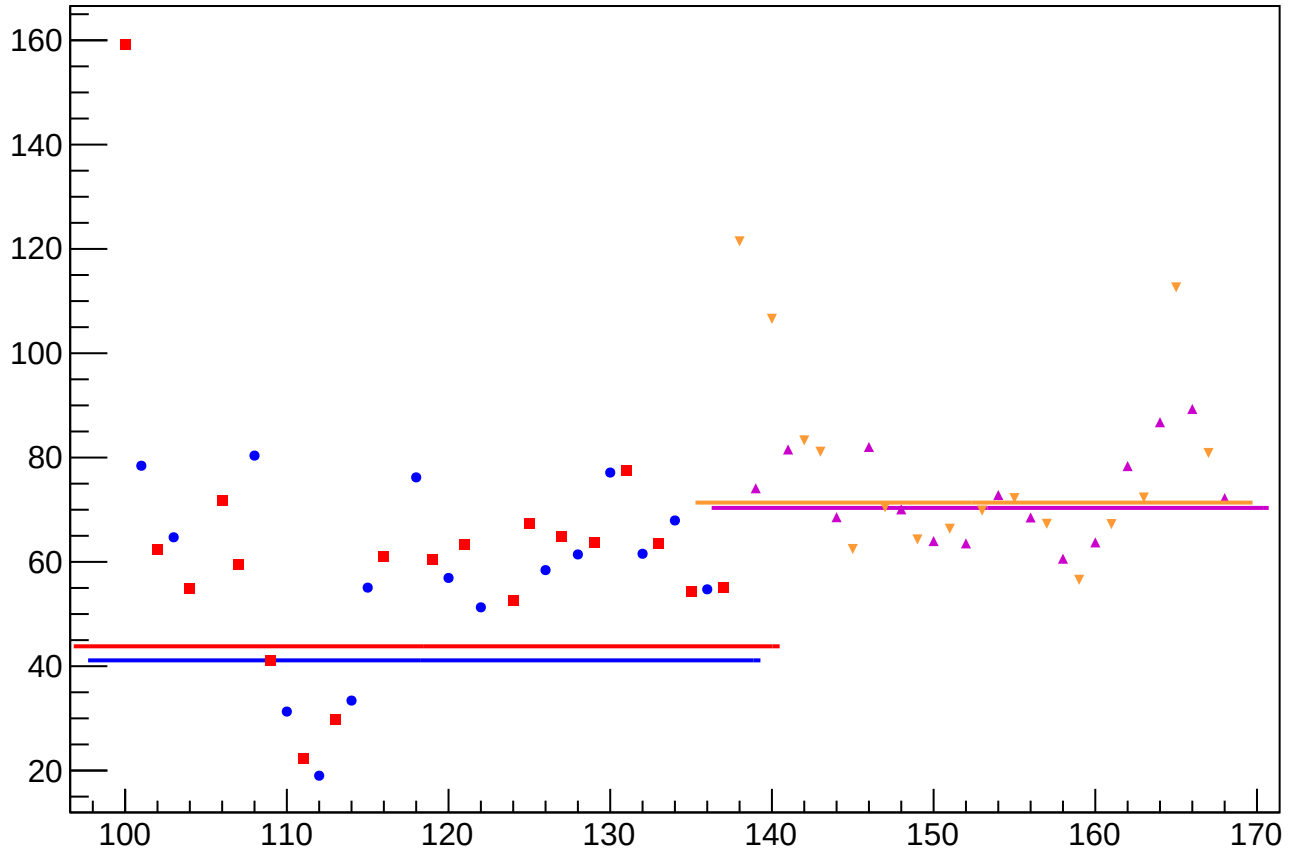
Left: -0.002+/-0.015 χ^2/NDF: 35.5/30

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:36.5/30

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.015+/-0.010 χ^2/NDF: 79.0/65



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.368+/-0.015 χ^2/NDF:809842.1/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.348+/-0.015 χ^2/NDF:267457.8/14

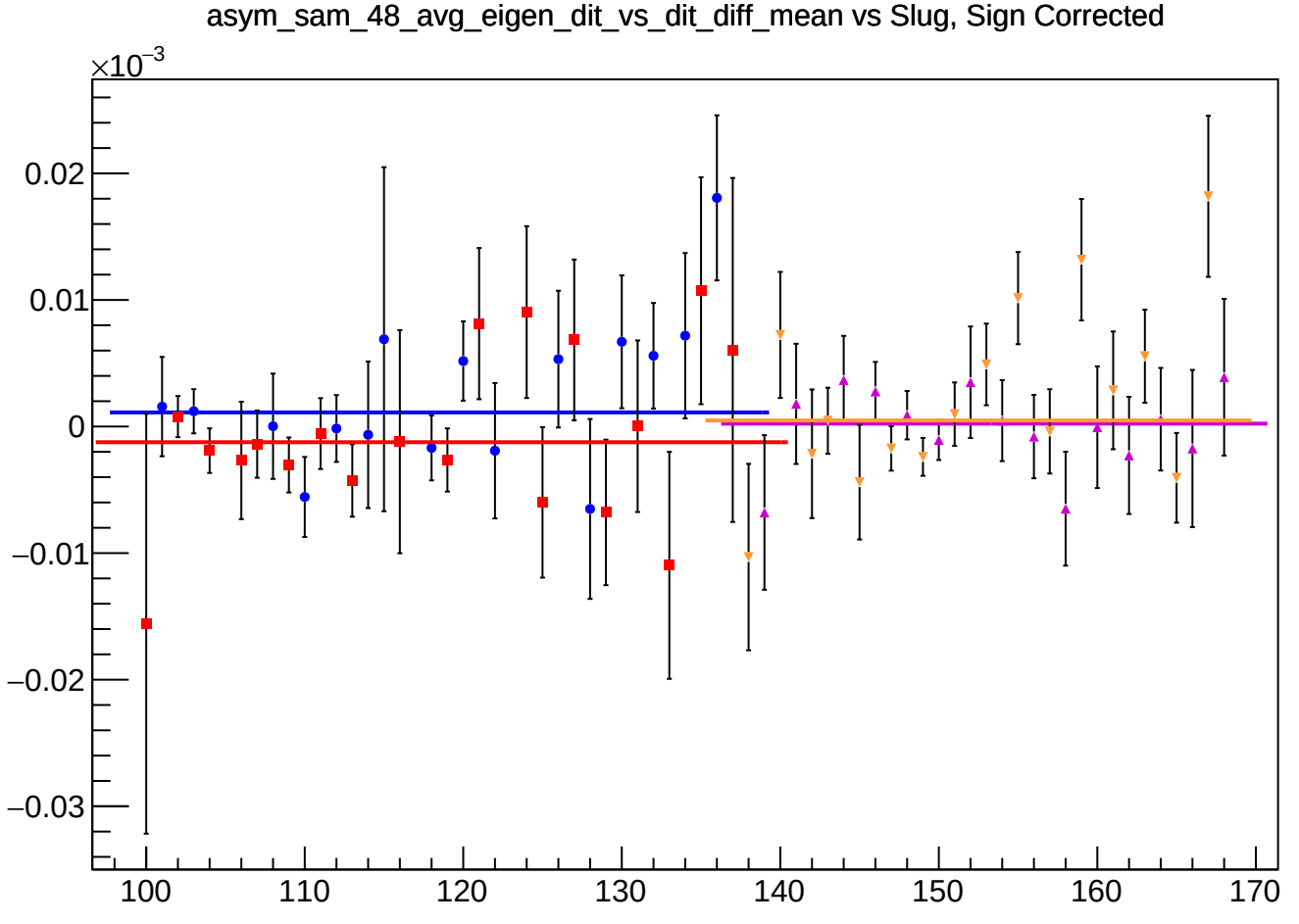
Left: 70.854+/-0.010 χ^2/NDF: 1079714.3/30

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.547+/-0.010 χ^2/NDF:5492631.6/30

Out: 55.530+/-0.010 χ^2/NDF:4867346.0/34

All: 54.530+/-0.007 χ^2/NDF: 10381461.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/14

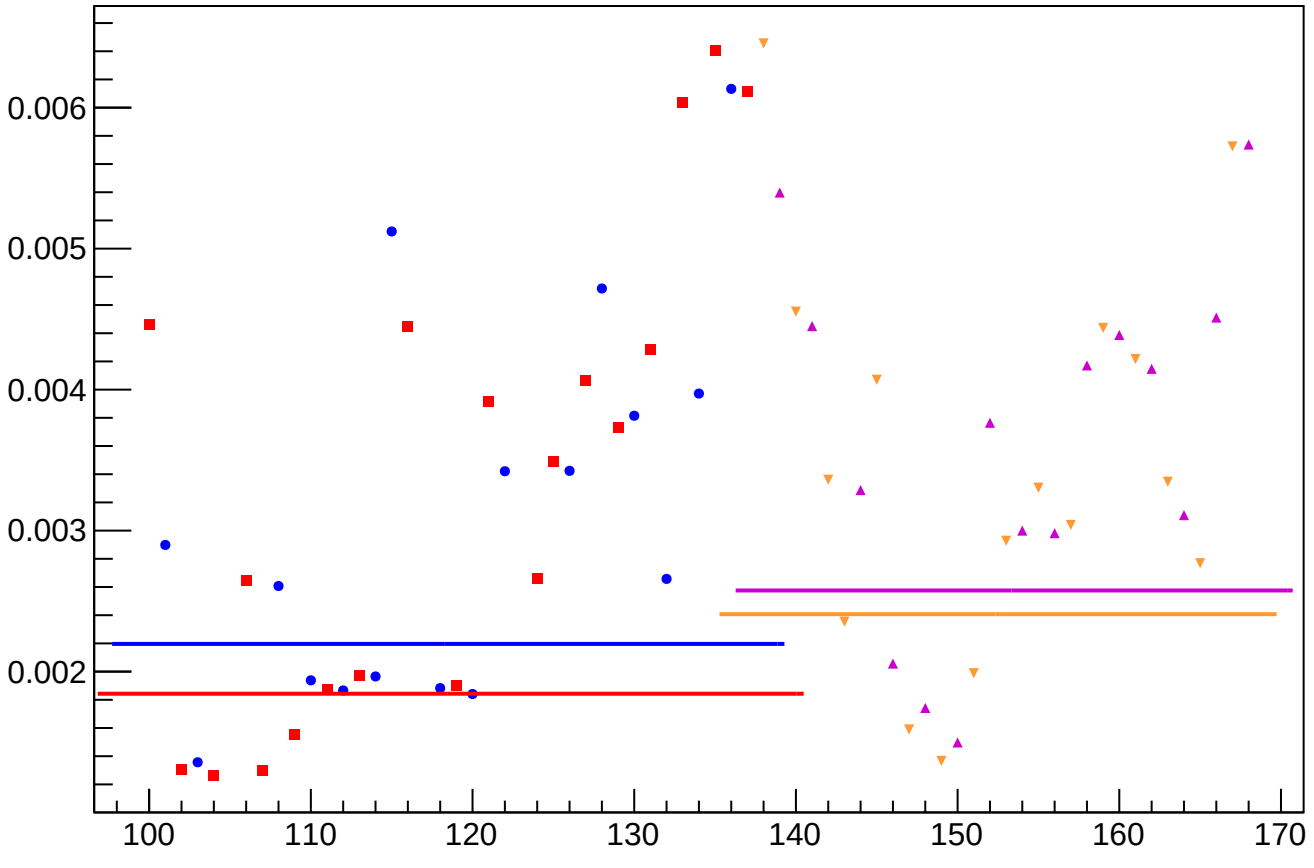
Left: 0.000+/-0.000 χ^2/NDF: 46.4/30

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.5/30

Out: -0.000+/-0.000 χ^2/NDF:56.8/34

All: 0.000+/-0.000 χ^2/NDF: 86.7/65



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4377823.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:3959127.1/14

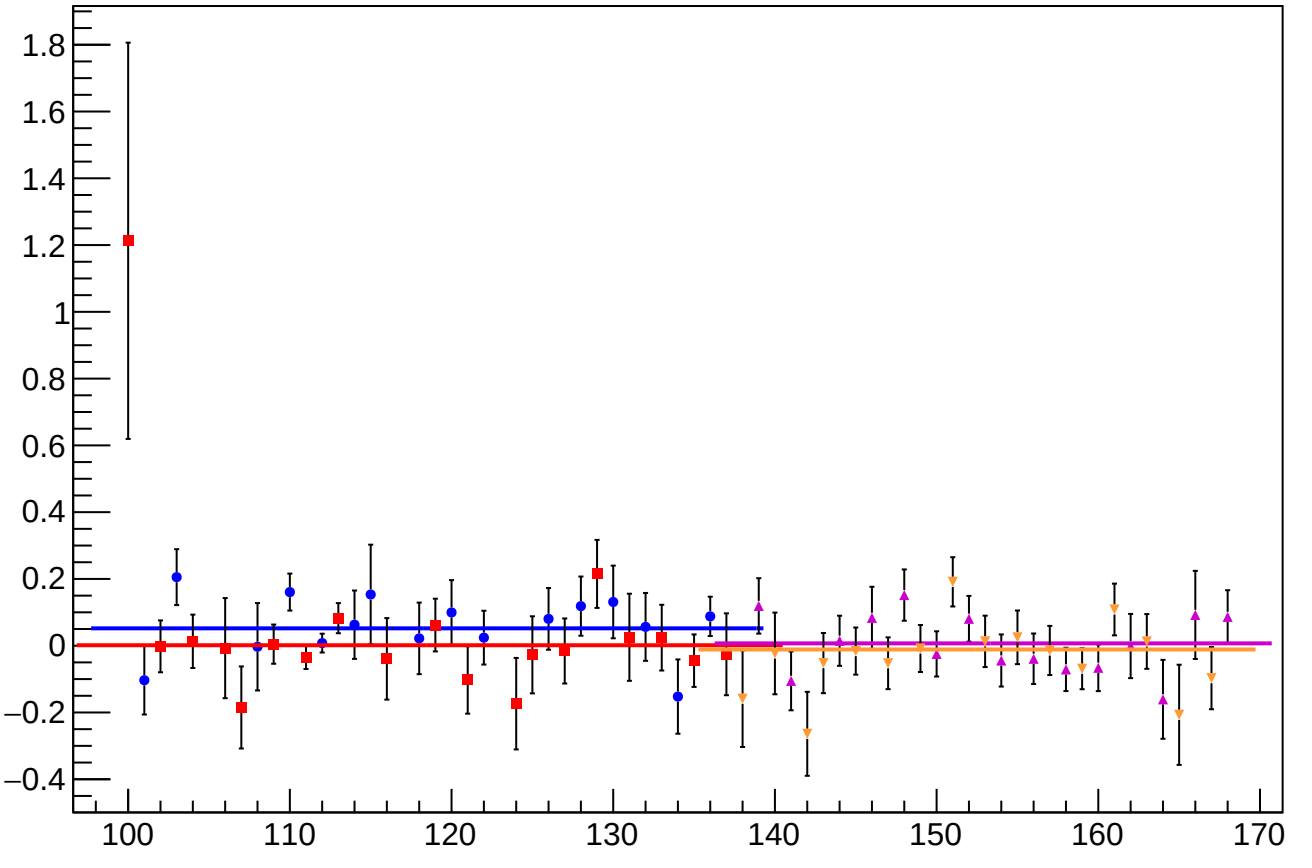
Left: 0.002+/-0.000 χ^2/NDF: 8382704.4/30

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:6444943.2/30

Out: 0.002+/-0.000 χ^2/NDF:8067396.9/34

All: 0.002+/-0.000 χ^2/NDF: 14747034.2/65



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.021 χ^2/NDF:15.8/14

Left: -0.002+/-0.015 χ^2/NDF: 35.5/30

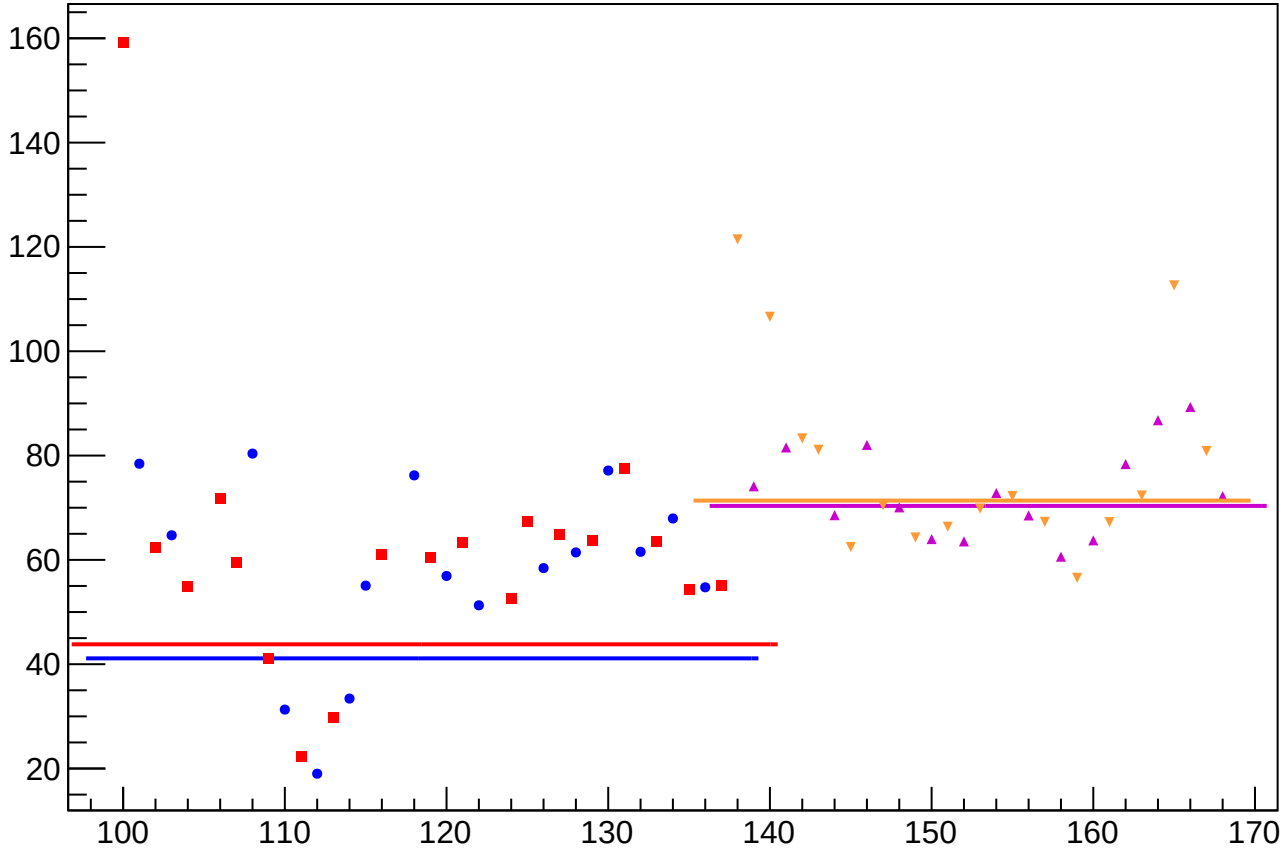
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:36.5/30

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.015+/-0.010 χ^2/NDF: 79.0/65

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF:809816.9/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.349+/-0.015 χ^2/NDF:267452.8/14

Left: 70.854+/-0.010 χ^2/NDF: 1079684.6/30

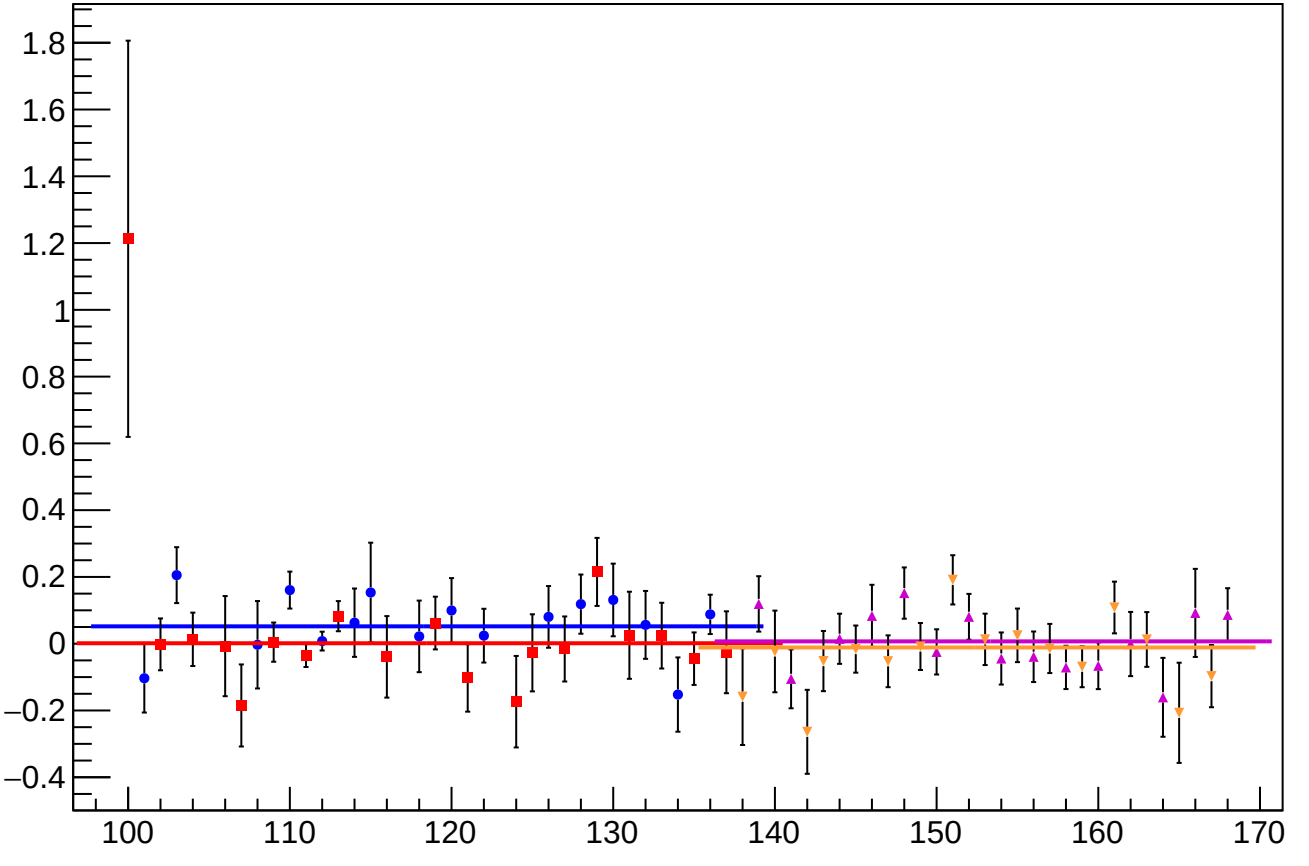
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.546+/-0.010 χ^2/NDF:5493038.3/30

Out: 55.530+/-0.010 χ^2/NDF:4867731.0/34

All: 54.529+/-0.007 χ^2/NDF: 10382254.8/65

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: -0.011+/-0.021 χ^2/NDF:19.3/15

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.021 χ^2/NDF:15.8/14

Left: -0.002+/-0.015 χ^2/NDF: 35.5/30

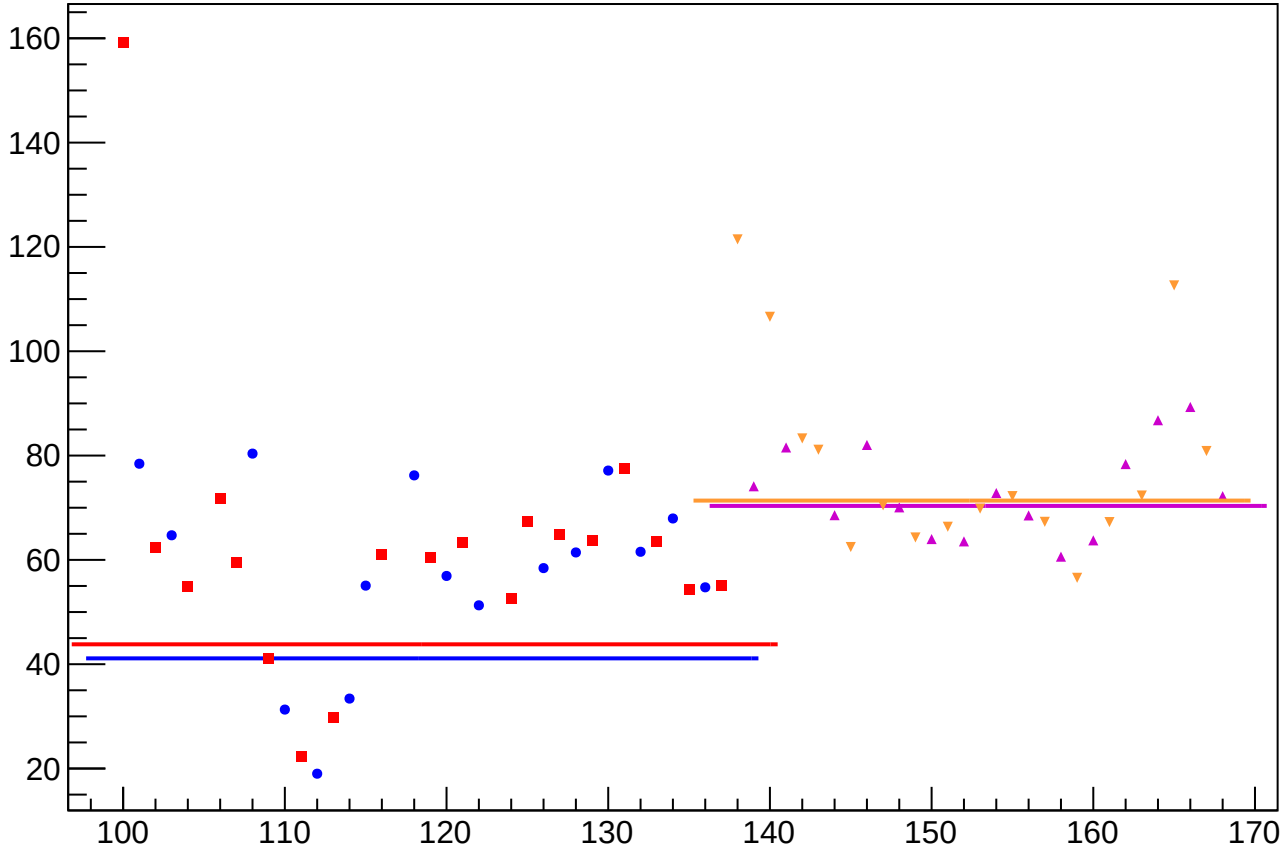
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:36.5/30

Out: -0.004+/-0.014 χ^2/NDF:38.8/34

All: 0.015+/-0.010 χ^2/NDF: 79.0/65

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.369+/-0.015 χ^2/NDF:809816.9/15

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.349+/-0.015 χ^2/NDF:267452.8/14

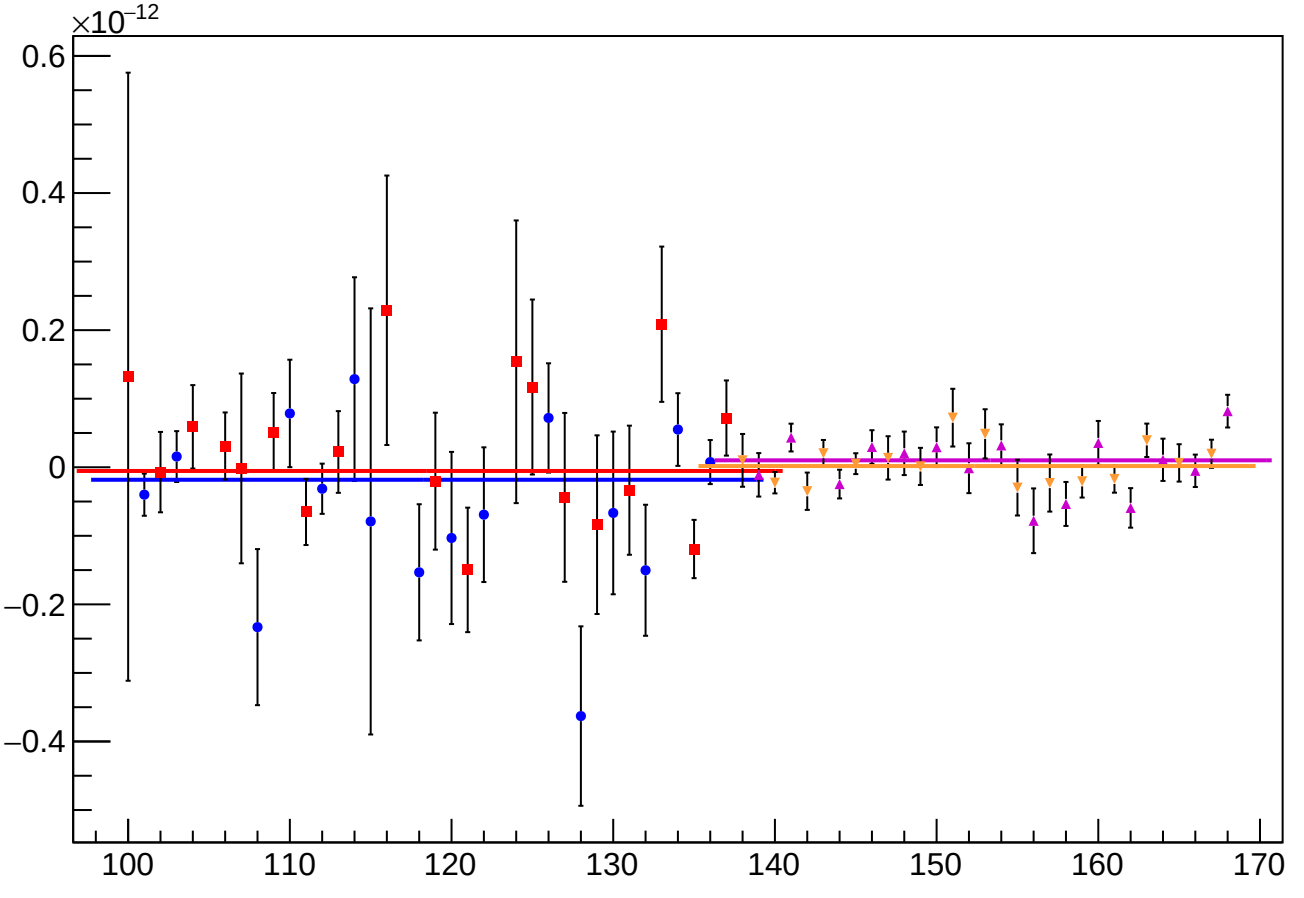
Left: 70.854+/-0.010 χ^2/NDF: 1079684.6/30

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.546+/-0.010 χ^2/NDF:5493038.3/30

Out: 55.530+/-0.010 χ^2/NDF:4867731.0/34

All: 54.529+/-0.007 χ^2/NDF: 10382254.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:31.0/14

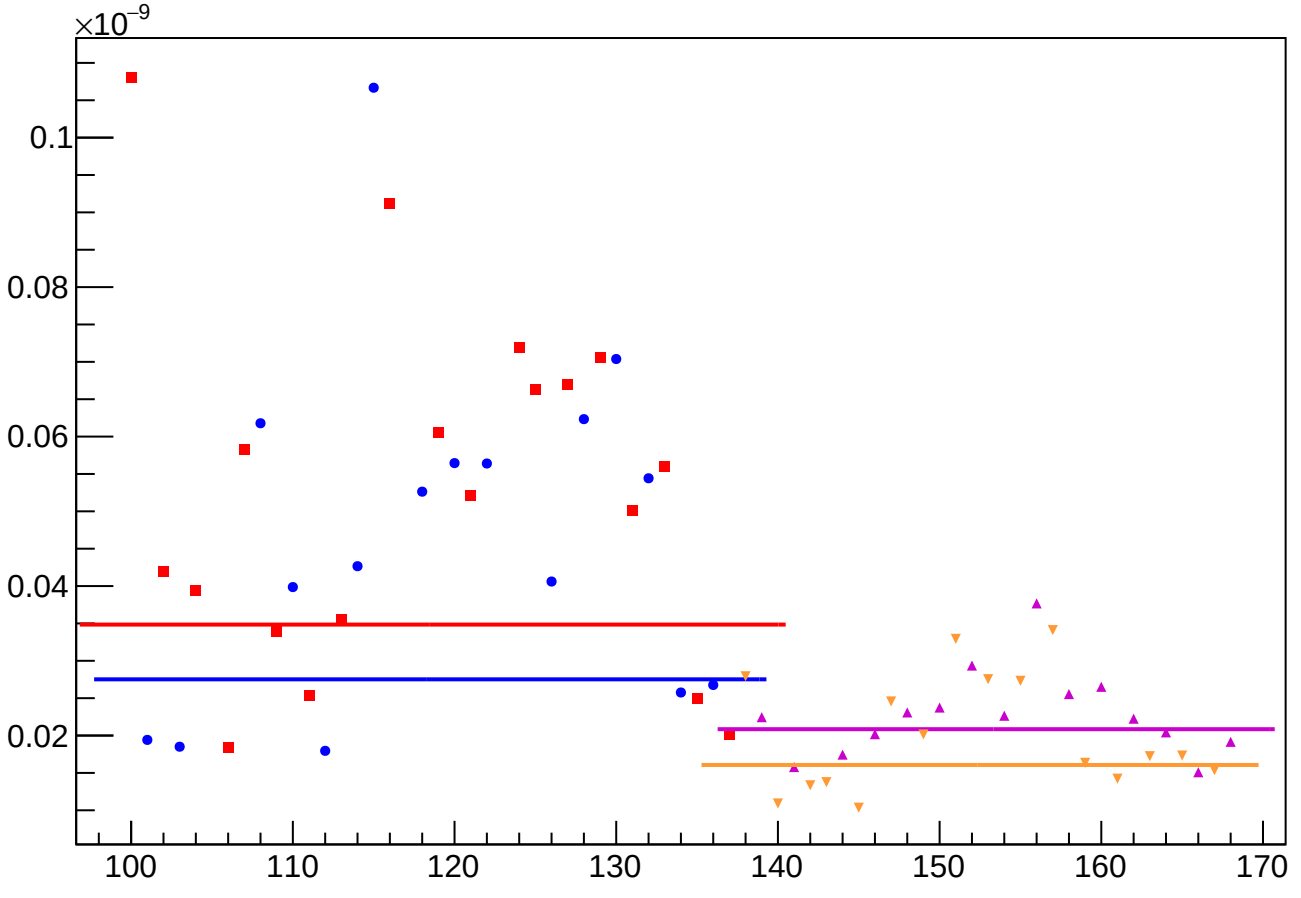
Left: 0.000+/-0.000 χ^2/NDF: 47.6/30

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:57.1/30

Out: 0.000+/-0.000 χ^2/NDF:39.3/34

All: 0.000+/-0.000 χ^2/NDF: 96.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2012038.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:824858.0/14

Left: 0.000+/-0.000 χ^2/NDF: 3362791.9/30

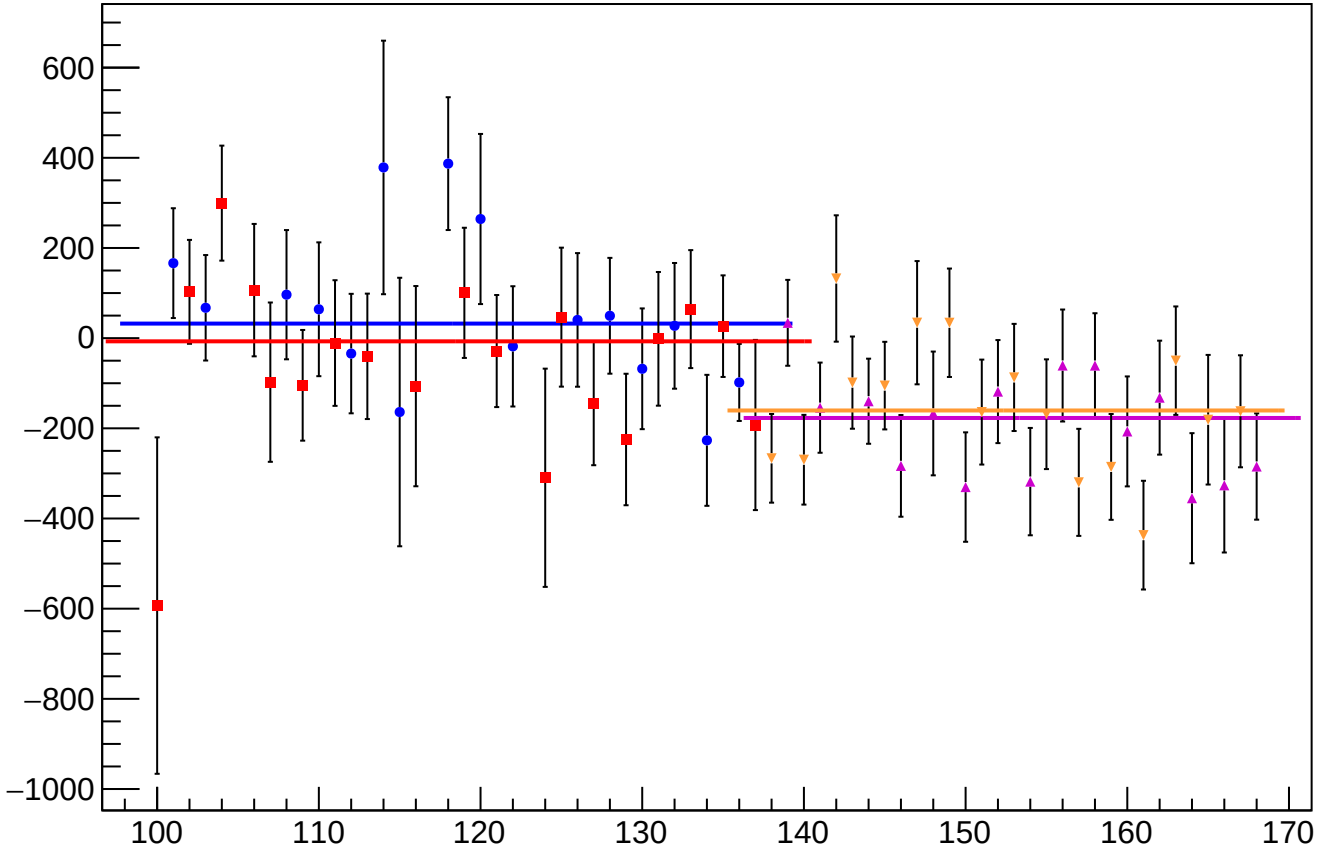
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2968515.6/30

Out: 0.000+/-0.000 χ^2/NDF:5930881.9/34

All: 0.000+/-0.000 χ^2/NDF: 9326691.3/65

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.416+/-29.033 χ^2/NDF:21.5/15

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -177.050+/-30.108 χ^2/NDF:14.7/14

Left: -168.430+/-20.899 χ^2/NDF: 36.4/30

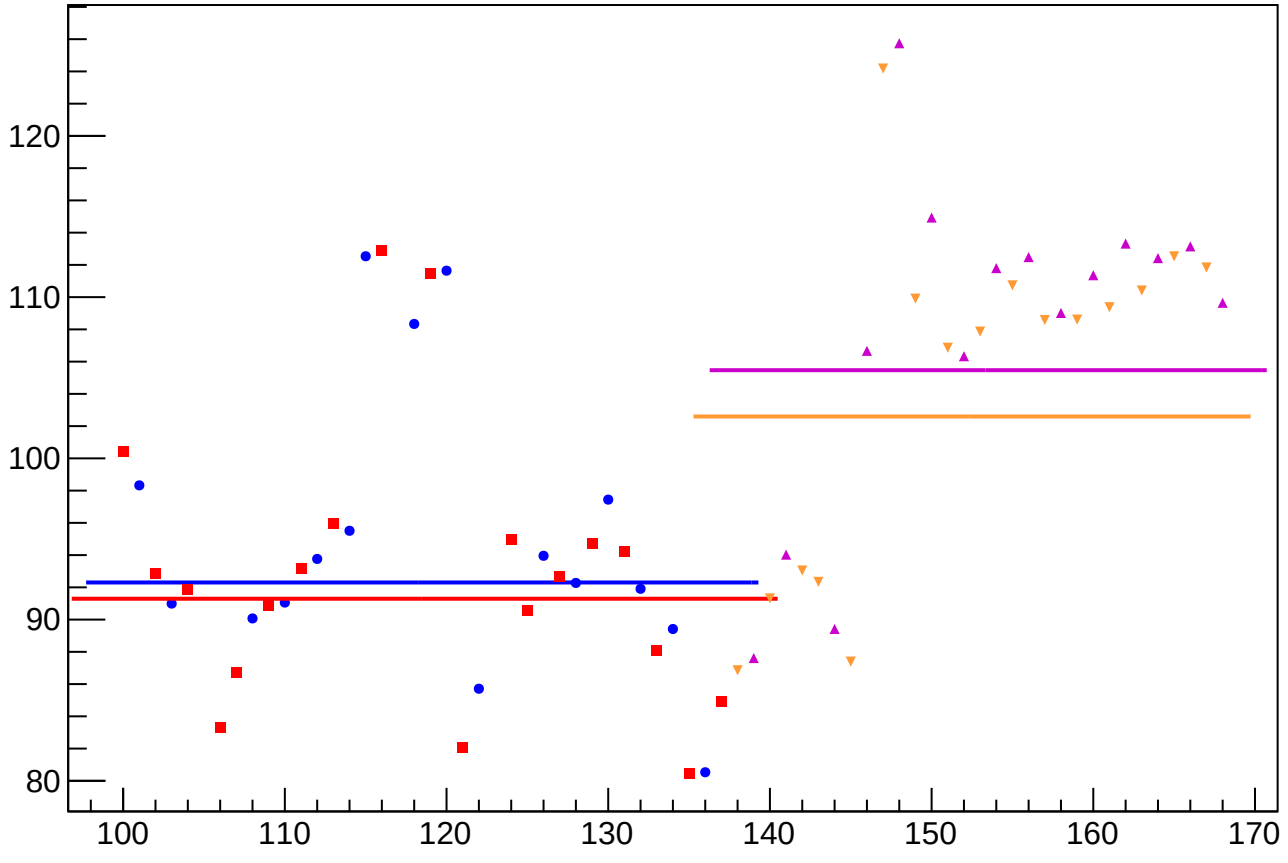
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -86.330+/-22.664 χ^2/NDF:53.0/30

Out: -94.462+/-21.917 χ^2/NDF:51.3/34

All: -90.532+/-15.755 χ^2/NDF: 104.3/65

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

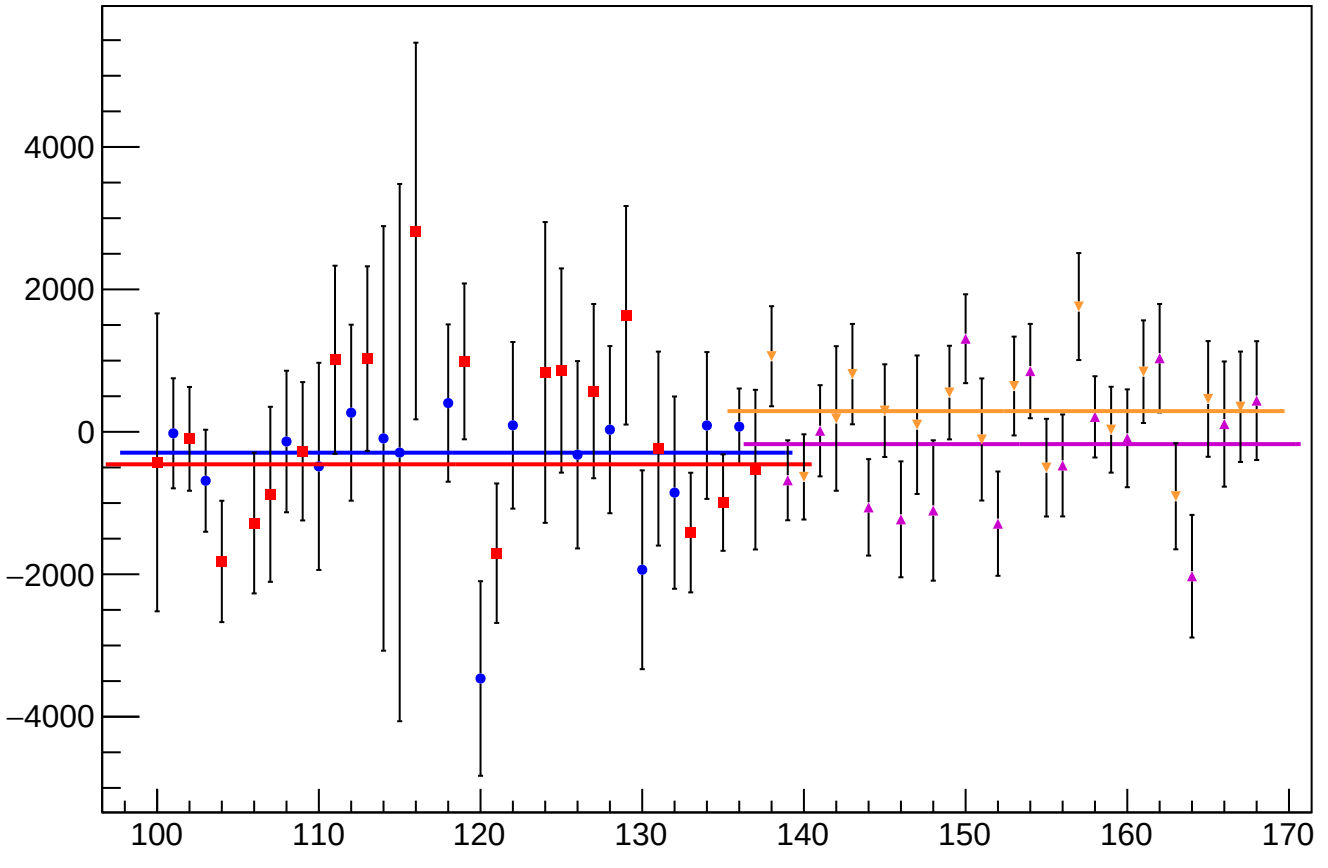
Left: 103.981+/-0.015 χ^2/NDF: 532484.2/30

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 99.763+/-0.016 χ^2/NDF:522035.6/30

Out: 97.735+/-0.015 χ^2/NDF:509314.9/34

All: 98.715+/-0.011 χ^2/NDF: 1039623.7/65



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.013+/-180.964 χ^2/NDF:13.4/15

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -172.455+/-182.612 χ^2/NDF:24.0/14

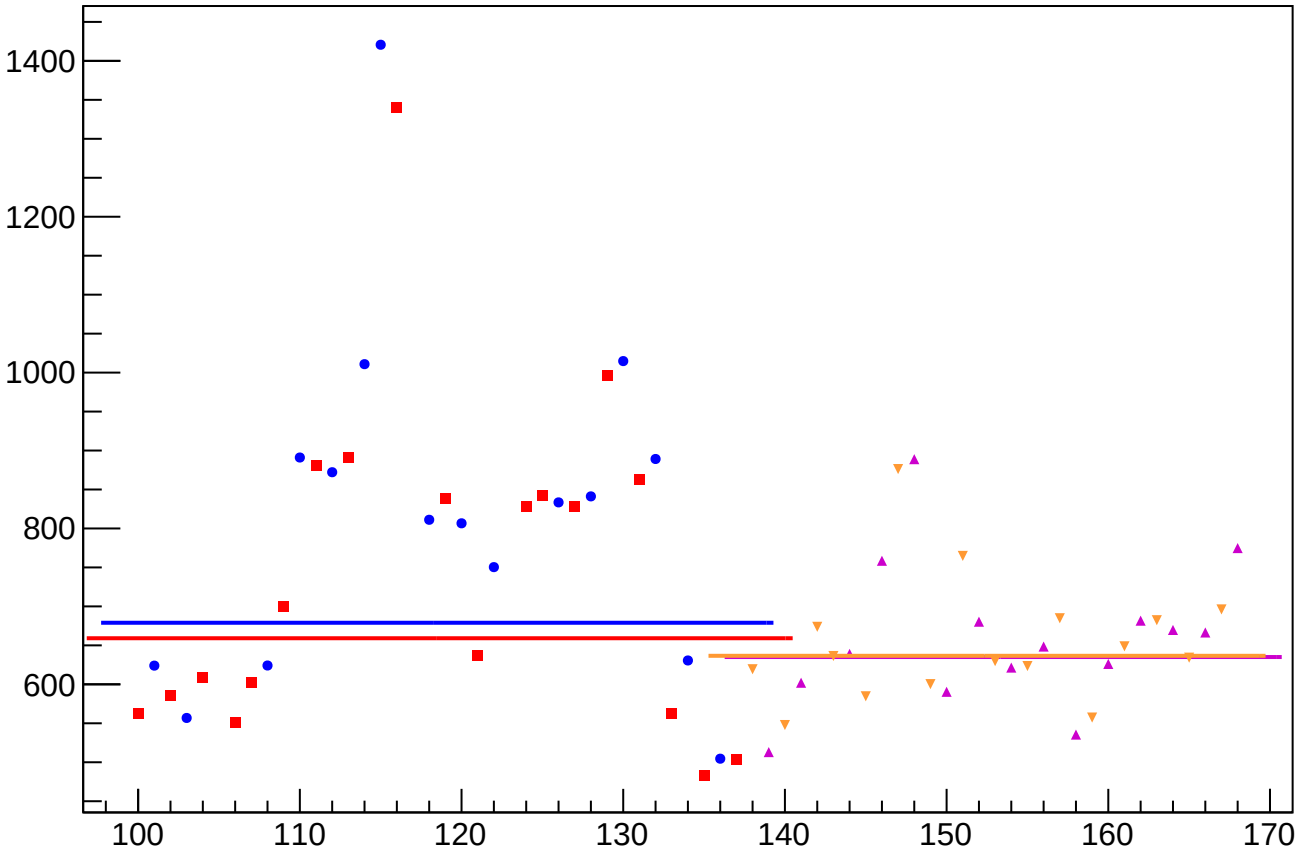
Left: 61.379+/-128.540 χ^2/NDF: 40.6/30

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -212.258+/-149.378 χ^2/NDF:32.9/30

Out: 32.497+/-146.330 χ^2/NDF:36.1/34

All: -87.359+/-104.532 χ^2/NDF: 70.4/65



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 636.601+/-0.128 χ^2/NDF:296608.3/15

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 635.020+/-0.129 χ^2/NDF:428671.7/14

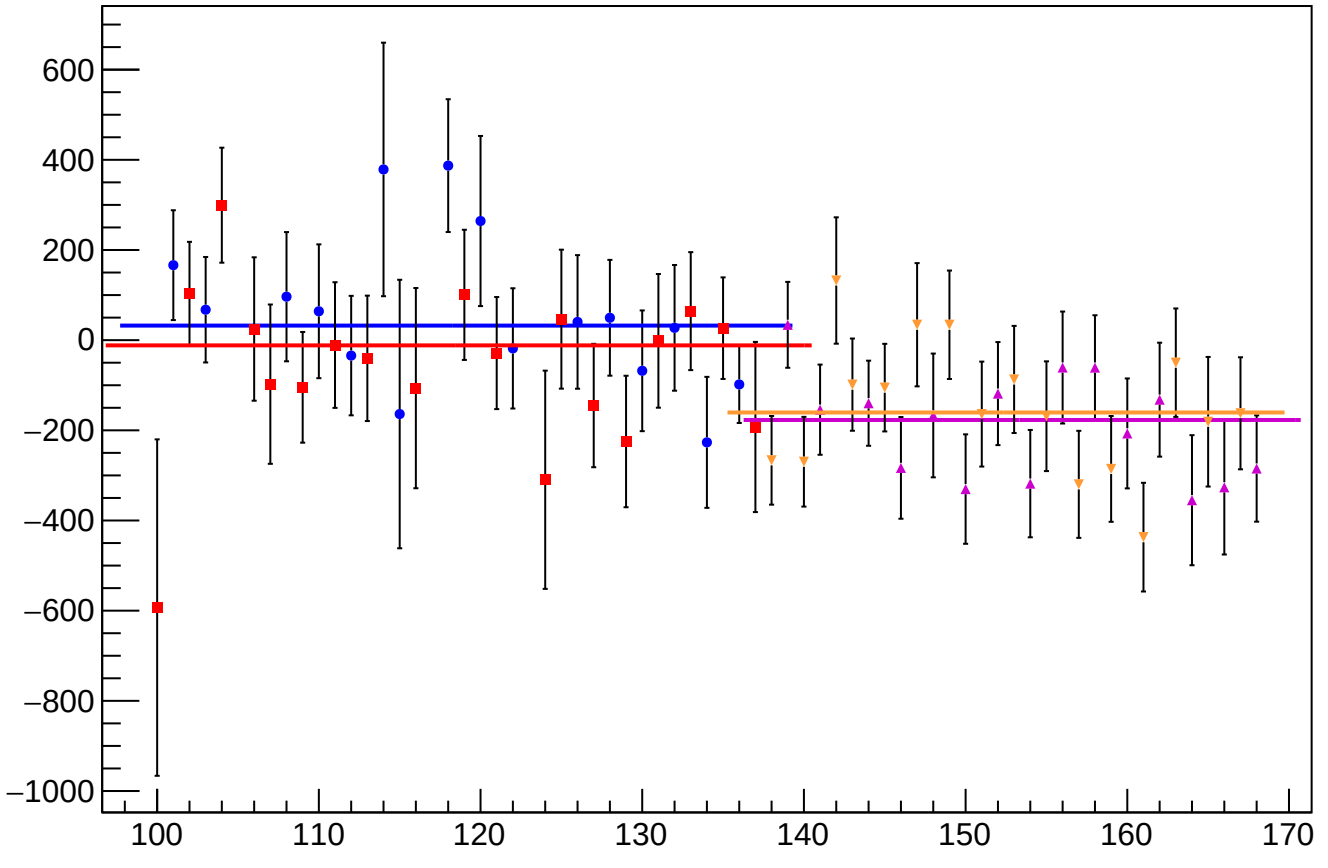
Left: 635.817+/-0.091 χ^2/NDF: 725355.6/30

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 649.572+/-0.106 χ^2/NDF:1235043.7/30

Out: 644.400+/-0.103 χ^2/NDF:1103219.1/34

All: 646.933+/-0.074 χ^2/NDF: 2339486.3/65



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.413+/-29.033 χ^2/NDF:21.5/15

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -177.052+/-30.108 χ^2/NDF:14.7/14

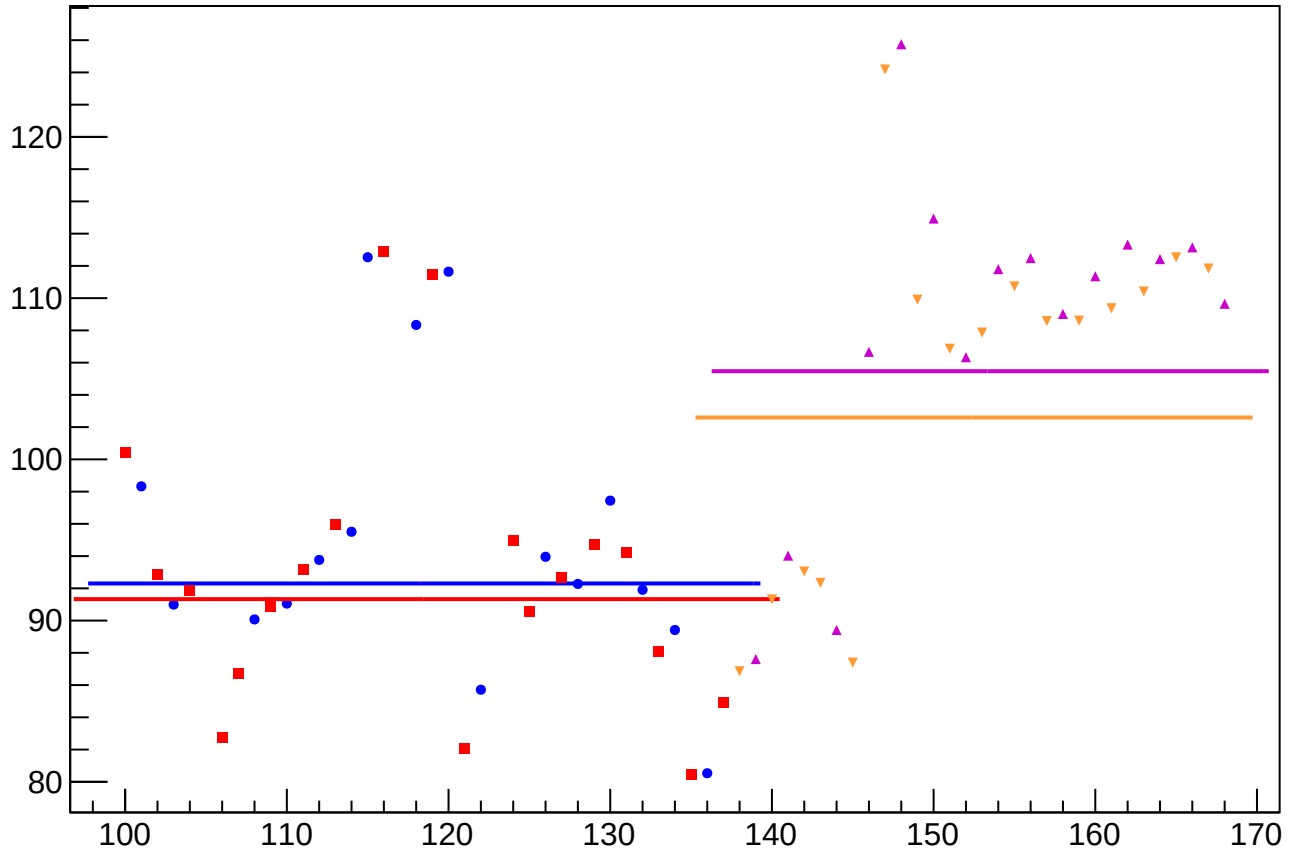
Left: -168.430+/-20.899 χ^2/NDF: 36.4/30

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -86.325+/-22.664 χ^2/NDF:53.0/30

Out: -96.678+/-21.954 χ^2/NDF:50.0/34

All: -91.667+/-15.769 χ^2/NDF: 103.0/65



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

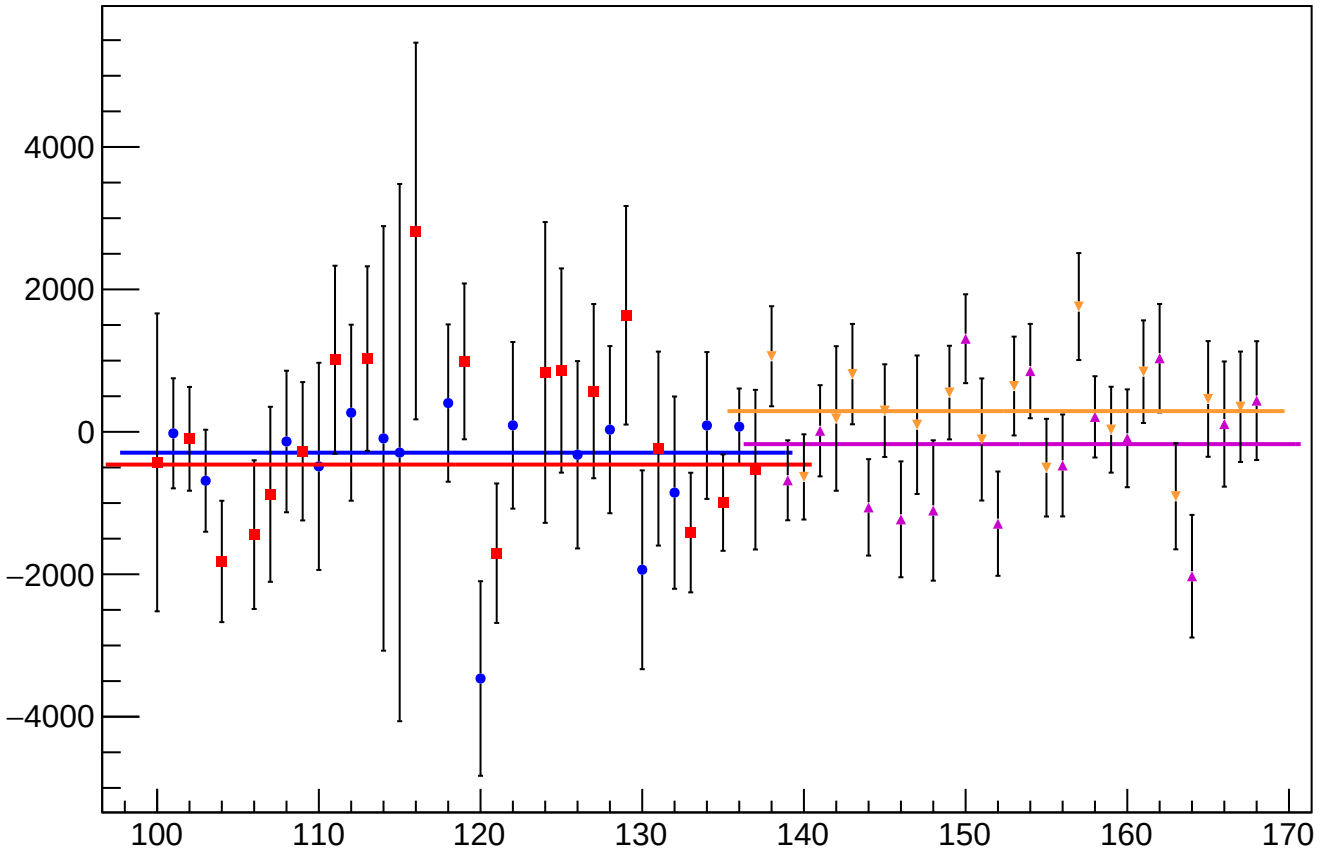
Left: 103.981+/-0.015 χ^2/NDF: 532484.2/30

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.763+/-0.016 χ^2/NDF:522035.6/30

Out: 97.773+/-0.016 χ^2/NDF:507687.1/34

All: 98.736+/-0.011 χ^2/NDF: 1037678.4/65



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -172.457+/-182.612 χ^2/NDF:24.0/14

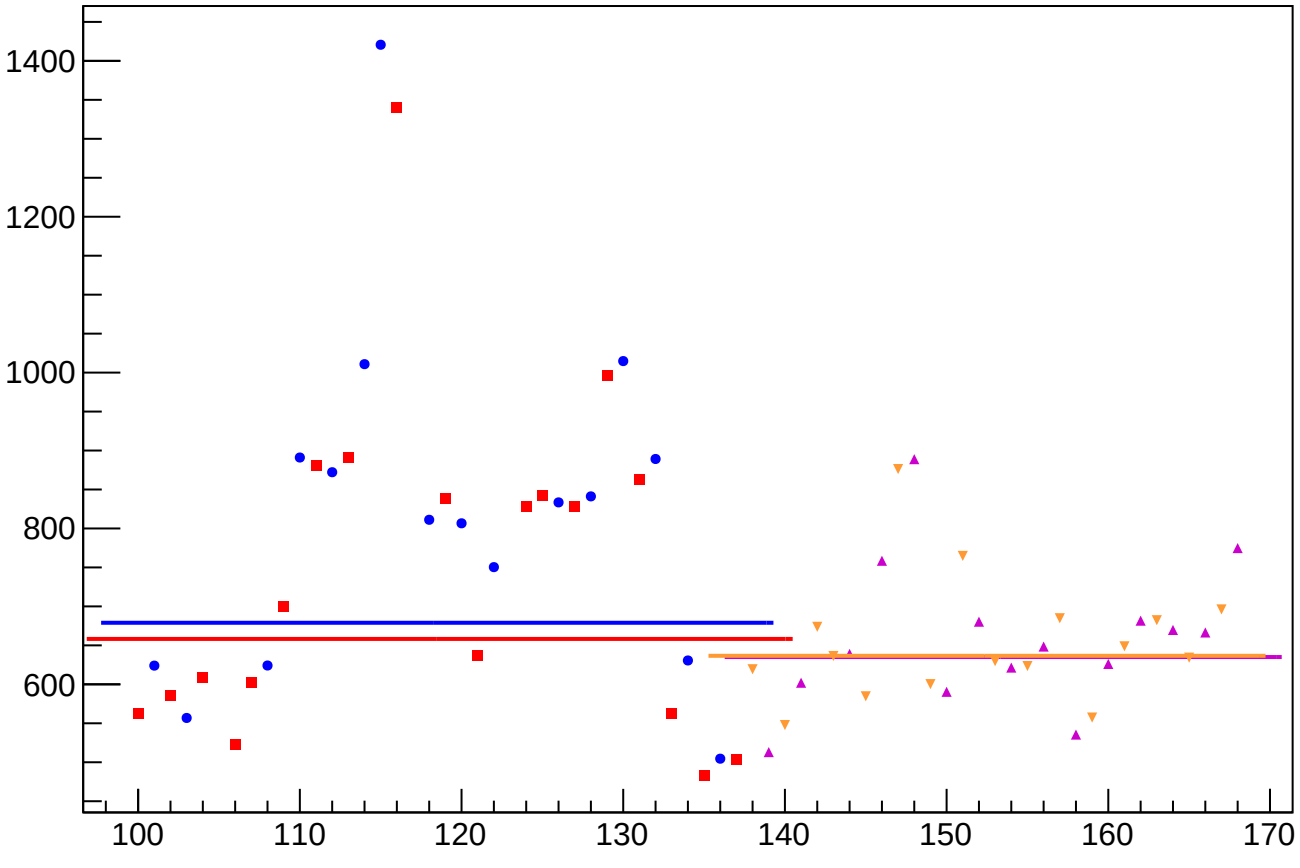
Left: 61.378+/-128.540 χ^2/NDF: 40.6/30

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -212.259+/-149.378 χ^2/NDF:32.9/30

Out: 32.319+/-146.498 χ^2/NDF:36.4/34

All: -87.590+/-104.593 χ^2/NDF: 70.7/65



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.020+/-0.129 χ^2/NDF:428672.4/14

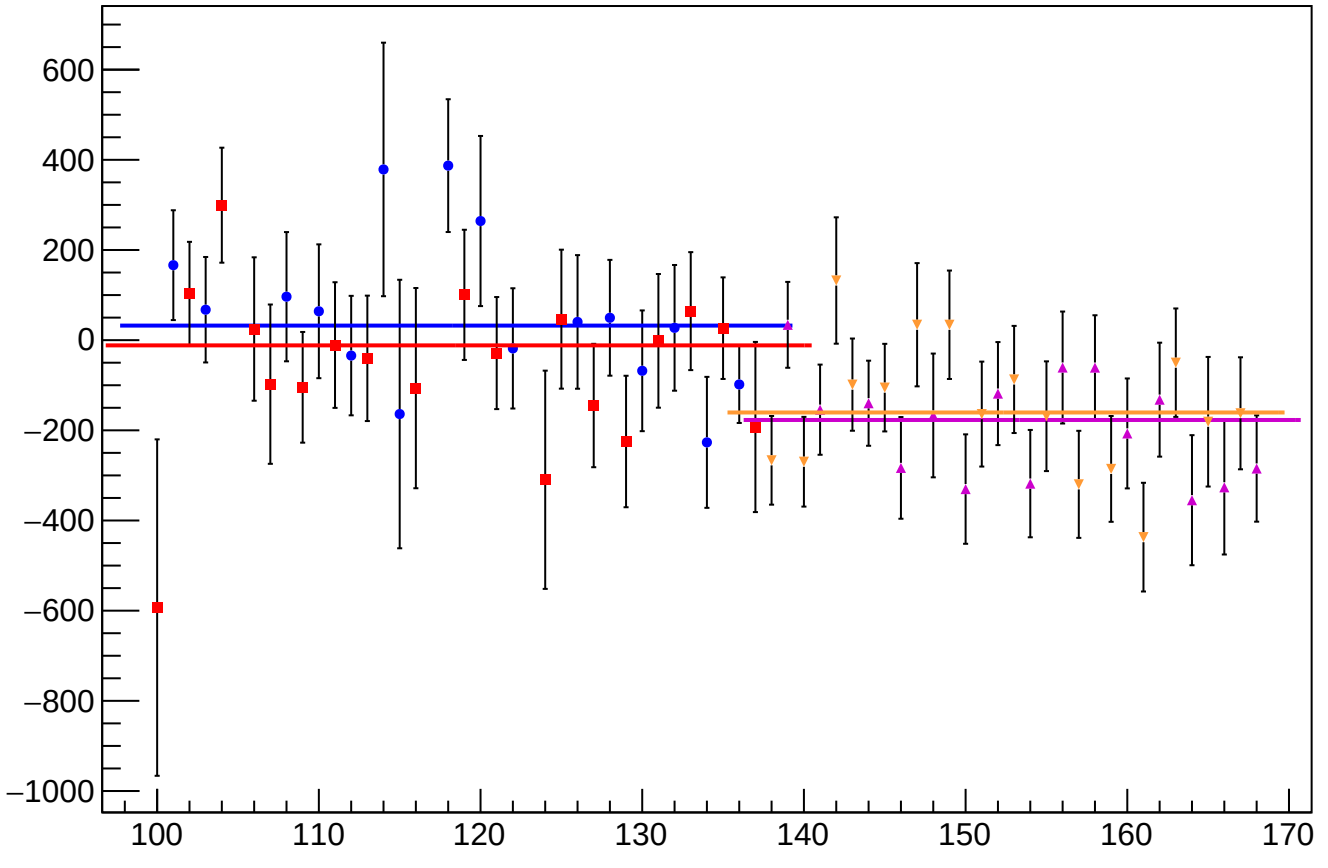
Left: 635.818+/-0.091 χ^2/NDF: 725357.3/30

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 649.572+/-0.106 χ^2/NDF:1235045.2/30

Out: 644.066+/-0.104 χ^2/NDF:1112383.1/34

All: 646.766+/-0.074 χ^2/NDF: 2348813.5/65



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.413+/-29.033 χ^2/NDF:21.5/15

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -177.052+/-30.108 χ^2/NDF:14.7/14

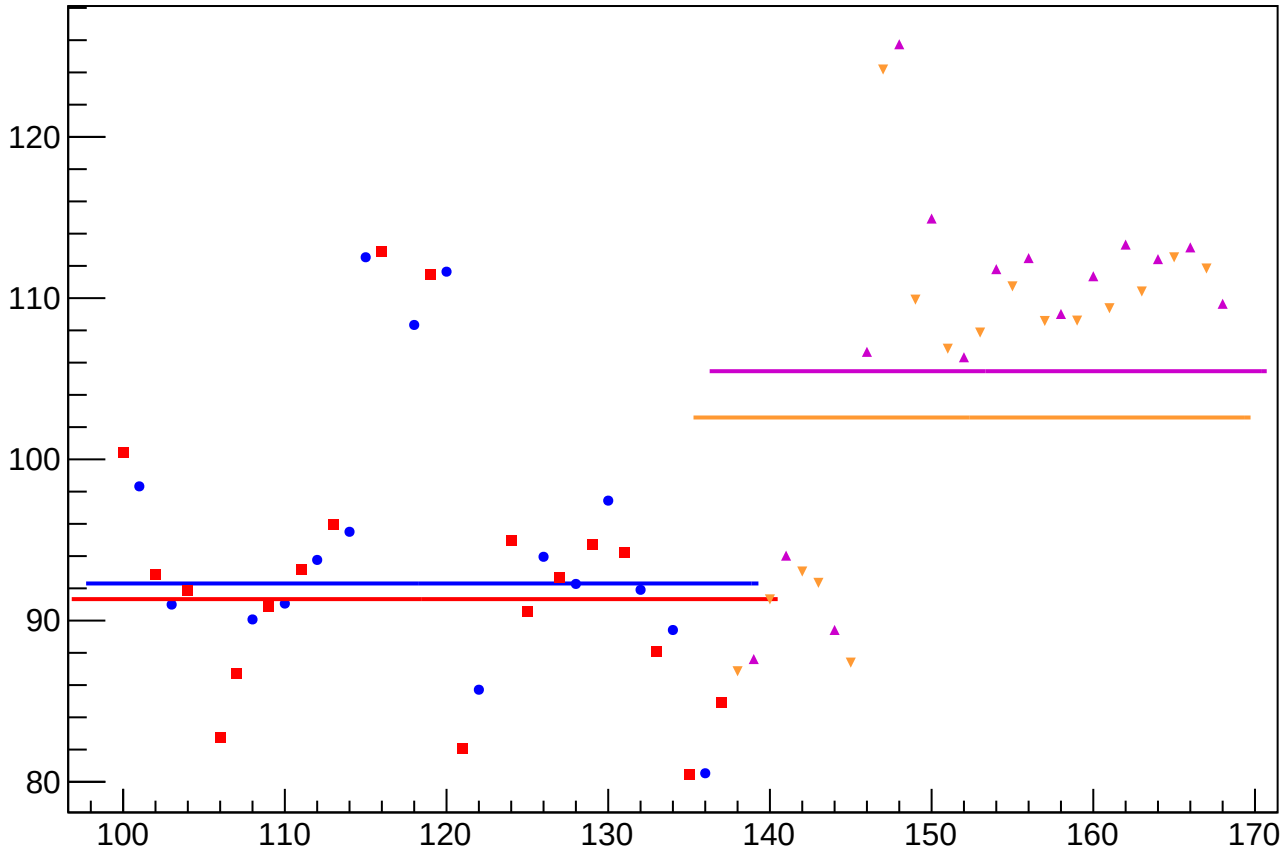
Left: -168.430+/-20.899 χ^2/NDF: 36.4/30

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -86.325+/-22.664 χ^2/NDF:53.0/30

Out: -96.678+/-21.954 χ^2/NDF:50.0/34

All: -91.667+/-15.769 χ^2/NDF: 103.0/65



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.597+/-0.021 χ^2/NDF:273831.5/15

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.469+/-0.021 χ^2/NDF:249223.6/14

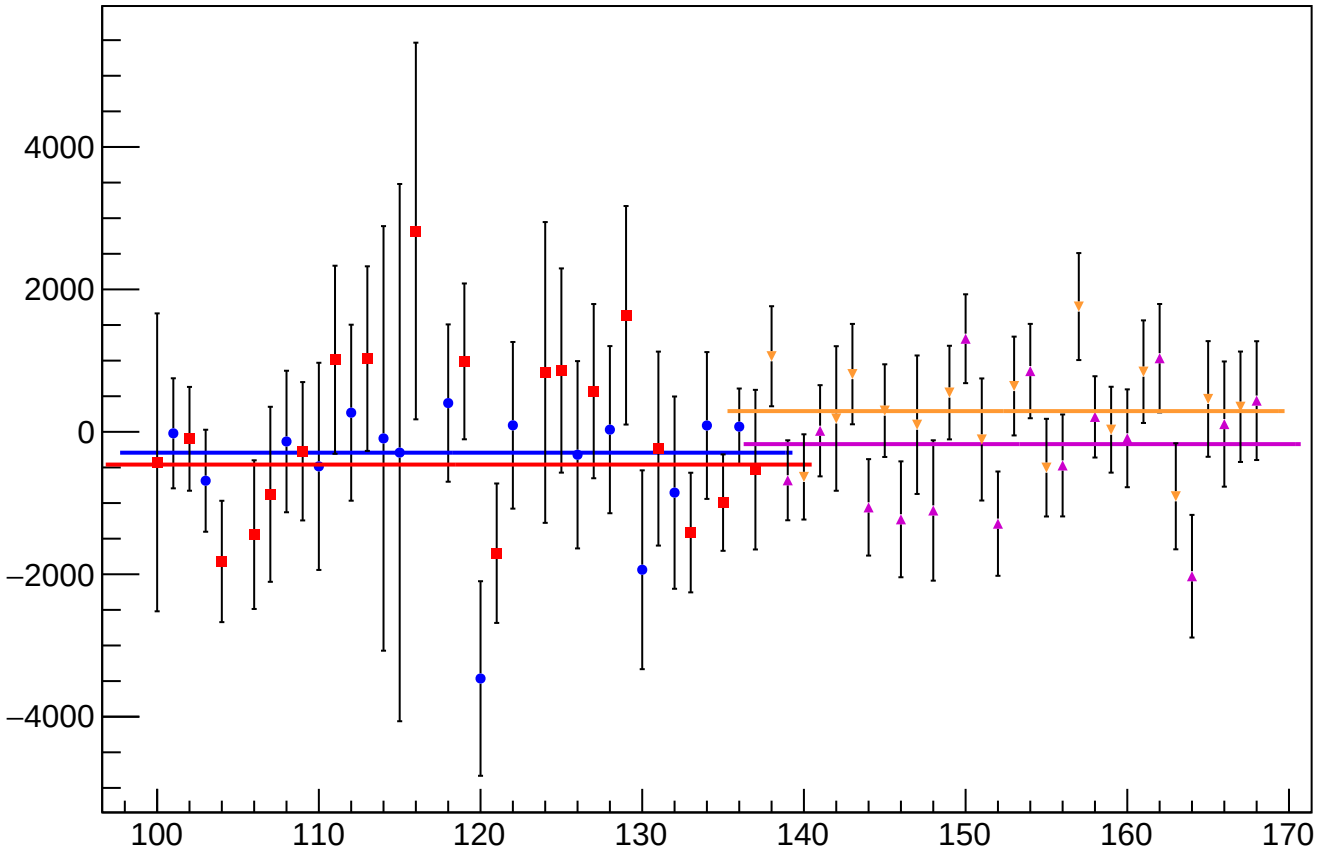
Left: 103.981+/-0.015 χ^2/NDF: 532484.2/30

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.763+/-0.016 χ^2/NDF:522035.6/30

Out: 97.773+/-0.016 χ^2/NDF:507687.1/34

All: 98.736+/-0.011 χ^2/NDF: 1037678.4/65



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 291.012+/-180.965 χ^2/NDF:13.4/15

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -172.457+/-182.612 χ^2/NDF:24.0/14

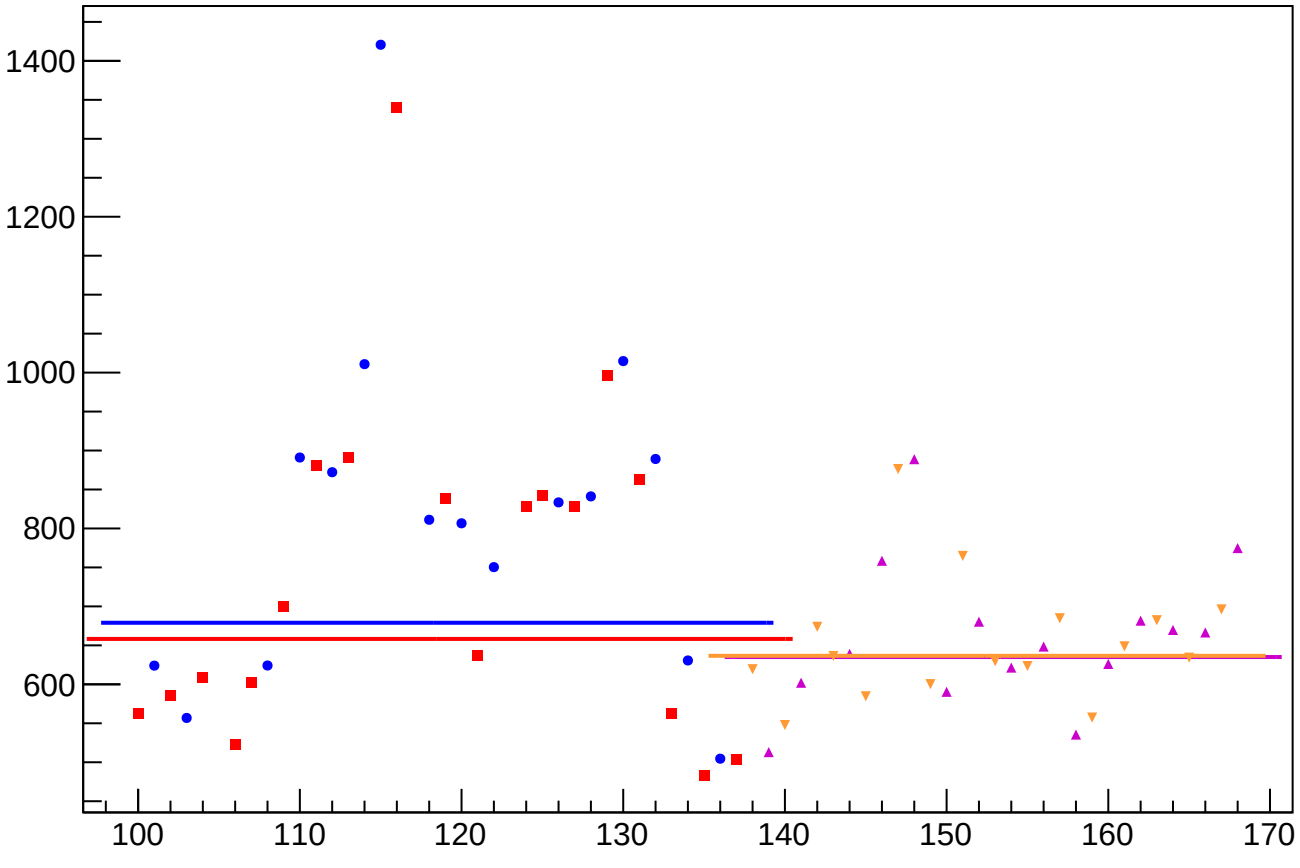
Left: 61.378+/-128.540 χ^2/NDF: 40.6/30

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -212.259+/-149.378 χ^2/NDF:32.9/30

Out: 32.319+/-146.498 χ^2/NDF:36.4/34

All: -87.590+/-104.593 χ^2/NDF: 70.7/65



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 636.601+/-0.128 χ^2/NDF:296609.2/15

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.020+/-0.129 χ^2/NDF:428672.4/14

Left: 635.818+/-0.091 χ^2/NDF: 725357.3/30

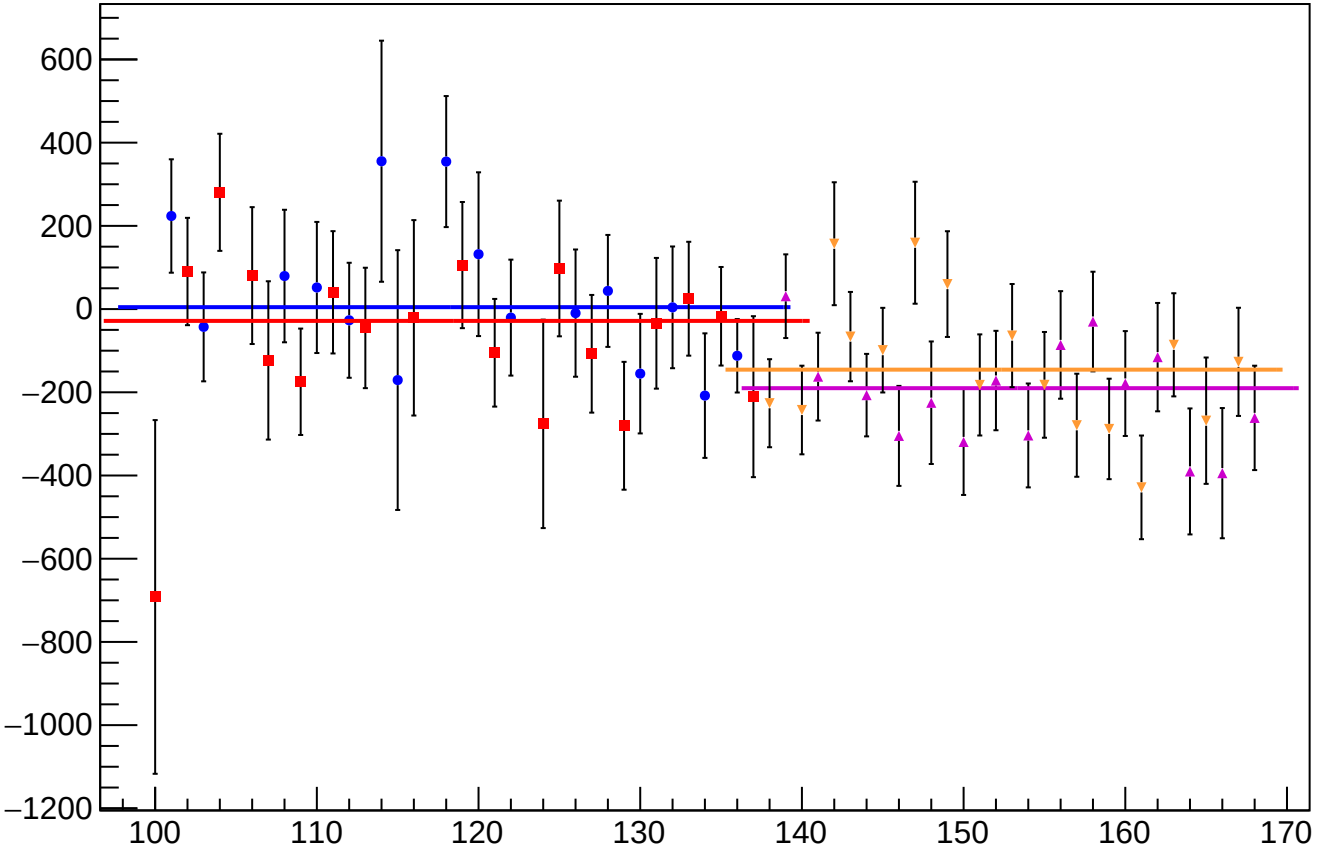
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 649.572+/-0.106 χ^2/NDF:1235045.2/30

Out: 644.066+/-0.104 χ^2/NDF:1112383.1/34

All: 646.766+/-0.074 χ^2/NDF: 2348813.5/65

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -190.117+/-31.608 χ^2/NDF:14.3/14

Left: -167.046+/-21.944 χ^2/NDF: 37.9/30

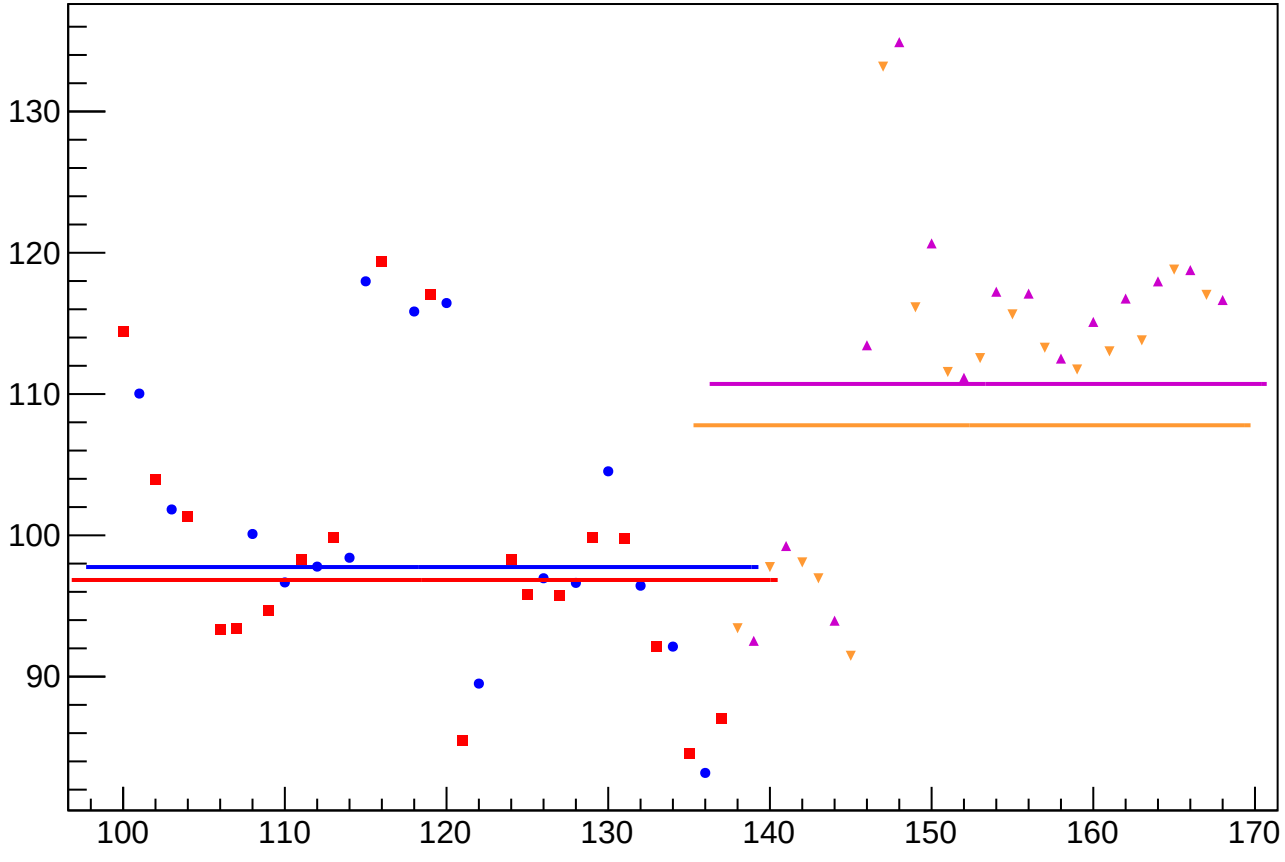
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.689+/-23.896 χ^2/NDF:45.9/30

Out: -95.782+/-23.120 χ^2/NDF:45.9/34

All: -101.055+/-16.616 χ^2/NDF: 92.0/65

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.791+/-0.022 χ^2/NDF:251111.7/15

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 110.715+/-0.022 χ^2/NDF:245245.7/14

Left: 109.200+/-0.016 χ^2/NDF: 505228.6/30

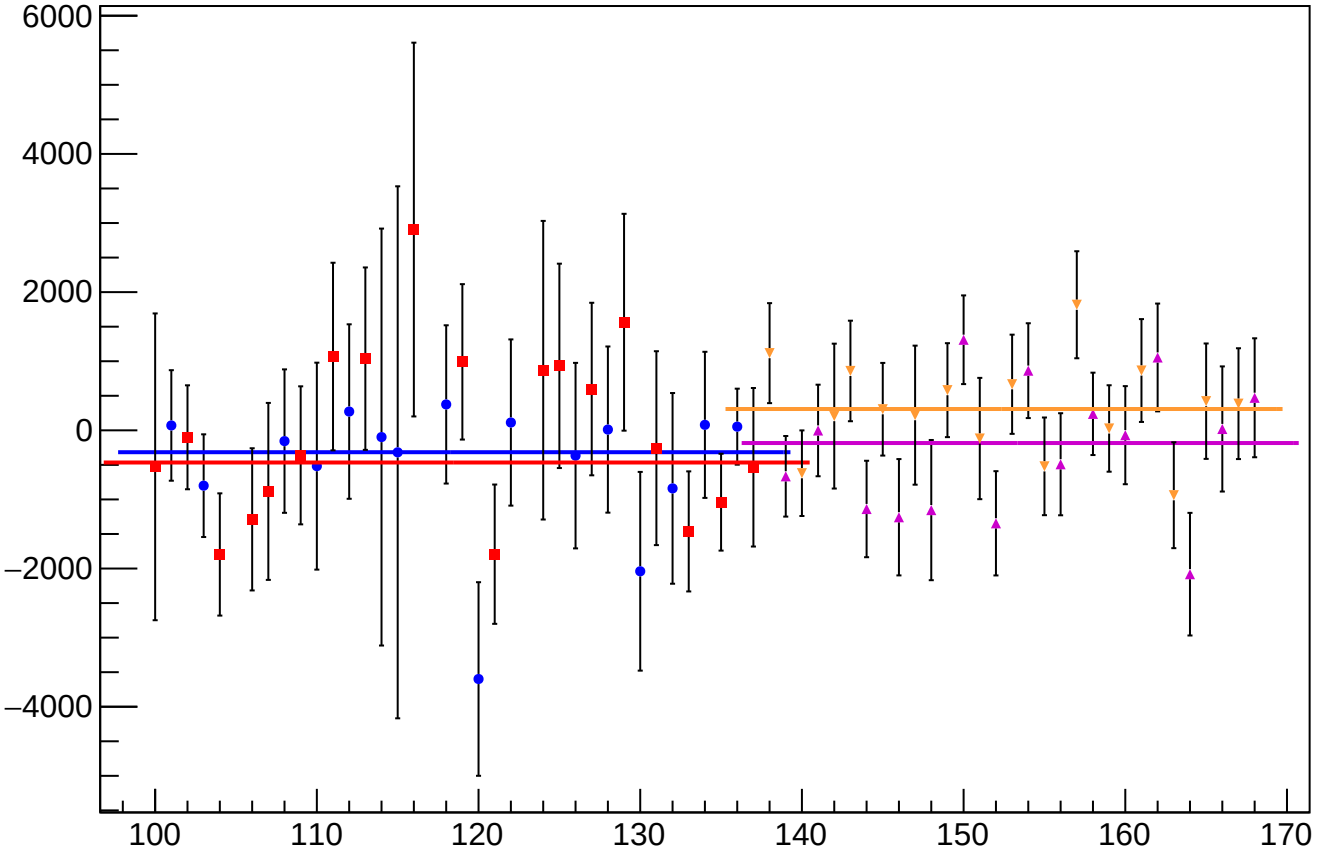
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 105.163+/-0.017 χ^2/NDF:529942.4/30

Out: 103.137+/-0.016 χ^2/NDF:475934.1/34

All: 104.117+/-0.012 χ^2/NDF: 1013307.8/65

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -183.776+/-188.718 χ^2/NDF:23.7/14

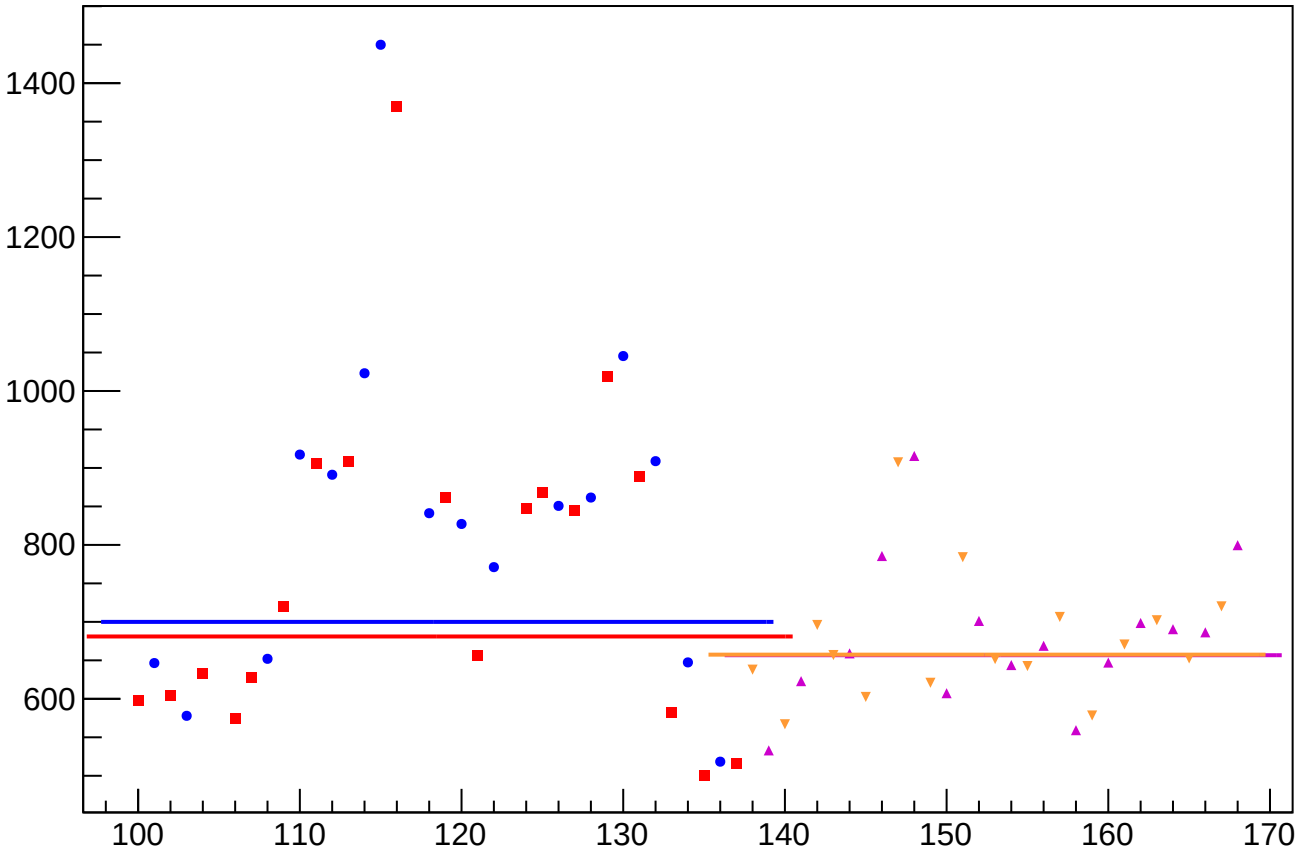
Left: 64.928+/-132.762 χ^2/NDF: 40.5/30

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -227.902+/-154.208 χ^2/NDF:33.0/30

Out: 40.499+/-151.033 χ^2/NDF:35.8/34

All: -90.910+/-107.901 χ^2/NDF: 70.4/65



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 657.408+/-0.132 χ^2/NDF:291751.6/15

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 656.667+/-0.133 χ^2/NDF:412114.9/14

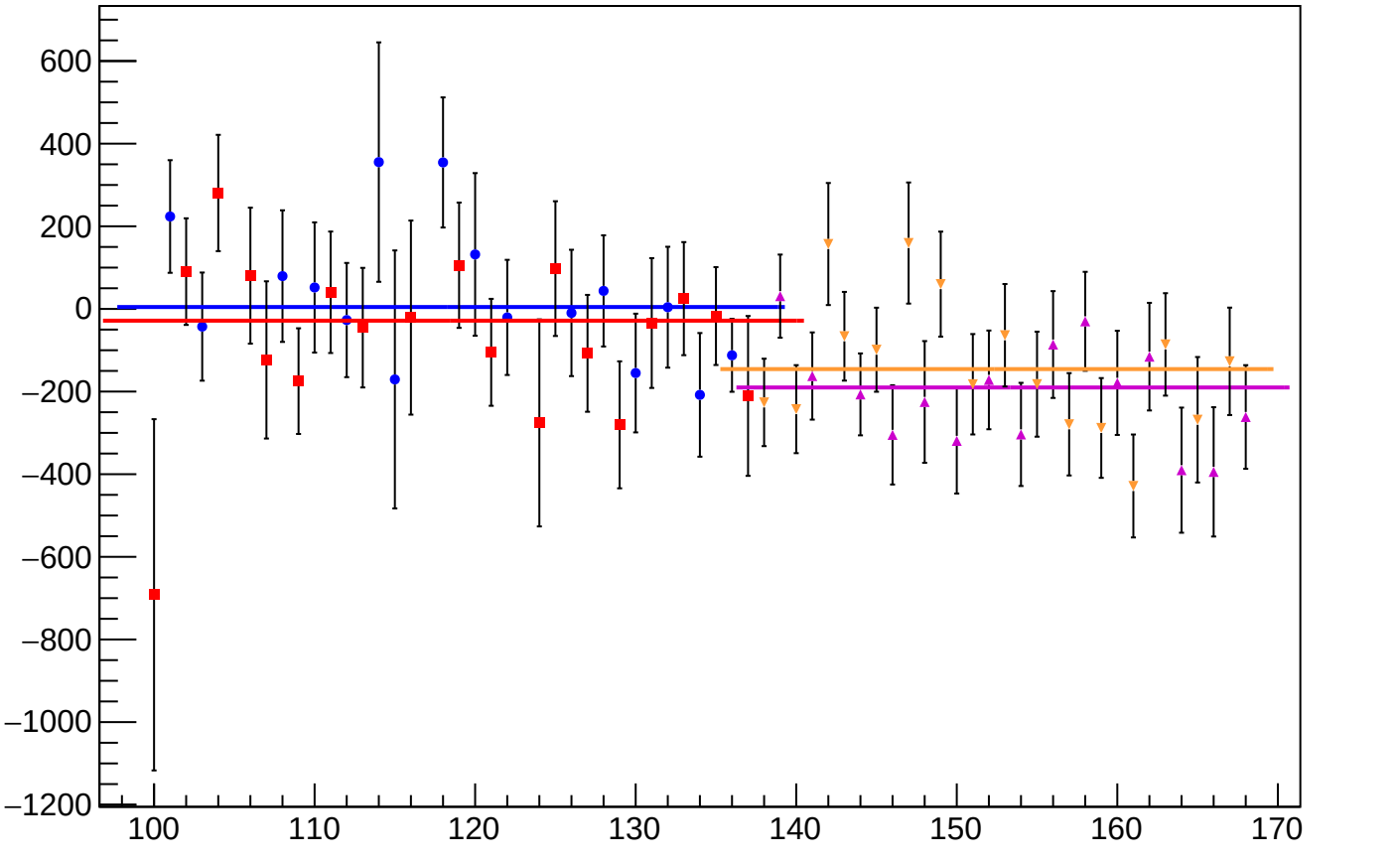
Left: 657.041+/-0.094 χ^2/NDF: 703882.1/30

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 671.057+/-0.109 χ^2/NDF:1200776.5/30

Out: 665.584+/-0.107 χ^2/NDF:1072211.7/34

All: 668.264+/-0.076 χ^2/NDF: 2274273.9/65



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.579+/-30.489 χ^2/NDF:22.5/15

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -190.118+/-31.608 χ^2/NDF:14.3/14

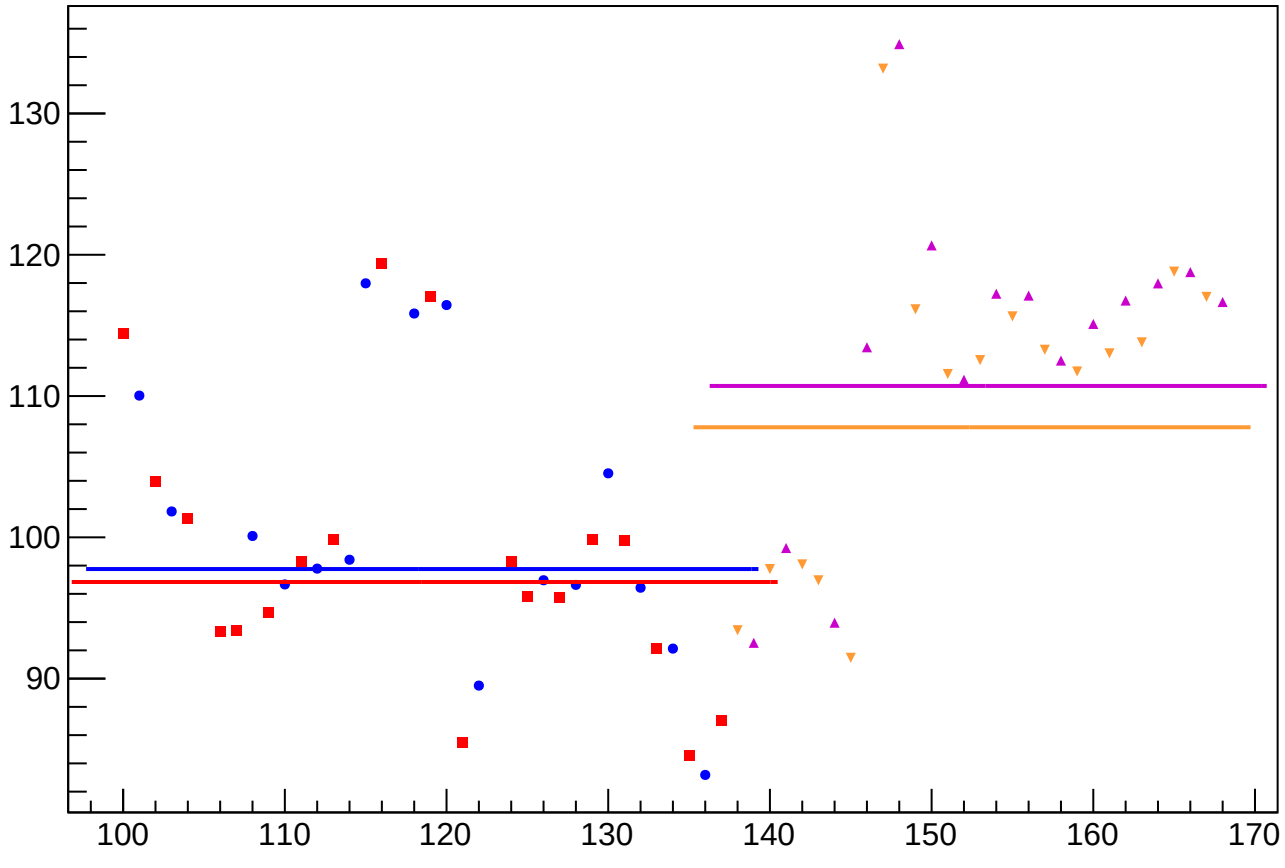
Left: -167.047+/-21.944 χ^2/NDF: 37.9/30

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -106.688+/-23.896 χ^2/NDF:45.9/30

Out: -95.782+/-23.120 χ^2/NDF:45.9/34

All: -101.055+/-16.616 χ^2/NDF: 92.0/65



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.791+/-0.022 χ^2/NDF:251110.5/15

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 110.716+/-0.022 χ^2/NDF:245242.8/14

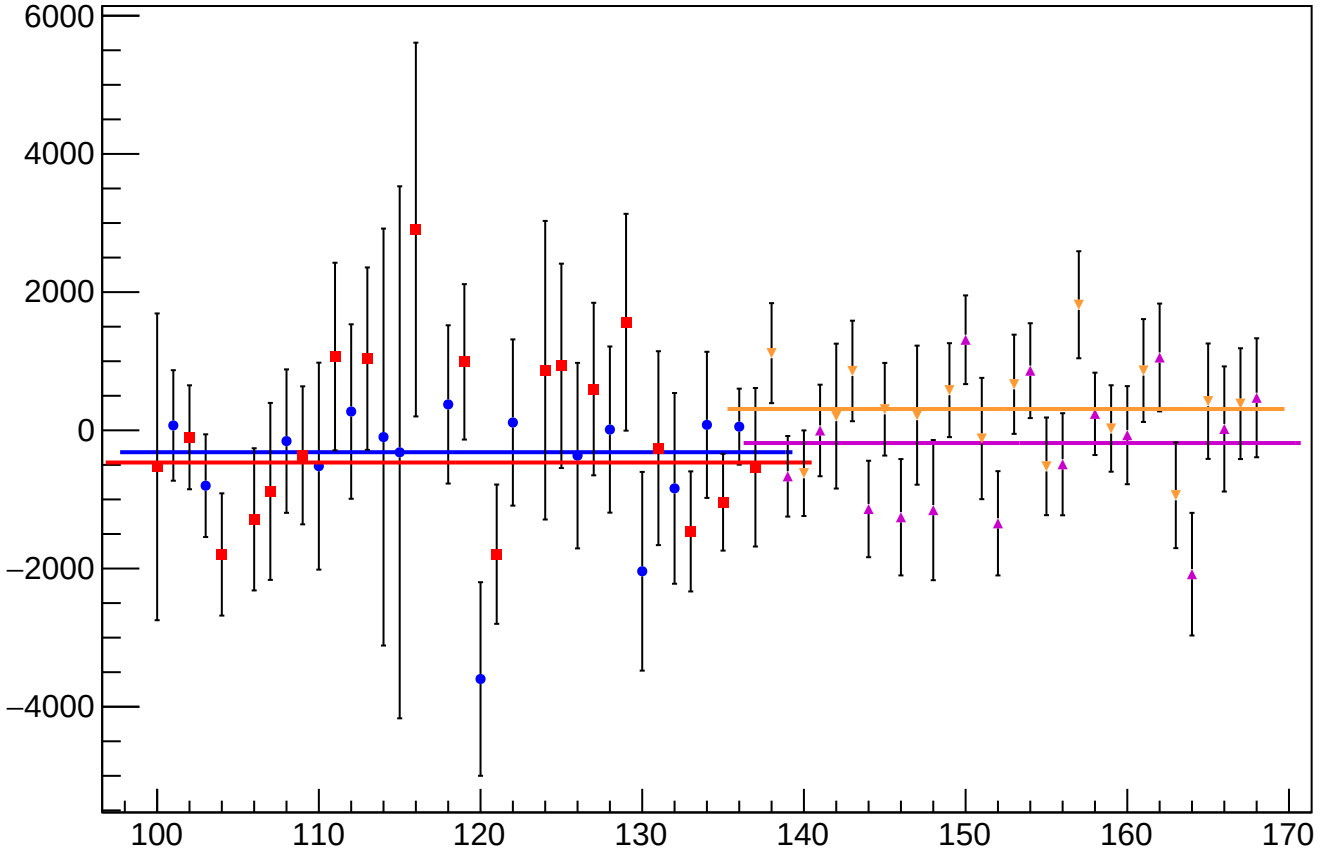
Left: 109.200+/-0.016 χ^2/NDF: 505224.7/30

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 105.163+/-0.017 χ^2/NDF:529948.4/30

Out: 103.136+/-0.016 χ^2/NDF:475943.1/34

All: 104.116+/-0.012 χ^2/NDF: 1013323.0/65



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 308.615+/-186.805 χ^2/NDF:13.4/15

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -183.776+/-188.718 χ^2/NDF:23.7/14

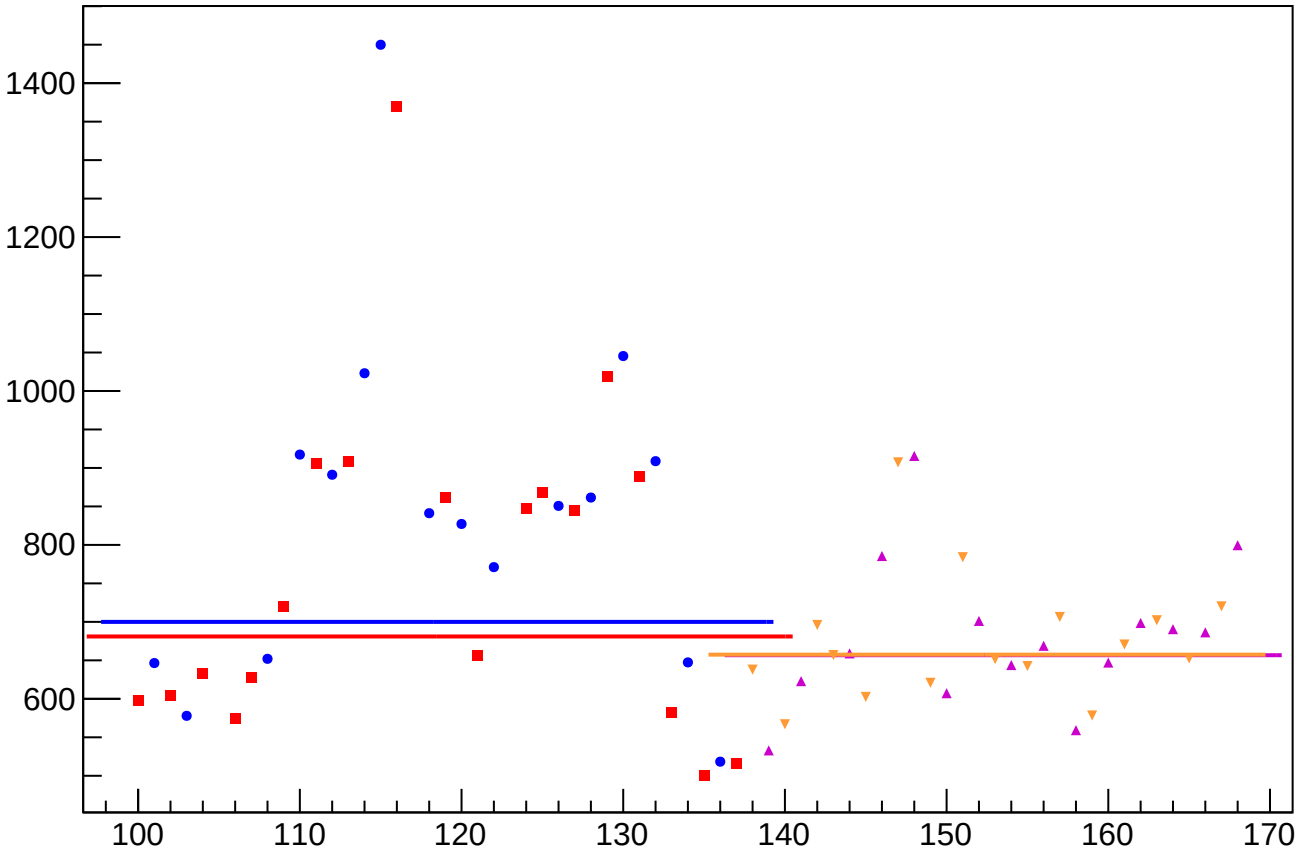
Left: 64.928+/-132.762 χ^2/NDF: 40.5/30

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -227.902+/-154.208 χ^2/NDF:33.0/30

Out: 40.498+/-151.033 χ^2/NDF:35.8/34

All: -90.911+/-107.901 χ^2/NDF: 70.4/65



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 657.409+/-0.132 χ^2/NDF:291751.3/15

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 656.667+/-0.133 χ^2/NDF:412115.3/14

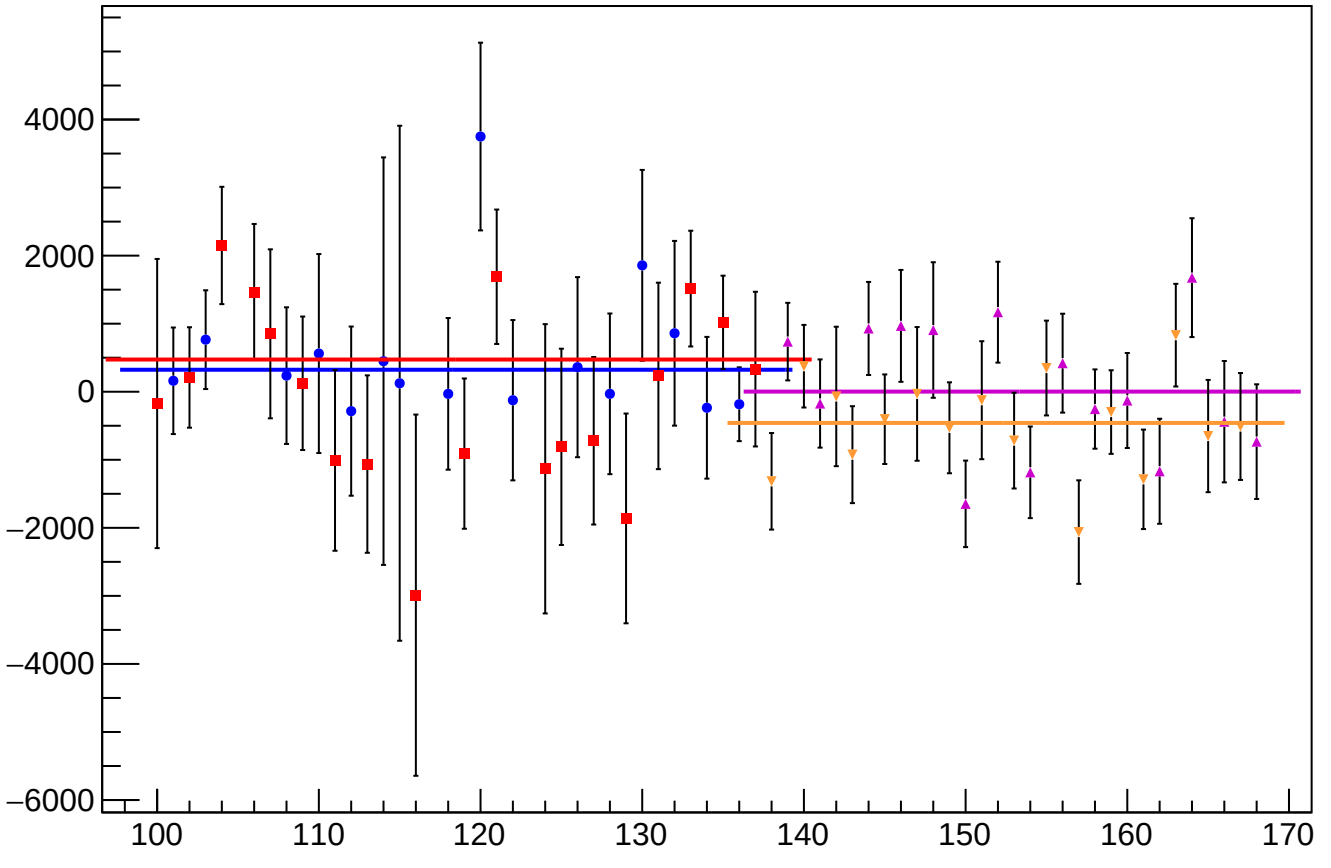
Left: 657.042+/-0.094 χ^2/NDF: 703882.2/30

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 671.057+/-0.109 χ^2/NDF:1200776.4/30

Out: 665.584+/-0.107 χ^2/NDF:1072212.4/34

All: 668.263+/-0.076 χ^2/NDF: 2274274.6/65



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -458.414+/-183.439 χ^2/NDF:14.5/15

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 1.930+/-185.266 χ^2/NDF:25.6/14

Left: -230.523+/-130.352 χ^2/NDF: 43.3/30

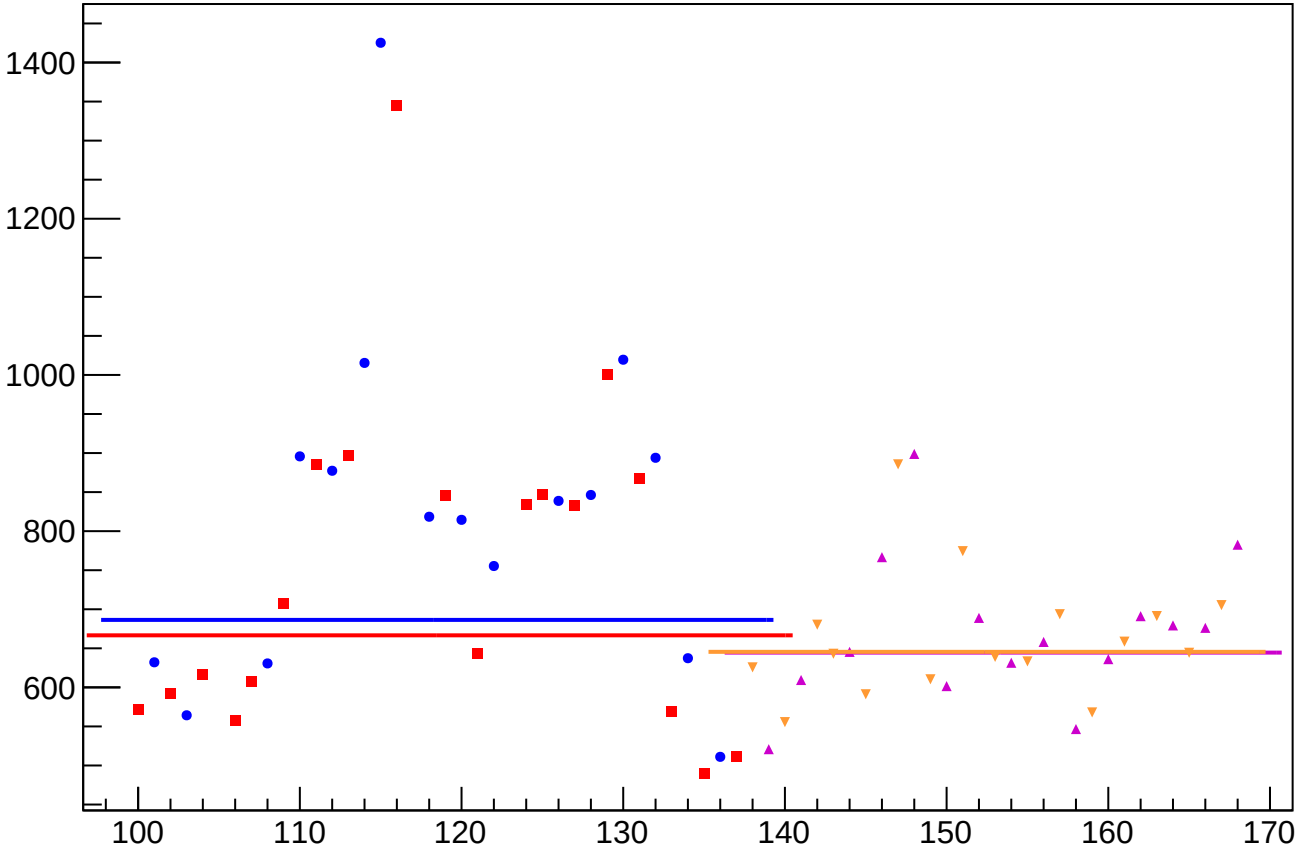
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 108.842+/-151.332 χ^2/NDF:36.4/30

Out: -134.609+/-148.170 χ^2/NDF:42.9/34

All: -15.453+/-105.872 χ^2/NDF: 80.6/65

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.501+/-0.130 χ^2/NDF:290952.3/15

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 644.517+/-0.131 χ^2/NDF:415863.8/14

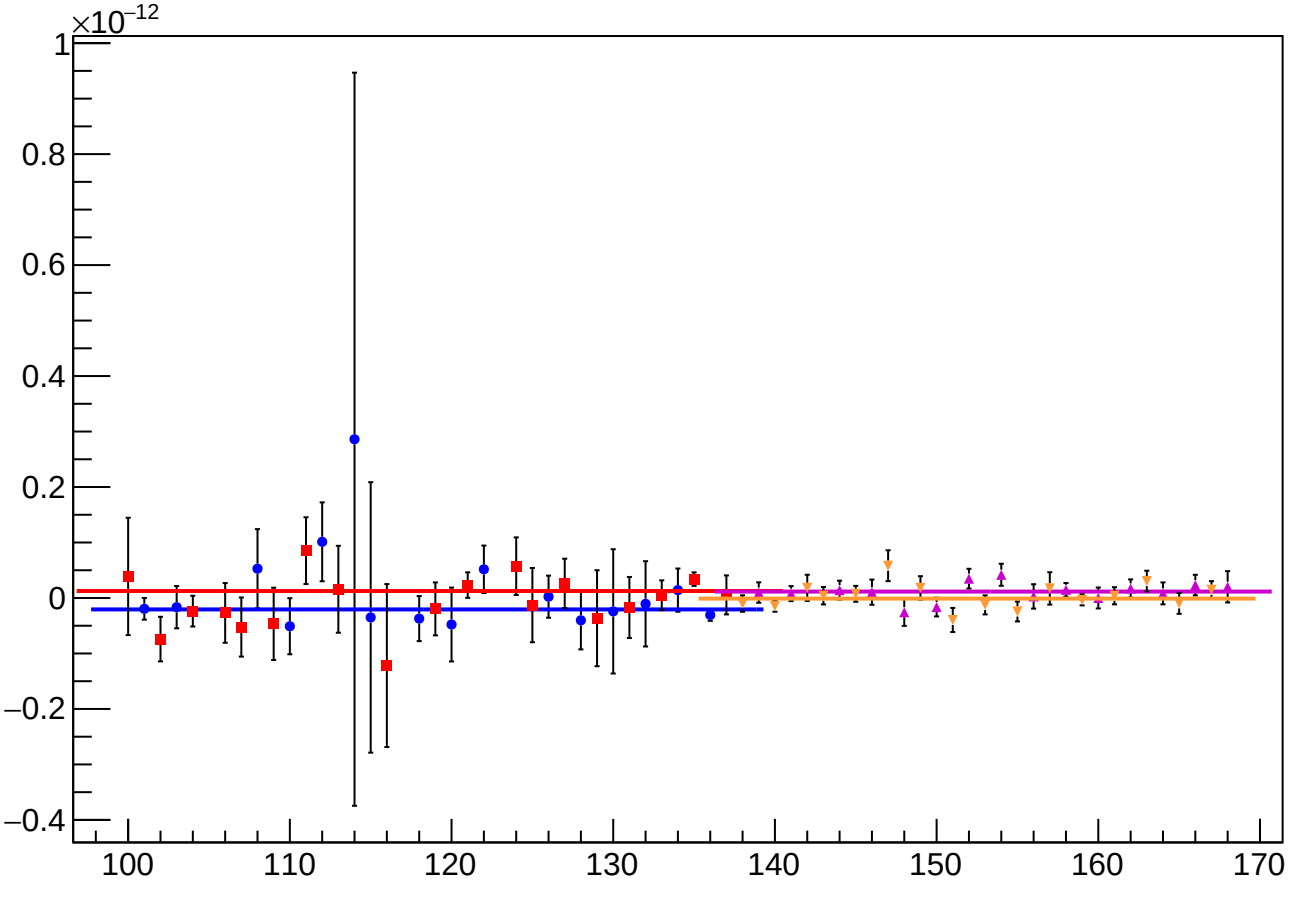
Left: 645.014+/-0.092 χ^2/NDF: 706844.6/30

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 658.453+/-0.107 χ^2/NDF:1199324.5/30

Out: 652.846+/-0.105 χ^2/NDF:1077212.2/34

All: 655.590+/-0.075 χ^2/NDF: 2277938.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/14

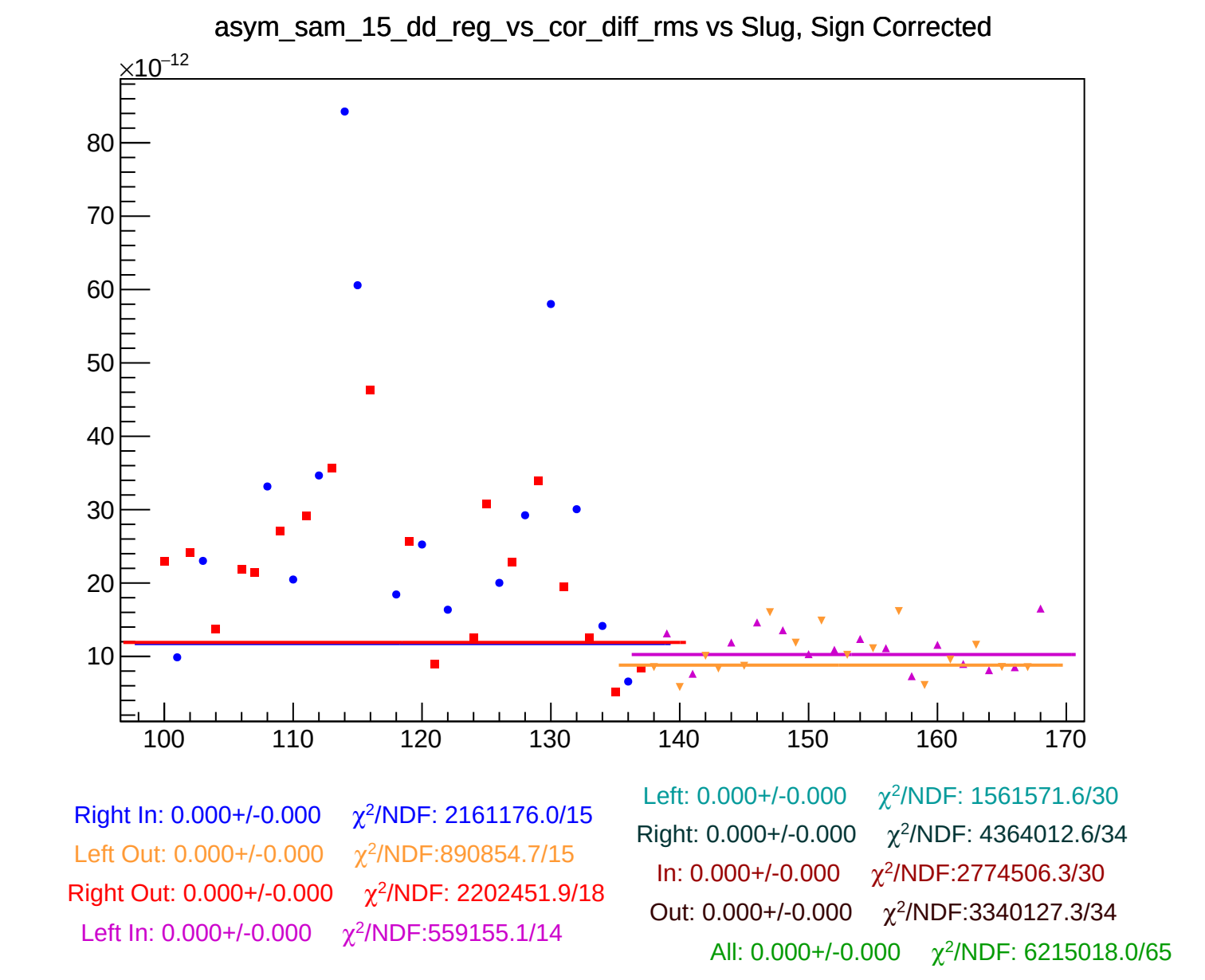
Left: 0.000+/-0.000 χ^2/NDF: 33.4/30

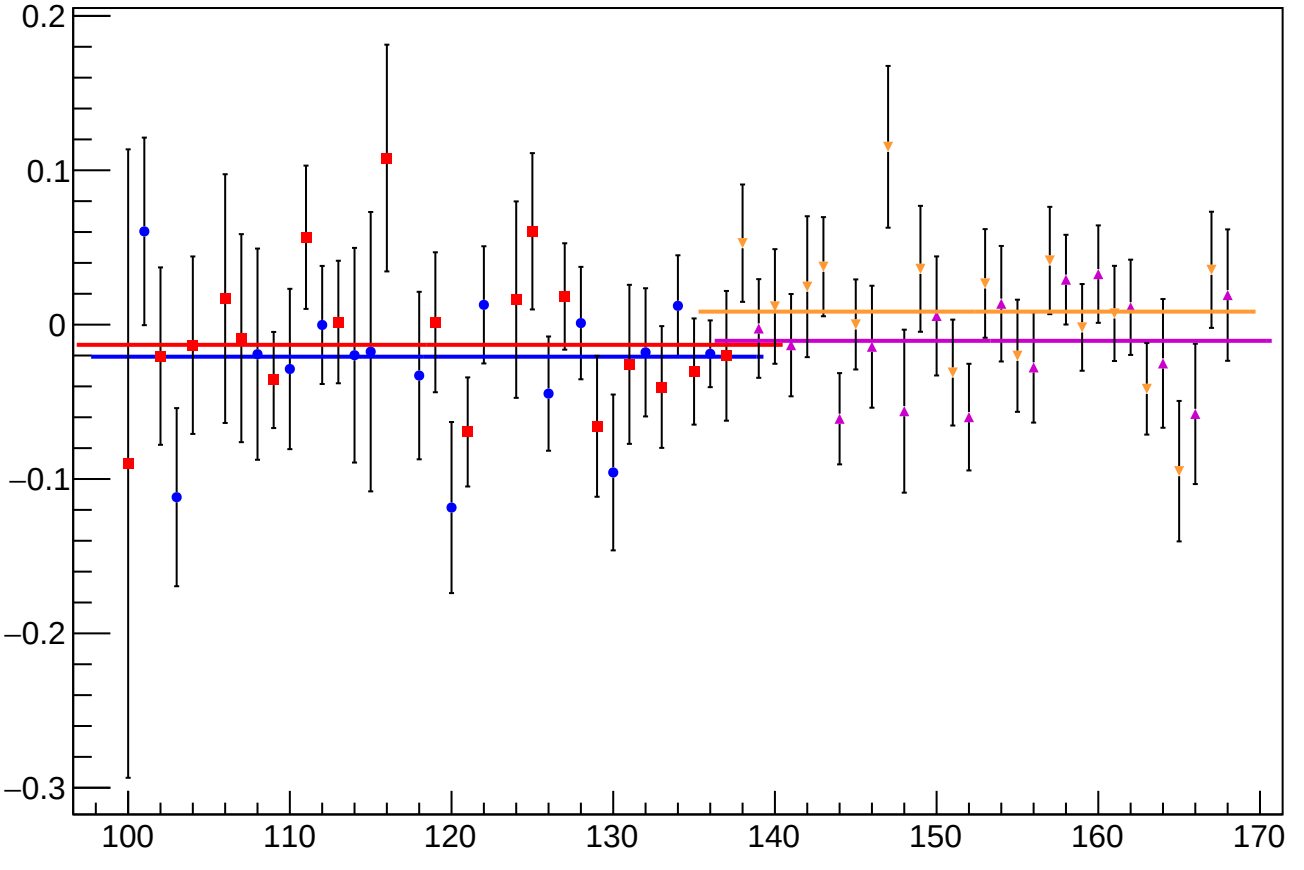
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:32.9/30

Out: 0.000+/-0.000 χ^2/NDF:38.2/34

All: 0.000+/-0.000 χ^2/NDF: 71.2/65


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:890854.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:559155.1/14
Left: 0.000+/-0.000 χ²/NDF: 1561571.6/30
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2774506.3/30
Out: 0.000+/-0.000 χ²/NDF:3340127.3/34
All: 0.000+/-0.000 χ²/NDF: 6215018.0/65



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.009 χ^2/NDF:12.5/14

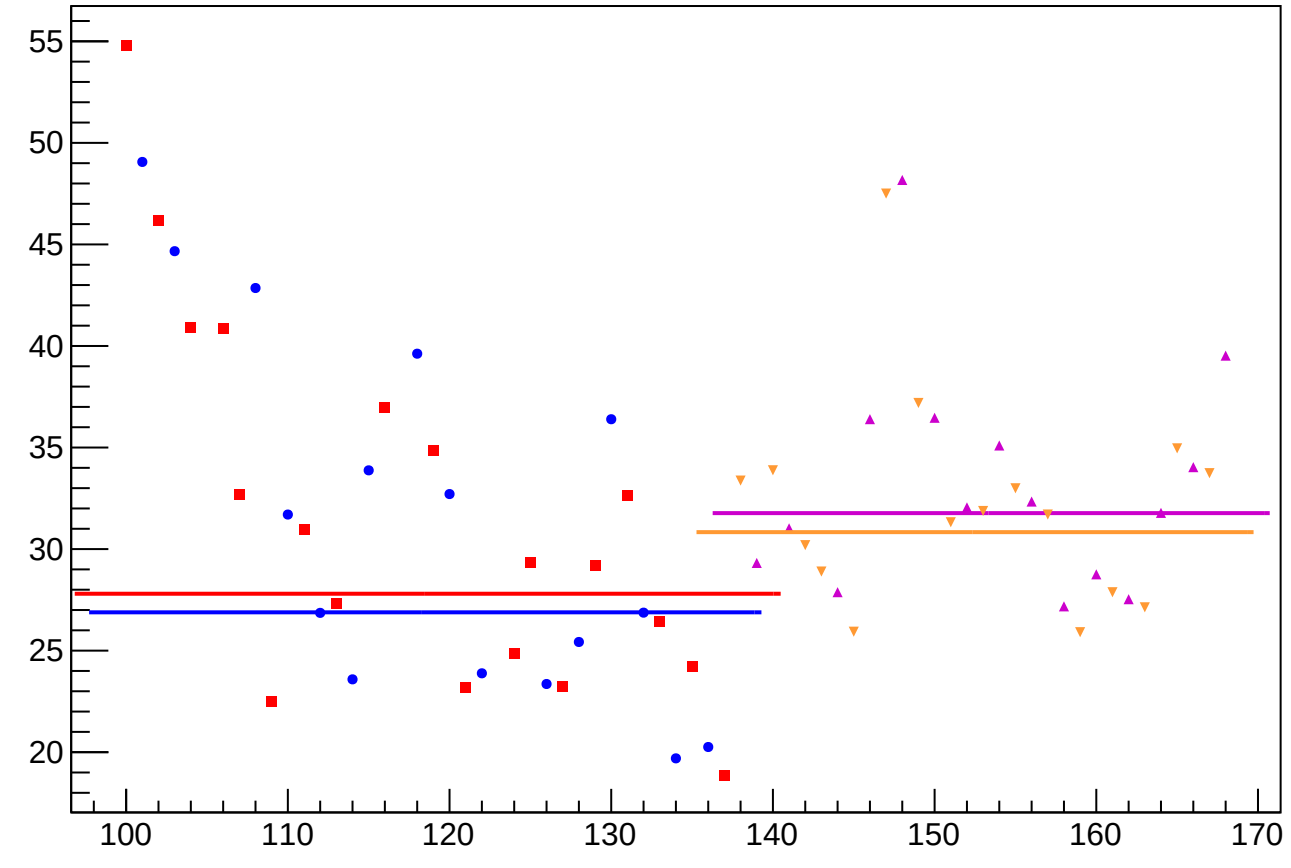
Left: -0.001+/-0.006 χ^2/NDF: 33.5/30

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:25.6/30

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 63.0/65



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487445.5/15

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.771+/-0.006 χ^2/NDF:491248.9/14

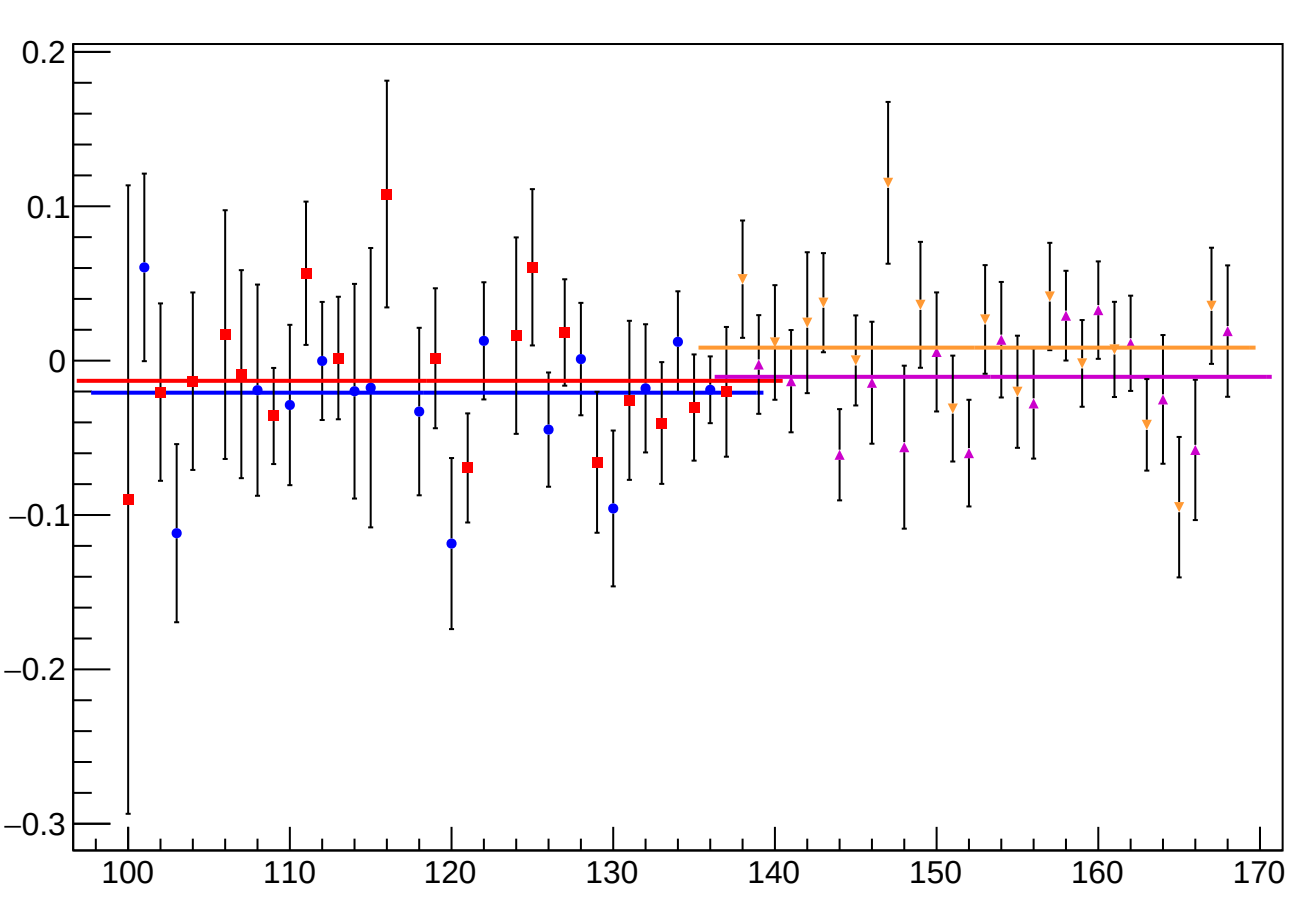
Left: 31.283+/-0.004 χ^2/NDF: 989551.0/30

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.659+/-0.005 χ^2/NDF:1857100.0/30

Out: 29.588+/-0.005 χ^2/NDF:1348020.4/34

All: 29.623+/-0.003 χ^2/NDF: 3205228.4/65



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.009 χ^2/NDF:12.5/14

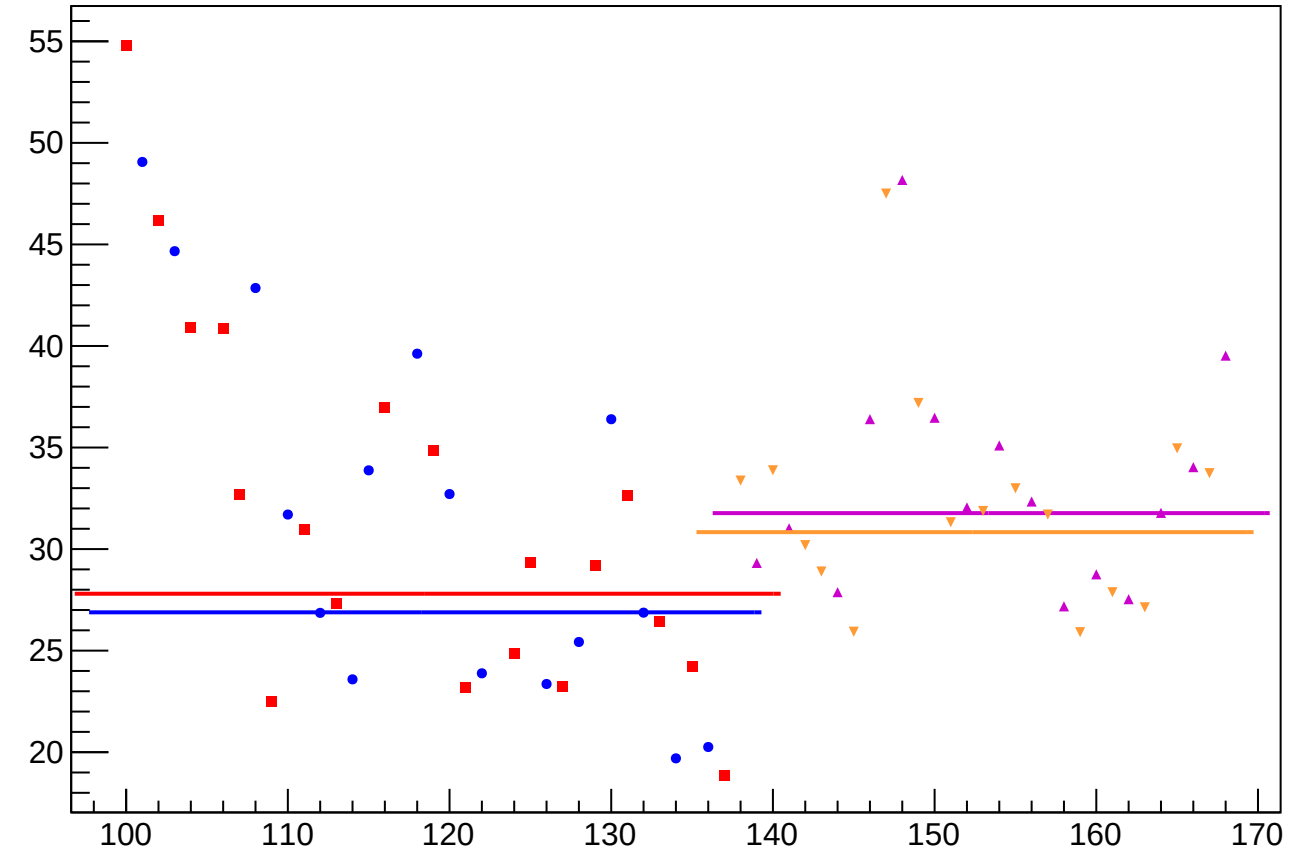
Left: -0.001+/-0.006 χ^2/NDF: 33.5/30

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:25.6/30

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 63.0/65



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487445.5/15

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.771+/-0.006 χ^2/NDF:491248.9/14

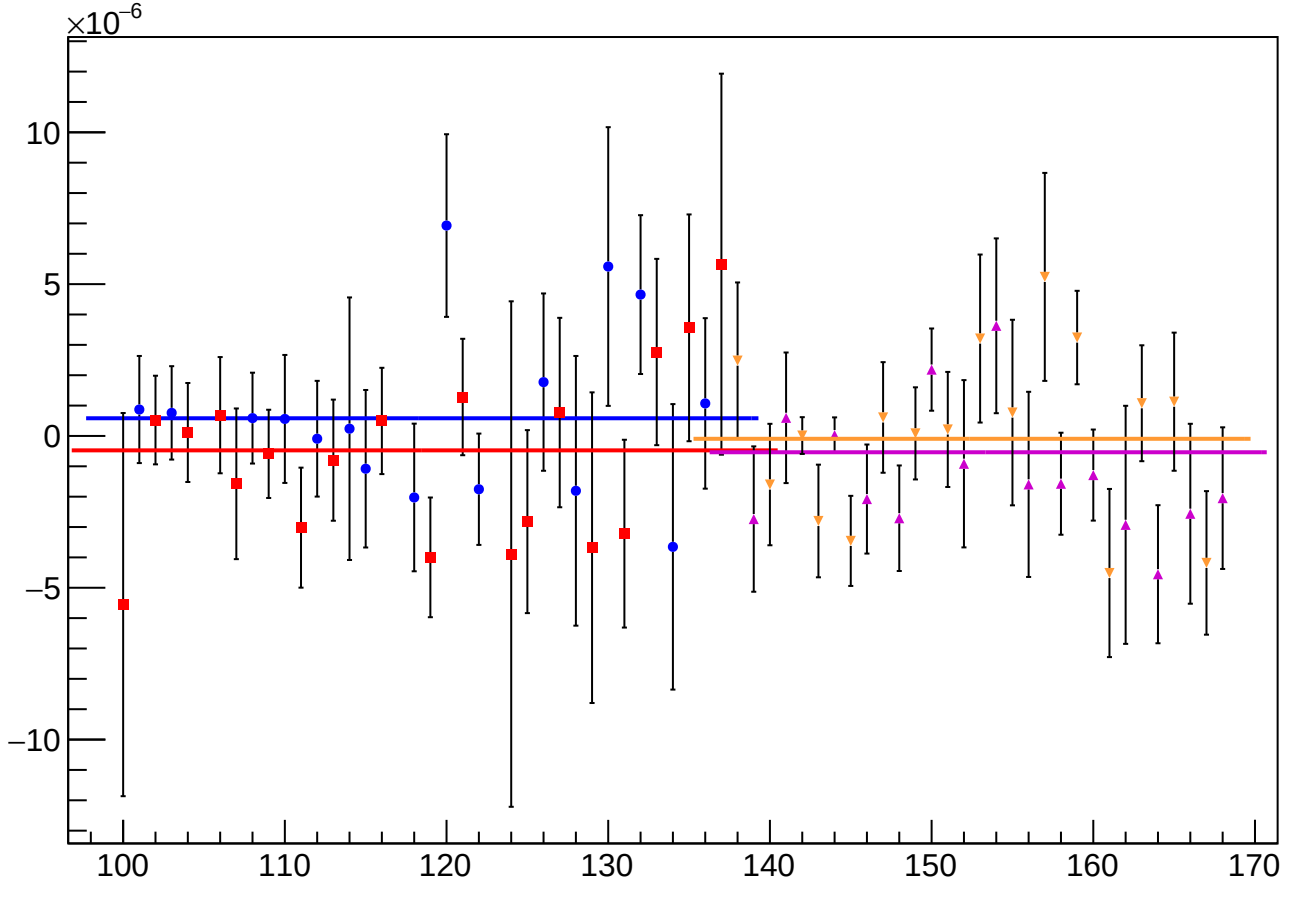
Left: 31.283+/-0.004 χ^2/NDF: 989551.0/30

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.659+/-0.005 χ^2/NDF:1857100.0/30

Out: 29.588+/-0.005 χ^2/NDF:1348020.4/34

All: 29.623+/-0.003 χ^2/NDF: 3205228.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/14

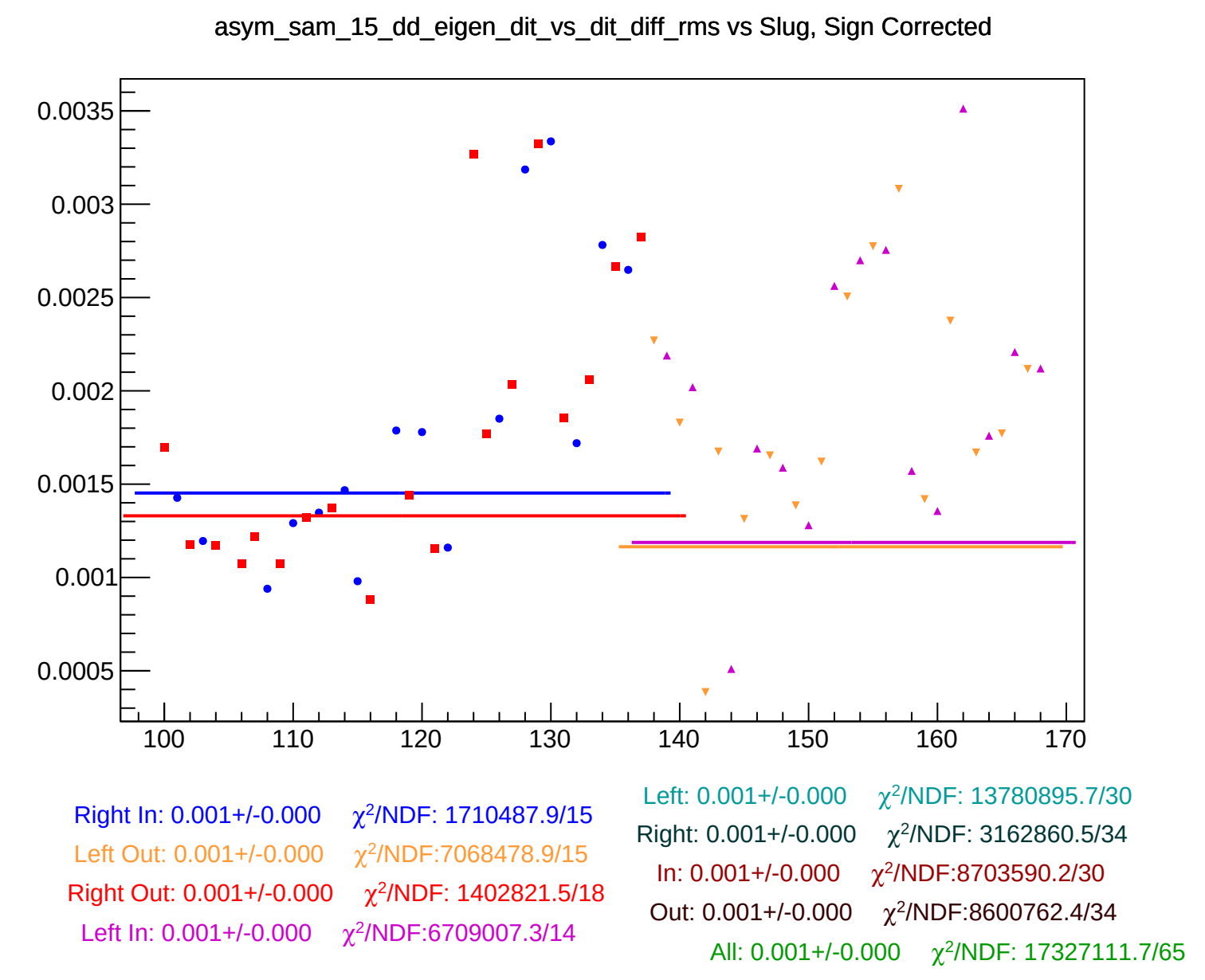
Left: -0.000+/-0.000 χ^2/NDF: 40.1/30

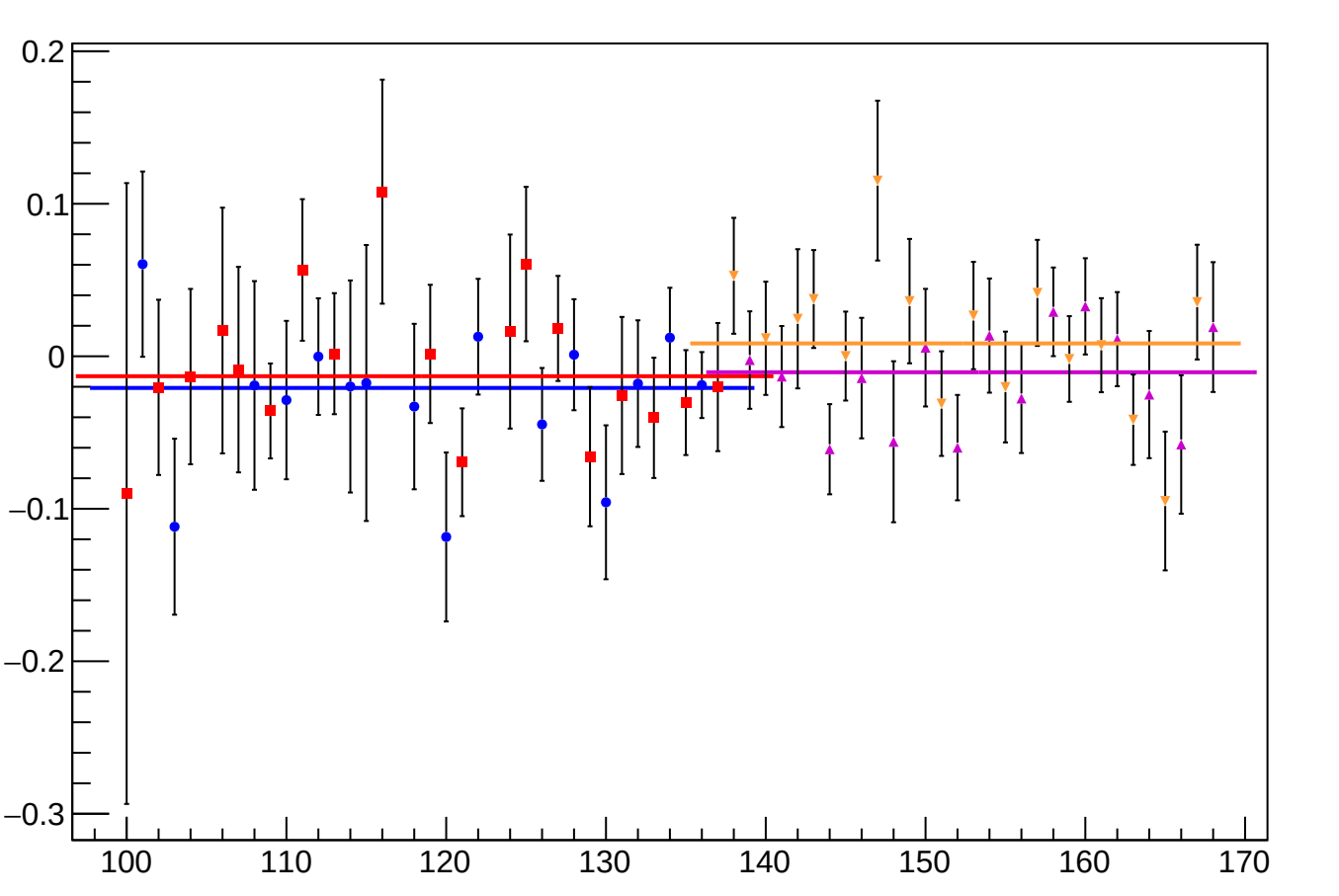
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

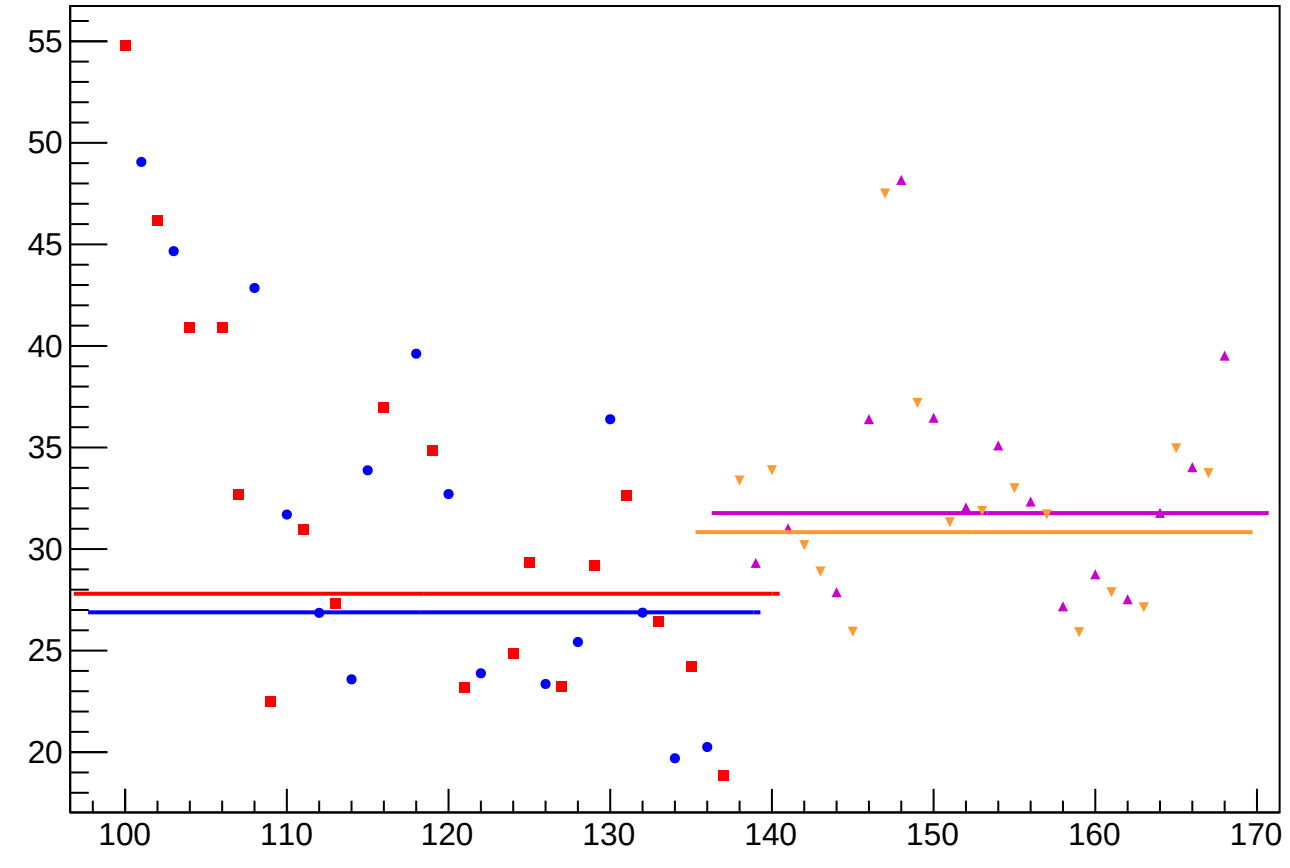
In: -0.000+/-0.000 χ^2/NDF:30.9/30

Out: -0.000+/-0.000 χ^2/NDF:37.4/34

All: -0.000+/-0.000 χ^2/NDF: 68.3/65


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:7068478.9/15
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6709007.3/14
Left: 0.001+/-0.000 χ²/NDF: 13780895.7/30
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8703590.2/30
Out: 0.001+/-0.000 χ²/NDF:8600762.4/34
All: 0.001+/-0.000 χ²/NDF: 17327111.7/65


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.008+/-0.009 χ²/NDF:18.8/15
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.010+/-0.009 χ²/NDF:12.5/14
Left: -0.001+/-0.006 χ²/NDF: 33.5/30
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.015+/-0.007 χ²/NDF:25.6/30
Out: -0.000+/-0.007 χ²/NDF:35.1/34
All: -0.008+/-0.005 χ²/NDF: 63.0/65



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.834+/-0.006 χ^2/NDF:487560.5/15

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.771+/-0.006 χ^2/NDF:491346.1/14

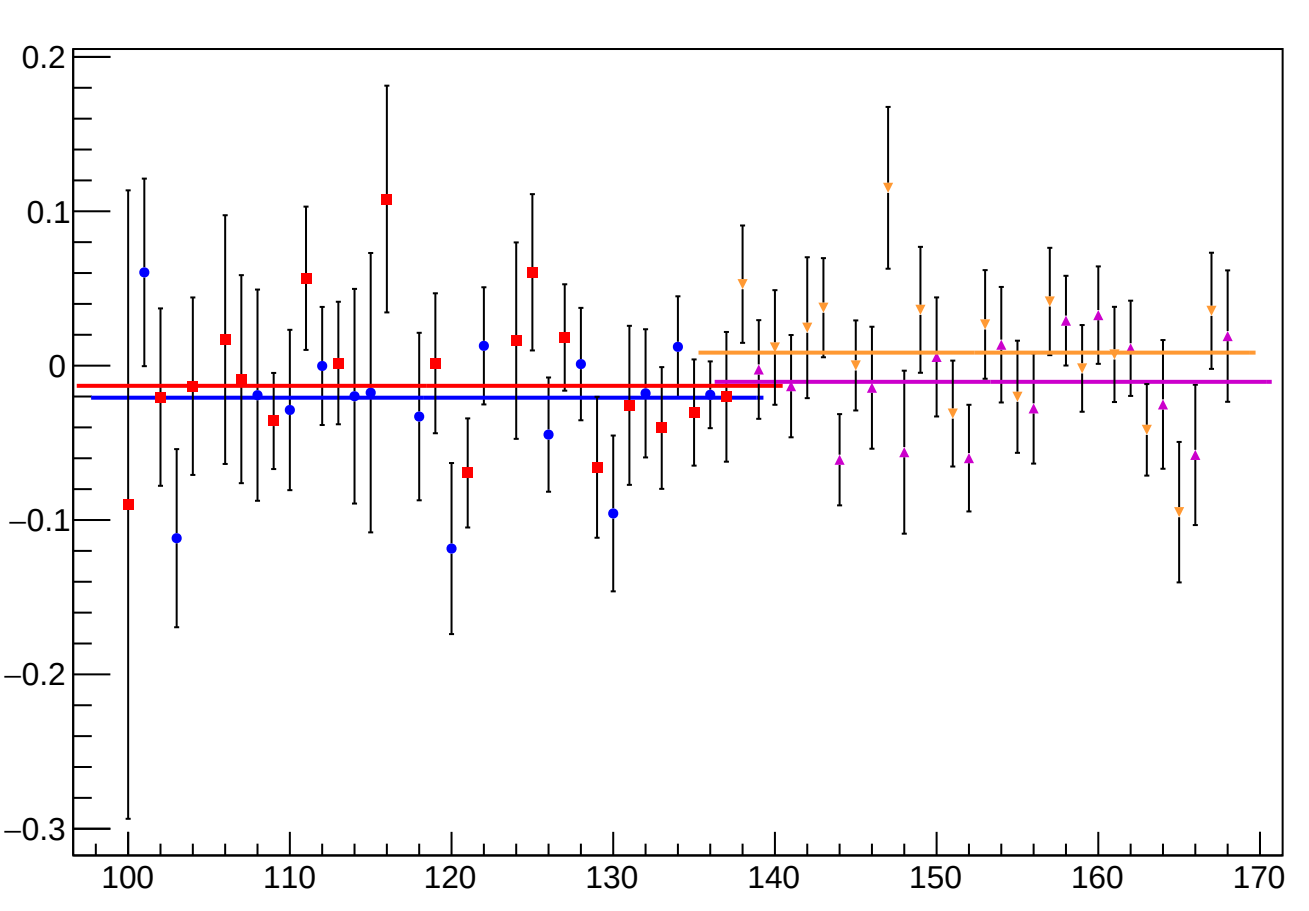
Left: 31.283+/-0.004 χ^2/NDF: 989764.1/30

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.658+/-0.005 χ^2/NDF:1857290.6/30

Out: 29.587+/-0.005 χ^2/NDF:1348323.8/34

All: 29.622+/-0.003 χ^2/NDF: 3205723.0/65



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.008+/-0.009 χ^2/NDF:18.8/15

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.009 χ^2/NDF:12.5/14

Left: -0.001+/-0.006 χ^2/NDF: 33.5/30

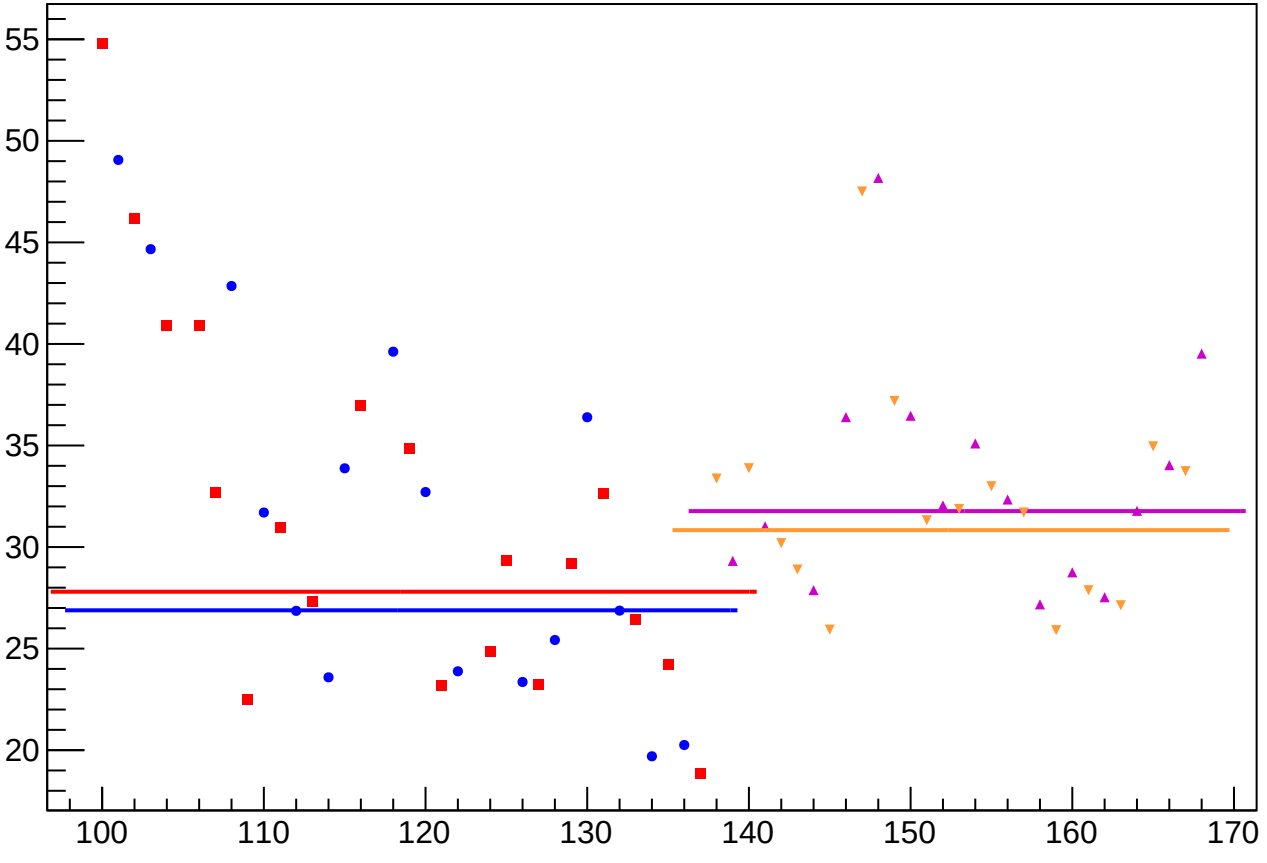
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:25.6/30

Out: -0.000+/-0.007 χ^2/NDF:35.1/34

All: -0.008+/-0.005 χ^2/NDF: 63.0/65

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: 30.834+/-0.006 χ^2/NDF:487560.5/15

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.771+/-0.006 χ^2/NDF:491346.1/14

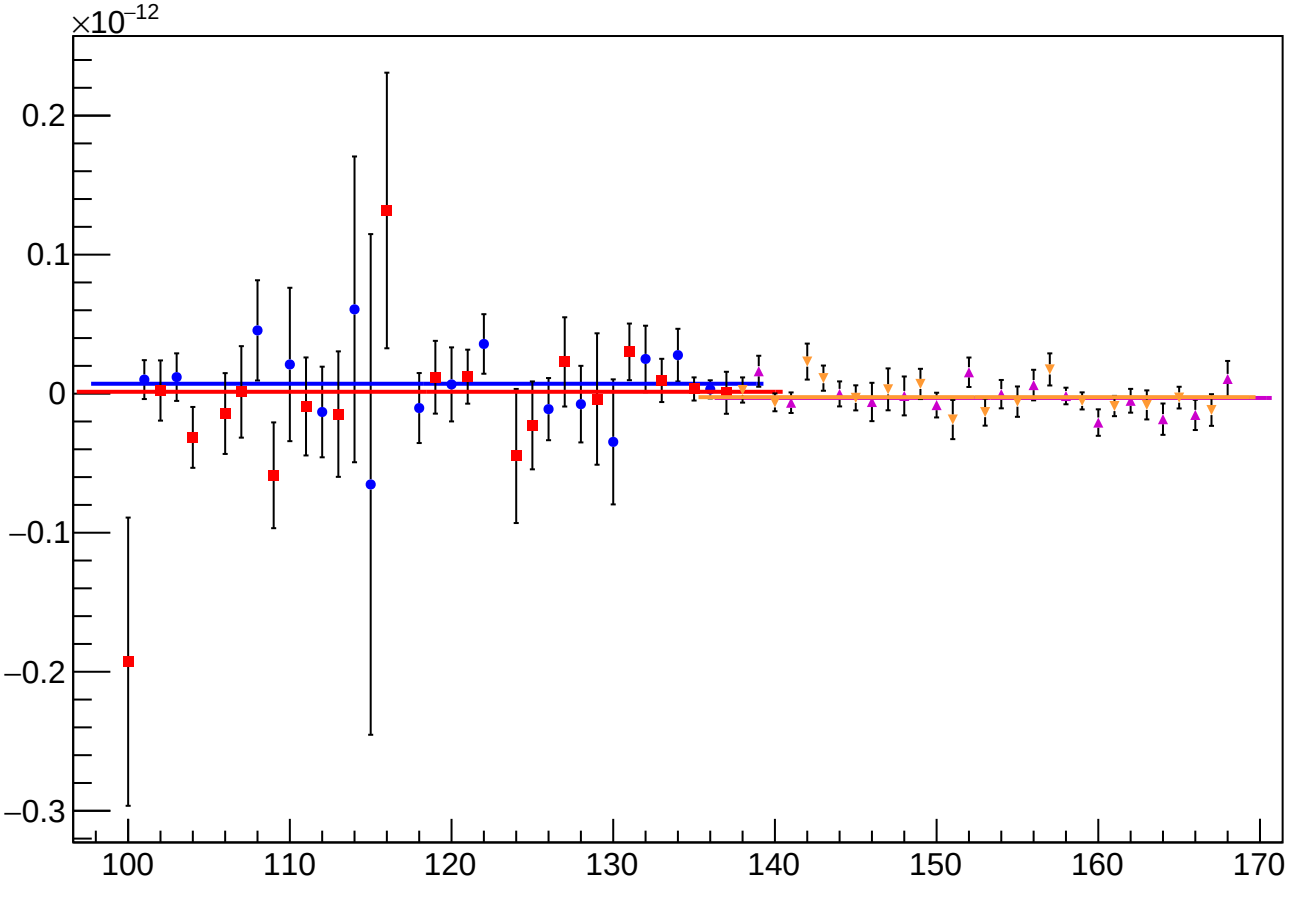
Left: 31.283+/-0.004 χ^2/NDF: 989764.1/30

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.658+/-0.005 χ^2/NDF:1857290.6/30

Out: 29.587+/-0.005 χ^2/NDF:1348323.8/34

All: 29.622+/-0.003 χ^2/NDF: 3205723.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/14

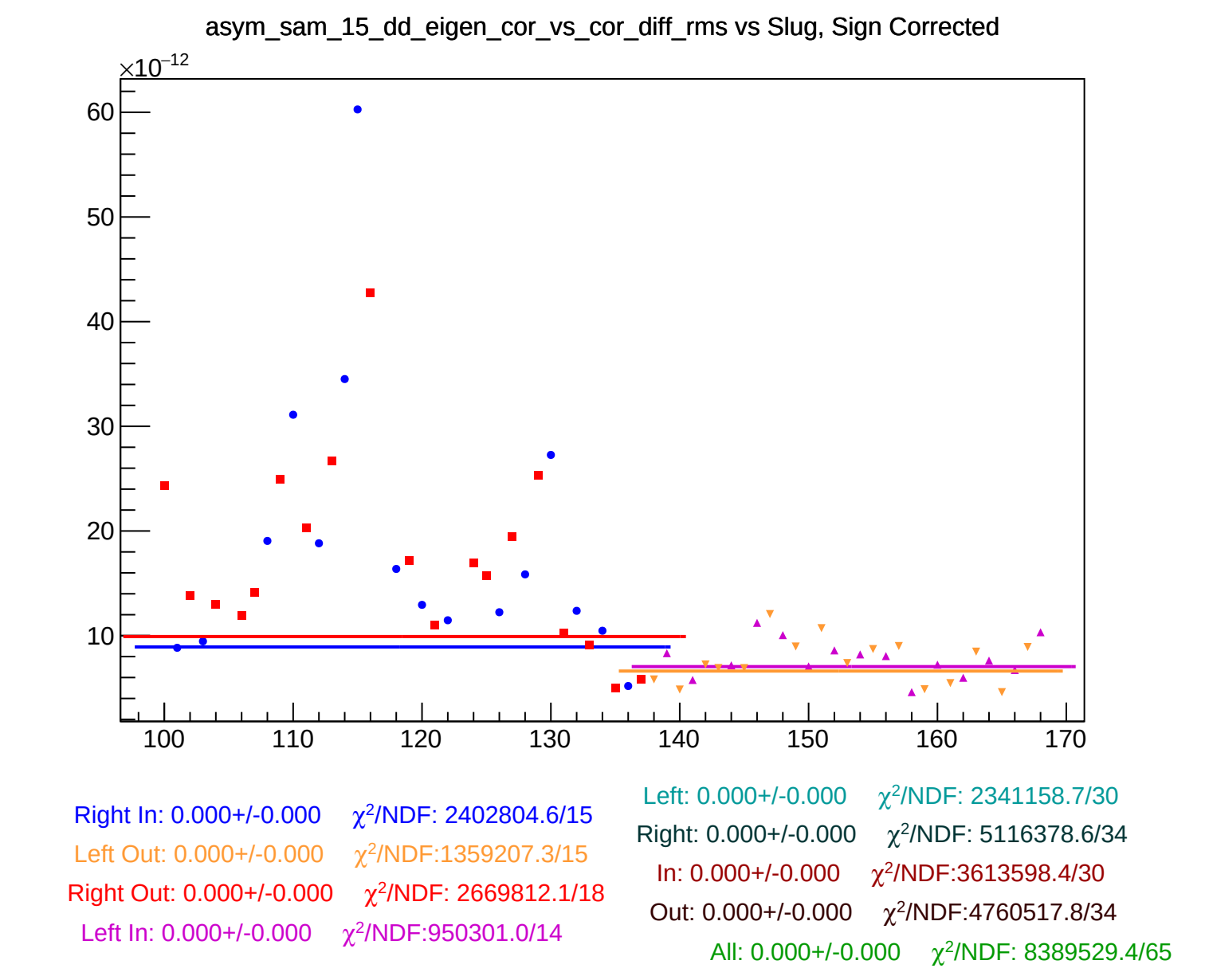
Left: -0.000+/-0.000 χ^2/NDF: 30.6/30

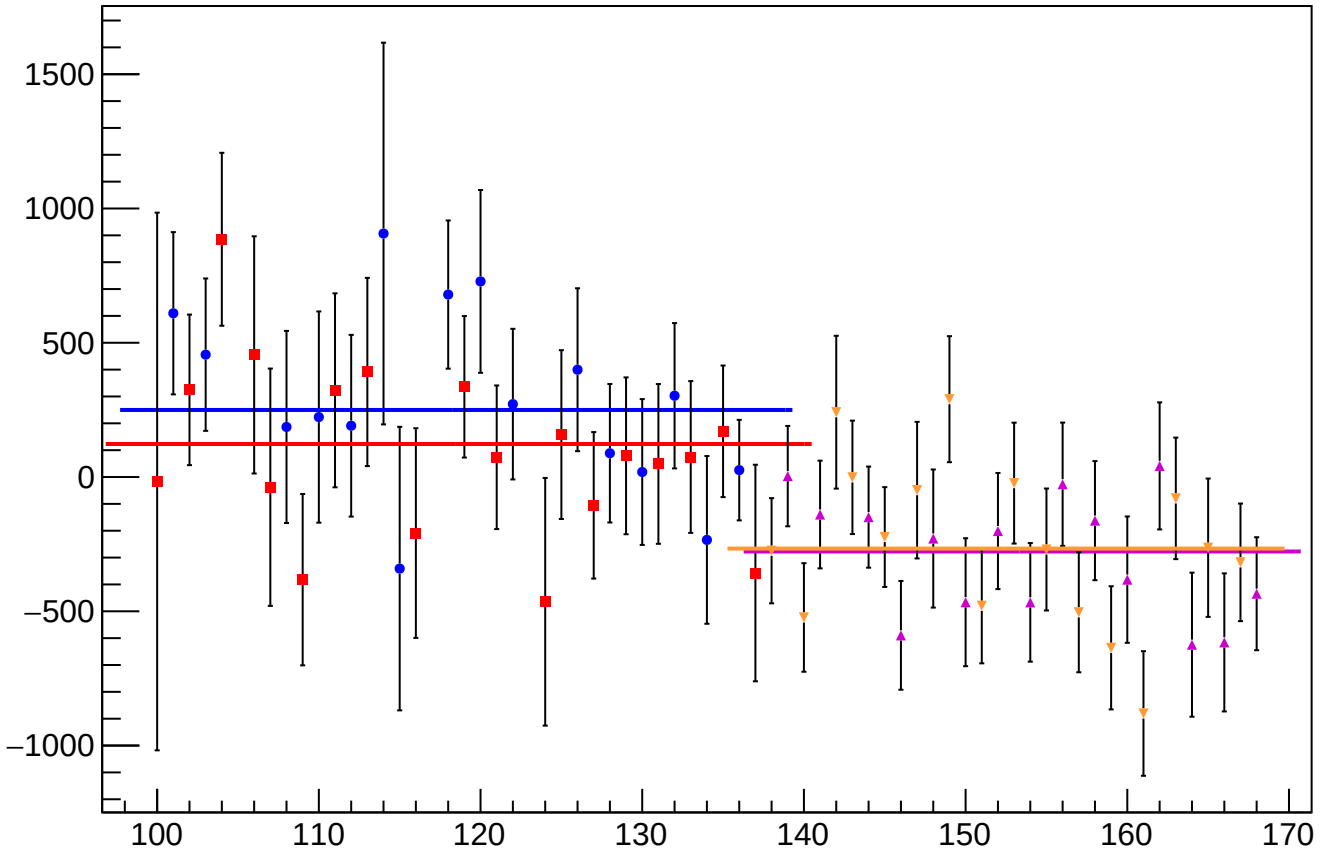
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/30

Out: -0.000+/-0.000 χ^2/NDF:31.0/34

All: -0.000+/-0.000 χ^2/NDF: 58.6/65


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1359207.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:950301.0/14
Left: 0.000+/-0.000 χ²/NDF: 2341158.7/30
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3613598.4/30
Out: 0.000+/-0.000 χ²/NDF:4760517.8/34
All: 0.000+/-0.000 χ²/NDF: 8389529.4/65



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.471+/-55.739 χ^2/NDF:26.4/15

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -277.318+/-57.022 χ^2/NDF:14.5/14

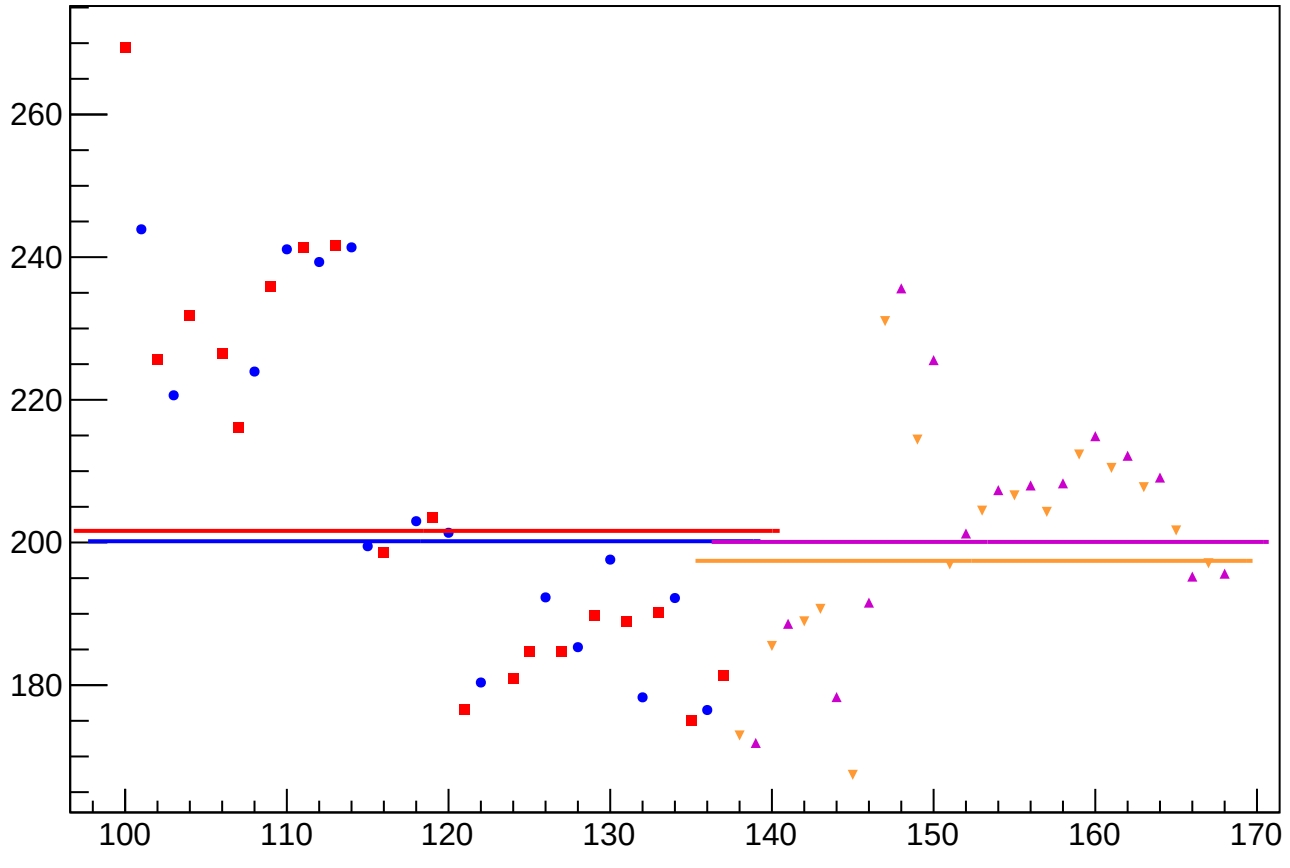
Left: -271.771+/-39.859 χ^2/NDF: 41.0/30

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -83.844+/-45.365 χ^2/NDF:59.6/30

Out: -126.388+/-44.602 χ^2/NDF:59.5/34

All: -105.477+/-31.805 χ^2/NDF: 119.6/65



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

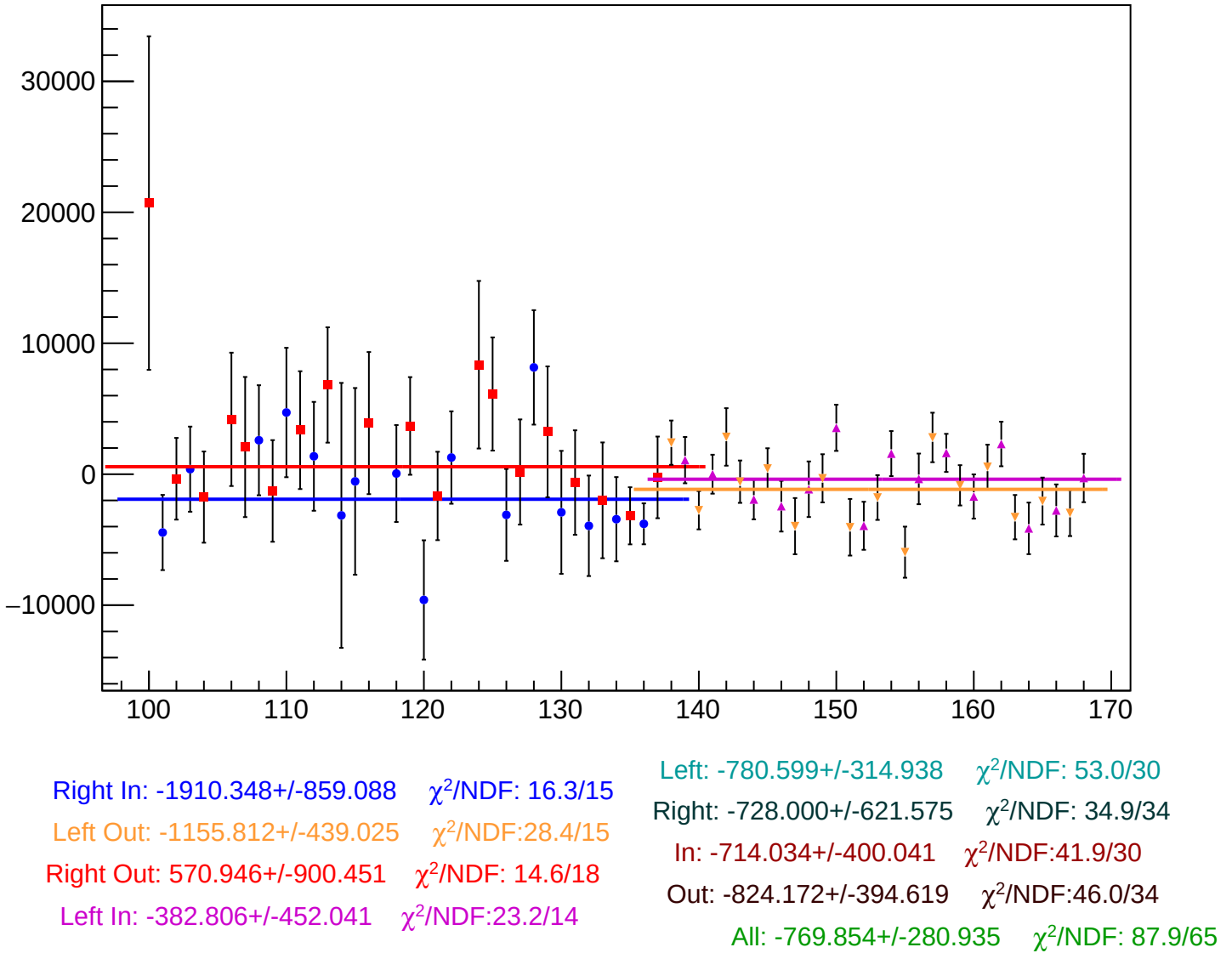
Left: 198.723+/-0.028 χ^2/NDF: 336086.3/30

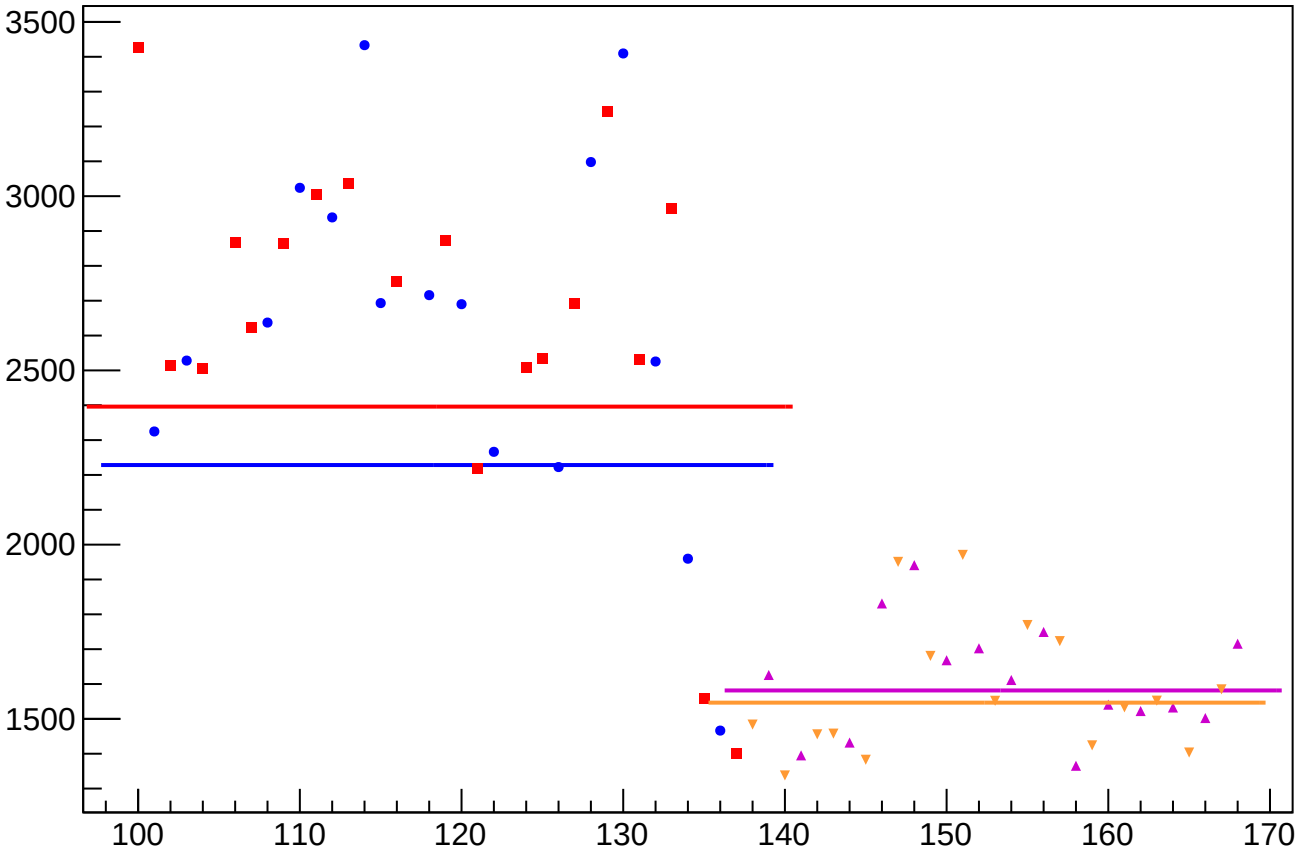
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.115+/-0.032 χ^2/NDF:348713.7/30

Out: 198.938+/-0.032 χ^2/NDF:367494.7/34

All: 199.516+/-0.022 χ^2/NDF: 716892.1/65


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -1155.812+/-439.025 χ²/NDF:28.4/15
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: -382.806+/-452.041 χ²/NDF:23.2/14
Left: -780.599+/-314.938 χ²/NDF: 53.0/30
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -714.034+/-400.041 χ²/NDF:41.9/30
Out: -824.172+/-394.619 χ²/NDF:46.0/34
All: -769.854+/-280.935 χ²/NDF: 87.9/65



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1546.562+/-0.310 χ^2/NDF:303919.2/15

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1581.560+/-0.320 χ^2/NDF:234627.0/14

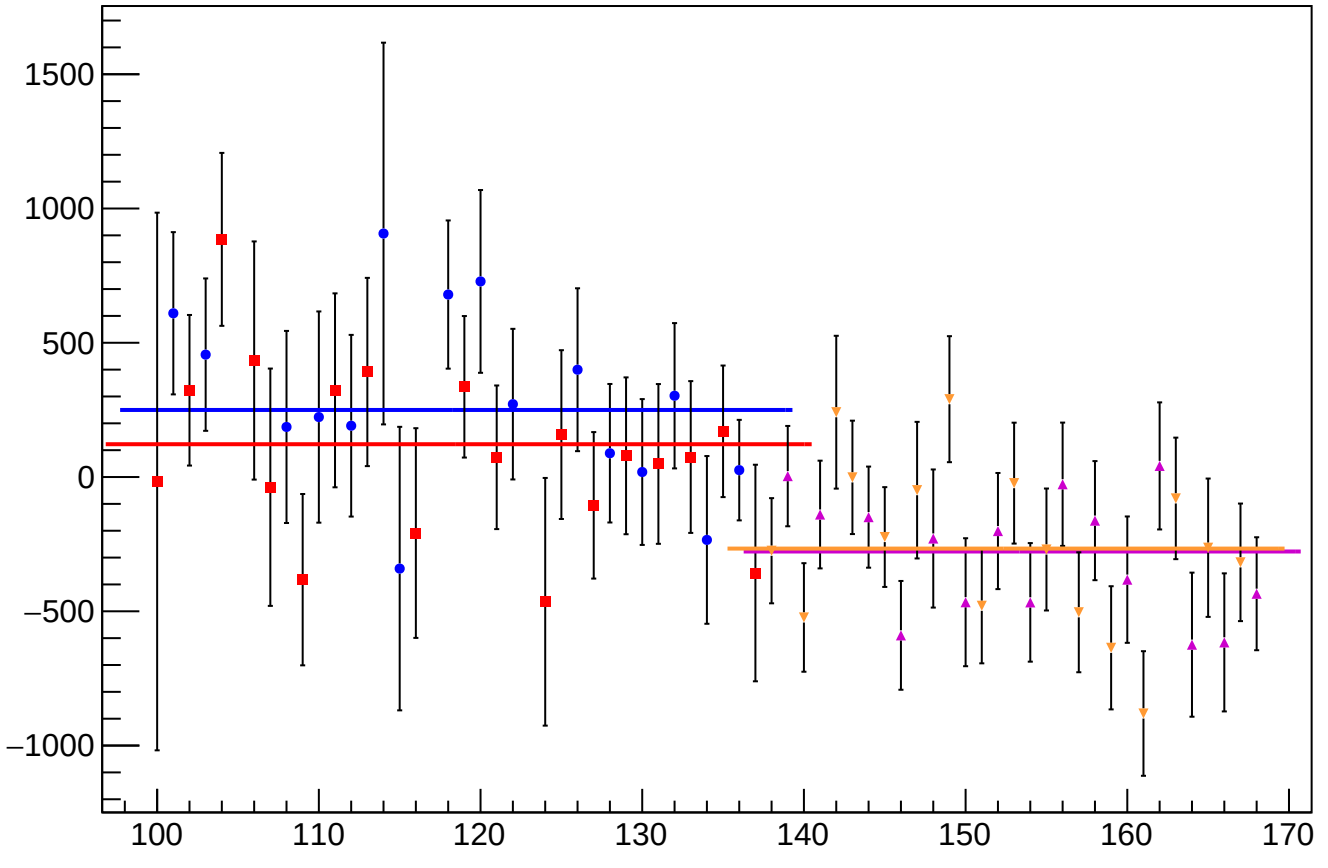
Left: 1563.550+/-0.223 χ^2/NDF: 544715.3/30

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1721.825+/-0.283 χ^2/NDF:2070343.7/30

Out: 1709.720+/-0.279 χ^2/NDF:2541608.1/34

All: 1715.690+/-0.199 χ^2/NDF: 4612879.9/65



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -266.465+/-55.739 χ^2/NDF:26.4/15

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -277.319+/-57.022 χ^2/NDF:14.5/14

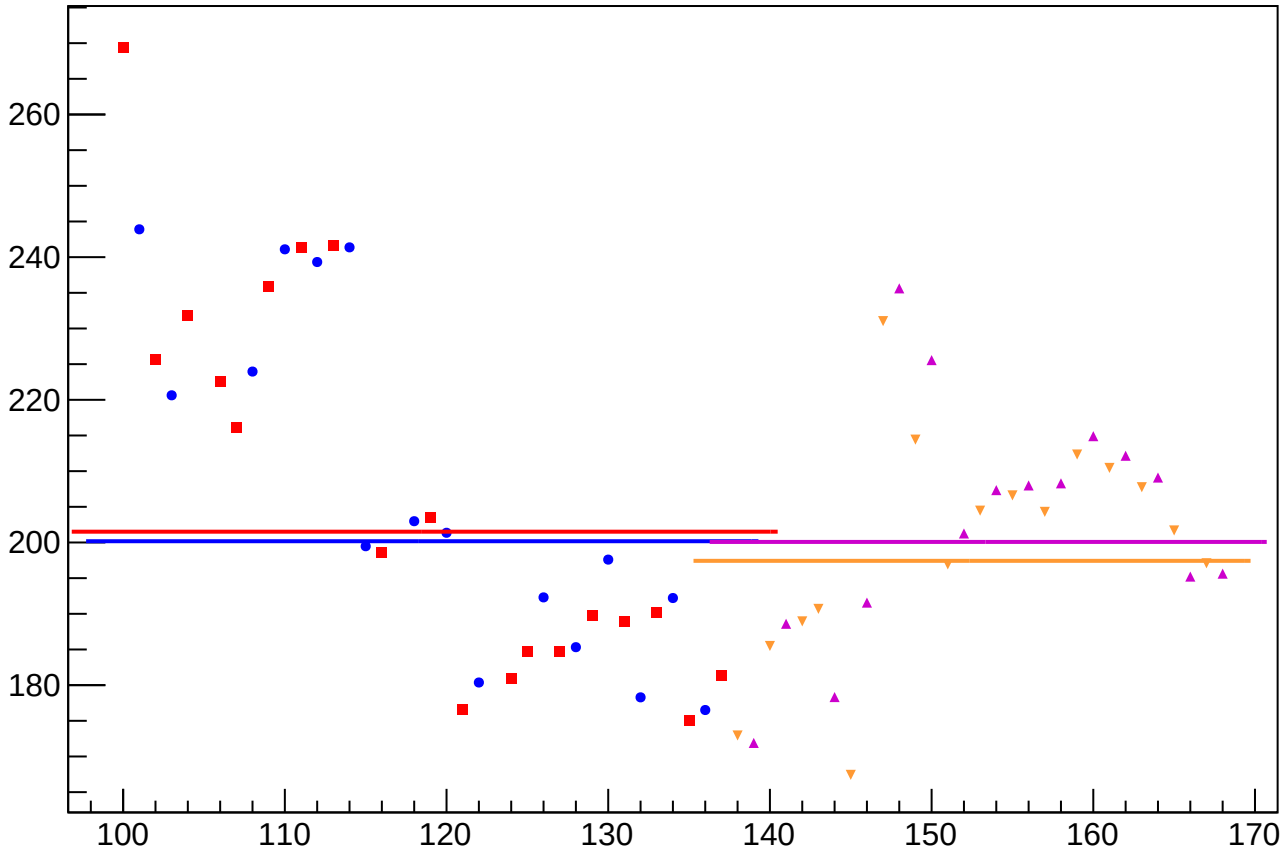
Left: -271.769+/-39.859 χ^2/NDF: 41.0/30

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -83.843+/-45.365 χ^2/NDF:59.7/30

Out: -126.691+/-44.604 χ^2/NDF:59.4/34

All: -105.630+/-31.806 χ^2/NDF: 119.5/65



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

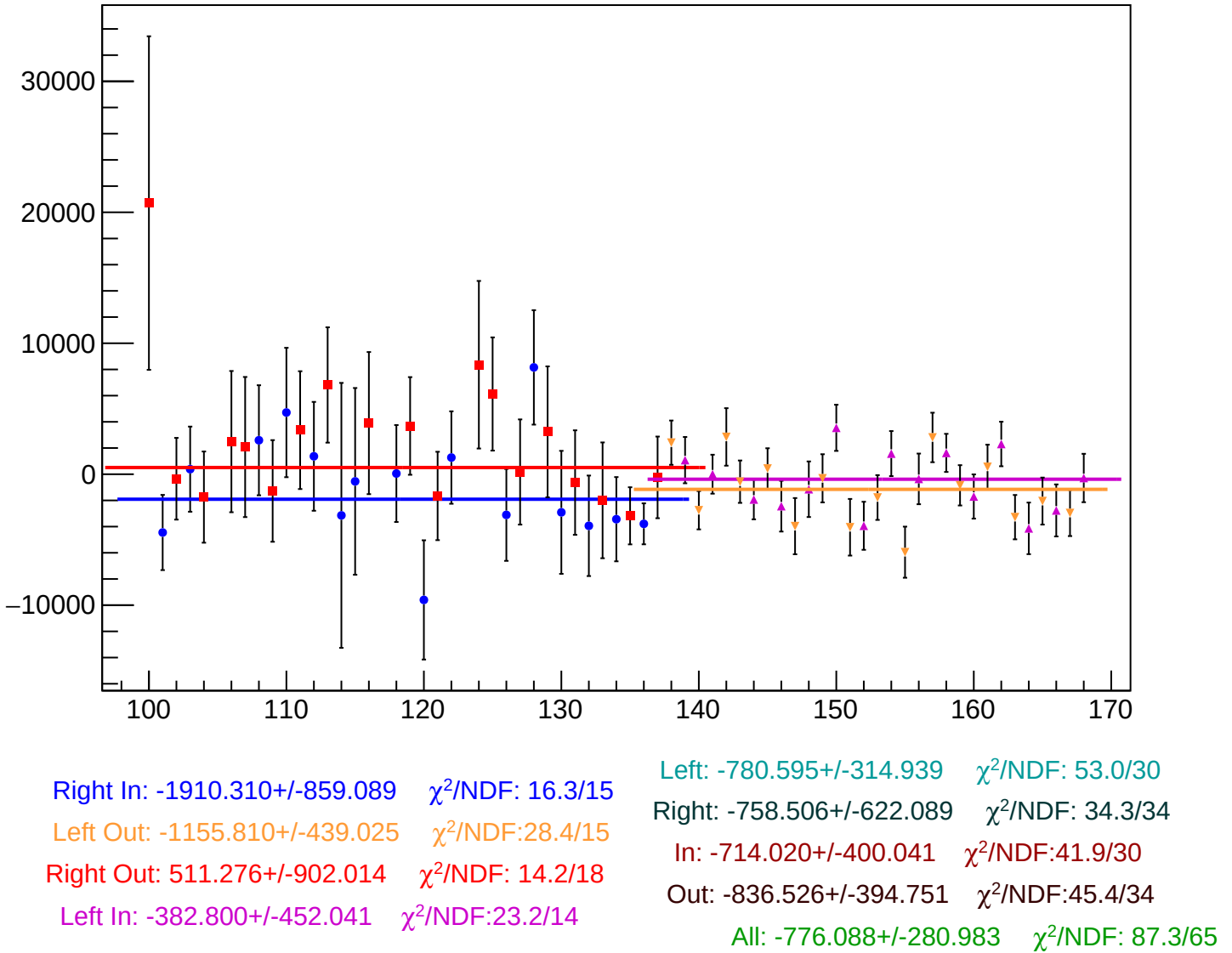
Left: 198.723+/-0.028 χ^2/NDF: 336086.3/30

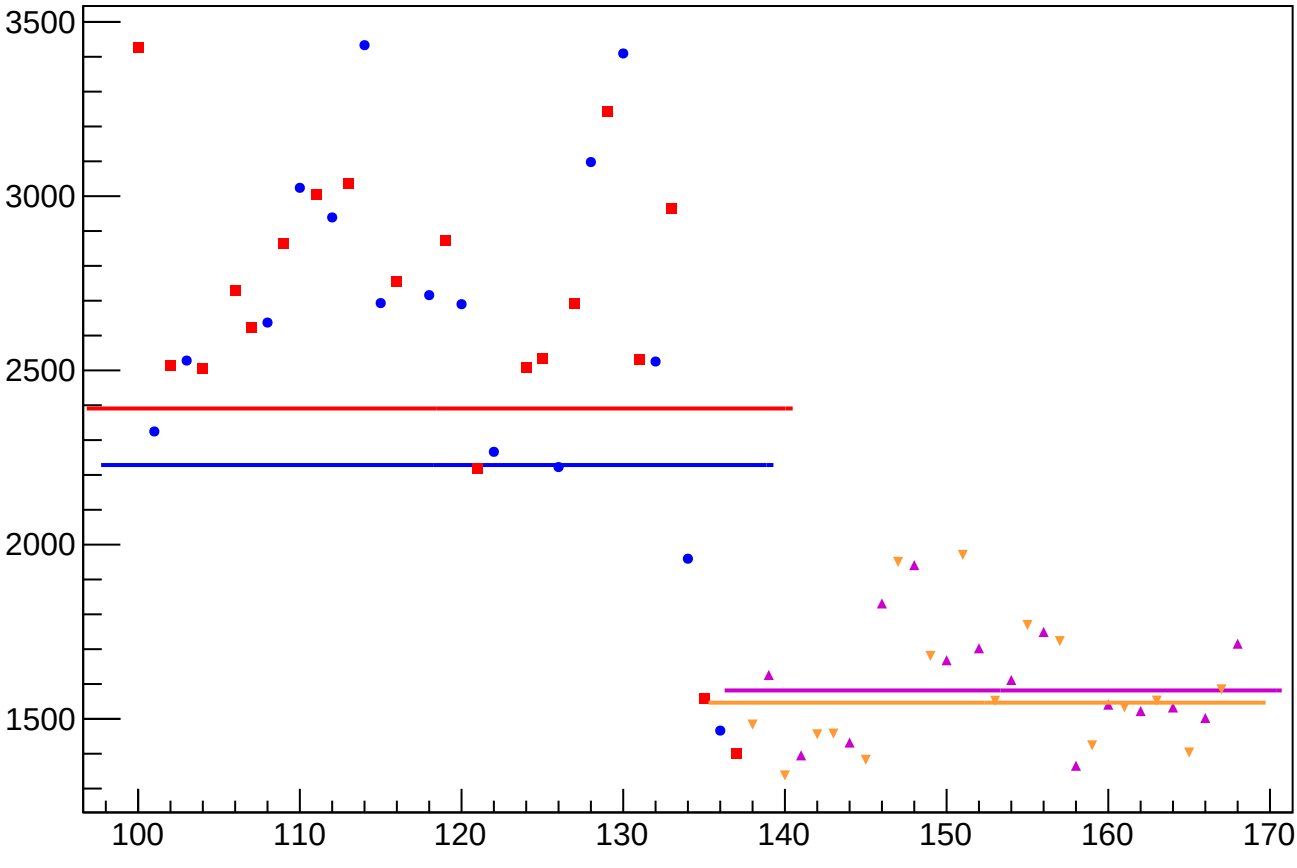
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.115+/-0.032 χ^2/NDF:348714.0/30

Out: 198.897+/-0.032 χ^2/NDF:365463.1/34

All: 199.496+/-0.022 χ^2/NDF: 714909.1/65


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -1155.810+/-439.025 χ²/NDF:28.4/15
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -382.800+/-452.041 χ²/NDF:23.2/14
Left: -780.595+/-314.939 χ²/NDF: 53.0/30
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -714.020+/-400.041 χ²/NDF:41.9/30
Out: -836.526+/-394.751 χ²/NDF:45.4/34
All: -776.088+/-280.983 χ²/NDF: 87.3/65



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1581.561+/-0.320 χ^2/NDF:234627.6/14

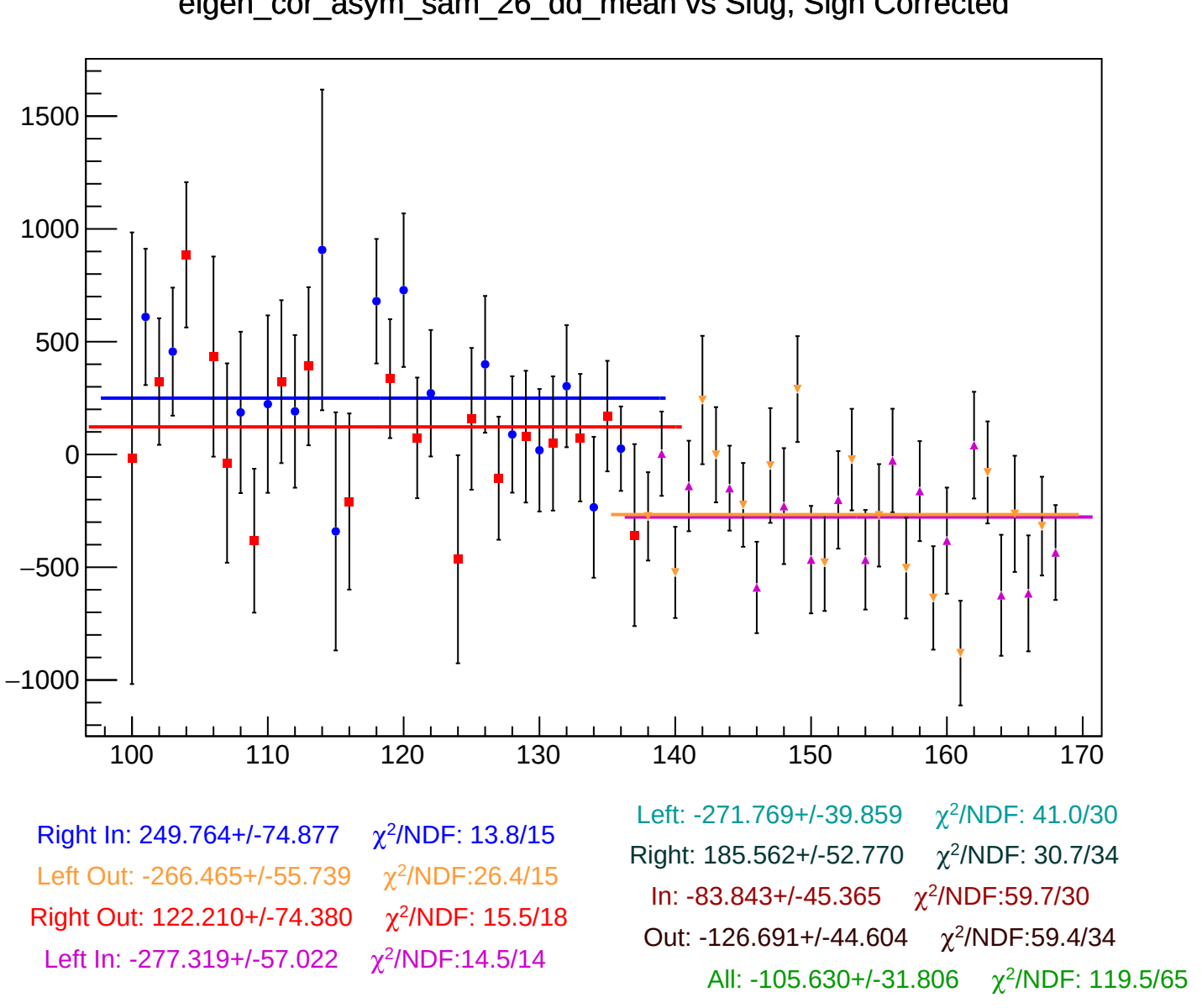
Left: 1563.550+/-0.223 χ^2/NDF: 544716.1/30

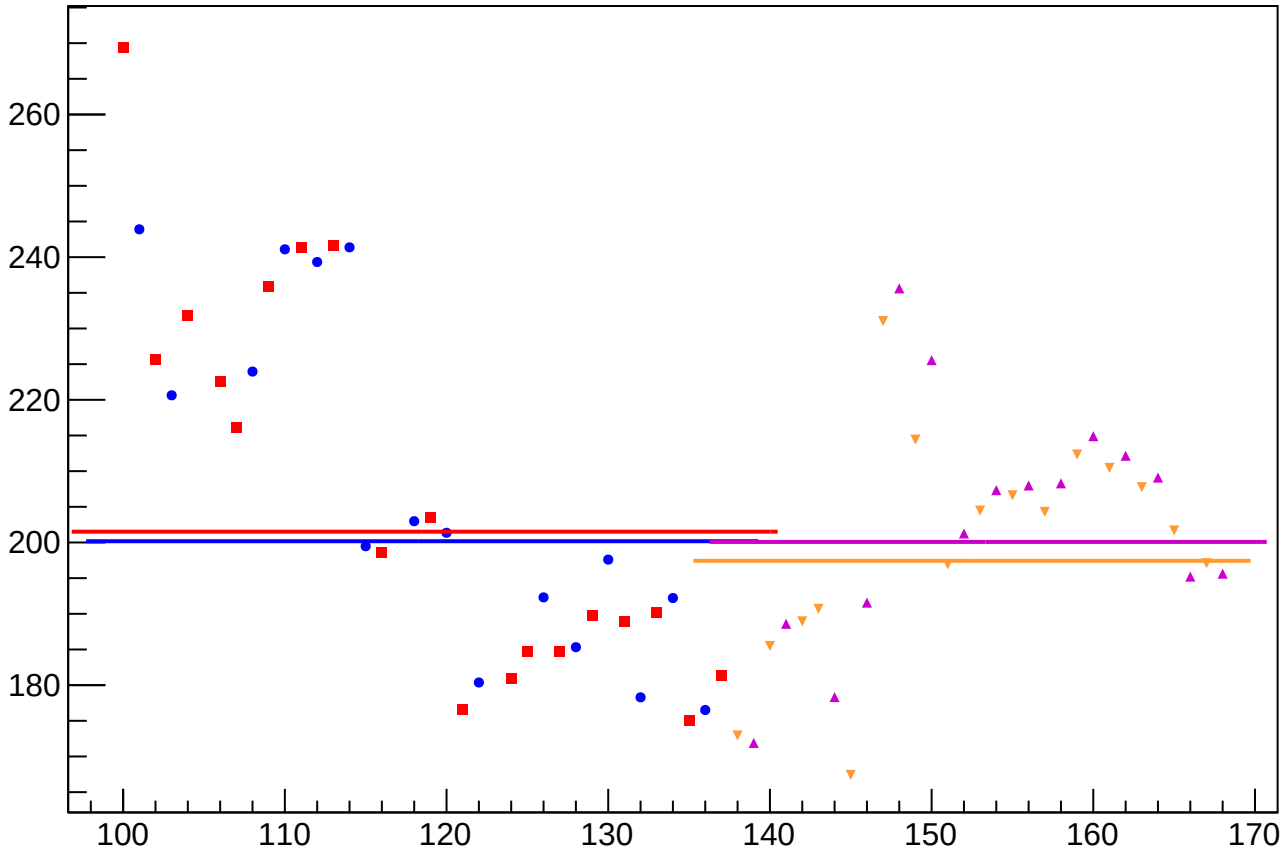
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1721.827+/-0.283 χ^2/NDF:2070353.9/30

Out: 1708.240+/-0.279 χ^2/NDF:2510139.2/34

All: 1714.943+/-0.199 χ^2/NDF: 4581662.0/65


eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -266.465+/-55.739 χ²/NDF:26.4/15
Right Out: 122.210+/-74.380 χ²/NDF: 15.5/18
Left In: -277.319+/-57.022 χ²/NDF:14.5/14
Left: -271.769+/-39.859 χ²/NDF: 41.0/30
Right: 185.562+/-52.770 χ²/NDF: 30.7/34
In: -83.843+/-45.365 χ²/NDF:59.7/30
Out: -126.691+/-44.604 χ²/NDF:59.4/34
All: -105.630+/-31.806 χ²/NDF: 119.5/65



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.428+/-0.039 χ^2/NDF:166166.3/15

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.079+/-0.040 χ^2/NDF:167710.1/14

Left: 198.723+/-0.028 χ^2/NDF: 336086.3/30

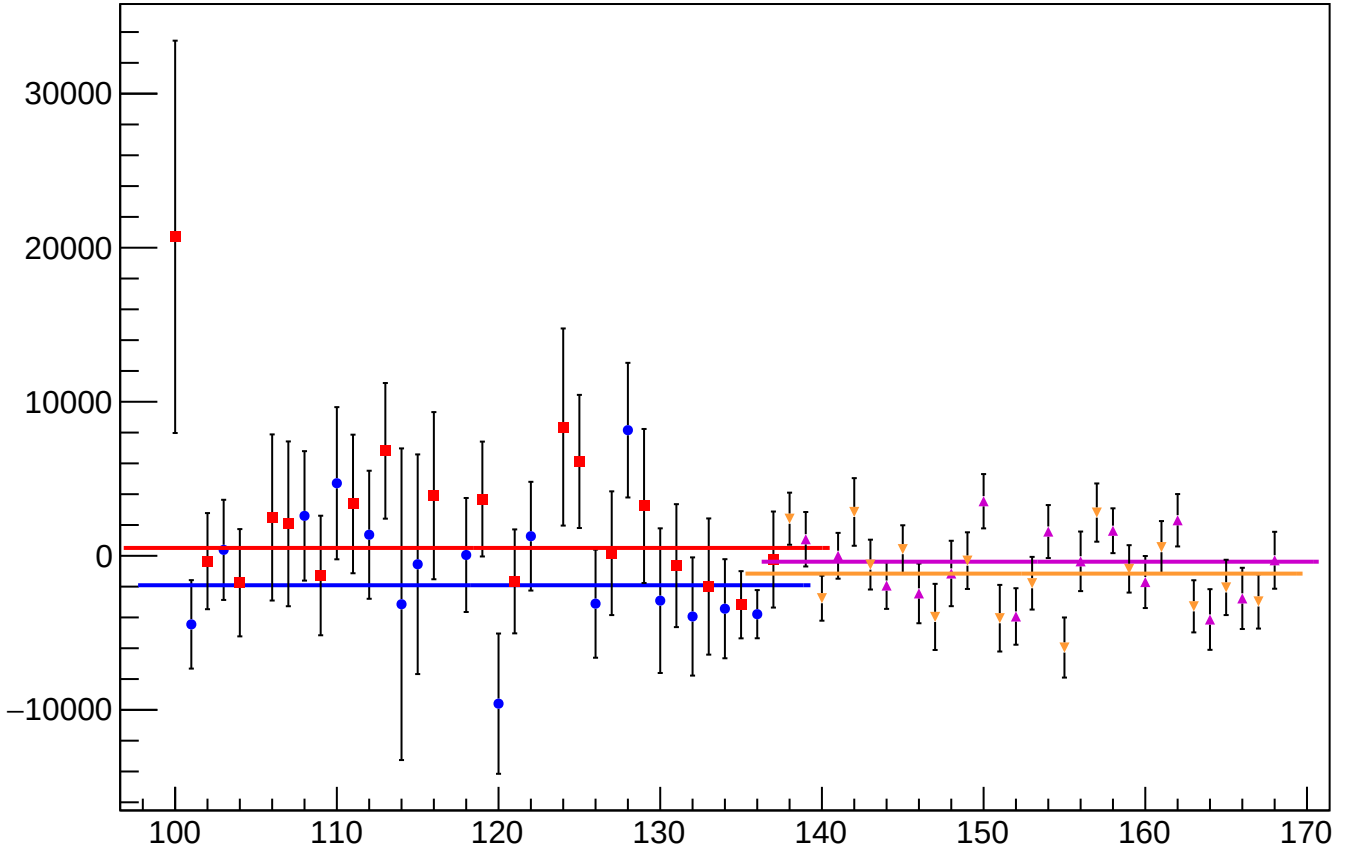
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.115+/-0.032 χ^2/NDF:348714.0/30

Out: 198.897+/-0.032 χ^2/NDF:365463.1/34

All: 199.496+/-0.022 χ^2/NDF: 714909.1/65

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1155.810+/-439.025 χ^2/NDF:28.4/15

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -382.800+/-452.041 χ^2/NDF:23.2/14

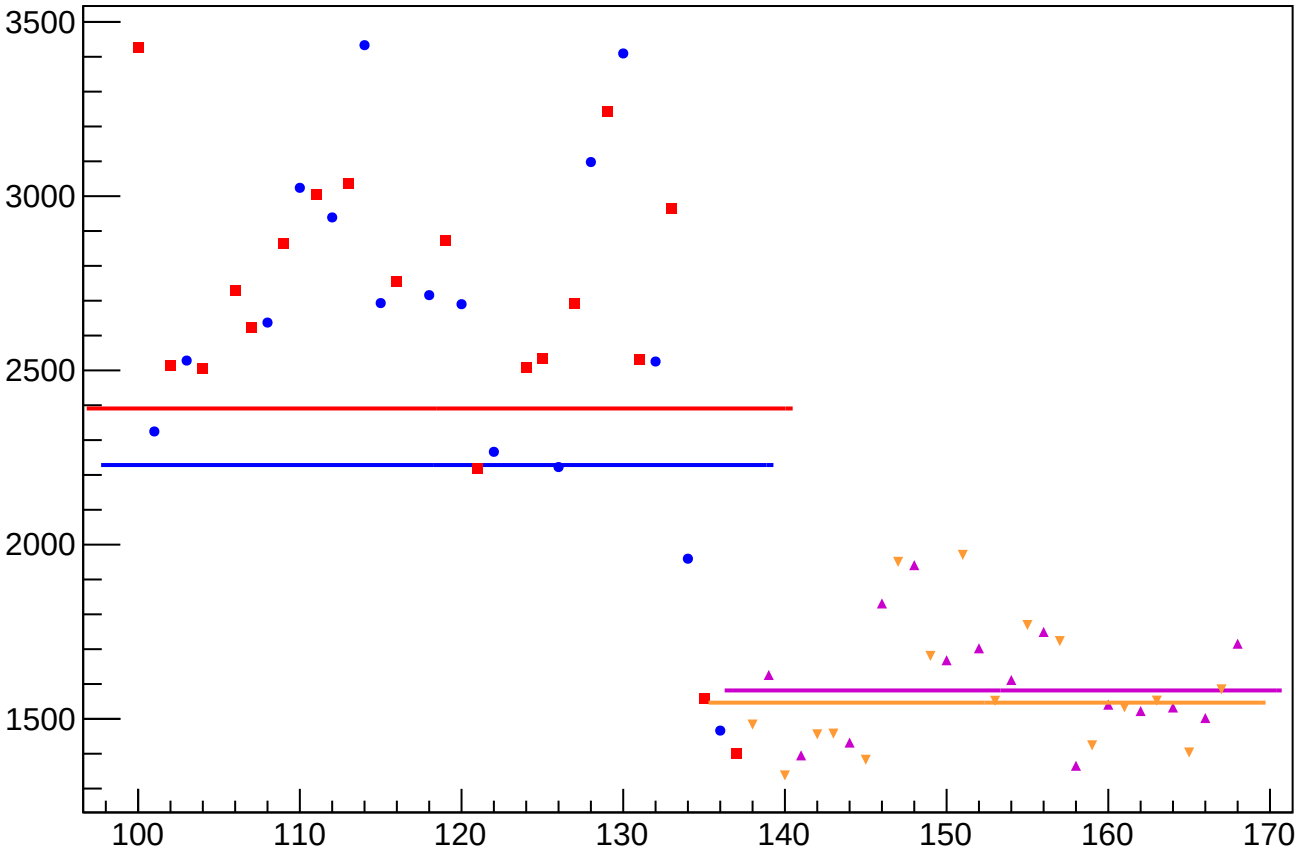
Left: -780.595+/-314.939 χ^2/NDF: 53.0/30

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -714.020+/-400.041 χ^2/NDF:41.9/30

Out: -836.526+/-394.751 χ^2/NDF:45.4/34

All: -776.088+/-280.983 χ^2/NDF: 87.3/65



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1546.563+/-0.310 χ^2/NDF:303919.3/15

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1581.561+/-0.320 χ^2/NDF:234627.6/14

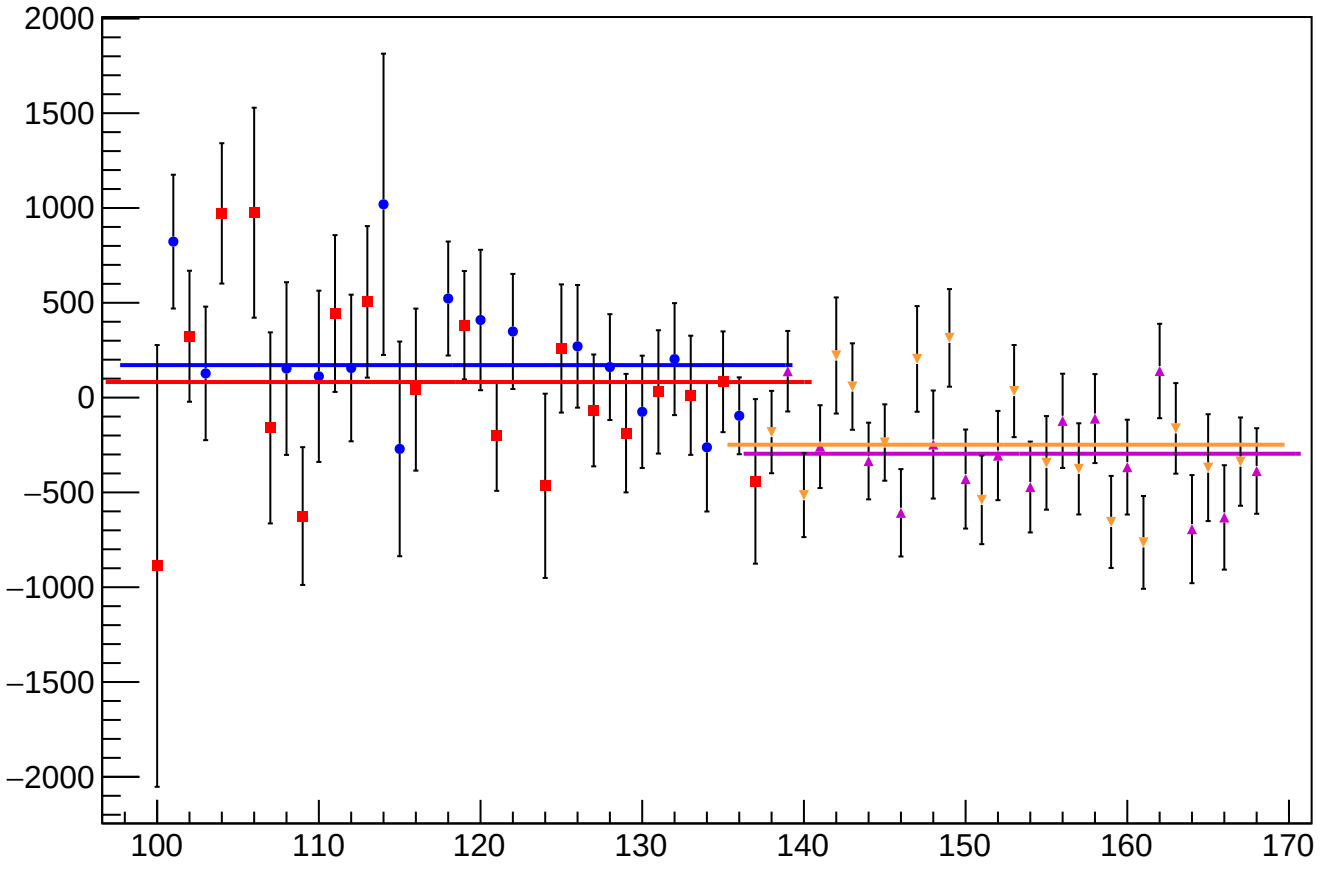
Left: 1563.550+/-0.223 χ^2/NDF: 544716.1/30

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1721.827+/-0.283 χ^2/NDF:2070353.9/30

Out: 1708.240+/-0.279 χ^2/NDF:2510139.2/34

All: 1714.943+/-0.199 χ^2/NDF: 4581662.0/65



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -248.376+/-60.266 χ^2/NDF:24.2/15

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -296.037+/-61.955 χ^2/NDF:14.8/14

Left: -271.548+/-43.199 χ^2/NDF: 39.3/30

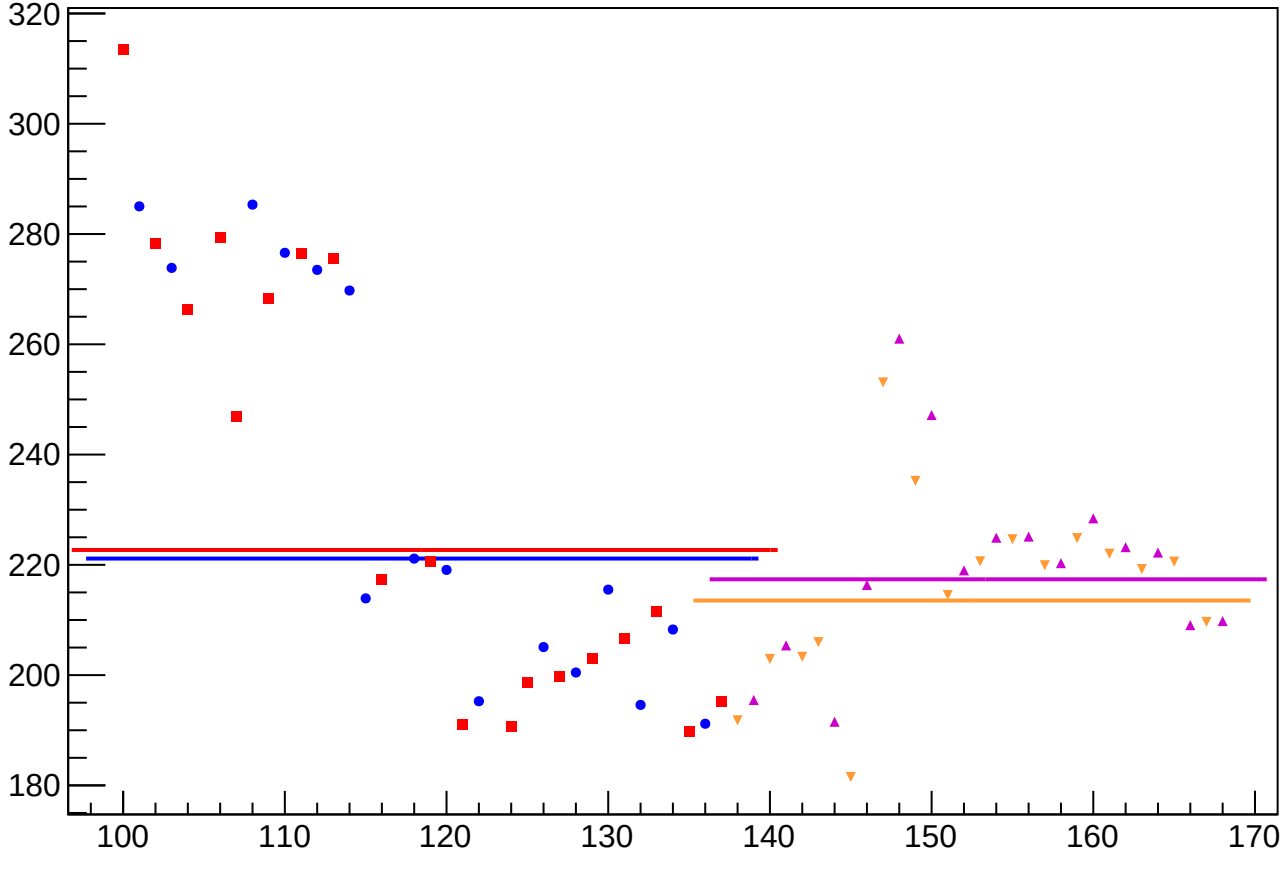
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -129.131+/-49.673 χ^2/NDF:46.6/30

Out: -133.451+/-48.674 χ^2/NDF:56.3/34

All: -131.335+/-34.766 χ^2/NDF: 102.8/65

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.527+/-0.043 χ^2/NDF:150930.9/15

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.377+/-0.044 χ^2/NDF:146927.9/14

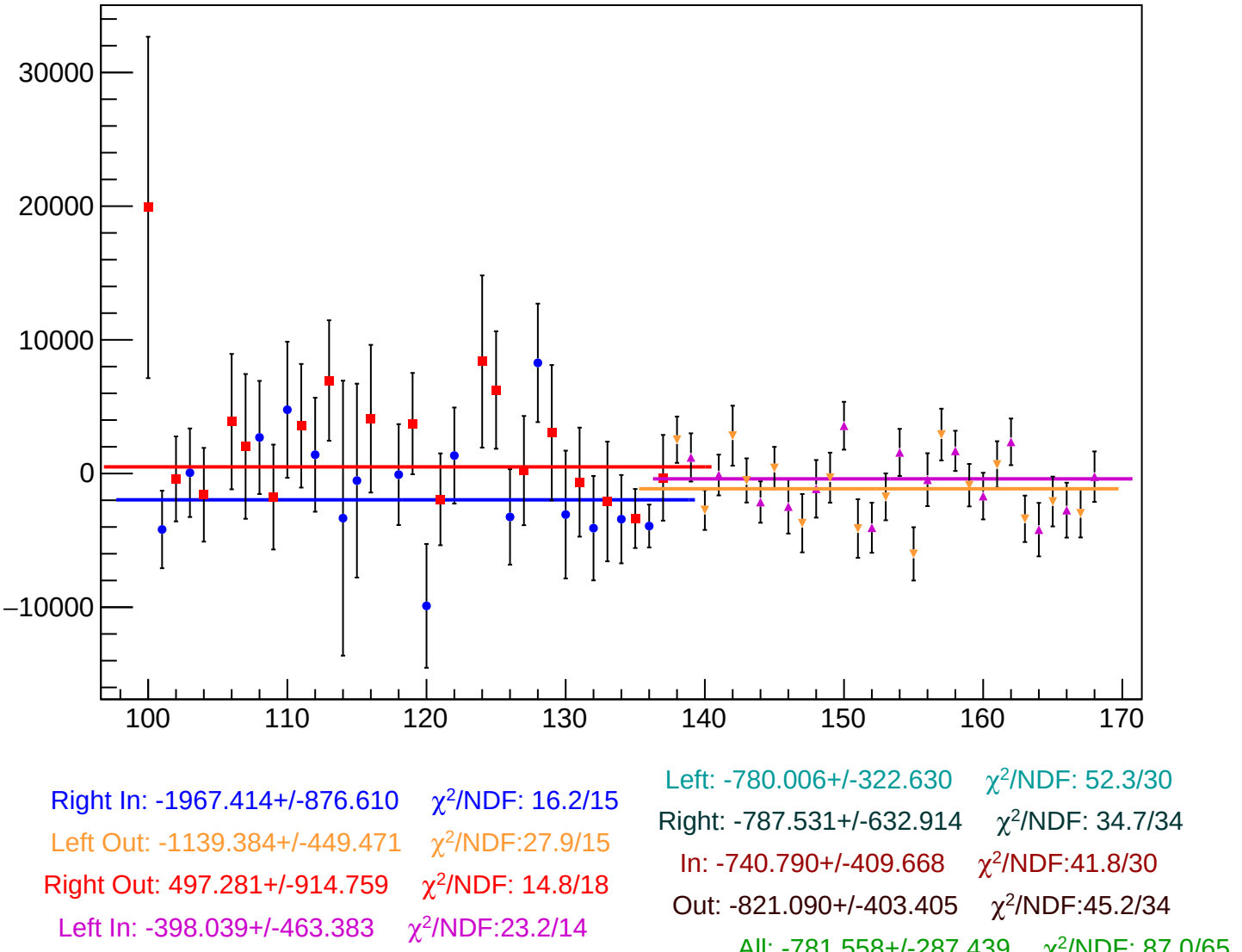
Left: 215.399+/-0.031 χ^2/NDF: 301825.6/30

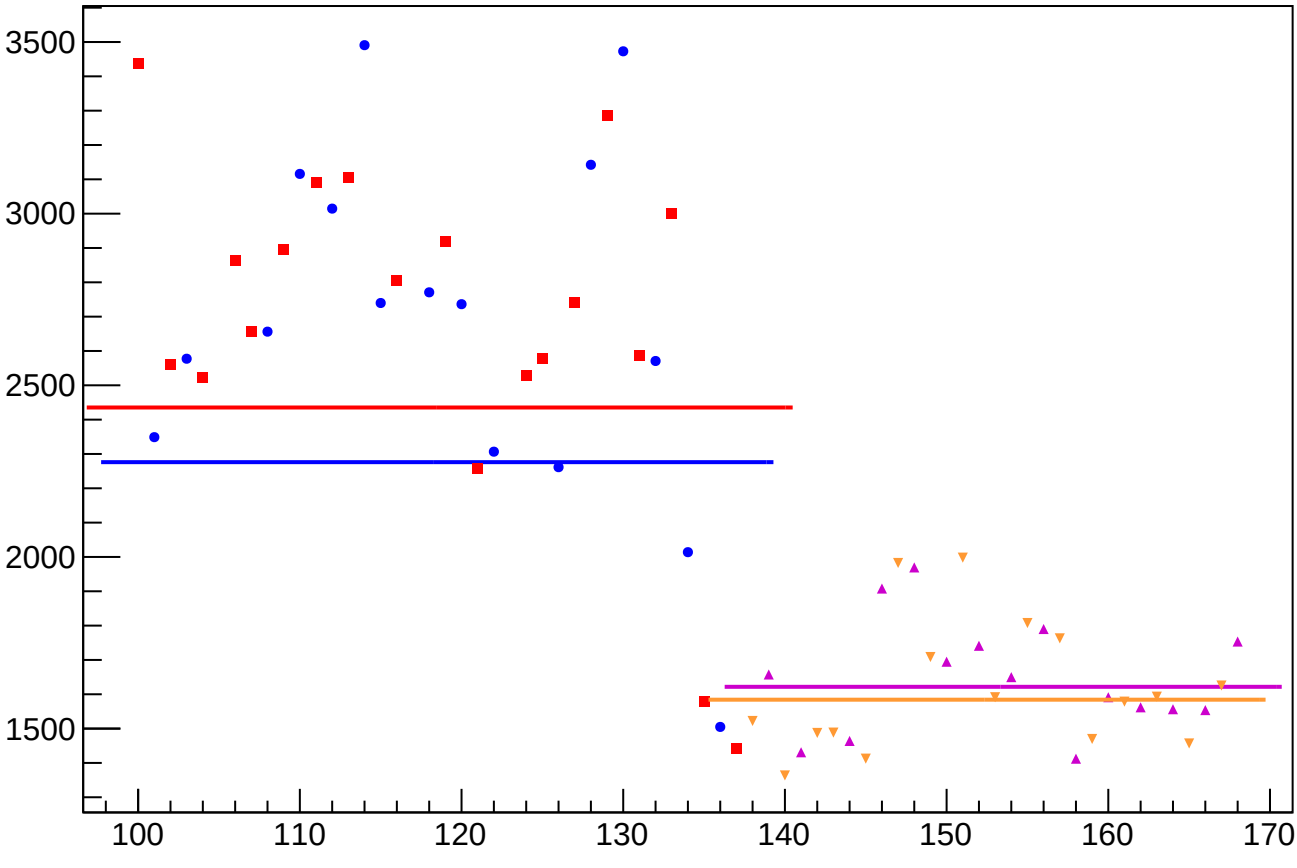
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.720+/-0.035 χ^2/NDF:468264.4/30

Out: 216.716+/-0.034 χ^2/NDF:494063.5/34

All: 217.698+/-0.025 χ^2/NDF: 963989.7/65


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -1139.384+/-449.471 χ²/NDF:27.9/15
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -398.039+/-463.383 χ²/NDF:23.2/14
Left: -780.006+/-322.630 χ²/NDF: 52.3/30
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -740.790+/-409.668 χ²/NDF:41.8/30
Out: -821.090+/-403.405 χ²/NDF:45.2/34
All: -781.558+/-287.439 χ²/NDF: 87.0/65



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290421.3/15

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1621.718+/-0.328 χ^2/NDF:227376.3/14

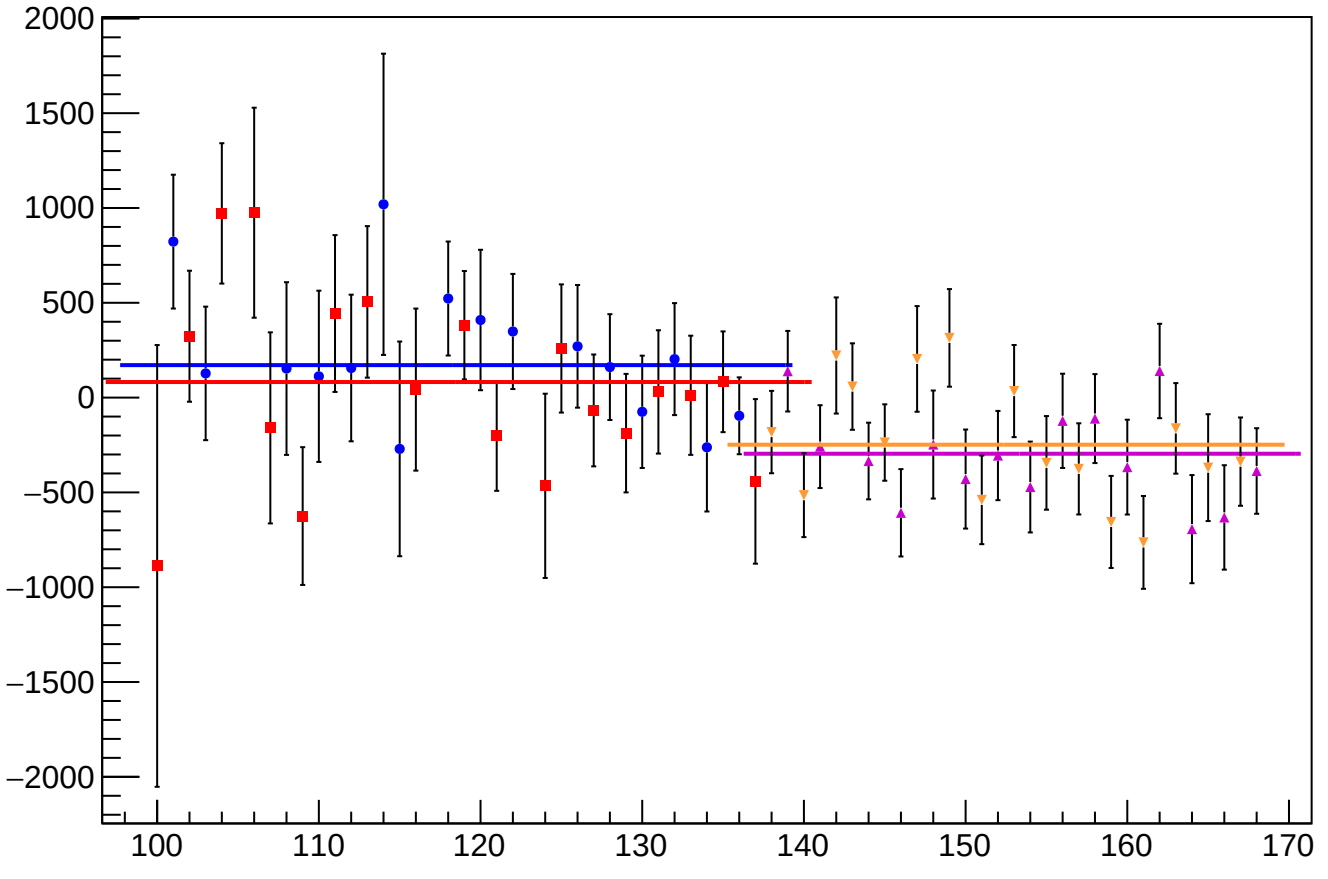
Left: 1602.394+/-0.228 χ^2/NDF: 524548.0/30

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1764.642+/-0.290 χ^2/NDF:2025544.8/30

Out: 1749.740+/-0.285 χ^2/NDF:2476692.5/34

All: 1757.076+/-0.203 χ^2/NDF: 4503580.8/65



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -248.377+/-60.266 χ^2/NDF:24.2/15

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -296.040+/-61.955 χ^2/NDF:14.8/14

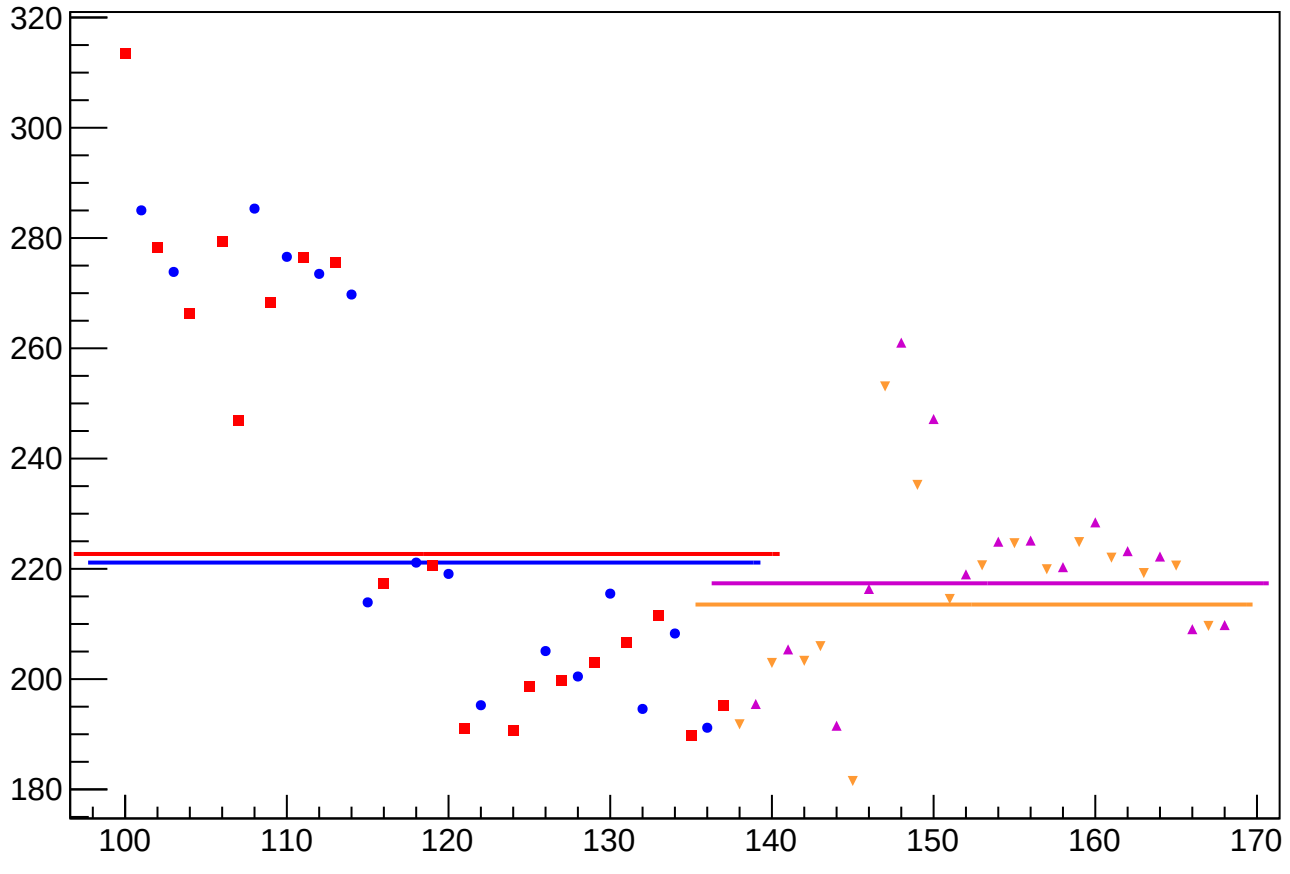
Left: -271.550+/-43.199 χ^2/NDF: 39.3/30

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -129.132+/-49.673 χ^2/NDF:46.6/30

Out: -133.452+/-48.674 χ^2/NDF:56.3/34

All: -131.336+/-34.766 χ^2/NDF: 102.8/65



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.527+/-0.043 χ^2/NDF:150935.0/15

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.376+/-0.044 χ^2/NDF:146930.3/14

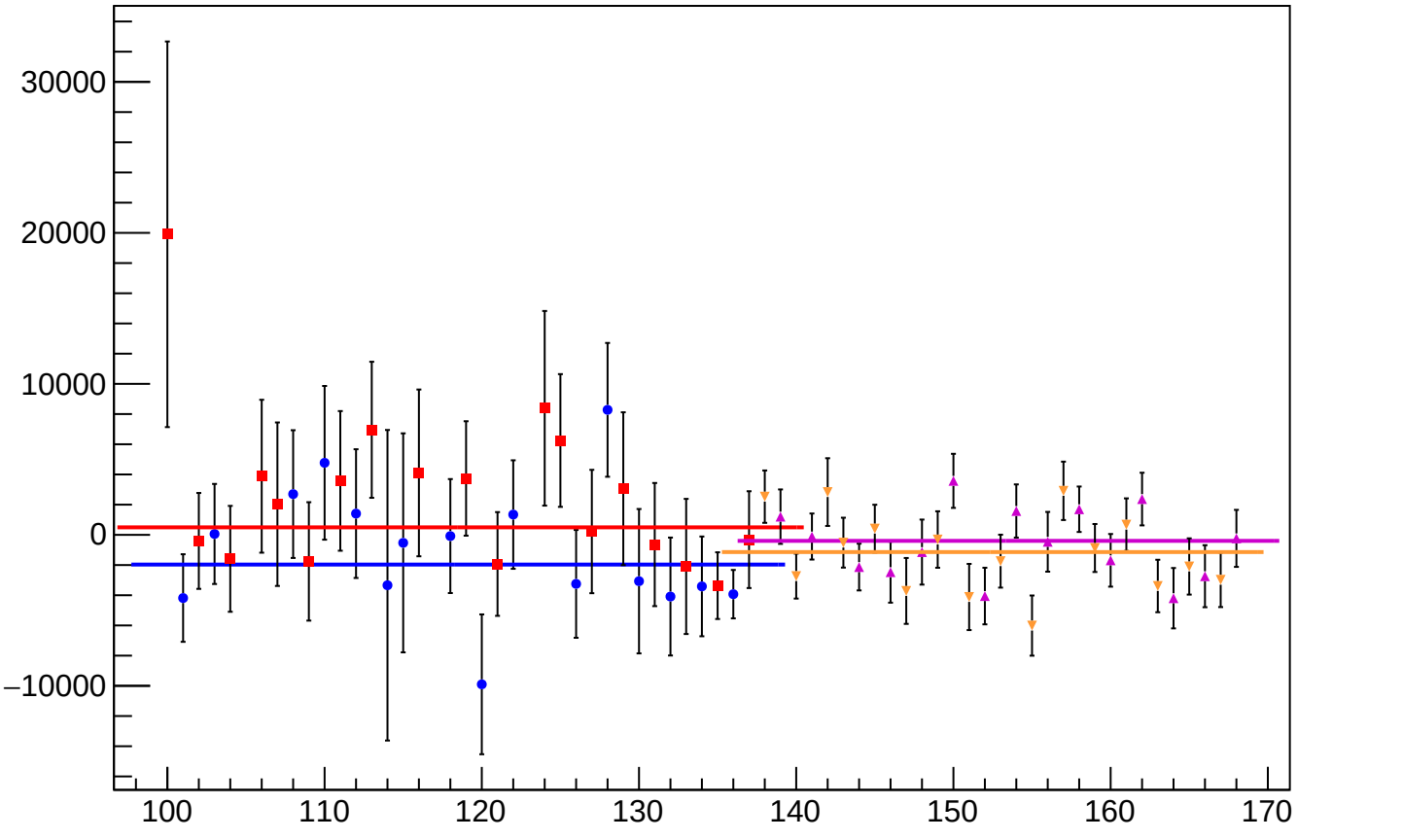
Left: 215.399+/-0.031 χ^2/NDF: 301831.9/30

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.720+/-0.035 χ^2/NDF:468260.4/30

Out: 216.715+/-0.034 χ^2/NDF:494057.9/34

All: 217.697+/-0.025 χ^2/NDF: 963979.8/65



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1139.383+/-449.471 χ^2/NDF:27.9/15

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -398.039+/-463.383 χ^2/NDF:23.2/14

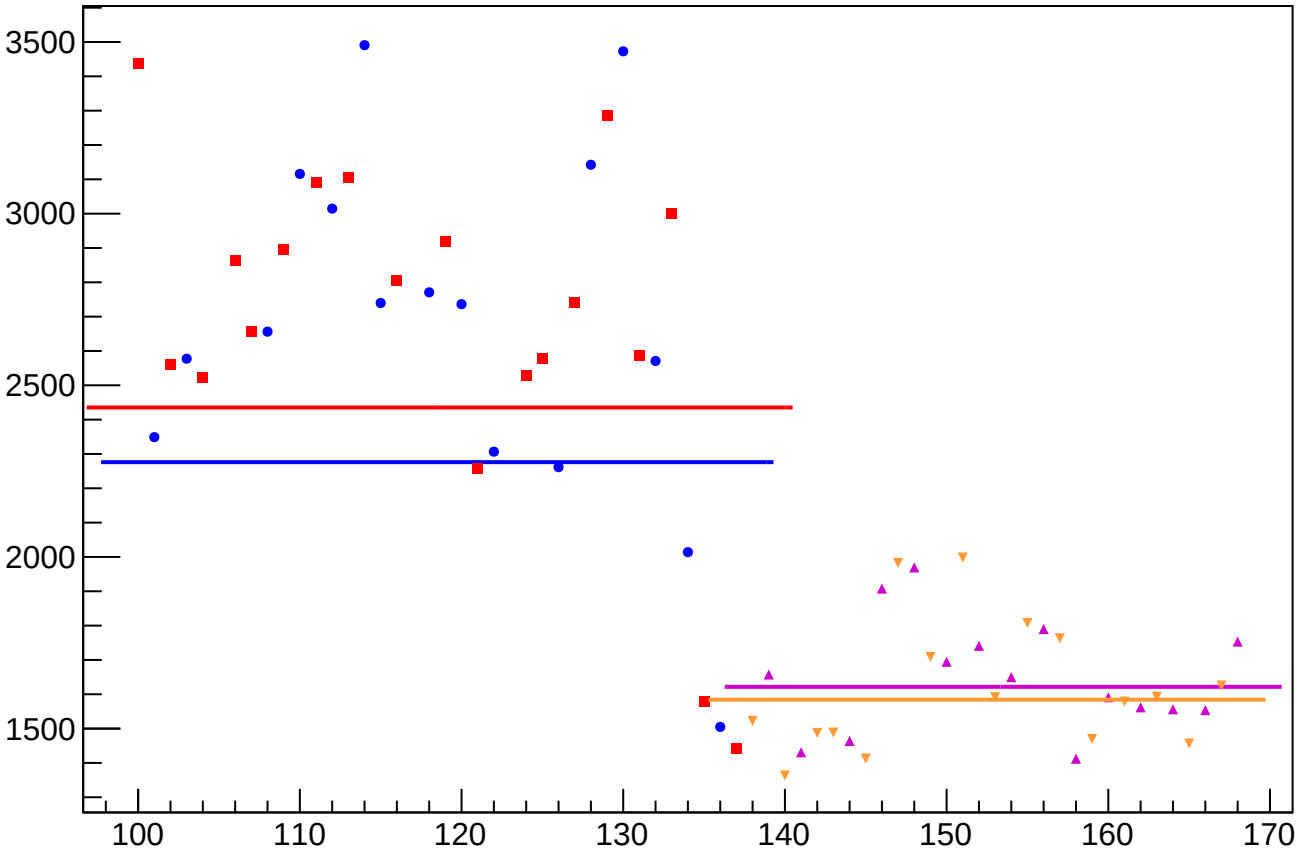
Left: -780.006+/-322.630 χ^2/NDF: 52.3/30

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -740.789+/-409.668 χ^2/NDF:41.8/30

Out: -821.088+/-403.404 χ^2/NDF:45.2/34

All: -781.557+/-287.439 χ^2/NDF: 87.0/65



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.213+/-0.318 χ^2/NDF:290424.4/15

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1621.718+/-0.328 χ^2/NDF:227377.8/14

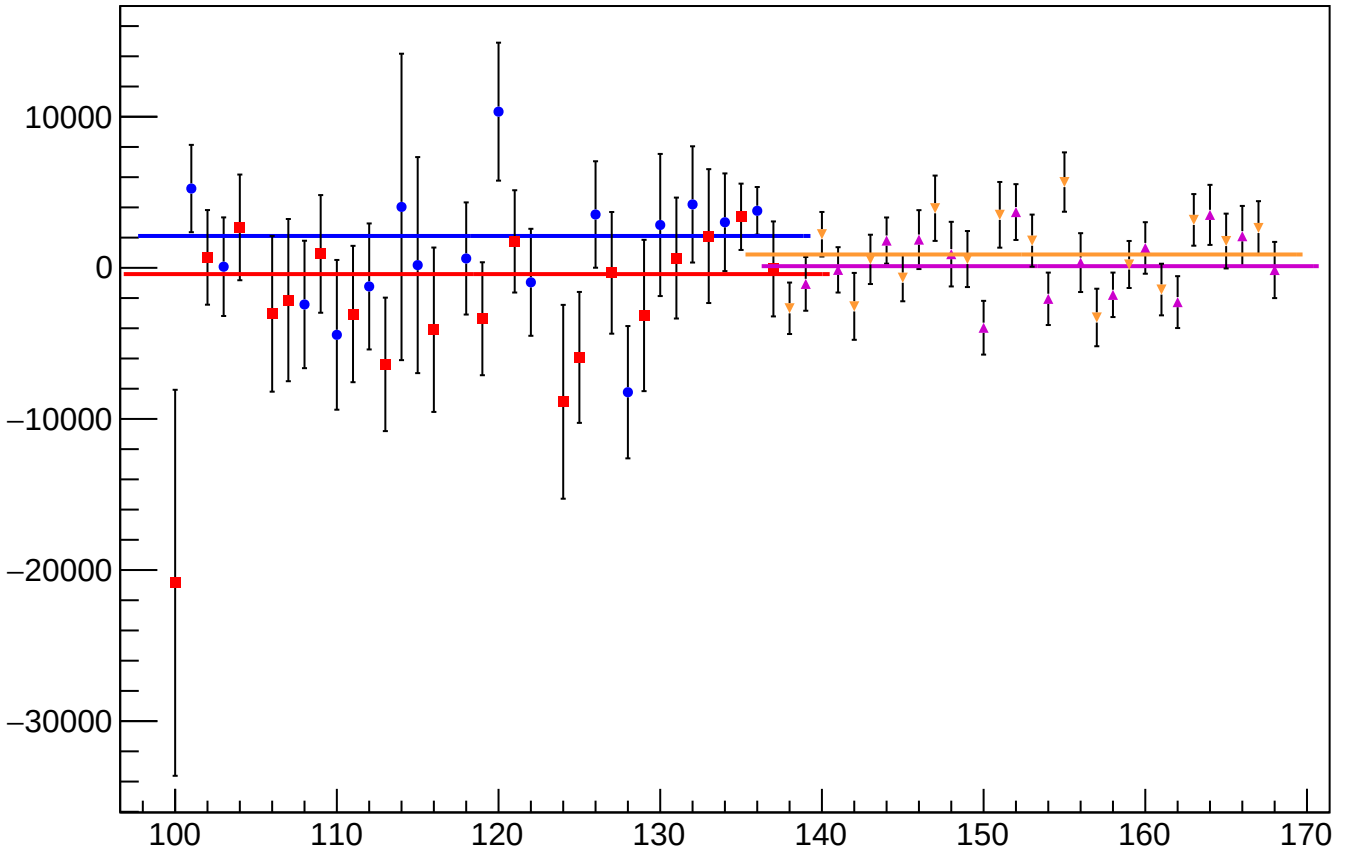
Left: 1602.394+/-0.228 χ^2/NDF: 524552.7/30

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1764.642+/-0.290 χ^2/NDF:2025532.0/30

Out: 1749.740+/-0.285 χ^2/NDF:2476682.2/34

All: 1757.076+/-0.203 χ^2/NDF: 4503557.8/65



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 884.104+/-442.744 χ^2/NDF:28.2/15

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 110.817+/-455.844 χ^2/NDF:21.2/14

Left: 508.732+/-317.598 χ^2/NDF: 50.9/30

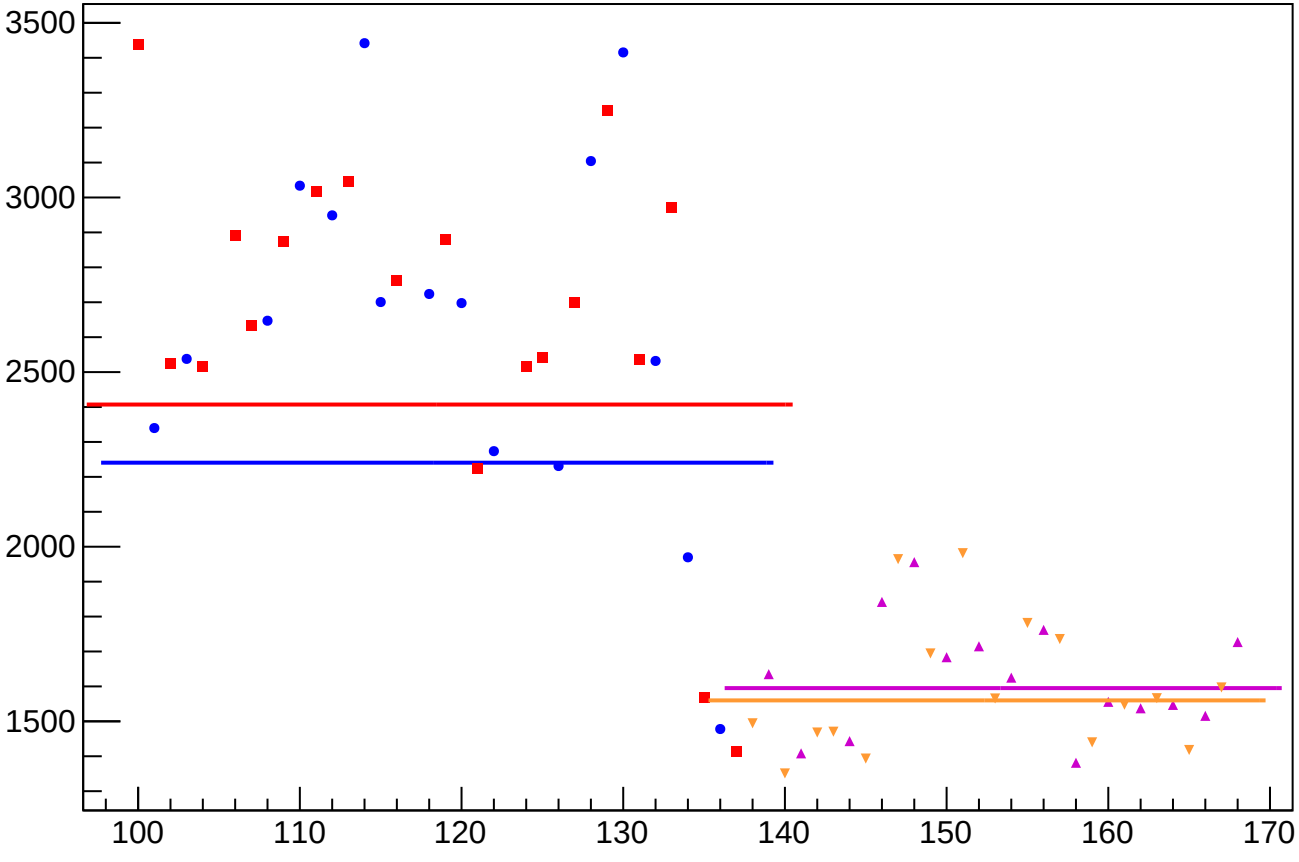
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 546.592+/-403.100 χ^2/NDF:42.0/30

Out: 633.138+/-397.652 χ^2/NDF:44.5/34

All: 590.454+/-283.089 χ^2/NDF: 86.5/65

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.948+/-0.313 χ^2/NDF:298837.6/15

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1595.136+/-0.322 χ^2/NDF:229239.6/14

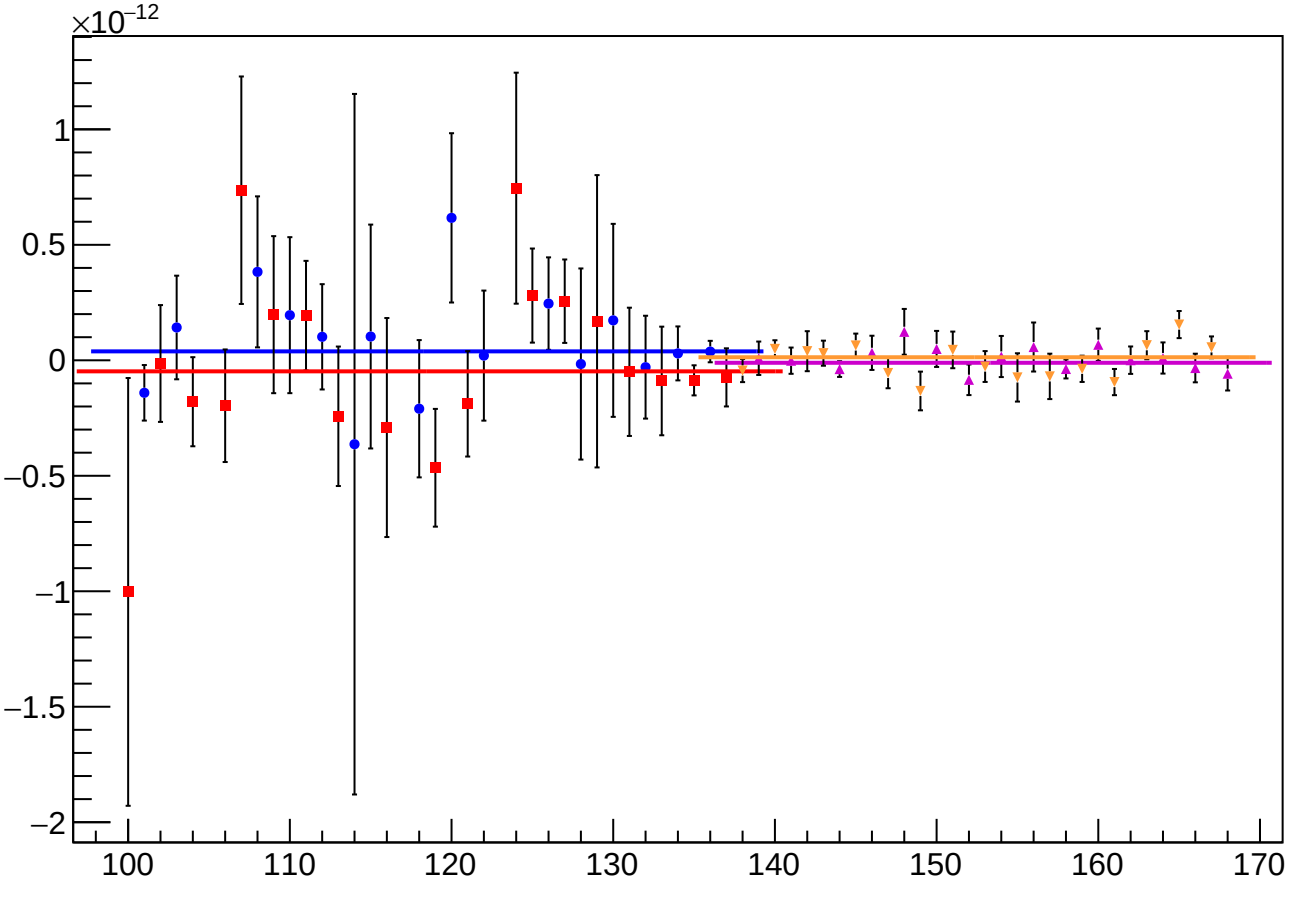
Left: 1577.029+/-0.225 χ^2/NDF: 534209.6/30

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1735.870+/-0.285 χ^2/NDF:2037183.6/30

Out: 1723.722+/-0.281 χ^2/NDF:2503429.8/34

All: 1729.714+/-0.200 χ^2/NDF: 4541533.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/14

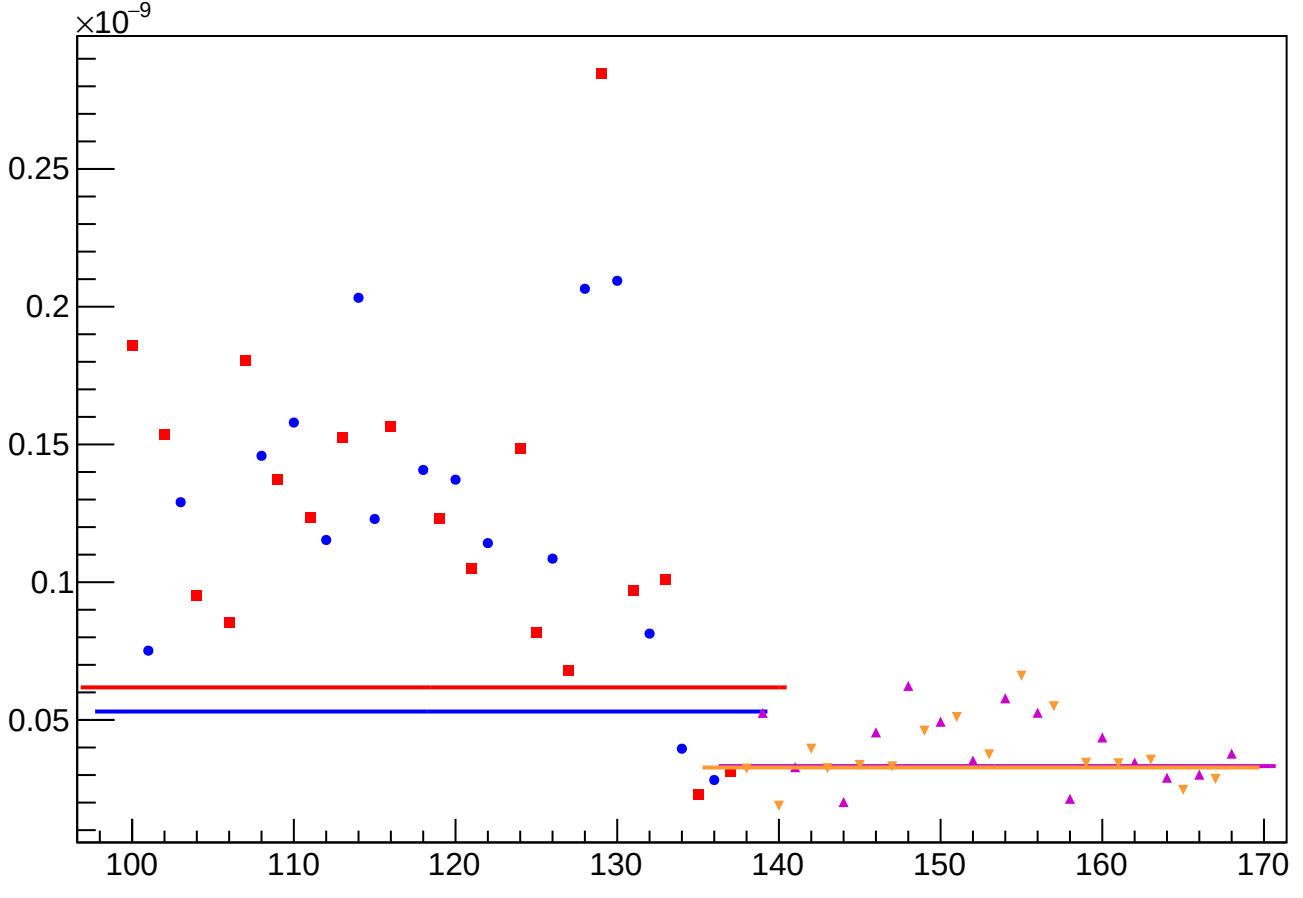
Left: 0.000+/-0.000 χ^2/NDF: 30.0/30

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/30

Out: 0.000+/-0.000 χ^2/NDF:41.2/34

All: 0.000+/-0.000 χ^2/NDF: 59.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:821893.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1203862.0/14

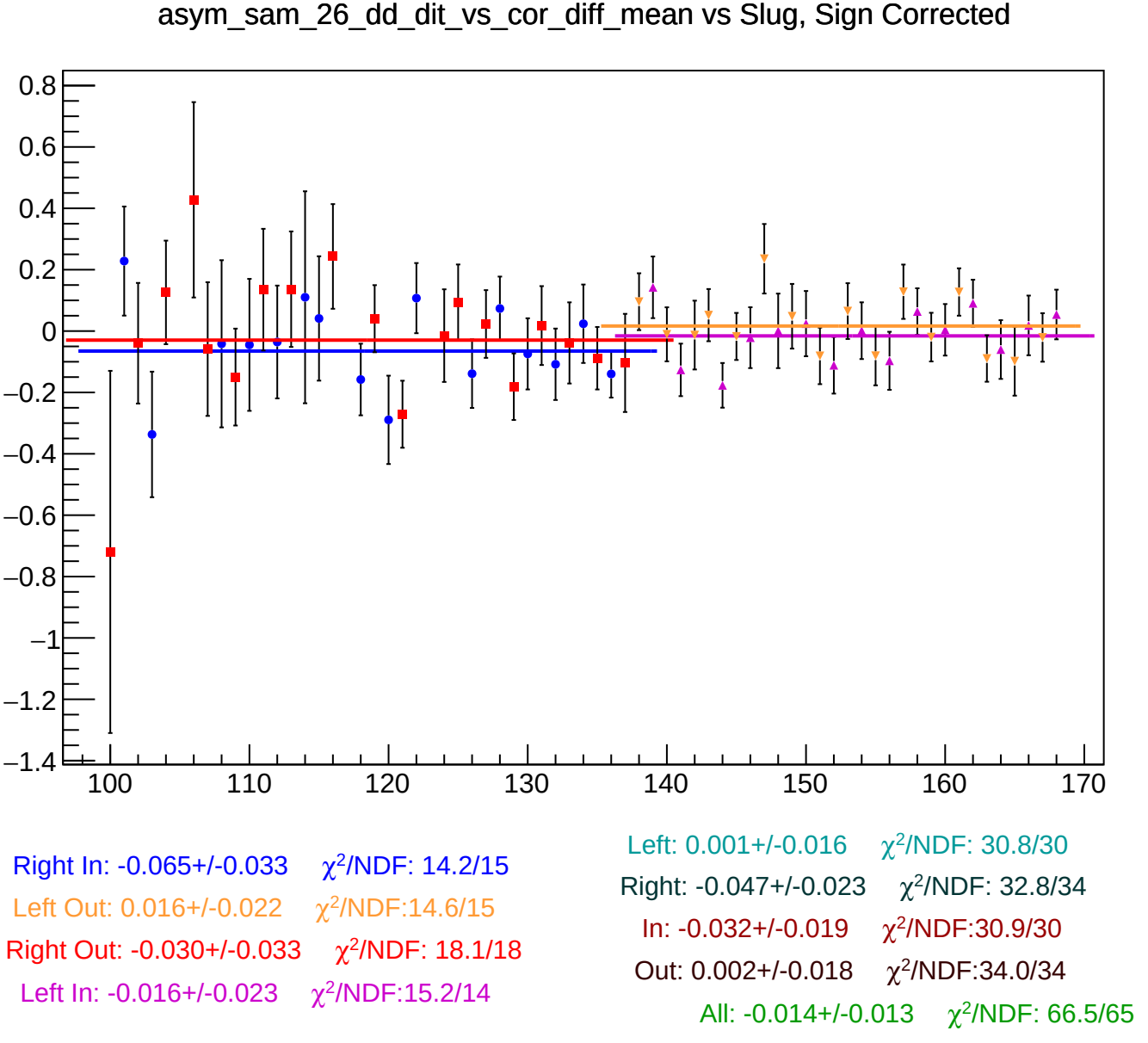
Left: 0.000+/-0.000 χ^2/NDF: 2026822.8/30

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

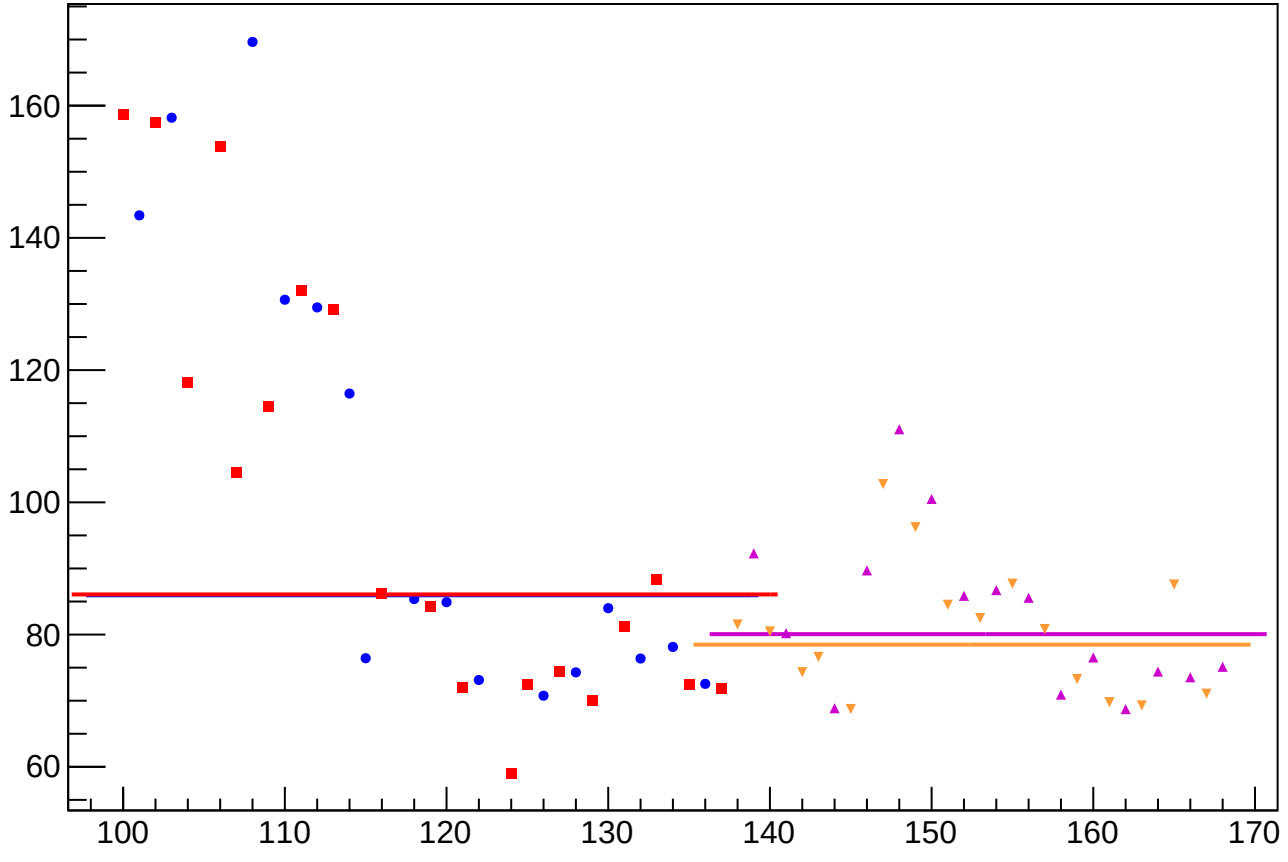
In: 0.000+/-0.000 χ^2/NDF:4280083.8/30

Out: 0.000+/-0.000 χ^2/NDF:4043841.1/34

All: 0.000+/-0.000 χ^2/NDF: 8325675.1/65


asym_sam_26_dd_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
170
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.016+/-0.022 χ²/NDF:14.6/15
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.016+/-0.023 χ²/NDF:15.2/14
Left: 0.001+/-0.016 χ²/NDF: 30.8/30
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.032+/-0.019 χ²/NDF:30.9/30
Out: 0.002+/-0.018 χ²/NDF:34.0/34
All: -0.014+/-0.013 χ²/NDF: 66.5/65

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.067+/-0.016 χ^2/NDF:424902.1/14

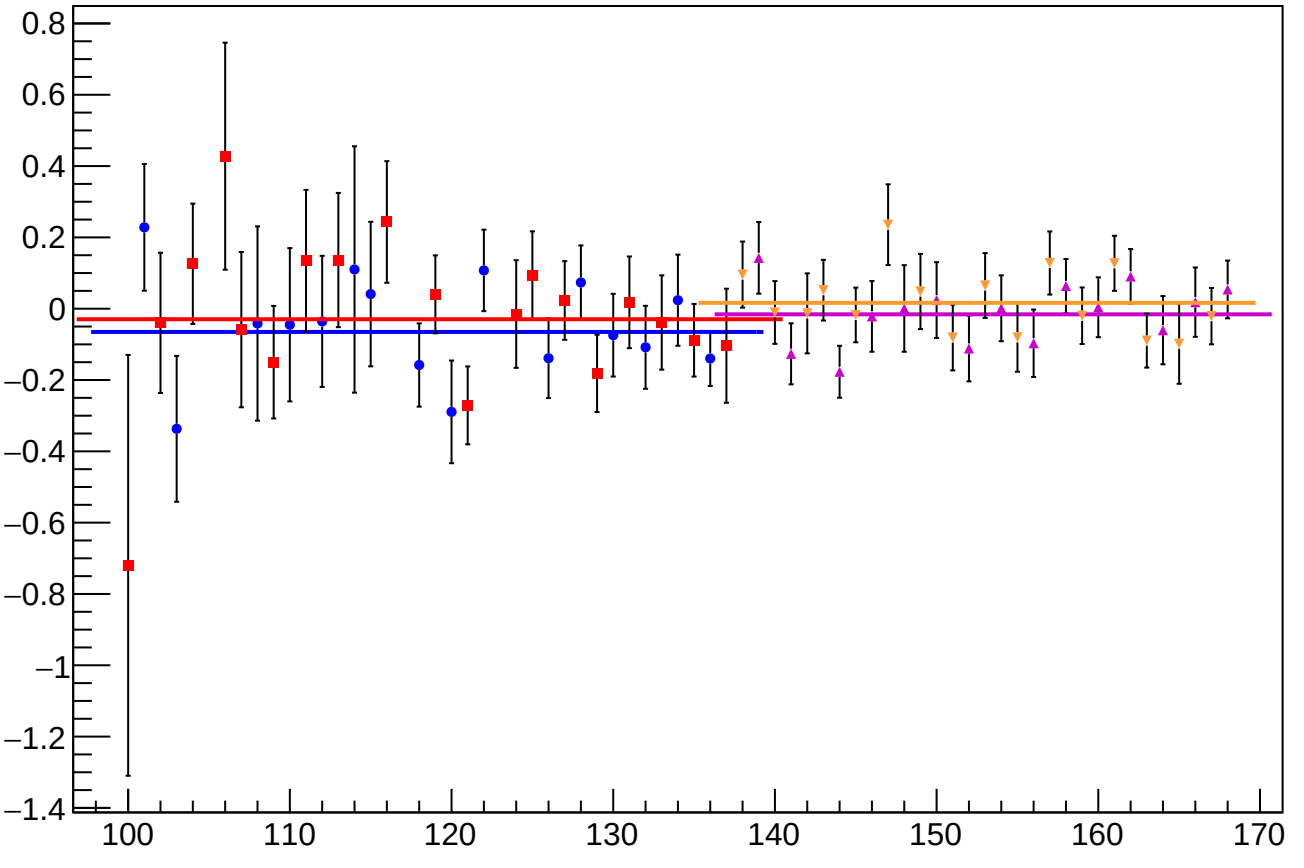
Left: 79.243+/-0.011 χ^2/NDF: 744097.2/30

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 81.971+/-0.013 χ^2/NDF:1502027.7/30

Out: 80.856+/-0.013 χ^2/NDF:1378592.8/34

All: 81.399+/-0.009 χ^2/NDF: 2884173.0/65



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.016+/-0.023 χ^2/NDF:15.2/14

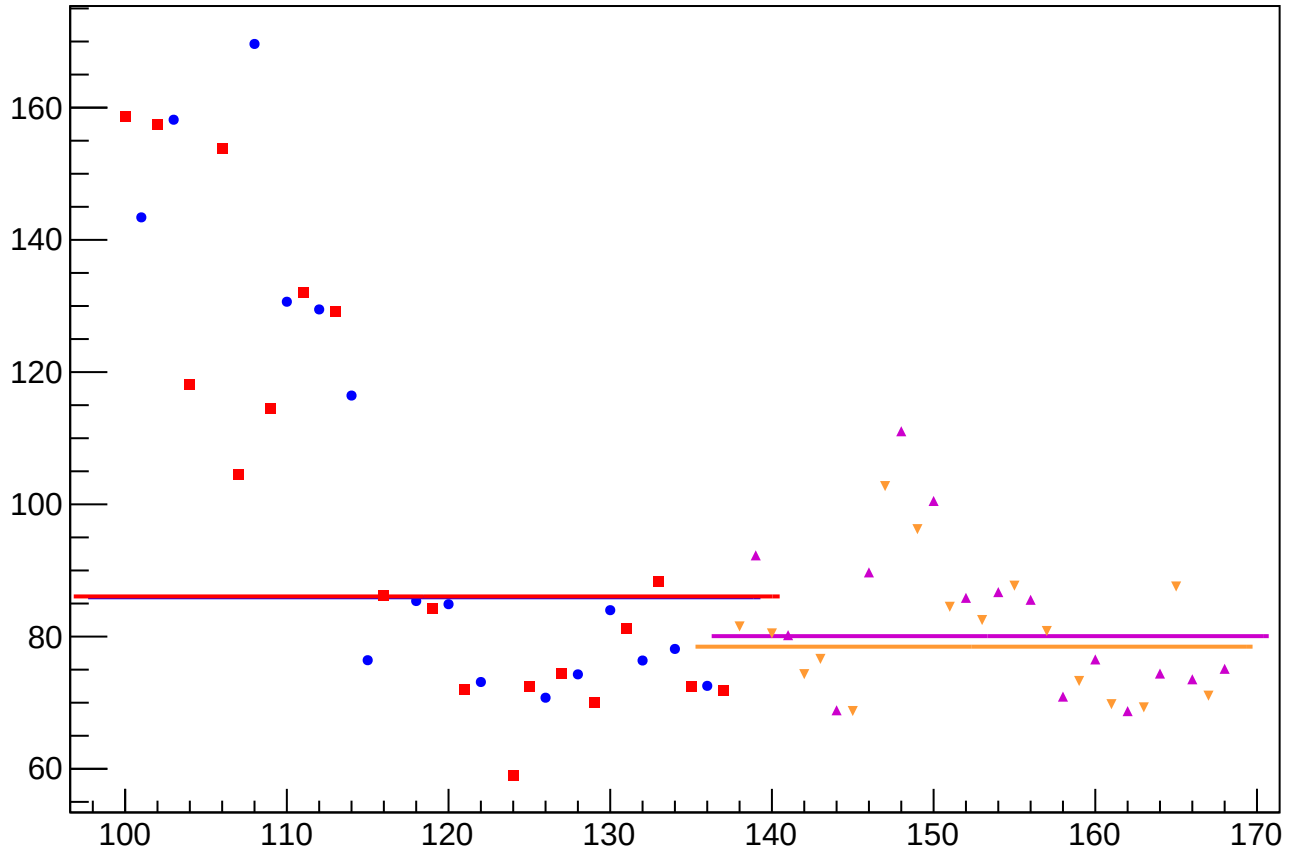
Left: 0.001+/-0.016 χ^2/NDF: 30.8/30

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.032+/-0.019 χ^2/NDF:30.9/30

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.014+/-0.013 χ^2/NDF: 66.5/65



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.474+/-0.016 χ^2/NDF:314254.1/15

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.067+/-0.016 χ^2/NDF:424902.1/14

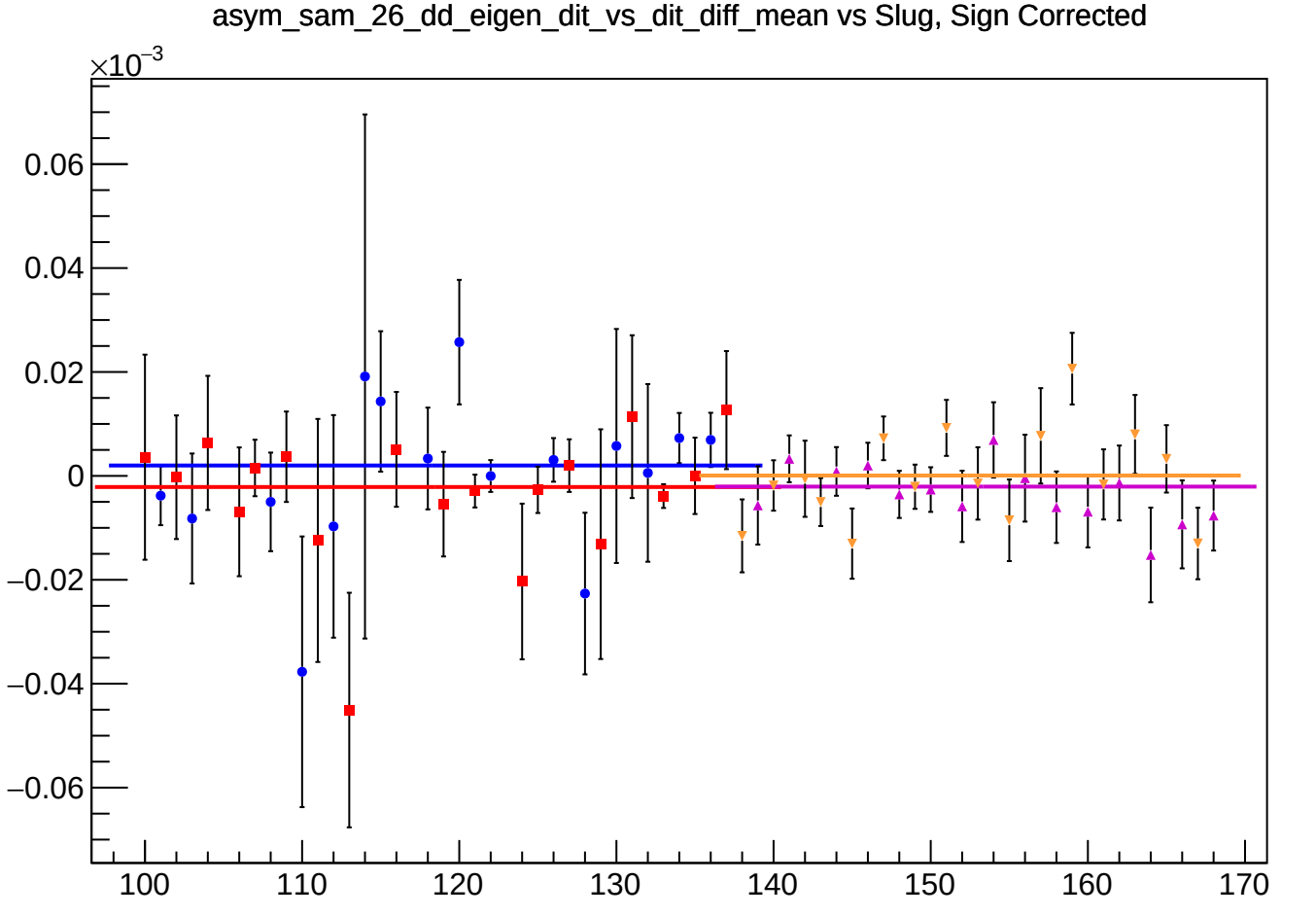
Left: 79.243+/-0.011 χ^2/NDF: 744097.2/30

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

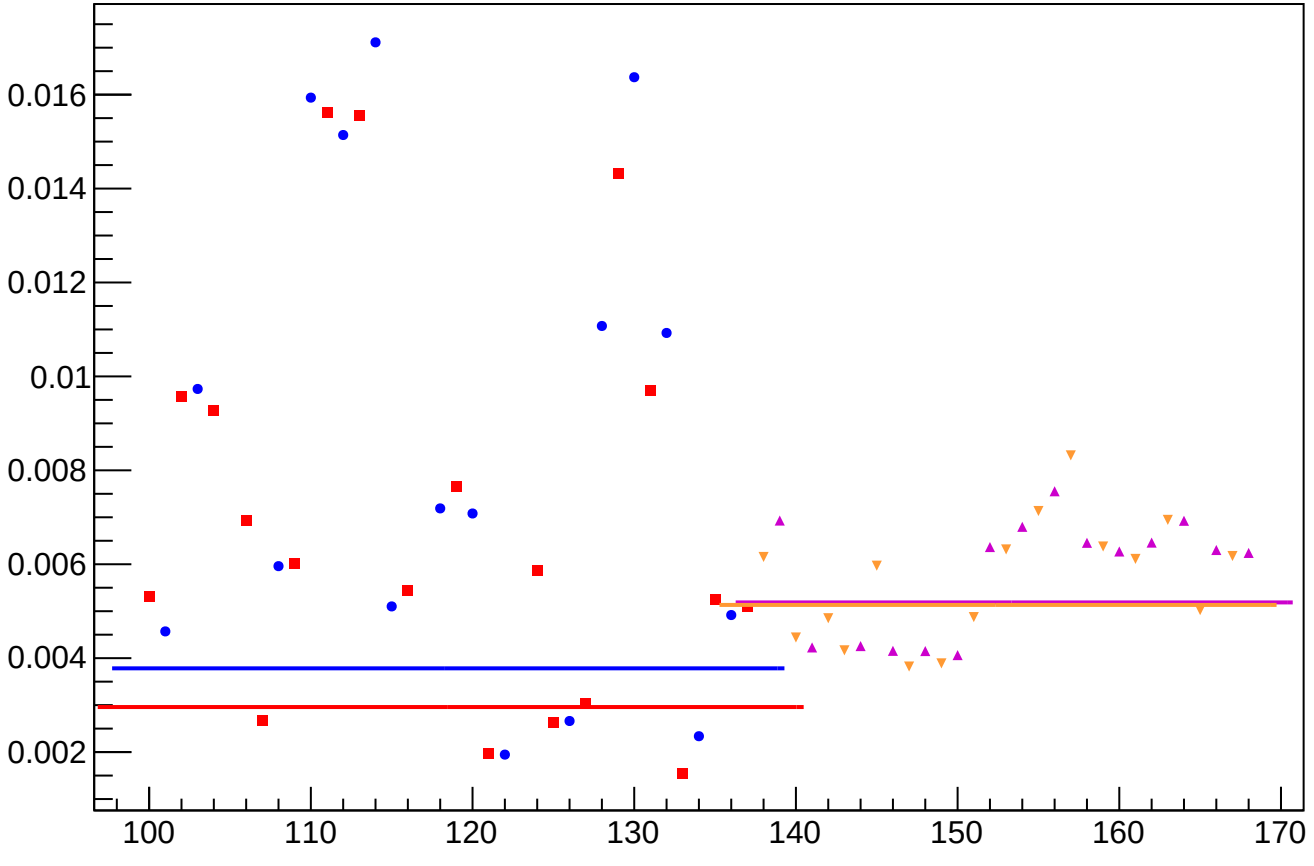
In: 81.971+/-0.013 χ^2/NDF:1502027.7/30

Out: 80.856+/-0.013 χ^2/NDF:1378592.8/34

All: 81.399+/-0.009 χ^2/NDF: 2884173.0/65


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:29.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:9.2/14
Left: -0.000+/-0.000 χ²/NDF: 40.0/30
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: -0.000+/-0.000 χ²/NDF:27.2/30
Out: -0.000+/-0.000 χ²/NDF:42.4/34
All: -0.000+/-0.000 χ²/NDF: 69.9/65

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1269881.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1282396.9/14

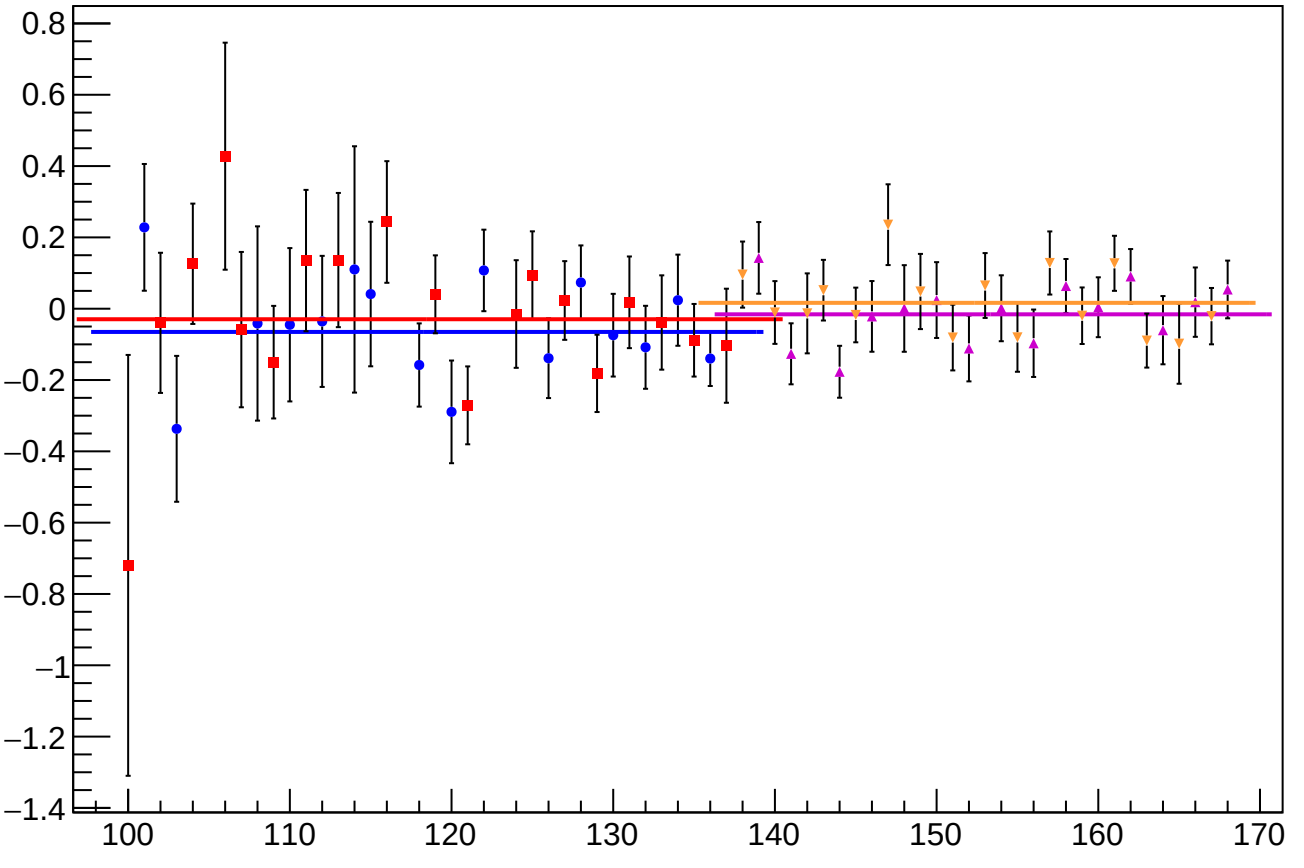
Left: 0.005+/-0.000 χ^2/NDF: 2553528.7/30

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6710715.8/30

Out: 0.004+/-0.000 χ^2/NDF:9076739.8/34

All: 0.004+/-0.000 χ^2/NDF: 16093360.1/65



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.016+/-0.023 χ^2/NDF:15.2/14

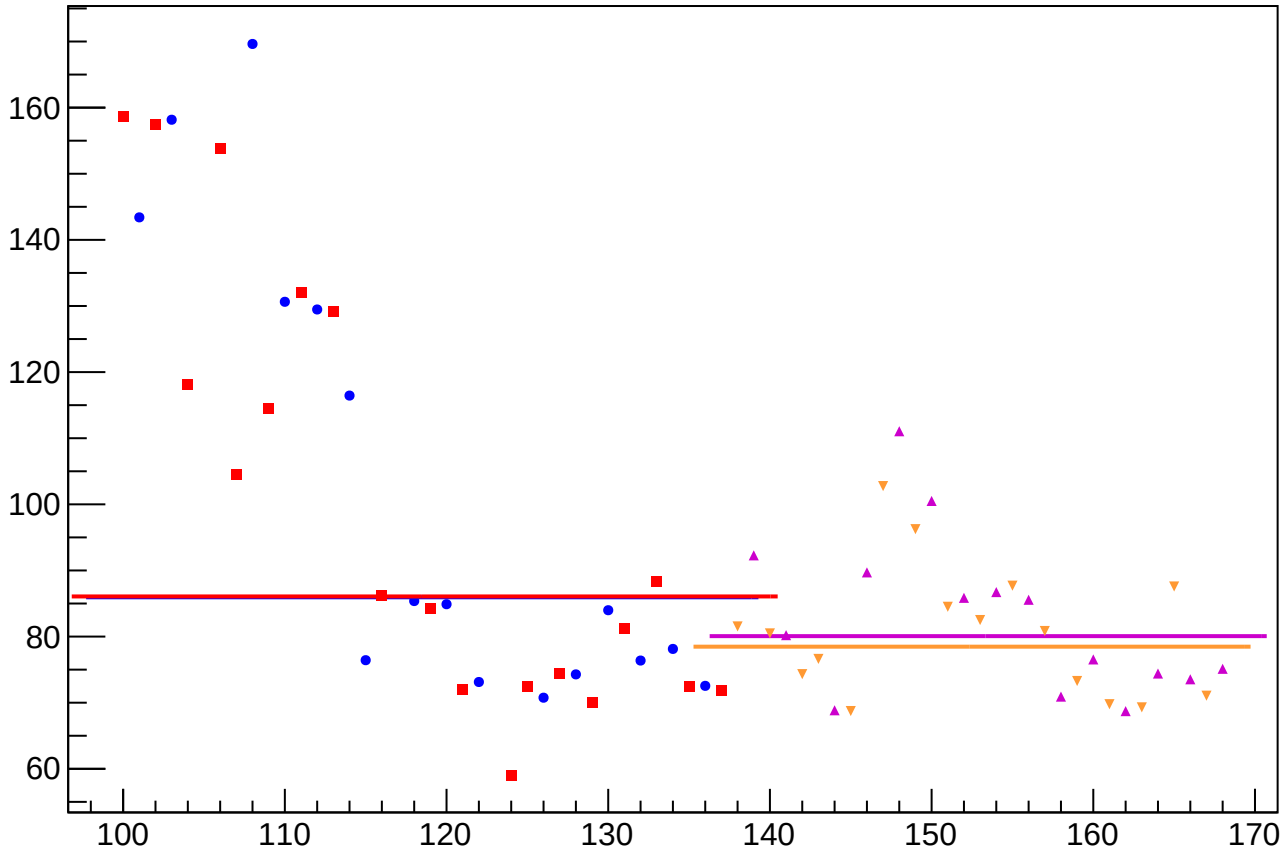
Left: 0.001+/-0.016 χ^2/NDF: 30.8/30

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.032+/-0.019 χ^2/NDF:30.9/30

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.014+/-0.013 χ^2/NDF: 66.5/65



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.066+/-0.016 χ^2/NDF:424942.5/14

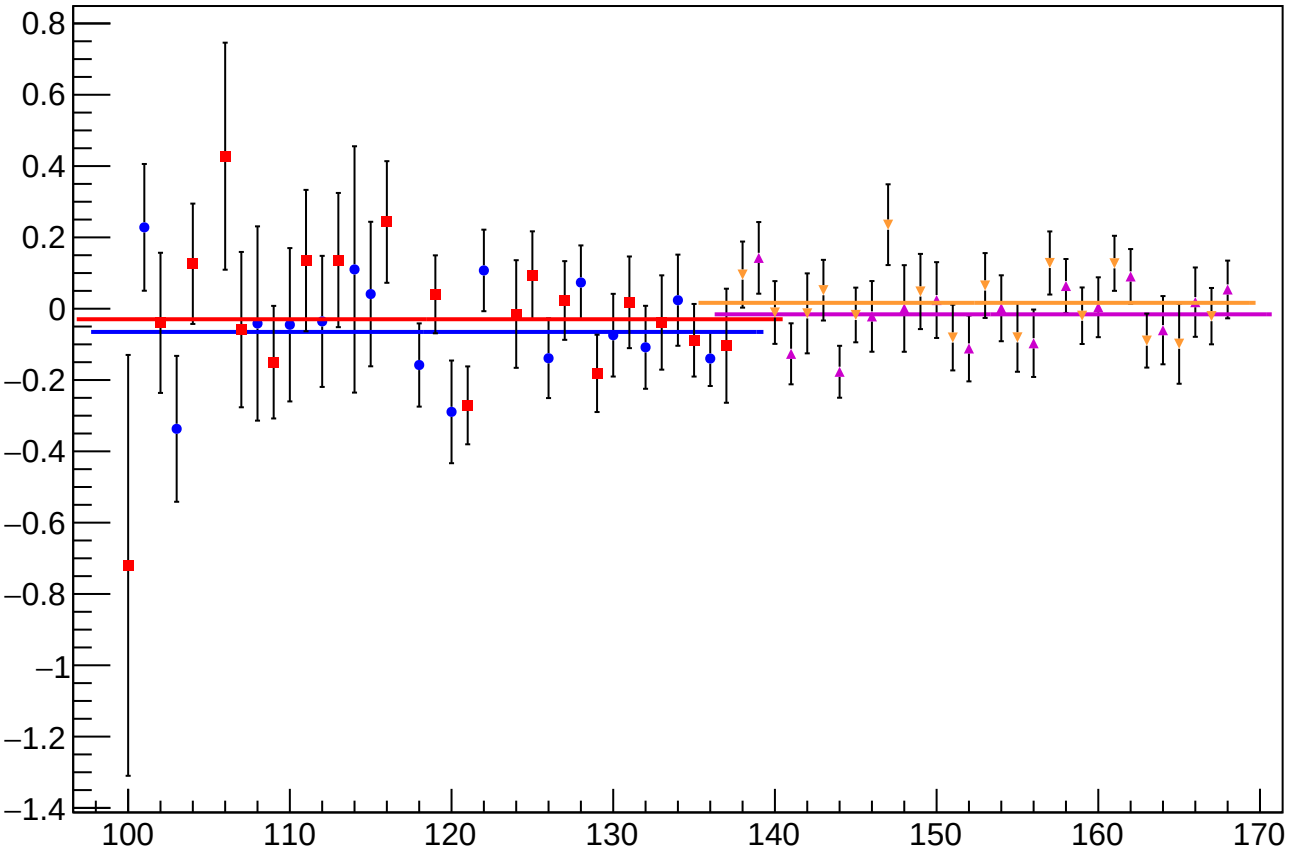
Left: 79.243+/-0.011 χ^2/NDF: 744182.0/30

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.969+/-0.013 χ^2/NDF:1502028.5/30

Out: 80.855+/-0.013 χ^2/NDF:1378605.5/34

All: 81.397+/-0.009 χ^2/NDF: 2884184.6/65



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.016+/-0.022 χ^2/NDF:14.6/15

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.016+/-0.023 χ^2/NDF:15.2/14

Left: 0.001+/-0.016 χ^2/NDF: 30.8/30

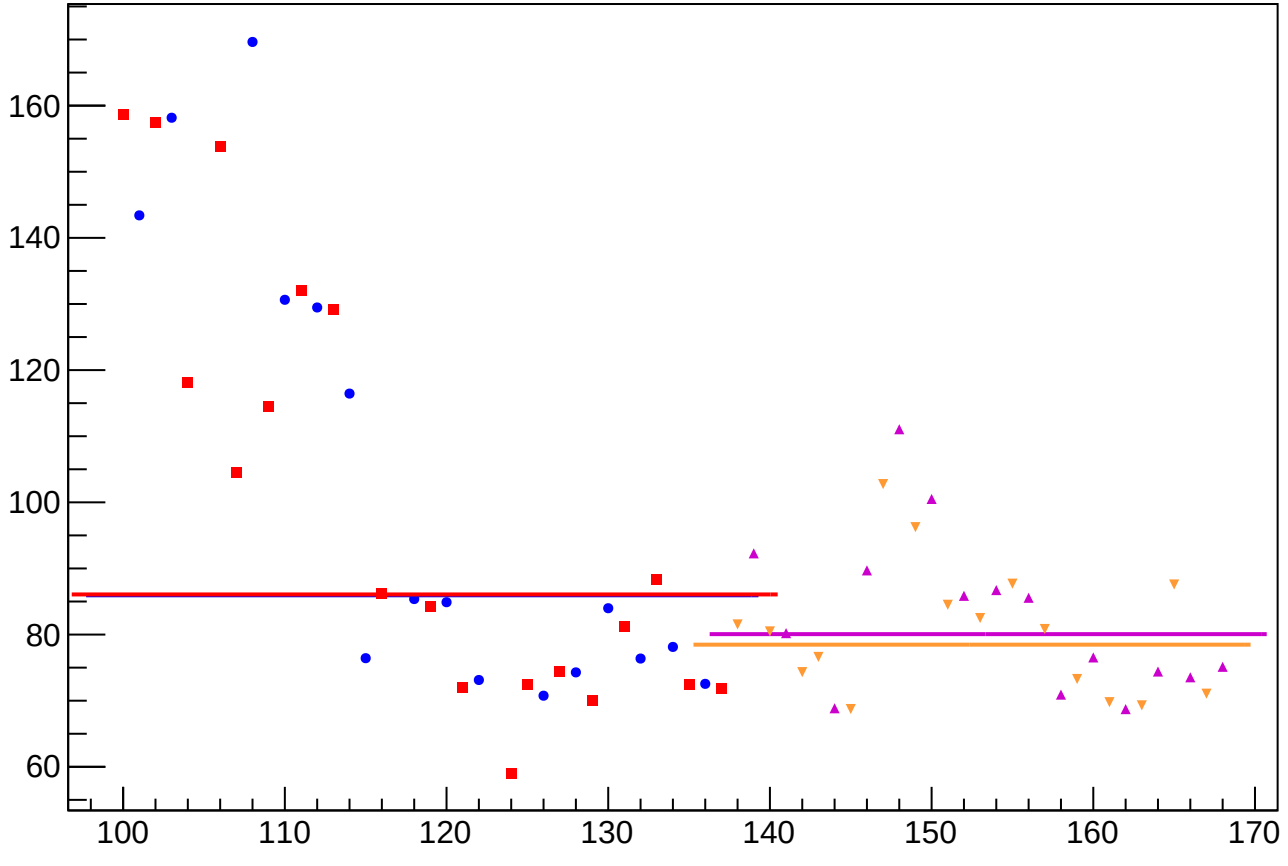
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.032+/-0.019 χ^2/NDF:30.9/30

Out: 0.002+/-0.018 χ^2/NDF:34.0/34

All: -0.014+/-0.013 χ^2/NDF: 66.5/65

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.473+/-0.016 χ^2/NDF:314299.9/15

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.066+/-0.016 χ^2/NDF:424942.5/14

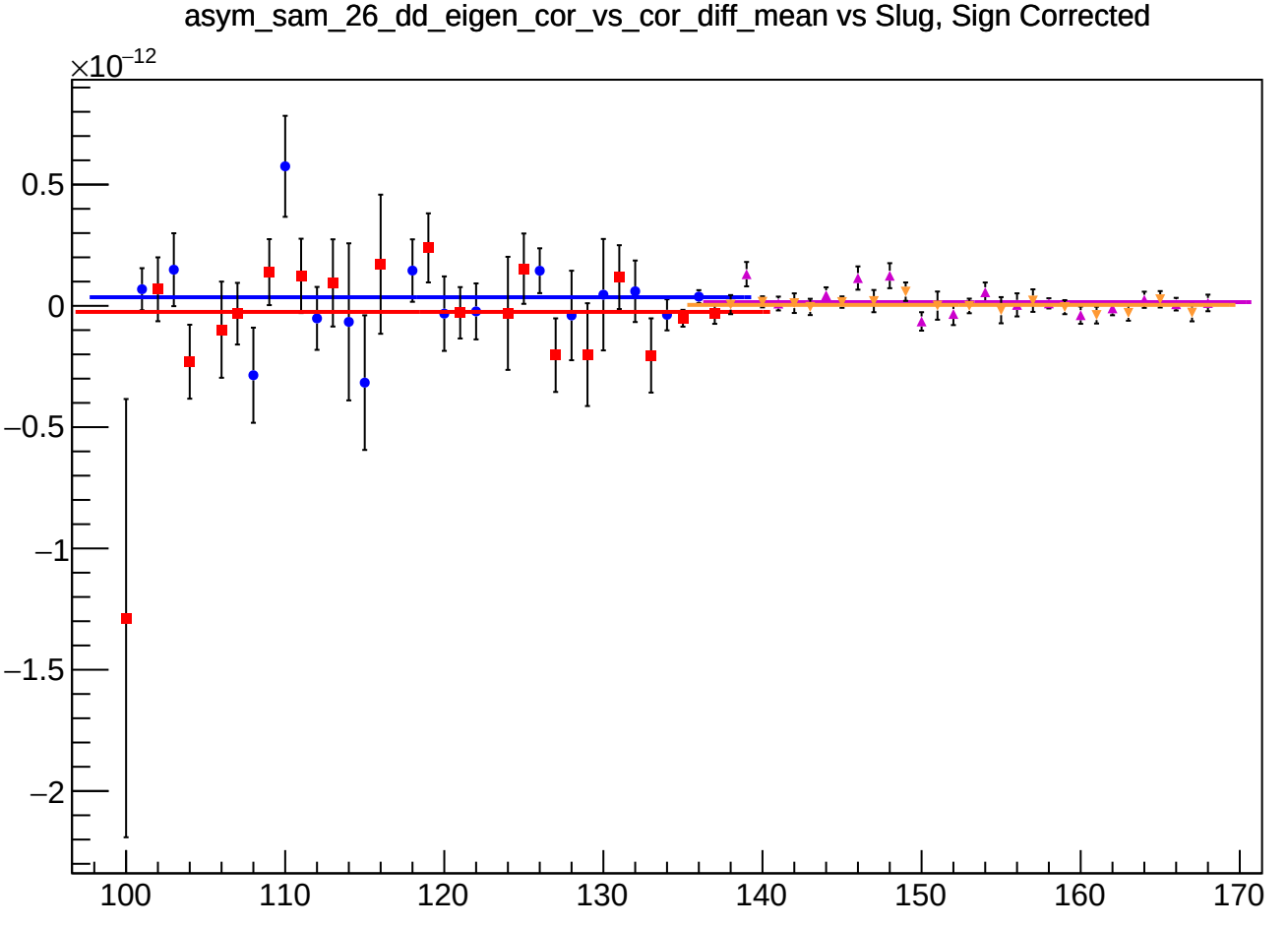
Left: 79.243+/-0.011 χ^2/NDF: 744182.0/30

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.969+/-0.013 χ^2/NDF:1502028.5/30

Out: 80.855+/-0.013 χ^2/NDF:1378605.5/34

All: 81.397+/-0.009 χ^2/NDF: 2884184.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.8/14

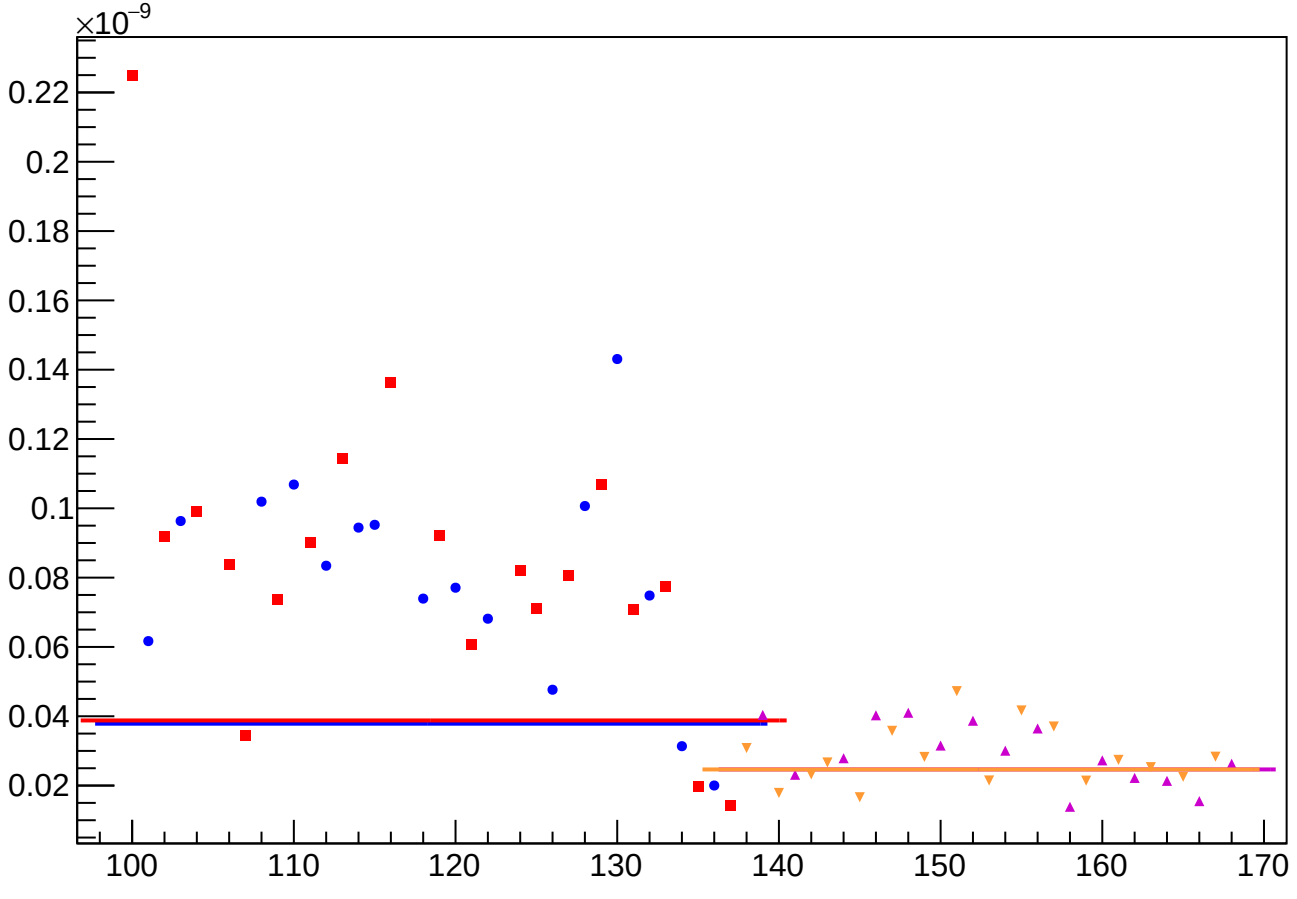
Left: 0.000+/-0.000 χ^2/NDF: 32.6/30

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:41.9/30

Out: 0.000+/-0.000 χ^2/NDF:26.4/34

All: 0.000+/-0.000 χ^2/NDF: 70.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1338600.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1869350.0/14

Left: 0.000+/-0.000 χ^2/NDF: 3207950.5/30

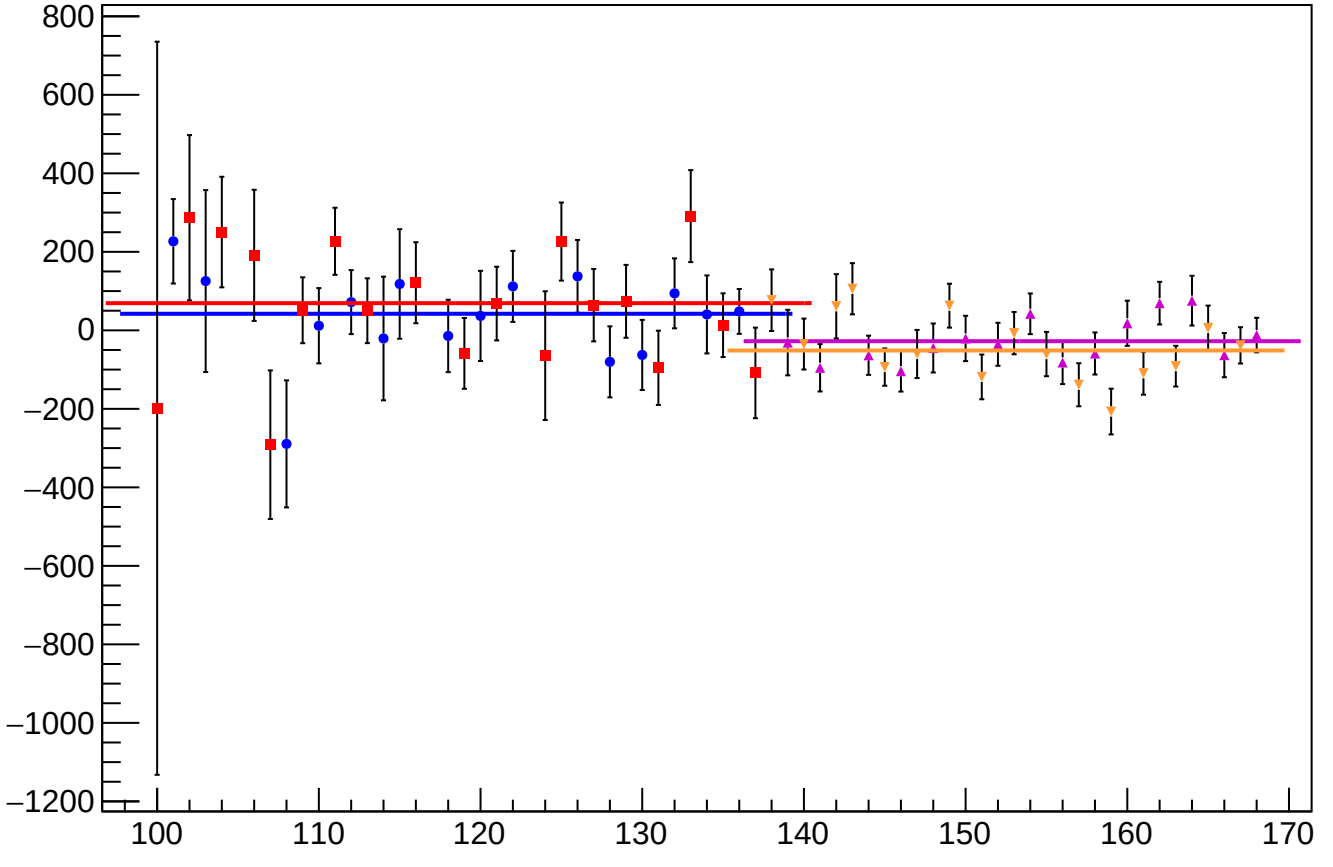
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6020841.6/30

Out: 0.000+/-0.000 χ^2/NDF:6169220.2/34

All: 0.000+/-0.000 χ^2/NDF: 12190724.9/65

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.273+/-14.303 χ^2/NDF:30.0/15

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -27.685+/-14.362 χ^2/NDF:14.2/14

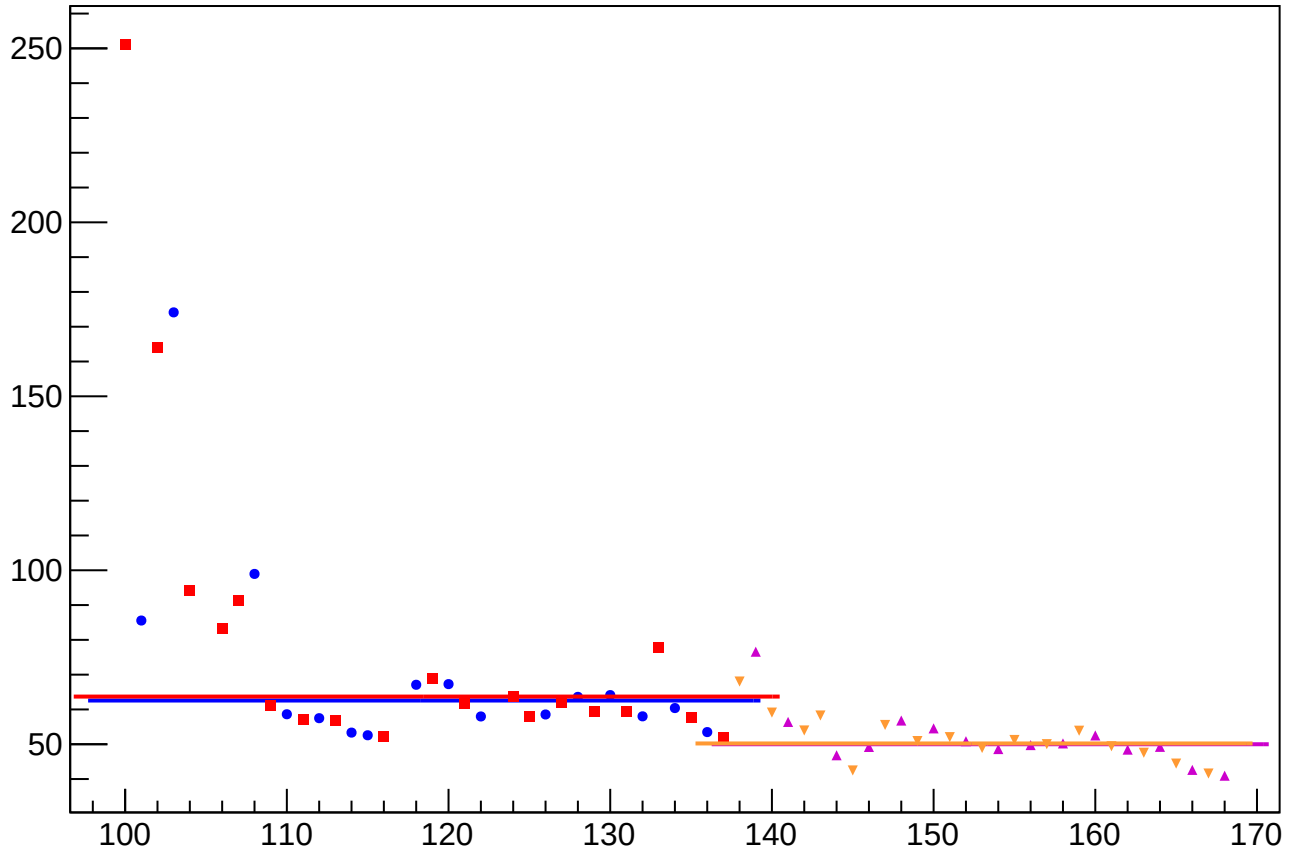
Left: -39.528+/-10.135 χ^2/NDF: 45.5/30

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -9.484+/-12.352 χ^2/NDF:33.9/30

Out: -20.486+/-12.341 χ^2/NDF:73.5/34

All: -14.990+/-8.730 χ^2/NDF: 107.8/65



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.1/15

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

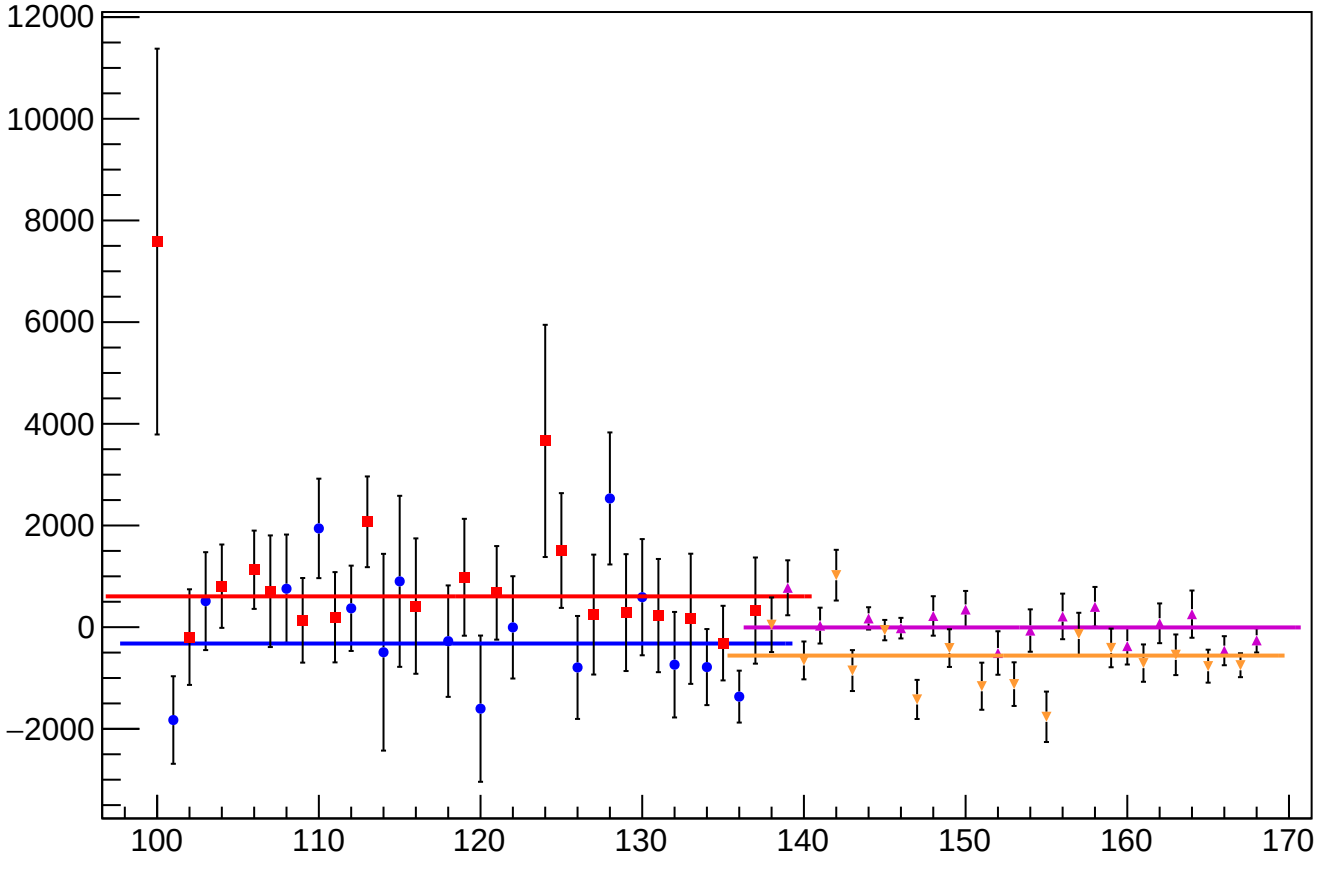
Left: 50.112+/-0.007 χ^2/NDF: 747979.5/30

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 53.271+/-0.009 χ^2/NDF:1553678.5/30

Out: 53.666+/-0.009 χ^2/NDF:1639013.2/34

All: 53.469+/-0.006 χ^2/NDF: 3193715.3/65



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -558.785+/-88.408 χ^2/NDF:35.1/15

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: -5.067+/-83.939 χ^2/NDF:11.8/14

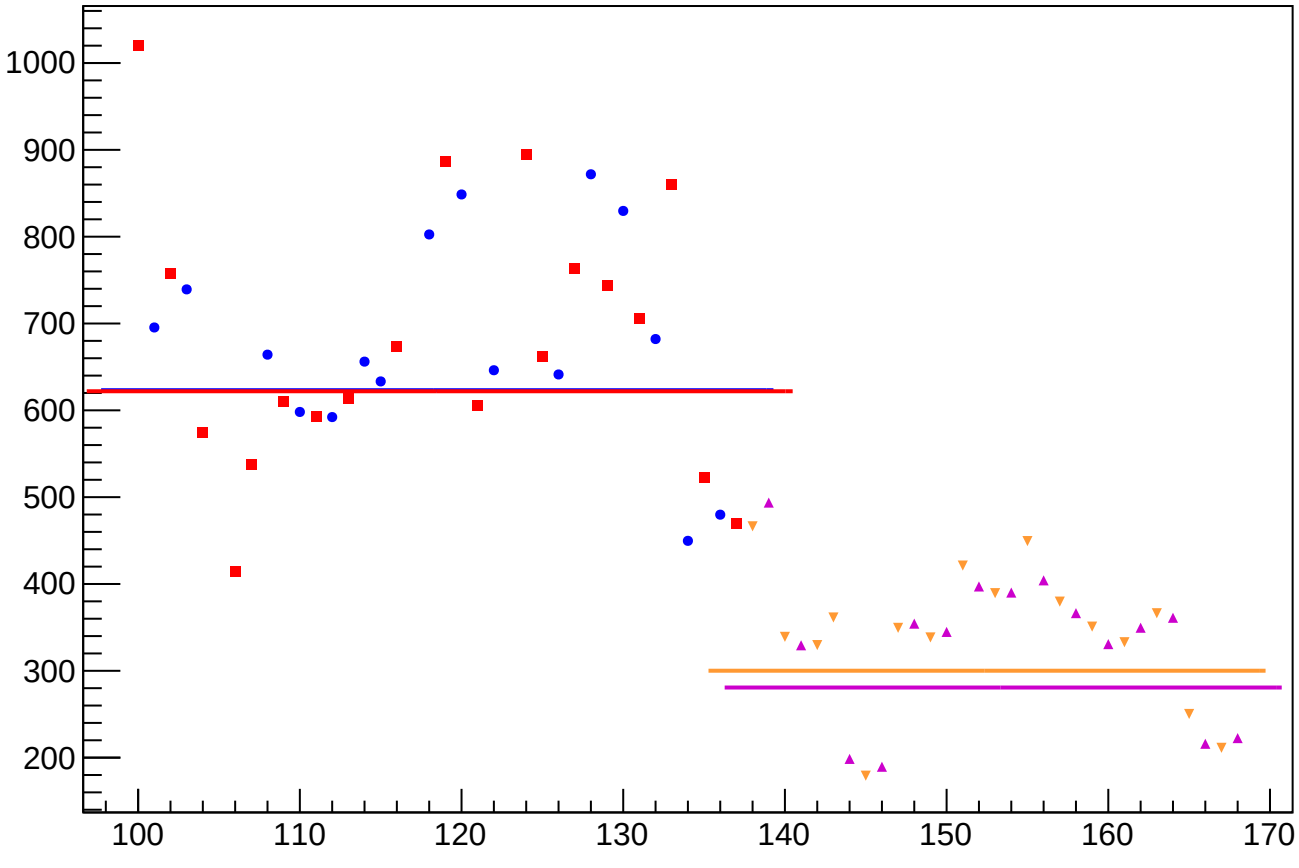
Left: -267.579+/-60.873 χ^2/NDF: 67.5/30

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -39.965+/-79.178 χ^2/NDF:36.1/30

Out: -412.918+/-82.686 χ^2/NDF:69.3/34

All: -218.362+/-57.187 χ^2/NDF: 116.0/65



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 300.106+/-0.063 χ^2/NDF:1966198.6/15

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 280.750+/-0.059 χ^2/NDF:2082333.3/14

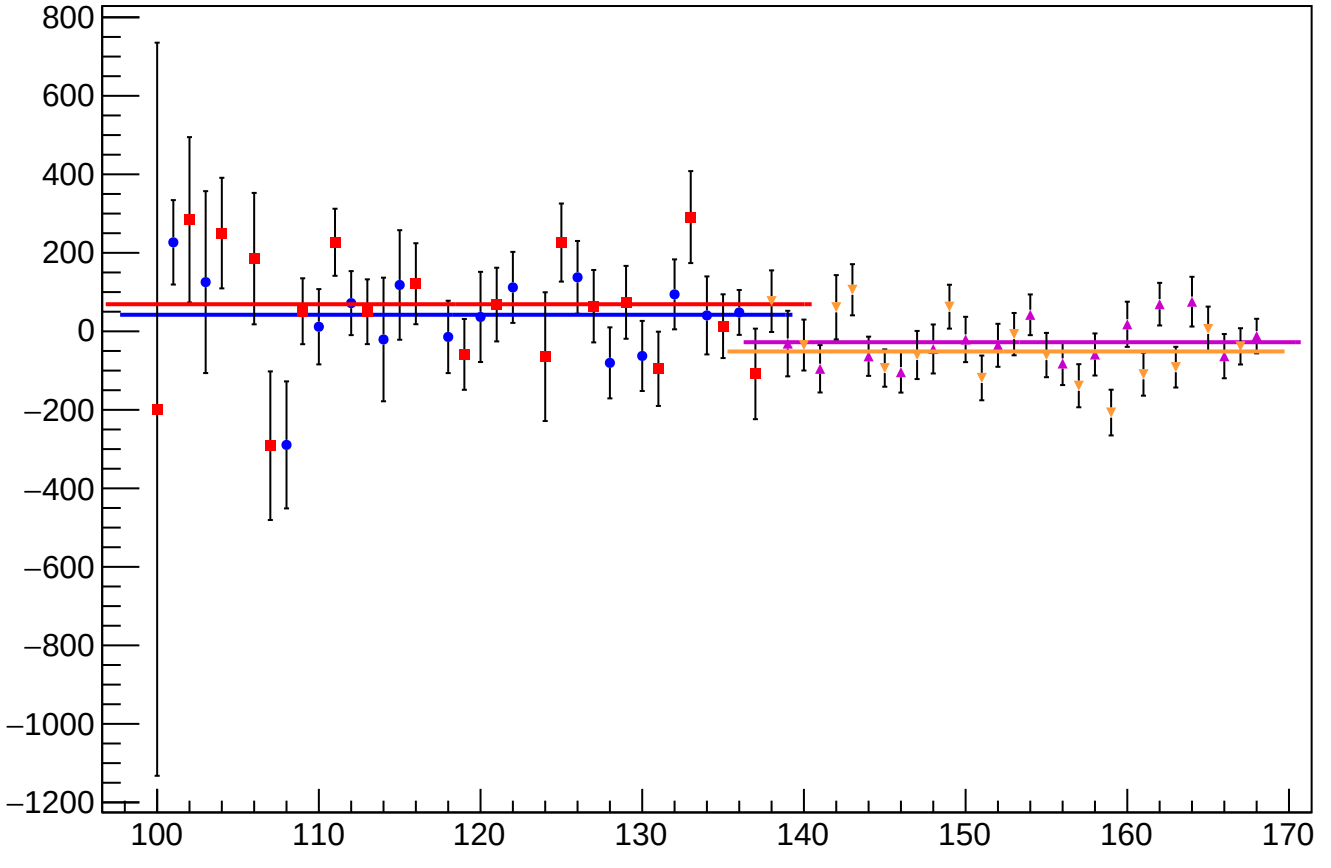
Left: 289.926+/-0.043 χ^2/NDF: 4098950.4/30

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 318.496+/-0.056 χ^2/NDF:6316809.1/30

Out: 340.419+/-0.058 χ^2/NDF:5869017.6/34

All: 328.982+/-0.040 χ^2/NDF: 12259167.1/65



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -51.269+/-14.303 χ^2/NDF:30.0/15

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -27.684+/-14.362 χ^2/NDF:14.2/14

Left: -39.526+/-10.135 χ^2/NDF: 45.5/30

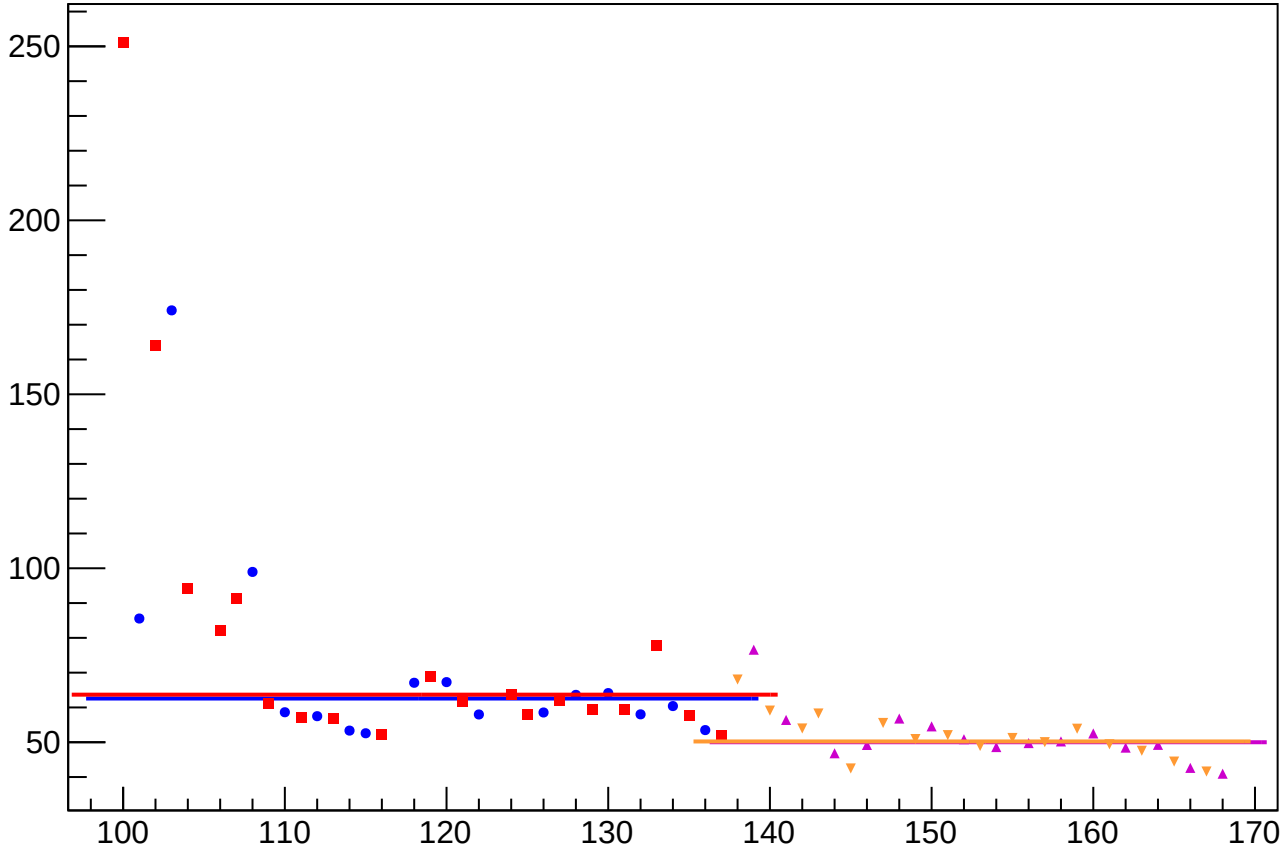
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -9.485+/-12.352 χ^2/NDF:33.9/30

Out: -20.532+/-12.342 χ^2/NDF:73.4/34

All: -15.013+/-8.730 χ^2/NDF: 107.6/65

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

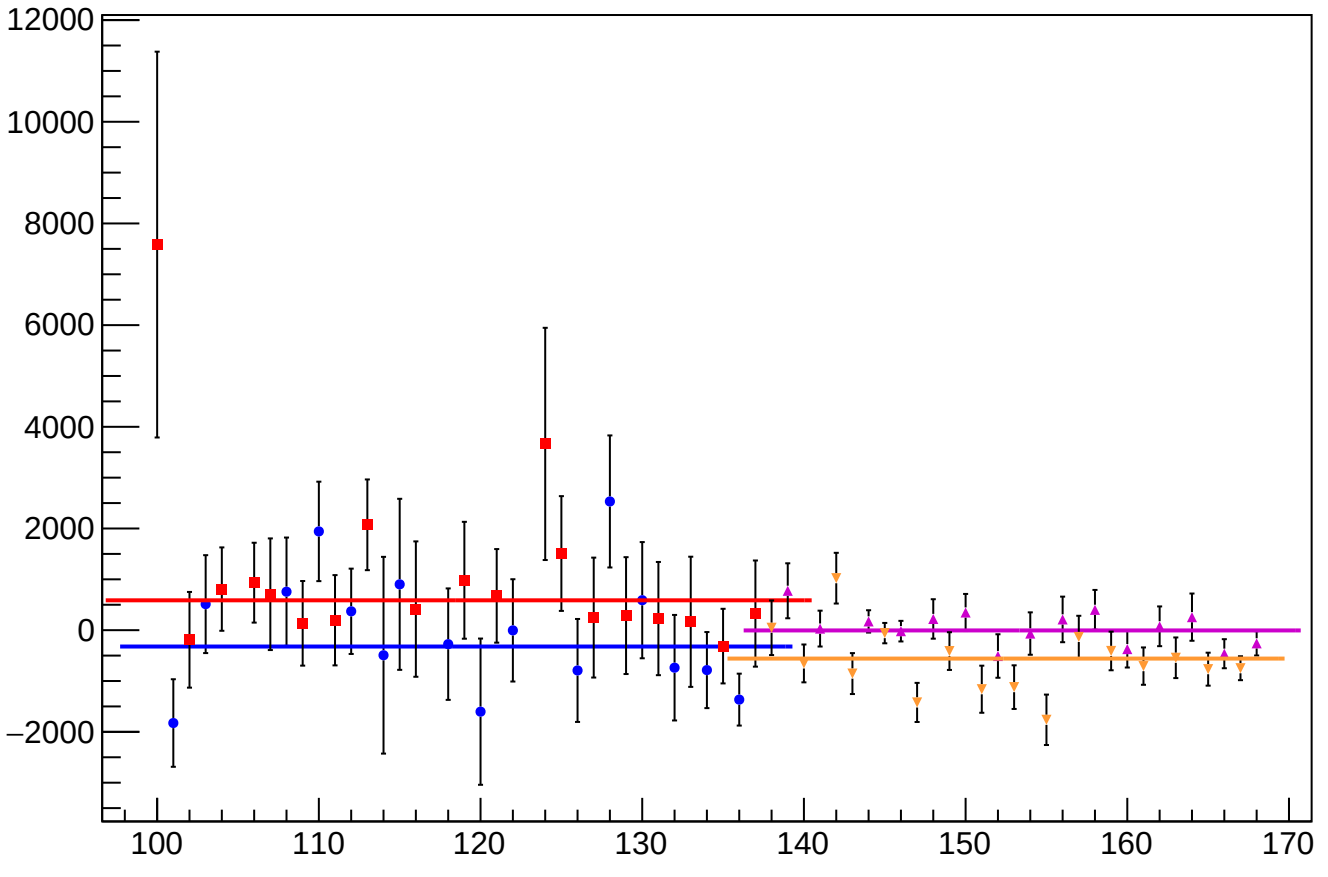
Left: 50.112+/-0.007 χ^2/NDF: 747979.4/30

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 53.271+/-0.009 χ^2/NDF:1553680.4/30

Out: 53.659+/-0.009 χ^2/NDF:1634601.2/34

All: 53.465+/-0.006 χ^2/NDF: 3189271.9/65



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -558.778+/-88.408 χ^2/NDF:35.1/15

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -5.064+/-83.939 χ^2/NDF:11.8/14

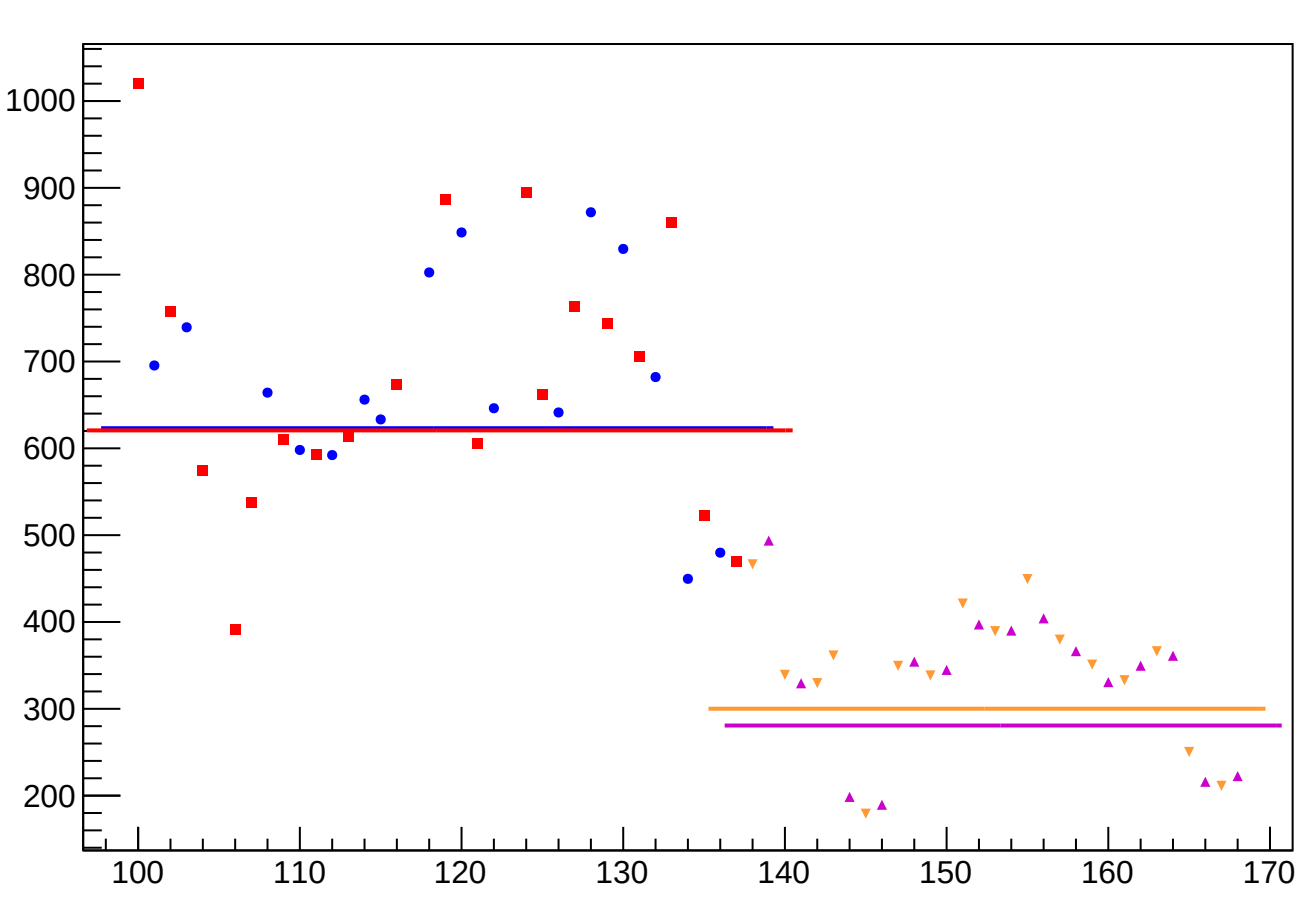
Left: -267.574+/-60.872 χ^2/NDF: 67.5/30

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -39.961+/-79.178 χ^2/NDF:36.1/30

Out: -415.715+/-82.706 χ^2/NDF:68.2/34

All: -219.654+/-57.194 χ^2/NDF: 115.1/65



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 280.750+/-0.059 χ^2/NDF:2082337.6/14

Left: 289.926+/-0.043 χ^2/NDF: 4098969.5/30

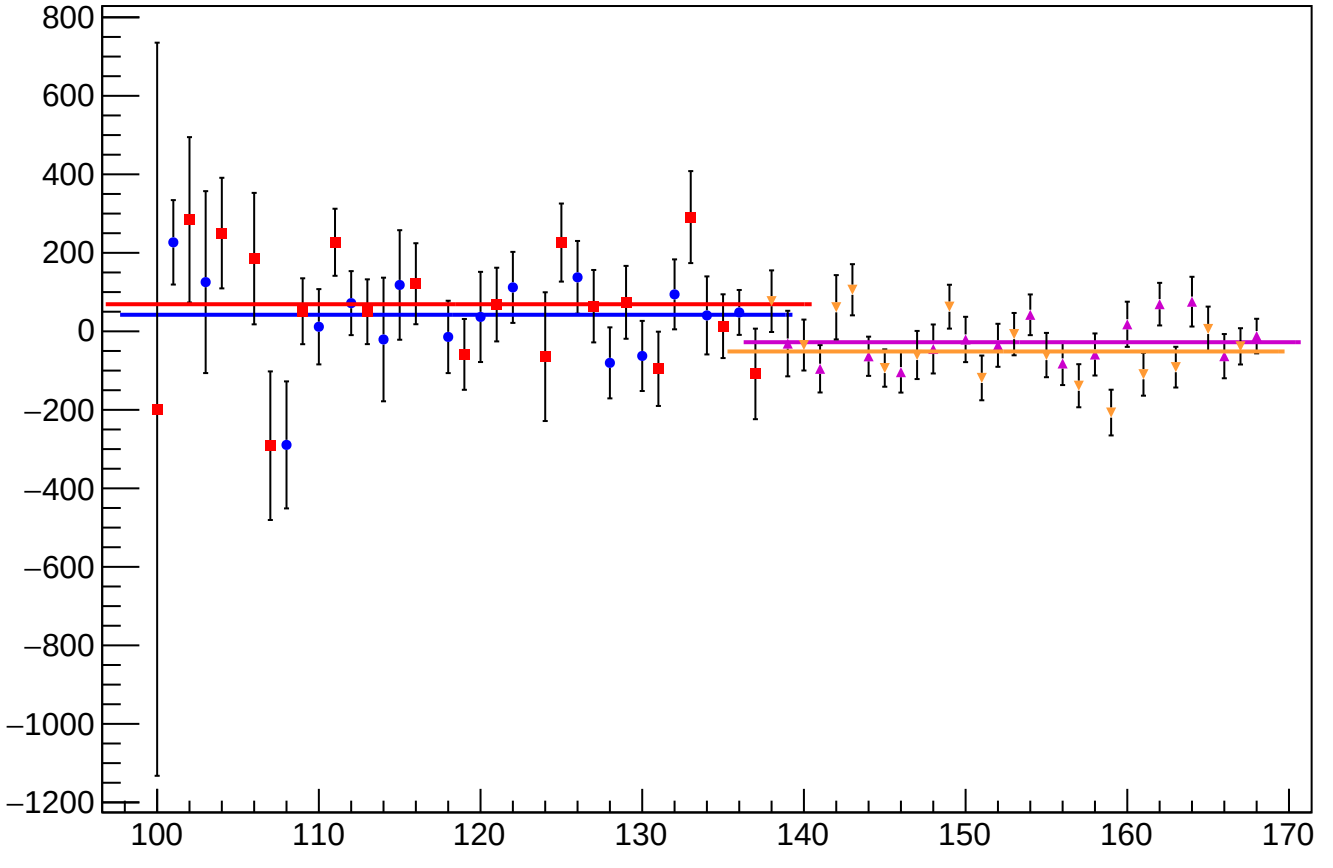
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 318.496+/-0.056 χ^2/NDF:6316871.9/30

Out: 340.124+/-0.058 χ^2/NDF:5859425.3/34

All: 328.839+/-0.040 χ^2/NDF: 12247664.7/65

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: -51.269+/-14.303 χ^2/NDF:30.0/15

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -27.684+/-14.362 χ^2/NDF:14.2/14

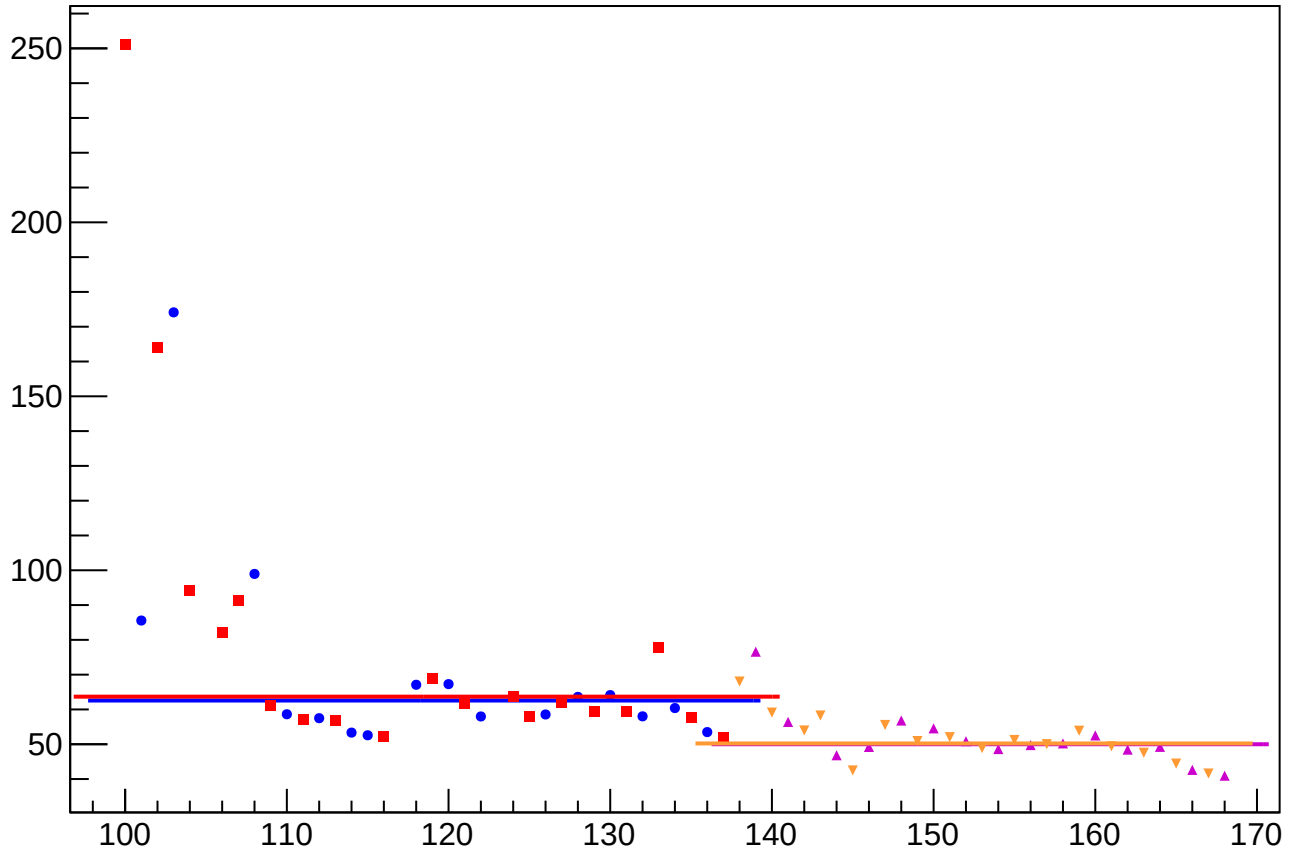
Left: -39.526+/-10.135 χ^2/NDF: 45.5/30

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -9.485+/-12.352 χ^2/NDF:33.9/30

Out: -20.532+/-12.342 χ^2/NDF:73.4/34

All: -15.013+/-8.730 χ^2/NDF: 107.6/65



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 50.224+/-0.010 χ^2/NDF:351314.0/15

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.999+/-0.010 χ^2/NDF:396419.8/14

Left: 50.112+/-0.007 χ^2/NDF: 747979.4/30

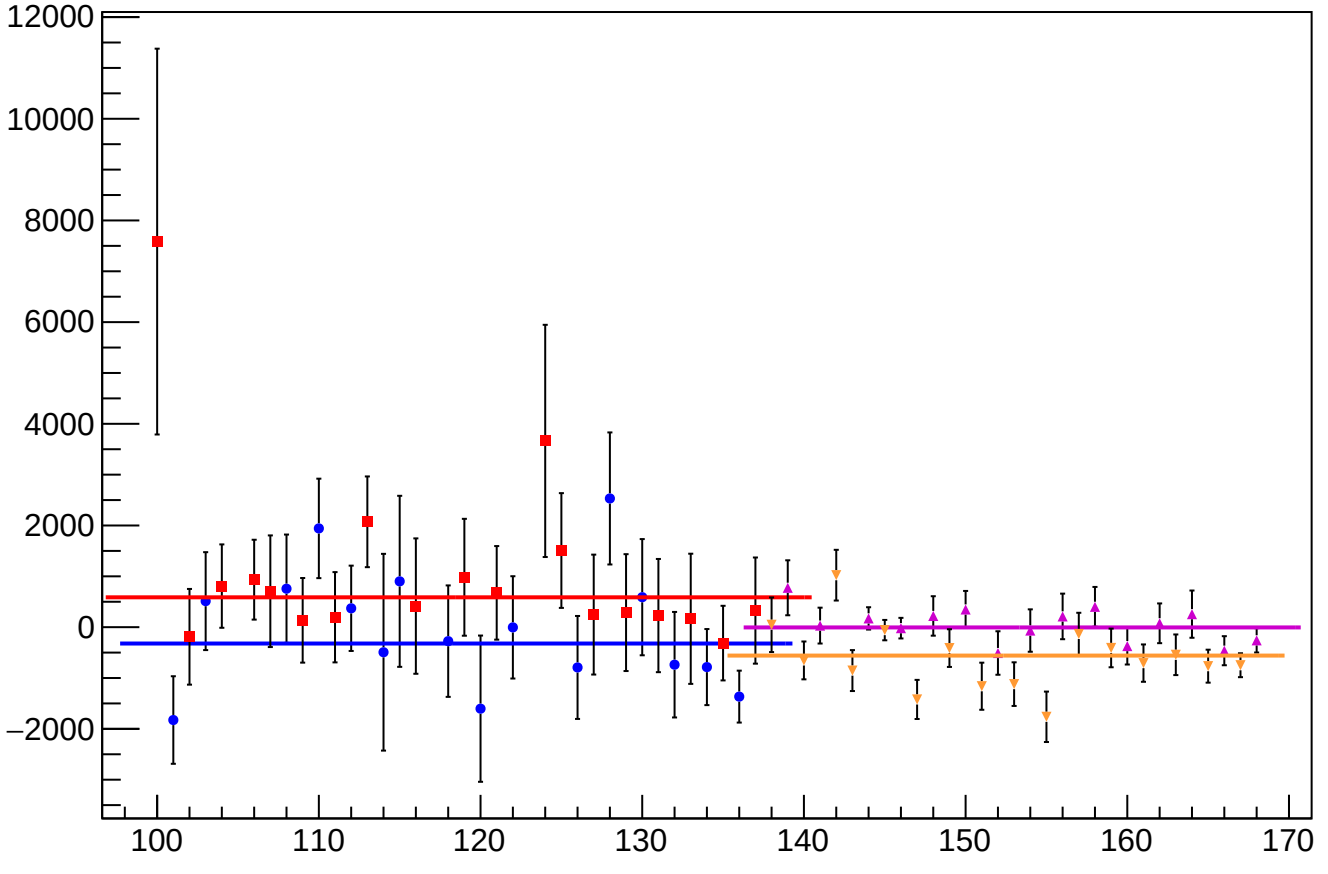
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 53.271+/-0.009 χ^2/NDF:1553680.4/30

Out: 53.659+/-0.009 χ^2/NDF:1634601.2/34

All: 53.465+/-0.006 χ^2/NDF: 3189271.9/65

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: -558.778+/-88.408 χ^2/NDF:35.1/15

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -5.064+/-83.939 χ^2/NDF:11.8/14

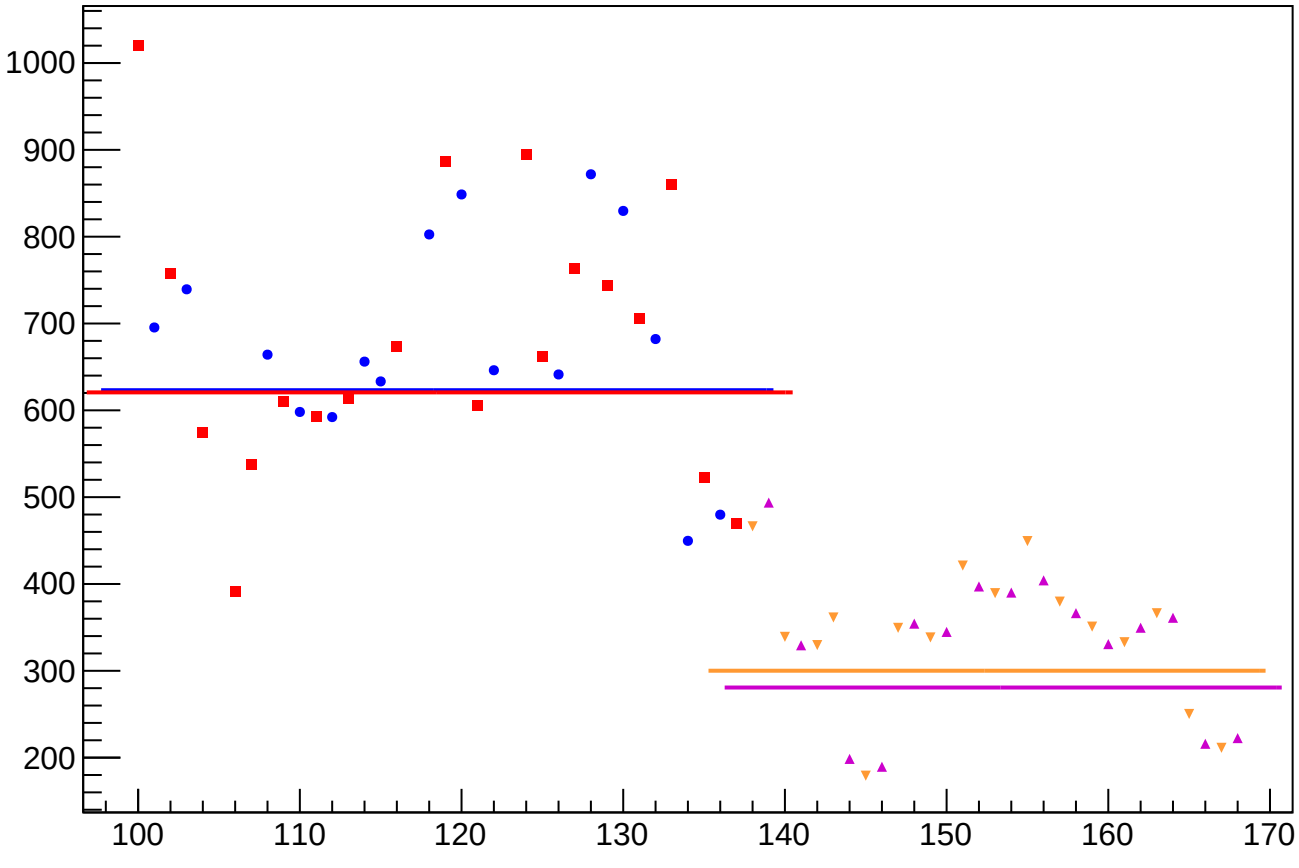
Left: -267.574+/-60.872 χ^2/NDF: 67.5/30

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -39.961+/-79.178 χ^2/NDF:36.1/30

Out: -415.715+/-82.706 χ^2/NDF:68.2/34

All: -219.654+/-57.194 χ^2/NDF: 115.1/65



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.105+/-0.063 χ^2/NDF:1966214.7/15

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 280.750+/-0.059 χ^2/NDF:2082337.6/14

Left: 289.926+/-0.043 χ^2/NDF: 4098969.5/30

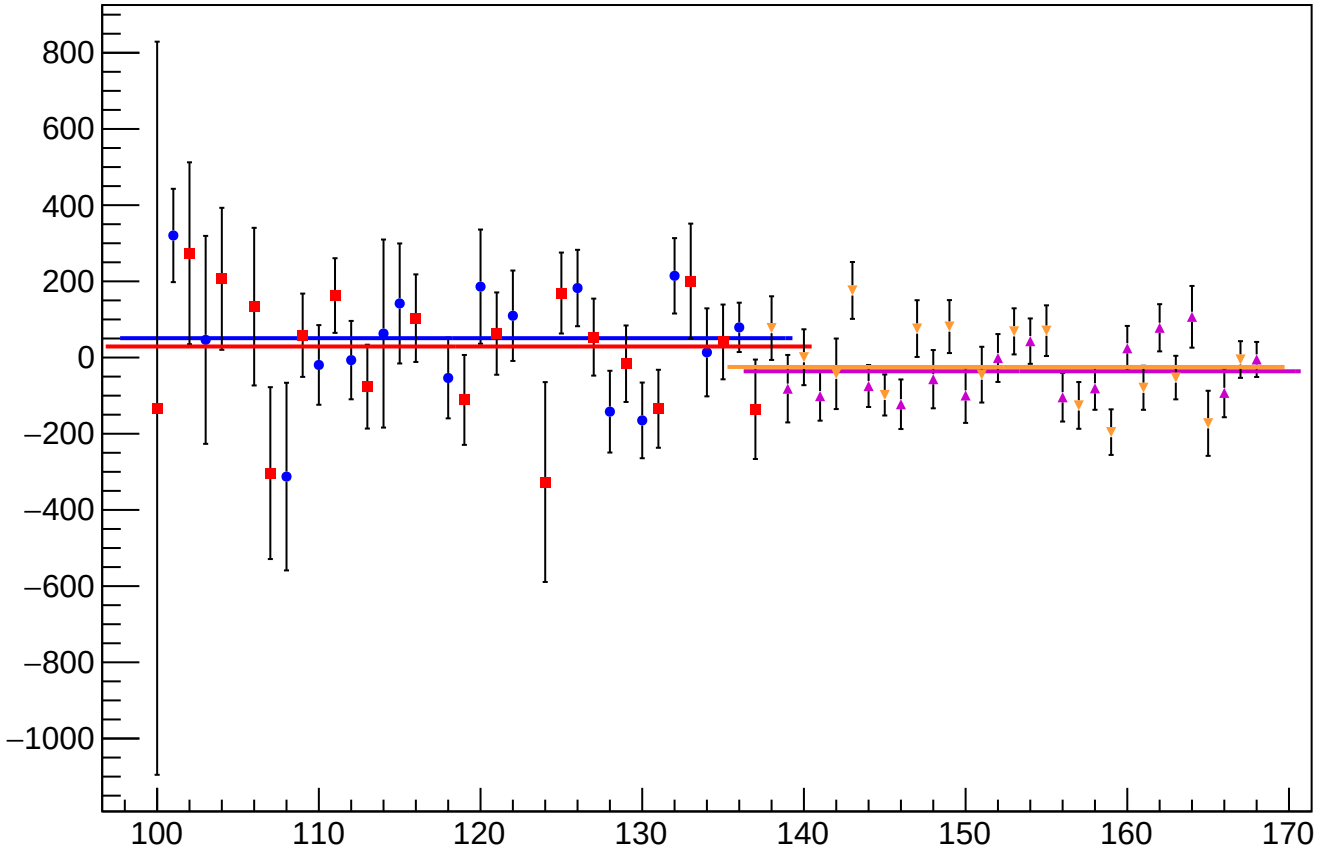
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 318.496+/-0.056 χ^2/NDF:6316871.9/30

Out: 340.124+/-0.058 χ^2/NDF:5859425.3/34

All: 328.839+/-0.040 χ^2/NDF: 12247664.7/65

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.707+/-16.306 χ^2/NDF:34.6/15

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.082+/-16.195 χ^2/NDF:17.0/14

Left: -30.433+/-11.491 χ^2/NDF: 51.9/30

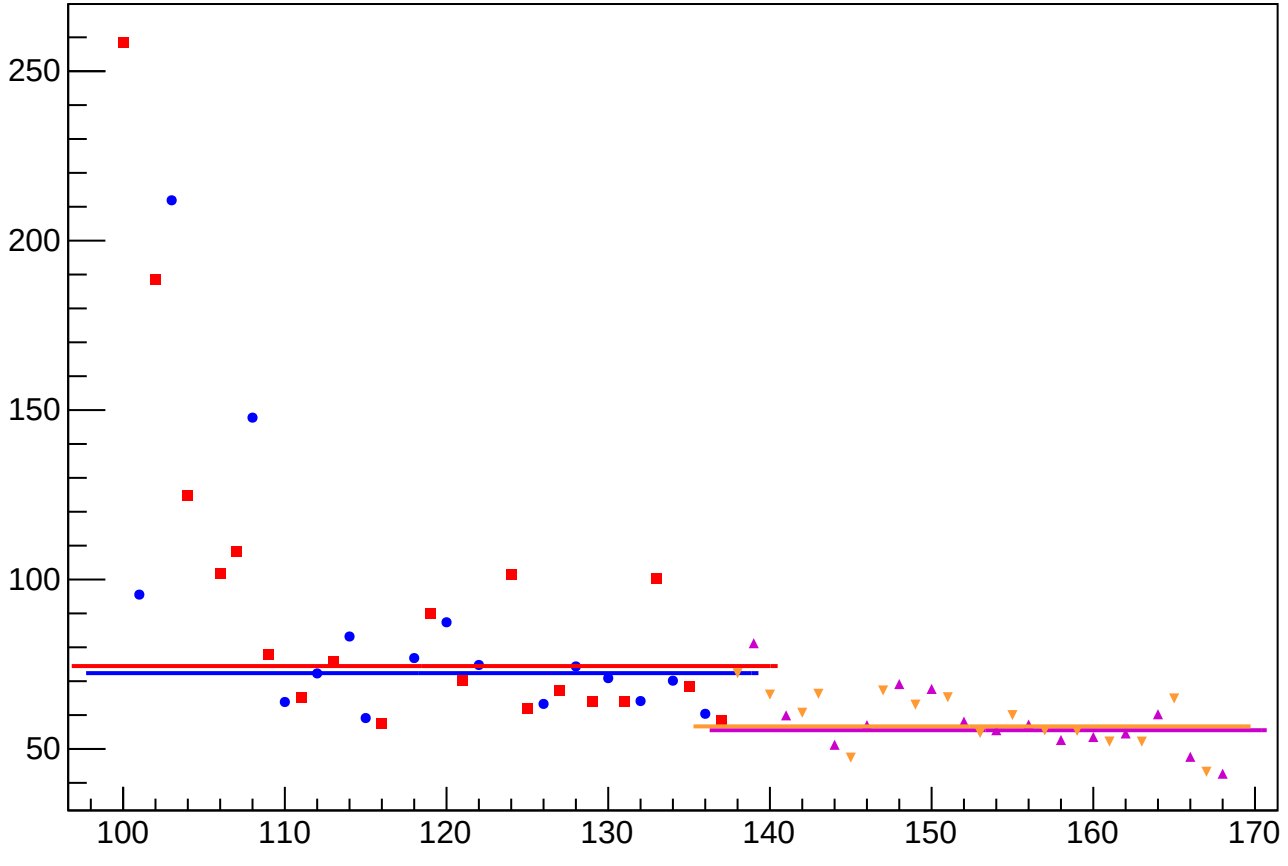
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -14.657+/-14.058 χ^2/NDF:47.0/30

Out: -11.735+/-14.203 χ^2/NDF:55.7/34

All: -13.211+/-9.991 χ^2/NDF: 102.8/65

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 56.664+/-0.012 χ^2/NDF:490653.2/15

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 55.534+/-0.011 χ^2/NDF:516409.5/14

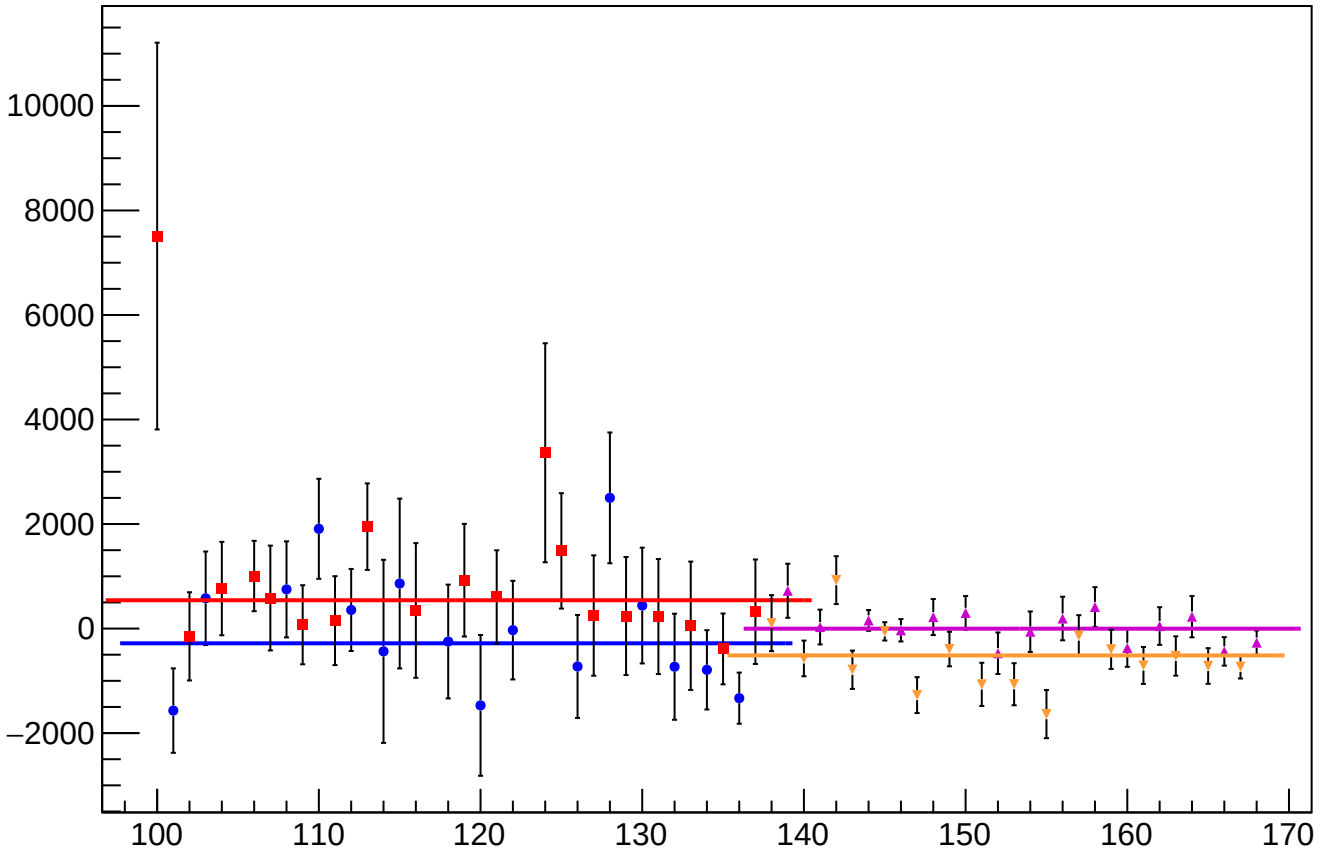
Left: 56.095+/-0.008 χ^2/NDF: 1011891.6/30

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 59.686+/-0.010 χ^2/NDF:1987804.9/30

Out: 60.960+/-0.010 χ^2/NDF:2118140.2/34

All: 60.316+/-0.007 χ^2/NDF: 4114068.0/65



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -2.126+/-79.696 χ^2/NDF:12.0/14

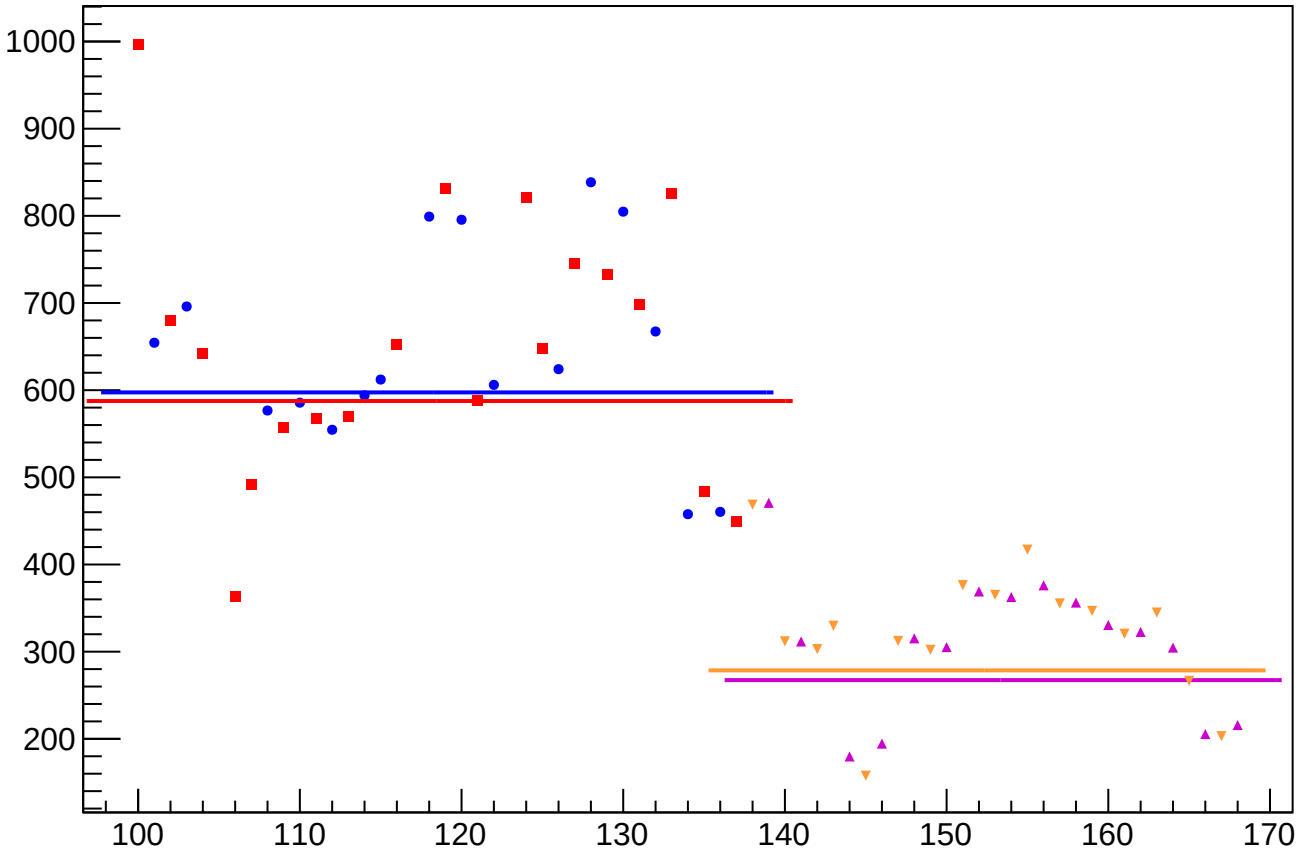
Left: -250.410+/-57.206 χ^2/NDF: 68.0/30

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -32.652+/-75.225 χ^2/NDF:36.1/30

Out: -385.932+/-77.009 χ^2/NDF:69.3/34

All: -205.153+/-53.812 χ^2/NDF: 116.2/65



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139796.3/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 267.374+/-0.056 χ^2/NDF:1857463.1/14

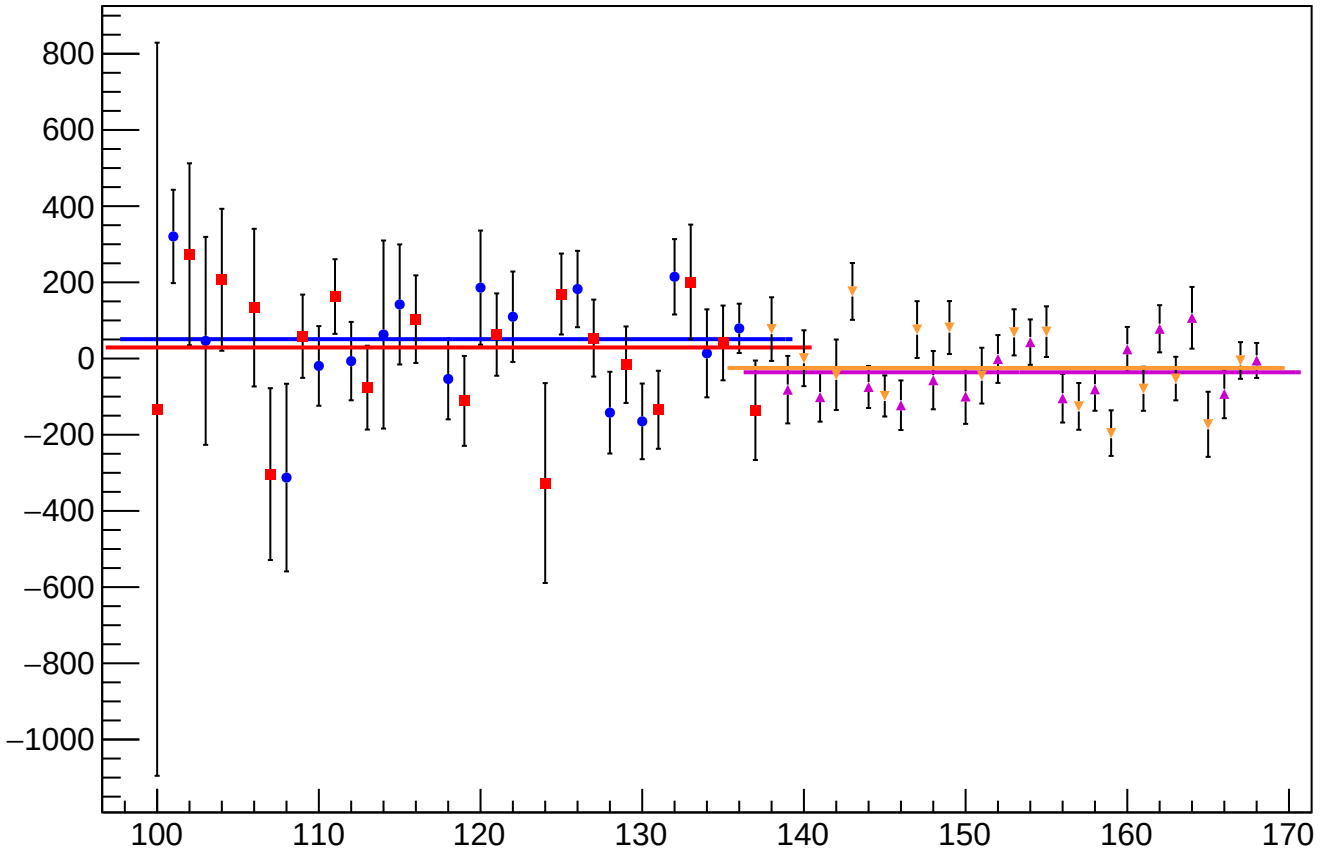
Left: 272.785+/-0.040 χ^2/NDF: 4016280.4/30

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 303.370+/-0.053 χ^2/NDF:6132455.1/30

Out: 316.092+/-0.054 χ^2/NDF:6267168.8/34

All: 309.582+/-0.038 χ^2/NDF: 12427555.8/65



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -24.706+/-16.306 χ^2/NDF:34.6/15

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.082+/-16.195 χ^2/NDF:17.0/14

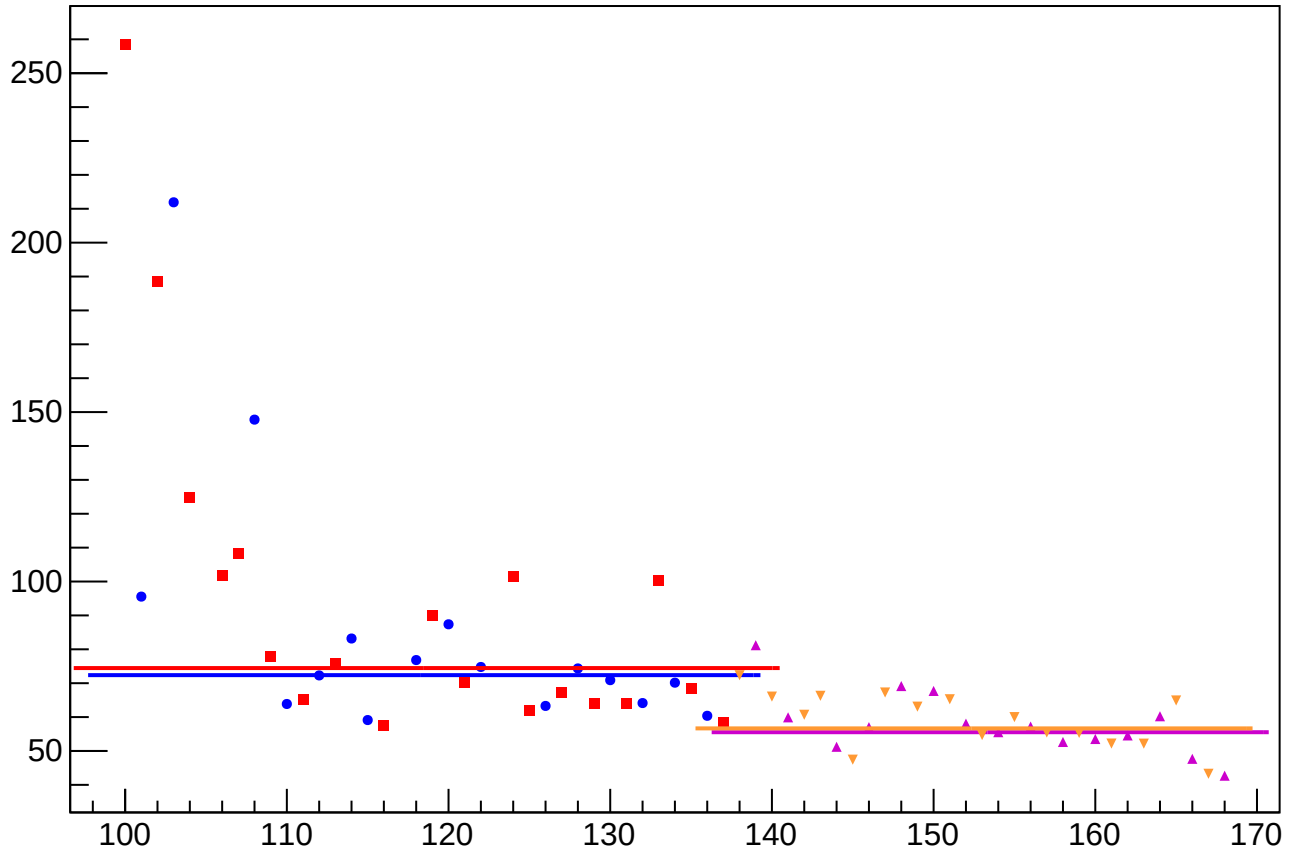
Left: -30.433+/-11.491 χ^2/NDF: 51.9/30

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -14.657+/-14.058 χ^2/NDF:47.0/30

Out: -11.735+/-14.203 χ^2/NDF:55.7/34

All: -13.211+/-9.991 χ^2/NDF: 102.8/65



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 56.664+/-0.012 χ^2/NDF:490669.0/15

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 55.535+/-0.011 χ^2/NDF:516416.1/14

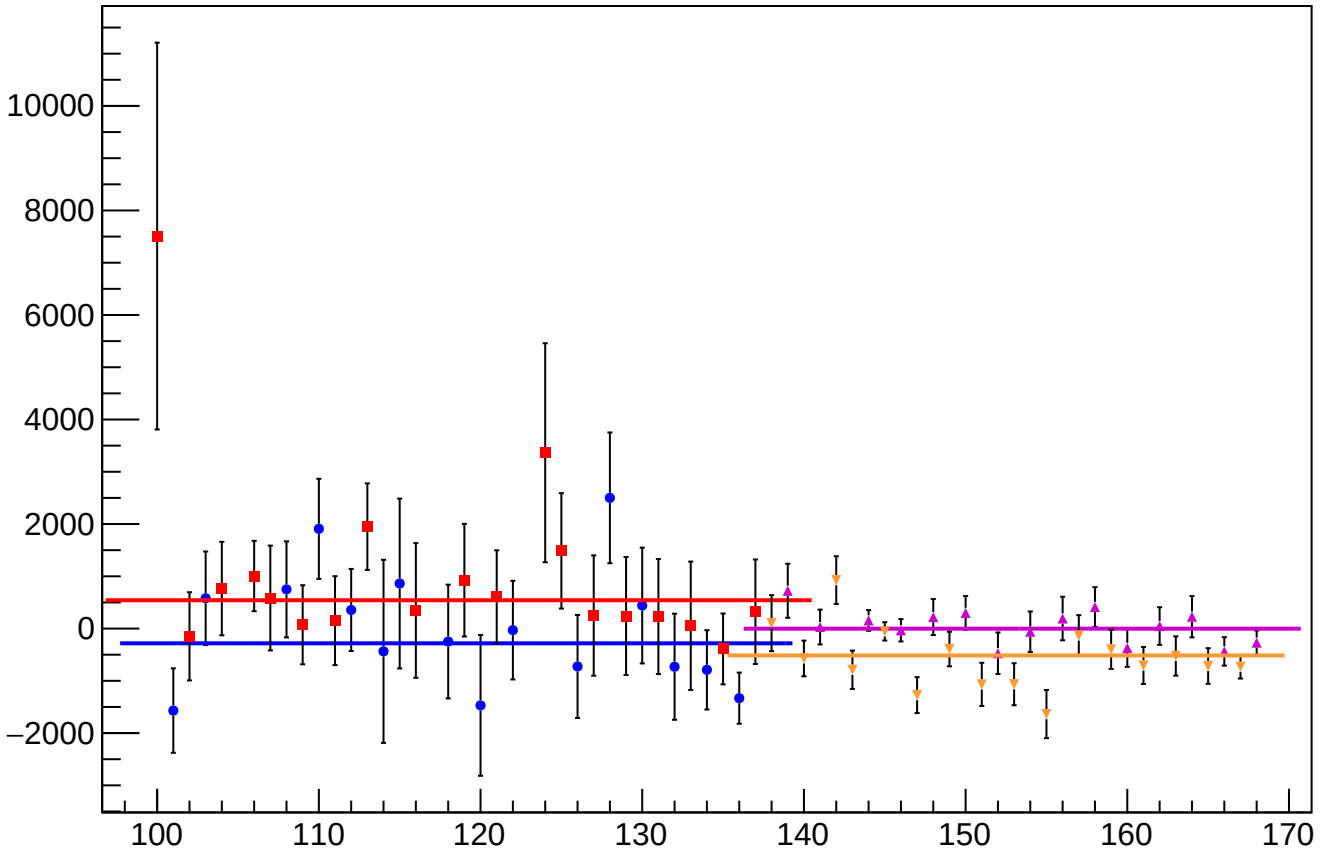
Left: 56.095+/-0.008 χ^2/NDF: 1011914.4/30

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 59.686+/-0.010 χ^2/NDF:1987800.6/30

Out: 60.960+/-0.010 χ^2/NDF:2118135.1/34

All: 60.317+/-0.007 χ^2/NDF: 4114059.1/65



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -514.304+/-82.163 χ^2/NDF:36.0/15

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -2.126+/-79.696 χ^2/NDF:12.0/14

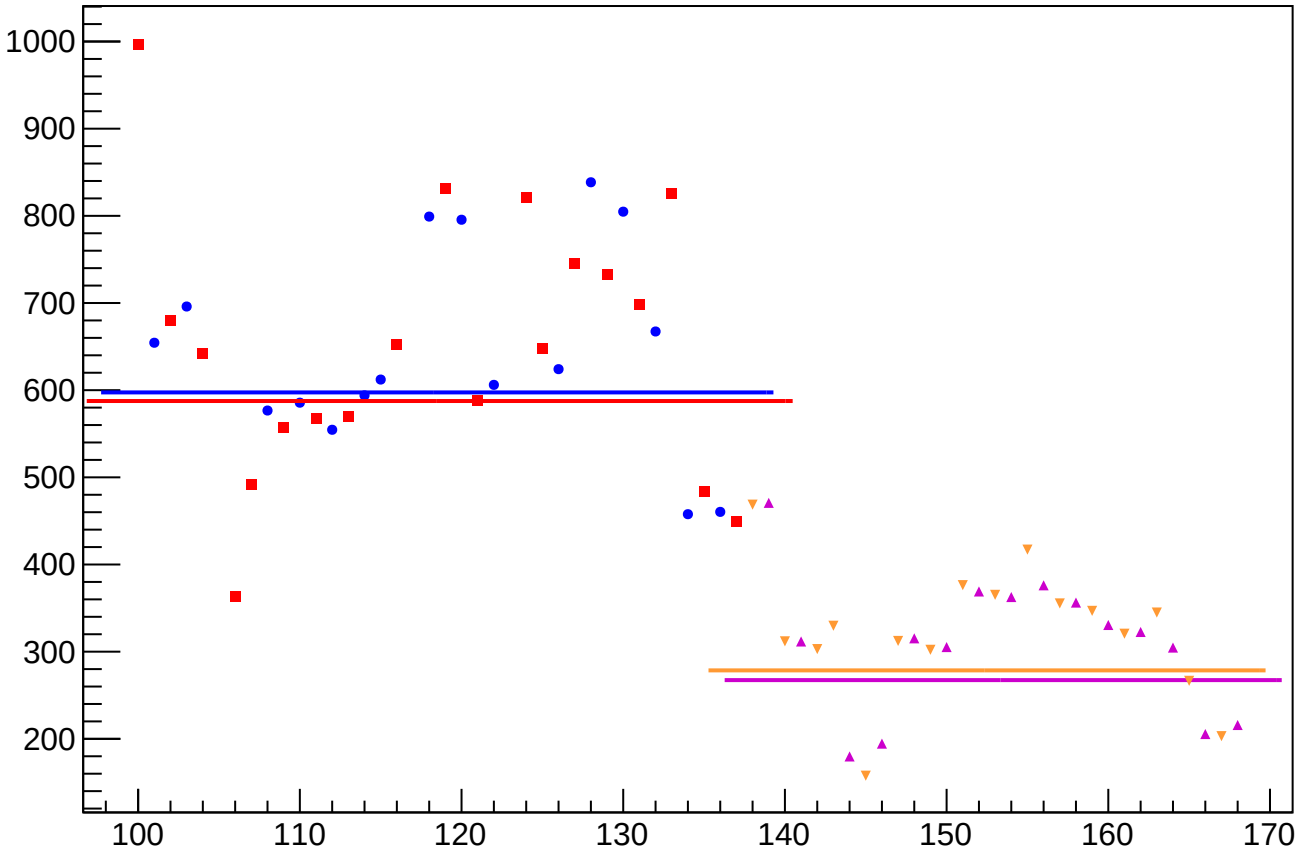
Left: -250.410+/-57.206 χ^2/NDF: 68.0/30

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -32.653+/-75.225 χ^2/NDF:36.1/30

Out: -385.932+/-77.009 χ^2/NDF:69.3/34

All: -205.153+/-53.812 χ^2/NDF: 116.2/65



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 278.536+/-0.058 χ^2/NDF:2139787.2/15

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 267.373+/-0.056 χ^2/NDF:1857456.7/14

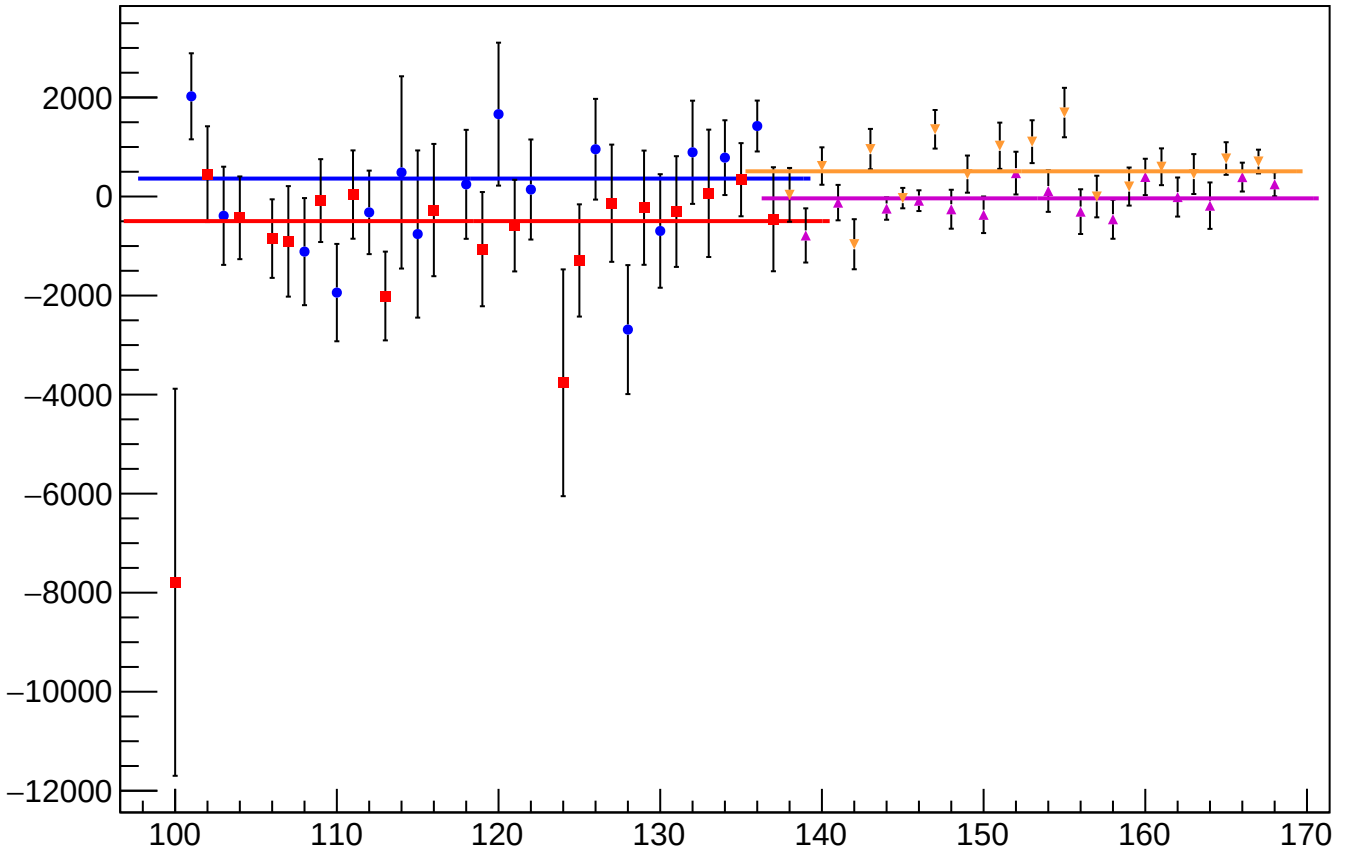
Left: 272.785+/-0.040 χ^2/NDF: 4016265.1/30

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 303.369+/-0.053 χ^2/NDF:6132457.6/30

Out: 316.091+/-0.054 χ^2/NDF:6267160.1/34

All: 309.581+/-0.038 χ^2/NDF: 12427549.9/65



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 508.982+/-89.810 χ^2/NDF:34.5/15

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -37.182+/-85.516 χ^2/NDF:12.0/14

Left: 222.533+/-61.931 χ^2/NDF: 65.8/30

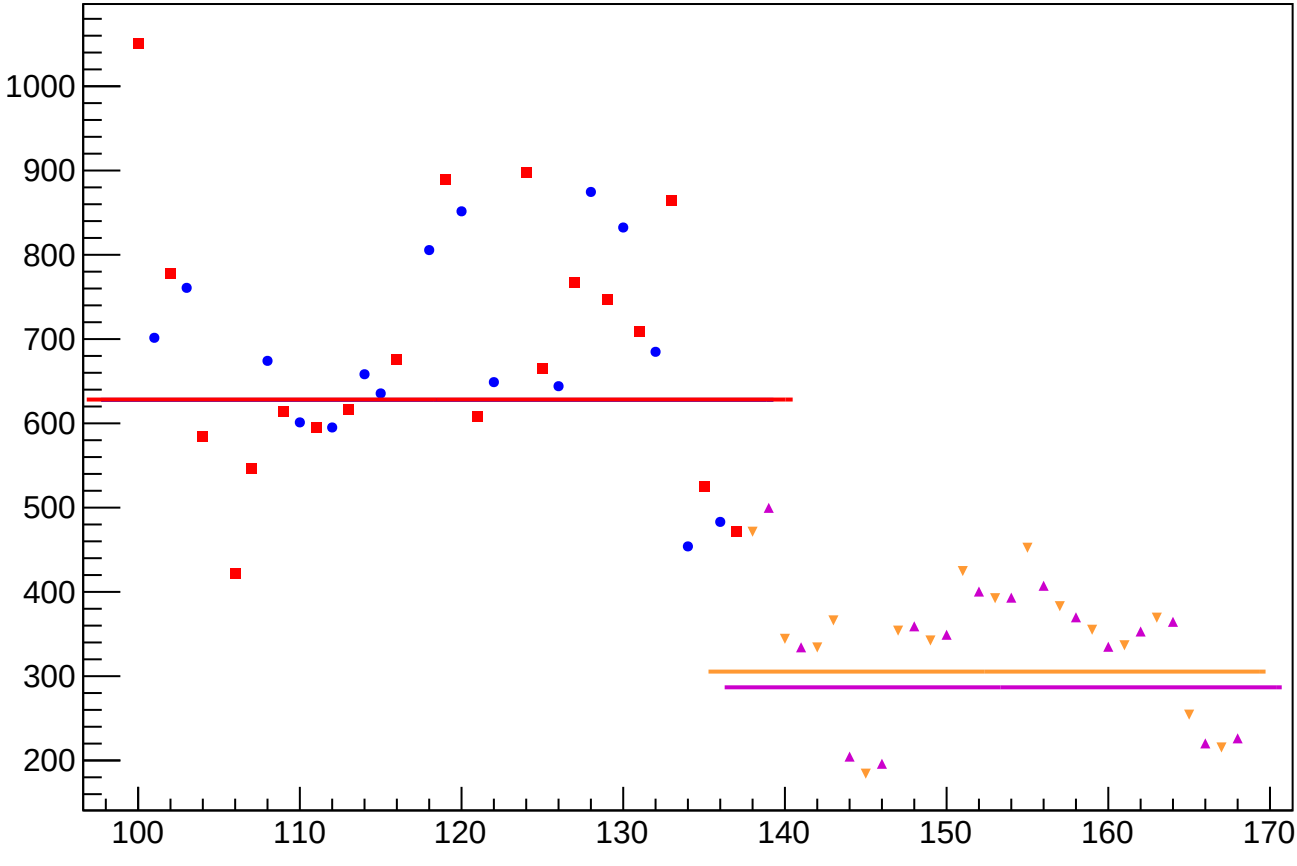
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 7.732+/-80.567 χ^2/NDF:39.5/30

Out: 381.799+/-83.939 χ^2/NDF:63.0/34

All: 187.101+/-58.125 χ^2/NDF: 112.8/65

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 305.436+/-0.064 χ^2/NDF:1881837.4/15

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 286.779+/-0.060 χ^2/NDF:1974867.7/14

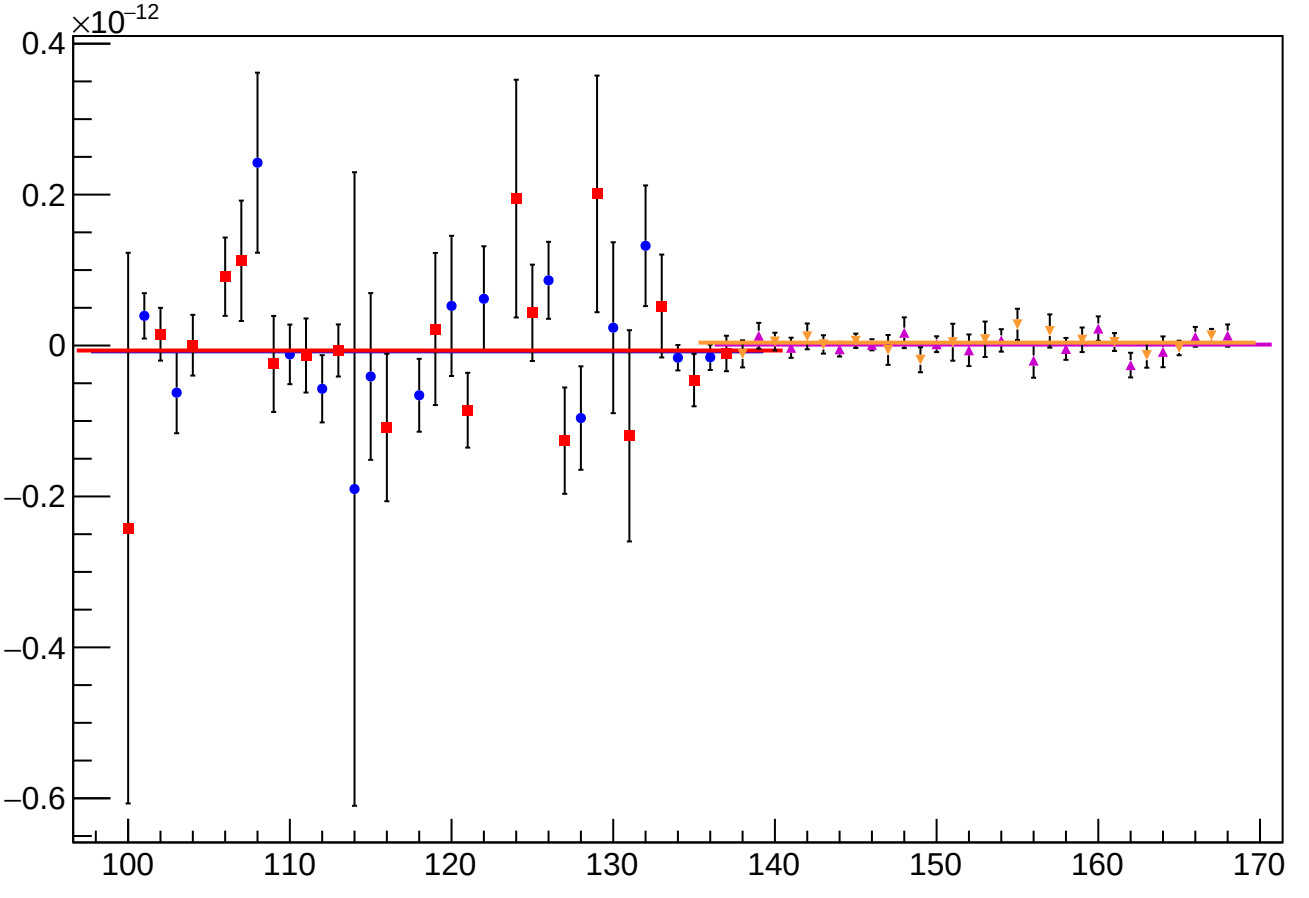
Left: 295.651+/-0.044 χ^2/NDF: 3901974.1/30

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 325.123+/-0.057 χ^2/NDF:6118770.7/30

Out: 346.263+/-0.059 χ^2/NDF:5720807.0/34

All: 335.260+/-0.041 χ^2/NDF: 11905607.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/14

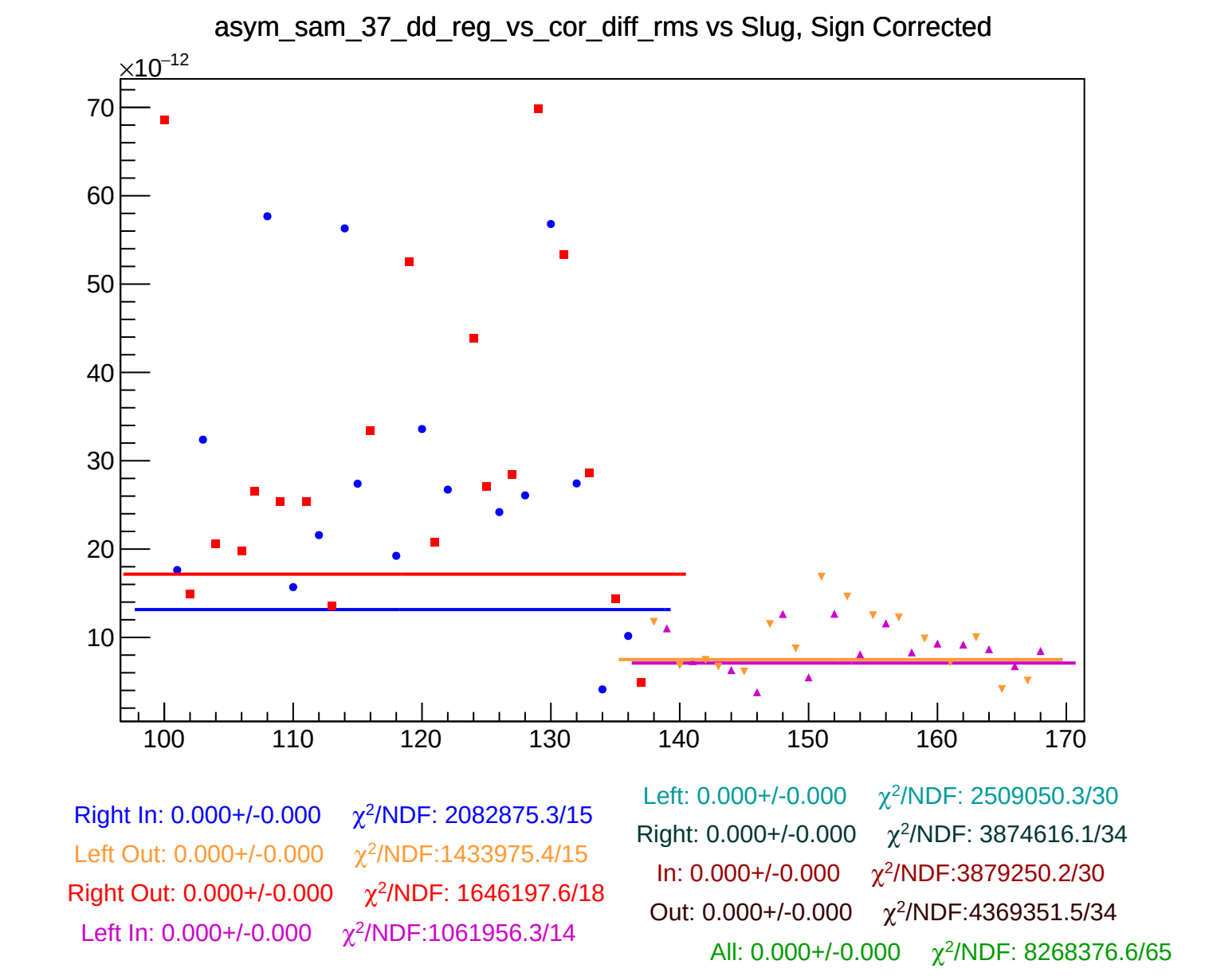
Left: 0.000+/-0.000 χ^2/NDF: 17.0/30

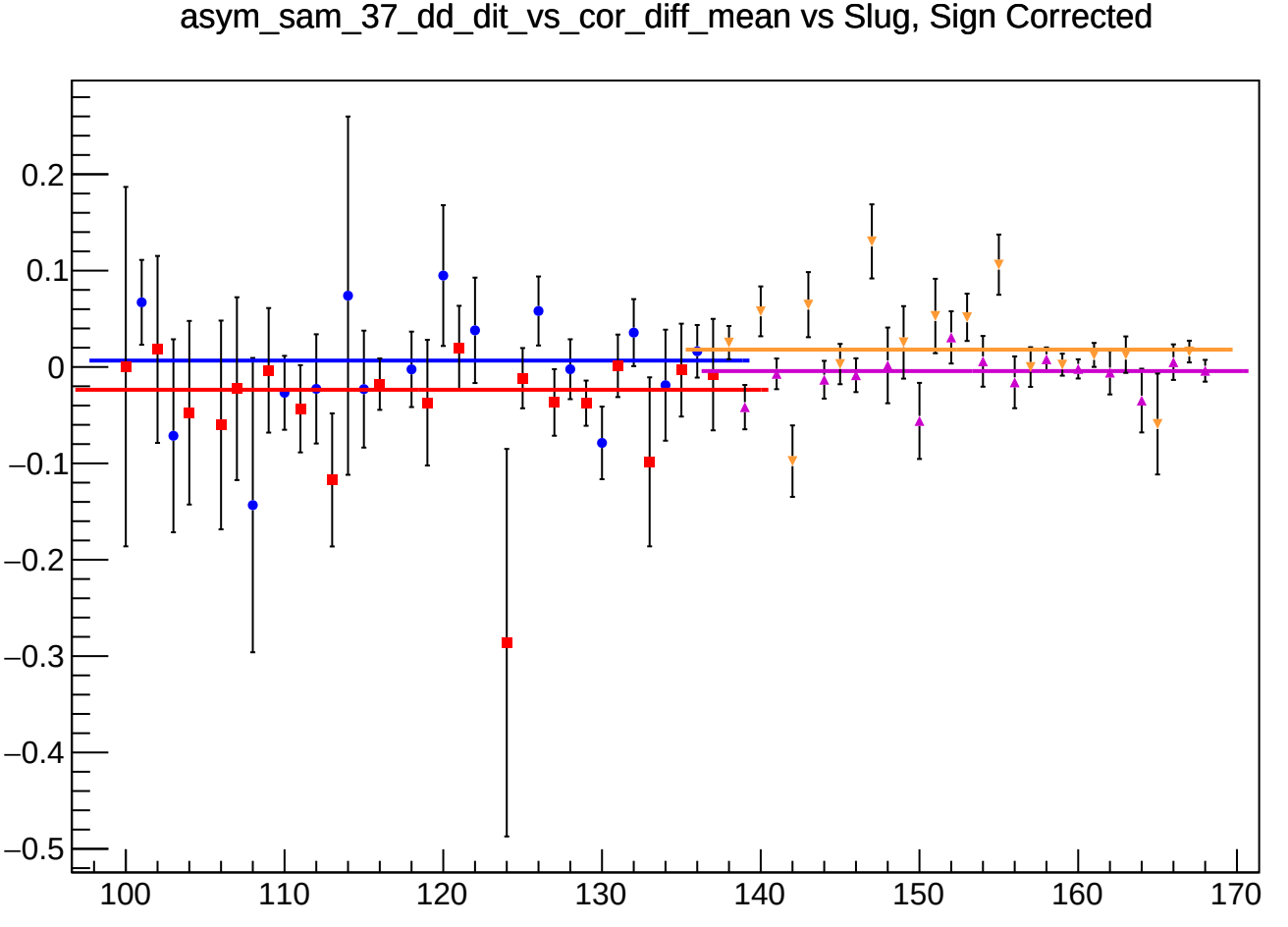
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:30.6/30

Out: 0.000+/-0.000 χ^2/NDF:28.6/34

All: 0.000+/-0.000 χ^2/NDF: 59.6/65


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1433975.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1061956.3/14
Left: 0.000+/-0.000 χ²/NDF: 2509050.3/30
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3879250.2/30
Out: 0.000+/-0.000 χ²/NDF:4369351.5/34
All: 0.000+/-0.000 χ²/NDF: 8268376.6/65



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.0/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/14

Left: 0.006+/-0.003 χ^2/NDF: 58.8/30

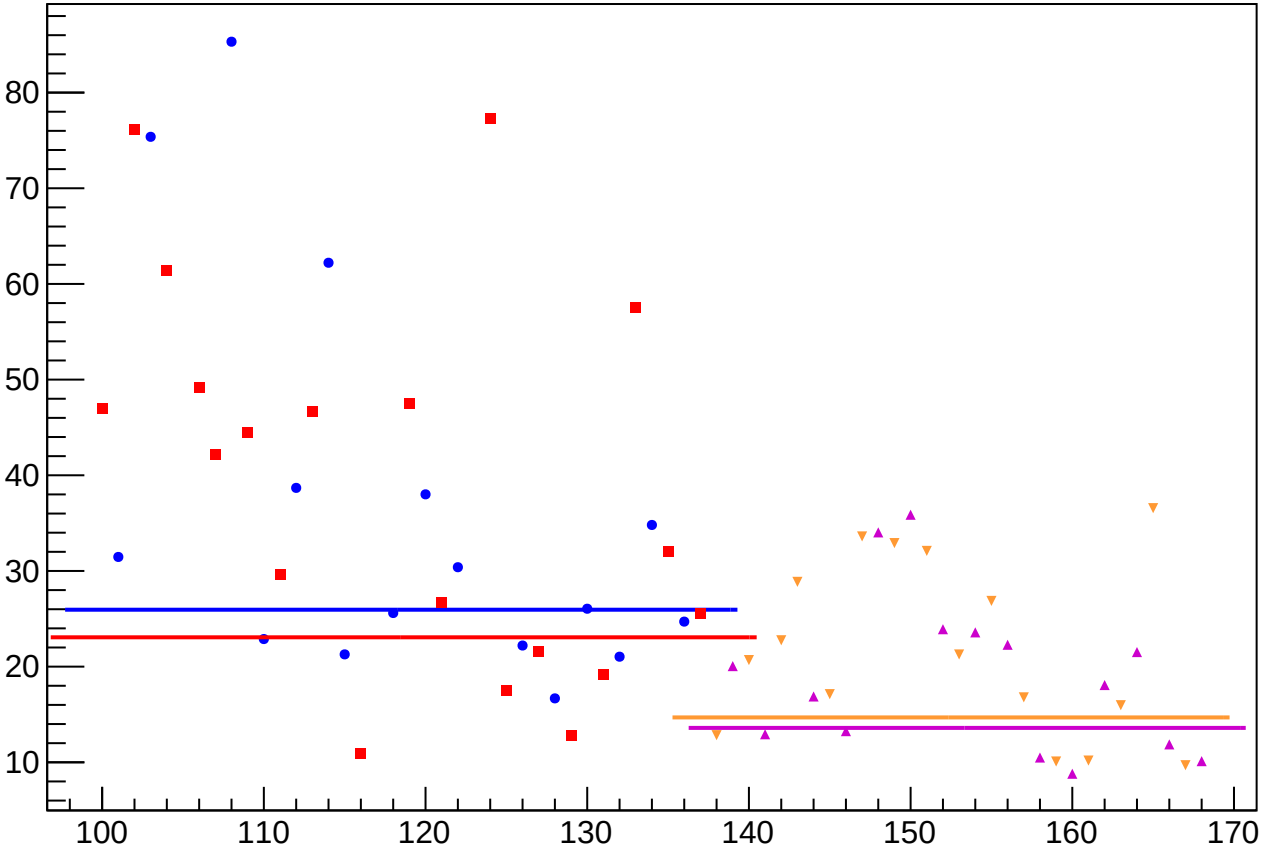
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.004 χ^2/NDF:24.7/30

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.7/65

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: 14.692+/-0.003 χ^2/NDF:3771761.8/15

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.596+/-0.003 χ^2/NDF:3171226.9/14

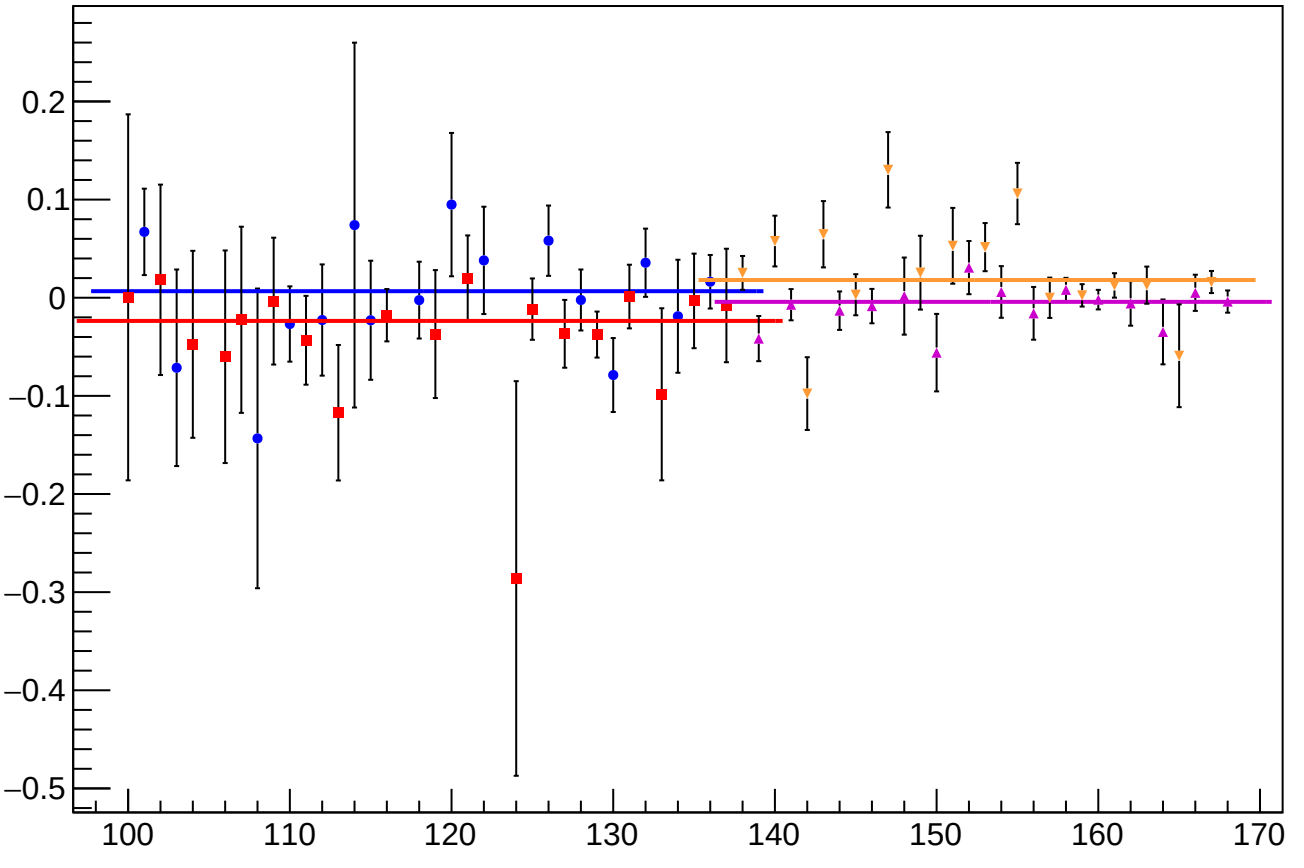
Left: 14.104+/-0.002 χ^2/NDF: 6995813.6/30

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.398+/-0.003 χ^2/NDF:6668652.2/30

Out: 16.207+/-0.003 χ^2/NDF:8174005.2/34

All: 15.781+/-0.002 χ^2/NDF: 14877166.9/65



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.0/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/14

Left: 0.006+/-0.003 χ^2/NDF: 58.8/30

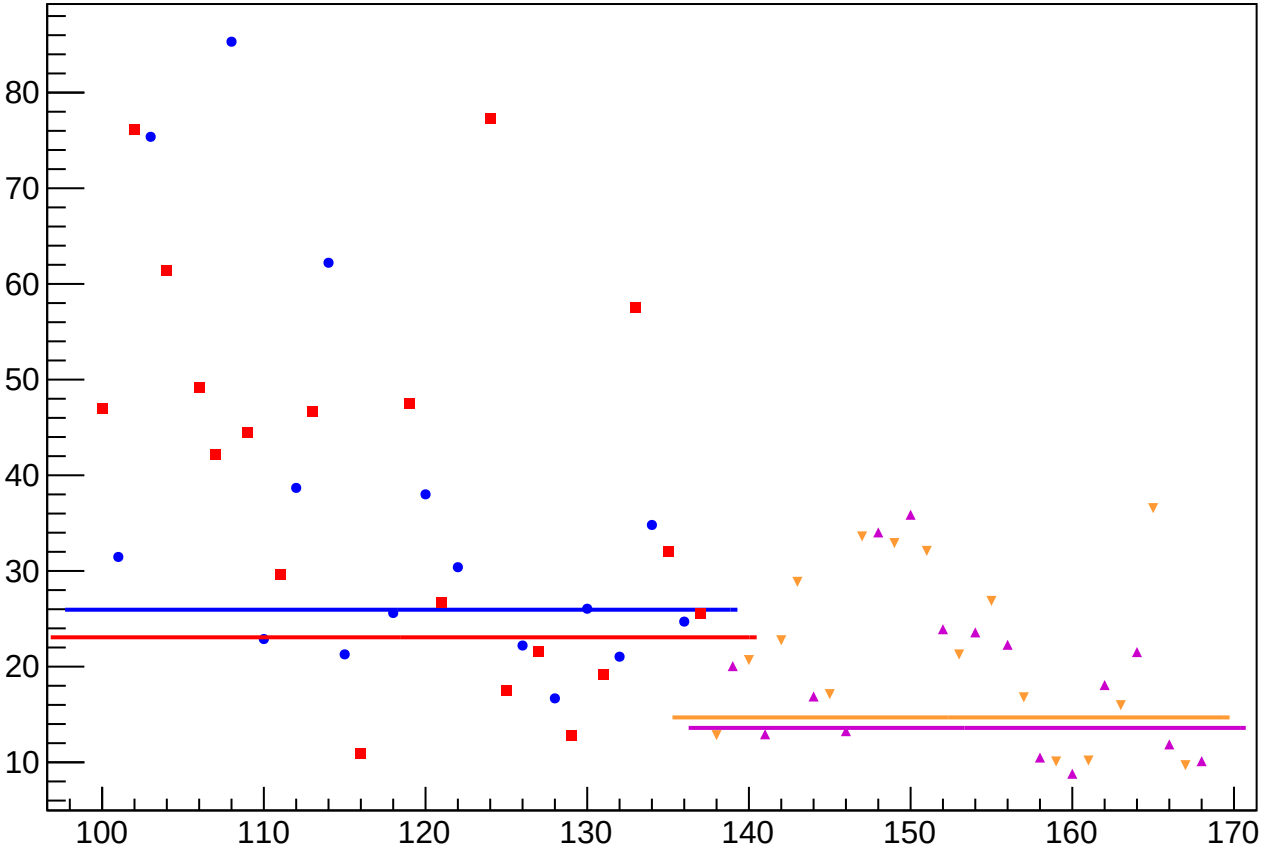
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.004 χ^2/NDF:24.7/30

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.7/65

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: 14.692+/-0.003 χ^2/NDF:3771761.8/15

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.596+/-0.003 χ^2/NDF:3171226.9/14

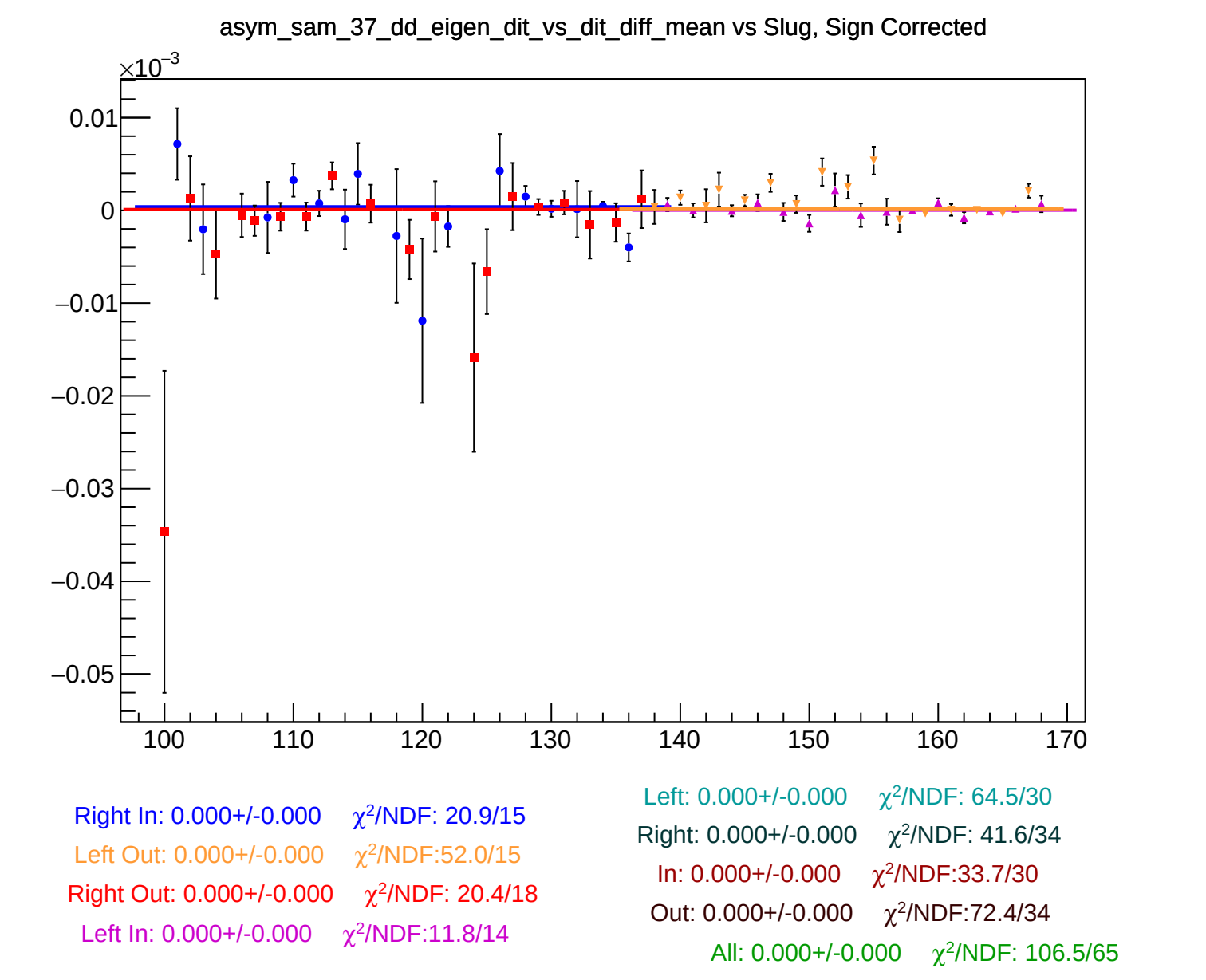
Left: 14.104+/-0.002 χ^2/NDF: 6995813.6/30

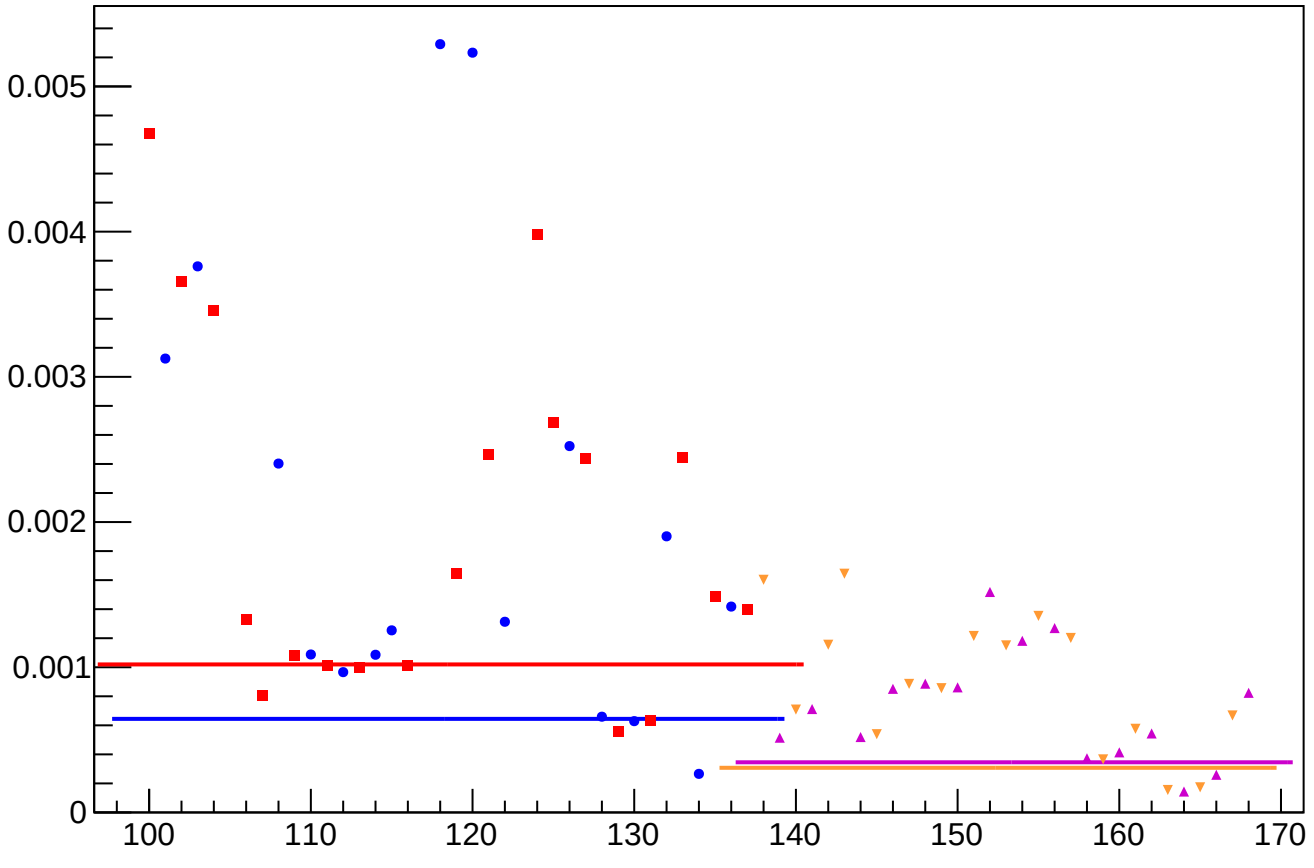
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.398+/-0.003 χ^2/NDF:6668652.2/30

Out: 16.207+/-0.003 χ^2/NDF:8174005.2/34

All: 15.781+/-0.002 χ^2/NDF: 14877166.9/65


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:52.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 20.4/18
Left In: 0.000+/-0.000 χ²/NDF:11.8/14
Left: 0.000+/-0.000 χ²/NDF: 64.5/30
Right: 0.000+/-0.000 χ²/NDF: 41.6/34
In: 0.000+/-0.000 χ²/NDF:33.7/30
Out: 0.000+/-0.000 χ²/NDF:72.4/34
All: 0.000+/-0.000 χ²/NDF: 106.5/65



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11245526.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8516993.2/14

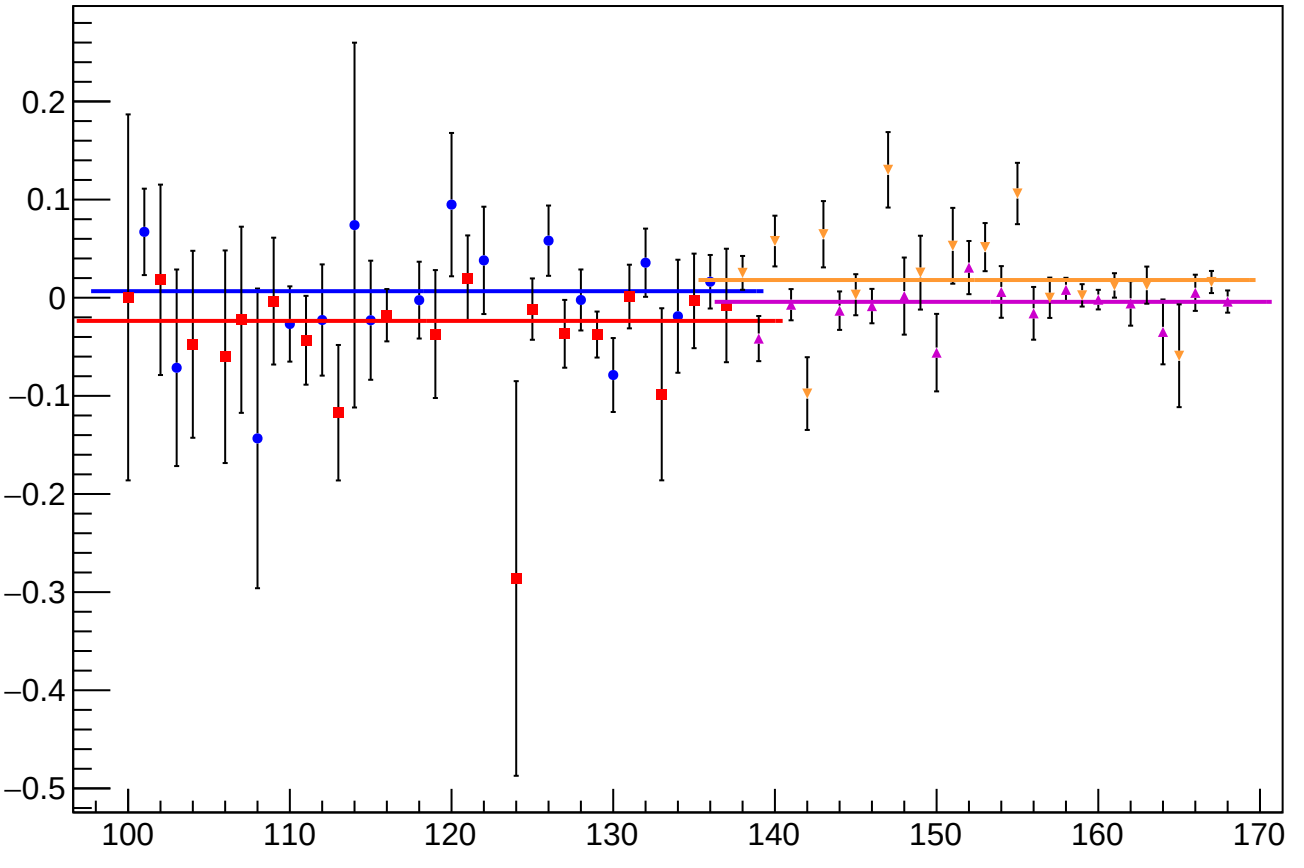
Left: 0.000+/-0.000 χ^2/NDF: 19855662.7/30

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:16445864.4/30

Out: 0.000+/-0.000 χ^2/NDF:19580334.8/34

All: 0.000+/-0.000 χ^2/NDF: 36083410.4/65



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.1/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/14

Left: 0.006+/-0.003 χ^2/NDF: 58.8/30

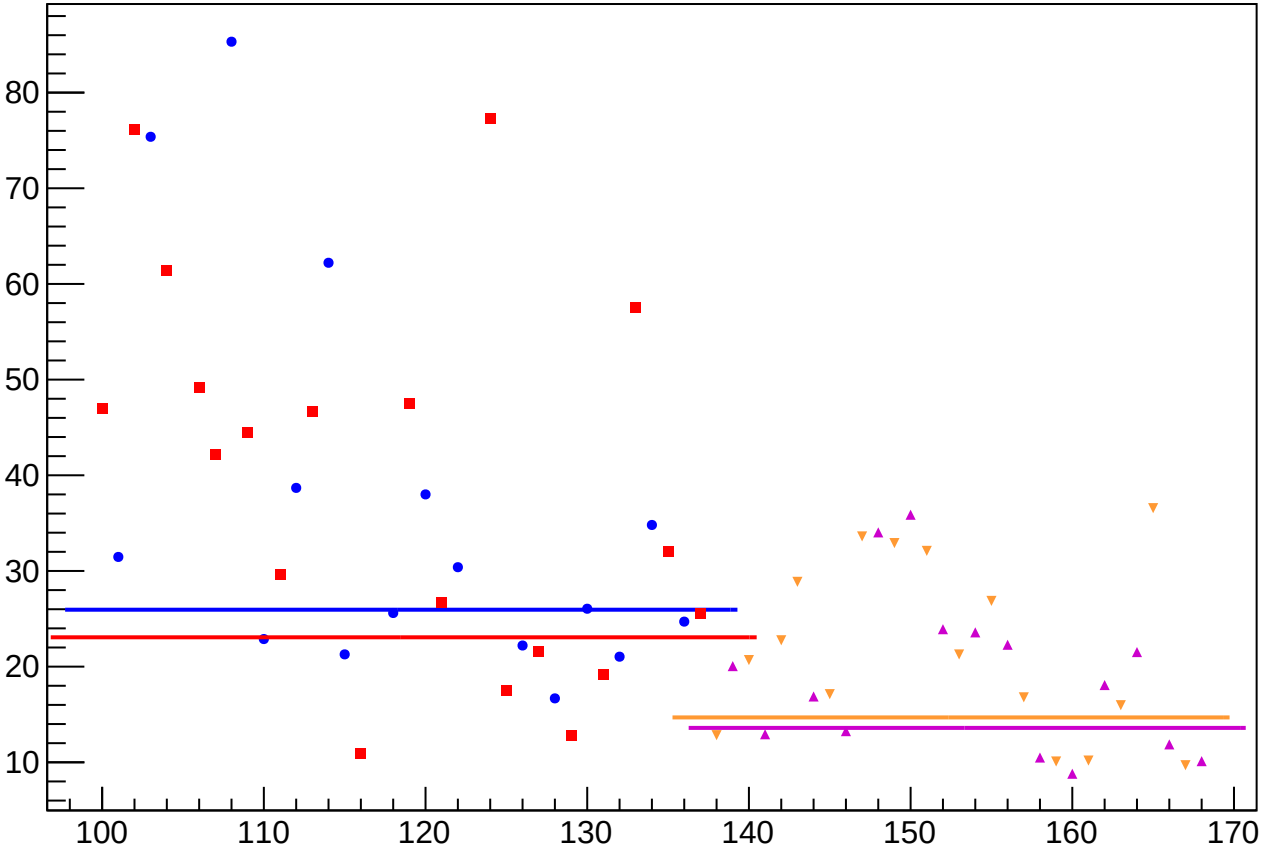
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.004 χ^2/NDF:24.7/30

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.7/65

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: 14.692+/-0.003 χ^2/NDF:3771935.1/15

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.596+/-0.003 χ^2/NDF:3171378.5/14

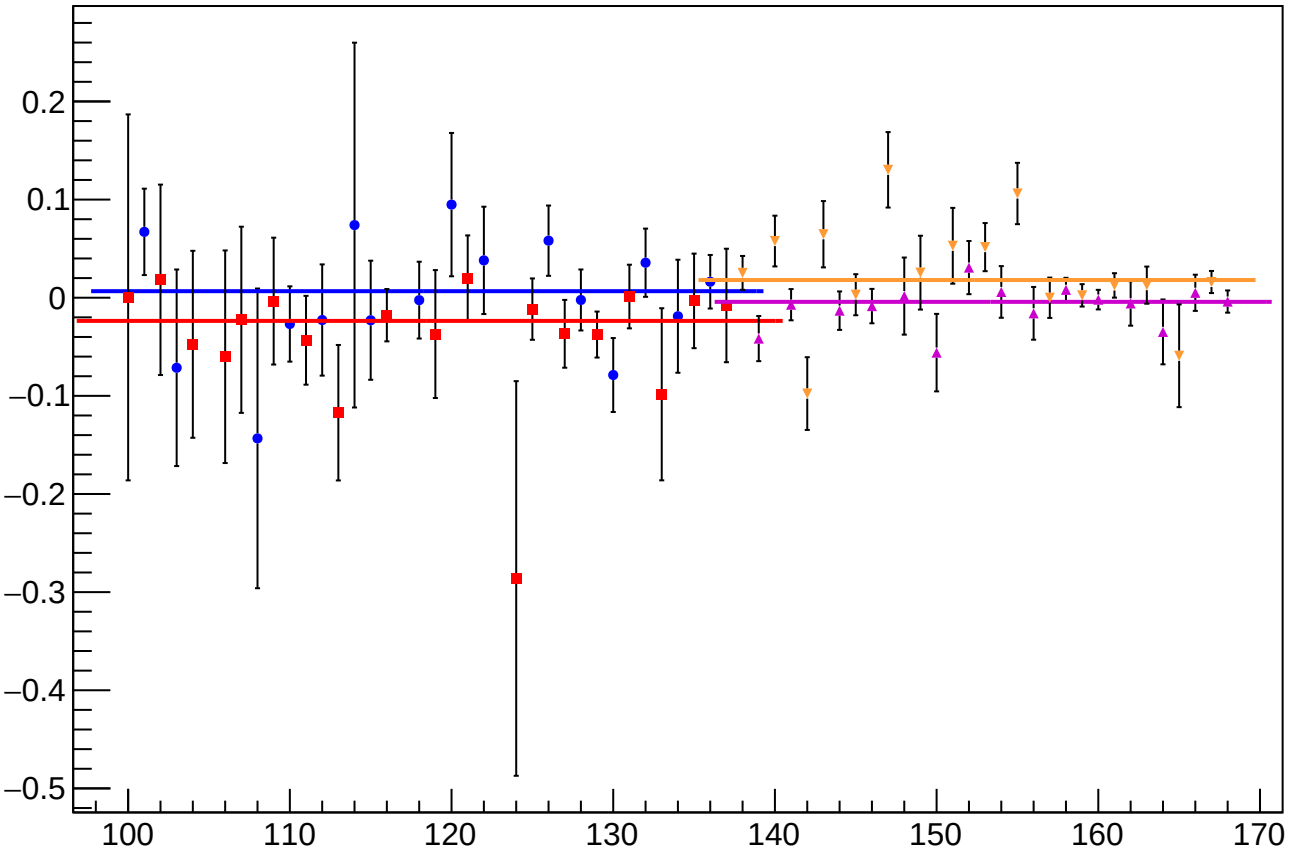
Left: 14.104+/-0.002 χ^2/NDF: 6996150.1/30

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.398+/-0.003 χ^2/NDF:6668812.7/30

Out: 16.207+/-0.003 χ^2/NDF:8174052.0/34

All: 15.782+/-0.002 χ^2/NDF: 14877386.2/65



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.005 χ^2/NDF:39.1/15

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:8.9/14

Left: 0.006+/-0.003 χ^2/NDF: 58.8/30

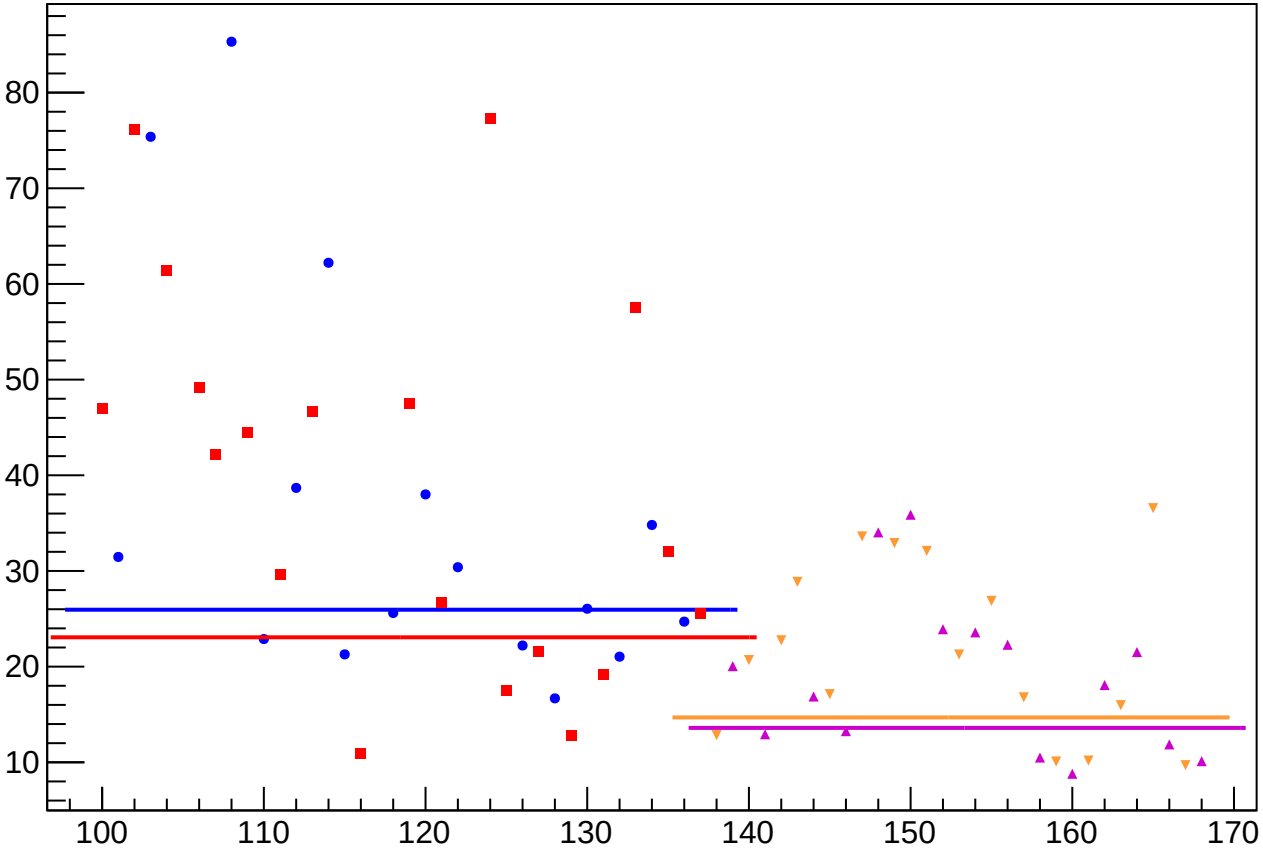
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.004 χ^2/NDF:24.7/30

Out: 0.010+/-0.004 χ^2/NDF:59.4/34

All: 0.004+/-0.003 χ^2/NDF: 88.7/65

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: 14.692+/-0.003 χ^2/NDF:3771935.1/15

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.596+/-0.003 χ^2/NDF:3171378.5/14

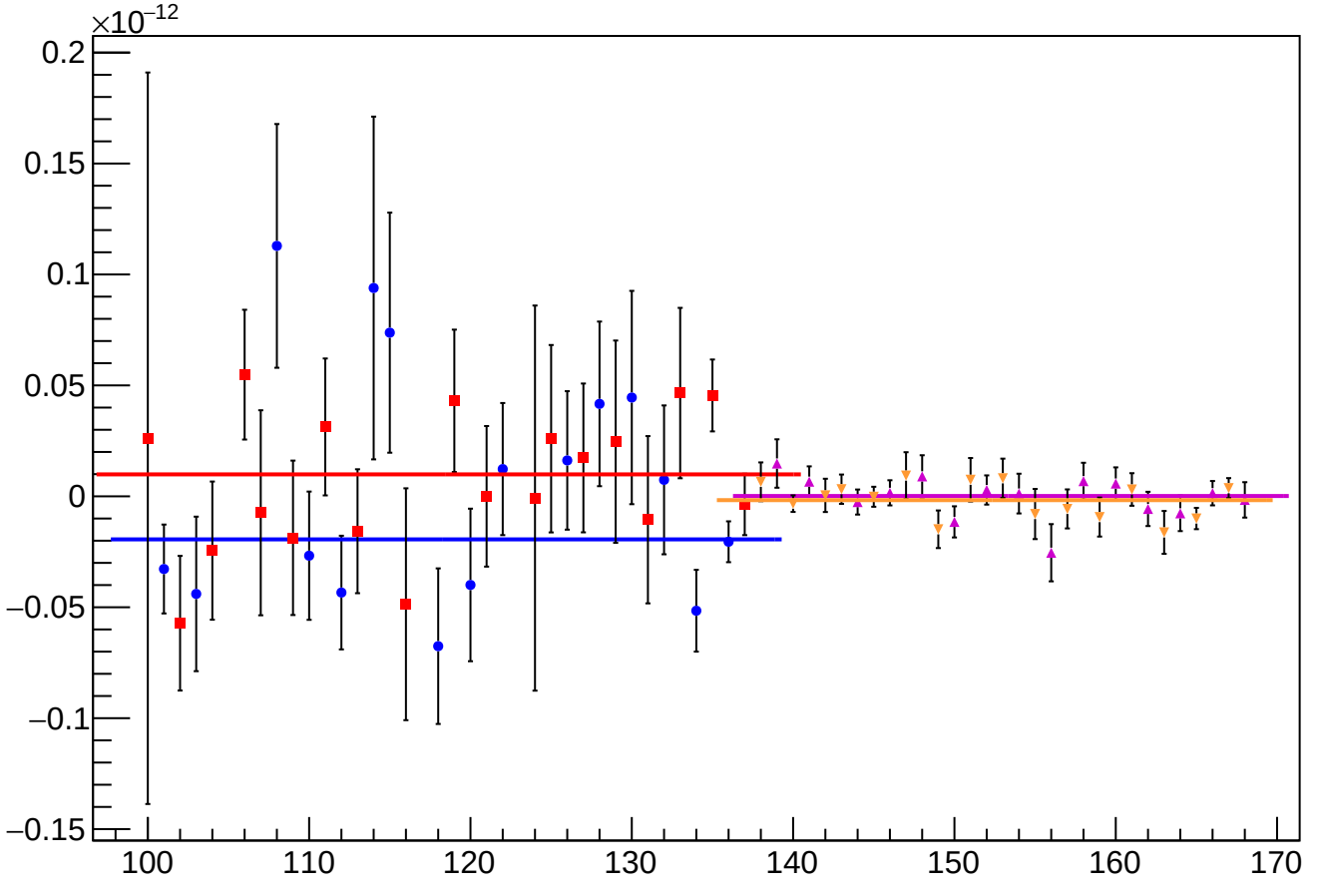
Left: 14.104+/-0.002 χ^2/NDF: 6996150.1/30

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.398+/-0.003 χ^2/NDF:6668812.7/30

Out: 16.207+/-0.003 χ^2/NDF:8174052.0/34

All: 15.782+/-0.002 χ^2/NDF: 14877386.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/14

Left: -0.000+/-0.000 χ^2/NDF: 29.9/30

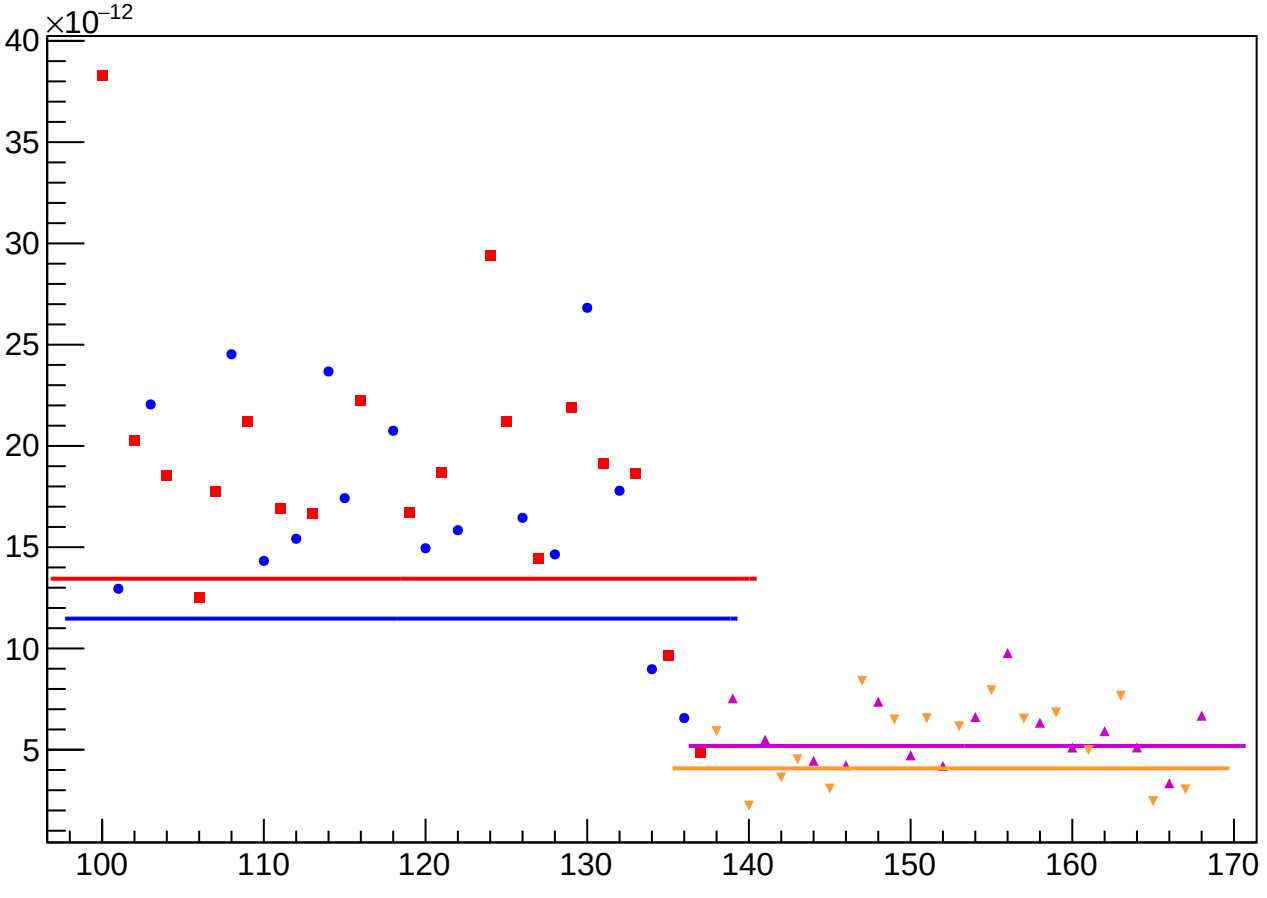
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:48.8/30

Out: -0.000+/-0.000 χ^2/NDF:38.9/34

All: -0.000+/-0.000 χ^2/NDF: 87.8/65

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2653845.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1001706.5/14

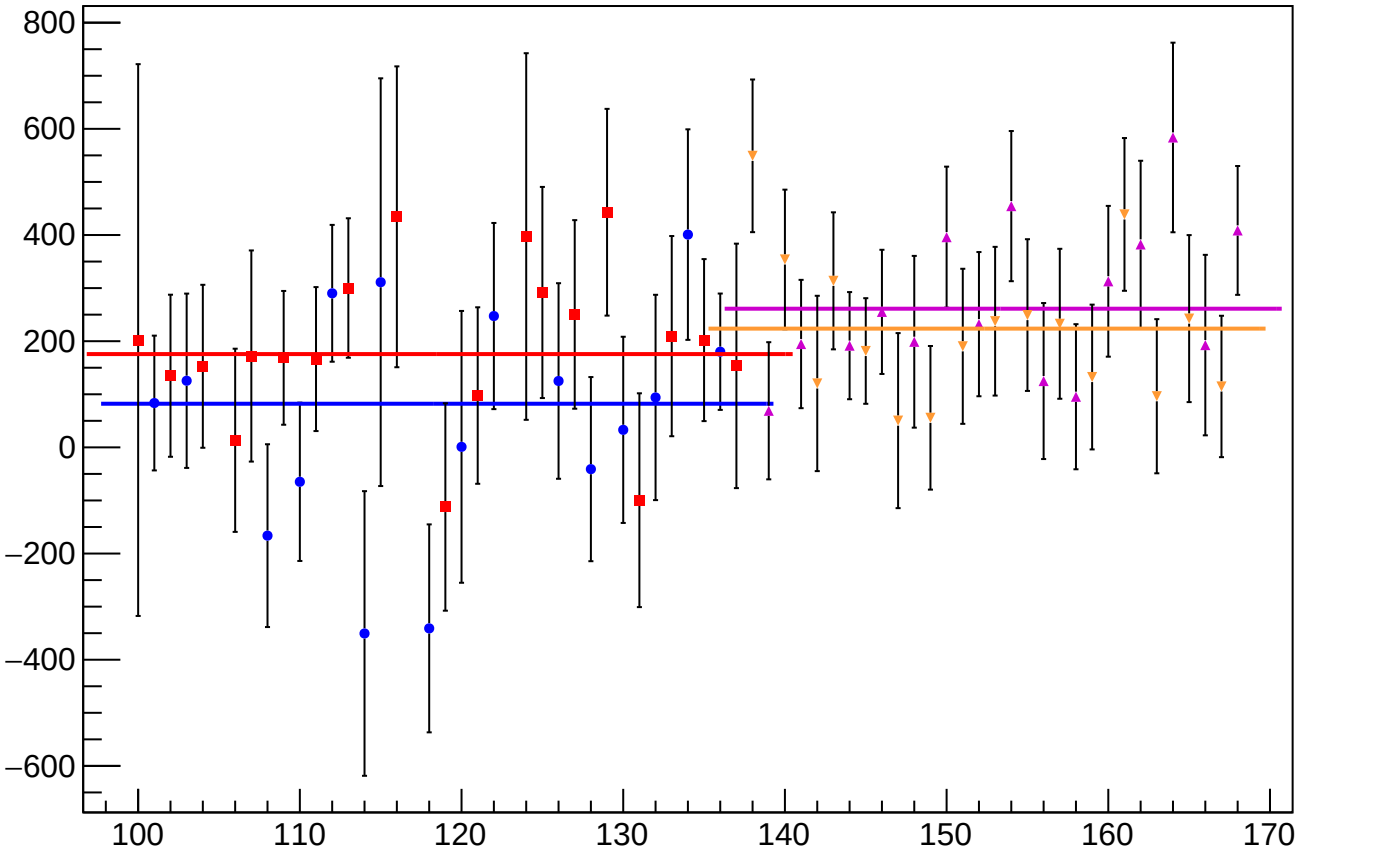
Left: 0.000+/-0.000 χ^2/NDF: 4048170.1/30

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4578212.4/30

Out: 0.000+/-0.000 χ^2/NDF:7933871.2/34

All: 0.000+/-0.000 χ^2/NDF: 12976468.4/65


reg_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
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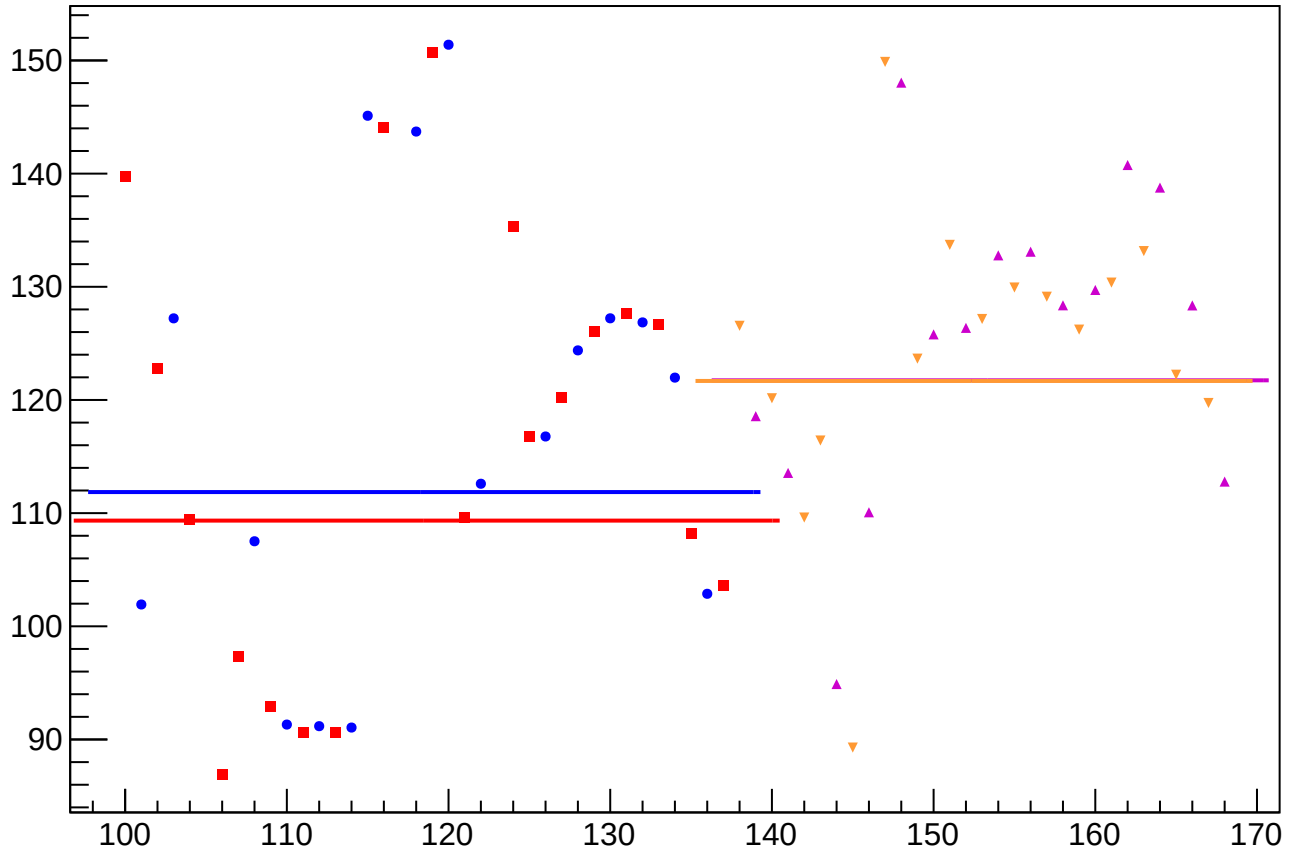
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.196+/-42.133 χ²/NDF: 18.4/15
Left Out: 223.687+/-34.529 χ²/NDF:14.0/15
Right Out: 175.732+/-40.673 χ²/NDF: 9.9/18
Left In: 261.198+/-34.871 χ²/NDF:14.0/14
Left: 242.258+/-24.536 χ²/NDF: 28.7/30
Right: 130.613+/-29.263 χ²/NDF: 30.8/34
In: 188.430+/-26.864 χ²/NDF:43.1/30
Out: 203.601+/-26.323 χ²/NDF:24.7/34
All: 196.170+/-18.801 χ²/NDF: 68.0/65



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

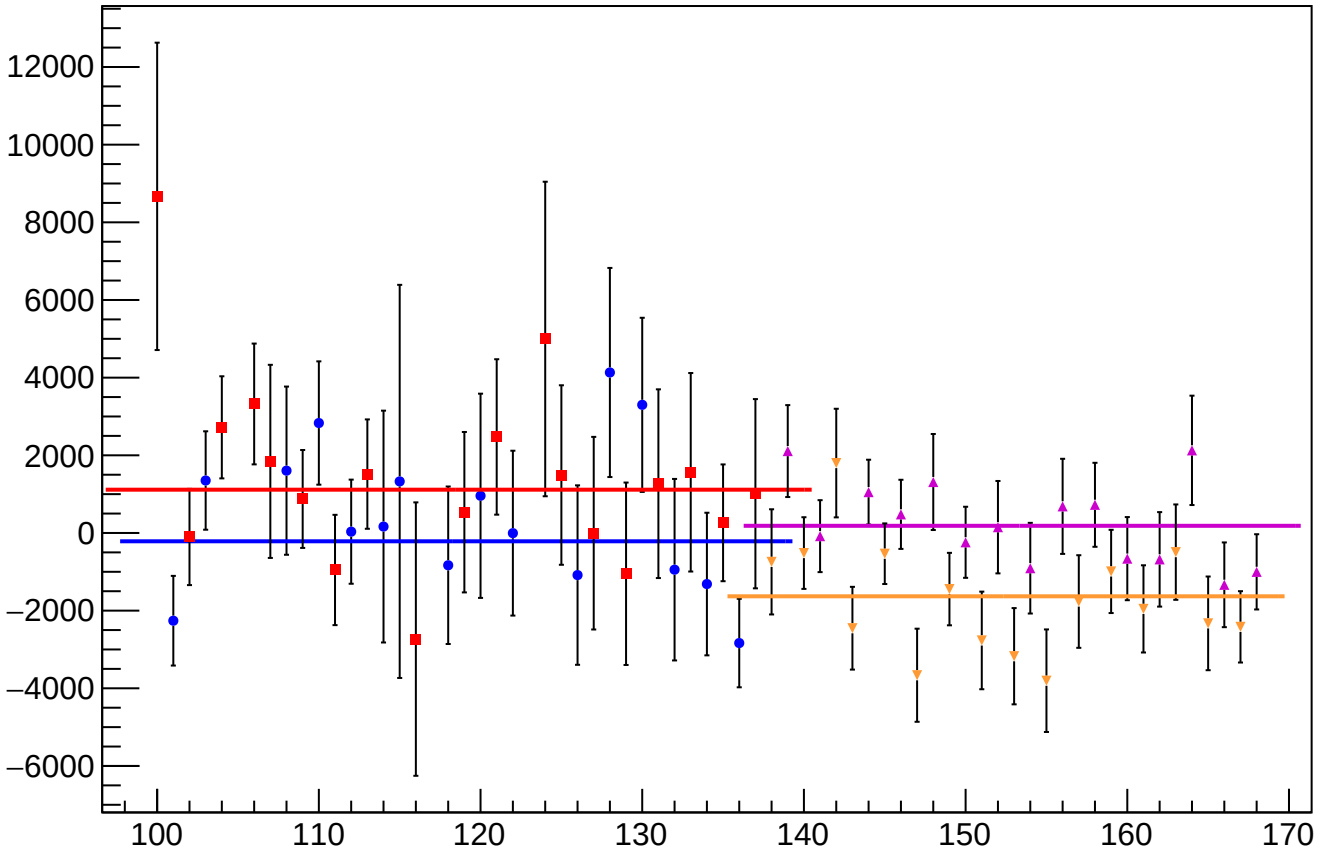
Left: 121.708+/-0.017 χ^2/NDF: 664131.7/30

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.722+/-0.019 χ^2/NDF:696399.5/30

Out: 116.512+/-0.019 χ^2/NDF:813157.9/34

All: 117.105+/-0.013 χ^2/NDF: 1511627.8/65



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1630.890+/-273.610 χ^2/NDF:20.8/15

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 184.654+/-273.739 χ^2/NDF:12.7/14

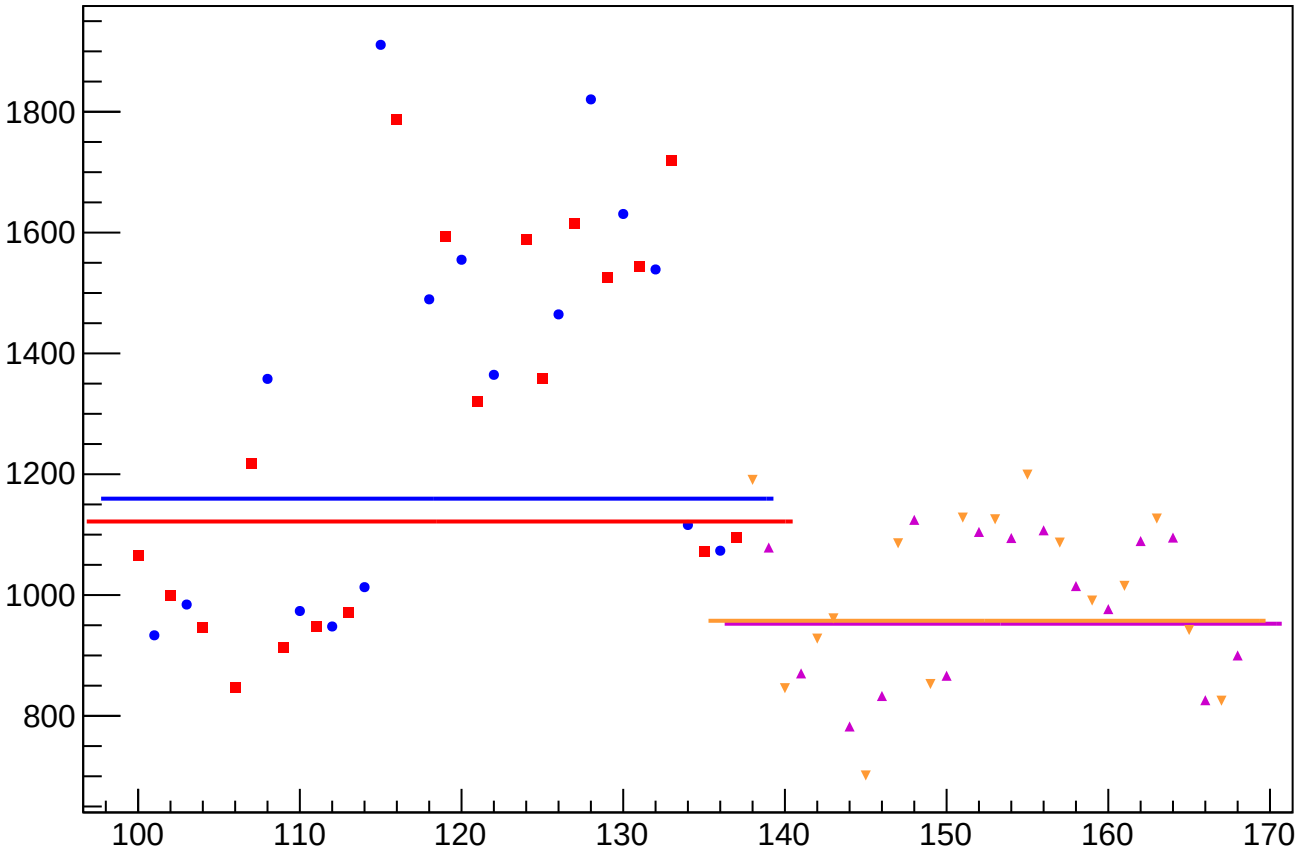
Left: -723.545+/-193.517 χ^2/NDF: 55.6/30

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 74.792+/-233.007 χ^2/NDF:33.8/30

Out: -821.111+/-229.745 χ^2/NDF:65.1/34

All: -379.475+/-163.595 χ^2/NDF: 106.3/65



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 957.424+/-0.193 χ^2/NDF:604238.2/15

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 952.543+/-0.194 χ^2/NDF:394419.7/14

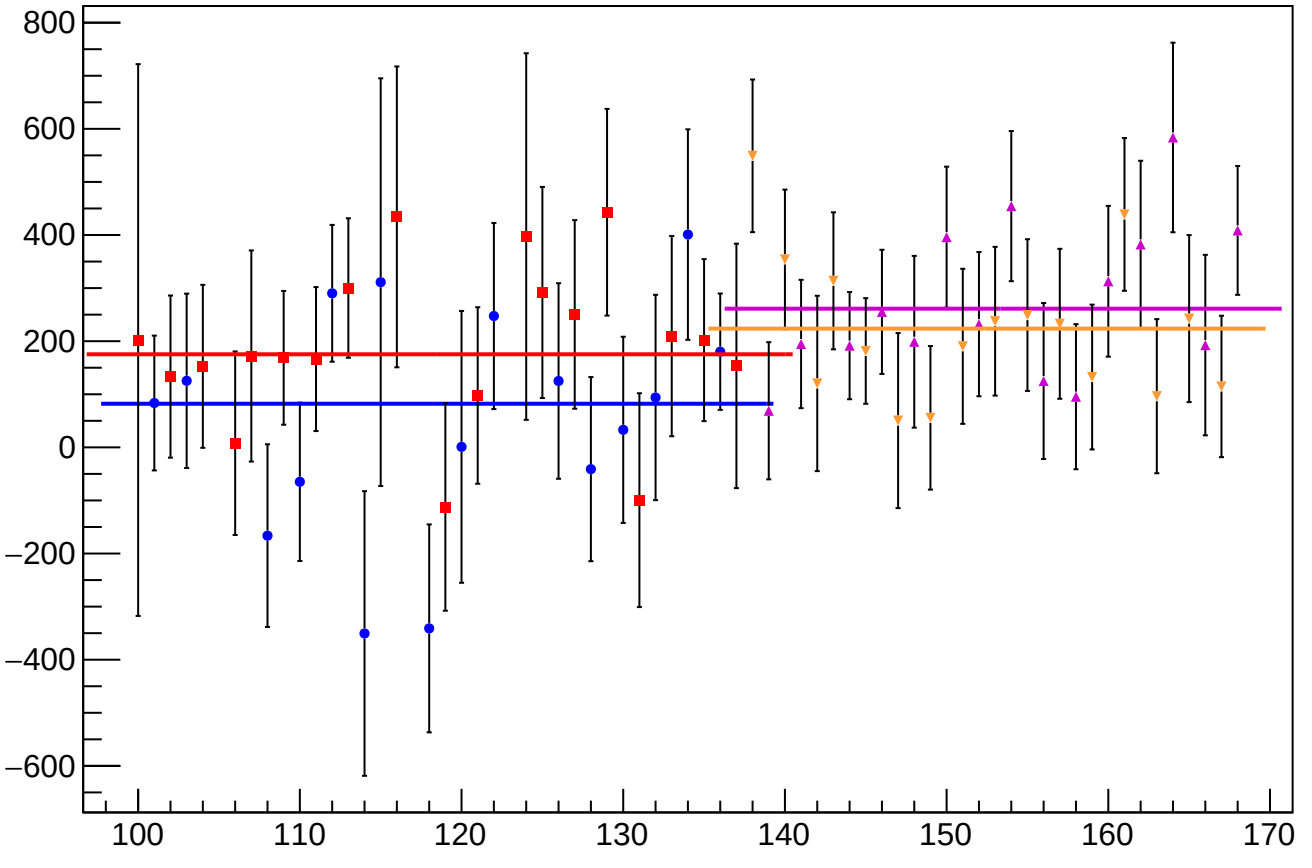
Left: 954.985+/-0.137 χ^2/NDF: 998976.0/30

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1009.569+/-0.165 χ^2/NDF:1393209.9/30

Out: 1005.891+/-0.162 χ^2/NDF:1599284.7/34

All: 1007.704+/-0.116 χ^2/NDF: 2992747.3/65



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 223.691+/-34.529 χ^2/NDF:14.0/15

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 261.201+/-34.871 χ^2/NDF:14.0/14

Left: 242.261+/-24.536 χ^2/NDF: 28.7/30

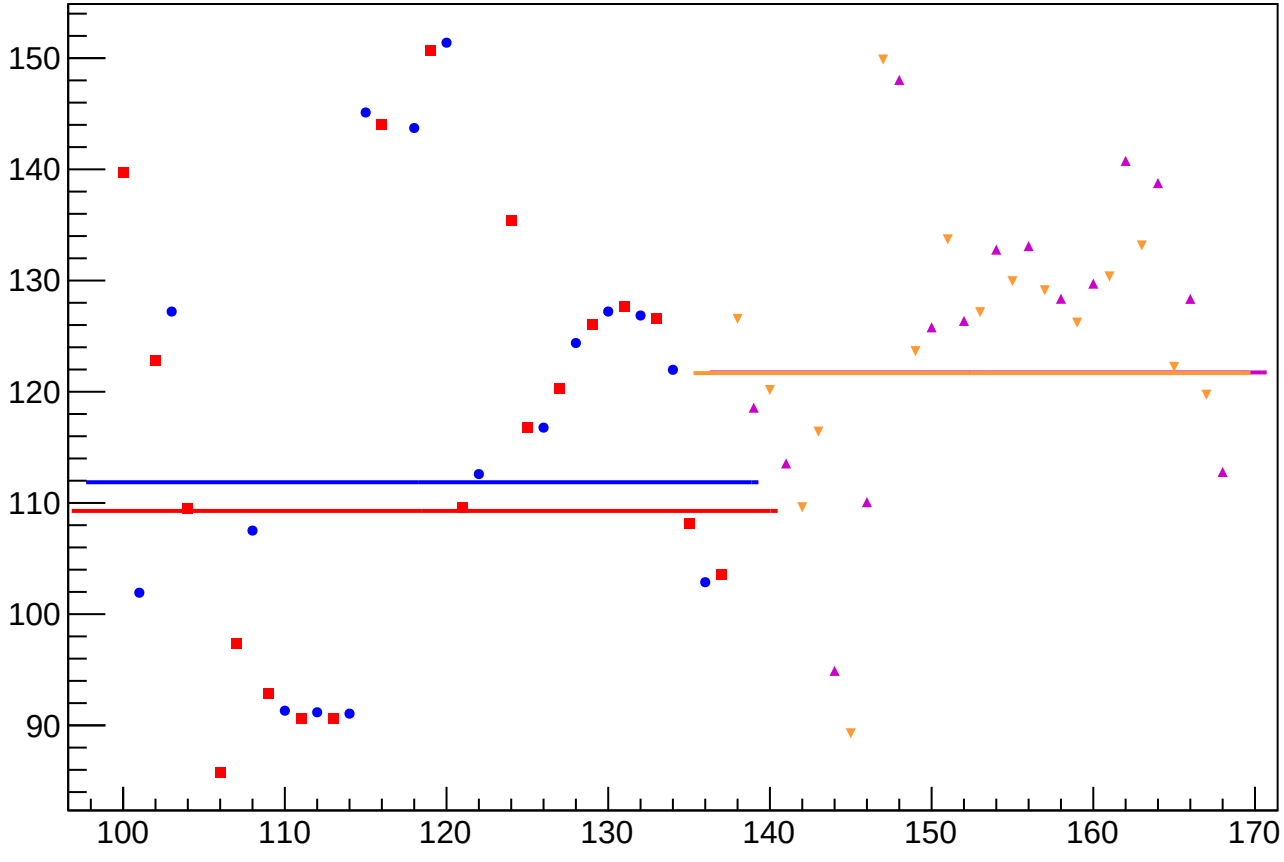
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 188.427+/-26.864 χ^2/NDF:43.1/30

Out: 203.442+/-26.324 χ^2/NDF:24.8/34

All: 196.086+/-18.802 χ^2/NDF: 68.1/65

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

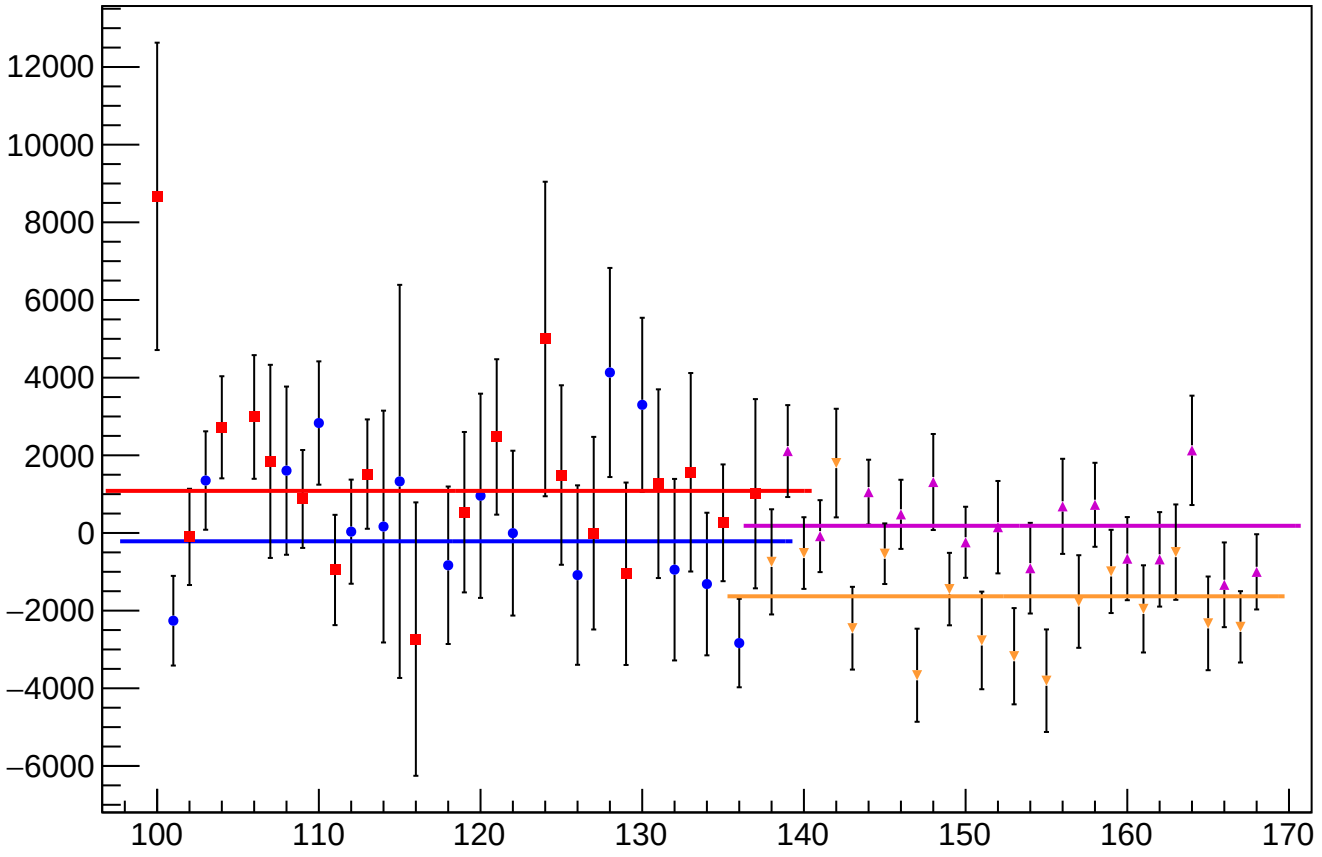
Left: 121.708+/-0.017 χ^2/NDF: 664131.7/30

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.722+/-0.019 χ^2/NDF:696400.3/30

Out: 116.489+/-0.019 χ^2/NDF:817608.0/34

All: 117.093+/-0.013 χ^2/NDF: 1516156.9/65



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1630.885+/-273.610 χ^2/NDF:20.8/15

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 184.664+/-273.739 χ^2/NDF:12.7/14

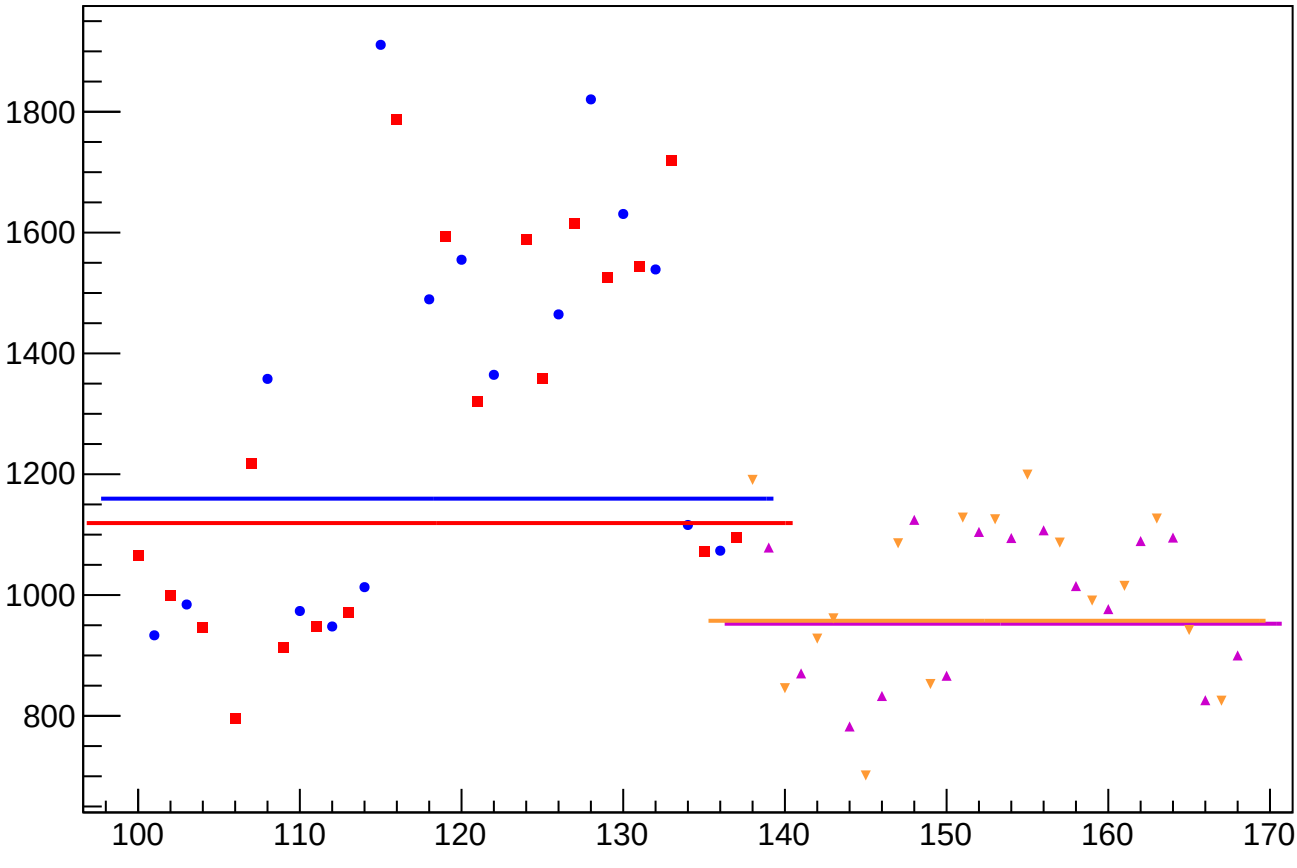
Left: -723.537+/-193.517 χ^2/NDF: 55.6/30

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 74.775+/-233.008 χ^2/NDF:33.8/30

Out: -832.139+/-229.862 χ^2/NDF:63.7/34

All: -384.844+/-163.638 χ^2/NDF: 105.1/65



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 952.544+/-0.194 χ^2/NDF:394417.5/14

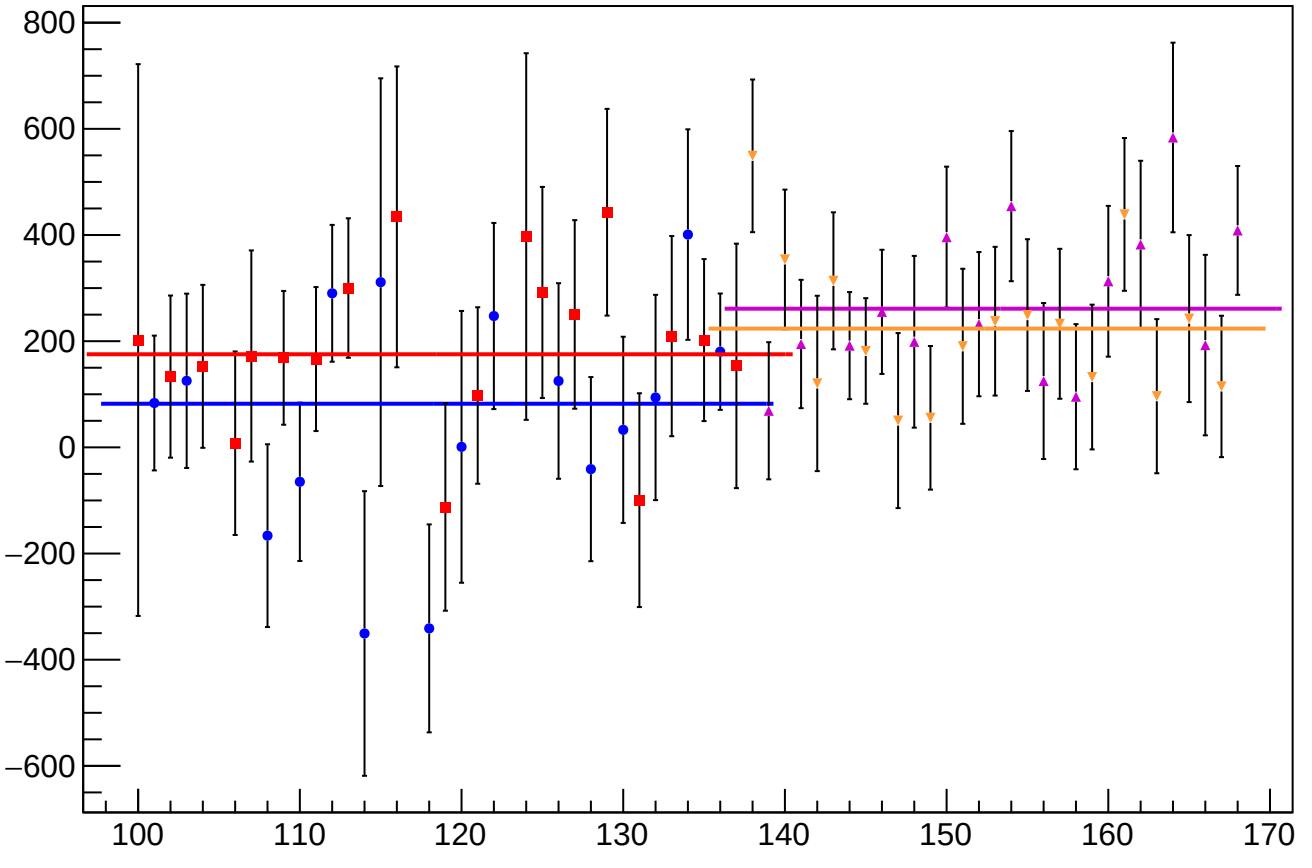
Left: 954.985+/-0.137 χ^2/NDF: 998975.6/30

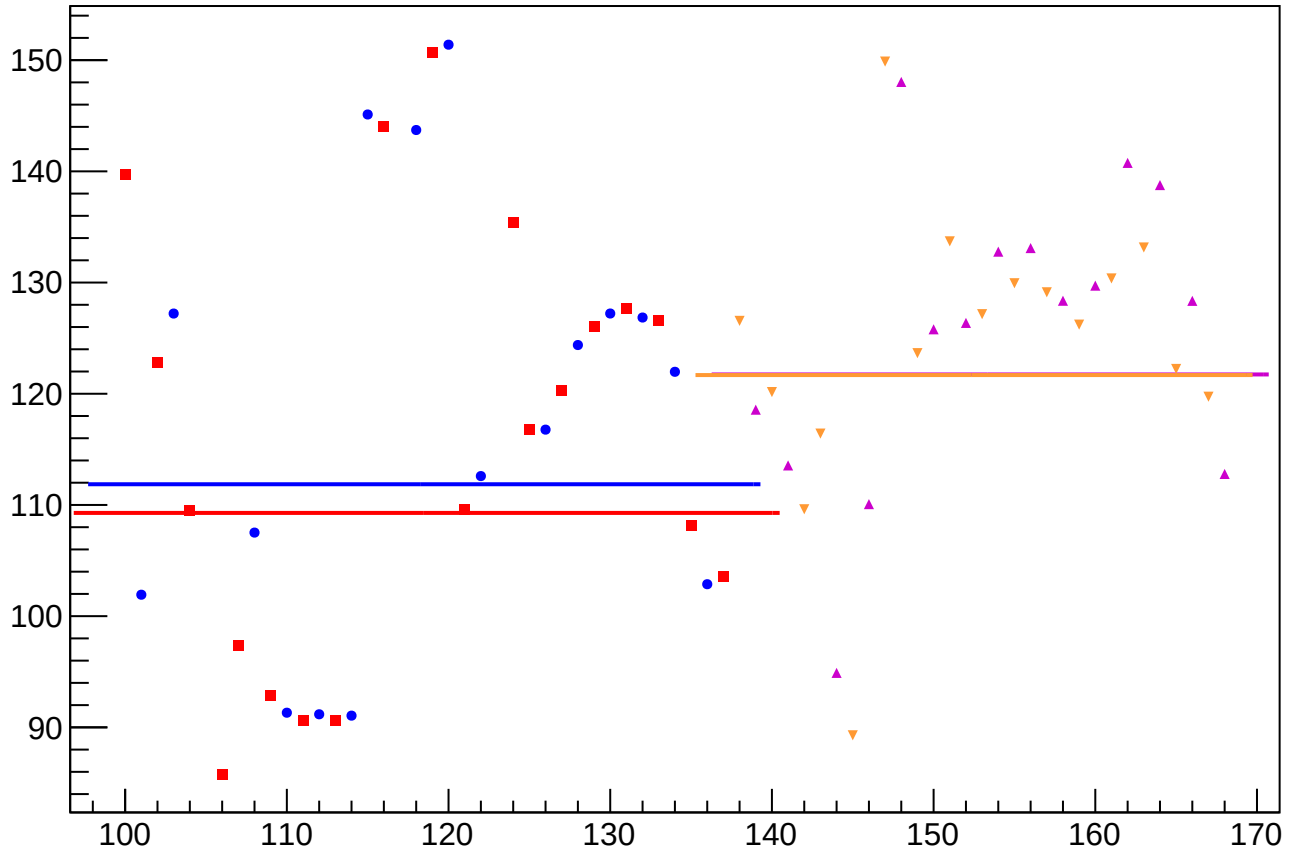
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1009.571+/-0.165 χ^2/NDF:1393201.4/30

Out: 1005.008+/-0.163 χ^2/NDF:1612994.1/34

All: 1007.259+/-0.116 χ^2/NDF: 3006584.2/65


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 223.691+/-34.529 χ²/NDF:14.0/15
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 261.201+/-34.871 χ²/NDF:14.0/14
Left: 242.261+/-24.536 χ²/NDF: 28.7/30
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 188.427+/-26.864 χ²/NDF:43.1/30
Out: 203.442+/-26.324 χ²/NDF:24.8/34
All: 196.086+/-18.802 χ²/NDF: 68.1/65



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.681+/-0.024 χ^2/NDF:338941.7/15

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.736+/-0.025 χ^2/NDF:325187.5/14

Left: 121.708+/-0.017 χ^2/NDF: 664131.7/30

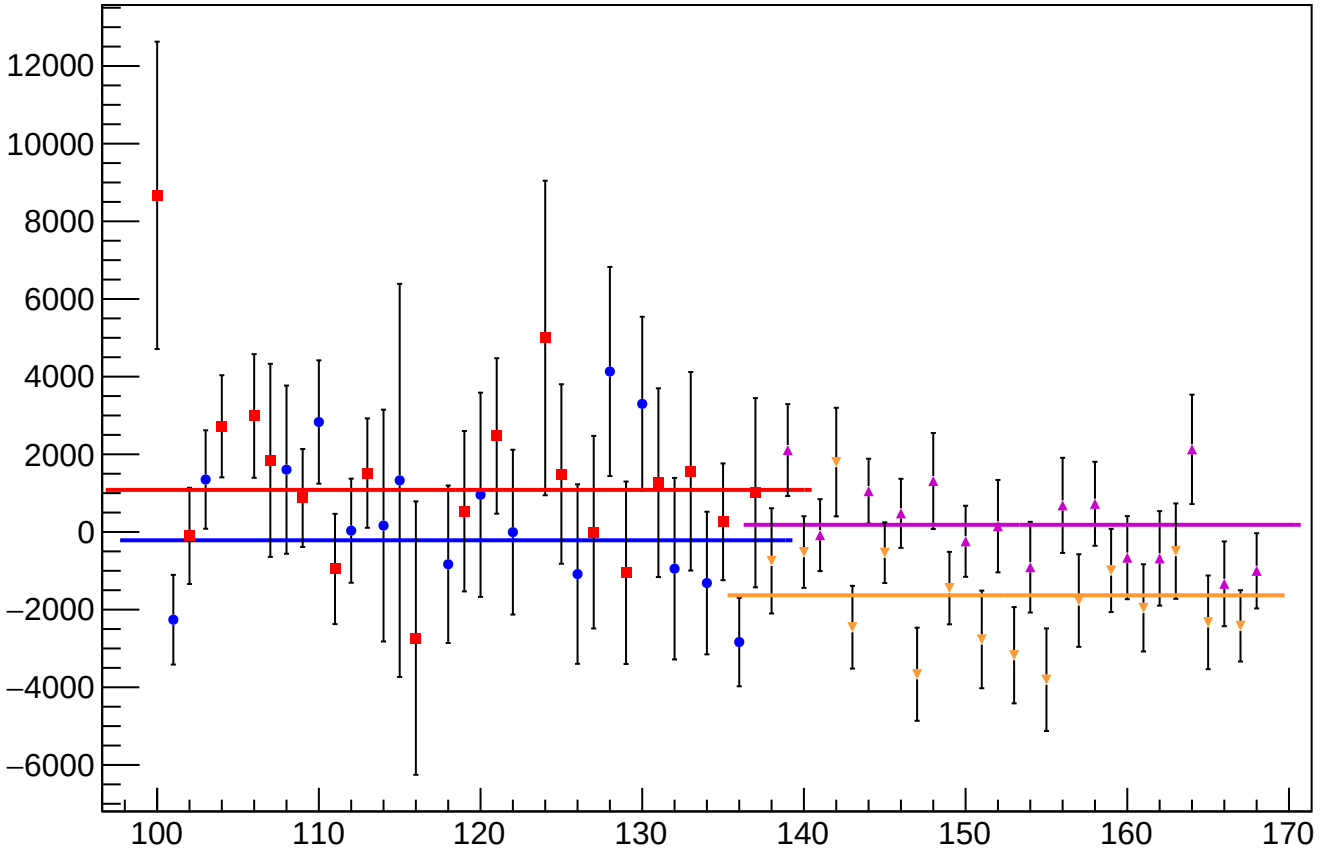
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.722+/-0.019 χ^2/NDF:696400.3/30

Out: 116.489+/-0.019 χ^2/NDF:817608.0/34

All: 117.093+/-0.013 χ^2/NDF: 1516156.9/65

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: -1630.885+/-273.610 χ^2/NDF:20.8/15

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 184.664+/-273.739 χ^2/NDF:12.7/14

Left: -723.537+/-193.517 χ^2/NDF: 55.6/30

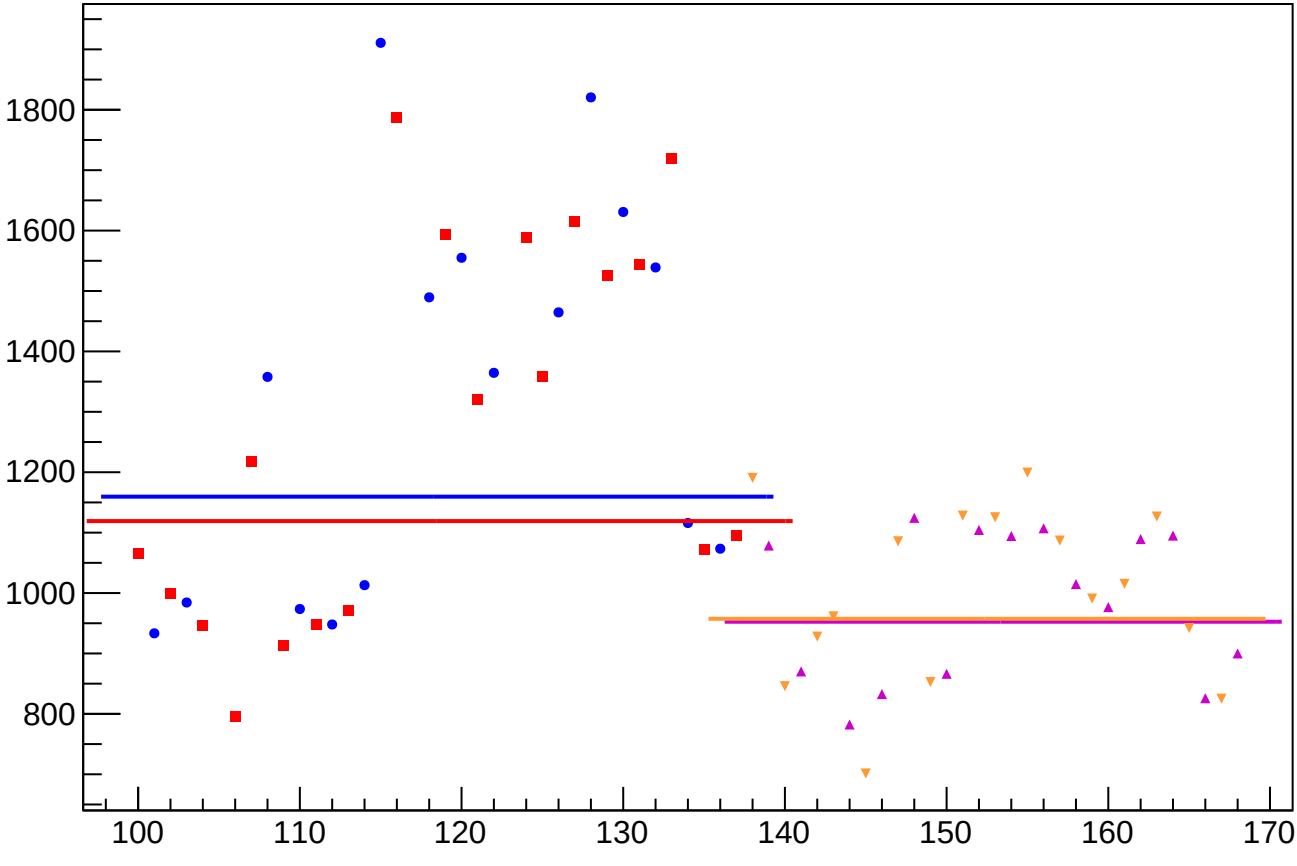
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 74.775+/-233.008 χ^2/NDF:33.8/30

Out: -832.139+/-229.862 χ^2/NDF:63.7/34

All: -384.844+/-163.638 χ^2/NDF: 105.1/65

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 957.424+/-0.193 χ^2/NDF:604240.1/15

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 952.544+/-0.194 χ^2/NDF:394417.5/14

Left: 954.985+/-0.137 χ^2/NDF: 998975.6/30

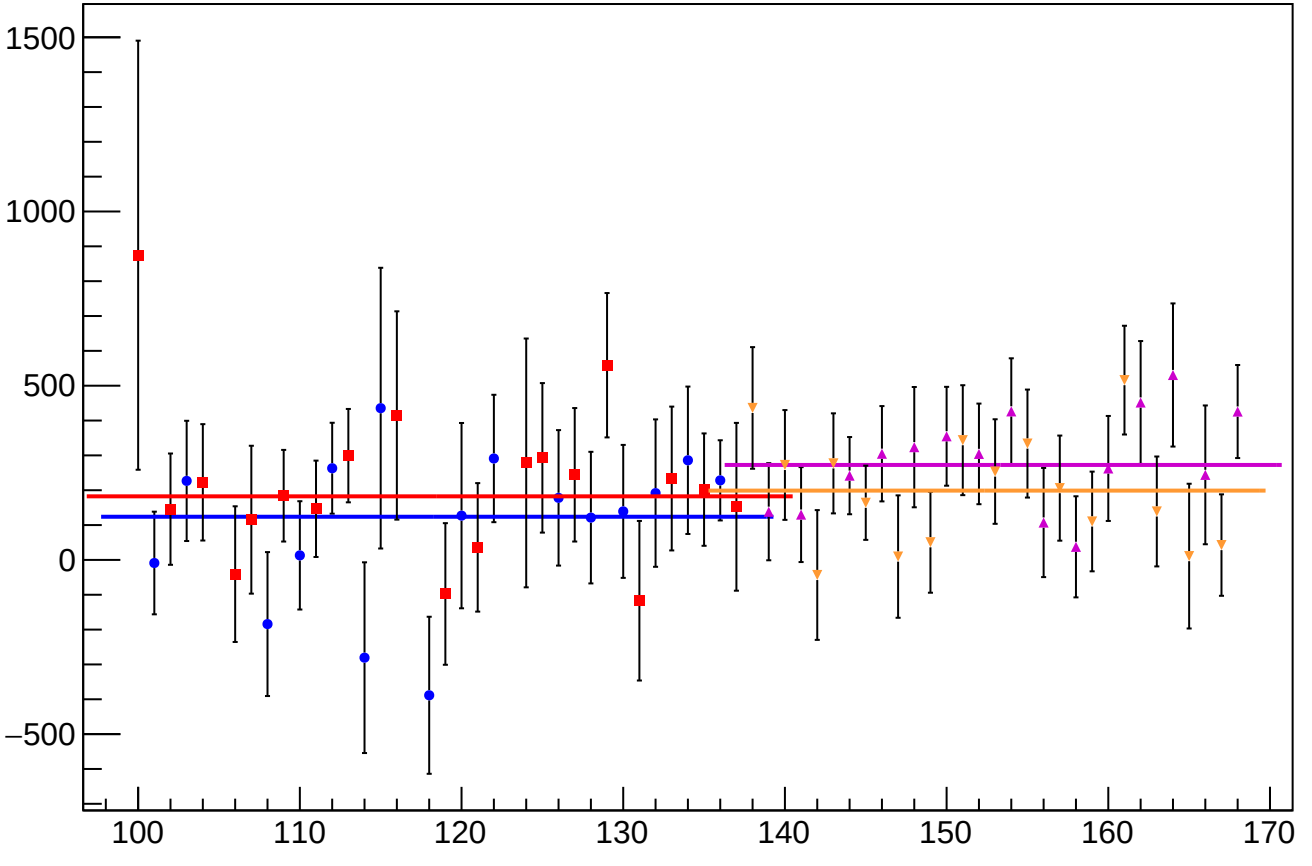
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1009.571+/-0.165 χ^2/NDF:1393201.4/30

Out: 1005.008+/-0.163 χ^2/NDF:1612994.1/34

All: 1007.259+/-0.116 χ^2/NDF: 3006584.2/65

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.929+/-38.087 χ^2/NDF:14.7/15

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 272.555+/-38.236 χ^2/NDF:11.3/14

Left: 235.598+/-26.984 χ^2/NDF: 27.9/30

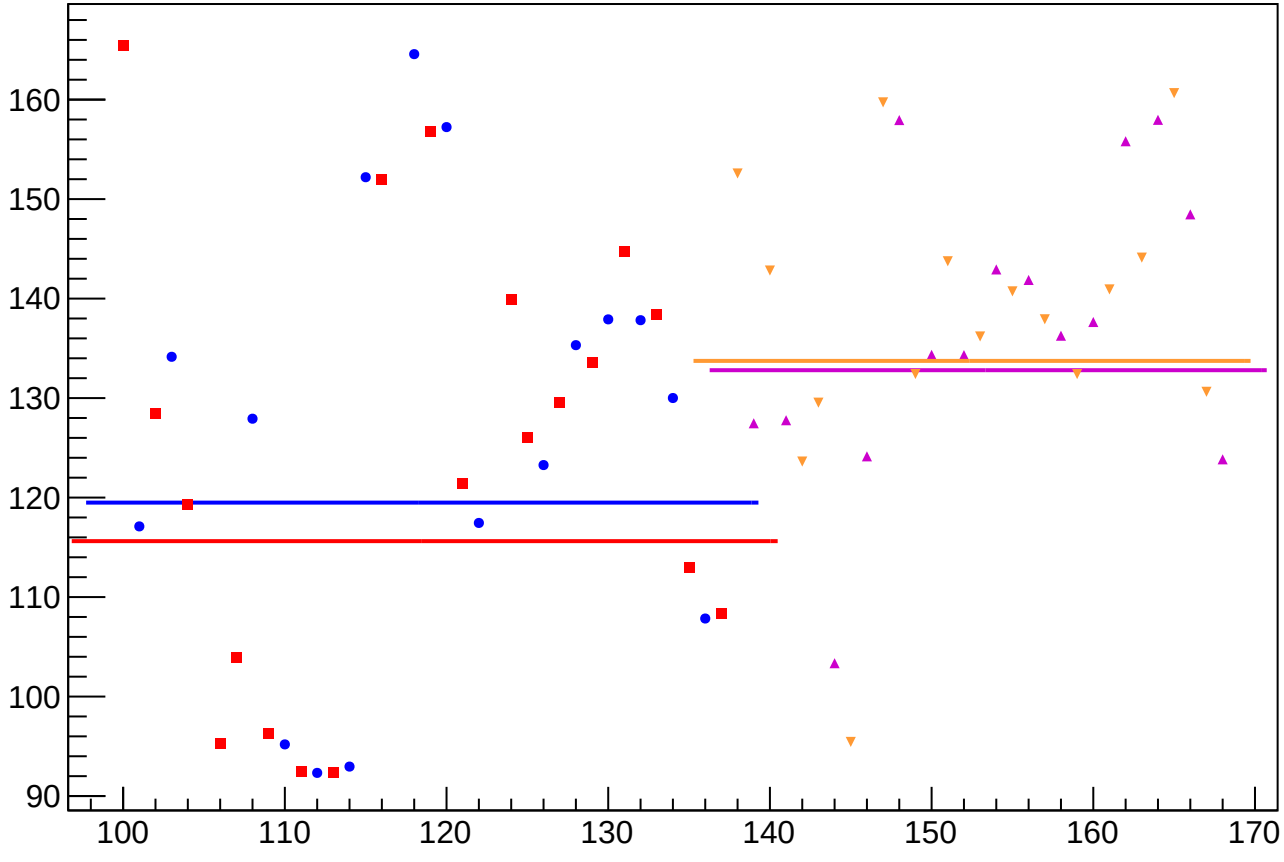
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 210.608+/-29.202 χ^2/NDF:33.1/30

Out: 191.734+/-28.576 χ^2/NDF:27.1/34

All: 200.966+/-20.424 χ^2/NDF: 60.4/65

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.738+/-0.027 χ^2/NDF:402004.3/15

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.803+/-0.027 χ^2/NDF:302026.2/14

Left: 133.272+/-0.019 χ^2/NDF: 704631.6/30

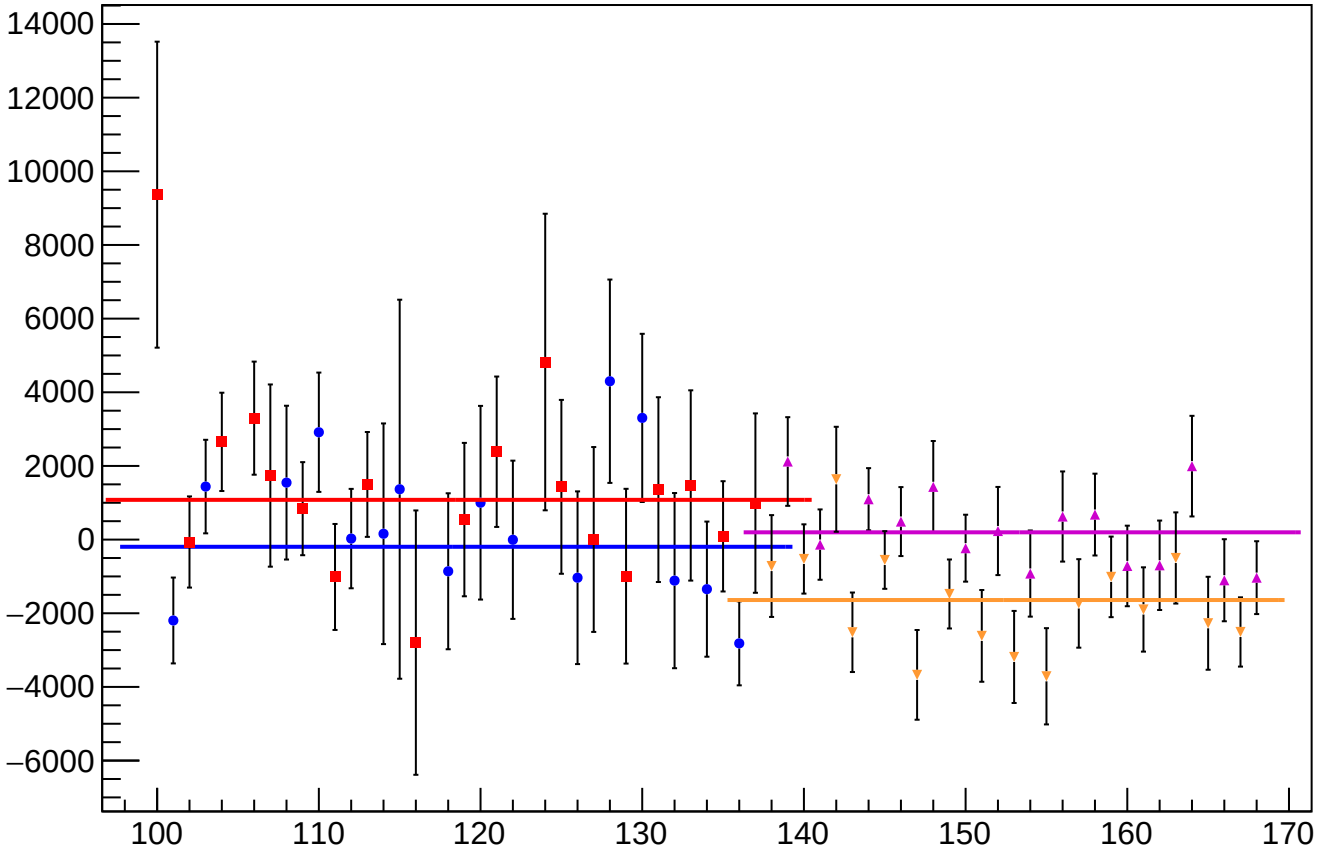
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.257+/-0.021 χ^2/NDF:783238.9/30

Out: 125.820+/-0.020 χ^2/NDF:1026749.9/34

All: 126.523+/-0.014 χ^2/NDF: 1812463.0/65

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: -1640.659+/-277.114 χ^2/NDF:19.5/15

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 197.732+/-277.632 χ^2/NDF:12.2/14

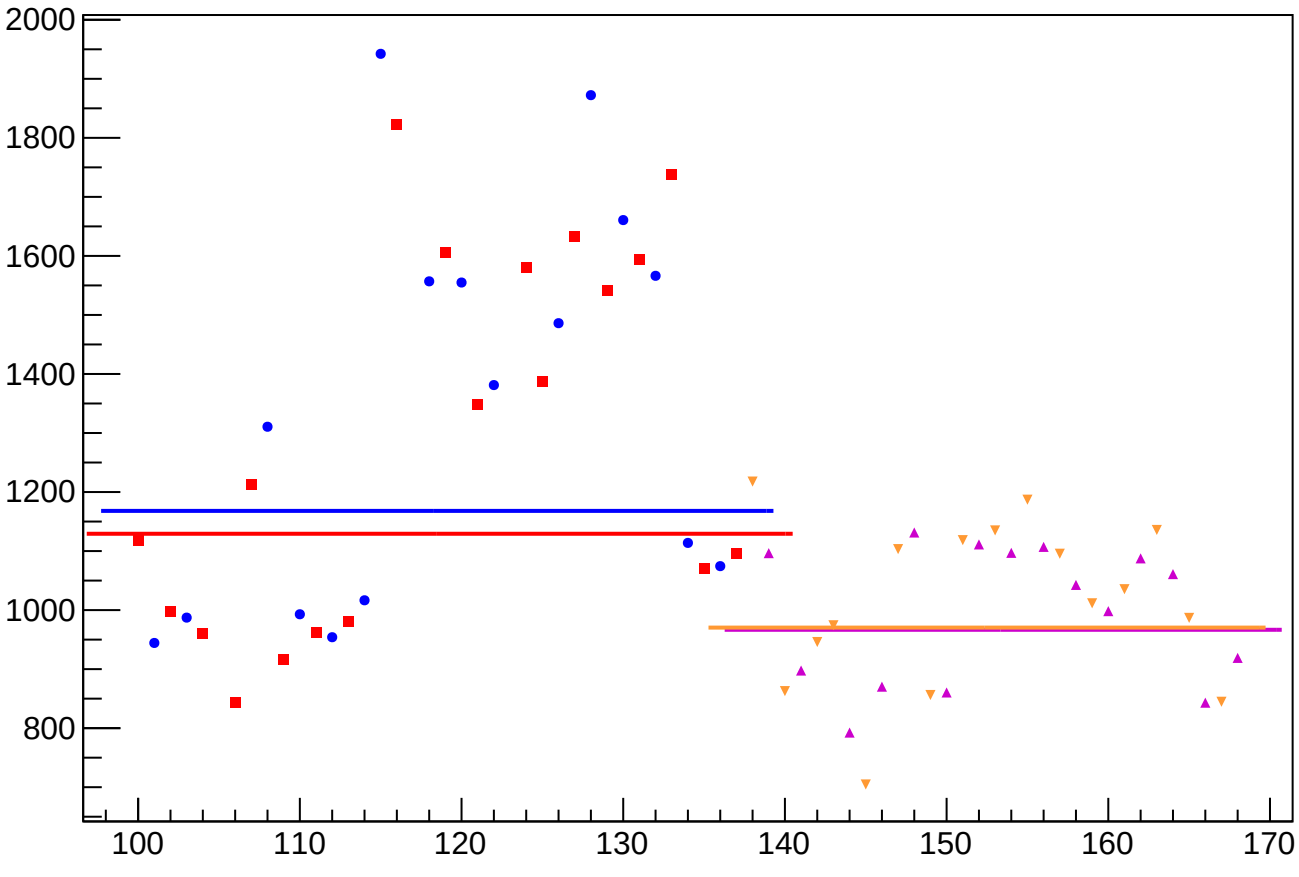
Left: -723.181+/-196.132 χ^2/NDF: 53.7/30

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 88.498+/-235.893 χ^2/NDF:33.2/30

Out: -831.759+/-232.283 χ^2/NDF:62.8/34

All: -378.726+/-165.510 χ^2/NDF: 103.7/65



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.355+/-0.196 χ^2/NDF:595374.4/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 966.651+/-0.196 χ^2/NDF:352428.5/14

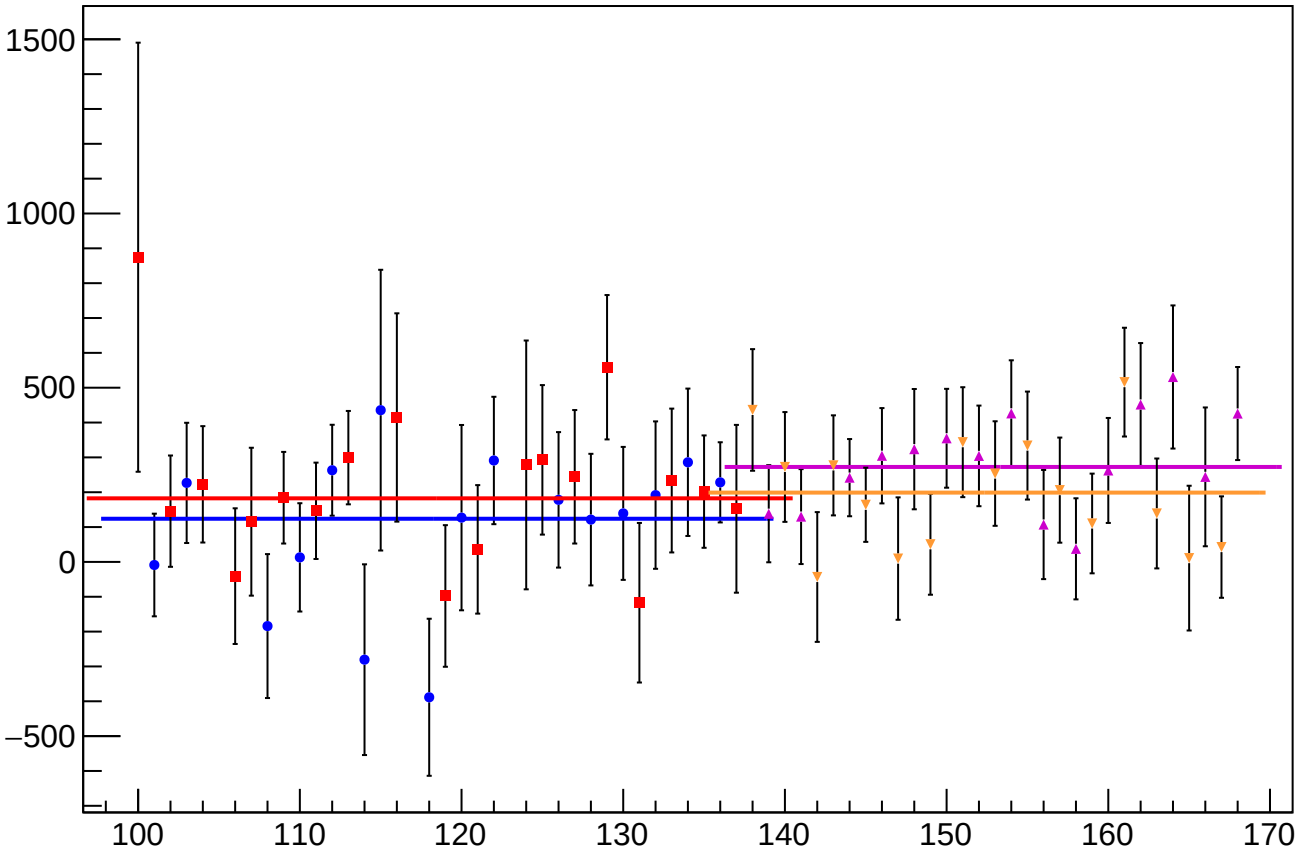
Left: 968.507+/-0.139 χ^2/NDF: 947981.2/30

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1022.659+/-0.167 χ^2/NDF:1354494.1/30

Out: 1017.628+/-0.164 χ^2/NDF:1598307.8/34

All: 1020.105+/-0.117 χ^2/NDF: 2953263.9/65



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 198.932+/-38.087 χ^2/NDF:14.7/15

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 272.556+/-38.236 χ^2/NDF:11.3/14

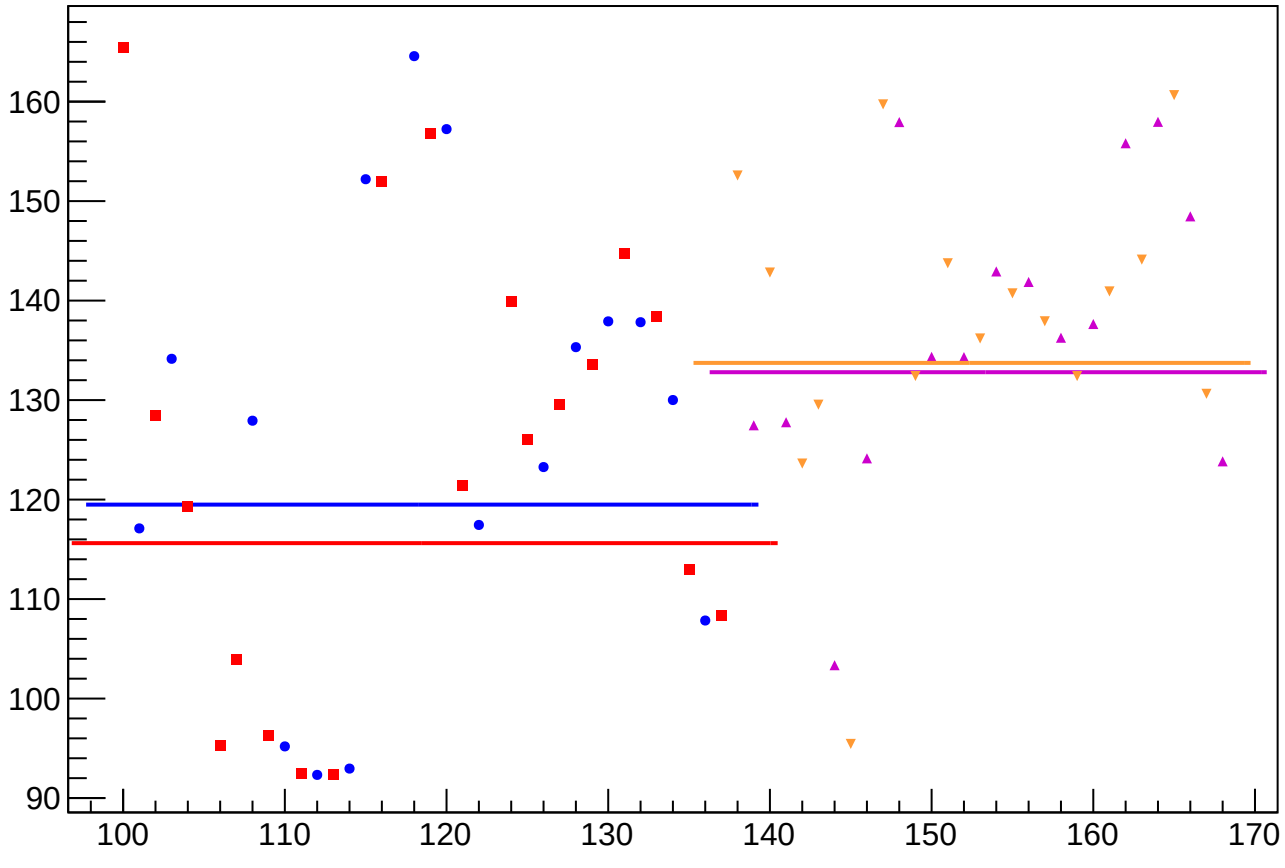
Left: 235.600+/-26.984 χ^2/NDF: 27.9/30

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 210.609+/-29.202 χ^2/NDF:33.1/30

Out: 191.736+/-28.576 χ^2/NDF:27.1/34

All: 200.968+/-20.424 χ^2/NDF: 60.4/65



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.739+/-0.027 χ^2/NDF:402004.8/15

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.803+/-0.027 χ^2/NDF:302026.1/14

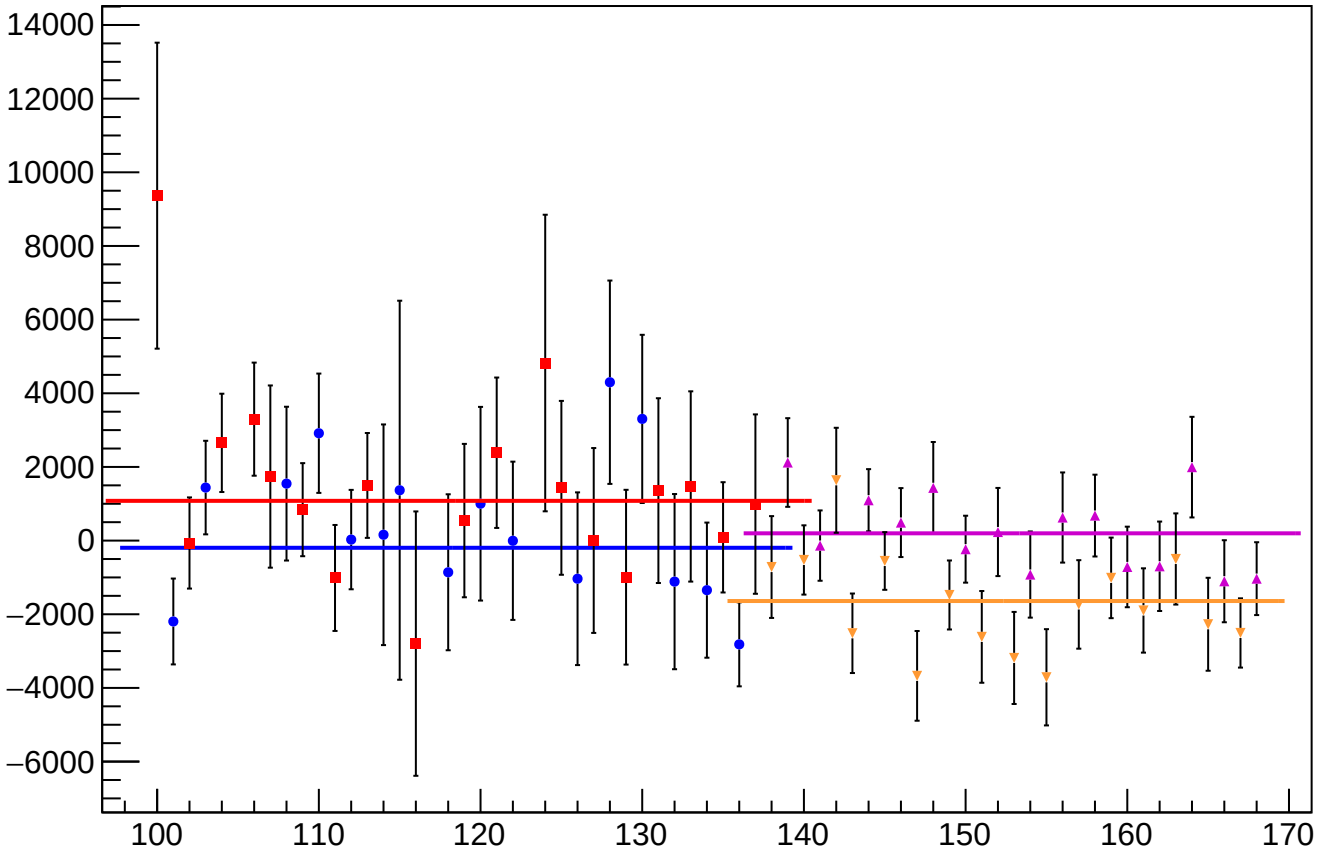
Left: 133.273+/-0.019 χ^2/NDF: 704632.1/30

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.257+/-0.021 χ^2/NDF:783242.5/30

Out: 125.820+/-0.020 χ^2/NDF:1026757.6/34

All: 126.523+/-0.014 χ^2/NDF: 1812474.4/65



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1640.655+/-277.114 χ^2/NDF:19.5/15

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 197.731+/-277.632 χ^2/NDF:12.2/14

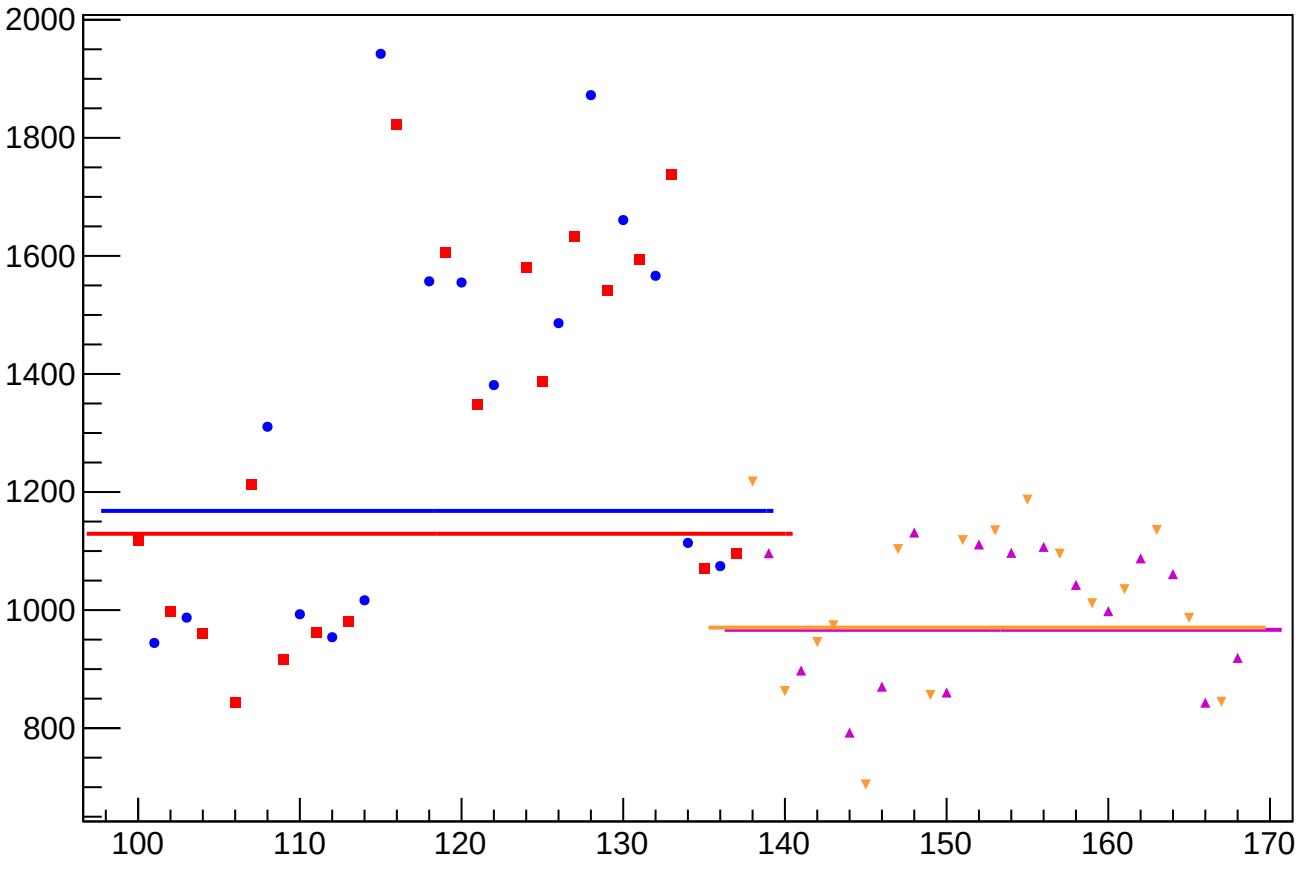
Left: -723.180+/-196.132 χ^2/NDF: 53.7/30

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 88.498+/-235.893 χ^2/NDF:33.2/30

Out: -831.758+/-232.283 χ^2/NDF:62.8/34

All: -378.726+/-165.510 χ^2/NDF: 103.7/65



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.354+/-0.196 χ^2/NDF:595379.8/15

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 966.651+/-0.196 χ^2/NDF:352428.6/14

Left: 968.506+/-0.139 χ^2/NDF: 947986.7/30

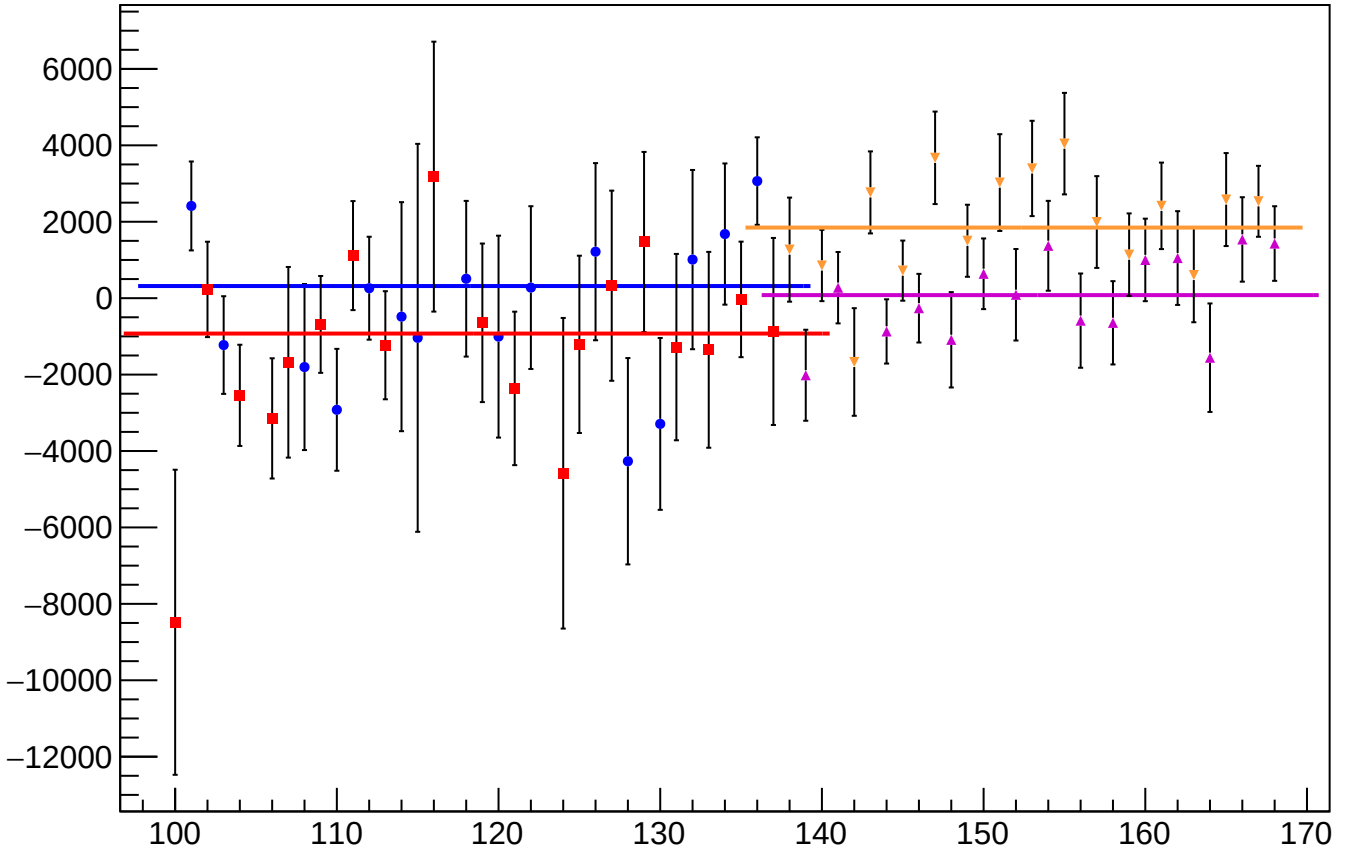
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1022.659+/-0.167 χ^2/NDF:1354497.8/30

Out: 1017.627+/-0.164 χ^2/NDF:1598316.5/34

All: 1020.104+/-0.117 χ^2/NDF: 2953276.3/65

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1847.682+/-275.907 χ^2/NDF:20.5/15

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 80.014+/-276.061 χ^2/NDF:14.1/14

Left: 964.343+/-195.150 χ^2/NDF: 55.1/30

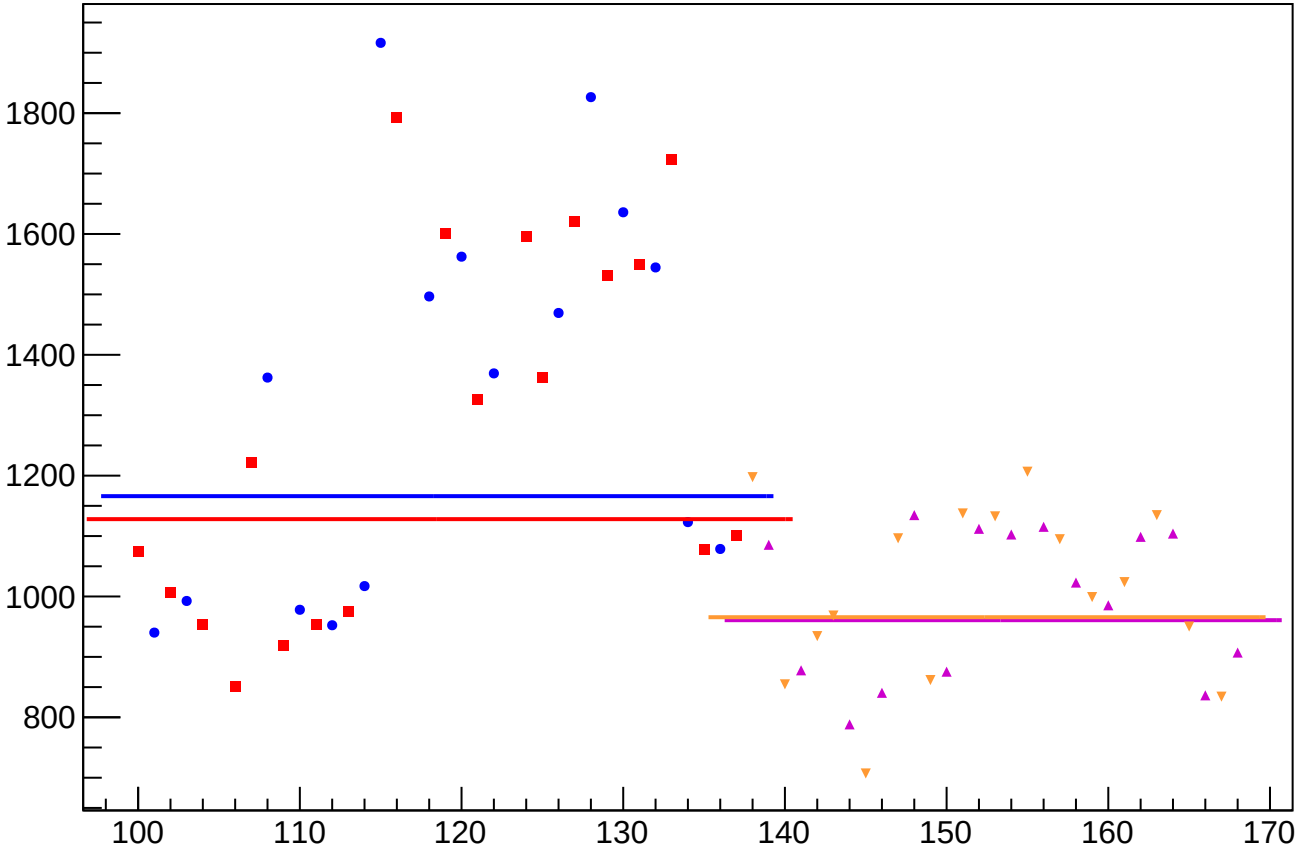
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 145.688+/-234.783 χ^2/NDF:36.5/30

Out: 1026.394+/-231.483 χ^2/NDF:65.0/34

All: 592.274+/-164.837 χ^2/NDF: 108.6/65

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 965.663+/-0.195 χ^2/NDF:597436.9/15

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 960.764+/-0.195 χ^2/NDF:390561.7/14

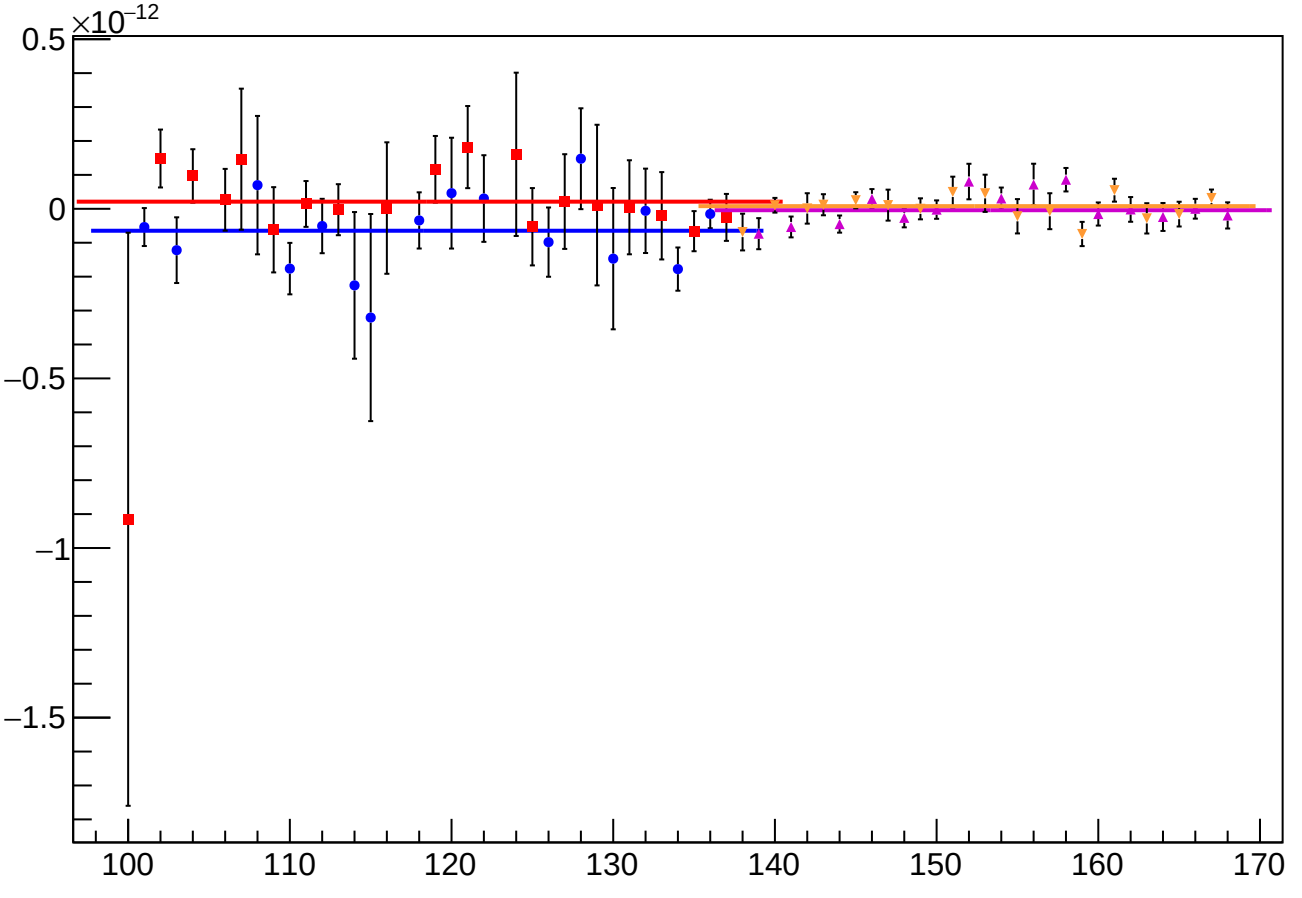
Left: 963.215+/-0.138 χ^2/NDF: 988313.7/30

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1017.567+/-0.166 χ^2/NDF:1373655.7/30

Out: 1013.732+/-0.164 χ^2/NDF:1578228.8/34

All: 1015.623+/-0.117 χ^2/NDF: 2952155.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:22.1/14

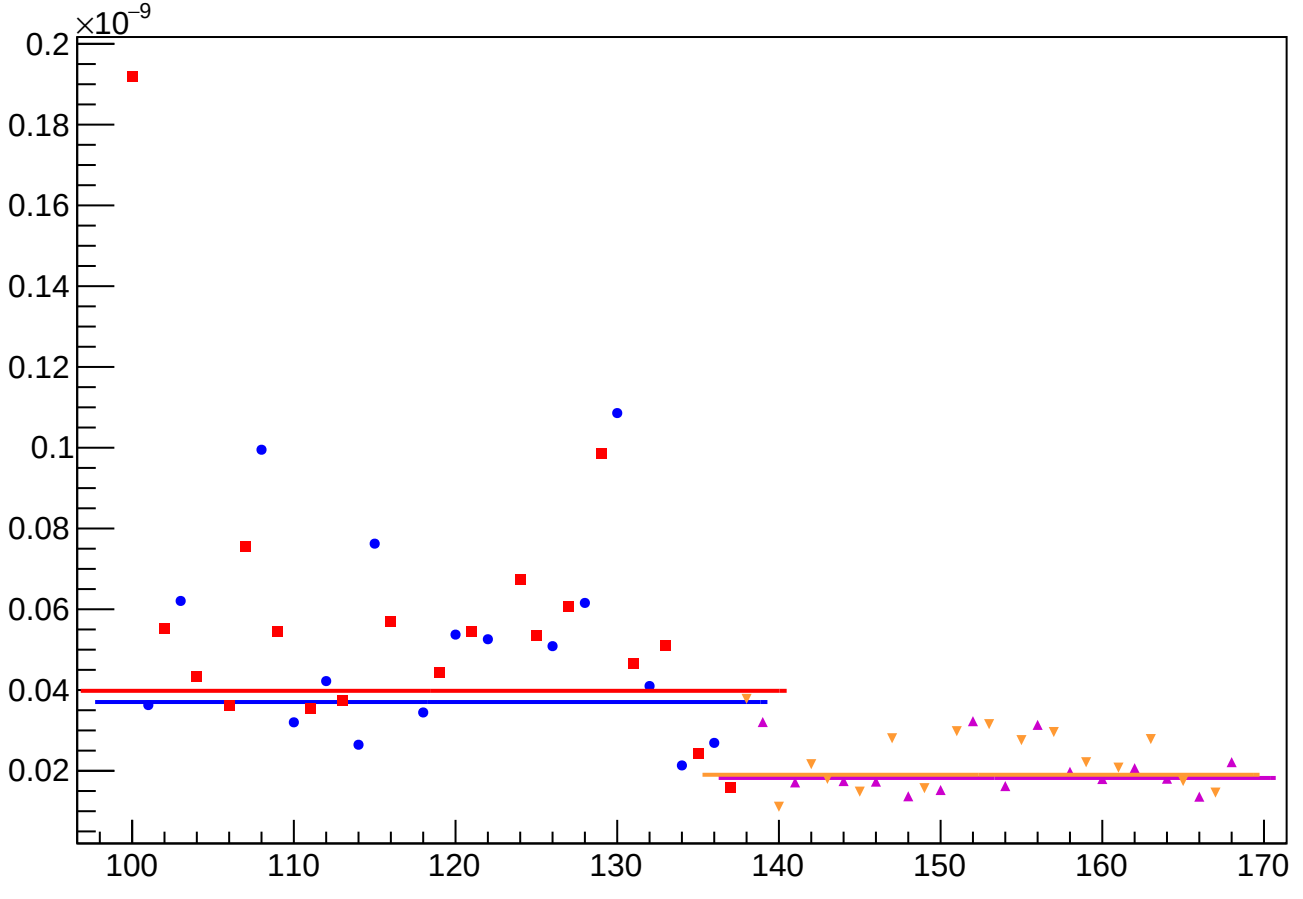
Left: 0.000+/-0.000 χ^2/NDF: 36.6/30

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.2/30

Out: 0.000+/-0.000 χ^2/NDF:25.4/34

All: -0.000+/-0.000 χ^2/NDF: 70.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1200221.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:593472.0/14

Left: 0.000+/-0.000 χ^2/NDF: 1802113.0/30

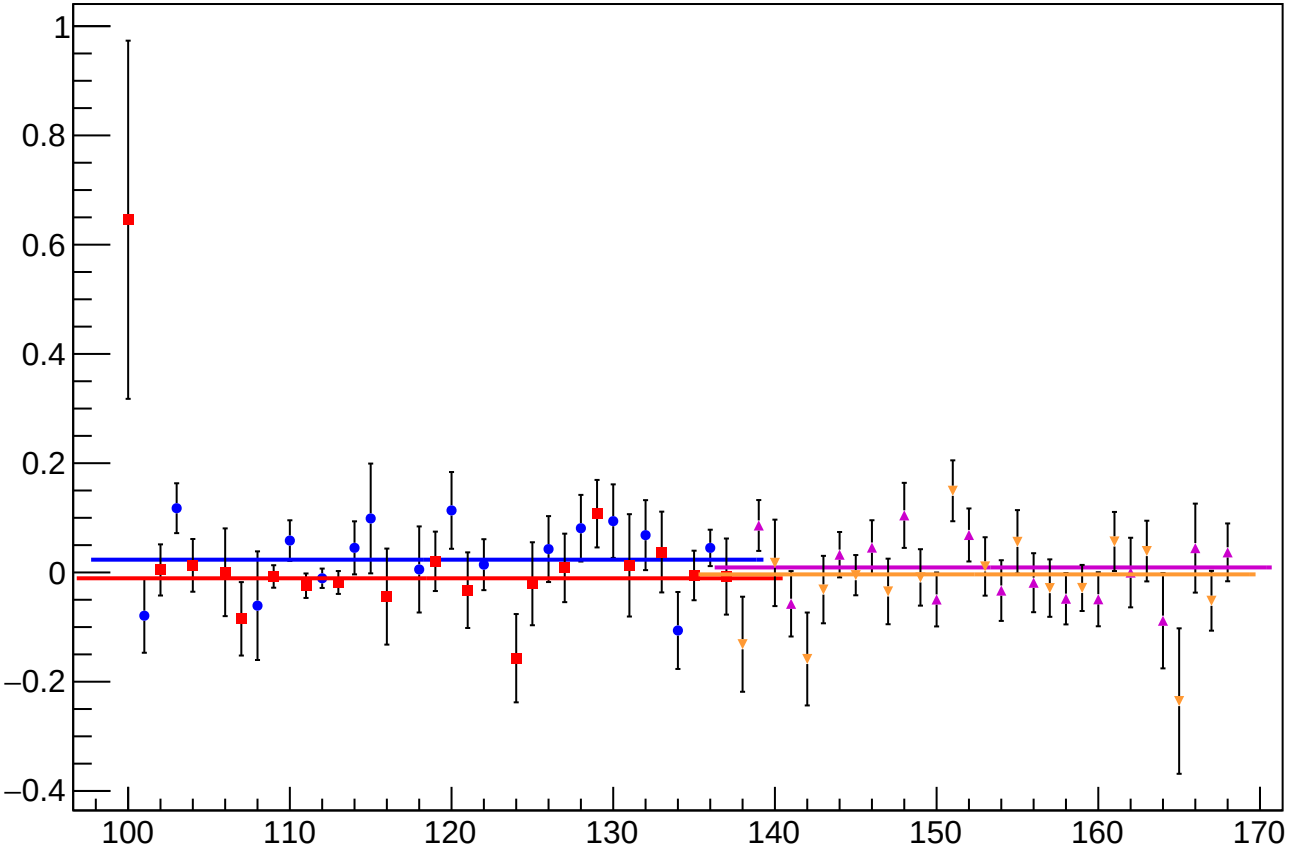
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2871405.0/30

Out: 0.000+/-0.000 χ^2/NDF:3522645.0/34

All: 0.000+/-0.000 χ^2/NDF: 6403939.1/65

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: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.014 χ^2/NDF:15.7/14

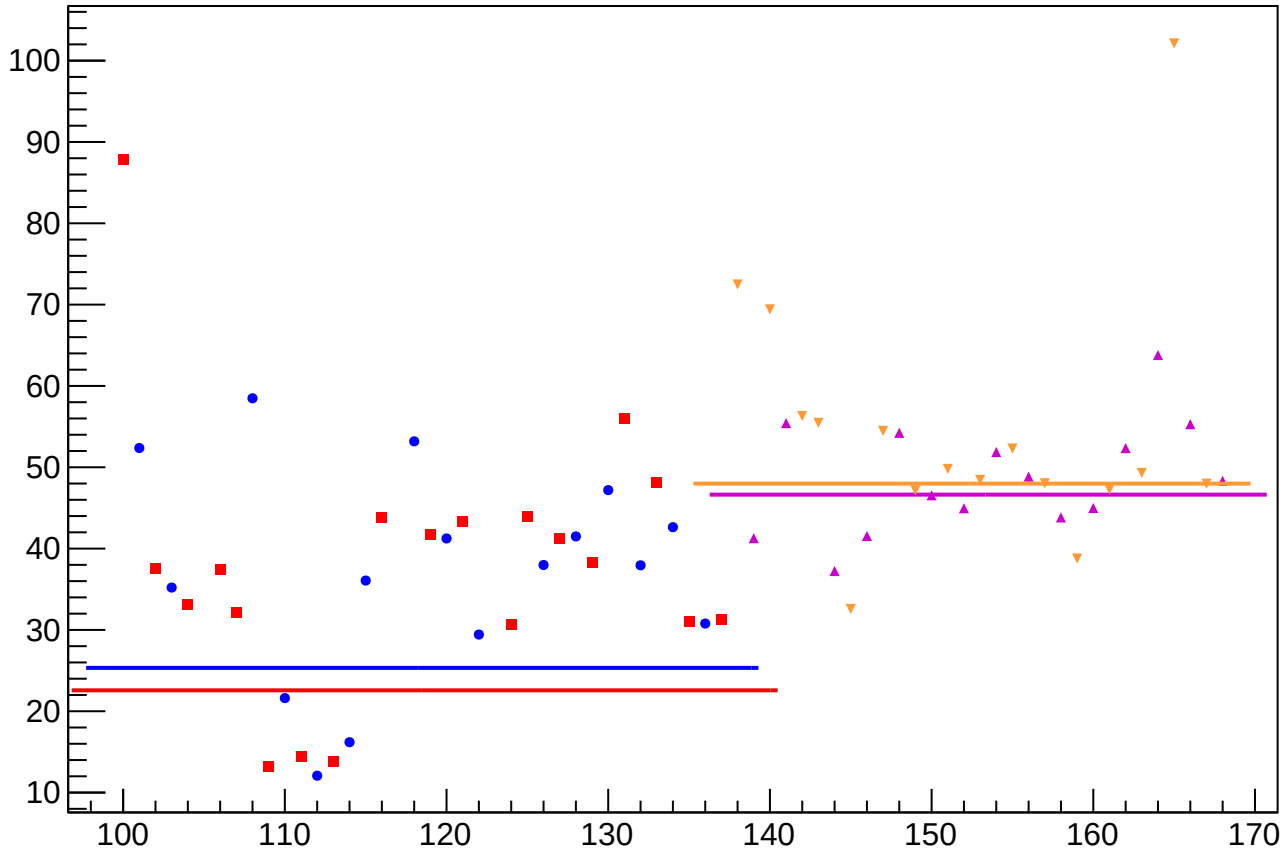
Left: 0.003+/-0.010 χ^2/NDF: 37.0/30

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:37.1/30

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.004+/-0.006 χ^2/NDF: 77.3/65



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.637+/-0.010 χ^2/NDF:376128.5/14

Left: 47.297+/-0.007 χ^2/NDF: 1553555.0/30

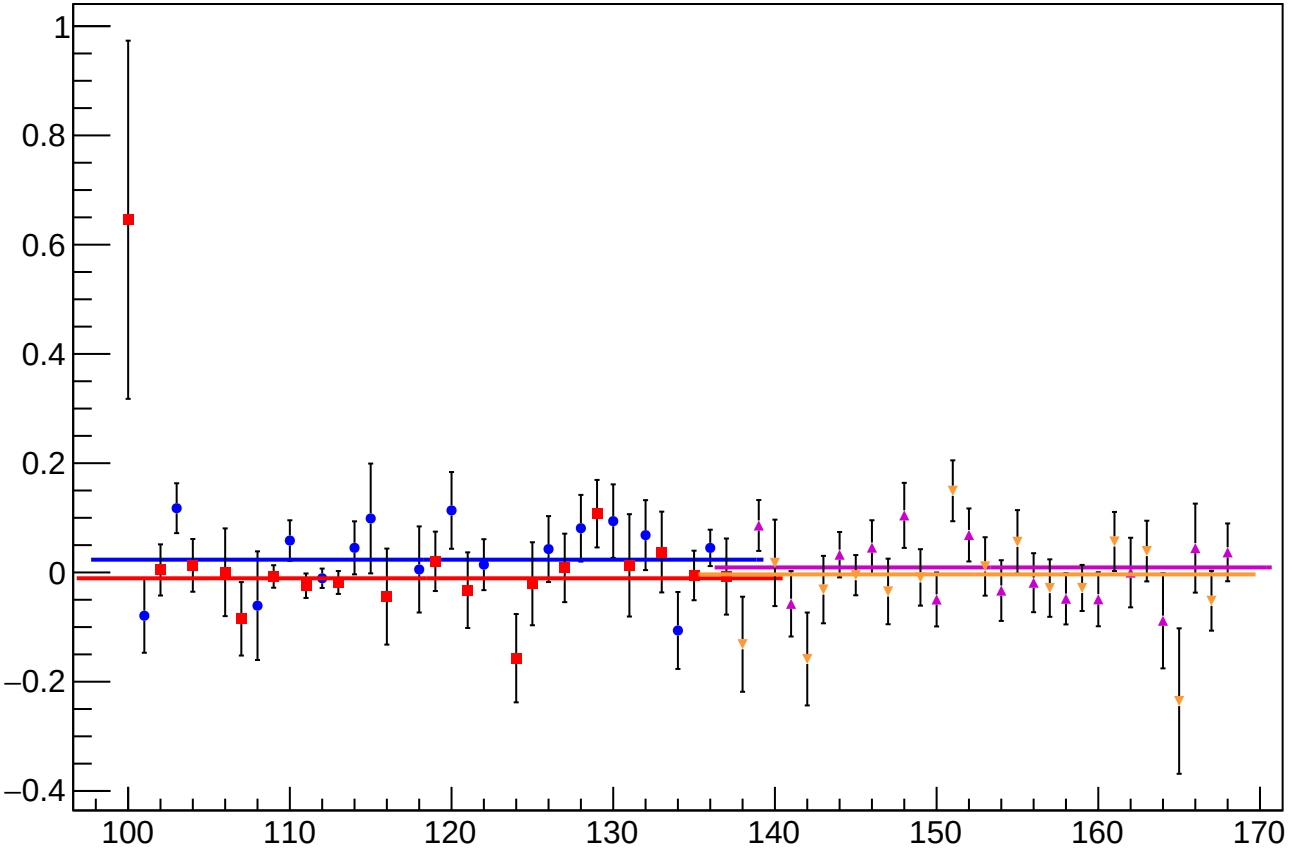
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.673+/-0.006 χ^2/NDF:6201172.6/30

Out: 30.851+/-0.006 χ^2/NDF:8688357.8/34

All: 32.163+/-0.004 χ^2/NDF: 15003802.6/65

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: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.014 χ^2/NDF:15.7/14

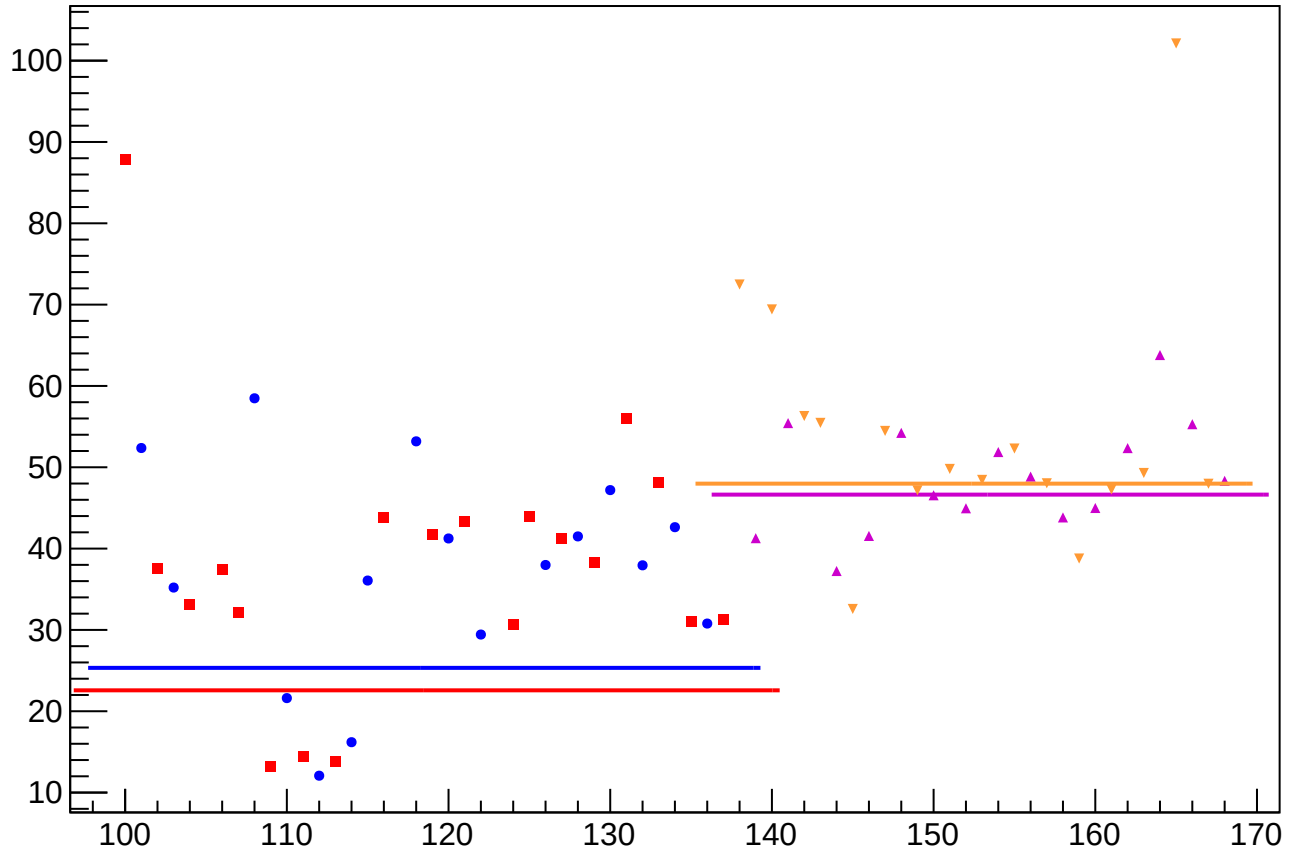
Left: 0.003+/-0.010 χ^2/NDF: 37.0/30

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:37.1/30

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.004+/-0.006 χ^2/NDF: 77.3/65



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.986+/-0.010 χ^2/NDF:1168070.4/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.637+/-0.010 χ^2/NDF:376128.5/14

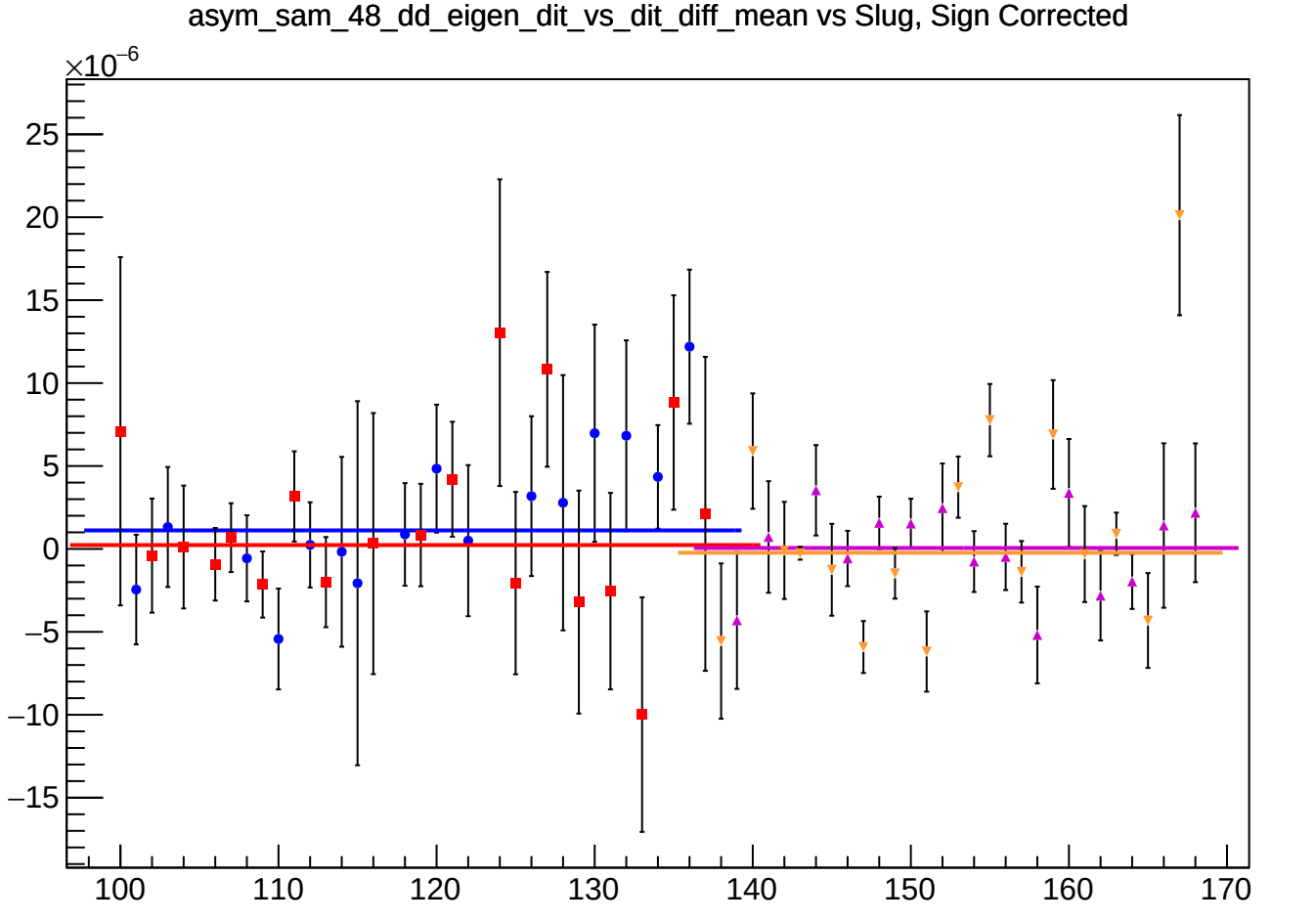
Left: 47.297+/-0.007 χ^2/NDF: 1553555.0/30

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.673+/-0.006 χ^2/NDF:6201172.6/30

Out: 30.851+/-0.006 χ^2/NDF:8688357.8/34

All: 32.163+/-0.004 χ^2/NDF: 15003802.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:61.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/14

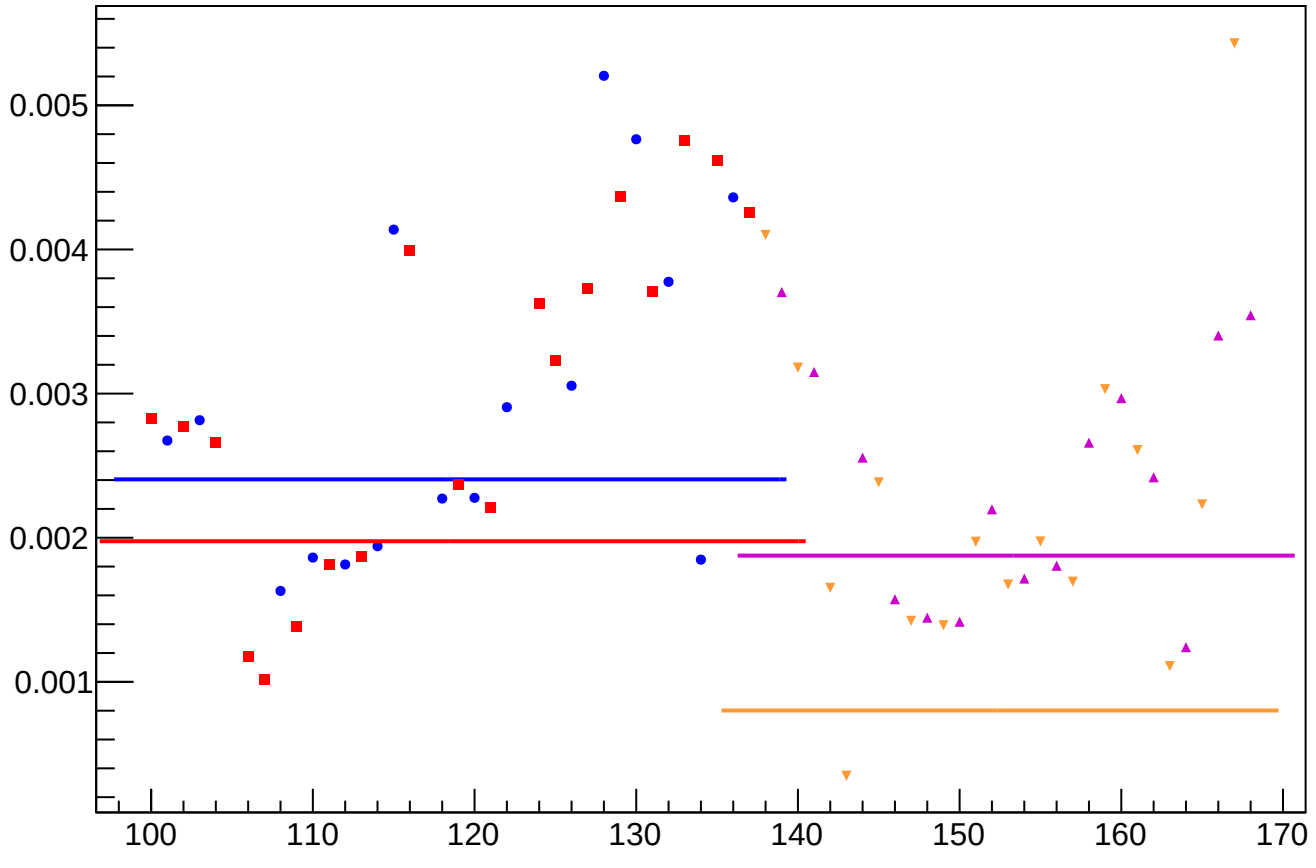
Left: -0.000+/-0.000 χ^2/NDF: 75.2/30

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/30

Out: -0.000+/-0.000 χ^2/NDF:77.3/34

All: -0.000+/-0.000 χ^2/NDF: 108.3/65



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:11577117.9/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2505221.4/14

Left: 0.001+/-0.000 χ^2/NDF: 19376306.3/30

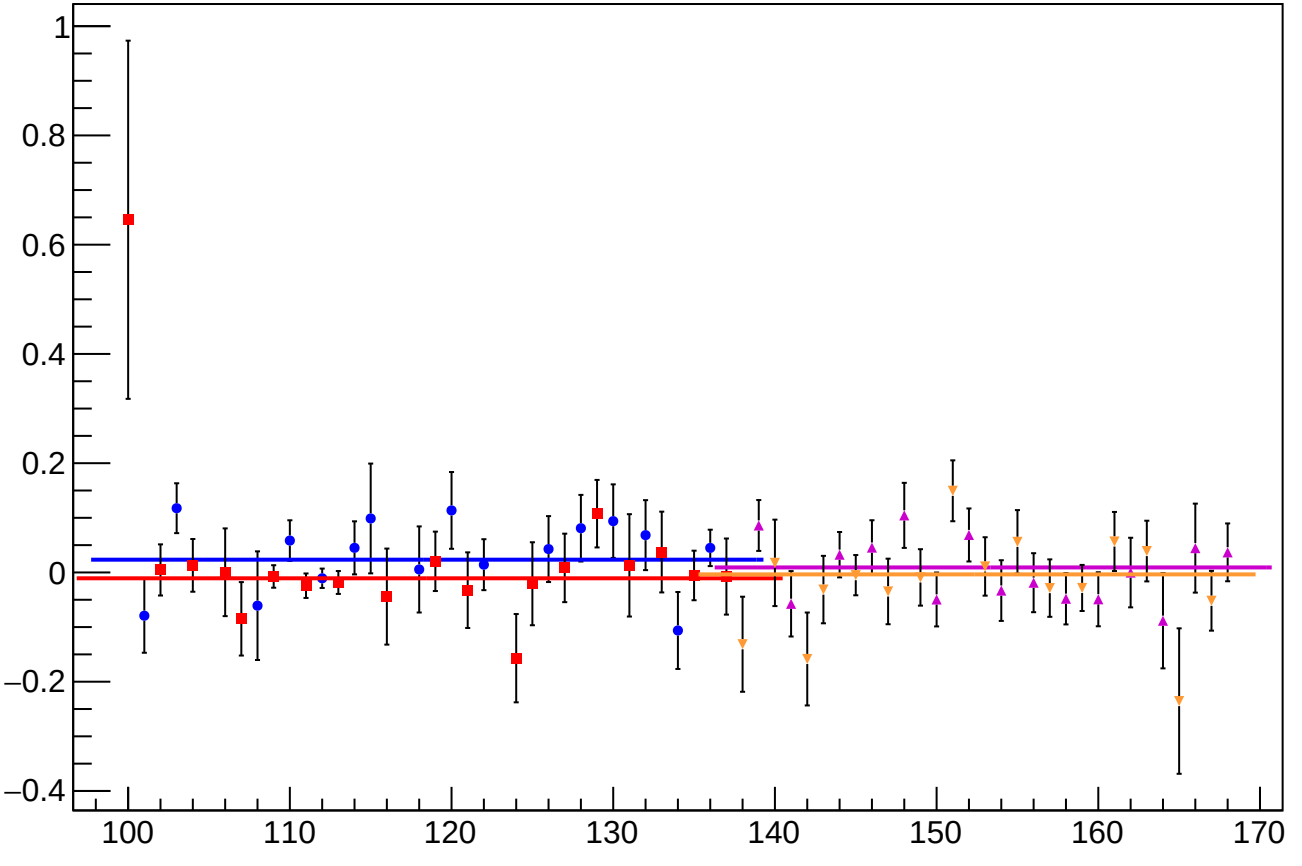
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4526263.6/30

Out: 0.001+/-0.000 χ^2/NDF:17973055.9/34

All: 0.001+/-0.000 χ^2/NDF: 29257462.7/65

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: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.014 χ^2/NDF:15.7/14

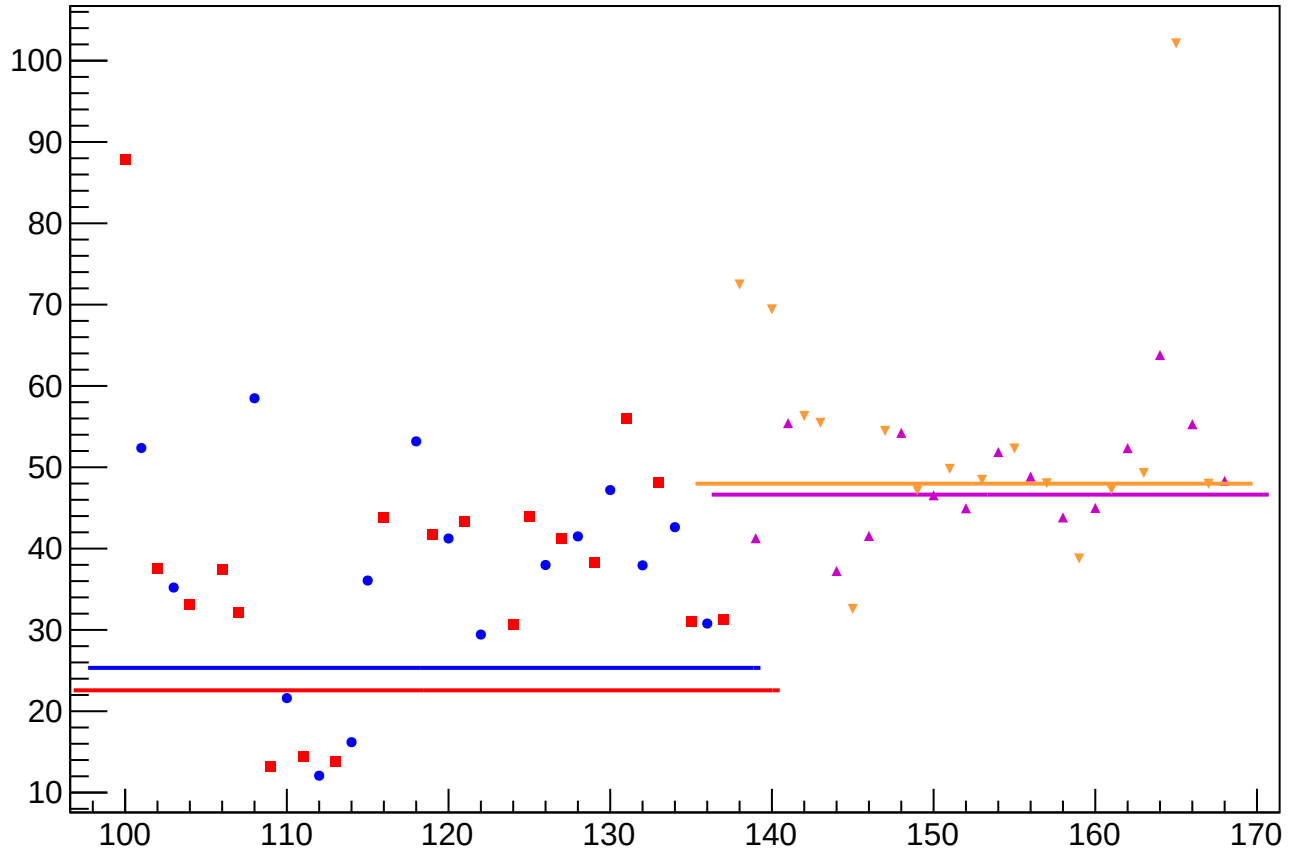
Left: 0.003+/-0.010 χ^2/NDF: 37.0/30

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:37.1/30

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.004+/-0.006 χ^2/NDF: 77.3/65



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168029.7/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.637+/-0.010 χ^2/NDF:376112.4/14

Left: 47.297+/-0.007 χ^2/NDF: 1553498.3/30

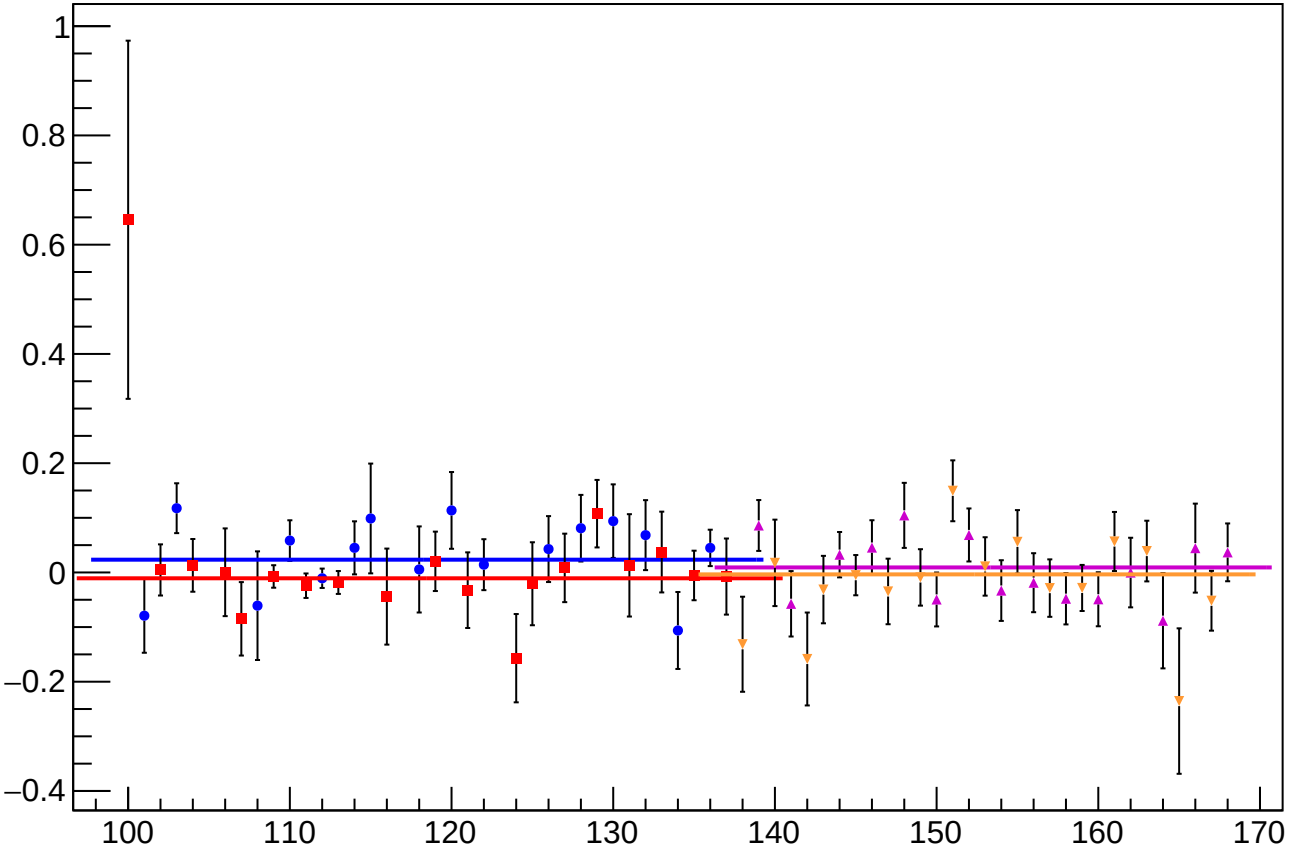
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.672+/-0.006 χ^2/NDF:6202089.7/30

Out: 30.851+/-0.006 χ^2/NDF:8688695.6/34

All: 32.162+/-0.004 χ^2/NDF: 15004996.6/65

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: -0.004+/-0.014 χ^2/NDF:20.9/15

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.014 χ^2/NDF:15.7/14

Left: 0.003+/-0.010 χ^2/NDF: 37.0/30

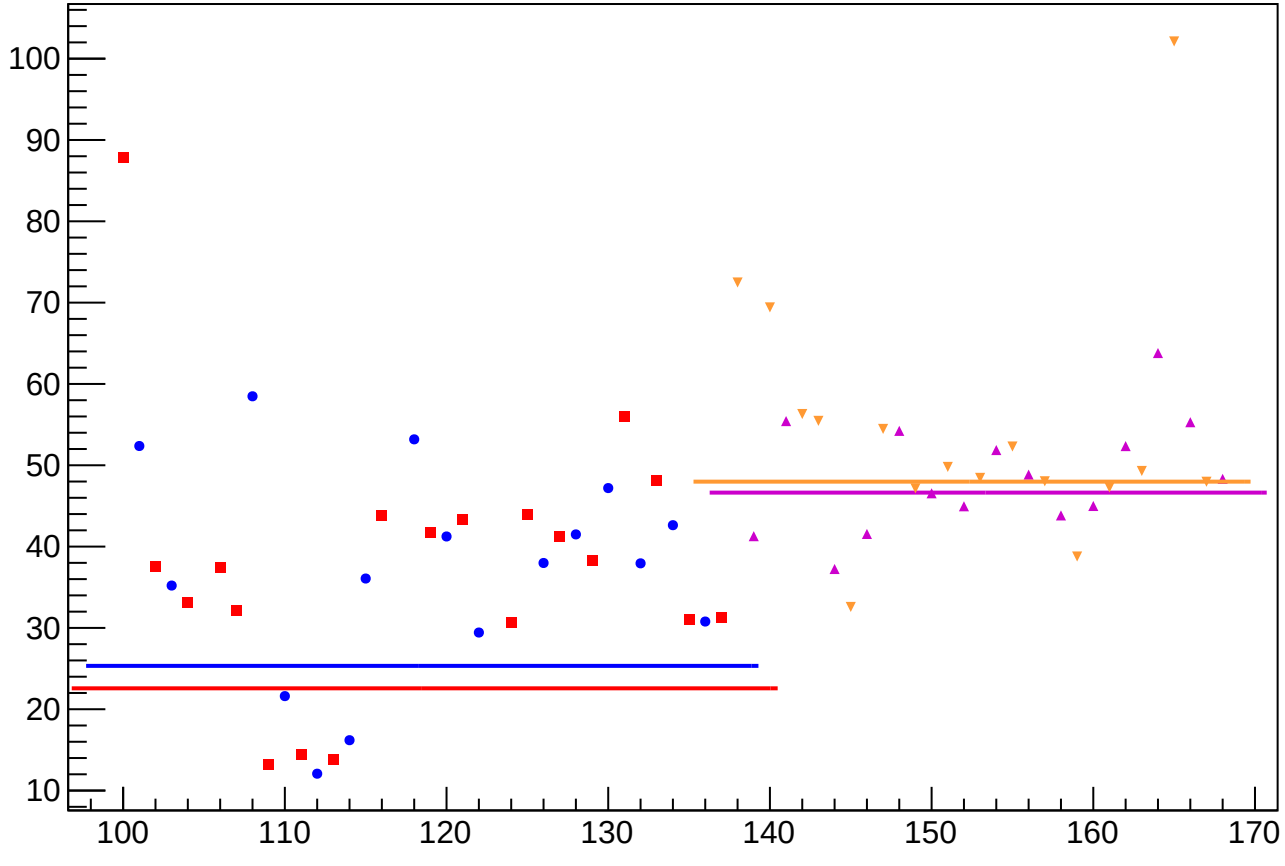
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:37.1/30

Out: -0.008+/-0.008 χ^2/NDF:35.3/34

All: 0.004+/-0.006 χ^2/NDF: 77.3/65

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: 47.987+/-0.010 χ^2/NDF:1168029.7/15

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.637+/-0.010 χ^2/NDF:376112.4/14

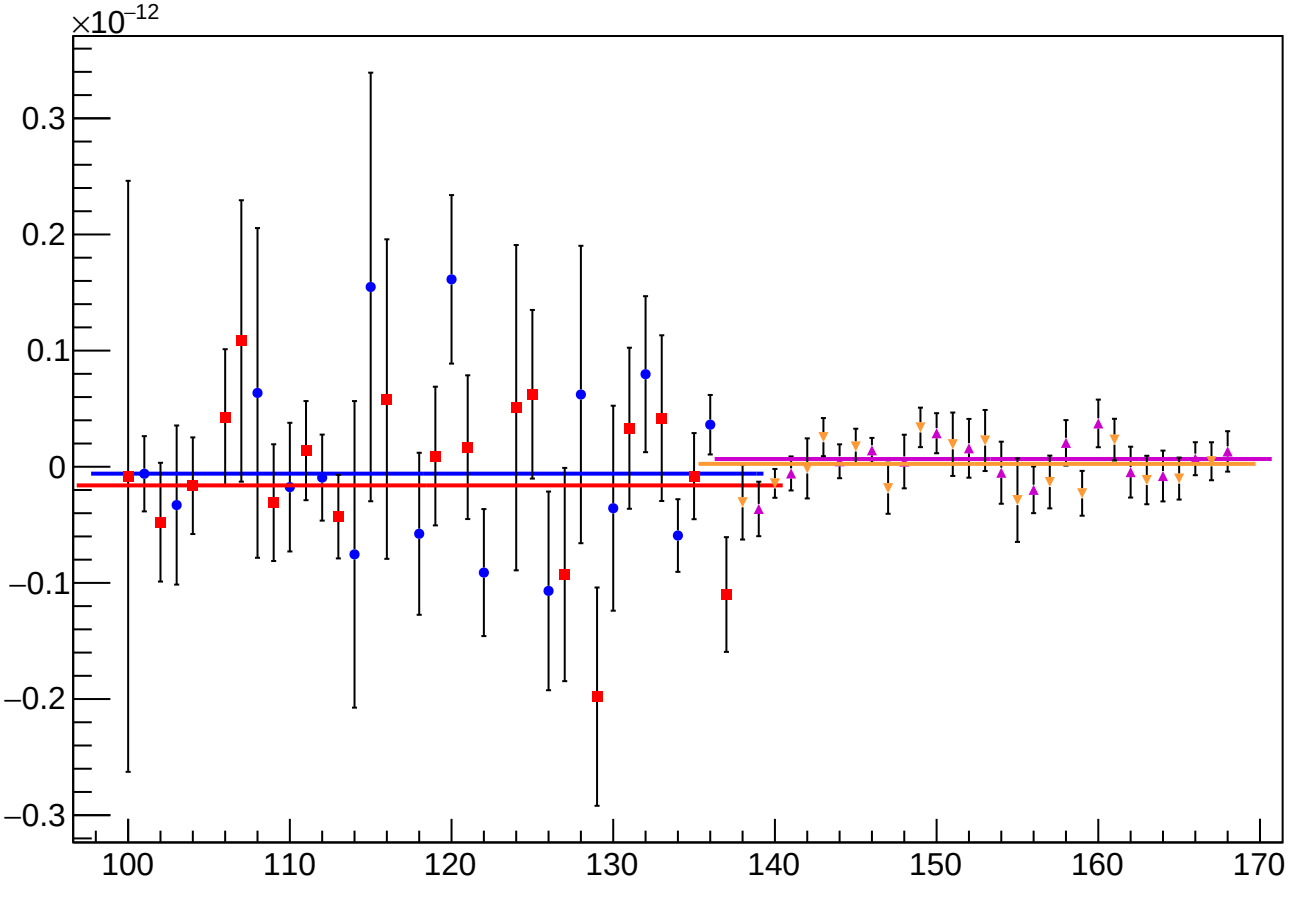
Left: 47.297+/-0.007 χ^2/NDF: 1553498.3/30

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.672+/-0.006 χ^2/NDF:6202089.7/30

Out: 30.851+/-0.006 χ^2/NDF:8688695.6/34

All: 32.162+/-0.004 χ^2/NDF: 15004996.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/14

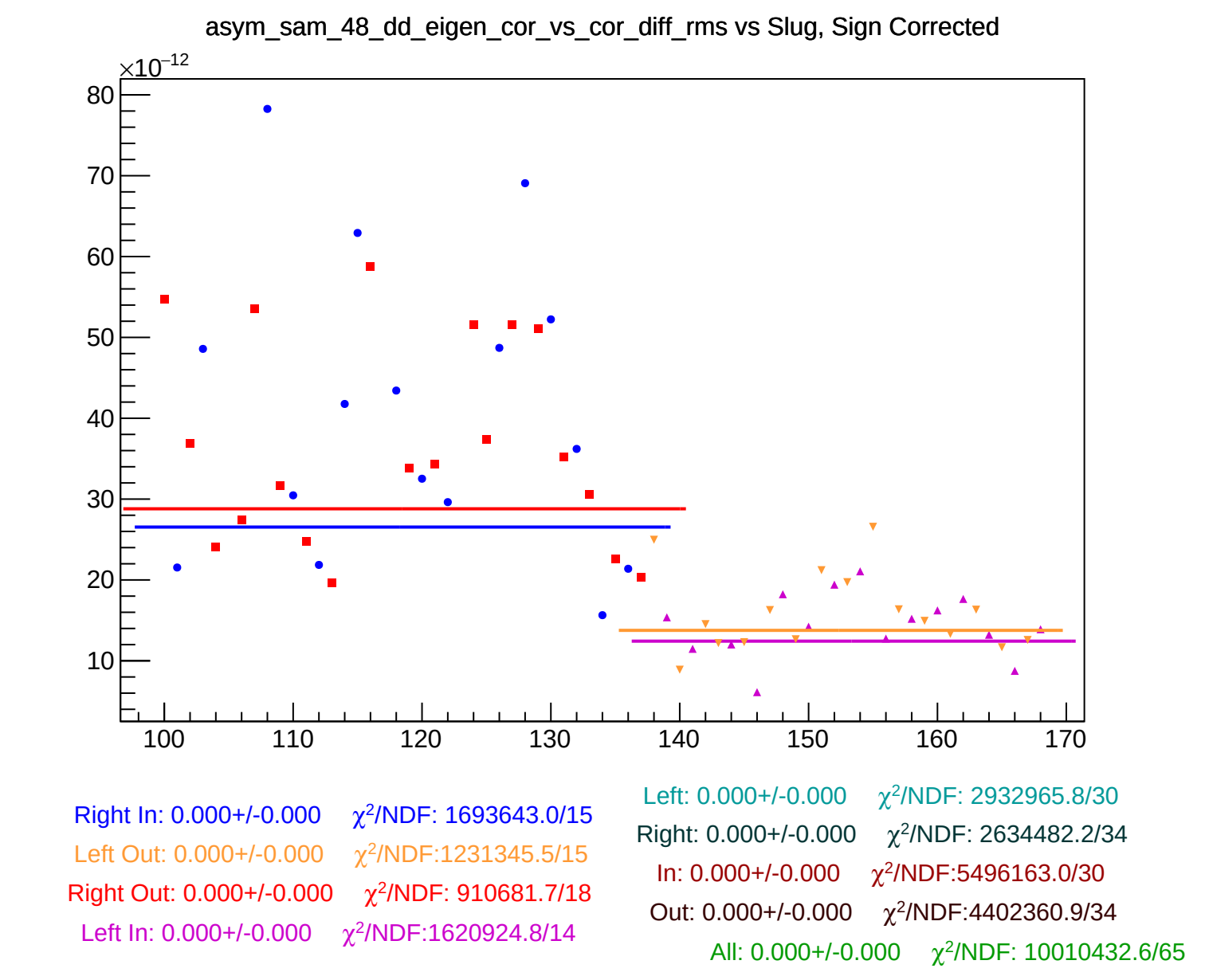
Left: 0.000+/-0.000 χ^2/NDF: 28.7/30

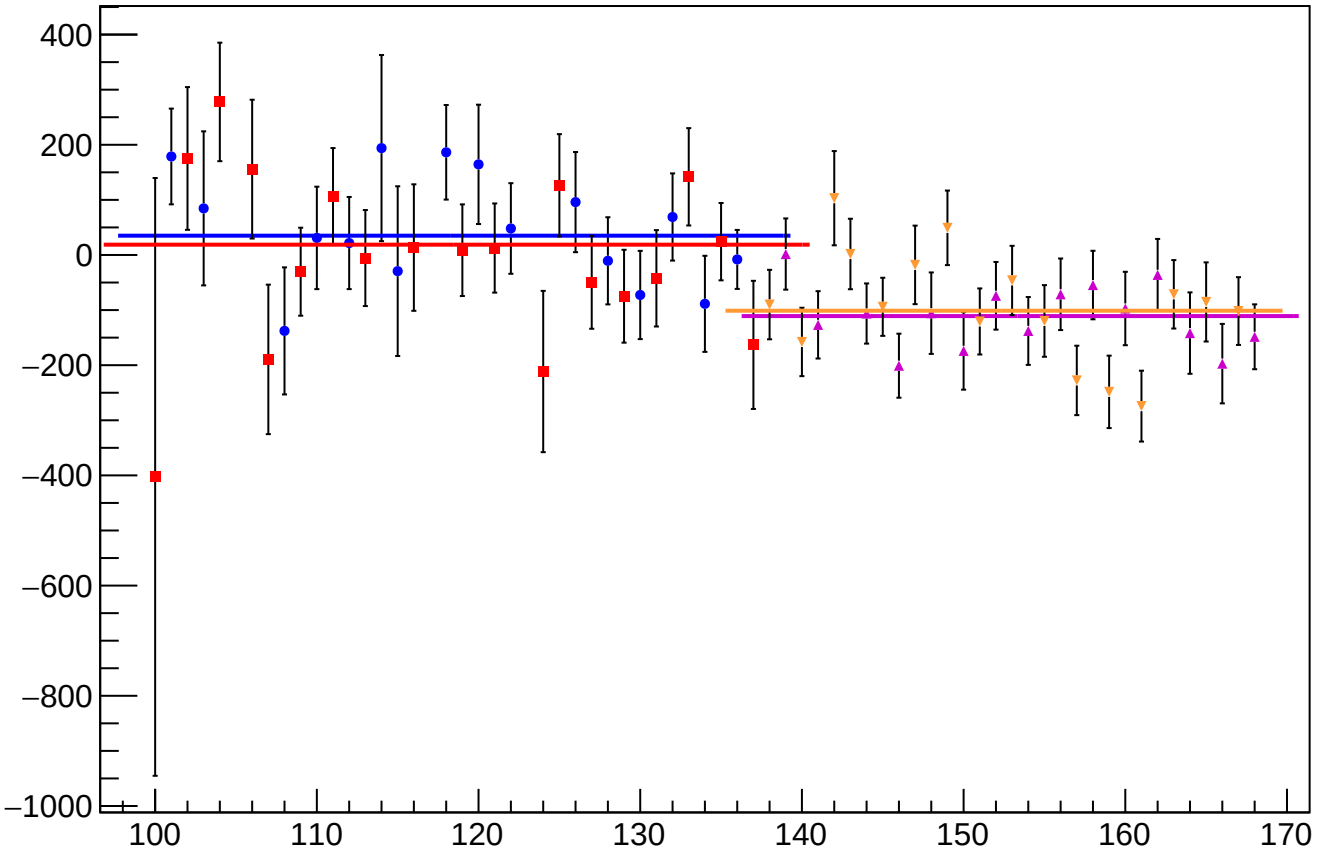
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.6/30

Out: 0.000+/-0.000 χ^2/NDF:33.1/34

All: 0.000+/-0.000 χ^2/NDF: 65.3/65


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1231345.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1620924.8/14
Left: 0.000+/-0.000 χ²/NDF: 2932965.8/30
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5496163.0/30
Out: 0.000+/-0.000 χ²/NDF:4402360.9/34
All: 0.000+/-0.000 χ²/NDF: 10010432.6/65



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.158+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -110.885+/-16.501 χ^2/NDF:11.4/14

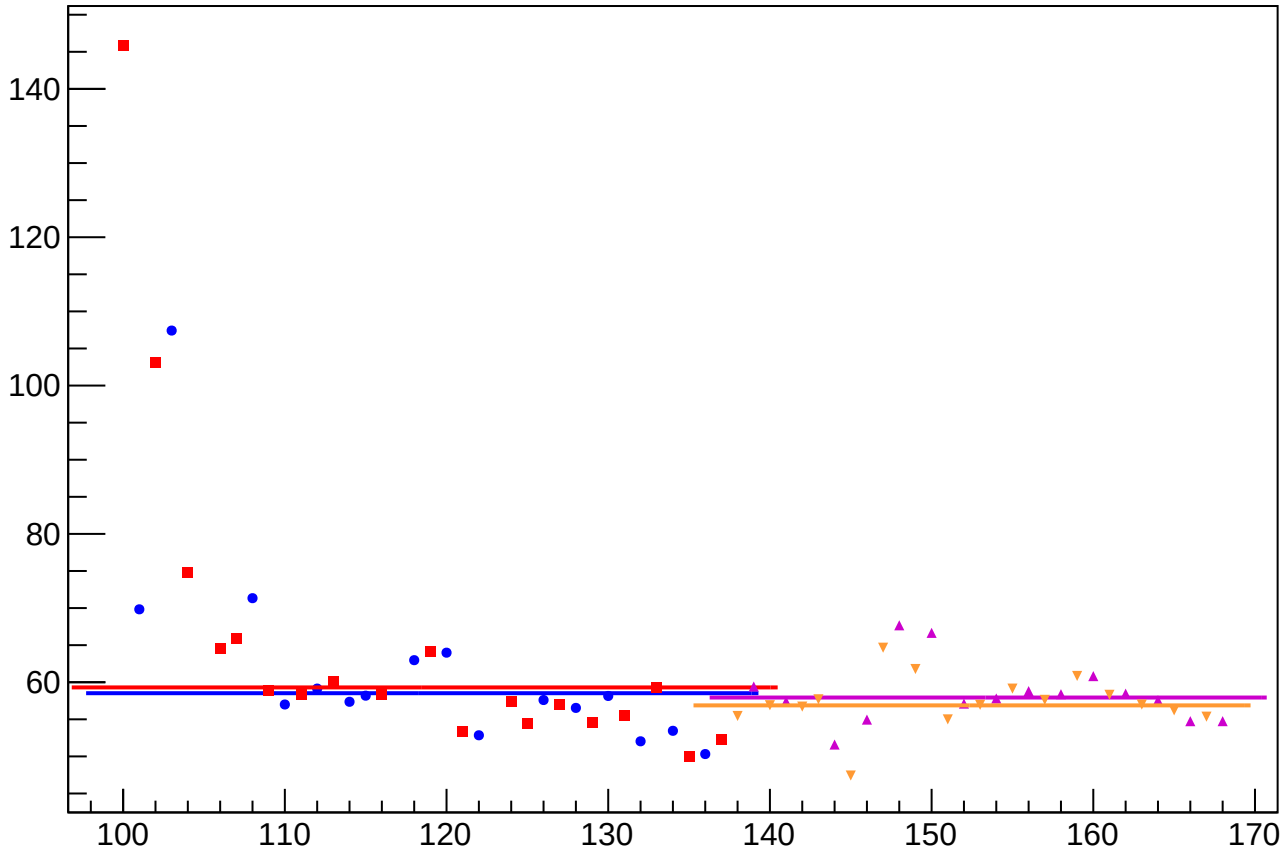
Left: -105.888+/-11.507 χ^2/NDF: 44.6/30

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -58.766+/-13.229 χ^2/NDF:55.6/30

Out: -59.850+/-12.996 χ^2/NDF:75.7/34

All: -59.318+/-9.271 χ^2/NDF: 131.3/65



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.1/15

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

Left: 57.394+/-0.008 χ^2/NDF: 231939.2/30

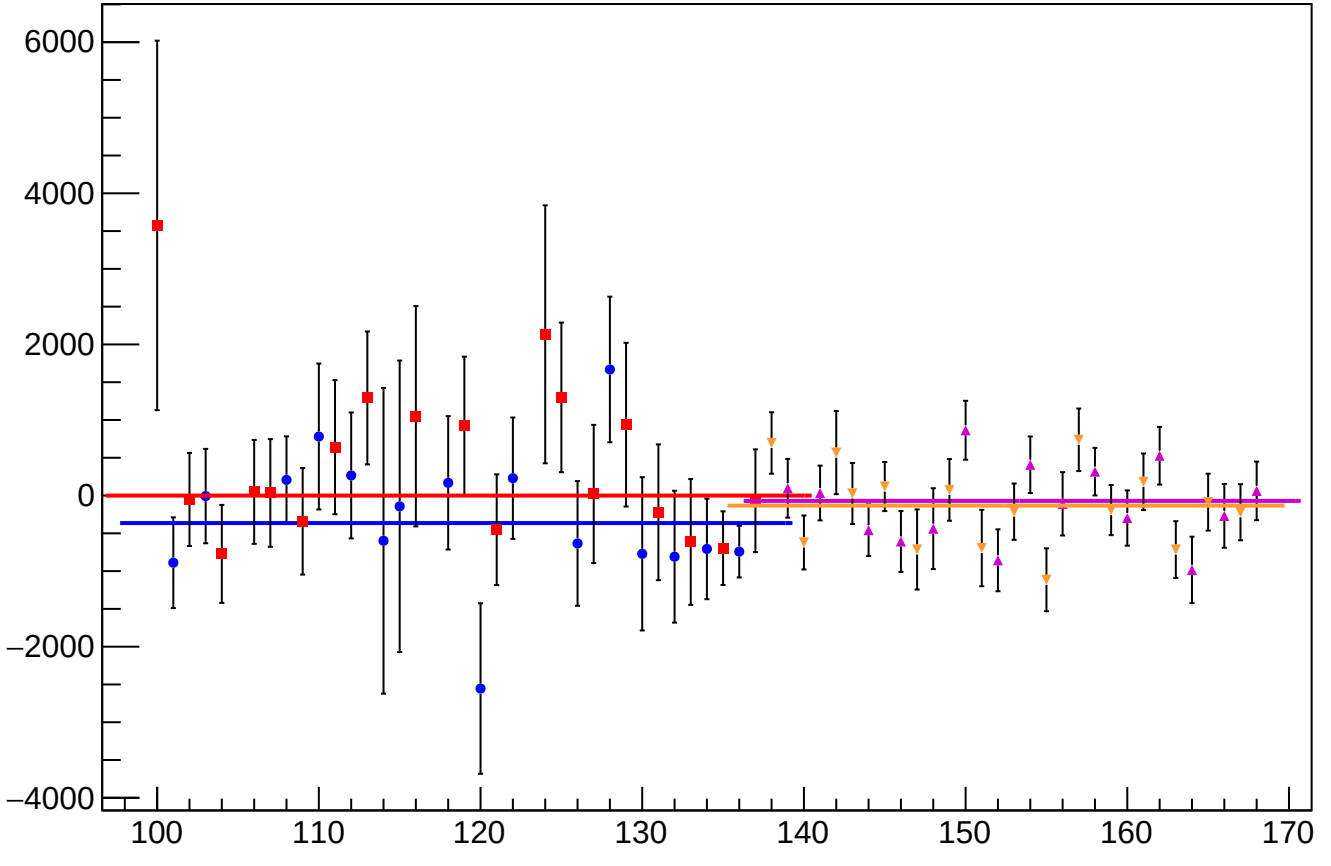
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.146+/-0.009 χ^2/NDF:506920.5/30

Out: 57.714+/-0.009 χ^2/NDF:536725.9/34

All: 57.927+/-0.007 χ^2/NDF: 1044730.9/65

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: -133.212+/-98.643 χ^2/NDF:24.4/15

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -70.909+/-100.151 χ^2/NDF:23.9/14

Left: -102.533+/-70.278 χ^2/NDF: 48.4/30

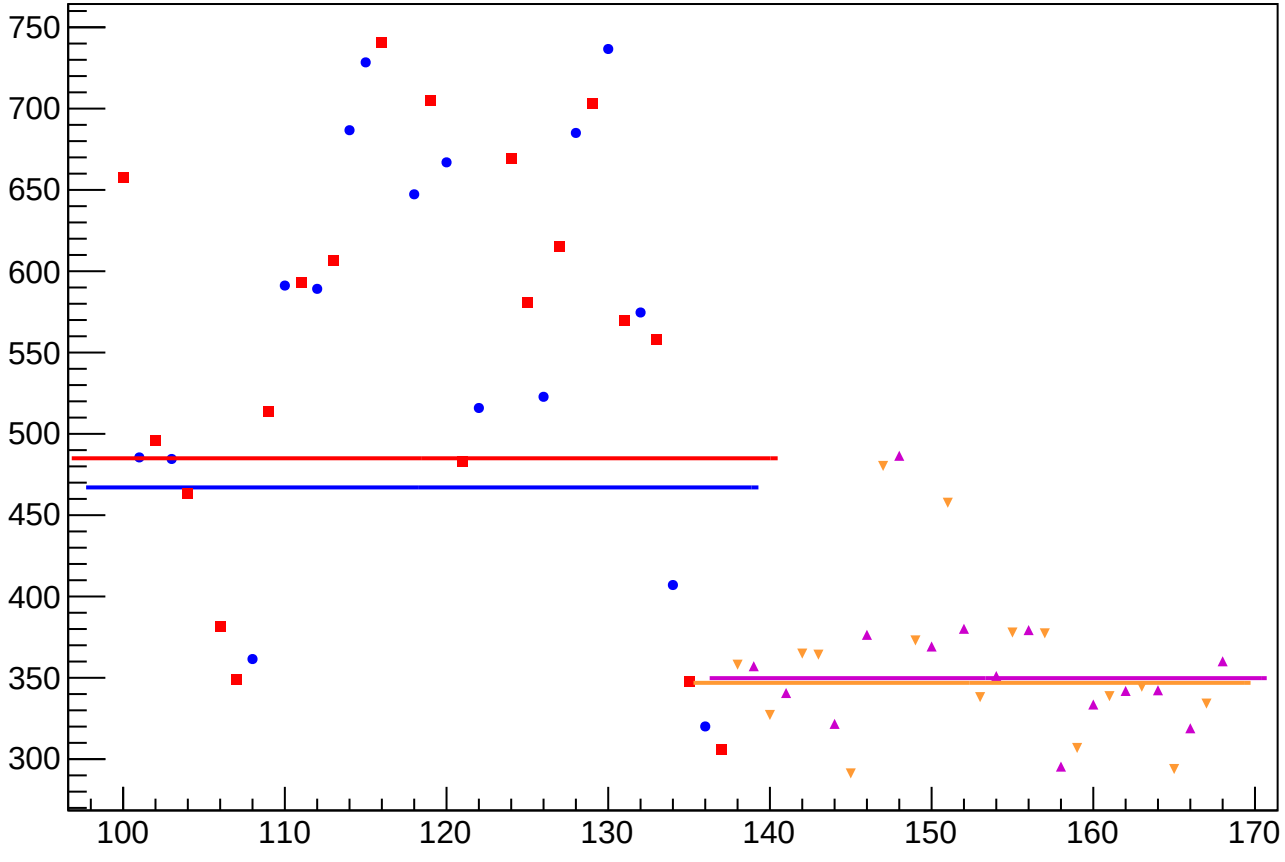
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -139.860+/-87.585 χ^2/NDF:41.1/30

Out: -103.370+/-86.841 χ^2/NDF:39.8/34

All: -121.460+/-61.667 χ^2/NDF: 81.0/65

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: 346.906+/-0.070 χ^2/NDF:398308.3/15

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 349.792+/-0.071 χ^2/NDF:258018.8/14

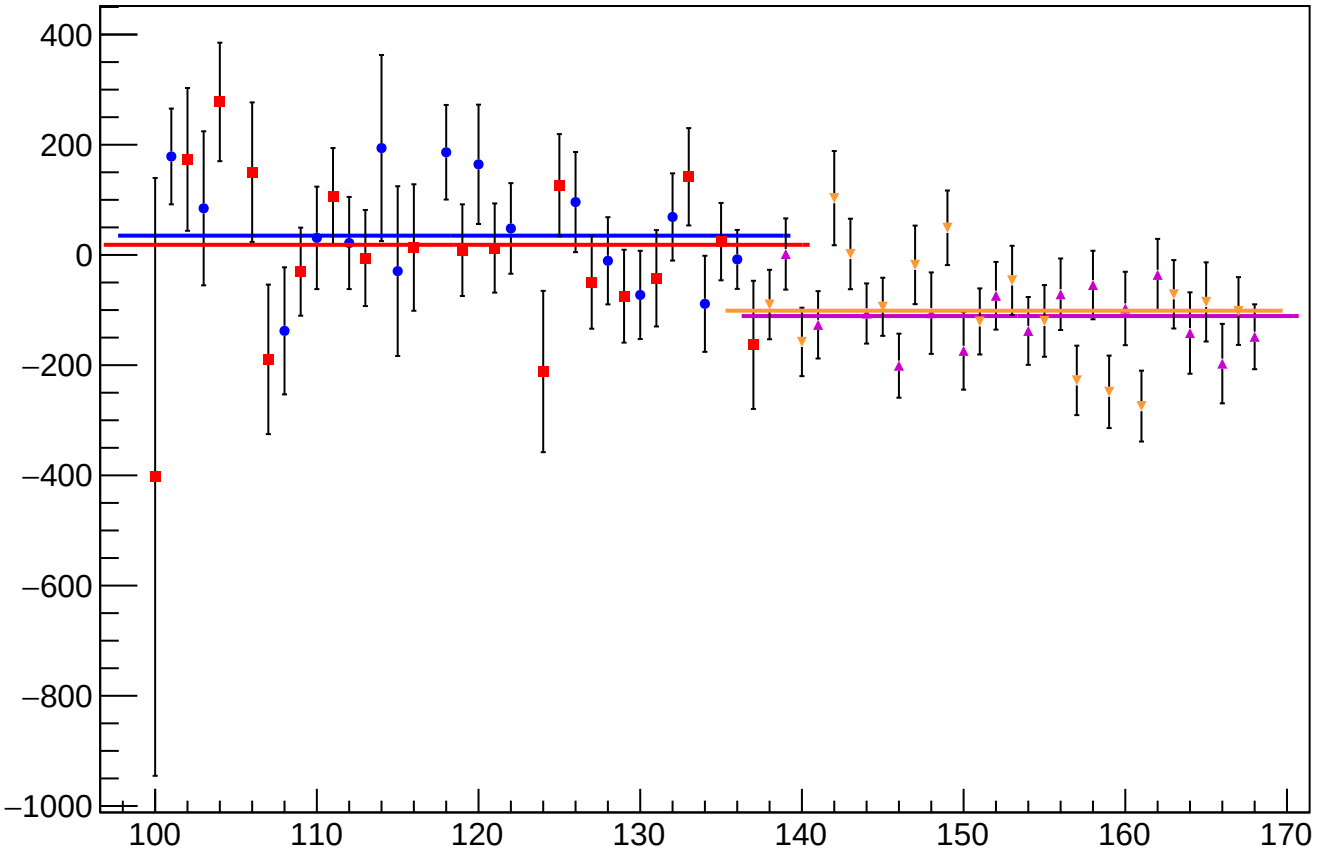
Left: 348.327+/-0.050 χ^2/NDF: 657169.6/30

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 377.374+/-0.062 χ^2/NDF:1933304.9/30

Out: 377.971+/-0.061 χ^2/NDF:2154003.2/34

All: 377.675+/-0.044 χ^2/NDF: 4087354.9/65



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -110.886+/-16.501 χ^2/NDF:11.4/14

Left: -105.887+/-11.507 χ^2/NDF: 44.6/30

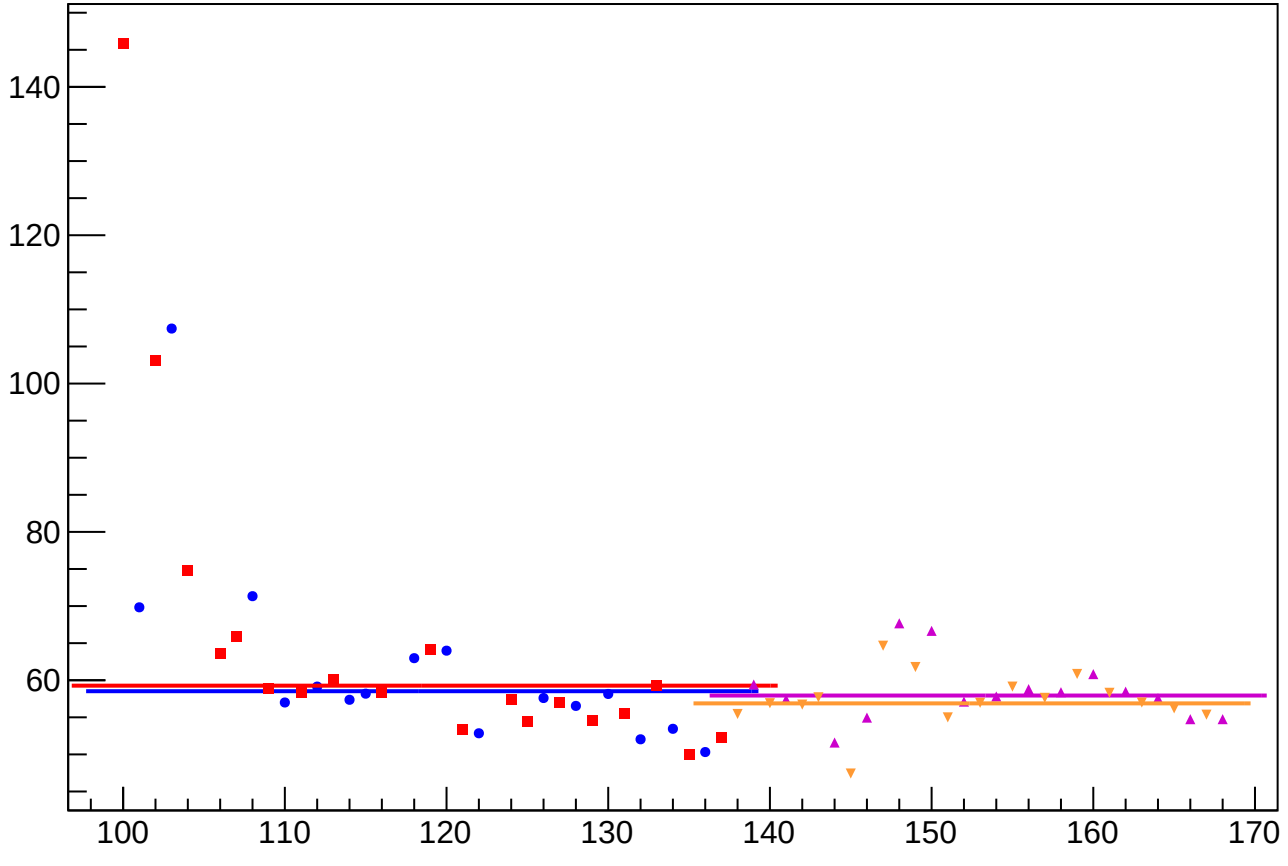
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.767+/-13.229 χ^2/NDF:55.6/30

Out: -59.952+/-12.997 χ^2/NDF:75.5/34

All: -59.370+/-9.271 χ^2/NDF: 131.1/65

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: 56.880+/-0.011 χ^2/NDF:114433.2/15

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

Left: 57.394+/-0.008 χ^2/NDF: 231939.2/30

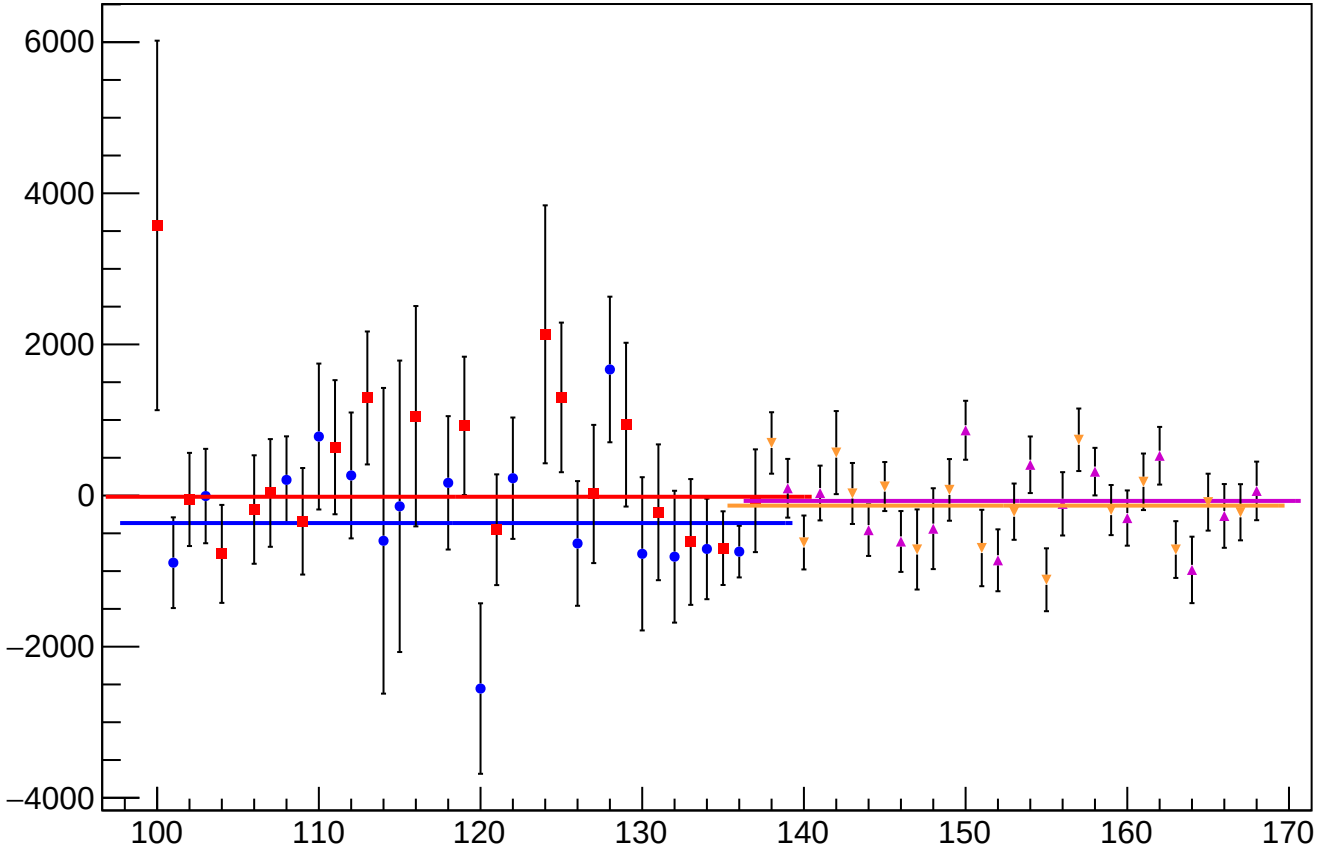
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.146+/-0.009 χ^2/NDF:506922.6/30

Out: 57.703+/-0.009 χ^2/NDF:535317.4/34

All: 57.921+/-0.007 χ^2/NDF: 1043381.4/65

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -133.211+/-98.644 χ^2/NDF:24.4/15

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -70.909+/-100.151 χ^2/NDF:23.9/14

Left: -102.533+/-70.278 χ^2/NDF: 48.4/30

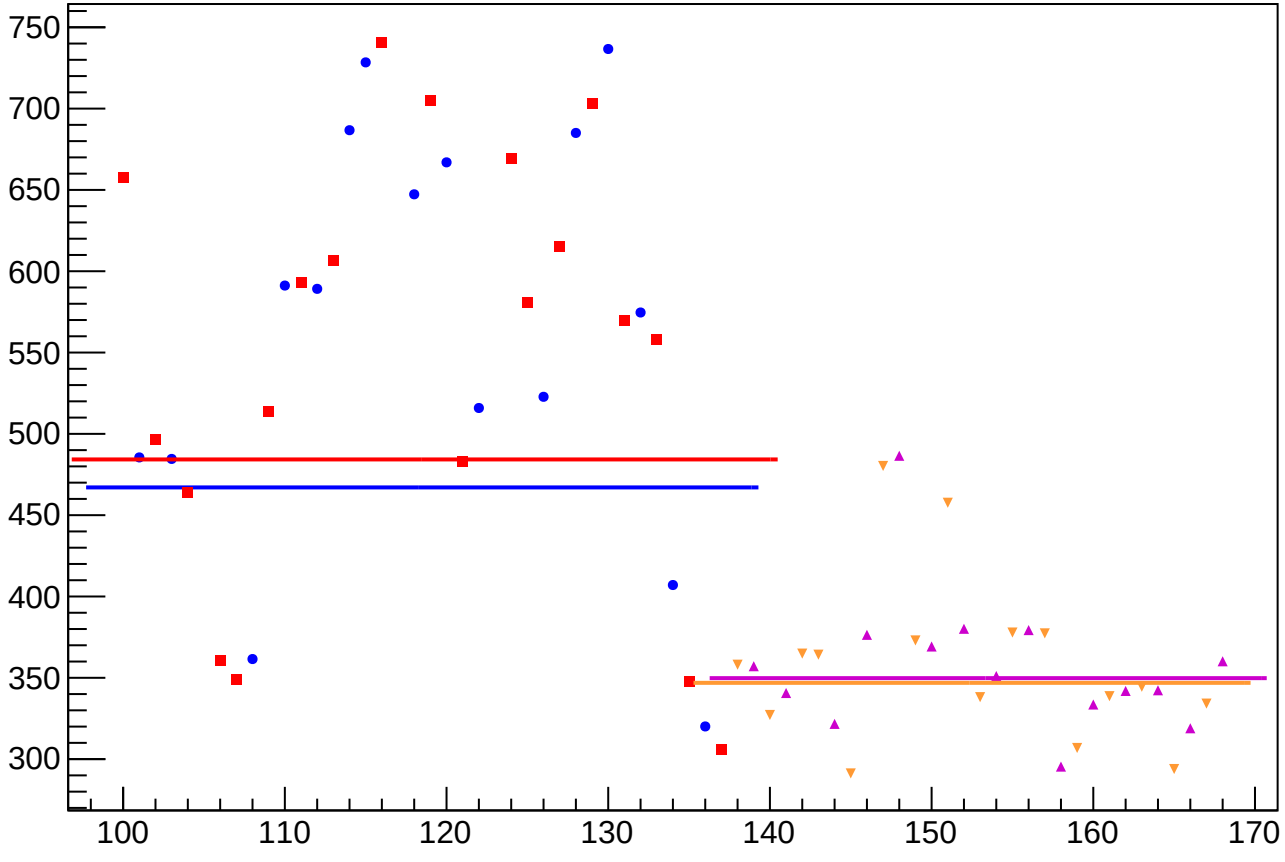
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -139.851+/-87.586 χ^2/NDF:41.1/30

Out: -106.986+/-86.901 χ^2/NDF:39.8/34

All: -123.290+/-61.689 χ^2/NDF: 81.0/65

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.792+/-0.071 χ^2/NDF:258019.1/14

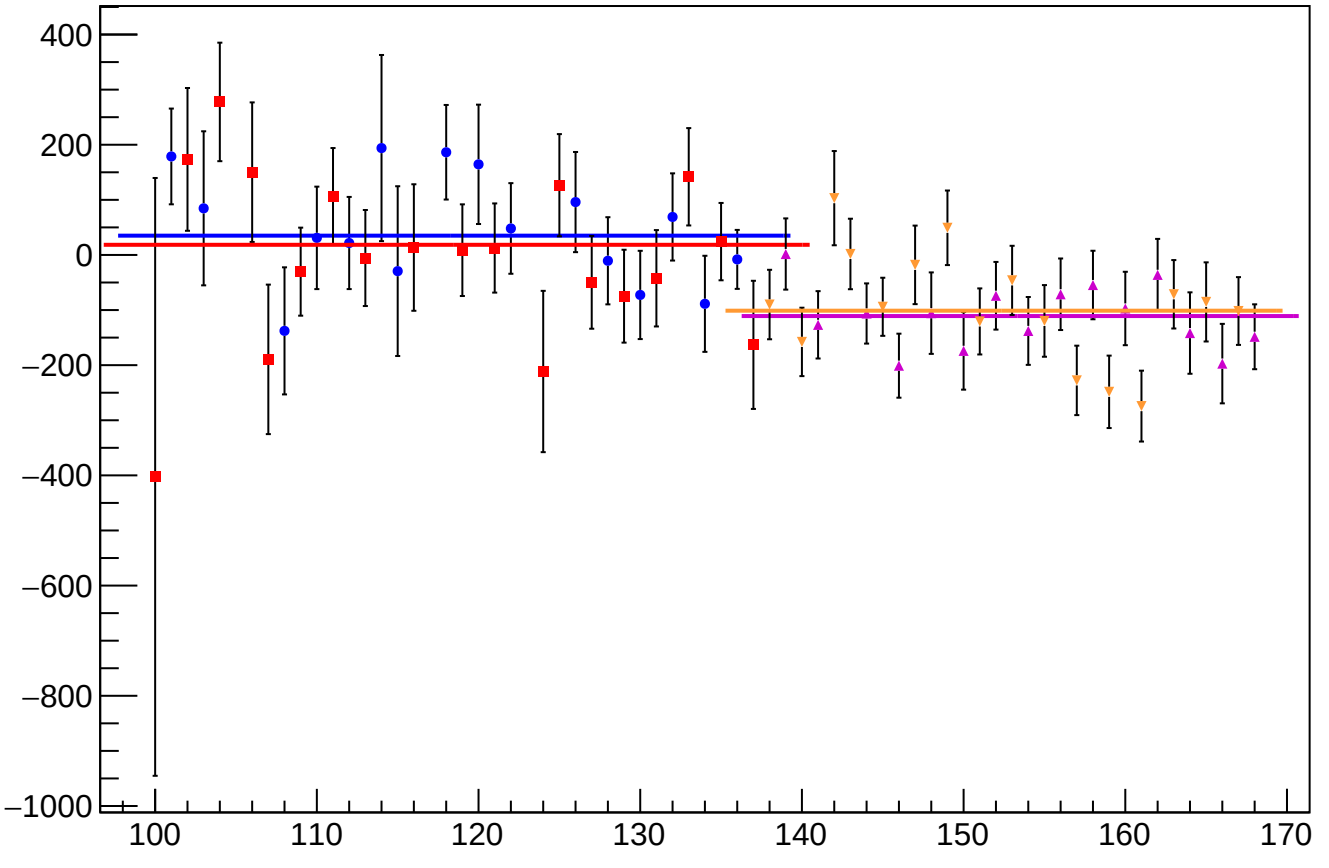
Left: 348.327+/-0.050 χ^2/NDF: 657169.6/30

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 377.375+/-0.062 χ^2/NDF:1933328.4/30

Out: 377.664+/-0.061 χ^2/NDF:2155517.0/34

All: 377.520+/-0.044 χ^2/NDF: 4088856.4/65



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.155+/-16.054 χ^2/NDF:33.0/15

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -110.886+/-16.501 χ^2/NDF:11.4/14

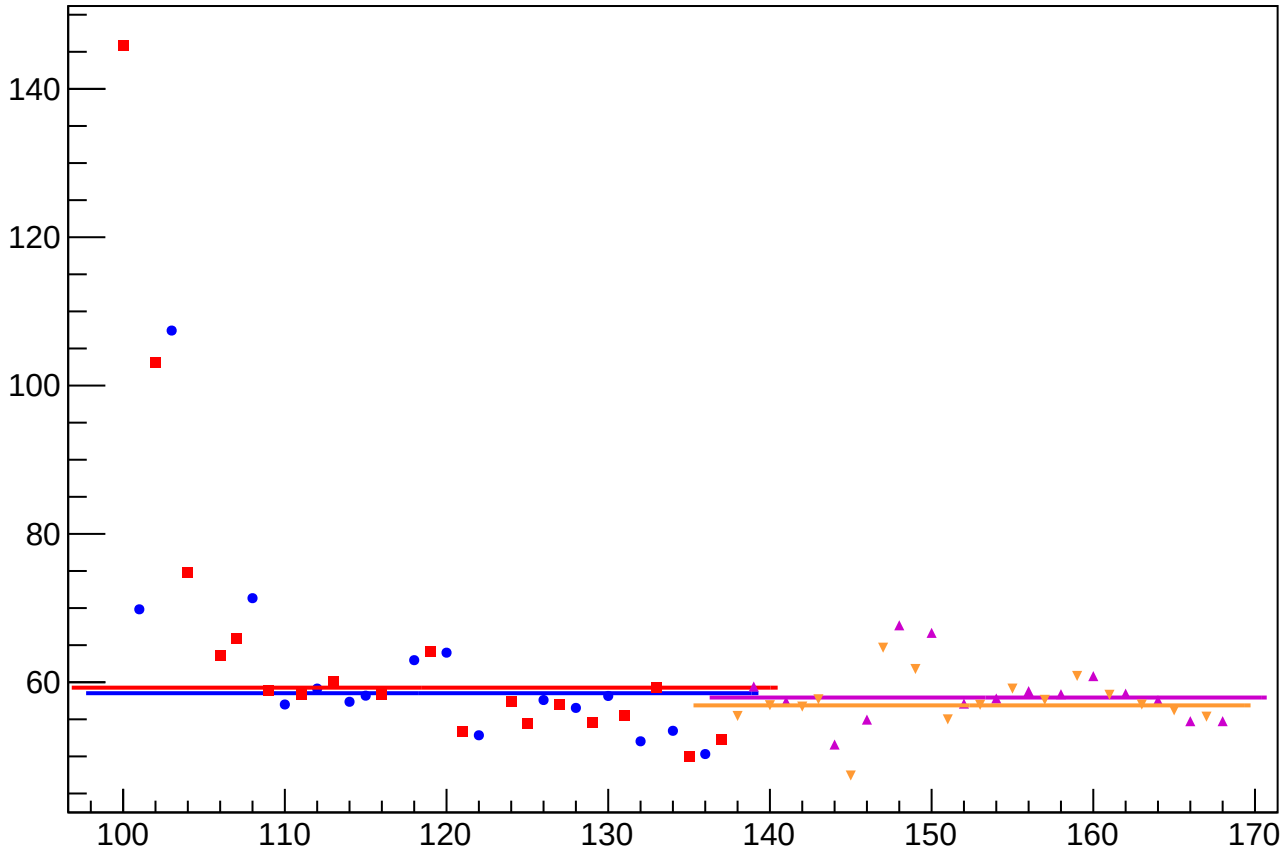
Left: -105.887+/-11.507 χ^2/NDF: 44.6/30

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.767+/-13.229 χ^2/NDF:55.6/30

Out: -59.952+/-12.997 χ^2/NDF:75.5/34

All: -59.370+/-9.271 χ^2/NDF: 131.1/65



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.880+/-0.011 χ^2/NDF:114433.2/15

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.938+/-0.012 χ^2/NDF:113283.4/14

Left: 57.394+/-0.008 χ^2/NDF: 231939.2/30

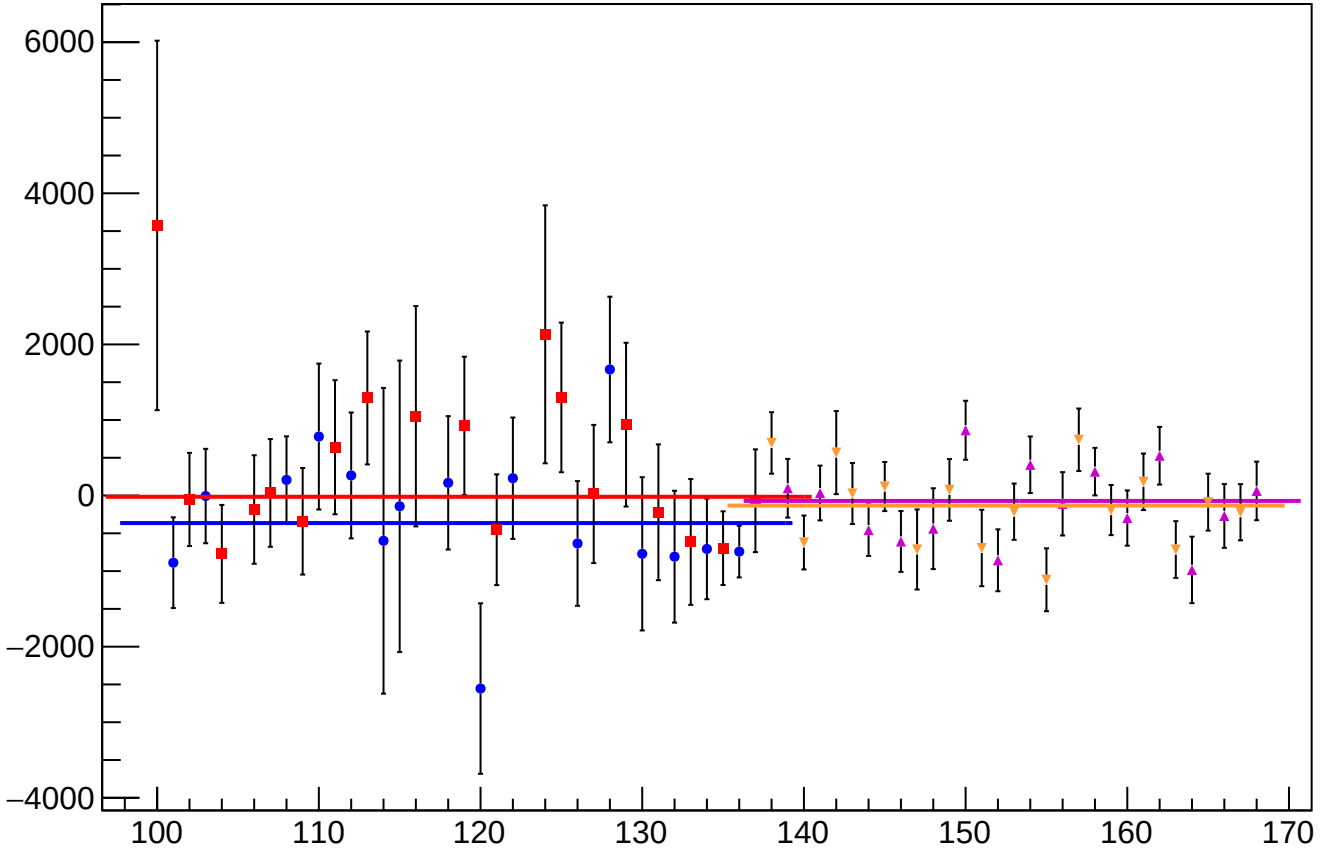
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.146+/-0.009 χ^2/NDF:506922.6/30

Out: 57.703+/-0.009 χ^2/NDF:535317.4/34

All: 57.921+/-0.007 χ^2/NDF: 1043381.4/65

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: -133.211+/-98.644 χ^2/NDF:24.4/15

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -70.909+/-100.151 χ^2/NDF:23.9/14

Left: -102.533+/-70.278 χ^2/NDF: 48.4/30

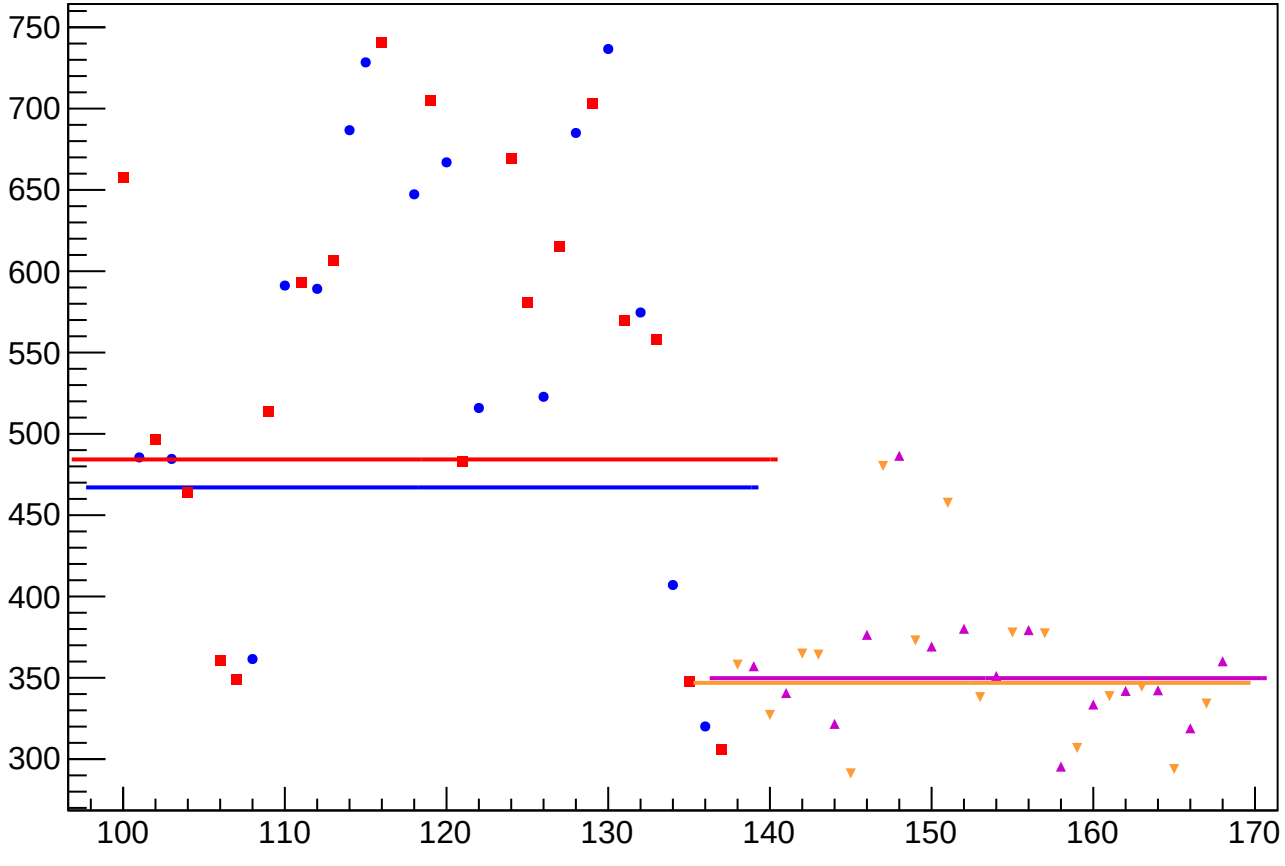
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -139.851+/-87.586 χ^2/NDF:41.1/30

Out: -106.986+/-86.901 χ^2/NDF:39.8/34

All: -123.290+/-61.689 χ^2/NDF: 81.0/65

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: 346.907+/-0.070 χ^2/NDF:398307.9/15

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 349.792+/-0.071 χ^2/NDF:258019.1/14

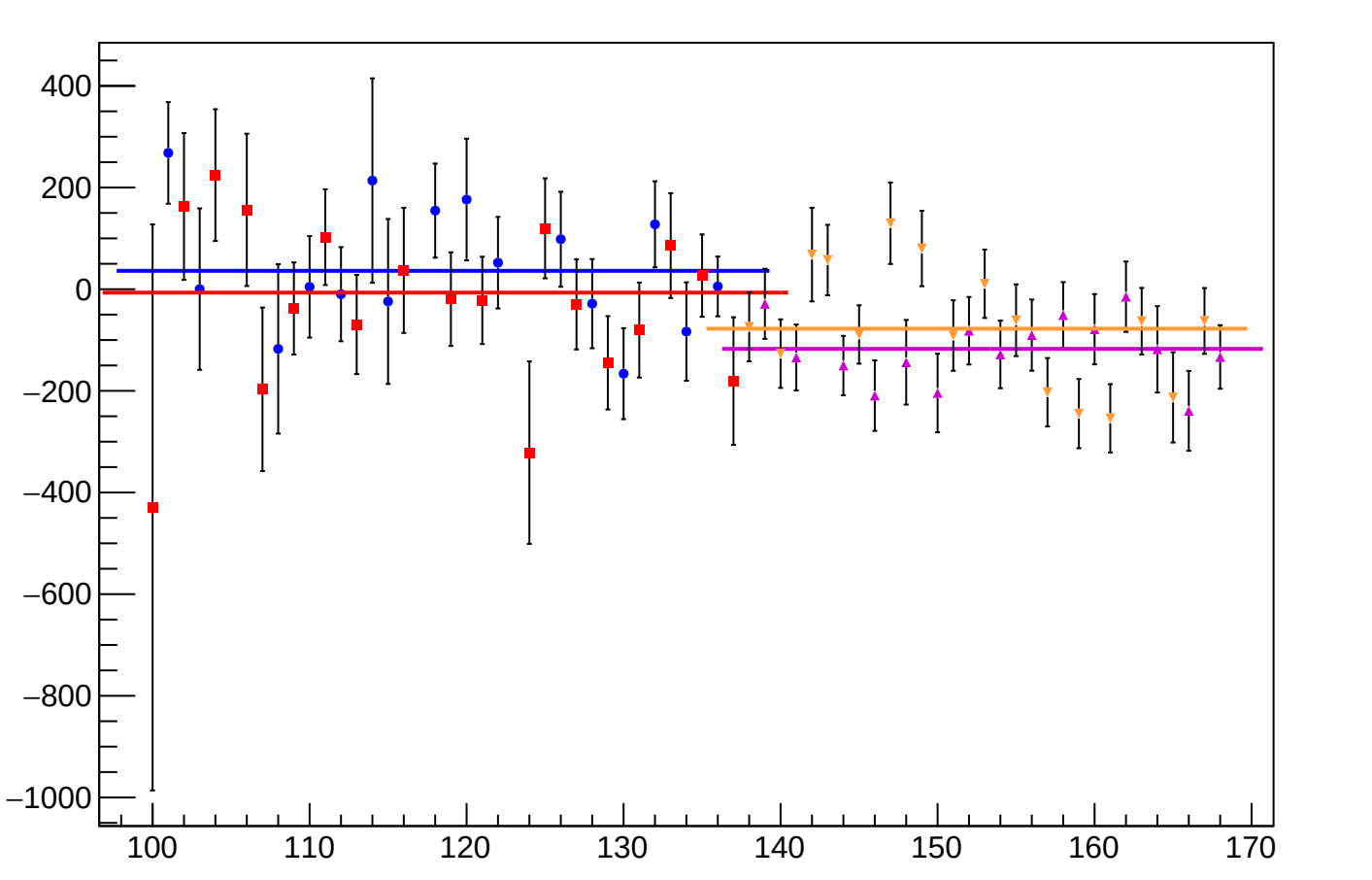
Left: 348.327+/-0.050 χ^2/NDF: 657169.6/30

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 377.375+/-0.062 χ^2/NDF:1933328.4/30

Out: 377.664+/-0.061 χ^2/NDF:2155517.0/34

All: 377.520+/-0.044 χ^2/NDF: 4088856.4/65



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.666+/-17.435 χ^2/NDF:38.7/15

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -117.378+/-17.880 χ^2/NDF:11.7/14

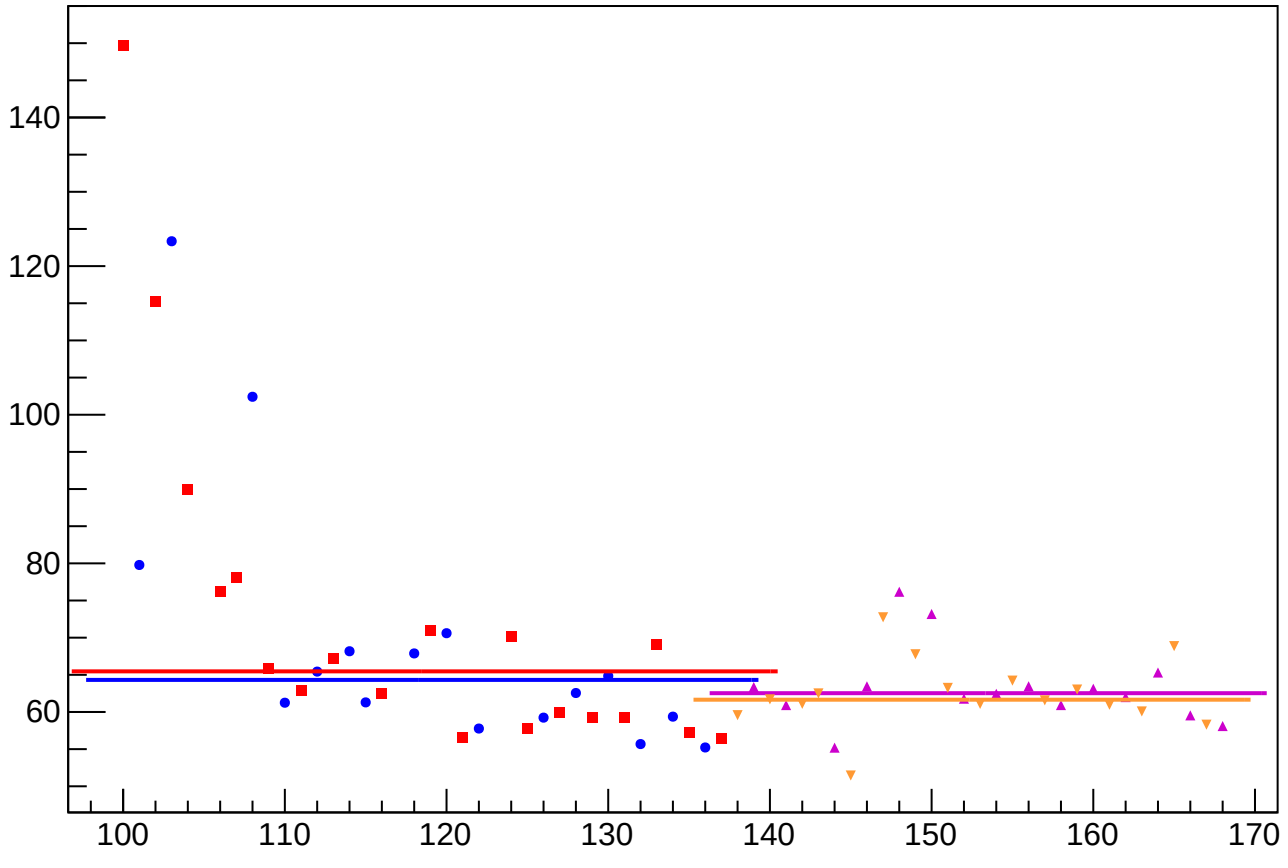
Left: -97.021+/-12.483 χ^2/NDF: 52.9/30

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -63.940+/-14.437 χ^2/NDF:57.0/30

Out: -53.905+/-14.218 χ^2/NDF:64.6/34

All: -58.846+/-10.130 χ^2/NDF: 121.8/65



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.652+/-0.012 χ^2/NDF:141754.7/15

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.530+/-0.013 χ^2/NDF:142098.3/14

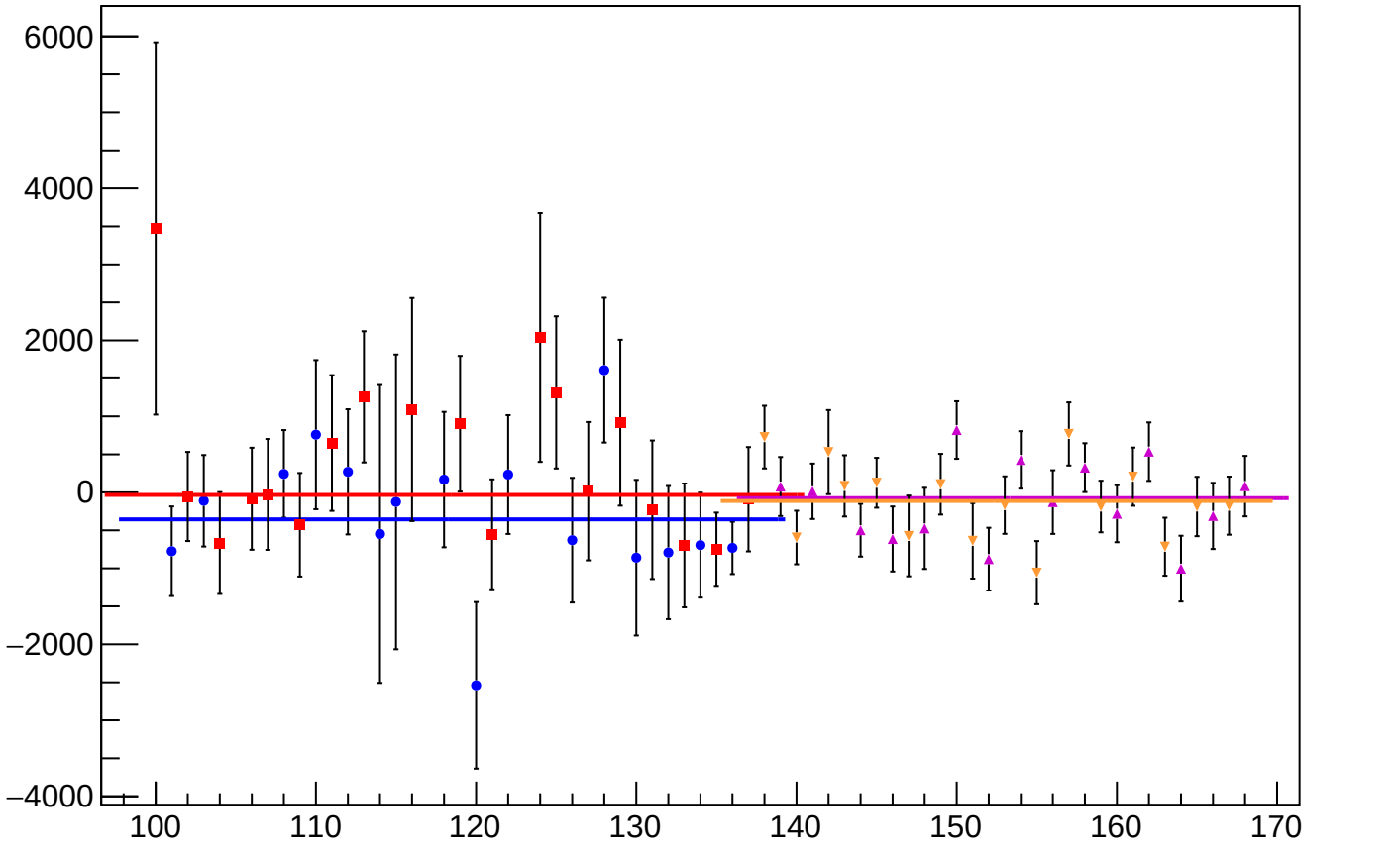
Left: 62.080+/-0.009 χ^2/NDF: 286322.3/30

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.152+/-0.010 χ^2/NDF:681112.0/30

Out: 62.930+/-0.010 χ^2/NDF:656173.0/34

All: 63.039+/-0.007 χ^2/NDF: 1337524.6/65



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -113.149+/-99.597 χ^2/NDF:23.3/15

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -76.032+/-101.326 χ^2/NDF:24.4/14

Left: -94.910+/-71.029 χ^2/NDF: 47.8/30

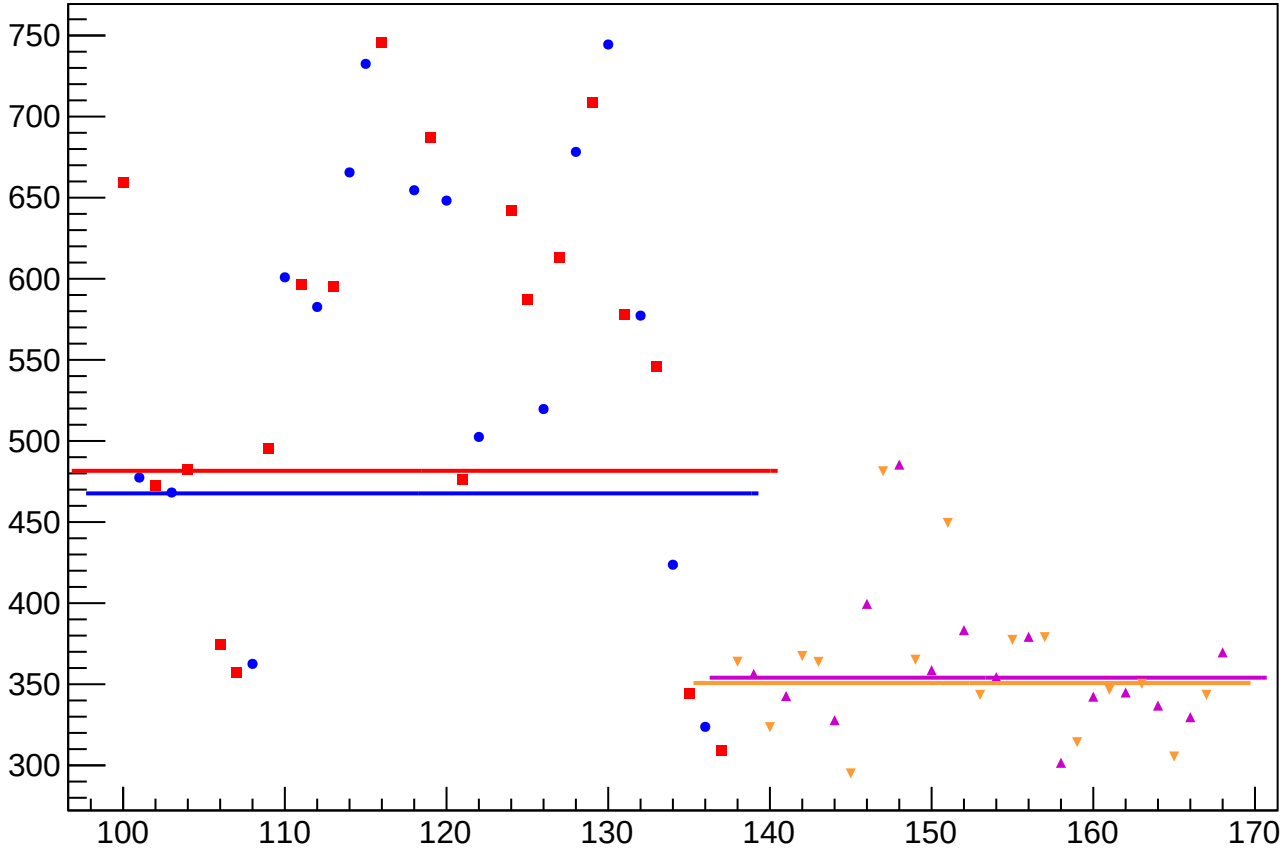
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -143.097+/-88.336 χ^2/NDF:41.0/30

Out: -94.792+/-87.321 χ^2/NDF:38.8/34

All: -118.665+/-62.101 χ^2/NDF: 80.0/65

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.737+/-0.070 χ^2/NDF:346855.0/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 354.043+/-0.072 χ^2/NDF:243519.3/14

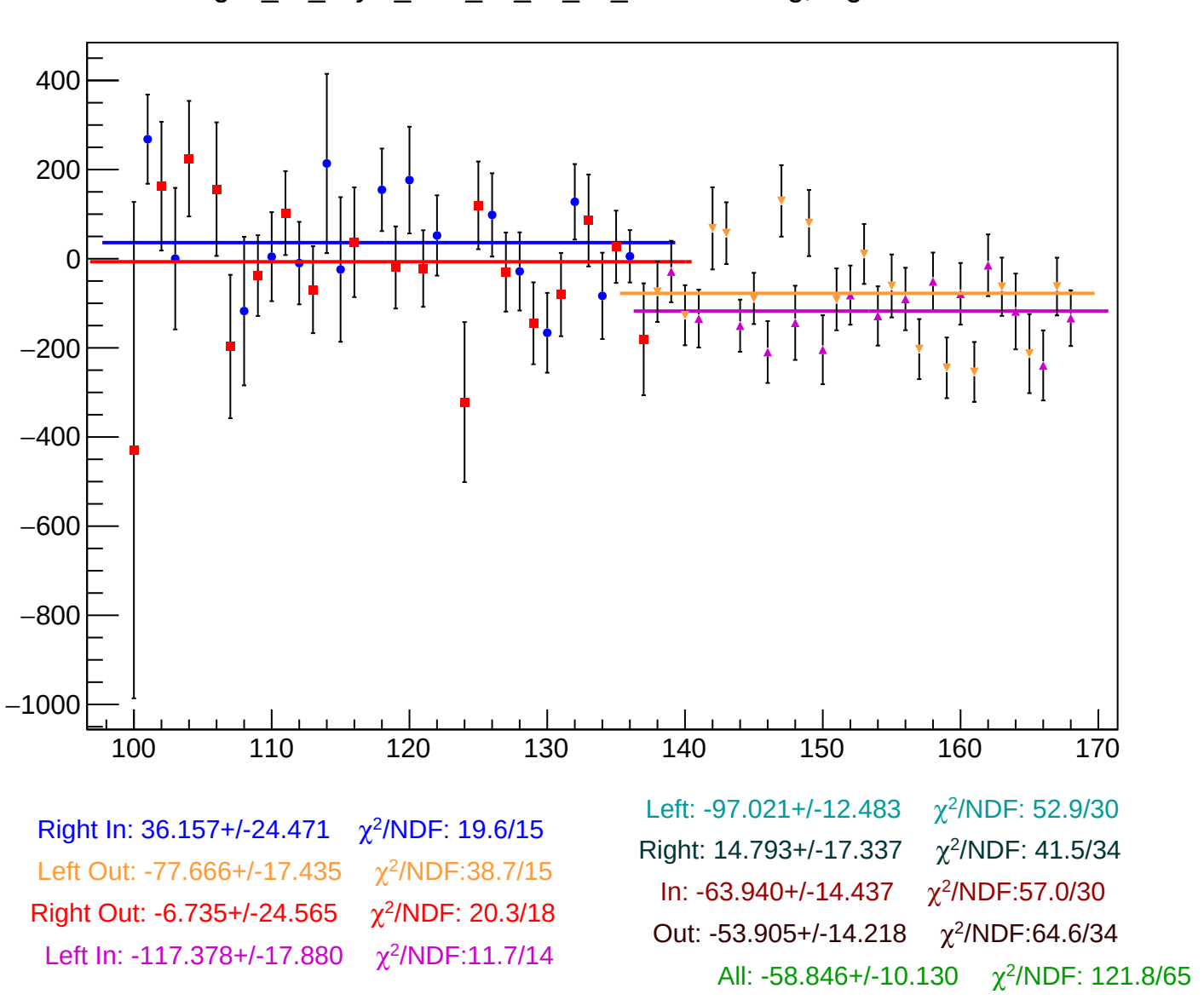
Left: 352.361+/-0.050 χ^2/NDF: 591457.2/30

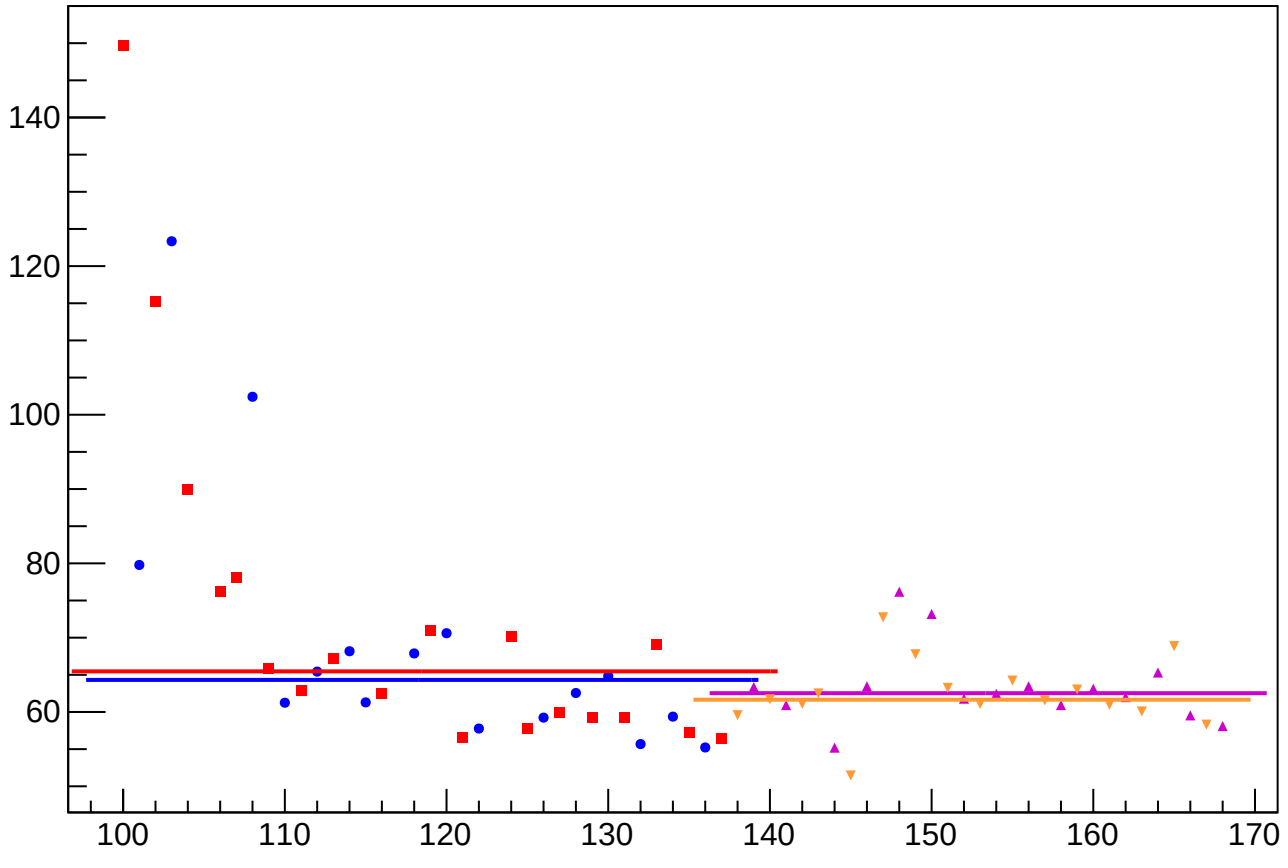
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 381.309+/-0.062 χ^2/NDF:1833013.4/30

Out: 381.007+/-0.062 χ^2/NDF:1999808.6/34

All: 381.156+/-0.044 χ^2/NDF: 3832833.8/65


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -77.666+/-17.435 χ²/NDF:38.7/15
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -117.378+/-17.880 χ²/NDF:11.7/14
Left: -97.021+/-12.483 χ²/NDF: 52.9/30
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -63.940+/-14.437 χ²/NDF:57.0/30
Out: -53.905+/-14.218 χ²/NDF:64.6/34
All: -58.846+/-10.130 χ²/NDF: 121.8/65



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.652+/-0.012 χ^2/NDF:141759.1/15

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.530+/-0.013 χ^2/NDF:142102.2/14

Left: 62.080+/-0.009 χ^2/NDF: 286330.5/30

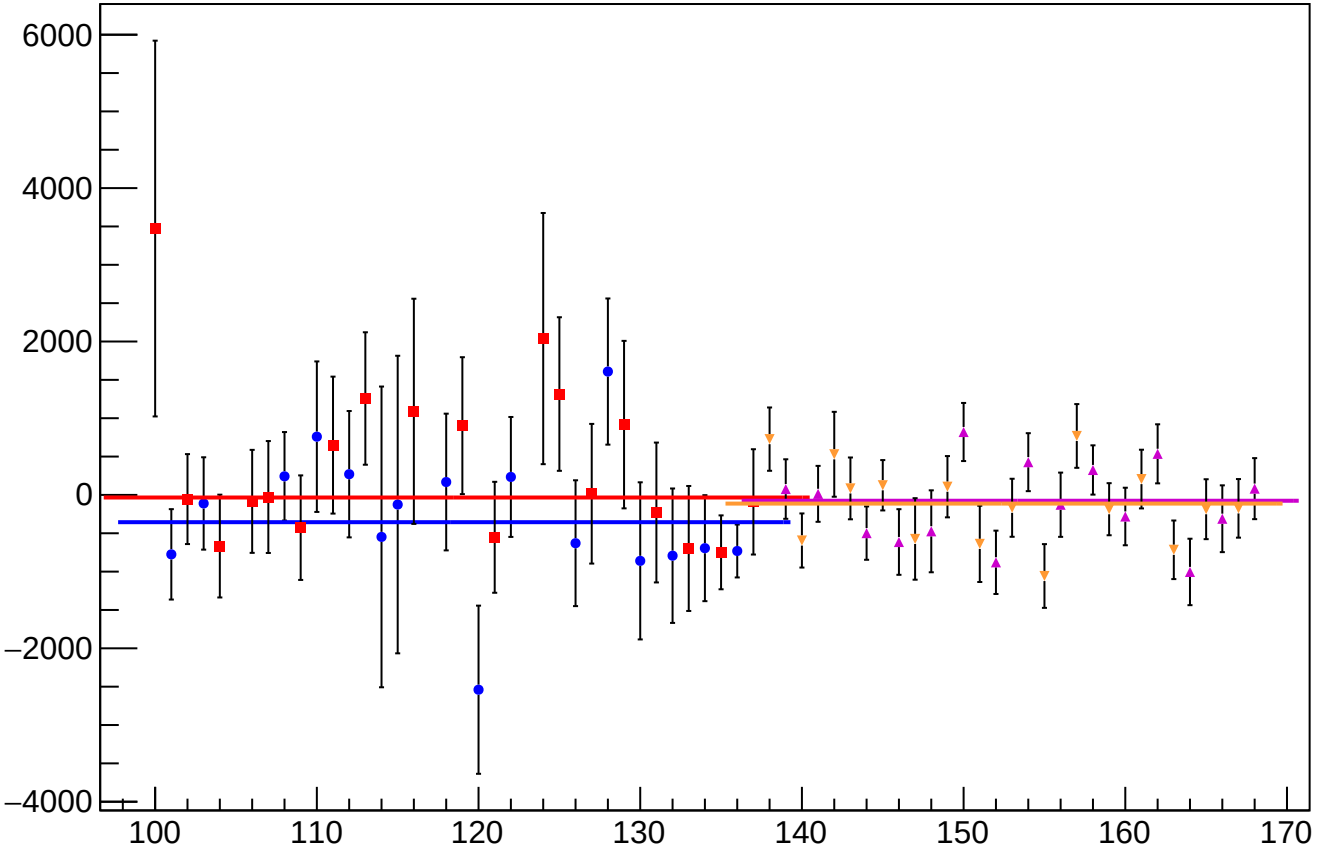
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.152+/-0.010 χ^2/NDF:681123.4/30

Out: 62.930+/-0.010 χ^2/NDF:656181.1/34

All: 63.039+/-0.007 χ^2/NDF: 1337543.9/65

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: -113.149+/-99.597 χ^2/NDF:23.3/15

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -76.032+/-101.326 χ^2/NDF:24.4/14

Left: -94.910+/-71.029 χ^2/NDF: 47.8/30

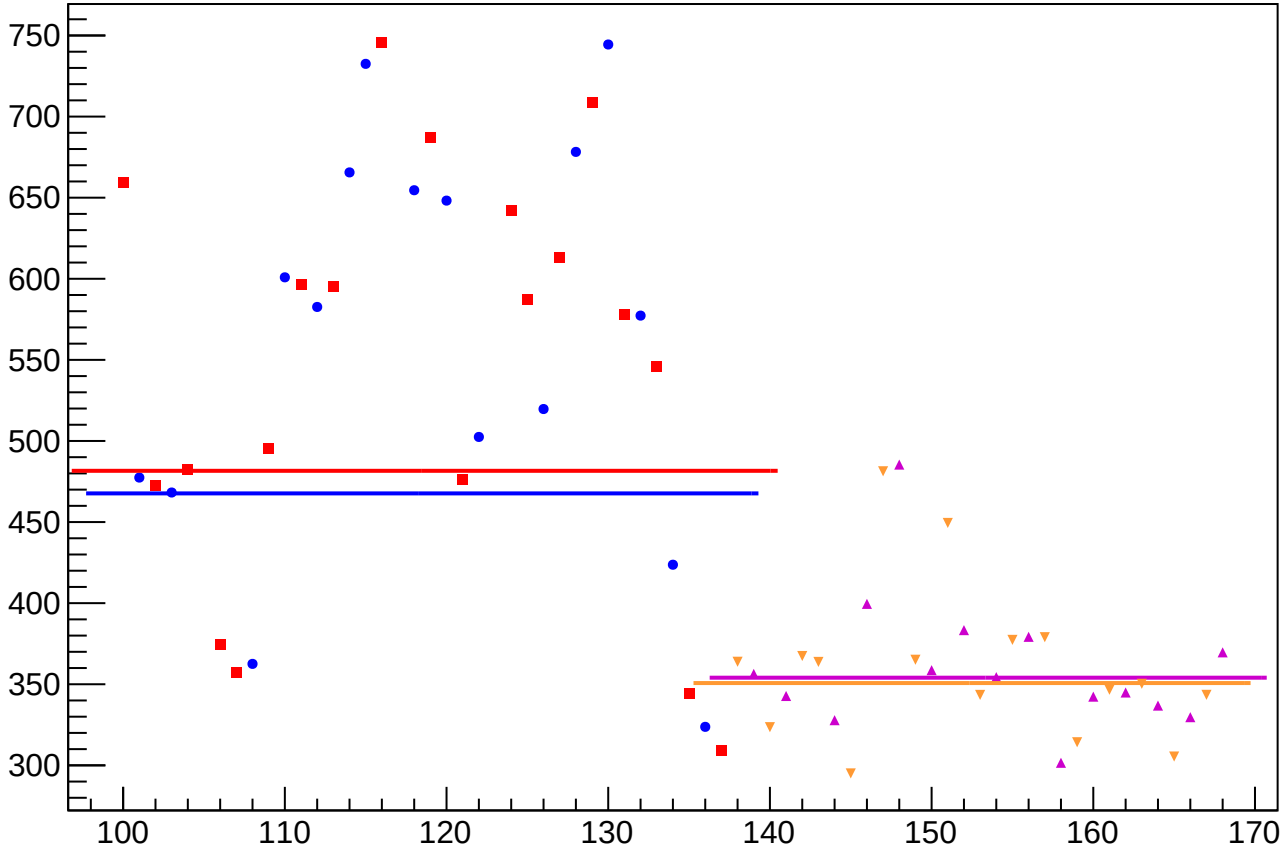
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -143.097+/-88.336 χ^2/NDF:41.0/30

Out: -94.792+/-87.321 χ^2/NDF:38.8/34

All: -118.665+/-62.101 χ^2/NDF: 80.0/65

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: 350.737+/-0.070 χ^2/NDF:346854.7/15

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 354.043+/-0.072 χ^2/NDF:243520.8/14

Left: 352.361+/-0.050 χ^2/NDF: 591458.3/30

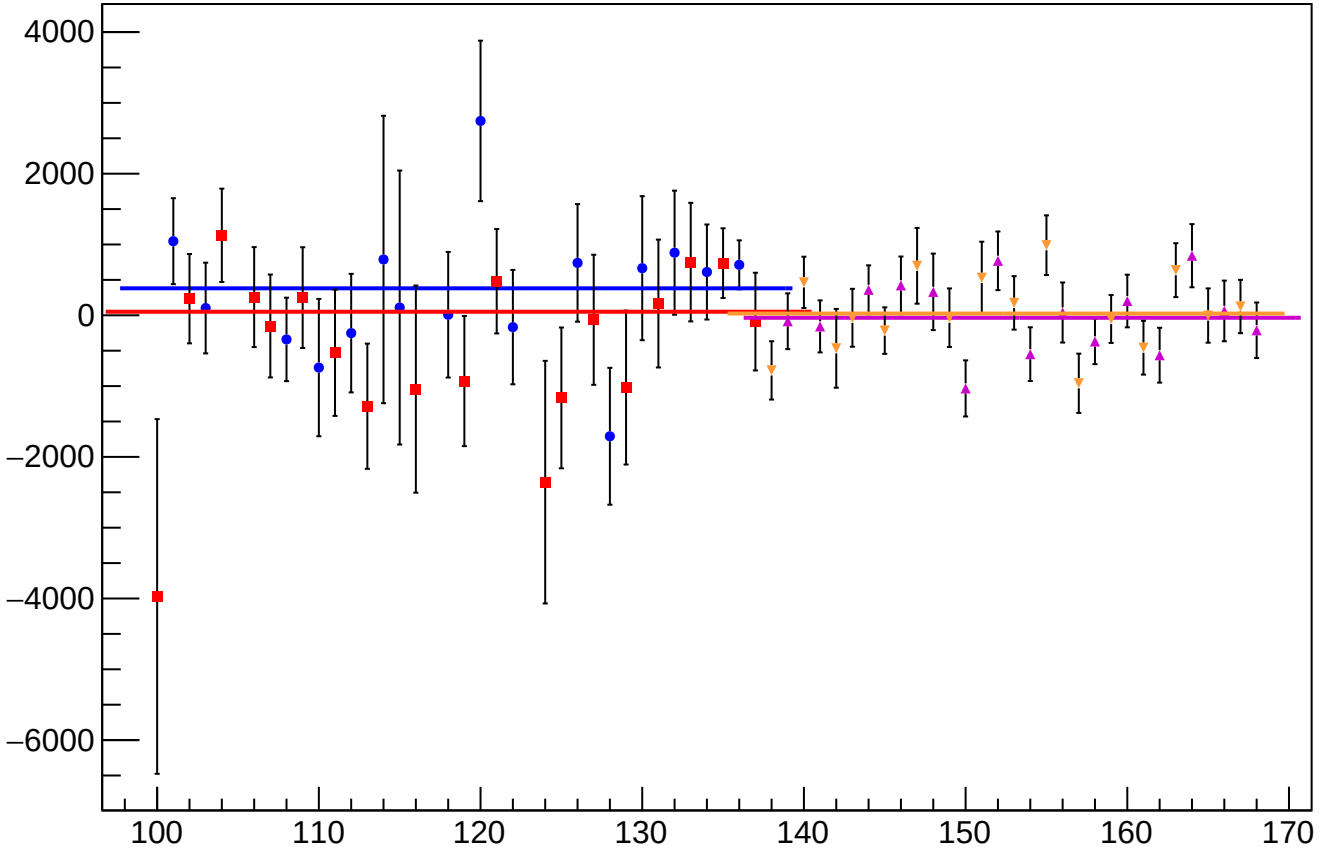
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 381.309+/-0.062 χ^2/NDF:1833011.0/30

Out: 381.007+/-0.062 χ^2/NDF:1999799.6/34

All: 381.156+/-0.044 χ^2/NDF: 3832822.4/65

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 24.607+/-100.022 χ^2/NDF:24.5/15

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -34.983+/-101.566 χ^2/NDF:22.6/14

Left: -4.732+/-71.266 χ^2/NDF: 47.3/30

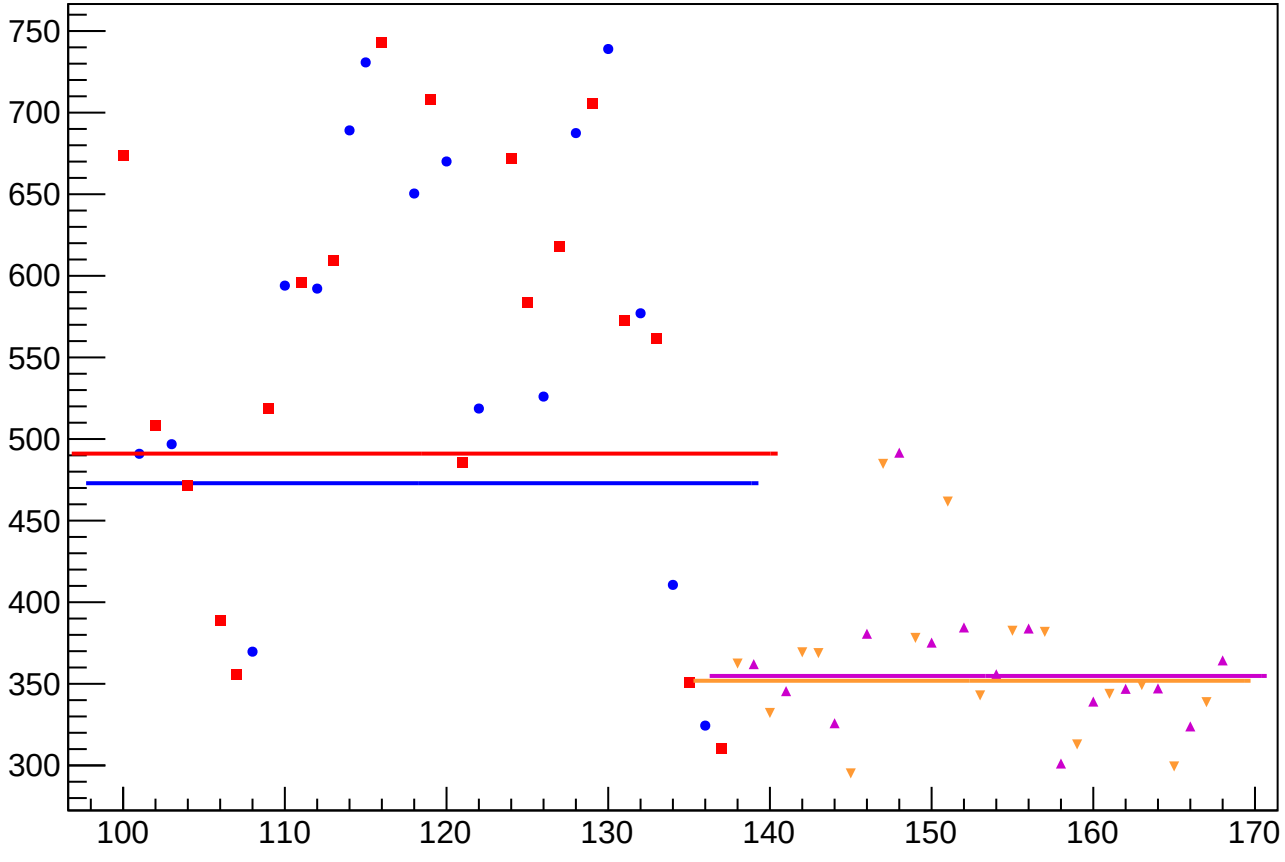
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 63.281+/-88.766 χ^2/NDF:42.7/30

Out: 30.426+/-88.014 χ^2/NDF:42.0/34

All: 46.714+/-62.499 χ^2/NDF: 84.7/65

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 351.877+/-0.071 χ^2/NDF:386044.2/15

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 354.831+/-0.072 χ^2/NDF:249722.9/14

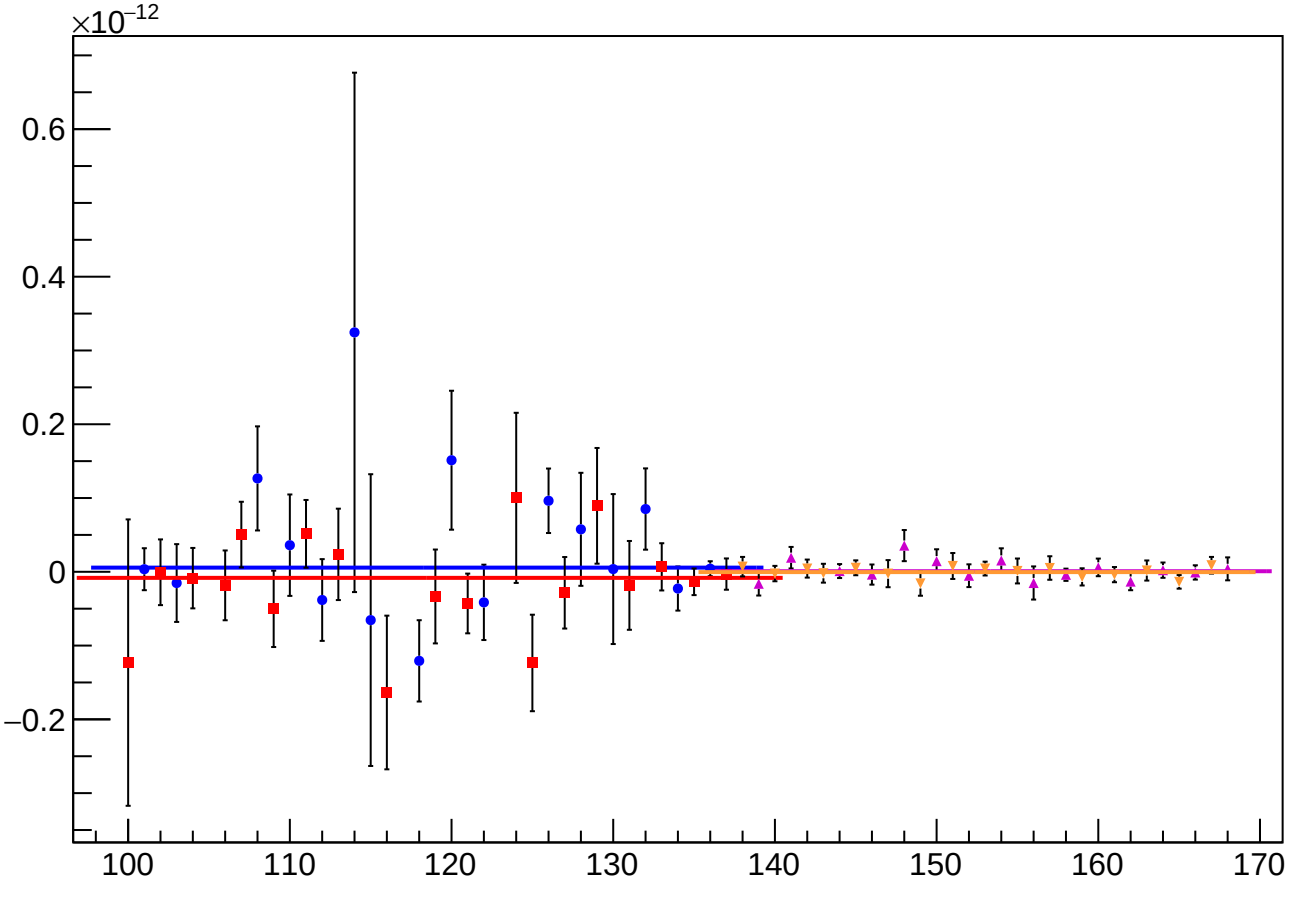
Left: 353.331+/-0.050 χ^2/NDF: 636626.0/30

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 382.721+/-0.063 χ^2/NDF:1888575.1/30

Out: 383.291+/-0.062 χ^2/NDF:2107635.8/34

All: 383.008+/-0.044 χ^2/NDF: 3996252.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/14

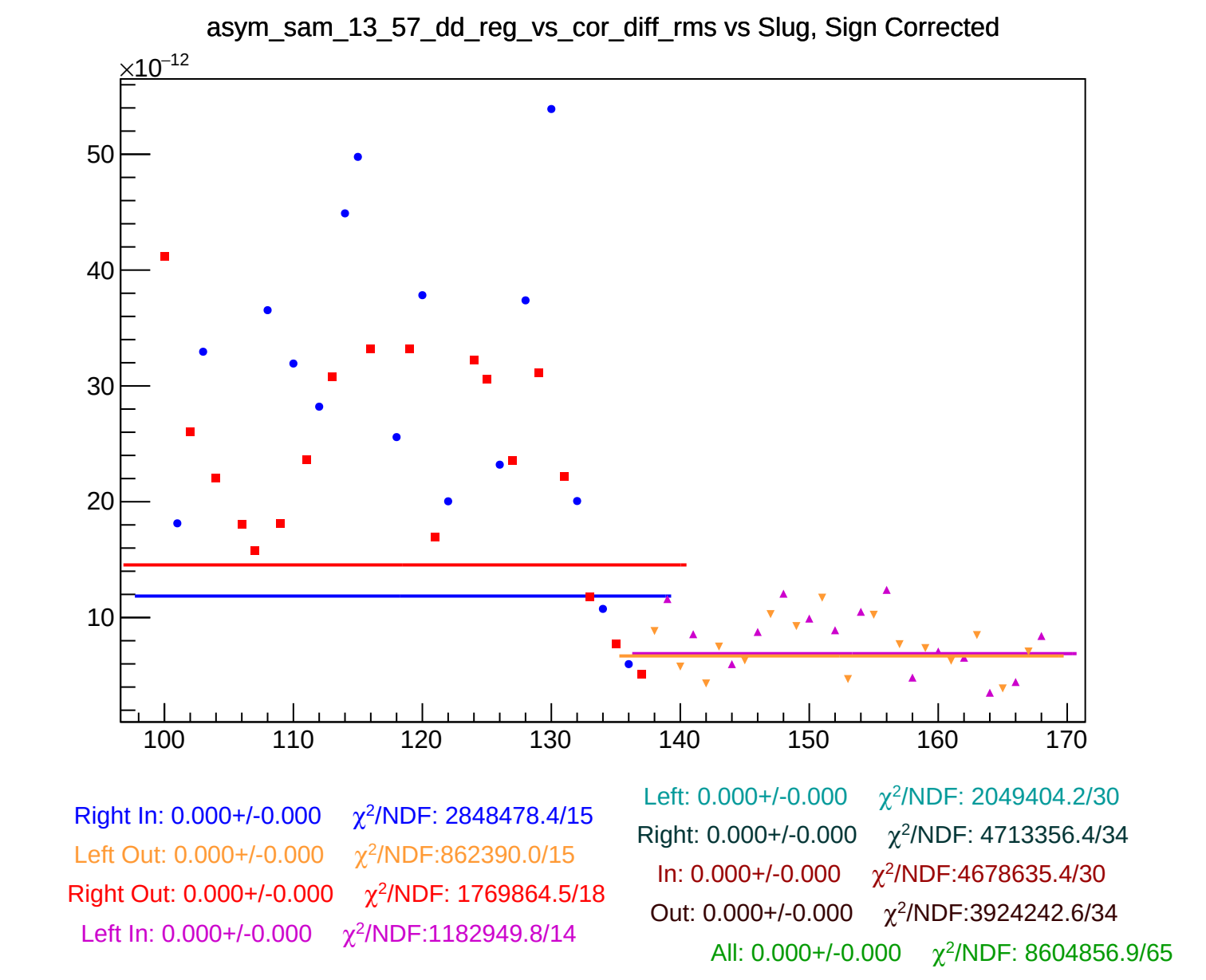
Left: 0.000+/-0.000 χ^2/NDF: 15.3/30

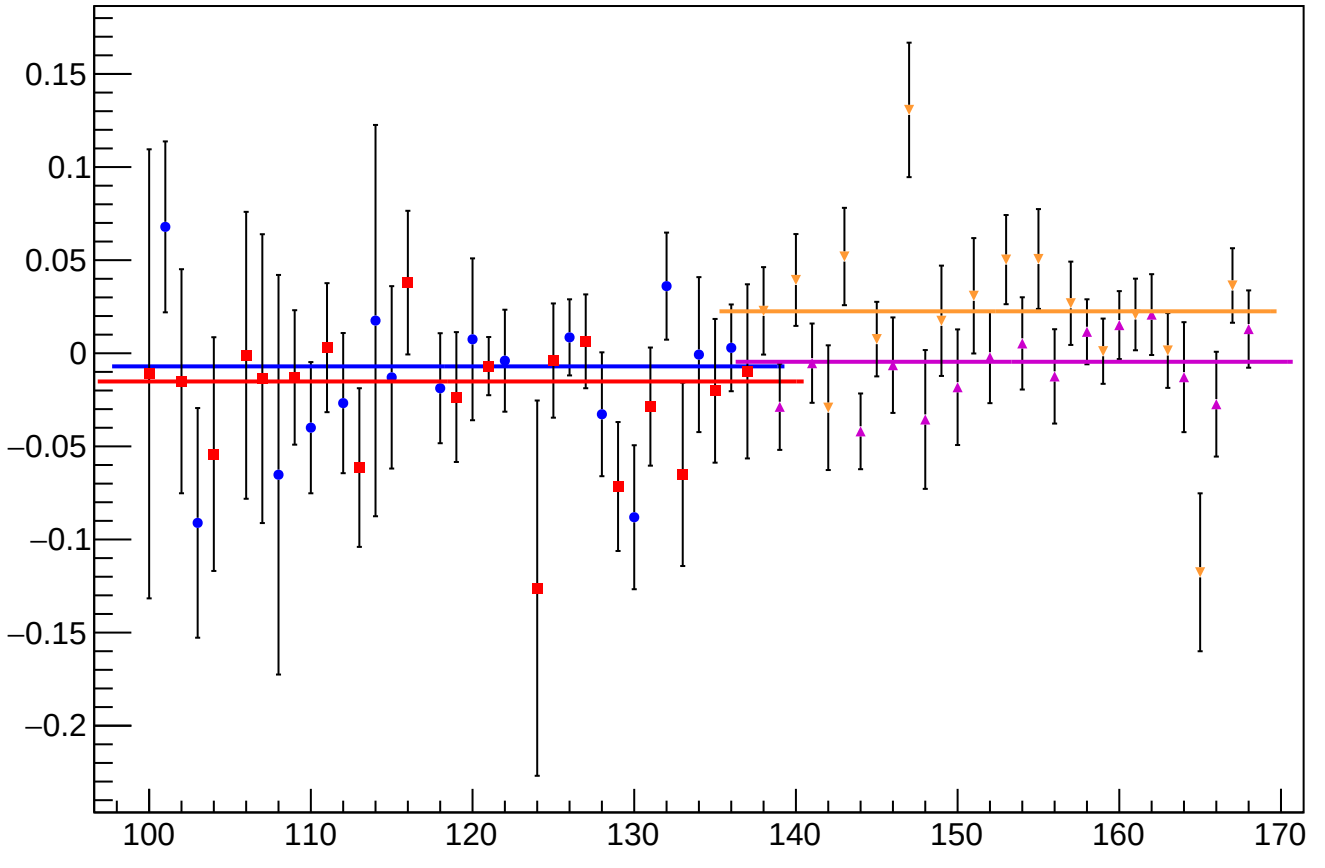
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.2/30

Out: -0.000+/-0.000 χ^2/NDF:20.1/34

All: 0.000+/-0.000 χ^2/NDF: 51.7/65


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:862390.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1182949.8/14
Left: 0.000+/-0.000 χ²/NDF: 2049404.2/30
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:4678635.4/30
Out: 0.000+/-0.000 χ²/NDF:3924242.6/34
All: 0.000+/-0.000 χ²/NDF: 8604856.9/65



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:10.5/14

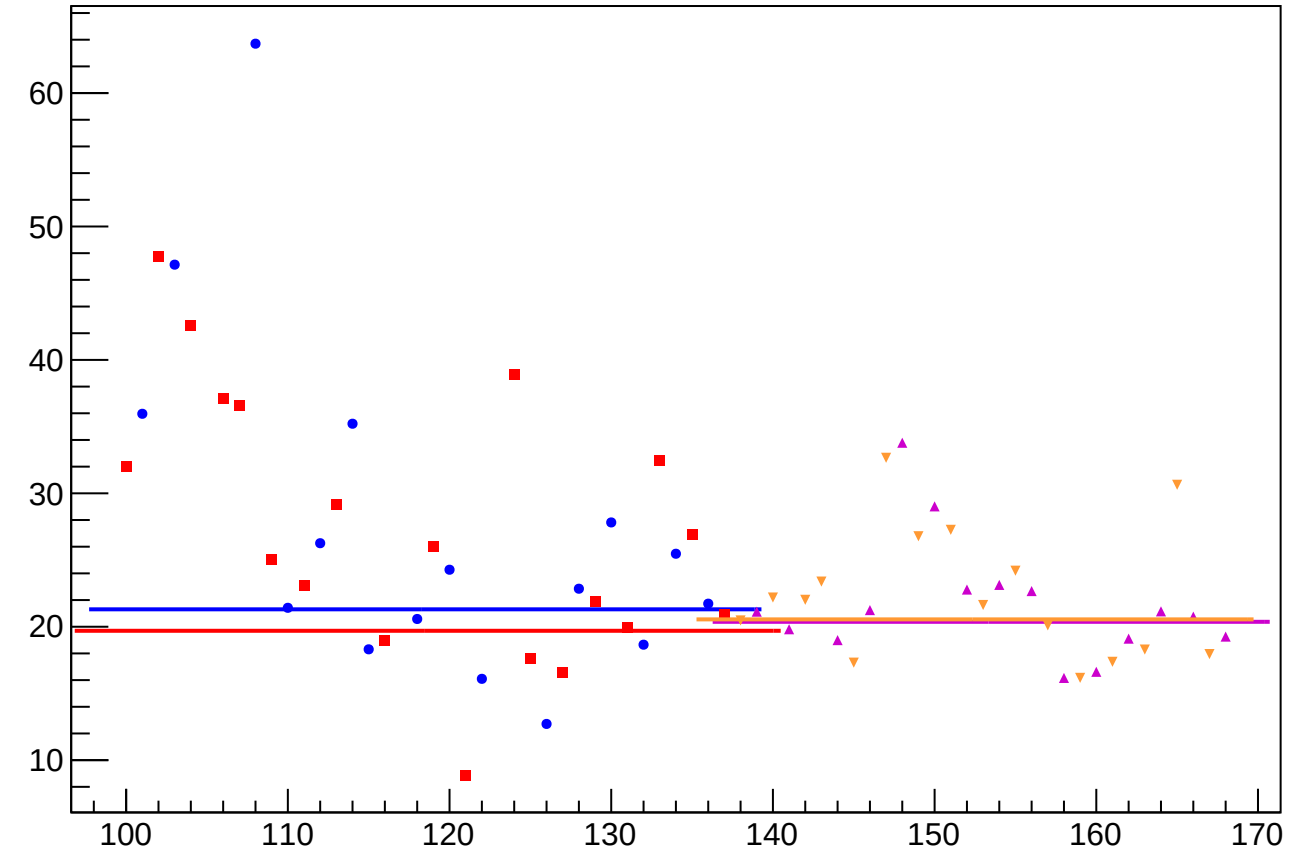
Left: 0.009+/-0.004 χ^2/NDF: 50.9/30

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.005+/-0.005 χ^2/NDF:24.8/30

Out: 0.009+/-0.005 χ^2/NDF:54.0/34

All: 0.002+/-0.003 χ^2/NDF: 83.5/65



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.551+/-0.004 χ^2/NDF:890225.3/15

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.370+/-0.004 χ^2/NDF:705206.0/14

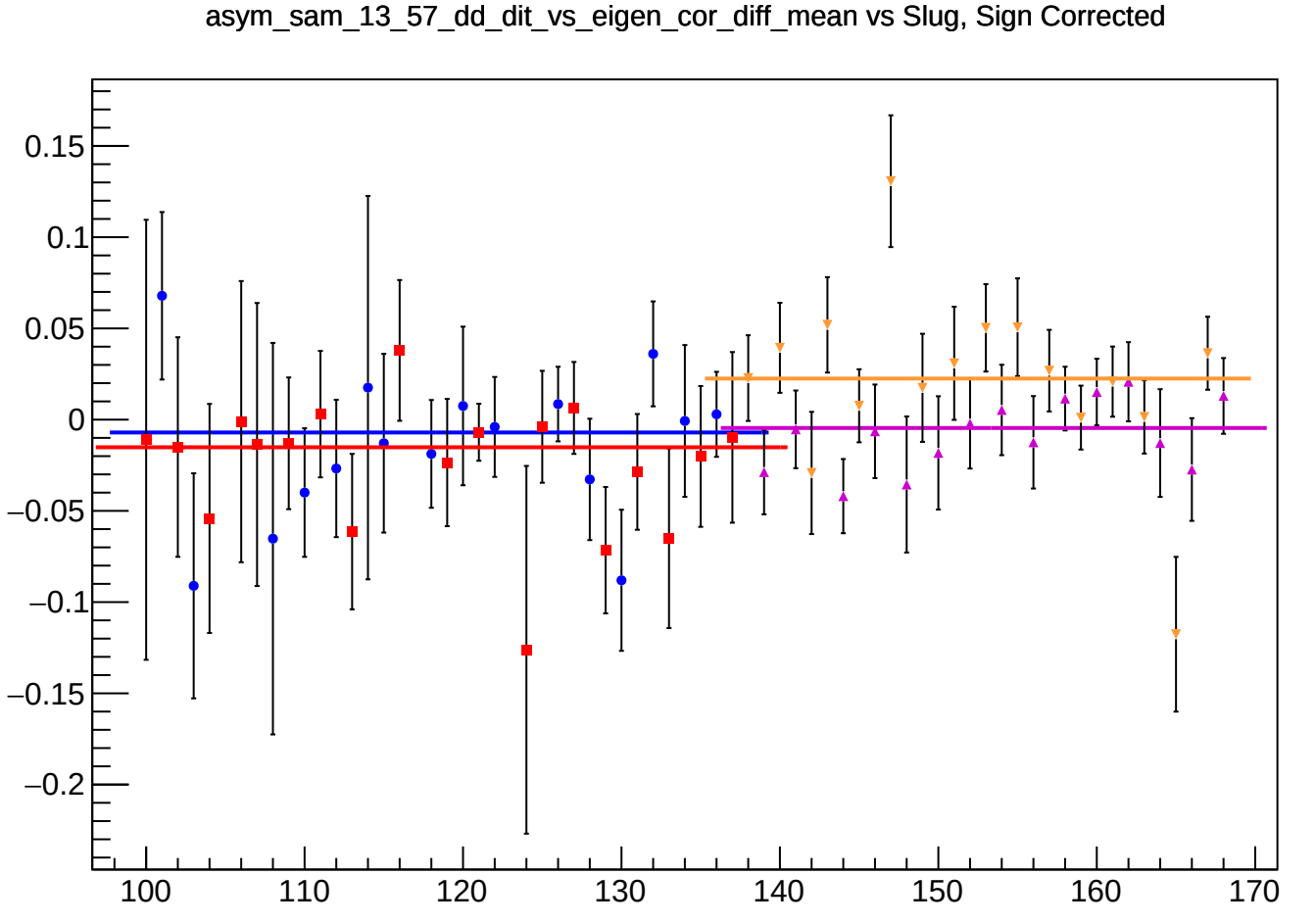
Left: 20.461+/-0.003 χ^2/NDF: 1596349.3/30

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

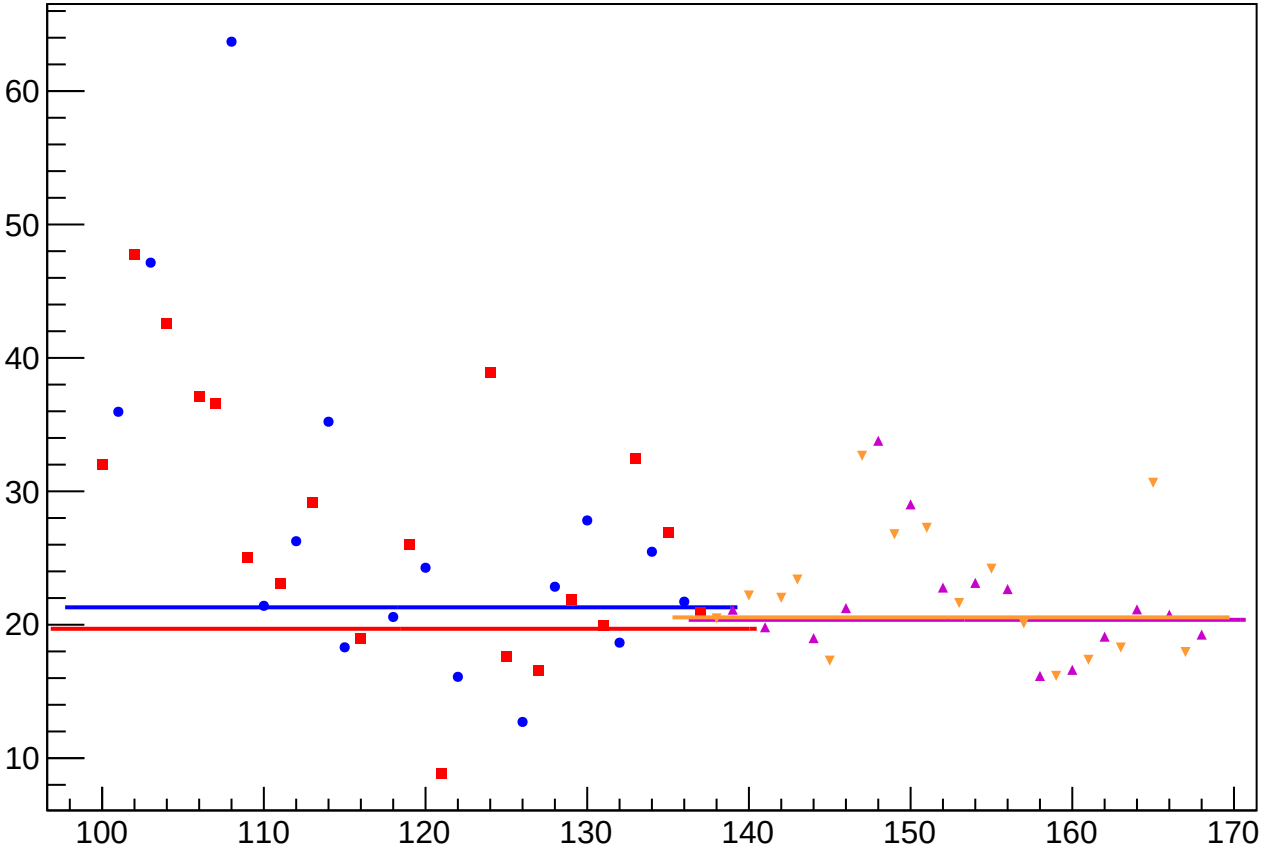
In: 20.675+/-0.003 χ^2/NDF:2200465.5/30

Out: 20.255+/-0.003 χ^2/NDF:3343308.4/34

All: 20.461+/-0.002 χ^2/NDF: 5551161.7/65


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
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.023+/-0.006 χ²/NDF:30.2/15
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.006 χ²/NDF:10.5/14
Left: 0.009+/-0.004 χ²/NDF: 50.9/30
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.005+/-0.005 χ²/NDF:24.8/30
Out: 0.009+/-0.005 χ²/NDF:54.0/34
All: 0.002+/-0.003 χ²/NDF: 83.5/65

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: 20.551+/-0.004 χ^2/NDF:890225.3/15

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.370+/-0.004 χ^2/NDF:705206.0/14

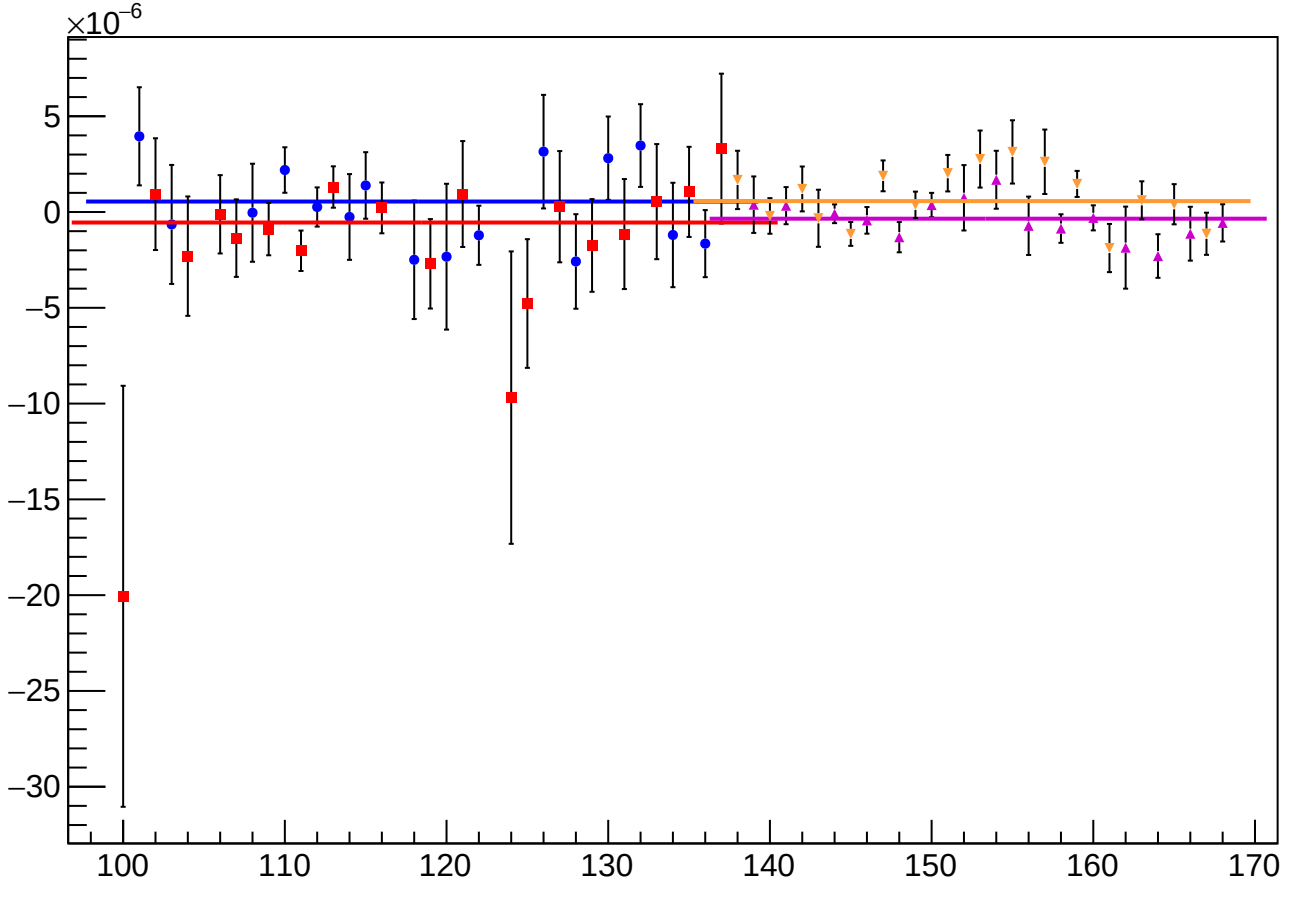
Left: 20.461+/-0.003 χ^2/NDF: 1596349.3/30

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.675+/-0.003 χ^2/NDF:2200465.5/30

Out: 20.255+/-0.003 χ^2/NDF:3343308.4/34

All: 20.461+/-0.002 χ^2/NDF: 5551161.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/14

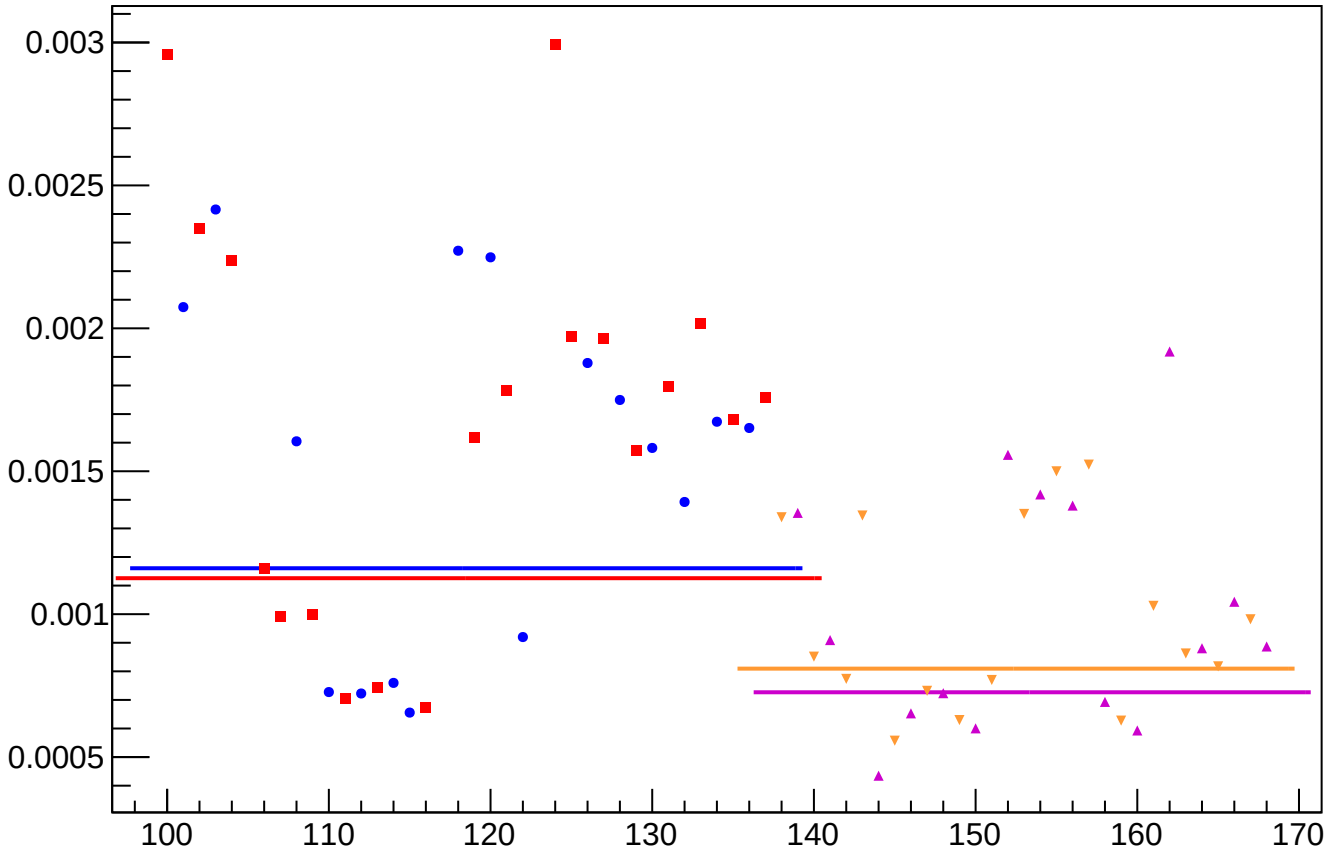
Left: 0.000+/-0.000 χ^2/NDF: 46.5/30

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:27.6/30

Out: 0.000+/-0.000 χ^2/NDF:48.5/34

All: 0.000+/-0.000 χ^2/NDF: 79.1/65



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2224387.5/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3405233.4/14

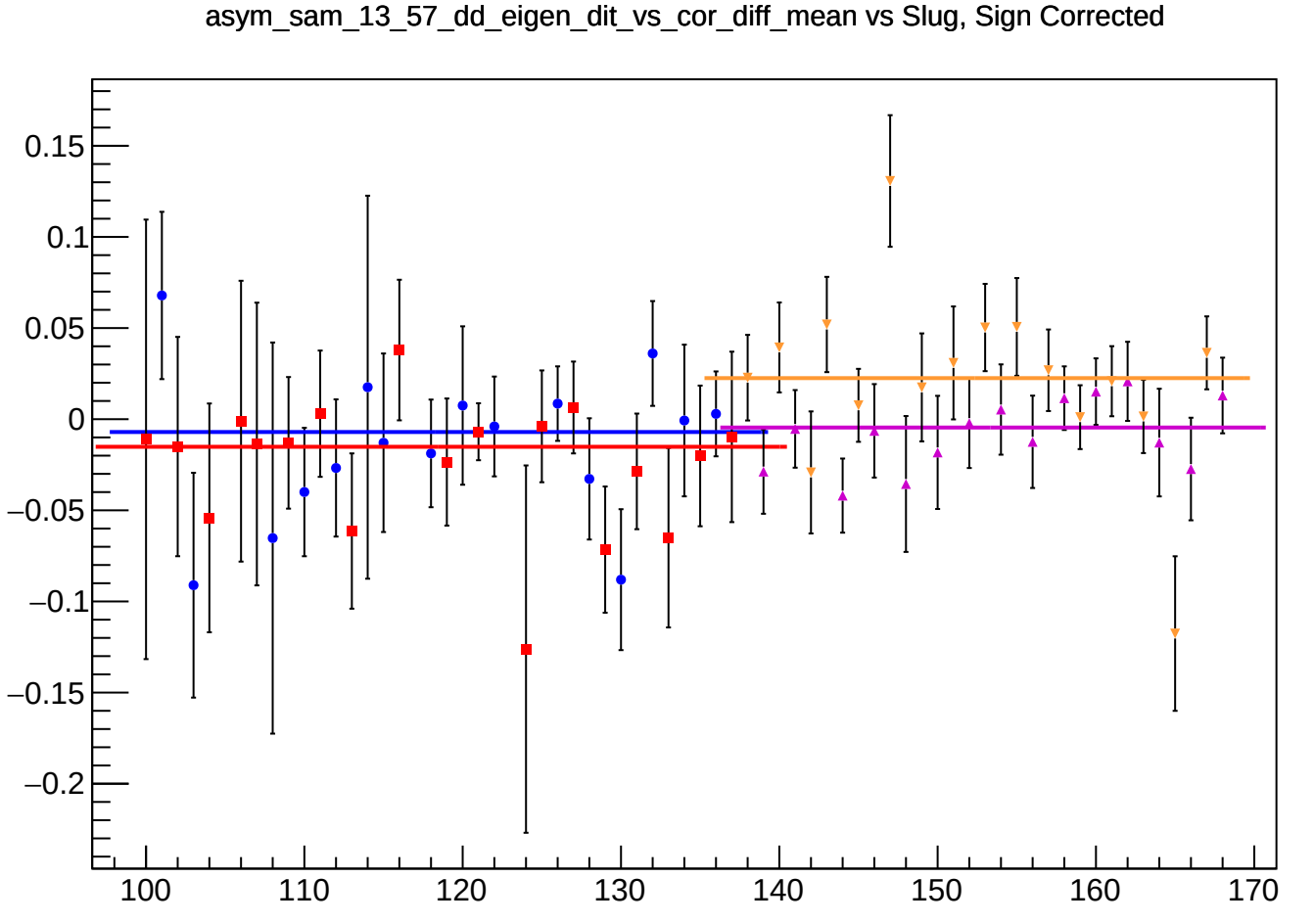
Left: 0.001+/-0.000 χ^2/NDF: 5753817.7/30

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7285507.9/30

Out: 0.001+/-0.000 χ^2/NDF:5590408.3/34

All: 0.001+/-0.000 χ^2/NDF: 13000495.2/65



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.023+/-0.006 χ^2/NDF:30.2/15

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:10.5/14

Left: 0.009+/-0.004 χ^2/NDF: 50.9/30

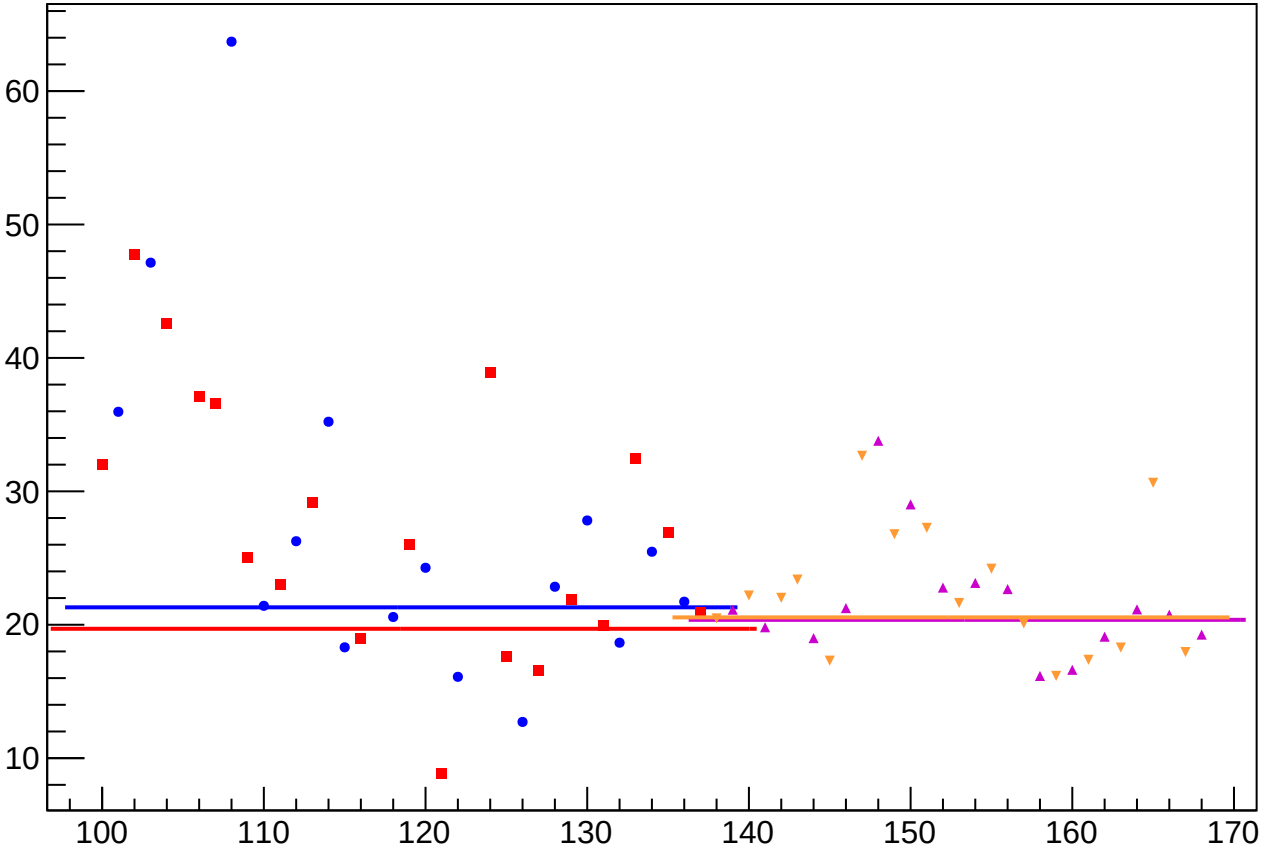
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.005+/-0.005 χ^2/NDF:24.8/30

Out: 0.009+/-0.005 χ^2/NDF:54.0/34

All: 0.002+/-0.003 χ^2/NDF: 83.5/65

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: 20.551+/-0.004 χ^2/NDF:890374.8/15

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.369+/-0.004 χ^2/NDF:705322.5/14

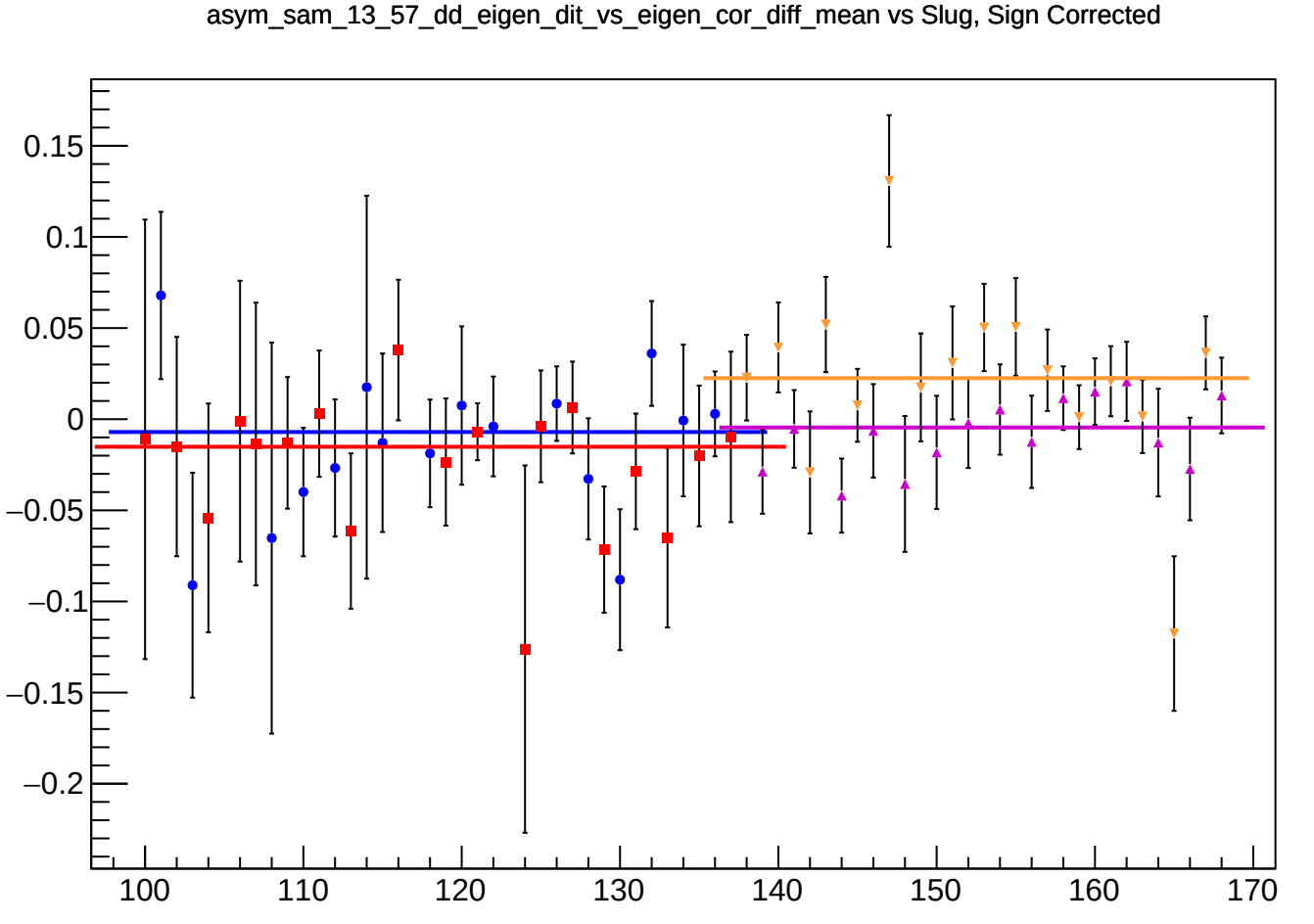
Left: 20.461+/-0.003 χ^2/NDF: 1596615.4/30

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

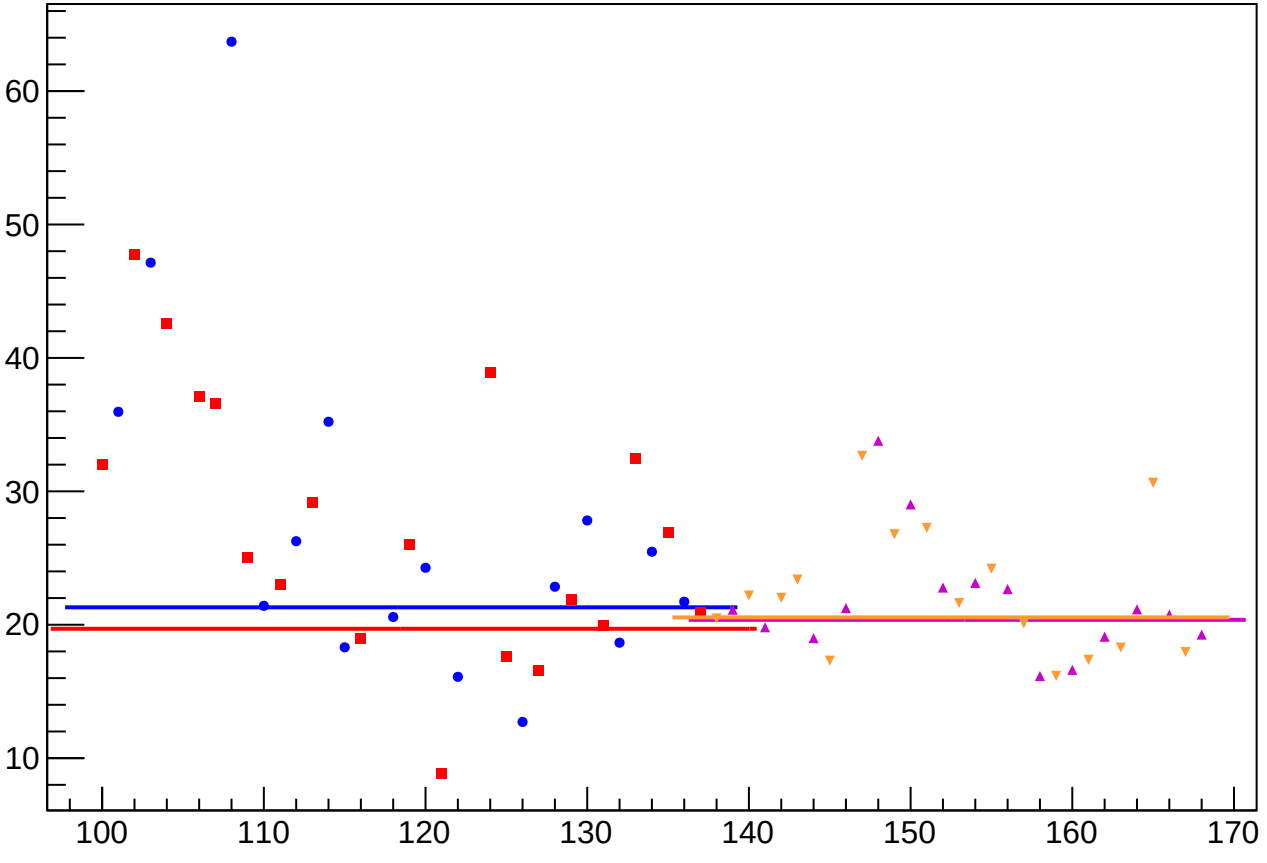
In: 20.675+/-0.003 χ^2/NDF:2200428.9/30

Out: 20.255+/-0.003 χ^2/NDF:3343065.4/34

All: 20.462+/-0.002 χ^2/NDF: 5550877.1/65


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.023+/-0.006 χ²/NDF:30.2/15
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.006 χ²/NDF:10.5/14
Left: 0.009+/-0.004 χ²/NDF: 50.9/30
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.005+/-0.005 χ²/NDF:24.8/30
Out: 0.009+/-0.005 χ²/NDF:54.0/34
All: 0.002+/-0.003 χ²/NDF: 83.5/65

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: 20.551+/-0.004 χ^2/NDF:890374.8/15

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.369+/-0.004 χ^2/NDF:705322.5/14

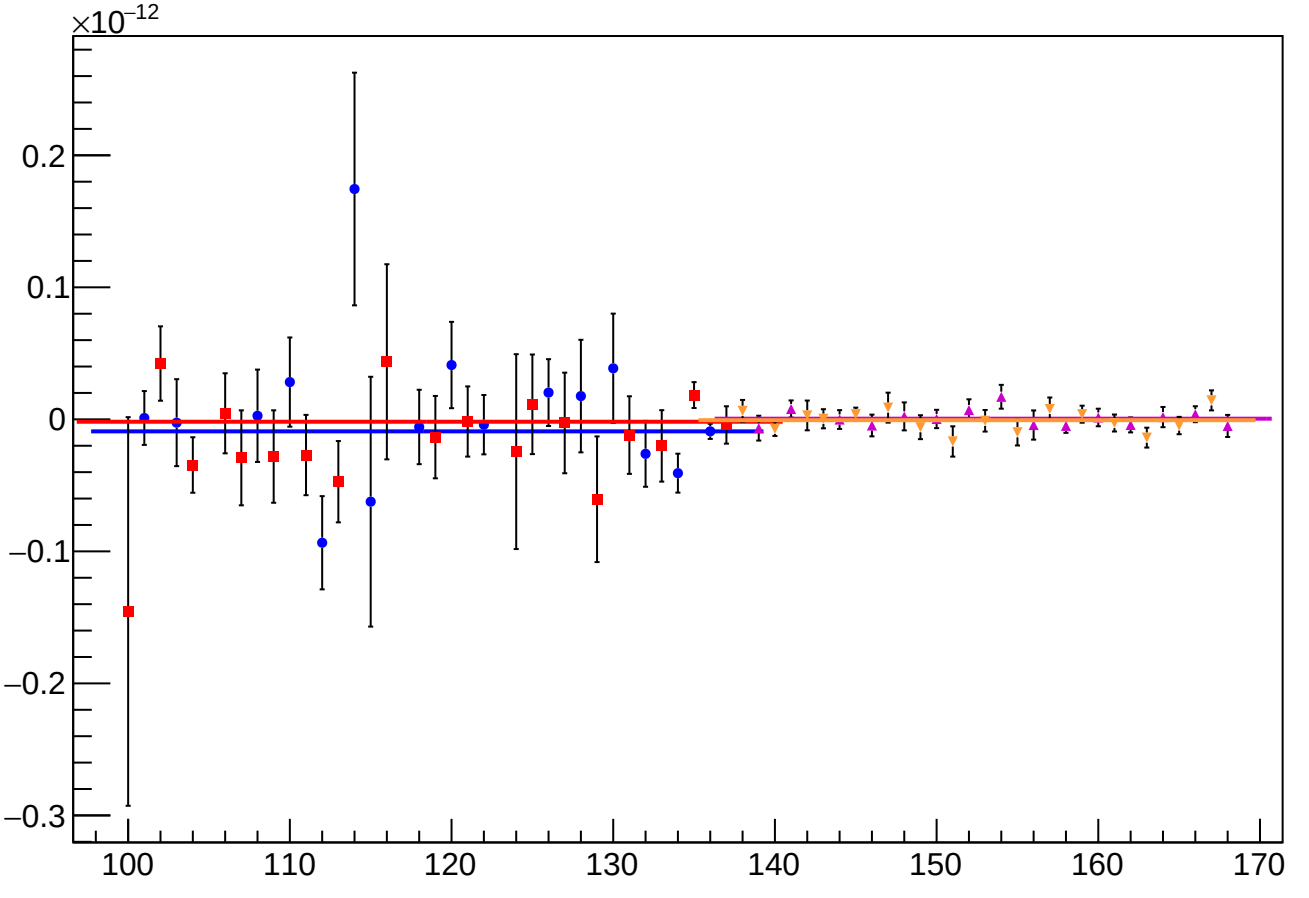
Left: 20.461+/-0.003 χ^2/NDF: 1596615.4/30

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.675+/-0.003 χ^2/NDF:2200428.9/30

Out: 20.255+/-0.003 χ^2/NDF:3343065.4/34

All: 20.462+/-0.002 χ^2/NDF: 5550877.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

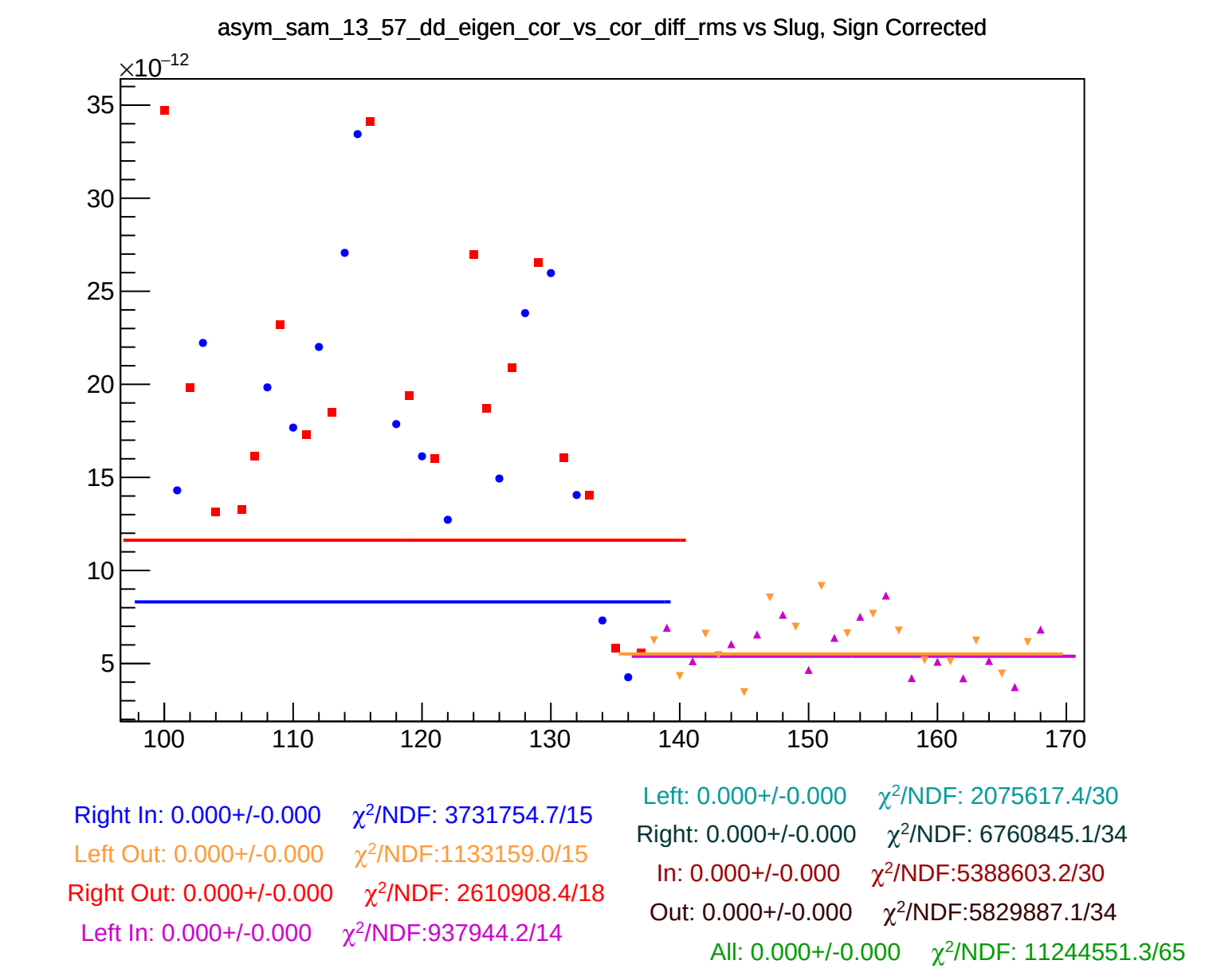
Left: -0.000+/-0.000 χ^2/NDF: 25.2/30

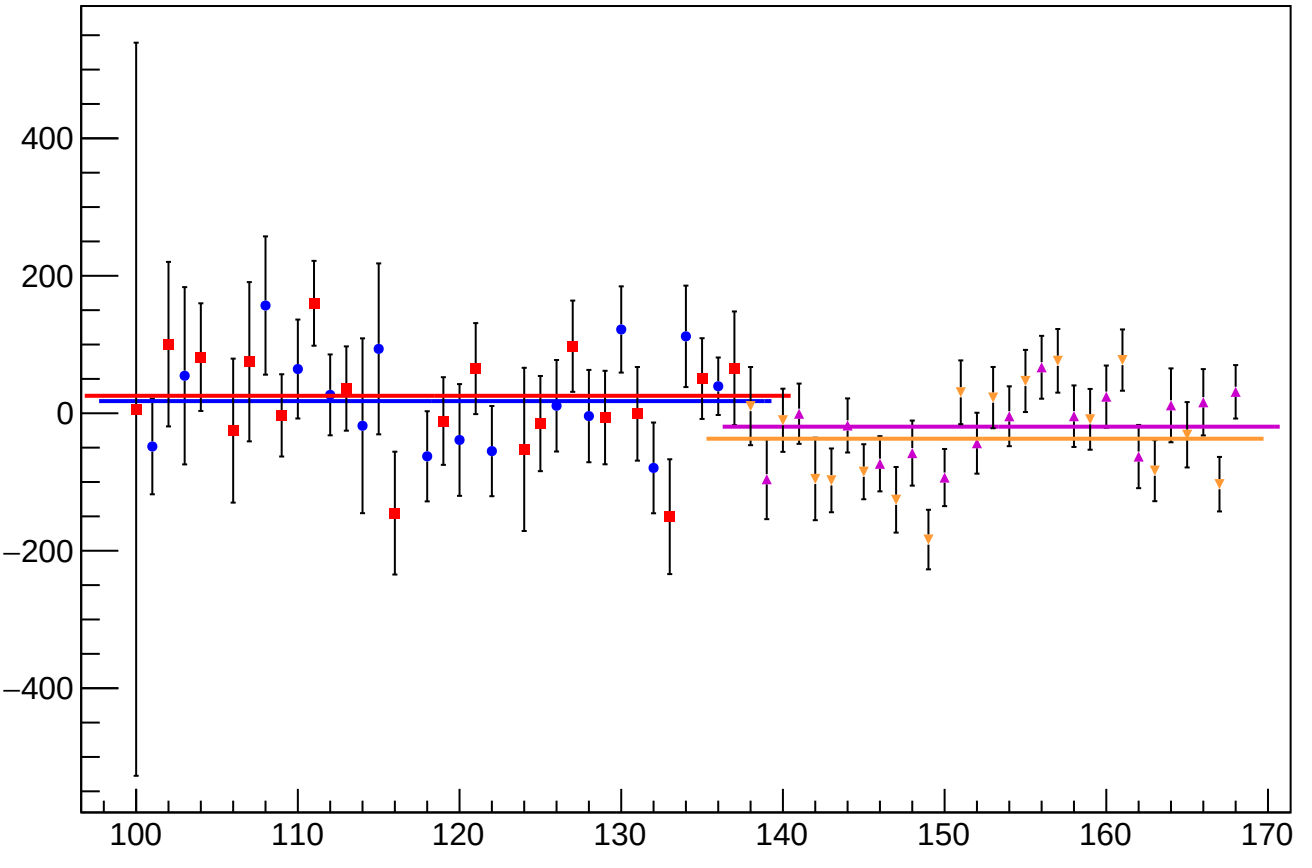
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:35.5/30

Out: -0.000+/-0.000 χ^2/NDF:33.0/34

All: -0.000+/-0.000 χ^2/NDF: 68.4/65


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1133159.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:937944.2/14
Left: 0.000+/-0.000 χ²/NDF: 2075617.4/30
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:5388603.2/30
Out: 0.000+/-0.000 χ²/NDF:5829887.1/34
All: 0.000+/-0.000 χ²/NDF: 11244551.3/65



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.993+/-11.437 χ^2/NDF:44.3/15

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -19.519+/-11.533 χ^2/NDF:16.0/14

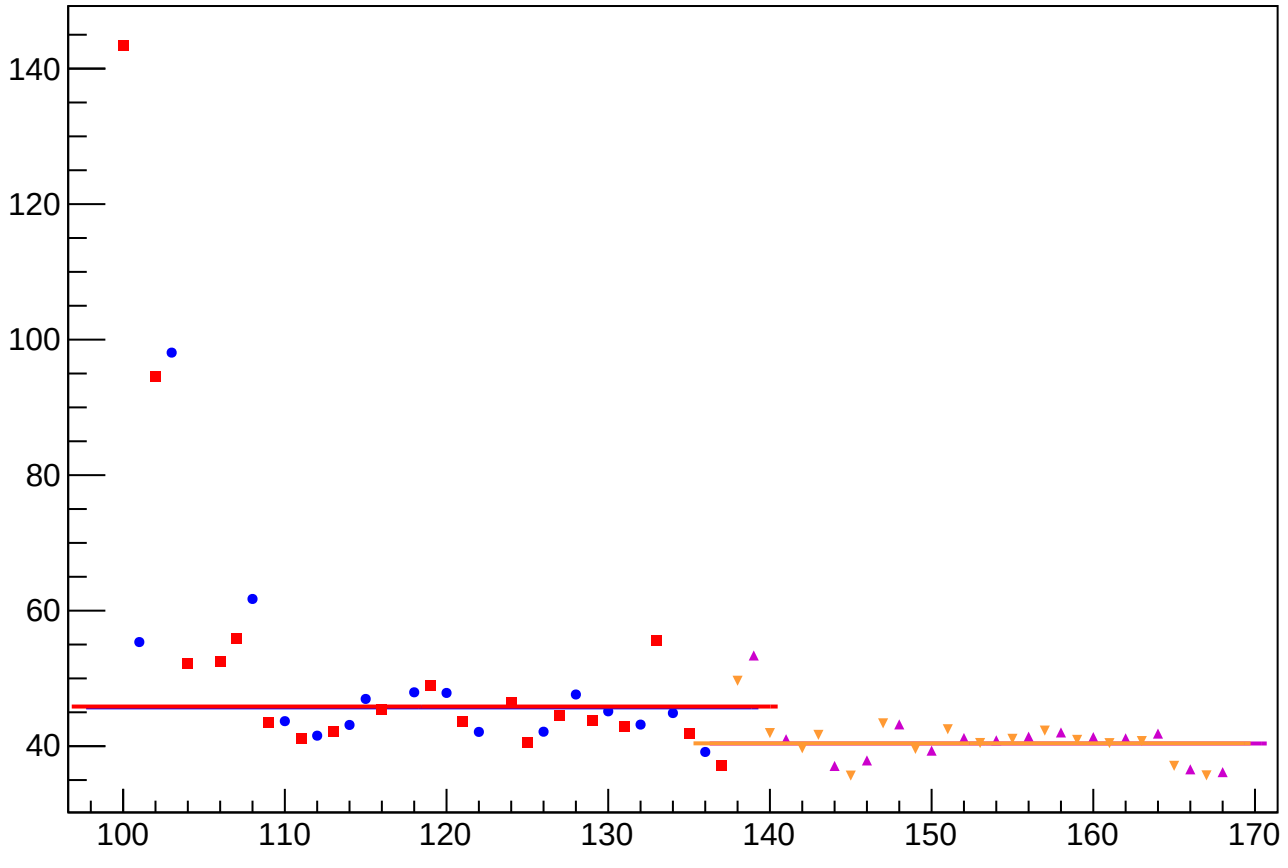
Left: -28.330+/-8.121 χ^2/NDF: 61.5/30

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -8.221+/-9.625 χ^2/NDF:33.2/30

Out: -18.062+/-9.547 χ^2/NDF:71.2/34

All: -13.182+/-6.778 χ^2/NDF: 104.9/65



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

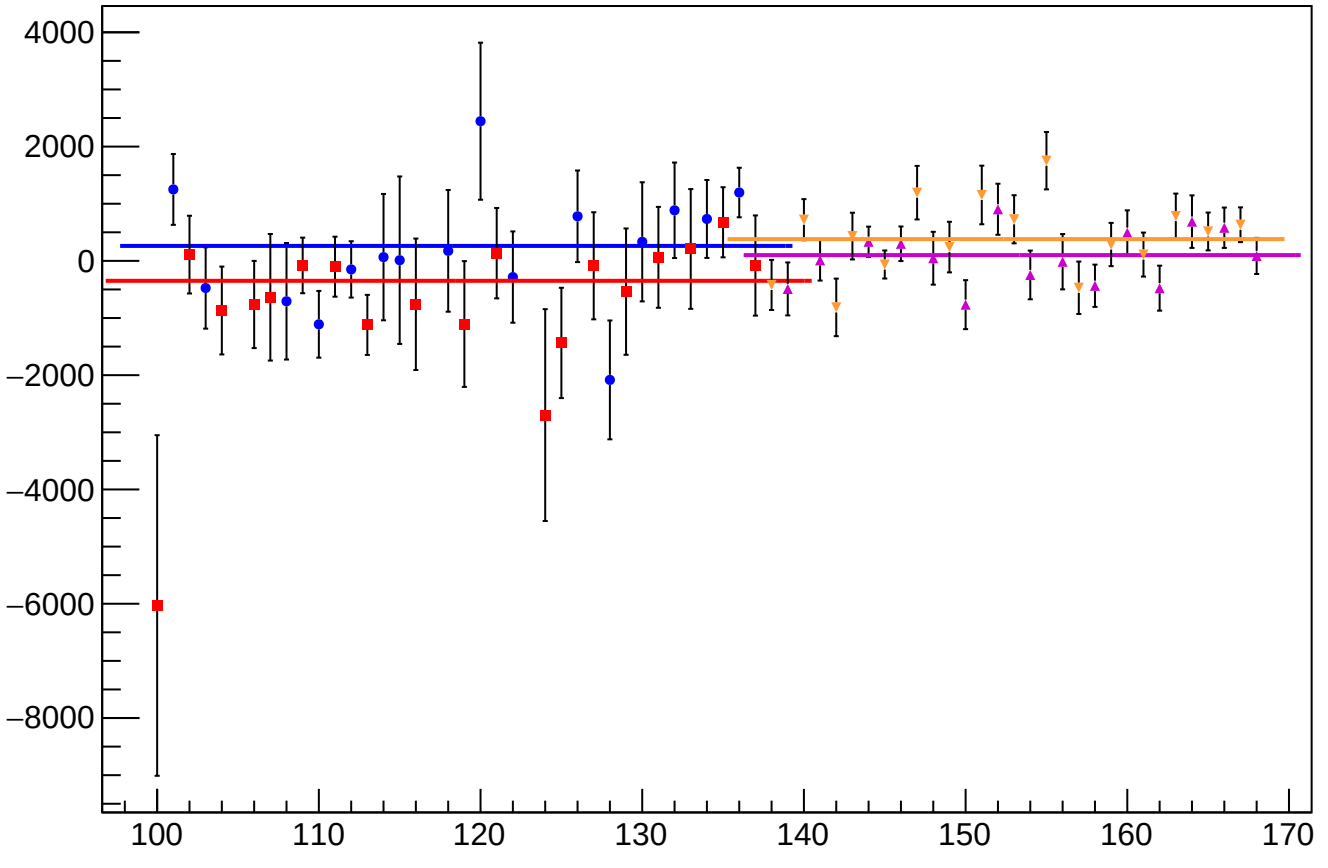
Left: 40.406+/-0.006 χ^2/NDF: 313864.1/30

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.014+/-0.007 χ^2/NDF:805340.4/30

Out: 42.064+/-0.007 χ^2/NDF:816701.1/34

All: 42.039+/-0.005 χ^2/NDF: 1622068.7/65



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 381.246+/-96.488 χ^2/NDF:32.6/15

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 101.084+/-97.250 χ^2/NDF:19.7/14

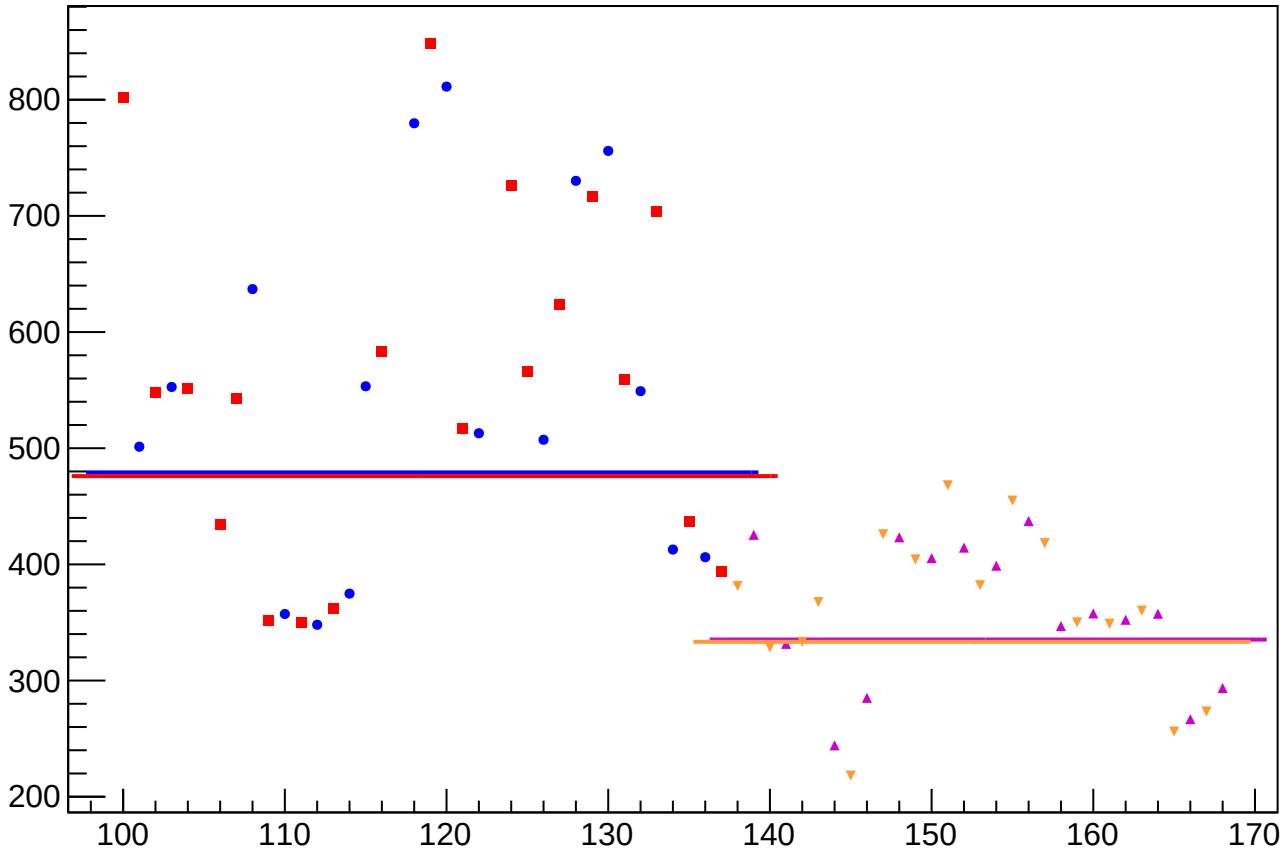
Left: 242.266+/-68.495 χ^2/NDF: 56.5/30

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 135.849+/-86.102 χ^2/NDF:45.2/30

Out: 219.275+/-85.112 χ^2/NDF:60.2/34

All: 178.044+/-60.530 χ^2/NDF: 105.9/65



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 335.287+/-0.069 χ^2/NDF:816931.1/14

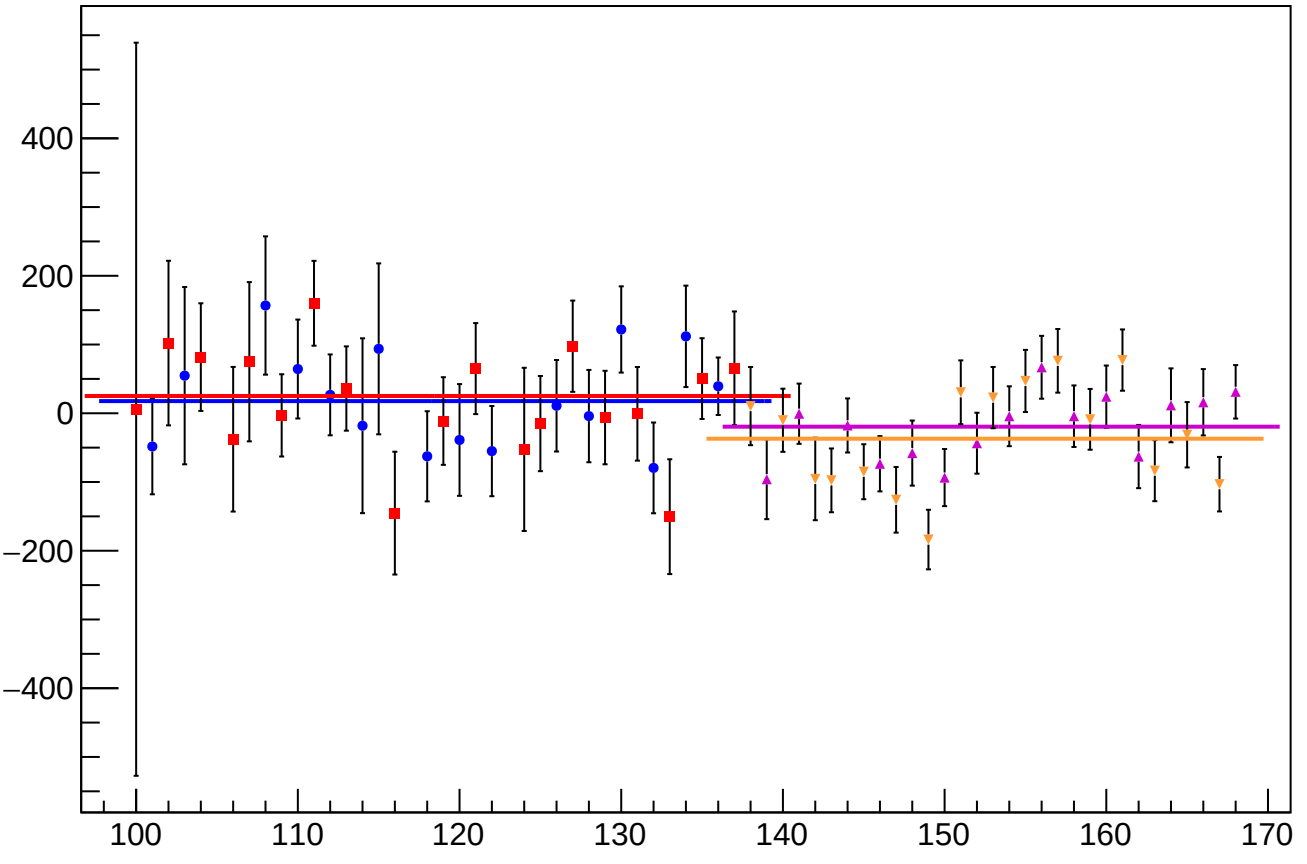
Left: 334.317+/-0.048 χ^2/NDF: 1979254.8/30

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 366.385+/-0.061 χ^2/NDF:2715888.9/30

Out: 365.011+/-0.060 χ^2/NDF:3138158.9/34

All: 365.690+/-0.043 χ^2/NDF: 5854305.0/65



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.995+/-11.437 χ^2/NDF:44.3/15

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -19.519+/-11.533 χ^2/NDF:16.1/14

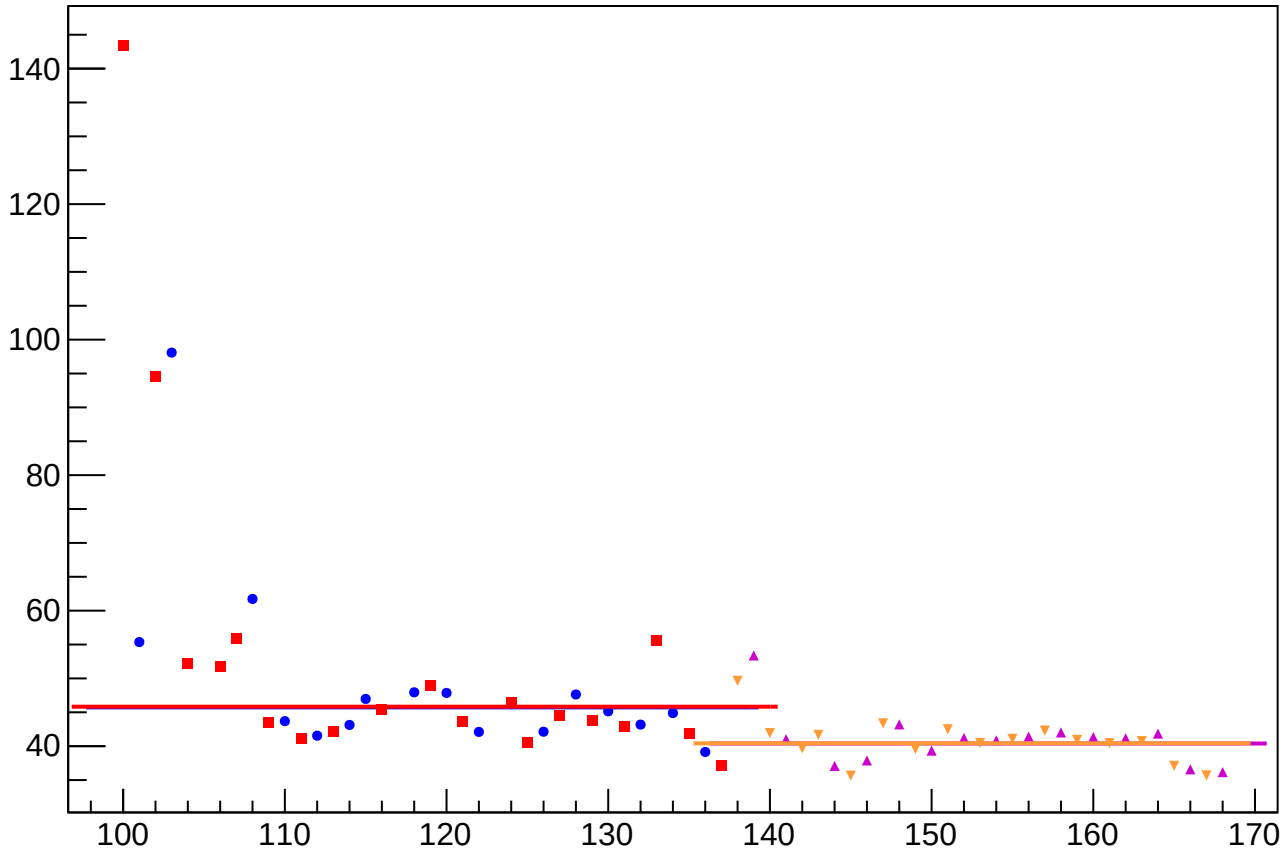
Left: -28.331+/-8.121 χ^2/NDF: 61.5/30

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.220+/-9.625 χ^2/NDF:33.2/30

Out: -18.156+/-9.547 χ^2/NDF:71.2/34

All: -13.229+/-6.778 χ^2/NDF: 104.9/65



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

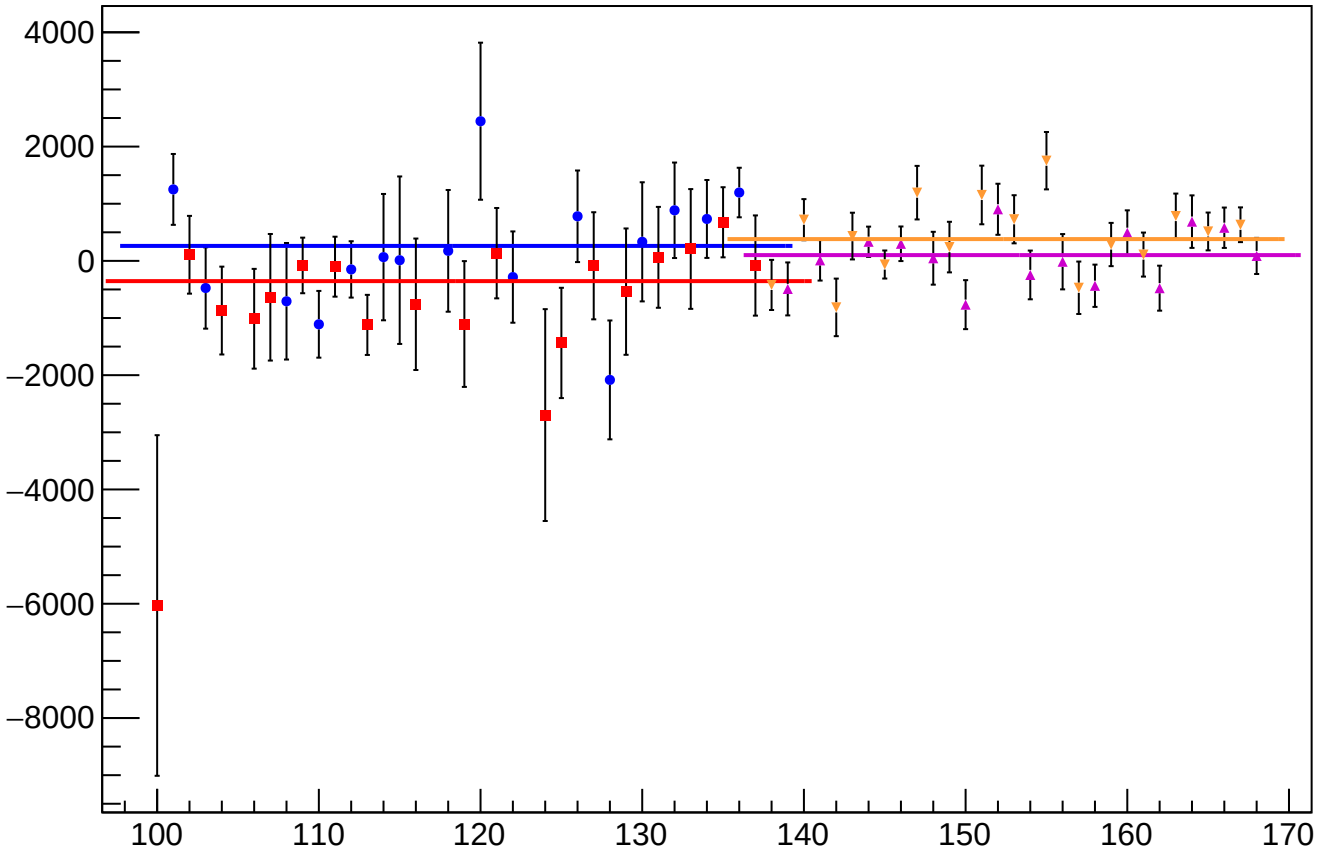
Left: 40.406+/-0.006 χ^2/NDF: 313864.1/30

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.014+/-0.007 χ^2/NDF:805343.3/30

Out: 42.056+/-0.007 χ^2/NDF:813790.7/34

All: 42.035+/-0.005 χ^2/NDF: 1619153.7/65



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.244+/-96.488 χ^2/NDF:32.6/15

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 101.085+/-97.250 χ^2/NDF:19.7/14

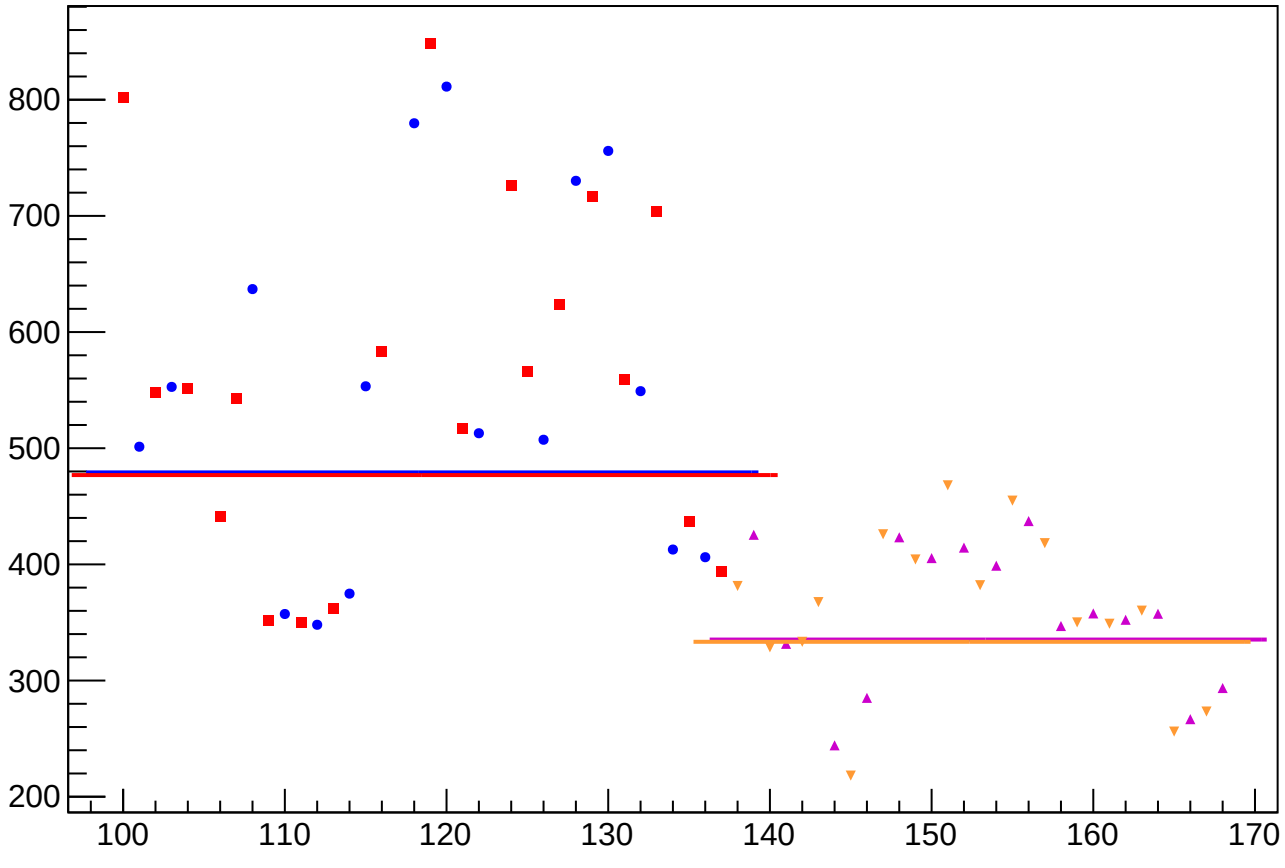
Left: 242.266+/-68.495 χ^2/NDF: 56.5/30

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 135.850+/-86.102 χ^2/NDF:45.2/30

Out: 219.752+/-85.239 χ^2/NDF:60.6/34

All: 178.224+/-60.576 χ^2/NDF: 106.3/65



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 335.287+/-0.069 χ^2/NDF:816932.2/14

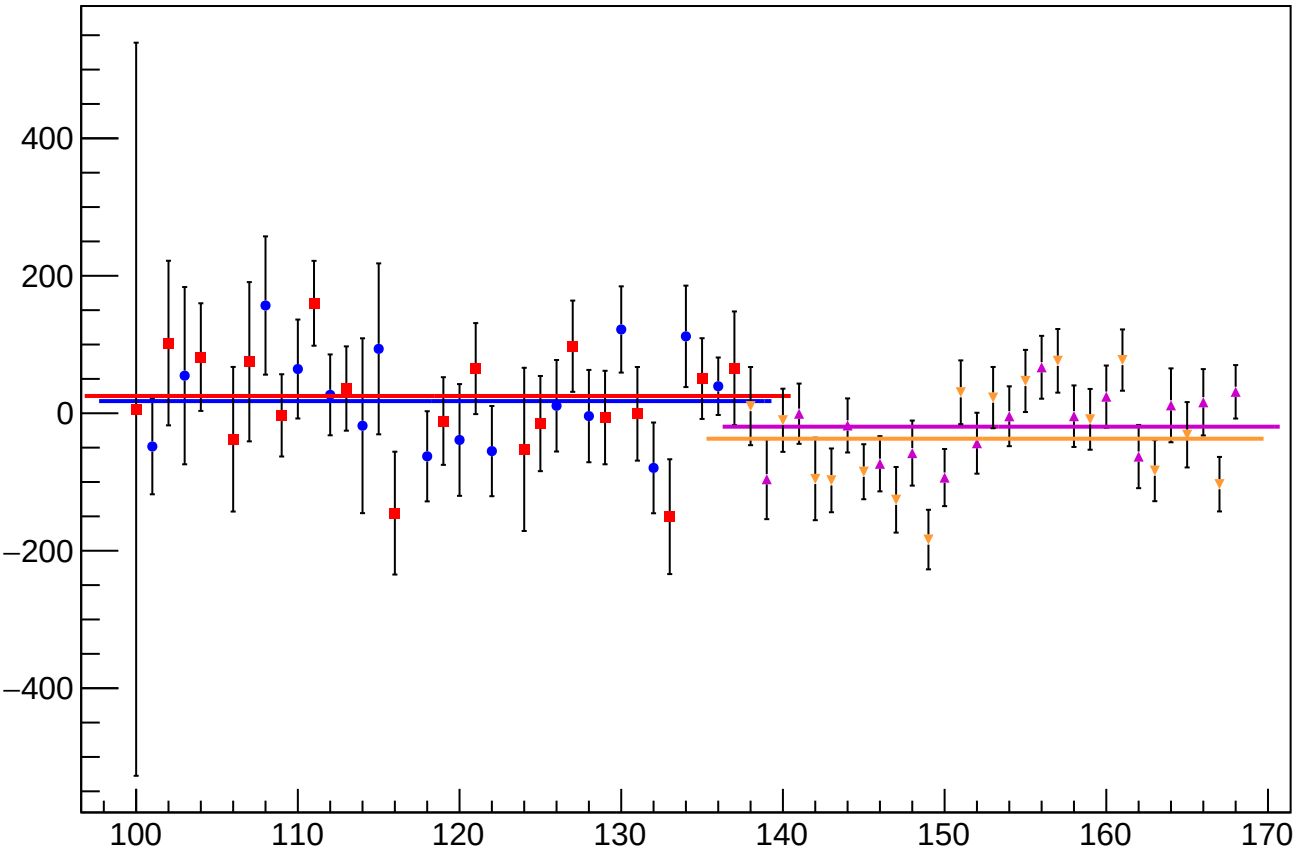
Left: 334.317+/-0.048 χ^2/NDF: 1979256.1/30

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 366.385+/-0.061 χ^2/NDF:2715937.3/30

Out: 364.879+/-0.060 χ^2/NDF:3137478.3/34

All: 365.624+/-0.043 χ^2/NDF: 5853724.6/65



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.995+/-11.437 χ^2/NDF:44.3/15

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -19.519+/-11.533 χ^2/NDF:16.1/14

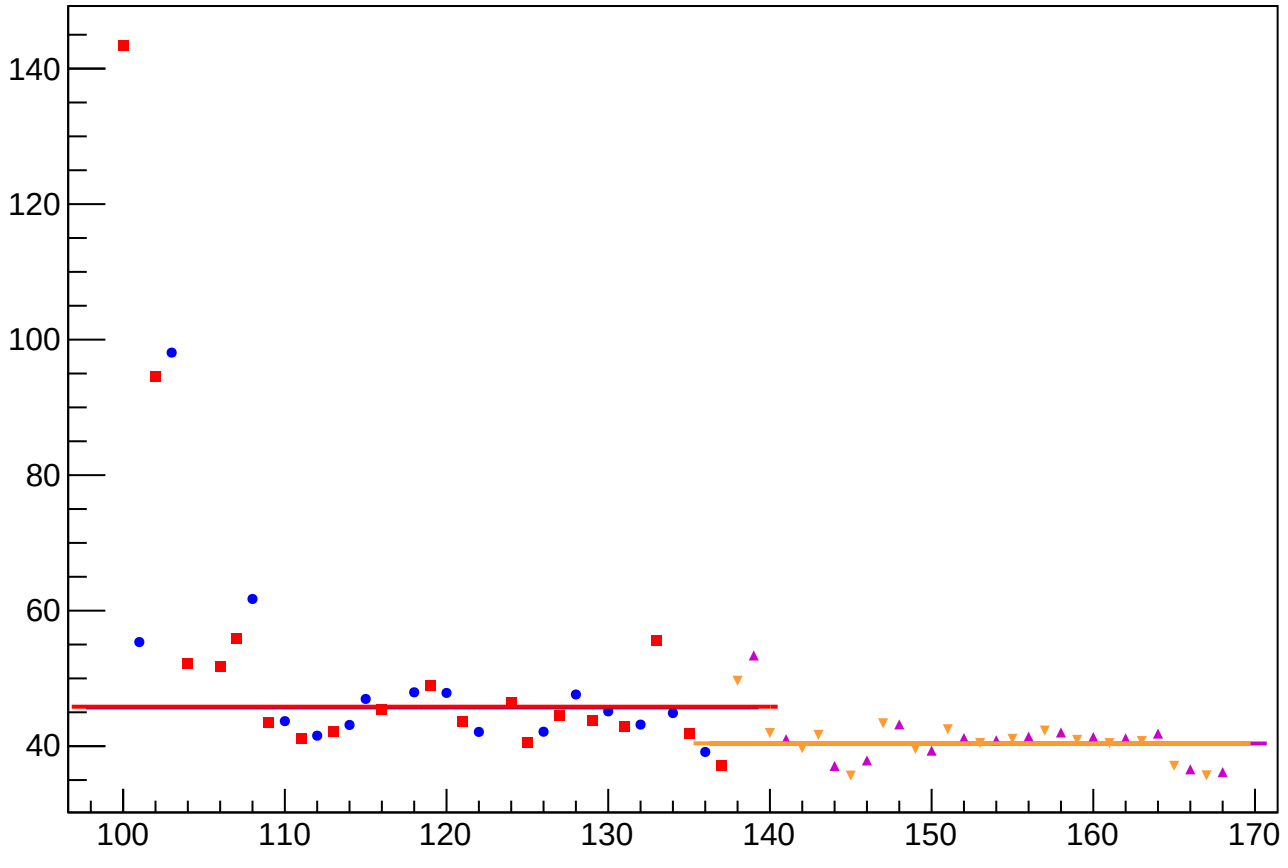
Left: -28.331+/-8.121 χ^2/NDF: 61.5/30

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.220+/-9.625 χ^2/NDF:33.2/30

Out: -18.156+/-9.547 χ^2/NDF:71.2/34

All: -13.229+/-6.778 χ^2/NDF: 104.9/65



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.416+/-0.008 χ^2/NDF:139699.1/15

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.395+/-0.008 χ^2/NDF:174161.6/14

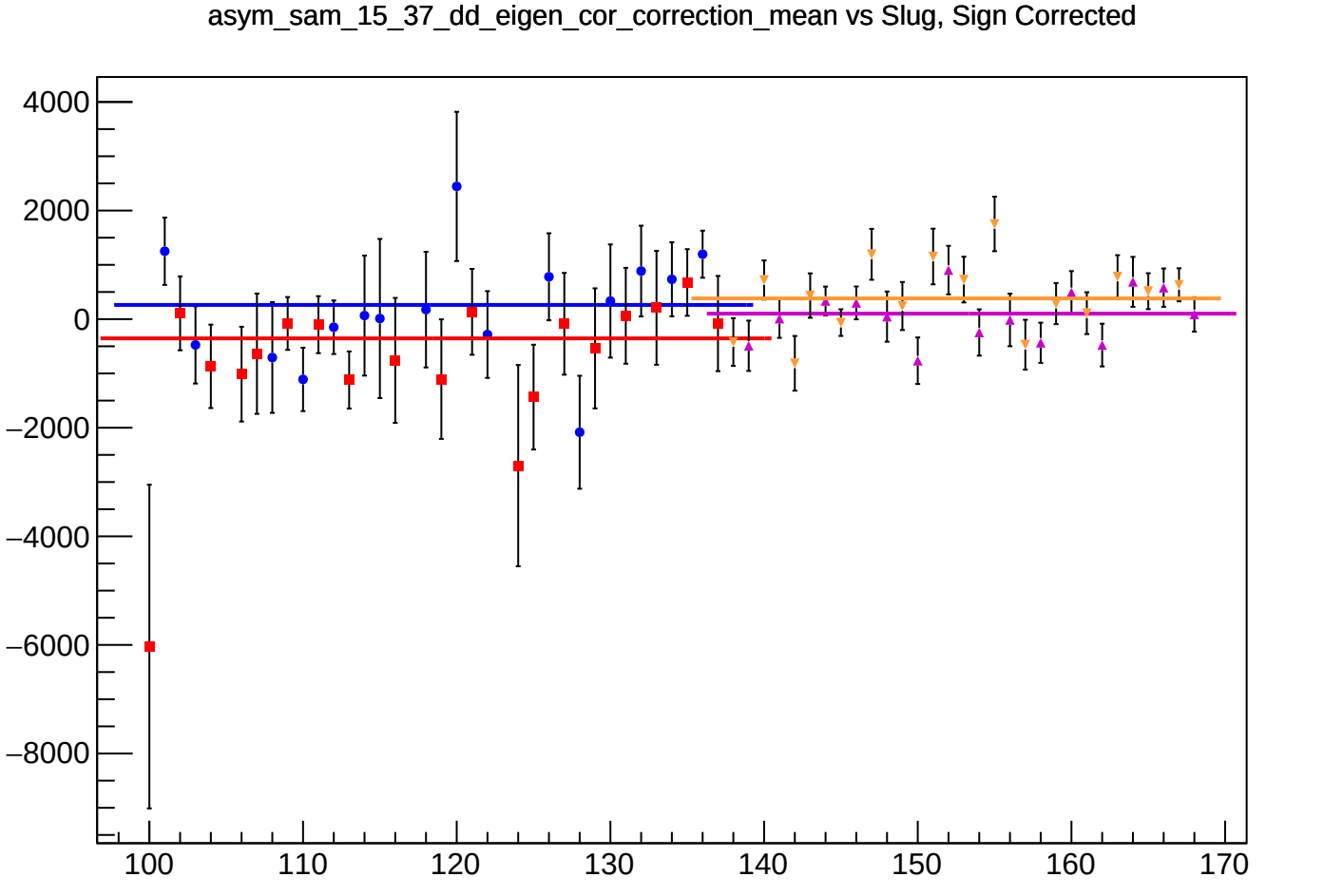
Left: 40.406+/-0.006 χ^2/NDF: 313864.1/30

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

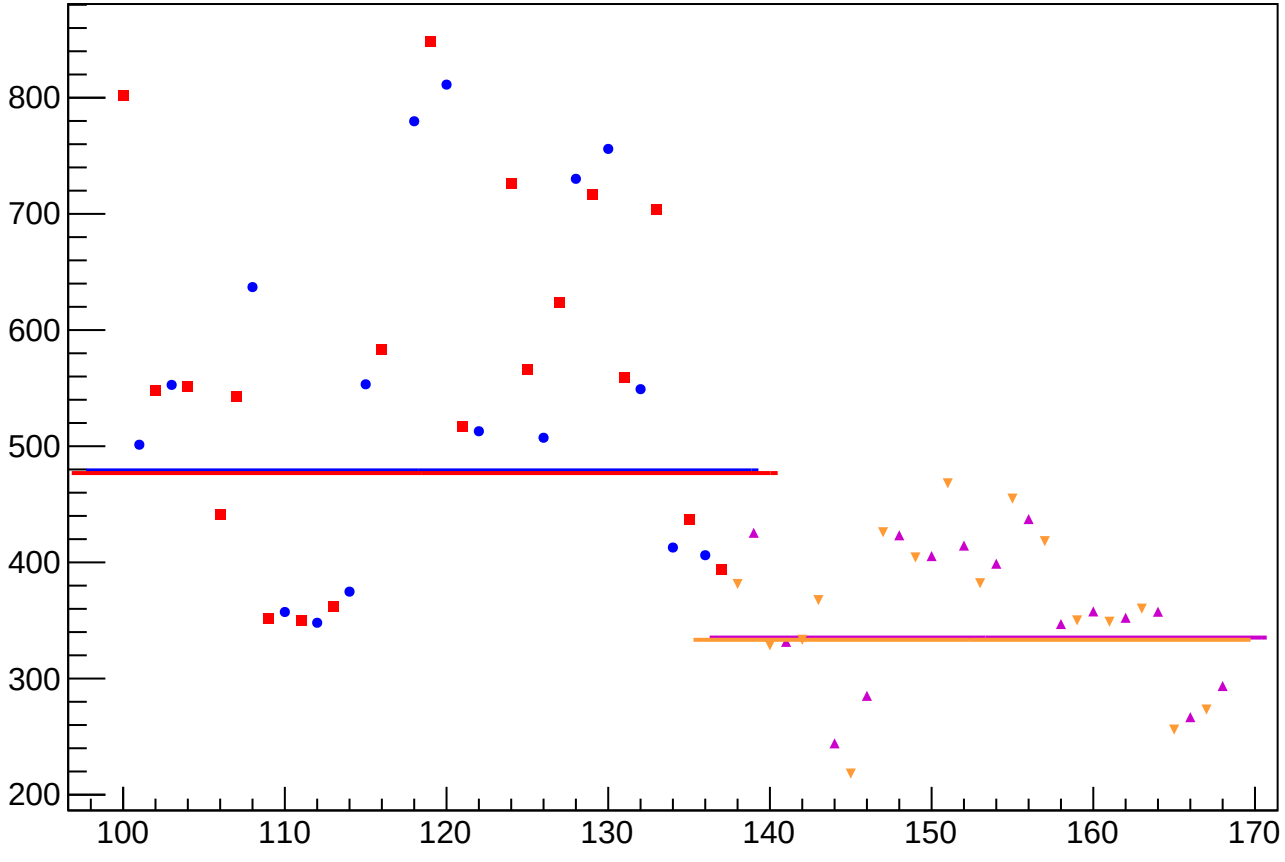
In: 42.014+/-0.007 χ^2/NDF:805343.3/30

Out: 42.056+/-0.007 χ^2/NDF:813790.7/34

All: 42.035+/-0.005 χ^2/NDF: 1619153.7/65


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 381.244+/-96.488 χ²/NDF:32.6/15
Right Out: -354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 101.085+/-97.250 χ²/NDF:19.7/14
Left: 242.266+/-68.495 χ²/NDF: 56.5/30
Right: -51.682+/-129.779 χ²/NDF: 45.8/34
In: 135.850+/-86.102 χ²/NDF:45.2/30
Out: 219.752+/-85.239 χ²/NDF:60.6/34
All: 178.224+/-60.576 χ²/NDF: 106.3/65

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: 333.362+/-0.068 χ^2/NDF:1161928.9/15

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 335.287+/-0.069 χ^2/NDF:816932.2/14

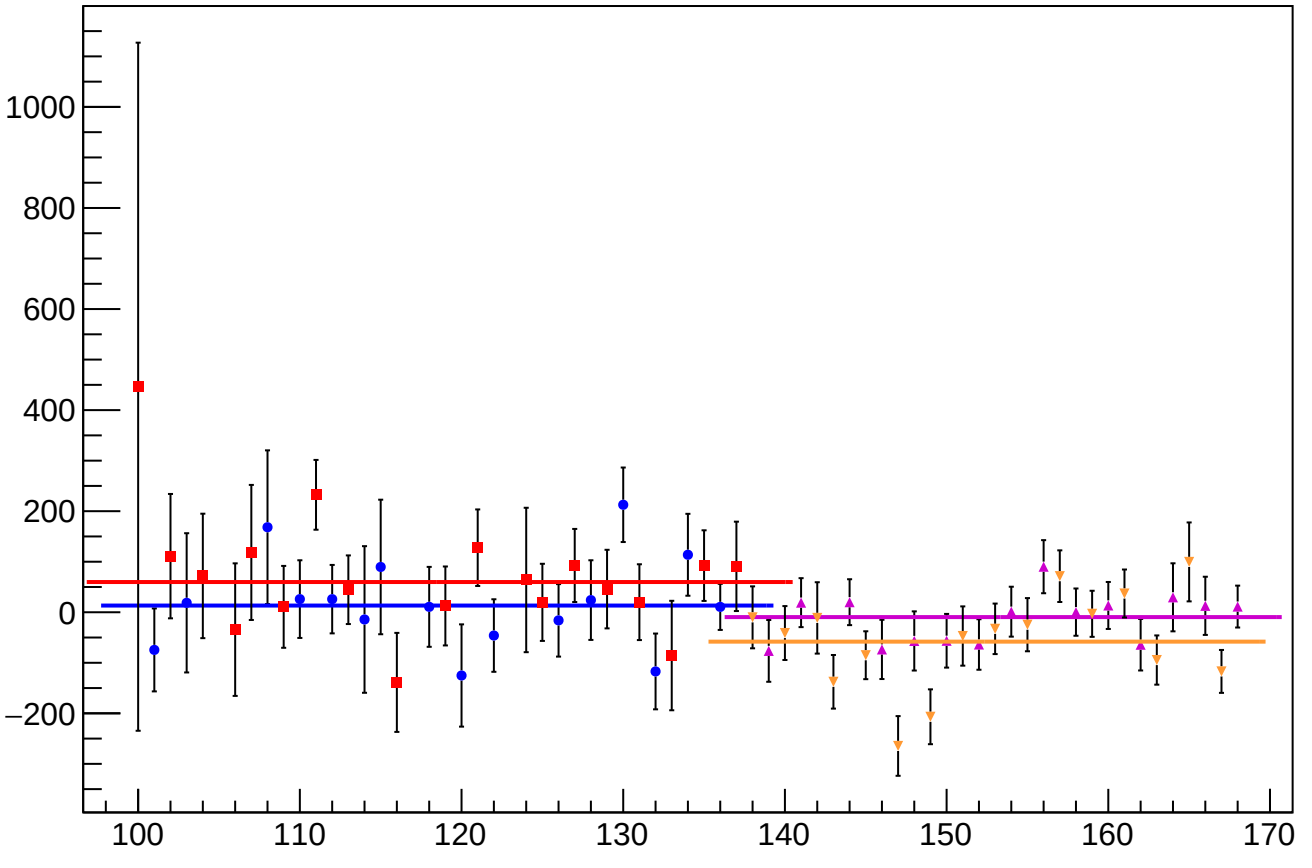
Left: 334.317+/-0.048 χ^2/NDF: 1979256.1/30

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 366.385+/-0.061 χ^2/NDF:2715937.3/30

Out: 364.879+/-0.060 χ^2/NDF:3137478.3/34

All: 365.624+/-0.043 χ^2/NDF: 5853724.6/65



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.144+/-13.194 χ^2/NDF:42.6/15

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -9.572+/-13.249 χ^2/NDF:11.6/14

Left: -33.959+/-9.349 χ^2/NDF: 61.0/30

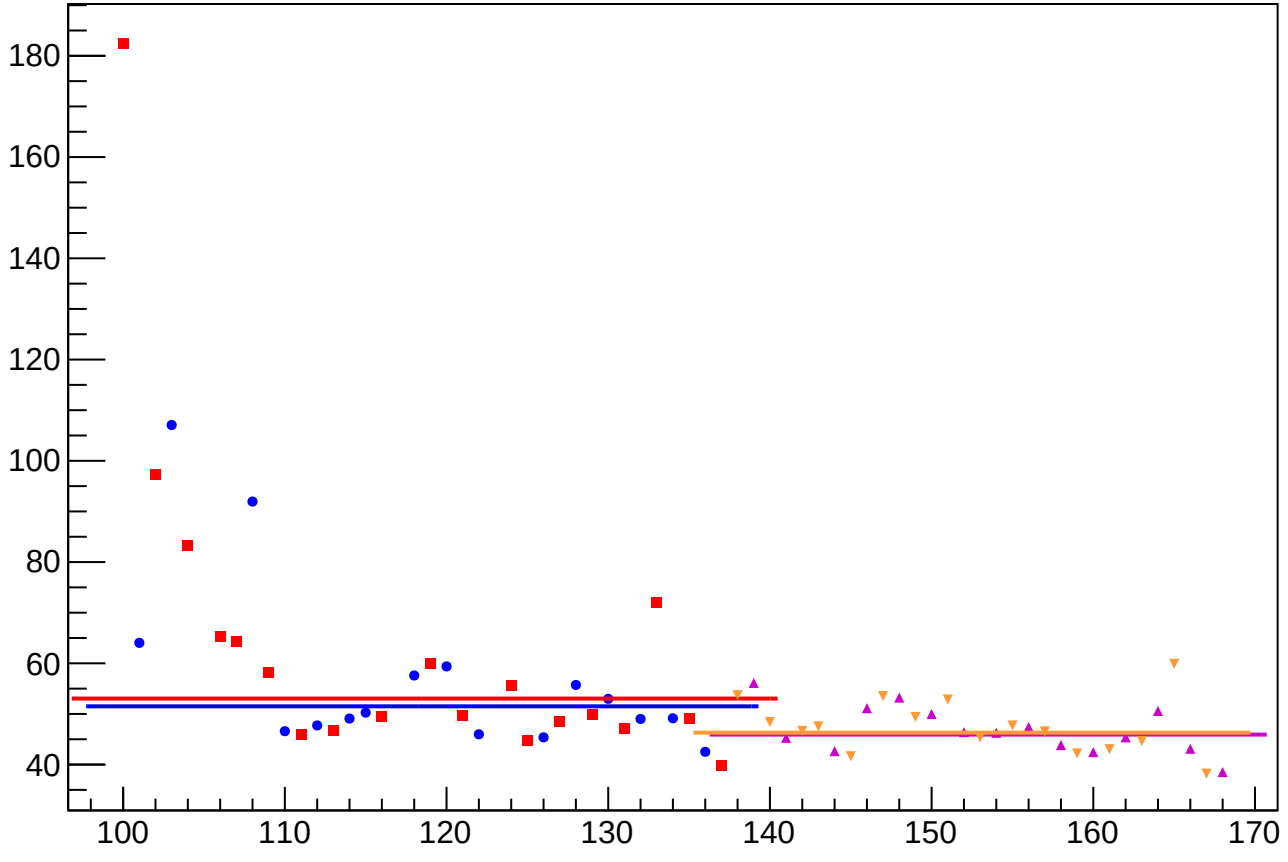
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -2.533+/-11.019 χ^2/NDF:29.7/30

Out: -22.954+/-11.052 χ^2/NDF:82.6/34

All: -12.714+/-7.803 χ^2/NDF: 114.0/65

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: 46.303+/-0.009 χ^2/NDF:277941.5/15

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 45.921+/-0.009 χ^2/NDF:220476.6/14

Left: 46.113+/-0.007 χ^2/NDF: 499254.9/30

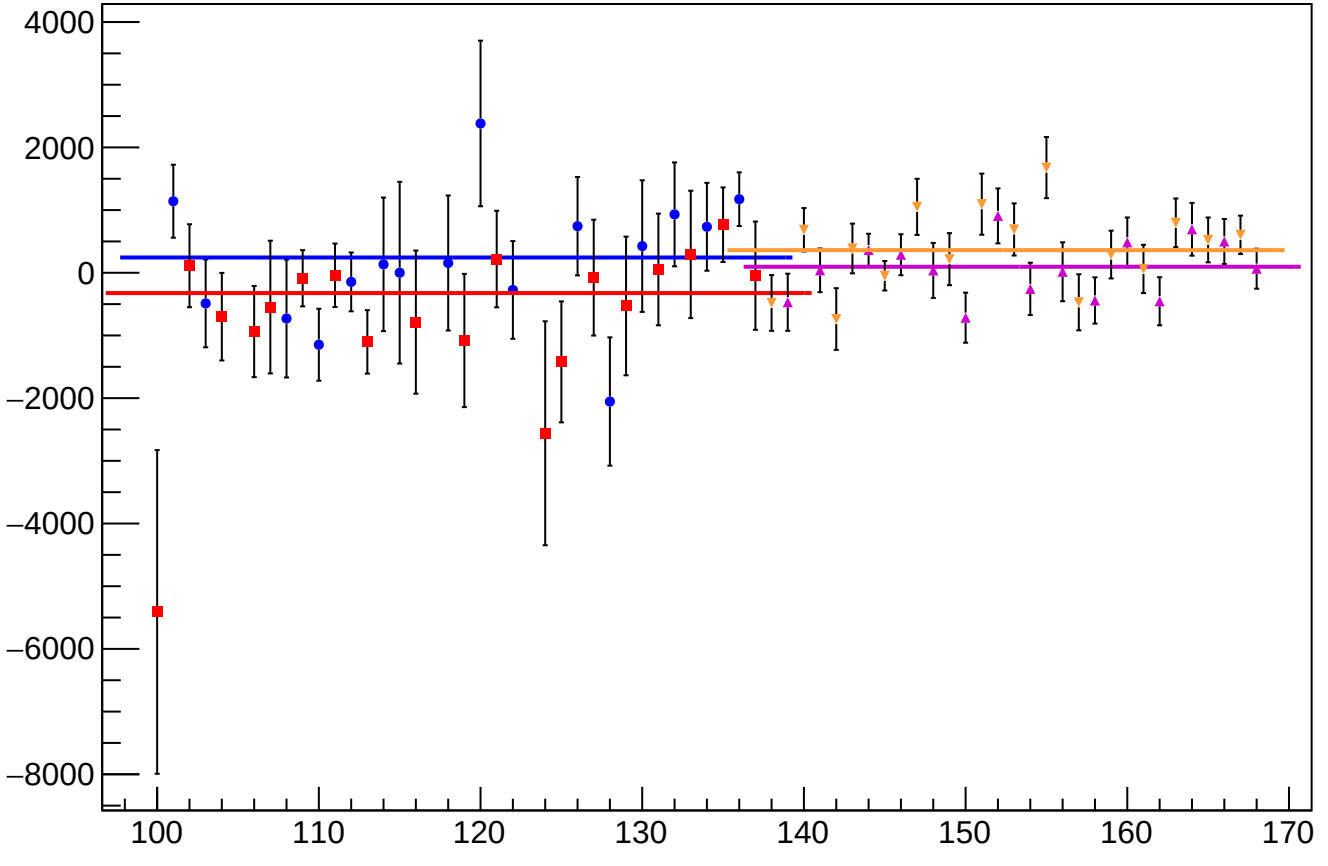
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 47.642+/-0.008 χ^2/NDF:997061.8/30

Out: 48.312+/-0.008 χ^2/NDF:1146285.2/34

All: 47.976+/-0.006 χ^2/NDF: 2147035.9/65

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 360.979+/-95.092 χ^2/NDF:31.4/15

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 95.882+/-96.305 χ^2/NDF:19.7/14

Left: 230.110+/-67.665 χ^2/NDF: 54.9/30

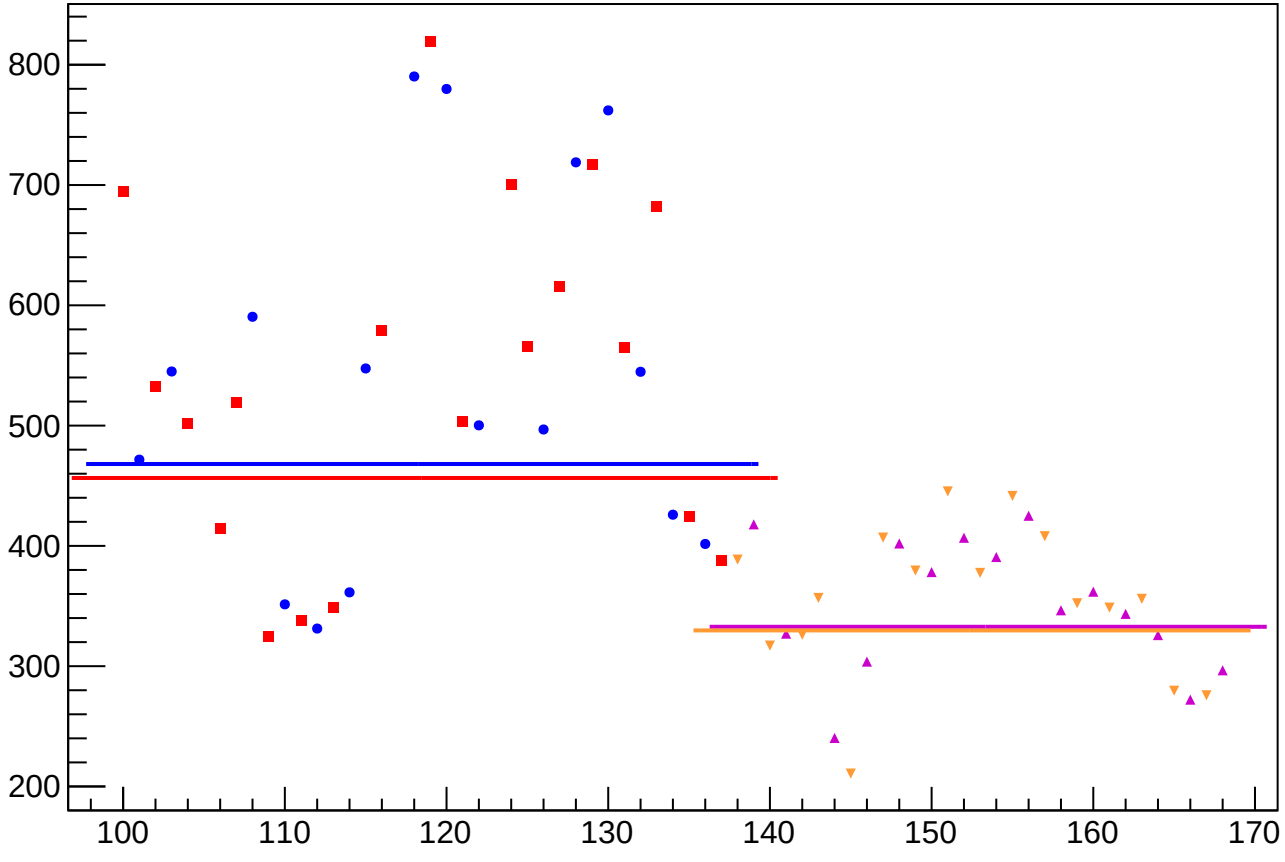
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 128.561+/-85.006 χ^2/NDF:45.8/30

Out: 203.017+/-83.404 χ^2/NDF:59.8/34

All: 166.498+/-59.534 χ^2/NDF: 106.0/65

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 329.732+/-0.067 χ^2/NDF:1072304.1/15

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 332.753+/-0.068 χ^2/NDF:685724.0/14

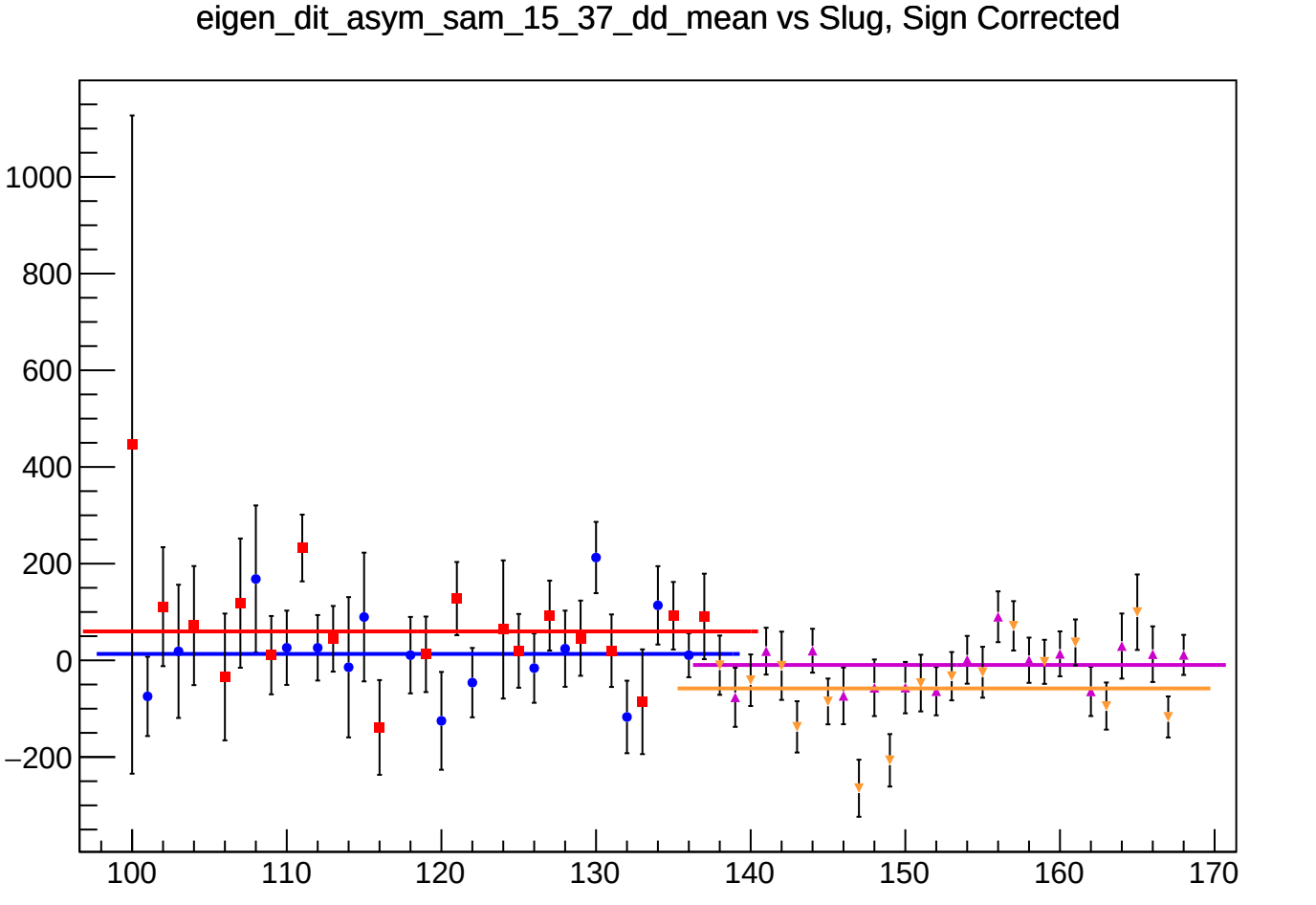
Left: 331.223+/-0.048 χ^2/NDF: 1759024.3/30

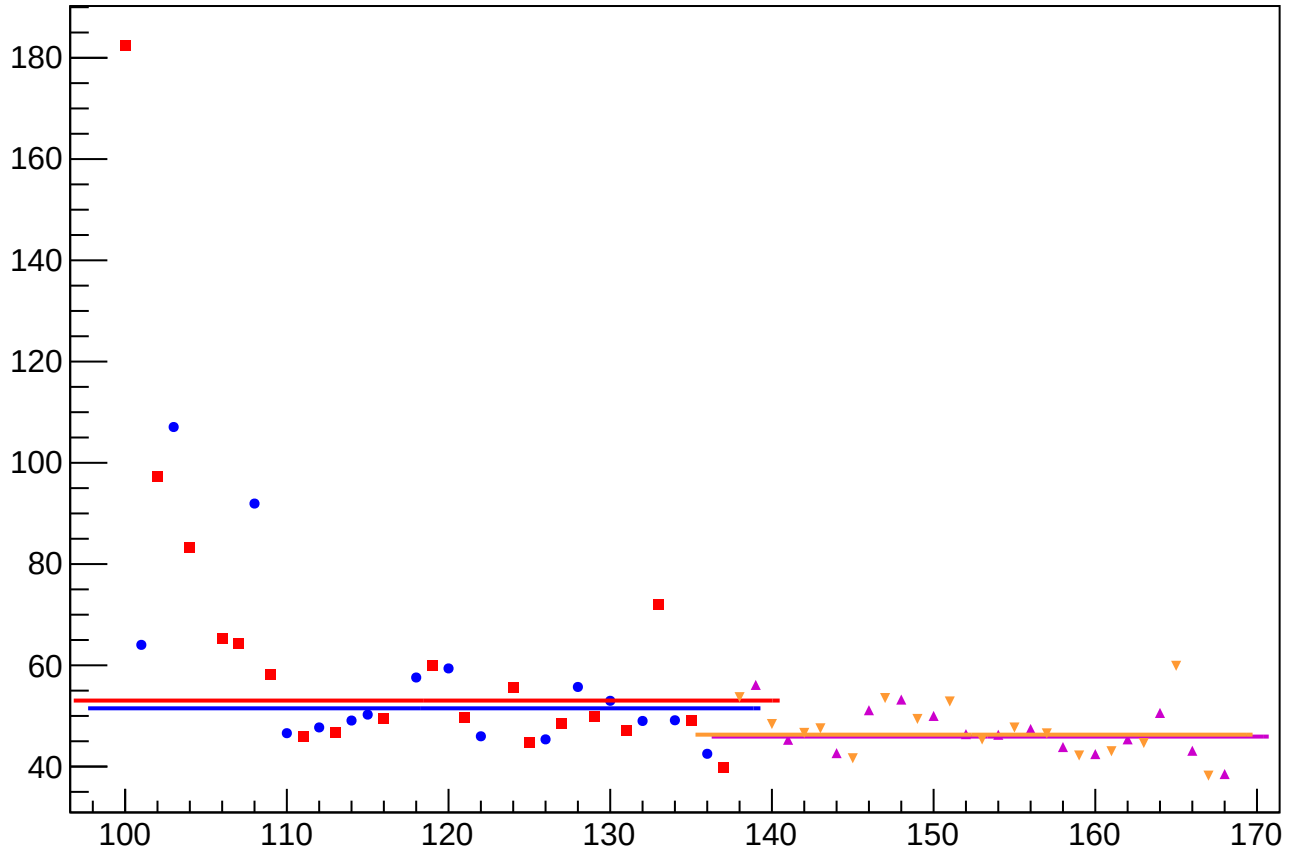
Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 362.641+/-0.060 χ^2/NDF:2540745.7/30

Out: 358.974+/-0.059 χ^2/NDF:2974557.6/34

All: 360.773+/-0.042 χ^2/NDF: 5517198.9/65


eigen_dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
100
110
120
130
140
150
160
170
Right In: 13.266+/-19.849 χ²/NDF: 17.2/15
Left Out: -58.145+/-13.194 χ²/NDF:42.6/15
Right Out: 59.811+/-20.234 χ²/NDF: 16.1/18
Left In: -9.572+/-13.249 χ²/NDF:11.6/14
Left: -33.959+/-9.349 χ²/NDF: 61.0/30
Right: 36.092+/-14.170 χ²/NDF: 36.0/34
In: -2.533+/-11.019 χ²/NDF:29.7/30
Out: -22.954+/-11.052 χ²/NDF:82.6/34
All: -12.714+/-7.803 χ²/NDF: 114.0/65



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.303+/-0.009 χ^2/NDF:277946.0/15

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.921+/-0.009 χ^2/NDF:220478.3/14

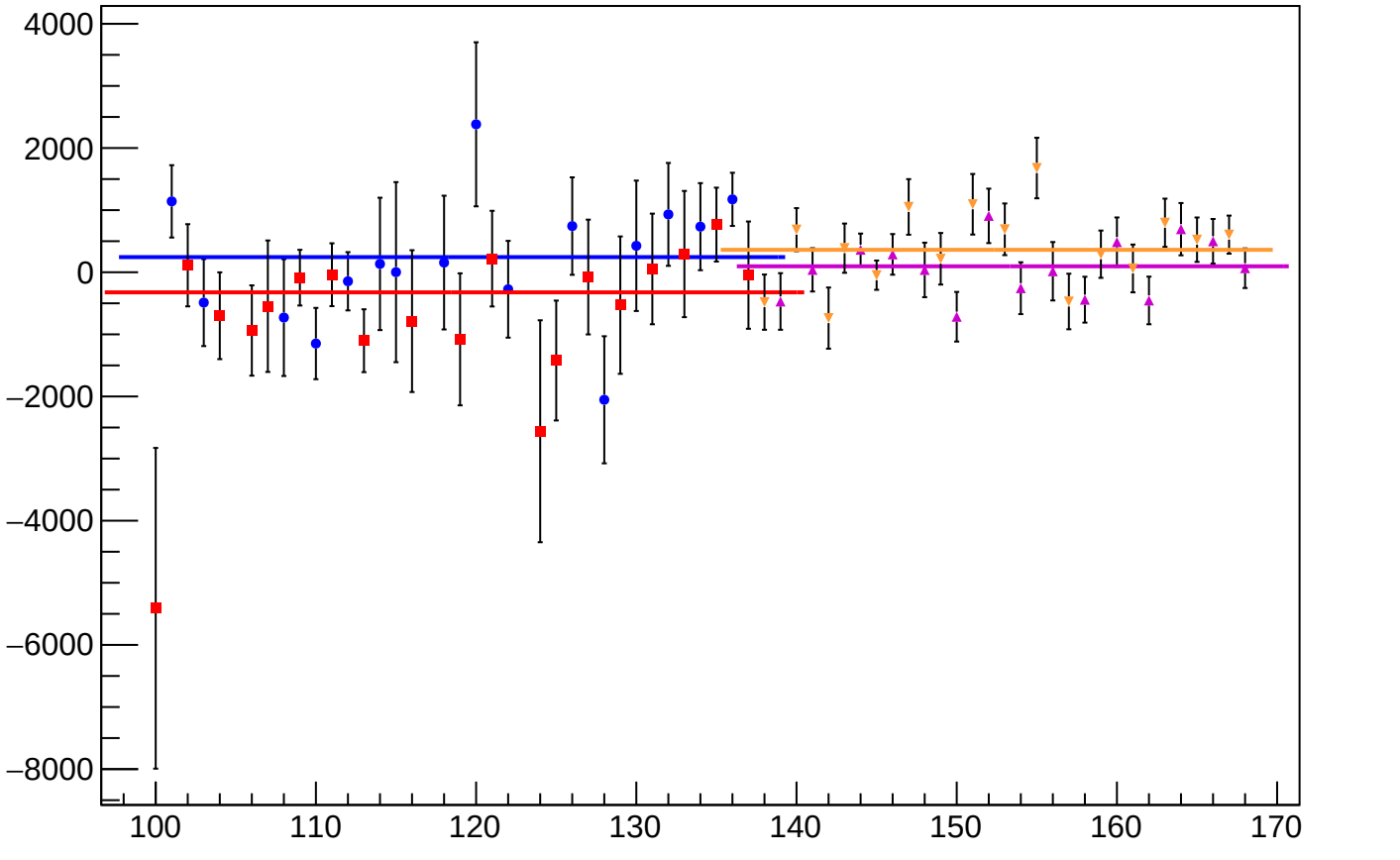
Left: 46.113+/-0.007 χ^2/NDF: 499261.1/30

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

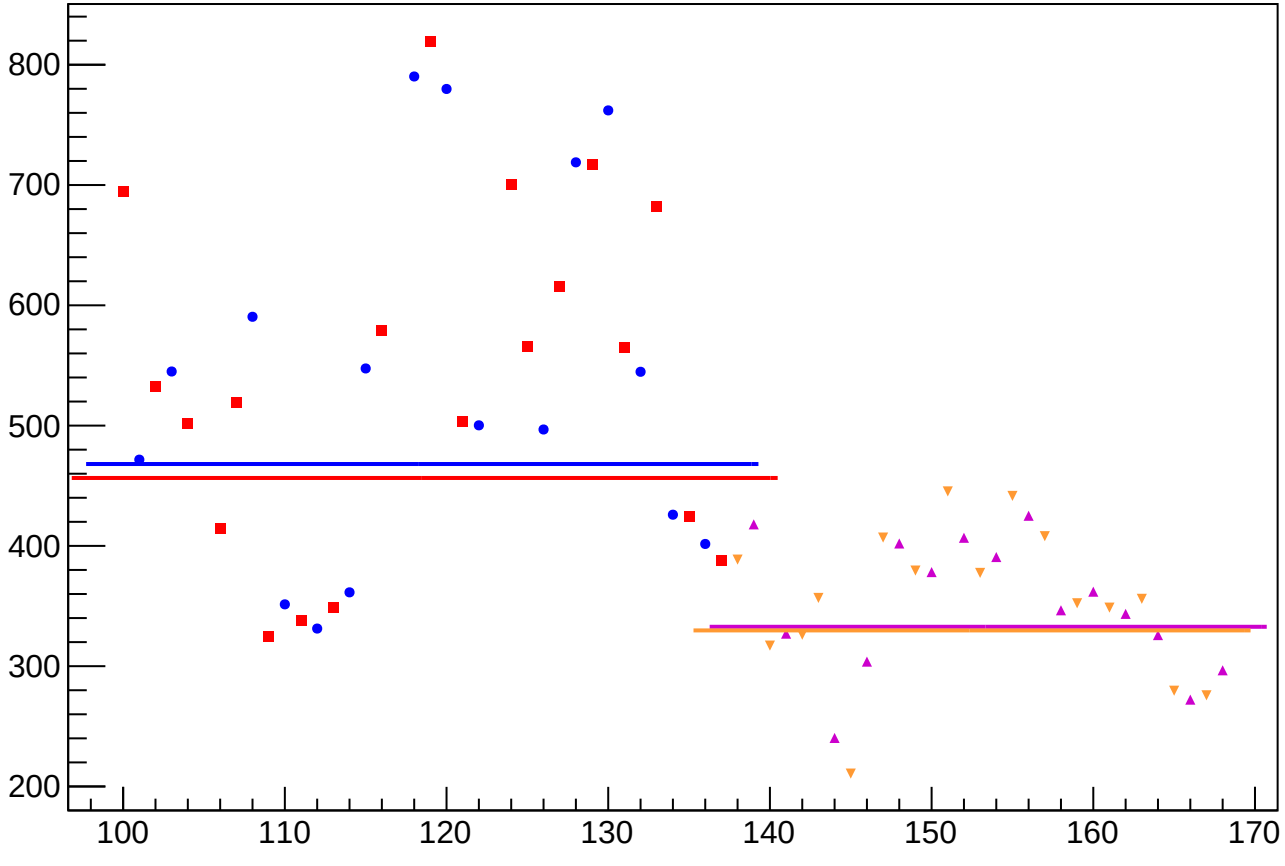
In: 47.642+/-0.008 χ^2/NDF:997068.8/30

Out: 48.312+/-0.008 χ^2/NDF:1146300.2/34

All: 47.976+/-0.006 χ^2/NDF: 2147058.0/65


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 360.979+/-95.092 χ²/NDF:31.4/15
Right Out: -323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 95.883+/-96.305 χ²/NDF:19.7/14
Left: 230.111+/-67.665 χ²/NDF: 54.9/30
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 128.561+/-85.006 χ²/NDF:45.8/30
Out: 203.017+/-83.404 χ²/NDF:59.8/34
All: 166.498+/-59.534 χ²/NDF: 106.0/65

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: 329.732+/-0.067 χ^2/NDF:1072307.2/15

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 332.753+/-0.068 χ^2/NDF:685724.3/14

Left: 331.223+/-0.048 χ^2/NDF: 1759027.7/30

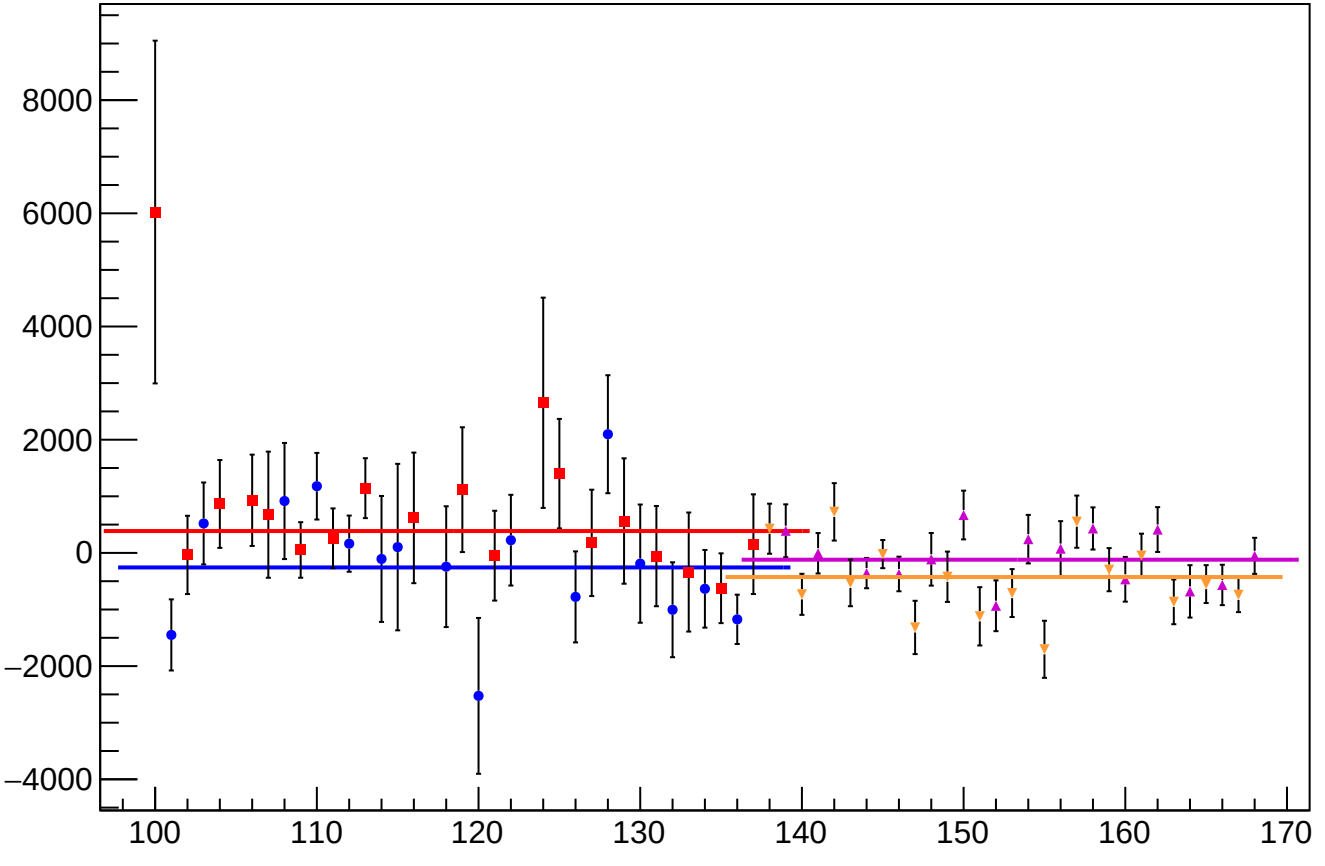
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 362.641+/-0.060 χ^2/NDF:2540736.2/30

Out: 358.974+/-0.059 χ^2/NDF:2974549.7/34

All: 360.773+/-0.042 χ^2/NDF: 5517181.7/65

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -426.260+/-97.258 χ^2/NDF:32.5/15

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -120.106+/-98.006 χ^2/NDF:18.1/14

Left: -274.356+/-69.035 χ^2/NDF: 55.6/30

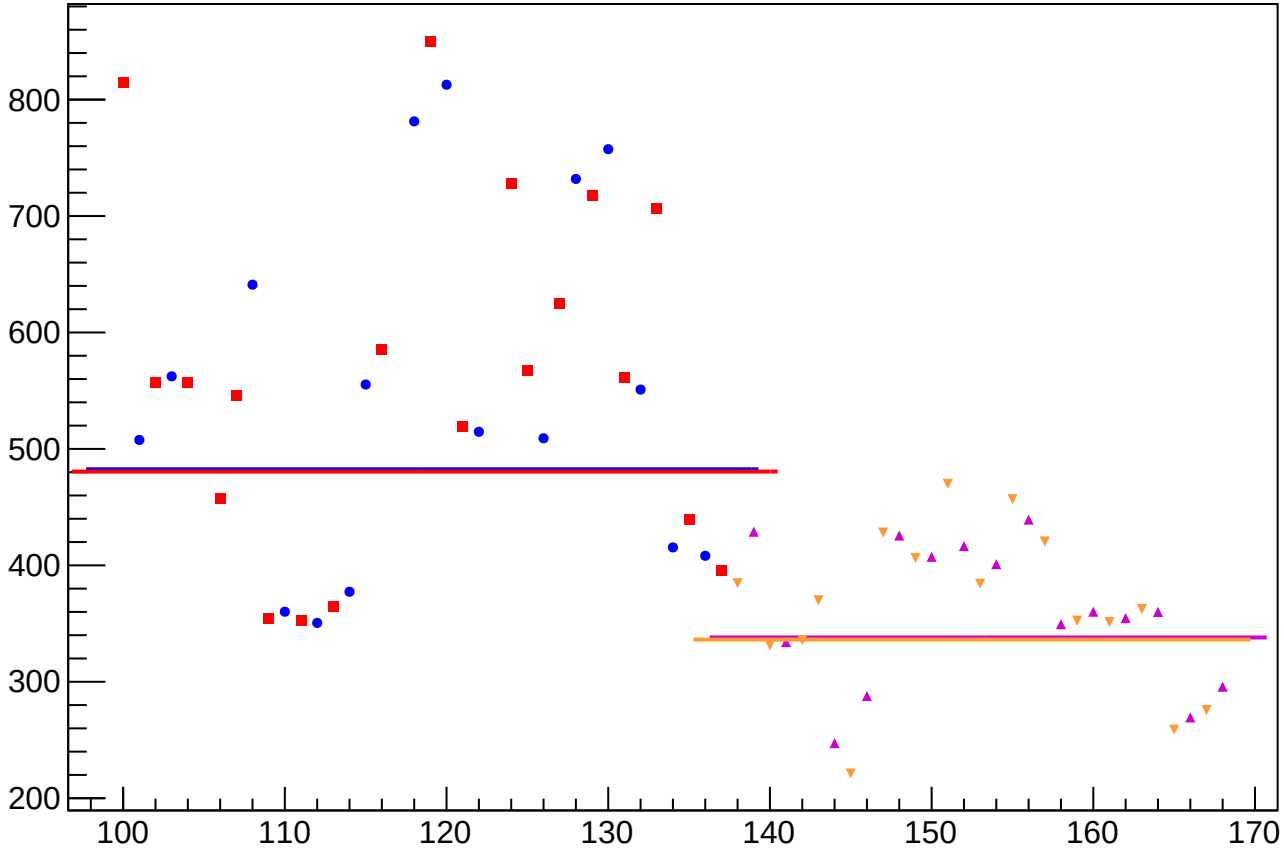
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -149.684+/-86.753 χ^2/NDF:45.5/30

Out: -246.289+/-85.816 χ^2/NDF:62.2/34

All: -198.511+/-61.010 χ^2/NDF: 108.3/65

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 336.235+/-0.069 χ^2/NDF:1133841.3/15

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 338.053+/-0.069 χ^2/NDF:798625.8/14

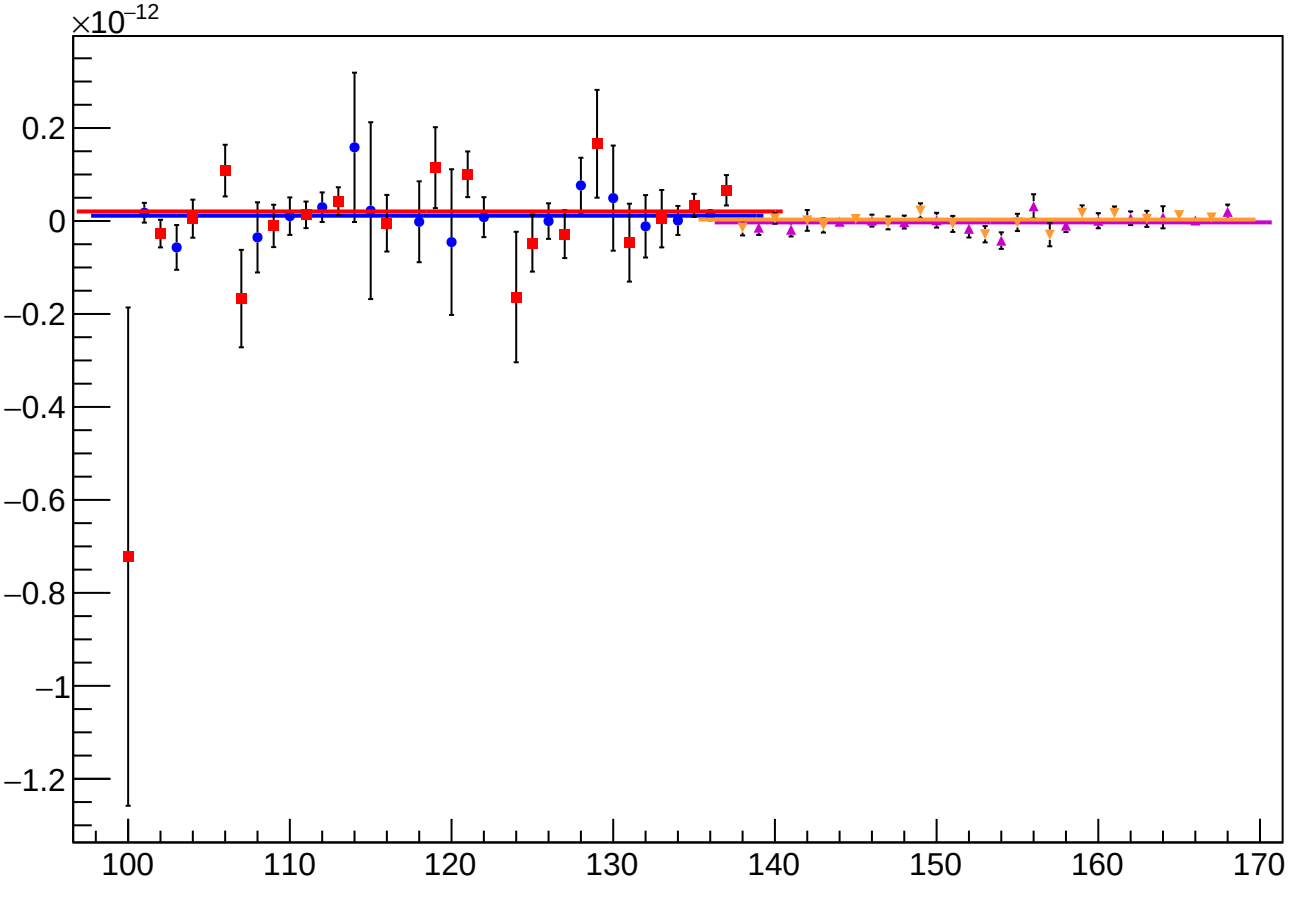
Left: 337.137+/-0.049 χ^2/NDF: 1932814.0/30

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 369.324+/-0.061 χ^2/NDF:2685735.8/30

Out: 368.195+/-0.061 χ^2/NDF:3102906.8/34

All: 368.753+/-0.043 χ^2/NDF: 5788813.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/14

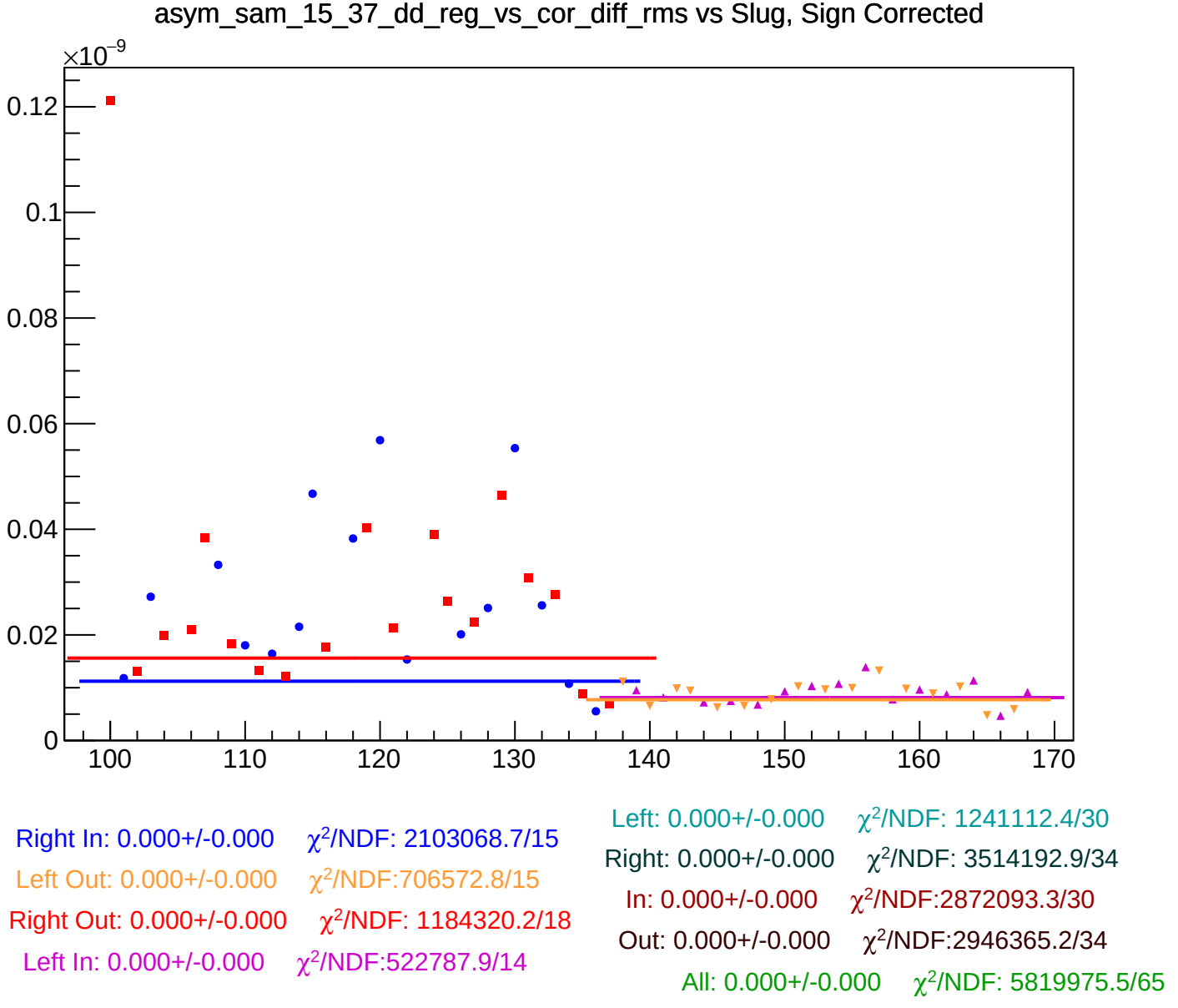
Left: 0.000+/-0.000 χ^2/NDF: 25.1/30

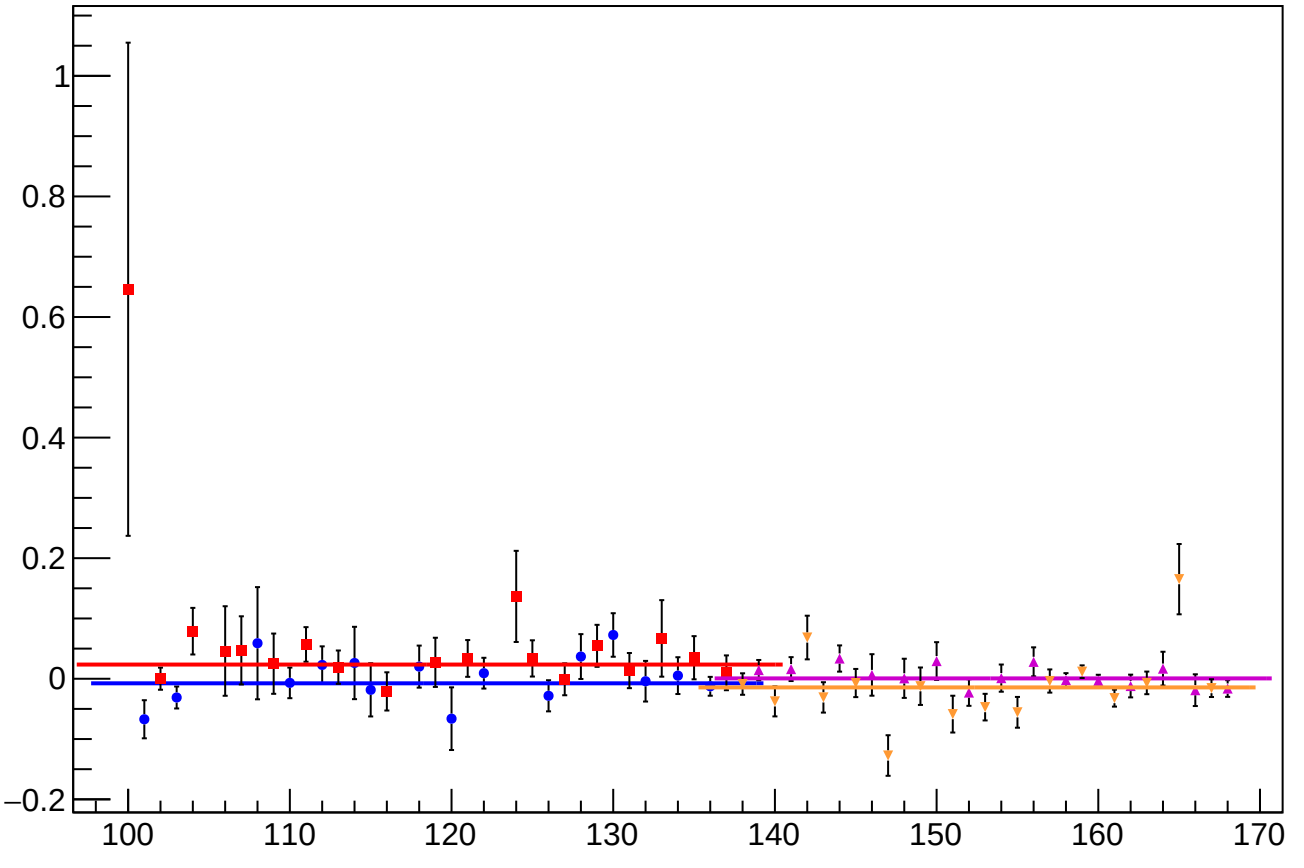
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:20.2/30

Out: 0.000+/-0.000 χ^2/NDF:37.9/34

All: 0.000+/-0.000 χ^2/NDF: 59.3/65


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:706572.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:522787.9/14
Left: 0.000+/-0.000 χ²/NDF: 1241112.4/30
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2872093.3/30
Out: 0.000+/-0.000 χ²/NDF:2946365.2/34
All: 0.000+/-0.000 χ²/NDF: 5819975.5/65



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:9.9/14

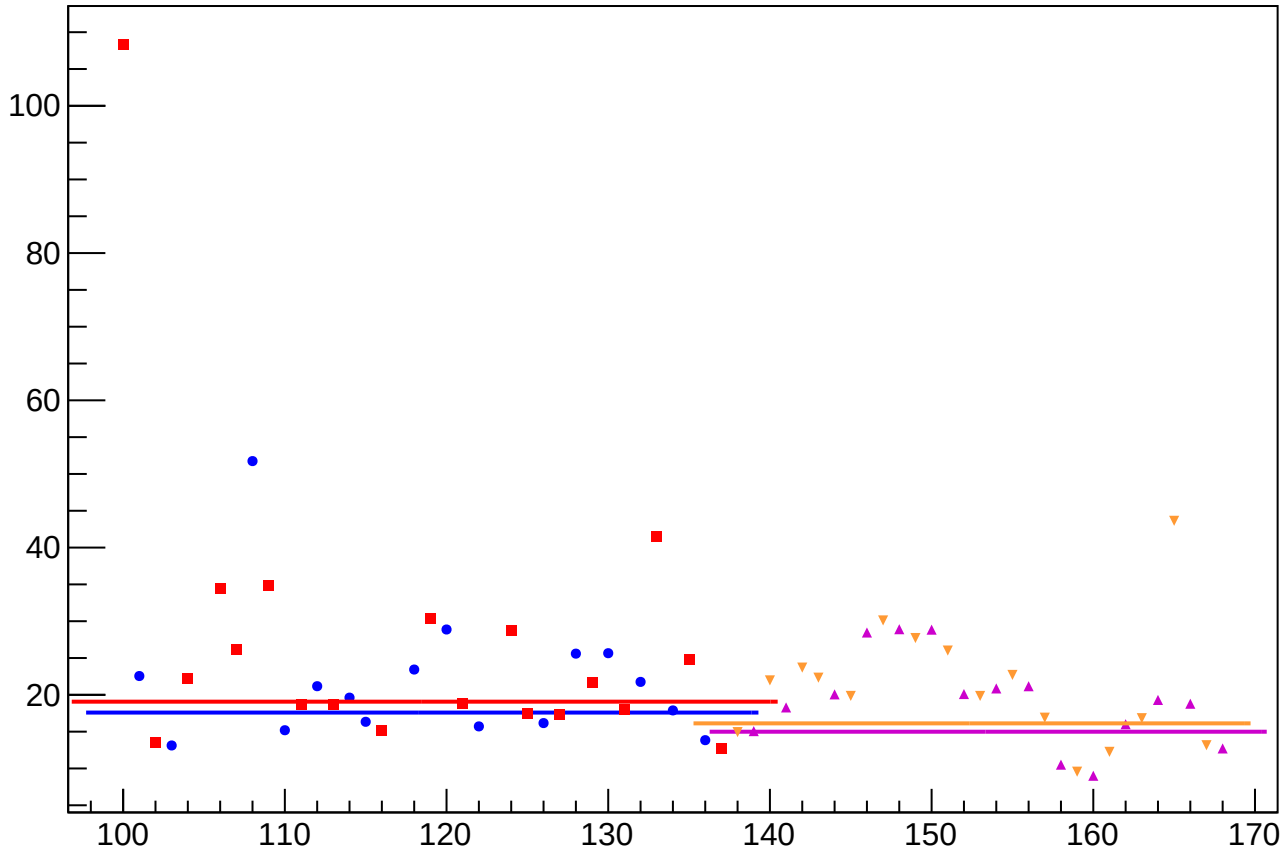
Left: -0.006+/-0.003 χ^2/NDF: 57.3/30

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:27.5/30

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.003+/-0.003 χ^2/NDF: 101.8/65



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.125+/-0.004 χ^2/NDF:2869946.5/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.990+/-0.003 χ^2/NDF:2765076.7/14

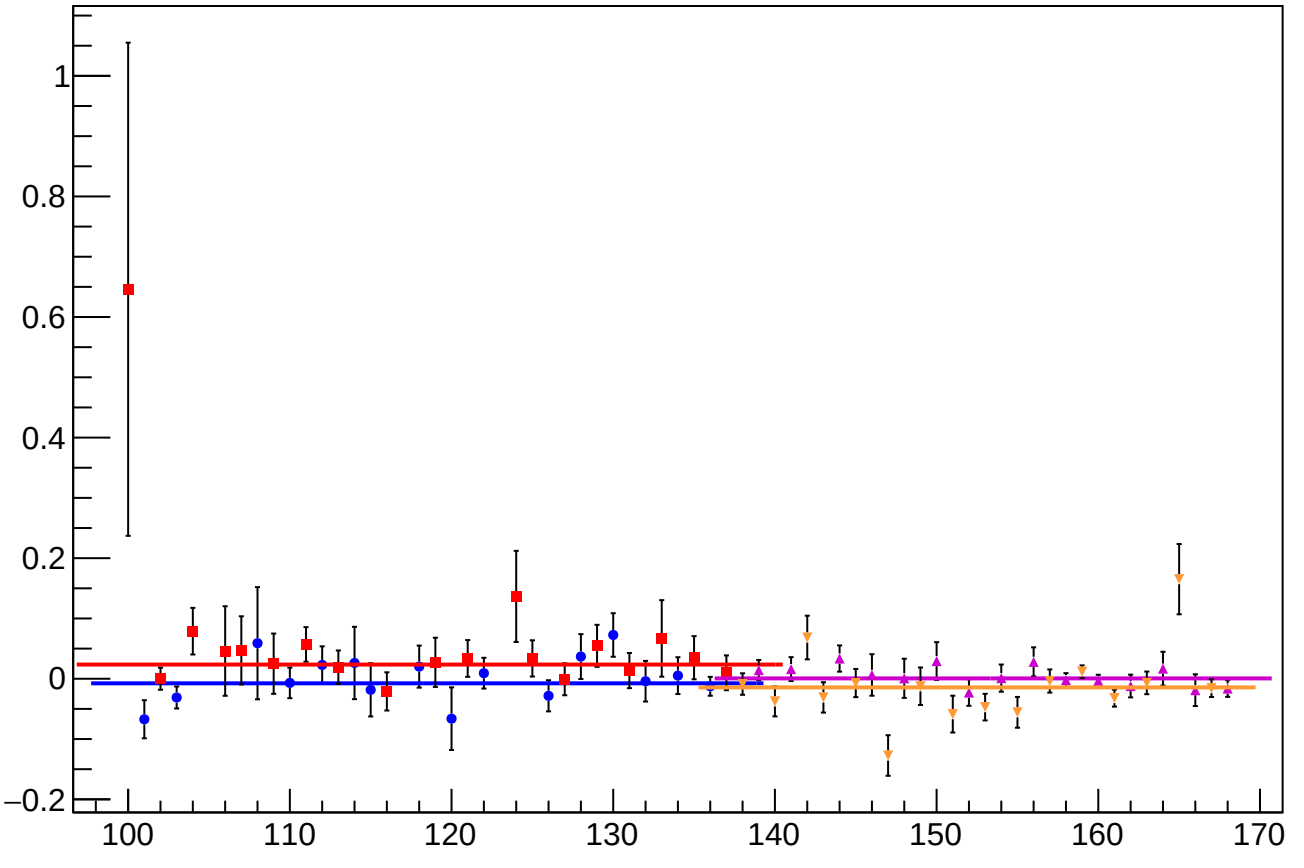
Left: 15.525+/-0.002 χ^2/NDF: 5689590.6/30

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.771+/-0.003 χ^2/NDF:3940913.1/30

Out: 16.991+/-0.003 χ^2/NDF:4322514.4/34

All: 16.344+/-0.002 χ^2/NDF: 8353020.6/65



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:9.9/14

Left: -0.006+/-0.003 χ^2/NDF: 57.3/30

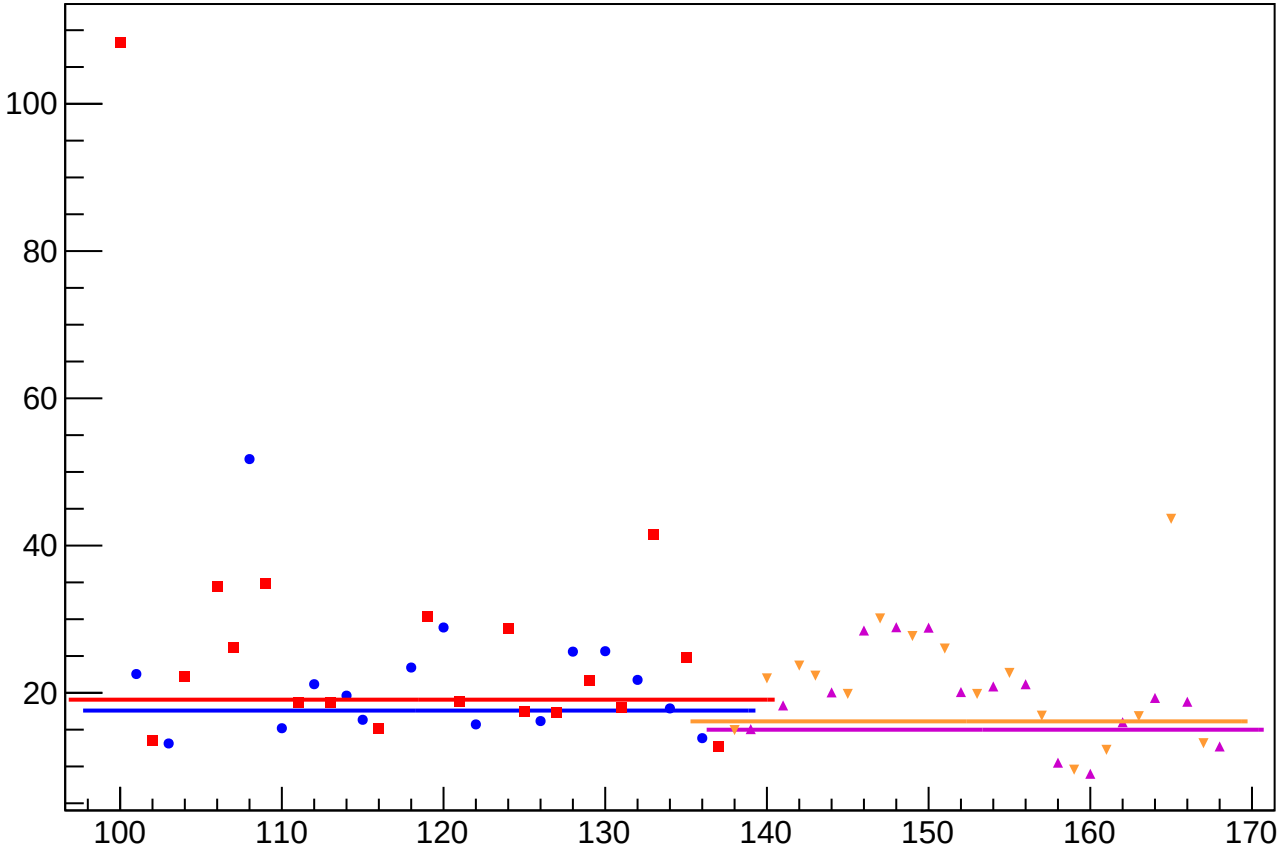
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:27.5/30

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.003+/-0.003 χ^2/NDF: 101.8/65

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: 16.125+/-0.004 χ^2/NDF:2869946.5/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.990+/-0.003 χ^2/NDF:2765076.7/14

Left: 15.525+/-0.002 χ^2/NDF: 5689590.6/30

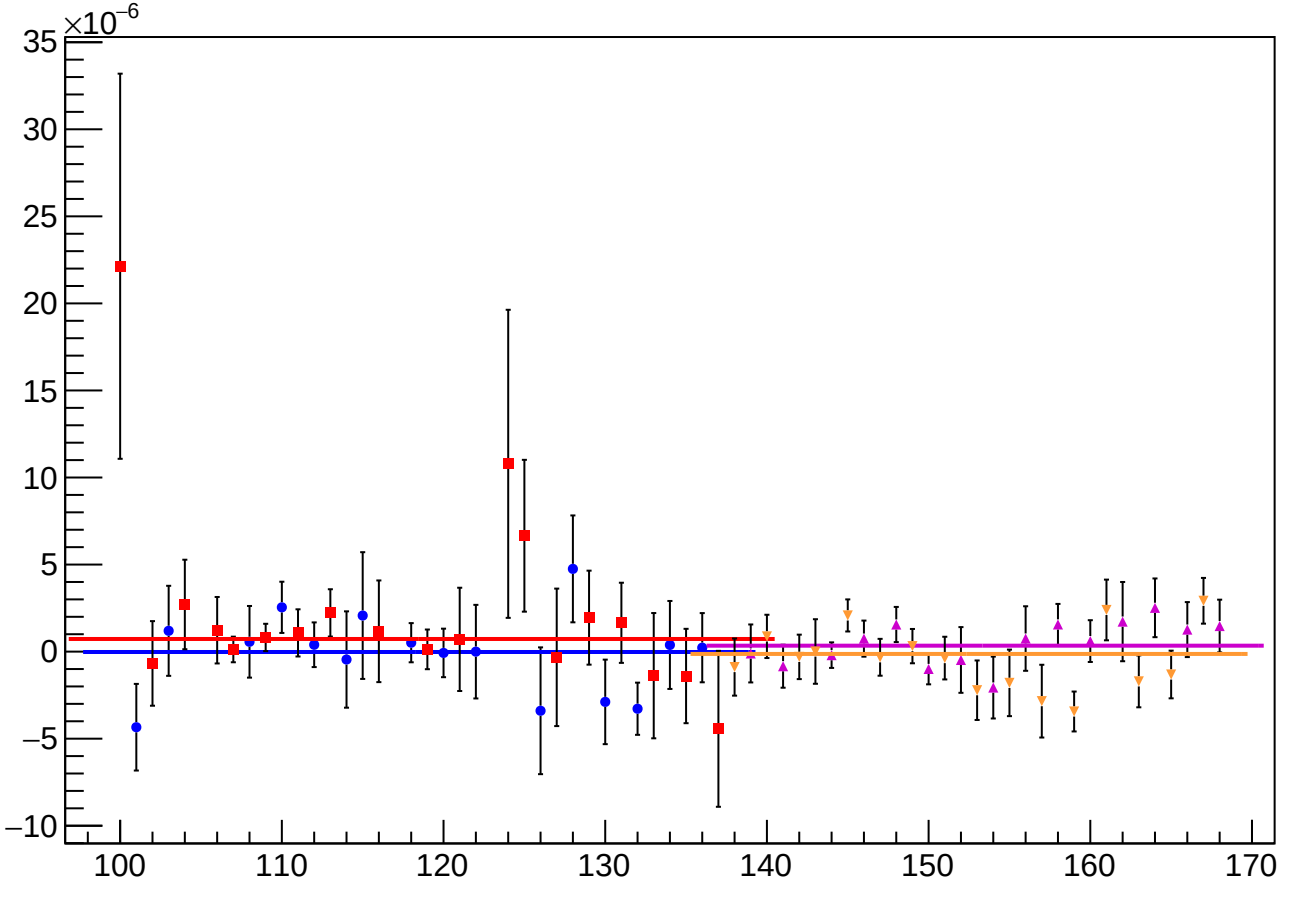
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.771+/-0.003 χ^2/NDF:3940913.1/30

Out: 16.991+/-0.003 χ^2/NDF:4322514.4/34

All: 16.344+/-0.002 χ^2/NDF: 8353020.6/65

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:28.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/14

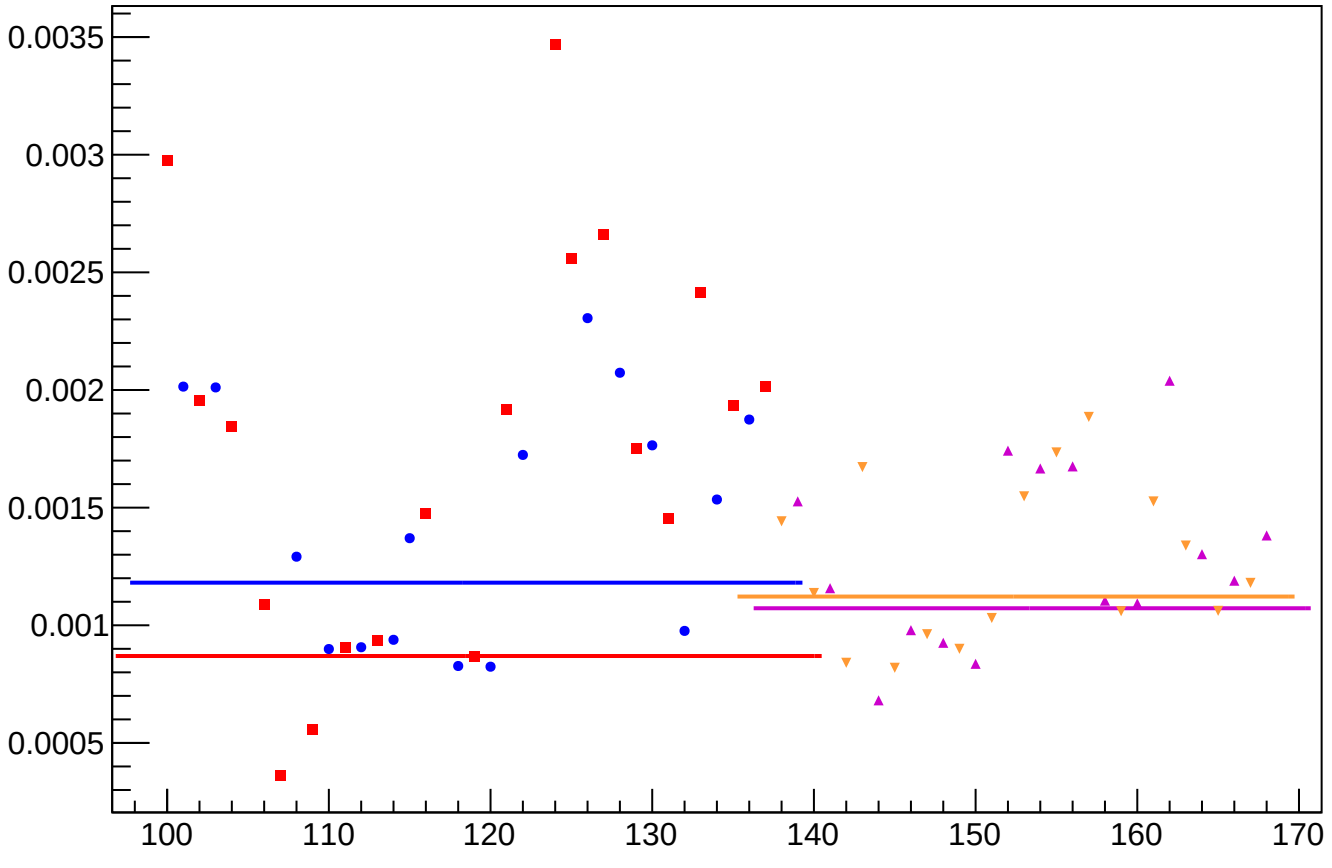
Left: 0.000+/-0.000 χ^2/NDF: 41.1/30

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:28.4/30

Out: 0.000+/-0.000 χ^2/NDF:44.3/34

All: 0.000+/-0.000 χ^2/NDF: 72.8/65



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1484561.2/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2110292.9/14

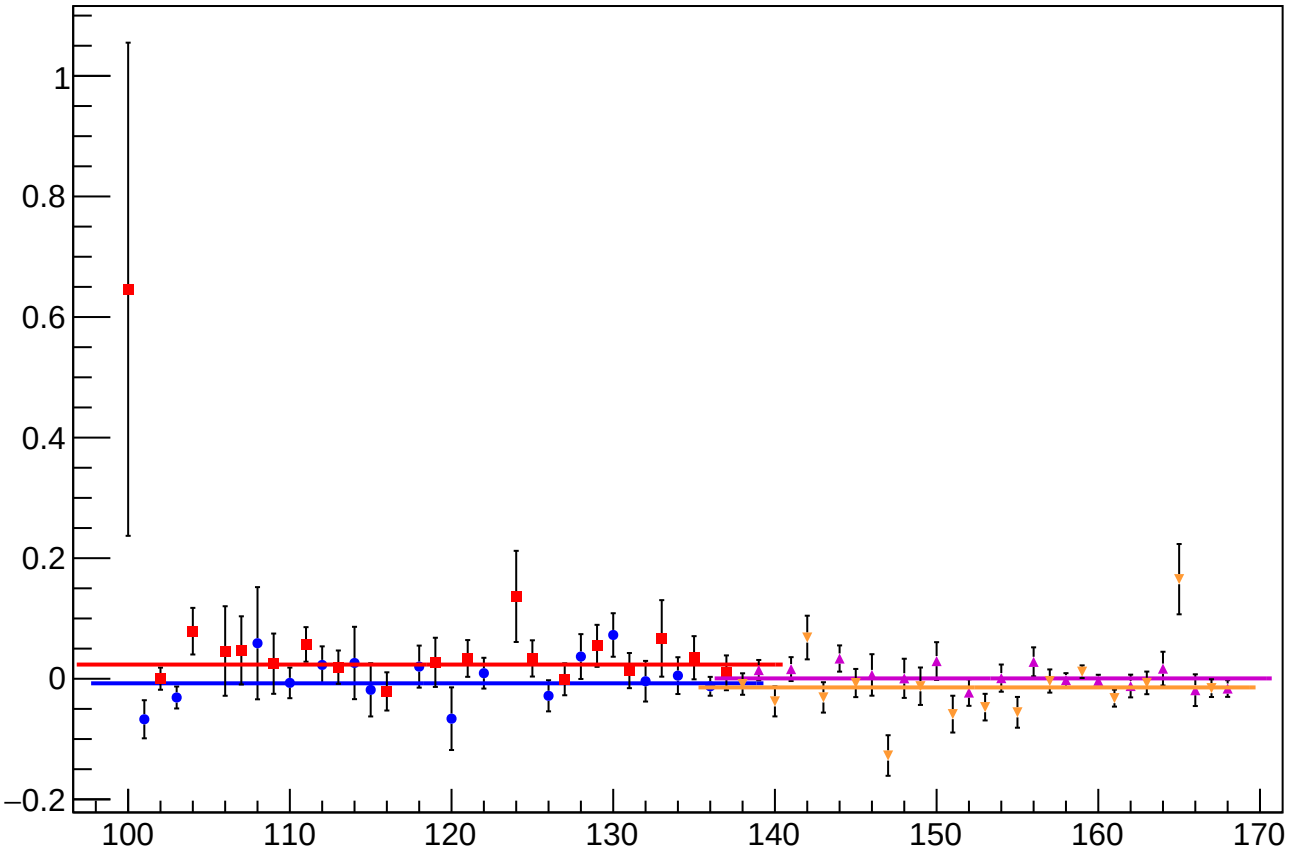
Left: 0.001+/-0.000 χ^2/NDF: 3618252.8/30

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4011102.9/30

Out: 0.001+/-0.000 χ^2/NDF:6422425.8/34

All: 0.001+/-0.000 χ^2/NDF: 10563115.3/65



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:9.9/14

Left: -0.006+/-0.003 χ^2/NDF: 57.3/30

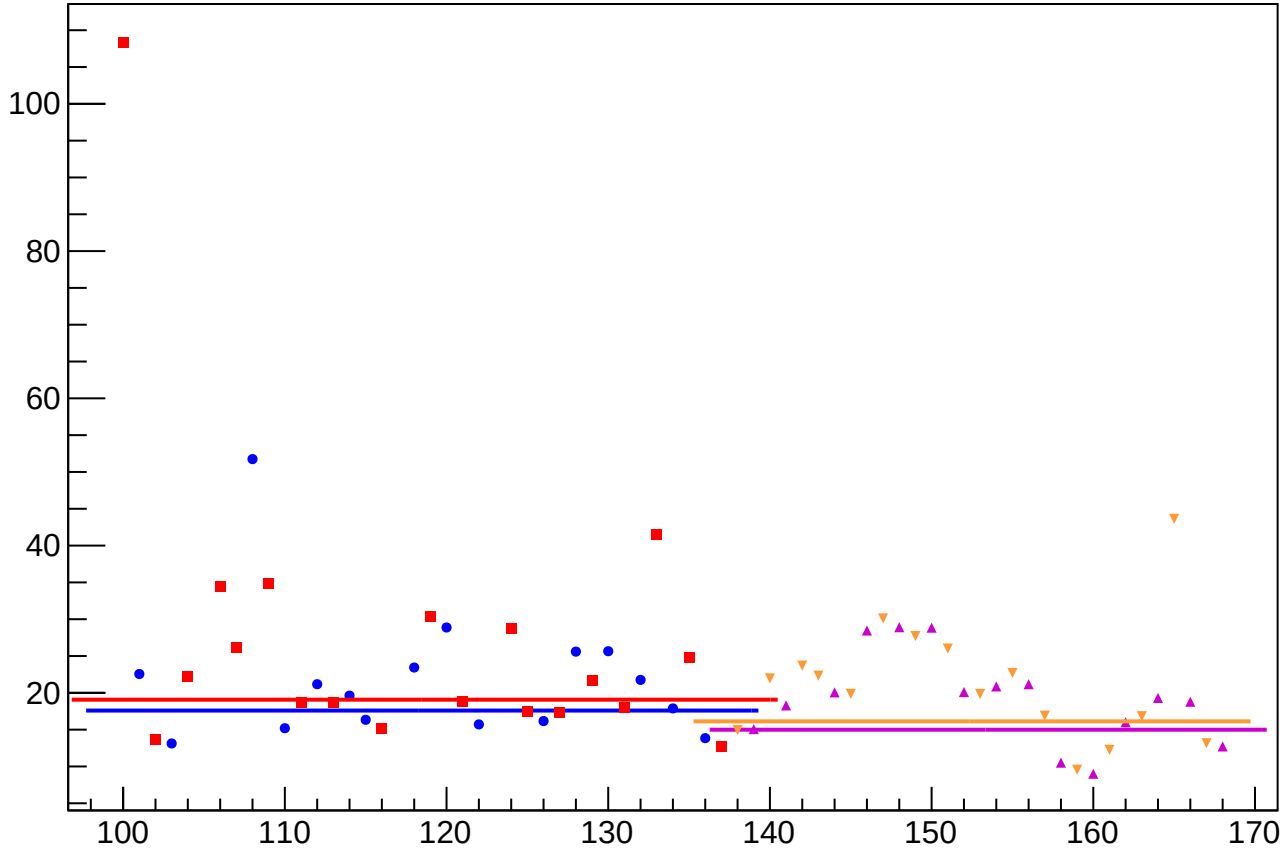
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:27.5/30

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.003+/-0.003 χ^2/NDF: 101.8/65

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: 16.125+/-0.004 χ^2/NDF:2870242.1/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.990+/-0.003 χ^2/NDF:2765390.6/14

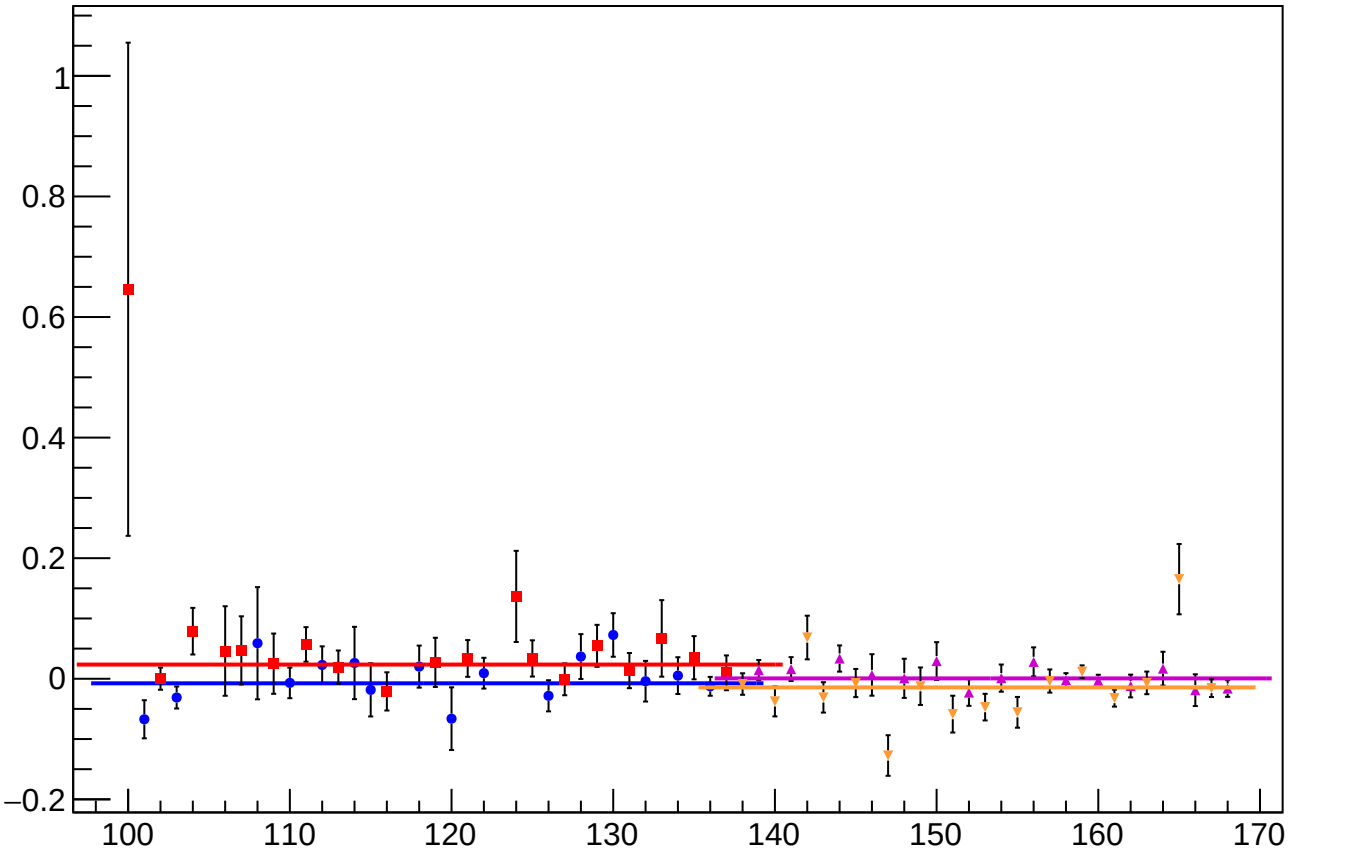
Left: 15.525+/-0.002 χ^2/NDF: 5690207.1/30

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.771+/-0.003 χ^2/NDF:3941329.4/30

Out: 16.991+/-0.003 χ^2/NDF:4322824.5/34

All: 16.343+/-0.002 χ^2/NDF: 8353764.9/65



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/15

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:9.9/14

Left: -0.006+/-0.003 χ^2/NDF: 57.3/30

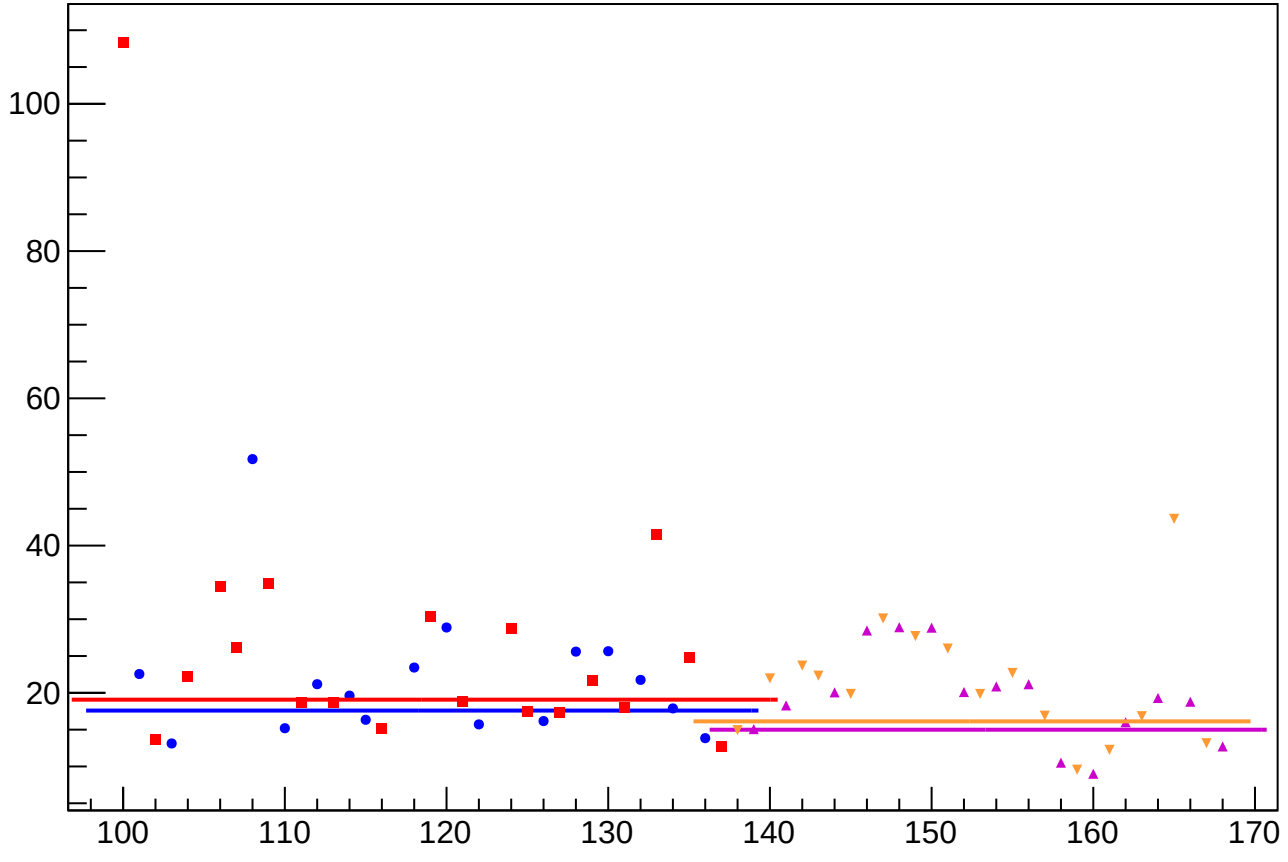
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:27.5/30

Out: -0.003+/-0.004 χ^2/NDF:74.2/34

All: -0.003+/-0.003 χ^2/NDF: 101.8/65

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: 16.125+/-0.004 χ^2/NDF:2870242.1/15

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.990+/-0.003 χ^2/NDF:2765390.6/14

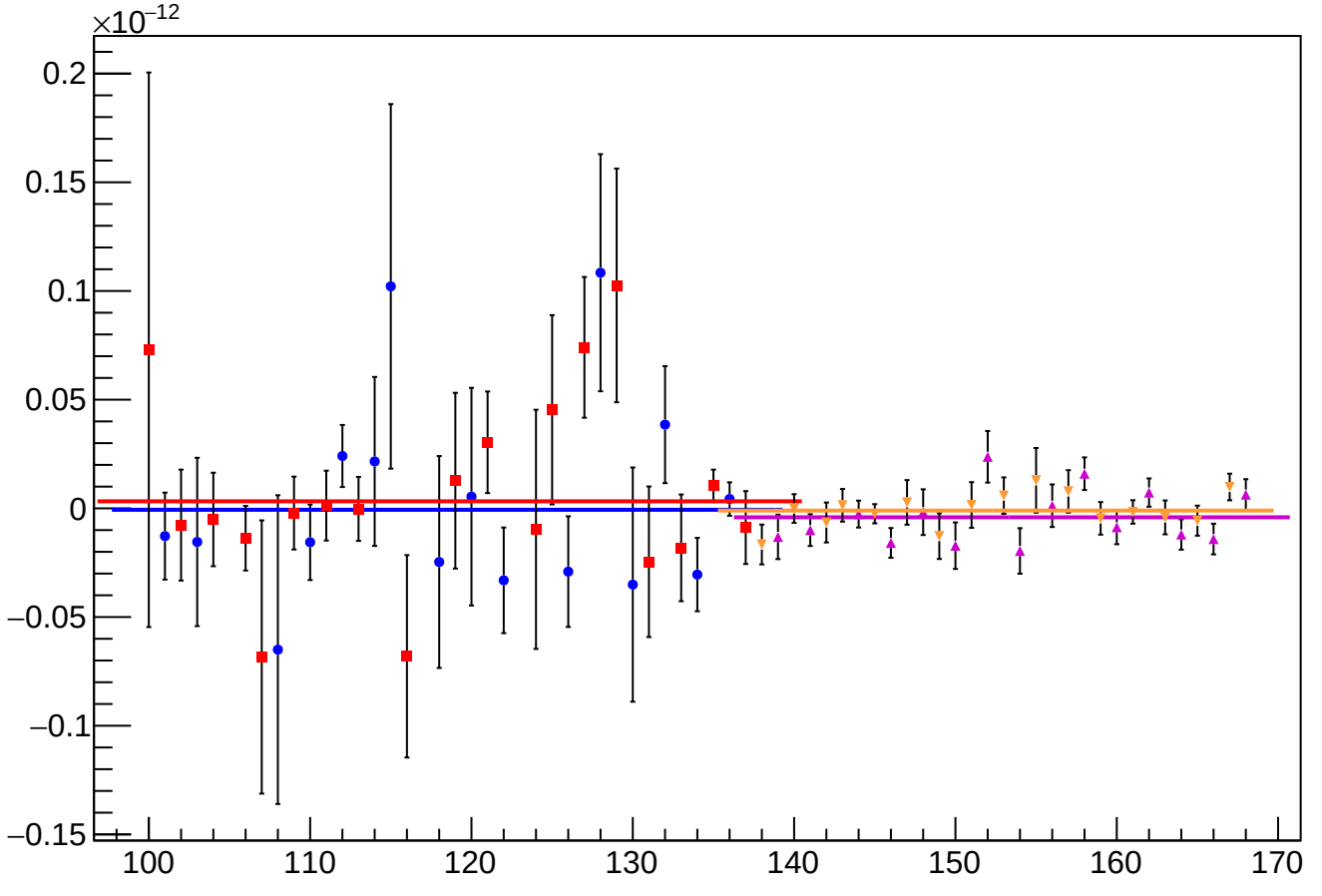
Left: 15.525+/-0.002 χ^2/NDF: 5690207.1/30

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.771+/-0.003 χ^2/NDF:3941329.4/30

Out: 16.991+/-0.003 χ^2/NDF:4322824.5/34

All: 16.343+/-0.002 χ^2/NDF: 8353764.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/14

Left: -0.000+/-0.000 χ^2/NDF: 42.5/30

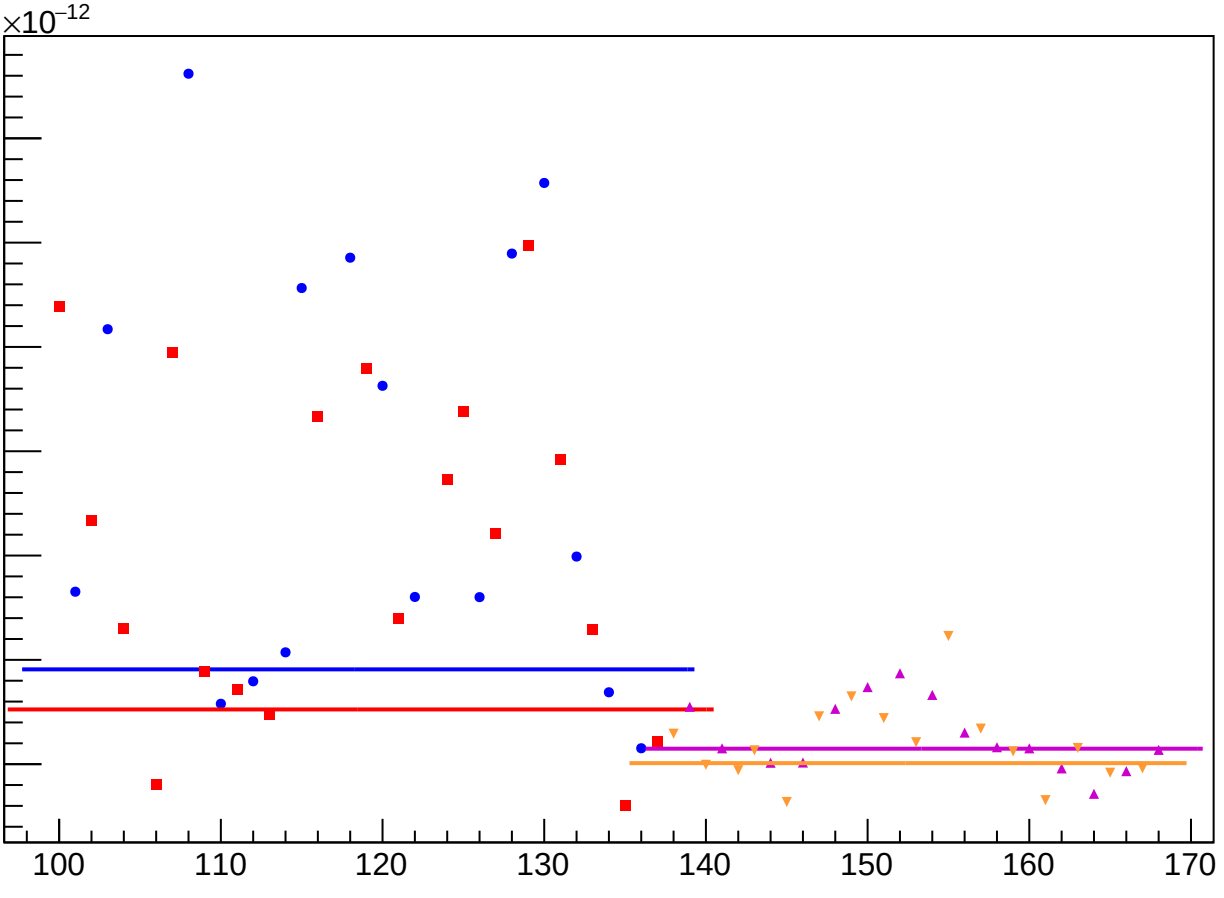
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:50.6/30

Out: -0.000+/-0.000 χ^2/NDF:31.3/34

All: -0.000+/-0.000 χ^2/NDF: 83.5/65

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1463571.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:939252.8/14

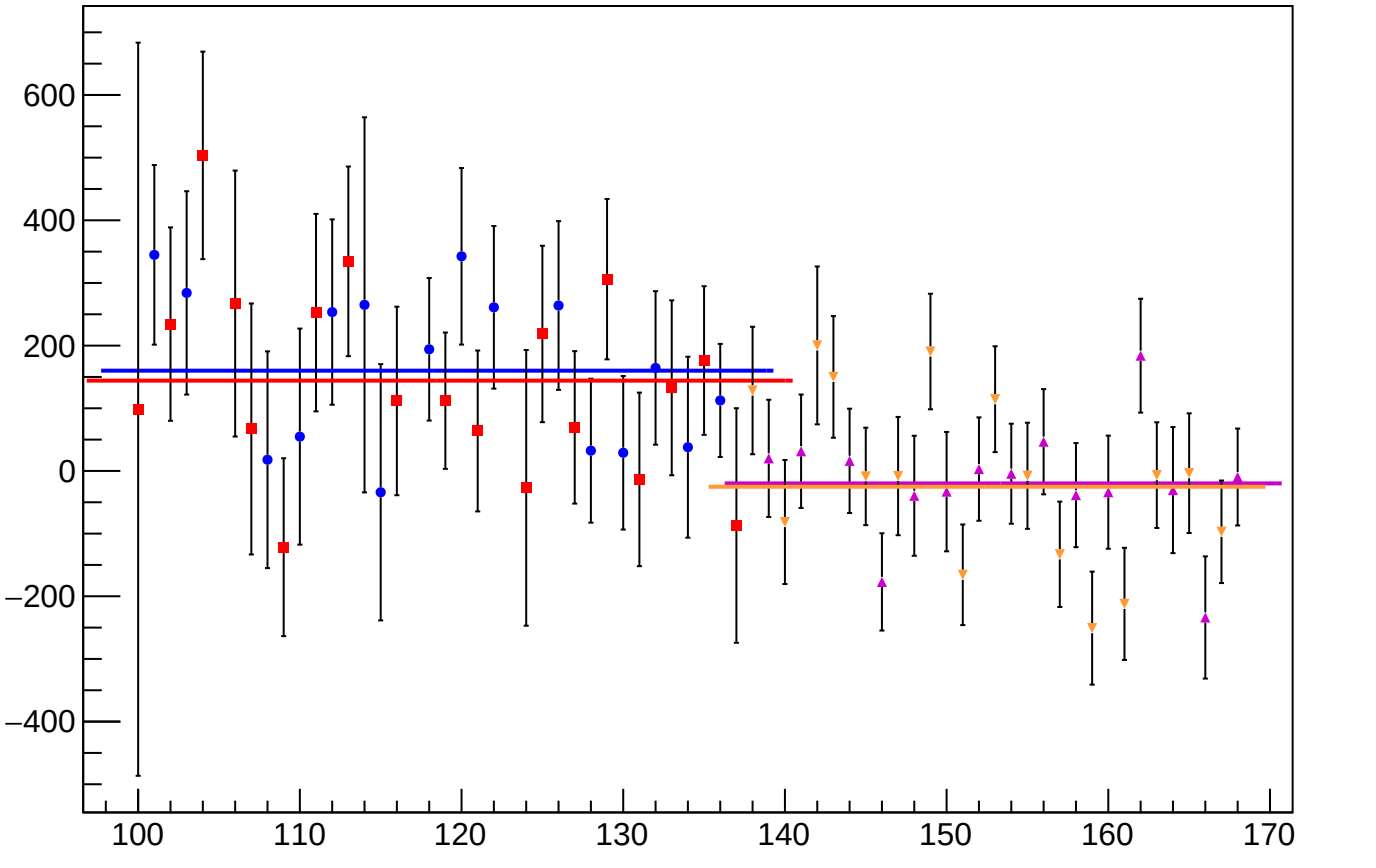
Left: 0.000+/-0.000 χ^2/NDF: 2528084.7/30

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:4540062.1/30

Out: 0.000+/-0.000 χ^2/NDF:5111637.3/34

All: 0.000+/-0.000 χ^2/NDF: 9871030.5/65



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.207+/-22.436 χ^2/NDF:33.6/15

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -19.894+/-22.521 χ^2/NDF:15.5/14

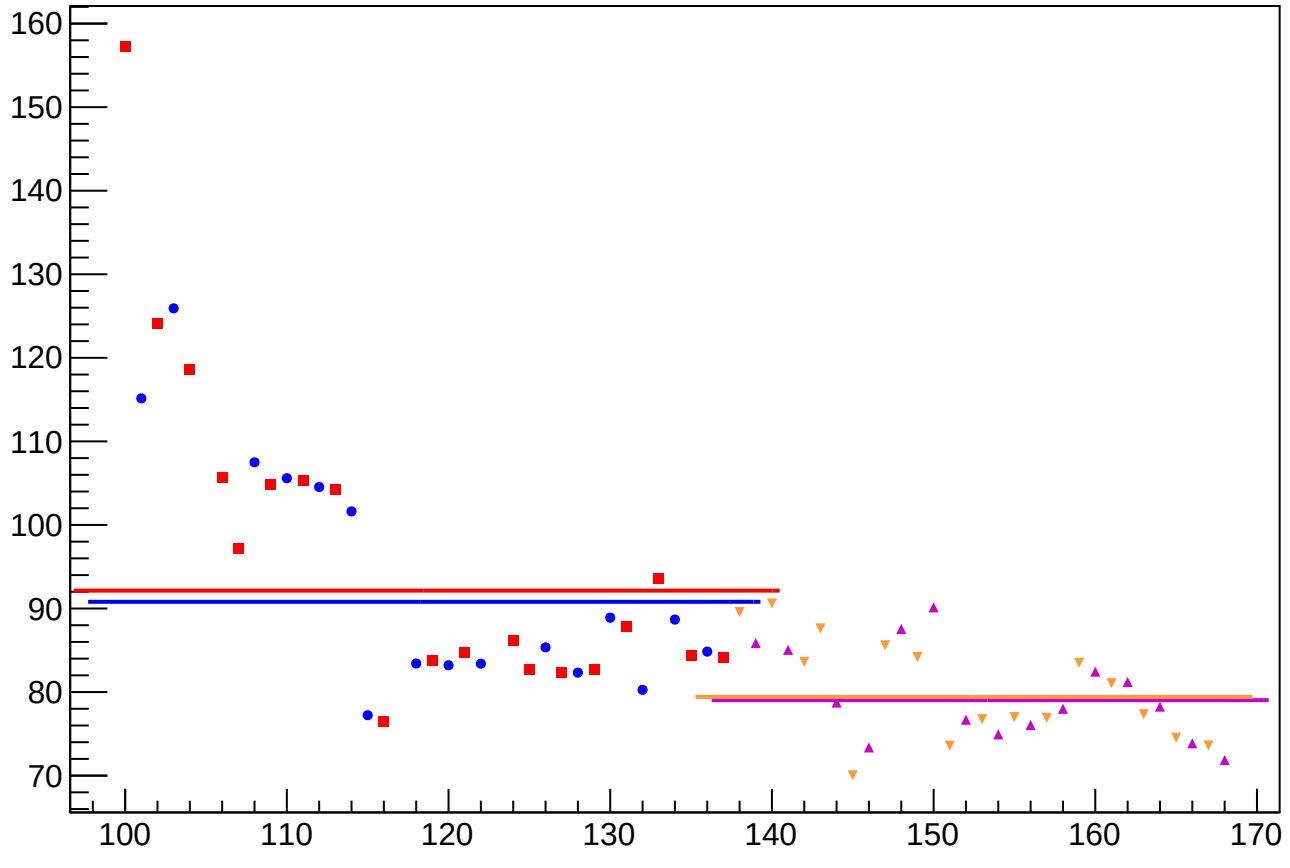
Left: -22.561+/-15.895 χ^2/NDF: 49.2/30

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 34.592+/-18.804 χ^2/NDF:45.9/30

Out: 25.711+/-18.762 χ^2/NDF:68.1/34

All: 30.142+/-13.281 χ^2/NDF: 114.2/65



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

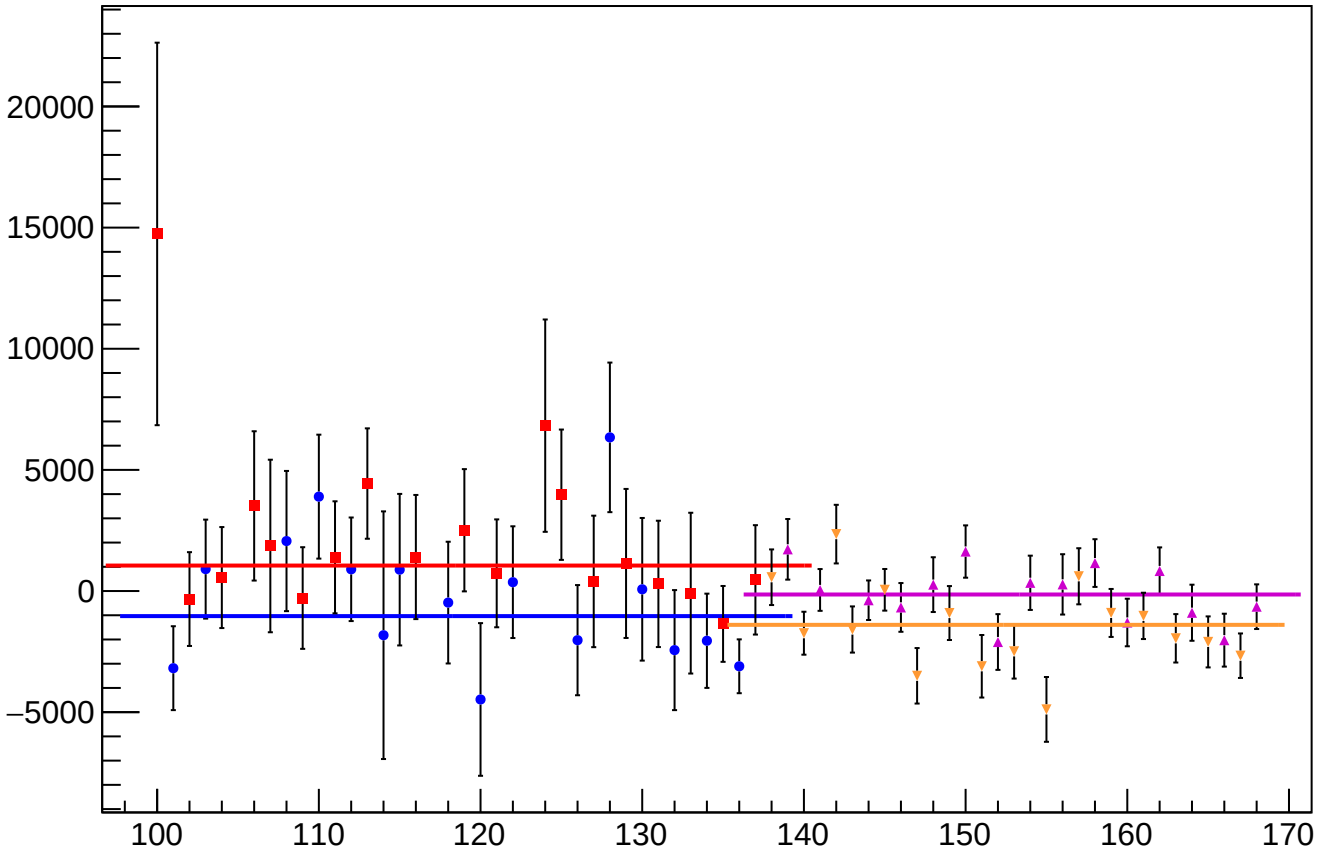
Left: 79.227+/-0.011 χ^2/NDF: 252302.8/30

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 82.597+/-0.013 χ^2/NDF:547984.2/30

Out: 83.246+/-0.013 χ^2/NDF:637554.0/34

All: 82.922+/-0.009 χ^2/NDF: 1186733.6/65



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1395.545+/-261.342 χ^2/NDF:34.7/15

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -143.093+/-265.404 χ^2/NDF:16.5/14

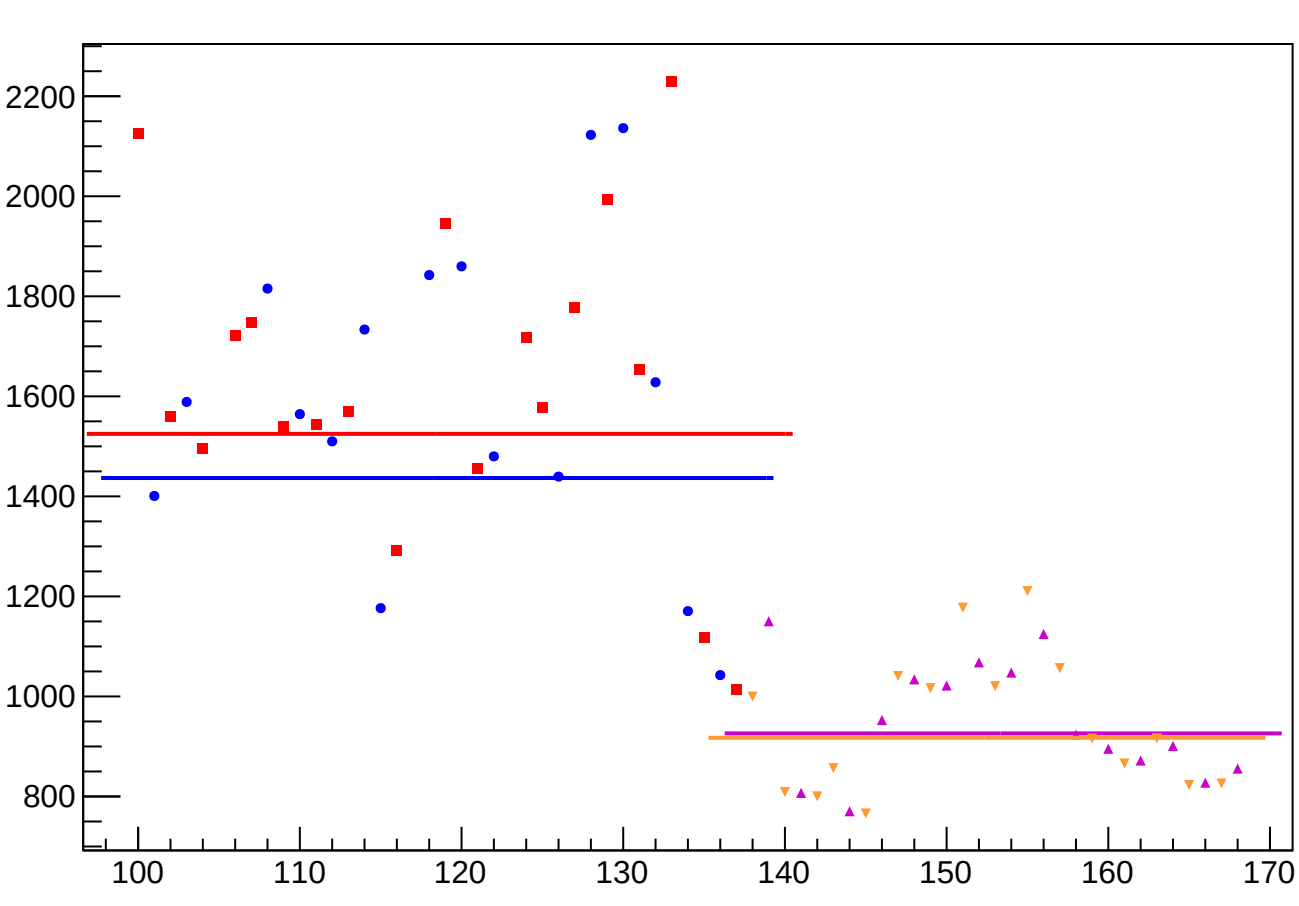
Left: -778.975+/-186.216 χ^2/NDF: 62.5/30

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -311.456+/-239.046 χ^2/NDF:38.9/30

Out: -969.168+/-237.485 χ^2/NDF:62.8/34

All: -642.466+/-168.477 χ^2/NDF: 105.5/65



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 917.334+/-0.185 χ^2/NDF:433359.0/15

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 926.119+/-0.188 χ^2/NDF:352499.9/14

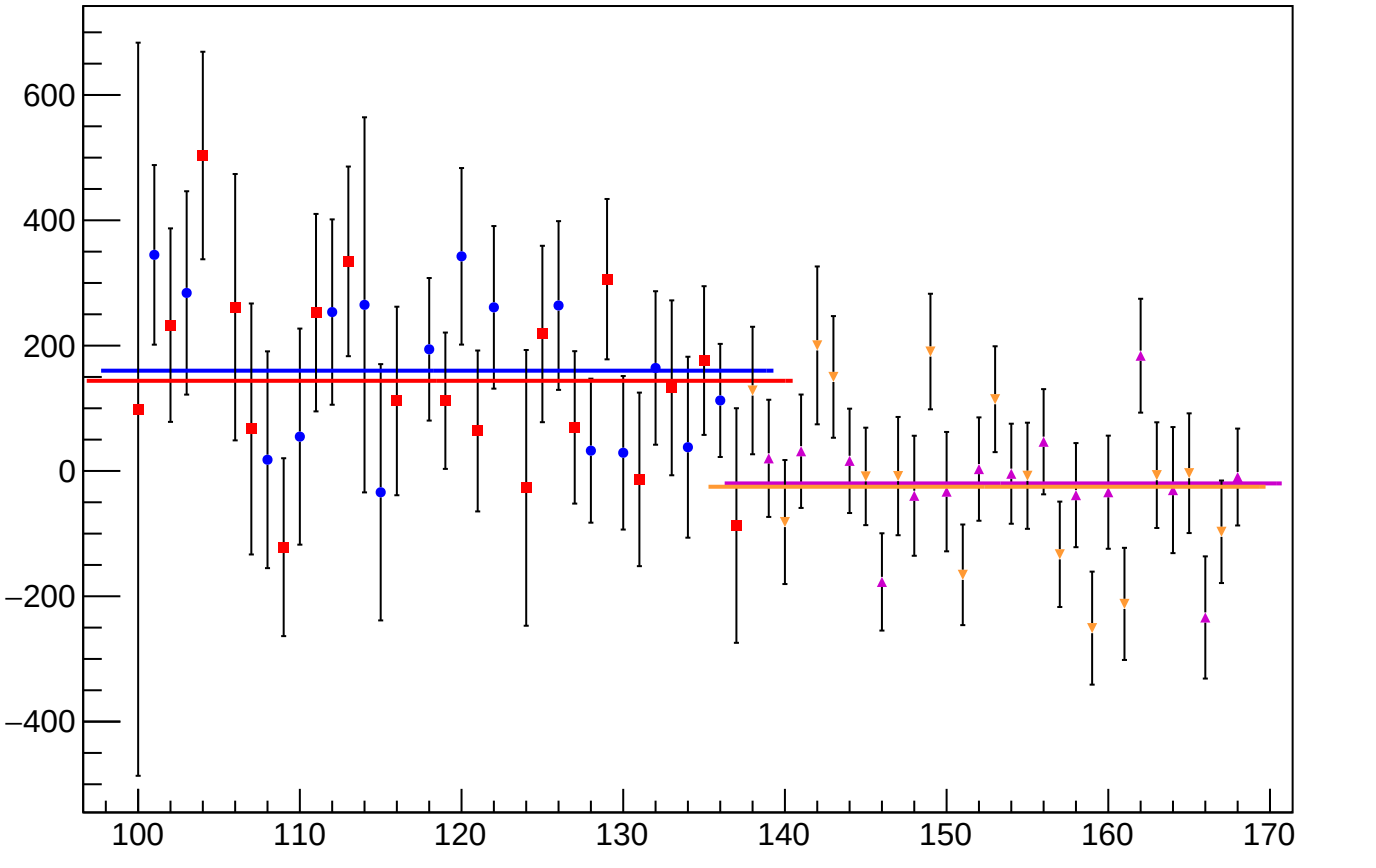
Left: 921.658+/-0.132 χ^2/NDF: 786971.4/30

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1022.503+/-0.169 χ^2/NDF:2425554.1/30

Out: 1023.206+/-0.168 χ^2/NDF:2821681.5/34

All: 1022.857+/-0.119 χ^2/NDF: 5247244.3/65



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.203+/-22.436 χ^2/NDF:33.6/15

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -19.894+/-22.521 χ^2/NDF:15.5/14

Left: -22.559+/-15.895 χ^2/NDF: 49.2/30

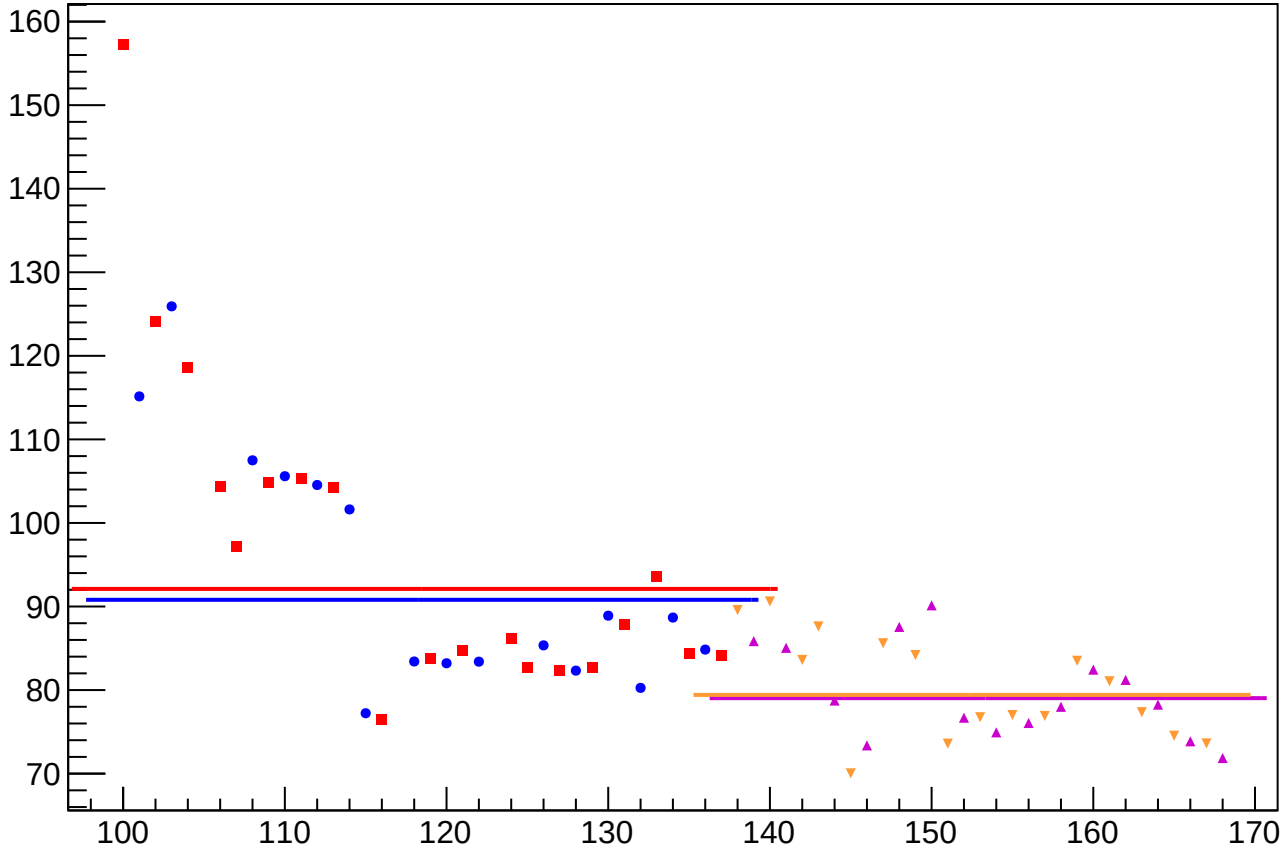
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 34.591+/-18.804 χ^2/NDF:45.9/30

Out: 25.633+/-18.762 χ^2/NDF:68.0/34

All: 30.102+/-13.282 χ^2/NDF: 114.1/65

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: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

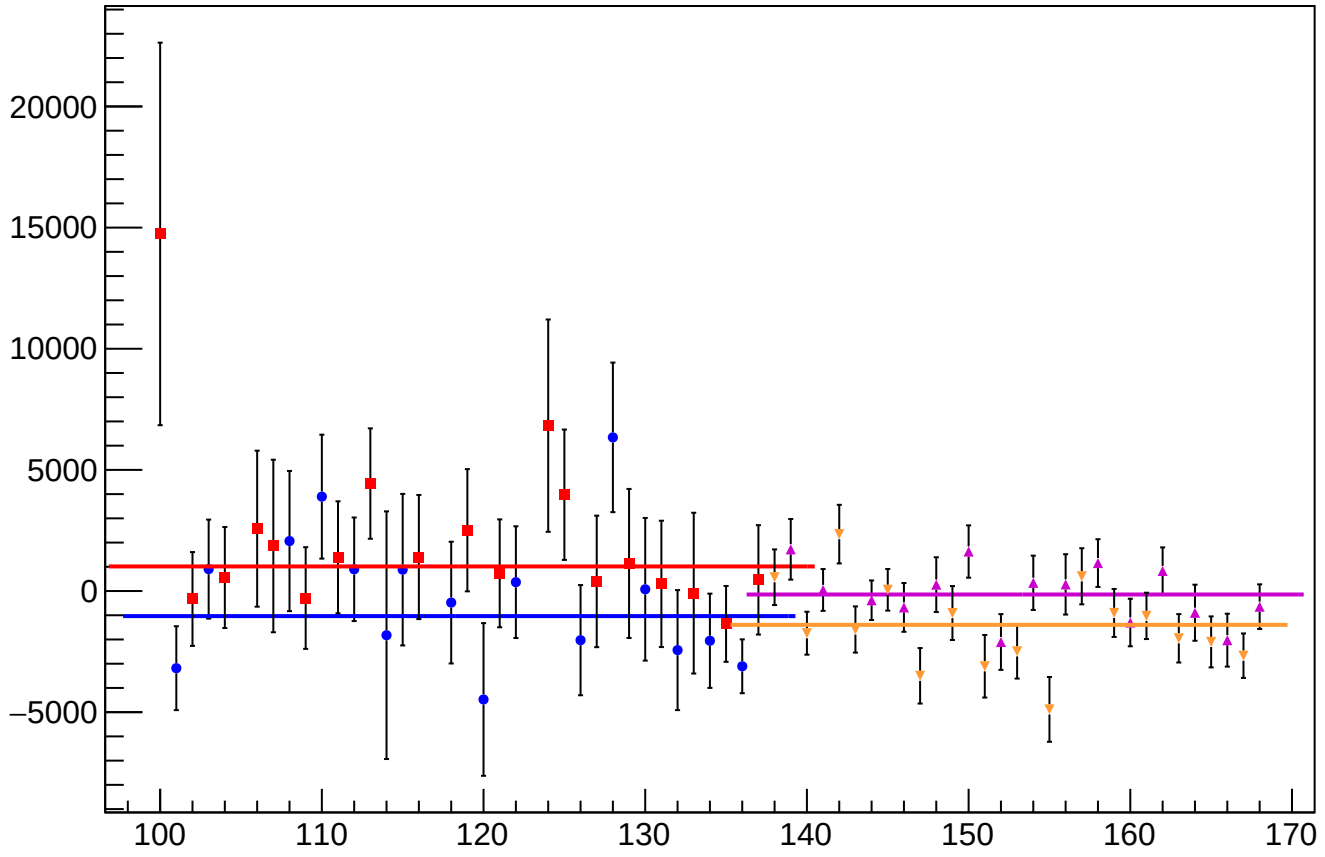
Left: 79.227+/-0.011 χ^2/NDF: 252302.8/30

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 82.597+/-0.013 χ^2/NDF:547986.2/30

Out: 83.236+/-0.013 χ^2/NDF:635268.6/34

All: 82.917+/-0.009 χ^2/NDF: 1184412.5/65



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1395.539+/-261.342 χ^2/NDF:34.7/15

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -143.090+/-265.404 χ^2/NDF:16.5/14

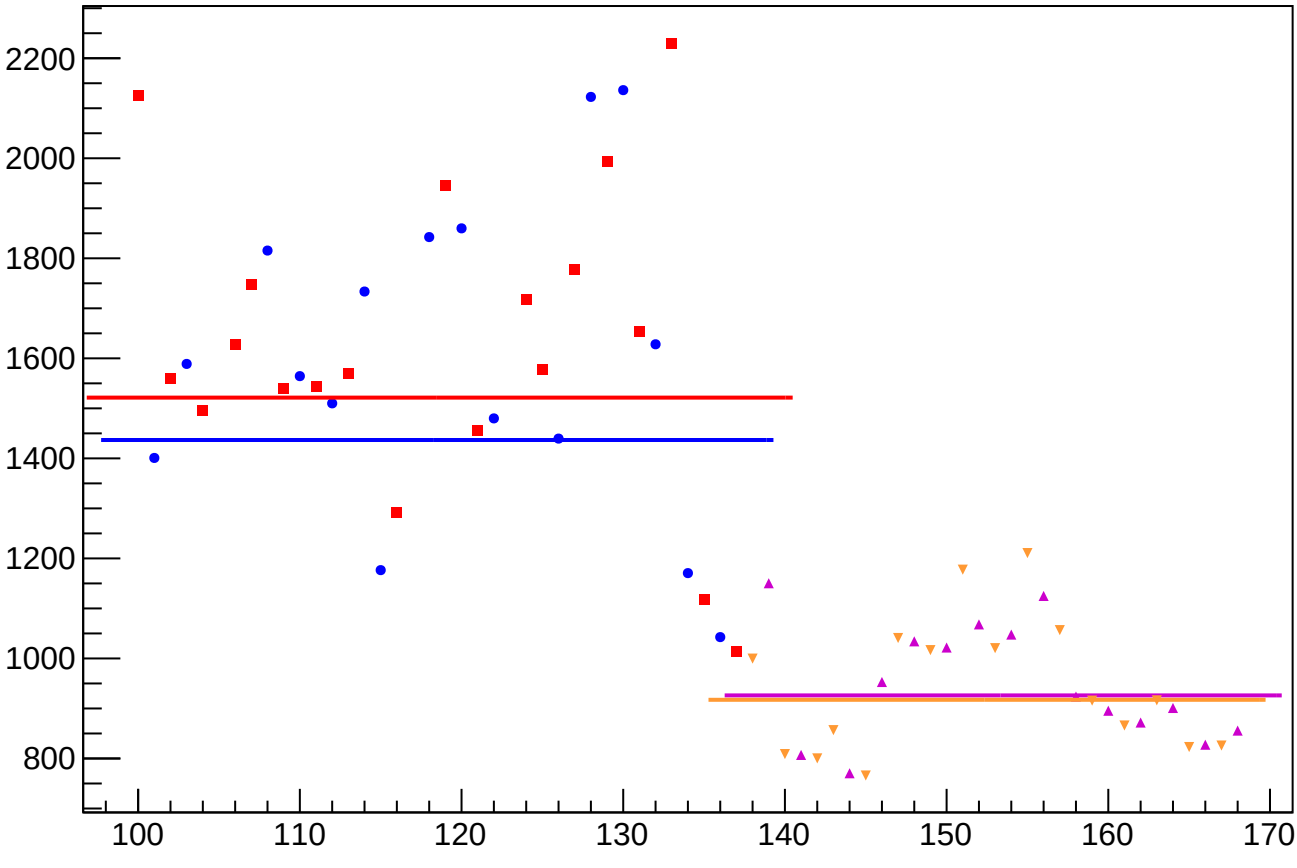
Left: -778.971+/-186.216 χ^2/NDF: 62.5/30

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -311.449+/-239.046 χ^2/NDF:38.9/30

Out: -976.479+/-237.546 χ^2/NDF:61.9/34

All: -646.057+/-168.498 χ^2/NDF: 104.7/65



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 926.119+/-0.188 χ^2/NDF:352499.6/14

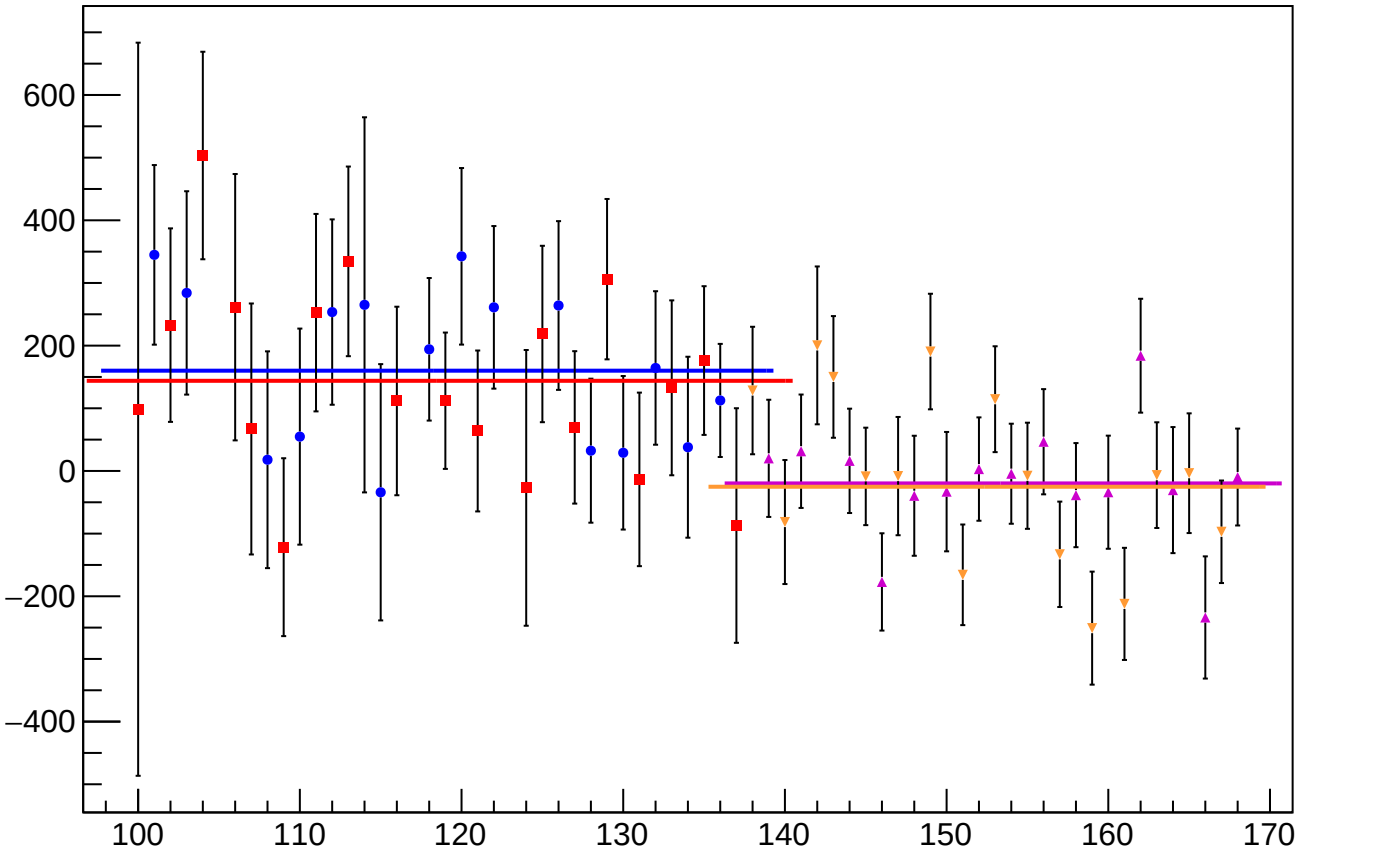
Left: 921.658+/-0.132 χ^2/NDF: 786972.3/30

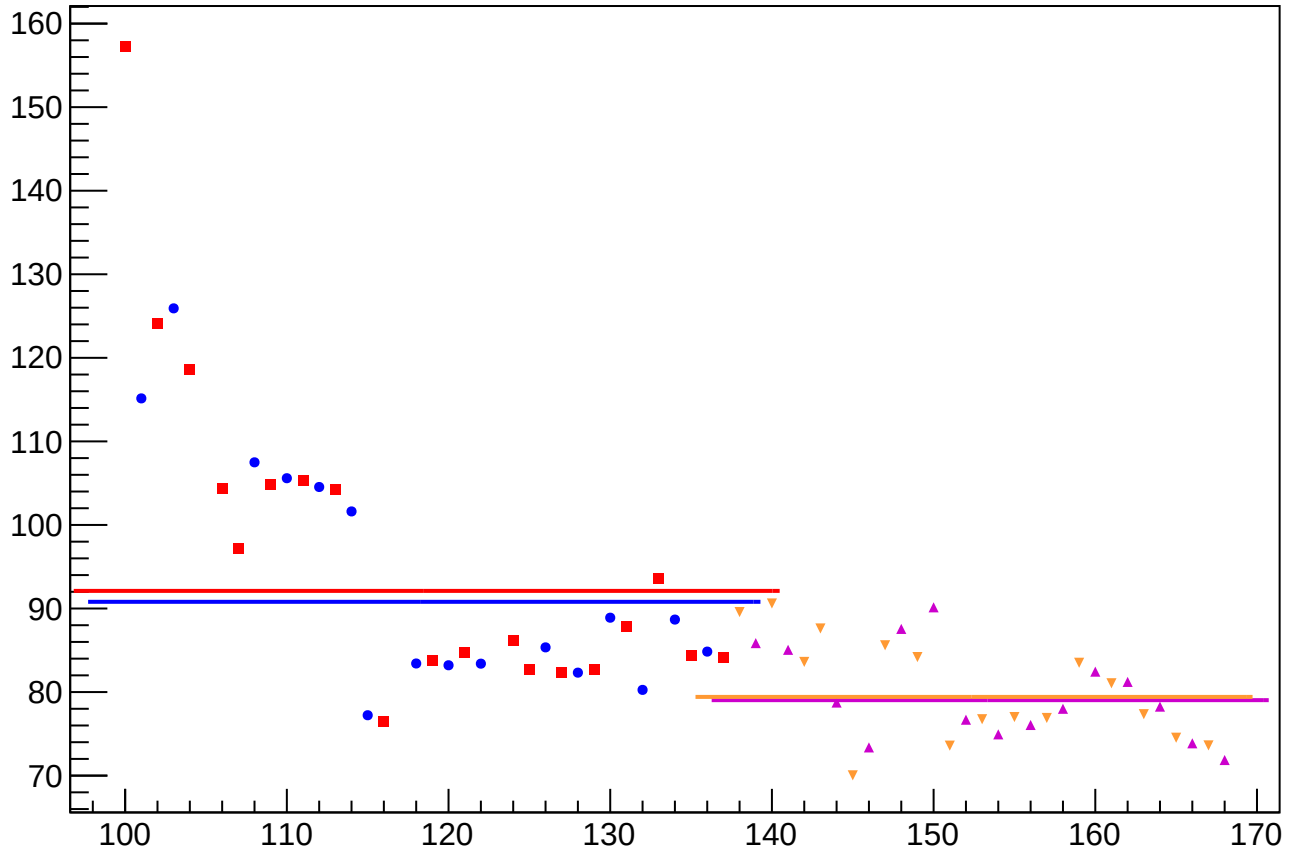
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1022.503+/-0.169 χ^2/NDF:2425573.8/30

Out: 1022.347+/-0.168 χ^2/NDF:2789573.7/34

All: 1022.425+/-0.119 χ^2/NDF: 5215148.0/65


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -25.203+/-22.436 χ²/NDF:33.6/15
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -19.894+/-22.521 χ²/NDF:15.5/14
Left: -22.559+/-15.895 χ²/NDF: 49.2/30
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 34.591+/-18.804 χ²/NDF:45.9/30
Out: 25.633+/-18.762 χ²/NDF:68.0/34
All: 30.102+/-13.282 χ²/NDF: 114.1/65



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.421+/-0.016 χ^2/NDF:142195.3/15

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.032+/-0.016 χ^2/NDF:109809.0/14

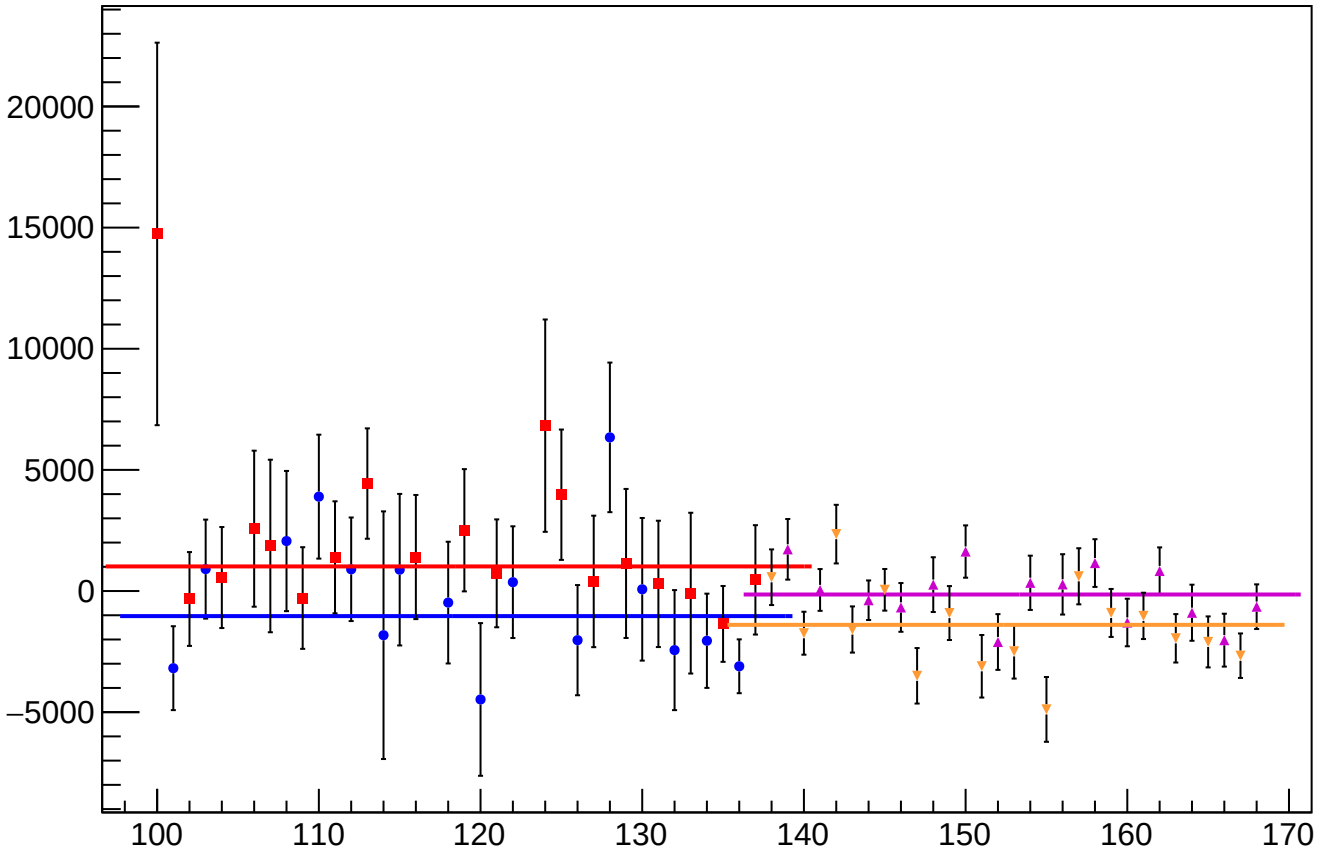
Left: 79.227+/-0.011 χ^2/NDF: 252302.8/30

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 82.597+/-0.013 χ^2/NDF:547986.2/30

Out: 83.236+/-0.013 χ^2/NDF:635268.6/34

All: 82.917+/-0.009 χ^2/NDF: 1184412.5/65



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1395.539+/-261.342 χ^2/NDF:34.7/15

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -143.090+/-265.404 χ^2/NDF:16.5/14

Left: -778.971+/-186.216 χ^2/NDF: 62.5/30

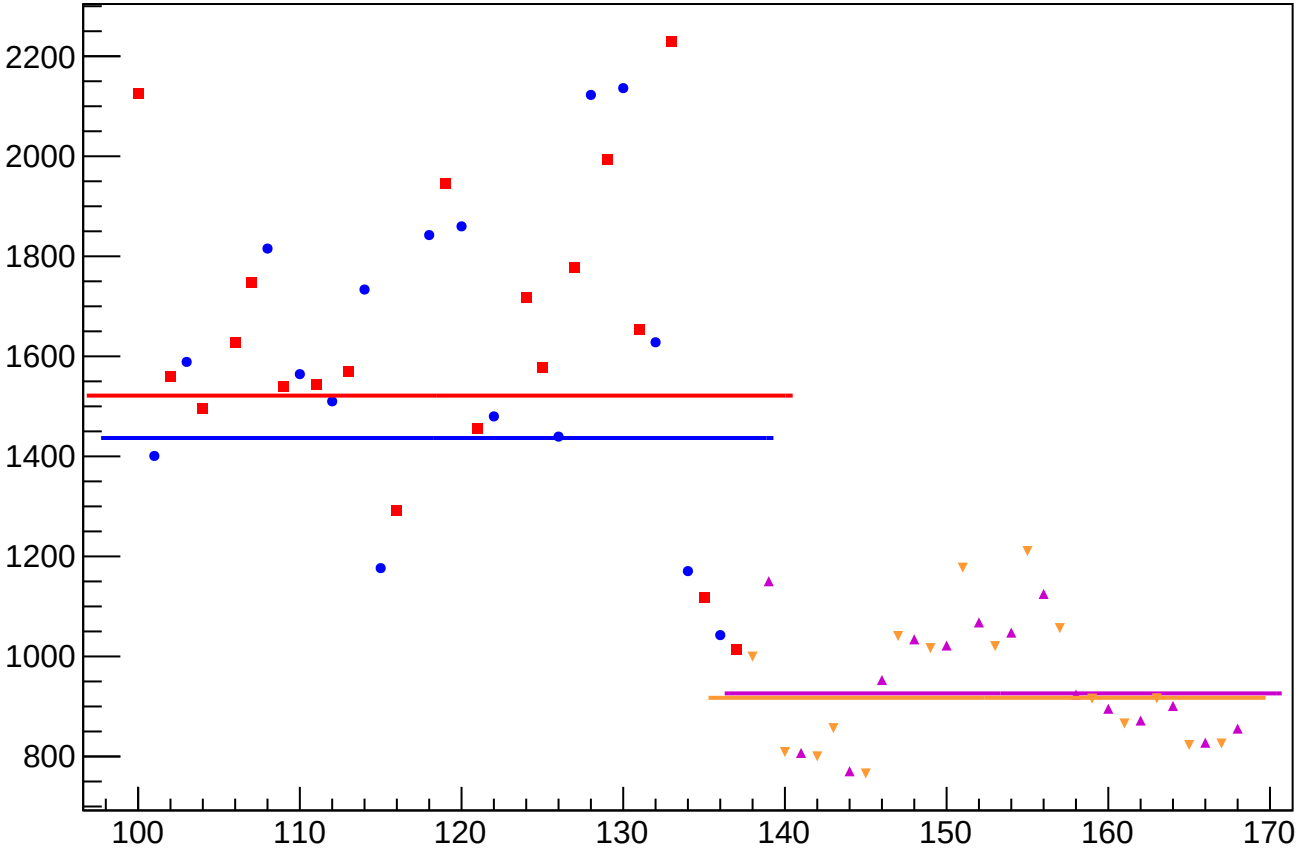
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -311.449+/-239.046 χ^2/NDF:38.9/30

Out: -976.479+/-237.546 χ^2/NDF:61.9/34

All: -646.057+/-168.498 χ^2/NDF: 104.7/65

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 917.334+/-0.185 χ^2/NDF:433360.1/15

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 926.119+/-0.188 χ^2/NDF:352499.6/14

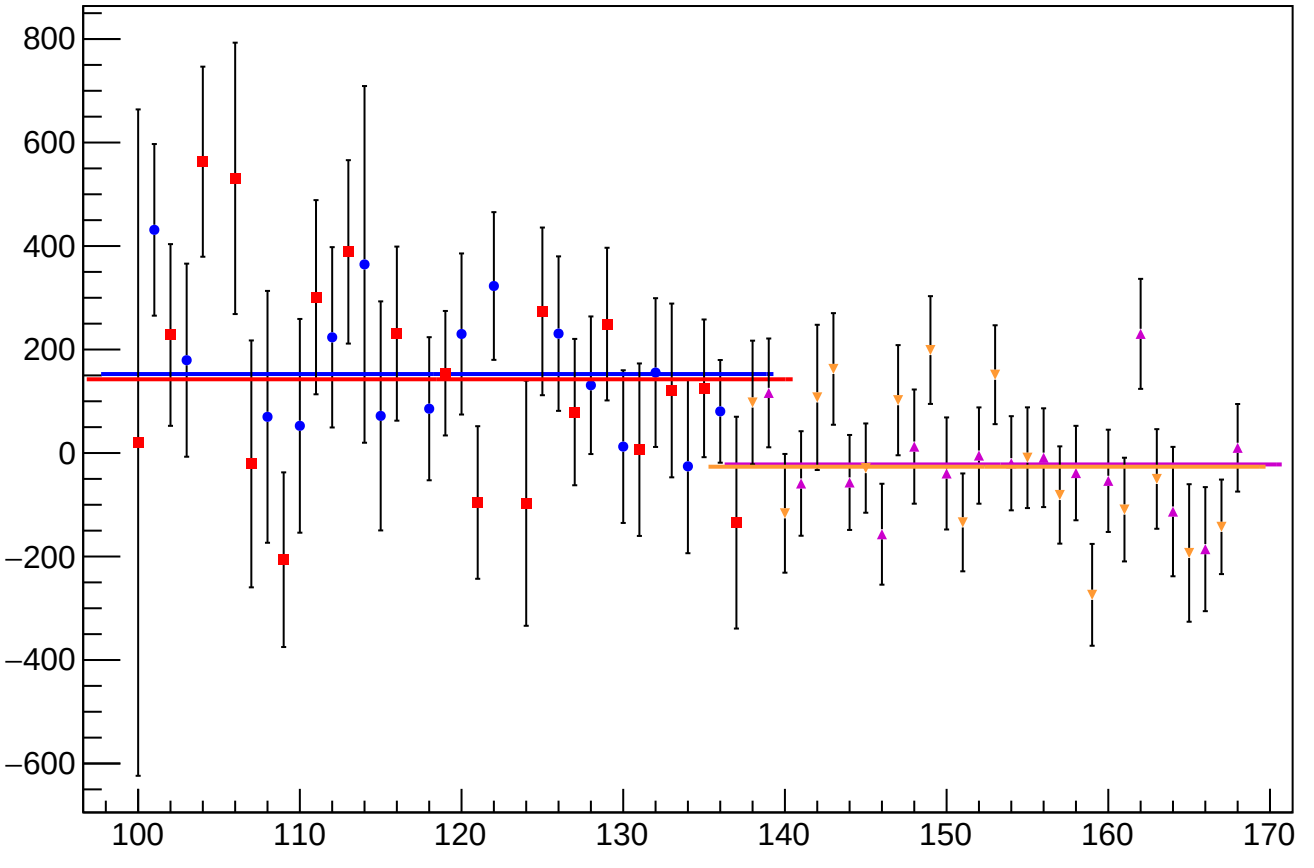
Left: 921.658+/-0.132 χ^2/NDF: 786972.3/30

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1022.503+/-0.169 χ^2/NDF:2425573.8/30

Out: 1022.347+/-0.168 χ^2/NDF:2789573.7/34

All: 1022.425+/-0.119 χ^2/NDF: 5215148.0/65



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -26.447+/-25.607 χ^2/NDF:27.2/15

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -22.072+/-25.734 χ^2/NDF:12.4/14

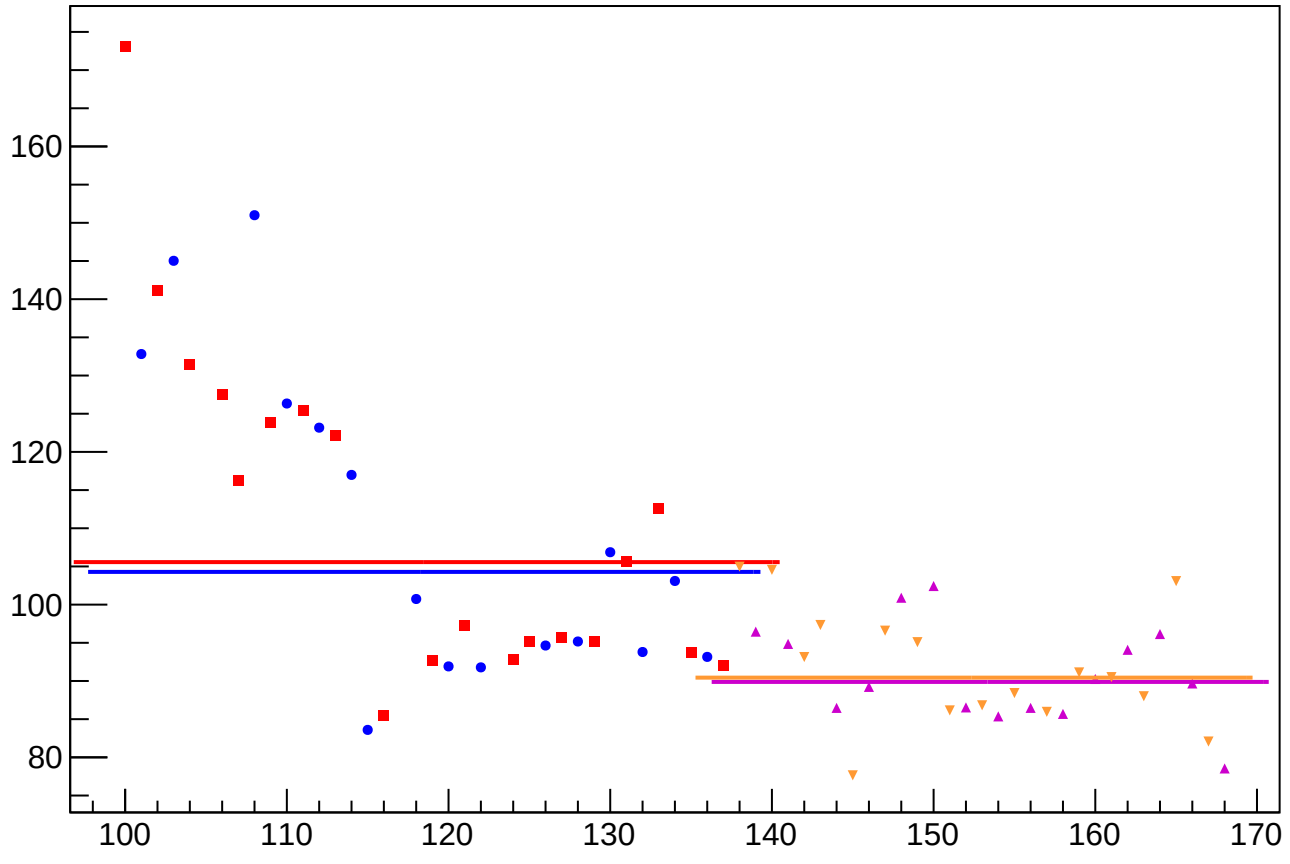
Left: -24.271+/-18.152 χ^2/NDF: 39.6/30

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.081+/-21.553 χ^2/NDF:34.8/30

Out: 23.831+/-21.461 χ^2/NDF:63.1/34

All: 26.943+/-15.208 χ^2/NDF: 97.9/65



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.439+/-0.018 χ^2/NDF:172064.8/15

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 89.878+/-0.018 χ^2/NDF:120713.9/14

Left: 90.160+/-0.013 χ^2/NDF: 293256.7/30

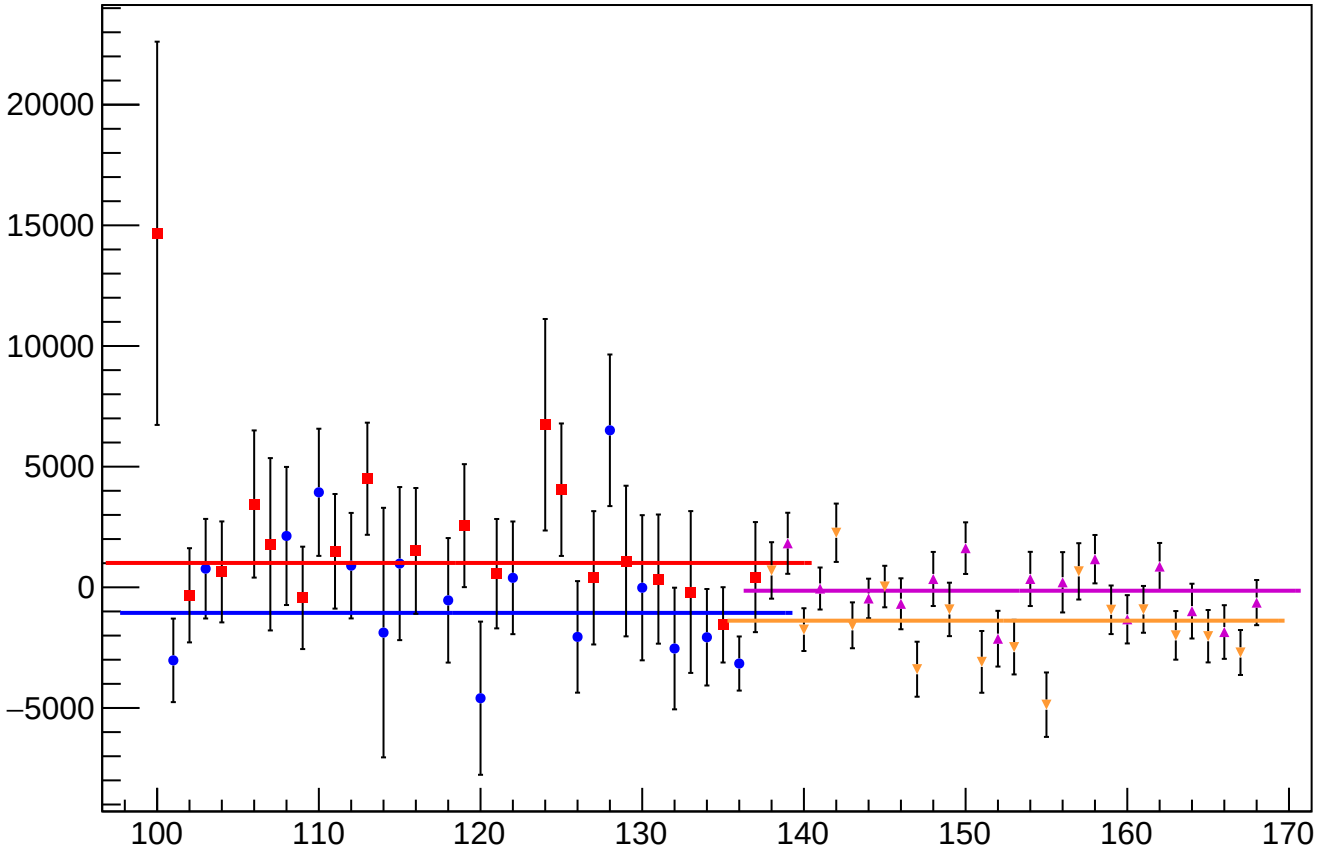
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 94.179+/-0.015 χ^2/NDF:686197.4/30

Out: 94.942+/-0.015 χ^2/NDF:724425.8/34

All: 94.562+/-0.011 χ^2/NDF: 1411879.6/65

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: -1382.301+/-263.033 χ^2/NDF:34.2/15

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -141.091+/-267.736 χ^2/NDF:16.3/14

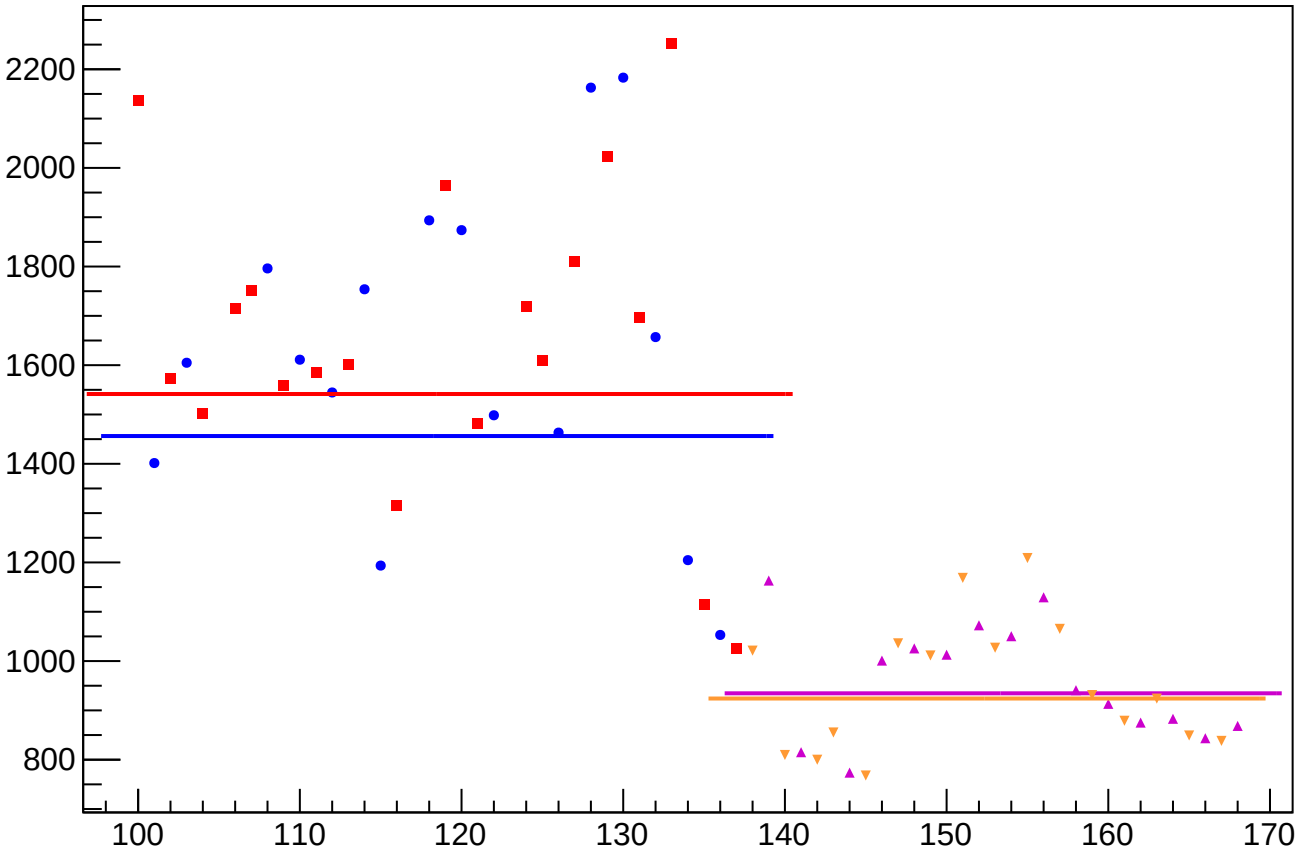
Left: -772.695+/-187.633 χ^2/NDF: 61.5/30

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -313.112+/-241.359 χ^2/NDF:38.6/30

Out: -968.455+/-239.201 χ^2/NDF:61.8/34

All: -643.727+/-169.899 χ^2/NDF: 104.1/65



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 924.060+/-0.186 χ^2/NDF:417234.5/15

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 934.632+/-0.189 χ^2/NDF:346012.3/14

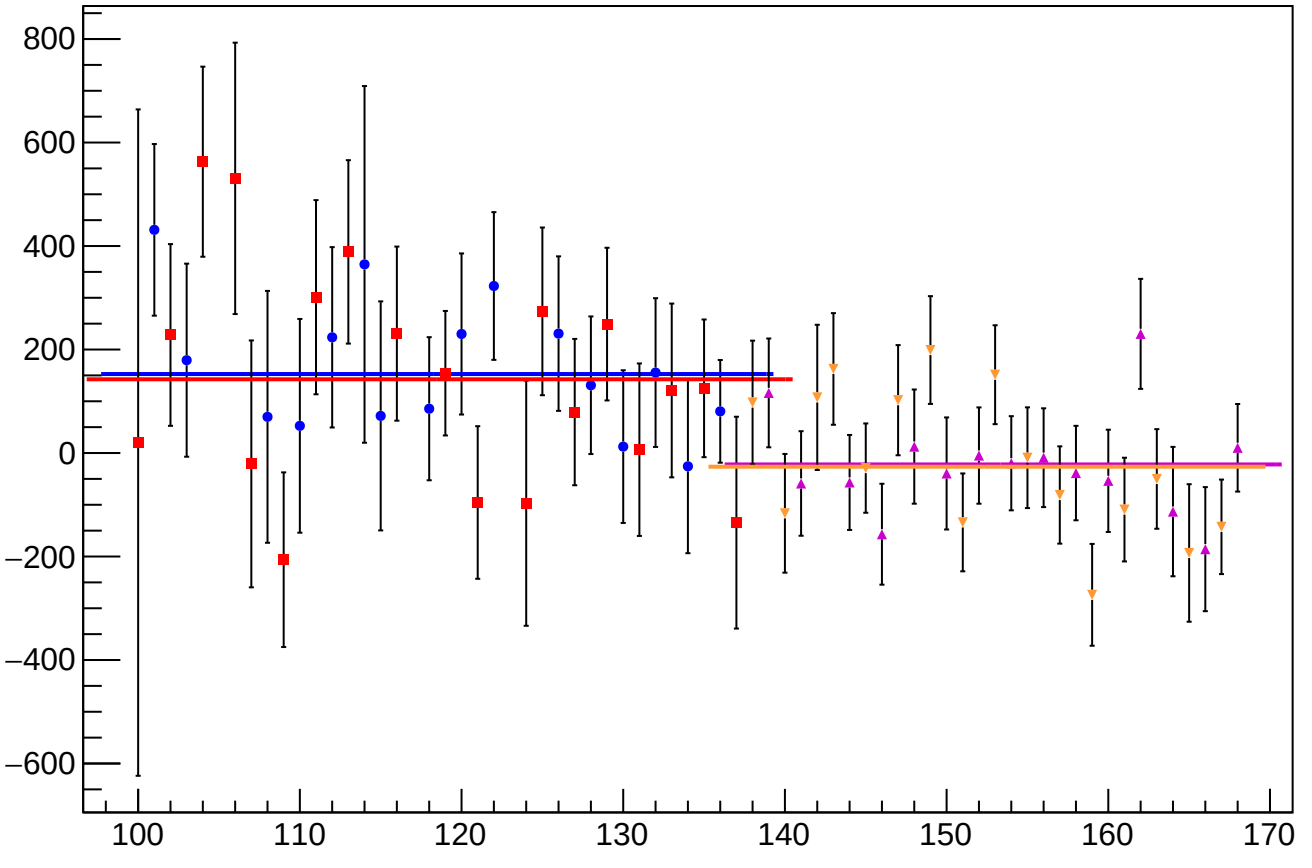
Left: 929.252+/-0.133 χ^2/NDF: 764833.3/30

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1032.357+/-0.171 χ^2/NDF:2453219.8/30

Out: 1030.880+/-0.169 χ^2/NDF:2843219.6/34

All: 1031.612+/-0.120 χ^2/NDF: 5296477.3/65



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -26.446+/-25.608 χ^2/NDF:27.2/15

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -22.073+/-25.734 χ^2/NDF:12.4/14

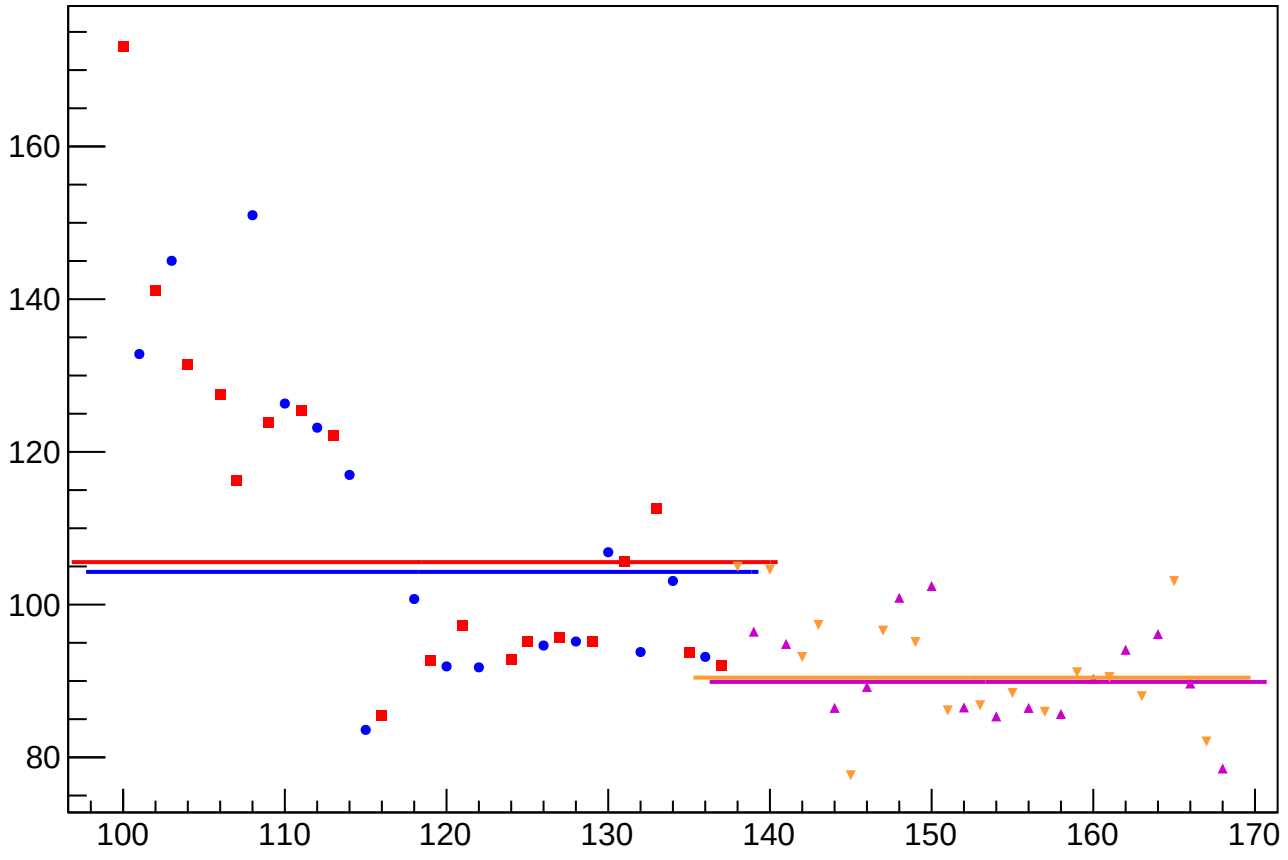
Left: -24.271+/-18.152 χ^2/NDF: 39.6/30

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.082+/-21.553 χ^2/NDF:34.8/30

Out: 23.832+/-21.461 χ^2/NDF:63.1/34

All: 26.943+/-15.208 χ^2/NDF: 97.9/65



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.439+/-0.018 χ^2/NDF:172062.4/15

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 89.878+/-0.018 χ^2/NDF:120714.8/14

Left: 90.160+/-0.013 χ^2/NDF: 293255.5/30

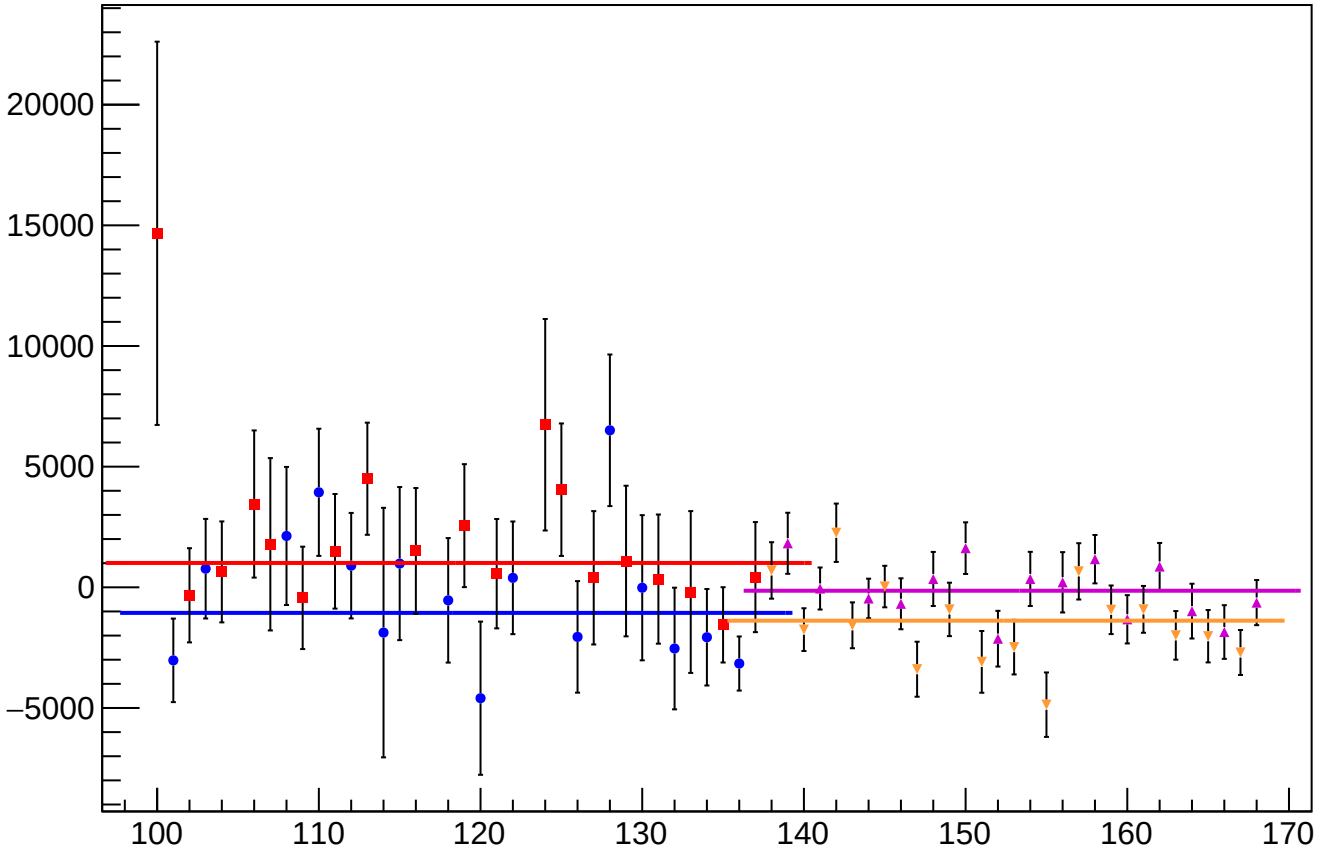
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 94.179+/-0.015 χ^2/NDF:686177.5/30

Out: 94.942+/-0.015 χ^2/NDF:724401.9/34

All: 94.562+/-0.011 χ^2/NDF: 1411836.4/65

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: -1382.299+/-263.032 χ^2/NDF:34.2/15

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -141.092+/-267.736 χ^2/NDF:16.3/14

Left: -772.695+/-187.633 χ^2/NDF: 61.5/30

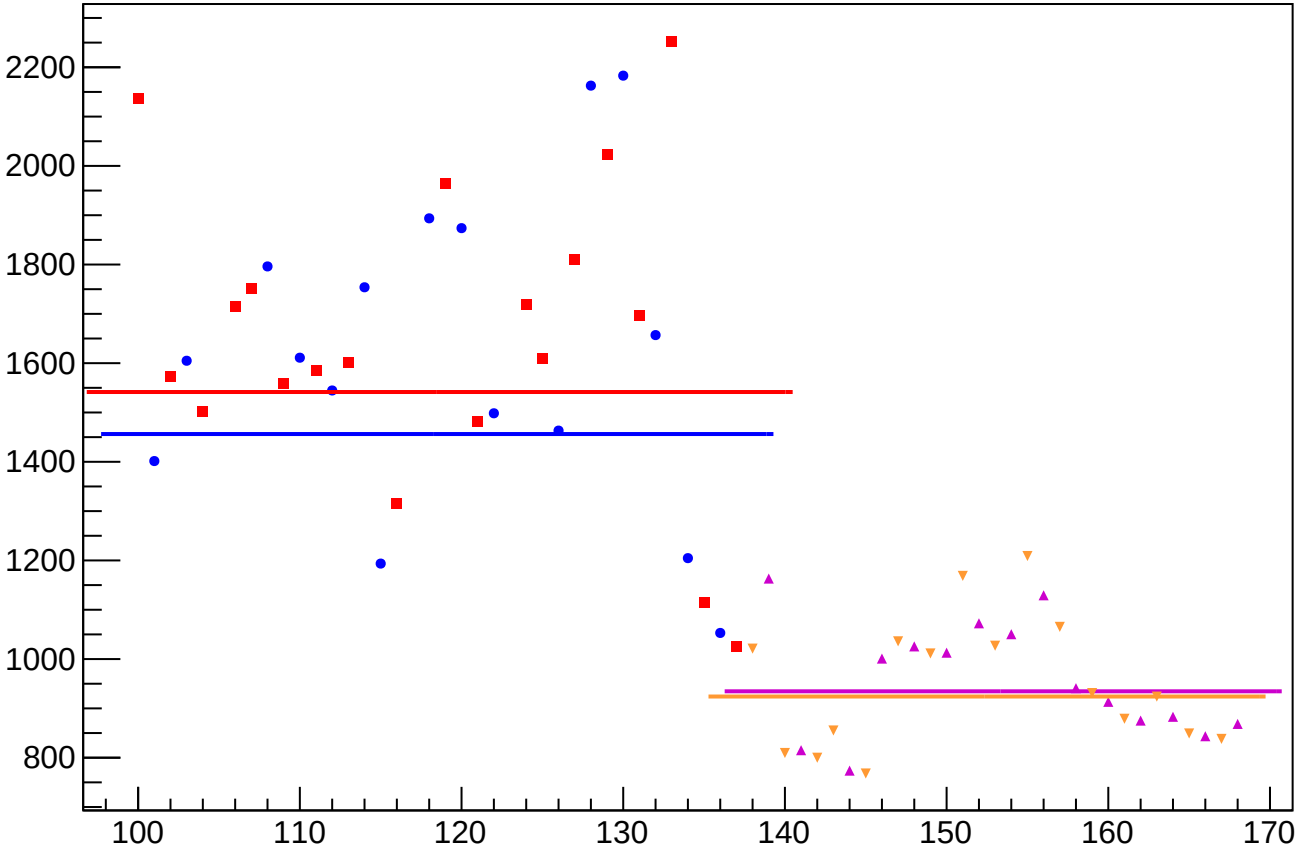
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -313.112+/-241.359 χ^2/NDF:38.6/30

Out: -968.453+/-239.201 χ^2/NDF:61.8/34

All: -643.726+/-169.898 χ^2/NDF: 104.1/65

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 924.059+/-0.186 χ^2/NDF:417238.0/15

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 934.631+/-0.189 χ^2/NDF:346014.0/14

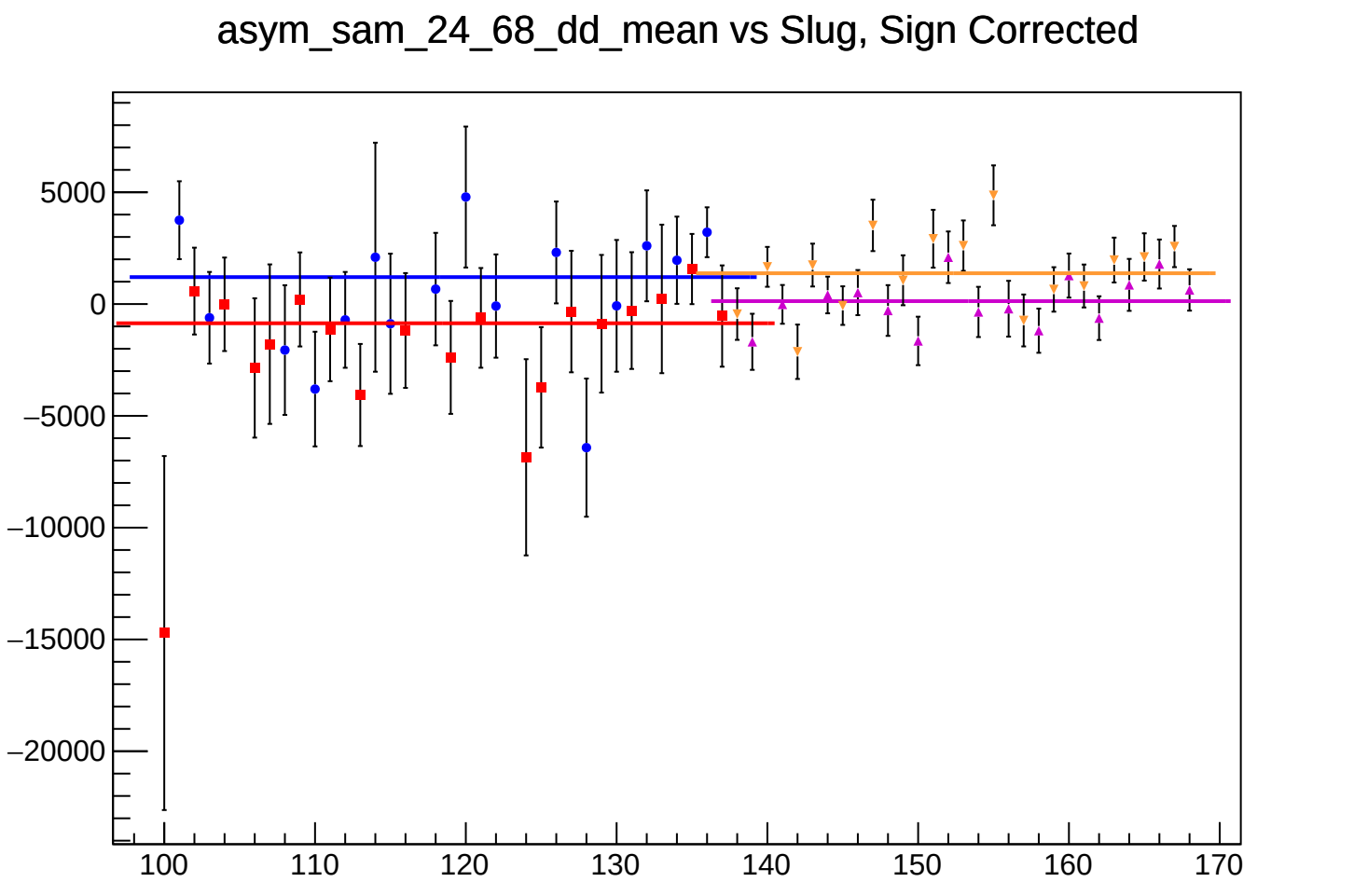
Left: 929.251+/-0.133 χ^2/NDF: 764838.5/30

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1032.356+/-0.171 χ^2/NDF:2453214.8/30

Out: 1030.879+/-0.169 χ^2/NDF:2843217.7/34

All: 1031.611+/-0.120 χ^2/NDF: 5296470.4/65



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1377.270+/-262.421 χ^2/NDF:33.5/15

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 130.415+/-266.447 χ^2/NDF:15.1/14

Left: 763.333+/-186.967 χ^2/NDF: 59.7/30

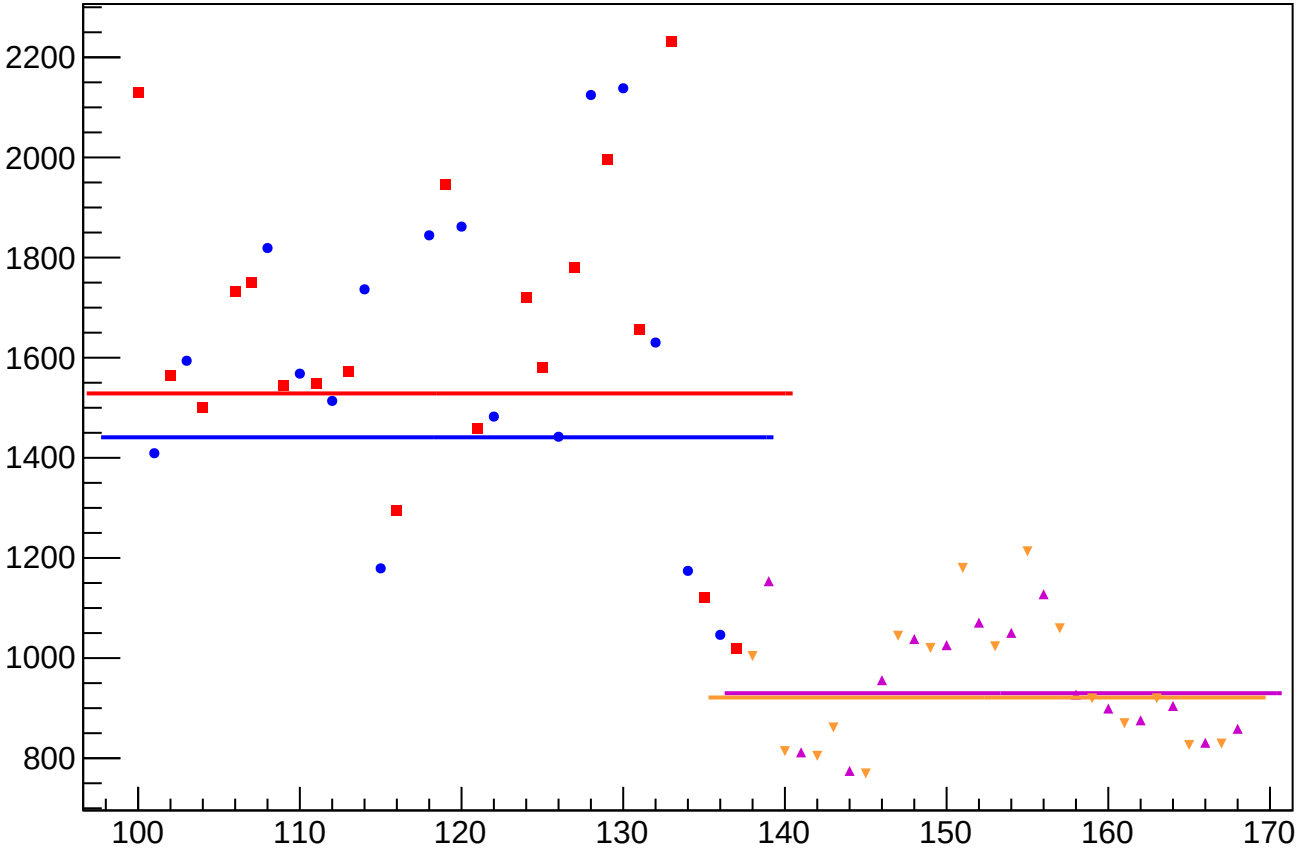
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 333.578+/-239.933 χ^2/NDF:39.3/30

Out: 986.564+/-238.401 χ^2/NDF:58.7/34

All: 662.163+/-169.114 χ^2/NDF: 101.7/65

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 921.276+/-0.186 χ^2/NDF:427498.9/15

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 929.878+/-0.188 χ^2/NDF:347624.6/14

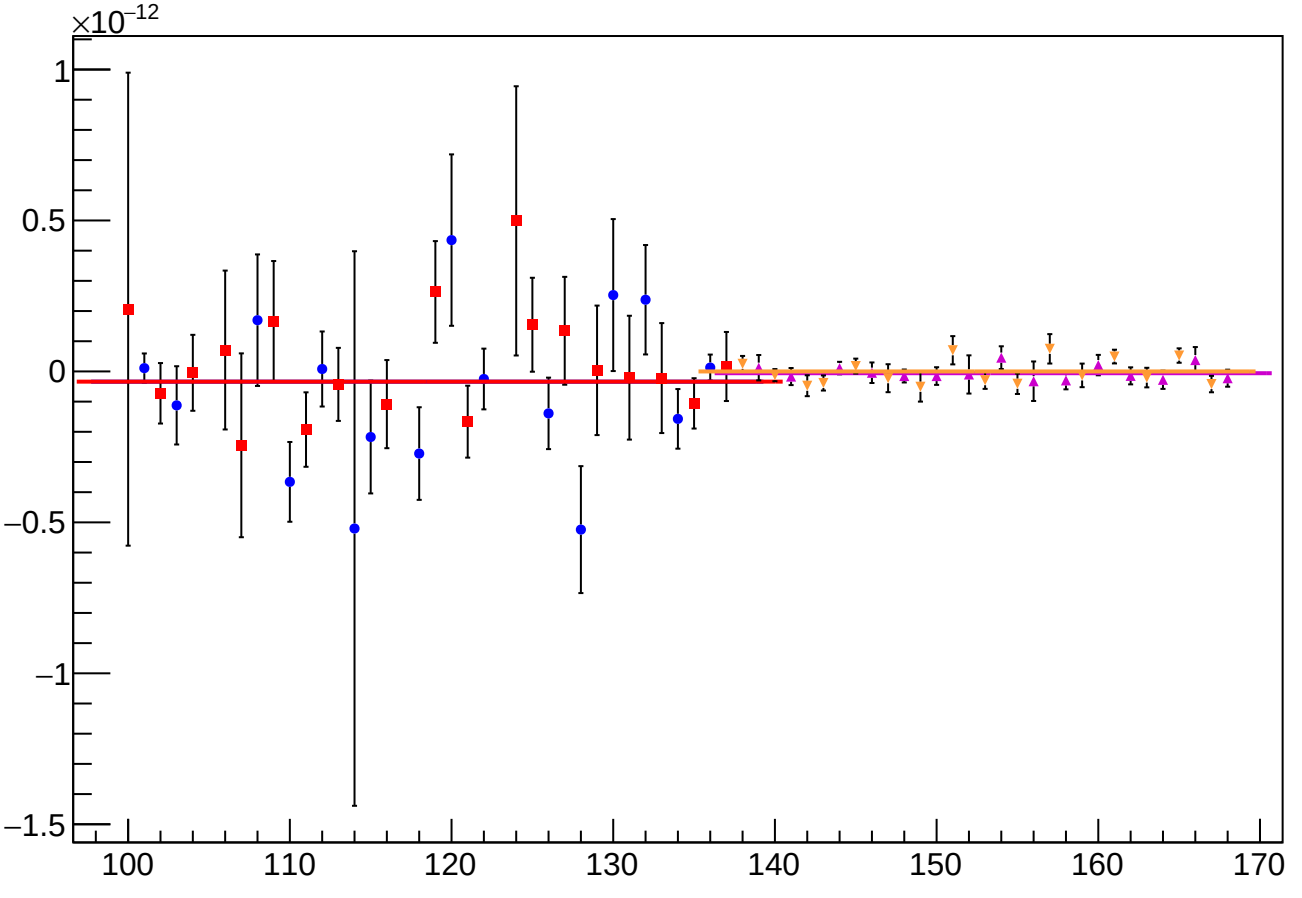
Left: 925.512+/-0.132 χ^2/NDF: 776181.8/30

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1026.545+/-0.170 χ^2/NDF:2410262.8/30

Out: 1027.379+/-0.169 χ^2/NDF:2800830.0/34

All: 1026.964+/-0.120 χ^2/NDF: 5211105.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/14

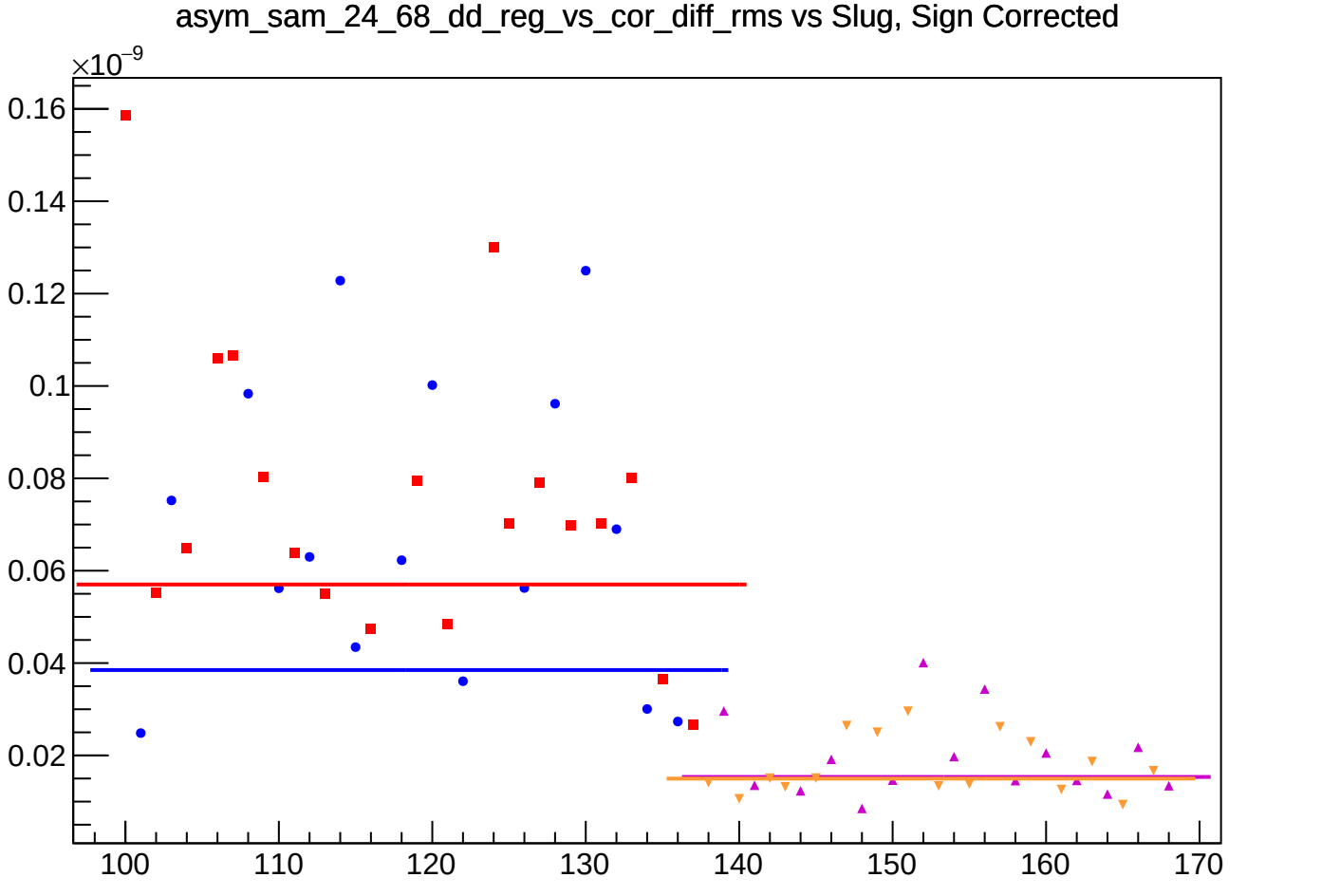
Left: -0.000+/-0.000 χ^2/NDF: 33.7/30

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:35.1/30

Out: -0.000+/-0.000 χ^2/NDF:40.8/34

All: -0.000+/-0.000 χ^2/NDF: 76.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:871499.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1145306.6/14

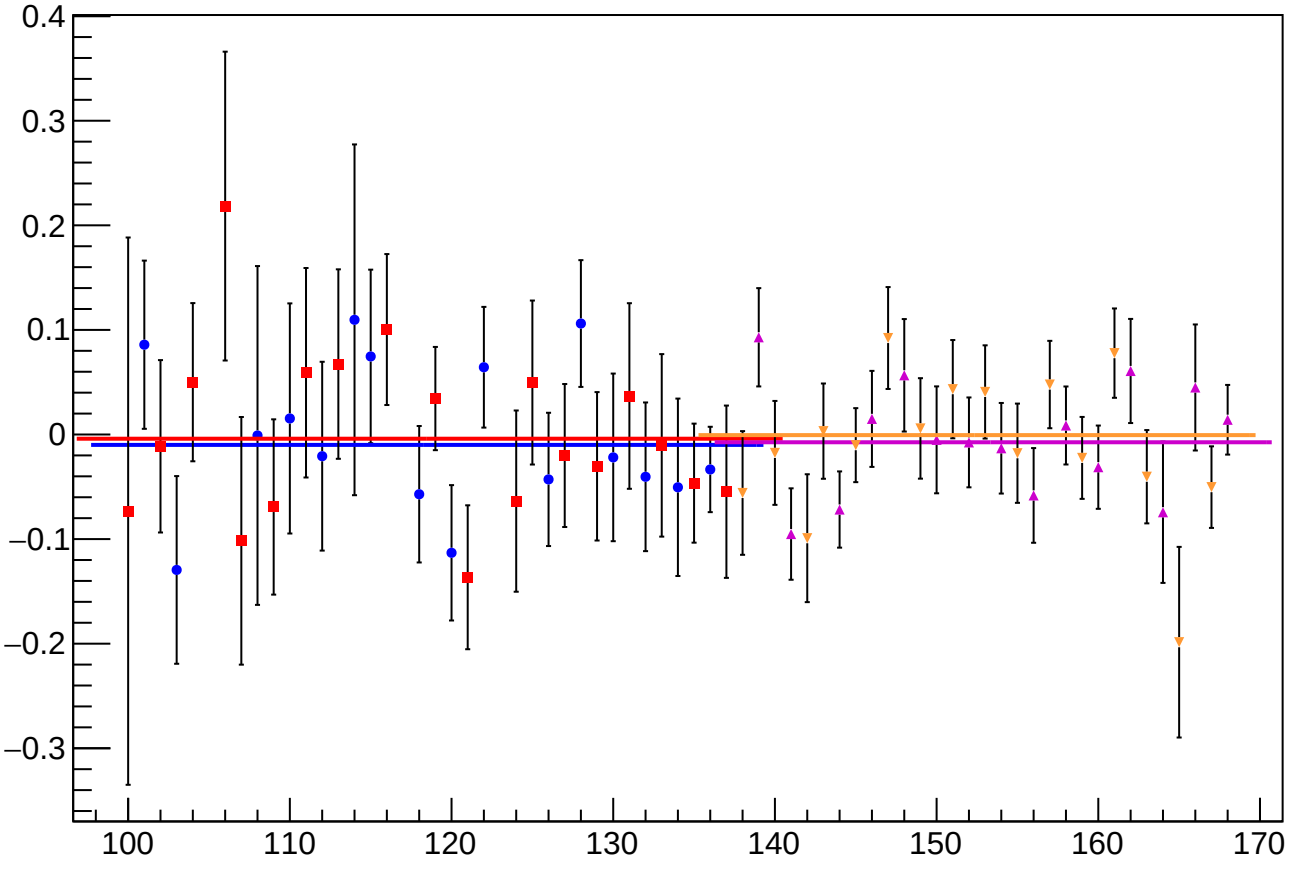
Left: 0.000+/-0.000 χ^2/NDF: 2019058.2/30

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4078539.8/30

Out: 0.000+/-0.000 χ^2/NDF:4486545.9/34

All: 0.000+/-0.000 χ^2/NDF: 8571590.1/65



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.011 χ^2/NDF:19.2/14

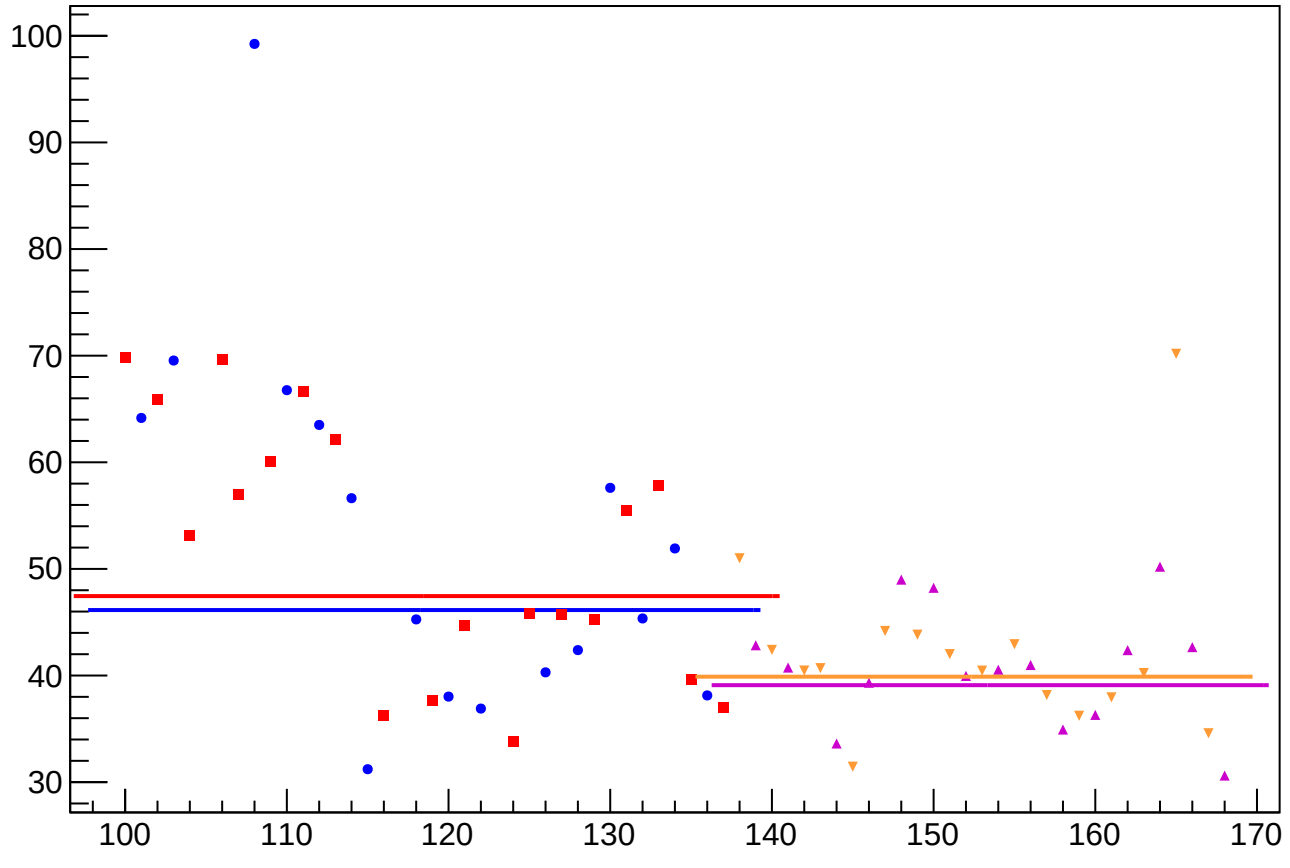
Left: -0.004+/-0.008 χ^2/NDF: 40.7/30

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.008+/-0.010 χ^2/NDF:33.5/30

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.005+/-0.007 χ^2/NDF: 68.9/65



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.892+/-0.008 χ^2/NDF:514925.2/15

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.096+/-0.008 χ^2/NDF:432979.6/14

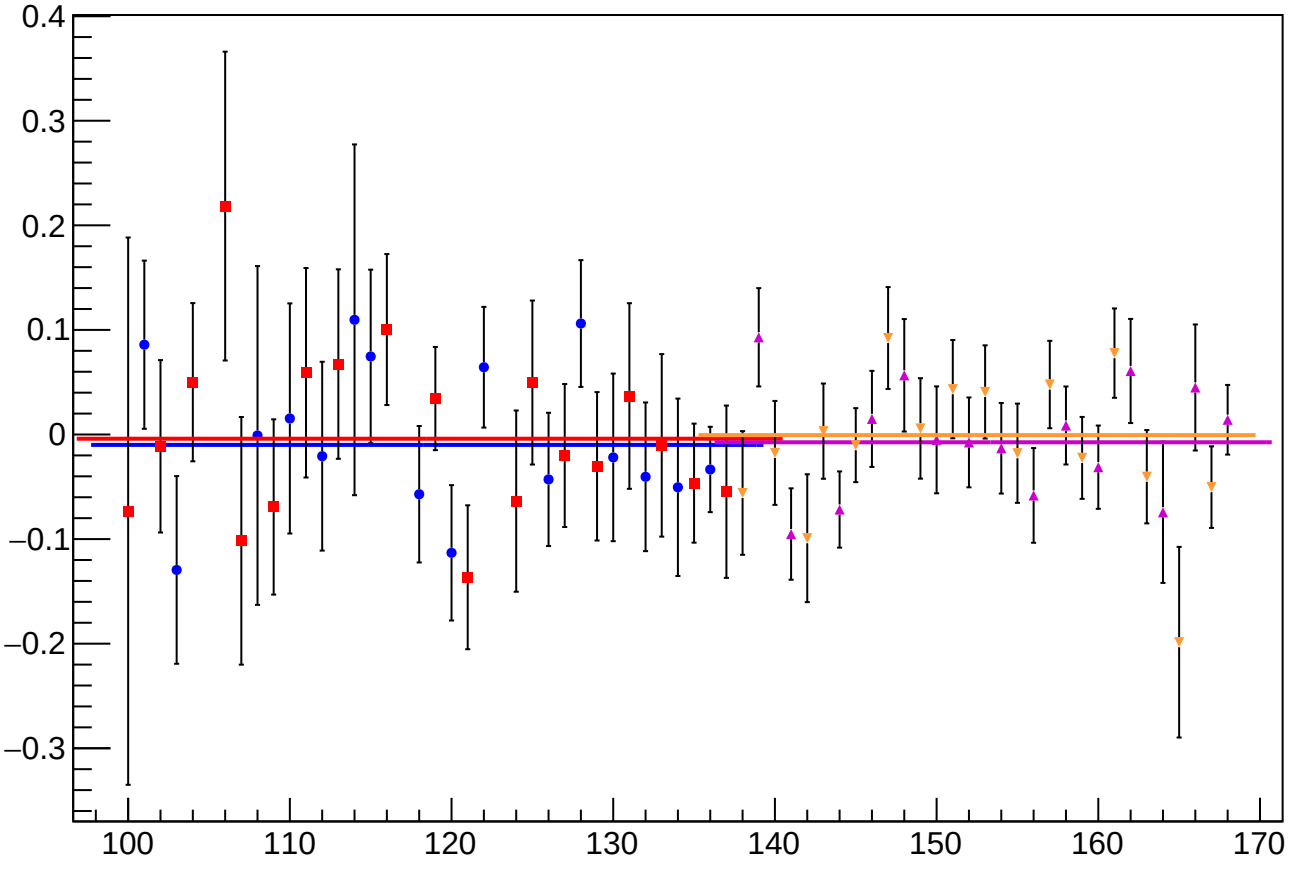
Left: 39.491+/-0.006 χ^2/NDF: 952717.8/30

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.123+/-0.007 χ^2/NDF:1554687.4/30

Out: 42.069+/-0.007 χ^2/NDF:1418085.0/34

All: 41.593+/-0.005 χ^2/NDF: 2982315.4/65



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.011 χ^2/NDF:19.2/14

Left: -0.004+/-0.008 χ^2/NDF: 40.7/30

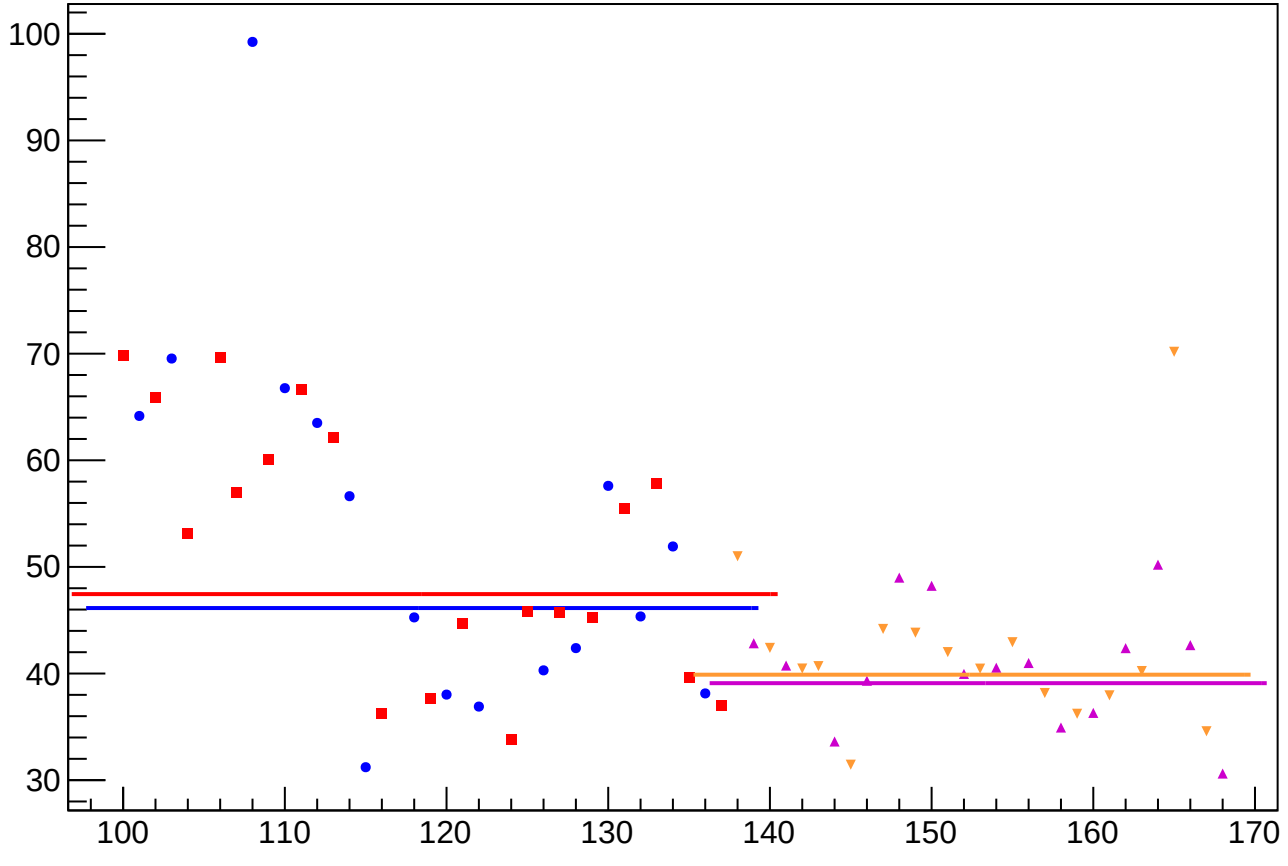
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.008+/-0.010 χ^2/NDF:33.5/30

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.005+/-0.007 χ^2/NDF: 68.9/65

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: 39.892+/-0.008 χ^2/NDF:514925.2/15

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.096+/-0.008 χ^2/NDF:432979.6/14

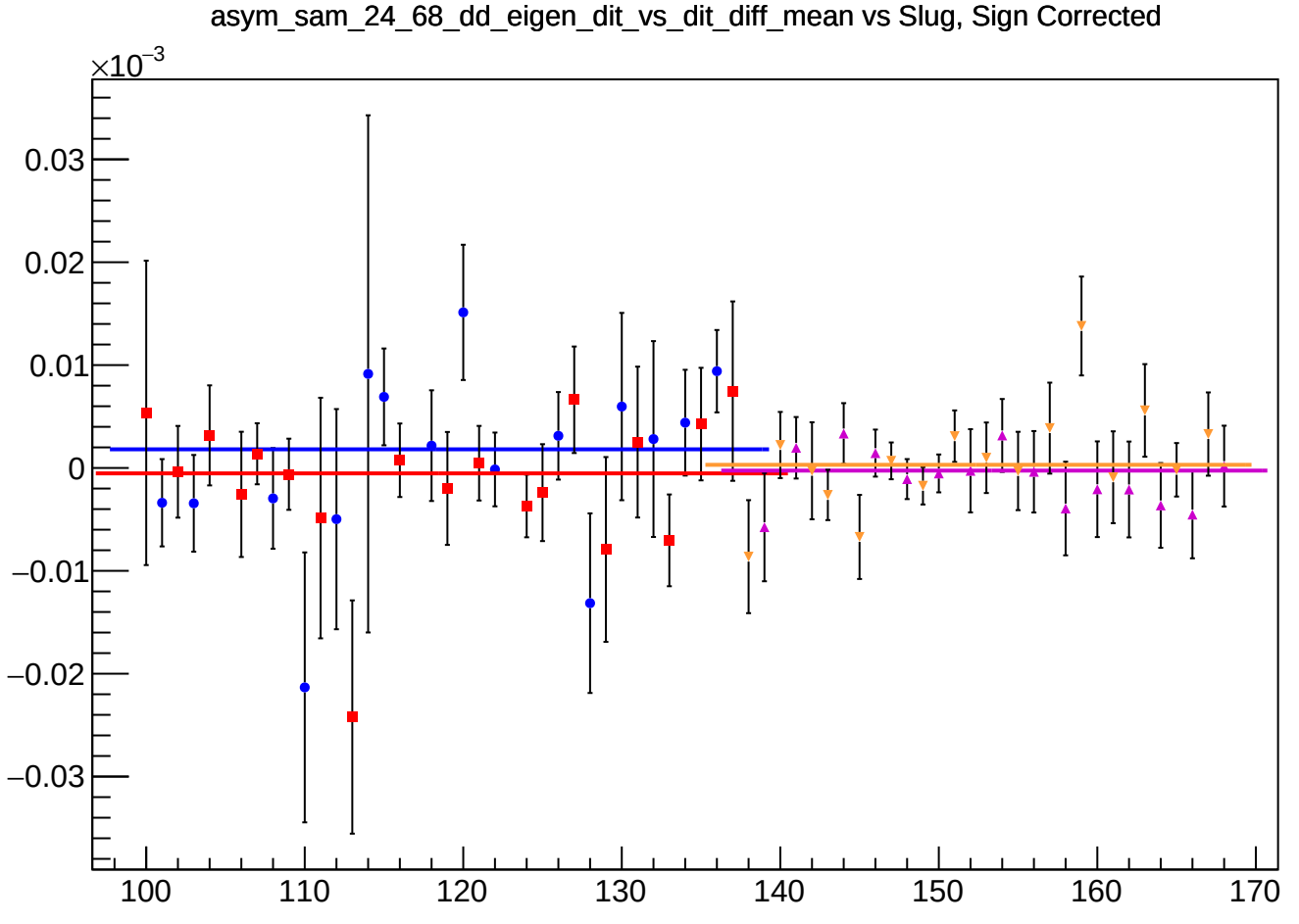
Left: 39.491+/-0.006 χ^2/NDF: 952717.8/30

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.123+/-0.007 χ^2/NDF:1554687.4/30

Out: 42.069+/-0.007 χ^2/NDF:1418085.0/34

All: 41.593+/-0.005 χ^2/NDF: 2982315.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/14

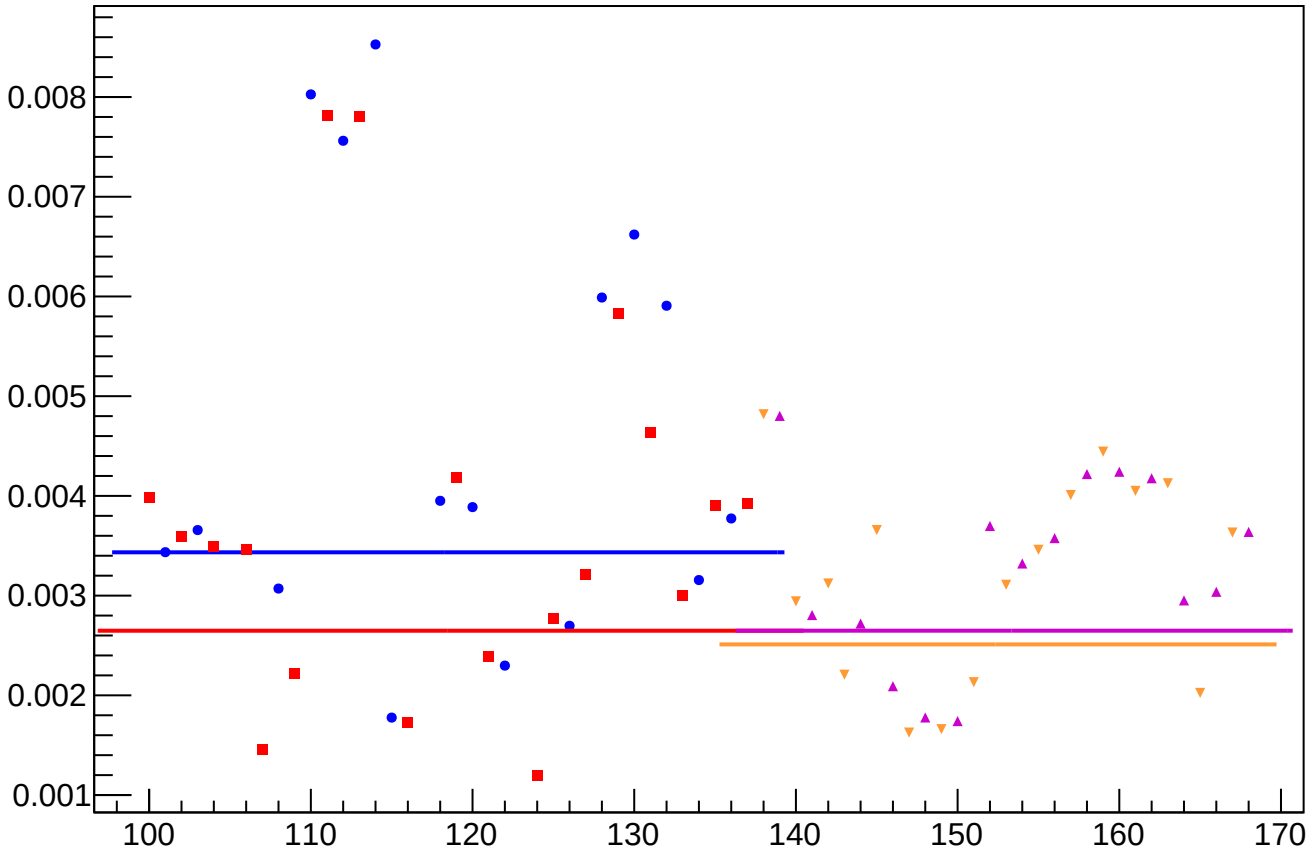
Left: 0.000+/-0.000 χ^2/NDF: 28.3/30

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/30

Out: 0.000+/-0.000 χ^2/NDF:34.7/34

All: 0.000+/-0.000 χ^2/NDF: 63.9/65



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3040253.3/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2507618.9/14

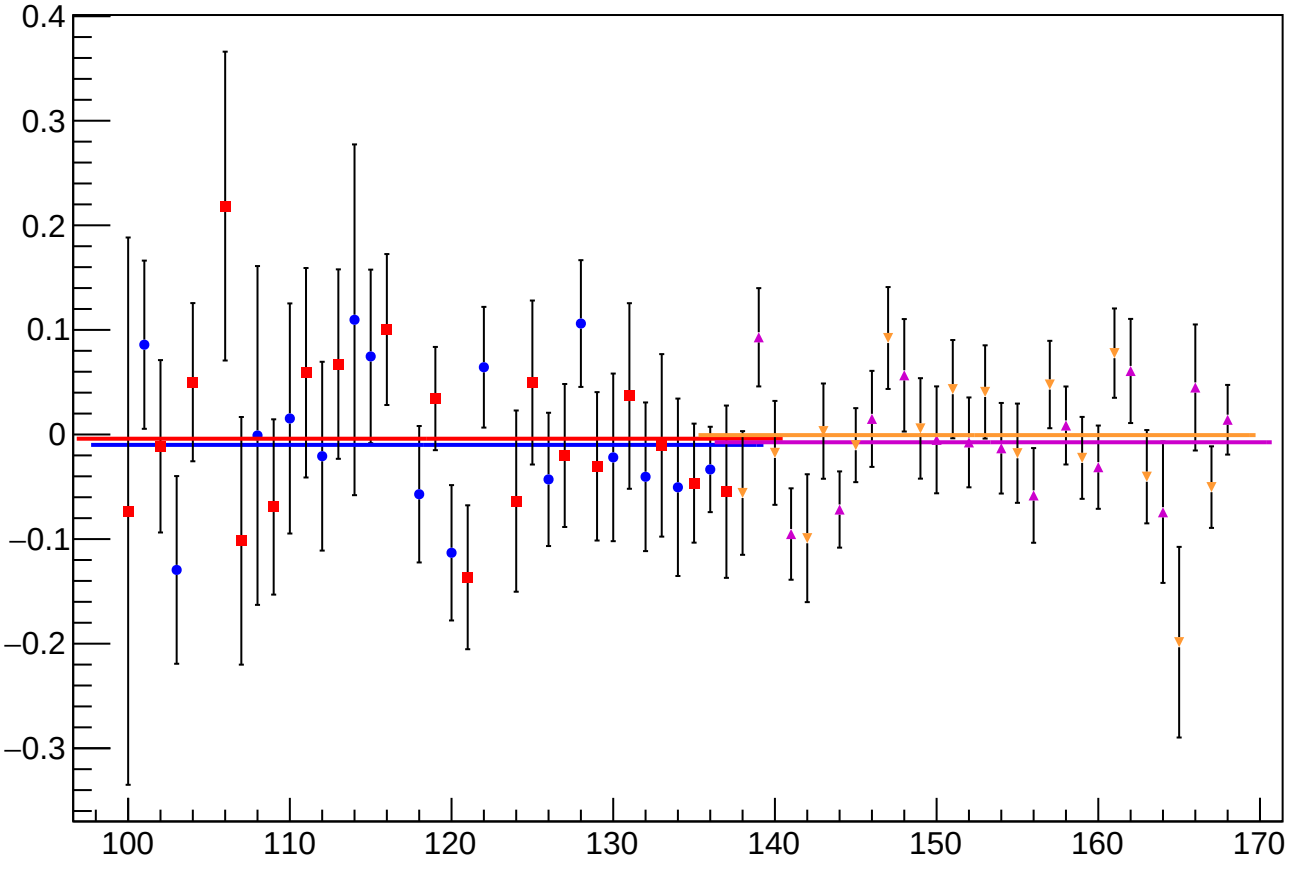
Left: 0.003+/-0.000 χ^2/NDF: 5578699.3/30

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4743933.8/30

Out: 0.003+/-0.000 χ^2/NDF:5758474.3/34

All: 0.003+/-0.000 χ^2/NDF: 10701234.0/65



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.011 χ^2/NDF:19.2/14

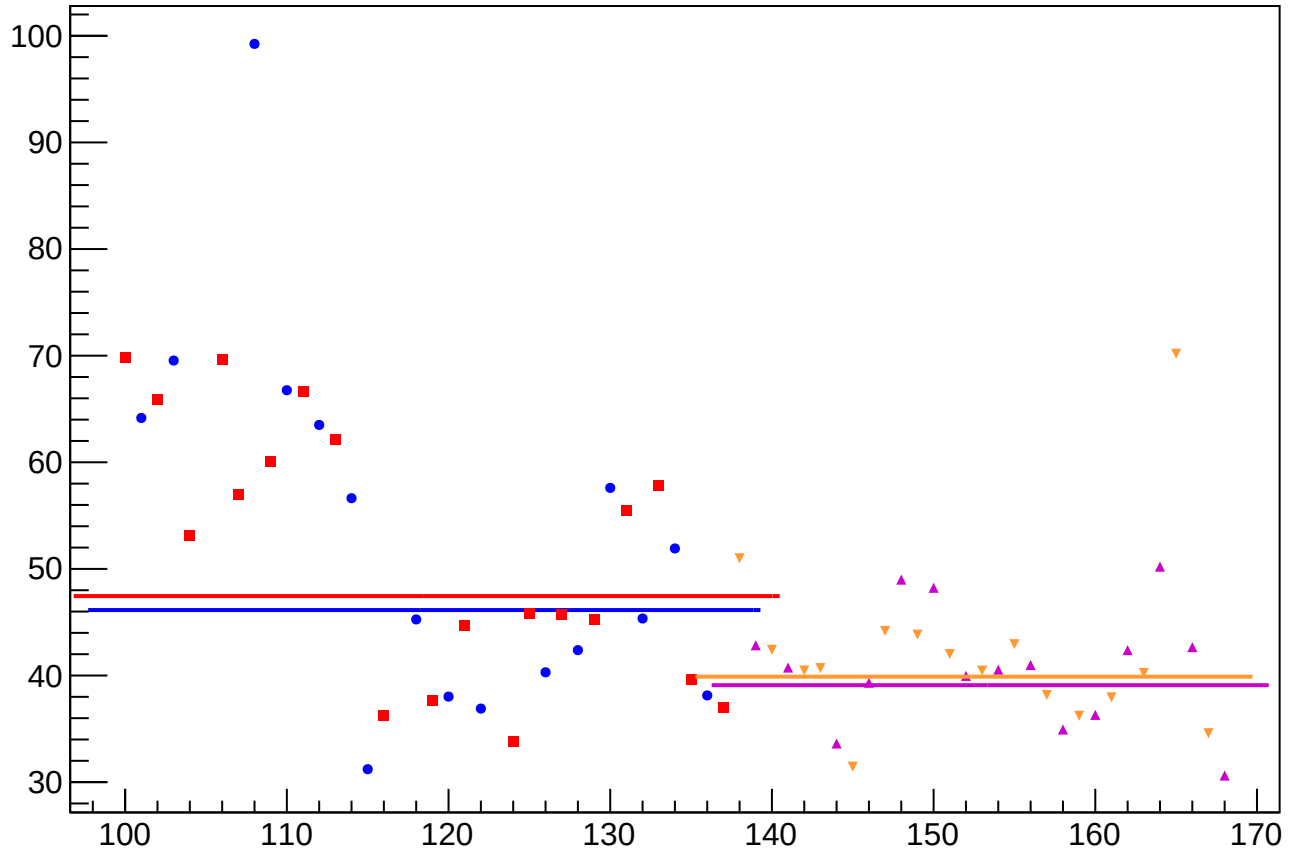
Left: -0.004+/-0.008 χ^2/NDF: 40.7/30

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.008+/-0.010 χ^2/NDF:33.5/30

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.005+/-0.007 χ^2/NDF: 68.9/65



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.892+/-0.008 χ^2/NDF:514958.8/15

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.095+/-0.008 χ^2/NDF:433046.9/14

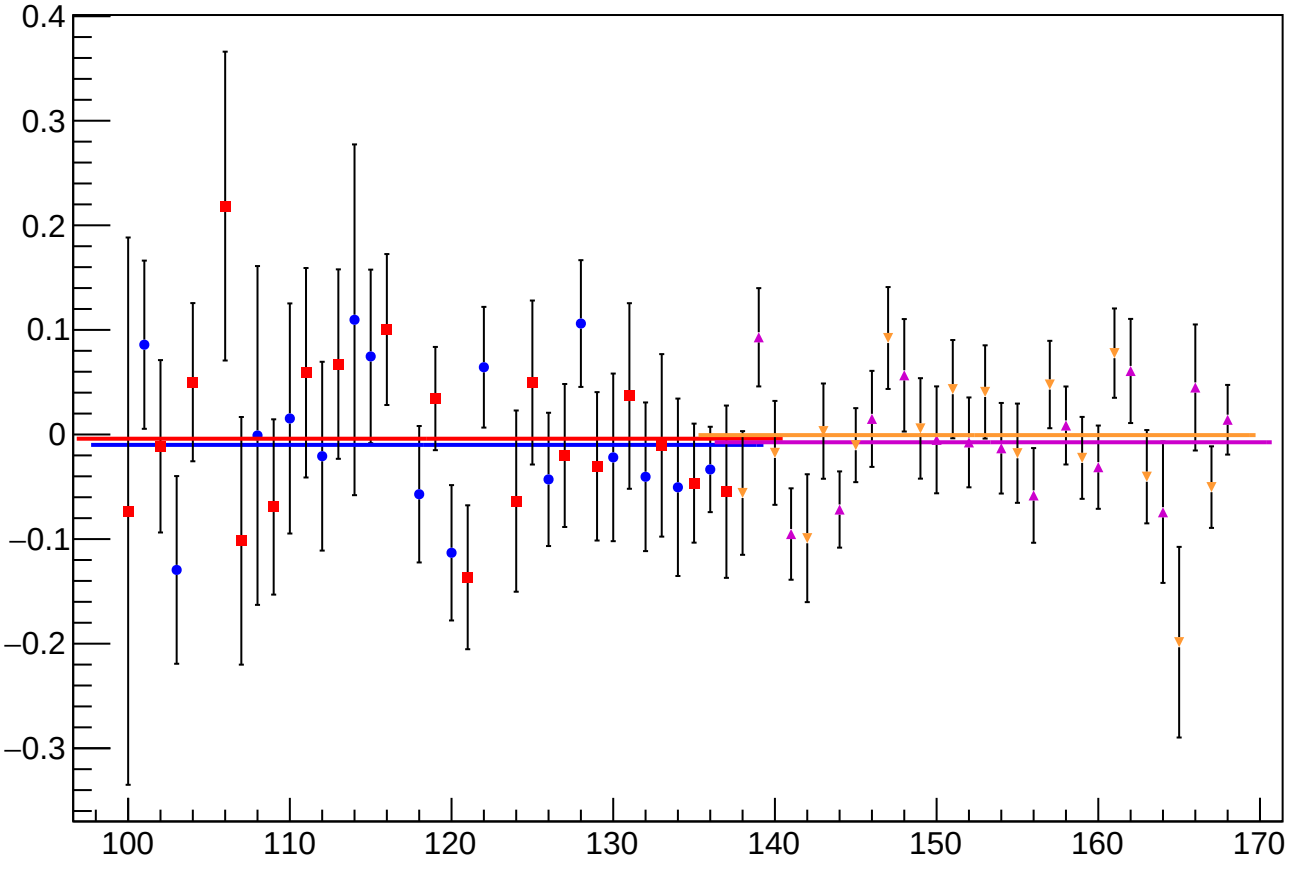
Left: 39.491+/-0.006 χ^2/NDF: 952823.1/30

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.123+/-0.007 χ^2/NDF:1554656.9/30

Out: 42.069+/-0.007 χ^2/NDF:1418036.9/34

All: 41.593+/-0.005 χ^2/NDF: 2982244.3/65



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.001+/-0.012 χ^2/NDF:21.3/15

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.011 χ^2/NDF:19.2/14

Left: -0.004+/-0.008 χ^2/NDF: 40.7/30

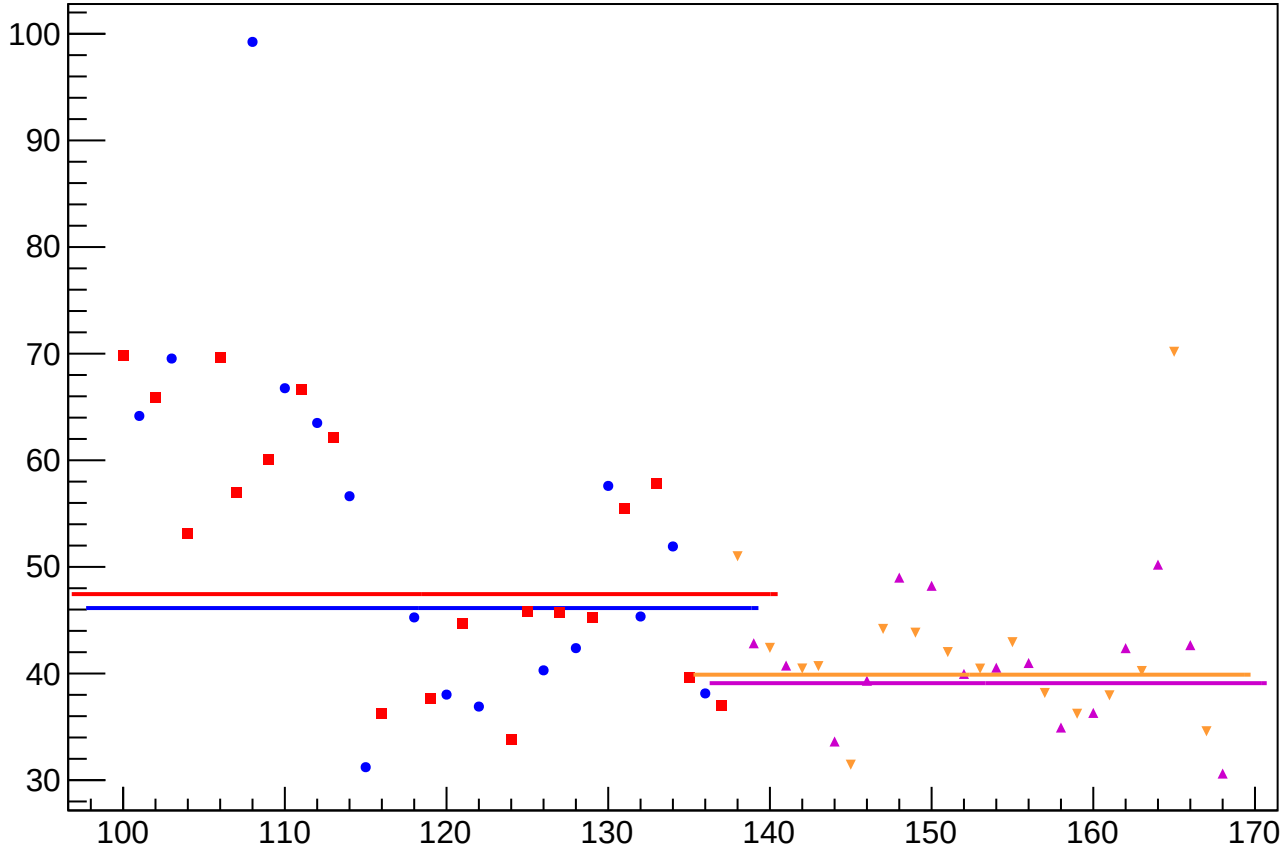
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.008+/-0.010 χ^2/NDF:33.5/30

Out: -0.002+/-0.010 χ^2/NDF:35.2/34

All: -0.005+/-0.007 χ^2/NDF: 68.9/65

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: 39.892+/-0.008 χ^2/NDF:514958.8/15

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.095+/-0.008 χ^2/NDF:433046.9/14

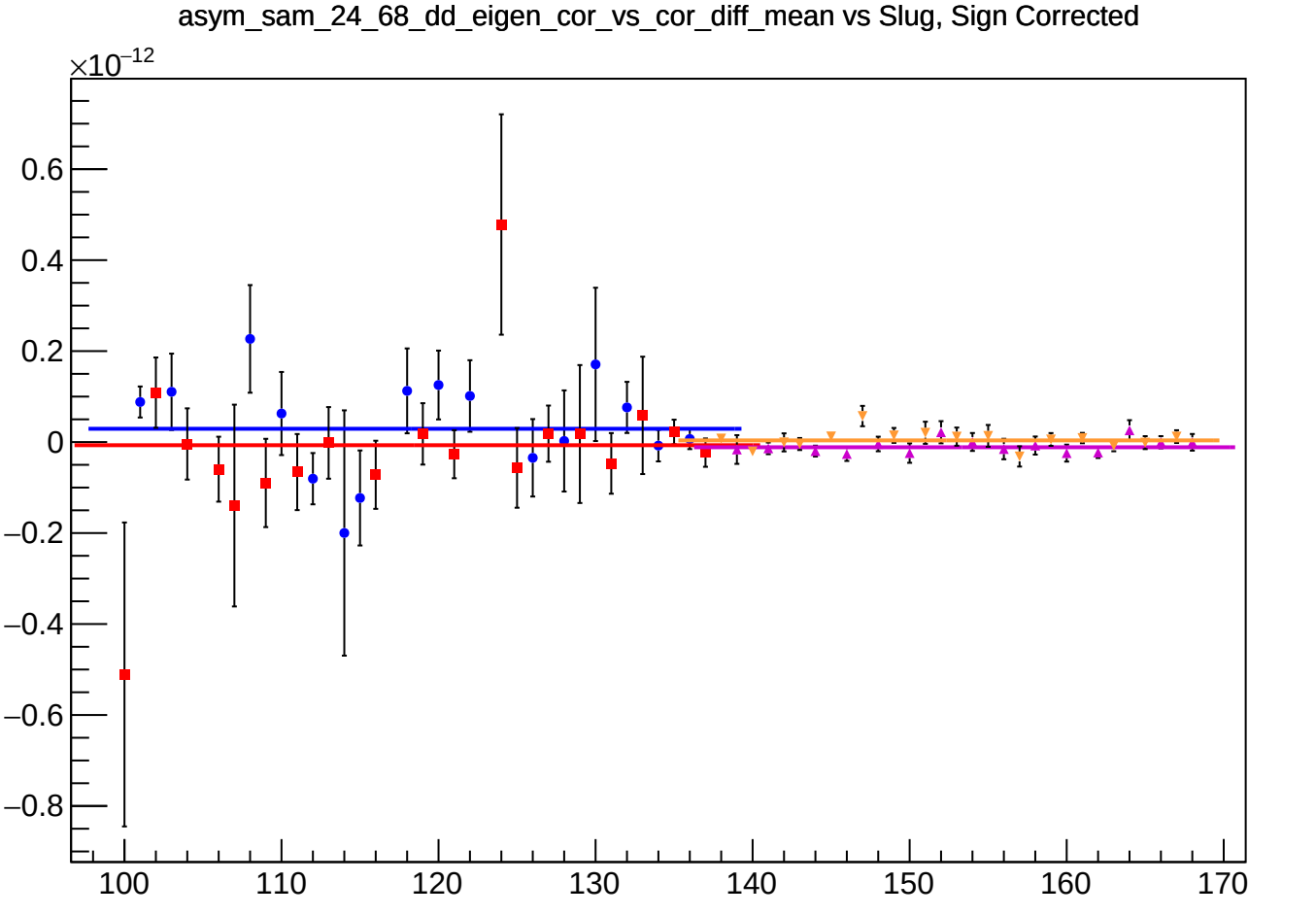
Left: 39.491+/-0.006 χ^2/NDF: 952823.1/30

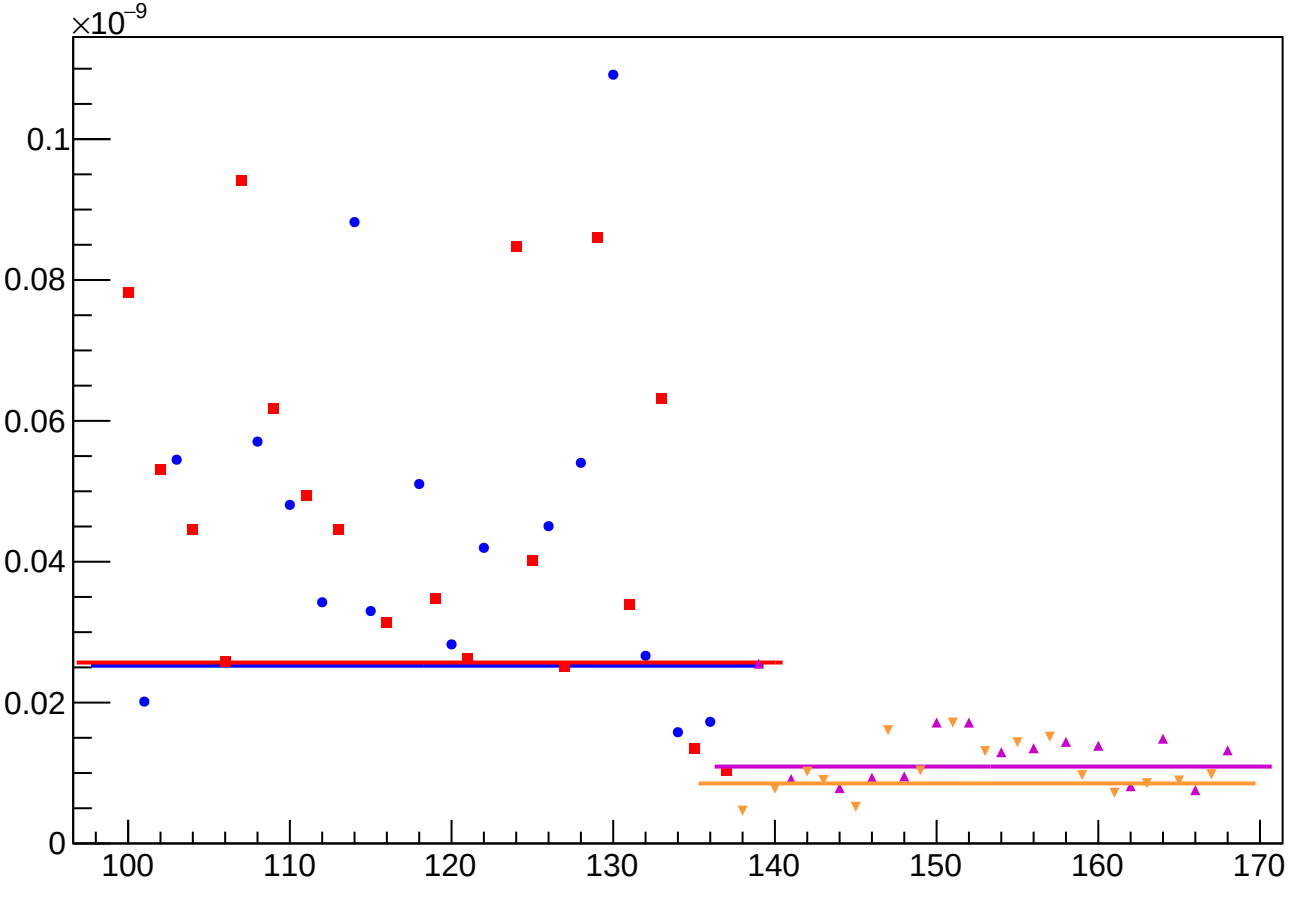
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.123+/-0.007 χ^2/NDF:1554656.9/30

Out: 42.069+/-0.007 χ^2/NDF:1418036.9/34

All: 41.593+/-0.005 χ^2/NDF: 2982244.3/65


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.7/15
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.5/14
Left: -0.000+/-0.000 χ²/NDF: 34.5/30
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:38.6/30
Out: 0.000+/-0.000 χ²/NDF:32.4/34
All: -0.000+/-0.000 χ²/NDF: 75.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549416.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1419828.8/14

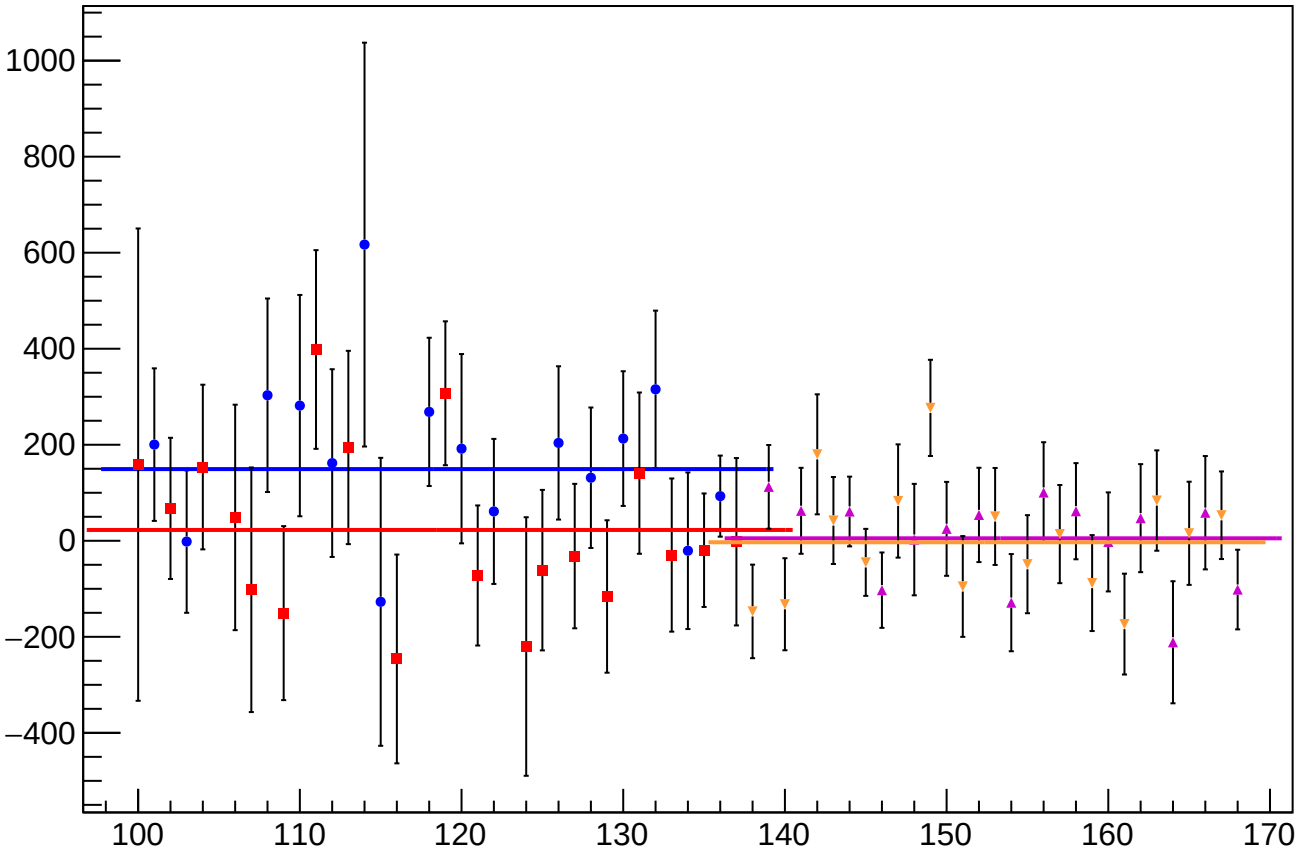
Left: 0.000+/-0.000 χ^2/NDF: 3340020.4/30

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5574955.3/30

Out: 0.000+/-0.000 χ^2/NDF:7045592.7/34

All: 0.000+/-0.000 χ^2/NDF: 13155997.3/65



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.060+/-24.643 χ^2/NDF:20.8/15

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 5.146+/-24.759 χ^2/NDF:12.5/14

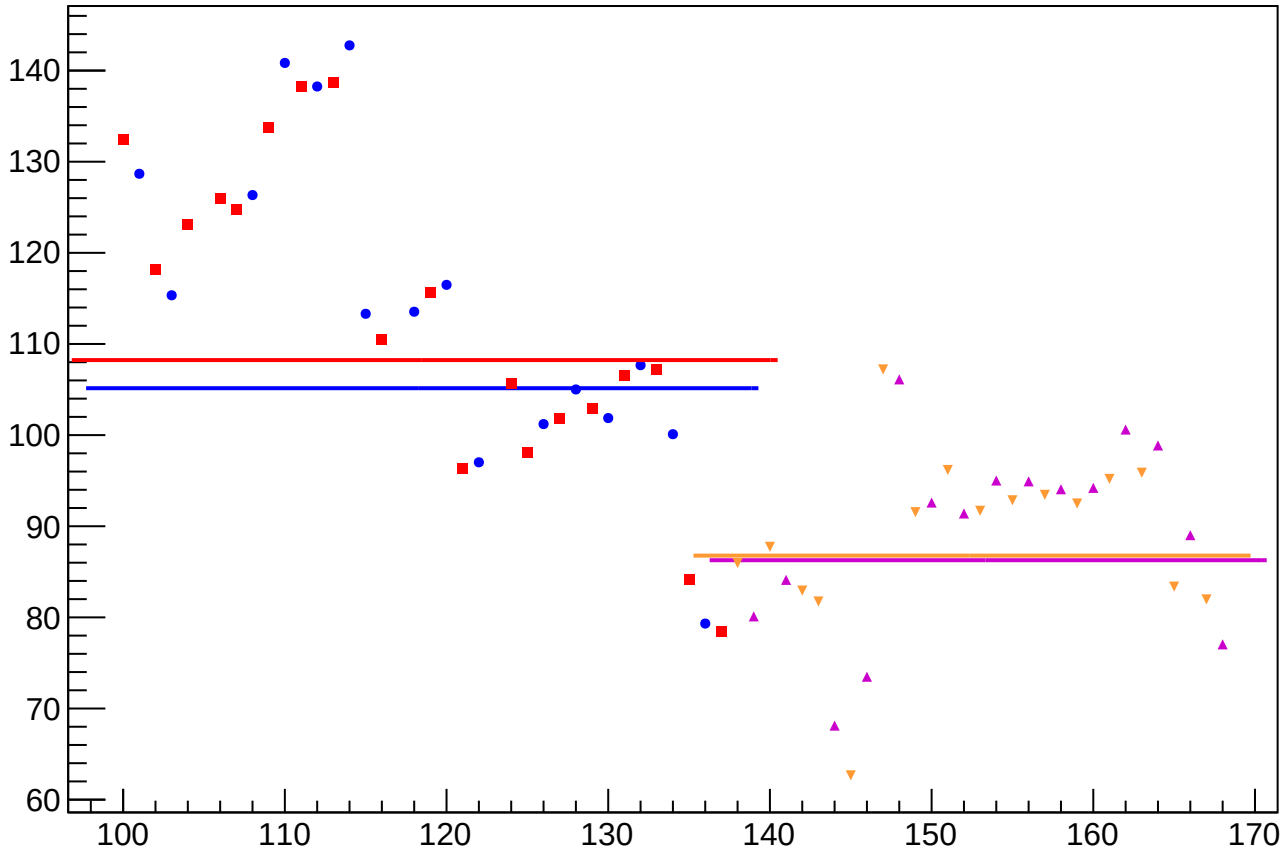
Left: 1.024+/-17.466 χ^2/NDF: 33.4/30

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 45.532+/-21.006 χ^2/NDF:30.0/30

Out: 3.960+/-20.996 χ^2/NDF:35.3/34

All: 24.736+/-14.850 χ^2/NDF: 67.3/65



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

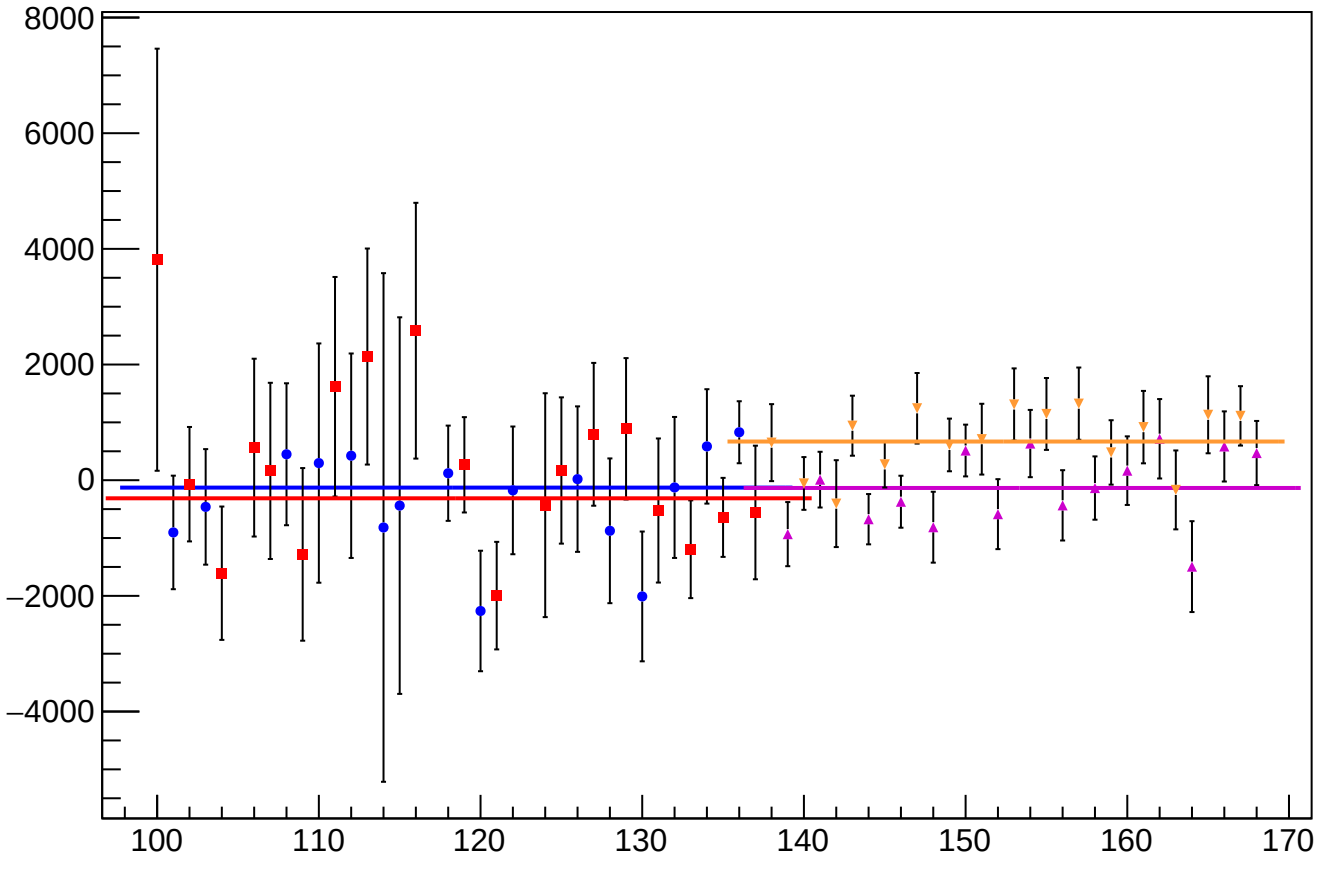
Left: 86.526+/-0.012 χ^2/NDF: 782669.5/30

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.560+/-0.015 χ^2/NDF:1125992.0/30

Out: 92.660+/-0.015 χ^2/NDF:1155779.0/34

All: 92.110+/-0.011 χ^2/NDF: 2284513.2/65



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.649+/-140.488 χ^2/NDF:12.5/15

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -134.339+/-141.791 χ^2/NDF:17.2/14

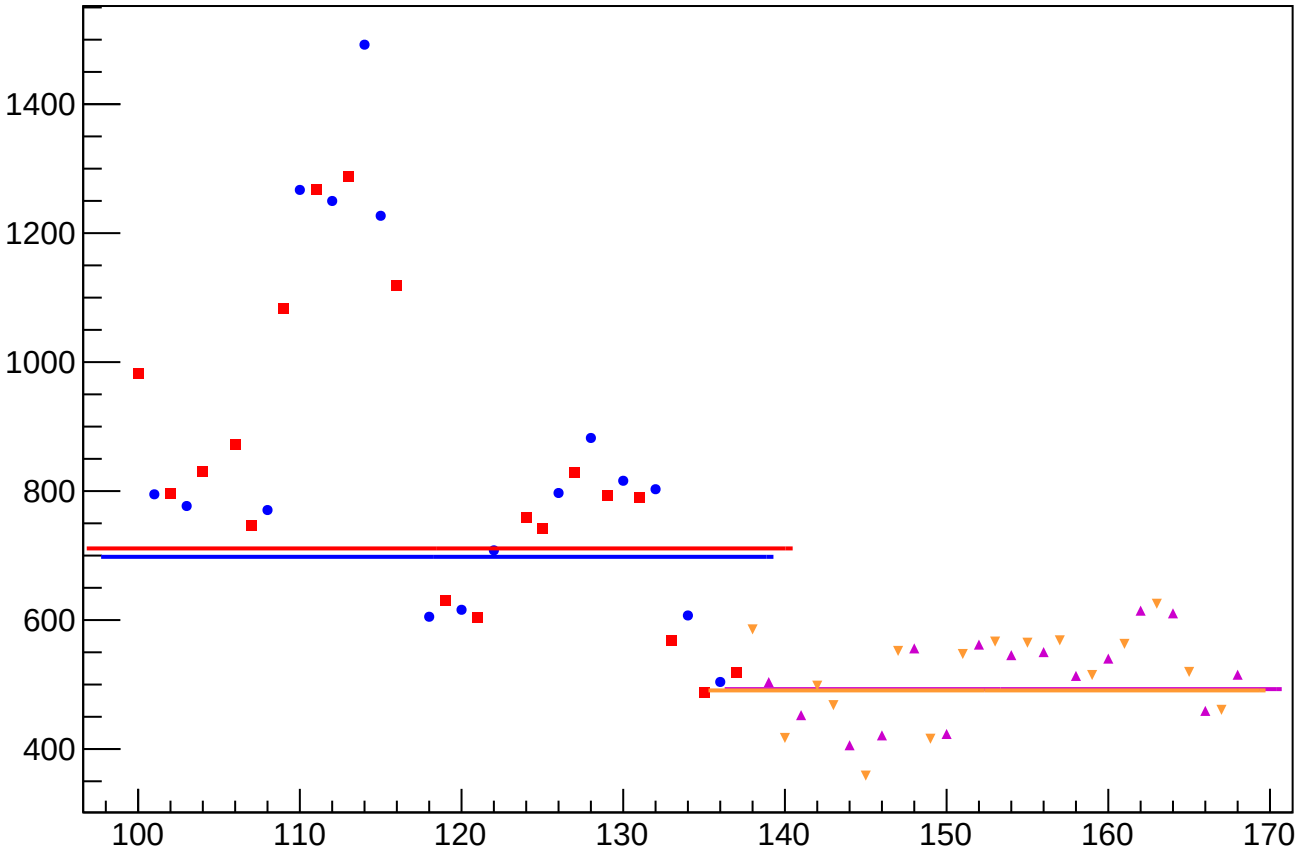
Left: 270.863+/-99.797 χ^2/NDF: 45.9/30

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -132.970+/-125.393 χ^2/NDF:29.5/30

Out: 459.656+/-124.639 χ^2/NDF:37.9/34

All: 165.130+/-88.399 χ^2/NDF: 78.6/65



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 490.906+/-0.099 χ^2/NDF:613109.9/15

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 492.907+/-0.100 χ^2/NDF:408223.3/14

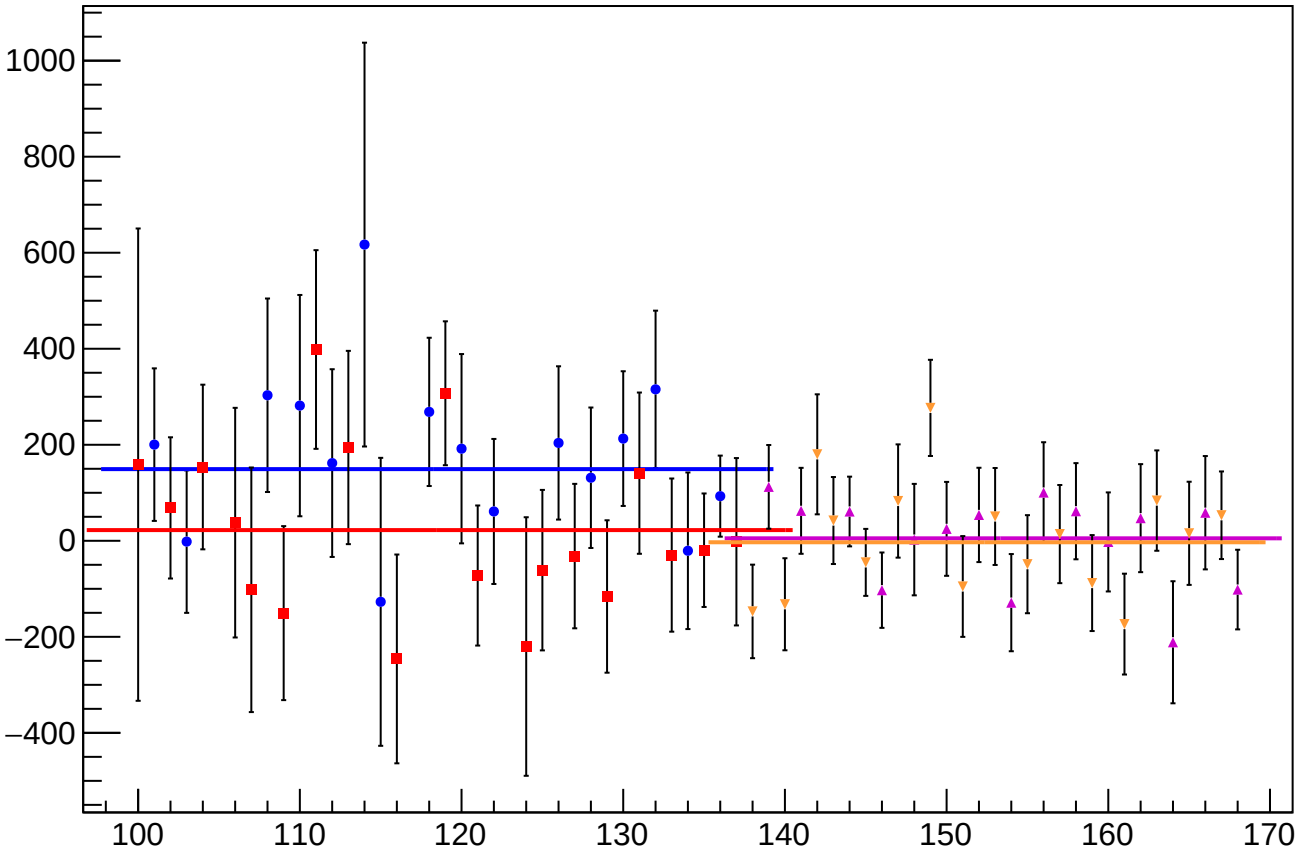
Left: 491.897+/-0.071 χ^2/NDF: 1021534.0/30

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 537.613+/-0.089 χ^2/NDF:2233436.2/30

Out: 537.781+/-0.088 χ^2/NDF:2694096.8/34

All: 537.697+/-0.063 χ^2/NDF: 4927534.8/65



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 5.147+/-24.759 χ^2/NDF:12.5/14

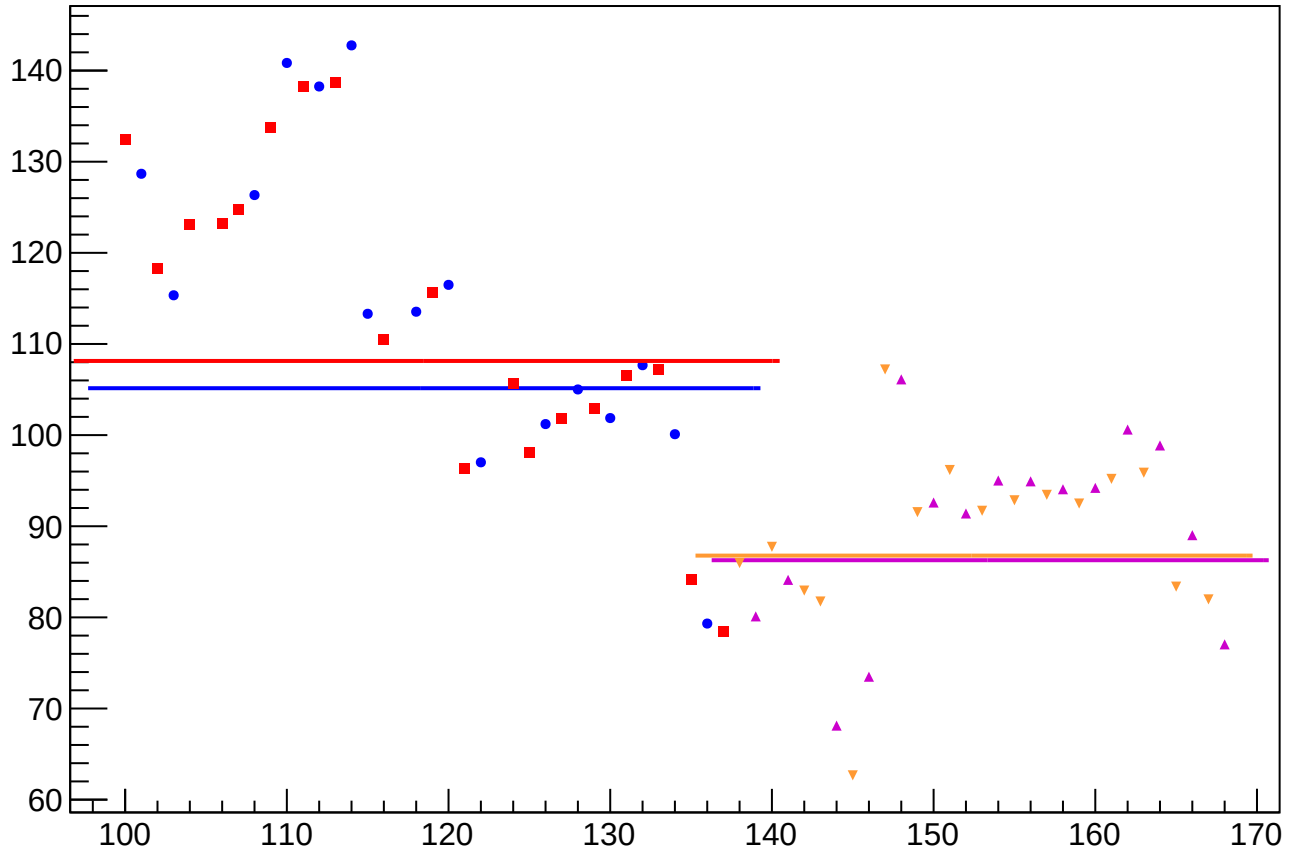
Left: 1.023+/-17.466 χ^2/NDF: 33.4/30

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 45.530+/-21.006 χ^2/NDF:30.0/30

Out: 3.884+/-20.999 χ^2/NDF:35.3/34

All: 24.700+/-14.851 χ^2/NDF: 67.3/65



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

Left: 86.526+/-0.012 χ^2/NDF: 782669.5/30

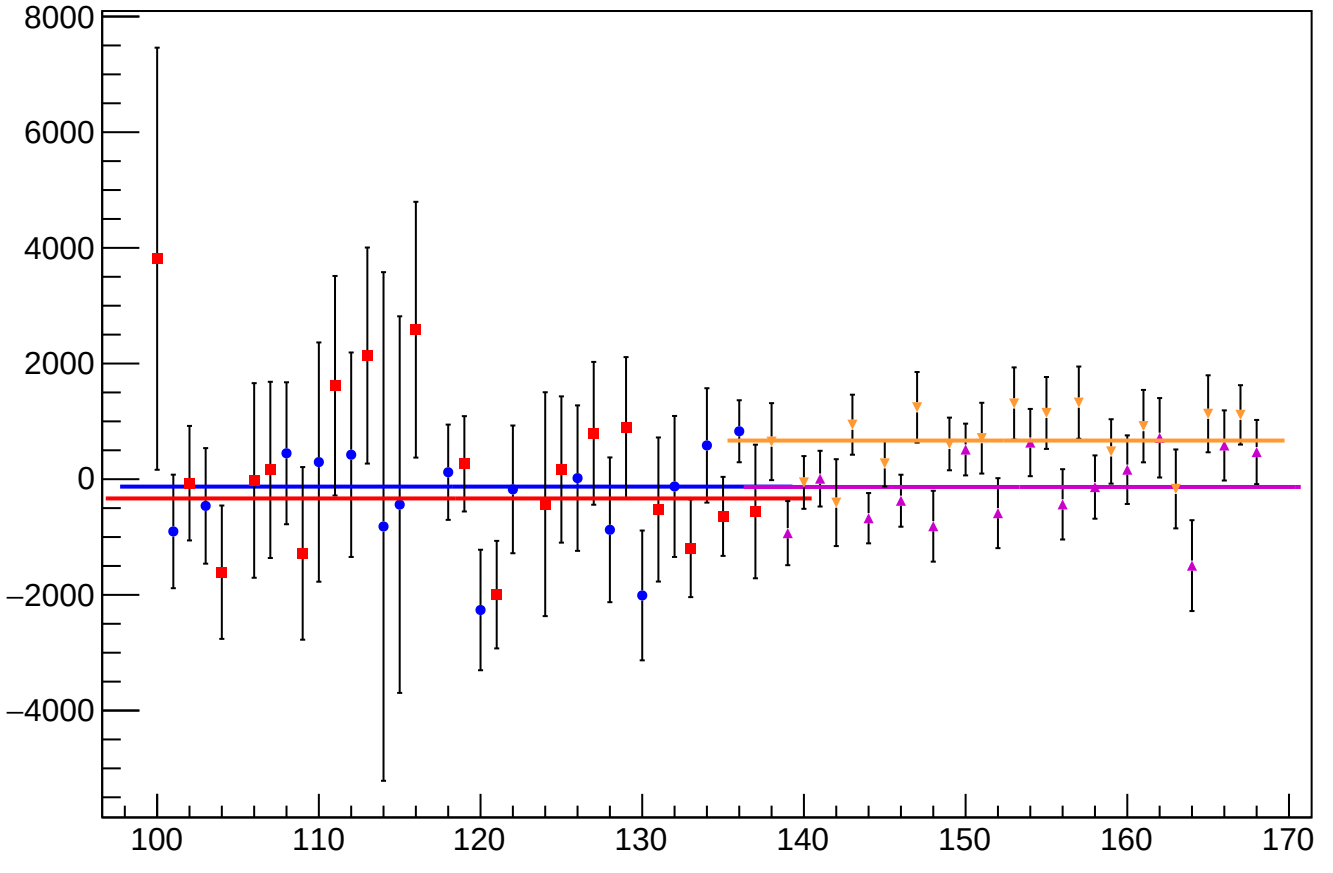
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.560+/-0.015 χ^2/NDF:1125992.4/30

Out: 92.628+/-0.015 χ^2/NDF:1148110.1/34

All: 92.094+/-0.011 χ^2/NDF: 2276691.3/65

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 668.648+/-140.488 χ^2/NDF:12.5/15

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -134.340+/-141.791 χ^2/NDF:17.2/14

Left: 270.862+/-99.797 χ^2/NDF: 45.9/30

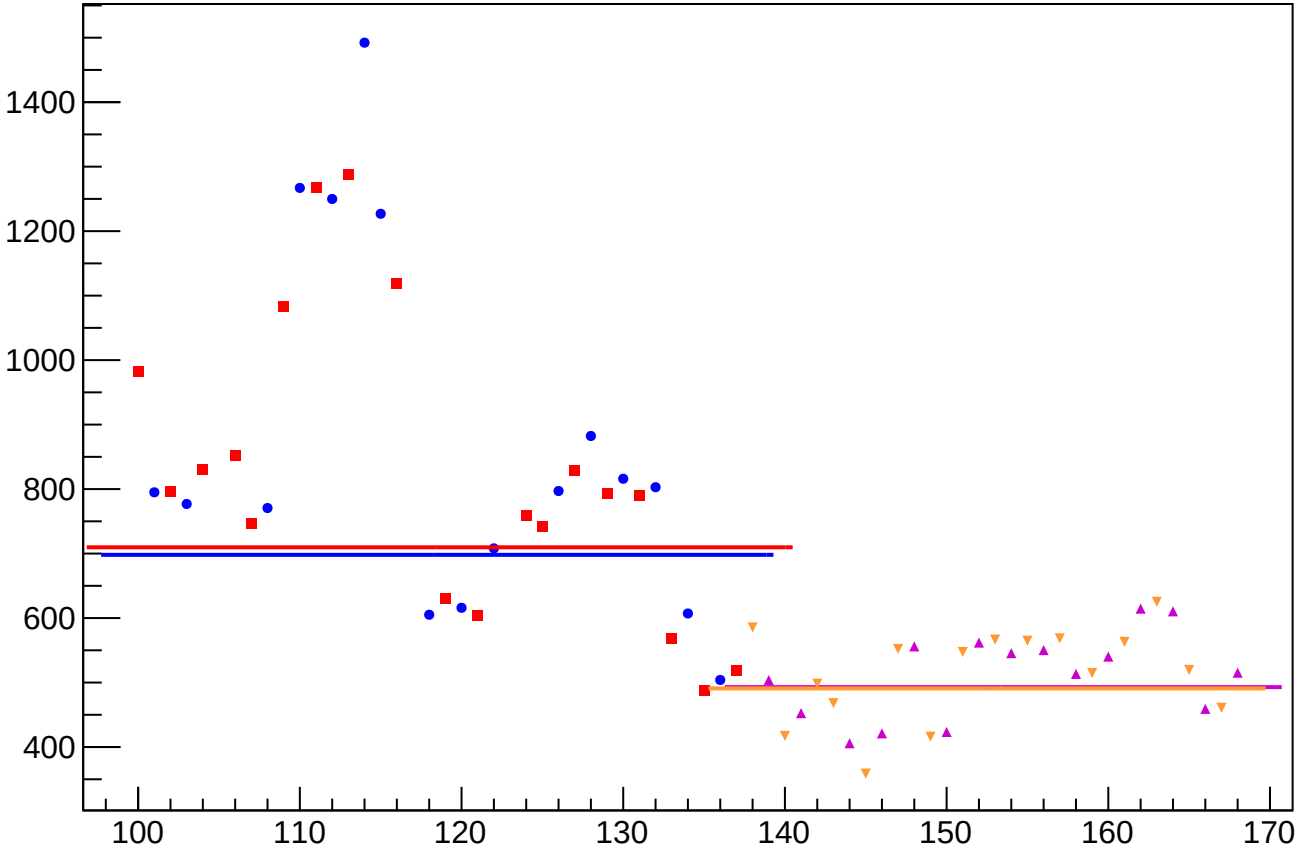
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -132.969+/-125.393 χ^2/NDF:29.5/30

Out: 456.349+/-124.708 χ^2/NDF:37.9/34

All: 163.304+/-88.423 χ^2/NDF: 78.6/65

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: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 492.907+/-0.100 χ^2/NDF:408223.6/14

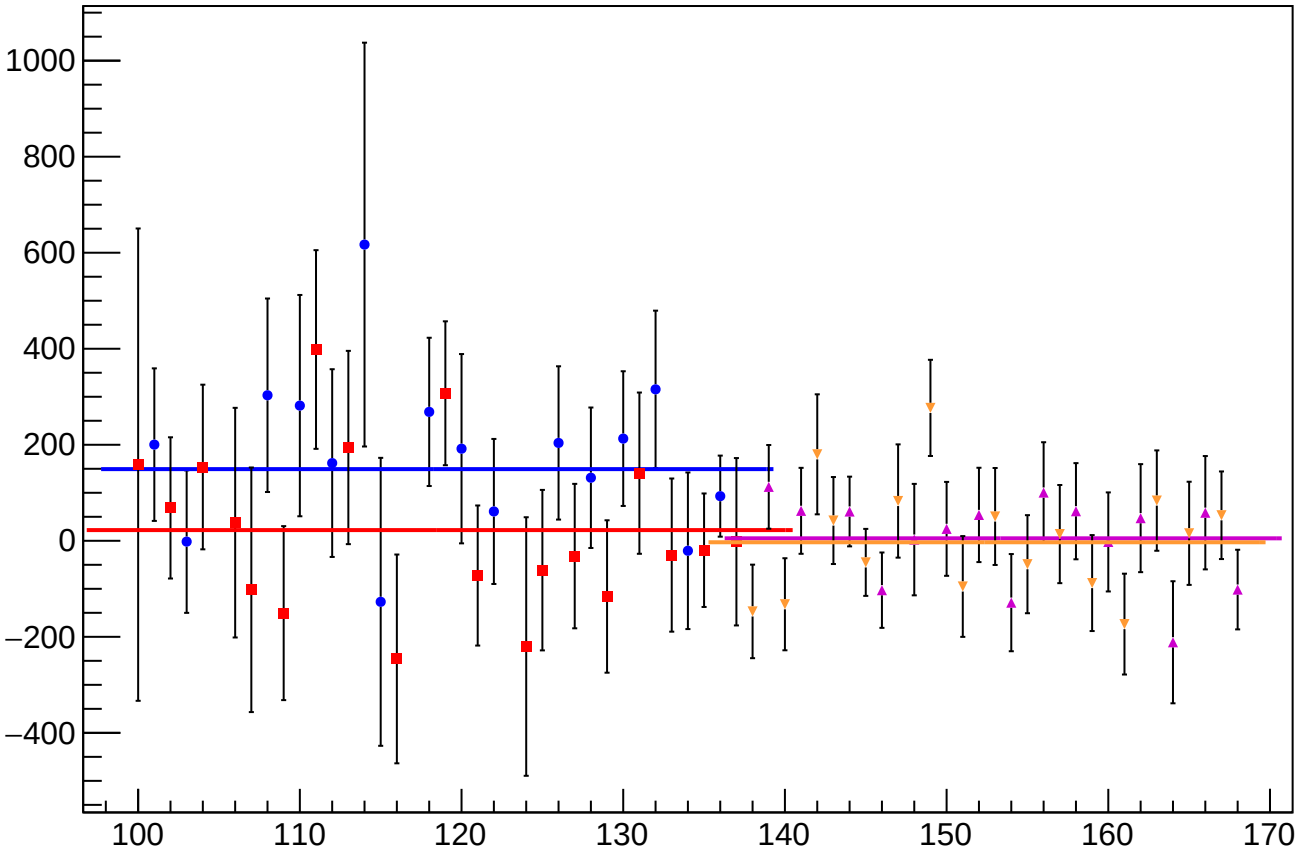
Left: 491.897+/-0.071 χ^2/NDF: 1021534.6/30

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.613+/-0.089 χ^2/NDF:2233447.5/30

Out: 537.305+/-0.088 χ^2/NDF:2669177.8/34

All: 537.458+/-0.063 χ^2/NDF: 4902631.3/65



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.062+/-24.643 χ^2/NDF:20.8/15

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 5.147+/-24.759 χ^2/NDF:12.5/14

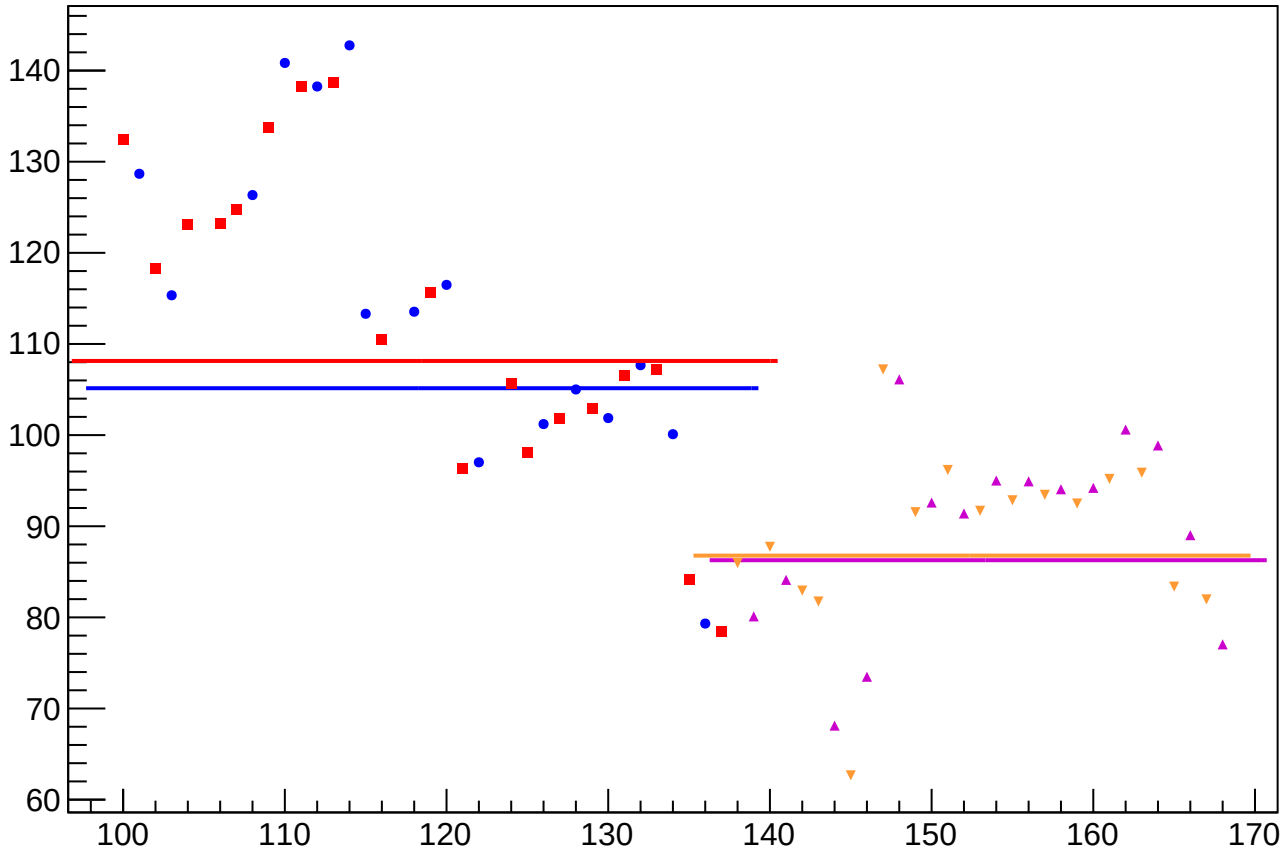
Left: 1.023+/-17.466 χ^2/NDF: 33.4/30

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 45.530+/-21.006 χ^2/NDF:30.0/30

Out: 3.884+/-20.999 χ^2/NDF:35.3/34

All: 24.700+/-14.851 χ^2/NDF: 67.3/65



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.778+/-0.017 χ^2/NDF:390279.8/15

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.272+/-0.018 χ^2/NDF:391970.2/14

Left: 86.526+/-0.012 χ^2/NDF: 782669.5/30

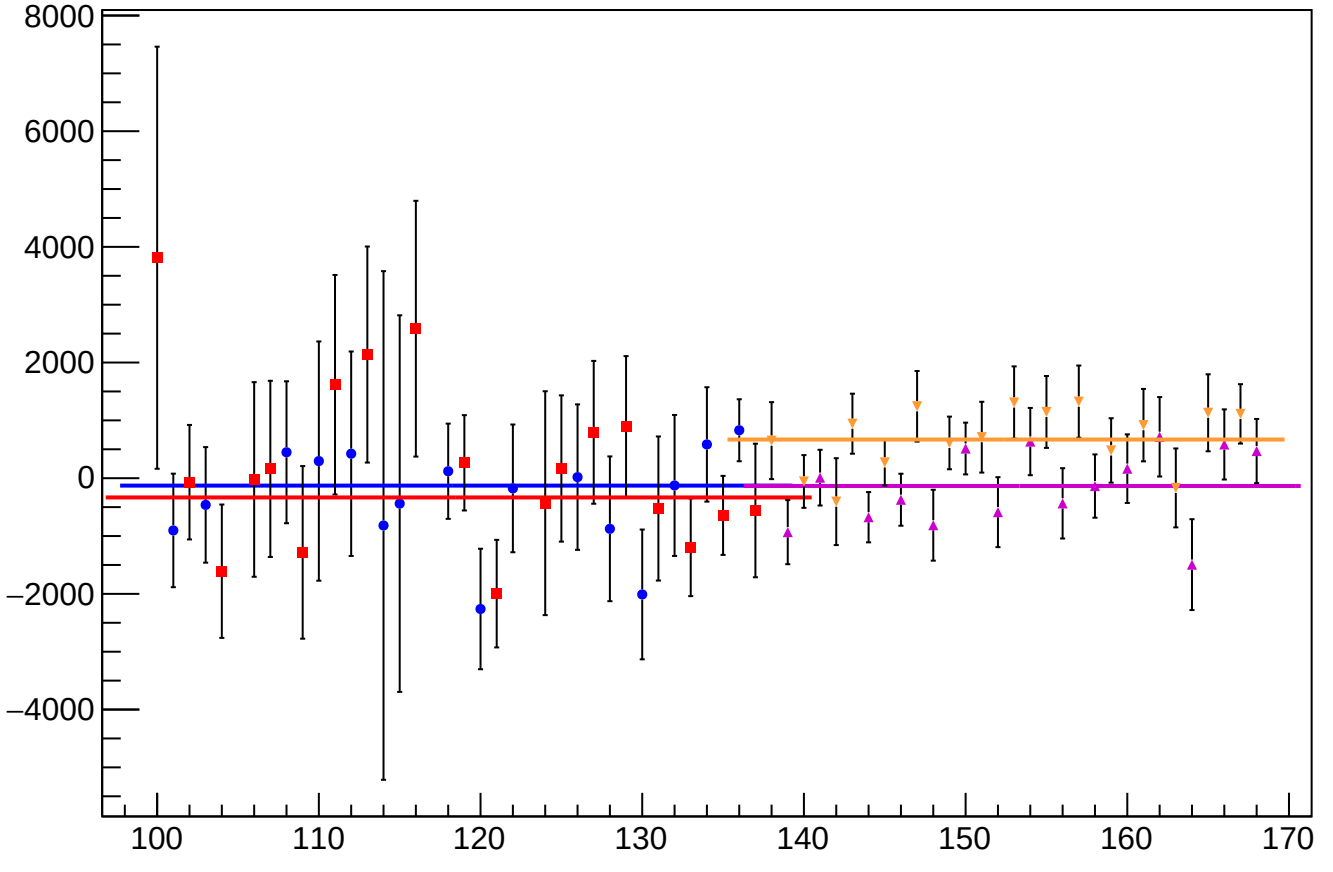
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.560+/-0.015 χ^2/NDF:1125992.4/30

Out: 92.628+/-0.015 χ^2/NDF:1148110.1/34

All: 92.094+/-0.011 χ^2/NDF: 2276691.3/65

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: 668.648+/-140.488 χ^2/NDF:12.5/15

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -134.340+/-141.791 χ^2/NDF:17.2/14

Left: 270.862+/-99.797 χ^2/NDF: 45.9/30

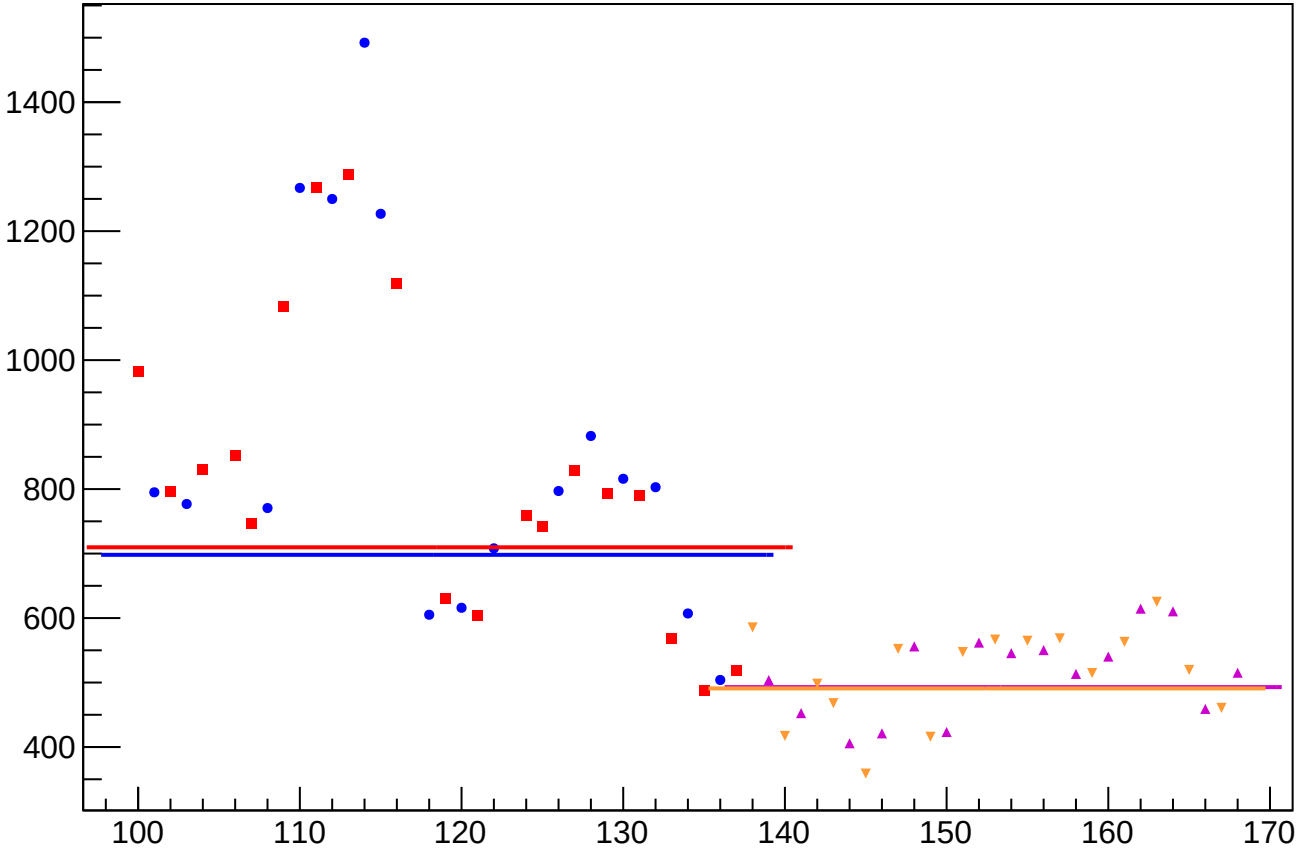
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -132.969+/-125.393 χ^2/NDF:29.5/30

Out: 456.349+/-124.708 χ^2/NDF:37.9/34

All: 163.304+/-88.423 χ^2/NDF: 78.6/65

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: 490.906+/-0.099 χ^2/NDF:613110.1/15

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 492.907+/-0.100 χ^2/NDF:408223.6/14

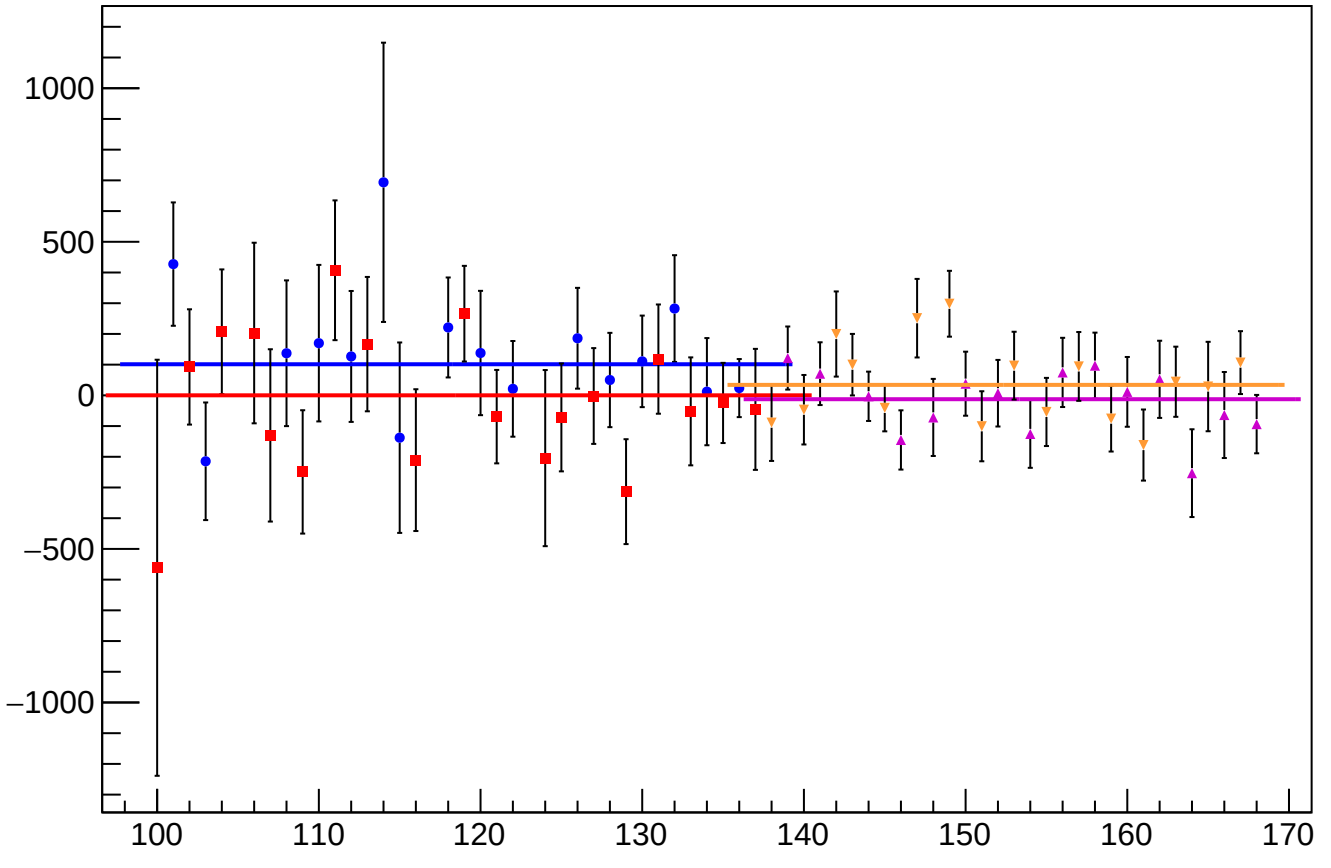
Left: 491.897+/-0.071 χ^2/NDF: 1021534.6/30

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.613+/-0.089 χ^2/NDF:2233447.5/30

Out: 537.305+/-0.088 χ^2/NDF:2669177.8/34

All: 537.458+/-0.063 χ^2/NDF: 4902631.3/65



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.108+/-27.582 χ^2/NDF:20.3/15

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -12.535+/-27.816 χ^2/NDF:11.5/14

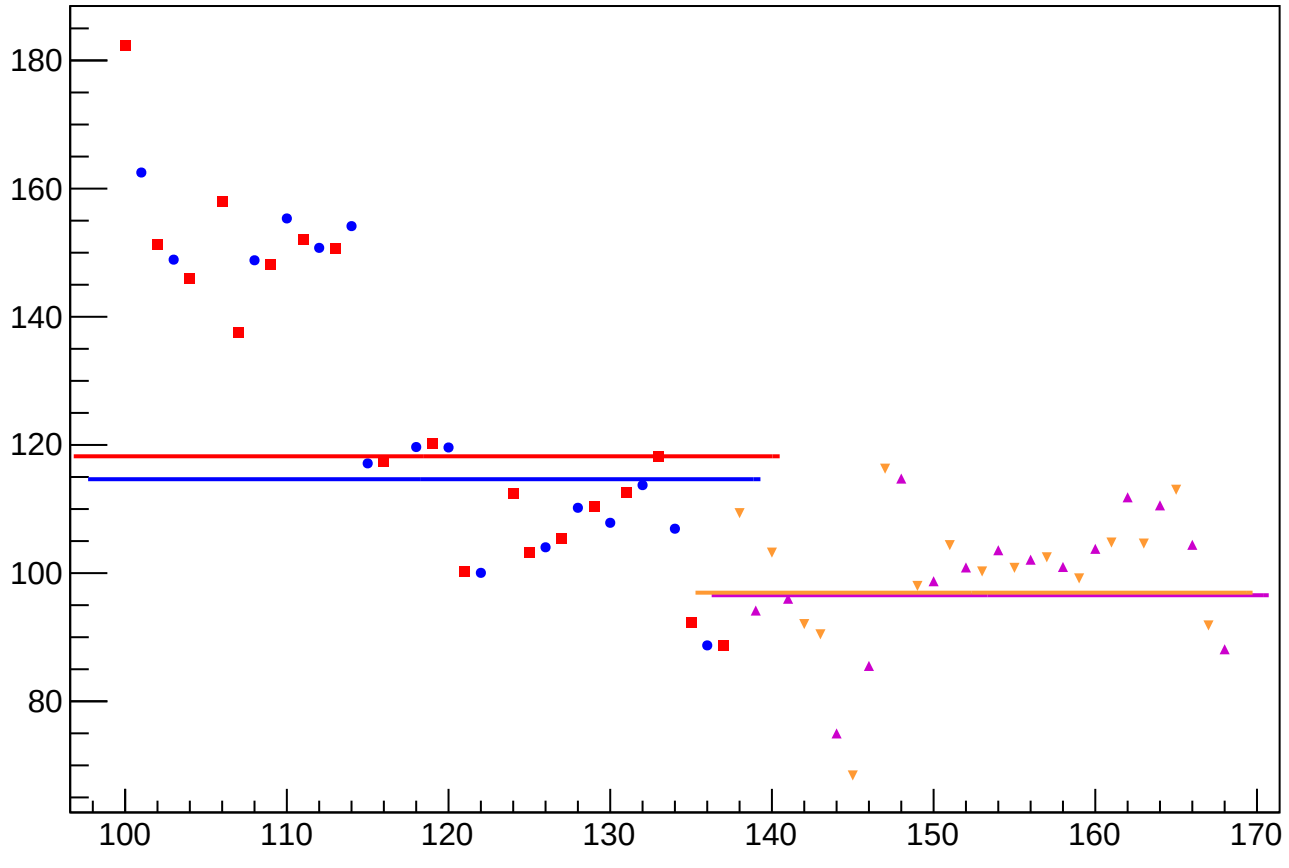
Left: 10.983+/-19.585 χ^2/NDF: 33.2/30

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 20.486+/-23.436 χ^2/NDF:27.3/30

Out: 24.532+/-23.375 χ^2/NDF:37.4/34

All: 22.514+/-16.550 χ^2/NDF: 64.7/65



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.950+/-0.020 χ^2/NDF:427460.4/15

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.549+/-0.020 χ^2/NDF:312945.6/14

Left: 96.751+/-0.014 χ^2/NDF: 740615.2/30

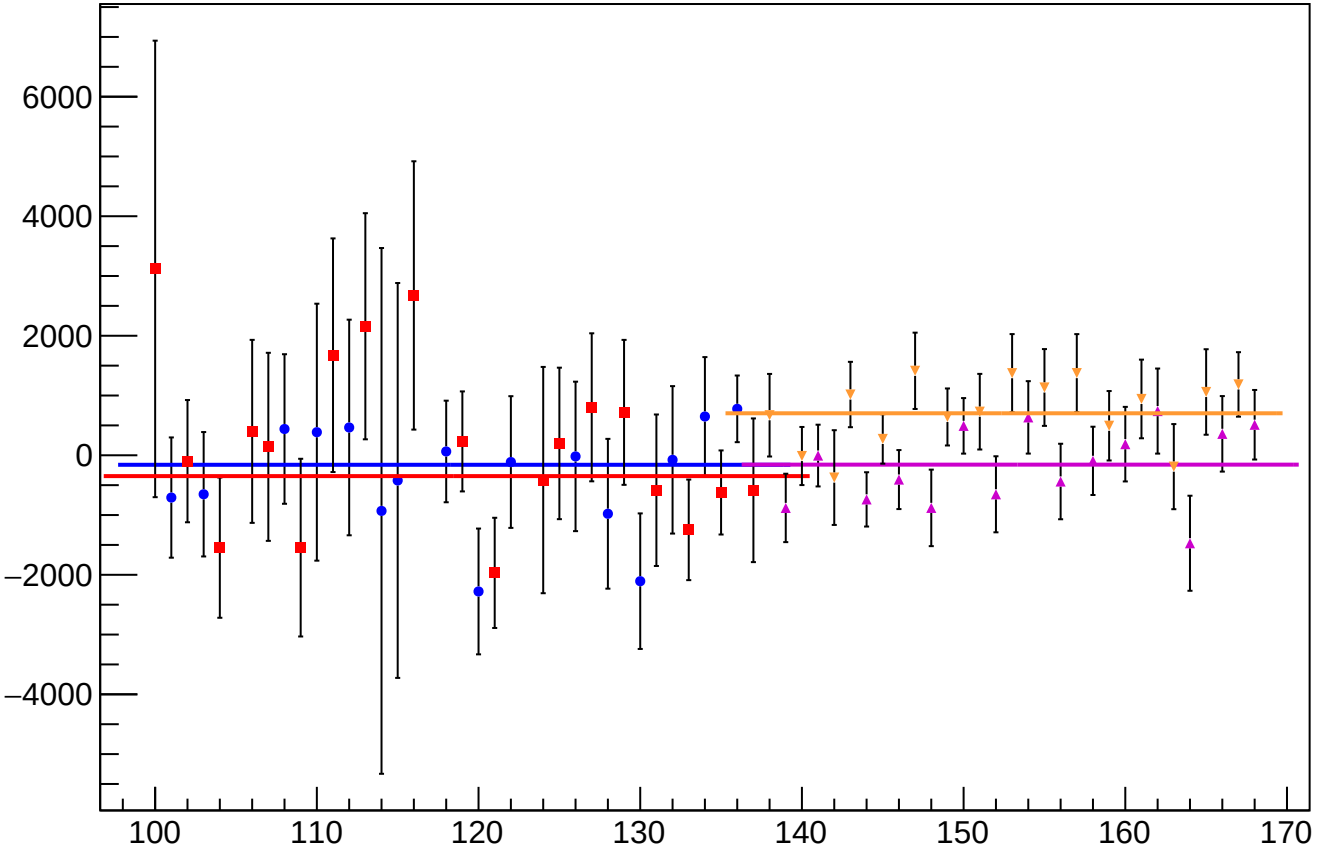
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.802+/-0.017 χ^2/NDF:1090755.5/30

Out: 102.947+/-0.017 χ^2/NDF:1246336.1/34

All: 102.376+/-0.012 χ^2/NDF: 2339481.9/65

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 702.752+/-147.141 χ^2/NDF:12.1/15

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -156.658+/-148.795 χ^2/NDF:15.9/14

Left: 277.851+/-104.624 χ^2/NDF: 44.9/30

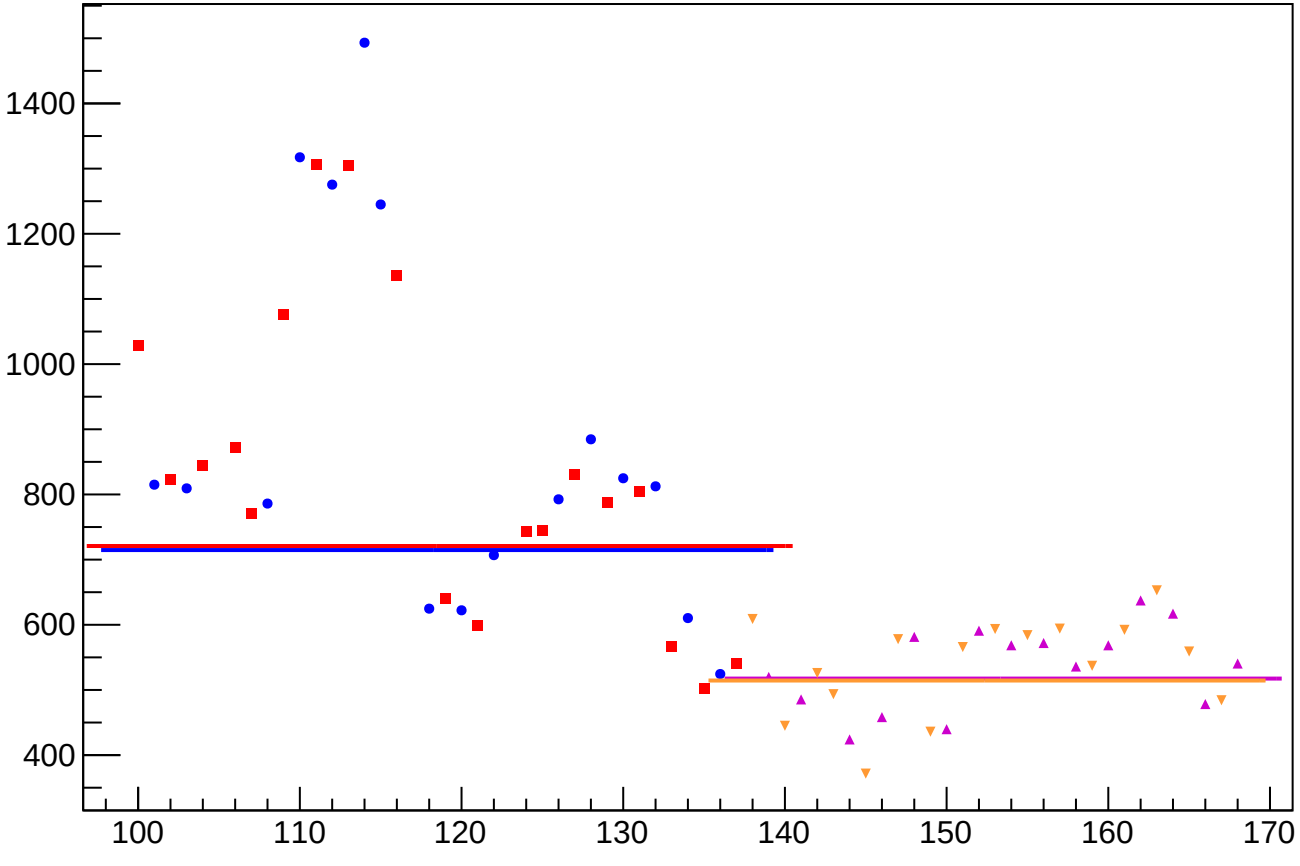
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -157.215+/-130.819 χ^2/NDF:27.9/30

Out: 466.901+/-129.589 χ^2/NDF:37.9/34

All: 157.792+/-92.065 χ^2/NDF: 77.3/65

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.479+/-0.104 χ^2/NDF:609959.2/15

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 517.463+/-0.105 χ^2/NDF:367000.3/14

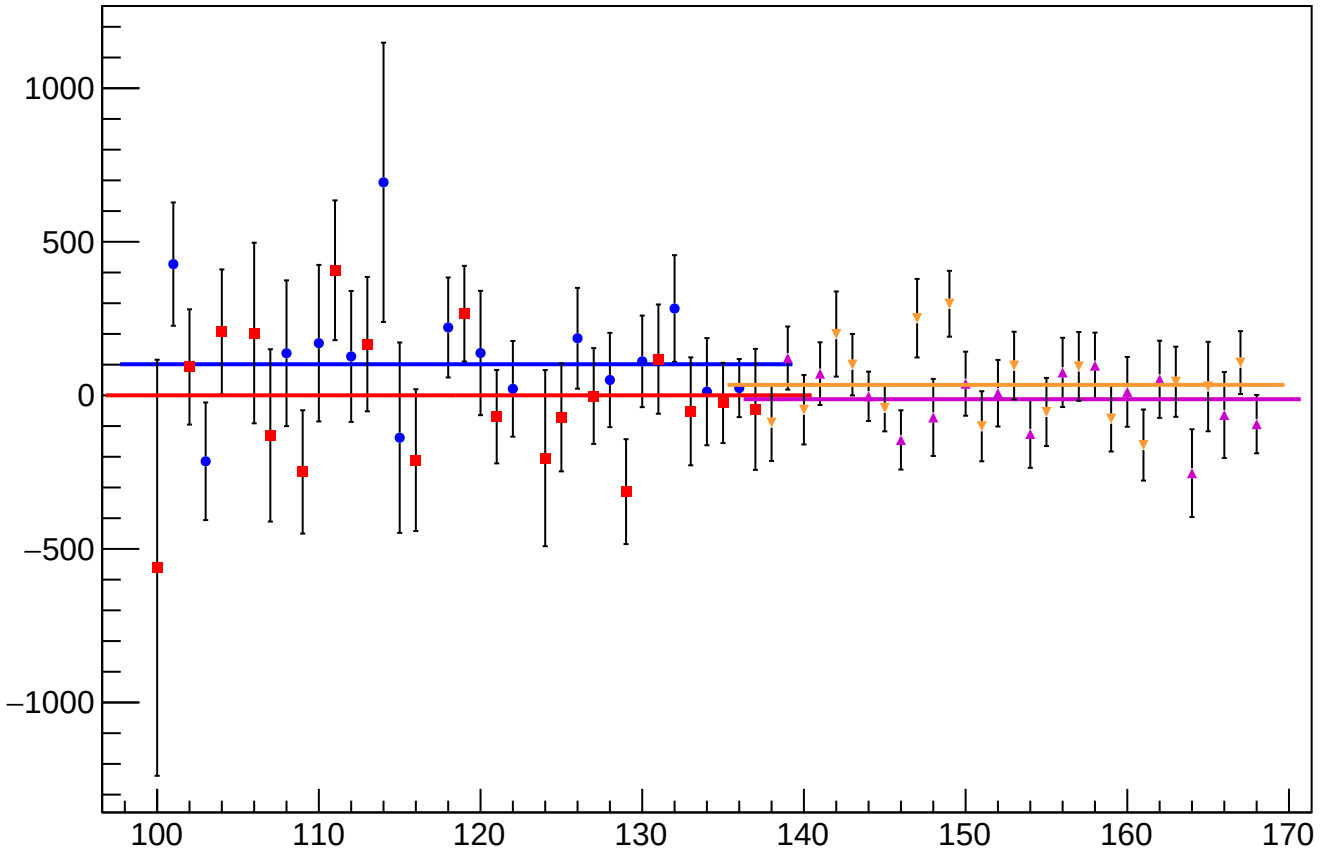
Left: 515.954+/-0.074 χ^2/NDF: 977366.2/30

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 562.234+/-0.093 χ^2/NDF:2040761.6/30

Out: 560.785+/-0.092 χ^2/NDF:2511320.2/34

All: 561.503+/-0.065 χ^2/NDF: 4552205.4/65



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 34.107+/-27.582 χ^2/NDF:20.3/15

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -12.536+/-27.816 χ^2/NDF:11.5/14

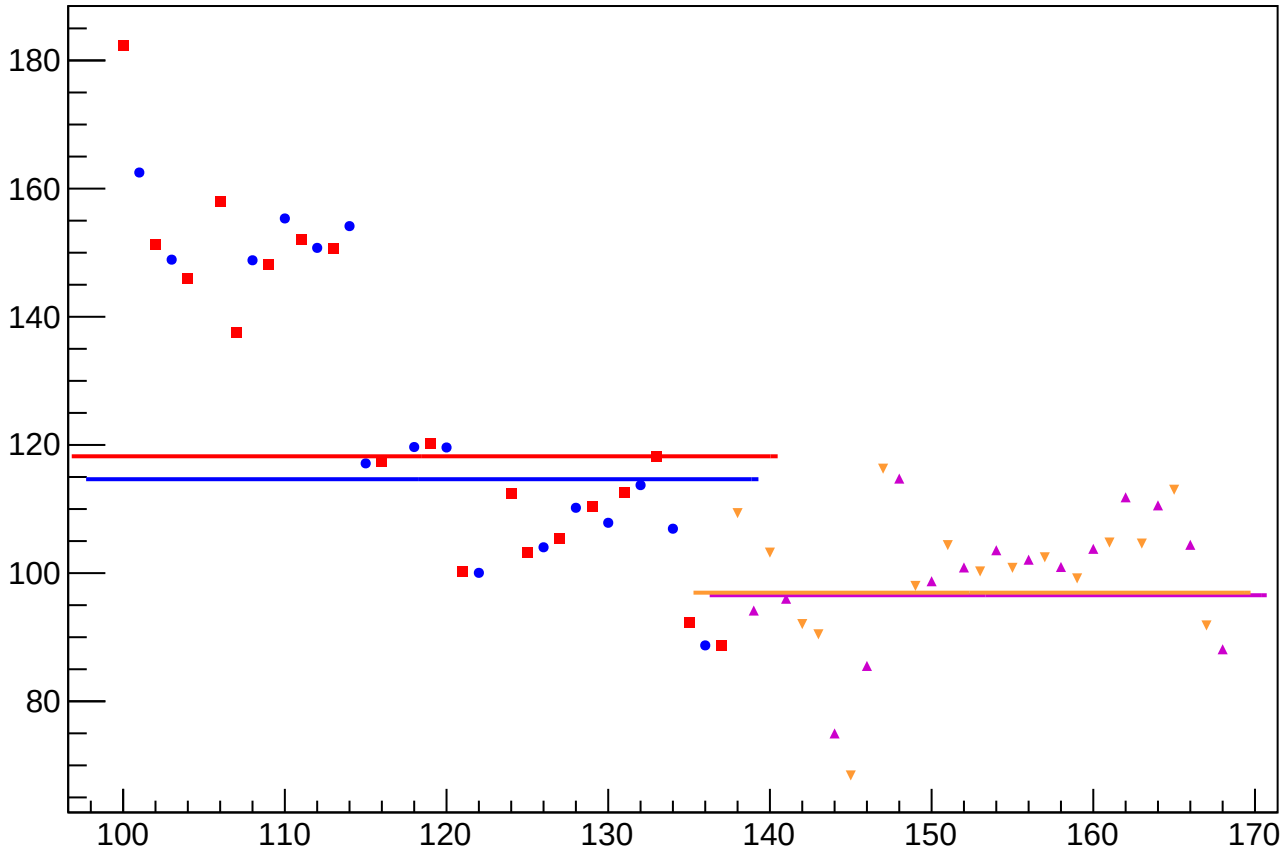
Left: 10.982+/-19.585 χ^2/NDF: 33.2/30

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 20.484+/-23.436 χ^2/NDF:27.3/30

Out: 24.531+/-23.375 χ^2/NDF:37.4/34

All: 22.513+/-16.550 χ^2/NDF: 64.7/65



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.950+/-0.020 χ^2/NDF:427467.7/15

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.550+/-0.020 χ^2/NDF:312947.1/14

Left: 96.752+/-0.014 χ^2/NDF: 740623.9/30

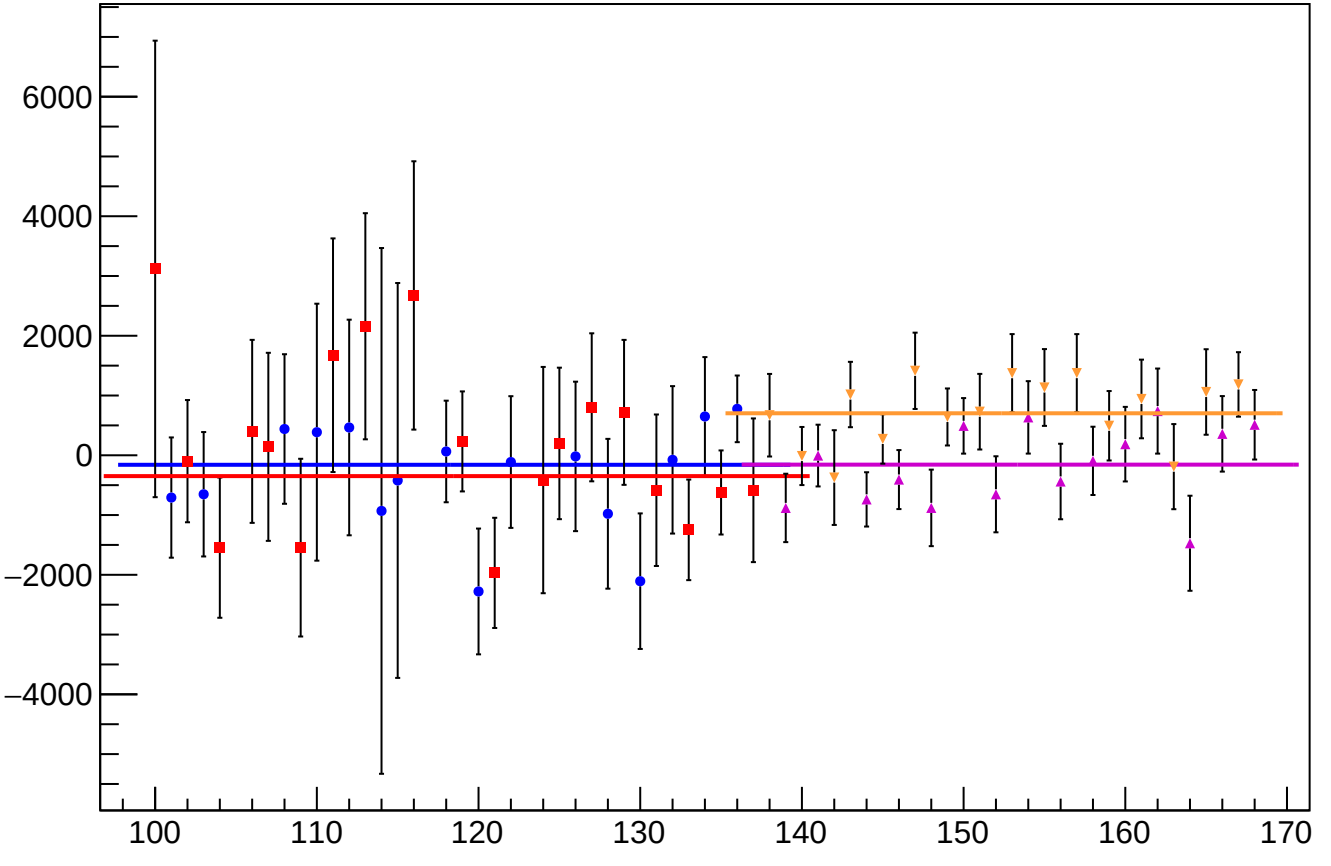
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.802+/-0.017 χ^2/NDF:1090746.9/30

Out: 102.947+/-0.017 χ^2/NDF:1246336.8/34

All: 102.376+/-0.012 χ^2/NDF: 2339473.6/65

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: 702.751+/-147.141 χ^2/NDF:12.1/15

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -156.659+/-148.795 χ^2/NDF:15.9/14

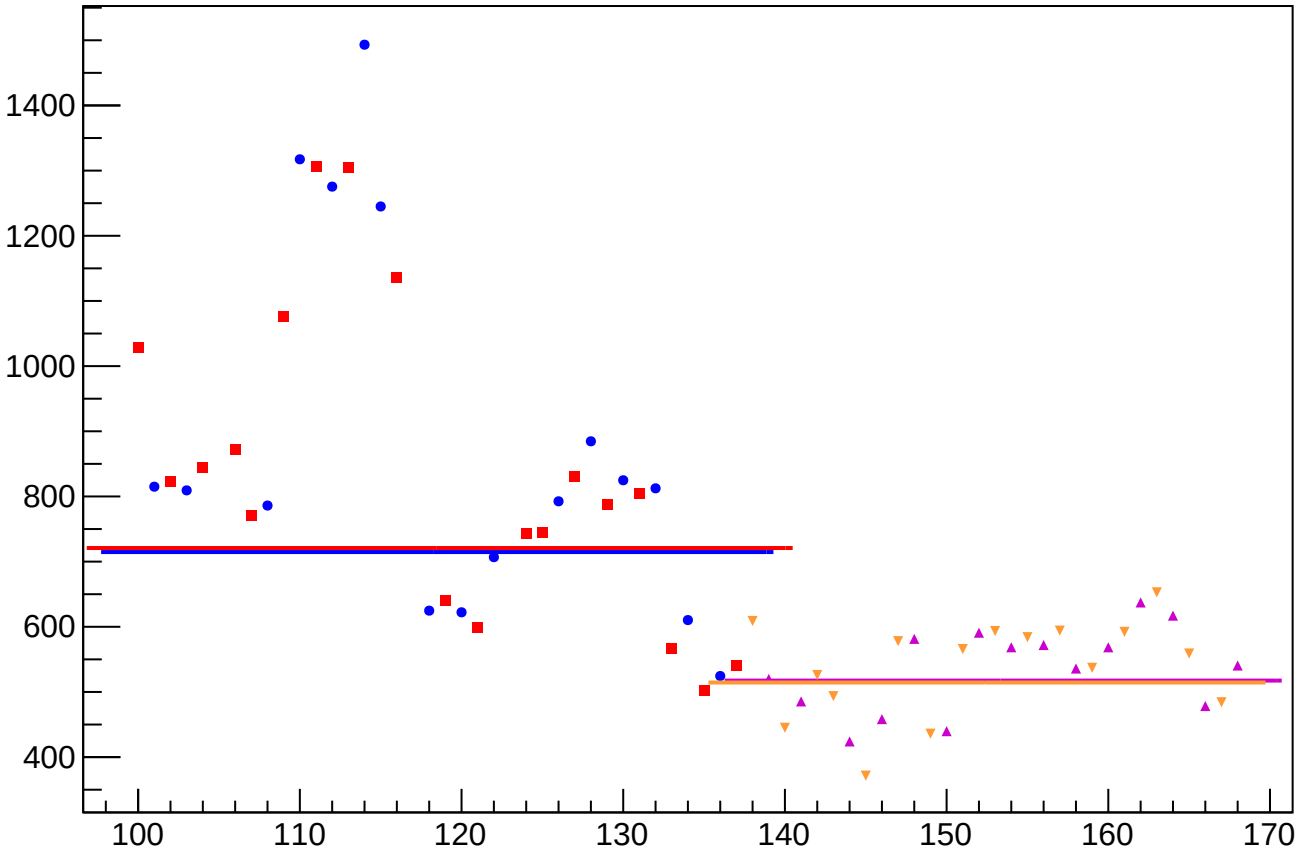
Left: 277.851+/-104.624 χ^2/NDF: 44.9/30

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -157.216+/-130.819 χ^2/NDF:27.9/30

Out: 466.900+/-129.589 χ^2/NDF:37.9/34

All: 157.791+/-92.065 χ^2/NDF: 77.3/65



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 514.479+/-0.104 χ^2/NDF:609961.6/15

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 517.463+/-0.105 χ^2/NDF:366998.8/14

Left: 515.954+/-0.074 χ^2/NDF: 977367.1/30

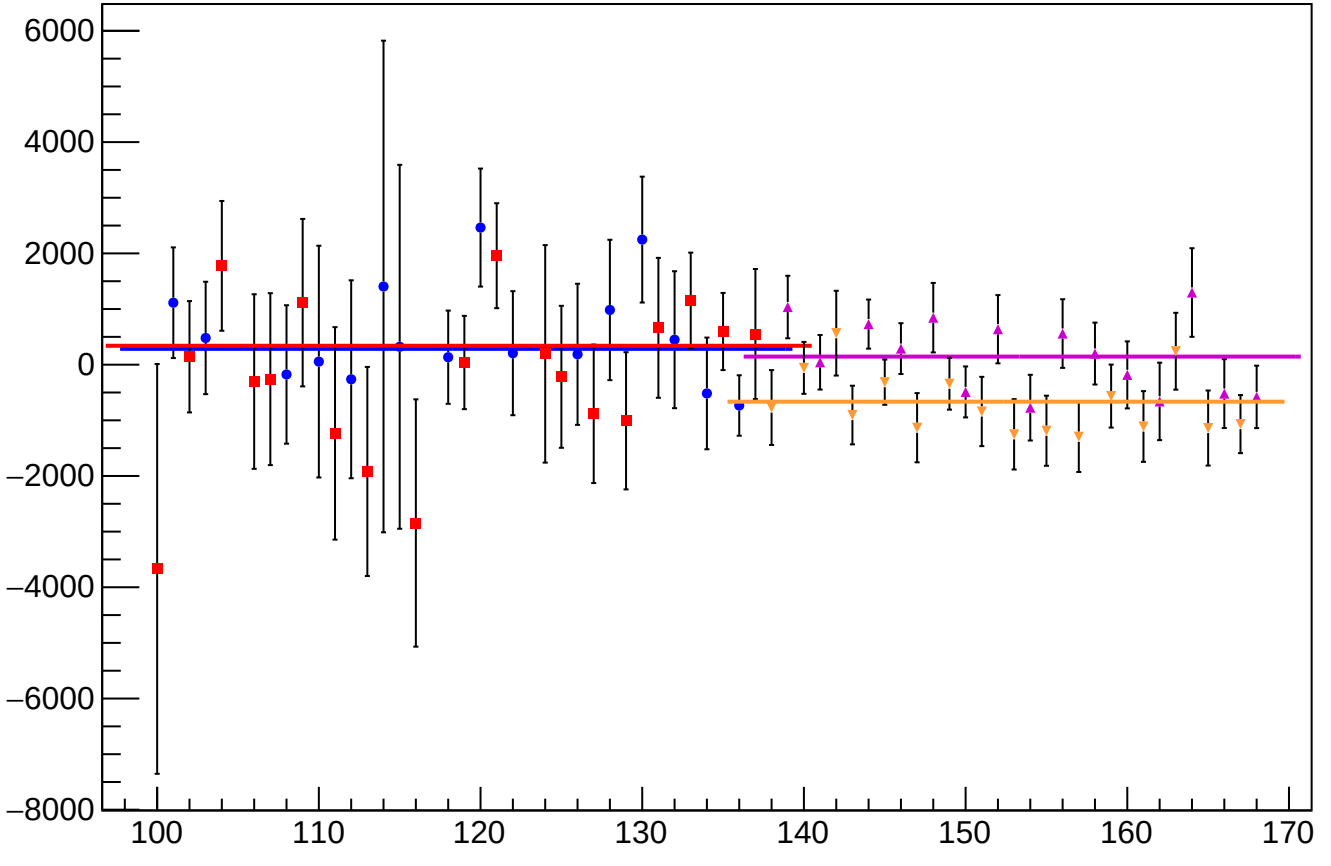
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 562.234+/-0.093 χ^2/NDF:2040754.1/30

Out: 560.785+/-0.092 χ^2/NDF:2511315.1/34

All: 561.503+/-0.065 χ^2/NDF: 4552192.9/65

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -664.937+/-142.802 χ^2/NDF:12.3/15

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 145.432+/-144.081 χ^2/NDF:17.7/14

Left: -263.365+/-101.425 χ^2/NDF: 45.9/30

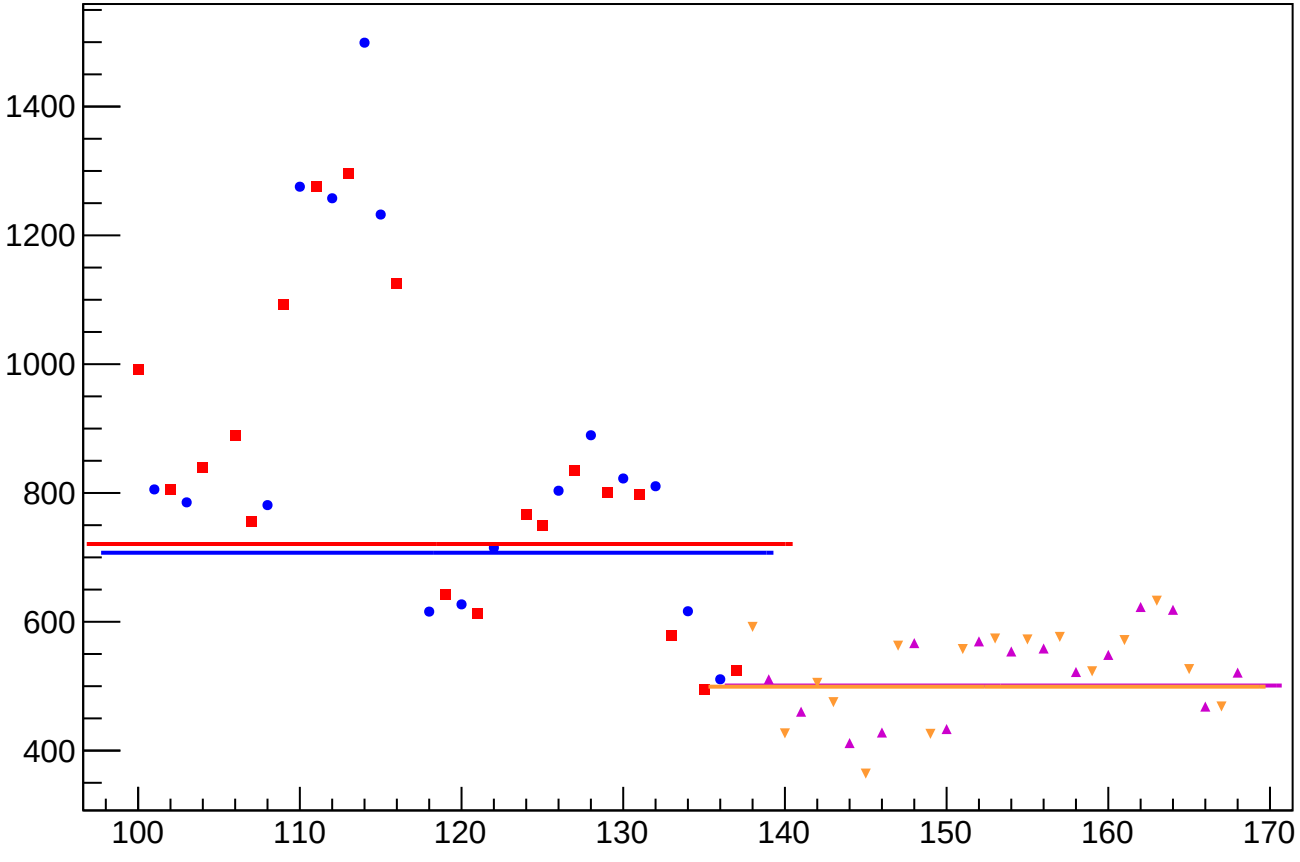
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 175.975+/-127.315 χ^2/NDF:30.7/30

Out: -449.784+/-126.596 χ^2/NDF:37.0/34

All: -138.678+/-89.770 χ^2/NDF: 79.8/65

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 499.253+/-0.101 χ^2/NDF:598738.5/15

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.027+/-0.102 χ^2/NDF:400092.9/14

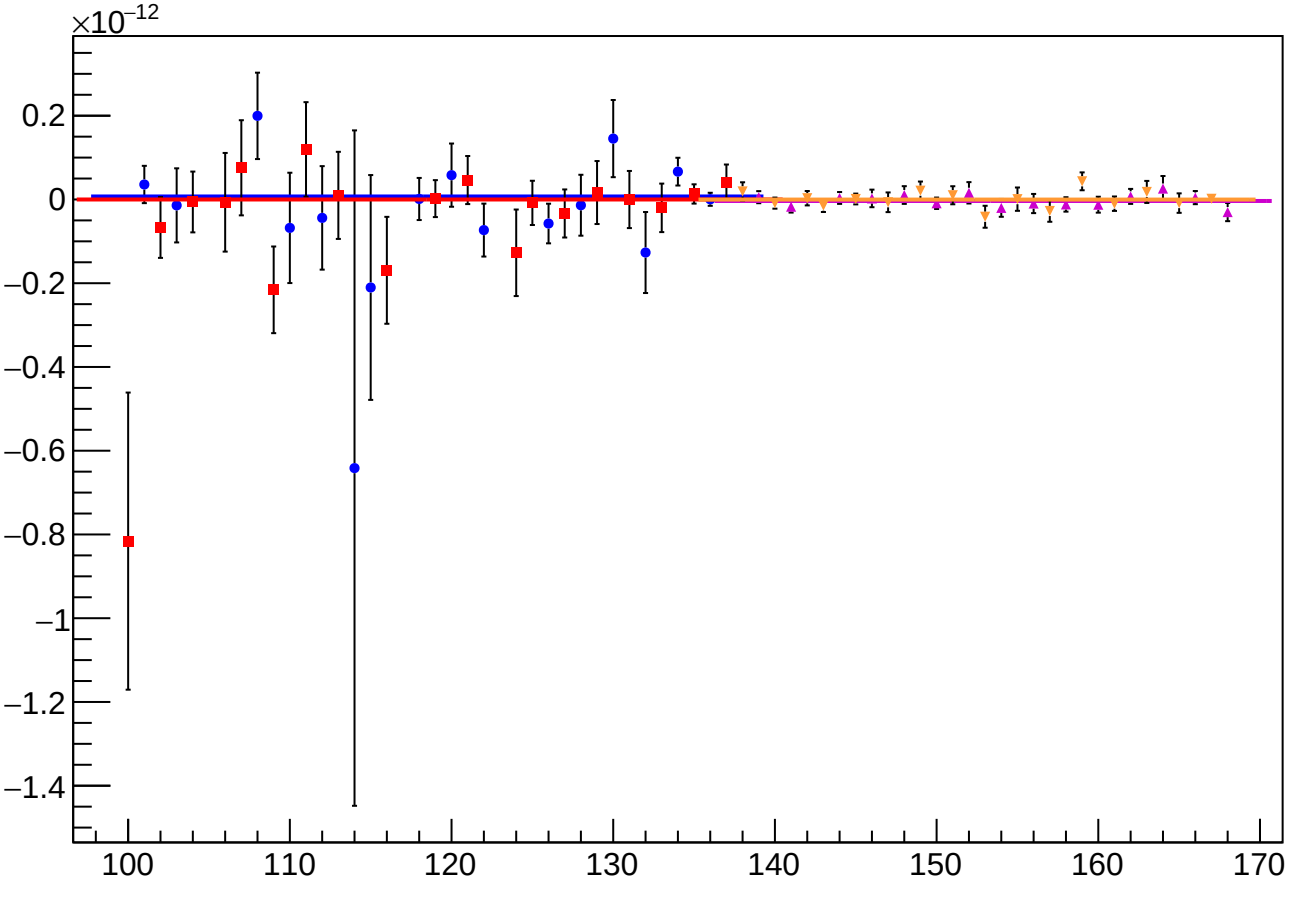
Left: 500.132+/-0.072 χ^2/NDF: 998984.2/30

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.218+/-0.090 χ^2/NDF:2194470.7/30

Out: 546.680+/-0.090 χ^2/NDF:2644421.5/34

All: 546.450+/-0.063 χ^2/NDF: 4838905.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/14

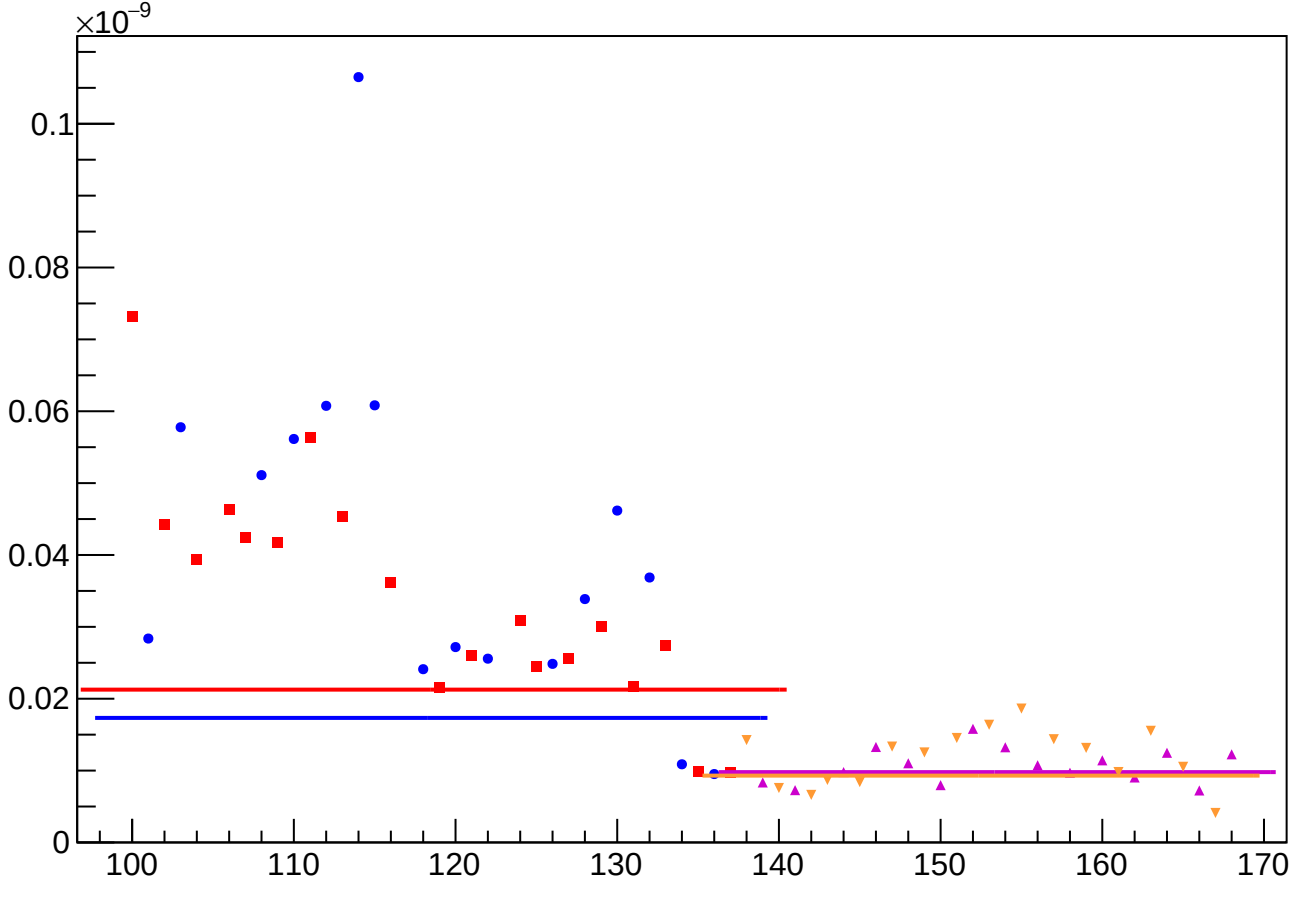
Left: -0.000+/-0.000 χ^2/NDF: 19.4/30

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:25.2/30

Out: -0.000+/-0.000 χ^2/NDF:29.9/34

All: -0.000+/-0.000 χ^2/NDF: 55.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1675938.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:461863.6/14

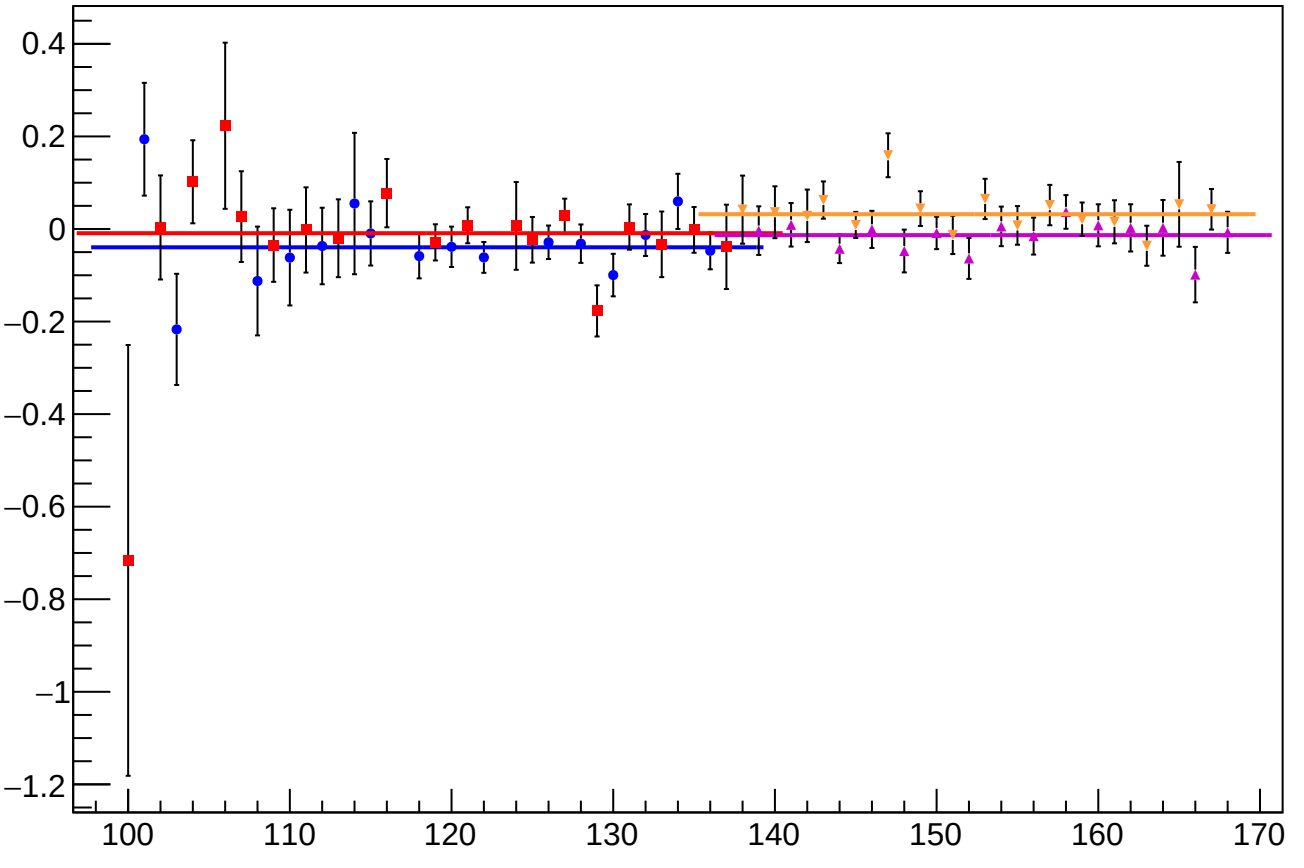
Left: 0.000+/-0.000 χ^2/NDF: 2149572.0/30

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3574101.9/30

Out: 0.000+/-0.000 χ^2/NDF:4788337.3/34

All: 0.000+/-0.000 χ^2/NDF: 8370704.9/65



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.011 χ^2/NDF:7.6/14

Left: 0.010+/-0.008 χ^2/NDF: 29.8/30

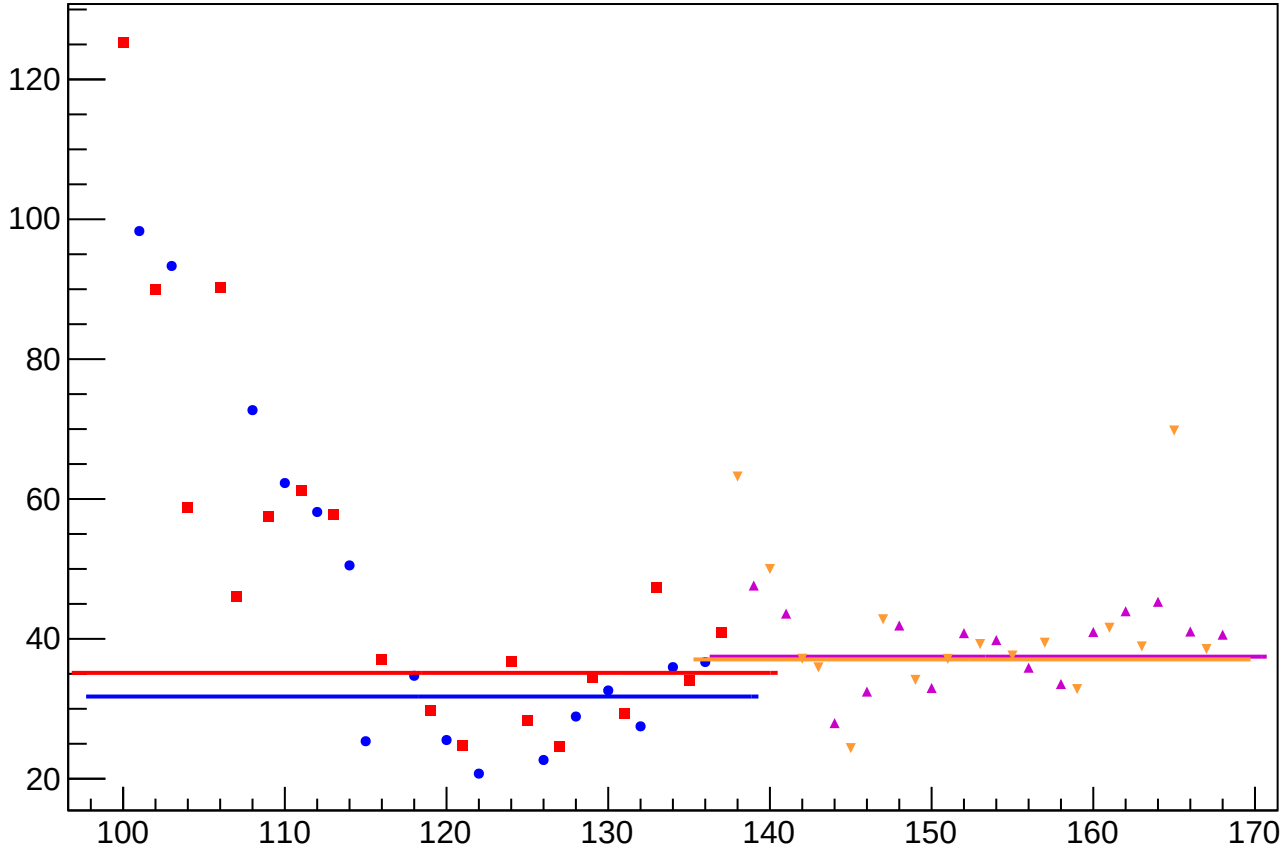
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.008 χ^2/NDF:22.4/30

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/65

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.062+/-0.008 χ^2/NDF:1127242.5/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518385.8/14

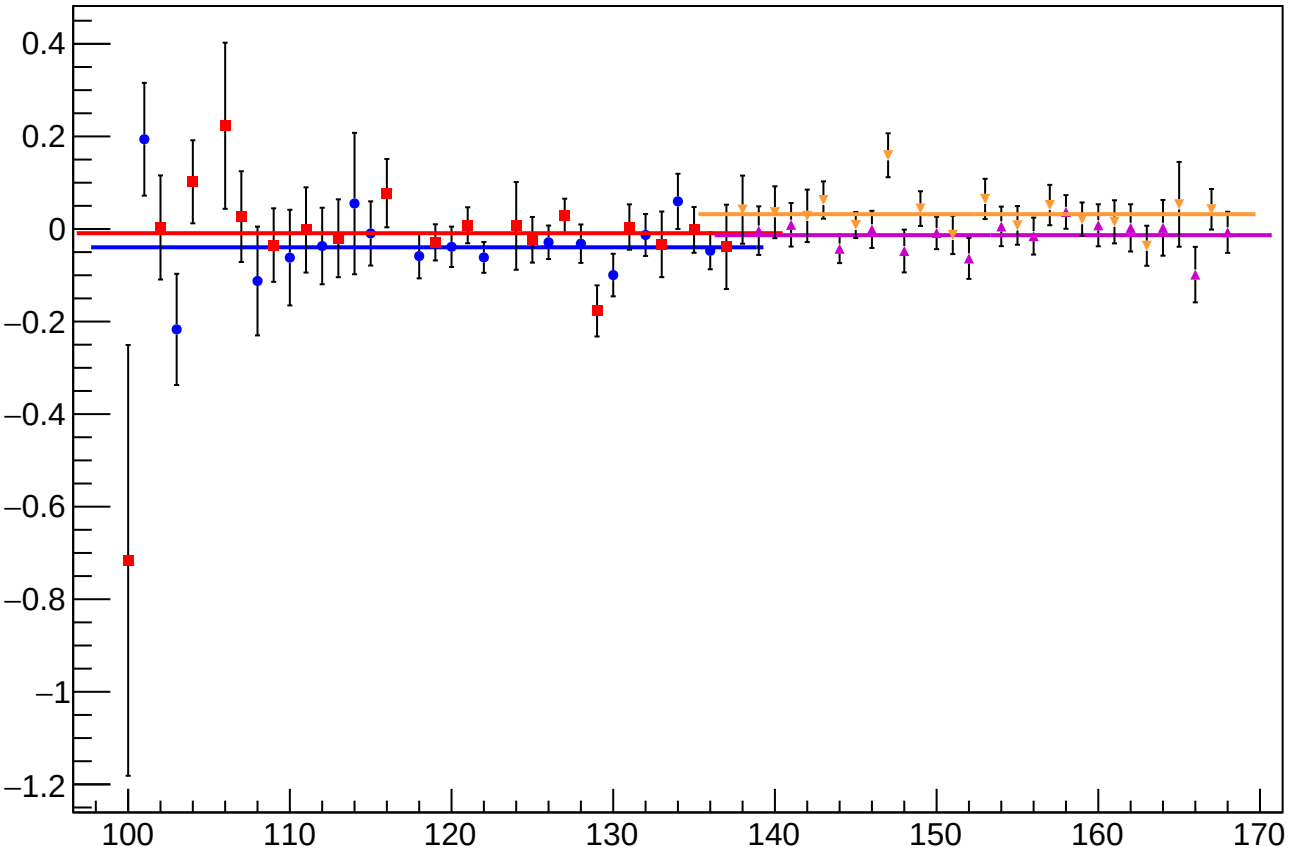
Left: 37.256+/-0.005 χ^2/NDF: 1646922.3/30

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.090+/-0.006 χ^2/NDF:2990263.4/30

Out: 36.349+/-0.006 χ^2/NDF:2995100.7/34

All: 35.709+/-0.004 χ^2/NDF: 6007055.4/65



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.011 χ^2/NDF:7.6/14

Left: 0.010+/-0.008 χ^2/NDF: 29.8/30

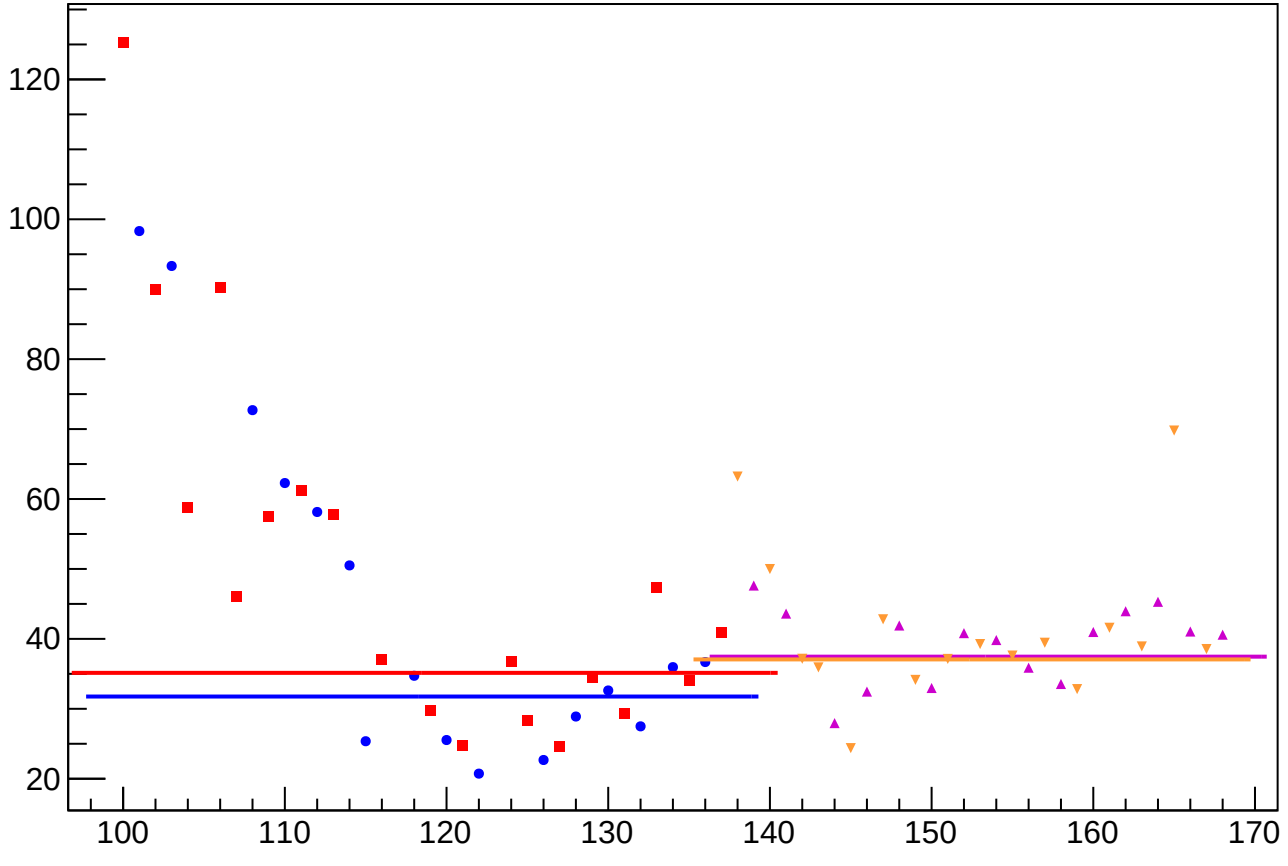
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.008 χ^2/NDF:22.4/30

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/65

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: 37.062+/-0.008 χ^2/NDF:1127242.5/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518385.8/14

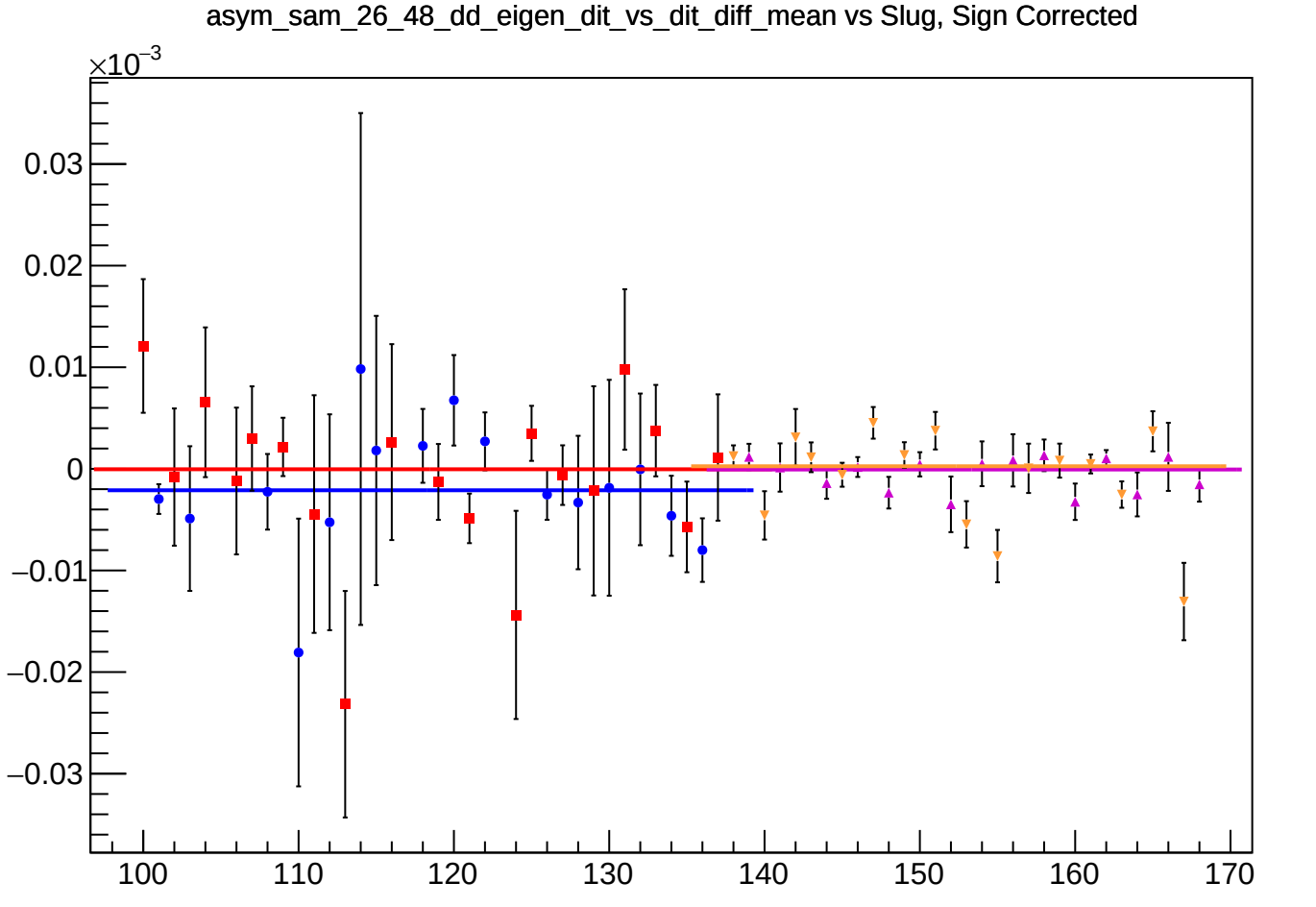
Left: 37.256+/-0.005 χ^2/NDF: 1646922.3/30

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 35.090+/-0.006 χ^2/NDF:2990263.4/30

Out: 36.349+/-0.006 χ^2/NDF:2995100.7/34

All: 35.709+/-0.004 χ^2/NDF: 6007055.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:56.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/14

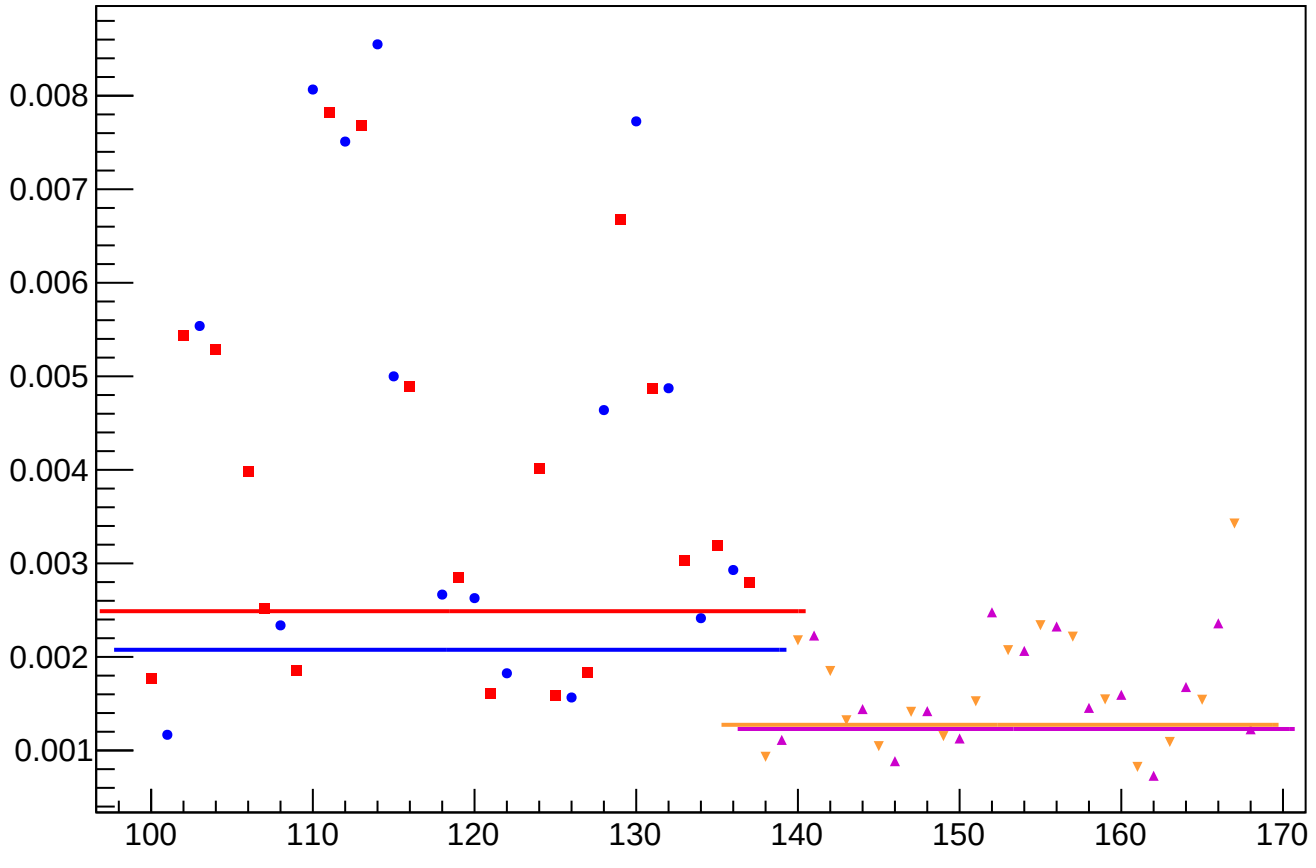
Left: 0.000+/-0.000 χ^2/NDF: 71.0/30

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:32.7/30

Out: 0.000+/-0.000 χ^2/NDF:78.4/34

All: -0.000+/-0.000 χ^2/NDF: 112.5/65



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2853145.1/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2956089.1/14

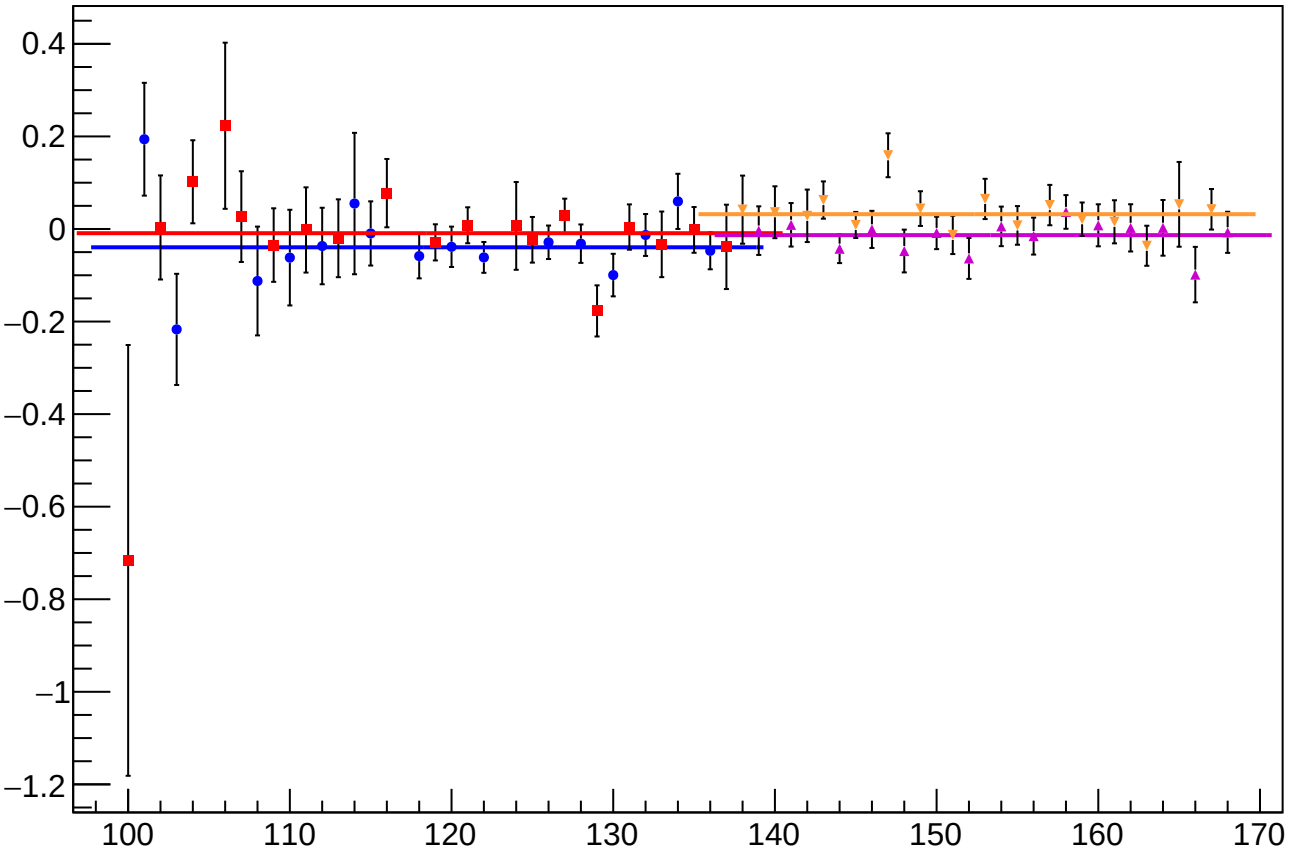
Left: 0.001+/-0.000 χ^2/NDF: 5822655.0/30

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8342929.7/30

Out: 0.001+/-0.000 χ^2/NDF:8331707.6/34

All: 0.001+/-0.000 χ^2/NDF: 16705773.7/65



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.011 χ^2/NDF:7.6/14

Left: 0.010+/-0.008 χ^2/NDF: 29.8/30

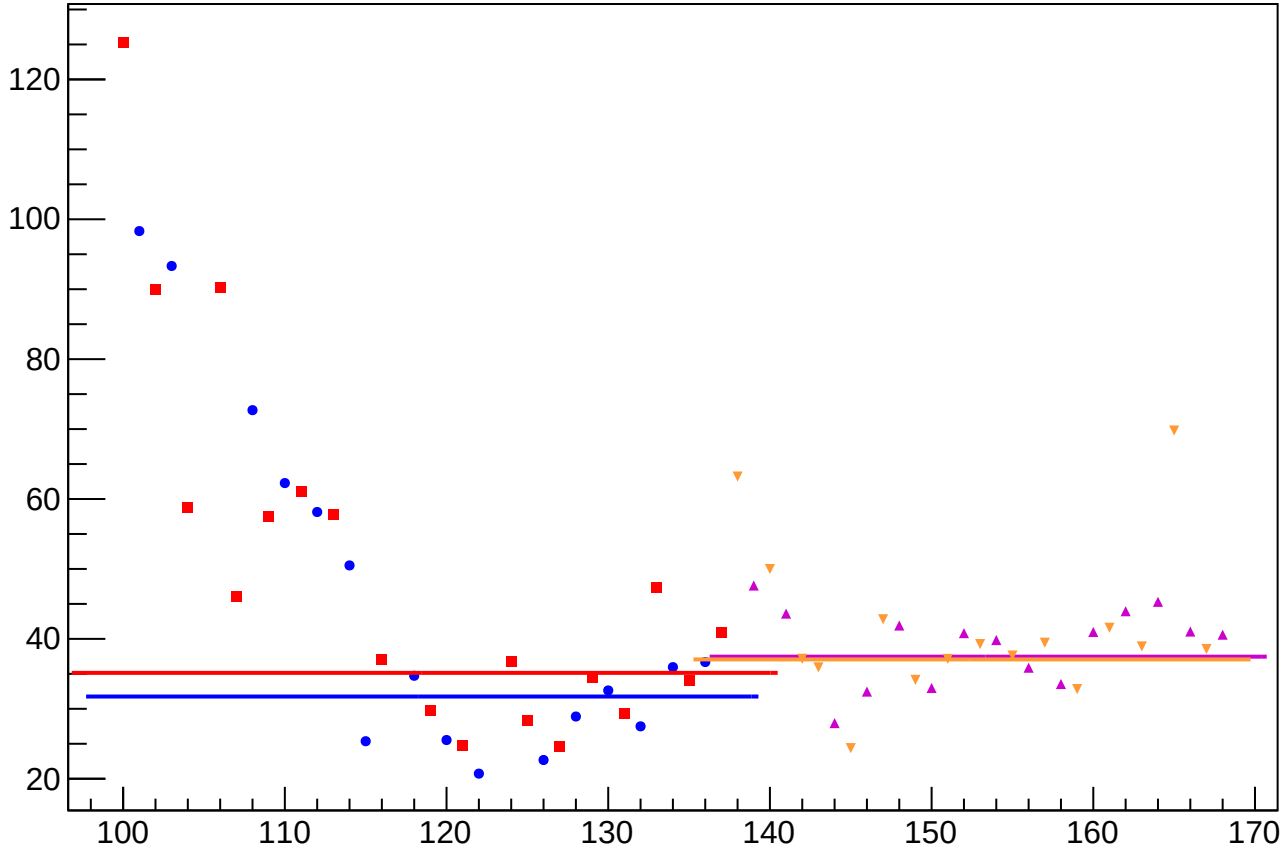
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.008 χ^2/NDF:22.4/30

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/65

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: 37.062+/-0.008 χ^2/NDF:1127267.6/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518370.3/14

Left: 37.256+/-0.005 χ^2/NDF: 1646932.1/30

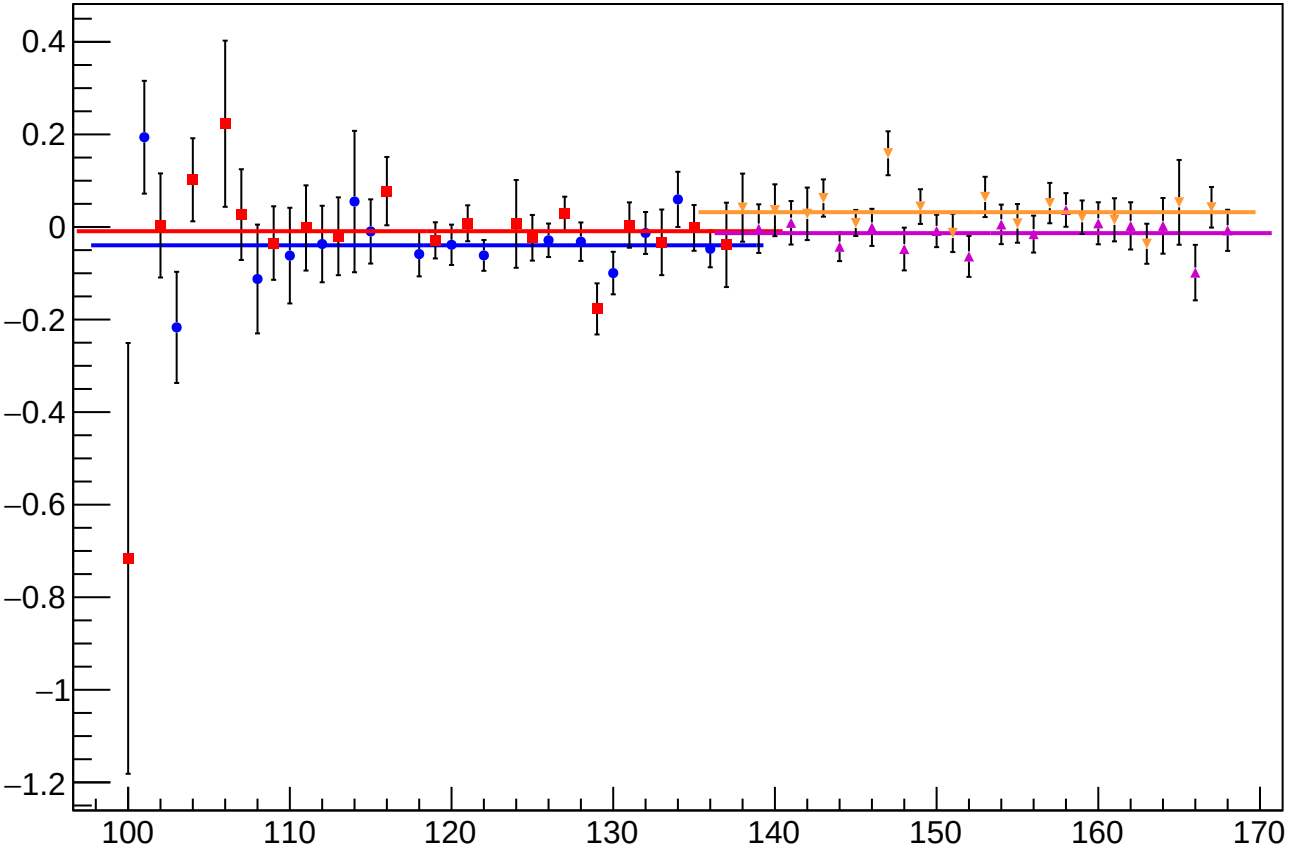
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.090+/-0.006 χ^2/NDF:2990195.7/30

Out: 36.350+/-0.006 χ^2/NDF:2995010.3/34

All: 35.709+/-0.004 χ^2/NDF: 6006896.5/65

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.032+/-0.011 χ^2/NDF:13.7/15

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.011 χ^2/NDF:7.6/14

Left: 0.010+/-0.008 χ^2/NDF: 29.8/30

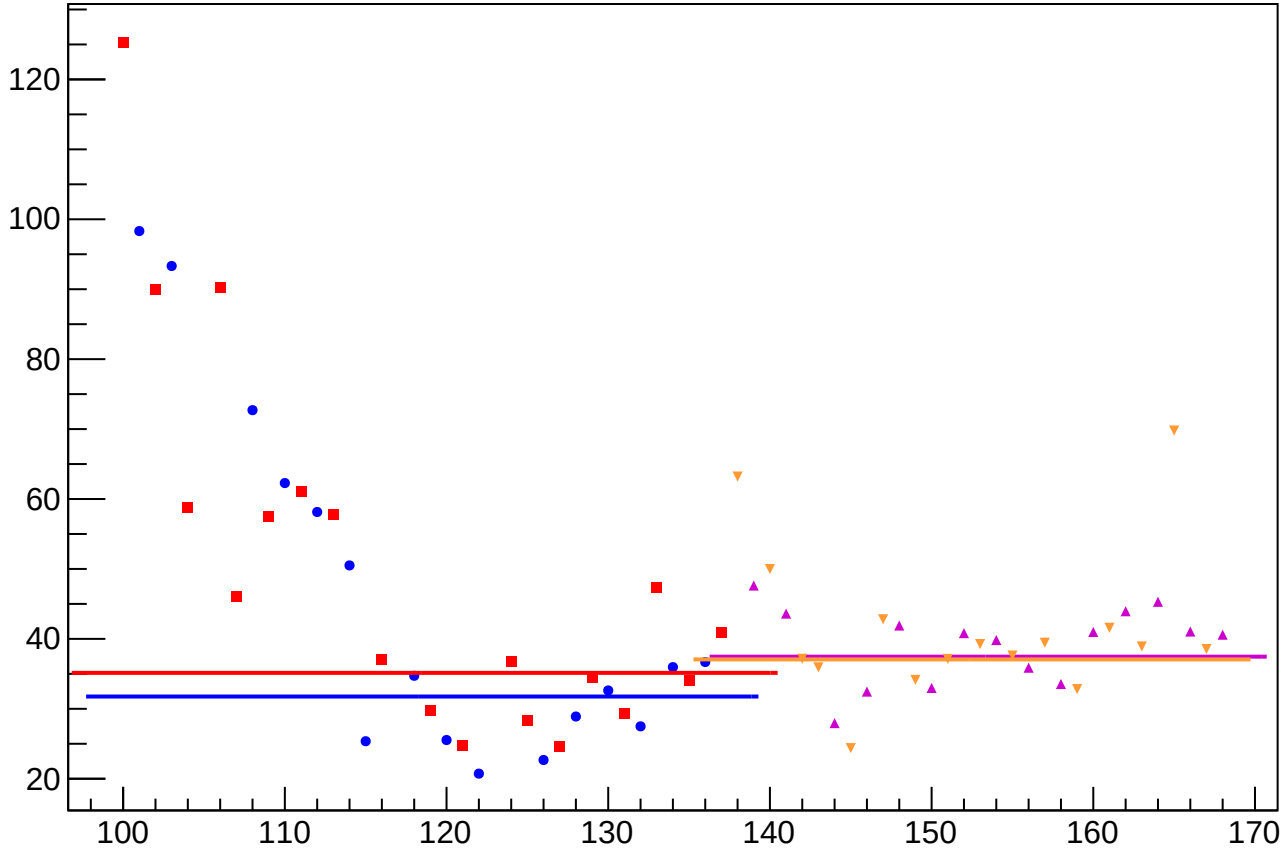
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.008 χ^2/NDF:22.4/30

Out: 0.017+/-0.009 χ^2/NDF:37.3/34

All: -0.004+/-0.006 χ^2/NDF: 71.1/65

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: 37.062+/-0.008 χ^2/NDF:1127267.6/15

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.457+/-0.008 χ^2/NDF:518370.3/14

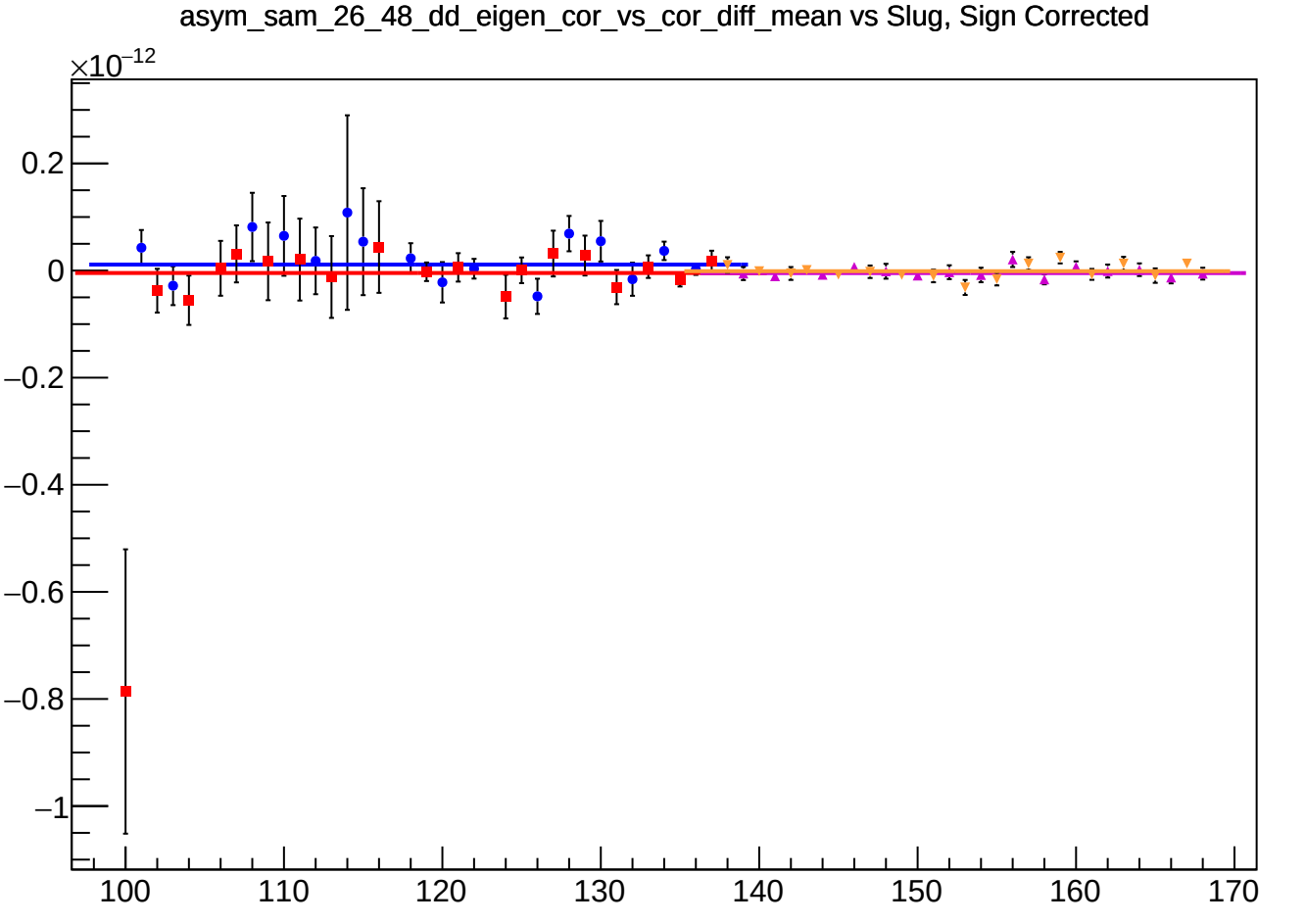
Left: 37.256+/-0.005 χ^2/NDF: 1646932.1/30

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 35.090+/-0.006 χ^2/NDF:2990195.7/30

Out: 36.350+/-0.006 χ^2/NDF:2995010.3/34

All: 35.709+/-0.004 χ^2/NDF: 6006896.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/14

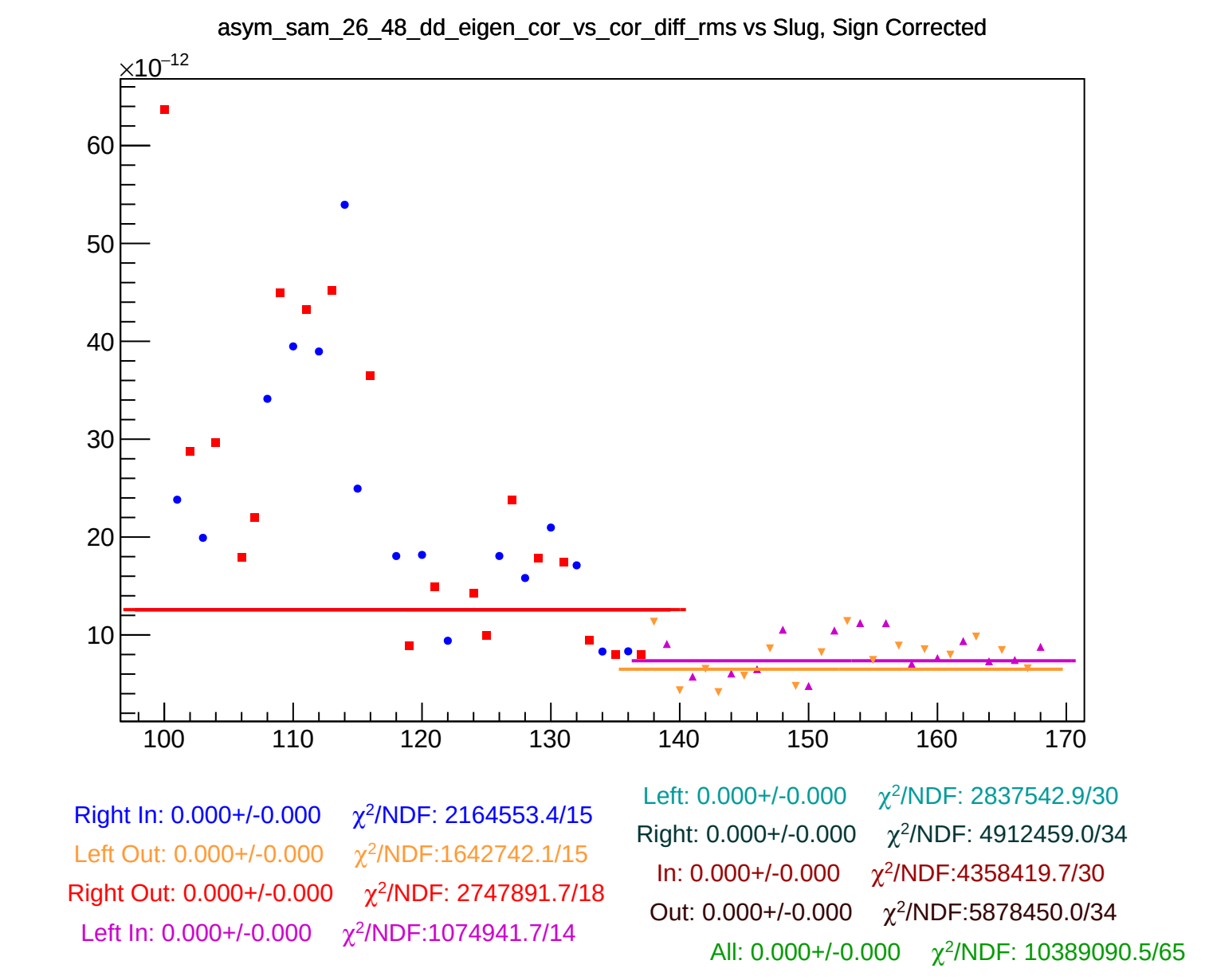
Left: -0.000+/-0.000 χ^2/NDF: 32.0/30

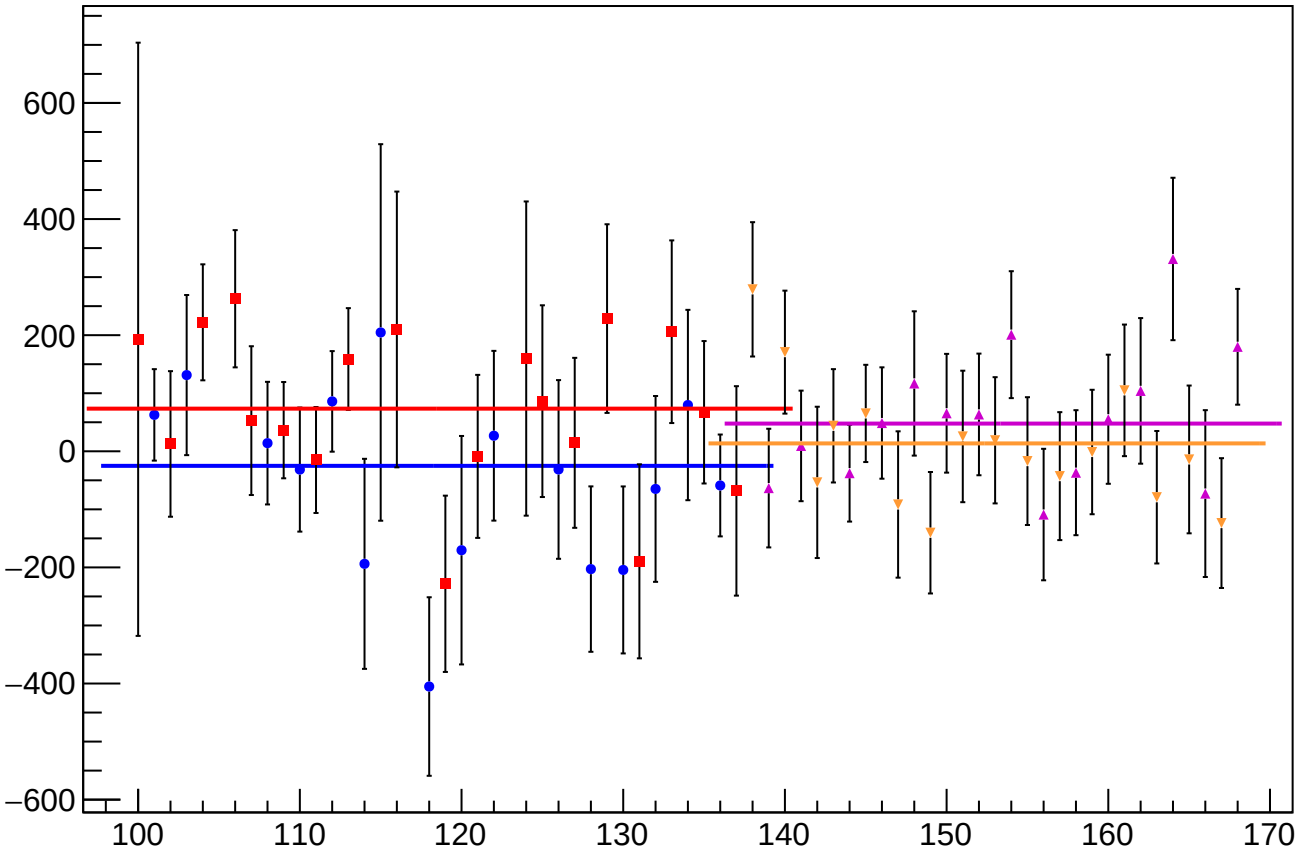
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.3/30

Out: -0.000+/-0.000 χ^2/NDF:38.5/34

All: -0.000+/-0.000 χ^2/NDF: 70.9/65


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1642742.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1074941.7/14
Left: 0.000+/-0.000 χ²/NDF: 2837542.9/30
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4358419.7/30
Out: 0.000+/-0.000 χ²/NDF:5878450.0/34
All: 0.000+/-0.000 χ²/NDF: 10389090.5/65



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.580+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 47.727+/-27.708 χ^2/NDF:14.0/14

Left: 30.439+/-19.469 χ^2/NDF: 29.1/30

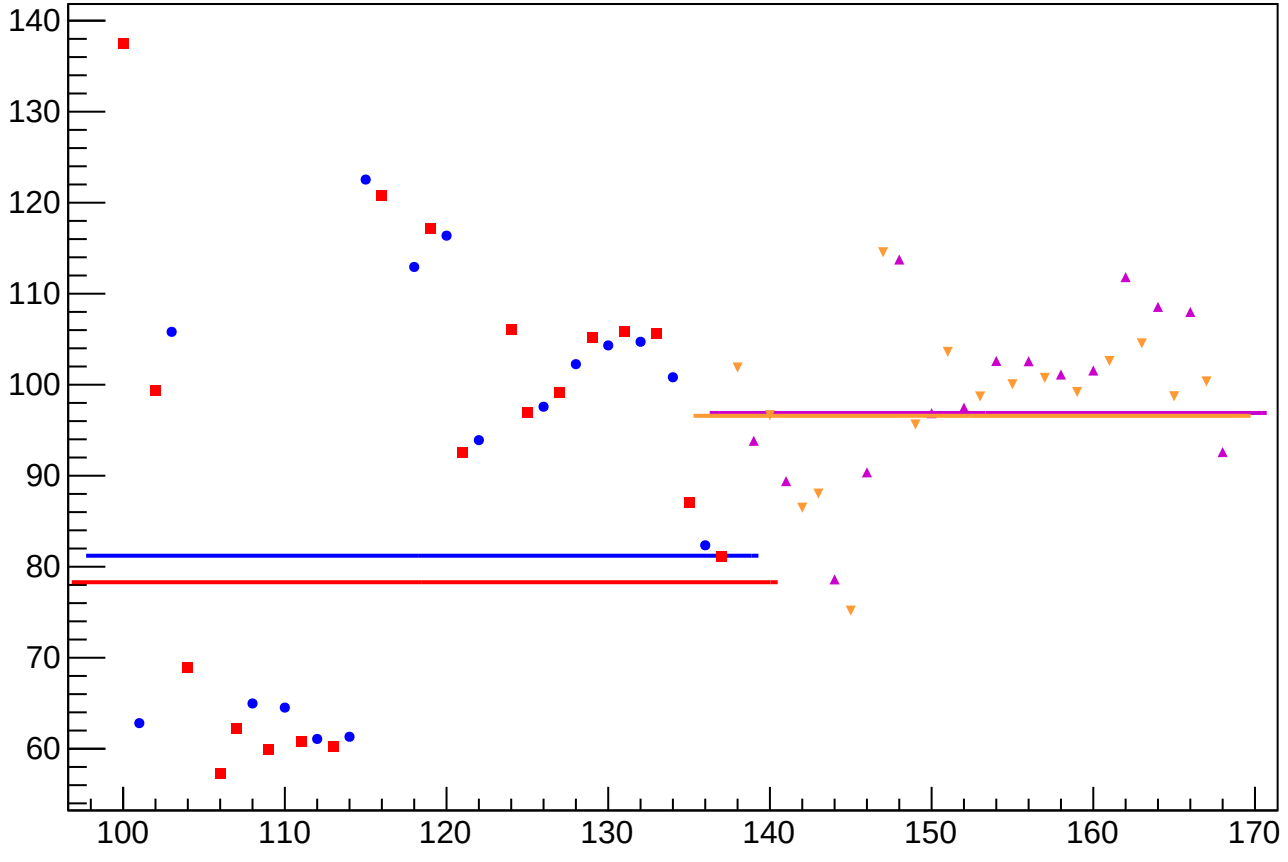
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 15.662+/-20.726 χ^2/NDF:33.3/30

Out: 40.835+/-20.196 χ^2/NDF:33.3/34

All: 28.575+/-14.465 χ^2/NDF: 67.3/65

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

Left: 96.739+/-0.014 χ^2/NDF: 467348.9/30

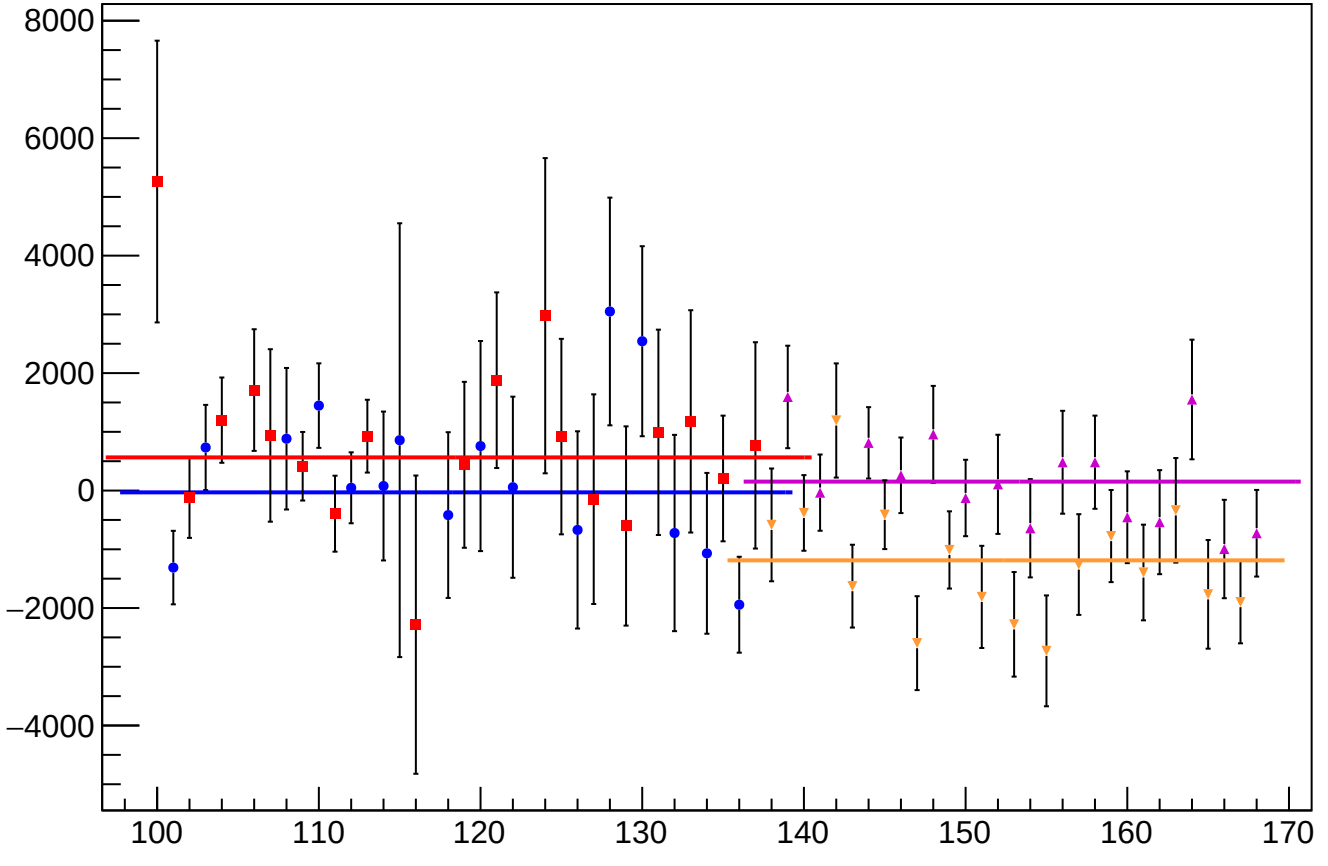
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.987+/-0.015 χ^2/NDF:1301396.9/30

Out: 88.261+/-0.014 χ^2/NDF:1577155.1/34

All: 89.102+/-0.010 χ^2/NDF: 2885670.3/65

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: -1188.123+/-196.043 χ^2/NDF:20.7/15

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 152.246+/-198.020 χ^2/NDF:12.8/14

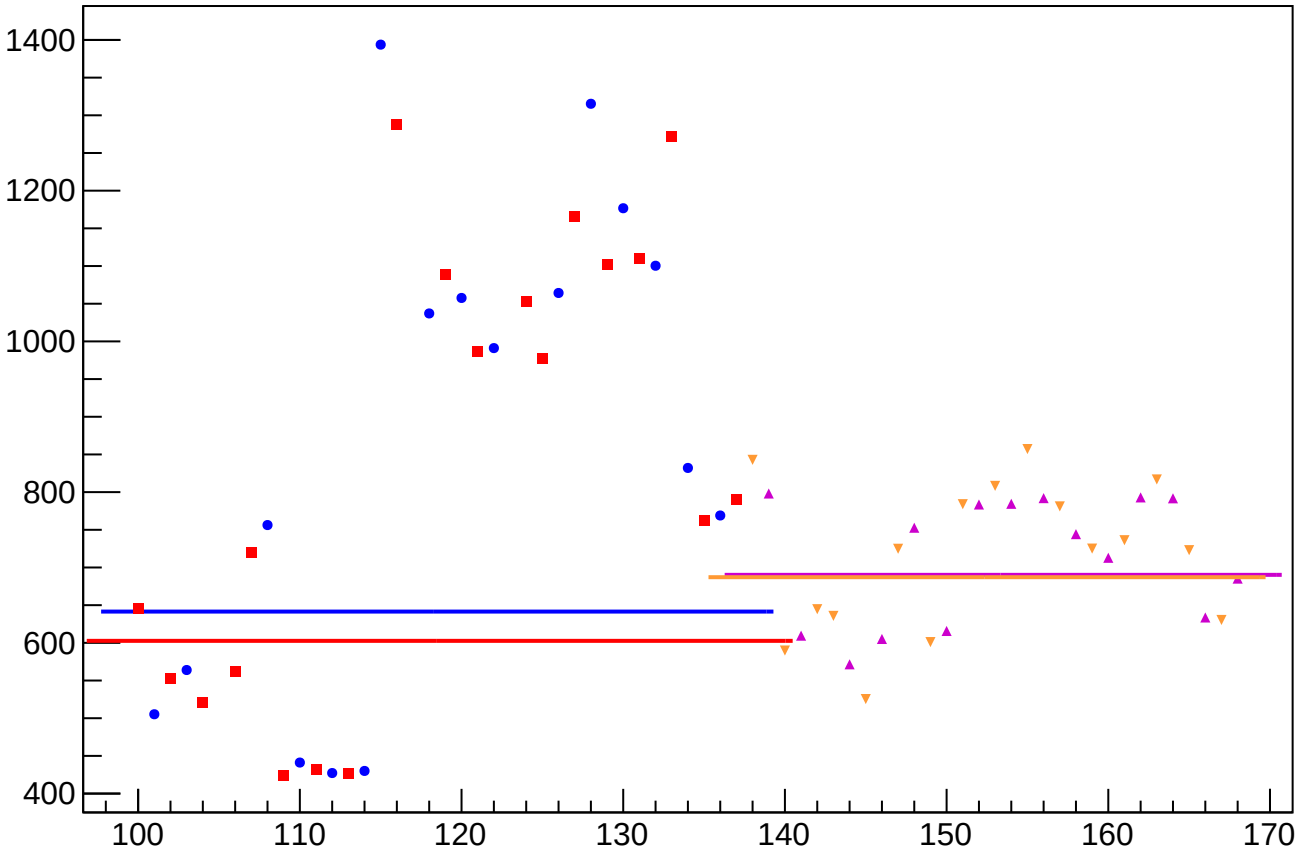
Left: -524.662+/-139.317 χ^2/NDF: 56.6/30

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 84.204+/-156.858 χ^2/NDF:35.0/30

Out: -481.246+/-151.444 χ^2/NDF:66.2/34

All: -208.447+/-108.951 χ^2/NDF: 107.9/65



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 687.110+/-0.139 χ^2/NDF:525162.6/15

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 690.231+/-0.140 χ^2/NDF:354265.4/14

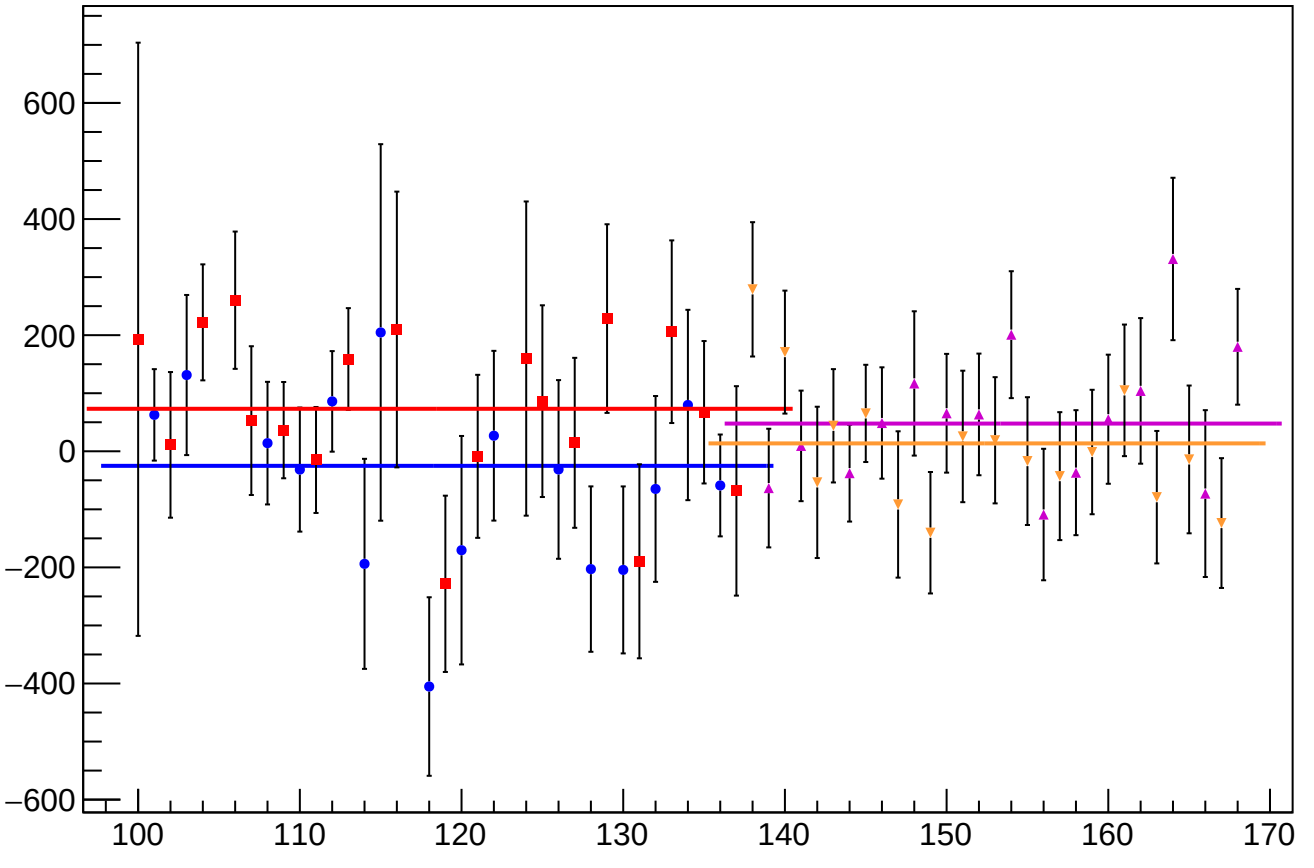
Left: 688.655+/-0.099 χ^2/NDF: 879678.9/30

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 672.077+/-0.111 χ^2/NDF:2274380.0/30

Out: 653.054+/-0.107 χ^2/NDF:2745146.3/34

All: 662.232+/-0.077 χ^2/NDF: 5034750.1/65



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 47.726+/-27.708 χ^2/NDF:14.0/14

Left: 30.441+/-19.469 χ^2/NDF: 29.1/30

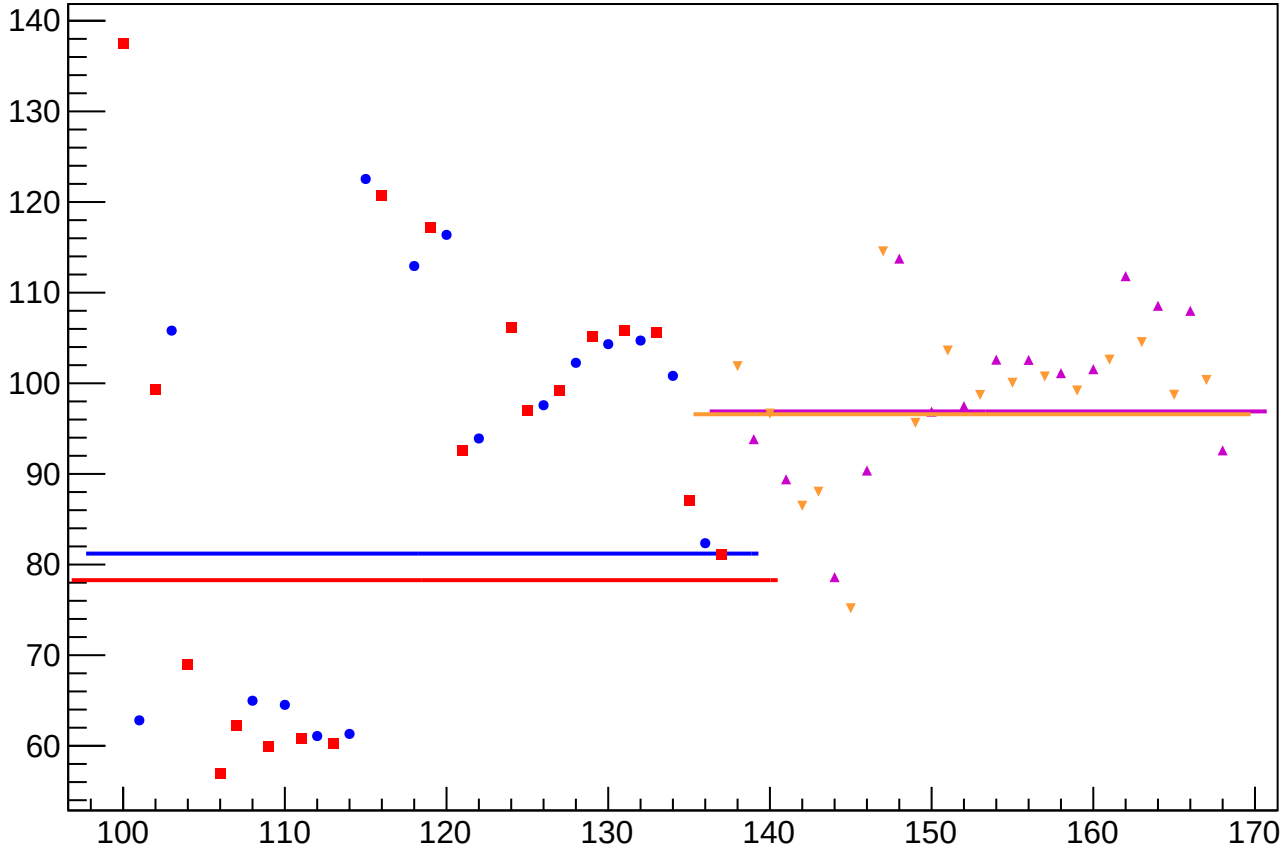
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 15.661+/-20.726 χ^2/NDF:33.3/30

Out: 40.715+/-20.197 χ^2/NDF:33.2/34

All: 28.512+/-14.465 χ^2/NDF: 67.2/65

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

Left: 96.739+/-0.014 χ^2/NDF: 467348.9/30

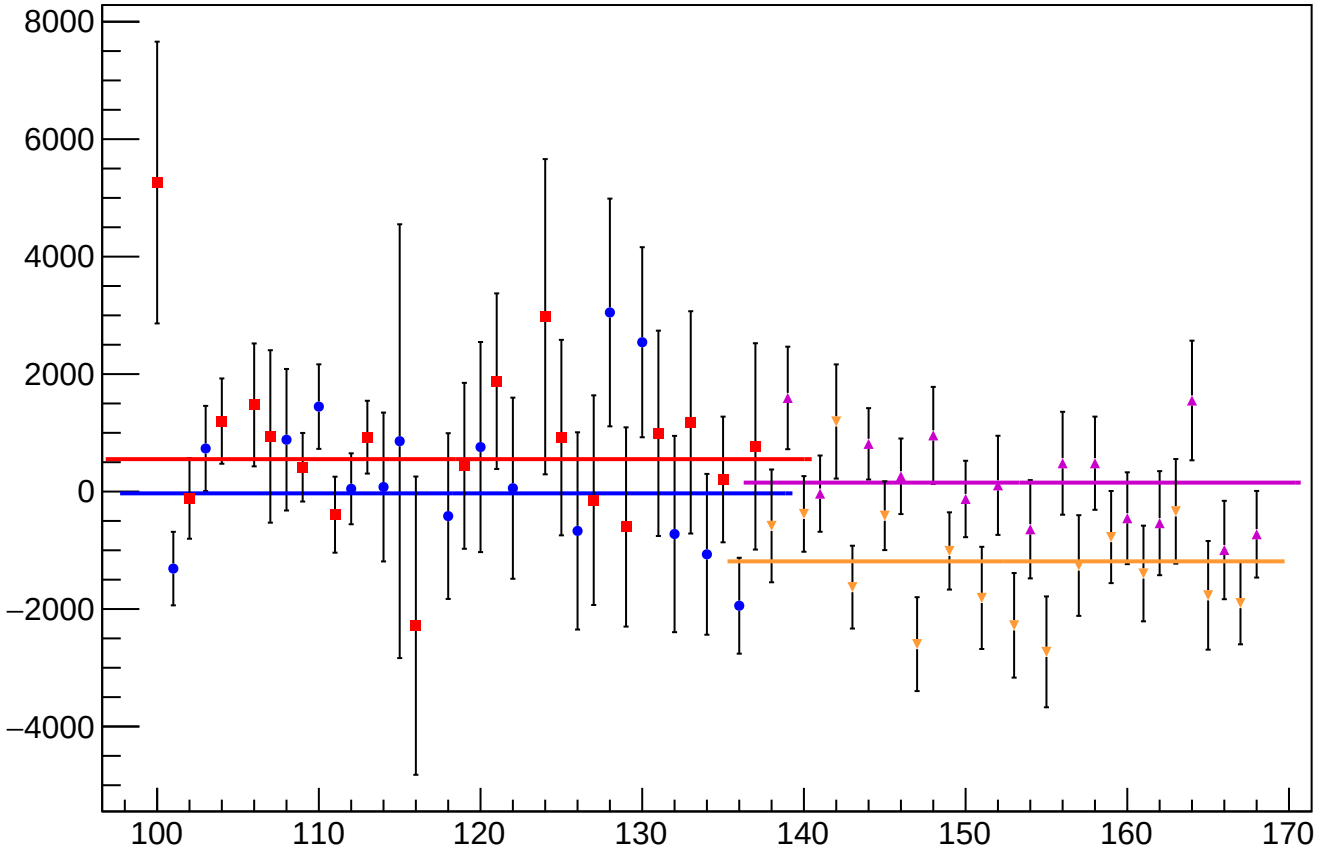
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.987+/-0.015 χ^2/NDF:1301398.6/30

Out: 88.253+/-0.014 χ^2/NDF:1580095.8/34

All: 89.098+/-0.010 χ^2/NDF: 2888678.1/65

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: -1188.116+/-196.043 χ^2/NDF:20.7/15

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 152.253+/-198.020 χ^2/NDF:12.8/14

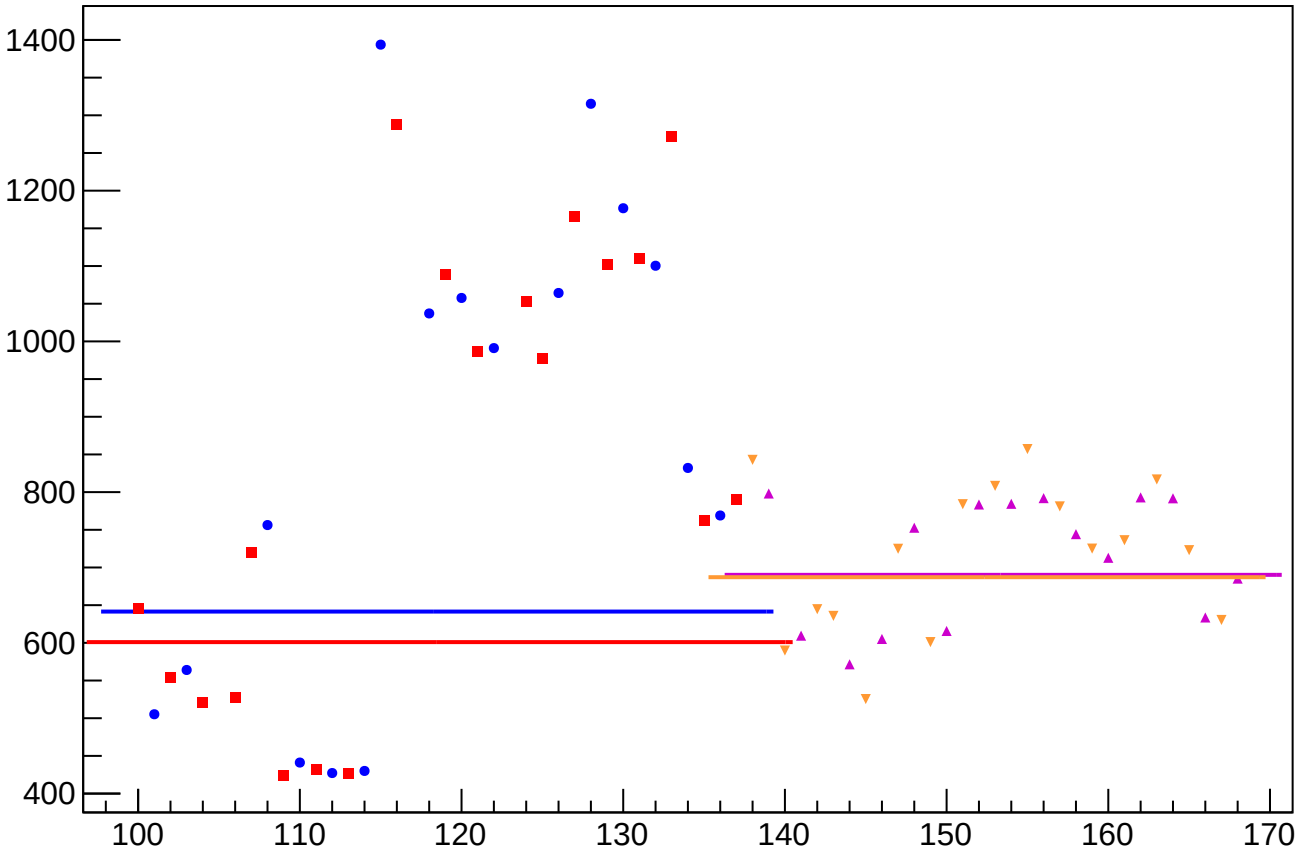
Left: -524.655+/-139.317 χ^2/NDF: 56.6/30

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 84.199+/-156.859 χ^2/NDF:35.0/30

Out: -486.980+/-151.482 χ^2/NDF:65.2/34

All: -211.348+/-108.965 χ^2/NDF: 107.0/65



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.231+/-0.140 χ^2/NDF:354264.0/14

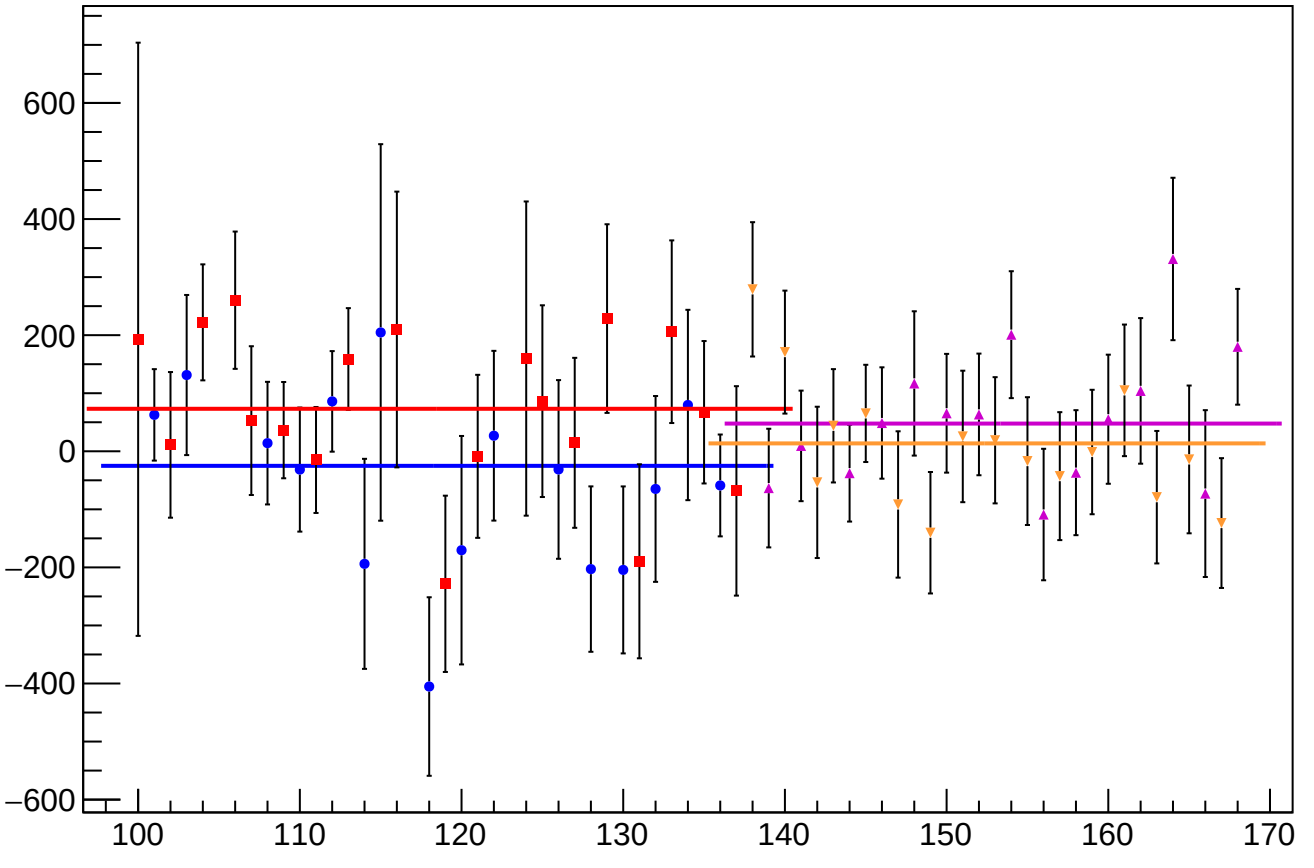
Left: 688.655+/-0.099 χ^2/NDF: 879678.9/30

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.081+/-0.111 χ^2/NDF:2274320.9/30

Out: 652.403+/-0.107 χ^2/NDF:2757964.3/34

All: 661.899+/-0.077 χ^2/NDF: 5048571.1/65



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 13.583+/-27.362 χ^2/NDF:14.3/15

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 47.726+/-27.708 χ^2/NDF:14.0/14

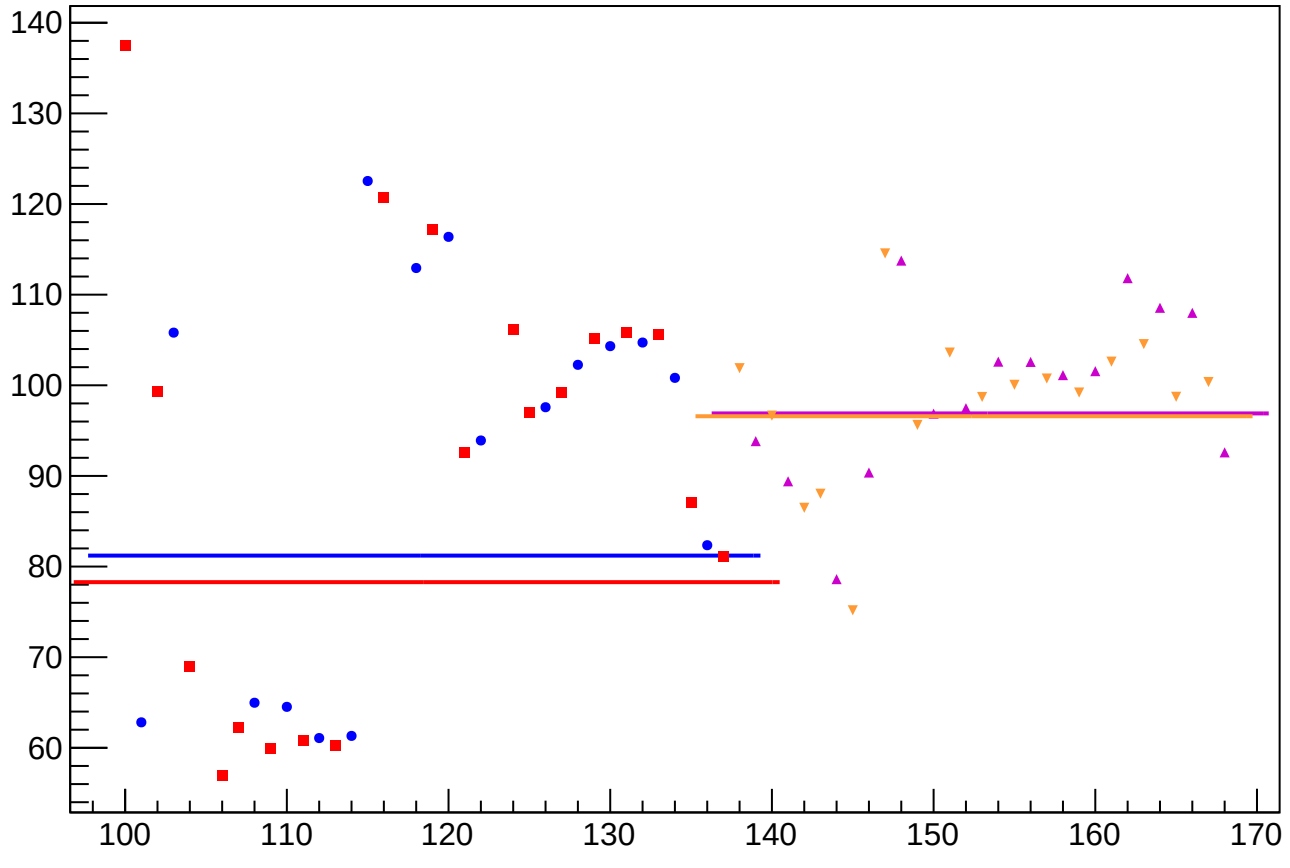
Left: 30.441+/-19.469 χ^2/NDF: 29.1/30

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 15.661+/-20.726 χ^2/NDF:33.3/30

Out: 40.715+/-20.197 χ^2/NDF:33.2/34

All: 28.512+/-14.465 χ^2/NDF: 67.2/65



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.585+/-0.019 χ^2/NDF:235859.3/15

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.896+/-0.020 χ^2/NDF:231361.3/14

Left: 96.739+/-0.014 χ^2/NDF: 467348.9/30

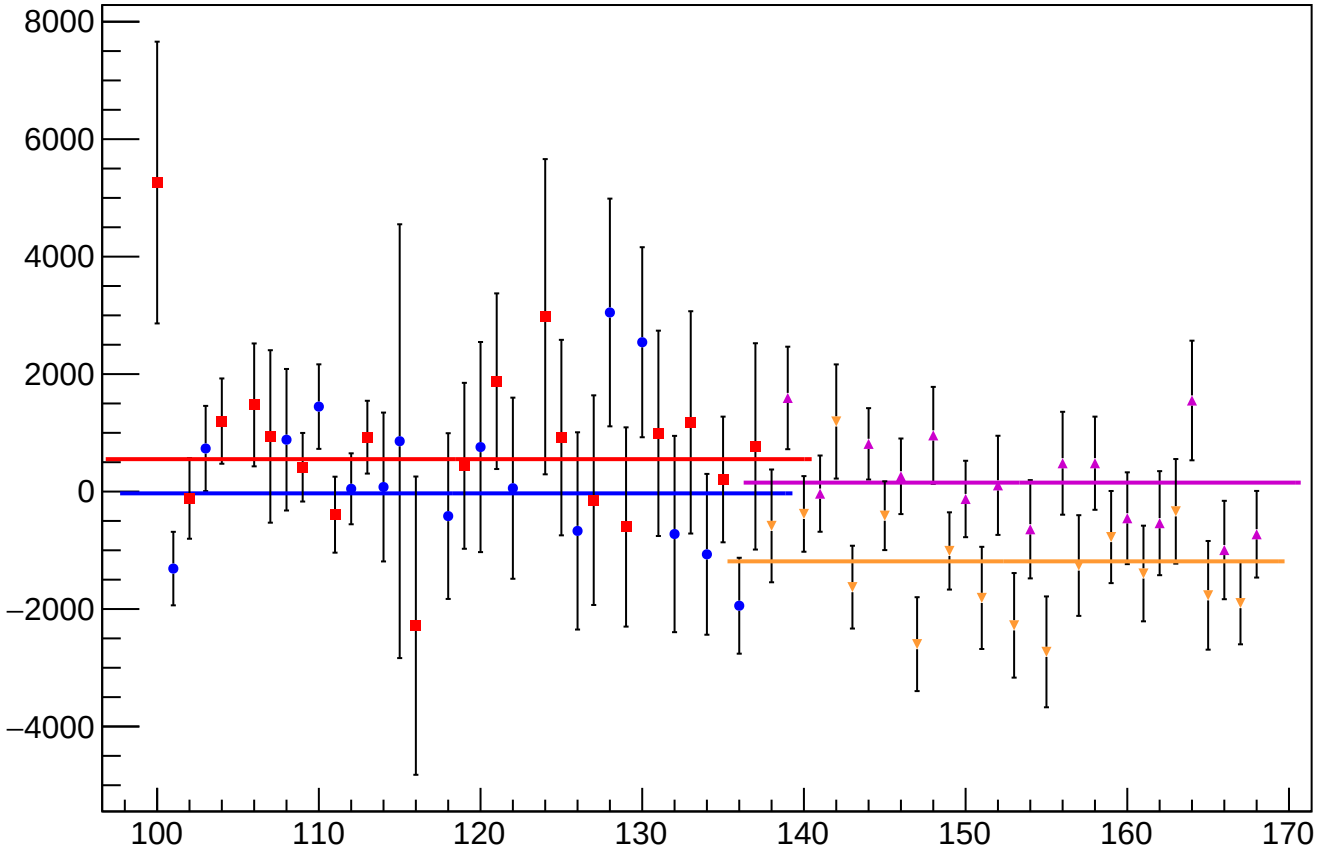
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.987+/-0.015 χ^2/NDF:1301398.6/30

Out: 88.253+/-0.014 χ^2/NDF:1580095.8/34

All: 89.098+/-0.010 χ^2/NDF: 2888678.1/65

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: -1188.116+/-196.043 χ^2/NDF:20.7/15

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 152.253+/-198.020 χ^2/NDF:12.8/14

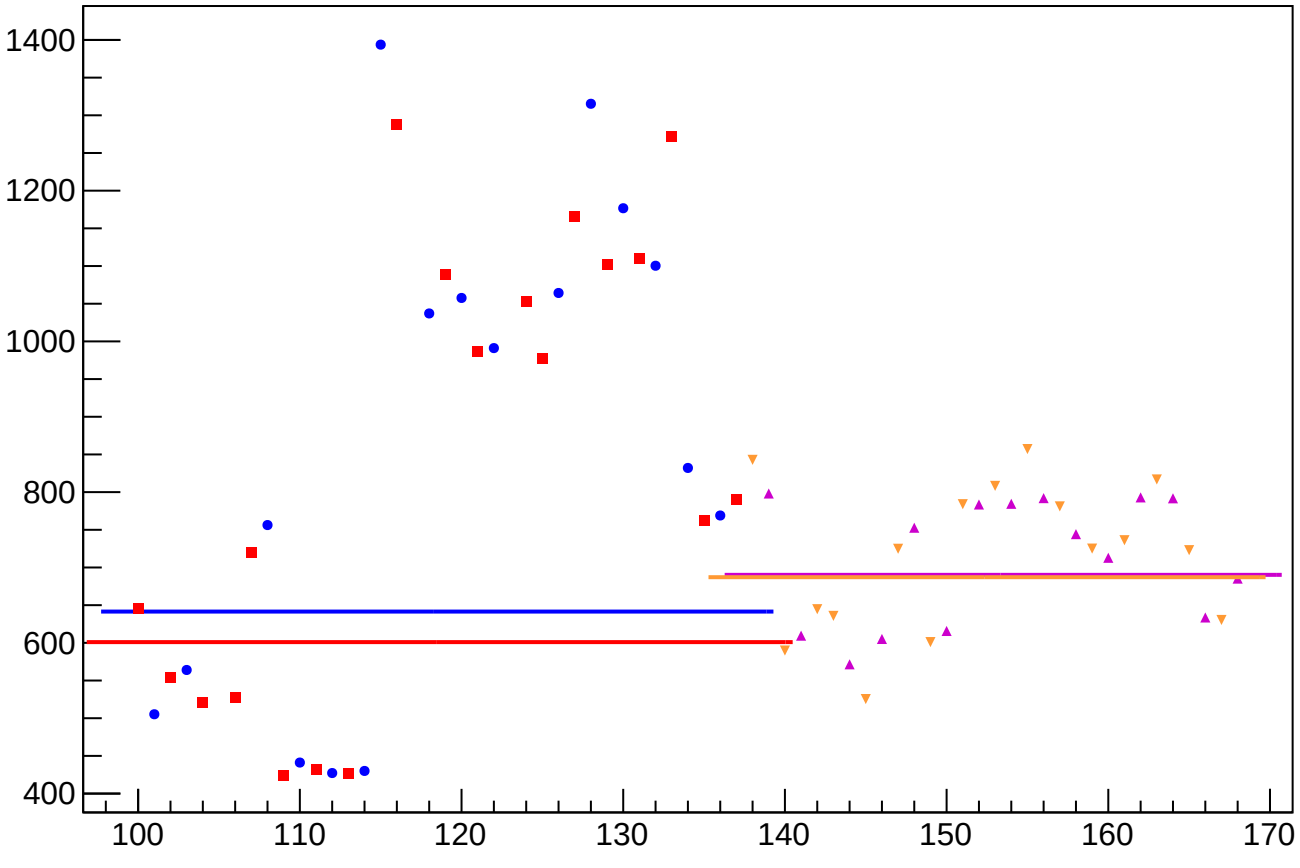
Left: -524.655+/-139.317 χ^2/NDF: 56.6/30

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 84.199+/-156.859 χ^2/NDF:35.0/30

Out: -486.980+/-151.482 χ^2/NDF:65.2/34

All: -211.348+/-108.965 χ^2/NDF: 107.0/65



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 687.110+/-0.139 χ^2/NDF:525164.0/15

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 690.231+/-0.140 χ^2/NDF:354264.0/14

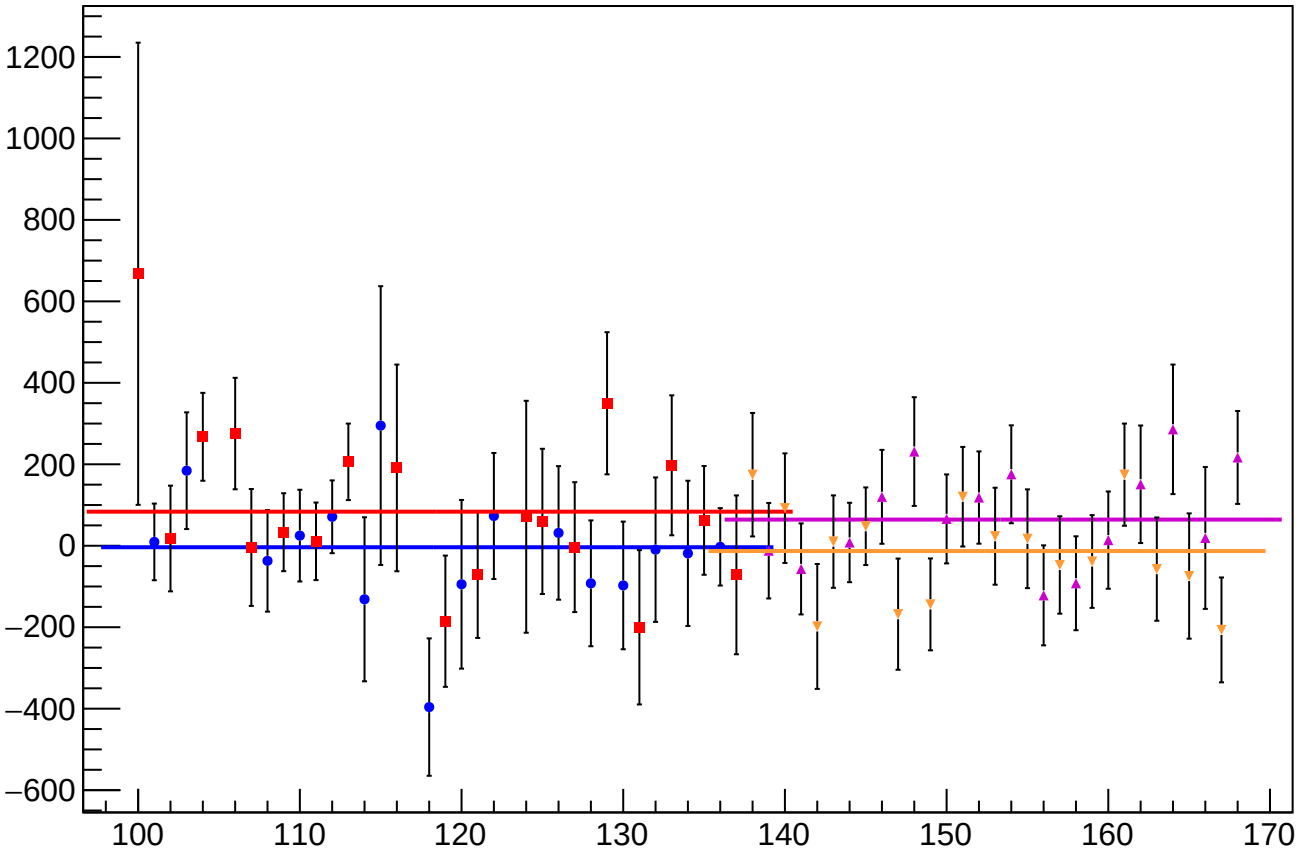
Left: 688.655+/-0.099 χ^2/NDF: 879678.9/30

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.081+/-0.111 χ^2/NDF:2274320.9/30

Out: 652.403+/-0.107 χ^2/NDF:2757964.3/34

All: 661.899+/-0.077 χ^2/NDF: 5048571.1/65



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.923+/-30.974 χ^2/NDF:12.9/15

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 64.241+/-31.164 χ^2/NDF:13.3/14

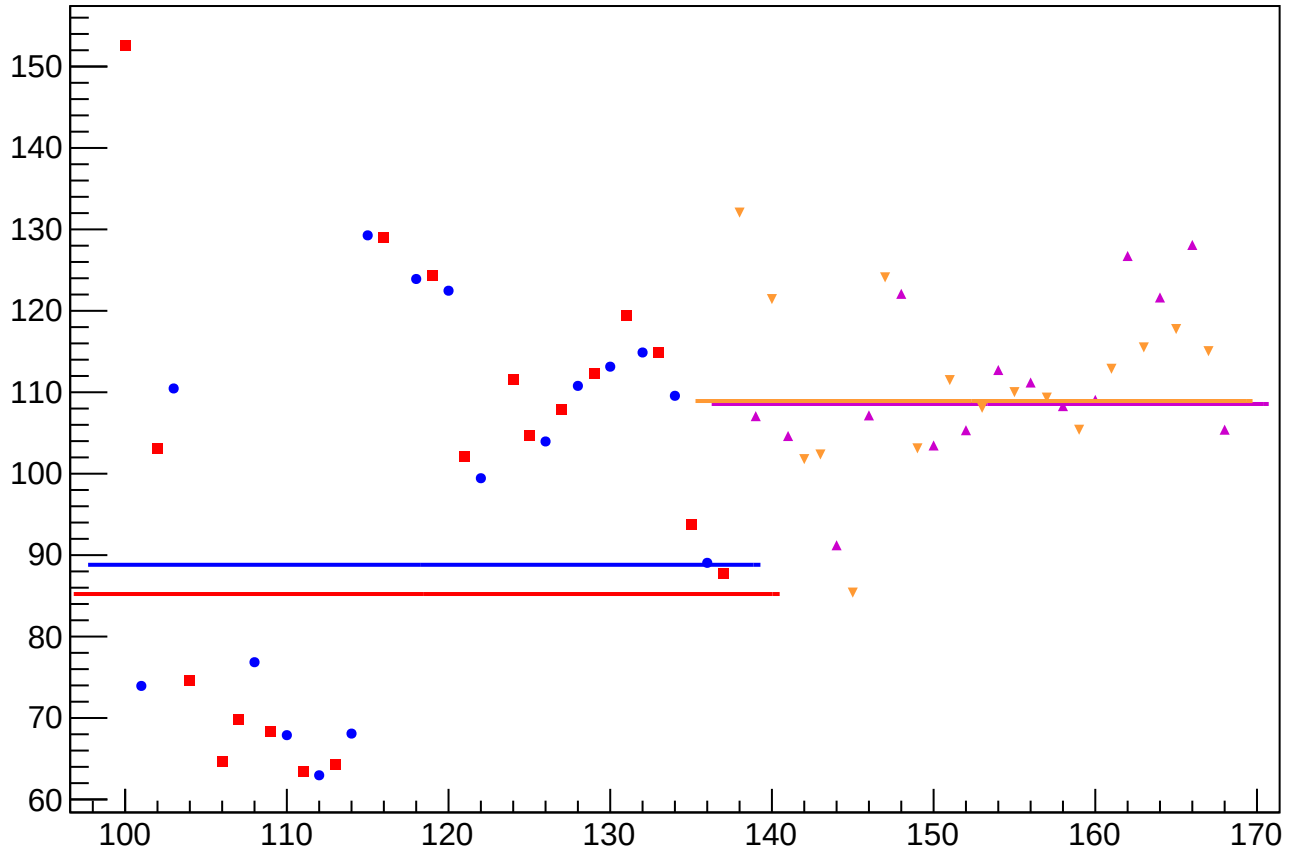
Left: 25.423+/-21.969 χ^2/NDF: 29.3/30

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.402+/-23.020 χ^2/NDF:25.8/30

Out: 32.859+/-22.465 χ^2/NDF:36.6/34

All: 33.124+/-16.078 χ^2/NDF: 62.4/65



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.925+/-0.022 χ^2/NDF:248555.8/15

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.560+/-0.022 χ^2/NDF:168290.0/14

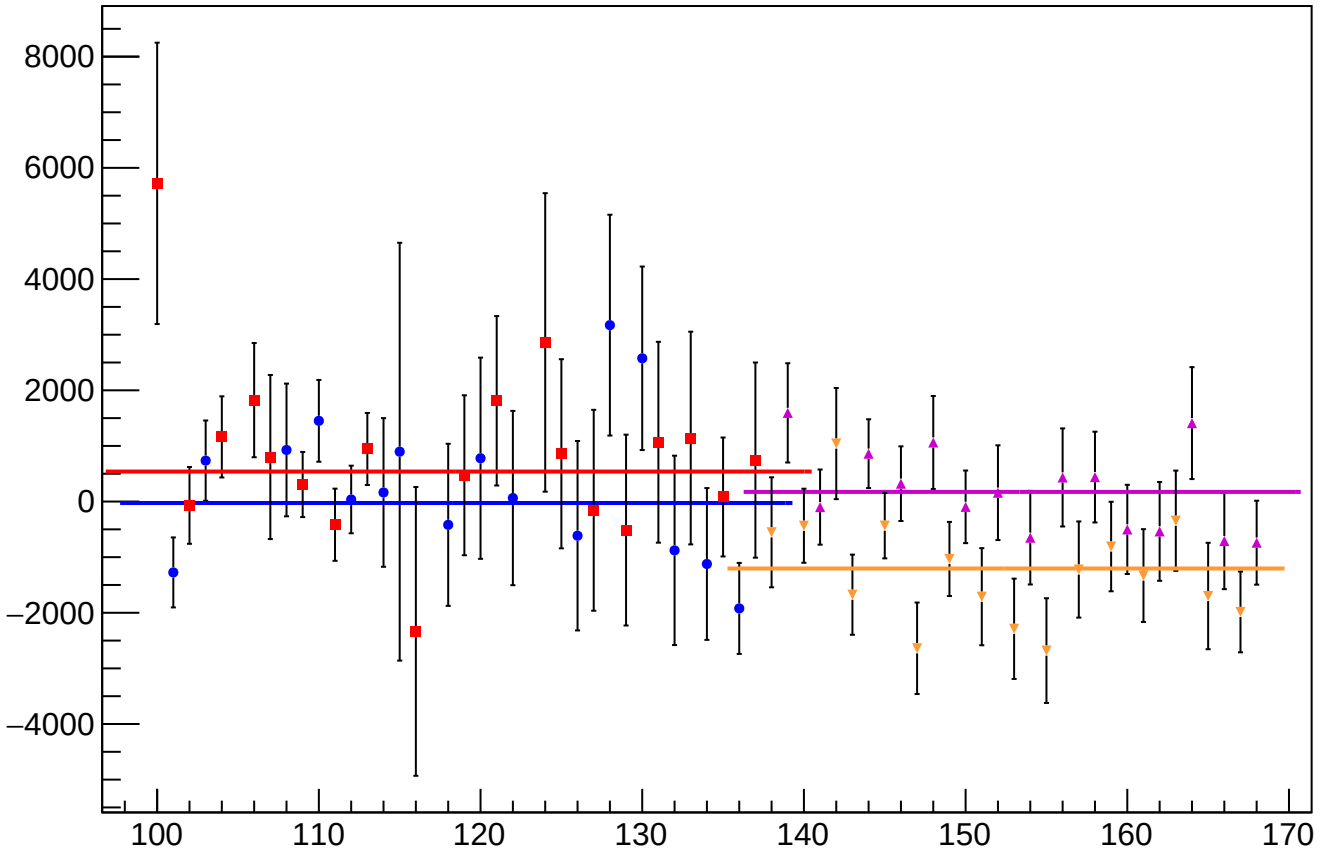
Left: 108.743+/-0.016 χ^2/NDF: 416983.4/30

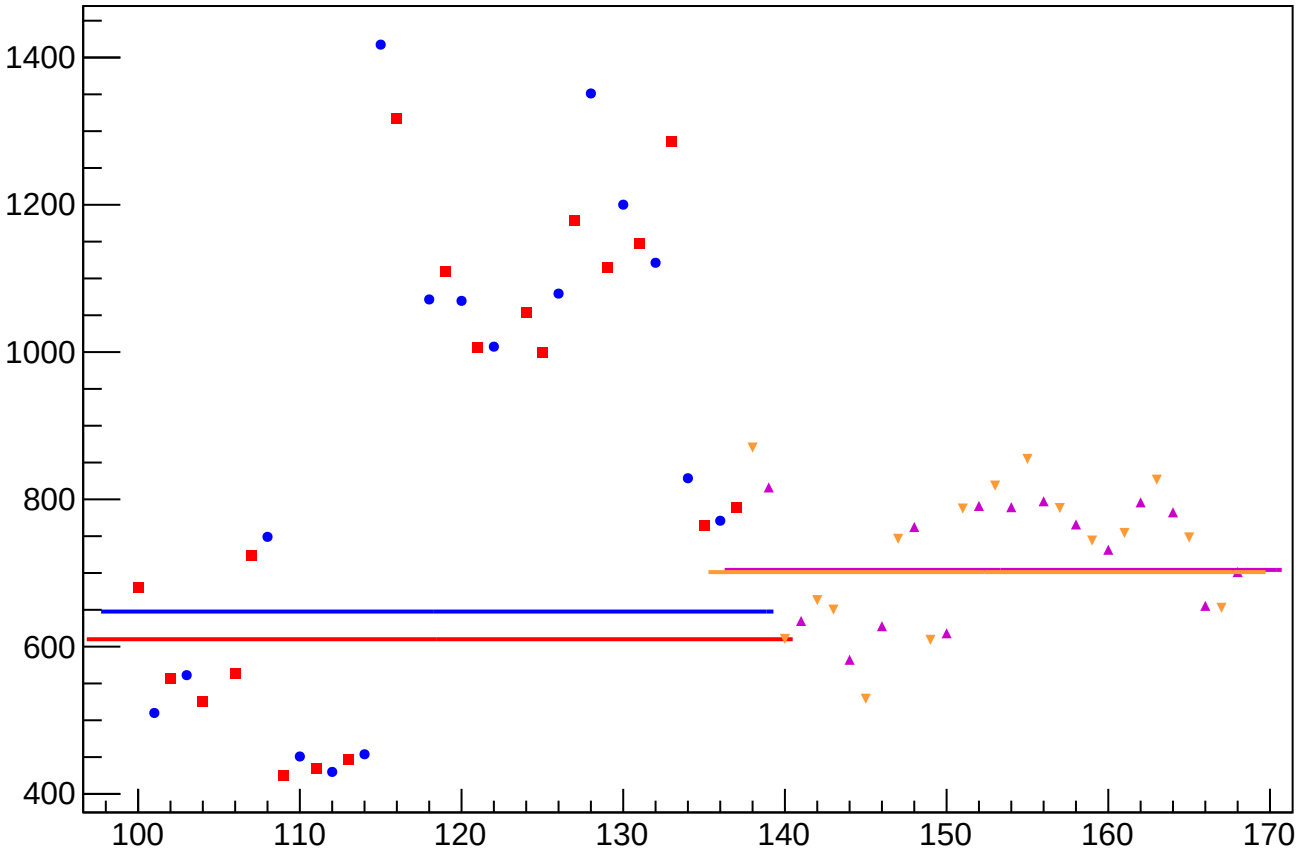
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.588+/-0.016 χ^2/NDF:1257743.0/30

Out: 97.692+/-0.016 χ^2/NDF:1687584.1/34

All: 98.617+/-0.011 χ^2/NDF: 2952276.9/65


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1203.618+/-199.890 χ²/NDF:18.9/15
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 173.335+/-201.887 χ²/NDF:11.8/14
Left: -521.983+/-142.044 χ²/NDF: 54.2/30
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 98.227+/-159.321 χ²/NDF:33.7/30
Out: -493.968+/-153.918 χ²/NDF:63.5/34
All: -208.082+/-110.697 χ²/NDF: 104.4/65



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 701.202+/-0.141 χ^2/NDF:516771.8/15

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 704.200+/-0.143 χ^2/NDF:318019.8/14

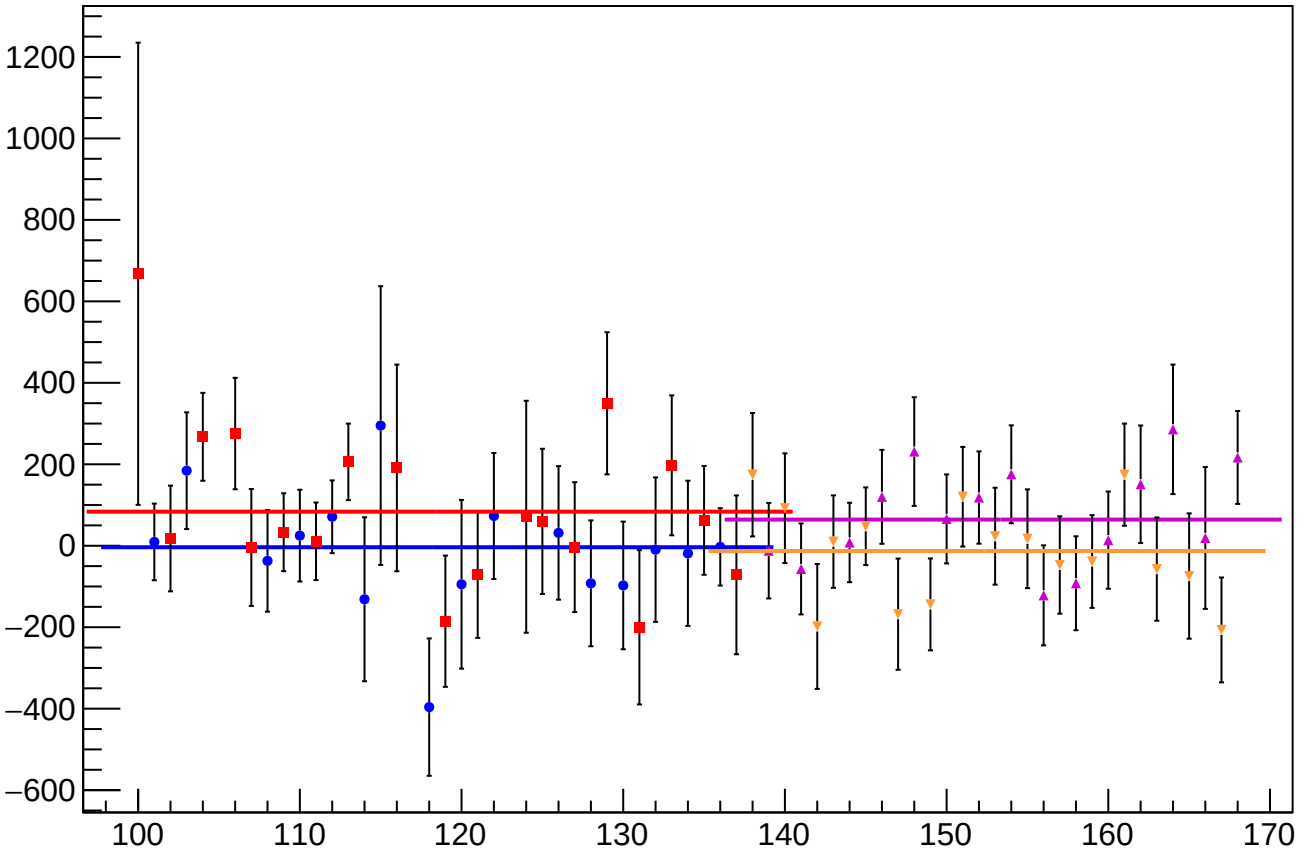
Left: 702.686+/-0.100 χ^2/NDF: 835014.2/30

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.864+/-0.113 χ^2/NDF:2265049.2/30

Out: 664.100+/-0.109 χ^2/NDF:2760282.5/34

All: 673.158+/-0.078 χ^2/NDF: 5039681.7/65



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -12.921+/-30.974 χ^2/NDF:12.9/15

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 64.241+/-31.164 χ^2/NDF:13.3/14

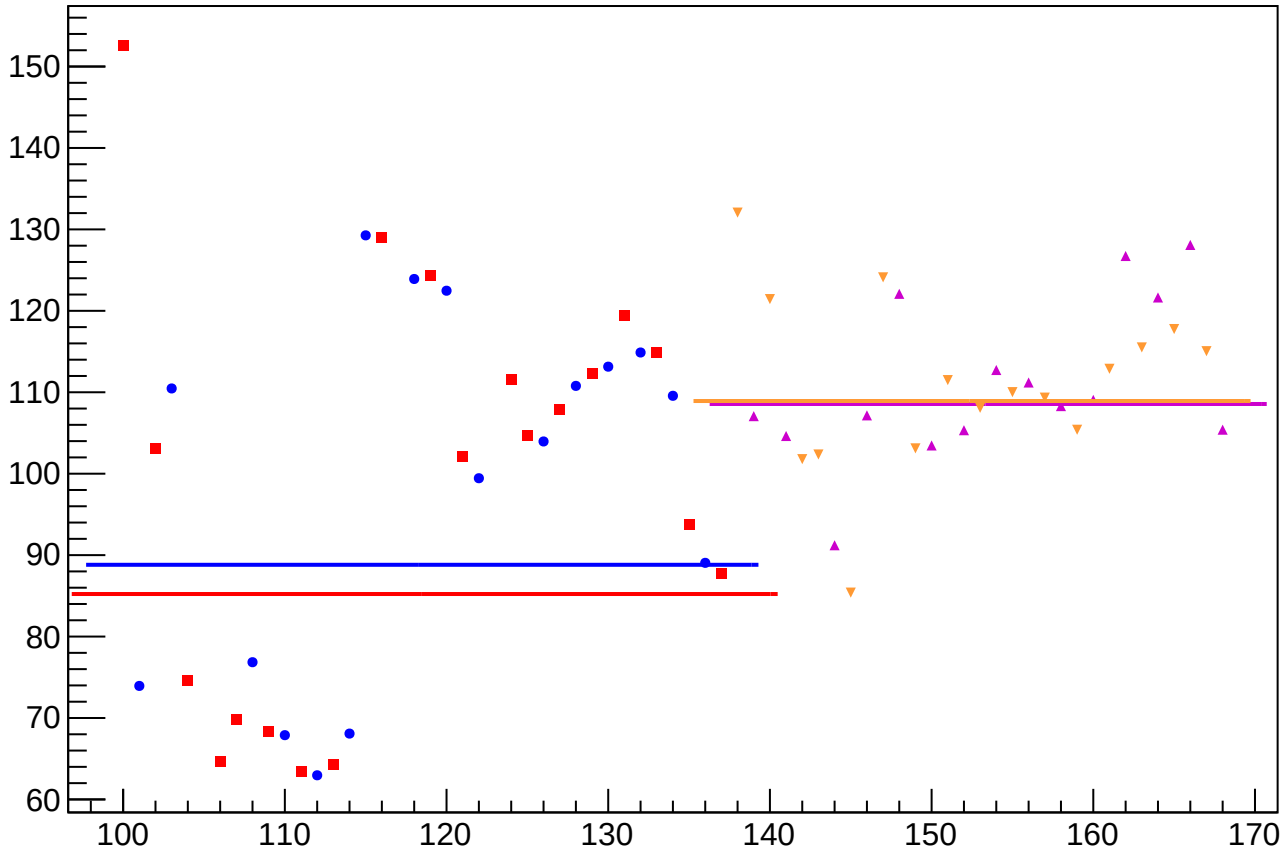
Left: 25.424+/-21.969 χ^2/NDF: 29.3/30

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.403+/-23.020 χ^2/NDF:25.8/30

Out: 32.860+/-22.465 χ^2/NDF:36.6/34

All: 33.125+/-16.078 χ^2/NDF: 62.4/65



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.925+/-0.022 χ^2/NDF:248553.7/15

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.560+/-0.022 χ^2/NDF:168288.3/14

Left: 108.744+/-0.016 χ^2/NDF: 416979.6/30

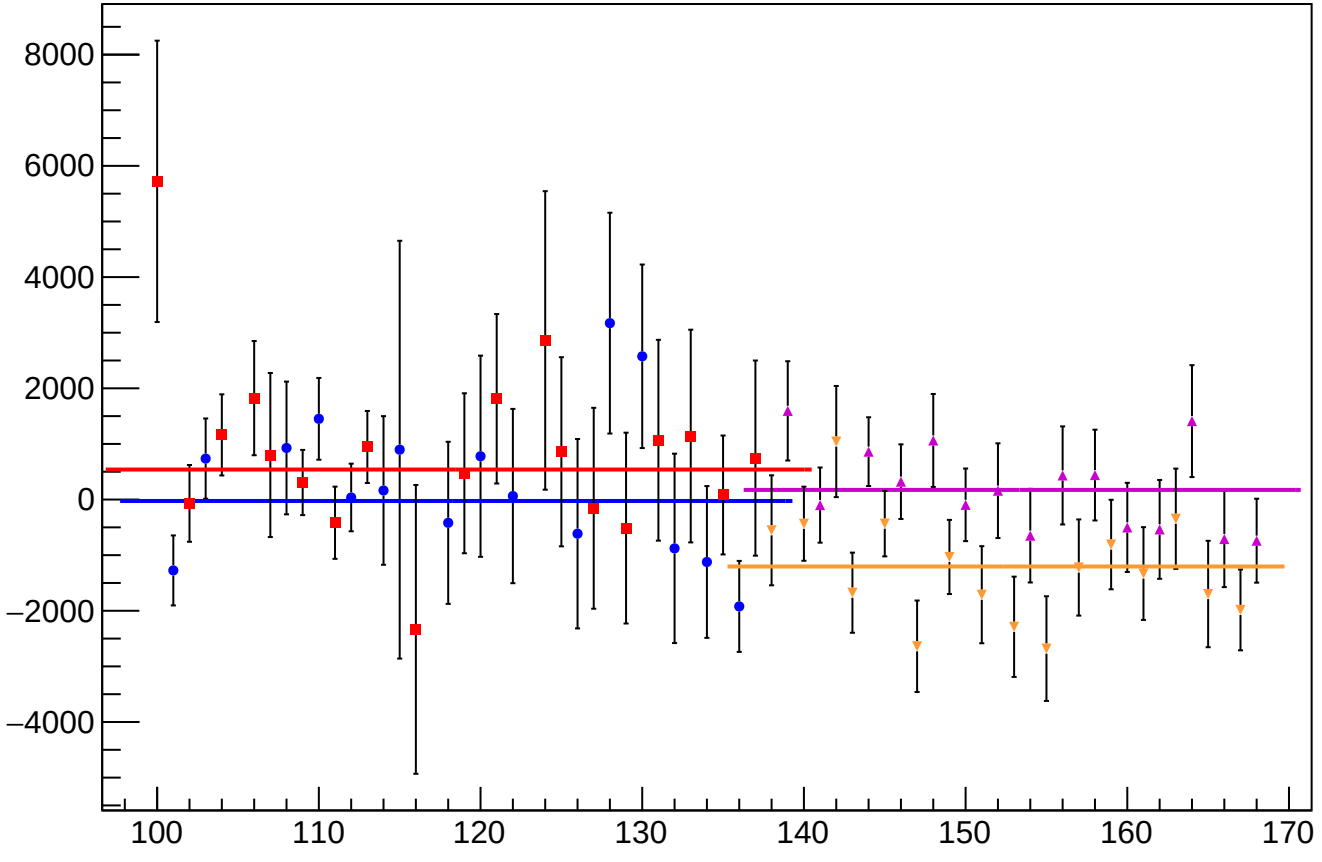
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.589+/-0.016 χ^2/NDF:1257747.8/30

Out: 97.692+/-0.016 χ^2/NDF:1687593.5/34

All: 98.617+/-0.011 χ^2/NDF: 2952291.1/65

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: -1203.616+/-199.890 χ^2/NDF:18.9/15

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.334+/-201.886 χ^2/NDF:11.8/14

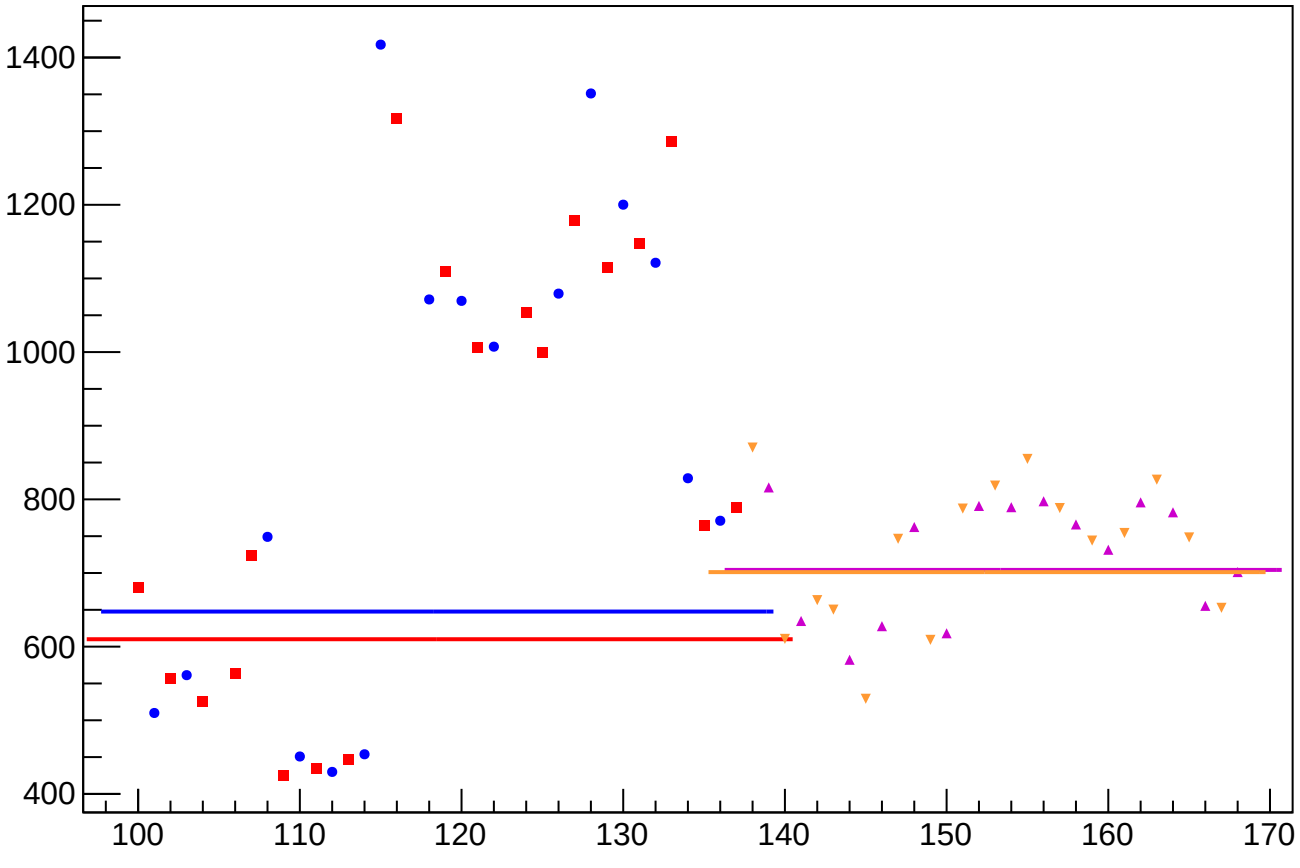
Left: -521.982+/-142.044 χ^2/NDF: 54.2/30

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 98.227+/-159.321 χ^2/NDF:33.7/30

Out: -493.967+/-153.917 χ^2/NDF:63.5/34

All: -208.082+/-110.697 χ^2/NDF: 104.4/65



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 701.201+/-0.141 χ^2/NDF:516773.3/15

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 704.199+/-0.143 χ^2/NDF:318017.5/14

Left: 702.685+/-0.100 χ^2/NDF: 835013.5/30

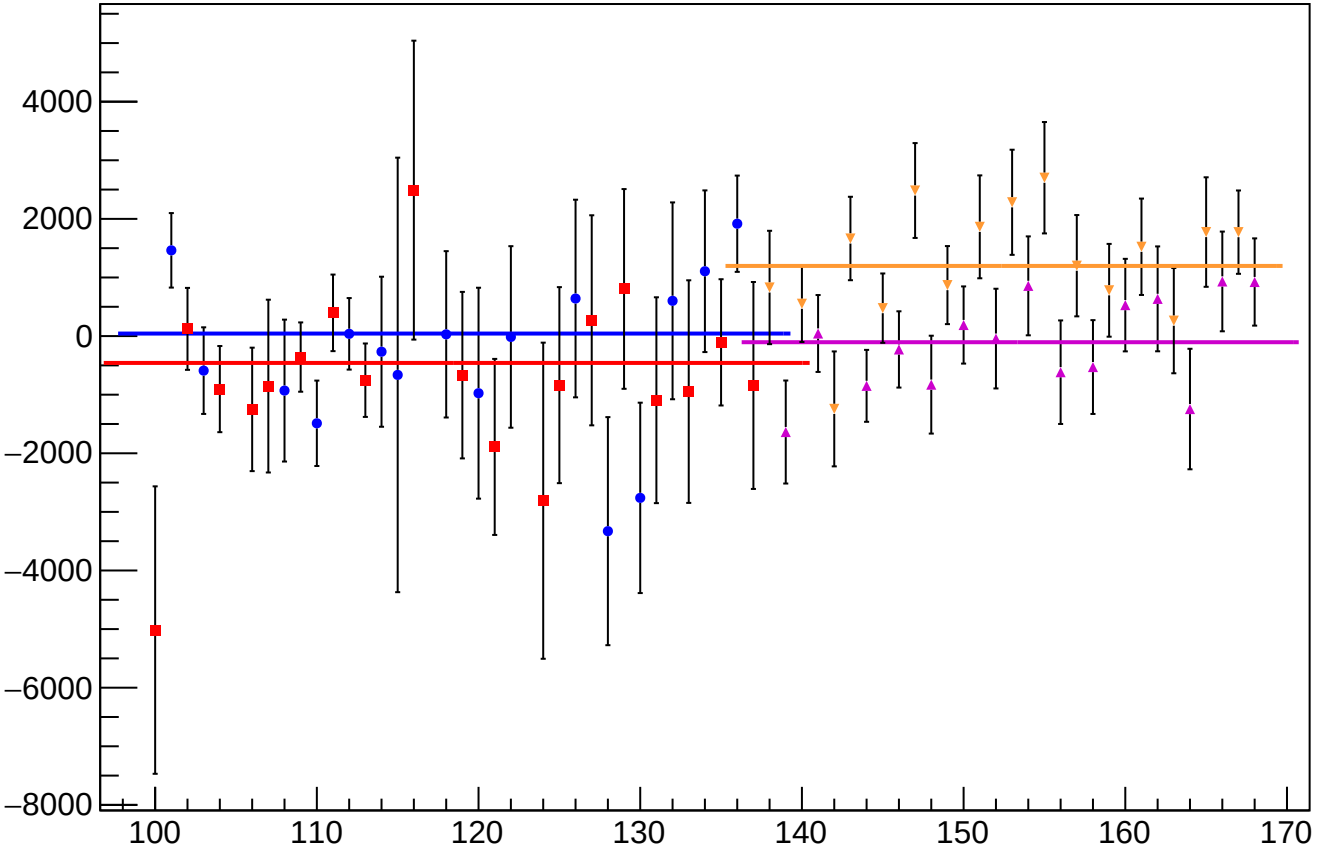
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.864+/-0.113 χ^2/NDF:2265052.4/30

Out: 664.099+/-0.109 χ^2/NDF:2760287.7/34

All: 673.158+/-0.078 χ^2/NDF: 5039690.1/65

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1197.140+/-198.071 χ^2/NDF:19.1/15

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -104.628+/-200.055 χ^2/NDF:13.4/14

Left: 552.745+/-140.753 χ^2/NDF: 53.9/30

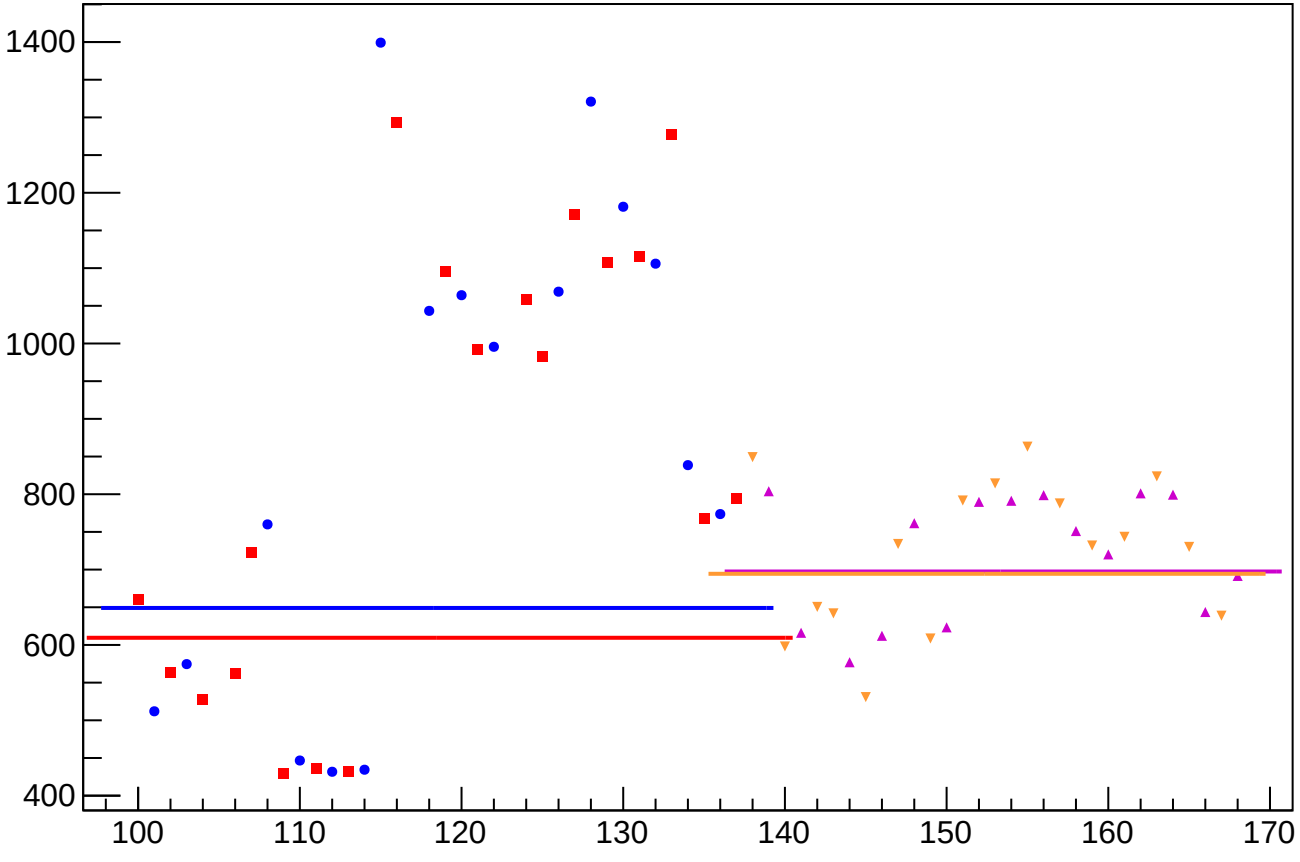
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -49.618+/-158.506 χ^2/NDF:36.8/30

Out: 530.210+/-153.051 χ^2/NDF:58.5/34

All: 250.444+/-110.102 χ^2/NDF: 102.3/65

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 694.409+/-0.140 χ^2/NDF:515535.9/15

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 697.454+/-0.141 χ^2/NDF:348492.2/14

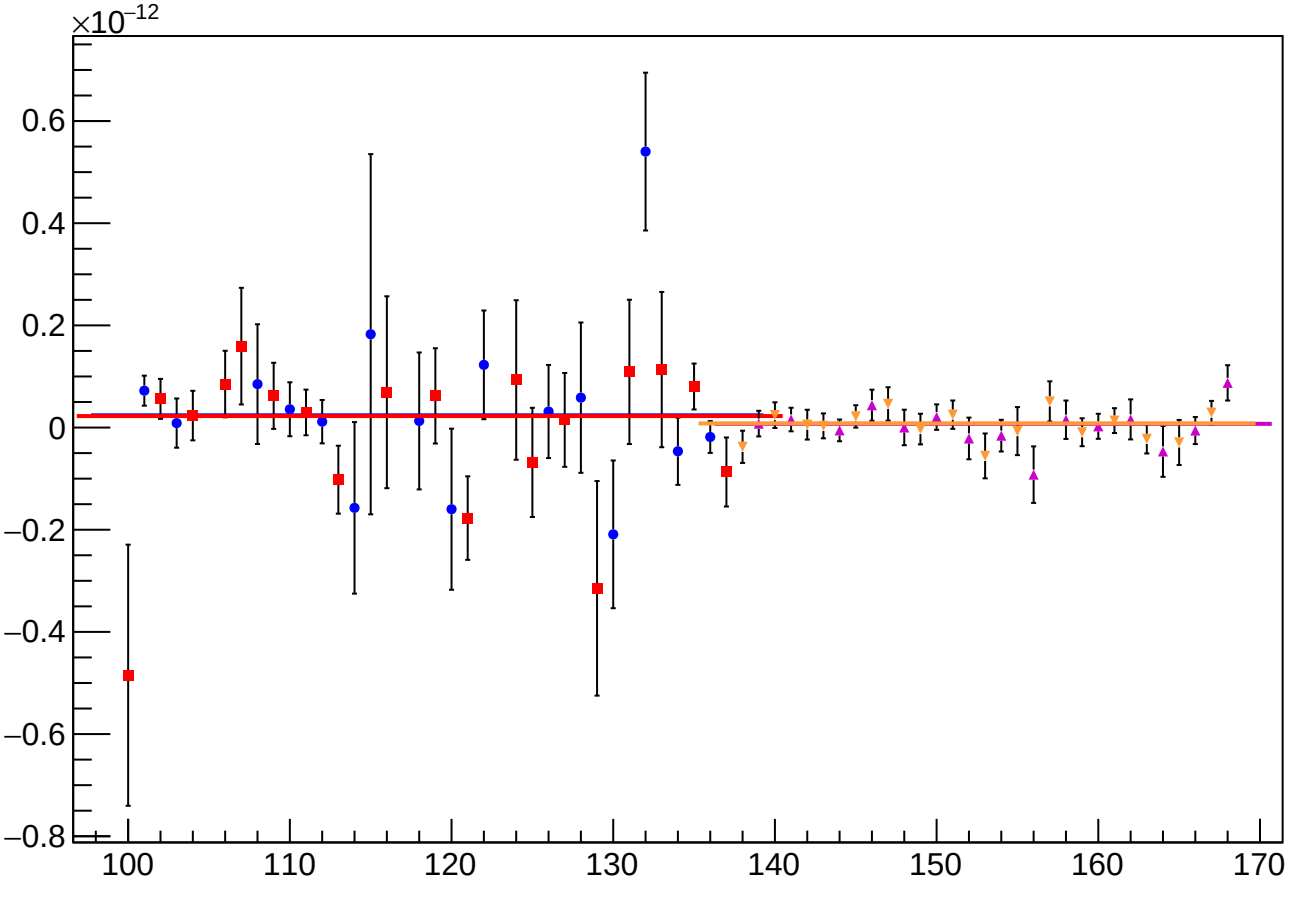
Left: 695.916+/-0.100 χ^2/NDF: 864262.1/30

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 679.451+/-0.112 χ^2/NDF:2237816.9/30

Out: 660.204+/-0.108 χ^2/NDF:2707155.4/34

All: 669.491+/-0.078 χ^2/NDF: 4960232.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/14

Left: 0.000+/-0.000 χ^2/NDF: 24.8/30

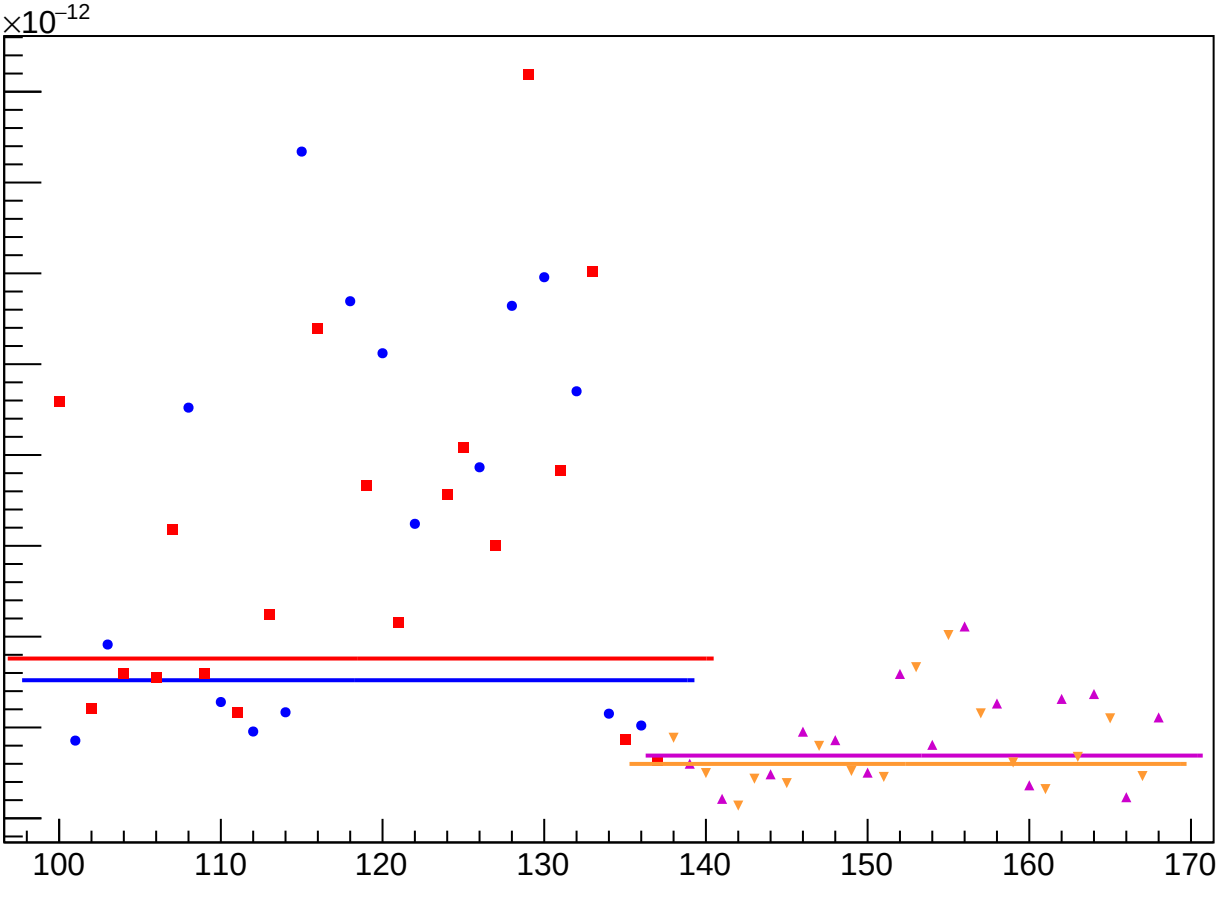
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:38.0/30

Out: 0.000+/-0.000 χ^2/NDF:37.7/34

All: 0.000+/-0.000 χ^2/NDF: 75.7/65

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:510841.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:628995.1/14

Left: 0.000+/-0.000 χ^2/NDF: 1154927.7/30

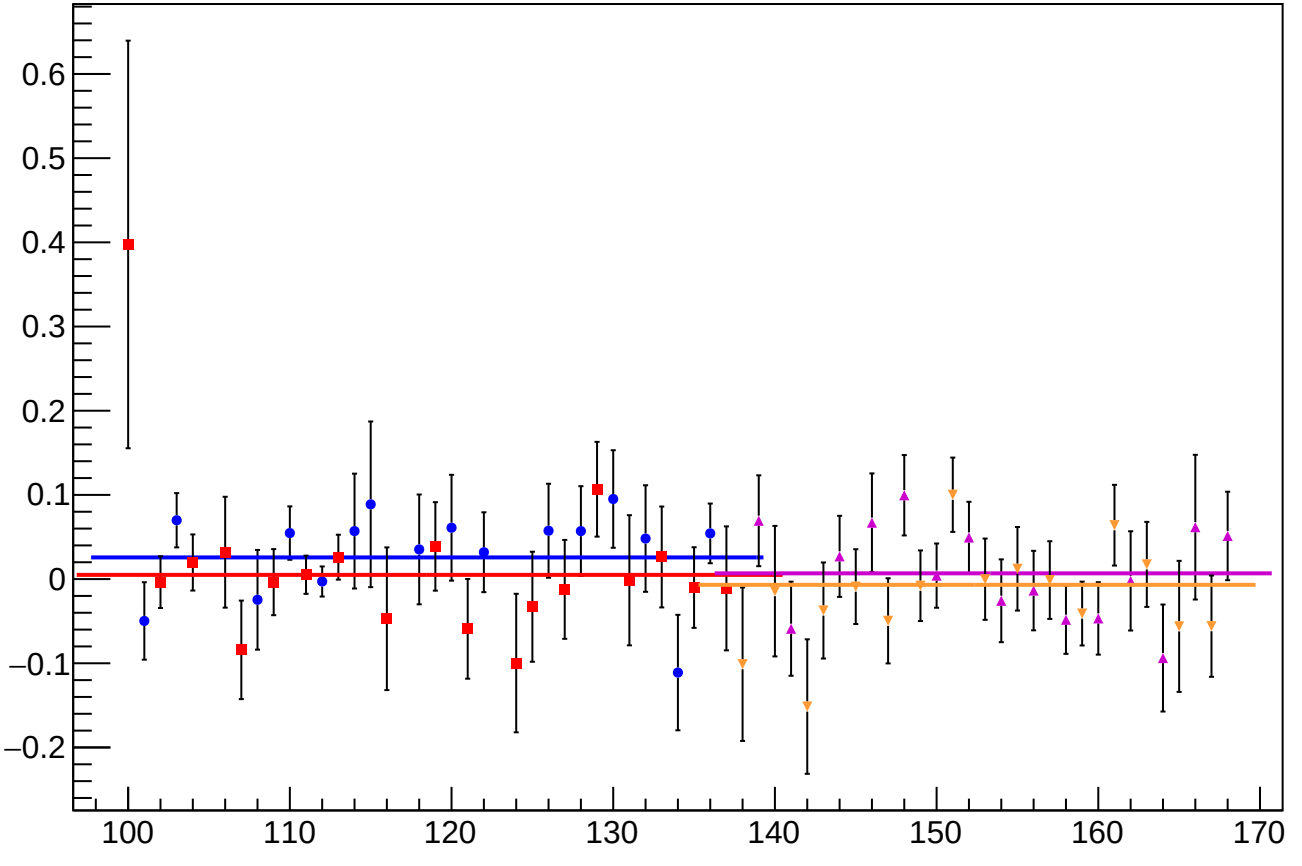
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2414790.0/30

Out: 0.000+/-0.000 χ^2/NDF:2342376.3/34

All: 0.000+/-0.000 χ^2/NDF: 4768346.7/65

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: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.013 χ^2/NDF:16.4/14

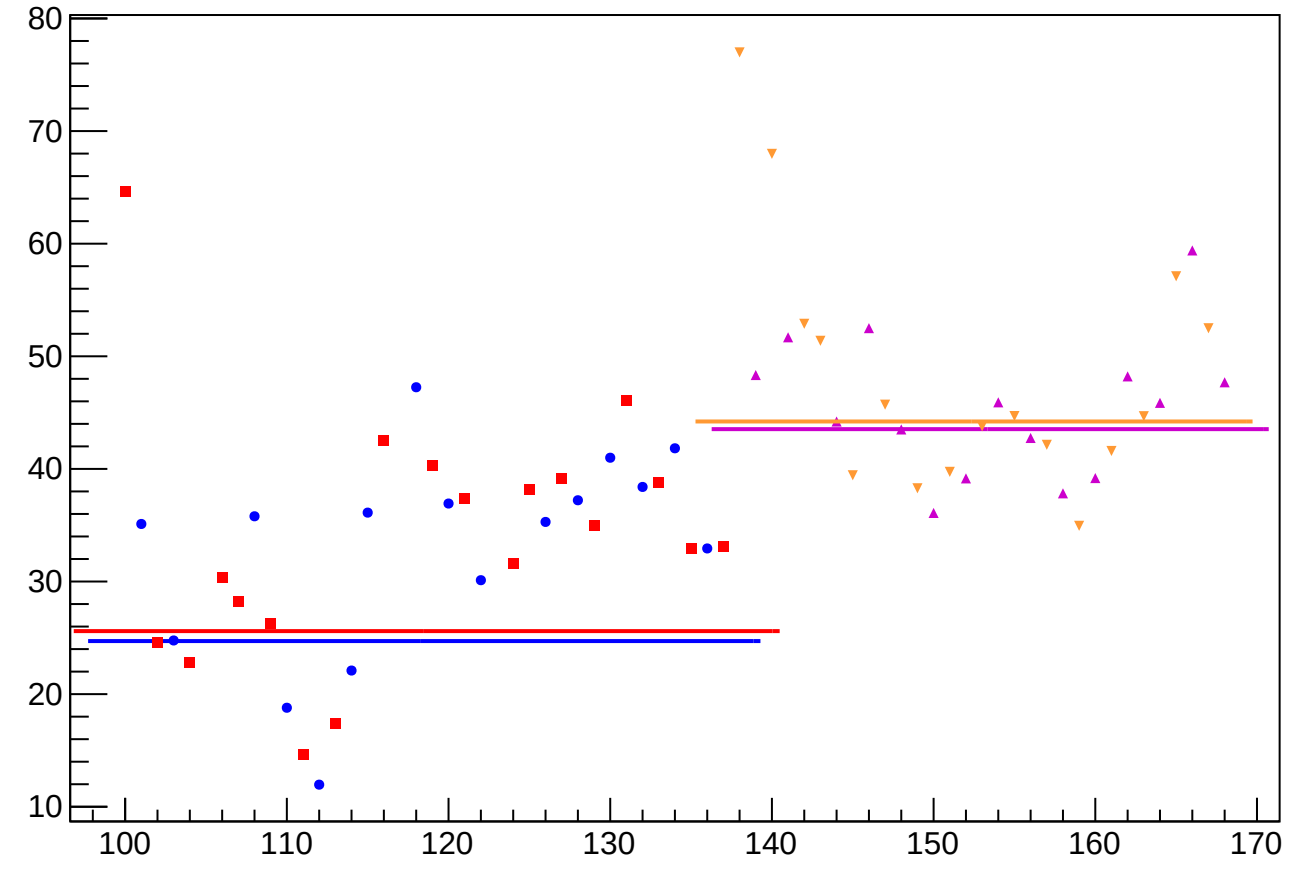
Left: 0.000+/-0.009 χ^2/NDF: 32.7/30

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:34.3/30

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 66.5/65



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.212+/-0.009 χ^2/NDF:809983.5/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.532+/-0.009 χ^2/NDF:364530.3/14

Left: 43.869+/-0.006 χ^2/NDF: 1177319.2/30

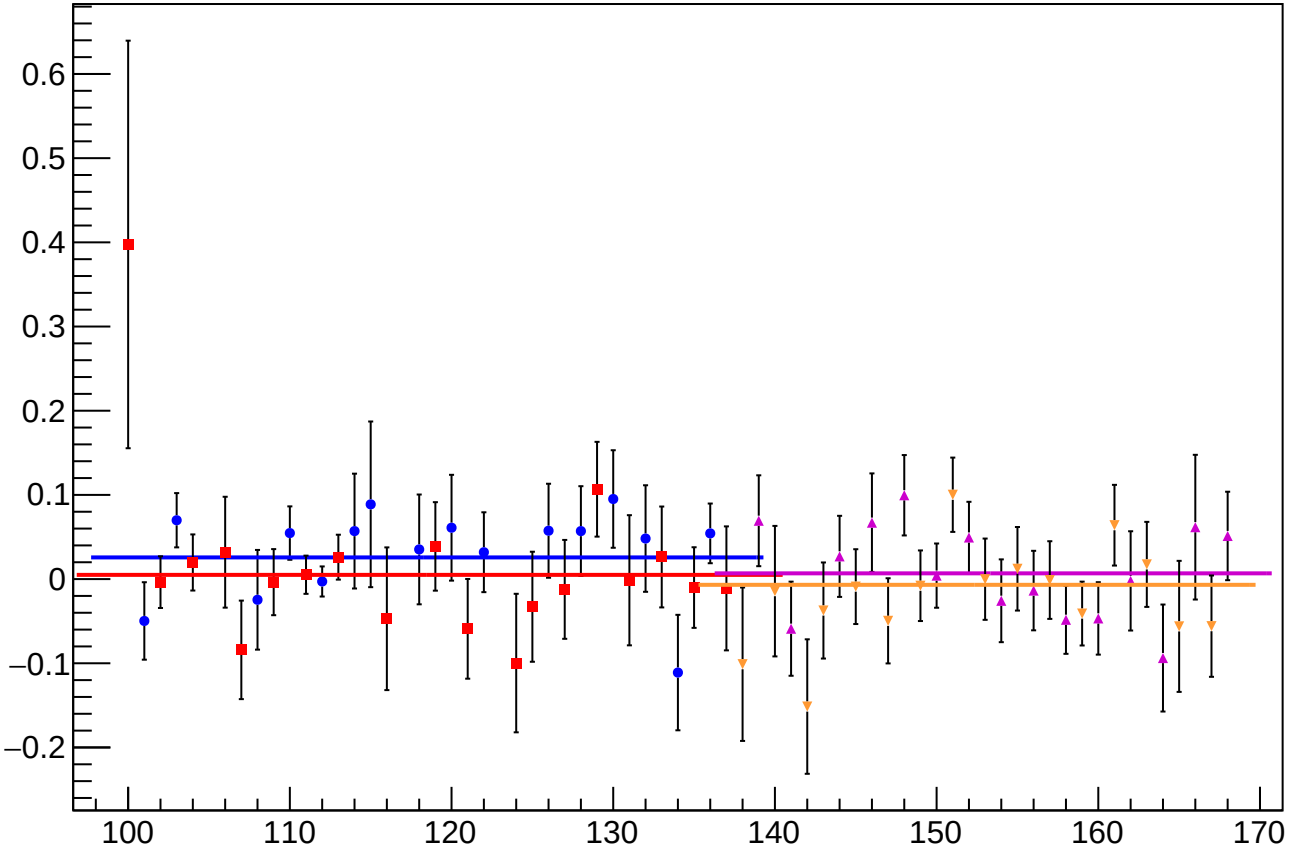
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.167+/-0.006 χ^2/NDF:5275457.6/30

Out: 32.879+/-0.006 χ^2/NDF:4946936.0/34

All: 32.522+/-0.004 χ^2/NDF: 10230205.2/65

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: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.013 χ^2/NDF:16.4/14

Left: 0.000+/-0.009 χ^2/NDF: 32.7/30

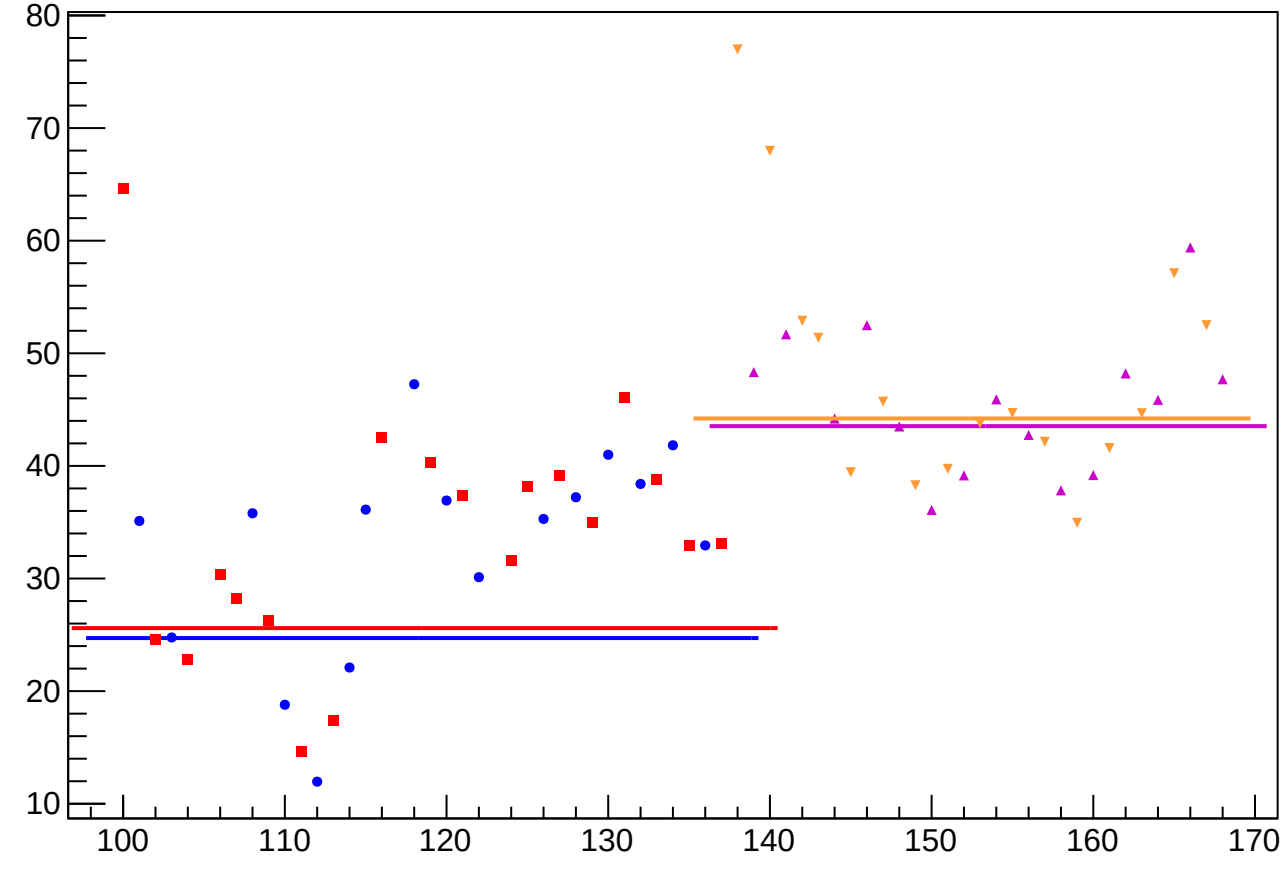
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:34.3/30

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 66.5/65

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: 44.212+/-0.009 χ^2/NDF:809983.5/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.532+/-0.009 χ^2/NDF:364530.3/14

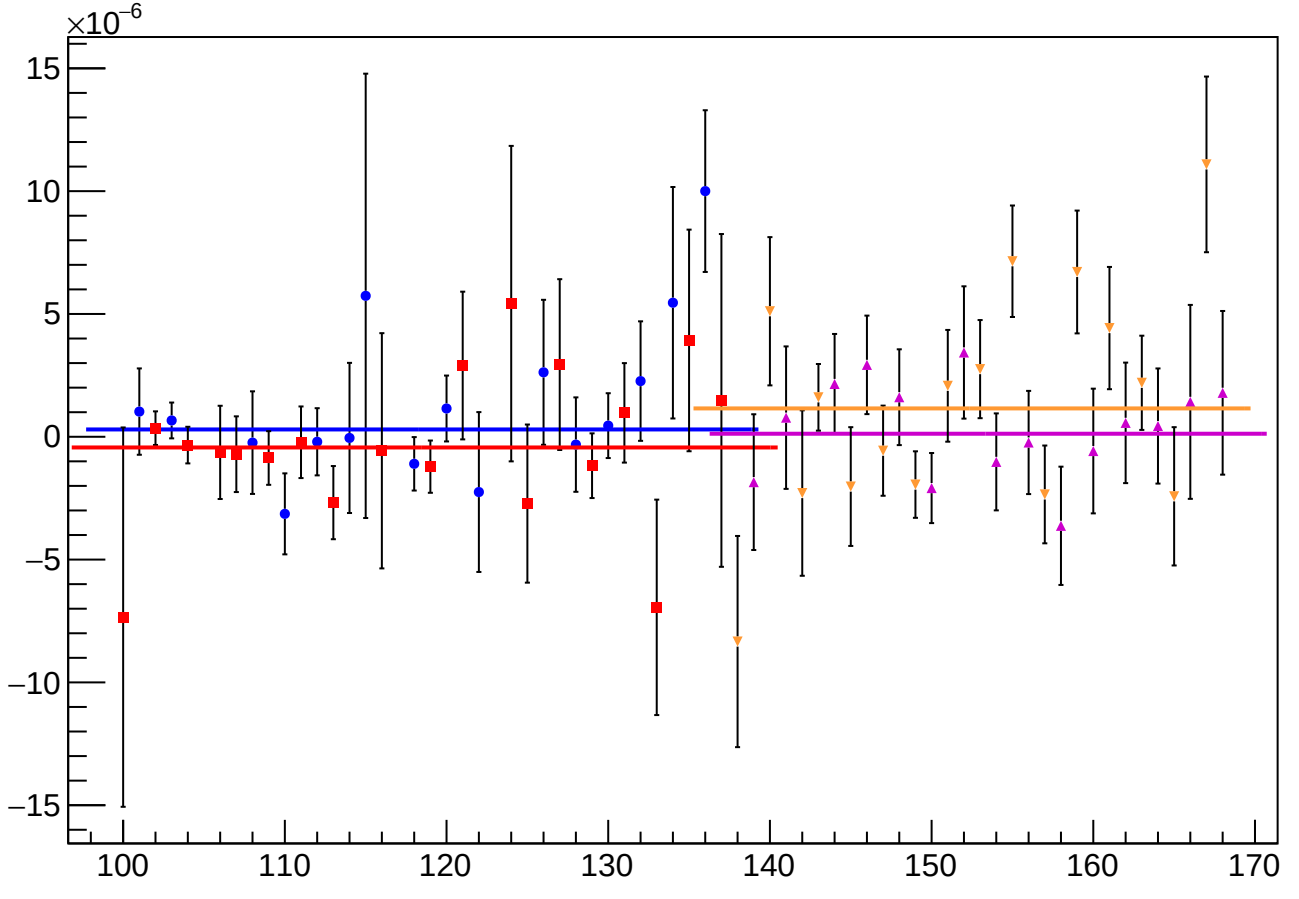
Left: 43.869+/-0.006 χ^2/NDF: 1177319.2/30

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.167+/-0.006 χ^2/NDF:5275457.6/30

Out: 32.879+/-0.006 χ^2/NDF:4946936.0/34

All: 32.522+/-0.004 χ^2/NDF: 10230205.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/14

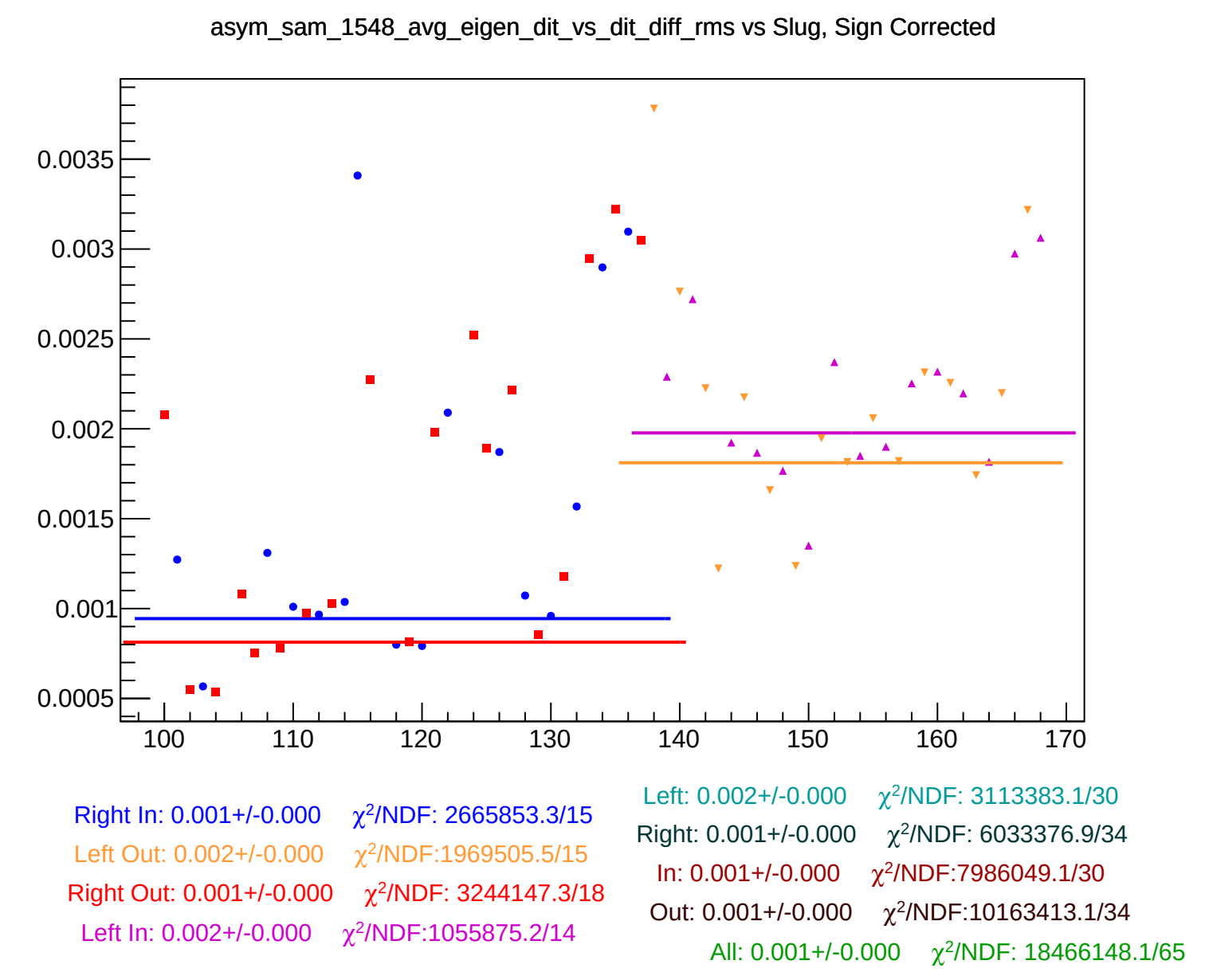
Left: 0.000+/-0.000 χ^2/NDF: 55.7/30

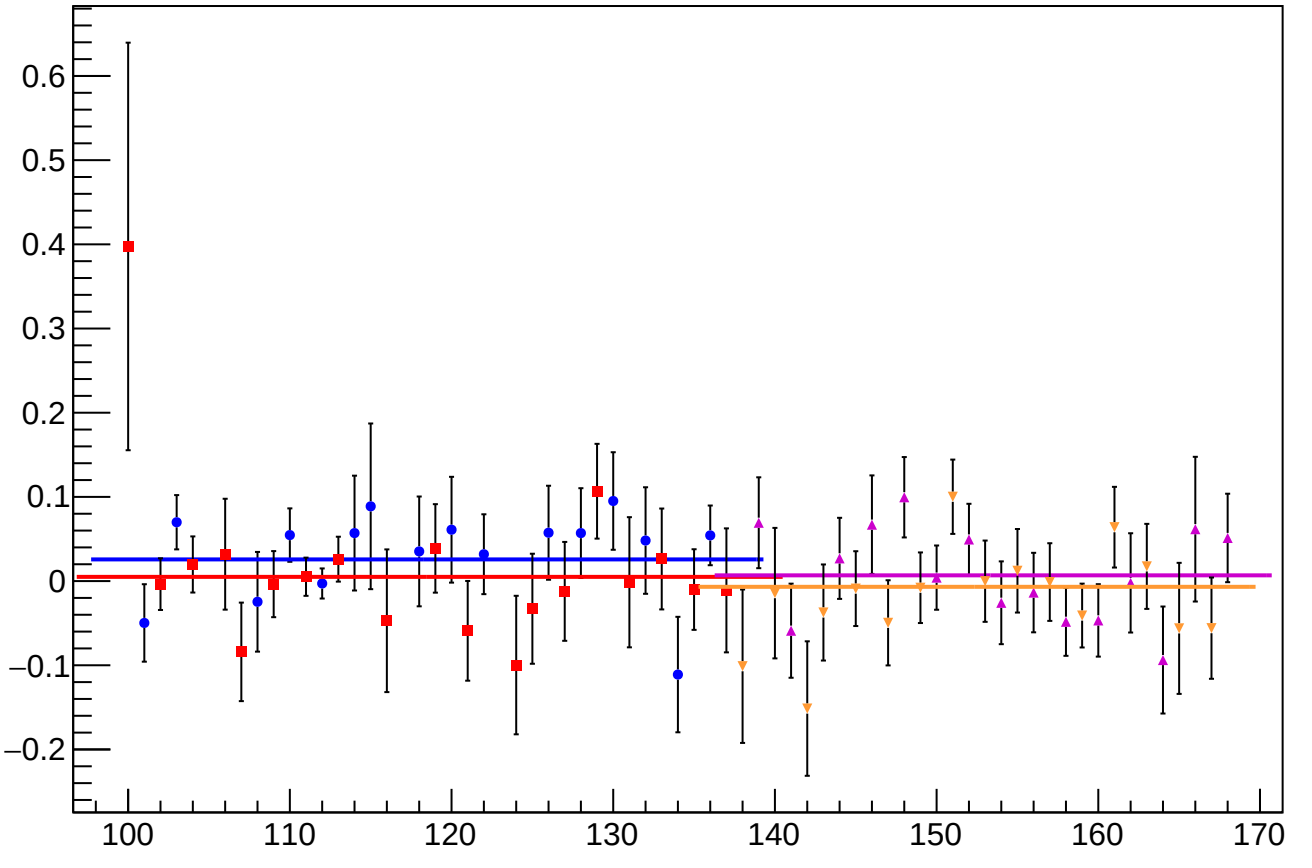
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.6/30

Out: 0.000+/-0.000 χ^2/NDF:61.7/34

All: 0.000+/-0.000 χ^2/NDF: 92.6/65


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1969505.5/15
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1055875.2/14
Left: 0.002+/-0.000 χ²/NDF: 3113383.1/30
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:7986049.1/30
Out: 0.001+/-0.000 χ²/NDF:10163413.1/34
All: 0.001+/-0.000 χ²/NDF: 18466148.1/65



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.013 χ^2/NDF:16.4/14

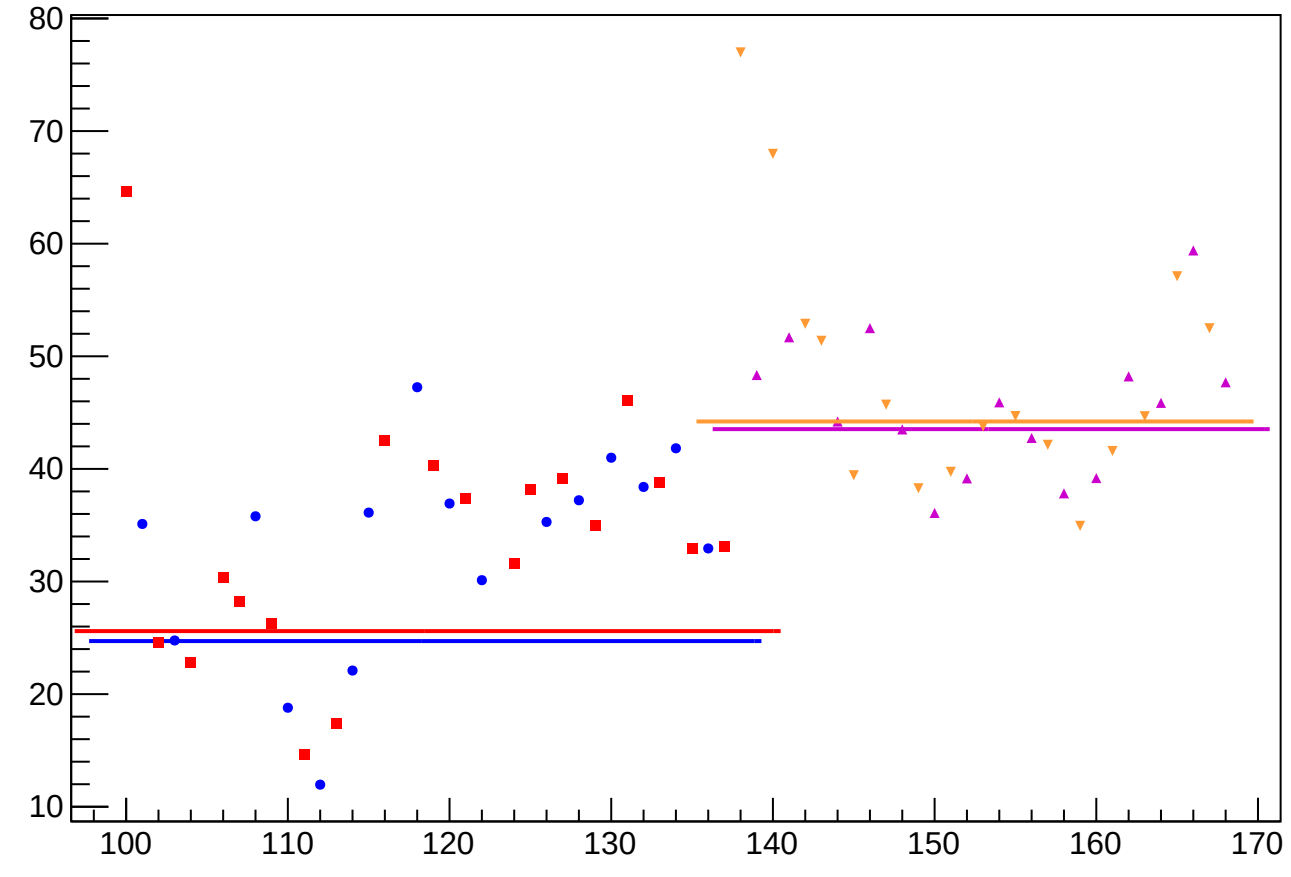
Left: 0.000+/-0.009 χ^2/NDF: 32.7/30

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:34.3/30

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 66.5/65



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.213+/-0.009 χ^2/NDF:809973.0/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.532+/-0.009 χ^2/NDF:364527.1/14

Left: 43.869+/-0.006 χ^2/NDF: 1177305.5/30

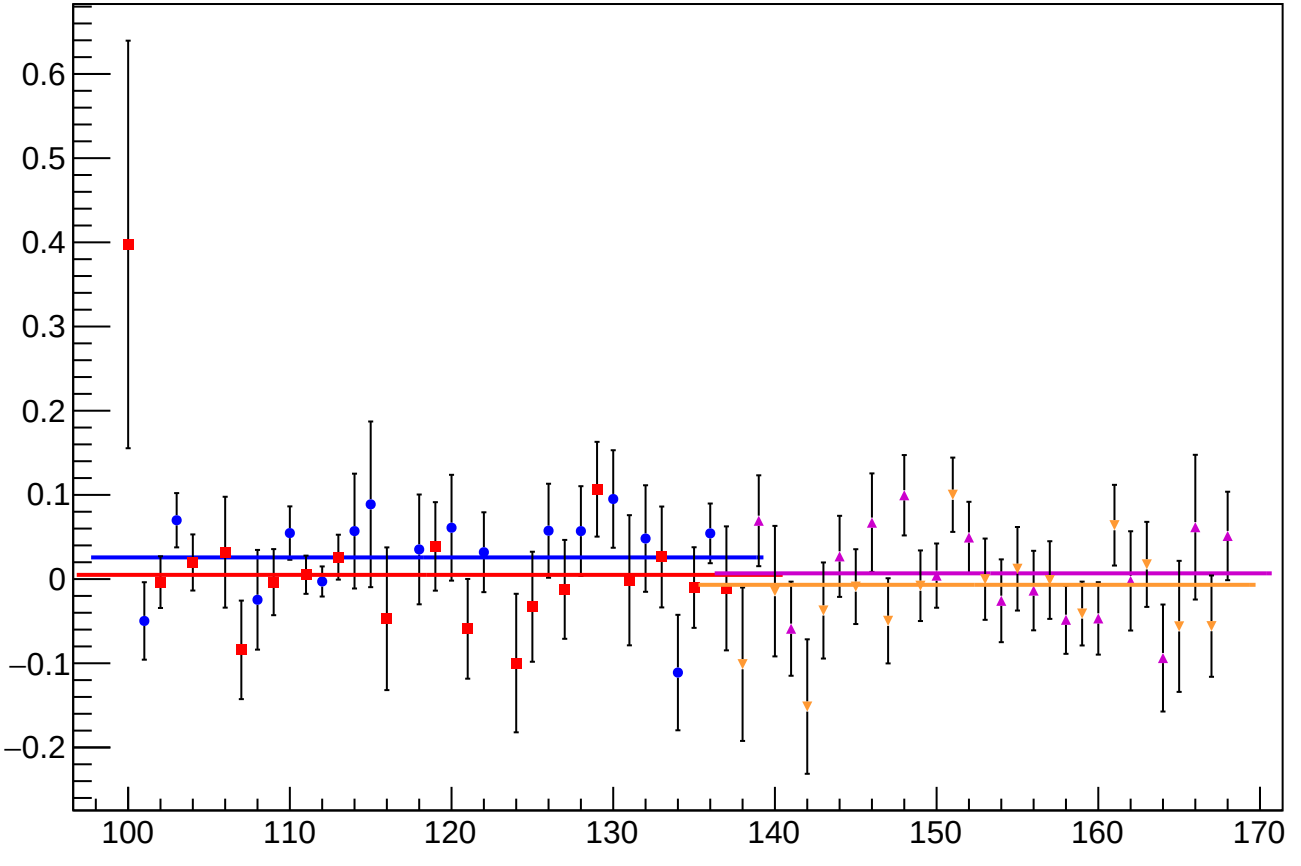
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.166+/-0.006 χ^2/NDF:5275895.0/30

Out: 32.879+/-0.006 χ^2/NDF:4947288.4/34

All: 32.521+/-0.004 χ^2/NDF: 10230998.0/65

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: -0.007+/-0.013 χ^2/NDF:15.7/15

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.013 χ^2/NDF:16.4/14

Left: 0.000+/-0.009 χ^2/NDF: 32.7/30

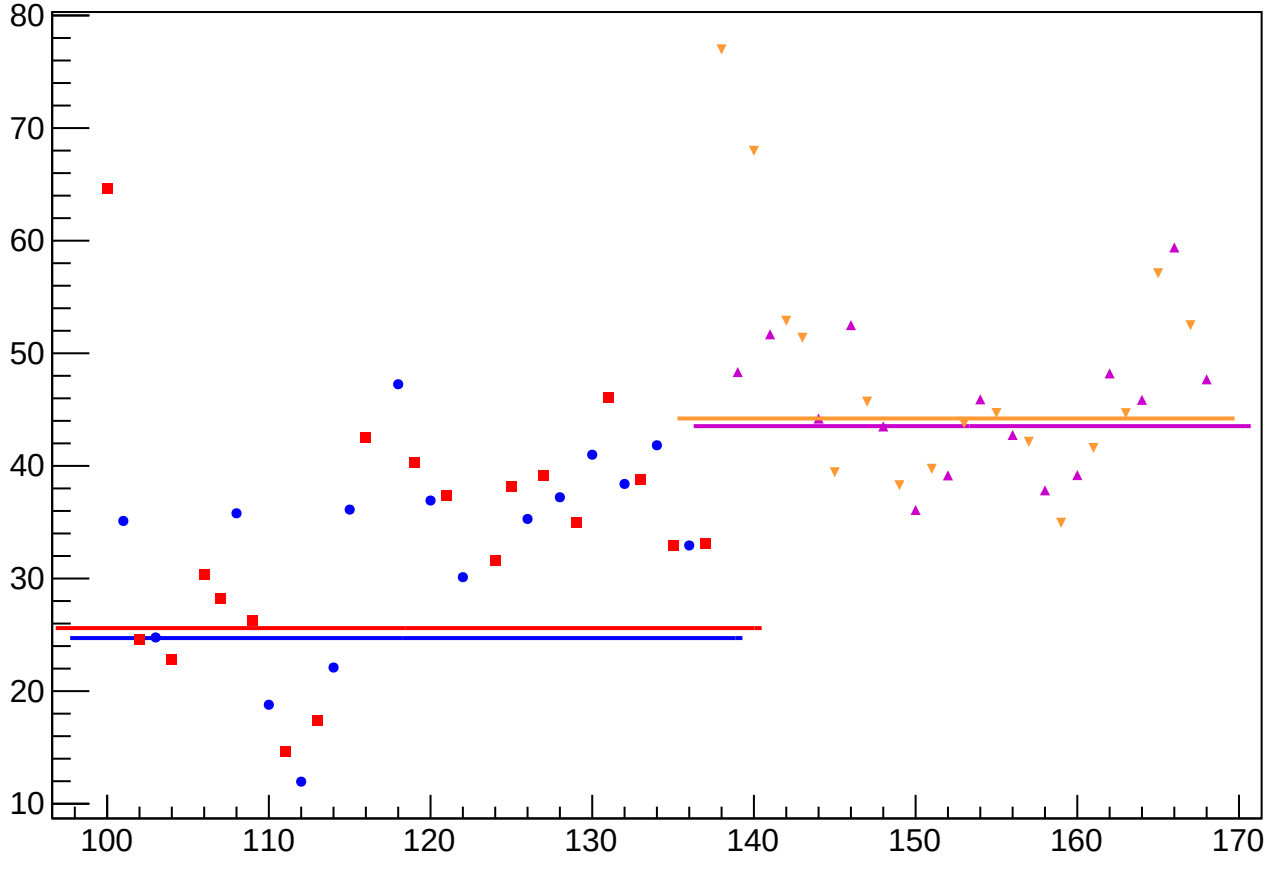
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:34.3/30

Out: 0.000+/-0.008 χ^2/NDF:29.8/34

All: 0.009+/-0.006 χ^2/NDF: 66.5/65

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.213+/-0.009 χ^2/NDF:809973.0/15

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.532+/-0.009 χ^2/NDF:364527.1/14

Left: 43.869+/-0.006 χ^2/NDF: 1177305.5/30

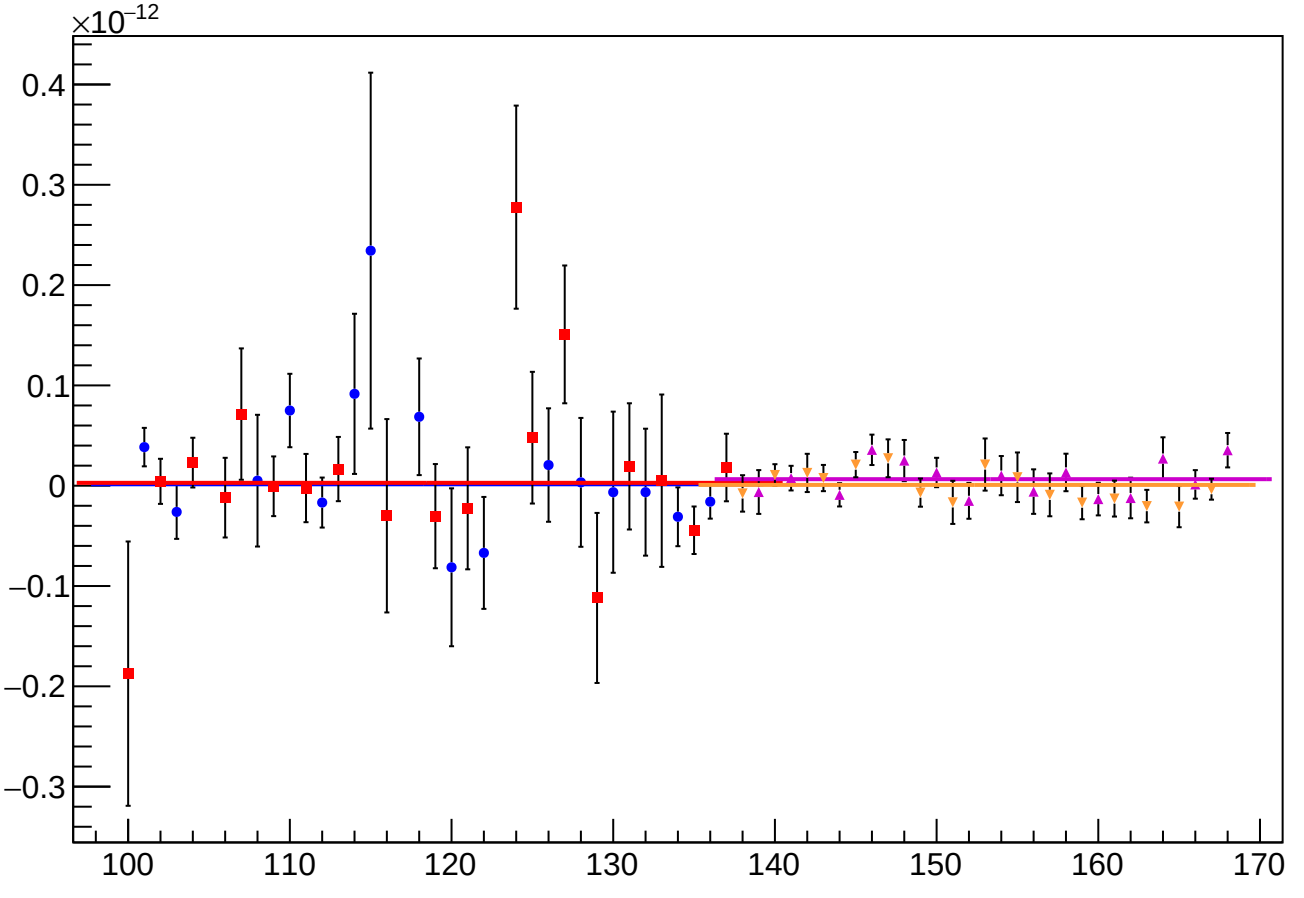
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.166+/-0.006 χ^2/NDF:5275895.0/30

Out: 32.879+/-0.006 χ^2/NDF:4947288.4/34

All: 32.521+/-0.004 χ^2/NDF: 10230998.0/65

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/14

Left: 0.000+/-0.000 χ^2/NDF: 28.9/30

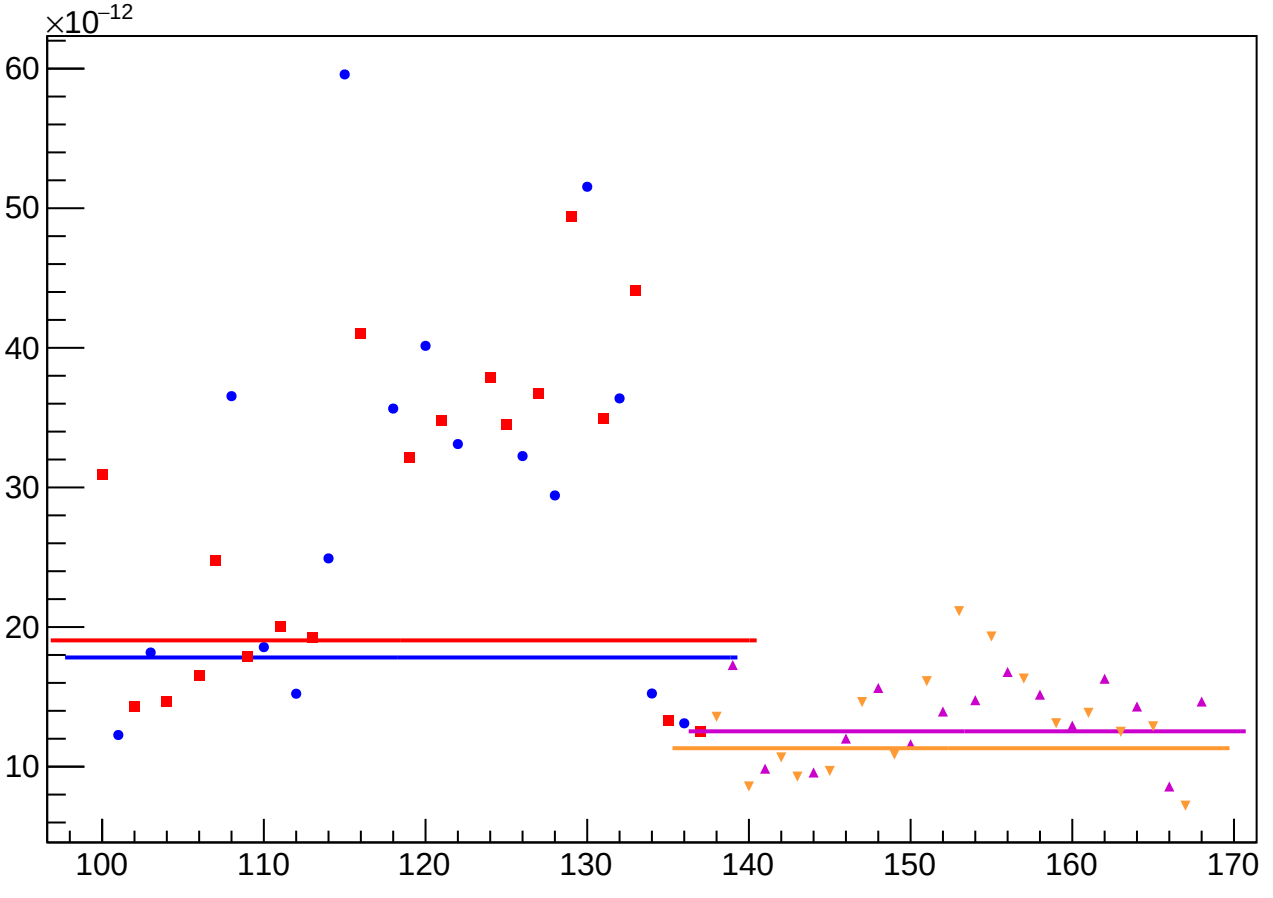
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:34.1/30

Out: 0.000+/-0.000 χ^2/NDF:36.4/34

All: 0.000+/-0.000 χ^2/NDF: 71.2/65

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408302.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:795806.1/14

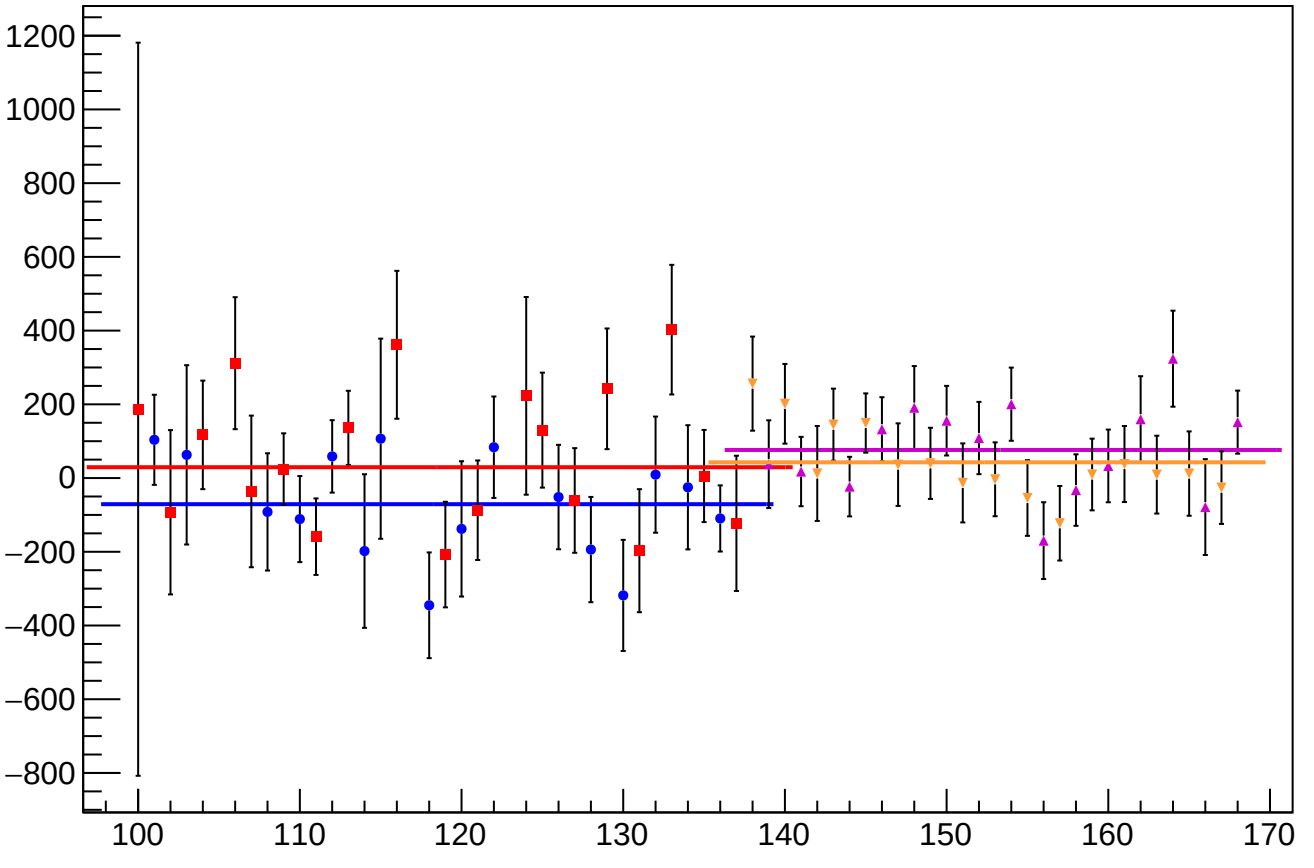
Left: 0.000+/-0.000 χ^2/NDF: 2290683.4/30

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3264456.0/30

Out: 0.000+/-0.000 χ^2/NDF:4232973.8/34

All: 0.000+/-0.000 χ^2/NDF: 7572592.0/65



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.759+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 76.182+/-25.864 χ^2/NDF:19.2/14

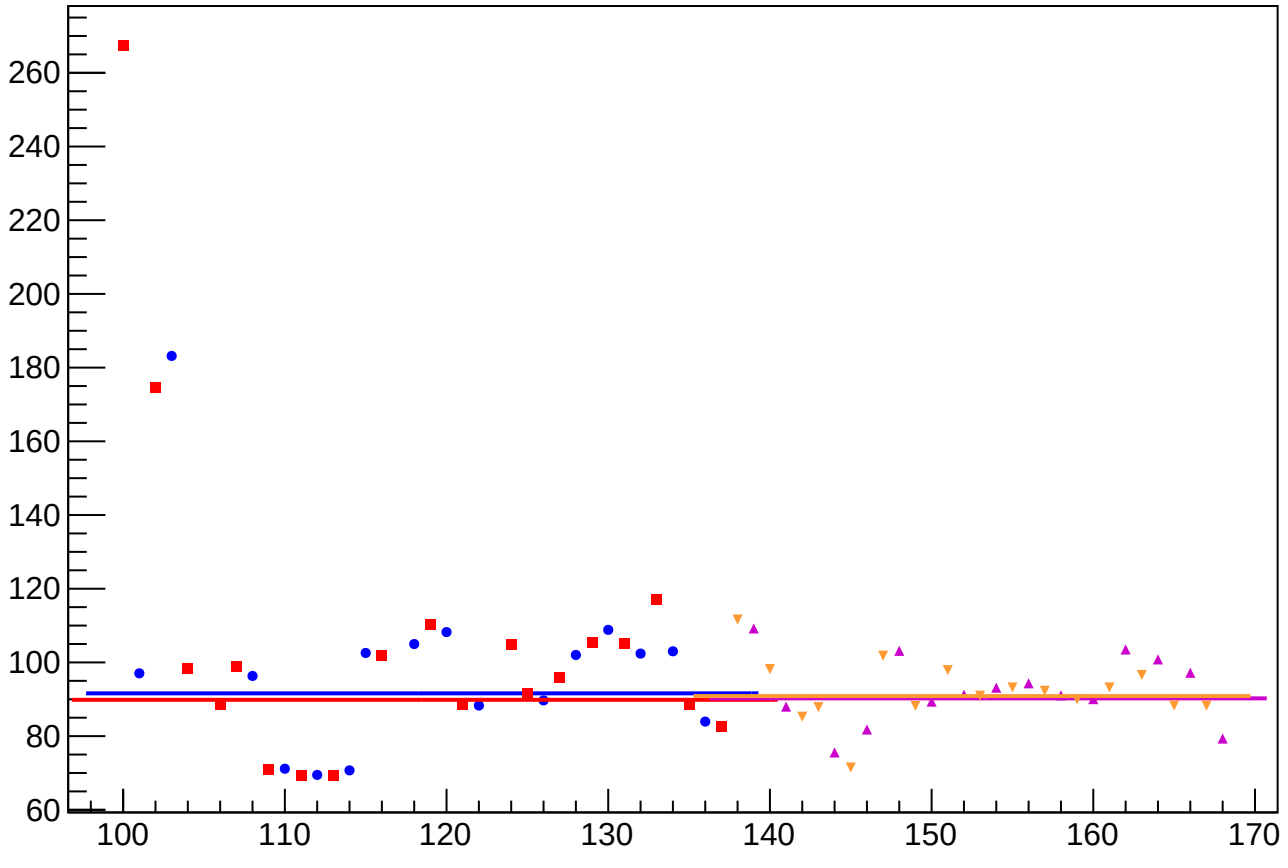
Left: 59.432+/-18.267 χ^2/NDF: 32.7/30

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 24.470+/-20.826 χ^2/NDF:44.6/30

Out: 37.924+/-20.608 χ^2/NDF:36.8/34

All: 31.268+/-14.648 χ^2/NDF: 81.6/65



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

Left: 90.556+/-0.013 χ^2/NDF: 470414.8/30

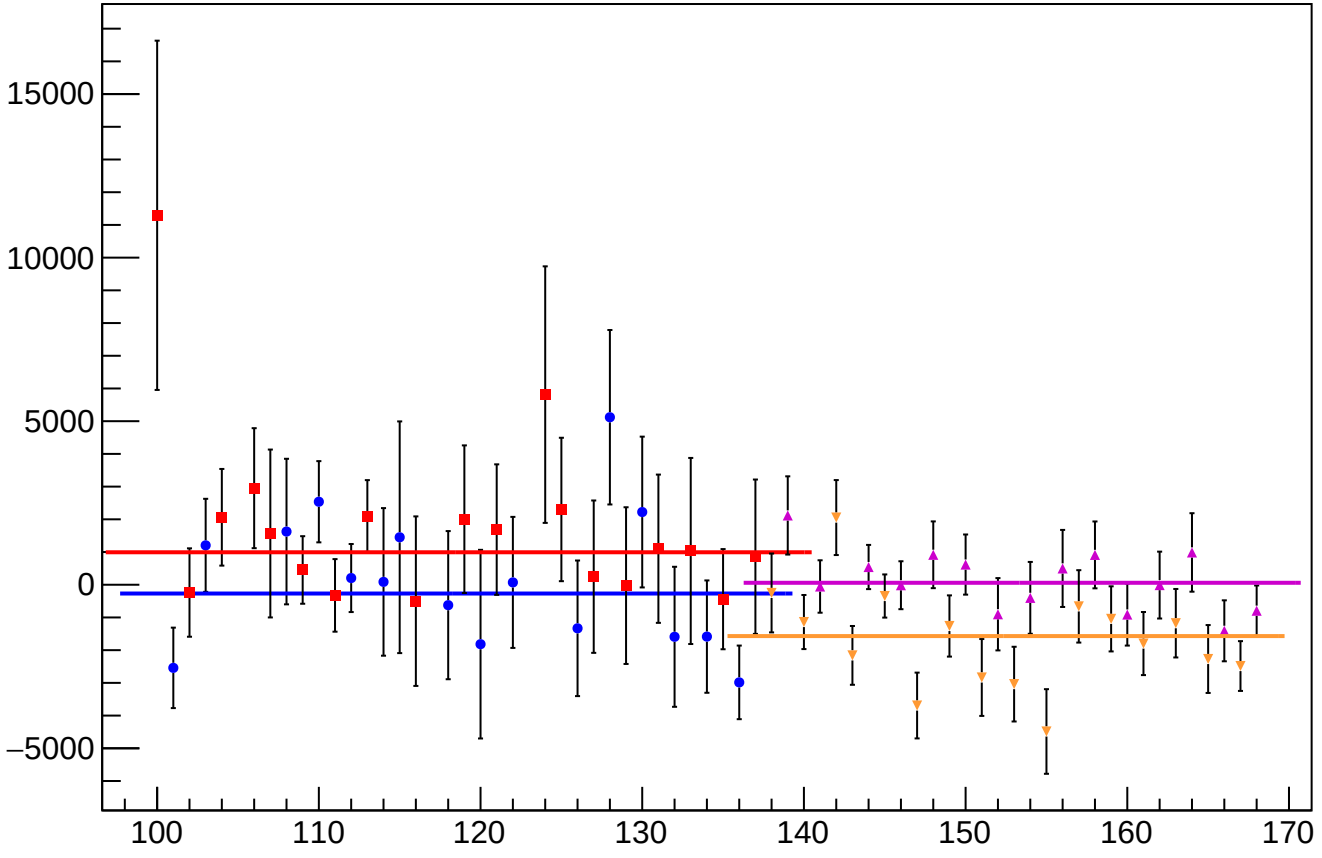
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.722+/-0.015 χ^2/NDF:828079.5/30

Out: 90.501+/-0.015 χ^2/NDF:971789.0/34

All: 90.611+/-0.010 χ^2/NDF: 1799982.8/65

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: -1569.543+/-241.582 χ^2/NDF:30.9/15

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 59.743+/-239.911 χ^2/NDF:11.7/14

Left: -749.245+/-170.231 χ^2/NDF: 65.5/30

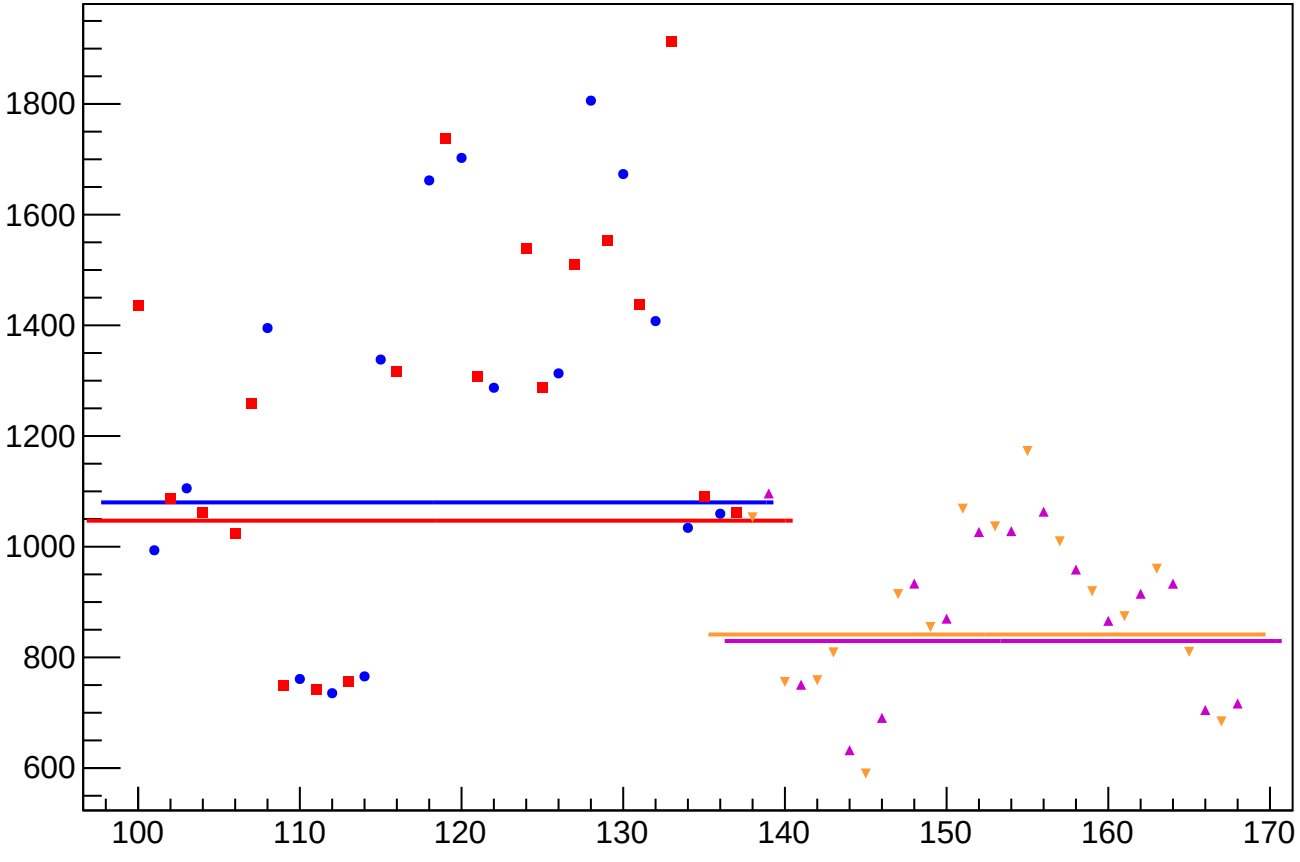
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -21.129+/-208.269 χ^2/NDF:35.6/30

Out: -886.800+/-206.907 χ^2/NDF:73.5/34

All: -456.803+/-146.784 χ^2/NDF: 117.8/65

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: 841.394+/-0.171 χ^2/NDF:835418.3/15

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 829.612+/-0.170 χ^2/NDF:735867.2/14

Left: 835.462+/-0.120 χ^2/NDF: 1573680.3/30

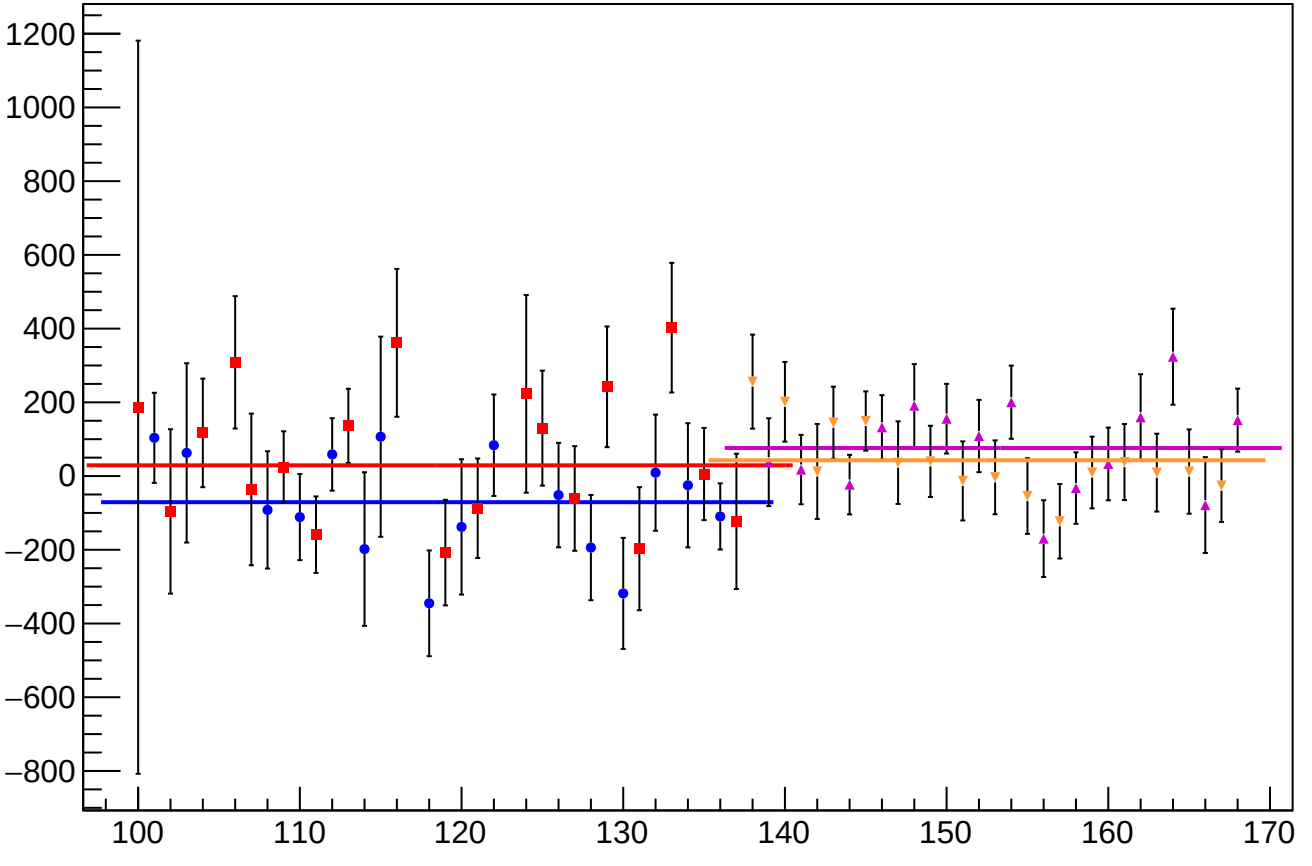
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 891.316+/-0.147 χ^2/NDF:2326287.6/30

Out: 896.199+/-0.146 χ^2/NDF:2420343.7/34

All: 893.773+/-0.104 χ^2/NDF: 4747184.5/65

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.182+/-25.864 χ^2/NDF:19.2/14

Left: 59.435+/-18.267 χ^2/NDF: 32.7/30

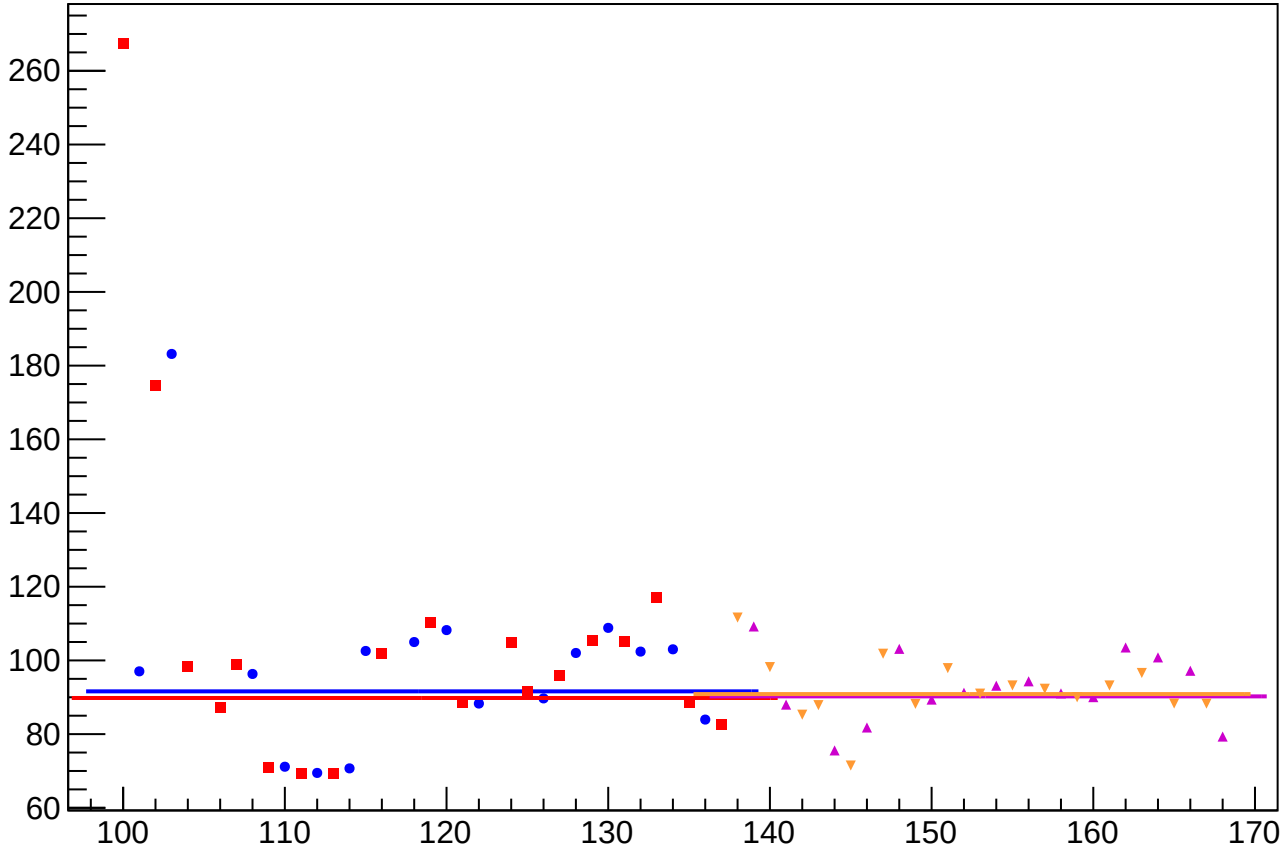
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 24.466+/-20.826 χ^2/NDF:44.6/30

Out: 37.838+/-20.609 χ^2/NDF:36.8/34

All: 31.222+/-14.649 χ^2/NDF: 81.6/65

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

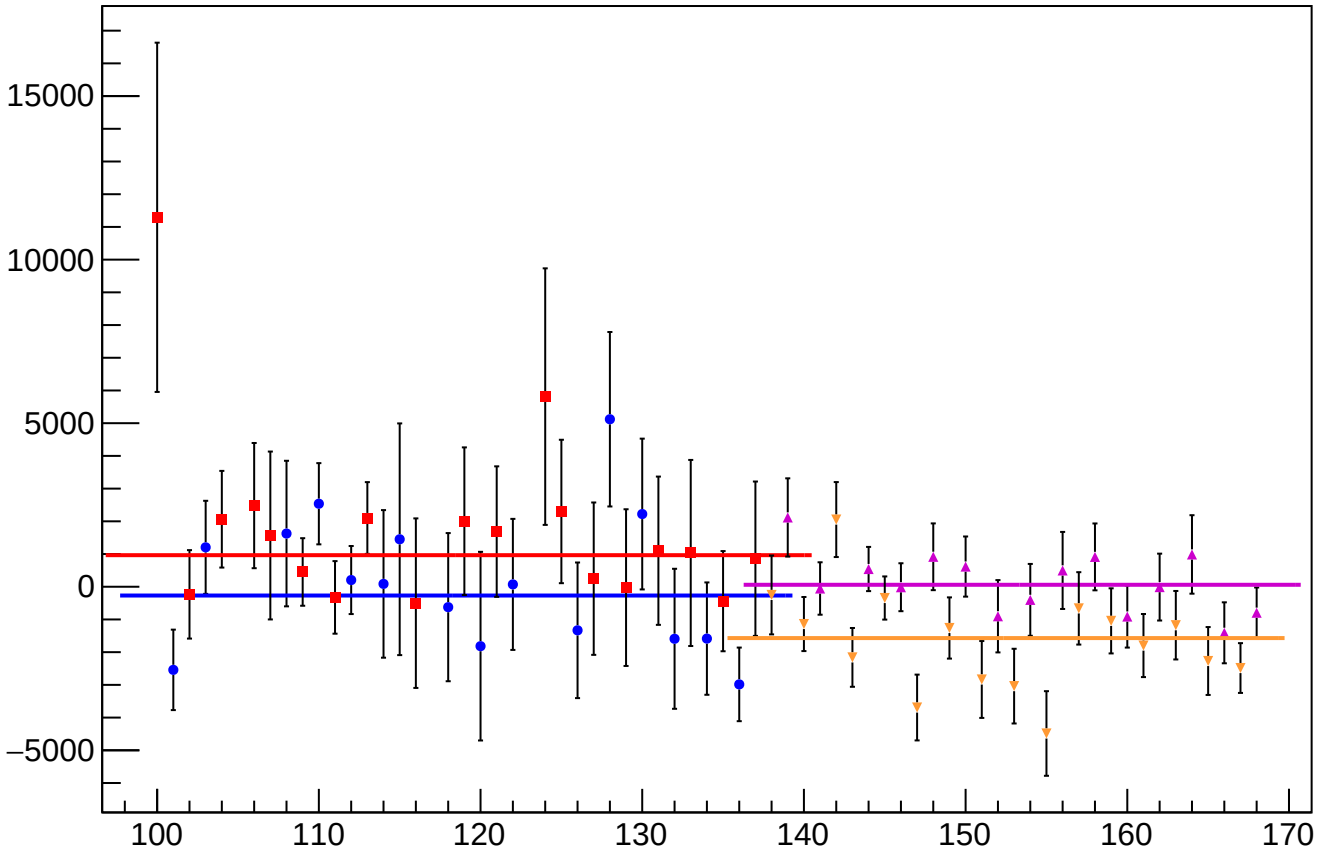
Left: 90.556+/-0.013 χ^2/NDF: 470414.8/30

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.722+/-0.015 χ^2/NDF:828082.6/30

Out: 90.484+/-0.015 χ^2/NDF:972440.3/34

All: 90.602+/-0.010 χ^2/NDF: 1800655.5/65



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1569.535+/-241.582 χ^2/NDF:30.9/15

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 59.749+/-239.911 χ^2/NDF:11.7/14

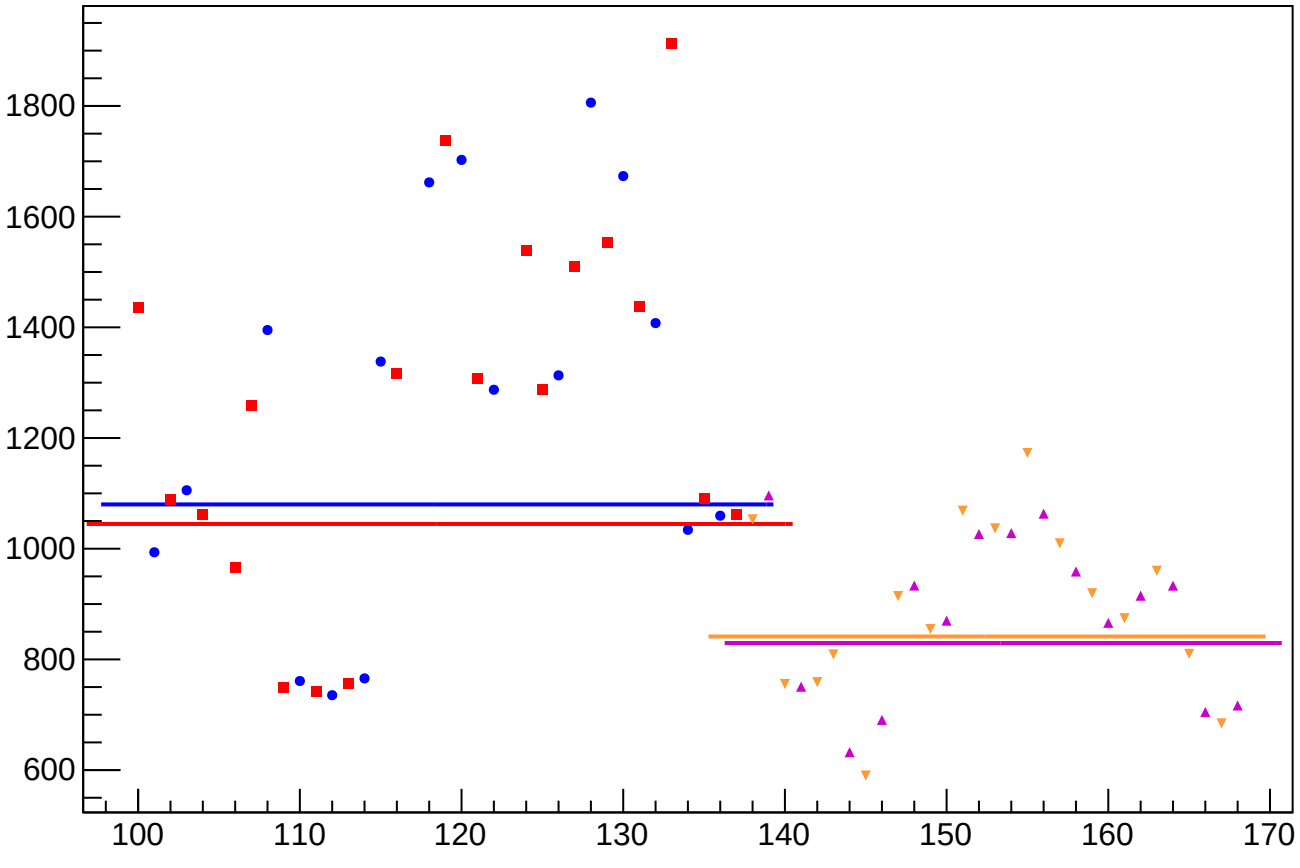
Left: -749.238+/-170.231 χ^2/NDF: 65.5/30

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -21.129+/-208.269 χ^2/NDF:35.6/30

Out: -896.165+/-207.018 χ^2/NDF:72.2/34

All: -461.283+/-146.824 χ^2/NDF: 116.7/65



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 829.612+/-0.170 χ^2/NDF:735864.7/14

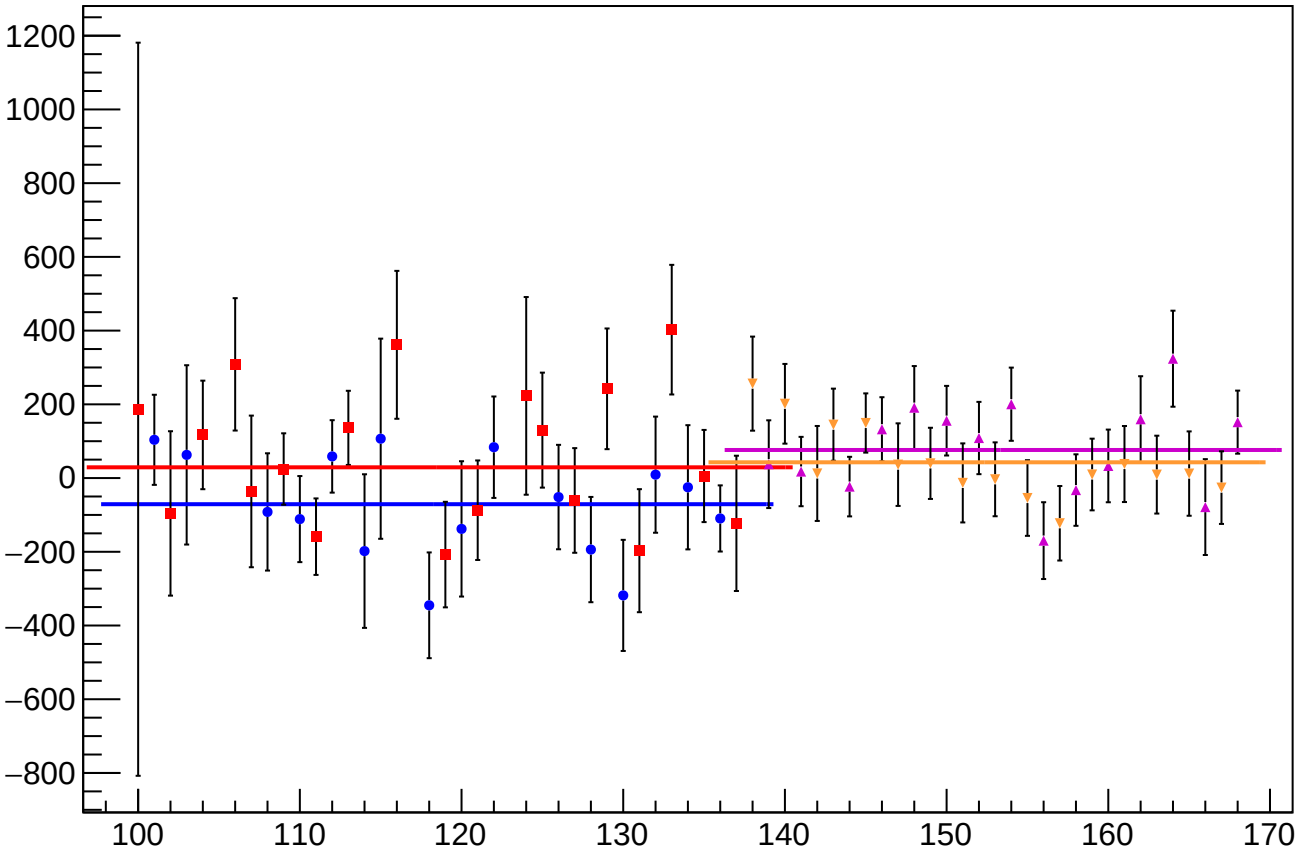
Left: 835.462+/-0.120 χ^2/NDF: 1573681.1/30

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 891.318+/-0.147 χ^2/NDF:2326321.0/30

Out: 895.412+/-0.146 χ^2/NDF:2413632.8/34

All: 893.377+/-0.104 χ^2/NDF: 4740342.6/65



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 42.765+/-25.804 χ^2/NDF:12.7/15

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.182+/-25.864 χ^2/NDF:19.2/14

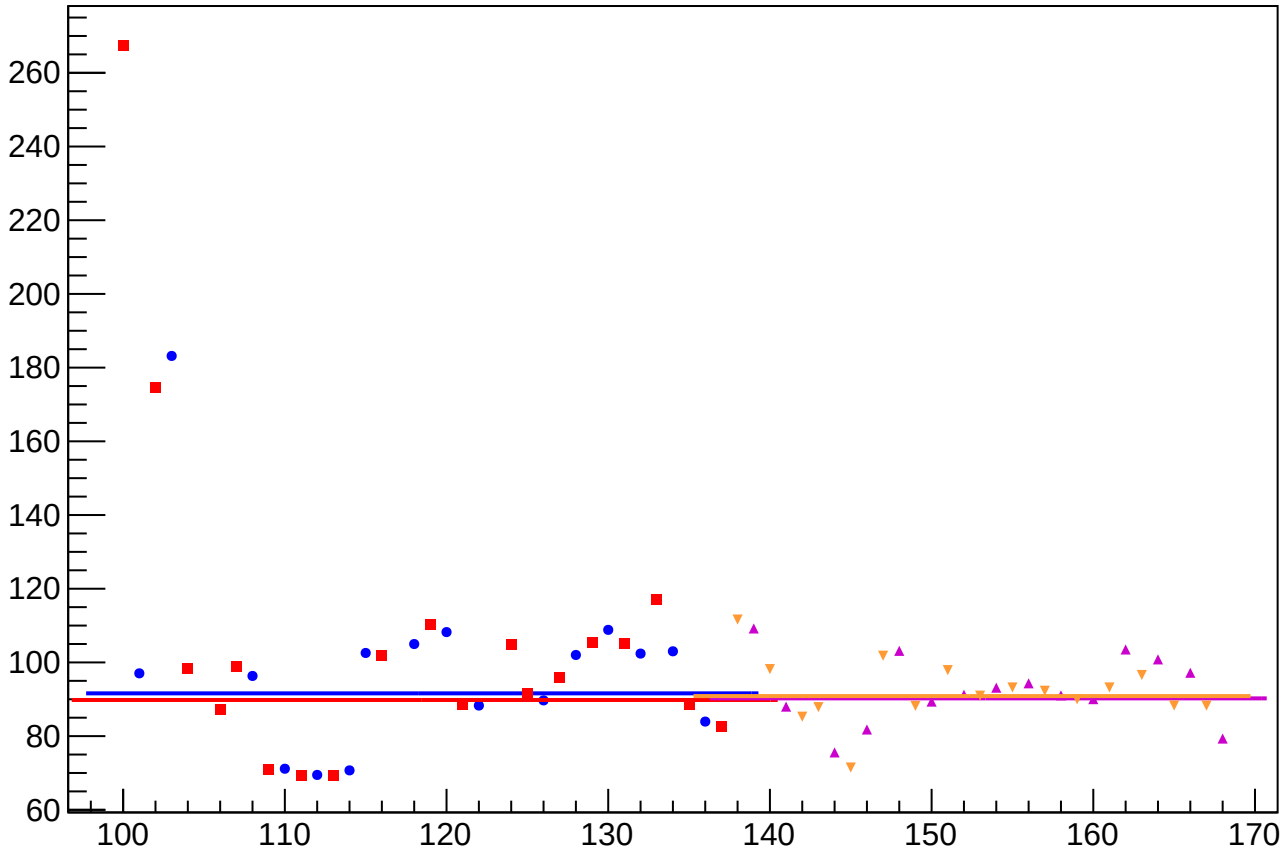
Left: 59.435+/-18.267 χ^2/NDF: 32.7/30

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 24.466+/-20.826 χ^2/NDF:44.6/30

Out: 37.838+/-20.609 χ^2/NDF:36.8/34

All: 31.222+/-14.649 χ^2/NDF: 81.6/65



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.868+/-0.018 χ^2/NDF:224382.1/15

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.242+/-0.018 χ^2/NDF:245445.6/14

Left: 90.556+/-0.013 χ^2/NDF: 470414.8/30

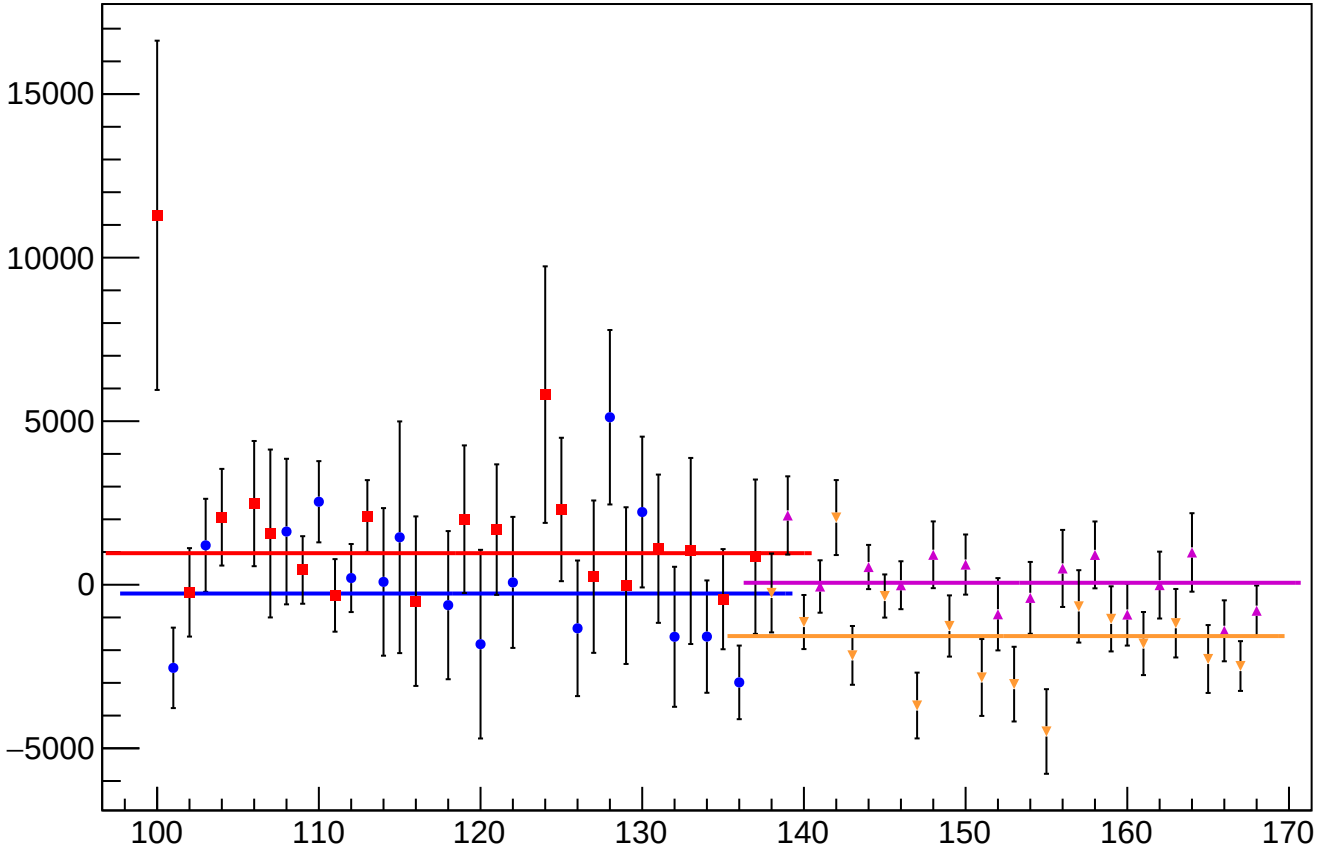
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.722+/-0.015 χ^2/NDF:828082.6/30

Out: 90.484+/-0.015 χ^2/NDF:972440.3/34

All: 90.602+/-0.010 χ^2/NDF: 1800655.5/65

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: -1569.535+/-241.582 χ^2/NDF:30.9/15

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 59.749+/-239.911 χ^2/NDF:11.7/14

Left: -749.238+/-170.231 χ^2/NDF: 65.5/30

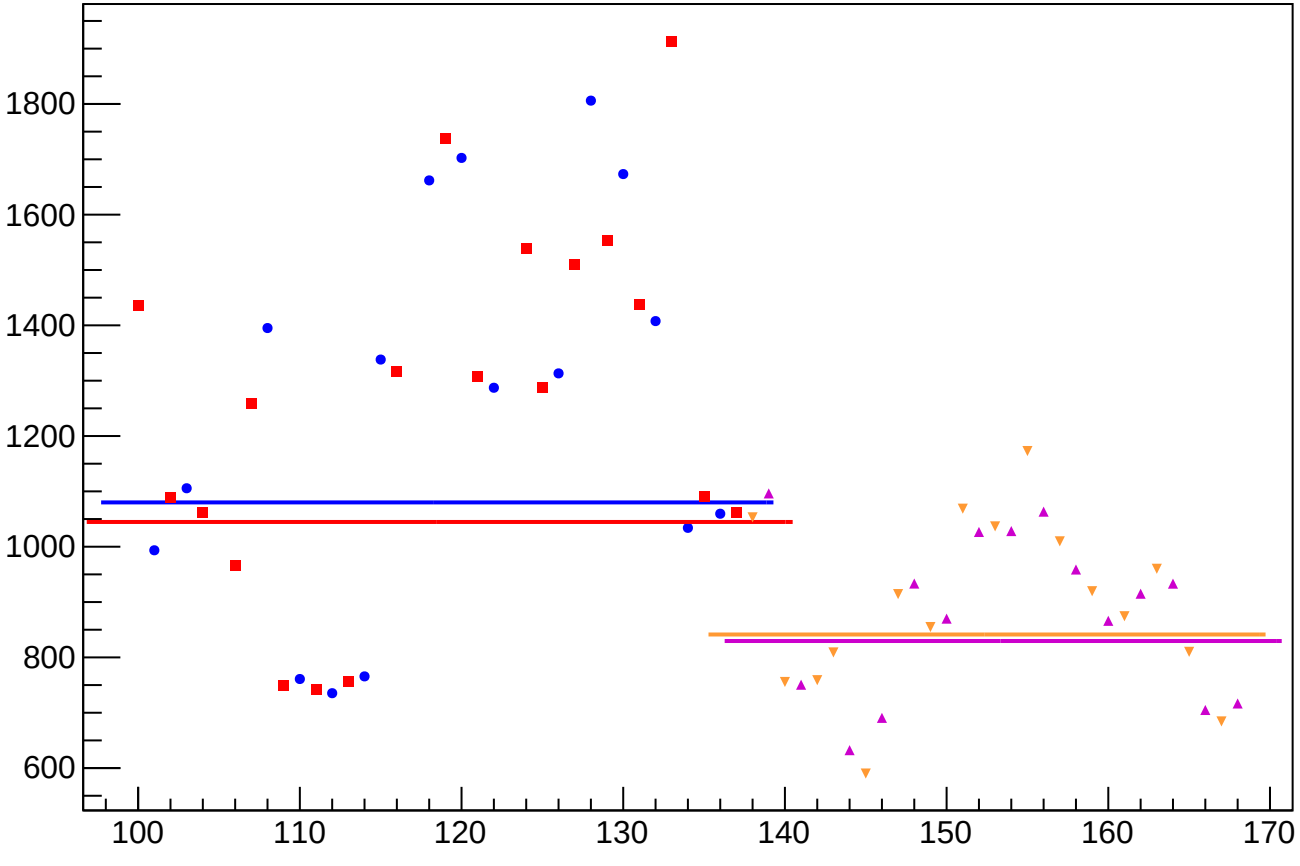
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -21.129+/-208.269 χ^2/NDF:35.6/30

Out: -896.165+/-207.018 χ^2/NDF:72.2/34

All: -461.283+/-146.824 χ^2/NDF: 116.7/65

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: 841.393+/-0.171 χ^2/NDF:835421.8/15

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 829.612+/-0.170 χ^2/NDF:735864.7/14

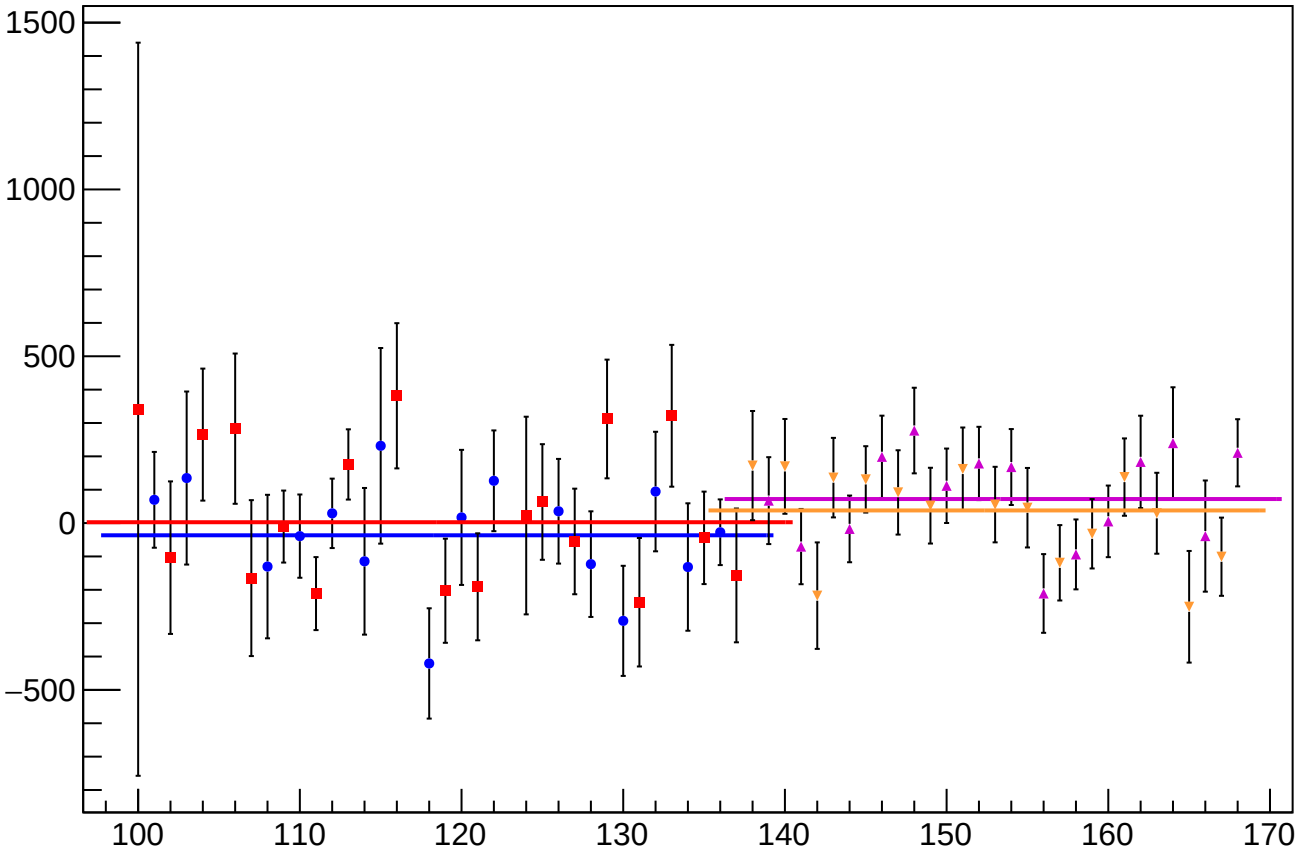
Left: 835.462+/-0.120 χ^2/NDF: 1573681.1/30

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 891.318+/-0.147 χ^2/NDF:2326321.0/30

Out: 895.412+/-0.146 χ^2/NDF:2413632.8/34

All: 893.377+/-0.104 χ^2/NDF: 4740342.6/65



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 37.912+/-30.536 χ^2/NDF:14.4/15

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 72.084+/-30.471 χ^2/NDF:20.4/14

Left: 55.034+/-21.569 χ^2/NDF: 35.5/30

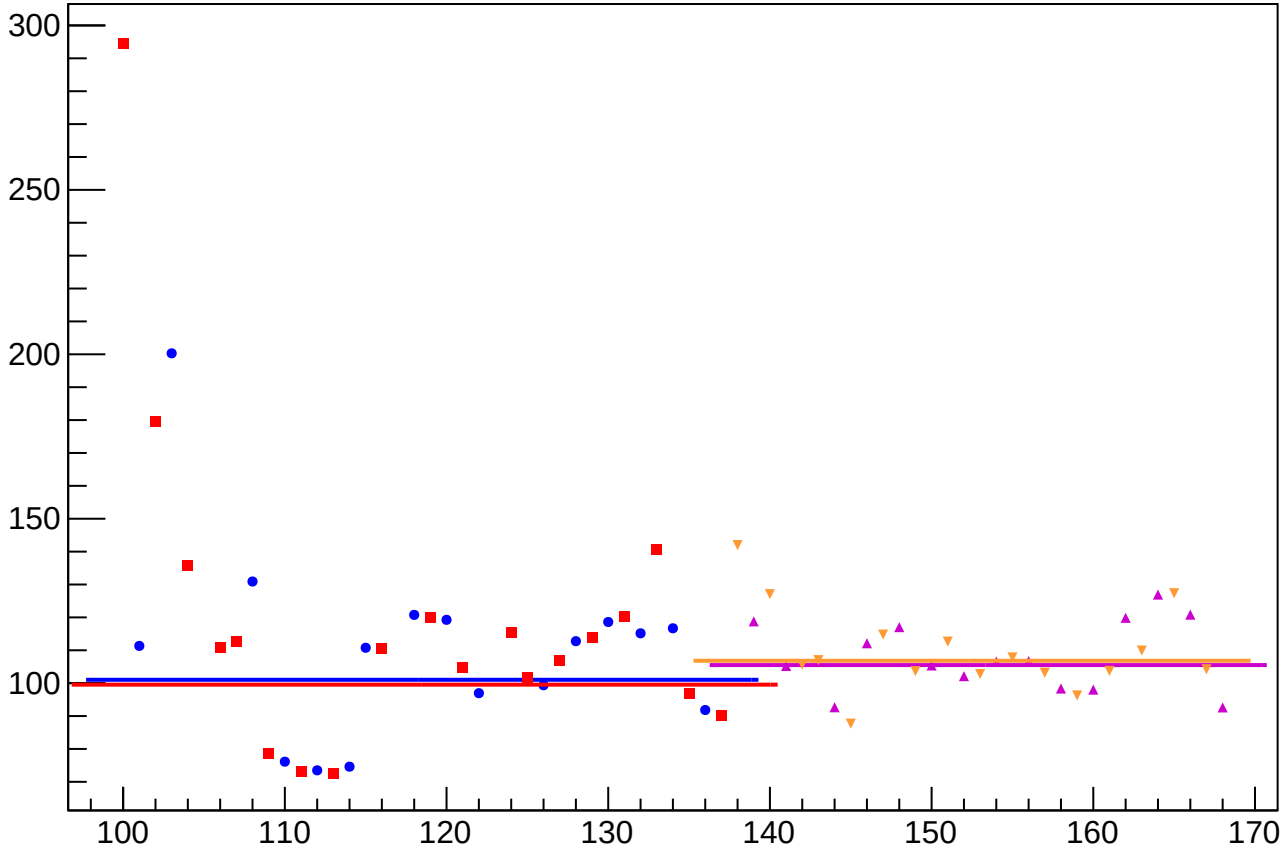
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 30.879+/-24.009 χ^2/NDF:38.2/30

Out: 24.117+/-23.843 χ^2/NDF:39.7/34

All: 27.474+/-16.918 χ^2/NDF: 77.8/65

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.818+/-0.022 χ^2/NDF:279959.7/15

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.500+/-0.022 χ^2/NDF:200969.7/14

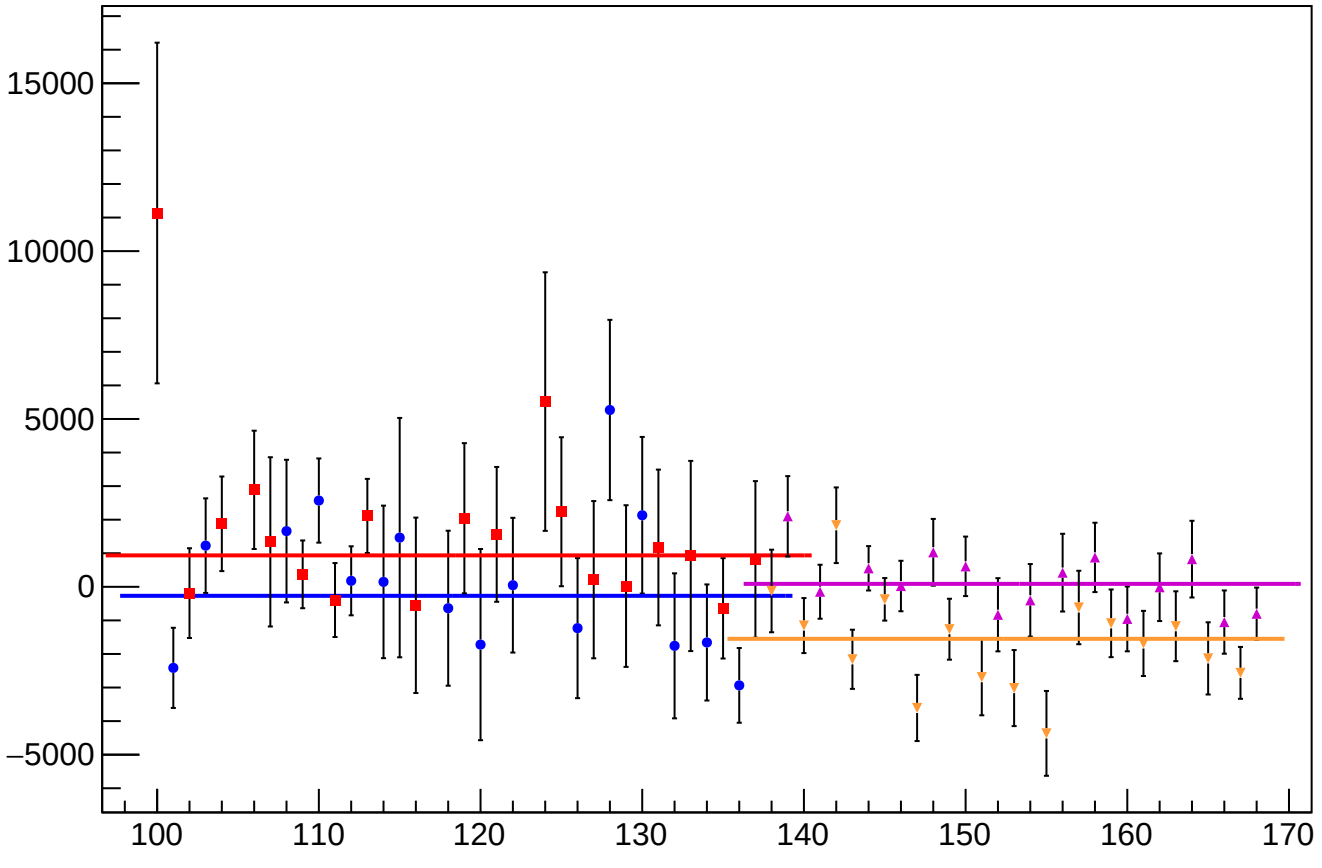
Left: 106.157+/-0.015 χ^2/NDF: 482797.1/30

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.805+/-0.017 χ^2/NDF:933374.3/30

Out: 103.980+/-0.017 χ^2/NDF:1204715.7/34

All: 103.893+/-0.012 χ^2/NDF: 2138143.4/65



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1548.456+/-239.178 χ^2/NDF:29.7/15

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 88.145+/-238.572 χ^2/NDF:10.6/14

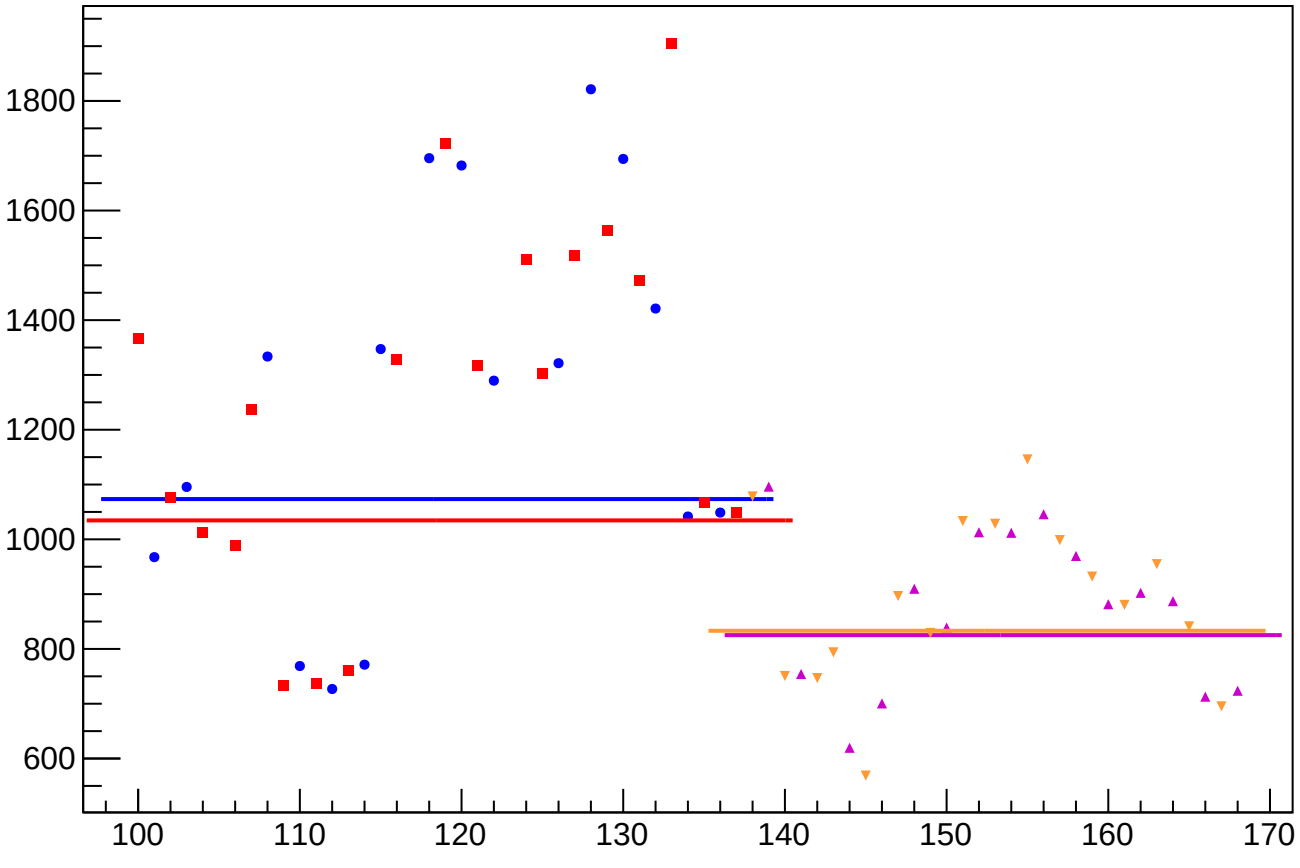
Left: -728.077+/-168.910 χ^2/NDF: 63.8/30

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 0.367+/-207.085 χ^2/NDF:34.6/30

Out: -884.763+/-204.765 χ^2/NDF:71.7/34

All: -447.182+/-145.604 χ^2/NDF: 115.6/65



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 833.152+/-0.169 χ^2/NDF:876242.5/15

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 825.204+/-0.169 χ^2/NDF:699172.5/14

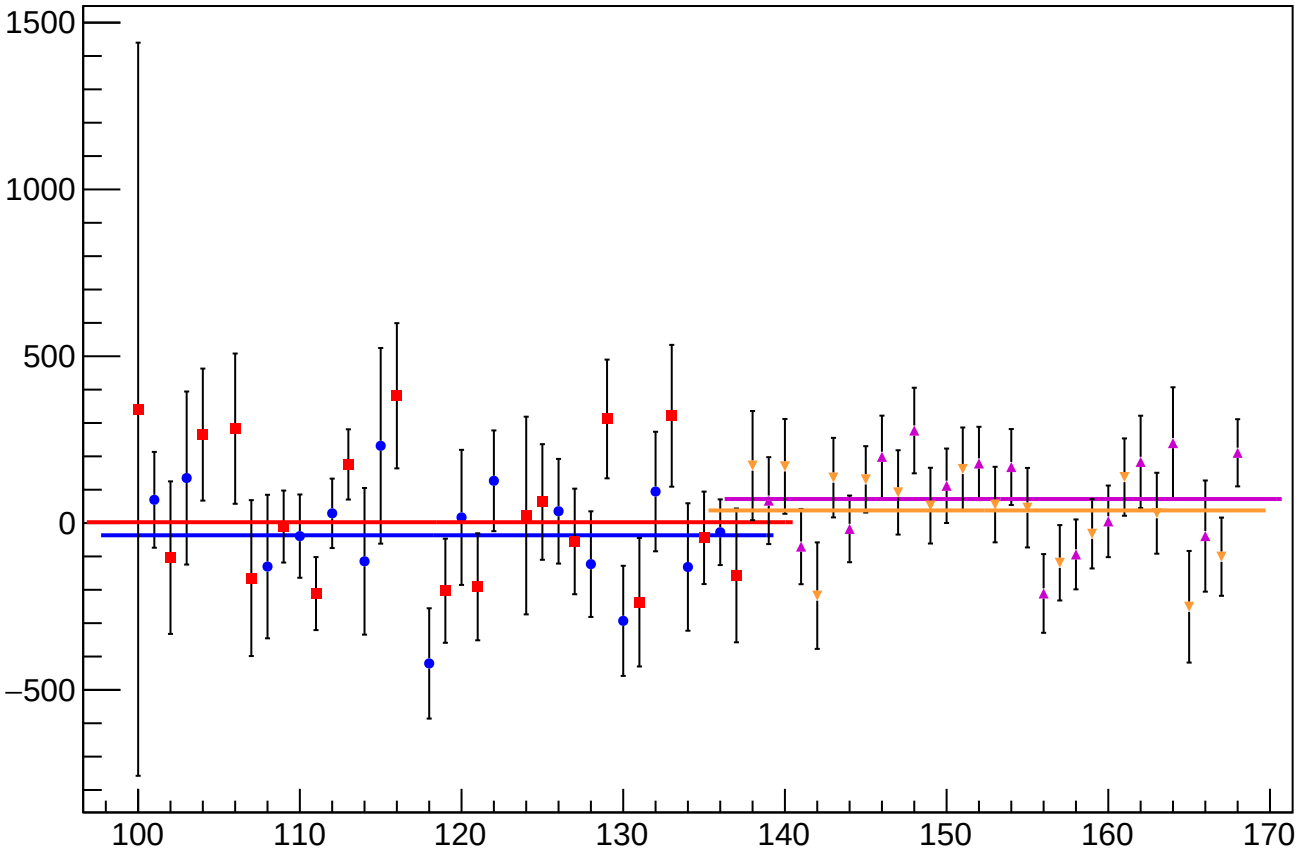
Left: 829.168+/-0.119 χ^2/NDF: 1576522.2/30

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 886.409+/-0.146 χ^2/NDF:2310143.4/30

Out: 886.933+/-0.145 χ^2/NDF:2484237.7/34

All: 886.674+/-0.103 χ^2/NDF: 4794387.6/65



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 37.915+/-30.536 χ^2/NDF:14.4/15

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 72.083+/-30.471 χ^2/NDF:20.4/14

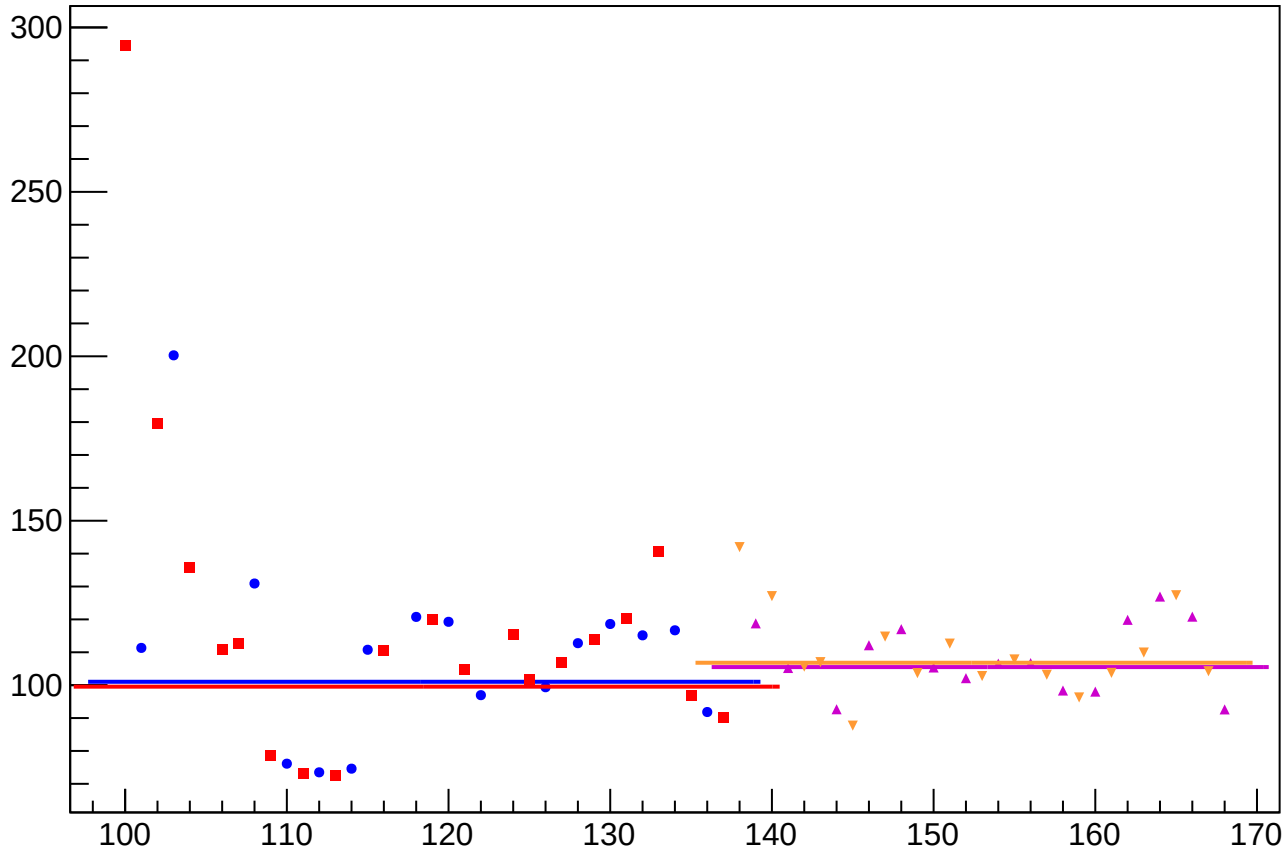
Left: 55.035+/-21.569 χ^2/NDF: 35.5/30

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 30.879+/-24.009 χ^2/NDF:38.2/30

Out: 24.118+/-23.843 χ^2/NDF:39.6/34

All: 27.475+/-16.918 χ^2/NDF: 77.8/65



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.818+/-0.022 χ^2/NDF:279954.6/15

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.500+/-0.022 χ^2/NDF:200969.9/14

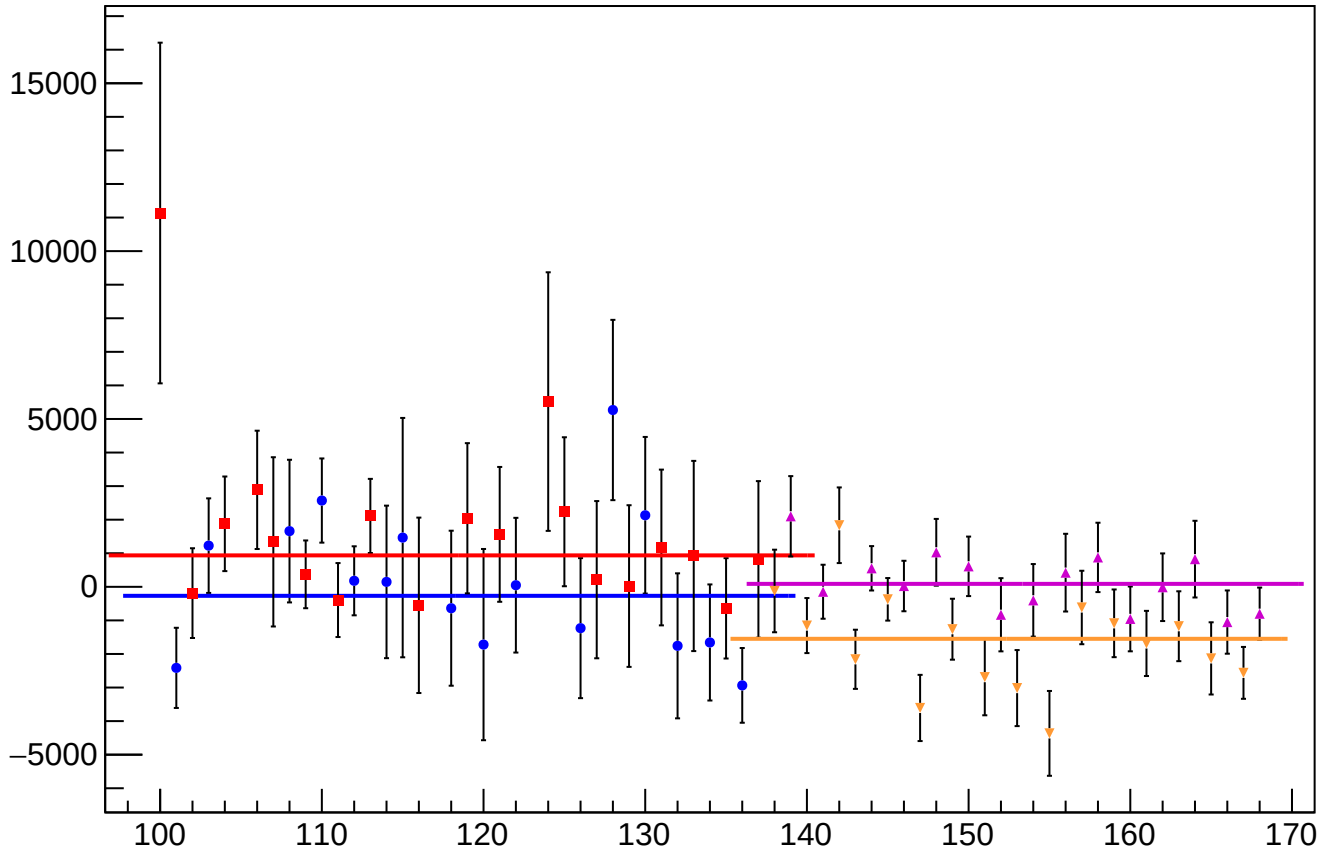
Left: 106.158+/-0.015 χ^2/NDF: 482792.3/30

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.806+/-0.017 χ^2/NDF:933374.6/30

Out: 103.980+/-0.017 χ^2/NDF:1204715.7/34

All: 103.894+/-0.012 χ^2/NDF: 2138143.6/65



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1548.454+/-239.178 χ^2/NDF:29.7/15

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 88.144+/-238.571 χ^2/NDF:10.6/14

Left: -728.077+/-168.909 χ^2/NDF: 63.8/30

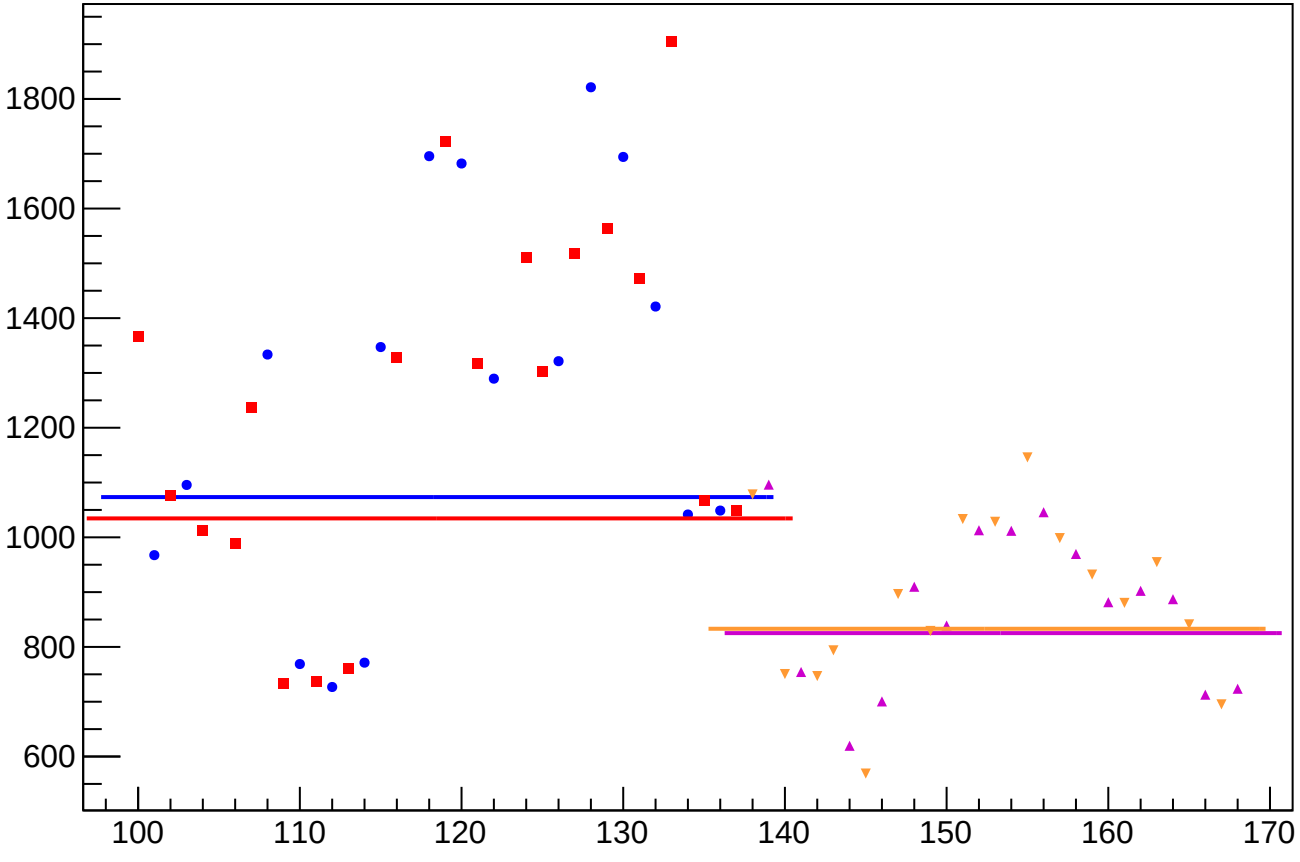
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 0.367+/-207.084 χ^2/NDF:34.6/30

Out: -884.761+/-204.765 χ^2/NDF:71.7/34

All: -447.181+/-145.604 χ^2/NDF: 115.6/65

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: 833.151+/-0.169 χ^2/NDF:876246.9/15

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 825.203+/-0.169 χ^2/NDF:699173.3/14

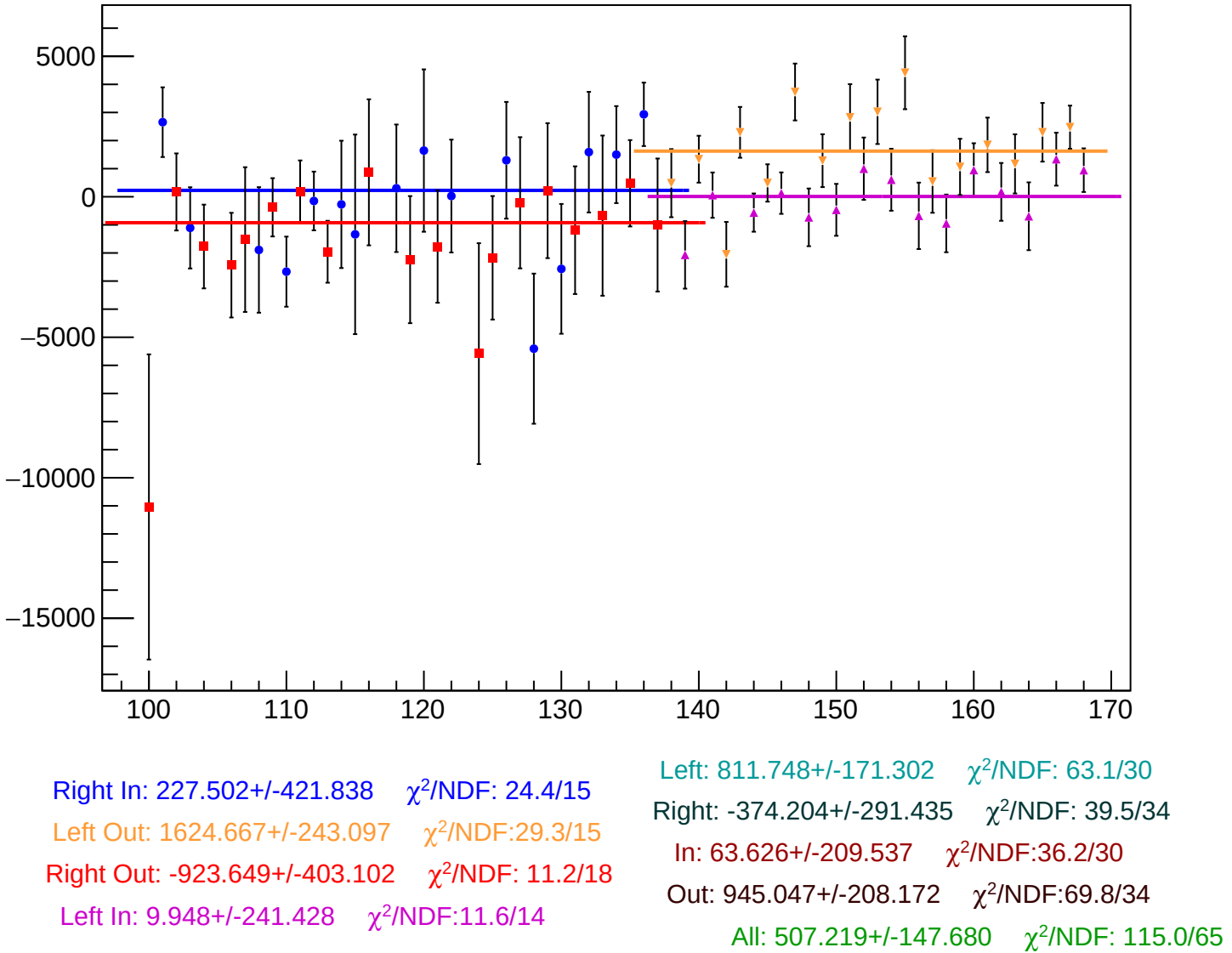
Left: 829.167+/-0.119 χ^2/NDF: 1576527.4/30

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

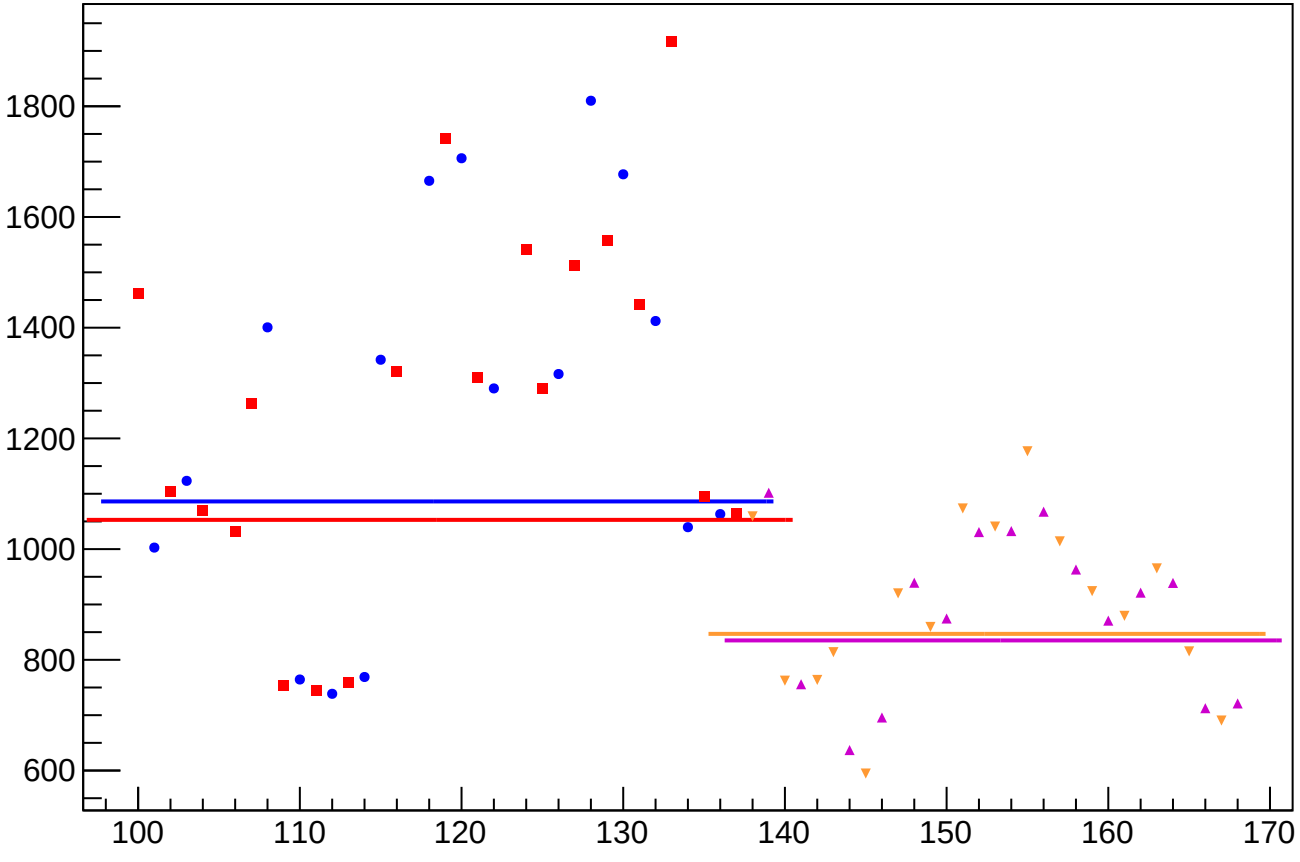
In: 886.408+/-0.146 χ^2/NDF:2310148.9/30

Out: 886.932+/-0.145 χ^2/NDF:2484244.7/34

All: 886.673+/-0.103 χ^2/NDF: 4794400.1/65


asym_sam_3748_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 227.502+/-421.838 χ²/NDF: 24.4/15
Left Out: 1624.667+/-243.097 χ²/NDF:29.3/15
Right Out: -923.649+/-403.102 χ²/NDF: 11.2/18
Left In: 9.948+/-241.428 χ²/NDF:11.6/14
Left: 811.748+/-171.302 χ²/NDF: 63.1/30
Right: -374.204+/-291.435 χ²/NDF: 39.5/34
In: 63.626+/-209.537 χ²/NDF:36.2/30
Out: 945.047+/-208.172 χ²/NDF:69.8/34
All: 507.219+/-147.680 χ²/NDF: 115.0/65

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 846.885+/-0.172 χ^2/NDF:823515.8/15

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 835.045+/-0.171 χ^2/NDF:725983.0/14

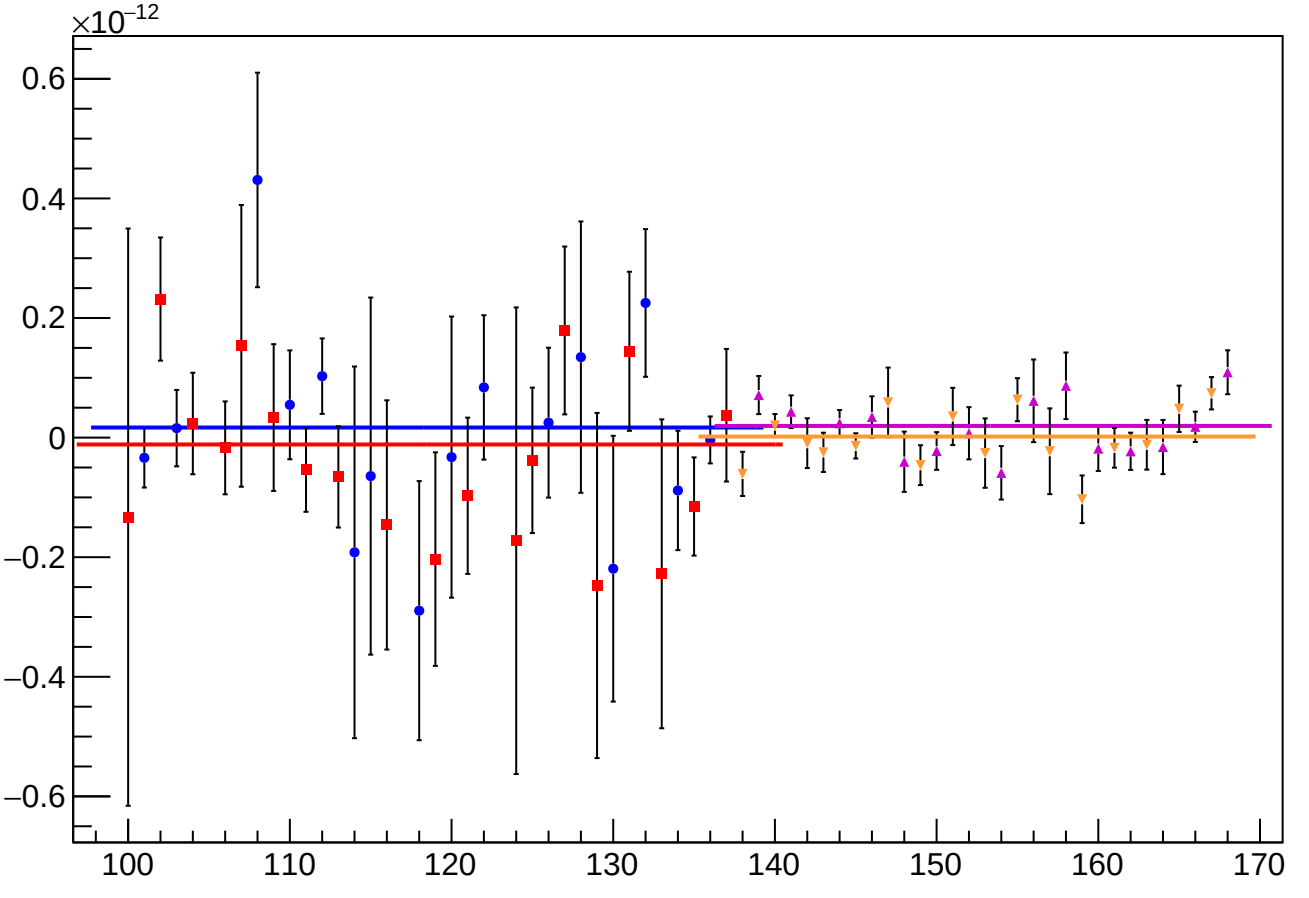
Left: 840.924+/-0.121 χ^2/NDF: 1551887.5/30

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 896.998+/-0.148 χ^2/NDF:2307232.9/30

Out: 901.810+/-0.147 χ^2/NDF:2400753.1/34

All: 899.420+/-0.104 χ^2/NDF: 4708516.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:21.2/14

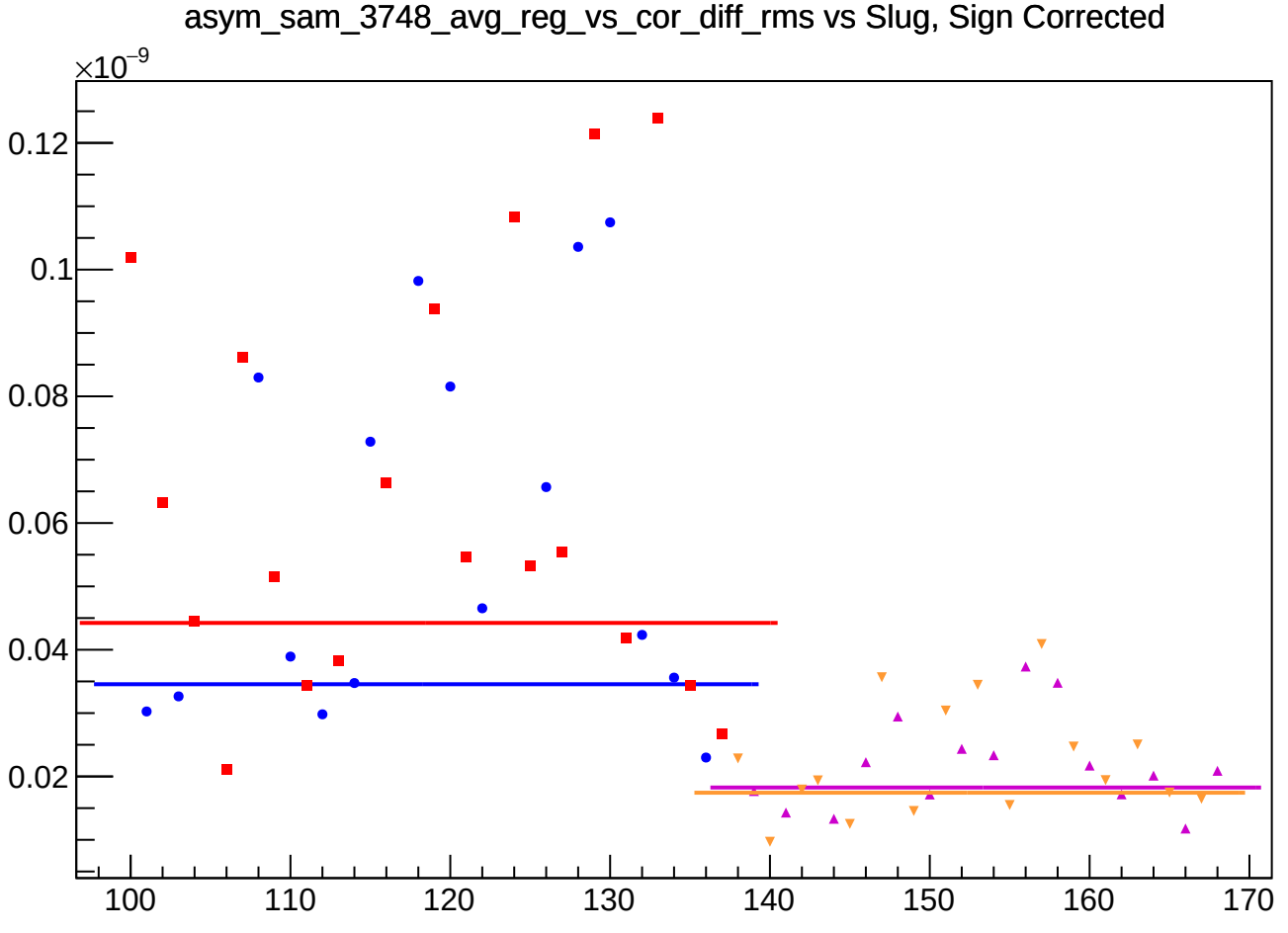
Left: 0.000+/-0.000 χ^2/NDF: 51.1/30

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:38.2/30

Out: 0.000+/-0.000 χ^2/NDF:43.8/34

All: 0.000+/-0.000 χ^2/NDF: 84.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1376988.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:828127.1/14

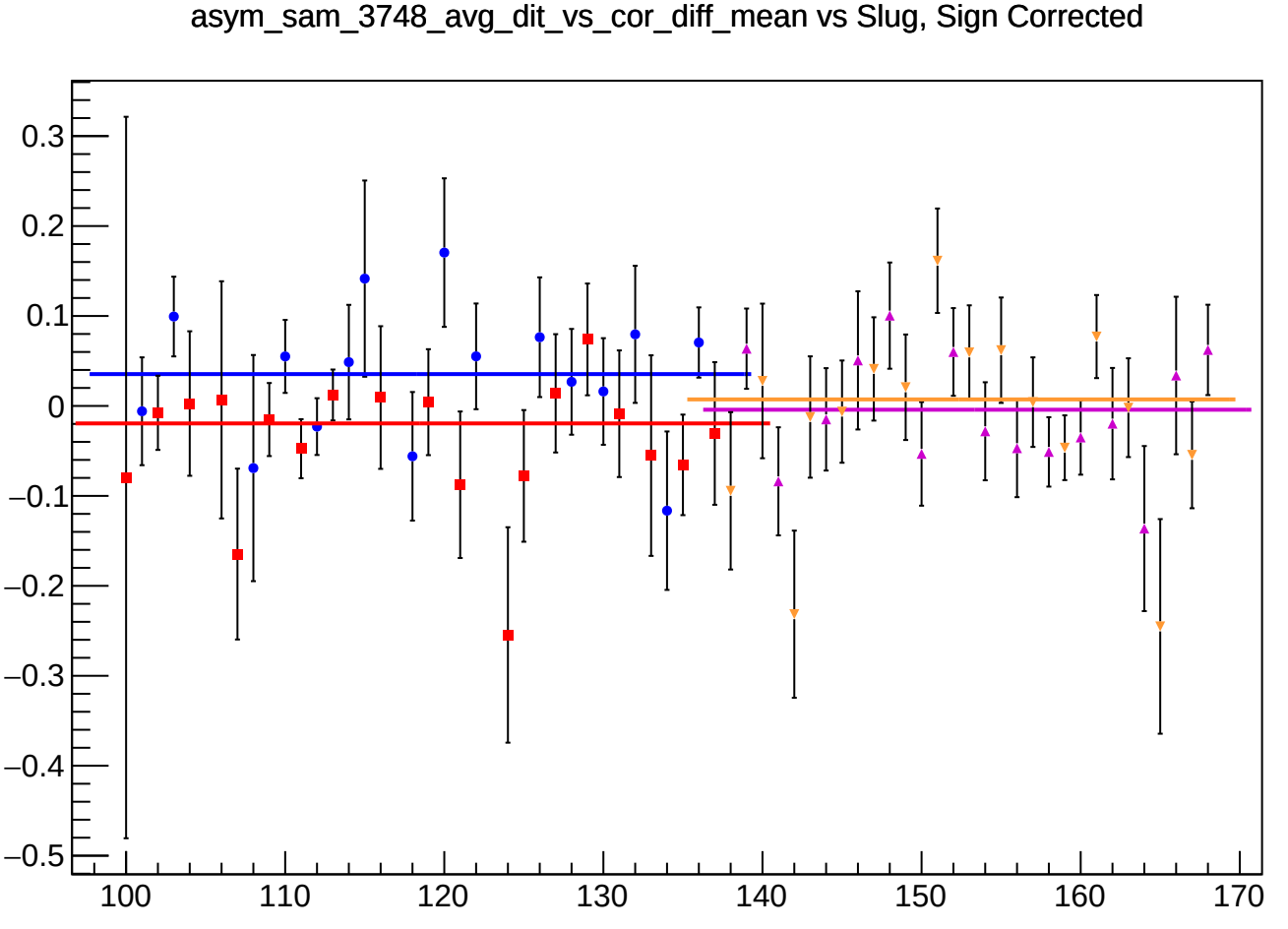
Left: 0.000+/-0.000 χ^2/NDF: 2214134.0/30

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2974875.3/30

Out: 0.000+/-0.000 χ^2/NDF:4260105.0/34

All: 0.000+/-0.000 χ^2/NDF: 7243764.1/65



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.007+/-0.014 χ^2/NDF:27.6/15

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.014 χ^2/NDF:17.1/14

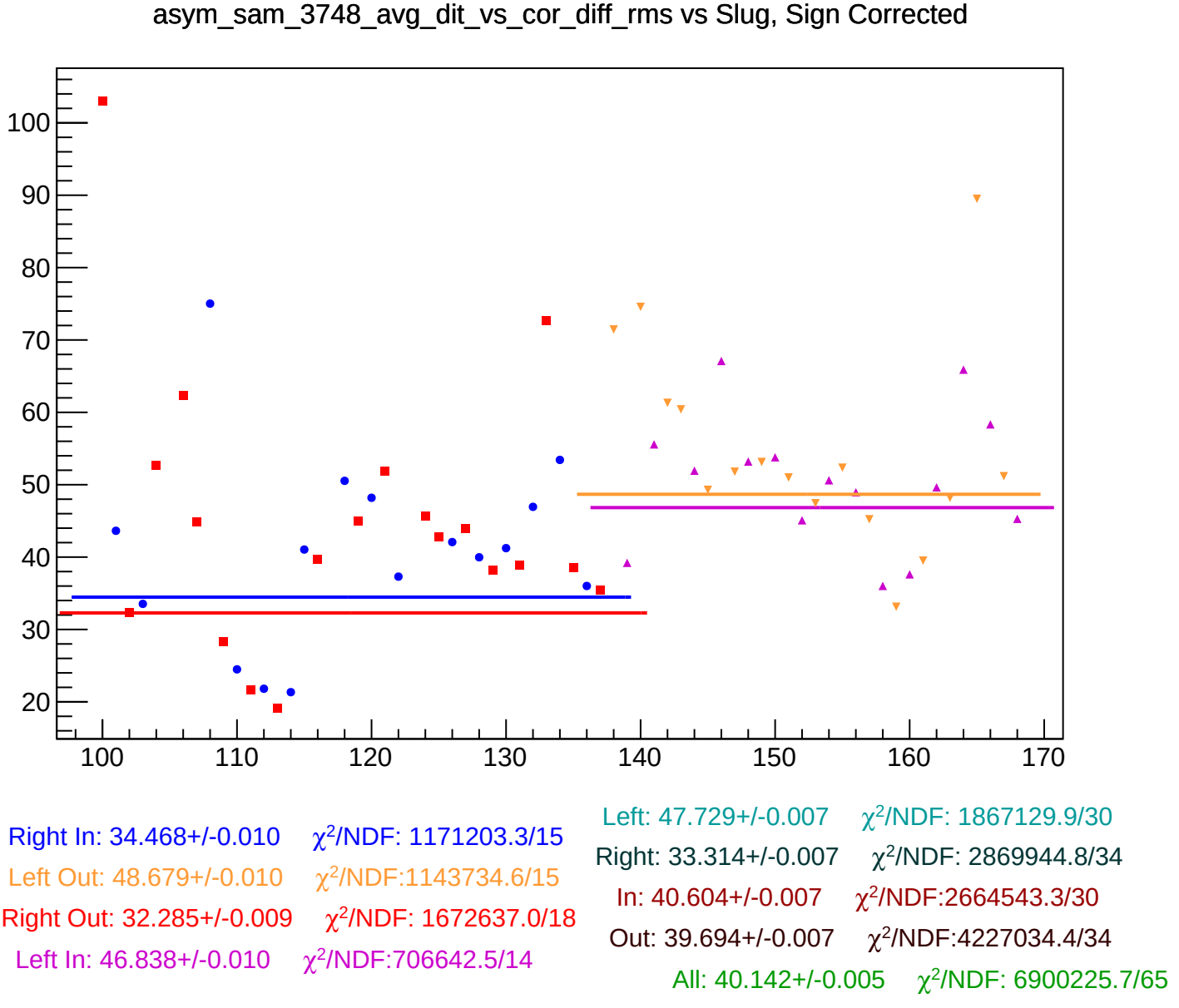
Left: 0.001+/-0.010 χ^2/NDF: 45.0/30

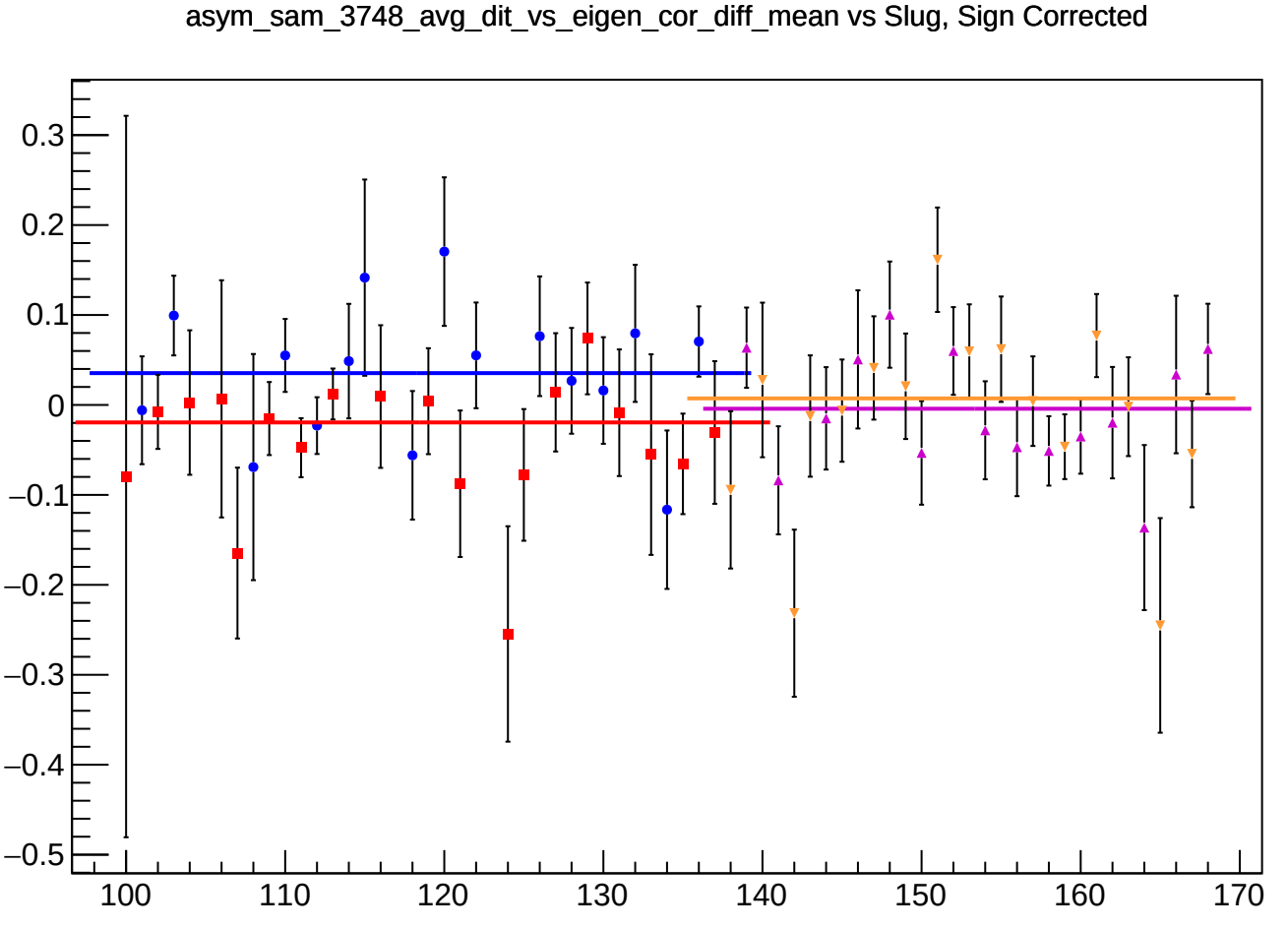
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:38.1/30

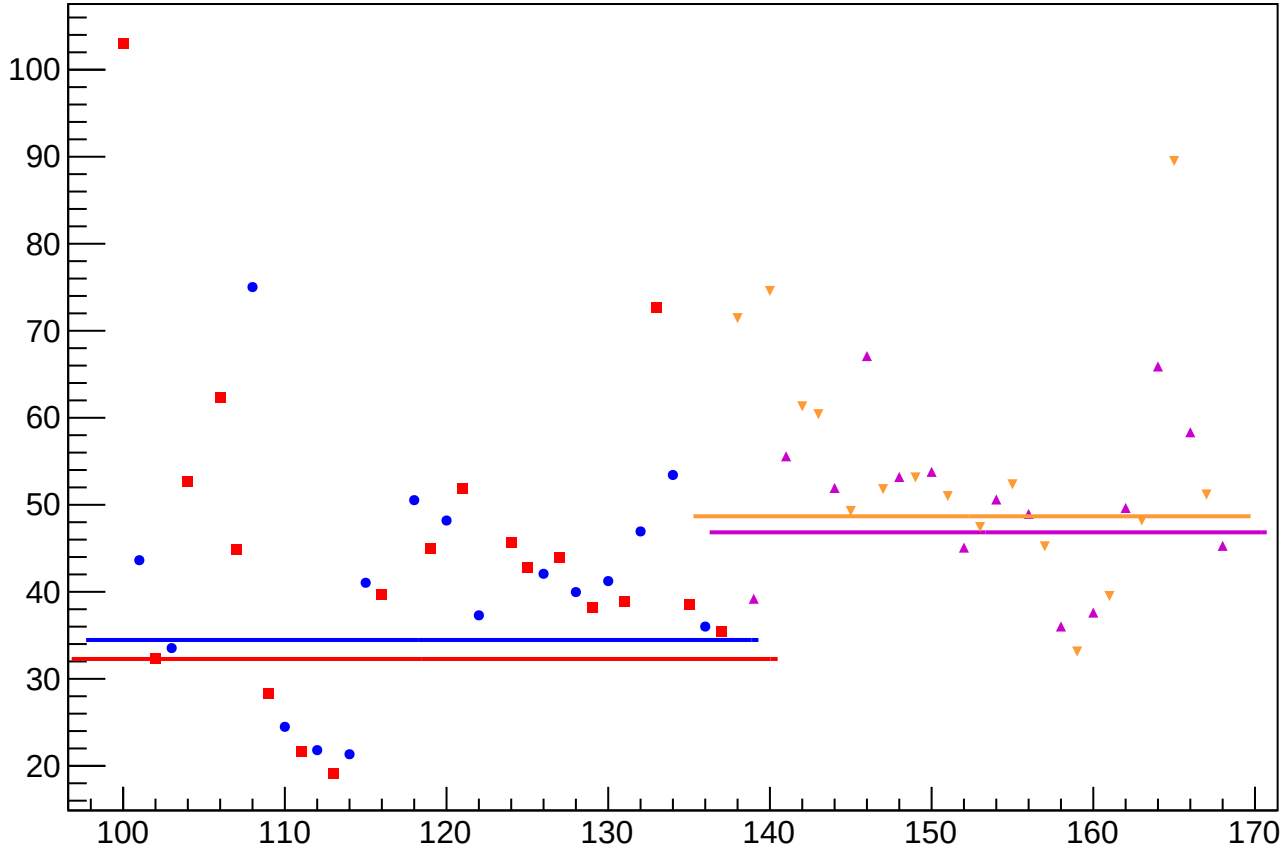
Out: -0.007+/-0.010 χ^2/NDF:42.8/34

All: 0.004+/-0.007 χ^2/NDF: 83.7/65


asym_sam_3748_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
170
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 48.679+/-0.010 χ²/NDF:1143734.6/15
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.838+/-0.010 χ²/NDF:706642.5/14
Left: 47.729+/-0.007 χ²/NDF: 1867129.9/30
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.604+/-0.007 χ²/NDF:2664543.3/30
Out: 39.694+/-0.007 χ²/NDF:4227034.4/34
All: 40.142+/-0.005 χ²/NDF: 6900225.7/65


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.004+/-0.014 χ²/NDF:17.1/14
Left: 0.001+/-0.010 χ²/NDF: 45.0/30
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.016+/-0.010 χ²/NDF:38.1/30
Out: -0.007+/-0.010 χ²/NDF:42.8/34
All: 0.004+/-0.007 χ²/NDF: 83.7/65

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.679+/-0.010 χ^2/NDF:1143734.6/15

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.838+/-0.010 χ^2/NDF:706642.5/14

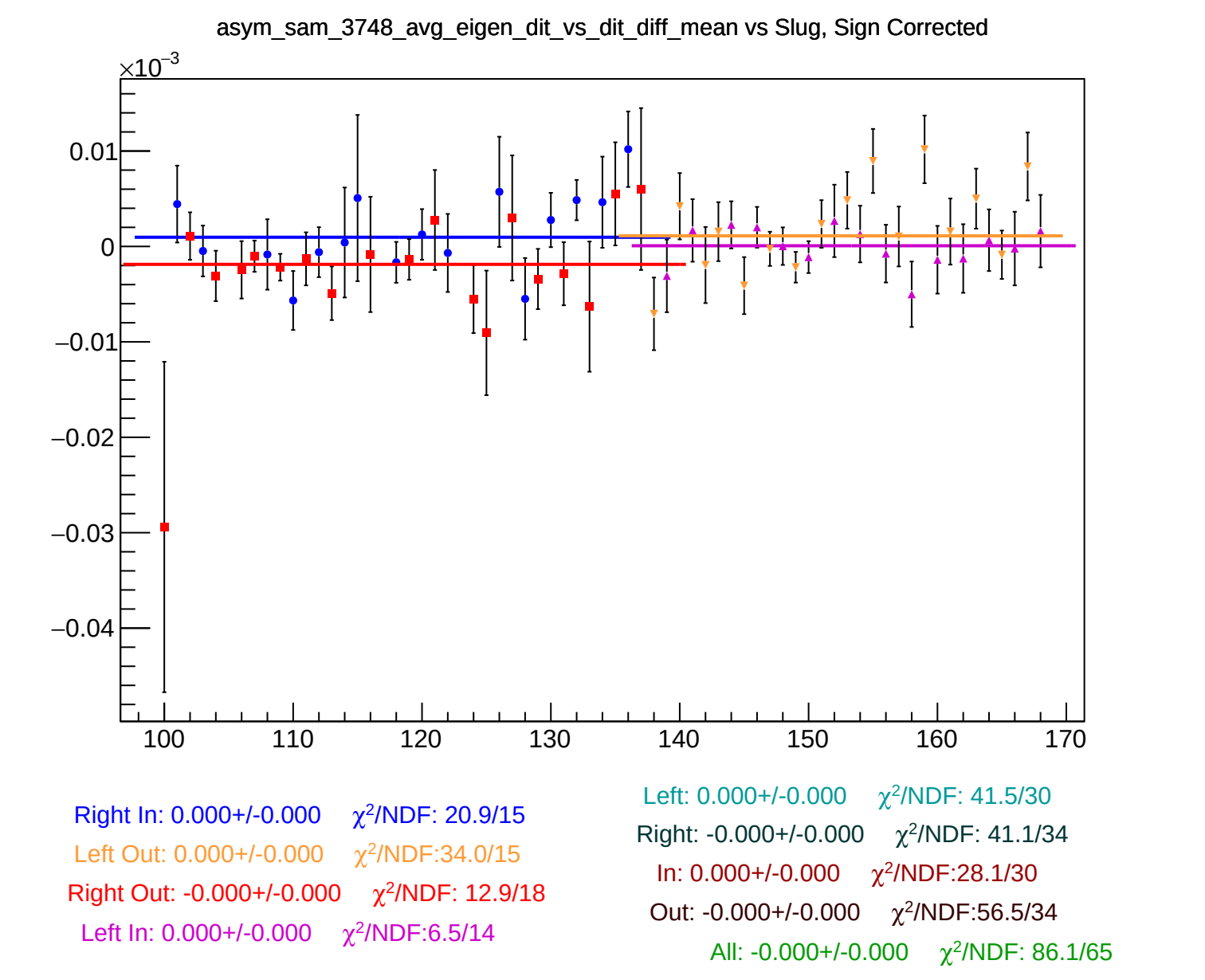
Left: 47.729+/-0.007 χ^2/NDF: 1867129.9/30

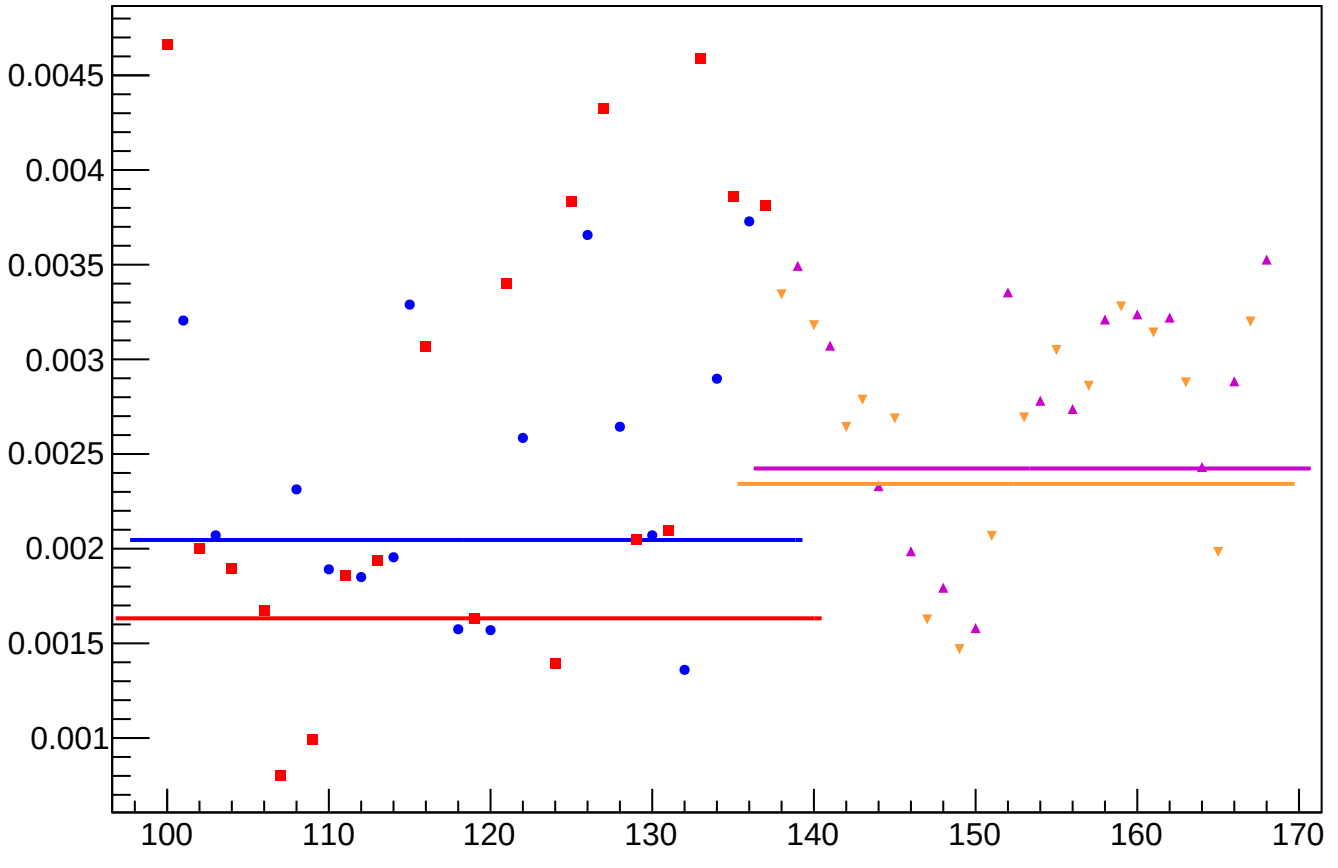
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.604+/-0.007 χ^2/NDF:2664543.3/30

Out: 39.694+/-0.007 χ^2/NDF:4227034.4/34

All: 40.142+/-0.005 χ^2/NDF: 6900225.7/65


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:34.0/15
Right Out: -0.000+/-0.000 χ²/NDF: 12.9/18
Left In: 0.000+/-0.000 χ²/NDF:6.5/14
Left: 0.000+/-0.000 χ²/NDF: 41.5/30
Right: -0.000+/-0.000 χ²/NDF: 41.1/34
In: 0.000+/-0.000 χ²/NDF:28.1/30
Out: -0.000+/-0.000 χ²/NDF:56.5/34
All: -0.000+/-0.000 χ²/NDF: 86.1/65



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1898916.8/15

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1714655.4/14

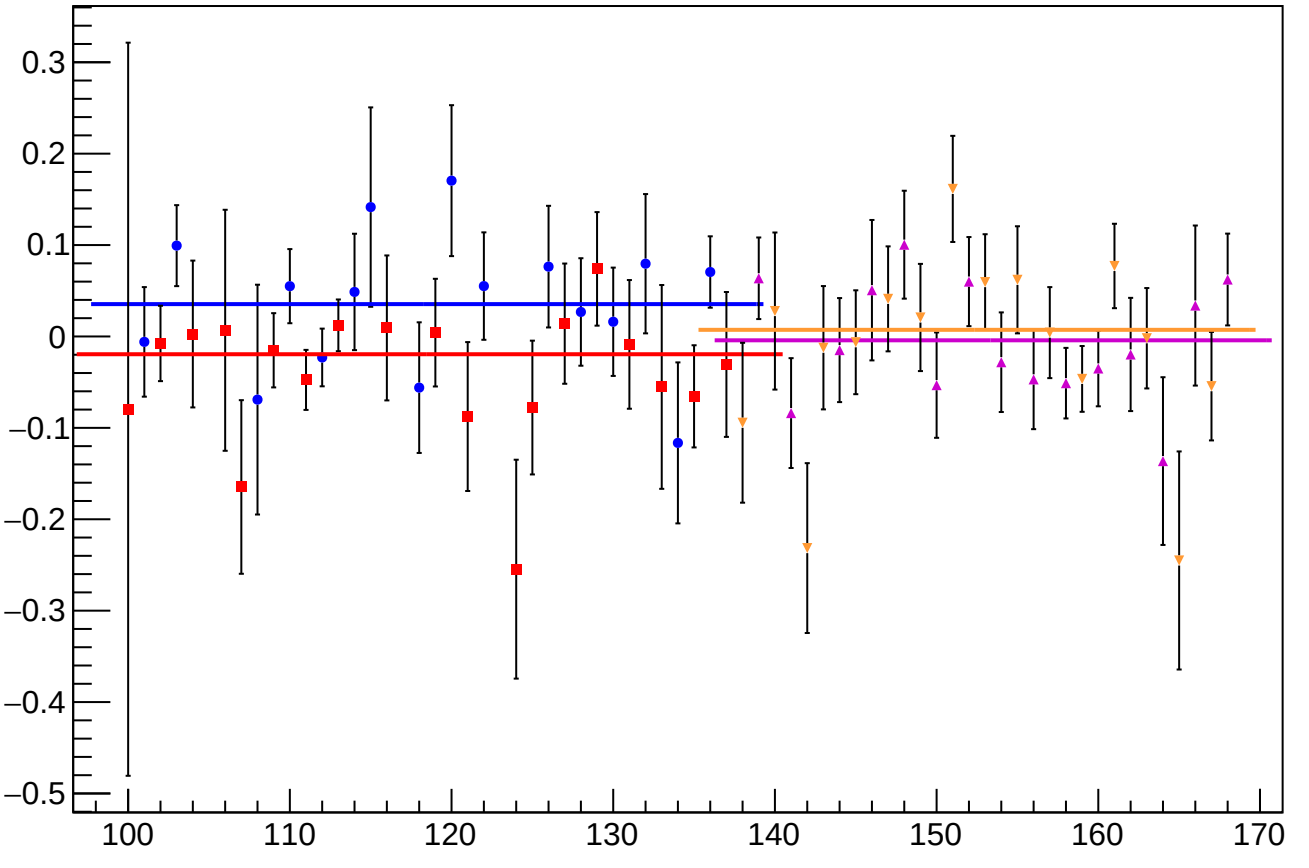
Left: 0.002+/-0.000 χ^2/NDF: 3626814.1/30

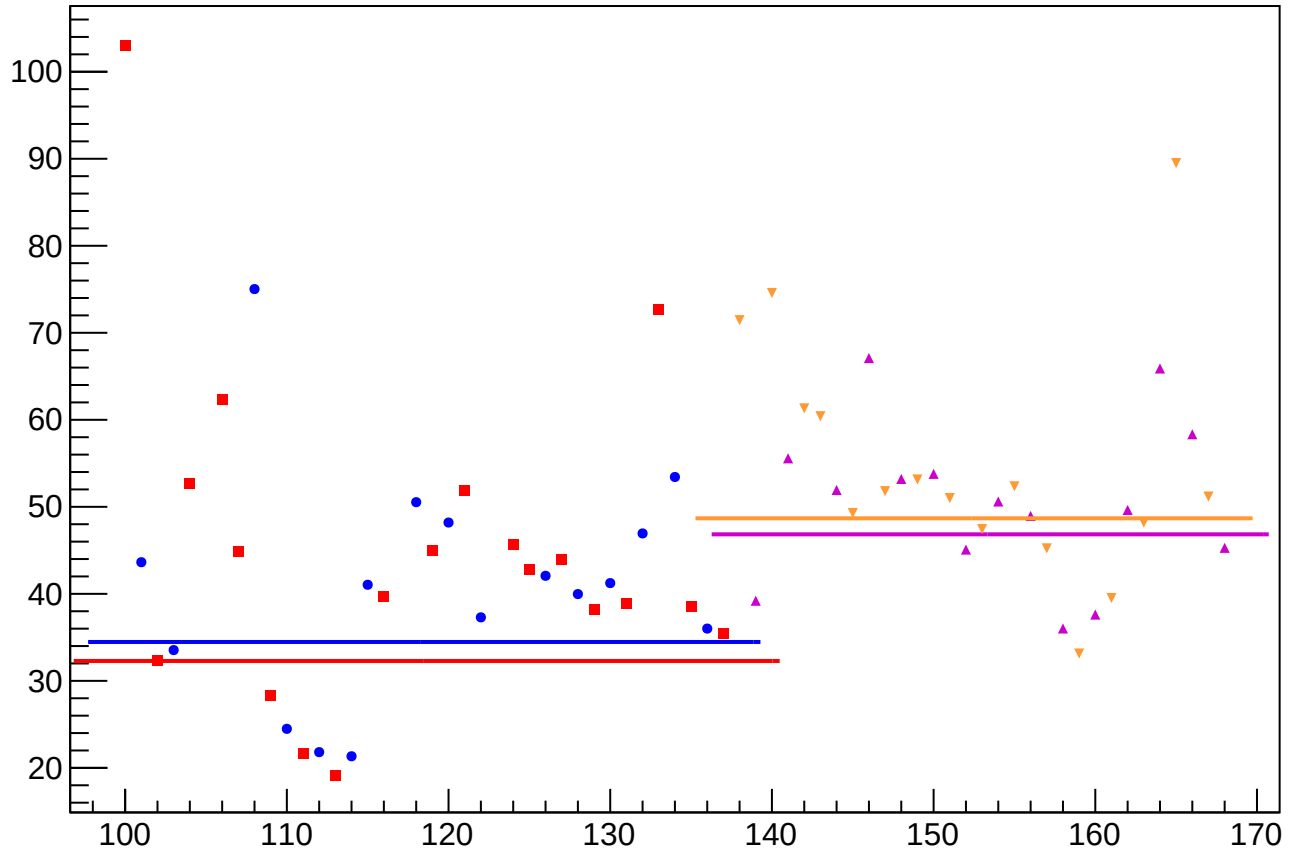
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3218246.1/30

Out: 0.002+/-0.000 χ^2/NDF:5915460.2/34

All: 0.002+/-0.000 χ^2/NDF: 9435204.5/65


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.007+/-0.014 χ²/NDF:27.6/15
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.004+/-0.014 χ²/NDF:17.1/14
Left: 0.001+/-0.010 χ²/NDF: 45.0/30
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.016+/-0.010 χ²/NDF:38.1/30
Out: -0.007+/-0.010 χ²/NDF:42.8/34
All: 0.004+/-0.007 χ²/NDF: 83.7/65



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.680+/-0.010 χ^2/NDF:1143742.3/15

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.838+/-0.010 χ^2/NDF:706679.1/14

Left: 47.730+/-0.007 χ^2/NDF: 1867176.2/30

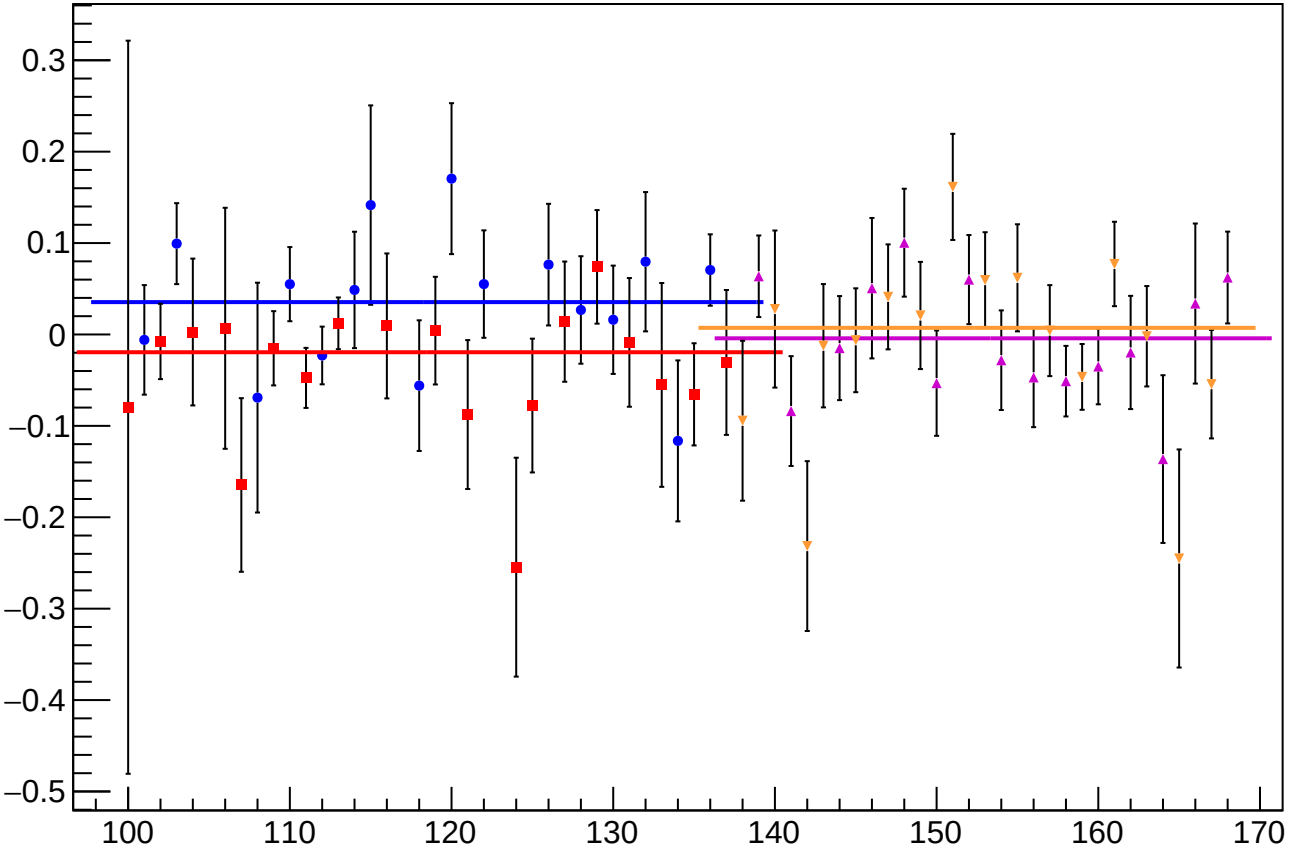
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.605+/-0.007 χ^2/NDF:2664542.1/30

Out: 39.694+/-0.007 χ^2/NDF:4227027.0/34

All: 40.143+/-0.005 χ^2/NDF: 6900215.8/65

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: 0.007+/-0.014 χ^2/NDF:27.6/15

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.014 χ^2/NDF:17.1/14

Left: 0.001+/-0.010 χ^2/NDF: 45.0/30

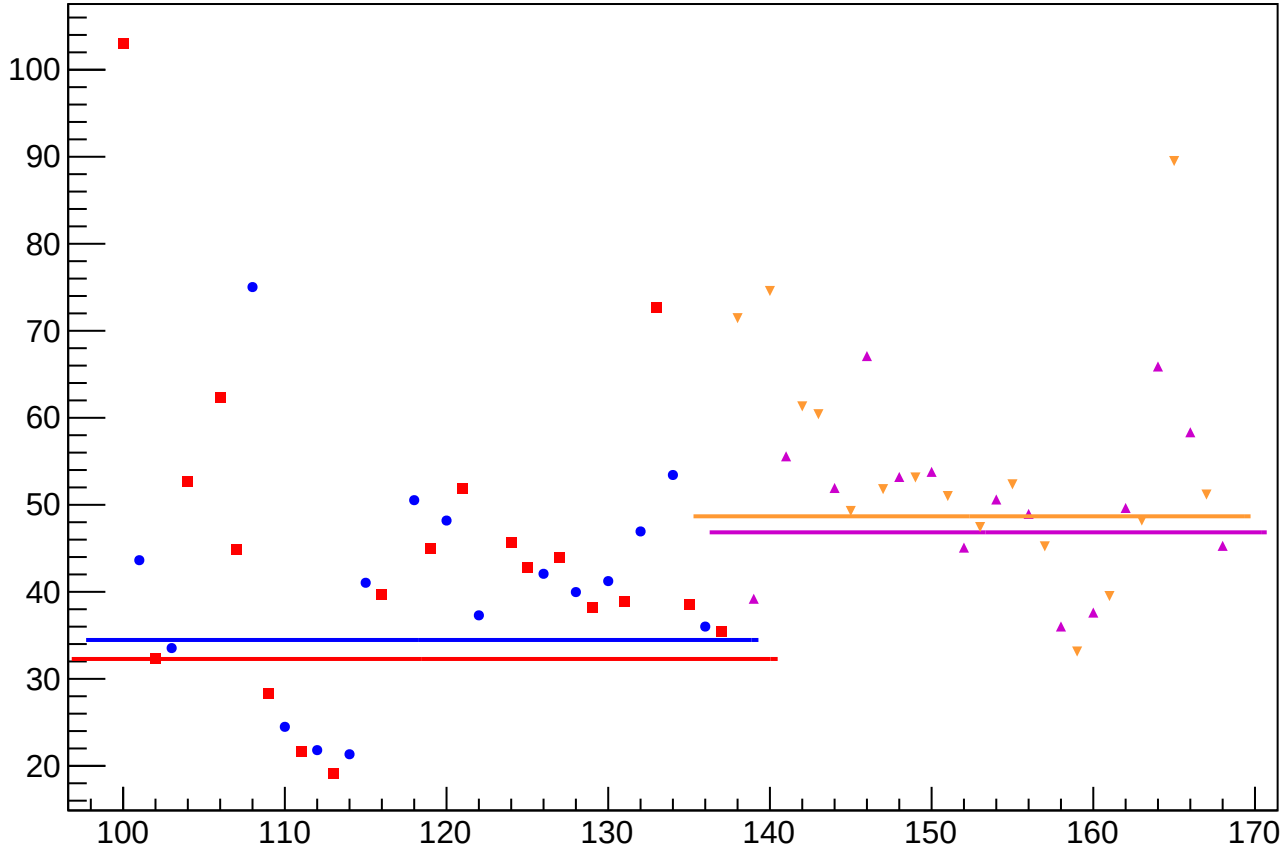
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:38.1/30

Out: -0.007+/-0.010 χ^2/NDF:42.8/34

All: 0.004+/-0.007 χ^2/NDF: 83.7/65

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.680+/-0.010 χ^2/NDF:1143742.3/15

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.838+/-0.010 χ^2/NDF:706679.1/14

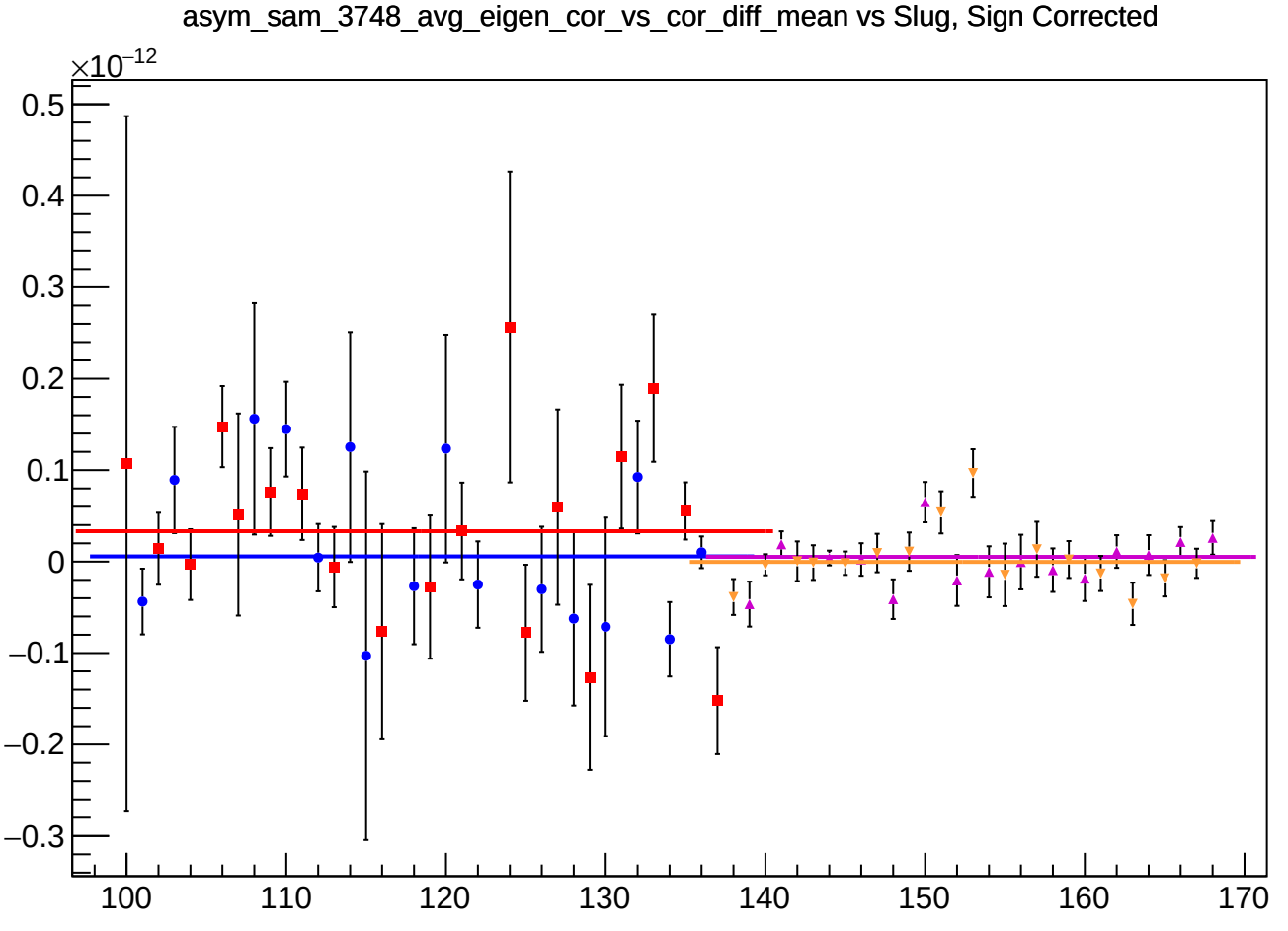
Left: 47.730+/-0.007 χ^2/NDF: 1867176.2/30

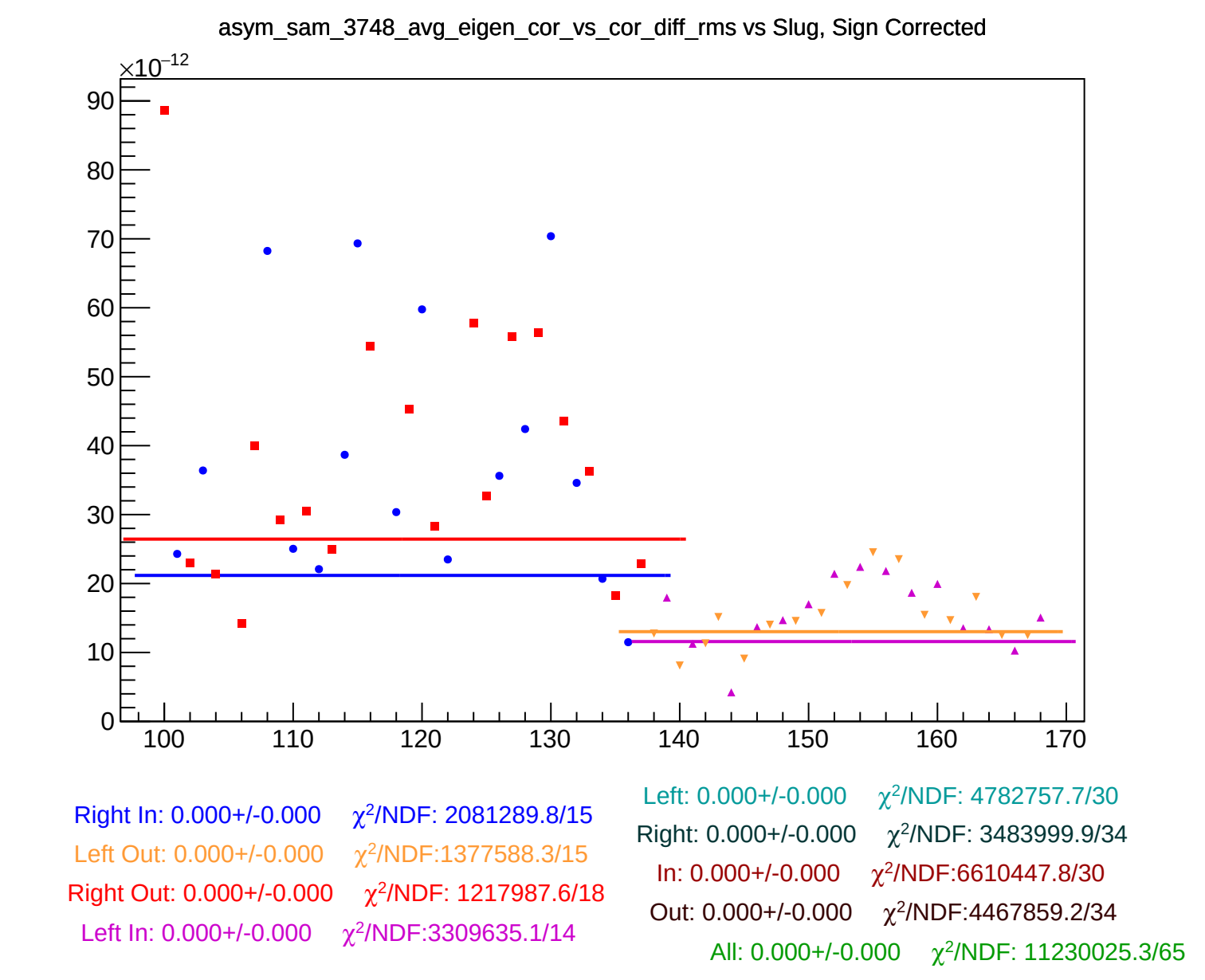
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

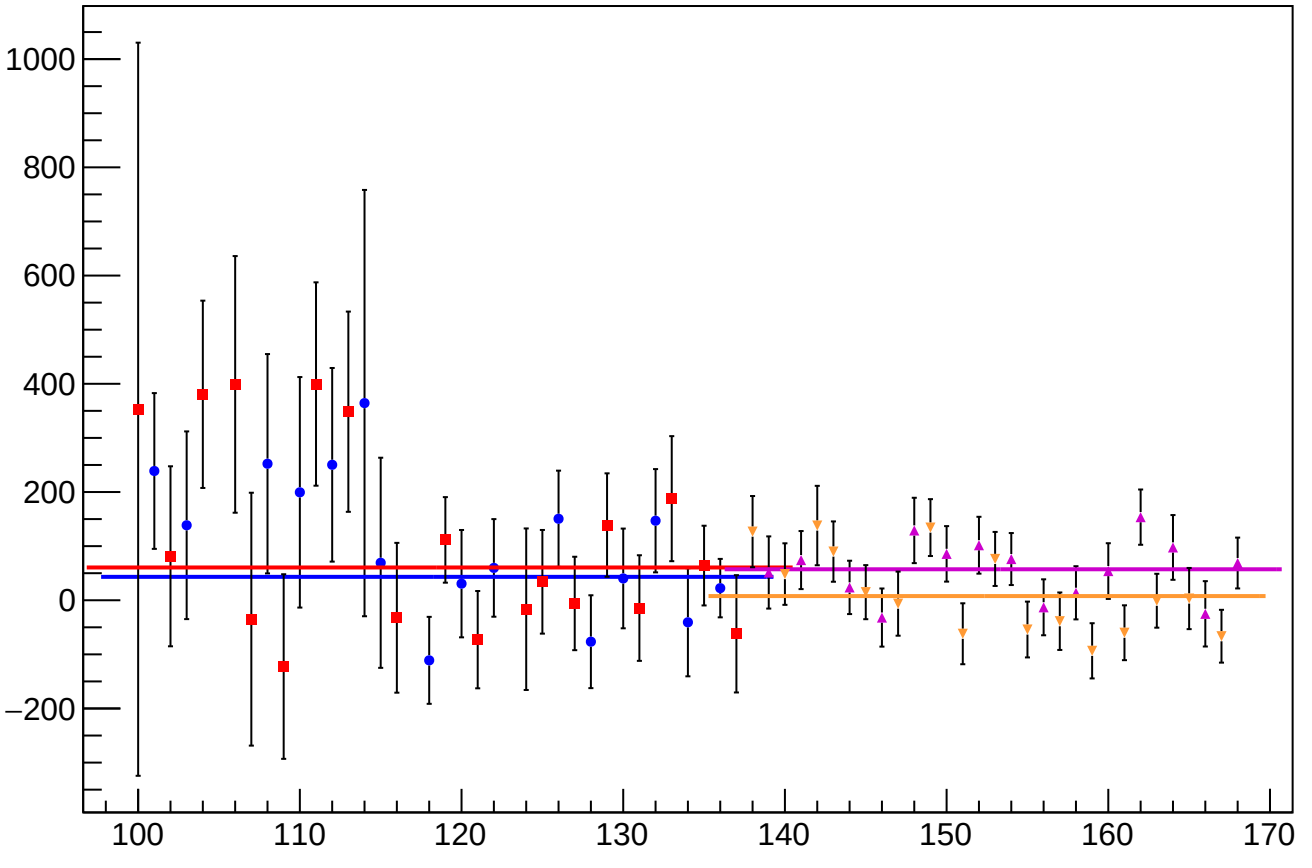
In: 40.605+/-0.007 χ^2/NDF:2664542.1/30

Out: 39.694+/-0.007 χ^2/NDF:4227027.0/34

All: 40.143+/-0.005 χ^2/NDF: 6900215.8/65


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:29.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:22.3/14
Left: 0.000+/-0.000 χ²/NDF: 52.5/30
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:45.9/30
Out: 0.000+/-0.000 χ²/NDF:68.9/34
All: 0.000+/-0.000 χ²/NDF: 114.8/65


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1377588.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3309635.1/14
Left: 0.000+/-0.000 χ²/NDF: 4782757.7/30
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6610447.8/30
Out: 0.000+/-0.000 χ²/NDF:4467859.2/34
All: 0.000+/-0.000 χ²/NDF: 11230025.3/65



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.726+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 57.246+/-13.689 χ^2/NDF:14.5/14

Left: 32.220+/-9.627 χ^2/NDF: 49.8/30

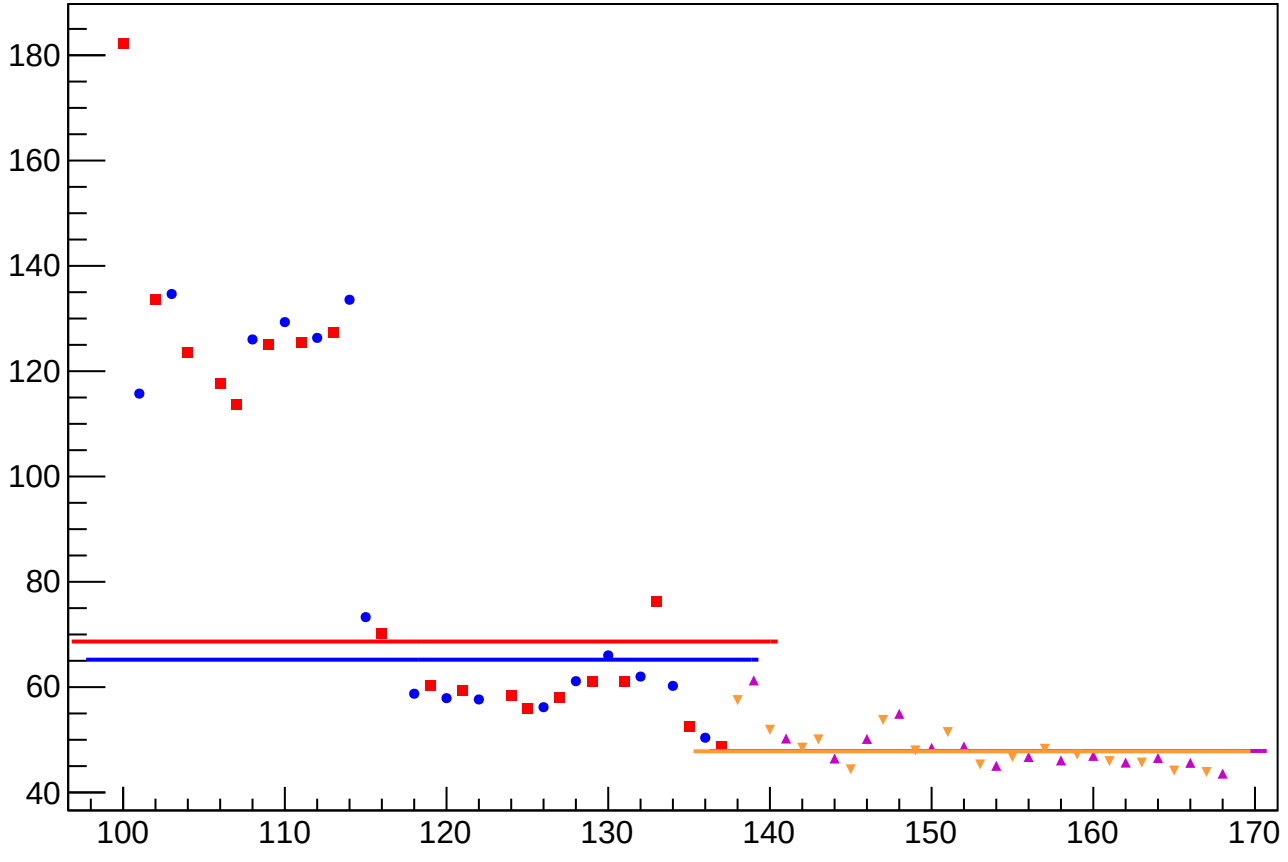
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 54.167+/-12.090 χ^2/NDF:29.7/30

Out: 18.417+/-12.096 χ^2/NDF:52.2/34

All: 36.300+/-8.551 χ^2/NDF: 86.2/65

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

Left: 47.843+/-0.007 χ^2/NDF: 283201.8/30

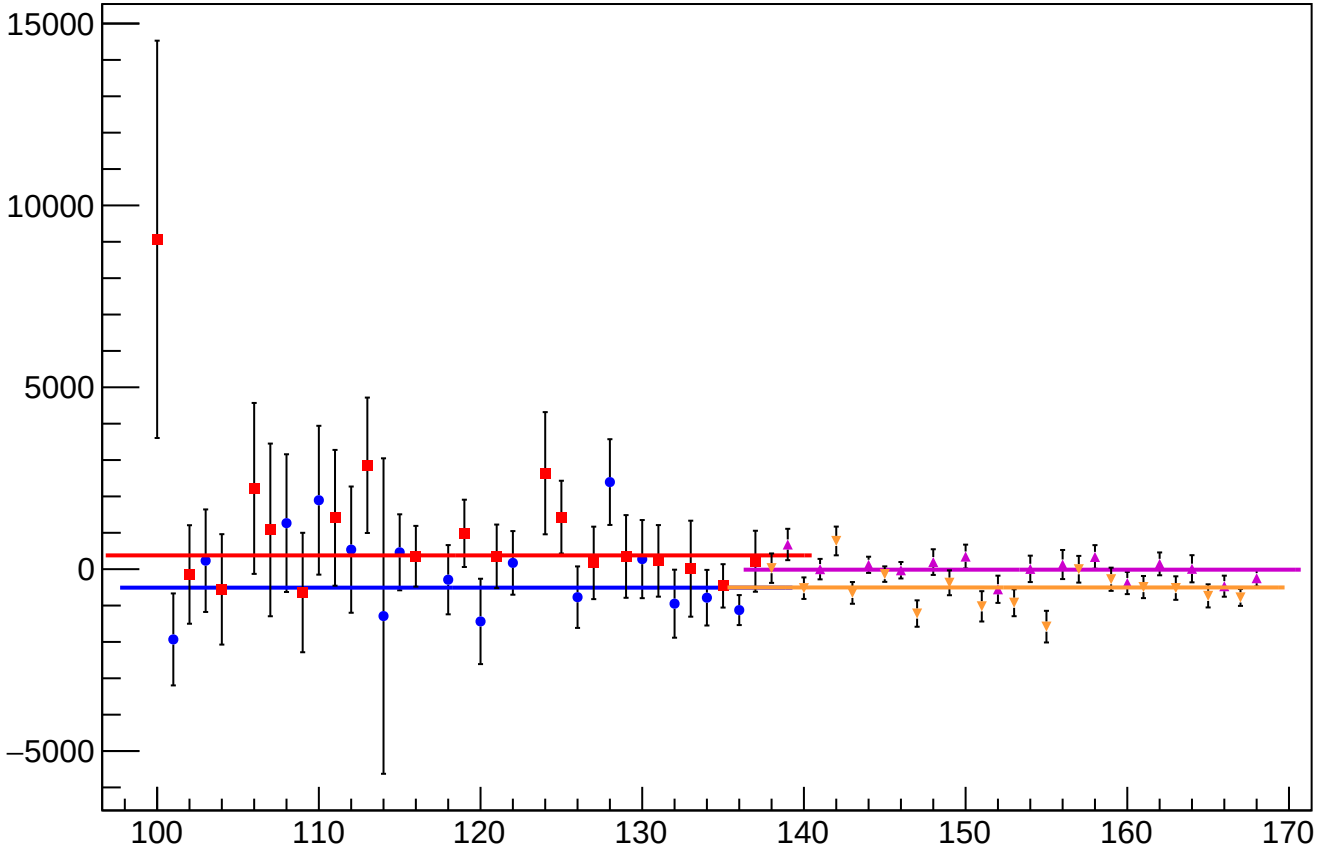
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 51.690+/-0.009 χ^2/NDF:2305457.6/30

Out: 52.027+/-0.009 χ^2/NDF:2729080.2/34

All: 51.858+/-0.006 χ^2/NDF: 5035315.3/65

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.520+/-79.624 χ^2/NDF:32.7/15

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -13.936+/-78.051 χ^2/NDF:13.1/14

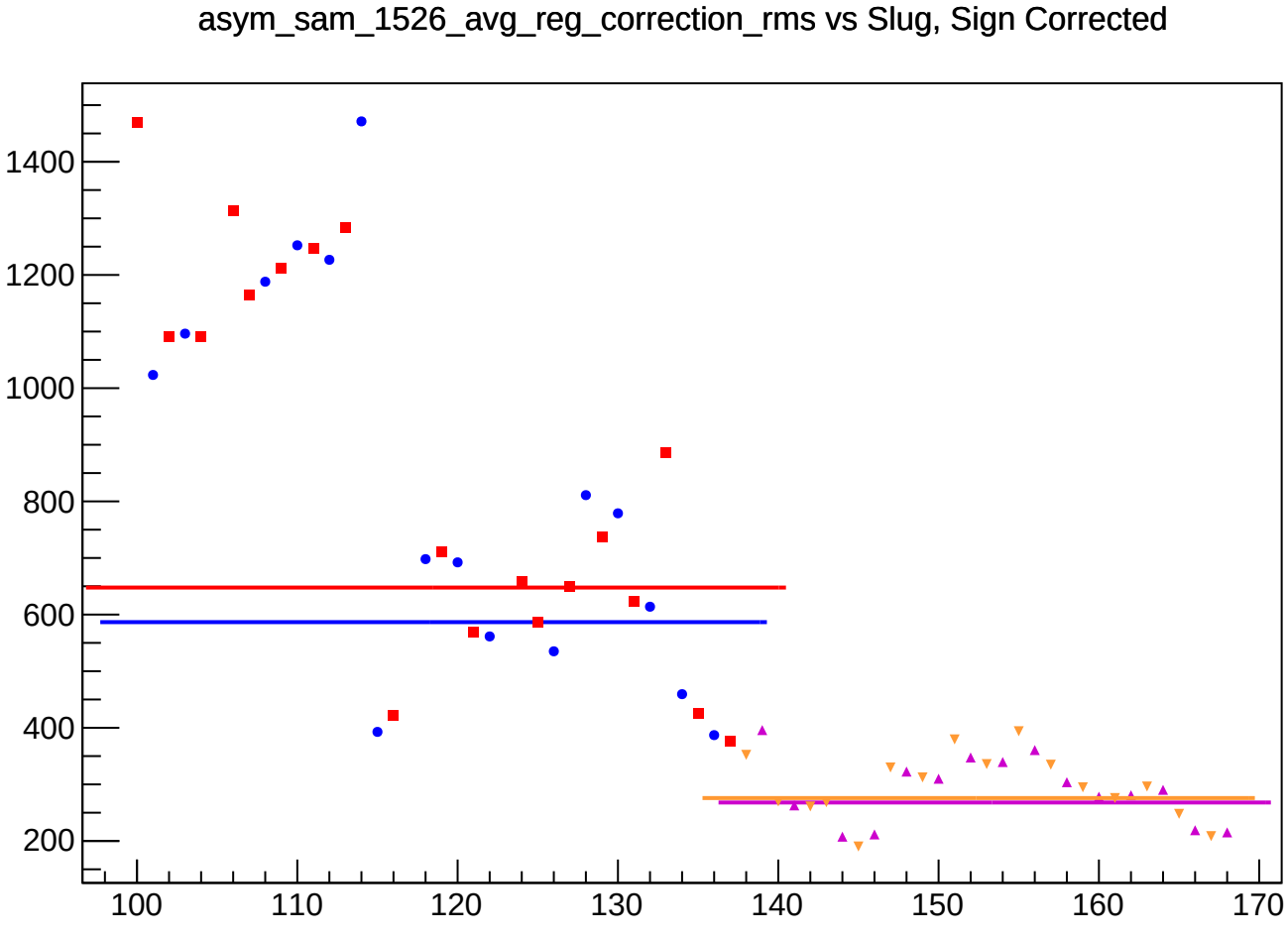
Left: -253.352+/-55.738 χ^2/NDF: 65.0/30

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -62.291+/-74.132 χ^2/NDF:32.6/30

Out: -424.998+/-76.042 χ^2/NDF:55.2/34

All: -239.032+/-53.082 χ^2/NDF: 99.5/65



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039639.5/15

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 268.024+/-0.055 χ^2/NDF:1001930.3/14

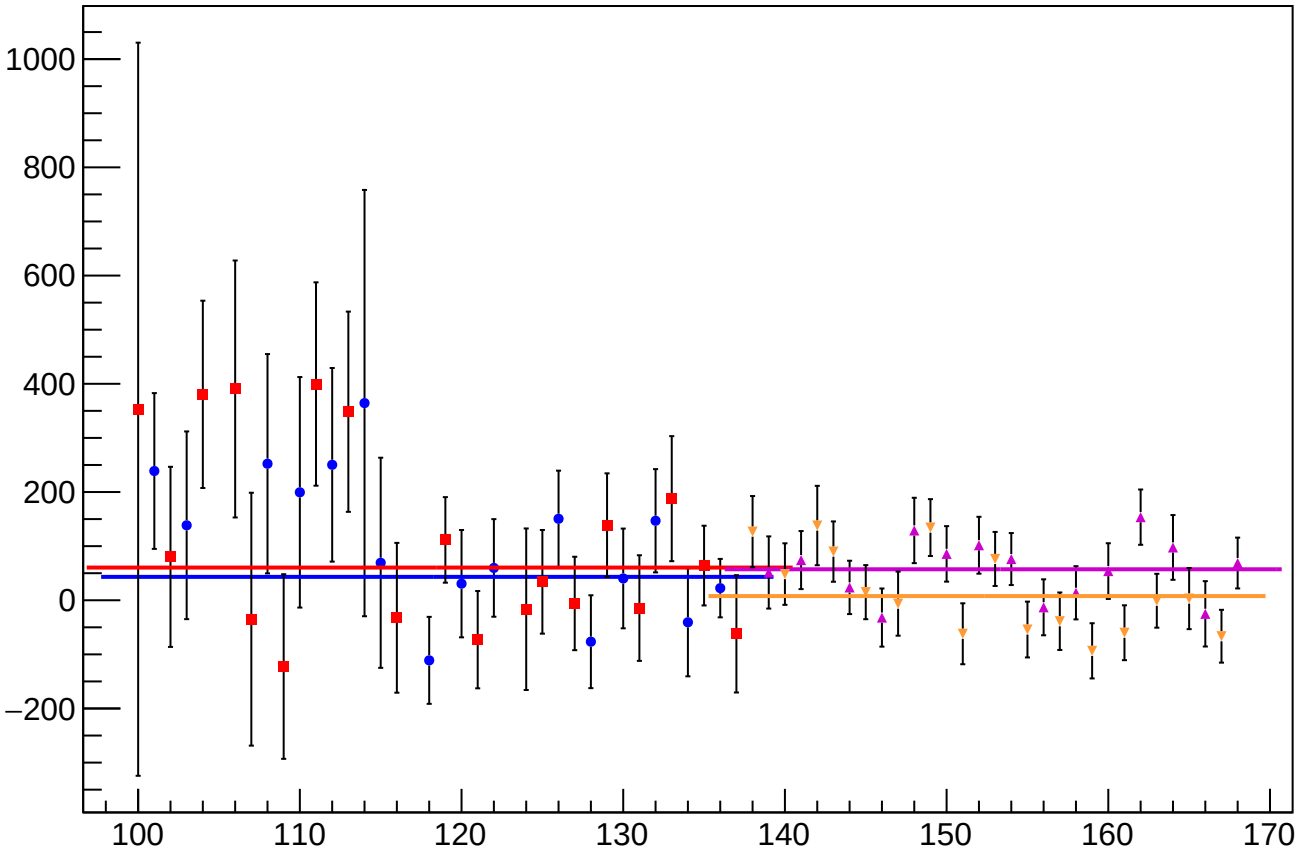
Left: 271.875+/-0.039 χ^2/NDF: 2051504.6/30

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 299.213+/-0.052 χ^2/NDF:6317527.1/30

Out: 308.588+/-0.054 χ^2/NDF:6981734.5/34

All: 303.781+/-0.038 χ^2/NDF: 13314849.3/65



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 57.245+/-13.689 χ^2/NDF:14.5/14

Left: 32.220+/-9.627 χ^2/NDF: 49.8/30

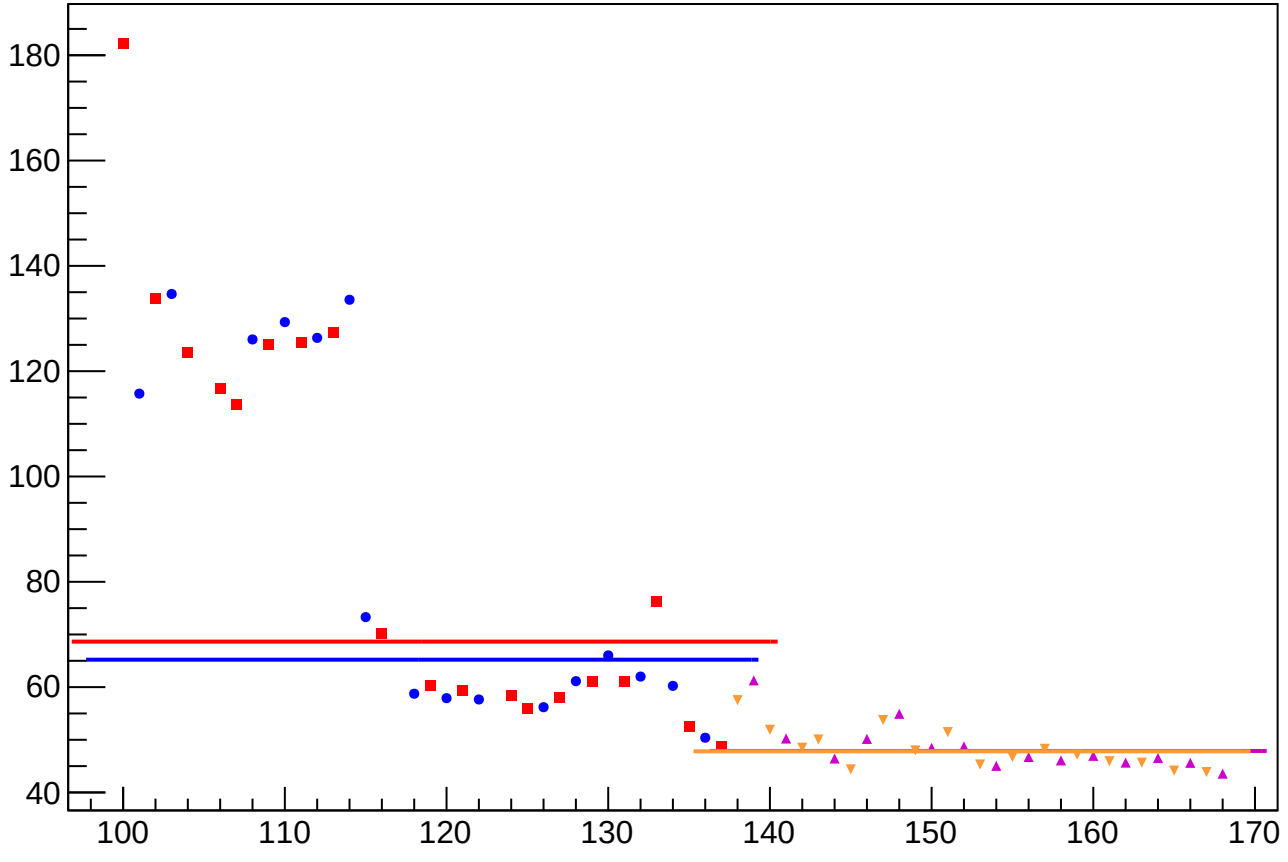
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 54.165+/-12.090 χ^2/NDF:29.7/30

Out: 18.388+/-12.096 χ^2/NDF:52.1/34

All: 36.284+/-8.551 χ^2/NDF: 86.1/65

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

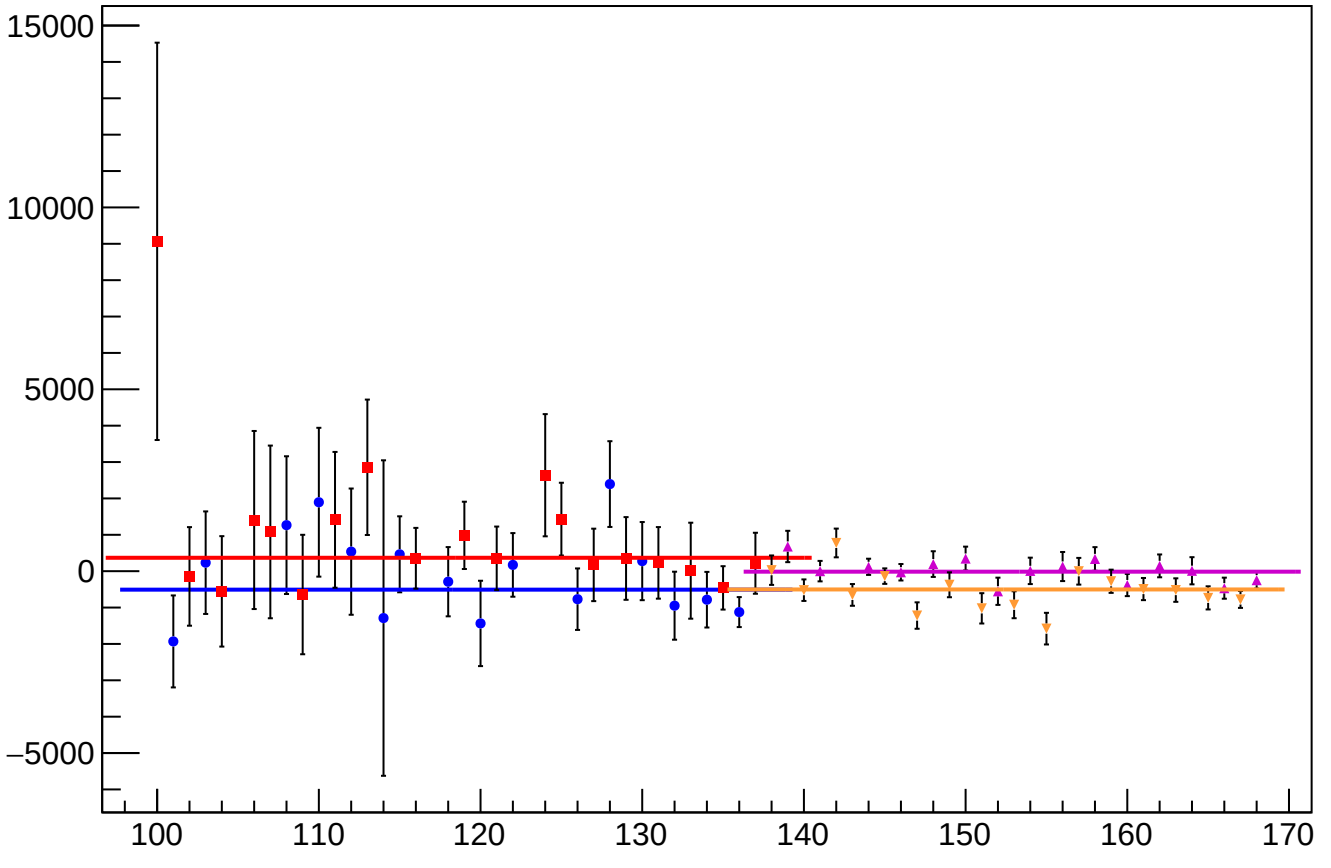
Left: 47.843+/-0.007 χ^2/NDF: 283201.8/30

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.690+/-0.009 χ^2/NDF:2305459.7/30

Out: 52.024+/-0.009 χ^2/NDF:2724368.2/34

All: 51.857+/-0.006 χ^2/NDF: 5030591.1/65



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -502.515+/-79.624 χ^2/NDF:32.7/15

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -13.937+/-78.051 χ^2/NDF:13.1/14

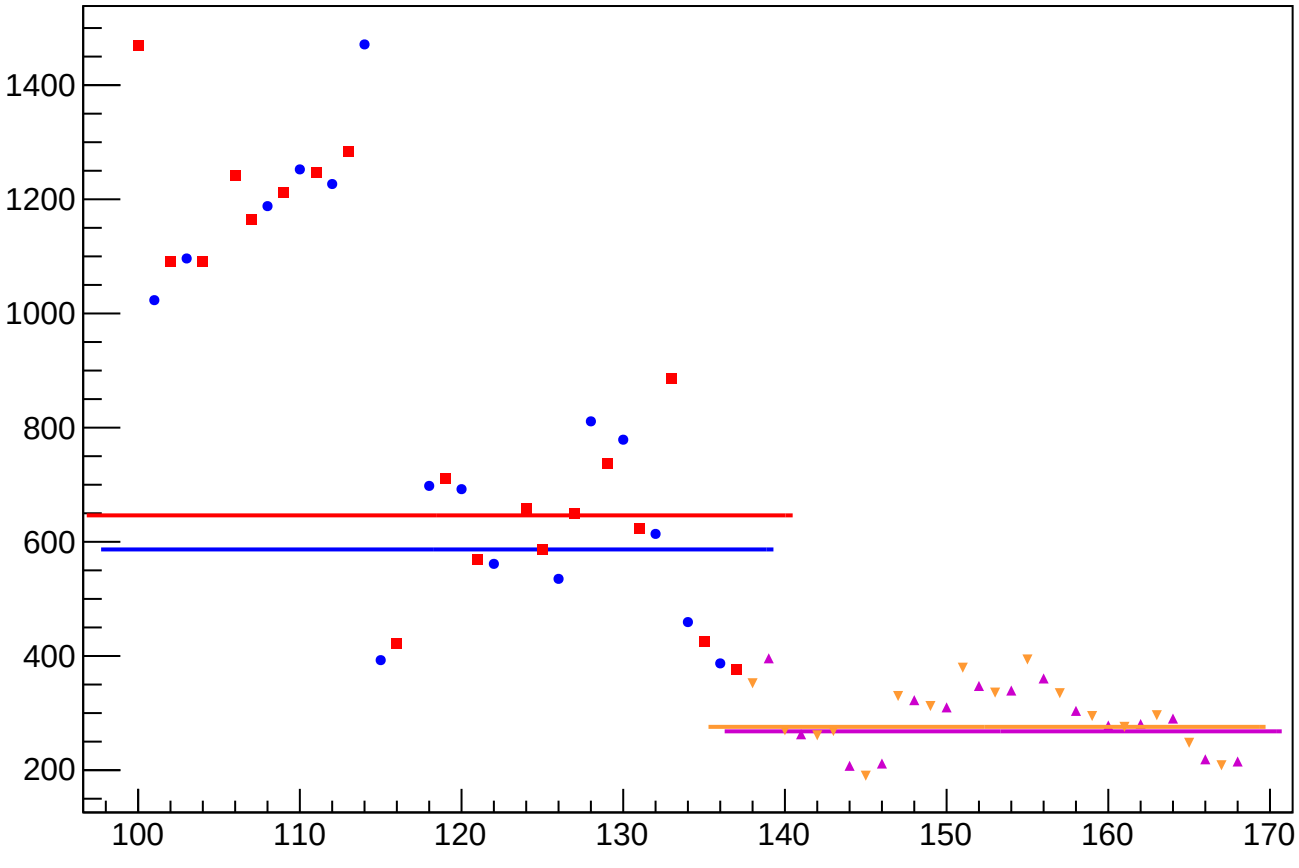
Left: -253.350+/-55.738 χ^2/NDF: 65.0/30

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -62.290+/-74.132 χ^2/NDF:32.6/30

Out: -425.991+/-76.046 χ^2/NDF:54.5/34

All: -239.507+/-53.083 χ^2/NDF: 98.9/65



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 268.024+/-0.055 χ^2/NDF:1001927.8/14

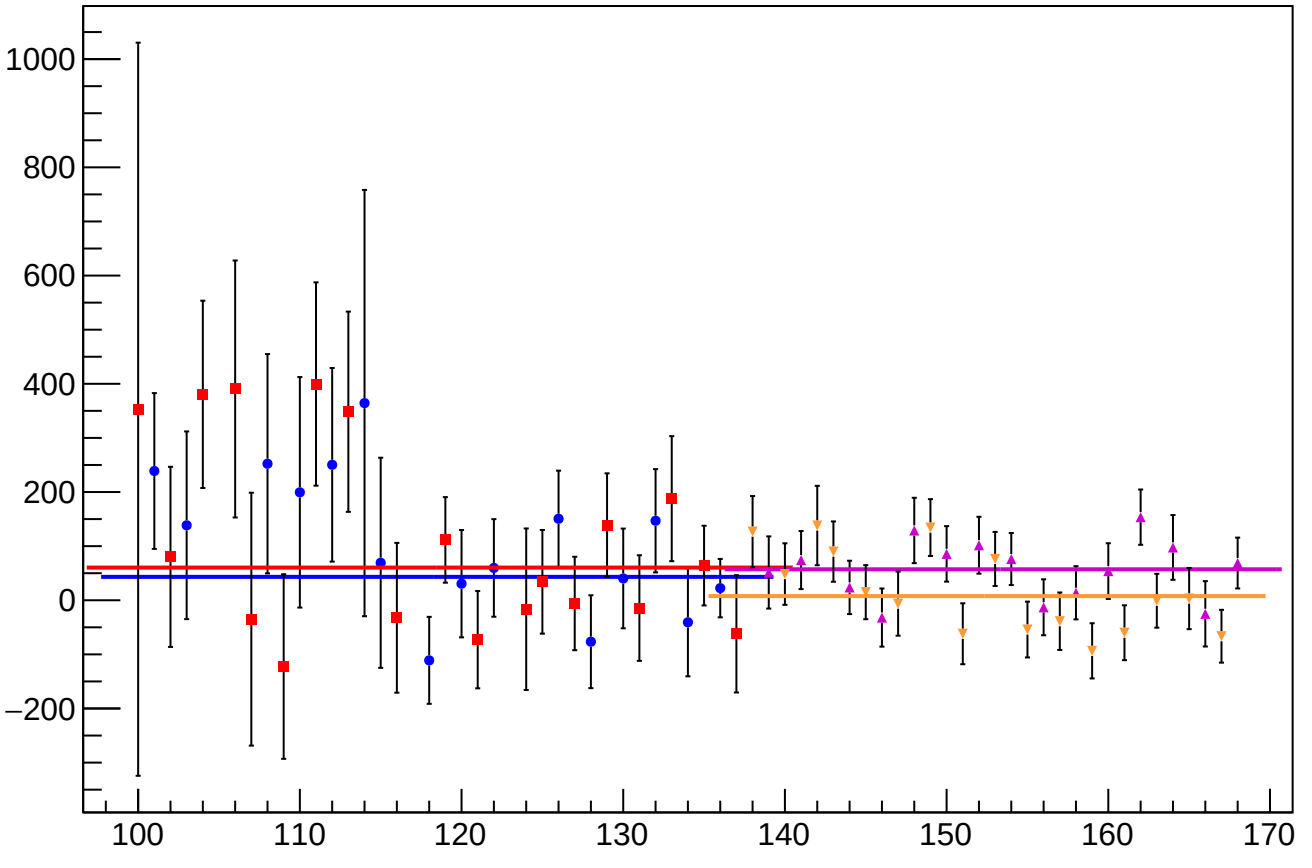
Left: 271.875+/-0.039 χ^2/NDF: 2051508.2/30

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 299.213+/-0.052 χ^2/NDF:6317546.5/30

Out: 308.435+/-0.054 χ^2/NDF:6906857.8/34

All: 303.706+/-0.038 χ^2/NDF: 13239485.6/65



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.728+/-13.543 χ^2/NDF:28.7/15

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 57.245+/-13.689 χ^2/NDF:14.5/14

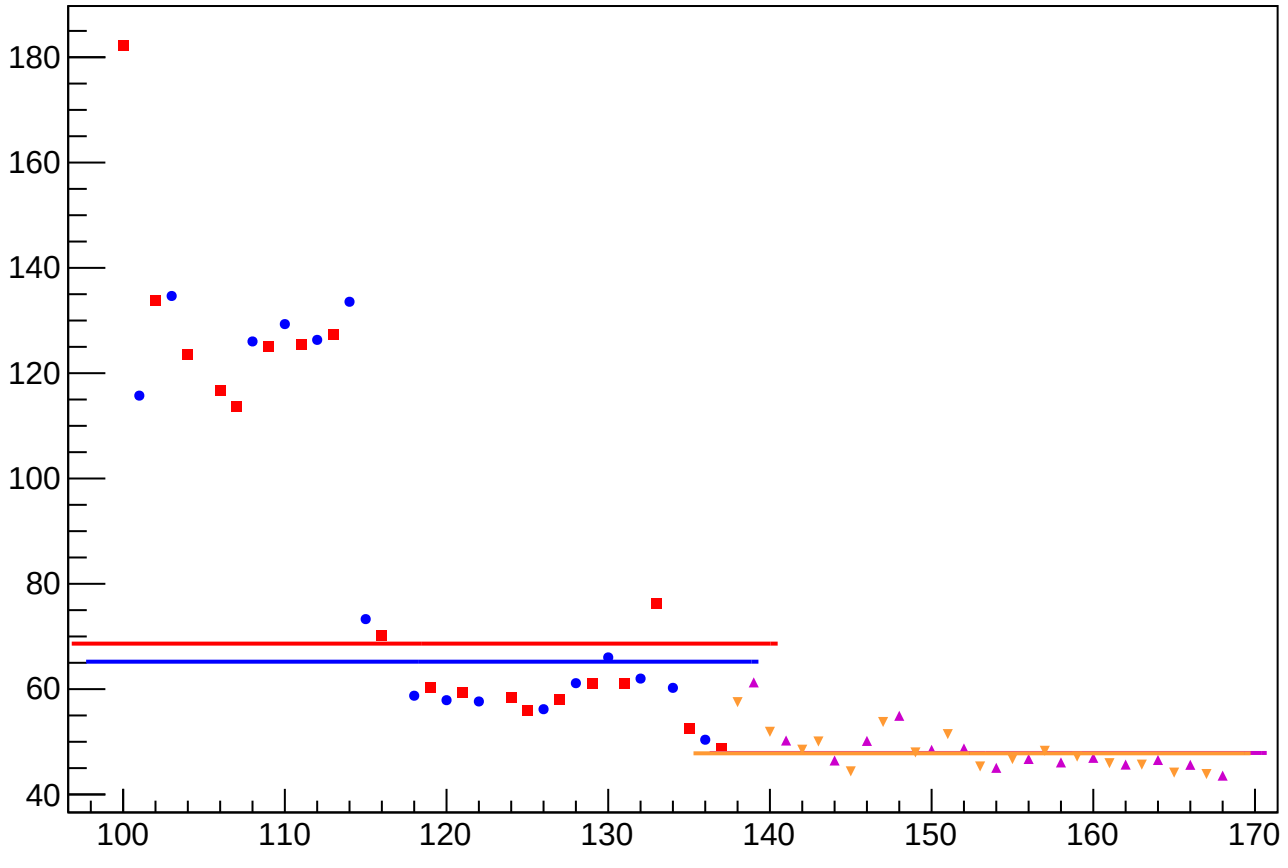
Left: 32.220+/-9.627 χ^2/NDF: 49.8/30

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 54.165+/-12.090 χ^2/NDF:29.7/30

Out: 18.388+/-12.096 χ^2/NDF:52.1/34

All: 36.284+/-8.551 χ^2/NDF: 86.1/65



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.810+/-0.010 χ^2/NDF:129640.4/15

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.877+/-0.010 χ^2/NDF:153537.4/14

Left: 47.843+/-0.007 χ^2/NDF: 283201.8/30

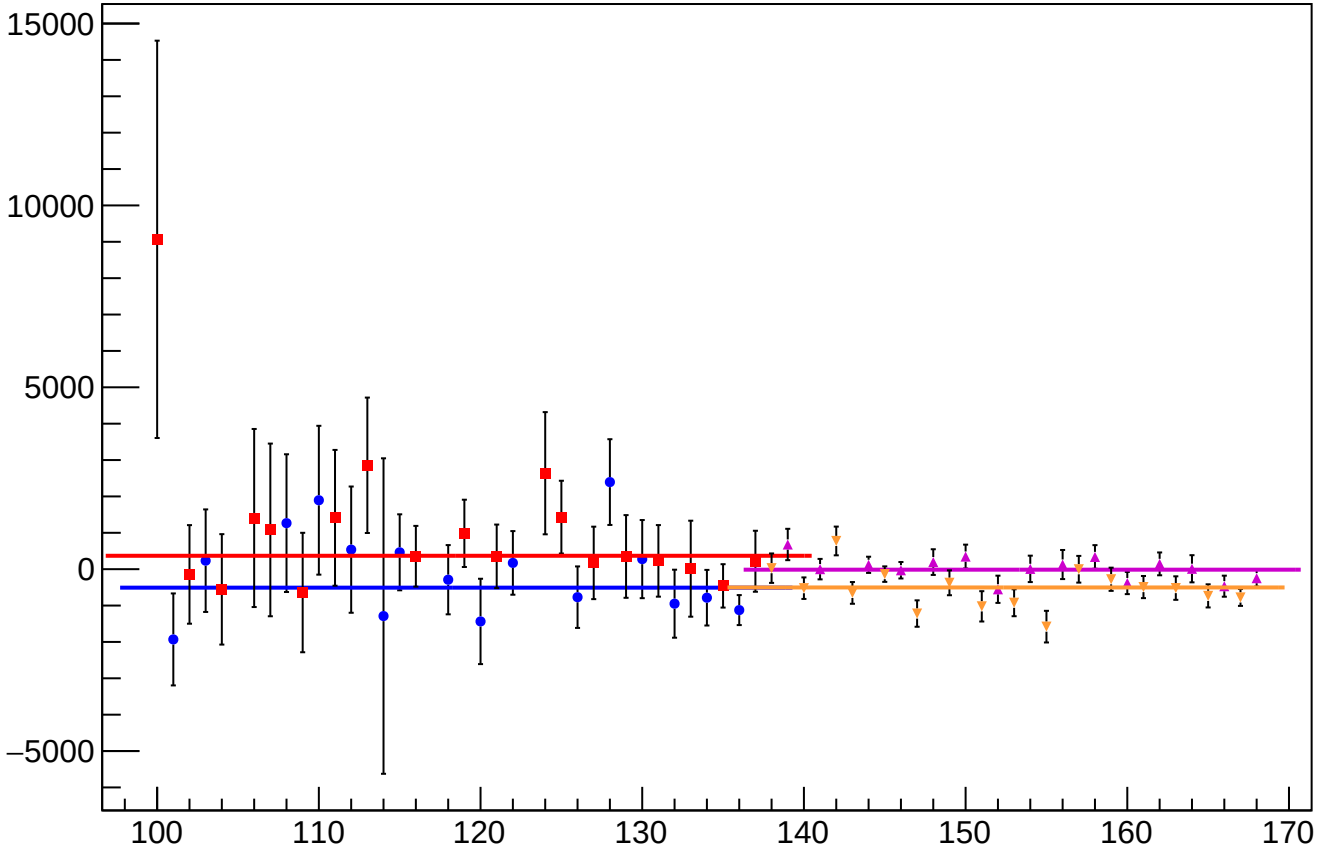
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.690+/-0.009 χ^2/NDF:2305459.7/30

Out: 52.024+/-0.009 χ^2/NDF:2724368.2/34

All: 51.857+/-0.006 χ^2/NDF: 5030591.1/65

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: -502.515+/-79.624 χ^2/NDF:32.7/15

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -13.937+/-78.051 χ^2/NDF:13.1/14

Left: -253.350+/-55.738 χ^2/NDF: 65.0/30

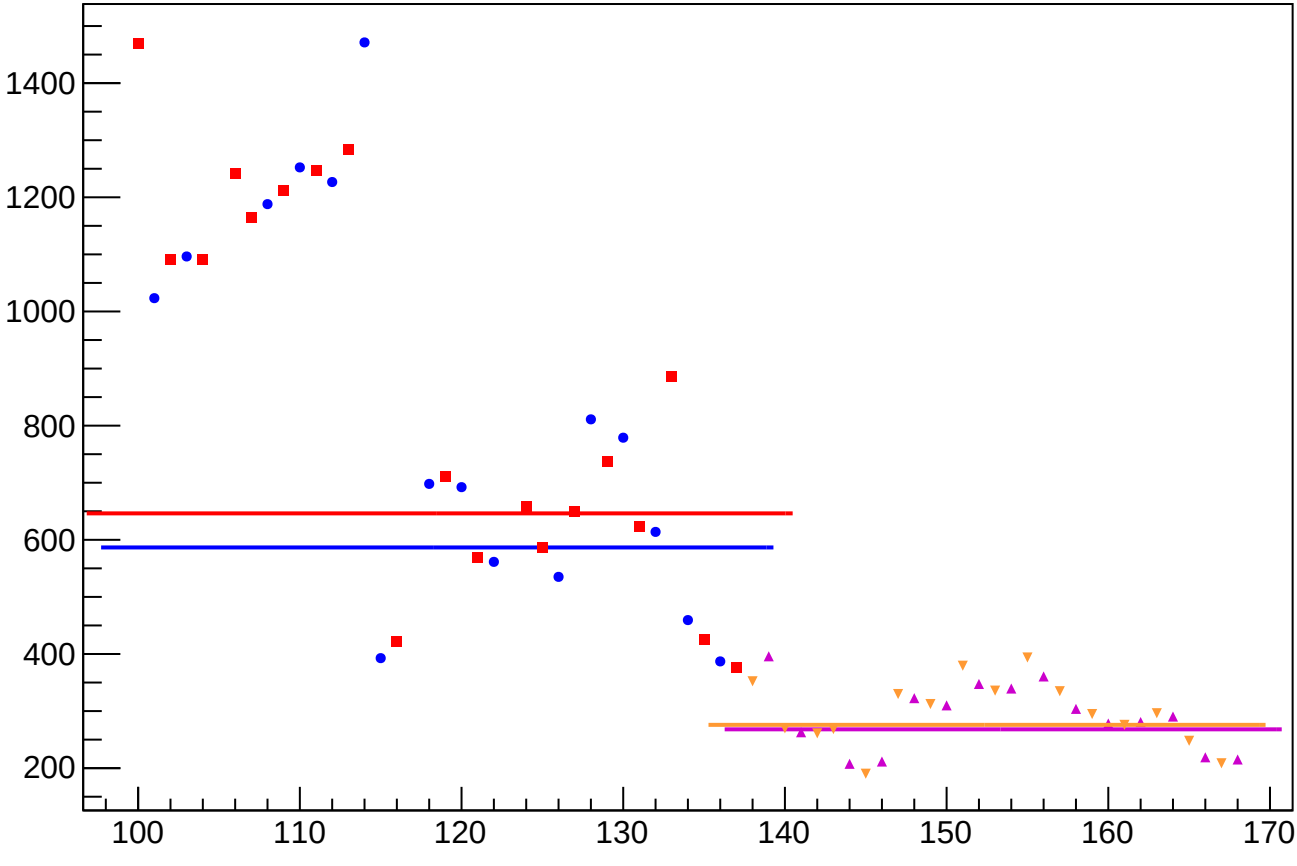
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -62.290+/-74.132 χ^2/NDF:32.6/30

Out: -425.991+/-76.046 χ^2/NDF:54.5/34

All: -239.507+/-53.083 χ^2/NDF: 98.9/65

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: 275.883+/-0.056 χ^2/NDF:1039646.2/15

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 268.024+/-0.055 χ^2/NDF:1001927.8/14

Left: 271.875+/-0.039 χ^2/NDF: 2051508.2/30

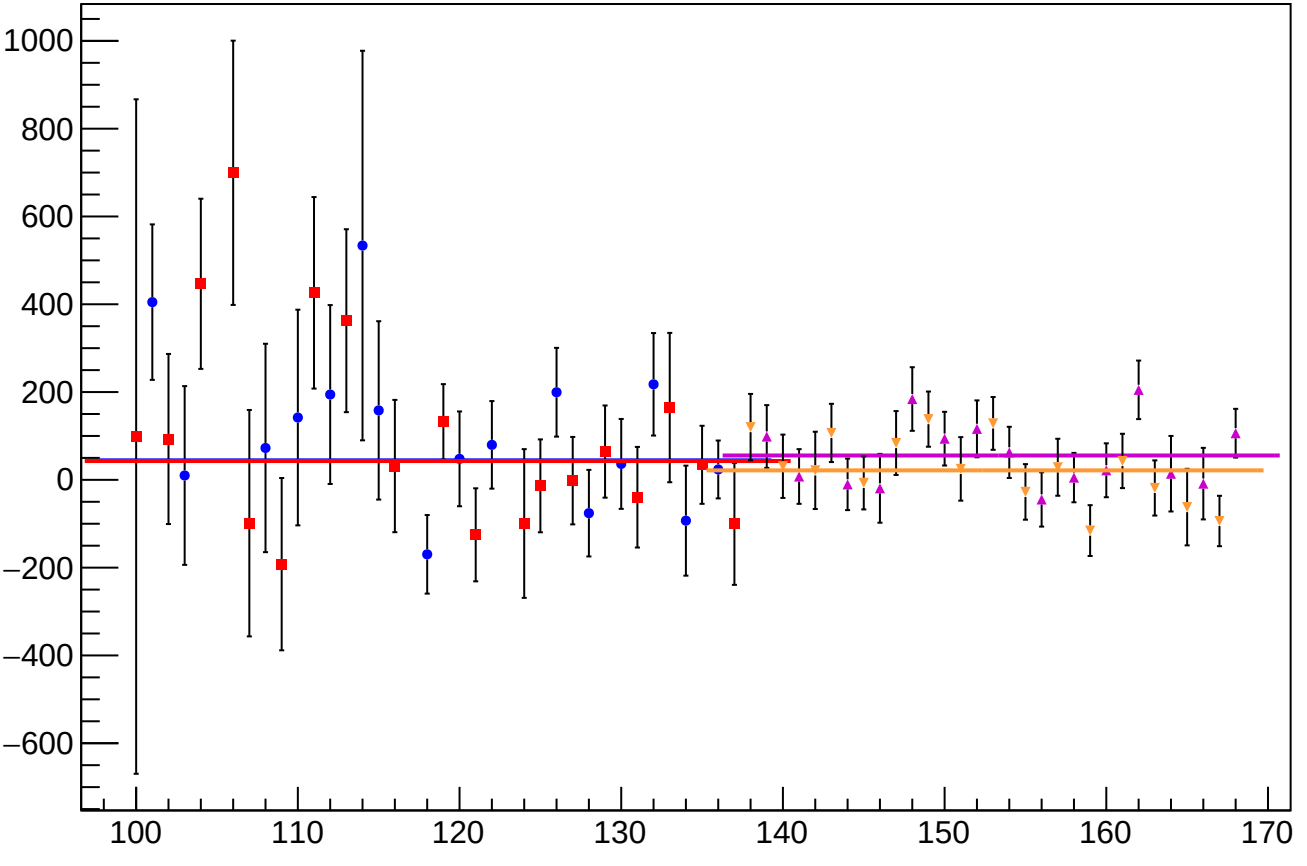
Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 299.213+/-0.052 χ^2/NDF:6317546.5/30

Out: 308.435+/-0.054 χ^2/NDF:6906857.8/34

All: 303.706+/-0.038 χ^2/NDF: 13239485.6/65

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 21.631+/-16.573 χ^2/NDF:22.6/15

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.502+/-16.726 χ^2/NDF:18.0/14

Left: 38.410+/-11.773 χ^2/NDF: 42.7/30

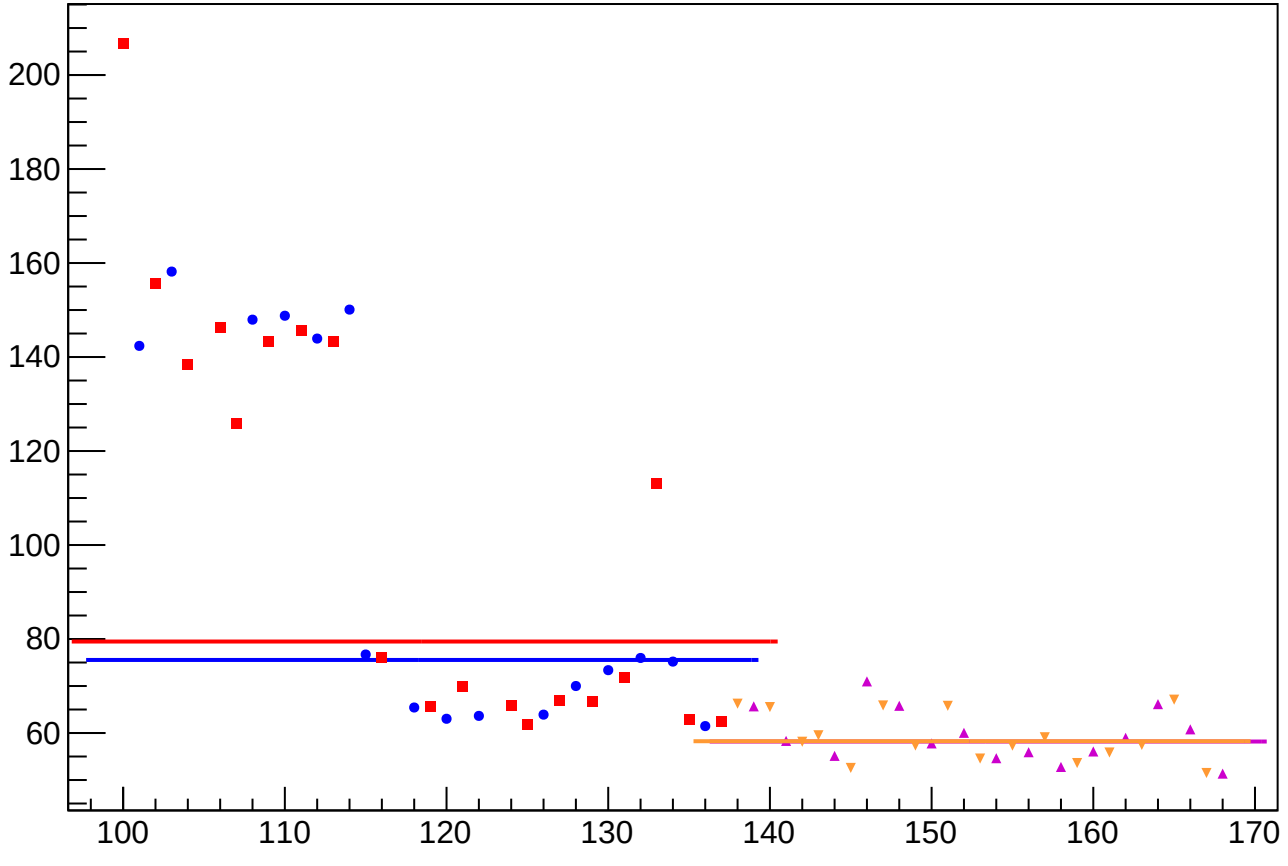
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.854+/-14.598 χ^2/NDF:37.7/30

Out: 26.301+/-14.641 χ^2/NDF:46.3/34

All: 39.616+/-10.338 χ^2/NDF: 85.7/65

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.252+/-0.012 χ^2/NDF:177738.4/15

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.188+/-0.012 χ^2/NDF:184978.6/14

Left: 58.221+/-0.008 χ^2/NDF: 362731.7/30

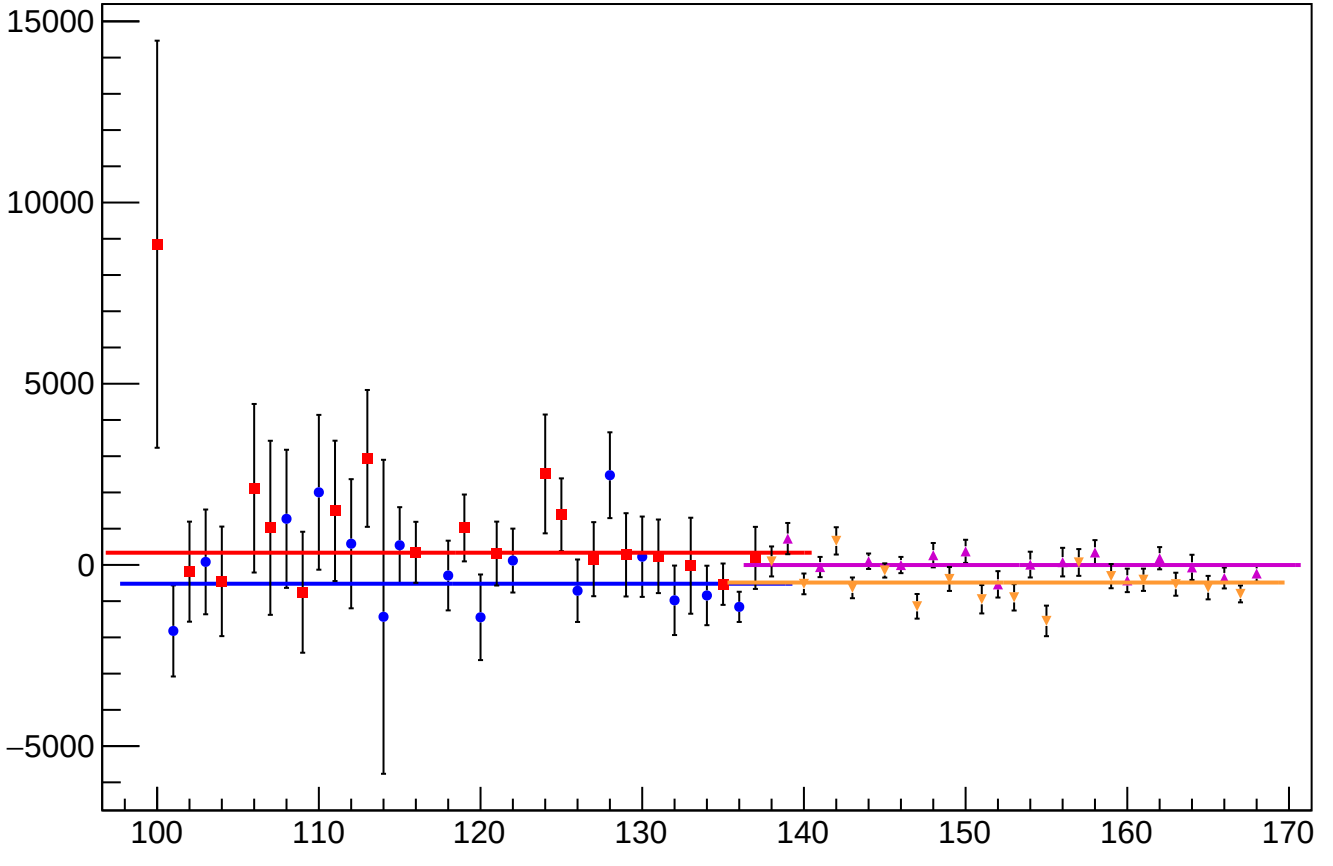
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 62.323+/-0.010 χ^2/NDF:2163568.1/30

Out: 62.909+/-0.010 χ^2/NDF:2580740.0/34

All: 62.615+/-0.007 χ^2/NDF: 4745912.9/65

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: -486.405+/-77.735 χ^2/NDF:31.8/15

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: -3.228+/-76.996 χ^2/NDF:13.1/14

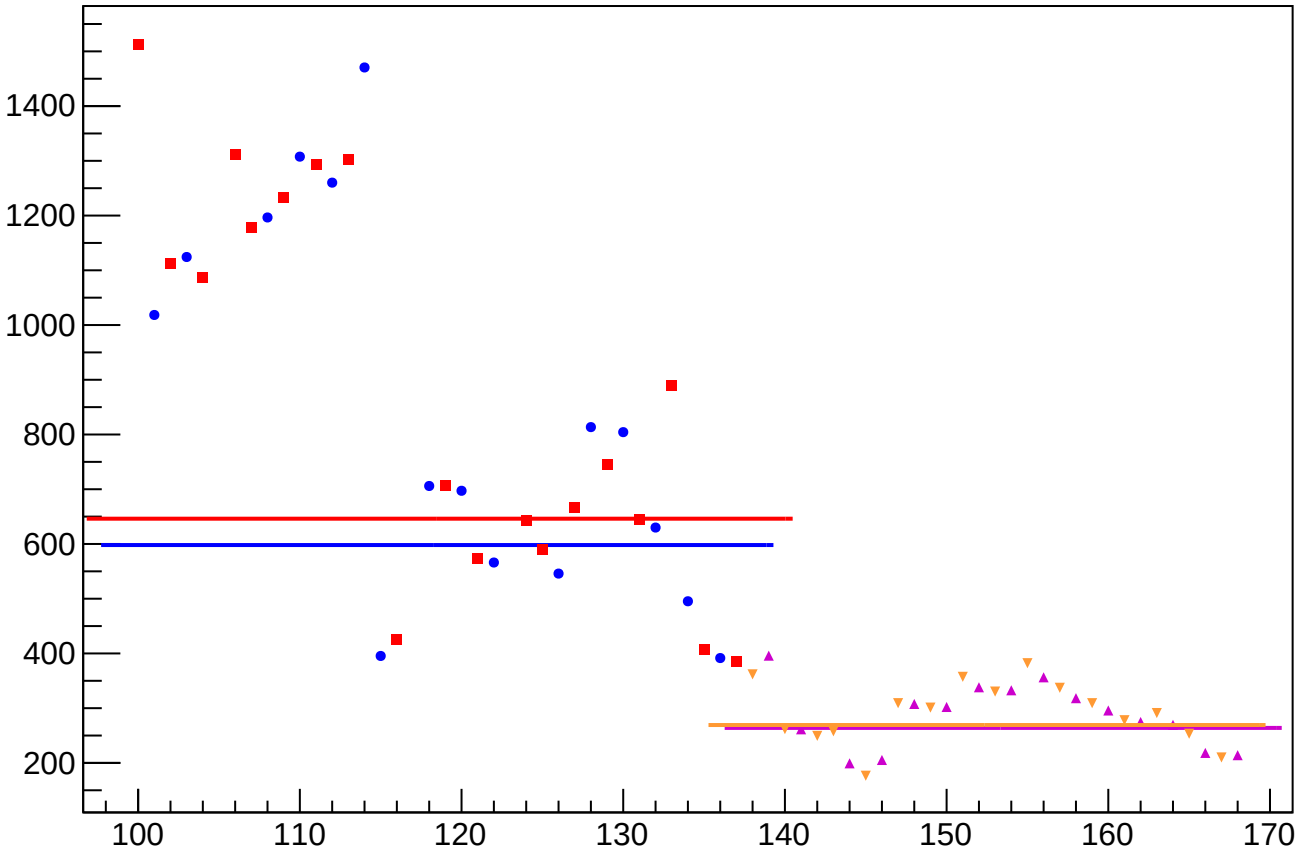
Left: -242.508+/-54.704 χ^2/NDF: 64.4/30

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -50.907+/-73.353 χ^2/NDF:33.1/30

Out: -417.221+/-74.397 χ^2/NDF:53.2/34

All: -231.476+/-52.233 χ^2/NDF: 98.5/65



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 269.214+/-0.055 χ^2/NDF:1143960.1/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 263.942+/-0.054 χ^2/NDF:1056472.1/14

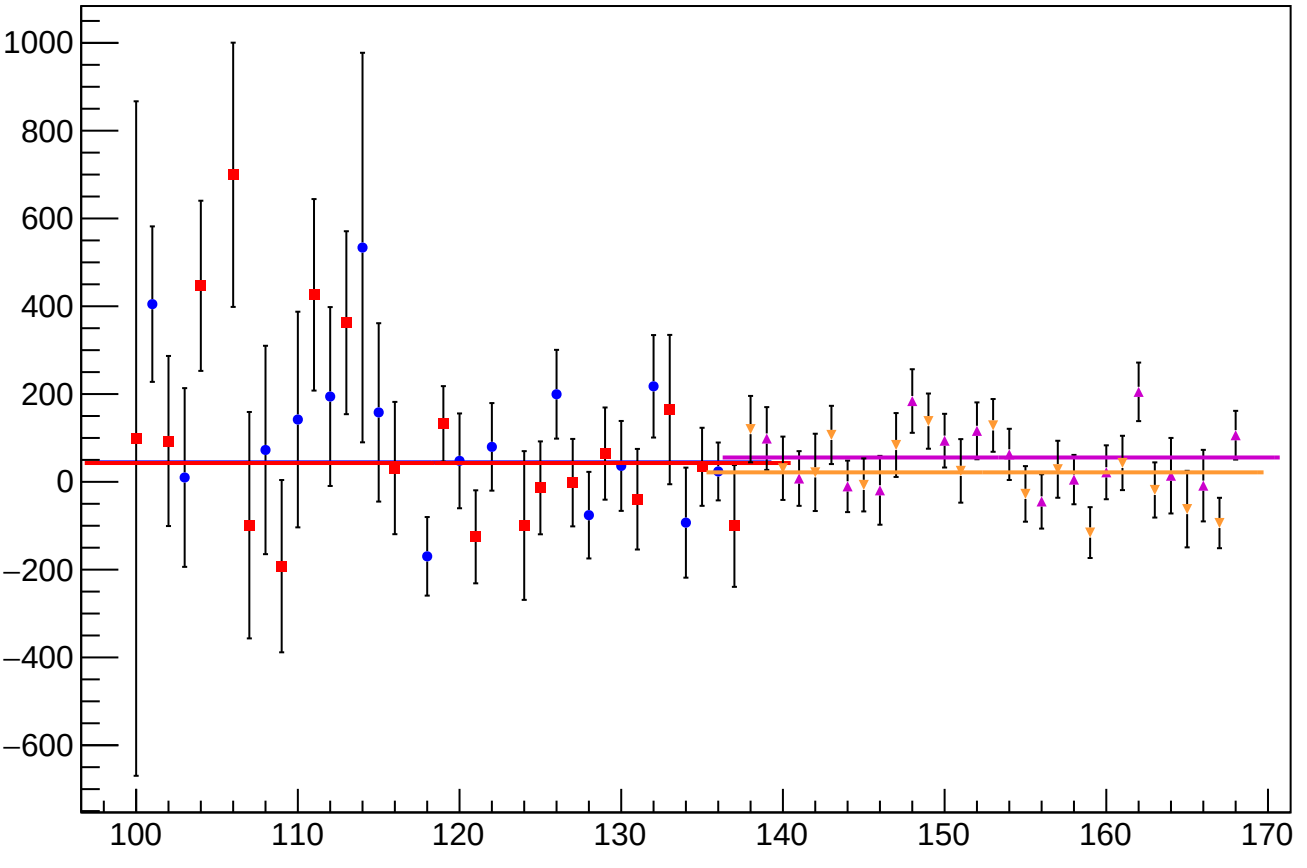
Left: 266.553+/-0.039 χ^2/NDF: 2205076.8/30

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 294.812+/-0.052 χ^2/NDF:6583750.5/30

Out: 300.899+/-0.053 χ^2/NDF:7302661.8/34

All: 297.812+/-0.037 χ^2/NDF: 13893201.2/65



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 21.632+/-16.573 χ^2/NDF:22.6/15

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.501+/-16.726 χ^2/NDF:18.0/14

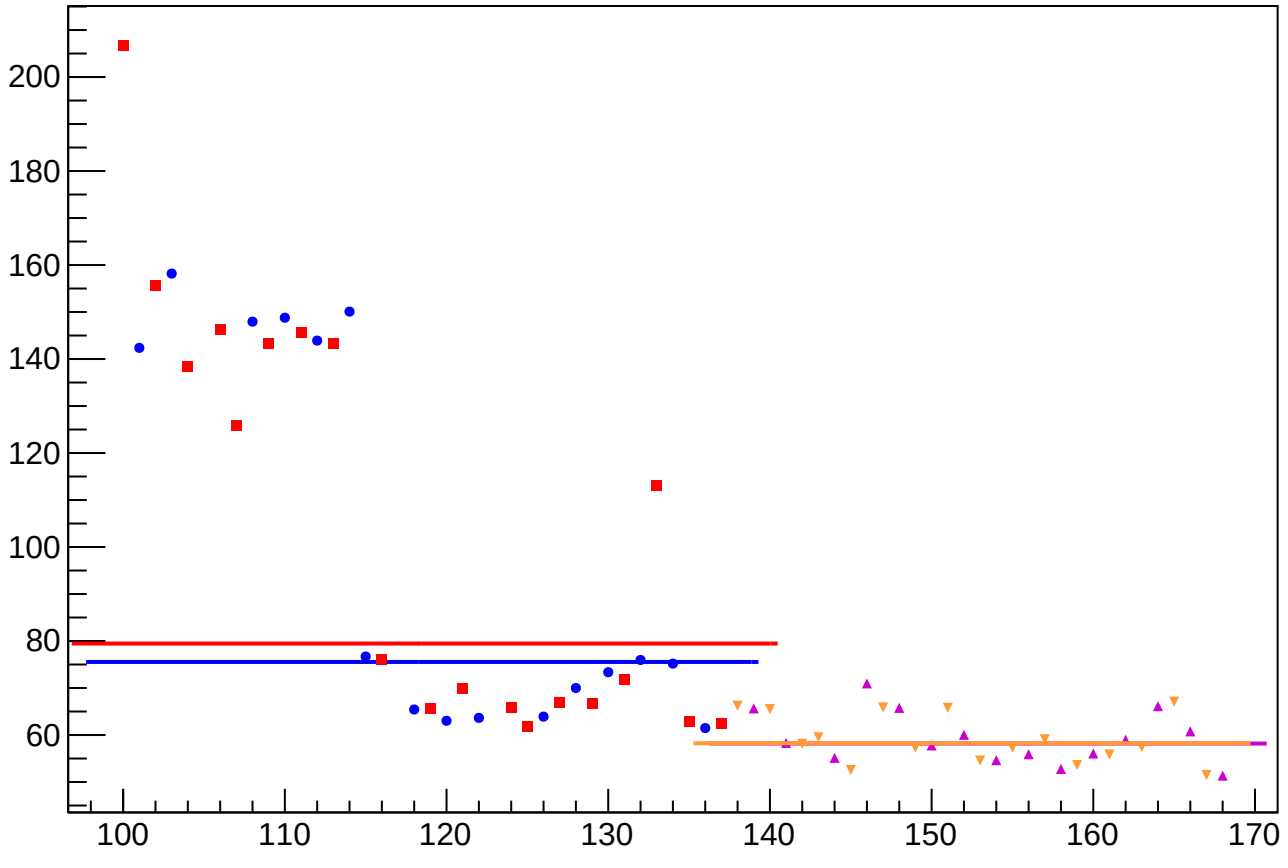
Left: 38.410+/-11.773 χ^2/NDF: 42.7/30

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.853+/-14.599 χ^2/NDF:37.7/30

Out: 26.301+/-14.641 χ^2/NDF:46.3/34

All: 39.616+/-10.338 χ^2/NDF: 85.7/65



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.252+/-0.012 χ^2/NDF:177736.5/15

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.189+/-0.012 χ^2/NDF:184982.1/14

Left: 58.221+/-0.008 χ^2/NDF: 362733.2/30

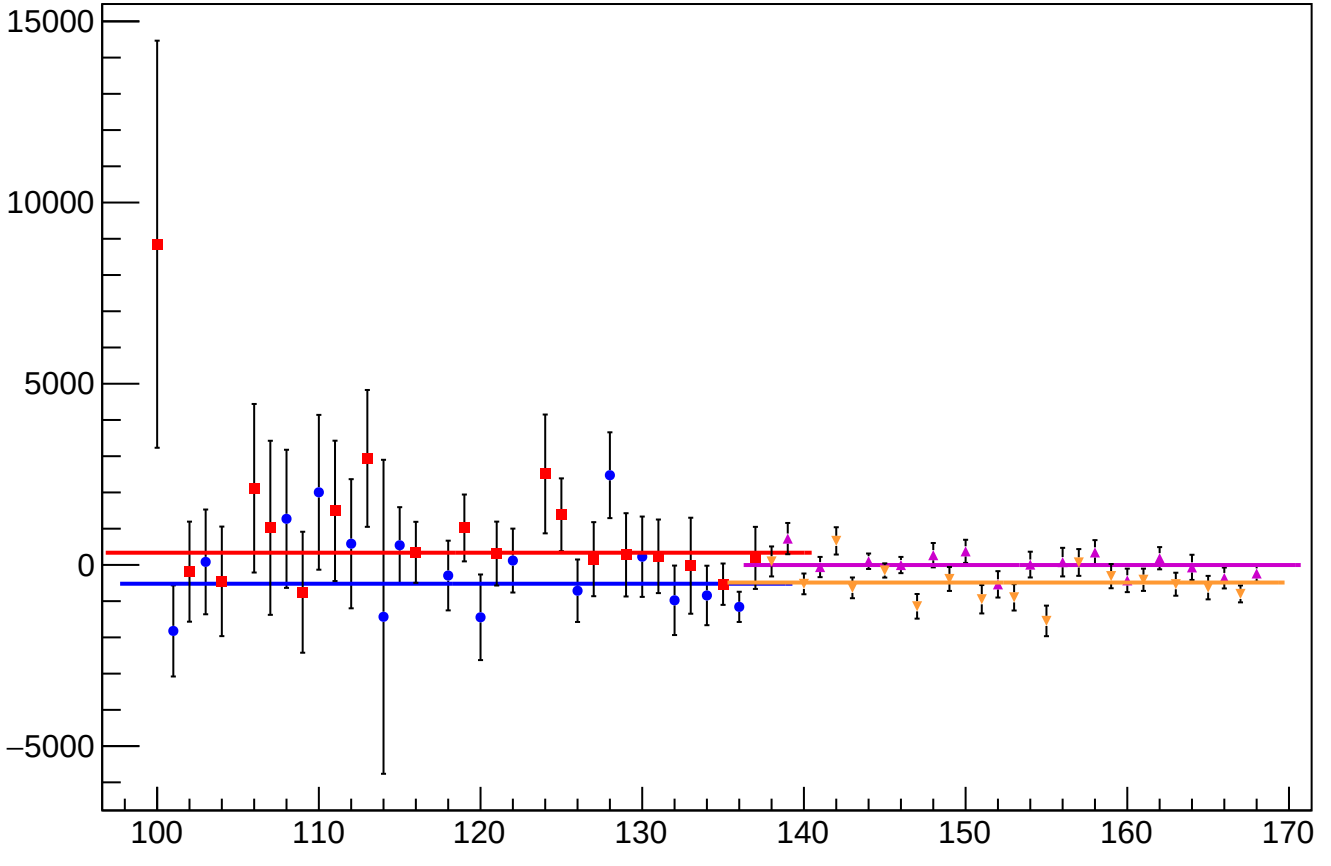
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 62.324+/-0.010 χ^2/NDF:2163530.6/30

Out: 62.909+/-0.010 χ^2/NDF:2580706.3/34

All: 62.616+/-0.007 χ^2/NDF: 4745841.7/65

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: -486.404+/-77.735 χ^2/NDF:31.8/15

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -3.228+/-76.996 χ^2/NDF:13.1/14

Left: -242.508+/-54.704 χ^2/NDF: 64.4/30

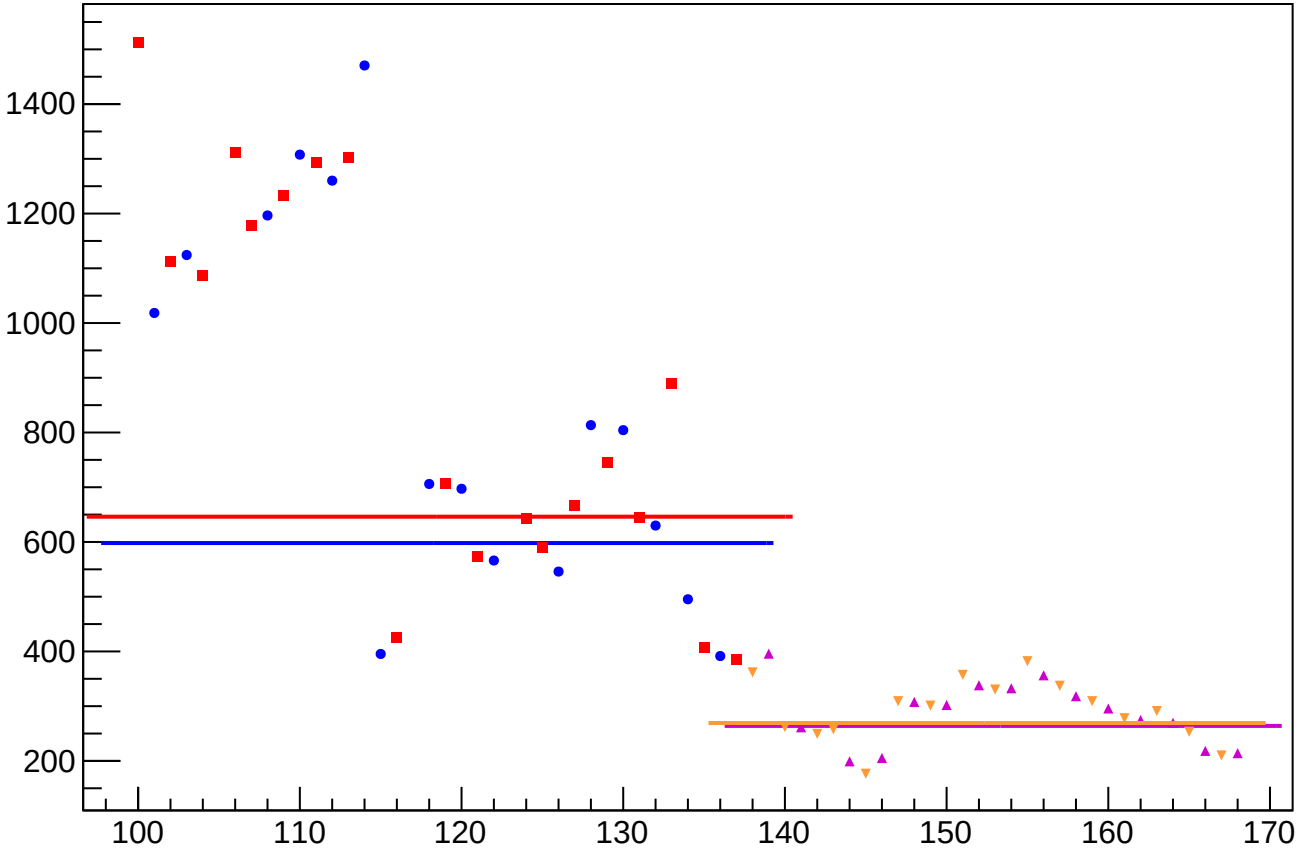
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -50.907+/-73.353 χ^2/NDF:33.1/30

Out: -417.221+/-74.396 χ^2/NDF:53.2/34

All: -231.476+/-52.233 χ^2/NDF: 98.5/65

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: 269.214+/-0.055 χ^2/NDF:1143963.6/15

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 263.941+/-0.054 χ^2/NDF:1056467.3/14

Left: 266.552+/-0.039 χ^2/NDF: 2205075.4/30

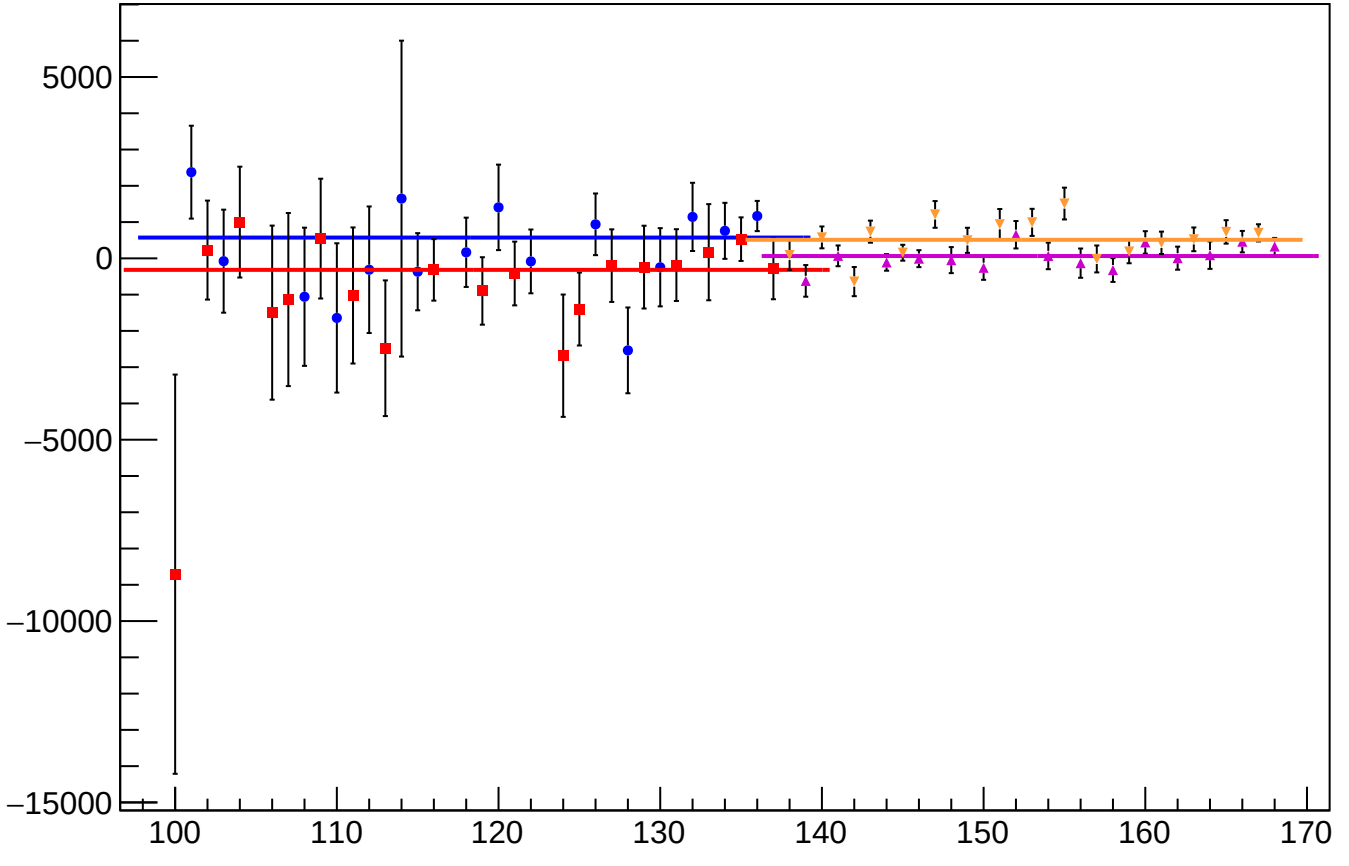
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 294.811+/-0.052 χ^2/NDF:6583732.8/30

Out: 300.898+/-0.053 χ^2/NDF:7302657.6/34

All: 297.812+/-0.037 χ^2/NDF: 13893179.2/65

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 511.769+/-80.948 χ^2/NDF:28.2/15

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 64.294+/-79.480 χ^2/NDF:12.8/14

Left: 283.937+/-56.713 χ^2/NDF: 56.6/30

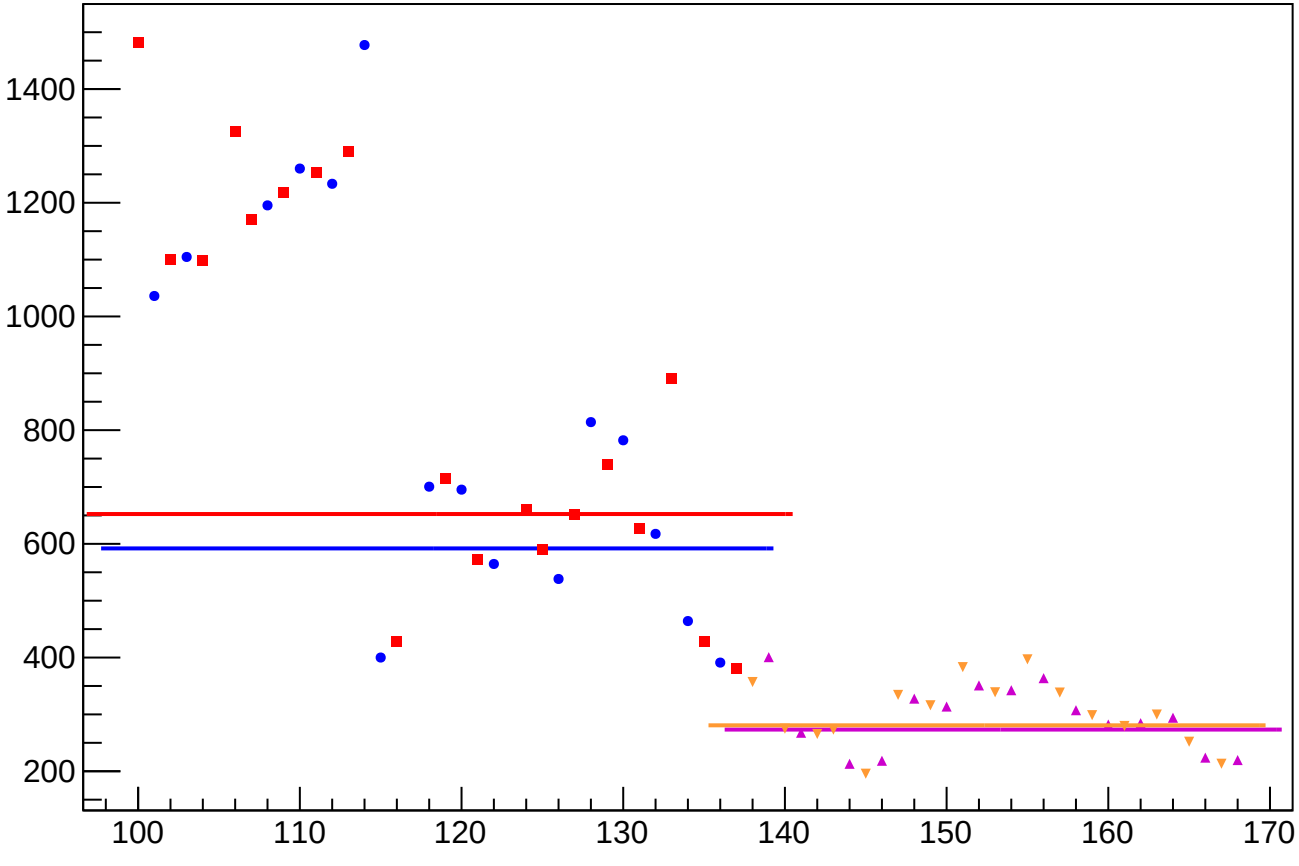
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 115.017+/-75.416 χ^2/NDF:33.4/30

Out: 437.636+/-77.242 χ^2/NDF:48.6/34

All: 272.469+/-53.961 χ^2/NDF: 91.0/65

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 280.797+/-0.057 χ^2/NDF:985621.9/15

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 273.298+/-0.056 χ^2/NDF:942722.2/14

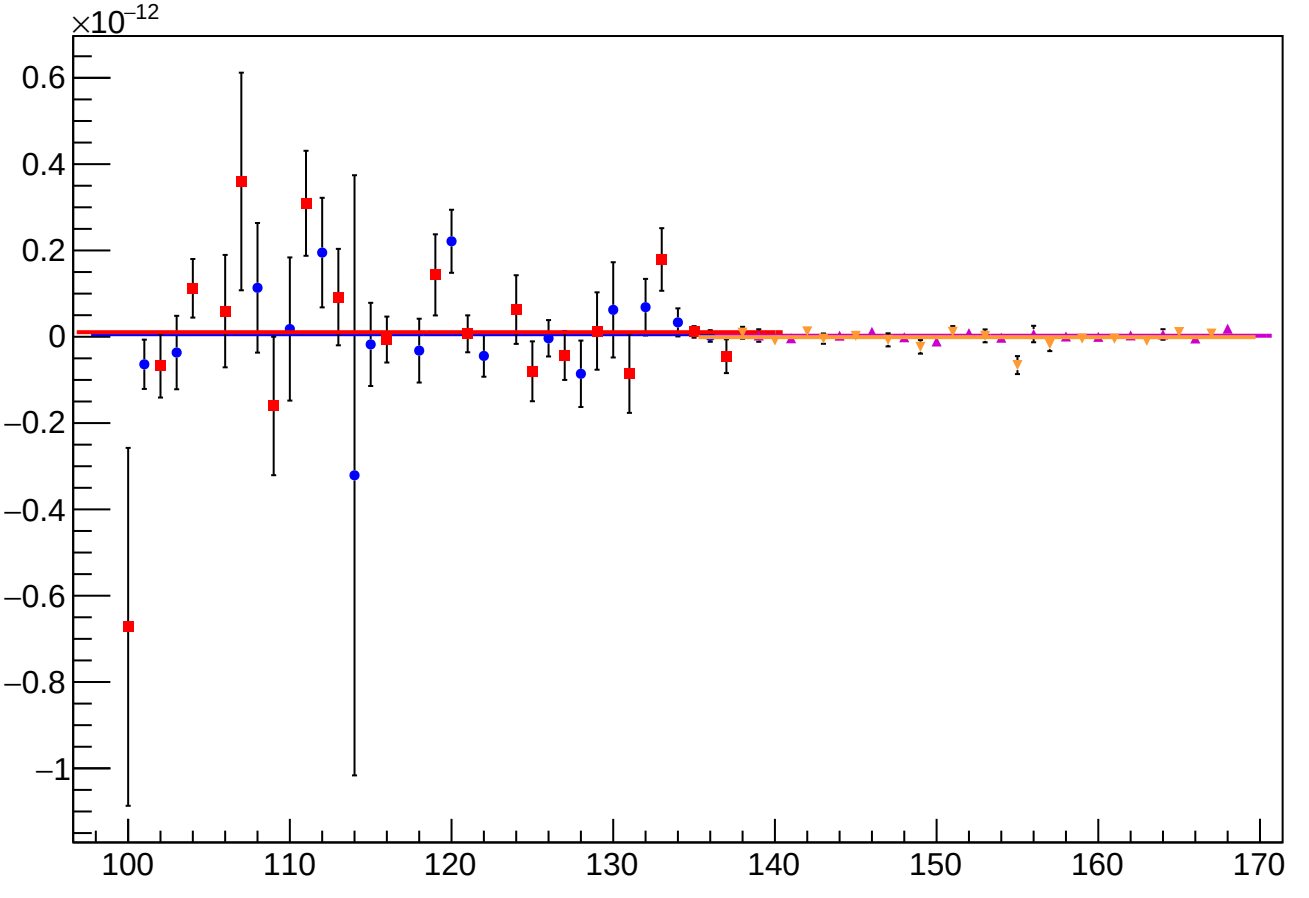
Left: 276.979+/-0.040 χ^2/NDF: 1937083.3/30

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 305.050+/-0.053 χ^2/NDF:6182011.9/30

Out: 314.049+/-0.055 χ^2/NDF:6847672.9/34

All: 309.442+/-0.038 χ^2/NDF: 13043581.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/14

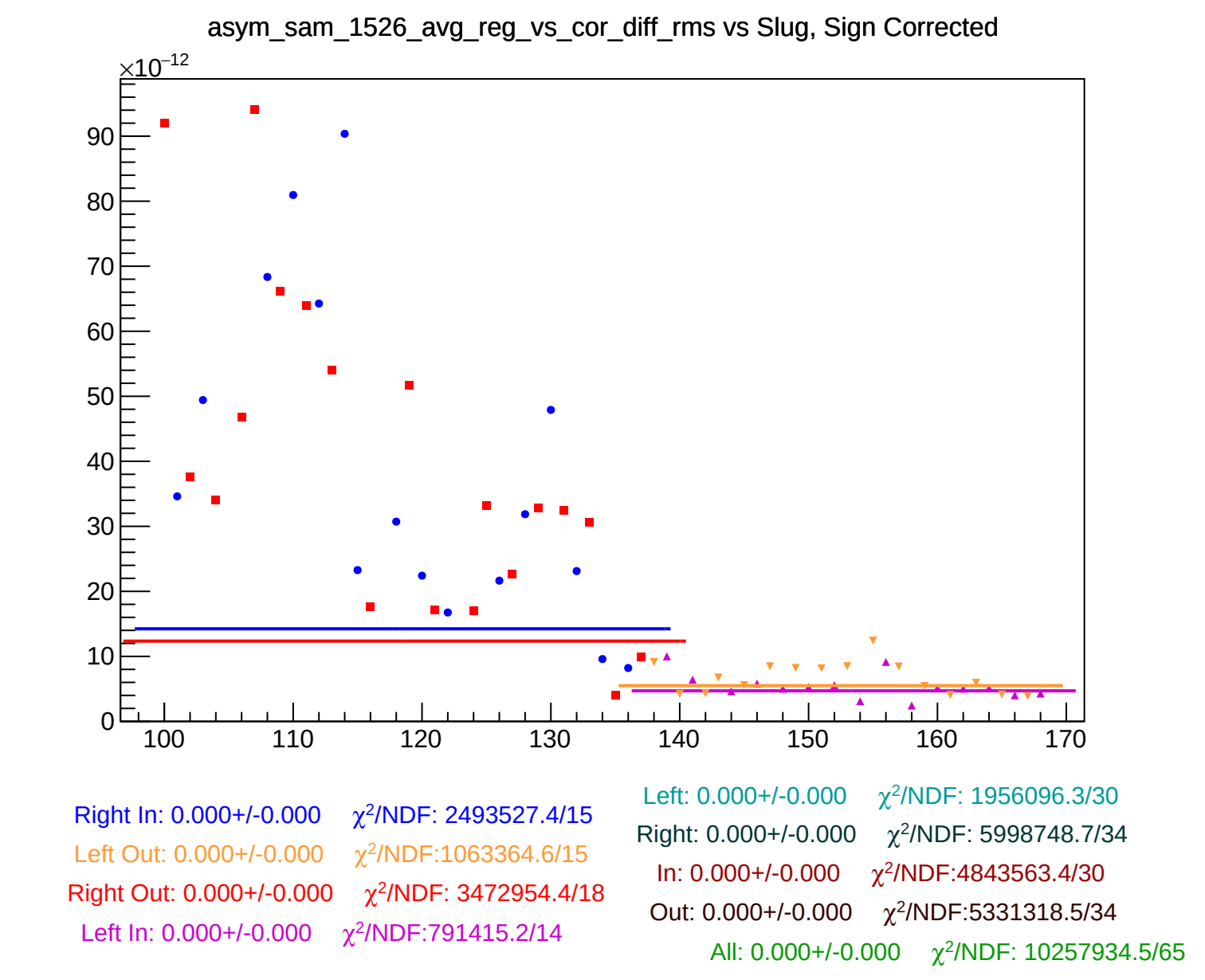
Left: 0.000+/-0.000 χ^2/NDF: 30.9/30

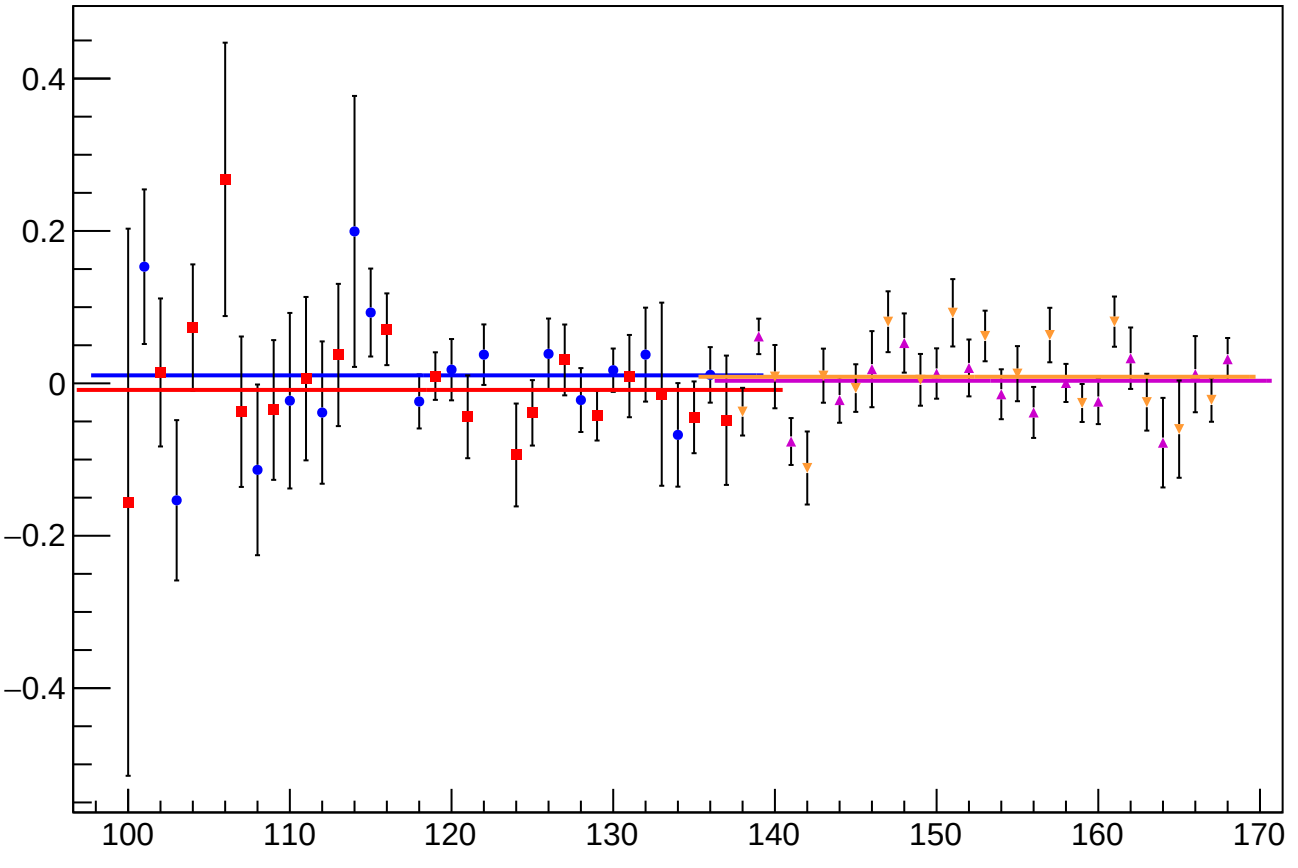
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:27.0/30

Out: -0.000+/-0.000 χ^2/NDF:52.0/34

All: 0.000+/-0.000 χ^2/NDF: 79.7/65


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1063364.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:791415.2/14
Left: 0.000+/-0.000 χ²/NDF: 1956096.3/30
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4843563.4/30
Out: 0.000+/-0.000 χ²/NDF:5331318.5/34
All: 0.000+/-0.000 χ²/NDF: 10257934.5/65



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:21.9/14

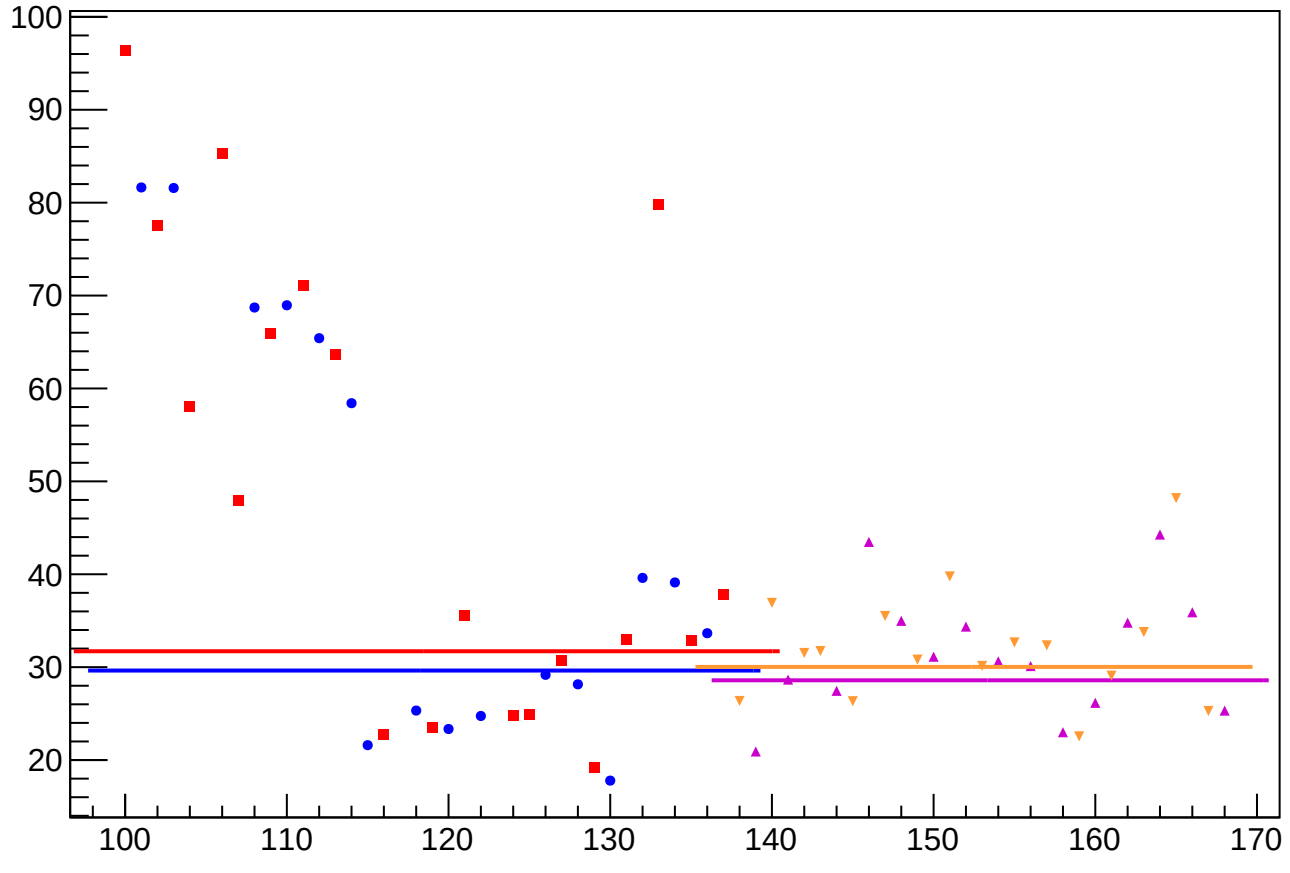
Left: 0.006+/-0.006 χ^2/NDF: 52.4/30

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/30

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.005+/-0.005 χ^2/NDF: 79.2/65



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.027+/-0.006 χ^2/NDF:690474.5/15

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.585+/-0.006 χ^2/NDF:897394.9/14

Left: 29.282+/-0.004 χ^2/NDF: 1615824.7/30

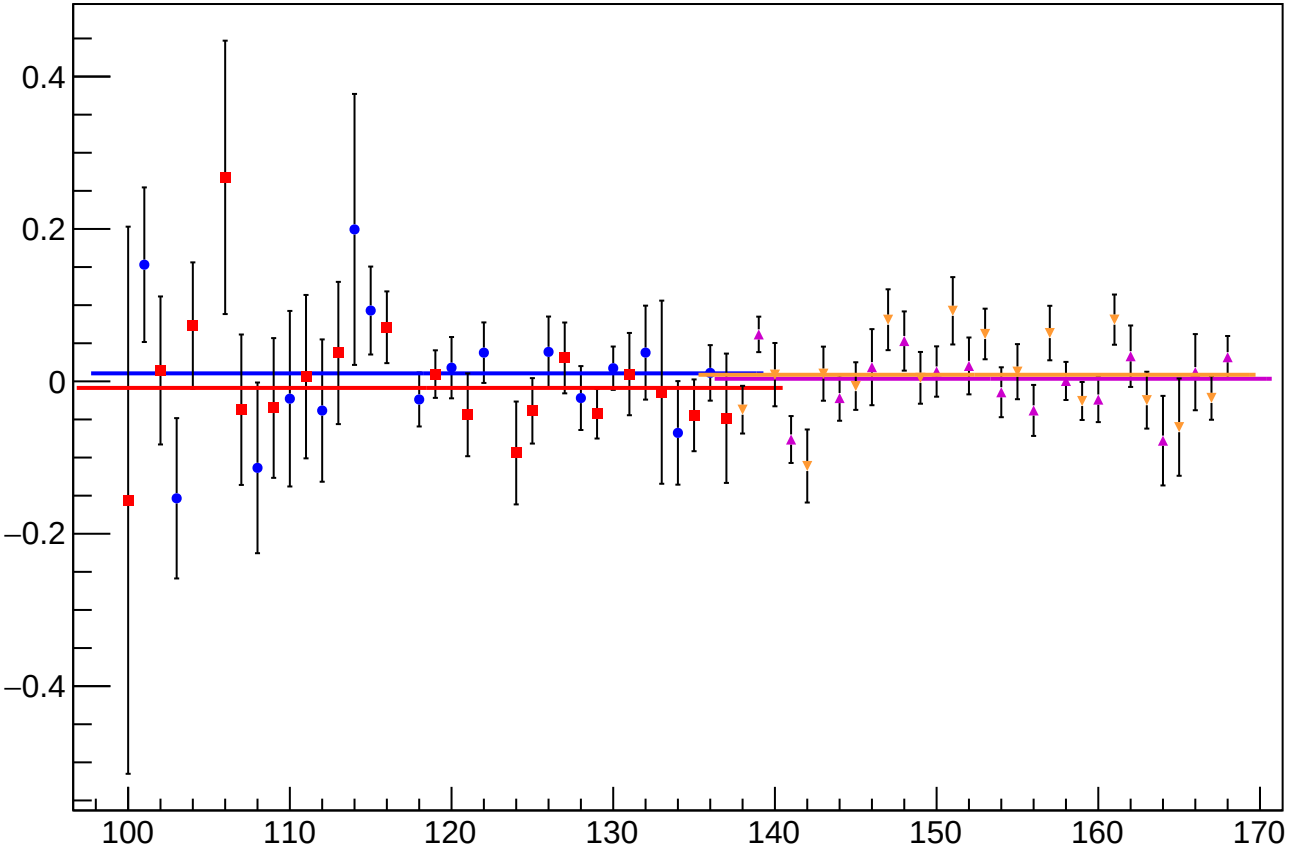
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.914+/-0.005 χ^2/NDF:3355463.4/30

Out: 30.540+/-0.005 χ^2/NDF:3364483.8/34

All: 29.696+/-0.004 χ^2/NDF: 6771391.6/65

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: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:21.9/14

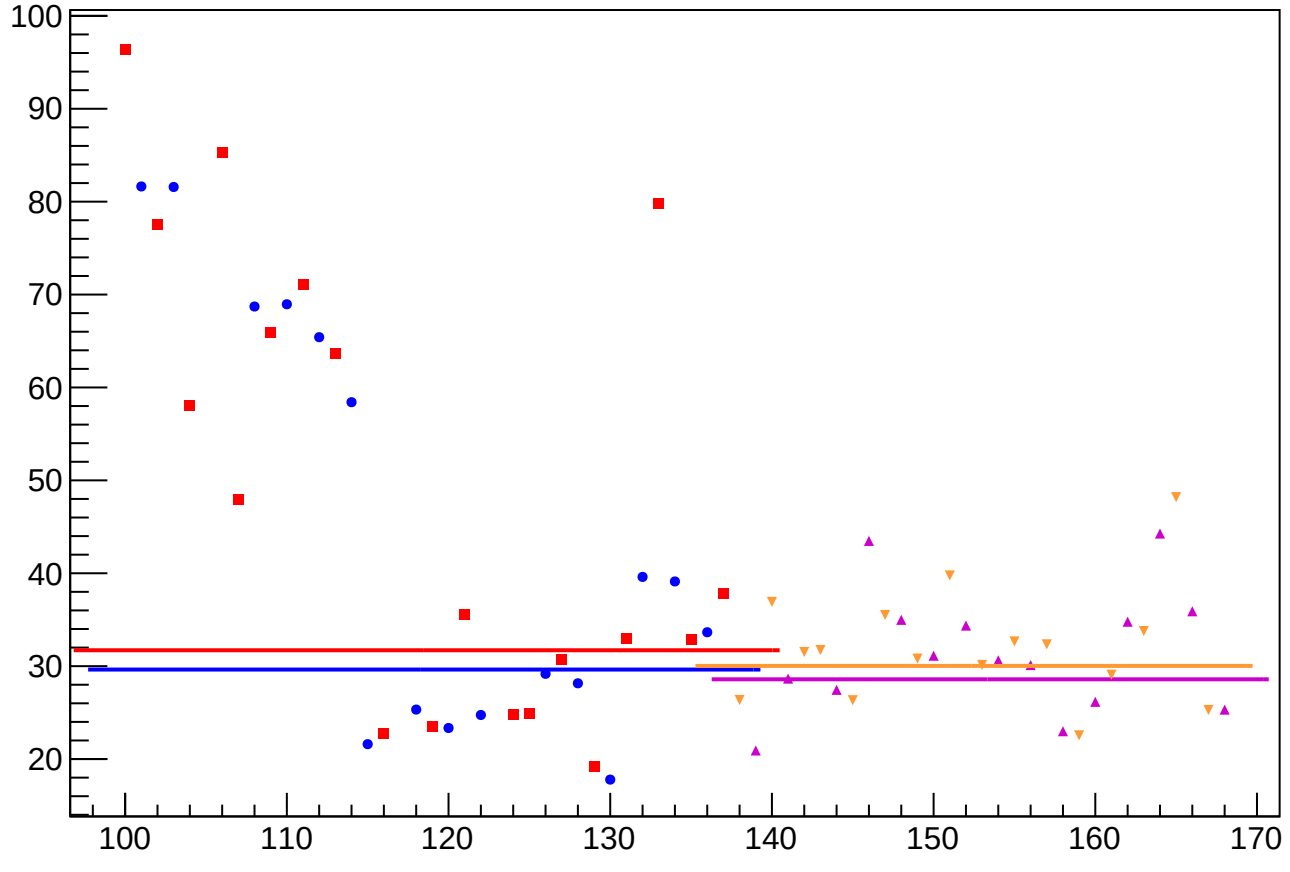
Left: 0.006+/-0.006 χ^2/NDF: 52.4/30

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/30

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.005+/-0.005 χ^2/NDF: 79.2/65



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.027+/-0.006 χ^2/NDF:690474.5/15

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.585+/-0.006 χ^2/NDF:897394.9/14

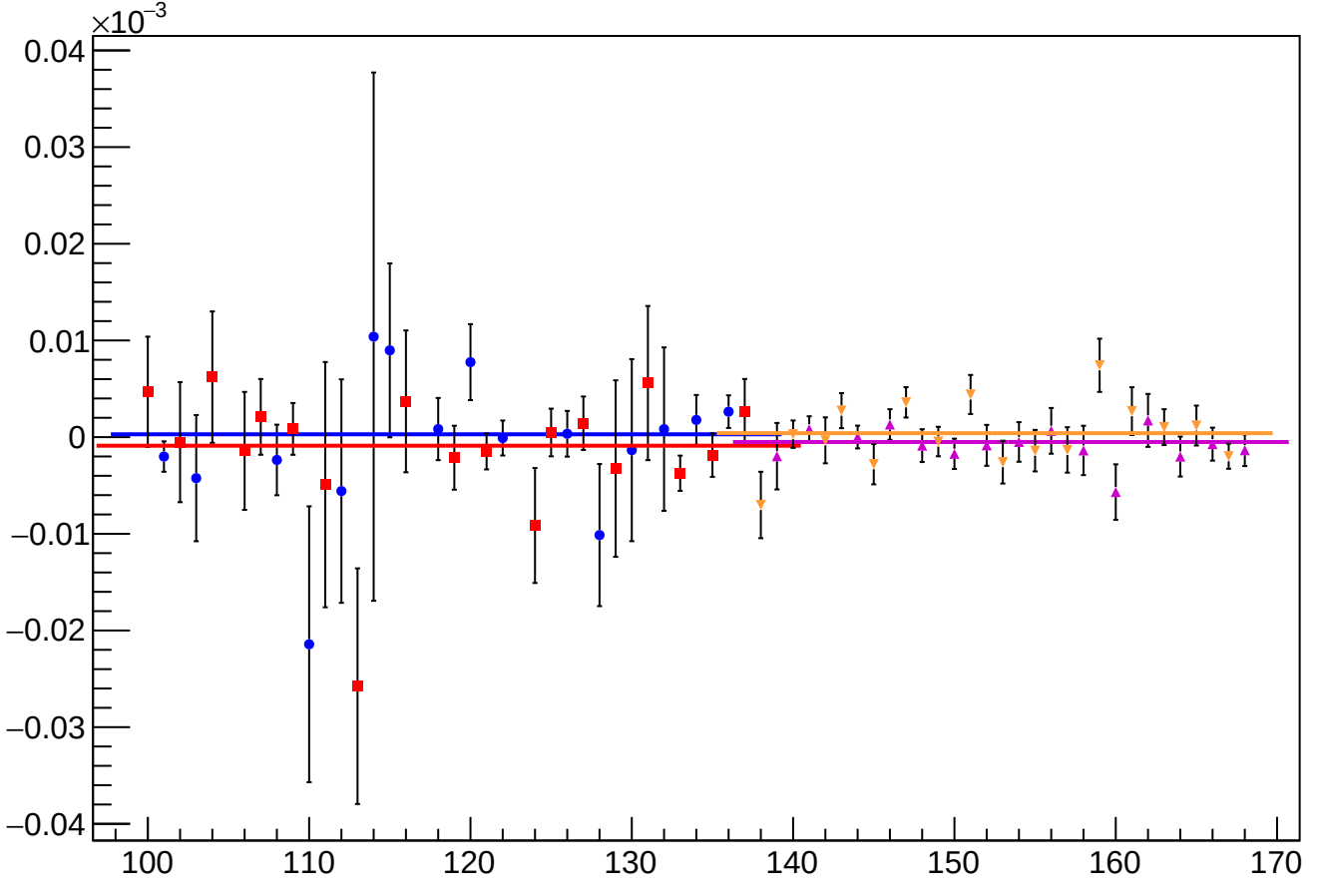
Left: 29.282+/-0.004 χ^2/NDF: 1615824.7/30

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

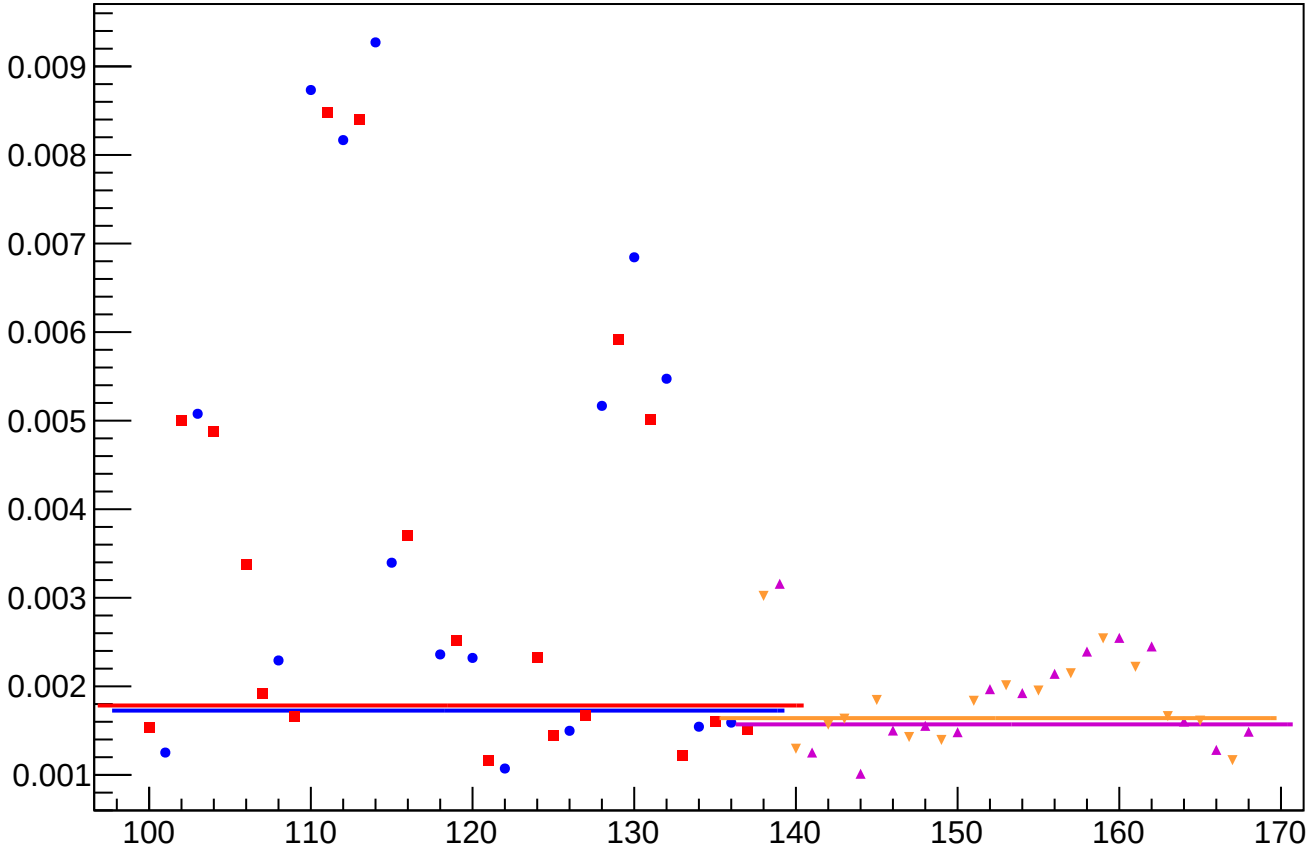
In: 28.914+/-0.005 χ^2/NDF:3355463.4/30

Out: 30.540+/-0.005 χ^2/NDF:3364483.8/34

All: 29.696+/-0.004 χ^2/NDF: 6771391.6/65


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:31.2/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.4/18
Left In: -0.000+/-0.000 χ²/NDF:8.4/14
Left: -0.000+/-0.000 χ²/NDF: 41.5/30
Right: -0.000+/-0.000 χ²/NDF: 31.3/34
In: -0.000+/-0.000 χ²/NDF:24.0/30
Out: 0.000+/-0.000 χ²/NDF:48.6/34
All: -0.000+/-0.000 χ²/NDF: 73.0/65

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:1353446.4/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1954489.2/14

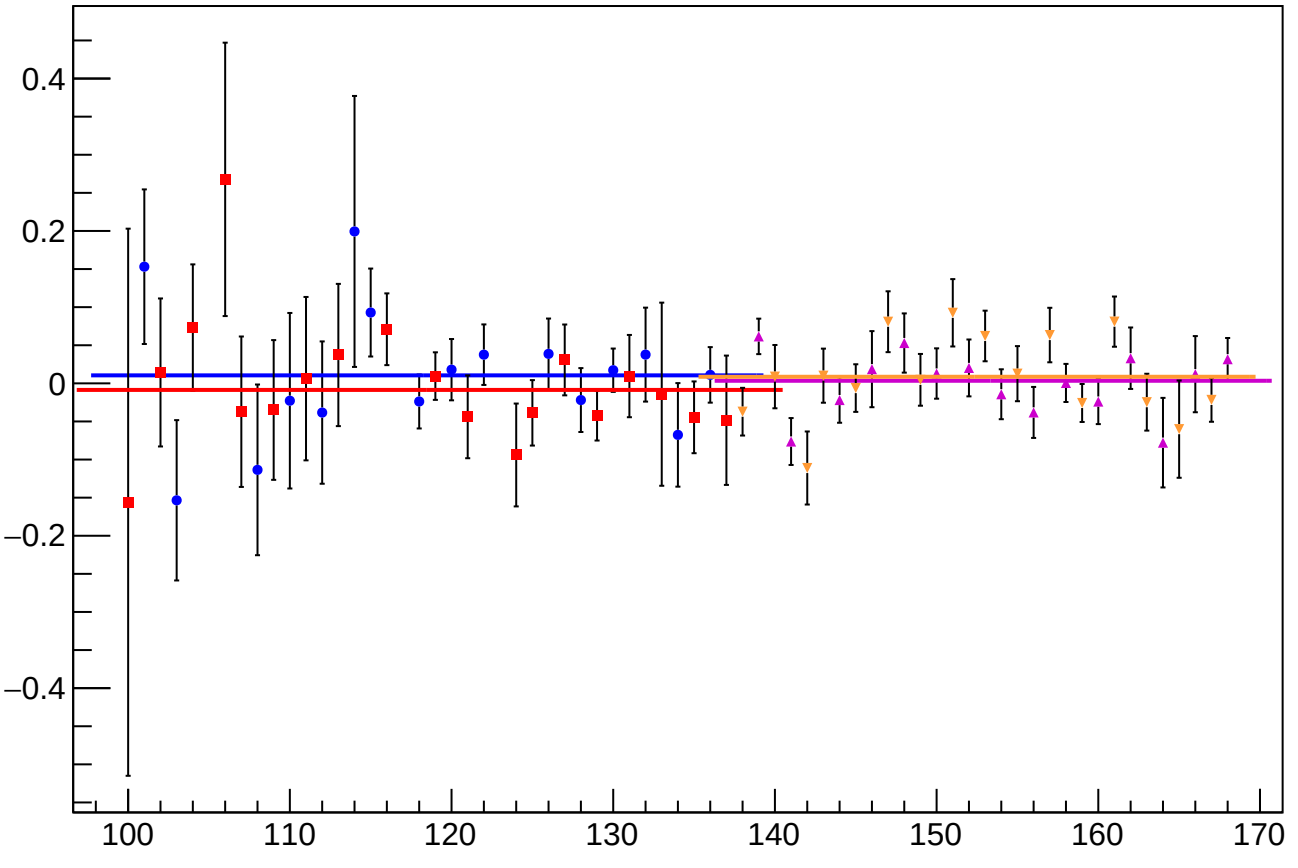
Left: 0.002+/-0.000 χ^2/NDF: 3330091.9/30

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5947114.2/30

Out: 0.002+/-0.000 χ^2/NDF:5121287.0/34

All: 0.002+/-0.000 χ^2/NDF: 11095789.7/65



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:21.9/14

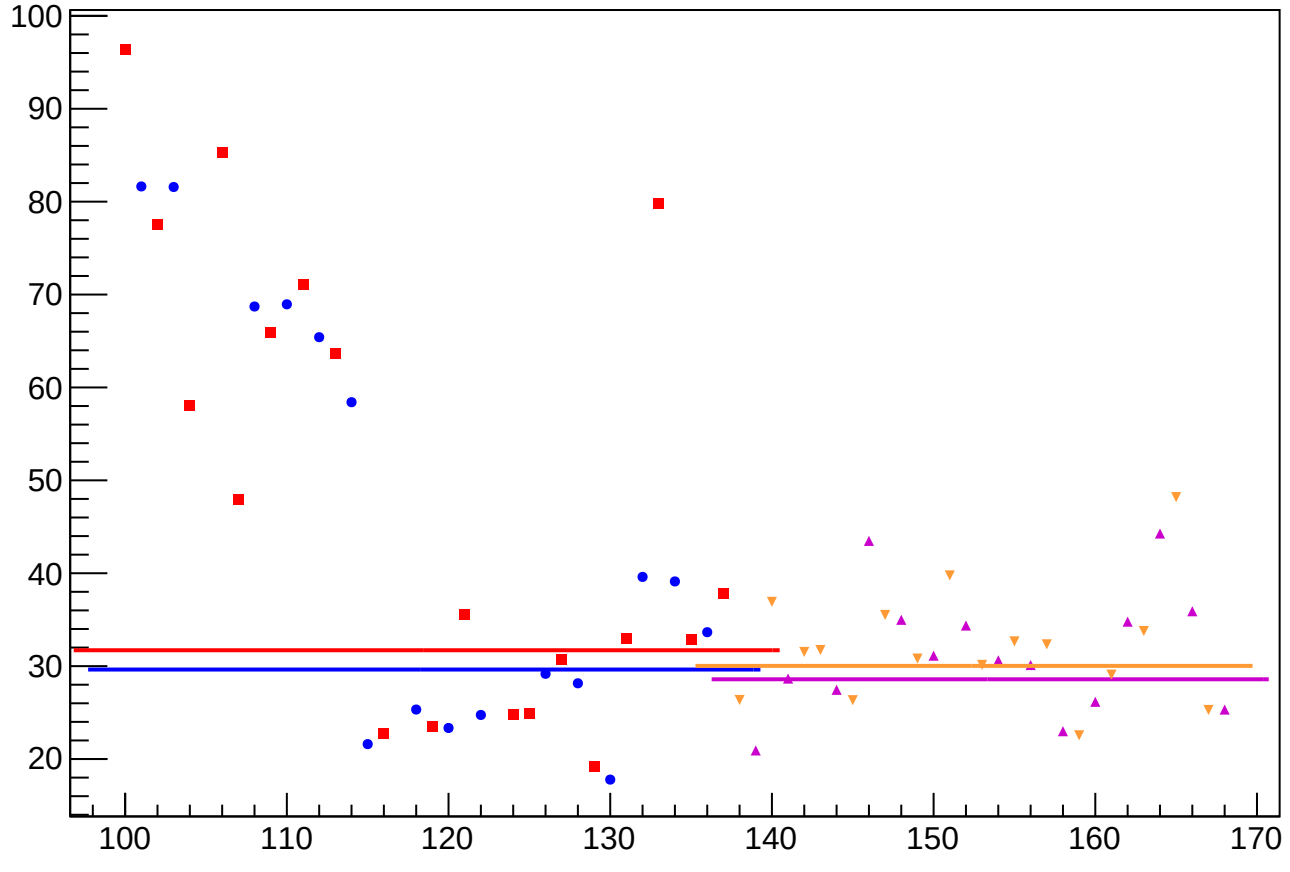
Left: 0.006+/-0.006 χ^2/NDF: 52.4/30

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/30

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.005+/-0.005 χ^2/NDF: 79.2/65



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.027+/-0.006 χ^2/NDF:690486.0/15

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.585+/-0.006 χ^2/NDF:897417.4/14

Left: 29.283+/-0.004 χ^2/NDF: 1615854.5/30

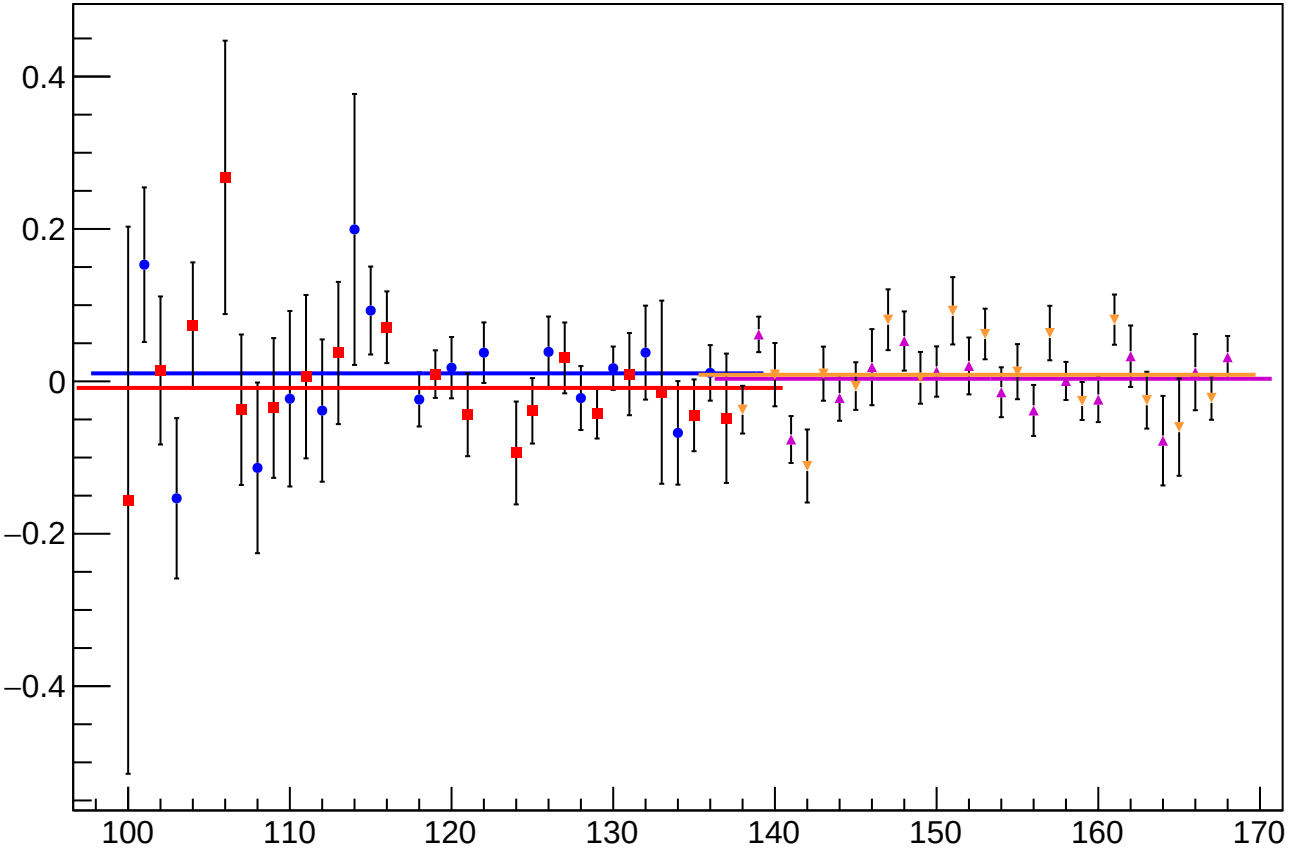
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.914+/-0.005 χ^2/NDF:3355659.6/30

Out: 30.540+/-0.005 χ^2/NDF:3364623.4/34

All: 29.695+/-0.004 χ^2/NDF: 6771724.6/65

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: 0.009+/-0.009 χ^2/NDF:30.3/15

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:21.9/14

Left: 0.006+/-0.006 χ^2/NDF: 52.4/30

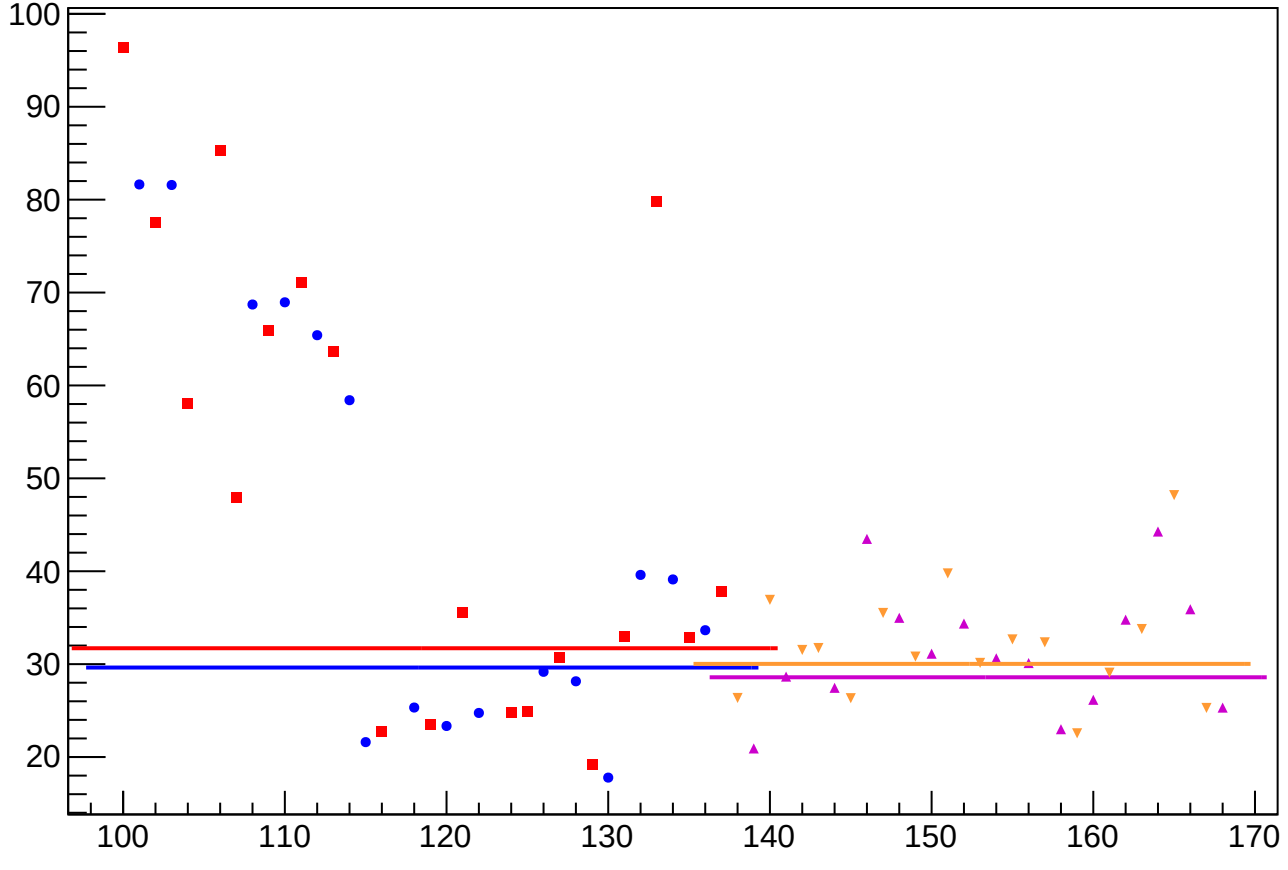
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/30

Out: 0.003+/-0.007 χ^2/NDF:43.9/34

All: 0.005+/-0.005 χ^2/NDF: 79.2/65

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: 30.027+/-0.006 χ^2/NDF:690486.0/15

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.585+/-0.006 χ^2/NDF:897417.4/14

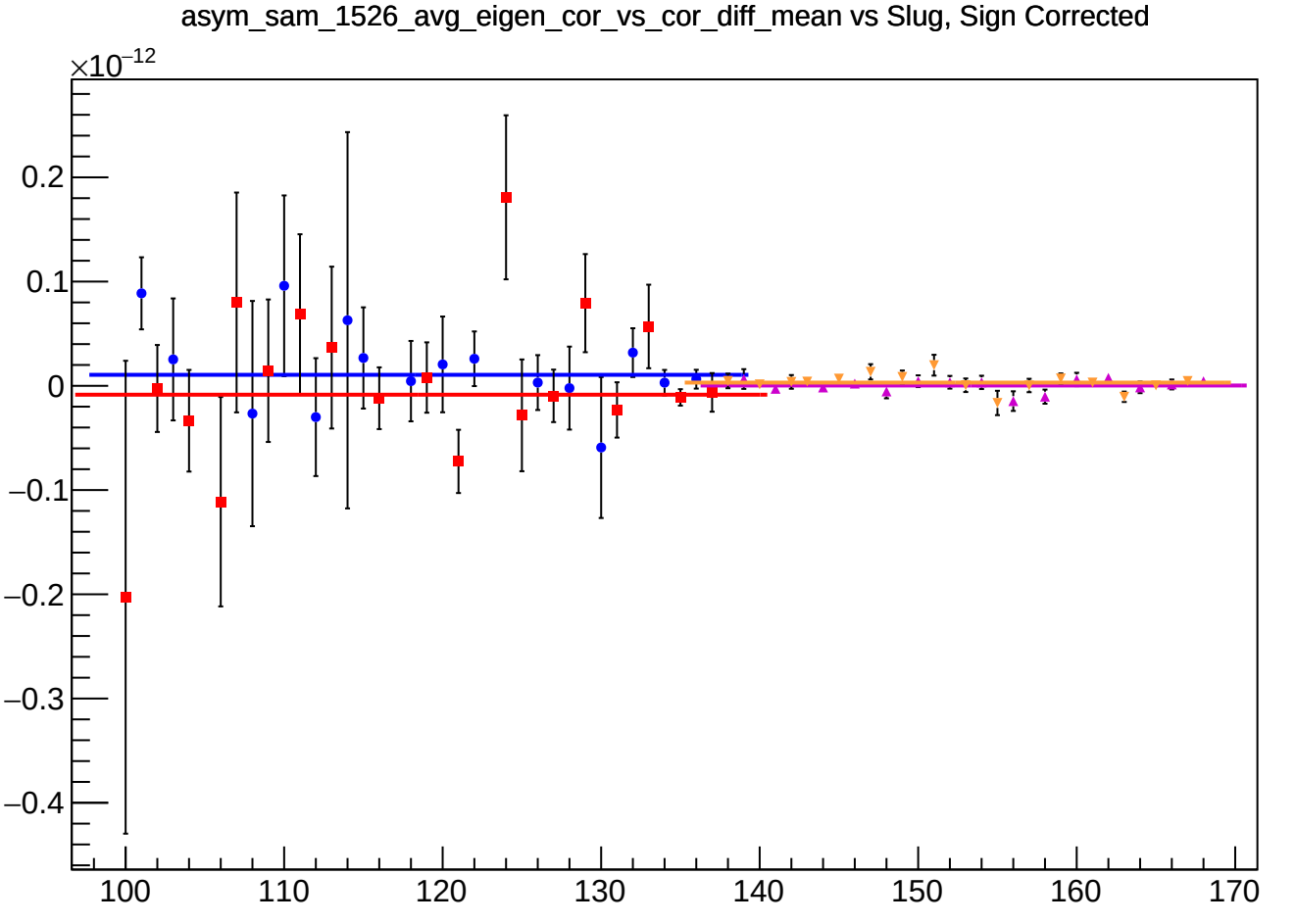
Left: 29.283+/-0.004 χ^2/NDF: 1615854.5/30

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

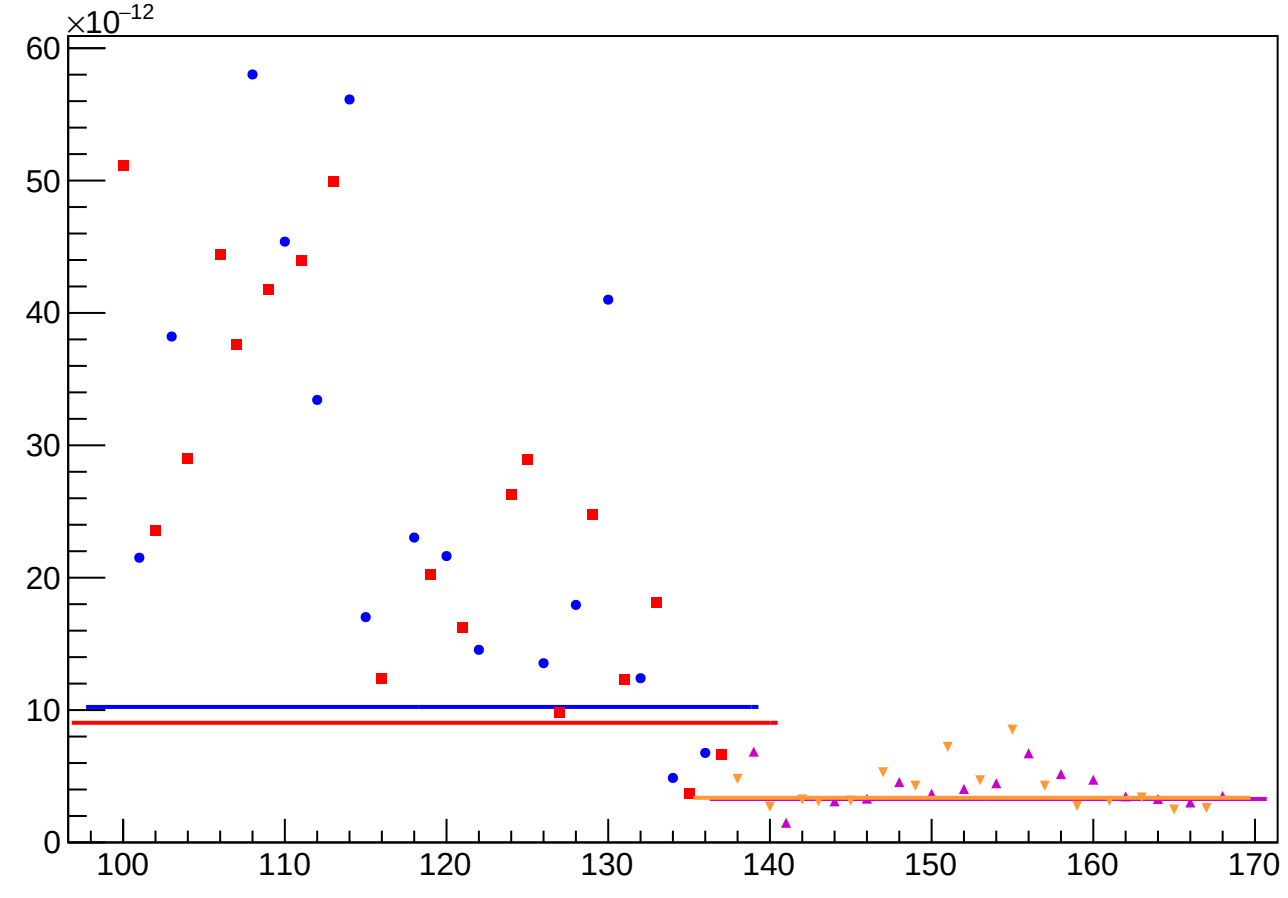
In: 28.914+/-0.005 χ^2/NDF:3355659.6/30

Out: 30.540+/-0.005 χ^2/NDF:3364623.4/34

All: 29.695+/-0.004 χ^2/NDF: 6771724.6/65


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:13.2/14
Left: 0.000+/-0.000 χ²/NDF: 34.0/30
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:26.0/30
Out: 0.000+/-0.000 χ²/NDF:43.6/34
All: 0.000+/-0.000 χ²/NDF: 70.6/65

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:1361446.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1900590.1/14

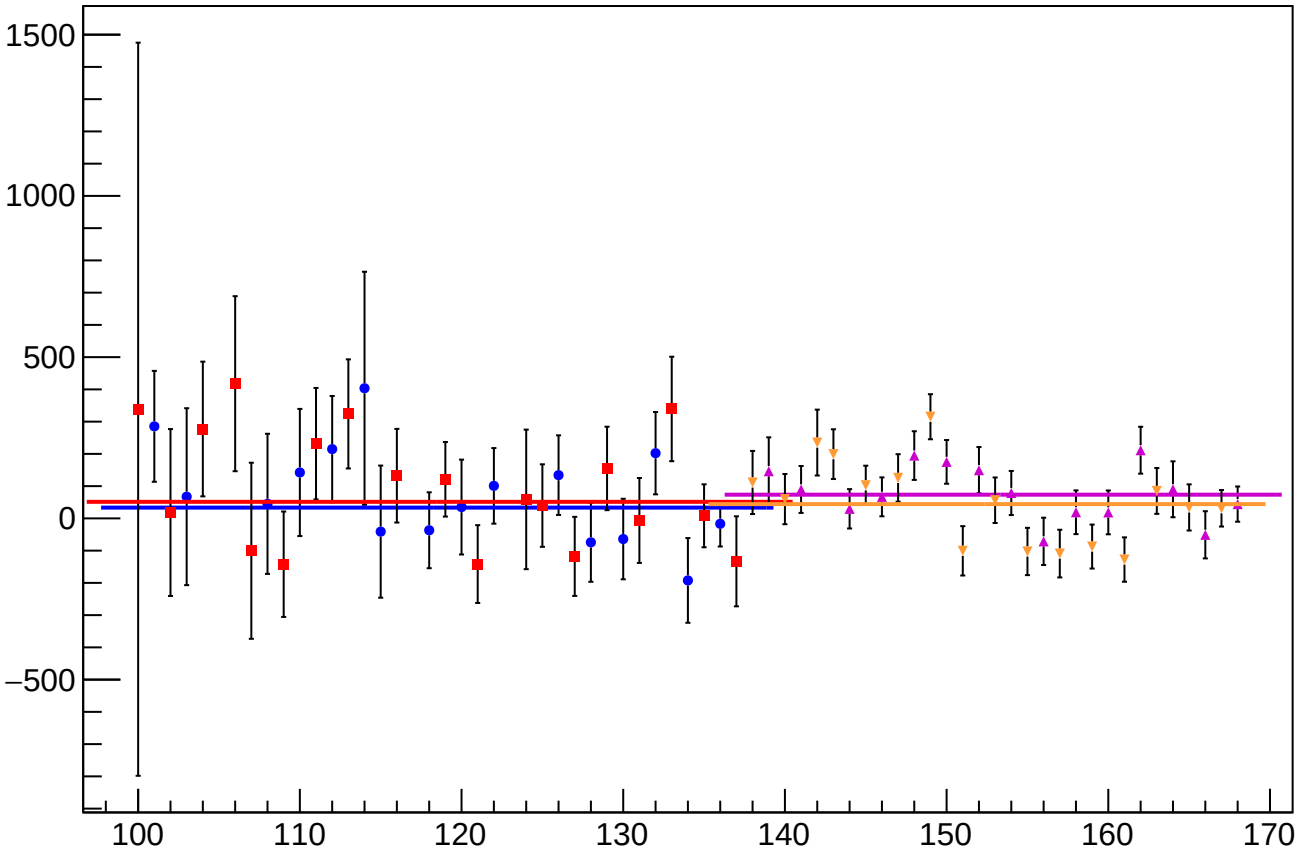
Left: 0.000+/-0.000 χ^2/NDF: 3267030.2/30

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7981587.4/30

Out: 0.000+/-0.000 χ^2/NDF:7620251.7/34

All: 0.000+/-0.000 χ^2/NDF: 15602896.7/65



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.237+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 73.479+/-17.995 χ^2/NDF:19.0/14

Left: 58.910+/-12.747 χ^2/NDF: 67.9/30

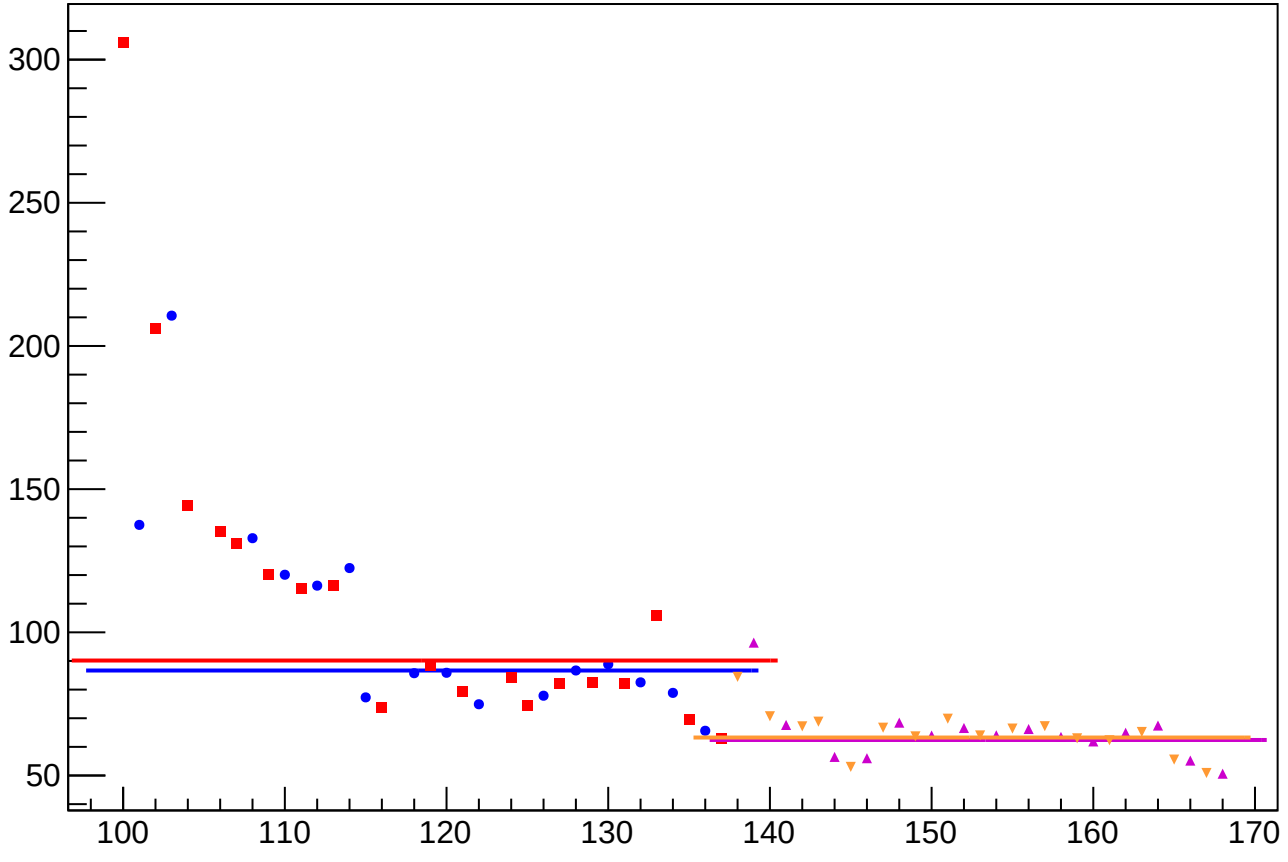
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 64.667+/-15.893 χ^2/NDF:32.9/30

Out: 45.739+/-16.035 χ^2/NDF:67.1/34

All: 55.287+/-11.288 χ^2/NDF: 100.7/65

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

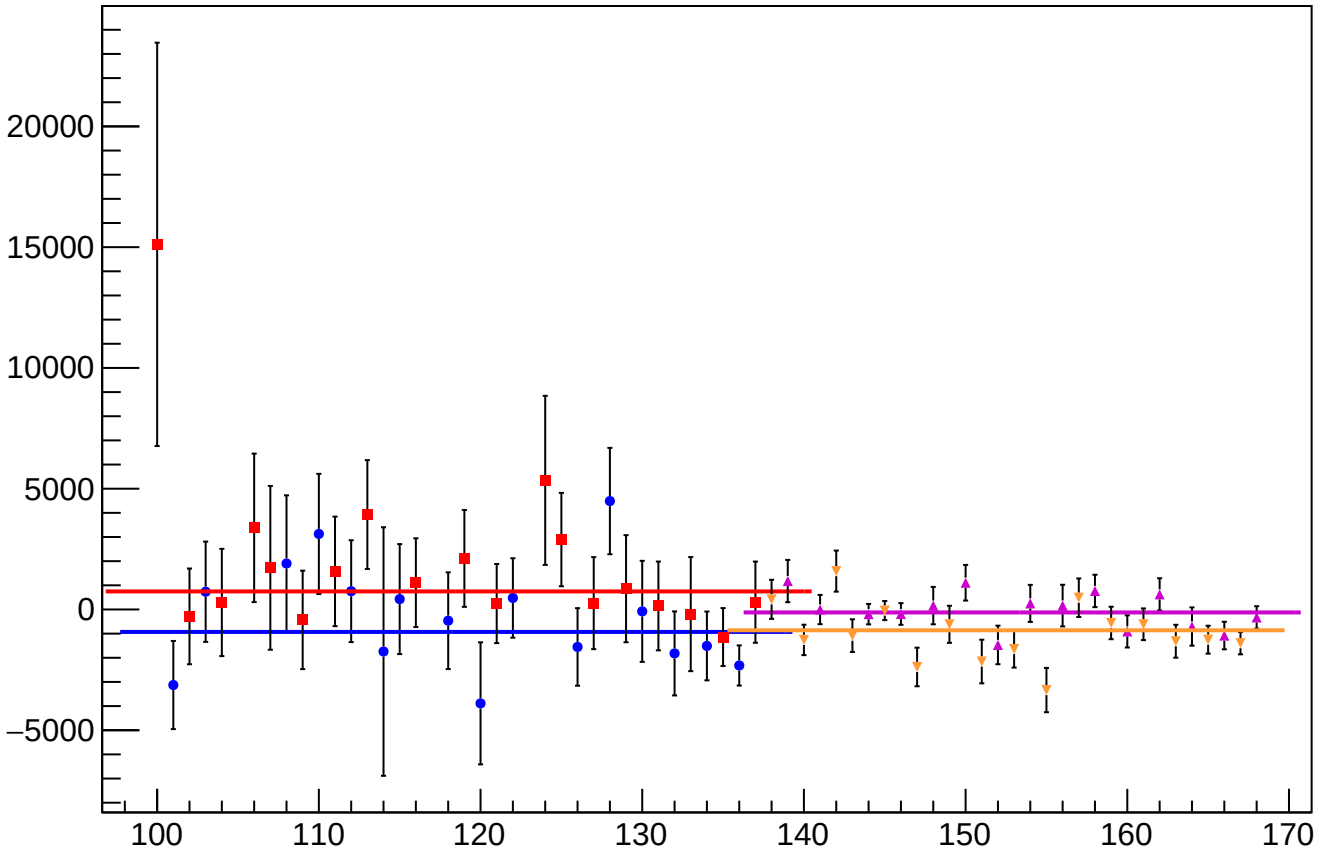
Left: 62.833+/-0.009 χ^2/NDF: 744195.3/30

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 67.745+/-0.011 χ^2/NDF:2248782.5/30

Out: 68.955+/-0.011 χ^2/NDF:2420312.5/34

All: 68.345+/-0.008 χ^2/NDF: 4674836.6/65



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -861.937+/-163.586 χ^2/NDF:35.1/15

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -123.065+/-160.646 χ^2/NDF:16.4/14

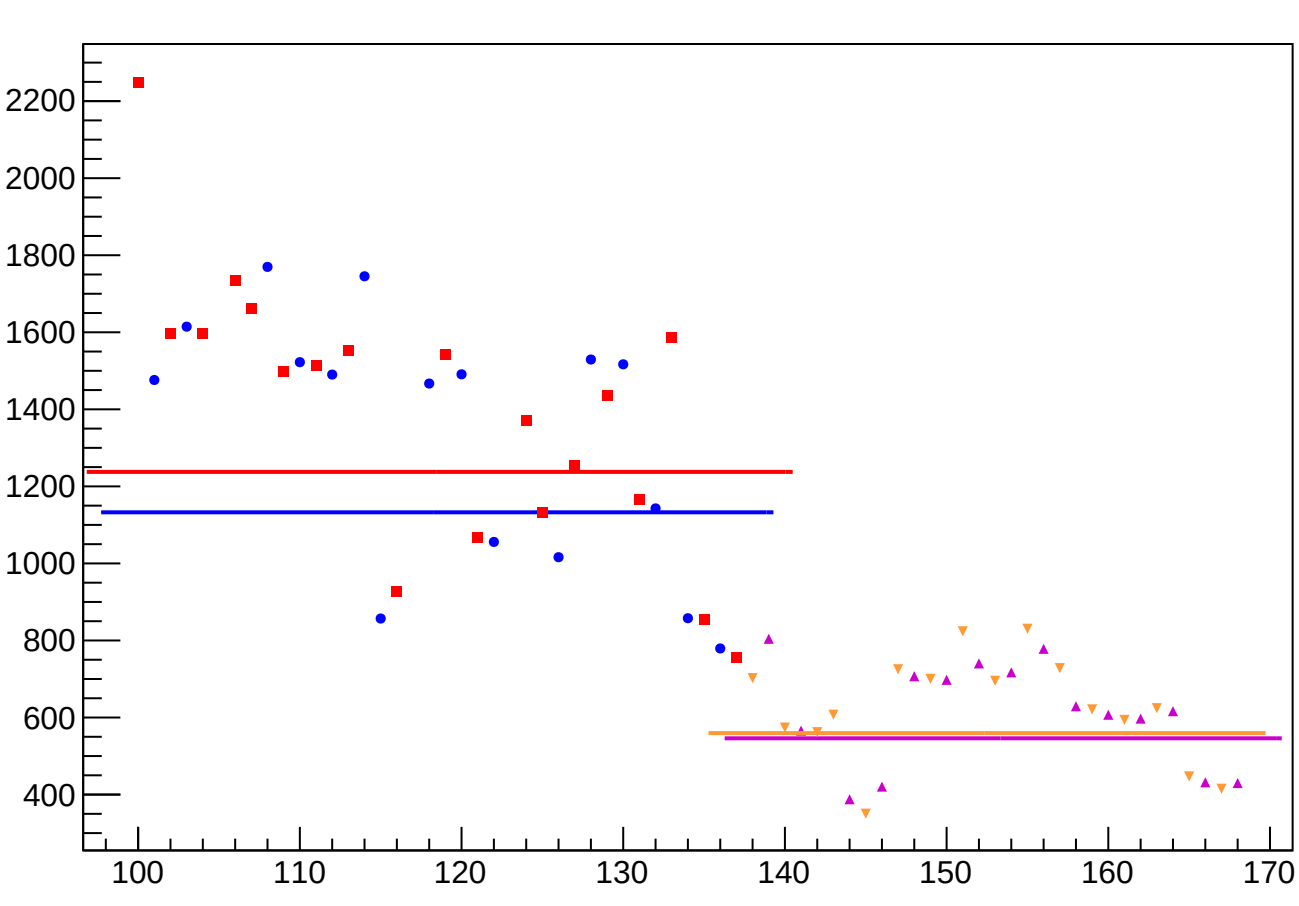
Left: -485.802+/-114.619 χ^2/NDF: 61.8/30

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -217.618+/-150.939 χ^2/NDF:37.8/30

Out: -686.674+/-154.420 χ^2/NDF:58.6/34

All: -446.798+/-107.940 χ^2/NDF: 101.2/65



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597356.8/15

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 546.055+/-0.114 χ^2/NDF:1427812.6/14

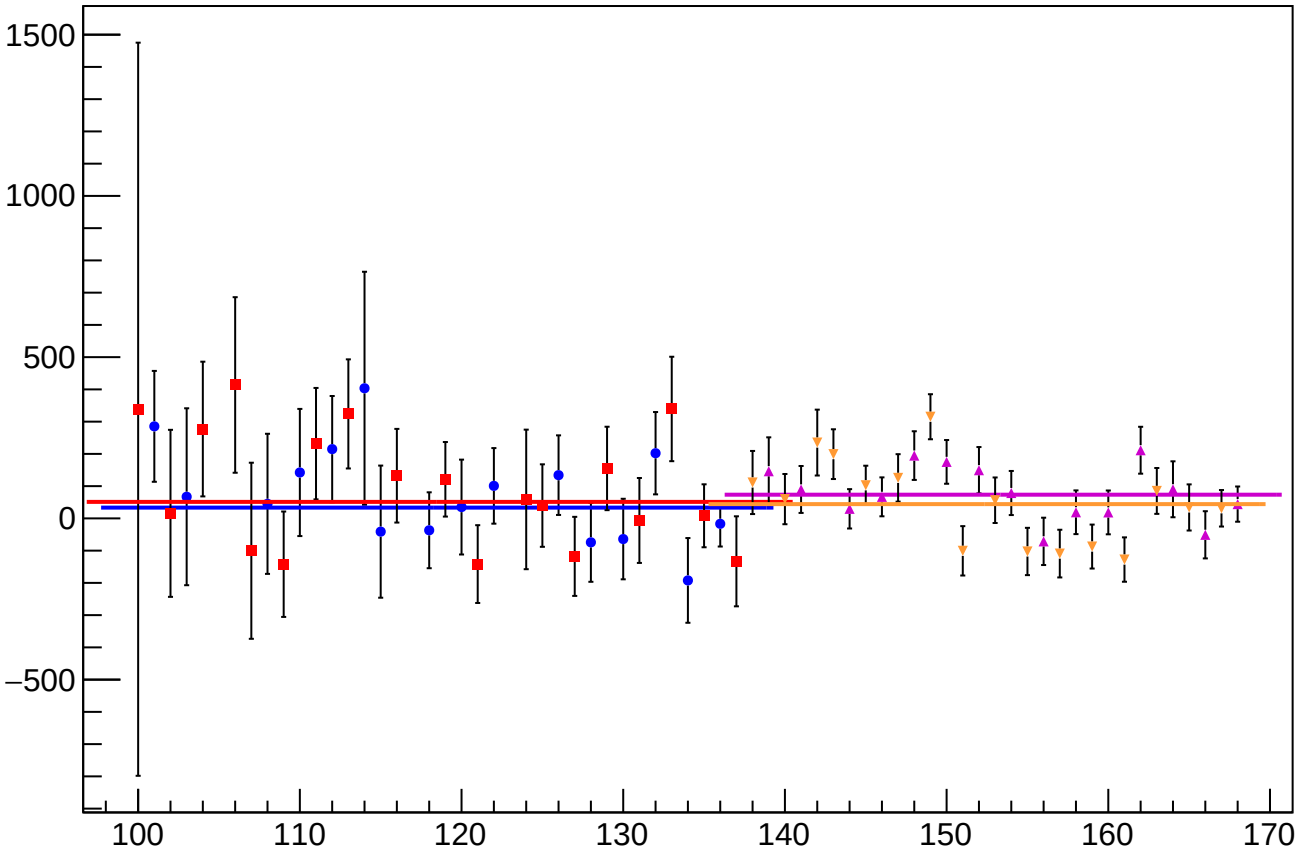
Left: 552.711+/-0.081 χ^2/NDF: 3032162.2/30

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 614.809+/-0.107 χ^2/NDF:5677741.5/30

Out: 633.456+/-0.109 χ^2/NDF:6234378.8/34

All: 623.920+/-0.076 χ^2/NDF: 11927033.8/65



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 73.478+/-17.995 χ^2/NDF:19.0/14

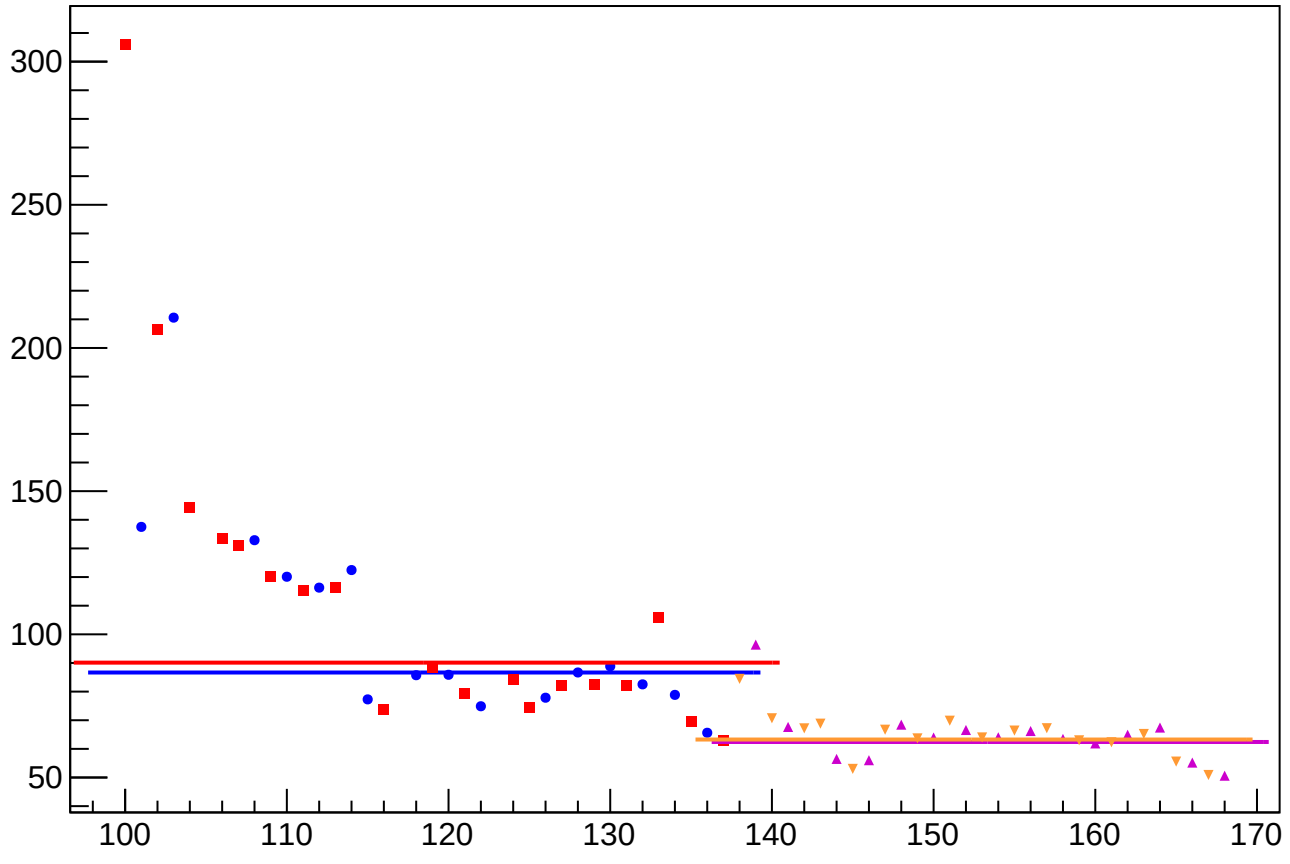
Left: 58.911+/-12.747 χ^2/NDF: 67.9/30

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.665+/-15.893 χ^2/NDF:32.9/30

Out: 45.711+/-16.035 χ^2/NDF:67.1/34

All: 55.272+/-11.288 χ^2/NDF: 100.7/65



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

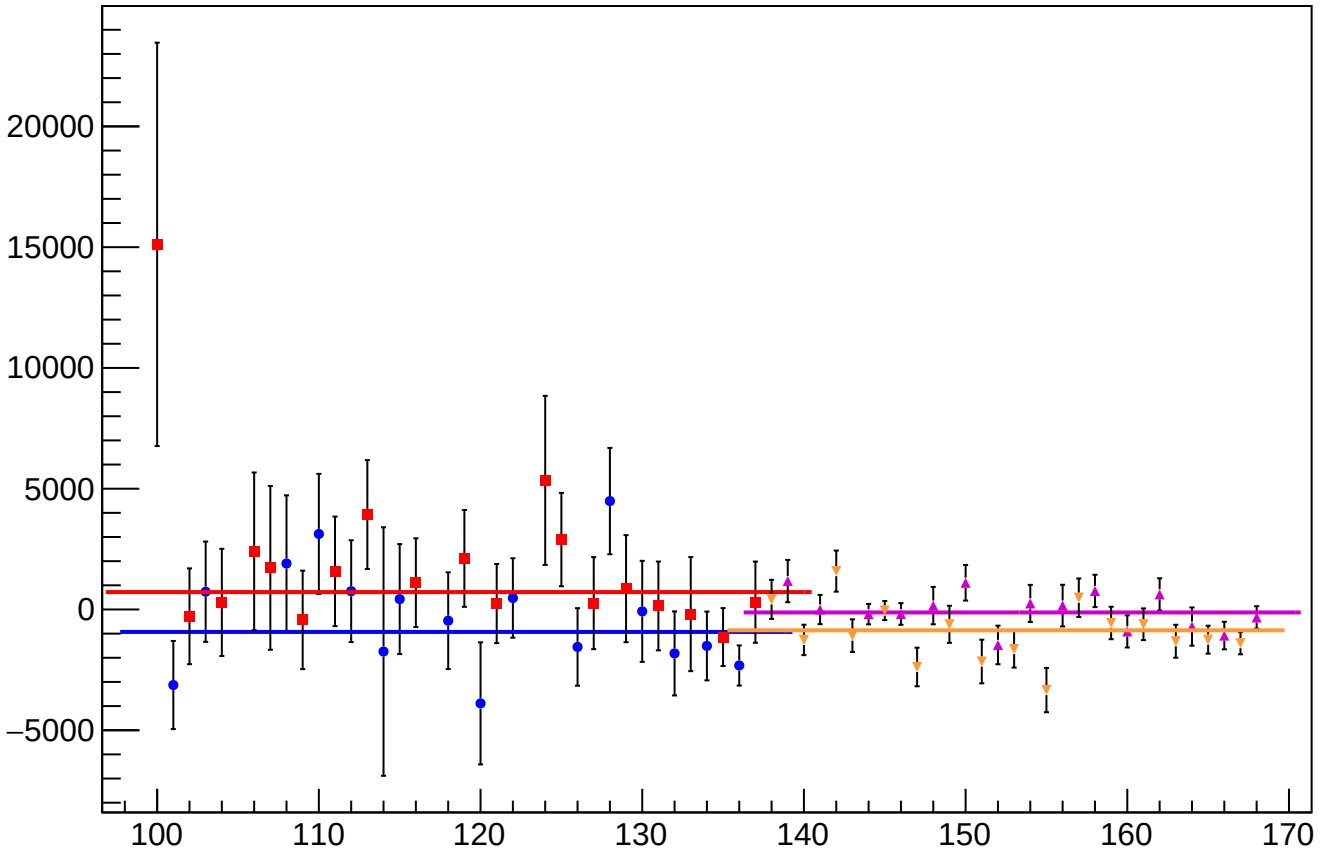
Left: 62.833+/-0.009 χ^2/NDF: 744195.3/30

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 67.745+/-0.011 χ^2/NDF:2248784.9/30

Out: 68.946+/-0.011 χ^2/NDF:2412941.4/34

All: 68.340+/-0.008 χ^2/NDF: 4667388.5/65



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -861.932+/-163.586 χ^2/NDF:35.1/15

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -123.065+/-160.646 χ^2/NDF:16.4/14

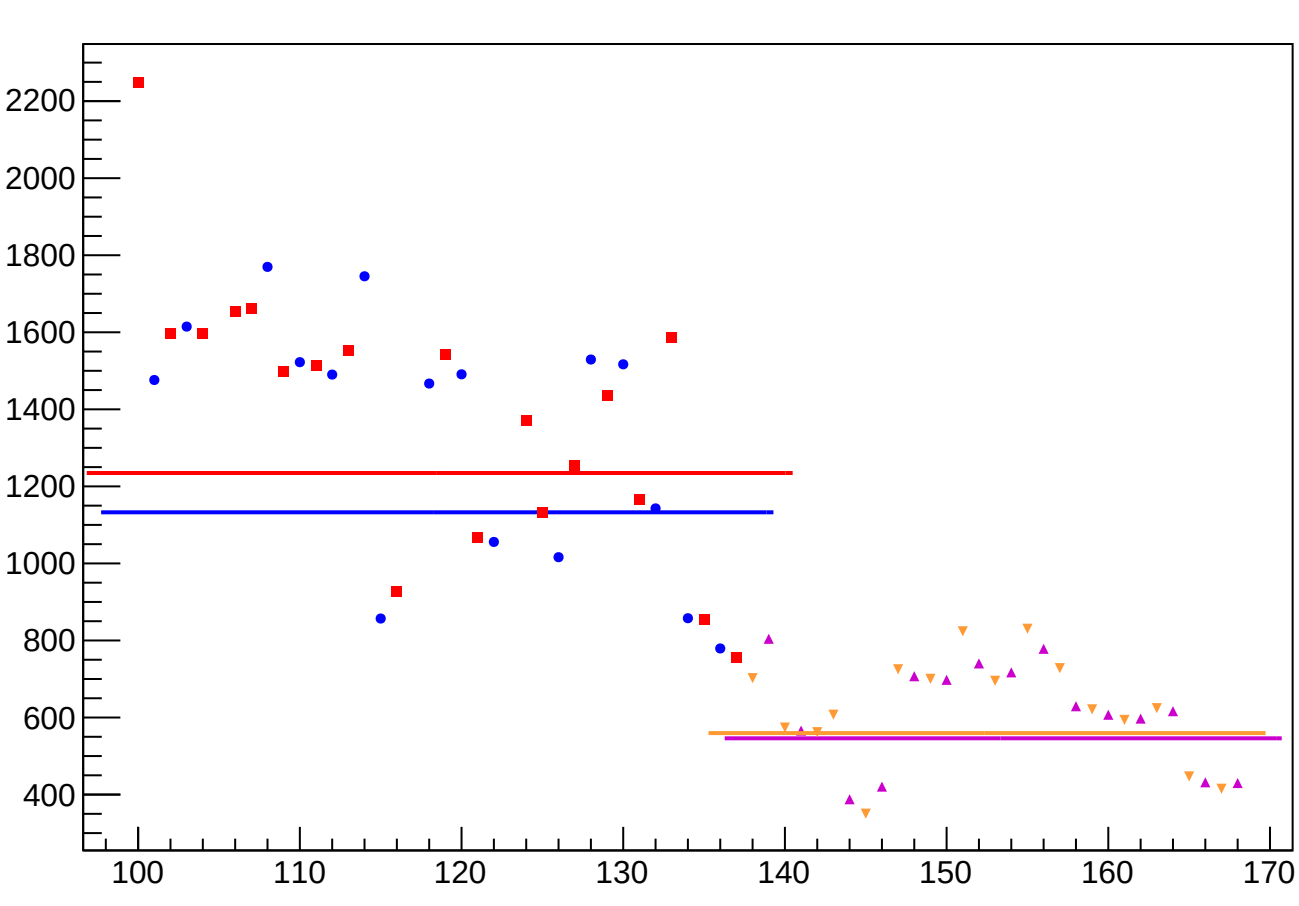
Left: -485.800+/-114.619 χ^2/NDF: 61.8/30

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -217.614+/-150.939 χ^2/NDF:37.8/30

Out: -689.984+/-154.443 χ^2/NDF:57.8/34

All: -448.379+/-107.947 χ^2/NDF: 100.4/65



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 546.055+/-0.114 χ^2/NDF:1427811.1/14

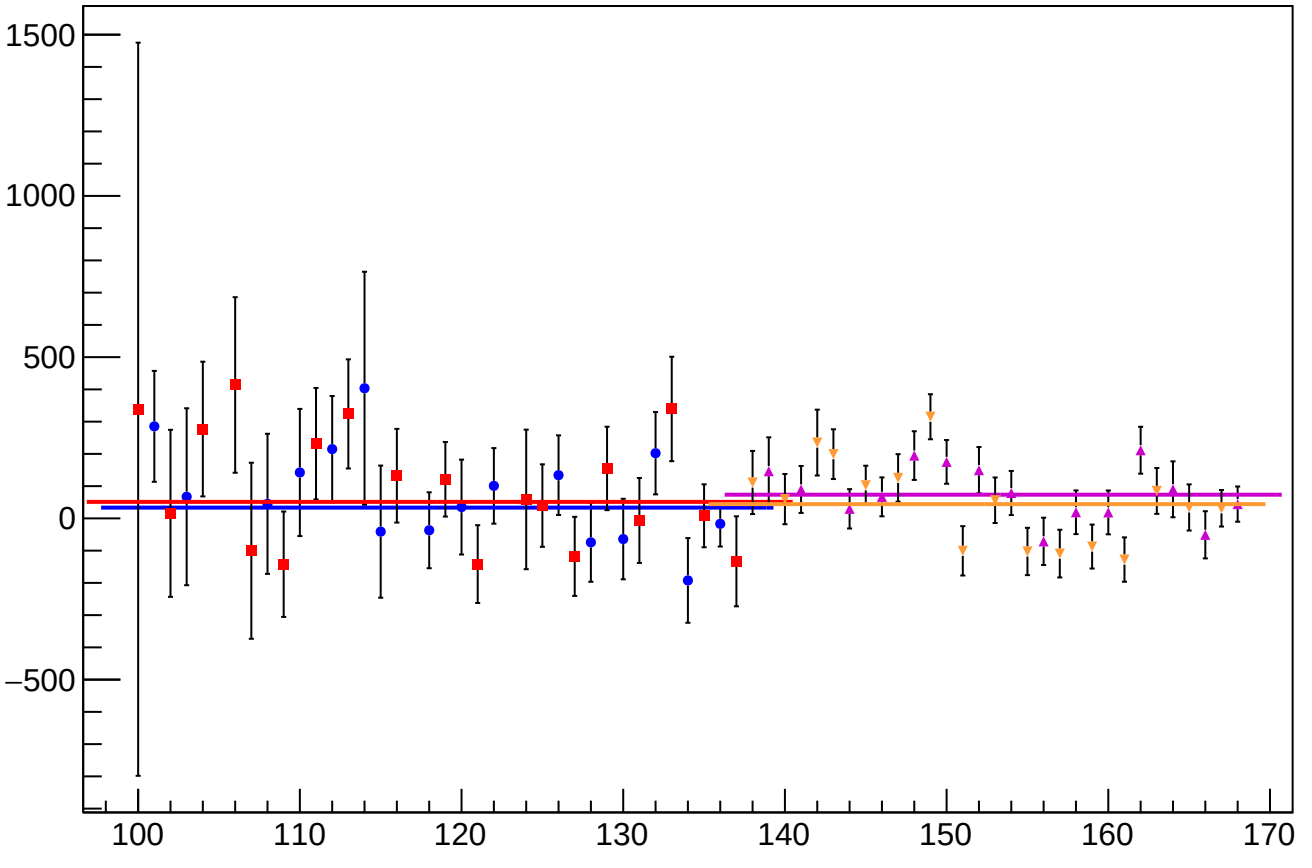
Left: 552.711+/-0.081 χ^2/NDF: 3032164.6/30

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 614.809+/-0.107 χ^2/NDF:5677772.8/30

Out: 632.963+/-0.109 χ^2/NDF:6174605.1/34

All: 623.678+/-0.076 χ^2/NDF: 11866511.9/65



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 44.240+/-18.059 χ^2/NDF:47.5/15

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 73.478+/-17.995 χ^2/NDF:19.0/14

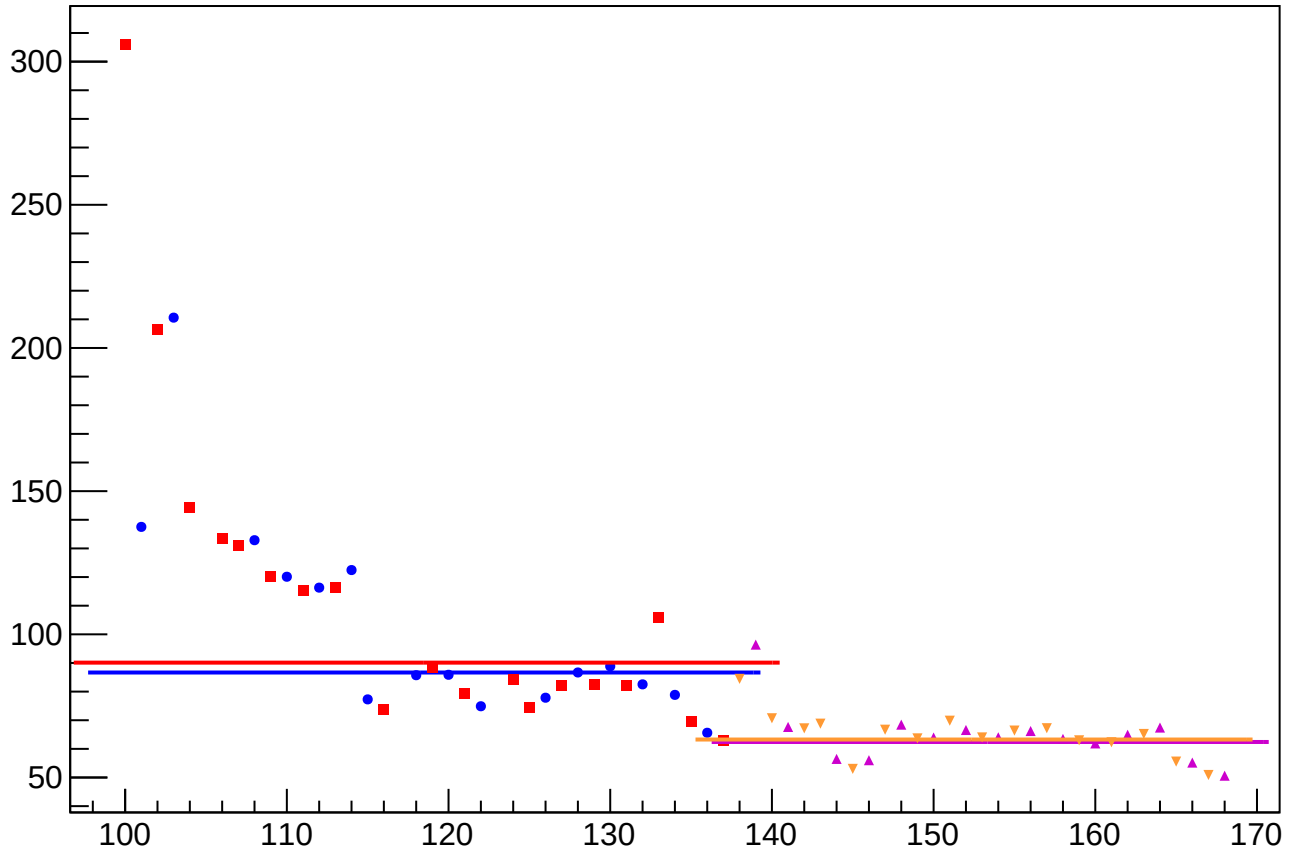
Left: 58.911+/-12.747 χ^2/NDF: 67.9/30

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.665+/-15.893 χ^2/NDF:32.9/30

Out: 45.711+/-16.035 χ^2/NDF:67.1/34

All: 55.272+/-11.288 χ^2/NDF: 100.7/65



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 63.263+/-0.013 χ^2/NDF:331702.0/15

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 62.407+/-0.013 χ^2/NDF:410242.9/14

Left: 62.833+/-0.009 χ^2/NDF: 744195.3/30

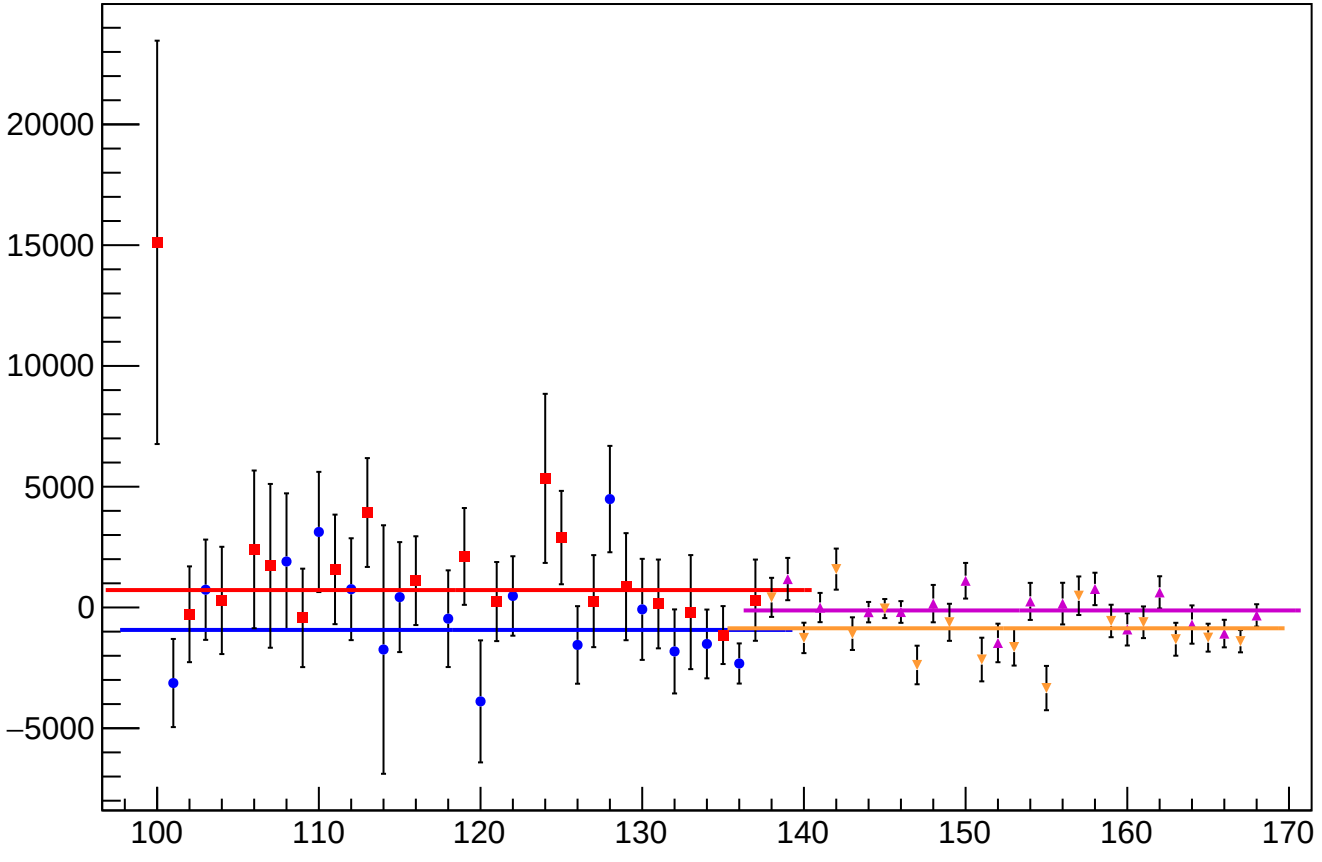
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 67.745+/-0.011 χ^2/NDF:2248784.9/30

Out: 68.946+/-0.011 χ^2/NDF:2412941.4/34

All: 68.340+/-0.008 χ^2/NDF: 4667388.5/65

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: -861.932+/-163.586 χ^2/NDF:35.1/15

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -123.065+/-160.646 χ^2/NDF:16.4/14

Left: -485.800+/-114.619 χ^2/NDF: 61.8/30

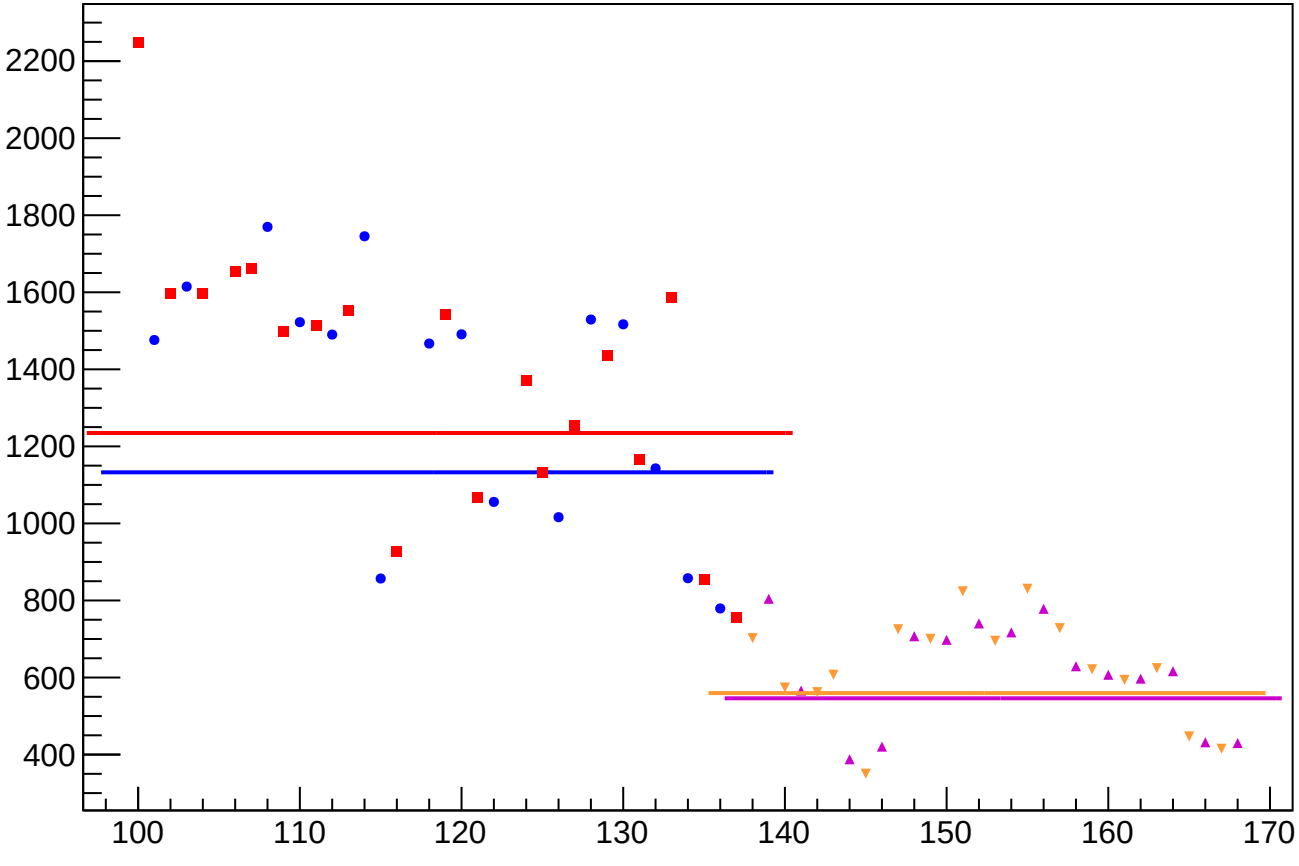
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -217.614+/-150.939 χ^2/NDF:37.8/30

Out: -689.984+/-154.443 χ^2/NDF:57.8/34

All: -448.379+/-107.947 χ^2/NDF: 100.4/65

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 559.612+/-0.116 χ^2/NDF:1597361.2/15

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 546.055+/-0.114 χ^2/NDF:1427811.1/14

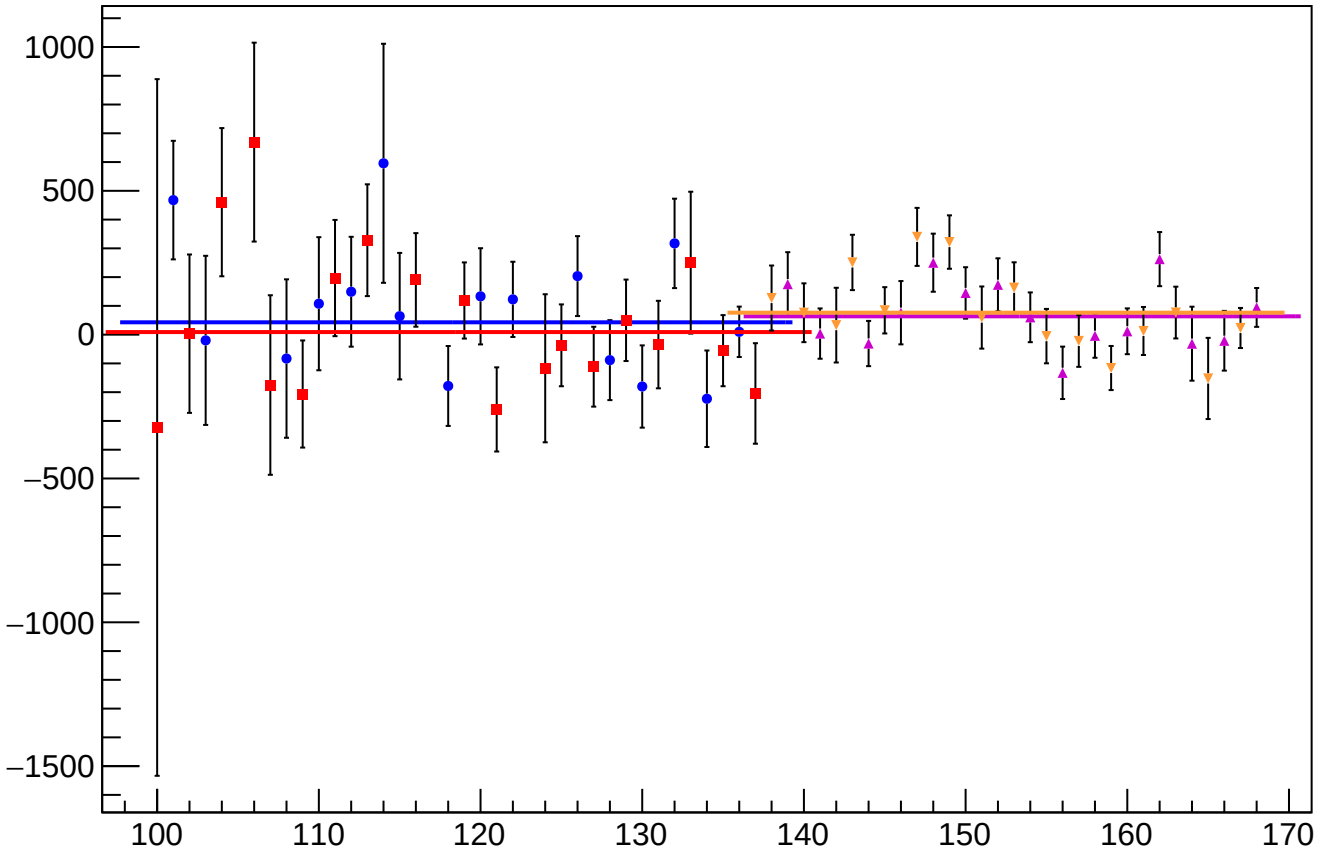
Left: 552.711+/-0.081 χ^2/NDF: 3032164.6/30

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 614.809+/-0.107 χ^2/NDF:5677772.8/30

Out: 632.963+/-0.109 χ^2/NDF:6174605.1/34

All: 623.678+/-0.076 χ^2/NDF: 11866511.9/65



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.441+/-23.236 χ^2/NDF:30.5/15

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 63.717+/-23.147 χ^2/NDF:20.4/14

Left: 70.055+/-16.399 χ^2/NDF: 51.0/30

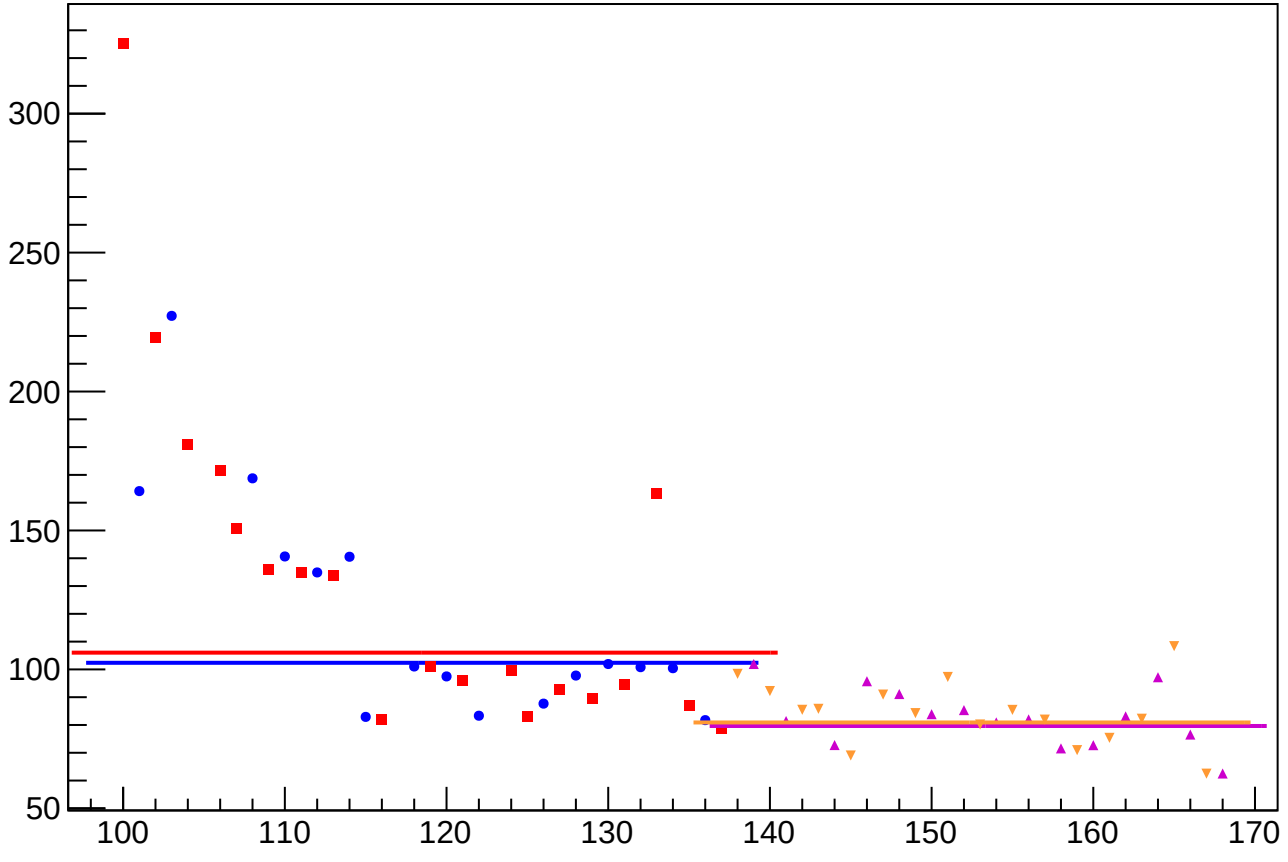
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.488+/-20.028 χ^2/NDF:40.9/30

Out: 60.080+/-20.222 χ^2/NDF:53.8/34

All: 59.276+/-14.230 χ^2/NDF: 94.7/65

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 80.906+/-0.016 χ^2/NDF:455701.8/15

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 79.639+/-0.016 χ^2/NDF:386912.4/14

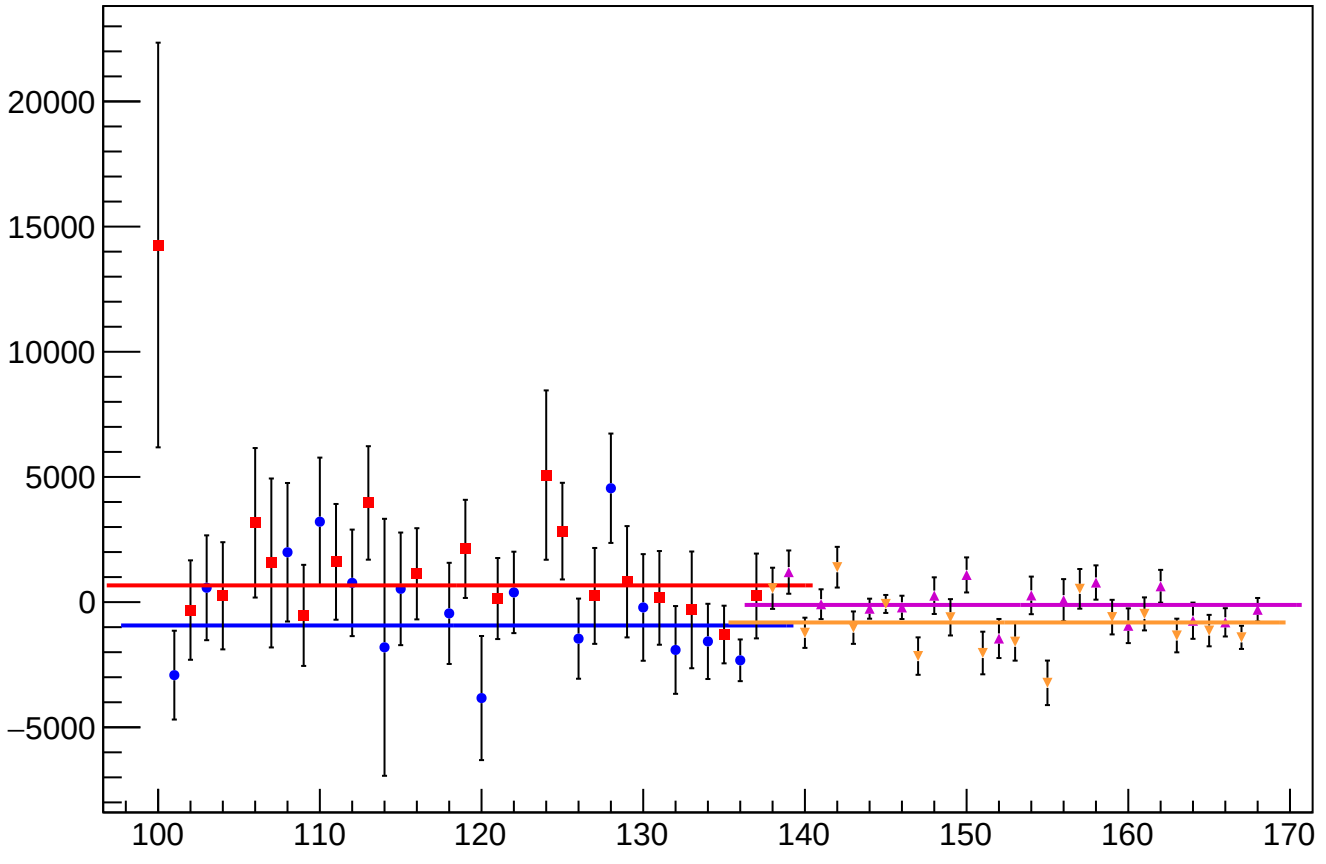
Left: 80.270+/-0.012 χ^2/NDF: 845597.8/30

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 85.355+/-0.014 χ^2/NDF:1854370.4/30

Out: 87.001+/-0.014 χ^2/NDF:2214288.4/34

All: 86.170+/-0.010 χ^2/NDF: 4075348.0/65



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.566+/-159.405 χ^2/NDF:34.4/15

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -112.258+/-158.382 χ^2/NDF:15.8/14

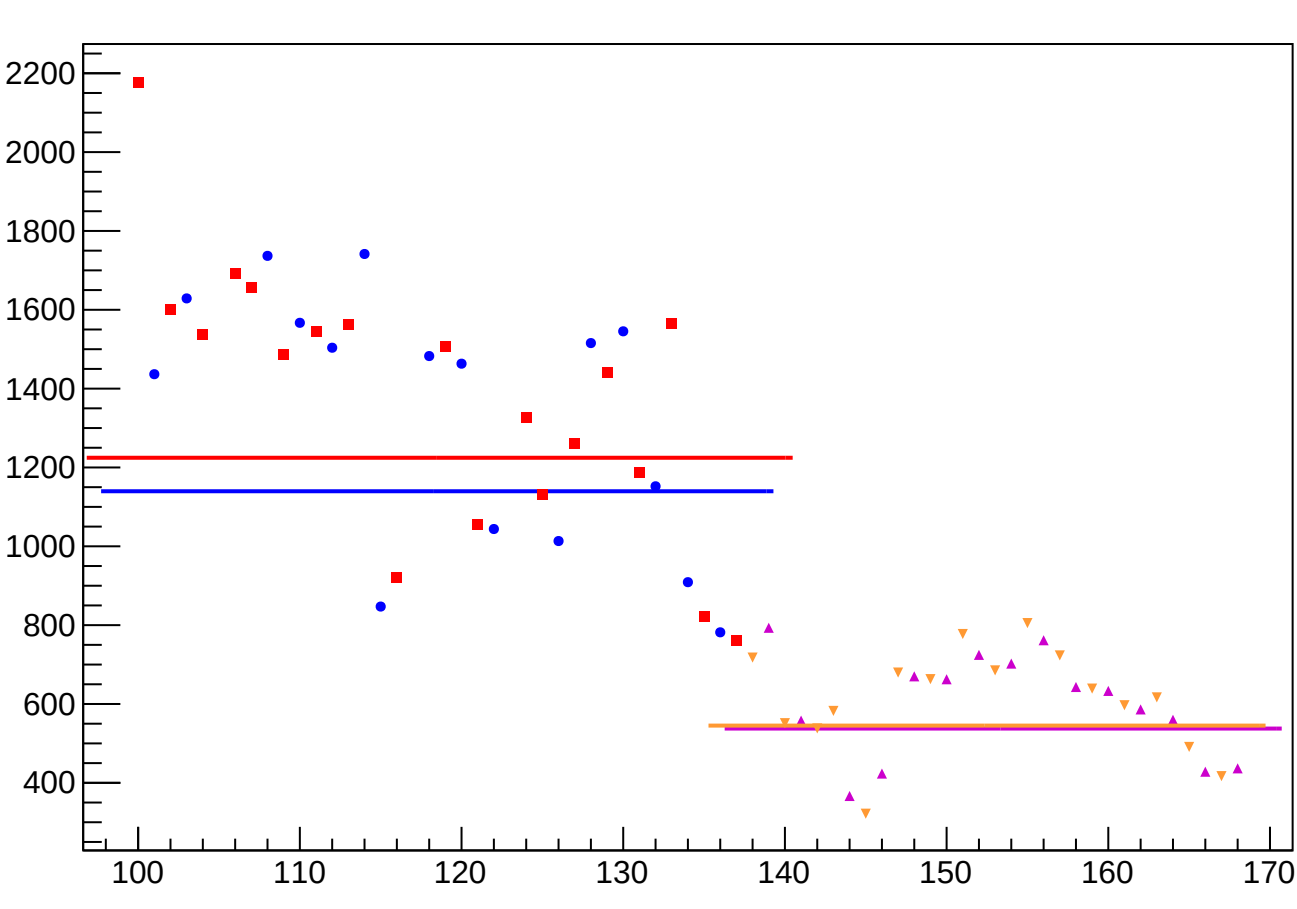
Left: -460.157+/-112.353 χ^2/NDF: 60.0/30

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -205.309+/-149.126 χ^2/NDF:37.3/30

Out: -655.741+/-150.729 χ^2/NDF:57.0/34

All: -428.117+/-106.010 χ^2/NDF: 98.9/65



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 545.175+/-0.113 χ^2/NDF:1716712.0/15

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 537.654+/-0.112 χ^2/NDF:1410919.6/14

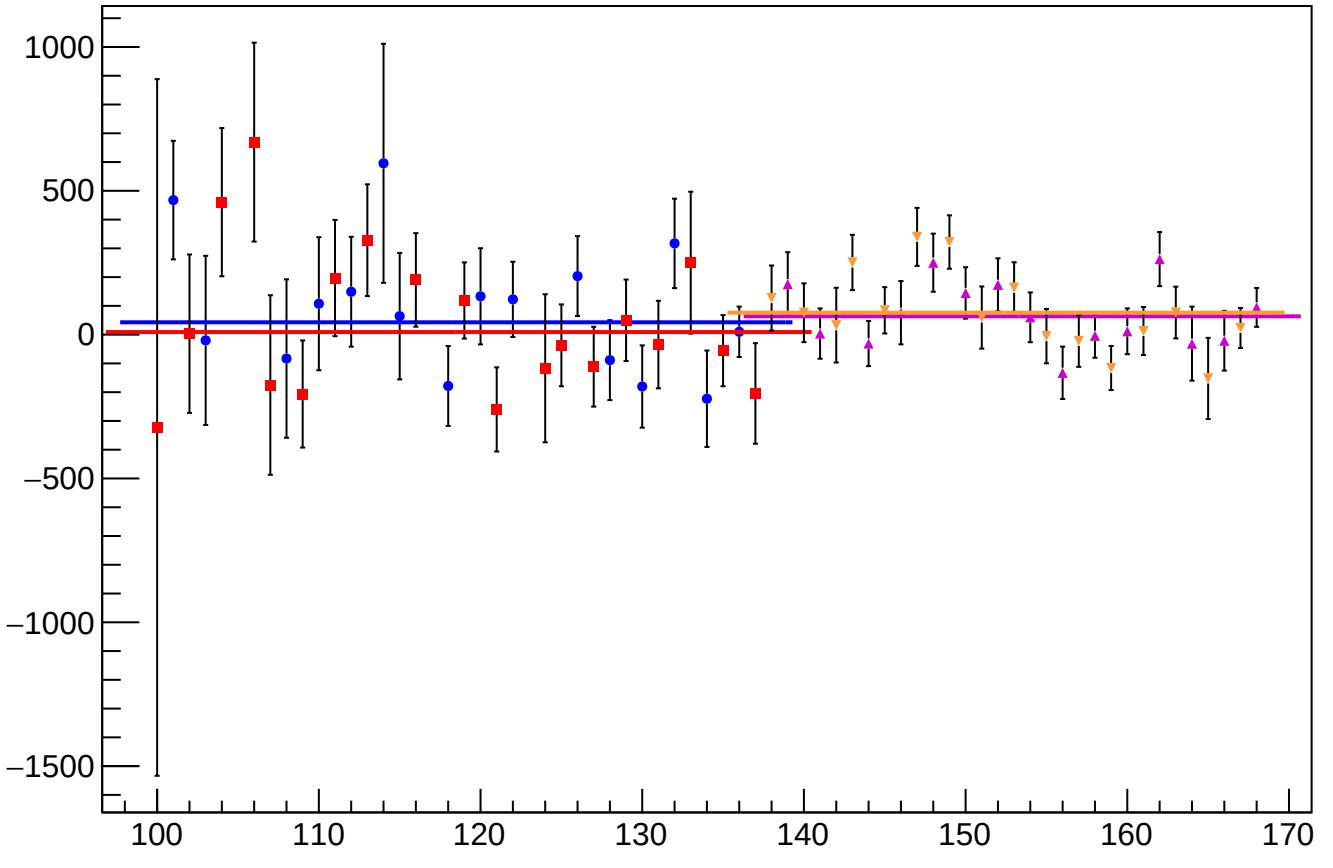
Left: 541.390+/-0.079 χ^2/NDF: 3129871.7/30

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 605.957+/-0.105 χ^2/NDF:5782710.8/30

Out: 617.119+/-0.107 χ^2/NDF:6486730.0/34

All: 611.479+/-0.075 χ^2/NDF: 12274983.6/65



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 76.442+/-23.236 χ^2/NDF:30.5/15

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 63.715+/-23.147 χ^2/NDF:20.4/14

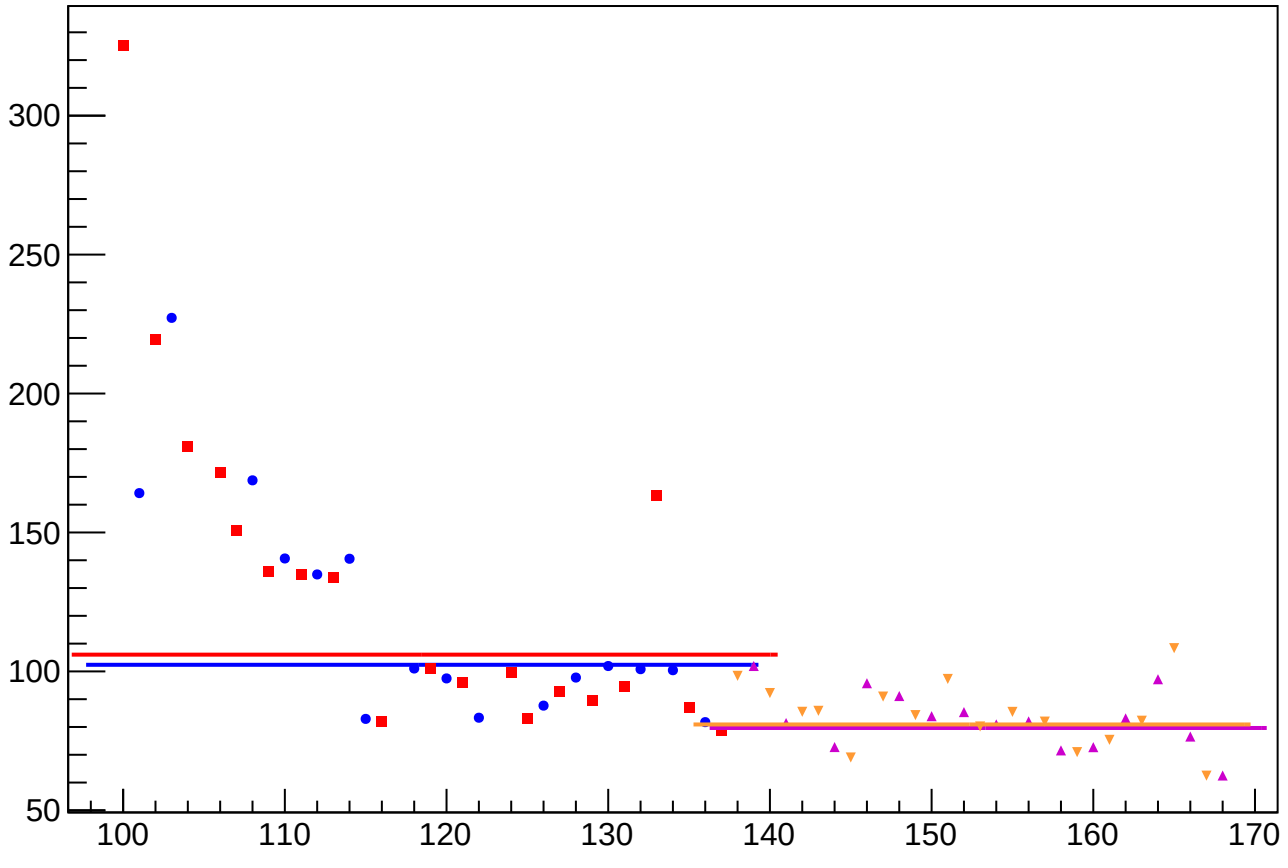
Left: 70.054+/-16.399 χ^2/NDF: 51.0/30

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.487+/-20.028 χ^2/NDF:40.9/30

Out: 60.079+/-20.222 χ^2/NDF:53.8/34

All: 59.275+/-14.230 χ^2/NDF: 94.7/65



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 80.906+/-0.016 χ^2/NDF:455698.7/15

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 79.639+/-0.016 χ^2/NDF:386910.8/14

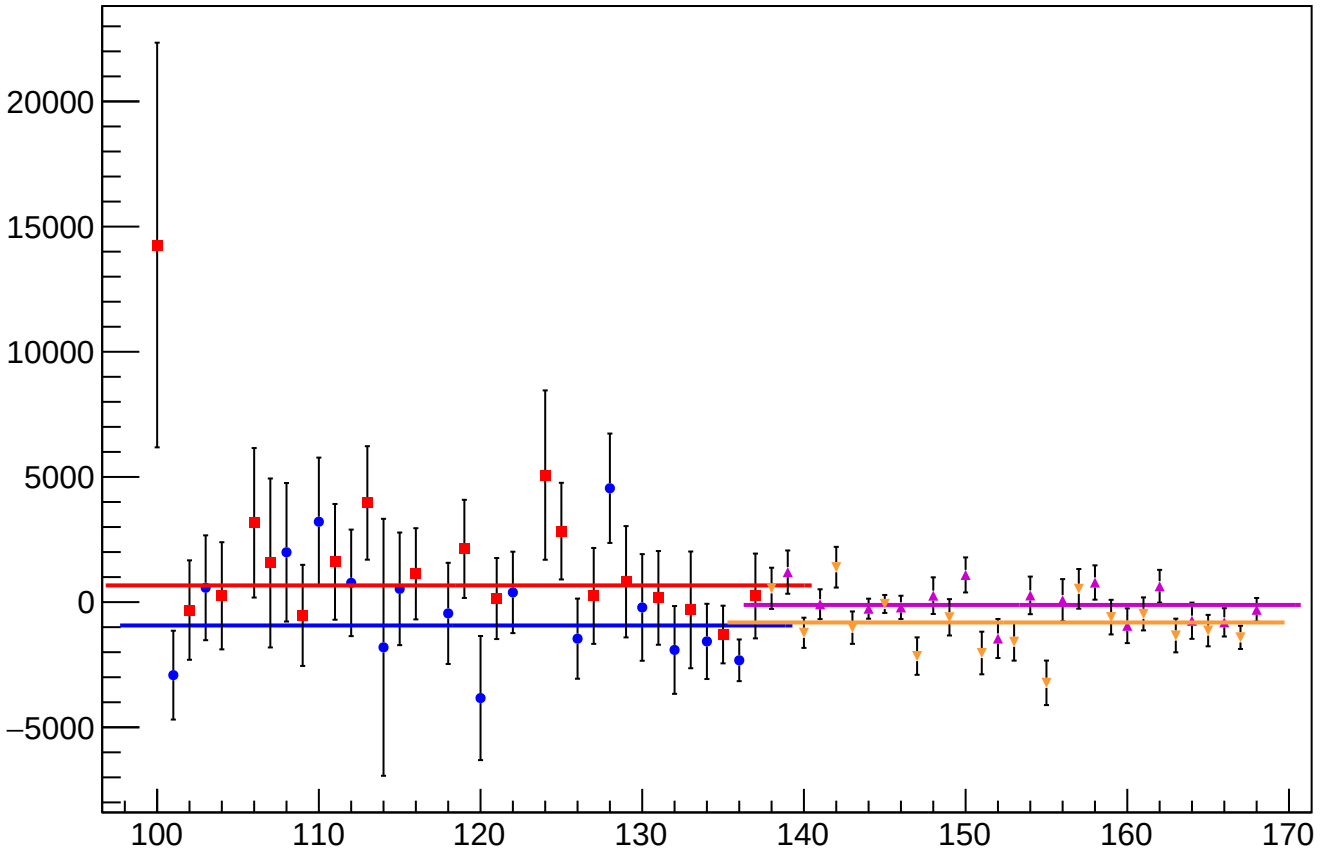
Left: 80.270+/-0.012 χ^2/NDF: 845592.9/30

Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 85.355+/-0.014 χ^2/NDF:1854341.9/30

Out: 87.001+/-0.014 χ^2/NDF:2214271.9/34

All: 86.170+/-0.010 χ^2/NDF: 4075302.9/65



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -812.565+/-159.404 χ^2/NDF:34.4/15

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -112.259+/-158.381 χ^2/NDF:15.8/14

Left: -460.157+/-112.352 χ^2/NDF: 60.0/30

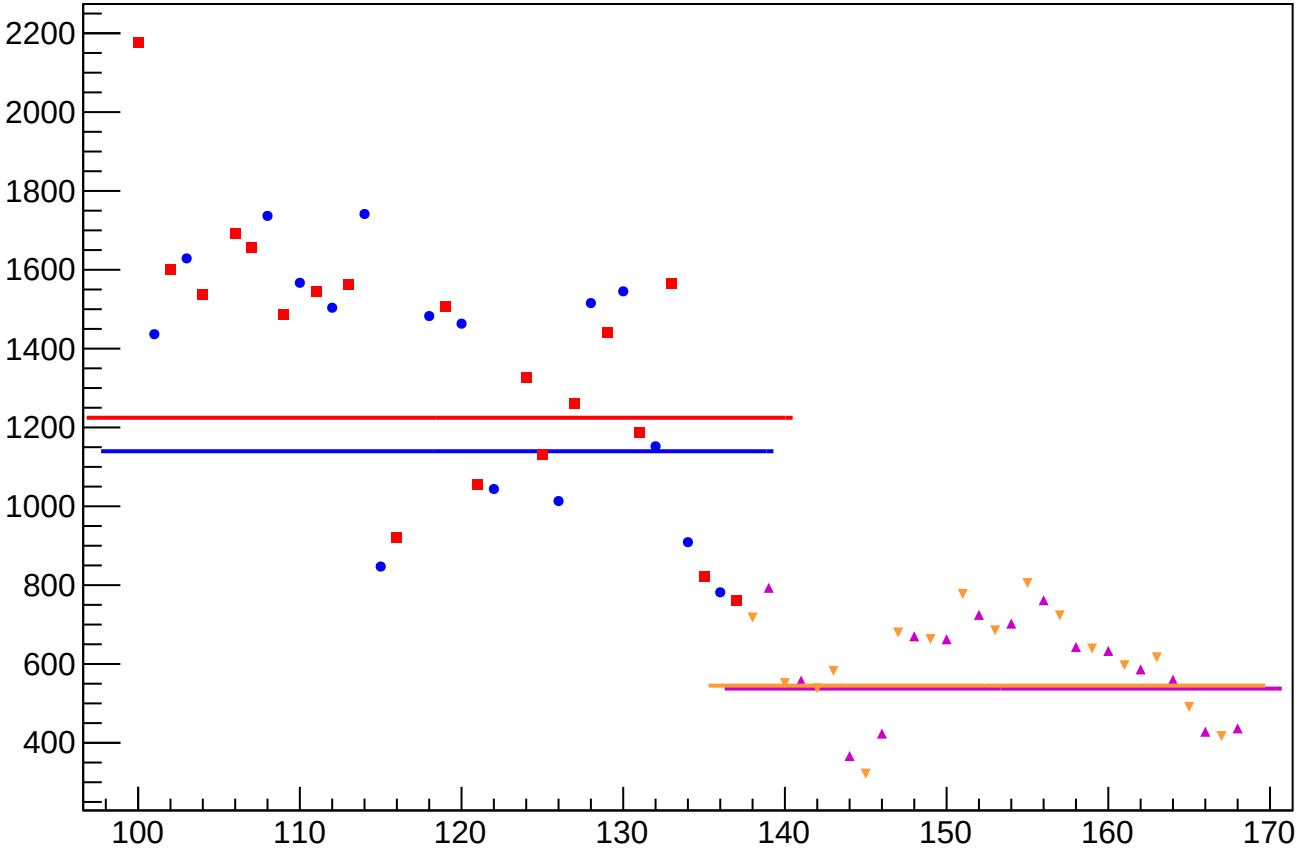
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -205.309+/-149.126 χ^2/NDF:37.3/30

Out: -655.740+/-150.729 χ^2/NDF:57.0/34

All: -428.116+/-106.010 χ^2/NDF: 98.9/65

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: 545.174+/-0.113 χ^2/NDF:1716726.8/15

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 537.654+/-0.112 χ^2/NDF:1410920.8/14

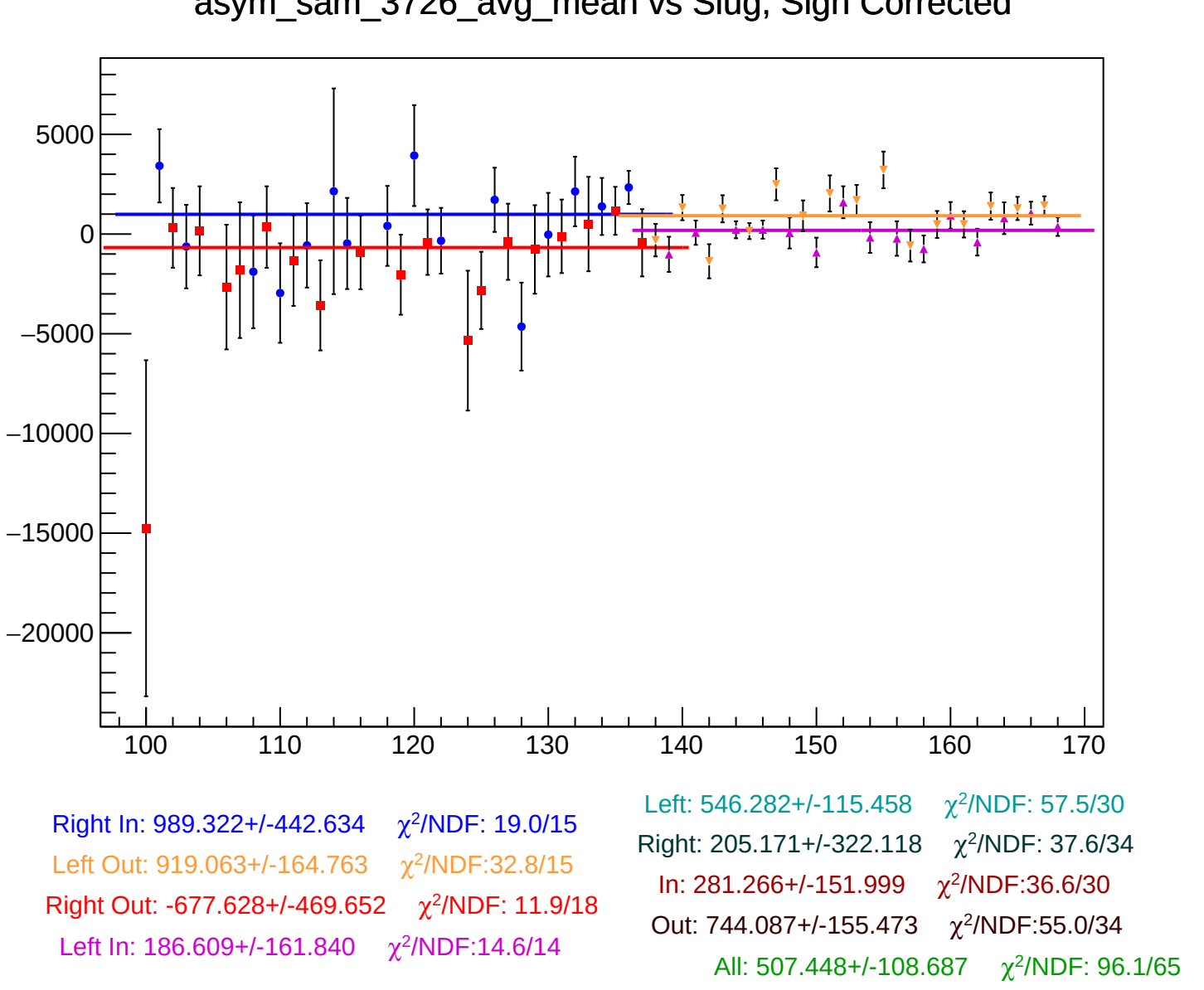
Left: 541.390+/-0.079 χ^2/NDF: 3129887.4/30

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

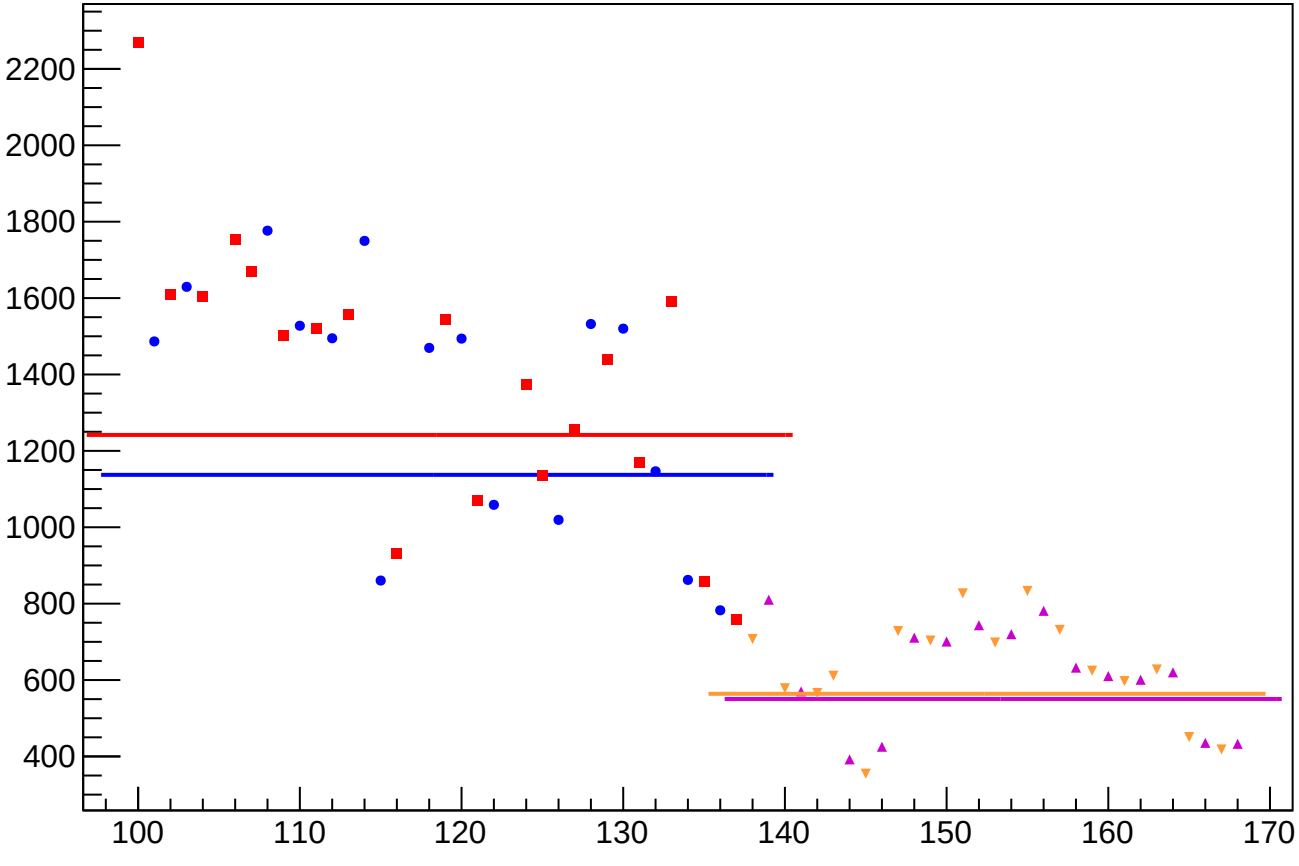
In: 605.957+/-0.105 χ^2/NDF:5782699.4/30

Out: 617.118+/-0.107 χ^2/NDF:6486737.7/34

All: 611.478+/-0.075 χ^2/NDF: 12274979.4/65


asym_sam_3726_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 989.322+/-442.634 χ²/NDF: 19.0/15
Left Out: 919.063+/-164.763 χ²/NDF:32.8/15
Right Out: -677.628+/-469.652 χ²/NDF: 11.9/18
Left In: 186.609+/-161.840 χ²/NDF:14.6/14
Left: 546.282+/-115.458 χ²/NDF: 57.5/30
Right: 205.171+/-322.118 χ²/NDF: 37.6/34
In: 281.266+/-151.999 χ²/NDF:36.6/30
Out: 744.087+/-155.473 χ²/NDF:55.0/34
All: 507.448+/-108.687 χ²/NDF: 96.1/65

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 563.994+/-0.117 χ^2/NDF:1566978.6/15

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 550.430+/-0.114 χ^2/NDF:1402191.6/14

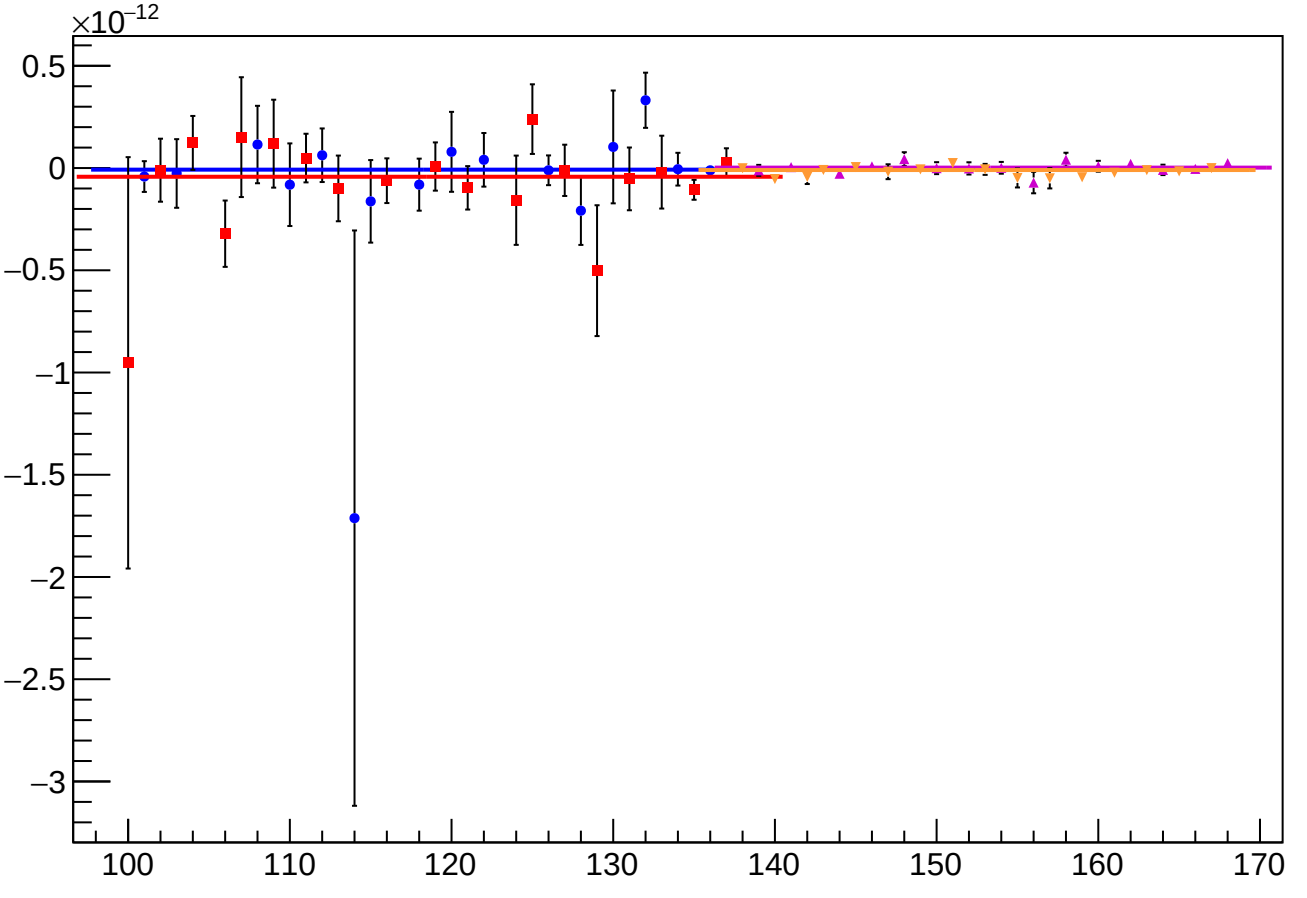
Left: 557.091+/-0.082 χ^2/NDF: 2976069.5/30

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 619.624+/-0.107 χ^2/NDF:5626242.7/30

Out: 638.263+/-0.110 χ^2/NDF:6174598.5/34

All: 628.733+/-0.077 χ^2/NDF: 11815537.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/14

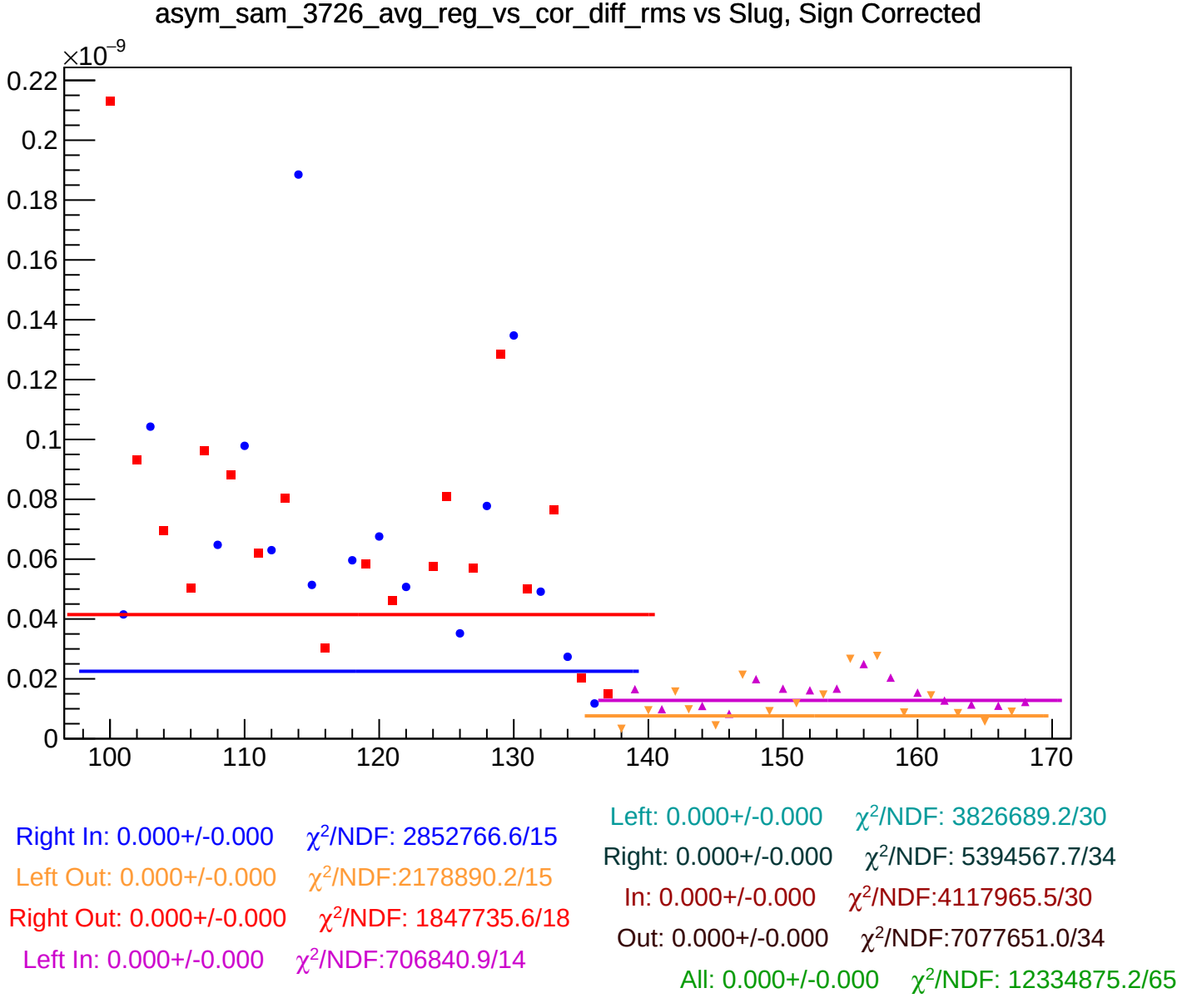
Left: -0.000+/-0.000 χ^2/NDF: 31.5/30

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

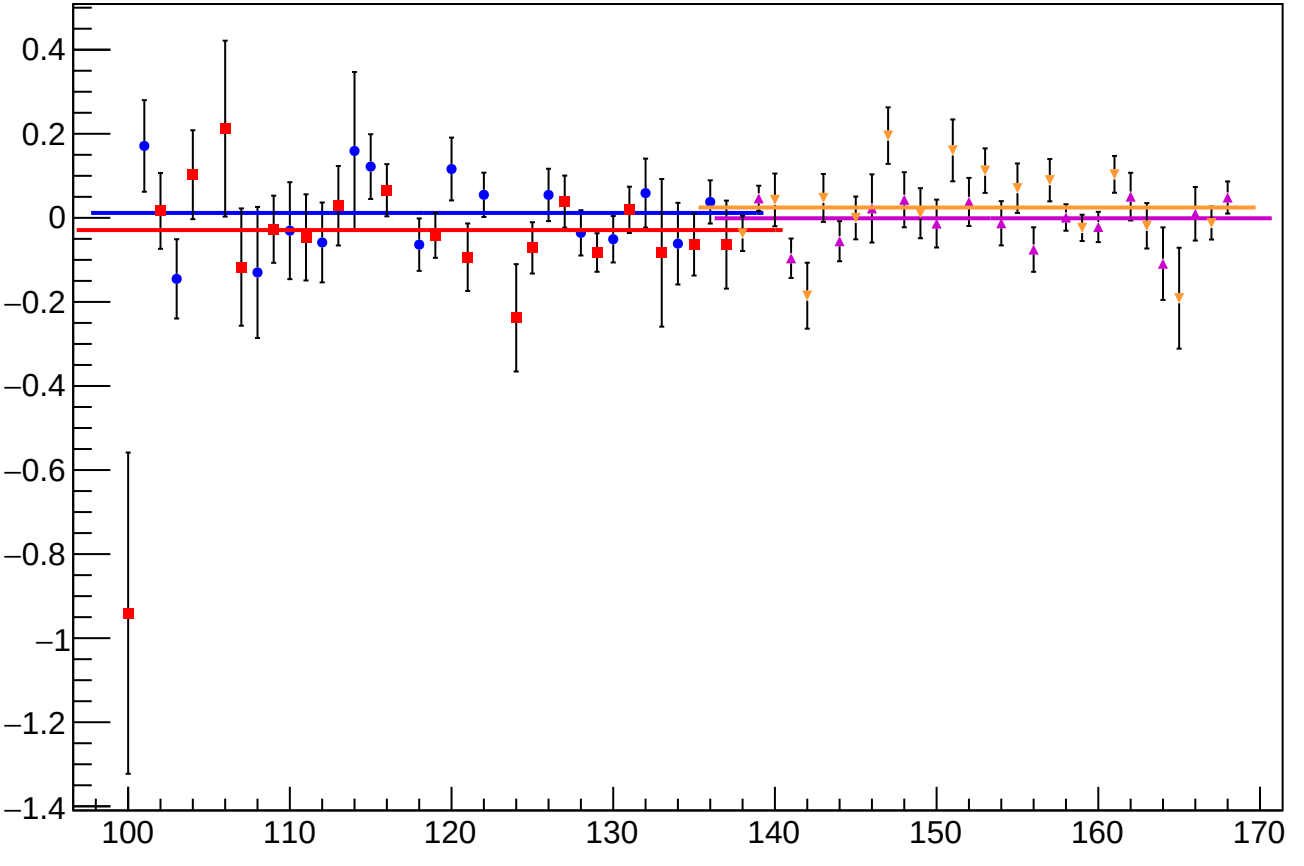
In: 0.000+/-0.000 χ^2/NDF:22.4/30

Out: -0.000+/-0.000 χ^2/NDF:35.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.6/65


asym_sam_3726_avg_reg_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
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2178890.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:706840.9/14
Left: 0.000+/-0.000 χ²/NDF: 3826689.2/30
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:4117965.5/30
Out: 0.000+/-0.000 χ²/NDF:7077651.0/34
All: 0.000+/-0.000 χ²/NDF: 12334875.2/65

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.012 χ^2/NDF:15.4/14

Left: 0.011+/-0.009 χ^2/NDF: 52.6/30

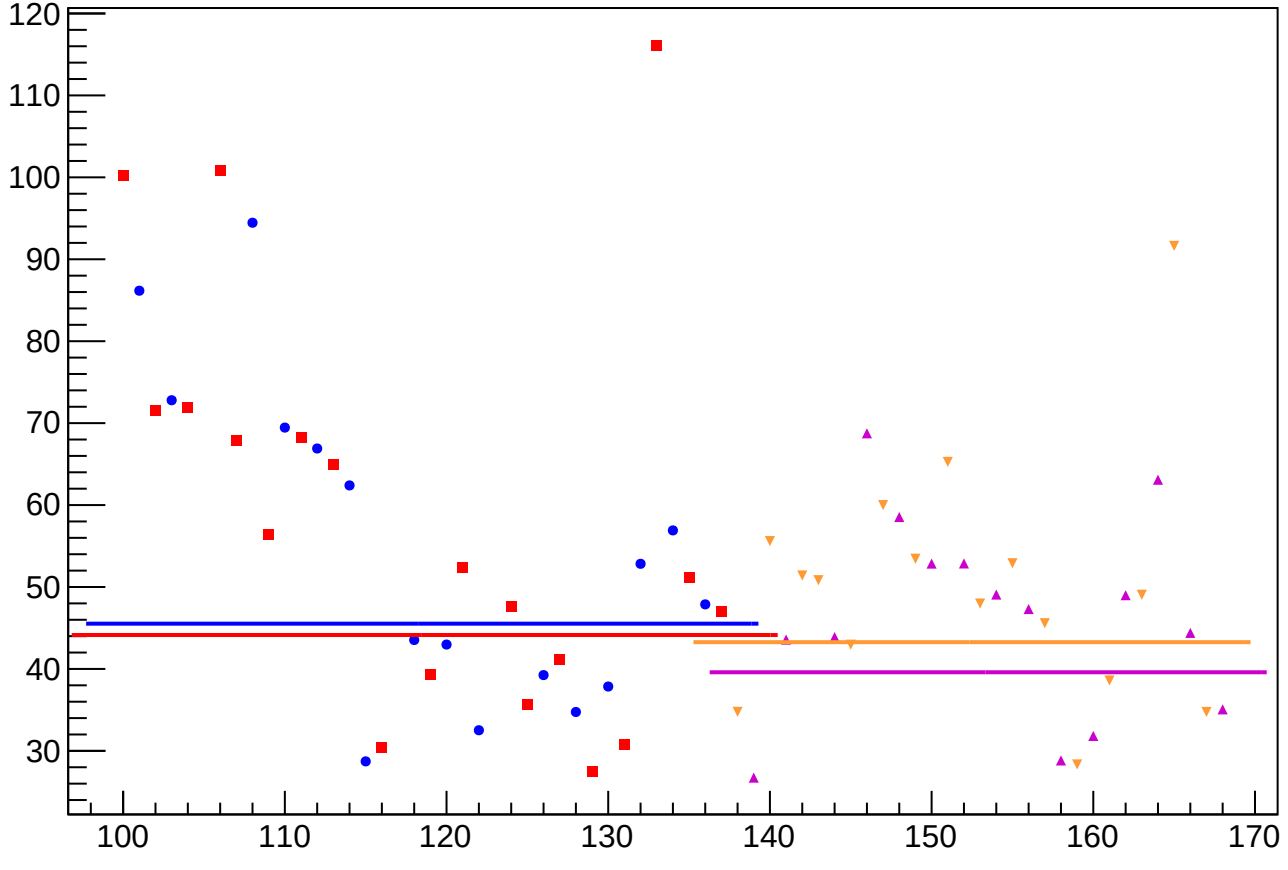
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.010 χ^2/NDF:32.6/30

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.004+/-0.007 χ^2/NDF: 93.3/65

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.594+/-0.009 χ^2/NDF:1715258.6/14

Left: 41.307+/-0.006 χ^2/NDF: 3371227.4/30

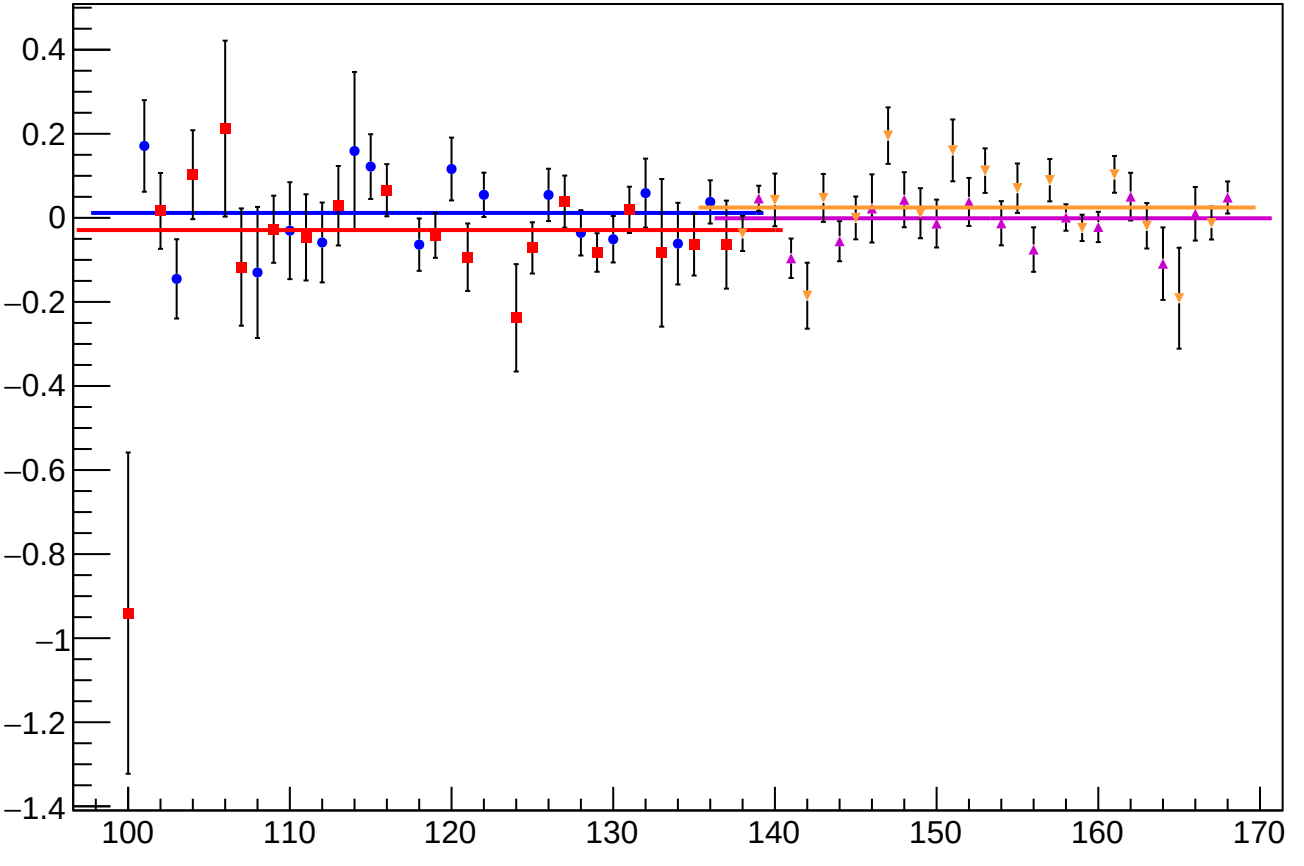
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.388+/-0.007 χ^2/NDF:3115472.0/30

Out: 43.566+/-0.007 χ^2/NDF:3316082.5/34

All: 42.436+/-0.005 χ^2/NDF: 6476516.5/65

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.012 χ^2/NDF:15.4/14

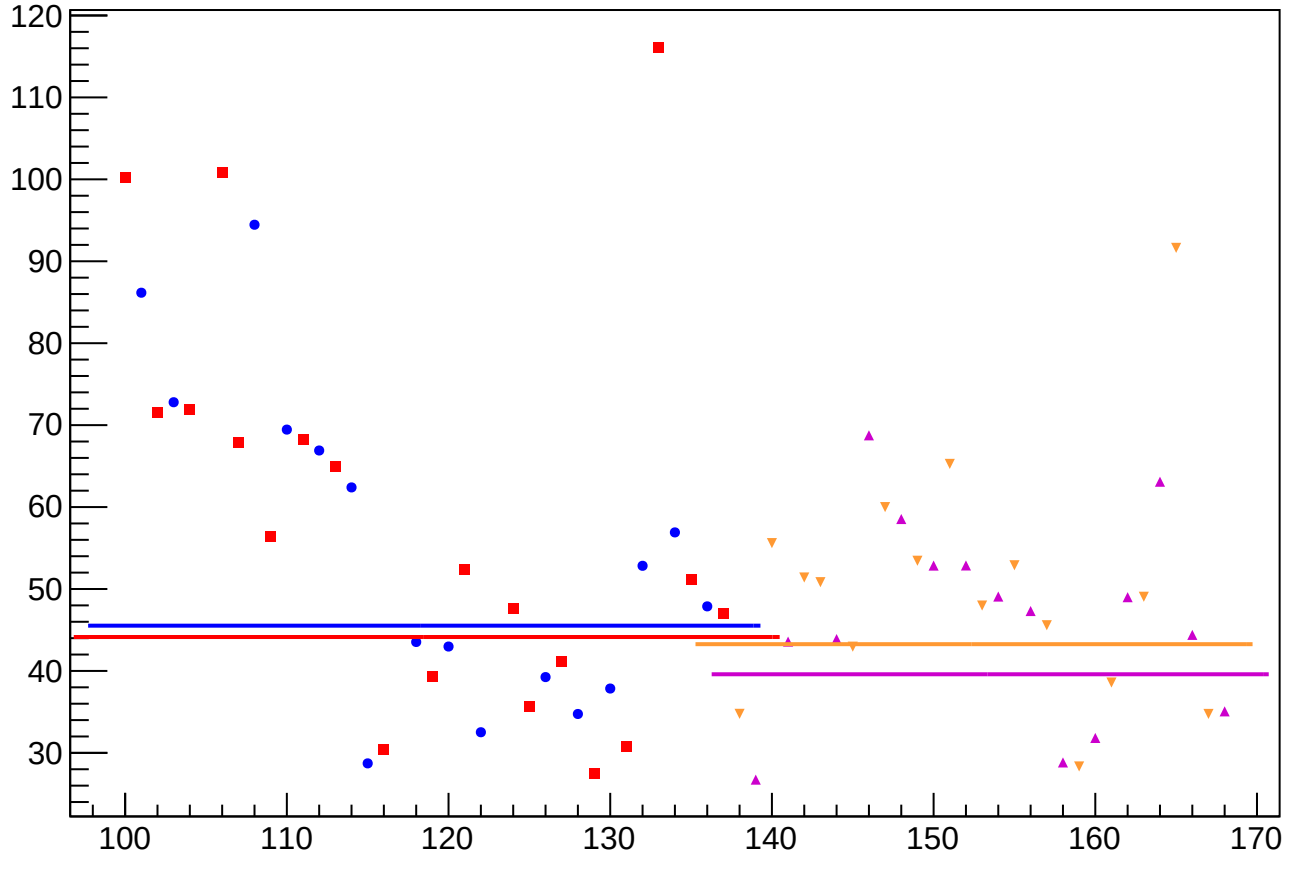
Left: 0.011+/-0.009 χ^2/NDF: 52.6/30

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.010 χ^2/NDF:32.6/30

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.004+/-0.007 χ^2/NDF: 93.3/65



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569504.4/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.594+/-0.009 χ^2/NDF:1715258.6/14

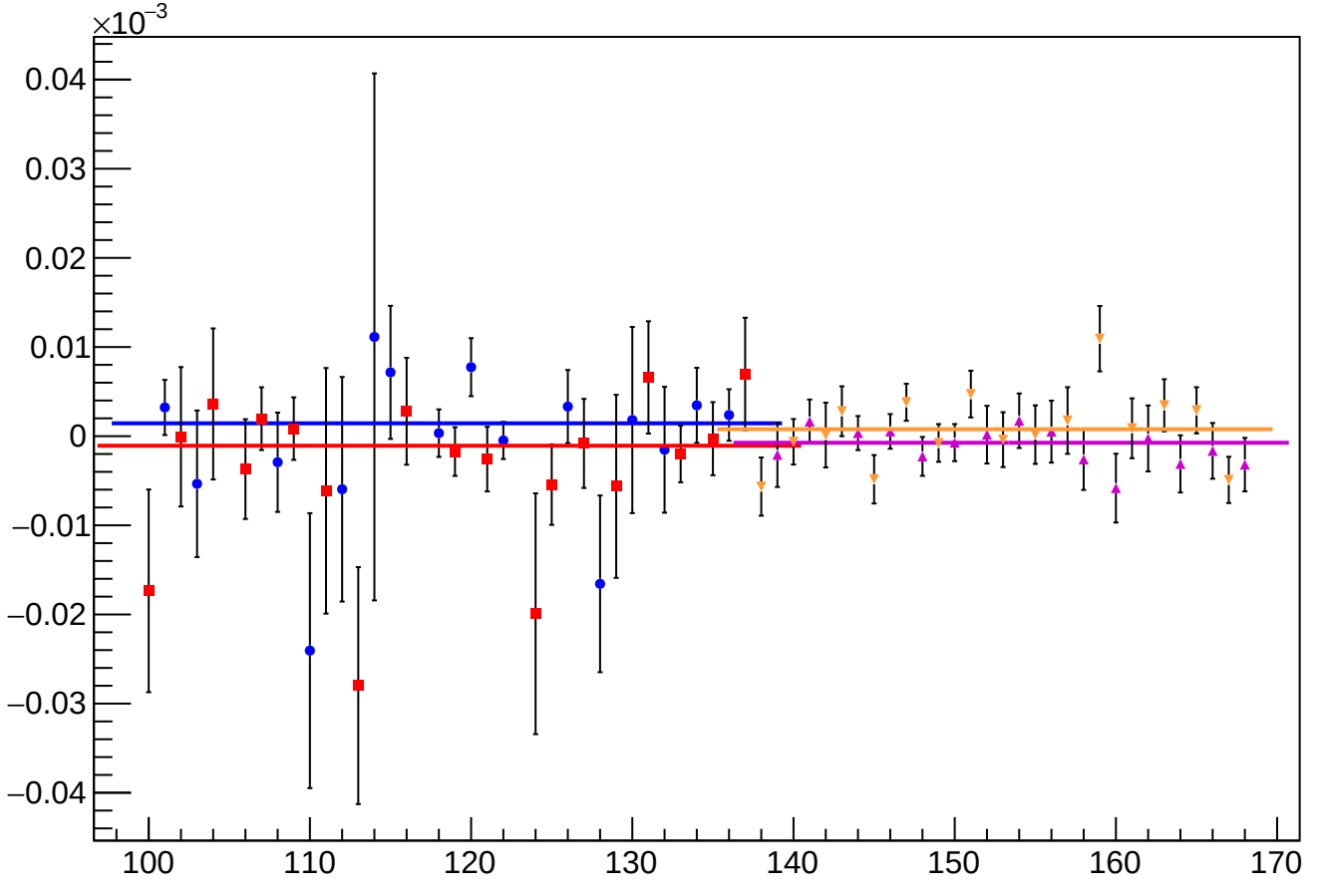
Left: 41.307+/-0.006 χ^2/NDF: 3371227.4/30

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.388+/-0.007 χ^2/NDF:3115472.0/30

Out: 43.566+/-0.007 χ^2/NDF:3316082.5/34

All: 42.436+/-0.005 χ^2/NDF: 6476516.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/14

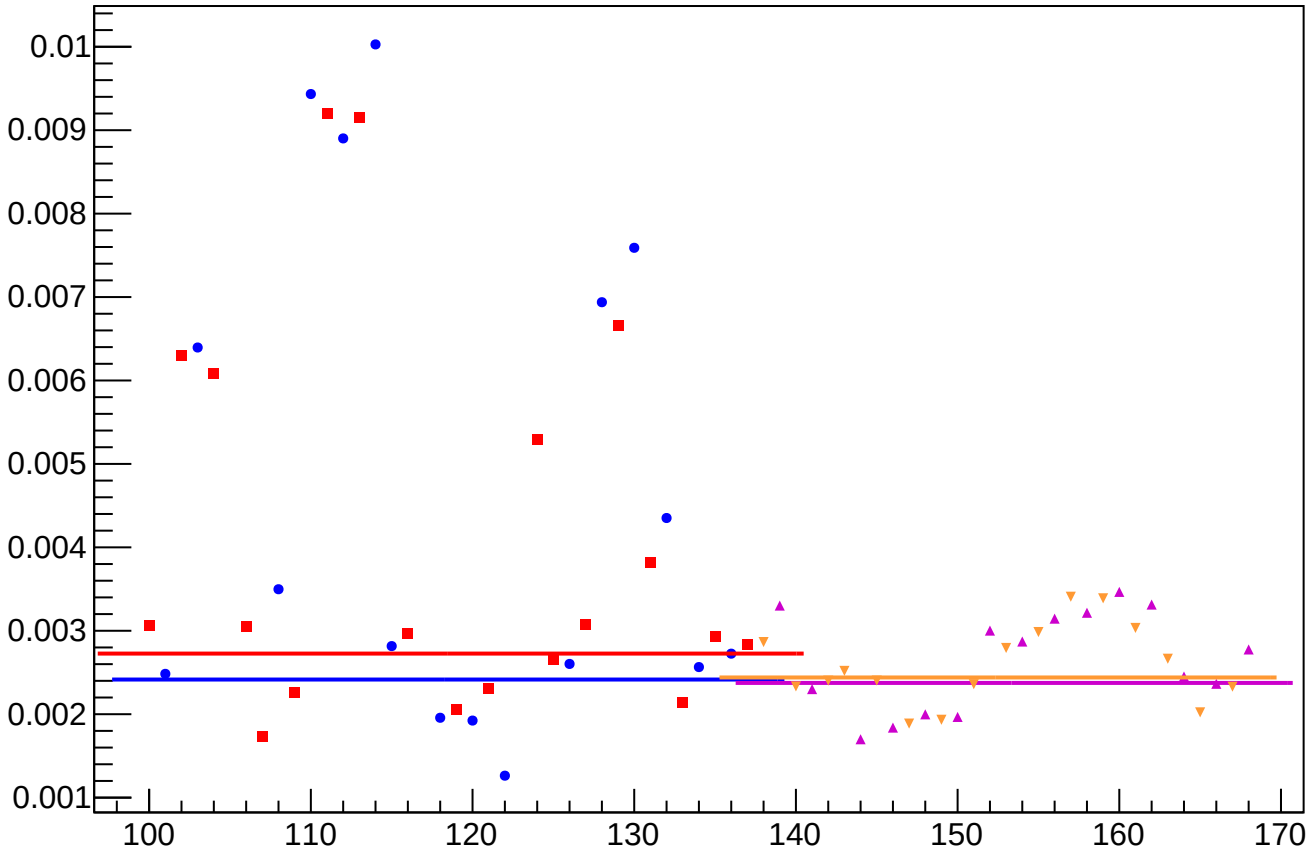
Left: 0.000+/-0.000 χ^2/NDF: 37.1/30

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:23.7/30

Out: 0.000+/-0.000 χ^2/NDF:45.0/34

All: 0.000+/-0.000 χ^2/NDF: 68.8/65



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:777319.0/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1344405.0/14

Left: 0.002+/-0.000 χ^2/NDF: 2130440.8/30

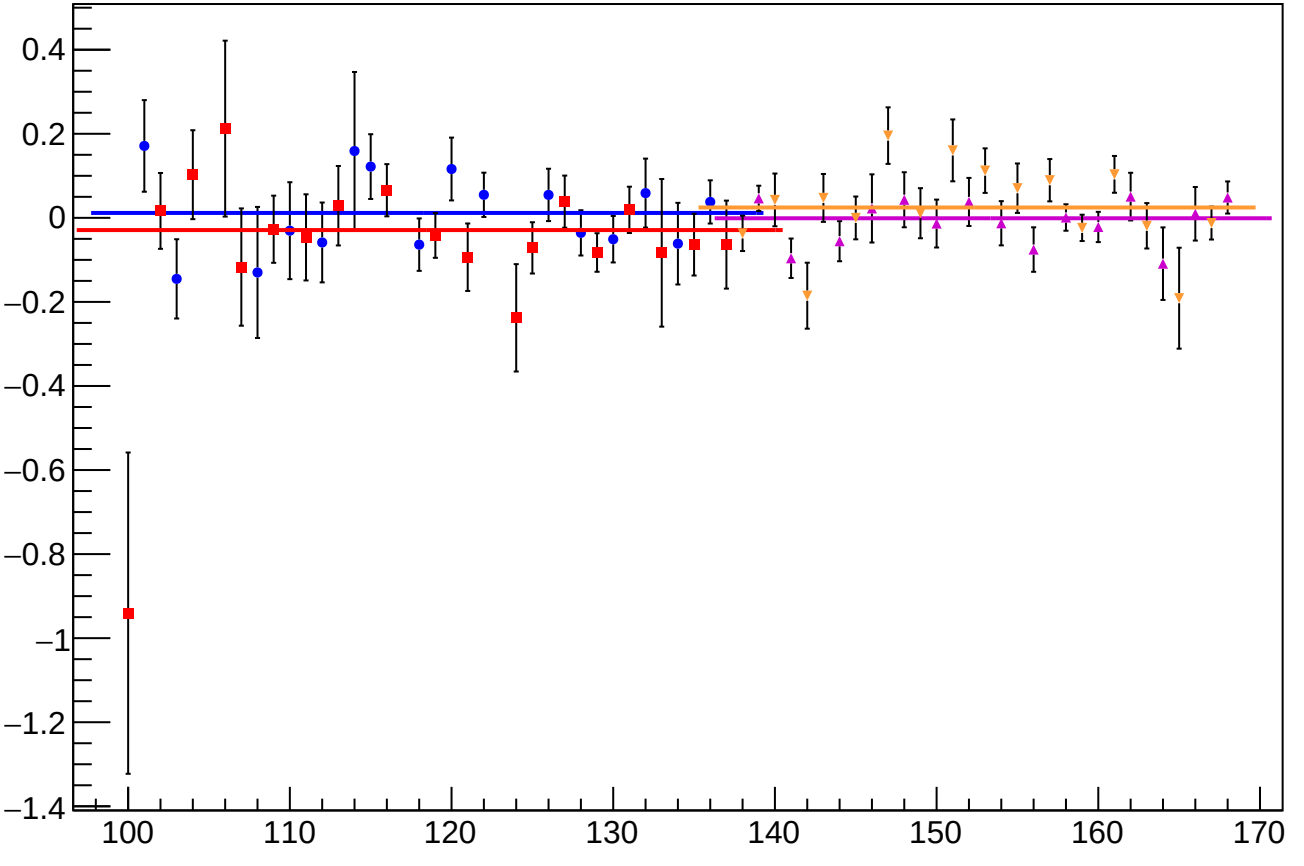
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4778614.2/30

Out: 0.003+/-0.000 χ^2/NDF:3376111.5/34

All: 0.002+/-0.000 χ^2/NDF: 8206043.0/65

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.012 χ^2/NDF:15.4/14

Left: 0.011+/-0.009 χ^2/NDF: 52.6/30

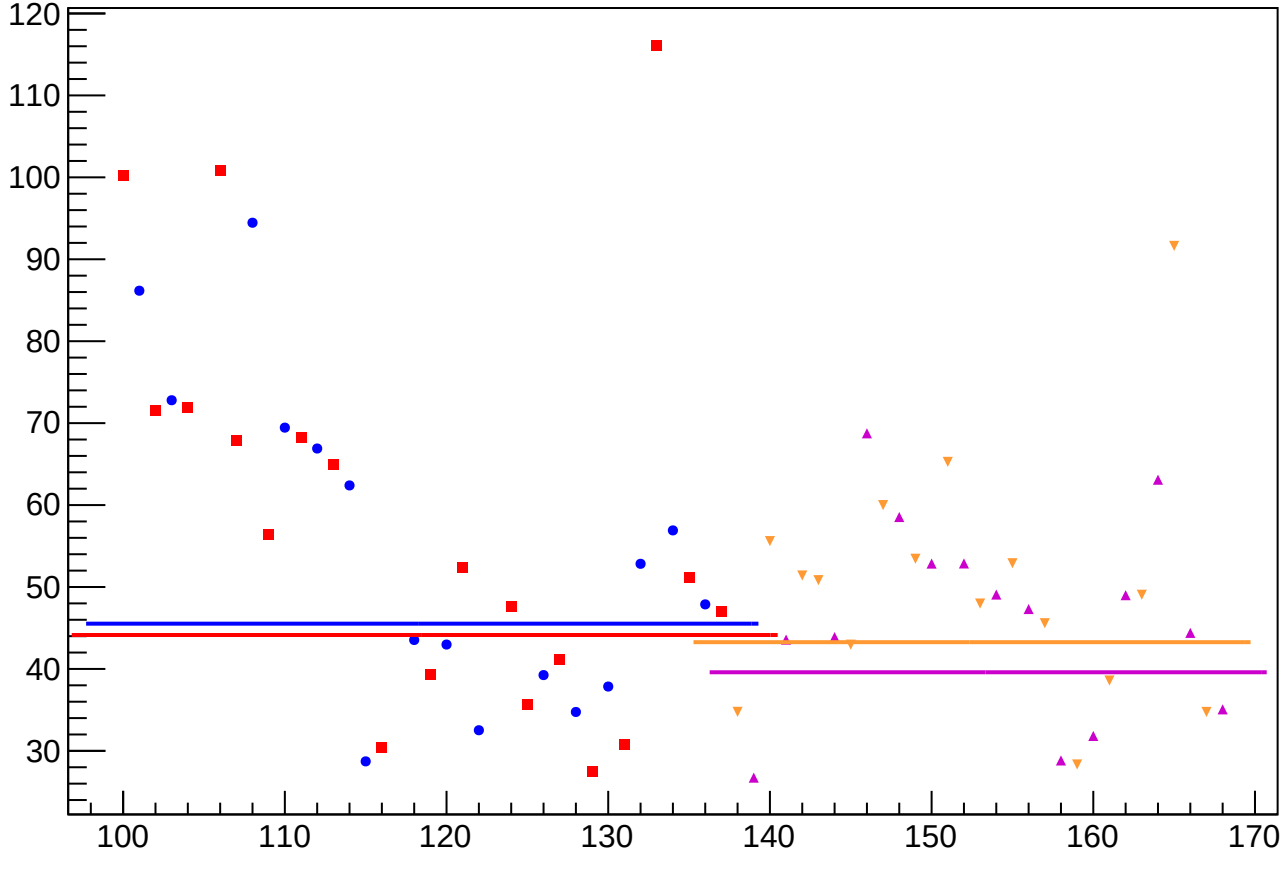
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.010 χ^2/NDF:32.6/30

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.004+/-0.007 χ^2/NDF: 93.3/65

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.266+/-0.009 χ^2/NDF:1569552.0/15

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.594+/-0.009 χ^2/NDF:1715306.0/14

Left: 41.307+/-0.006 χ^2/NDF: 3371316.9/30

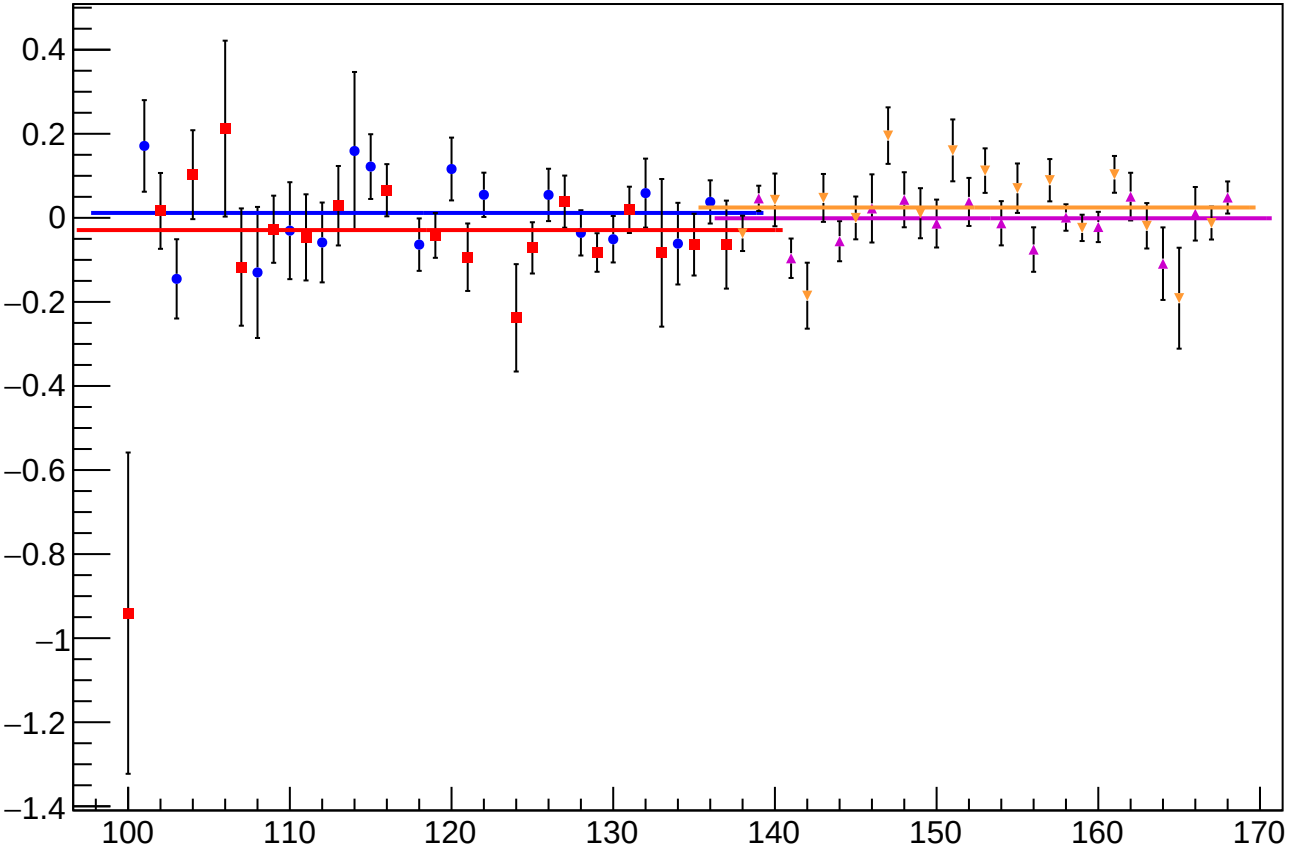
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.388+/-0.007 χ^2/NDF:3115459.5/30

Out: 43.566+/-0.007 χ^2/NDF:3316051.3/34

All: 42.436+/-0.005 χ^2/NDF: 6476473.4/65

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: 0.025+/-0.013 χ^2/NDF:35.1/15

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.012 χ^2/NDF:15.4/14

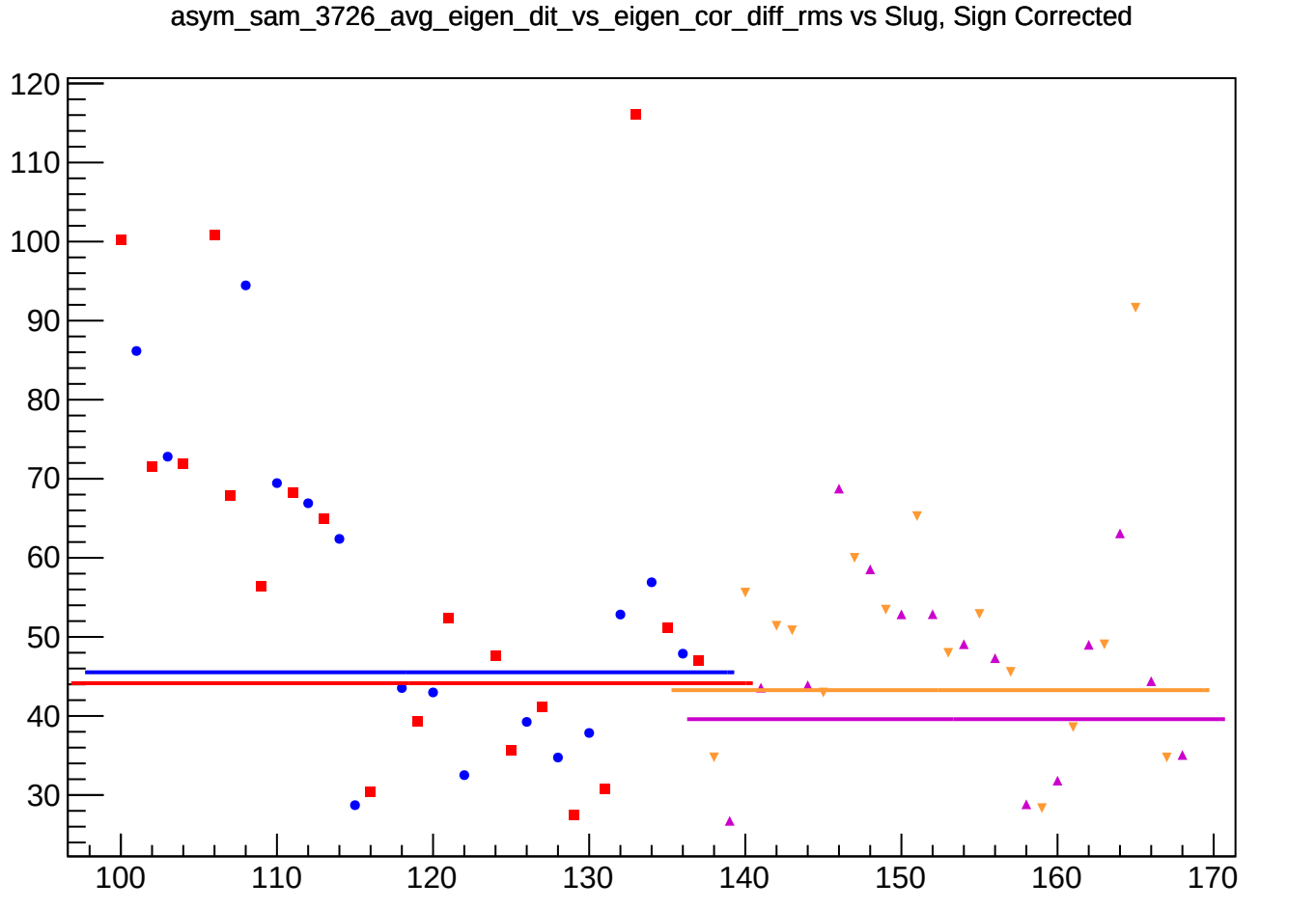
Left: 0.011+/-0.009 χ^2/NDF: 52.6/30

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

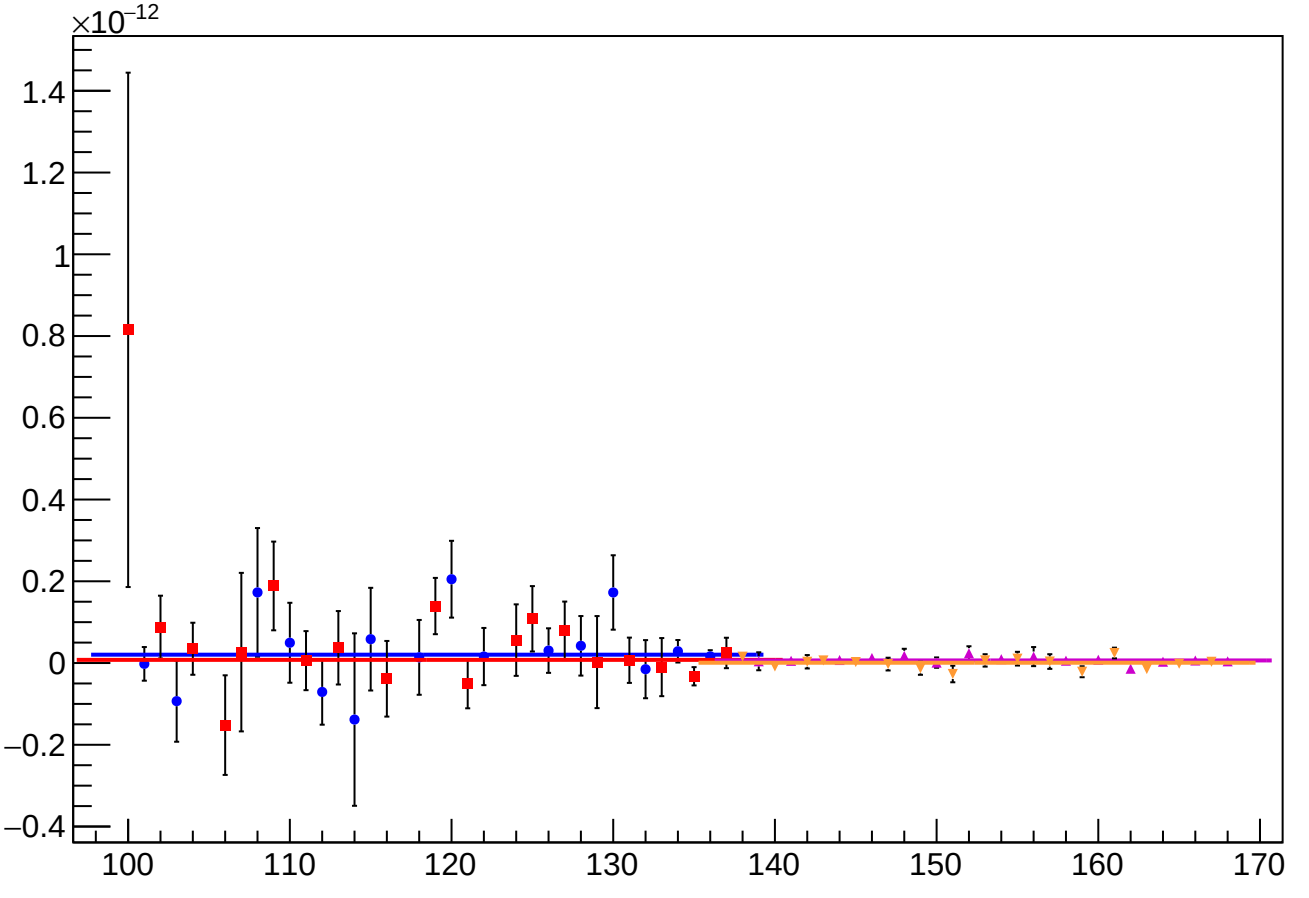
In: 0.003+/-0.010 χ^2/NDF:32.6/30

Out: 0.006+/-0.010 χ^2/NDF:60.6/34

All: 0.004+/-0.007 χ^2/NDF: 93.3/65


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 43.266+/-0.009 χ²/NDF:1569552.0/15
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 39.594+/-0.009 χ²/NDF:1715306.0/14
Left: 41.307+/-0.006 χ²/NDF: 3371316.9/30
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 41.388+/-0.007 χ²/NDF:3115459.5/30
Out: 43.566+/-0.007 χ²/NDF:3316051.3/34
All: 42.436+/-0.005 χ²/NDF: 6476473.4/65

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/14

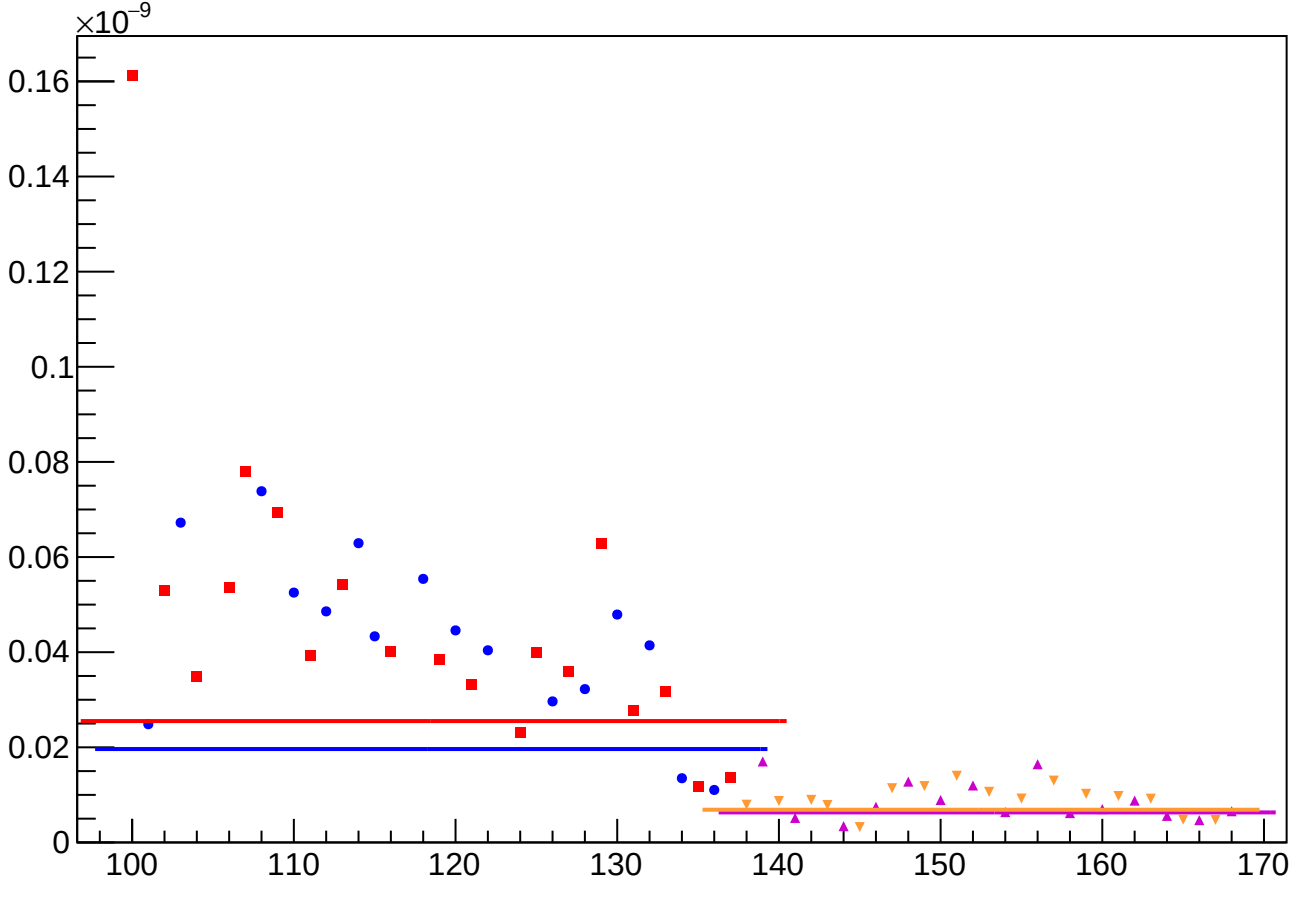
Left: 0.000+/-0.000 χ^2/NDF: 20.8/30

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:18.6/30

Out: 0.000+/-0.000 χ^2/NDF:32.4/34

All: 0.000+/-0.000 χ^2/NDF: 53.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2562653.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2186221.5/14

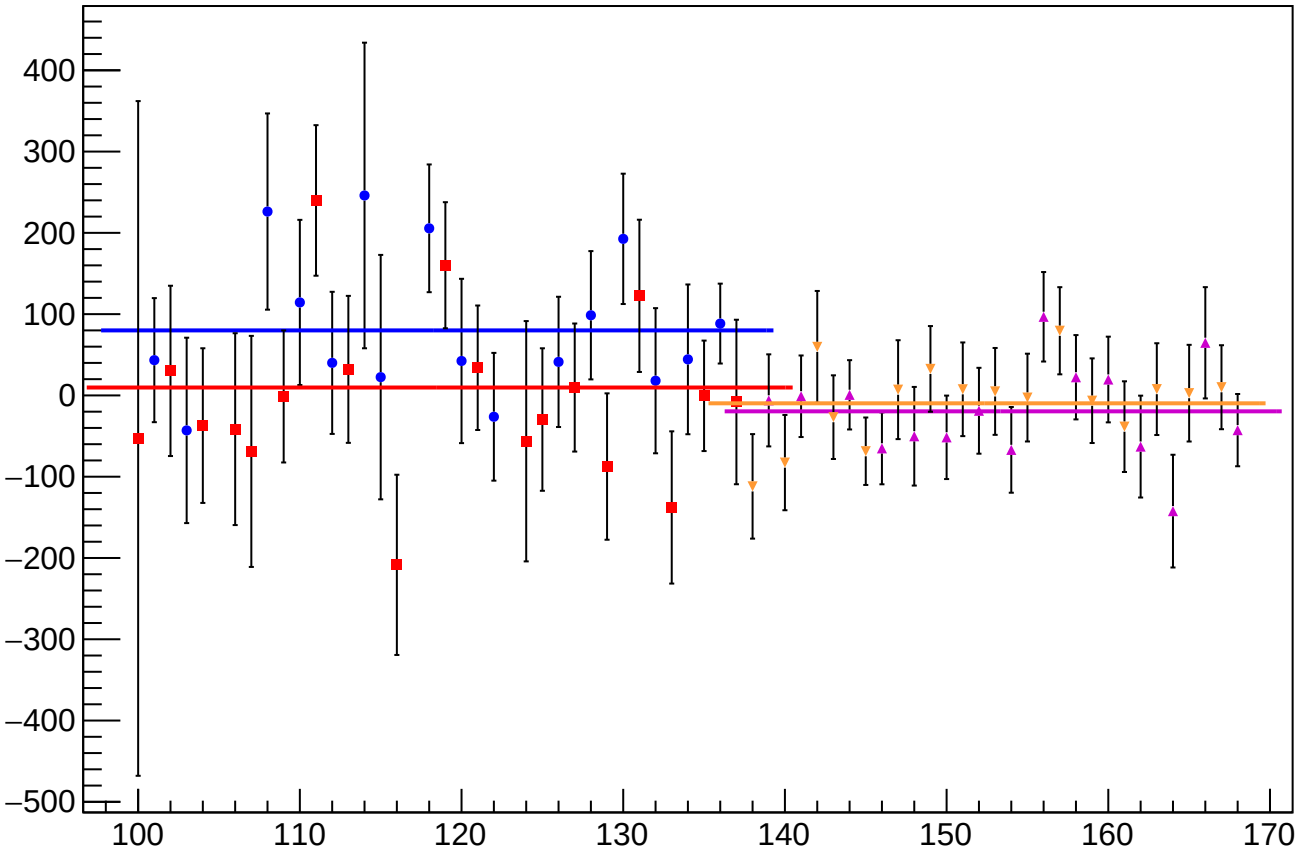
Left: 0.000+/-0.000 χ^2/NDF: 4792575.7/30

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8117548.2/30

Out: 0.000+/-0.000 χ^2/NDF:8826533.9/34

All: 0.000+/-0.000 χ^2/NDF: 16992097.1/65



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.713+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -19.581+/-13.630 χ^2/NDF:14.0/14

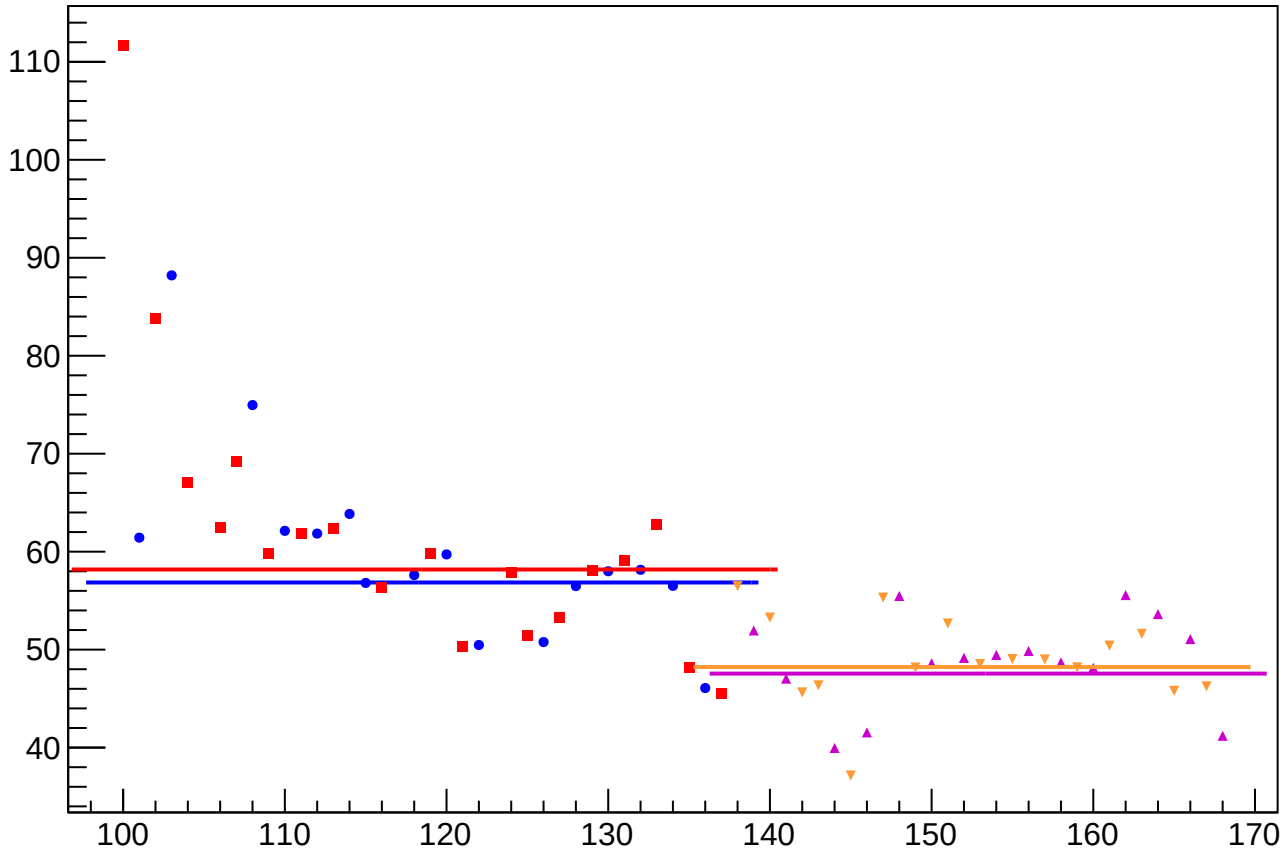
Left: -14.668+/-9.659 χ^2/NDF: 25.7/30

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 9.013+/-11.508 χ^2/NDF:40.9/30

Out: -4.148+/-11.565 χ^2/NDF:32.4/34

All: 2.465+/-8.157 χ^2/NDF: 73.9/65



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

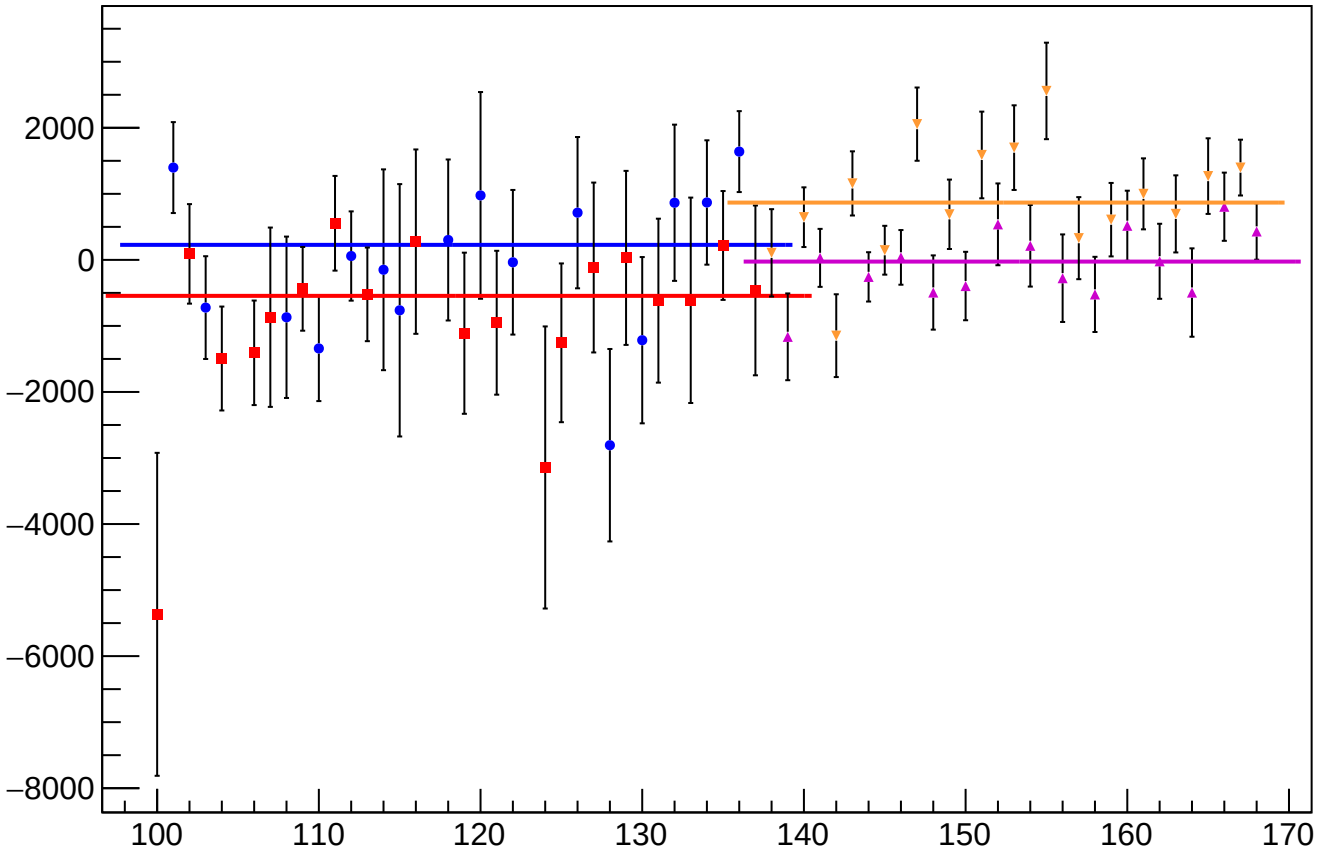
Left: 47.887+/-0.007 χ^2/NDF: 505508.7/30

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.224+/-0.008 χ^2/NDF:859990.2/30

Out: 51.074+/-0.008 χ^2/NDF:869762.8/34

All: 50.647+/-0.006 χ^2/NDF: 1735185.5/65



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 867.731+/-134.054 χ^2/NDF:32.2/15

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -25.825+/-133.528 χ^2/NDF:11.8/14

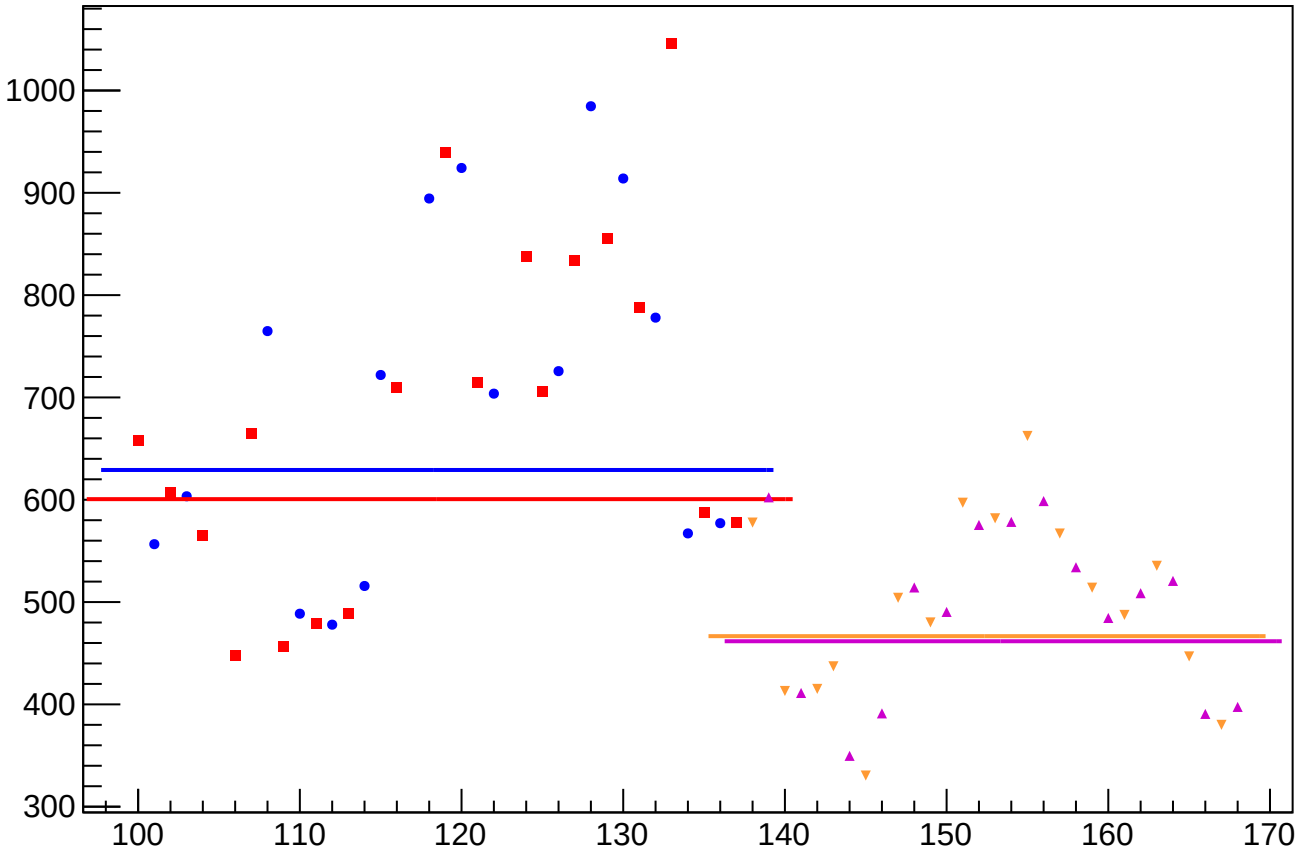
Left: 419.194+/-94.604 χ^2/NDF: 66.3/30

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 33.592+/-116.824 χ^2/NDF:34.3/30

Out: 503.078+/-115.461 χ^2/NDF:74.2/34

All: 271.090+/-82.121 χ^2/NDF: 116.7/65



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 466.676+/-0.095 χ^2/NDF:858296.2/15

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 461.704+/-0.094 χ^2/NDF:751867.6/14

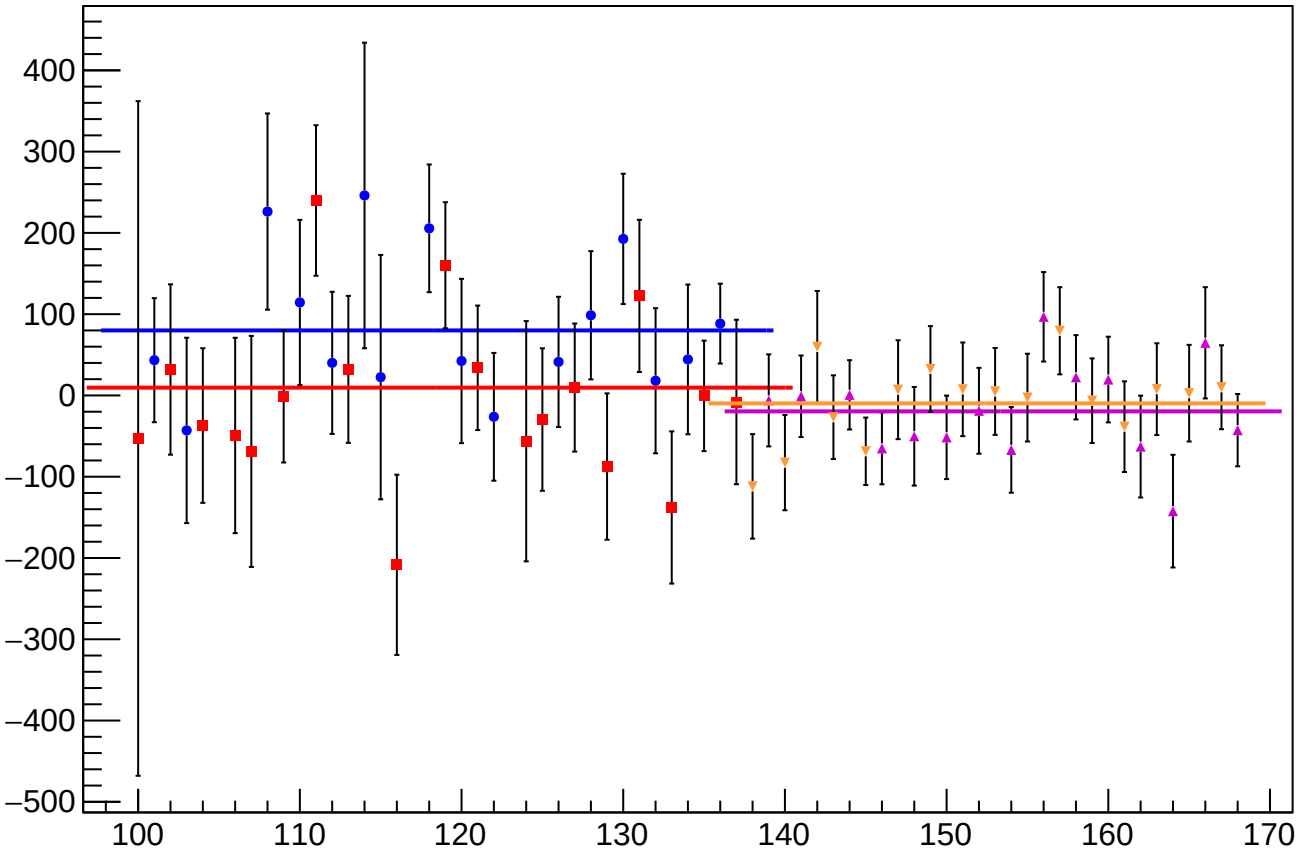
Left: 464.180+/-0.067 χ^2/NDF: 1611545.2/30

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 500.964+/-0.083 χ^2/NDF:2181778.1/30

Out: 501.249+/-0.082 χ^2/NDF:2248174.4/34

All: 501.108+/-0.058 χ^2/NDF: 4429958.5/65



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -19.582+/-13.630 χ^2/NDF:14.0/14

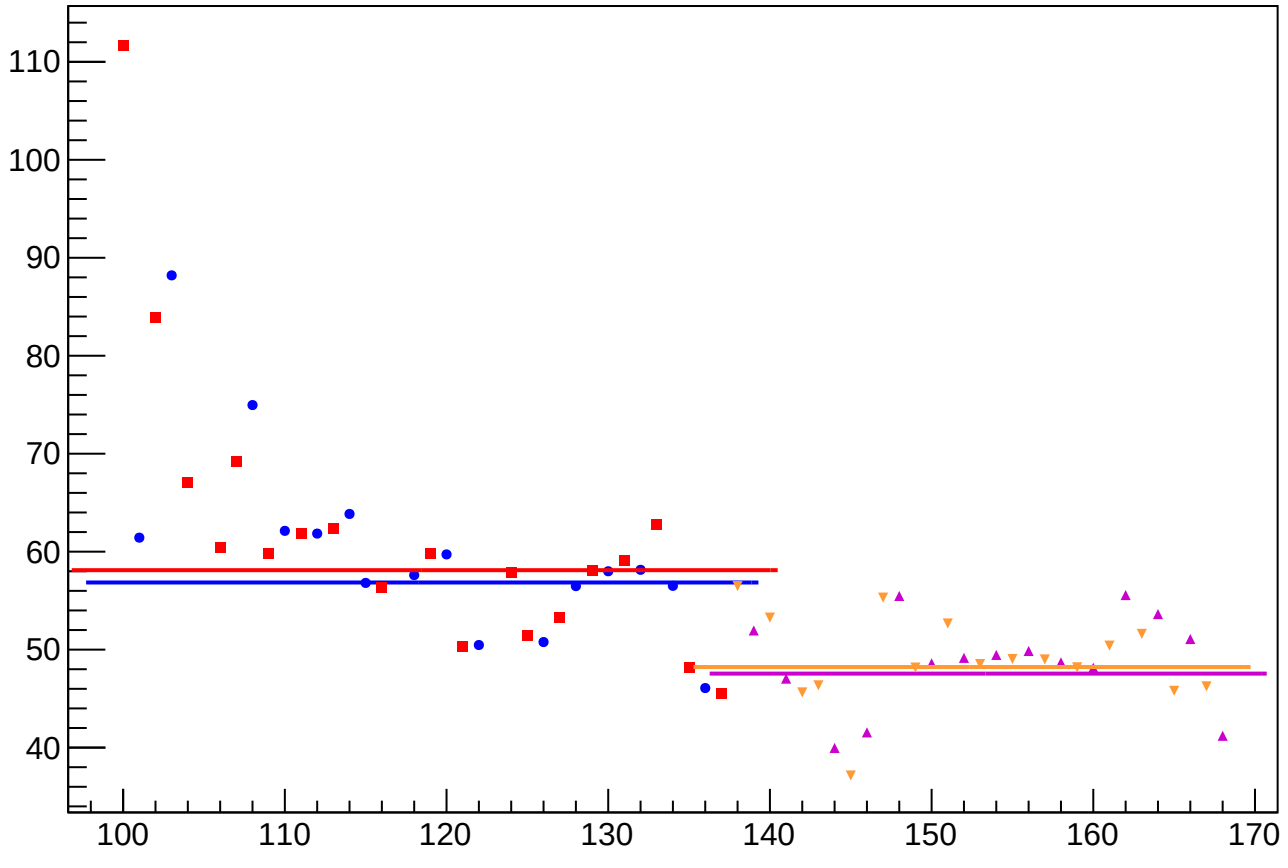
Left: -14.670+/-9.659 χ^2/NDF: 25.7/30

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 9.013+/-11.508 χ^2/NDF:40.9/30

Out: -4.186+/-11.567 χ^2/NDF:32.4/34

All: 2.448+/-8.158 χ^2/NDF: 74.0/65



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

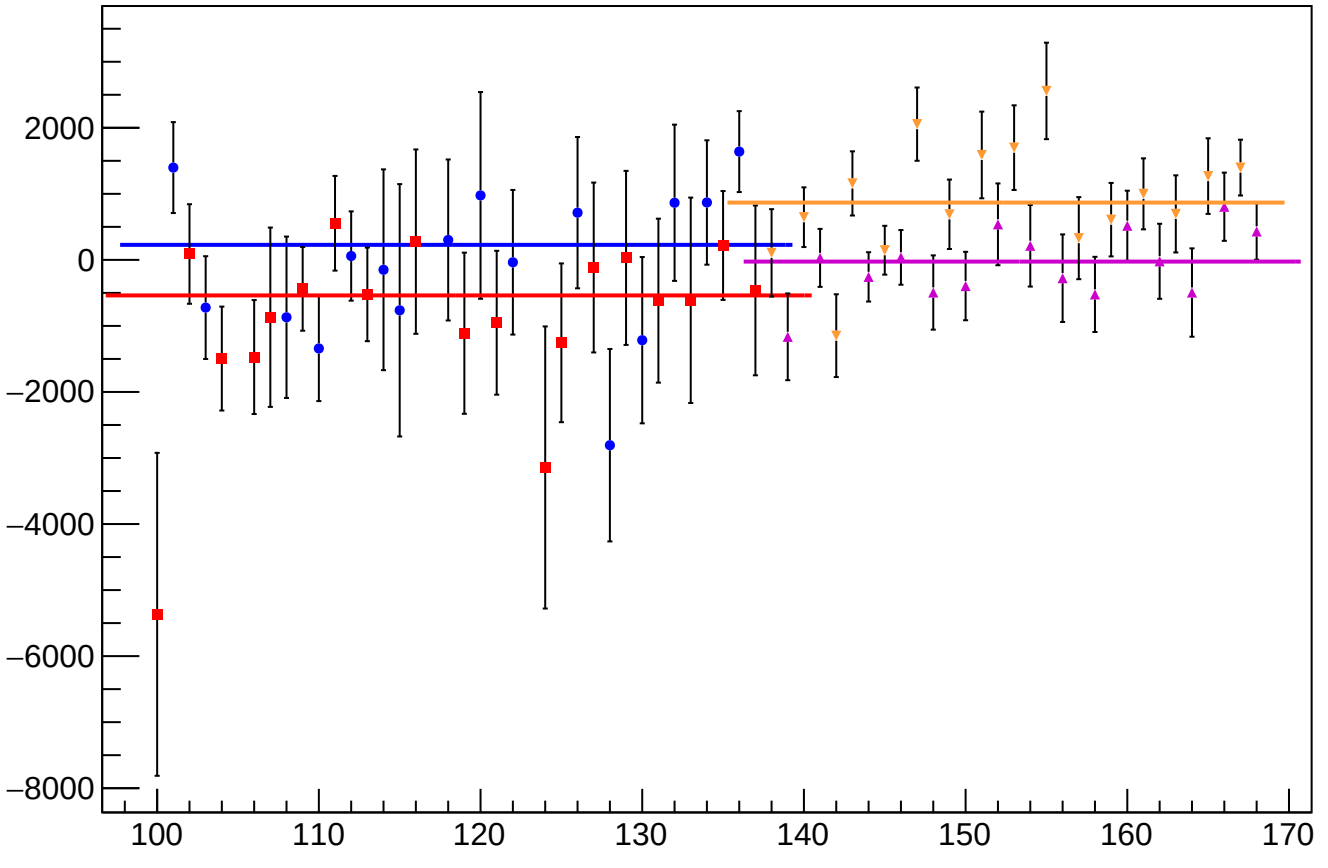
Left: 47.887+/-0.007 χ^2/NDF: 505508.7/30

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.224+/-0.008 χ^2/NDF:859994.2/30

Out: 51.051+/-0.008 χ^2/NDF:863485.5/34

All: 50.635+/-0.006 χ^2/NDF: 1728624.1/65



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -25.828+/-133.528 χ^2/NDF:11.8/14

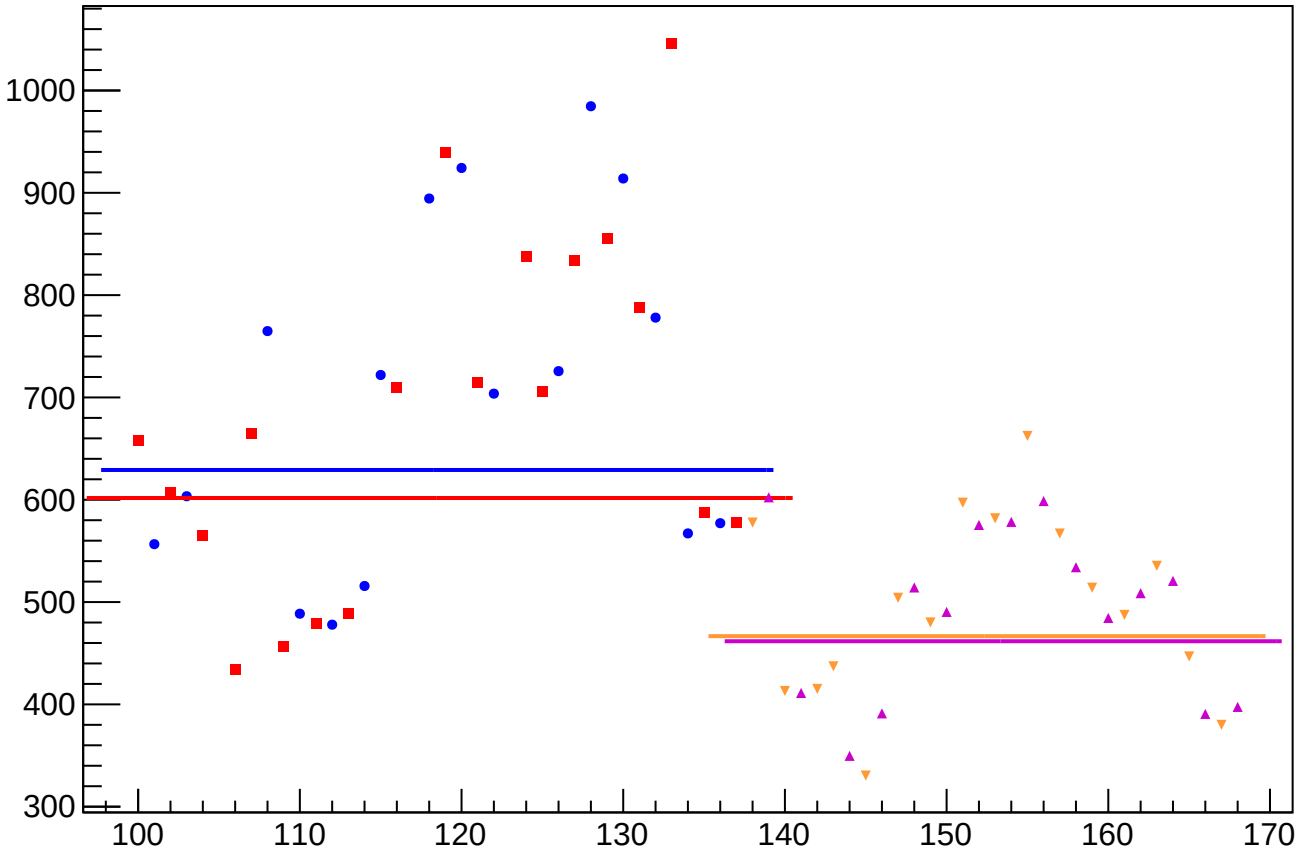
Left: 419.191+/-94.604 χ^2/NDF: 66.3/30

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 33.598+/-116.824 χ^2/NDF:34.3/30

Out: 508.351+/-115.658 χ^2/NDF:73.6/34

All: 273.356+/-82.192 χ^2/NDF: 116.2/65



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 461.704+/-0.094 χ^2/NDF:751864.8/14

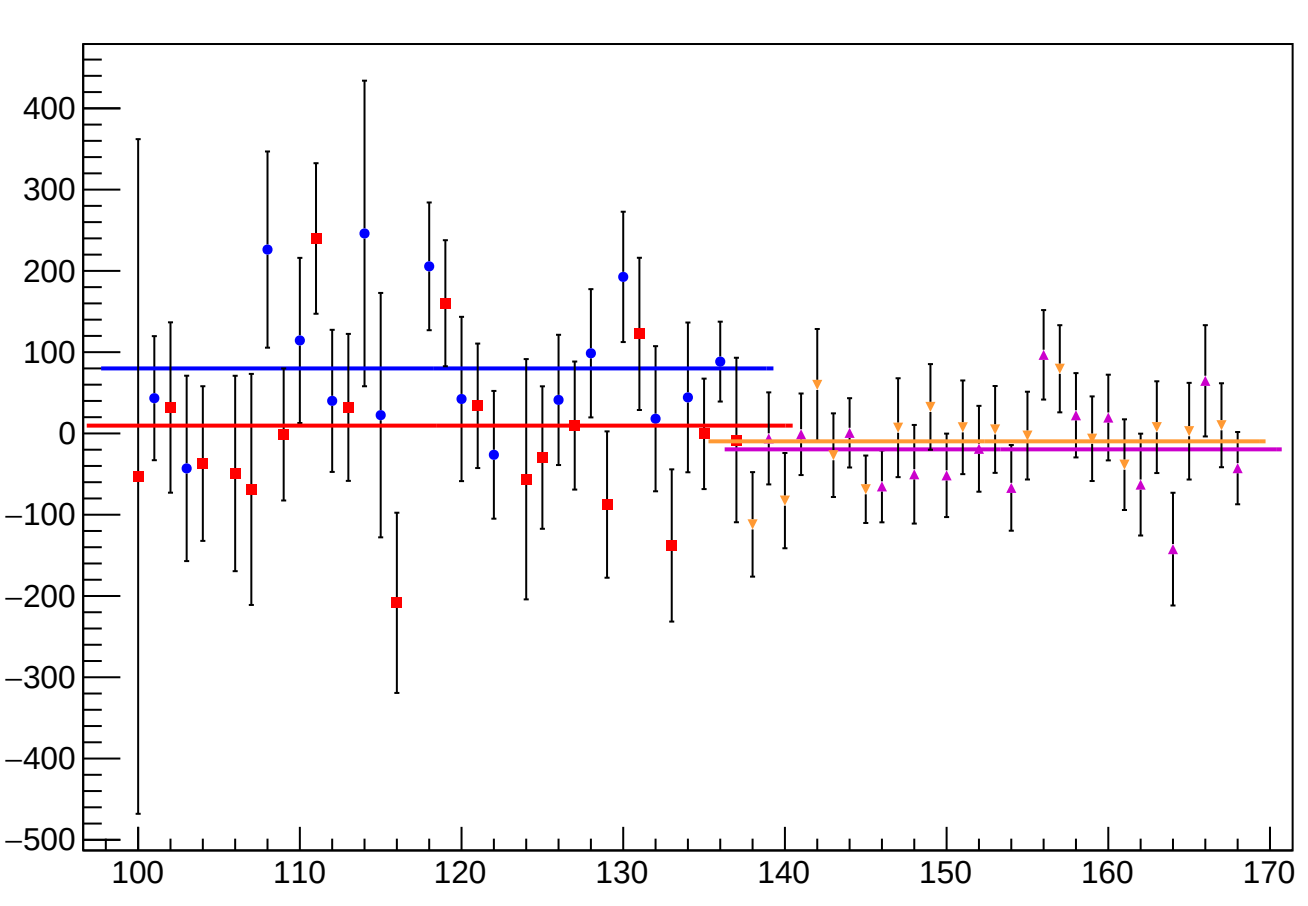
Left: 464.180+/-0.067 χ^2/NDF: 1611544.4/30

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 500.965+/-0.083 χ^2/NDF:2181798.8/30

Out: 501.198+/-0.082 χ^2/NDF:2251181.2/34

All: 501.082+/-0.058 χ^2/NDF: 4432984.0/65



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -9.715+/-13.689 χ^2/NDF:11.5/15

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -19.582+/-13.630 χ^2/NDF:14.0/14

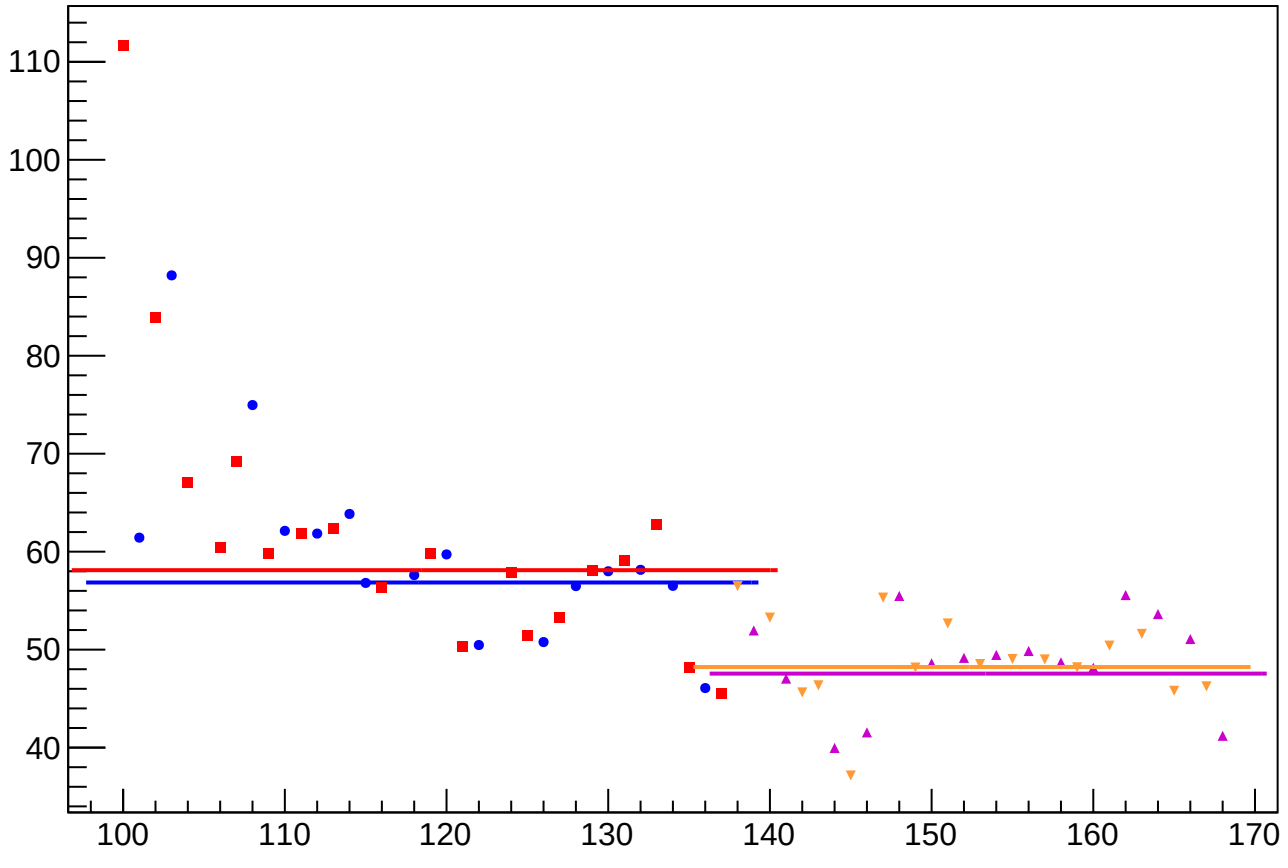
Left: -14.670+/-9.659 χ^2/NDF: 25.7/30

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 9.013+/-11.508 χ^2/NDF:40.9/30

Out: -4.186+/-11.567 χ^2/NDF:32.4/34

All: 2.448+/-8.158 χ^2/NDF: 74.0/65



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.224+/-0.010 χ^2/NDF:252196.7/15

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.553+/-0.010 χ^2/NDF:250897.6/14

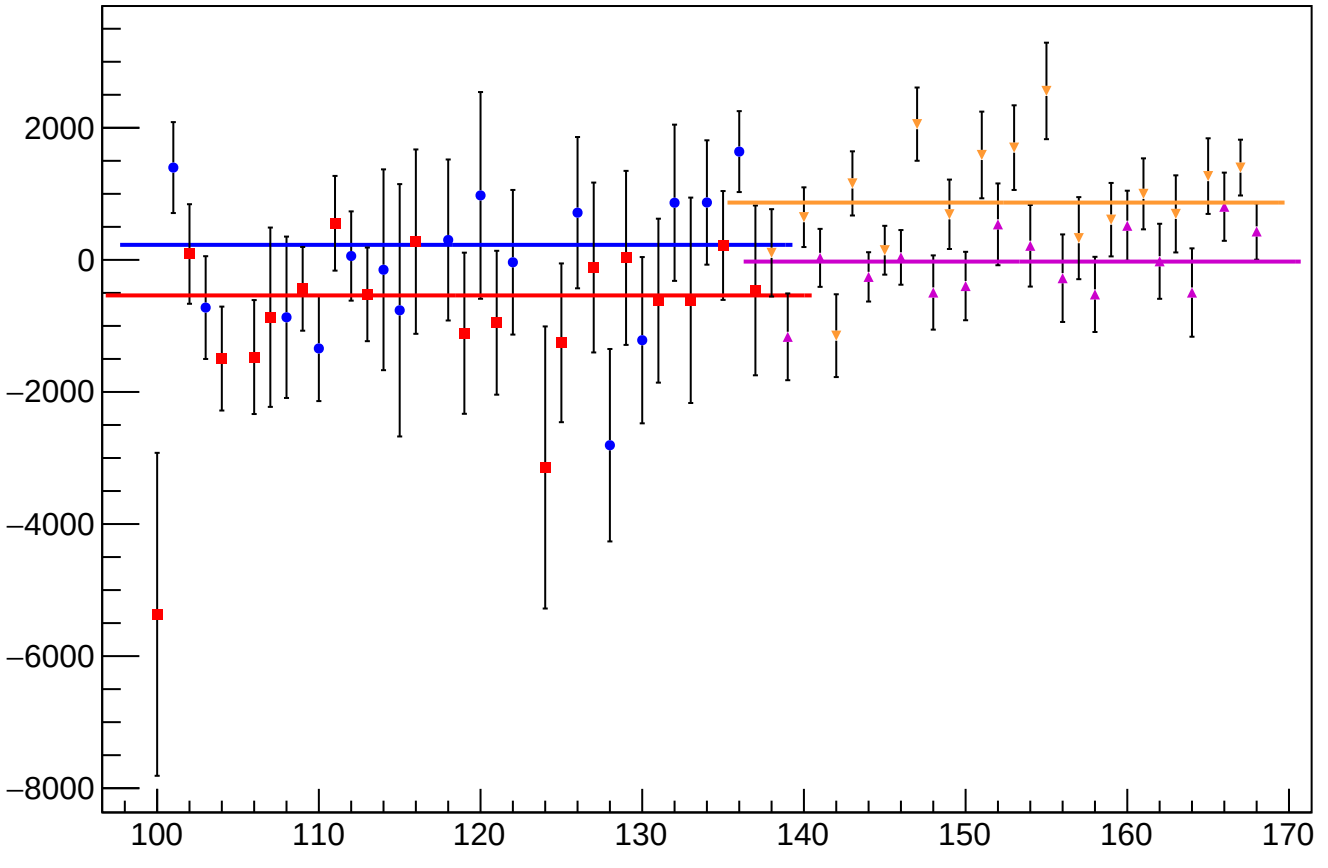
Left: 47.887+/-0.007 χ^2/NDF: 505508.7/30

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.224+/-0.008 χ^2/NDF:859994.2/30

Out: 51.051+/-0.008 χ^2/NDF:863485.5/34

All: 50.635+/-0.006 χ^2/NDF: 1728624.1/65



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 867.728+/-134.054 χ^2/NDF:32.2/15

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -25.828+/-133.528 χ^2/NDF:11.8/14

Left: 419.191+/-94.604 χ^2/NDF: 66.3/30

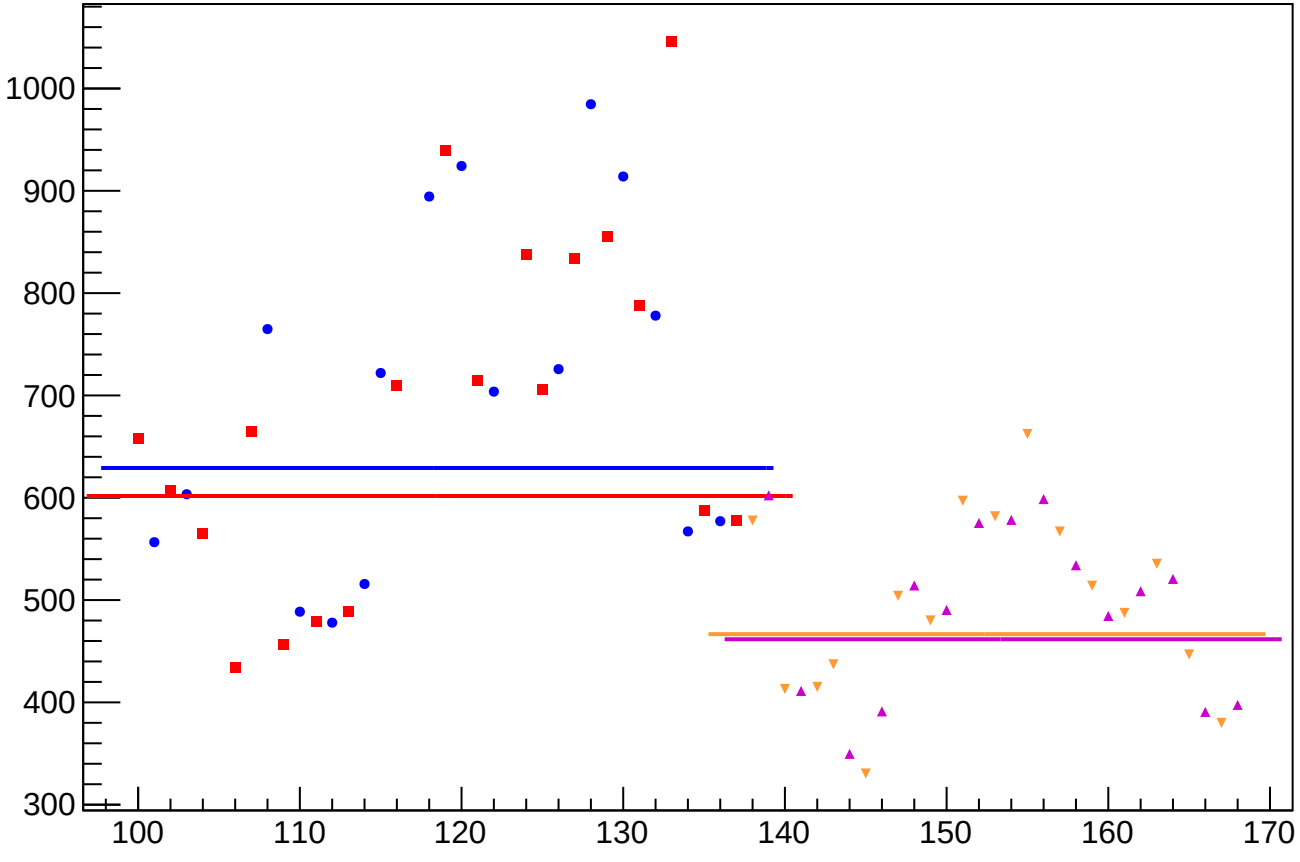
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 33.598+/-116.824 χ^2/NDF:34.3/30

Out: 508.351+/-115.658 χ^2/NDF:73.6/34

All: 273.356+/-82.192 χ^2/NDF: 116.2/65

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: 466.676+/-0.095 χ^2/NDF:858298.4/15

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 461.704+/-0.094 χ^2/NDF:751864.8/14

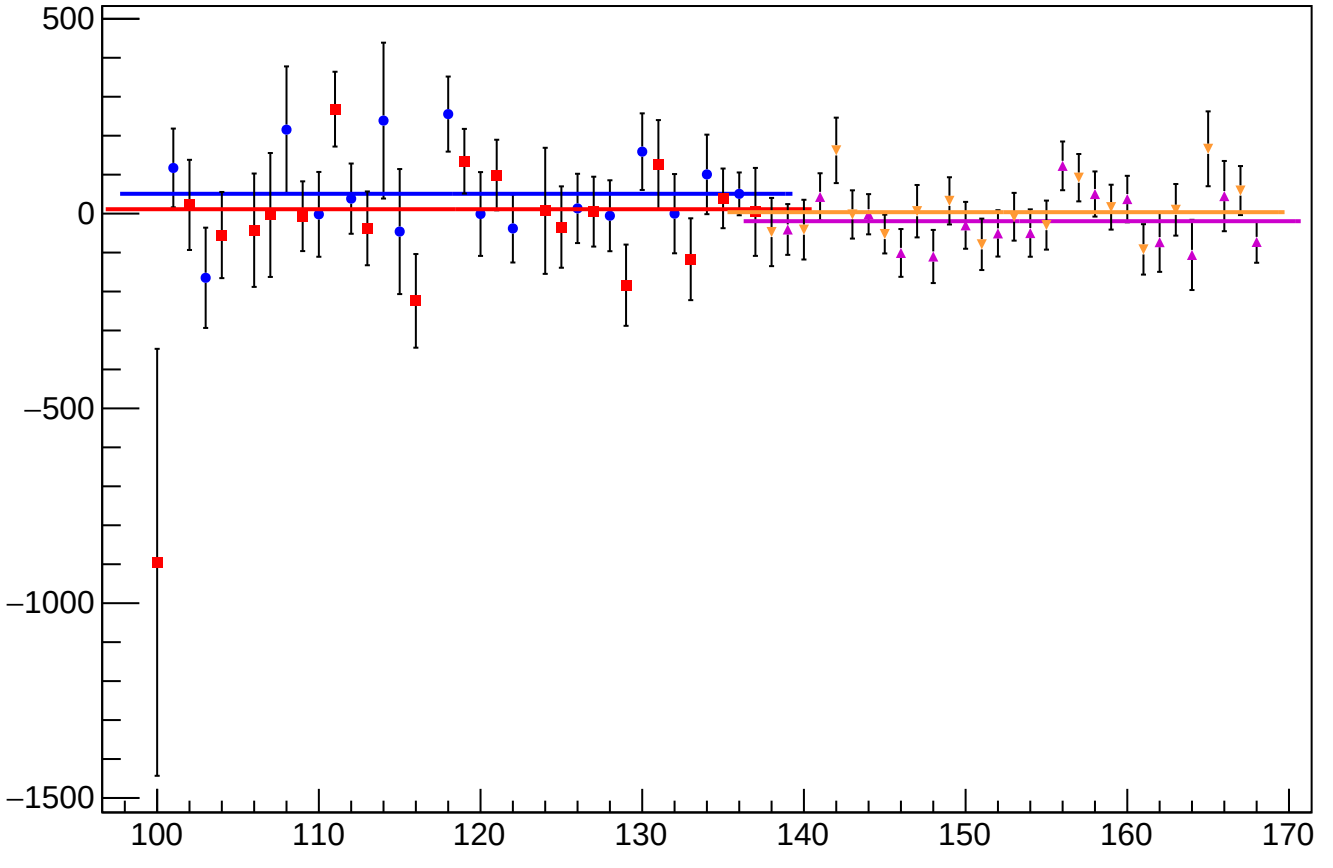
Left: 464.180+/-0.067 χ^2/NDF: 1611544.4/30

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 500.965+/-0.083 χ^2/NDF:2181798.8/30

Out: 501.198+/-0.082 χ^2/NDF:2251181.2/34

All: 501.082+/-0.058 χ^2/NDF: 4432984.0/65



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.687+/-16.336 χ^2/NDF:15.6/15

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -19.482+/-16.234 χ^2/NDF:15.8/14

Left: -7.970+/-11.515 χ^2/NDF: 32.5/30

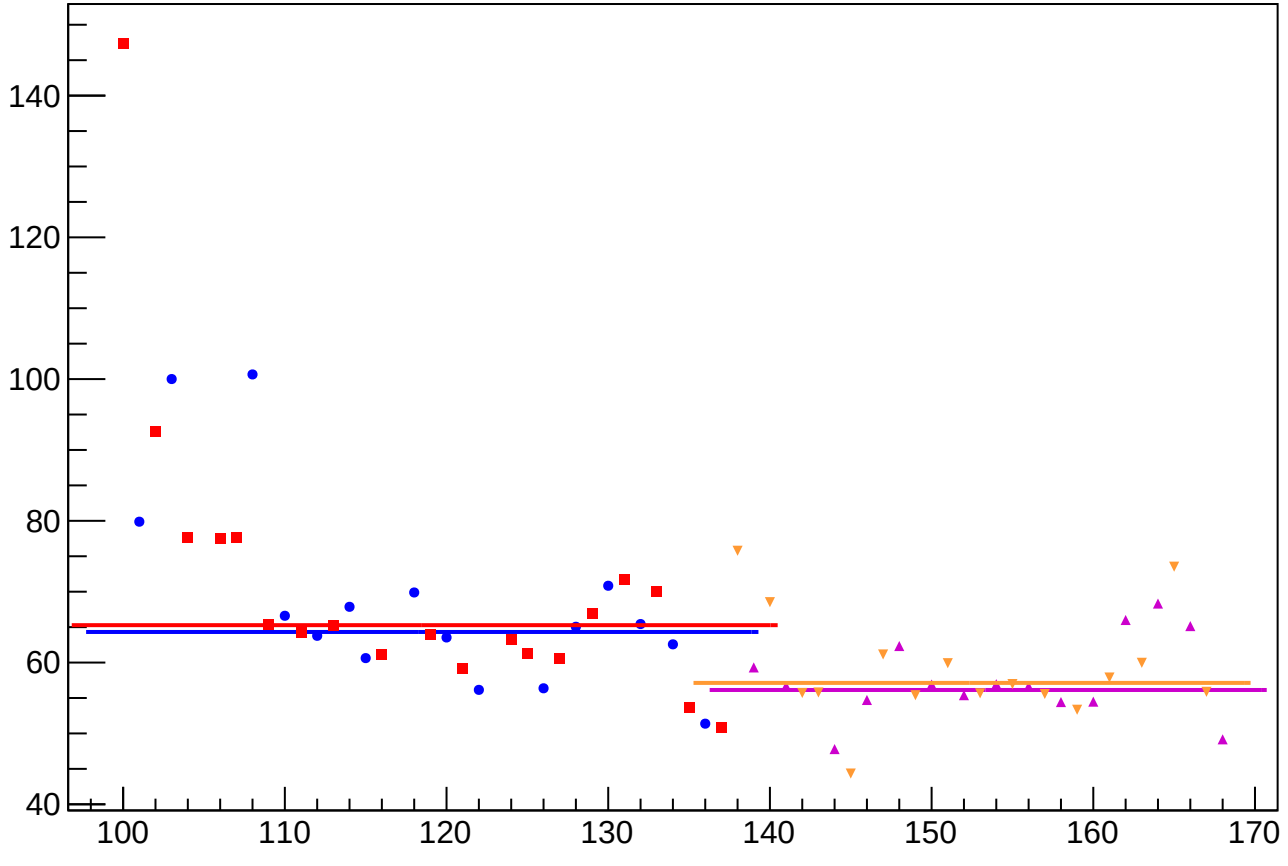
Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 1.989+/-13.531 χ^2/NDF:35.3/30

Out: 6.041+/-13.561 χ^2/NDF:39.7/34

All: 4.011+/-9.579 χ^2/NDF: 75.1/65

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: 57.130+/-0.012 χ^2/NDF:354693.6/15

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.130+/-0.011 χ^2/NDF:203225.6/14

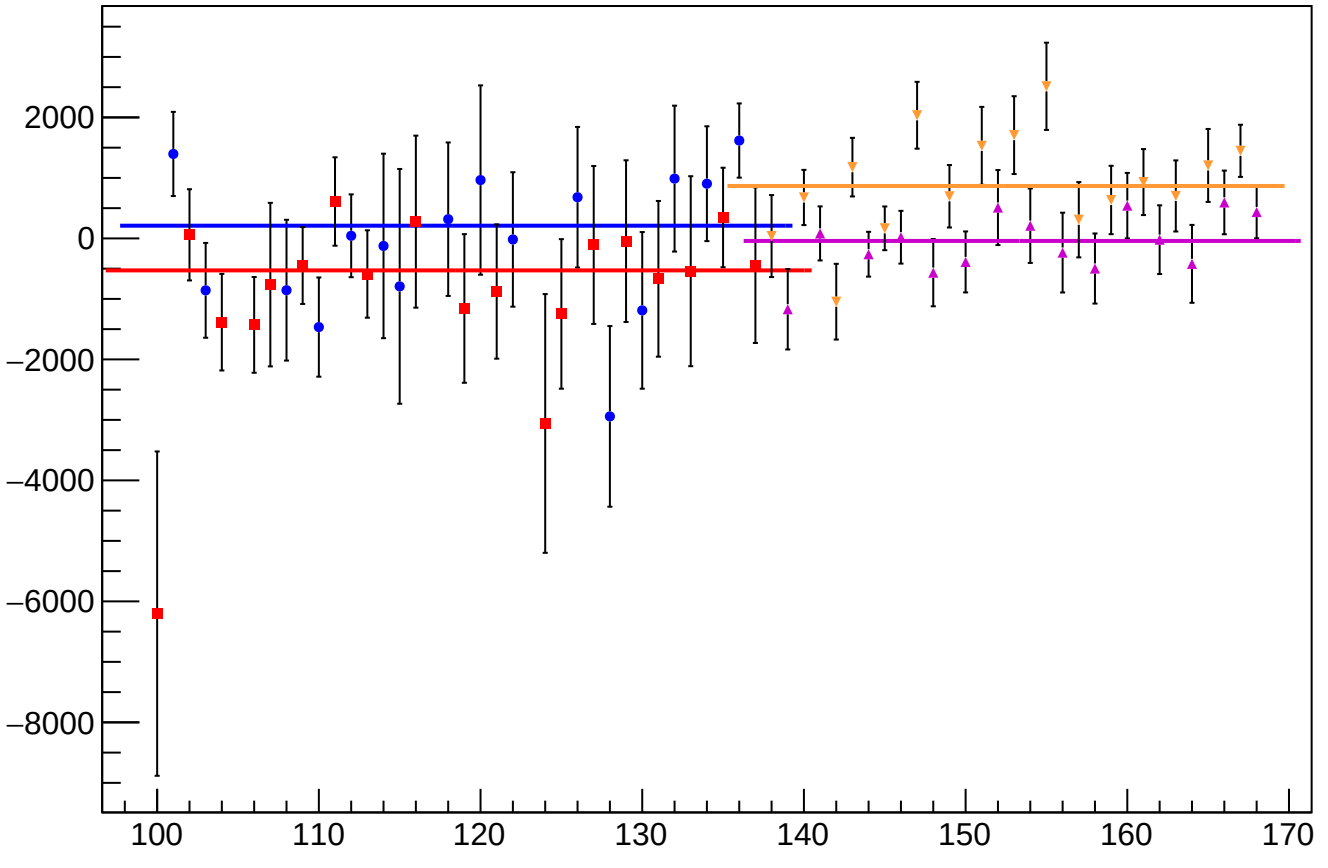
Left: 56.627+/-0.008 χ^2/NDF: 561690.4/30

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.629+/-0.010 χ^2/NDF:823422.8/30

Out: 59.663+/-0.010 χ^2/NDF:828451.2/34

All: 59.145+/-0.007 χ^2/NDF: 1657696.2/65



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 866.673+/-134.430 χ^2/NDF:30.9/15

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -41.802+/-134.408 χ^2/NDF:10.5/14

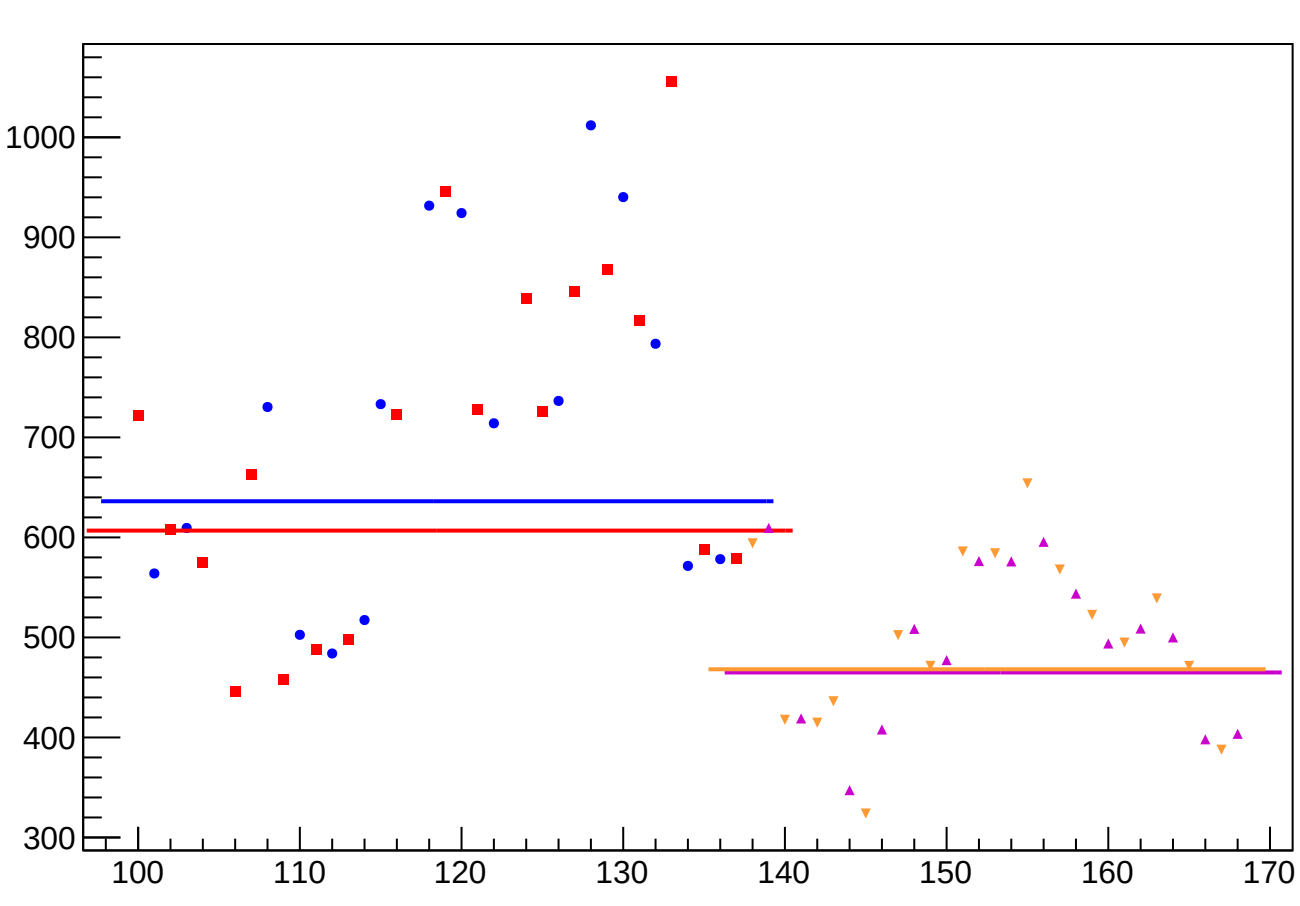
Left: 412.361+/-95.049 χ^2/NDF: 64.3/30

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 16.896+/-117.705 χ^2/NDF:33.8/30

Out: 510.634+/-116.019 χ^2/NDF:72.3/34

All: 267.328+/-82.628 χ^2/NDF: 115.0/65



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 468.157+/-0.095 χ^2/NDF:881149.7/15

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 464.979+/-0.095 χ^2/NDF:705999.2/14

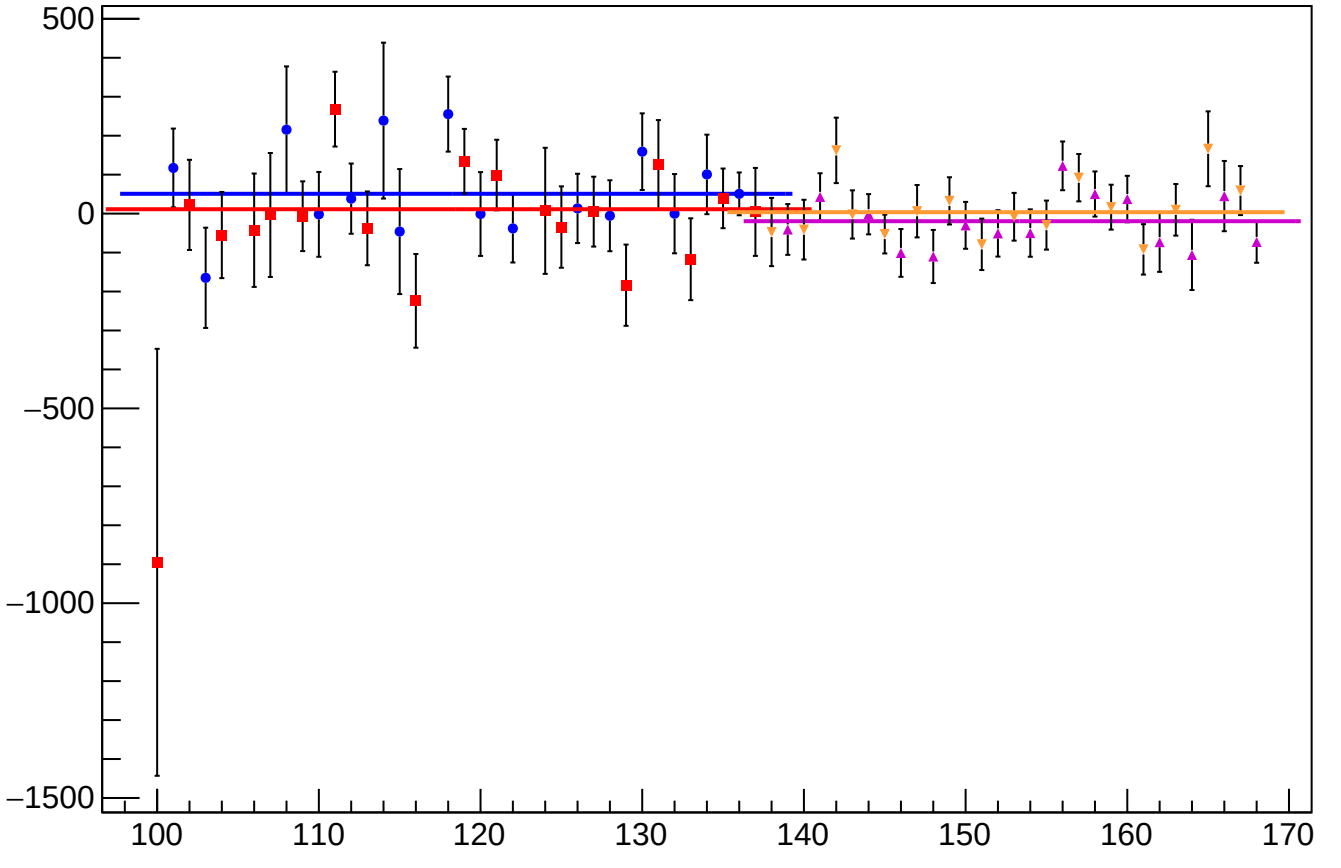
Left: 466.568+/-0.067 χ^2/NDF: 1587708.0/30

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 504.877+/-0.083 χ^2/NDF:2167275.9/30

Out: 503.534+/-0.082 χ^2/NDF:2317857.7/34

All: 504.196+/-0.058 χ^2/NDF: 4485265.6/65



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 3.686+/-16.336 χ^2/NDF:15.6/15

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -19.482+/-16.234 χ^2/NDF:15.8/14

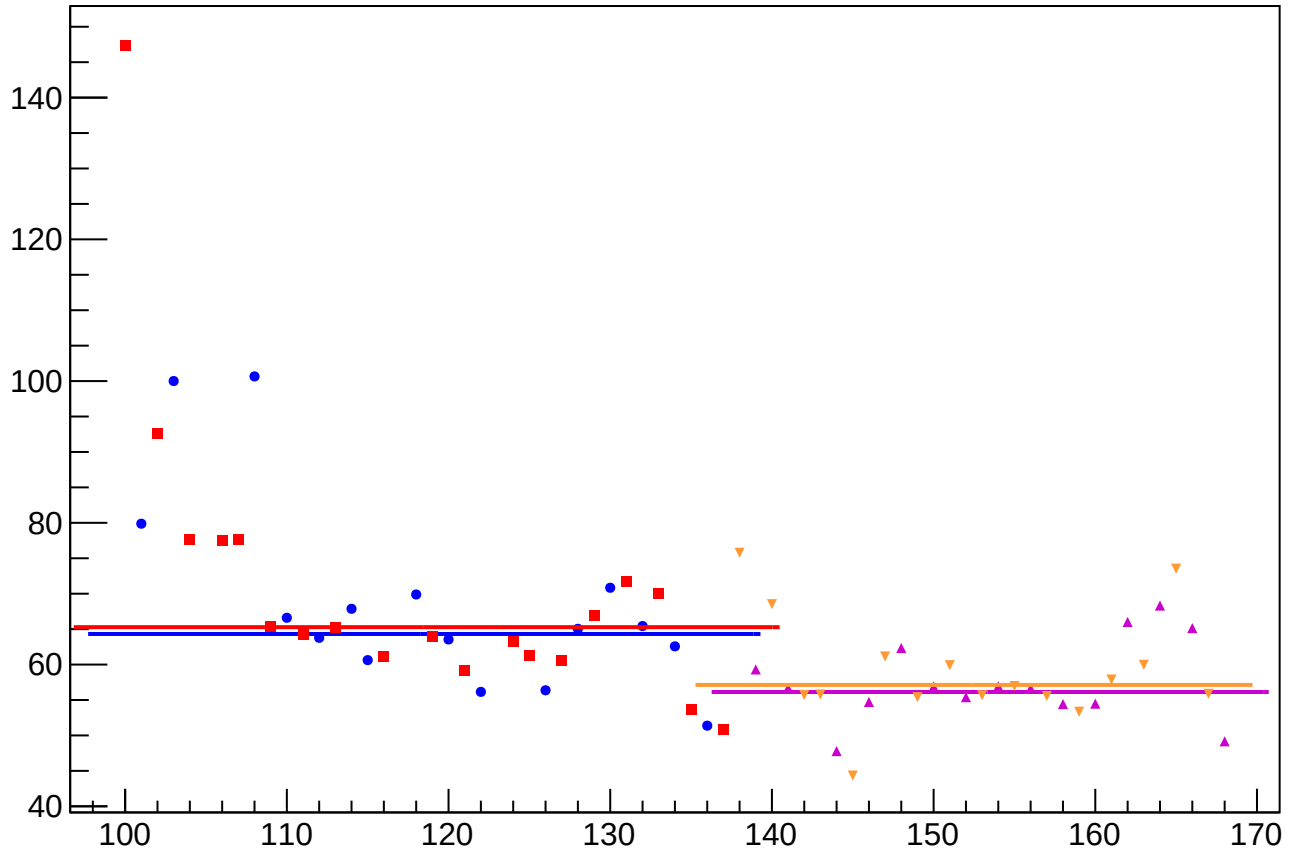
Left: -7.971+/-11.515 χ^2/NDF: 32.5/30

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 1.988+/-13.531 χ^2/NDF:35.3/30

Out: 6.040+/-13.561 χ^2/NDF:39.7/34

All: 4.010+/-9.579 χ^2/NDF: 75.1/65



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.131+/-0.012 χ^2/NDF:354681.7/15

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.130+/-0.011 χ^2/NDF:203223.8/14

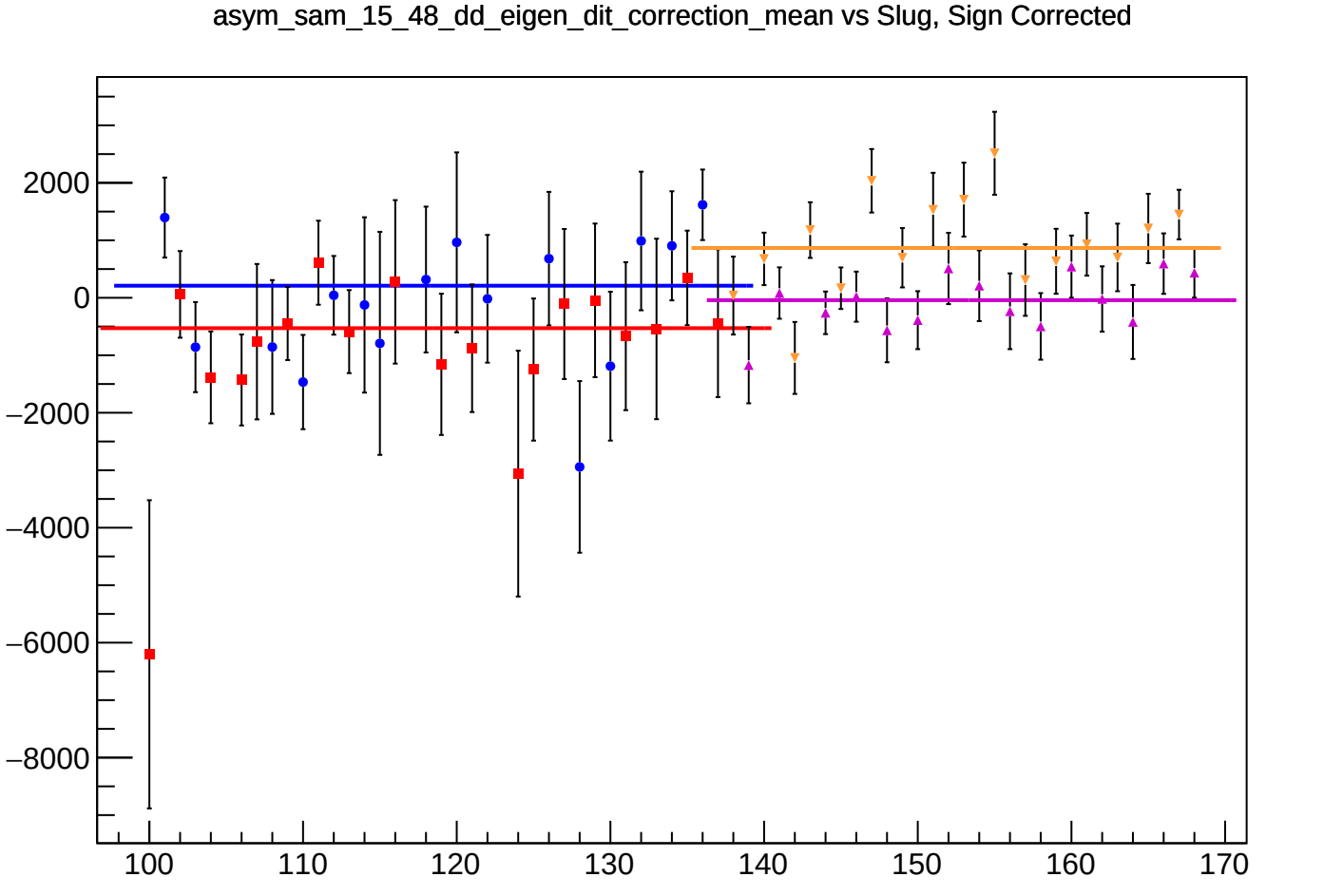
Left: 56.627+/-0.008 χ^2/NDF: 561677.1/30

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.629+/-0.010 χ^2/NDF:823412.9/30

Out: 59.663+/-0.010 χ^2/NDF:828432.2/34

All: 59.145+/-0.007 χ^2/NDF: 1657667.6/65



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 866.671+/-134.430 χ^2/NDF:30.9/15

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -41.801+/-134.408 χ^2/NDF:10.5/14

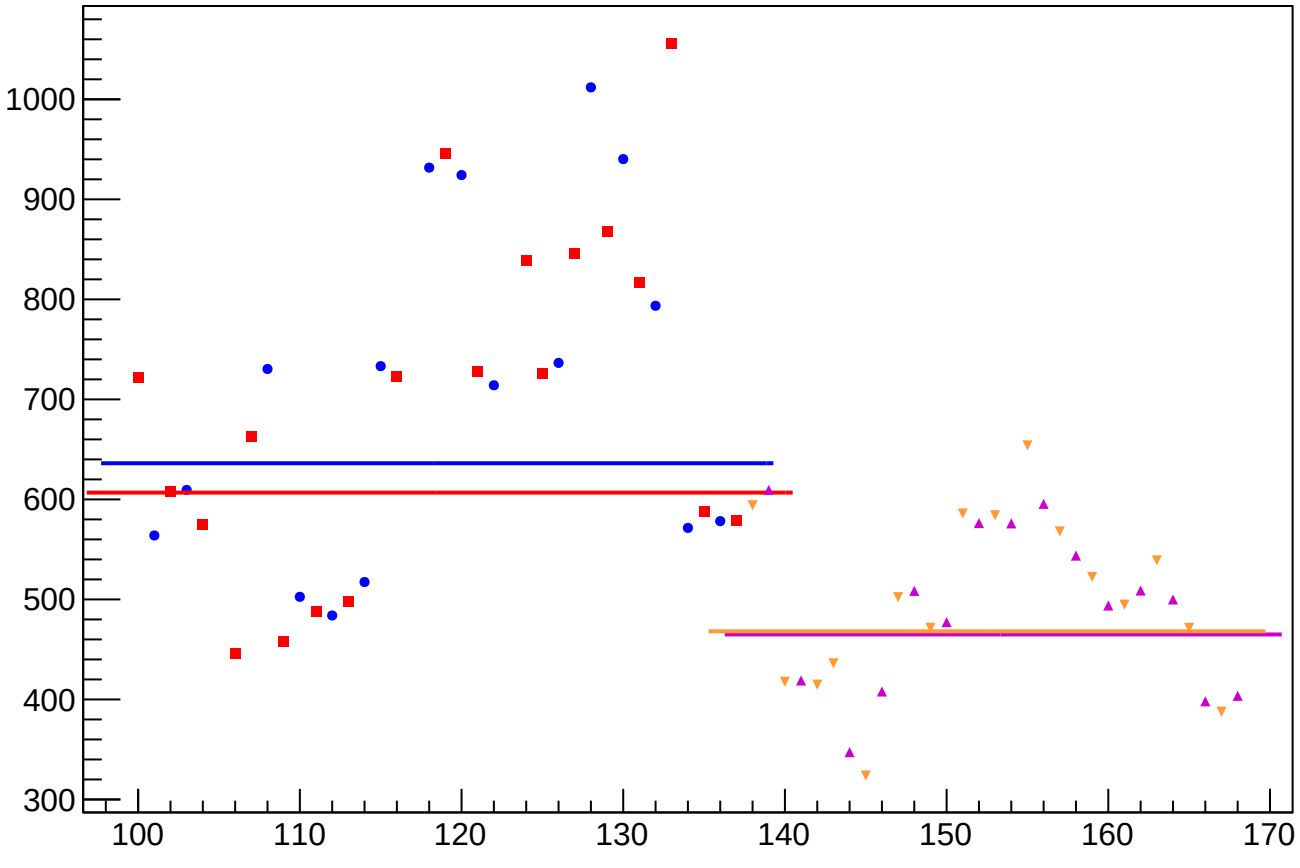
Left: 412.360+/-95.049 χ^2/NDF: 64.3/30

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 16.896+/-117.705 χ^2/NDF:33.8/30

Out: 510.633+/-116.019 χ^2/NDF:72.3/34

All: 267.327+/-82.627 χ^2/NDF: 115.0/65



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 468.156+/-0.095 χ^2/NDF:881159.8/15

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 464.978+/-0.095 χ^2/NDF:706003.9/14

Left: 466.567+/-0.067 χ^2/NDF: 1587722.7/30

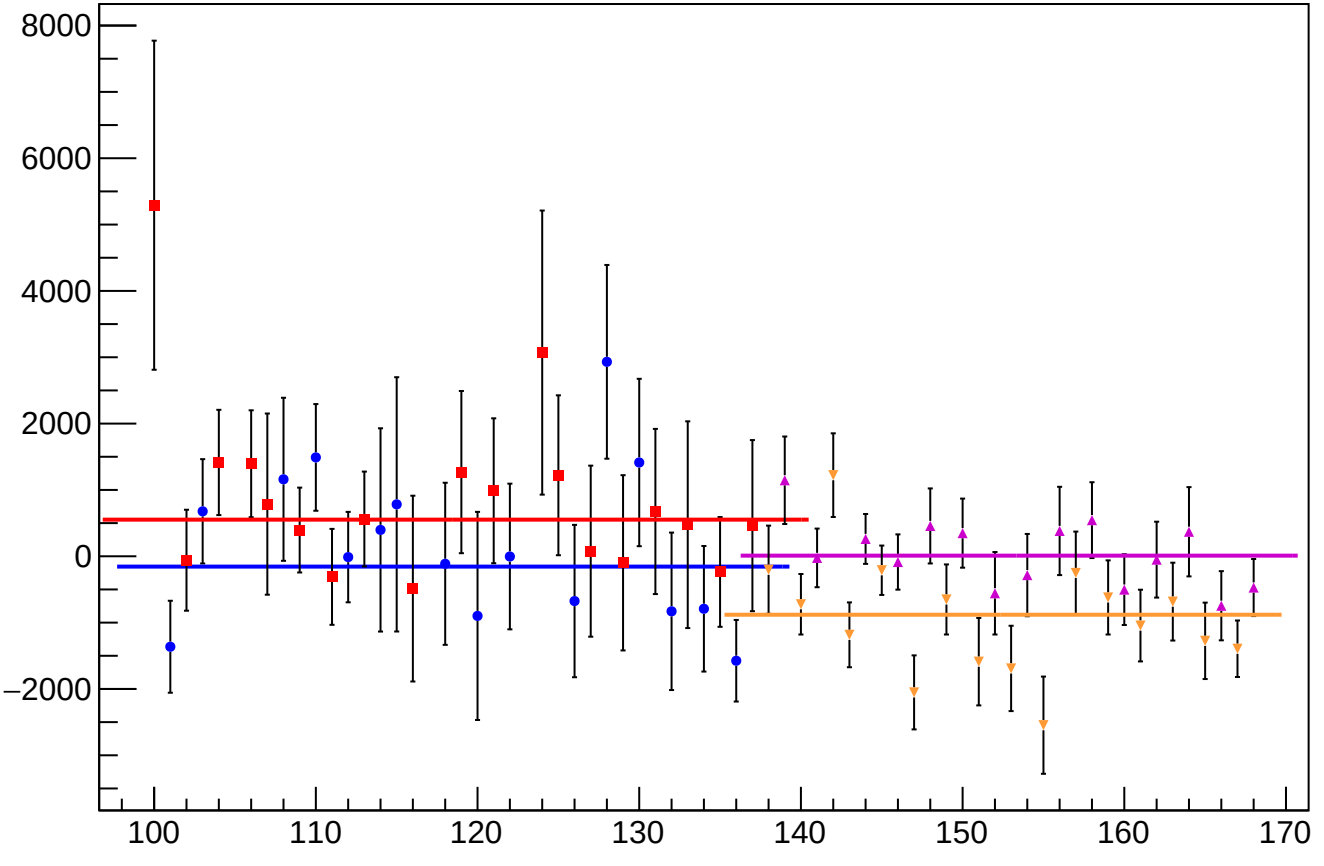
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 504.876+/-0.083 χ^2/NDF:2167287.7/30

Out: 503.533+/-0.082 χ^2/NDF:2317873.8/34

All: 504.195+/-0.058 χ^2/NDF: 4485293.5/65

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -881.314+/-134.829 χ^2/NDF:31.8/15

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 9.570+/-134.292 χ^2/NDF:11.3/14

Left: -434.097+/-95.148 χ^2/NDF: 65.0/30

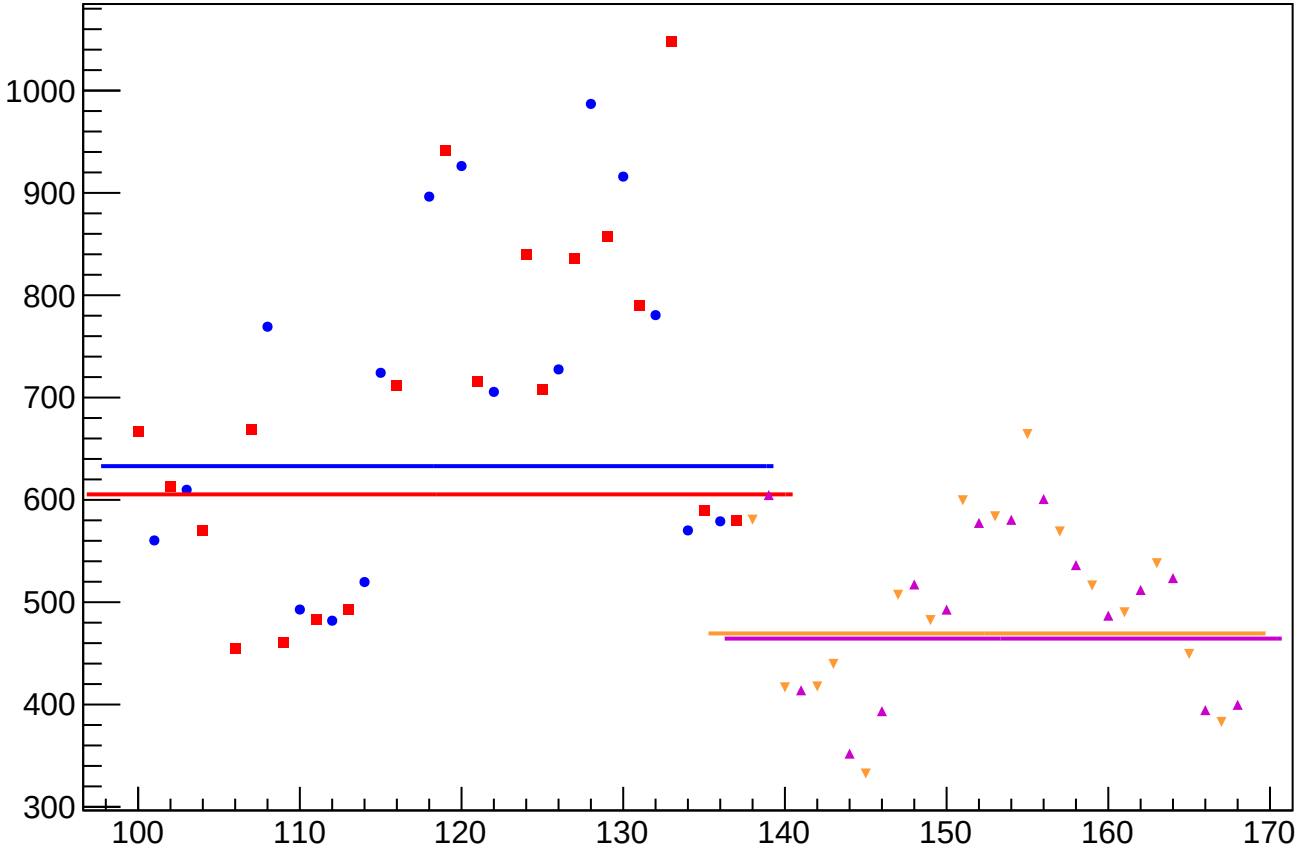
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -29.184+/-117.492 χ^2/NDF:34.2/30

Out: -512.046+/-116.172 χ^2/NDF:73.0/34

All: -273.342+/-82.609 χ^2/NDF: 115.7/65

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 469.488+/-0.095 χ^2/NDF:847616.0/15

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 464.444+/-0.095 χ^2/NDF:742732.9/14

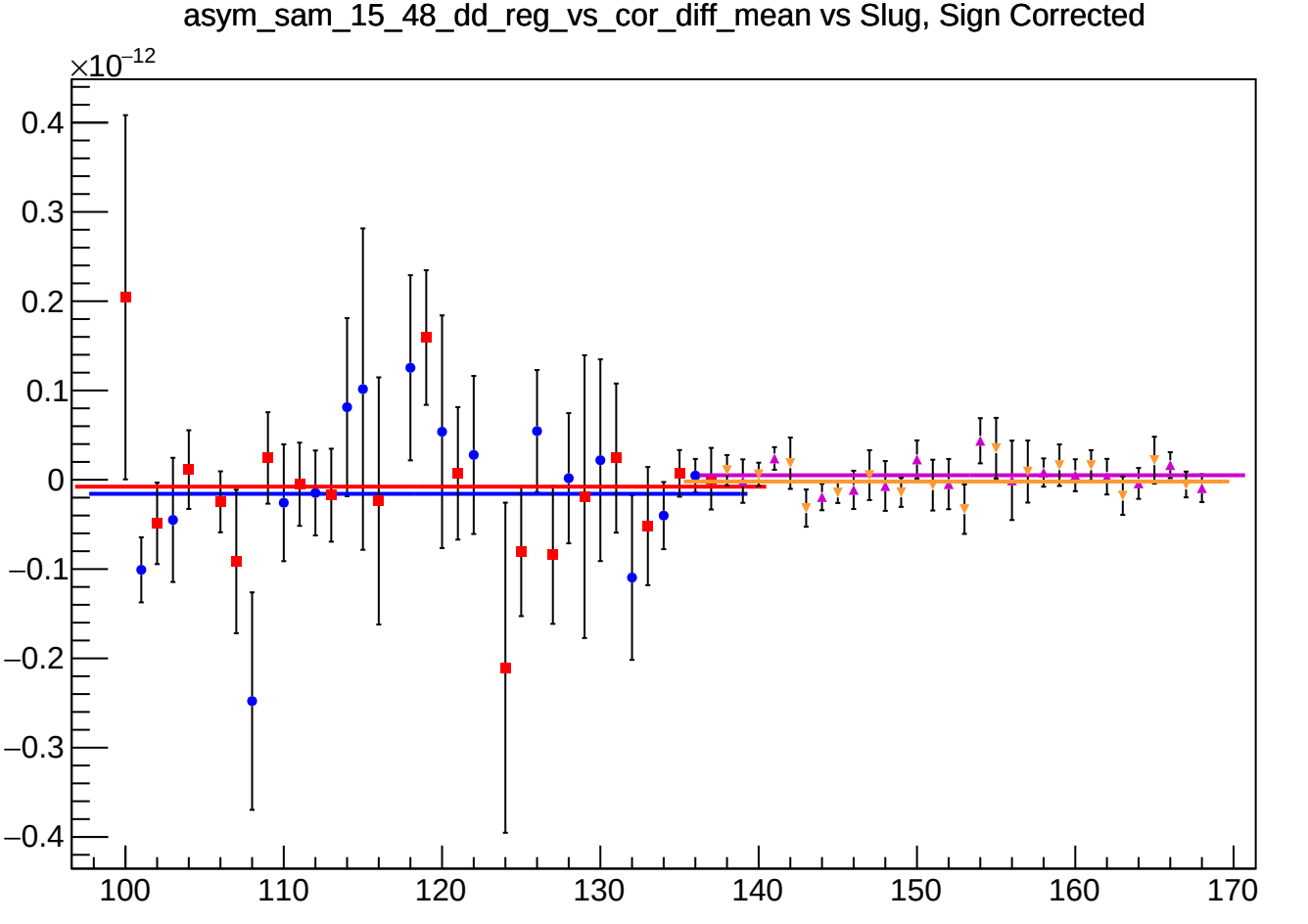
Left: 466.956+/-0.067 χ^2/NDF: 1591753.7/30

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 503.972+/-0.083 χ^2/NDF:2162609.8/30

Out: 504.492+/-0.082 χ^2/NDF:2224920.1/34

All: 504.235+/-0.058 χ^2/NDF: 4387549.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/14

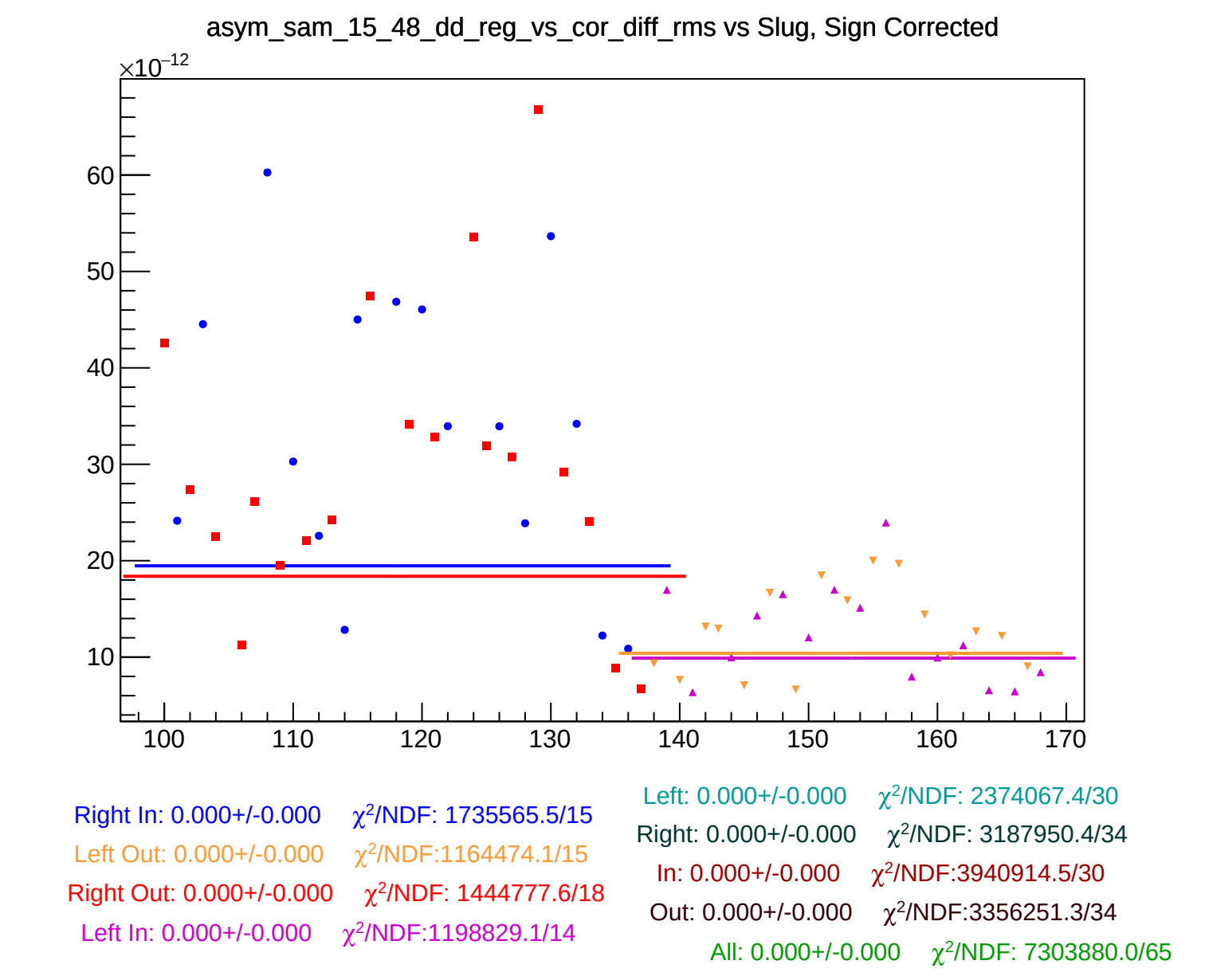
Left: 0.000+/-0.000 χ^2/NDF: 22.8/30

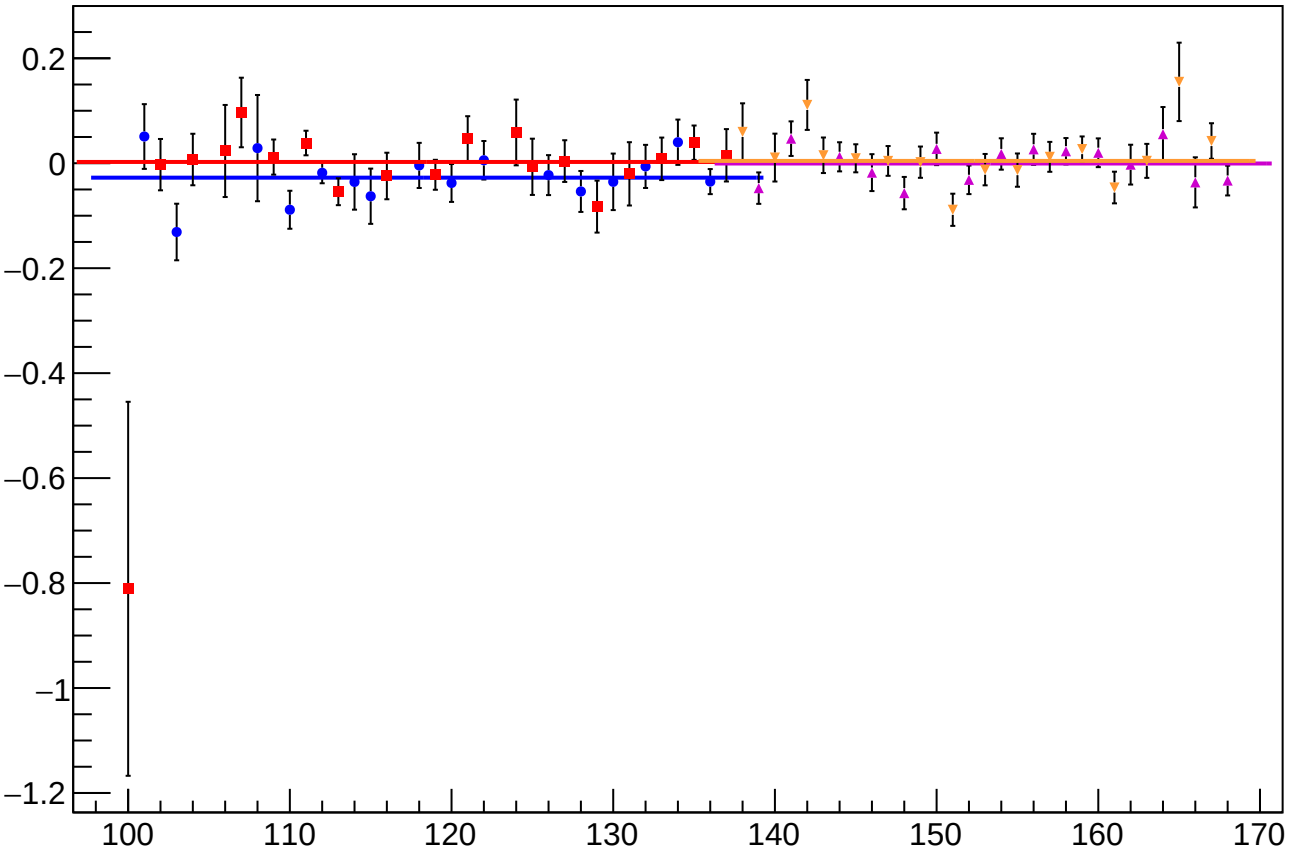
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:30.0/30

Out: -0.000+/-0.000 χ^2/NDF:24.2/34

All: -0.000+/-0.000 χ^2/NDF: 54.8/65


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1164474.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1198829.1/14
Left: 0.000+/-0.000 χ²/NDF: 2374067.4/30
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3940914.5/30
Out: 0.000+/-0.000 χ²/NDF:3356251.3/34
All: 0.000+/-0.000 χ²/NDF: 7303880.0/65



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/14

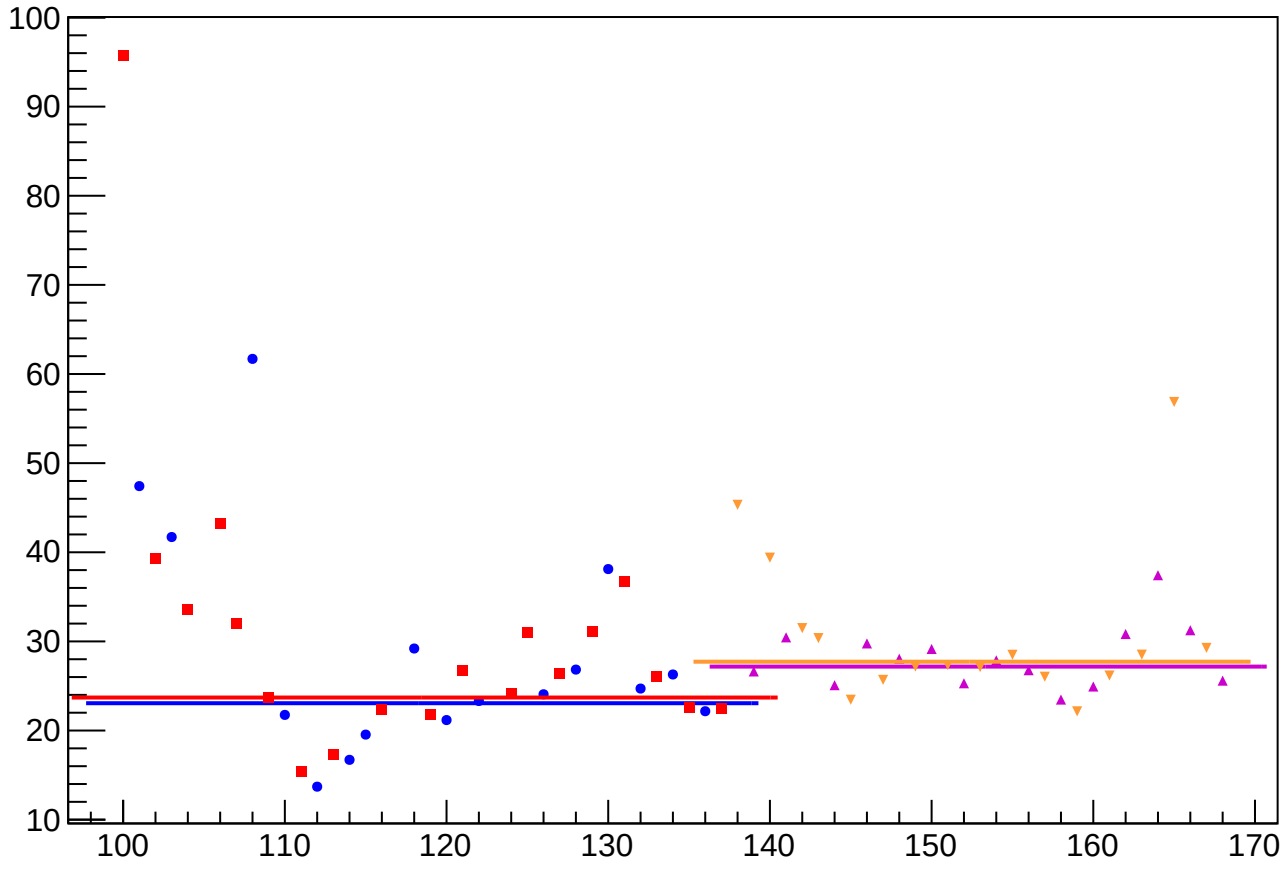
Left: 0.002+/-0.006 χ^2/NDF: 41.5/30

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:34.6/30

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/65



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.723+/-0.006 χ^2/NDF:857673.9/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.173+/-0.006 χ^2/NDF:238053.5/14

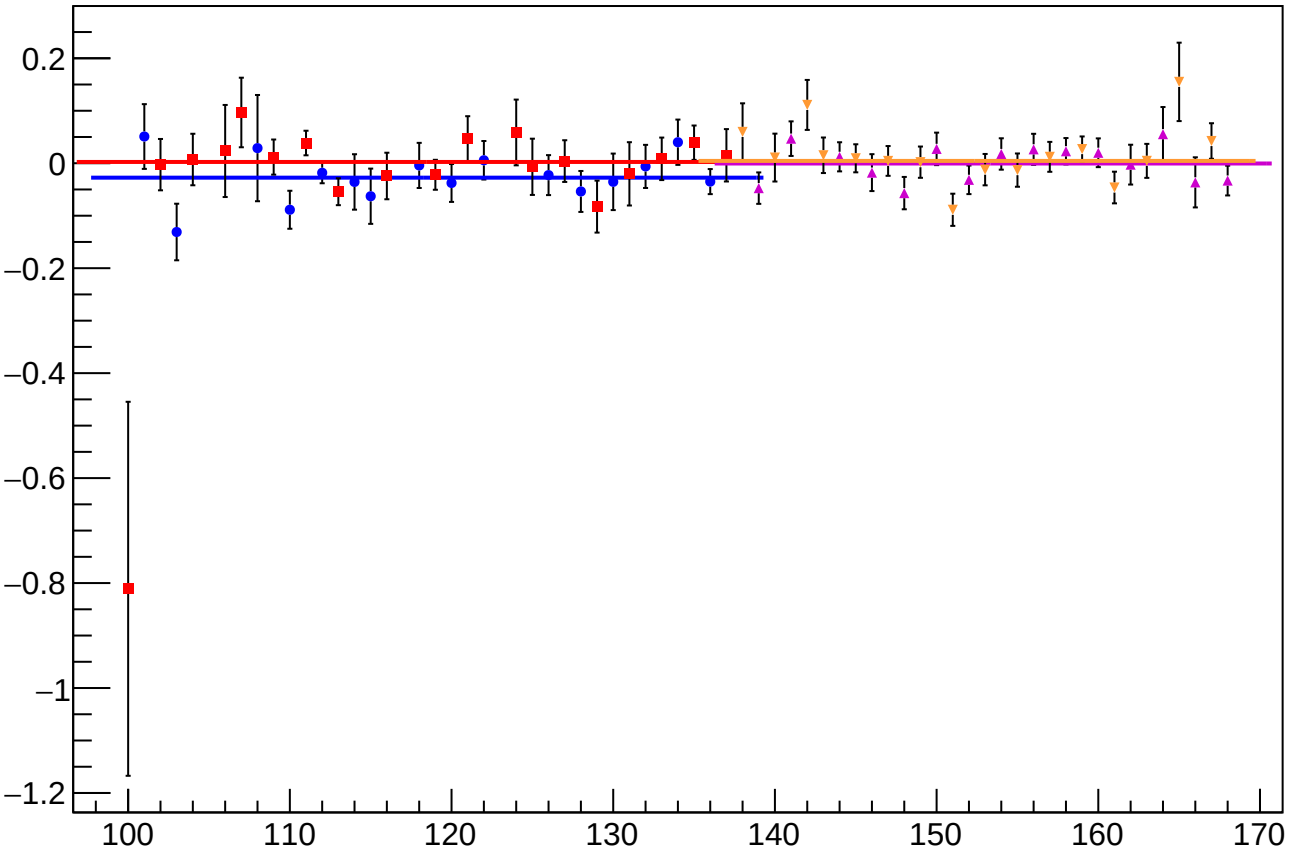
Left: 27.445+/-0.004 χ^2/NDF: 1100361.6/30

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.439+/-0.004 χ^2/NDF:2023524.9/30

Out: 25.980+/-0.004 χ^2/NDF:2158367.8/34

All: 25.709+/-0.003 χ^2/NDF: 4189730.5/65



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/14

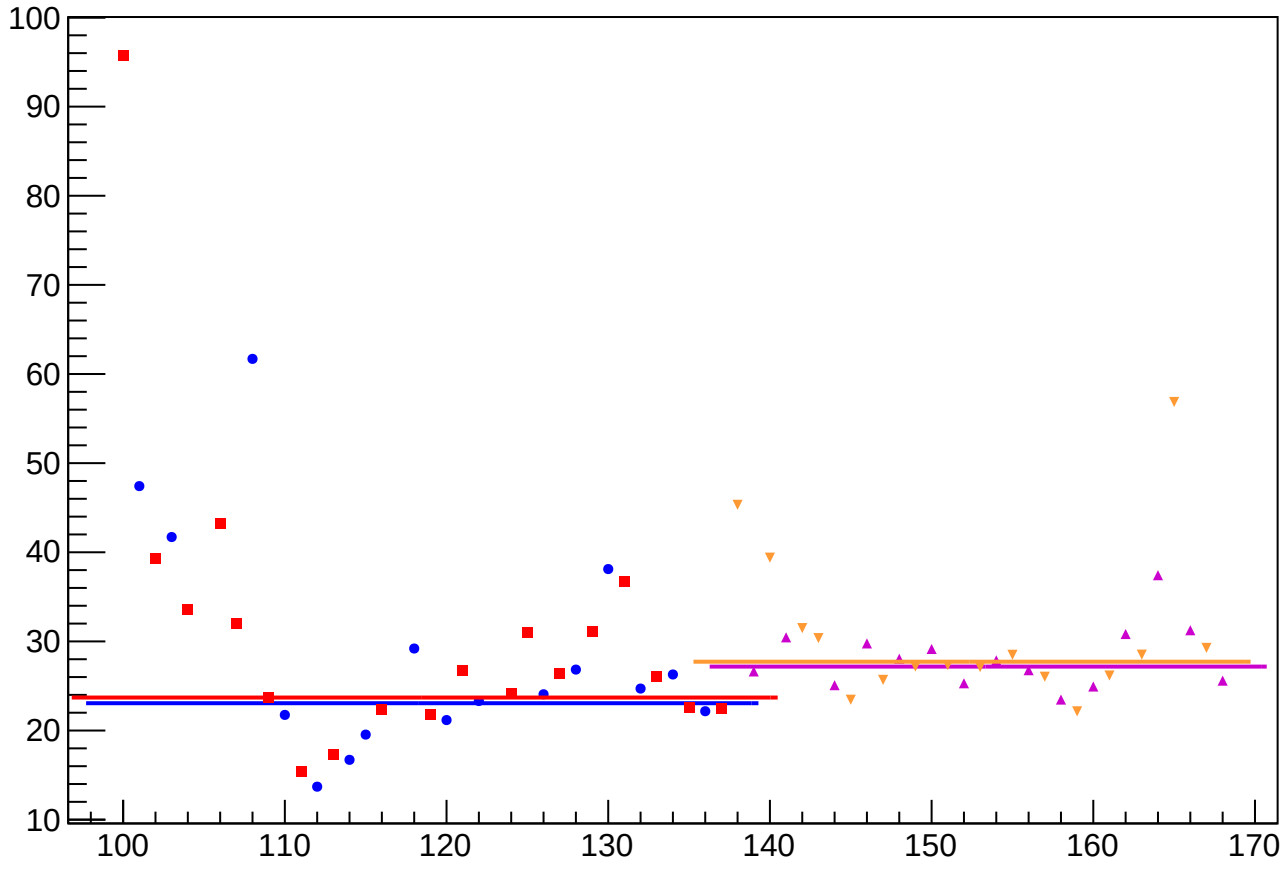
Left: 0.002+/-0.006 χ^2/NDF: 41.5/30

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:34.6/30

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/65



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.723+/-0.006 χ^2/NDF:857673.9/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.173+/-0.006 χ^2/NDF:238053.5/14

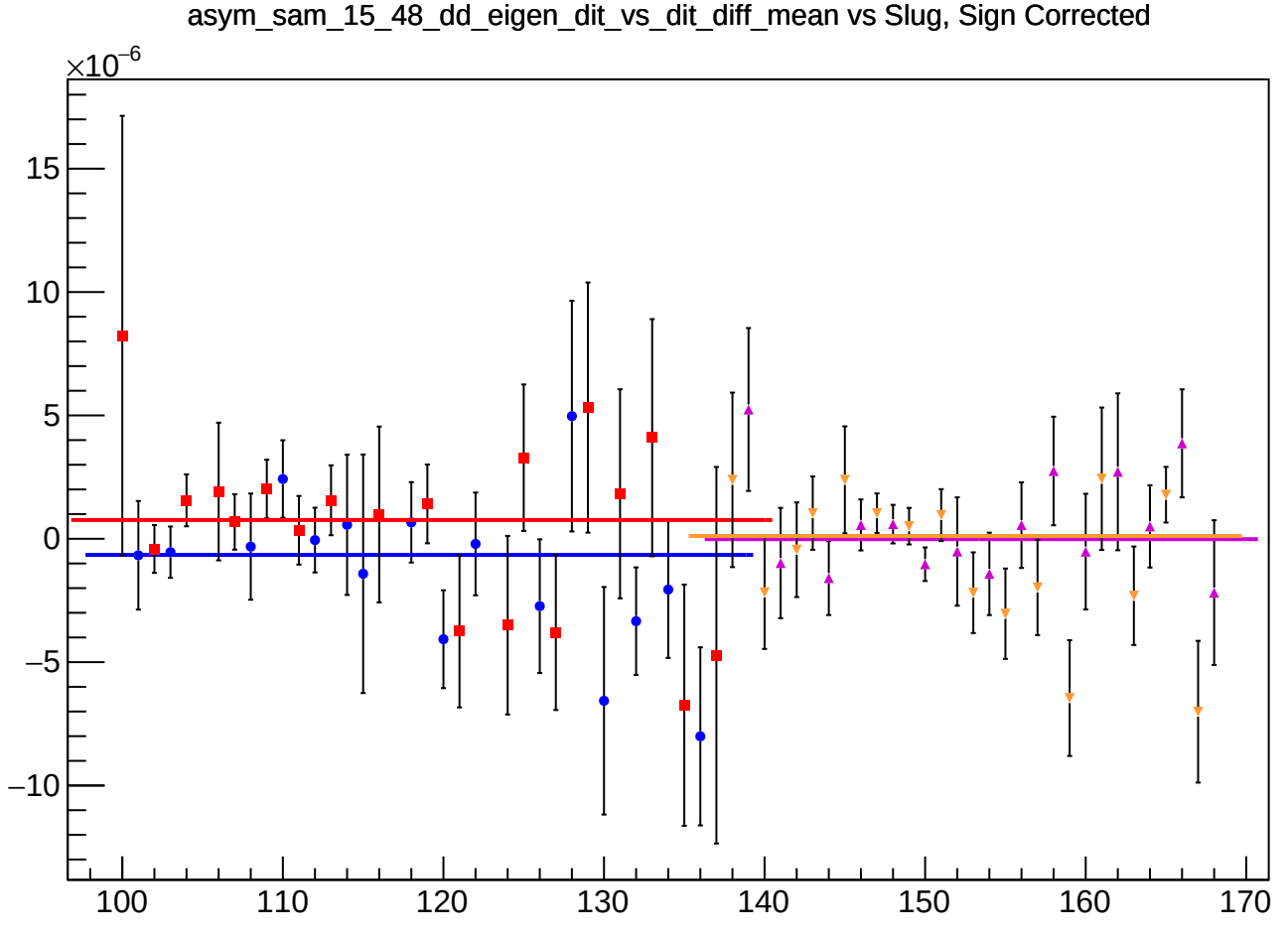
Left: 27.445+/-0.004 χ^2/NDF: 1100361.6/30

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.439+/-0.004 χ^2/NDF:2023524.9/30

Out: 25.980+/-0.004 χ^2/NDF:2158367.8/34

All: 25.709+/-0.003 χ^2/NDF: 4189730.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/14

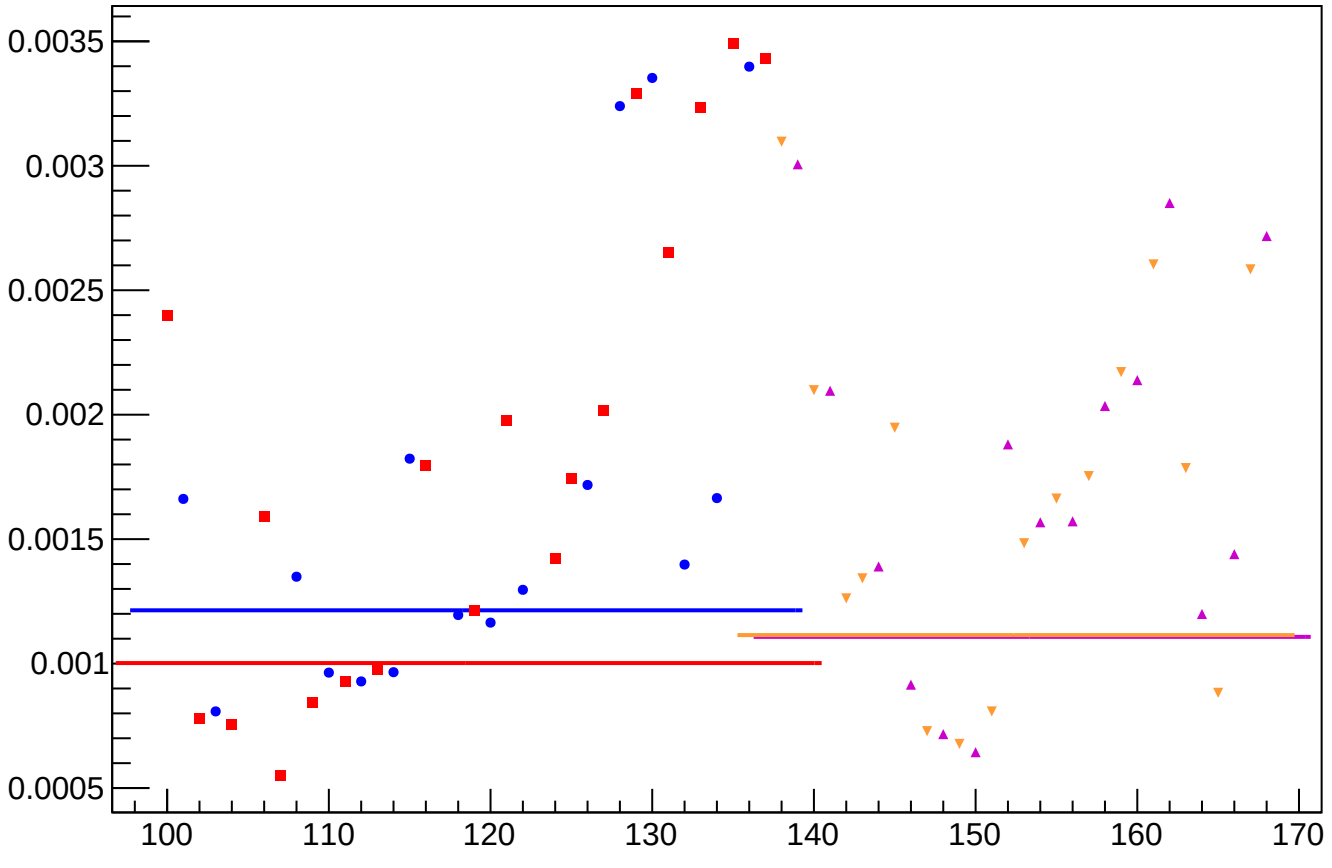
Left: 0.000+/-0.000 χ^2/NDF: 43.7/30

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:32.6/30

Out: 0.000+/-0.000 χ^2/NDF:46.2/34

All: 0.000+/-0.000 χ^2/NDF: 81.2/65



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4950883.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5159813.5/14

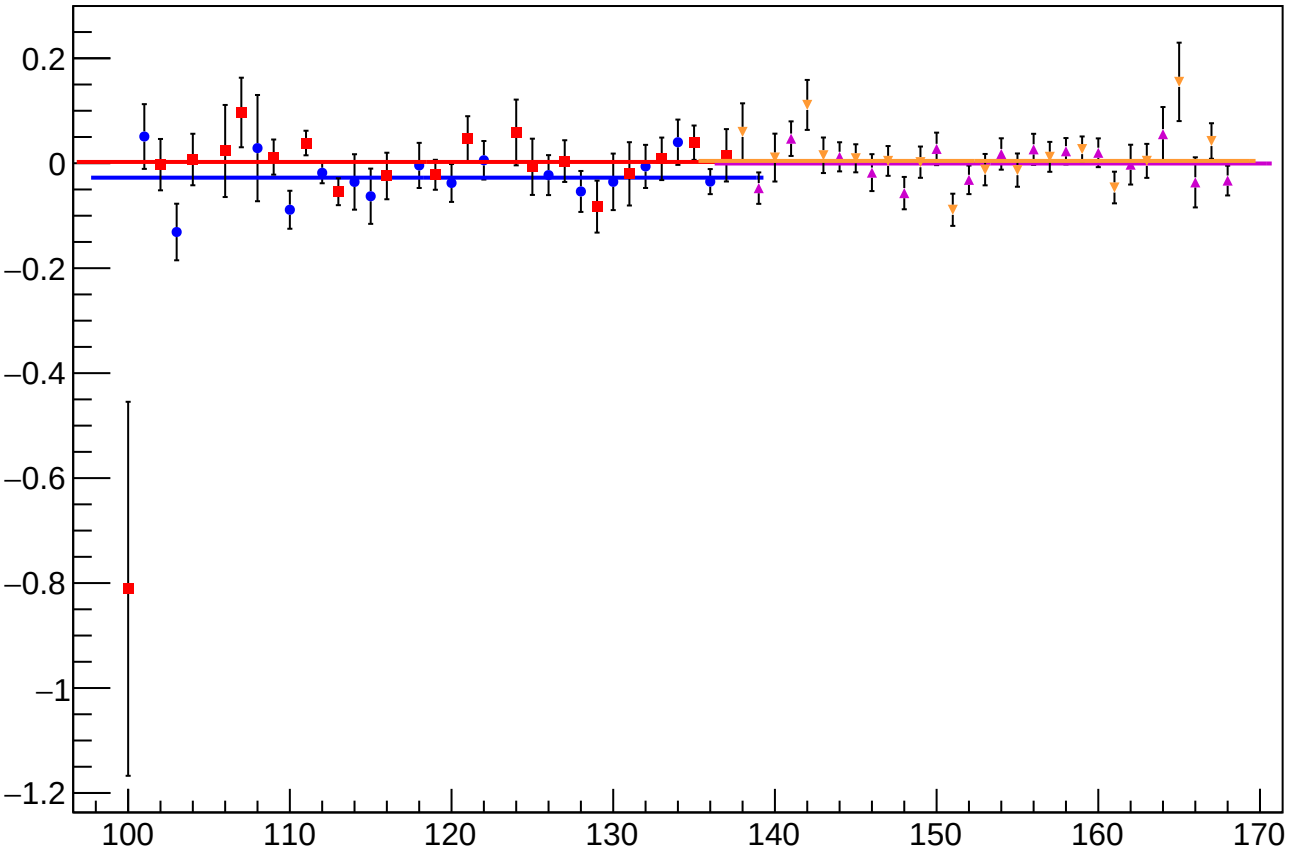
Left: 0.001+/-0.000 χ^2/NDF: 10111091.1/30

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:7486798.3/30

Out: 0.001+/-0.000 χ^2/NDF:8311589.5/34

All: 0.001+/-0.000 χ^2/NDF: 15872374.8/65



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/14

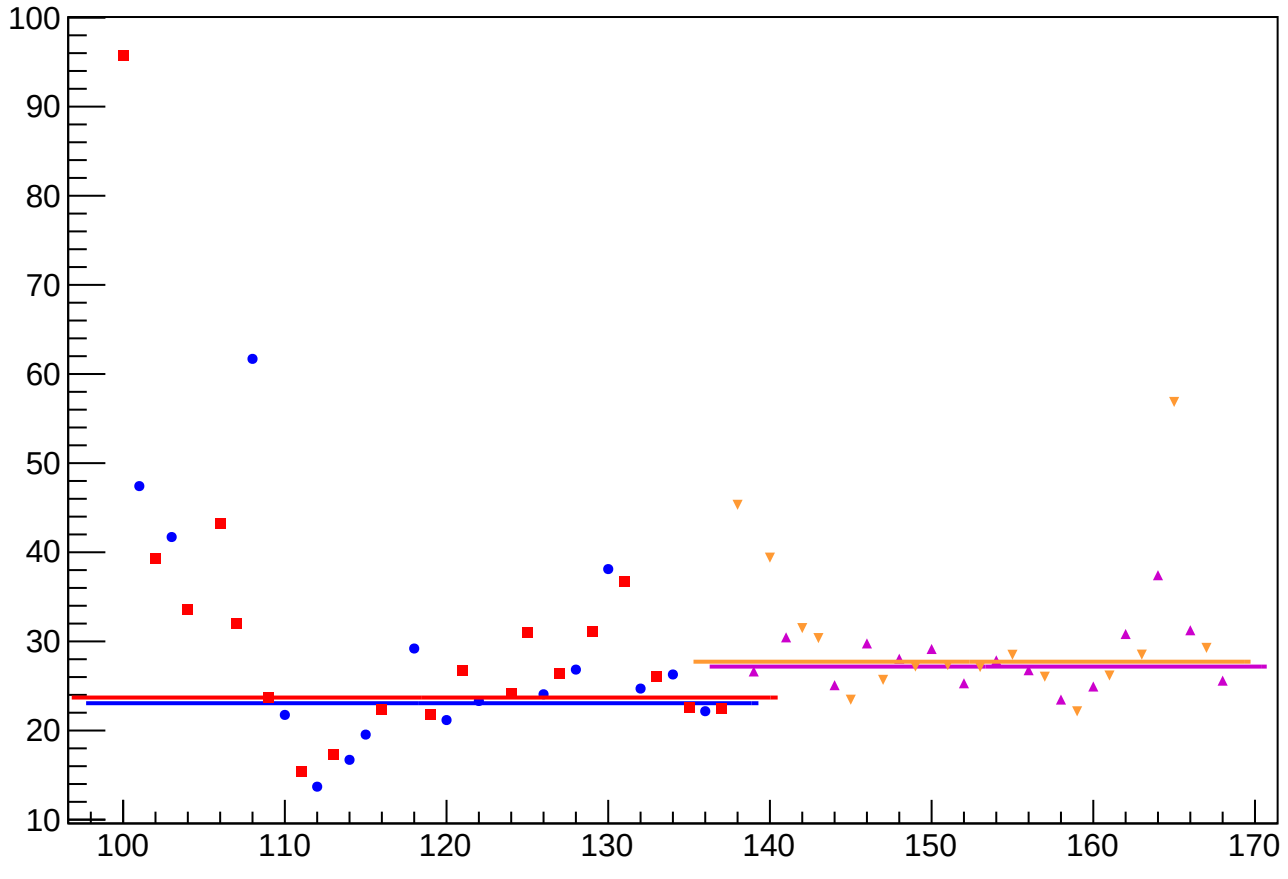
Left: 0.002+/-0.006 χ^2/NDF: 41.5/30

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:34.6/30

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/65



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.724+/-0.006 χ^2/NDF:857627.1/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.174+/-0.006 χ^2/NDF:238048.7/14

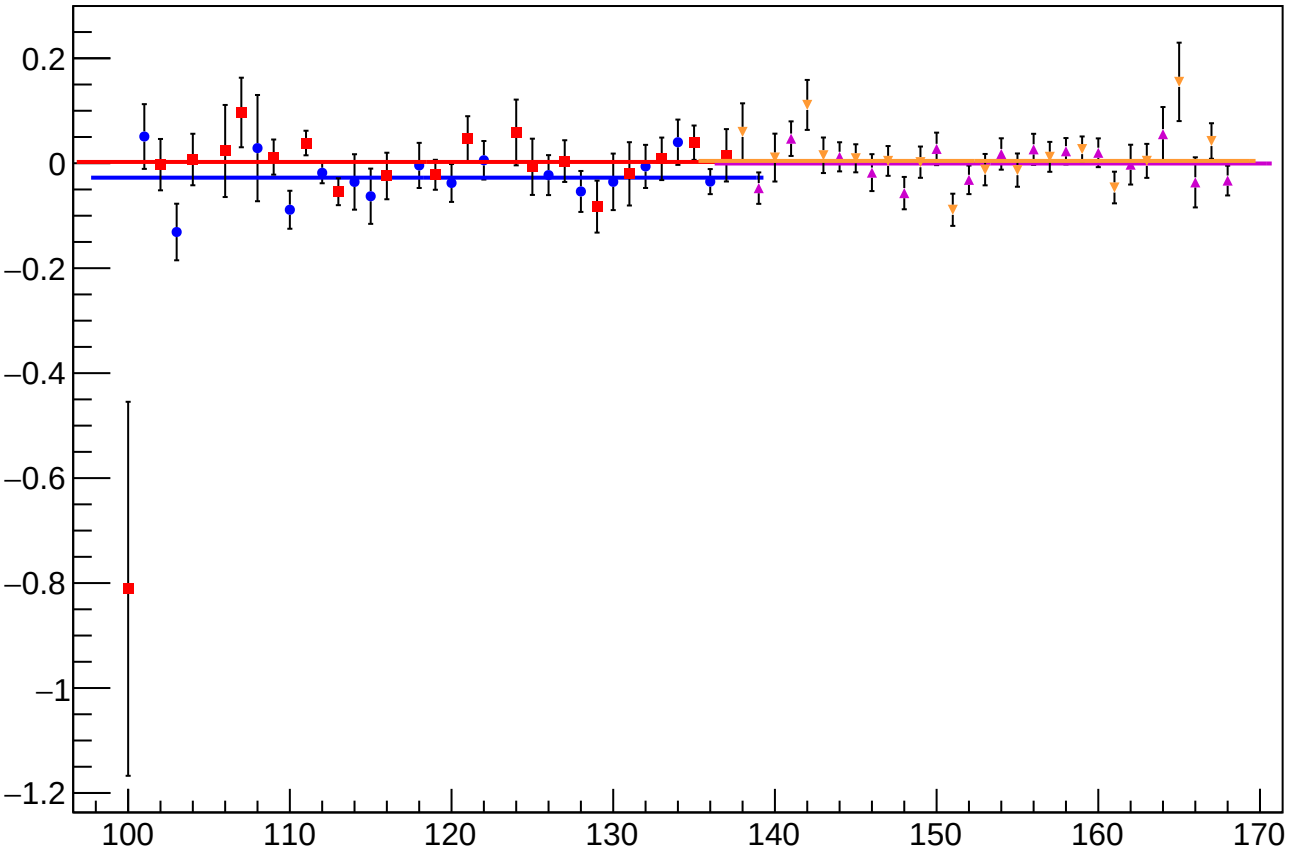
Left: 27.445+/-0.004 χ^2/NDF: 1100311.7/30

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.439+/-0.004 χ^2/NDF:2023582.0/30

Out: 25.980+/-0.004 χ^2/NDF:2158420.2/34

All: 25.709+/-0.003 χ^2/NDF: 4189840.8/65



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.008 χ^2/NDF:25.2/15

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/14

Left: 0.002+/-0.006 χ^2/NDF: 41.5/30

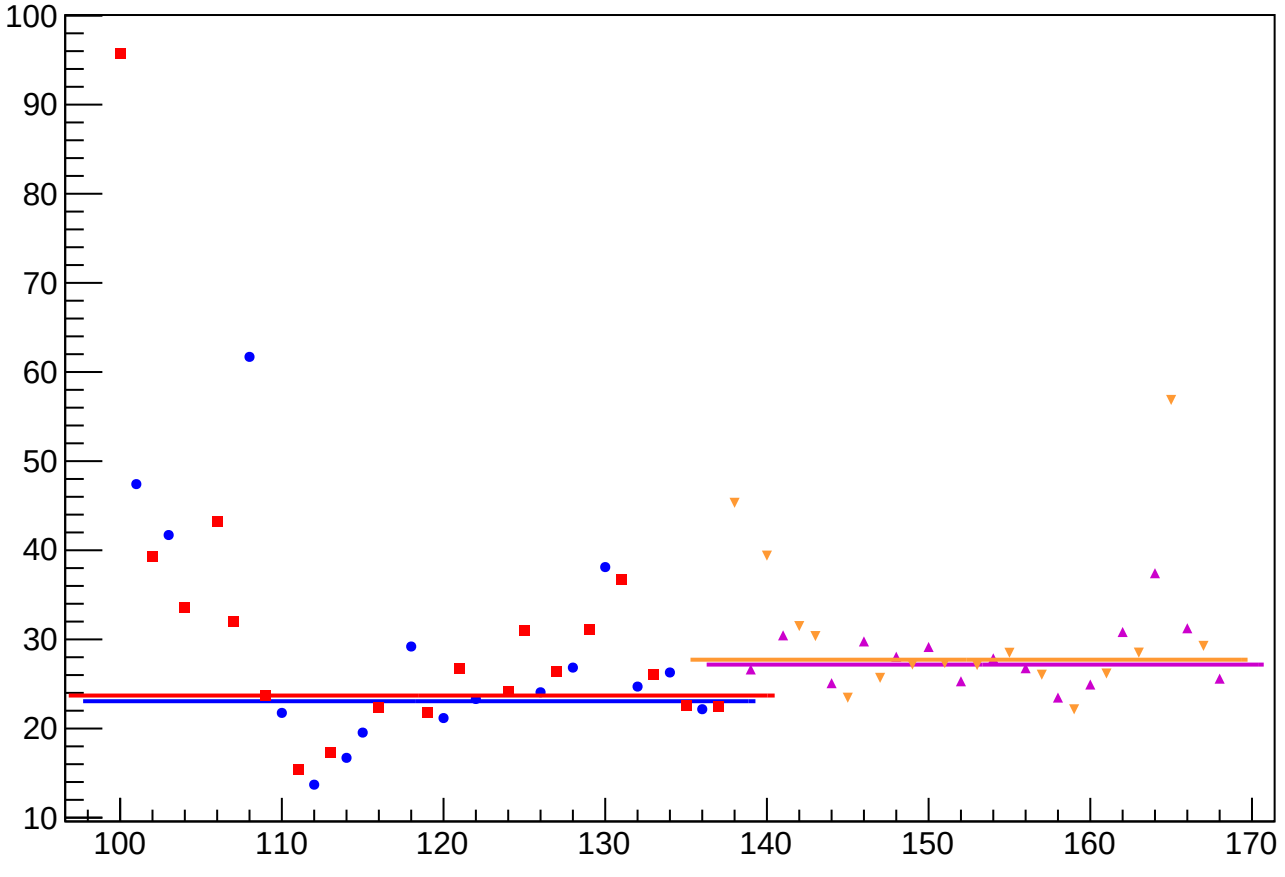
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:34.6/30

Out: 0.004+/-0.006 χ^2/NDF:47.3/34

All: -0.004+/-0.004 χ^2/NDF: 85.0/65

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: 27.724+/-0.006 χ^2/NDF:857627.1/15

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.174+/-0.006 χ^2/NDF:238048.7/14

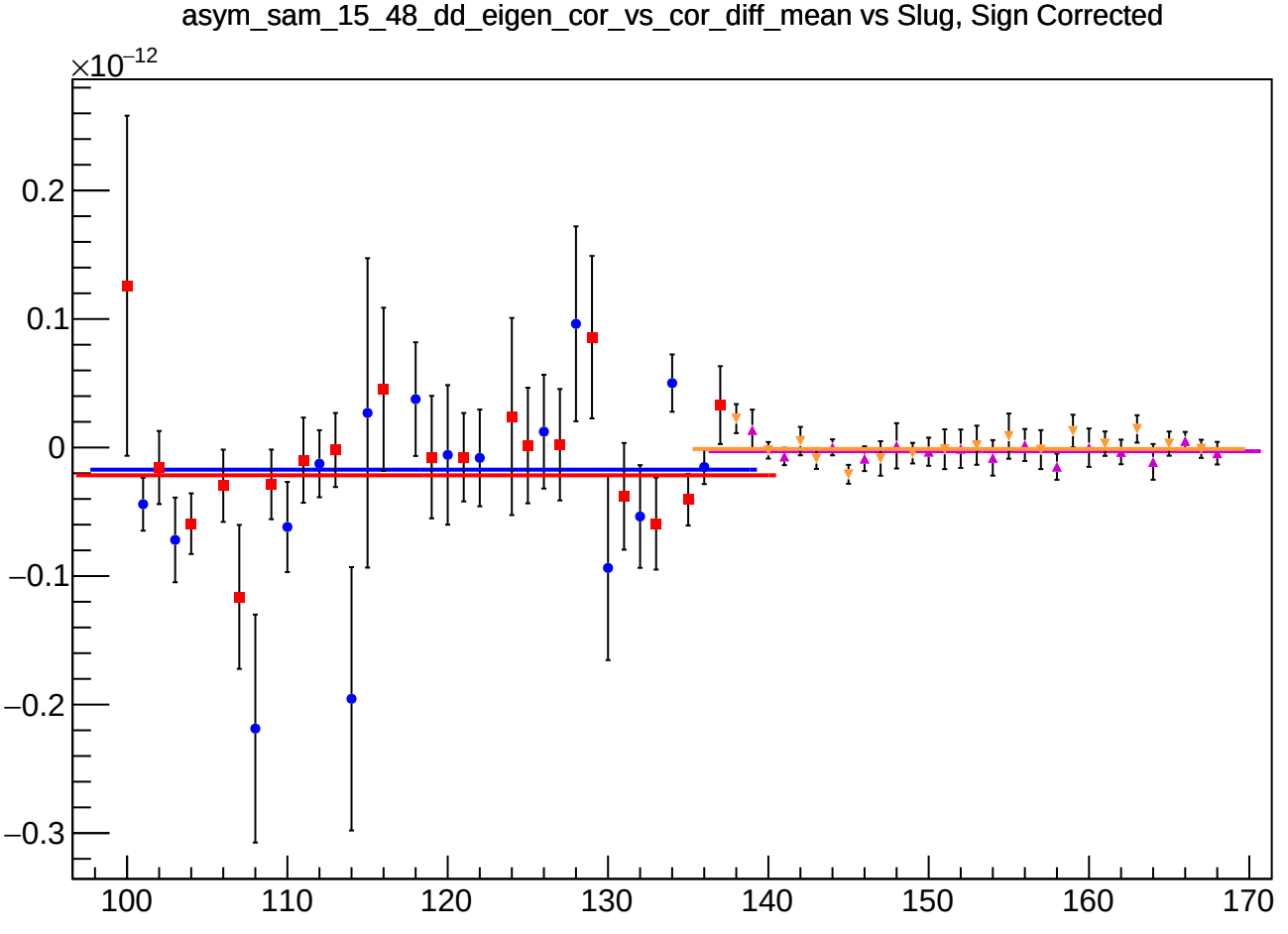
Left: 27.445+/-0.004 χ^2/NDF: 1100311.7/30

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.439+/-0.004 χ^2/NDF:2023582.0/30

Out: 25.980+/-0.004 χ^2/NDF:2158420.2/34

All: 25.709+/-0.003 χ^2/NDF: 4189840.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/14

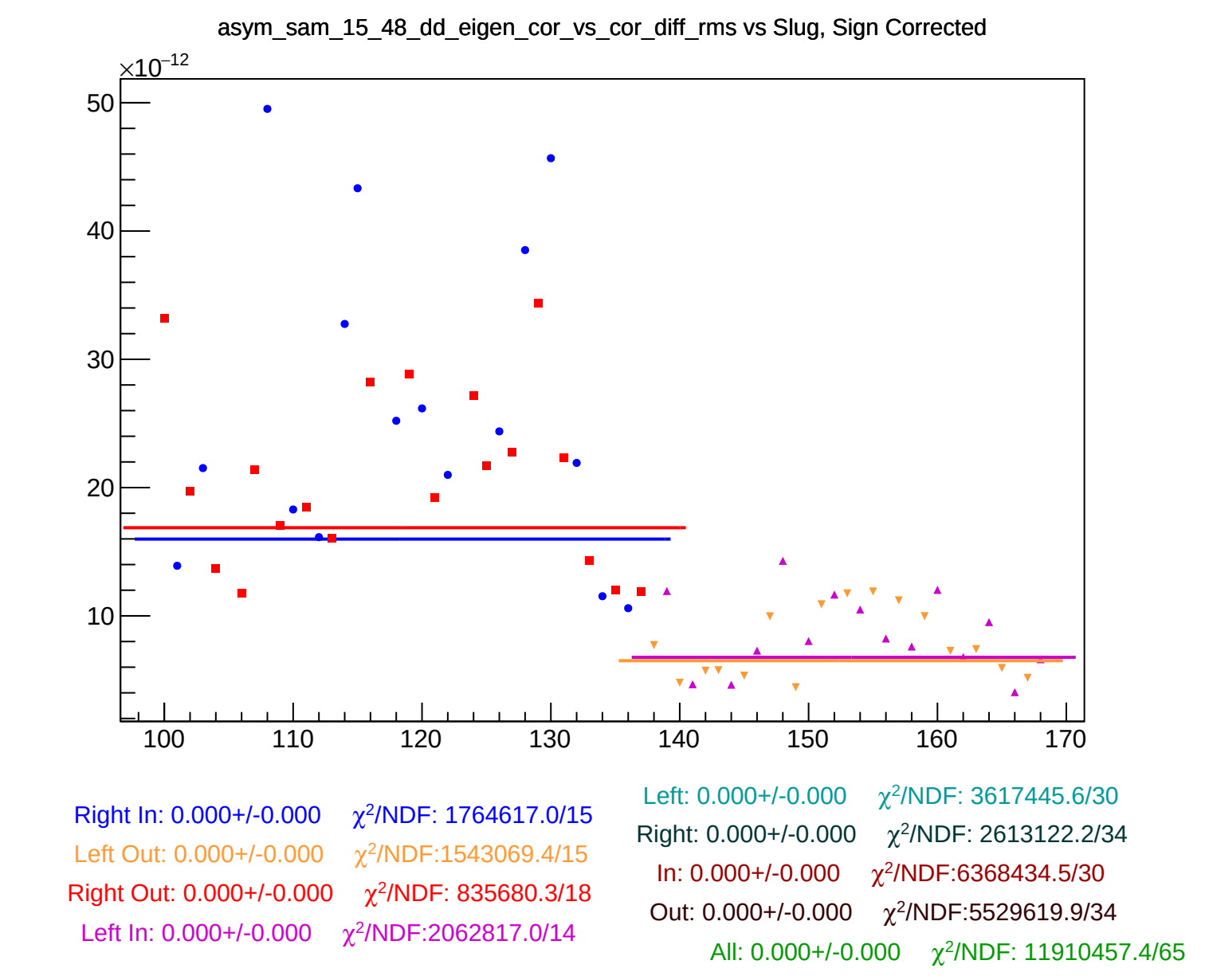
Left: -0.000+/-0.000 χ^2/NDF: 23.0/30

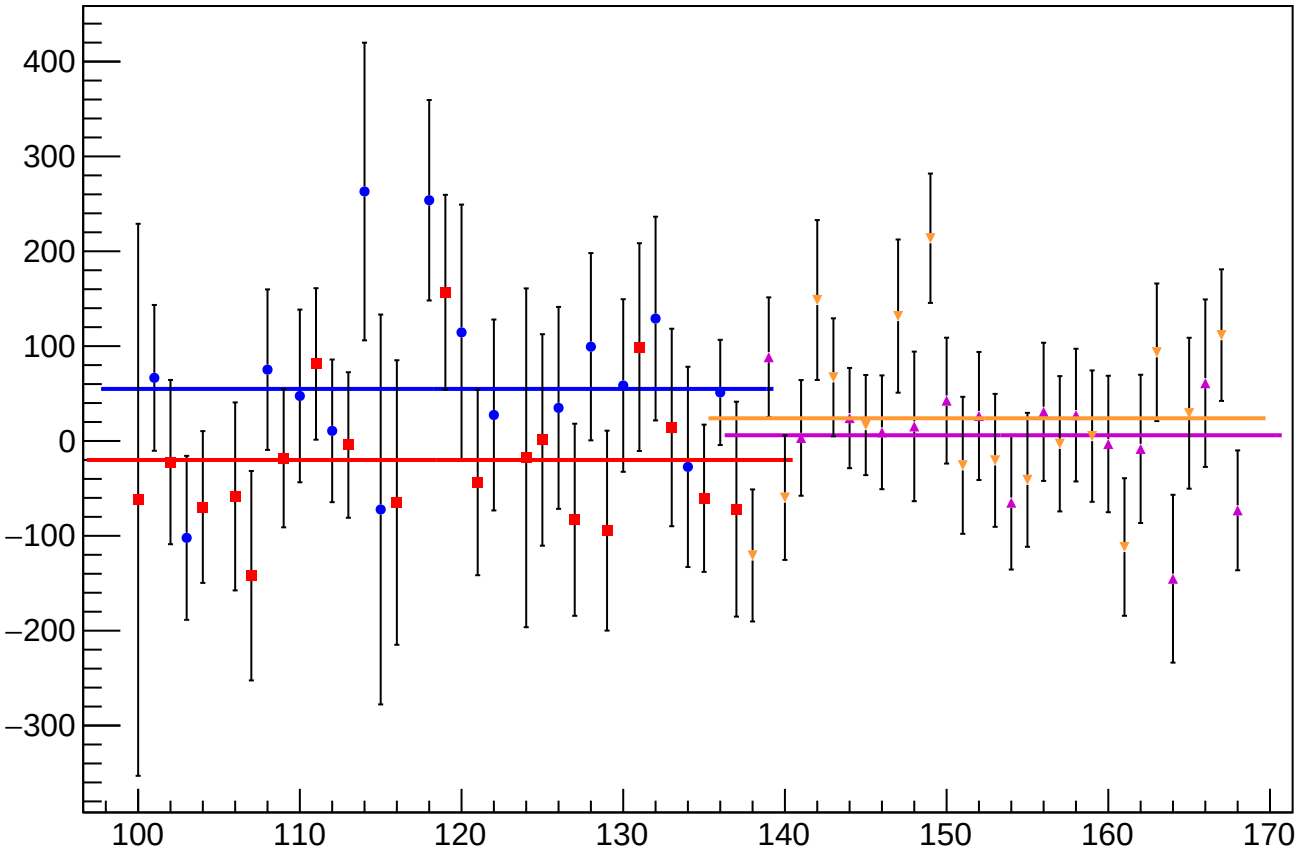
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:38.4/30

Out: -0.000+/-0.000 χ^2/NDF:41.4/34

All: -0.000+/-0.000 χ^2/NDF: 80.1/65


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1543069.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2062817.0/14
Left: 0.000+/-0.000 χ²/NDF: 3617445.6/30
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:6368434.5/30
Out: 0.000+/-0.000 χ²/NDF:5529619.9/34
All: 0.000+/-0.000 χ²/NDF: 11910457.4/65



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.939+/-17.376 χ^2/NDF:26.1/15

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 6.042+/-17.619 χ^2/NDF:8.4/14

Left: 15.115+/-12.372 χ^2/NDF: 35.0/30

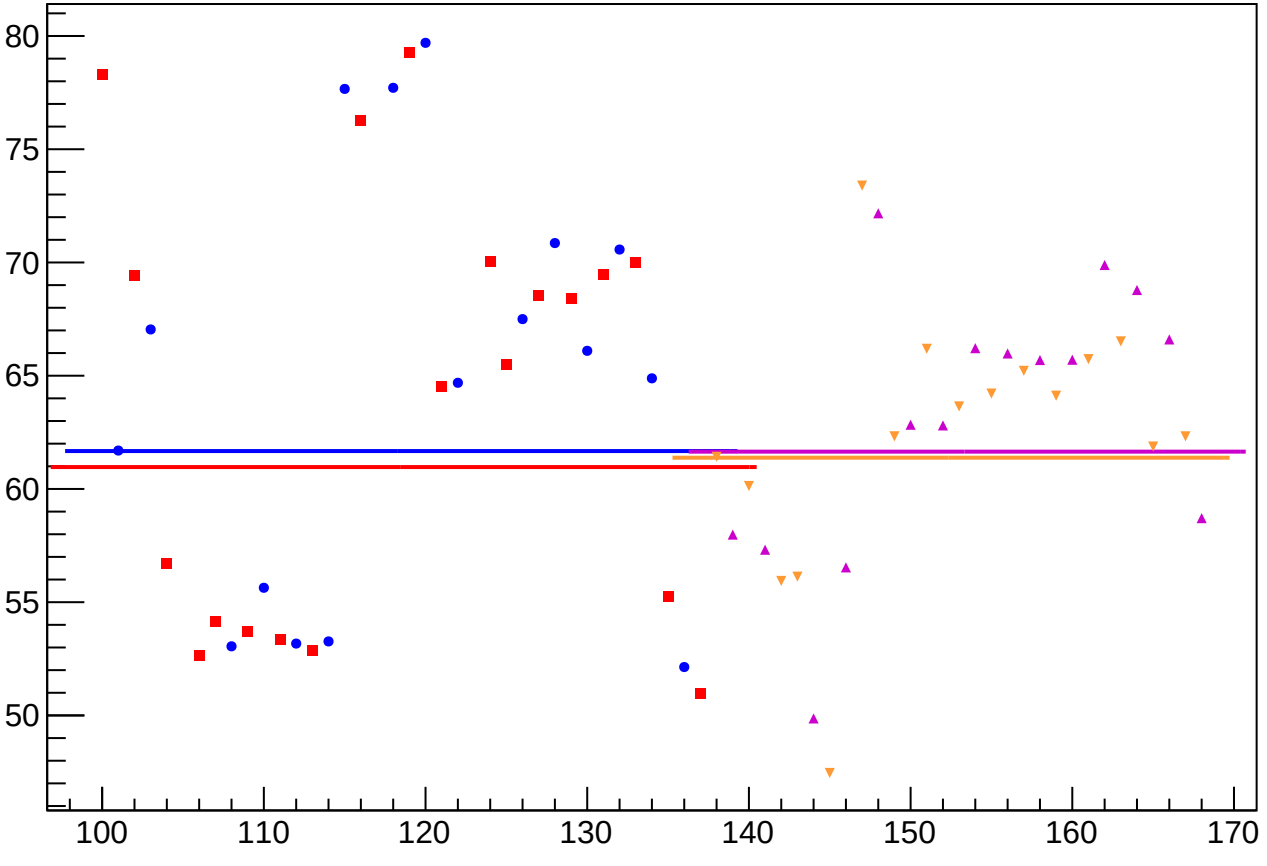
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 23.928+/-14.027 χ^2/NDF:22.2/30

Out: 7.582+/-13.768 χ^2/NDF:37.7/34

All: 15.603+/-9.826 χ^2/NDF: 60.6/65

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

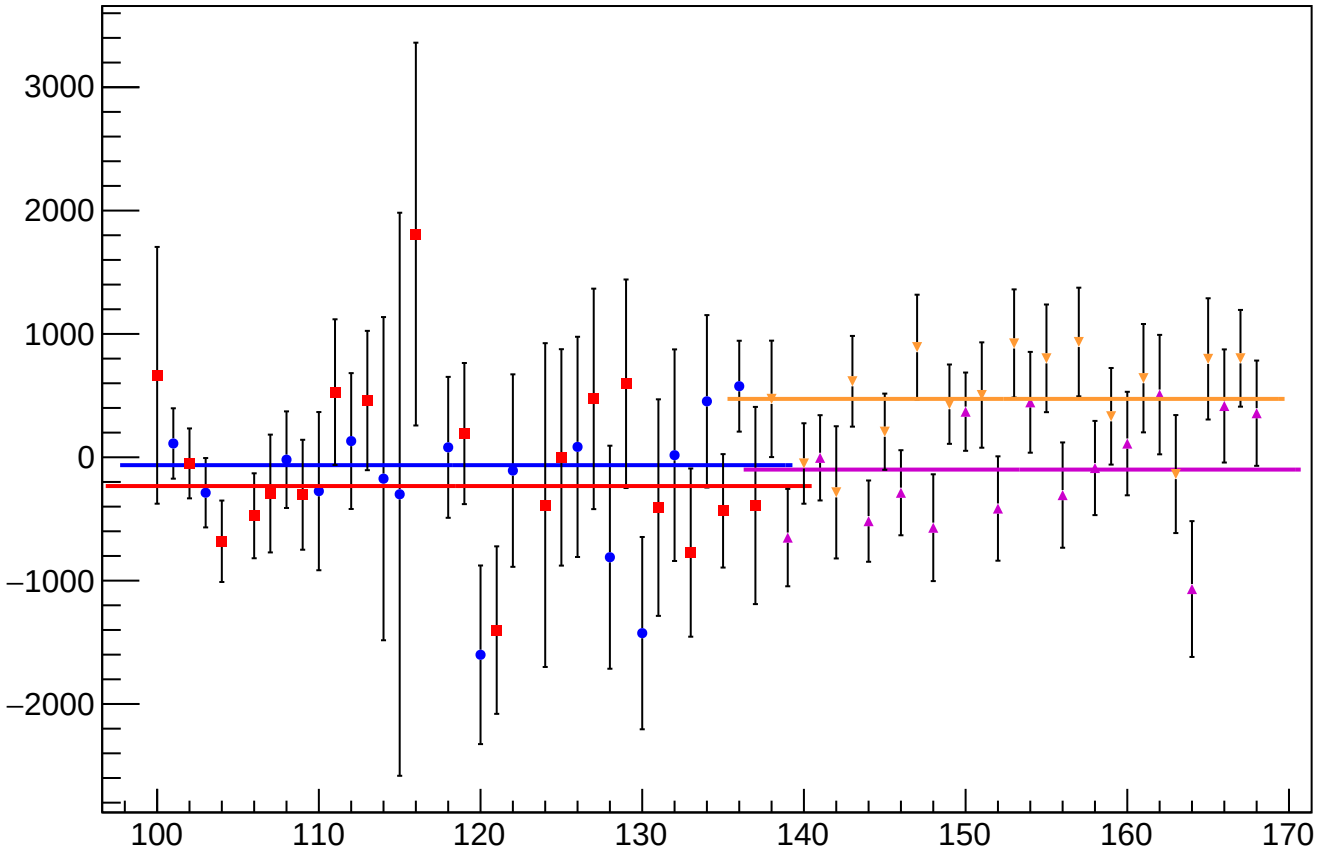
Left: 61.511+/-0.009 χ^2/NDF: 490104.0/30

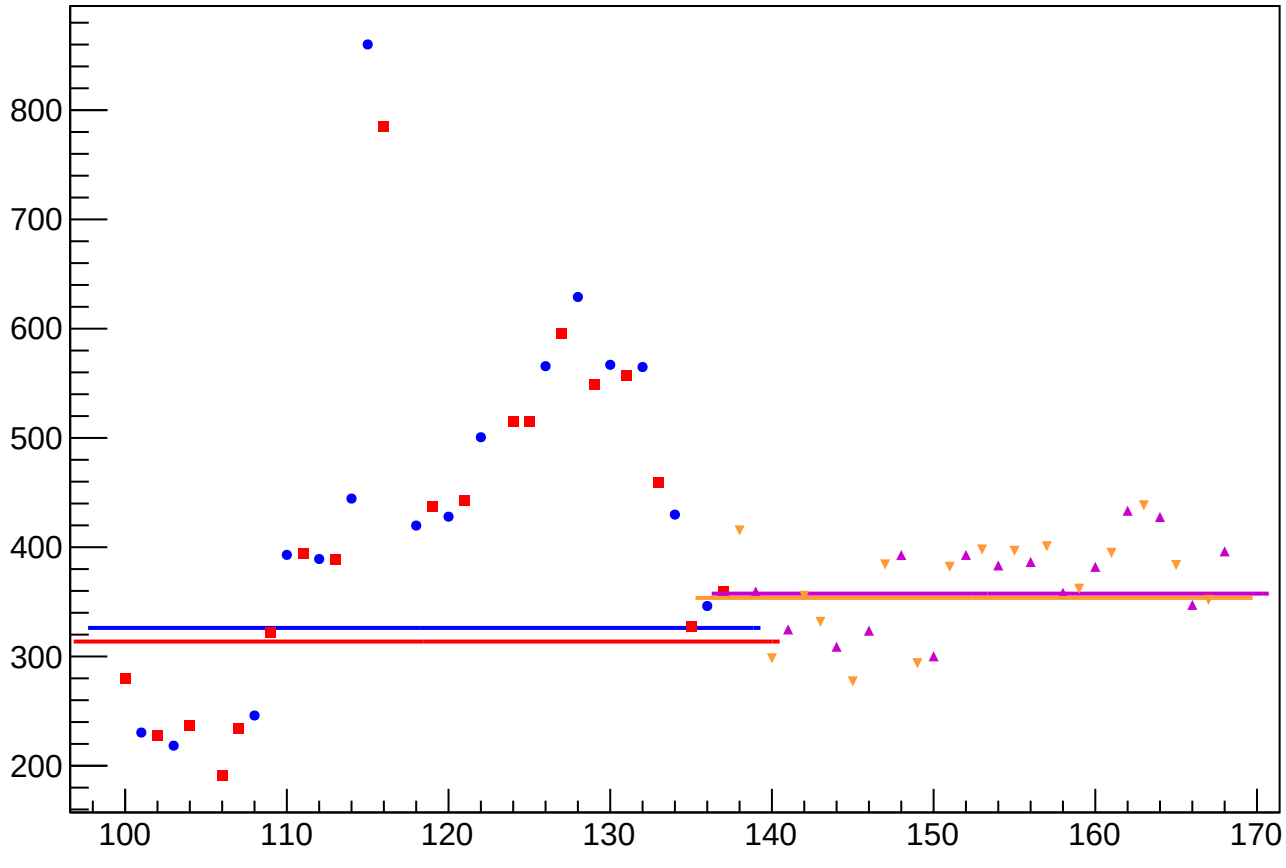
Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.657+/-0.010 χ^2/NDF:509086.8/30

Out: 61.226+/-0.010 χ^2/NDF:532494.6/34

All: 61.437+/-0.007 χ^2/NDF: 1042544.1/65


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 473.361+/-100.883 χ²/NDF:12.2/15
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -99.733+/-102.550 χ²/NDF:17.2/14
Left: 191.509+/-71.917 χ²/NDF: 45.3/30
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -85.920+/-80.437 χ²/NDF:30.5/30
Out: 188.624+/-77.949 χ²/NDF:46.5/34
All: 55.663+/-55.977 χ²/NDF: 83.0/65



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.613+/-0.071 χ^2/NDF:461401.1/15

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 357.528+/-0.073 χ^2/NDF:296483.6/14

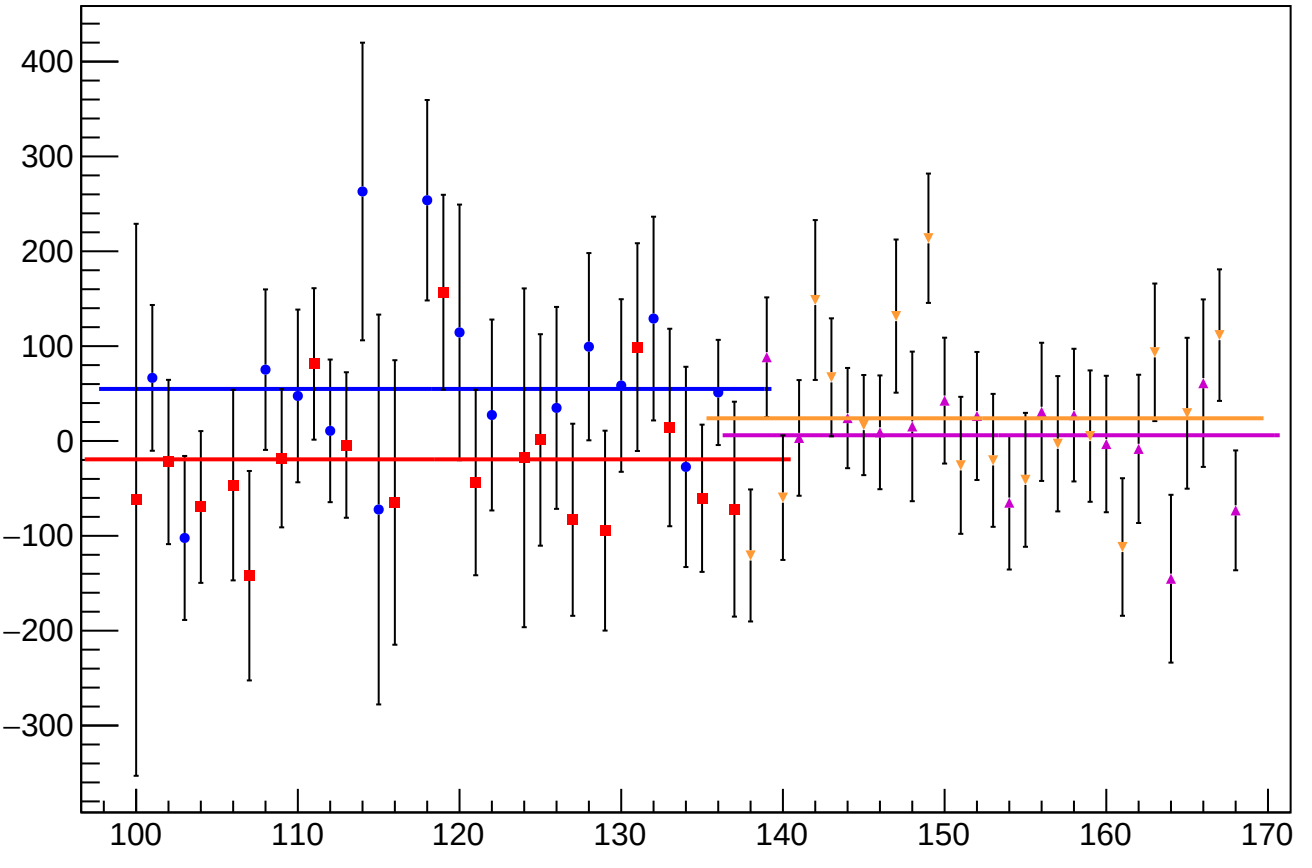
Left: 355.539+/-0.051 χ^2/NDF: 759366.6/30

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 345.454+/-0.057 χ^2/NDF:2102539.4/30

Out: 337.517+/-0.055 χ^2/NDF:2375079.7/34

All: 341.361+/-0.040 χ^2/NDF: 4487661.0/65



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 23.938+/-17.376 χ^2/NDF:26.1/15

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 6.042+/-17.619 χ^2/NDF:8.4/14

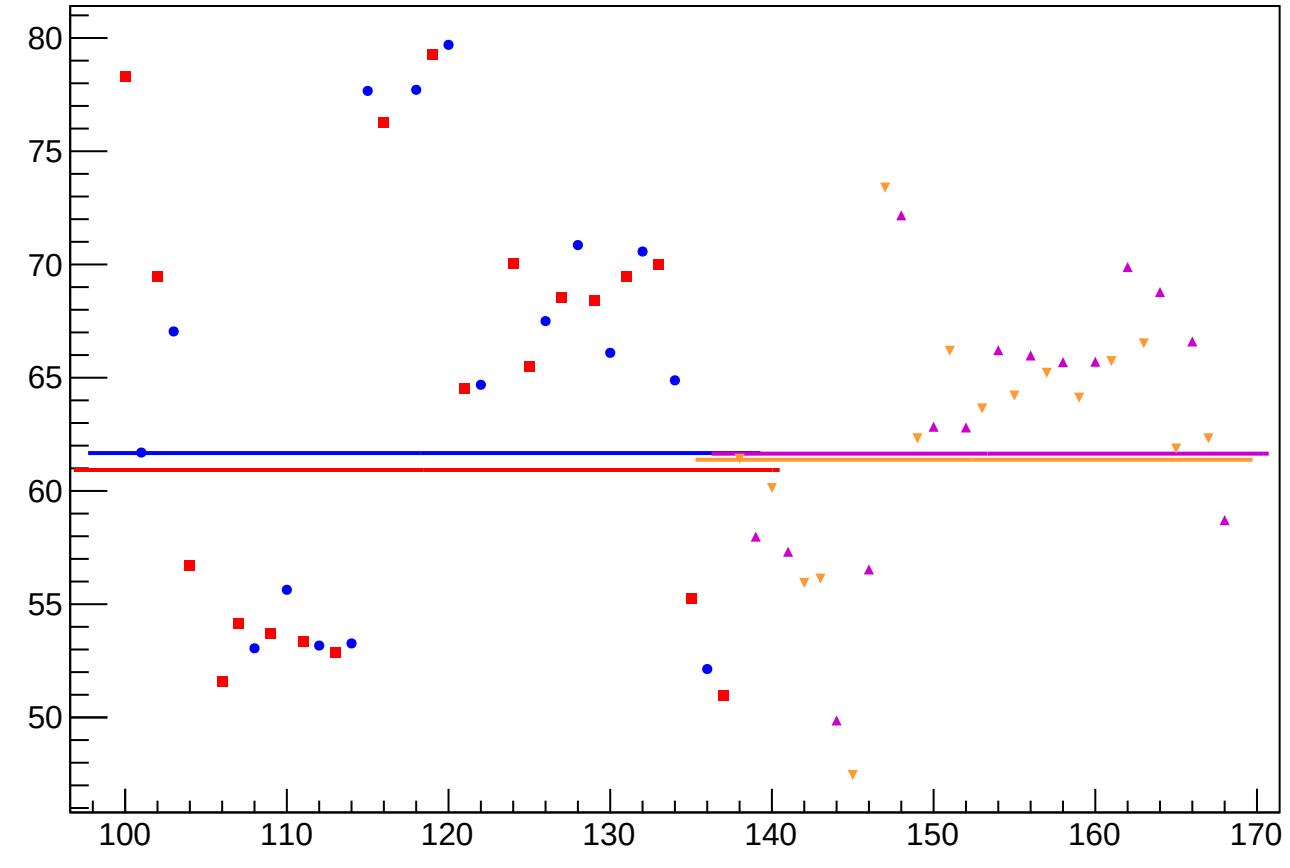
Left: 15.114+/-12.372 χ^2/NDF: 35.0/30

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 23.926+/-14.027 χ^2/NDF:22.2/30

Out: 7.844+/-13.772 χ^2/NDF:37.6/34

All: 15.738+/-9.827 χ^2/NDF: 60.5/65



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

Left: 61.511+/-0.009 χ^2/NDF: 490104.0/30

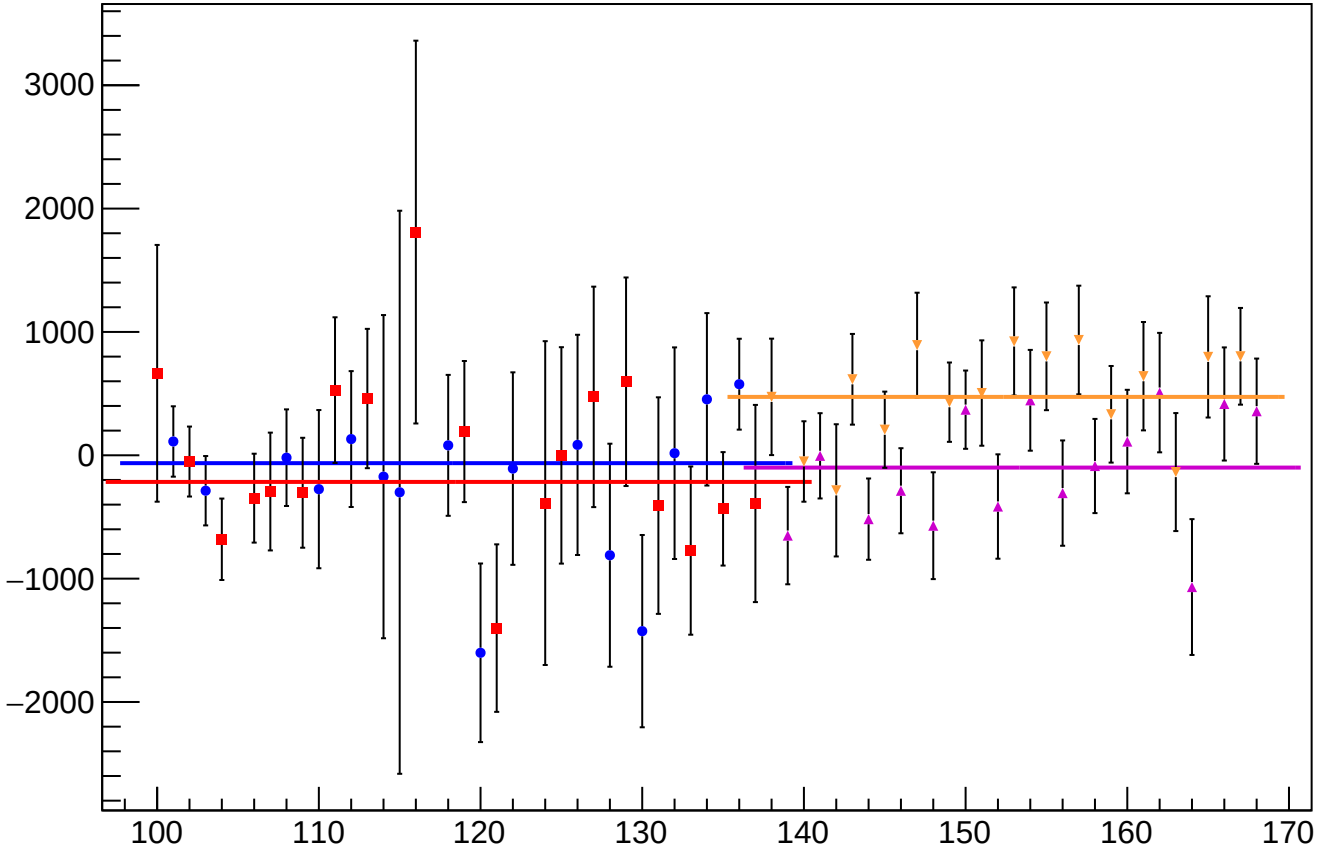
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.657+/-0.010 χ^2/NDF:509087.0/30

Out: 61.211+/-0.010 χ^2/NDF:535977.6/34

All: 61.430+/-0.007 χ^2/NDF: 1046095.3/65

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.360+/-100.883 χ^2/NDF:12.2/15

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -99.733+/-102.550 χ^2/NDF:17.2/14

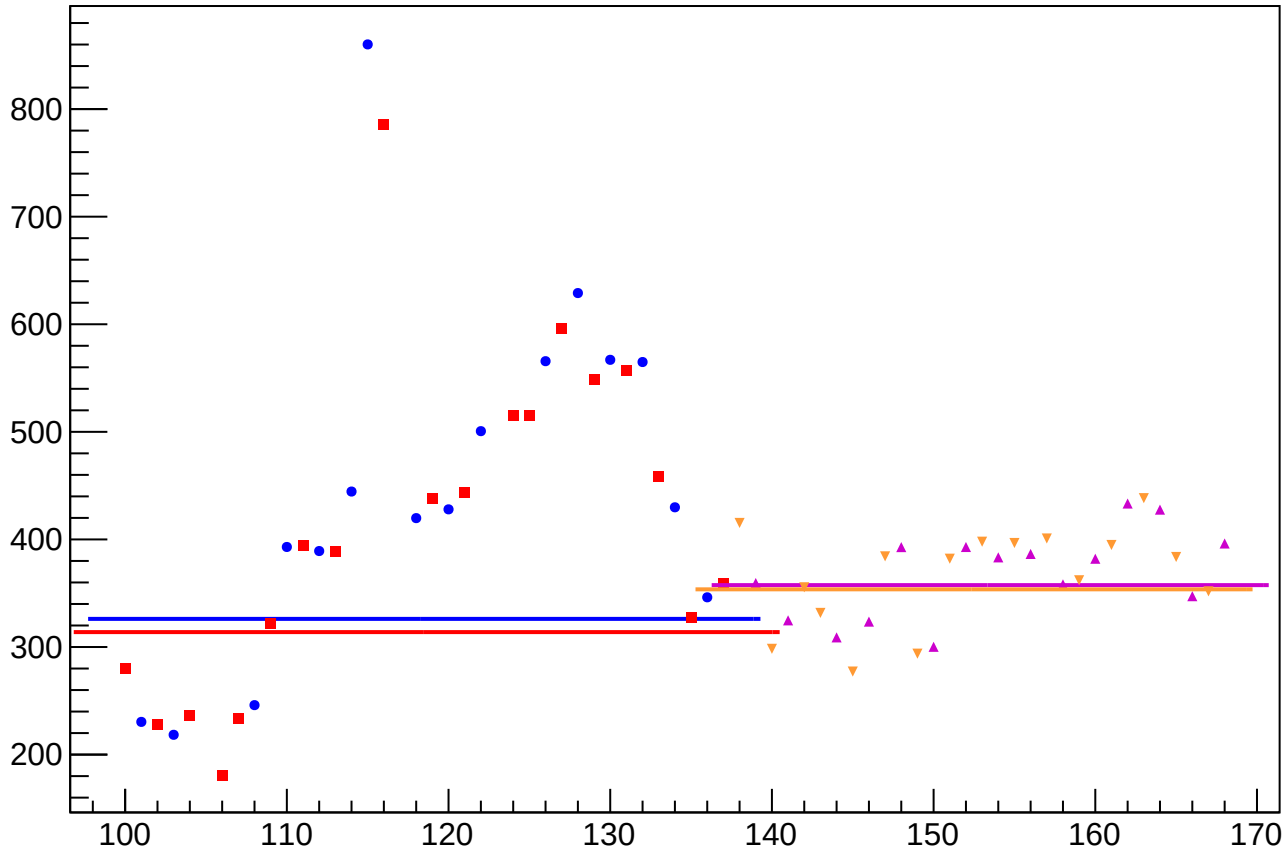
Left: 191.508+/-71.917 χ^2/NDF: 45.3/30

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -85.915+/-80.437 χ^2/NDF:30.5/30

Out: 197.477+/-78.127 χ^2/NDF:45.0/34

All: 59.908+/-56.043 χ^2/NDF: 81.8/65



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 357.529+/-0.073 χ^2/NDF:296483.8/14

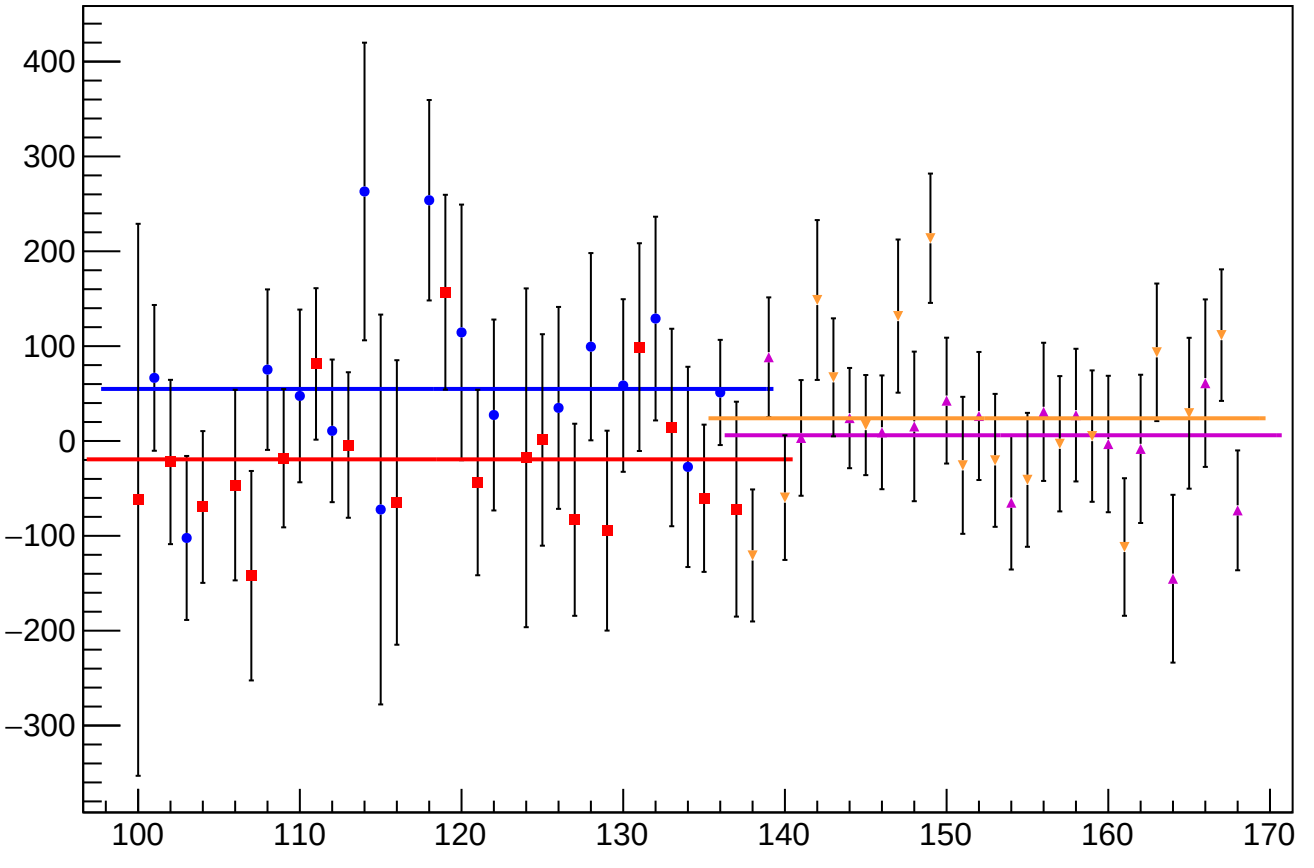
Left: 355.539+/-0.051 χ^2/NDF: 759366.1/30

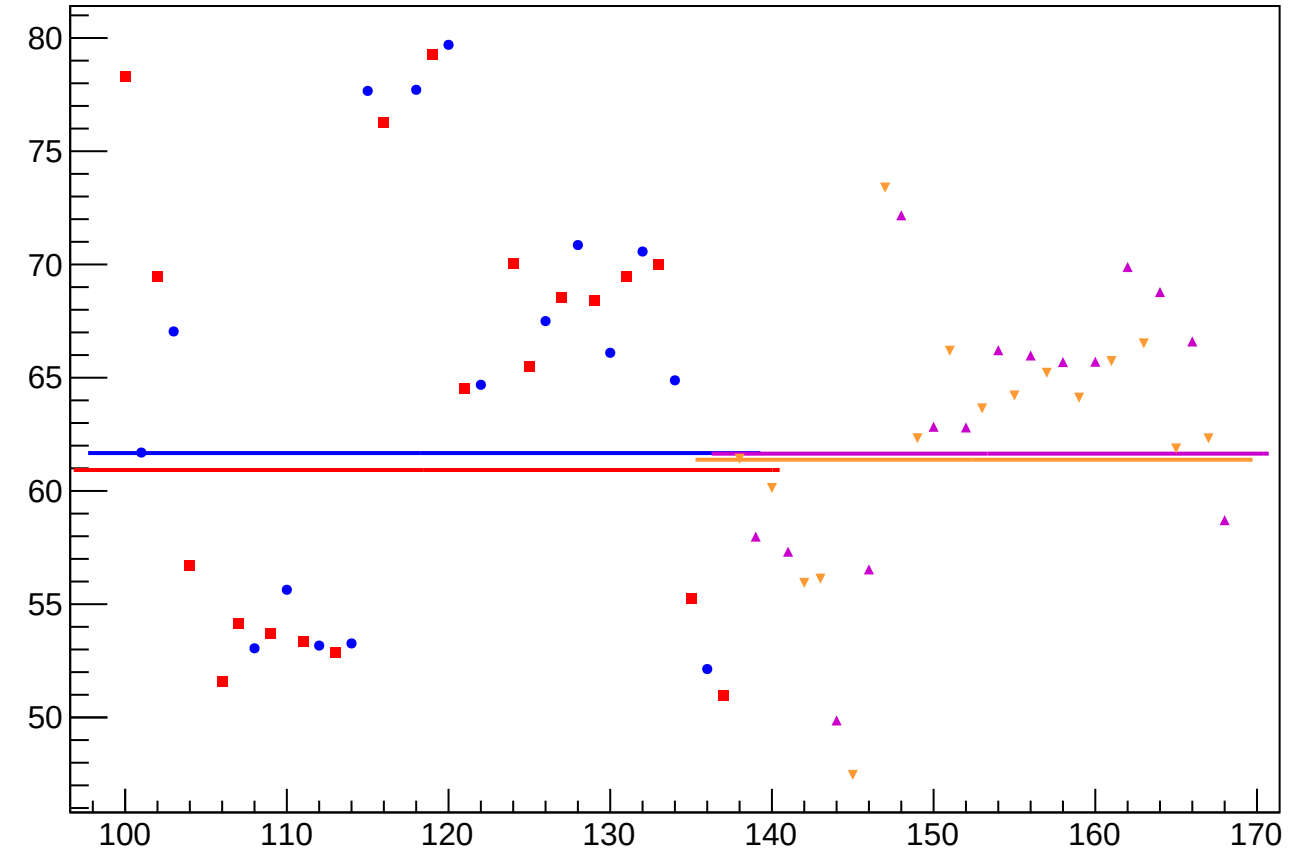
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 345.455+/-0.057 χ^2/NDF:2102465.8/30

Out: 337.702+/-0.055 χ^2/NDF:2391470.9/34

All: 341.466+/-0.040 χ^2/NDF: 4503498.5/65


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 23.938+/-17.376 χ²/NDF:26.1/15
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 6.042+/-17.619 χ²/NDF:8.4/14
Left: 15.114+/-12.372 χ²/NDF: 35.0/30
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 23.926+/-14.027 χ²/NDF:22.2/30
Out: 7.844+/-13.772 χ²/NDF:37.6/34
All: 15.738+/-9.827 χ²/NDF: 60.5/65



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.379+/-0.012 χ^2/NDF:247891.6/15

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.647+/-0.012 χ^2/NDF:241977.2/14

Left: 61.511+/-0.009 χ^2/NDF: 490104.0/30

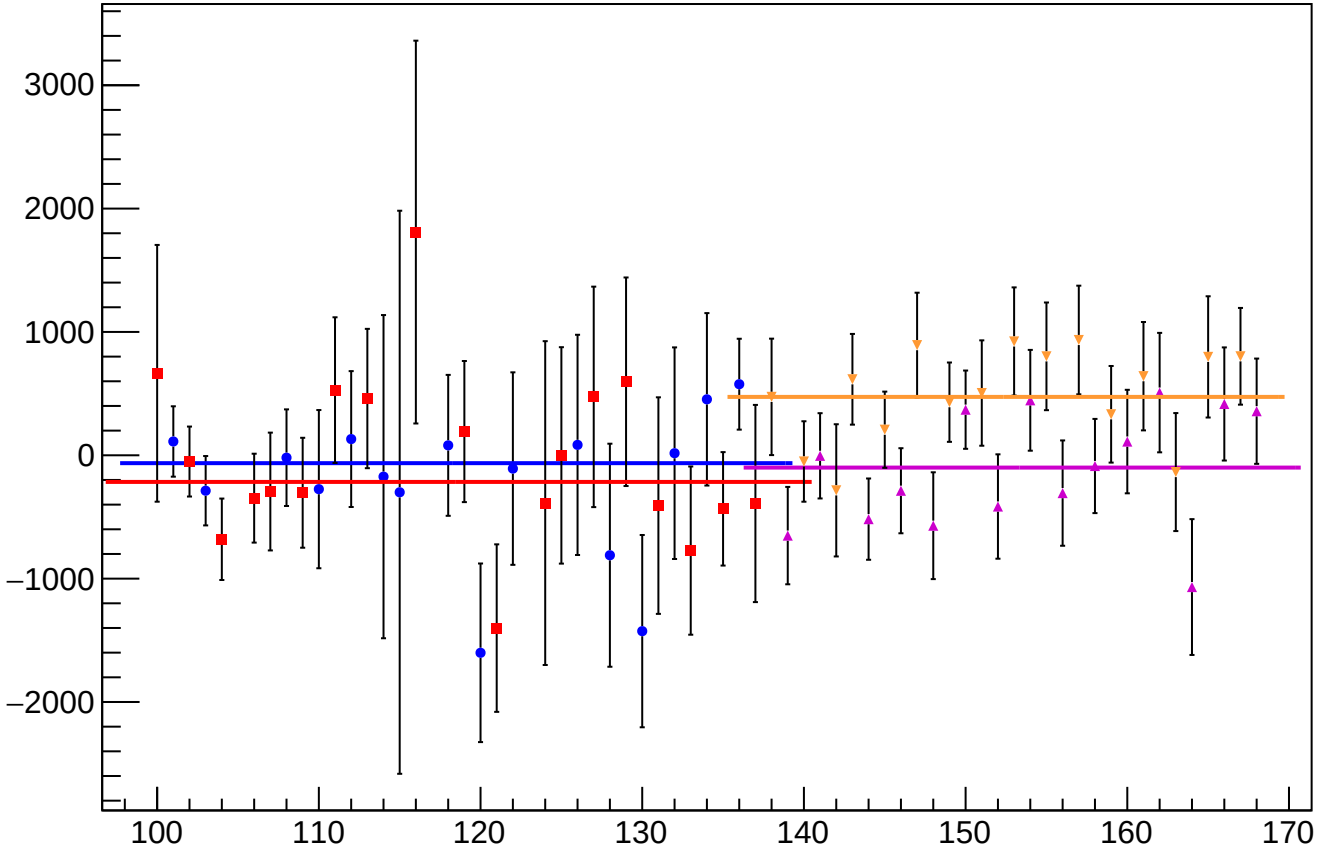
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.657+/-0.010 χ^2/NDF:509087.0/30

Out: 61.211+/-0.010 χ^2/NDF:535977.6/34

All: 61.430+/-0.007 χ^2/NDF: 1046095.3/65

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 473.360+/-100.883 χ^2/NDF:12.2/15

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -99.733+/-102.550 χ^2/NDF:17.2/14

Left: 191.508+/-71.917 χ^2/NDF: 45.3/30

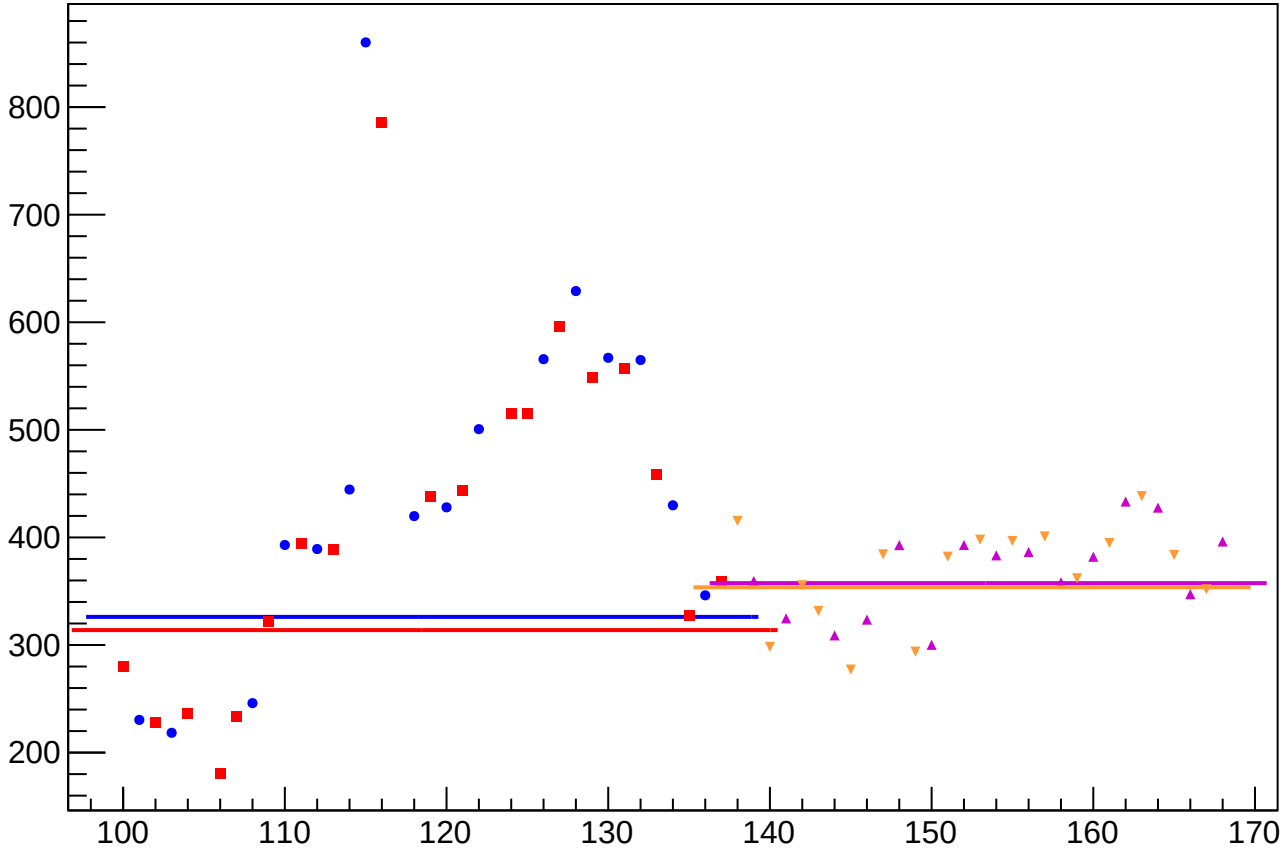
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -85.915+/-80.437 χ^2/NDF:30.5/30

Out: 197.477+/-78.127 χ^2/NDF:45.0/34

All: 59.908+/-56.043 χ^2/NDF: 81.8/65

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: 353.613+/-0.071 χ^2/NDF:461400.3/15

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 357.529+/-0.073 χ^2/NDF:296483.8/14

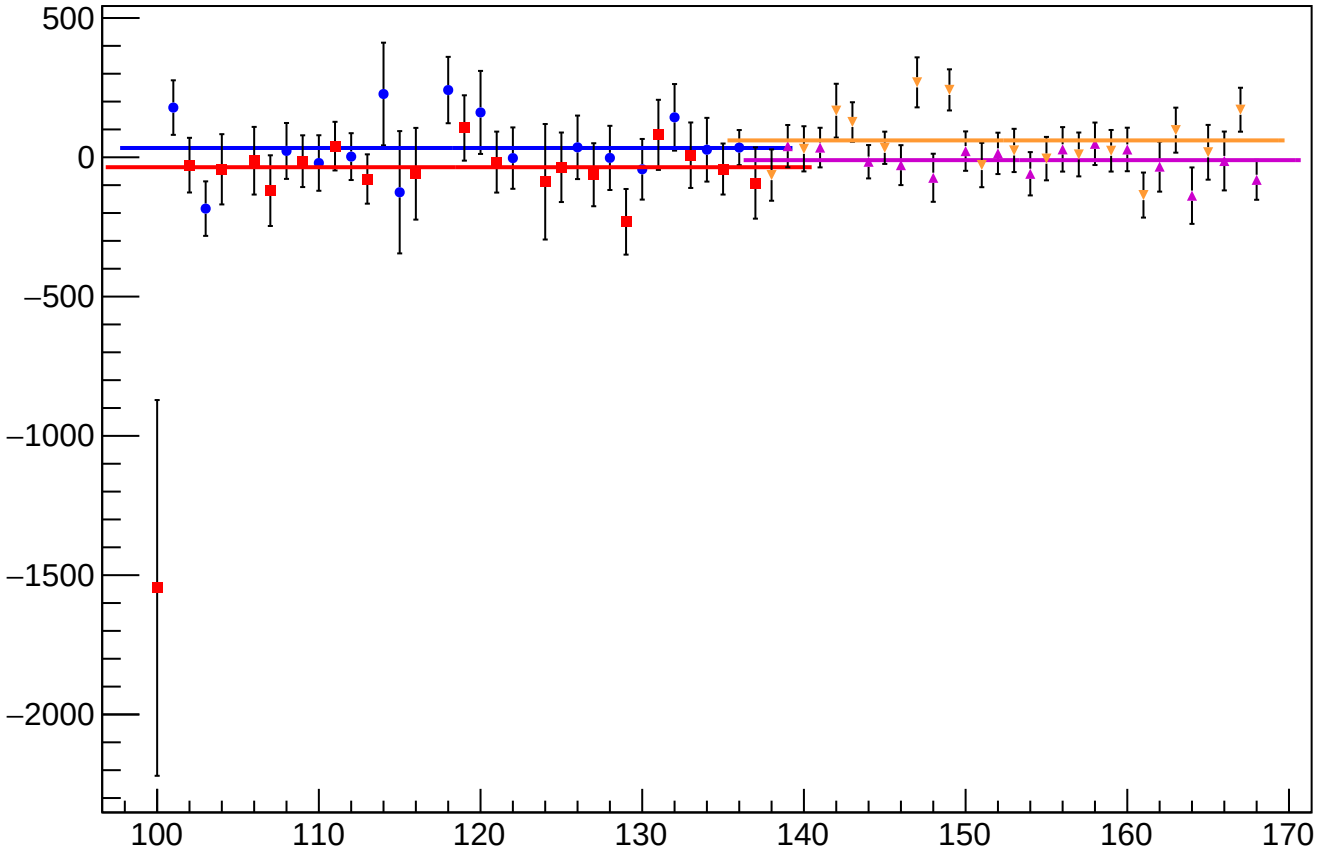
Left: 355.539+/-0.051 χ^2/NDF: 759366.1/30

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 345.455+/-0.057 χ^2/NDF:2102465.8/30

Out: 337.702+/-0.055 χ^2/NDF:2391470.9/34

All: 341.466+/-0.040 χ^2/NDF: 4503498.5/65



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.626+/-19.681 χ^2/NDF:26.7/15

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.213+/-19.901 χ^2/NDF:5.9/14

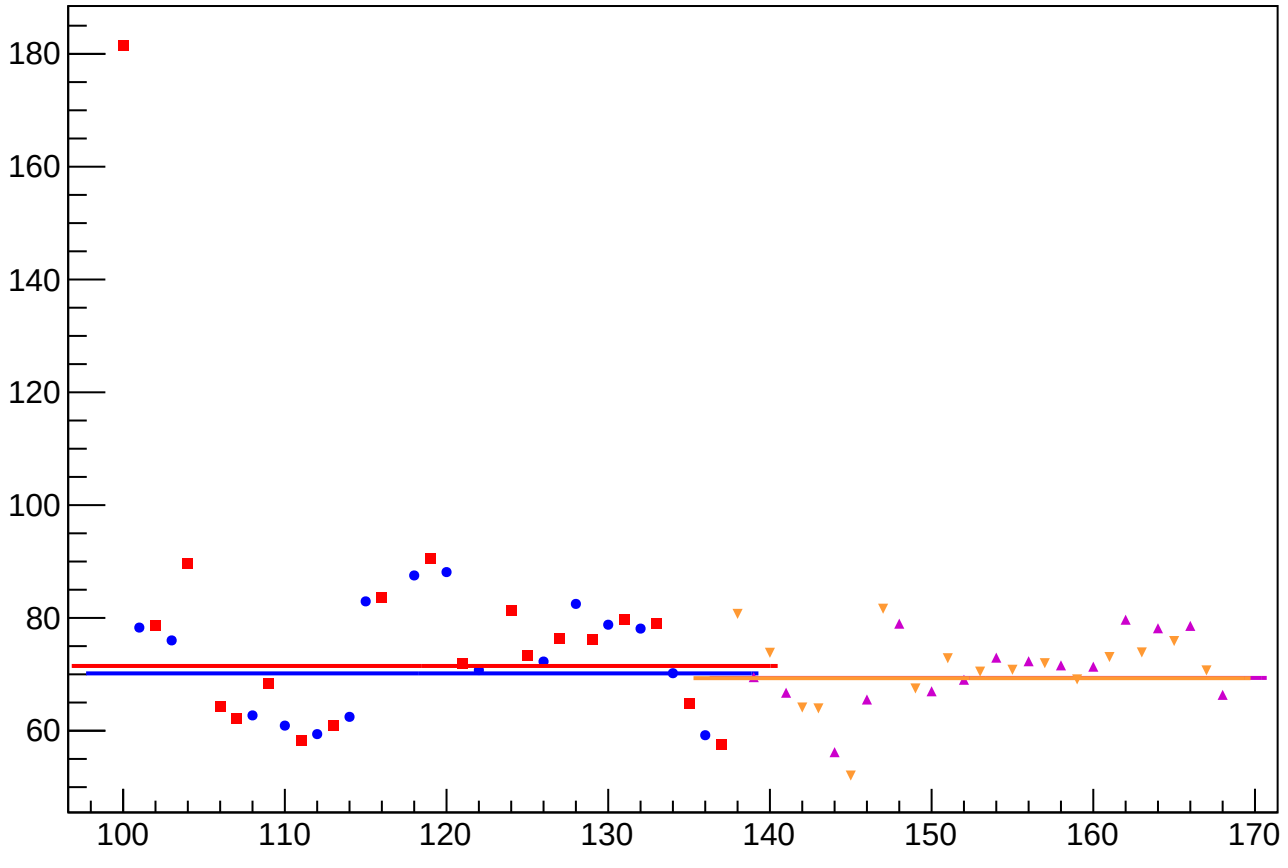
Left: 25.600+/-13.993 χ^2/NDF: 39.0/30

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 5.578+/-15.895 χ^2/NDF:22.1/30

Out: 26.487+/-15.808 χ^2/NDF:47.3/34

All: 16.090+/-11.208 χ^2/NDF: 70.3/65



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.321+/-0.014 χ^2/NDF:298271.1/15

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.363+/-0.014 χ^2/NDF:202515.8/14

Left: 69.342+/-0.010 χ^2/NDF: 500791.5/30

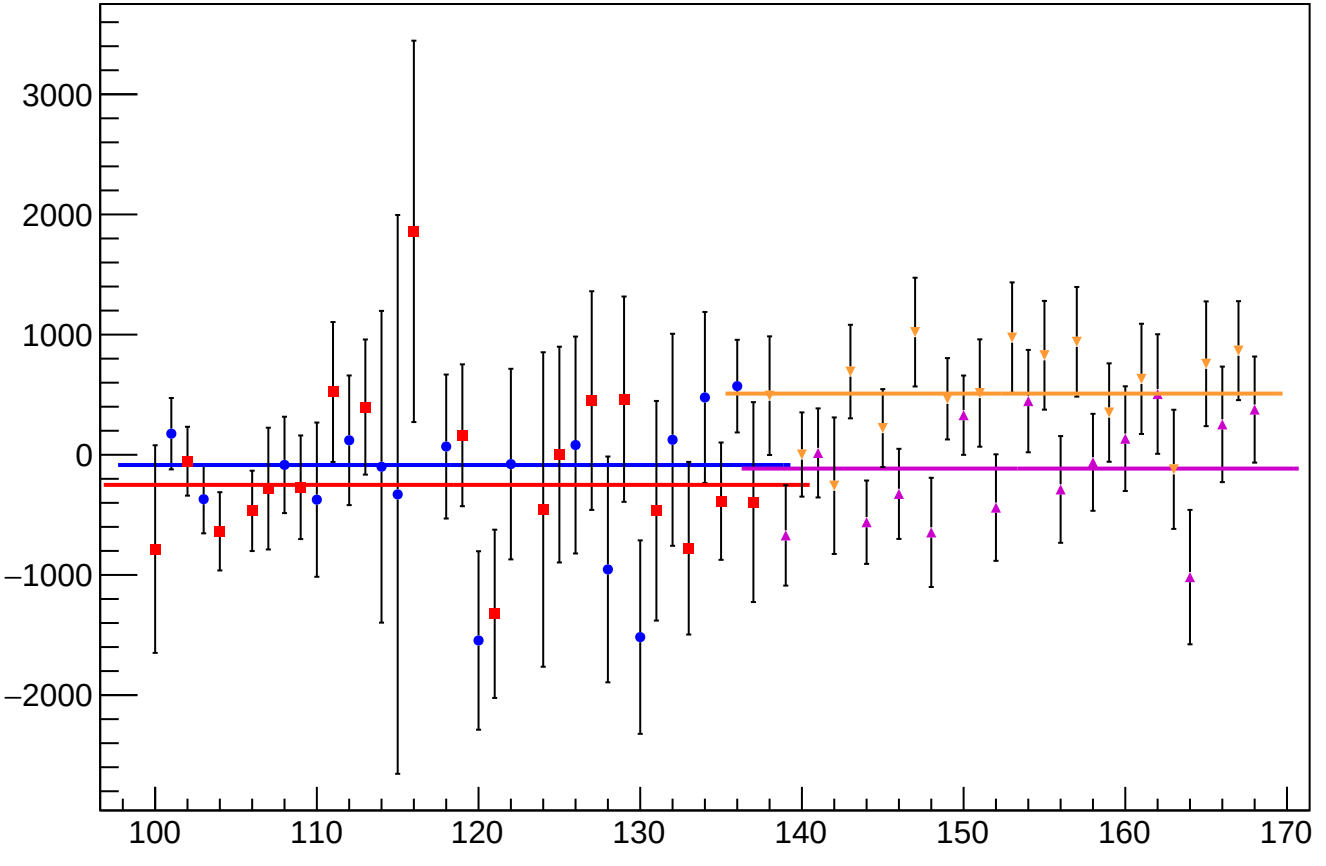
Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.655+/-0.011 χ^2/NDF:472947.2/30

Out: 70.088+/-0.011 χ^2/NDF:632554.7/34

All: 69.872+/-0.008 χ^2/NDF: 1106249.7/65

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 509.177+/-106.064 χ^2/NDF:11.5/15

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -114.907+/-107.690 χ^2/NDF:15.8/14

Left: 201.882+/-75.567 χ^2/NDF: 44.3/30

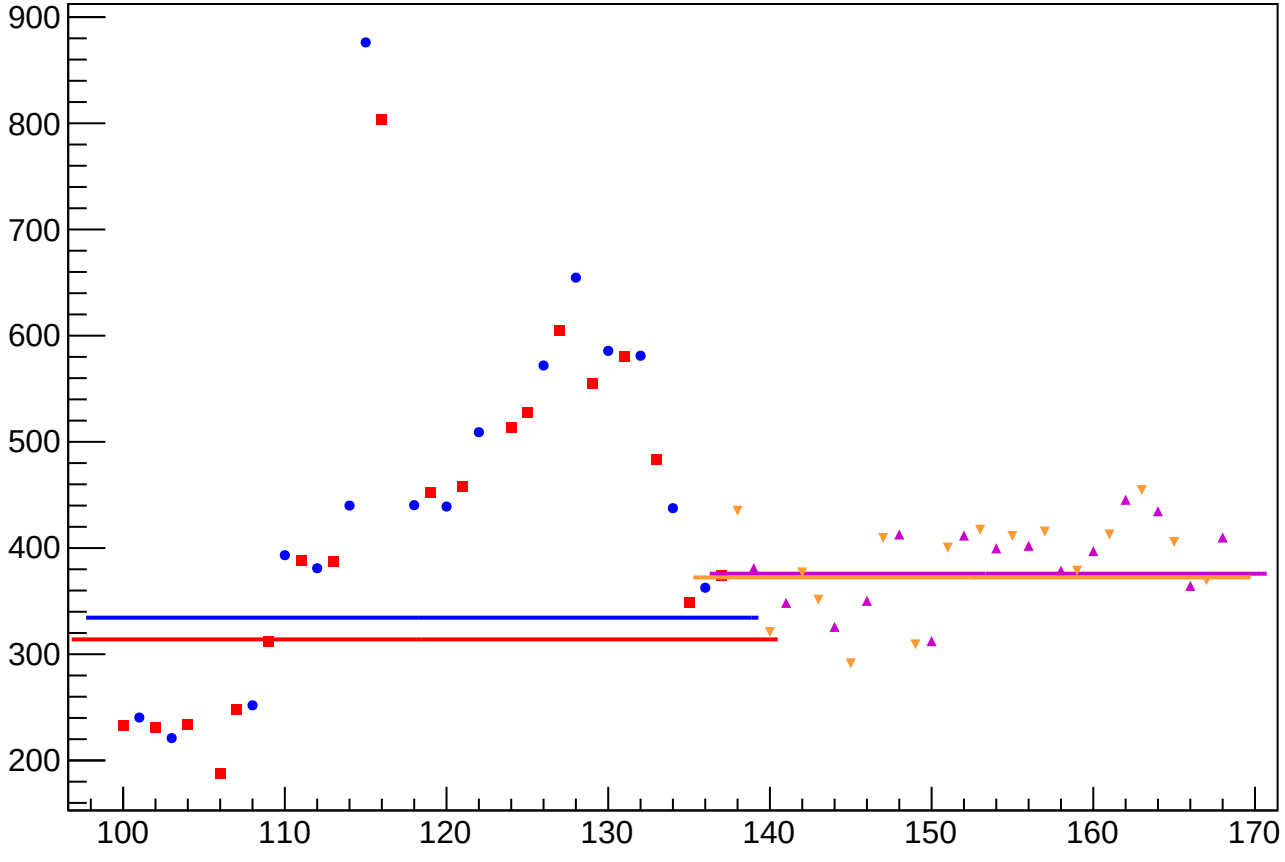
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -103.124+/-83.663 χ^2/NDF:29.5/30

Out: 186.136+/-80.408 χ^2/NDF:45.7/34

All: 47.243+/-57.974 χ^2/NDF: 81.5/65

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: 372.313+/-0.075 χ^2/NDF:428068.0/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 375.853+/-0.076 χ^2/NDF:255178.1/14

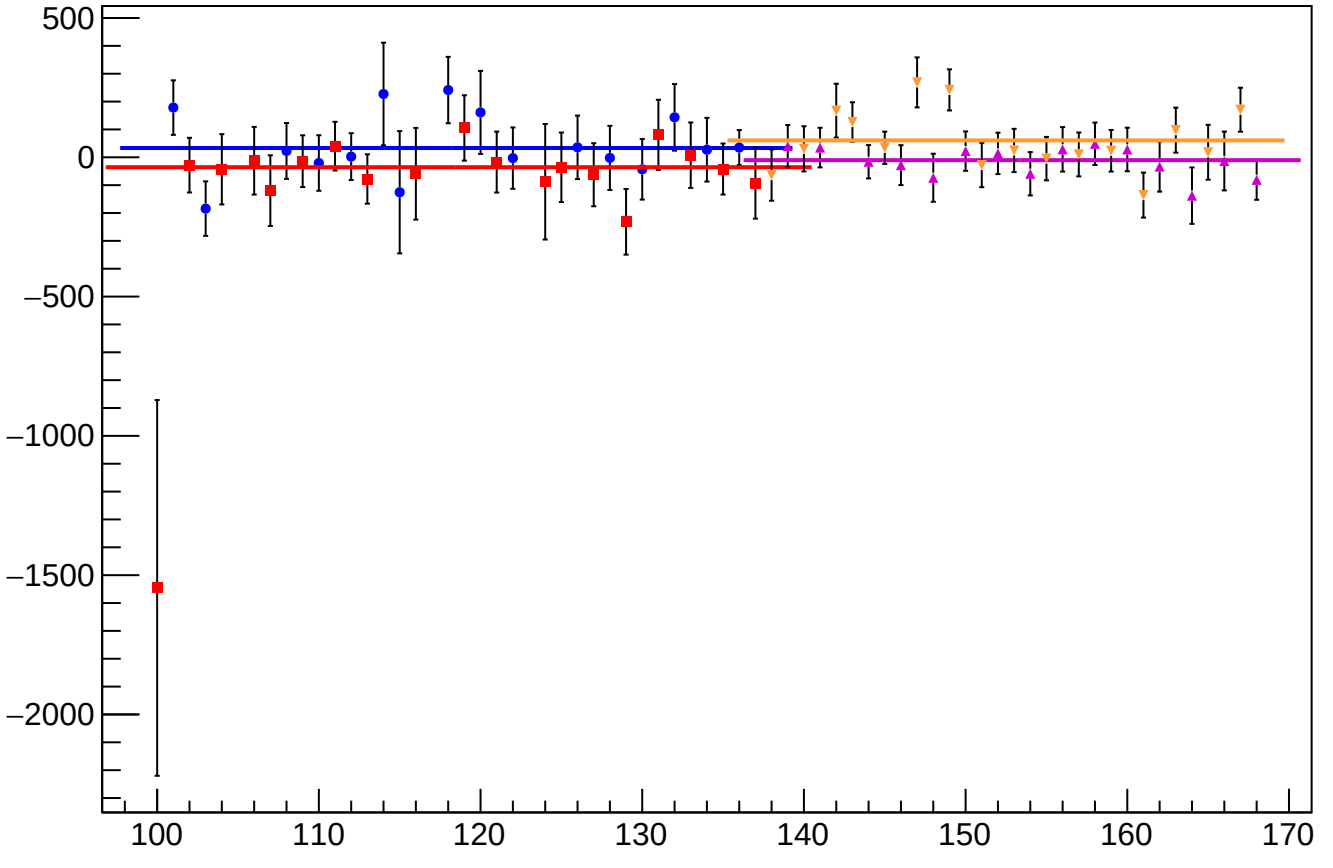
Left: 374.056+/-0.053 χ^2/NDF: 684343.0/30

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 359.432+/-0.059 χ^2/NDF:2103095.0/30

Out: 347.502+/-0.057 χ^2/NDF:2590023.0/34

All: 353.230+/-0.041 χ^2/NDF: 4714256.7/65



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 60.625+/-19.681 χ^2/NDF:26.7/15

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.213+/-19.901 χ^2/NDF:5.9/14

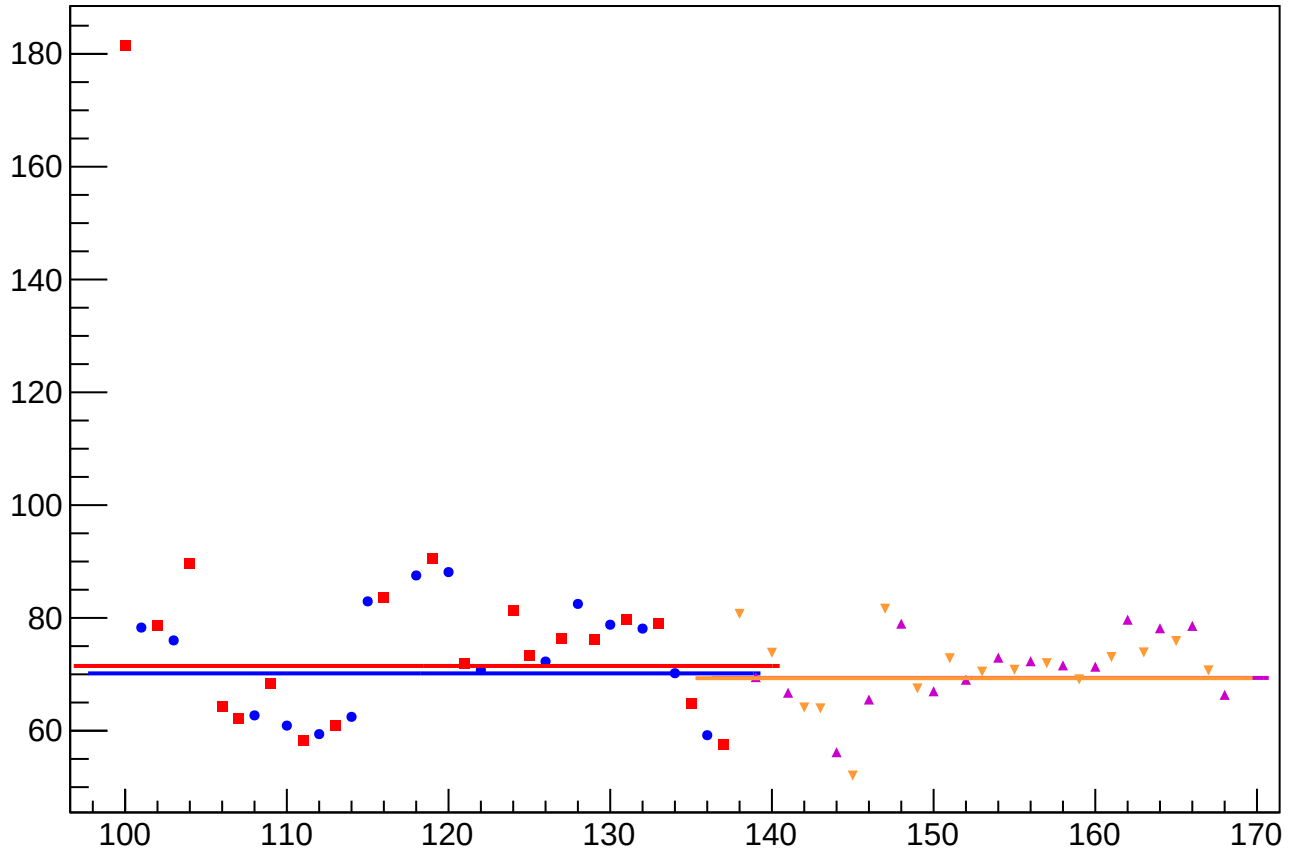
Left: 25.600+/-13.993 χ^2/NDF: 39.0/30

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 5.578+/-15.895 χ^2/NDF:22.1/30

Out: 26.487+/-15.808 χ^2/NDF:47.3/34

All: 16.089+/-11.208 χ^2/NDF: 70.3/65



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.321+/-0.014 χ^2/NDF:298277.0/15

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.363+/-0.014 χ^2/NDF:202518.1/14

Left: 69.342+/-0.010 χ^2/NDF: 500799.8/30

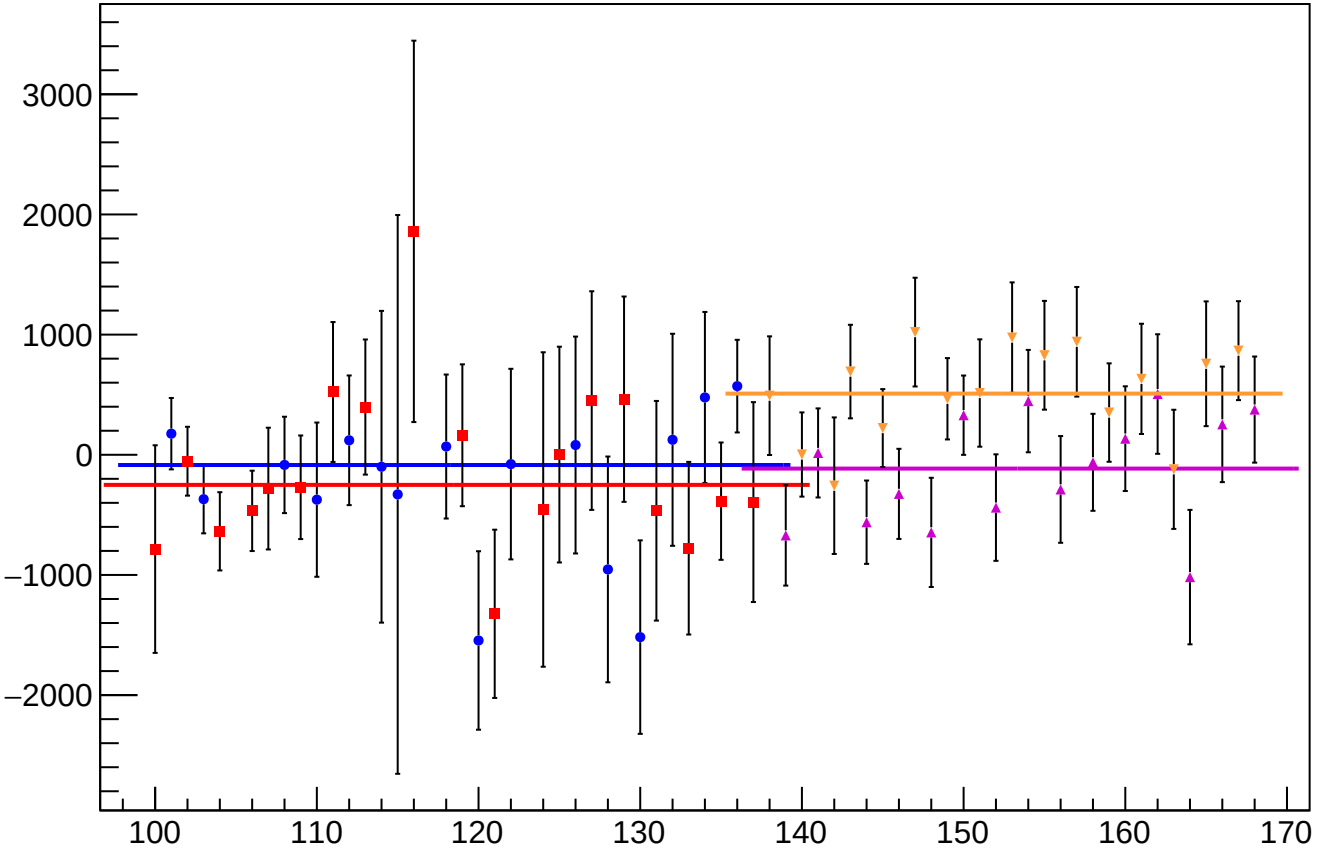
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.655+/-0.011 χ^2/NDF:472953.0/30

Out: 70.088+/-0.011 χ^2/NDF:632567.9/34

All: 69.872+/-0.008 χ^2/NDF: 1106268.7/65

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: 509.176+/-106.064 χ^2/NDF:11.5/15

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -114.907+/-107.690 χ^2/NDF:15.8/14

Left: 201.881+/-75.567 χ^2/NDF: 44.3/30

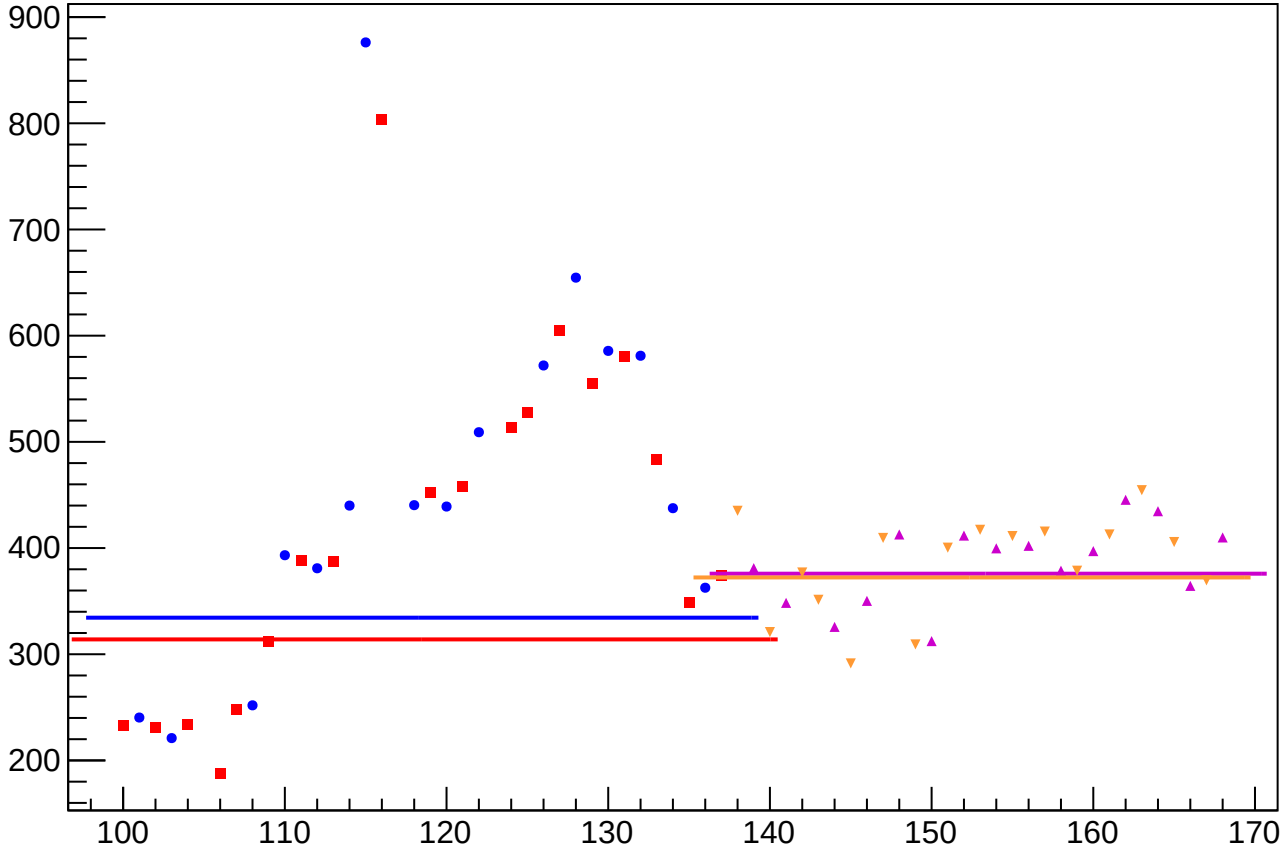
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -103.124+/-83.663 χ^2/NDF:29.5/30

Out: 186.135+/-80.408 χ^2/NDF:45.7/34

All: 47.243+/-57.974 χ^2/NDF: 81.5/65

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: 372.313+/-0.075 χ^2/NDF:428072.1/15

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 375.853+/-0.076 χ^2/NDF:255177.2/14

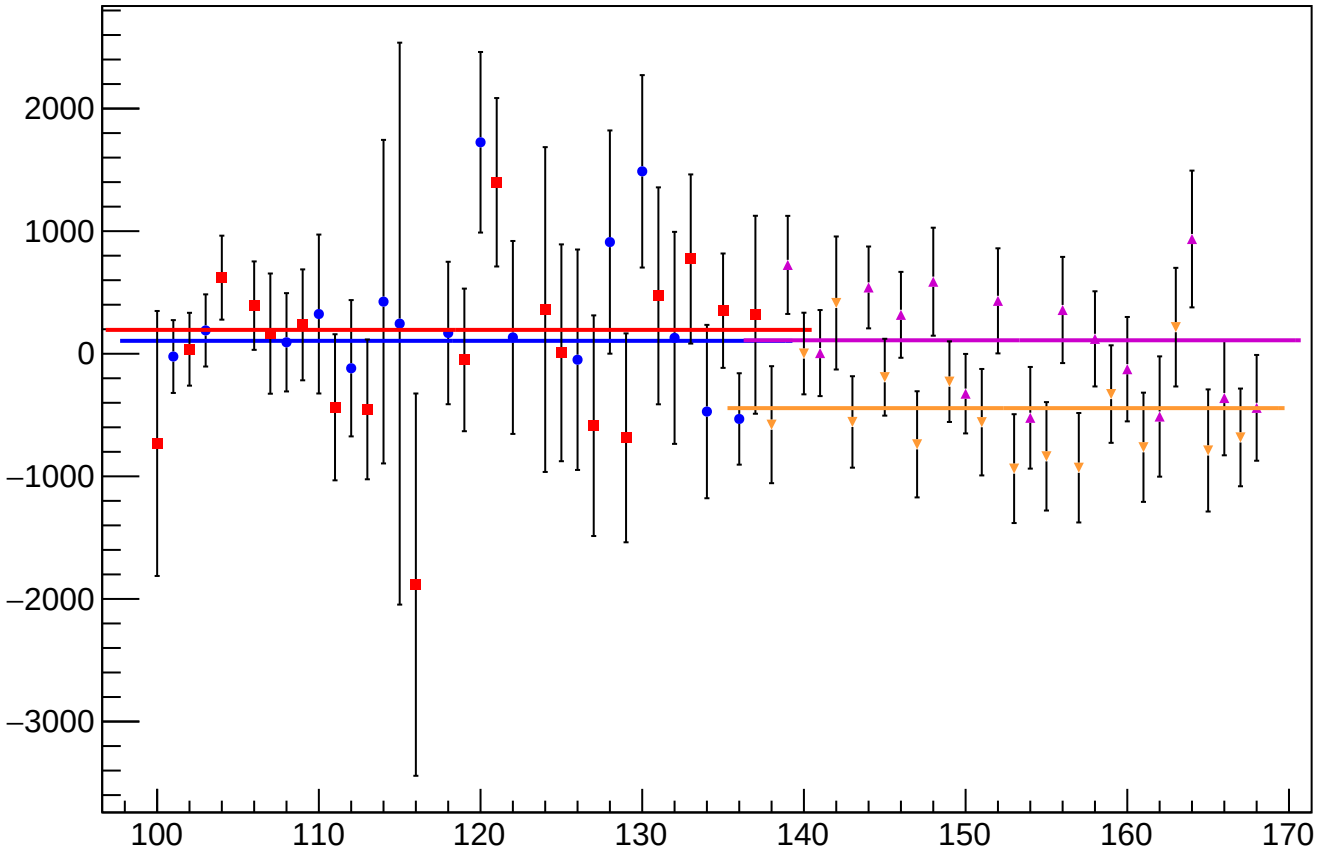
Left: 374.056+/-0.053 χ^2/NDF: 684346.4/30

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 359.432+/-0.059 χ^2/NDF:2103091.6/30

Out: 347.502+/-0.057 χ^2/NDF:2590023.9/34

All: 353.230+/-0.041 χ^2/NDF: 4714254.8/65



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -443.573+/-102.474 χ^2/NDF:12.6/15

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 109.900+/-104.140 χ^2/NDF:17.4/14

Left: -171.299+/-73.042 χ^2/NDF: 44.4/30

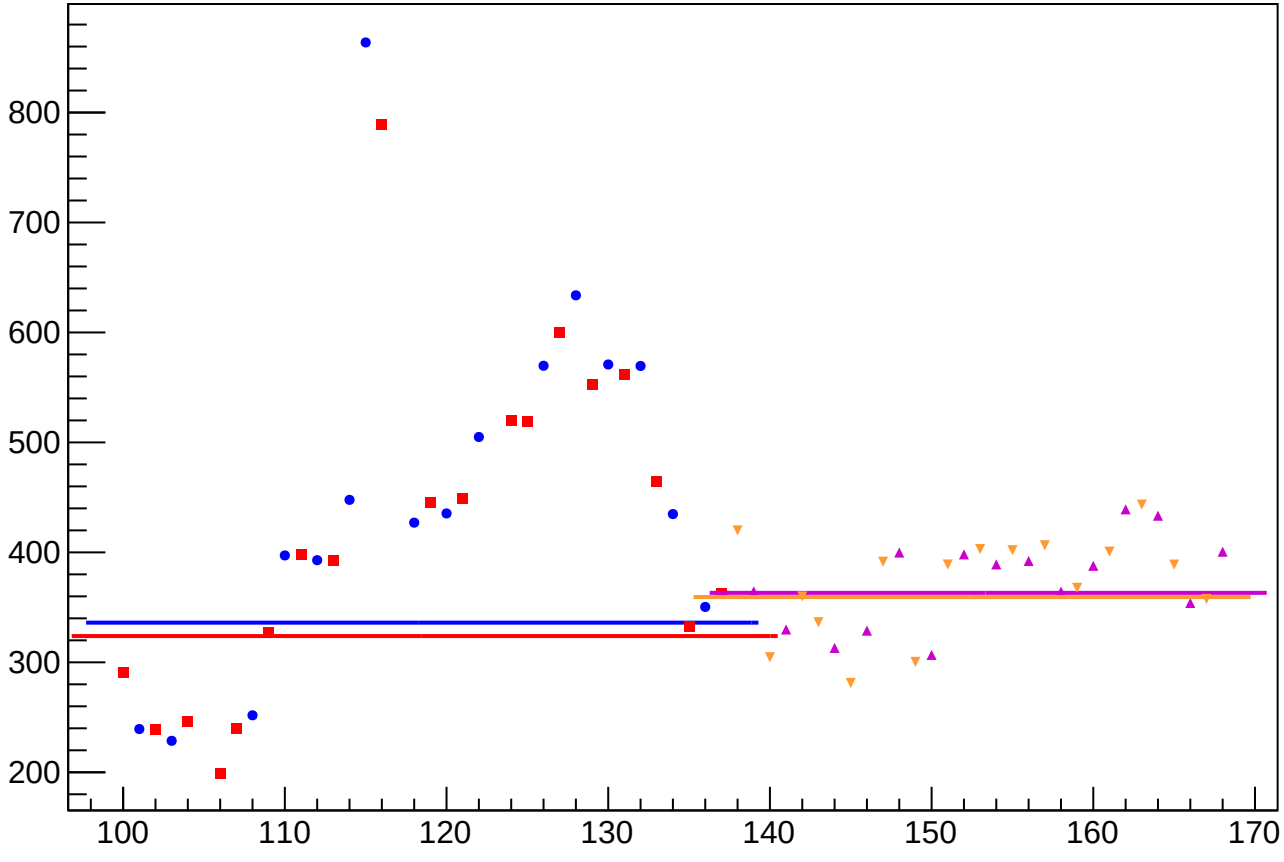
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 108.187+/-82.006 χ^2/NDF:30.4/30

Out: -189.946+/-79.551 χ^2/NDF:41.1/34

All: -45.408+/-57.099 χ^2/NDF: 78.3/65

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.365+/-0.072 χ^2/NDF:448352.9/15

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 363.188+/-0.074 χ^2/NDF:288866.5/14

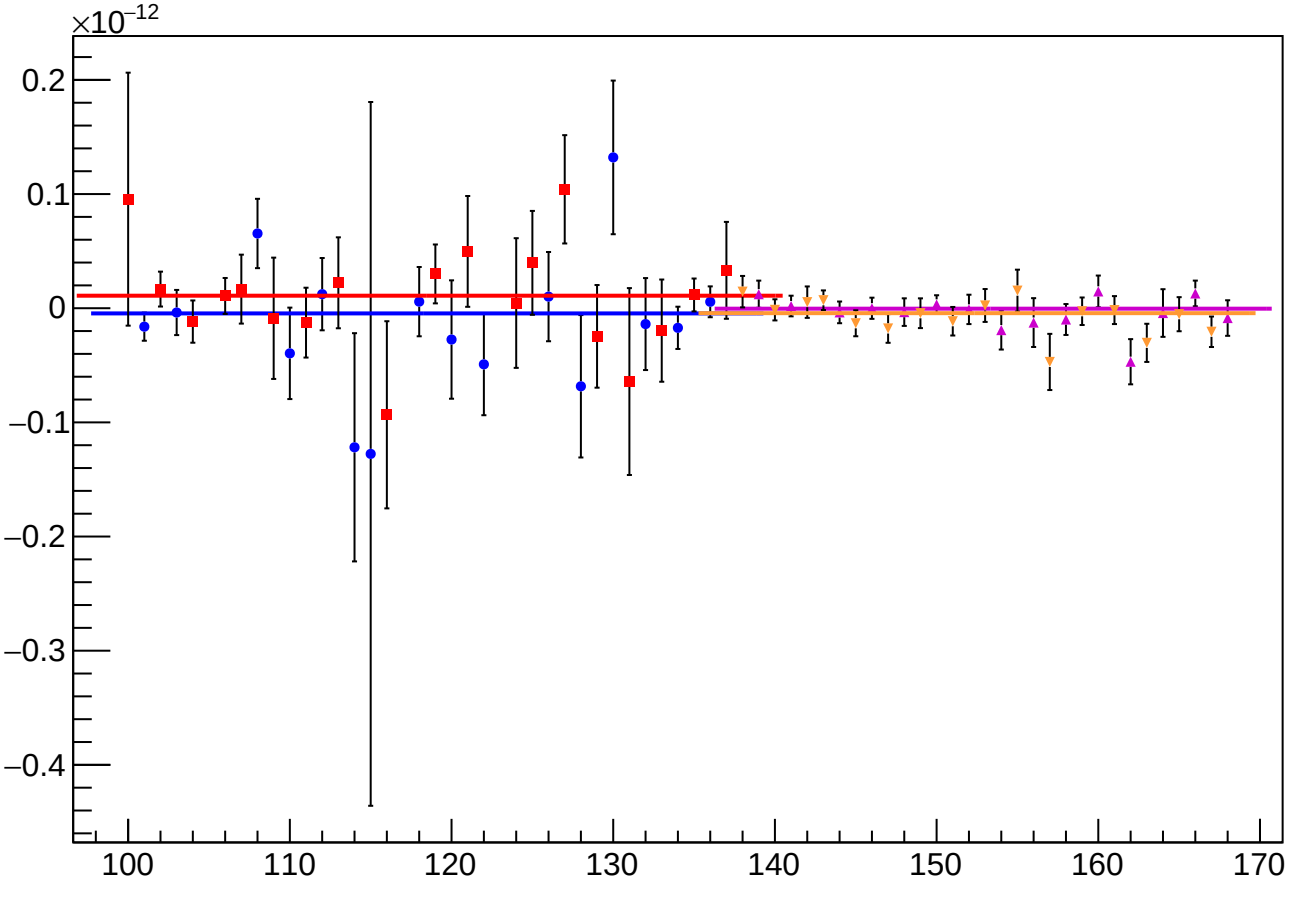
Left: 361.246+/-0.052 χ^2/NDF: 738588.7/30

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 352.894+/-0.058 χ^2/NDF:1959302.4/30

Out: 345.267+/-0.056 χ^2/NDF:2209041.0/34

All: 348.965+/-0.040 χ^2/NDF: 4177256.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/14

Left: -0.000+/-0.000 χ^2/NDF: 27.5/30

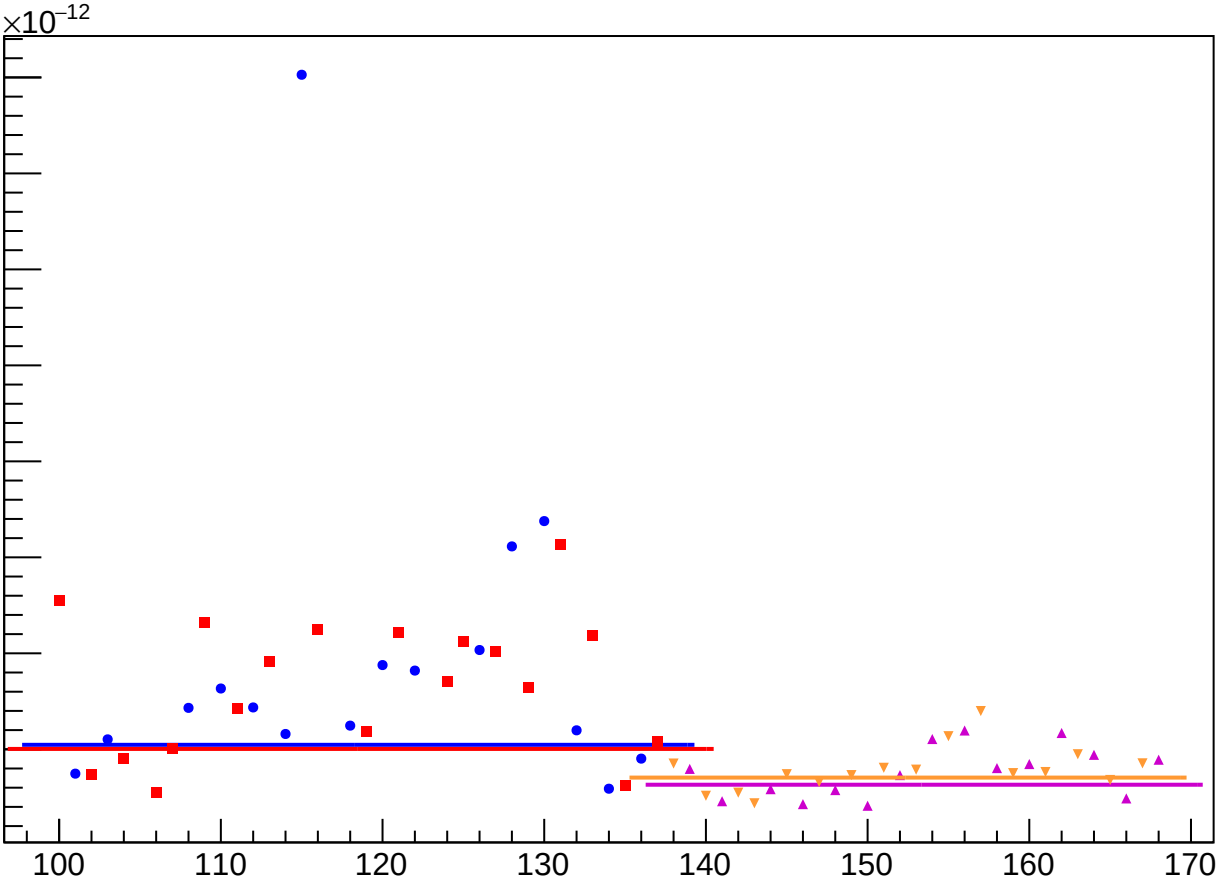
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:28.9/30

Out: -0.000+/-0.000 χ^2/NDF:31.6/34

All: -0.000+/-0.000 χ^2/NDF: 60.4/65

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:696385.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1033650.7/14

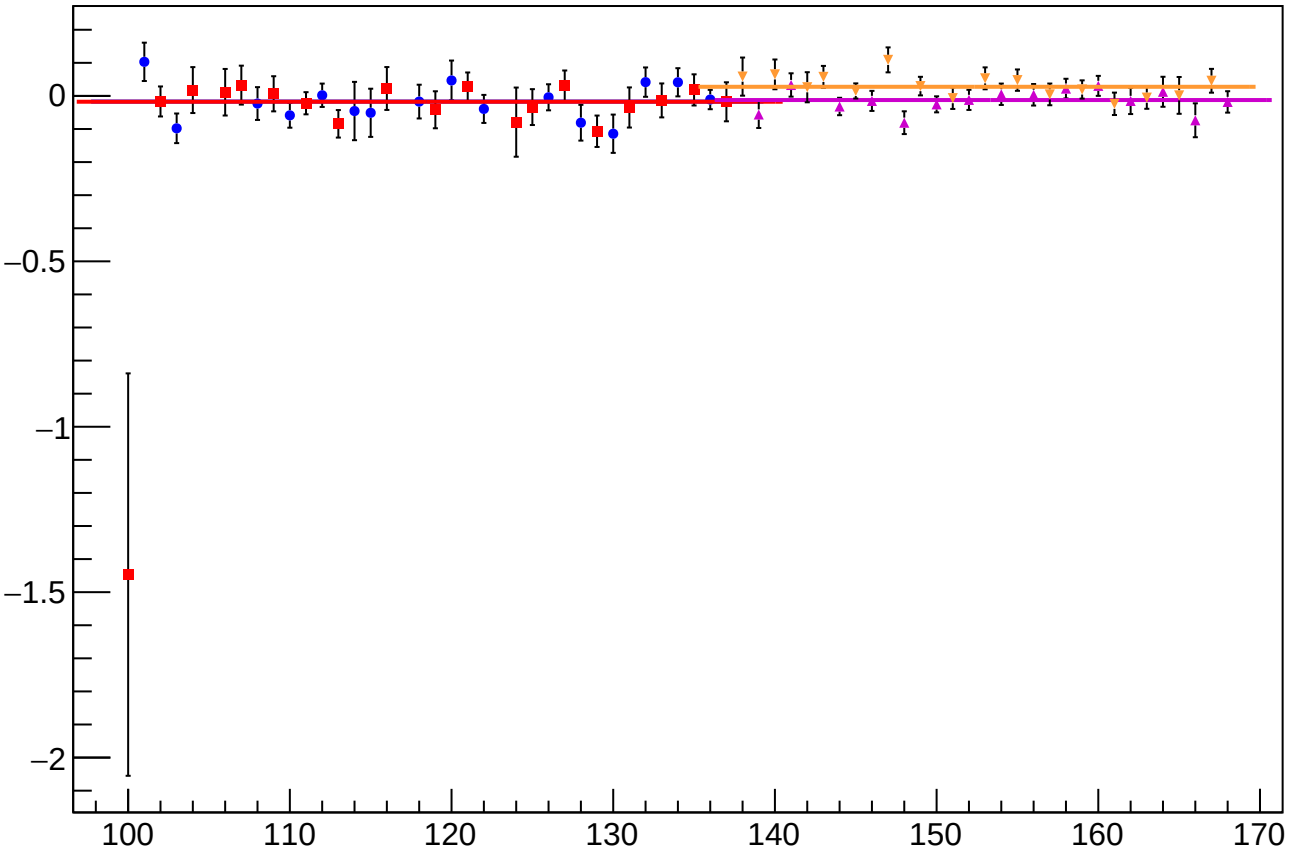
Left: 0.000+/-0.000 χ^2/NDF: 1786050.0/30

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2892847.6/30

Out: 0.000+/-0.000 χ^2/NDF:2459971.3/34

All: 0.000+/-0.000 χ^2/NDF: 5390685.5/65



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.008 χ^2/NDF:13.3/14

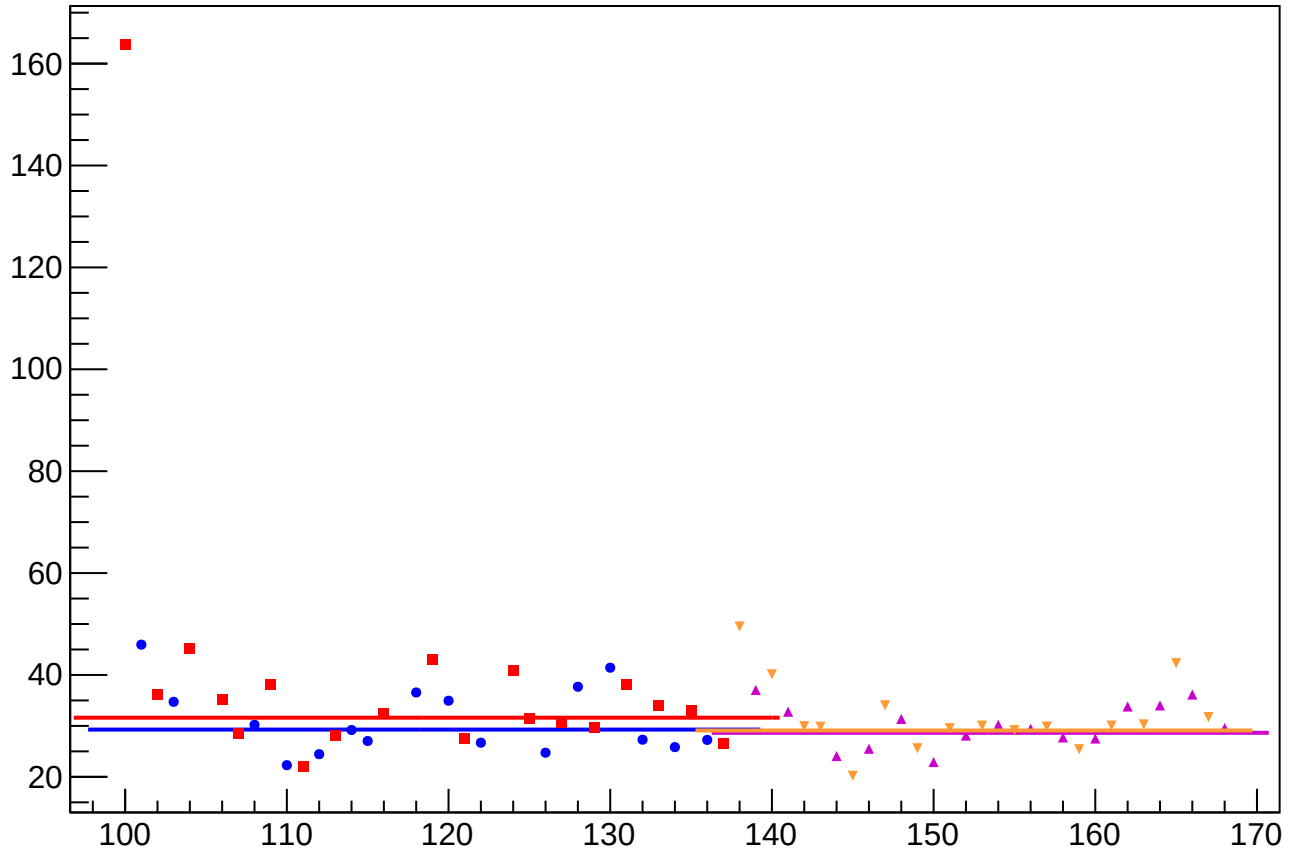
Left: 0.007+/-0.006 χ^2/NDF: 37.7/30

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/30

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.3/65



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.105+/-0.006 χ^2/NDF:907244.4/15

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.645+/-0.006 χ^2/NDF:436197.2/14

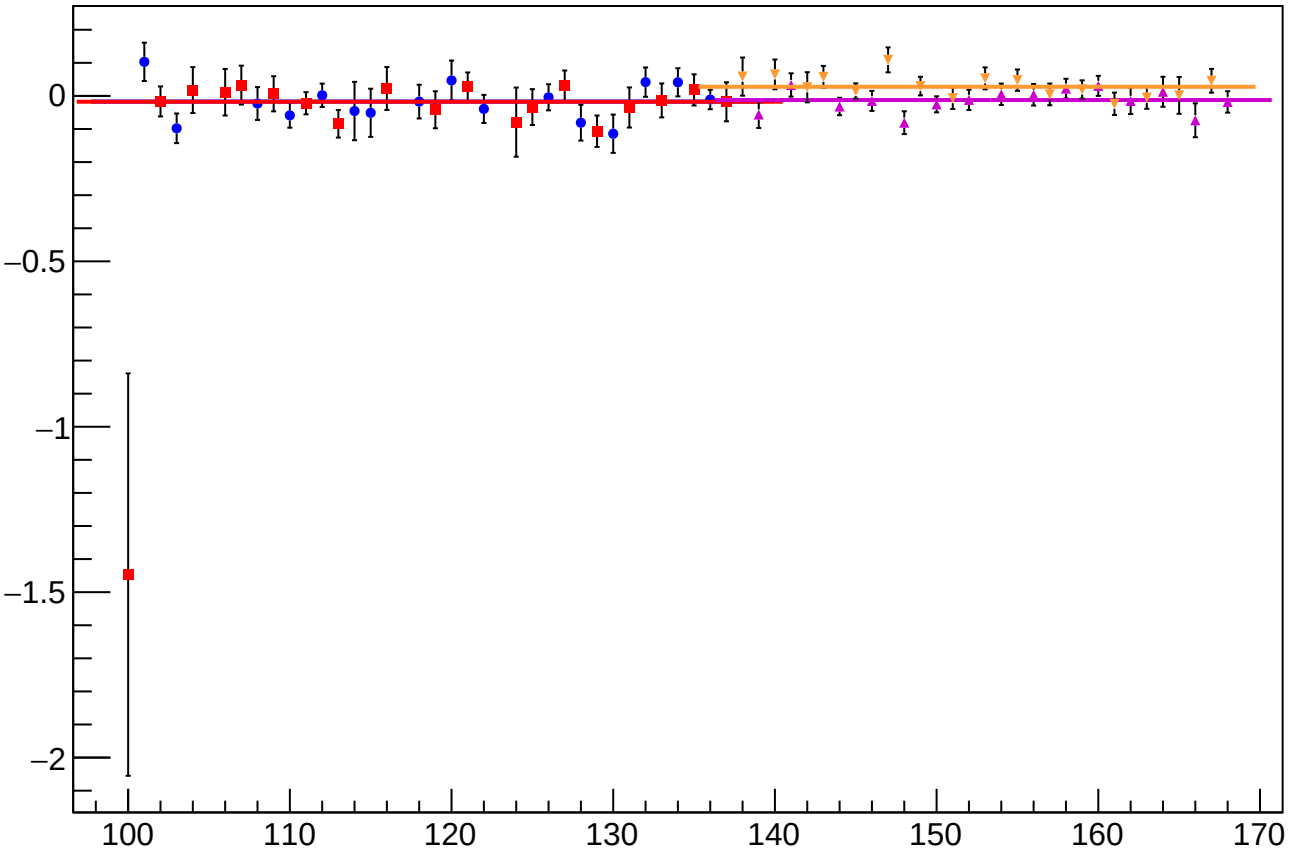
Left: 28.874+/-0.004 χ^2/NDF: 1346415.0/30

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.870+/-0.005 χ^2/NDF:1000874.9/30

Out: 29.928+/-0.005 χ^2/NDF:1537183.5/34

All: 29.385+/-0.003 χ^2/NDF: 2561982.9/65



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.008 χ^2/NDF:13.3/14

Left: 0.007+/-0.006 χ^2/NDF: 37.7/30

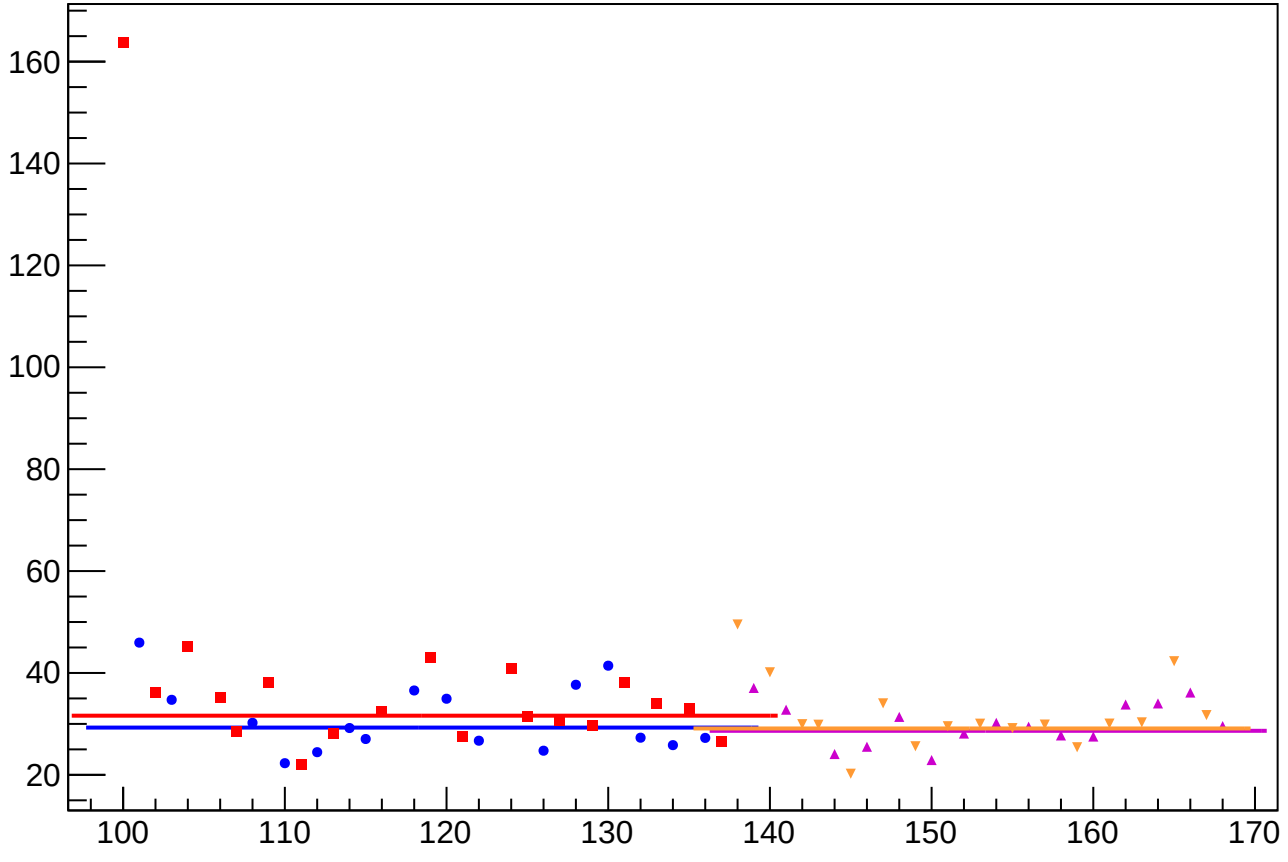
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/30

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.3/65

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.105+/-0.006 χ^2/NDF:907244.4/15

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.645+/-0.006 χ^2/NDF:436197.2/14

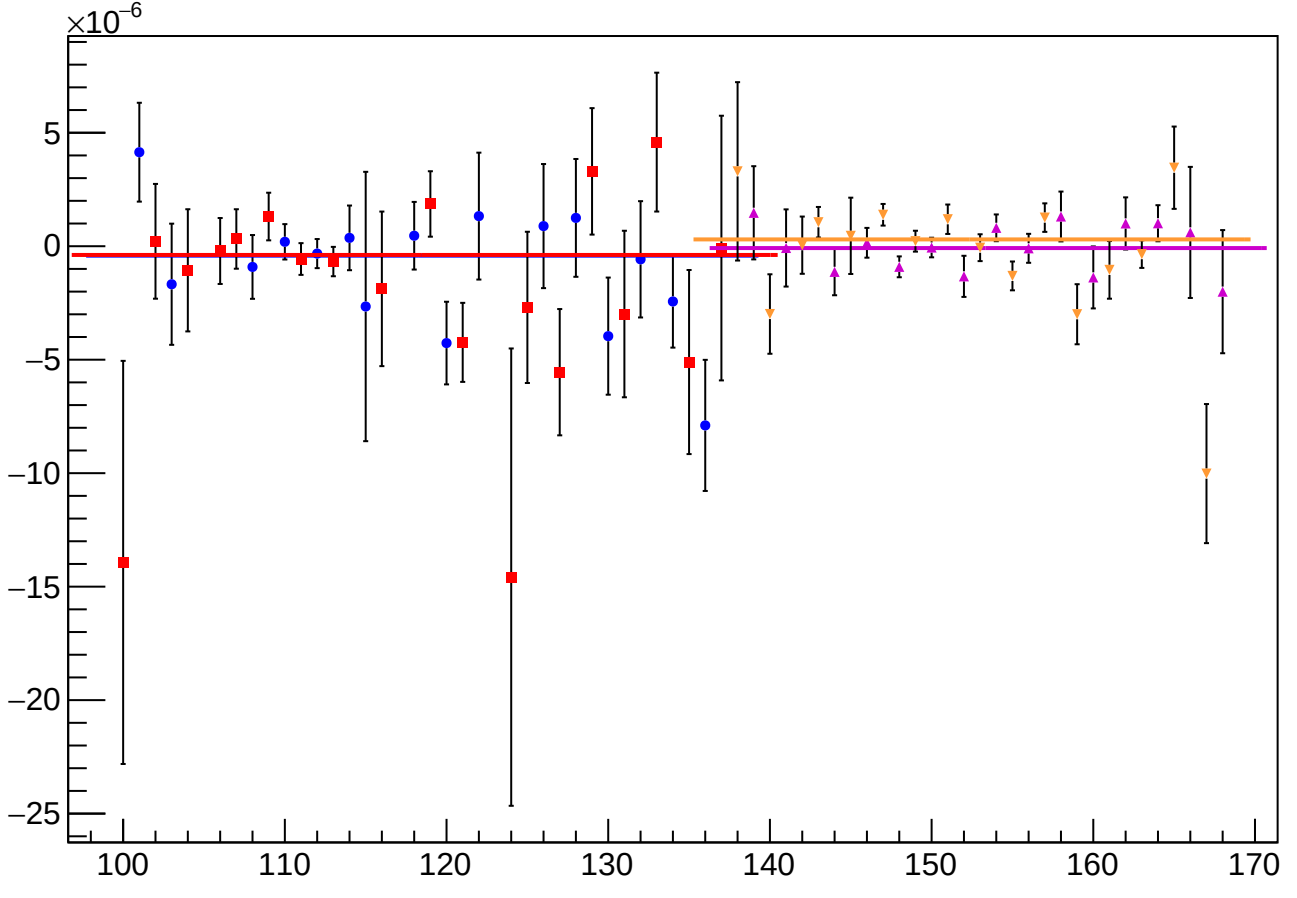
Left: 28.874+/-0.004 χ^2/NDF: 1346415.0/30

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.870+/-0.005 χ^2/NDF:1000874.9/30

Out: 29.928+/-0.005 χ^2/NDF:1537183.5/34

All: 29.385+/-0.003 χ^2/NDF: 2561982.9/65



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/14

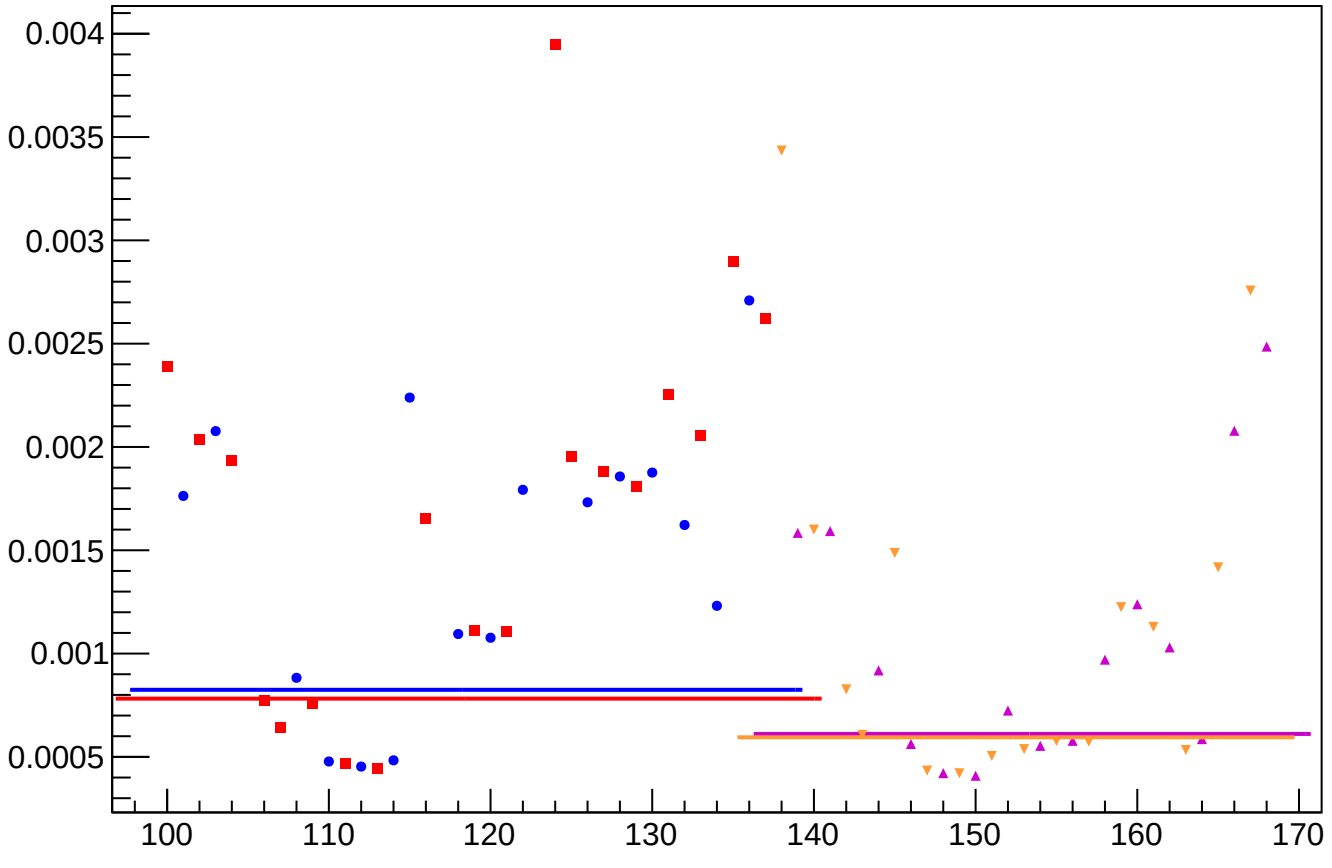
Left: 0.000+/-0.000 χ^2/NDF: 61.4/30

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:36.8/30

Out: 0.000+/-0.000 χ^2/NDF:72.7/34

All: 0.000+/-0.000 χ^2/NDF: 111.1/65



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5146753.0/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:4514936.5/14

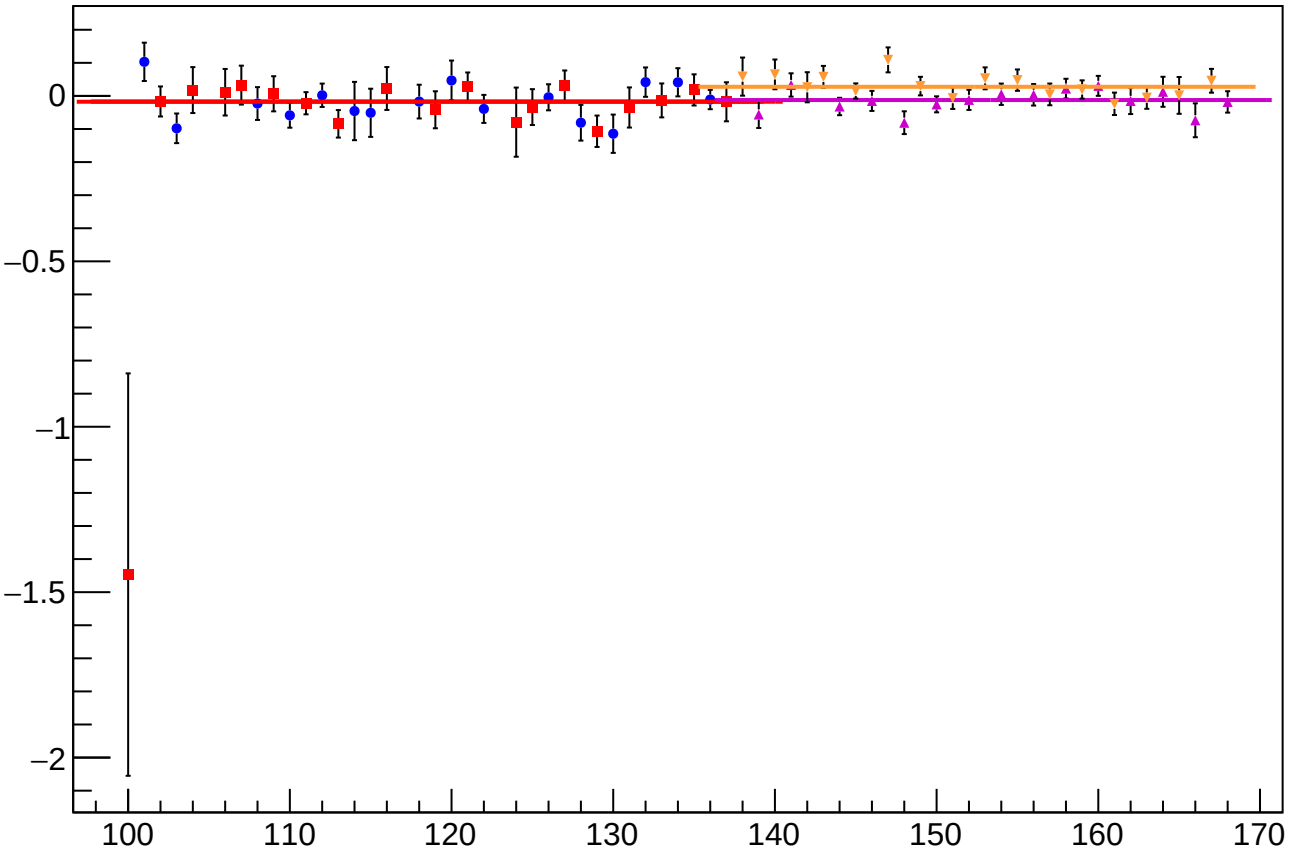
Left: 0.001+/-0.000 χ^2/NDF: 9668630.6/30

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:9475958.5/30

Out: 0.001+/-0.000 χ^2/NDF:10228861.9/34

All: 0.001+/-0.000 χ^2/NDF: 19721073.3/65



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.008 χ^2/NDF:13.3/14

Left: 0.007+/-0.006 χ^2/NDF: 37.7/30

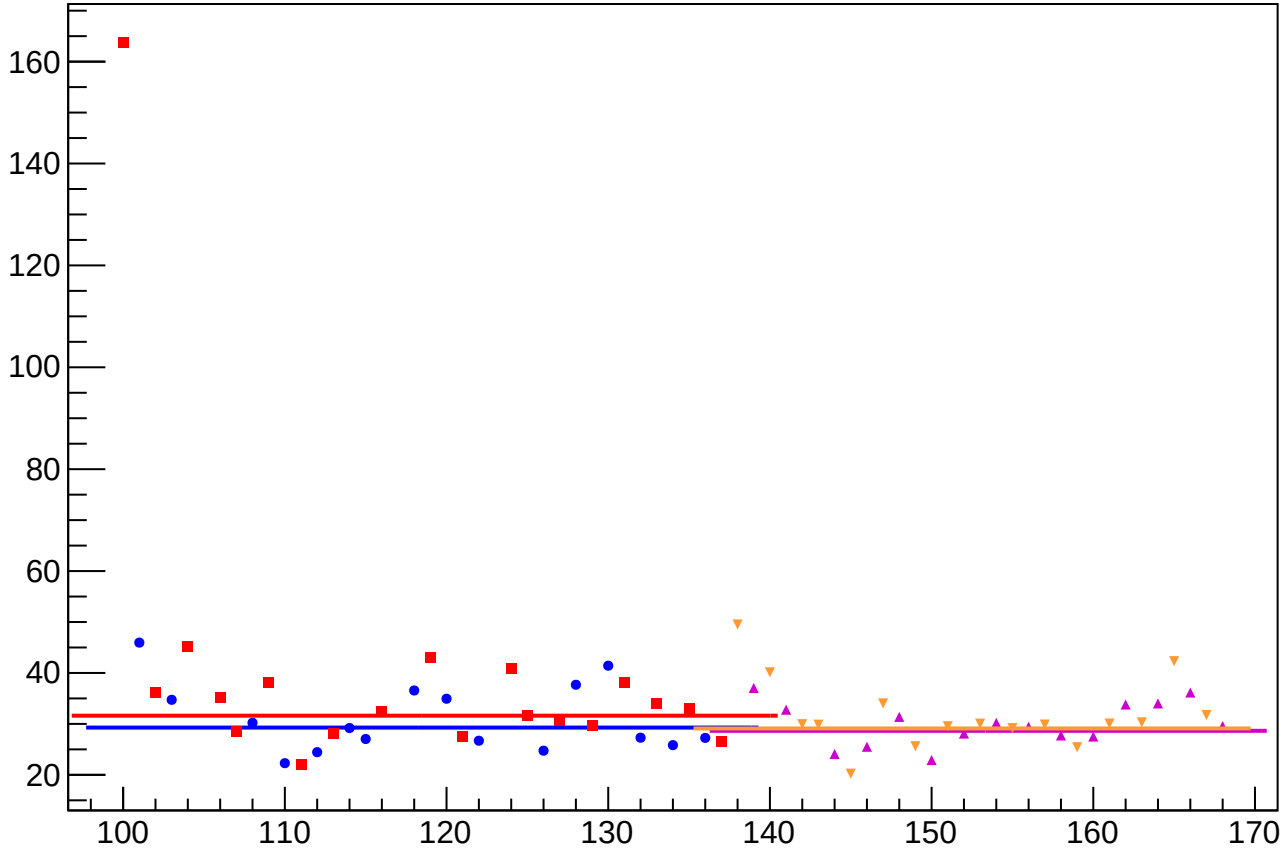
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/30

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.2/65

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: 29.105+/-0.006 χ^2/NDF:907297.8/15

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.645+/-0.006 χ^2/NDF:436158.8/14

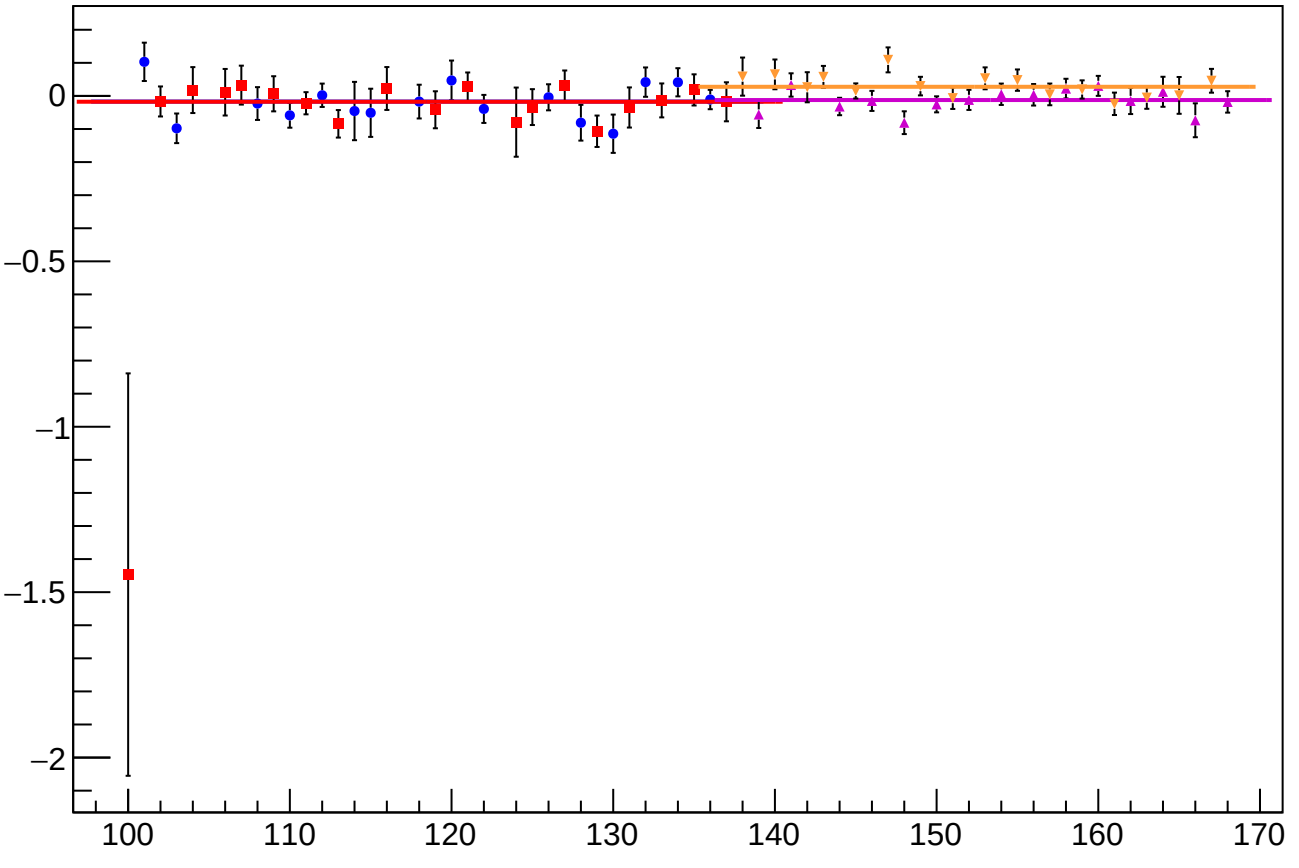
Left: 28.873+/-0.004 χ^2/NDF: 1346428.6/30

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.870+/-0.005 χ^2/NDF:1000838.3/30

Out: 29.928+/-0.005 χ^2/NDF:1537254.1/34

All: 29.385+/-0.003 χ^2/NDF: 2562014.3/65



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.028+/-0.008 χ^2/NDF:13.2/15

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.008 χ^2/NDF:13.3/14

Left: 0.007+/-0.006 χ^2/NDF: 37.7/30

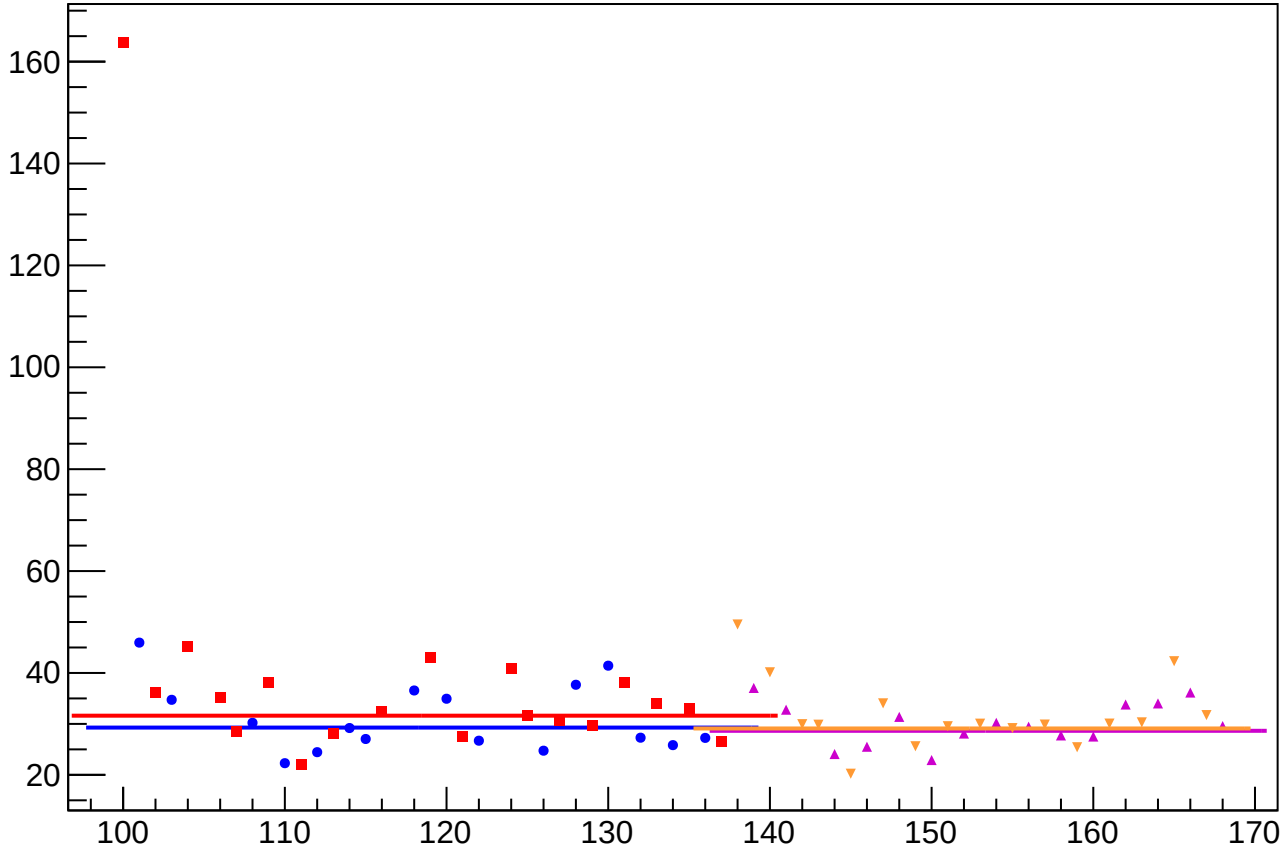
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.014+/-0.007 χ^2/NDF:32.2/30

Out: 0.013+/-0.007 χ^2/NDF:39.3/34

All: -0.001+/-0.005 χ^2/NDF: 79.2/65

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.105+/-0.006 χ^2/NDF:907297.8/15

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.645+/-0.006 χ^2/NDF:436158.8/14

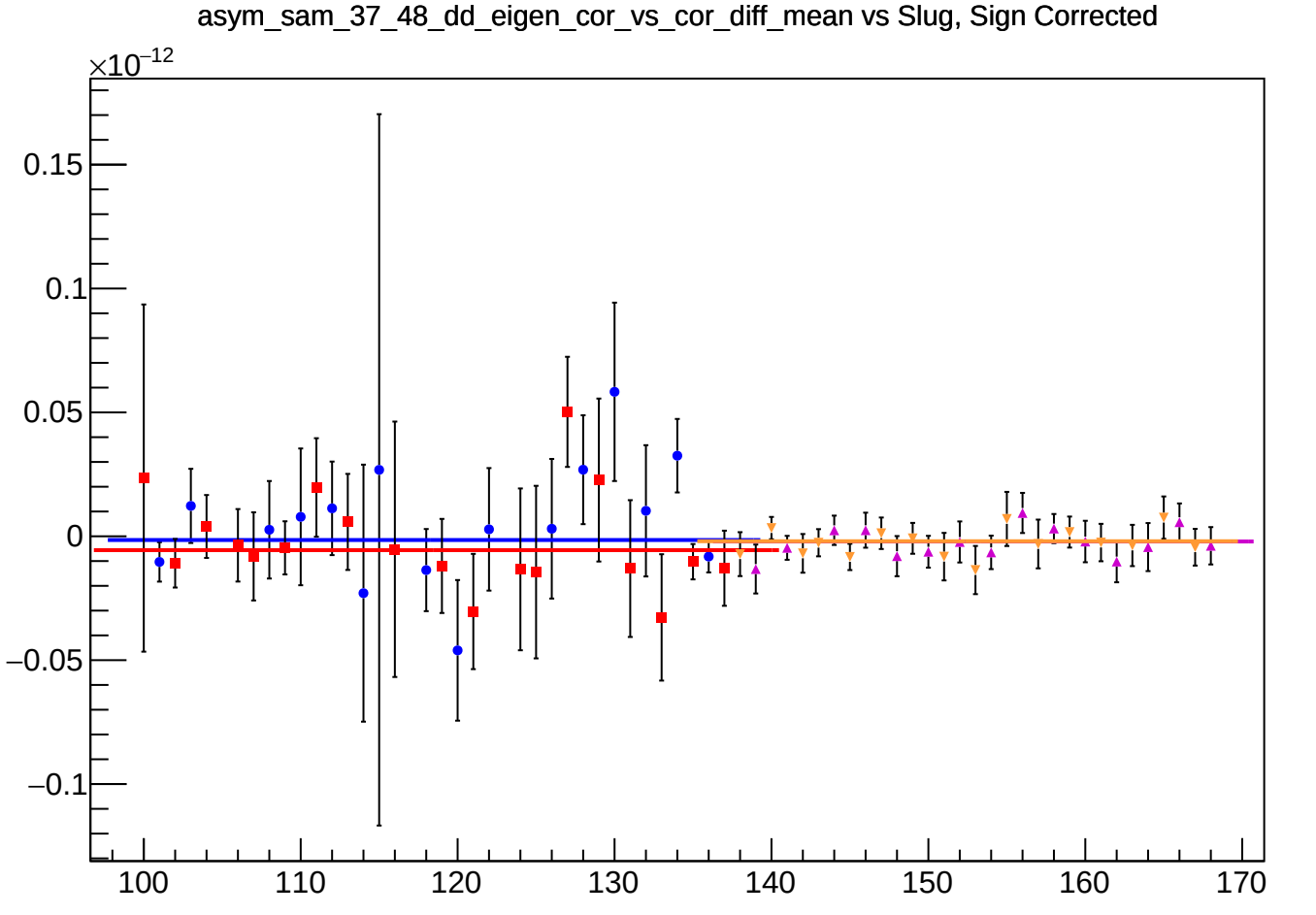
Left: 28.873+/-0.004 χ^2/NDF: 1346428.6/30

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

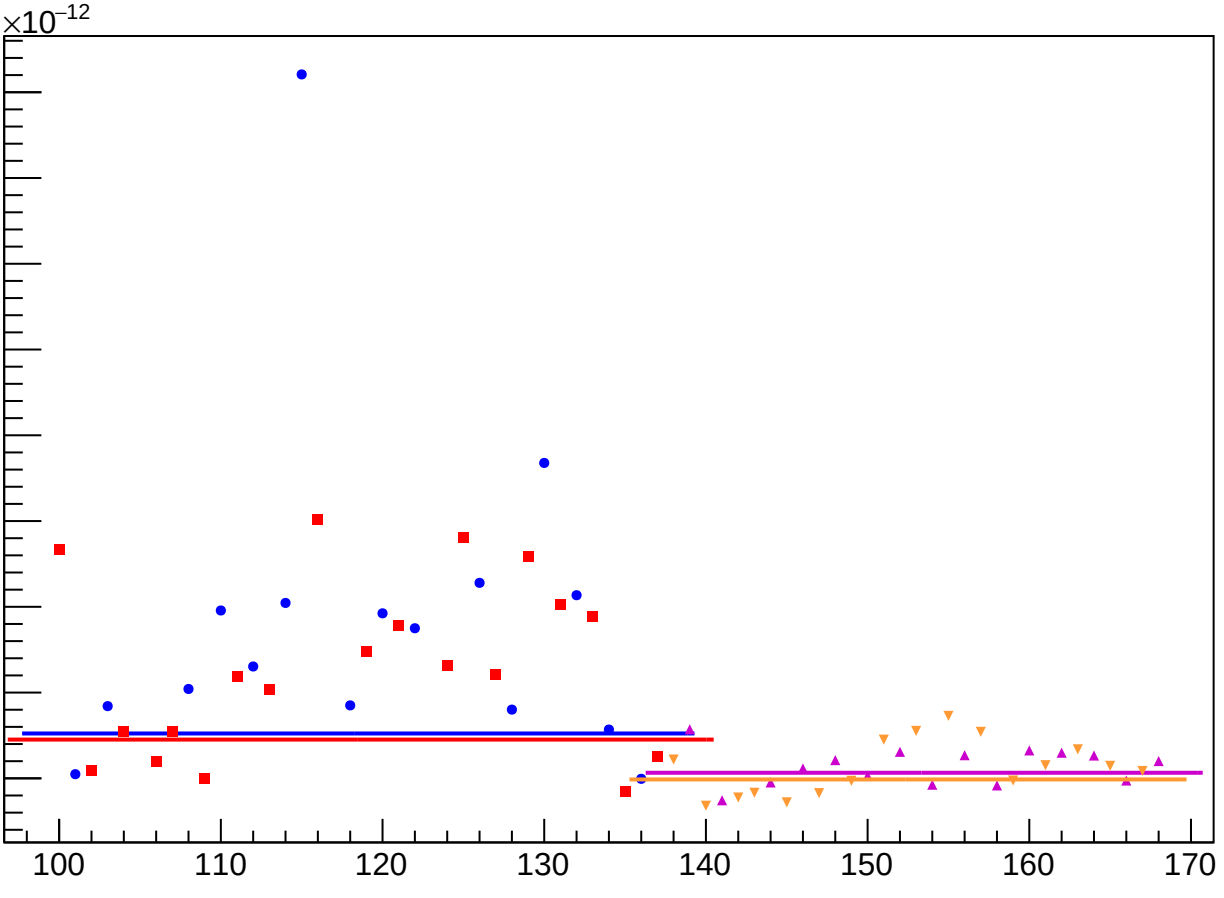
In: 28.870+/-0.005 χ^2/NDF:1000838.3/30

Out: 29.928+/-0.005 χ^2/NDF:1537254.1/34

All: 29.385+/-0.003 χ^2/NDF: 2562014.3/65


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:8.1/15
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.8/14
Left: -0.000+/-0.000 χ²/NDF: 17.0/30
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:25.8/30
Out: -0.000+/-0.000 χ²/NDF:22.3/34
All: -0.000+/-0.000 χ²/NDF: 48.1/65

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:1316925.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:651680.5/14

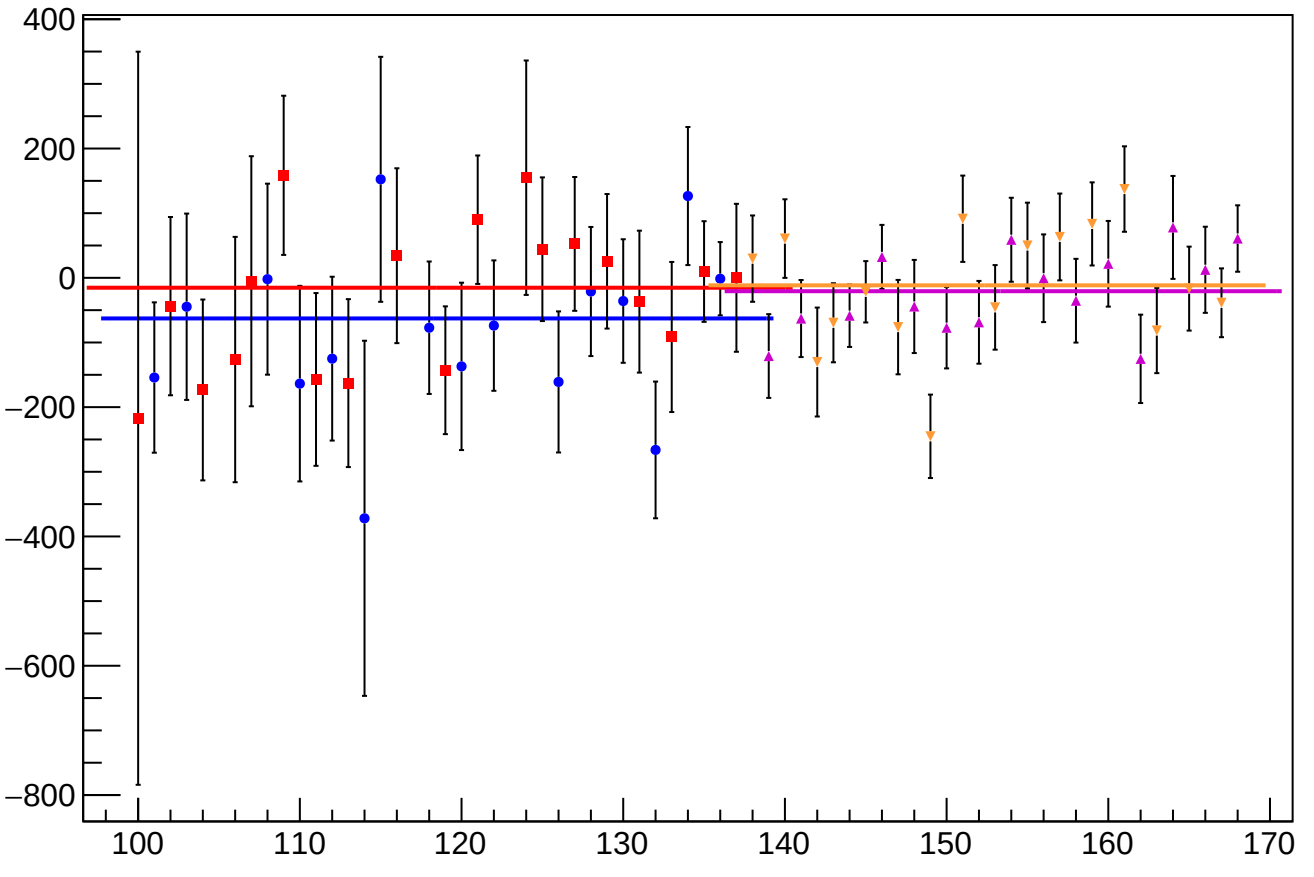
Left: 0.000+/-0.000 χ^2/NDF: 2016054.2/30

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3256245.5/30

Out: 0.000+/-0.000 χ^2/NDF:3975358.8/34

All: 0.000+/-0.000 χ^2/NDF: 7288887.0/65



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -20.689+/-15.929 χ^2/NDF:14.8/14

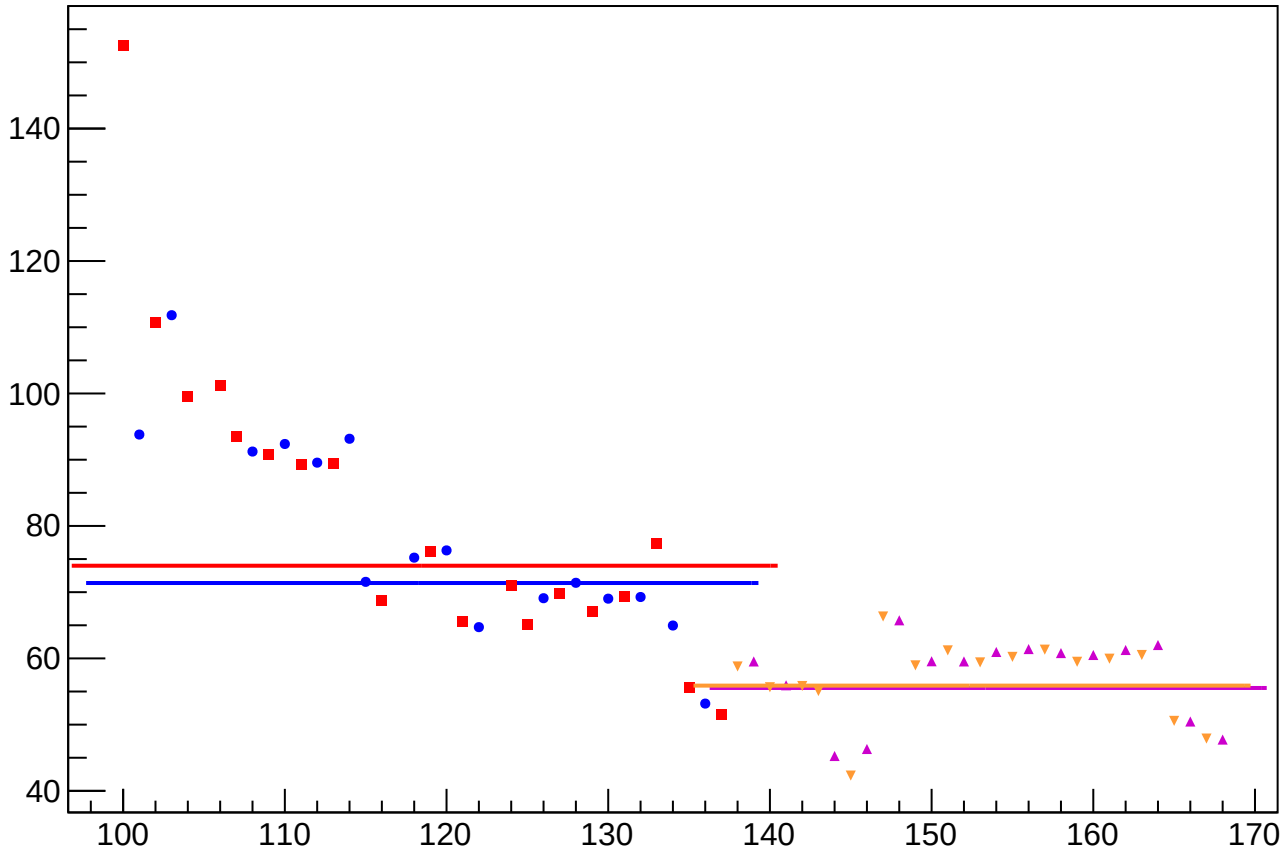
Left: -16.120+/-11.240 χ^2/NDF: 47.0/30

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -31.434+/-13.747 χ^2/NDF:30.1/30

Out: -12.500+/-13.773 χ^2/NDF:43.5/34

All: -21.985+/-9.730 χ^2/NDF: 74.5/65



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

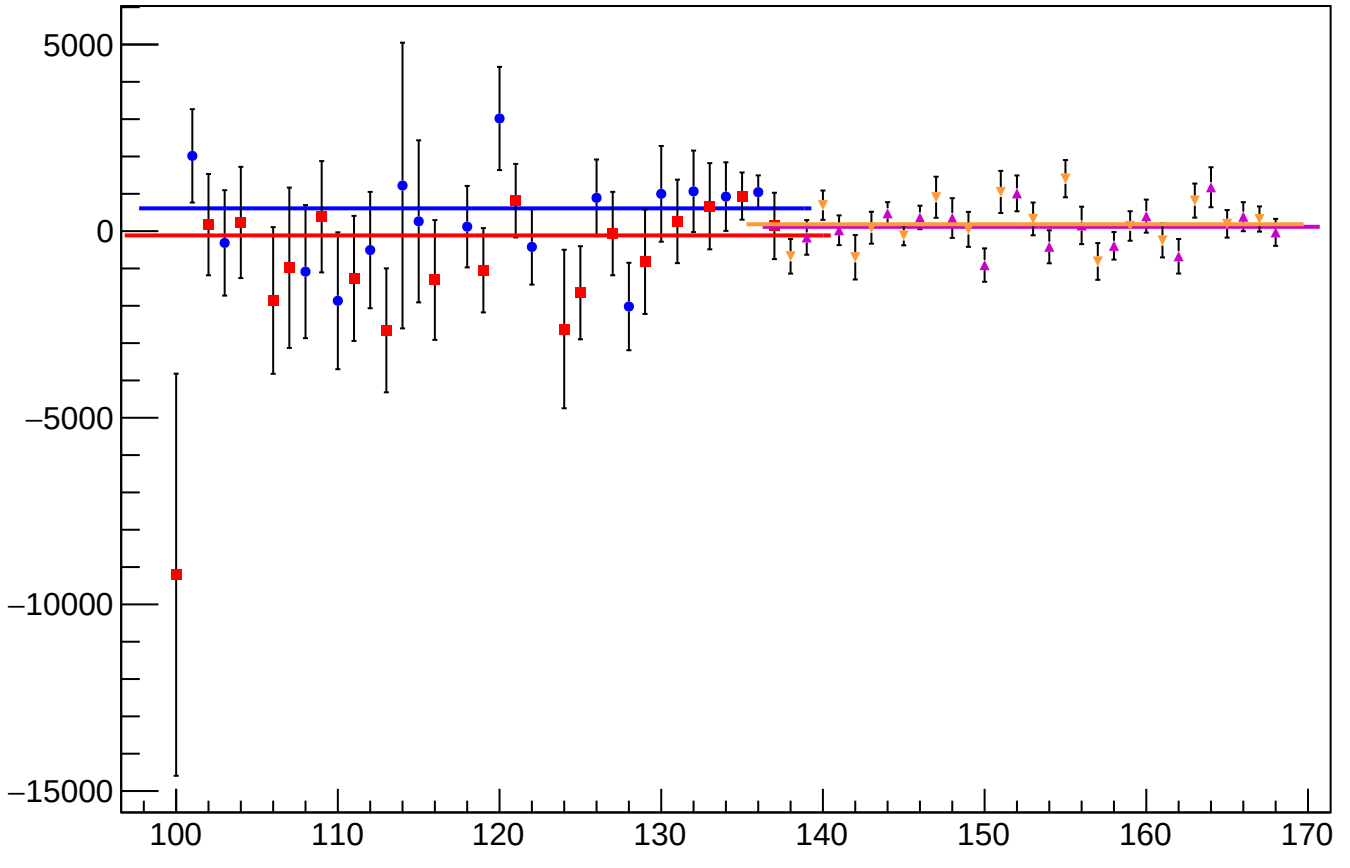
Left: 55.714+/-0.008 χ^2/NDF: 698276.3/30

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 59.579+/-0.010 χ^2/NDF:1458101.1/30

Out: 60.344+/-0.010 χ^2/NDF:1615084.0/34

All: 59.961+/-0.007 χ^2/NDF: 3076274.2/65



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 184.324+/-105.265 χ^2/NDF:26.0/15

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 116.621+/-106.024 χ^2/NDF:22.7/14

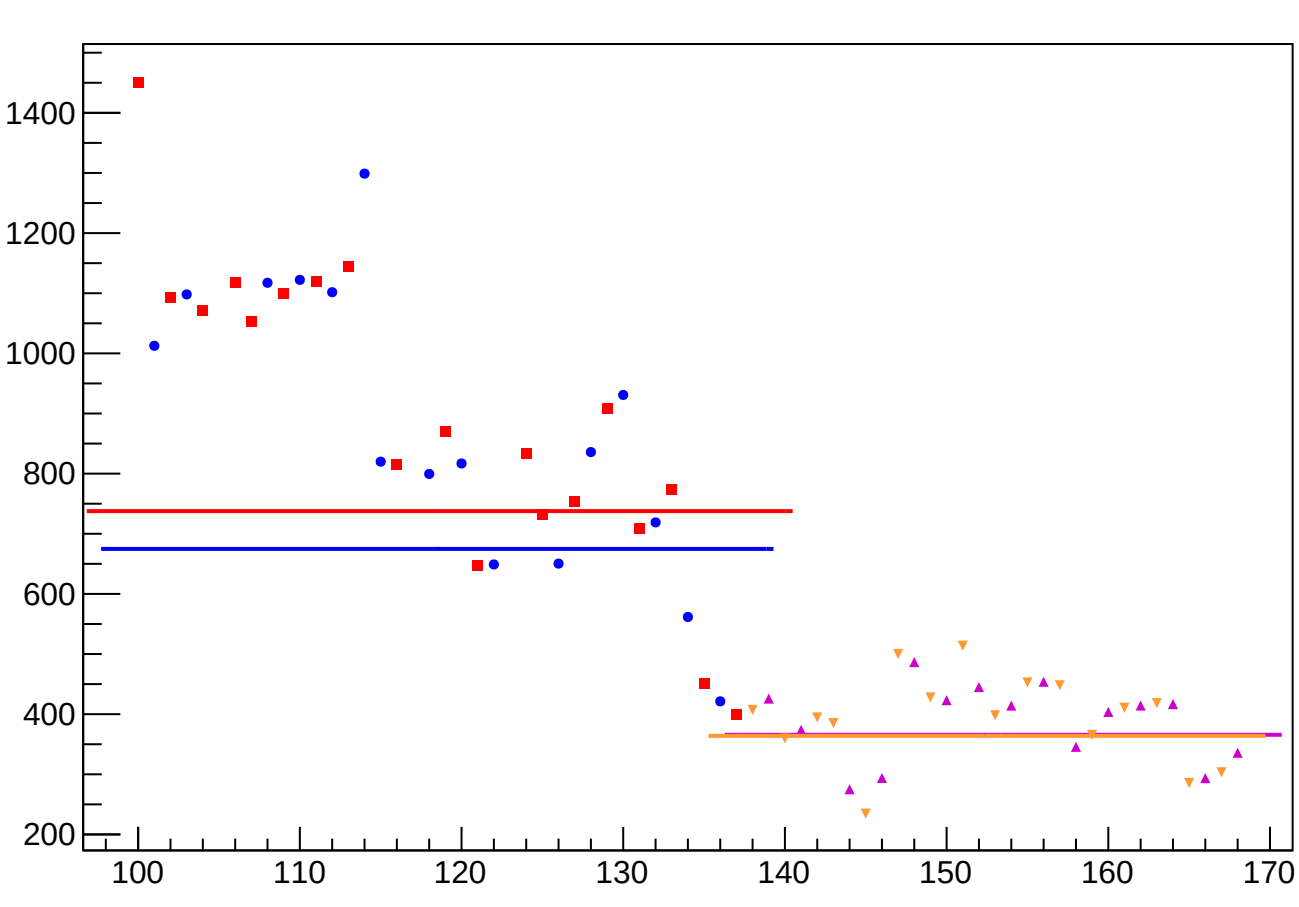
Left: 150.716+/-74.700 χ^2/NDF: 49.0/30

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 183.985+/-98.529 χ^2/NDF:41.4/30

Out: 148.284+/-98.716 χ^2/NDF:42.6/34

All: 166.168+/-69.737 χ^2/NDF: 84.0/65



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148208.1/15

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 365.738+/-0.075 χ^2/NDF:741584.9/14

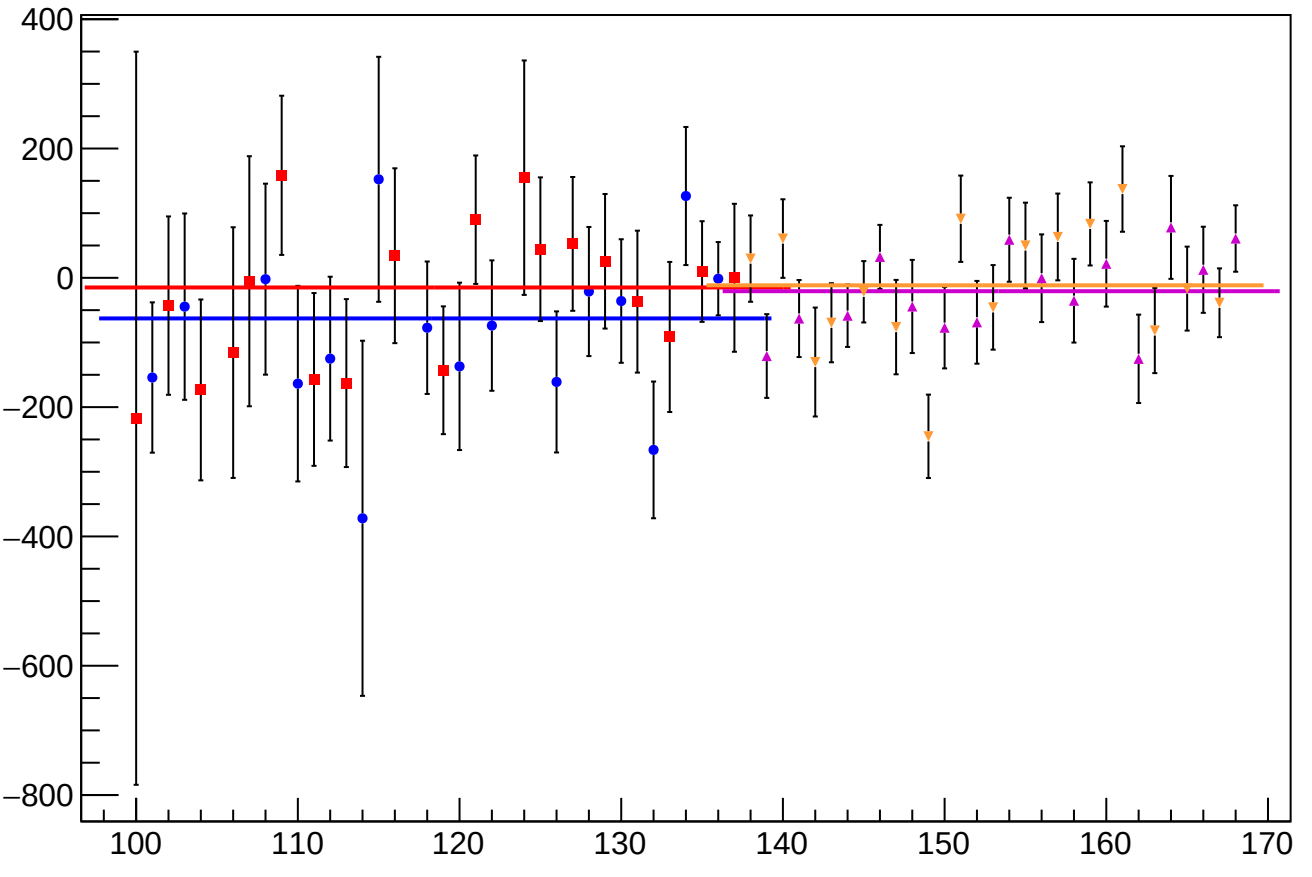
Left: 364.809+/-0.053 χ^2/NDF: 1890098.1/30

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 407.892+/-0.070 χ^2/NDF:4677379.0/30

Out: 408.954+/-0.070 χ^2/NDF:5705029.5/34

All: 408.422+/-0.049 χ^2/NDF: 10382524.4/65



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -20.689+/-15.929 χ^2/NDF:14.8/14

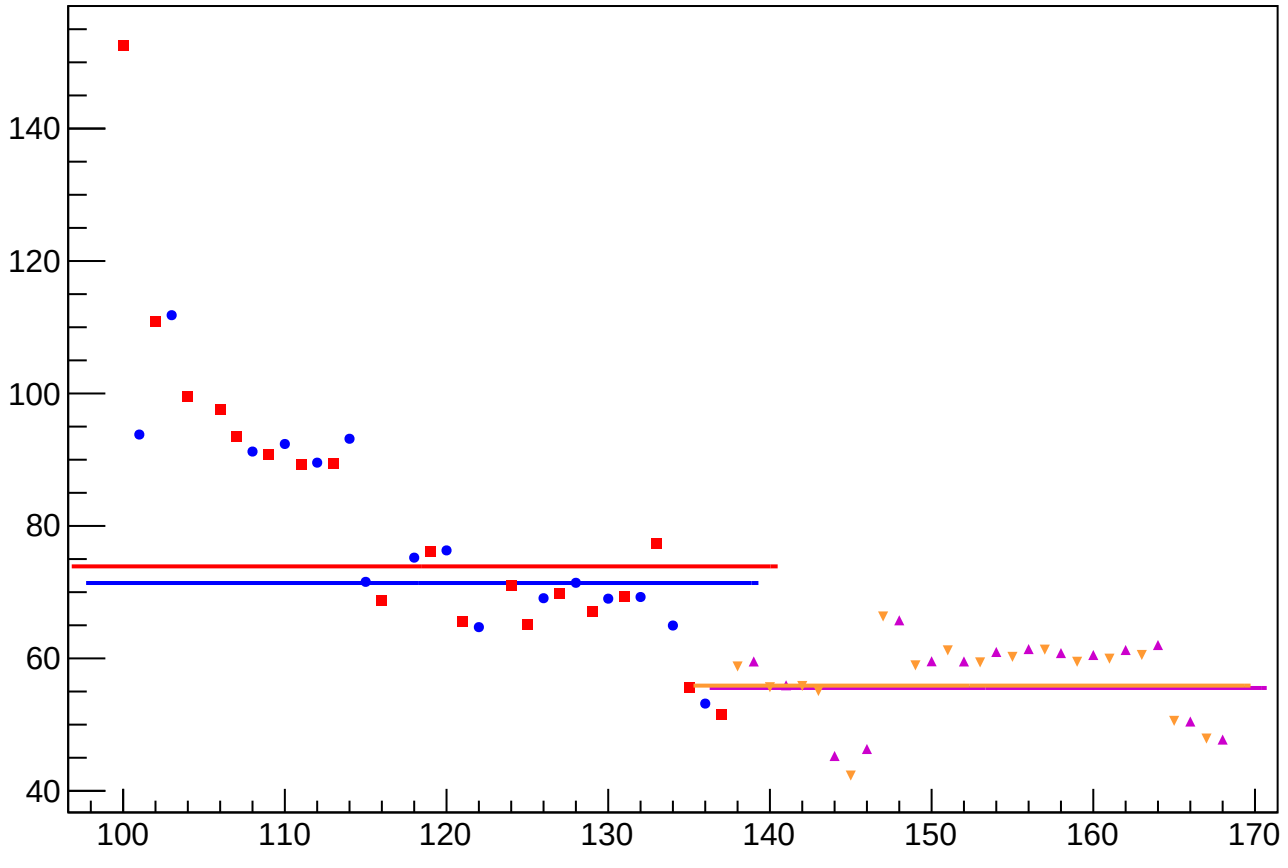
Left: -16.121+/-11.240 χ^2/NDF: 47.0/30

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -31.433+/-13.747 χ^2/NDF:30.1/30

Out: -12.412+/-13.775 χ^2/NDF:43.4/34

All: -21.941+/-9.730 χ^2/NDF: 74.5/65



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

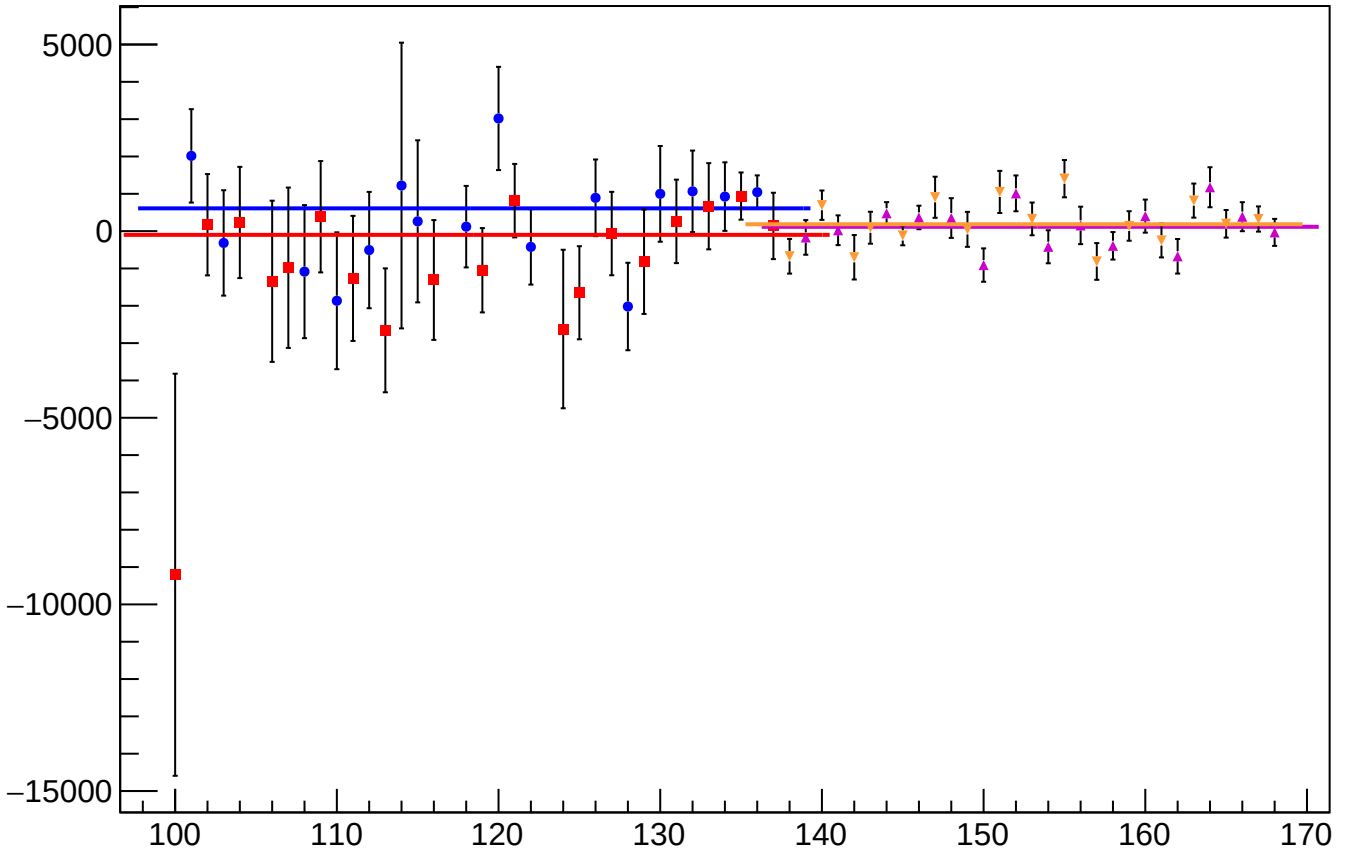
Left: 55.714+/-0.008 χ^2/NDF: 698276.3/30

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 59.579+/-0.010 χ^2/NDF:1458103.7/30

Out: 60.316+/-0.010 χ^2/NDF:1596154.7/34

All: 59.947+/-0.007 χ^2/NDF: 3057127.3/65



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 116.619+/-106.024 χ^2/NDF:22.7/14

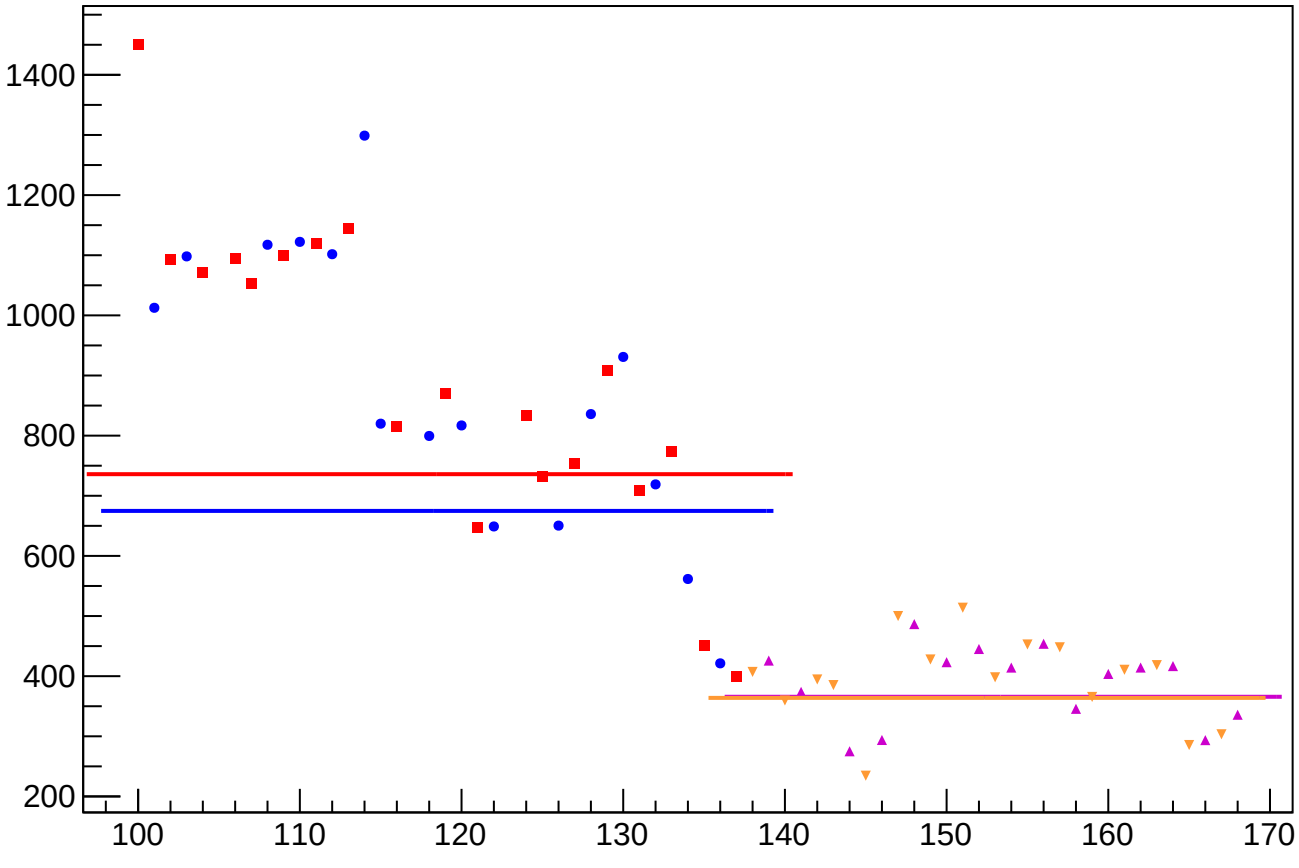
Left: 150.714+/-74.700 χ^2/NDF: 49.0/30

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 183.981+/-98.529 χ^2/NDF:41.4/30

Out: 150.210+/-98.738 χ^2/NDF:42.0/34

All: 167.131+/-69.744 χ^2/NDF: 83.4/65



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 365.738+/-0.075 χ^2/NDF:741587.4/14

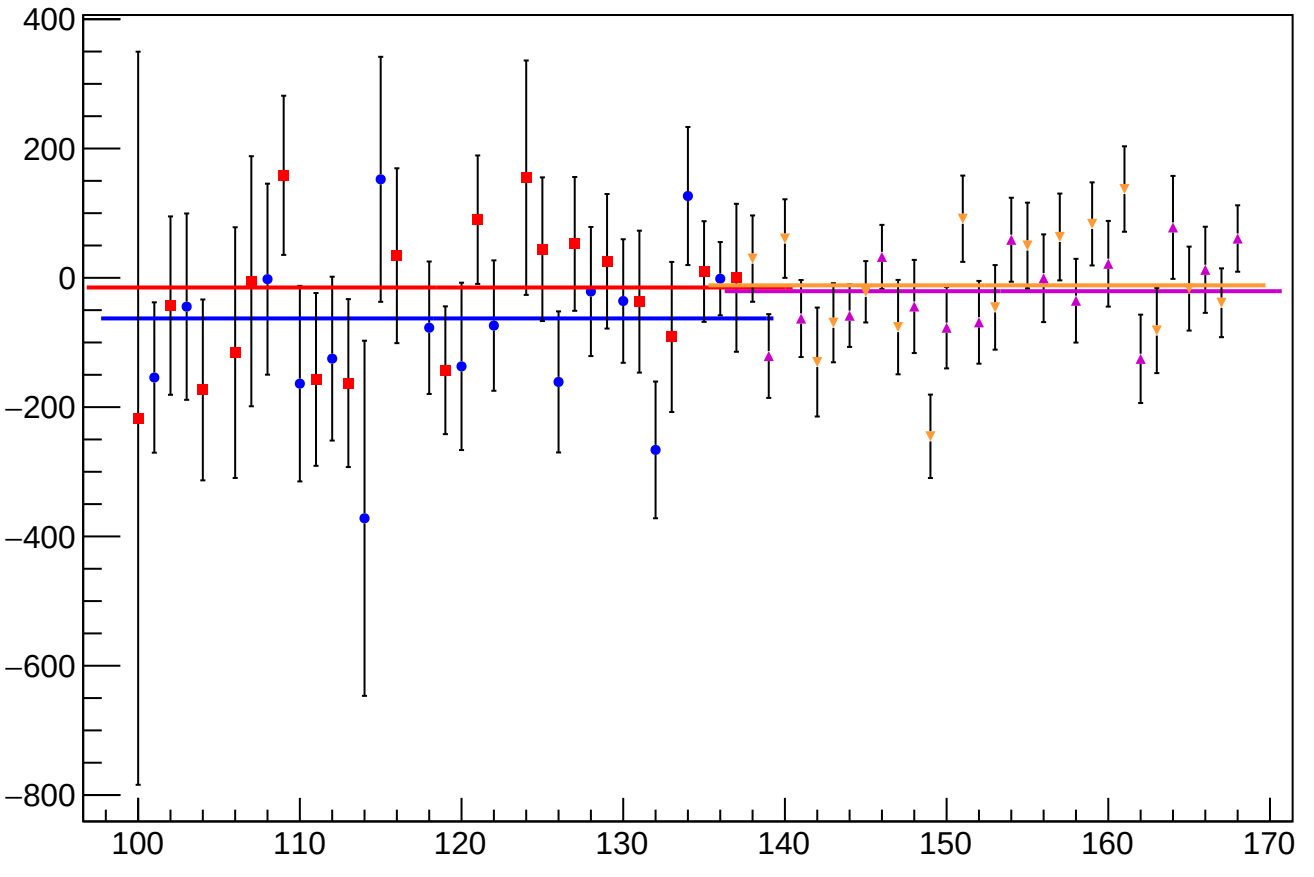
Left: 364.809+/-0.053 χ^2/NDF: 1890105.7/30

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 407.892+/-0.070 χ^2/NDF:4677402.2/30

Out: 408.599+/-0.070 χ^2/NDF:5647136.9/34

All: 408.245+/-0.049 χ^2/NDF: 10324590.3/65



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -11.590+/-15.862 χ^2/NDF:32.0/15

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -20.689+/-15.929 χ^2/NDF:14.8/14

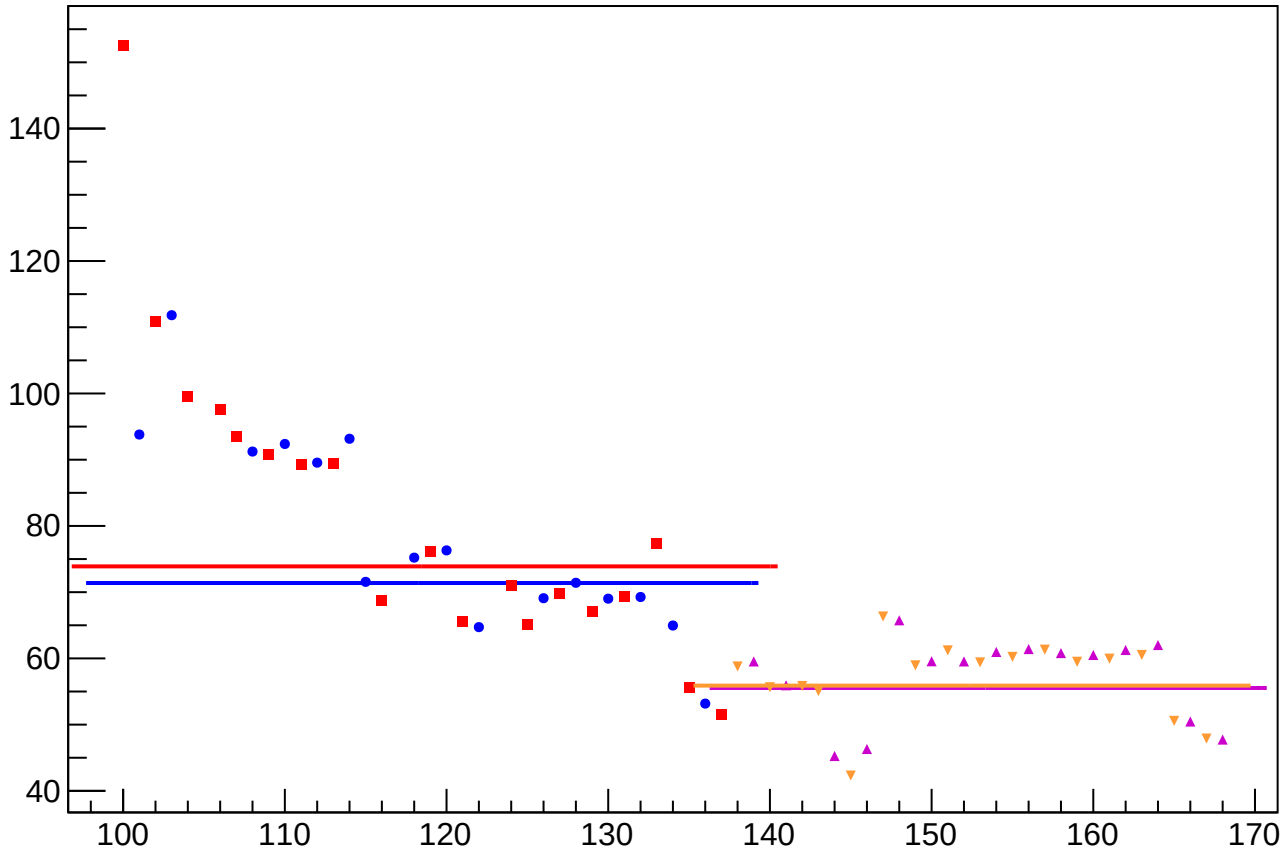
Left: -16.121+/-11.240 χ^2/NDF: 47.0/30

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -31.433+/-13.747 χ^2/NDF:30.1/30

Out: -12.412+/-13.775 χ^2/NDF:43.4/34

All: -21.941+/-9.730 χ^2/NDF: 74.5/65



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.891+/-0.011 χ^2/NDF:335804.6/15

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.535+/-0.011 χ^2/NDF:361970.5/14

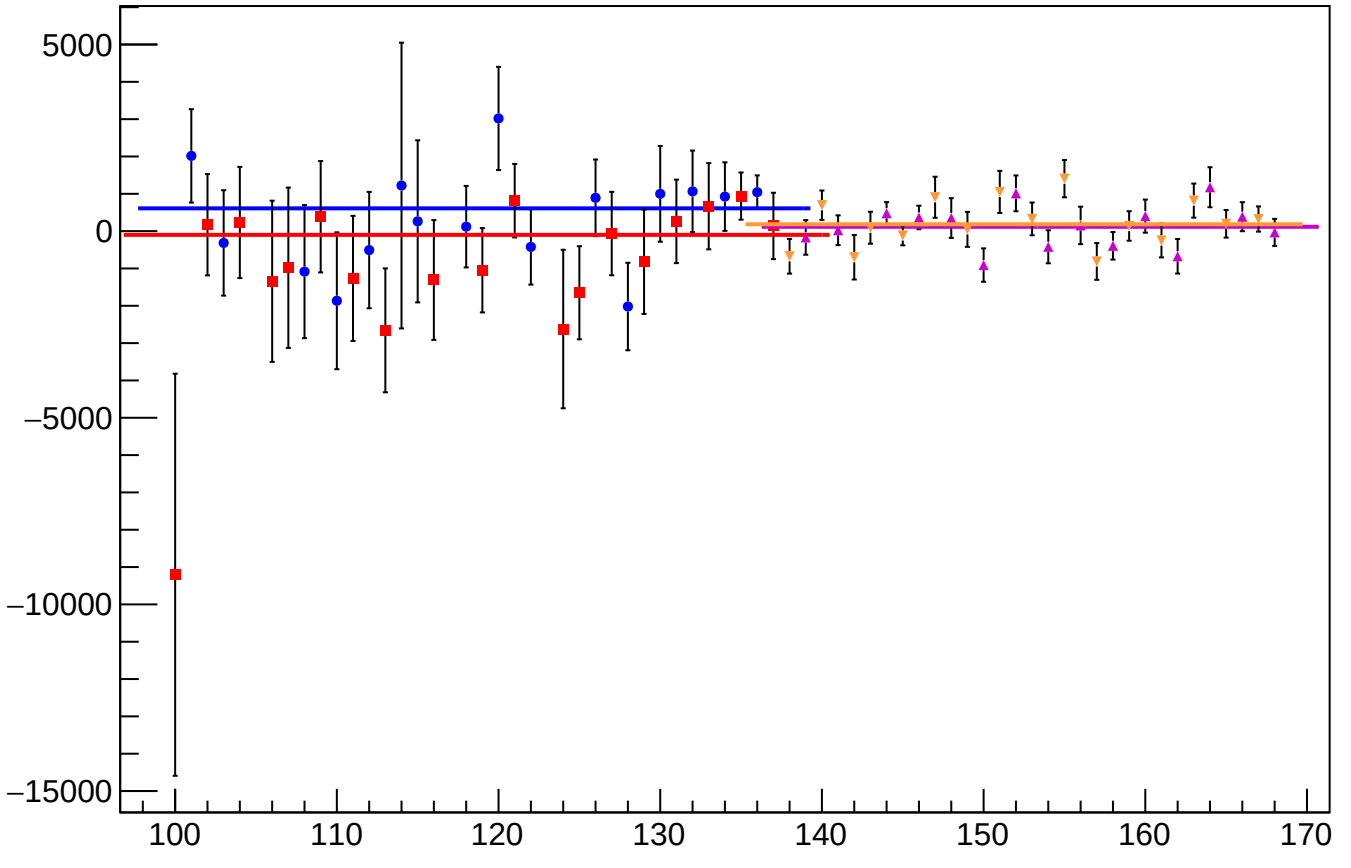
Left: 55.714+/-0.008 χ^2/NDF: 698276.3/30

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 59.579+/-0.010 χ^2/NDF:1458103.7/30

Out: 60.316+/-0.010 χ^2/NDF:1596154.7/34

All: 59.947+/-0.007 χ^2/NDF: 3057127.3/65



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 184.323+/-105.265 χ^2/NDF:26.0/15

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 116.619+/-106.024 χ^2/NDF:22.7/14

Left: 150.714+/-74.700 χ^2/NDF: 49.0/30

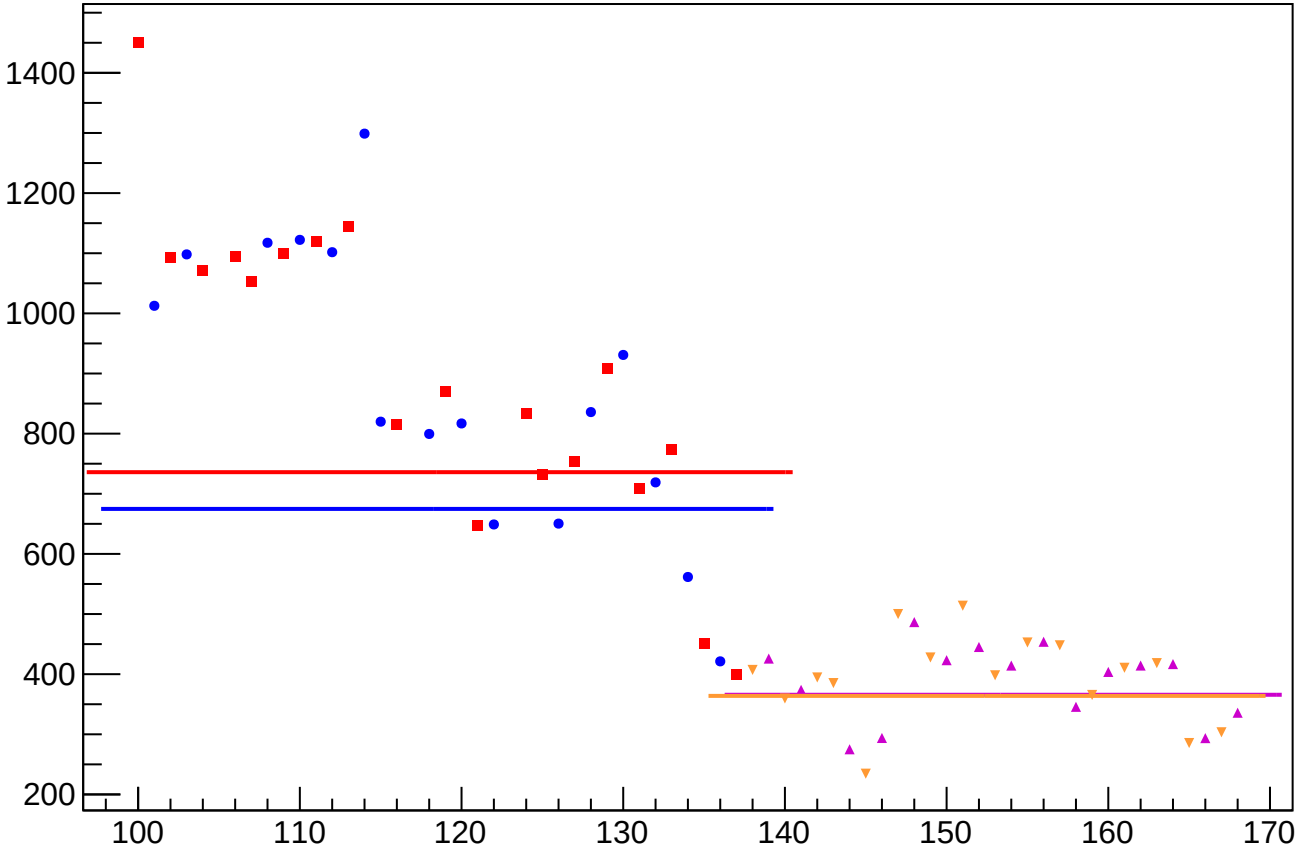
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 183.981+/-98.529 χ^2/NDF:41.4/30

Out: 150.210+/-98.738 χ^2/NDF:42.0/34

All: 167.131+/-69.744 χ^2/NDF: 83.4/65

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: 363.893+/-0.074 χ^2/NDF:1148213.1/15

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 365.738+/-0.075 χ^2/NDF:741587.4/14

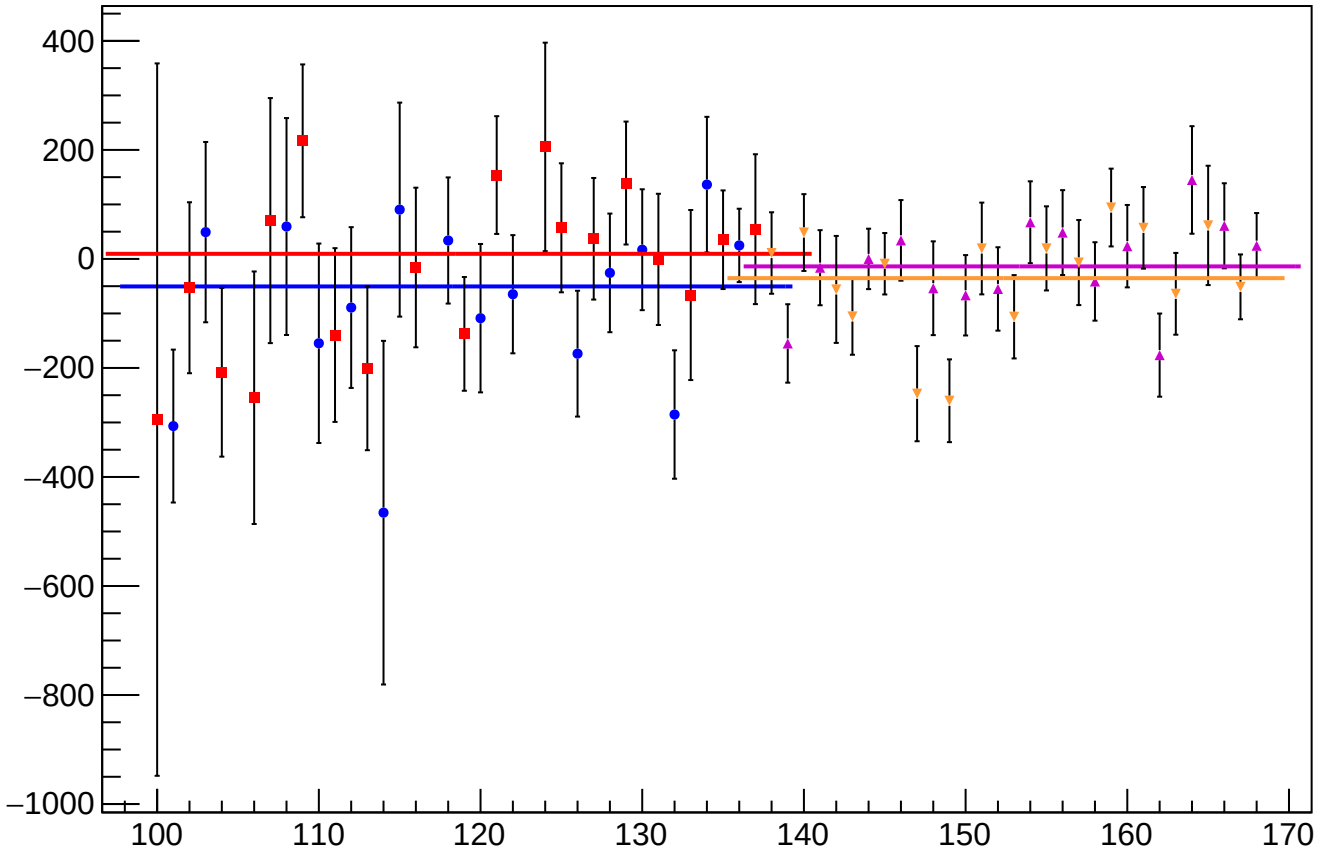
Left: 364.809+/-0.053 χ^2/NDF: 1890105.7/30

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 407.892+/-0.070 χ^2/NDF:4677402.2/30

Out: 408.599+/-0.070 χ^2/NDF:5647136.9/34

All: 408.245+/-0.049 χ^2/NDF: 10324590.3/65



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.247+/-18.668 χ^2/NDF:25.5/15

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.704+/-18.798 χ^2/NDF:16.0/14

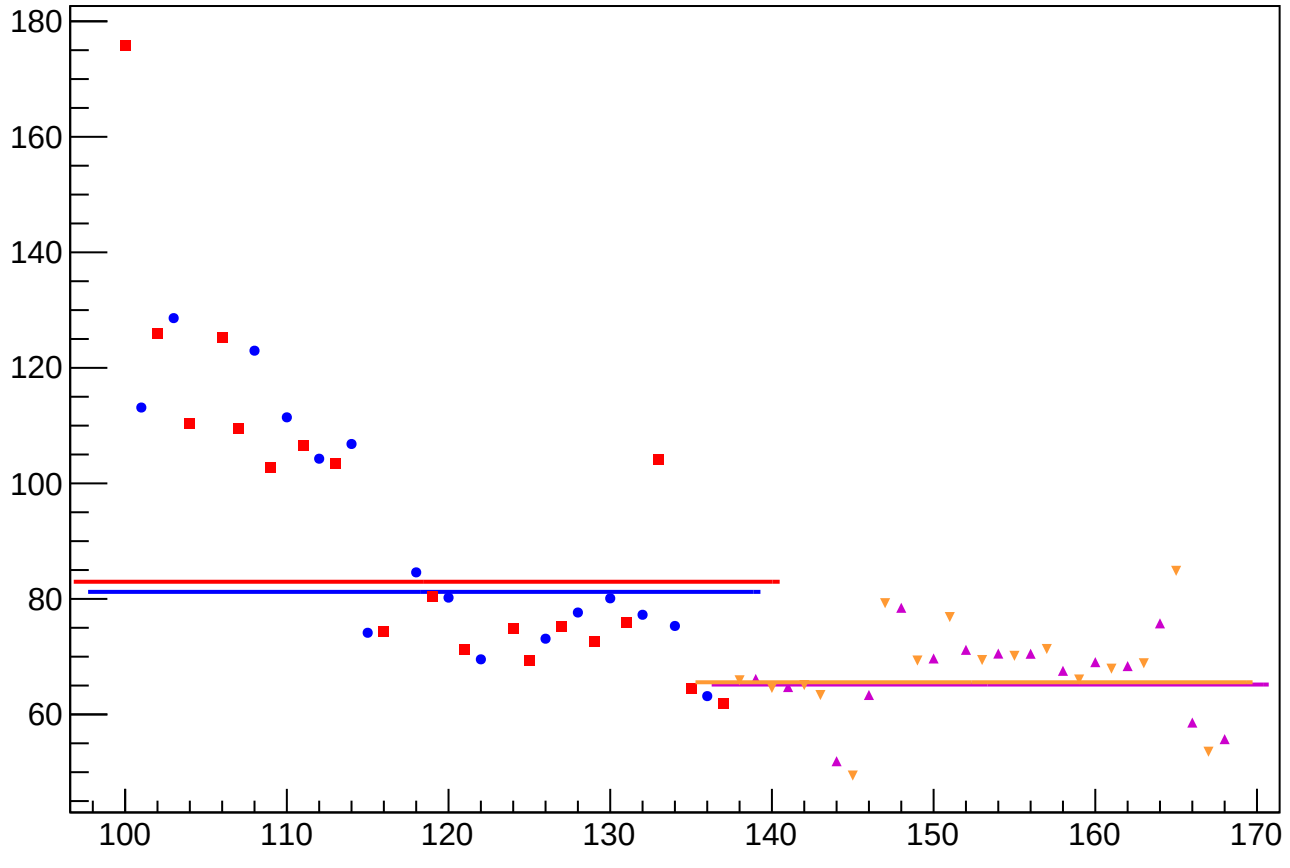
Left: -24.550+/-13.246 χ^2/NDF: 42.1/30

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.559+/-16.082 χ^2/NDF:33.4/30

Out: -23.501+/-16.024 χ^2/NDF:42.5/34

All: -23.530+/-11.351 χ^2/NDF: 76.0/65



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.568+/-0.013 χ^2/NDF:429563.1/15

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.174+/-0.013 χ^2/NDF:301455.0/14

Left: 65.372+/-0.009 χ^2/NDF: 731460.3/30

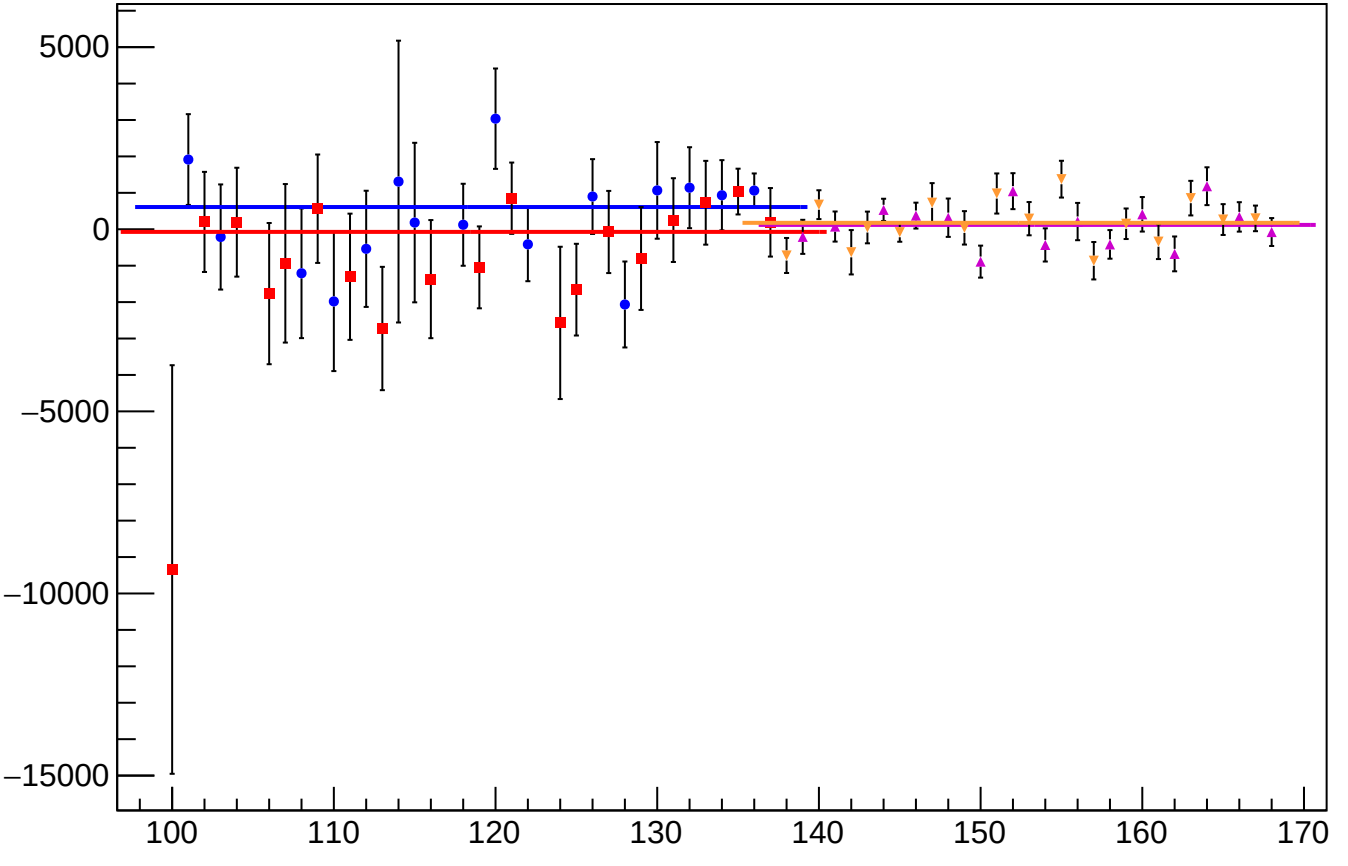
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 69.475+/-0.011 χ^2/NDF:1354876.4/30

Out: 70.148+/-0.011 χ^2/NDF:1617397.8/34

All: 69.813+/-0.008 χ^2/NDF: 2974033.1/65

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.309+/-110.063 χ^2/NDF:23.0/14

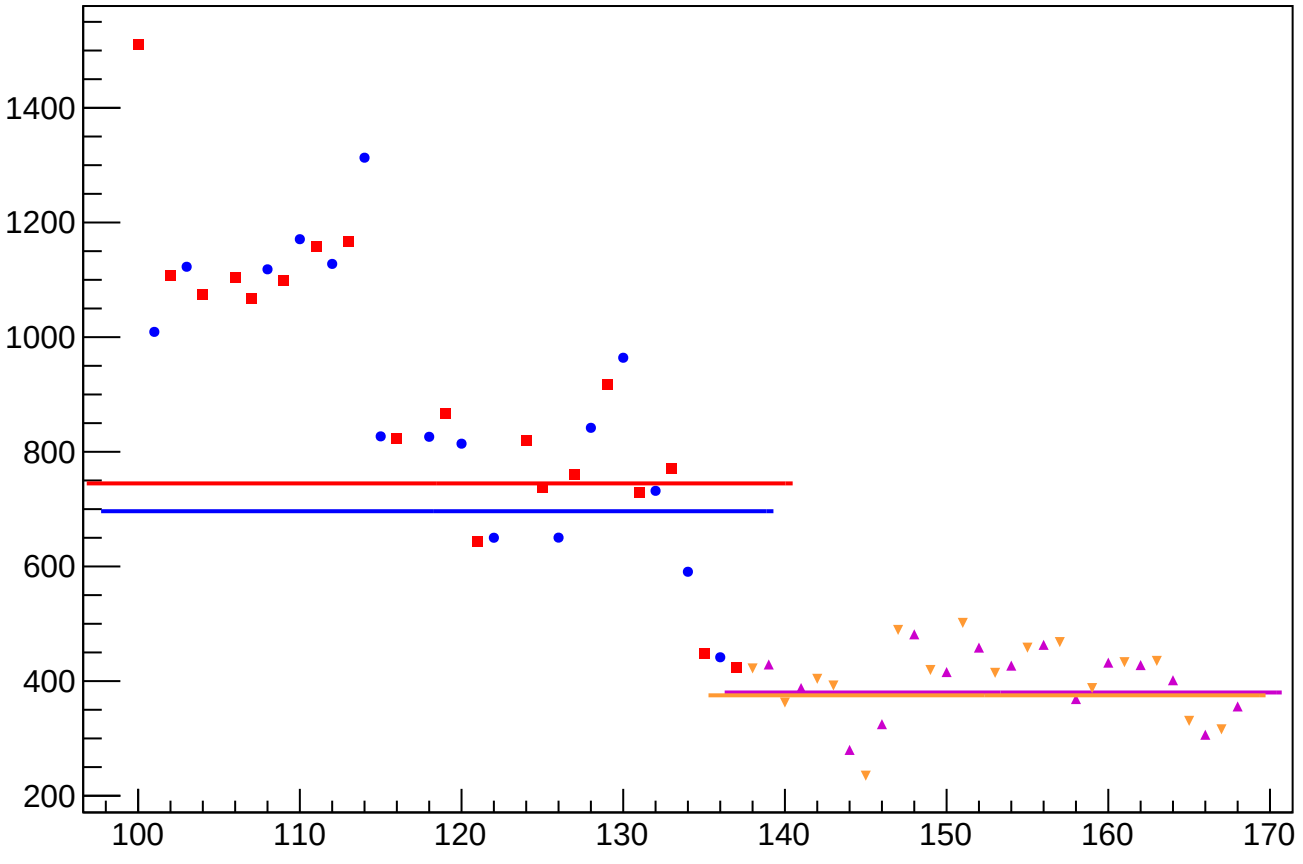
Left: 148.463+/-77.167 χ^2/NDF: 47.5/30

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 187.545+/-102.131 χ^2/NDF:41.6/30

Out: 145.625+/-101.255 χ^2/NDF:41.2/34

All: 166.404+/-71.906 χ^2/NDF: 82.8/65



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 375.207+/-0.077 χ^2/NDF:1089758.9/15

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 380.169+/-0.078 χ^2/NDF:621816.2/14

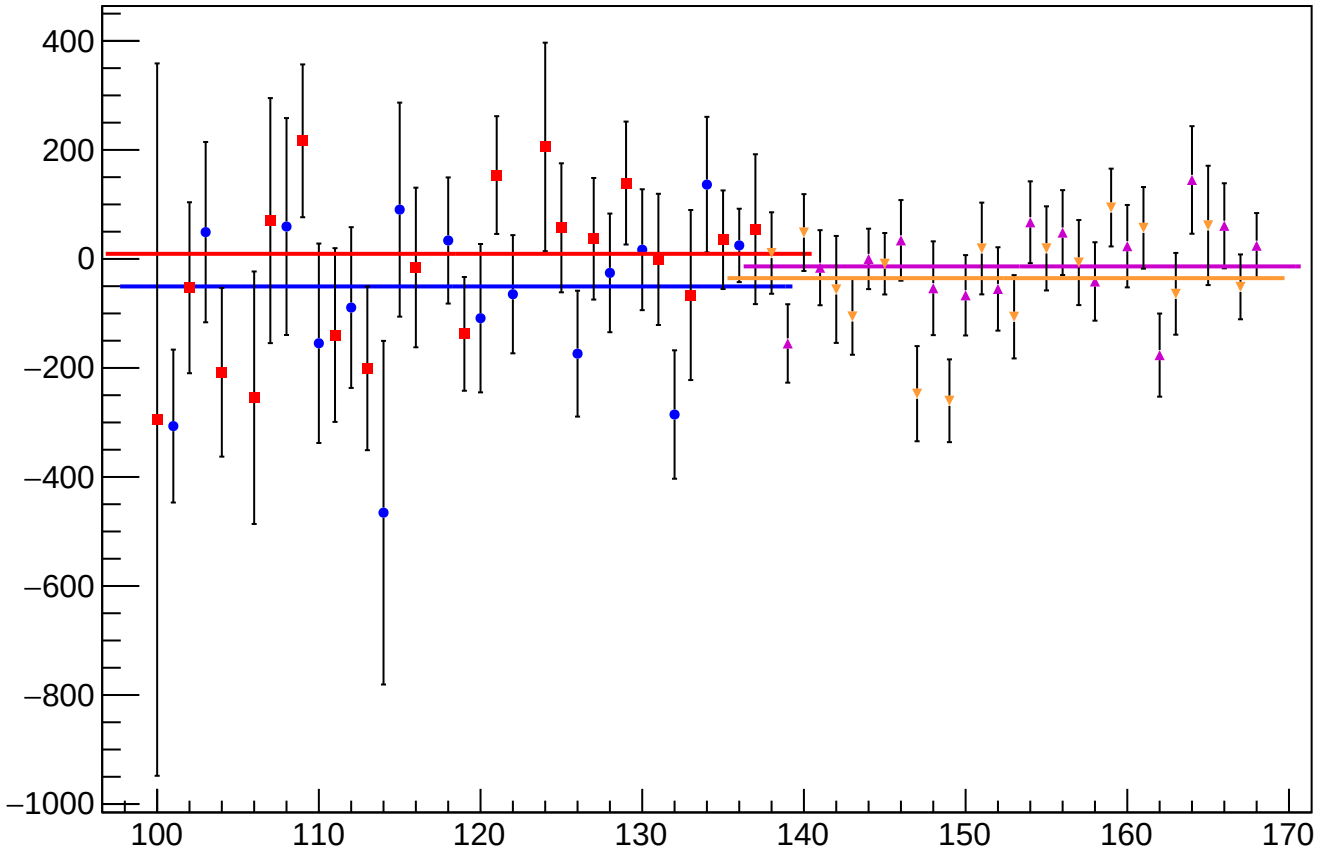
Left: 377.646+/-0.055 χ^2/NDF: 1713642.0/30

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 424.106+/-0.072 χ^2/NDF:4431023.7/30

Out: 421.274+/-0.072 χ^2/NDF:5496169.0/34

All: 422.678+/-0.051 χ^2/NDF: 9927968.1/65



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -35.246+/-18.668 χ^2/NDF:25.5/15

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.702+/-18.798 χ^2/NDF:16.0/14

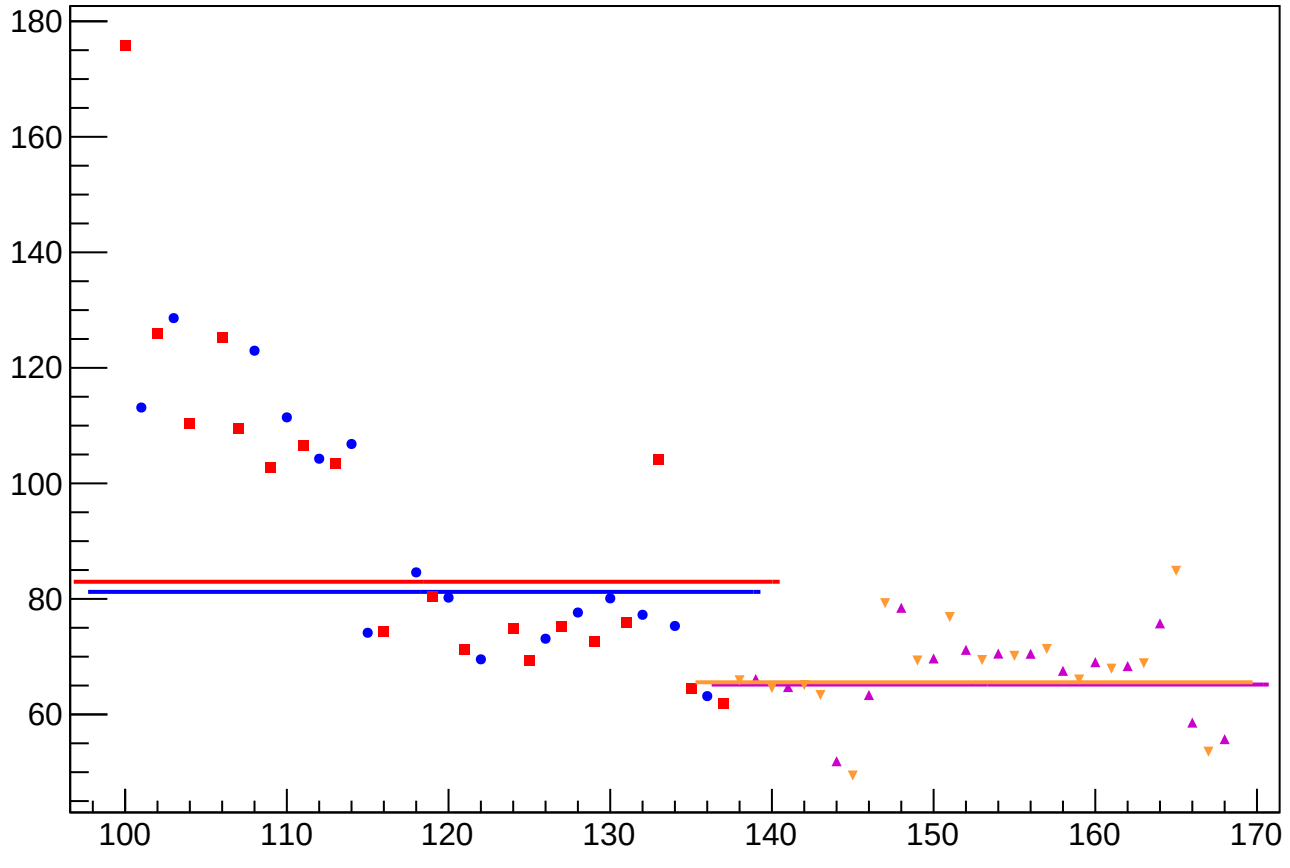
Left: -24.549+/-13.246 χ^2/NDF: 42.1/30

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.558+/-16.082 χ^2/NDF:33.4/30

Out: -23.501+/-16.024 χ^2/NDF:42.5/34

All: -23.529+/-11.351 χ^2/NDF: 76.0/65



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.568+/-0.013 χ^2/NDF:429562.9/15

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.174+/-0.013 χ^2/NDF:301453.7/14

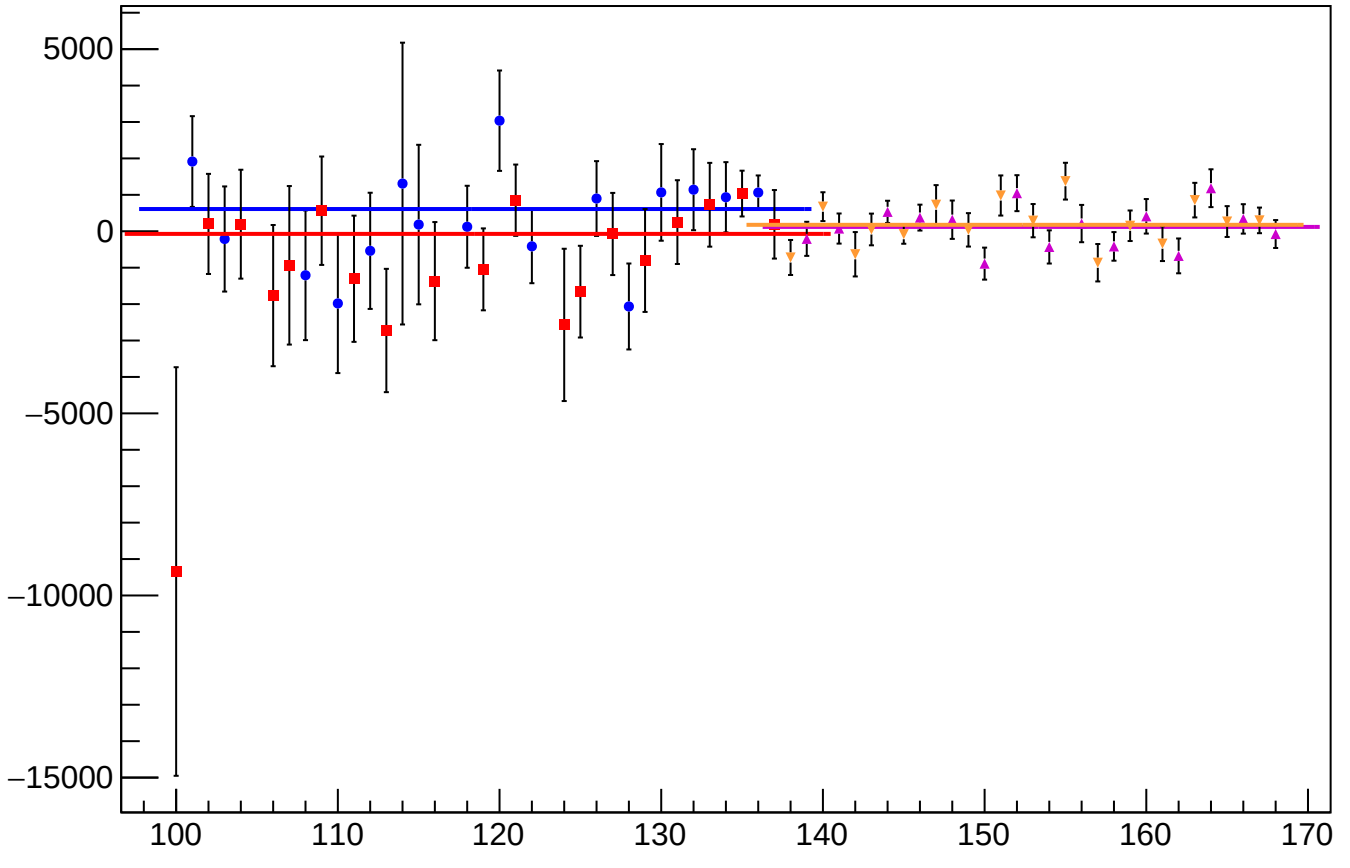
Left: 65.373+/-0.009 χ^2/NDF: 731458.8/30

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 69.475+/-0.011 χ^2/NDF:1354837.1/30

Out: 70.148+/-0.011 χ^2/NDF:1617368.8/34

All: 69.813+/-0.008 χ^2/NDF: 2973965.0/65



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 176.650+/-108.223 χ^2/NDF:24.3/15

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.310+/-110.063 χ^2/NDF:23.0/14

Left: 148.463+/-77.167 χ^2/NDF: 47.5/30

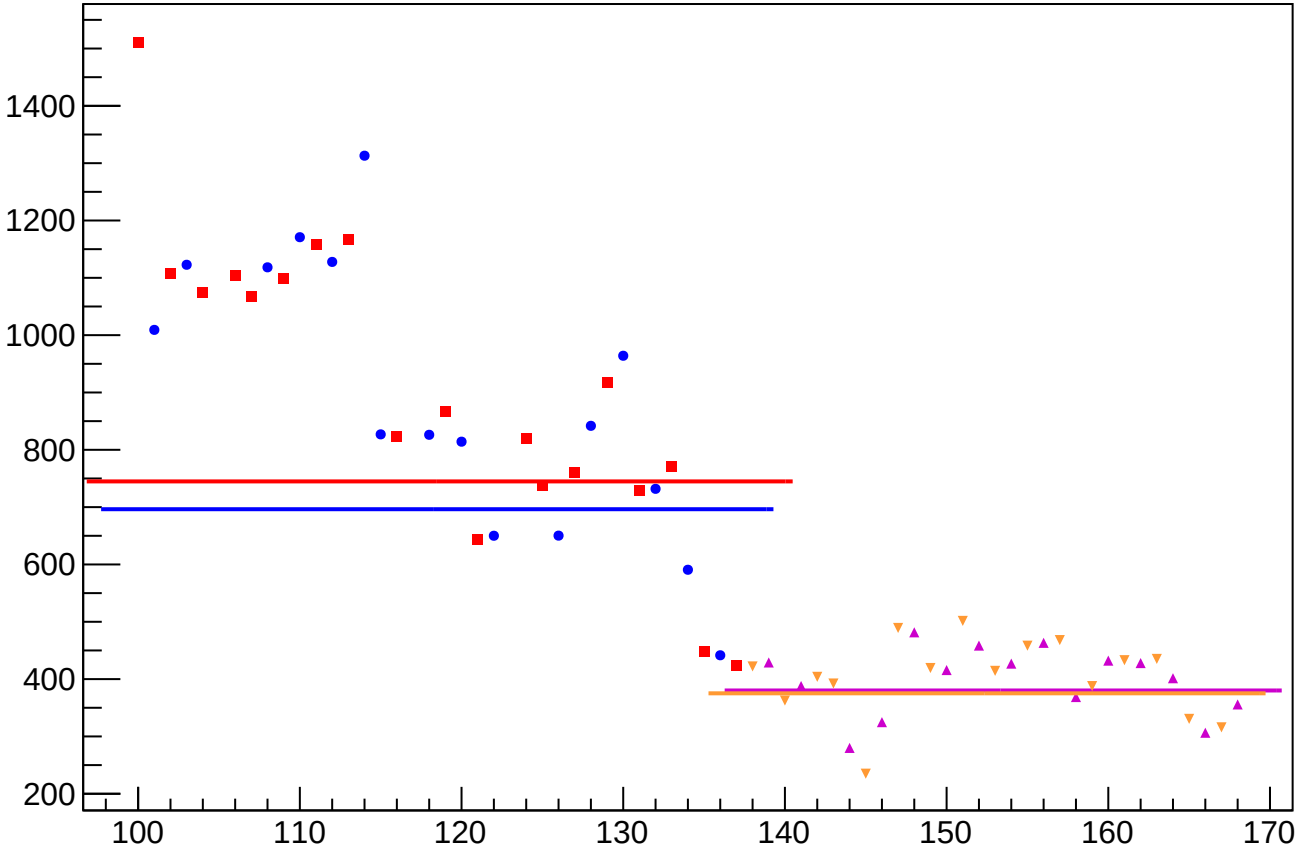
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 187.546+/-102.131 χ^2/NDF:41.6/30

Out: 145.624+/-101.255 χ^2/NDF:41.2/34

All: 166.405+/-71.906 χ^2/NDF: 82.8/65

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: 375.207+/-0.077 χ^2/NDF:1089779.7/15

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 380.169+/-0.078 χ^2/NDF:621824.8/14

Left: 377.646+/-0.055 χ^2/NDF: 1713671.6/30

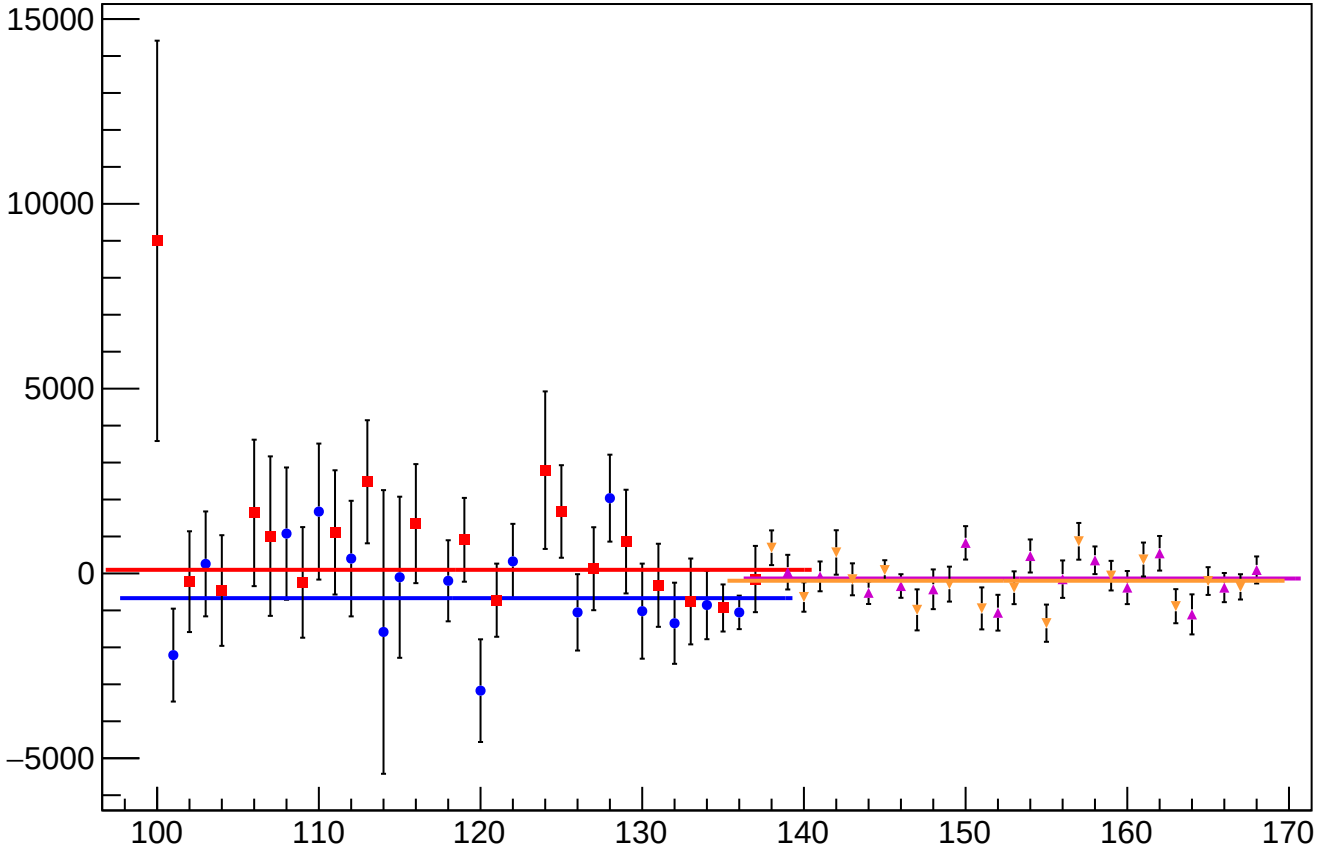
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 424.106+/-0.072 χ^2/NDF:4431008.2/30

Out: 421.274+/-0.072 χ^2/NDF:5496170.4/34

All: 422.678+/-0.051 χ^2/NDF: 9927954.2/65

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -197.422+/-106.532 χ^2/NDF:25.5/15

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -137.274+/-107.283 χ^2/NDF:20.7/14

Left: -167.559+/-75.594 χ^2/NDF: 46.4/30

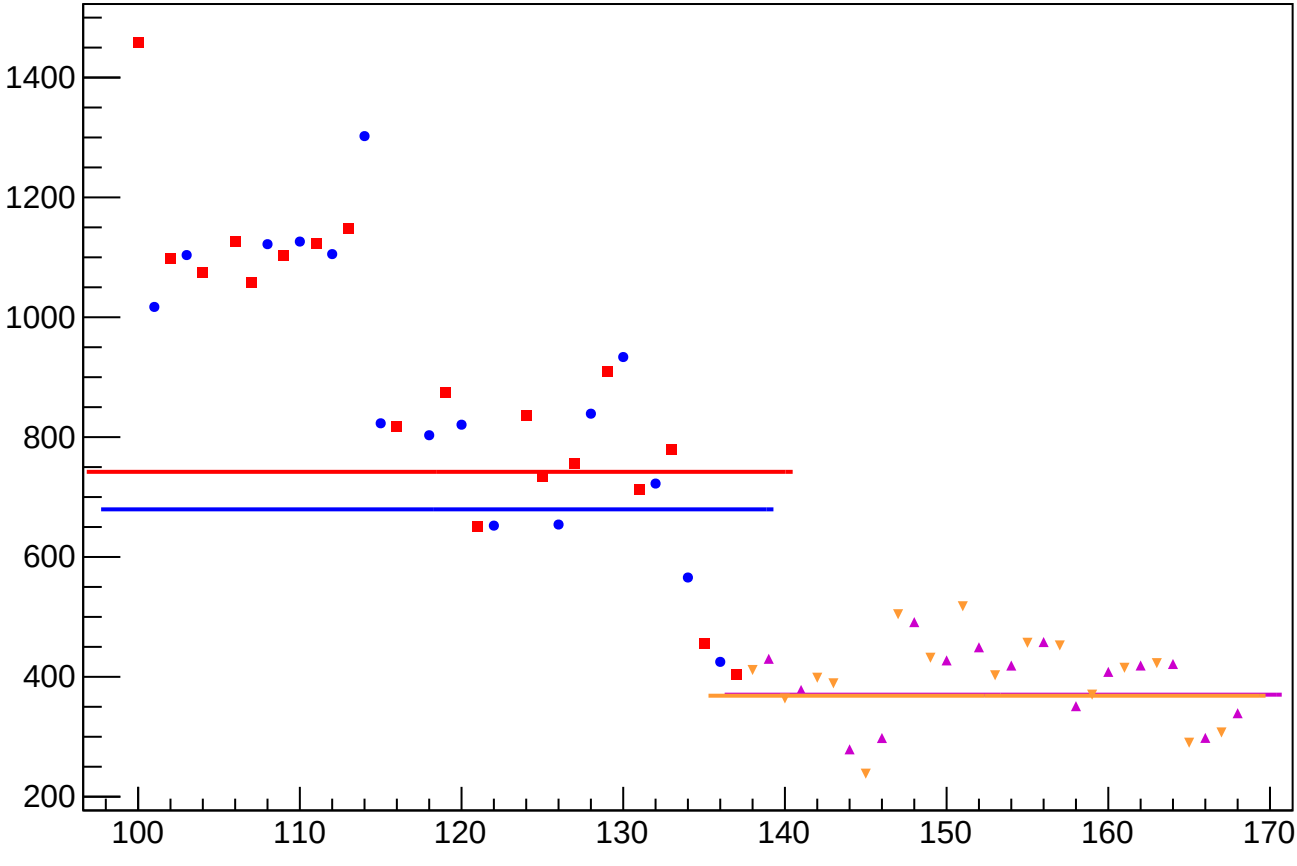
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -210.432+/-99.623 χ^2/NDF:40.2/30

Out: -161.400+/-99.826 χ^2/NDF:41.3/34

All: -185.966+/-70.516 χ^2/NDF: 81.6/65

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 368.512+/-0.075 χ^2/NDF:1121940.4/15

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 370.235+/-0.076 χ^2/NDF:727310.3/14

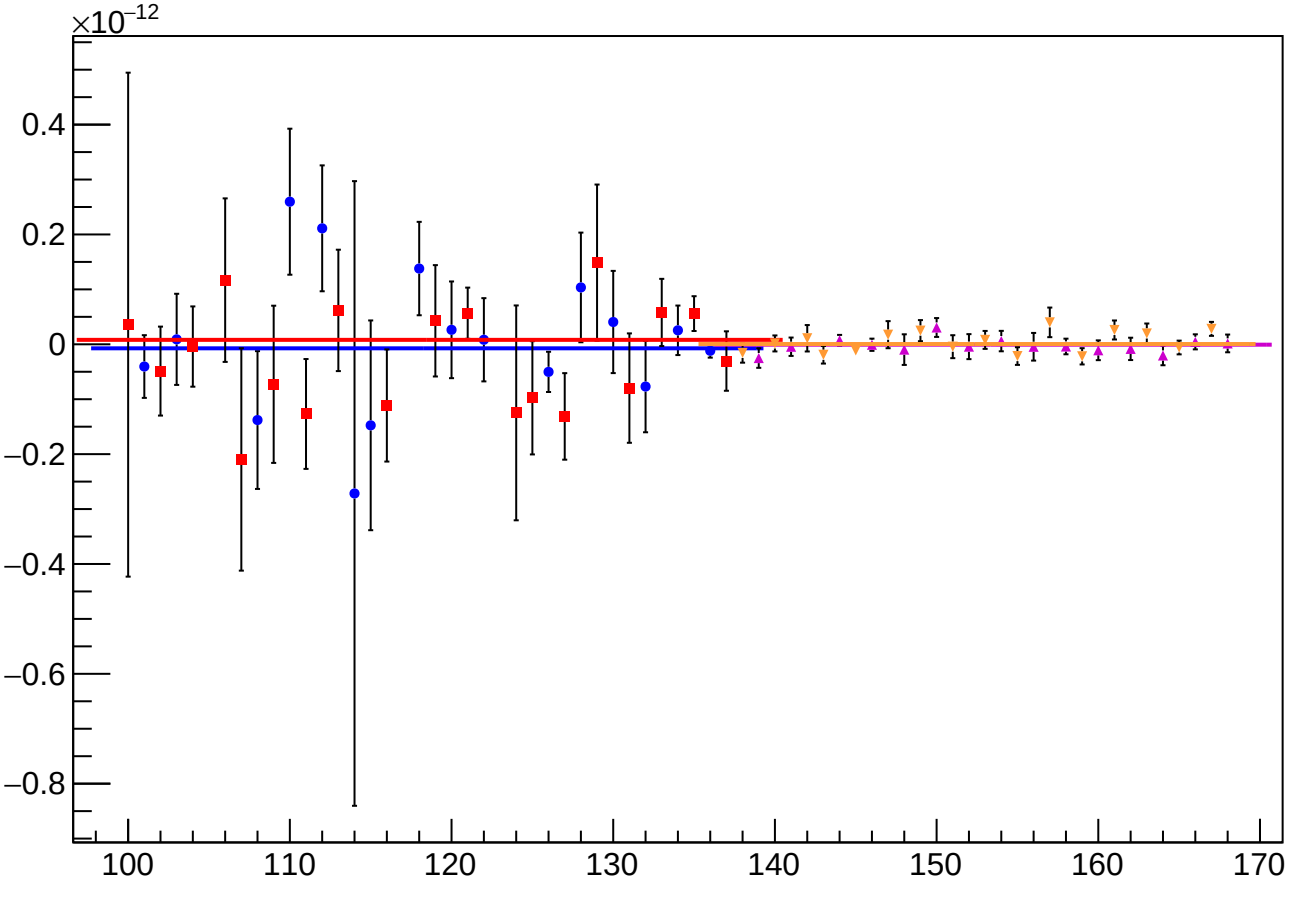
Left: 369.367+/-0.053 χ^2/NDF: 1849510.6/30

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 412.821+/-0.070 χ^2/NDF:4616567.0/30

Out: 414.062+/-0.071 χ^2/NDF:5624993.1/34

All: 413.440+/-0.050 χ^2/NDF: 10241714.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/14

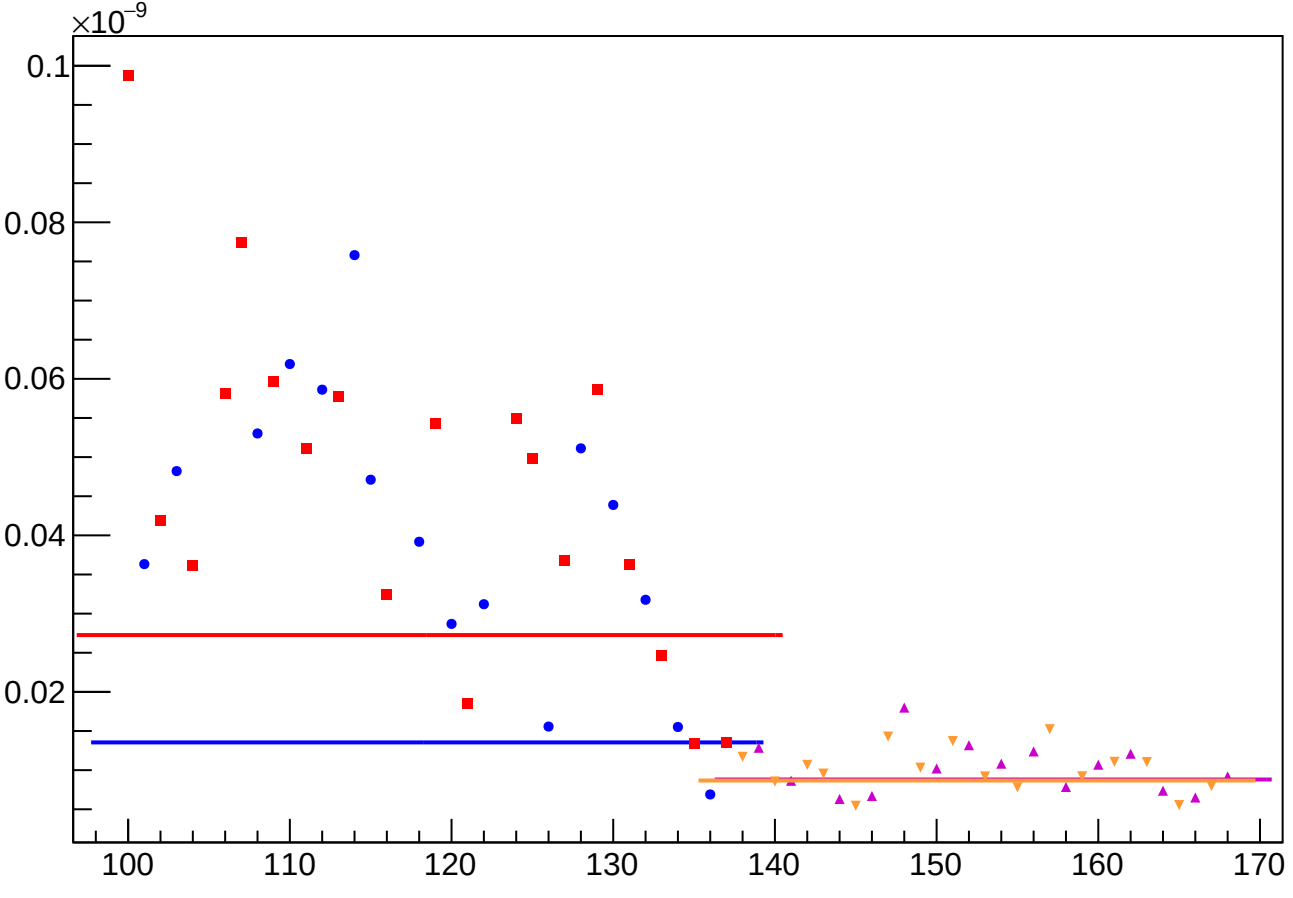
Left: -0.000+/-0.000 χ^2/NDF: 29.3/30

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.6/30

Out: 0.000+/-0.000 χ^2/NDF:38.4/34

All: -0.000+/-0.000 χ^2/NDF: 64.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:914263.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:825966.0/14

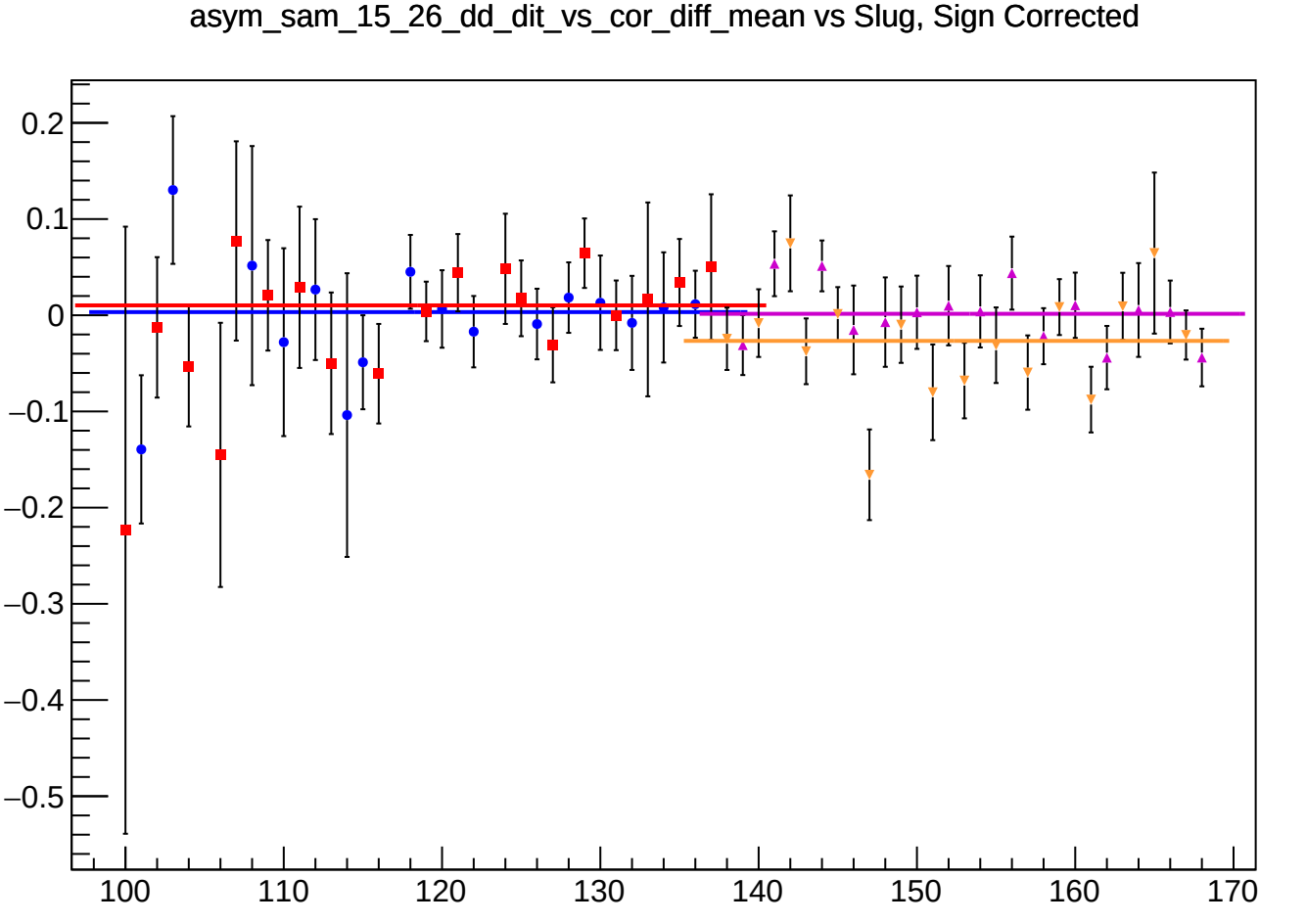
Left: 0.000+/-0.000 χ^2/NDF: 1741274.7/30

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4226766.4/30

Out: 0.000+/-0.000 χ^2/NDF:4842320.6/34

All: 0.000+/-0.000 χ^2/NDF: 9070288.5/65



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.009 χ^2/NDF:13.4/14

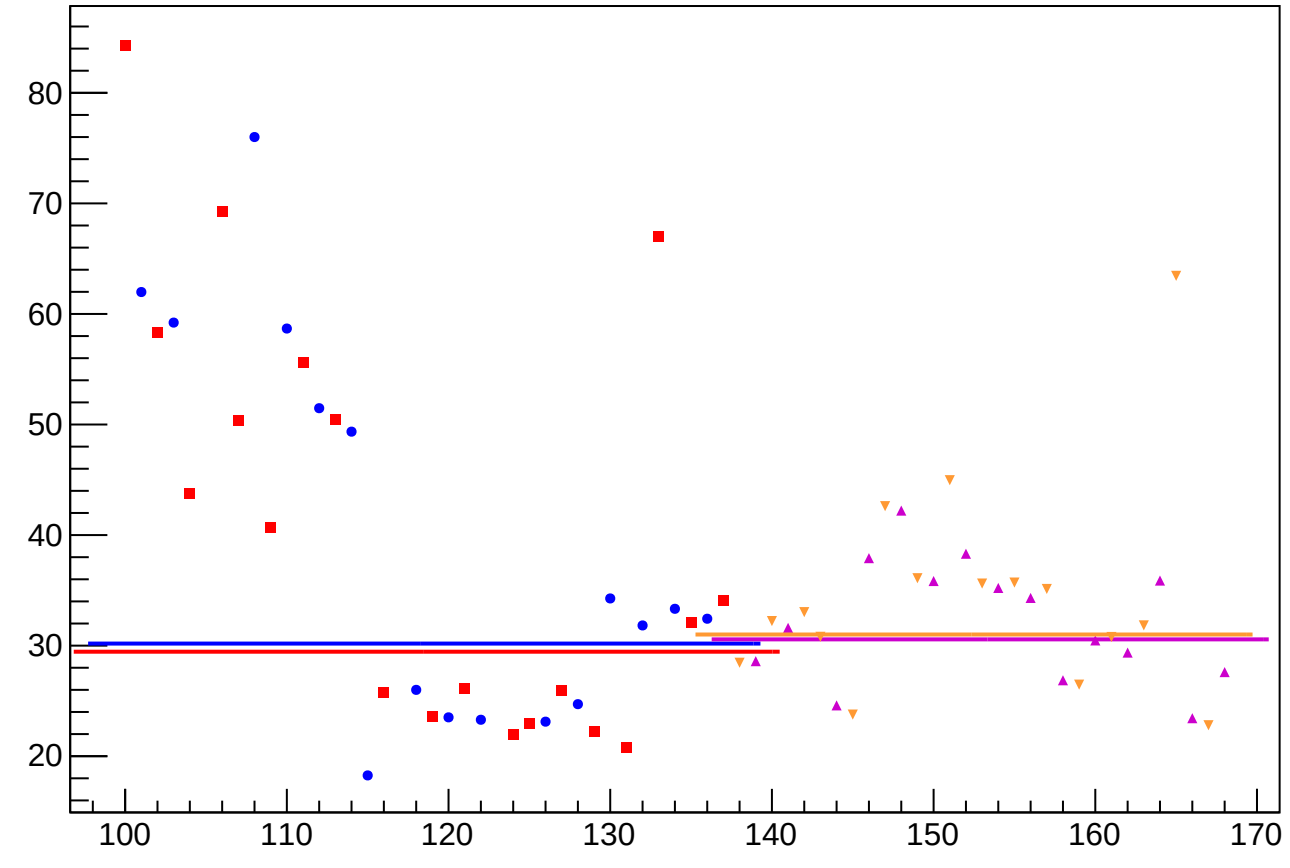
Left: -0.013+/-0.006 χ^2/NDF: 42.7/30

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.002+/-0.007 χ^2/NDF:23.5/30

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.006+/-0.005 χ^2/NDF: 67.6/65



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.566+/-0.006 χ^2/NDF:621059.6/14

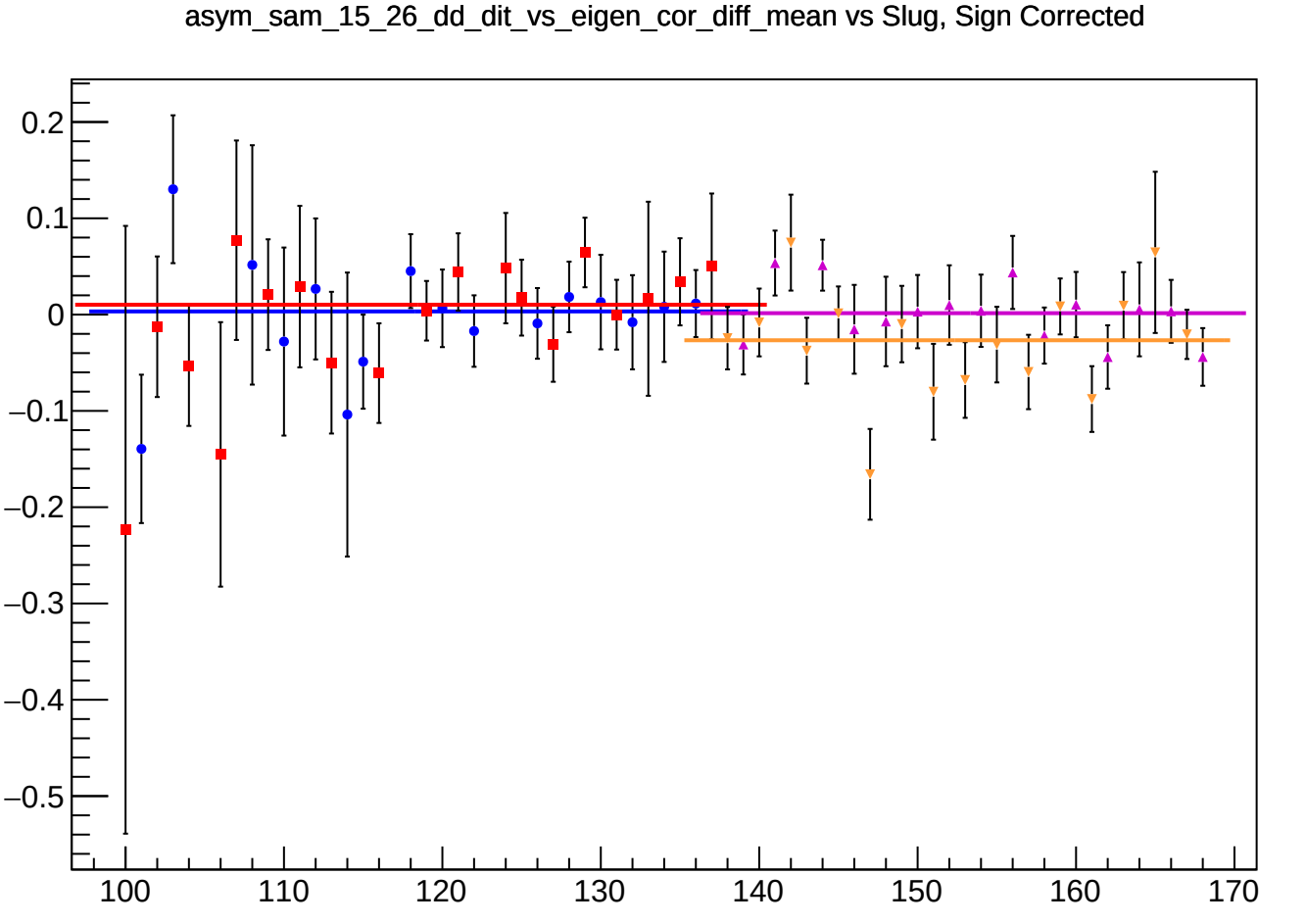
Left: 30.785+/-0.005 χ^2/NDF: 1722746.8/30

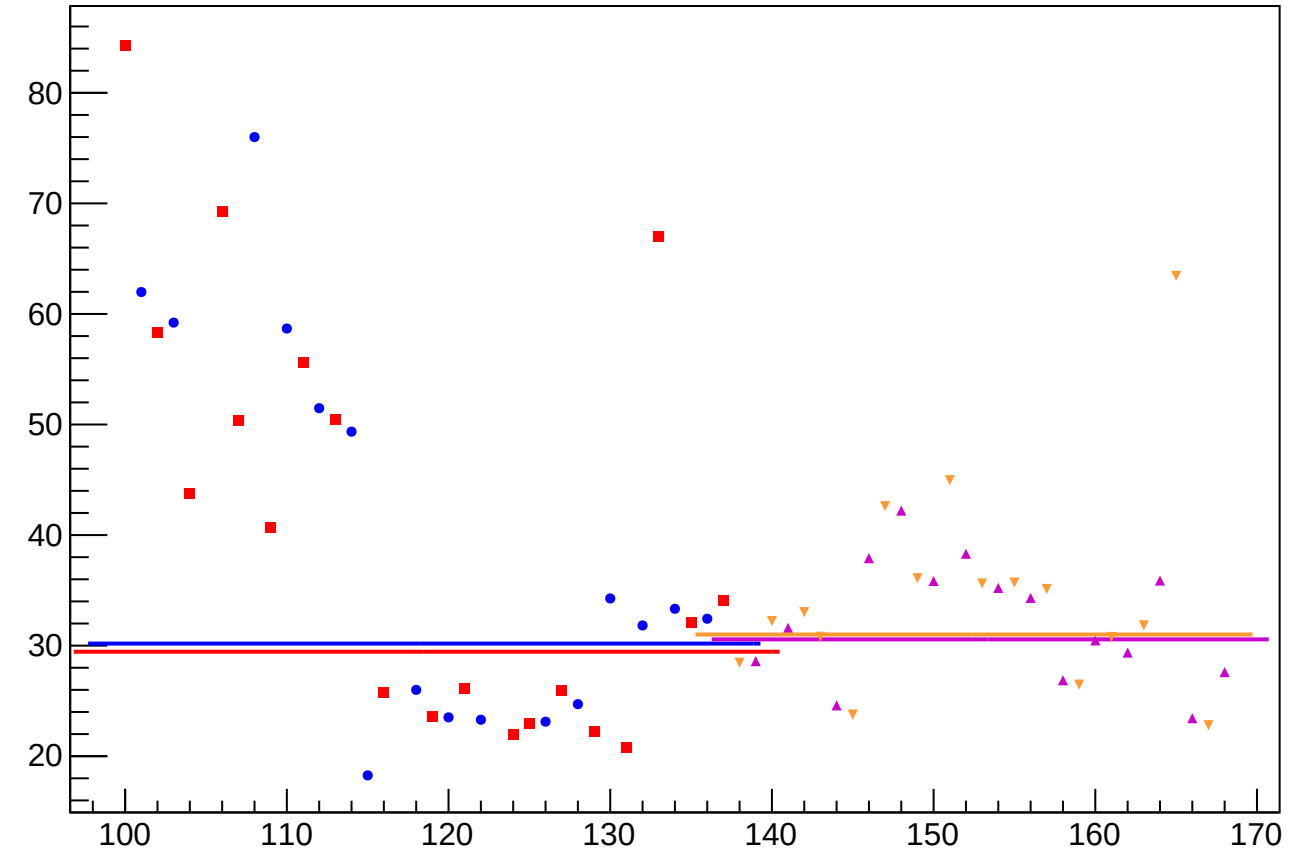
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.434+/-0.005 χ^2/NDF:2309675.7/30

Out: 30.434+/-0.005 χ^2/NDF:2969814.1/34

All: 30.434+/-0.004 χ^2/NDF: 5279489.9/65


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.027+/-0.009 χ²/NDF:24.4/15
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.001+/-0.009 χ²/NDF:13.4/14
Left: -0.013+/-0.006 χ²/NDF: 42.7/30
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.002+/-0.007 χ²/NDF:23.5/30
Out: -0.013+/-0.007 χ²/NDF:41.8/34
All: -0.006+/-0.005 χ²/NDF: 67.6/65



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.006+/-0.006 χ^2/NDF:1099291.6/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.566+/-0.006 χ^2/NDF:621059.6/14

Left: 30.785+/-0.005 χ^2/NDF: 1722746.8/30

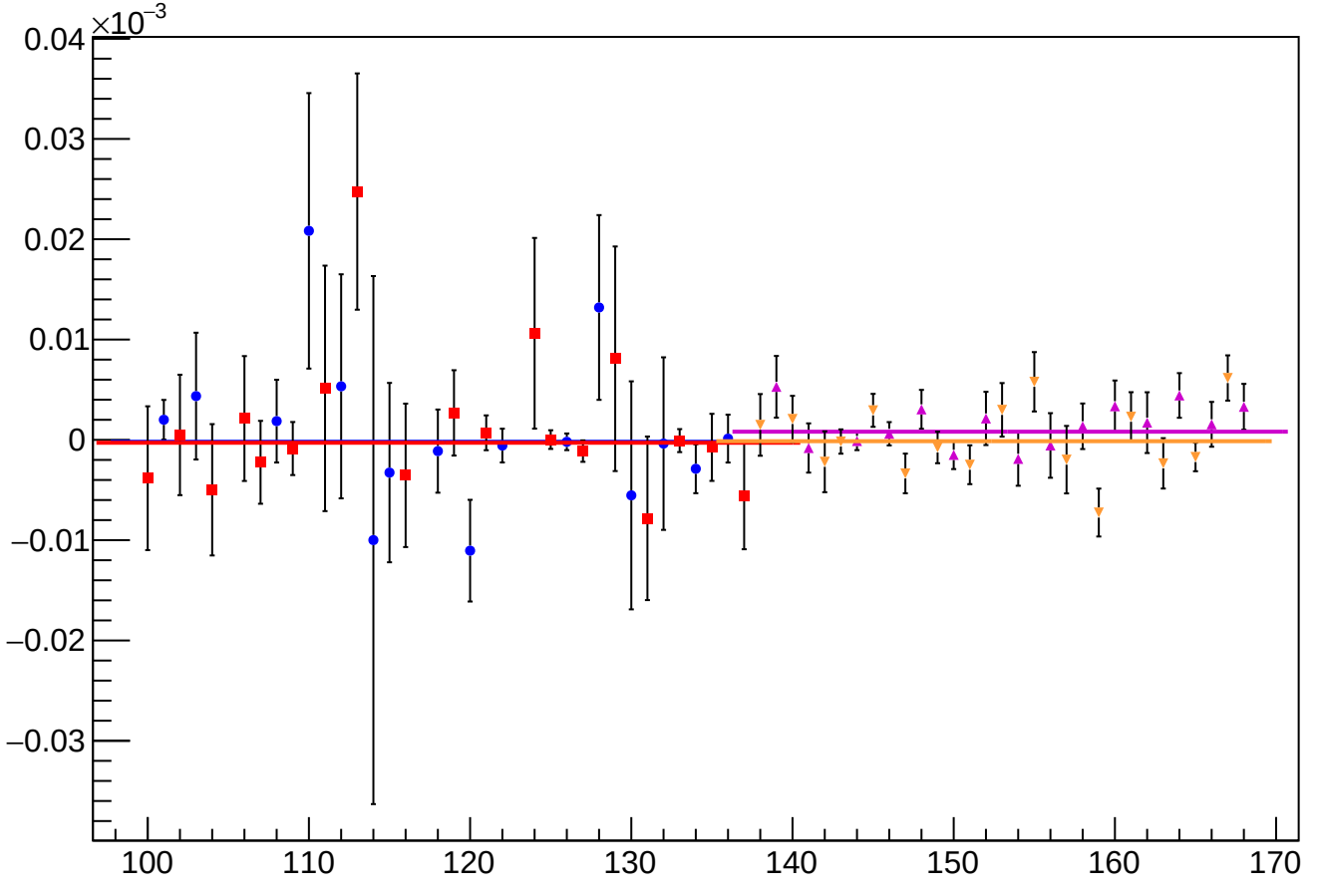
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.434+/-0.005 χ^2/NDF:2309675.7/30

Out: 30.434+/-0.005 χ^2/NDF:2969814.1/34

All: 30.434+/-0.004 χ^2/NDF: 5279489.9/65

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/14

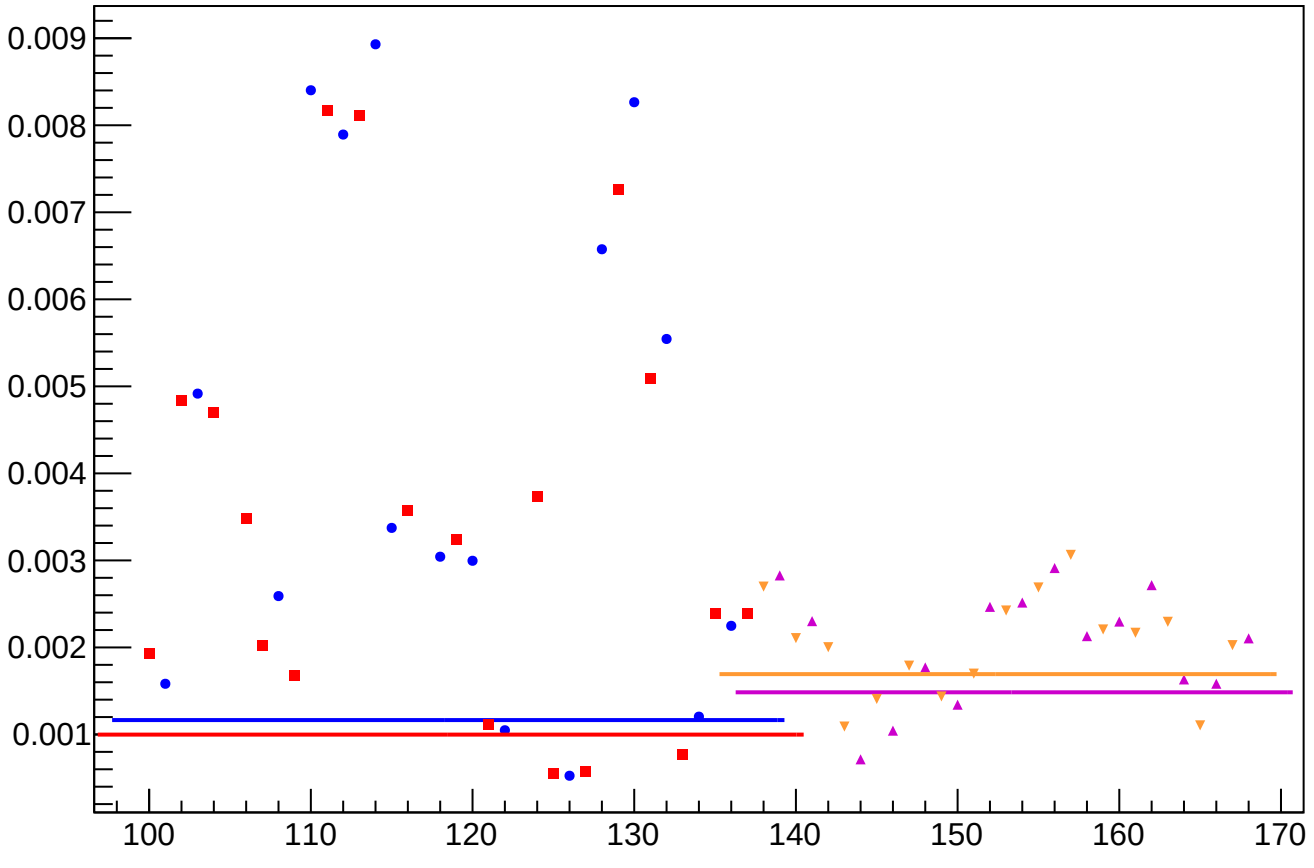
Left: 0.000+/-0.000 χ^2/NDF: 50.7/30

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:28.9/30

Out: -0.000+/-0.000 χ^2/NDF:46.3/34

All: 0.000+/-0.000 χ^2/NDF: 76.6/65



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2290046.6/15

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4200789.2/14

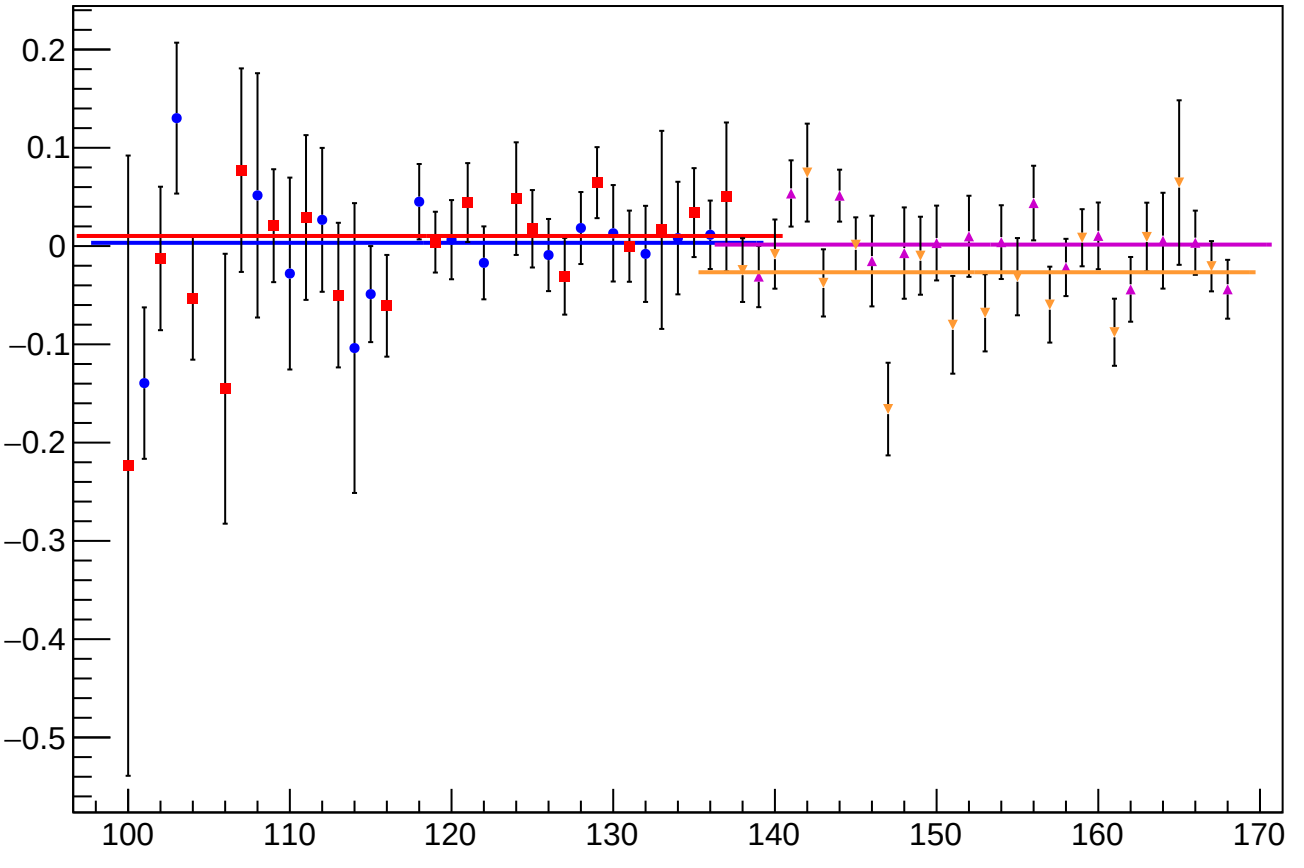
Left: 0.002+/-0.000 χ^2/NDF: 6671933.6/30

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11419497.1/30

Out: 0.001+/-0.000 χ^2/NDF:11056863.7/34

All: 0.001+/-0.000 χ^2/NDF: 22476738.6/65



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.009 χ^2/NDF:13.4/14

Left: -0.013+/-0.006 χ^2/NDF: 42.7/30

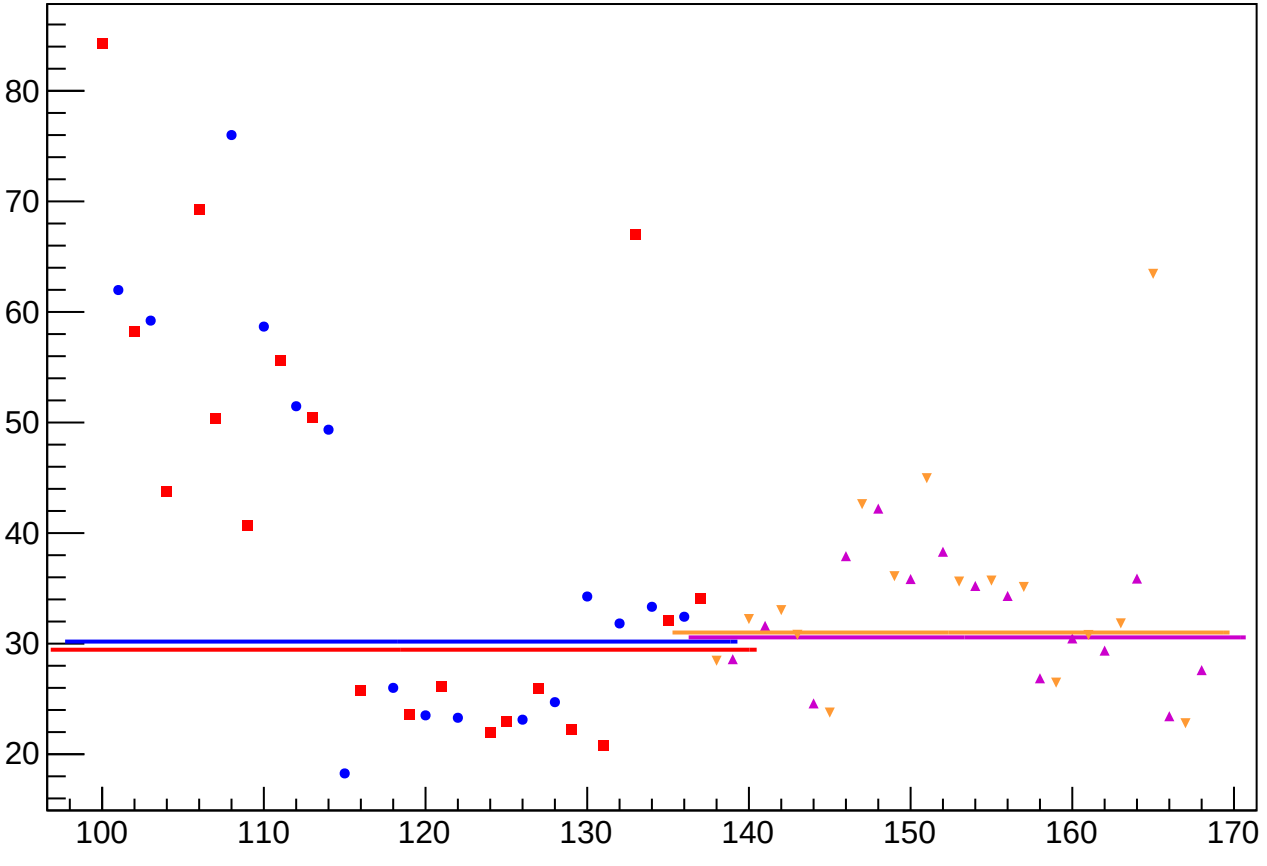
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.002+/-0.007 χ^2/NDF:23.5/30

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.006+/-0.005 χ^2/NDF: 67.6/65

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.566+/-0.006 χ^2/NDF:621085.3/14

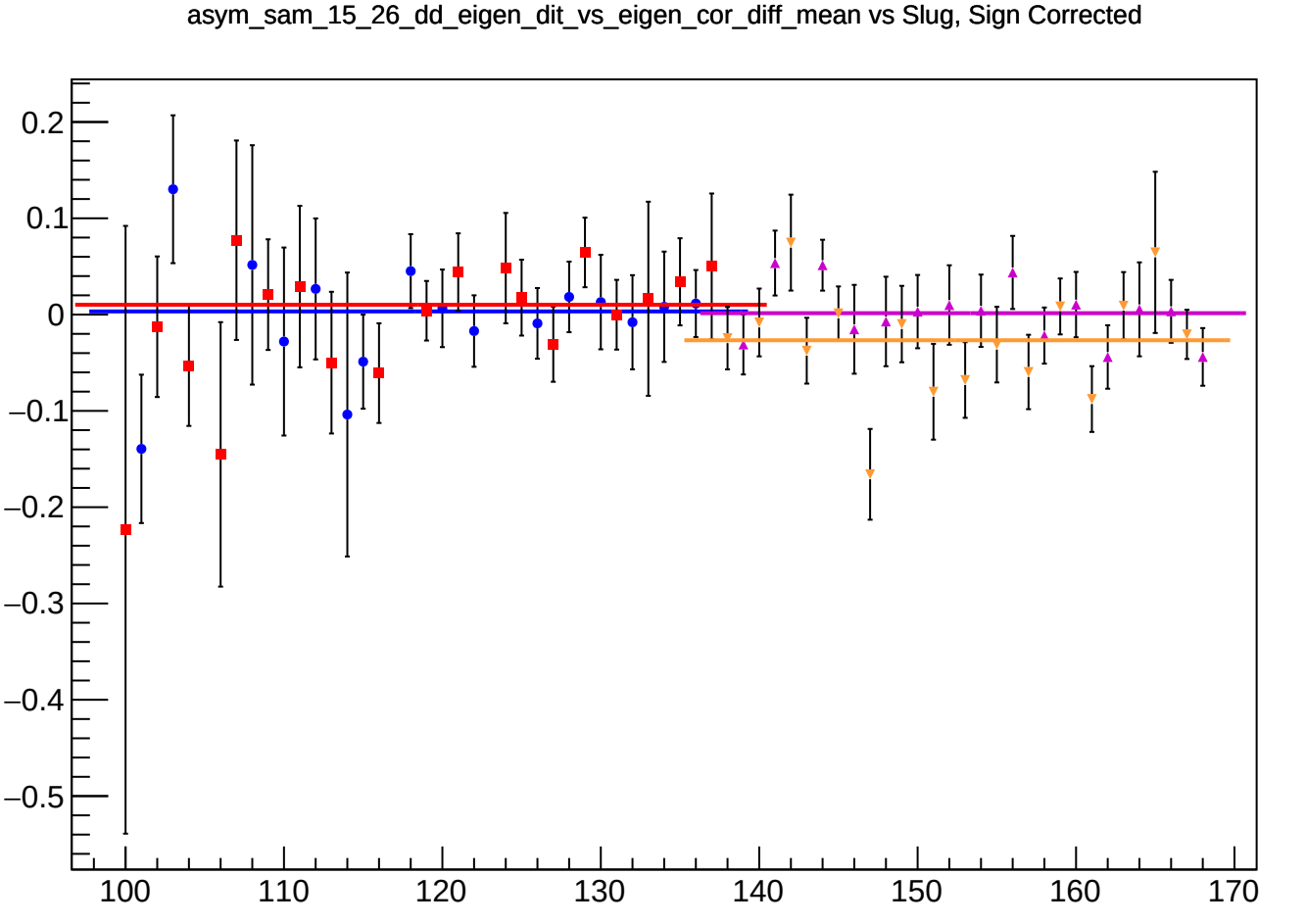
Left: 30.785+/-0.005 χ^2/NDF: 1722798.4/30

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.434+/-0.005 χ^2/NDF:2309516.6/30

Out: 30.434+/-0.005 χ^2/NDF:2969854.5/34

All: 30.434+/-0.004 χ^2/NDF: 5279371.1/65



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.009 χ^2/NDF:24.4/15

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.009 χ^2/NDF:13.4/14

Left: -0.013+/-0.006 χ^2/NDF: 42.7/30

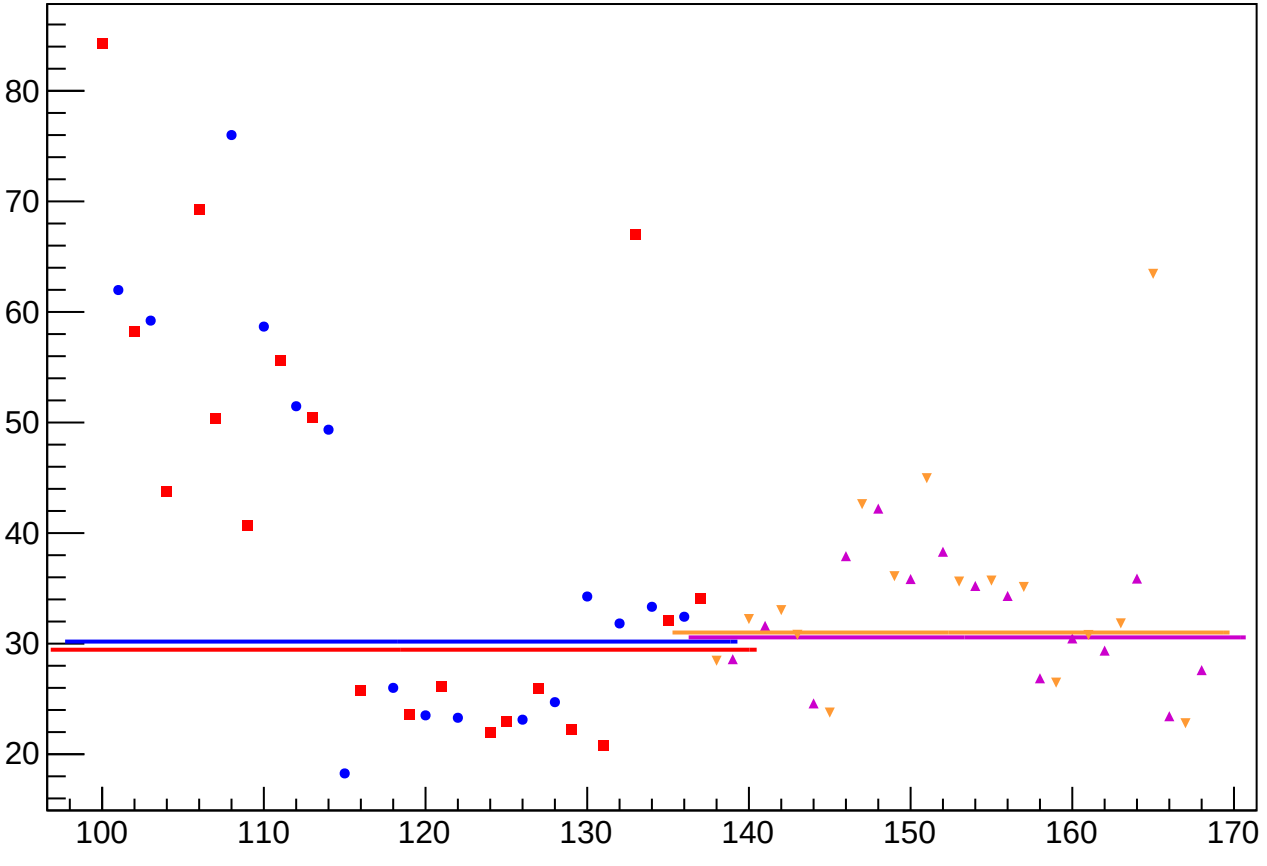
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.002+/-0.007 χ^2/NDF:23.5/30

Out: -0.013+/-0.007 χ^2/NDF:41.8/34

All: -0.006+/-0.005 χ^2/NDF: 67.6/65

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.007+/-0.006 χ^2/NDF:1099317.9/15

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.566+/-0.006 χ^2/NDF:621085.3/14

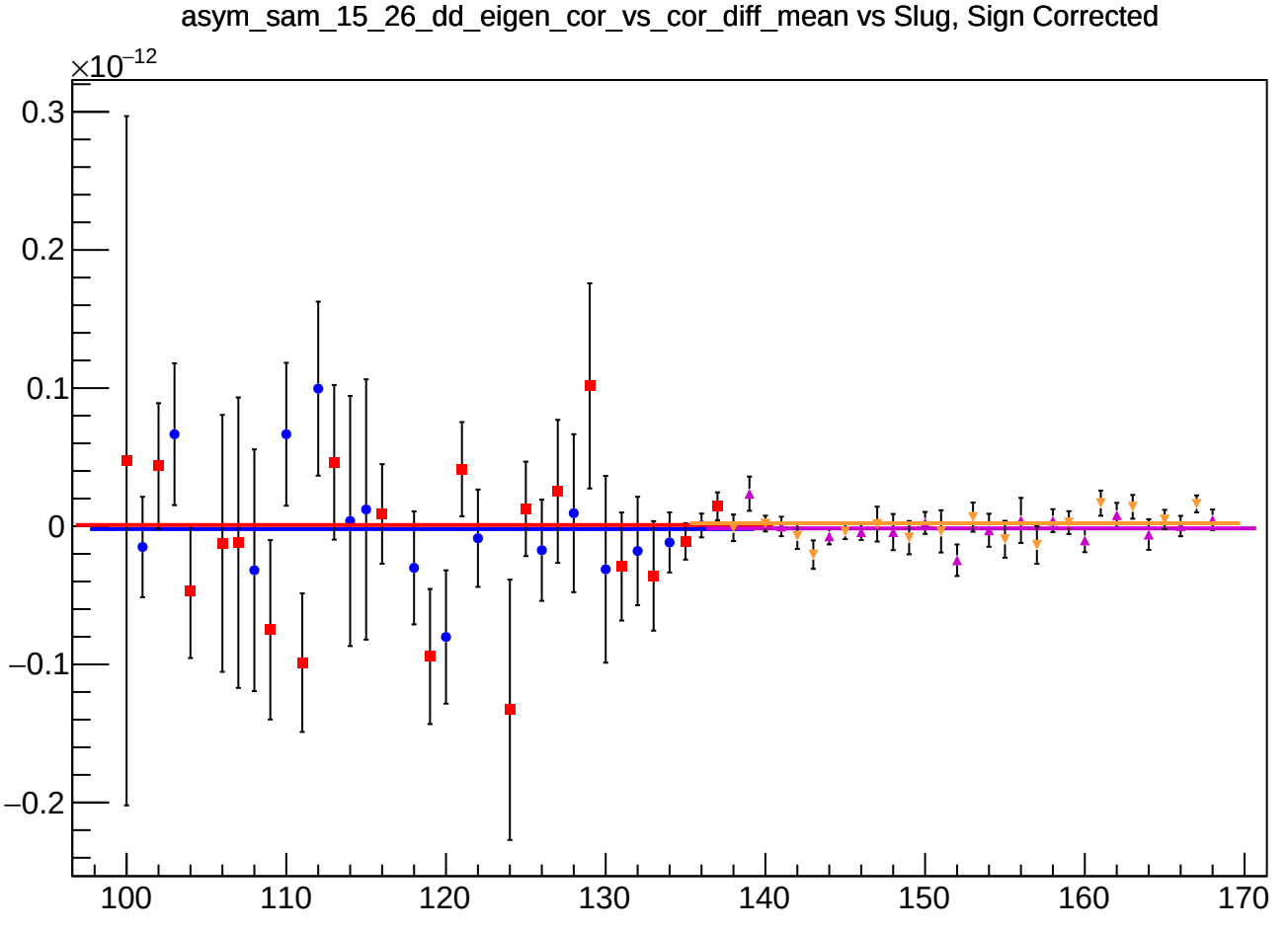
Left: 30.785+/-0.005 χ^2/NDF: 1722798.4/30

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.434+/-0.005 χ^2/NDF:2309516.6/30

Out: 30.434+/-0.005 χ^2/NDF:2969854.5/34

All: 30.434+/-0.004 χ^2/NDF: 5279371.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/14

Left: 0.000+/-0.000 χ^2/NDF: 34.9/30

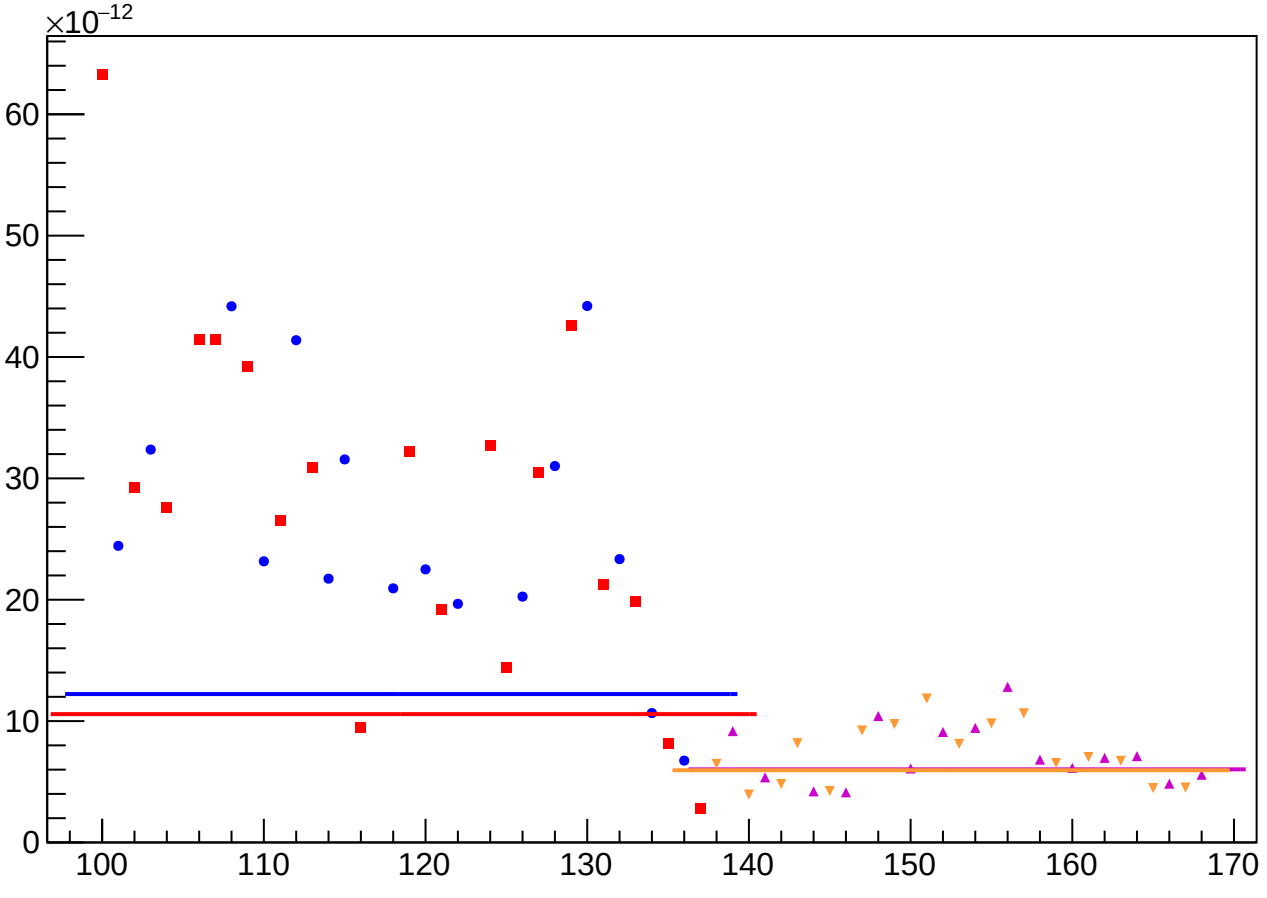
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.8/30

Out: 0.000+/-0.000 χ^2/NDF:41.5/34

All: 0.000+/-0.000 χ^2/NDF: 66.9/65

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1940301.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1562426.0/14

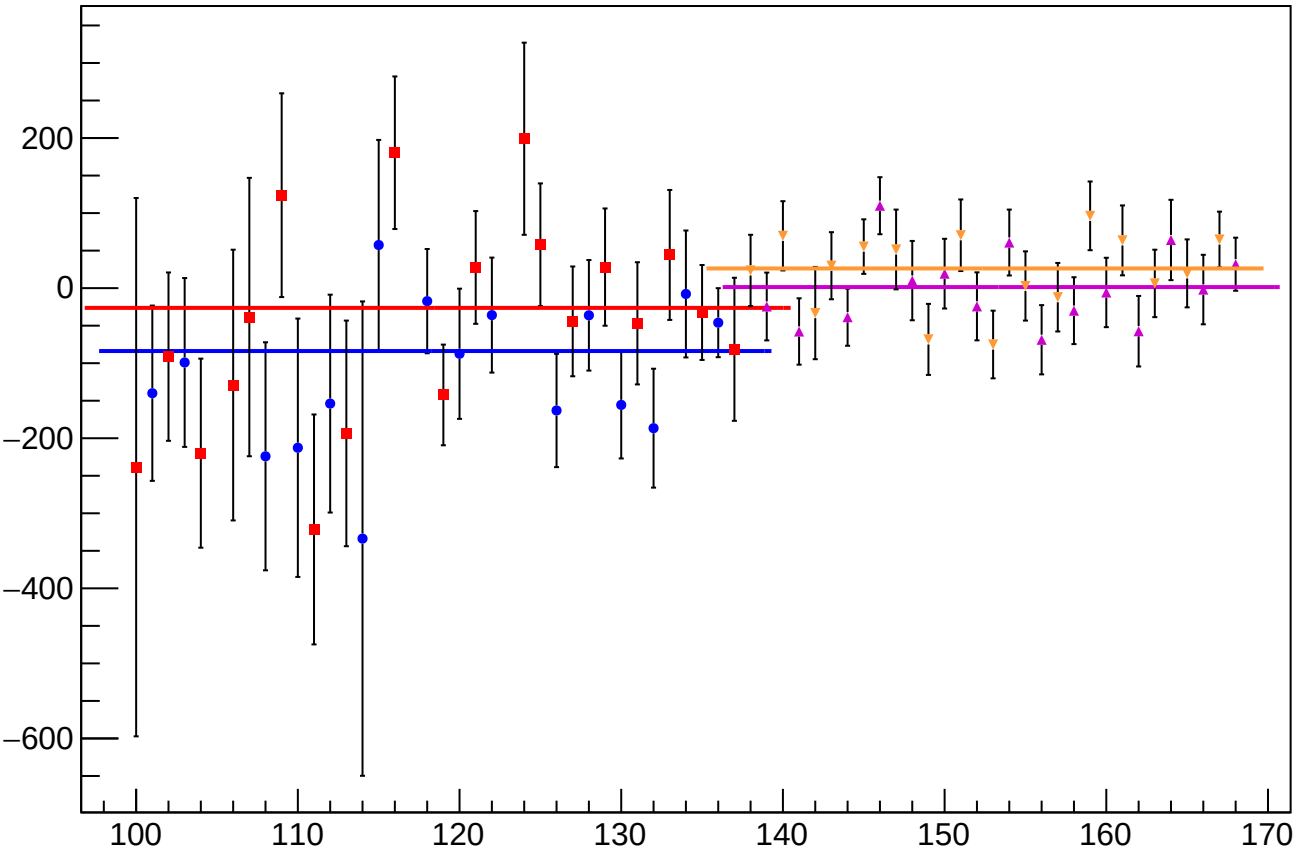
Left: 0.000+/-0.000 χ^2/NDF: 3503889.2/30

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6503500.8/30

Out: 0.000+/-0.000 χ^2/NDF:7584529.8/34

All: 0.000+/-0.000 χ^2/NDF: 14098818.0/65



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.224+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 1.431+/-11.382 χ^2/NDF:20.2/14

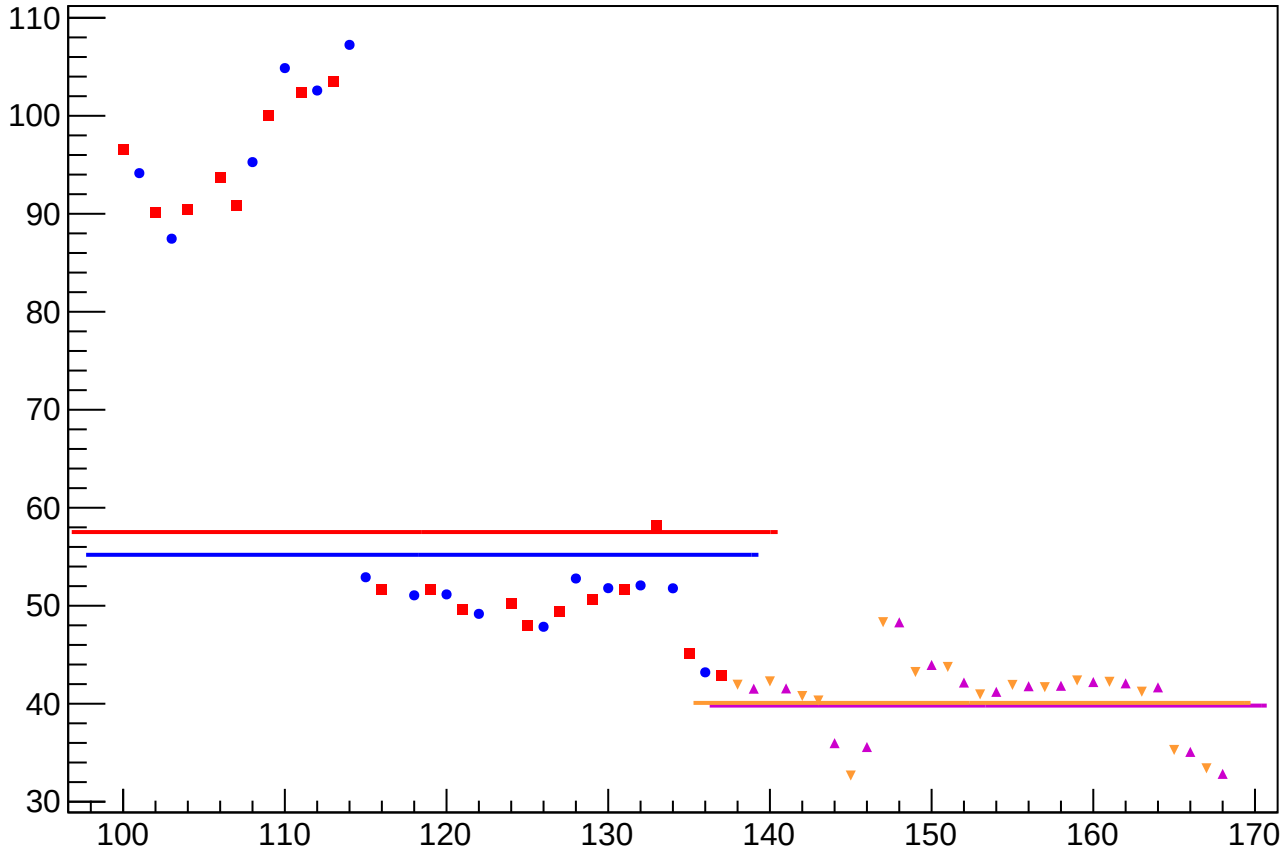
Left: 13.864+/-8.037 χ^2/NDF: 40.4/30

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -17.317+/-10.053 χ^2/NDF:43.1/30

Out: 15.237+/-10.092 χ^2/NDF:45.3/34

All: -1.104+/-7.122 χ^2/NDF: 93.6/65



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

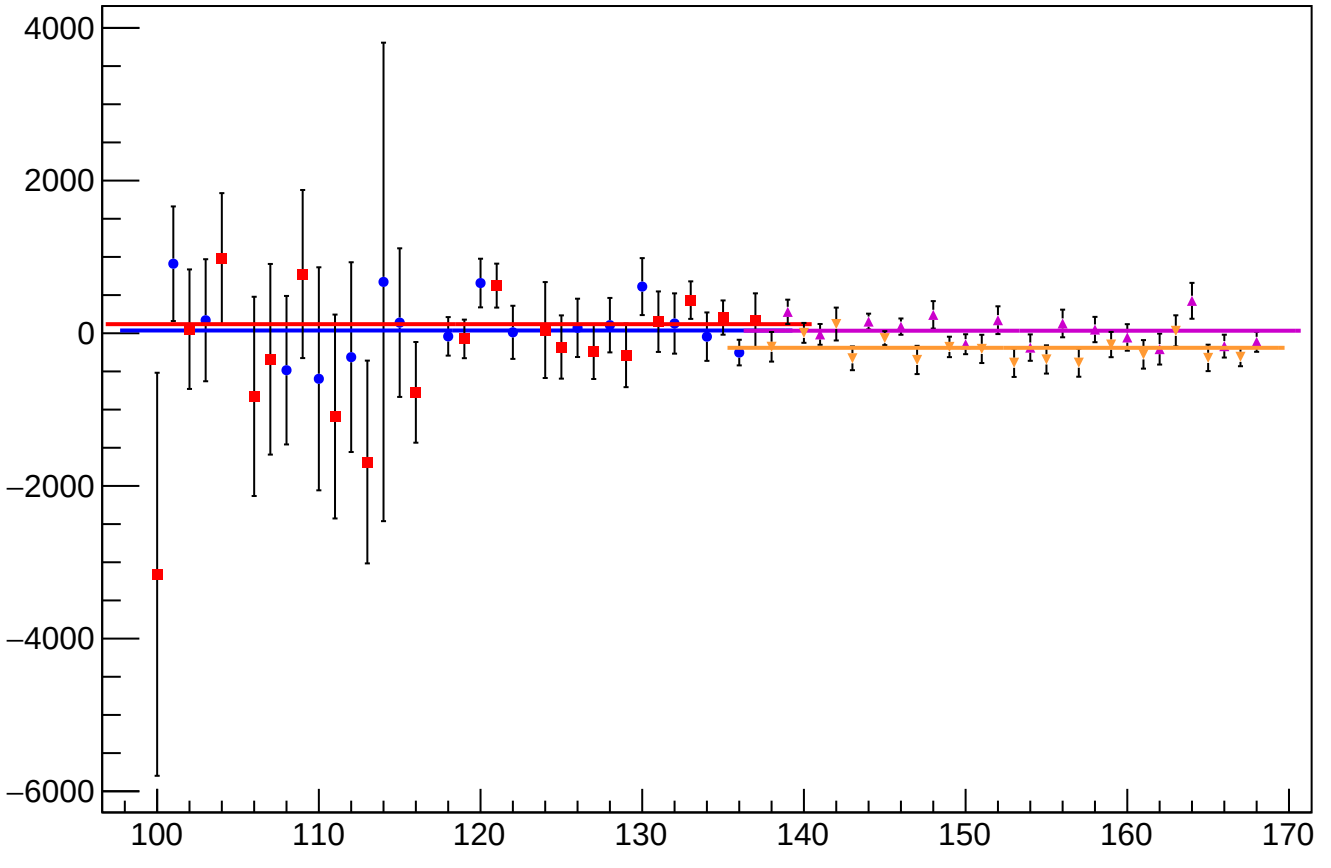
Left: 39.947+/-0.006 χ^2/NDF: 509423.3/30

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 43.194+/-0.007 χ^2/NDF:2201550.9/30

Out: 43.731+/-0.007 χ^2/NDF:2533149.2/34

All: 43.461+/-0.005 χ^2/NDF: 4737540.0/65



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.621+/-38.991 χ^2/NDF:13.7/15

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 33.271+/-38.540 χ^2/NDF:17.3/14

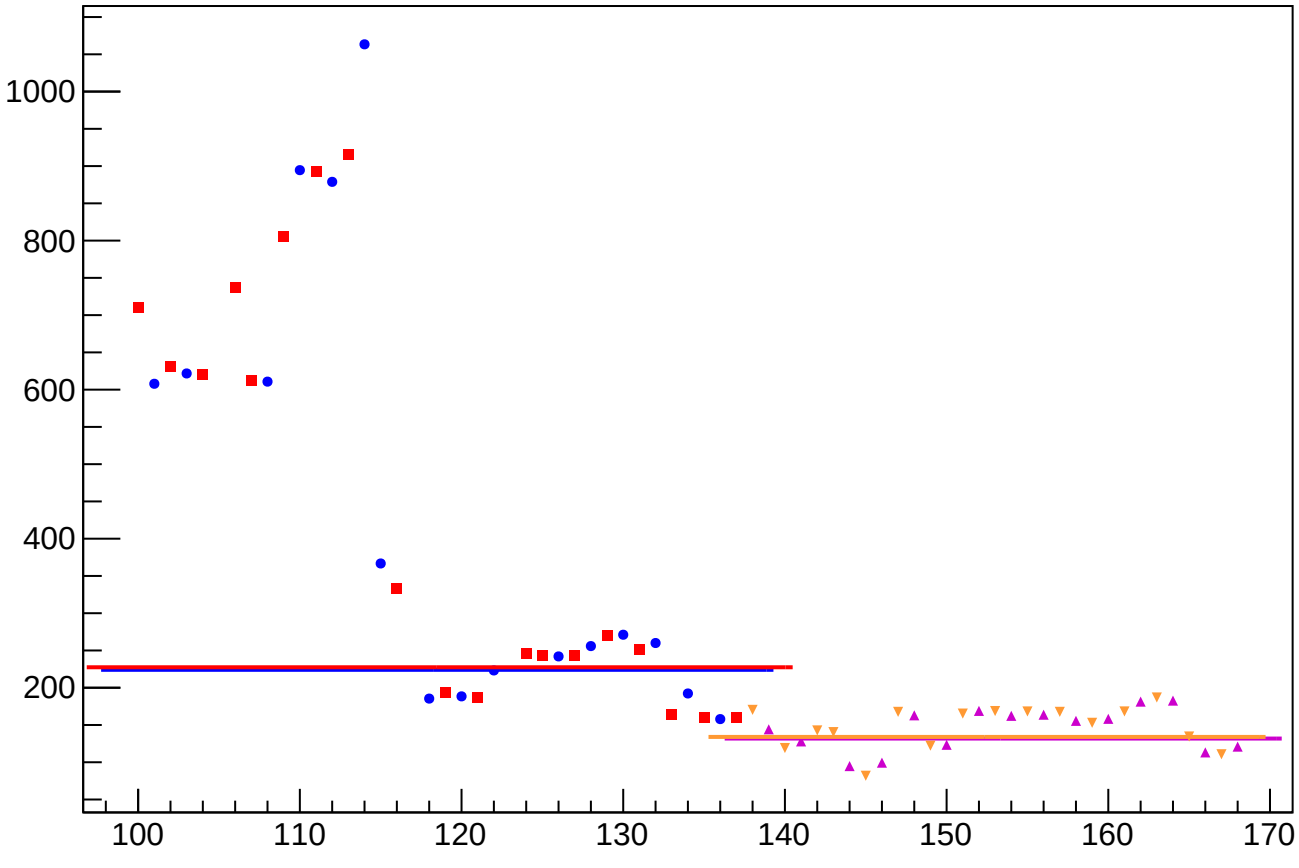
Left: -77.373+/-27.410 χ^2/NDF: 47.6/30

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 33.714+/-35.635 χ^2/NDF:28.7/30

Out: -146.624+/-36.116 χ^2/NDF:38.6/34

All: -55.246+/-25.366 χ^2/NDF: 80.0/65



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392727.2/15

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 131.792+/-0.027 χ^2/NDF:1073782.1/14

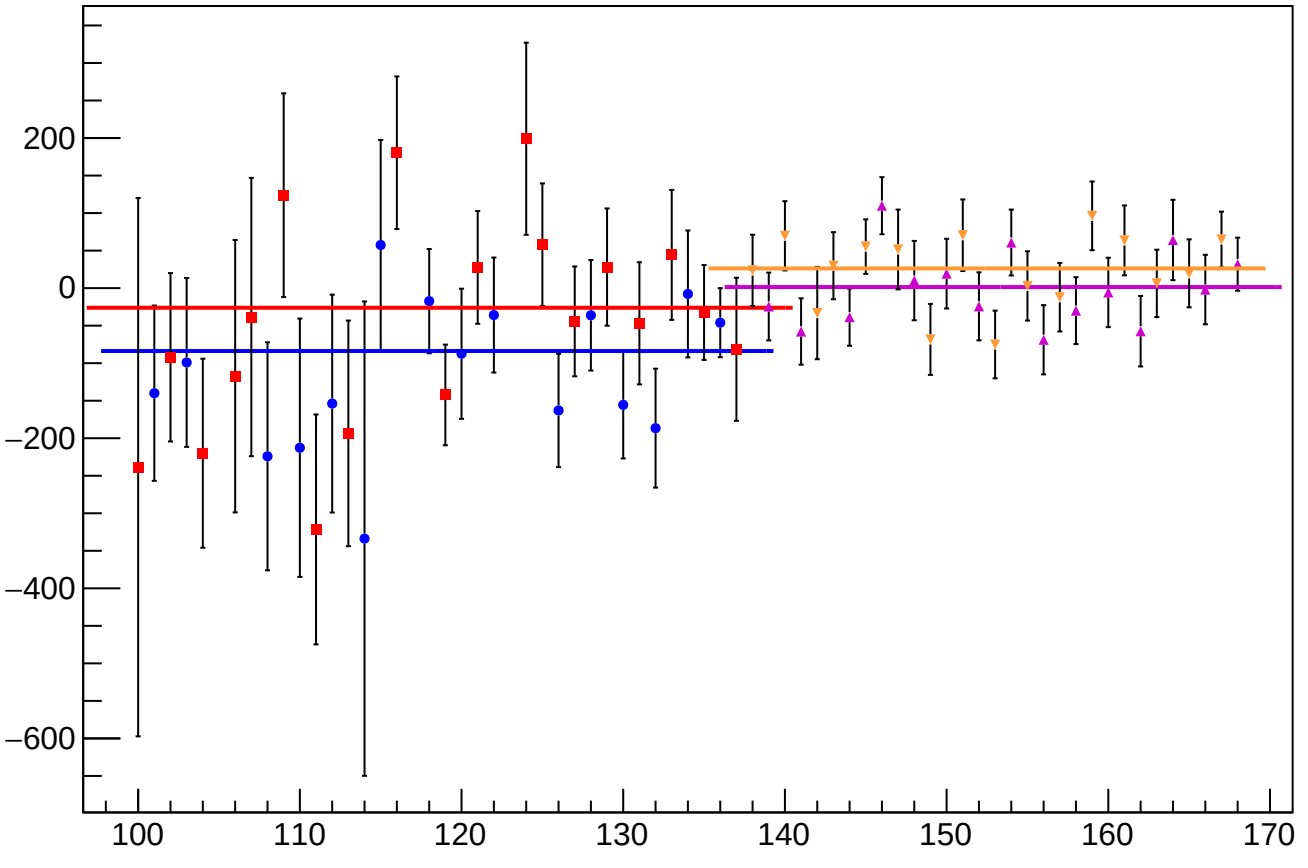
Left: 132.877+/-0.019 χ^2/NDF: 2469721.2/30

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 145.173+/-0.025 χ^2/NDF:5704064.7/30

Out: 147.263+/-0.026 χ^2/NDF:6665443.1/34

All: 146.204+/-0.018 χ^2/NDF: 12372898.7/65



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 1.431+/-11.382 χ^2/NDF:20.2/14

Left: 13.864+/-8.037 χ^2/NDF: 40.4/30

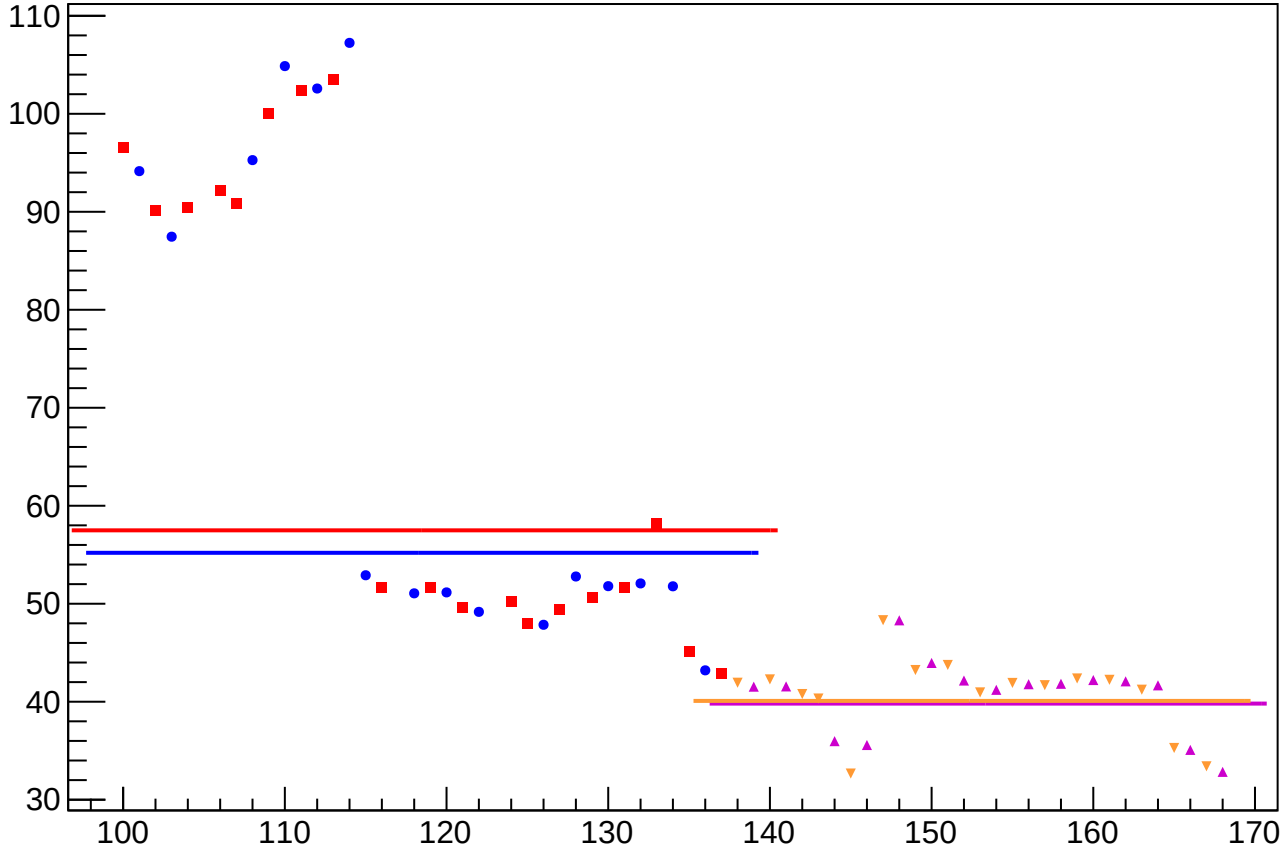
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -17.317+/-10.053 χ^2/NDF:43.1/30

Out: 15.273+/-10.093 χ^2/NDF:45.2/34

All: -1.087+/-7.122 χ^2/NDF: 93.5/65

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

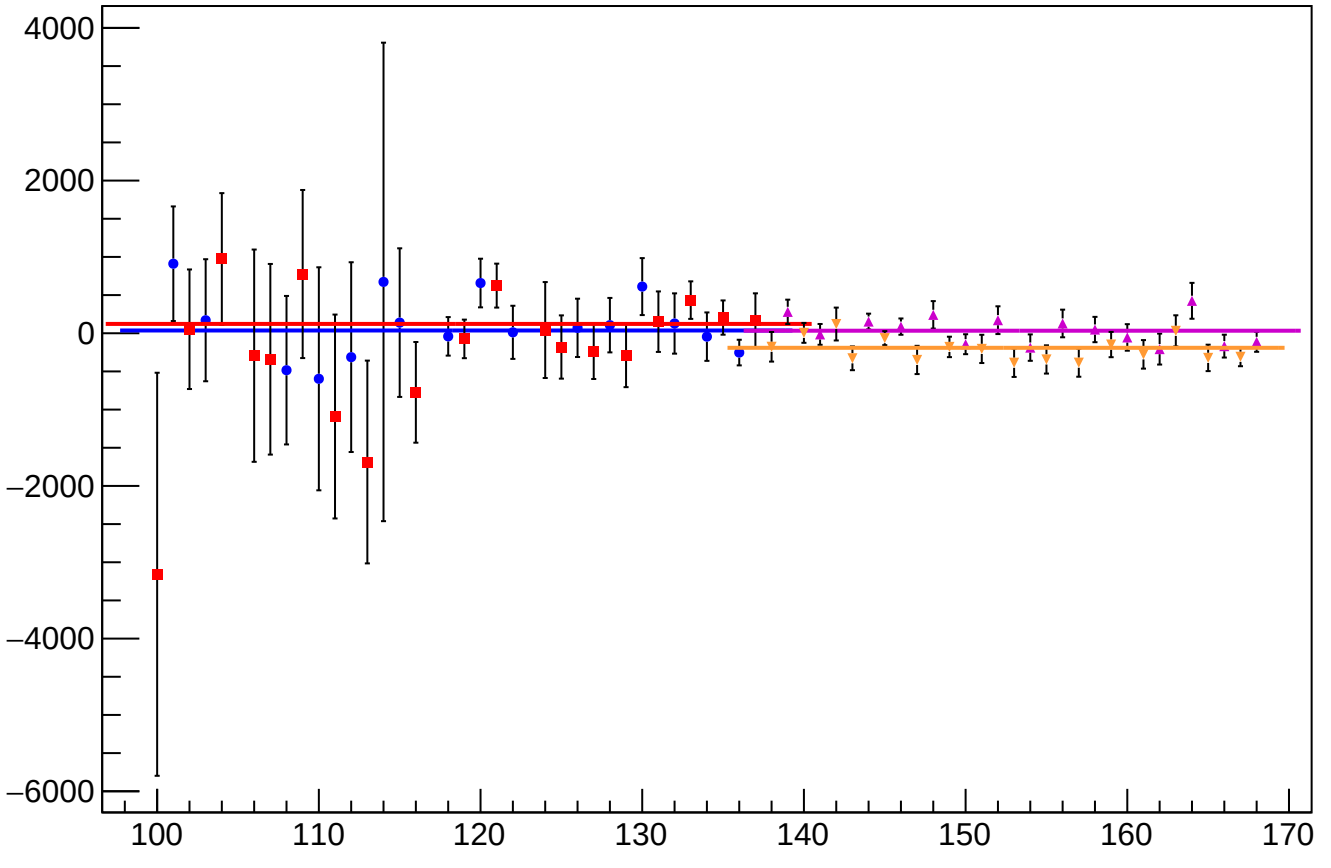
Left: 39.947+/-0.006 χ^2/NDF: 509423.3/30

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 43.194+/-0.007 χ^2/NDF:2201551.1/30

Out: 43.724+/-0.007 χ^2/NDF:2522326.5/34

All: 43.458+/-0.005 χ^2/NDF: 4726648.1/65



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 33.272+/-38.540 χ^2/NDF:17.3/14

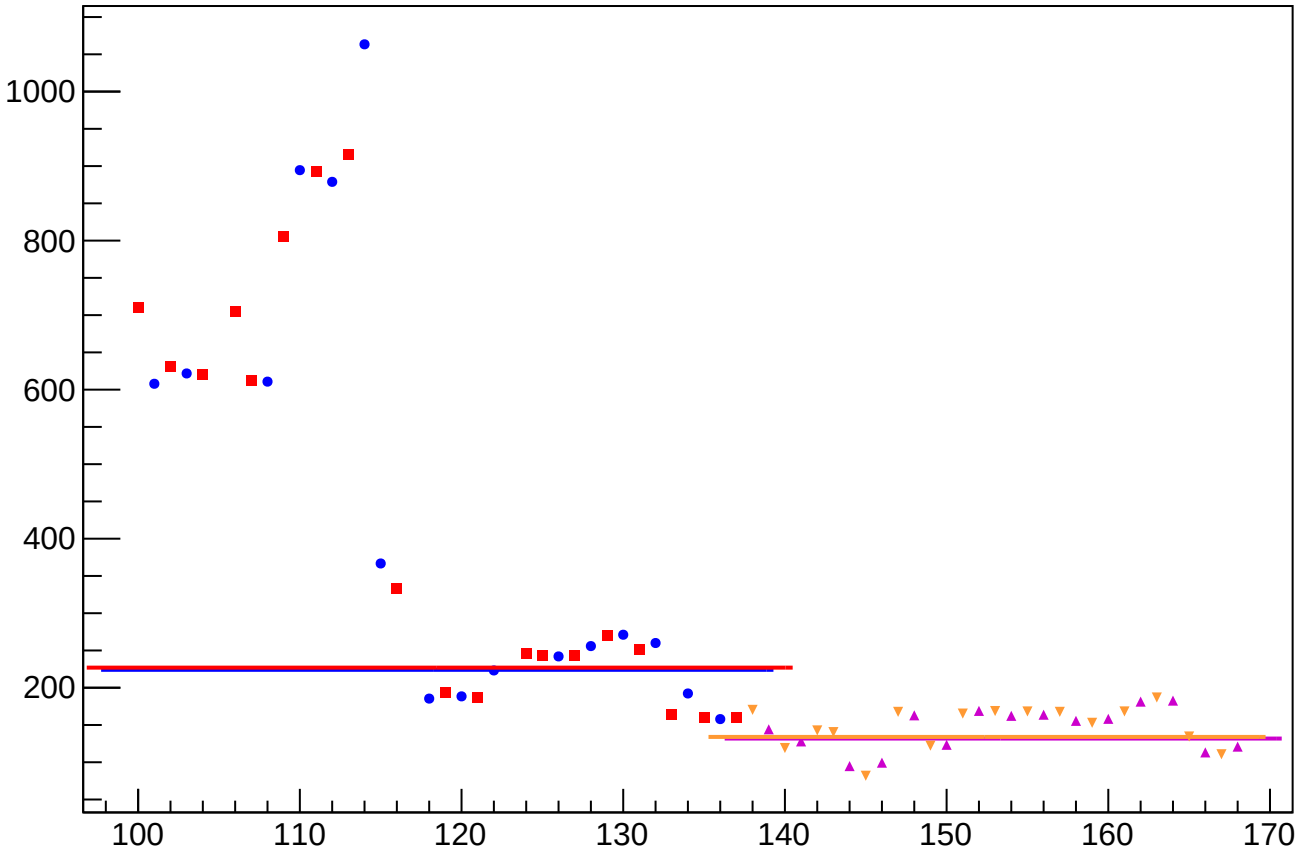
Left: -77.373+/-27.410 χ^2/NDF: 47.6/30

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 33.715+/-35.635 χ^2/NDF:28.7/30

Out: -146.206+/-36.117 χ^2/NDF:38.4/34

All: -55.036+/-25.367 χ^2/NDF: 79.7/65



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 131.792+/-0.027 χ^2/NDF:1073783.4/14

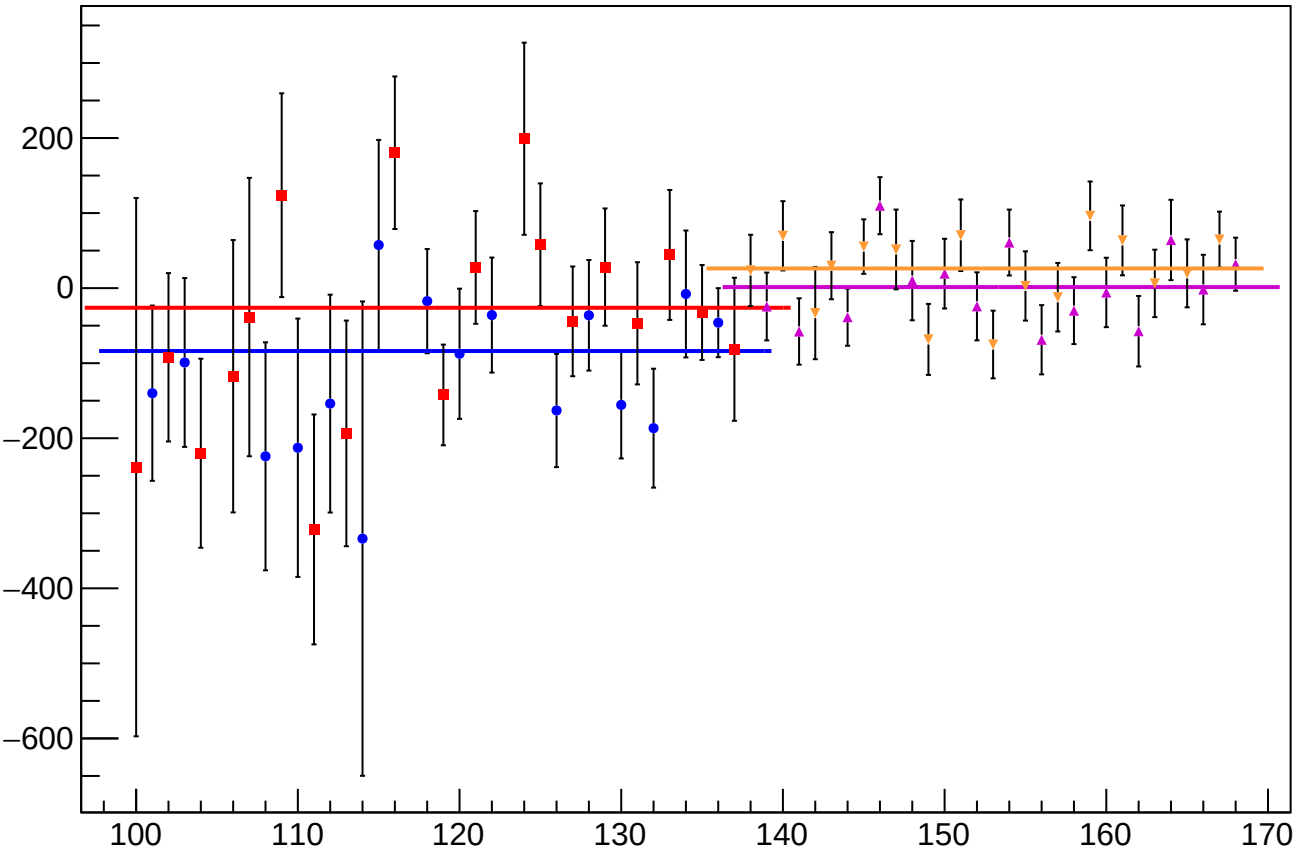
Left: 132.878+/-0.019 χ^2/NDF: 2469725.5/30

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.173+/-0.025 χ^2/NDF:5704073.2/30

Out: 147.187+/-0.026 χ^2/NDF:6579138.4/34

All: 146.167+/-0.018 χ^2/NDF: 12286361.3/65



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 26.226+/-11.349 χ^2/NDF:17.9/15

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 1.431+/-11.382 χ^2/NDF:20.2/14

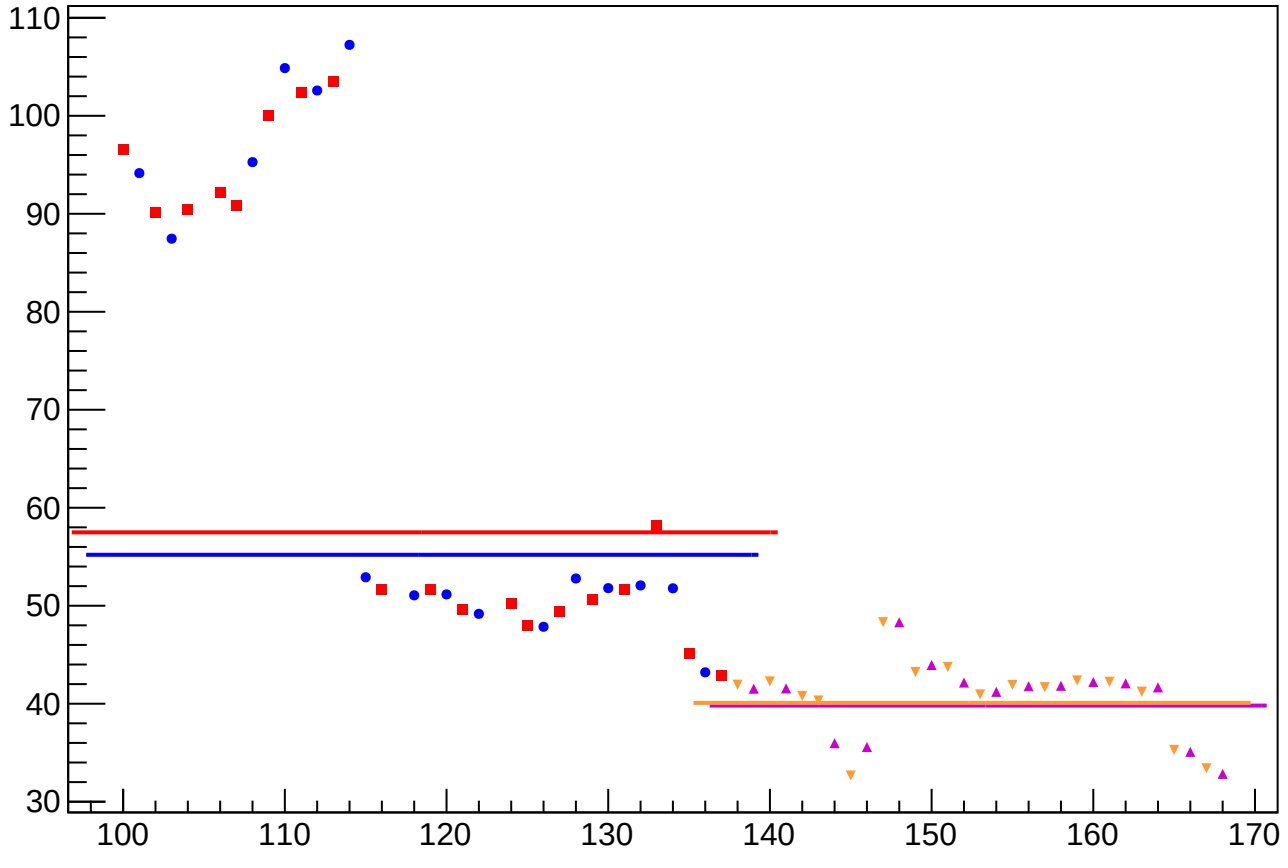
Left: 13.864+/-8.037 χ^2/NDF: 40.4/30

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -17.317+/-10.053 χ^2/NDF:43.1/30

Out: 15.273+/-10.093 χ^2/NDF:45.2/34

All: -1.087+/-7.122 χ^2/NDF: 93.5/65



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.084+/-0.008 χ^2/NDF:263965.1/15

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.809+/-0.008 χ^2/NDF:244875.2/14

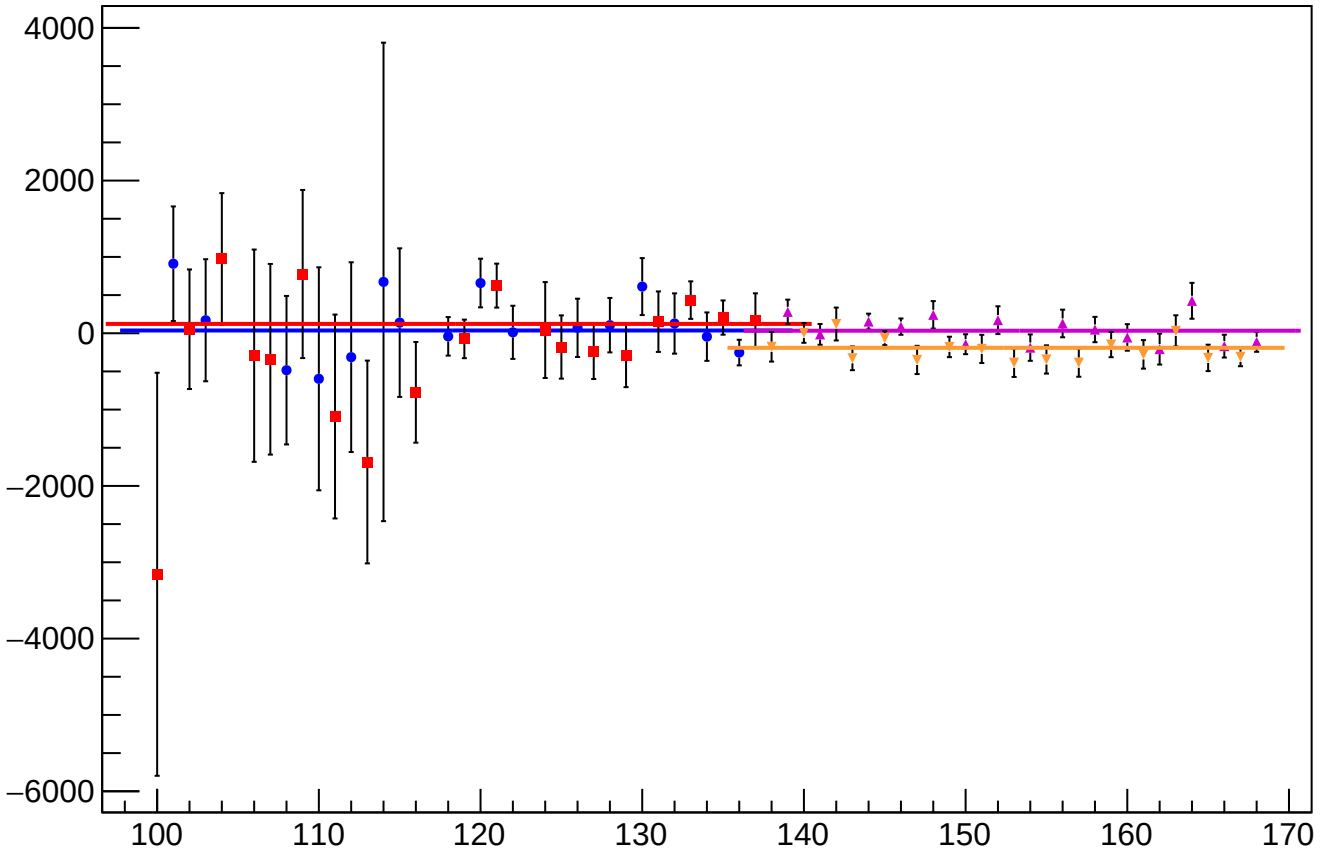
Left: 39.947+/-0.006 χ^2/NDF: 509423.3/30

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 43.194+/-0.007 χ^2/NDF:2201551.1/30

Out: 43.724+/-0.007 χ^2/NDF:2522326.5/34

All: 43.458+/-0.005 χ^2/NDF: 4726648.1/65



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -190.622+/-38.991 χ^2/NDF:13.7/15

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 33.272+/-38.540 χ^2/NDF:17.3/14

Left: -77.373+/-27.410 χ^2/NDF: 47.6/30

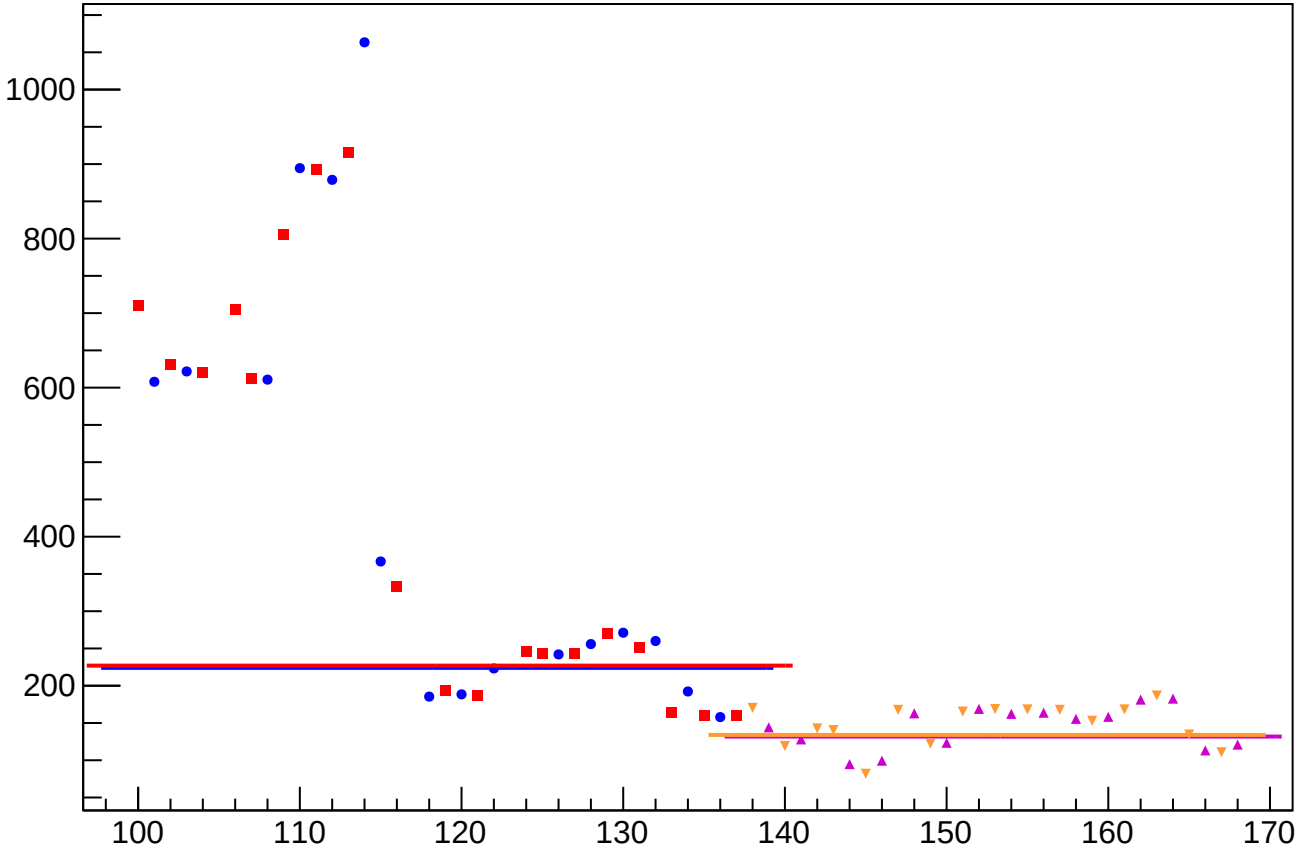
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 33.715+/-35.635 χ^2/NDF:28.7/30

Out: -146.206+/-36.117 χ^2/NDF:38.4/34

All: -55.036+/-25.367 χ^2/NDF: 79.7/65

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 133.989+/-0.028 χ^2/NDF:1392730.3/15

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 131.792+/-0.027 χ^2/NDF:1073783.4/14

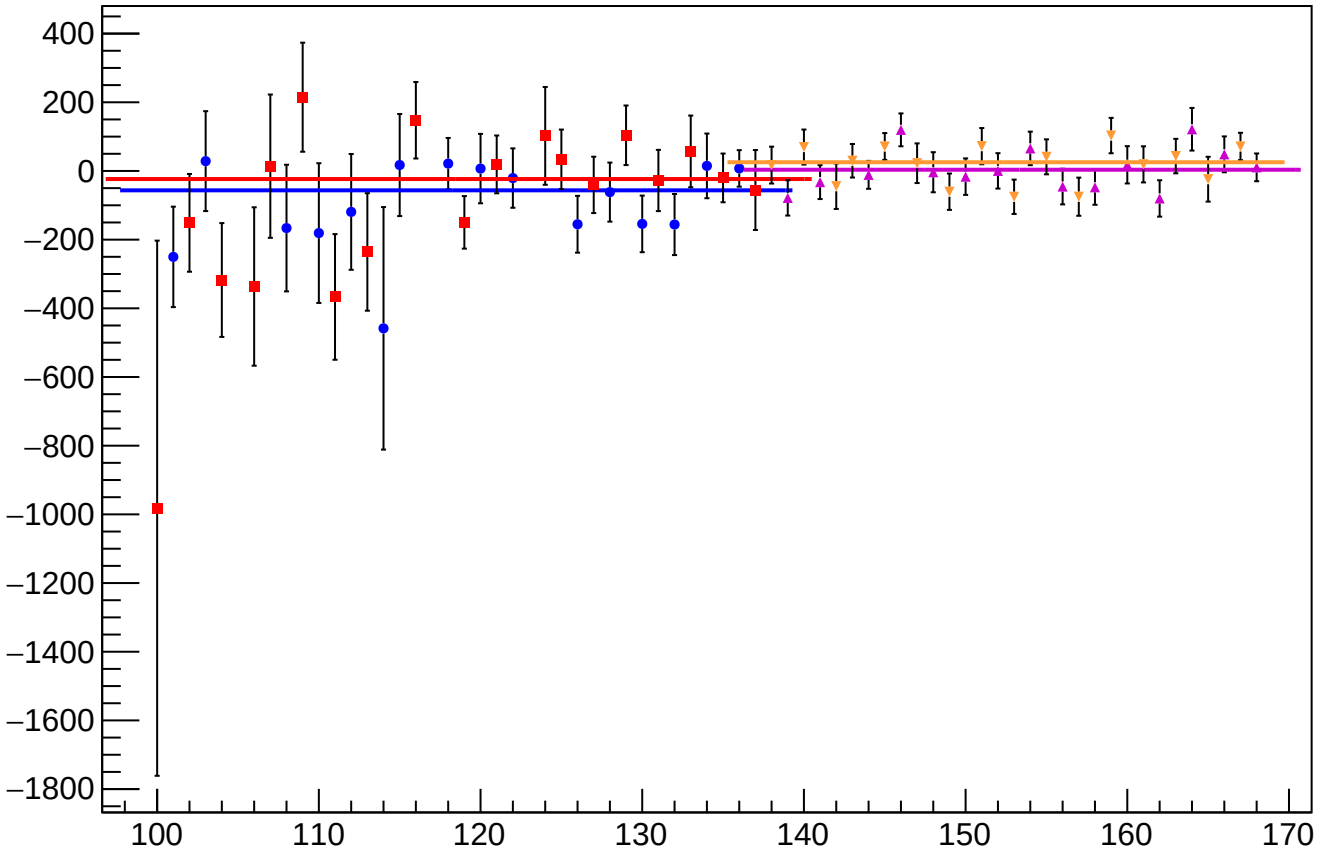
Left: 132.878+/-0.019 χ^2/NDF: 2469725.5/30

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.173+/-0.025 χ^2/NDF:5704073.2/30

Out: 147.187+/-0.026 χ^2/NDF:6579138.4/34

All: 146.167+/-0.018 χ^2/NDF: 12286361.3/65



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.397+/-12.743 χ^2/NDF:18.4/15

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 3.565+/-12.947 χ^2/NDF:19.7/14

Left: 14.655+/-9.082 χ^2/NDF: 39.6/30

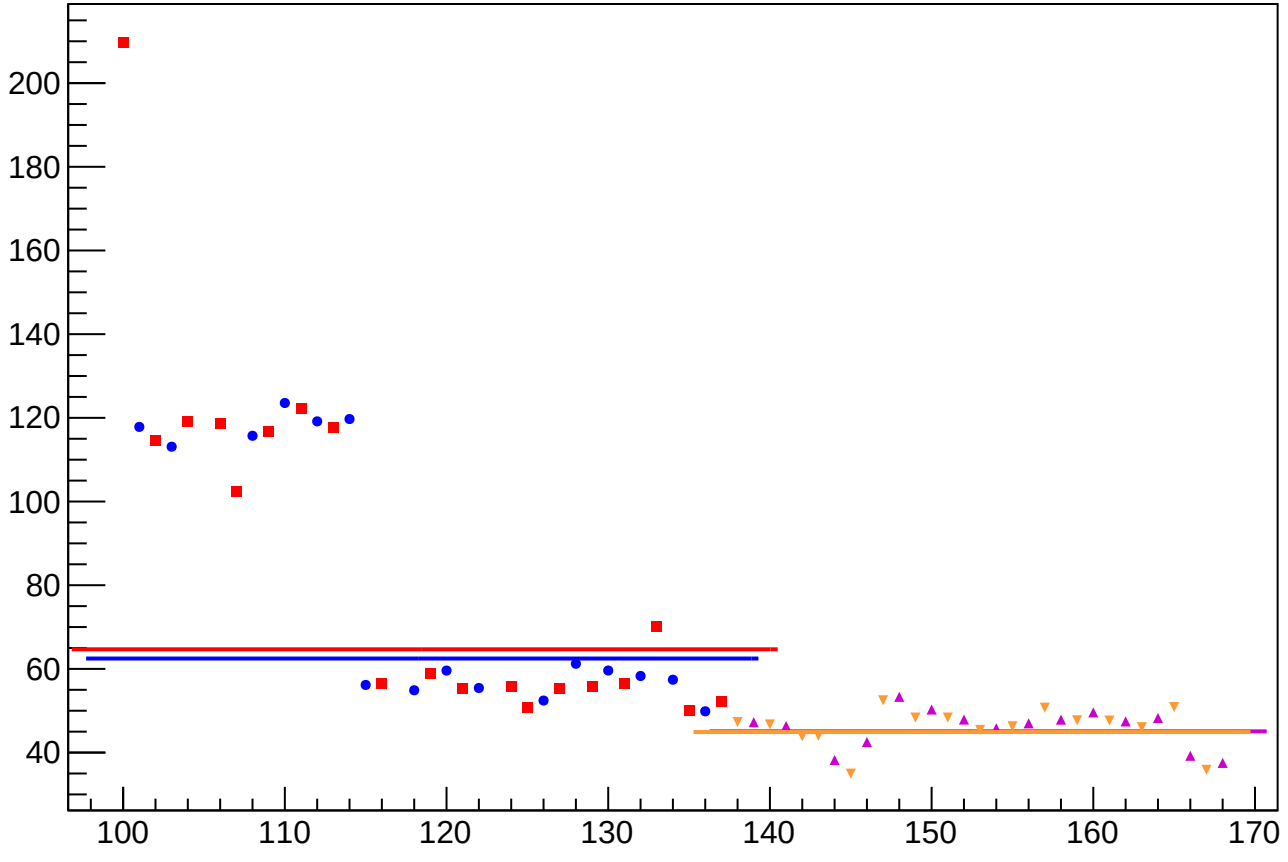
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -9.537+/-11.446 χ^2/NDF:36.7/30

Out: 15.416+/-11.368 χ^2/NDF:45.5/34

All: 3.025+/-8.066 χ^2/NDF: 84.6/65

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: 44.907+/-0.009 χ^2/NDF:344086.8/15

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.072+/-0.009 χ^2/NDF:259943.4/14

Left: 44.988+/-0.006 χ^2/NDF: 604195.7/30

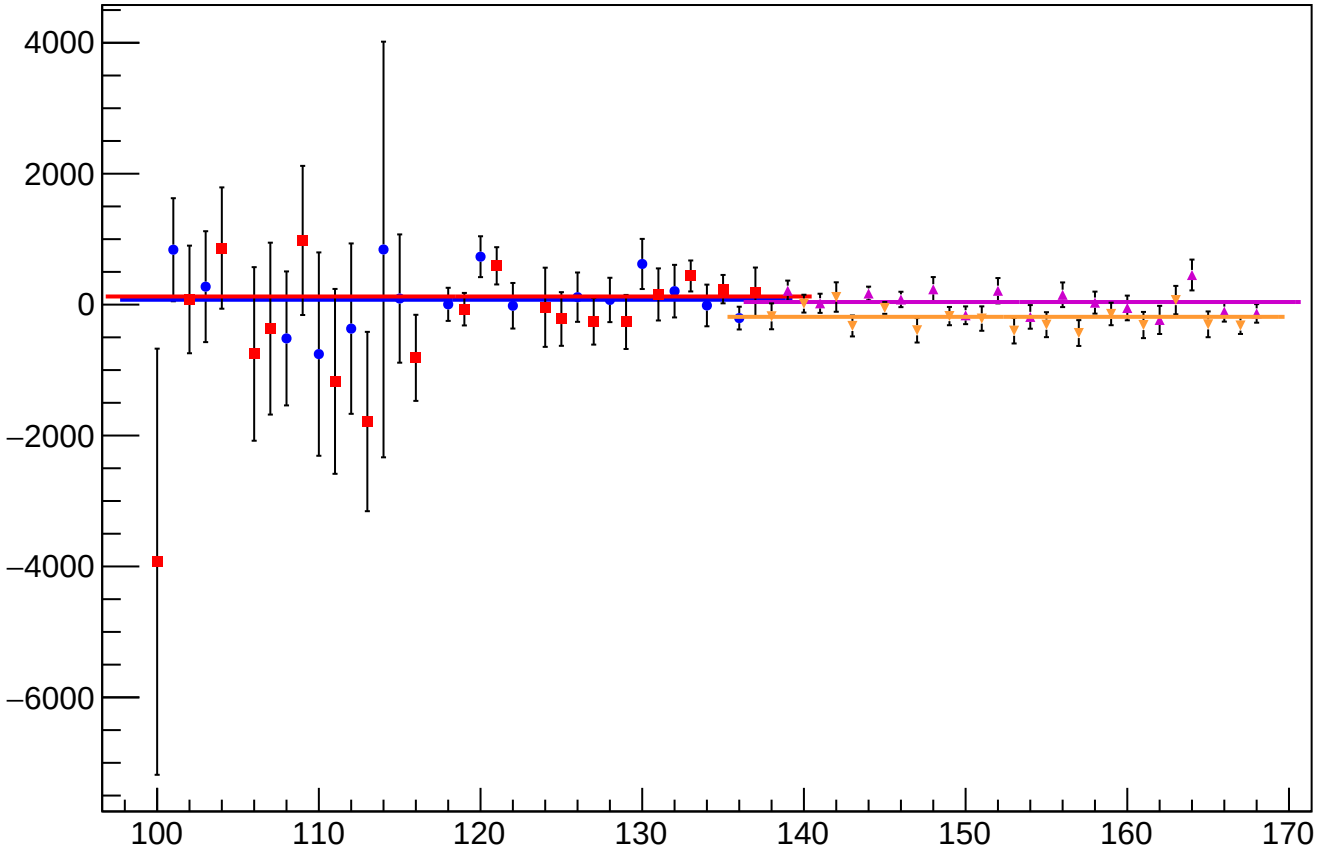
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 48.874+/-0.008 χ^2/NDF:2397467.4/30

Out: 48.944+/-0.008 χ^2/NDF:2917599.4/34

All: 48.909+/-0.006 χ^2/NDF: 5315104.5/65

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: -186.676+/-40.303 χ^2/NDF:14.7/15

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 39.760+/-40.253 χ^2/NDF:16.3/14

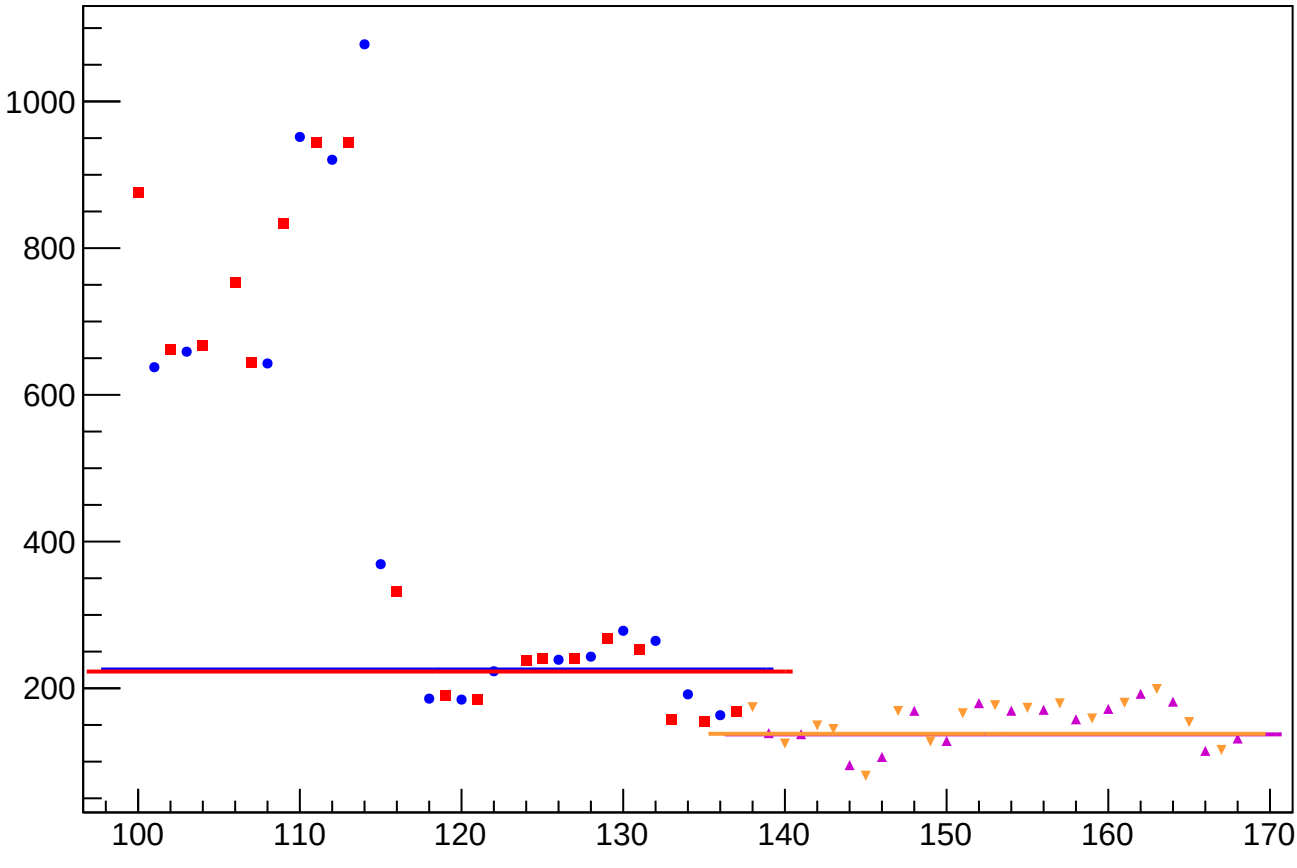
Left: -73.316+/-28.481 χ^2/NDF: 46.8/30

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 45.064+/-37.032 χ^2/NDF:27.7/30

Out: -138.974+/-37.082 χ^2/NDF:40.1/34

All: -46.832+/-26.203 χ^2/NDF: 80.1/65



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 137.954+/-0.028 χ^2/NDF:1597809.0/15

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 137.168+/-0.028 χ^2/NDF:1098035.0/14

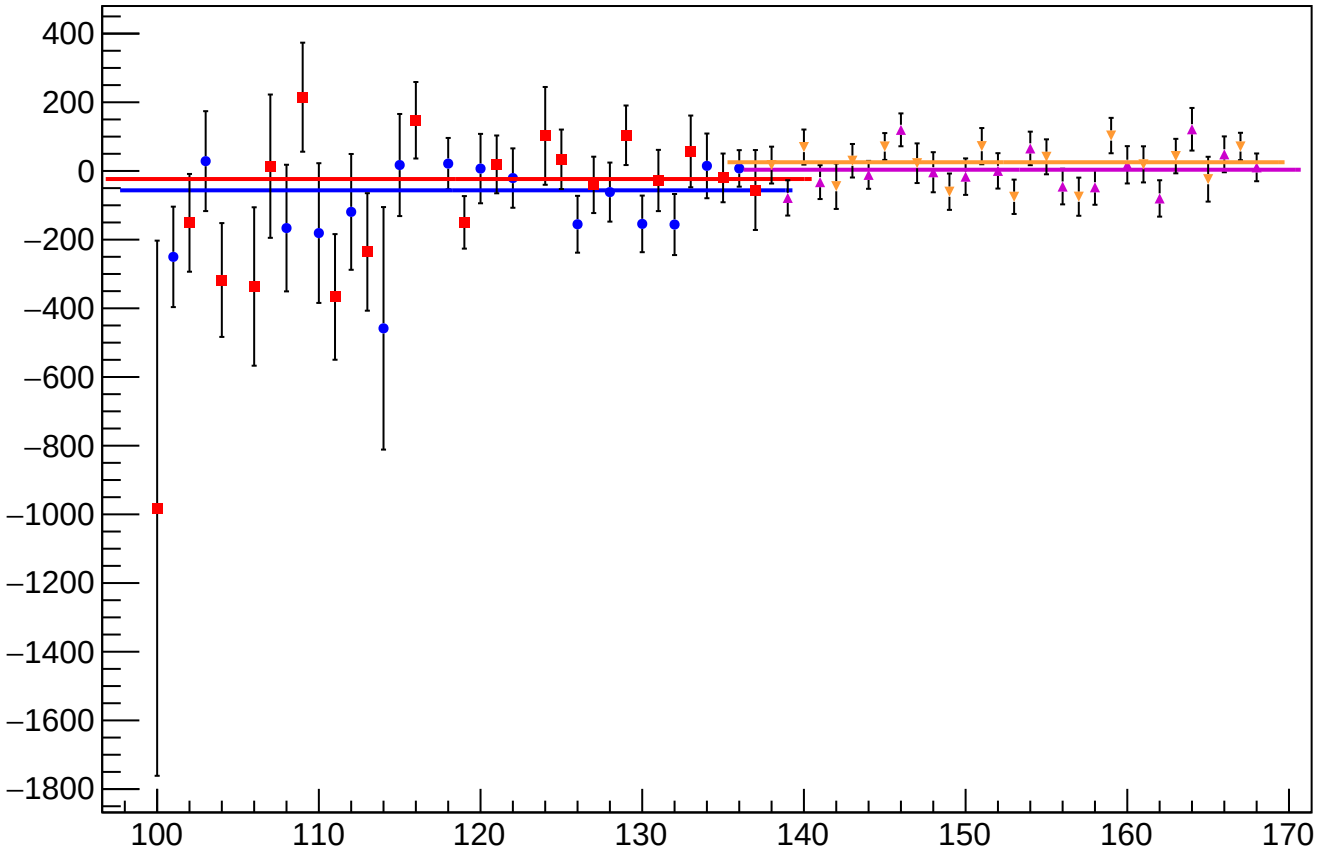
Left: 137.561+/-0.020 χ^2/NDF: 2696225.2/30

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 150.753+/-0.026 χ^2/NDF:5607161.6/30

Out: 150.971+/-0.026 χ^2/NDF:6805597.3/34

All: 150.862+/-0.019 χ^2/NDF: 12412793.7/65



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.398+/-12.743 χ^2/NDF:18.4/15

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 3.566+/-12.947 χ^2/NDF:19.7/14

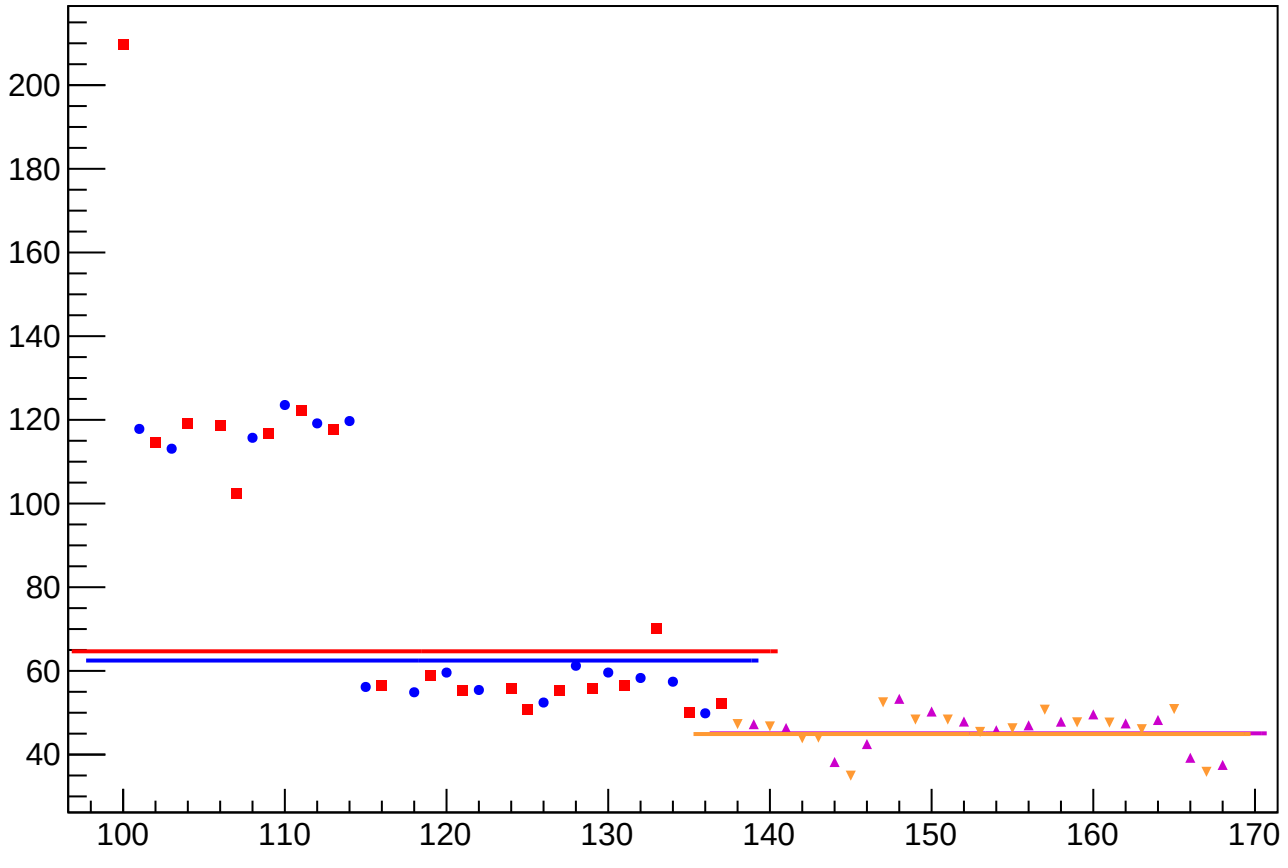
Left: 14.655+/-9.082 χ^2/NDF: 39.6/30

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -9.537+/-11.446 χ^2/NDF:36.7/30

Out: 15.416+/-11.368 χ^2/NDF:45.5/34

All: 3.025+/-8.066 χ^2/NDF: 84.6/65



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.907+/-0.009 χ^2/NDF:344095.0/15

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.072+/-0.009 χ^2/NDF:259948.2/14

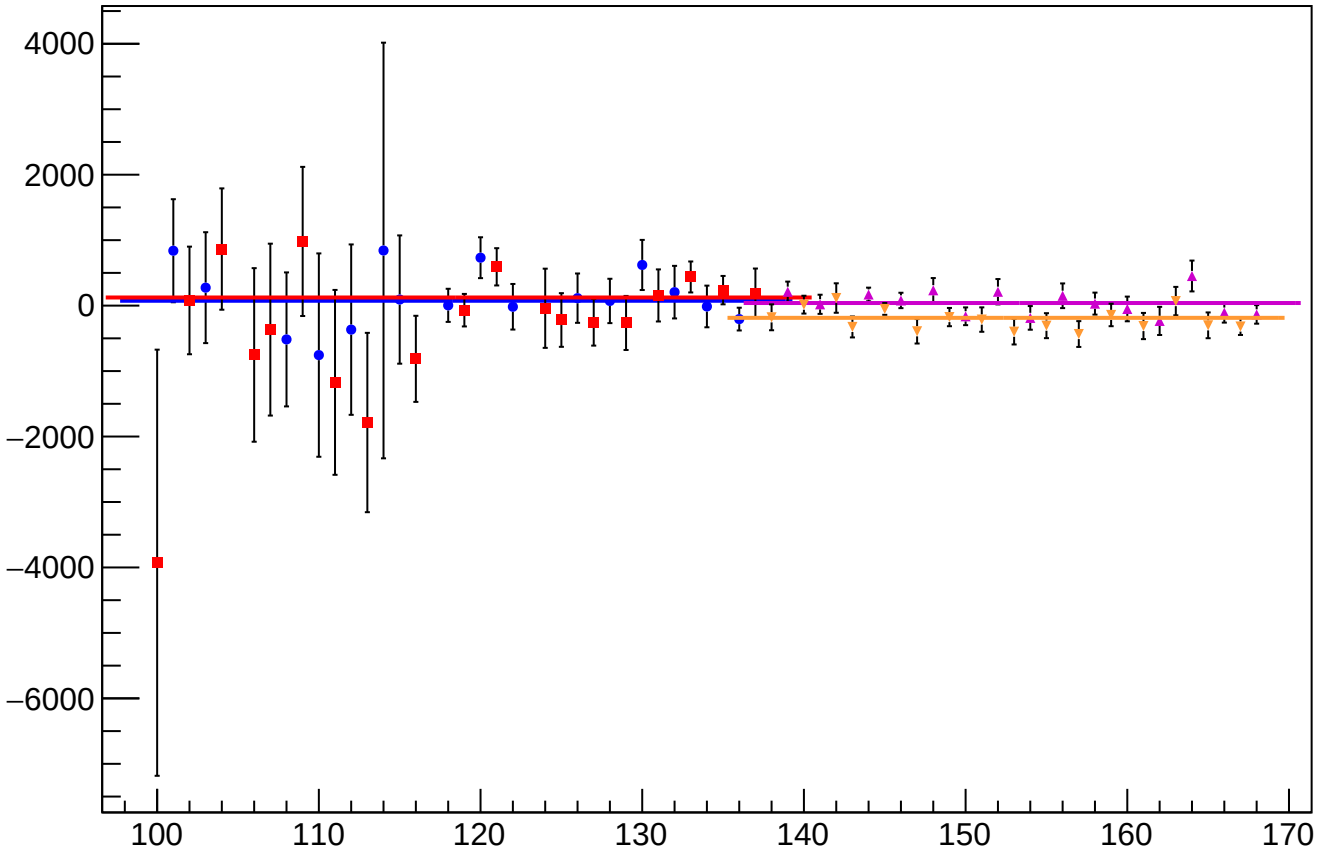
Left: 44.988+/-0.006 χ^2/NDF: 604208.7/30

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 48.874+/-0.008 χ^2/NDF:2397408.9/30

Out: 48.944+/-0.008 χ^2/NDF:2917558.9/34

All: 48.909+/-0.006 χ^2/NDF: 5315005.3/65



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -186.676+/-40.303 χ^2/NDF:14.7/15

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 39.760+/-40.253 χ^2/NDF:16.3/14

Left: -73.316+/-28.481 χ^2/NDF: 46.8/30

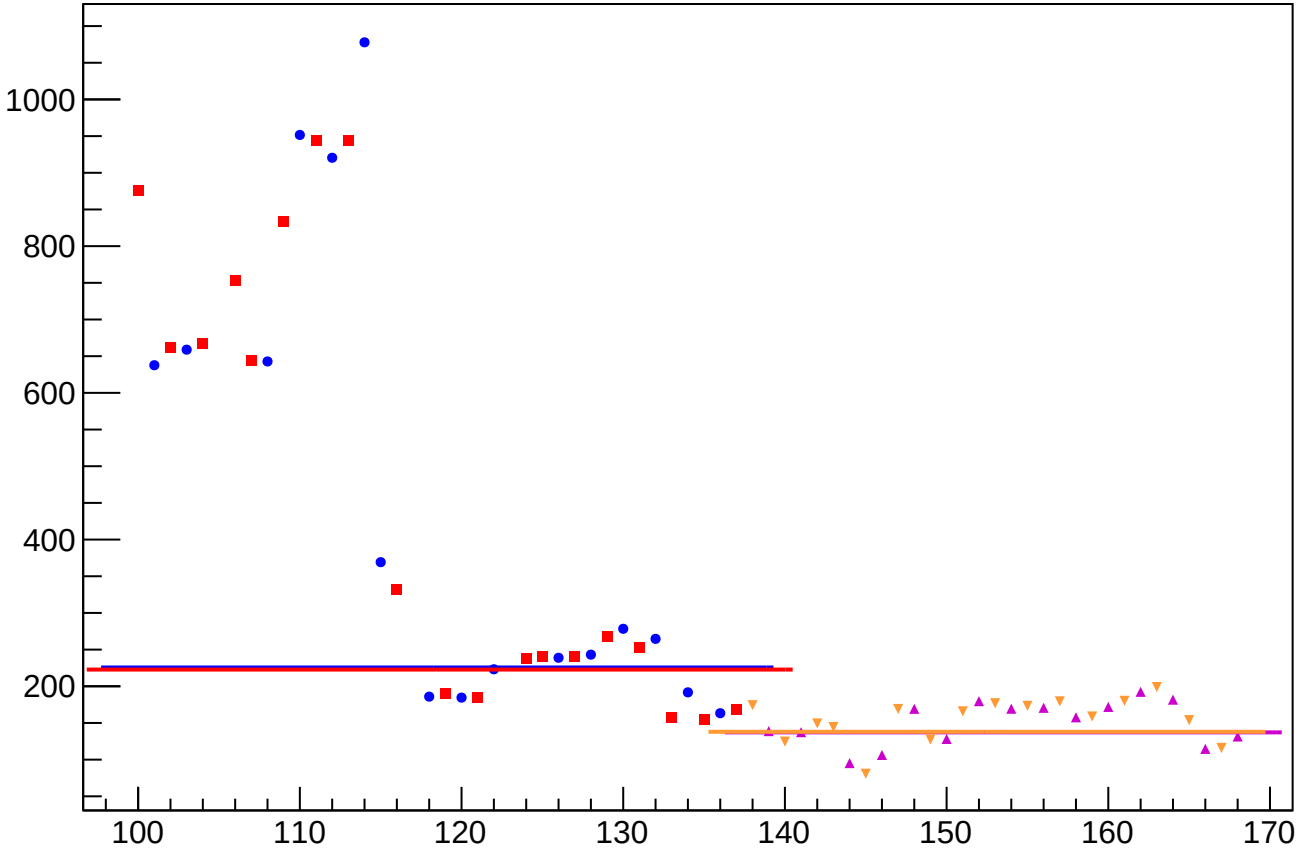
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 45.064+/-37.032 χ^2/NDF:27.7/30

Out: -138.975+/-37.082 χ^2/NDF:40.1/34

All: -46.832+/-26.203 χ^2/NDF: 80.1/65

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: 137.954+/-0.028 χ^2/NDF:1597801.9/15

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 137.168+/-0.028 χ^2/NDF:1098038.5/14

Left: 137.561+/-0.020 χ^2/NDF: 2696221.6/30

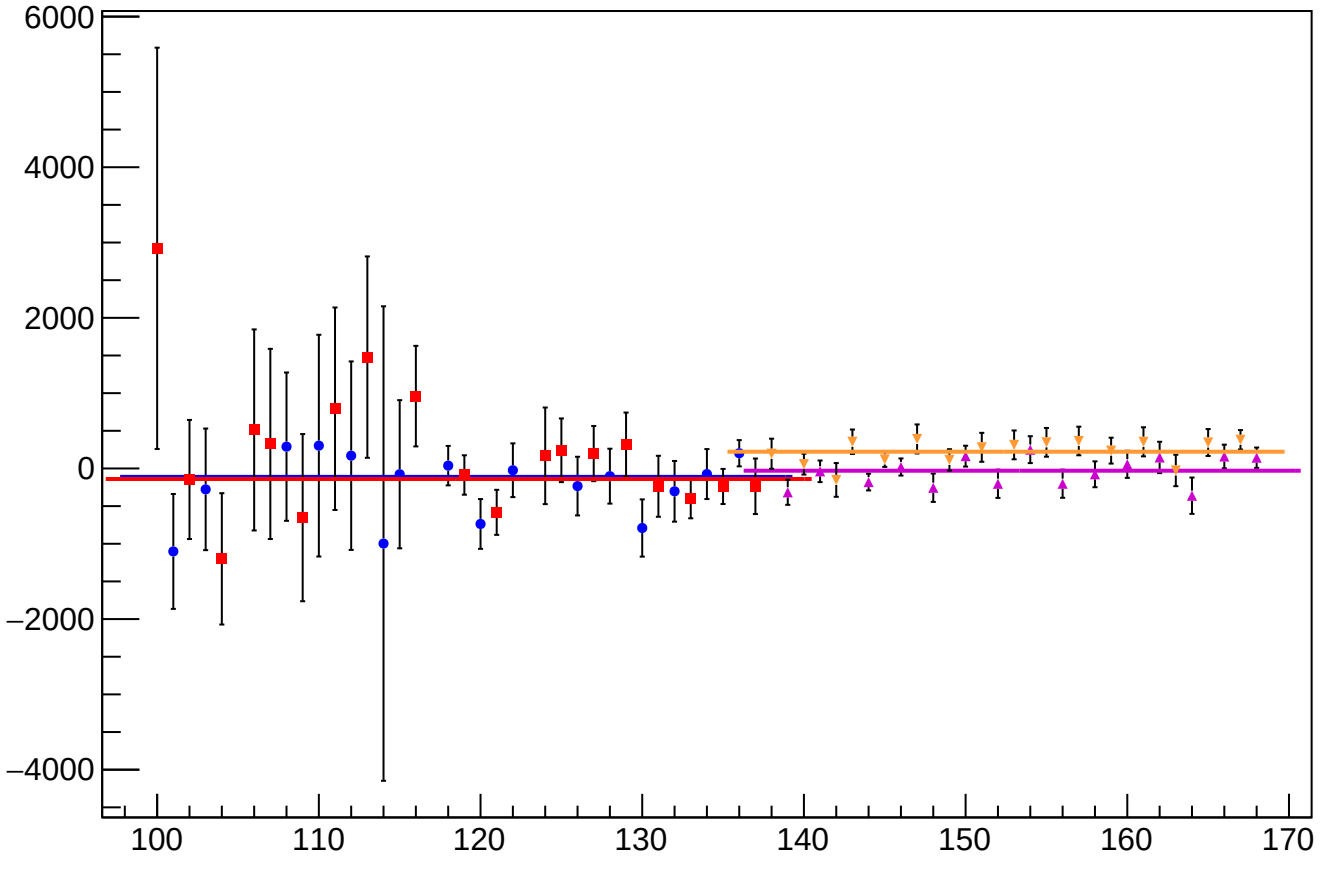
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 150.753+/-0.026 χ^2/NDF:5607149.0/30

Out: 150.971+/-0.026 χ^2/NDF:6805574.7/34

All: 150.862+/-0.019 χ^2/NDF: 12412758.5/65

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 222.371+/-40.858 χ^2/NDF:12.5/15

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -29.954+/-40.409 χ^2/NDF:18.6/14

Left: 94.816+/-28.731 χ^2/NDF: 50.3/30

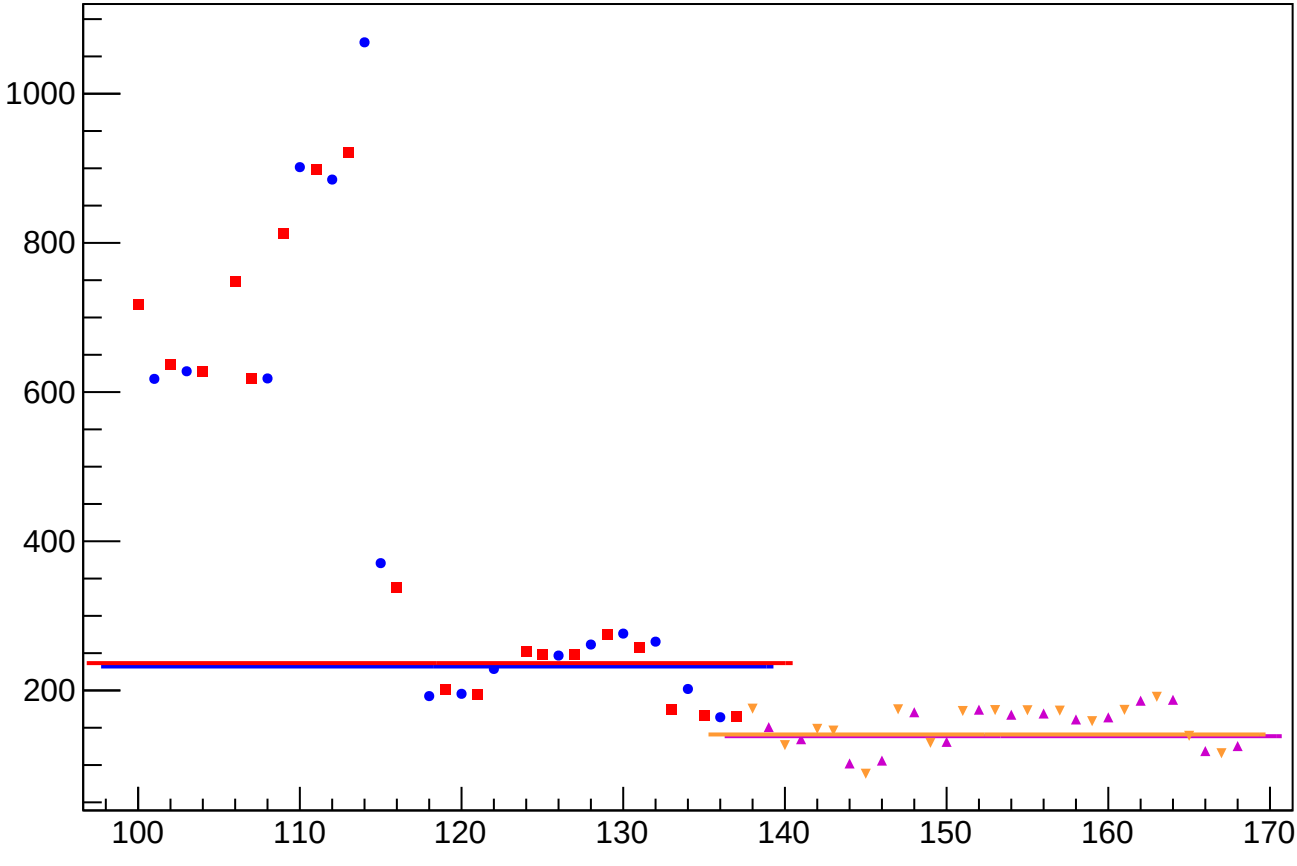
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -42.171+/-37.276 χ^2/NDF:32.0/30

Out: 169.794+/-37.778 χ^2/NDF:38.6/34

All: 62.395+/-26.534 χ^2/NDF: 86.5/65

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 140.984+/-0.029 χ^2/NDF:1227642.8/15

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 138.672+/-0.029 χ^2/NDF:946823.9/14

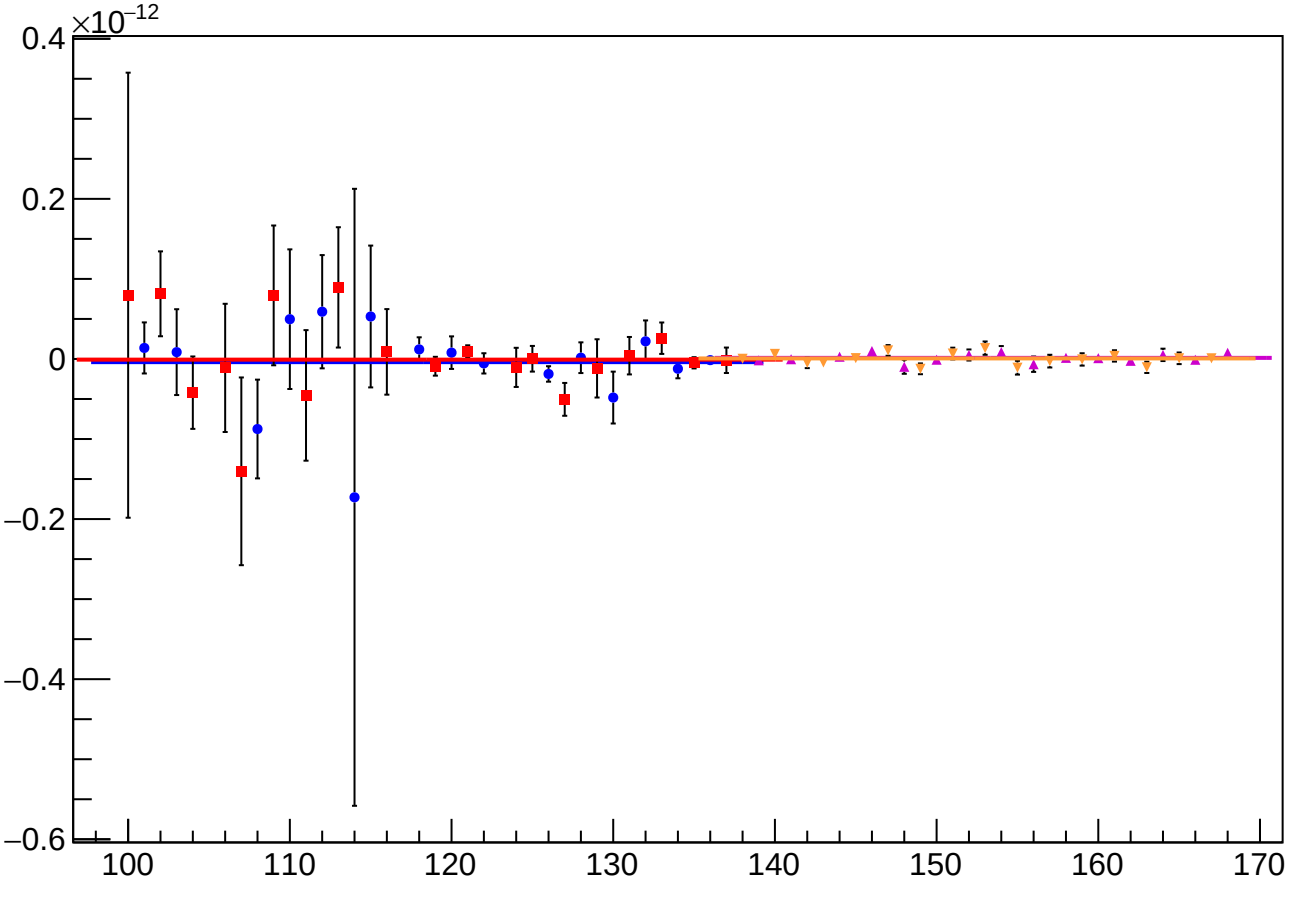
Left: 139.815+/-0.020 χ^2/NDF: 2177705.3/30

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 152.599+/-0.026 χ^2/NDF:5426156.0/30

Out: 154.865+/-0.027 χ^2/NDF:6339546.8/34

All: 153.717+/-0.019 χ^2/NDF: 11769349.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/14

Left: 0.000+/-0.000 χ^2/NDF: 27.1/30

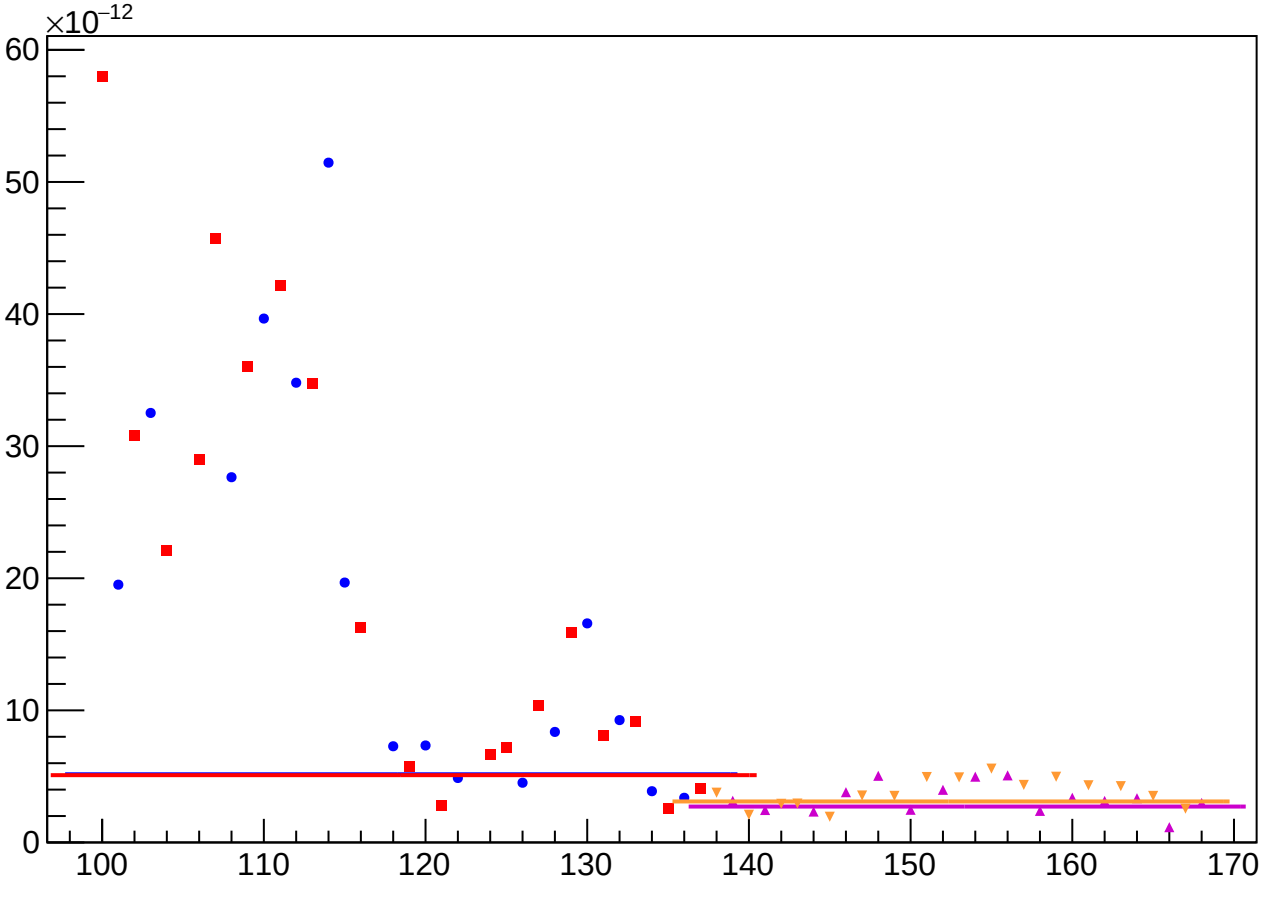
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:22.3/30

Out: 0.000+/-0.000 χ^2/NDF:36.1/34

All: 0.000+/-0.000 χ^2/NDF: 58.5/65

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:1182635.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1166649.0/14

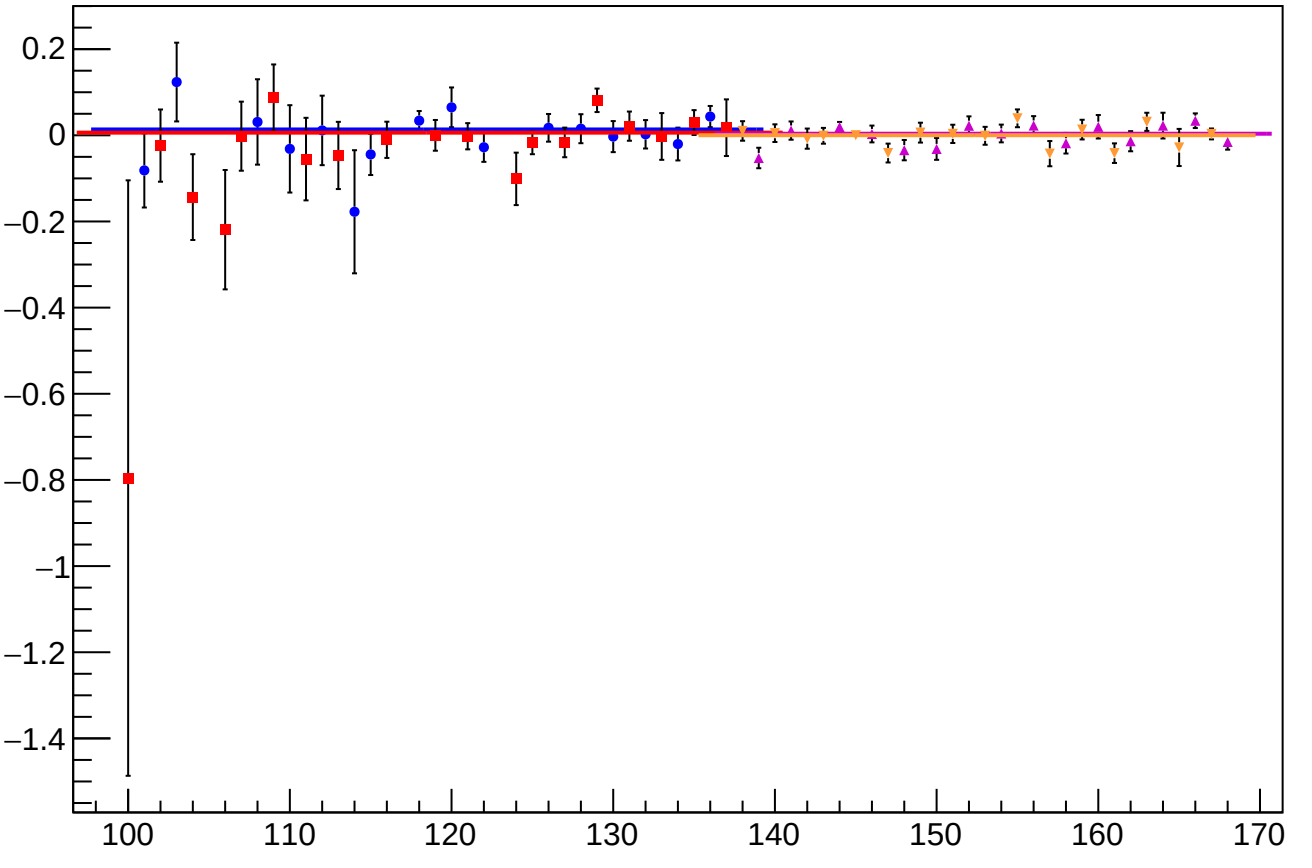
Left: 0.000+/-0.000 χ^2/NDF: 2429163.8/30

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4569878.6/30

Out: 0.000+/-0.000 χ^2/NDF:4869340.0/34

All: 0.000+/-0.000 χ^2/NDF: 9502813.5/65



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.004+/-0.005 χ^2/NDF:20.0/14

Left: 0.002+/-0.004 χ^2/NDF: 36.3/30

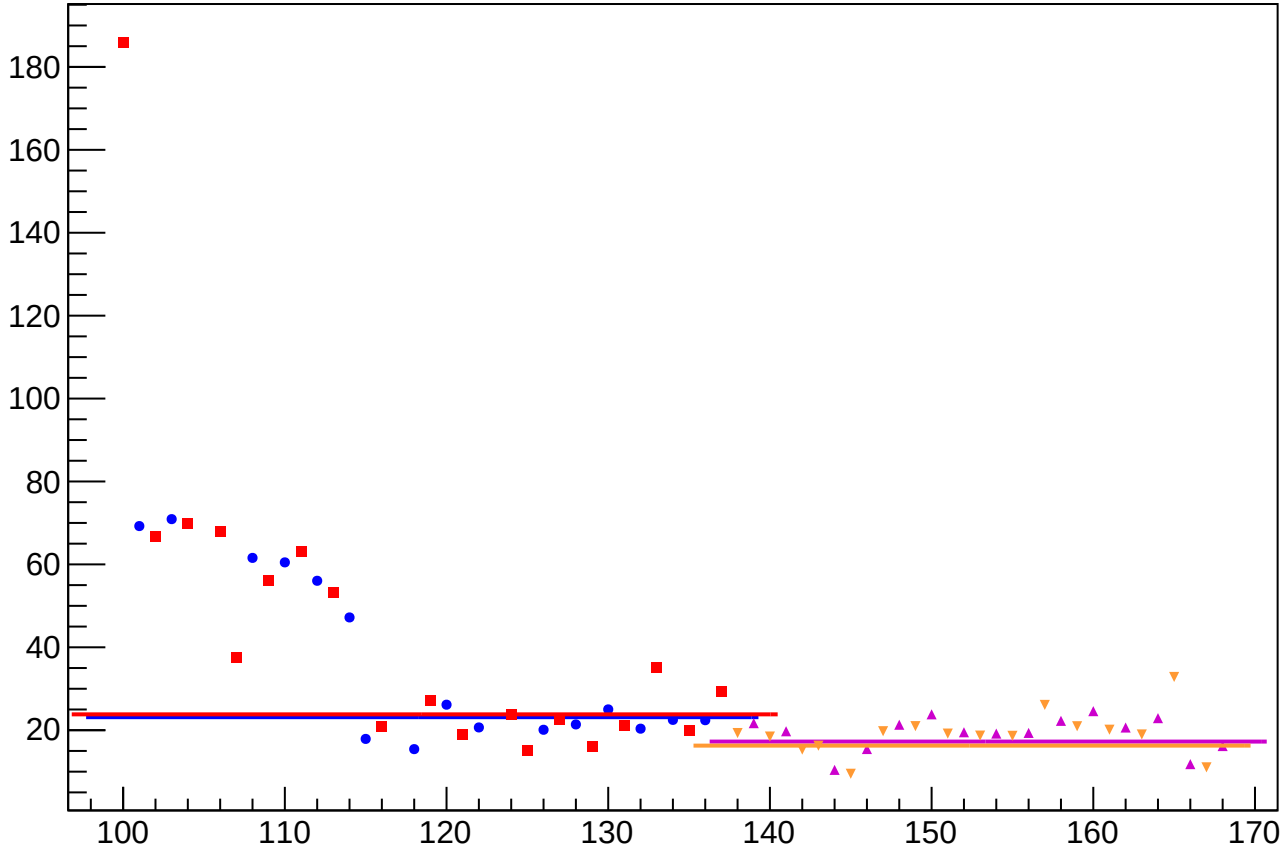
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:33.1/30

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 71.4/65

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.282+/-0.003 χ^2/NDF:2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.257+/-0.004 χ^2/NDF:1593801.7/14

Left: 16.735+/-0.003 χ^2/NDF: 3675023.1/30

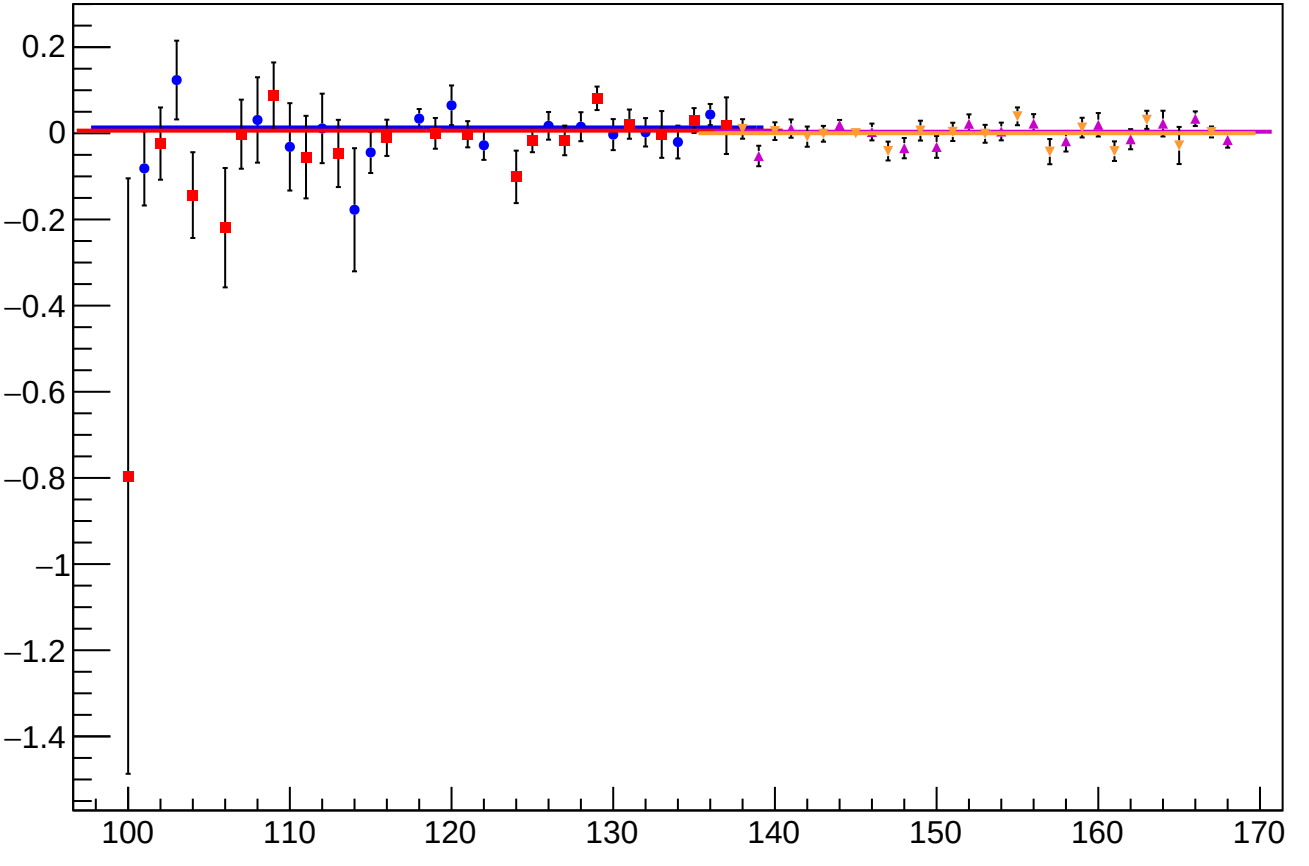
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.557+/-0.003 χ^2/NDF:4557482.2/30

Out: 17.721+/-0.003 χ^2/NDF:5851650.9/34

All: 18.118+/-0.002 χ^2/NDF: 10443465.8/65

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.004+/-0.005 χ^2/NDF:20.0/14

Left: 0.002+/-0.004 χ^2/NDF: 36.3/30

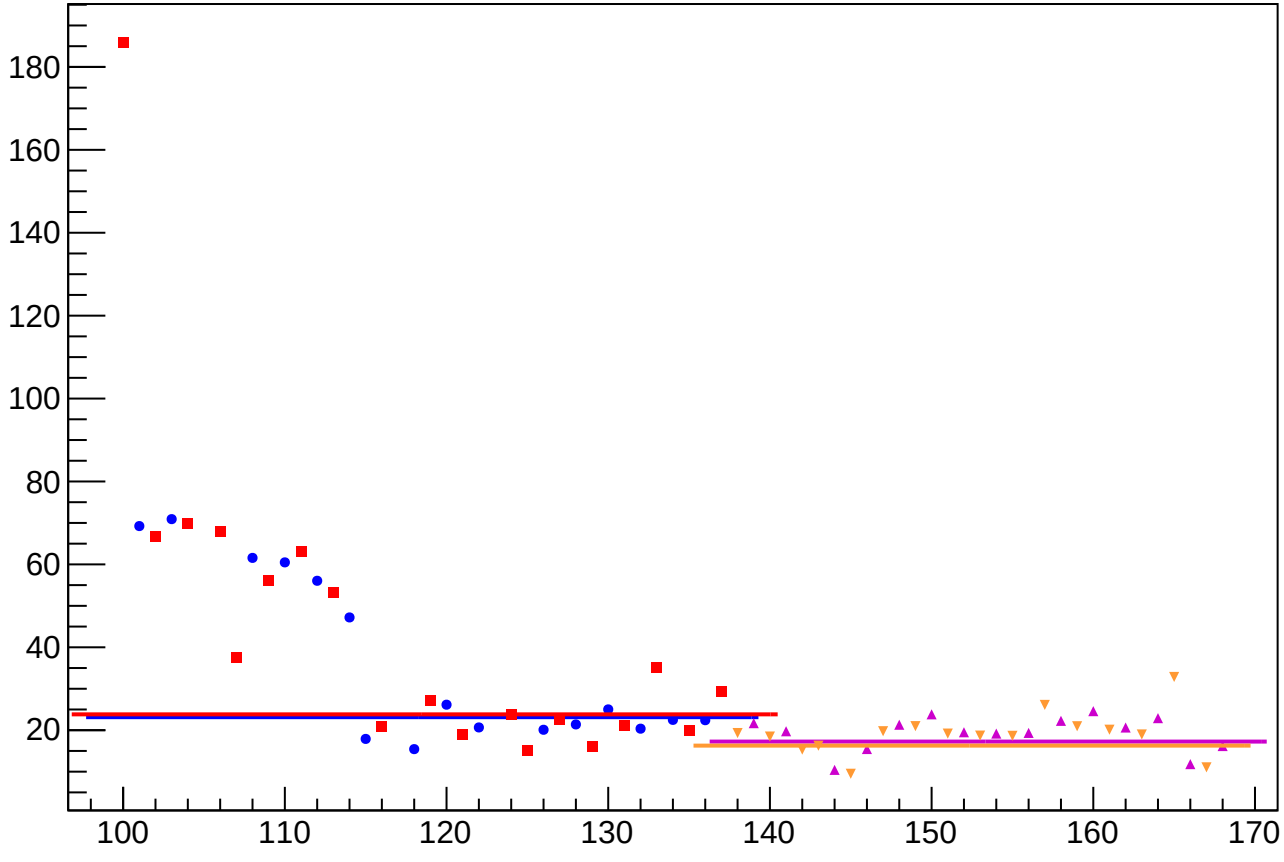
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:33.1/30

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 71.4/65

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: 16.282+/-0.003 χ^2/NDF:2044238.8/15

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.257+/-0.004 χ^2/NDF:1593801.7/14

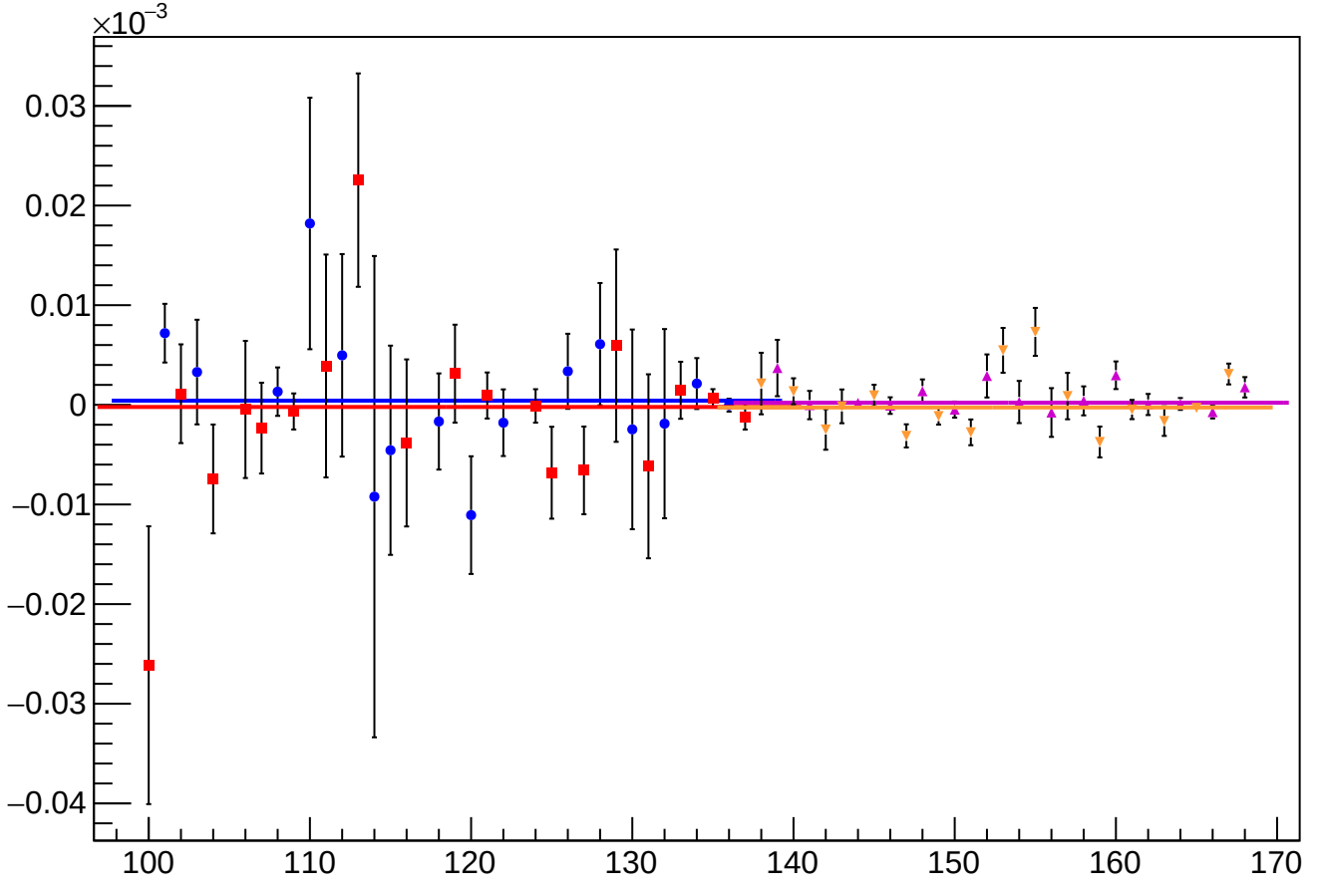
Left: 16.735+/-0.003 χ^2/NDF: 3675023.1/30

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.557+/-0.003 χ^2/NDF:4557482.2/30

Out: 17.721+/-0.003 χ^2/NDF:5851650.9/34

All: 18.118+/-0.002 χ^2/NDF: 10443465.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/14

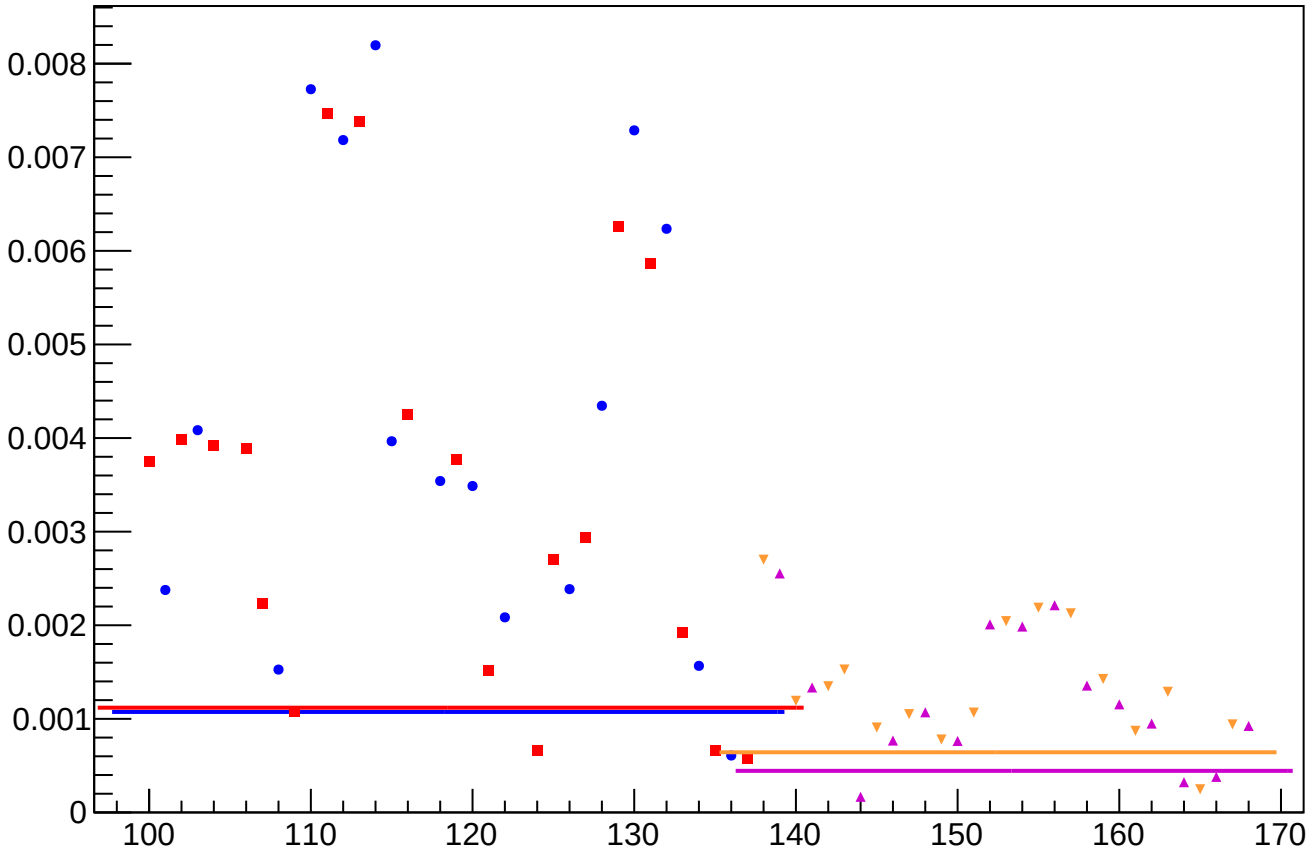
Left: 0.000+/-0.000 χ^2/NDF: 64.4/30

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.0/30

Out: -0.000+/-0.000 χ^2/NDF:66.1/34

All: 0.000+/-0.000 χ^2/NDF: 98.2/65



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:9357551.3/15

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10915937.0/14

Left: 0.001+/-0.000 χ^2/NDF: 21150211.1/30

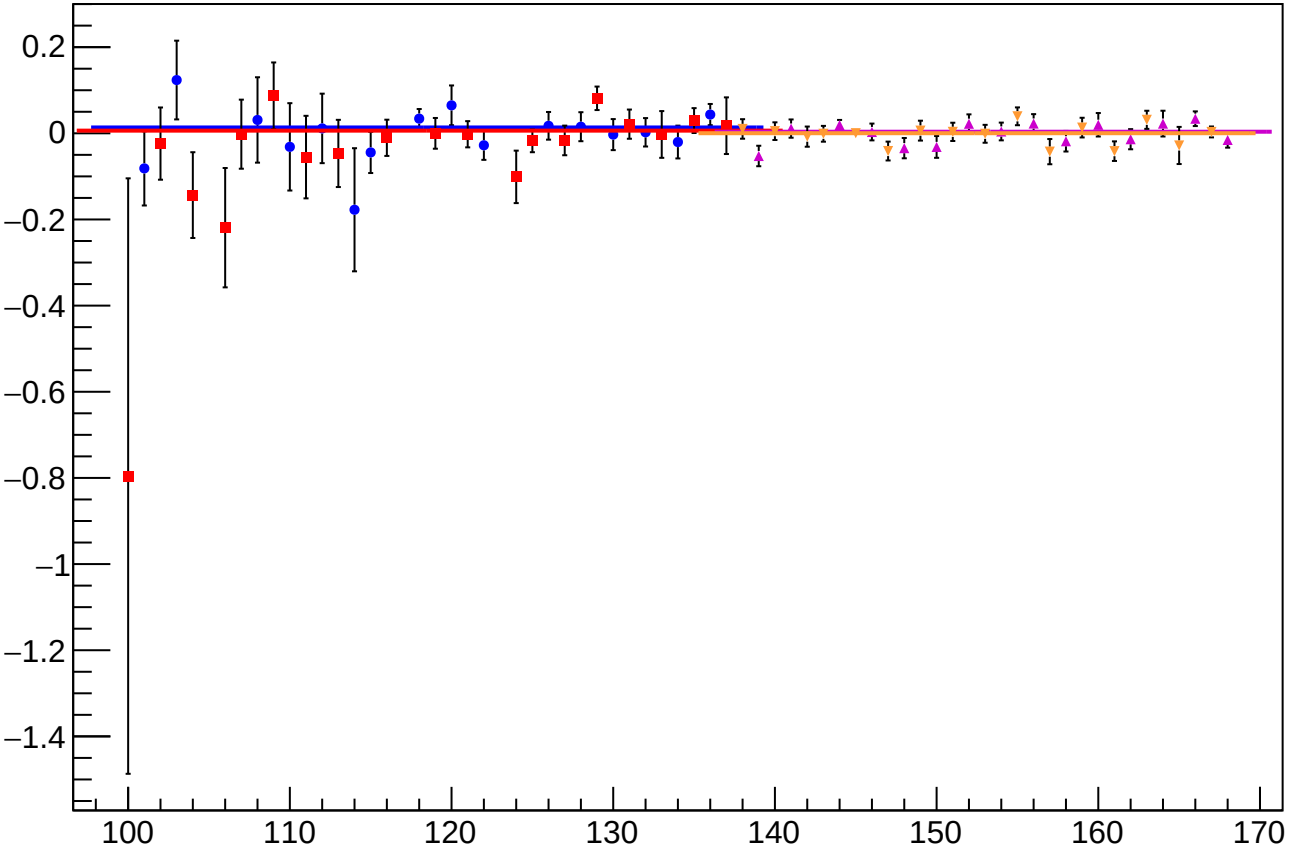
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:20223953.6/30

Out: 0.001+/-0.000 χ^2/NDF:17355494.9/34

All: 0.001+/-0.000 χ^2/NDF: 38647031.6/65

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: 0.000+/-0.005 χ^2/NDF:16.1/15

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.004+/-0.005 χ^2/NDF:20.0/14

Left: 0.002+/-0.004 χ^2/NDF: 36.3/30

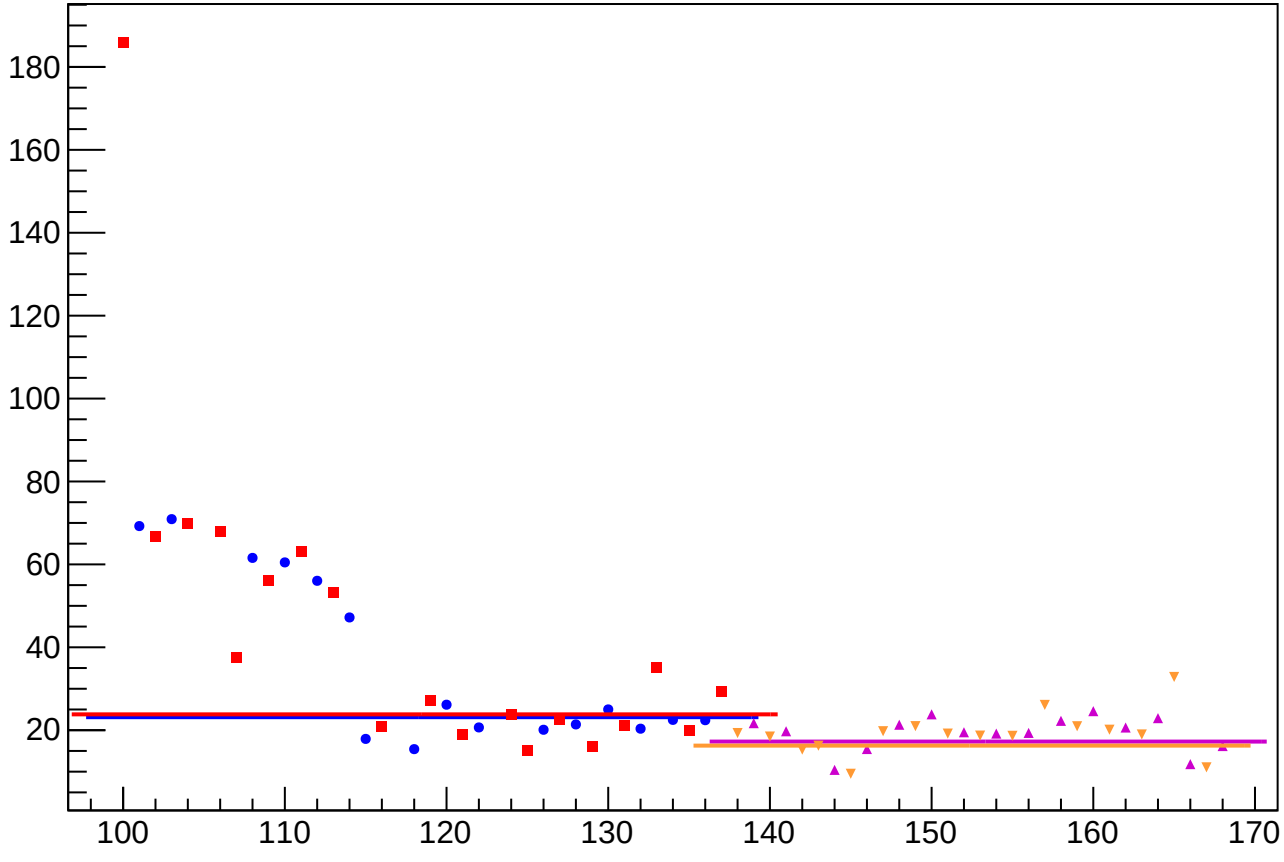
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:33.1/30

Out: 0.001+/-0.004 χ^2/NDF:37.9/34

All: 0.004+/-0.003 χ^2/NDF: 71.4/65

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: 16.282+/-0.003 χ^2/NDF:2044388.3/15

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.257+/-0.004 χ^2/NDF:1593788.3/14

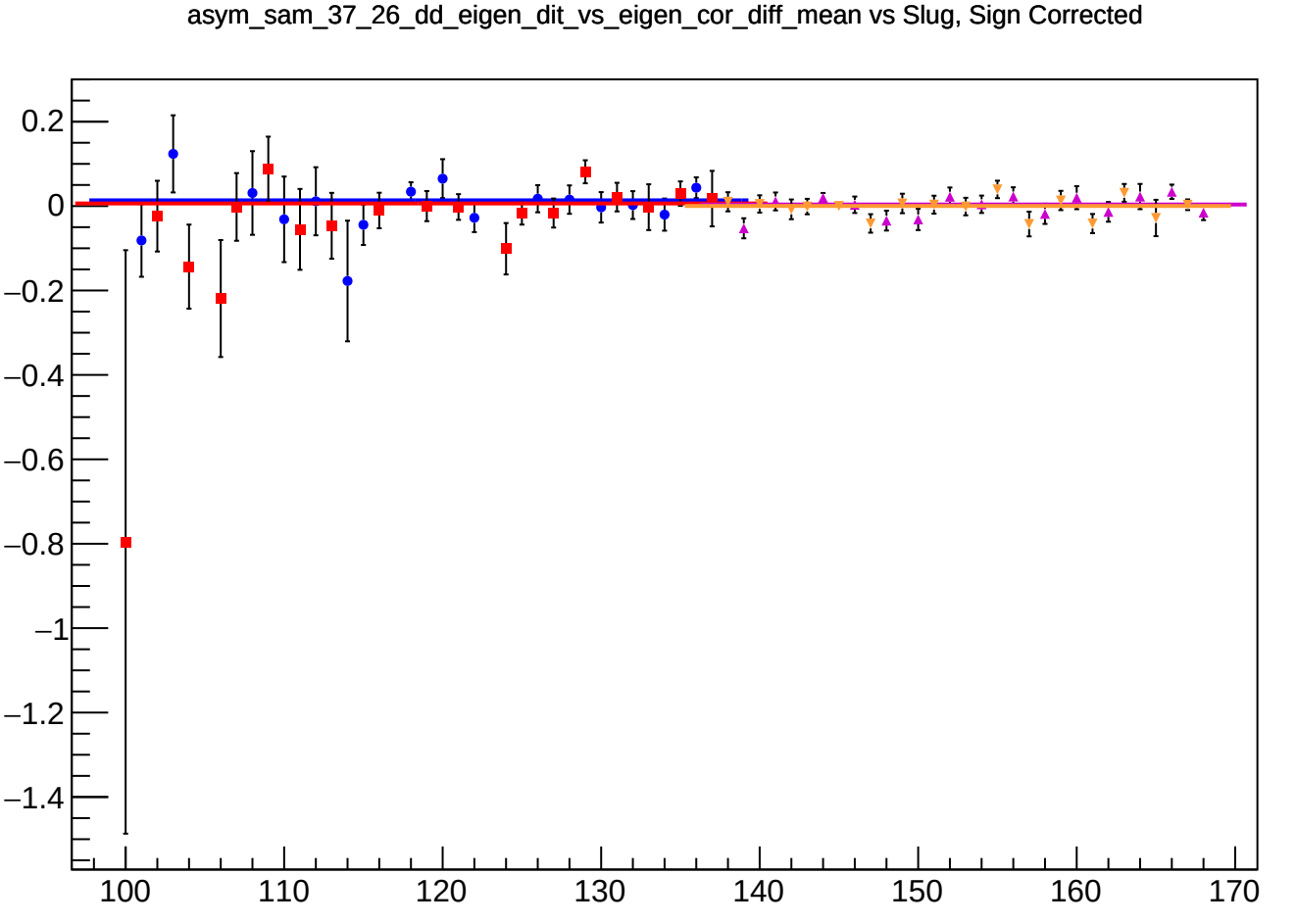
Left: 16.735+/-0.003 χ^2/NDF: 3675167.6/30

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

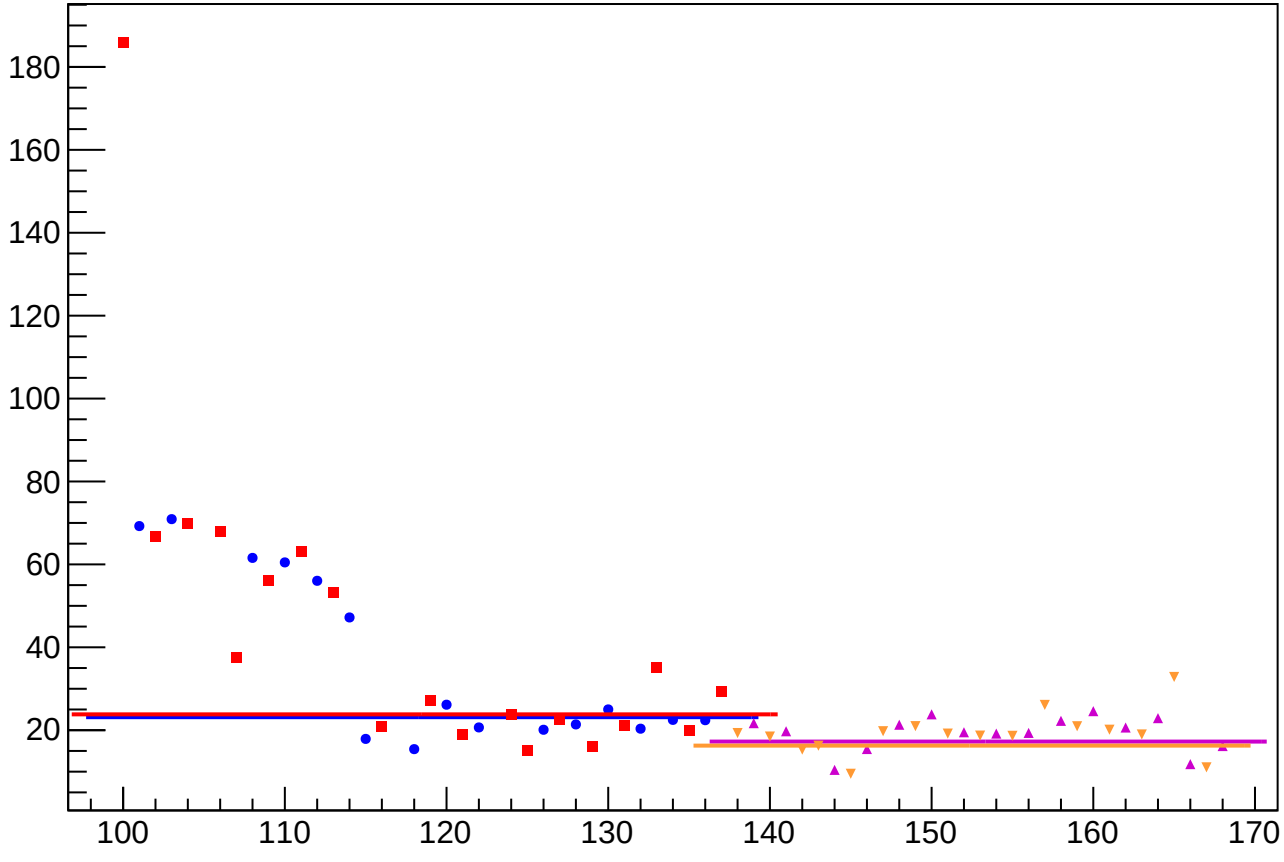
In: 18.557+/-0.003 χ^2/NDF:4557258.6/30

Out: 17.721+/-0.003 χ^2/NDF:5851628.7/34

All: 18.118+/-0.002 χ^2/NDF: 10443217.7/65


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.005 χ²/NDF:16.1/15
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.004+/-0.005 χ²/NDF:20.0/14
Left: 0.002+/-0.004 χ²/NDF: 36.3/30
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.006+/-0.005 χ²/NDF:33.1/30
Out: 0.001+/-0.004 χ²/NDF:37.9/34
All: 0.004+/-0.003 χ²/NDF: 71.4/65

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: 16.282+/-0.003 χ^2/NDF:2044388.3/15

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.257+/-0.004 χ^2/NDF:1593788.3/14

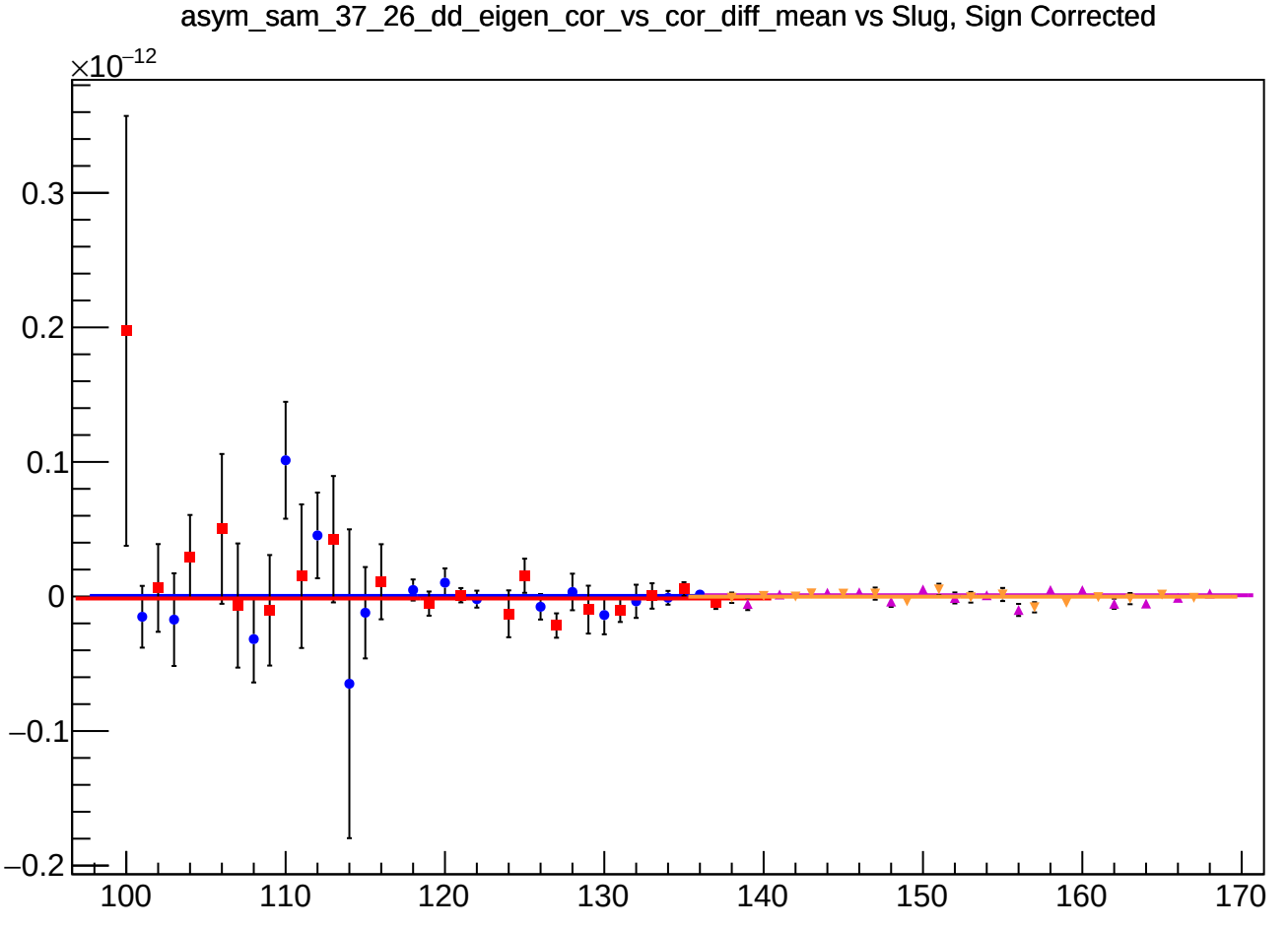
Left: 16.735+/-0.003 χ^2/NDF: 3675167.6/30

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.557+/-0.003 χ^2/NDF:4557258.6/30

Out: 17.721+/-0.003 χ^2/NDF:5851628.7/34

All: 18.118+/-0.002 χ^2/NDF: 10443217.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/14

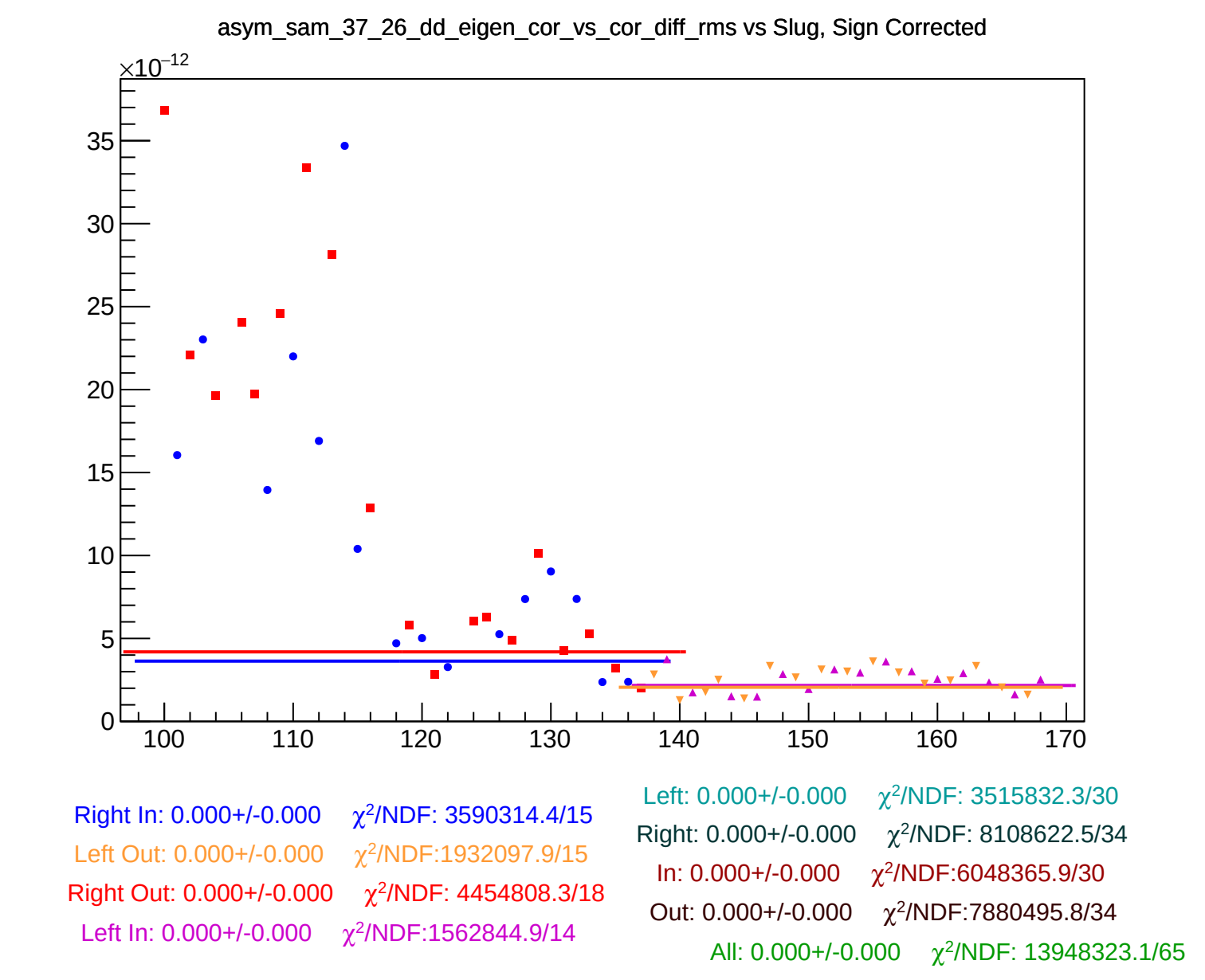
Left: 0.000+/-0.000 χ^2/NDF: 36.5/30

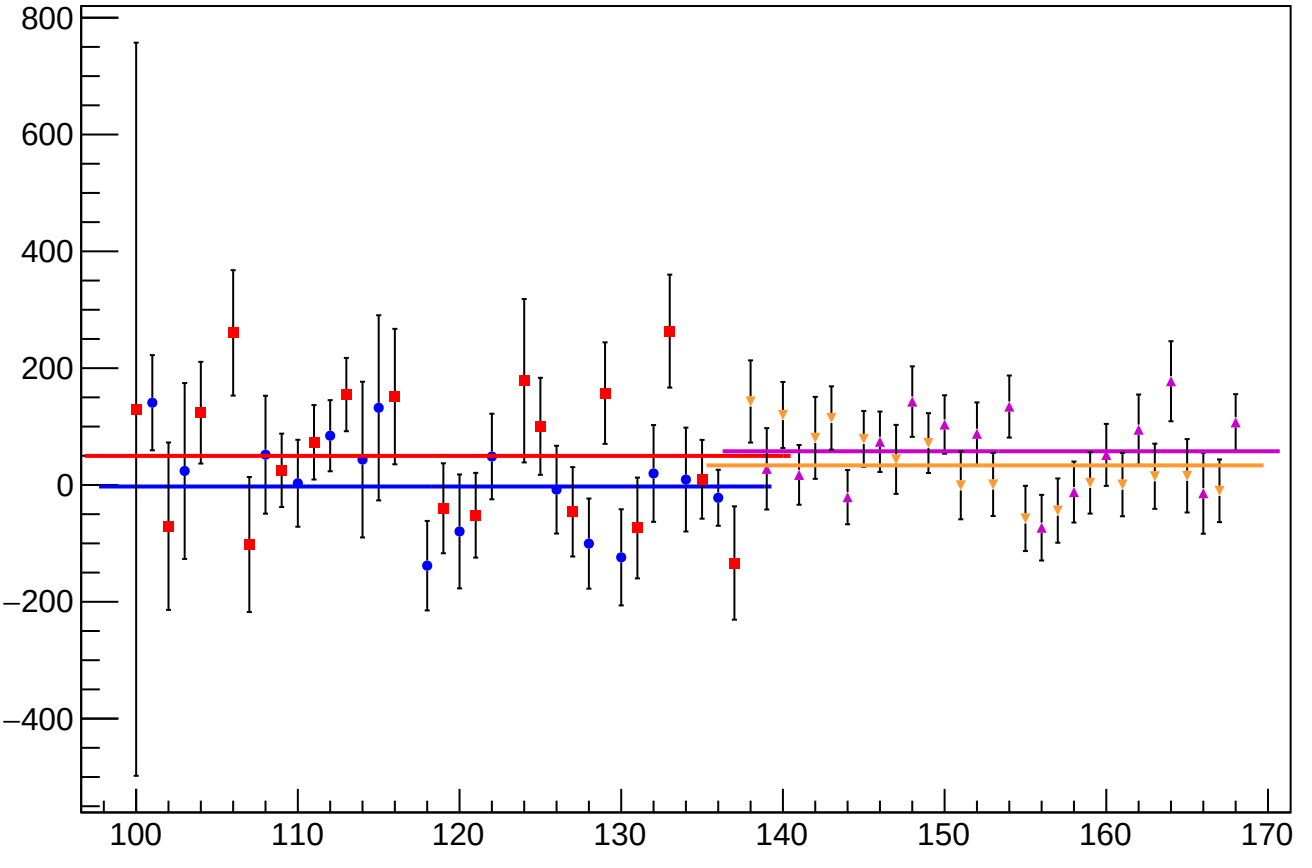
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:36.0/30

Out: -0.000+/-0.000 χ^2/NDF:28.4/34

All: 0.000+/-0.000 χ^2/NDF: 65.6/65


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1932097.9/15
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1562844.9/14
Left: 0.000+/-0.000 χ²/NDF: 3515832.3/30
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6048365.9/30
Out: 0.000+/-0.000 χ²/NDF:7880495.8/34
All: 0.000+/-0.000 χ²/NDF: 13948323.1/65



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 33.561+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 57.714+/-14.190 χ^2/NDF:21.8/14

Left: 45.505+/-9.979 χ^2/NDF: 39.0/30

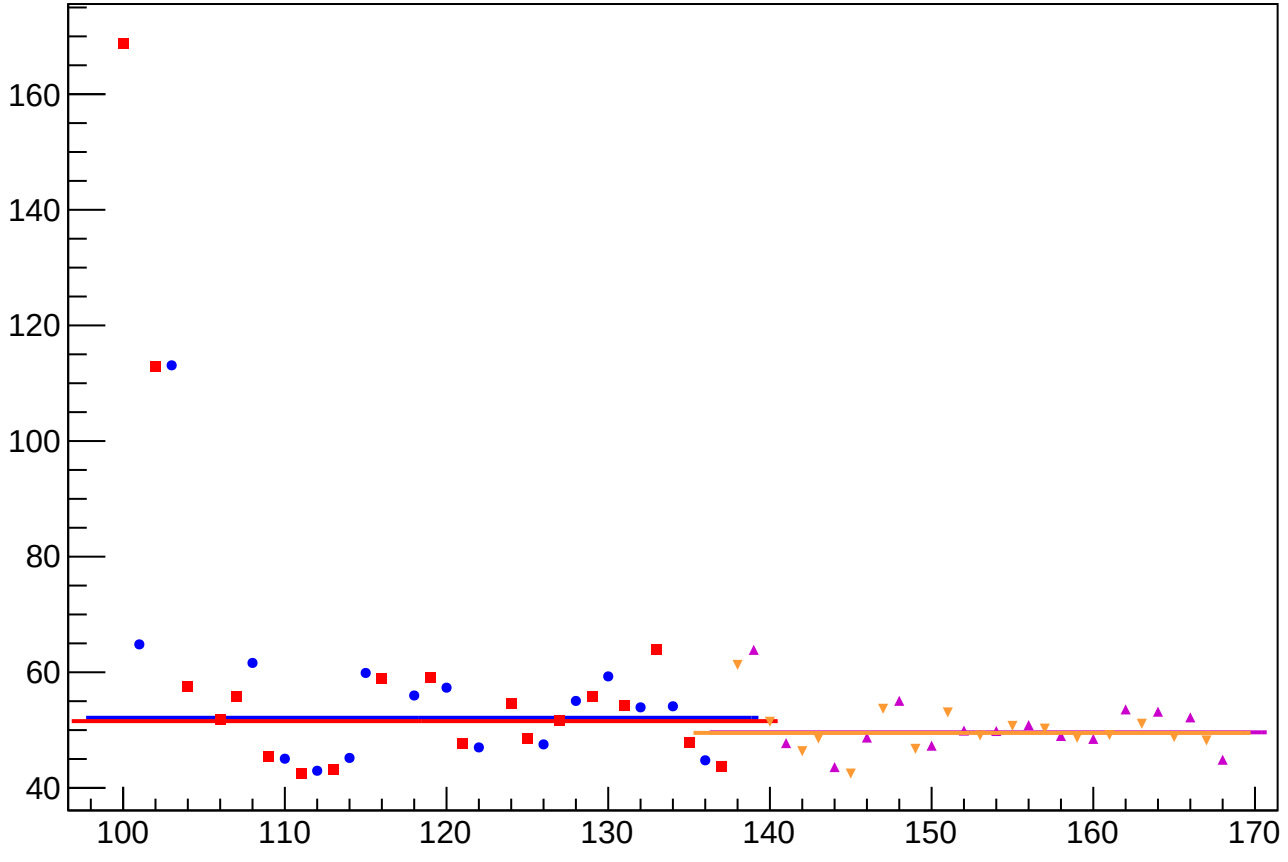
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 37.507+/-11.572 χ^2/NDF:42.4/30

Out: 39.061+/-11.416 χ^2/NDF:45.6/34

All: 38.294+/-8.127 χ^2/NDF: 88.0/65

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

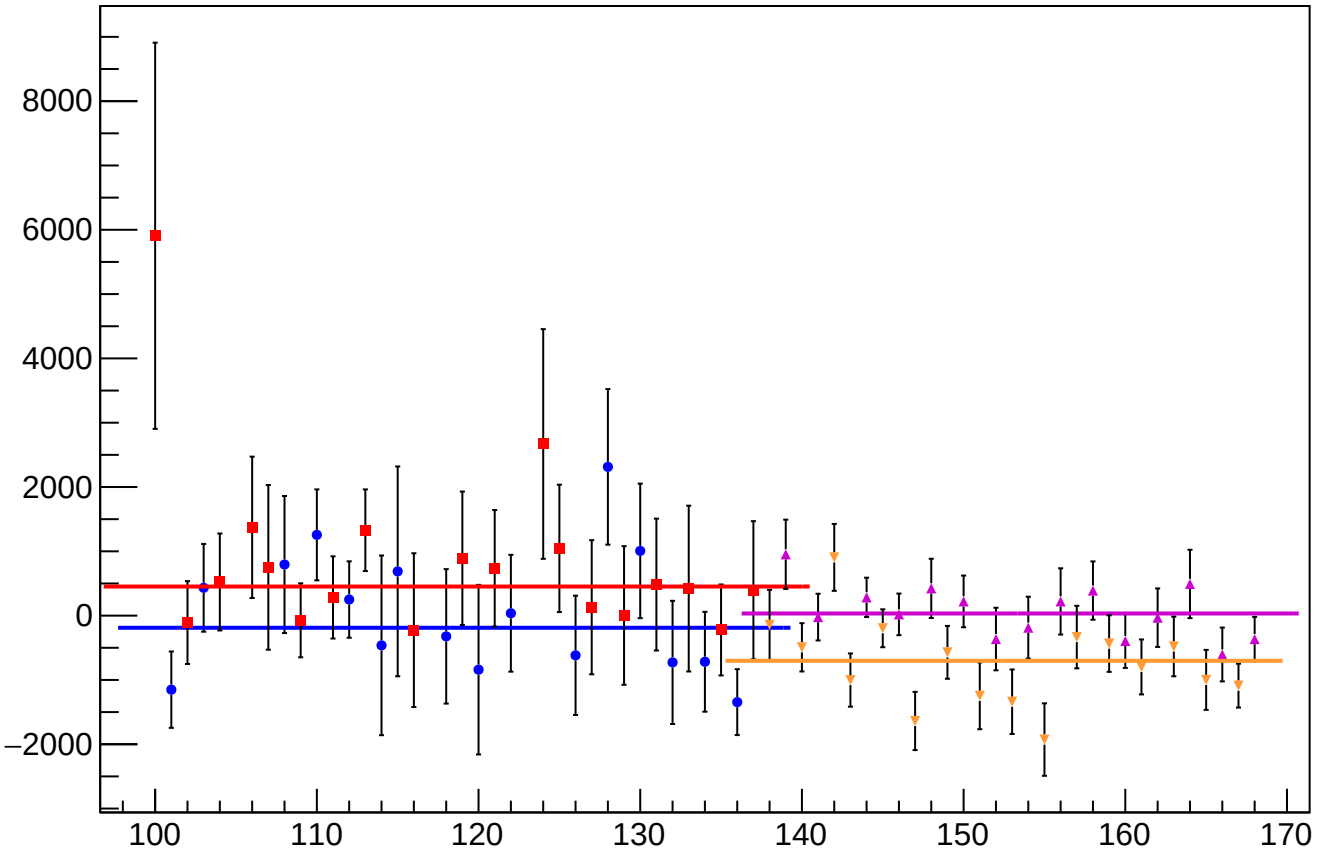
Left: 49.564+/-0.007 χ^2/NDF: 314299.3/30

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.456+/-0.008 χ^2/NDF:763666.2/30

Out: 50.204+/-0.008 χ^2/NDF:788324.2/34

All: 50.328+/-0.006 χ^2/NDF: 1552470.6/65



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -702.526+/-107.933 χ^2/NDF:29.1/15

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 33.517+/-106.913 χ^2/NDF:11.6/14

Left: -331.007+/-75.957 χ^2/NDF: 64.2/30

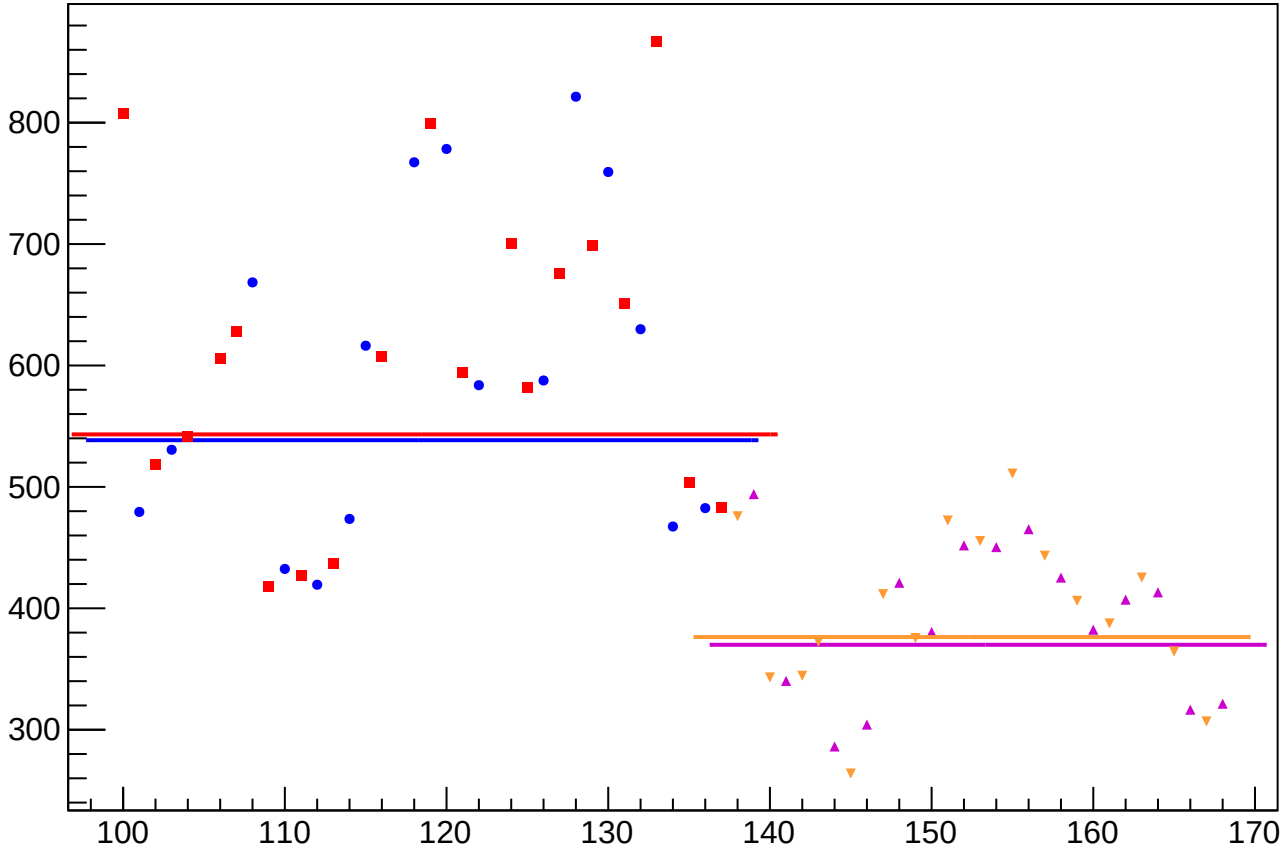
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -13.676+/-94.875 χ^2/NDF:33.9/30

Out: -449.745+/-95.395 χ^2/NDF:65.5/34

All: -230.520+/-67.270 χ^2/NDF: 109.9/65

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 376.342+/-0.076 χ^2/NDF:780294.8/15

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 369.965+/-0.076 χ^2/NDF:688944.3/14

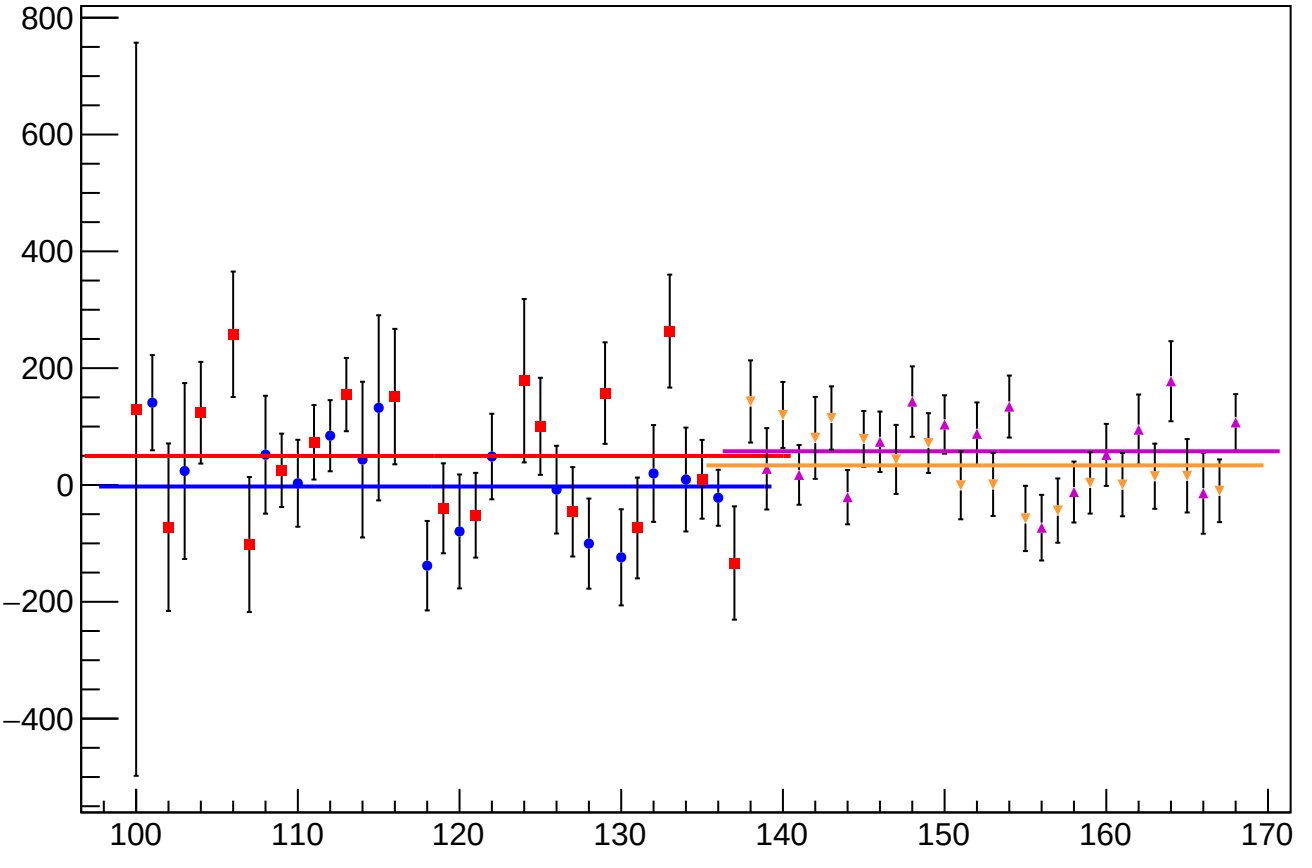
Left: 373.123+/-0.054 χ^2/NDF: 1472763.5/30

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 405.772+/-0.067 χ^2/NDF:2358678.5/30

Out: 412.867+/-0.067 χ^2/NDF:2463977.2/34

All: 409.301+/-0.048 χ^2/NDF: 4828217.6/65



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 57.713+/-14.190 χ^2/NDF:21.8/14

Left: 45.506+/-9.979 χ^2/NDF: 39.0/30

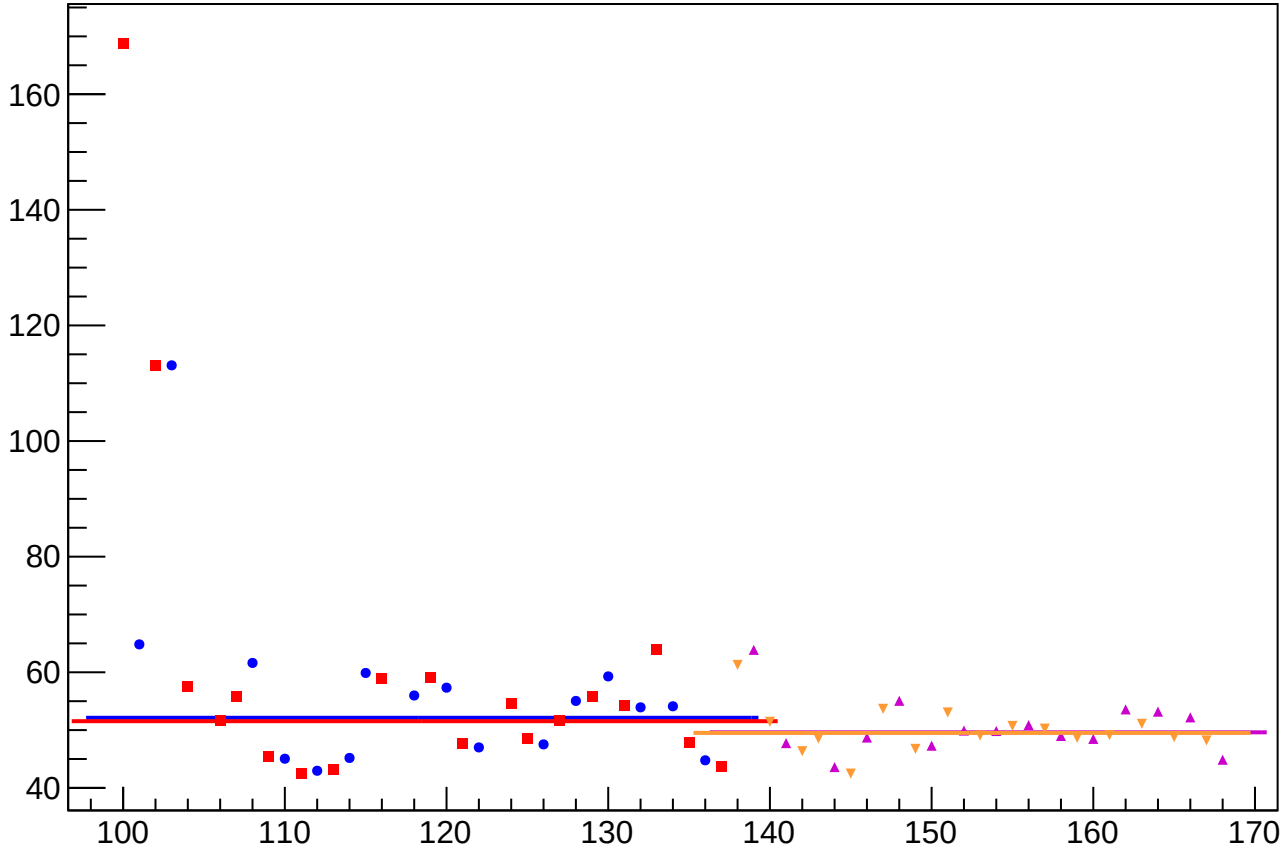
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.505+/-11.572 χ^2/NDF:42.4/30

Out: 39.023+/-11.416 χ^2/NDF:45.5/34

All: 38.274+/-8.127 χ^2/NDF: 87.9/65

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

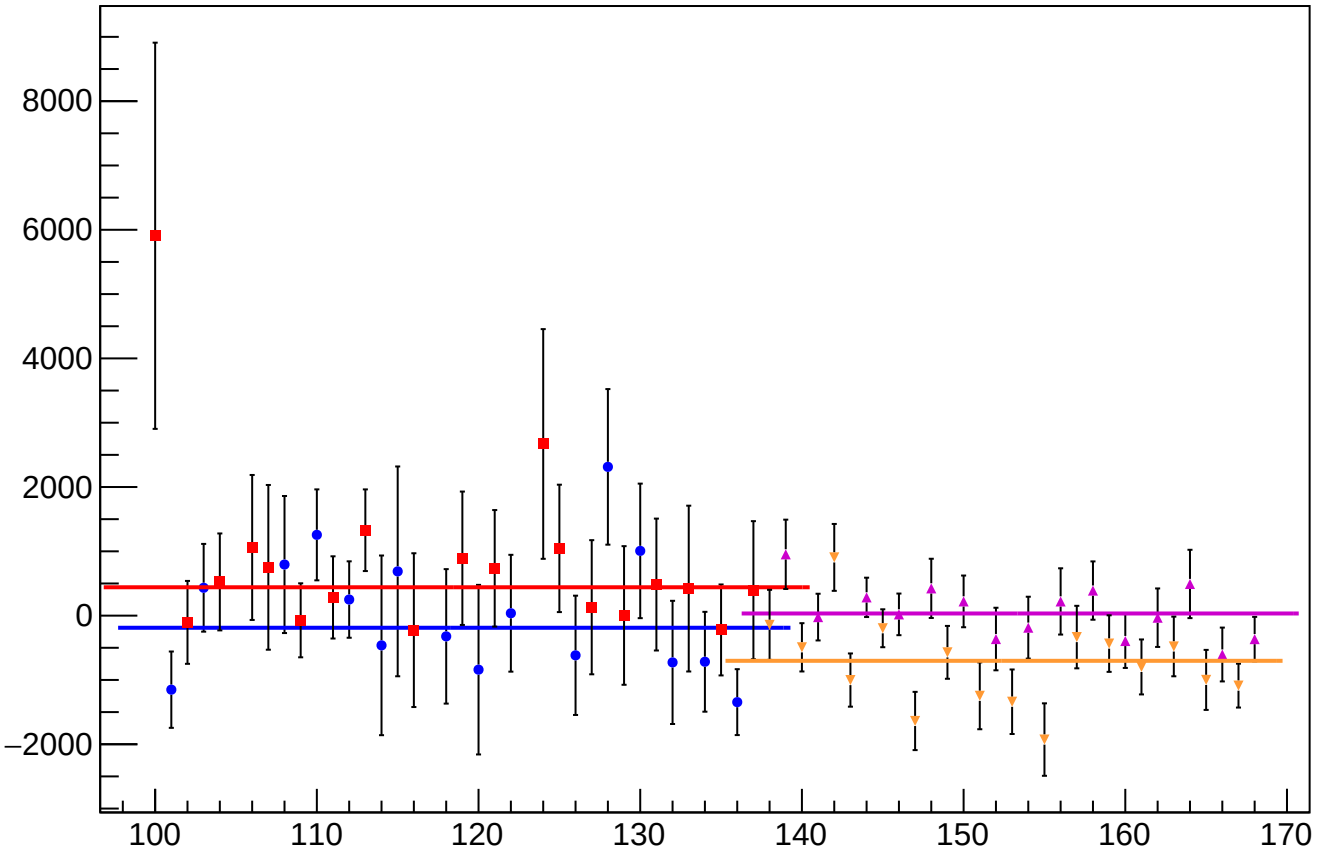
Left: 49.564+/-0.007 χ^2/NDF: 314299.3/30

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.456+/-0.008 χ^2/NDF:763668.5/30

Out: 50.201+/-0.008 χ^2/NDF:788399.9/34

All: 50.327+/-0.006 χ^2/NDF: 1552562.0/65



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -702.521+/-107.933 χ^2/NDF:29.1/15

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 33.519+/-106.913 χ^2/NDF:11.6/14

Left: -331.004+/-75.957 χ^2/NDF: 64.2/30

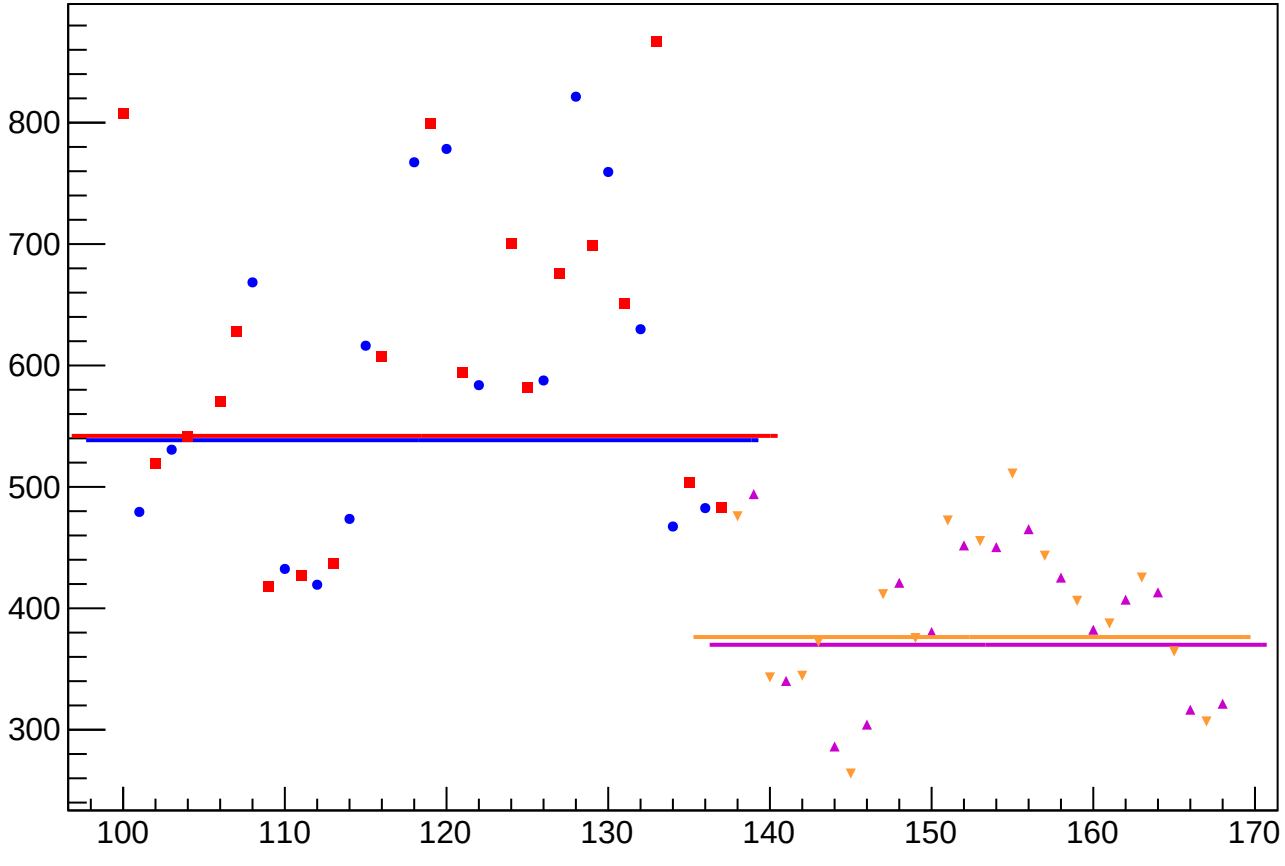
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -13.669+/-94.875 χ^2/NDF:33.9/30

Out: -452.599+/-95.414 χ^2/NDF:64.5/34

All: -231.891+/-67.277 χ^2/NDF: 109.1/65

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: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 369.965+/-0.076 χ^2/NDF:688942.4/14

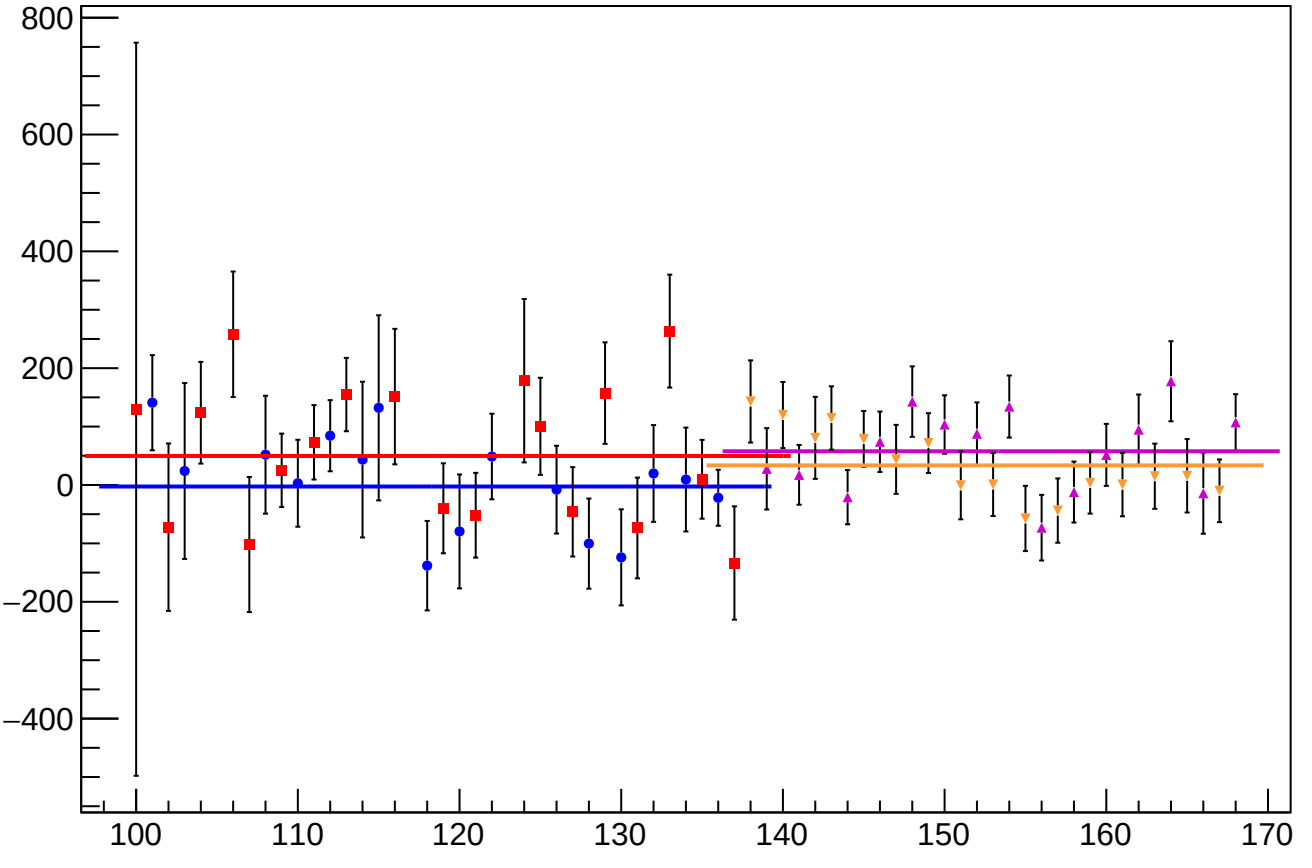
Left: 373.123+/-0.054 χ^2/NDF: 1472766.2/30

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 405.773+/-0.067 χ^2/NDF:2358723.0/30

Out: 412.547+/-0.067 χ^2/NDF:2441706.0/34

All: 409.141+/-0.048 χ^2/NDF: 4805498.8/65



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 33.563+/-14.036 χ^2/NDF:15.8/15

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 57.713+/-14.190 χ^2/NDF:21.8/14

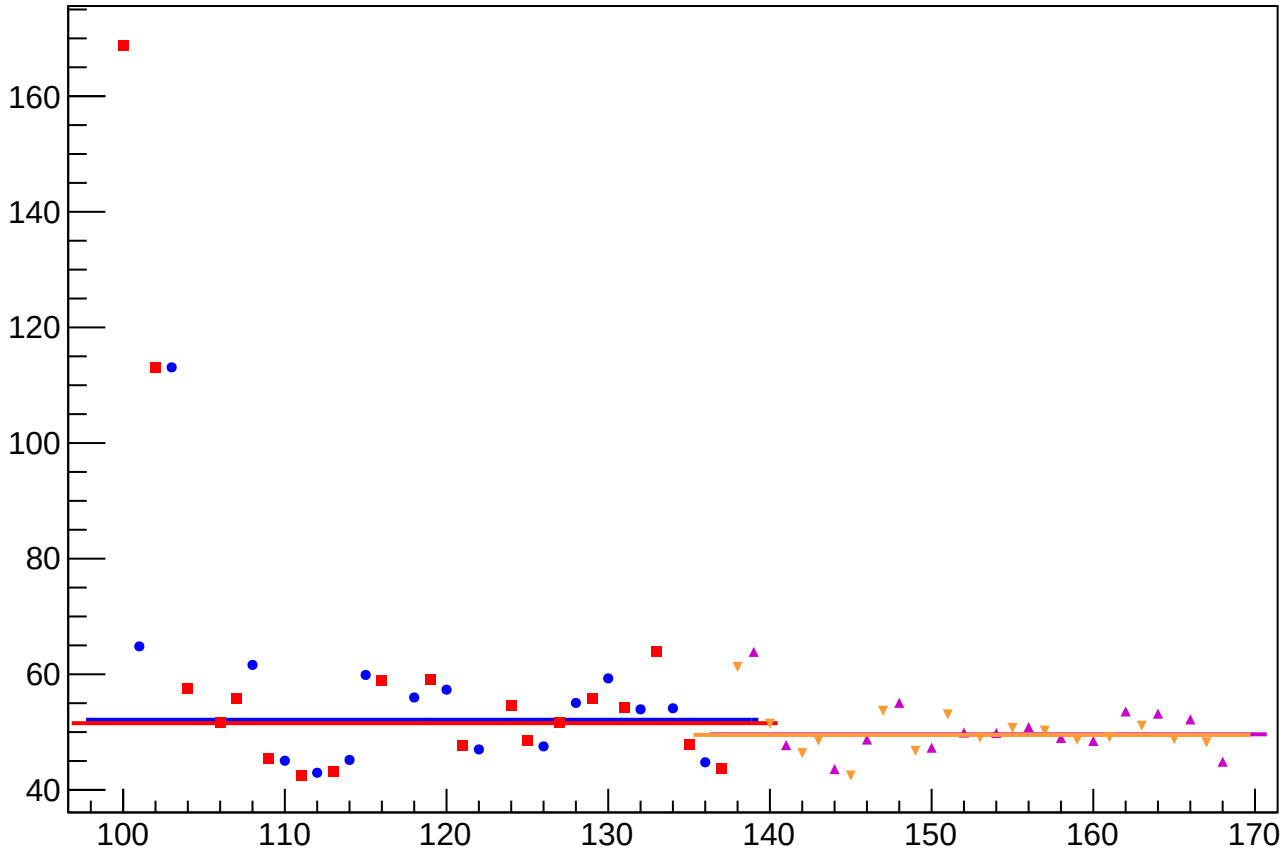
Left: 45.506+/-9.979 χ^2/NDF: 39.0/30

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.505+/-11.572 χ^2/NDF:42.4/30

Out: 39.023+/-11.416 χ^2/NDF:45.5/34

All: 38.274+/-8.127 χ^2/NDF: 87.9/65



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.516+/-0.010 χ^2/NDF:134540.3/15

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.614+/-0.010 χ^2/NDF:179710.6/14

Left: 49.564+/-0.007 χ^2/NDF: 314299.3/30

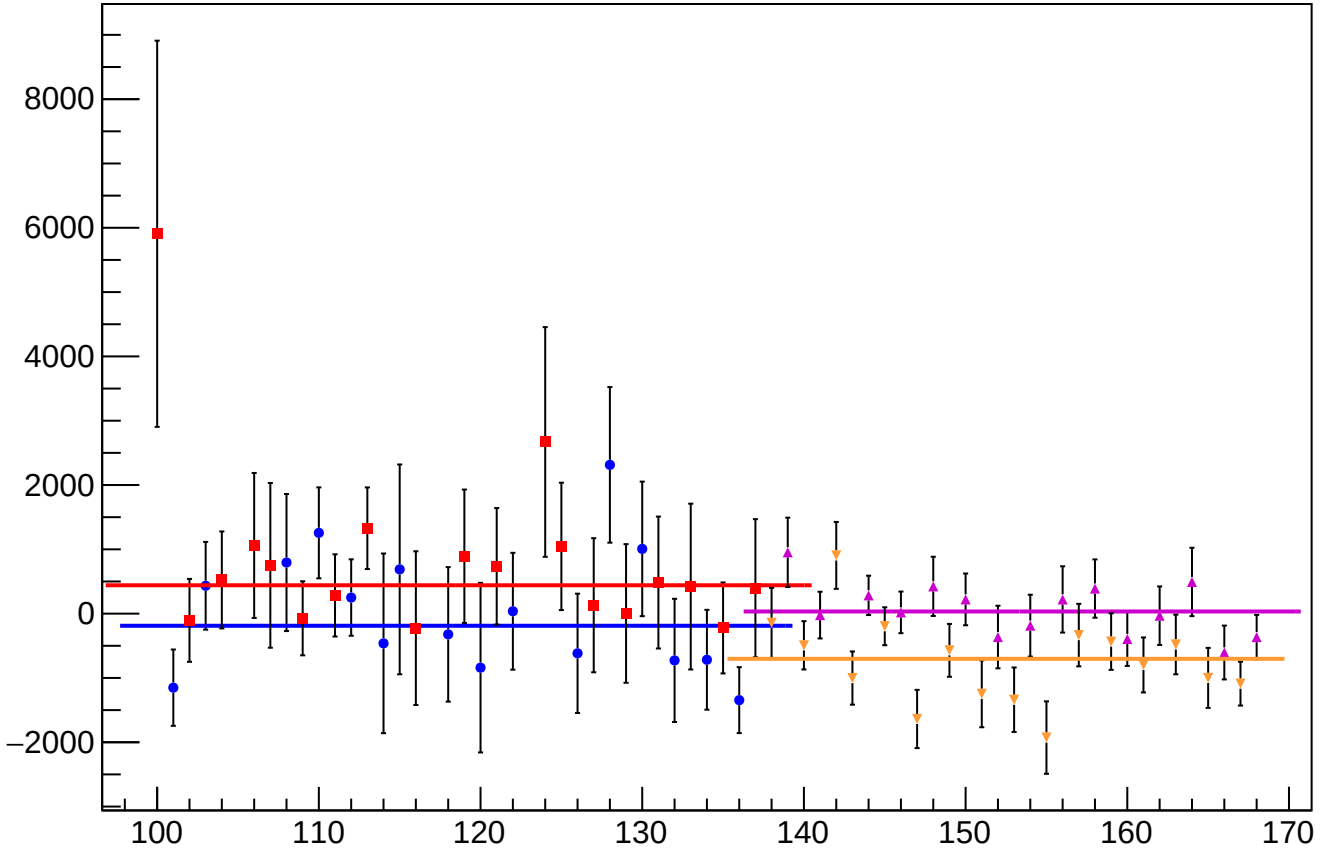
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.456+/-0.008 χ^2/NDF:763668.5/30

Out: 50.201+/-0.008 χ^2/NDF:788399.9/34

All: 50.327+/-0.006 χ^2/NDF: 1552562.0/65

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: -702.521+/-107.933 χ^2/NDF:29.1/15

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 33.519+/-106.913 χ^2/NDF:11.6/14

Left: -331.004+/-75.957 χ^2/NDF: 64.2/30

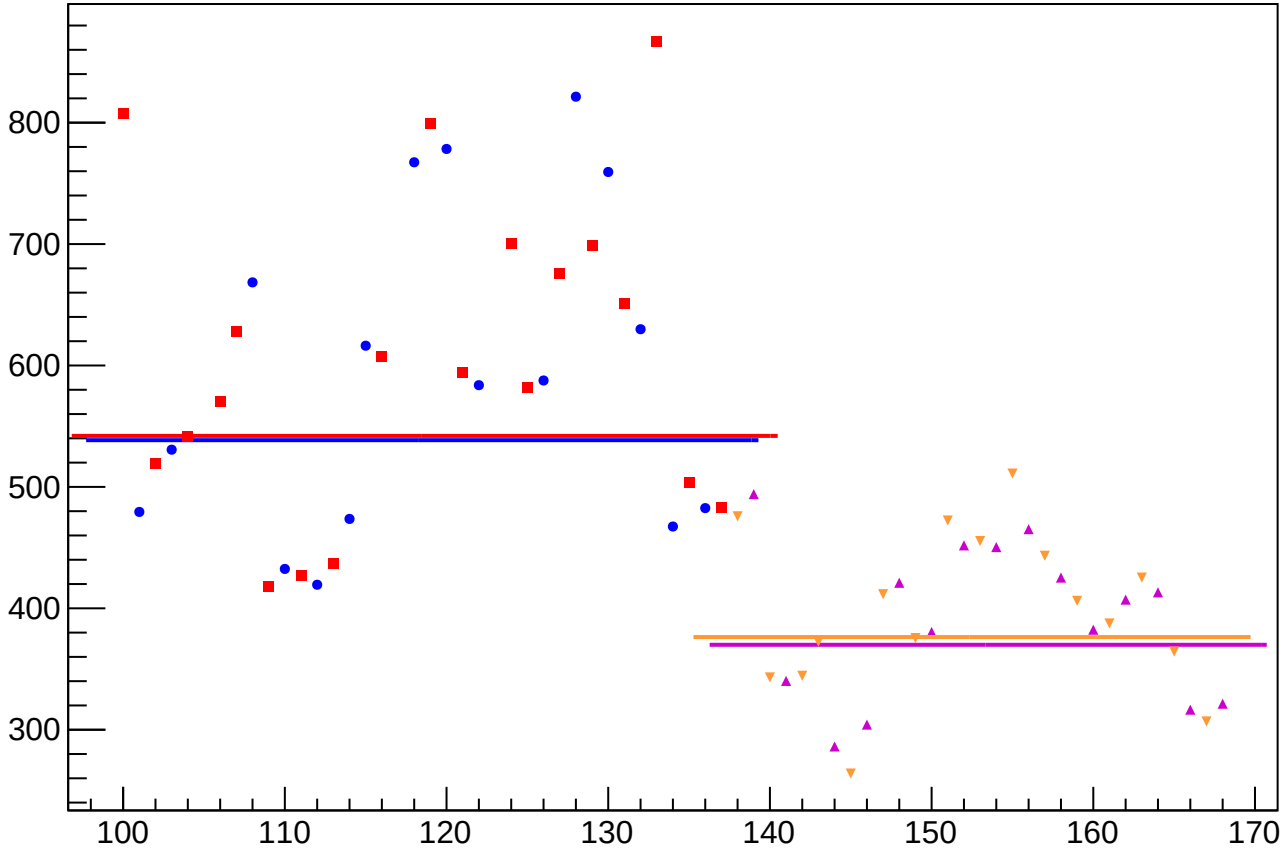
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -13.669+/-94.875 χ^2/NDF:33.9/30

Out: -452.599+/-95.414 χ^2/NDF:64.5/34

All: -231.891+/-67.277 χ^2/NDF: 109.1/65

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: 376.342+/-0.076 χ^2/NDF:780299.6/15

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 369.965+/-0.076 χ^2/NDF:688942.4/14

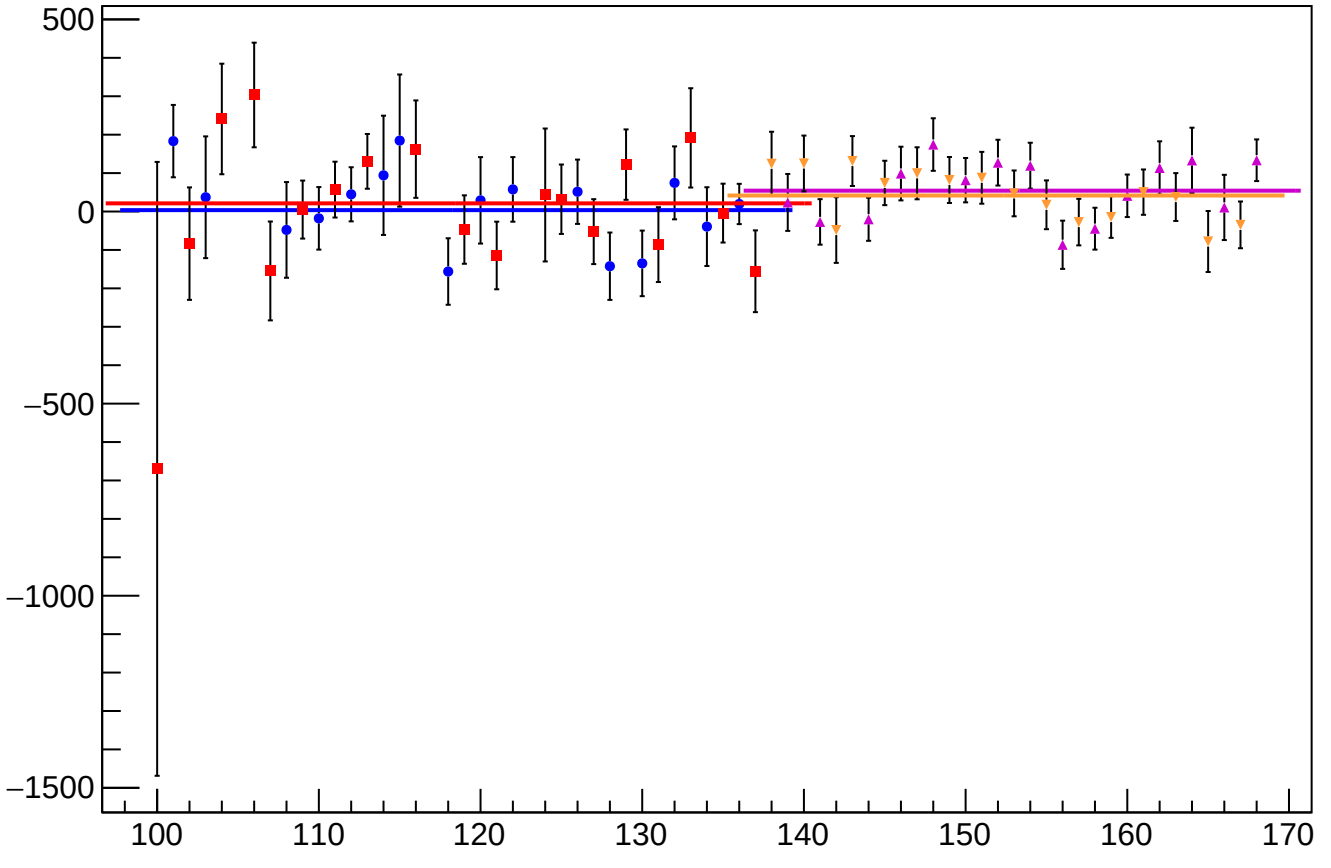
Left: 373.123+/-0.054 χ^2/NDF: 1472766.2/30

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 405.773+/-0.067 χ^2/NDF:2358723.0/30

Out: 412.547+/-0.067 χ^2/NDF:2441706.0/34

All: 409.141+/-0.048 χ^2/NDF: 4805498.8/65



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 41.678+/-16.136 χ^2/NDF:13.7/15

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 54.269+/-16.205 χ^2/NDF:22.6/14

Left: 47.947+/-11.434 χ^2/NDF: 36.6/30

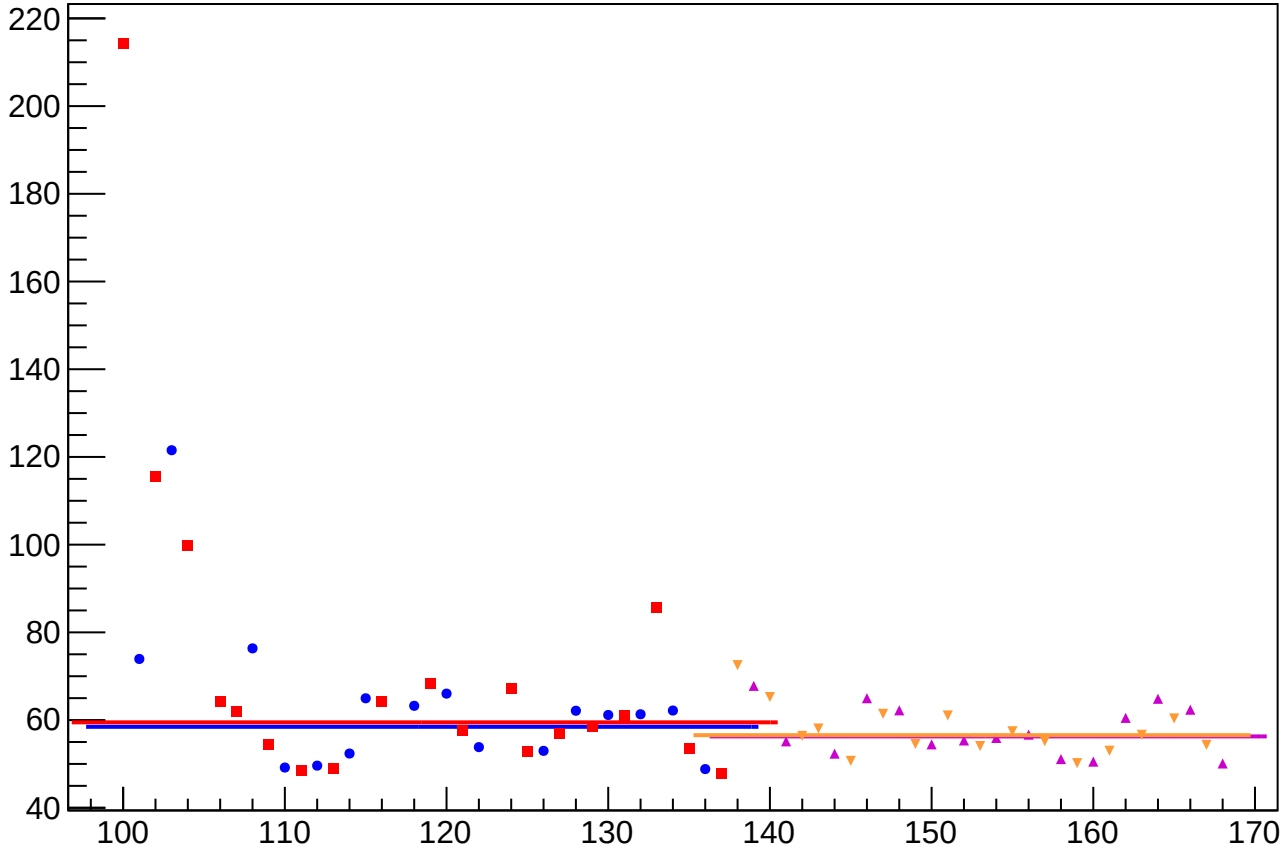
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.942+/-13.145 χ^2/NDF:42.1/30

Out: 34.849+/-13.165 χ^2/NDF:38.6/34

All: 35.897+/-9.302 χ^2/NDF: 80.7/65

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.557+/-0.011 χ^2/NDF:192178.4/15

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.274+/-0.011 χ^2/NDF:211309.9/14

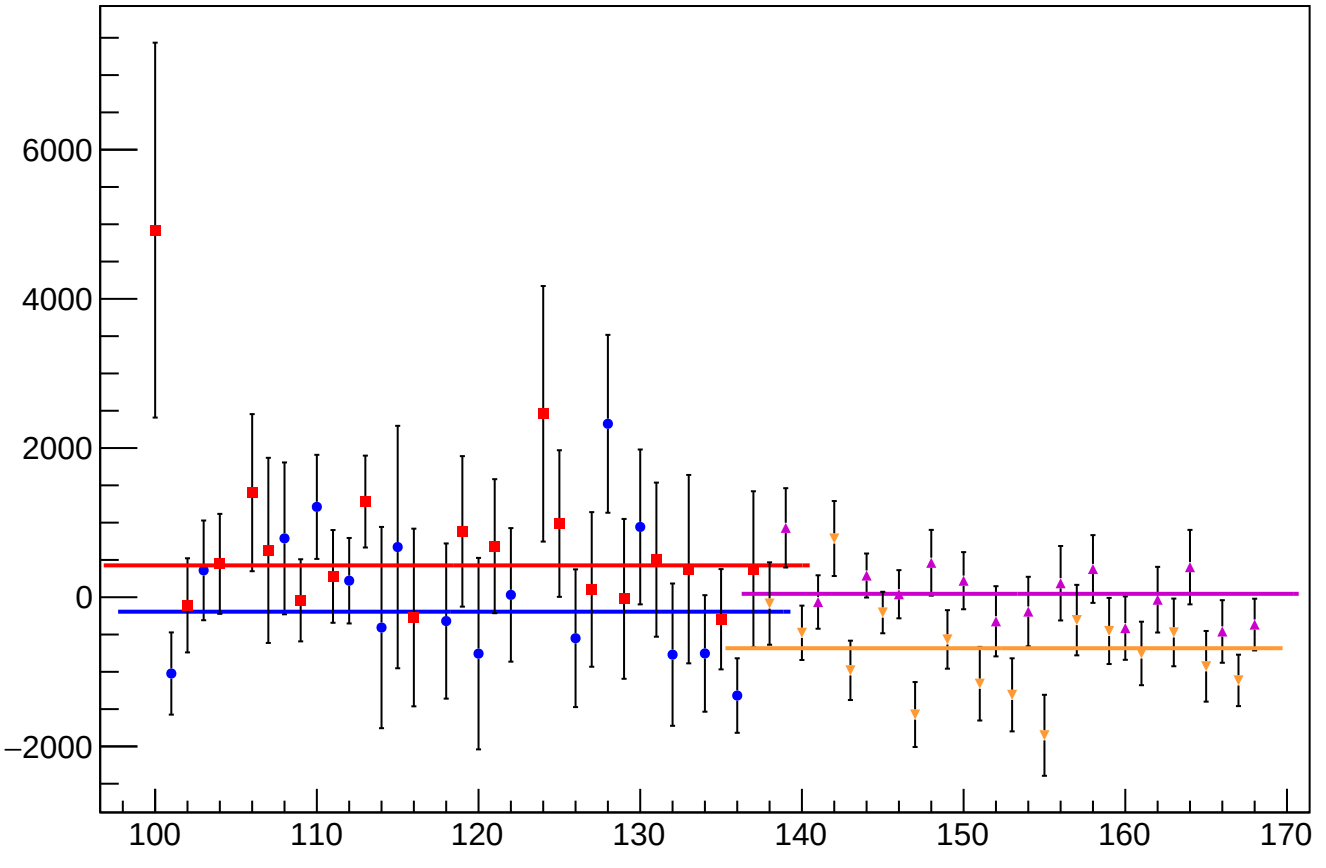
Left: 56.416+/-0.008 χ^2/NDF: 403794.7/30

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.023+/-0.009 χ^2/NDF:806799.7/30

Out: 57.536+/-0.009 χ^2/NDF:999058.5/34

All: 57.279+/-0.007 χ^2/NDF: 1807374.8/65



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -683.443+/-105.258 χ^2/NDF:28.0/15

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 45.775+/-104.797 χ^2/NDF:10.7/14

Left: -317.233+/-74.265 χ^2/NDF: 62.8/30

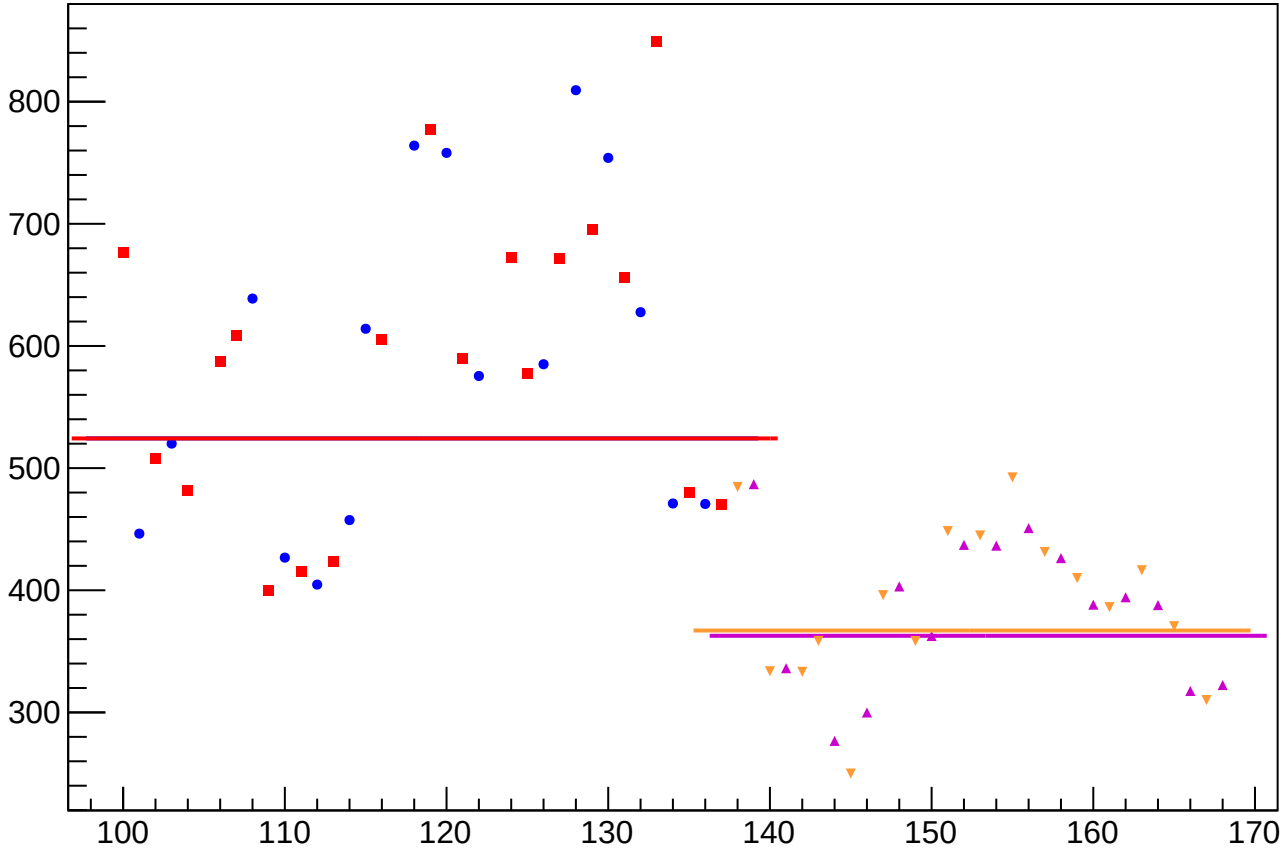
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -5.611+/-92.886 χ^2/NDF:32.6/30

Out: -436.848+/-92.838 χ^2/NDF:64.0/34

All: -221.341+/-65.663 χ^2/NDF: 107.4/65

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 367.052+/-0.074 χ^2/NDF:831464.6/15

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 362.736+/-0.074 χ^2/NDF:657025.1/14

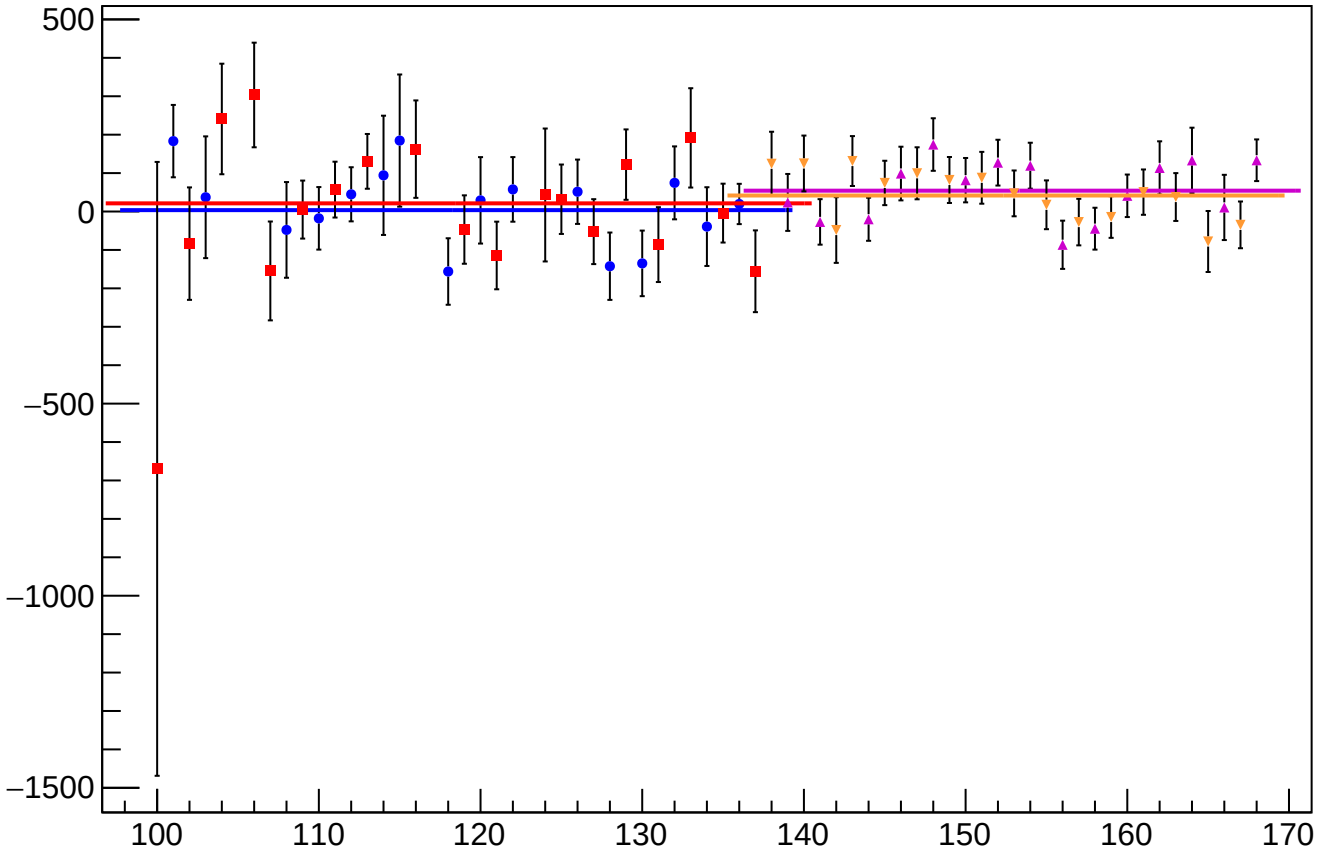
Left: 364.884+/-0.053 χ^2/NDF: 1490178.0/30

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 397.381+/-0.066 χ^2/NDF:2335005.0/30

Out: 401.974+/-0.066 χ^2/NDF:2508862.9/34

All: 399.679+/-0.046 χ^2/NDF: 4846314.0/65



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 41.679+/-16.136 χ^2/NDF:13.7/15

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 54.269+/-16.205 χ^2/NDF:22.6/14

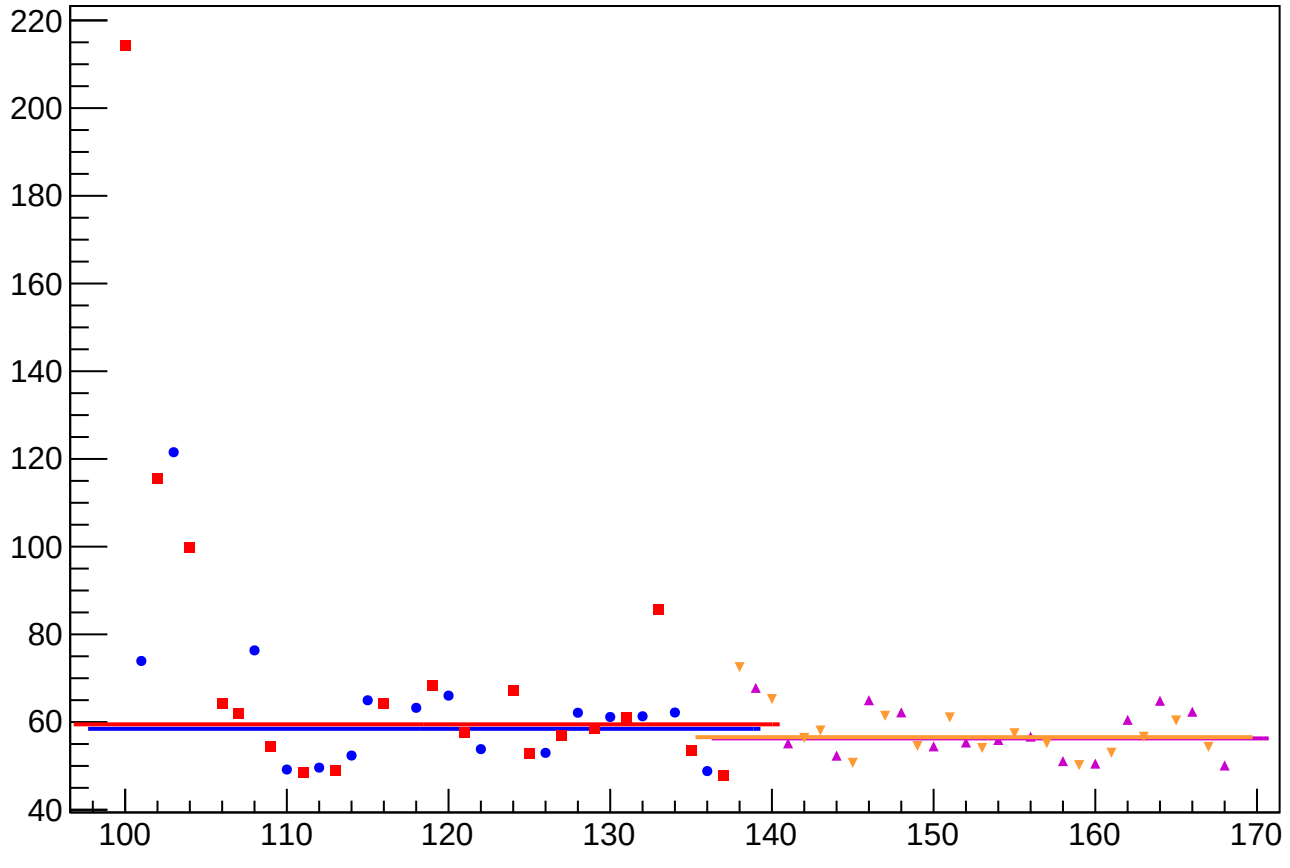
Left: 47.947+/-11.434 χ^2/NDF: 36.6/30

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.942+/-13.145 χ^2/NDF:42.1/30

Out: 34.849+/-13.165 χ^2/NDF:38.6/34

All: 35.897+/-9.302 χ^2/NDF: 80.7/65



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.557+/-0.011 χ^2/NDF:192183.3/15

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.274+/-0.011 χ^2/NDF:211312.8/14

Left: 56.416+/-0.008 χ^2/NDF: 403802.6/30

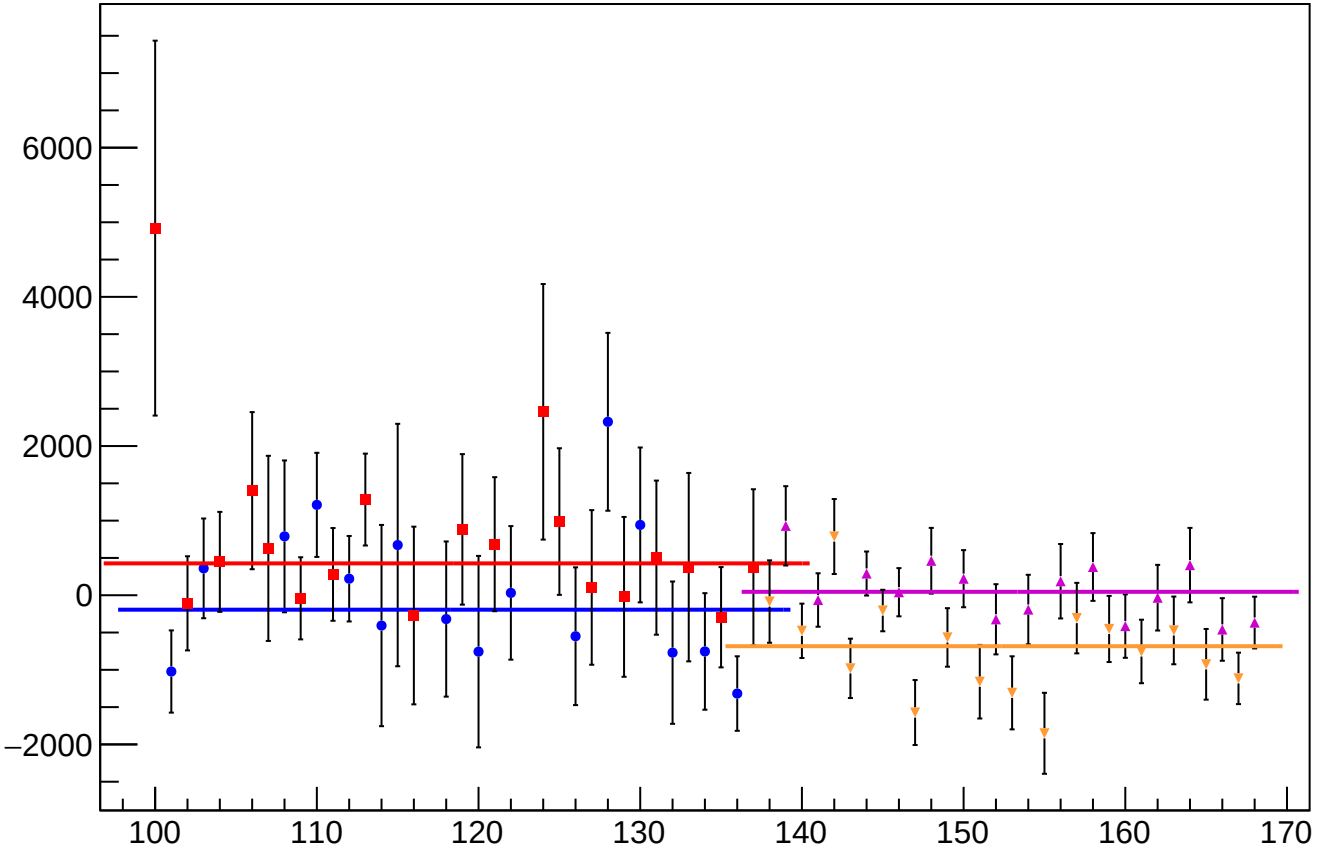
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.024+/-0.009 χ^2/NDF:806798.6/30

Out: 57.536+/-0.009 χ^2/NDF:999063.0/34

All: 57.279+/-0.007 χ^2/NDF: 1807378.3/65

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: -683.443+/-105.258 χ^2/NDF:28.0/15

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 45.775+/-104.797 χ^2/NDF:10.7/14

Left: -317.233+/-74.265 χ^2/NDF: 62.8/30

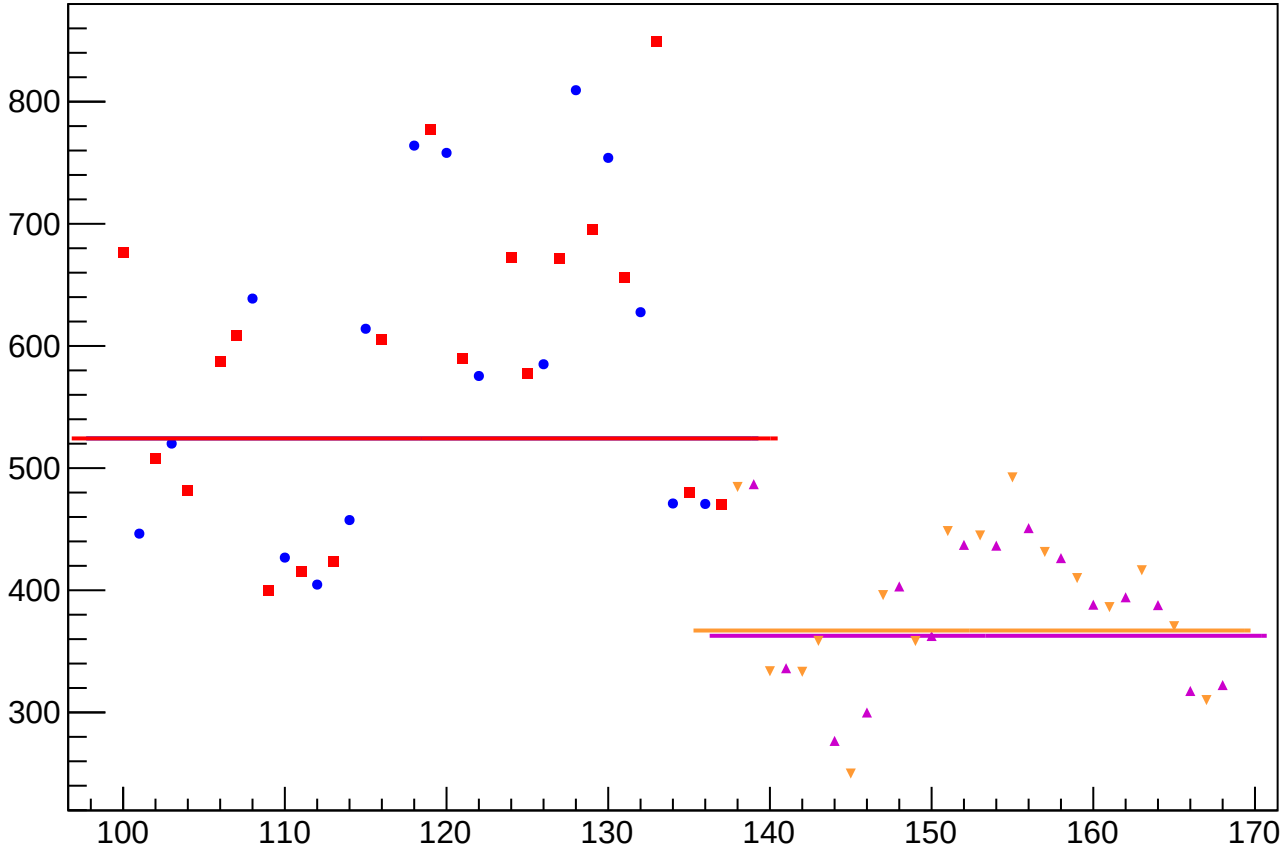
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -5.611+/-92.886 χ^2/NDF:32.6/30

Out: -436.848+/-92.838 χ^2/NDF:64.0/34

All: -221.341+/-65.663 χ^2/NDF: 107.4/65

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: 367.051+/-0.074 χ^2/NDF:831461.6/15

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 362.736+/-0.074 χ^2/NDF:657022.0/14

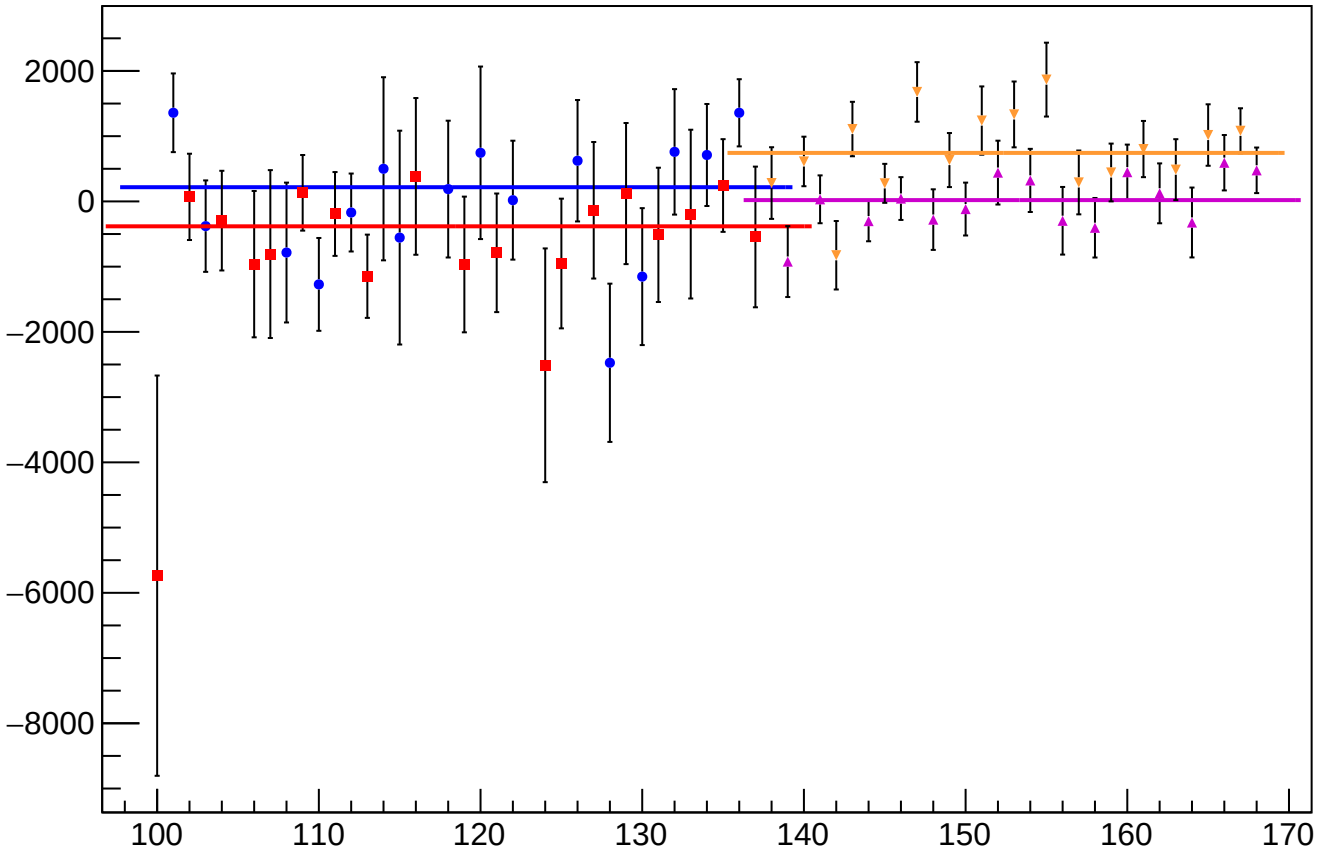
Left: 364.884+/-0.053 χ^2/NDF: 1490171.8/30

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 397.381+/-0.066 χ^2/NDF:2335001.3/30

Out: 401.973+/-0.066 χ^2/NDF:2508856.4/34

All: 399.678+/-0.046 χ^2/NDF: 4846303.9/65



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 743.505+/-108.933 χ^2/NDF:26.4/15

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: 19.940+/-107.940 χ^2/NDF:12.0/14

Left: 378.409+/-76.674 χ^2/NDF: 60.6/30

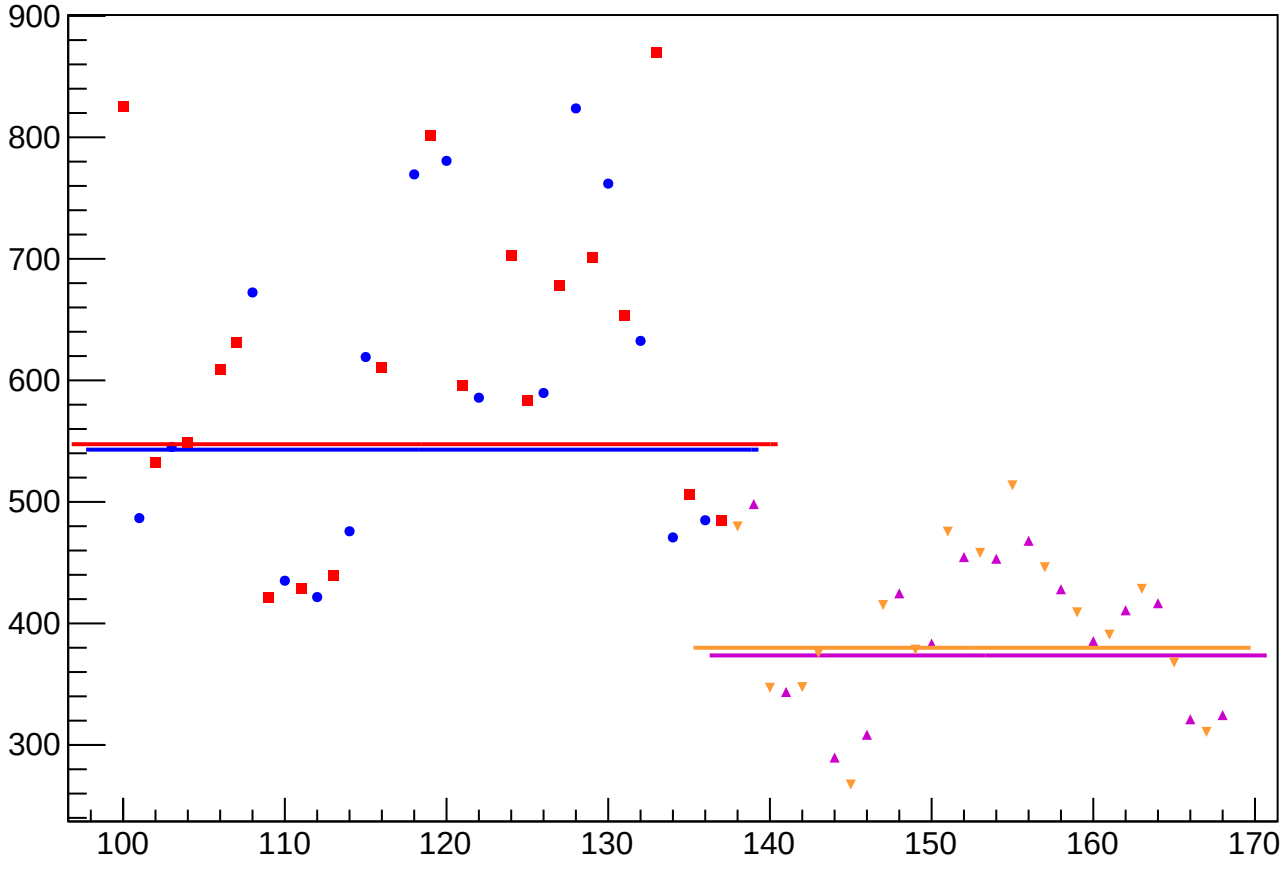
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 62.071+/-95.758 χ^2/NDF:35.6/30

Out: 496.814+/-96.256 χ^2/NDF:59.7/34

All: 278.316+/-67.886 χ^2/NDF: 105.6/65

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 379.986+/-0.077 χ^2/NDF:760155.7/15

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 373.670+/-0.076 χ^2/NDF:671620.9/14

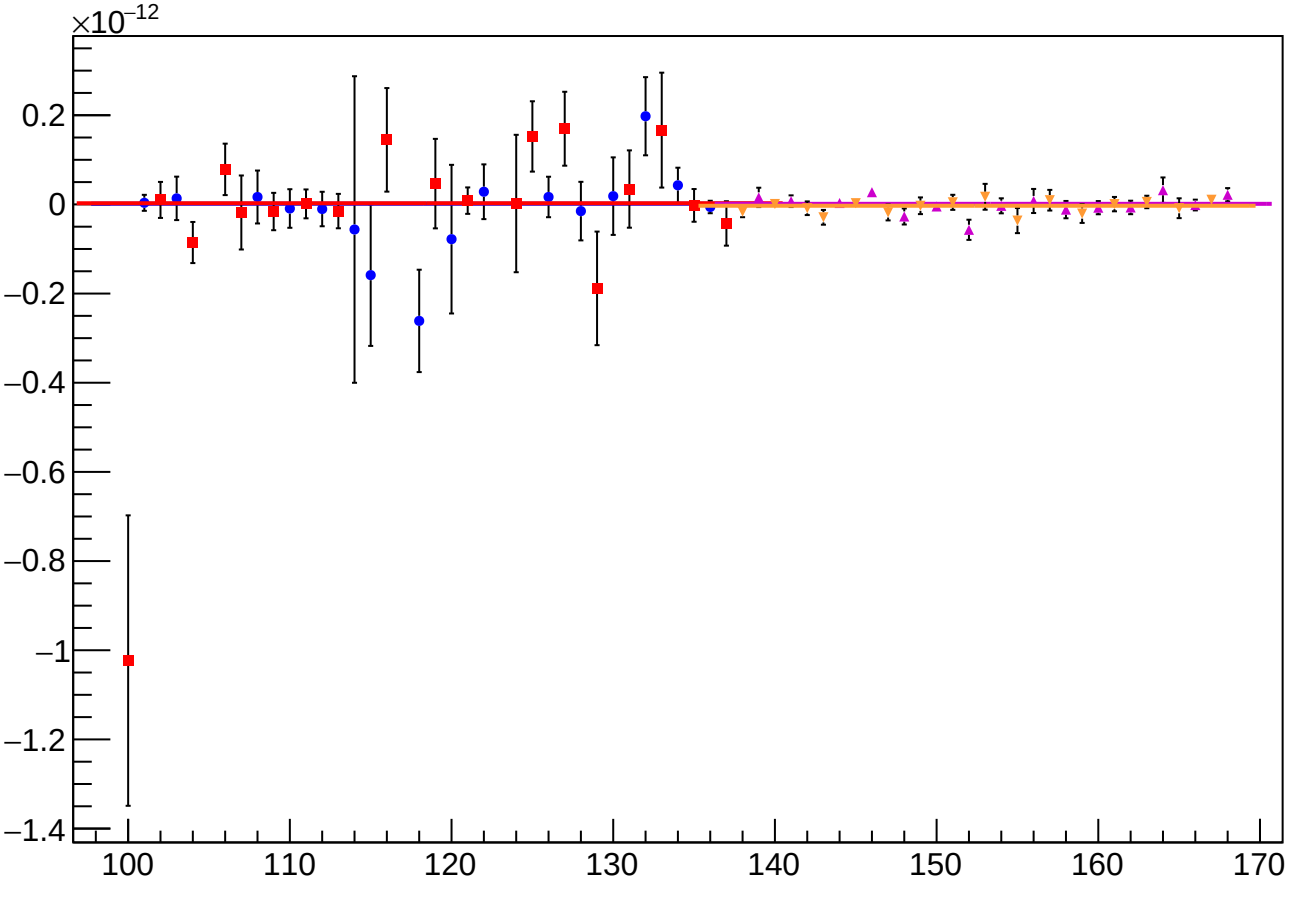
Left: 376.799+/-0.054 χ^2/NDF: 1435170.1/30

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 409.734+/-0.068 χ^2/NDF:2325129.8/30

Out: 416.700+/-0.068 χ^2/NDF:2426761.9/34

All: 413.199+/-0.048 χ^2/NDF: 4757156.9/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/14

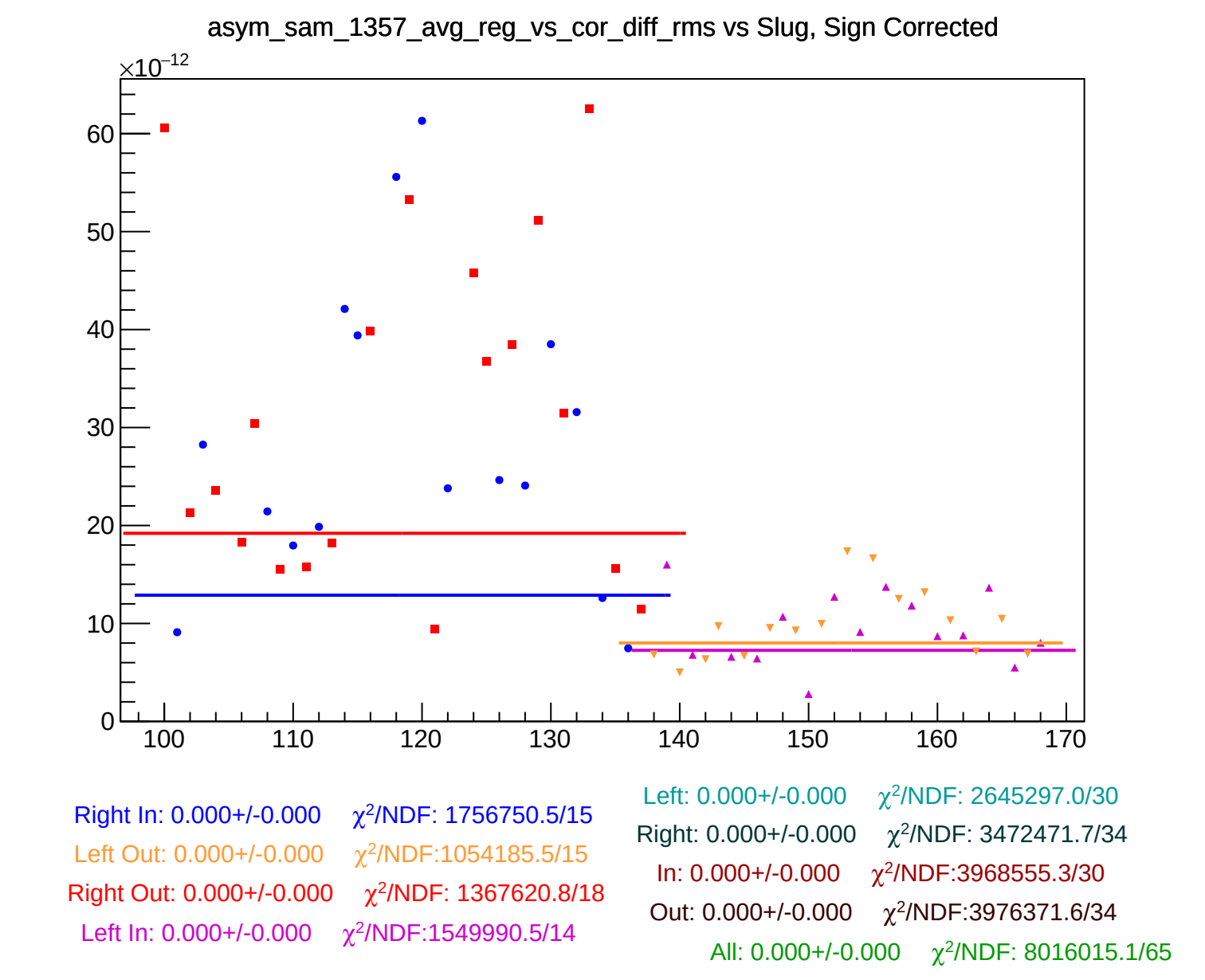
Left: -0.000+/-0.000 χ^2/NDF: 30.7/30

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

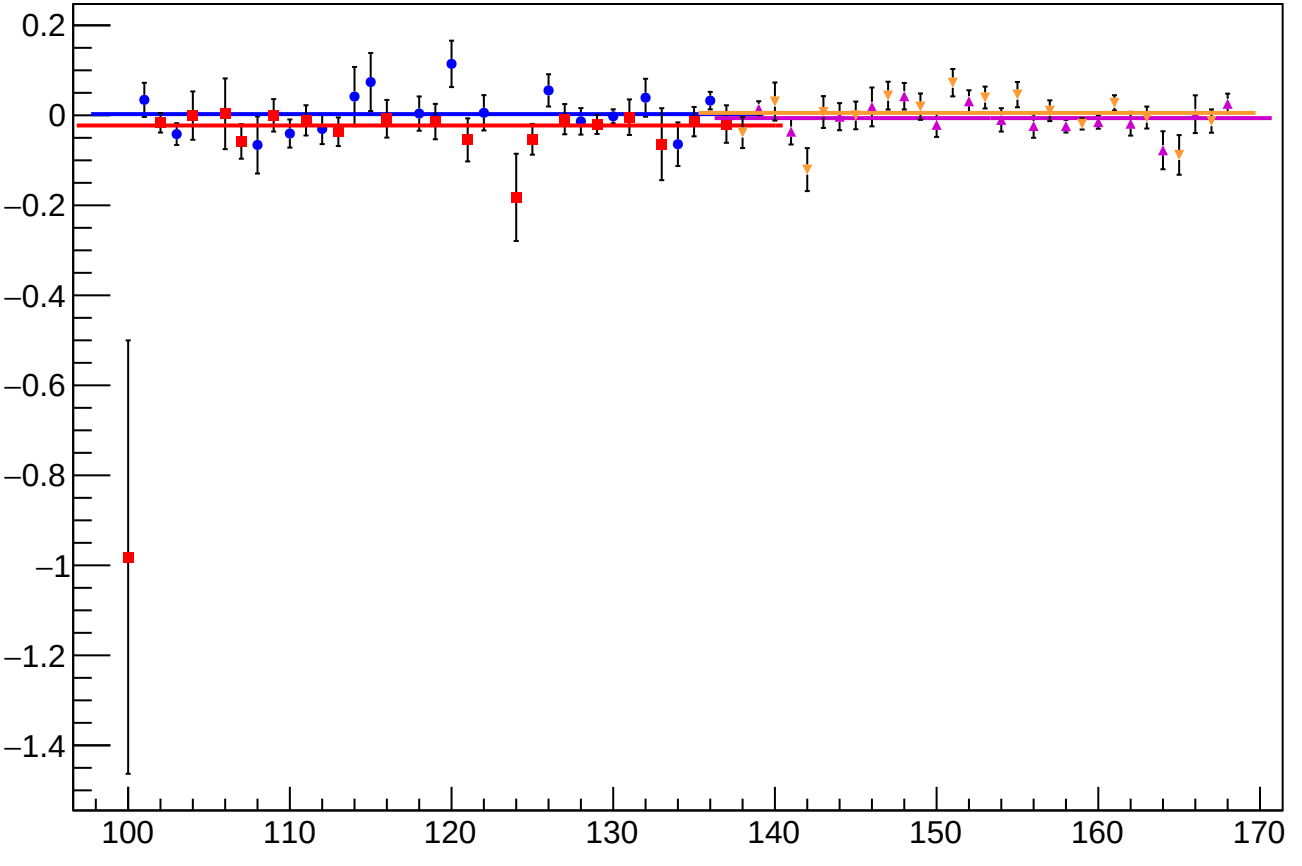
In: 0.000+/-0.000 χ^2/NDF:33.6/30

Out: -0.000+/-0.000 χ^2/NDF:40.2/34

All: -0.000+/-0.000 χ^2/NDF: 74.5/65


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1054185.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1549990.5/14
Left: 0.000+/-0.000 χ²/NDF: 2645297.0/30
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3968555.3/30
Out: 0.000+/-0.000 χ²/NDF:3976371.6/34
All: 0.000+/-0.000 χ²/NDF: 8016015.1/65

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: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/14

Left: -0.001+/-0.004 χ^2/NDF: 47.8/30

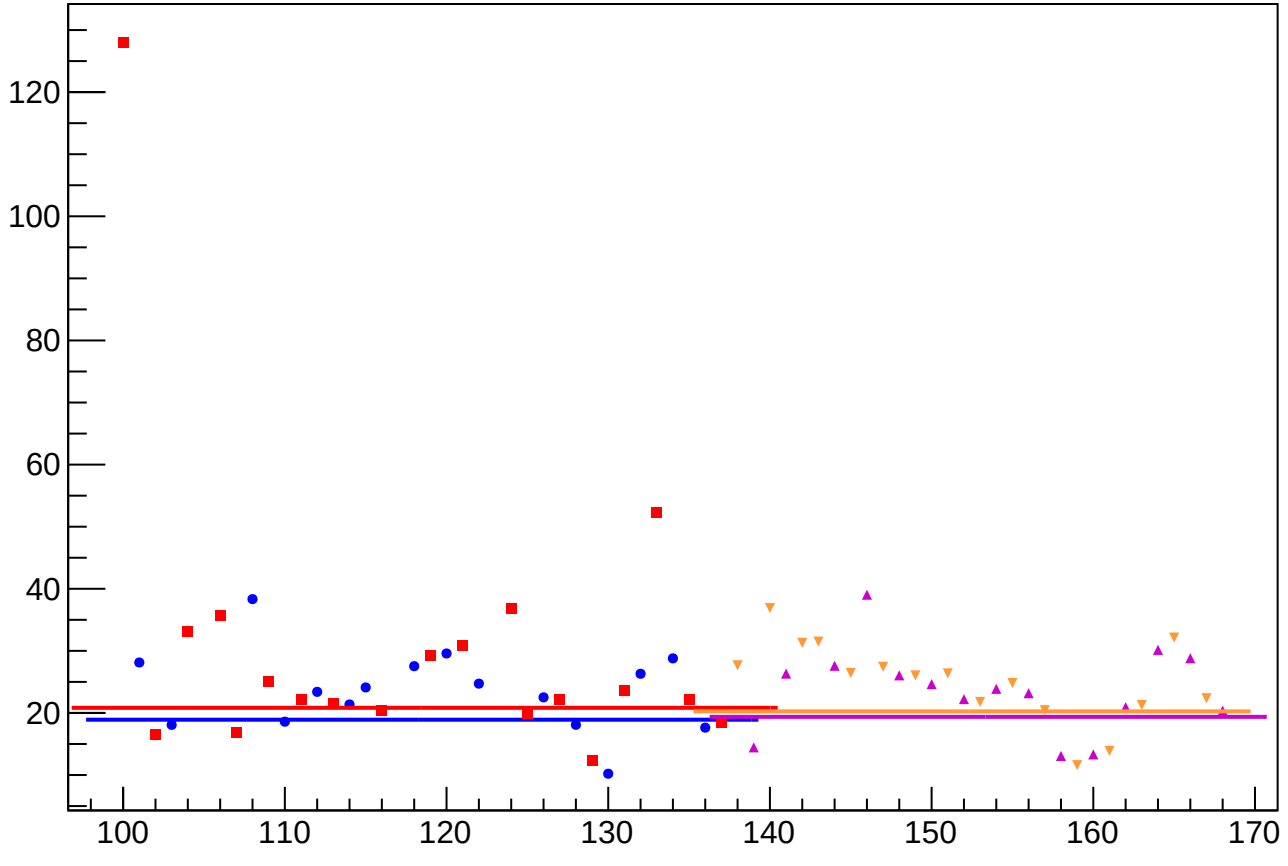
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/30

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.003 χ^2/NDF: 86.7/65

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.372+/-0.004 χ^2/NDF:2131138.8/14

Left: 19.793+/-0.003 χ^2/NDF: 4655223.7/30

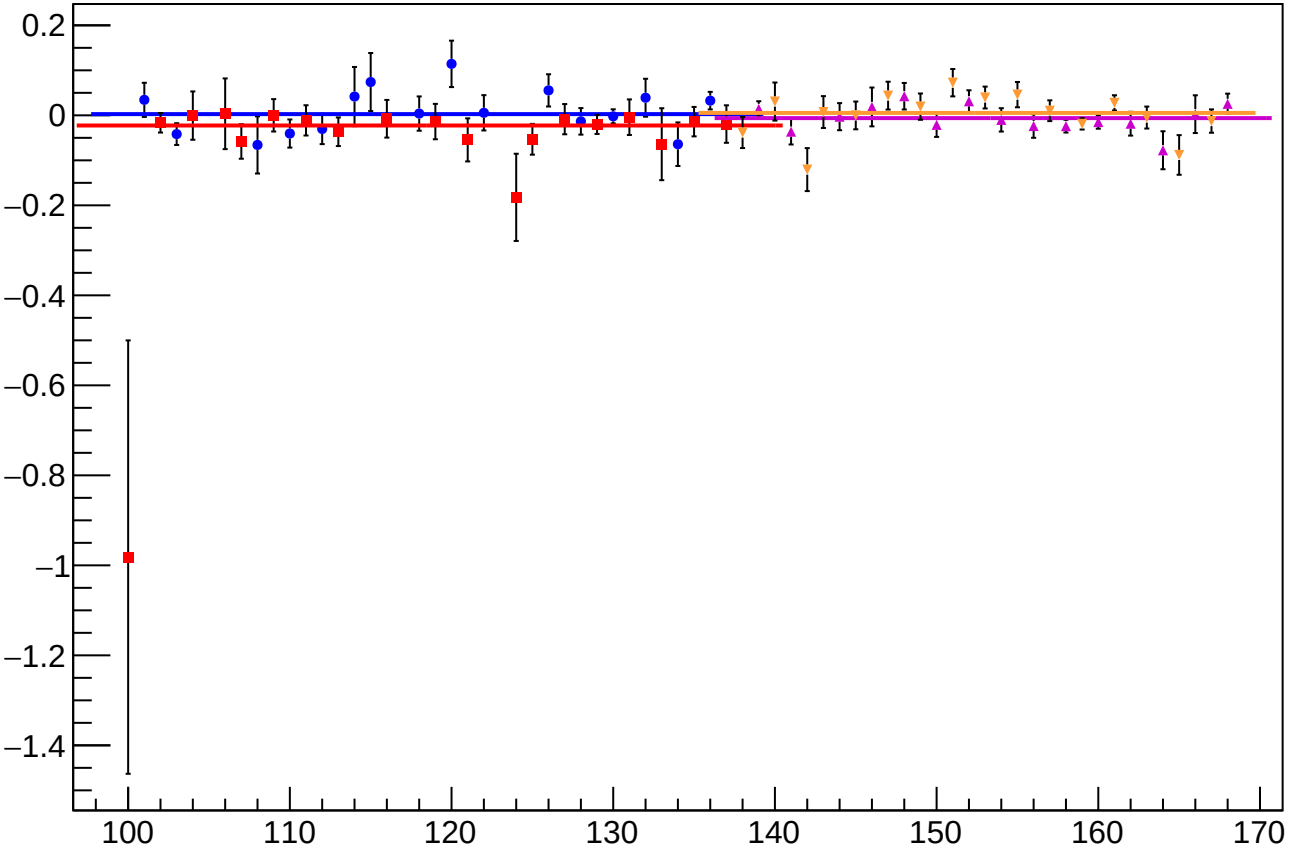
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.200+/-0.003 χ^2/NDF:3525847.9/30

Out: 20.458+/-0.004 χ^2/NDF:3801097.7/34

All: 19.793+/-0.002 χ^2/NDF: 7392562.7/65

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/14

Left: -0.001+/-0.004 χ^2/NDF: 47.8/30

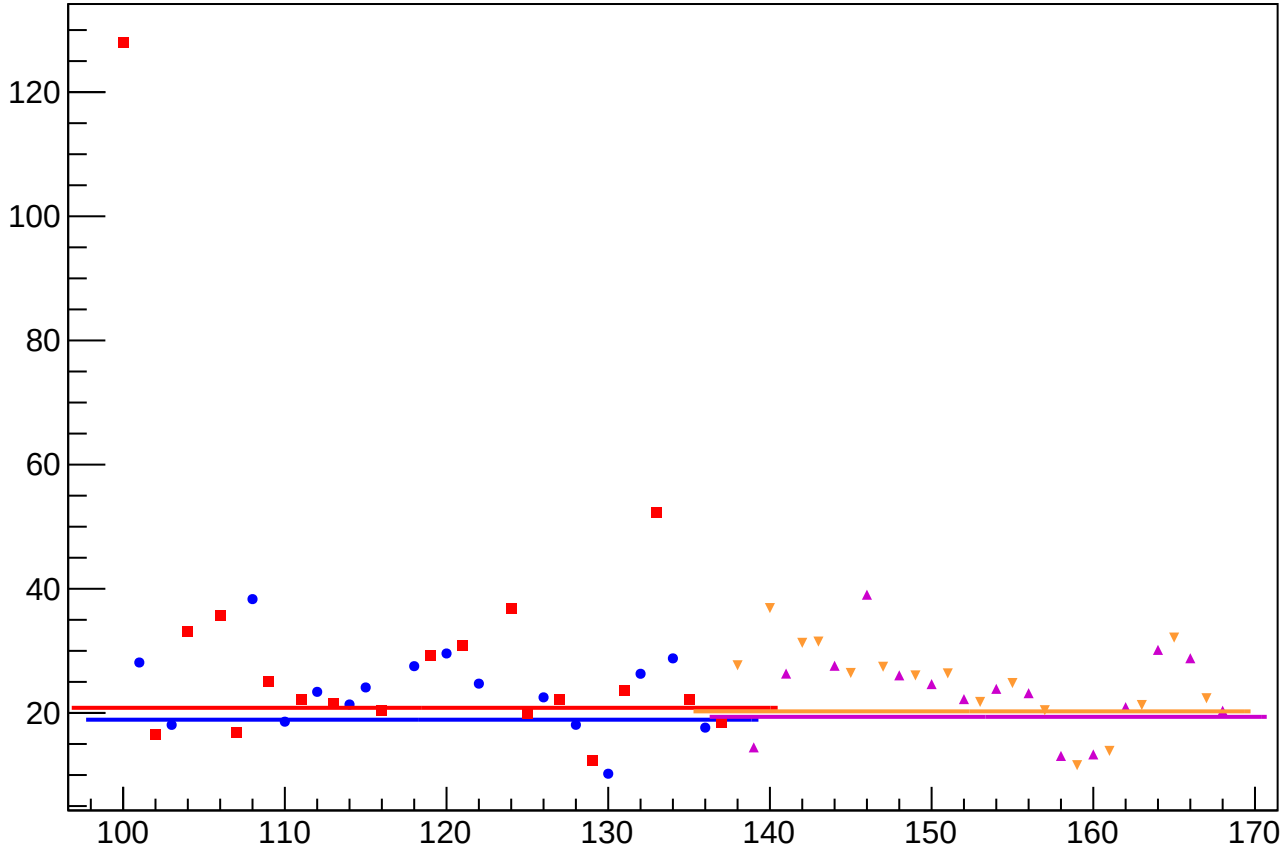
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/30

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.003 χ^2/NDF: 86.7/65

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503634.5/15

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.372+/-0.004 χ^2/NDF:2131138.8/14

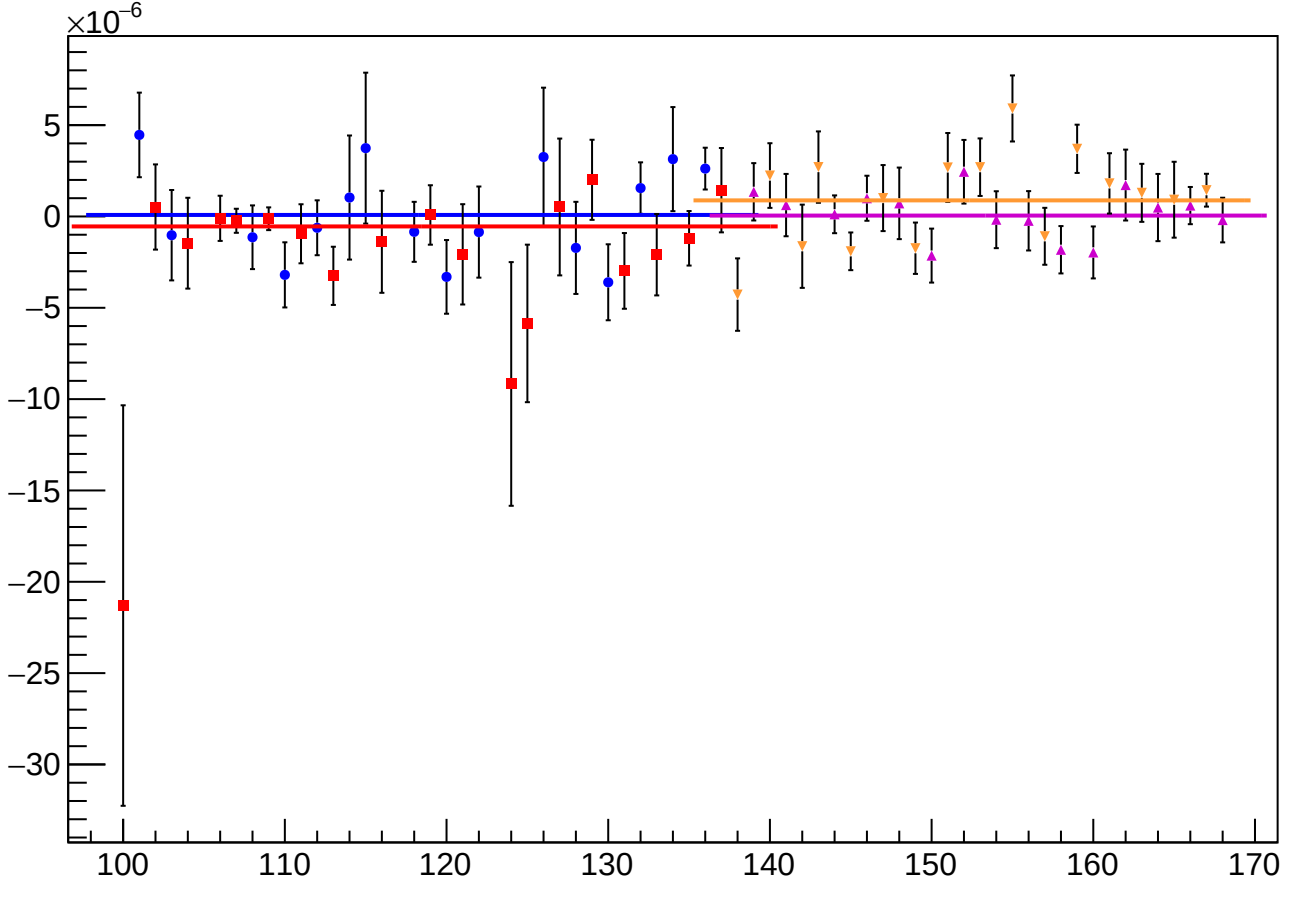
Left: 19.793+/-0.003 χ^2/NDF: 4655223.7/30

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.200+/-0.003 χ^2/NDF:3525847.9/30

Out: 20.458+/-0.004 χ^2/NDF:3801097.7/34

All: 19.793+/-0.002 χ^2/NDF: 7392562.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/14

Left: 0.000+/-0.000 χ^2/NDF: 50.5/30

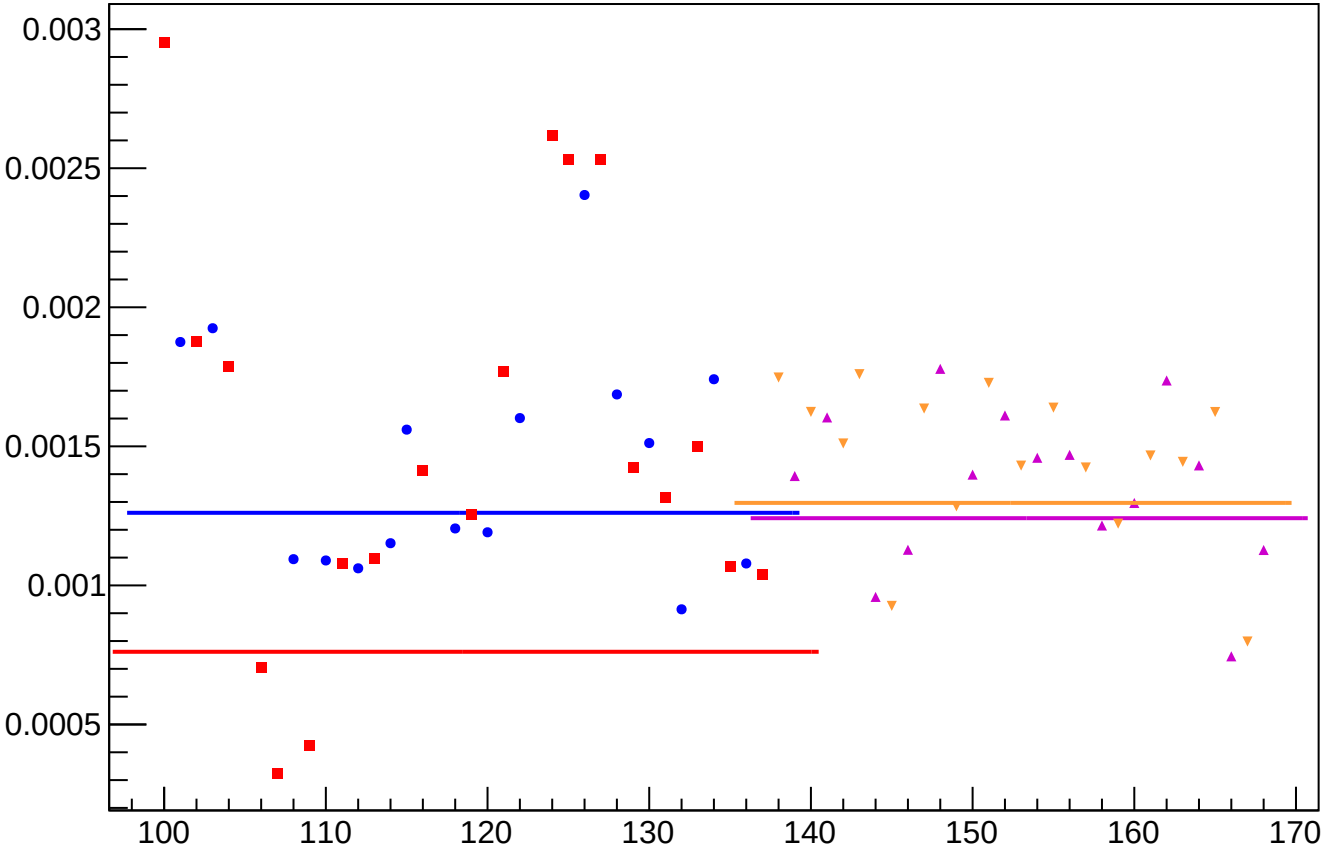
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.4/30

Out: 0.000+/-0.000 χ^2/NDF:60.7/34

All: 0.000+/-0.000 χ^2/NDF: 95.1/65

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:1543662.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1264412.8/14

Left: 0.001+/-0.000 χ^2/NDF: 2829932.4/30

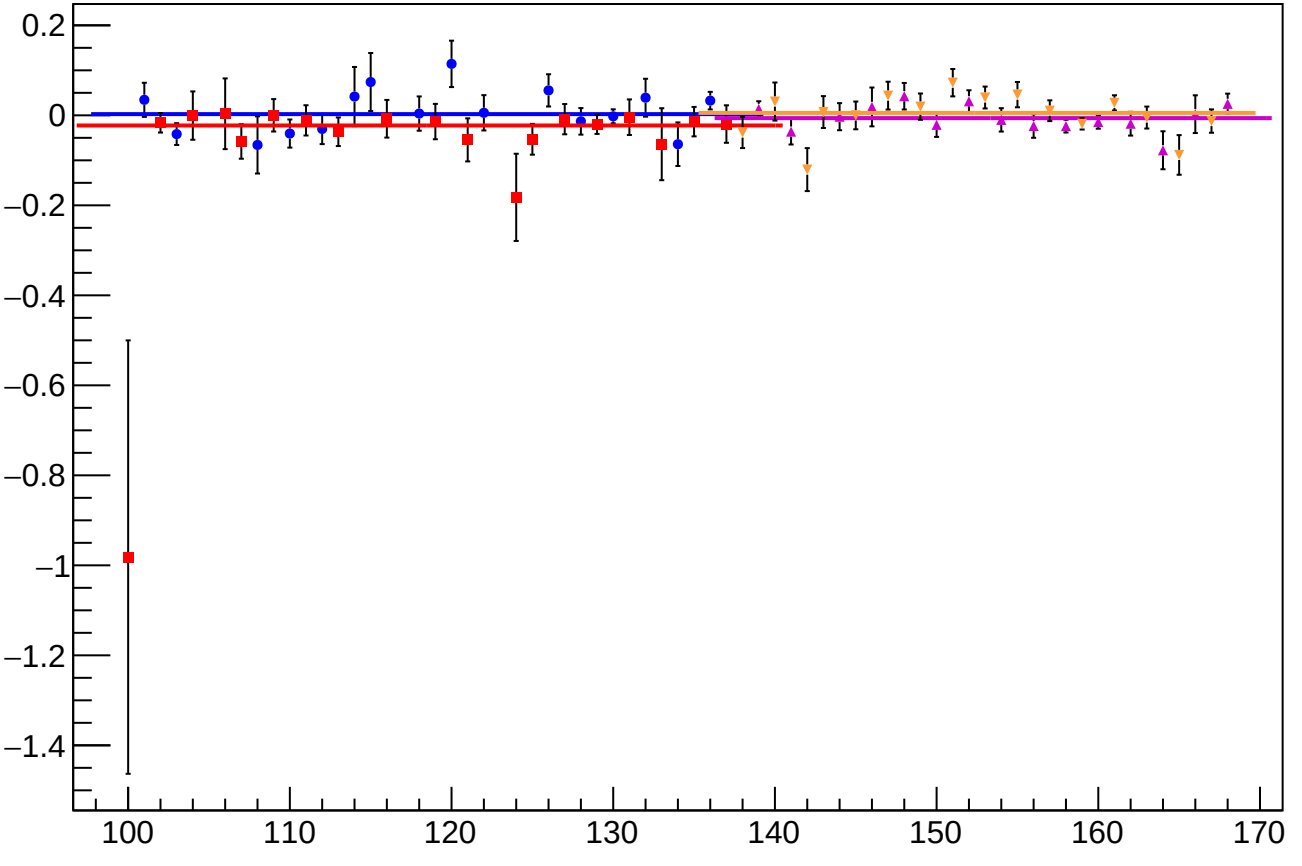
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2173772.7/30

Out: 0.001+/-0.000 χ^2/NDF:8441811.8/34

All: 0.001+/-0.000 χ^2/NDF: 11448922.7/65

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/14

Left: -0.001+/-0.004 χ^2/NDF: 47.8/30

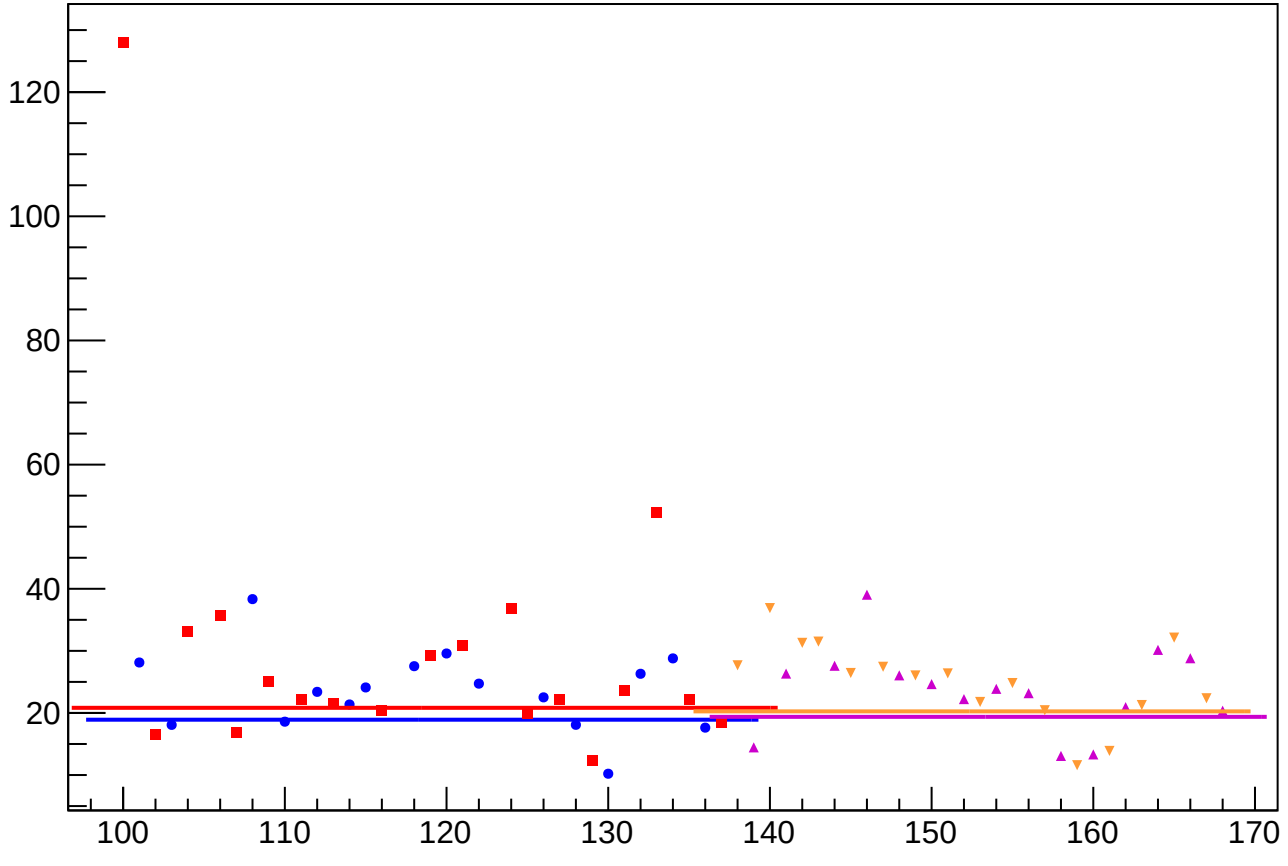
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/30

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.003 χ^2/NDF: 86.7/65

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/14

Left: 19.794+/-0.003 χ^2/NDF: 4655510.8/30

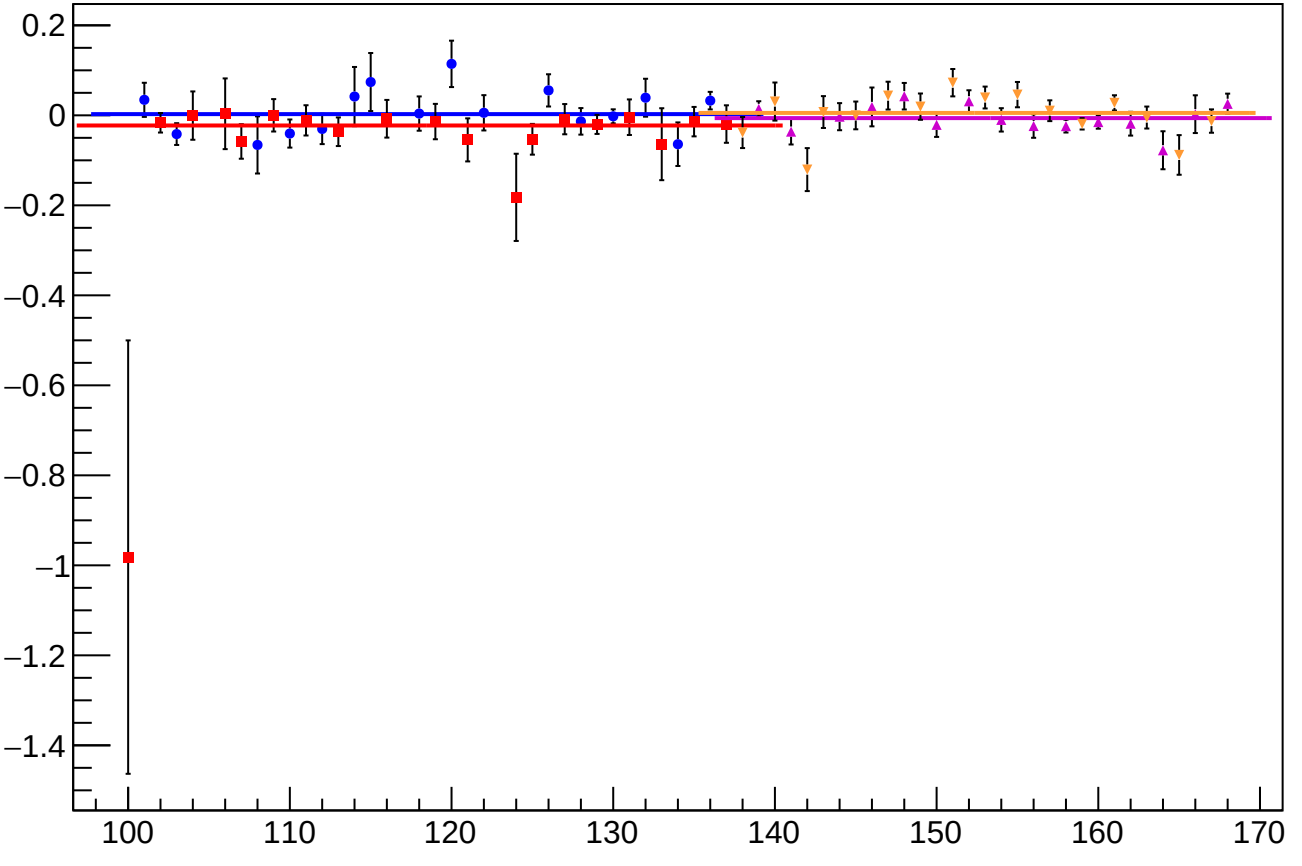
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.200+/-0.003 χ^2/NDF:3525823.6/30

Out: 20.458+/-0.004 χ^2/NDF:3801294.3/34

All: 19.794+/-0.002 χ^2/NDF: 7392717.5/65

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: 0.005+/-0.006 χ^2/NDF:30.3/15

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/14

Left: -0.001+/-0.004 χ^2/NDF: 47.8/30

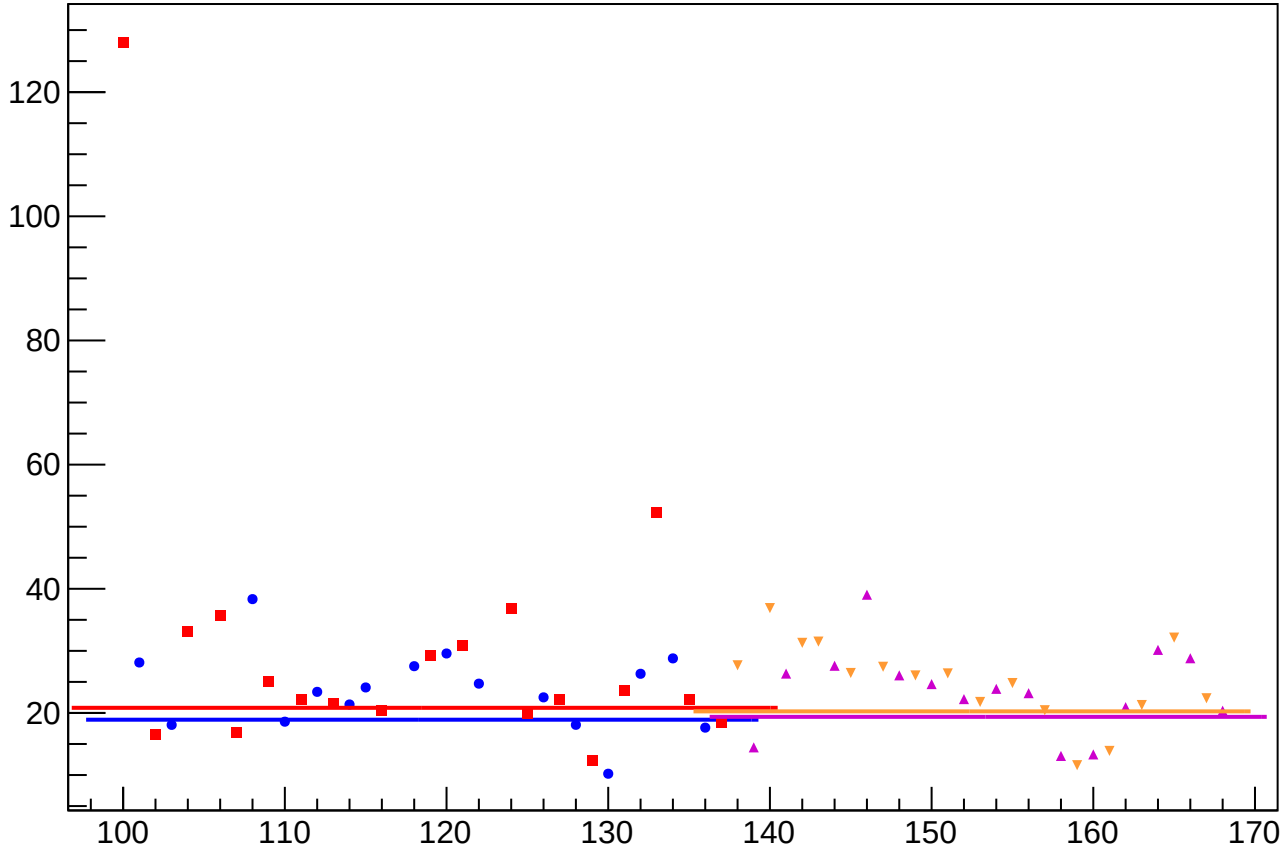
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/30

Out: -0.005+/-0.005 χ^2/NDF:48.1/34

All: -0.004+/-0.003 χ^2/NDF: 86.7/65

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.253+/-0.004 χ^2/NDF:2503831.6/15

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/14

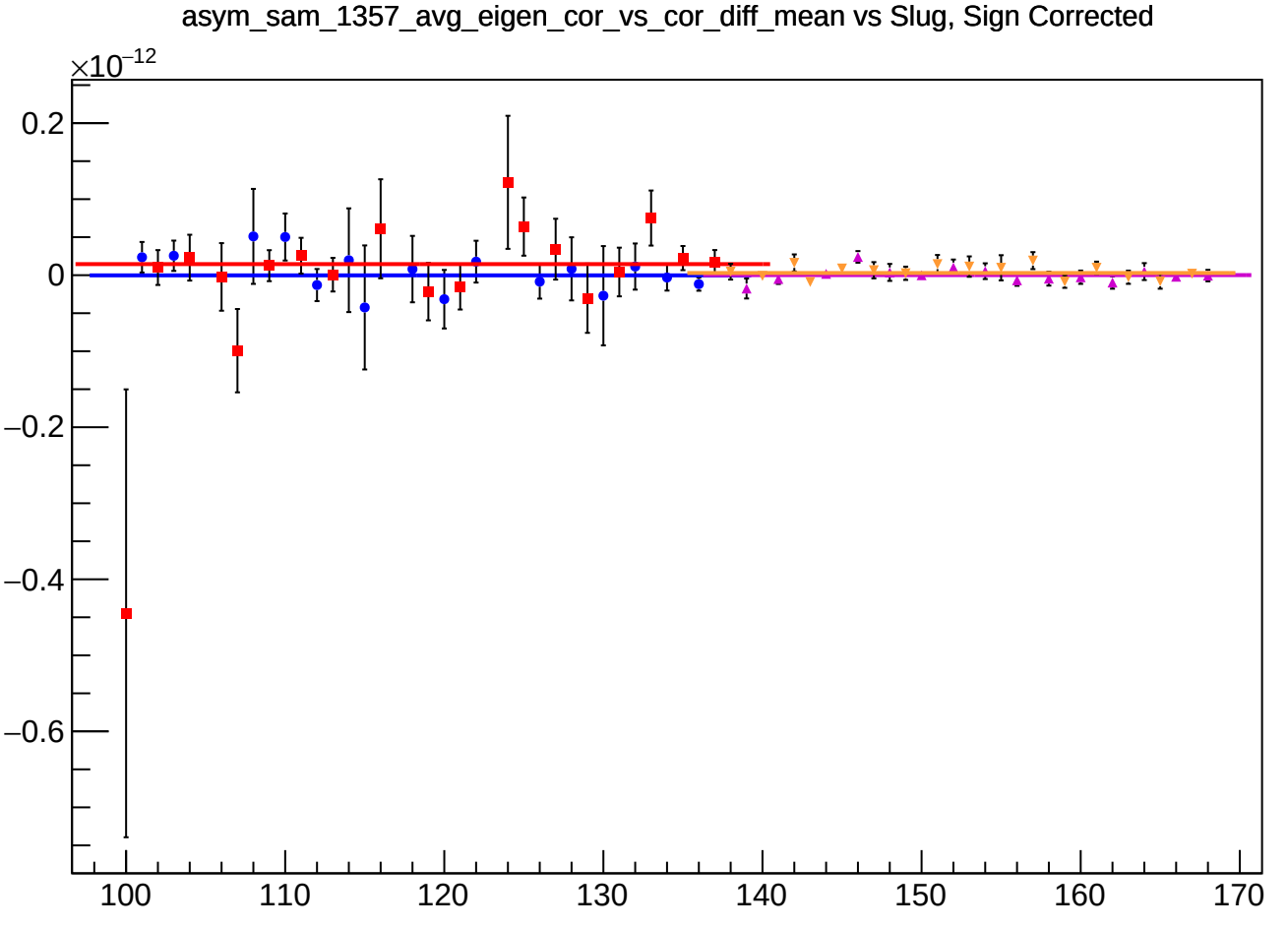
Left: 19.794+/-0.003 χ^2/NDF: 4655510.8/30

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.200+/-0.003 χ^2/NDF:3525823.6/30

Out: 20.458+/-0.004 χ^2/NDF:3801294.3/34

All: 19.794+/-0.002 χ^2/NDF: 7392717.5/65



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/14

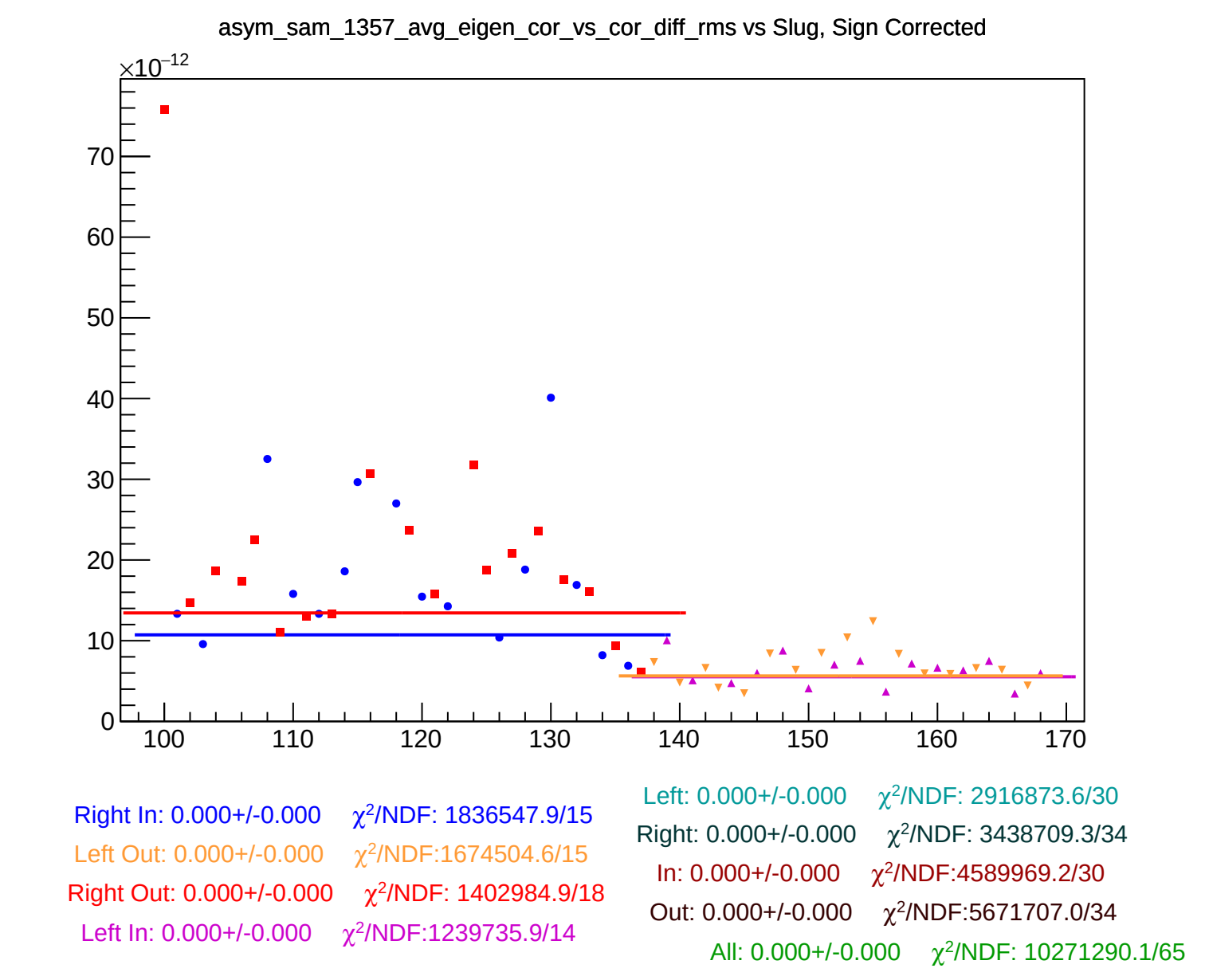
Left: 0.000+/-0.000 χ^2/NDF: 32.1/30

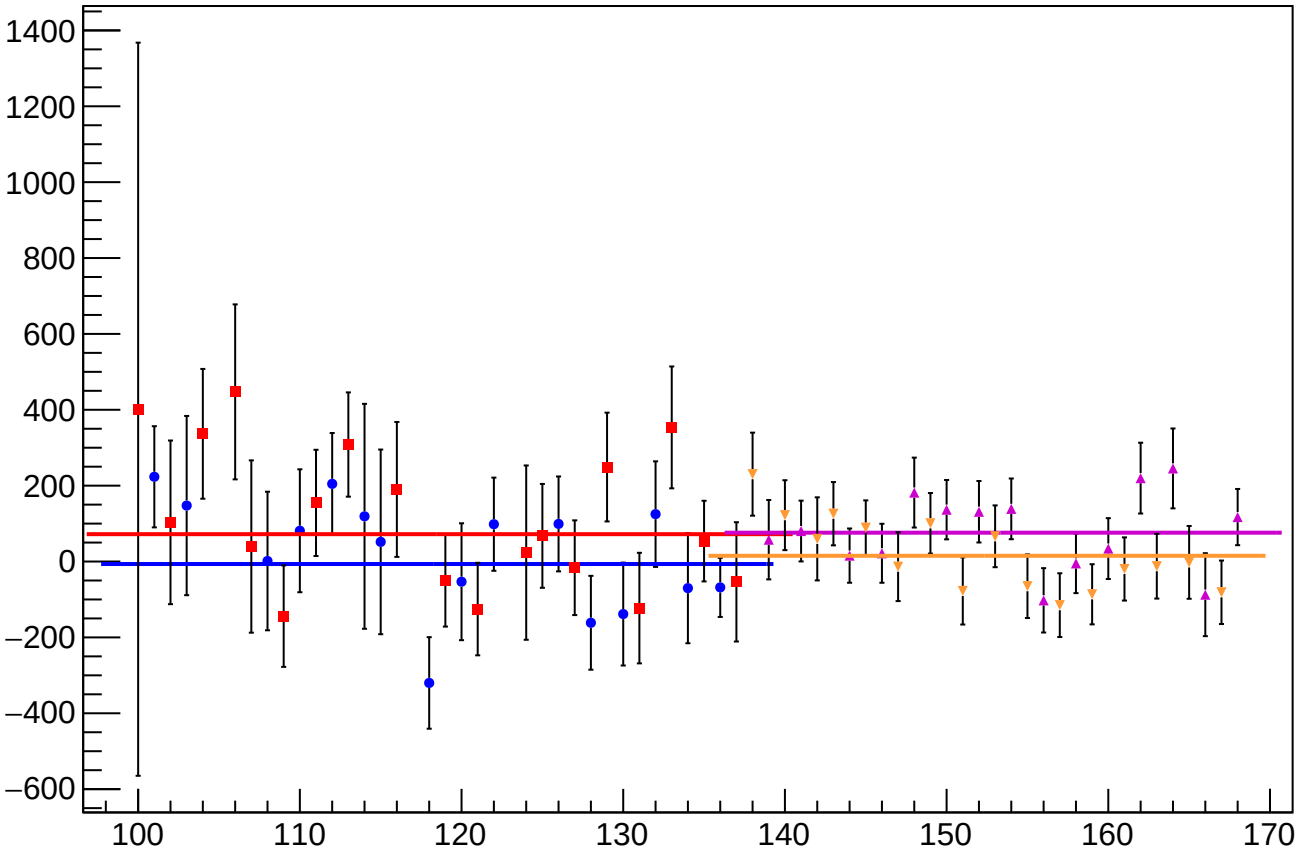
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.0/30

Out: 0.000+/-0.000 χ^2/NDF:35.2/34

All: 0.000+/-0.000 χ^2/NDF: 64.2/65


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1674504.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1239735.9/14
Left: 0.000+/-0.000 χ²/NDF: 2916873.6/30
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4589969.2/30
Out: 0.000+/-0.000 χ²/NDF:5671707.0/34
All: 0.000+/-0.000 χ²/NDF: 10271290.1/65



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.130+/-21.548 χ^2/NDF:17.5/15

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 76.012+/-21.690 χ^2/NDF:17.5/14

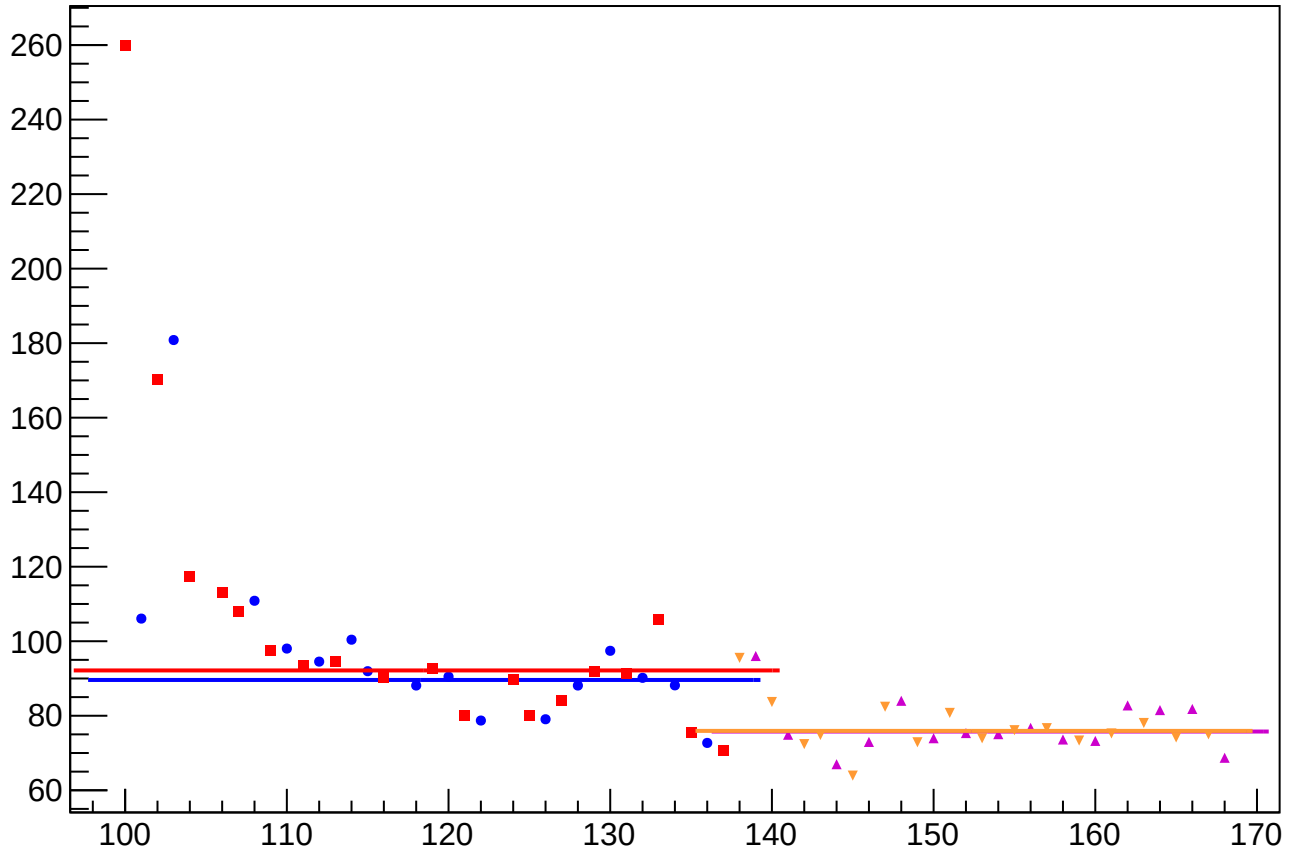
Left: 45.372+/-15.286 χ^2/NDF: 39.0/30

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 52.413+/-18.330 χ^2/NDF:40.6/30

Out: 30.871+/-18.332 χ^2/NDF:42.3/34

All: 41.643+/-12.962 χ^2/NDF: 83.5/65



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

Left: 75.850+/-0.011 χ^2/NDF: 331554.3/30

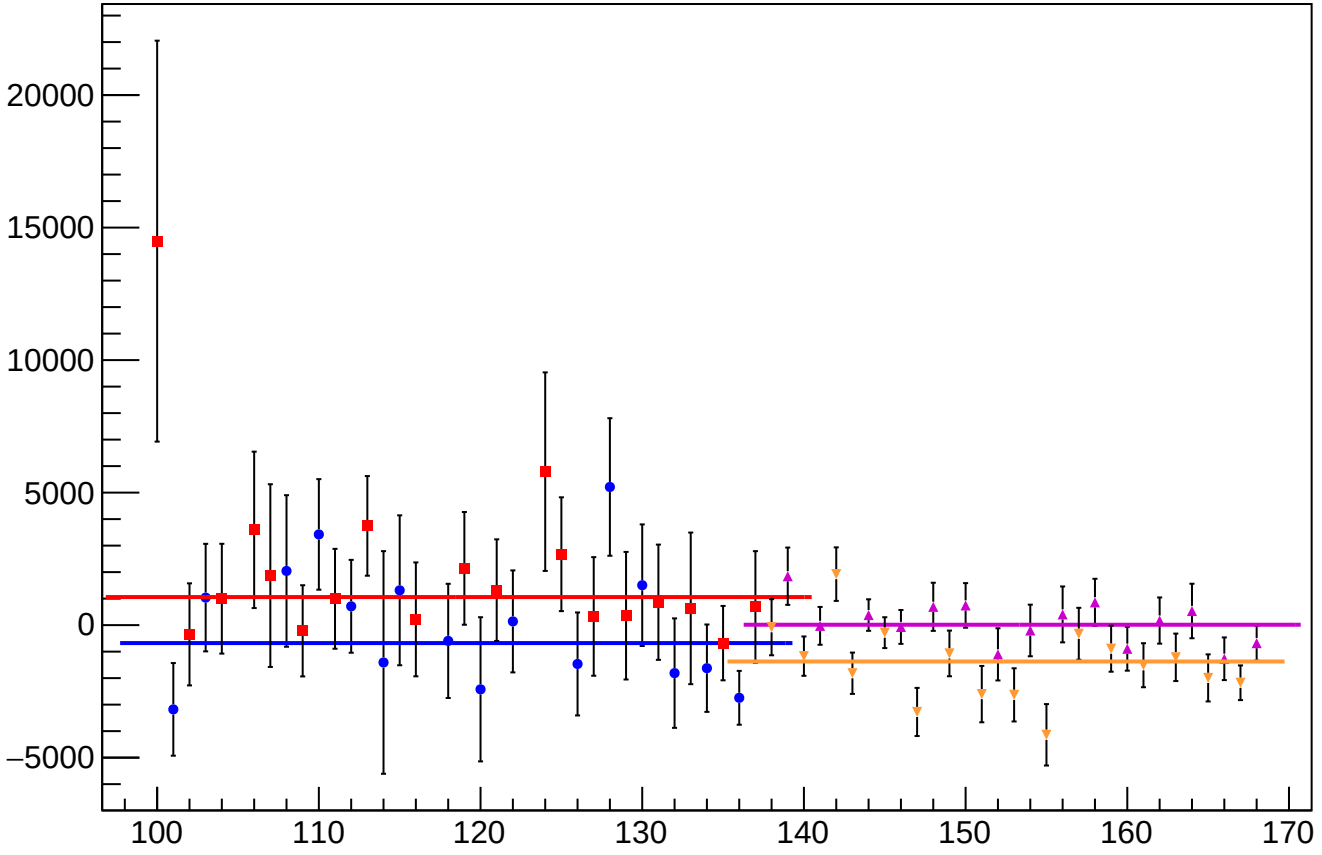
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.719+/-0.013 χ^2/NDF:901589.3/30

Out: 80.417+/-0.013 χ^2/NDF:1016332.8/34

All: 80.068+/-0.009 χ^2/NDF: 1919372.9/65

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1372.375+/-212.526 χ^2/NDF:32.7/15

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 14.503+/-210.573 χ^2/NDF:12.1/14

Left: -672.533+/-149.583 χ^2/NDF: 66.3/30

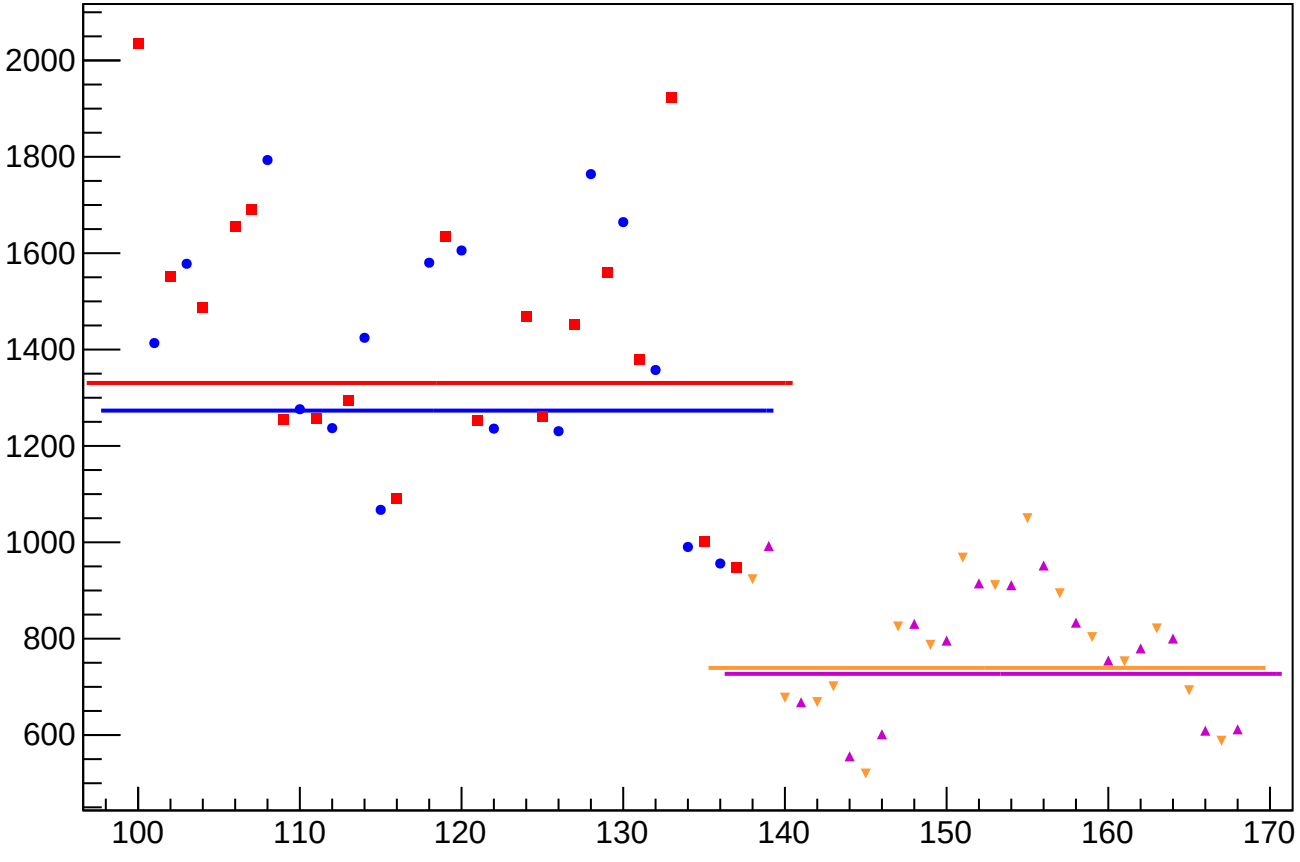
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -94.673+/-193.246 χ^2/NDF:34.1/30

Out: -995.715+/-195.370 χ^2/NDF:64.4/34

All: -540.270+/-137.390 χ^2/NDF: 109.2/65

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: 739.305+/-0.150 χ^2/NDF:882529.5/15

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 727.017+/-0.149 χ^2/NDF:803767.0/14

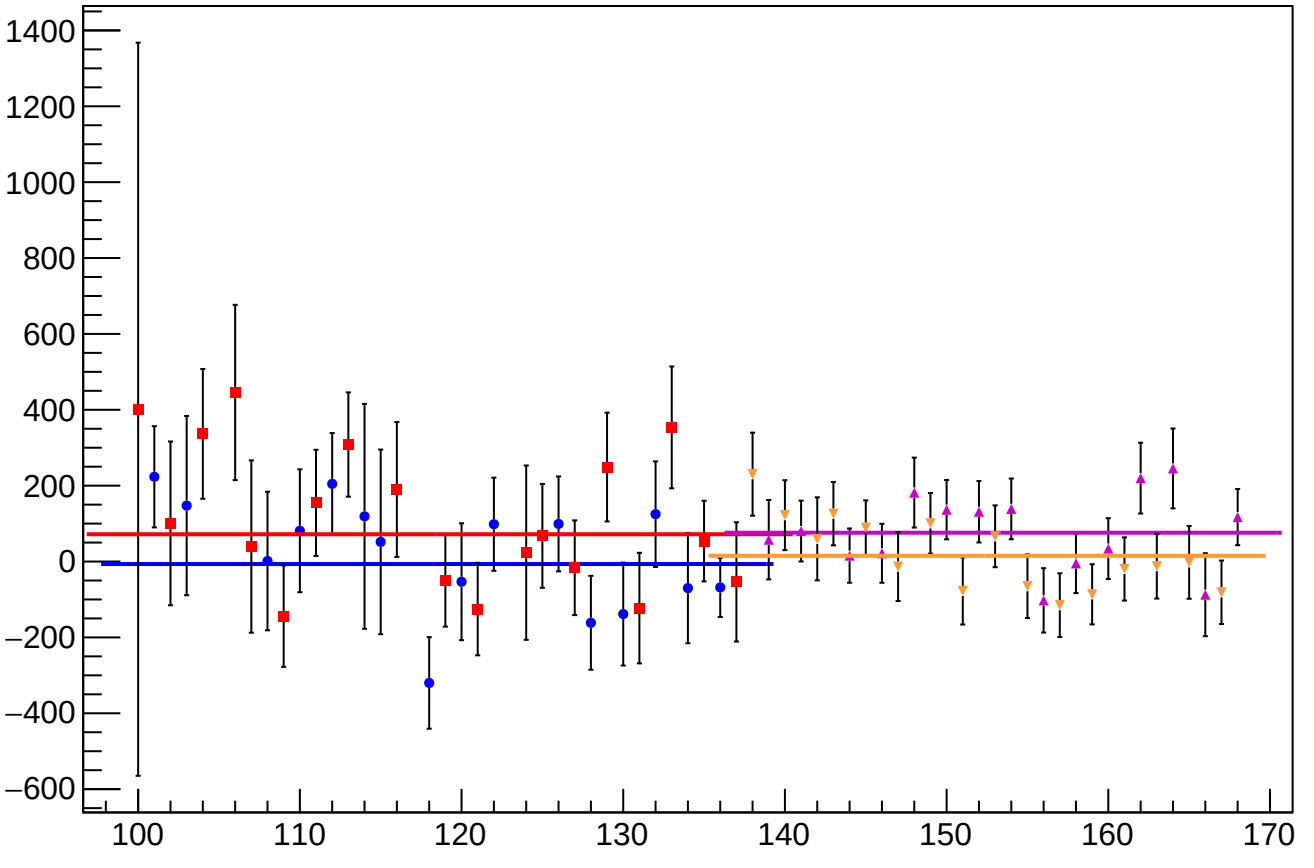
Left: 733.104+/-0.106 χ^2/NDF: 1689670.3/30

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 813.222+/-0.137 χ^2/NDF:3525469.7/30

Out: 830.928+/-0.138 χ^2/NDF:3752486.3/34

All: 821.978+/-0.097 χ^2/NDF: 7286260.0/65



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.135+/-21.548 χ^2/NDF:17.5/15

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 76.012+/-21.690 χ^2/NDF:17.5/14

Left: 45.374+/-15.286 χ^2/NDF: 39.0/30

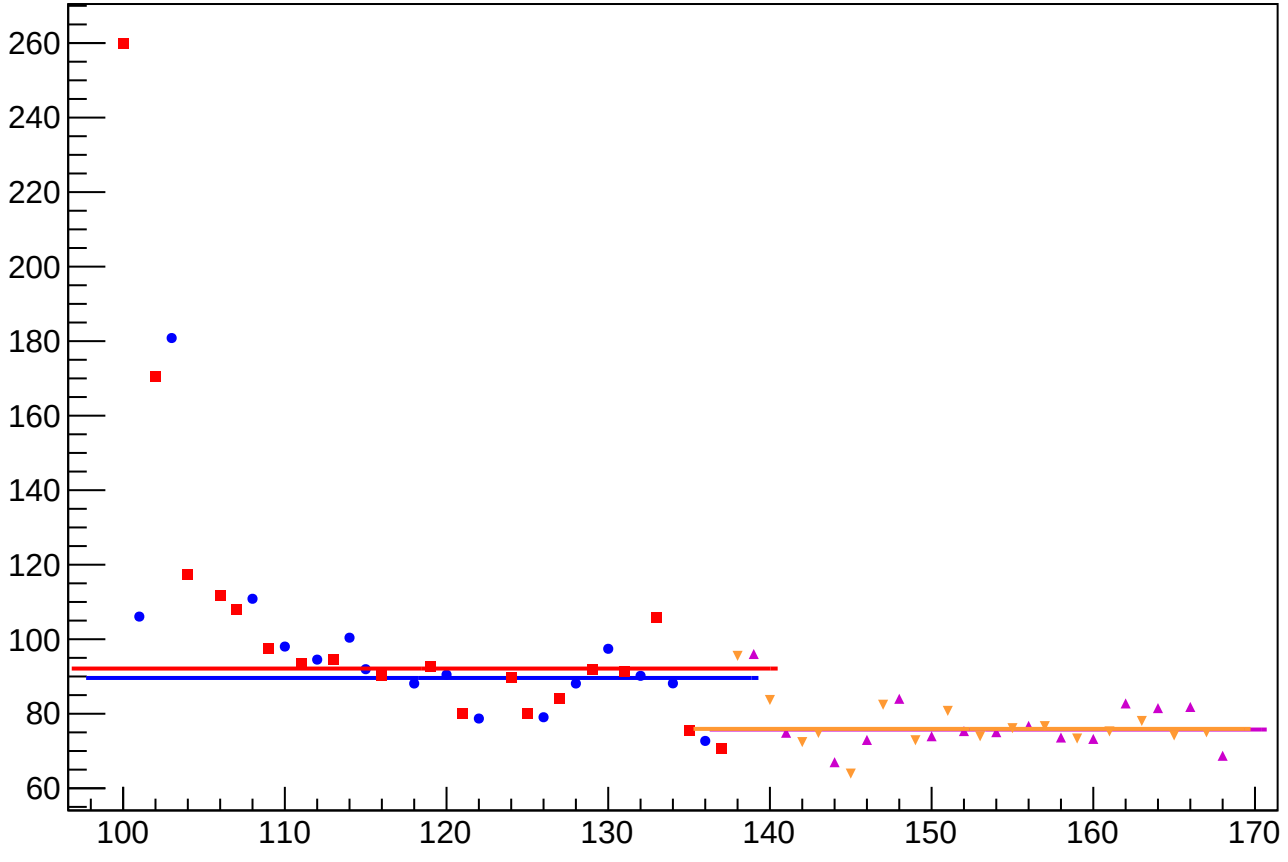
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 52.410+/-18.330 χ^2/NDF:40.6/30

Out: 30.833+/-18.332 χ^2/NDF:42.2/34

All: 41.623+/-12.962 χ^2/NDF: 83.5/65

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

Left: 75.850+/-0.011 χ^2/NDF: 331554.3/30

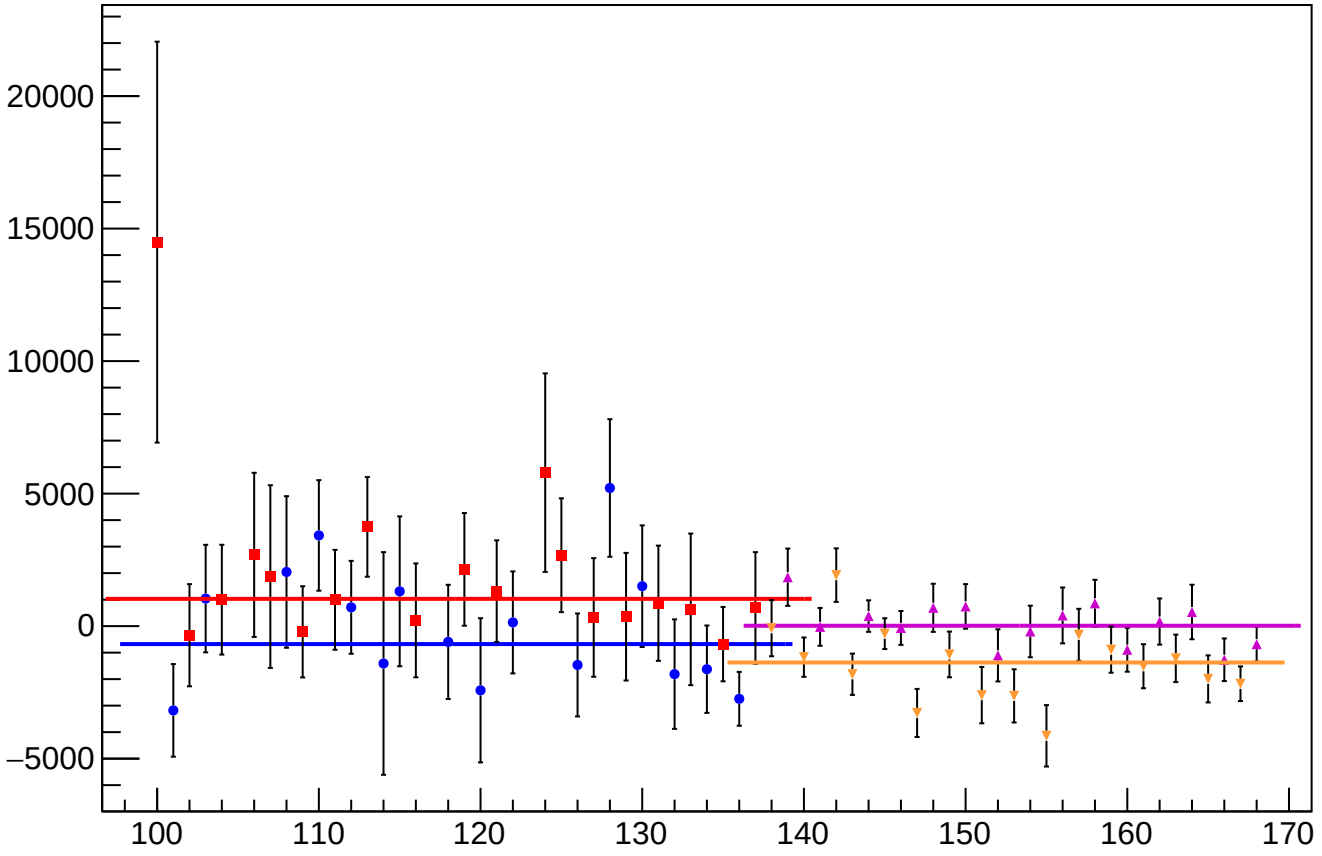
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.719+/-0.013 χ^2/NDF:901592.9/30

Out: 80.408+/-0.013 χ^2/NDF:1013315.9/34

All: 80.063+/-0.009 χ^2/NDF: 1916321.7/65

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 14.506+/-210.573 χ^2/NDF:12.1/14

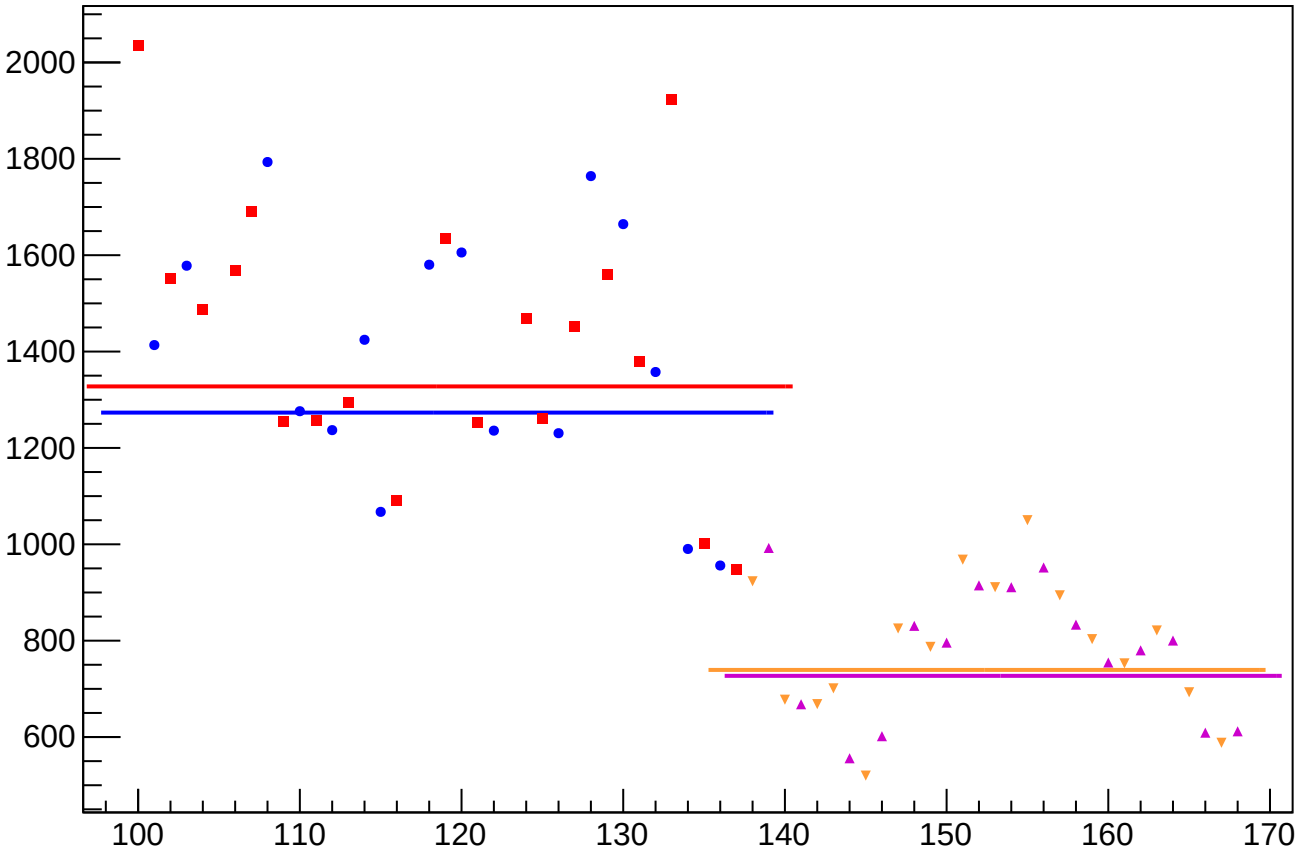
Left: -672.528+/-149.583 χ^2/NDF: 66.3/30

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -94.664+/-193.246 χ^2/NDF:34.1/30

Out: -1001.102+/-195.411 χ^2/NDF:63.4/34

All: -542.835+/-137.405 χ^2/NDF: 108.3/65



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 727.017+/-0.149 χ^2/NDF:803764.4/14

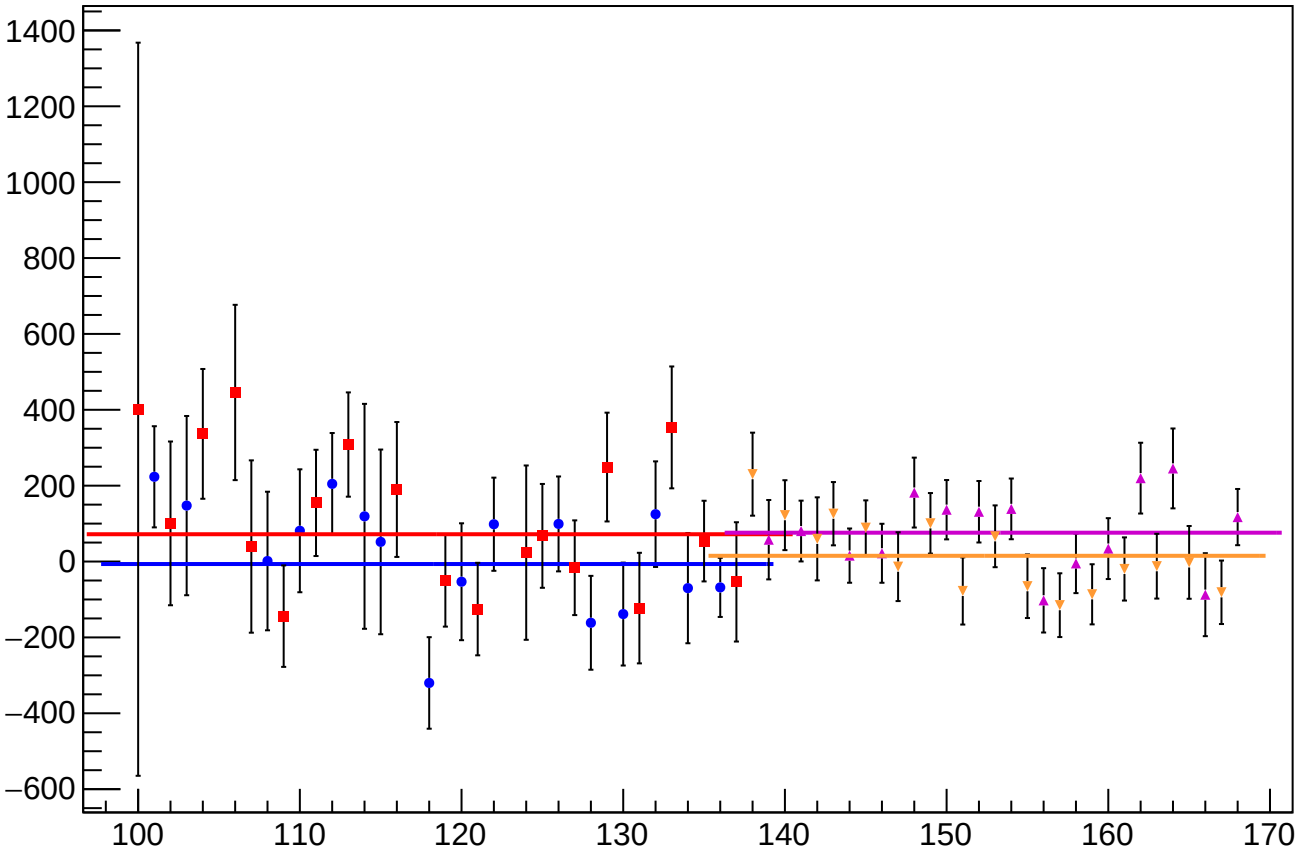
Left: 733.104+/-0.106 χ^2/NDF: 1689671.6/30

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 813.222+/-0.137 χ^2/NDF:3525505.2/30

Out: 830.253+/-0.138 χ^2/NDF:3710420.2/34

All: 821.642+/-0.097 χ^2/NDF: 7243606.0/65



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 15.135+/-21.548 χ^2/NDF:17.5/15

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 76.012+/-21.690 χ^2/NDF:17.5/14

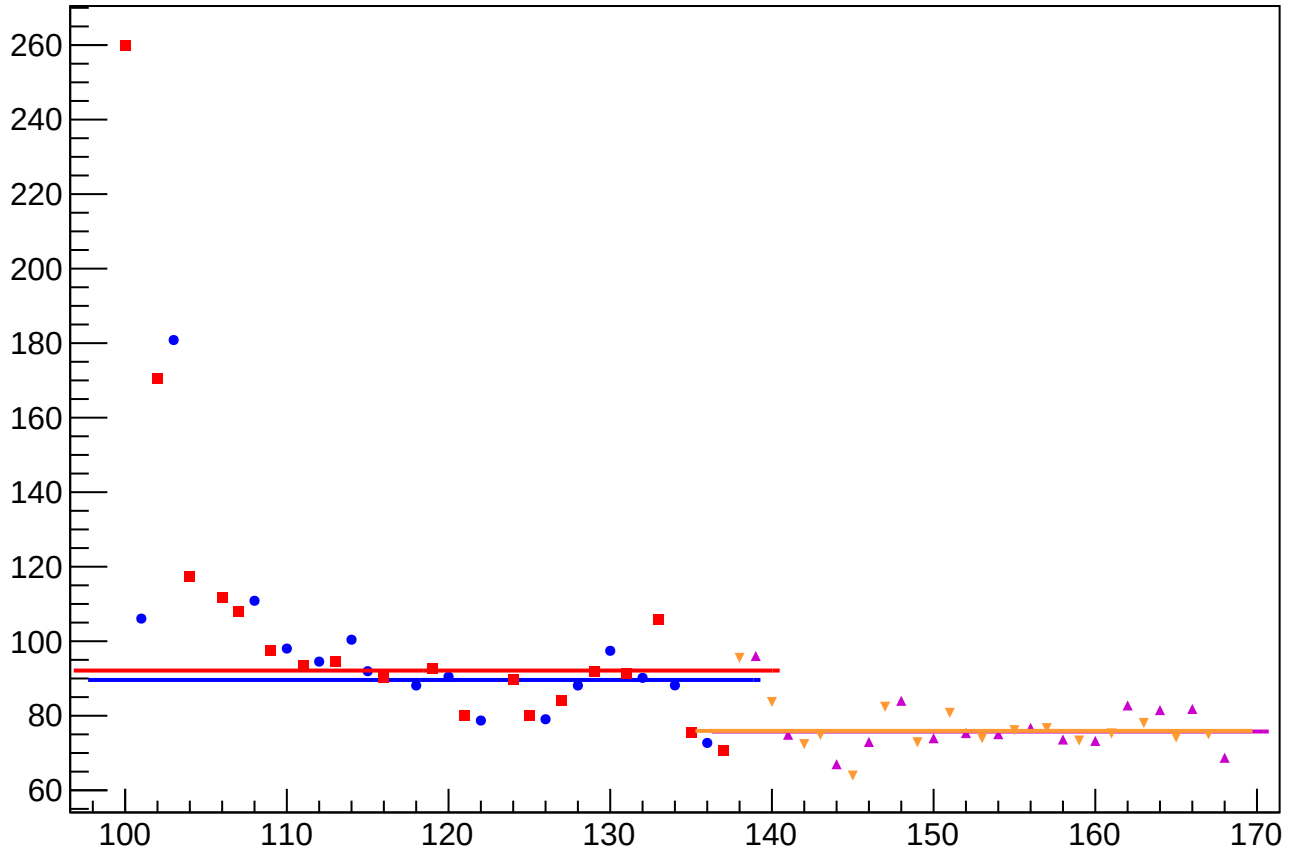
Left: 45.374+/-15.286 χ^2/NDF: 39.0/30

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 52.410+/-18.330 χ^2/NDF:40.6/30

Out: 30.833+/-18.332 χ^2/NDF:42.2/34

All: 41.623+/-12.962 χ^2/NDF: 83.5/65



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.936+/-0.015 χ^2/NDF:161054.8/15

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.763+/-0.015 χ^2/NDF:170435.6/14

Left: 75.850+/-0.011 χ^2/NDF: 331554.3/30

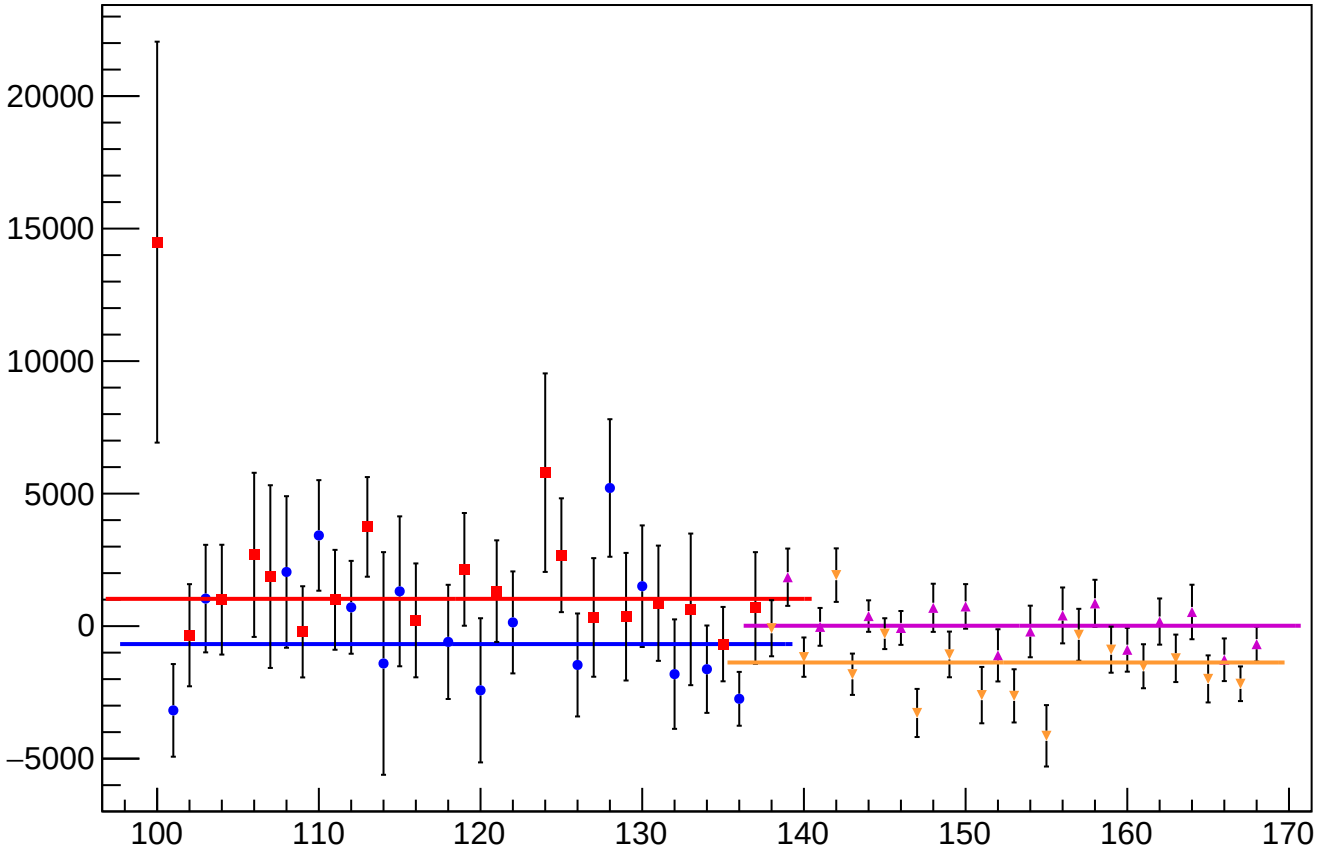
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.719+/-0.013 χ^2/NDF:901592.9/30

Out: 80.408+/-0.013 χ^2/NDF:1013315.9/34

All: 80.063+/-0.009 χ^2/NDF: 1916321.7/65

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1372.367+/-212.526 χ^2/NDF:32.7/15

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 14.506+/-210.573 χ^2/NDF:12.1/14

Left: -672.528+/-149.583 χ^2/NDF: 66.3/30

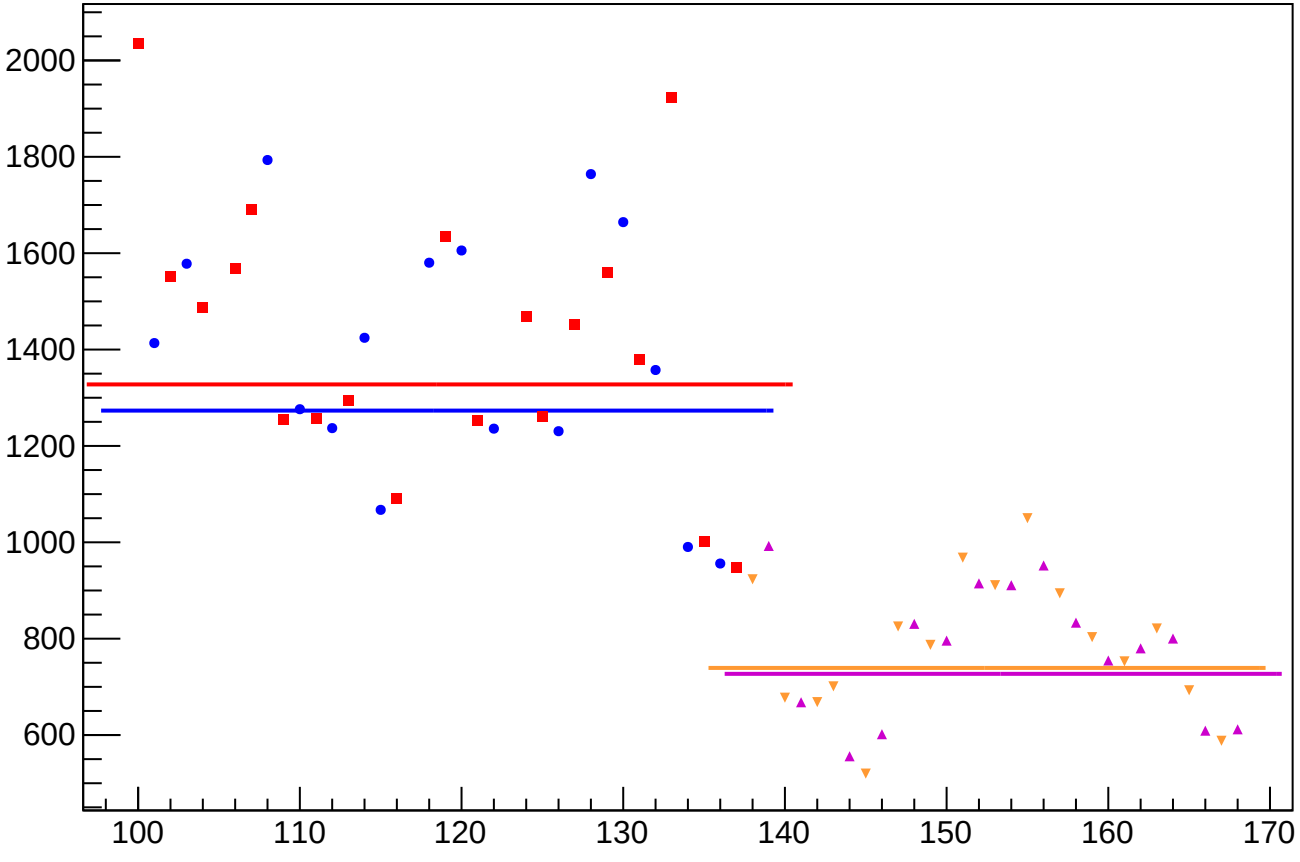
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -94.664+/-193.246 χ^2/NDF:34.1/30

Out: -1001.102+/-195.411 χ^2/NDF:63.4/34

All: -542.835+/-137.405 χ^2/NDF: 108.3/65

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: 739.305+/-0.150 χ^2/NDF:882533.8/15

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 727.017+/-0.149 χ^2/NDF:803764.4/14

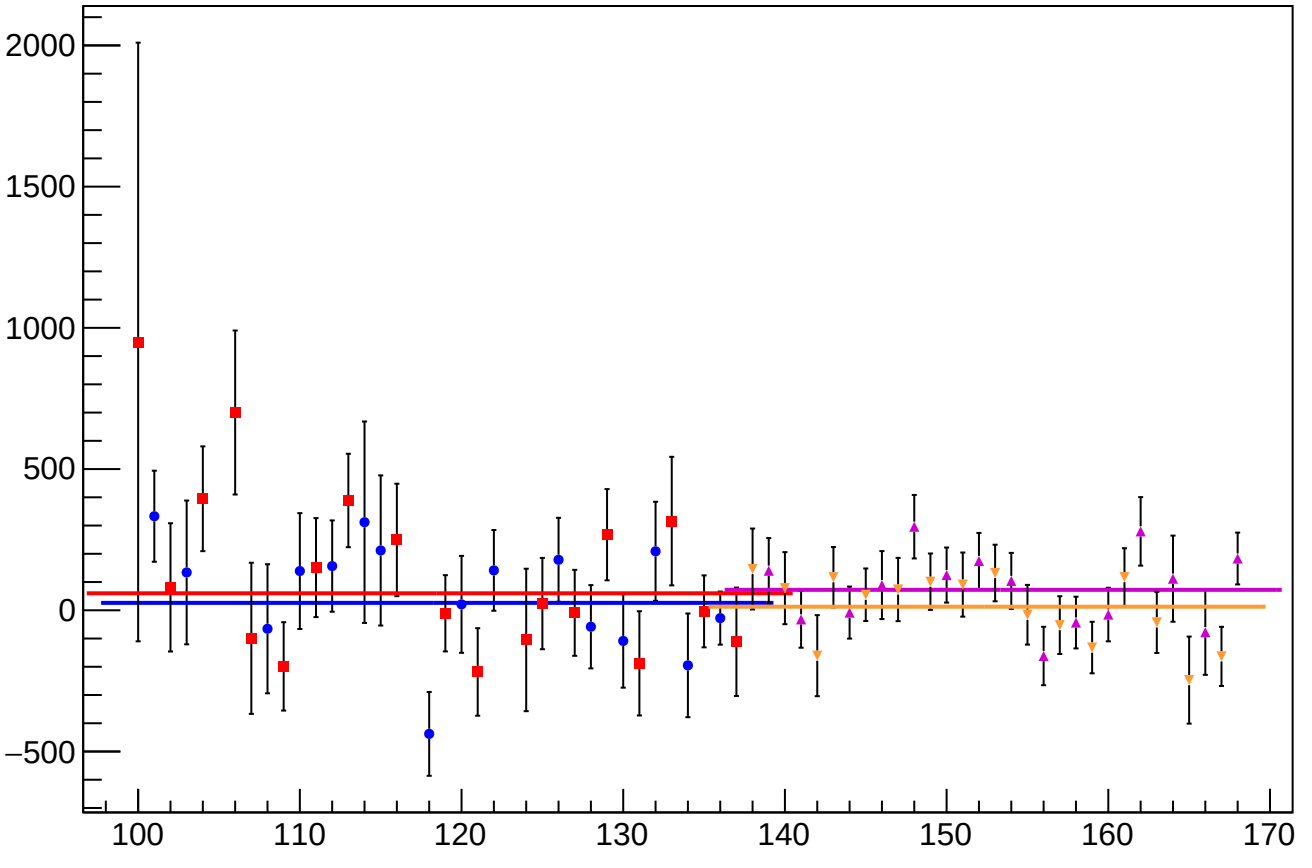
Left: 733.104+/-0.106 χ^2/NDF: 1689671.6/30

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 813.222+/-0.137 χ^2/NDF:3525505.2/30

Out: 830.253+/-0.138 χ^2/NDF:3710420.2/34

All: 821.642+/-0.097 χ^2/NDF: 7243606.0/65



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 12.634+/-27.330 χ^2/NDF:16.7/15

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 72.384+/-27.259 χ^2/NDF:20.6/14

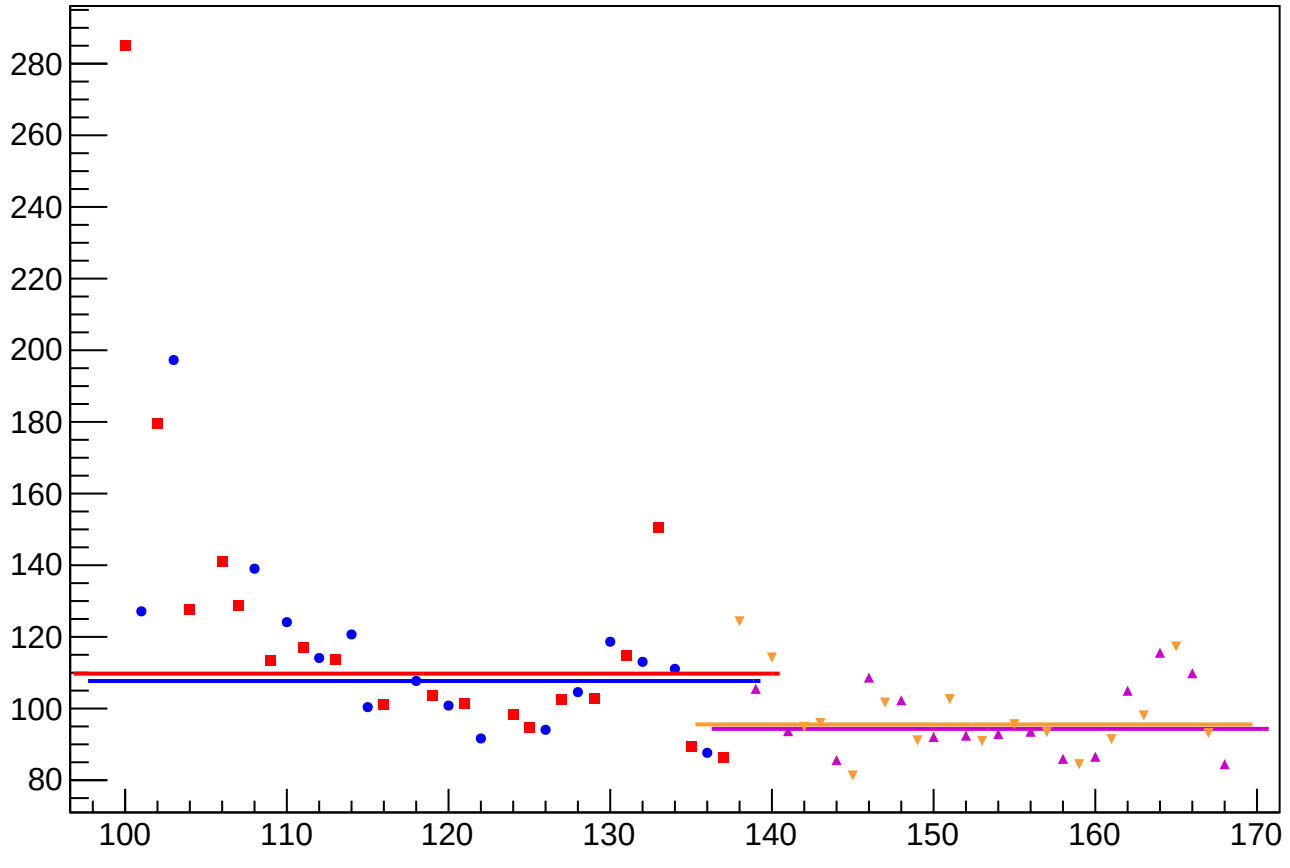
Left: 42.587+/-19.300 χ^2/NDF: 39.7/30

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 58.347+/-22.737 χ^2/NDF:42.9/30

Out: 26.985+/-22.830 χ^2/NDF:44.6/34

All: 42.730+/-16.110 χ^2/NDF: 88.4/65



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.567+/-0.019 χ^2/NDF:268314.8/15

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.332+/-0.019 χ^2/NDF:205943.2/14

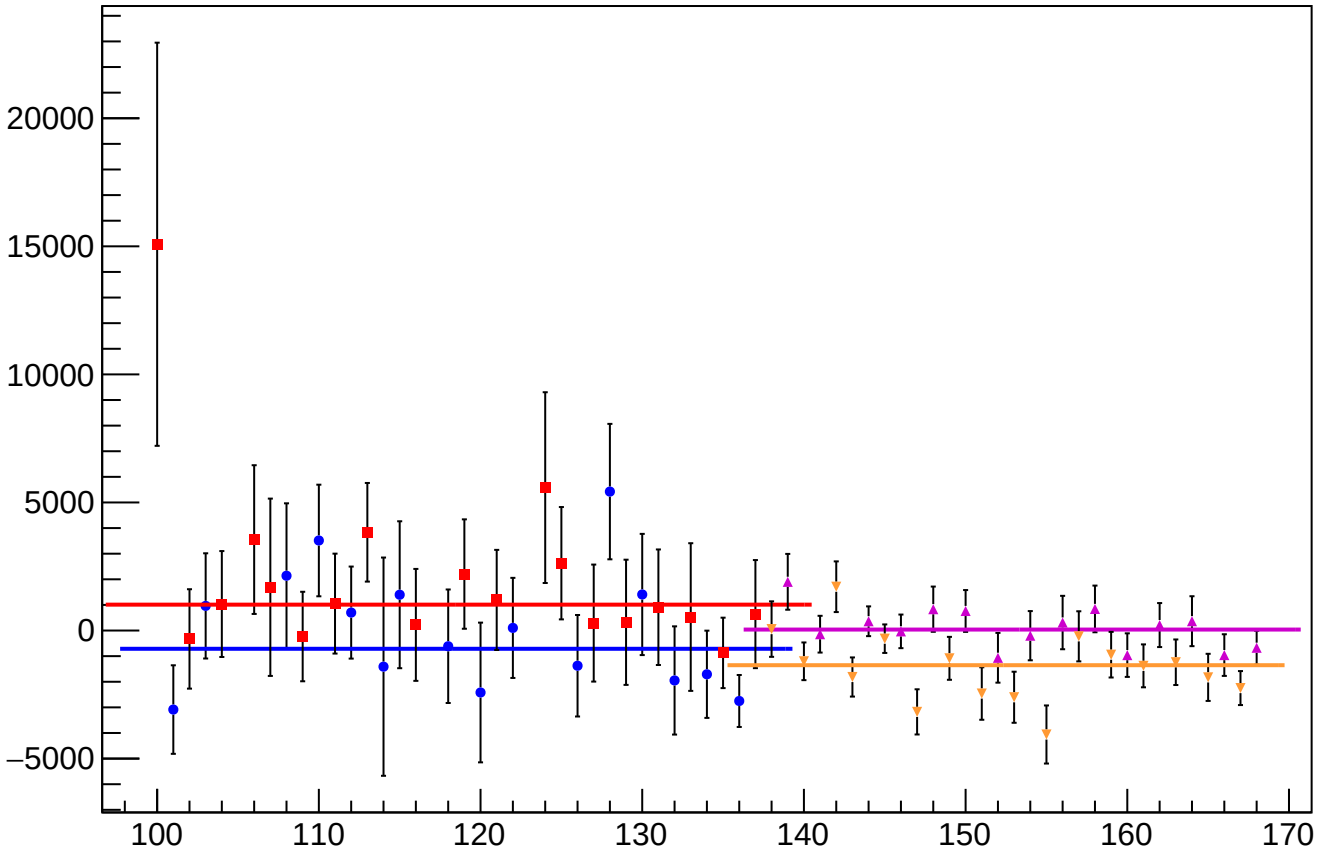
Left: 94.948+/-0.014 χ^2/NDF: 476304.5/30

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 98.393+/-0.016 χ^2/NDF:834975.2/30

Out: 99.850+/-0.016 χ^2/NDF:922641.6/34

All: 99.119+/-0.011 χ^2/NDF: 1761704.6/65



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1353.485+/-210.546 χ^2/NDF:31.6/15

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 37.816+/-209.862 χ^2/NDF:11.3/14

Left: -655.570+/-148.636 χ^2/NDF: 64.8/30

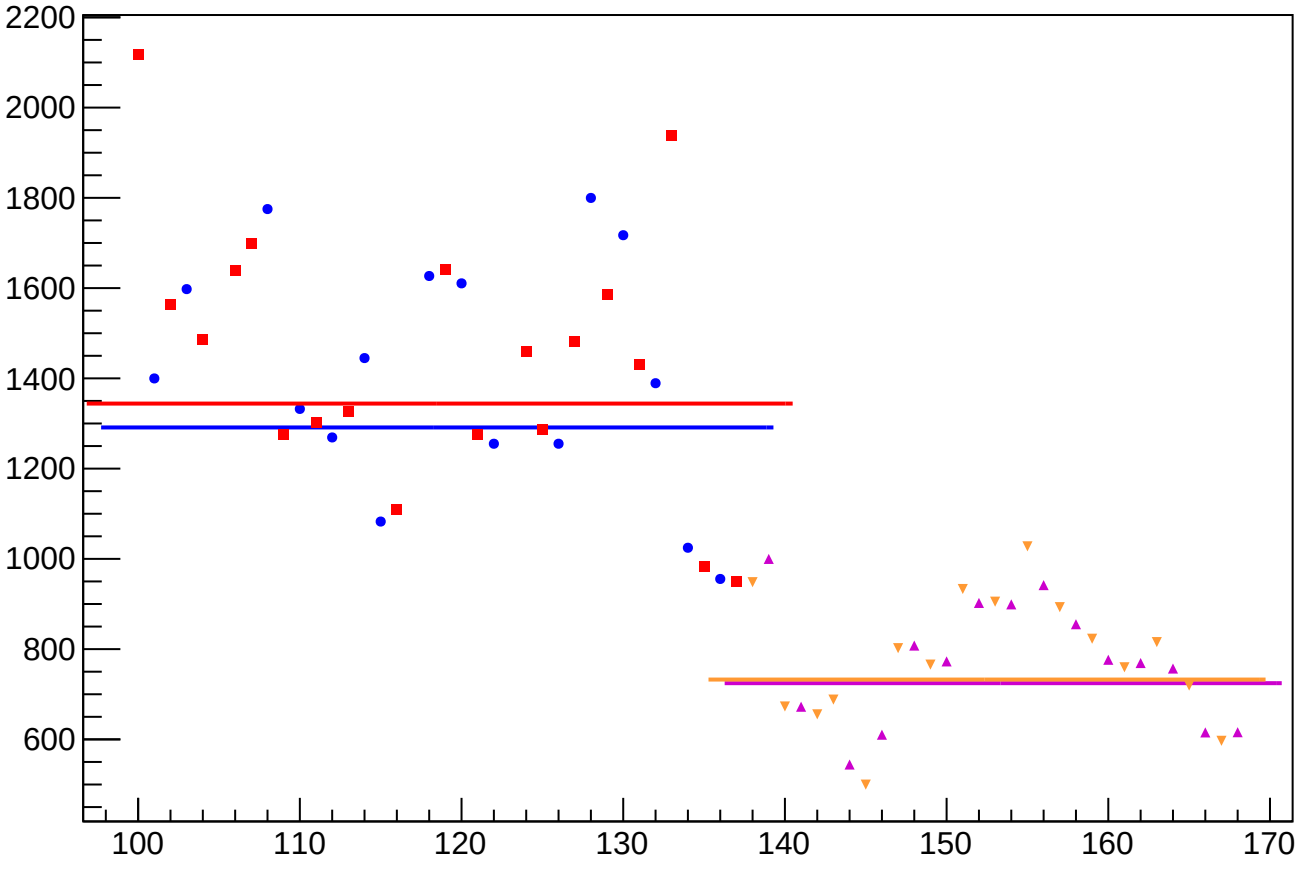
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -77.248+/-193.110 χ^2/NDF:33.4/30

Out: -999.087+/-194.124 χ^2/NDF:62.2/34

All: -535.753+/-136.907 χ^2/NDF: 106.9/65

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: 732.580+/-0.149 χ^2/NDF:927118.6/15

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 724.555+/-0.148 χ^2/NDF:782186.1/14

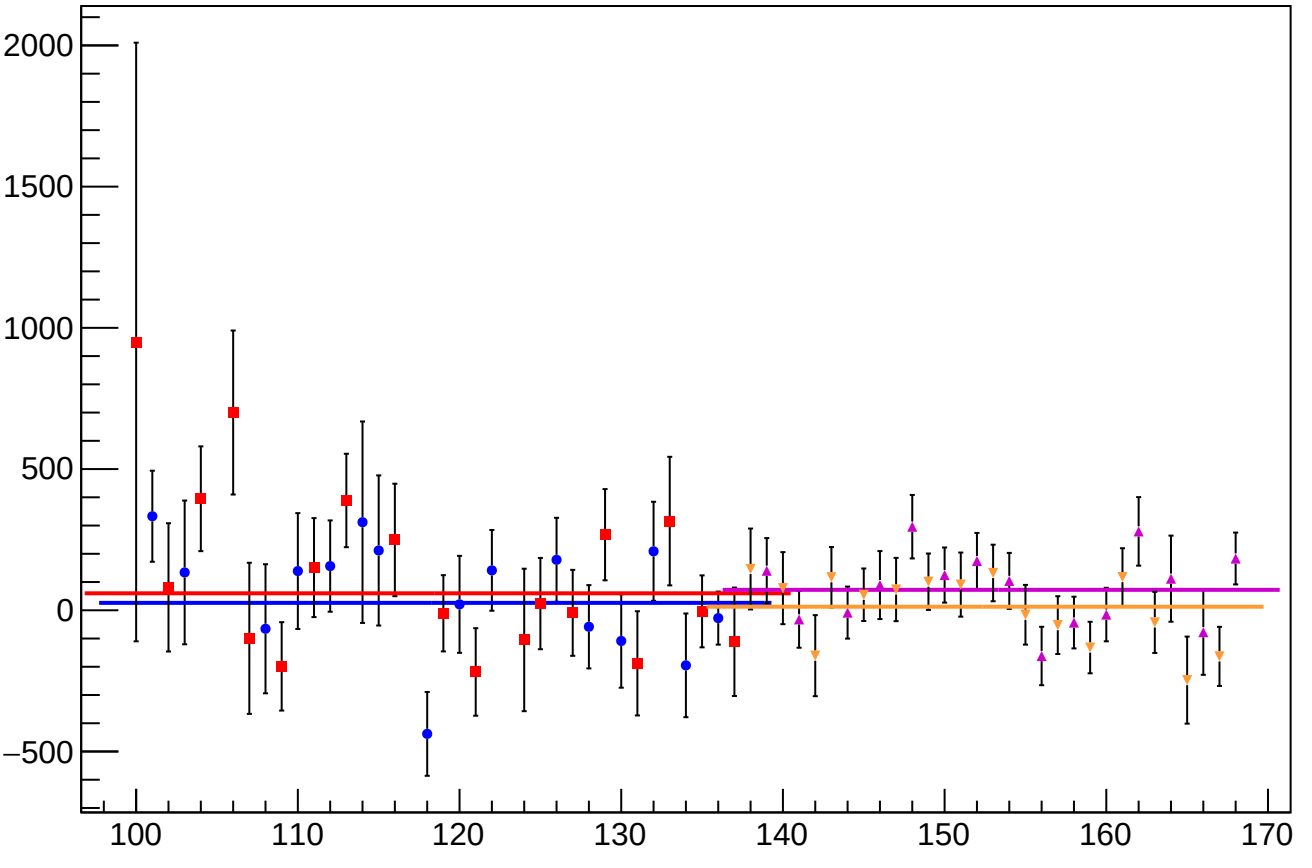
Left: 728.555+/-0.105 χ^2/NDF: 1710762.3/30

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 811.411+/-0.137 χ^2/NDF:3628150.1/30

Out: 824.257+/-0.137 χ^2/NDF:3947478.7/34

All: 817.801+/-0.097 χ^2/NDF: 7580030.9/65



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 12.636+/-27.330 χ^2/NDF:16.7/15

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 72.382+/-27.259 χ^2/NDF:20.6/14

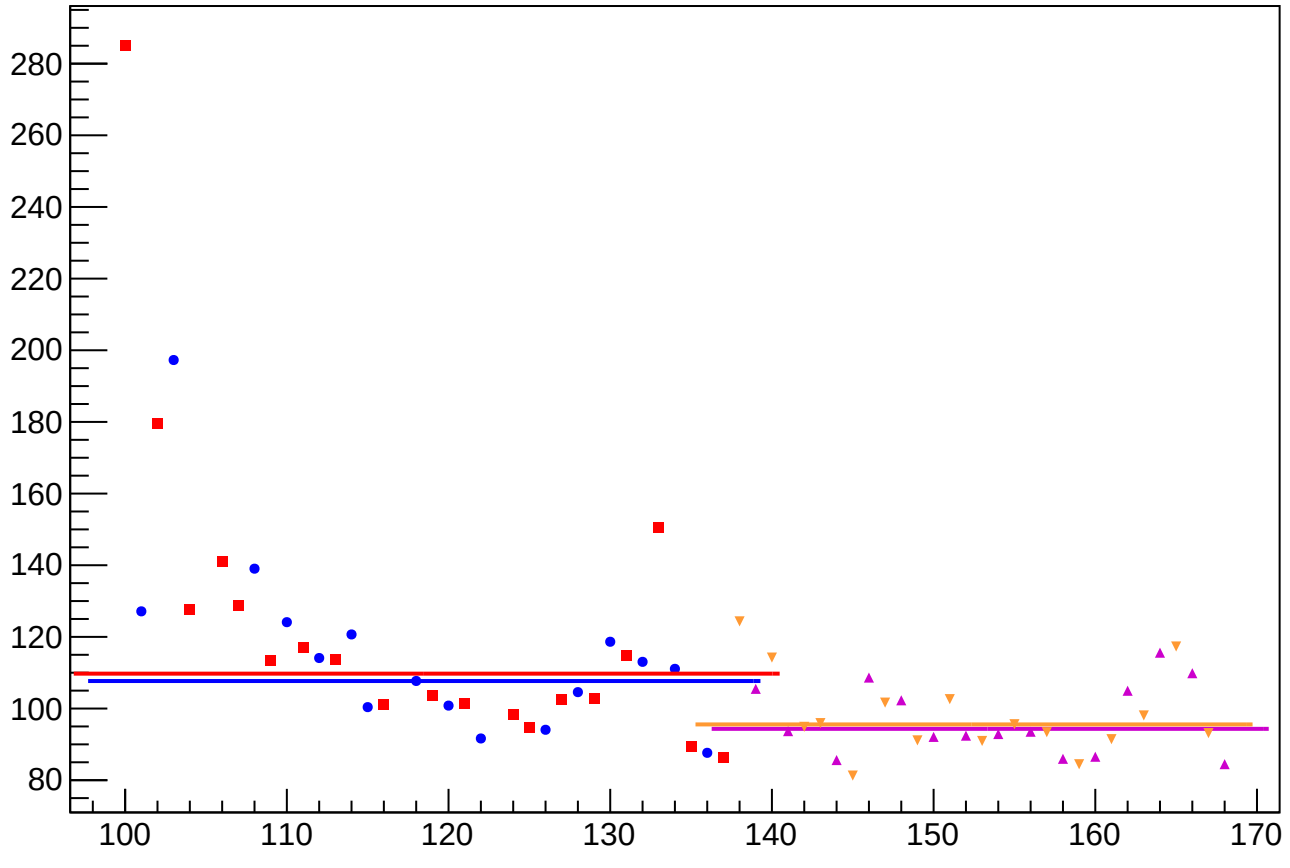
Left: 42.587+/-19.300 χ^2/NDF: 39.7/30

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 58.346+/-22.737 χ^2/NDF:42.9/30

Out: 26.986+/-22.830 χ^2/NDF:44.6/34

All: 42.730+/-16.110 χ^2/NDF: 88.4/65



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.567+/-0.019 χ^2/NDF:268306.9/15

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.332+/-0.019 χ^2/NDF:205947.0/14

Left: 94.948+/-0.014 χ^2/NDF: 476300.4/30

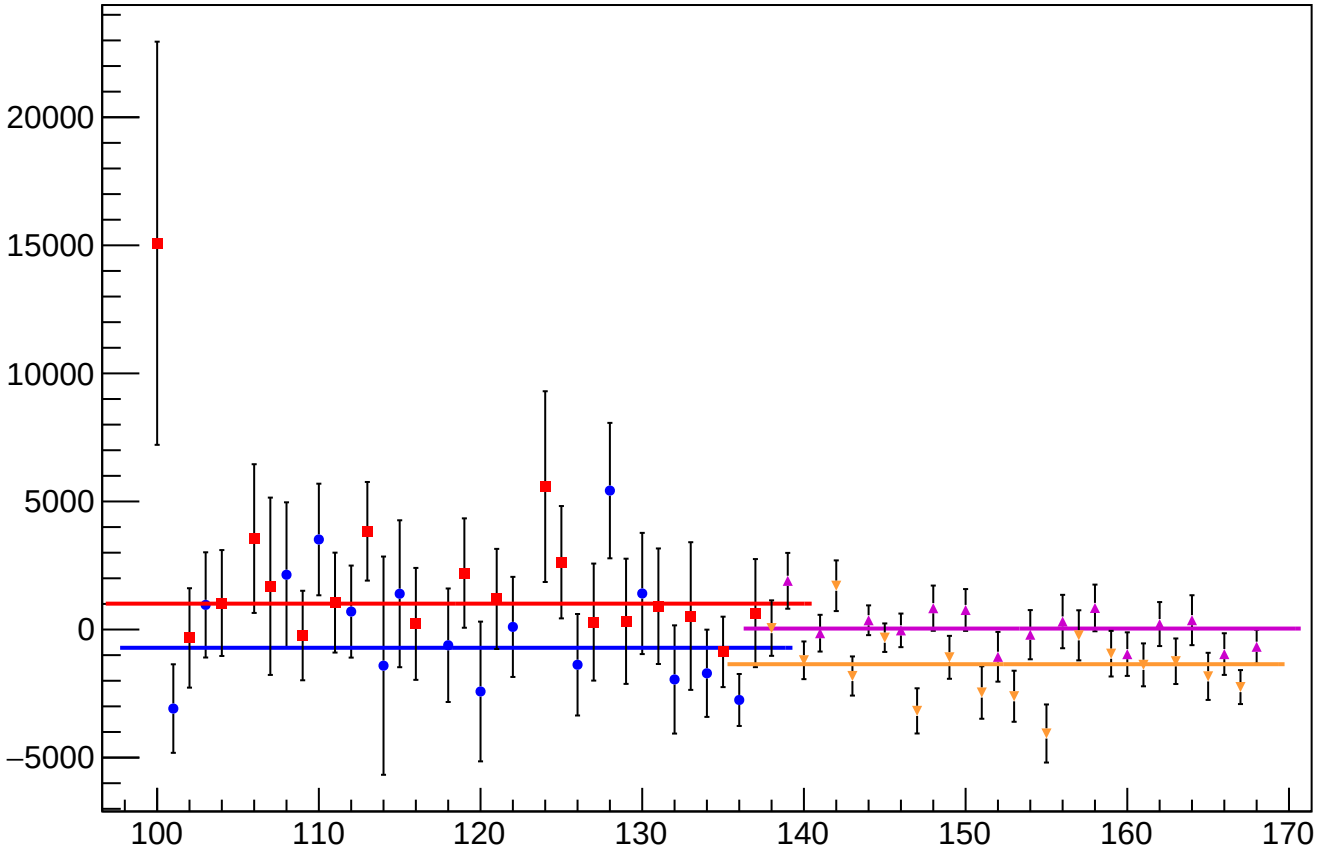
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 98.393+/-0.016 χ^2/NDF:834943.8/30

Out: 99.850+/-0.016 χ^2/NDF:922609.4/34

All: 99.119+/-0.011 χ^2/NDF: 1761641.4/65

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: -1353.483+/-210.546 χ^2/NDF:31.6/15

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 37.814+/-209.862 χ^2/NDF:11.3/14

Left: -655.569+/-148.636 χ^2/NDF: 64.8/30

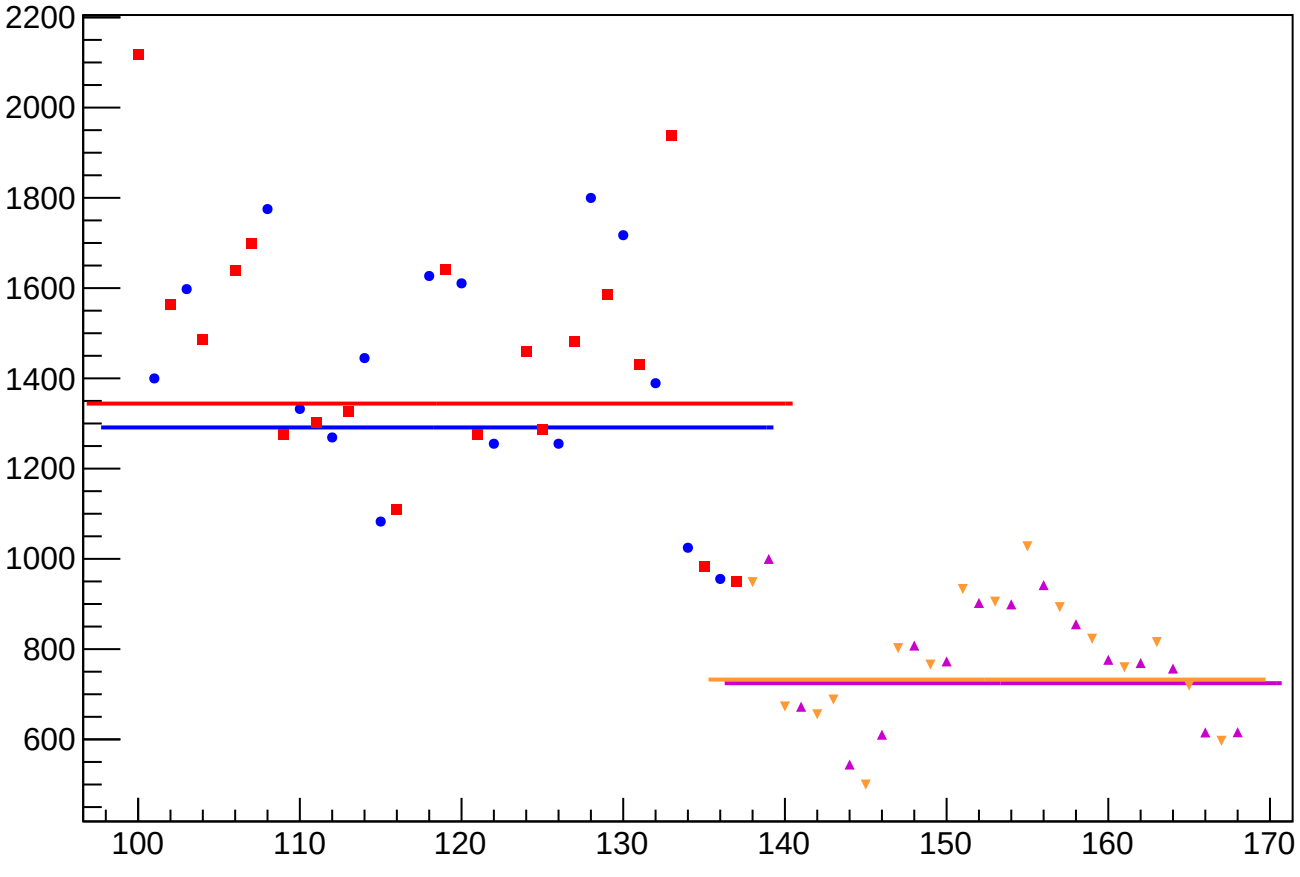
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -77.249+/-193.110 χ^2/NDF:33.4/30

Out: -999.084+/-194.124 χ^2/NDF:62.2/34

All: -535.753+/-136.906 χ^2/NDF: 106.9/65

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: 732.579+/-0.149 χ^2/NDF:927127.4/15

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 724.554+/-0.148 χ^2/NDF:782188.3/14

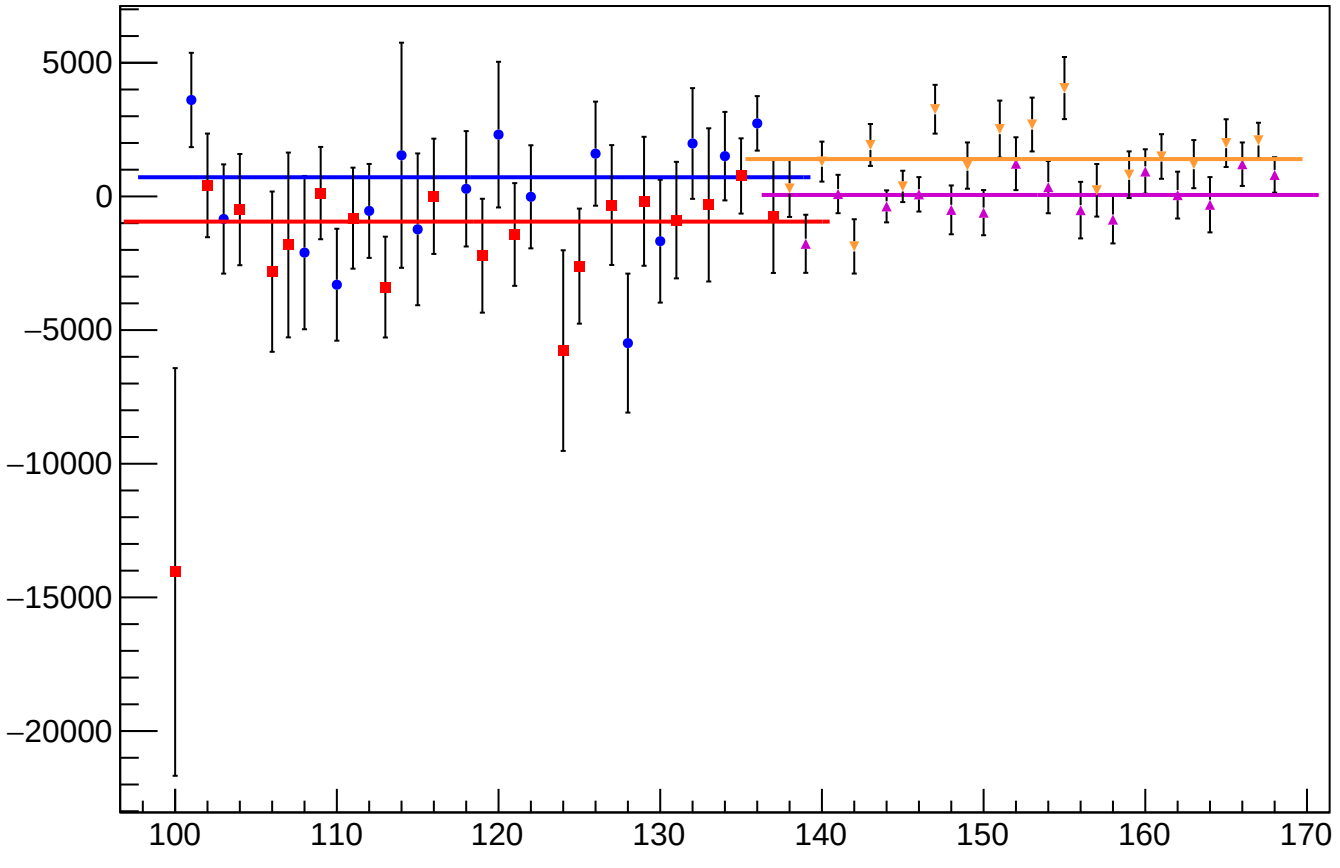
Left: 728.553+/-0.105 χ^2/NDF: 1710773.3/30

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 811.410+/-0.137 χ^2/NDF:3628147.7/30

Out: 824.256+/-0.137 χ^2/NDF:3947484.9/34

All: 817.799+/-0.097 χ^2/NDF: 7580034.6/65



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1397.448+/-213.765 χ^2/NDF:30.6/15

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 54.870+/-211.839 χ^2/NDF:11.7/14

Left: 720.084+/-150.469 χ^2/NDF: 62.2/30

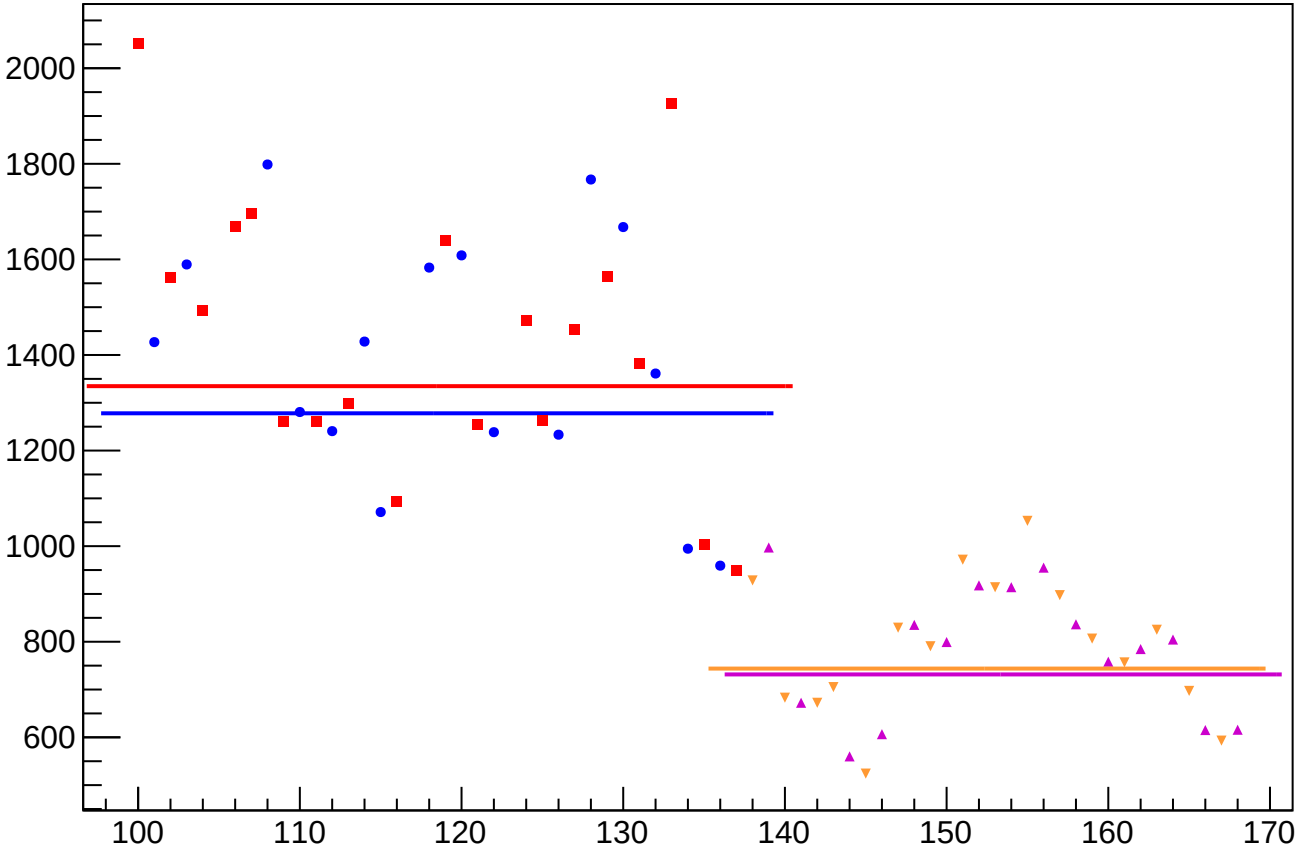
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 159.869+/-194.335 χ^2/NDF:34.2/30

Out: 1033.479+/-196.436 χ^2/NDF:59.9/34

All: 591.977+/-138.153 χ^2/NDF: 104.1/65

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 743.843+/-0.151 χ^2/NDF:867986.1/15

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 731.606+/-0.150 χ^2/NDF:790357.1/14

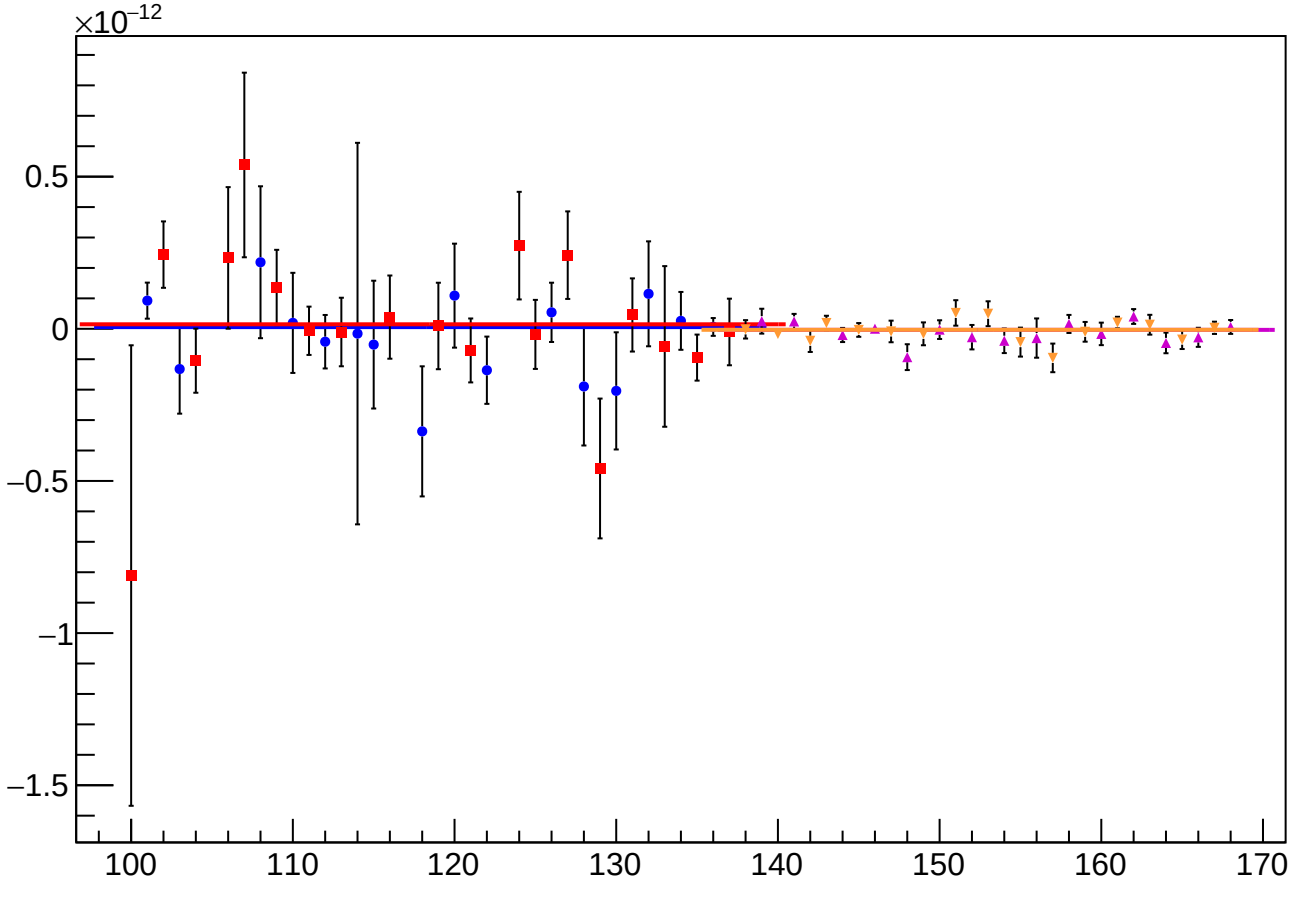
Left: 737.669+/-0.106 χ^2/NDF: 1661650.0/30

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 818.168+/-0.137 χ^2/NDF:3495844.7/30

Out: 835.768+/-0.139 χ^2/NDF:3717409.3/34

All: 826.873+/-0.098 χ^2/NDF: 7221367.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/14

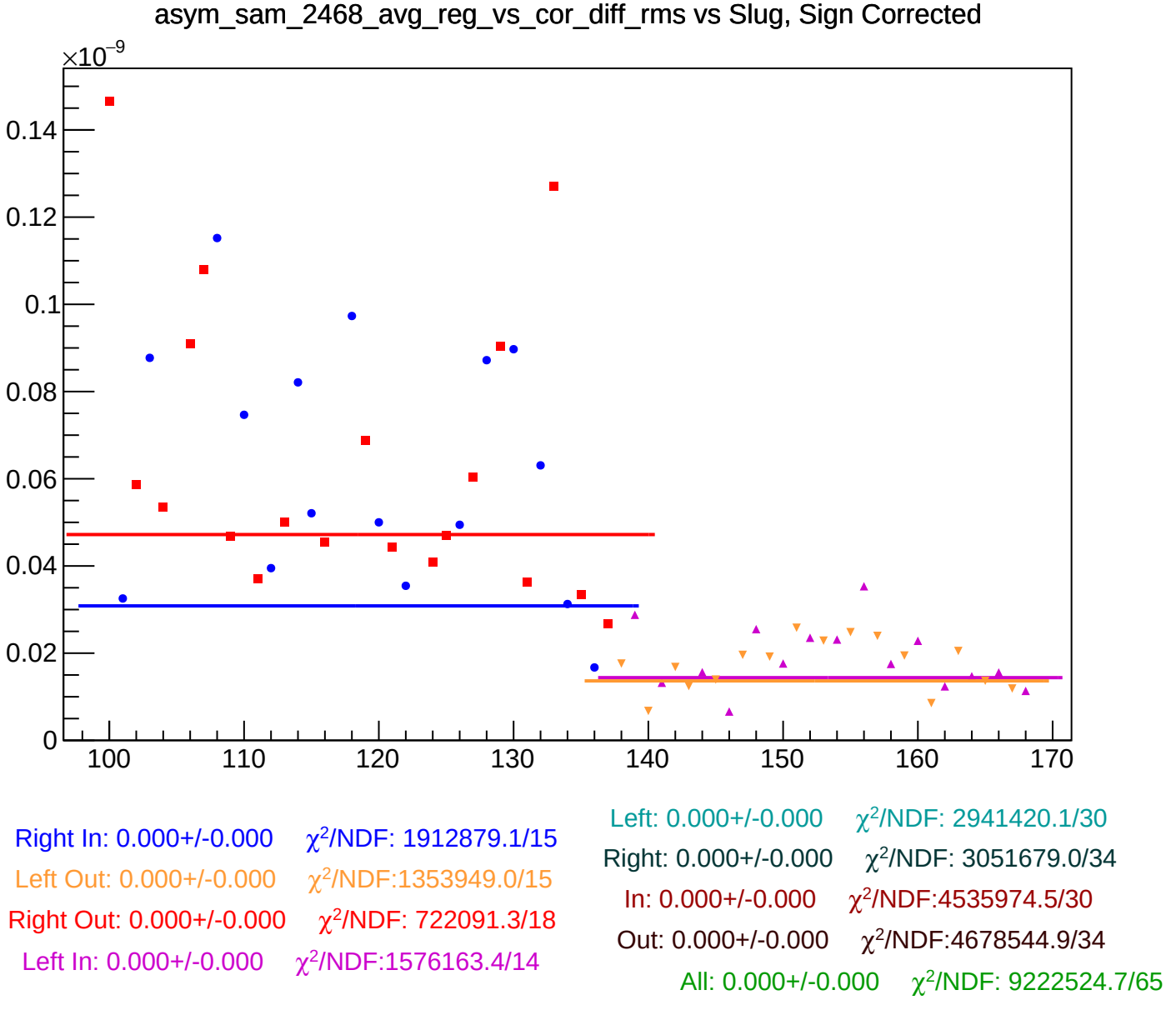
Left: -0.000+/-0.000 χ^2/NDF: 28.2/30

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

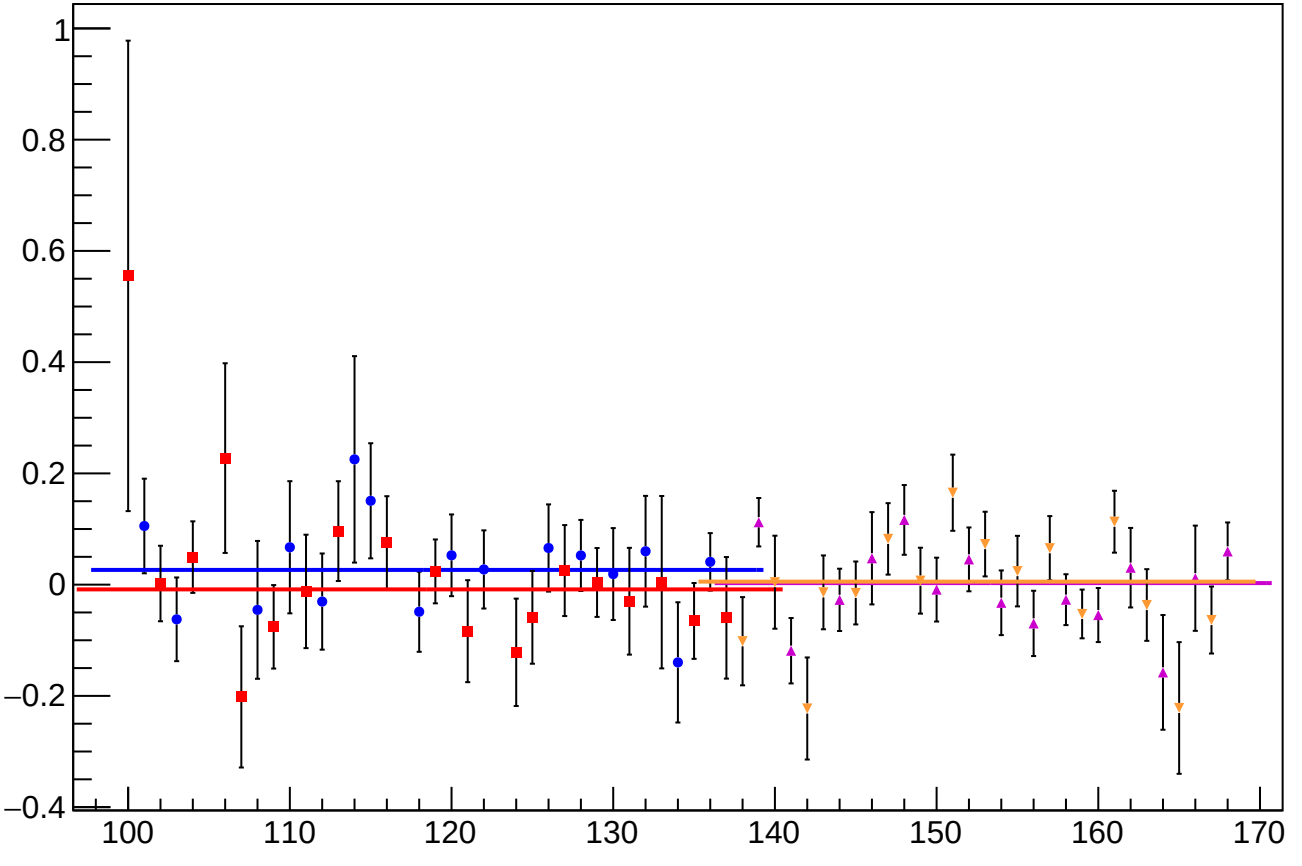
In: -0.000+/-0.000 χ^2/NDF:26.1/30

Out: -0.000+/-0.000 χ^2/NDF:38.0/34

All: -0.000+/-0.000 χ^2/NDF: 64.1/65


asym_sam_2468_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
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1353949.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1576163.4/14
Left: 0.000+/-0.000 χ²/NDF: 2941420.1/30
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4535974.5/30
Out: 0.000+/-0.000 χ²/NDF:4678544.9/34
All: 0.000+/-0.000 χ²/NDF: 9222524.7/65

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.015 χ^2/NDF:22.5/14

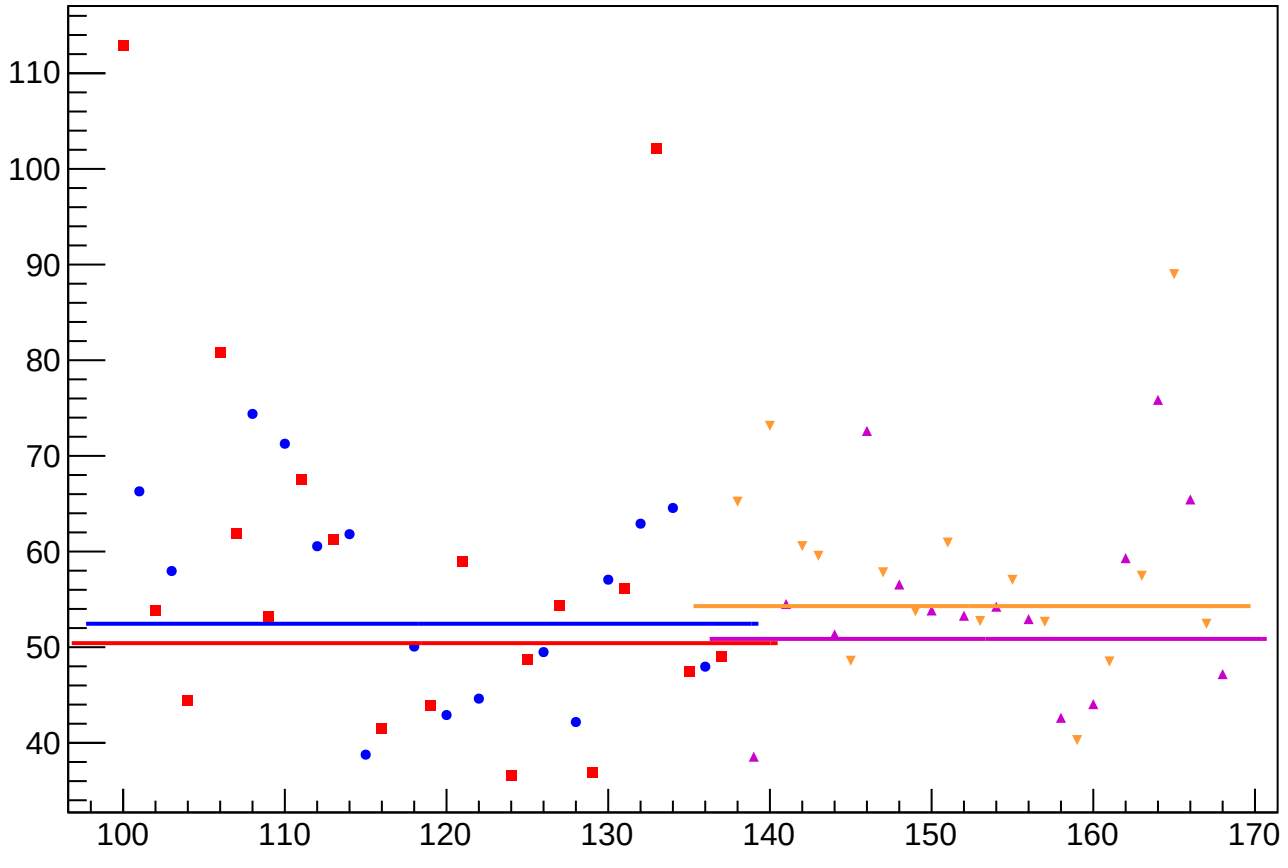
Left: 0.004+/-0.011 χ^2/NDF: 51.1/30

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.3/30

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.006+/-0.009 χ^2/NDF: 76.6/65



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2/NDF:618532.9/15

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.867+/-0.011 χ^2/NDF:646948.7/14

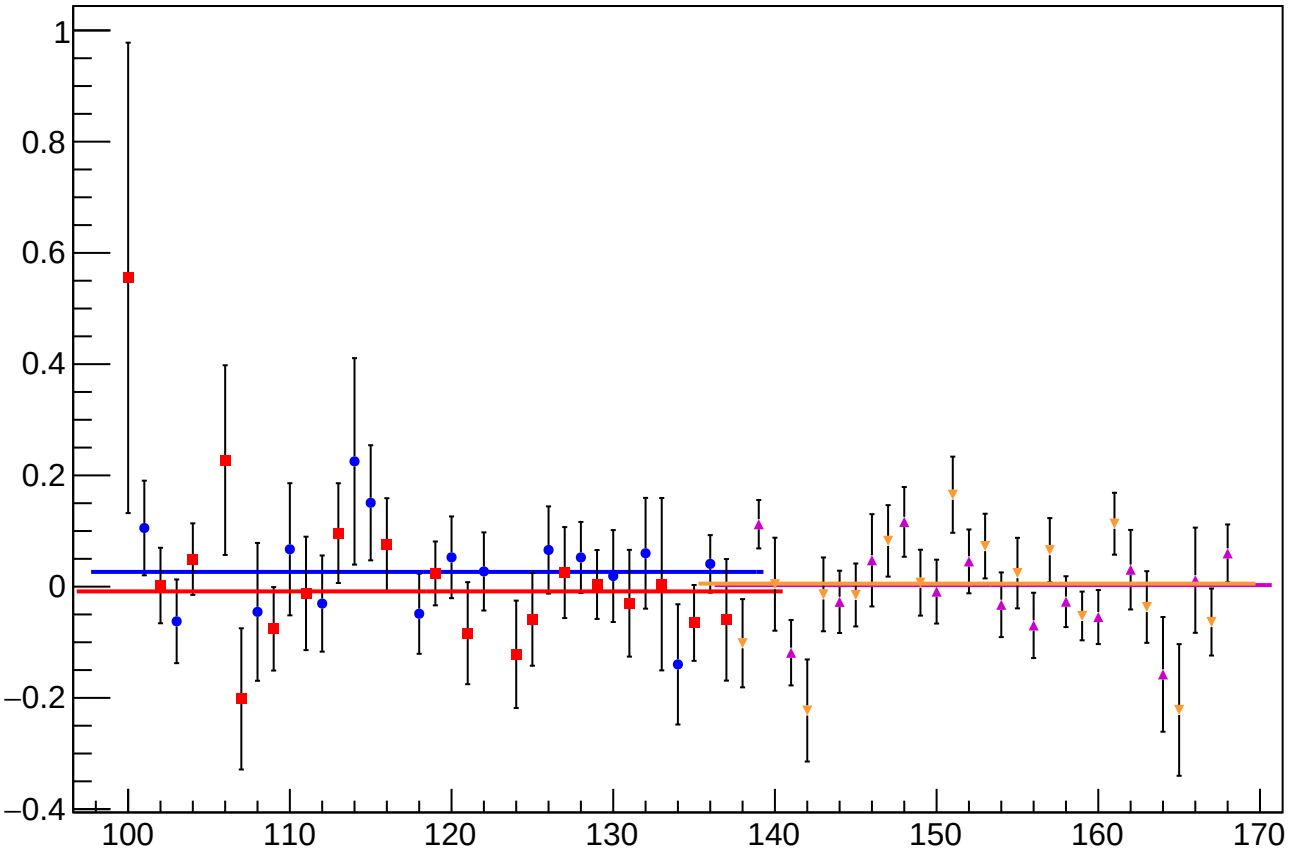
Left: 52.494+/-0.008 χ^2/NDF: 1314523.1/30

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.427+/-0.009 χ^2/NDF:1072756.9/30

Out: 52.751+/-0.009 χ^2/NDF:1342776.3/34

All: 52.079+/-0.006 χ^2/NDF: 2427293.9/65



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.015 χ^2/NDF:22.5/14

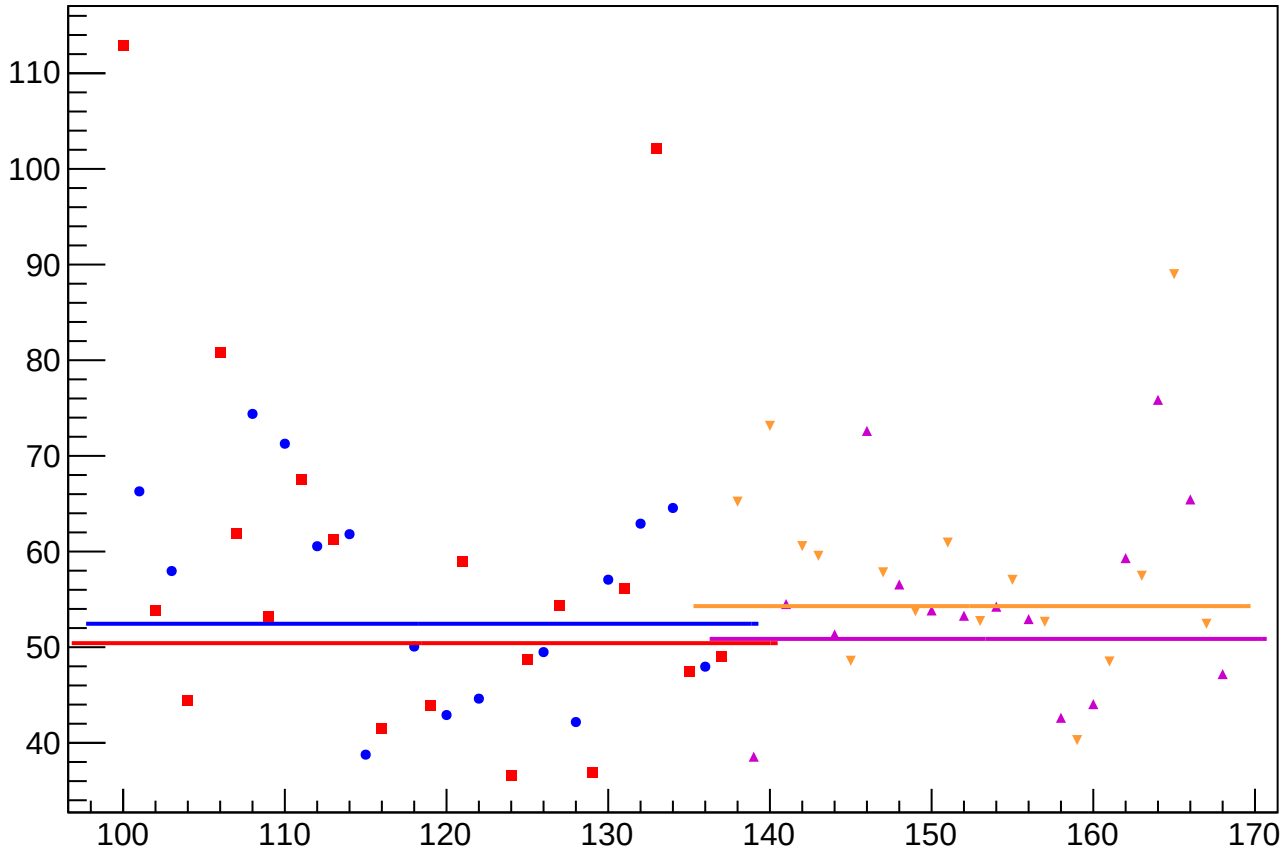
Left: 0.004+/-0.011 χ^2/NDF: 51.1/30

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.3/30

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.006+/-0.009 χ^2/NDF: 76.6/65



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.293+/-0.011 χ^2/NDF:618532.9/15

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.867+/-0.011 χ^2/NDF:646948.7/14

Left: 52.494+/-0.008 χ^2/NDF: 1314523.1/30

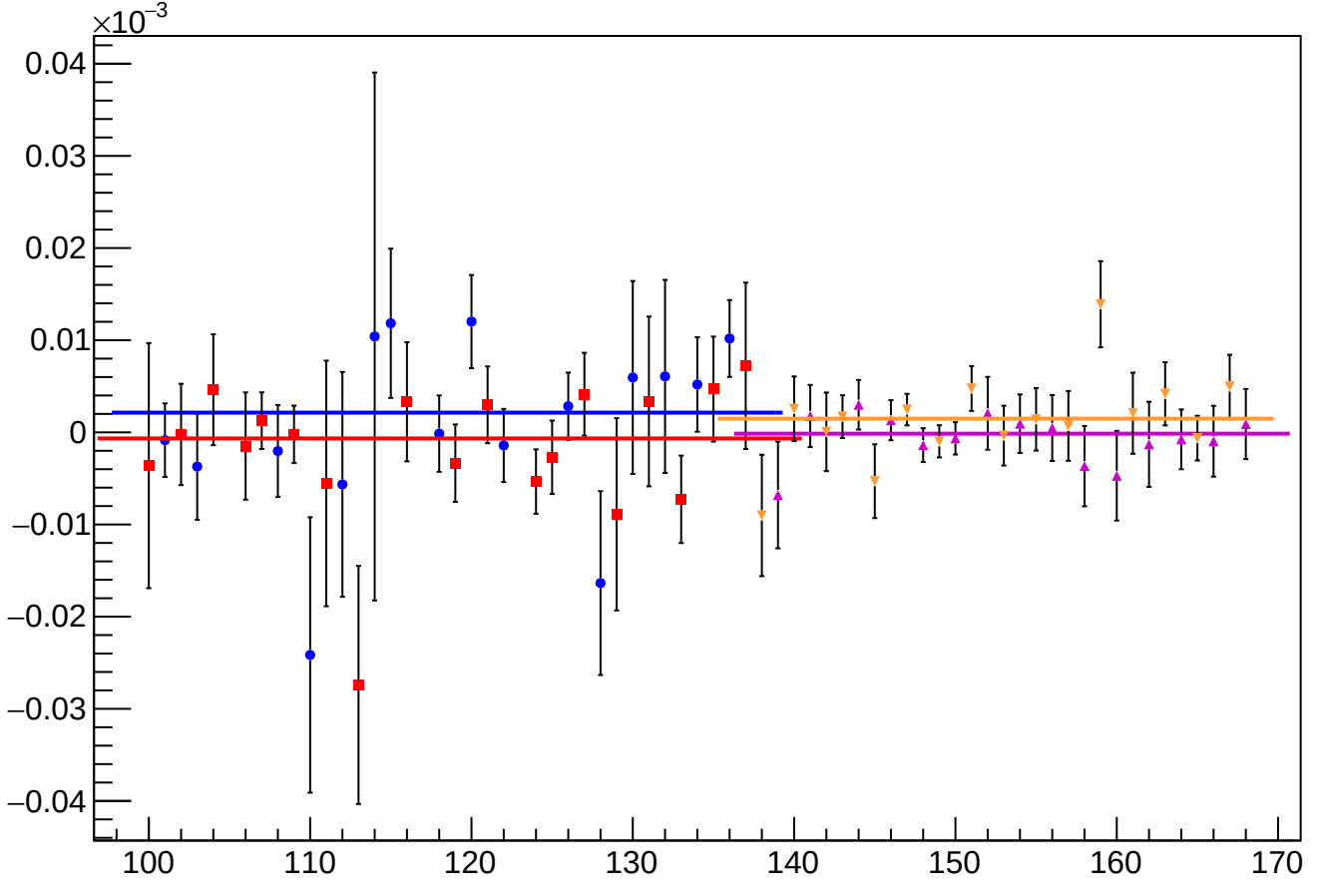
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.427+/-0.009 χ^2/NDF:1072756.9/30

Out: 52.751+/-0.009 χ^2/NDF:1342776.3/34

All: 52.079+/-0.006 χ^2/NDF: 2427293.9/65

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/14

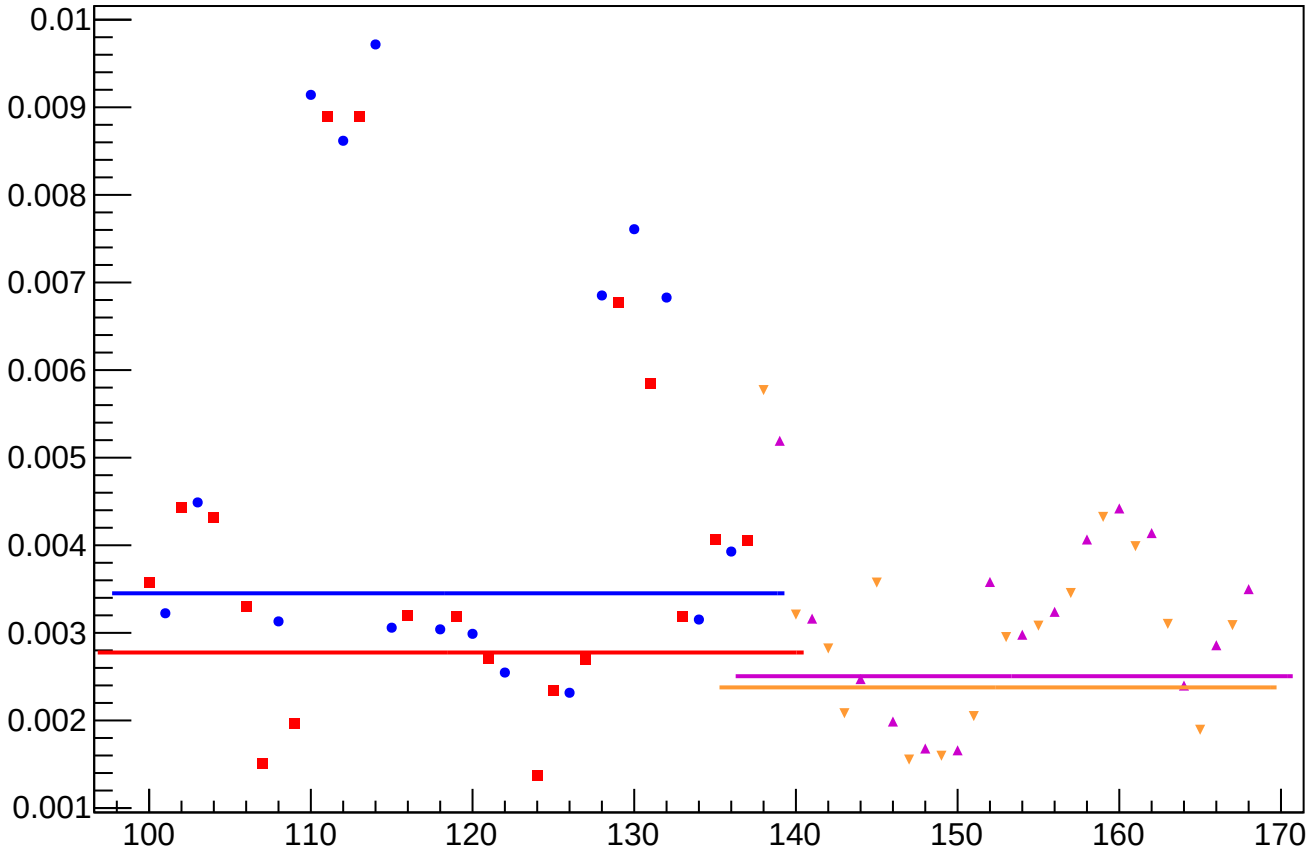
Left: 0.000+/-0.000 χ^2/NDF: 28.2/30

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.4/30

Out: 0.000+/-0.000 χ^2/NDF:36.9/34

All: 0.000+/-0.000 χ^2/NDF: 65.6/65



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2957350.5/15

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2740547.3/14

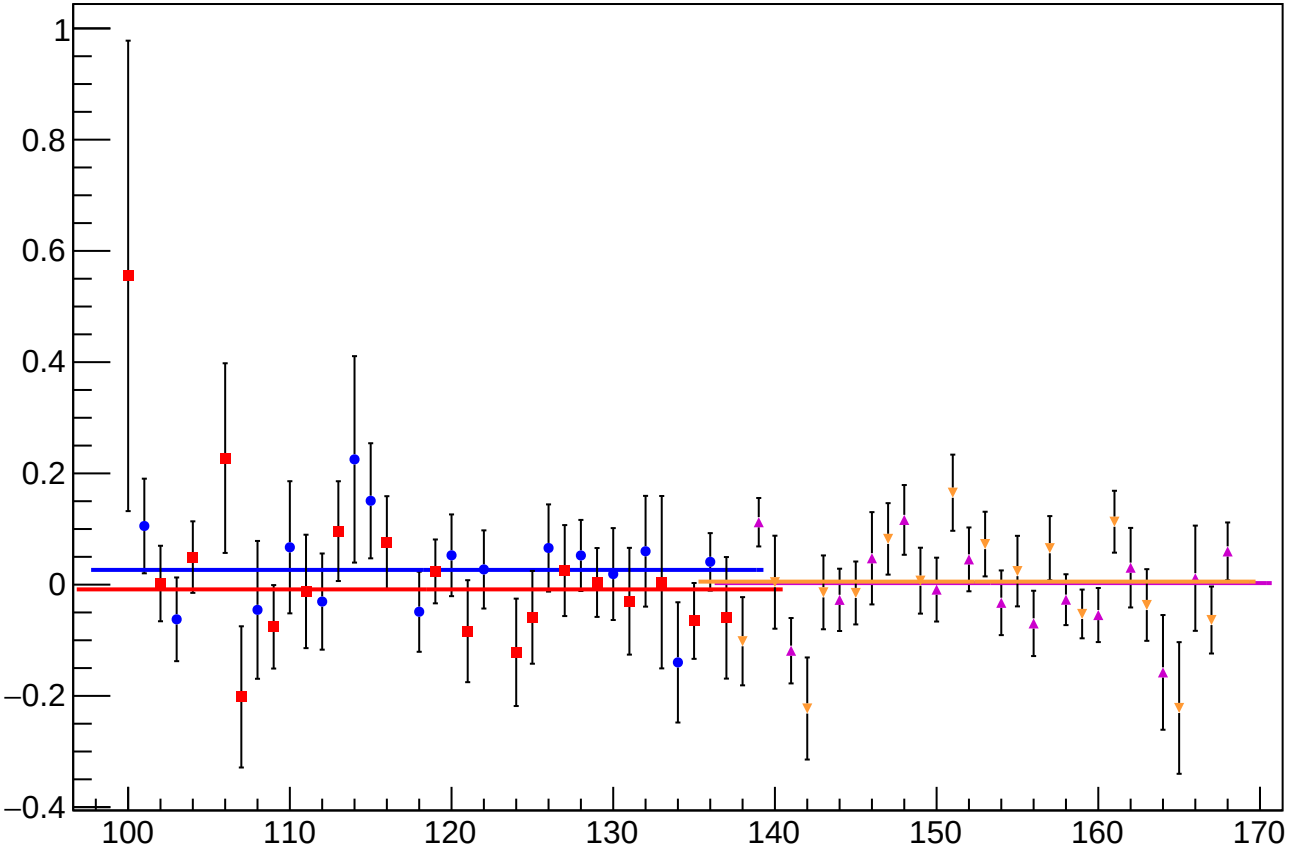
Left: 0.002+/-0.000 χ^2/NDF: 5727492.8/30

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5406240.6/30

Out: 0.002+/-0.000 χ^2/NDF:5865195.3/34

All: 0.003+/-0.000 χ^2/NDF: 11408542.5/65



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.015 χ^2/NDF:22.5/14

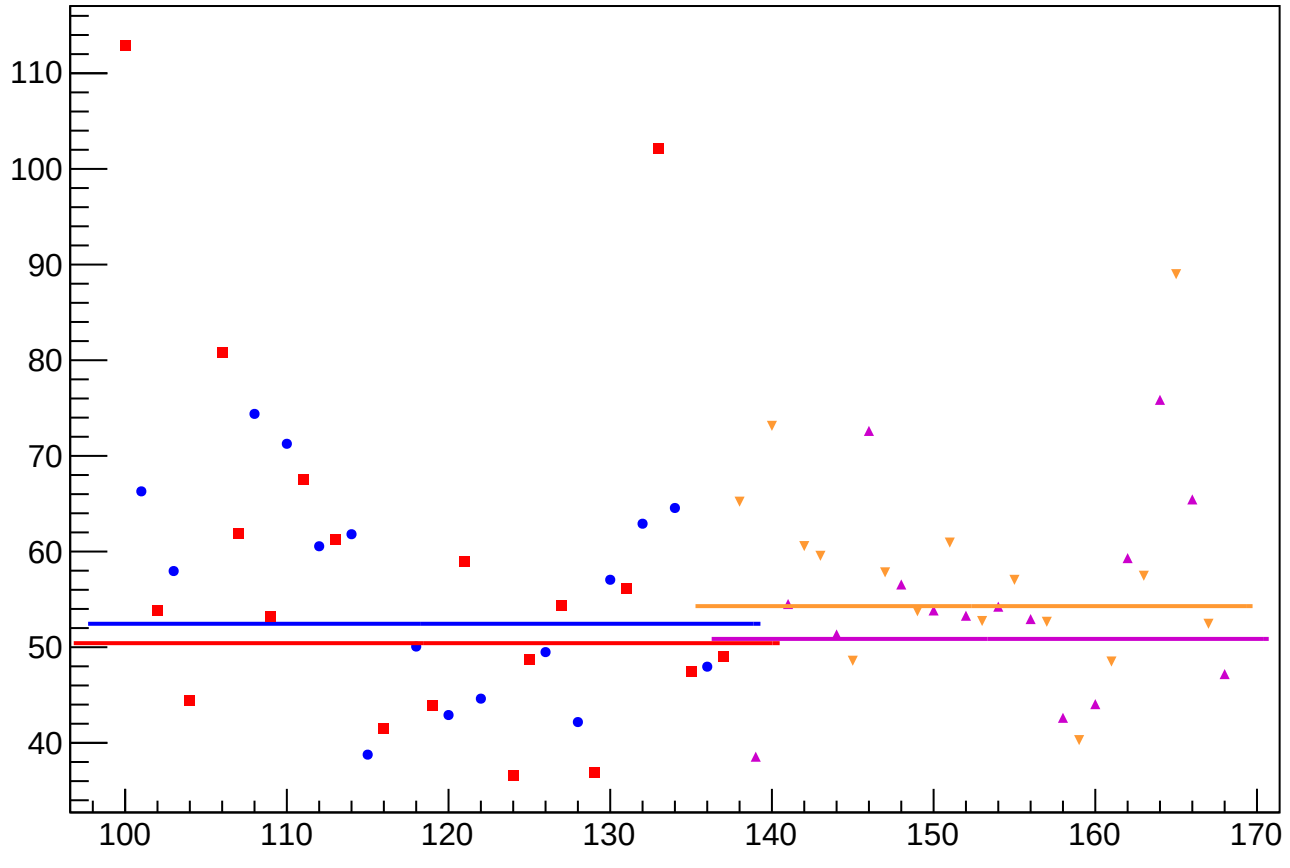
Left: 0.004+/-0.011 χ^2/NDF: 51.1/30

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.3/30

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.006+/-0.009 χ^2/NDF: 76.6/65



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.294+/-0.011 χ^2/NDF:618549.2/15

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.868+/-0.011 χ^2/NDF:647034.7/14

Left: 52.494+/-0.008 χ^2/NDF: 1314629.9/30

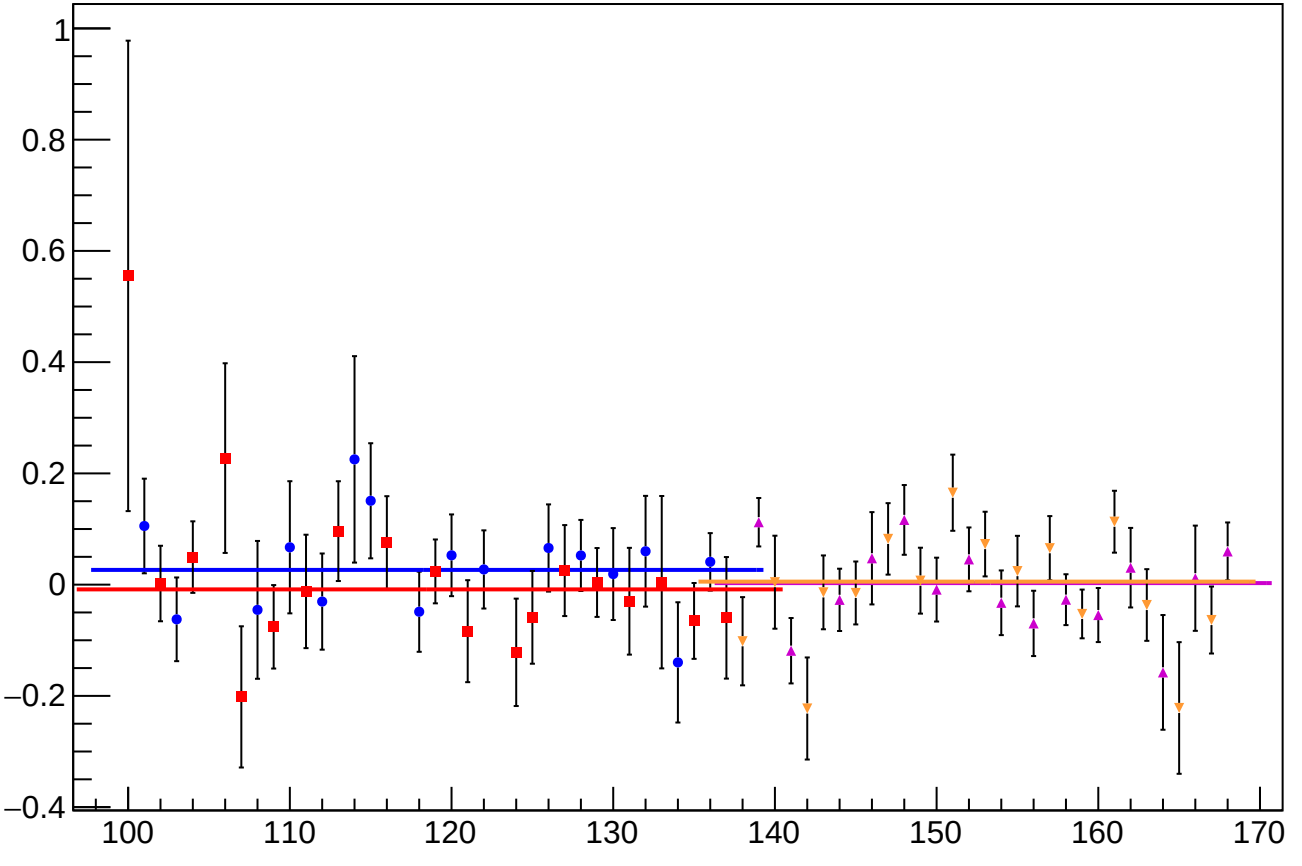
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.426+/-0.009 χ^2/NDF:1072782.9/30

Out: 52.751+/-0.009 χ^2/NDF:1342836.0/34

All: 52.079+/-0.006 χ^2/NDF: 2427379.6/65

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: 0.005+/-0.016 χ^2/NDF:28.6/15

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.015 χ^2/NDF:22.5/14

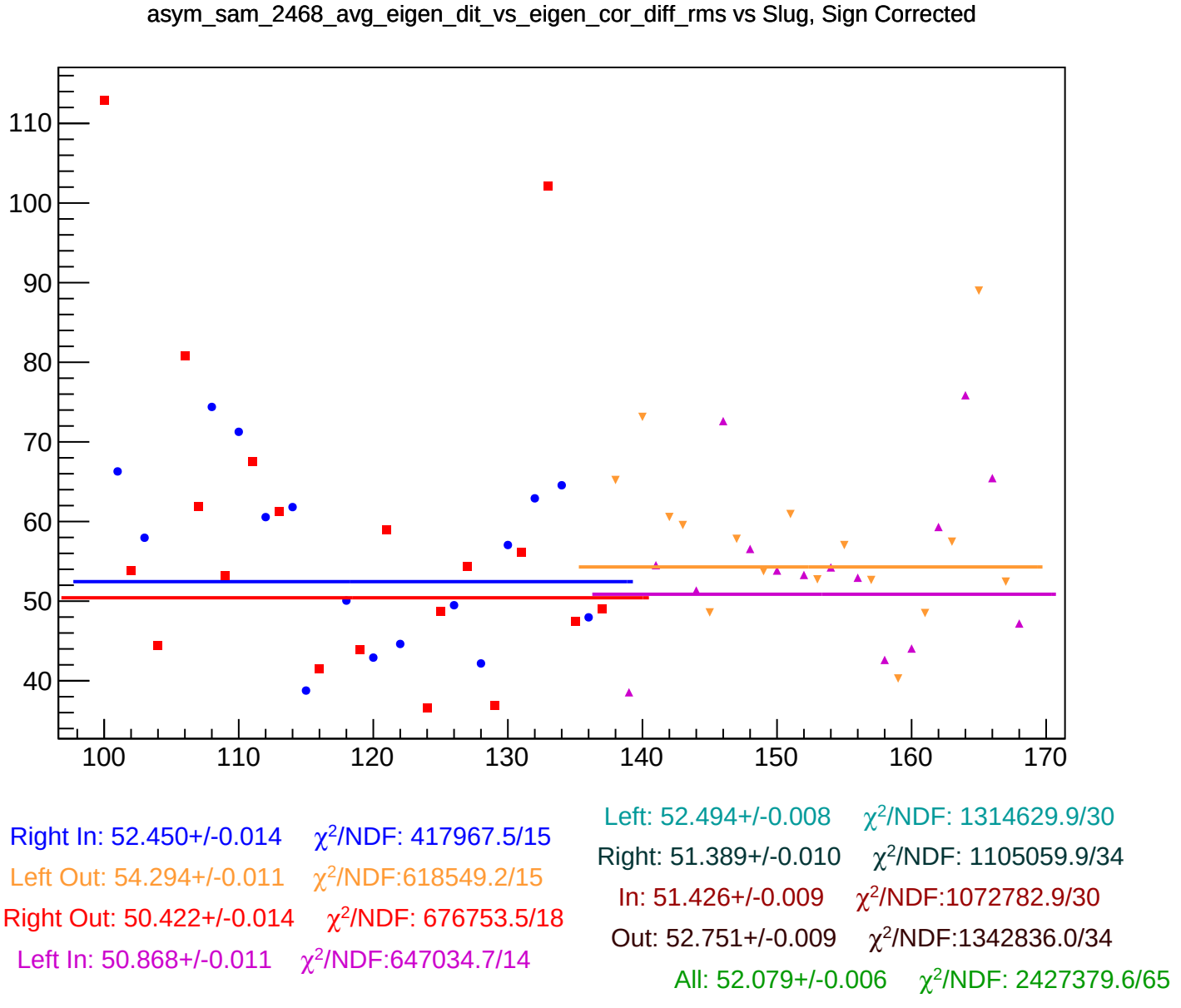
Left: 0.004+/-0.011 χ^2/NDF: 51.1/30

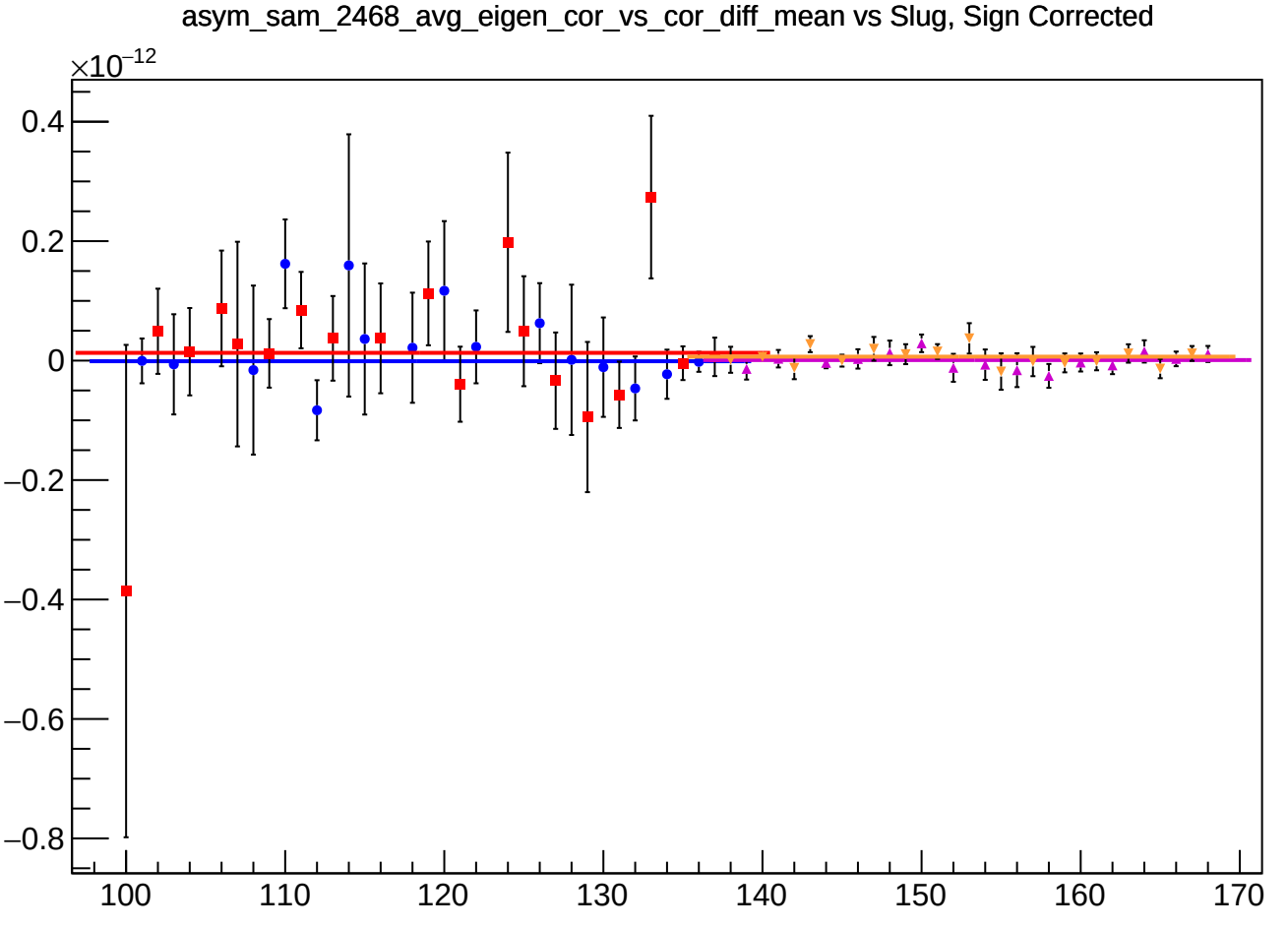
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

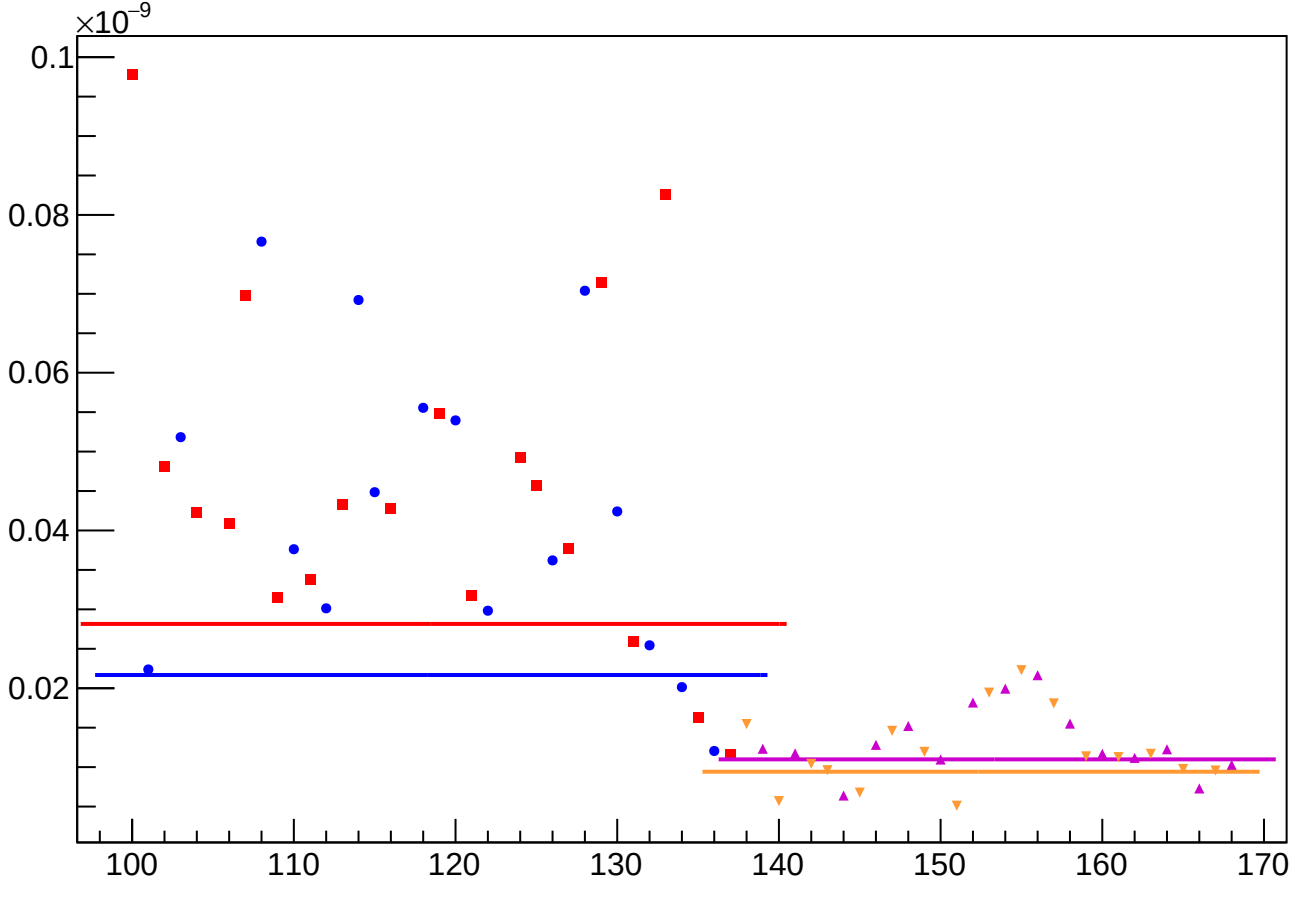
In: 0.011+/-0.012 χ^2/NDF:33.3/30

Out: -0.000+/-0.012 χ^2/NDF:42.8/34

All: 0.006+/-0.009 χ^2/NDF: 76.6/65


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
170
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 54.294+/-0.011 χ²/NDF:618549.2/15
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 50.868+/-0.011 χ²/NDF:647034.7/14
Left: 52.494+/-0.008 χ²/NDF: 1314629.9/30
Right: 51.389+/-0.010 χ²/NDF: 1105059.9/34
In: 51.426+/-0.009 χ²/NDF:1072782.9/30
Out: 52.751+/-0.009 χ²/NDF:1342836.0/34
All: 52.079+/-0.006 χ²/NDF: 2427379.6/65


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:9.1/14
Left: 0.000+/-0.000 χ²/NDF: 19.8/30
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:20.4/30
Out: 0.000+/-0.000 χ²/NDF:23.5/34
All: 0.000+/-0.000 χ²/NDF: 45.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2160256.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1663368.4/14

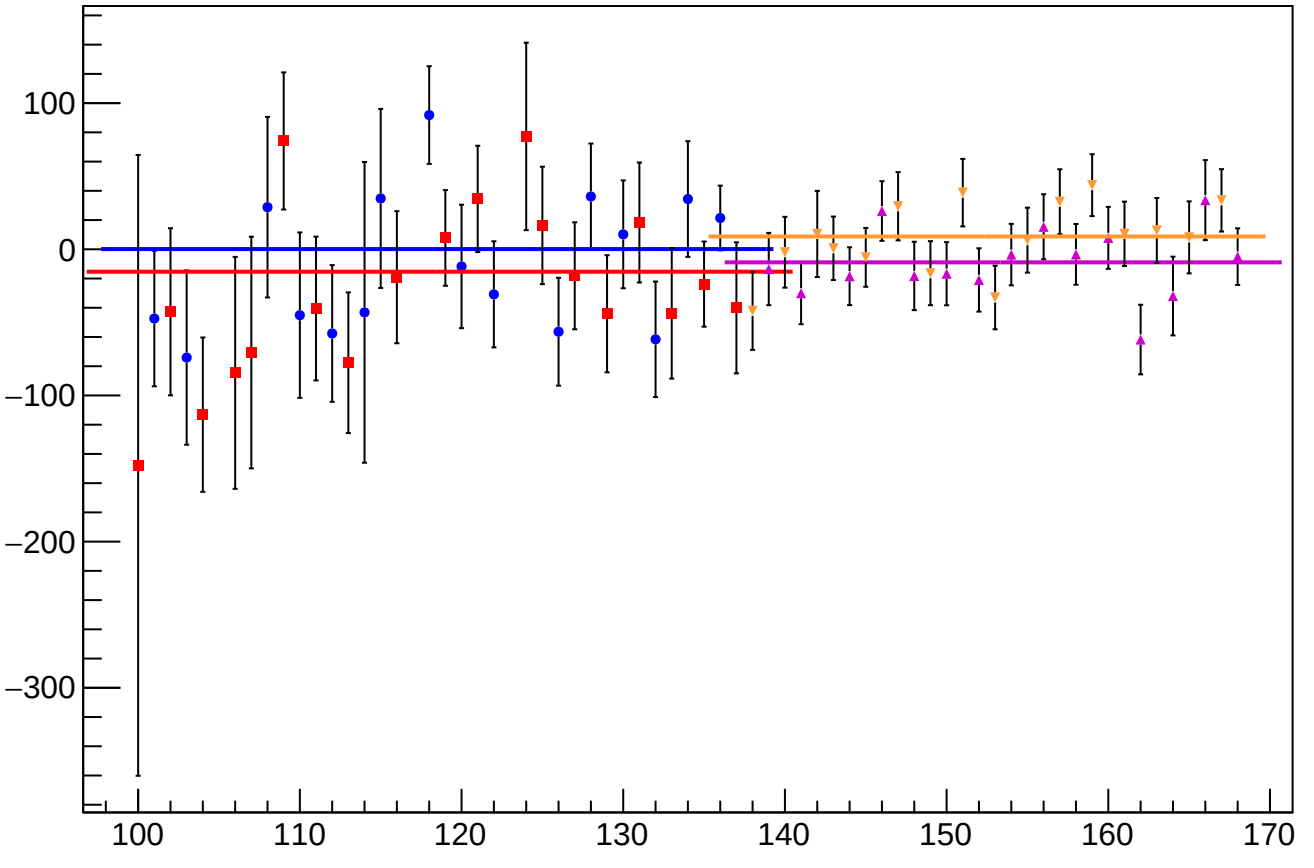
Left: 0.000+/-0.000 χ^2/NDF: 3990190.2/30

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5618582.1/30

Out: 0.000+/-0.000 χ^2/NDF:7682037.6/34

All: 0.000+/-0.000 χ^2/NDF: 13474593.6/65



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.931+/-5.692 χ^2/NDF:14.9/14

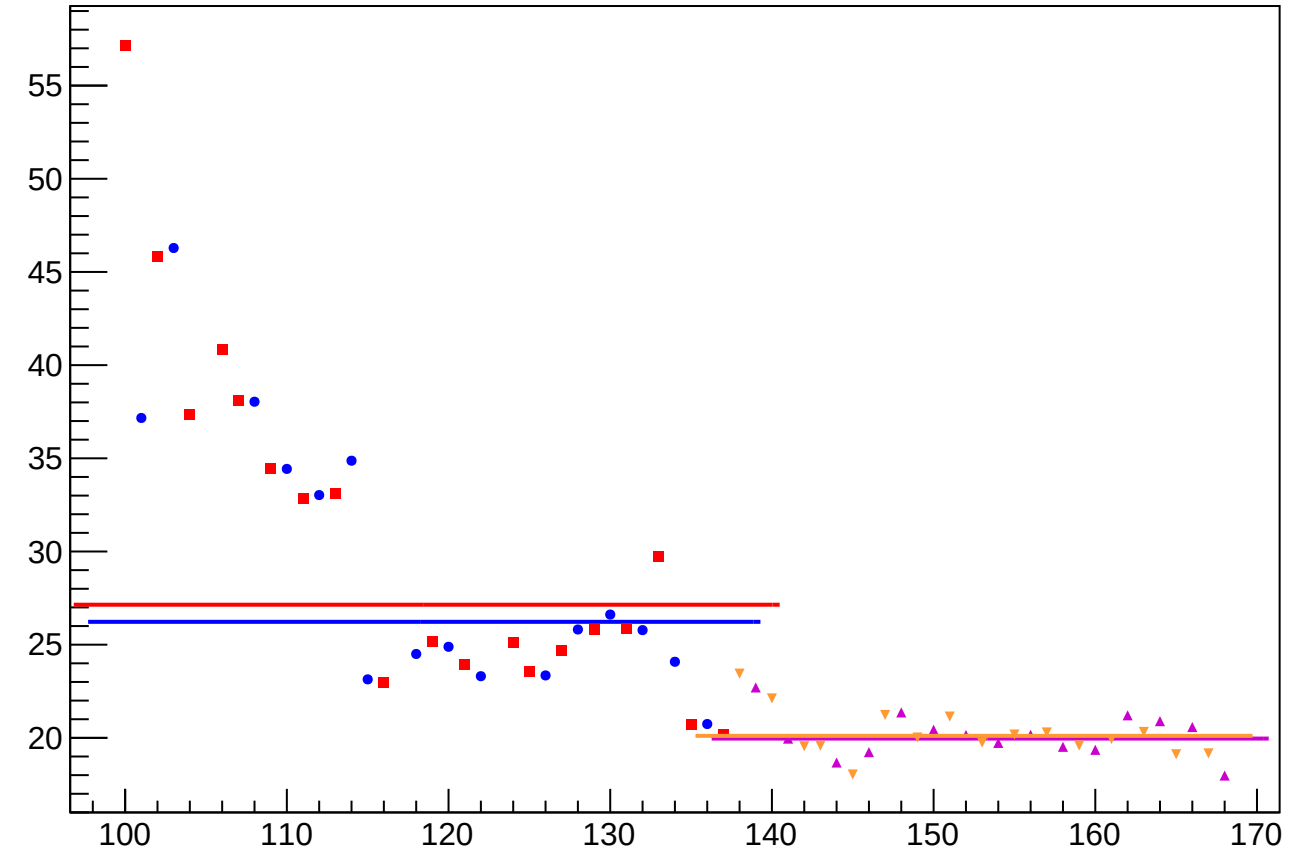
Left: -0.065+/-4.021 χ^2/NDF: 37.0/30

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.723+/-4.953 χ^2/NDF:36.8/30

Out: 3.117+/-4.971 χ^2/NDF:39.4/34

All: -1.821+/-3.509 χ^2/NDF: 78.2/65



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

Left: 20.036+/-0.003 χ^2/NDF: 163532.9/30

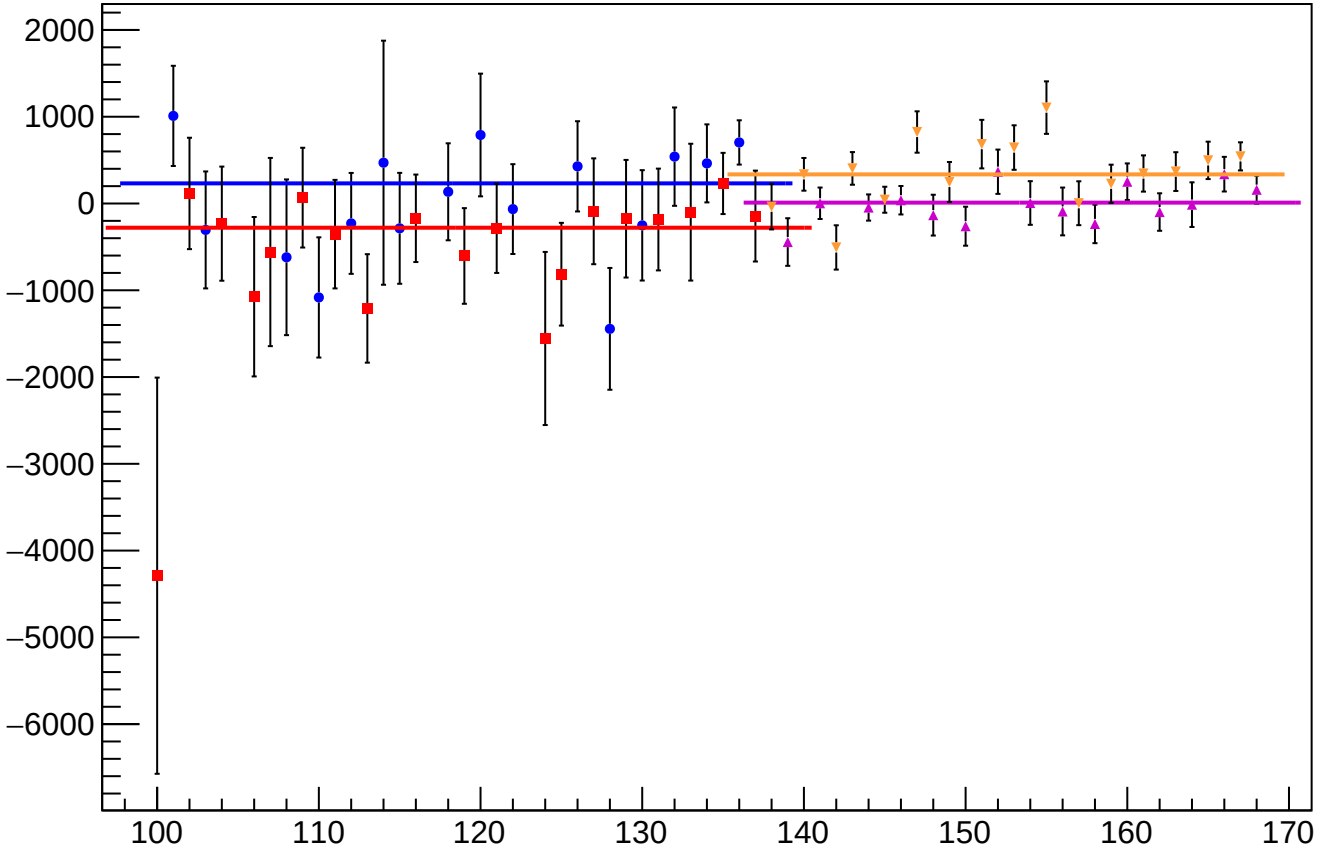
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.484+/-0.004 χ^2/NDF:1341386.2/30

Out: 21.758+/-0.004 χ^2/NDF:1560764.4/34

All: 21.621+/-0.002 χ^2/NDF: 2905205.1/65

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.455+/-53.832 χ^2/NDF:34.9/15

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 10.177+/-53.474 χ^2/NDF:13.2/14

Left: 171.731+/-37.938 χ^2/NDF: 66.4/30

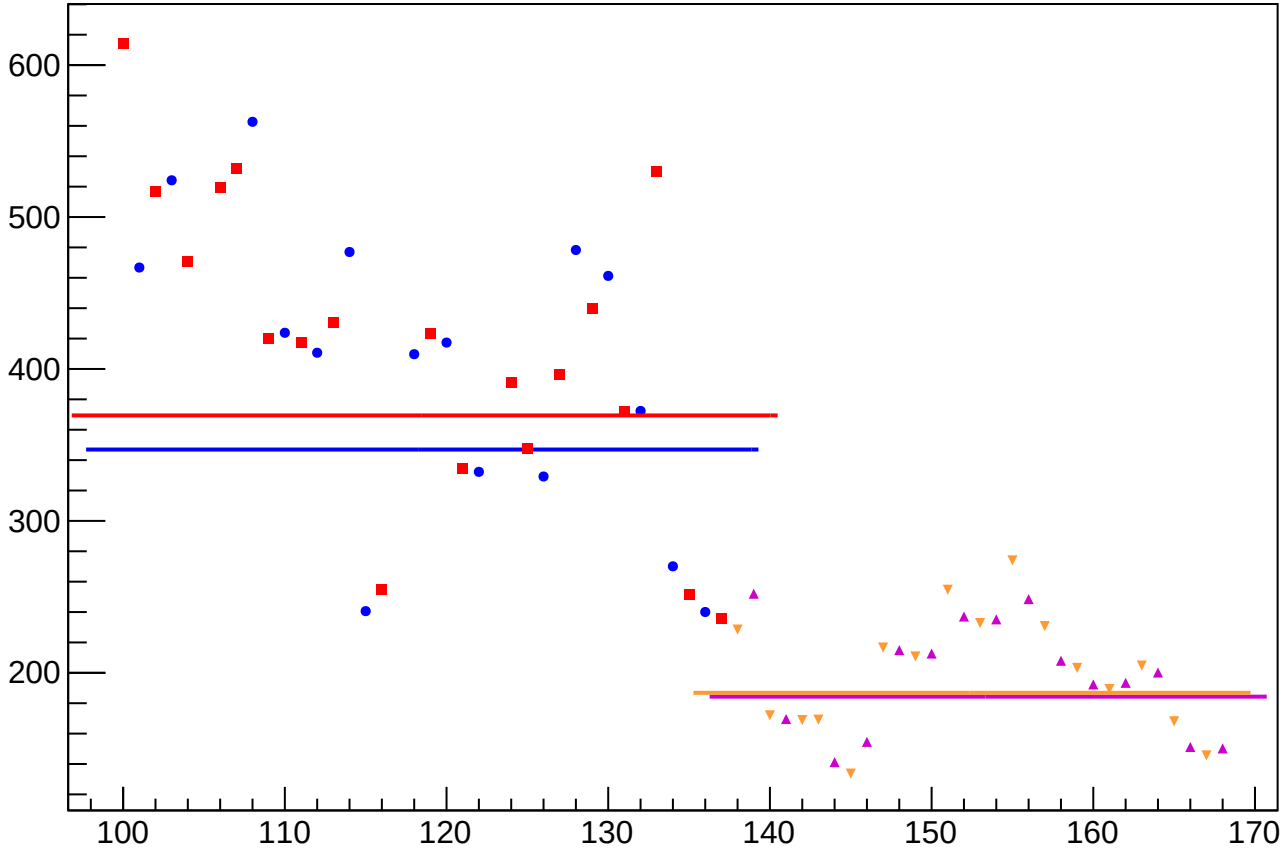
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 40.322+/-49.709 χ^2/NDF:35.2/30

Out: 256.270+/-50.244 χ^2/NDF:63.7/34

All: 147.141+/-35.337 χ^2/NDF: 108.2/65

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: 186.864+/-0.038 χ^2/NDF:972196.3/15

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 184.317+/-0.038 χ^2/NDF:886103.5/14

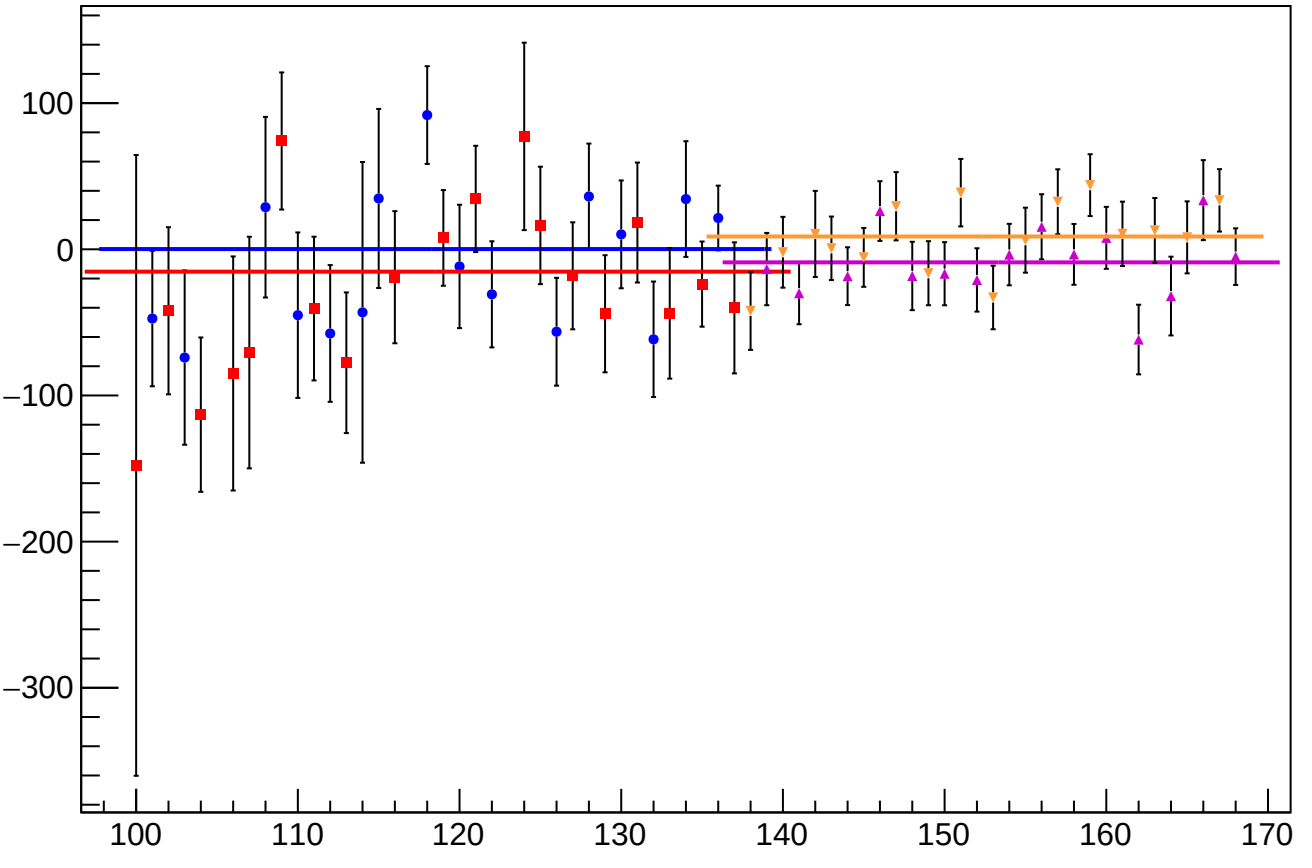
Left: 185.582+/-0.027 χ^2/NDF: 1860552.6/30

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 206.413+/-0.035 χ^2/NDF:4457772.8/30

Out: 210.387+/-0.036 χ^2/NDF:4854674.9/34

All: 208.379+/-0.025 χ^2/NDF: 9318772.6/65



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.931+/-5.692 χ^2/NDF:14.9/14

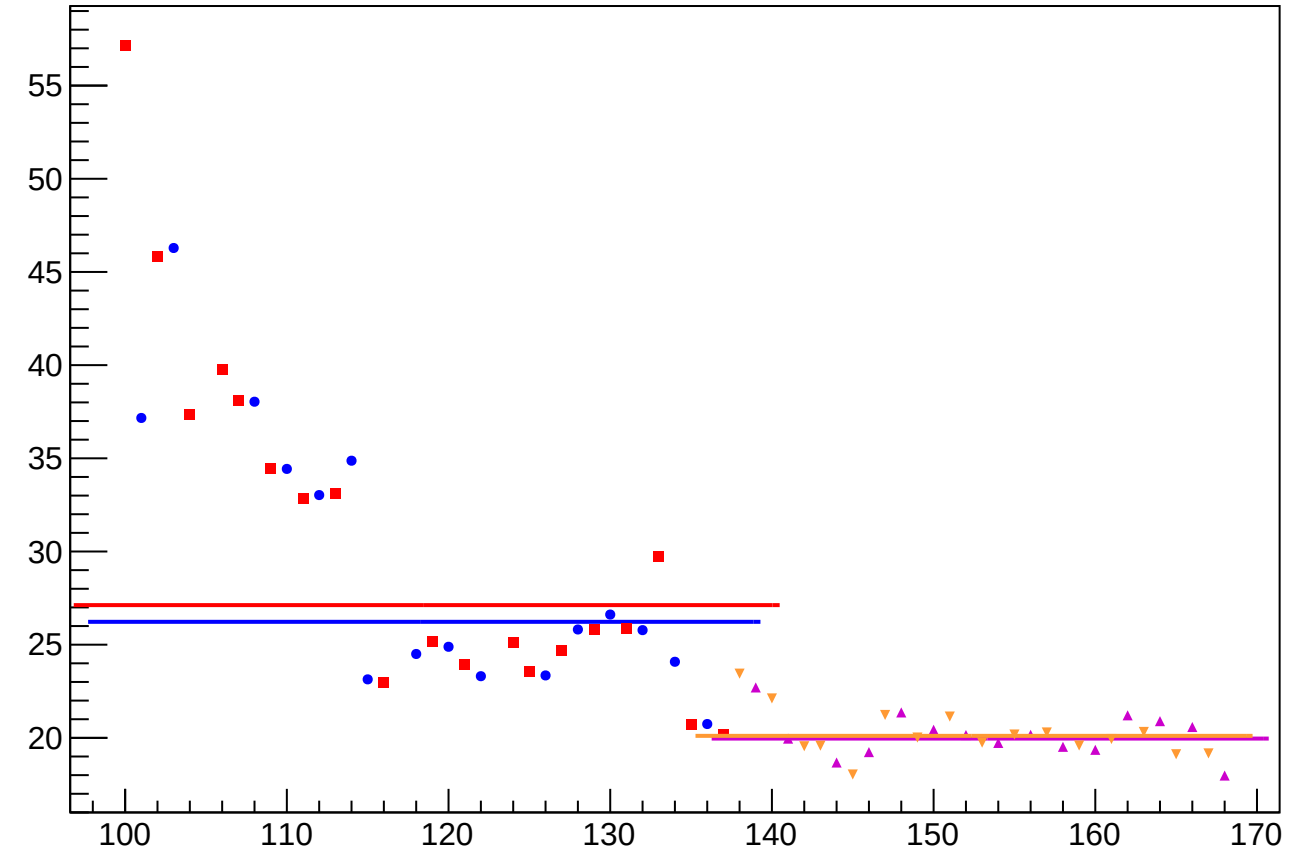
Left: -0.066+/-4.021 χ^2/NDF: 37.0/30

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.723+/-4.953 χ^2/NDF:36.8/30

Out: 3.128+/-4.971 χ^2/NDF:39.4/34

All: -1.816+/-3.509 χ^2/NDF: 78.2/65



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

Left: 20.036+/-0.003 χ^2/NDF: 163532.8/30

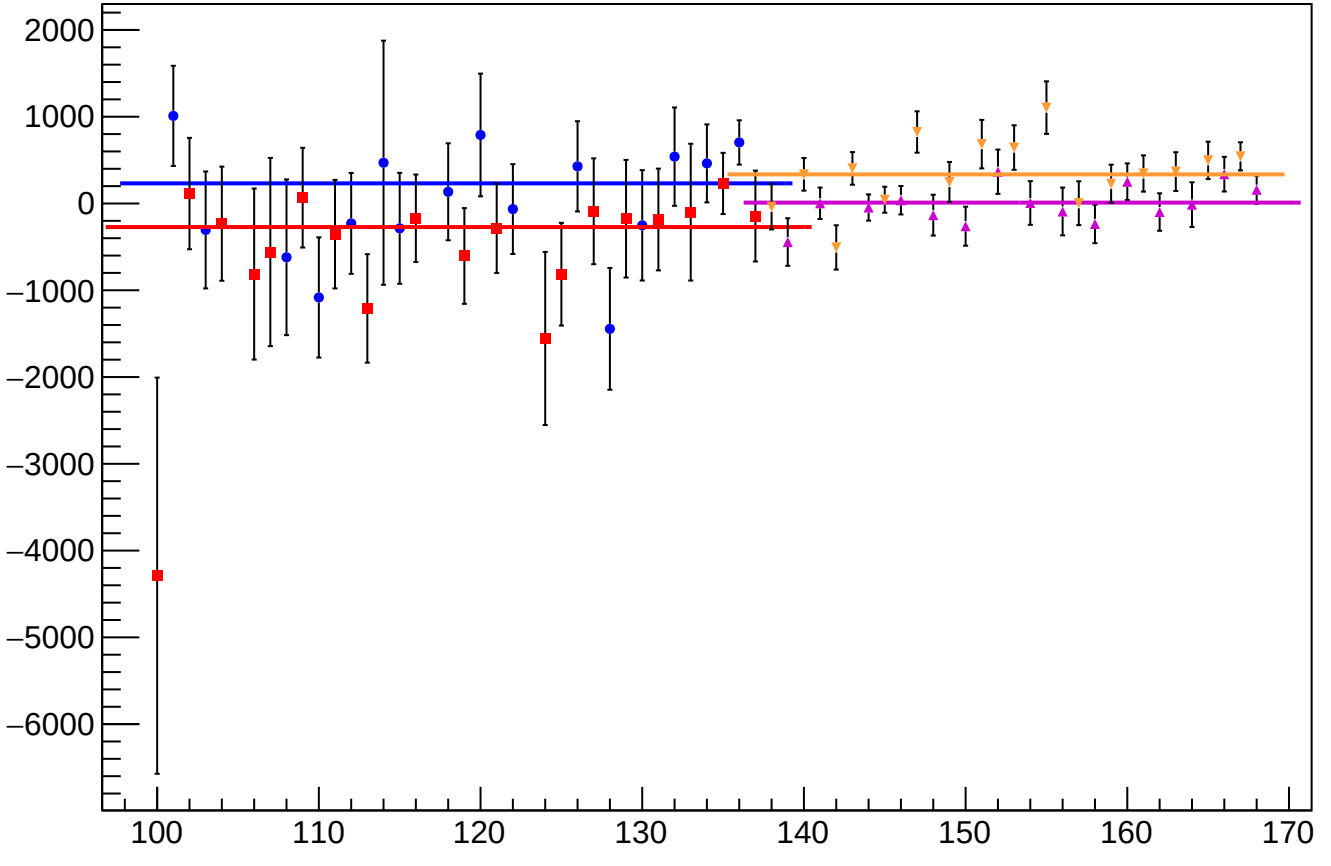
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.484+/-0.004 χ^2/NDF:1341389.5/30

Out: 21.753+/-0.004 χ^2/NDF:1546365.7/34

All: 21.618+/-0.002 χ^2/NDF: 2890687.1/65

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.453+/-53.832 χ^2/NDF:34.9/15

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 10.176+/-53.474 χ^2/NDF:13.2/14

Left: 171.730+/-37.938 χ^2/NDF: 66.4/30

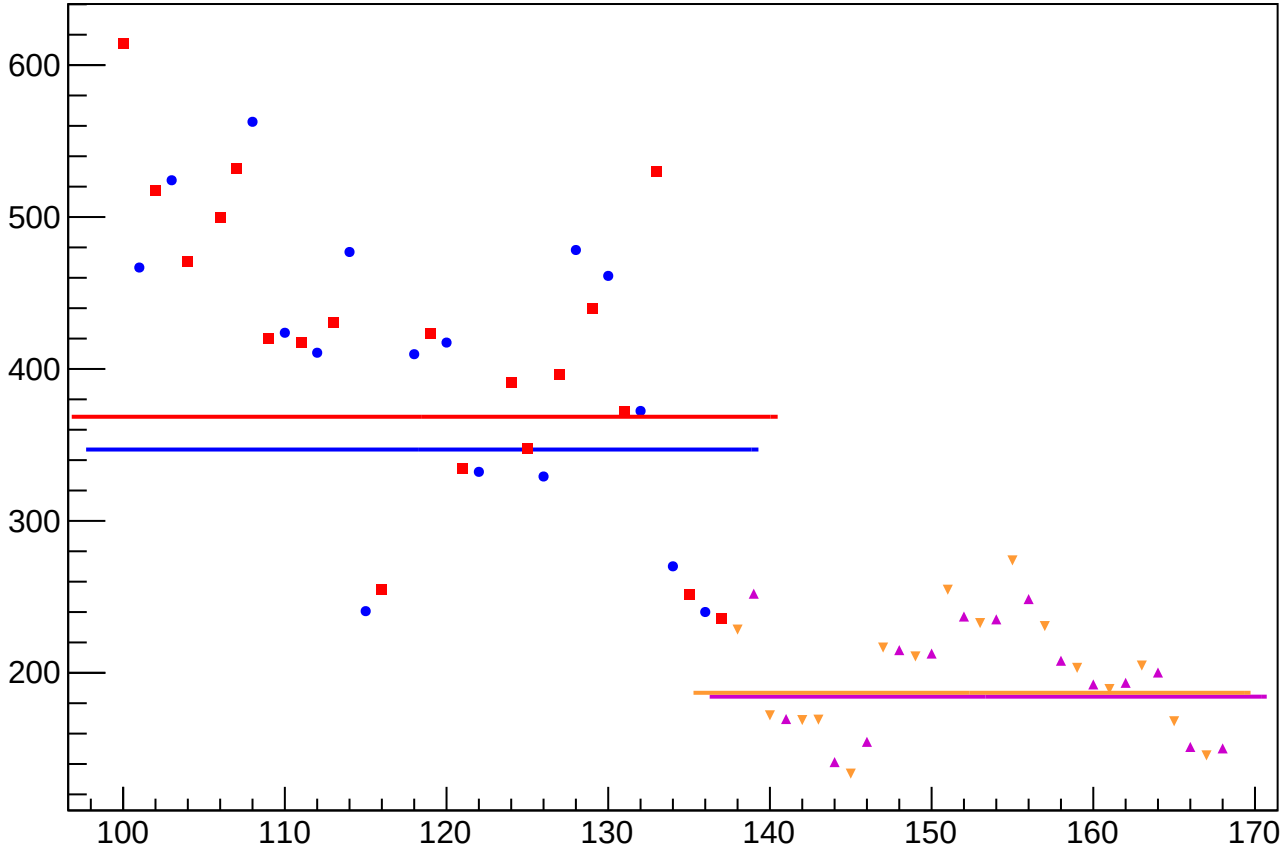
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 40.321+/-49.709 χ^2/NDF:35.2/30

Out: 257.463+/-50.254 χ^2/NDF:62.8/34

All: 147.709+/-35.341 χ^2/NDF: 107.4/65

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: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 184.318+/-0.038 χ^2/NDF:886100.8/14

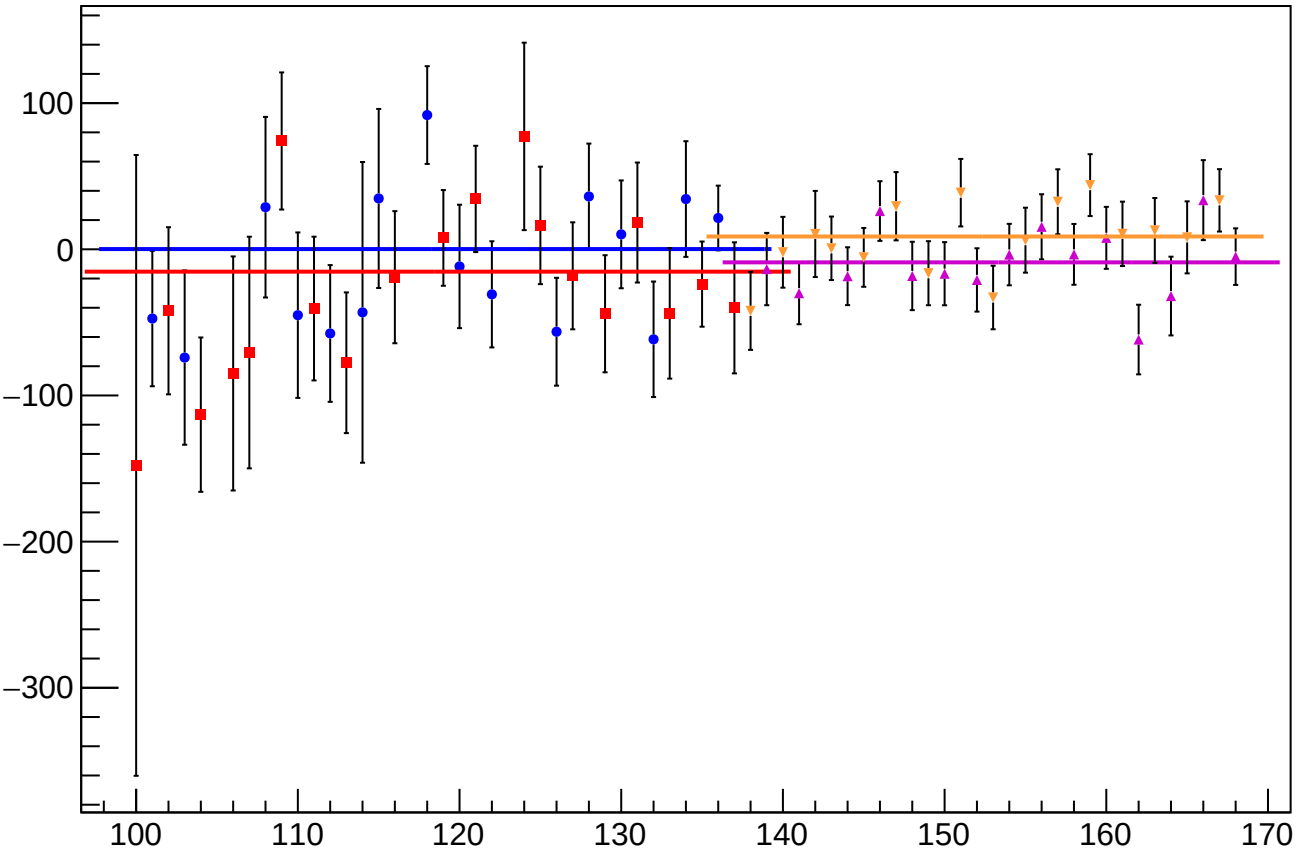
Left: 185.582+/-0.027 χ^2/NDF: 1860552.7/30

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 206.413+/-0.035 χ^2/NDF:4457793.0/30

Out: 210.212+/-0.036 χ^2/NDF:4800029.3/34

All: 208.292+/-0.025 χ^2/NDF: 9263600.9/65



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.767+/-5.682 χ^2/NDF:17.3/15

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.931+/-5.692 χ^2/NDF:14.9/14

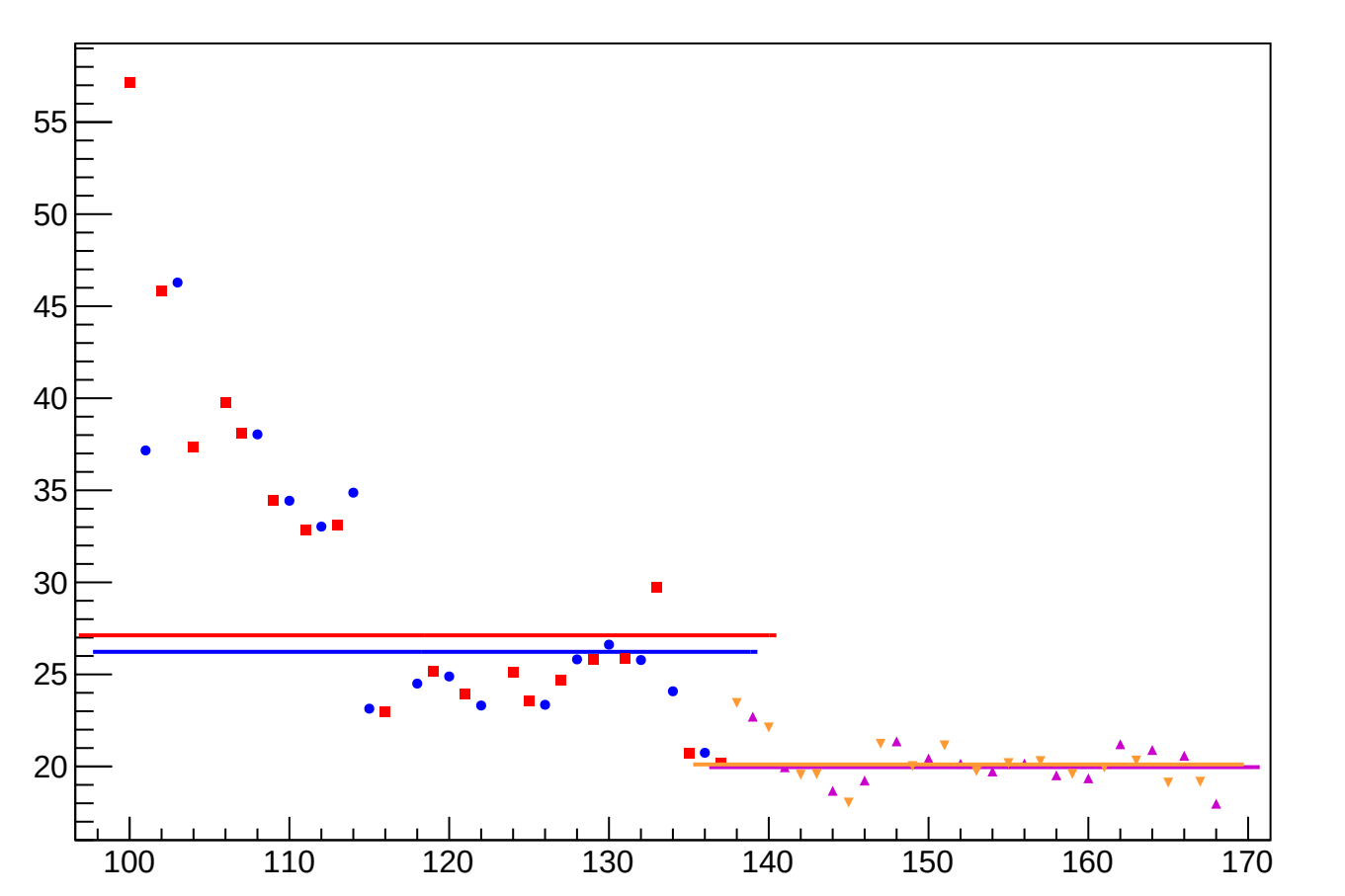
Left: -0.066+/-4.021 χ^2/NDF: 37.0/30

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.723+/-4.953 χ^2/NDF:36.8/30

Out: 3.128+/-4.971 χ^2/NDF:39.4/34

All: -1.816+/-3.509 χ^2/NDF: 78.2/65



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.109+/-0.004 χ^2/NDF:86141.5/15

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.962+/-0.004 χ^2/NDF:76725.8/14

Left: 20.036+/-0.003 χ^2/NDF: 163532.8/30

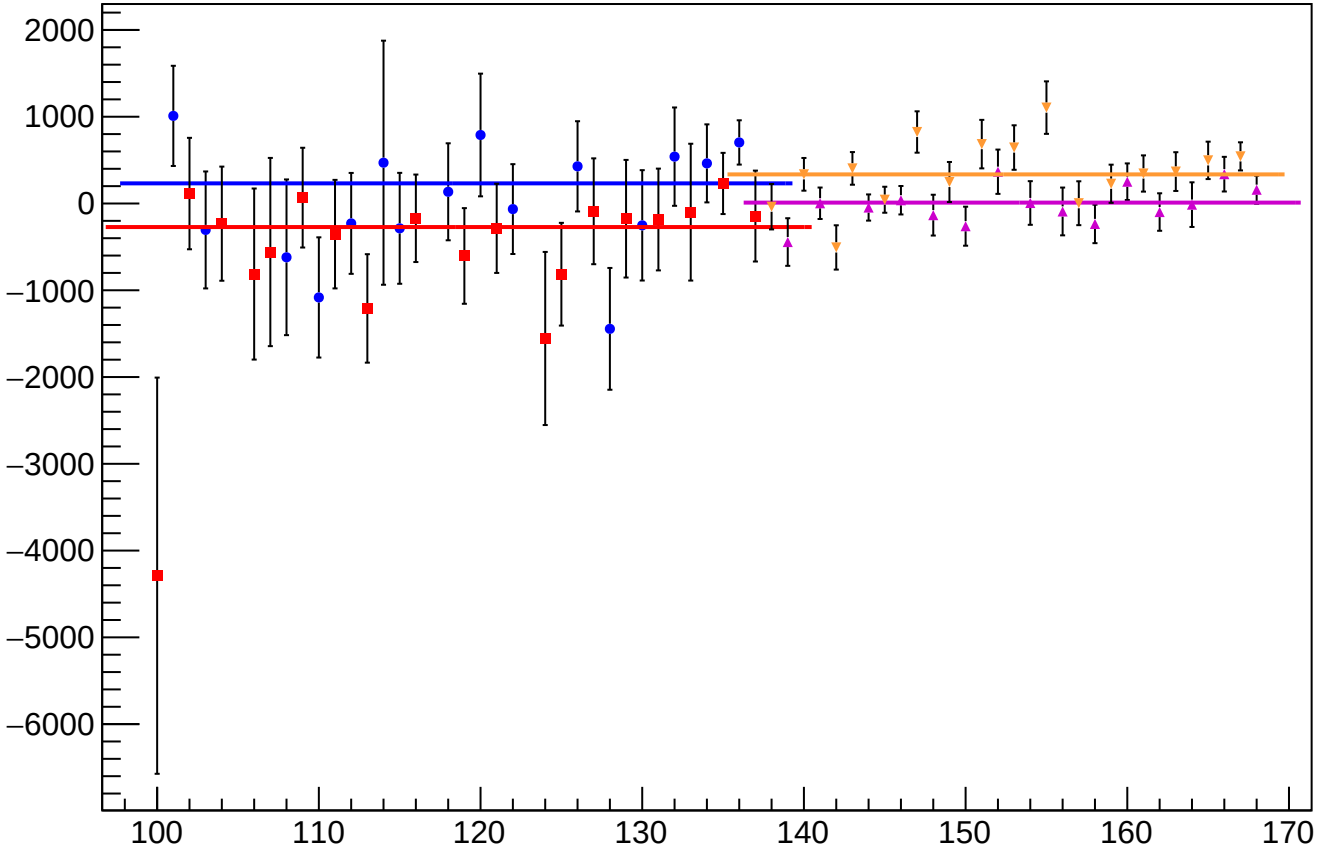
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.484+/-0.004 χ^2/NDF:1341389.5/30

Out: 21.753+/-0.004 χ^2/NDF:1546365.7/34

All: 21.618+/-0.002 χ^2/NDF: 2890687.1/65

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 335.453+/-53.832 χ^2/NDF:34.9/15

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 10.176+/-53.474 χ^2/NDF:13.2/14

Left: 171.730+/-37.938 χ^2/NDF: 66.4/30

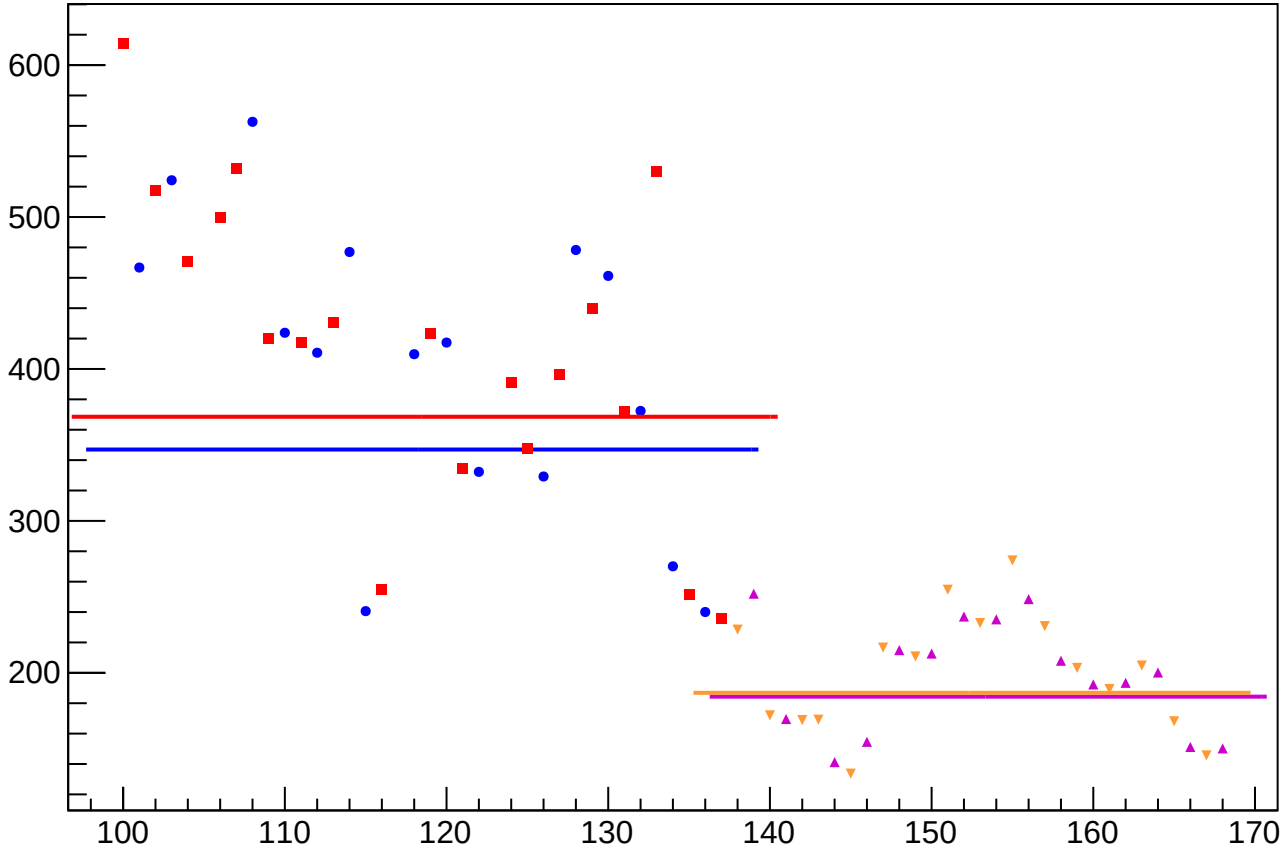
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 40.321+/-49.709 χ^2/NDF:35.2/30

Out: 257.463+/-50.254 χ^2/NDF:62.8/34

All: 147.709+/-35.341 χ^2/NDF: 107.4/65

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: 186.864+/-0.038 χ^2/NDF:972199.4/15

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 184.318+/-0.038 χ^2/NDF:886100.8/14

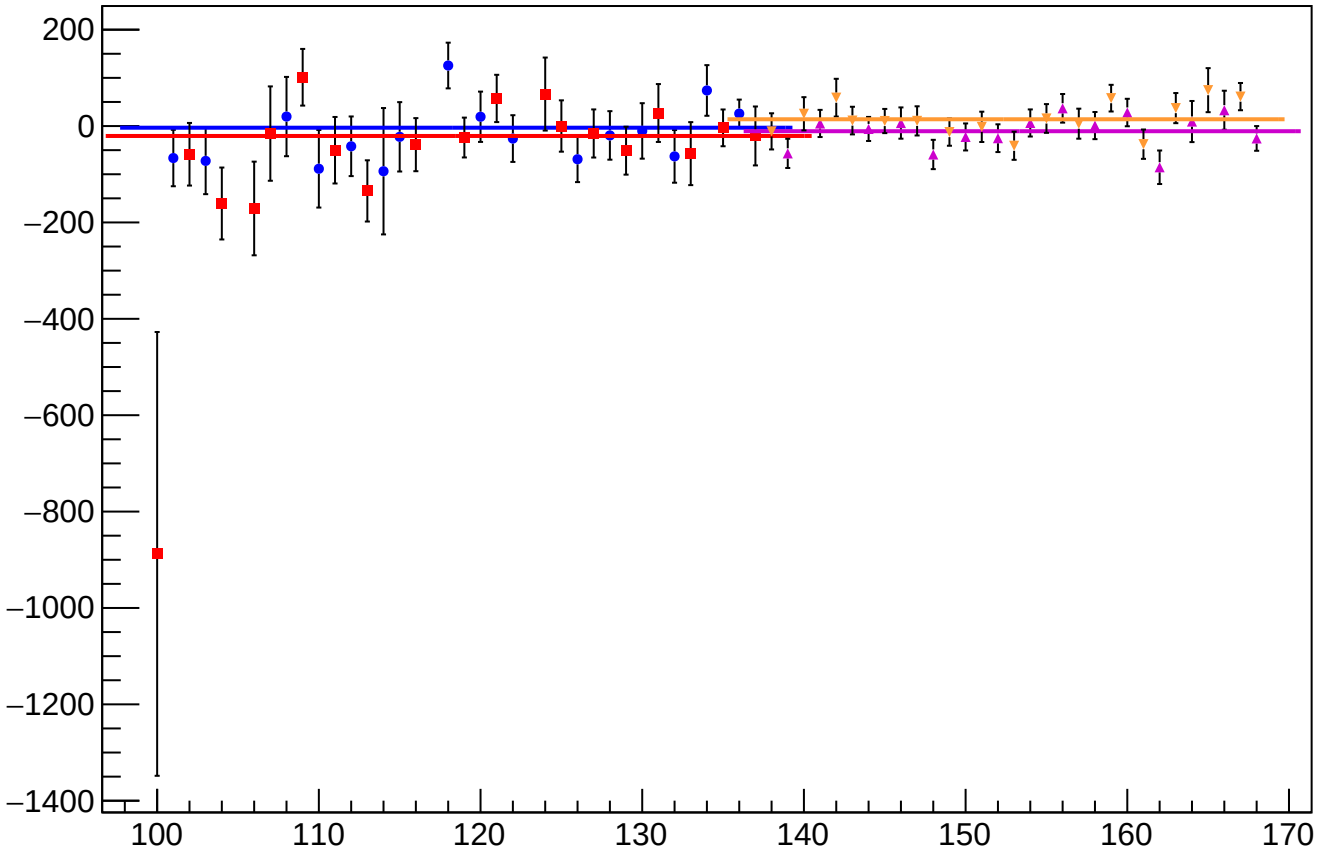
Left: 185.582+/-0.027 χ^2/NDF: 1860552.7/30

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 206.413+/-0.035 χ^2/NDF:4457793.0/30

Out: 210.212+/-0.036 χ^2/NDF:4800029.3/34

All: 208.292+/-0.025 χ^2/NDF: 9263600.9/65



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.701+/-7.700 χ^2/NDF:17.2/14

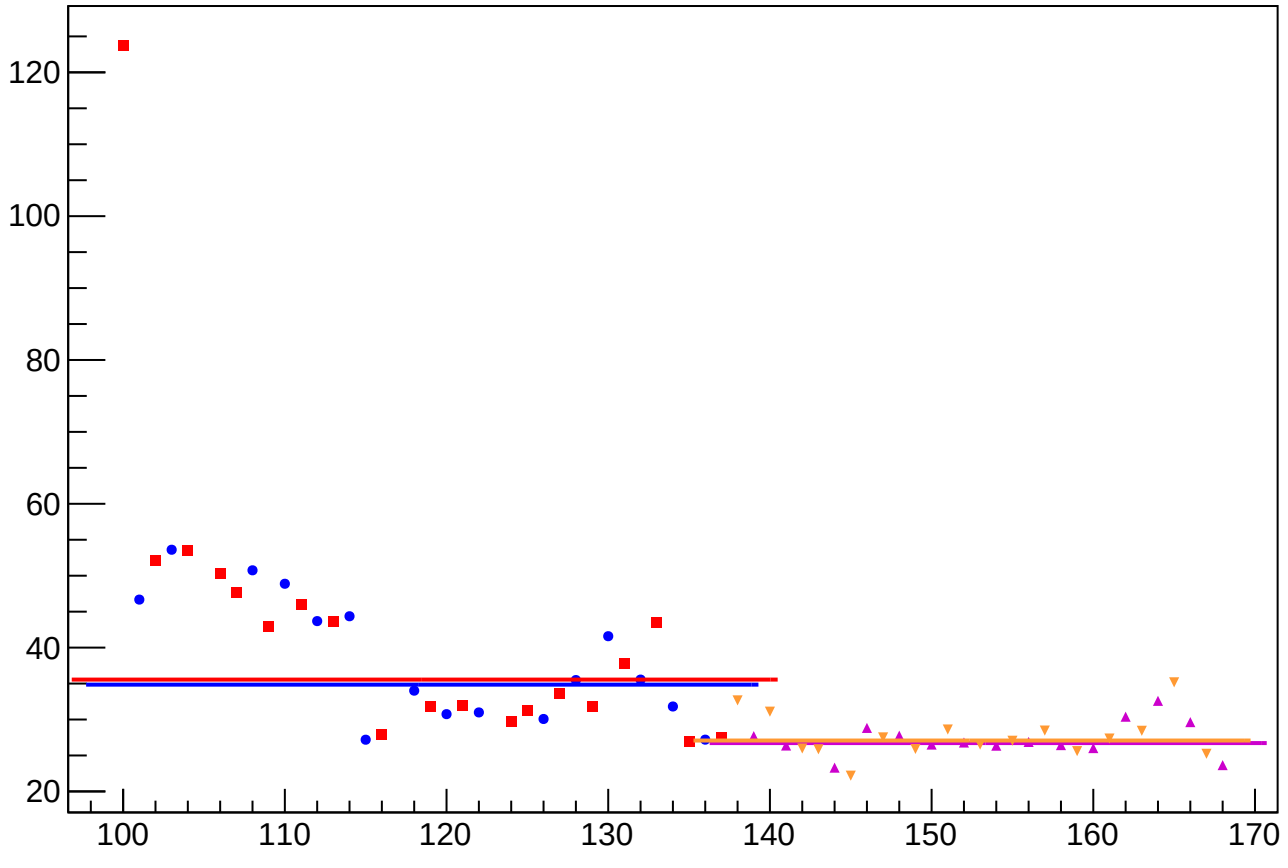
Left: 1.678+/-5.449 χ^2/NDF: 39.5/30

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.893+/-6.675 χ^2/NDF:35.9/30

Out: 5.542+/-6.692 χ^2/NDF:45.2/34

All: -1.694+/-4.726 χ^2/NDF: 83.5/65



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246468.9/15

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.724+/-0.005 χ^2/NDF:151619.9/14

Left: 26.901+/-0.004 χ^2/NDF: 400203.7/30

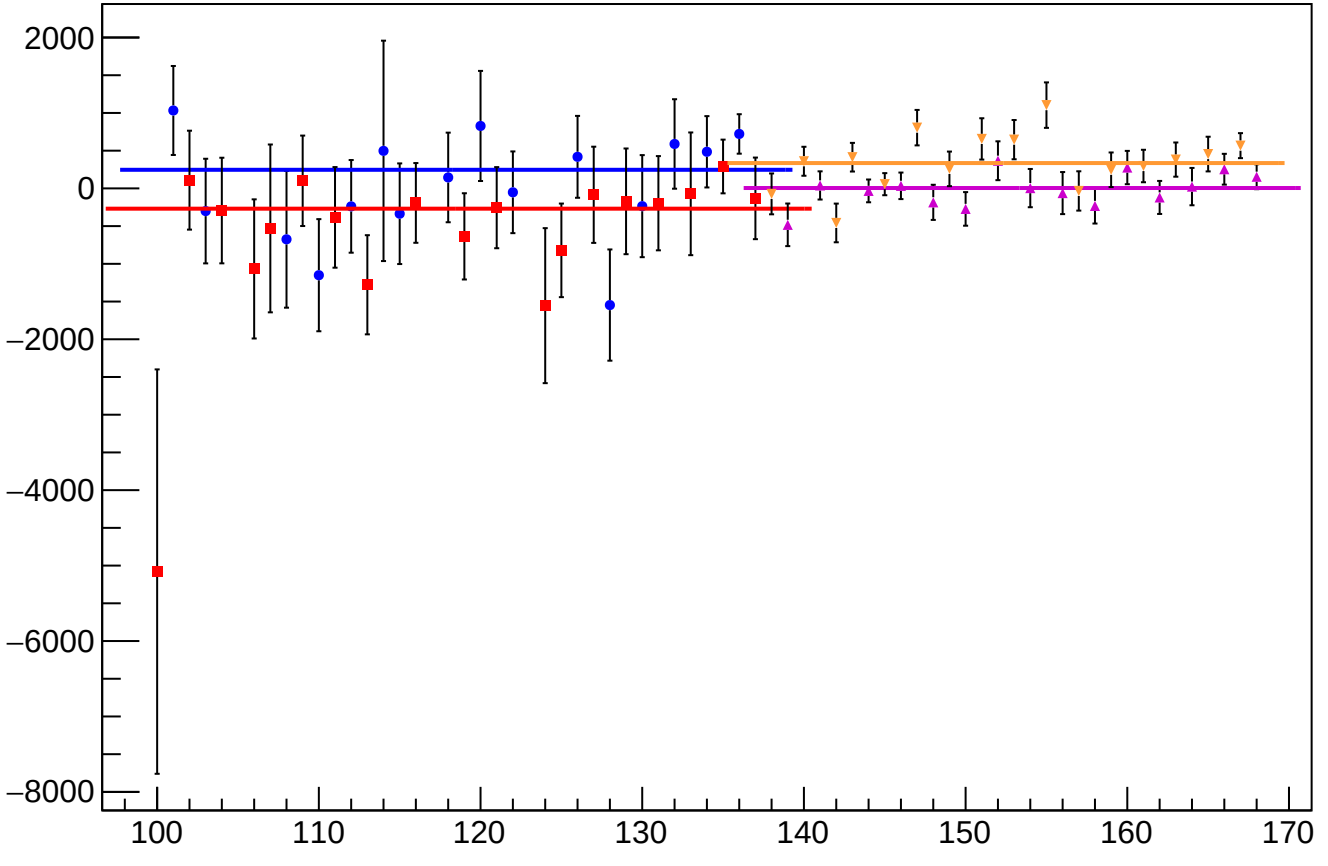
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.743+/-0.005 χ^2/NDF:1363246.7/30

Out: 29.169+/-0.005 χ^2/NDF:1622338.1/34

All: 28.955+/-0.003 χ^2/NDF: 2989644.6/65

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: 335.805+/-54.493 χ^2/NDF:33.5/15

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 4.976+/-54.539 χ^2/NDF:12.5/14

Left: 170.532+/-38.549 χ^2/NDF: 64.5/30

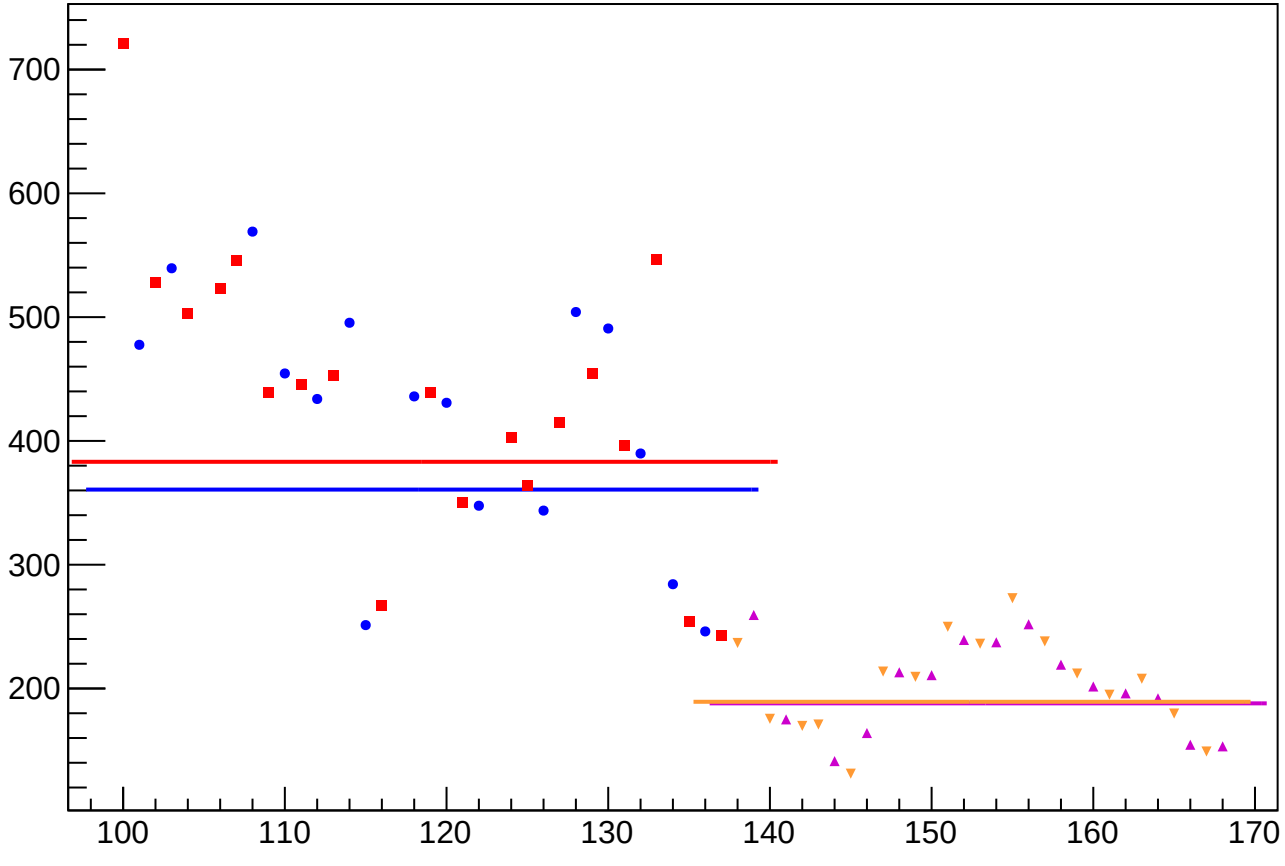
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 36.693+/-50.832 χ^2/NDF:34.9/30

Out: 261.235+/-51.022 χ^2/NDF:61.3/34

All: 148.545+/-36.011 χ^2/NDF: 105.9/65

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: 189.267+/-0.039 χ^2/NDF:996724.1/15

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 187.995+/-0.039 χ^2/NDF:858393.1/14

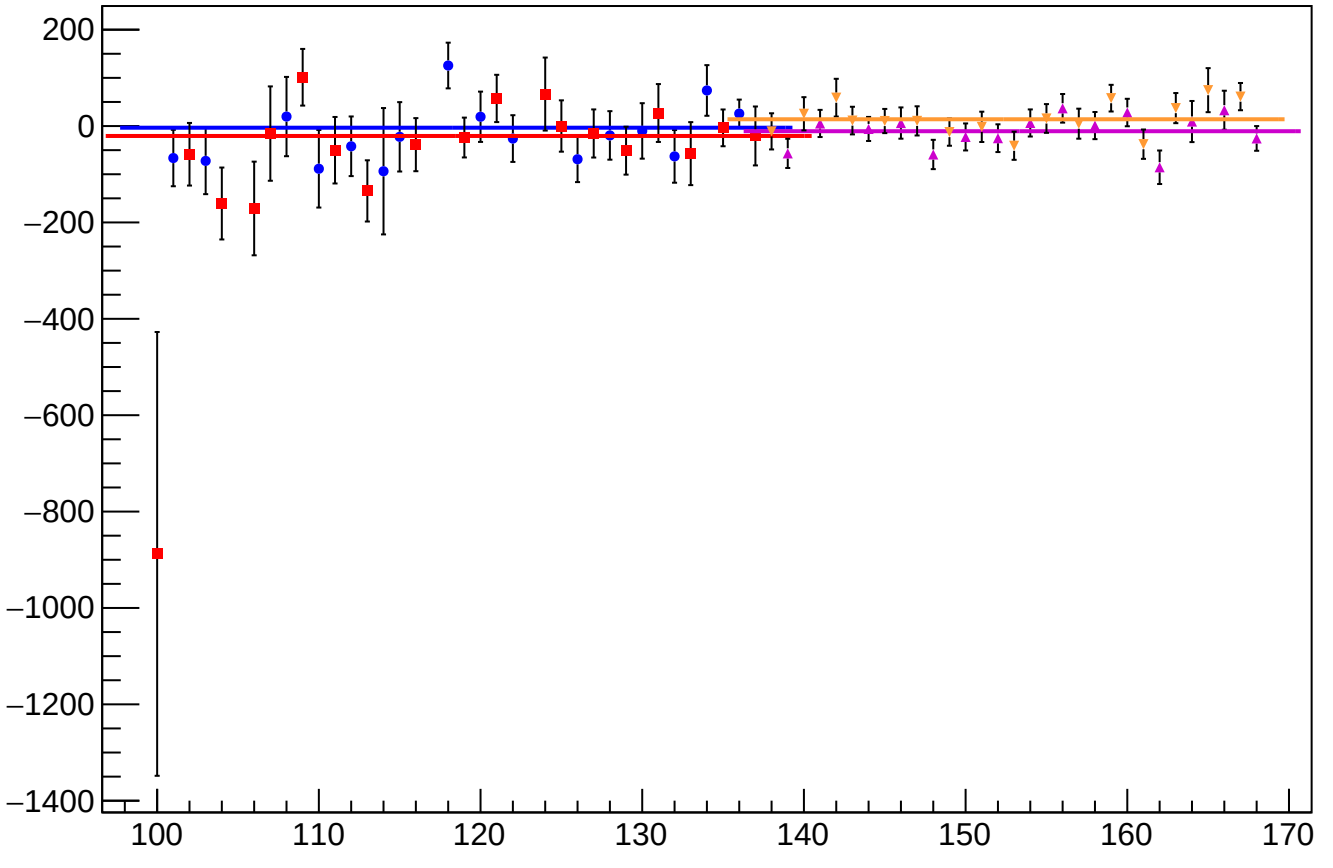
Left: 188.632+/-0.027 χ^2/NDF: 1855661.3/30

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 210.673+/-0.036 χ^2/NDF:4584460.9/30

Out: 213.173+/-0.036 χ^2/NDF:5081380.0/34

All: 211.919+/-0.025 χ^2/NDF: 9668250.6/65



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 14.092+/-7.711 χ^2/NDF:17.1/15

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.701+/-7.700 χ^2/NDF:17.2/14

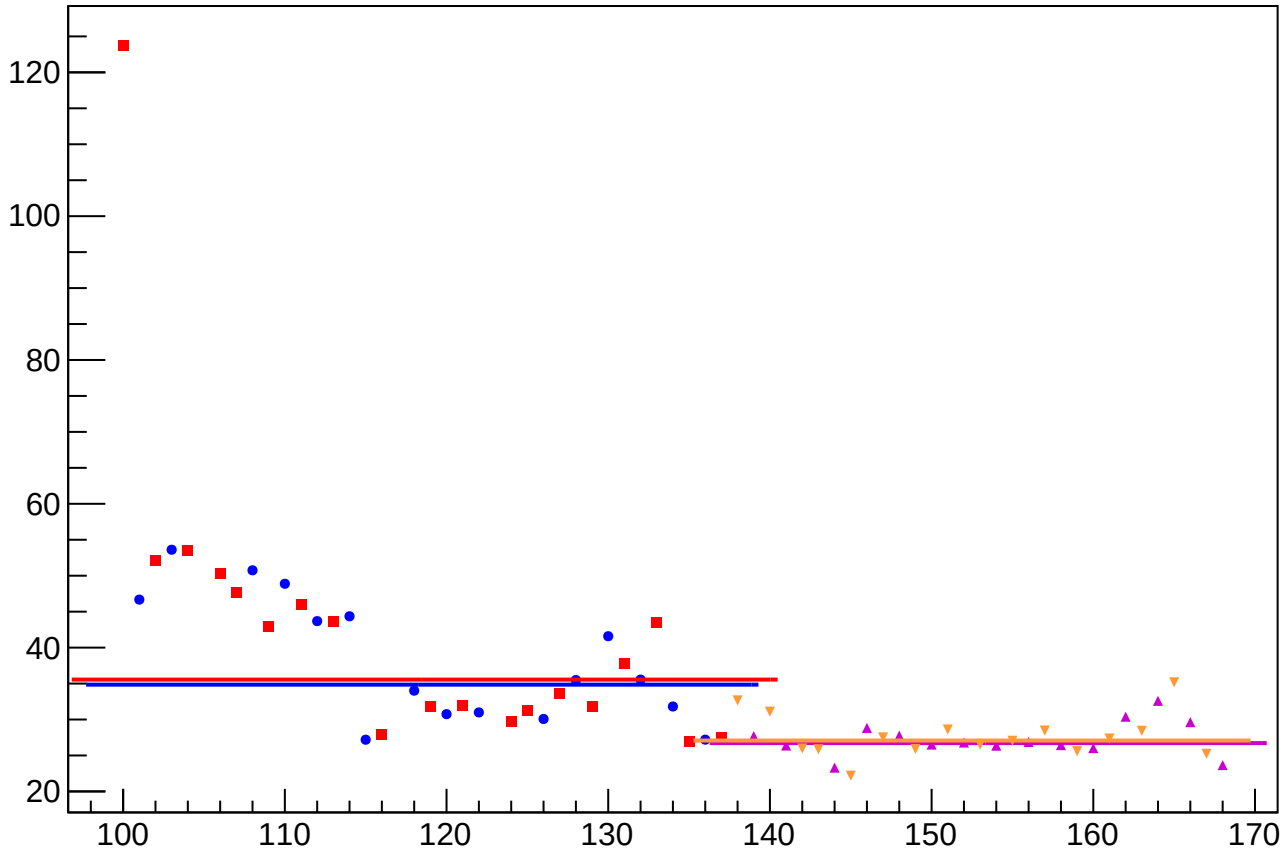
Left: 1.678+/-5.449 χ^2/NDF: 39.5/30

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.893+/-6.675 χ^2/NDF:35.9/30

Out: 5.541+/-6.692 χ^2/NDF:45.2/34

All: -1.694+/-4.726 χ^2/NDF: 83.5/65



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.078+/-0.005 χ^2/NDF:246459.6/15

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.724+/-0.005 χ^2/NDF:151619.3/14

Left: 26.901+/-0.004 χ^2/NDF: 400194.0/30

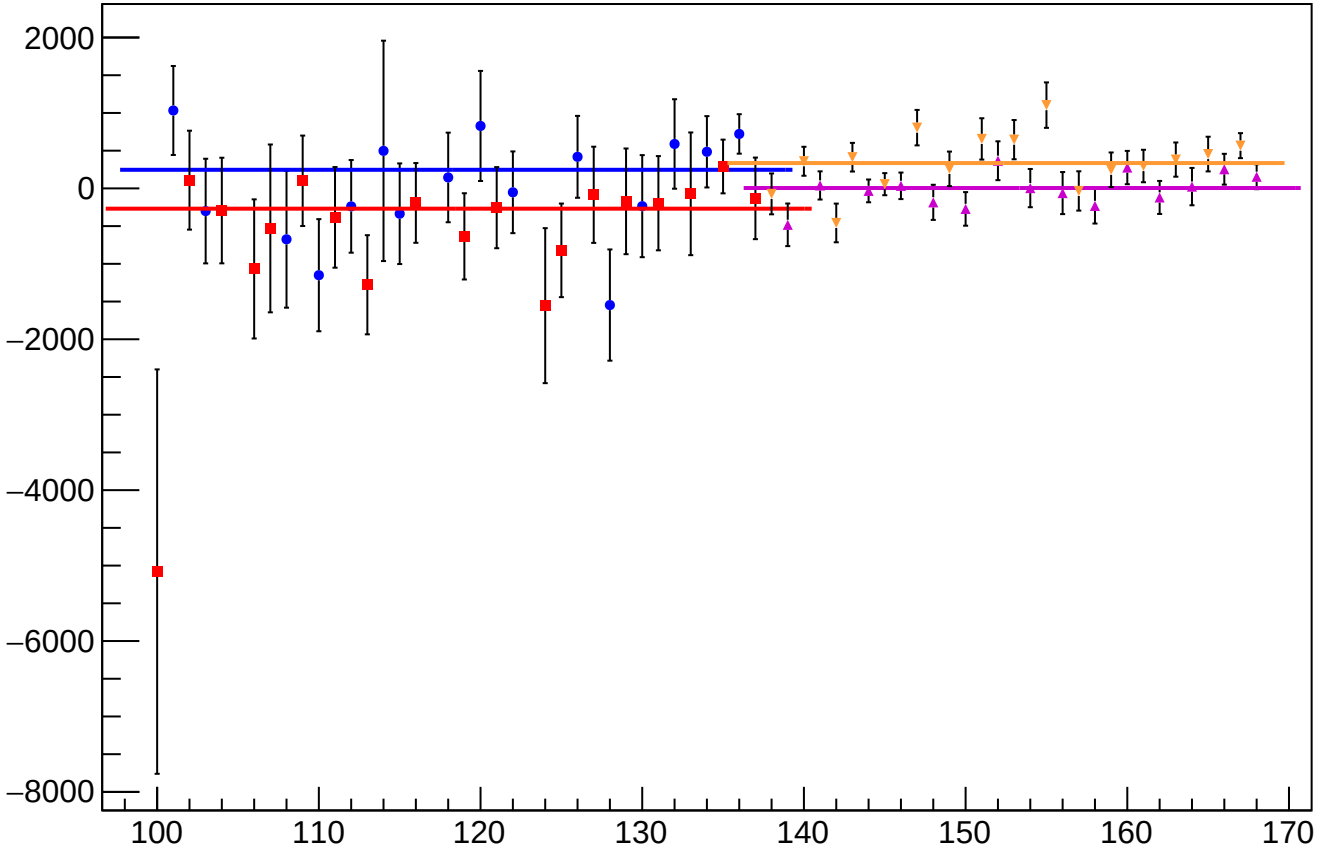
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.743+/-0.005 χ^2/NDF:1363130.4/30

Out: 29.169+/-0.005 χ^2/NDF:1622239.9/34

All: 28.955+/-0.003 χ^2/NDF: 2989430.8/65

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 335.804+/-54.492 χ^2/NDF:33.5/15

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 4.976+/-54.539 χ^2/NDF:12.5/14

Left: 170.532+/-38.548 χ^2/NDF: 64.5/30

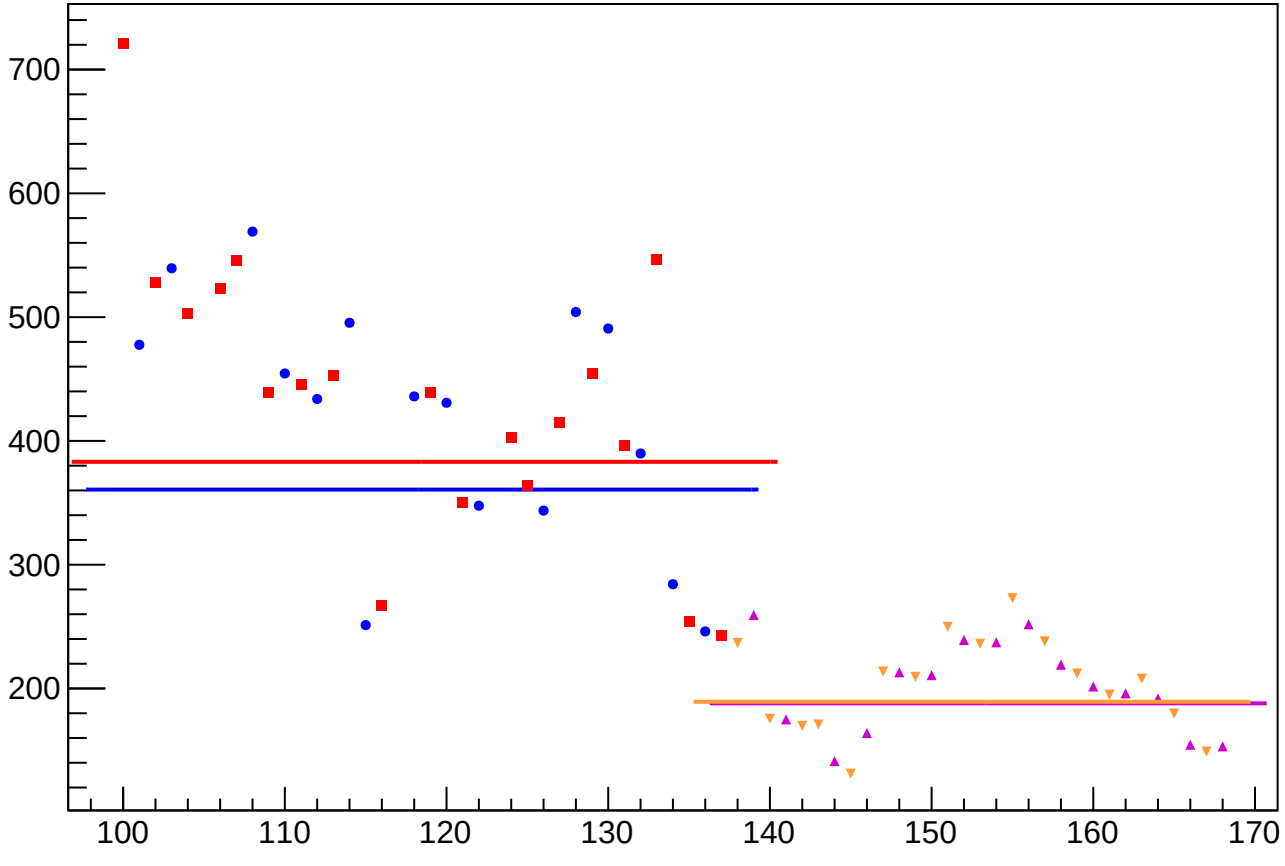
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 36.693+/-50.832 χ^2/NDF:34.9/30

Out: 261.234+/-51.022 χ^2/NDF:61.3/34

All: 148.545+/-36.011 χ^2/NDF: 105.9/65

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: 189.266+/-0.039 χ^2/NDF:996745.4/15

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 187.995+/-0.039 χ^2/NDF:858402.8/14

Left: 188.631+/-0.027 χ^2/NDF: 1855692.3/30

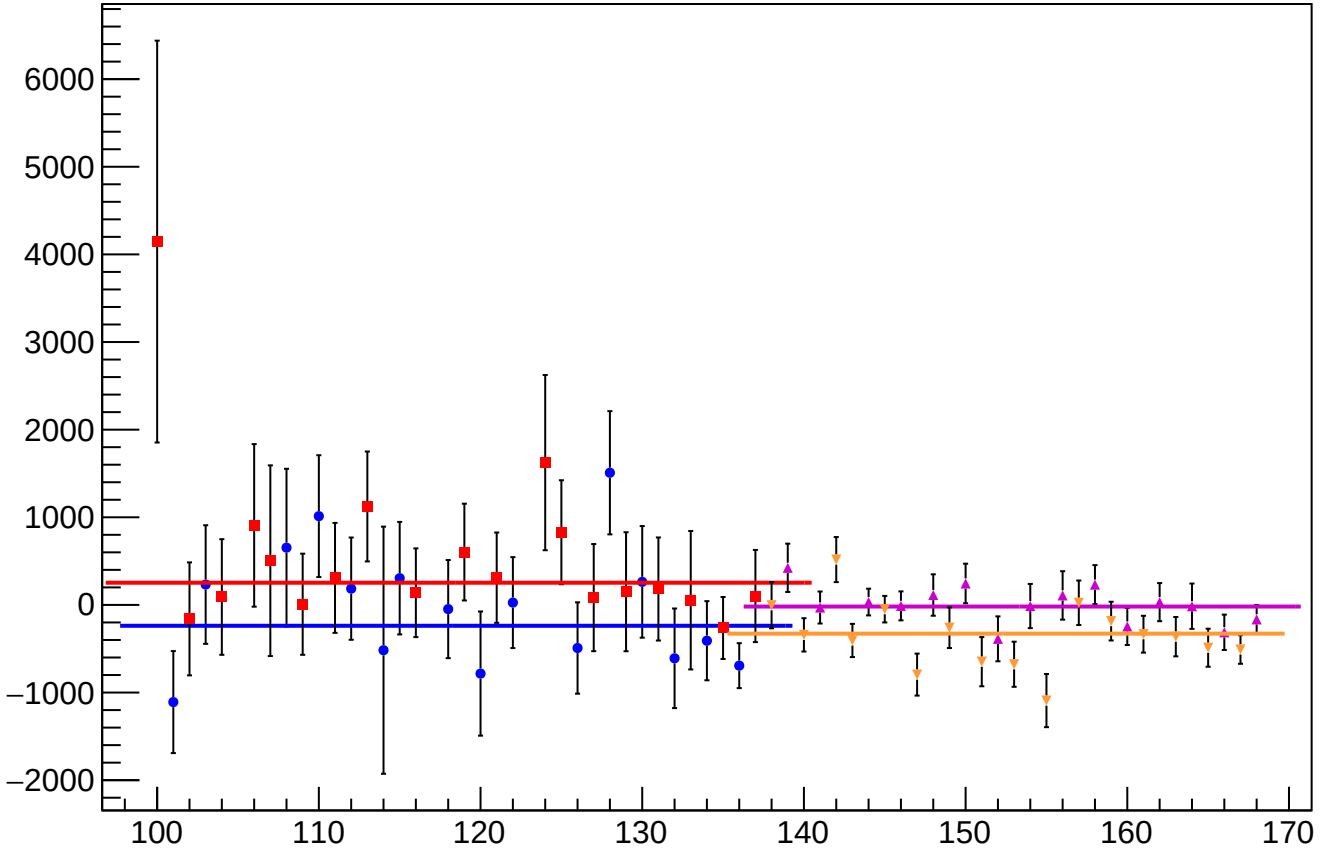
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 210.673+/-0.036 χ^2/NDF:4584464.2/30

Out: 213.173+/-0.036 χ^2/NDF:5081400.7/34

All: 211.918+/-0.025 χ^2/NDF: 9668274.4/65

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -327.803+/-54.174 χ^2/NDF:33.4/15

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: -18.529+/-53.819 χ^2/NDF:12.0/14

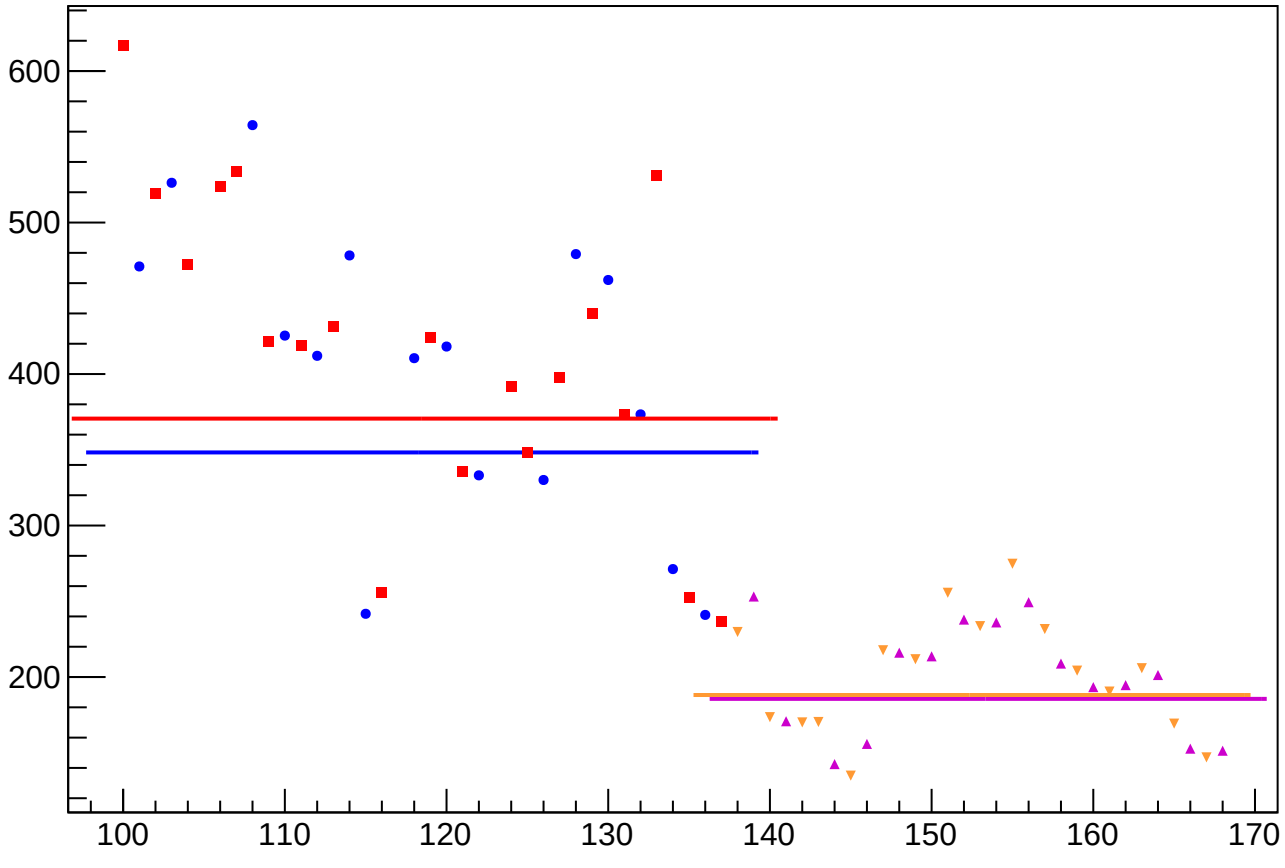
Left: -172.148+/-38.181 χ^2/NDF: 61.9/30

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -48.498+/-50.010 χ^2/NDF:34.2/30

Out: -252.491+/-50.543 χ^2/NDF:60.0/34

All: -149.414+/-35.550 χ^2/NDF: 102.5/65



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 188.134+/-0.038 χ^2/NDF:953742.2/15

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 185.581+/-0.038 χ^2/NDF:868936.4/14

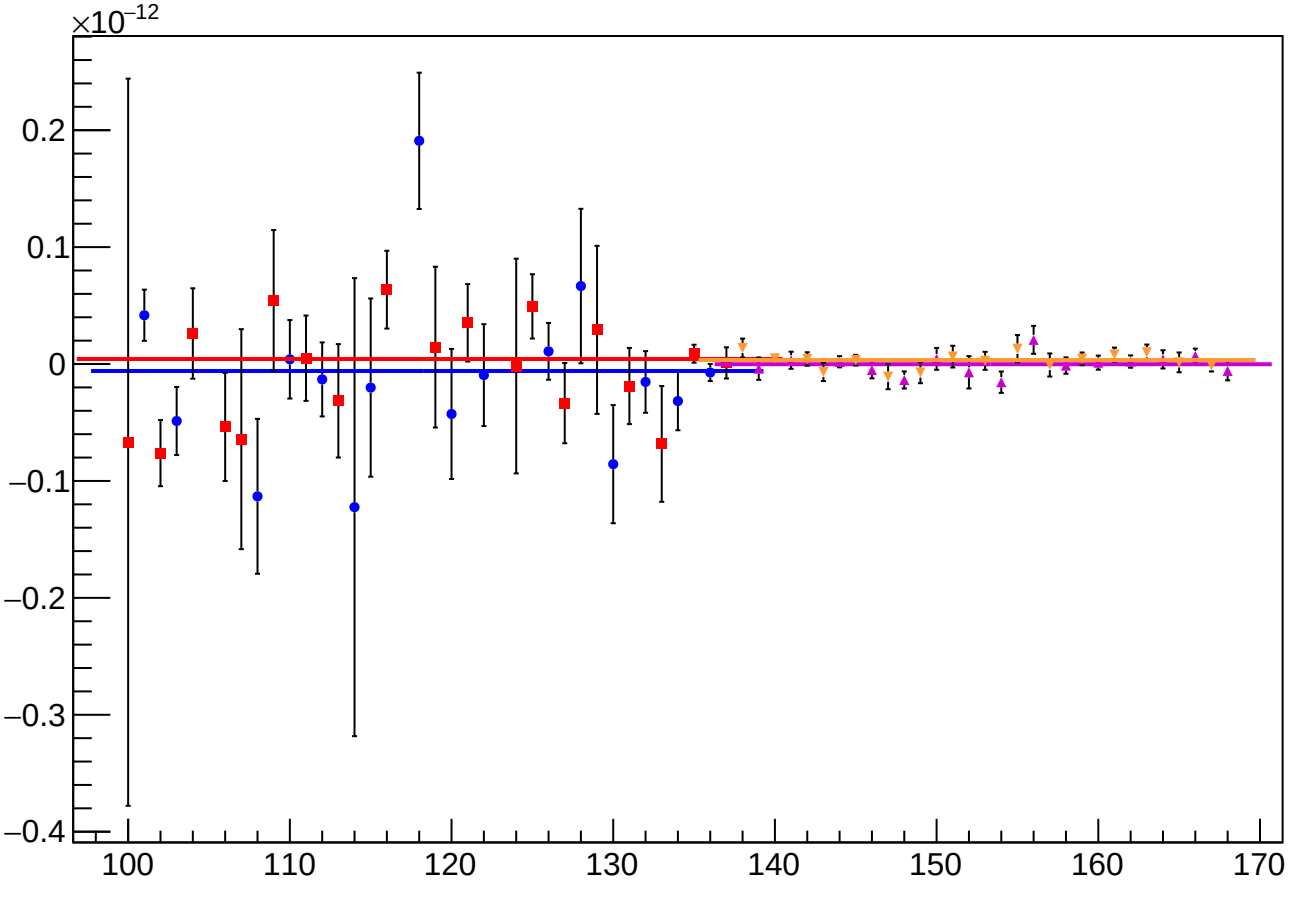
Left: 186.850+/-0.027 χ^2/NDF: 1824914.1/30

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 207.790+/-0.035 χ^2/NDF:4420301.9/30

Out: 211.775+/-0.036 χ^2/NDF:4810900.3/34

All: 209.761+/-0.025 χ^2/NDF: 9237482.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/14

Left: 0.000+/-0.000 χ^2/NDF: 25.4/30

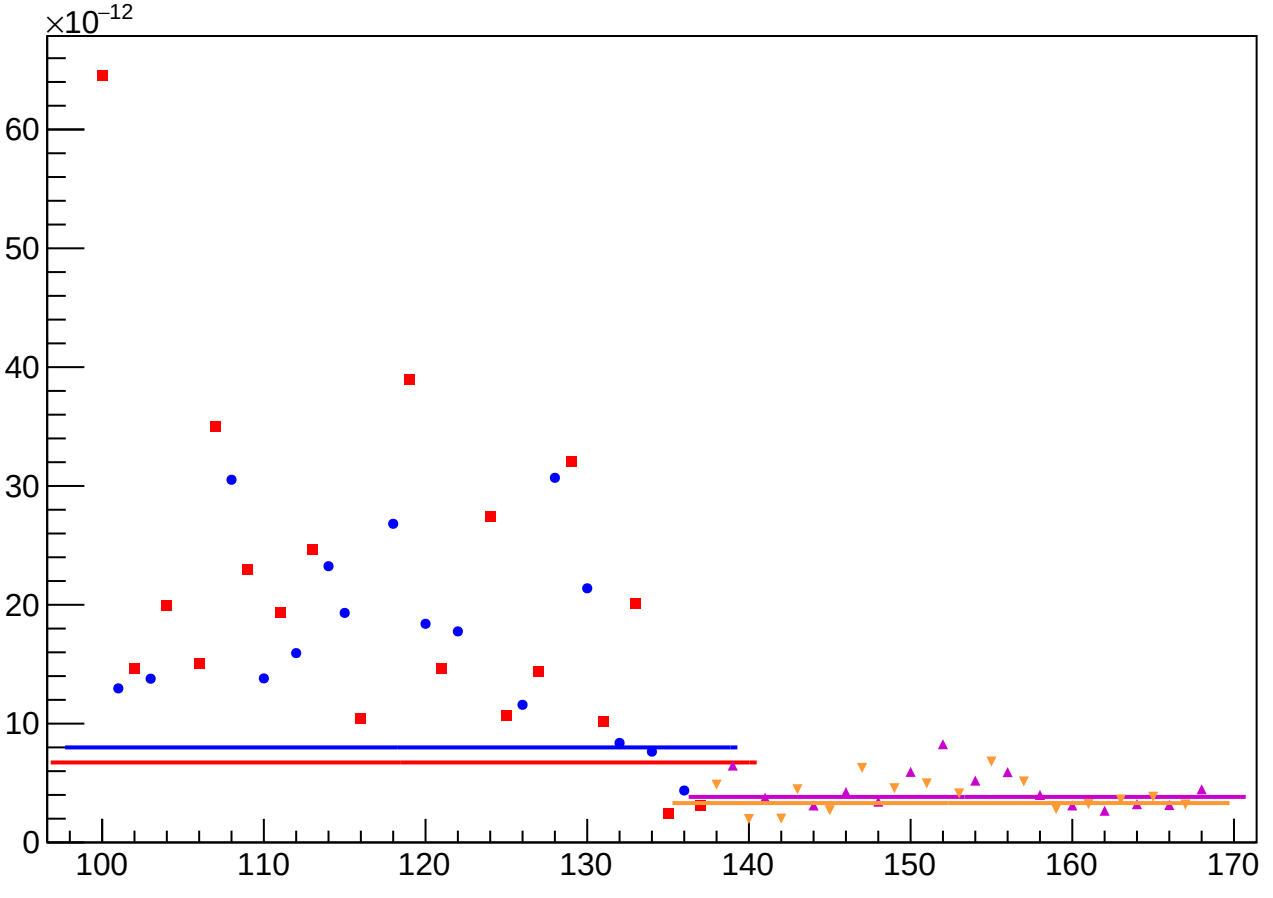
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:41.3/30

Out: 0.000+/-0.000 χ^2/NDF:33.1/34

All: 0.000+/-0.000 χ^2/NDF: 77.7/65

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:1032946.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:798407.1/14

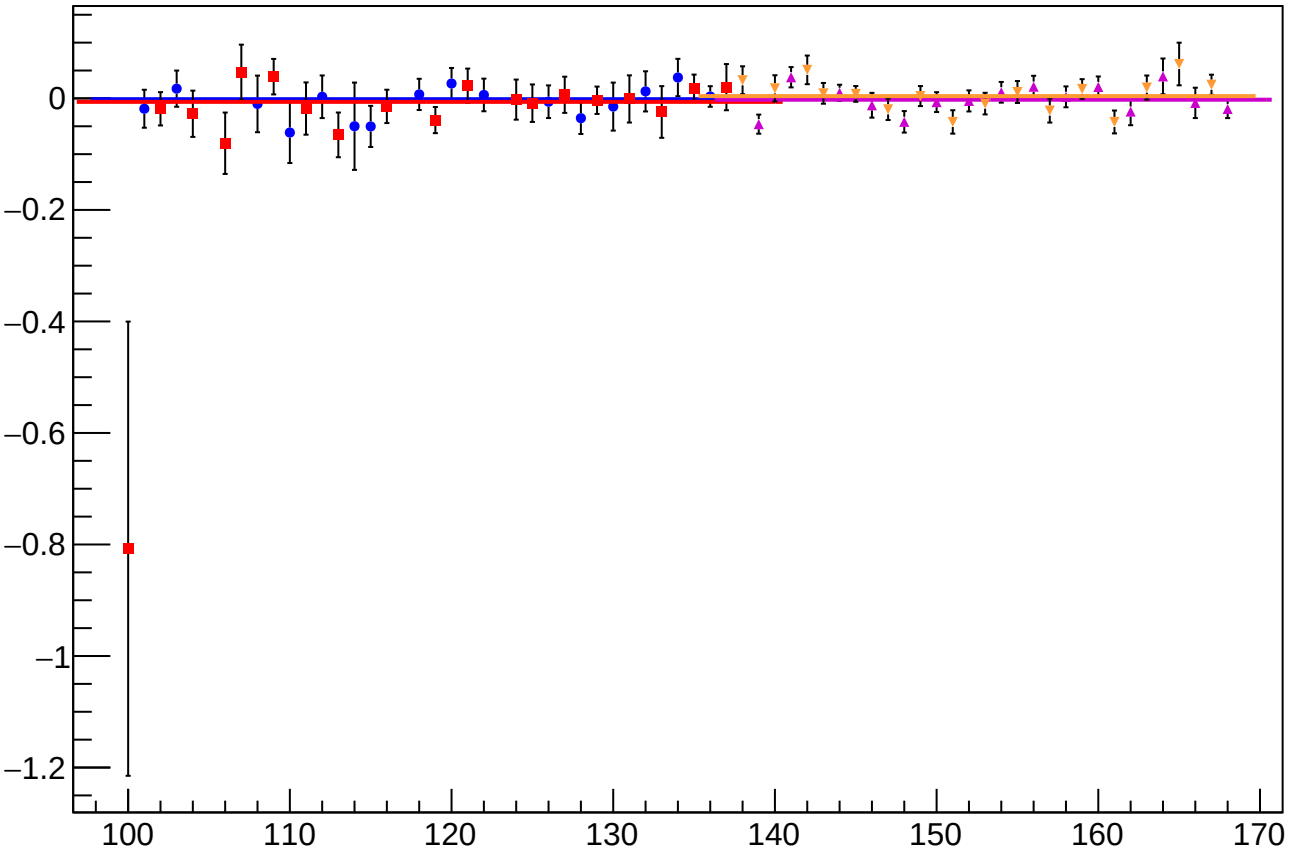
Left: 0.000+/-0.000 χ^2/NDF: 1918406.4/30

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3717236.6/30

Out: 0.000+/-0.000 χ^2/NDF:5107577.8/34

All: 0.000+/-0.000 χ^2/NDF: 8974526.7/65



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:23.7/14

Left: 0.001+/-0.004 χ^2/NDF: 47.8/30

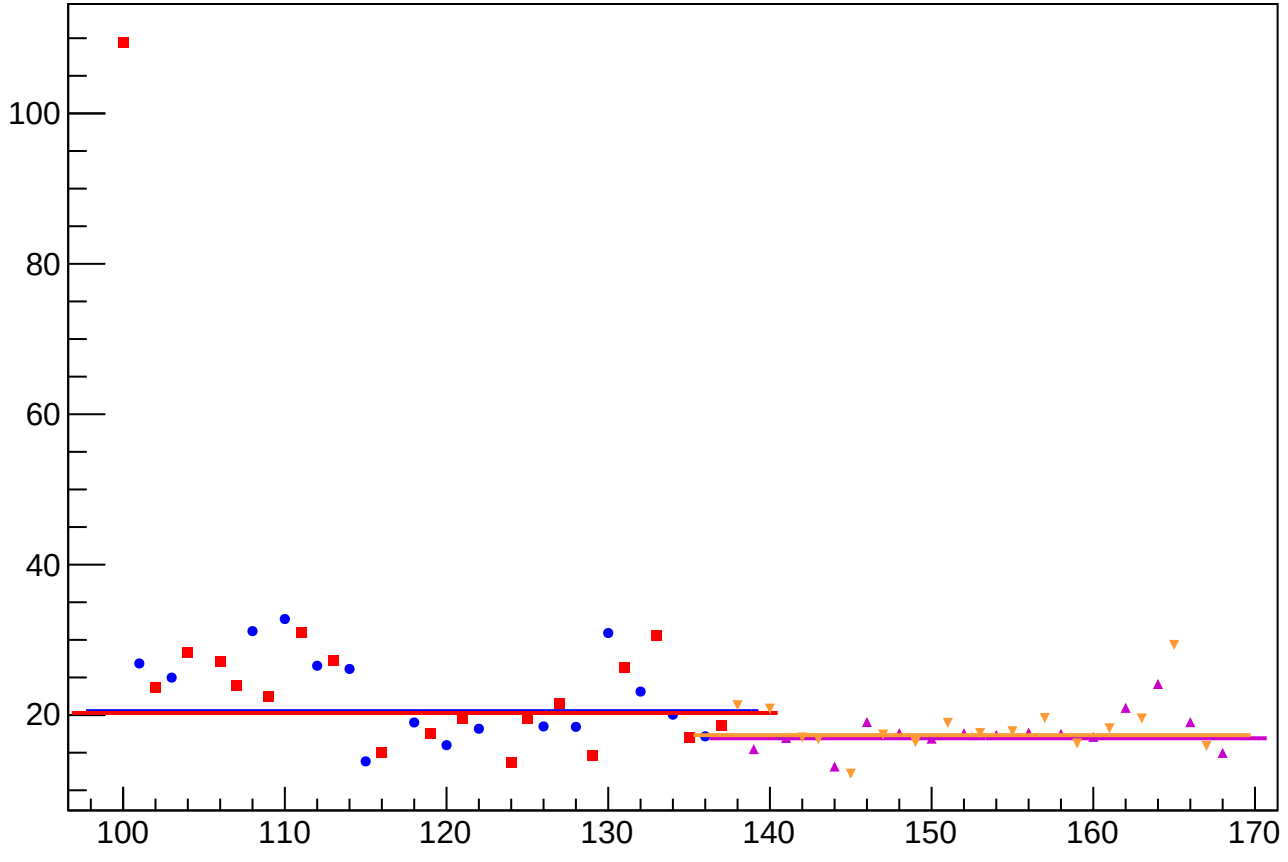
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/30

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: -0.000+/-0.003 χ^2/NDF: 73.0/65

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: 17.330+/-0.004 χ^2/NDF:644218.1/15

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.916+/-0.003 χ^2/NDF:376966.5/14

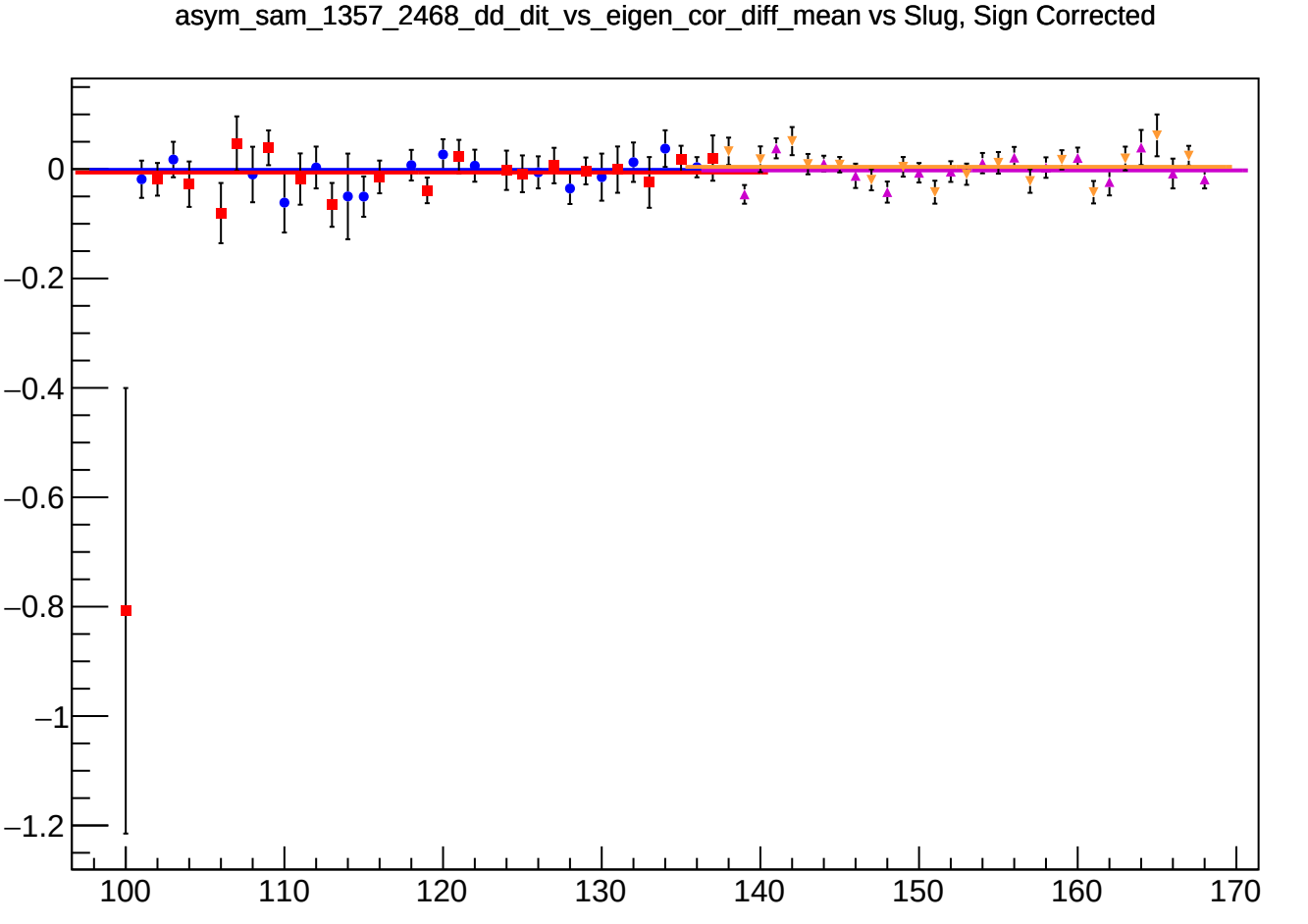
Left: 17.120+/-0.002 χ^2/NDF: 1028092.6/30

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.903+/-0.003 χ^2/NDF:1373646.4/30

Out: 18.180+/-0.003 χ^2/NDF:1708174.2/34

All: 18.041+/-0.002 χ^2/NDF: 3086125.3/65



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:23.7/14

Left: 0.001+/-0.004 χ^2/NDF: 47.8/30

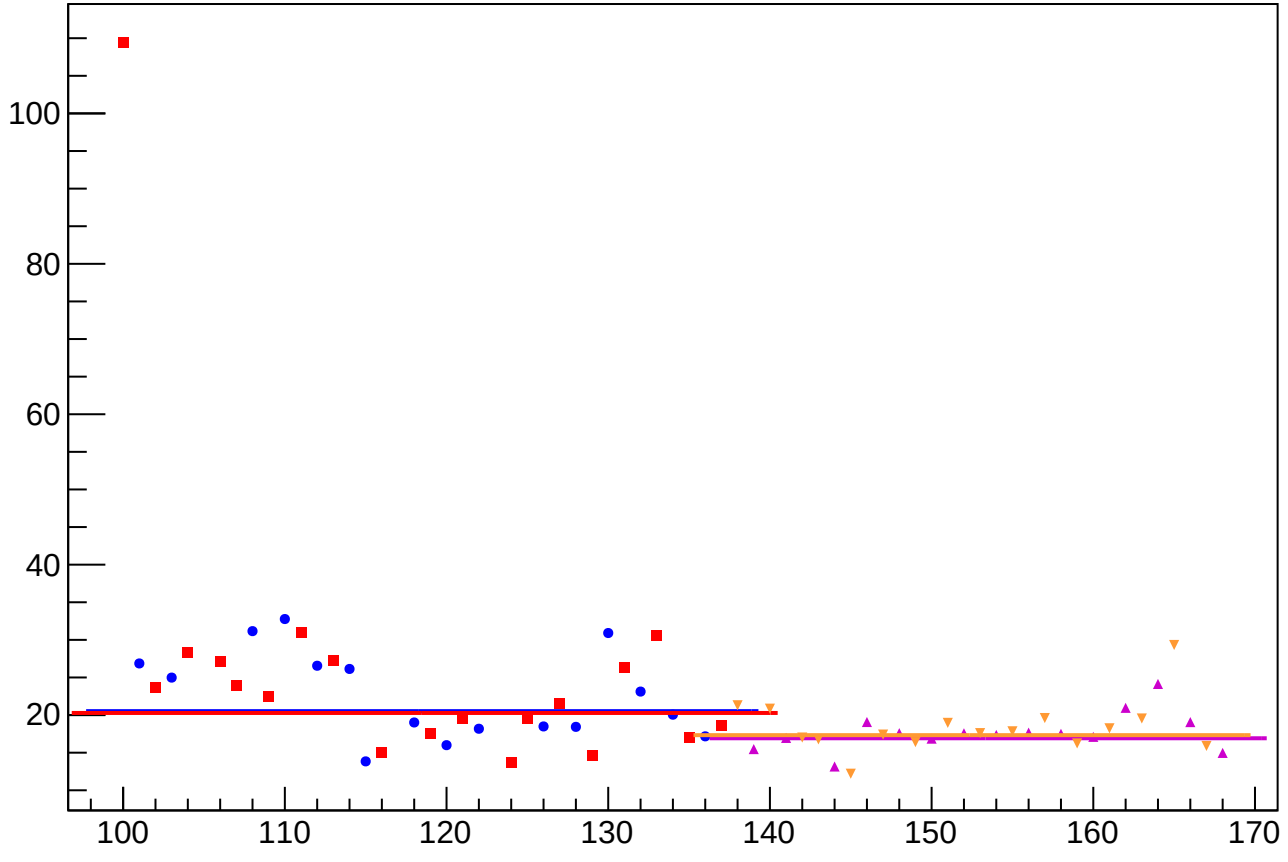
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/30

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: -0.000+/-0.003 χ^2/NDF: 73.0/65

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: 17.330+/-0.004 χ^2/NDF:644218.1/15

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.916+/-0.003 χ^2/NDF:376966.5/14

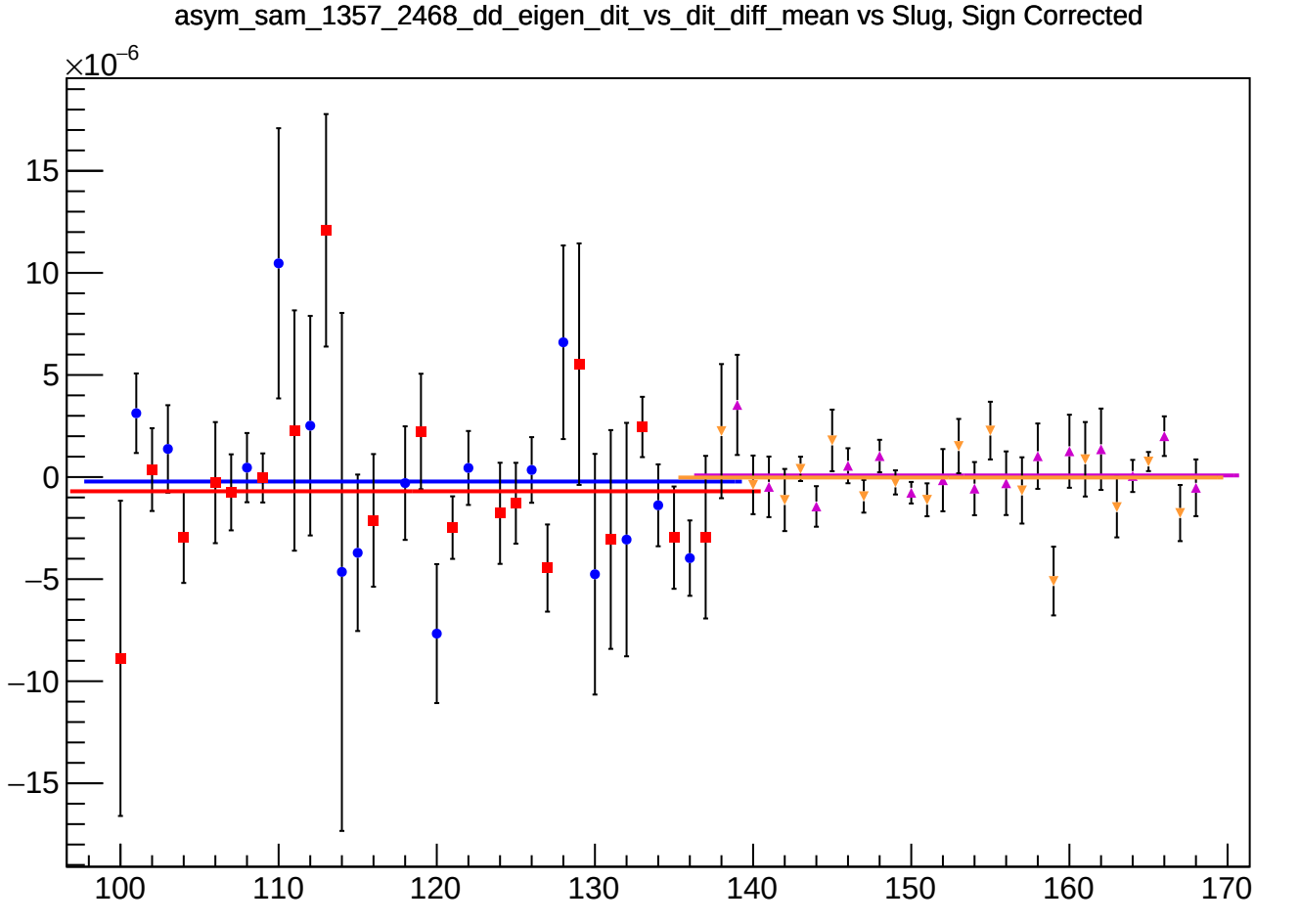
Left: 17.120+/-0.002 χ^2/NDF: 1028092.6/30

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.903+/-0.003 χ^2/NDF:1373646.4/30

Out: 18.180+/-0.003 χ^2/NDF:1708174.2/34

All: 18.041+/-0.002 χ^2/NDF: 3086125.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/14

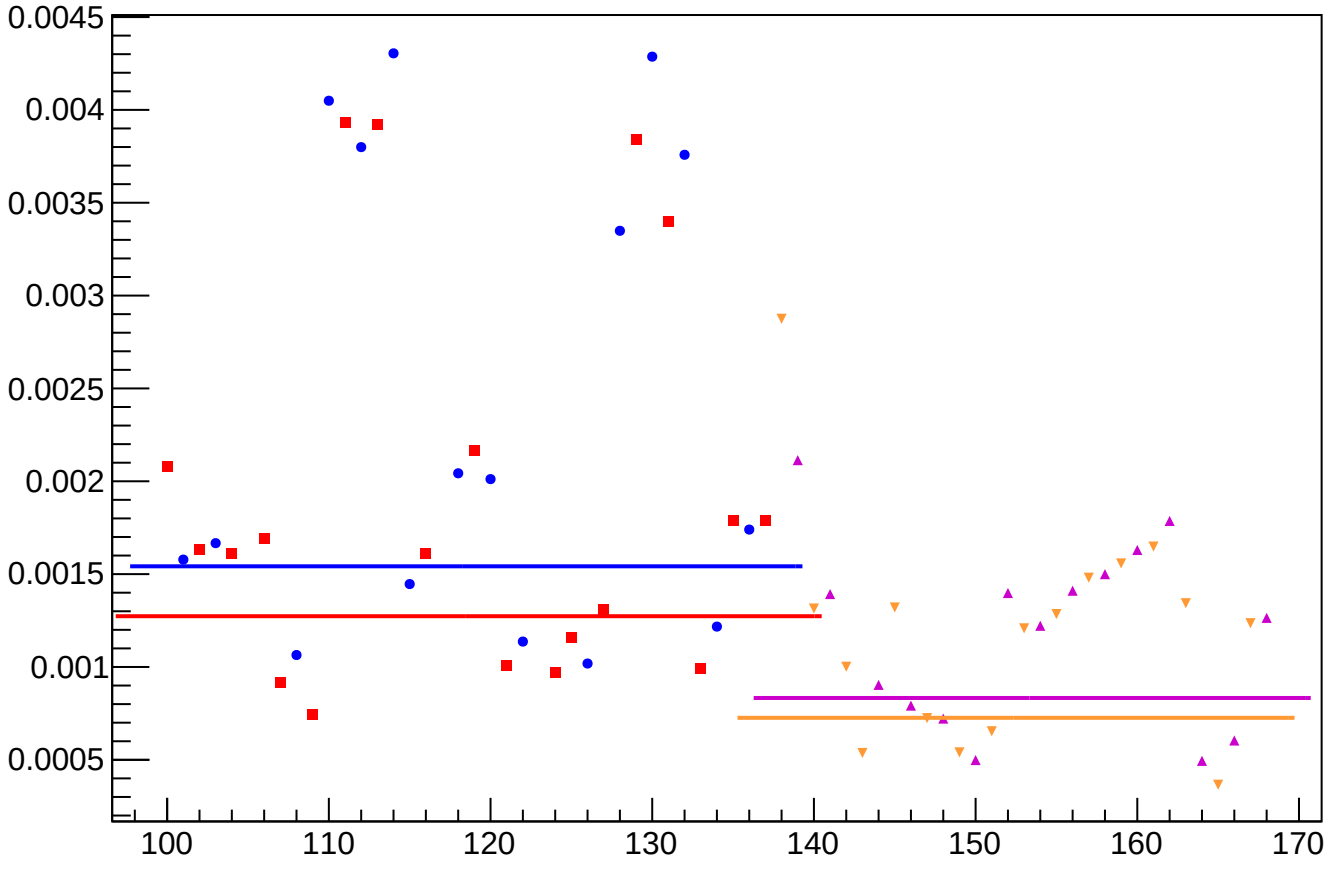
Left: 0.000+/-0.000 χ^2/NDF: 39.6/30

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:34.5/30

Out: -0.000+/-0.000 χ^2/NDF:47.5/34

All: -0.000+/-0.000 χ^2/NDF: 82.3/65



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5797711.0/15

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4290460.7/14

Left: 0.001+/-0.000 χ^2/NDF: 10265413.5/30

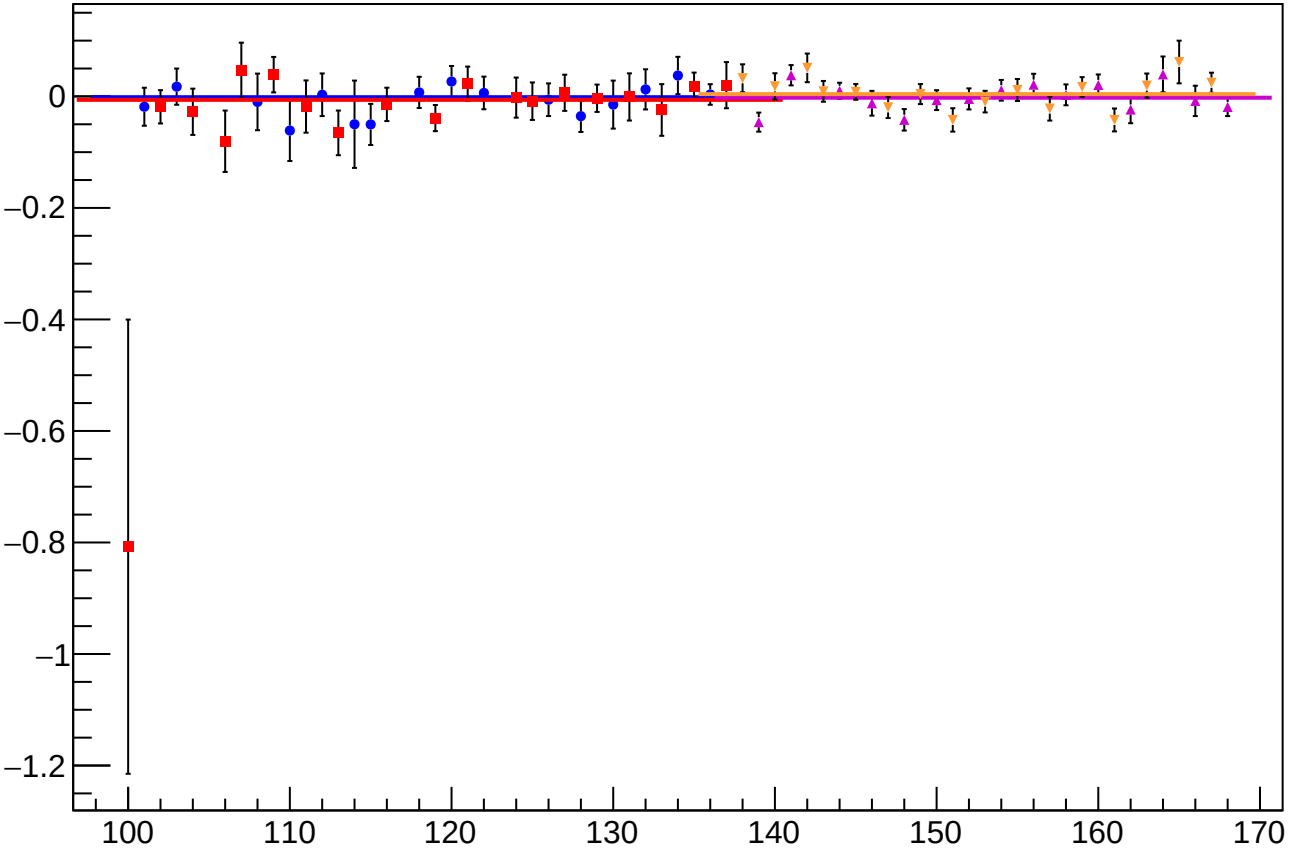
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:8844213.3/30

Out: 0.001+/-0.000 χ^2/NDF:10275697.9/34

All: 0.001+/-0.000 χ^2/NDF: 19403708.6/65

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: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:23.7/14

Left: 0.001+/-0.004 χ^2/NDF: 47.8/30

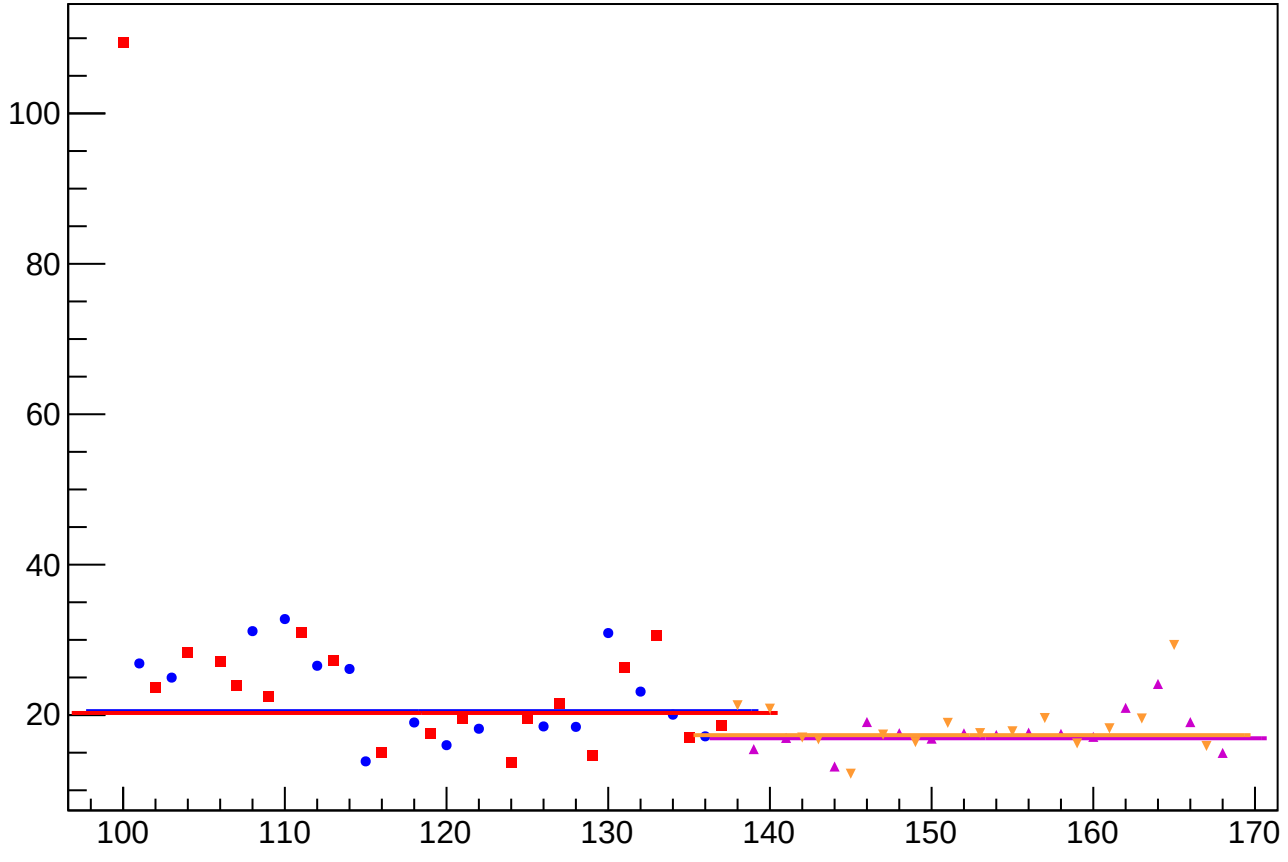
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/30

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: -0.000+/-0.003 χ^2/NDF: 73.0/65

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: 17.330+/-0.004 χ^2/NDF:644172.0/15

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.916+/-0.003 χ^2/NDF:376990.6/14

Left: 17.120+/-0.002 χ^2/NDF: 1028073.4/30

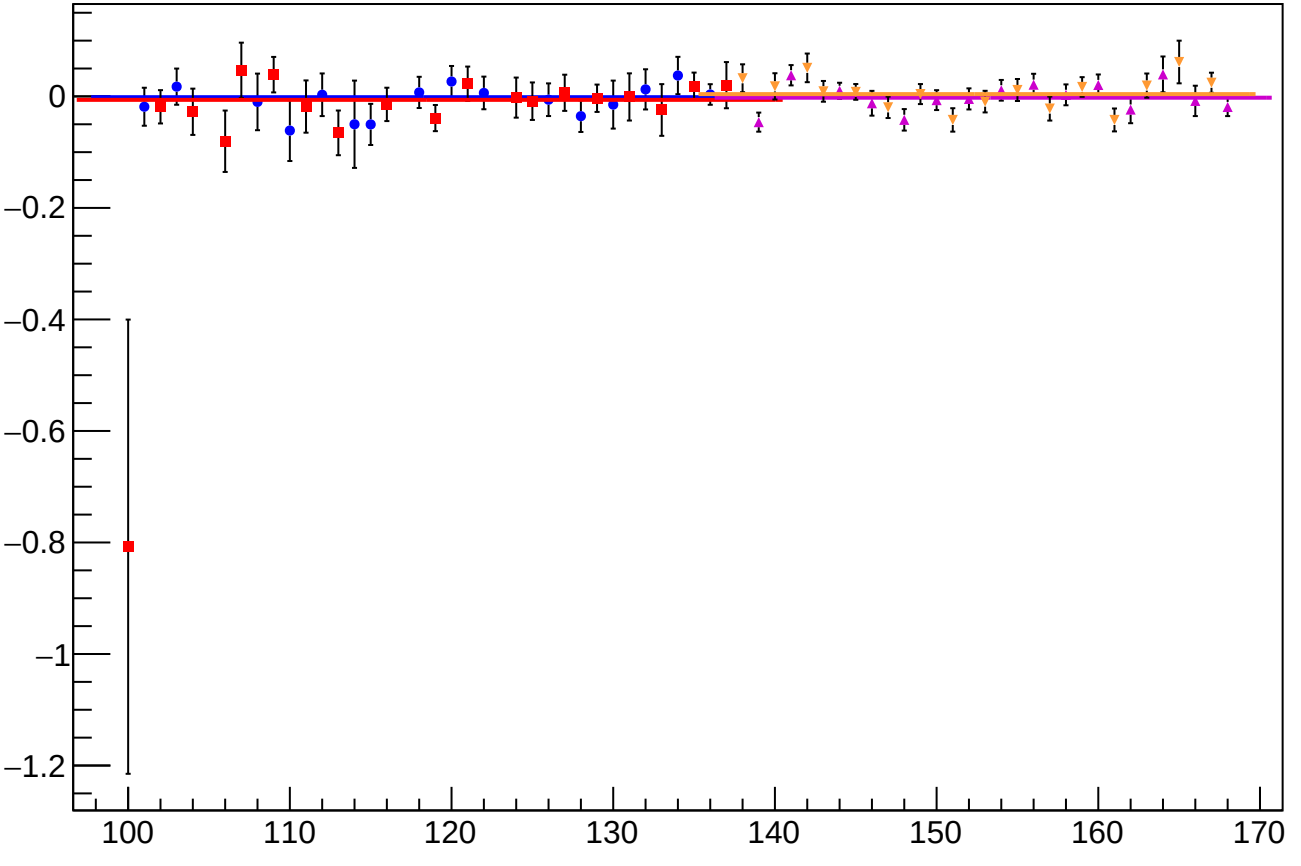
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.903+/-0.003 χ^2/NDF:1373452.0/30

Out: 18.180+/-0.003 χ^2/NDF:1708023.4/34

All: 18.041+/-0.002 χ^2/NDF: 3085780.4/65

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.005 χ^2/NDF:23.3/15

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:23.7/14

Left: 0.001+/-0.004 χ^2/NDF: 47.8/30

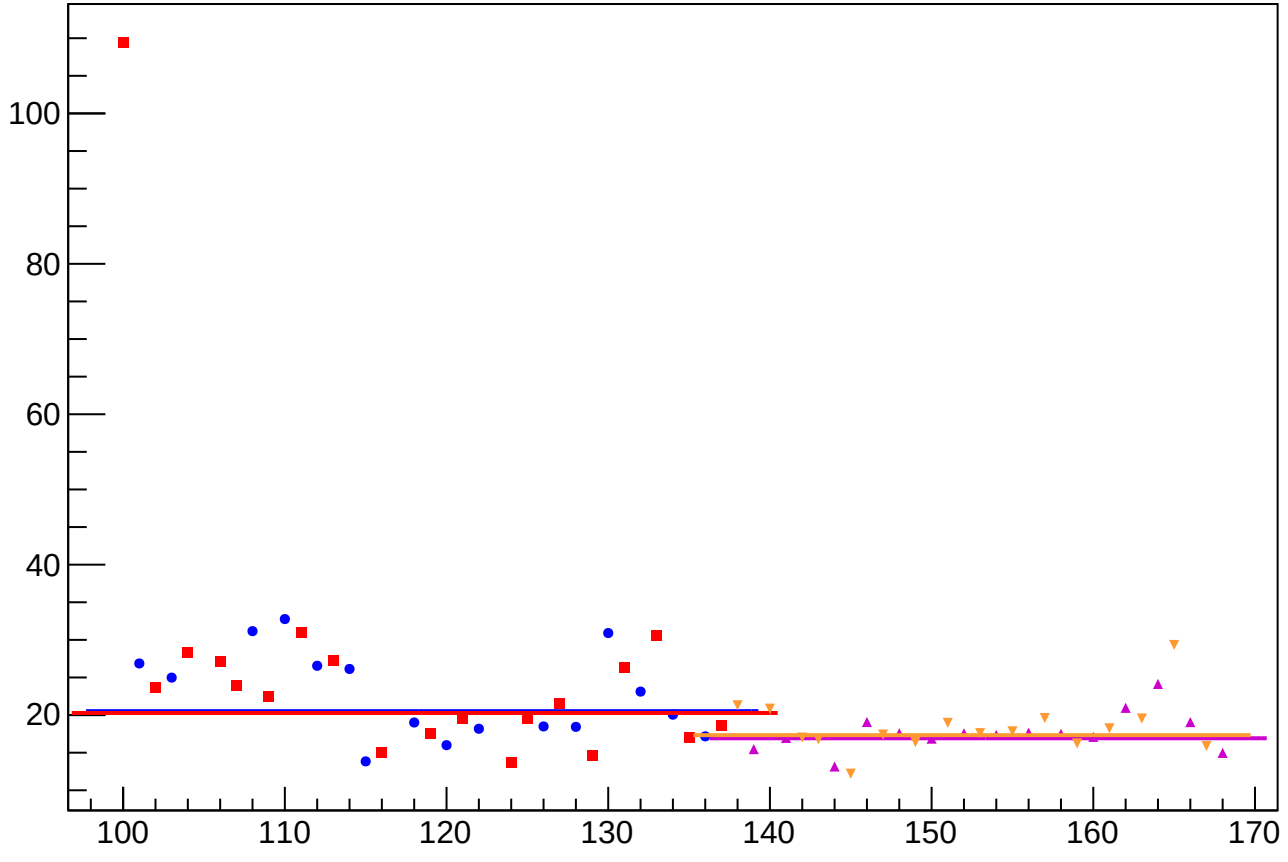
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/30

Out: 0.001+/-0.004 χ^2/NDF:40.7/34

All: -0.000+/-0.003 χ^2/NDF: 73.0/65

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: 17.330+/-0.004 χ^2/NDF:644172.0/15

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.916+/-0.003 χ^2/NDF:376990.6/14

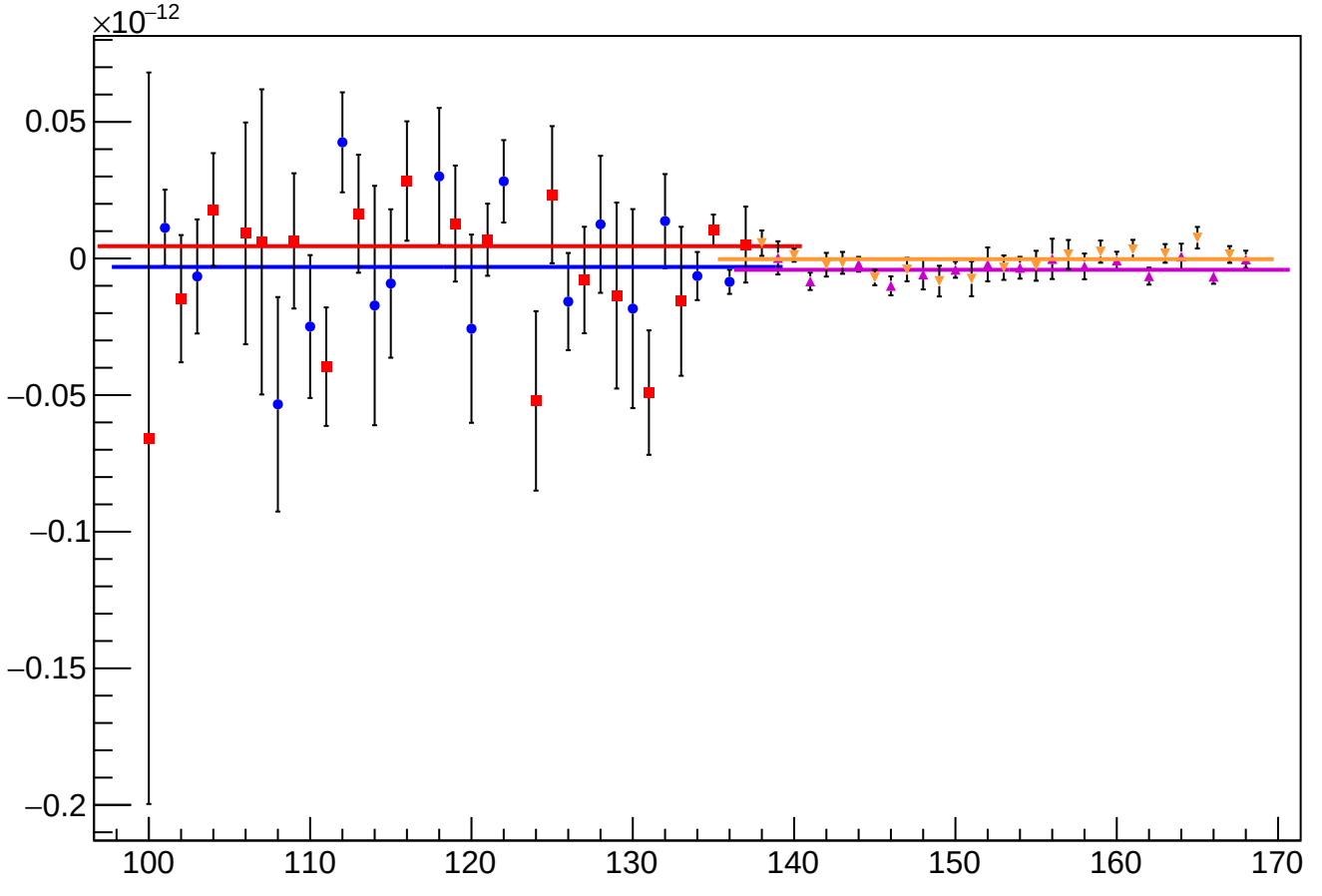
Left: 17.120+/-0.002 χ^2/NDF: 1028073.4/30

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.903+/-0.003 χ^2/NDF:1373452.0/30

Out: 18.180+/-0.003 χ^2/NDF:1708023.4/34

All: 18.041+/-0.002 χ^2/NDF: 3085780.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/14

Left: -0.000+/-0.000 χ^2/NDF: 38.8/30

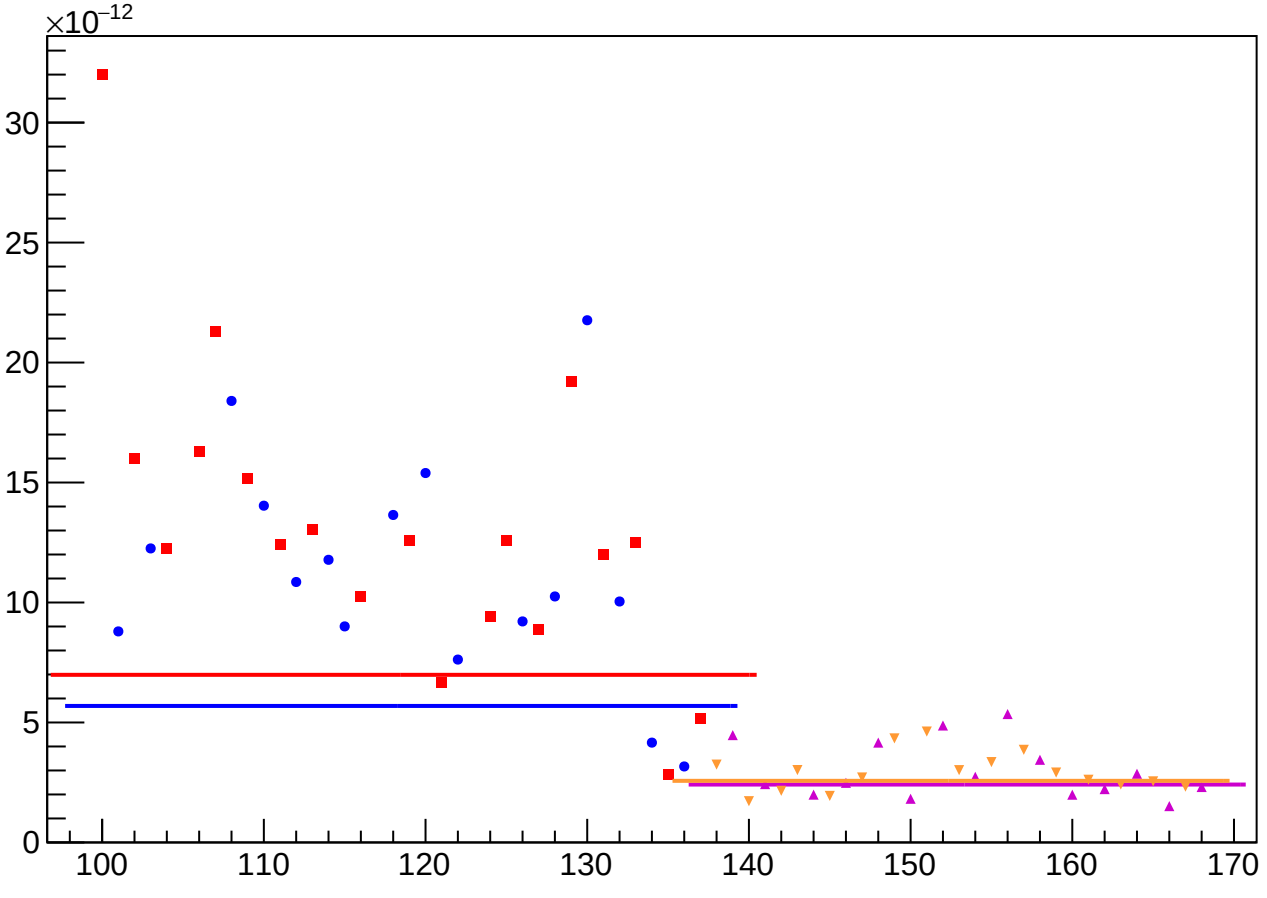
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:31.4/30

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: -0.000+/-0.000 χ^2/NDF: 80.4/65

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1058945.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1601377.1/14

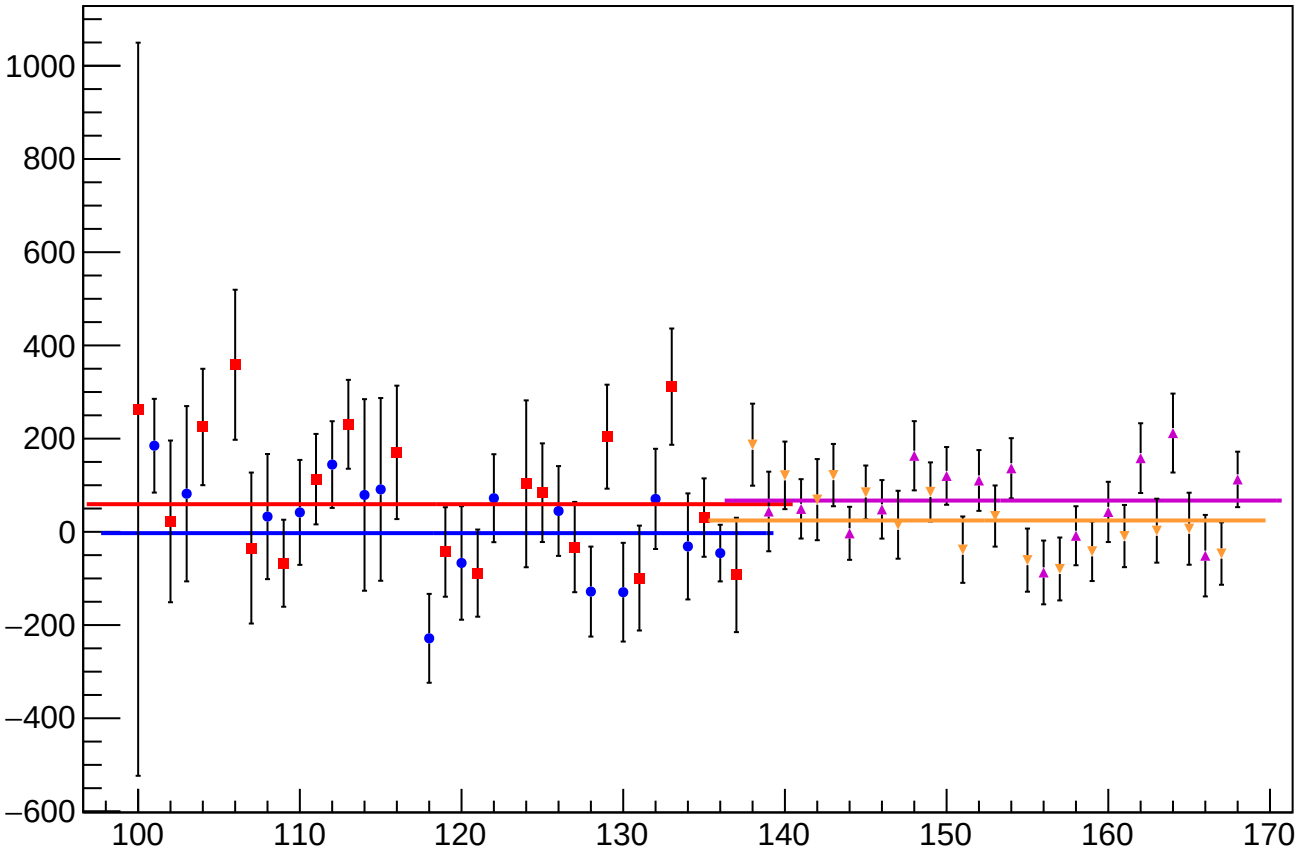
Left: 0.000+/-0.000 χ^2/NDF: 2687077.7/30

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6176338.3/30

Out: 0.000+/-0.000 χ^2/NDF:6629275.4/34

All: 0.000+/-0.000 χ^2/NDF: 12835781.6/65



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.404+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 67.129+/-17.418 χ^2/NDF:19.2/14

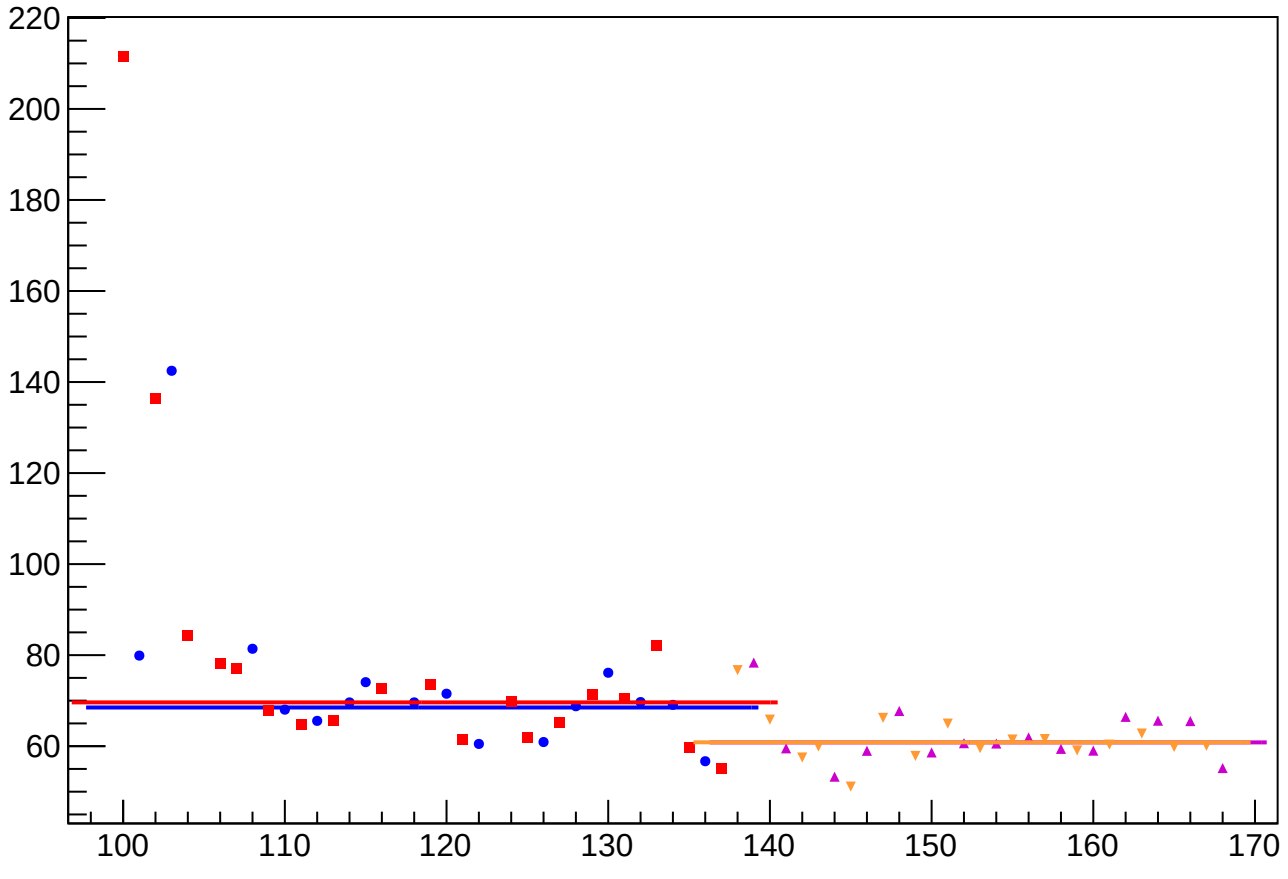
Left: 45.585+/-12.264 χ^2/NDF: 39.2/30

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.721+/-14.507 χ^2/NDF:41.9/30

Out: 34.886+/-14.450 χ^2/NDF:43.9/34

All: 40.282+/-10.238 χ^2/NDF: 86.0/65



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

Left: 60.841+/-0.009 χ^2/NDF: 347721.2/30

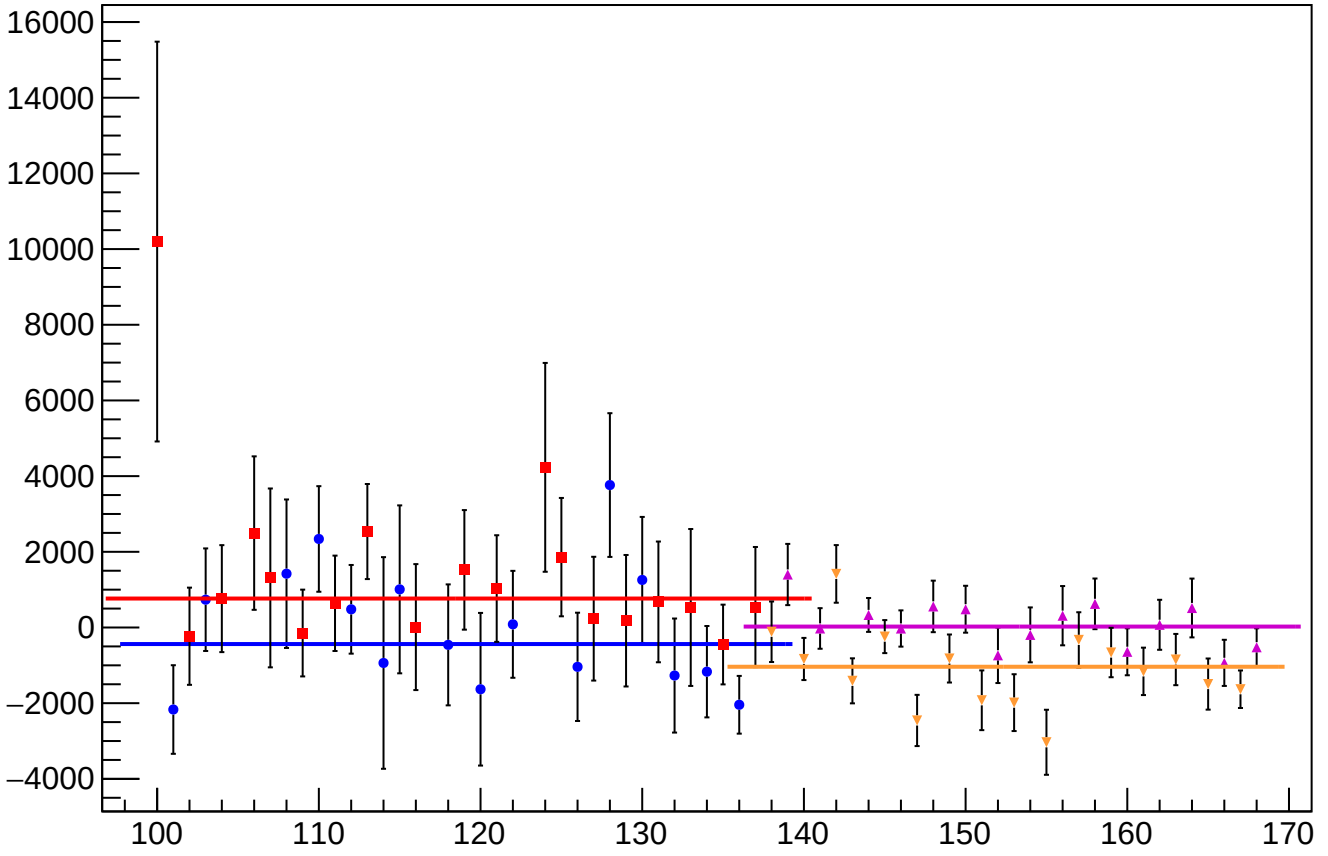
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.179+/-0.010 χ^2/NDF:776691.1/30

Out: 63.481+/-0.010 χ^2/NDF:836696.3/34

All: 63.331+/-0.007 χ^2/NDF: 1613823.0/65

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: -1037.298+/-159.725 χ^2/NDF:31.6/15

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 24.351+/-158.209 χ^2/NDF:11.9/14

Left: -501.410+/-112.403 χ^2/NDF: 65.8/30

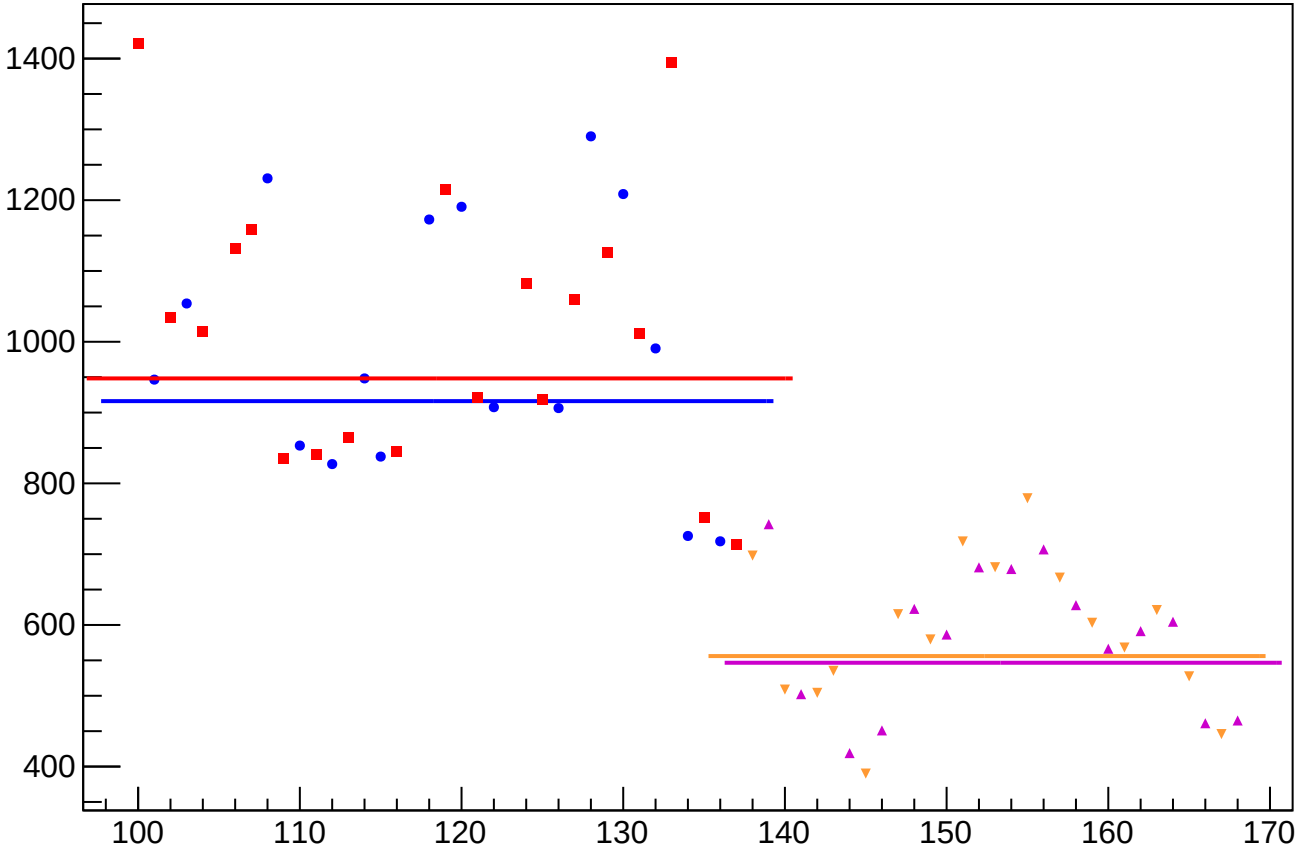
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -54.416+/-144.086 χ^2/NDF:33.9/30

Out: -731.026+/-145.525 χ^2/NDF:64.6/34

All: -389.358+/-102.389 χ^2/NDF: 109.4/65

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 556.064+/-0.113 χ^2/NDF:849237.3/15

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 546.623+/-0.112 χ^2/NDF:767749.2/14

Left: 551.299+/-0.079 χ^2/NDF: 1620513.1/30

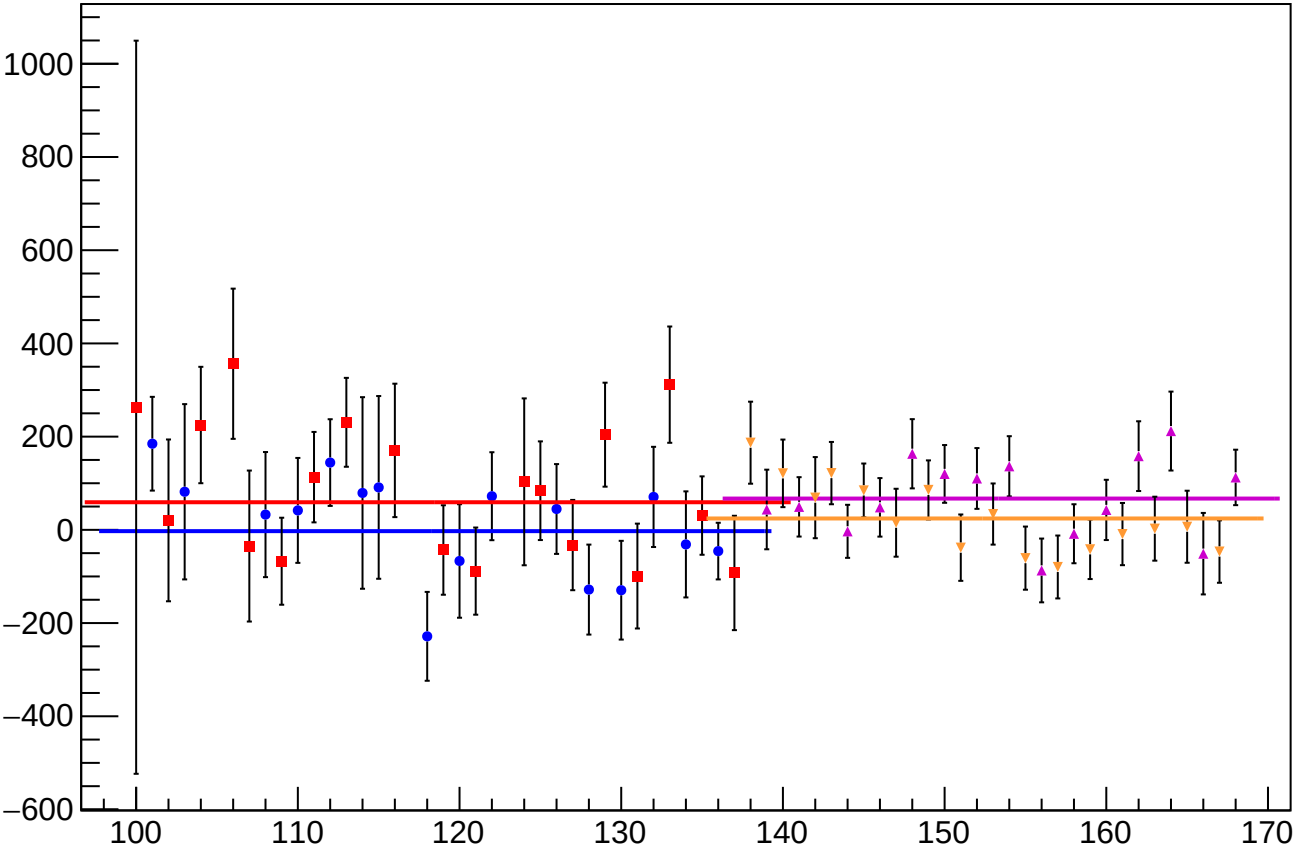
Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 609.656+/-0.102 χ^2/NDF:3138105.6/30

Out: 622.695+/-0.103 χ^2/NDF:3312917.7/34

All: 616.110+/-0.072 χ^2/NDF: 6459131.3/65

cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 67.128+/-17.418 χ^2/NDF:19.2/14

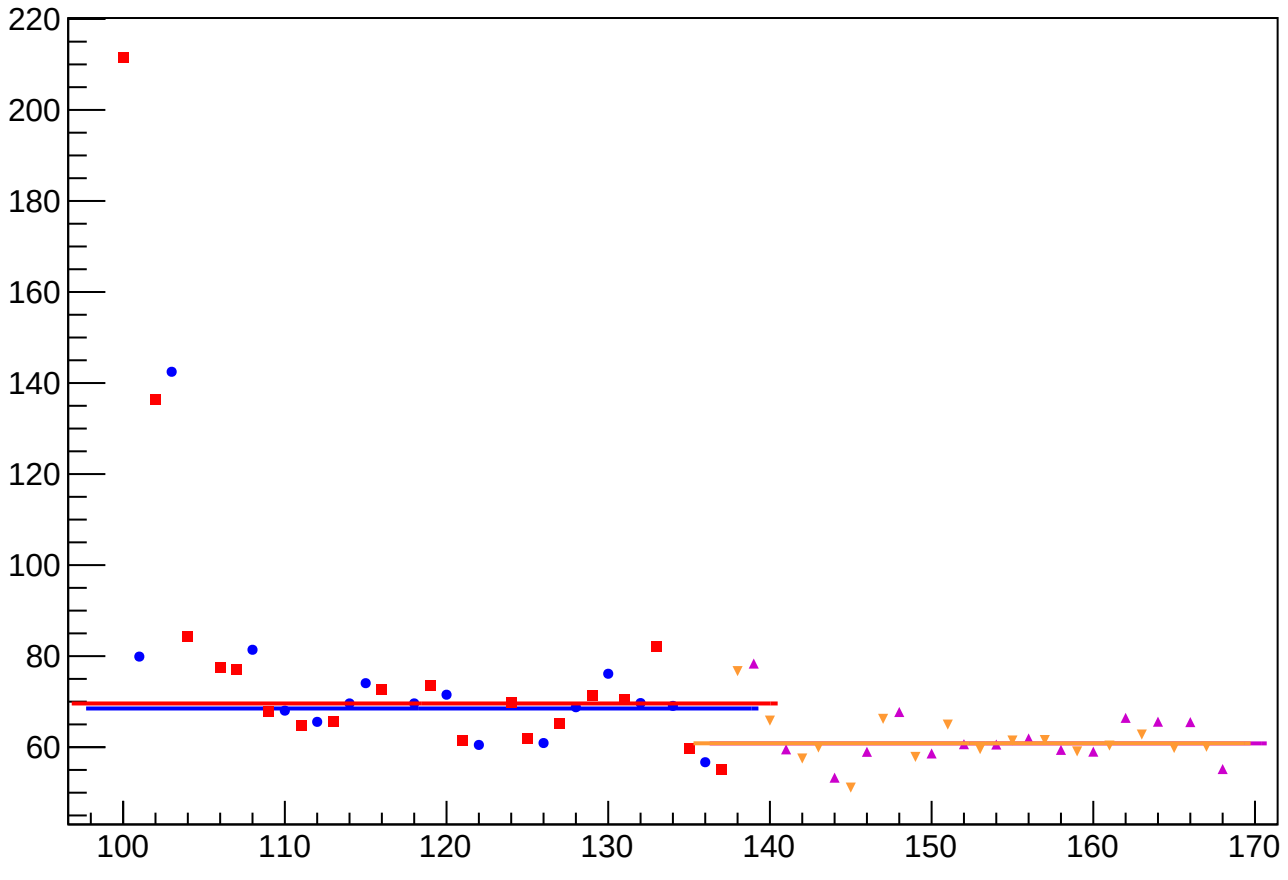
Left: 45.586+/-12.264 χ^2/NDF: 39.2/30

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.719+/-14.507 χ^2/NDF:41.9/30

Out: 34.851+/-14.450 χ^2/NDF:43.9/34

All: 40.263+/-10.238 χ^2/NDF: 86.0/65



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

Left: 60.841+/-0.009 χ^2/NDF: 347721.2/30

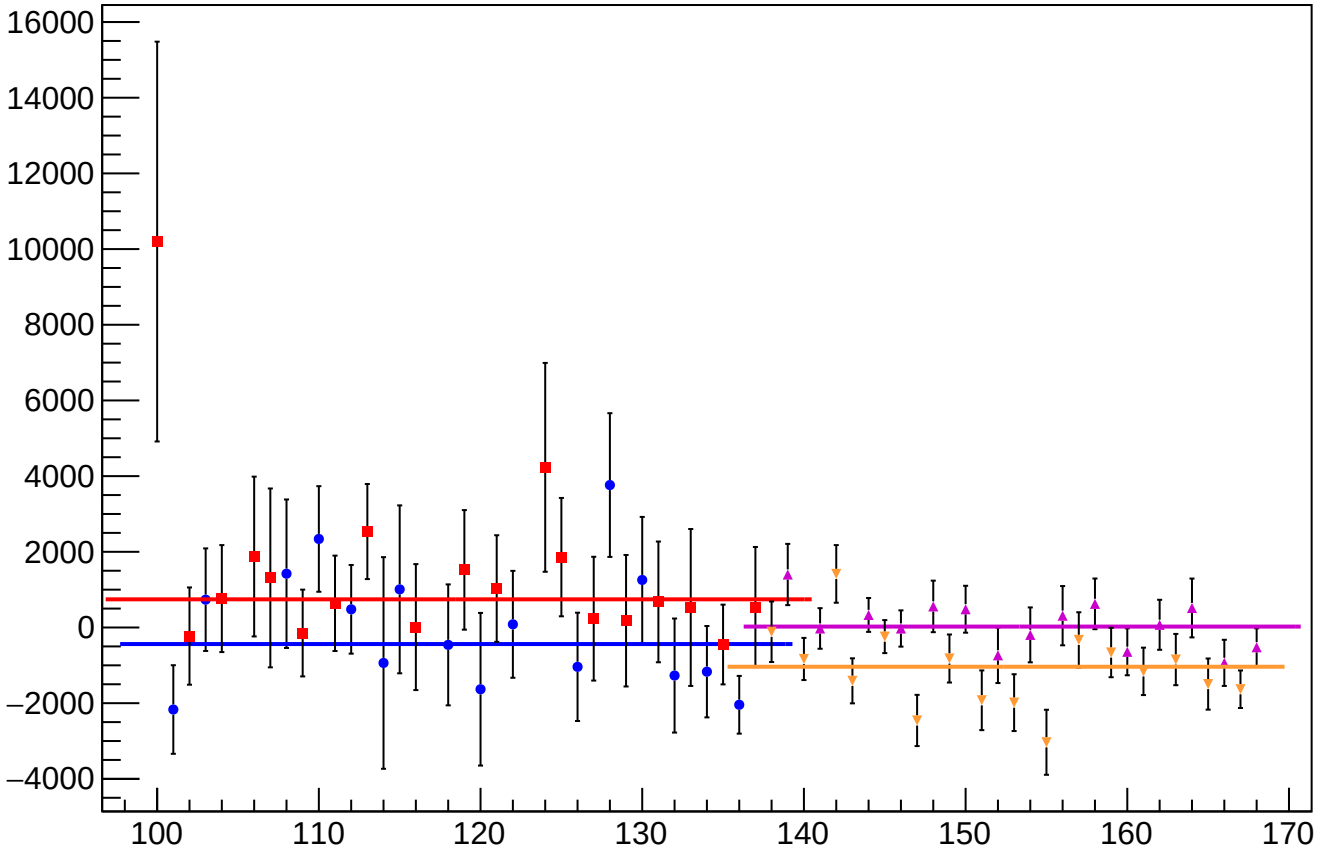
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.179+/-0.010 χ^2/NDF:776694.1/30

Out: 63.475+/-0.010 χ^2/NDF:835394.1/34

All: 63.328+/-0.007 χ^2/NDF: 1612506.8/65

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: -1037.291+/-159.725 χ^2/NDF:31.6/15

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 24.353+/-158.209 χ^2/NDF:11.9/14

Left: -501.406+/-112.403 χ^2/NDF: 65.8/30

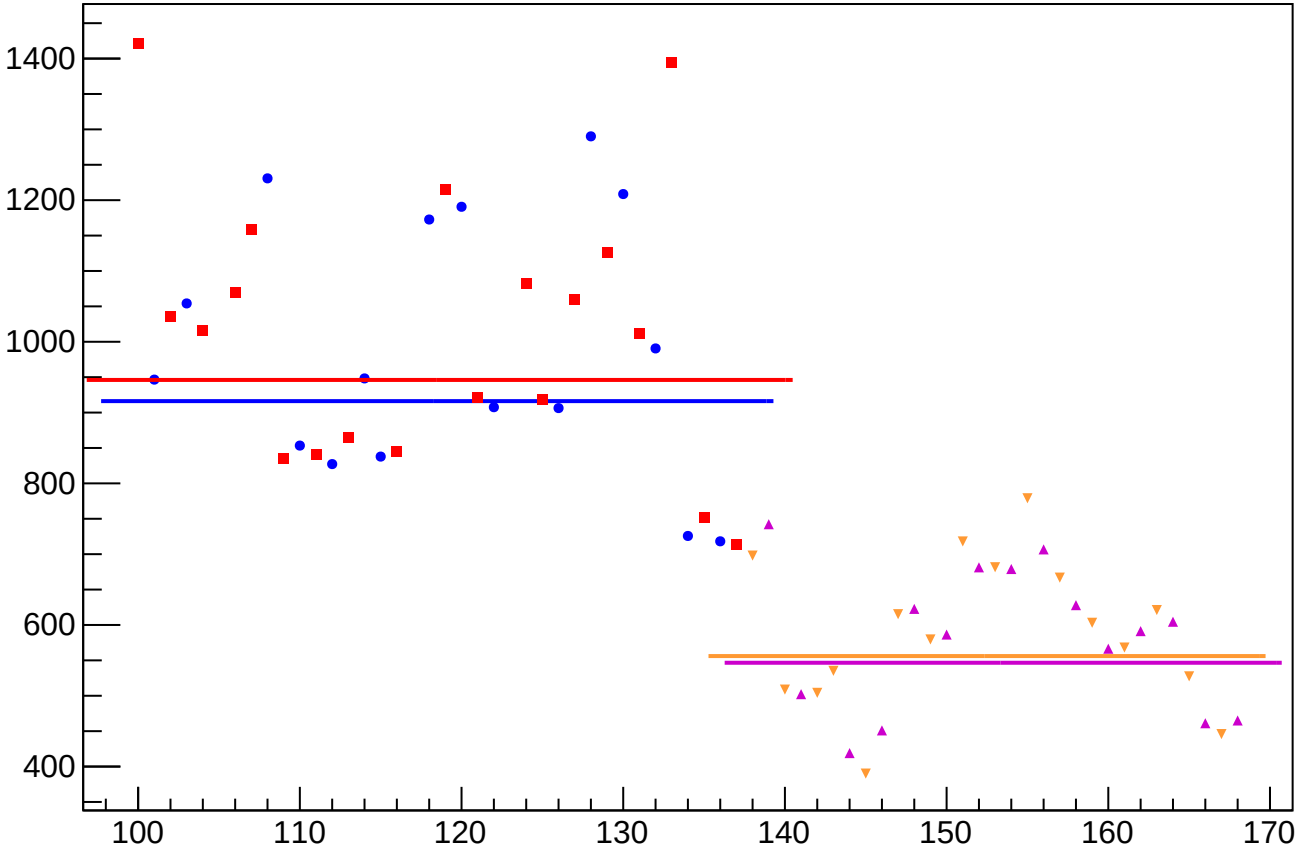
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -54.408+/-144.086 χ^2/NDF:33.9/30

Out: -735.200+/-145.556 χ^2/NDF:63.6/34

All: -391.350+/-102.400 χ^2/NDF: 108.5/65

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: 556.064+/-0.113 χ^2/NDF:849241.8/15

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 546.624+/-0.112 χ^2/NDF:767746.8/14

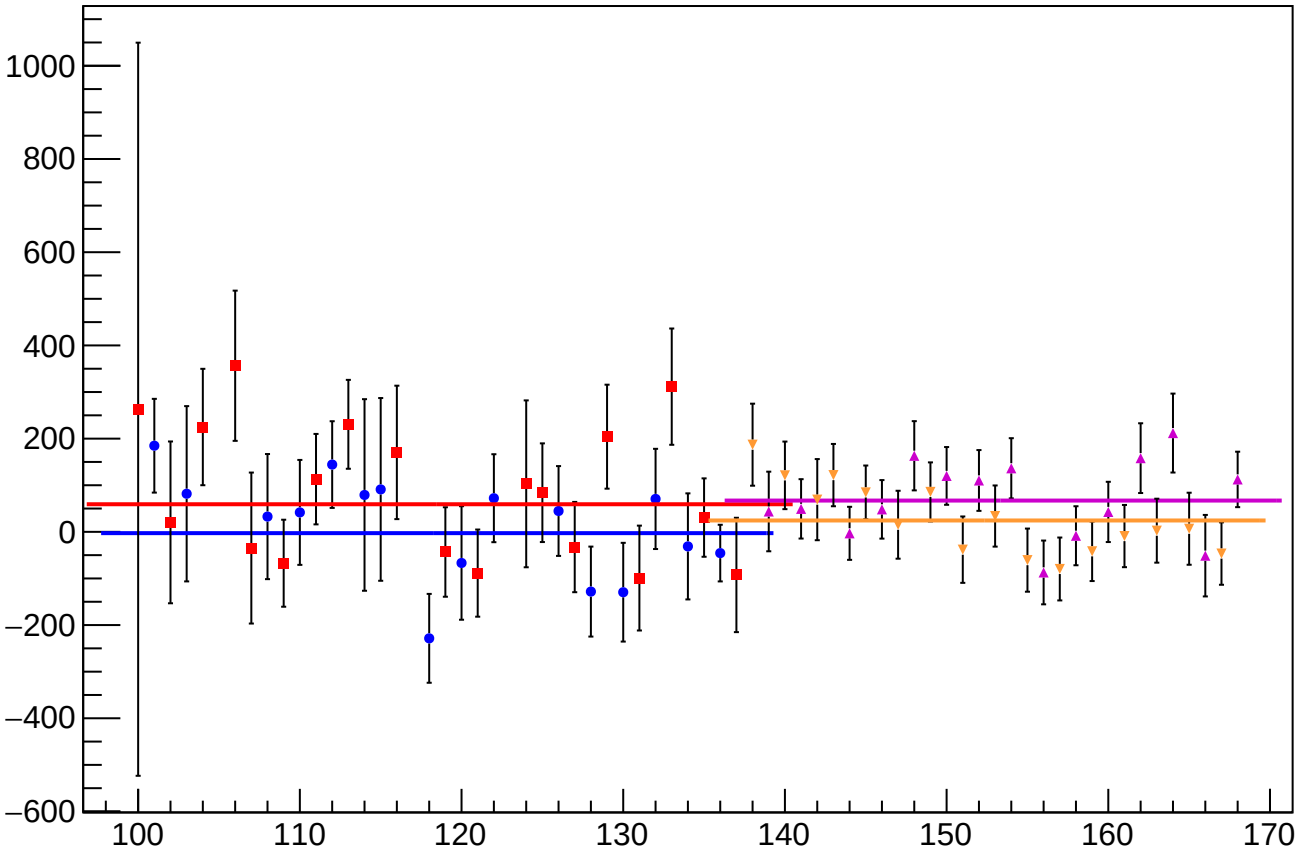
Left: 551.299+/-0.079 χ^2/NDF: 1620514.9/30

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 609.656+/-0.102 χ^2/NDF:3138147.1/30

Out: 622.195+/-0.103 χ^2/NDF:3276673.6/34

All: 615.862+/-0.072 χ^2/NDF: 6422316.9/65



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 24.407+/-17.270 χ^2/NDF:17.0/15

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 67.128+/-17.418 χ^2/NDF:19.2/14

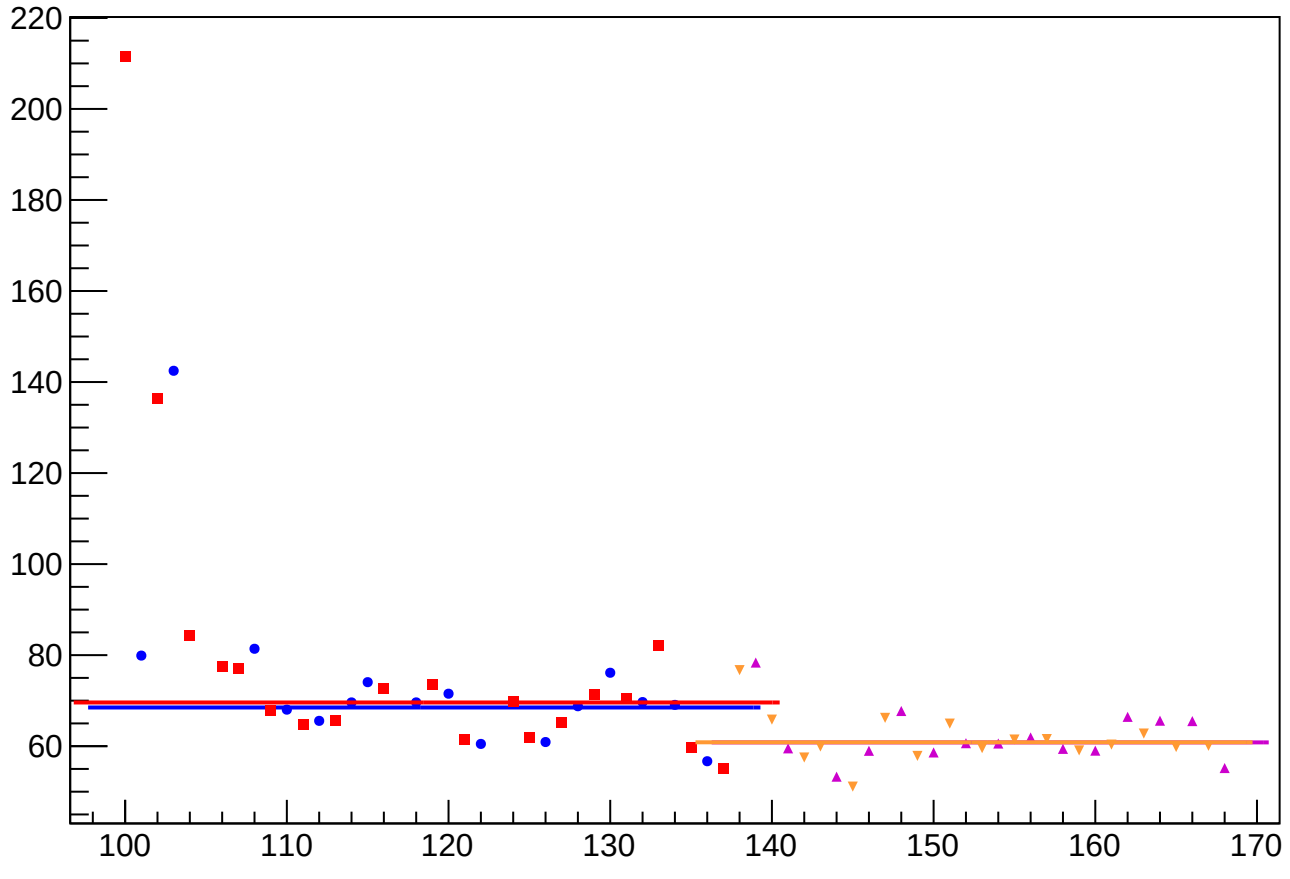
Left: 45.586+/-12.264 χ^2/NDF: 39.2/30

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.719+/-14.507 χ^2/NDF:41.9/30

Out: 34.851+/-14.450 χ^2/NDF:43.9/34

All: 40.263+/-10.238 χ^2/NDF: 86.0/65



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.851+/-0.012 χ^2/NDF:161622.6/15

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.830+/-0.012 χ^2/NDF:186097.3/14

Left: 60.841+/-0.009 χ^2/NDF: 347721.2/30

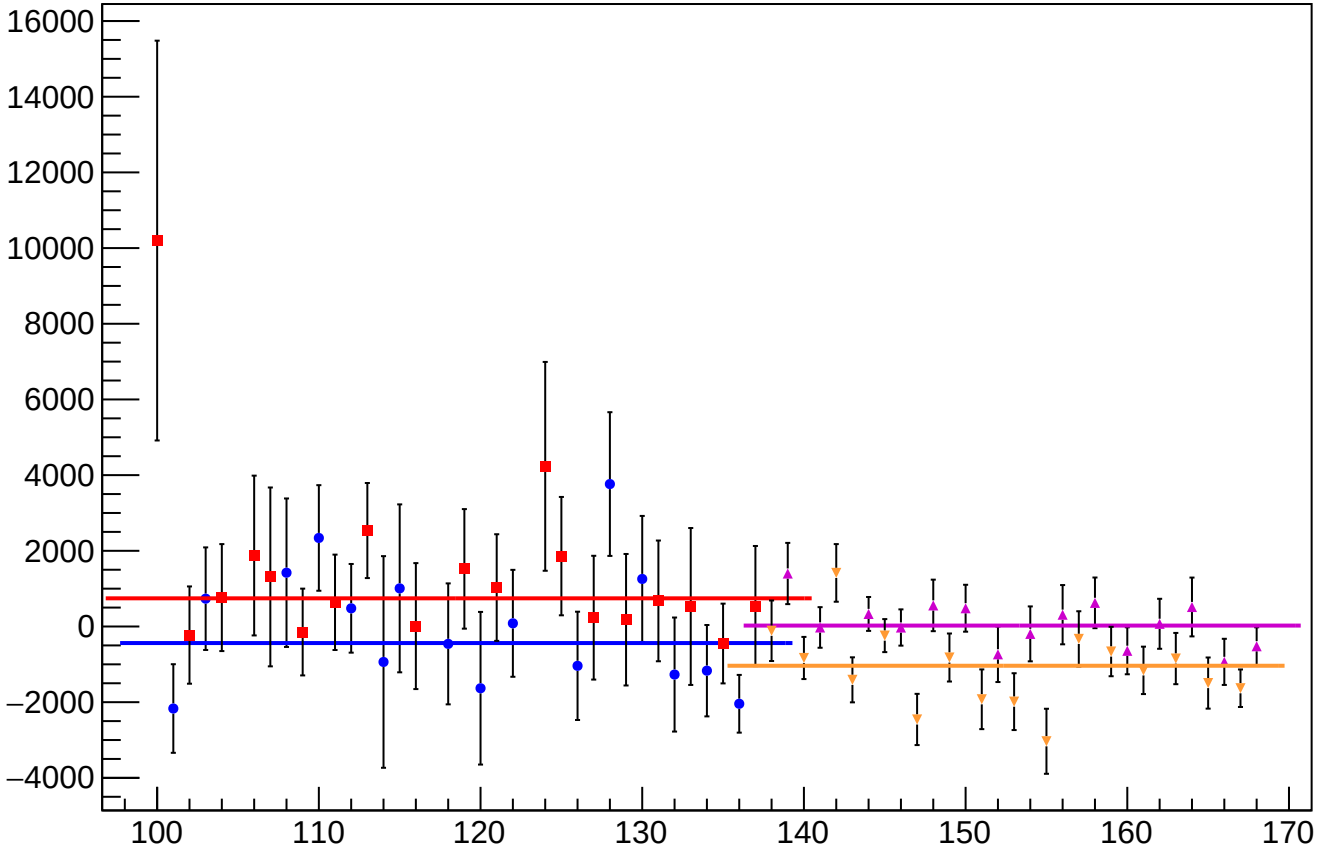
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.179+/-0.010 χ^2/NDF:776694.1/30

Out: 63.475+/-0.010 χ^2/NDF:835394.1/34

All: 63.328+/-0.007 χ^2/NDF: 1612506.8/65

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: -1037.291+/-159.725 χ^2/NDF:31.6/15

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 24.353+/-158.209 χ^2/NDF:11.9/14

Left: -501.406+/-112.403 χ^2/NDF: 65.8/30

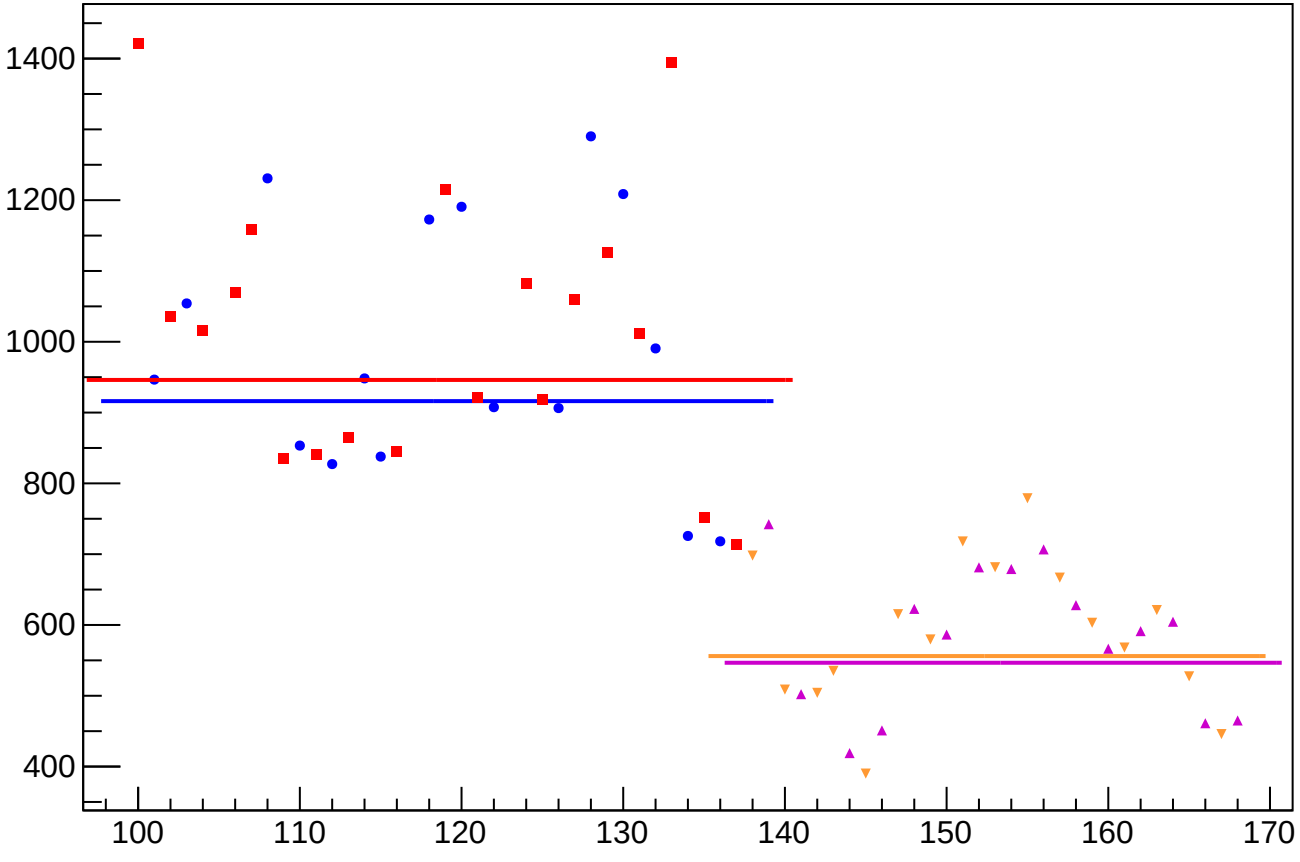
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -54.408+/-144.086 χ^2/NDF:33.9/30

Out: -735.200+/-145.556 χ^2/NDF:63.6/34

All: -391.350+/-102.400 χ^2/NDF: 108.5/65

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: 556.064+/-0.113 χ^2/NDF:849241.8/15

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 546.624+/-0.112 χ^2/NDF:767746.8/14

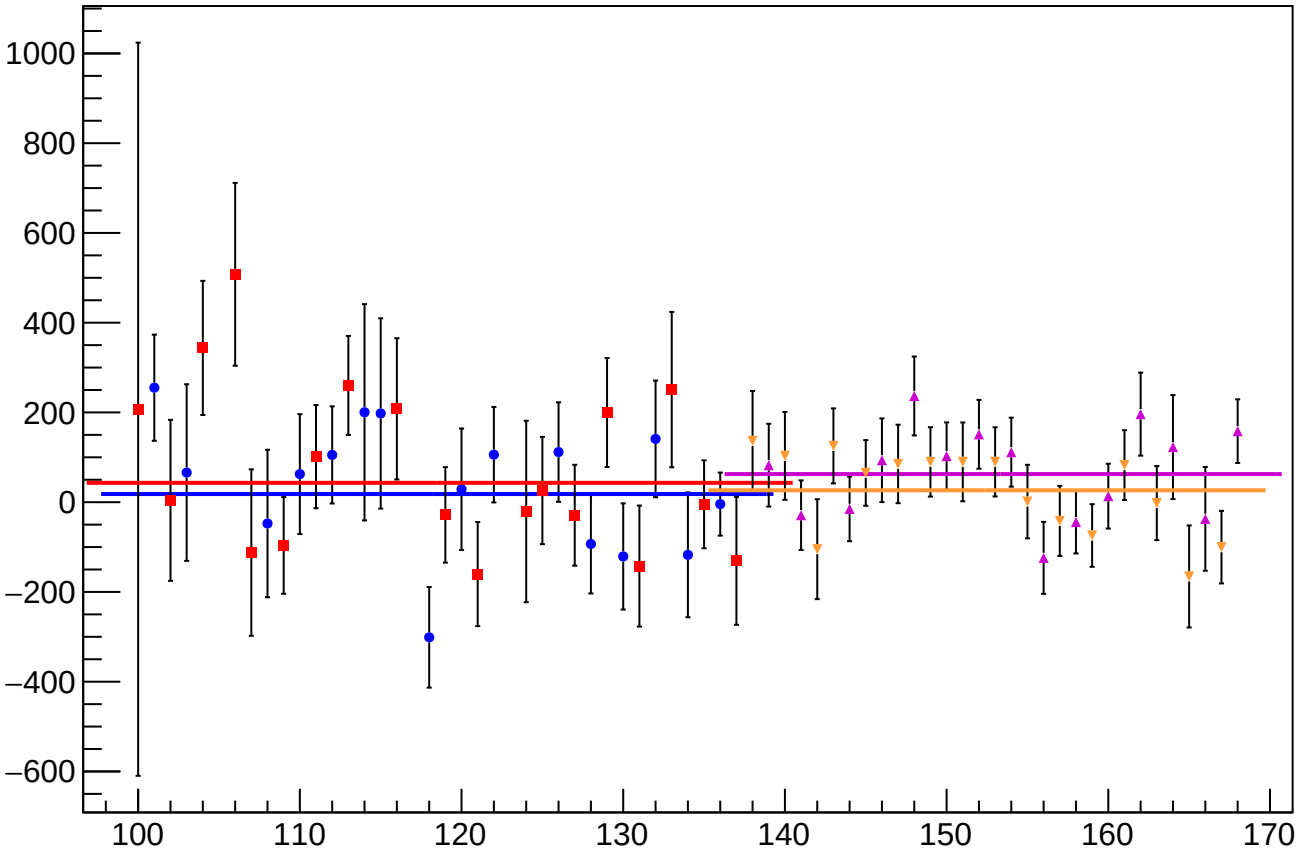
Left: 551.299+/-0.079 χ^2/NDF: 1620514.9/30

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 609.656+/-0.102 χ^2/NDF:3138147.1/30

Out: 622.195+/-0.103 χ^2/NDF:3276673.6/34

All: 615.862+/-0.072 χ^2/NDF: 6422316.9/65



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.545+/-21.068 χ^2/NDF:15.9/15

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.626+/-21.058 χ^2/NDF:21.8/14

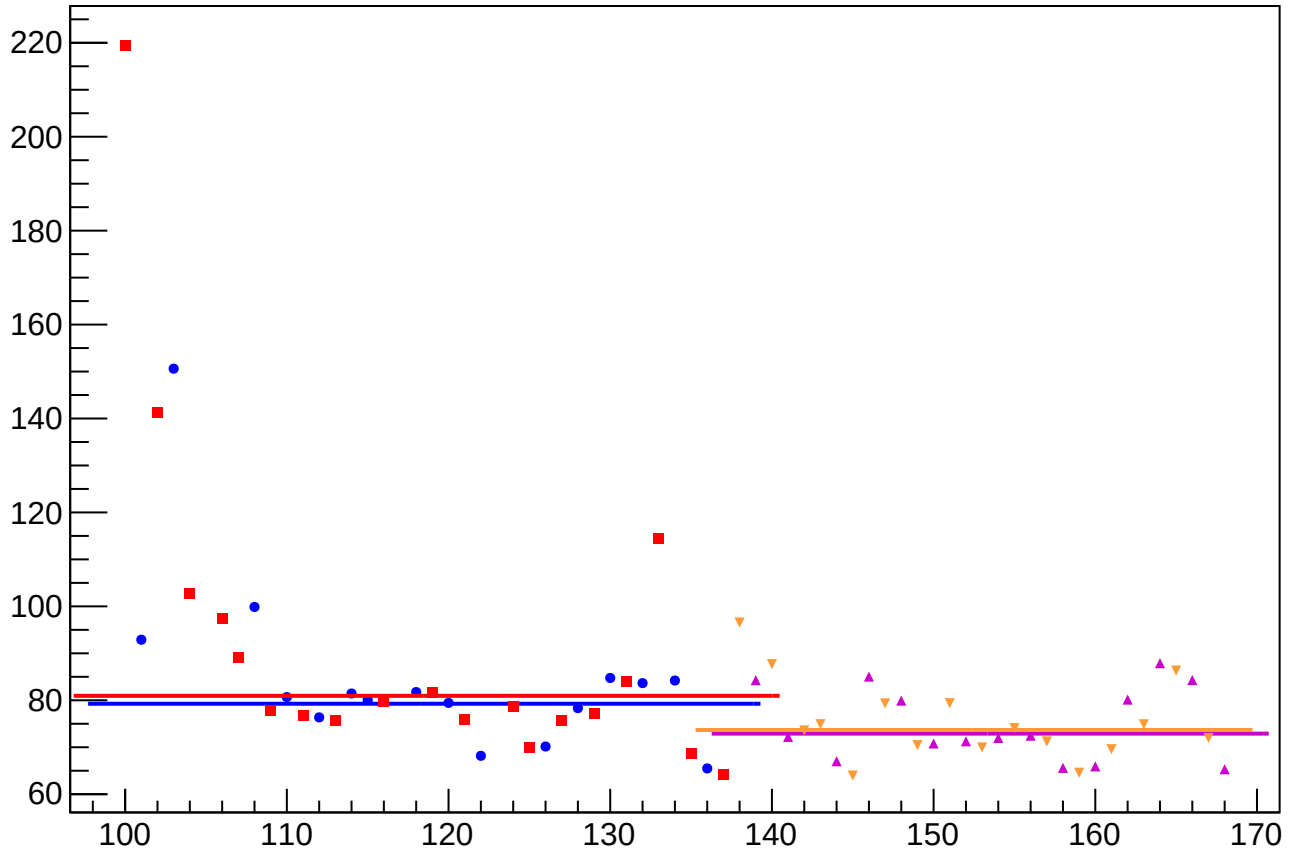
Left: 44.595+/-14.894 χ^2/NDF: 39.1/30

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 48.179+/-17.301 χ^2/NDF:43.4/30

Out: 31.859+/-17.373 χ^2/NDF:43.8/34

All: 40.053+/-12.259 χ^2/NDF: 87.6/65



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.672+/-0.015 χ^2/NDF:253952.3/15

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.903+/-0.015 χ^2/NDF:222063.4/14

Left: 73.287+/-0.011 χ^2/NDF: 477348.8/30

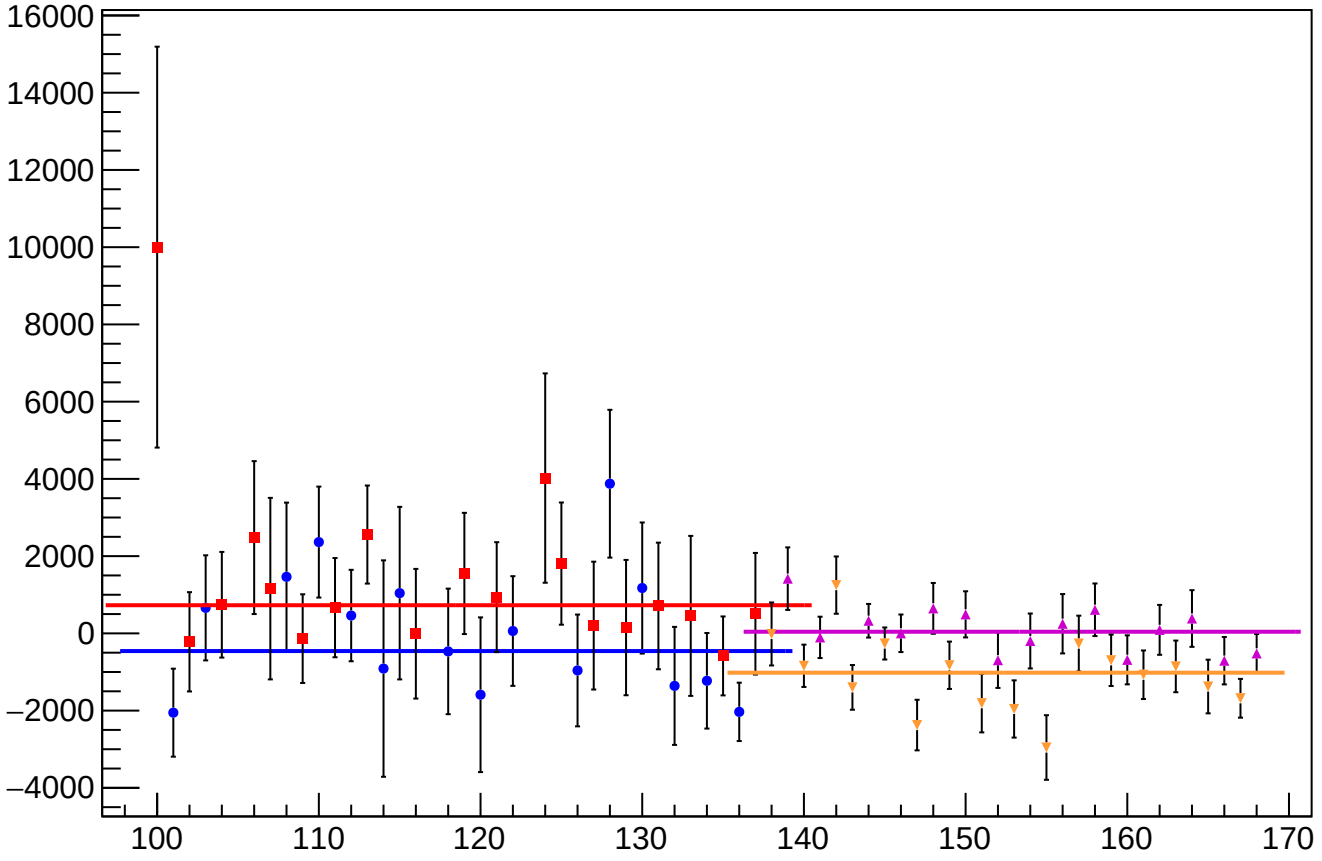
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.970+/-0.012 χ^2/NDF:726319.0/30

Out: 76.004+/-0.012 χ^2/NDF:844707.4/34

All: 75.485+/-0.009 χ^2/NDF: 1574584.0/65

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: -1018.254+/-157.283 χ^2/NDF:30.6/15

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 42.179+/-156.660 χ^2/NDF:11.0/14

Left: -485.936+/-110.995 χ^2/NDF: 64.4/30

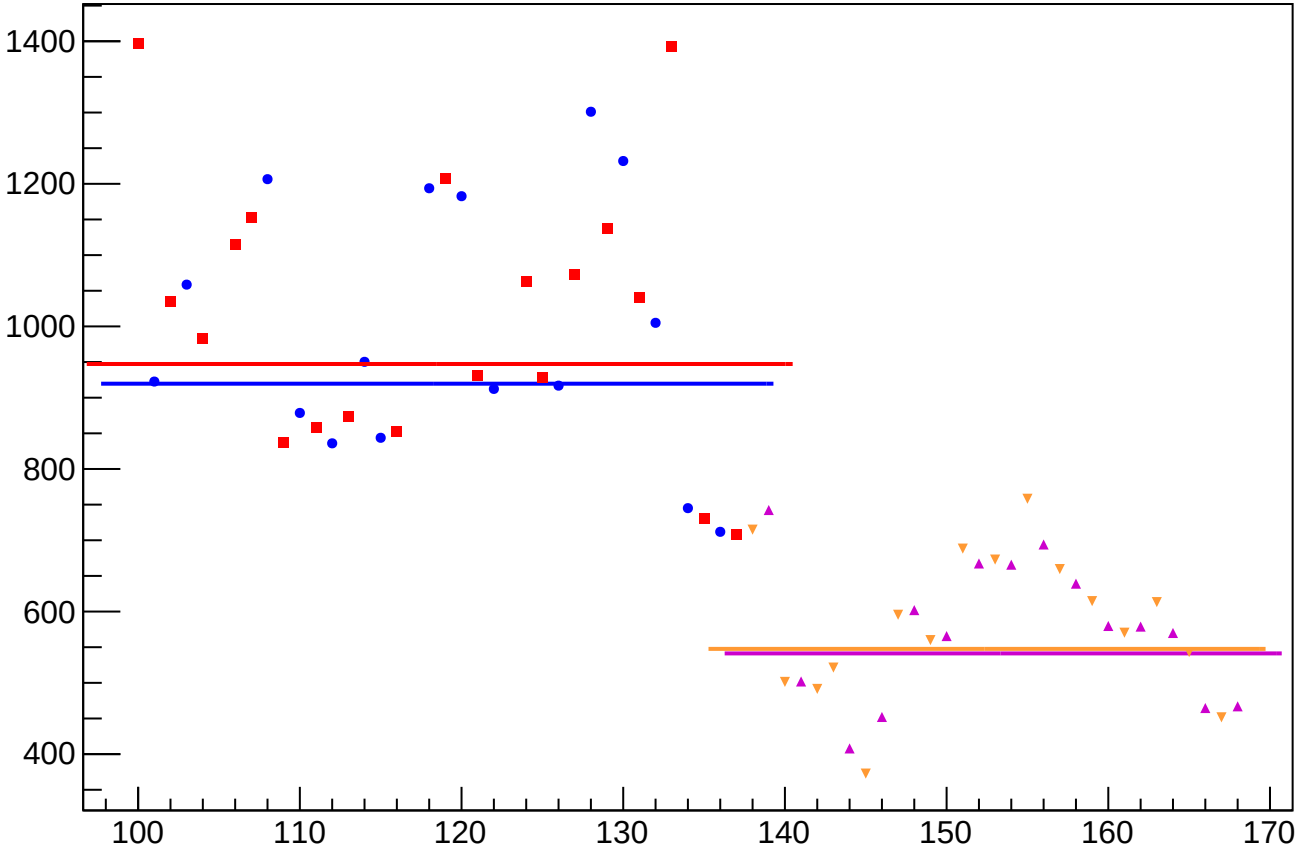
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -41.293+/-142.995 χ^2/NDF:33.0/30

Out: -728.296+/-143.639 χ^2/NDF:62.6/34

All: -383.253+/-101.340 χ^2/NDF: 107.0/65

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: 547.648+/-0.111 χ^2/NDF:897422.3/15

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 541.296+/-0.111 χ^2/NDF:744649.5/14

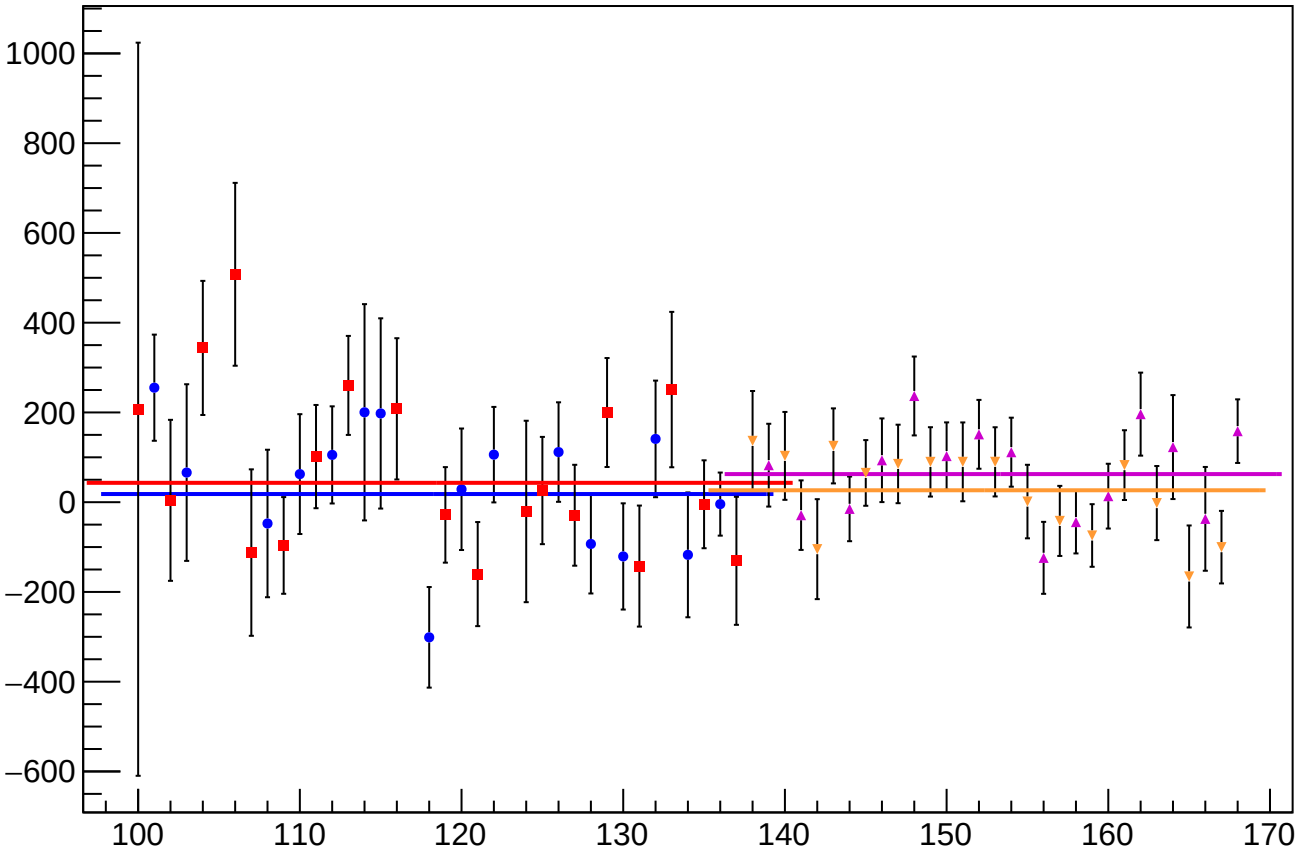
Left: 544.460+/-0.078 χ^2/NDF: 1643709.2/30

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 604.422+/-0.101 χ^2/NDF:3206356.8/30

Out: 613.976+/-0.102 χ^2/NDF:3465937.5/34

All: 609.177+/-0.072 χ^2/NDF: 6676738.0/65



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 26.547+/-21.069 χ^2/NDF:15.9/15

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.625+/-21.058 χ^2/NDF:21.8/14

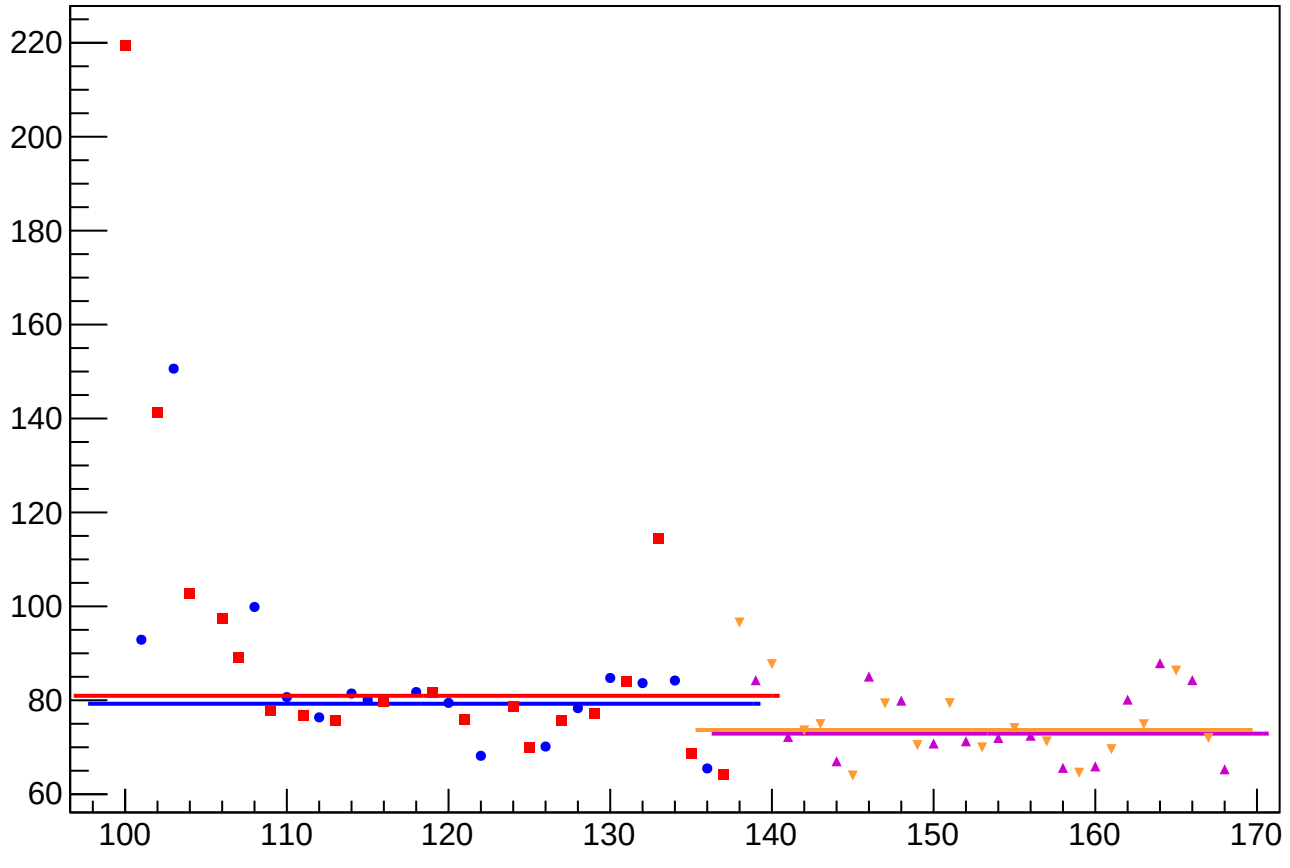
Left: 44.595+/-14.894 χ^2/NDF: 39.1/30

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

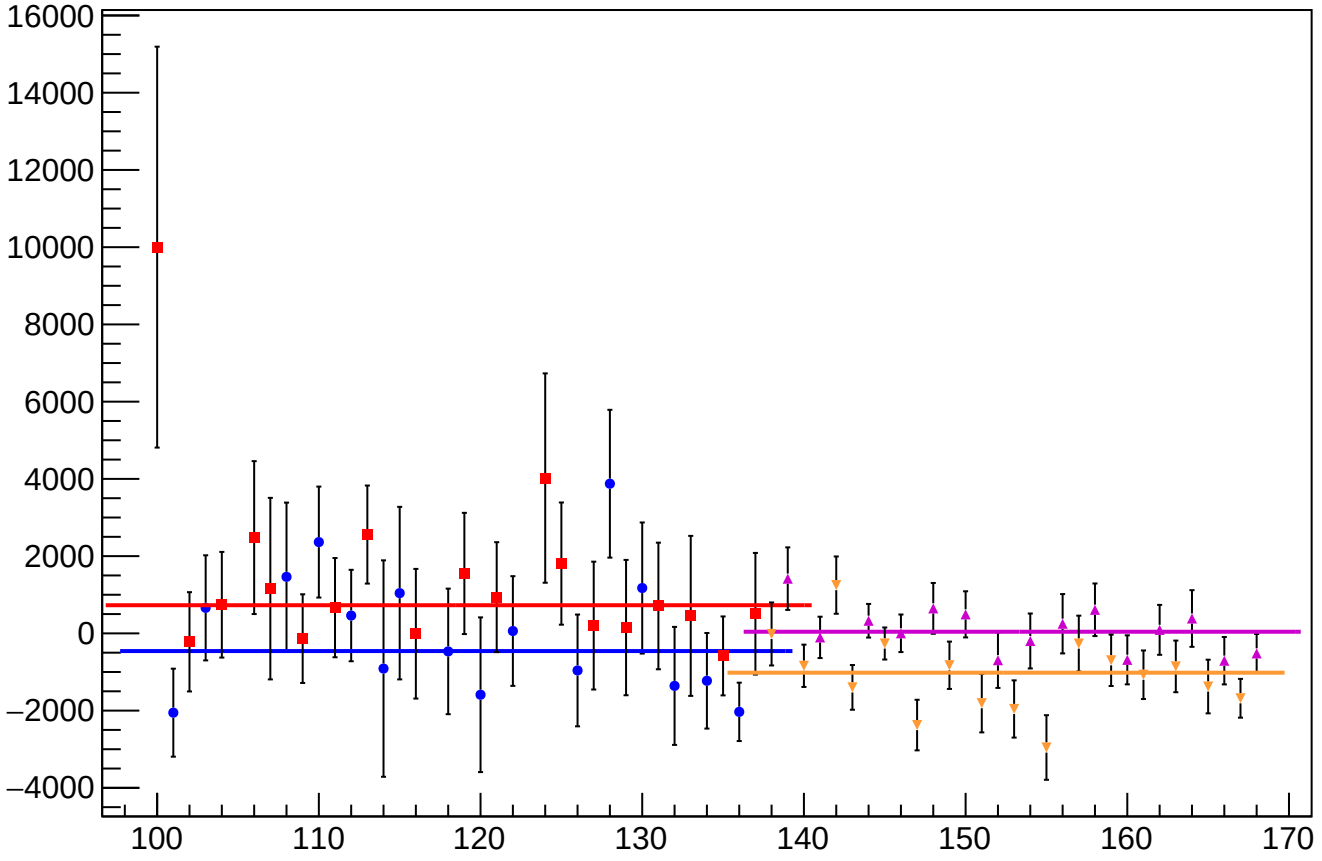
In: 48.178+/-17.301 χ^2/NDF:43.4/30

Out: 31.859+/-17.373 χ^2/NDF:43.8/34

All: 40.052+/-12.259 χ^2/NDF: 87.6/65


eigen_dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
100
110
120
130
140
150
160
170
Right In: 79.263+/-0.021 χ²/NDF: 444948.4/15
Left Out: 73.672+/-0.015 χ²/NDF:253949.2/15
Right Out: 80.958+/-0.022 χ²/NDF: 514191.2/18
Left In: 72.903+/-0.015 χ²/NDF:222067.8/14
Left: 73.287+/-0.011 χ²/NDF: 477350.1/30
Right: 80.100+/-0.015 χ²/NDF: 962223.7/34
In: 74.970+/-0.012 χ²/NDF:726311.7/30
Out: 76.004+/-0.012 χ²/NDF:844703.4/34
All: 75.485+/-0.009 χ²/NDF: 1574572.8/65

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: -1018.253+/-157.283 χ^2/NDF:30.6/15

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 42.178+/-156.660 χ^2/NDF:11.0/14

Left: -485.936+/-110.995 χ^2/NDF: 64.4/30

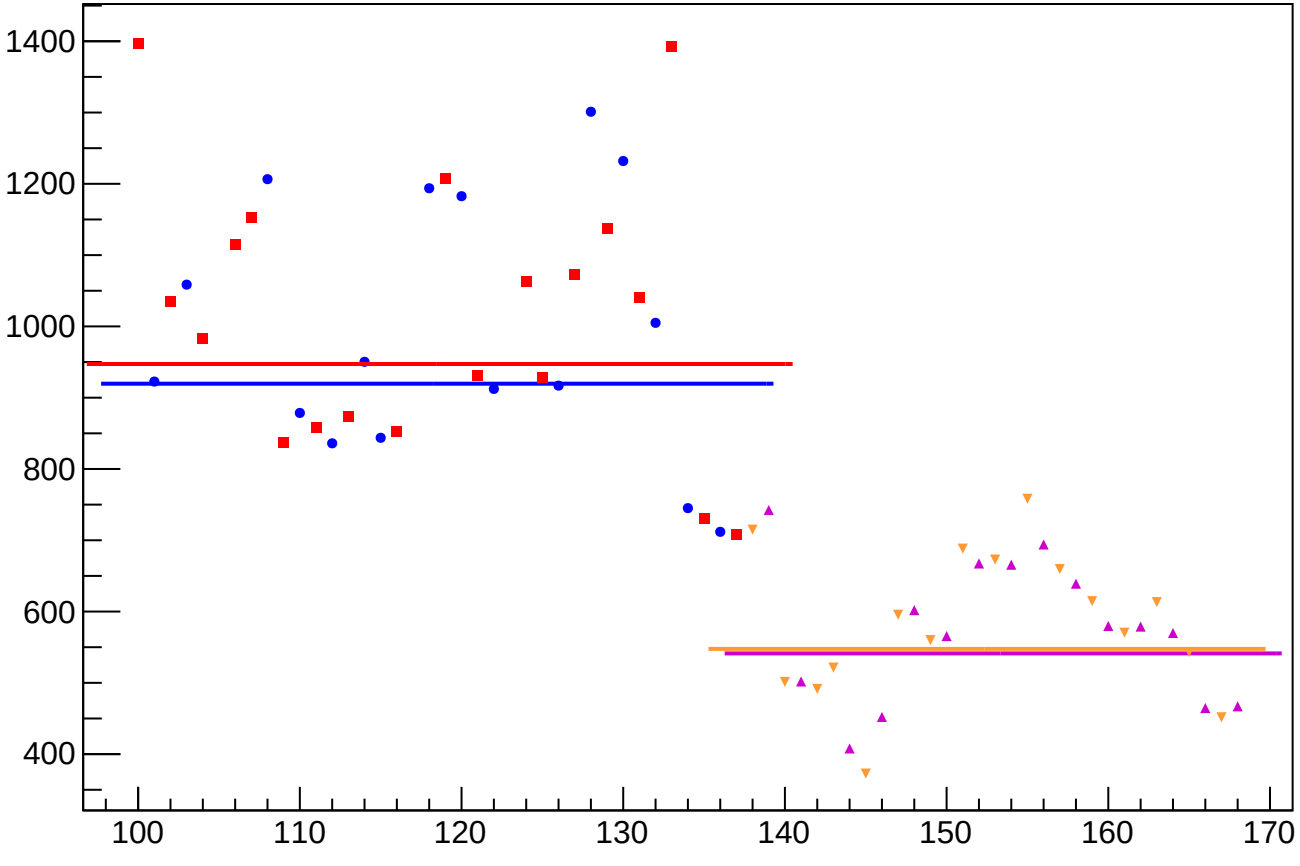
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -41.294+/-142.995 χ^2/NDF:33.0/30

Out: -728.295+/-143.638 χ^2/NDF:62.6/34

All: -383.252+/-101.339 χ^2/NDF: 107.0/65

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: 547.647+/-0.111 χ^2/NDF:897426.9/15

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 541.295+/-0.111 χ^2/NDF:744649.7/14

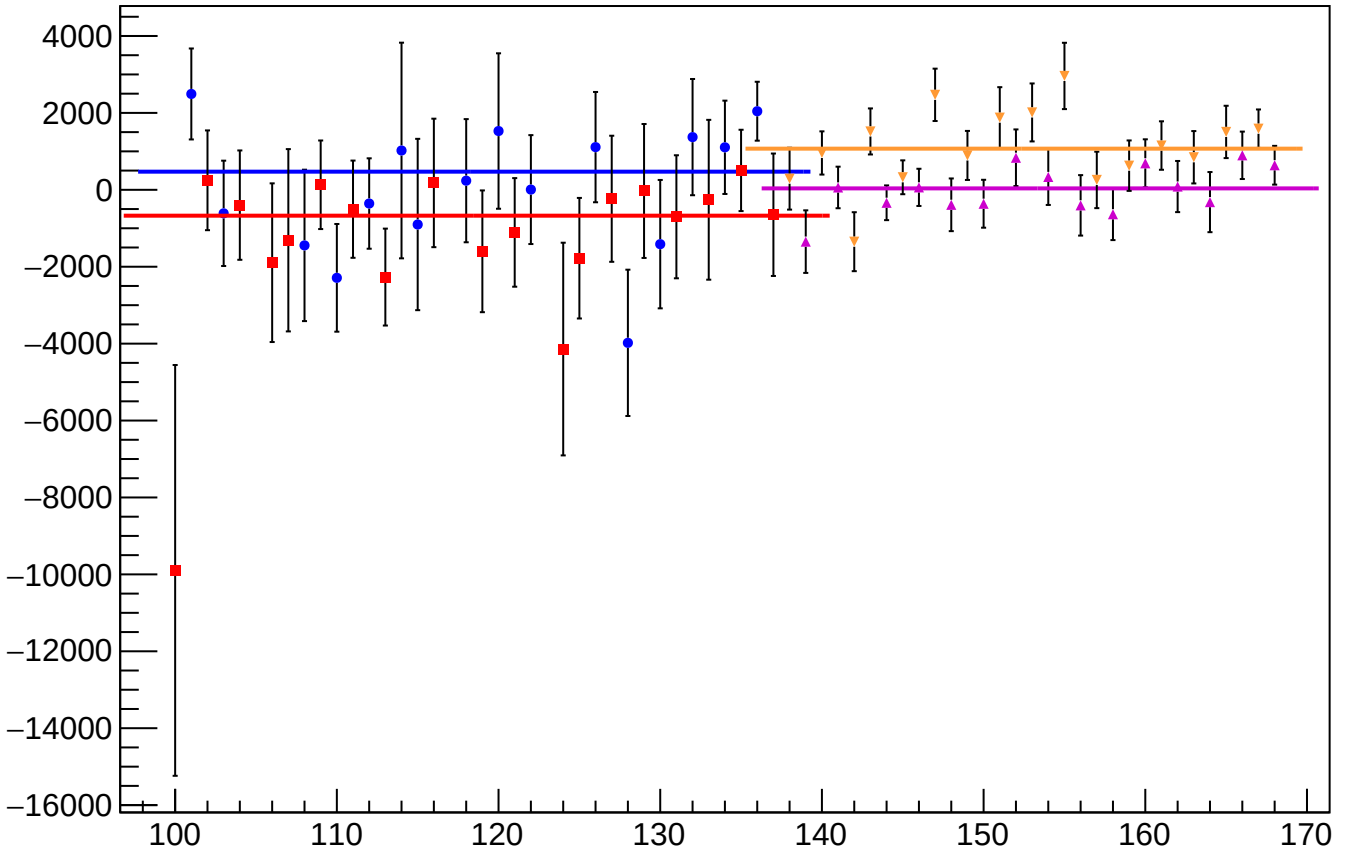
Left: 544.459+/-0.078 χ^2/NDF: 1643713.9/30

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 604.421+/-0.101 χ^2/NDF:3206353.2/30

Out: 613.974+/-0.102 χ^2/NDF:3465938.8/34

All: 609.176+/-0.072 χ^2/NDF: 6676735.7/65



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1070.275+/-160.773 χ^2/NDF:29.4/15

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 36.949+/-159.283 χ^2/NDF:11.7/14

Left: 548.803+/-113.153 χ^2/NDF: 61.9/30

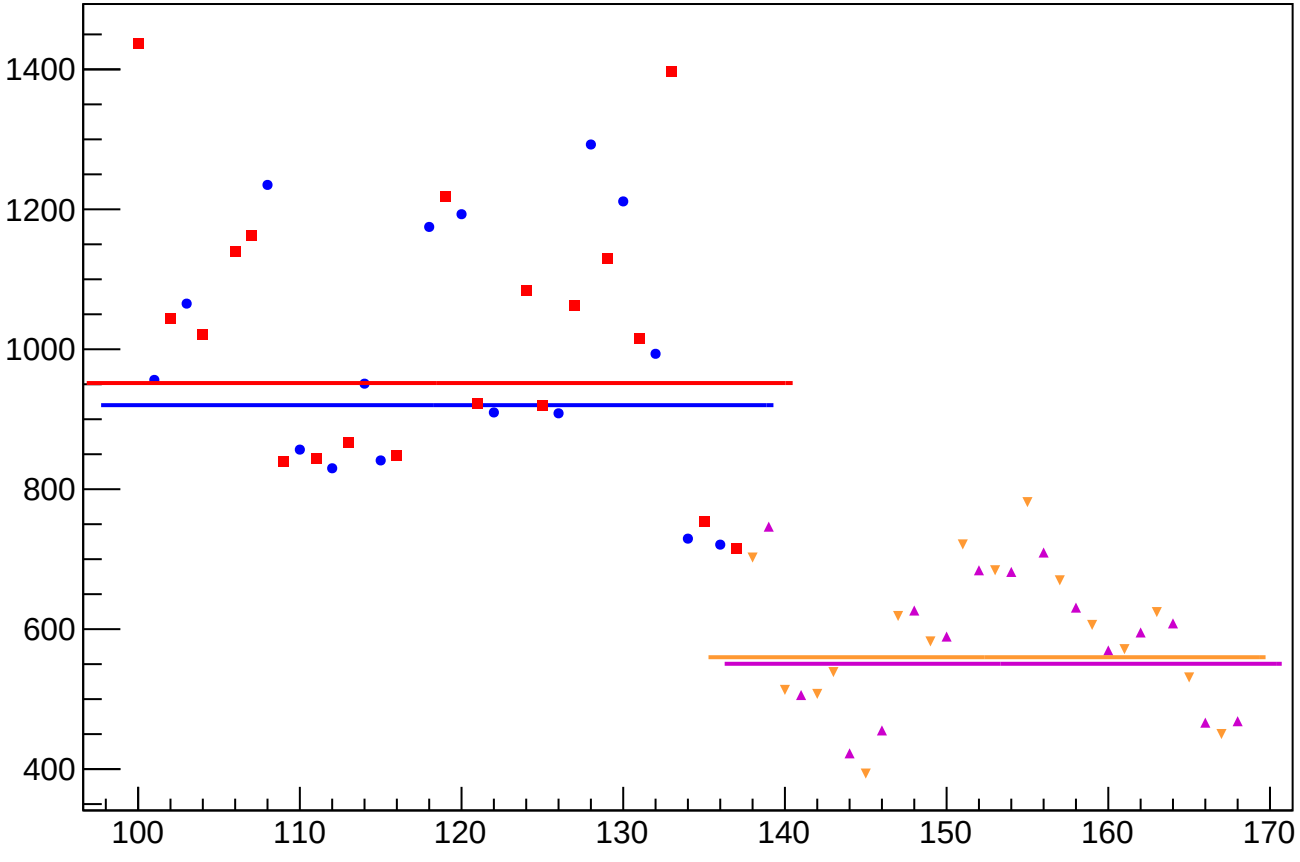
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 111.463+/-145.003 χ^2/NDF:34.5/30

Out: 772.981+/-146.420 χ^2/NDF:59.7/34

All: 439.006+/-103.030 χ^2/NDF: 104.5/65

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 559.891+/-0.114 χ^2/NDF:833696.5/15

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 550.506+/-0.113 χ^2/NDF:753697.5/14

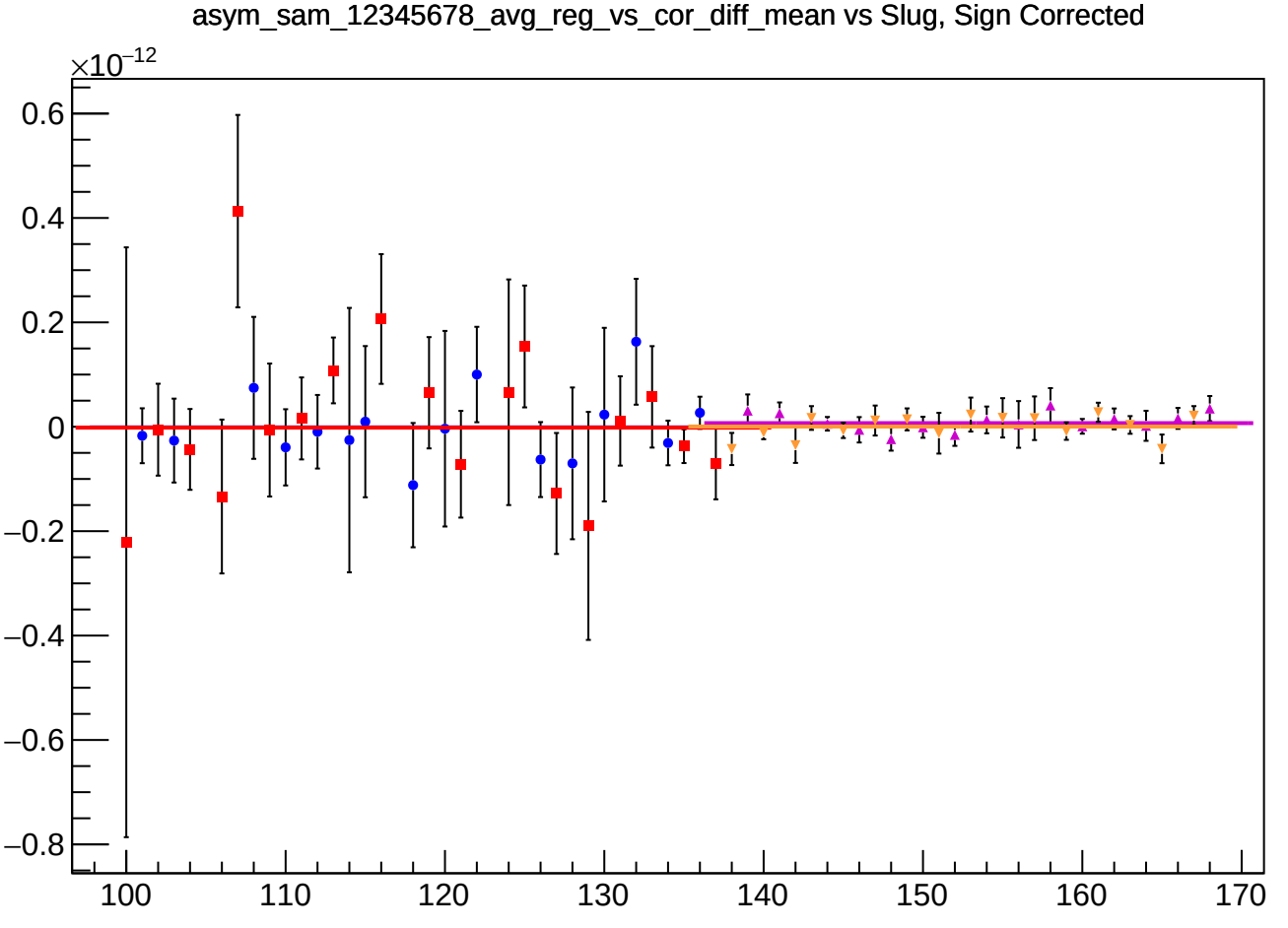
Left: 555.155+/-0.080 χ^2/NDF: 1590833.1/30

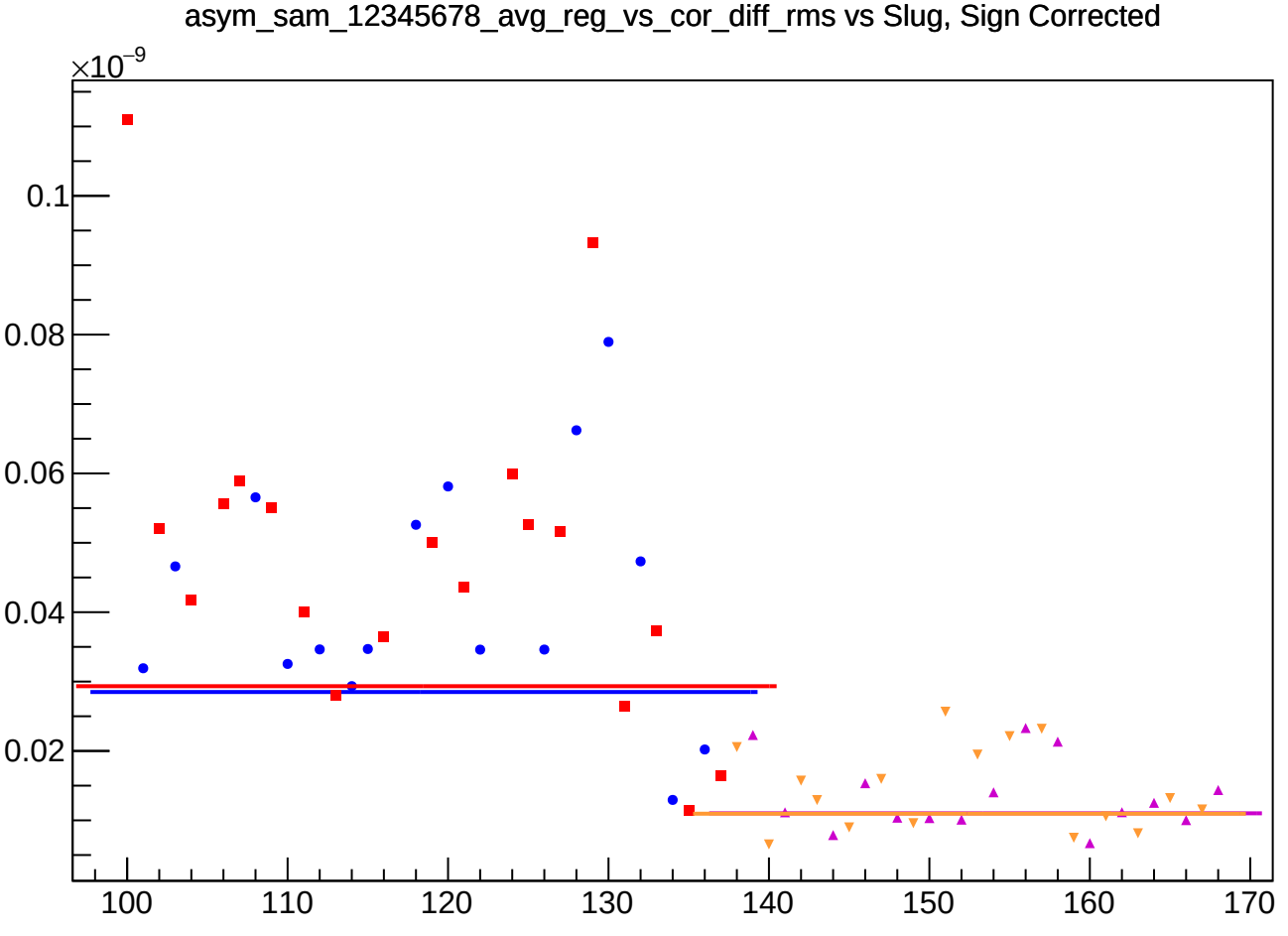
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 613.811+/-0.103 χ^2/NDF:3106898.1/30

Out: 626.731+/-0.104 χ^2/NDF:3276318.9/34

All: 620.208+/-0.073 χ^2/NDF: 6391079.1/65


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:8.0/14
Left: 0.000+/-0.000 χ²/NDF: 21.0/30
Right: -0.000+/-0.000 χ²/NDF: 26.5/34
In: 0.000+/-0.000 χ²/NDF:15.2/30
Out: 0.000+/-0.000 χ²/NDF:31.7/34
All: 0.000+/-0.000 χ²/NDF: 47.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510247.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1056241.9/14

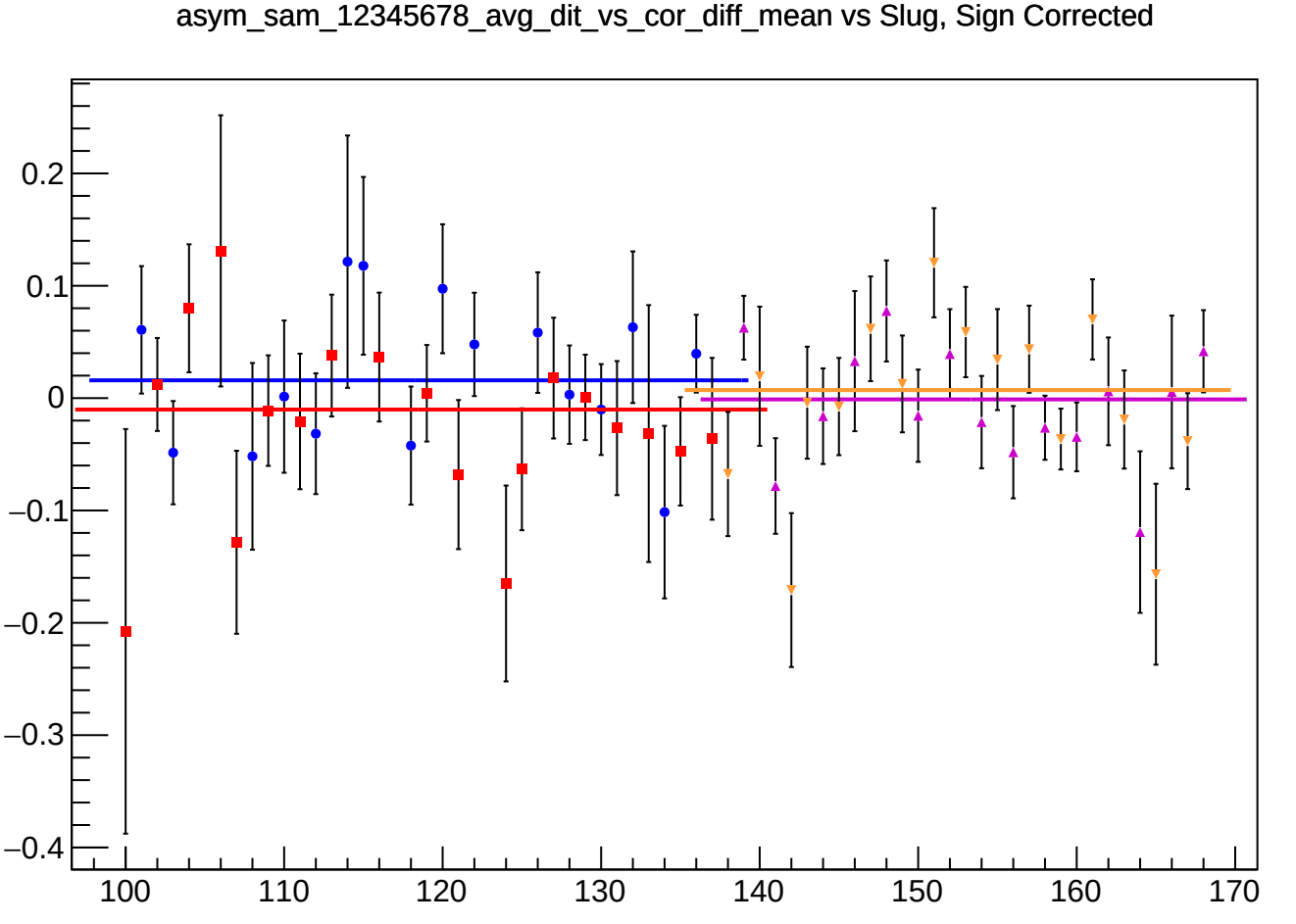
Left: 0.000+/-0.000 χ^2/NDF: 2566598.1/30

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3988184.2/30

Out: 0.000+/-0.000 χ^2/NDF:4847053.5/34

All: 0.000+/-0.000 χ^2/NDF: 8837732.9/65



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/14

Left: 0.003+/-0.008 χ^2/NDF: 50.7/30

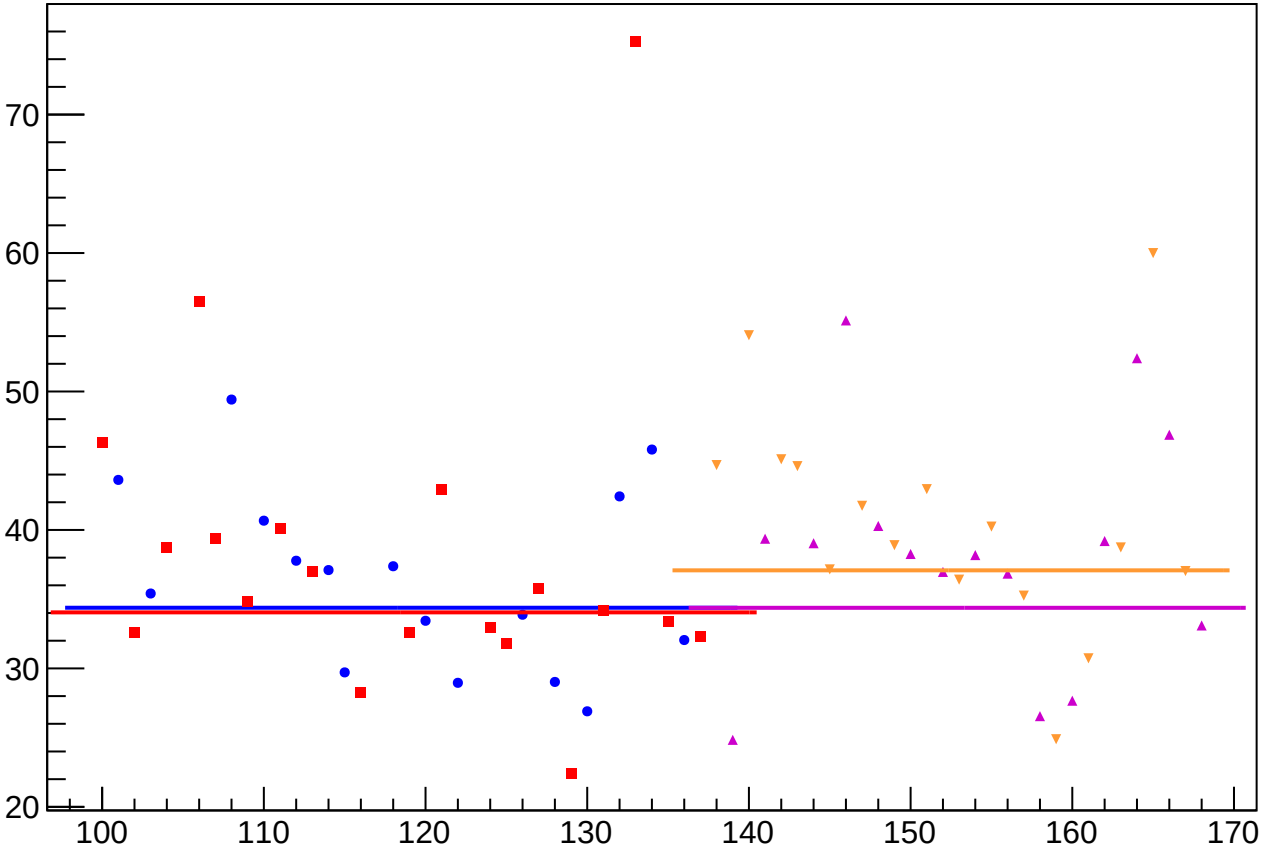
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/30

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.003+/-0.006 χ^2/NDF: 82.5/65

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.083+/-0.008 χ^2/NDF:962423.4/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.377+/-0.007 χ^2/NDF:1046340.4/14

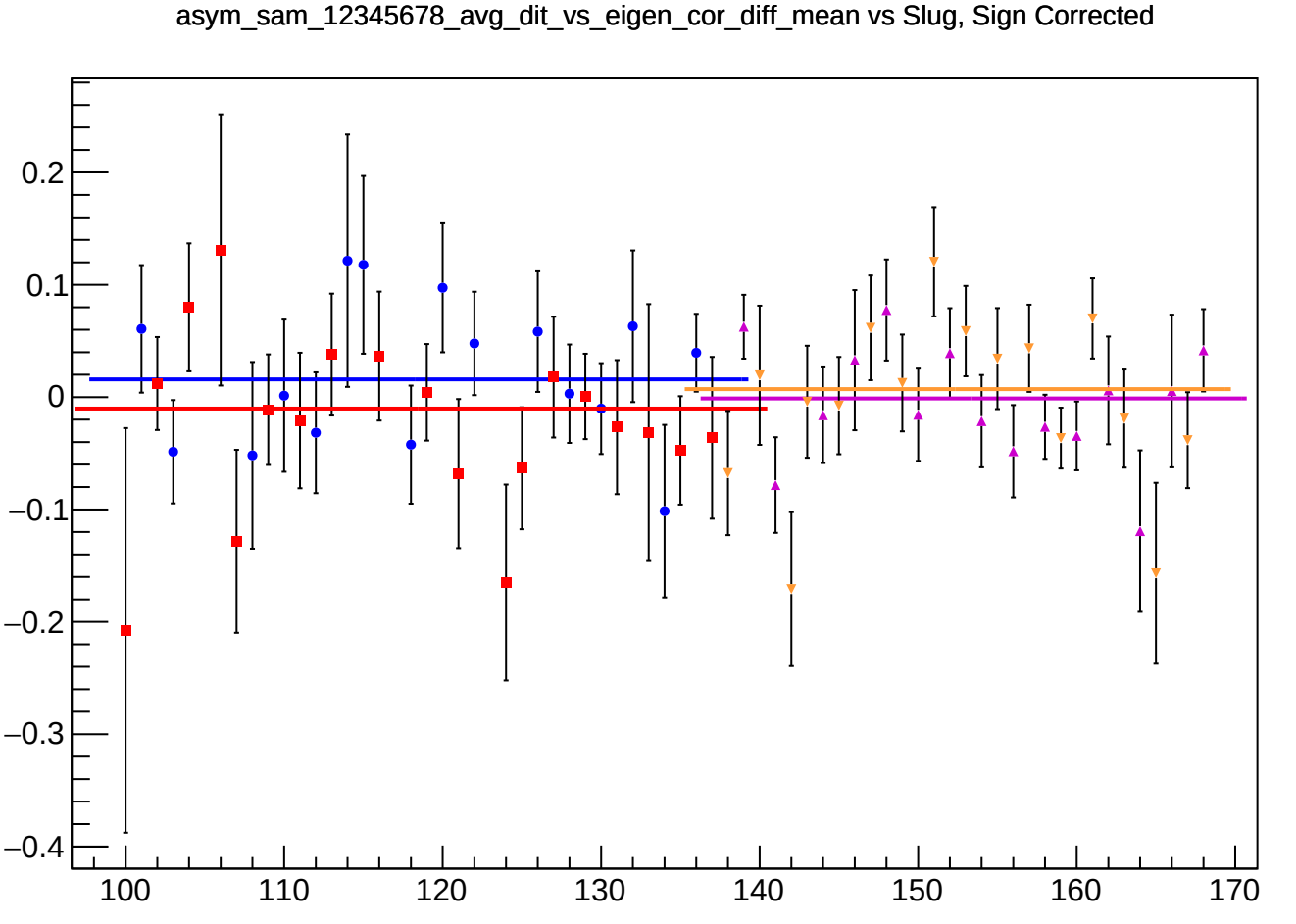
Left: 35.648+/-0.005 χ^2/NDF: 2073321.4/30

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.379+/-0.006 χ^2/NDF:1414223.6/30

Out: 35.844+/-0.006 χ^2/NDF:1667640.5/34

All: 35.088+/-0.004 χ^2/NDF: 3112965.5/65



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/14

Left: 0.003+/-0.008 χ^2/NDF: 50.7/30

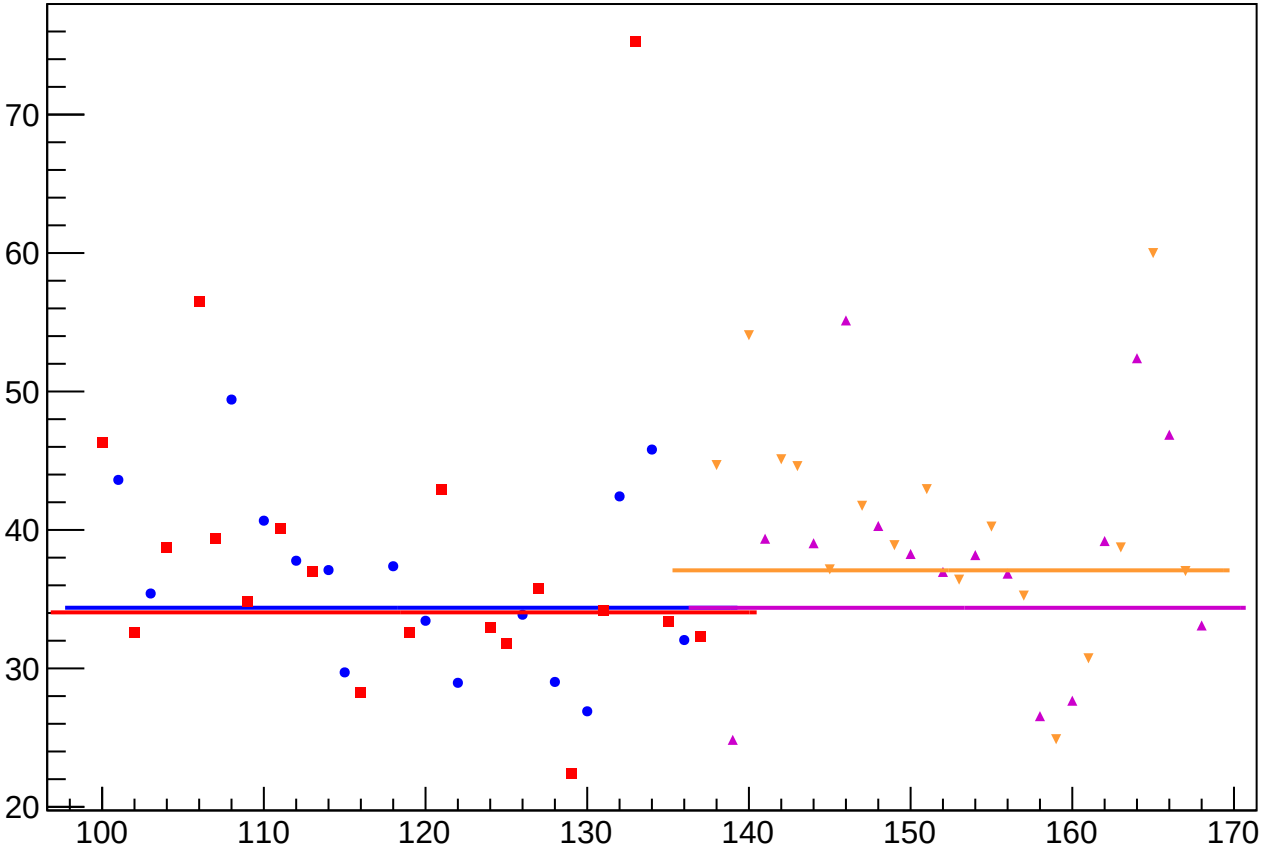
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/30

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.003+/-0.006 χ^2/NDF: 82.5/65

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.083+/-0.008 χ^2/NDF:962423.4/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.377+/-0.007 χ^2/NDF:1046340.4/14

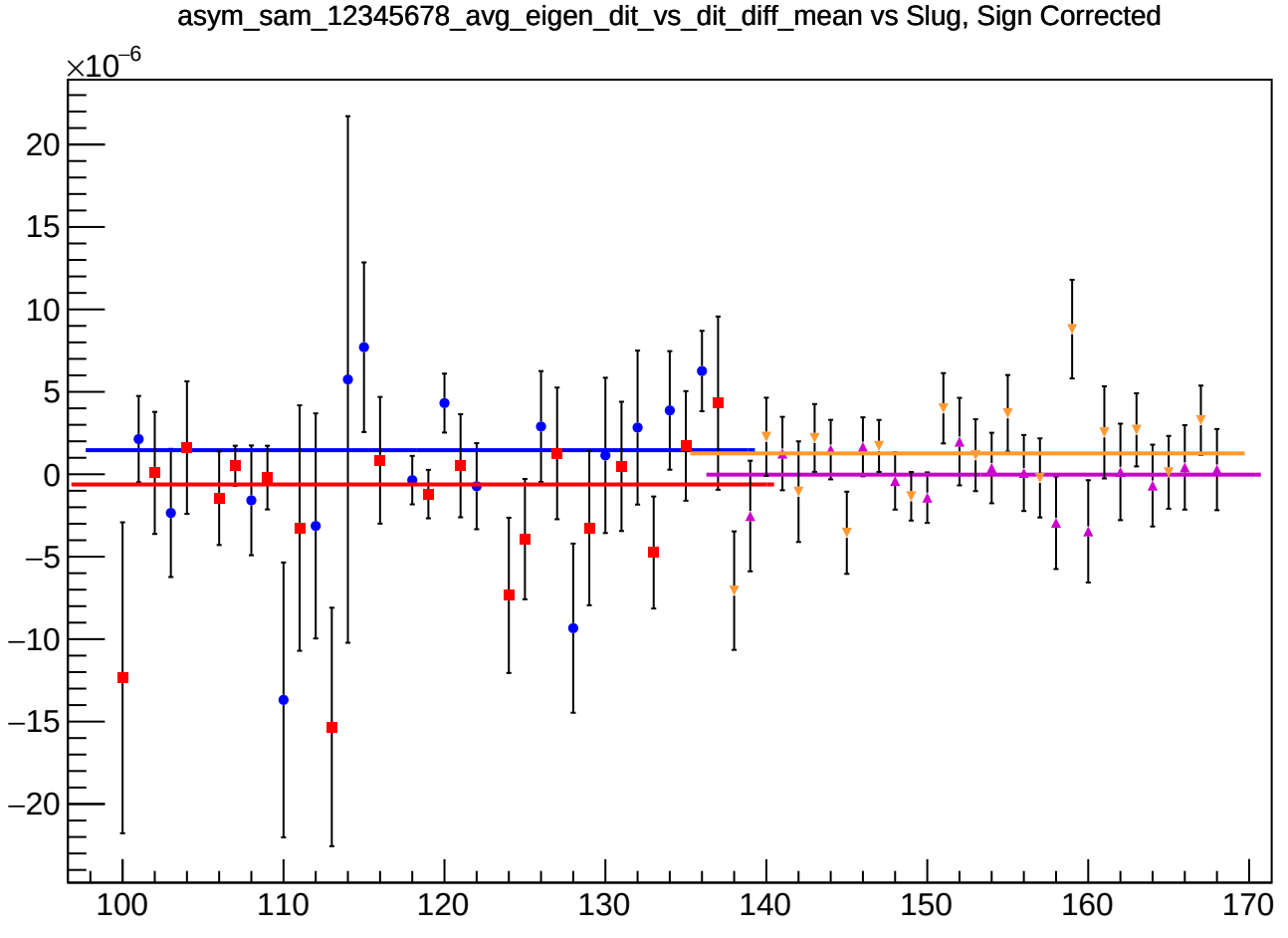
Left: 35.648+/-0.005 χ^2/NDF: 2073321.4/30

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.379+/-0.006 χ^2/NDF:1414223.6/30

Out: 35.844+/-0.006 χ^2/NDF:1667640.5/34

All: 35.088+/-0.004 χ^2/NDF: 3112965.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/14

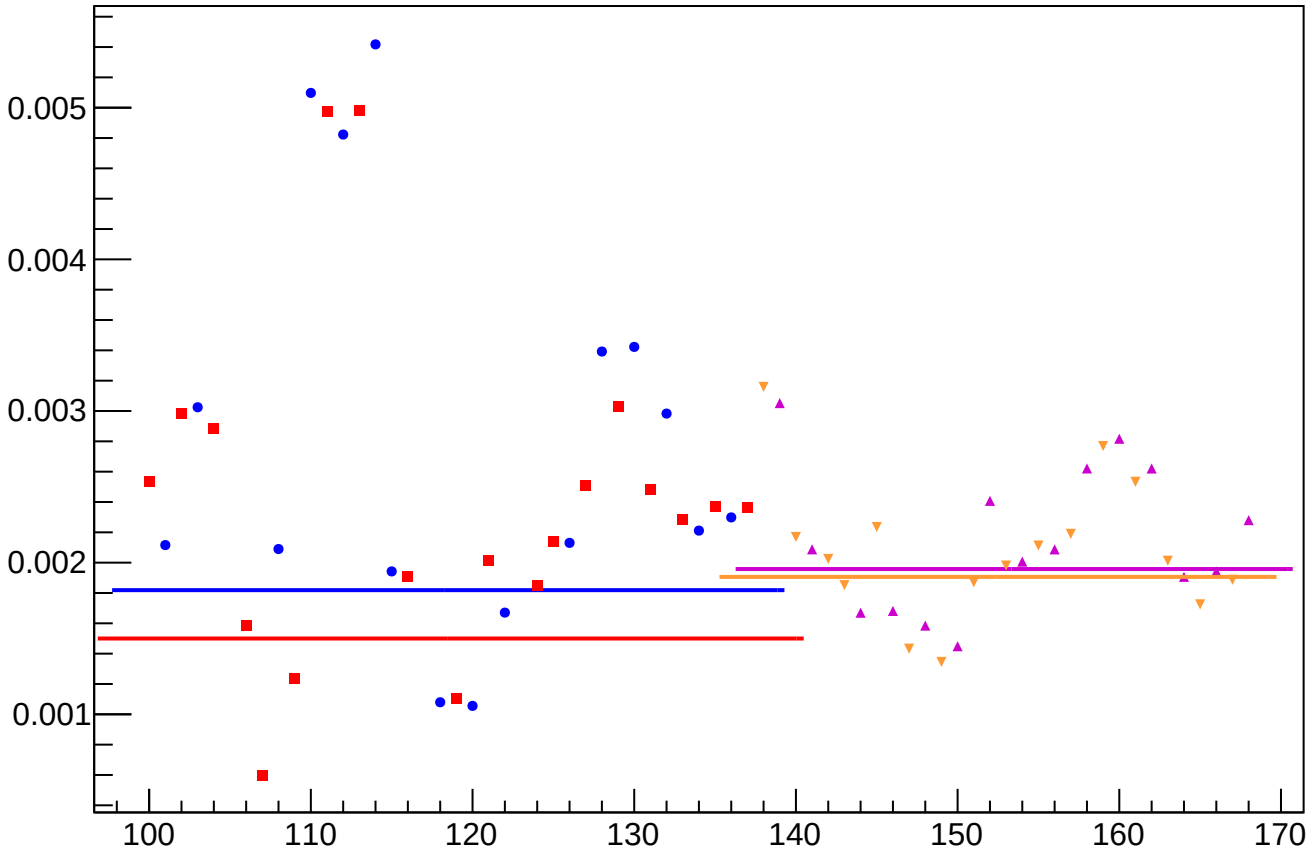
Left: 0.000+/-0.000 χ^2/NDF: 33.6/30

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.8/30

Out: 0.000+/-0.000 χ^2/NDF:43.4/34

All: 0.000+/-0.000 χ^2/NDF: 73.2/65



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108931.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1099390.8/14

Left: 0.002+/-0.000 χ^2/NDF: 2216848.2/30

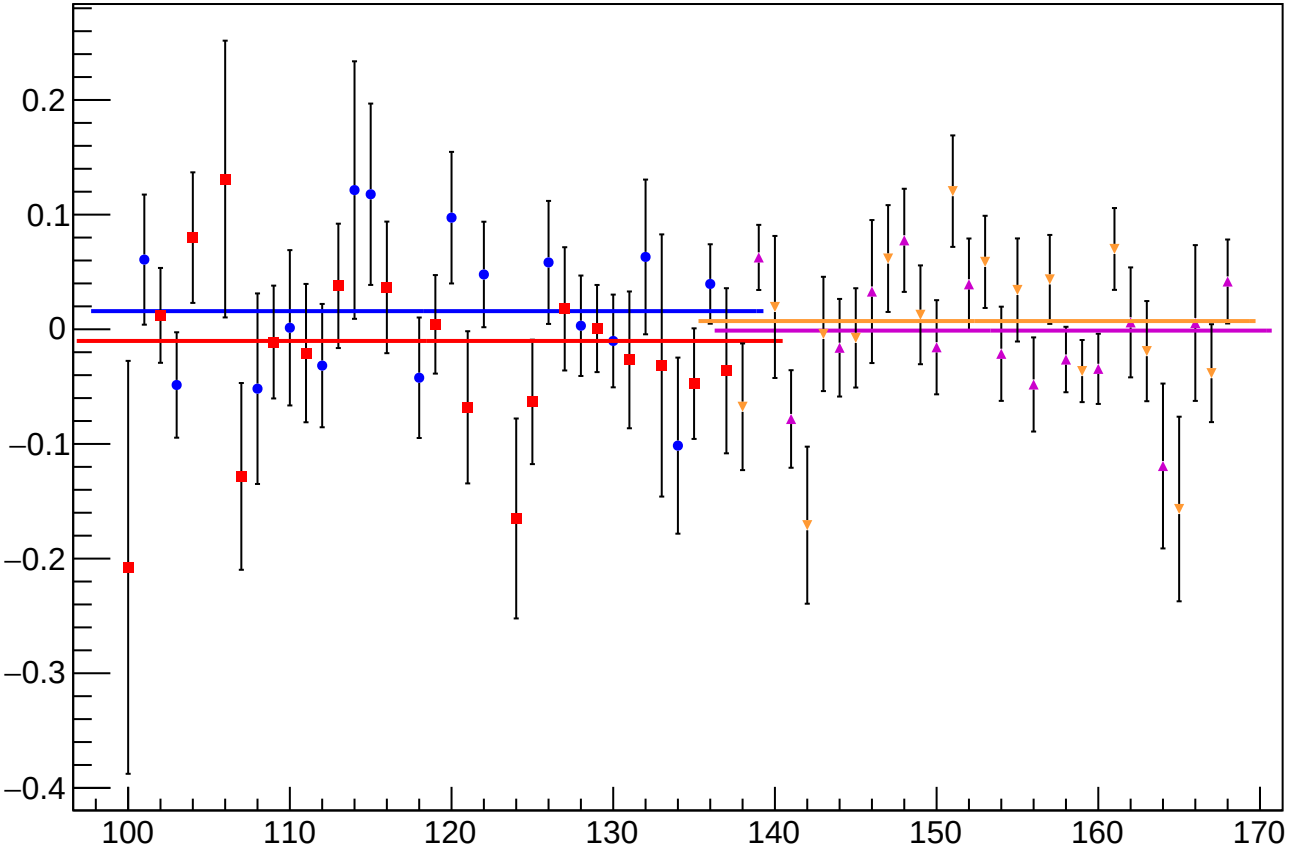
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3713019.3/30

Out: 0.002+/-0.000 χ^2/NDF:5255643.4/34

All: 0.002+/-0.000 χ^2/NDF: 9122780.5/65

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: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/14

Left: 0.003+/-0.008 χ^2/NDF: 50.7/30

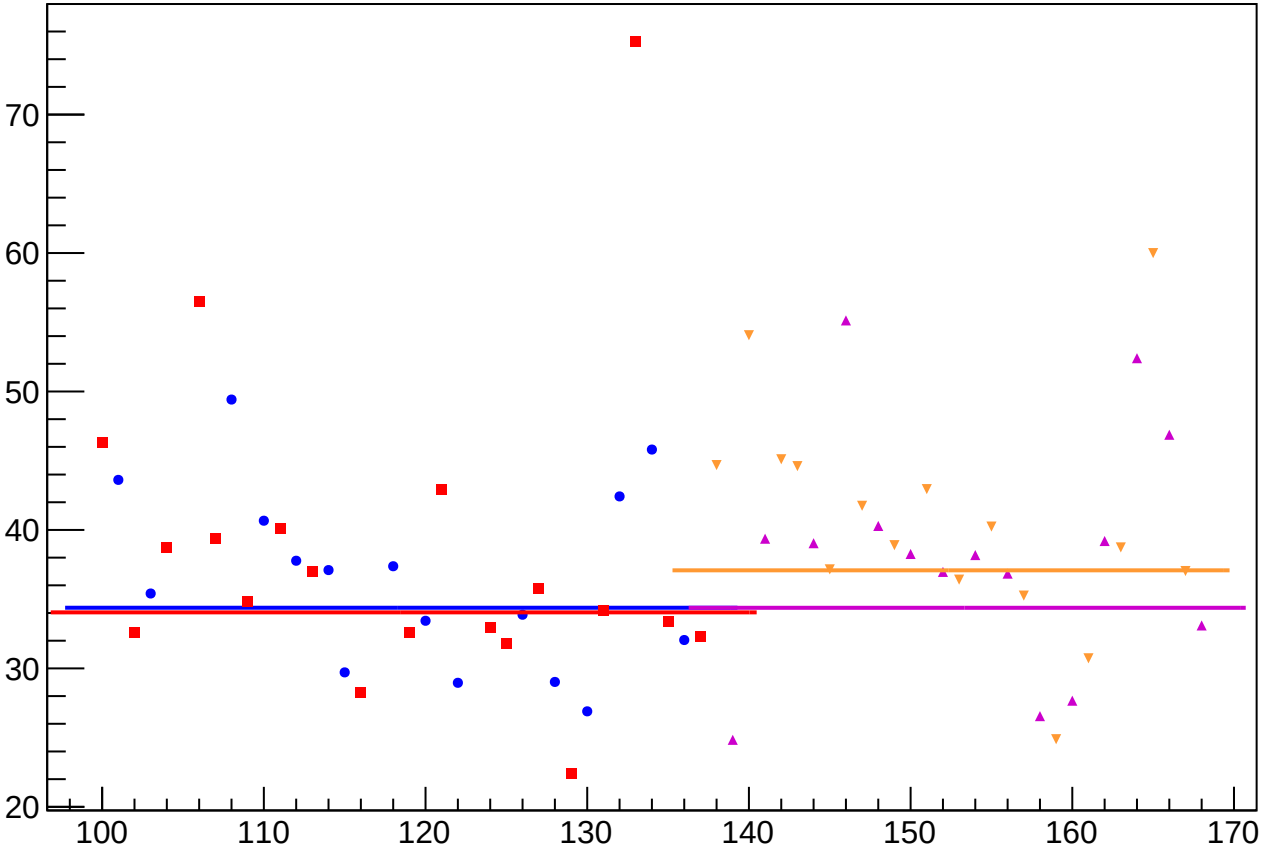
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/30

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.003+/-0.006 χ^2/NDF: 82.5/65

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: 37.083+/-0.008 χ^2/NDF:962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.377+/-0.007 χ^2/NDF:1046415.7/14

Left: 35.648+/-0.005 χ^2/NDF: 2073459.2/30

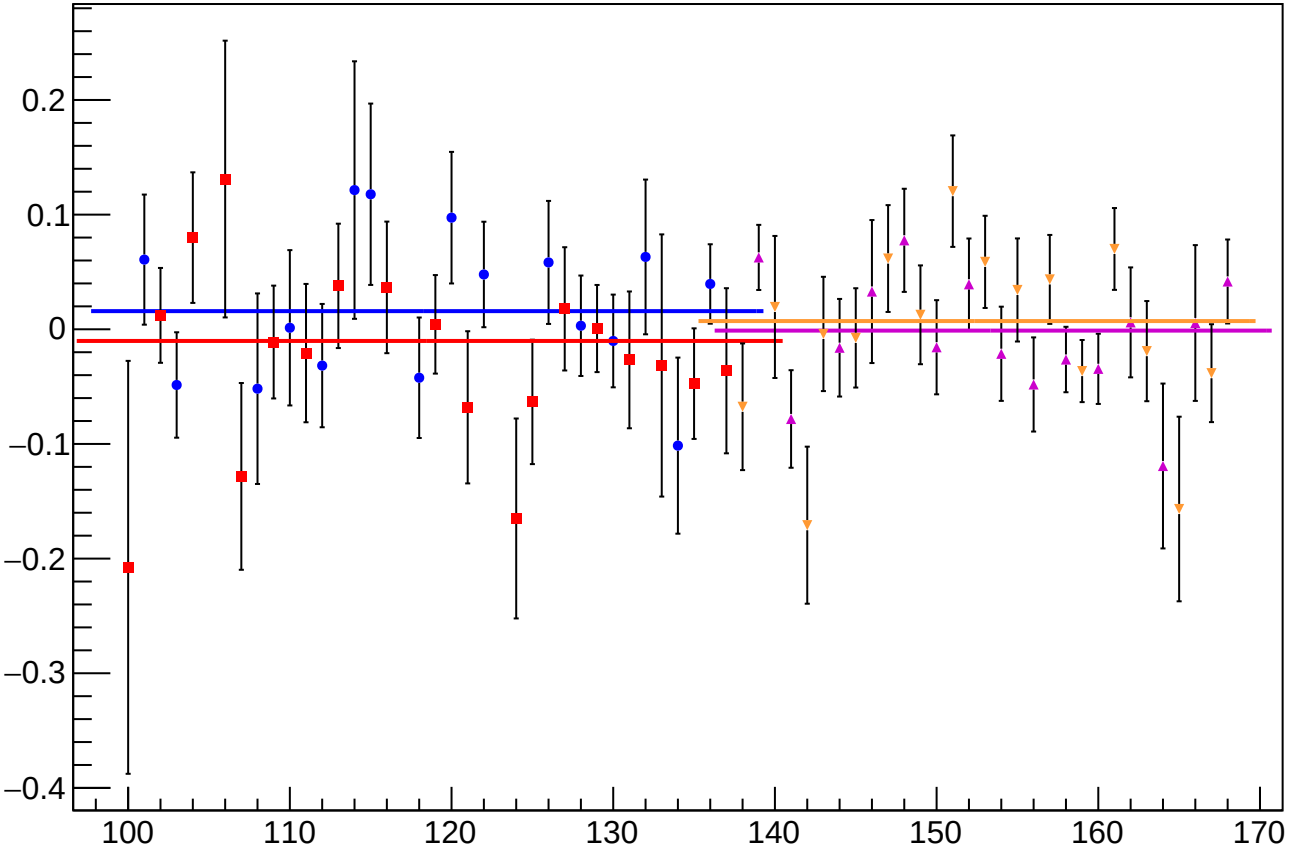
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.379+/-0.006 χ^2/NDF:1414355.9/30

Out: 35.844+/-0.006 χ^2/NDF:1667780.6/34

All: 35.088+/-0.004 χ^2/NDF: 3113238.7/65

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: 0.007+/-0.011 χ^2/NDF:29.8/15

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/14

Left: 0.003+/-0.008 χ^2/NDF: 50.7/30

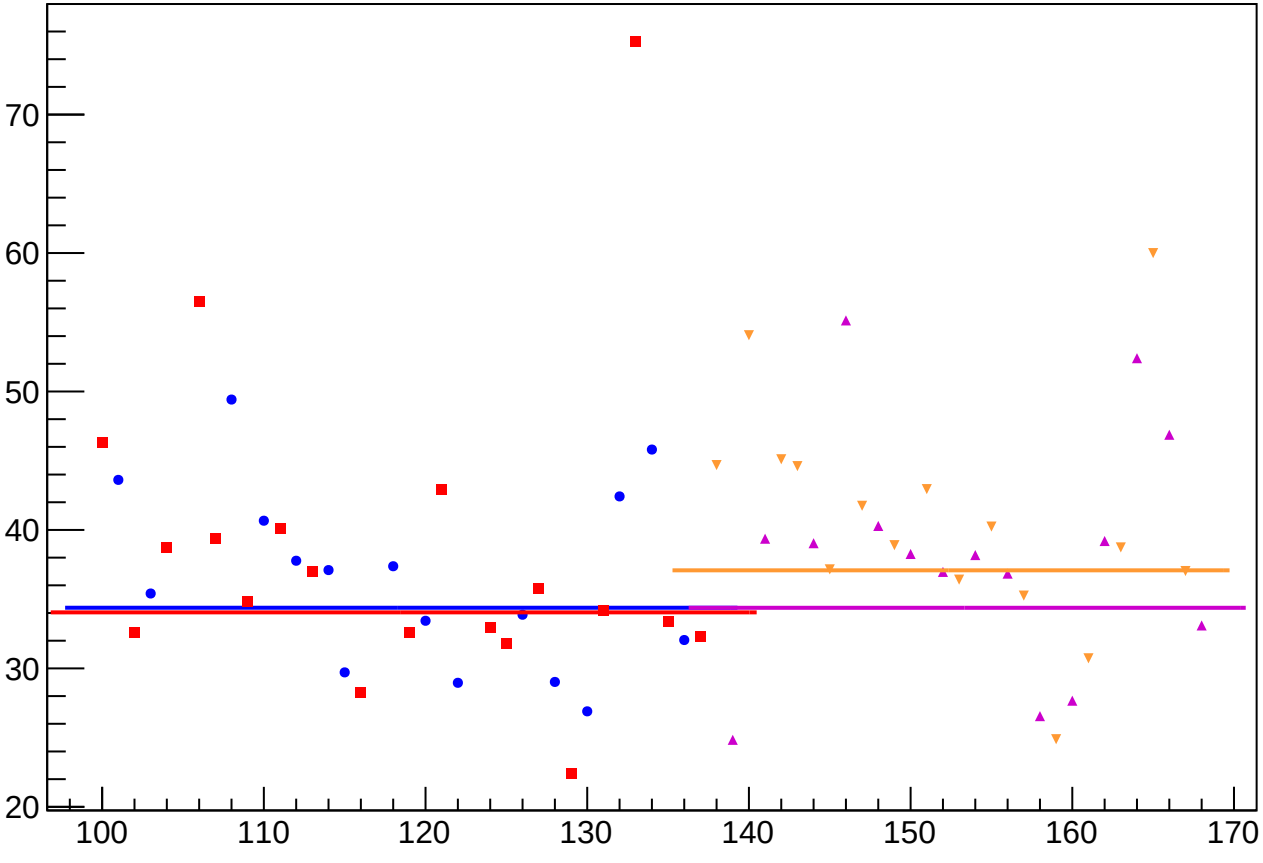
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/30

Out: 0.000+/-0.008 χ^2/NDF:46.0/34

All: 0.003+/-0.006 χ^2/NDF: 82.5/65

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.083+/-0.008 χ^2/NDF:962488.0/15

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.377+/-0.007 χ^2/NDF:1046415.7/14

Left: 35.648+/-0.005 χ^2/NDF: 2073459.2/30

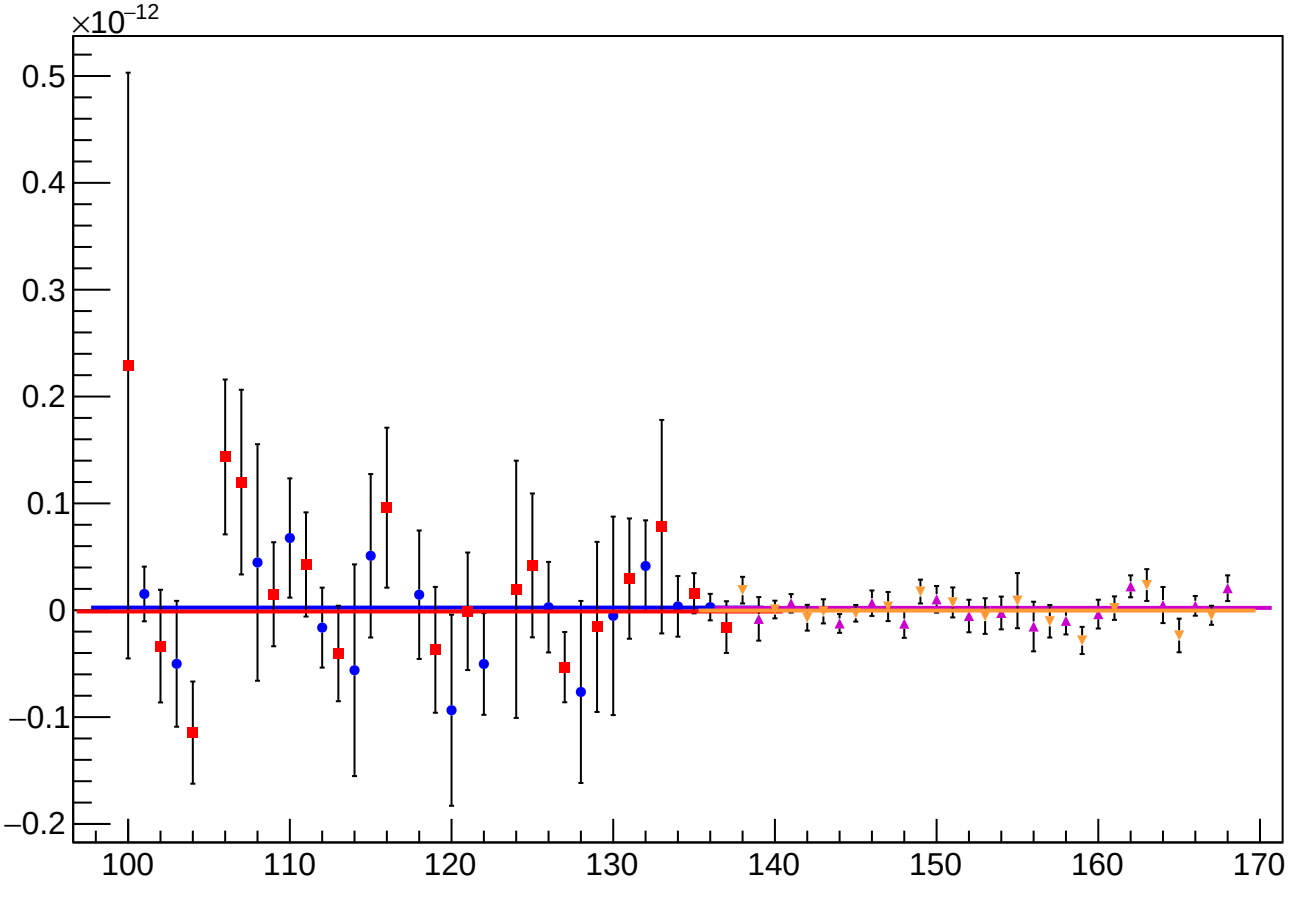
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.379+/-0.006 χ^2/NDF:1414355.9/30

Out: 35.844+/-0.006 χ^2/NDF:1667780.6/34

All: 35.088+/-0.004 χ^2/NDF: 3113238.7/65

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:16.3/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/14

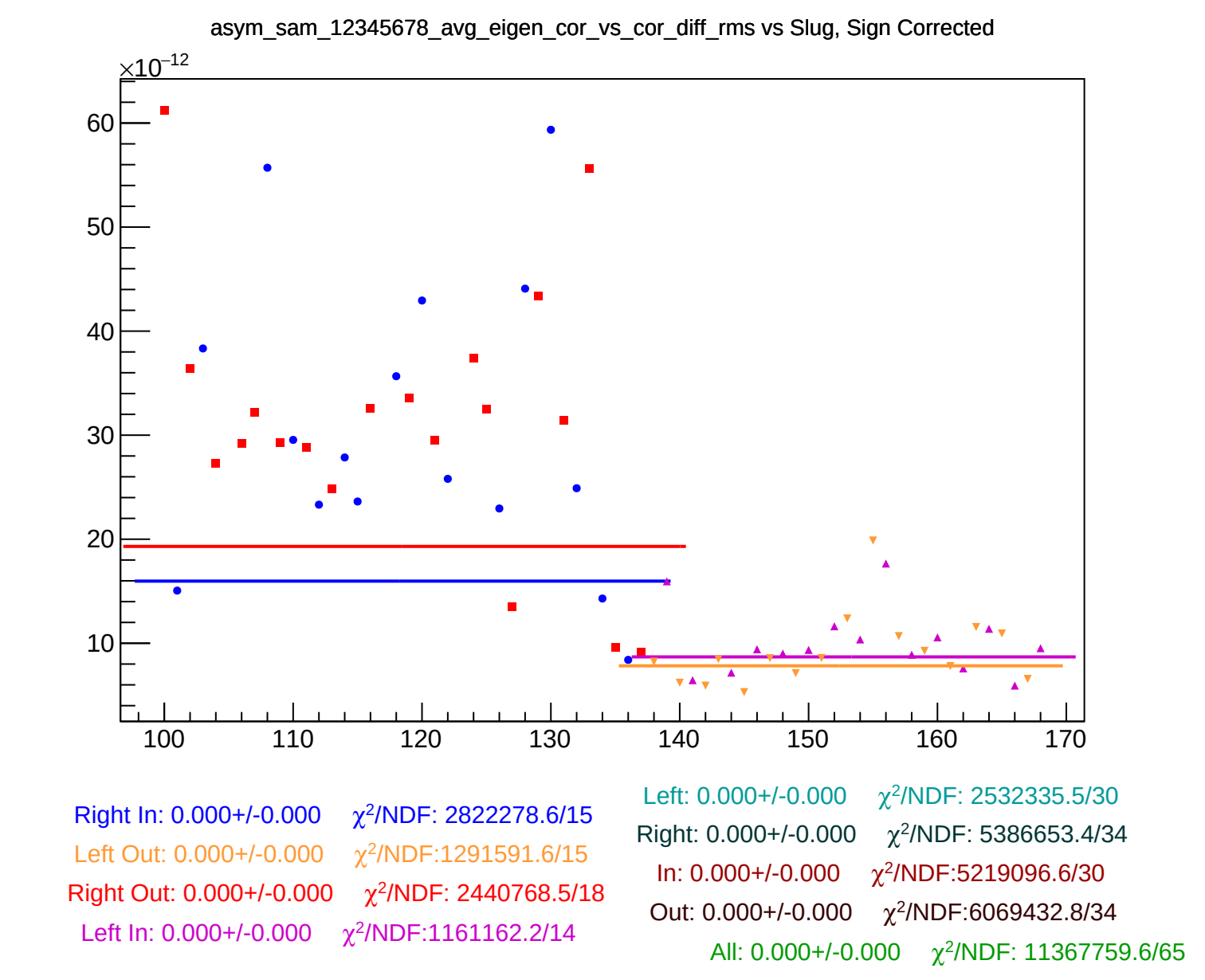
Left: 0.000+/-0.000 χ^2/NDF: 29.9/30

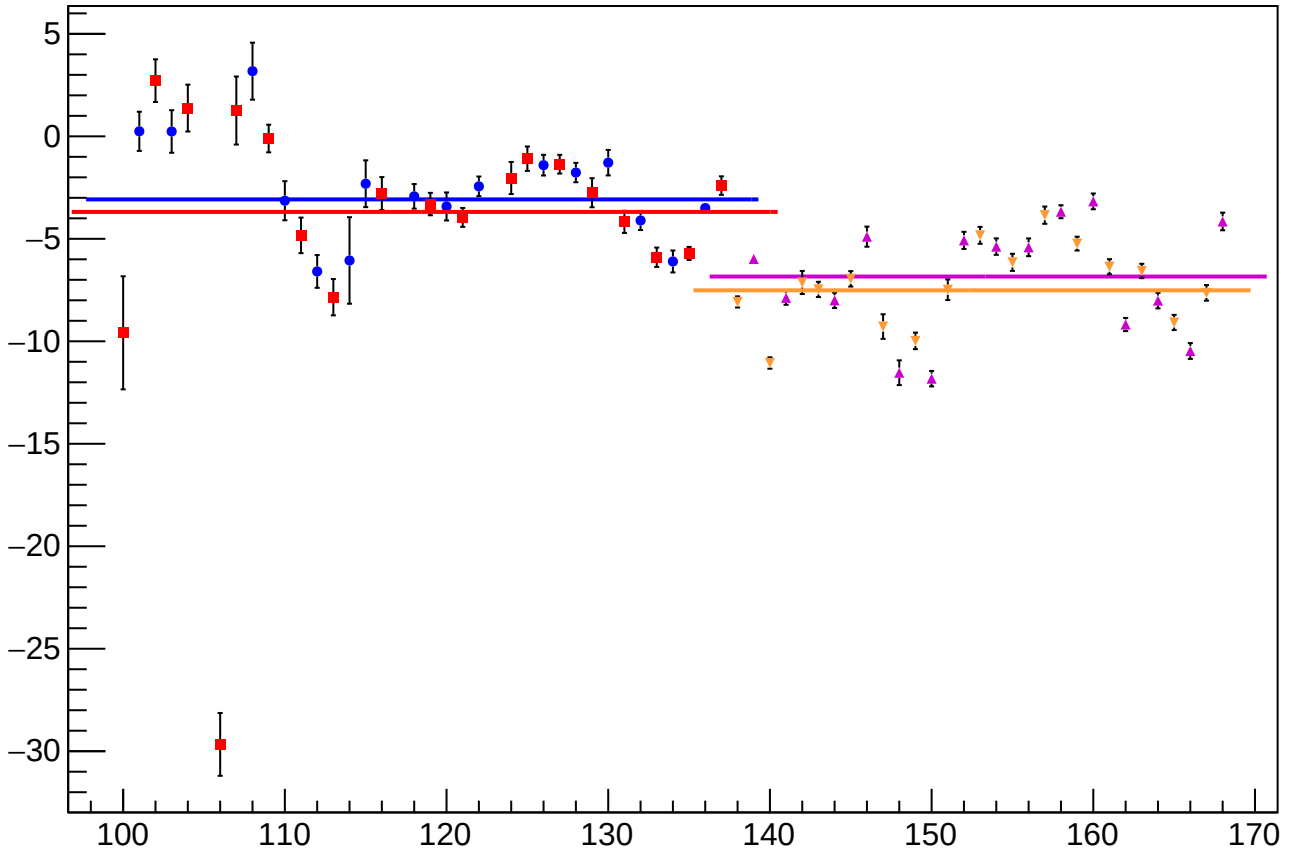
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:21.0/30

Out: -0.000+/-0.000 χ^2/NDF:37.8/34

All: 0.000+/-0.000 χ^2/NDF: 59.2/65


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1291591.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1161162.2/14
Left: 0.000+/-0.000 χ²/NDF: 2532335.5/30
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5219096.6/30
Out: 0.000+/-0.000 χ²/NDF:6069432.8/34
All: 0.000+/-0.000 χ²/NDF: 11367759.6/65



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.512+/-0.094 χ^2/NDF:425.7/15

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.840+/-0.095 χ^2/NDF:705.7/14

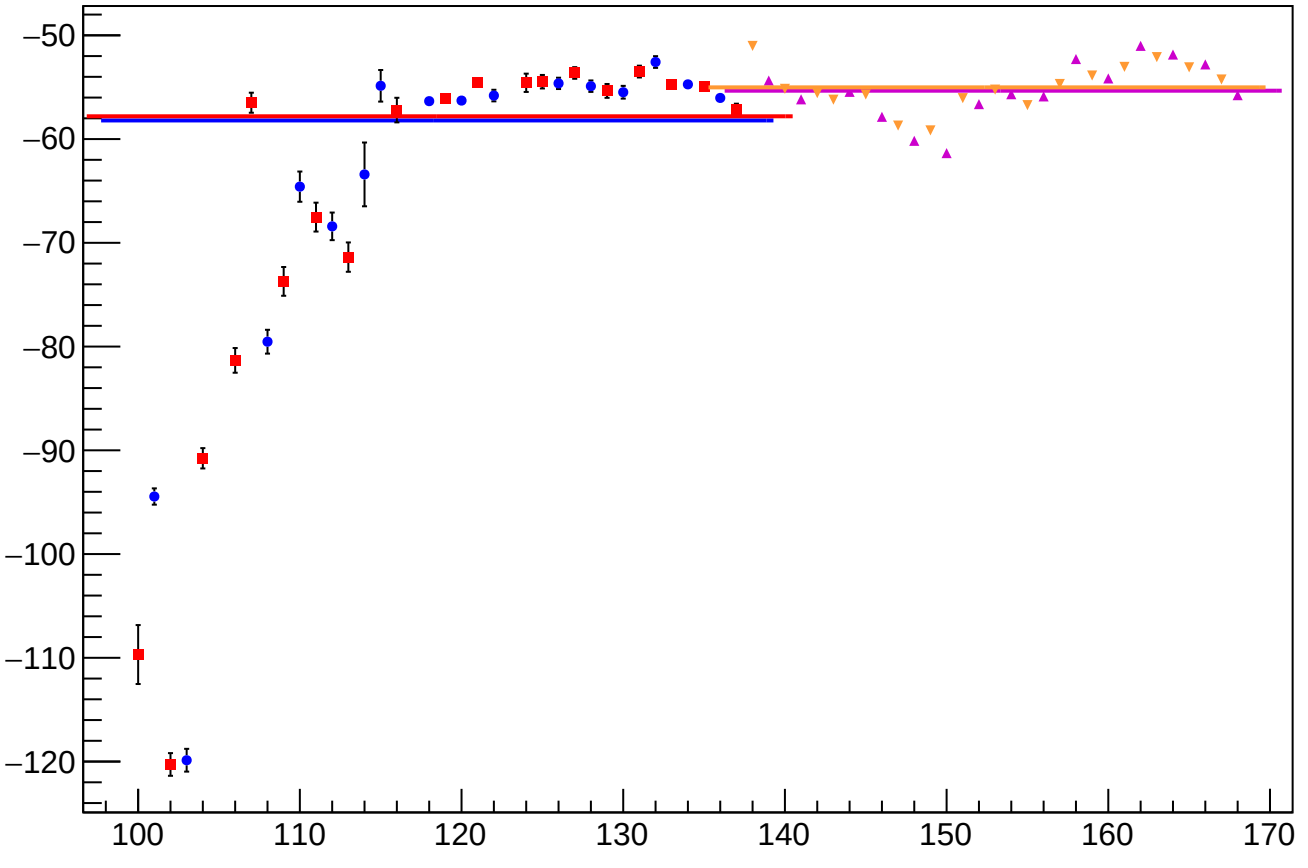
Left: -7.180+/-0.067 χ^2/NDF: 1156.5/30

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.589+/-0.078 χ^2/NDF:1356.5/30

Out: -6.321+/-0.078 χ^2/NDF:1473.1/34

All: -5.954+/-0.055 χ^2/NDF: 2873.5/65



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.016+/-0.070 χ^2/NDF:933.1/15

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.337+/-0.072 χ^2/NDF:1656.6/14

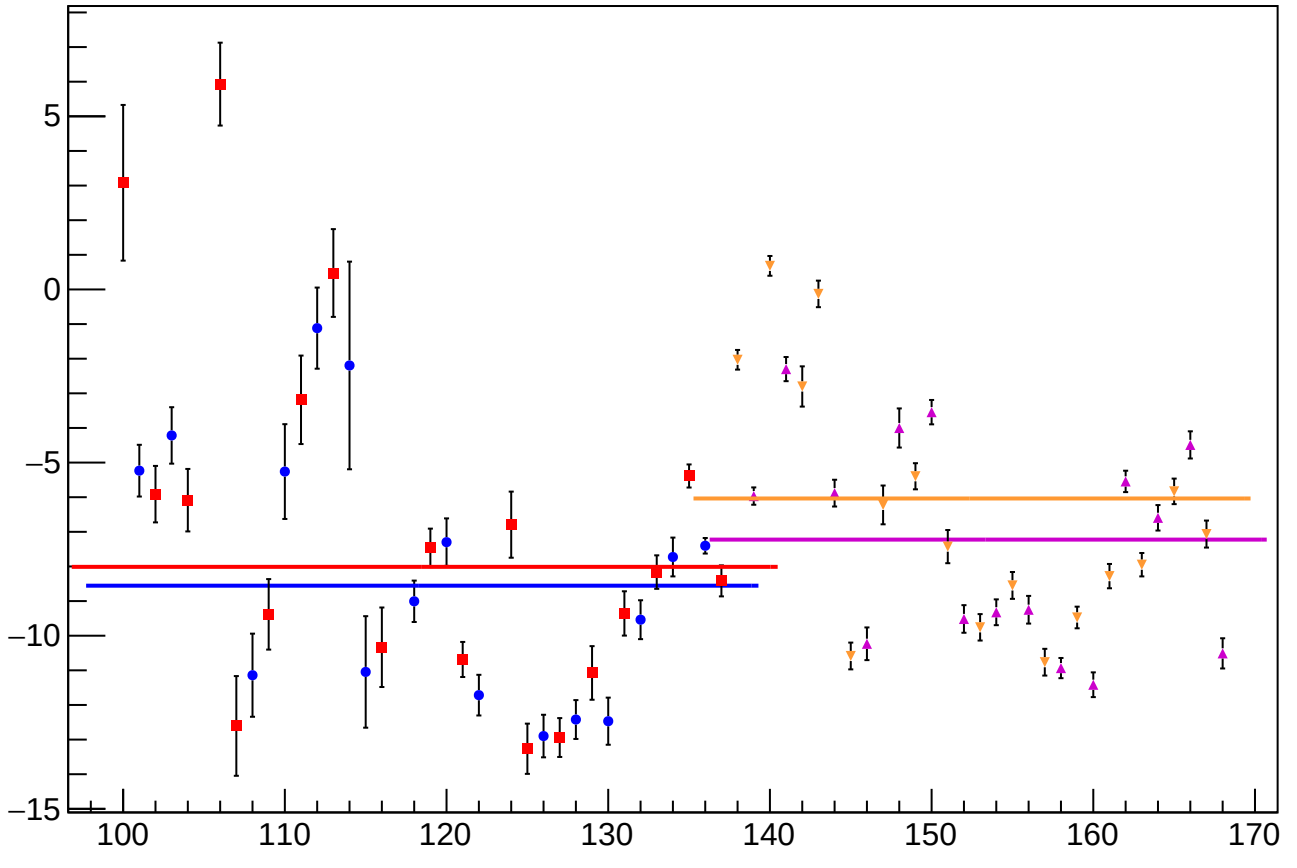
Left: -55.170+/-0.050 χ^2/NDF: 2599.9/30

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.973+/-0.064 χ^2/NDF:8131.6/30

Out: -55.578+/-0.062 χ^2/NDF:7049.4/34

All: -55.770+/-0.045 χ^2/NDF: 15200.7/65



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.037+/-0.092 χ^2/NDF:1658.4/15

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.225+/-0.093 χ^2/NDF:946.5/14

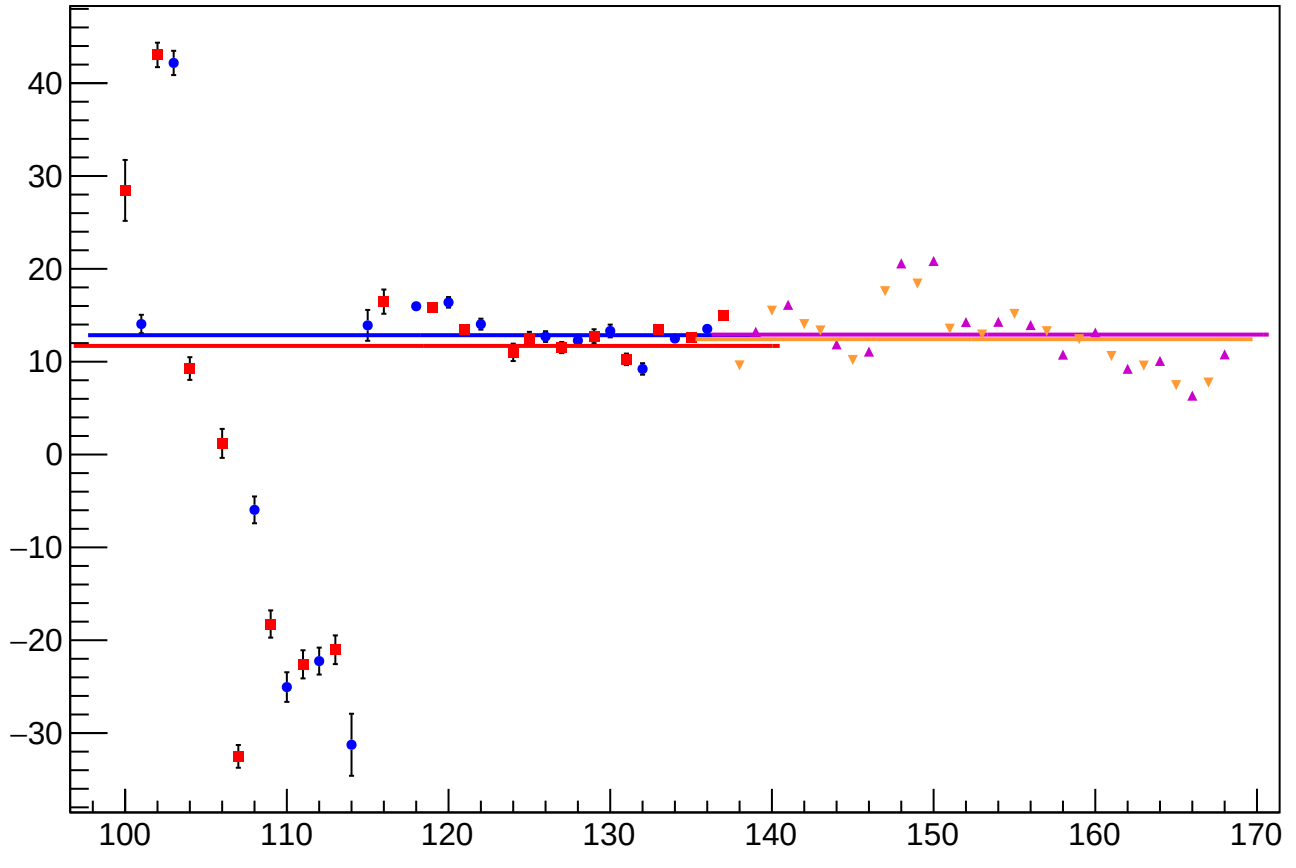
Left: -6.627+/-0.066 χ^2/NDF: 2686.9/30

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.614+/-0.078 χ^2/NDF:1307.1/30

Out: -6.566+/-0.079 χ^2/NDF:2269.8/34

All: -7.095+/-0.056 χ^2/NDF: 3665.6/65



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.422+/-0.079 χ^2/NDF:1489.9/15

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 12.918+/-0.081 χ^2/NDF:2044.7/14

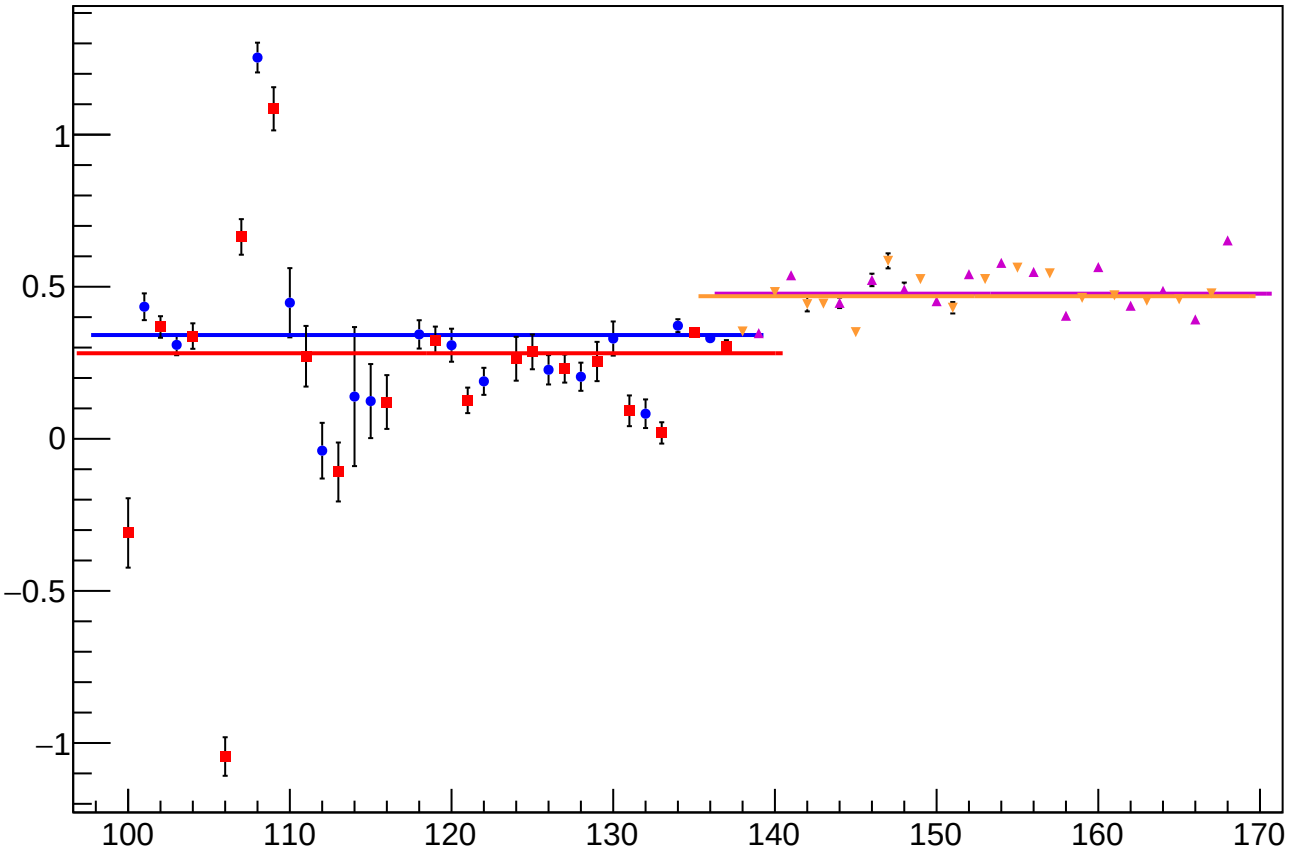
Left: 12.663+/-0.057 χ^2/NDF: 3553.7/30

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.903+/-0.071 χ^2/NDF:4173.2/30

Out: 12.274+/-0.070 χ^2/NDF:5005.9/34

All: 12.583+/-0.050 χ^2/NDF: 9218.6/65



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.003 χ^2/NDF:324.3/15

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.477+/-0.003 χ^2/NDF:634.4/14

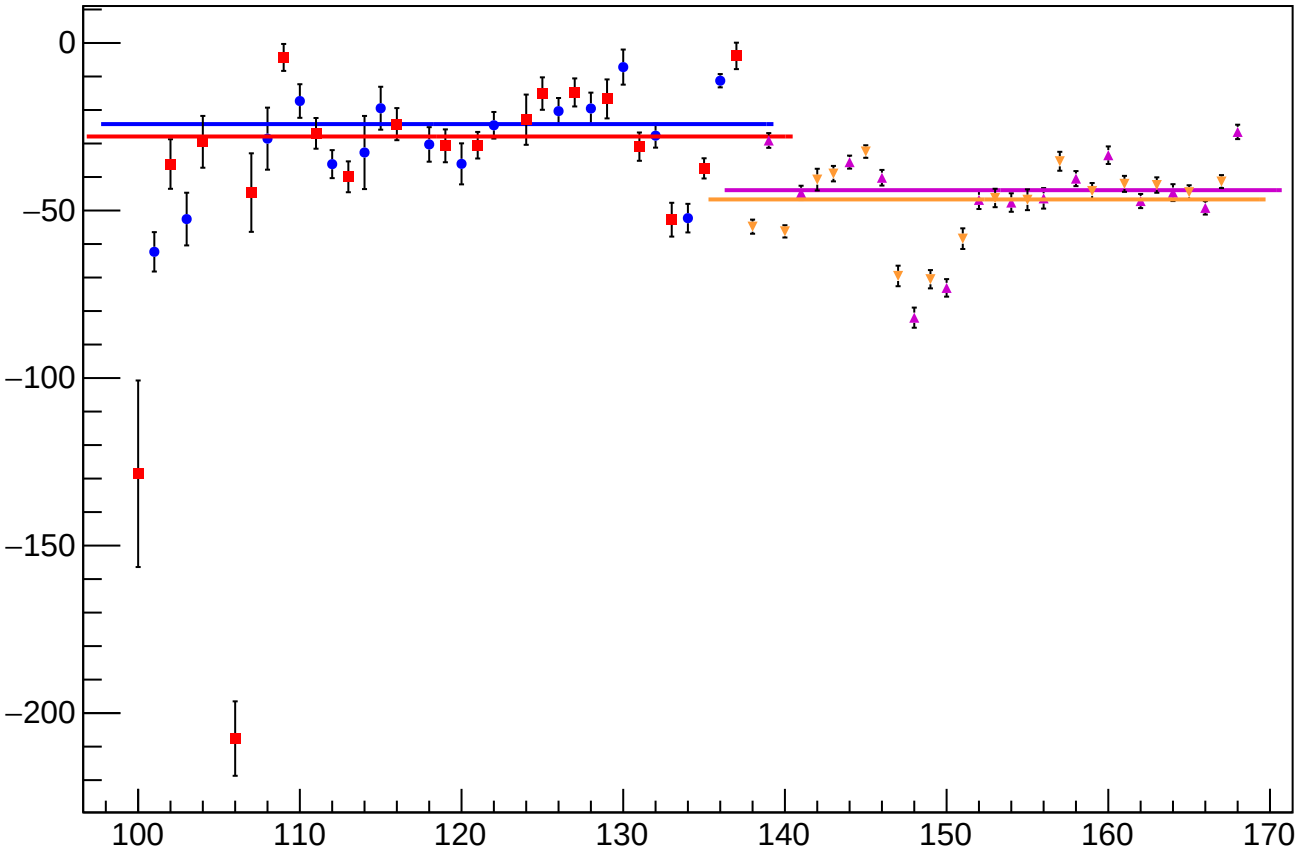
Left: 0.473+/-0.002 χ^2/NDF: 961.6/30

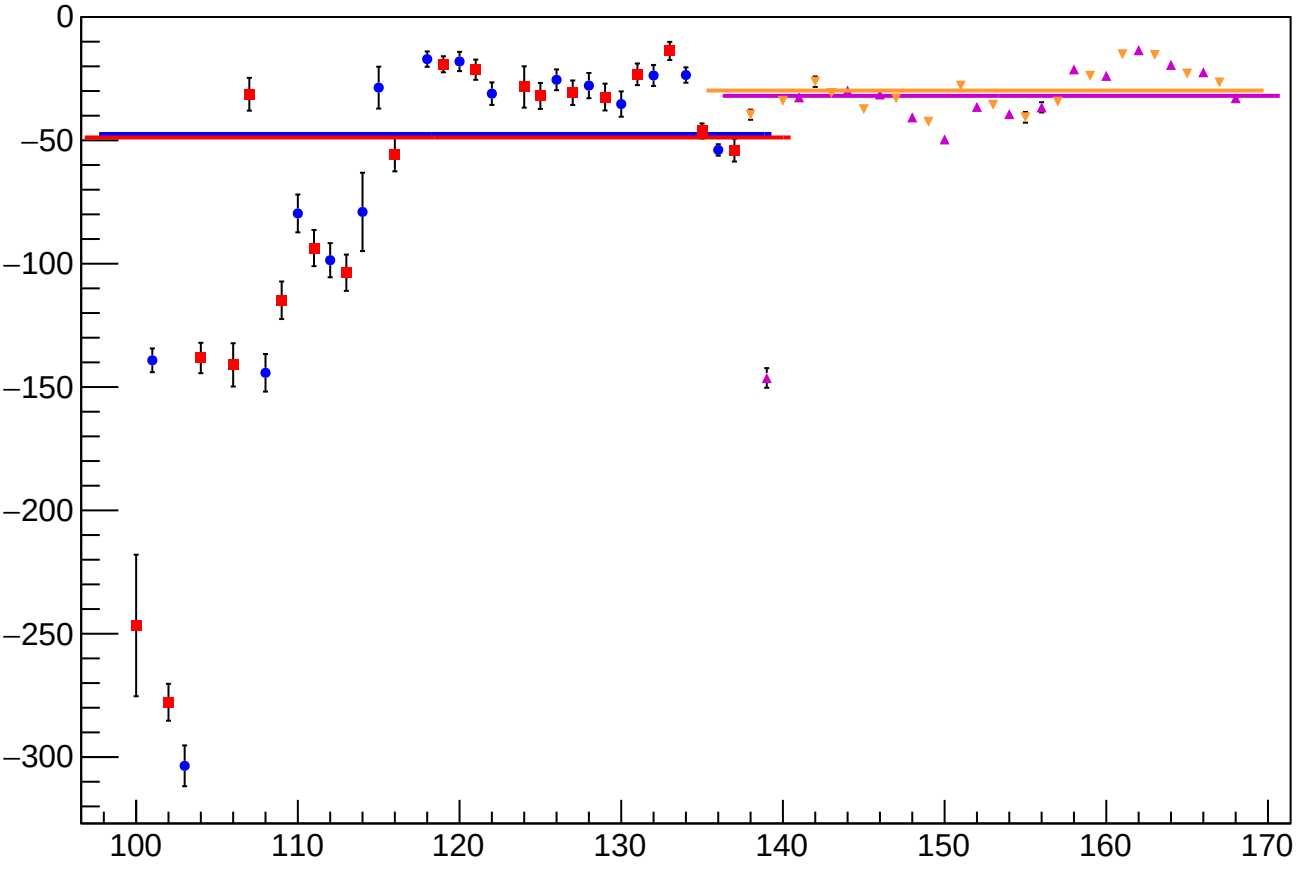
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.455+/-0.003 χ^2/NDF:1319.6/30

Out: 0.442+/-0.003 χ^2/NDF:1521.7/34

All: 0.449+/-0.002 χ^2/NDF: 2850.3/65


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -24.205+/-1.086 χ²/NDF: 170.7/15
Left Out: -46.690+/-0.594 χ²/NDF:293.7/15
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: -43.925+/-0.610 χ²/NDF:447.3/14
Left: -45.344+/-0.425 χ²/NDF: 751.6/30
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -39.202+/-0.532 χ²/NDF:868.7/30
Out: -42.663+/-0.526 χ²/NDF:921.5/34
All: -40.949+/-0.374 χ²/NDF: 1811.6/65



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.799+/-0.424 χ^2/NDF:355.4/15

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.954+/-0.438 χ^2/NDF:1267.4/14

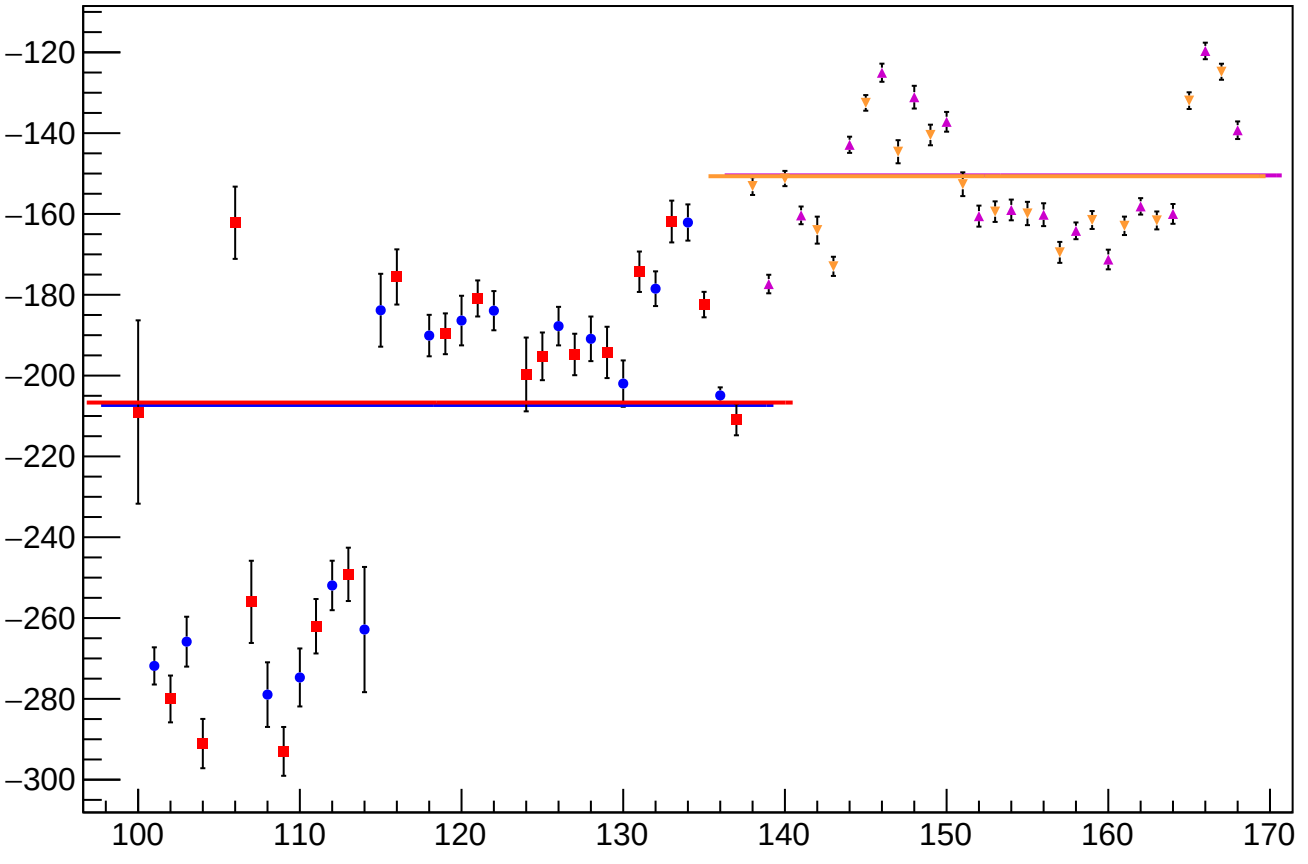
Left: -30.843+/-0.305 χ^2/NDF: 1635.4/30

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -34.064+/-0.407 χ^2/NDF:3311.4/30

Out: -31.968+/-0.399 χ^2/NDF:2359.6/34

All: -32.997+/-0.285 χ^2/NDF: 5684.5/65



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.662+/-0.585 χ^2/NDF:618.9/15

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -150.456+/-0.595 χ^2/NDF:814.4/14

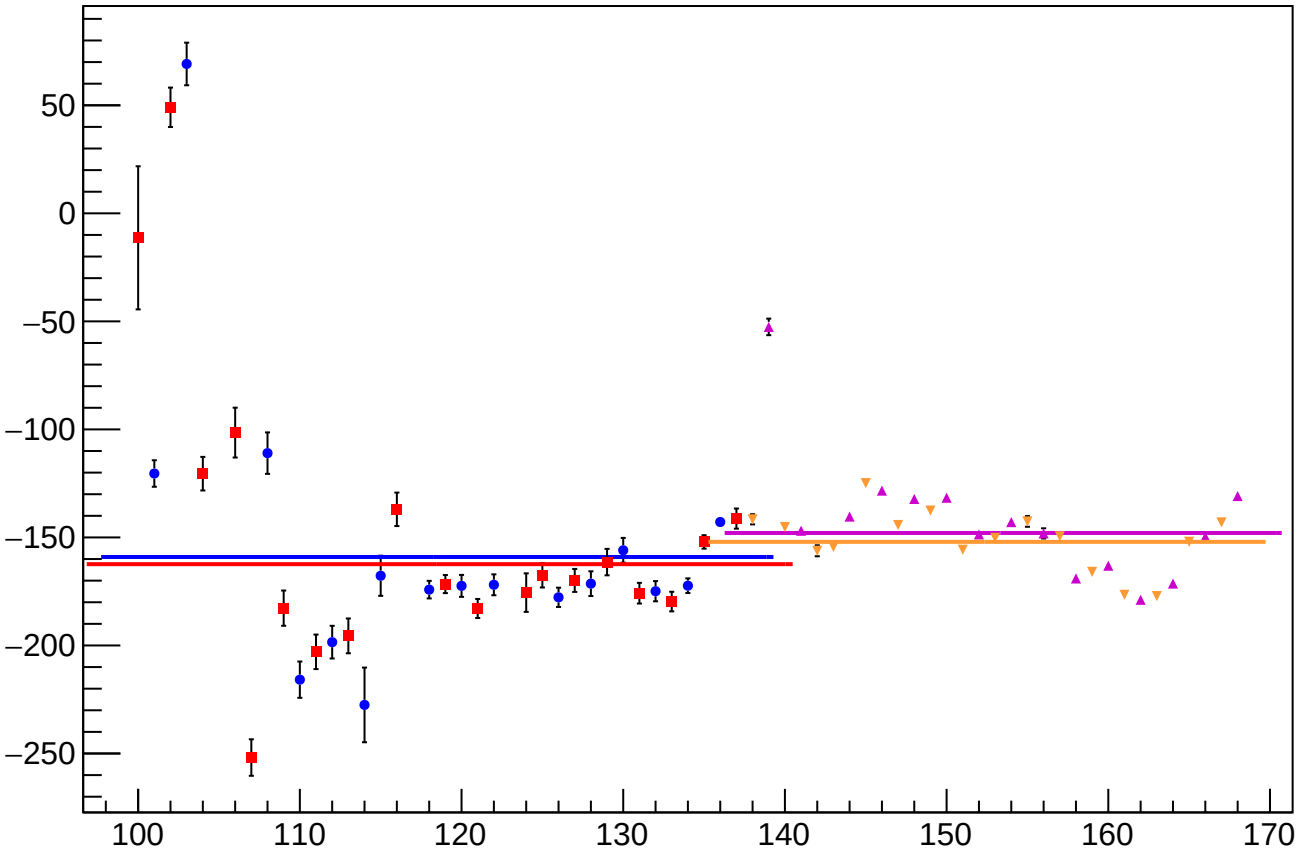
Left: -150.561+/-0.417 χ^2/NDF: 1433.4/30

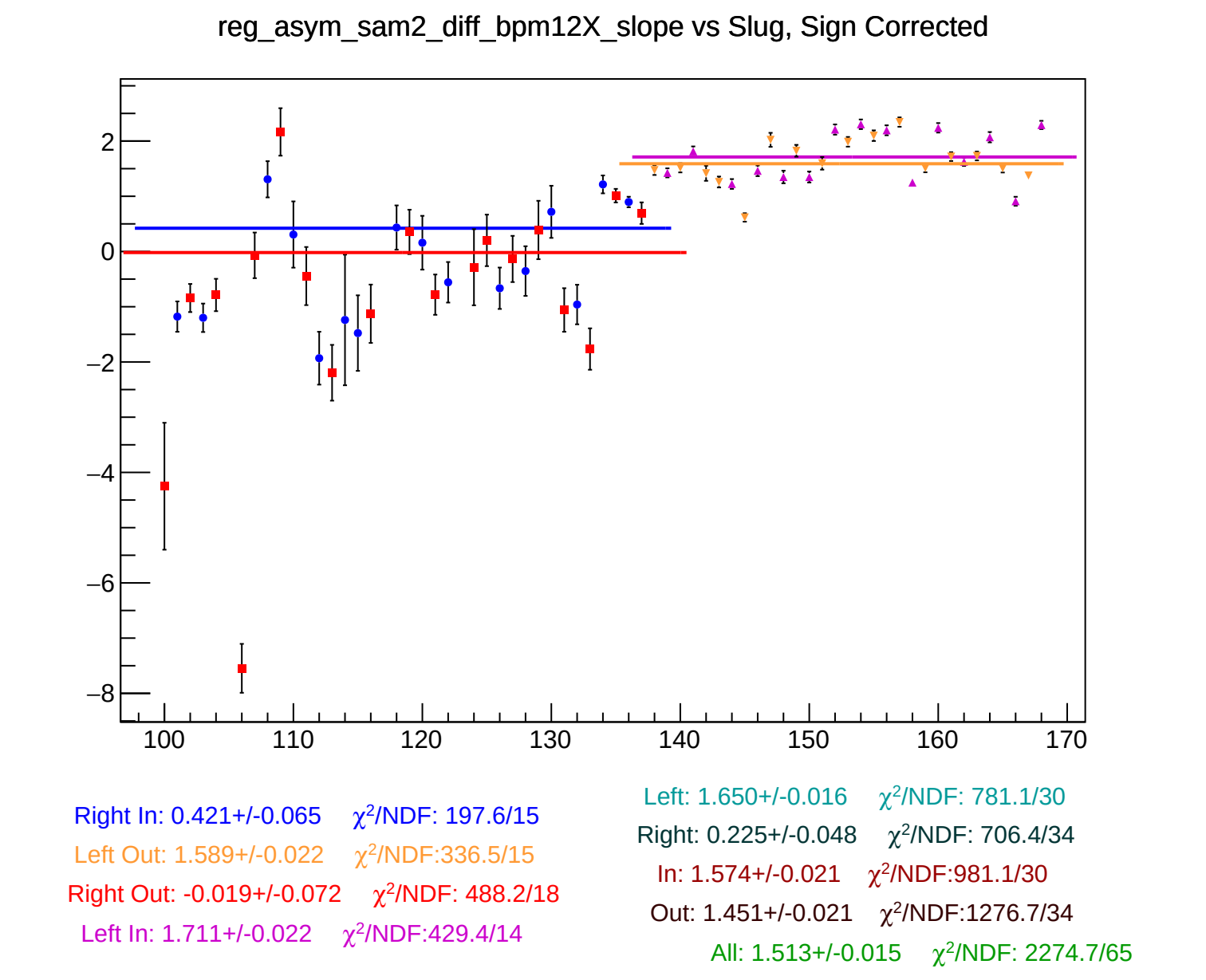
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

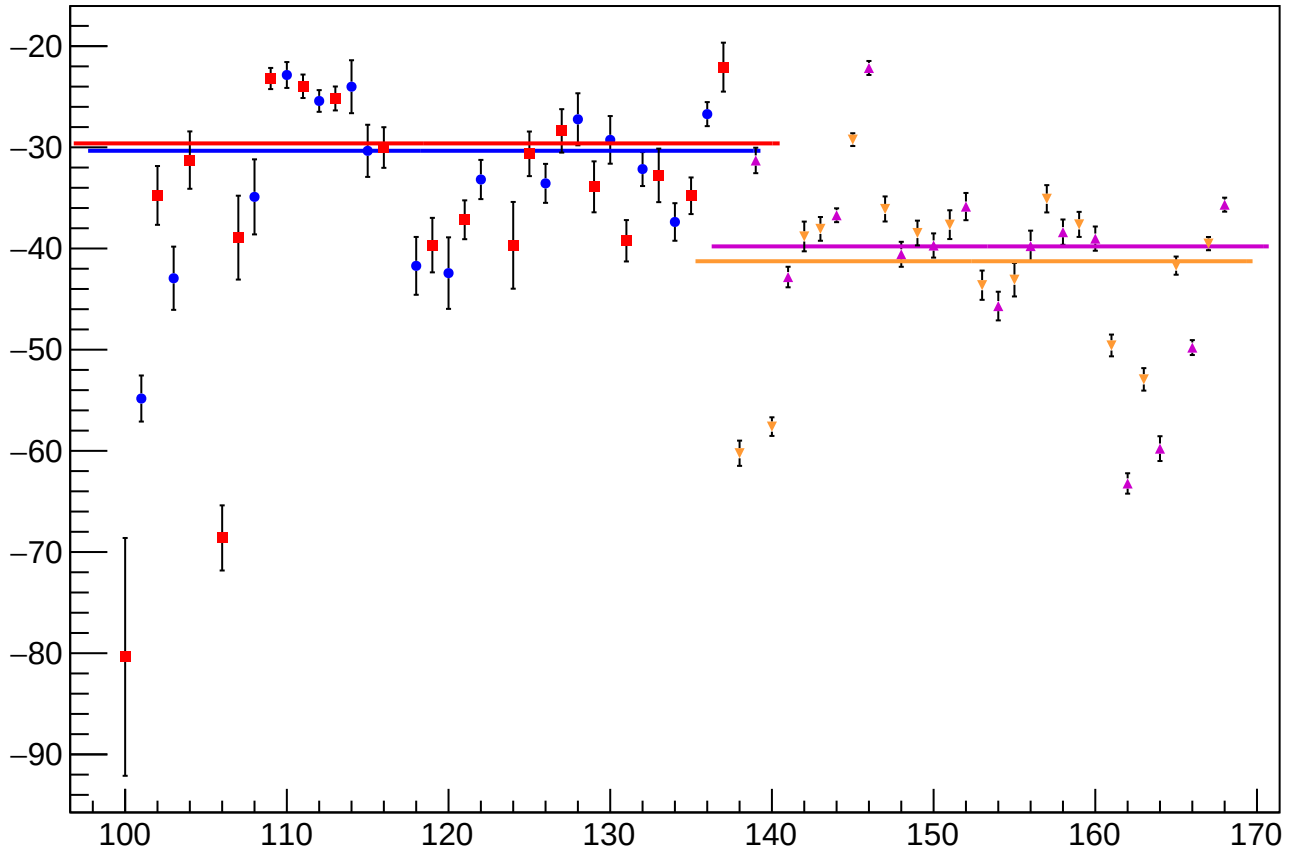
In: -161.997+/-0.531 χ^2/NDF:3415.1/30

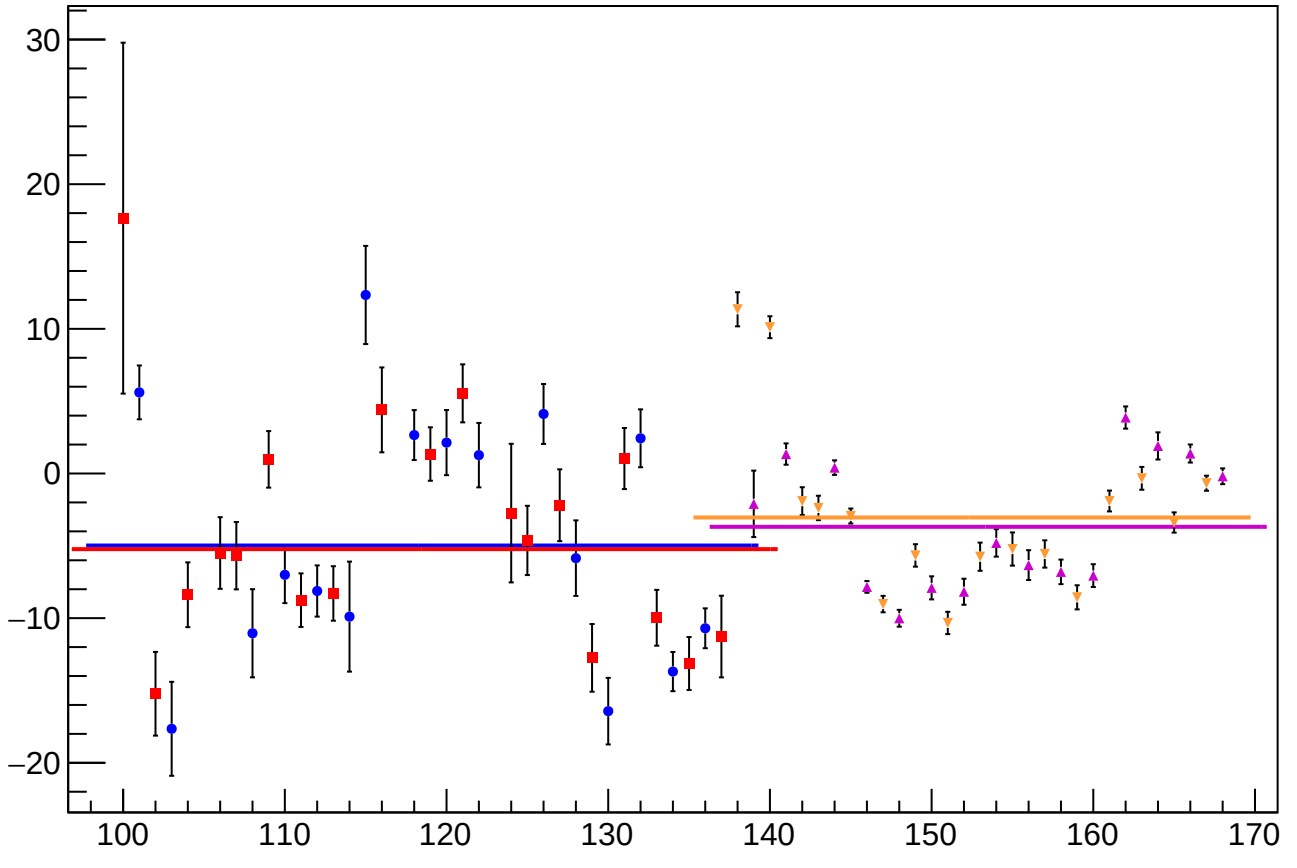
Out: -160.334+/-0.532 χ^2/NDF:3173.9/34

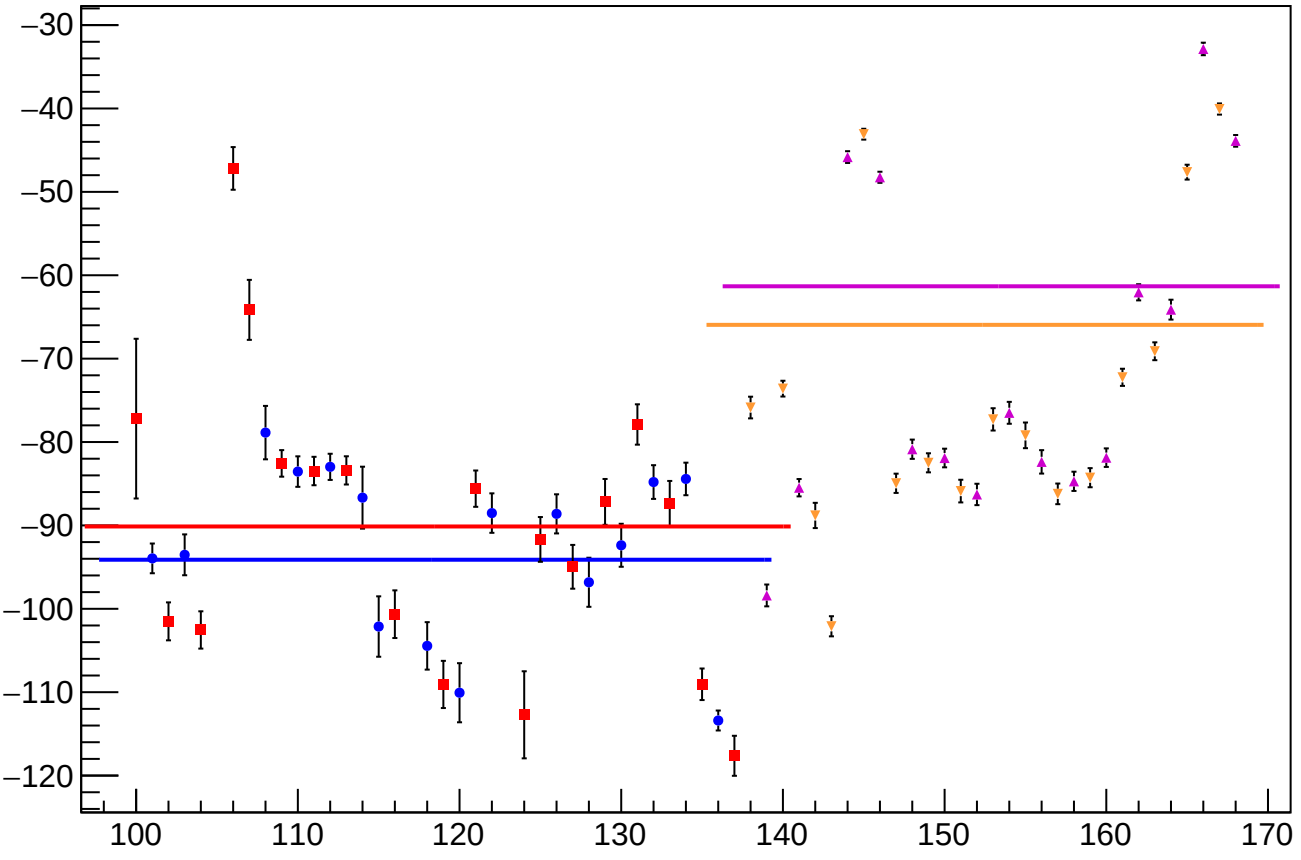
All: -161.166+/-0.376 χ^2/NDF: 6593.9/65

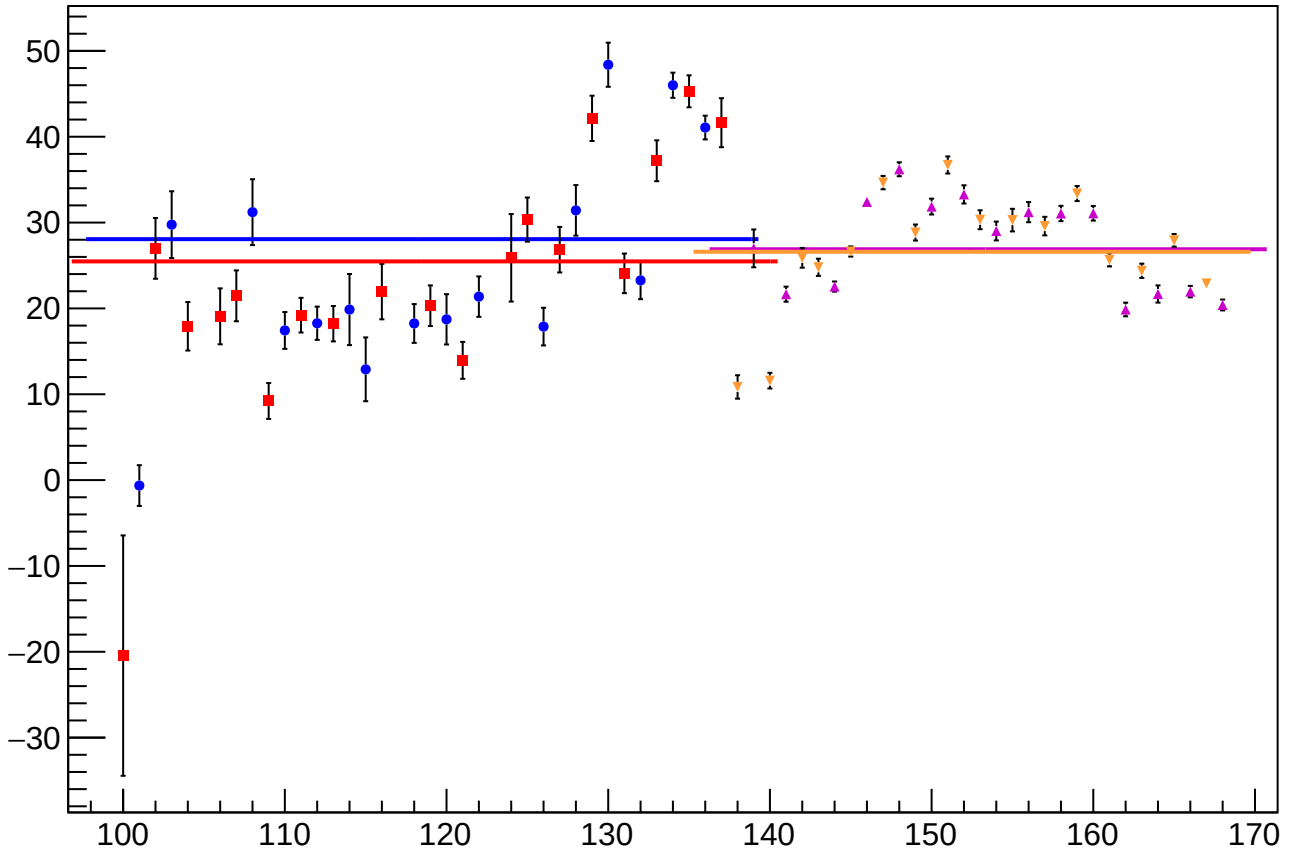

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -152.049+/-0.487 χ²/NDF:875.5/15
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -147.932+/-0.501 χ²/NDF:1682.6/14
Left: -150.052+/-0.349 χ²/NDF: 2592.8/30
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -149.526+/-0.464 χ²/NDF:2568.9/30
Out: -153.277+/-0.457 χ²/NDF:1801.6/34
All: -151.431+/-0.326 χ²/NDF: 4403.7/65


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.589+/-0.022 χ²/NDF:336.5/15
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.711+/-0.022 χ²/NDF:429.4/14
Left: 1.650+/-0.016 χ²/NDF: 781.1/30
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.574+/-0.021 χ²/NDF:981.1/30
Out: 1.451+/-0.021 χ²/NDF:1276.7/34
All: 1.513+/-0.015 χ²/NDF: 2274.7/65


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -41.260+/-0.261 χ²/NDF:1158.7/15
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -39.792+/-0.253 χ²/NDF:1779.6/14
Left: -40.502+/-0.182 χ²/NDF: 2954.6/30
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.650+/-0.223 χ²/NDF:2348.8/30
Out: -38.324+/-0.226 χ²/NDF:1987.9/34
All: -37.982+/-0.159 χ²/NDF: 4341.2/65


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -3.041+/-0.186 χ²/NDF:762.7/15
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -3.685+/-0.178 χ²/NDF:668.4/14
Left: -3.379+/-0.129 χ²/NDF: 1437.4/30
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -3.826+/-0.168 χ²/NDF:911.5/30
Out: -3.287+/-0.176 χ²/NDF:914.7/34
All: -3.569+/-0.121 χ²/NDF: 1831.1/65


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -65.947+/-0.259 χ²/NDF:5807.7/15
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -61.323+/-0.249 χ²/NDF:6384.1/14
Left: -63.545+/-0.179 χ²/NDF: 12357.9/30
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -67.118+/-0.226 χ²/NDF:9920.6/30
Out: -70.421+/-0.234 χ²/NDF:8213.5/34
All: -68.713+/-0.162 χ²/NDF: 18237.5/65



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.600+/-0.214 χ^2/NDF:764.4/15

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.893+/-0.207 χ^2/NDF:730.3/14

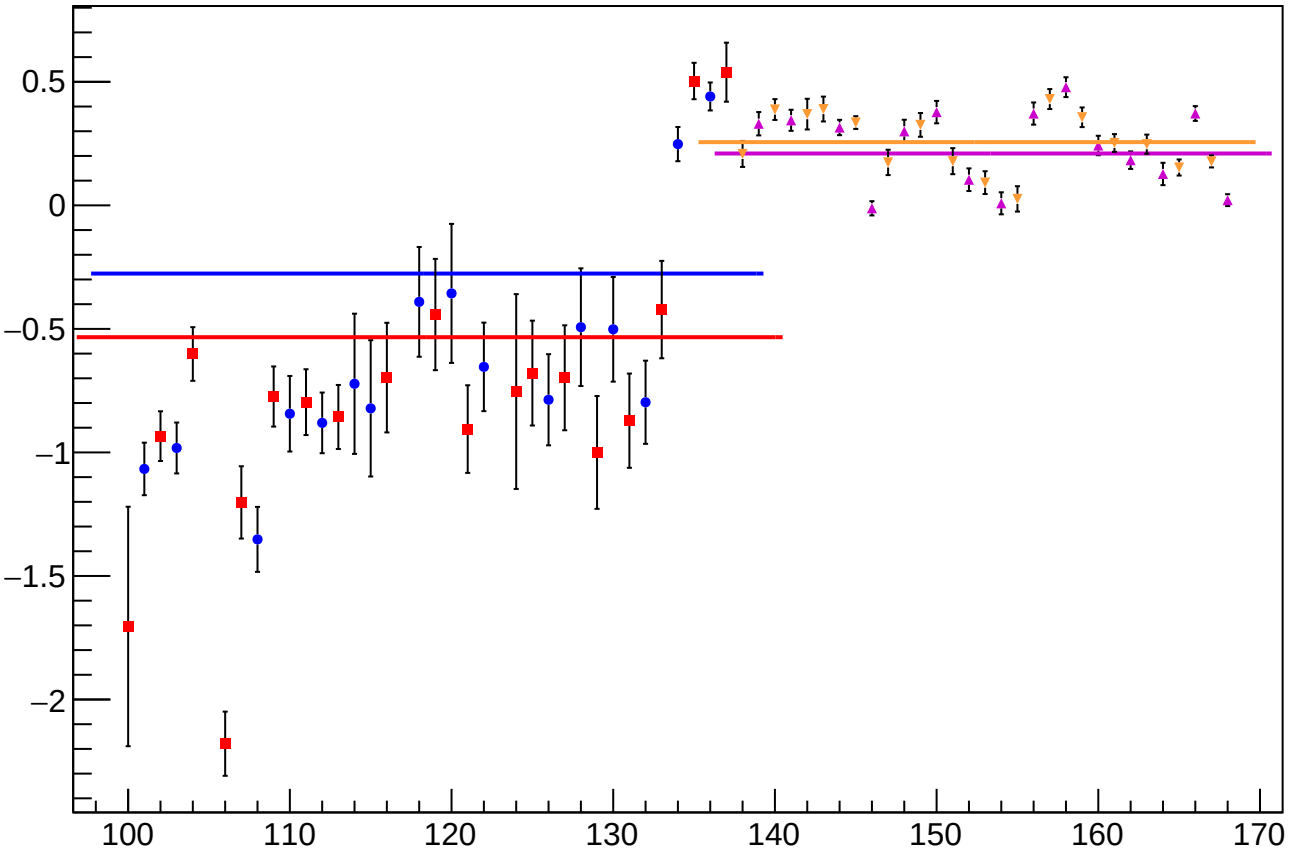
Left: 26.751+/-0.149 χ^2/NDF: 1495.7/30

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 27.030+/-0.195 χ^2/NDF:1317.2/30

Out: 26.469+/-0.202 χ^2/NDF:1122.2/34

All: 26.759+/-0.140 χ^2/NDF: 2443.4/65



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.256+/-0.010 χ^2/NDF:115.1/15

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.210+/-0.010 χ^2/NDF:283.5/14

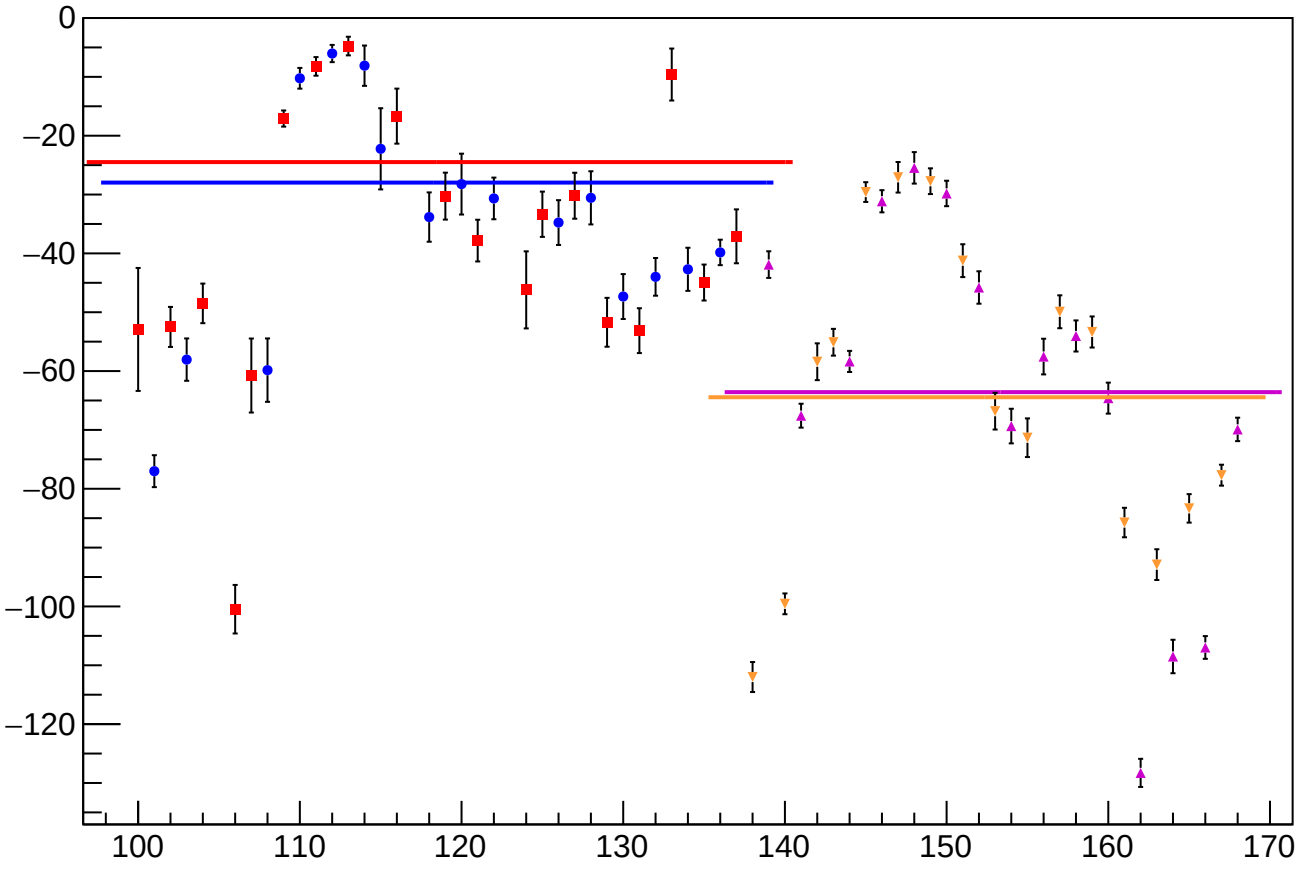
Left: 0.232+/-0.007 χ^2/NDF: 409.9/30

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.167+/-0.009 χ^2/NDF:968.6/30

Out: 0.191+/-0.009 χ^2/NDF:1155.7/34

All: 0.179+/-0.007 χ^2/NDF: 2127.7/65



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -64.448+/-0.590 χ^2/NDF:2109.4/15

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -63.581+/-0.593 χ^2/NDF:2408.6/14

Left: -64.017+/-0.418 χ^2/NDF: 4519.1/30

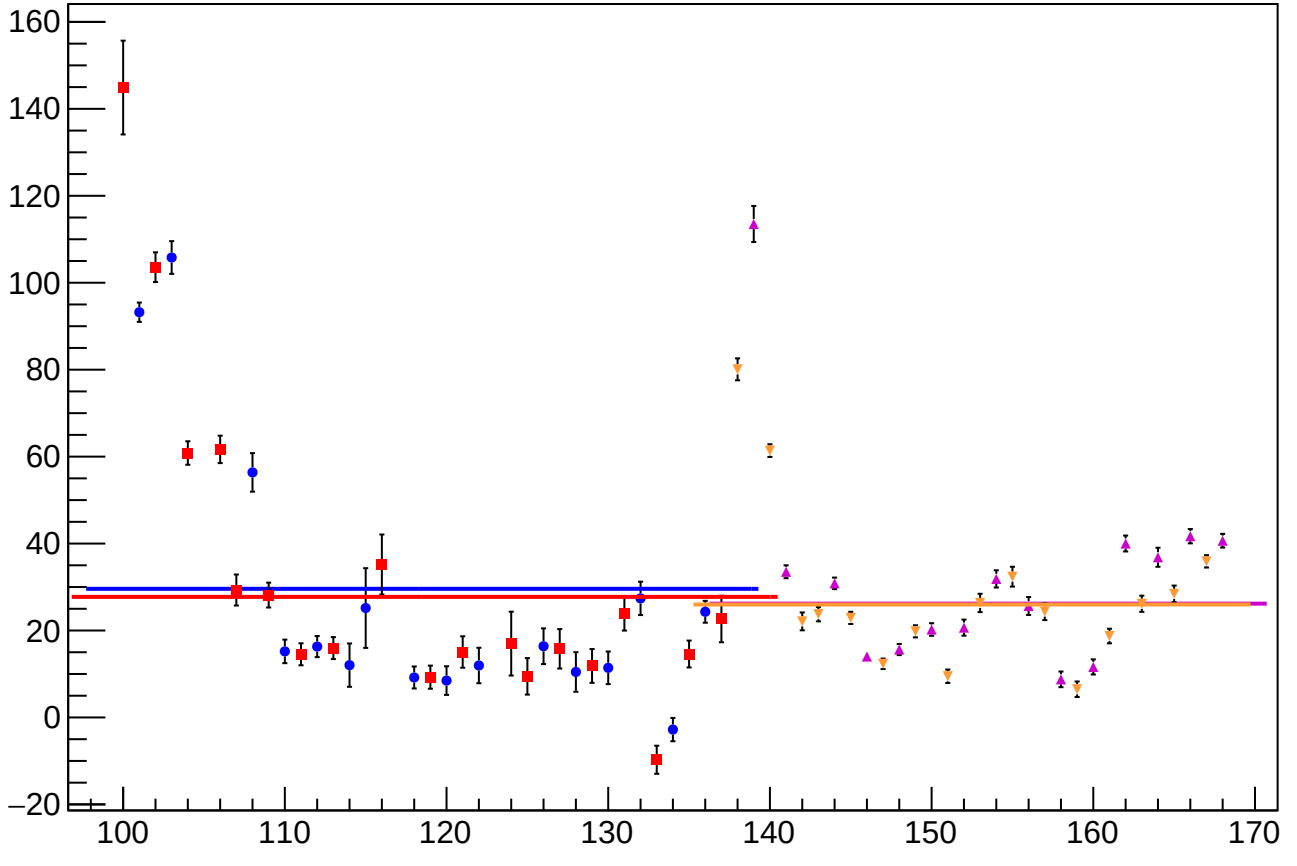
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -49.376+/-0.460 χ^2/NDF:4743.5/30

Out: -46.772+/-0.441 χ^2/NDF:5126.2/34

All: -48.020+/-0.318 χ^2/NDF: 9886.4/65

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.985+/-0.417 χ^2/NDF:1509.5/15

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 26.180+/-0.422 χ^2/NDF:1113.8/14

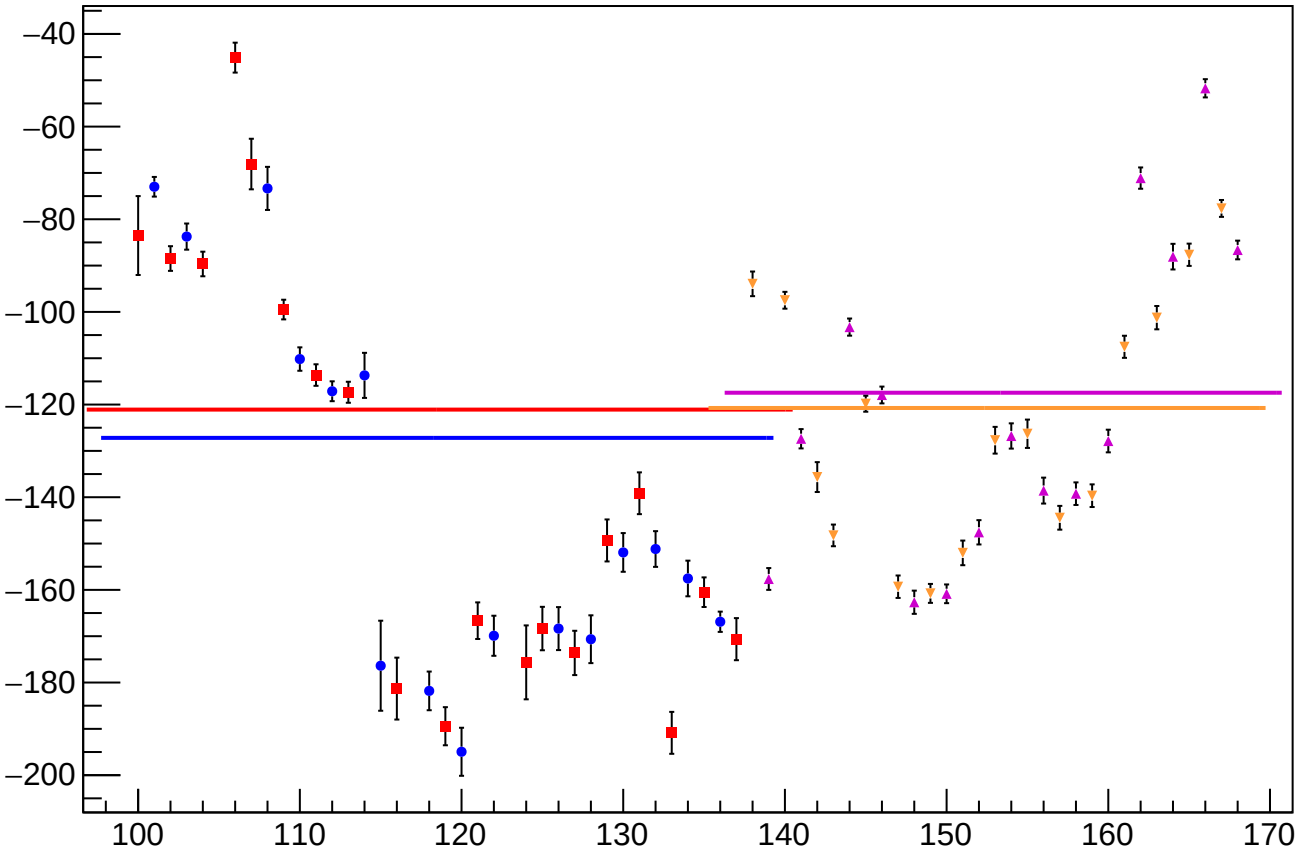
Left: 26.081+/-0.296 χ^2/NDF: 2623.5/30

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.911+/-0.374 χ^2/NDF:2793.6/30

Out: 26.361+/-0.369 χ^2/NDF:2698.4/34

All: 26.633+/-0.263 χ^2/NDF: 5493.1/65



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -120.737+/-0.581 χ^2/NDF:2192.9/15

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -117.445+/-0.579 χ^2/NDF:3325.4/14

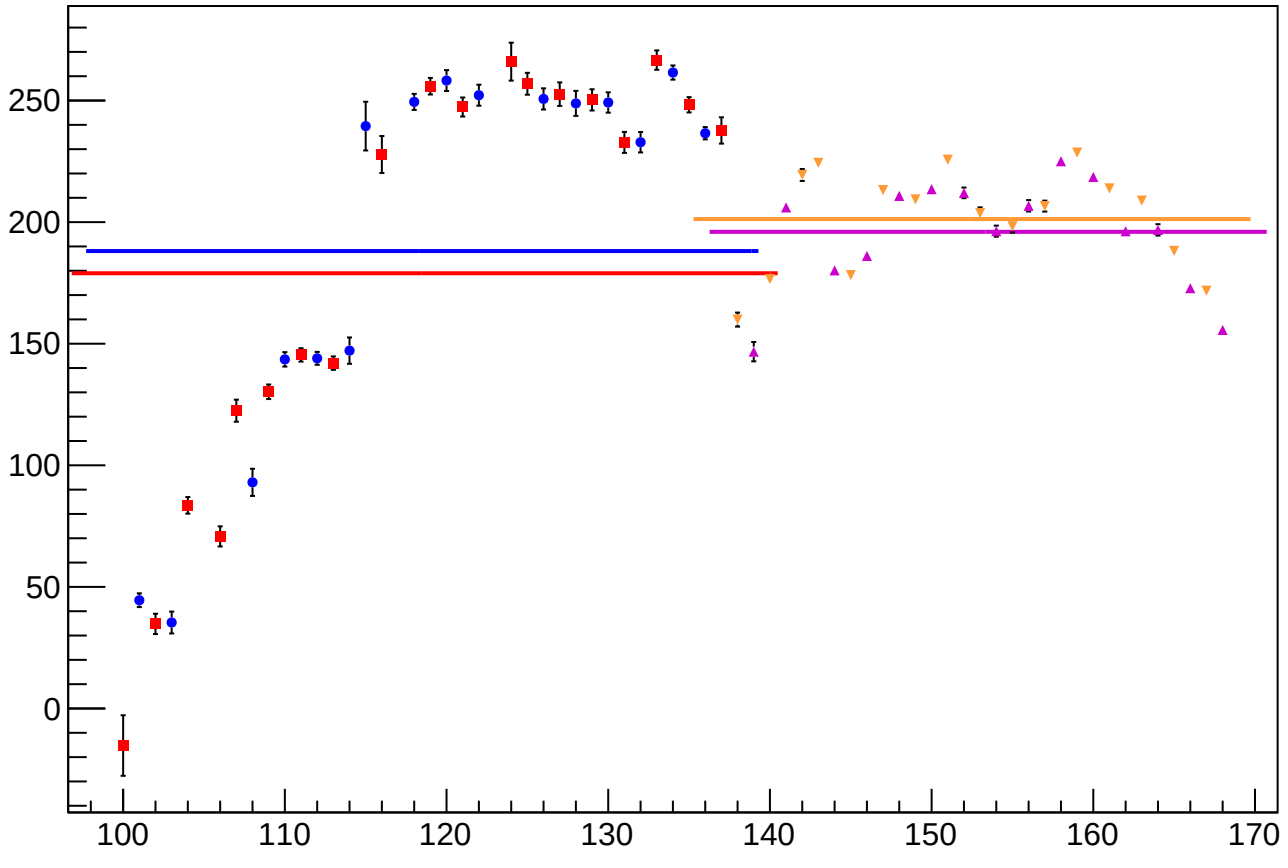
Left: -119.087+/-0.410 χ^2/NDF: 5534.4/30

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -120.642+/-0.475 χ^2/NDF:5596.3/30

Out: -120.858+/-0.470 χ^2/NDF:4590.3/34

All: -120.751+/-0.334 χ^2/NDF: 10186.8/65



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.258+/-0.483 χ^2/NDF:1721.5/15

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 196.013+/-0.488 χ^2/NDF:1633.6/14

Left: 198.662+/-0.343 χ^2/NDF: 3413.4/30

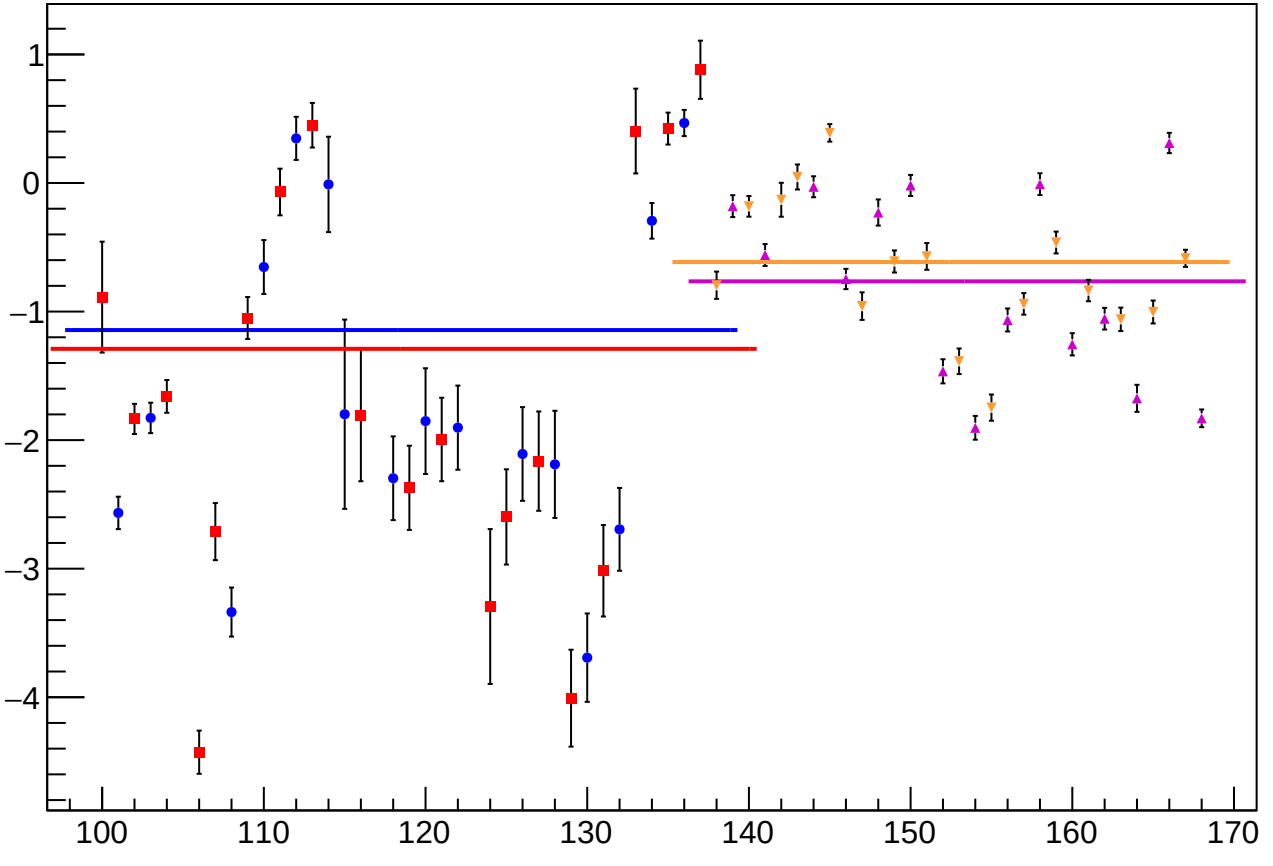
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 194.271+/-0.431 χ^2/NDF:8810.1/30

Out: 196.340+/-0.427 χ^2/NDF:8859.8/34

All: 195.316+/-0.303 χ^2/NDF: 17681.5/65

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.615+/-0.022 χ^2/NDF:571.5/15

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.765+/-0.022 χ^2/NDF:1088.3/14

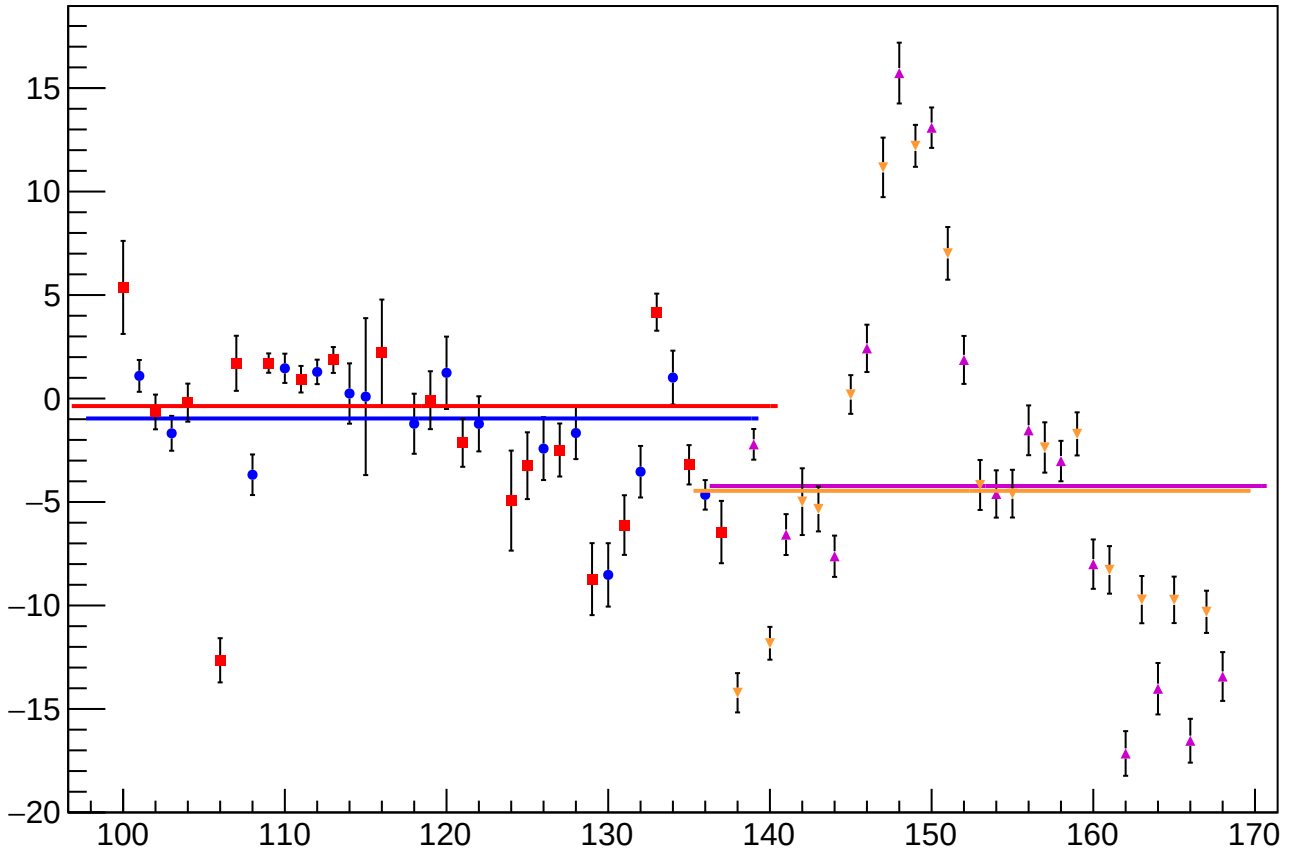
Left: -0.691+/-0.016 χ^2/NDF: 1682.9/30

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.831+/-0.020 χ^2/NDF:1927.1/30

Out: -0.736+/-0.020 χ^2/NDF:1735.9/34

All: -0.784+/-0.014 χ^2/NDF: 3674.2/65



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.459+/-0.272 χ^2/NDF:784.5/15

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -4.227+/-0.275 χ^2/NDF:1003.0/14

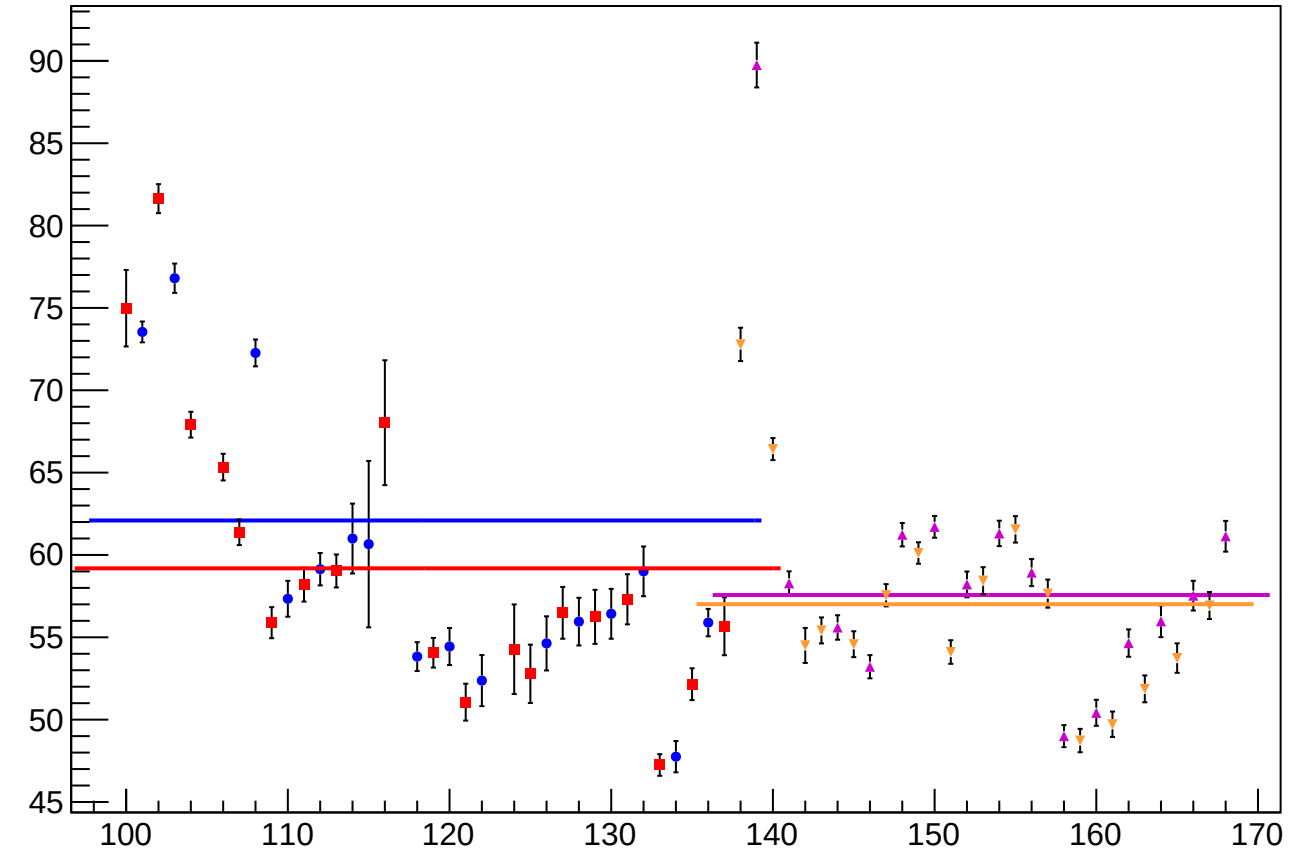
Left: -4.345+/-0.194 χ^2/NDF: 1787.9/30

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.460+/-0.186 χ^2/NDF:1182.3/30

Out: -2.014+/-0.173 χ^2/NDF:1200.0/34

All: -2.220+/-0.127 χ^2/NDF: 2385.4/65



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.010+/-0.196 χ^2/NDF:814.0/15

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.568+/-0.204 χ^2/NDF:975.1/14

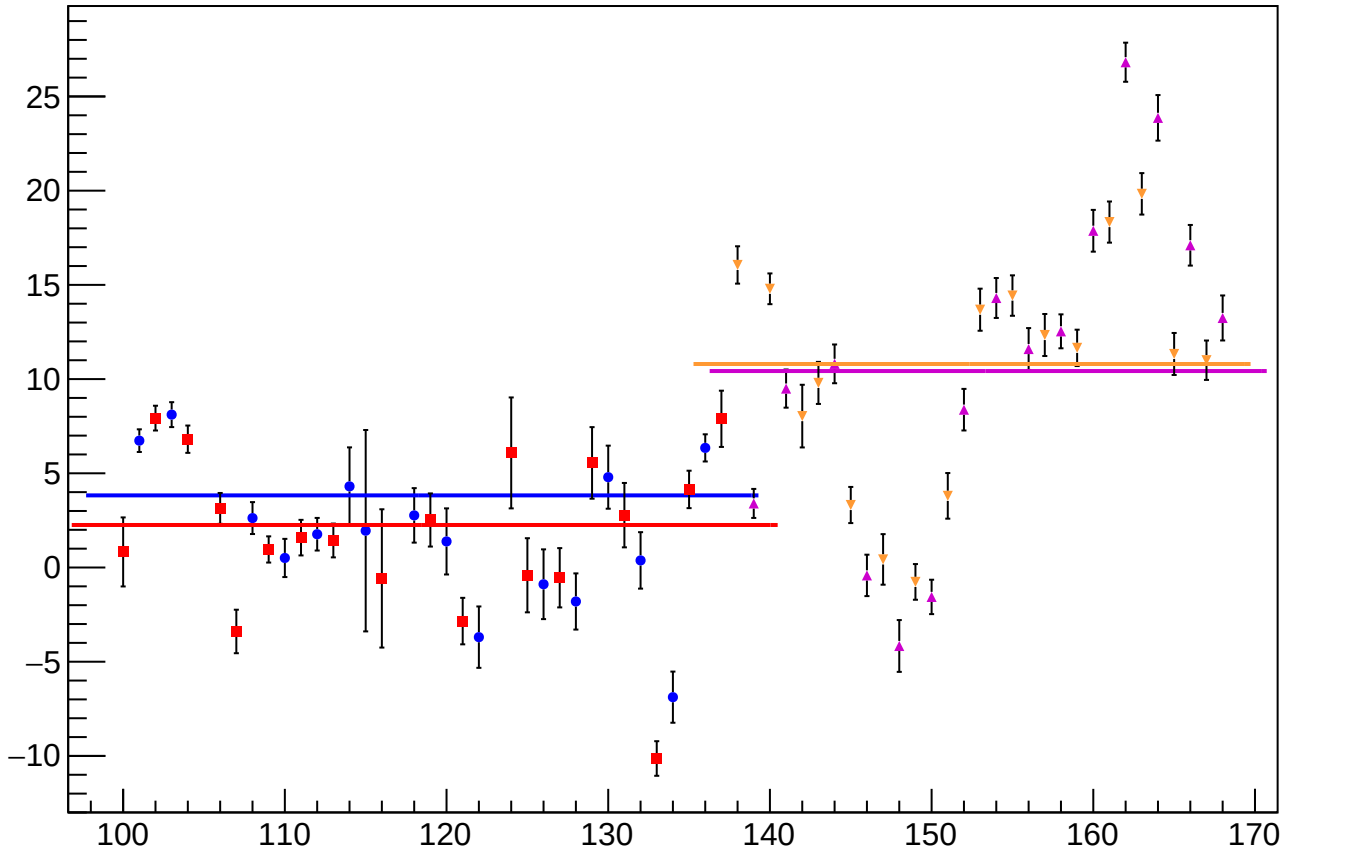
Left: 57.277+/-0.141 χ^2/NDF: 1793.0/30

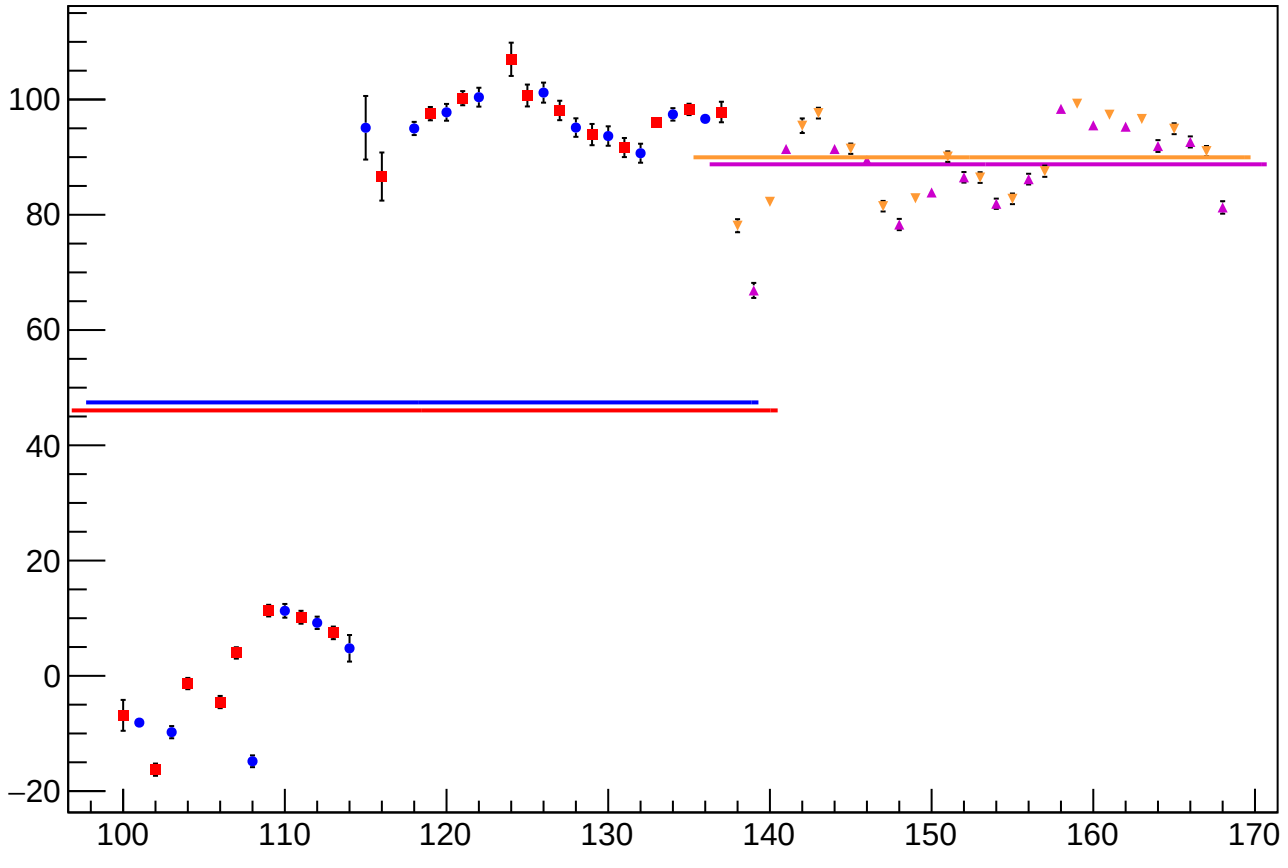
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.247+/-0.162 χ^2/NDF:2459.3/30

Out: 57.863+/-0.153 χ^2/NDF:2264.7/34

All: 58.515+/-0.111 χ^2/NDF: 4762.7/65


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 10.801+/-0.267 χ²/NDF:494.8/15
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 10.427+/-0.268 χ²/NDF:952.0/14
Left: 10.615+/-0.189 χ²/NDF: 1447.7/30
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 7.092+/-0.189 χ²/NDF:1466.6/30
Out: 6.192+/-0.181 χ²/NDF:1420.2/34
All: 6.623+/-0.131 χ²/NDF: 2898.7/65



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.969+/-0.224 χ^2/NDF:869.1/15

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 88.754+/-0.232 χ^2/NDF:909.9/14

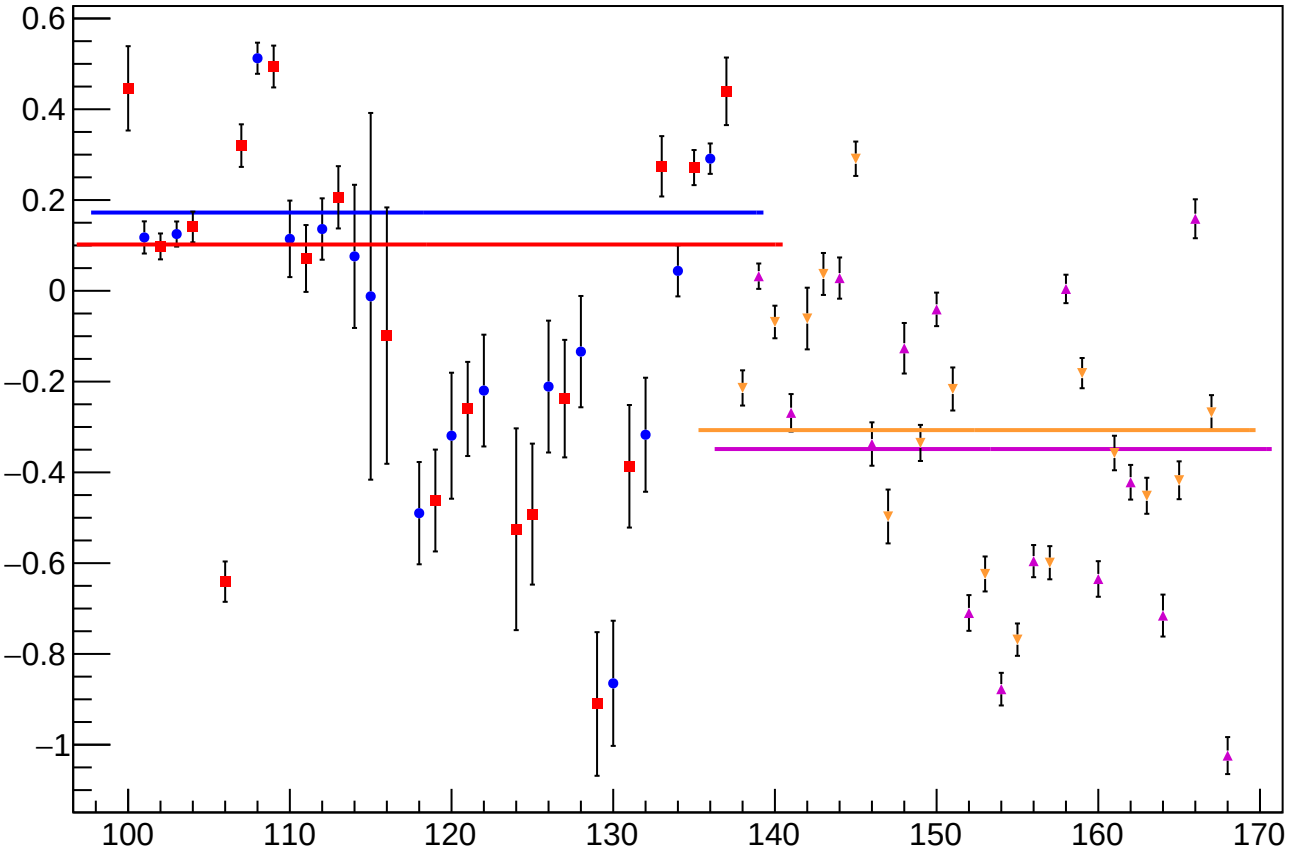
Left: 89.381+/-0.161 χ^2/NDF: 1793.1/30

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 73.814+/-0.185 χ^2/NDF:39276.4/30

Out: 73.114+/-0.176 χ^2/NDF:44456.5/34

All: 73.447+/-0.128 χ^2/NDF: 83740.4/65



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.307+/-0.010 χ^2/NDF:718.5/15

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.349+/-0.010 χ^2/NDF:1354.1/14

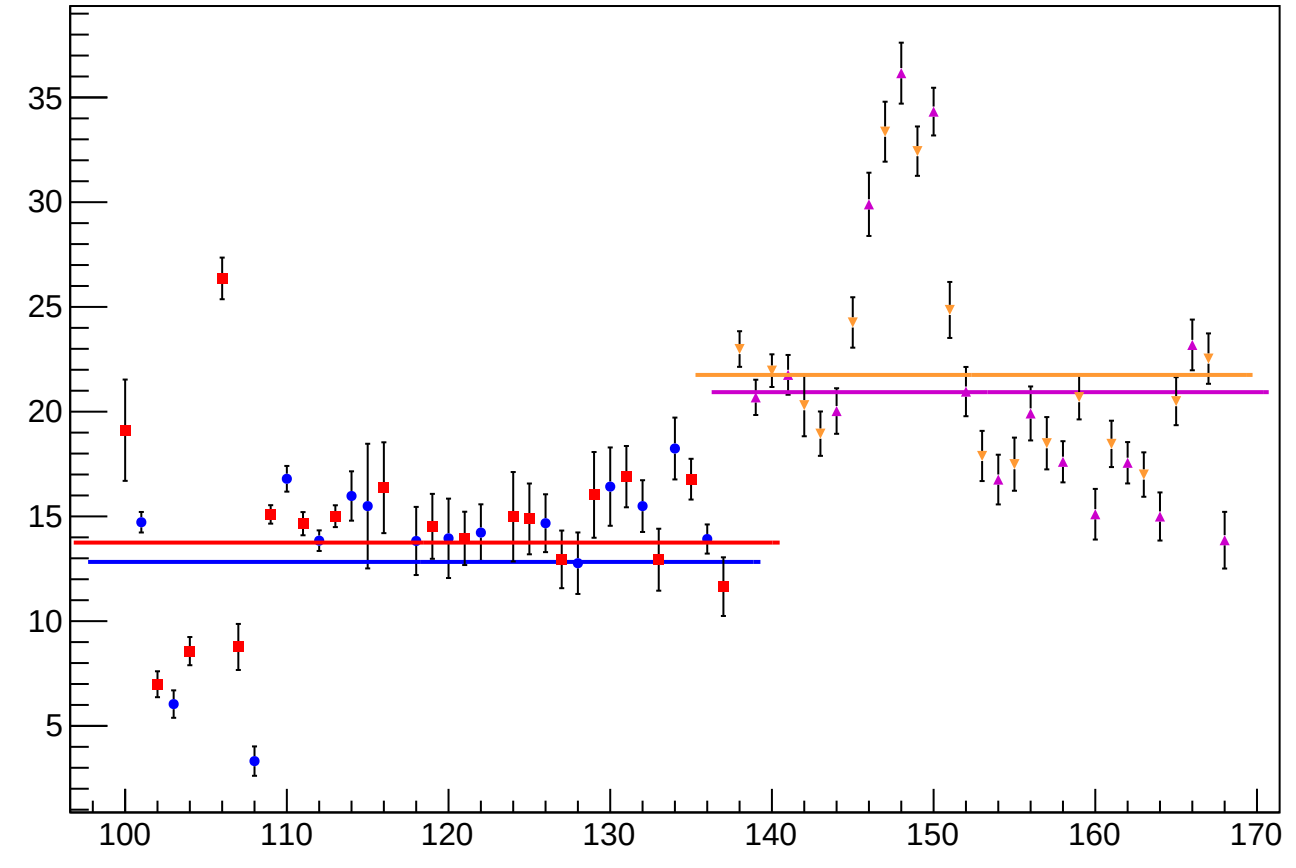
Left: -0.328+/-0.007 χ^2/NDF: 2081.2/30

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.175+/-0.008 χ^2/NDF:2524.1/30

Out: -0.160+/-0.008 χ^2/NDF:1869.9/34

All: -0.168+/-0.006 χ^2/NDF: 4395.7/65



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.754+/-0.279 χ^2/NDF:227.9/15

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 20.932+/-0.291 χ^2/NDF:401.5/14

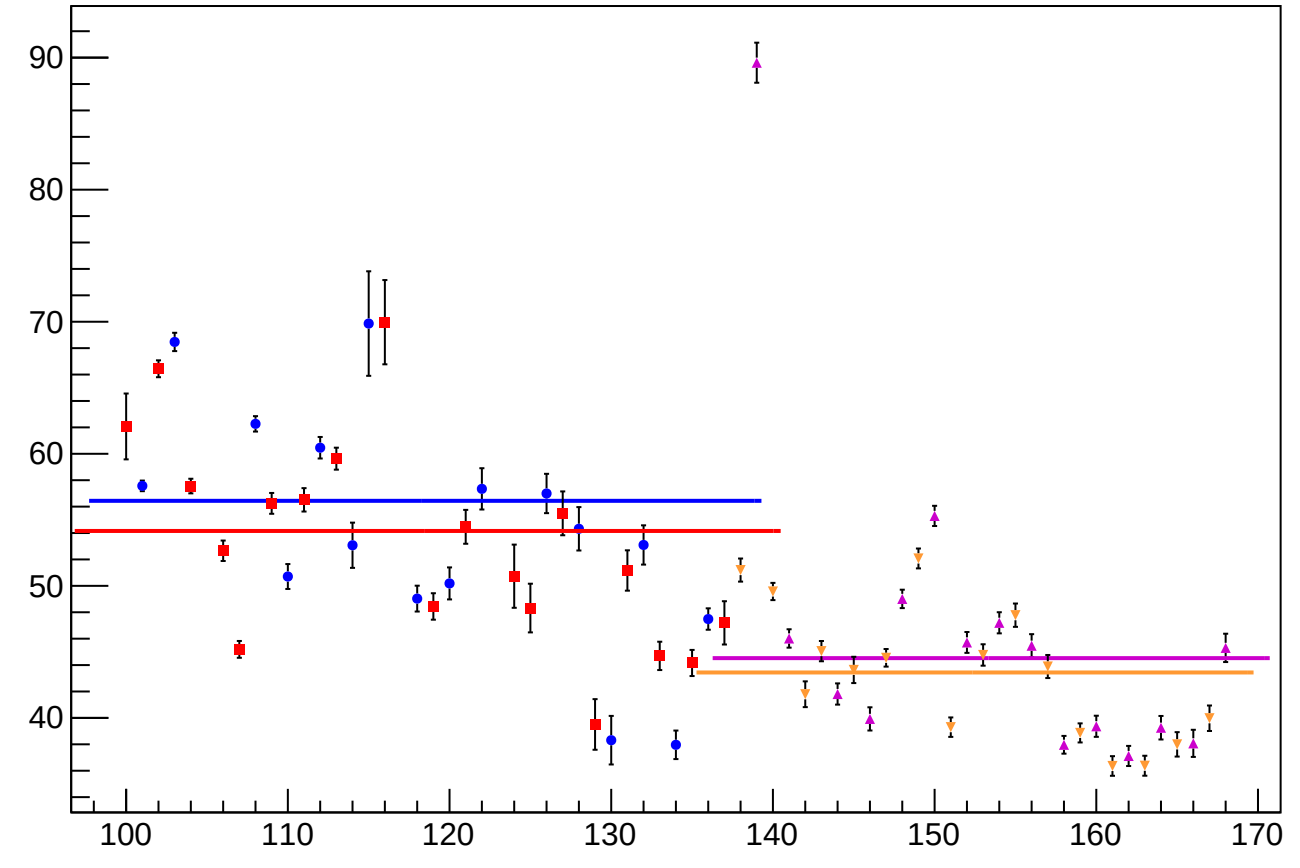
Left: 21.360+/-0.201 χ^2/NDF: 633.6/30

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.674+/-0.172 χ^2/NDF:1293.0/30

Out: 16.539+/-0.165 χ^2/NDF:1167.6/34

All: 16.126+/-0.119 χ^2/NDF: 2473.8/65



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.440+/-0.200 χ^2/NDF:633.1/15

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.526+/-0.212 χ^2/NDF:1487.4/14

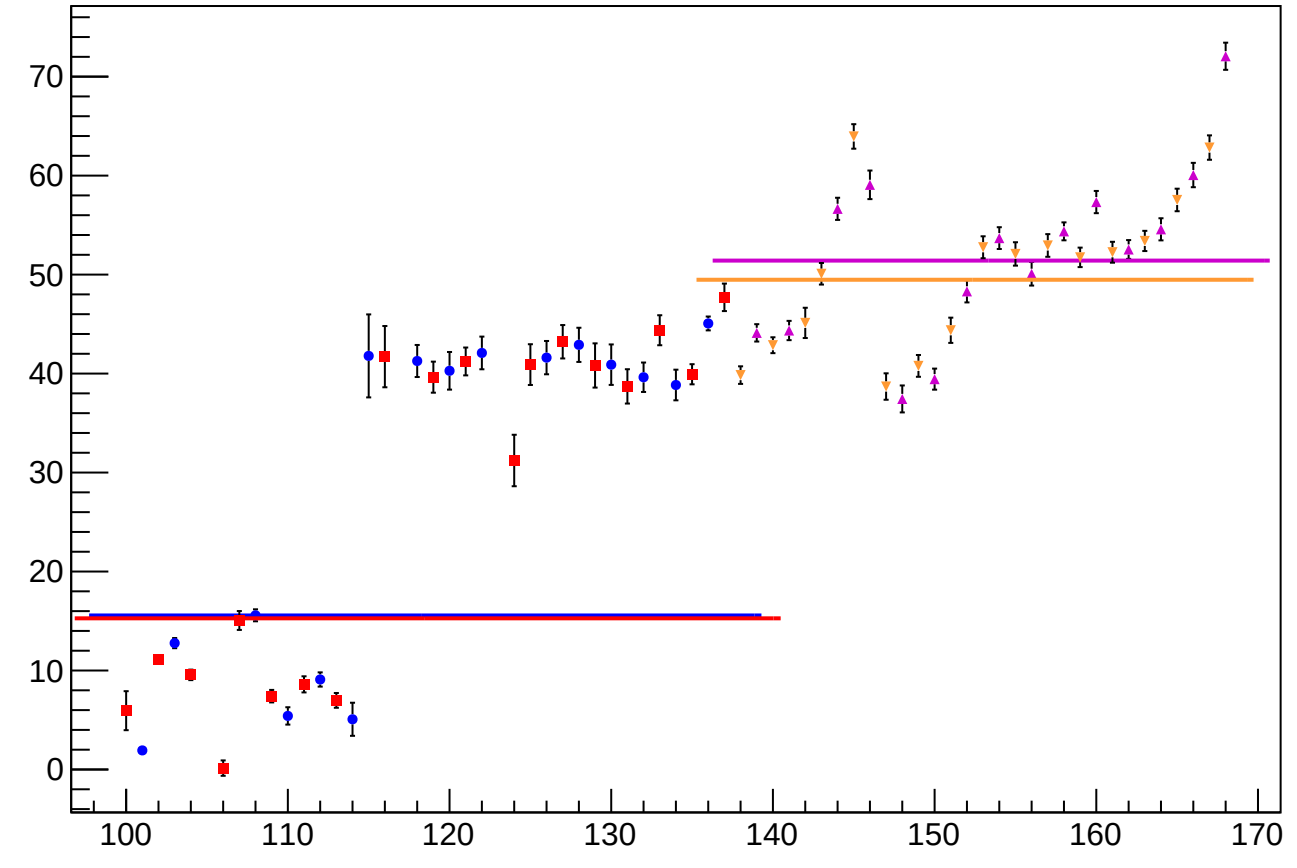
Left: 43.949+/-0.145 χ^2/NDF: 2134.4/30

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.225+/-0.153 χ^2/NDF:4079.5/30

Out: 48.169+/-0.149 χ^2/NDF:2912.3/34

All: 49.168+/-0.107 χ^2/NDF: 7084.1/65



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 49.479+/-0.274 χ^2/NDF:691.9/15

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 51.415+/-0.283 χ^2/NDF:740.8/14

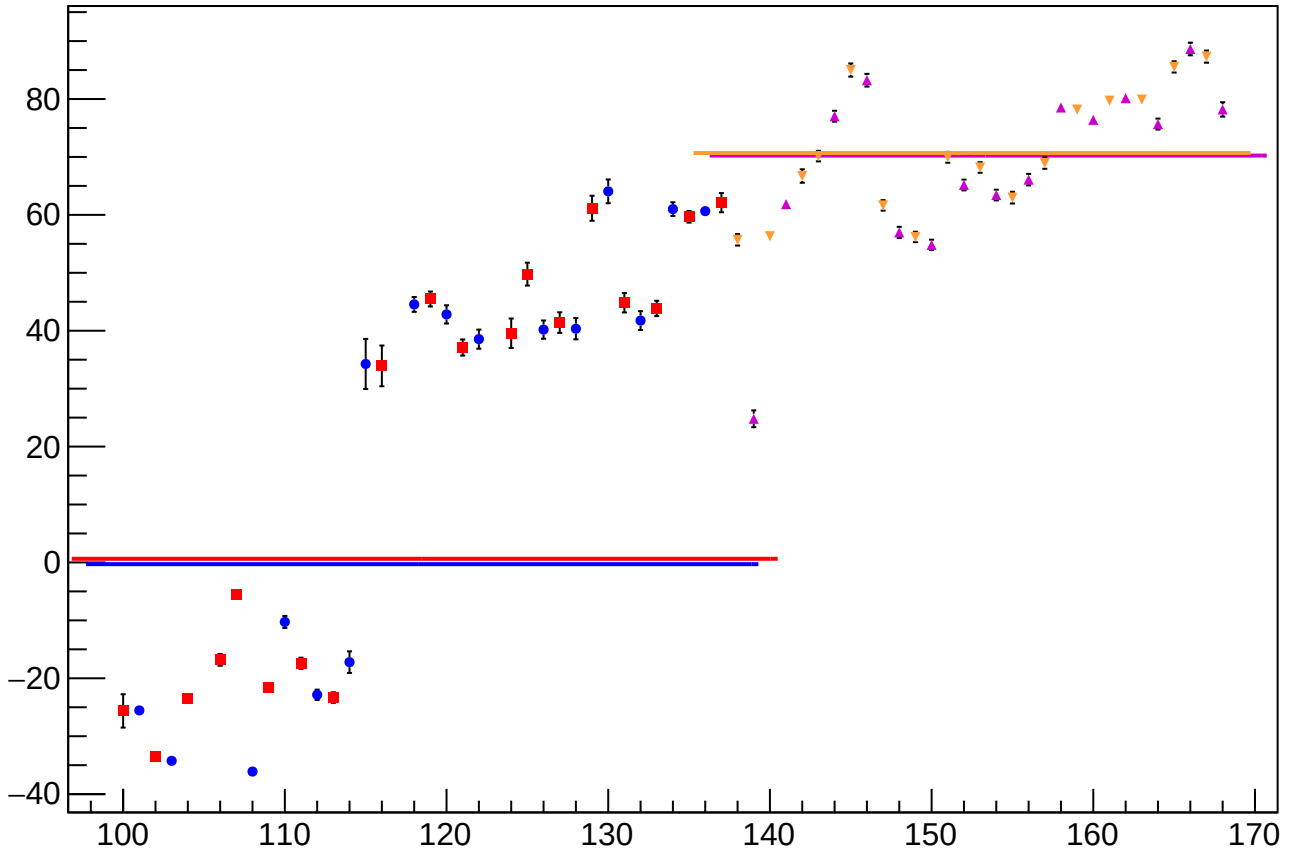
Left: 50.414+/-0.197 χ^2/NDF: 1456.9/30

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 28.610+/-0.171 χ^2/NDF:16133.6/30

Out: 28.640+/-0.171 χ^2/NDF:14087.9/34

All: 28.625+/-0.121 χ^2/NDF: 30221.5/65



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 70.678+/-0.229 χ^2/NDF:2008.2/15

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 70.236+/-0.242 χ^2/NDF:2569.5/14

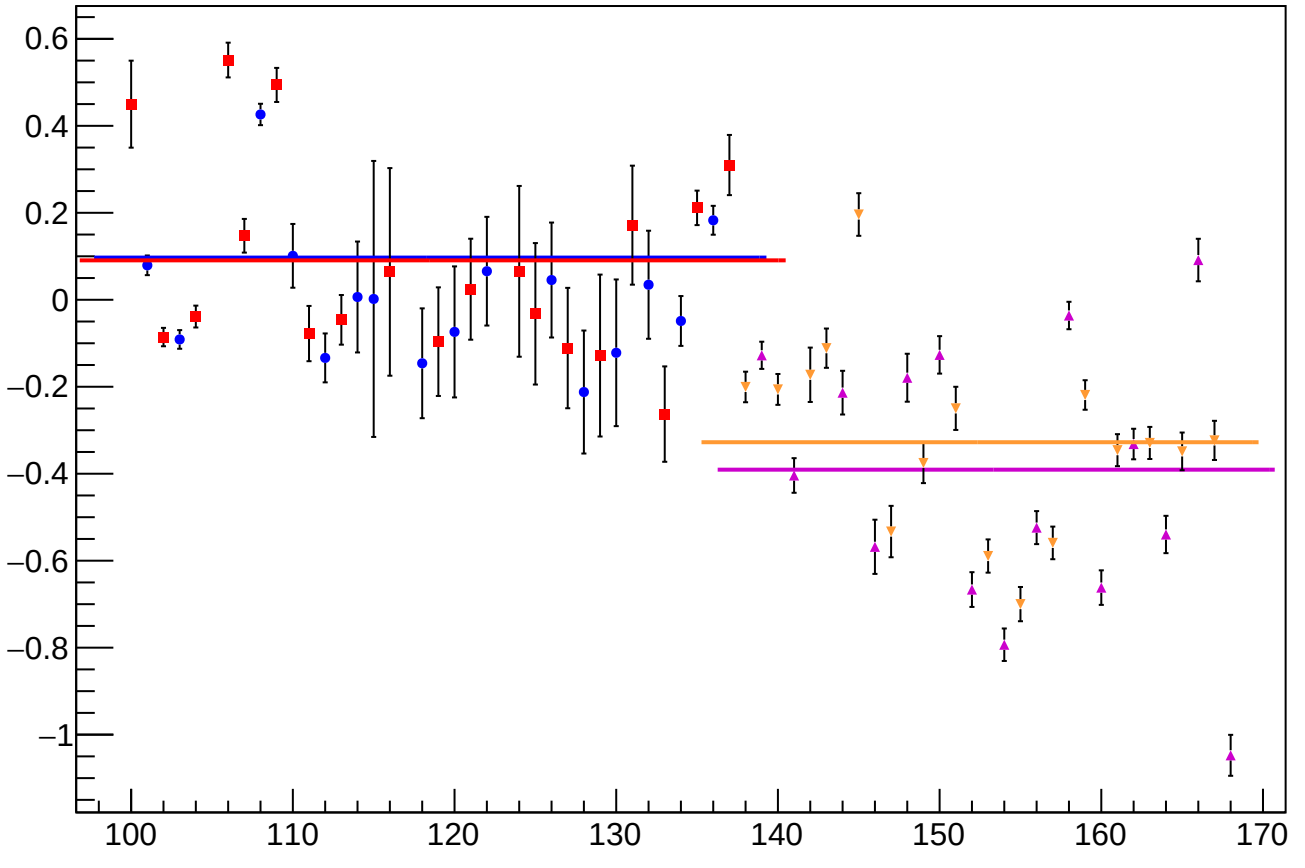
Left: 70.469+/-0.166 χ^2/NDF: 4579.5/30

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 37.738+/-0.177 χ^2/NDF:62860.6/30

Out: 40.484+/-0.173 χ^2/NDF:58206.1/34

All: 39.145+/-0.124 χ^2/NDF: 121189.4/65



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.010 χ^2/NDF:368.7/15

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.391+/-0.010 χ^2/NDF:799.3/14

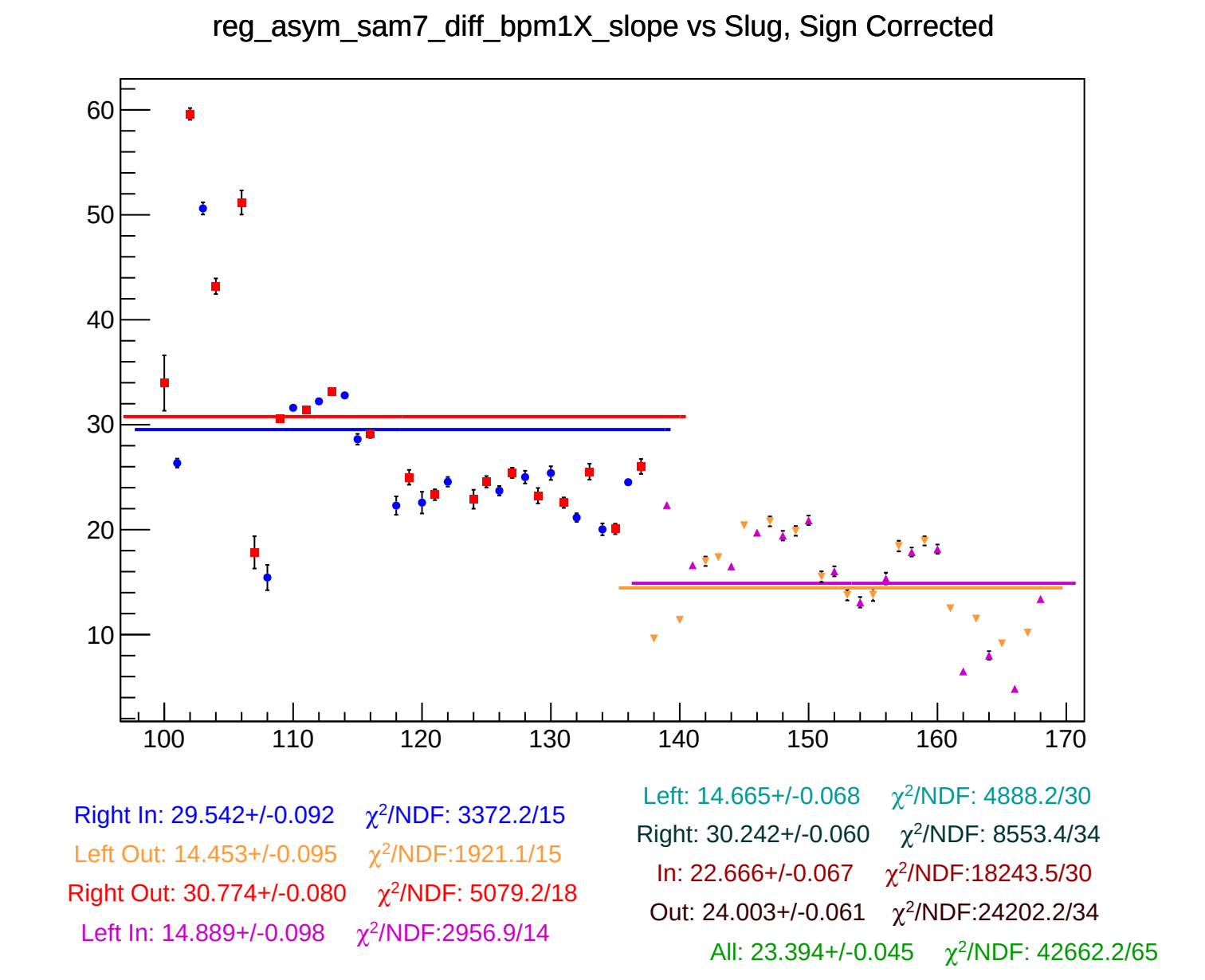
Left: -0.359+/-0.007 χ^2/NDF: 1186.3/30

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.163+/-0.008 χ^2/NDF:2106.0/30

Out: -0.138+/-0.008 χ^2/NDF:1506.0/34

All: -0.151+/-0.005 χ^2/NDF: 3617.2/65


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
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140
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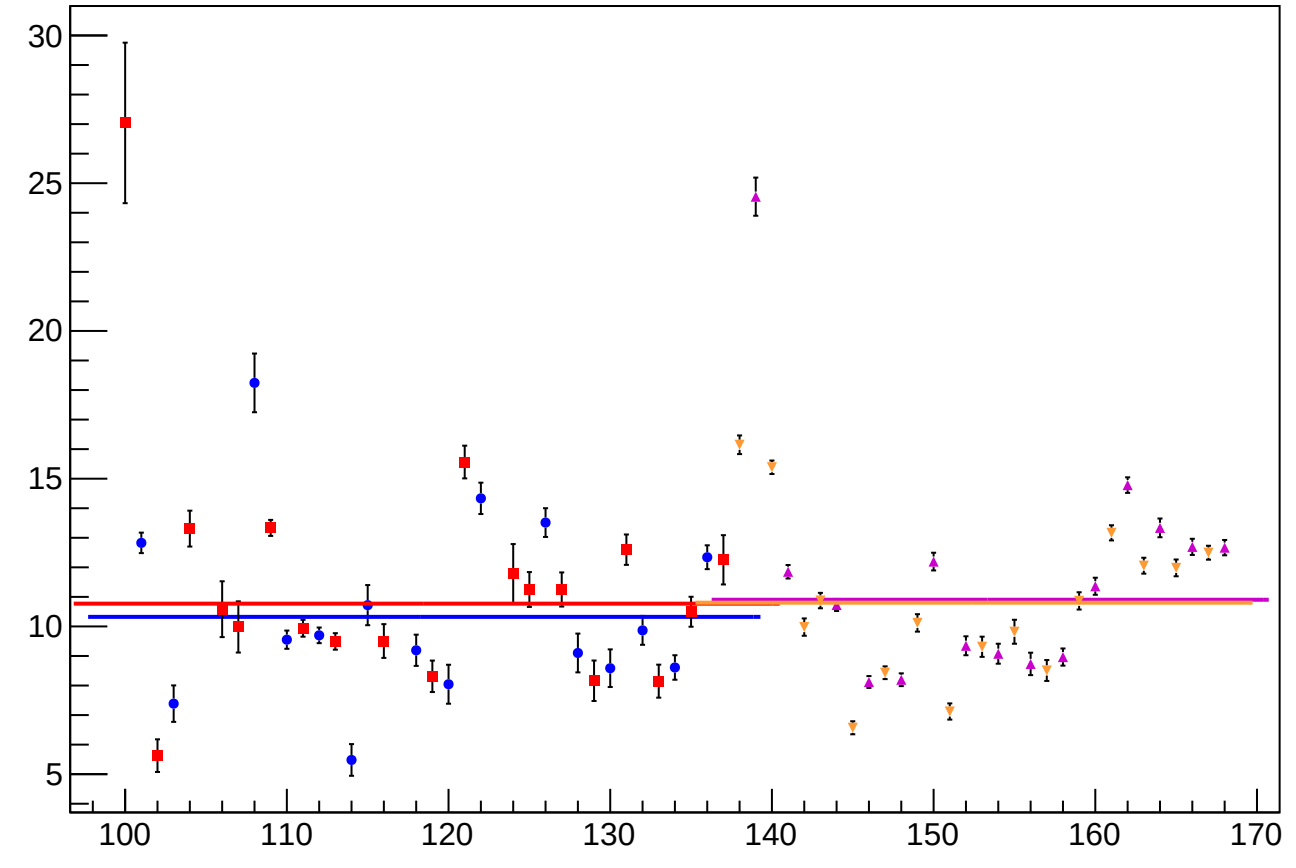
160
170
Right In: 29.542+/-0.092 χ2/NDF: 3372.2/15
Left Out: 14.453+/-0.095 χ2/NDF:1921.1/15
Right Out: 30.774+/-0.080 χ2/NDF: 5079.2/18
Left In: 14.889+/-0.098 χ2/NDF:2956.9/14
Left: 14.665+/-0.068 χ2/NDF: 4888.2/30
Right: 30.242+/-0.060 χ2/NDF: 8553.4/34
In: 22.666+/-0.067 χ2/NDF:18243.5/30
Out: 24.003+/-0.061 χ2/NDF:24202.2/34
All: 23.394+/-0.045 χ2/NDF: 42662.2/65



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.804+/-0.068 χ^2/NDF:1614.1/15

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.903+/-0.070 χ^2/NDF:1331.4/14

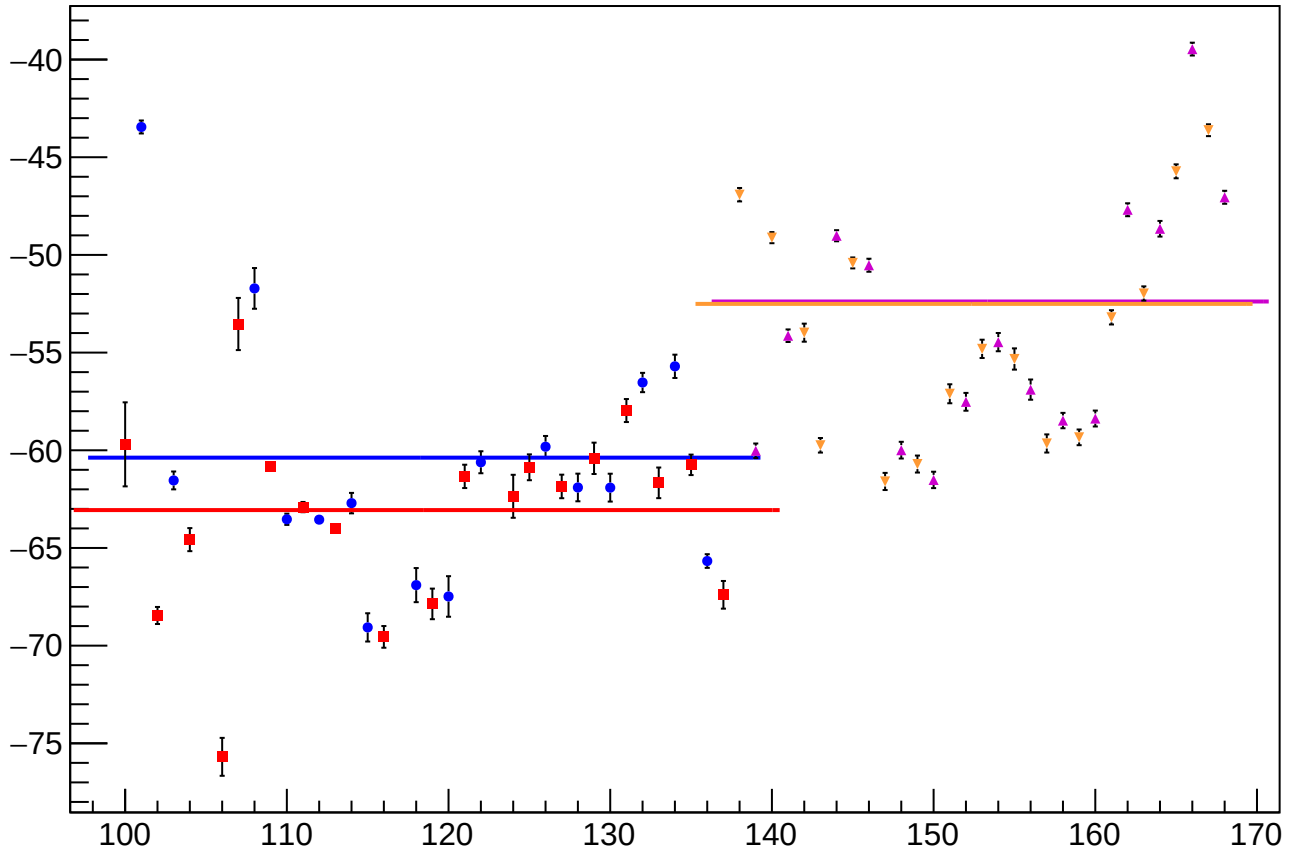
Left: 10.852+/-0.049 χ^2/NDF: 2946.6/30

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.745+/-0.060 χ^2/NDF:1752.8/30

Out: 10.795+/-0.058 χ^2/NDF:2030.0/34

All: 10.771+/-0.042 χ^2/NDF: 3783.2/65



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.507+/-0.094 χ^2/NDF:3524.2/15

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.385+/-0.096 χ^2/NDF:4178.0/14

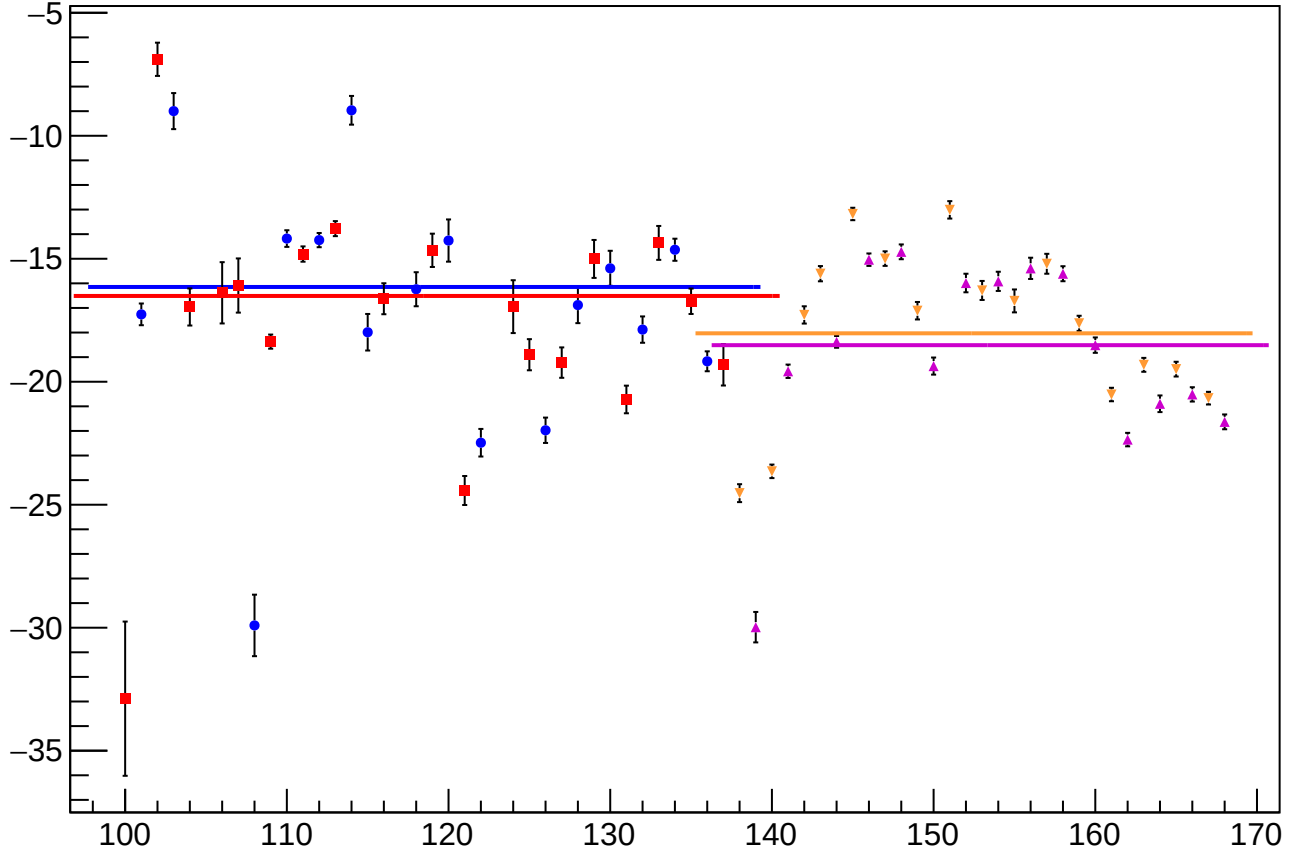
Left: -52.447+/-0.067 χ^2/NDF: 7703.1/30

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -55.733+/-0.073 χ^2/NDF:10682.2/30

Out: -57.107+/-0.071 χ^2/NDF:9832.0/34

All: -56.442+/-0.051 χ^2/NDF: 20696.2/65



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.031+/-0.079 χ^2/NDF:1791.6/15

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.513+/-0.081 χ^2/NDF:1343.6/14

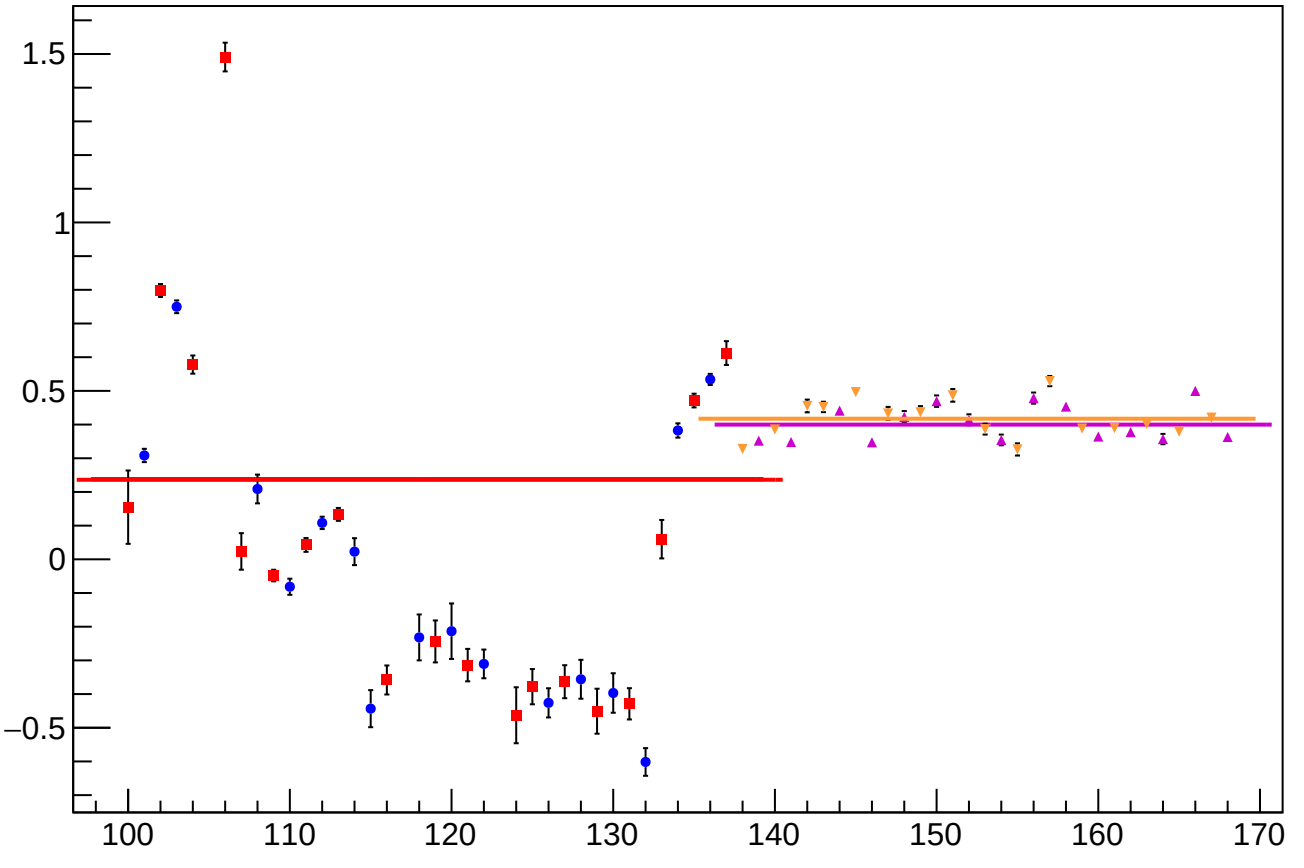
Left: -18.265+/-0.056 χ^2/NDF: 3153.5/30

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.833+/-0.068 χ^2/NDF:2387.4/30

Out: -17.600+/-0.066 χ^2/NDF:2582.6/34

All: -17.713+/-0.048 χ^2/NDF: 4976.1/65



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.8/15

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.400+/-0.004 χ^2/NDF:203.7/14

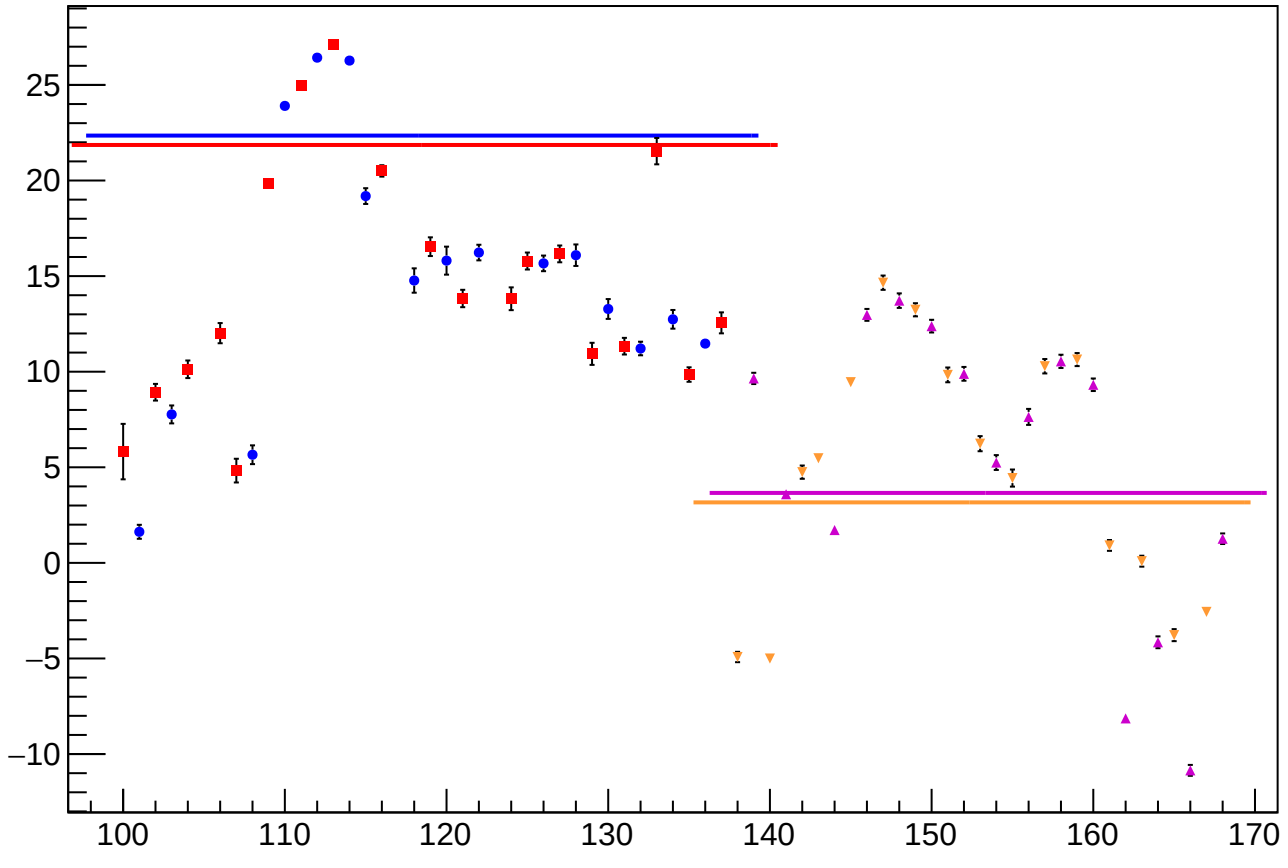
Left: 0.409+/-0.003 χ^2/NDF: 440.2/30

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.366+/-0.003 χ^2/NDF:3252.5/30

Out: 0.380+/-0.003 χ^2/NDF:4338.6/34

All: 0.373+/-0.002 χ^2/NDF: 7601.1/65



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.164+/-0.075 χ^2/NDF:7273.0/15

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.659+/-0.079 χ^2/NDF:9248.4/14

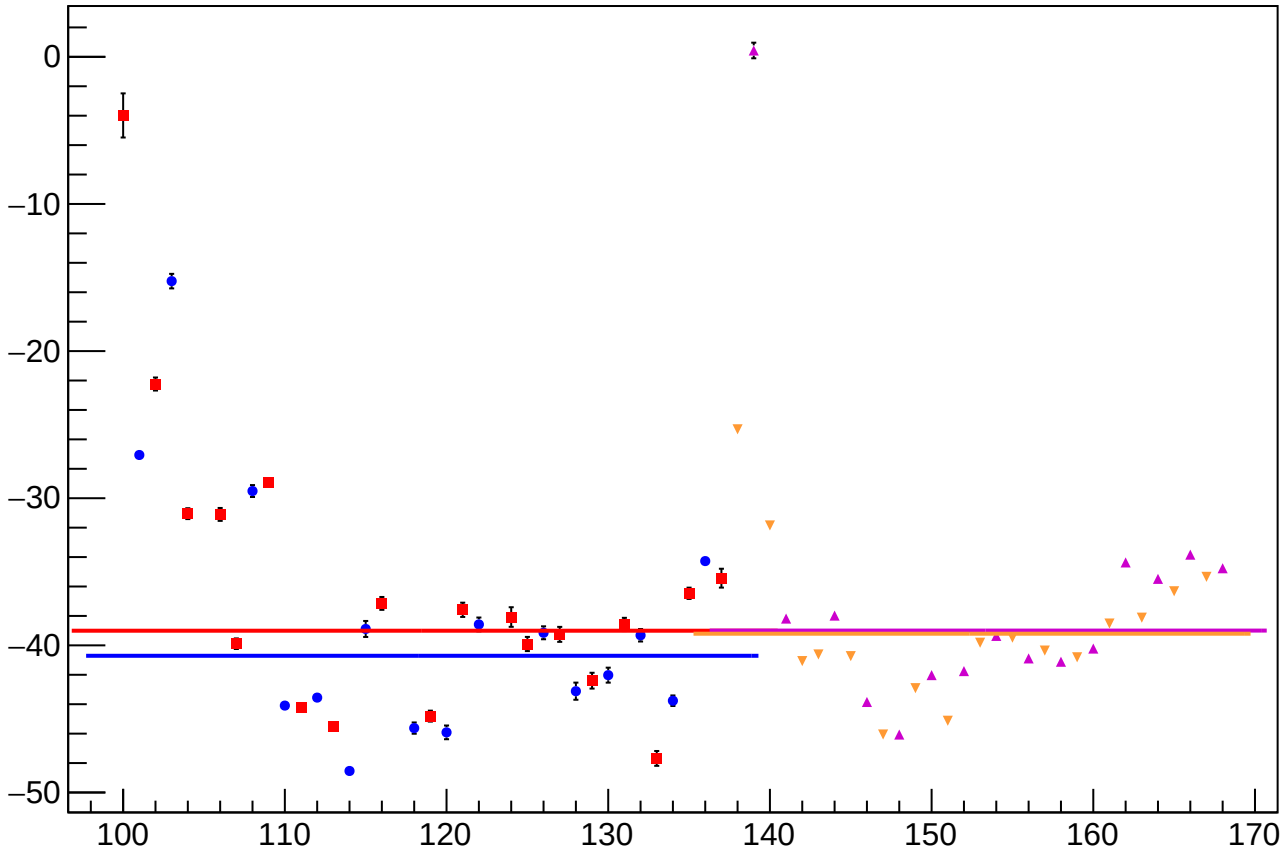
Left: 3.400+/-0.054 χ^2/NDF: 16542.2/30

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 15.975+/-0.046 χ^2/NDF:58839.0/30

Out: 16.703+/-0.039 χ^2/NDF:62952.8/34

All: 16.395+/-0.030 χ^2/NDF: 121936.8/65



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.209+/-0.053 χ^2/NDF:7985.1/15

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.996+/-0.056 χ^2/NDF:9845.6/14

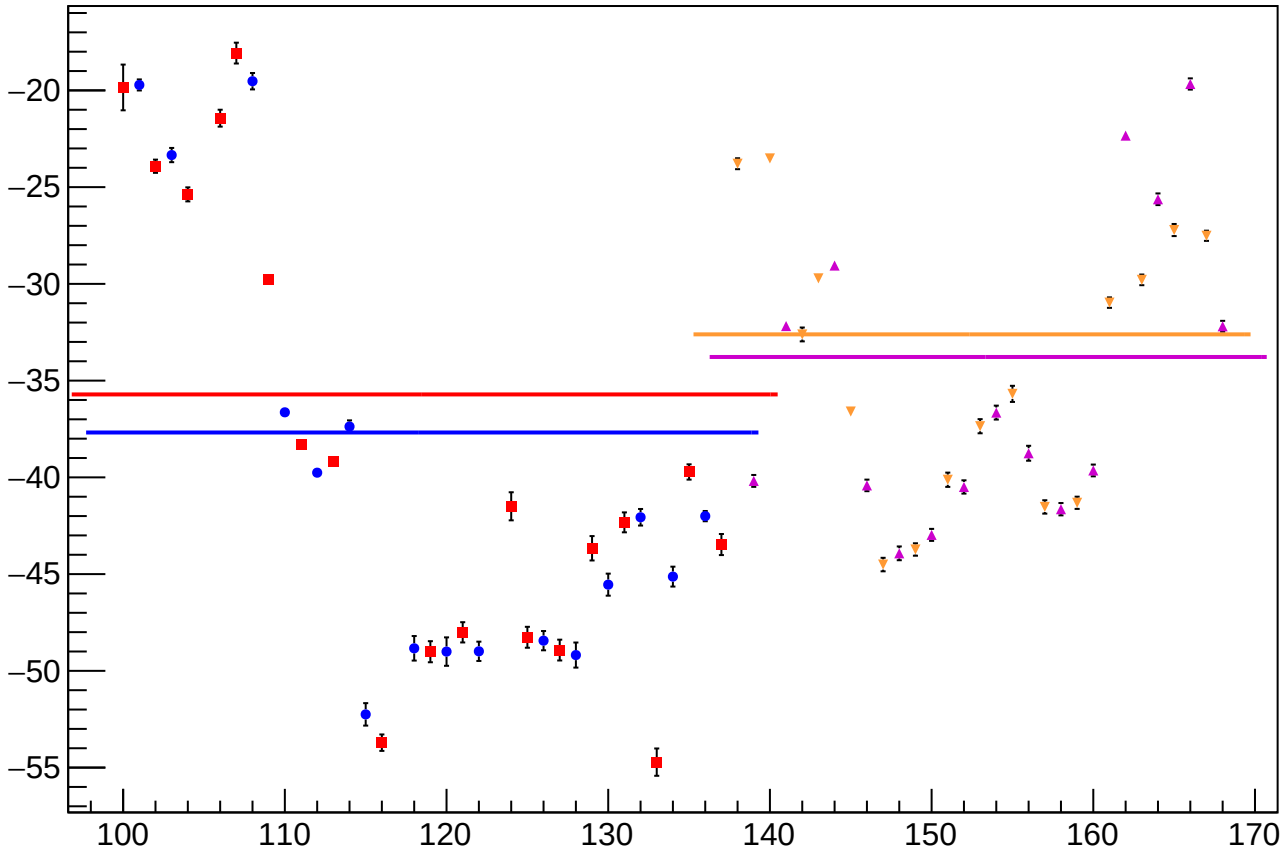
Left: -39.108+/-0.039 χ^2/NDF: 17838.3/30

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.599+/-0.045 χ^2/NDF:17950.8/30

Out: -39.135+/-0.043 χ^2/NDF:18091.7/34

All: -39.353+/-0.031 χ^2/NDF: 36098.0/65



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.609+/-0.074 χ^2/NDF:8302.8/15

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.778+/-0.077 χ^2/NDF:9873.0/14

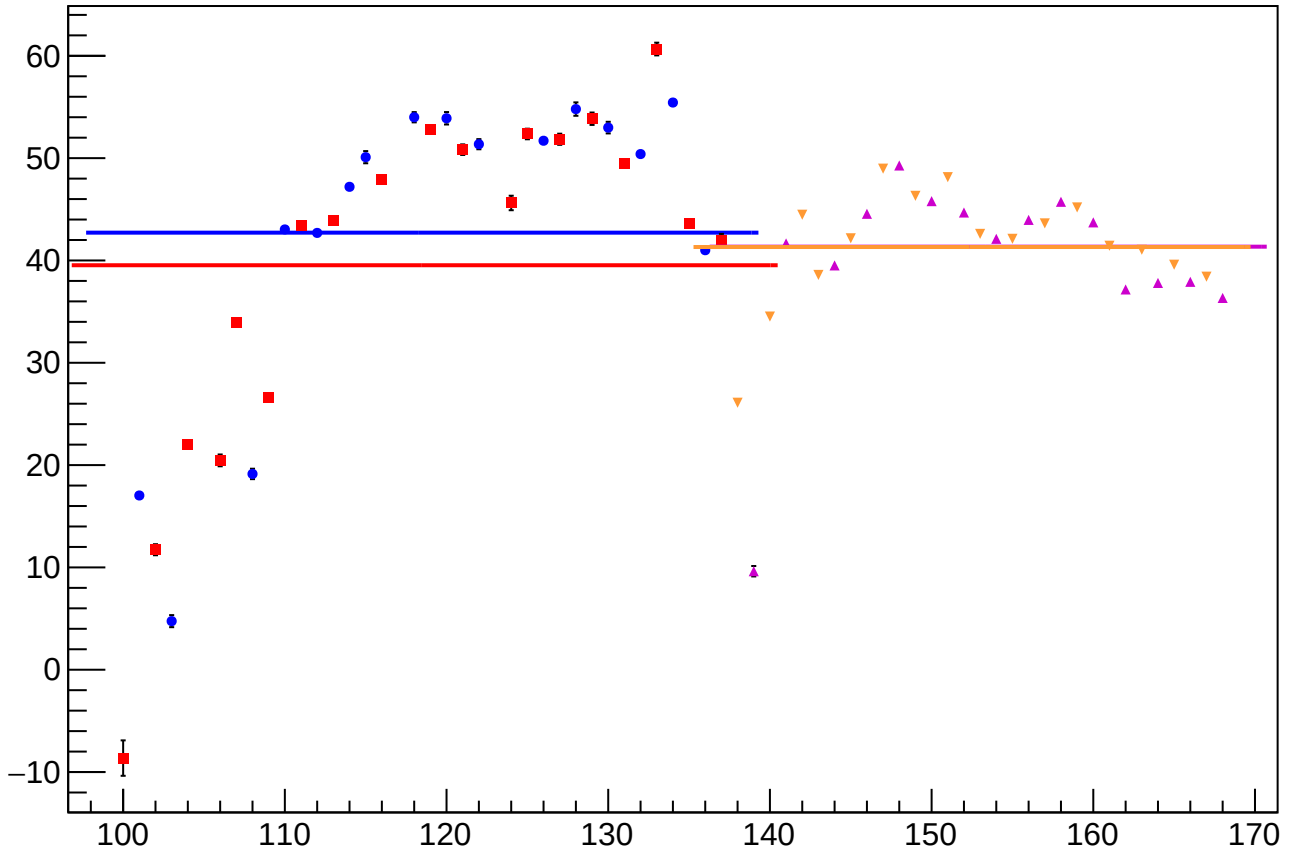
Left: -33.172+/-0.053 χ^2/NDF: 18295.6/30

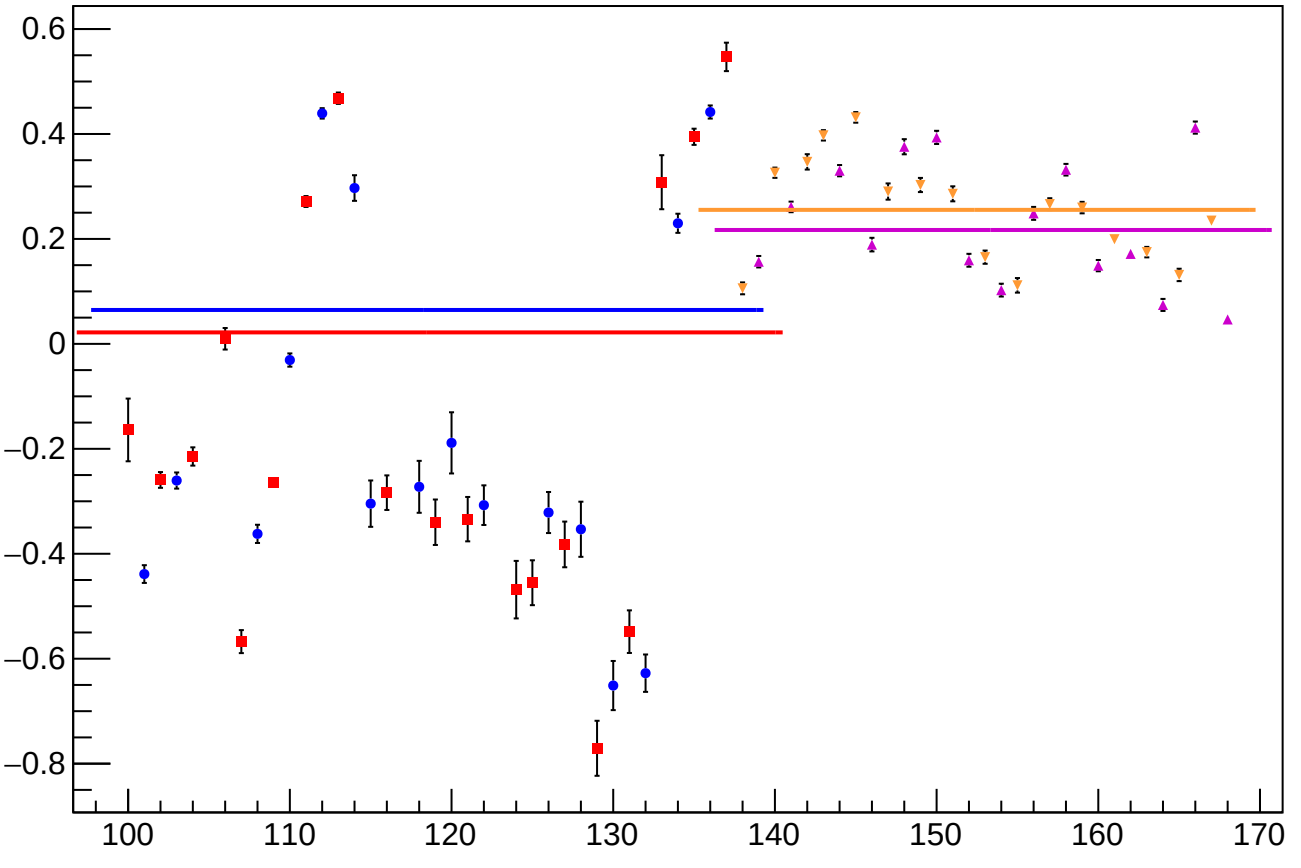
Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.812+/-0.053 χ^2/NDF:22068.1/30

Out: -34.380+/-0.049 χ^2/NDF:22578.3/34

All: -35.030+/-0.036 χ^2/NDF: 45041.4/65


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 42.718+/-0.085 χ²/NDF: 14765.0/15
Left Out: 41.314+/-0.062 χ²/NDF:6502.0/15
Right Out: 39.533+/-0.078 χ²/NDF: 17978.2/18
Left In: 41.348+/-0.065 χ²/NDF:7256.4/14
Left: 41.330+/-0.045 χ²/NDF: 13758.6/30
Right: 40.991+/-0.058 χ²/NDF: 33503.2/34
In: 41.851+/-0.052 χ²/NDF:22185.5/30
Out: 40.631+/-0.048 χ²/NDF:24800.2/34
All: 41.203+/-0.035 χ²/NDF: 47283.4/65



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.255+/-0.003 χ^2/NDF:1168.4/15

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.217+/-0.003 χ^2/NDF:1521.3/14

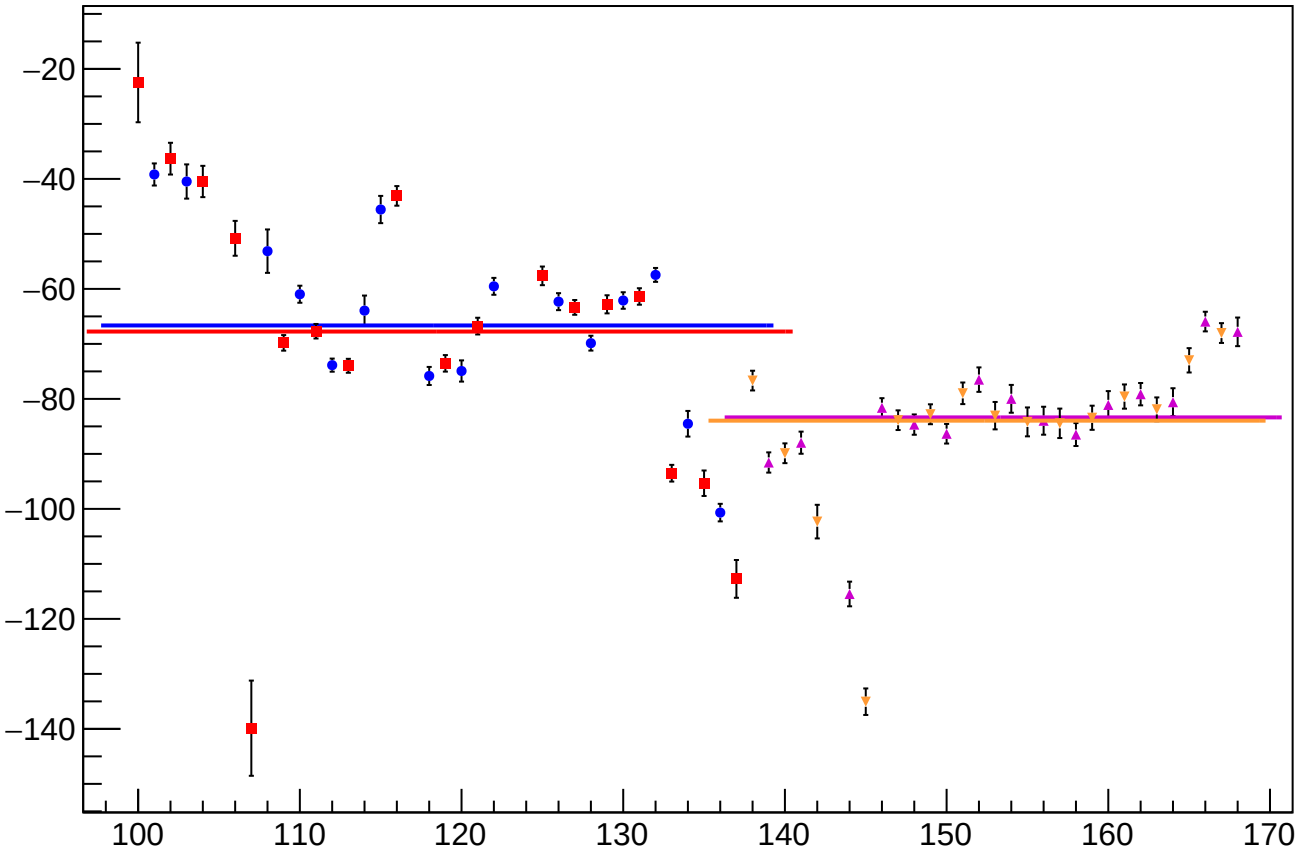
Left: 0.237+/-0.002 χ^2/NDF: 2778.6/30

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.177+/-0.002 χ^2/NDF:7747.3/30

Out: 0.186+/-0.002 χ^2/NDF:9571.2/34

All: 0.182+/-0.002 χ^2/NDF: 17326.6/65



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.958+/-0.545 χ^2/NDF:627.5/14

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -83.366+/-0.539 χ^2/NDF:385.2/14

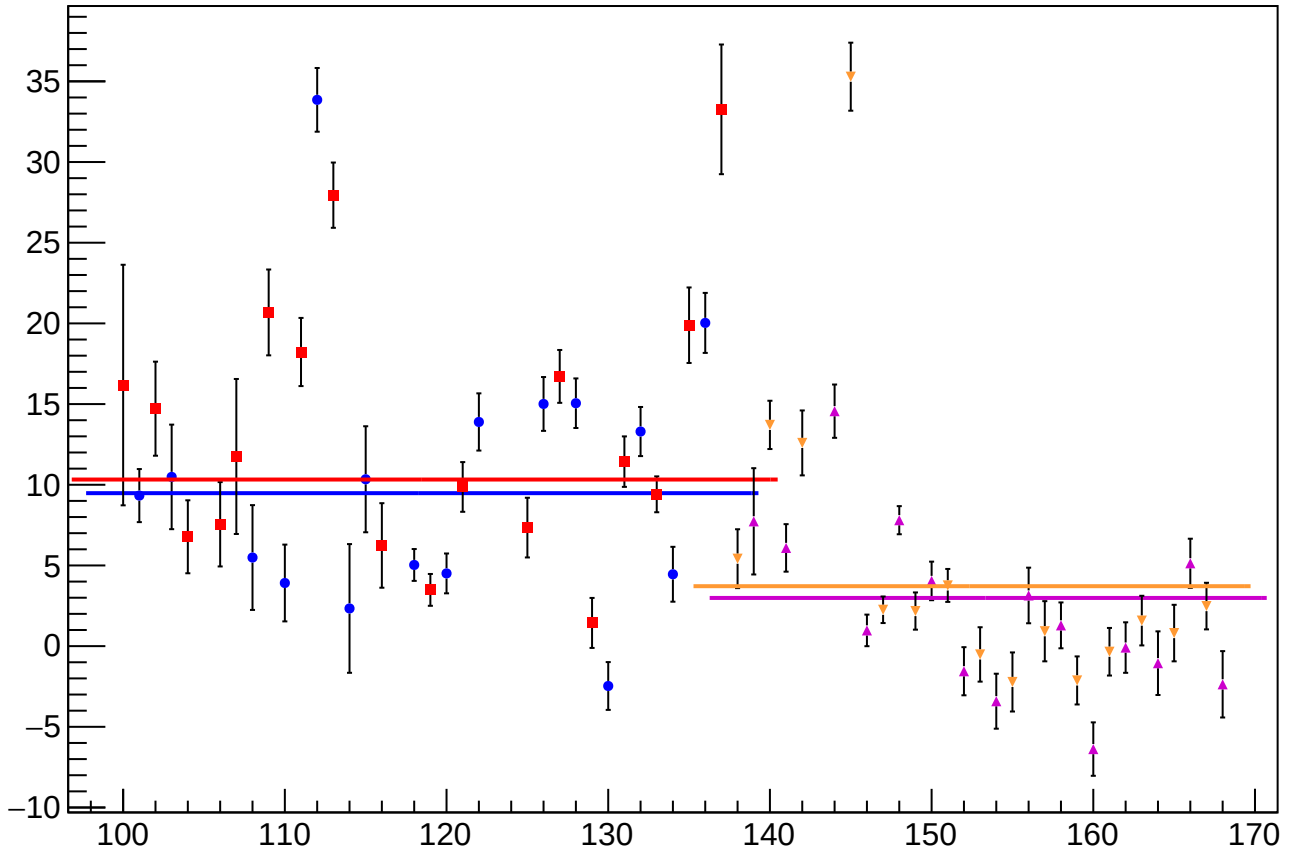
Left: -83.659+/-0.383 χ^2/NDF: 1013.3/29

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.074+/-0.334 χ^2/NDF:2029.3/30

Out: -73.777+/-0.333 χ^2/NDF:2437.4/32

All: -73.427+/-0.236 χ^2/NDF: 4468.9/63



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.714+/-0.365 χ^2/NDF:341.6/14

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 2.987+/-0.370 χ^2/NDF:164.9/14

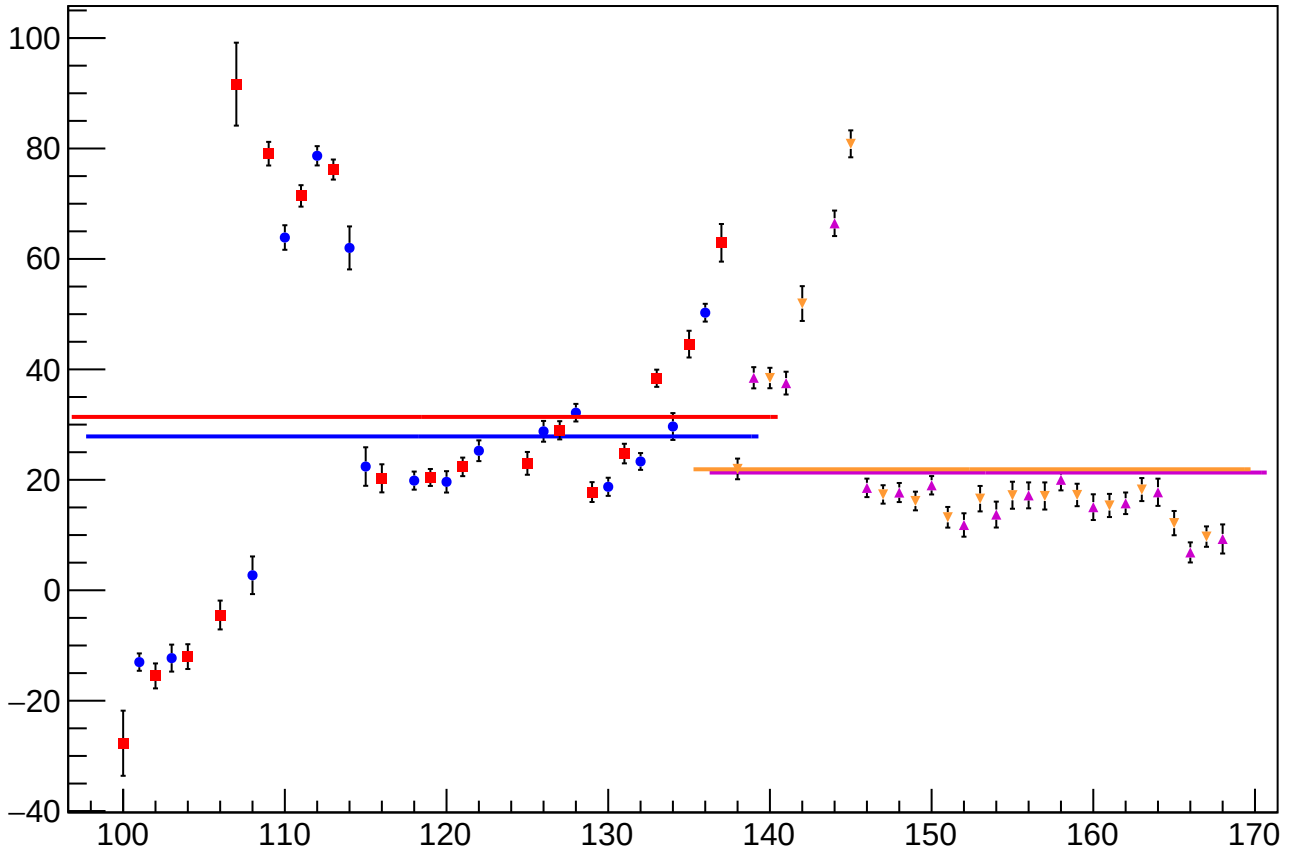
Left: 3.355+/-0.260 χ^2/NDF: 508.5/29

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.762+/-0.280 χ^2/NDF:638.5/30

Out: 6.445+/-0.280 χ^2/NDF:740.2/32

All: 6.104+/-0.198 χ^2/NDF: 1381.6/63



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.910+/-0.530 χ^2/NDF:888.8/14

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 21.319+/-0.523 χ^2/NDF:668.3/14

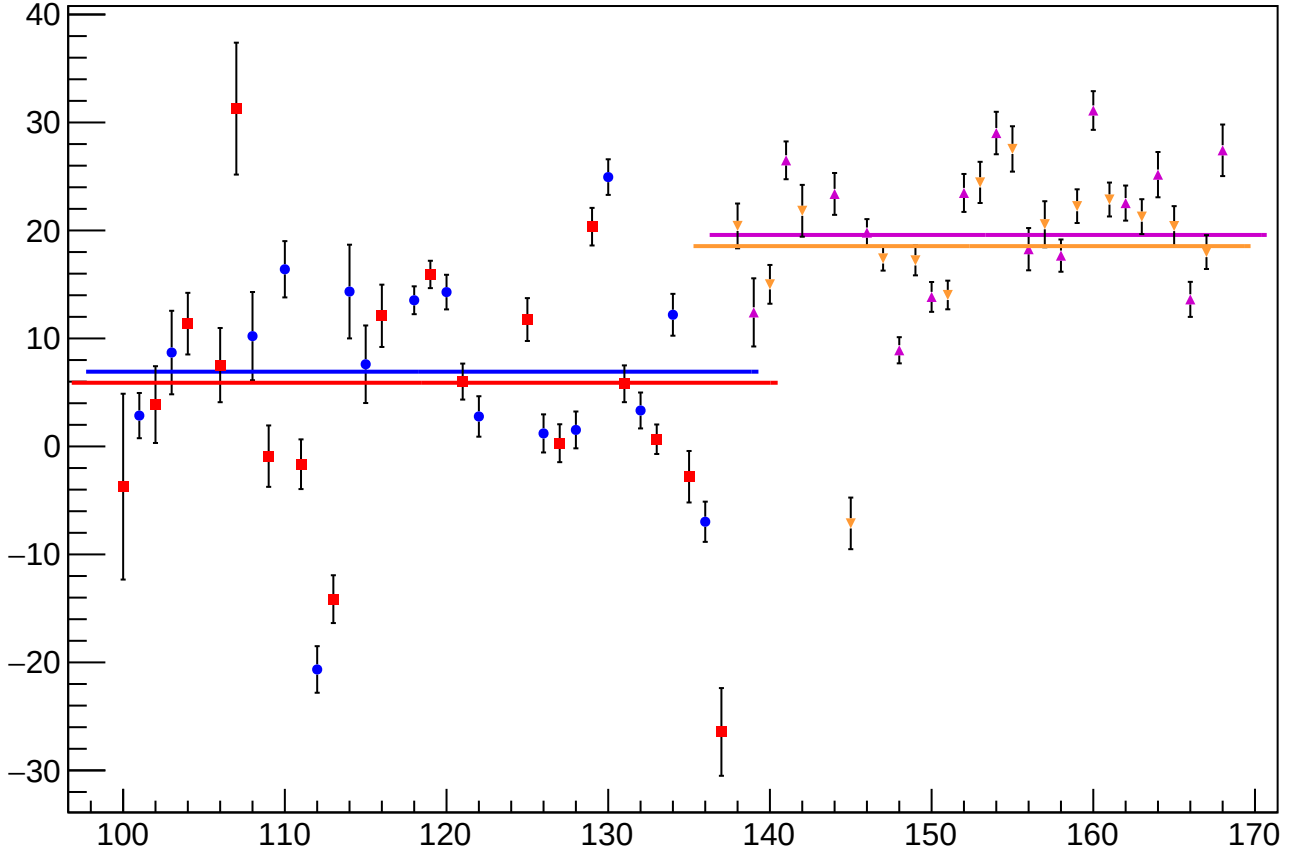
Left: 21.610+/-0.372 χ^2/NDF: 1557.7/29

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 24.851+/-0.355 χ^2/NDF:3226.8/30

Out: 27.045+/-0.359 χ^2/NDF:4073.7/32

All: 25.935+/-0.252 χ^2/NDF: 7319.4/63



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.550+/-0.431 χ^2/NDF:181.5/14

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.584+/-0.434 χ^2/NDF:225.6/14

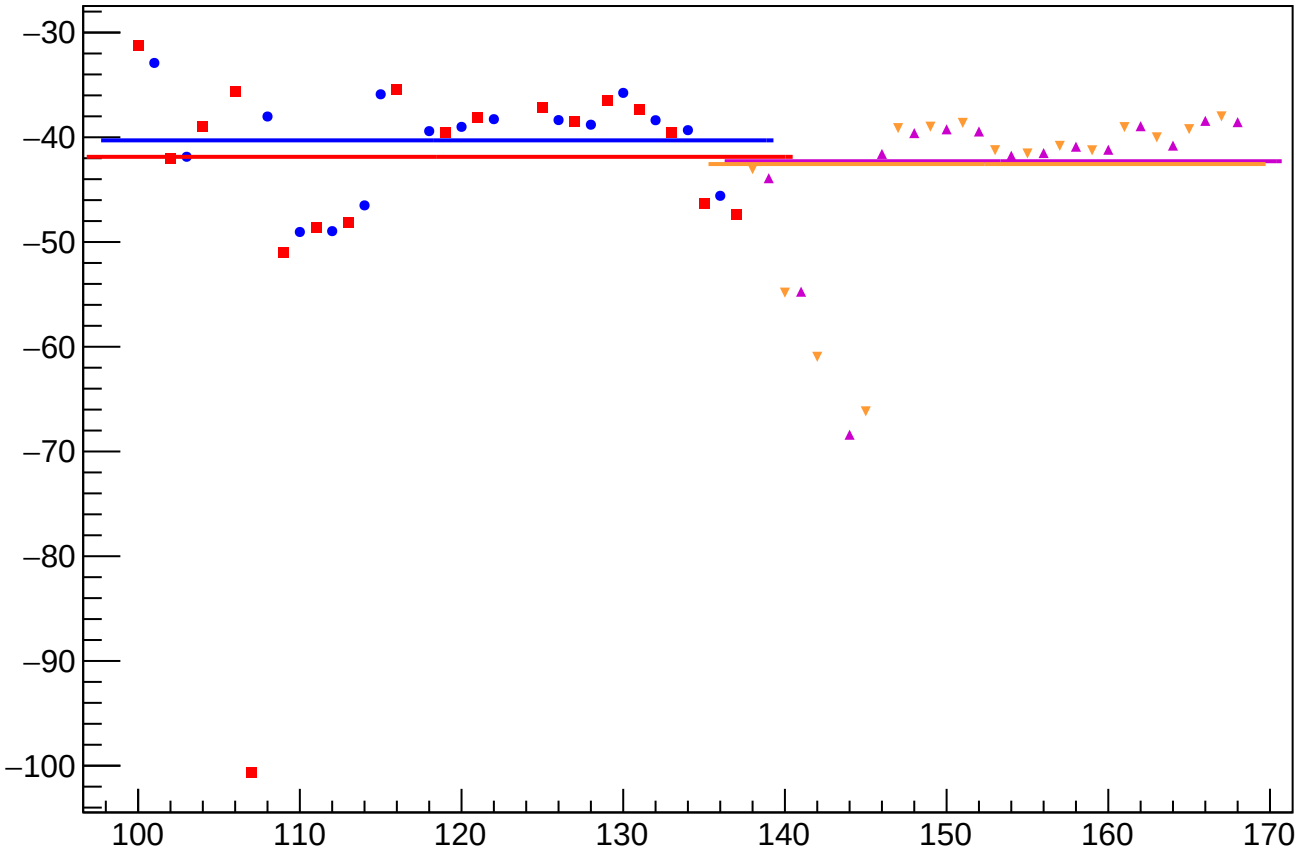
Left: 19.063+/-0.306 χ^2/NDF: 410.0/29

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.086+/-0.327 χ^2/NDF:1039.3/30

Out: 13.180+/-0.327 χ^2/NDF:915.3/32

All: 13.633+/-0.231 χ^2/NDF: 1958.4/63



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -42.556+/-0.020 χ^2/NDF:121034.1/14

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -42.287+/-0.020 χ^2/NDF:98270.1/14

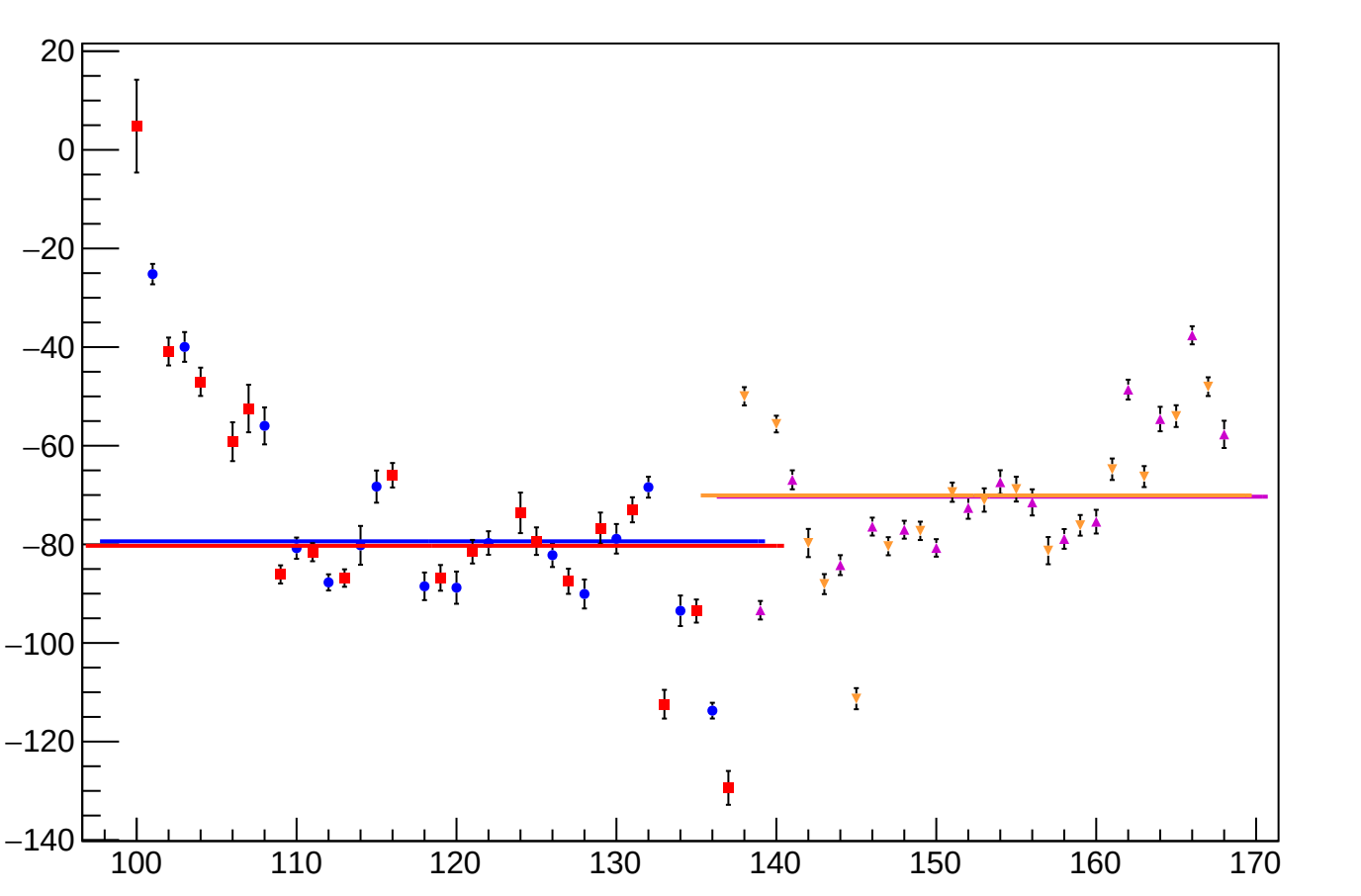
Left: -42.419+/-0.014 χ^2/NDF: 219394.9/29

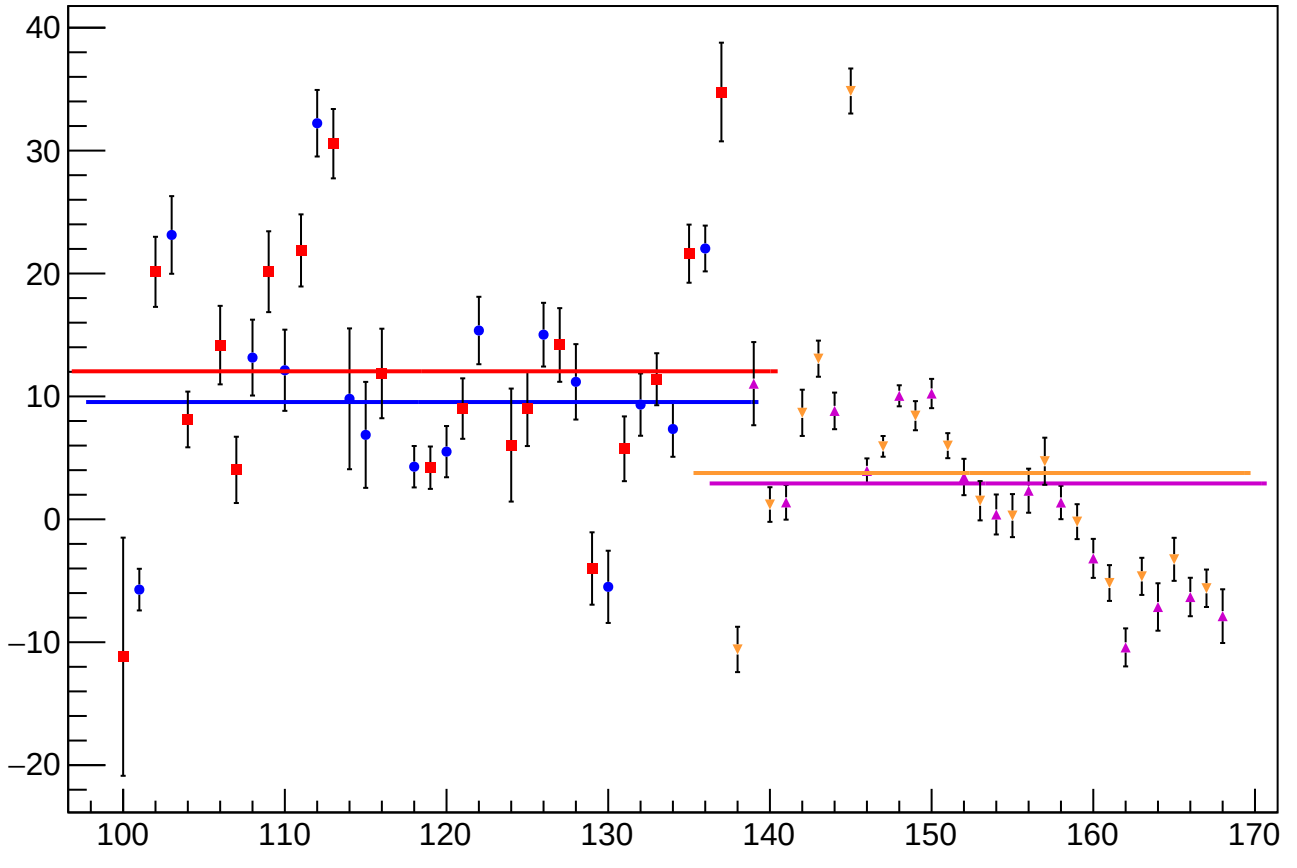
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

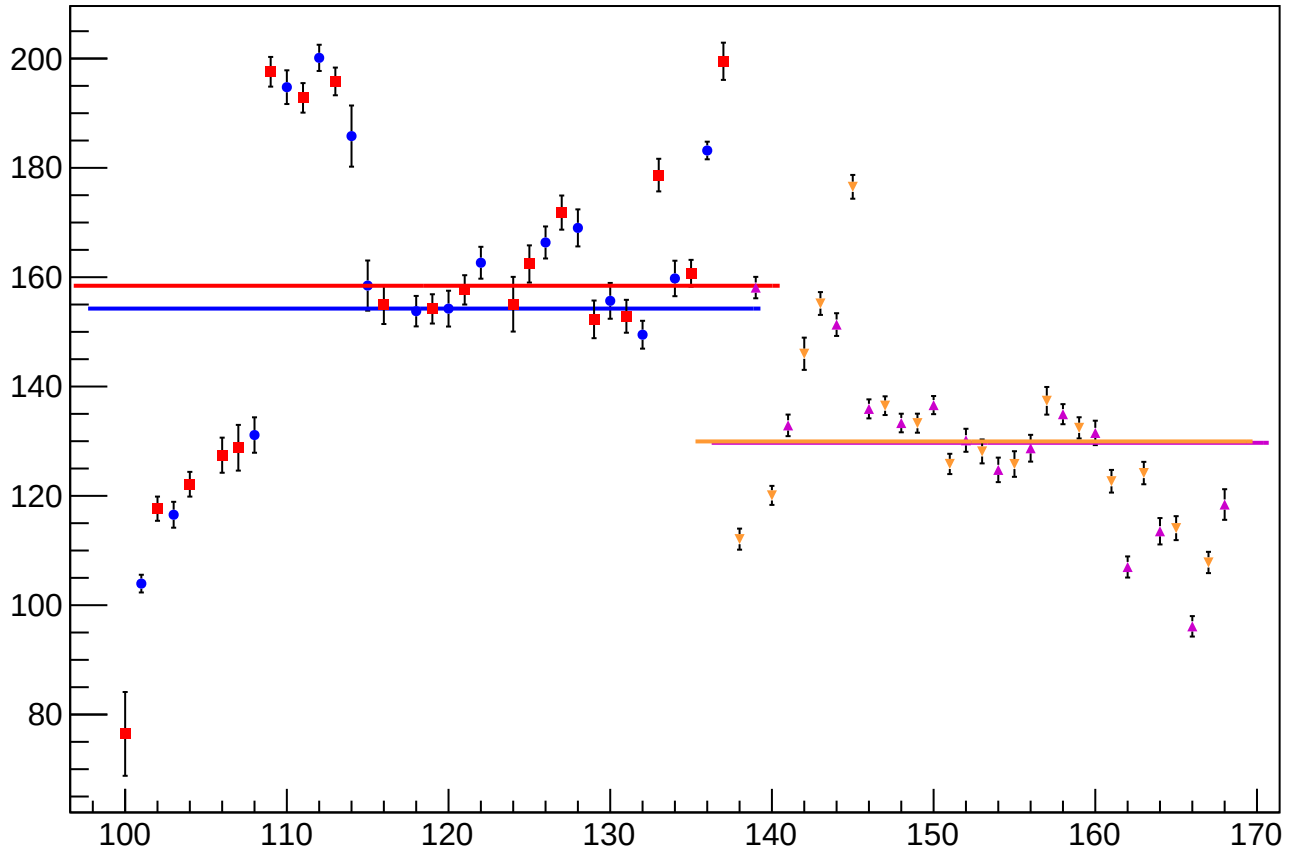
In: -41.720+/-0.017 χ^2/NDF:121818.9/30

Out: -42.361+/-0.017 χ^2/NDF:180098.8/32

All: -42.034+/-0.012 χ^2/NDF: 302635.1/63


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -70.077+/-0.521 χ²/NDF:921.7/15
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -70.337+/-0.534 χ²/NDF:781.2/14
Left: -70.204+/-0.373 χ²/NDF: 1703.1/30
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -74.256+/-0.402 χ²/NDF:2381.3/30
Out: -74.435+/-0.395 χ²/NDF:2000.5/34
All: -74.347+/-0.282 χ²/NDF: 4381.8/65


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 3.768+/-0.352 χ²/NDF:562.1/15
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.919+/-0.366 χ²/NDF:310.3/14
Left: 3.360+/-0.254 χ²/NDF: 875.1/30
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.625+/-0.315 χ²/NDF:661.7/30
Out: 5.704+/-0.308 χ²/NDF:887.3/34
All: 5.177+/-0.220 χ²/NDF: 1555.0/65



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.956+/-0.508 χ^2/NDF:990.7/15

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 129.705+/-0.518 χ^2/NDF:891.0/14

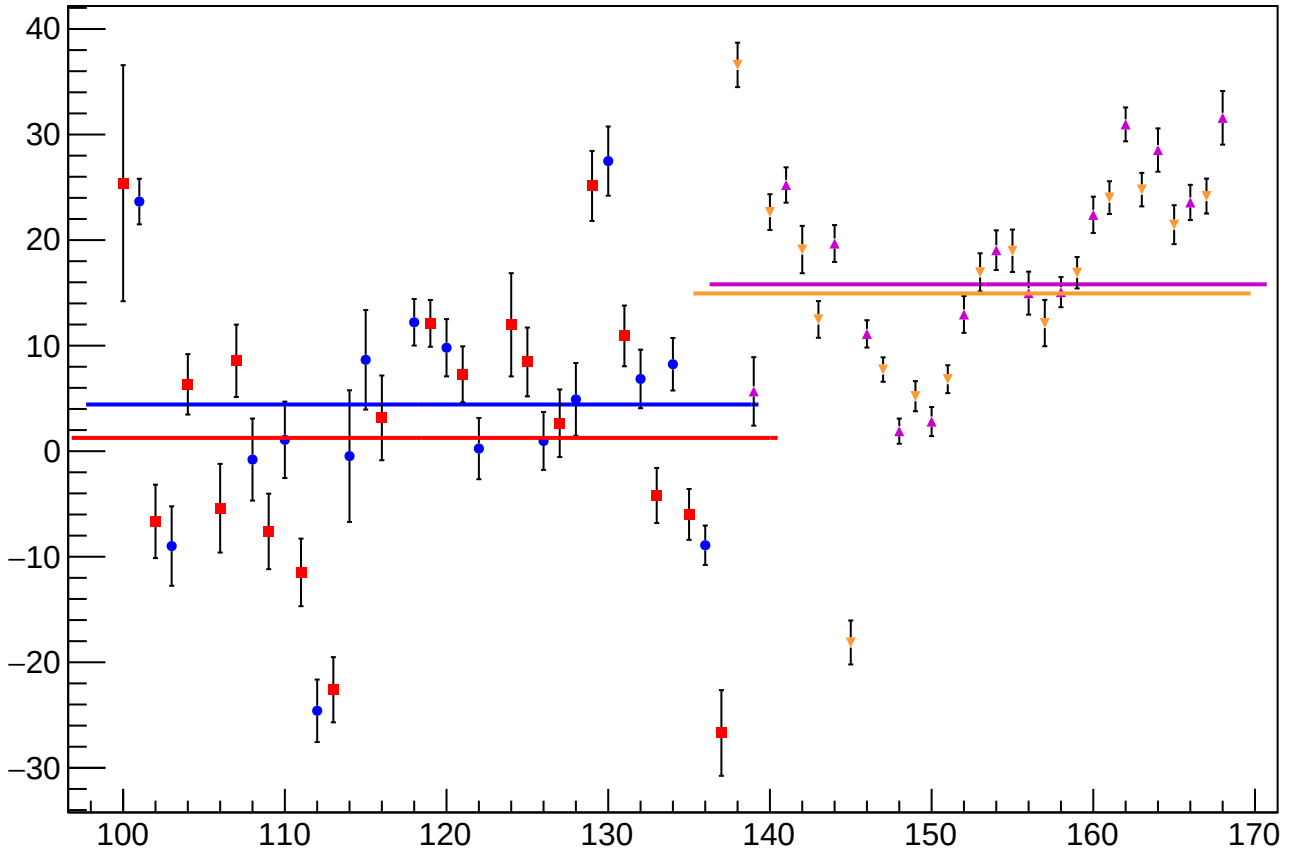
Left: 129.833+/-0.363 χ^2/NDF: 1881.8/30

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 139.031+/-0.408 χ^2/NDF:3958.6/30

Out: 140.111+/-0.408 χ^2/NDF:3775.0/34

All: 139.571+/-0.288 χ^2/NDF: 7737.1/65



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.946+/-0.414 χ^2/NDF:632.3/15

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.809+/-0.429 χ^2/NDF:493.3/14

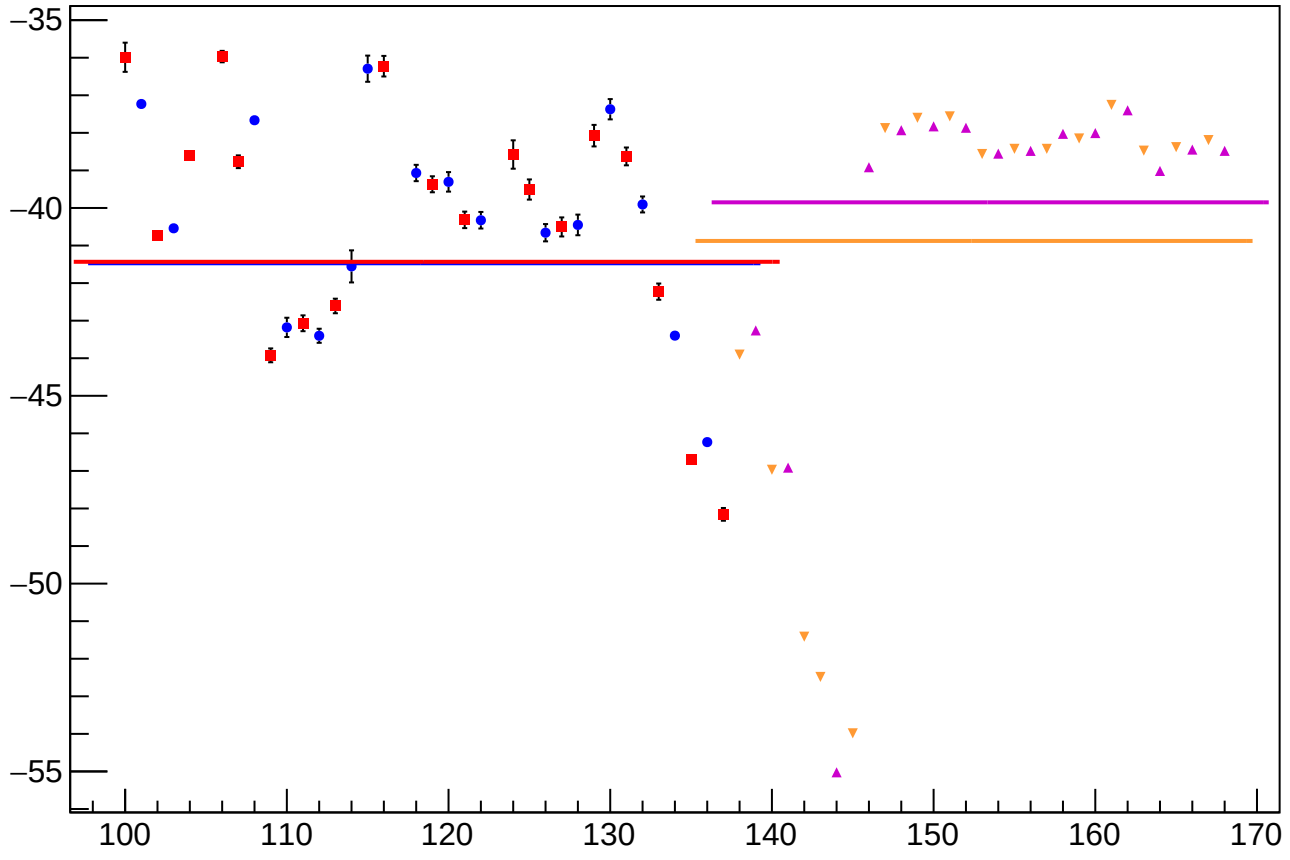
Left: 15.362+/-0.298 χ^2/NDF: 1127.7/30

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.787+/-0.368 χ^2/NDF:996.2/30

Out: 11.624+/-0.360 χ^2/NDF:1162.1/34

All: 12.194+/-0.257 χ^2/NDF: 2163.4/65



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.878+/-0.019 χ^2/NDF:72281.4/15

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.850+/-0.020 χ^2/NDF:42845.6/14

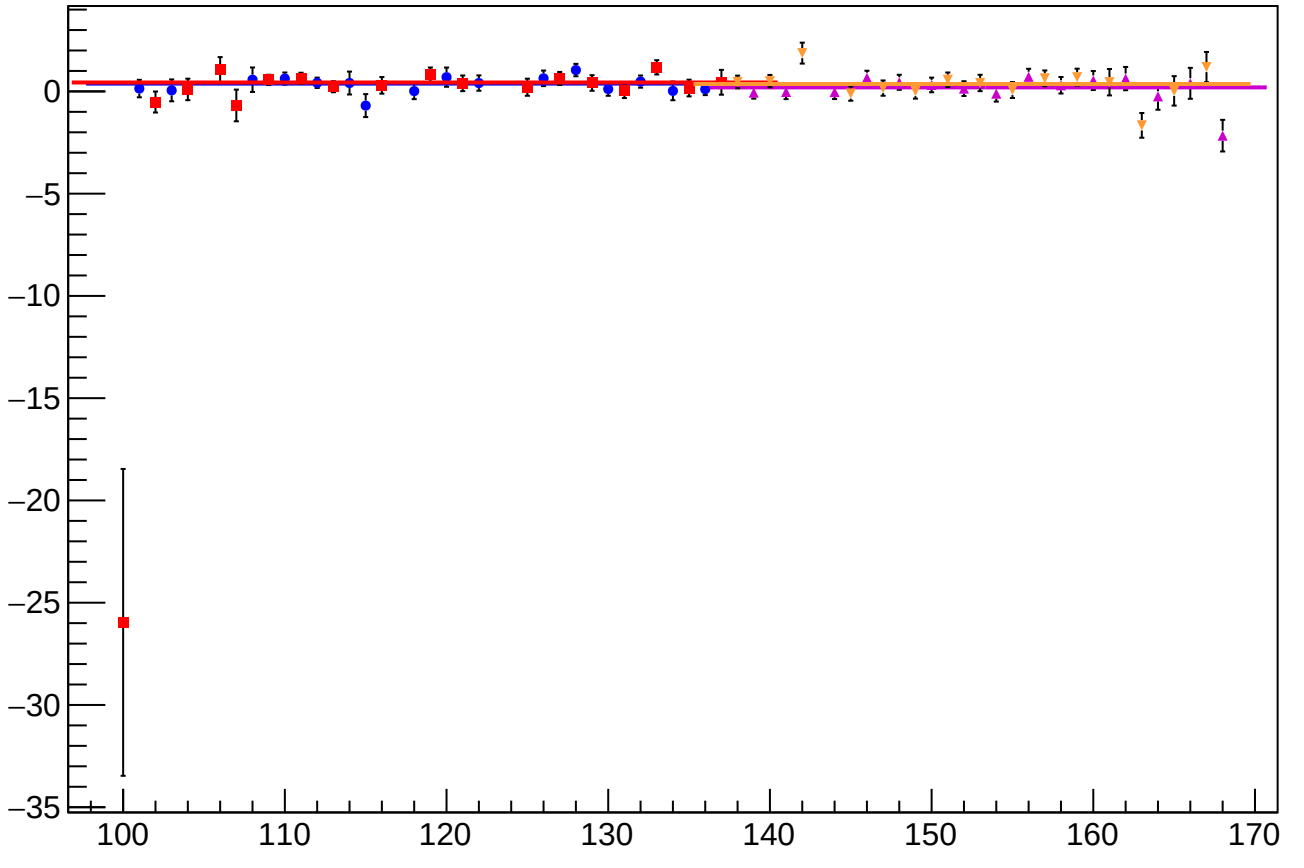
Left: -40.368+/-0.014 χ^2/NDF: 116509.5/30

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.190+/-0.017 χ^2/NDF:52189.1/30

Out: -40.986+/-0.017 χ^2/NDF:80665.7/34

All: -40.588+/-0.012 χ^2/NDF: 133894.6/65



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.362+/-0.106 χ^2/NDF:26.7/14

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.196+/-0.104 χ^2/NDF:17.5/14

Left: 0.277+/-0.074 χ^2/NDF: 45.4/29

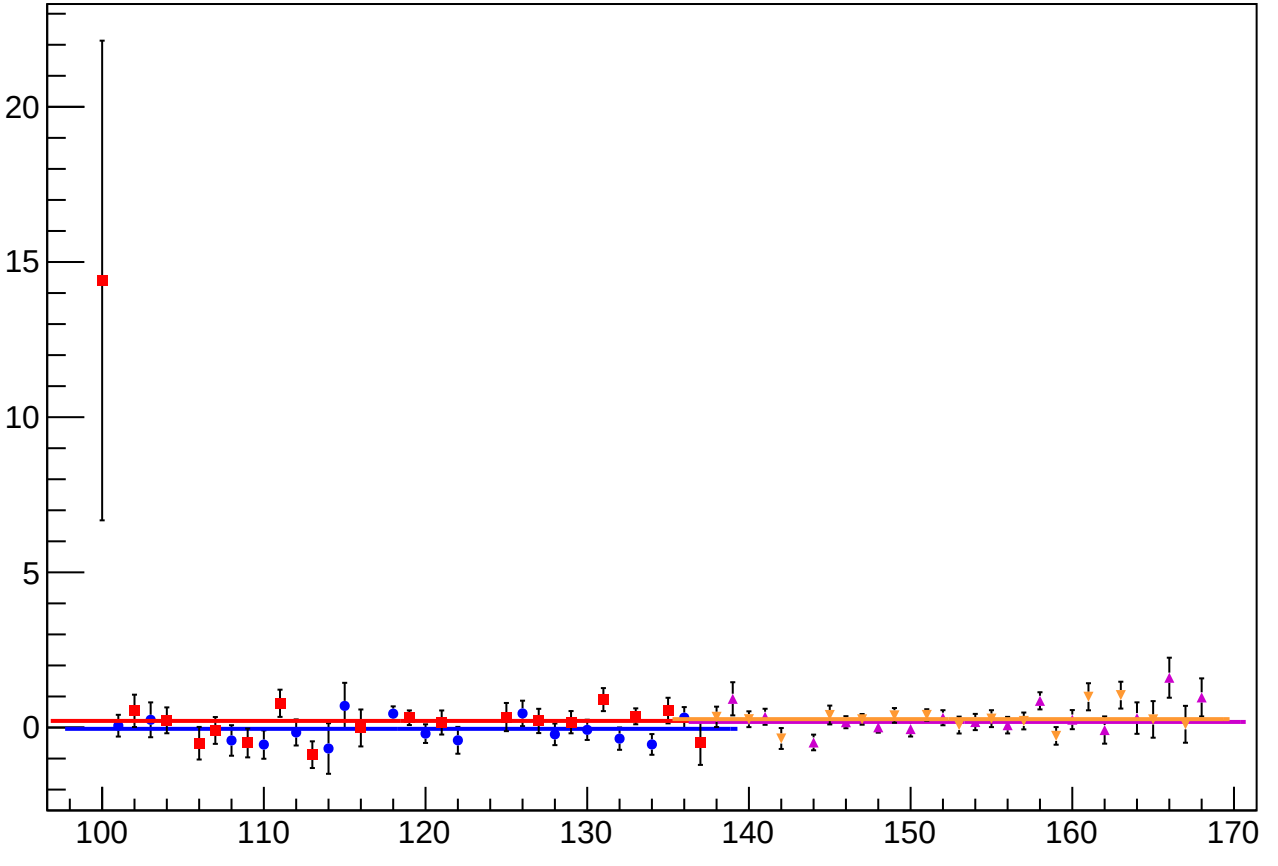
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.300+/-0.069 χ^2/NDF:33.3/30

Out: 0.405+/-0.069 χ^2/NDF:56.0/32

All: 0.353+/-0.049 χ^2/NDF: 90.4/63

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.270+/-0.072 χ^2/NDF:14.6/14

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.180+/-0.072 χ^2/NDF:24.7/14

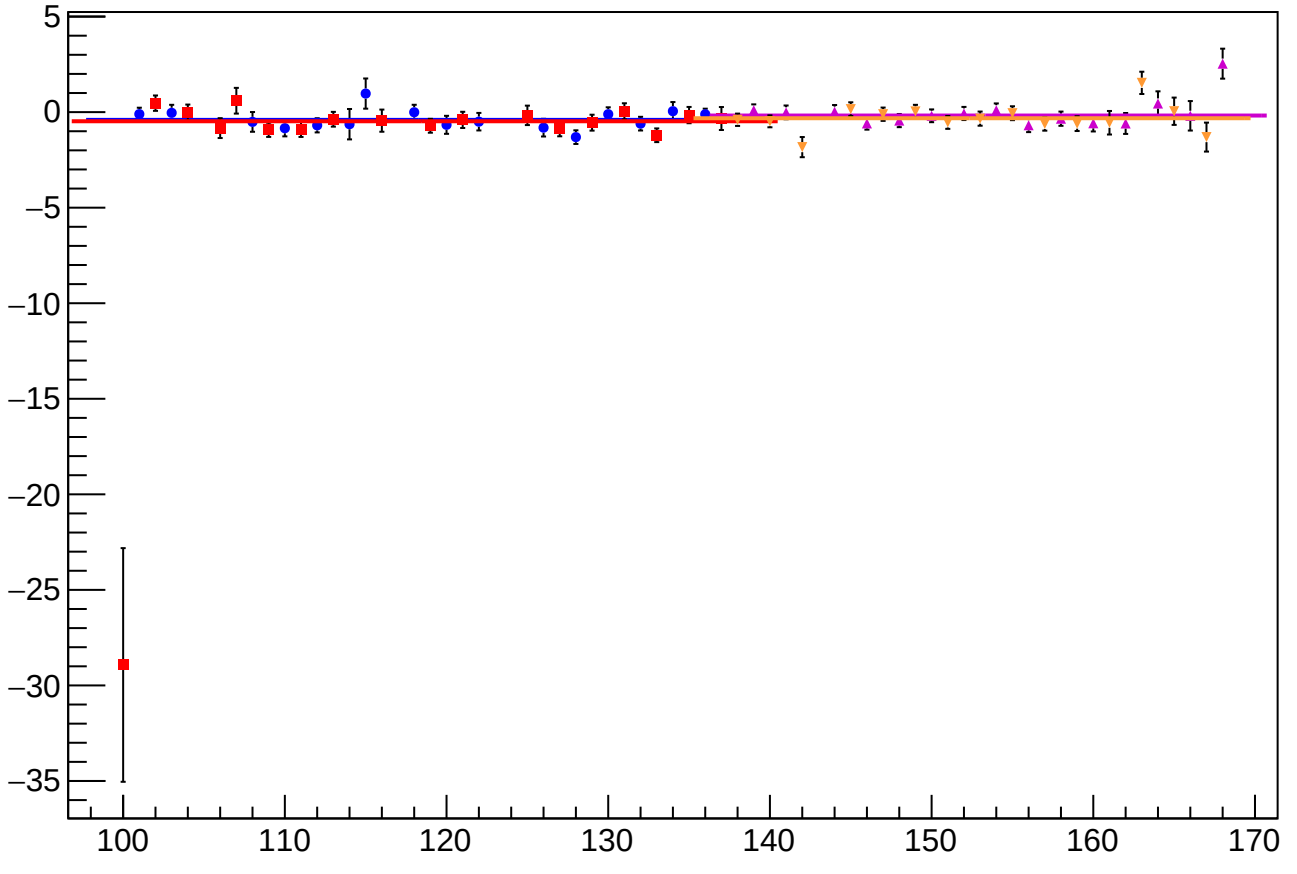
Left: 0.225+/-0.051 χ^2/NDF: 40.0/29

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.098+/-0.057 χ^2/NDF:43.2/30

Out: 0.249+/-0.057 χ^2/NDF:37.2/32

All: 0.174+/-0.040 χ^2/NDF: 84.0/63



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.320+/-0.102 χ^2/NDF:26.1/14

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.179+/-0.101 χ^2/NDF:20.8/14

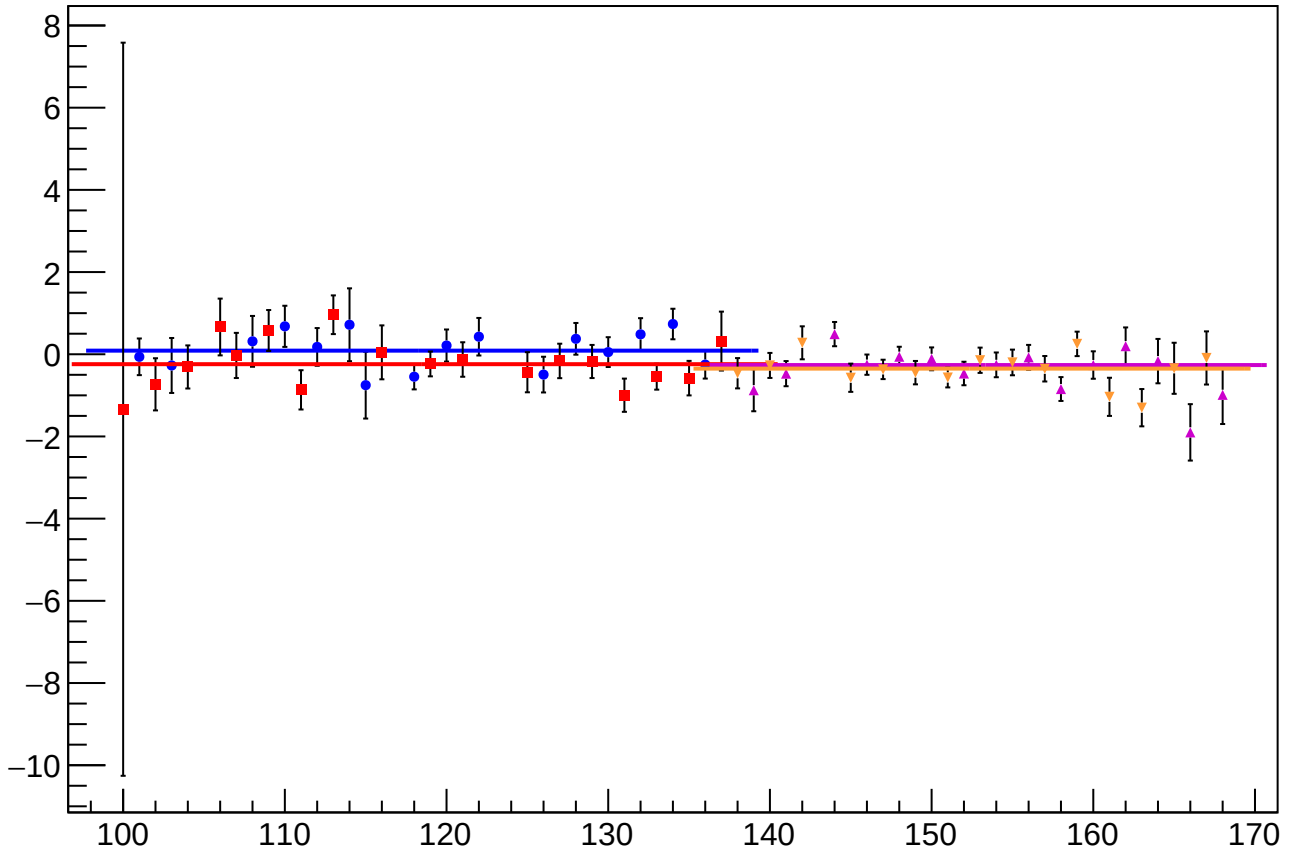
Left: -0.248+/-0.072 χ^2/NDF: 47.8/29

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.289+/-0.072 χ^2/NDF:41.0/30

Out: -0.397+/-0.073 χ^2/NDF:69.5/32

All: -0.343+/-0.051 χ^2/NDF: 111.6/63



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.349+/-0.085 χ^2/NDF:15.5/14

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.263+/-0.085 χ^2/NDF:22.1/14

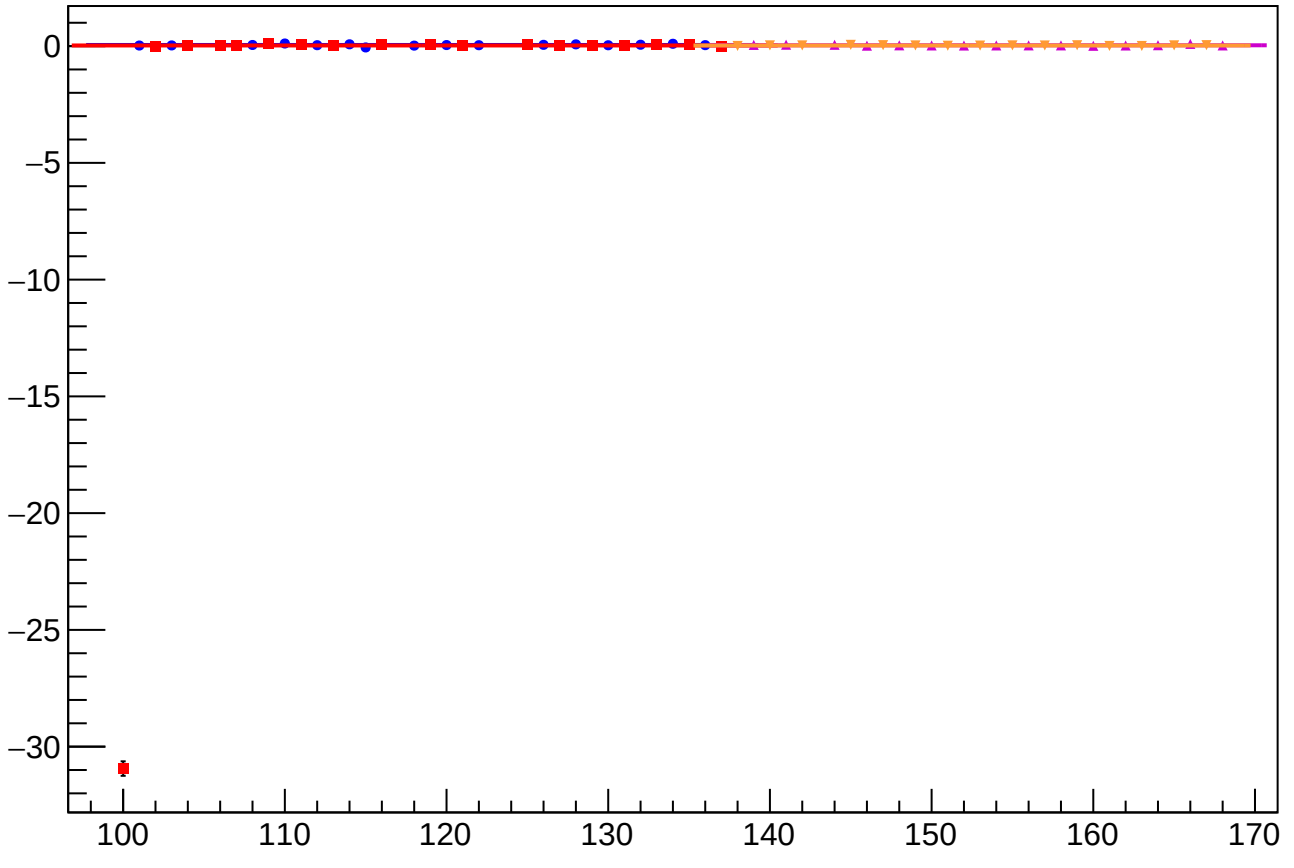
Left: -0.306+/-0.060 χ^2/NDF: 38.1/29

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.130+/-0.067 χ^2/NDF:44.5/30

Out: -0.309+/-0.067 χ^2/NDF:35.7/32

All: -0.218+/-0.047 χ^2/NDF: 83.7/63



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.6/14

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.036+/-0.004 χ^2/NDF:15.9/14

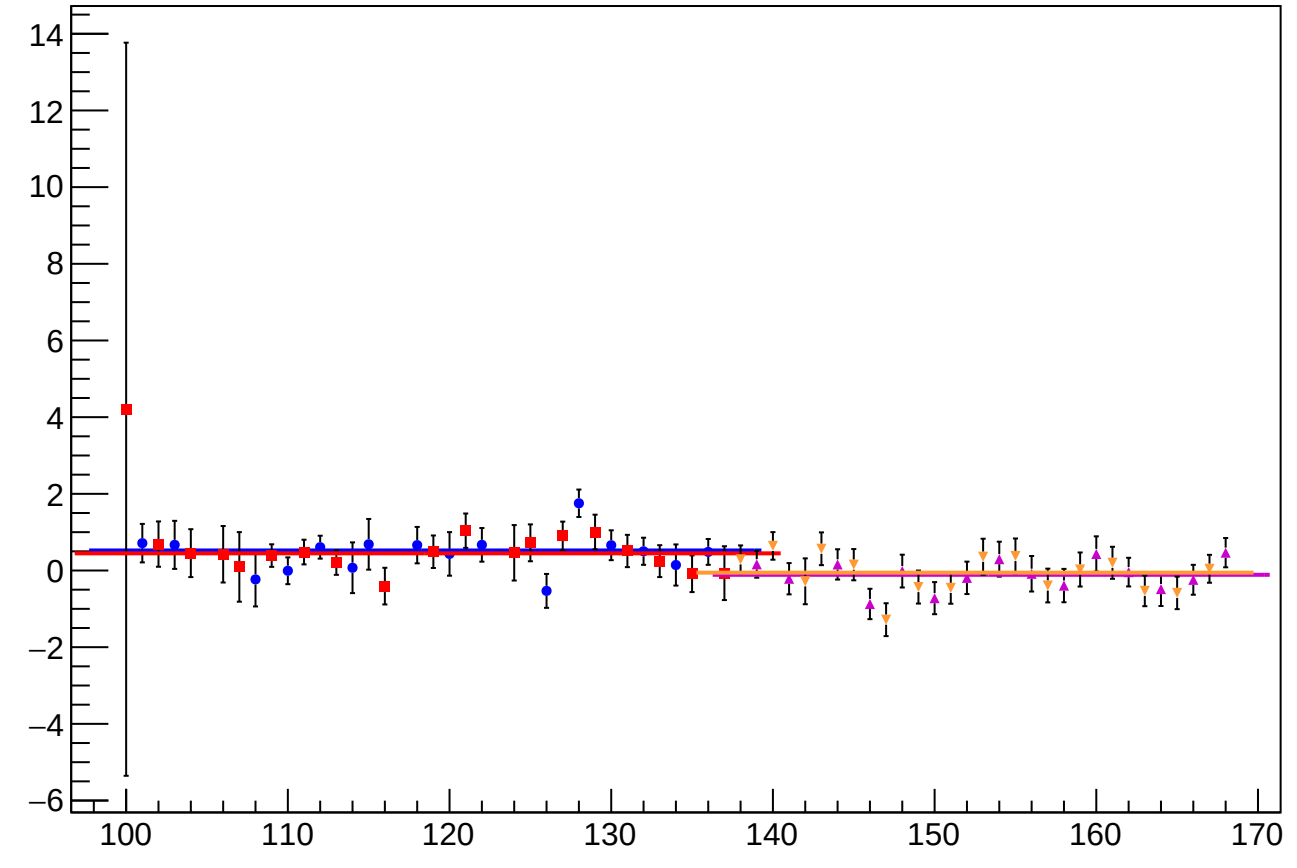
Left: 0.032+/-0.003 χ^2/NDF: 29.0/29

Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:38.2/30

Out: 0.027+/-0.003 χ^2/NDF:10031.6/32

All: 0.033+/-0.002 χ^2/NDF: 10076.2/63



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.056+/-0.105 χ^2/NDF:22.8/15

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.112+/-0.106 χ^2/NDF:12.8/14

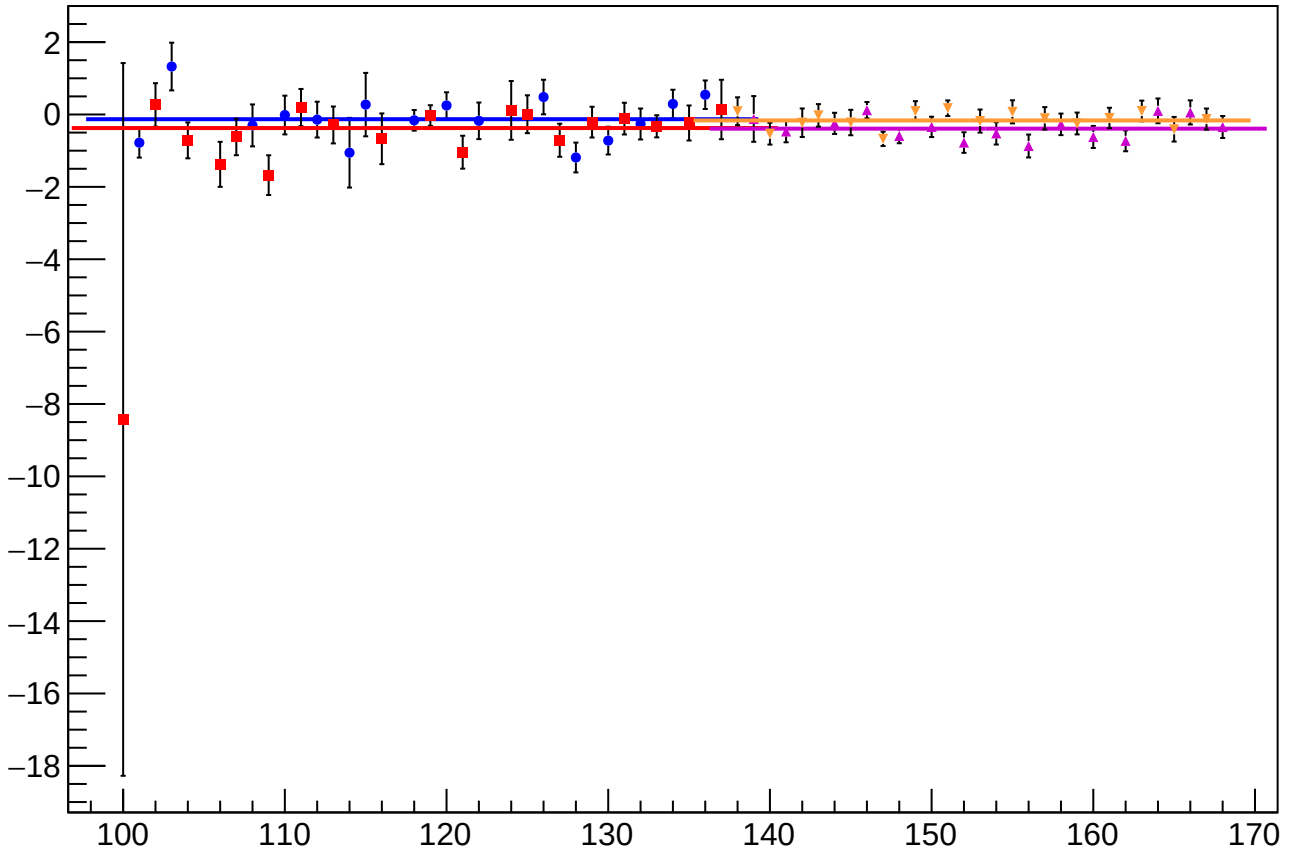
Left: -0.084+/-0.075 χ^2/NDF: 35.7/30

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.198+/-0.076 χ^2/NDF:52.9/30

Out: 0.195+/-0.074 χ^2/NDF:45.7/34

All: 0.197+/-0.053 χ^2/NDF: 98.6/65



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.164+/-0.073 χ^2/NDF:14.2/15

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.391+/-0.075 χ^2/NDF:17.0/14

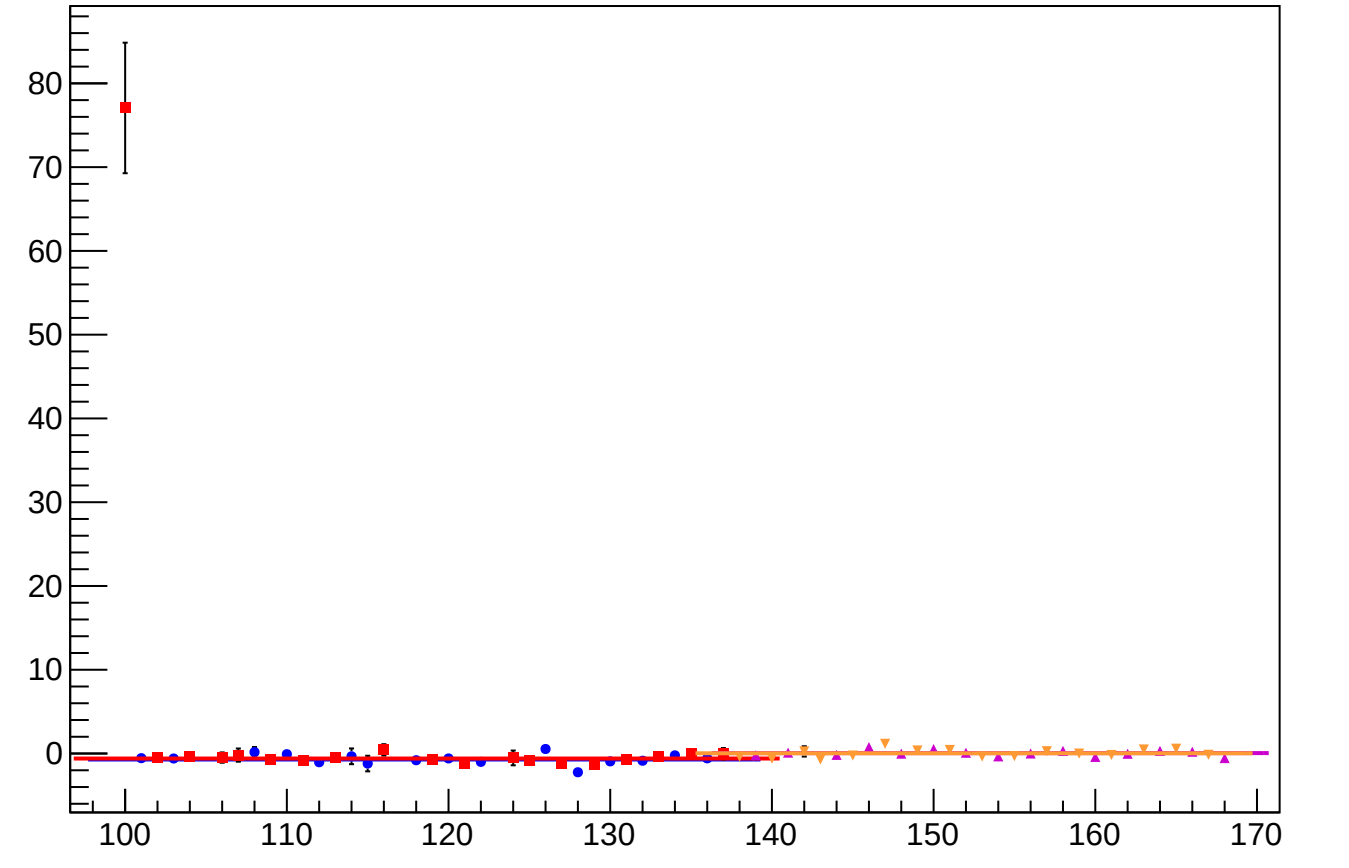
Left: -0.274+/-0.052 χ^2/NDF: 35.9/30

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.310+/-0.062 χ^2/NDF:45.3/30

Out: -0.227+/-0.061 χ^2/NDF:35.0/34

All: -0.268+/-0.044 χ^2/NDF: 81.2/65



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.029+/-0.102 χ^2/NDF:22.9/15

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.050+/-0.103 χ^2/NDF:11.4/14

Left: 0.039+/-0.073 χ^2/NDF: 34.2/30

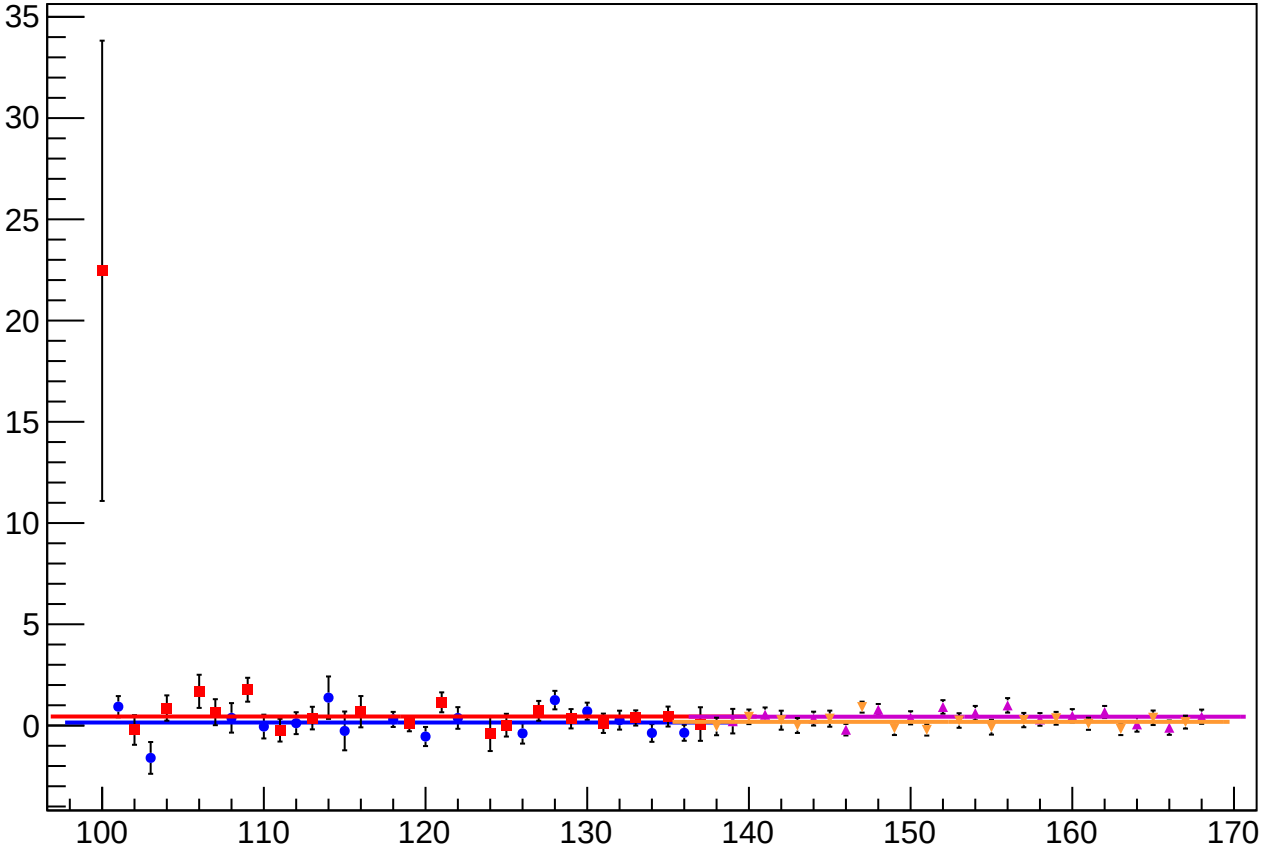
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.269+/-0.079 χ^2/NDF:59.1/30

Out: -0.231+/-0.078 χ^2/NDF:149.3/34

All: -0.250+/-0.055 χ^2/NDF: 208.6/65

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.181+/-0.085 χ^2/NDF:14.1/15

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.435+/-0.087 χ^2/NDF:15.9/14

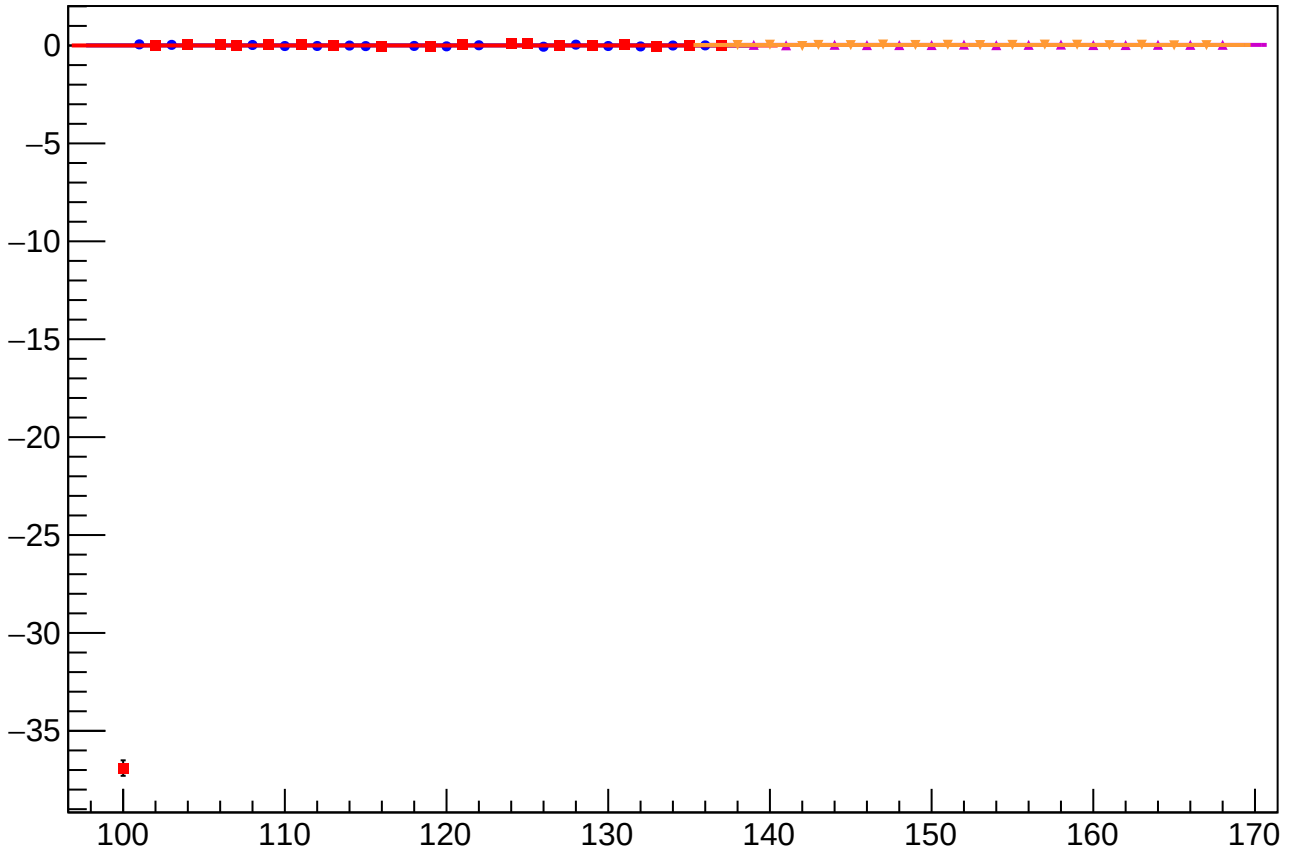
Left: 0.305+/-0.061 χ^2/NDF: 34.3/30

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.344+/-0.072 χ^2/NDF:42.6/30

Out: 0.261+/-0.071 χ^2/NDF:36.8/34

All: 0.302+/-0.050 χ^2/NDF: 80.0/65



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.004 χ^2/NDF:13.3/15

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.031+/-0.004 χ^2/NDF:5.8/14

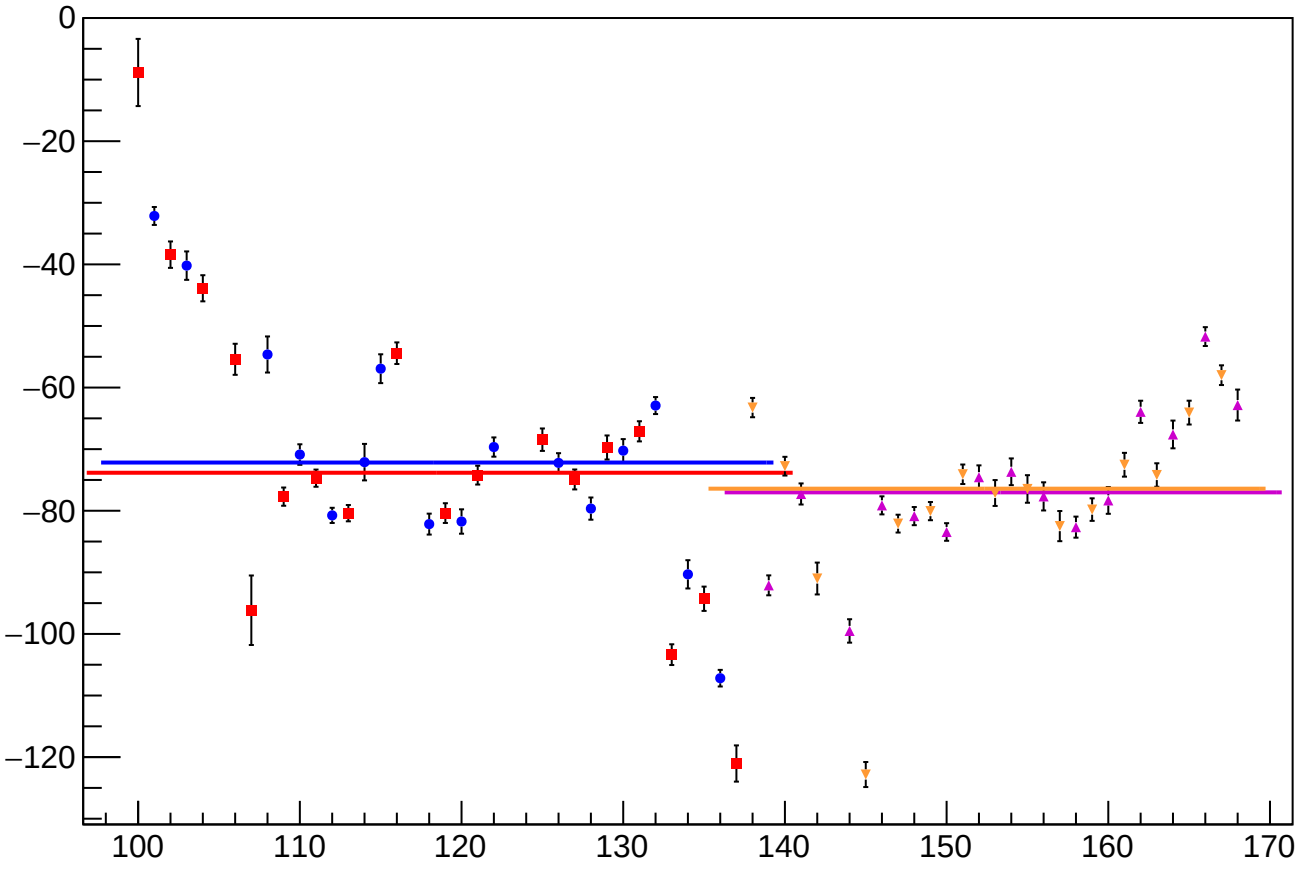
Left: 0.029+/-0.003 χ^2/NDF: 19.5/30

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.026+/-0.003 χ^2/NDF:32.4/30

Out: 0.022+/-0.003 χ^2/NDF:8775.8/34

All: 0.024+/-0.002 χ^2/NDF: 8808.7/65



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -76.415+/-0.463 χ^2/NDF:841.4/14

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -77.016+/-0.460 χ^2/NDF:646.7/14

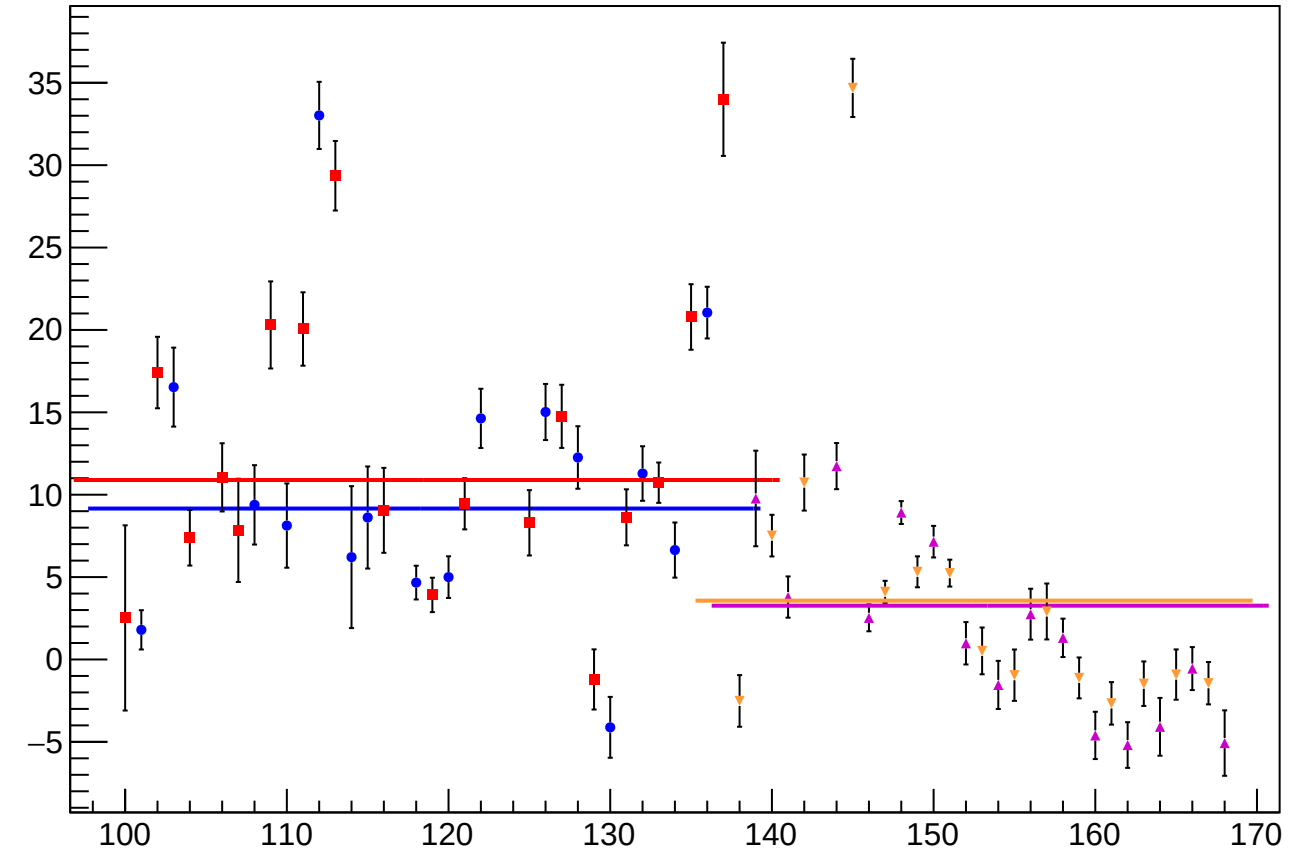
Left: -76.718+/-0.326 χ^2/NDF: 1489.0/29

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -74.445+/-0.315 χ^2/NDF:2641.7/30

Out: -75.028+/-0.315 χ^2/NDF:2415.8/32

All: -74.736+/-0.223 χ^2/NDF: 5059.2/63



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.571+/-0.306 χ^2/NDF:449.4/14

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 3.265+/-0.311 χ^2/NDF:253.3/14

Left: 3.420+/-0.218 χ^2/NDF: 703.2/29

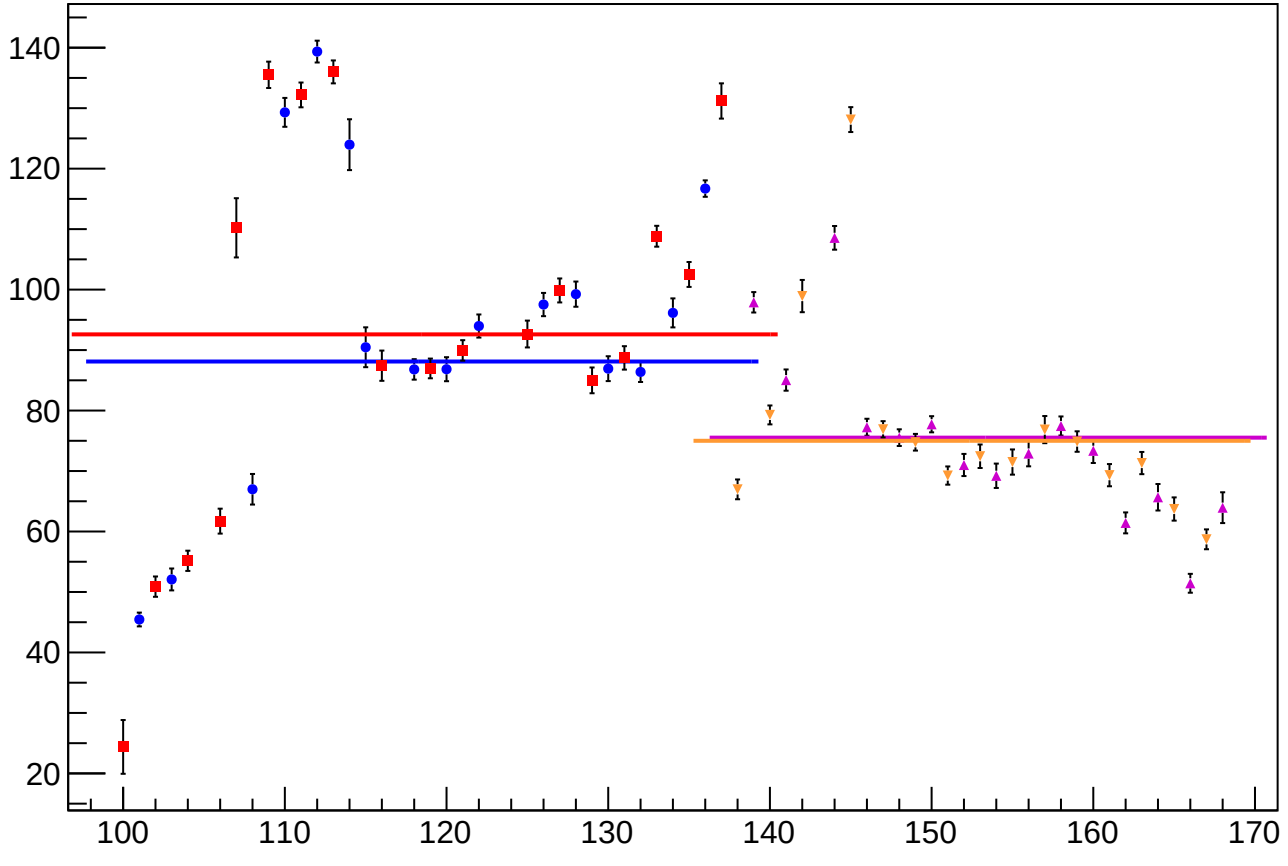
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 5.321+/-0.251 χ^2/NDF:730.7/30

Out: 5.957+/-0.251 χ^2/NDF:926.1/32

All: 5.639+/-0.178 χ^2/NDF: 1660.0/63

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: 75.000+/-0.449 χ^2/NDF:946.1/14

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.519+/-0.445 χ^2/NDF:859.7/14

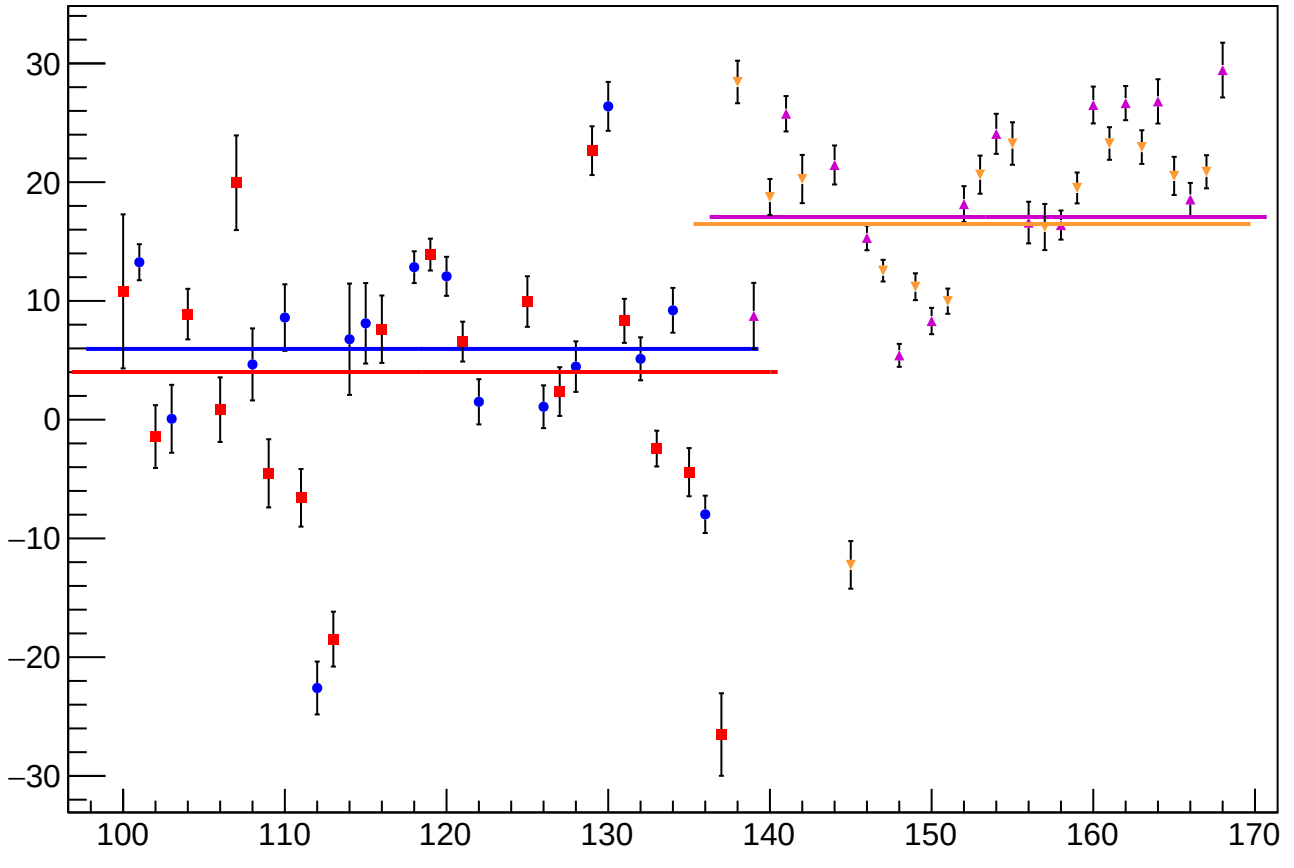
Left: 75.262+/-0.316 χ^2/NDF: 1806.5/29

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 81.485+/-0.323 χ^2/NDF:4801.2/30

Out: 83.163+/-0.329 χ^2/NDF:4868.3/32

All: 82.307+/-0.230 χ^2/NDF: 9682.7/63



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.475+/-0.363 χ^2/NDF:420.9/14

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 17.066+/-0.367 χ^2/NDF:417.5/14

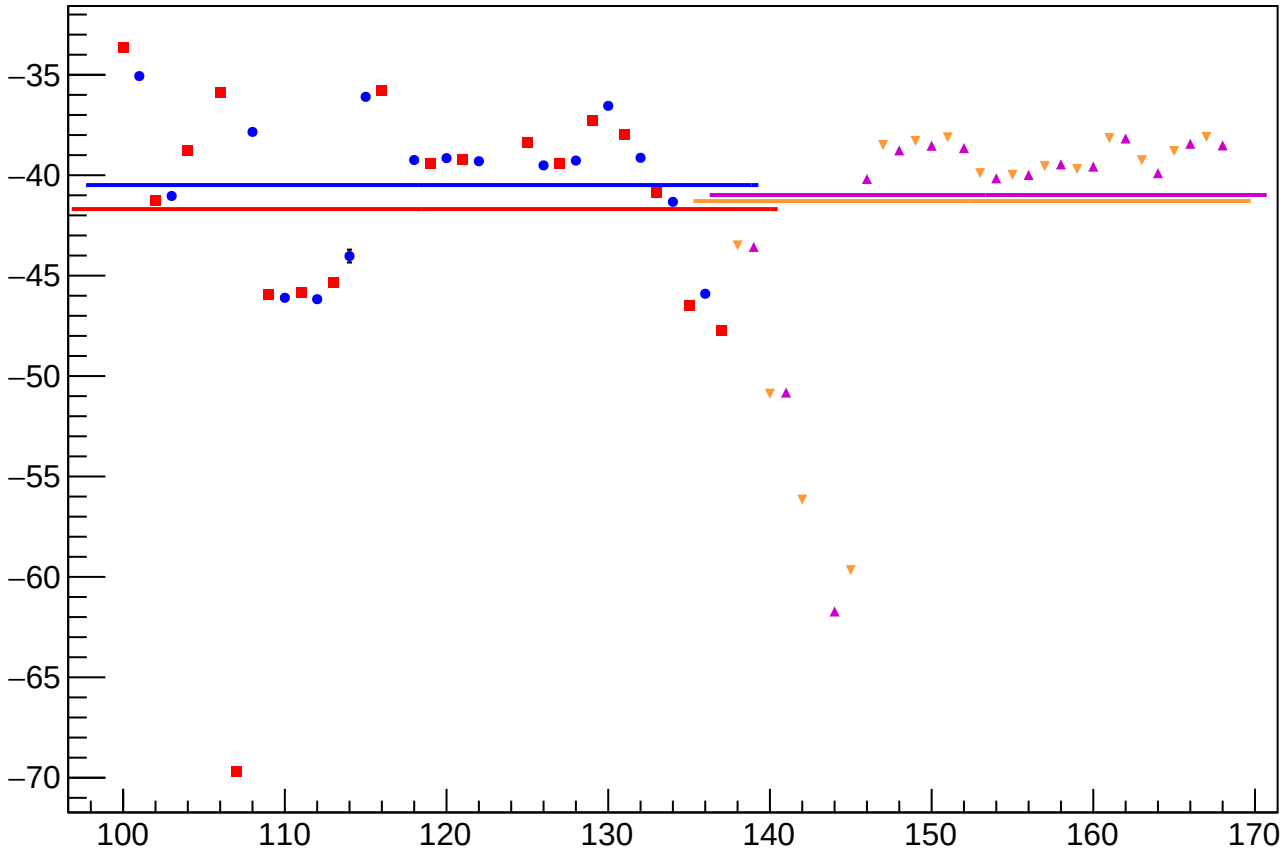
Left: 16.768+/-0.258 χ^2/NDF: 839.7/29

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.124+/-0.295 χ^2/NDF:1169.5/30

Out: 12.283+/-0.296 χ^2/NDF:1235.1/32

All: 12.705+/-0.209 χ^2/NDF: 2408.7/63



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.288+/-0.017 χ^2/NDF:106671.6/14

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.986+/-0.017 χ^2/NDF:87276.6/14

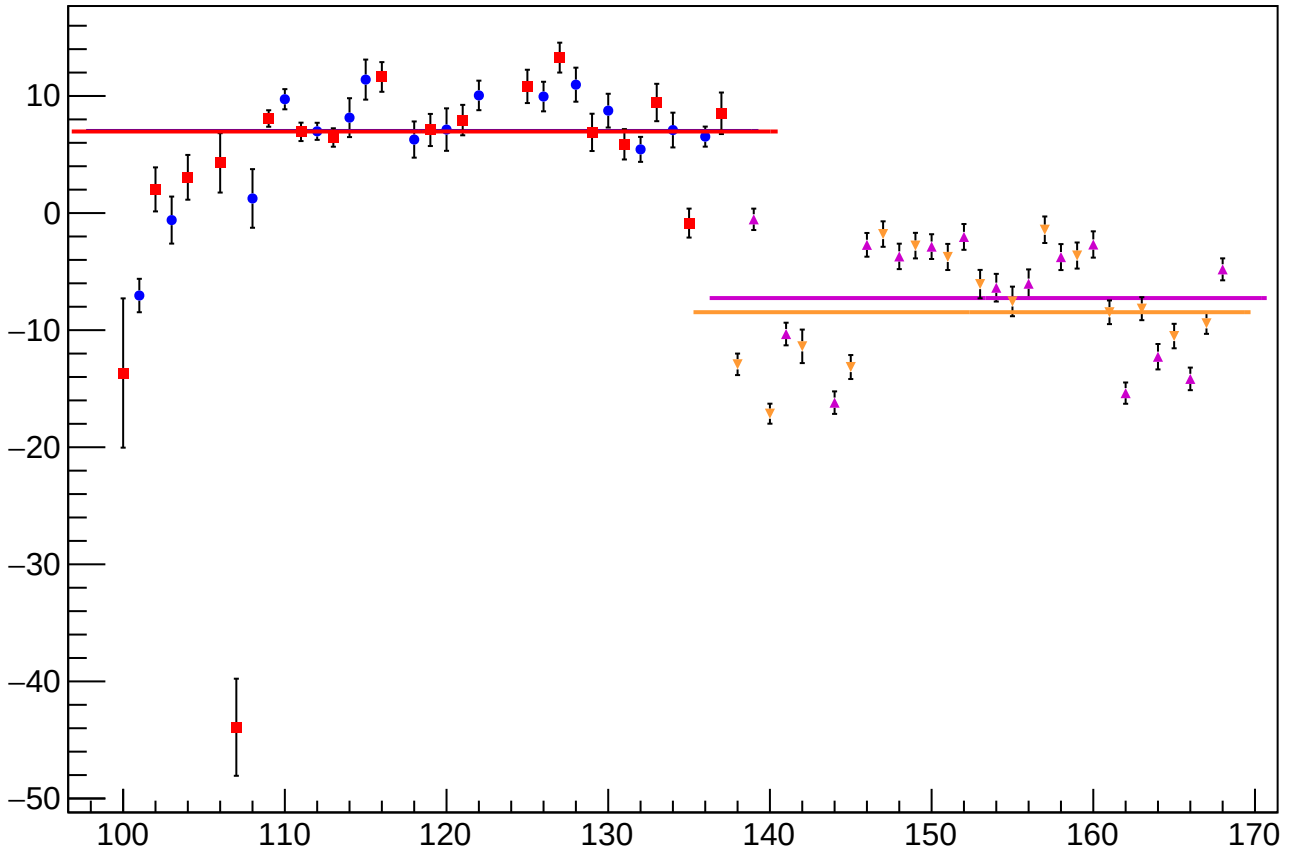
Left: -41.134+/-0.012 χ^2/NDF: 194105.1/29

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.856+/-0.015 χ^2/NDF:105627.1/30

Out: -41.390+/-0.015 χ^2/NDF:143647.5/32

All: -41.117+/-0.010 χ^2/NDF: 249937.9/63



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.466+/-0.272 χ^2/NDF:301.1/14

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -7.260+/-0.266 χ^2/NDF:408.4/14

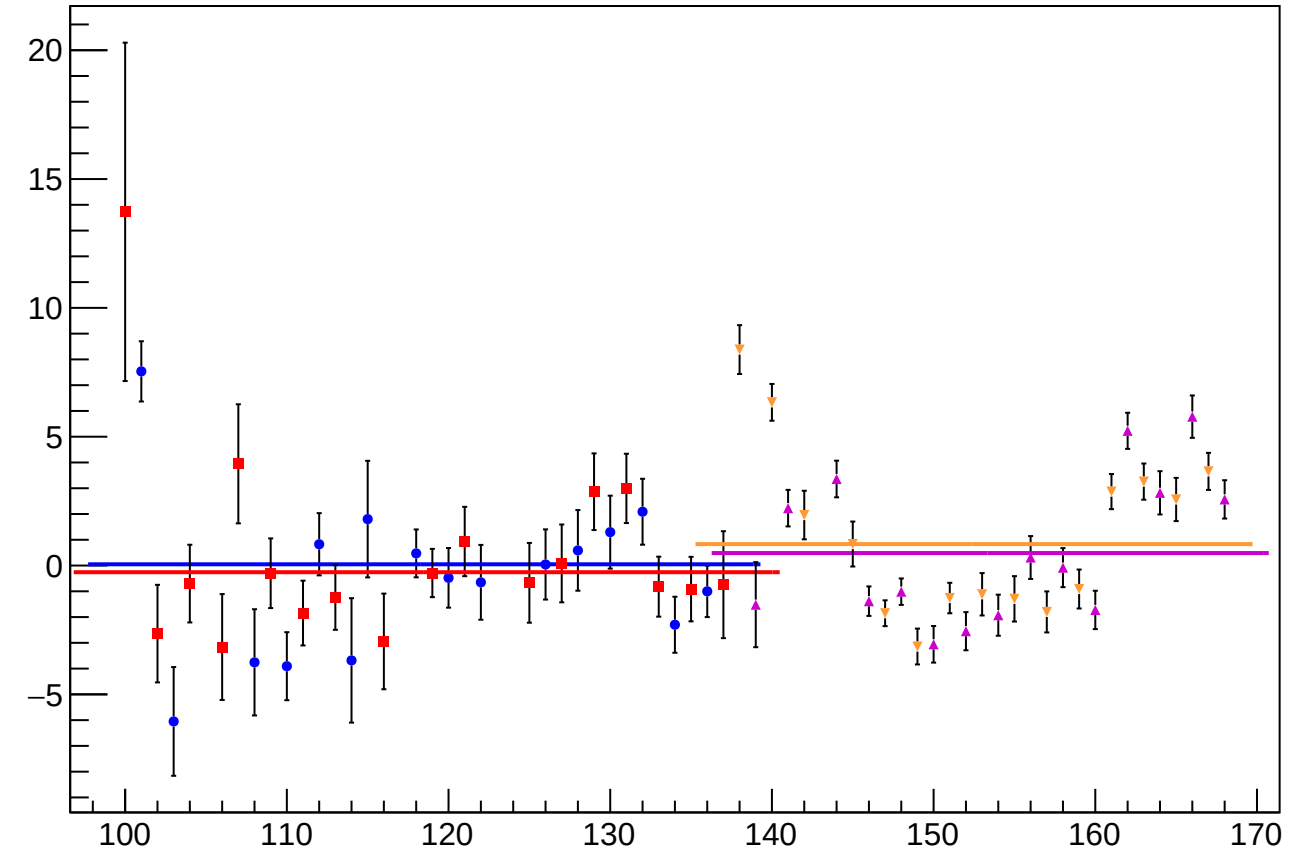
Left: -7.849+/-0.190 χ^2/NDF: 719.6/29

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -1.196+/-0.202 χ^2/NDF:1789.4/30

Out: -1.465+/-0.201 χ^2/NDF:2030.5/32

All: -1.331+/-0.142 χ^2/NDF: 3820.8/63



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.832+/-0.189 χ^2/NDF:266.4/14

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.485+/-0.188 χ^2/NDF:206.1/14

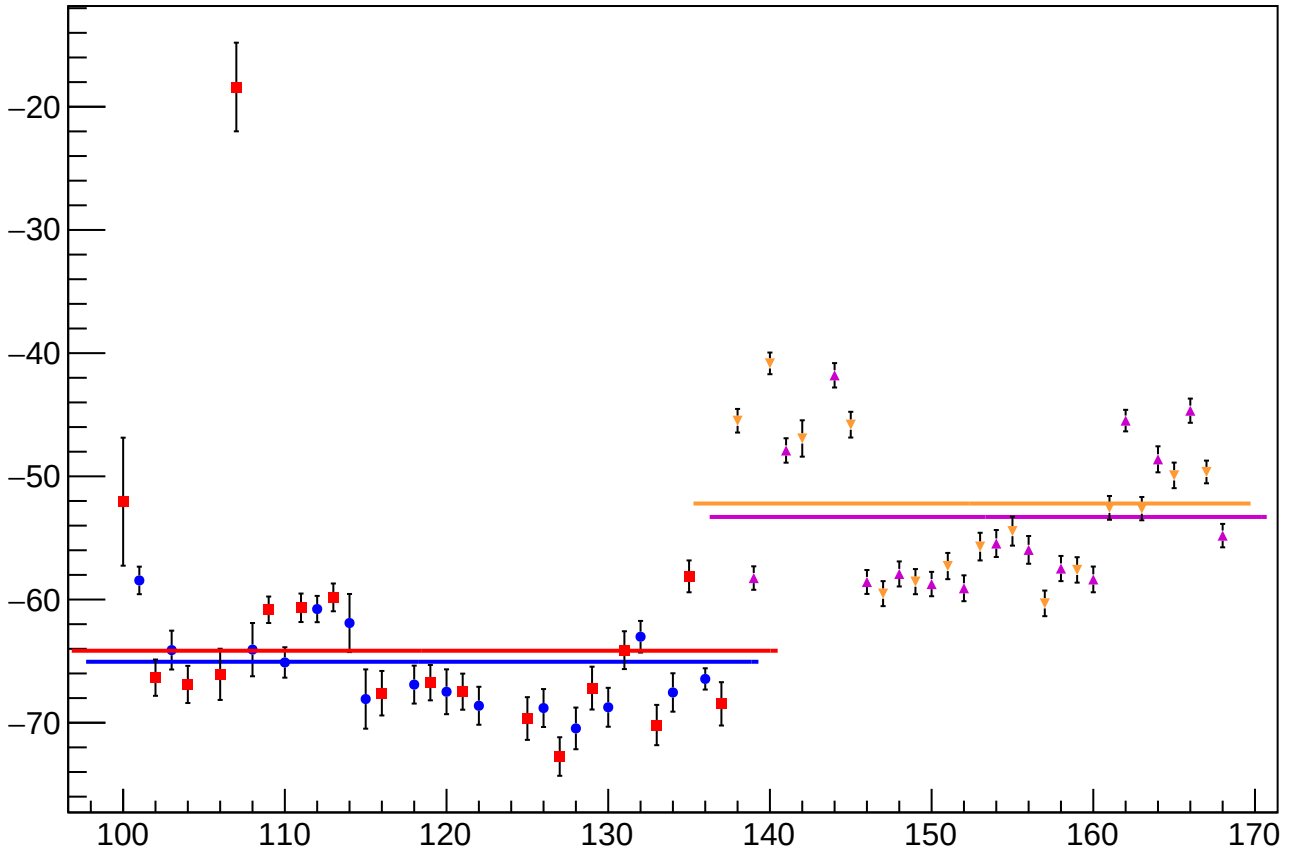
Left: 0.658+/-0.133 χ^2/NDF: 474.1/29

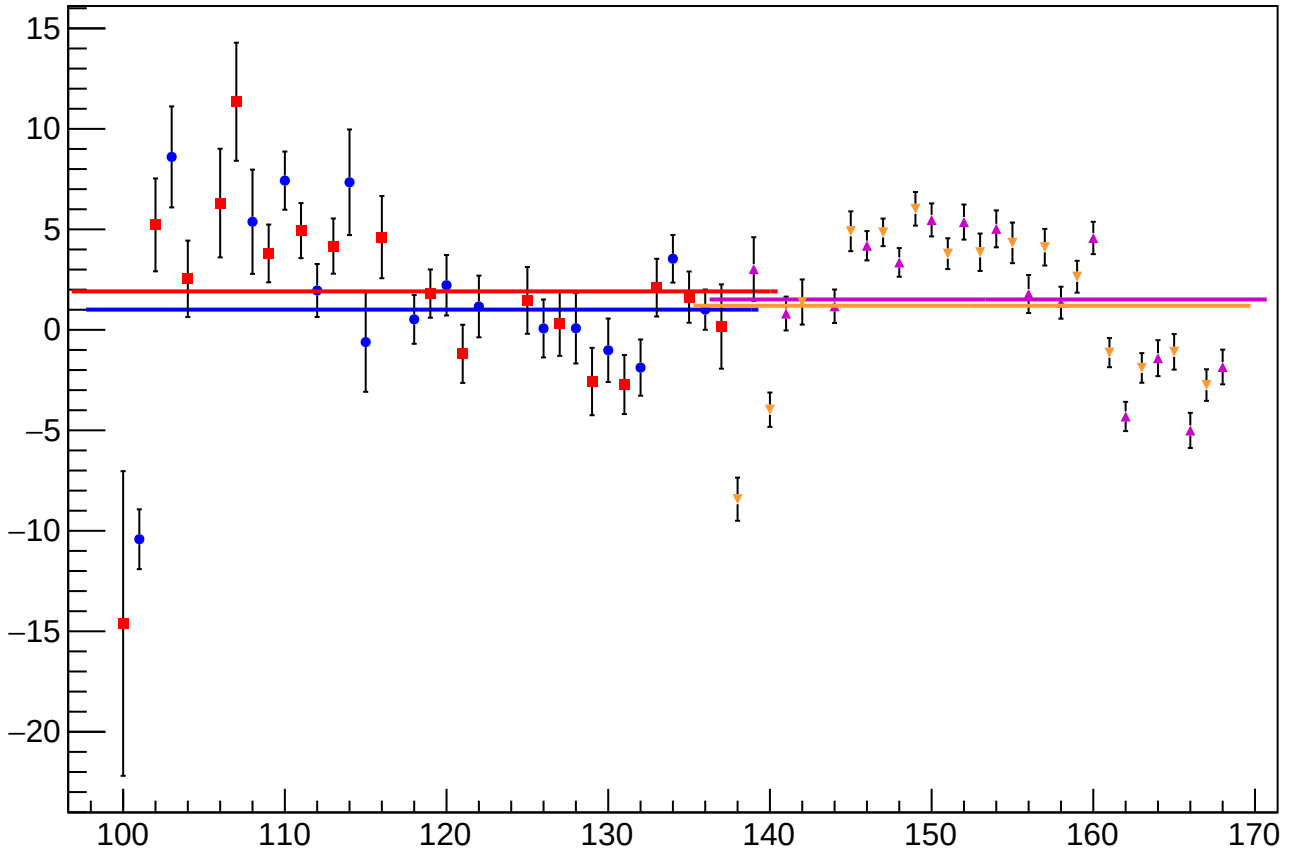
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.379+/-0.164 χ^2/NDF:282.4/30

Out: 0.580+/-0.166 χ^2/NDF:301.6/32

All: 0.478+/-0.116 χ^2/NDF: 584.7/63


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -52.206+/-0.265 χ²/NDF:494.5/14
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.297+/-0.259 χ²/NDF:531.8/14
Left: -52.765+/-0.185 χ²/NDF: 1034.9/29
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.389+/-0.209 χ²/NDF:1343.2/30
Out: -56.397+/-0.213 χ²/NDF:1511.7/32
All: -56.904+/-0.149 χ²/NDF: 2866.0/63



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.199+/-0.219 χ^2/NDF:295.5/14

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.511+/-0.218 χ^2/NDF:239.1/14

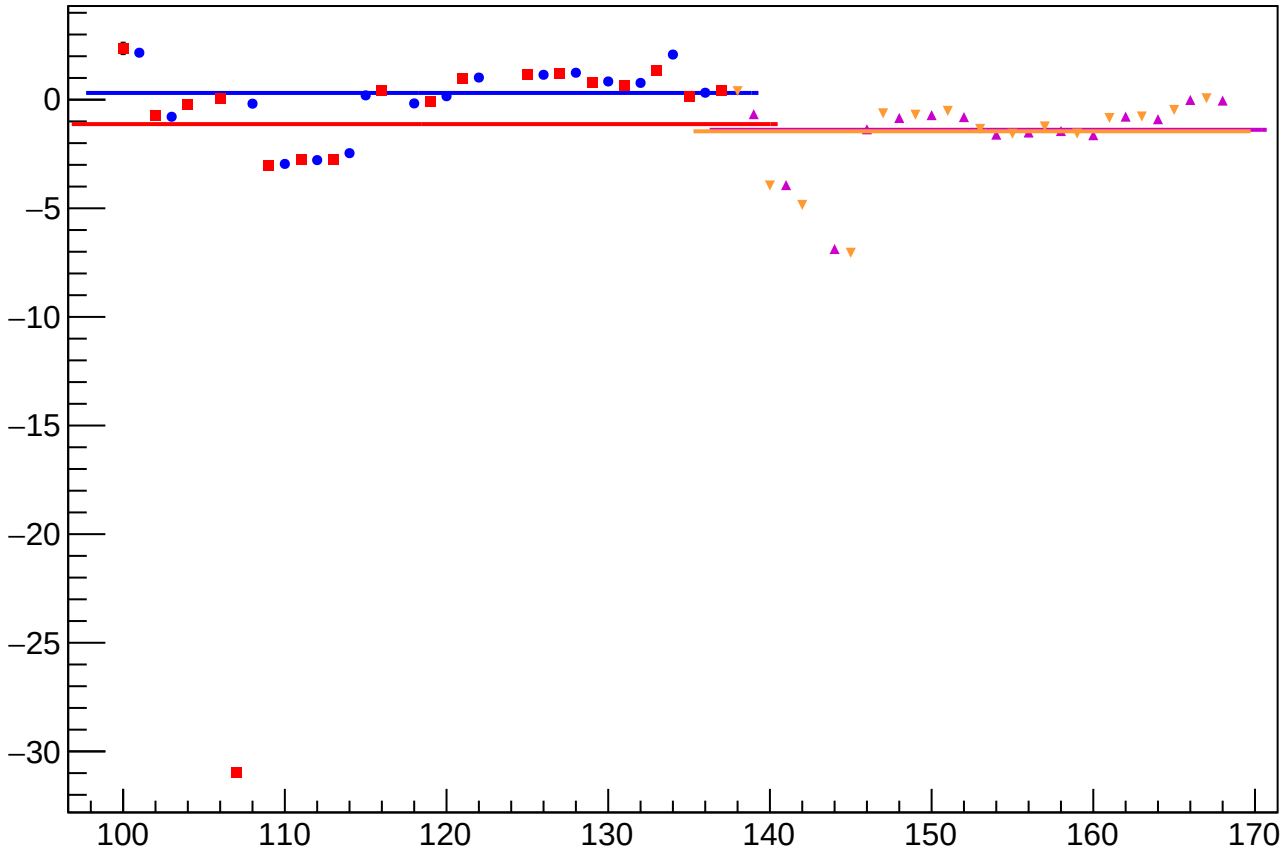
Left: 1.356+/-0.154 χ^2/NDF: 535.6/29

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.384+/-0.188 χ^2/NDF:349.7/30

Out: 1.370+/-0.191 χ^2/NDF:352.5/32

All: 1.377+/-0.134 χ^2/NDF: 702.2/63



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.454+/-0.010 χ^2/NDF:32632.3/14

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.386+/-0.010 χ^2/NDF:23976.7/14

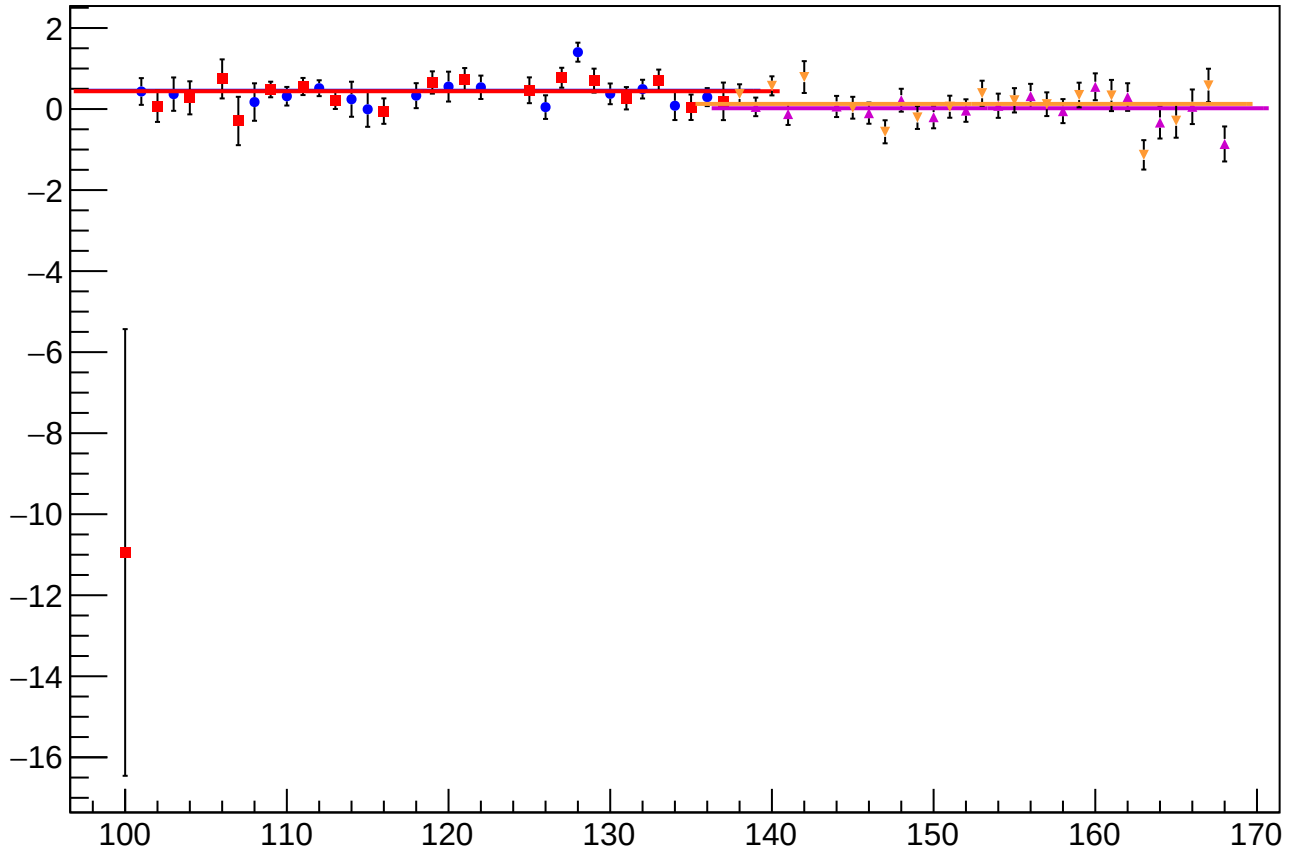
Left: -1.419+/-0.007 χ^2/NDF: 56633.0/29

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.090+/-0.009 χ^2/NDF:34180.7/30

Out: -1.399+/-0.009 χ^2/NDF:79164.5/32

All: -1.240+/-0.006 χ^2/NDF: 113940.5/63



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.127+/-0.078 χ^2/NDF:30.7/14

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.020+/-0.077 χ^2/NDF:11.0/14

Left: 0.072+/-0.055 χ^2/NDF: 42.7/29

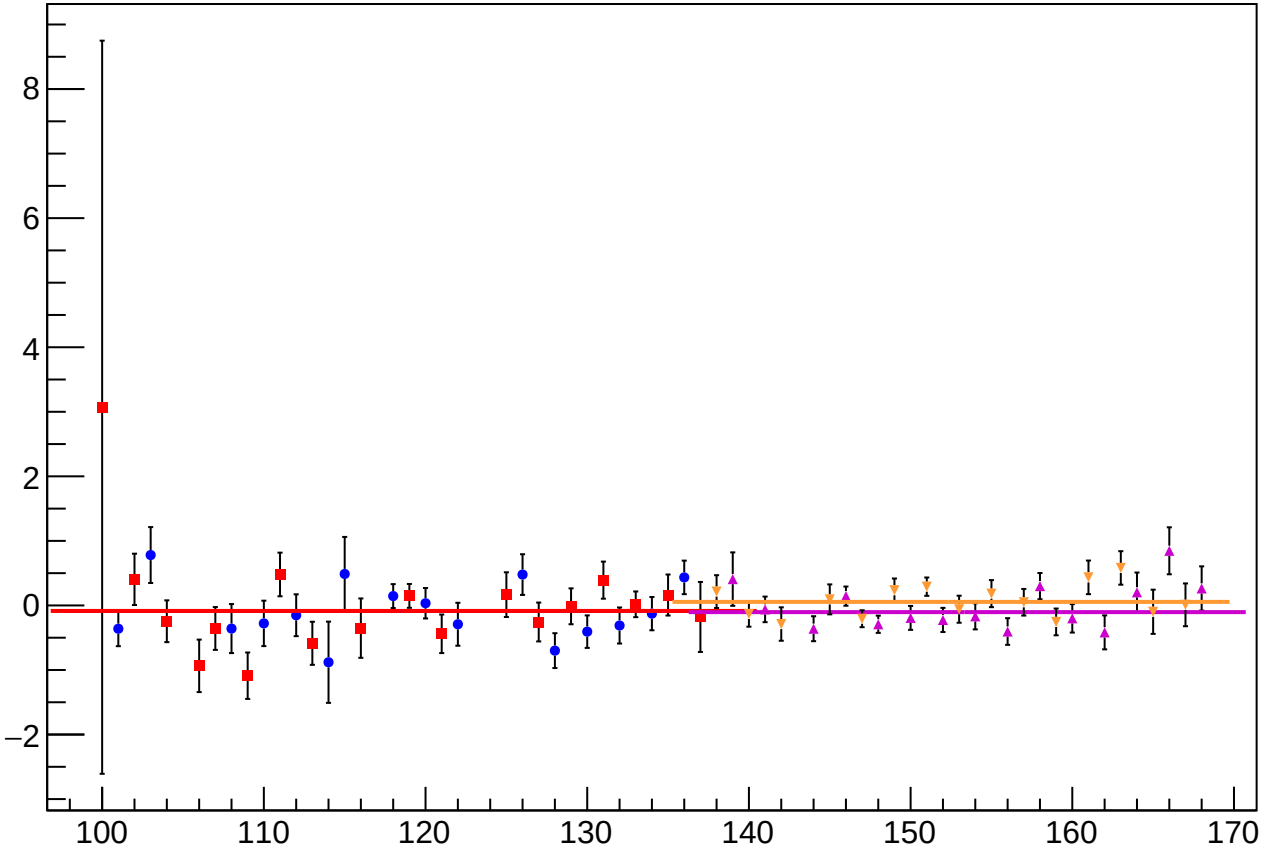
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.252+/-0.052 χ^2/NDF:50.6/30

Out: 0.301+/-0.052 χ^2/NDF:58.3/32

All: 0.277+/-0.037 χ^2/NDF: 109.3/63

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.055+/-0.053 χ^2/NDF:20.1/14

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.104+/-0.053 χ^2/NDF:25.5/14

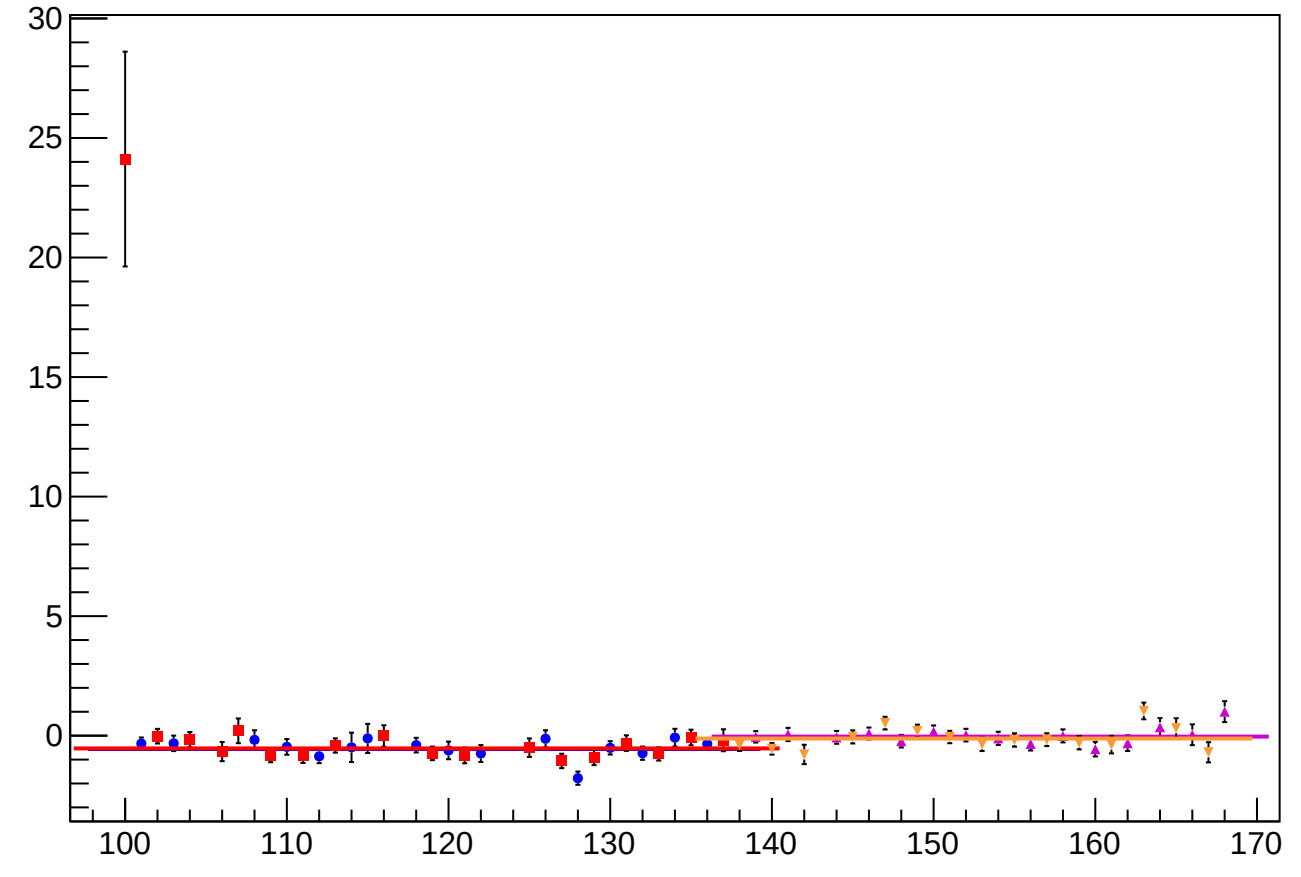
Left: -0.024+/-0.038 χ^2/NDF: 50.1/29

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.098+/-0.043 χ^2/NDF:50.9/30

Out: 0.007+/-0.043 χ^2/NDF:50.4/32

All: -0.046+/-0.030 χ^2/NDF: 104.2/63



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.120+/-0.076 χ^2/NDF:29.9/14

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.039+/-0.074 χ^2/NDF:13.2/14

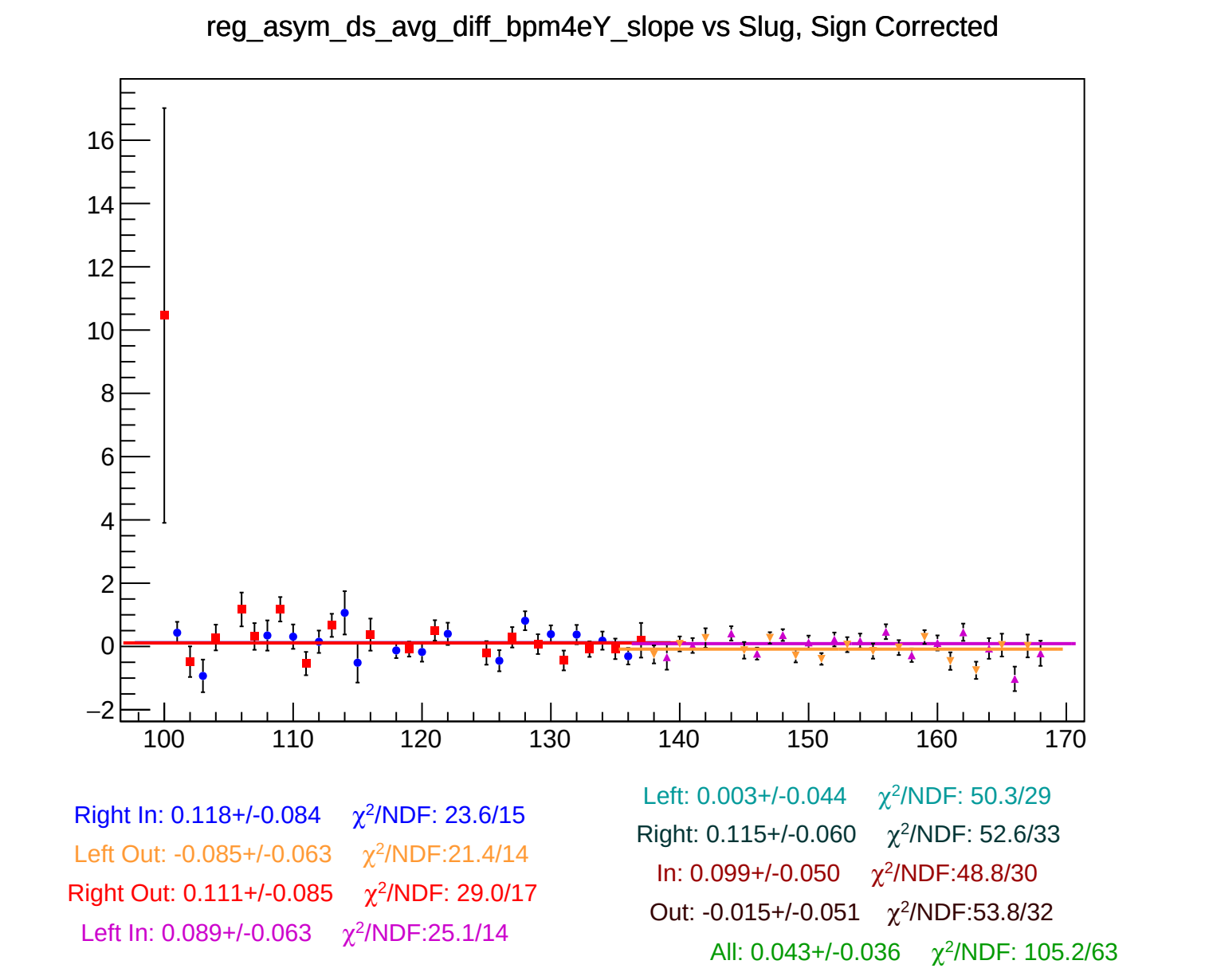
Left: -0.079+/-0.053 χ^2/NDF: 43.7/29

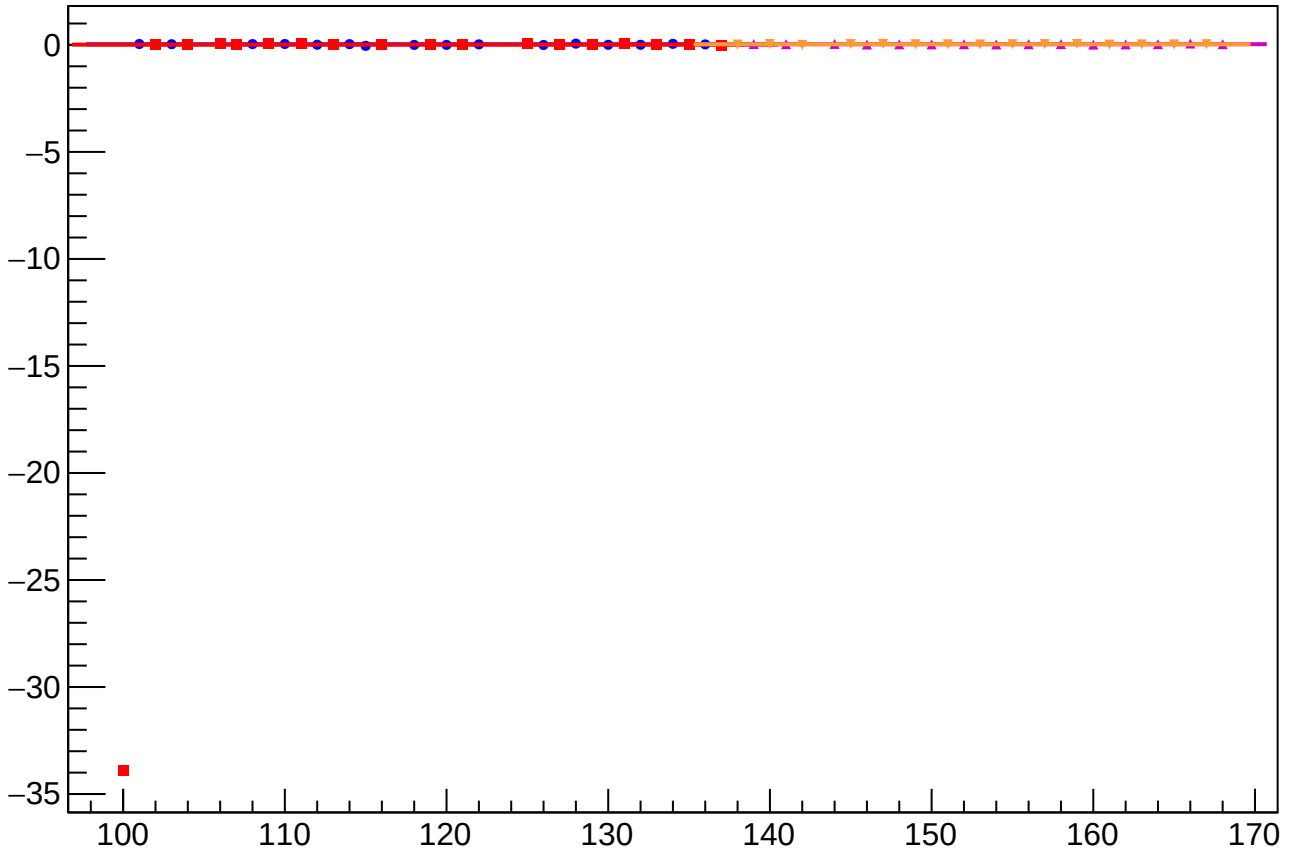
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.281+/-0.054 χ^2/NDF:64.2/30

Out: -0.314+/-0.055 χ^2/NDF:93.1/32

All: -0.297+/-0.039 χ^2/NDF: 157.5/63


reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: 0.118+/-0.084 χ²/NDF: 23.6/15
Left Out: -0.085+/-0.063 χ²/NDF:21.4/14
Right Out: 0.111+/-0.085 χ²/NDF: 29.0/17
Left In: 0.089+/-0.063 χ²/NDF:25.1/14
Left: 0.003+/-0.044 χ²/NDF: 50.3/29
Right: 0.115+/-0.060 χ²/NDF: 52.6/33
In: 0.099+/-0.050 χ²/NDF:48.8/30
Out: -0.015+/-0.051 χ²/NDF:53.8/32
All: 0.043+/-0.036 χ²/NDF: 105.2/63



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.6/14

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.033+/-0.003 χ^2/NDF:12.5/14

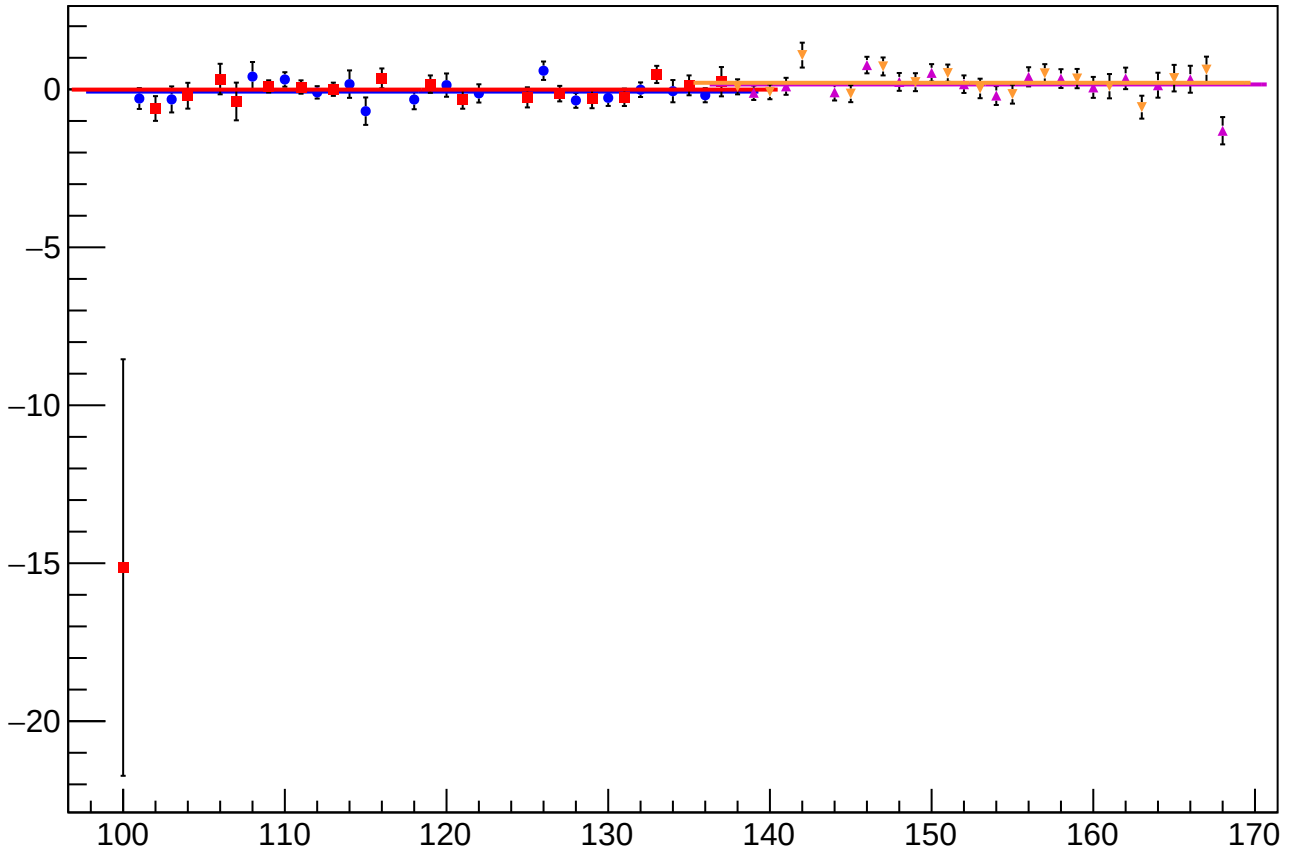
Left: 0.031+/-0.002 χ^2/NDF: 25.8/29

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.002 χ^2/NDF:28.3/30

Out: 0.024+/-0.002 χ^2/NDF:22281.9/32

All: 0.028+/-0.002 χ^2/NDF: 22315.2/63



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.208+/-0.078 χ^2/NDF:21.6/14

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.156+/-0.077 χ^2/NDF:24.1/14

Left: 0.182+/-0.055 χ^2/NDF: 45.9/29

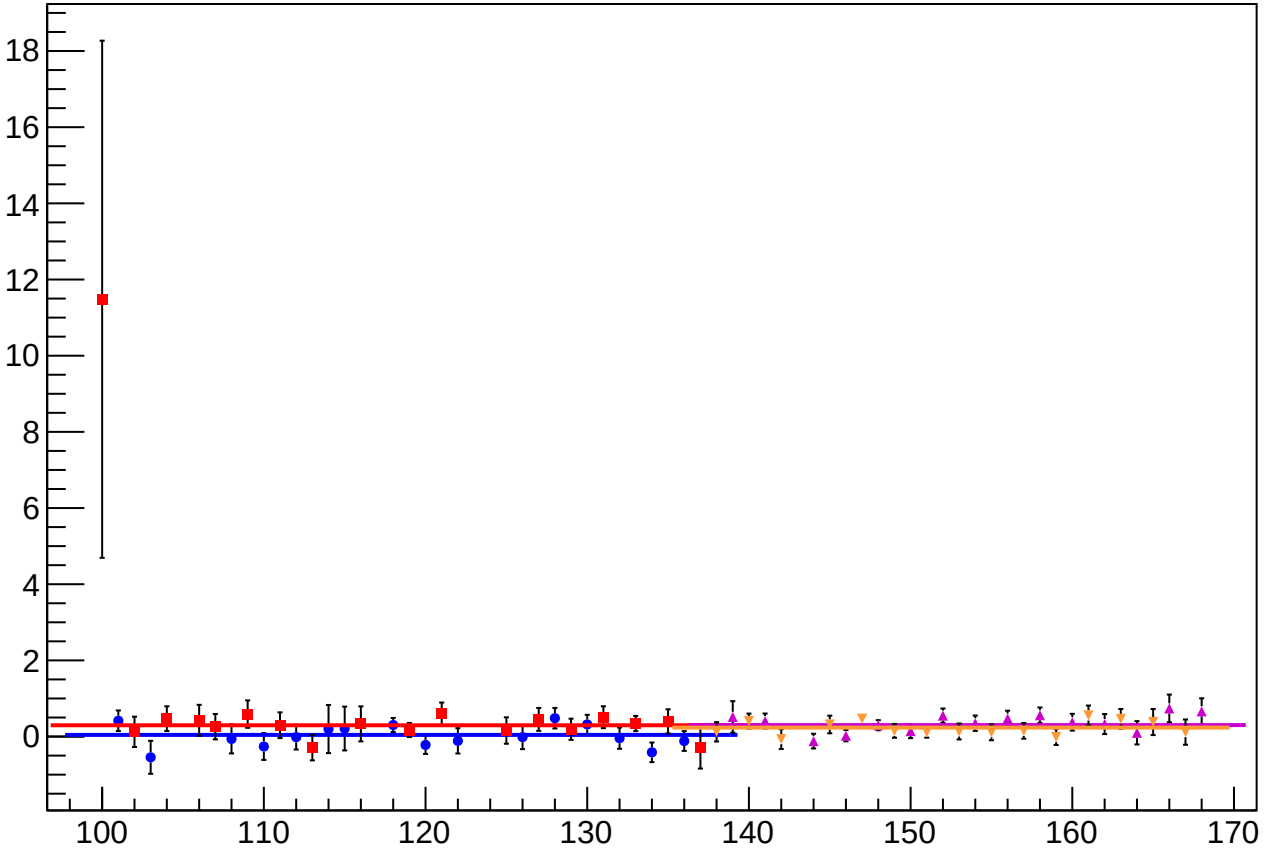
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.034+/-0.052 χ^2/NDF:44.2/30

Out: 0.088+/-0.052 χ^2/NDF:44.0/32

All: 0.062+/-0.037 χ^2/NDF: 88.8/63

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.053 χ^2/NDF:11.3/14

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.301+/-0.053 χ^2/NDF:16.8/14

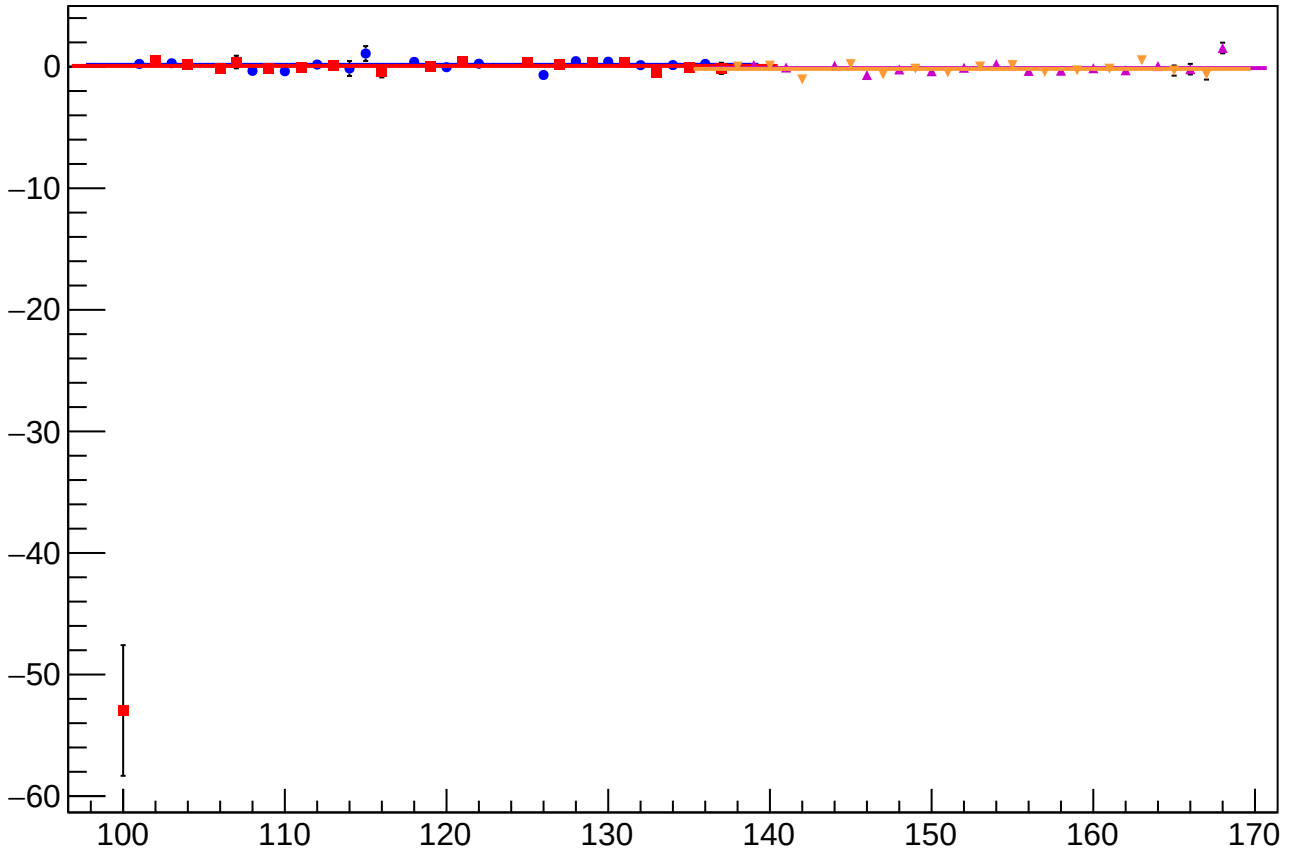
Left: 0.268+/-0.038 χ^2/NDF: 28.8/29

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.212+/-0.043 χ^2/NDF:40.6/30

Out: 0.256+/-0.043 χ^2/NDF:22.7/32

All: 0.234+/-0.030 χ^2/NDF: 63.9/63



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.180+/-0.076 χ^2/NDF:20.7/14

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.114+/-0.074 χ^2/NDF:25.4/14

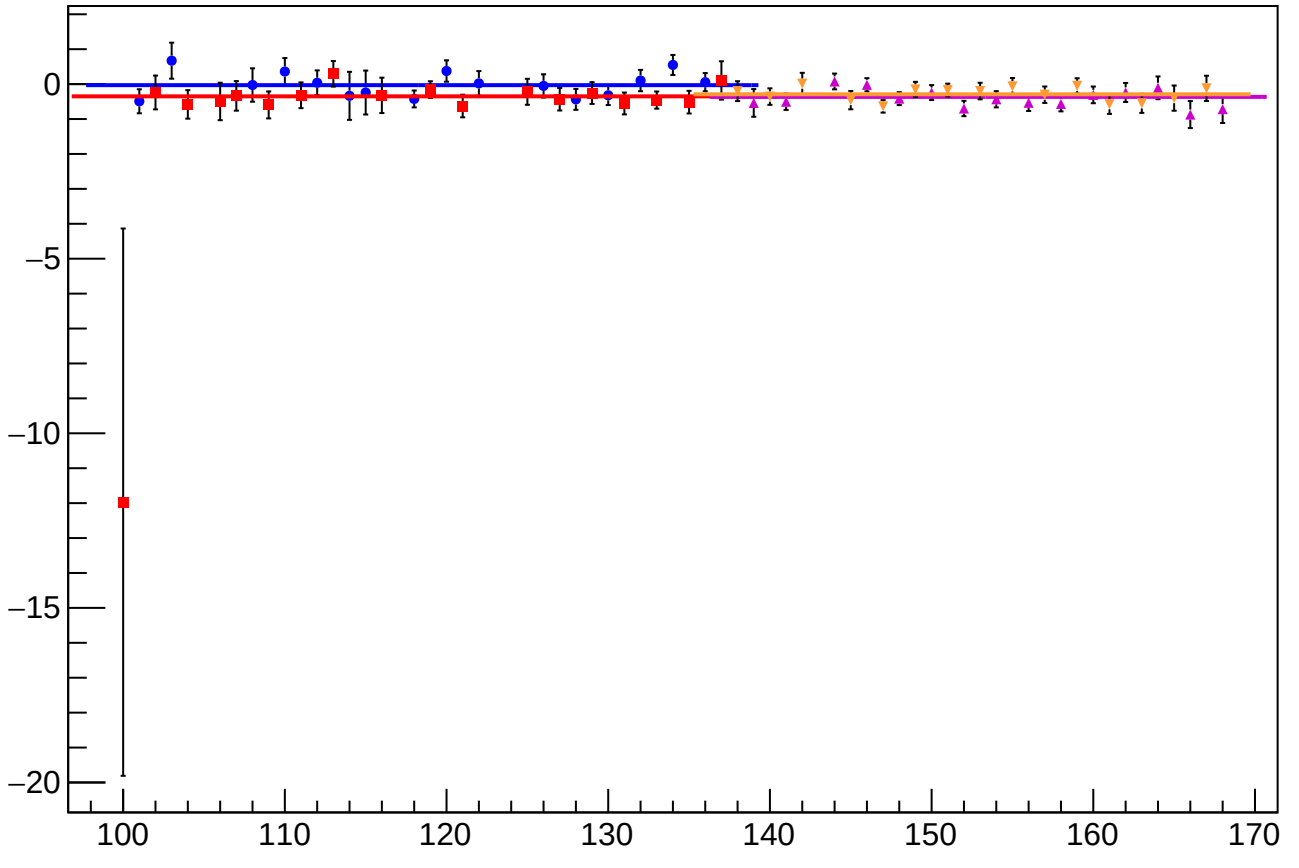
Left: -0.146+/-0.053 χ^2/NDF: 46.4/29

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.011+/-0.054 χ^2/NDF:47.0/30

Out: -0.065+/-0.055 χ^2/NDF:134.9/32

All: -0.026+/-0.039 χ^2/NDF: 182.8/63



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.291+/-0.063 χ^2/NDF:10.7/14

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.366+/-0.063 χ^2/NDF:15.3/14

Left: -0.329+/-0.044 χ^2/NDF: 26.7/29

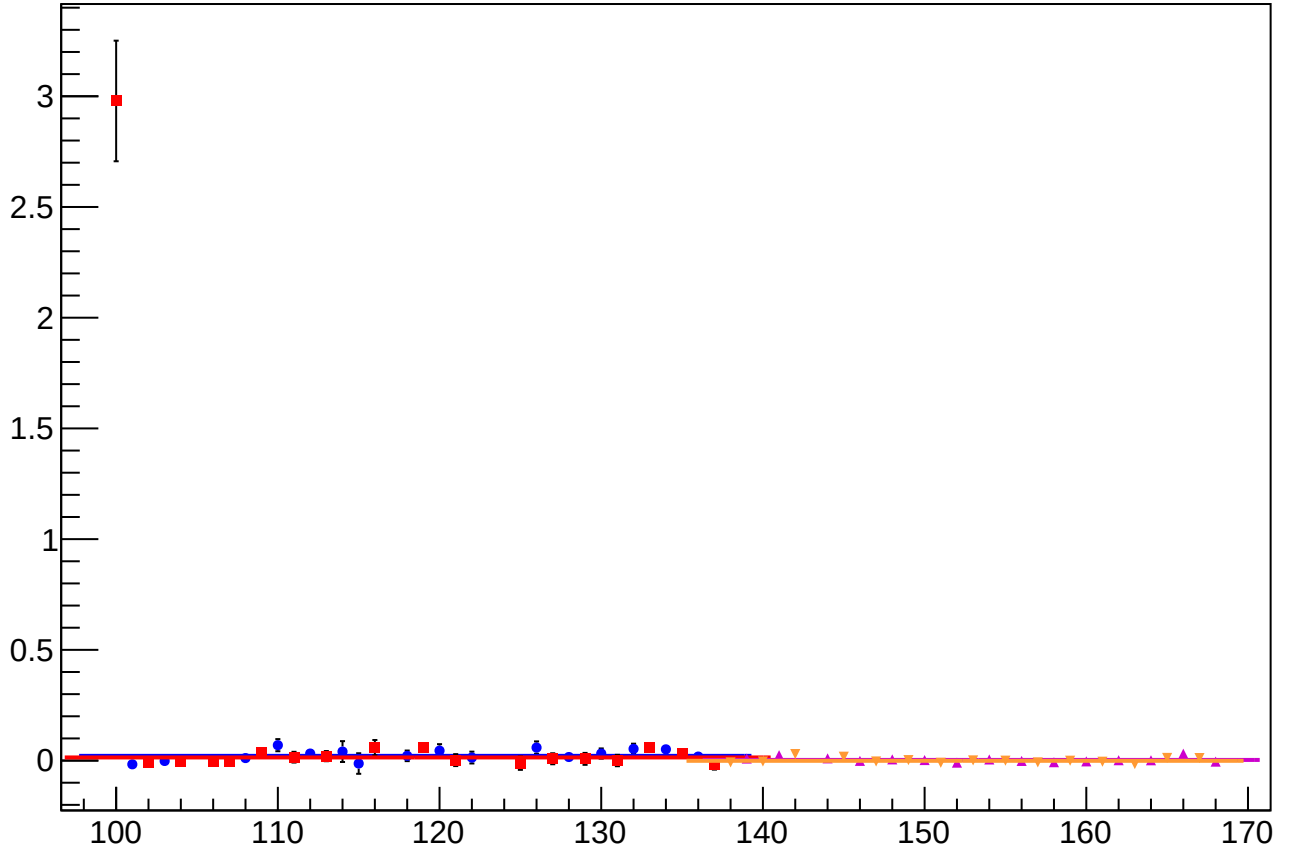
Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.246+/-0.050 χ^2/NDF:42.4/30

Out: -0.312+/-0.051 χ^2/NDF:20.4/32

All: -0.279+/-0.036 χ^2/NDF: 63.6/63

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:11.3/14

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.003 χ^2/NDF:11.1/14

Left: 0.001+/-0.002 χ^2/NDF: 23.5/29

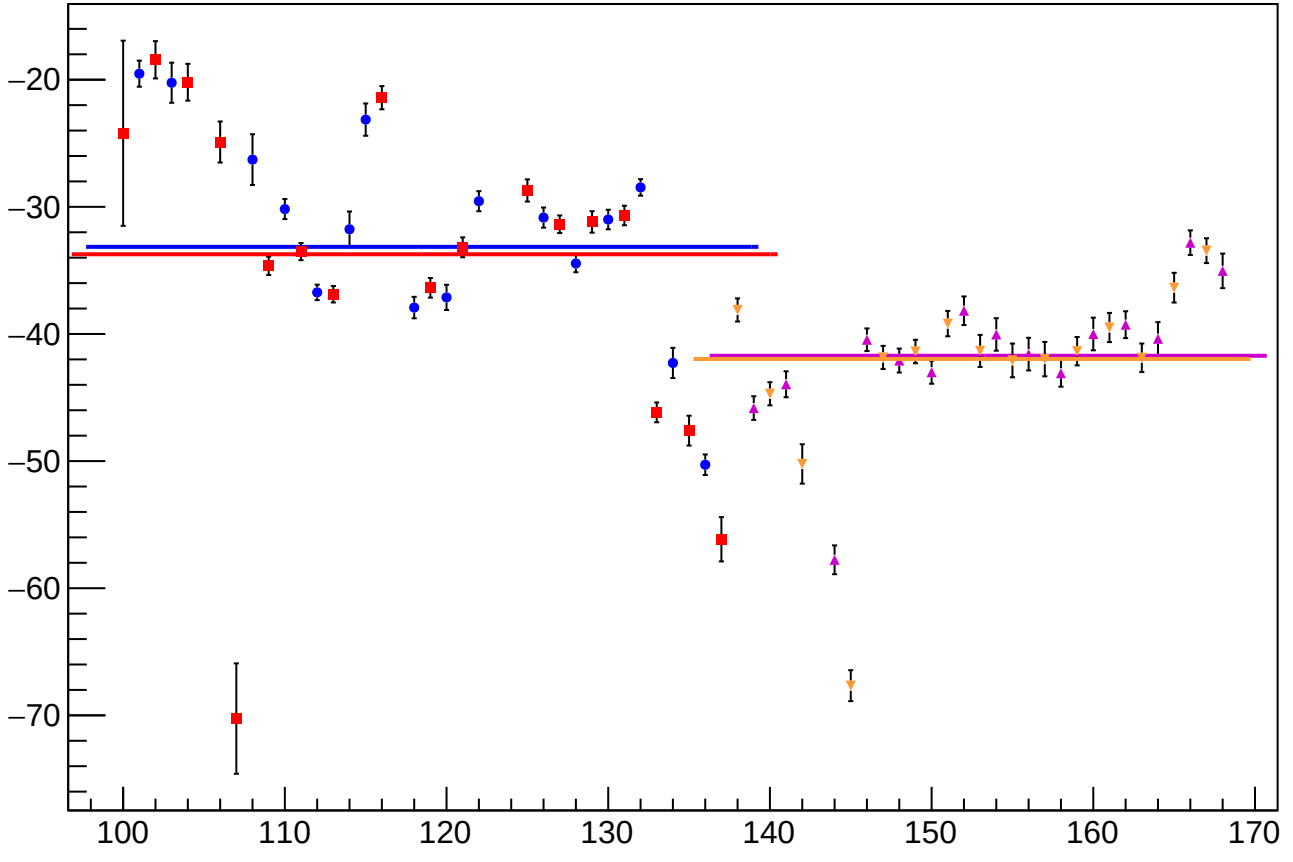
Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:44.5/30

Out: 0.003+/-0.002 χ^2/NDF:159.3/32

All: 0.005+/-0.002 χ^2/NDF: 205.7/63

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.966+/-0.280 χ^2/NDF:613.4/14

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -41.715+/-0.276 χ^2/NDF:358.8/14

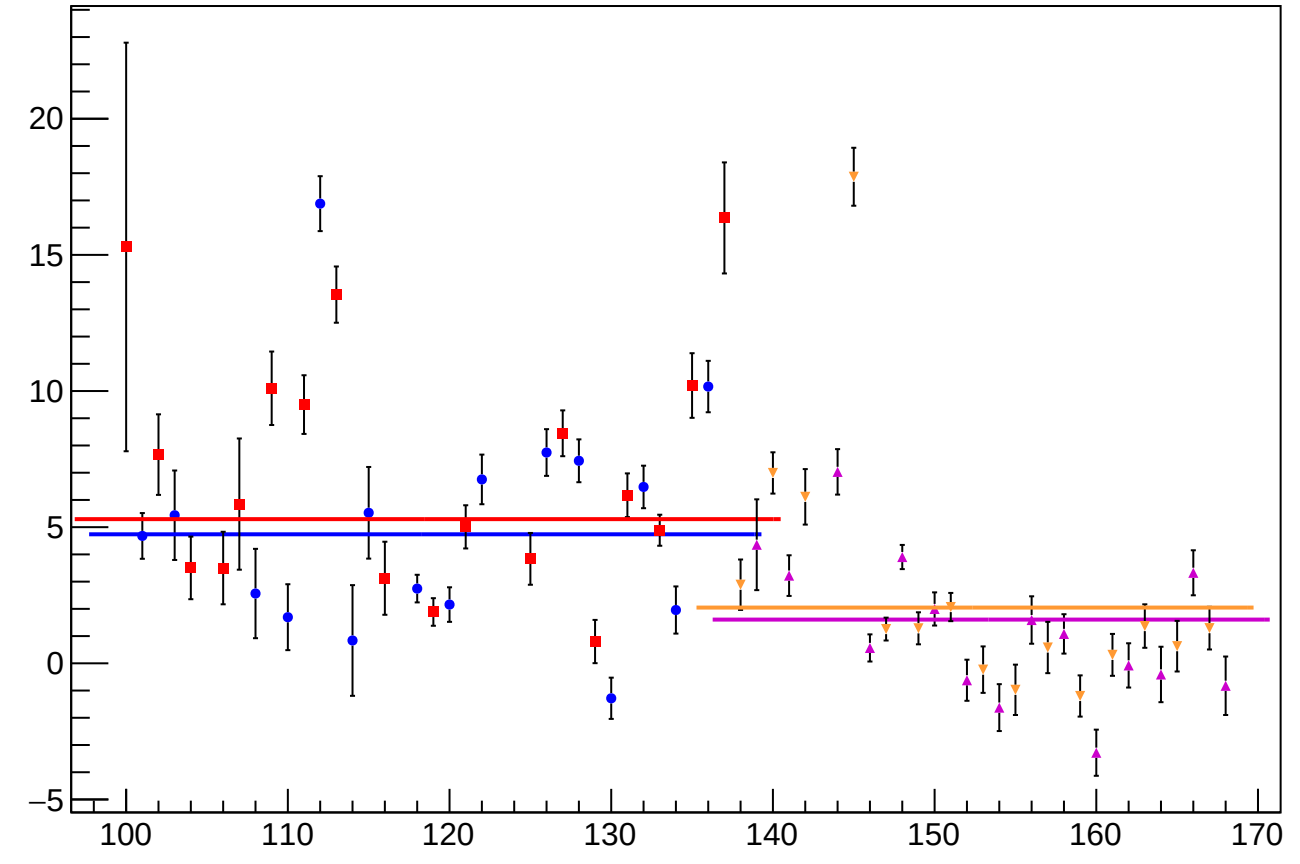
Left: -41.839+/-0.197 χ^2/NDF: 972.6/29

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.433+/-0.171 χ^2/NDF:1965.0/30

Out: -36.783+/-0.170 χ^2/NDF:2306.5/32

All: -36.609+/-0.121 χ^2/NDF: 4273.7/63



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.047+/-0.187 χ^2/NDF:333.3/14

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.606+/-0.189 χ^2/NDF:155.4/14

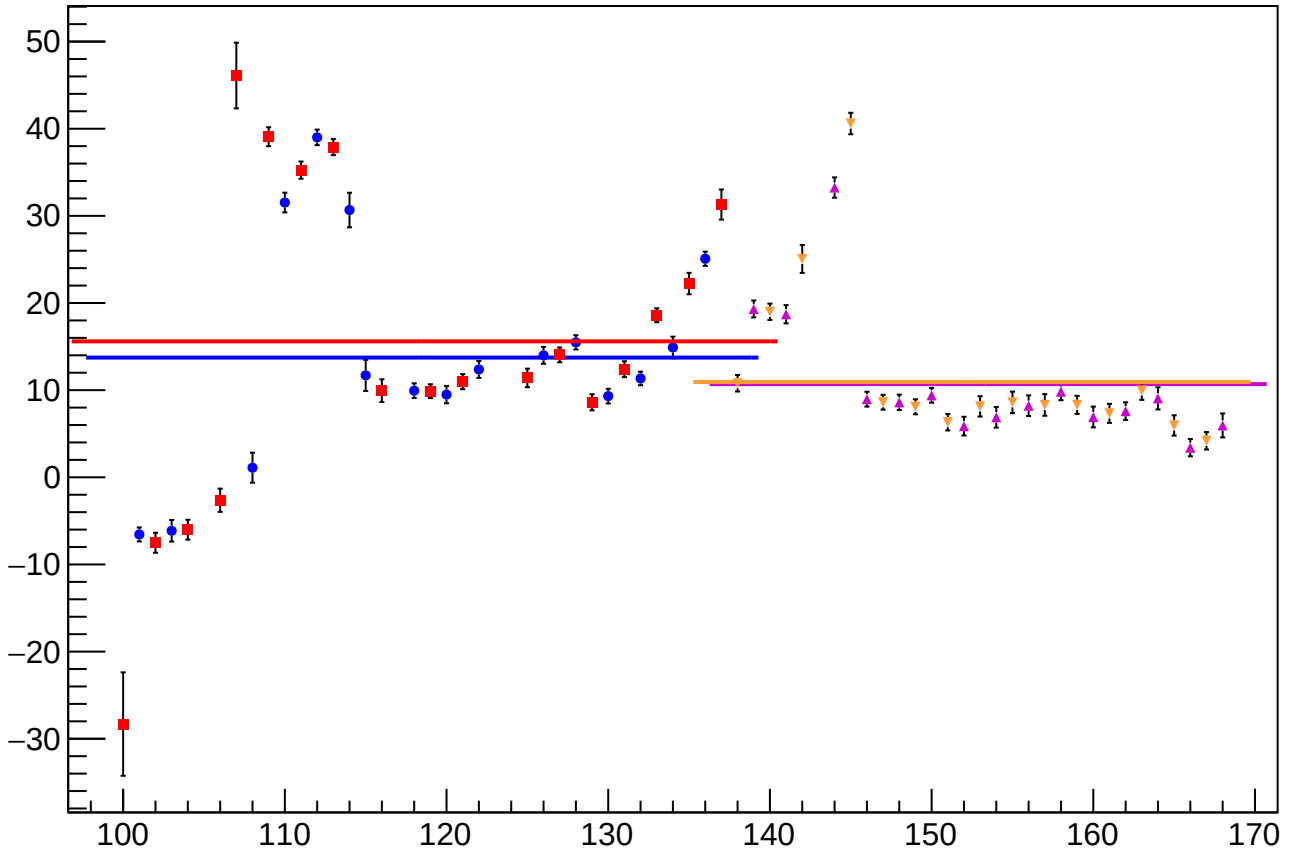
Left: 1.829+/-0.133 χ^2/NDF: 491.4/29

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.944+/-0.143 χ^2/NDF:602.0/30

Out: 3.389+/-0.144 χ^2/NDF:702.4/32

All: 3.166+/-0.101 χ^2/NDF: 1309.2/63



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.932+/-0.272 χ^2/NDF:868.9/14

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.691+/-0.268 χ^2/NDF:646.0/14

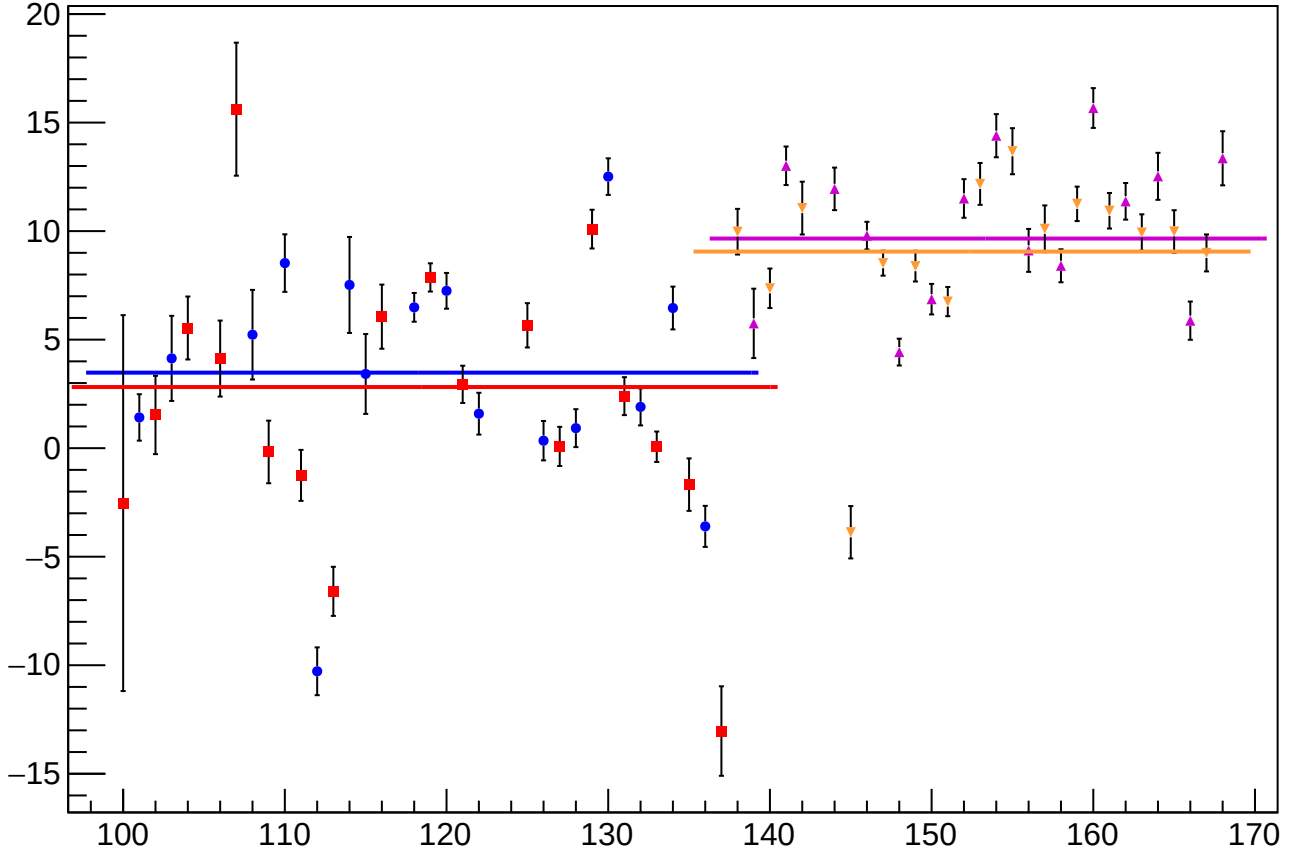
Left: 10.810+/-0.191 χ^2/NDF: 1515.3/29

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.339+/-0.181 χ^2/NDF:3065.9/30

Out: 13.460+/-0.184 χ^2/NDF:3854.9/32

All: 12.891+/-0.129 χ^2/NDF: 6939.6/63



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.058+/-0.221 χ^2/NDF:180.6/14

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.658+/-0.222 χ^2/NDF:224.7/14

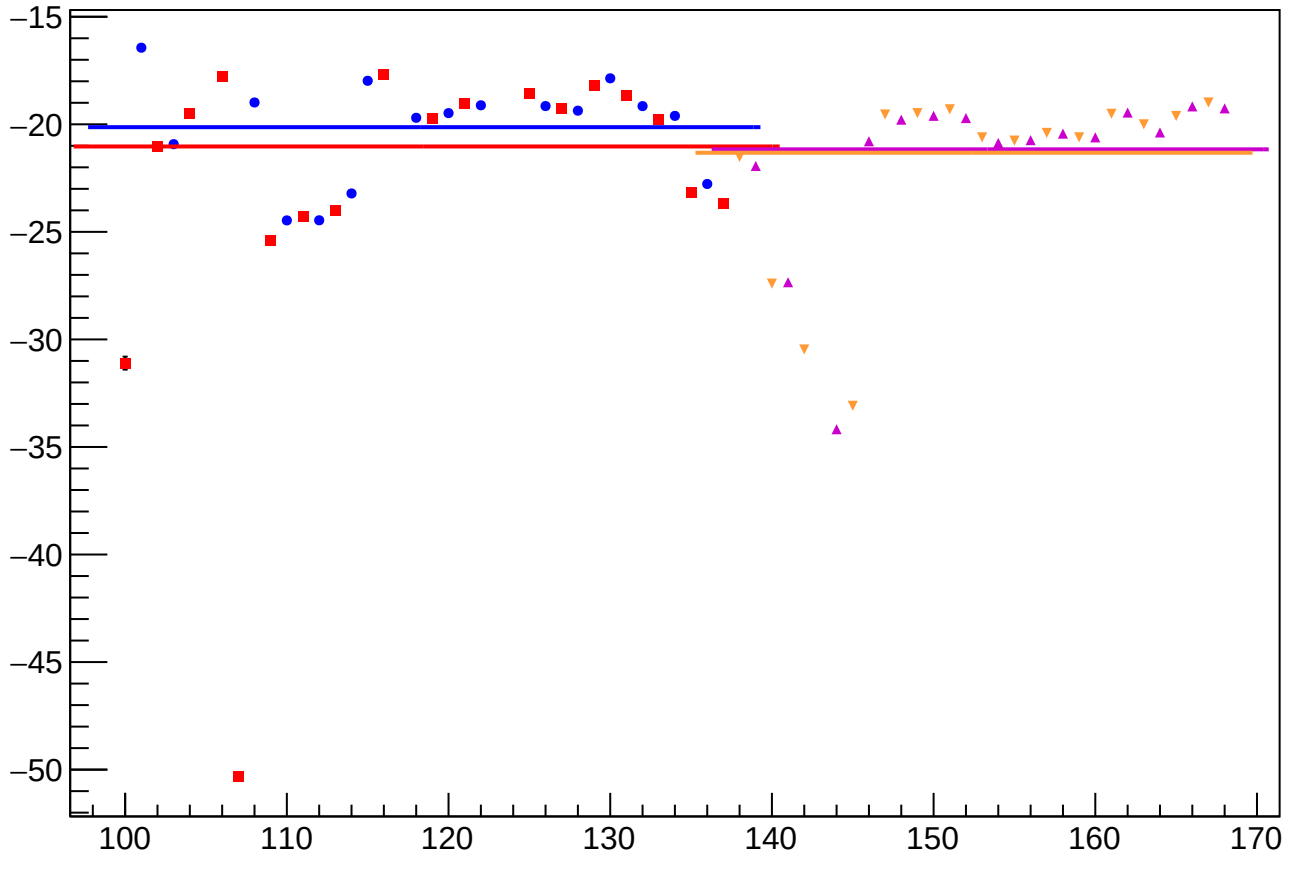
Left: 9.356+/-0.157 χ^2/NDF: 409.0/29

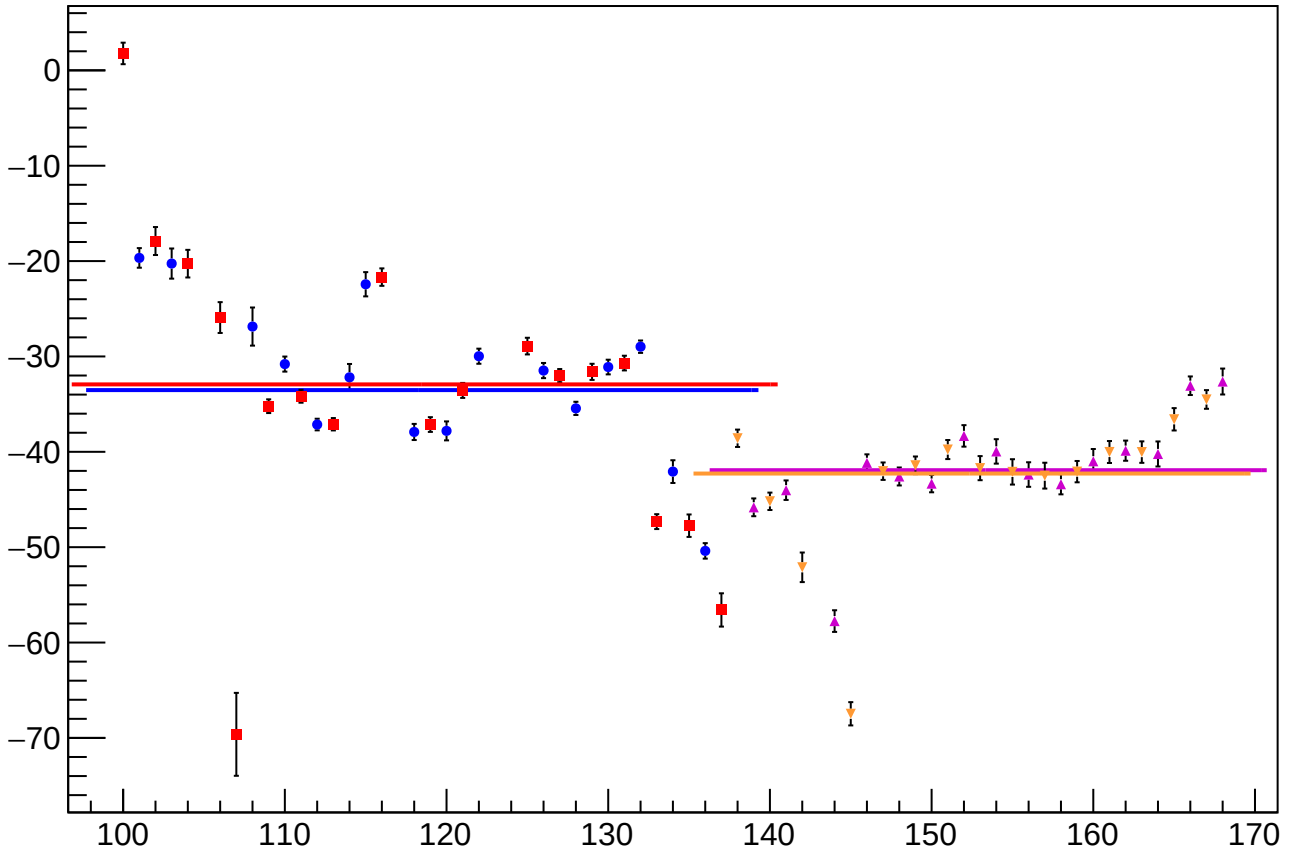
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

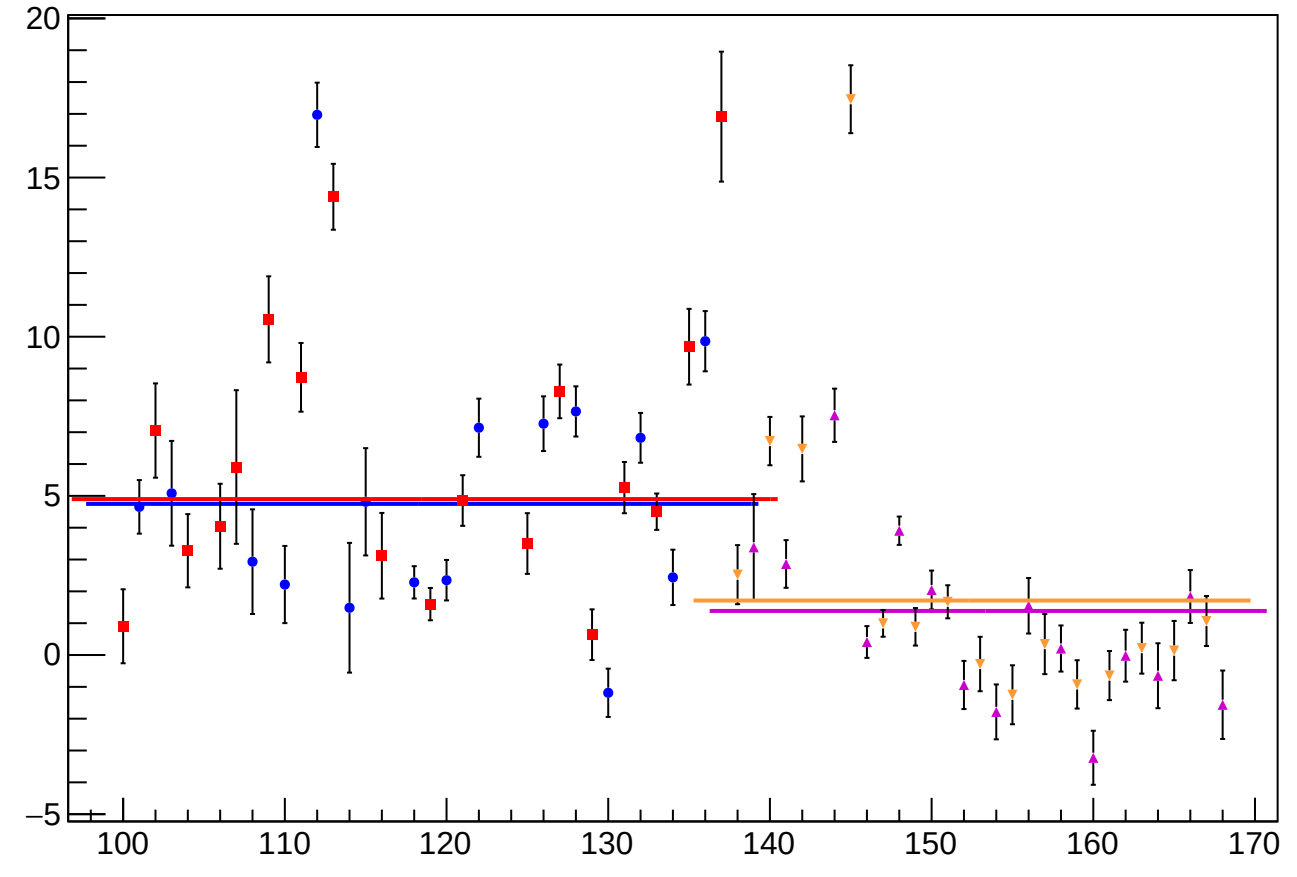
In: 6.973+/-0.167 χ^2/NDF:987.8/30

Out: 6.405+/-0.168 χ^2/NDF:864.3/32

All: 6.690+/-0.118 χ^2/NDF: 1857.8/63


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
170
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -21.322+/-0.010 χ²/NDF:117415.9/14
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -21.164+/-0.010 χ²/NDF:95263.7/14
Left: -21.241+/-0.007 χ²/NDF: 212799.2/29
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -20.869+/-0.009 χ²/NDF:118052.8/30
Out: -21.239+/-0.009 χ²/NDF:175164.2/32
All: -21.050+/-0.006 χ²/NDF: 294129.2/63


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -42.279+/-0.280 χ²/NDF:595.1/14
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -41.928+/-0.277 χ²/NDF:369.3/14
Left: -42.101+/-0.197 χ²/NDF: 965.2/29
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.749+/-0.172 χ²/NDF:1945.1/30
Out: -36.322+/-0.169 χ²/NDF:3473.0/32
All: -36.532+/-0.120 χ²/NDF: 5421.3/63



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.712+/-0.188 χ^2/NDF:335.1/14

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.384+/-0.190 χ^2/NDF:166.4/14

Left: 1.550+/-0.133 χ^2/NDF: 503.1/29

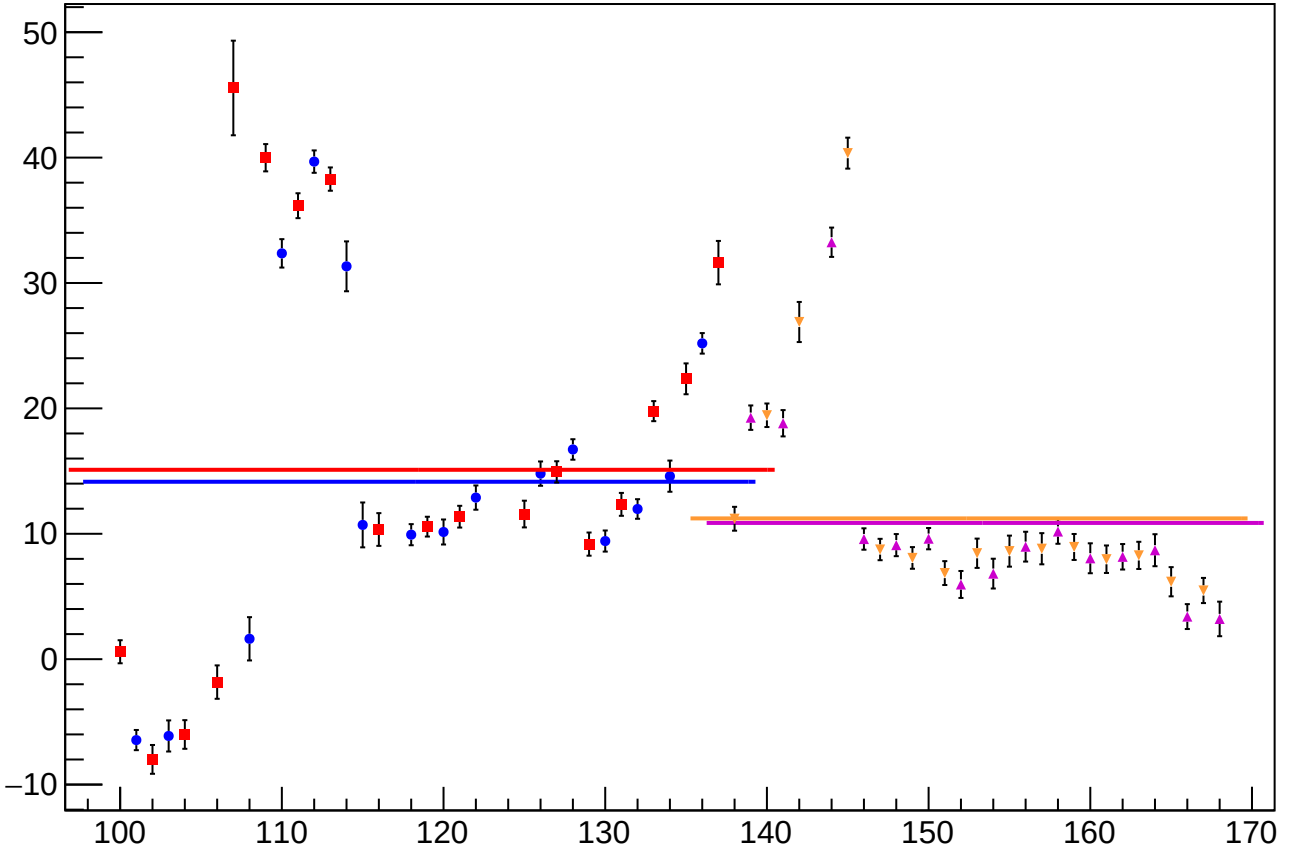
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.821+/-0.144 χ^2/NDF:626.5/30

Out: 3.055+/-0.143 χ^2/NDF:729.6/32

All: 2.938+/-0.101 χ^2/NDF: 1357.4/63

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.227+/-0.272 χ^2/NDF:858.4/14

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.865+/-0.268 χ^2/NDF:645.4/14

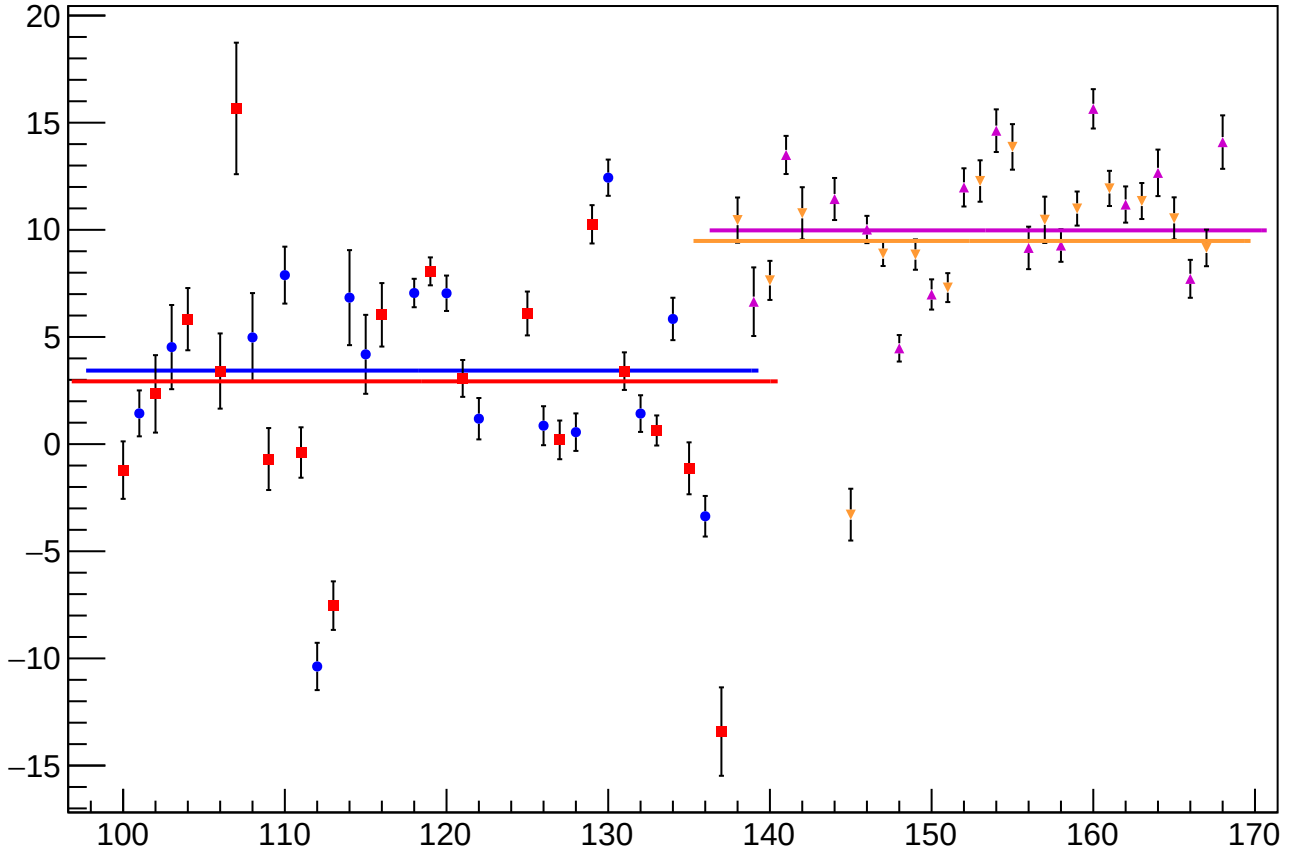
Left: 11.043+/-0.191 χ^2/NDF: 1504.7/29

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.641+/-0.182 χ^2/NDF:3128.8/30

Out: 13.393+/-0.181 χ^2/NDF:4073.9/32

All: 13.019+/-0.128 χ^2/NDF: 7211.3/63



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.481+/-0.222 χ^2/NDF:174.9/14

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.975+/-0.223 χ^2/NDF:211.5/14

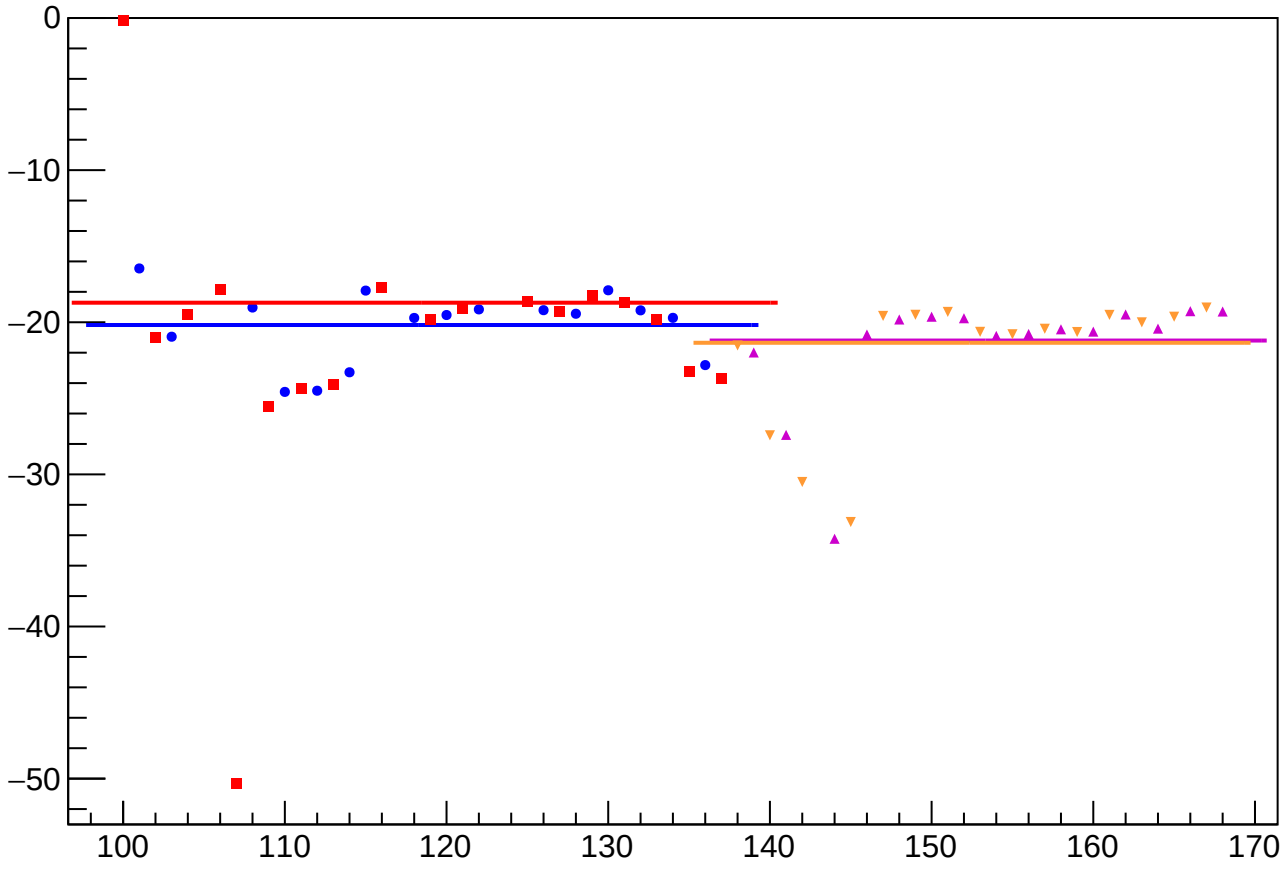
Left: 9.726+/-0.157 χ^2/NDF: 388.8/29

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.132+/-0.168 χ^2/NDF:1010.1/30

Out: 6.641+/-0.167 χ^2/NDF:921.6/32

All: 6.885+/-0.118 χ^2/NDF: 1936.0/63



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.348+/-0.010 χ^2/NDF:117151.4/14

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.202+/-0.010 χ^2/NDF:95231.7/14

Left: -21.273+/-0.007 χ^2/NDF: 212484.8/29

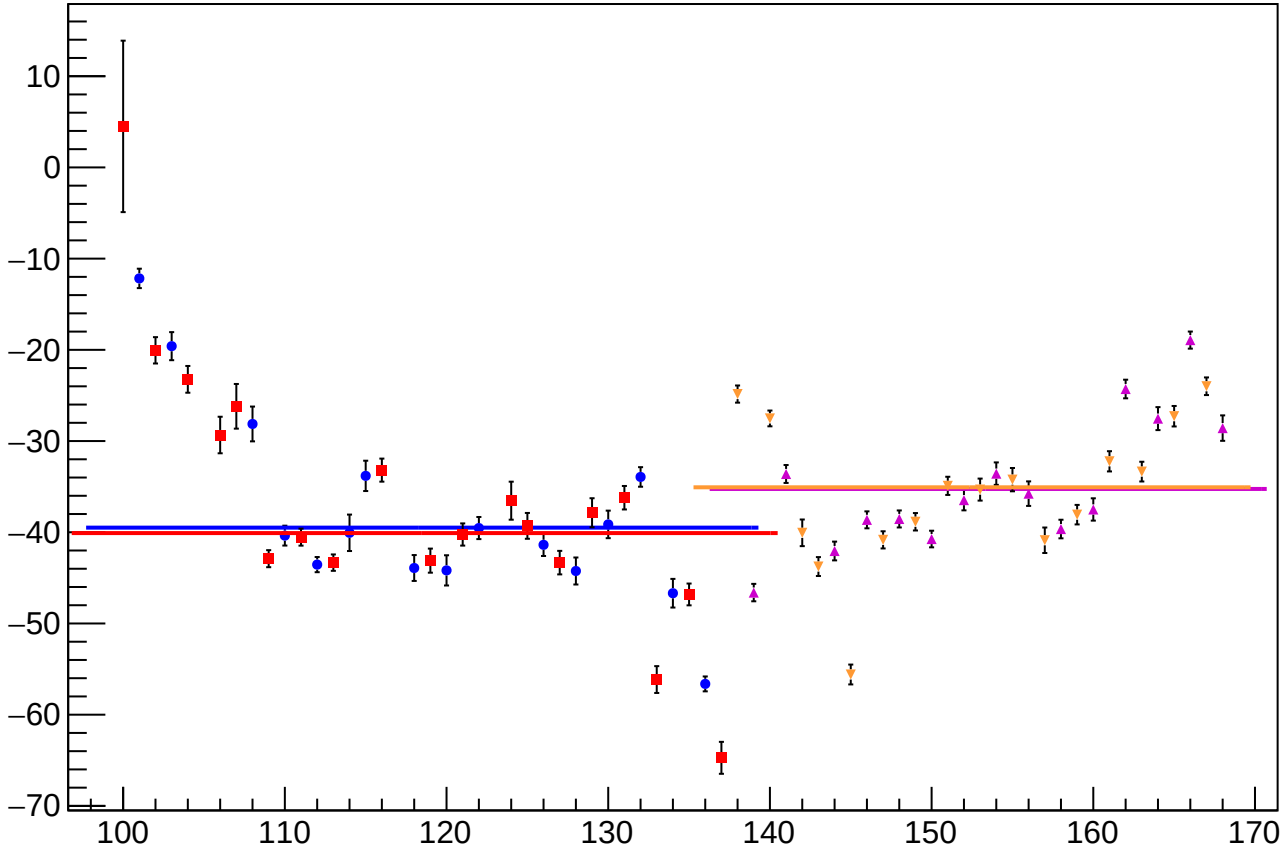
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.910+/-0.009 χ^2/NDF:117981.7/30

Out: -20.537+/-0.009 χ^2/NDF:371639.7/32

All: -20.725+/-0.006 χ^2/NDF: 490559.7/63

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.071+/-0.266 χ^2/NDF:899.0/15

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -35.251+/-0.272 χ^2/NDF:754.1/14

Left: -35.159+/-0.190 χ^2/NDF: 1653.3/30

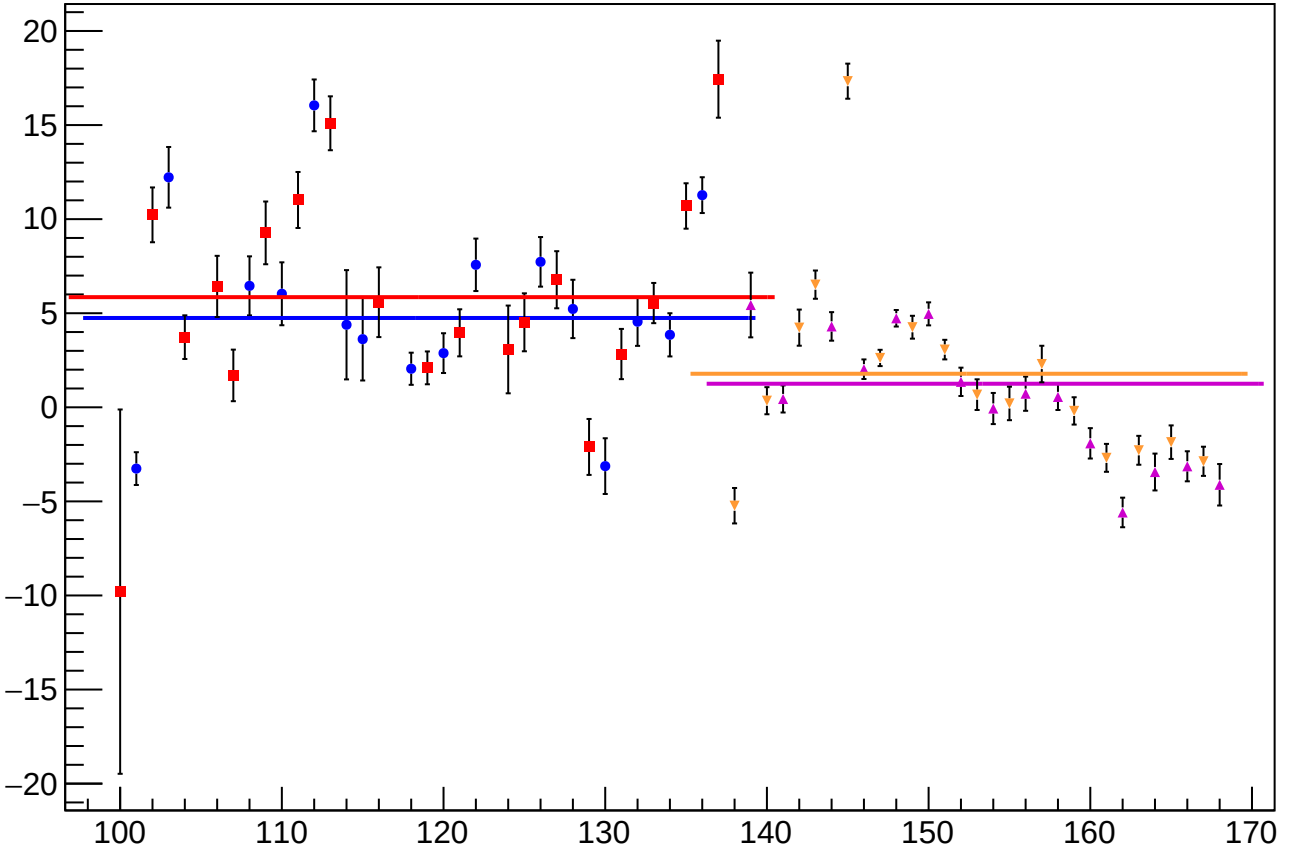
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -37.095+/-0.205 χ^2/NDF:2276.5/30

Out: -37.220+/-0.201 χ^2/NDF:1886.6/34

All: -37.159+/-0.143 χ^2/NDF: 4163.4/65

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.783+/-0.180 χ^2/NDF:539.9/15

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.252+/-0.187 χ^2/NDF:296.9/14

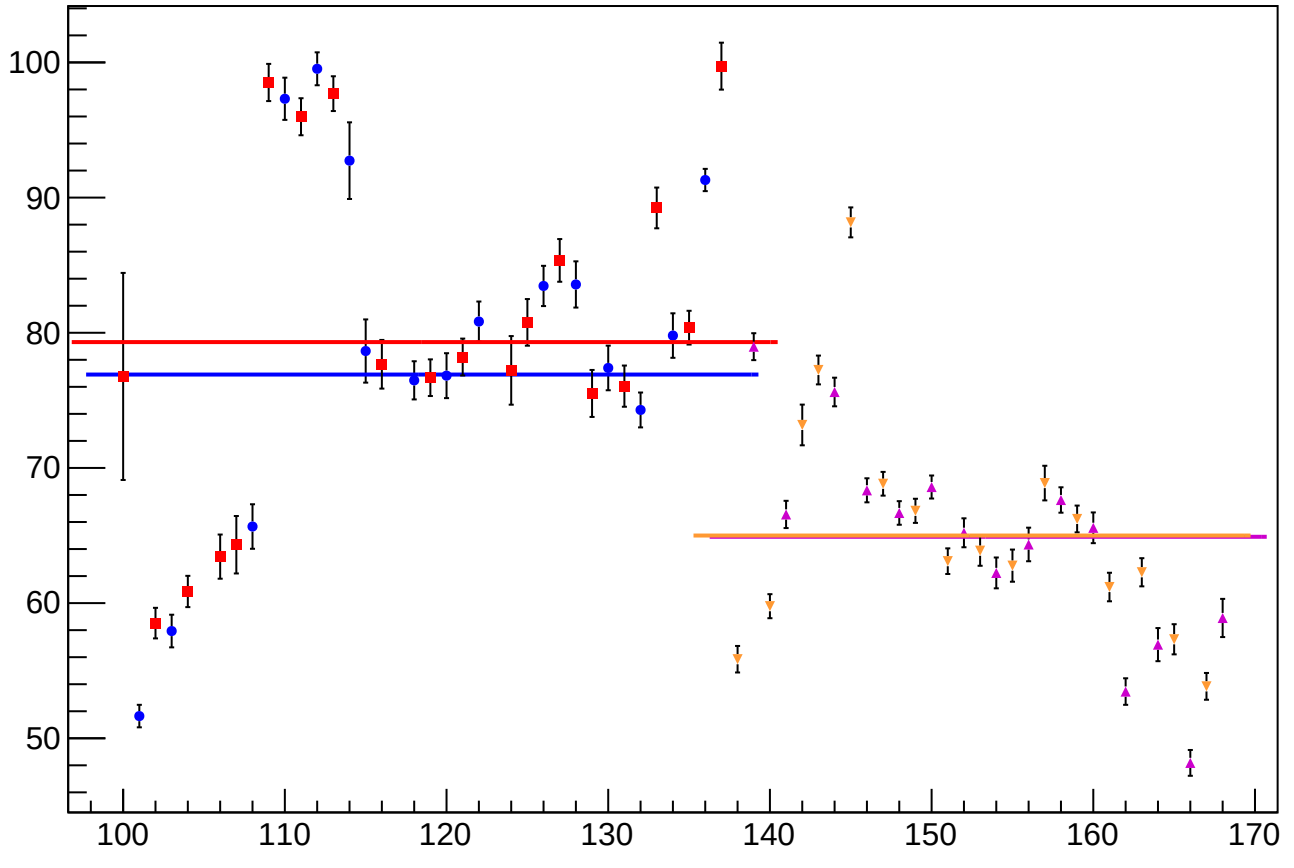
Left: 1.528+/-0.130 χ^2/NDF: 840.9/30

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.158+/-0.161 χ^2/NDF:661.4/30

Out: 2.741+/-0.157 χ^2/NDF:848.3/34

All: 2.456+/-0.112 χ^2/NDF: 1516.4/65



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.000+/-0.259 χ^2/NDF:956.5/15

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 64.907+/-0.264 χ^2/NDF:860.0/14

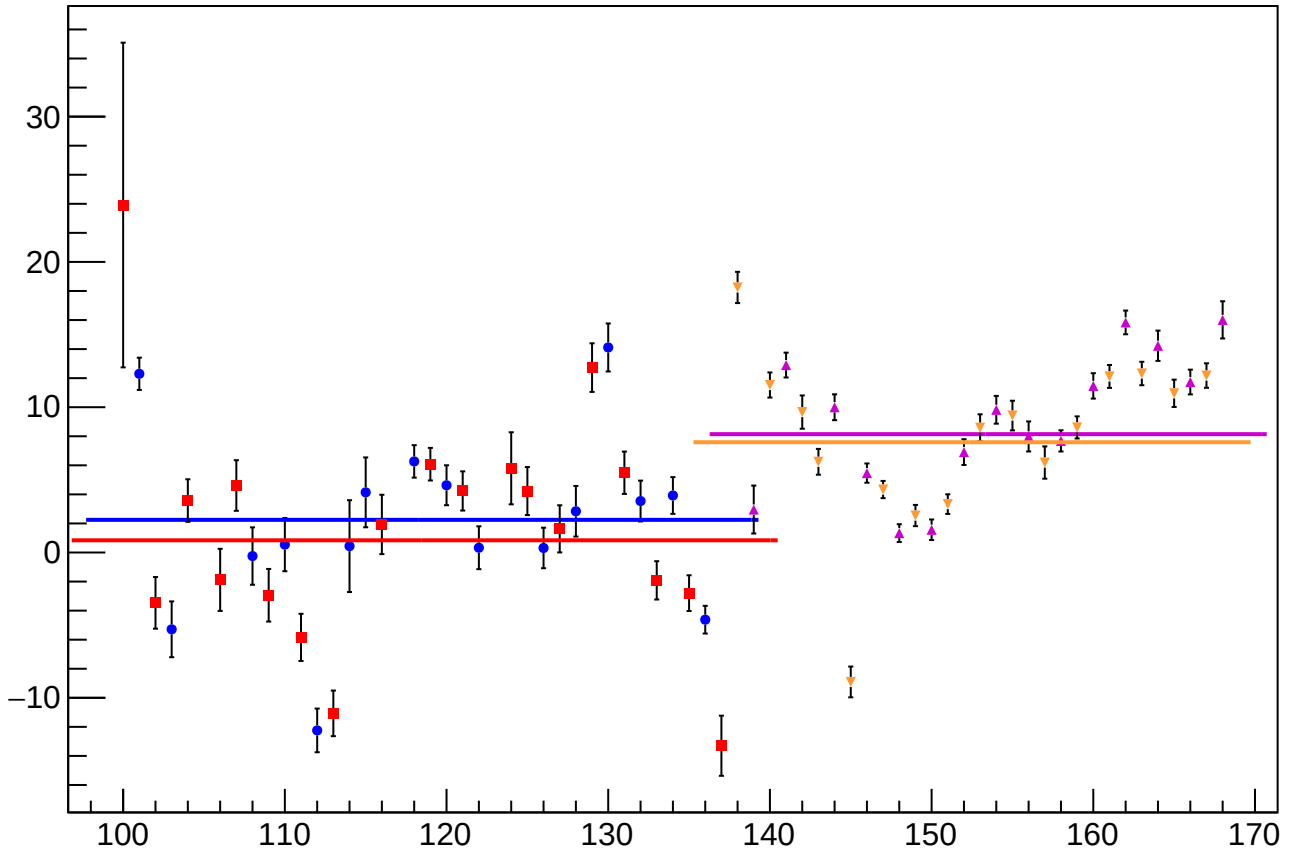
Left: 64.954+/-0.185 χ^2/NDF: 1816.6/30

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.476+/-0.208 χ^2/NDF:3762.2/30

Out: 70.109+/-0.208 χ^2/NDF:3541.1/34

All: 69.793+/-0.147 χ^2/NDF: 7308.0/65



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.591+/-0.211 χ^2/NDF:602.1/15

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 8.145+/-0.219 χ^2/NDF:470.3/14

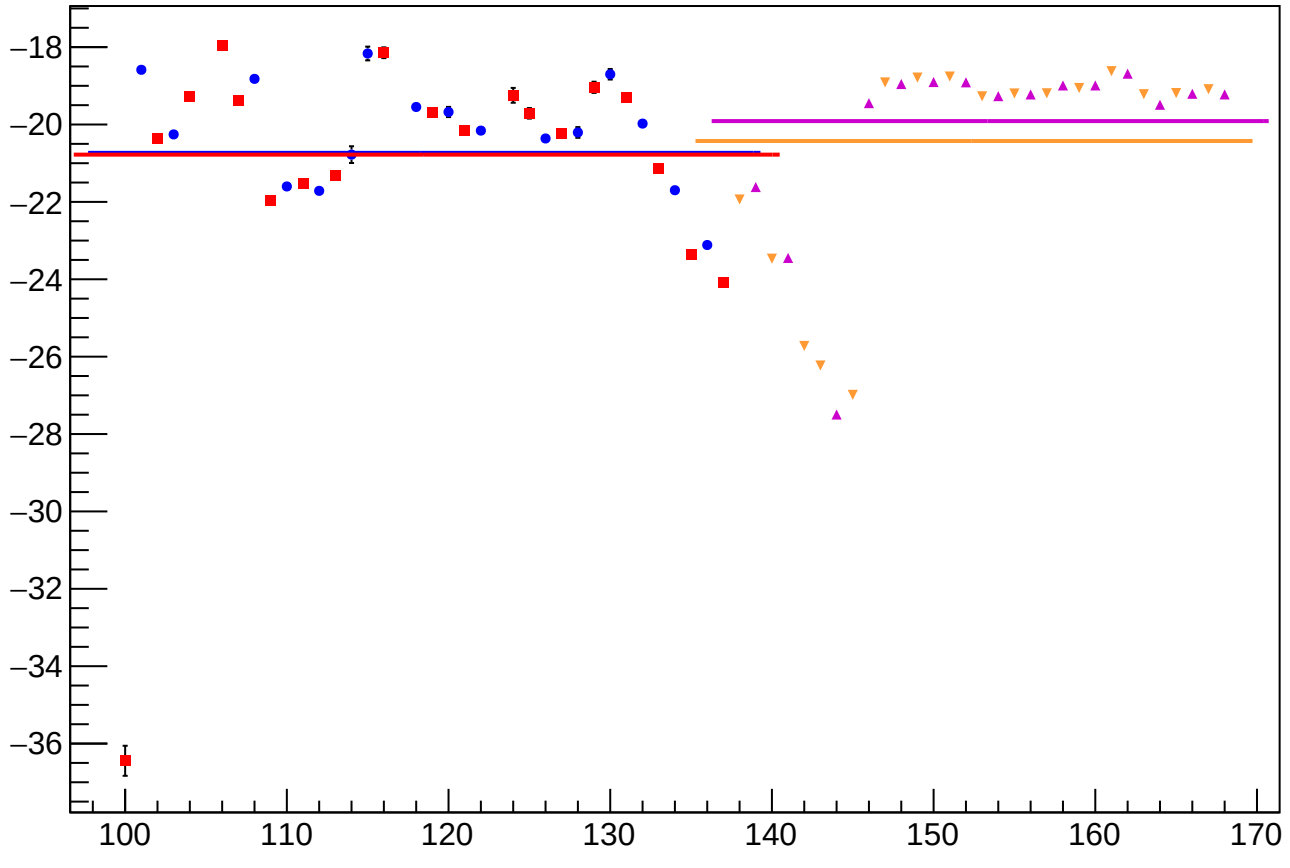
Left: 7.858+/-0.152 χ^2/NDF: 1075.7/30

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.572+/-0.188 χ^2/NDF:983.3/30

Out: 5.943+/-0.184 χ^2/NDF:1107.1/34

All: 6.251+/-0.131 χ^2/NDF: 2096.2/65



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.426+/-0.010 χ^2/NDF:69662.2/15

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.911+/-0.010 χ^2/NDF:41290.4/14

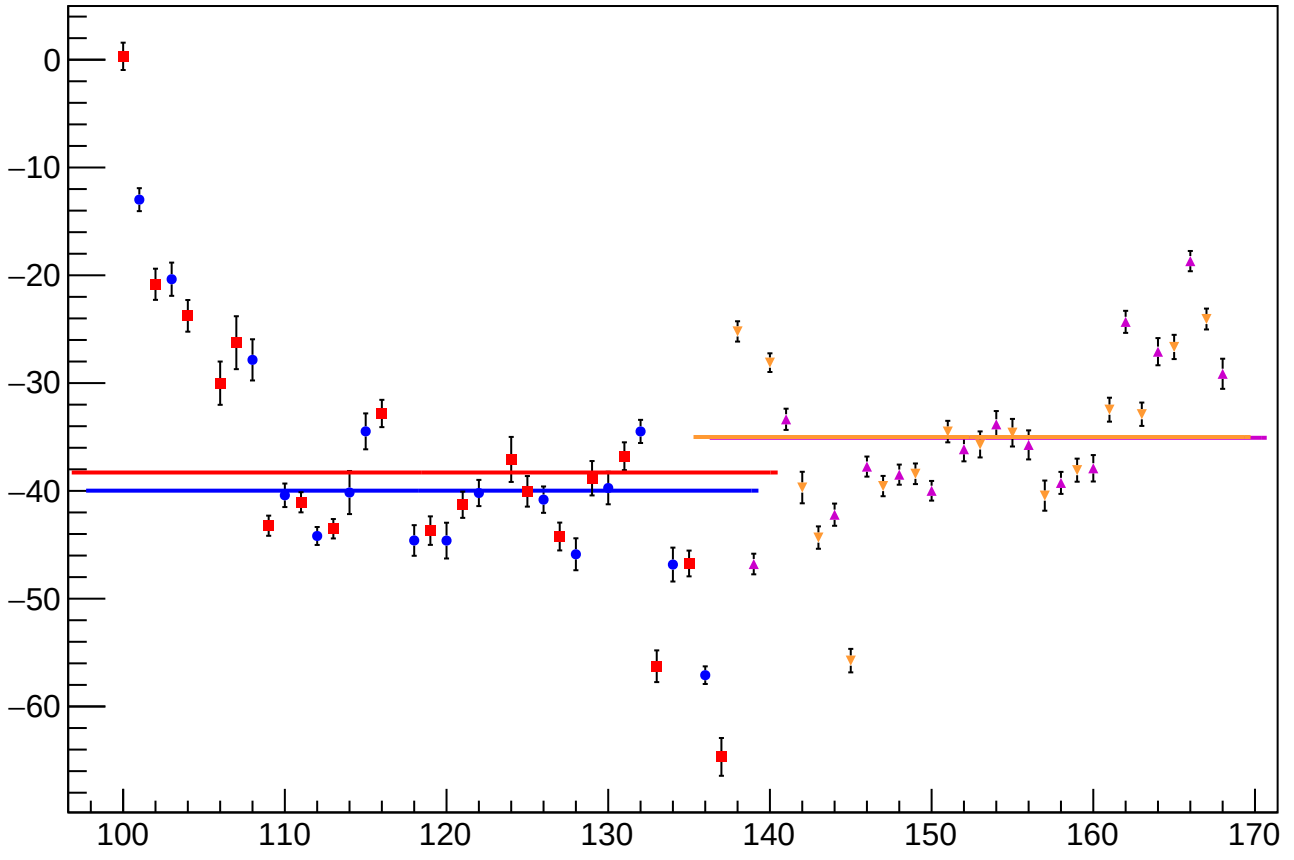
Left: -20.171+/-0.007 χ^2/NDF: 112285.7/30

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.084+/-0.009 χ^2/NDF:50336.8/30

Out: -20.494+/-0.009 χ^2/NDF:79334.5/34

All: -20.289+/-0.006 χ^2/NDF: 130736.7/65



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -35.001+/-0.266 χ^2/NDF:876.5/15

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -35.074+/-0.273 χ^2/NDF:748.8/14

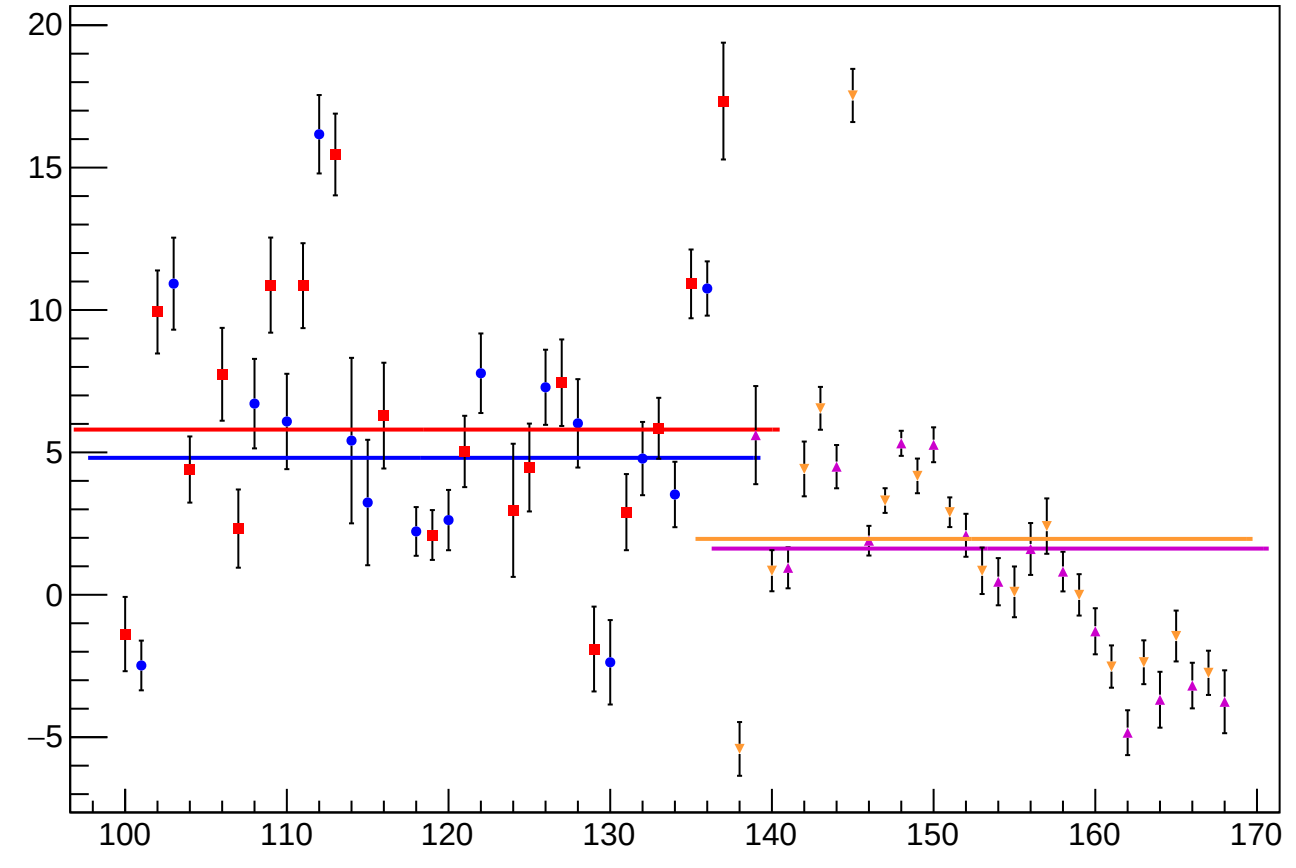
Left: -35.037+/-0.191 χ^2/NDF: 1625.3/30

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -37.208+/-0.205 χ^2/NDF:2287.7/30

Out: -36.457+/-0.199 χ^2/NDF:2717.9/34

All: -36.821+/-0.143 χ^2/NDF: 5012.5/65



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.962+/-0.180 χ^2/NDF:544.5/15

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.622+/-0.187 χ^2/NDF:299.7/14

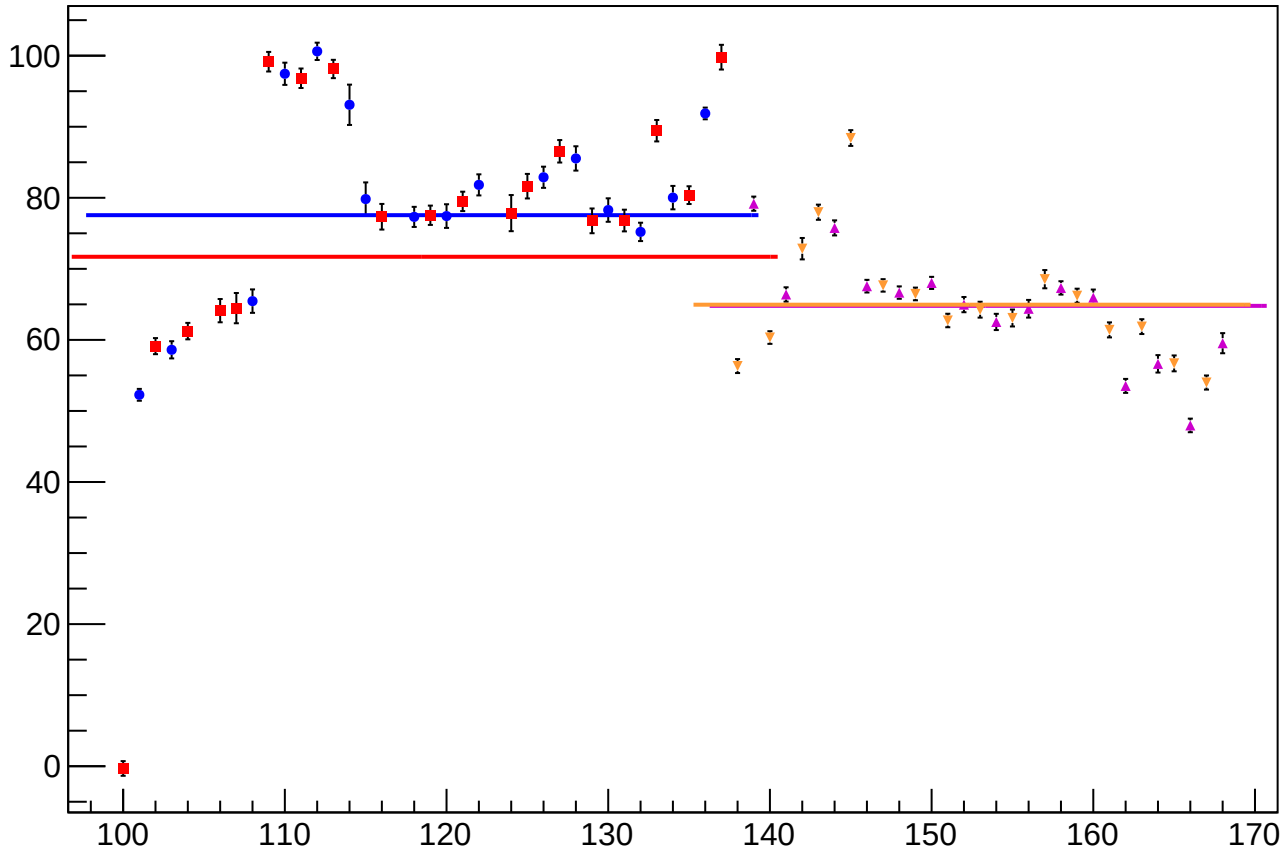
Left: 1.799+/-0.130 χ^2/NDF: 846.0/30

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.448+/-0.161 χ^2/NDF:615.3/30

Out: 2.907+/-0.156 χ^2/NDF:872.9/34

All: 2.685+/-0.112 χ^2/NDF: 1492.4/65



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.953+/-0.260 χ^2/NDF:953.4/15

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.791+/-0.265 χ^2/NDF:856.3/14

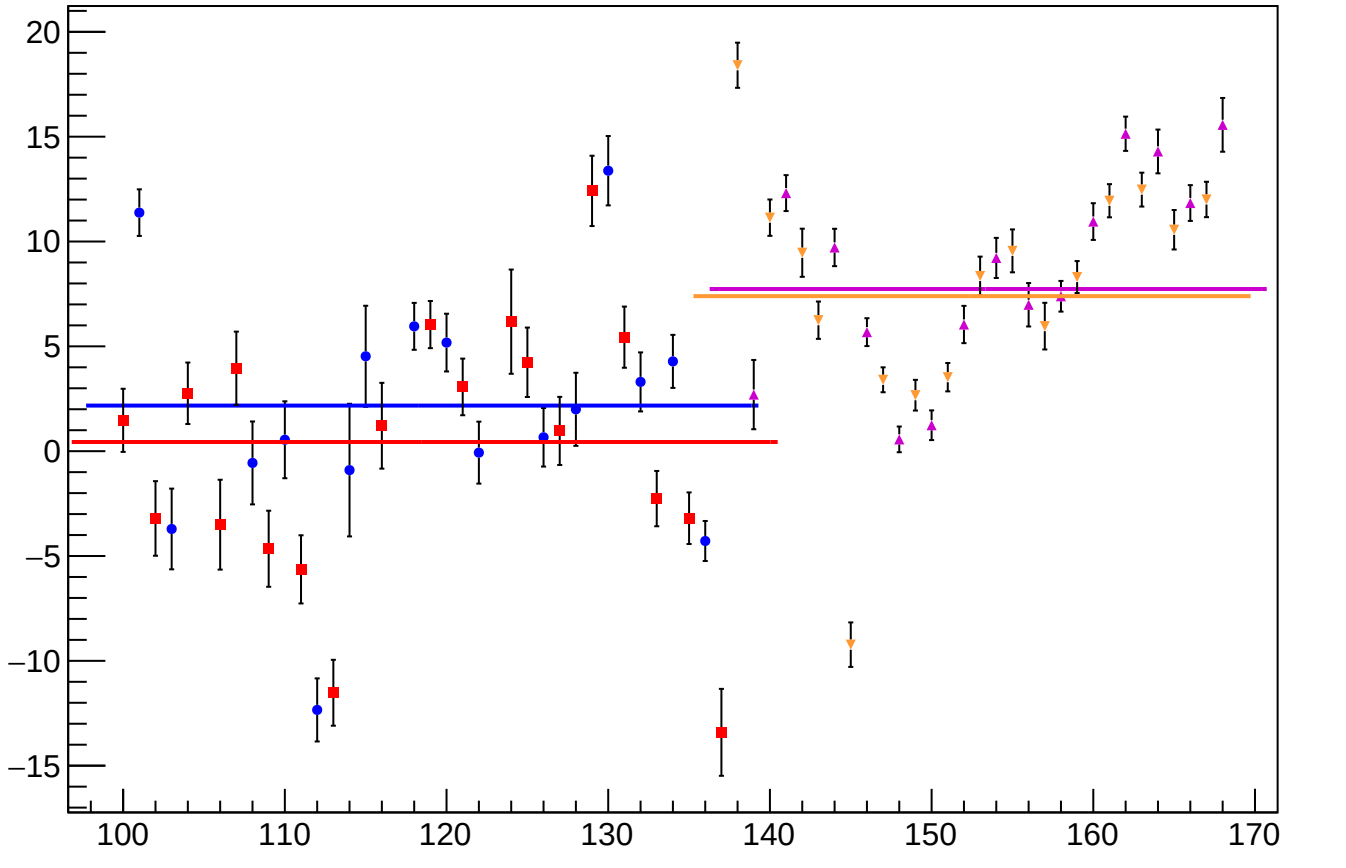
Left: 64.873+/-0.185 χ^2/NDF: 1809.9/30

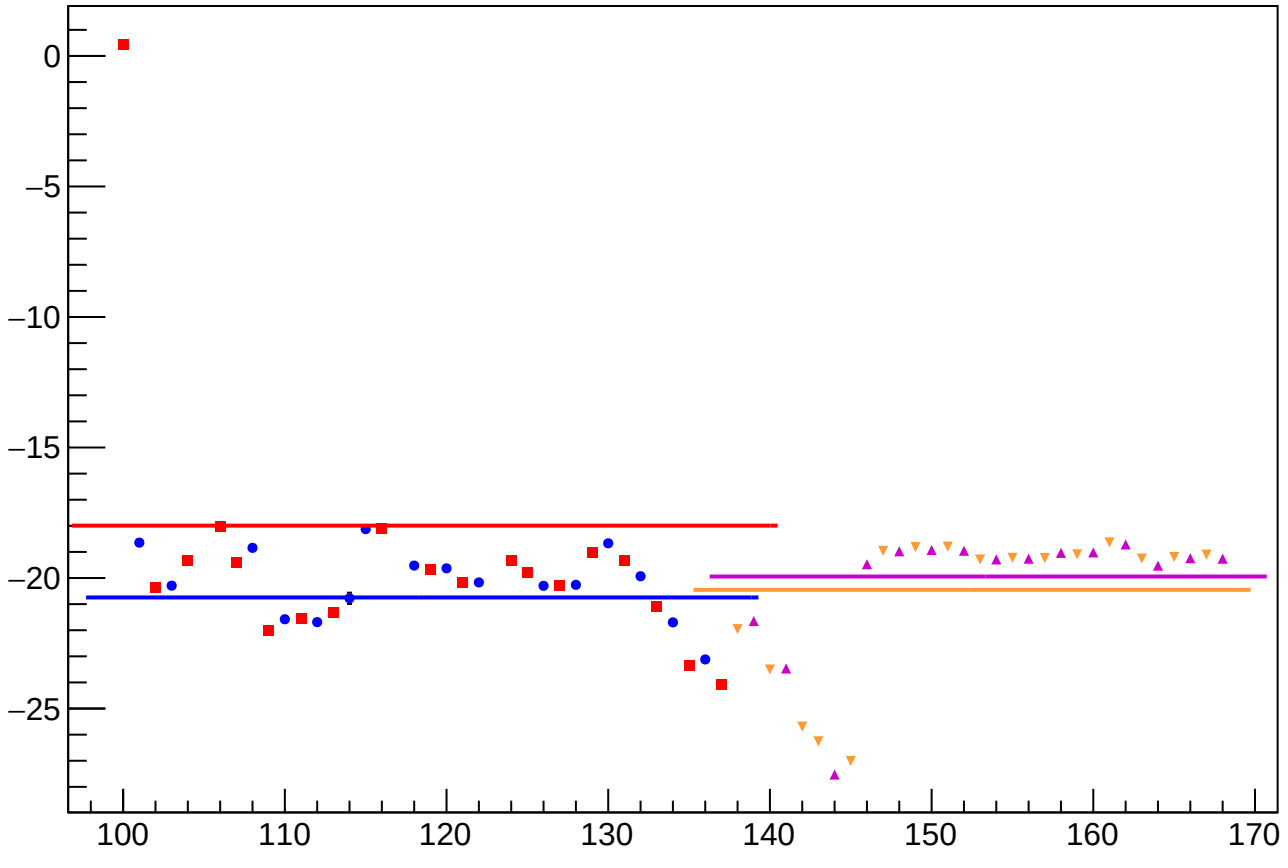
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

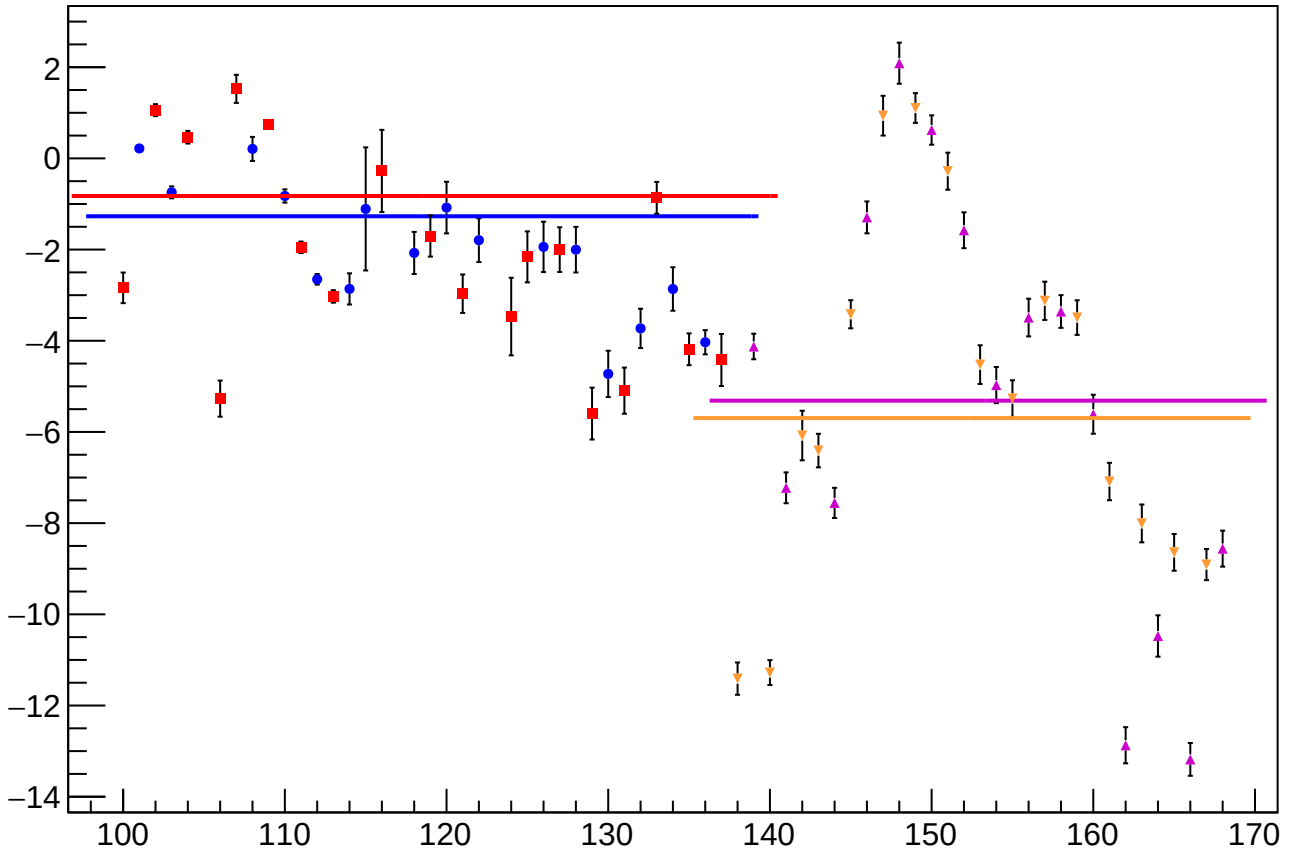
In: 69.651+/-0.208 χ^2/NDF:3860.7/30

Out: 67.528+/-0.204 χ^2/NDF:8114.6/34

All: 68.569+/-0.146 χ^2/NDF: 12028.3/65


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.394+/-0.212 χ²/NDF:615.4/15
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.735+/-0.219 χ²/NDF:475.7/14
Left: 7.558+/-0.152 χ²/NDF: 1092.3/30
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.250+/-0.188 χ²/NDF:937.3/30
Out: 5.621+/-0.183 χ²/NDF:1144.8/34
All: 5.927+/-0.131 χ²/NDF: 2087.9/65


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.453+/-0.010 χ²/NDF:69236.5/15
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.942+/-0.010 χ²/NDF:41104.5/14
Left: -20.200+/-0.007 χ²/NDF: 111647.6/30
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.111+/-0.009 χ²/NDF:49961.6/30
Out: -19.919+/-0.009 χ²/NDF:233109.8/34
All: -20.014+/-0.006 χ²/NDF: 283305.8/65



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.696+/-0.094 χ^2/NDF:1845.0/15

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.314+/-0.095 χ^2/NDF:2017.4/14

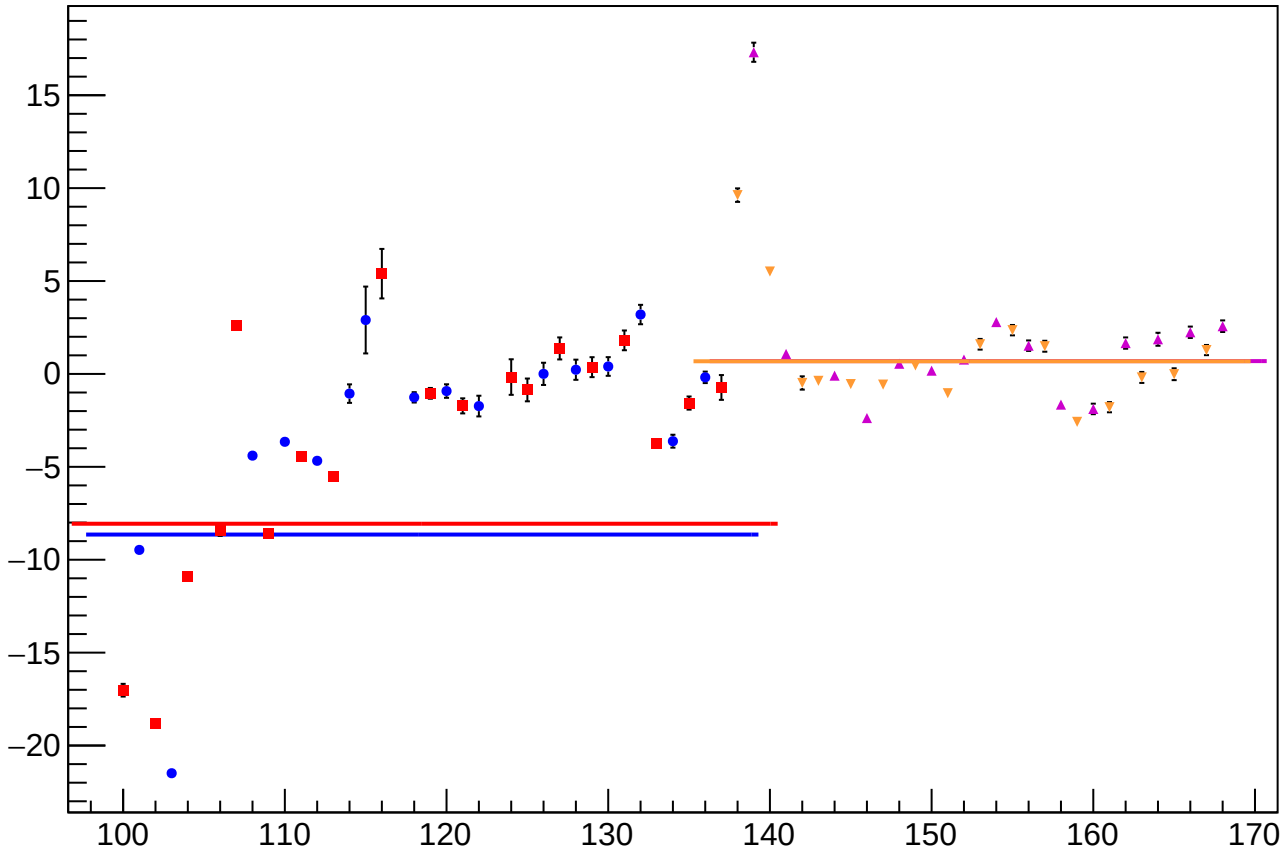
Left: -5.508+/-0.067 χ^2/NDF: 3870.6/30

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.270+/-0.047 χ^2/NDF:3995.0/30

Out: -1.942+/-0.045 χ^2/NDF:5317.9/34

All: -2.097+/-0.033 χ^2/NDF: 9338.2/65



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.681+/-0.066 χ^2/NDF:1504.4/15

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.690+/-0.069 χ^2/NDF:1594.9/14

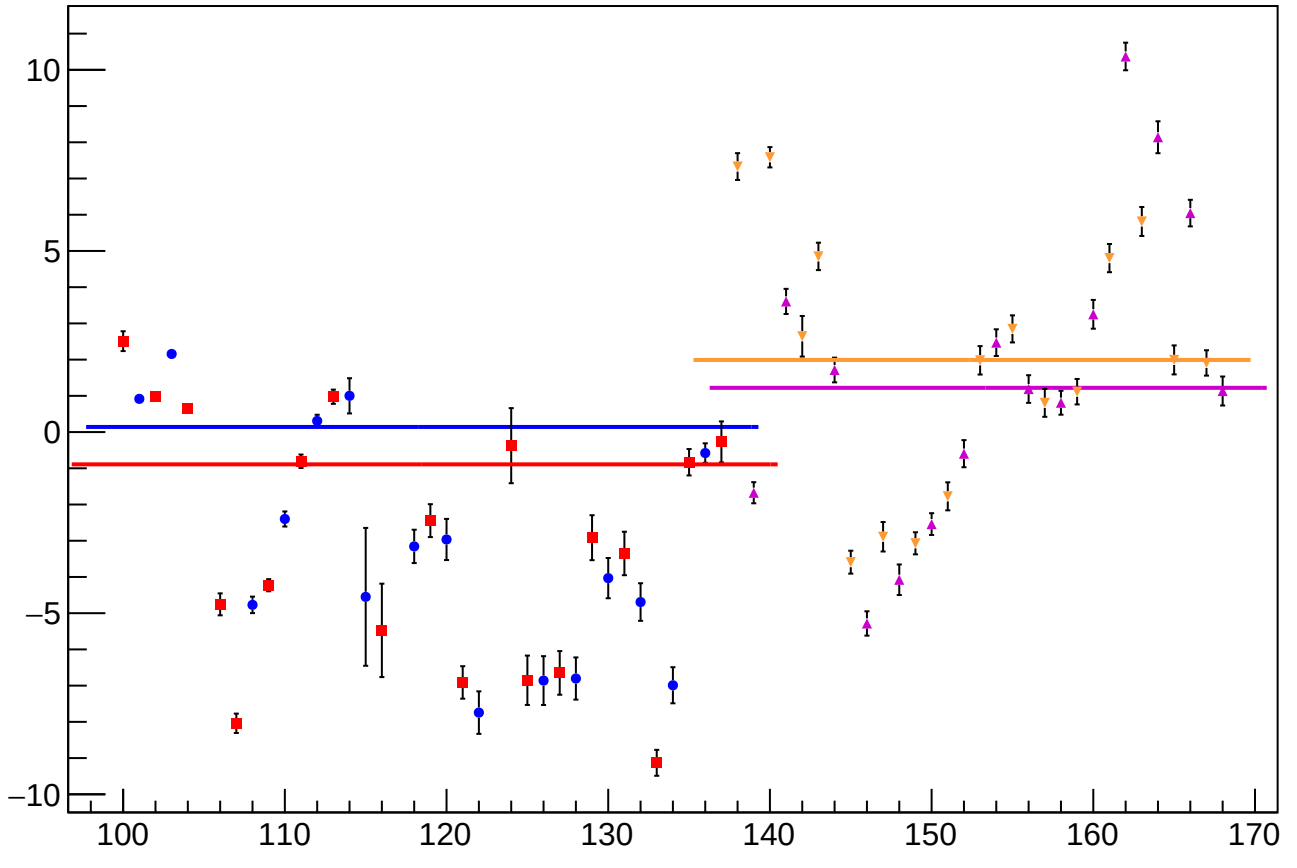
Left: 0.685+/-0.048 χ^2/NDF: 3099.3/30

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.855+/-0.044 χ^2/NDF:26335.5/30

Out: -4.297+/-0.043 χ^2/NDF:25889.9/34

All: -4.573+/-0.031 χ^2/NDF: 52307.1/65



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.991+/-0.092 χ^2/NDF:1654.2/15

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 1.222+/-0.093 χ^2/NDF:1895.0/14

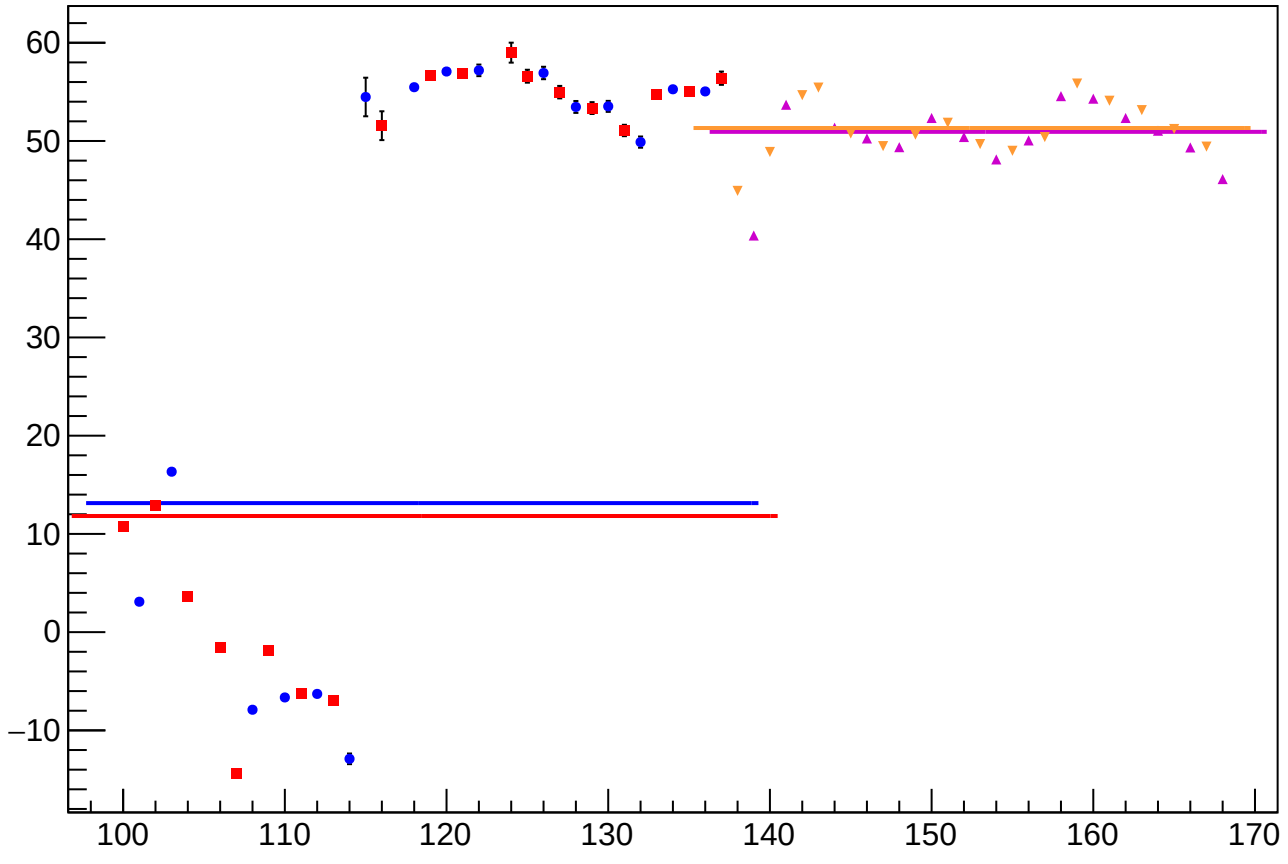
Left: 1.611+/-0.065 χ^2/NDF: 3584.1/30

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.408+/-0.046 χ^2/NDF:3957.4/30

Out: -0.155+/-0.046 χ^2/NDF:5378.1/34

All: 0.128+/-0.033 χ^2/NDF: 9409.9/65



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.320+/-0.077 χ^2/NDF:1139.9/15

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.930+/-0.079 χ^2/NDF:1243.7/14

Left: 51.132+/-0.055 χ^2/NDF: 2396.2/30

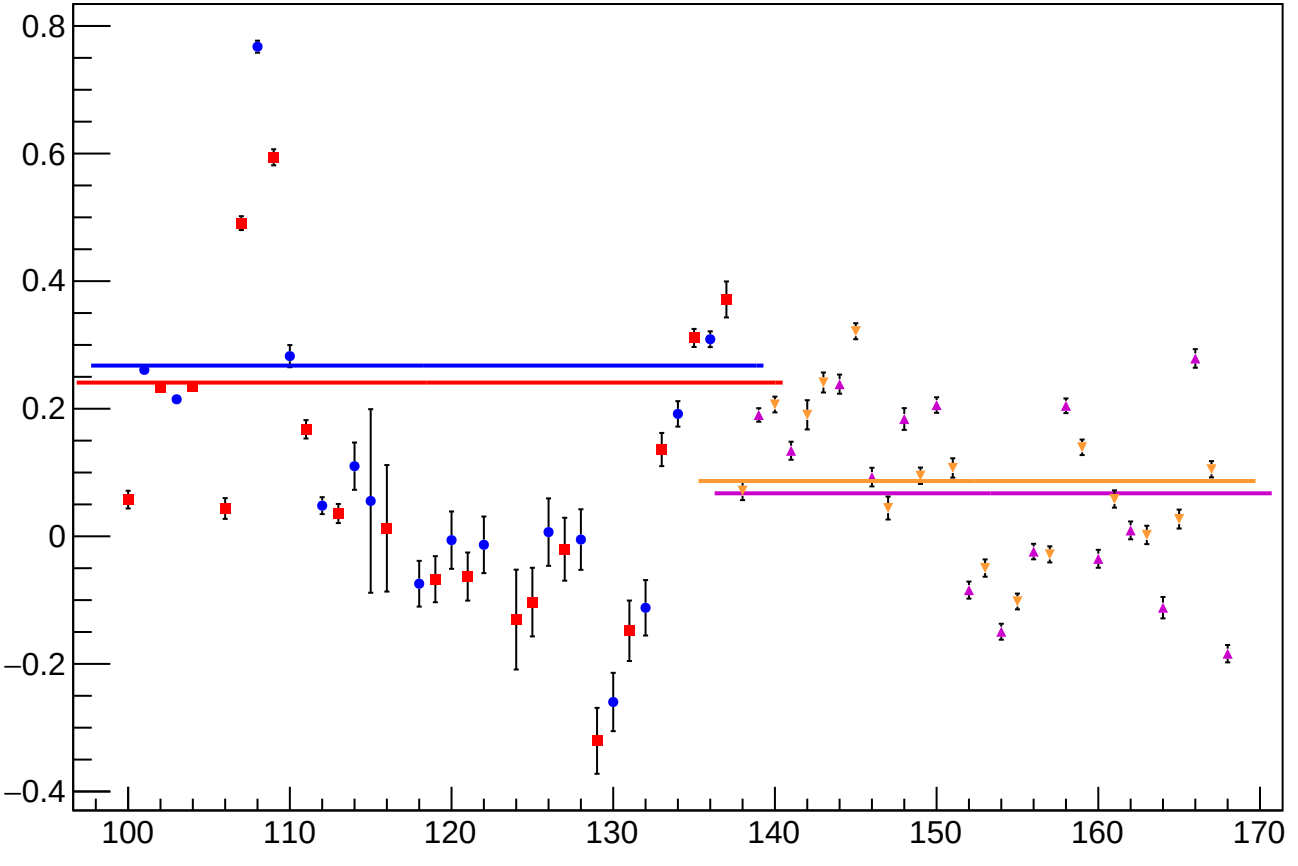
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 29.183+/-0.052 χ^2/NDF:241194.4/30

Out: 29.212+/-0.051 χ^2/NDF:268519.5/34

All: 29.198+/-0.036 χ^2/NDF: 509714.1/65

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: 0.087+/-0.003 χ^2/NDF:1065.8/15

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.067+/-0.003 χ^2/NDF:1830.0/14

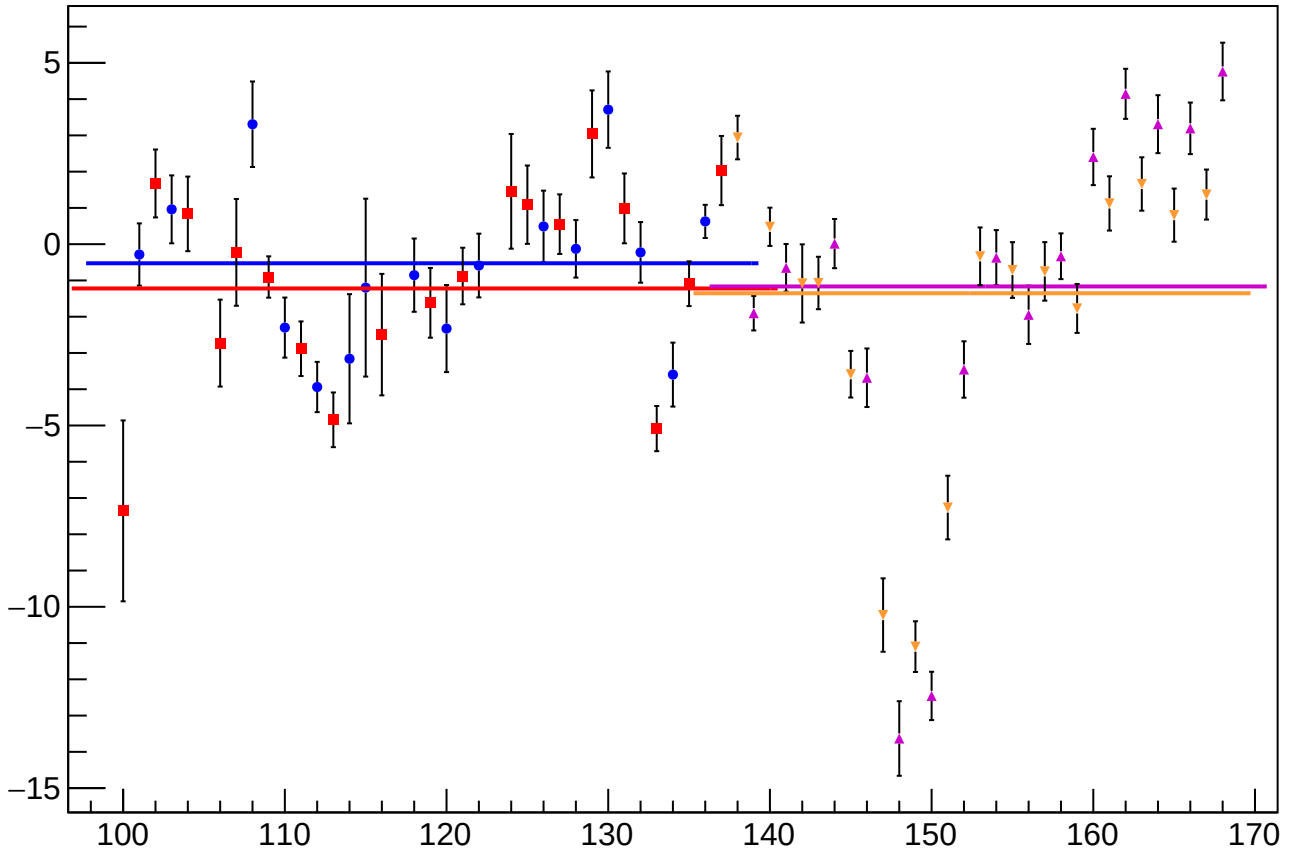
Left: 0.077+/-0.002 χ^2/NDF: 2911.2/30

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.189+/-0.002 χ^2/NDF:7575.0/30

Out: 0.182+/-0.002 χ^2/NDF:4621.1/34

All: 0.185+/-0.002 χ^2/NDF: 12201.7/65



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.353+/-0.181 χ^2/NDF:447.2/15

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.166+/-0.183 χ^2/NDF:667.2/14

Left: -1.260+/-0.129 χ^2/NDF: 1114.9/30

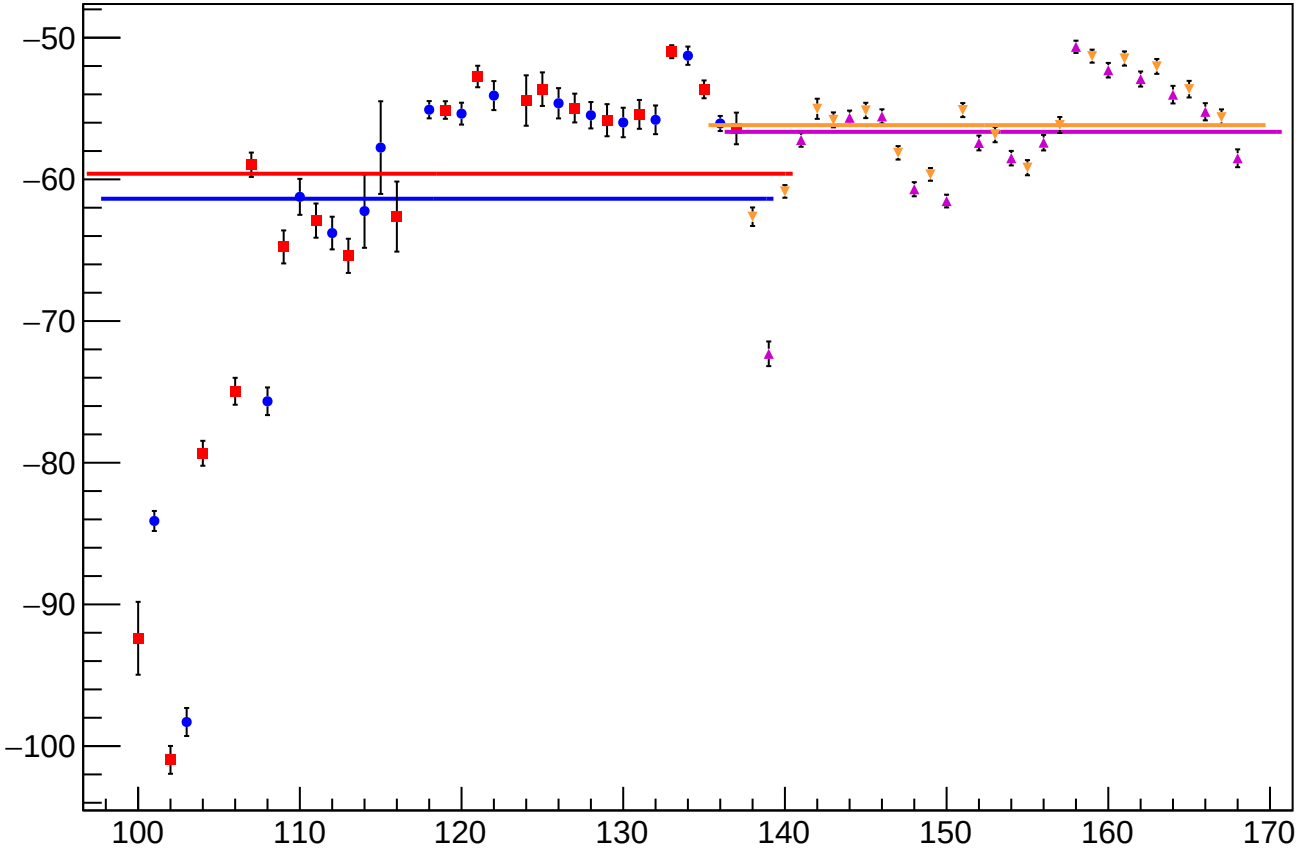
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.901+/-0.140 χ^2/NDF:755.0/30

Out: -1.295+/-0.136 χ^2/NDF:578.4/34

All: -1.104+/-0.097 χ^2/NDF: 1337.5/65

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.171+/-0.131 χ^2/NDF:609.7/15

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.645+/-0.137 χ^2/NDF:878.8/14

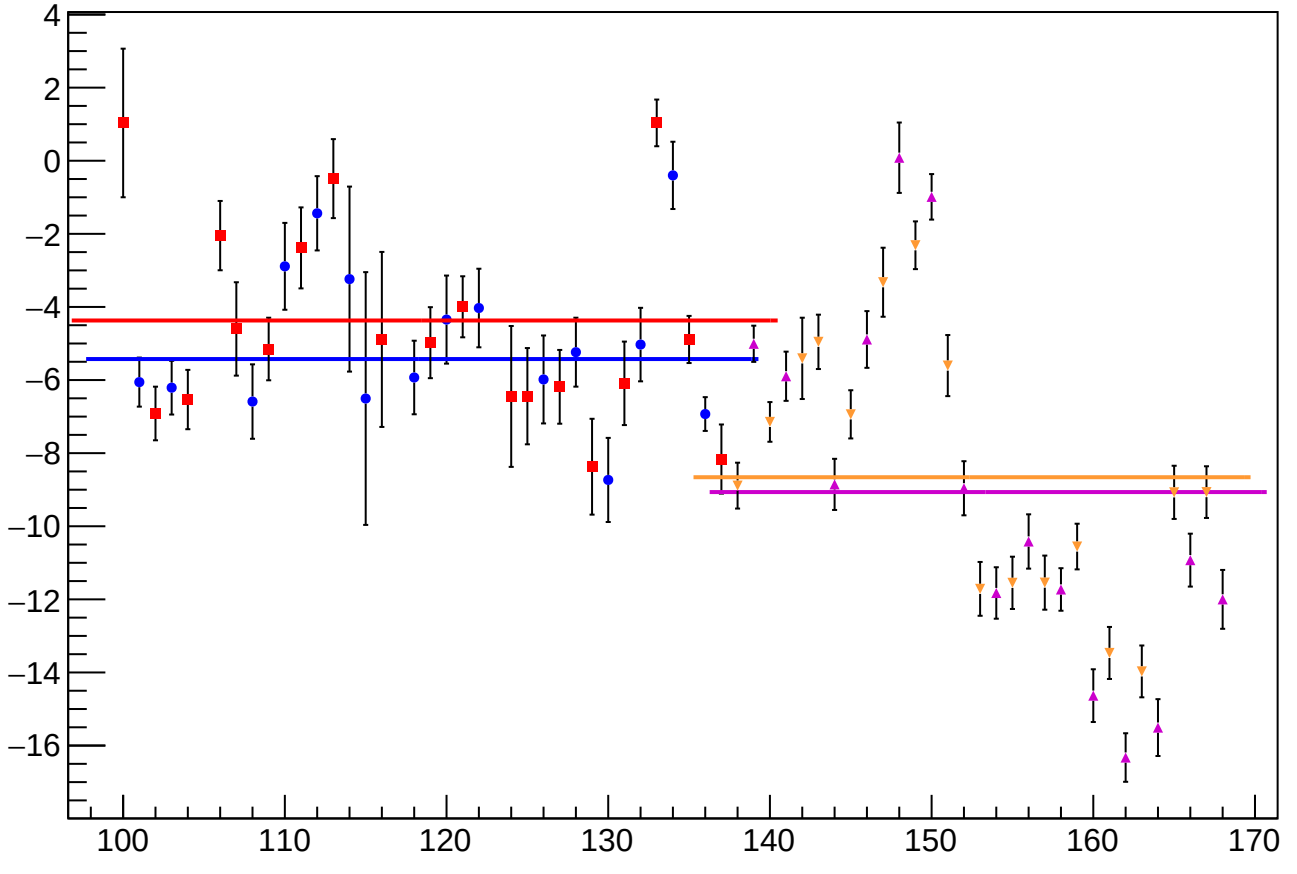
Left: -56.399+/-0.095 χ^2/NDF: 1494.9/30

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.966+/-0.116 χ^2/NDF:4564.8/30

Out: -57.155+/-0.111 χ^2/NDF:4227.6/34

All: -57.542+/-0.080 χ^2/NDF: 8818.0/65



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.659+/-0.177 χ^2/NDF:348.1/15

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -9.065+/-0.178 χ^2/NDF:684.3/14

Left: -8.861+/-0.126 χ^2/NDF: 1035.0/30

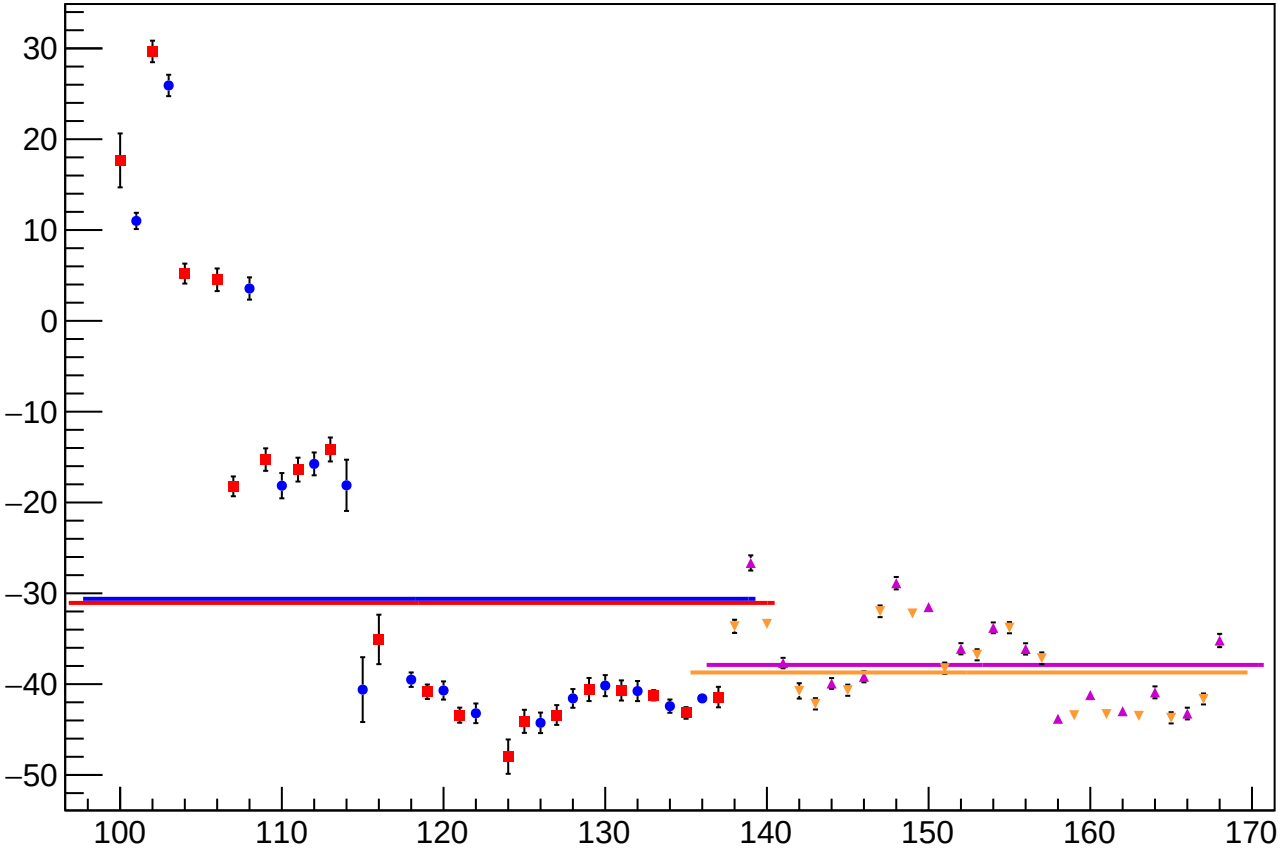
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.701+/-0.141 χ^2/NDF:916.9/30

Out: -6.993+/-0.139 χ^2/NDF:731.8/34

All: -7.341+/-0.099 χ^2/NDF: 1661.5/65

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: -38.717+/-0.150 χ^2/NDF:863.5/15

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.883+/-0.155 χ^2/NDF:977.8/14

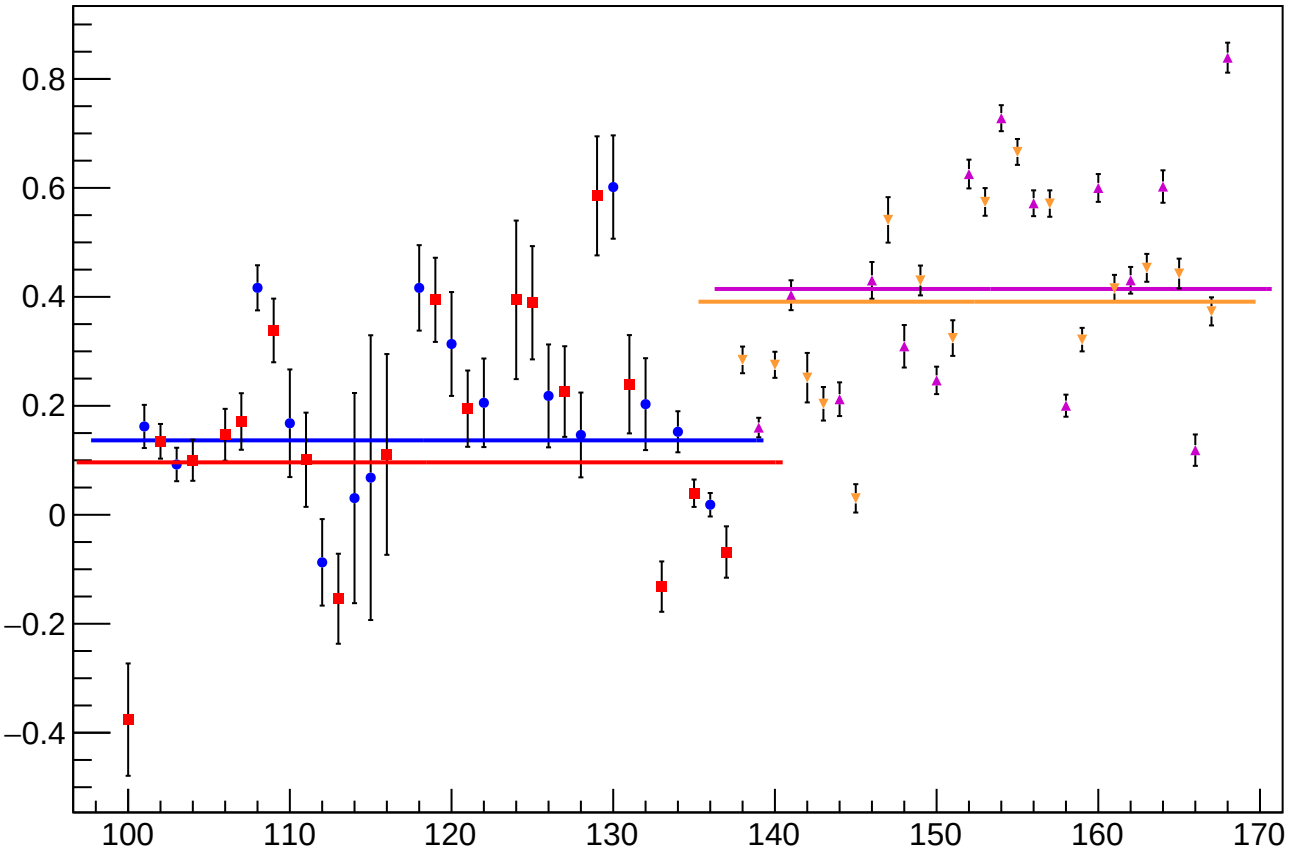
Left: -38.313+/-0.108 χ^2/NDF: 1856.3/30

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.863+/-0.131 χ^2/NDF:8531.1/30

Out: -36.540+/-0.127 χ^2/NDF:8583.1/34

All: -36.214+/-0.091 χ^2/NDF: 17127.9/65



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.391+/-0.007 χ^2/NDF:562.6/15

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.415+/-0.007 χ^2/NDF:1125.2/14

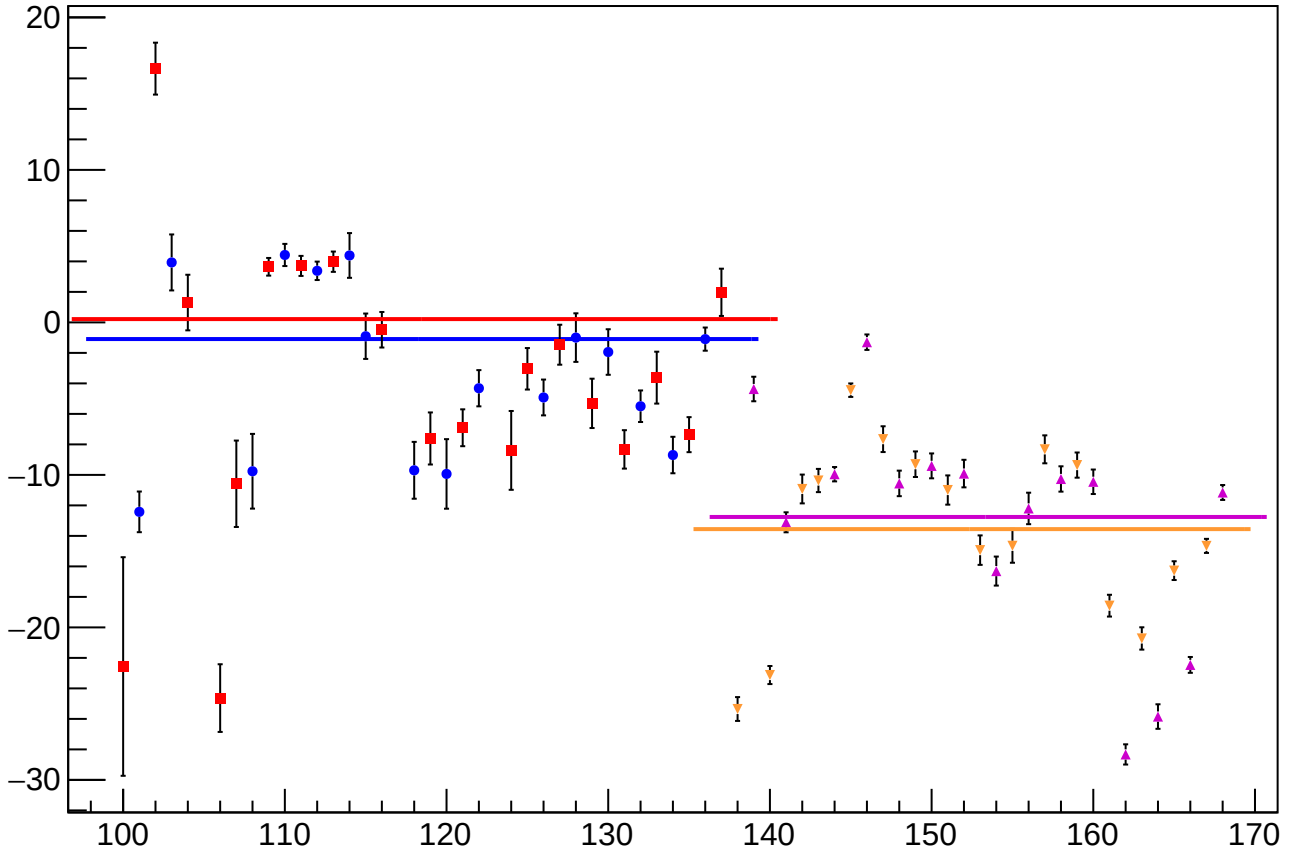
Left: 0.403+/-0.005 χ^2/NDF: 1694.0/30

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.354+/-0.006 χ^2/NDF:1640.5/30

Out: 0.324+/-0.006 χ^2/NDF:1152.0/34

All: 0.339+/-0.004 χ^2/NDF: 2805.0/65



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.555+/-0.177 χ^2/NDF:1253.2/15

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.758+/-0.174 χ^2/NDF:1897.0/14

Left: -13.150+/-0.124 χ^2/NDF: 3160.6/30

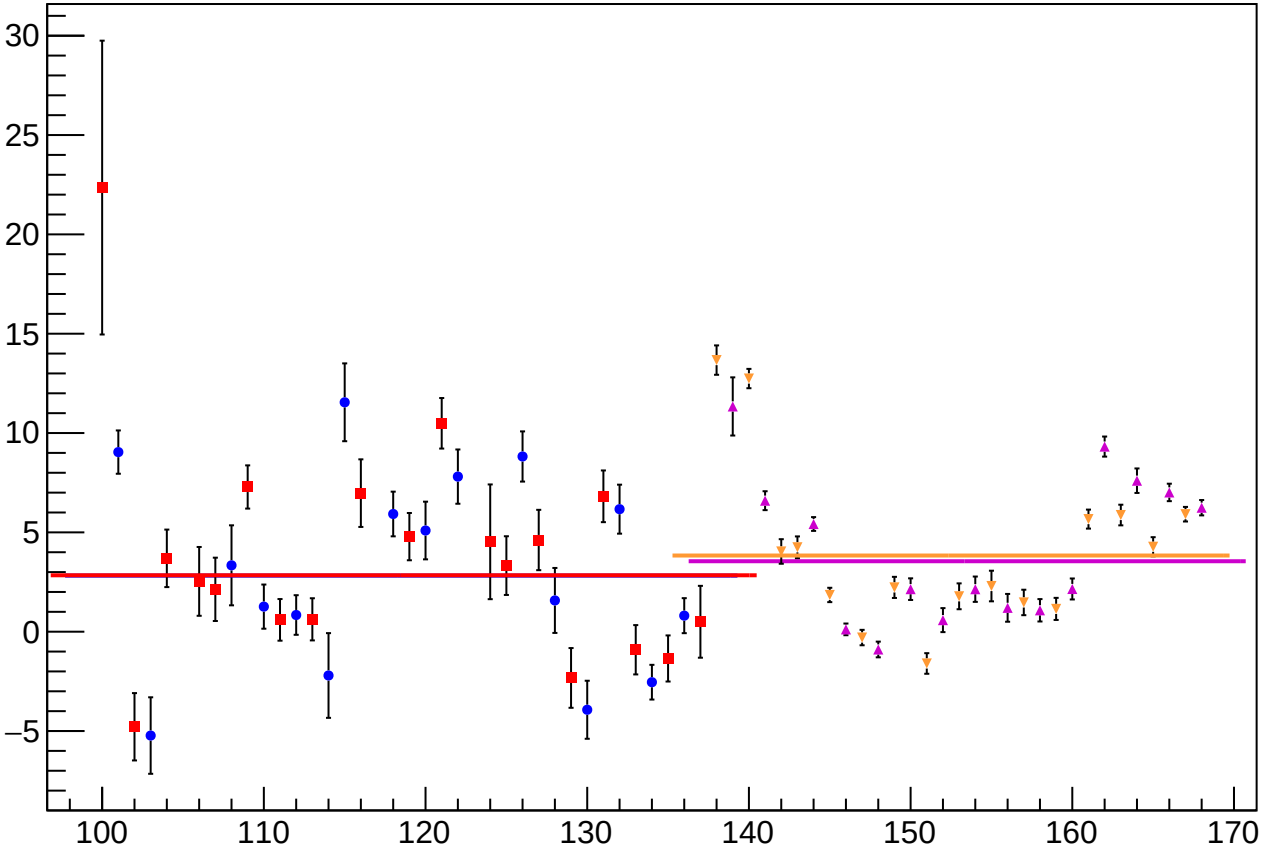
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.528+/-0.148 χ^2/NDF:3479.0/30

Out: -9.346+/-0.147 χ^2/NDF:3632.7/34

All: -9.437+/-0.104 χ^2/NDF: 7112.5/65

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.835+/-0.126 χ^2/NDF:889.2/15

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.547+/-0.122 χ^2/NDF:718.2/14

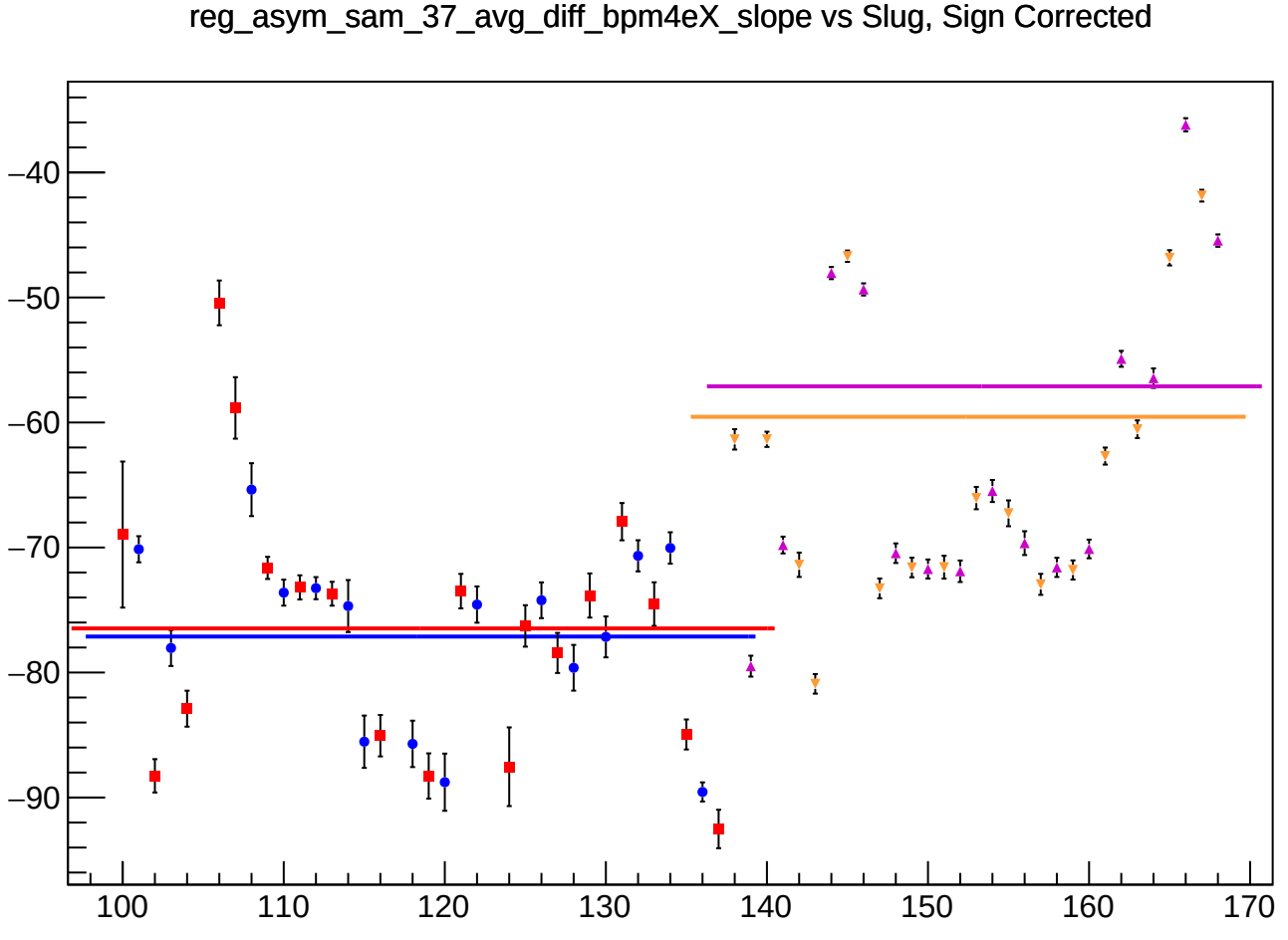
Left: 3.686+/-0.088 χ^2/NDF: 1610.0/30

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.451+/-0.114 χ^2/NDF:922.4/30

Out: 3.703+/-0.117 χ^2/NDF:1042.4/34

All: 3.573+/-0.082 χ^2/NDF: 1967.1/65



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -59.543+/-0.175 χ^2/NDF:4886.9/15

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -57.110+/-0.171 χ^2/NDF:5676.9/14

Left: -58.297+/-0.122 χ^2/NDF: 10663.2/30

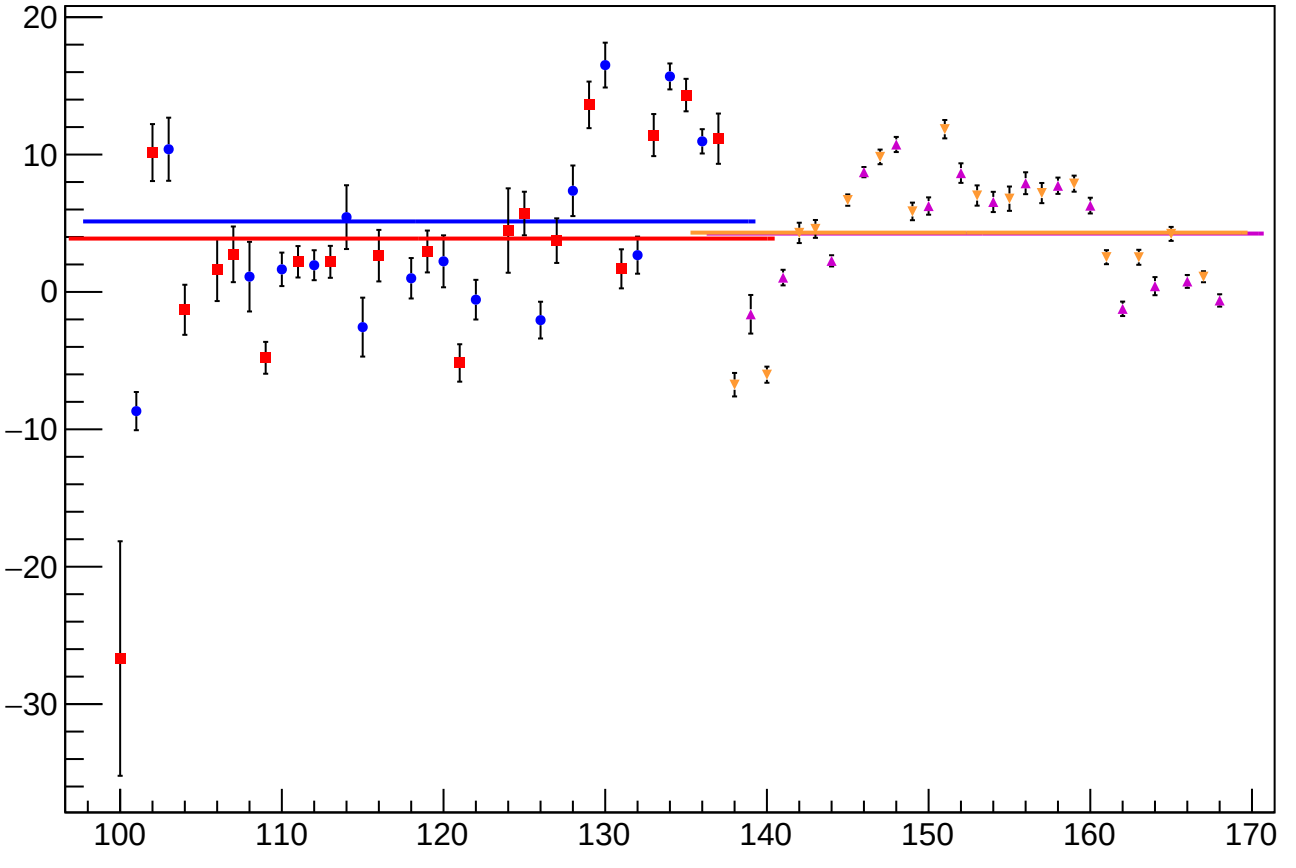
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -61.403+/-0.151 χ^2/NDF:9135.5/30

Out: -63.277+/-0.154 χ^2/NDF:7653.6/34

All: -62.321+/-0.108 χ^2/NDF: 16864.5/65

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.317+/-0.145 χ^2/NDF:911.7/15

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.249+/-0.142 χ^2/NDF:797.2/14

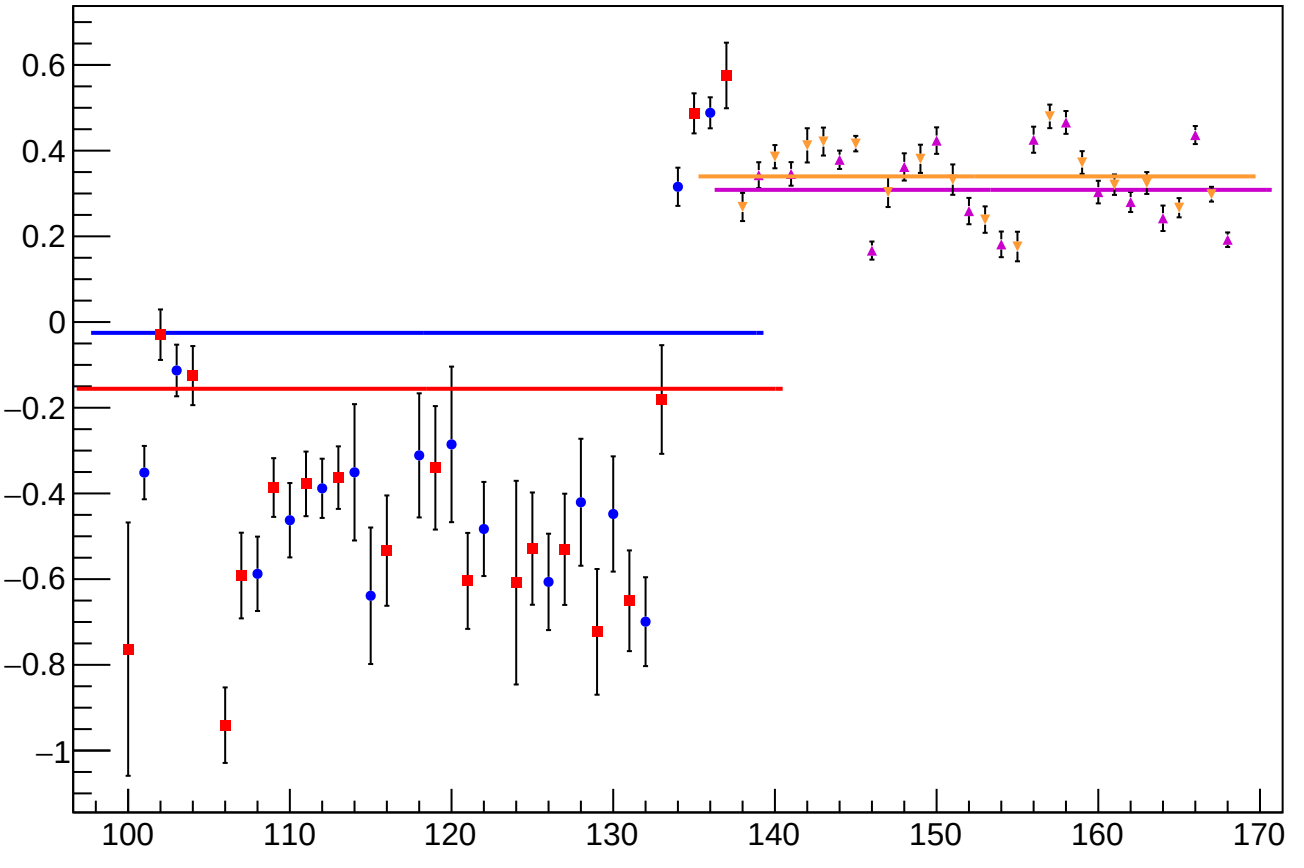
Left: 4.282+/-0.102 χ^2/NDF: 1709.0/30

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.375+/-0.132 χ^2/NDF:1215.0/30

Out: 4.257+/-0.134 χ^2/NDF:1204.4/34

All: 4.317+/-0.094 χ^2/NDF: 2419.8/65



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.340+/-0.007 χ^2/NDF:115.8/15

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.309+/-0.007 χ^2/NDF:235.8/14

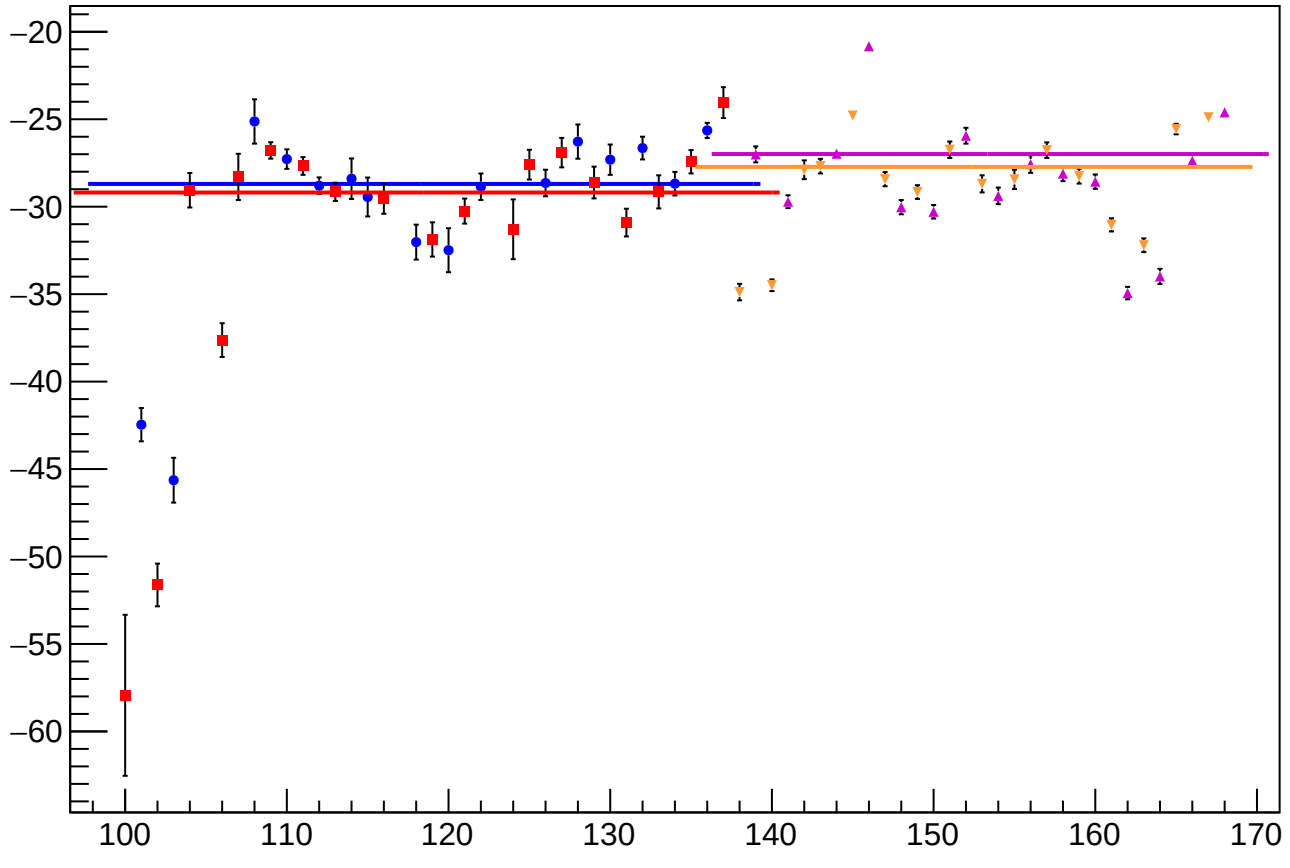
Left: 0.324+/-0.005 χ^2/NDF: 363.0/30

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.273+/-0.006 χ^2/NDF:1026.0/30

Out: 0.292+/-0.006 χ^2/NDF:1153.6/34

All: 0.282+/-0.004 χ^2/NDF: 2183.9/65



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.724+/-0.088 χ^2/NDF:1322.0/15

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.990+/-0.084 χ^2/NDF:1996.0/14

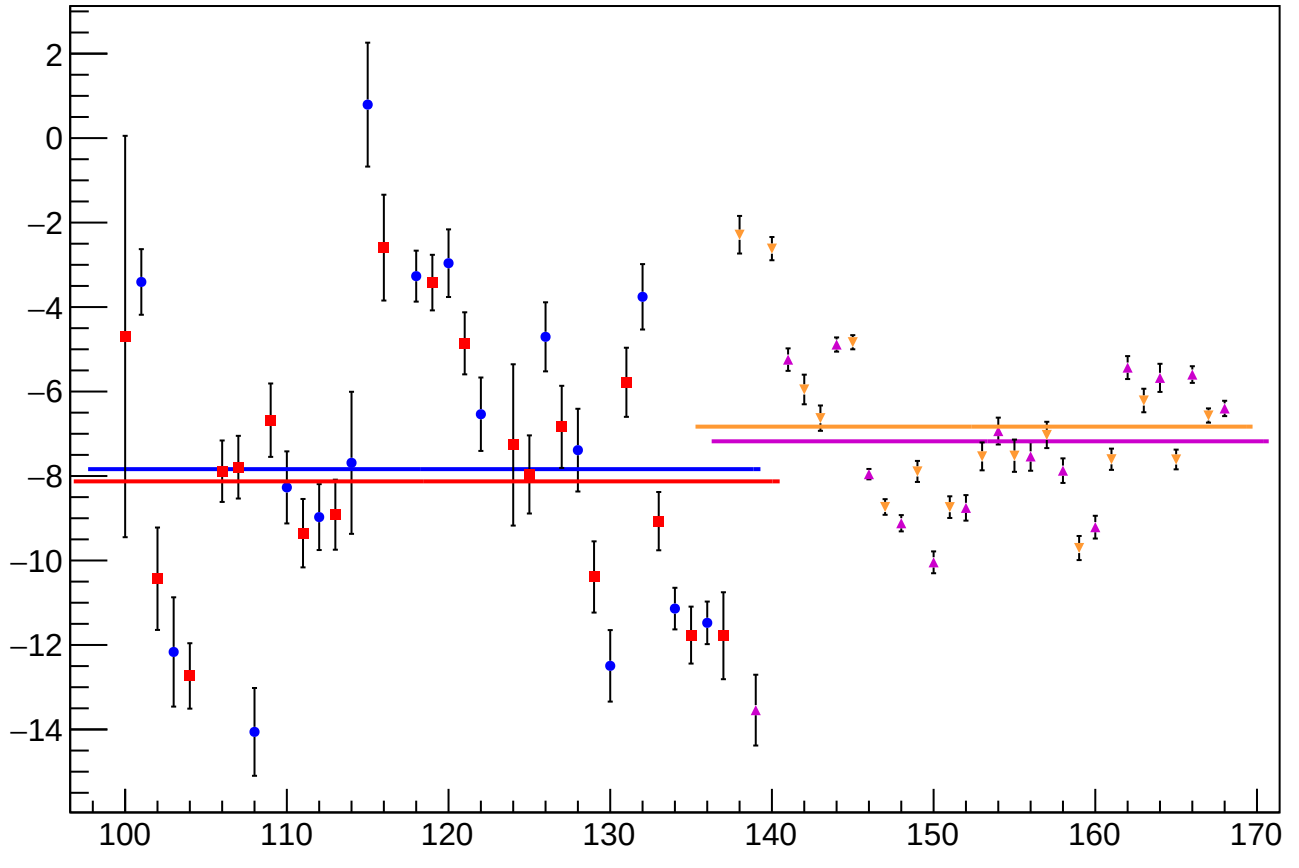
Left: -27.339+/-0.061 χ^2/NDF: 3354.6/30

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.278+/-0.076 χ^2/NDF:2553.5/30

Out: -28.004+/-0.079 χ^2/NDF:1932.1/34

All: -27.628+/-0.055 χ^2/NDF: 4529.3/65



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.831+/-0.063 χ^2/NDF:804.5/15

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.178+/-0.058 χ^2/NDF:795.9/14

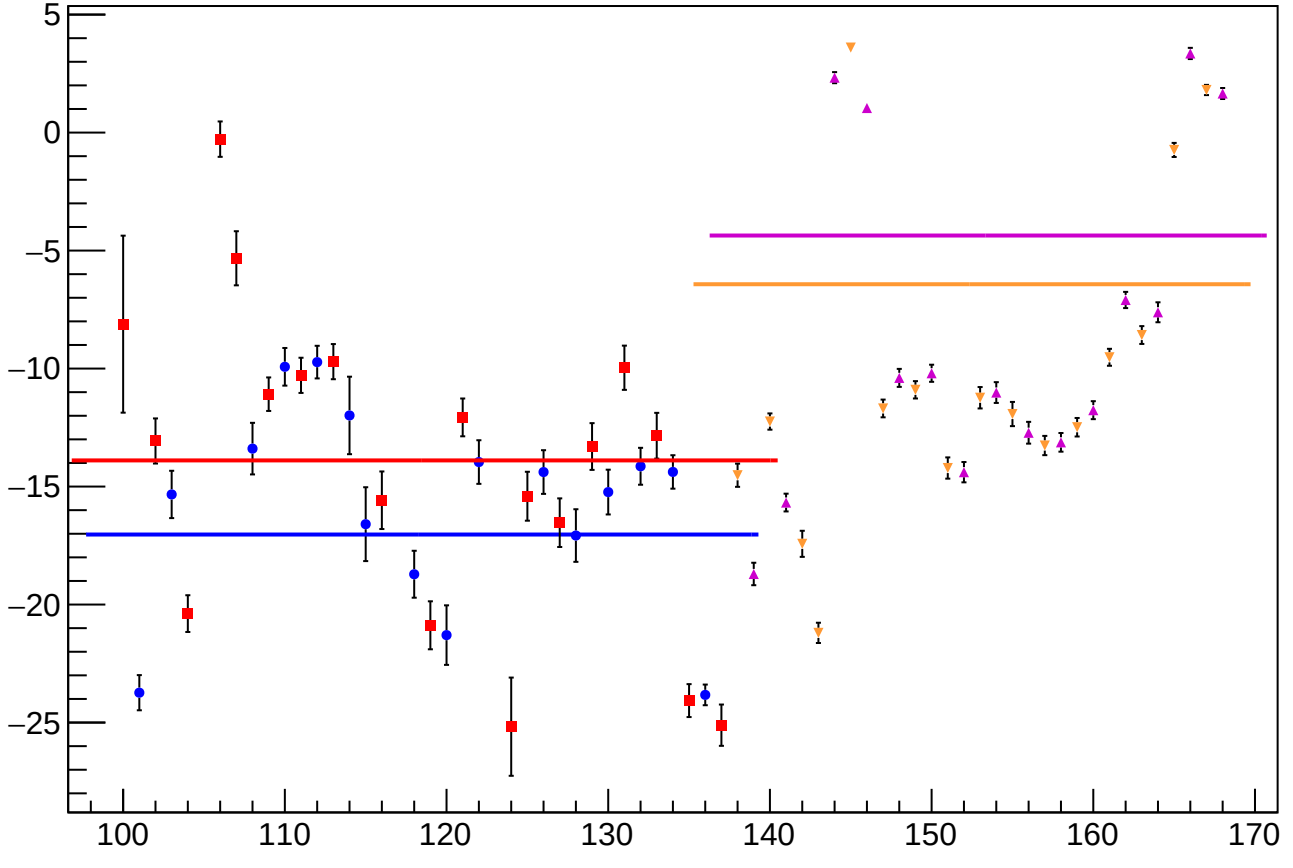
Left: -7.017+/-0.043 χ^2/NDF: 1616.9/30

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.233+/-0.056 χ^2/NDF:1189.6/30

Out: -6.950+/-0.060 χ^2/NDF:1041.3/34

All: -7.101+/-0.041 χ^2/NDF: 2242.8/65



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.426+/-0.087 χ^2/NDF:7766.5/15

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -4.362+/-0.082 χ^2/NDF:7683.2/14

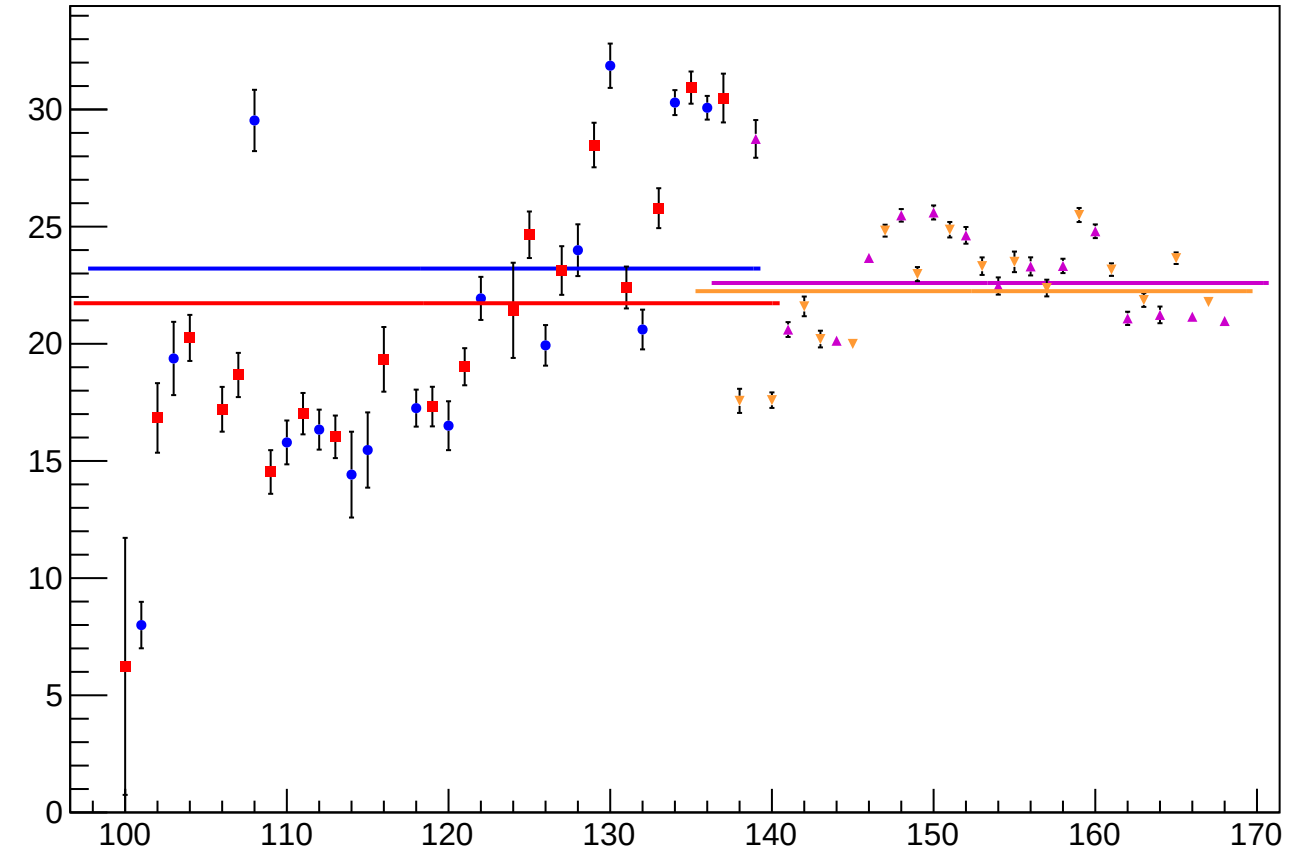
Left: -5.336+/-0.060 χ^2/NDF: 15747.4/30

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.053+/-0.076 χ^2/NDF:11457.9/30

Out: -7.525+/-0.080 χ^2/NDF:9868.7/34

All: -6.753+/-0.055 χ^2/NDF: 21502.8/65



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.246+/-0.072 χ^2/NDF:810.8/15

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.595+/-0.068 χ^2/NDF:766.5/14

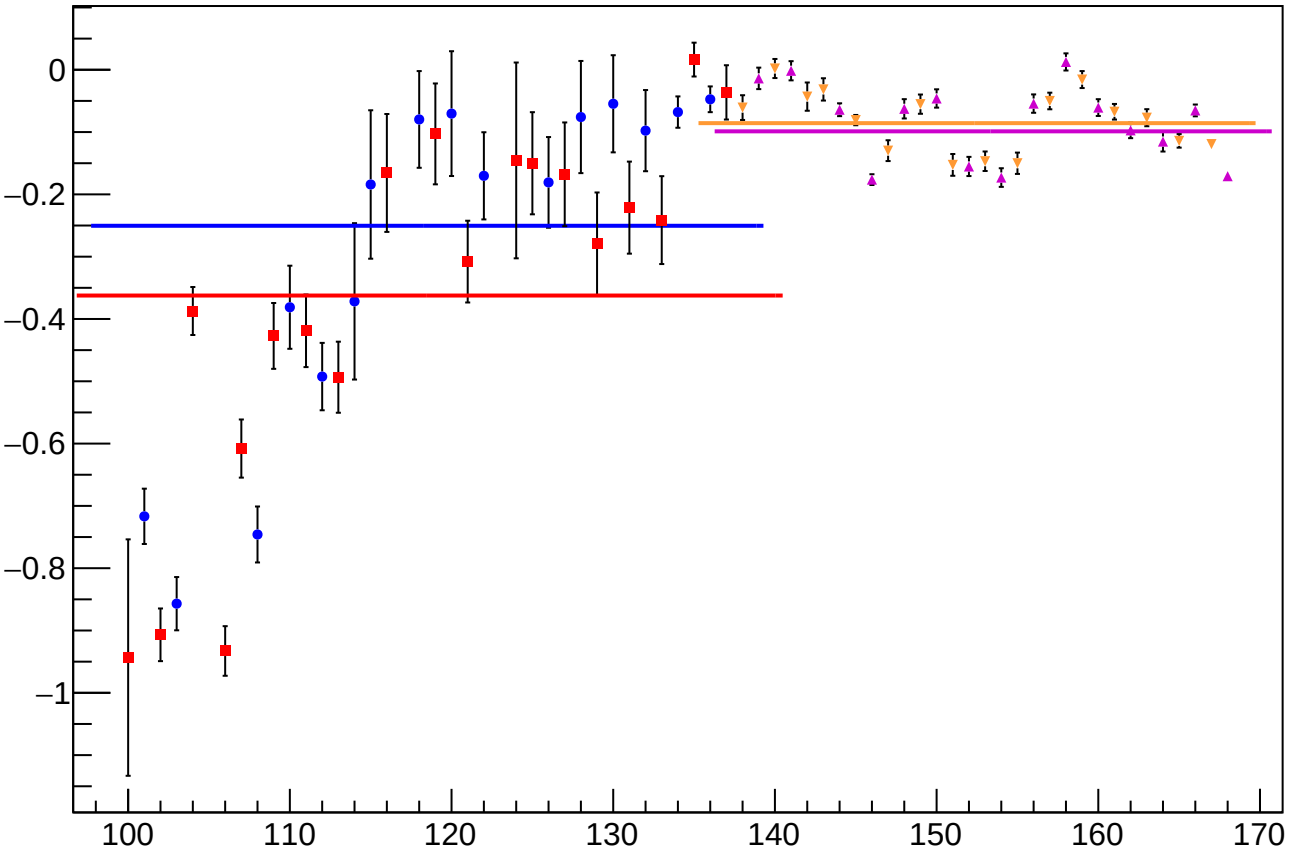
Left: 22.430+/-0.050 χ^2/NDF: 1589.7/30

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.650+/-0.065 χ^2/NDF:1781.9/30

Out: 22.198+/-0.069 χ^2/NDF:1373.8/34

All: 22.436+/-0.047 χ^2/NDF: 3178.6/65



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.086+/-0.003 χ^2/NDF:163.5/15

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.099+/-0.003 χ^2/NDF:390.3/14

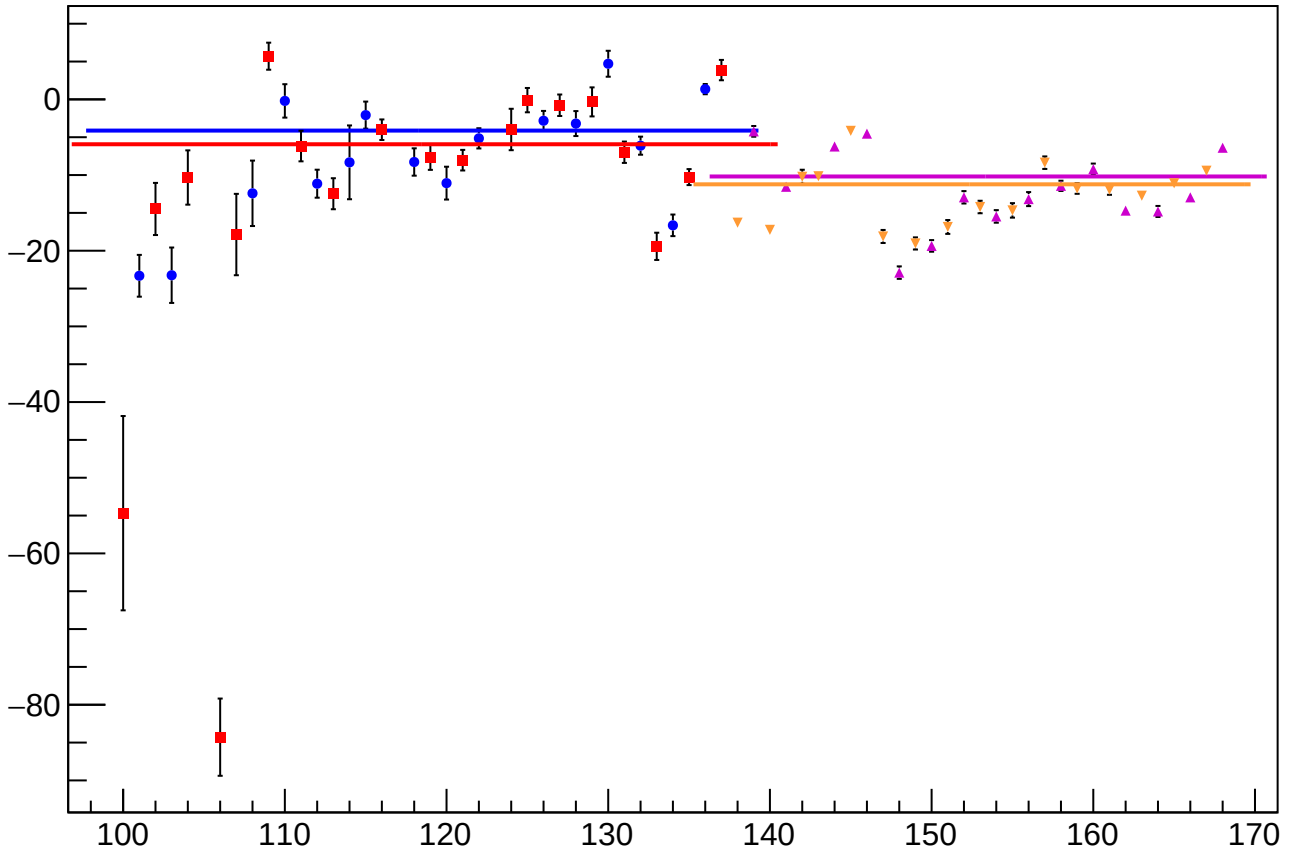
Left: -0.093+/-0.002 χ^2/NDF: 562.1/30

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.109+/-0.003 χ^2/NDF:1181.3/30

Out: -0.104+/-0.003 χ^2/NDF:1336.6/34

All: -0.107+/-0.002 χ^2/NDF: 2519.3/65



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.225+/-0.155 χ^2/NDF:814.5/15

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.188+/-0.152 χ^2/NDF:1024.4/14

Left: -10.698+/-0.108 χ^2/NDF: 1861.8/30

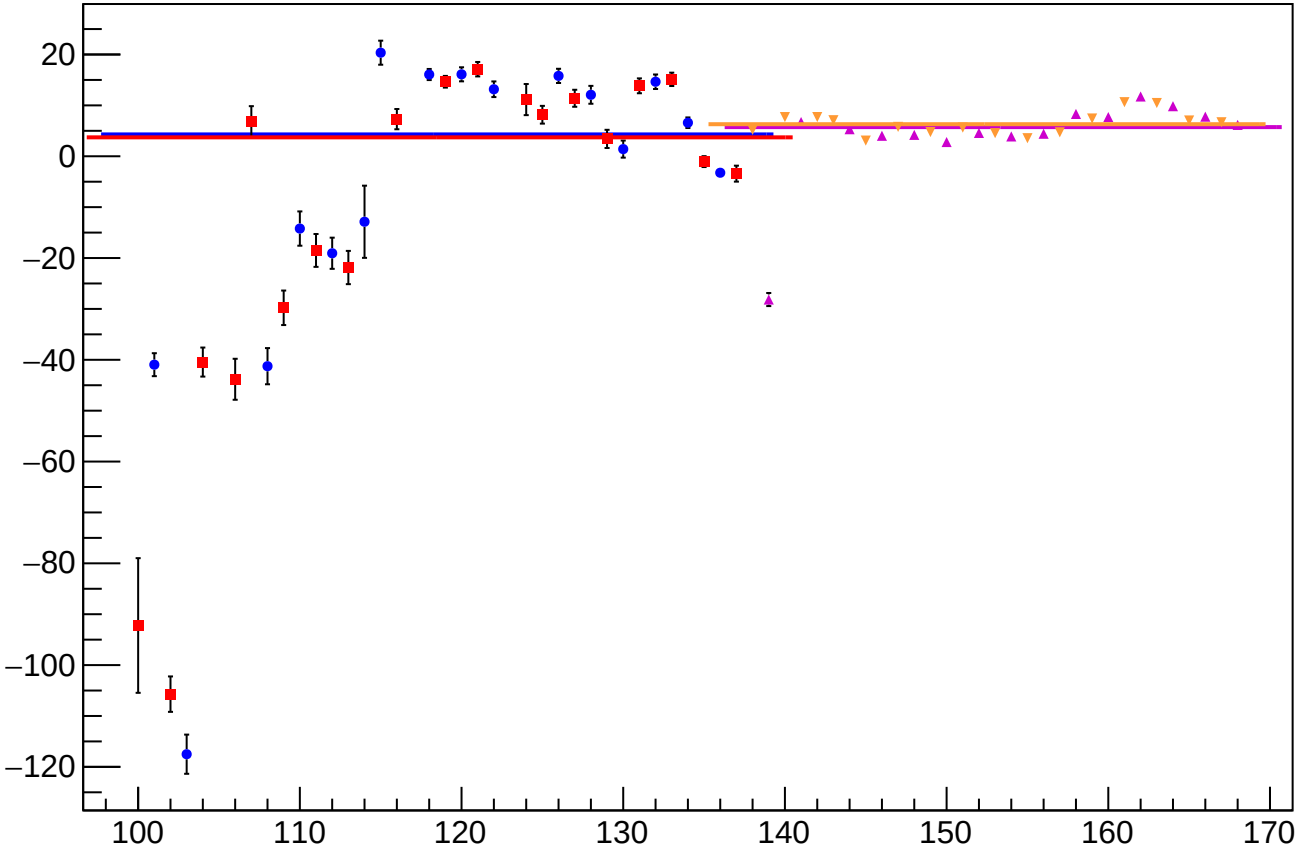
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.358+/-0.141 χ^2/NDF:1530.1/30

Out: -10.560+/-0.144 χ^2/NDF:1444.6/34

All: -9.945+/-0.101 χ^2/NDF: 3010.1/65

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.301+/-0.112 χ^2/NDF:367.6/15

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.731+/-0.108 χ^2/NDF:1123.7/14

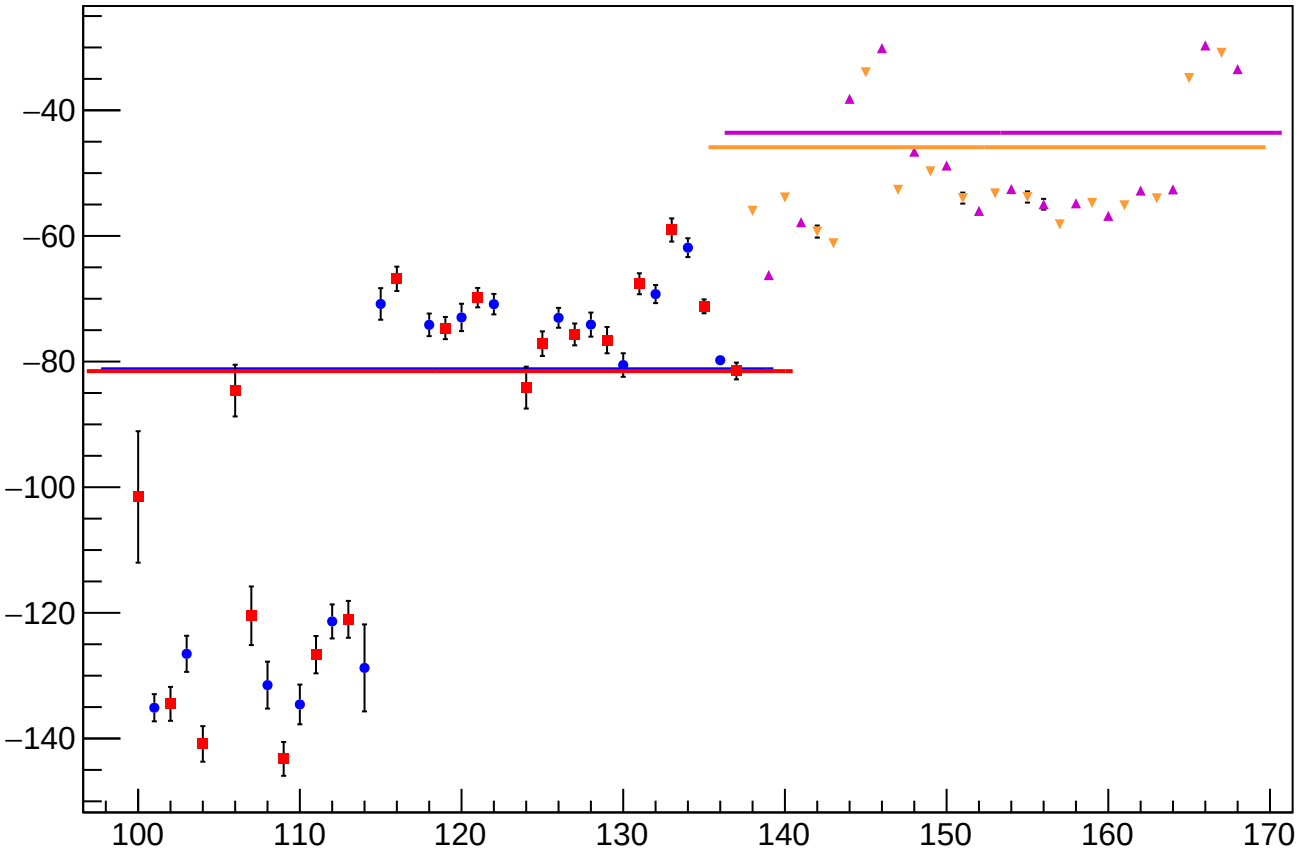
Left: 6.007+/-0.078 χ^2/NDF: 1504.7/30

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.625+/-0.104 χ^2/NDF:3305.7/30

Out: 6.132+/-0.108 χ^2/NDF:2409.8/34

All: 5.869+/-0.075 χ^2/NDF: 5726.9/65



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -45.879+/-0.153 χ^2/NDF:5220.3/15

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -43.577+/-0.149 χ^2/NDF:6075.4/14

Left: -44.699+/-0.107 χ^2/NDF: 11411.2/30

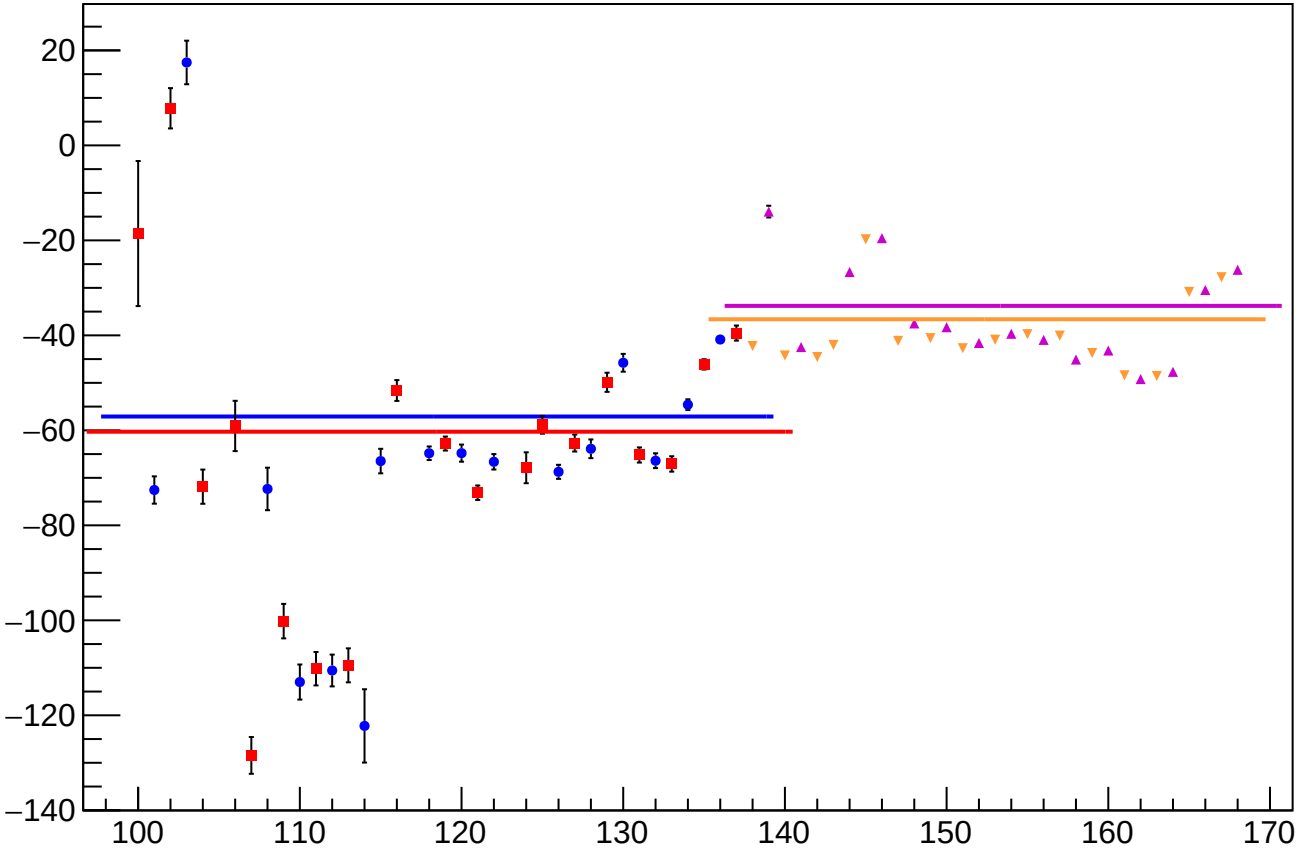
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -47.864+/-0.141 χ^2/NDF:15277.5/30

Out: -49.417+/-0.145 χ^2/NDF:12884.3/34

All: -48.614+/-0.101 χ^2/NDF: 28220.7/65

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.612+/-0.128 χ^2/NDF:5489.1/15

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -33.792+/-0.125 χ^2/NDF:6368.3/14

Left: -35.175+/-0.089 χ^2/NDF: 12105.6/30

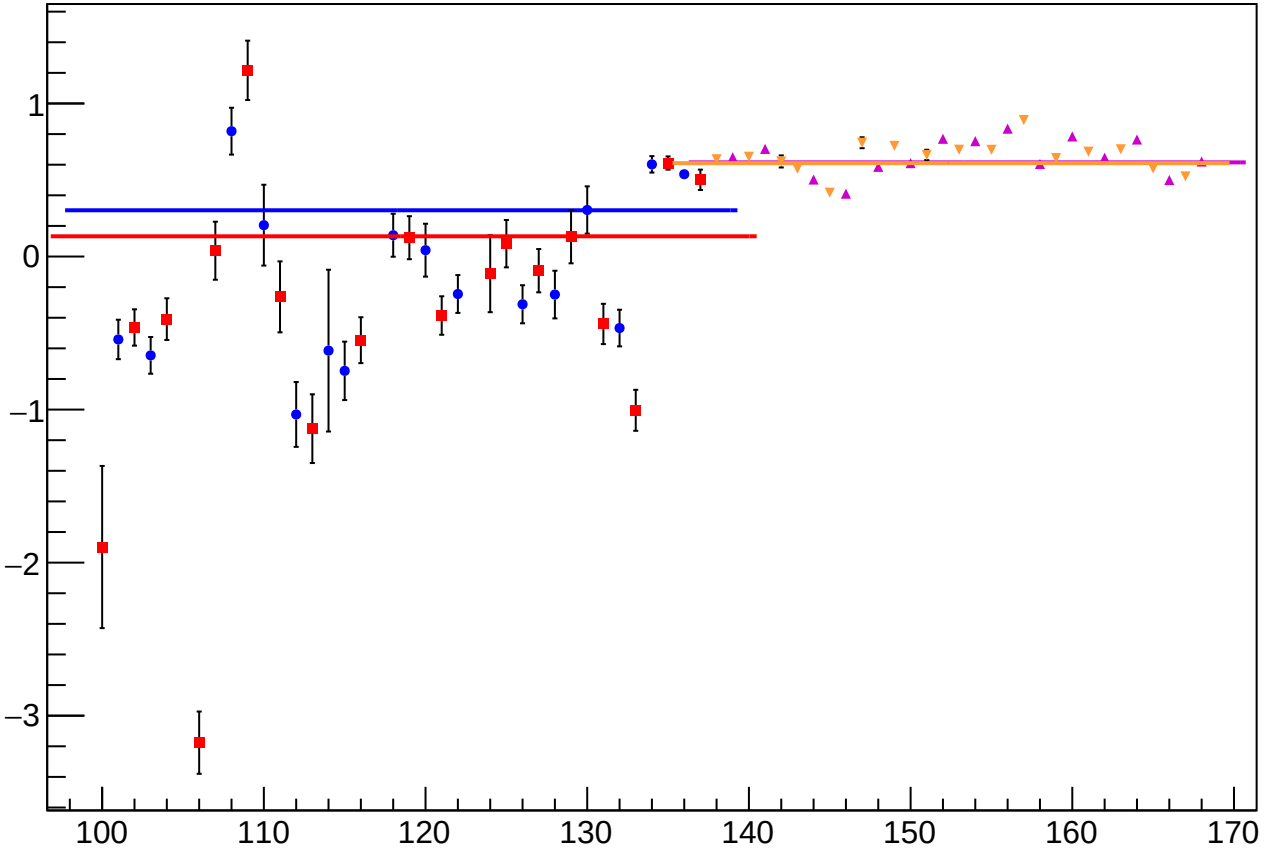
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -35.651+/-0.120 χ^2/NDF:10650.7/30

Out: -38.240+/-0.123 χ^2/NDF:9439.7/34

All: -36.913+/-0.086 χ^2/NDF: 20316.4/65

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.610+/-0.006 χ^2/NDF:415.7/15

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.615+/-0.006 χ^2/NDF:439.5/14

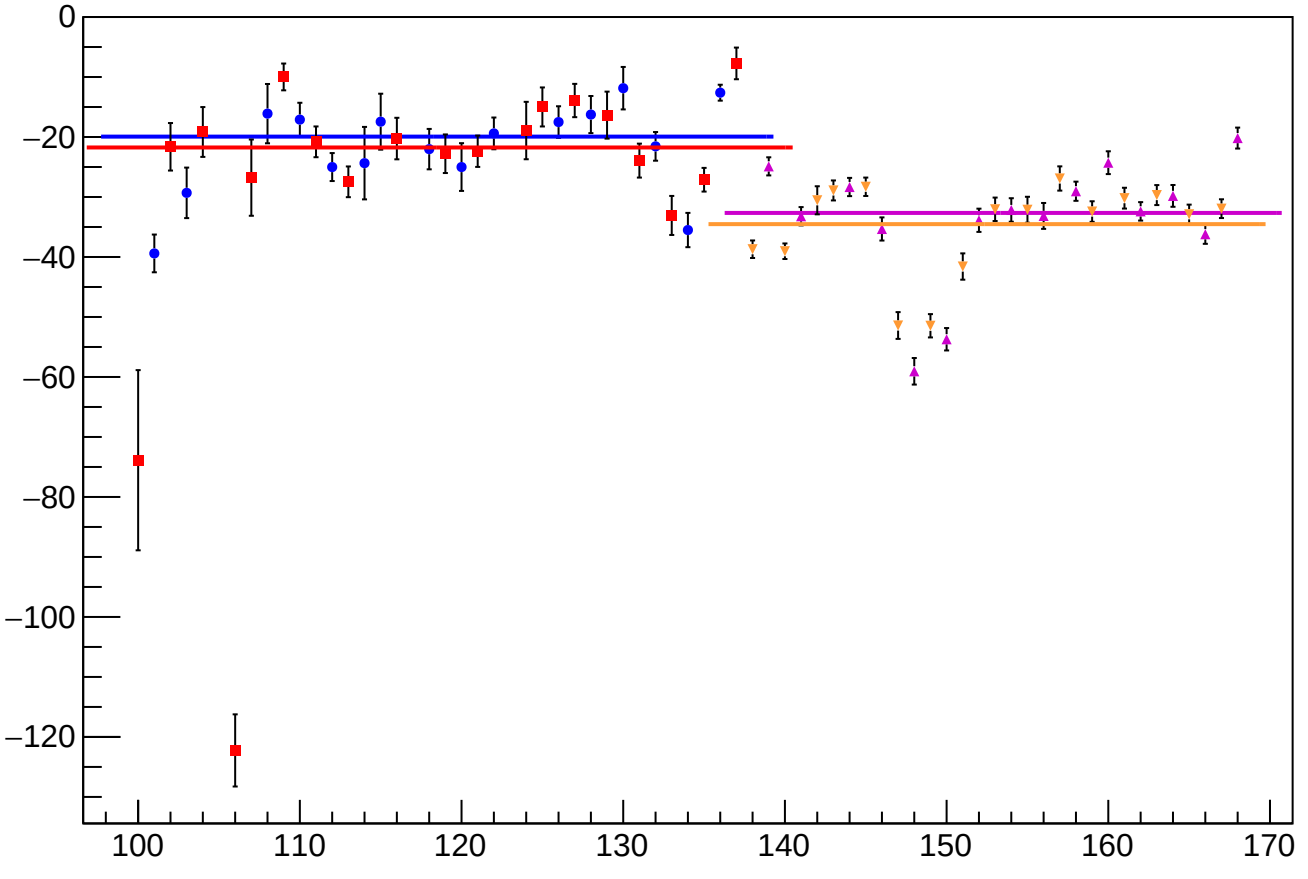
Left: 0.613+/-0.004 χ^2/NDF: 855.5/30

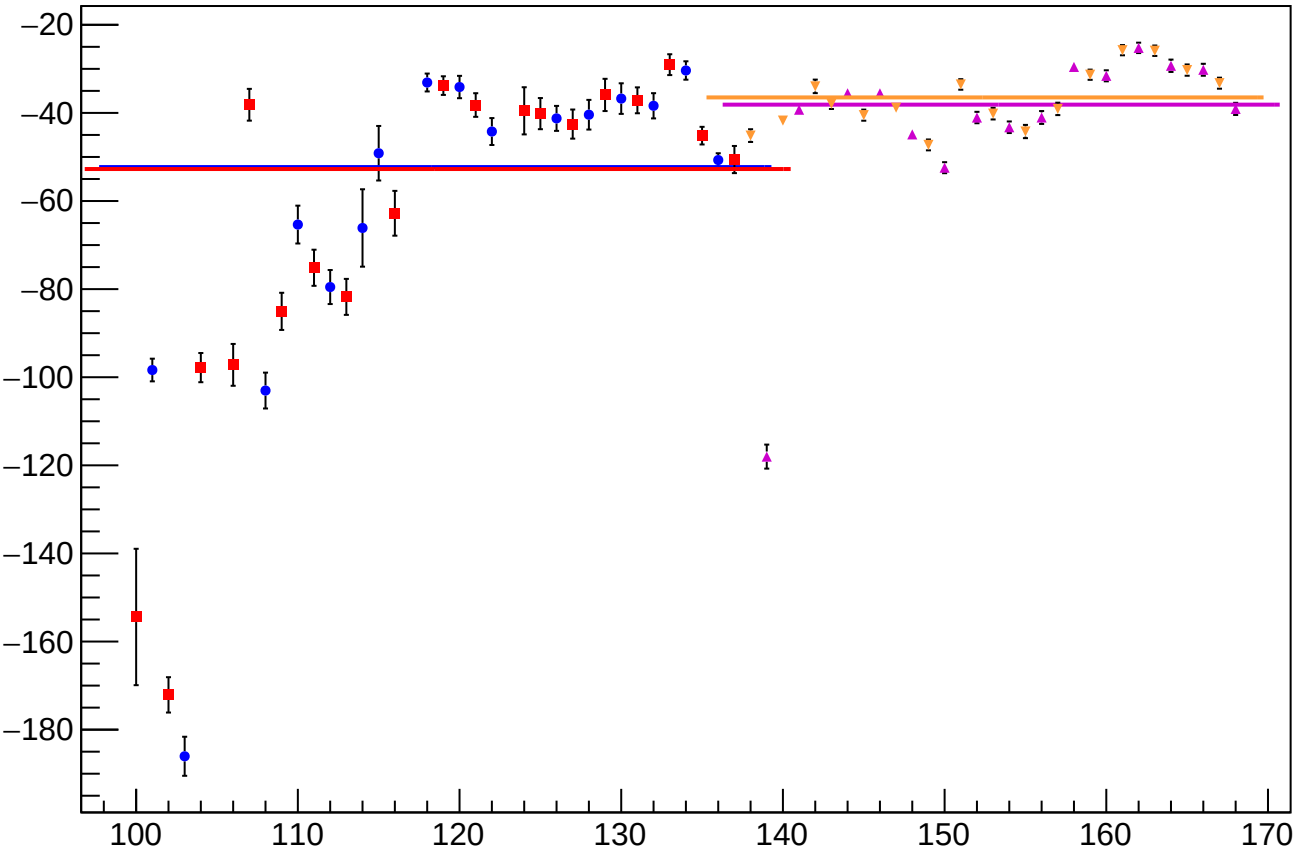
Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.597+/-0.006 χ^2/NDF:989.5/30

Out: 0.588+/-0.006 χ^2/NDF:1398.6/34

All: 0.593+/-0.004 χ^2/NDF: 2389.3/65


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -19.935+/-0.695 χ²/NDF: 120.6/15
Left Out: -34.523+/-0.436 χ²/NDF:231.8/15
Right Out: -21.746+/-0.714 χ²/NDF: 388.3/18
Left In: -32.655+/-0.451 χ²/NDF:389.5/14
Left: -33.620+/-0.314 χ²/NDF: 630.1/30
Right: -20.816+/-0.498 χ²/NDF: 512.2/34
In: -28.883+/-0.378 χ²/NDF:745.8/30
Out: -31.048+/-0.372 χ²/NDF:853.4/34
All: -29.983+/-0.265 χ²/NDF: 1615.9/65



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.483+/-0.311 χ^2/NDF:413.9/15

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -38.124+/-0.325 χ^2/NDF:1348.6/14

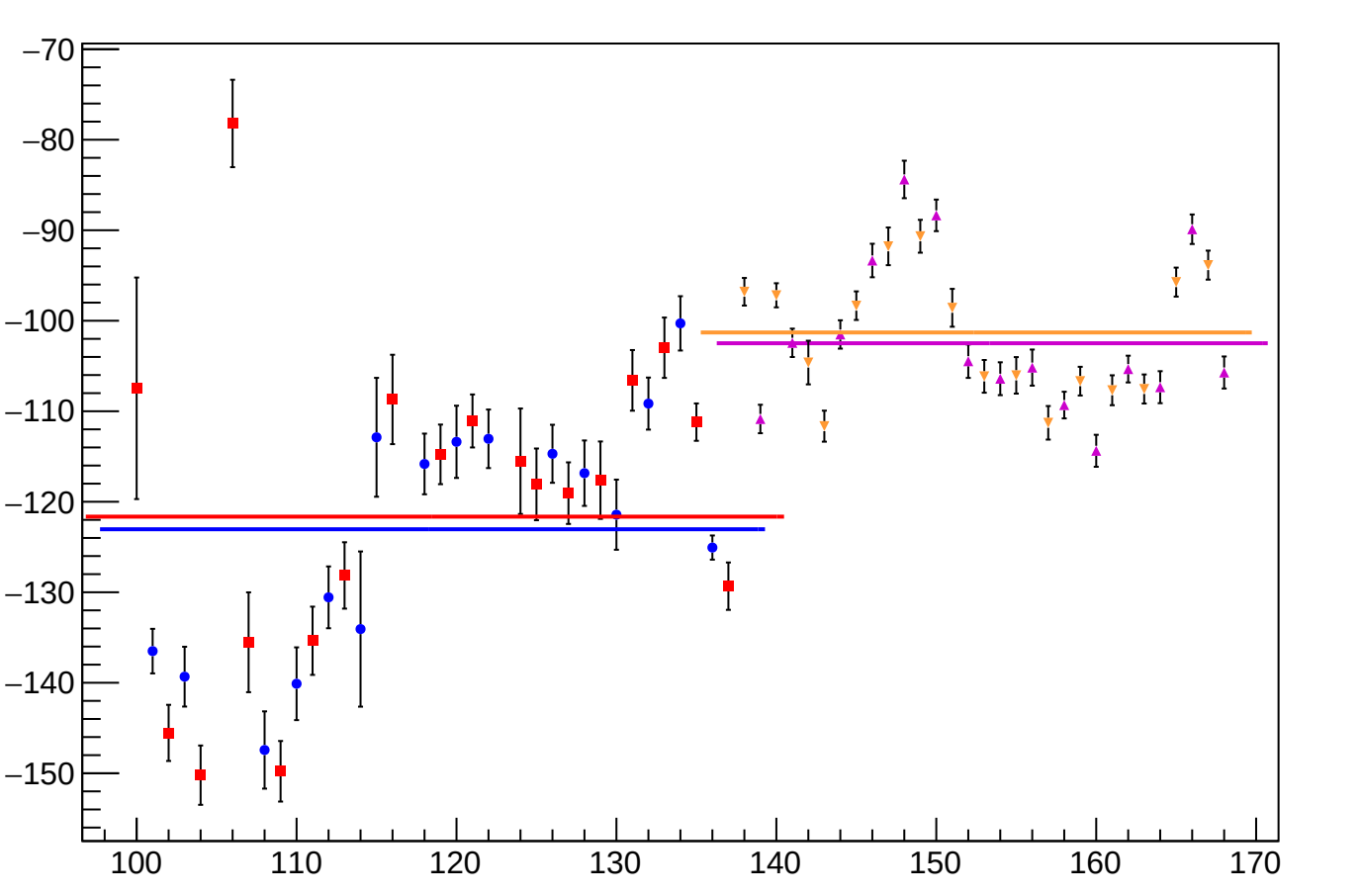
Left: -37.267+/-0.225 χ^2/NDF: 1775.8/30

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -40.593+/-0.296 χ^2/NDF:3457.6/30

Out: -38.878+/-0.287 χ^2/NDF:2478.8/34

All: -39.711+/-0.206 χ^2/NDF: 5953.7/65



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.296+/-0.429 χ^2/NDF:234.0/15

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.487+/-0.440 χ^2/NDF:343.8/14

Left: -101.876+/-0.307 χ^2/NDF: 581.5/30

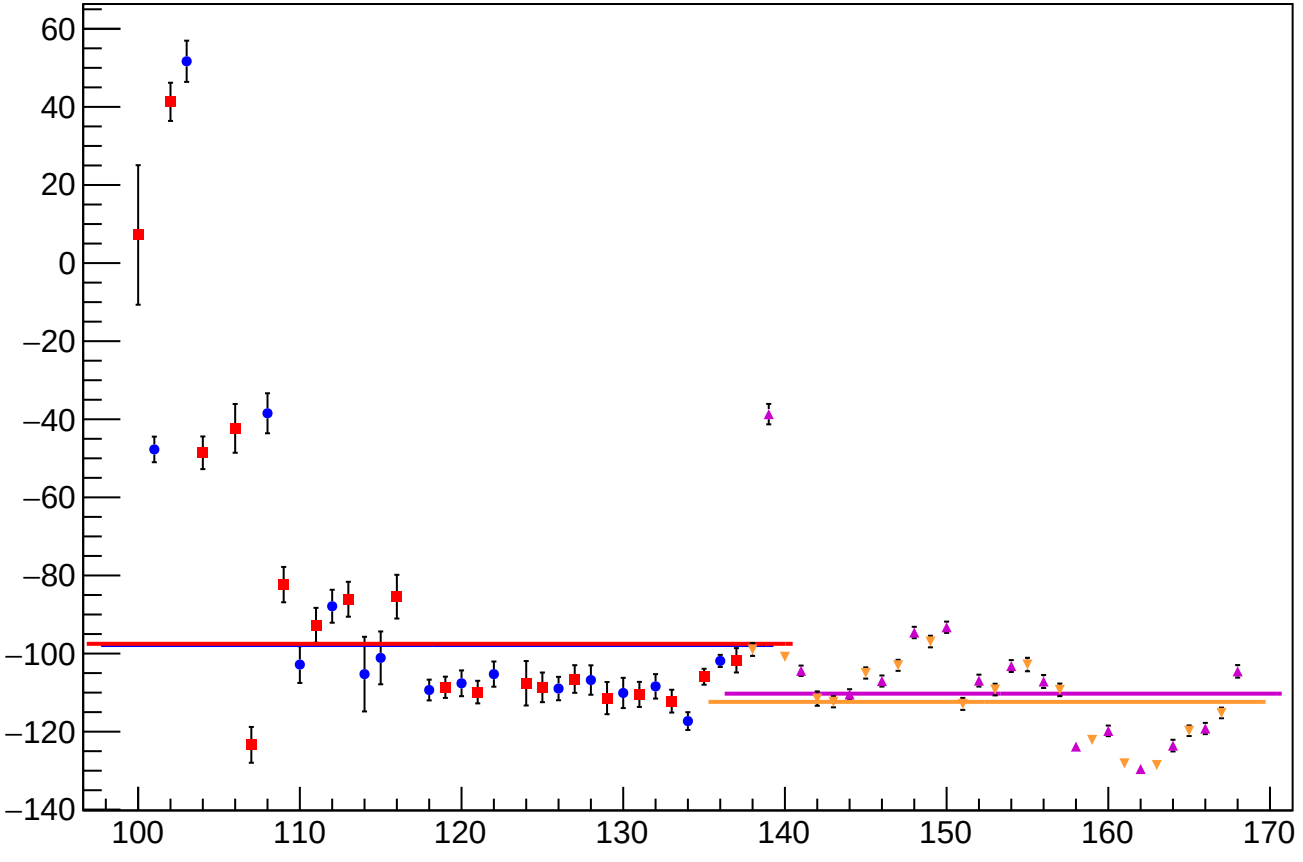
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -107.740+/-0.379 χ^2/NDF:1129.6/30

Out: -105.823+/-0.378 χ^2/NDF:1160.1/34

All: -106.778+/-0.268 χ^2/NDF: 2302.5/65

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: -112.371+/-0.357 χ^2/NDF:791.5/15

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.268+/-0.372 χ^2/NDF:1623.7/14

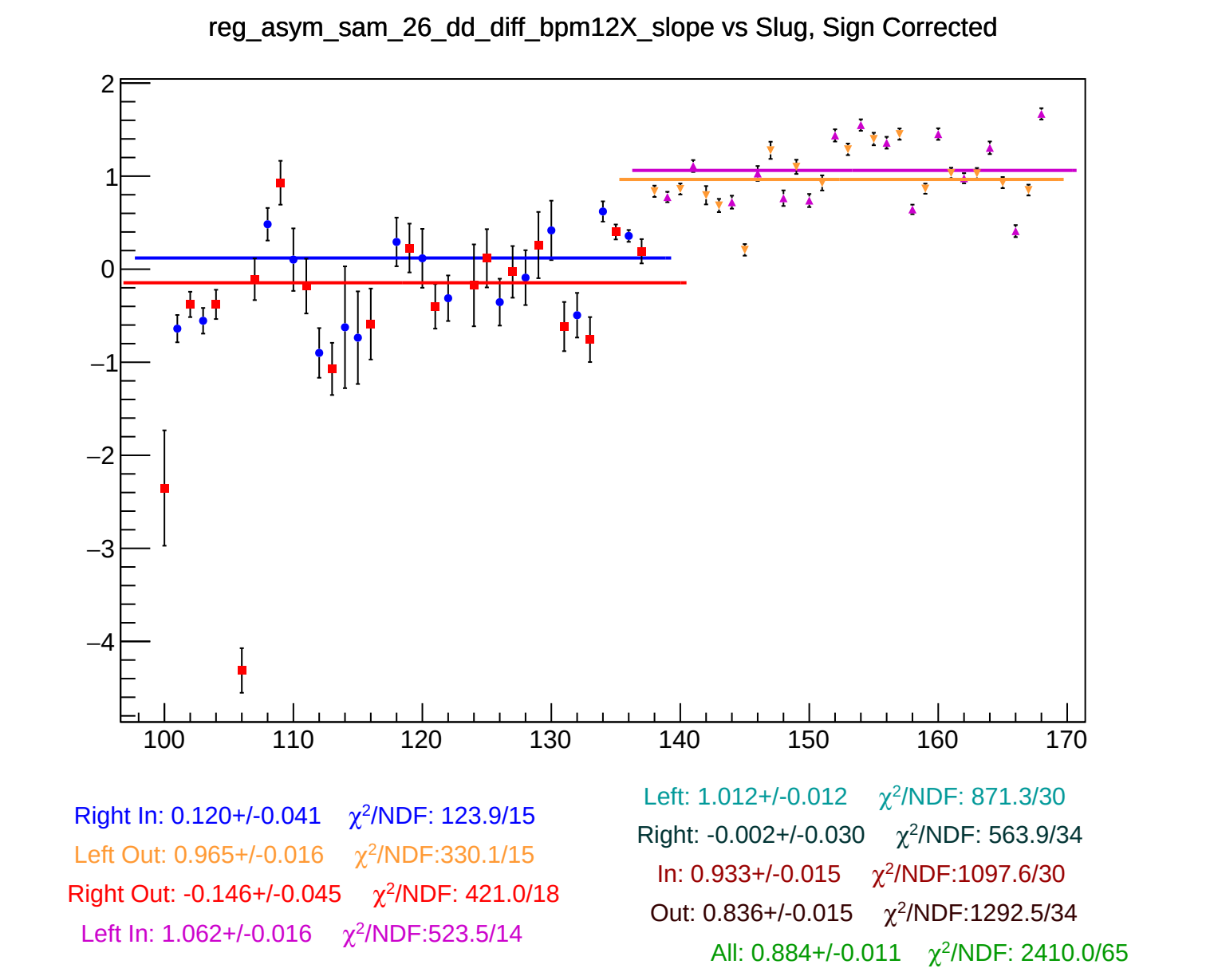
Left: -111.361+/-0.258 χ^2/NDF: 2431.8/30

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

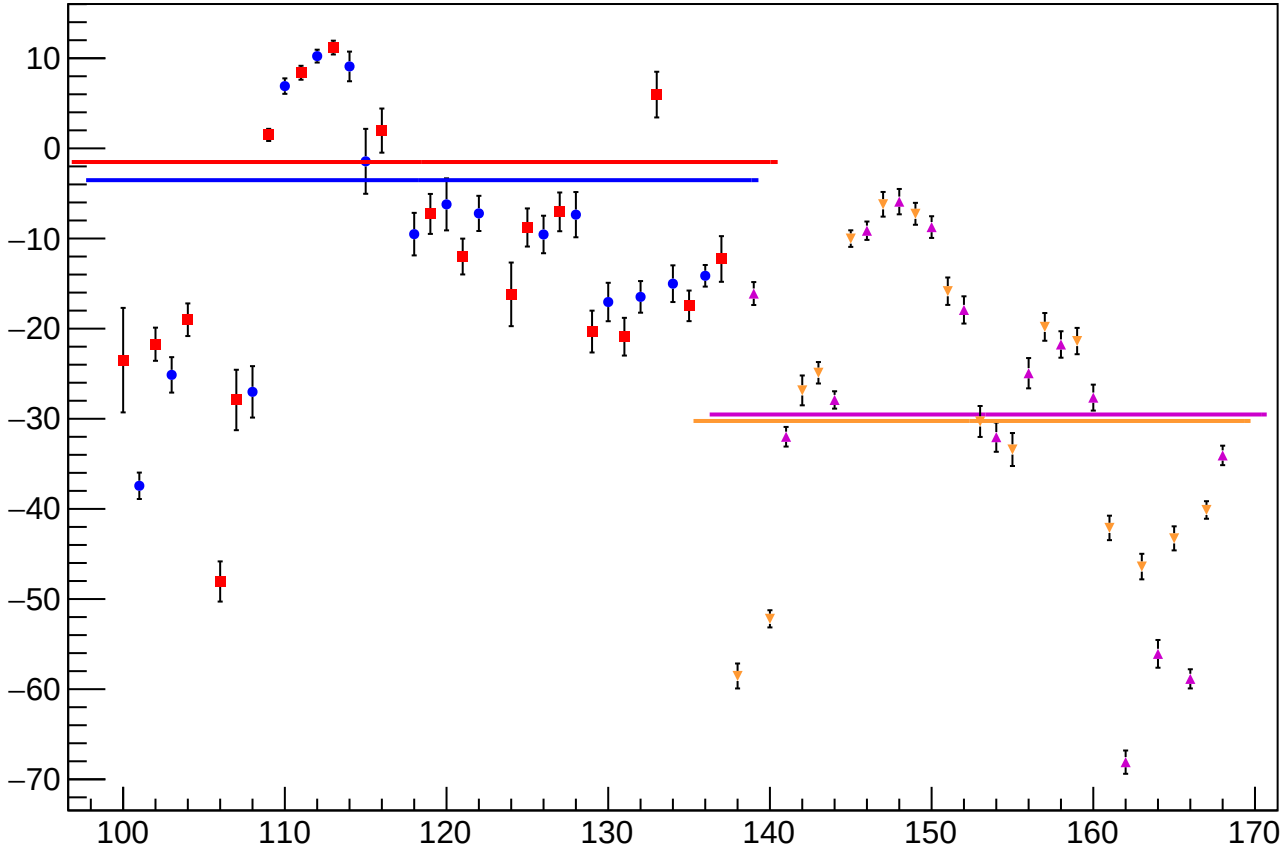
In: -108.025+/-0.337 χ^2/NDF:3156.7/30

Out: -110.105+/-0.329 χ^2/NDF:2291.8/34

All: -109.089+/-0.235 χ^2/NDF: 5468.0/65


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.965+/-0.016 χ²/NDF:330.1/15
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 1.062+/-0.016 χ²/NDF:523.5/14
Left: 1.012+/-0.012 χ²/NDF: 871.3/30
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.933+/-0.015 χ²/NDF:1097.6/30
Out: 0.836+/-0.015 χ²/NDF:1292.5/34
All: 0.884+/-0.011 χ²/NDF: 2410.0/65

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: -30.244+/-0.321 χ^2/NDF:2701.3/15

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -29.525+/-0.323 χ^2/NDF:3164.2/14

Left: -29.887+/-0.228 χ^2/NDF: 5868.0/30

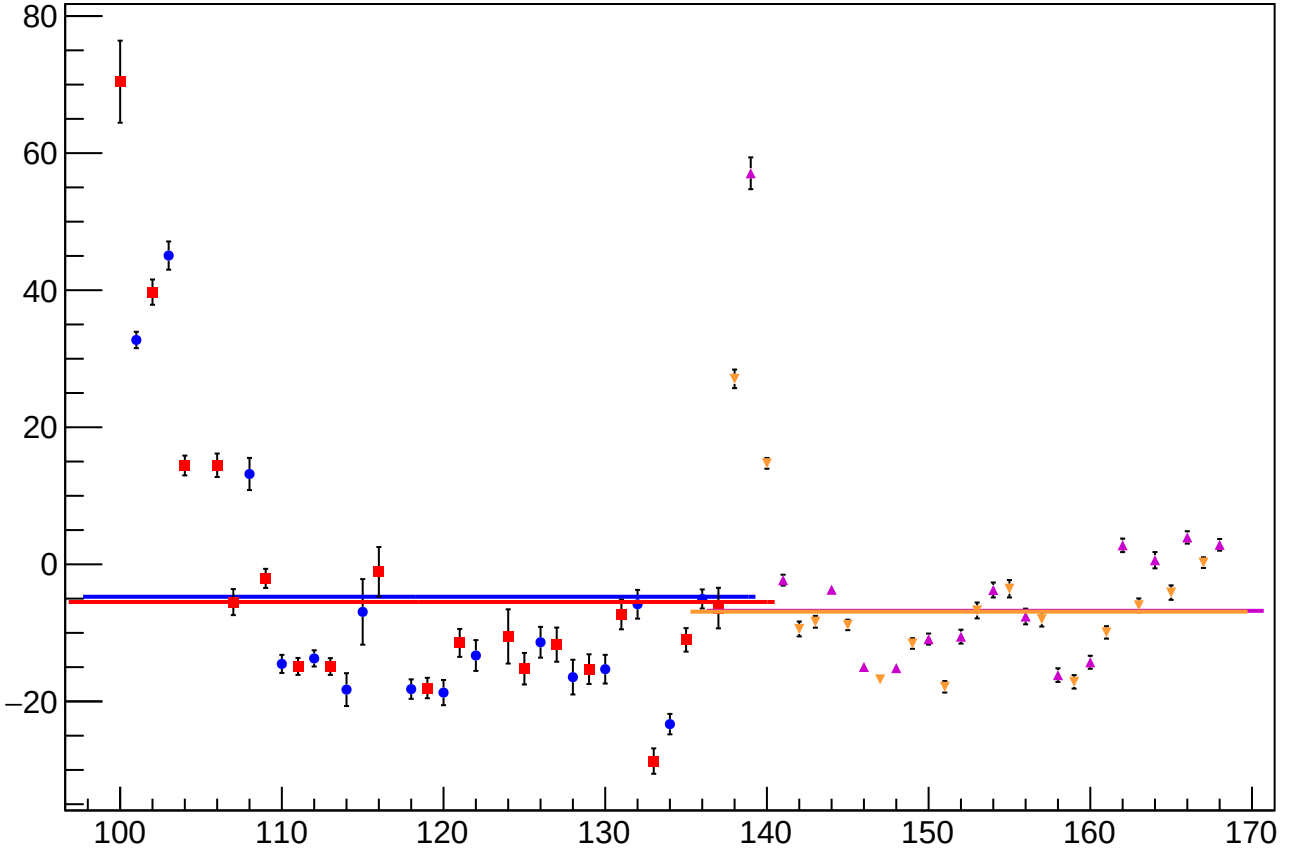
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -18.504+/-0.245 χ^2/NDF:7436.3/30

Out: -16.636+/-0.233 χ^2/NDF:8019.2/34

All: -17.522+/-0.169 χ^2/NDF: 15485.9/65

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.907+/-0.226 χ^2/NDF:2059.6/15

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.783+/-0.228 χ^2/NDF:1737.4/14

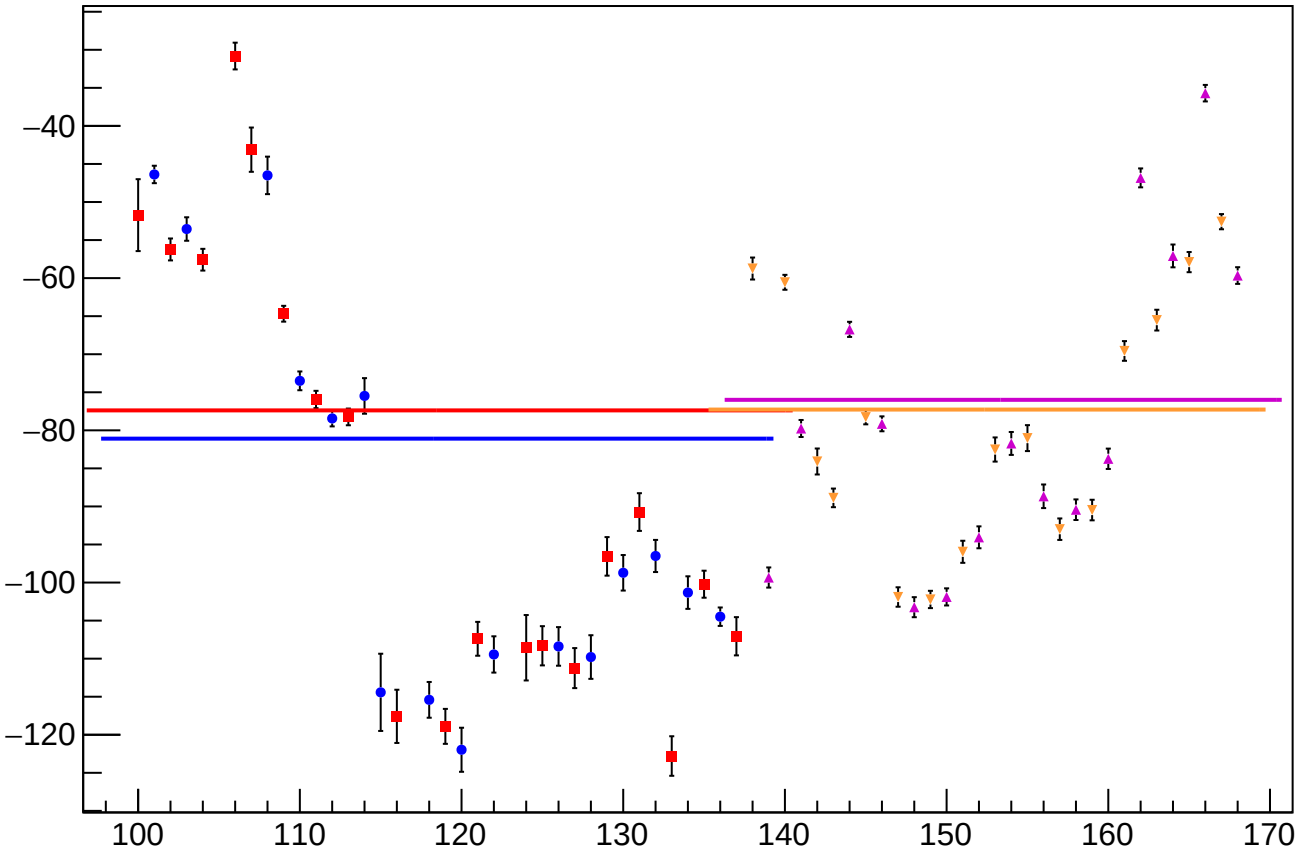
Left: -6.845+/-0.161 χ^2/NDF: 3797.2/30

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.332+/-0.202 χ^2/NDF:3903.2/30

Out: -6.592+/-0.199 χ^2/NDF:3576.9/34

All: -6.464+/-0.142 χ^2/NDF: 7480.9/65



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.272+/-0.316 χ^2/NDF:2752.5/15

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -75.992+/-0.316 χ^2/NDF:4074.8/14

Left: -76.632+/-0.223 χ^2/NDF: 6835.5/30

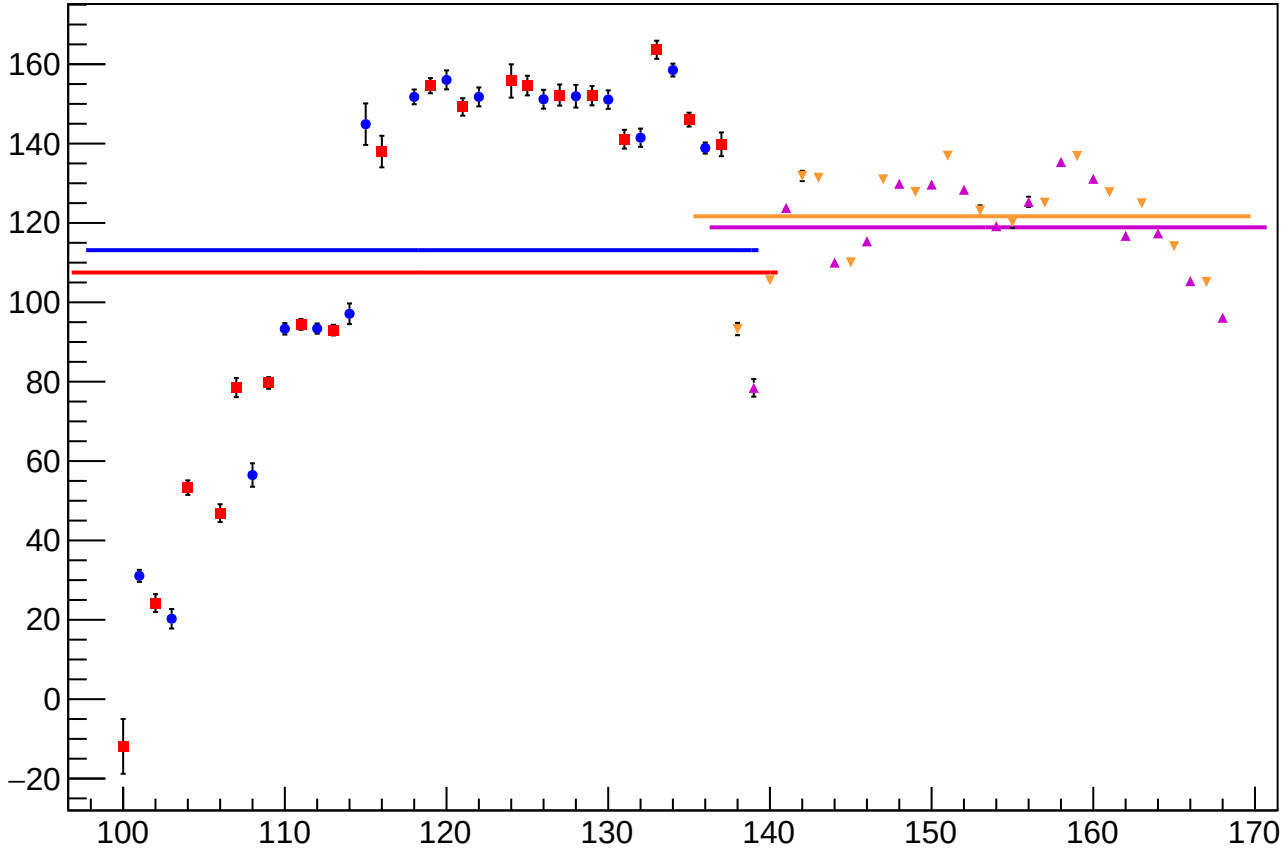
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -77.736+/-0.256 χ^2/NDF:7034.1/30

Out: -77.311+/-0.252 χ^2/NDF:5882.2/34

All: -77.520+/-0.180 χ^2/NDF: 12917.8/65

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: 121.686+/-0.262 χ^2/NDF:2011.8/15

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 118.902+/-0.265 χ^2/NDF:1967.9/14

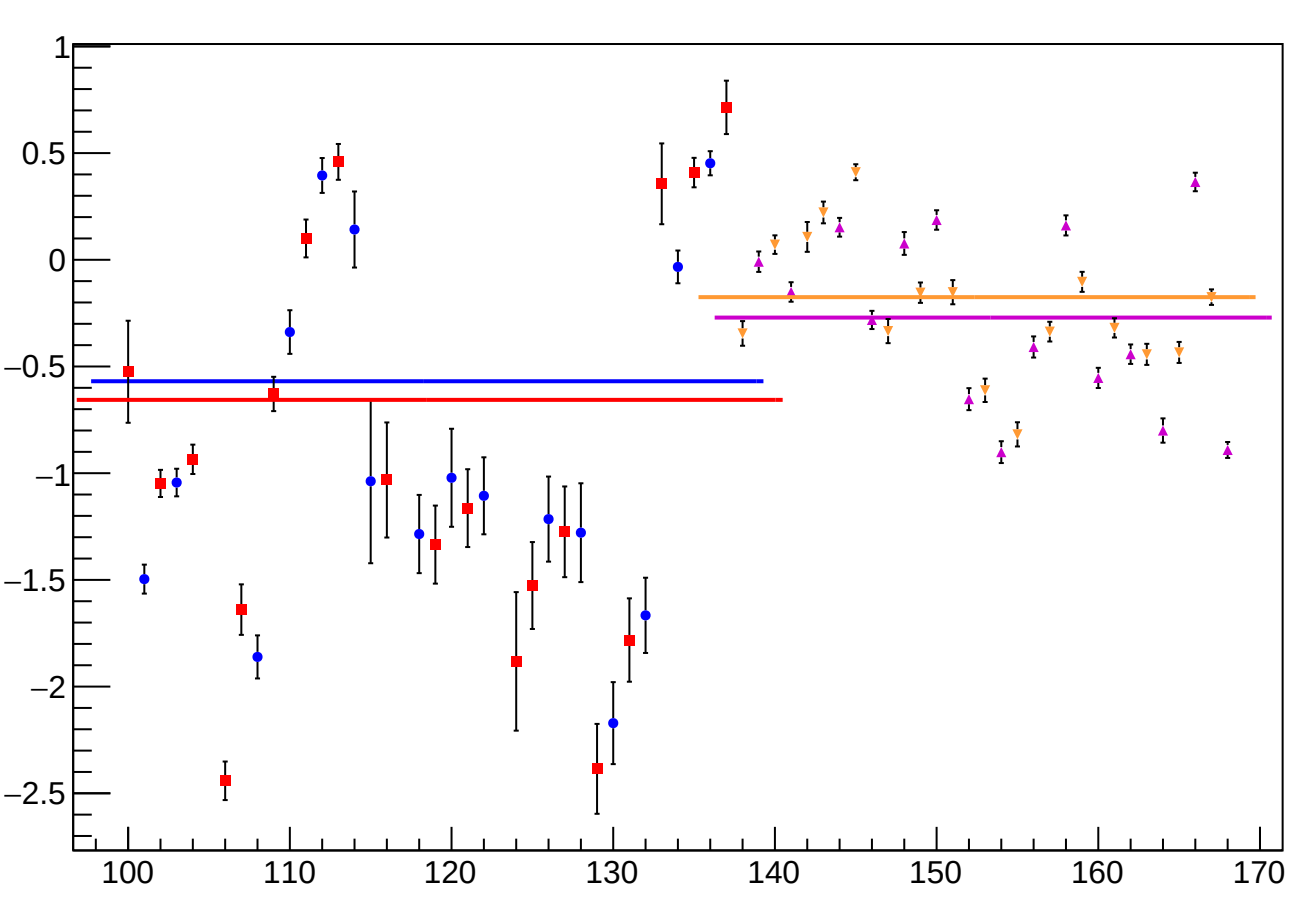
Left: 120.309+/-0.187 χ^2/NDF: 4035.4/30

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.593+/-0.233 χ^2/NDF:10279.1/30

Out: 118.420+/-0.230 χ^2/NDF:10228.3/34

All: 118.012+/-0.164 χ^2/NDF: 20513.8/65



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.175+/-0.012 χ^2/NDF:644.8/15

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.271+/-0.012 χ^2/NDF:1198.1/14

Left: -0.223+/-0.009 χ^2/NDF: 1874.4/30

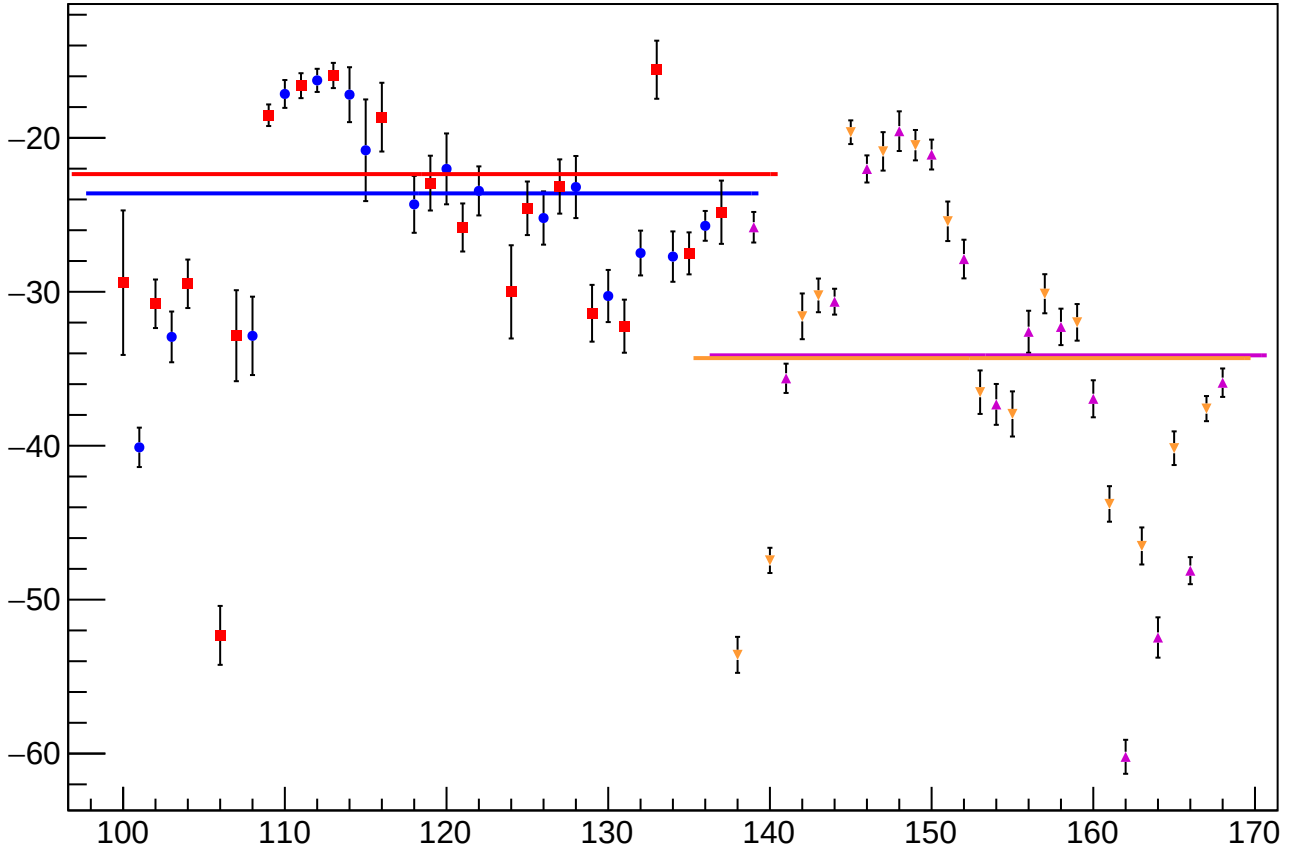
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.324+/-0.011 χ^2/NDF:2405.4/30

Out: -0.265+/-0.011 χ^2/NDF:2256.4/34

All: -0.295+/-0.008 χ^2/NDF: 4676.3/65

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.308+/-0.272 χ^2/NDF:1507.6/15

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -34.128+/-0.272 χ^2/NDF:1638.0/14

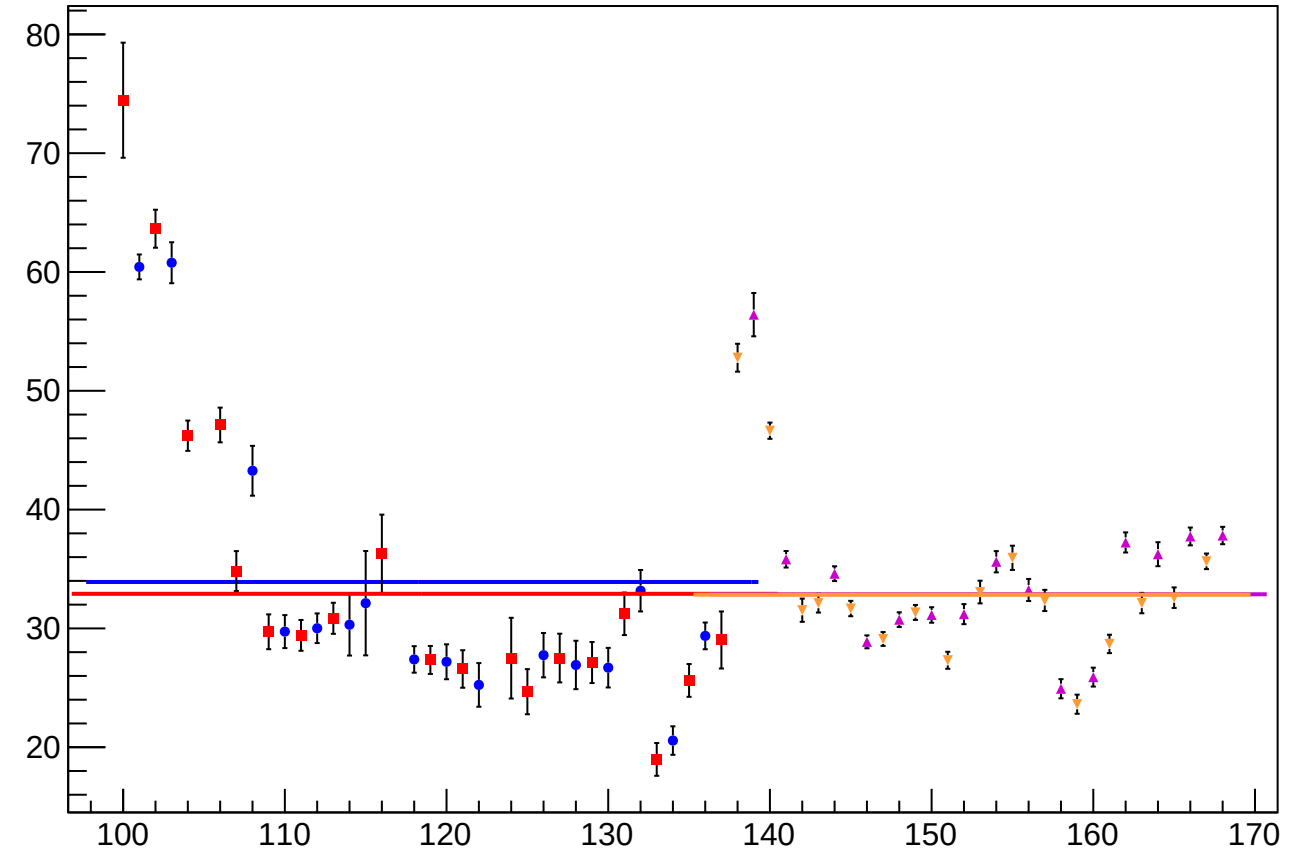
Left: -34.218+/-0.192 χ^2/NDF: 3145.9/30

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -30.140+/-0.214 χ^2/NDF:2611.0/30

Out: -29.331+/-0.208 χ^2/NDF:2865.0/34

All: -29.722+/-0.149 χ^2/NDF: 5483.3/65



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.843+/-0.193 χ^2/NDF:998.5/15

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.873+/-0.195 χ^2/NDF:579.0/14

Left: 32.858+/-0.137 χ^2/NDF: 1577.5/30

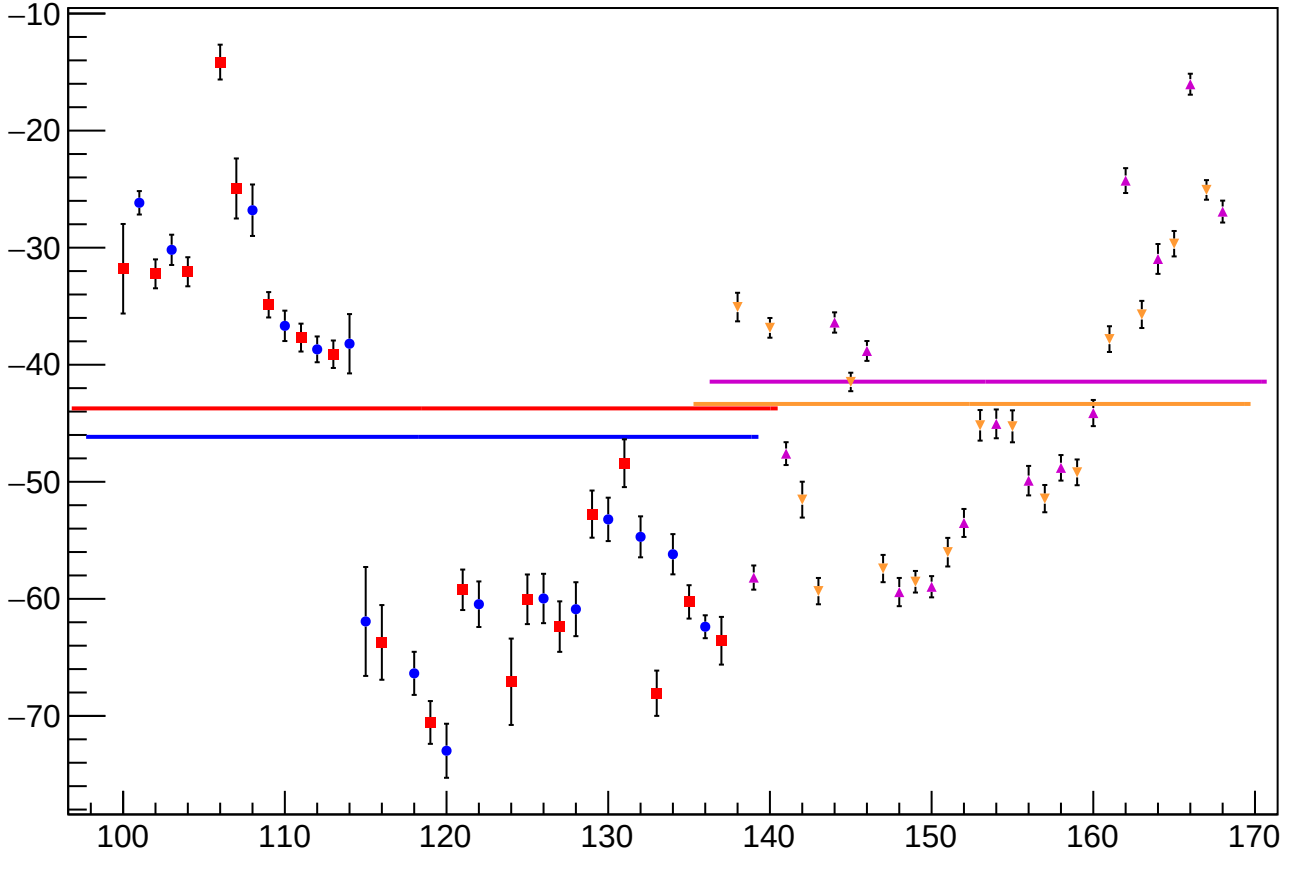
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.094+/-0.173 χ^2/NDF:1769.4/30

Out: 32.857+/-0.171 χ^2/NDF:1873.5/34

All: 32.974+/-0.122 χ^2/NDF: 3643.9/65

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.349+/-0.267 χ^2/NDF:1651.4/15

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -41.446+/-0.266 χ^2/NDF:2522.4/14

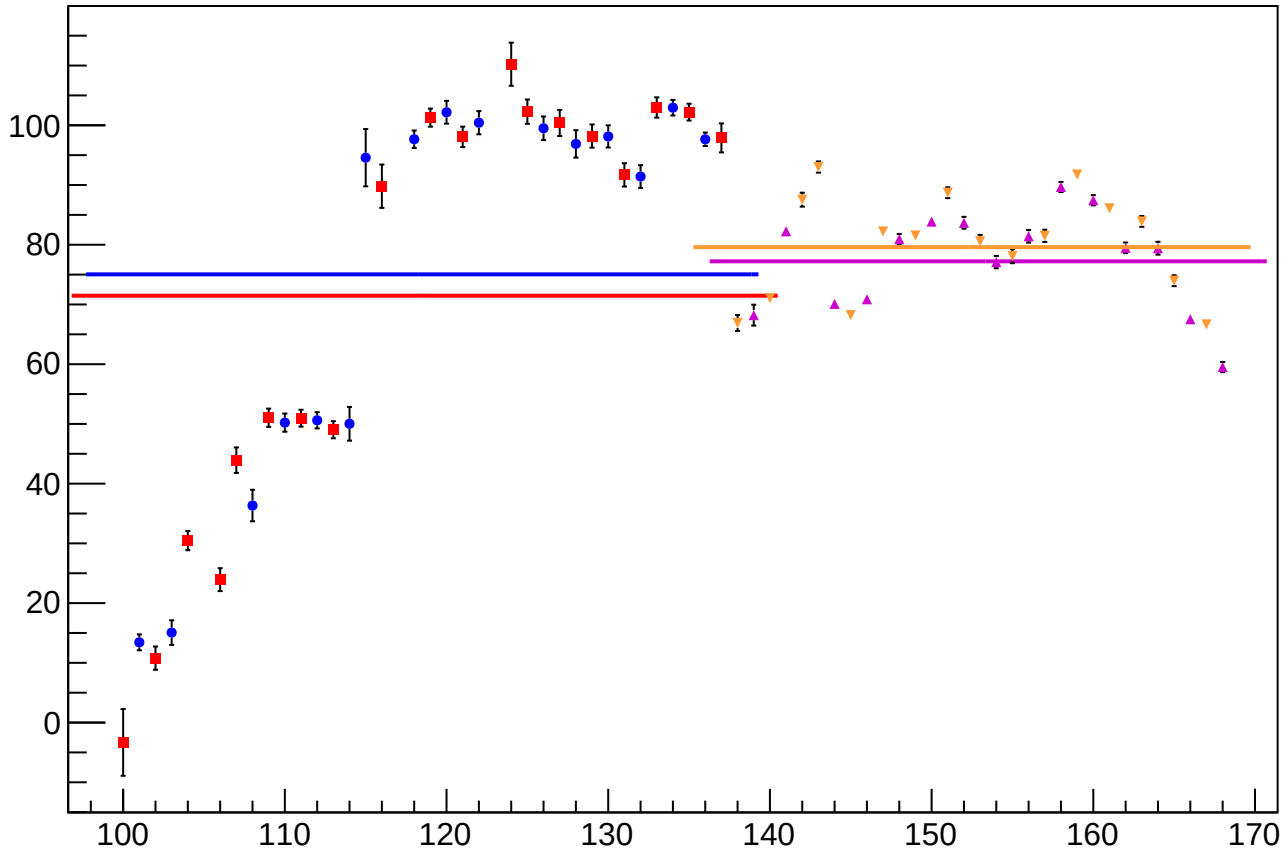
Left: -42.394+/-0.188 χ^2/NDF: 4199.3/30

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -42.944+/-0.220 χ^2/NDF:4111.9/30

Out: -43.476+/-0.218 χ^2/NDF:3315.4/34

All: -43.212+/-0.155 χ^2/NDF: 7430.2/65



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.599+/-0.223 χ^2/NDF:1472.0/15

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 77.222+/-0.225 χ^2/NDF:1354.7/14

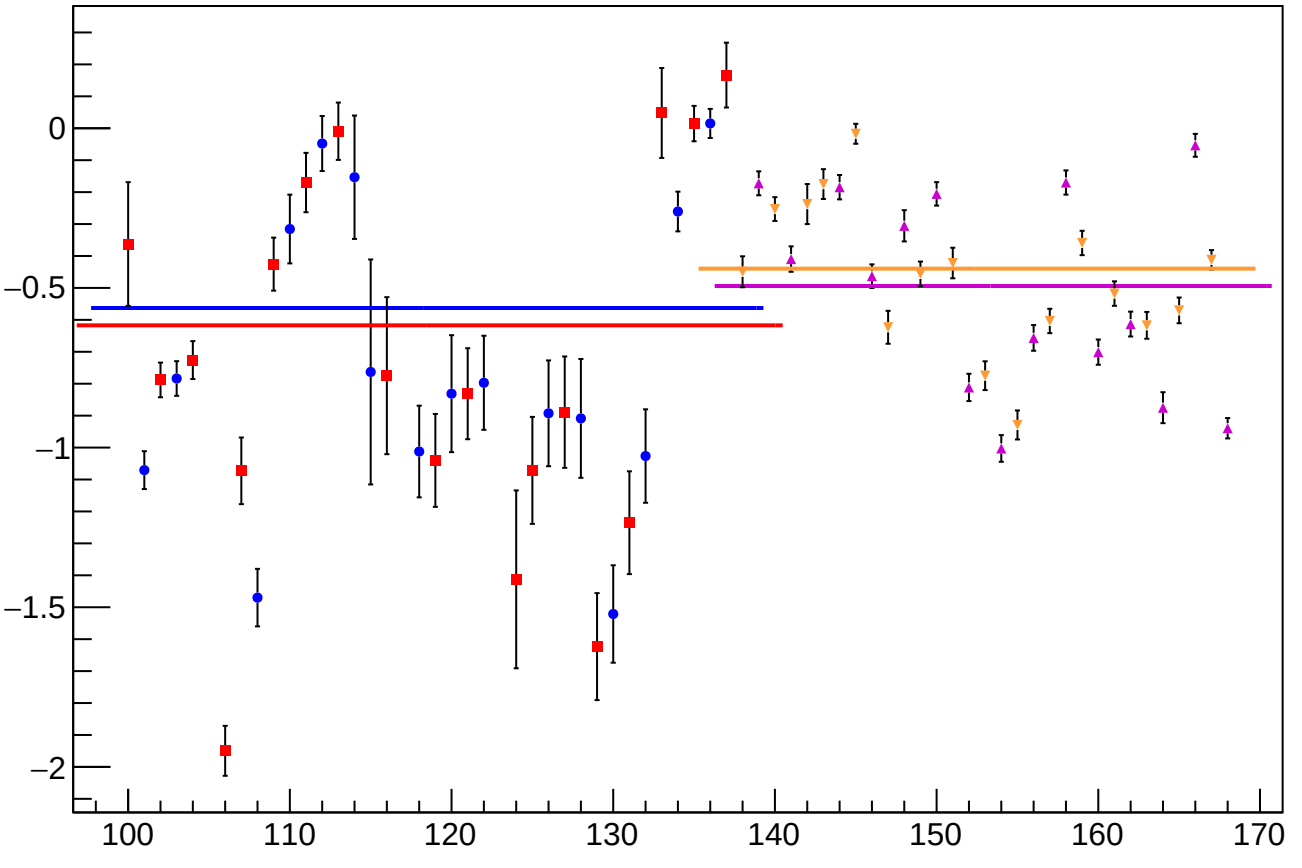
Left: 78.422+/-0.158 χ^2/NDF: 2882.9/30

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.749+/-0.199 χ^2/NDF:7203.3/30

Out: 77.849+/-0.197 χ^2/NDF:7386.5/34

All: 77.303+/-0.140 χ^2/NDF: 14605.2/65



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.440+/-0.010 χ^2/NDF:491.6/15

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.494+/-0.010 χ^2/NDF:958.6/14

Left: -0.467+/-0.007 χ^2/NDF: 1464.6/30

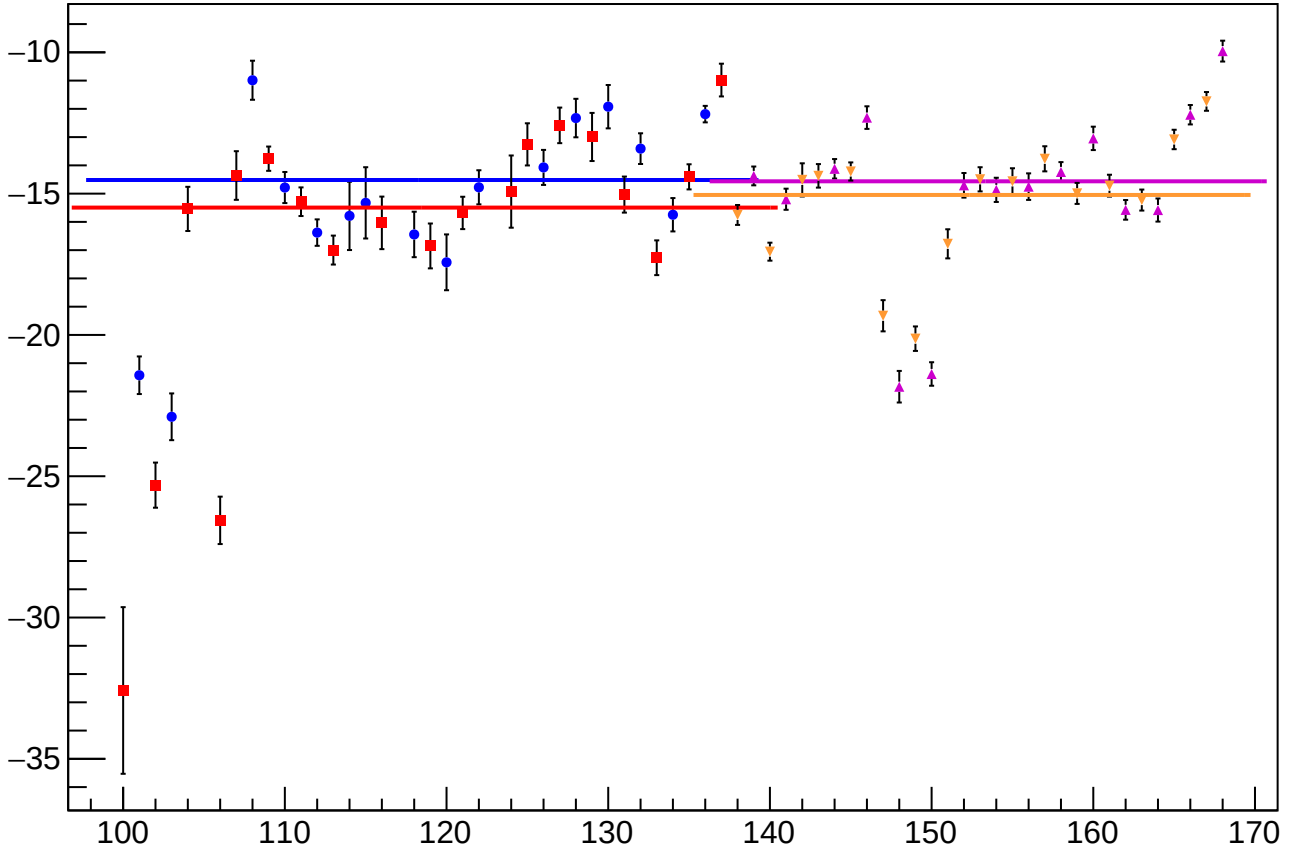
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.506+/-0.009 χ^2/NDF:1459.6/30

Out: -0.470+/-0.009 χ^2/NDF:1234.5/34

All: -0.488+/-0.007 χ^2/NDF: 2701.4/65

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: -15.047+/-0.099 χ^2/NDF:407.3/15

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.564+/-0.100 χ^2/NDF:707.0/14

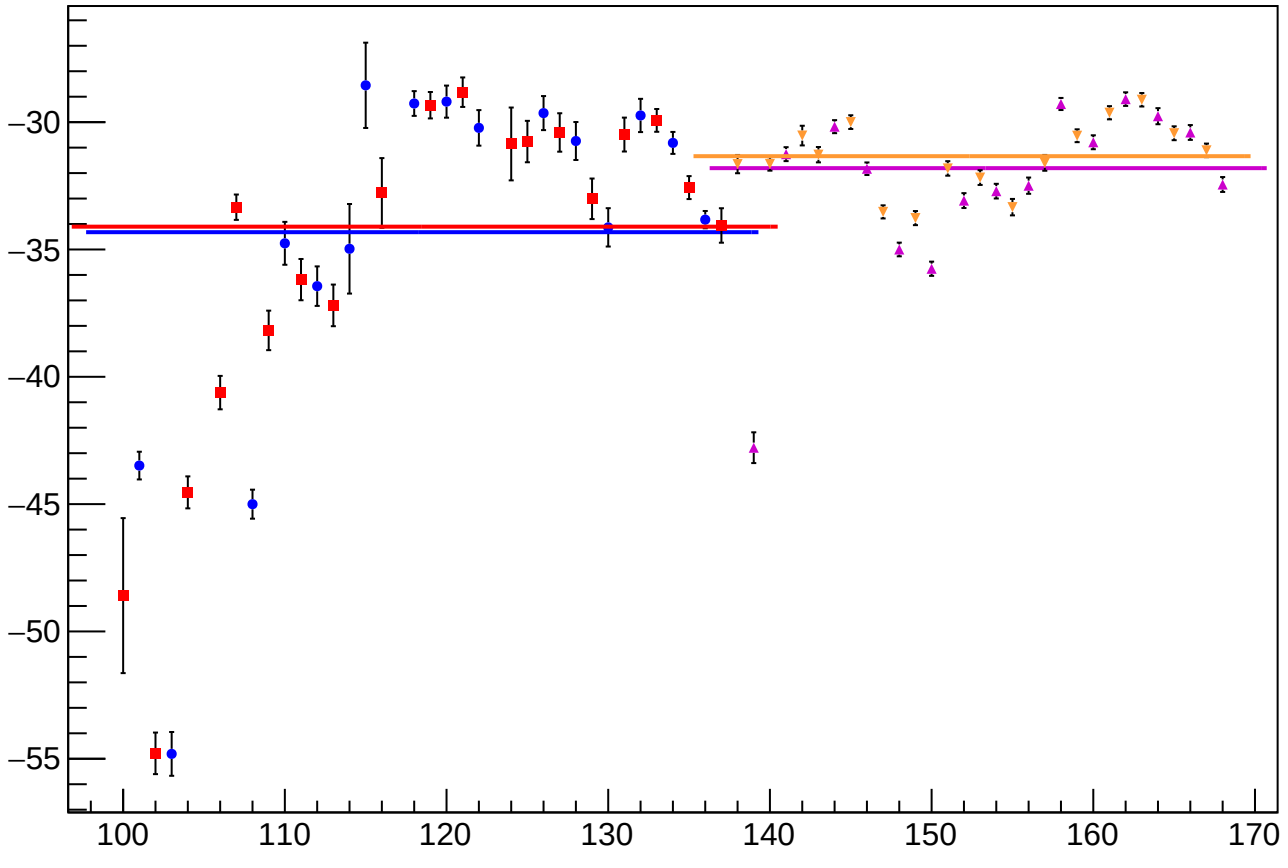
Left: -14.809+/-0.070 χ^2/NDF: 1126.0/30

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.550+/-0.083 χ^2/NDF:1070.4/30

Out: -15.182+/-0.082 χ^2/NDF:917.3/34

All: -14.869+/-0.059 χ^2/NDF: 2016.8/65



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.336+/-0.071 χ^2/NDF:366.0/15

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.806+/-0.073 χ^2/NDF:1048.2/14

Left: -31.564+/-0.051 χ^2/NDF: 1435.4/30

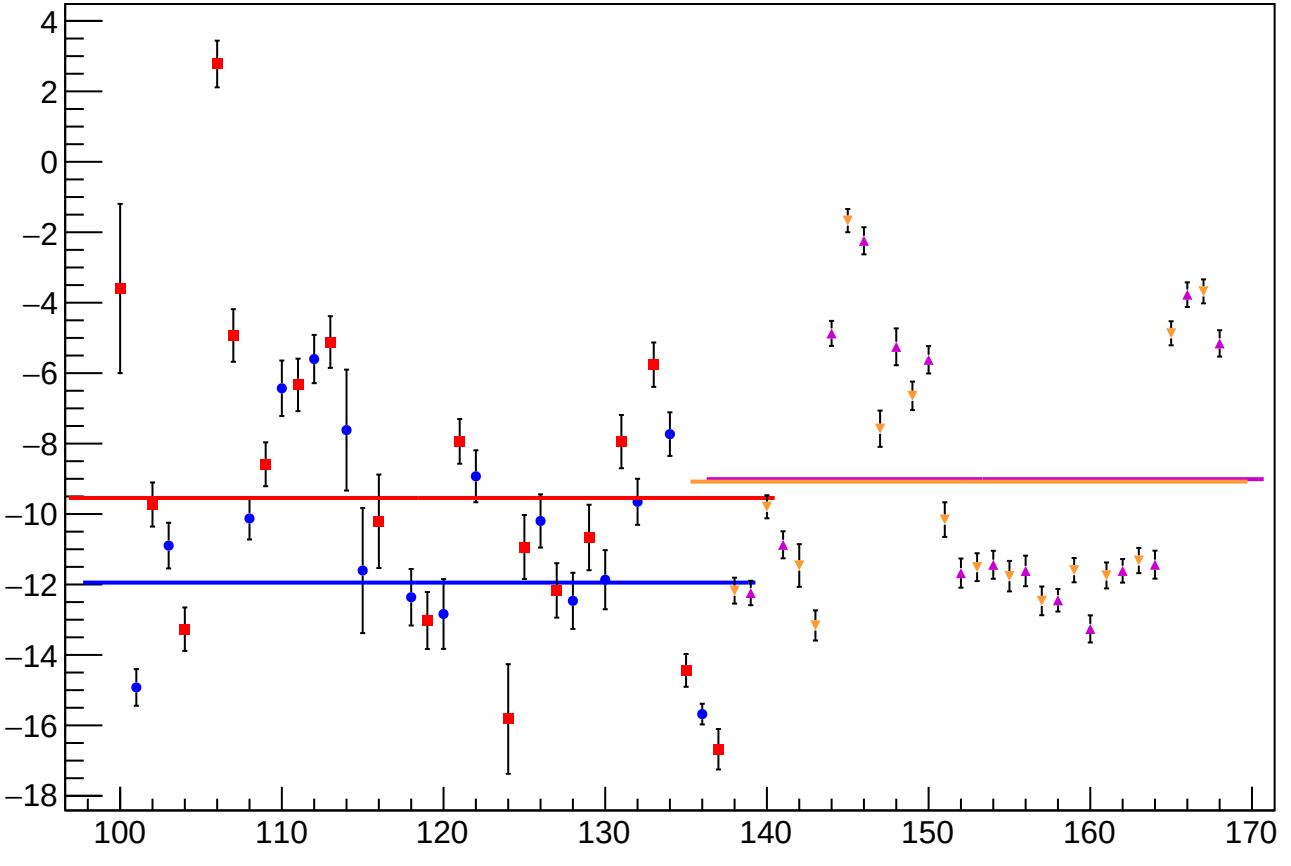
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.273+/-0.066 χ^2/NDF:2887.9/30

Out: -31.821+/-0.065 χ^2/NDF:2066.8/34

All: -32.042+/-0.046 χ^2/NDF: 4978.7/65

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: -9.079+/-0.097 χ^2/NDF:1429.9/15

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.010+/-0.098 χ^2/NDF:1463.9/14

Left: -9.045+/-0.069 χ^2/NDF: 2894.1/30

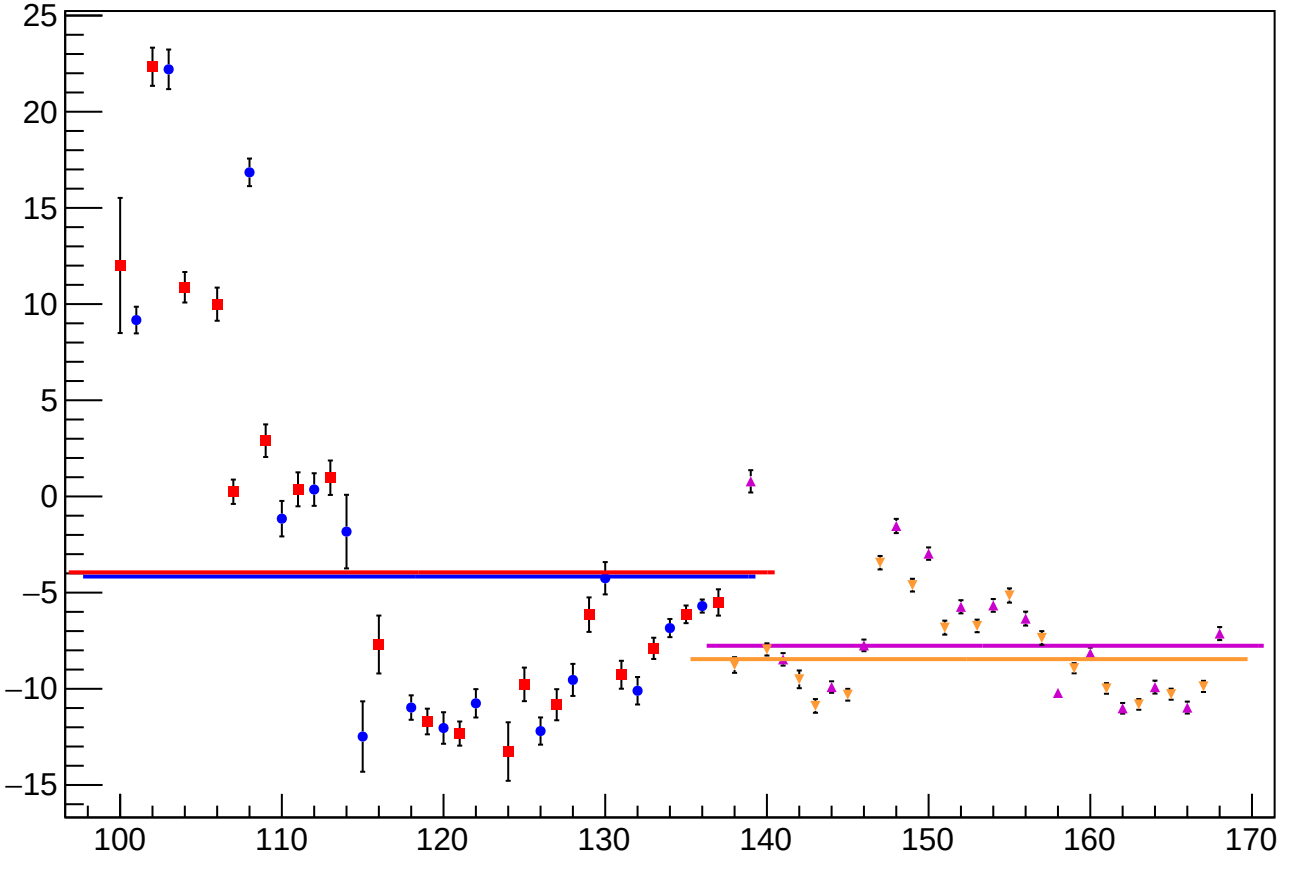
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.807+/-0.083 χ^2/NDF:2138.9/30

Out: -9.198+/-0.084 χ^2/NDF:2282.9/34

All: -9.503+/-0.059 χ^2/NDF: 4448.5/65

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: -8.457+/-0.081 χ^2/NDF:736.1/15

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.762+/-0.083 χ^2/NDF:1253.2/14

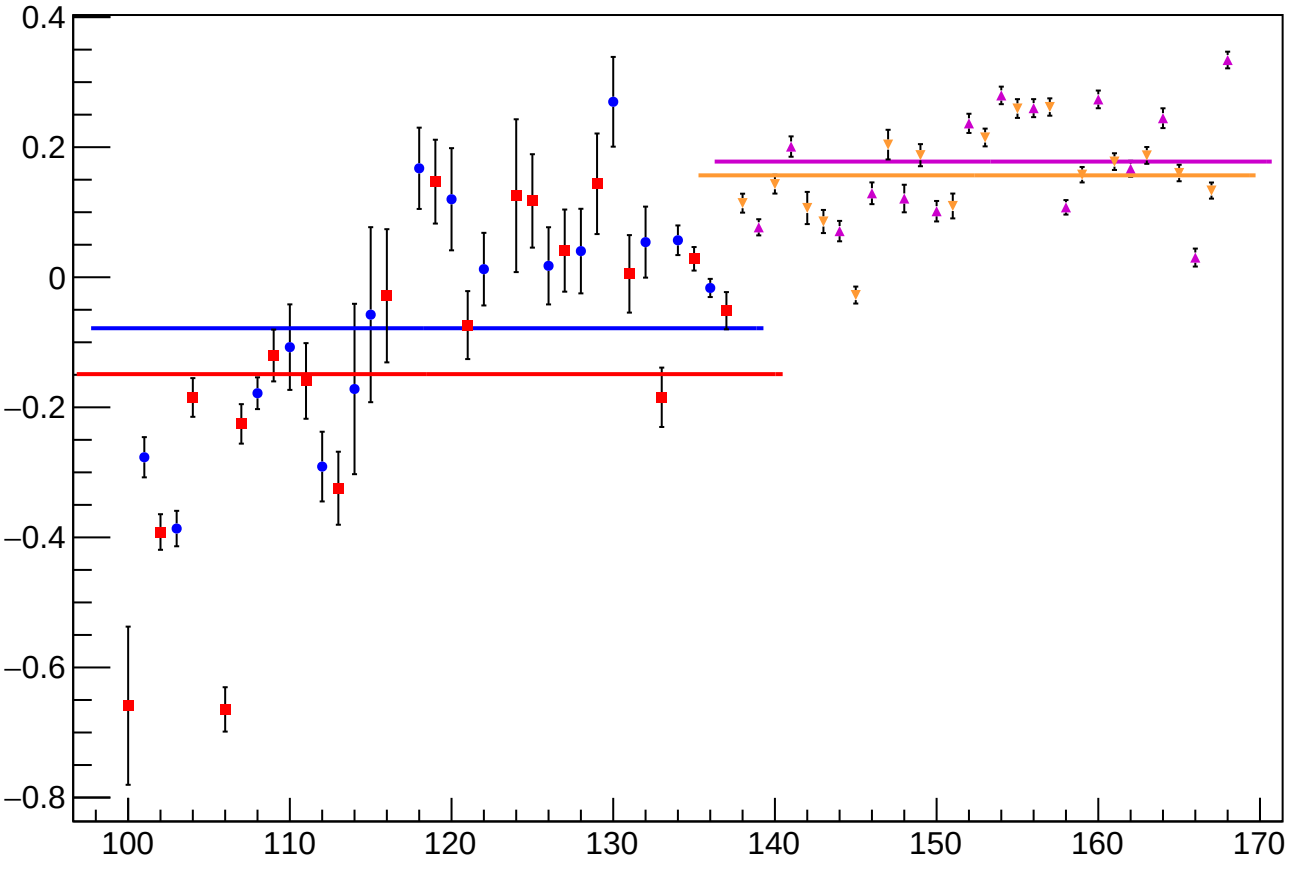
Left: -8.119+/-0.058 χ^2/NDF: 2025.3/30

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.081+/-0.075 χ^2/NDF:4133.5/30

Out: -7.670+/-0.074 χ^2/NDF:3388.3/34

All: -7.381+/-0.052 χ^2/NDF: 7553.4/65



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.157+/-0.004 χ^2/NDF:385.6/15

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.178+/-0.004 χ^2/NDF:633.8/14

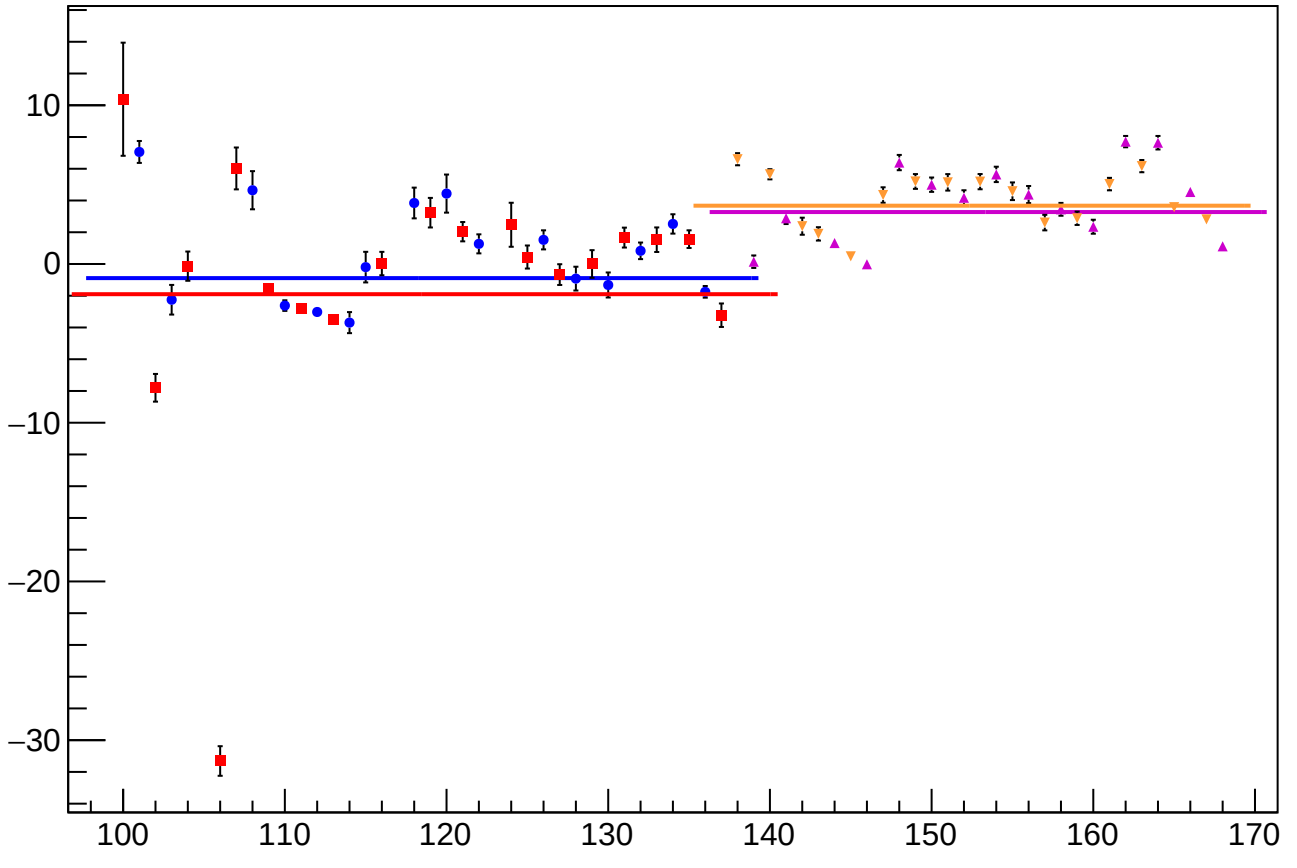
Left: 0.167+/-0.003 χ^2/NDF: 1036.3/30

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.139+/-0.003 χ^2/NDF:1709.9/30

Out: 0.115+/-0.003 χ^2/NDF:1888.6/34

All: 0.127+/-0.002 χ^2/NDF: 3624.3/65



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.673+/-0.095 χ^2/NDF:395.6/15

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.272+/-0.096 χ^2/NDF:658.8/14

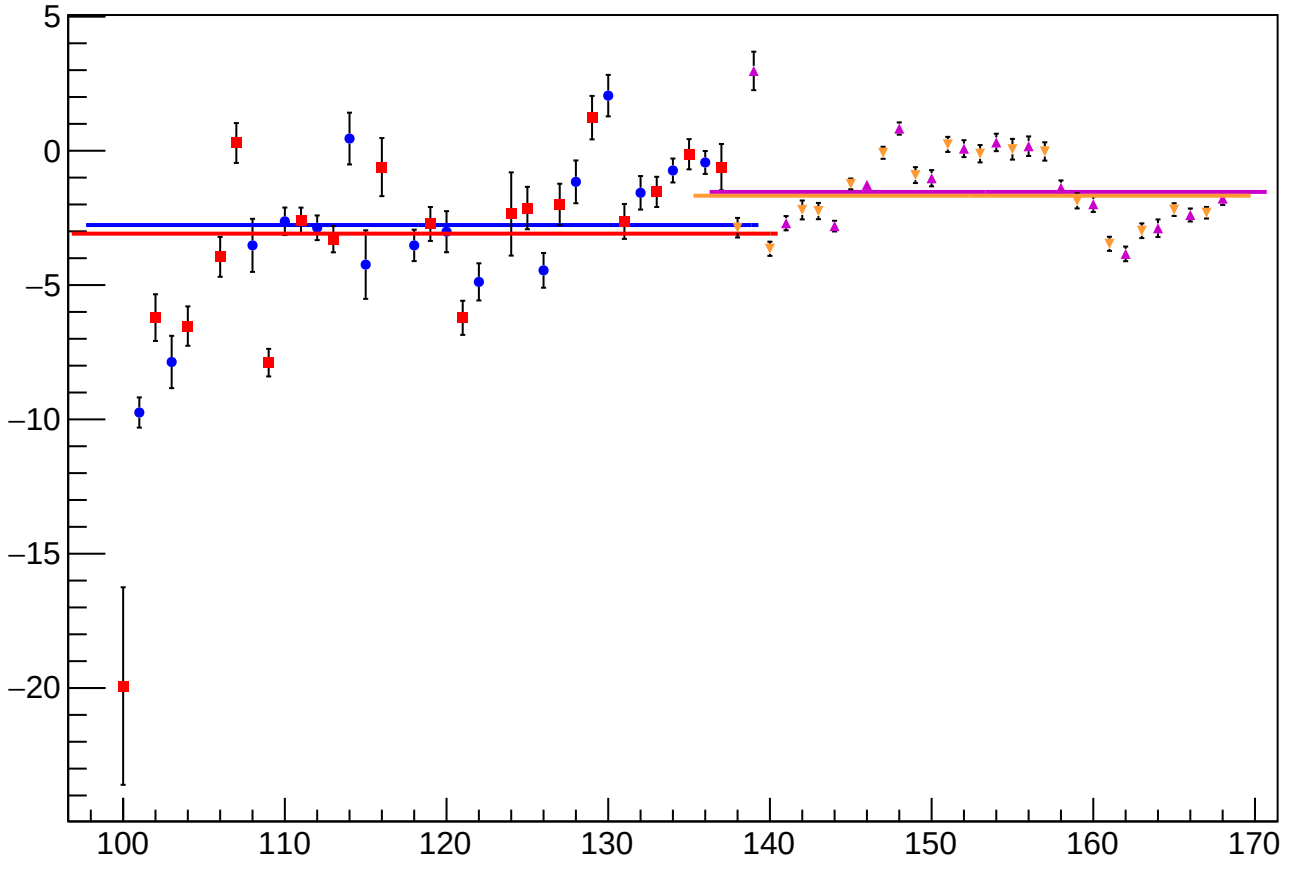
Left: 3.475+/-0.068 χ^2/NDF: 1063.1/30

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.892+/-0.079 χ^2/NDF:1659.3/30

Out: 1.689+/-0.077 χ^2/NDF:2943.0/34

All: 1.787+/-0.055 χ^2/NDF: 4605.7/65



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.673+/-0.068 χ^2/NDF:330.6/15

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.534+/-0.068 χ^2/NDF:396.8/14

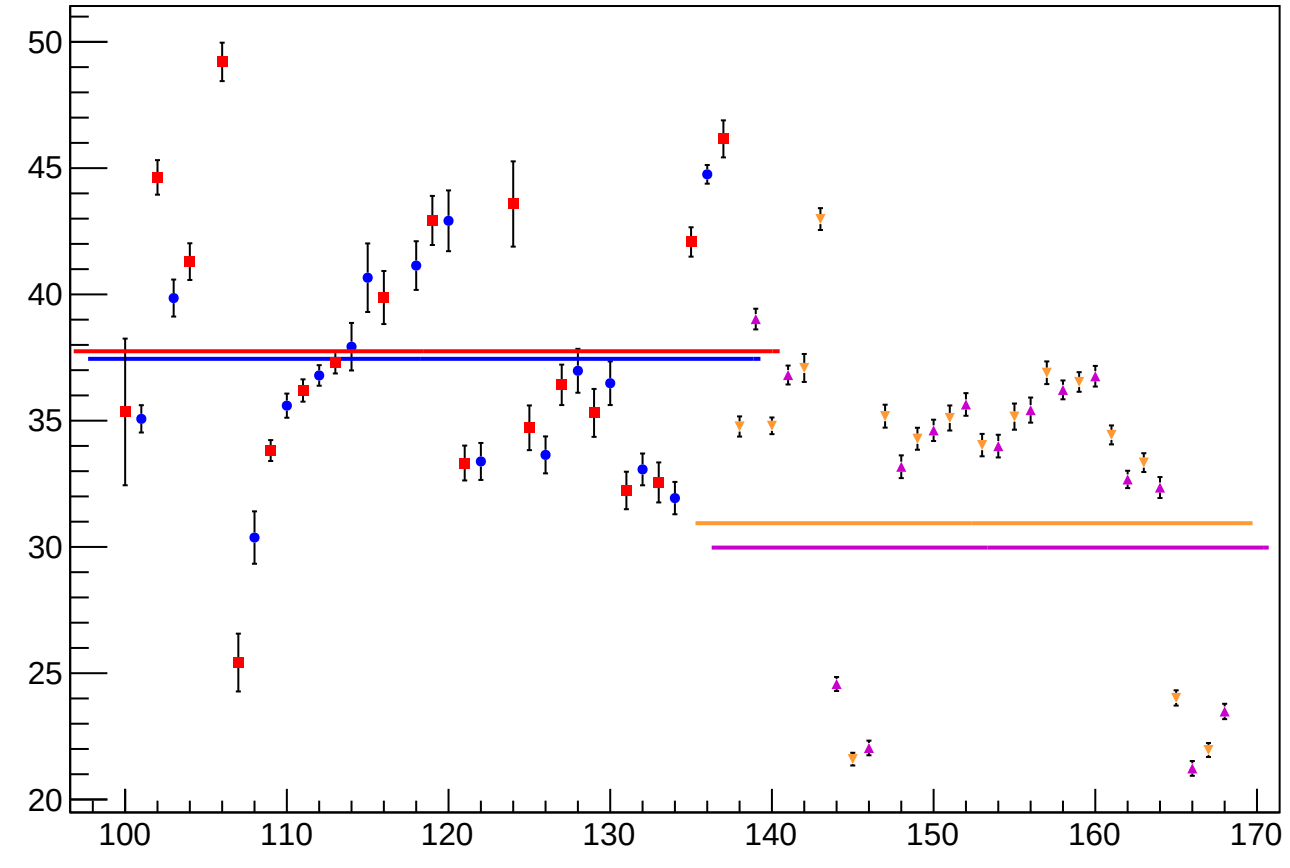
Left: -1.604+/-0.048 χ^2/NDF: 729.5/30

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

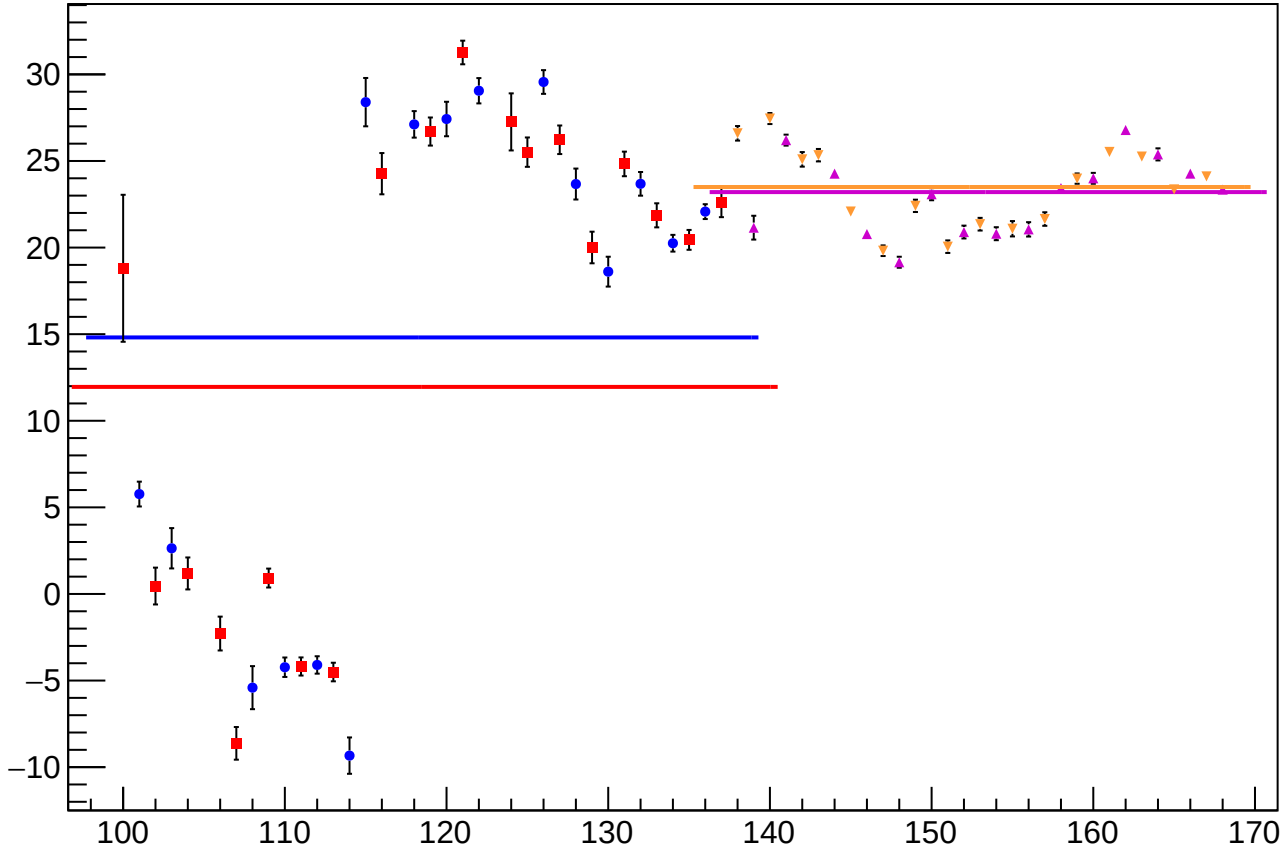
In: -1.732+/-0.063 χ^2/NDF:759.0/30

Out: -1.897+/-0.063 χ^2/NDF:670.7/34

All: -1.815+/-0.044 χ^2/NDF: 1433.2/65


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 37.449+/-0.161 χ²/NDF: 706.9/15
Left Out: 30.940+/-0.094 χ²/NDF:4908.9/15
Right Out: 37.749+/-0.159 χ²/NDF: 963.6/18
Left In: 29.974+/-0.094 χ²/NDF:4475.8/14
Left: 30.457+/-0.067 χ²/NDF: 9437.1/30
Right: 37.600+/-0.113 χ²/NDF: 1672.3/34
In: 31.889+/-0.081 χ²/NDF:6791.4/30
Out: 32.704+/-0.081 χ²/NDF:7224.2/34
All: 32.298+/-0.057 χ²/NDF: 14065.9/65

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.497+/-0.078 χ^2/NDF:715.1/15

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.203+/-0.079 χ^2/NDF:730.7/14

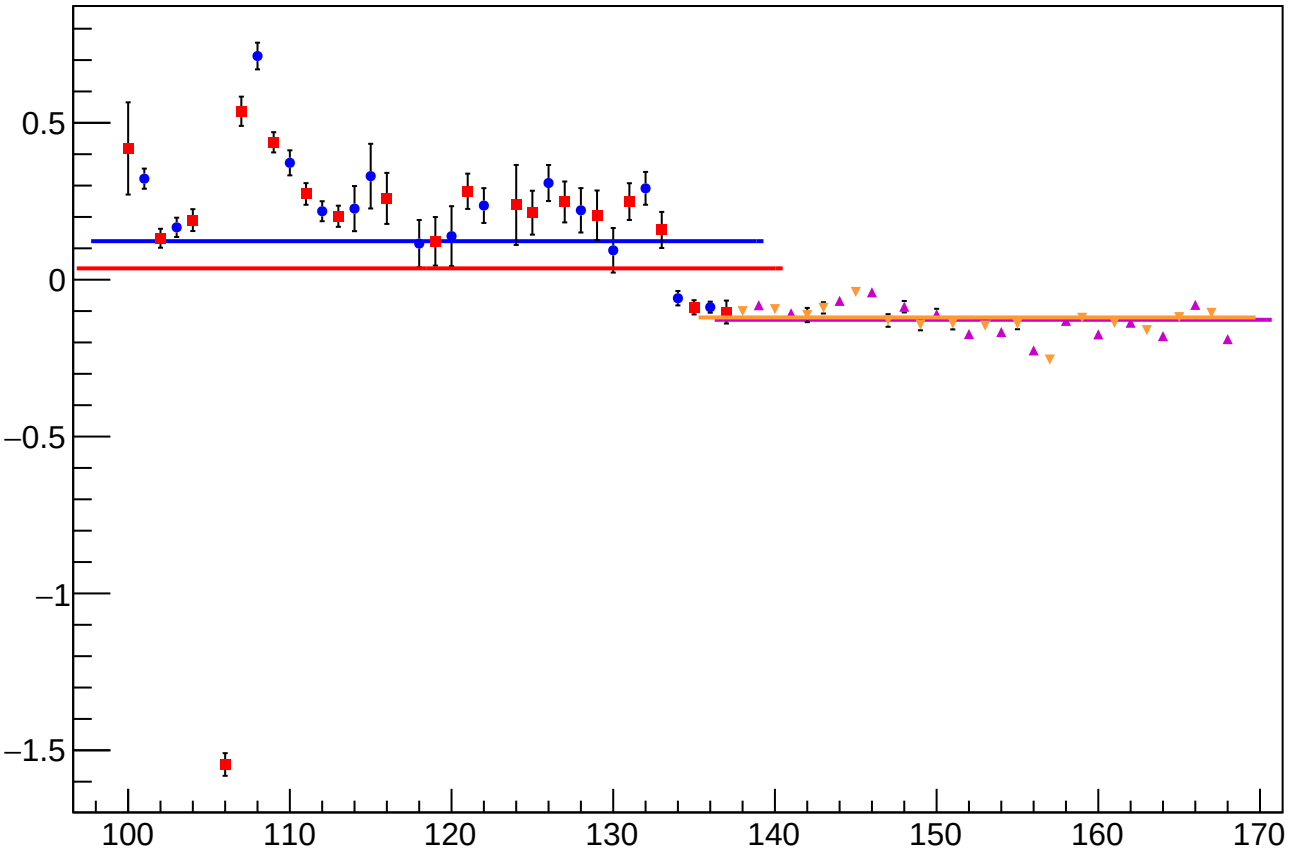
Left: 23.351+/-0.056 χ^2/NDF: 1452.8/30

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.765+/-0.072 χ^2/NDF:8346.8/30

Out: 21.605+/-0.072 χ^2/NDF:10382.8/34

All: 21.685+/-0.051 χ^2/NDF: 18732.1/65



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.004 χ^2/NDF:177.0/15

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.128+/-0.004 χ^2/NDF:217.3/14

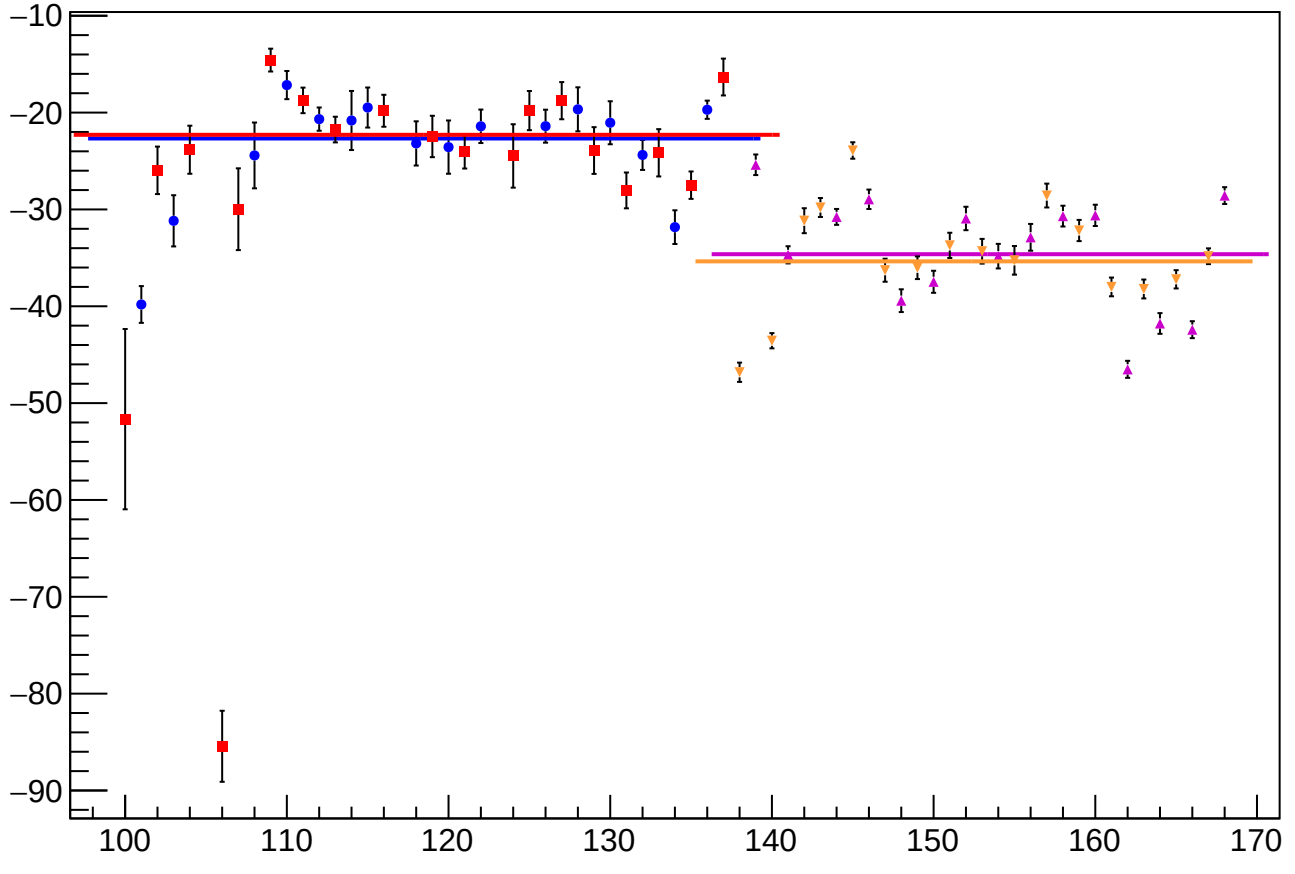
Left: -0.124+/-0.003 χ^2/NDF: 396.4/30

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.096+/-0.003 χ^2/NDF:1356.5/30

Out: -0.102+/-0.003 χ^2/NDF:2817.9/34

All: -0.099+/-0.002 χ^2/NDF: 4175.9/65



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.363+/-0.258 χ^2/NDF:527.7/15

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.623+/-0.263 χ^2/NDF:546.0/14

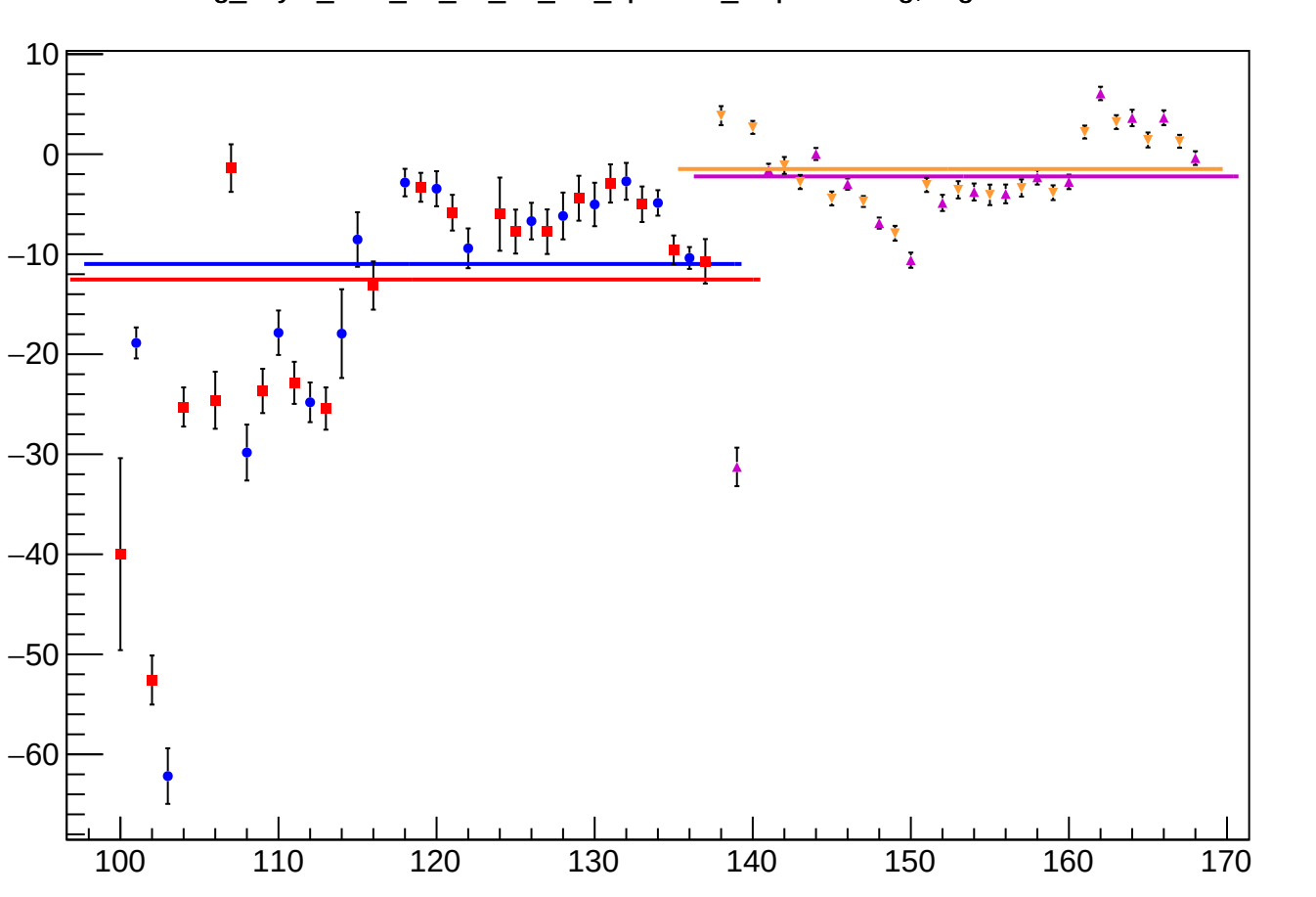
Left: -34.999+/-0.184 χ^2/NDF: 1077.8/30

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

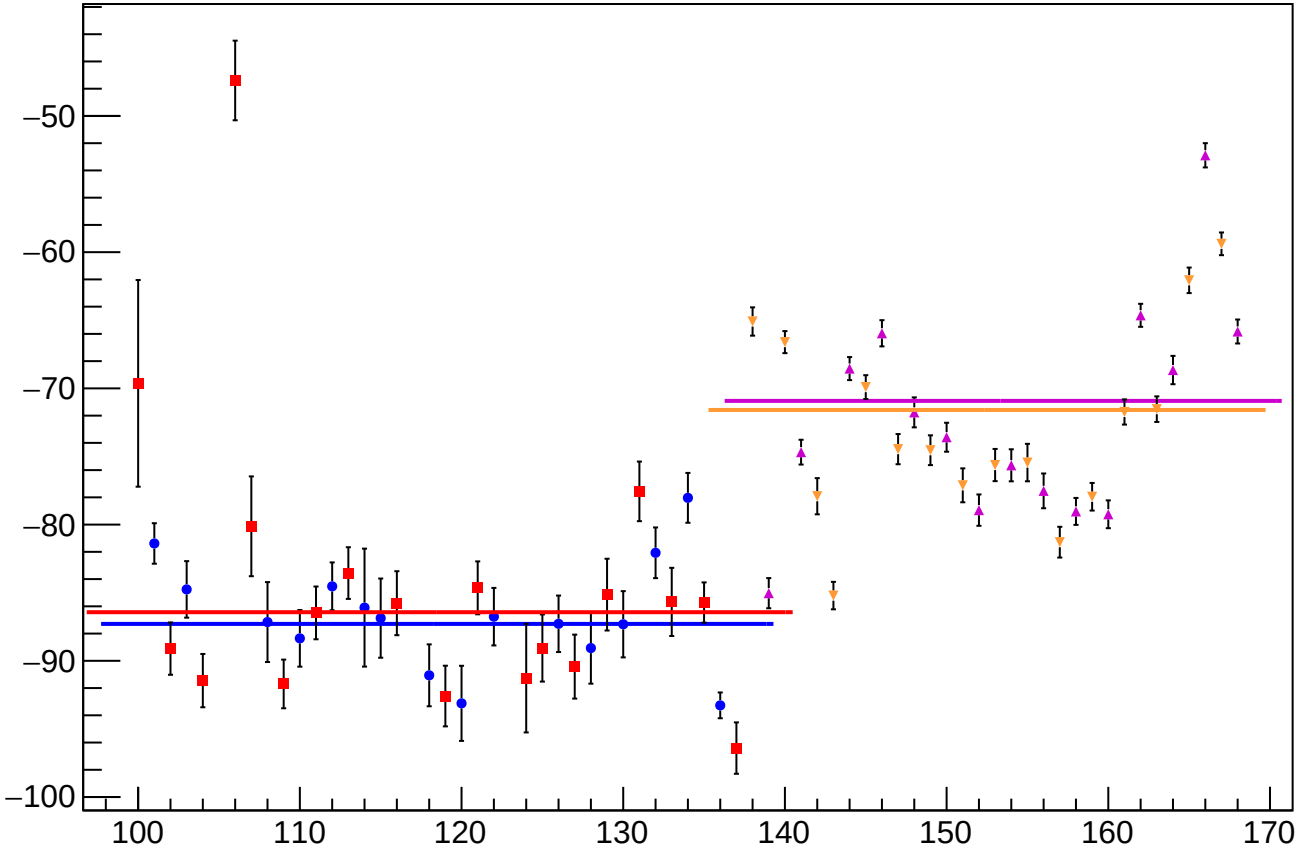
In: -31.420+/-0.225 χ^2/NDF:1253.8/30

Out: -31.960+/-0.222 χ^2/NDF:1600.2/34

All: -31.694+/-0.158 χ^2/NDF: 2856.9/65


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: -1.483+/-0.182 χ²/NDF:348.1/15
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -2.226+/-0.186 χ²/NDF:726.9/14
Left: -1.846+/-0.130 χ²/NDF: 1083.1/30
Right: -11.710+/-0.330 χ²/NDF: 1165.1/34
In: -3.484+/-0.172 χ²/NDF:1633.3/30
Out: -2.864+/-0.170 χ²/NDF:1382.0/34
All: -3.171+/-0.121 χ²/NDF: 3021.9/65

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.584+/-0.254 χ^2/NDF:770.4/15

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -70.918+/-0.257 χ^2/NDF:949.8/14

Left: -71.255+/-0.181 χ^2/NDF: 1723.7/30

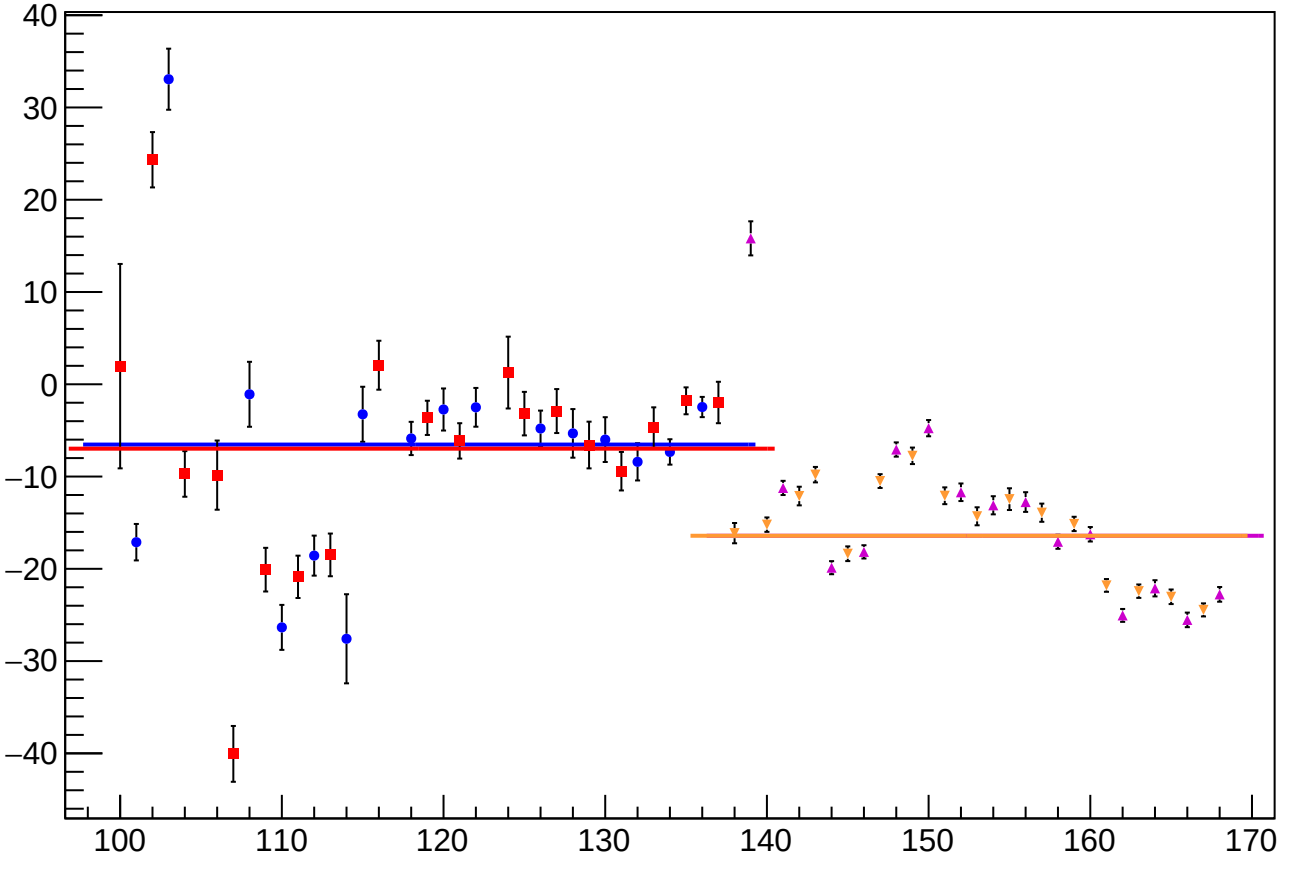
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -74.554+/-0.226 χ^2/NDF:1953.9/30

Out: -74.574+/-0.227 χ^2/NDF:1723.0/34

All: -74.564+/-0.160 χ^2/NDF: 3676.9/65

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: -16.417+/-0.210 χ^2/NDF:620.6/15

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -16.419+/-0.215 χ^2/NDF:1140.6/14

Left: -16.418+/-0.150 χ^2/NDF: 1761.2/30

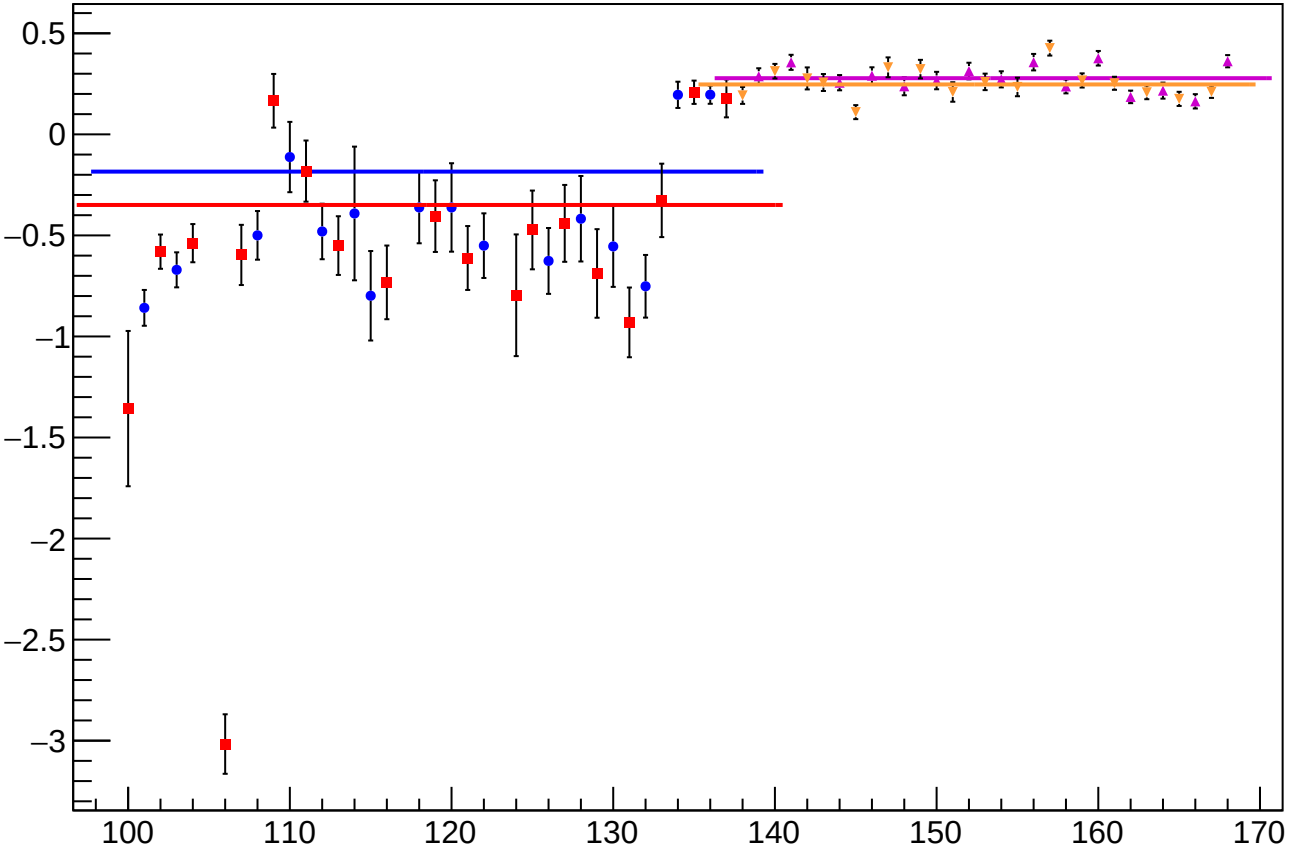
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -14.922+/-0.198 χ^2/NDF:1775.9/30

Out: -15.186+/-0.196 χ^2/NDF:1252.9/34

All: -15.055+/-0.139 χ^2/NDF: 3029.7/65

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.247+/-0.010 χ^2/NDF:58.4/15

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.278+/-0.010 χ^2/NDF:48.5/14

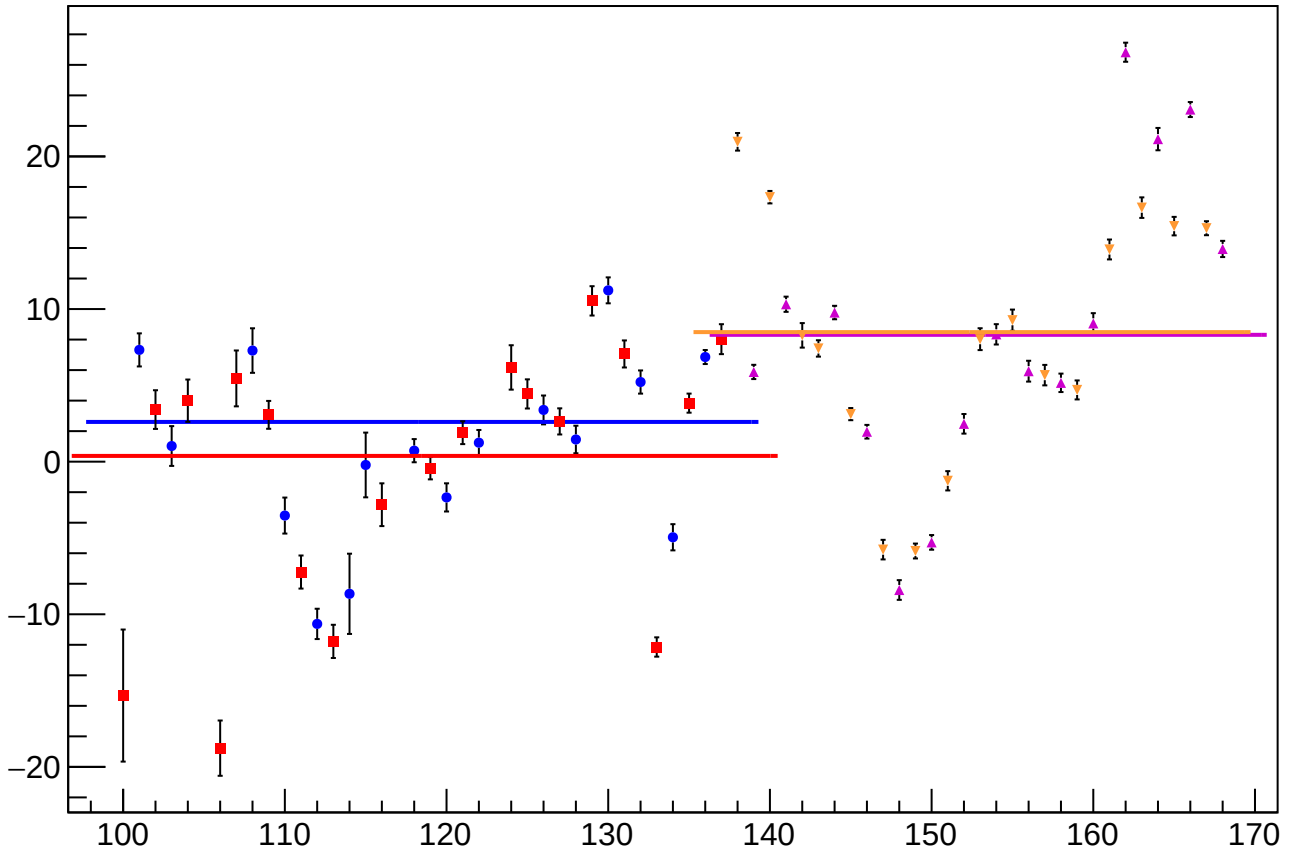
Left: 0.262+/-0.007 χ^2/NDF: 112.0/30

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.224+/-0.009 χ^2/NDF:559.6/30

Out: 0.189+/-0.009 χ^2/NDF:948.1/34

All: 0.207+/-0.006 χ^2/NDF: 1515.3/65



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 8.489+/-0.141 χ^2/NDF:3341.7/15

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.311+/-0.142 χ^2/NDF:4045.4/14

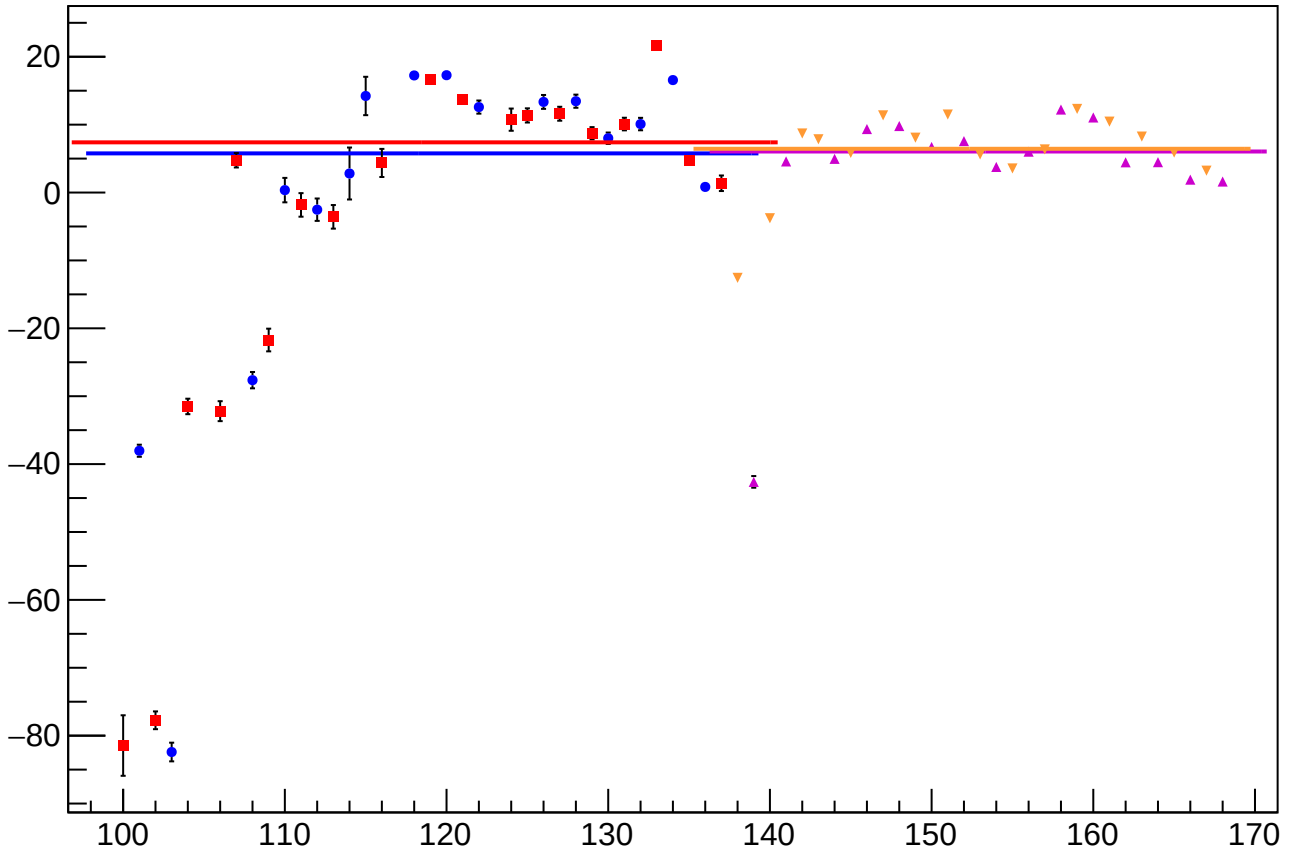
Left: 8.401+/-0.100 χ^2/NDF: 7387.9/30

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 6.670+/-0.120 χ^2/NDF:5080.5/30

Out: 6.162+/-0.119 χ^2/NDF:5322.7/34

All: 6.413+/-0.085 χ^2/NDF: 10412.3/65



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.445+/-0.100 χ^2/NDF:2906.0/15

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.045+/-0.102 χ^2/NDF:4153.1/14

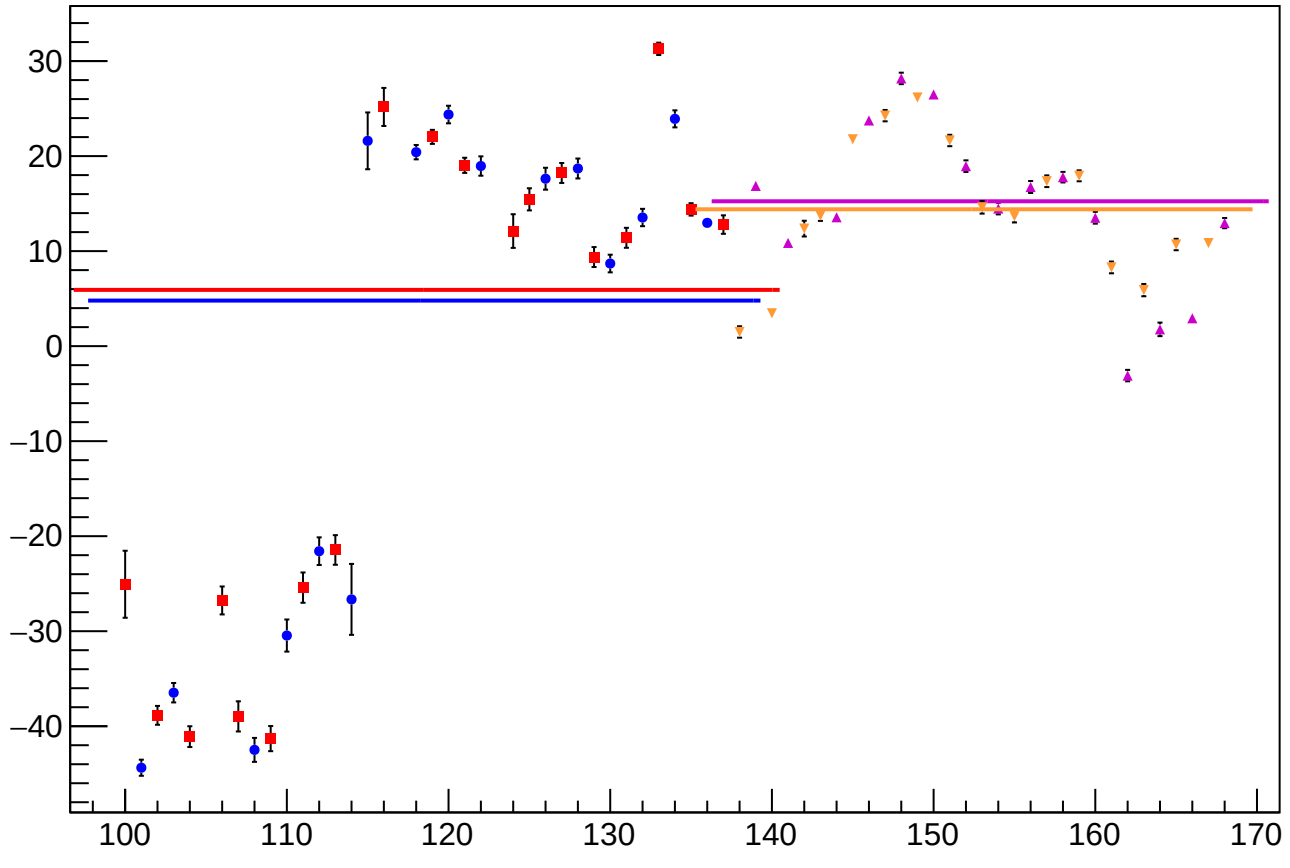
Left: 6.249+/-0.071 χ^2/NDF: 7066.9/30

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.992+/-0.092 χ^2/NDF:13088.3/30

Out: 6.622+/-0.090 χ^2/NDF:11313.3/34

All: 6.312+/-0.064 χ^2/NDF: 24425.6/65



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.403+/-0.139 χ^2/NDF:2980.4/15

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.245+/-0.139 χ^2/NDF:3551.3/14

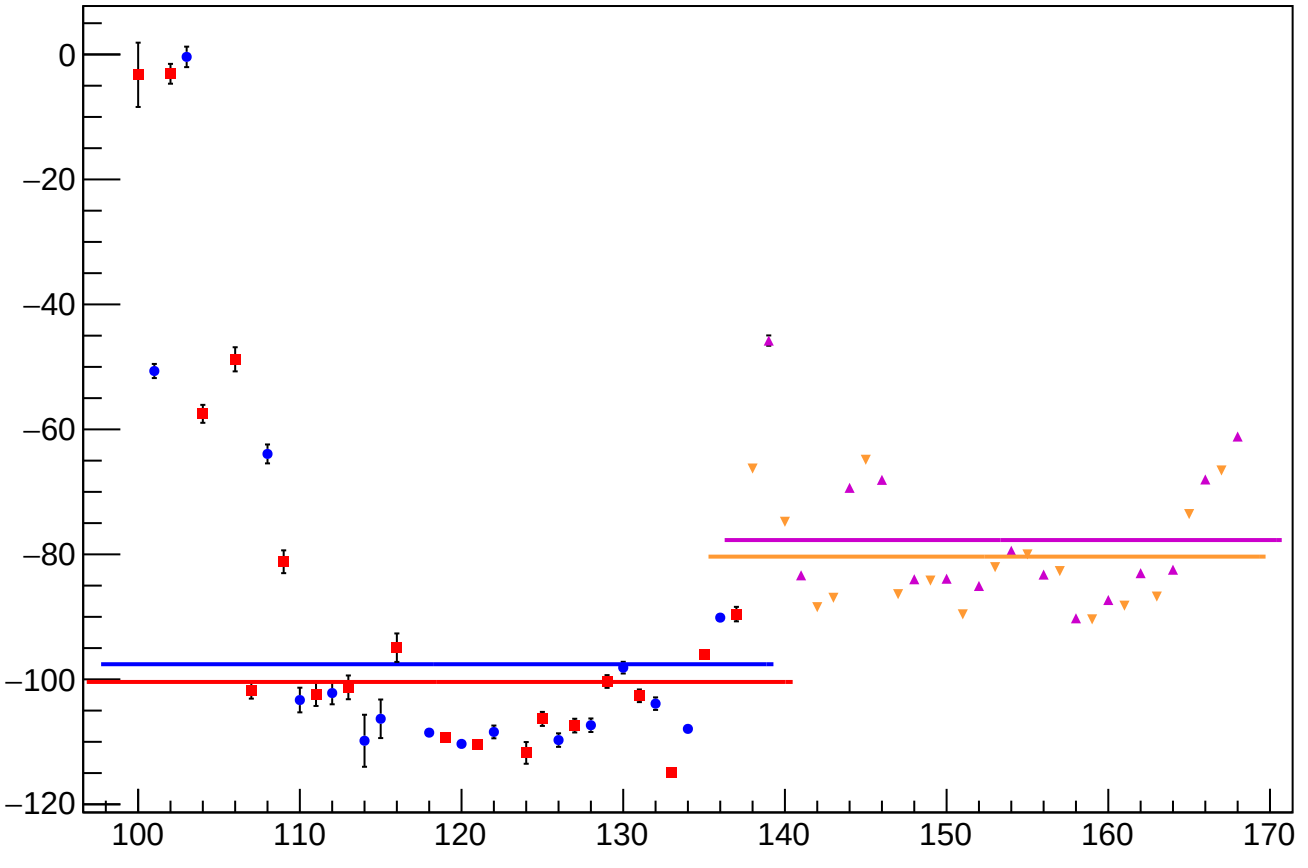
Left: 14.822+/-0.098 χ^2/NDF: 6550.1/30

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 12.576+/-0.120 χ^2/NDF:14491.2/30

Out: 12.281+/-0.120 χ^2/NDF:13977.2/34

All: 12.429+/-0.085 χ^2/NDF: 28471.4/65



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.363+/-0.116 χ^2/NDF:5793.4/15

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -77.711+/-0.118 χ^2/NDF:6802.4/14

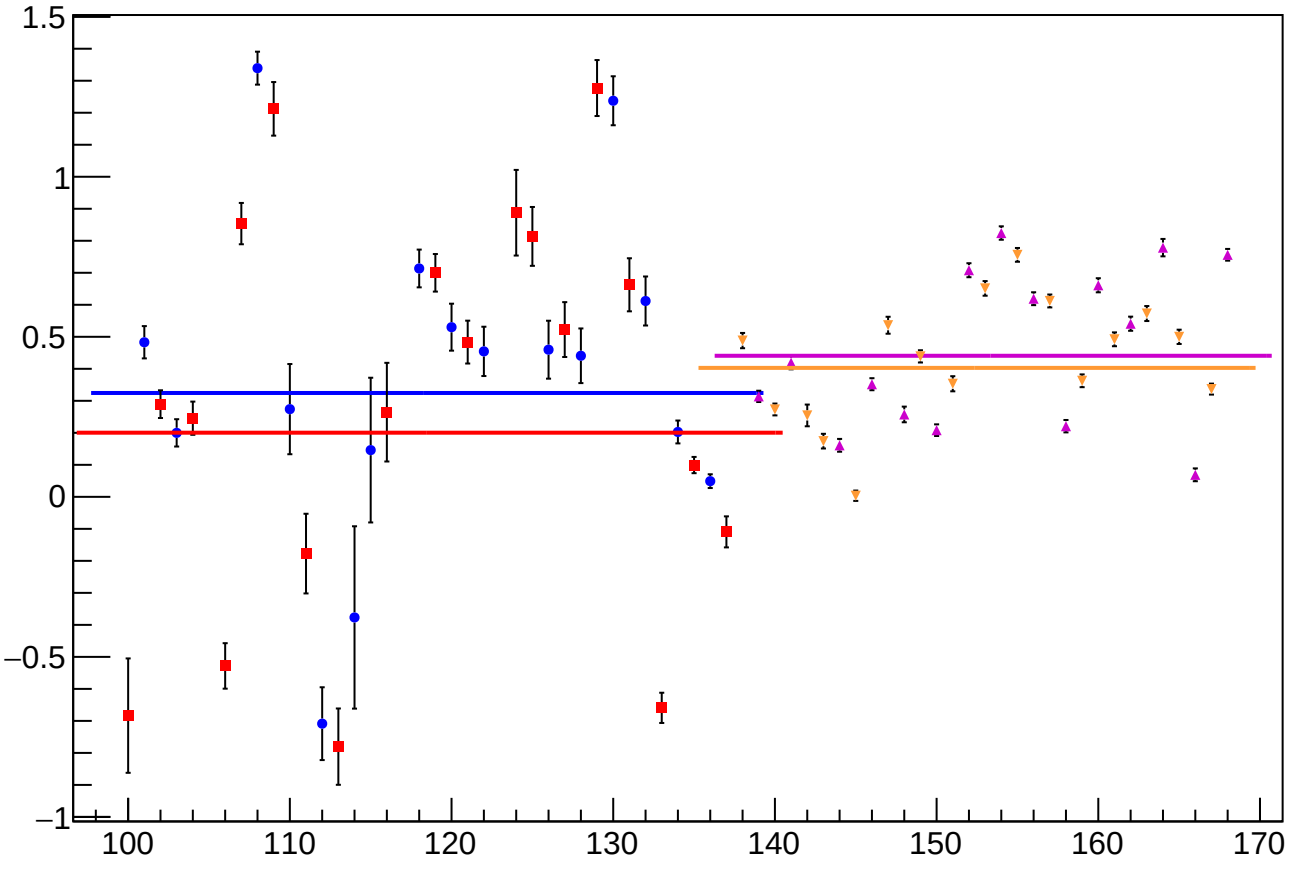
Left: -79.061+/-0.083 χ^2/NDF: 12852.4/30

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -81.541+/-0.106 χ^2/NDF:19402.9/30

Out: -84.132+/-0.104 χ^2/NDF:18533.6/34

All: -82.857+/-0.074 χ^2/NDF: 38239.3/65



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.403+/-0.005 χ^2/NDF:1425.3/15

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.441+/-0.005 χ^2/NDF:2095.3/14

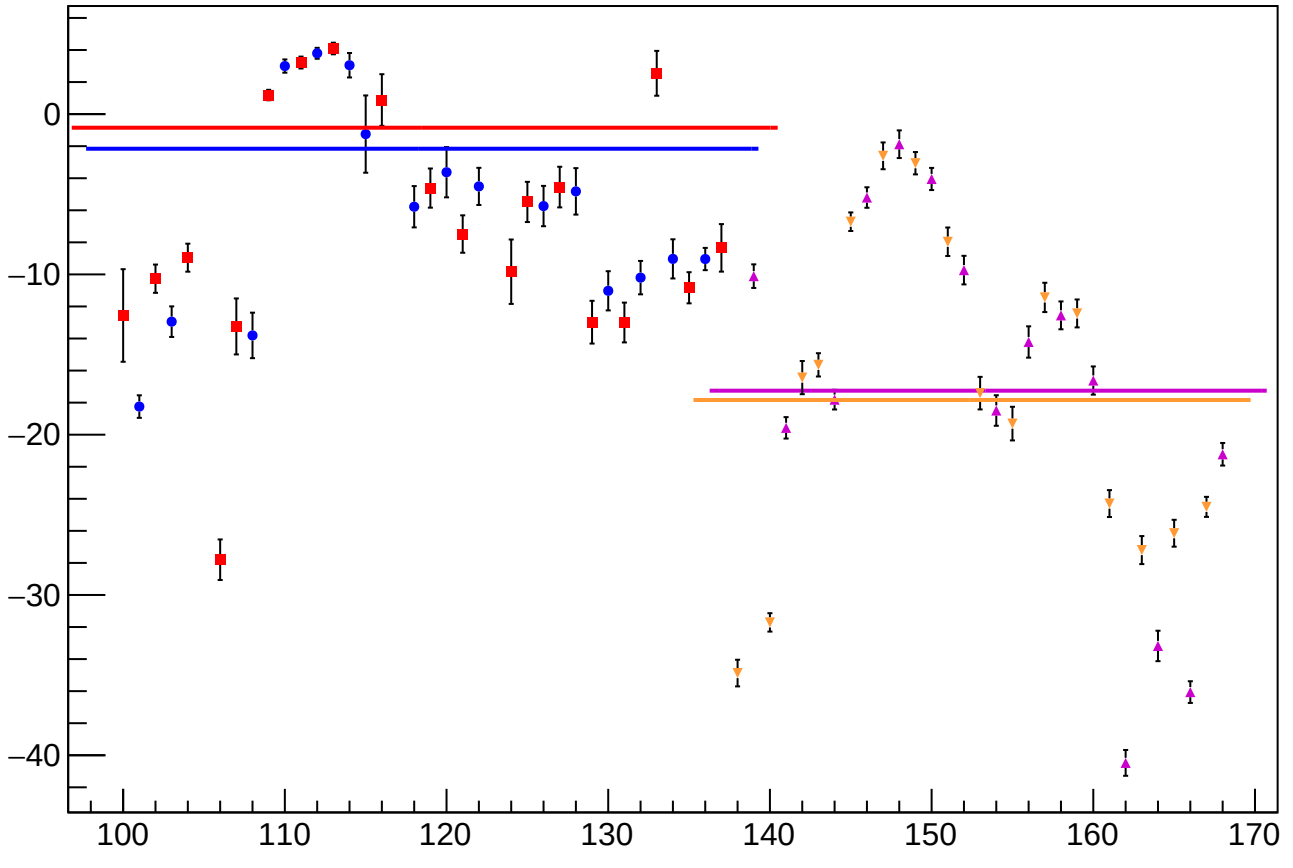
Left: 0.422+/-0.004 χ^2/NDF: 3546.3/30

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.425+/-0.005 χ^2/NDF:3048.0/30

Out: 0.377+/-0.005 χ^2/NDF:2818.2/34

All: 0.401+/-0.003 χ^2/NDF: 5913.4/65



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.835+/-0.196 χ^2/NDF:2761.9/15

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -17.254+/-0.198 χ^2/NDF:3172.2/14

Left: -17.548+/-0.139 χ^2/NDF: 5938.5/30

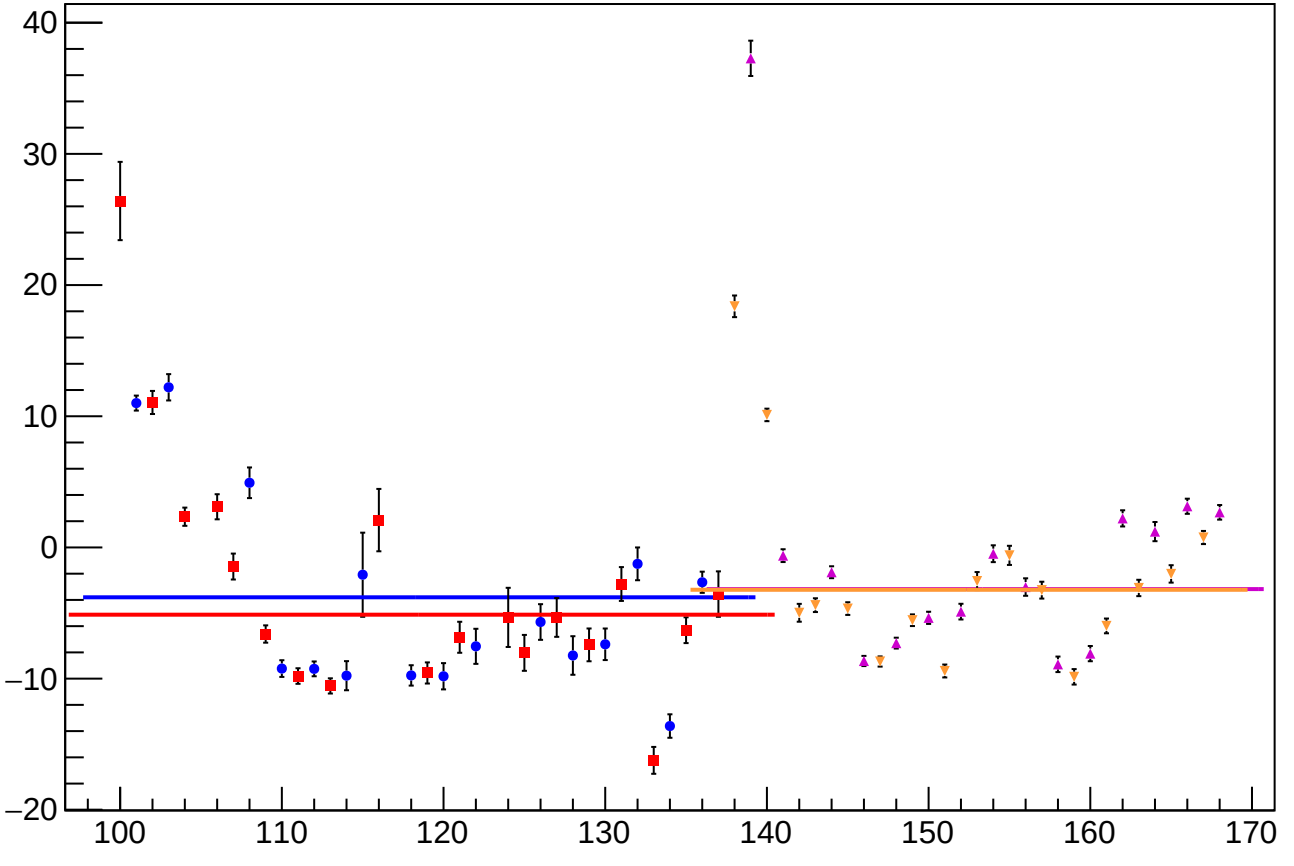
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.470+/-0.138 χ^2/NDF:7657.5/30

Out: -8.176+/-0.128 χ^2/NDF:8514.5/34

All: -8.778+/-0.094 χ^2/NDF: 16219.1/65

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: -3.226+/-0.137 χ^2/NDF:2098.5/15

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.175+/-0.140 χ^2/NDF:1793.6/14

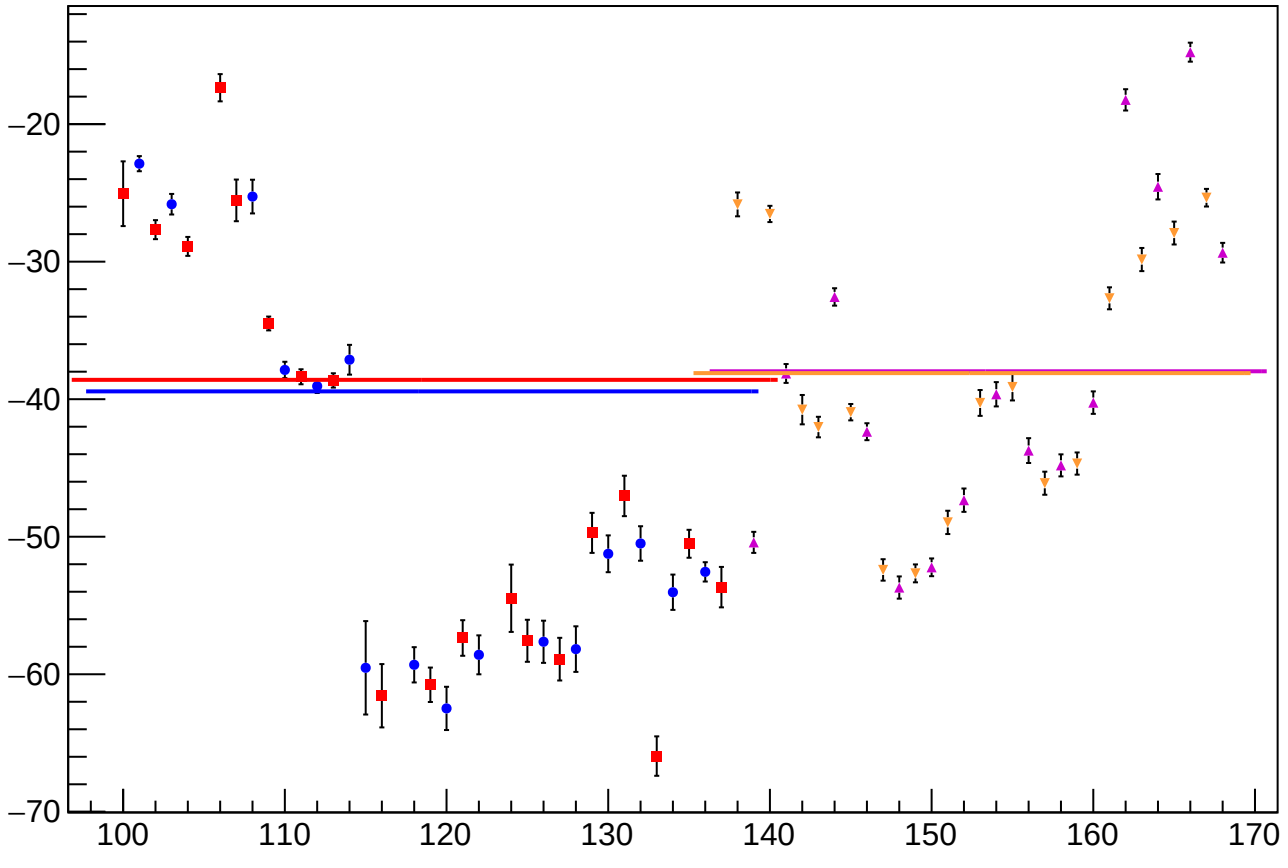
Left: -3.201+/-0.098 χ^2/NDF: 3892.2/30

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.349+/-0.119 χ^2/NDF:3224.7/30

Out: -3.763+/-0.116 χ^2/NDF:3133.2/34

All: -3.561+/-0.083 χ^2/NDF: 6364.1/65



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -38.104+/-0.192 χ^2/NDF:2493.0/15

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -37.971+/-0.193 χ^2/NDF:3635.5/14

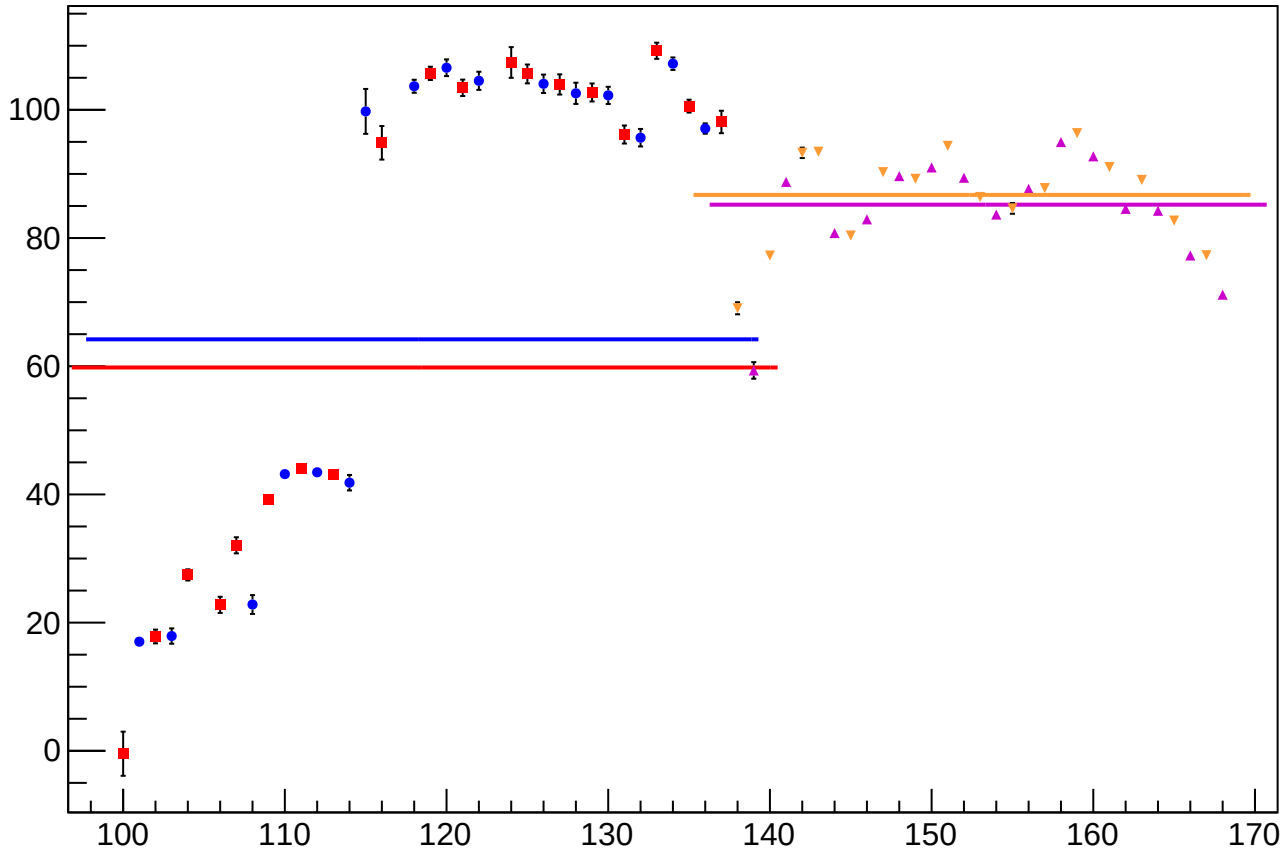
Left: -38.038+/-0.136 χ^2/NDF: 6128.7/30

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.590+/-0.147 χ^2/NDF:6617.8/30

Out: -38.324+/-0.143 χ^2/NDF:5268.0/34

All: -38.453+/-0.102 χ^2/NDF: 11887.5/65



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.729+/-0.160 χ^2/NDF:1799.9/15

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.203+/-0.163 χ^2/NDF:1788.6/14

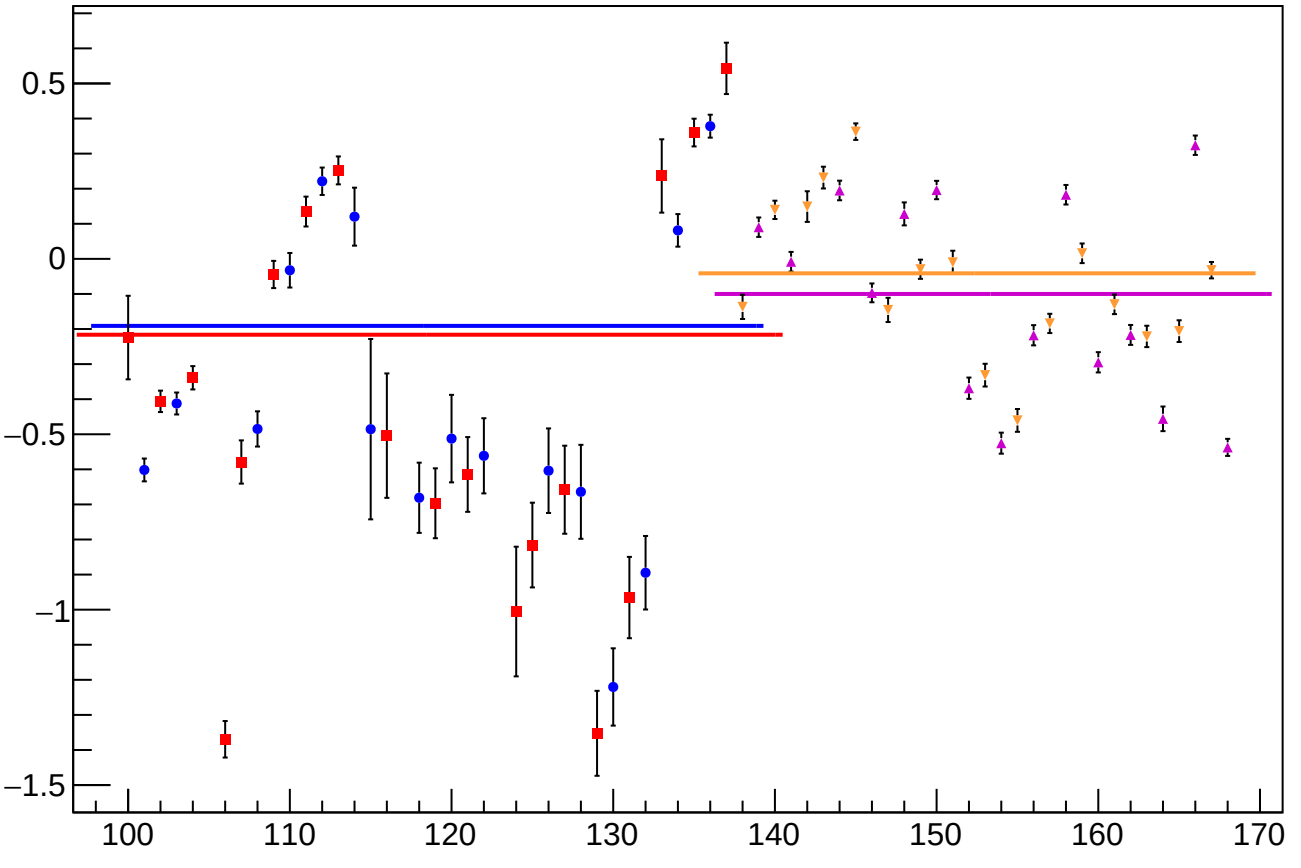
Left: 85.980+/-0.114 χ^2/NDF: 3633.3/30

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.207+/-0.138 χ^2/NDF:25140.8/30

Out: 78.868+/-0.134 χ^2/NDF:27526.8/34

All: 79.034+/-0.096 χ^2/NDF: 52670.8/65



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.041+/-0.007 χ^2/NDF:807.2/15

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.100+/-0.007 χ^2/NDF:1469.1/14

Left: -0.071+/-0.005 χ^2/NDF: 2308.4/30

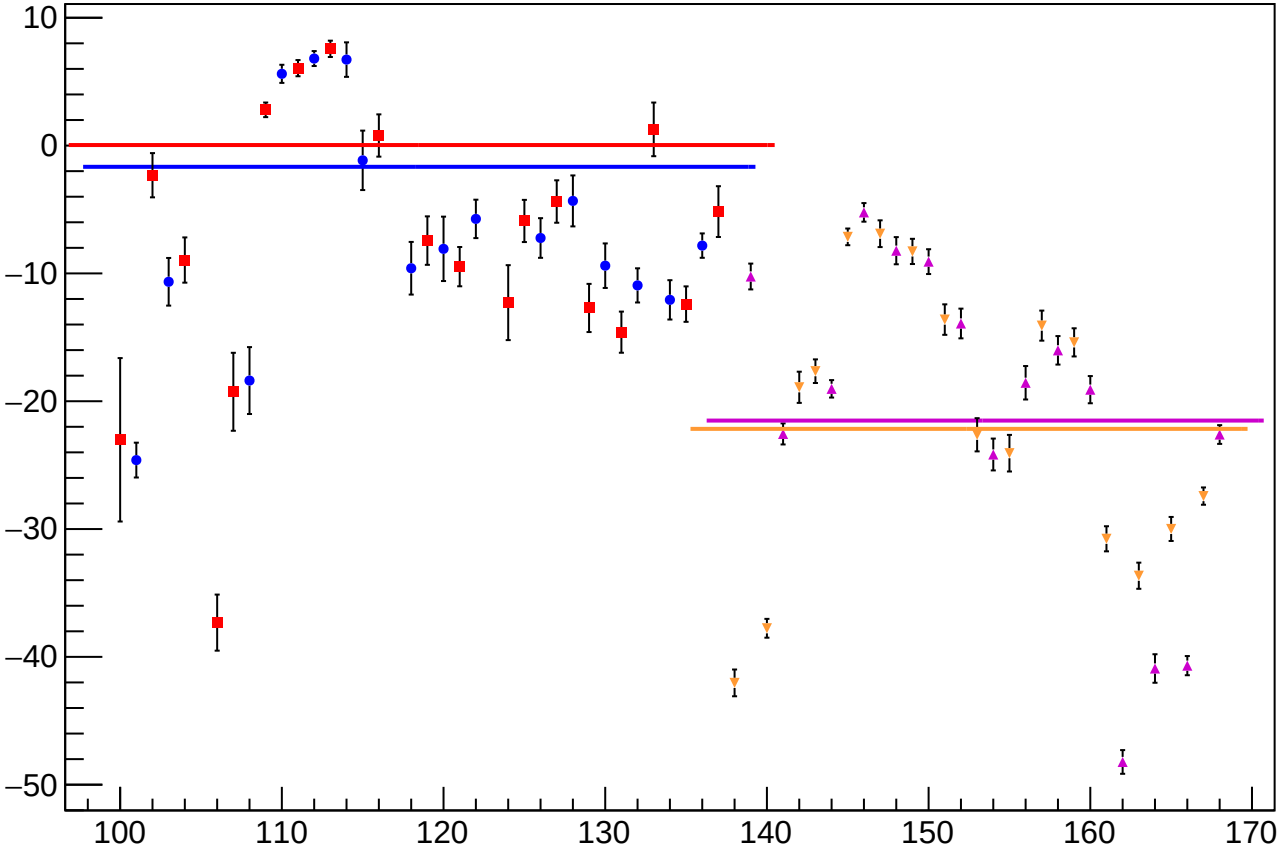
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.121+/-0.006 χ^2/NDF:2422.8/30

Out: -0.084+/-0.006 χ^2/NDF:2313.7/34

All: -0.102+/-0.005 χ^2/NDF: 4753.1/65

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: -22.163+/-0.239 χ^2/NDF:2250.8/15

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.513+/-0.238 χ^2/NDF:2830.3/14

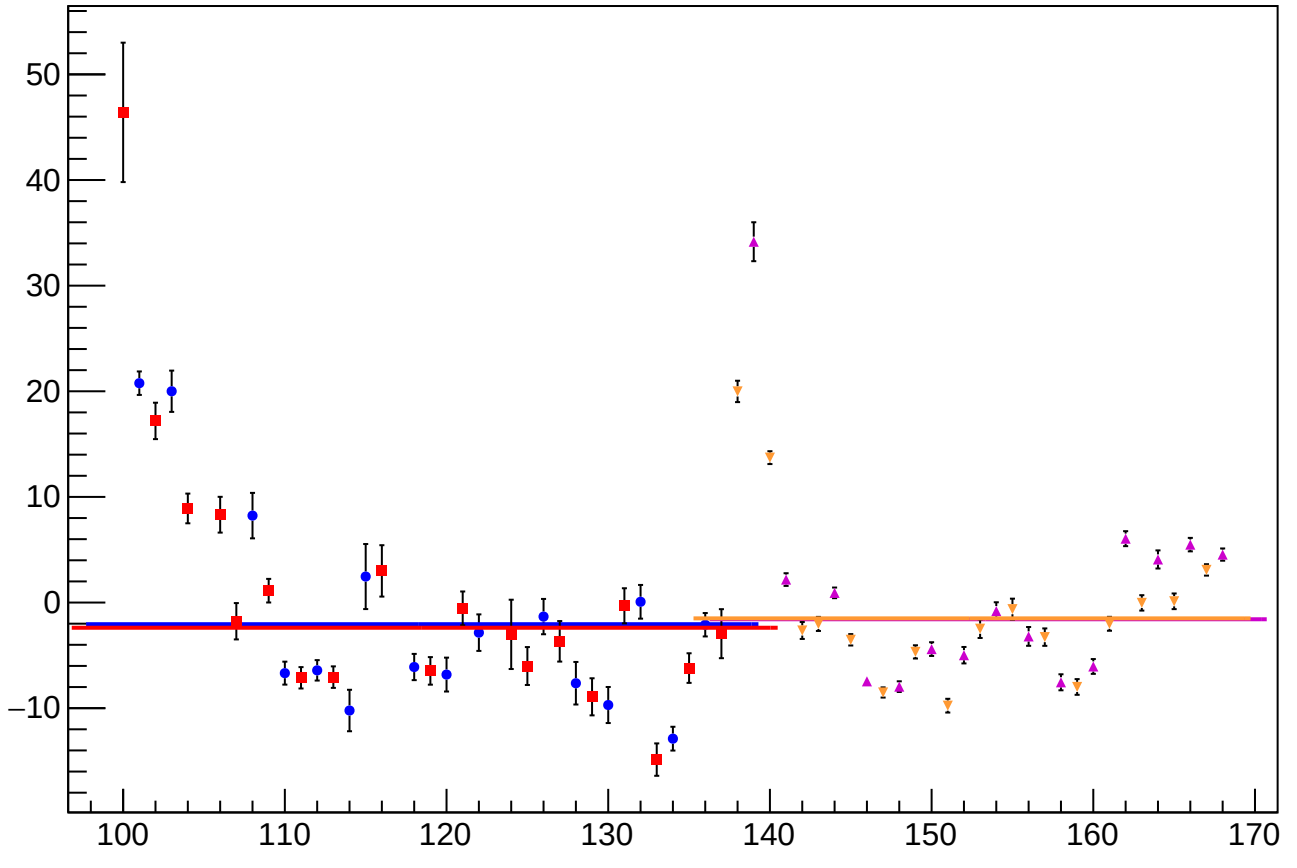
Left: -21.836+/-0.169 χ^2/NDF: 5084.8/30

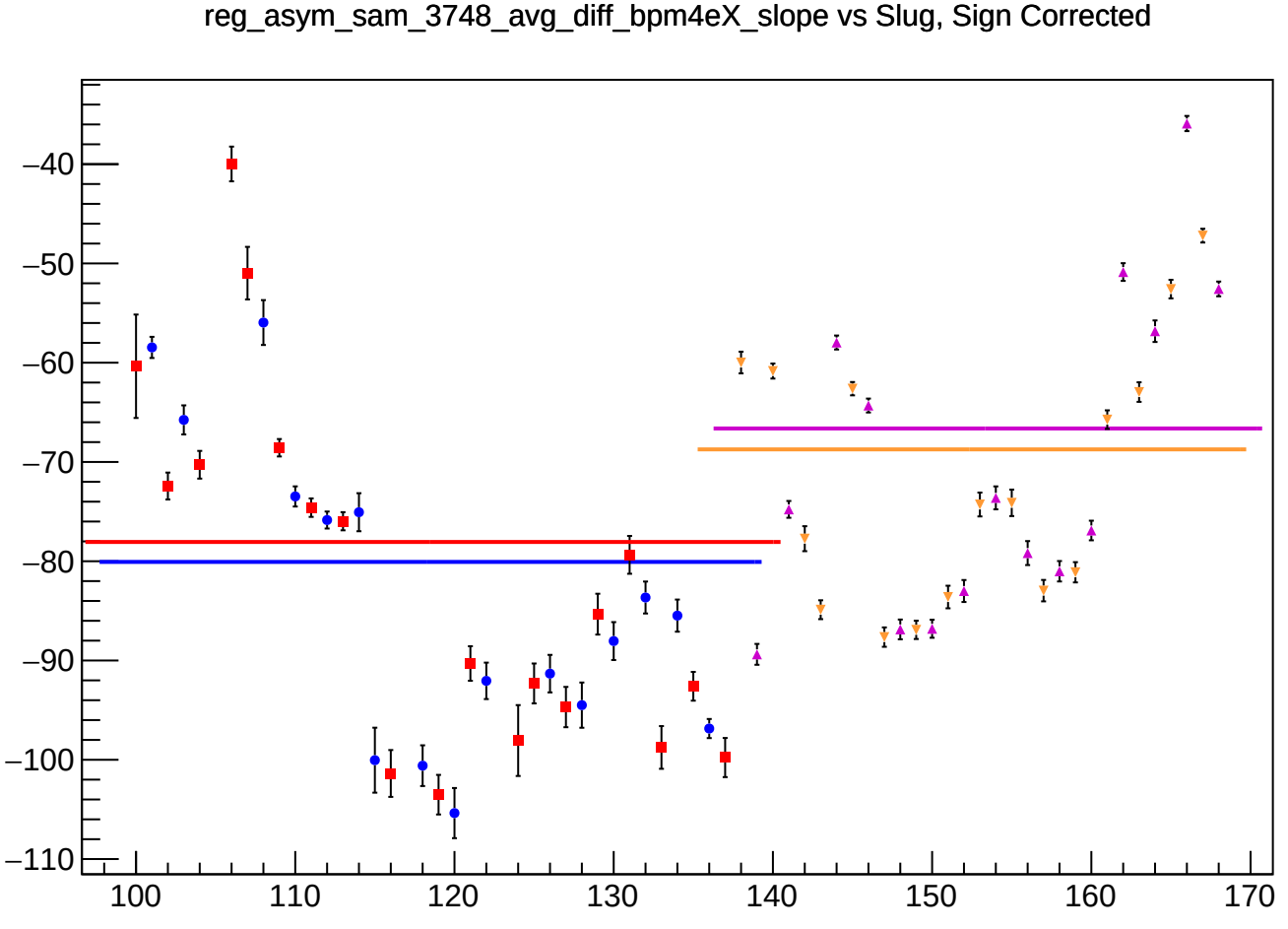
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -14.103+/-0.188 χ^2/NDF:6333.1/30

Out: -12.882+/-0.182 χ^2/NDF:6793.1/34

All: -13.473+/-0.131 χ^2/NDF: 13147.9/65


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: -2.050+/-0.356 χ²/NDF: 771.9/15
Left Out: -1.498+/-0.169 χ²/NDF:1657.0/15
Right Out: -2.386+/-0.355 χ²/NDF: 450.9/18
Left In: -1.583+/-0.168 χ²/NDF:1324.5/14
Left: -1.541+/-0.119 χ²/NDF: 2981.6/30
Right: -2.218+/-0.252 χ²/NDF: 1223.3/34
In: -1.667+/-0.152 χ²/NDF:2097.8/30
Out: -1.661+/-0.152 χ²/NDF:2113.0/34
All: -1.664+/-0.107 χ²/NDF: 4210.8/65



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -68.733+/-0.236 χ^2/NDF:3198.4/15

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -66.626+/-0.233 χ^2/NDF:4663.5/14

Left: -67.667+/-0.166 χ^2/NDF: 7902.3/30

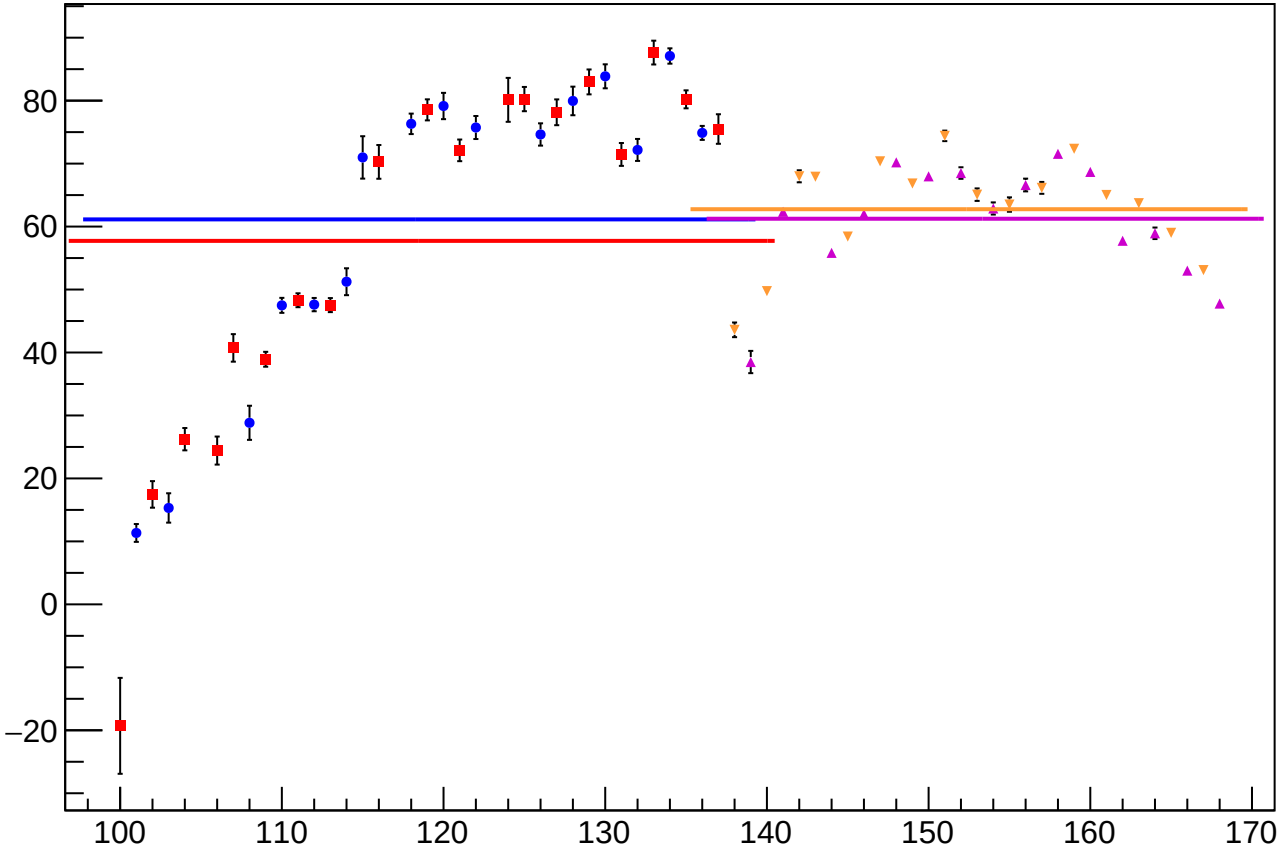
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -70.525+/-0.196 χ^2/NDF:7016.9/30

Out: -71.602+/-0.196 χ^2/NDF:5241.4/34

All: -71.064+/-0.139 χ^2/NDF: 12273.4/65

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 62.757+/-0.195 χ^2/NDF:1539.1/15

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 61.243+/-0.195 χ^2/NDF:1431.1/14

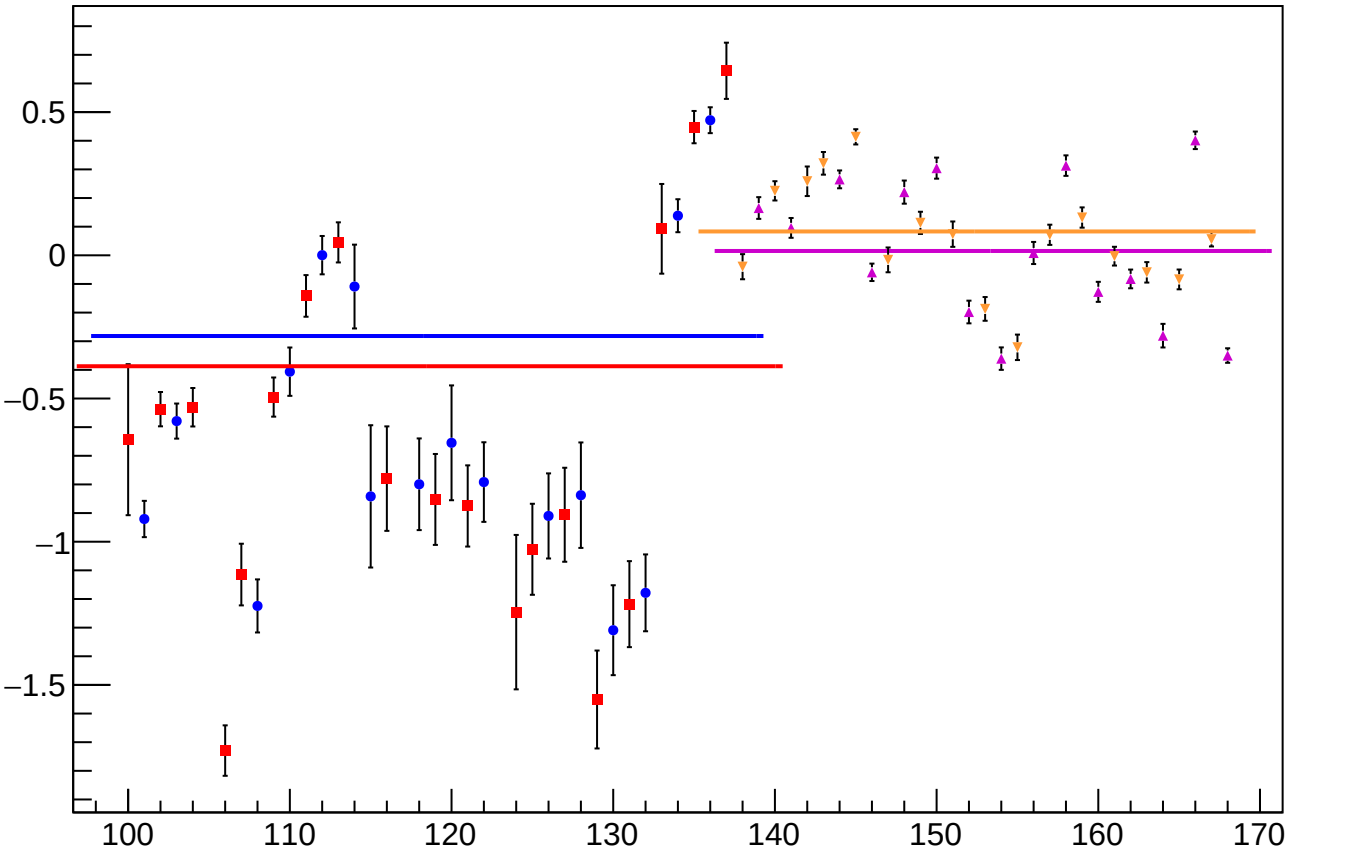
Left: 61.998+/-0.138 χ^2/NDF: 3000.3/30

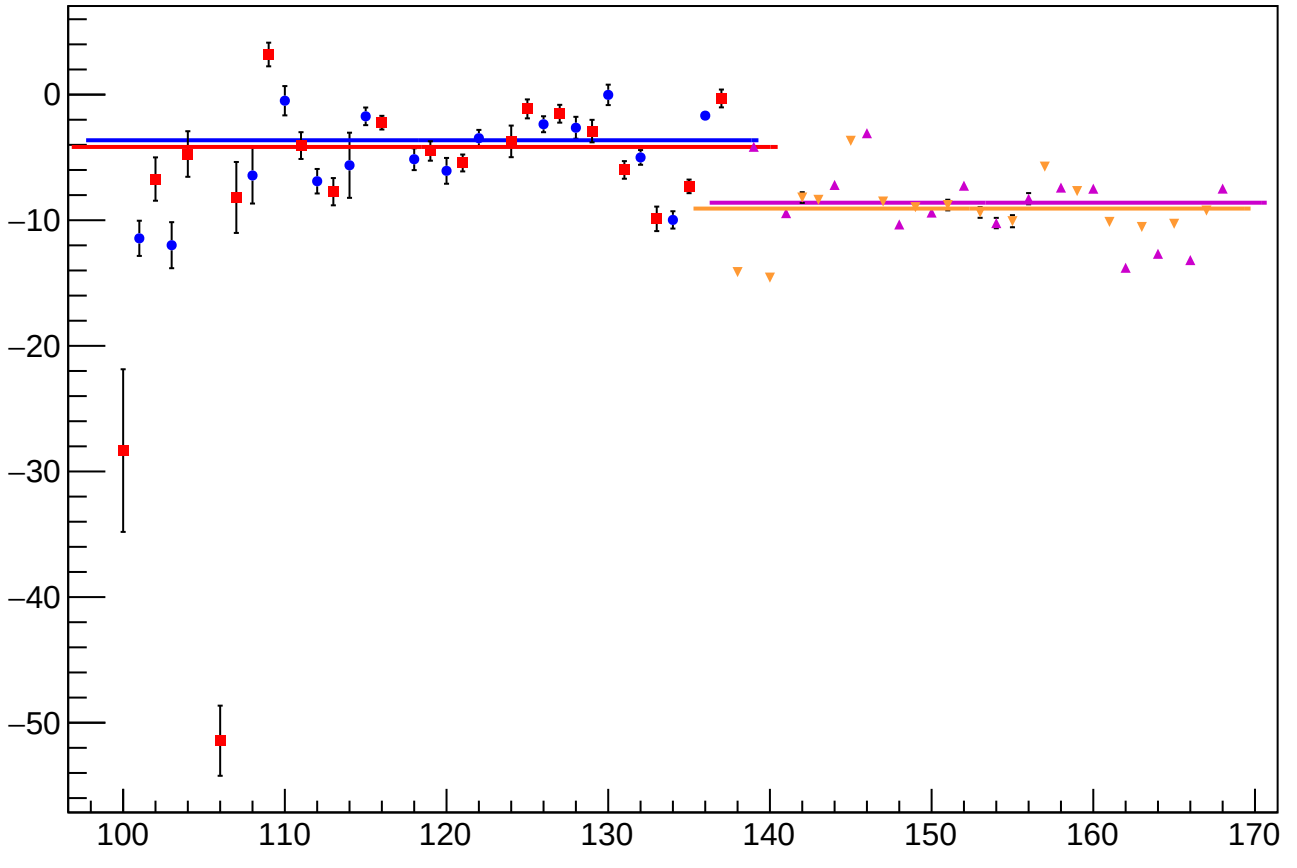
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.223+/-0.175 χ^2/NDF:4660.4/30

Out: 61.789+/-0.176 χ^2/NDF:4442.3/34

All: 61.505+/-0.124 χ^2/NDF: 9107.9/65


reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.282+/-0.022 χ²/NDF: 728.2/15
Left Out: 0.083+/-0.009 χ²/NDF:408.3/15
Right Out: -0.387+/-0.022 χ²/NDF: 818.7/18
Left In: 0.015+/-0.009 χ²/NDF:813.1/14
Left: 0.049+/-0.006 χ²/NDF: 1250.5/30
Right: -0.334+/-0.015 χ²/NDF: 1558.7/34
In: -0.028+/-0.008 χ²/NDF:1702.5/30
Out: 0.015+/-0.008 χ²/NDF:1621.9/34
All: -0.006+/-0.006 χ²/NDF: 3338.0/65



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.072+/-0.079 χ^2/NDF:1413.6/15

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.605+/-0.078 χ^2/NDF:1711.3/14

Left: -8.834+/-0.056 χ^2/NDF: 3142.5/30

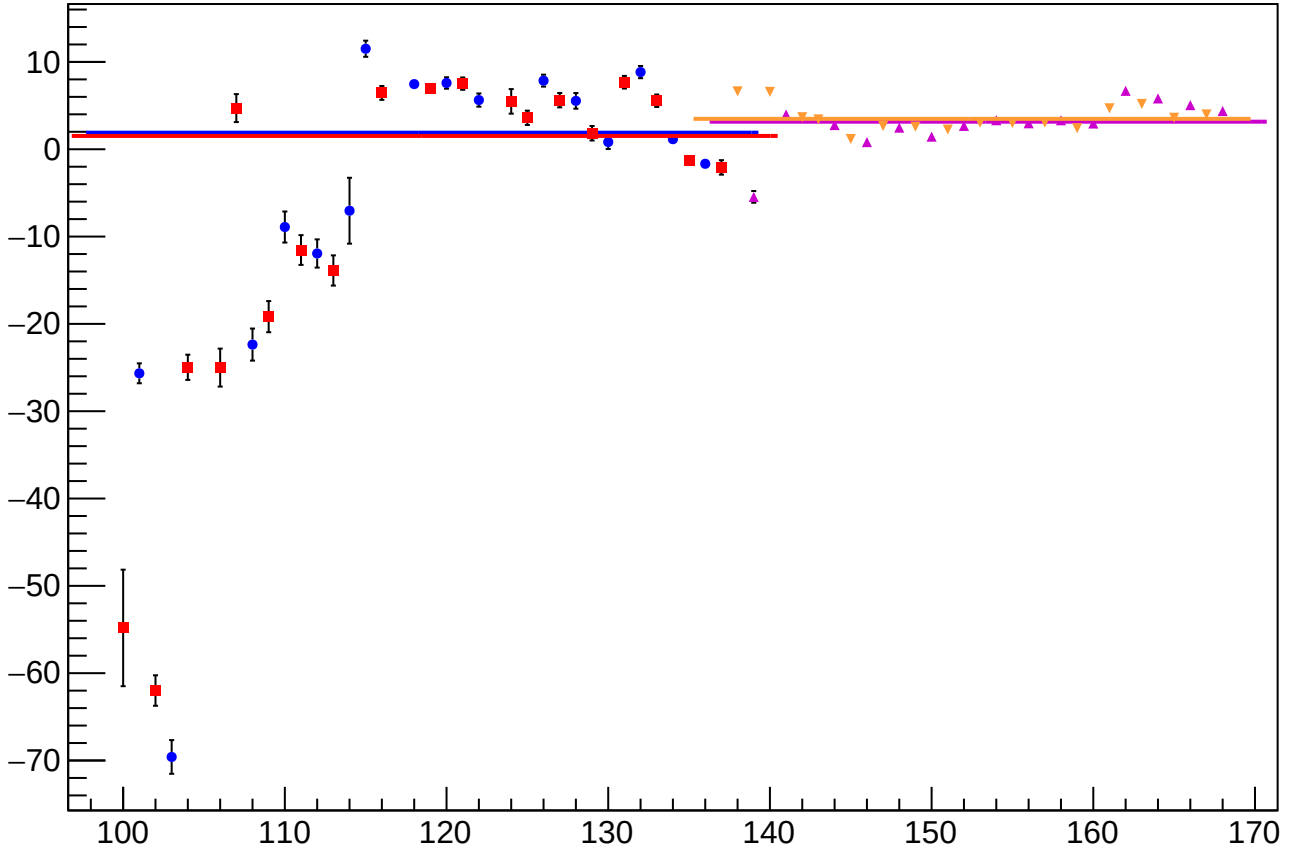
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.882+/-0.072 χ^2/NDF:2537.1/30

Out: -8.401+/-0.074 χ^2/NDF:2465.4/34

All: -8.136+/-0.052 χ^2/NDF: 5027.8/65

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.482+/-0.056 χ^2/NDF:647.1/15

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.156+/-0.055 χ^2/NDF:1043.7/14

Left: 3.316+/-0.039 χ^2/NDF: 1707.9/30

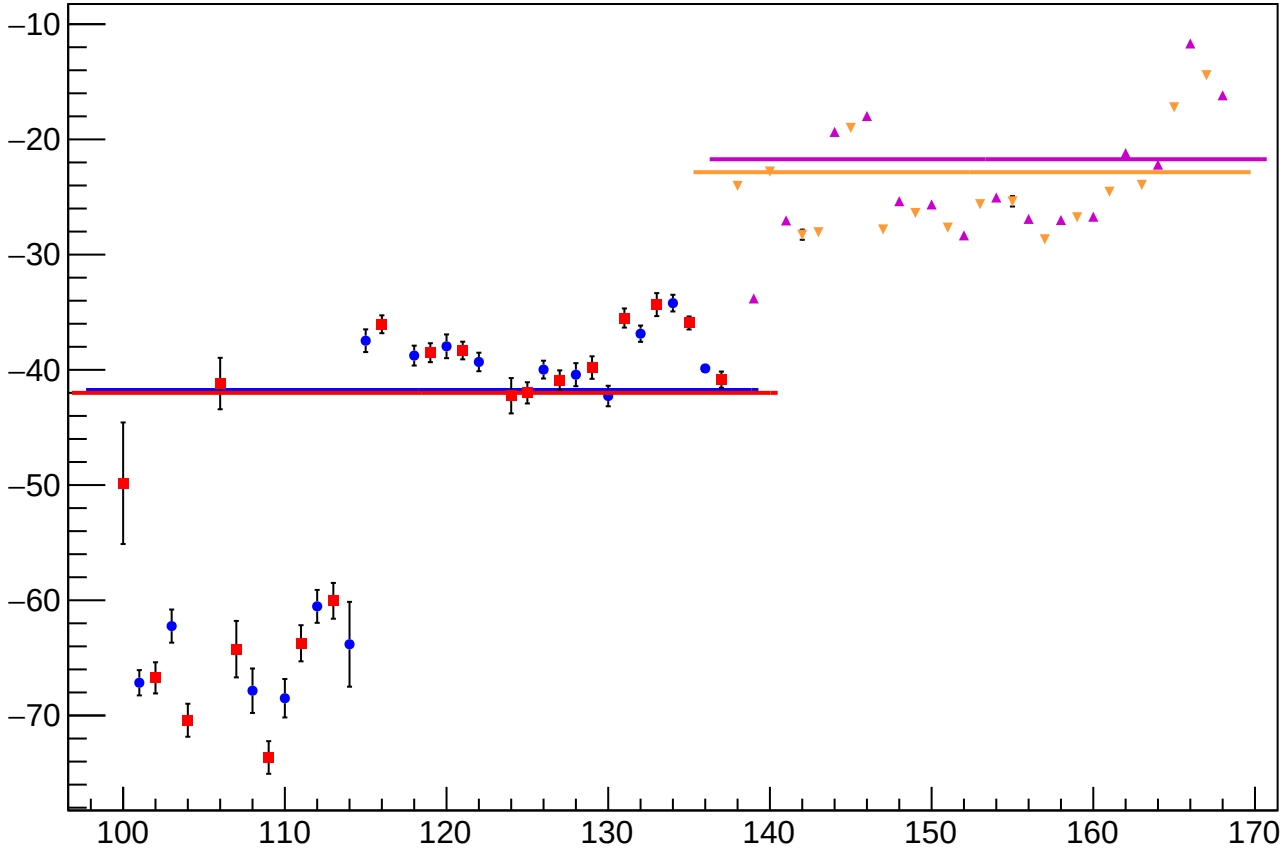
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.058+/-0.053 χ^2/NDF:3922.7/30

Out: 3.349+/-0.054 χ^2/NDF:3289.2/34

All: 3.199+/-0.038 χ^2/NDF: 7226.6/65

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -22.846+/-0.078 χ^2/NDF:3626.3/15

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -21.722+/-0.076 χ^2/NDF:5338.1/14

Left: -22.270+/-0.055 χ^2/NDF: 9069.9/30

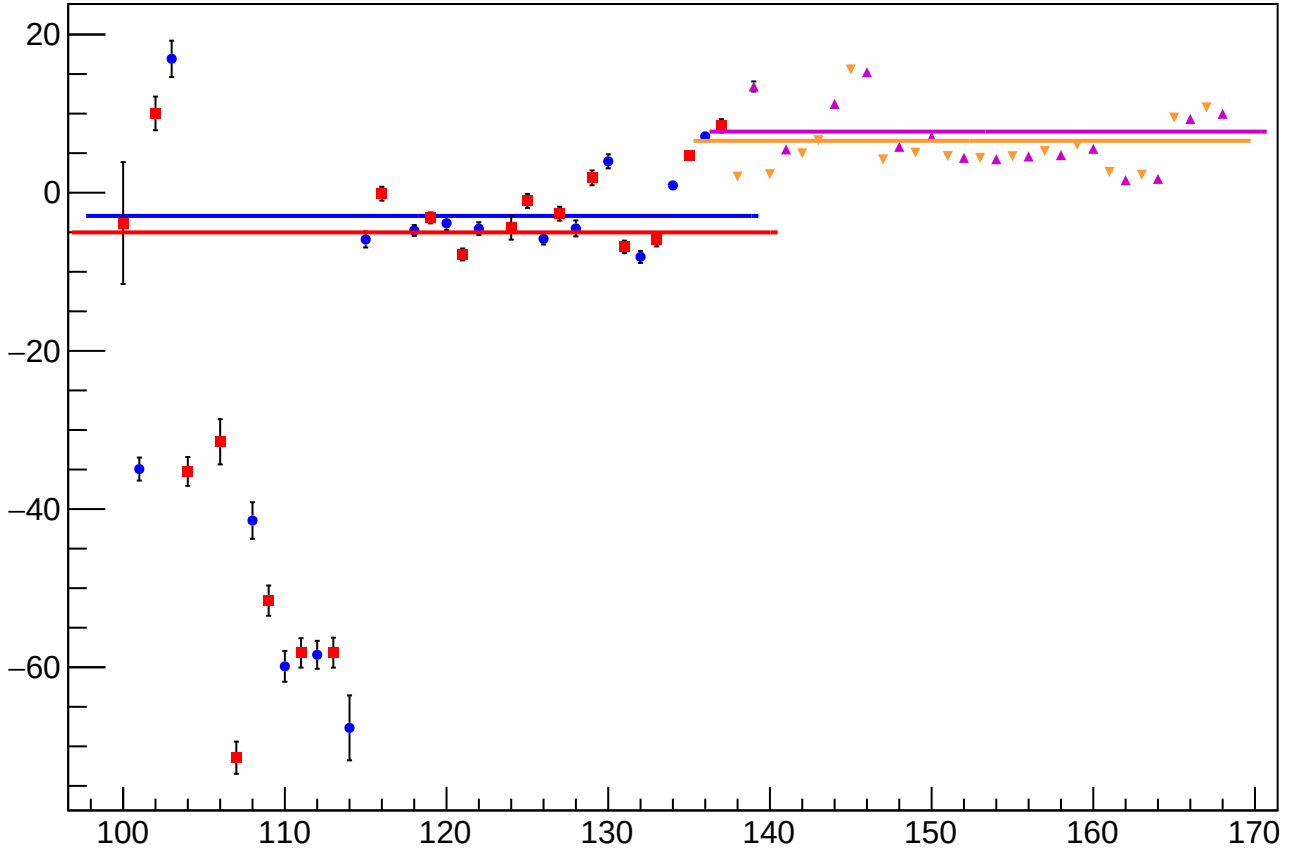
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -24.112+/-0.072 χ^2/NDF:15167.3/30

Out: -24.866+/-0.074 χ^2/NDF:11909.1/34

All: -24.477+/-0.052 χ^2/NDF: 27129.9/65

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.561+/-0.065 χ^2/NDF:3977.1/15

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.720+/-0.064 χ^2/NDF:4293.5/14

Left: 7.149+/-0.046 χ^2/NDF: 8432.6/30

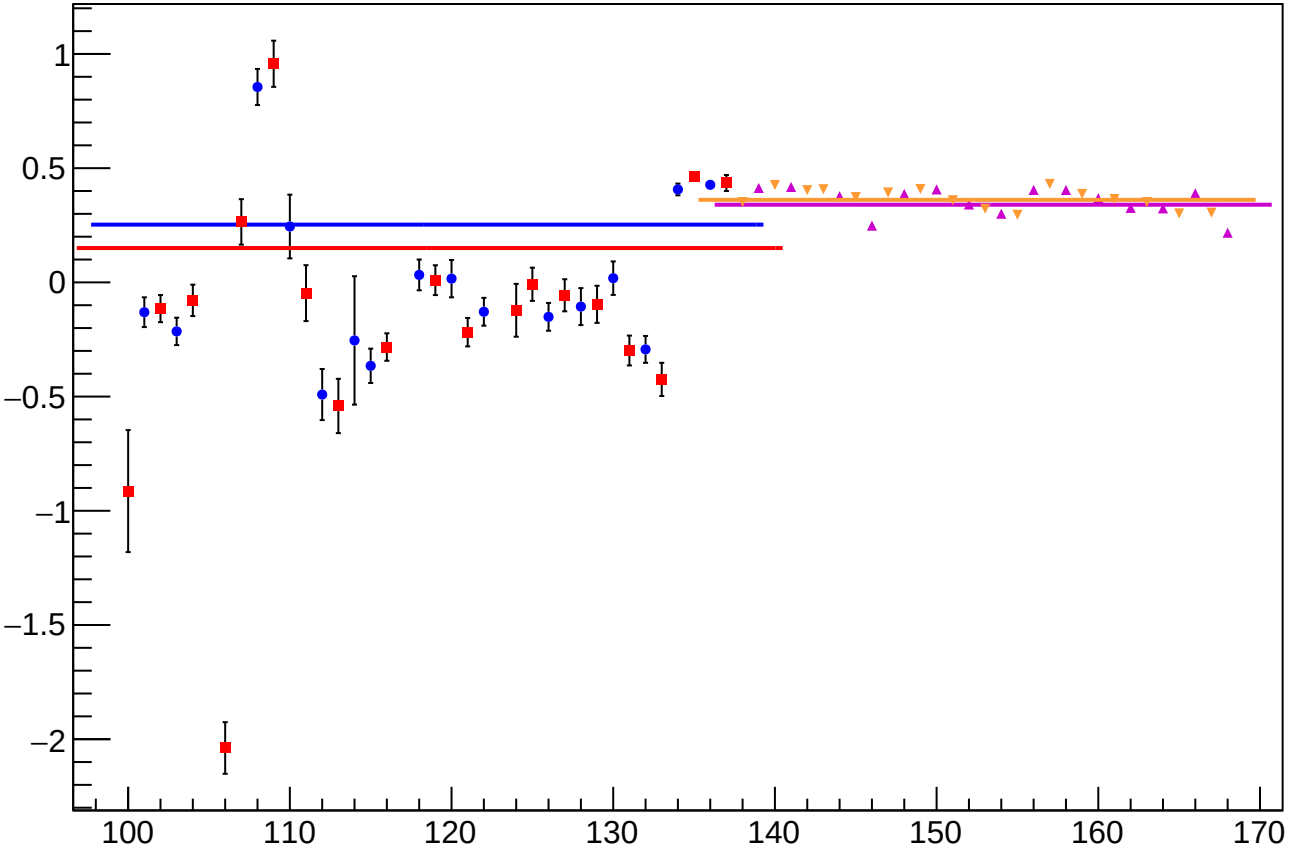
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.814+/-0.061 χ^2/NDF:10382.8/30

Out: 5.719+/-0.062 χ^2/NDF:10668.1/34

All: 6.279+/-0.044 χ^2/NDF: 21207.8/65

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: 0.361+/-0.003 χ^2/NDF:214.5/15

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.340+/-0.003 χ^2/NDF:561.8/14

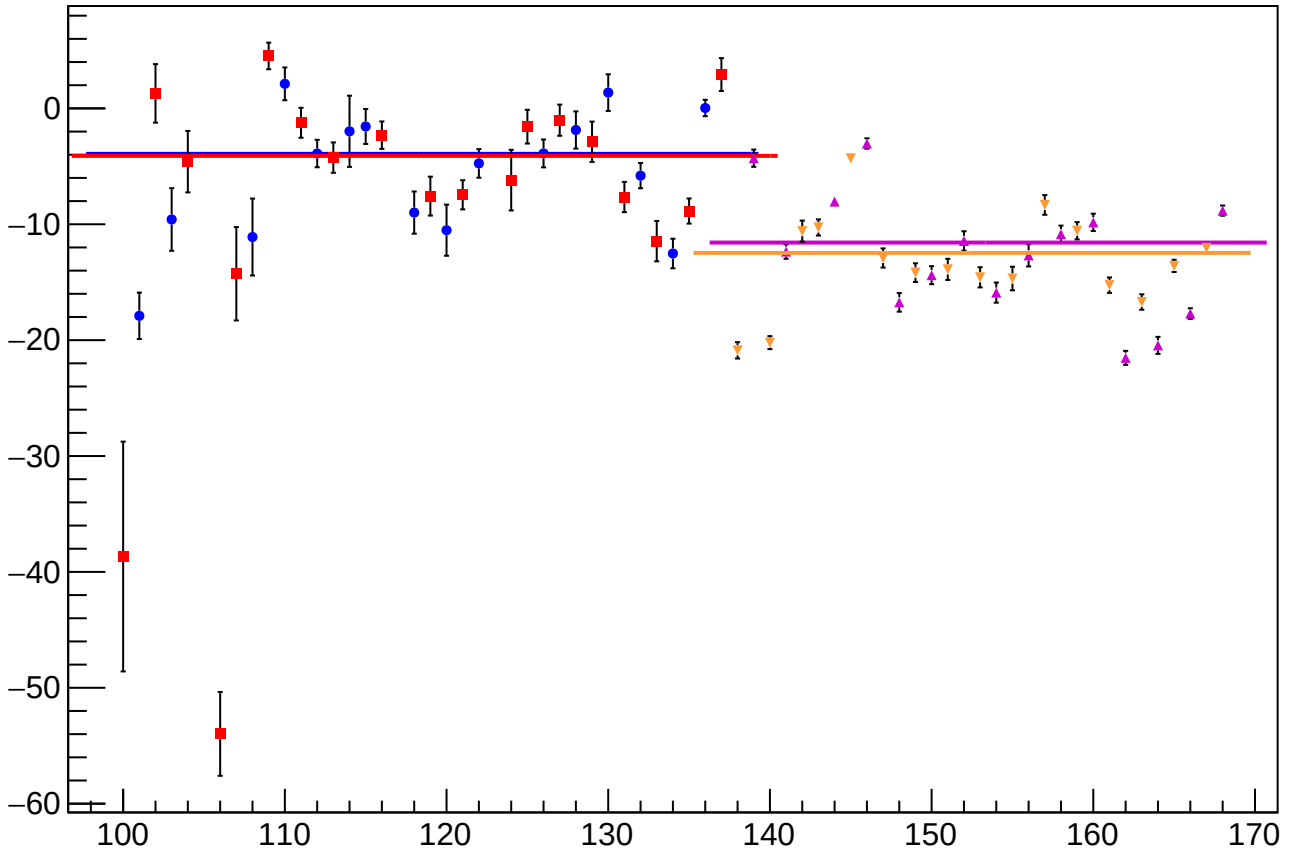
Left: 0.350+/-0.002 χ^2/NDF: 802.5/30

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.335+/-0.003 χ^2/NDF:1247.0/30

Out: 0.351+/-0.003 χ^2/NDF:1470.4/34

All: 0.343+/-0.002 χ^2/NDF: 2734.3/65



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.472+/-0.161 χ^2/NDF:887.6/15

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.579+/-0.158 χ^2/NDF:1248.3/14

Left: -12.018+/-0.113 χ^2/NDF: 2151.5/30

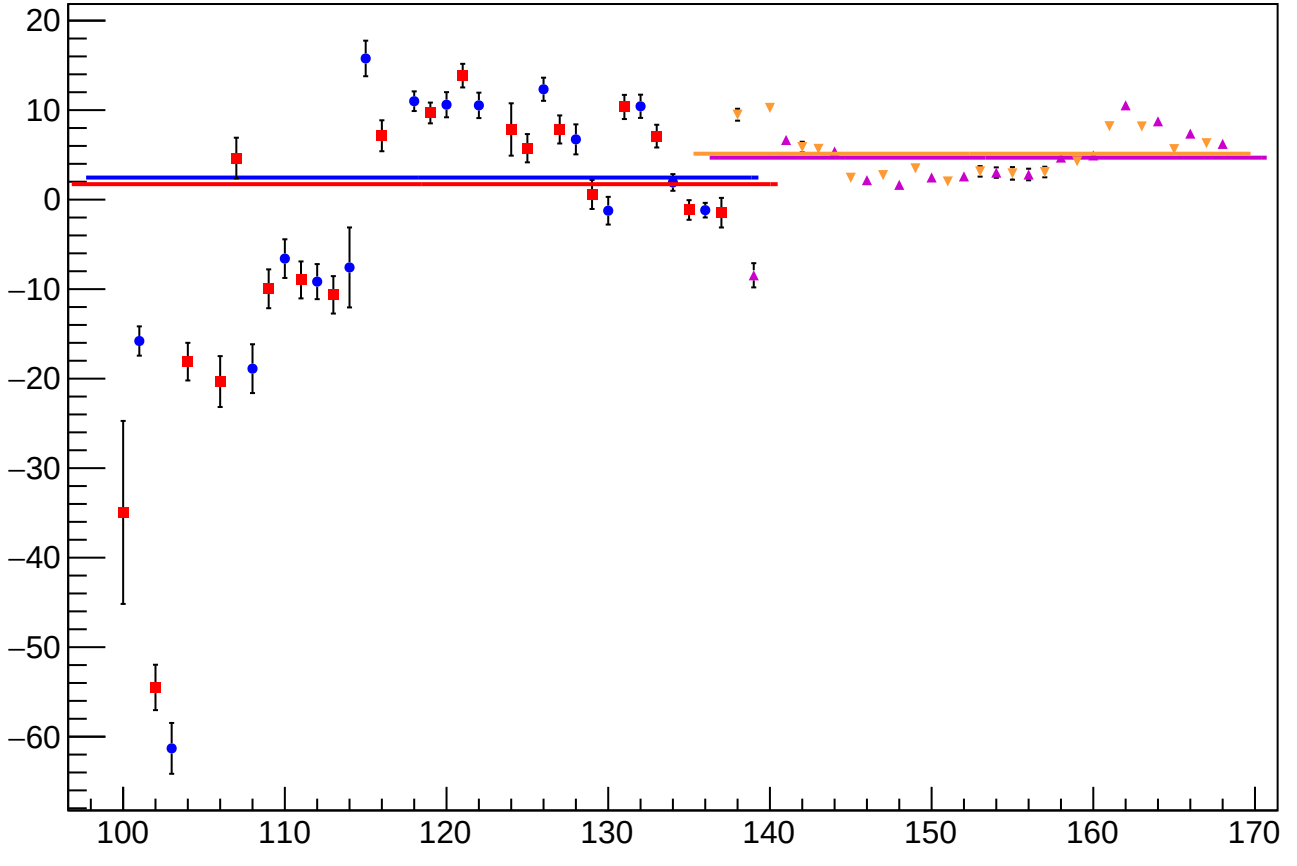
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -10.254+/-0.144 χ^2/NDF:1841.8/30

Out: -11.055+/-0.147 χ^2/NDF:1712.3/34

All: -10.647+/-0.103 χ^2/NDF: 3569.3/65

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: 5.132+/-0.116 χ^2/NDF:466.9/15

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.689+/-0.112 χ^2/NDF:601.5/14

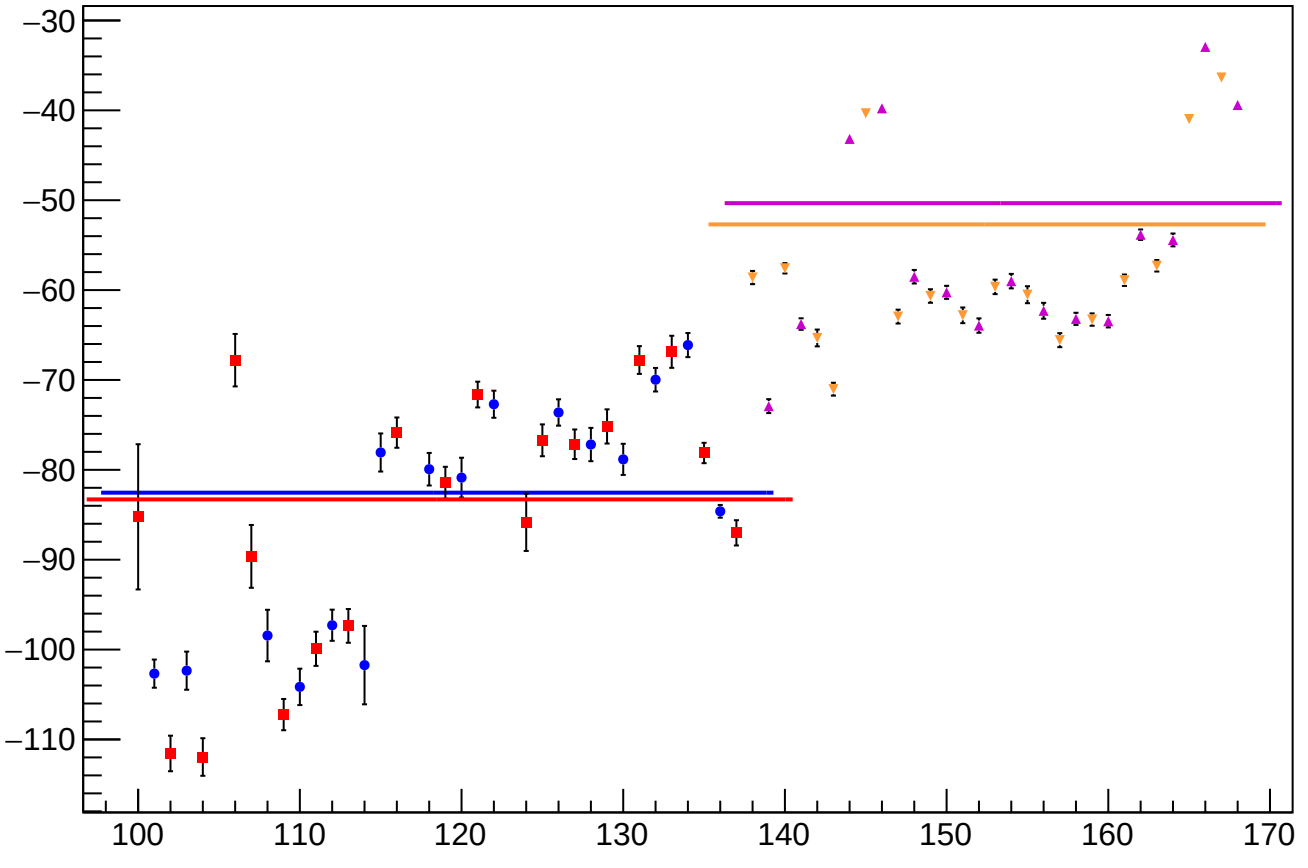
Left: 4.903+/-0.080 χ^2/NDF: 1076.0/30

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.489+/-0.107 χ^2/NDF:1683.6/30

Out: 4.852+/-0.111 χ^2/NDF:1521.4/34

All: 4.664+/-0.077 χ^2/NDF: 3210.6/65



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -52.691+/-0.160 χ^2/NDF:5120.7/15

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -50.327+/-0.156 χ^2/NDF:5806.1/14

Left: -51.479+/-0.111 χ^2/NDF: 11039.4/30

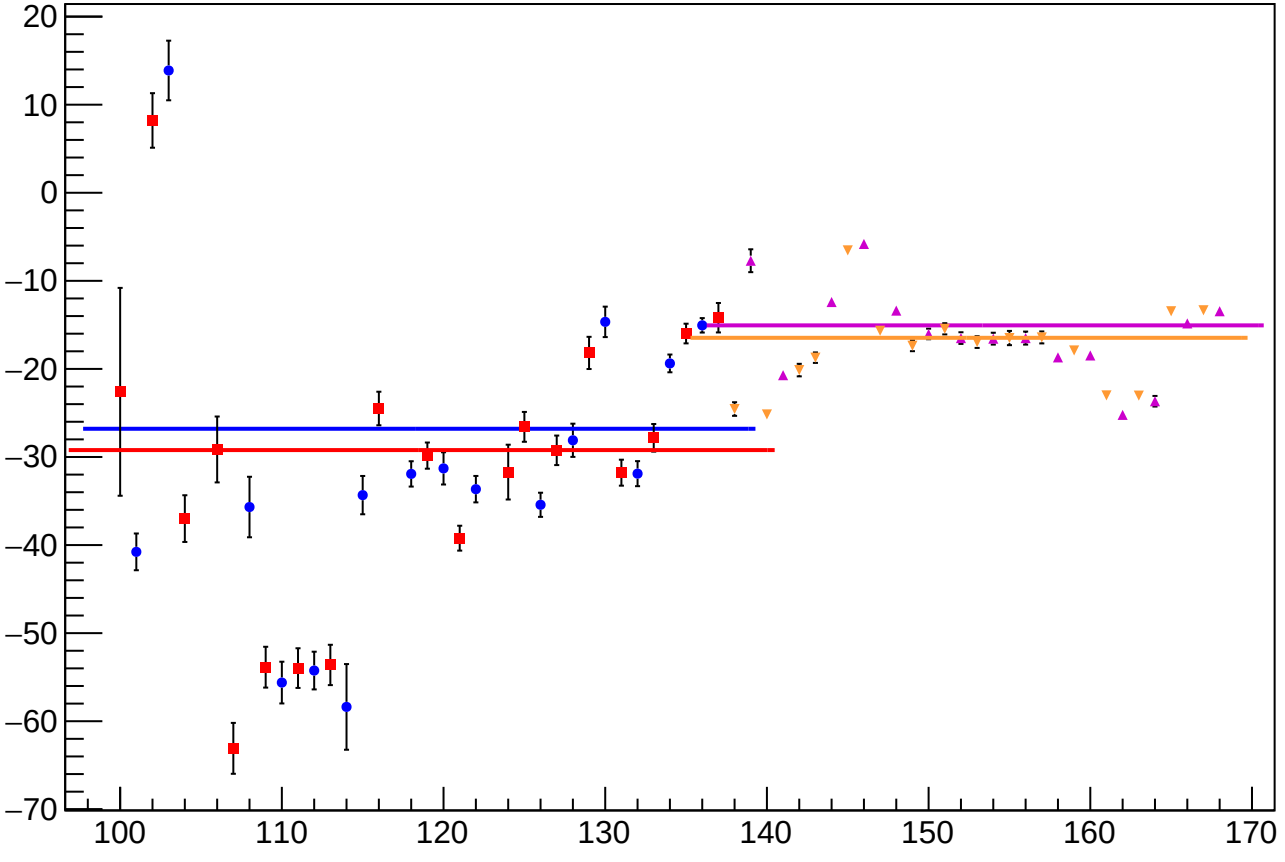
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -54.860+/-0.144 χ^2/NDF:12682.8/30

Out: -56.643+/-0.149 χ^2/NDF:10964.6/34

All: -55.723+/-0.104 χ^2/NDF: 23721.4/65

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: -16.468+/-0.132 χ^2/NDF:1628.1/15

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.056+/-0.130 χ^2/NDF:1750.9/14

Left: -15.749+/-0.093 χ^2/NDF: 3436.8/30

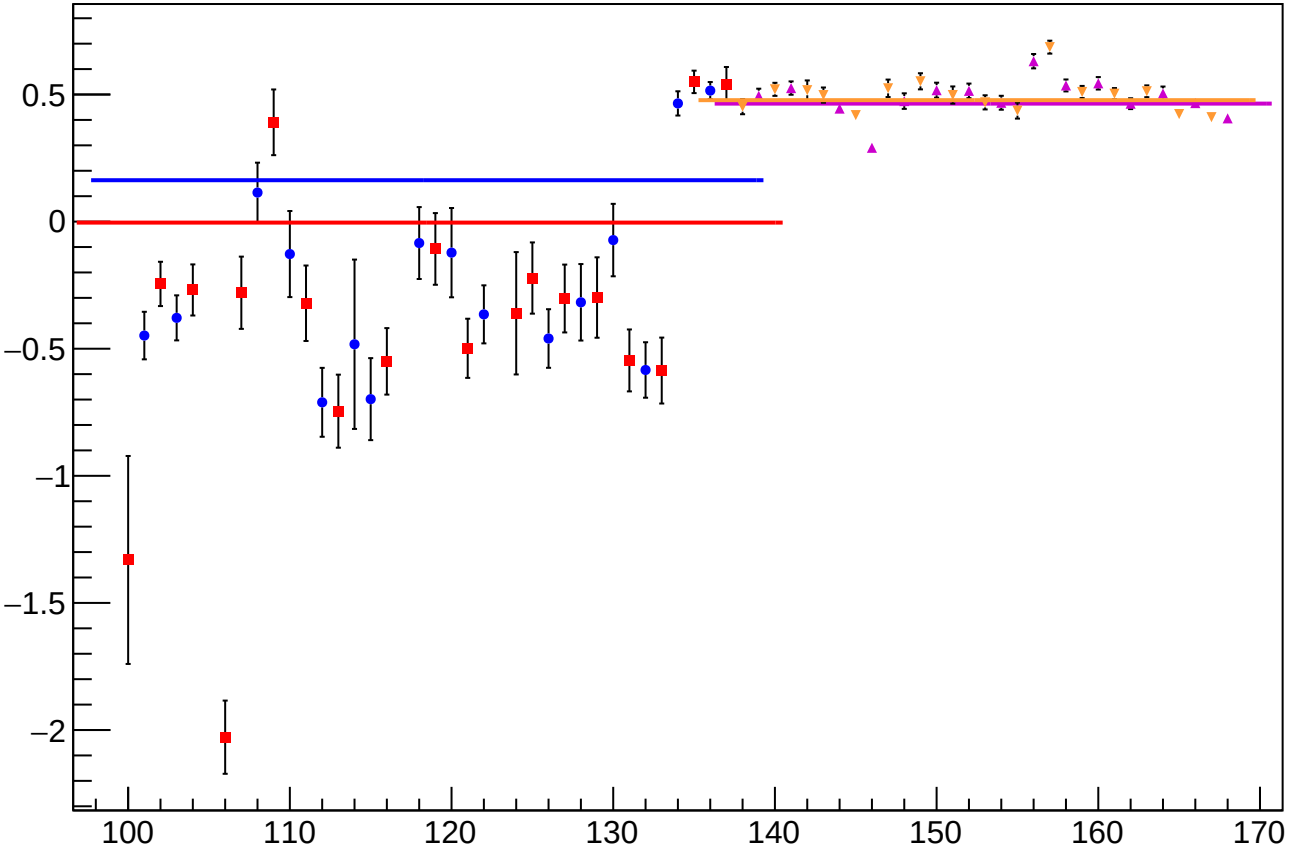
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.201+/-0.124 χ^2/NDF:3509.2/30

Out: -17.568+/-0.127 χ^2/NDF:3387.7/34

All: -16.867+/-0.088 χ^2/NDF: 6956.7/65

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.478+/-0.006 χ^2/NDF:127.1/15

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.464+/-0.006 χ^2/NDF:171.4/14

Left: 0.471+/-0.004 χ^2/NDF: 301.1/30

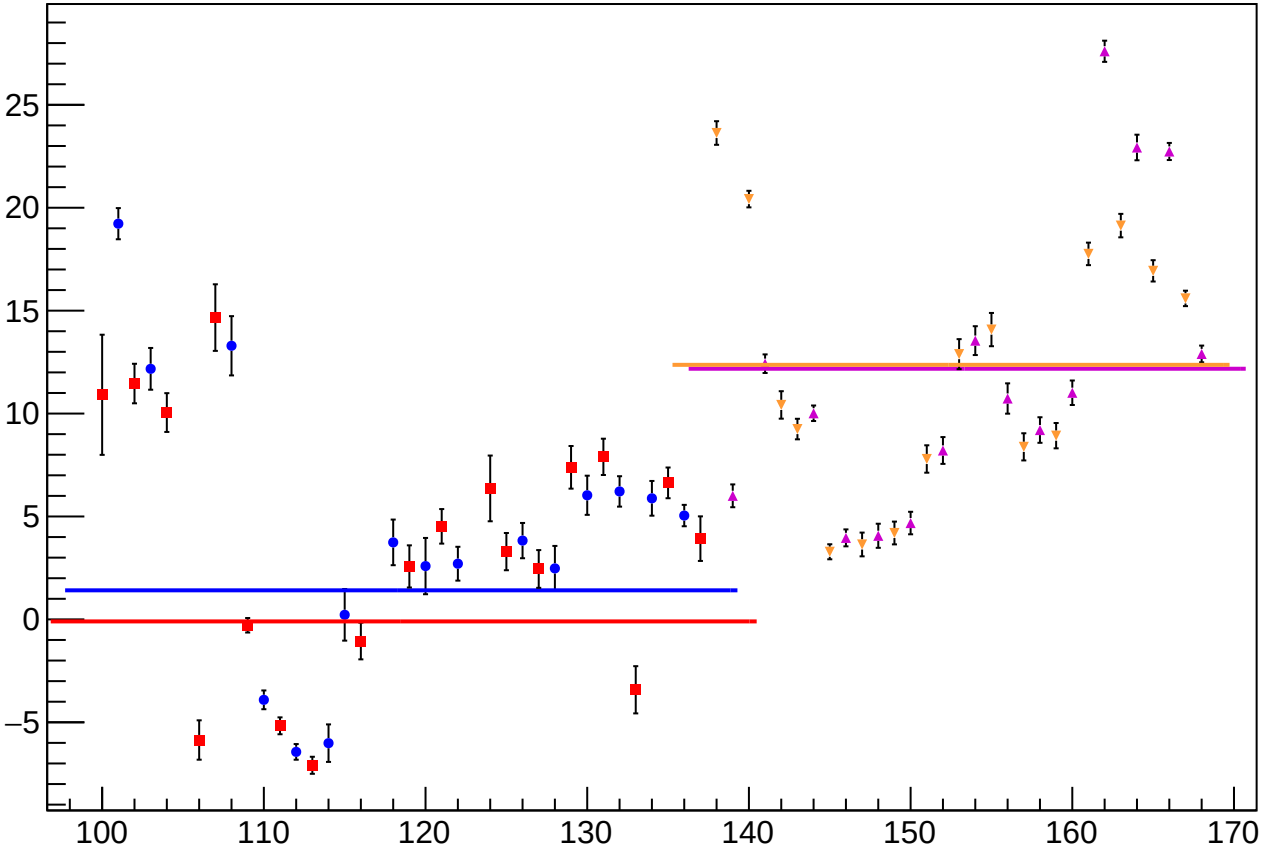
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.443+/-0.006 χ^2/NDF:778.1/30

Out: 0.450+/-0.006 χ^2/NDF:1067.3/34

All: 0.446+/-0.004 χ^2/NDF: 1846.2/65

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: 12.368+/-0.132 χ^2/NDF:2406.5/15

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 12.178+/-0.132 χ^2/NDF:2853.9/14

Left: 12.272+/-0.094 χ^2/NDF: 5261.5/30

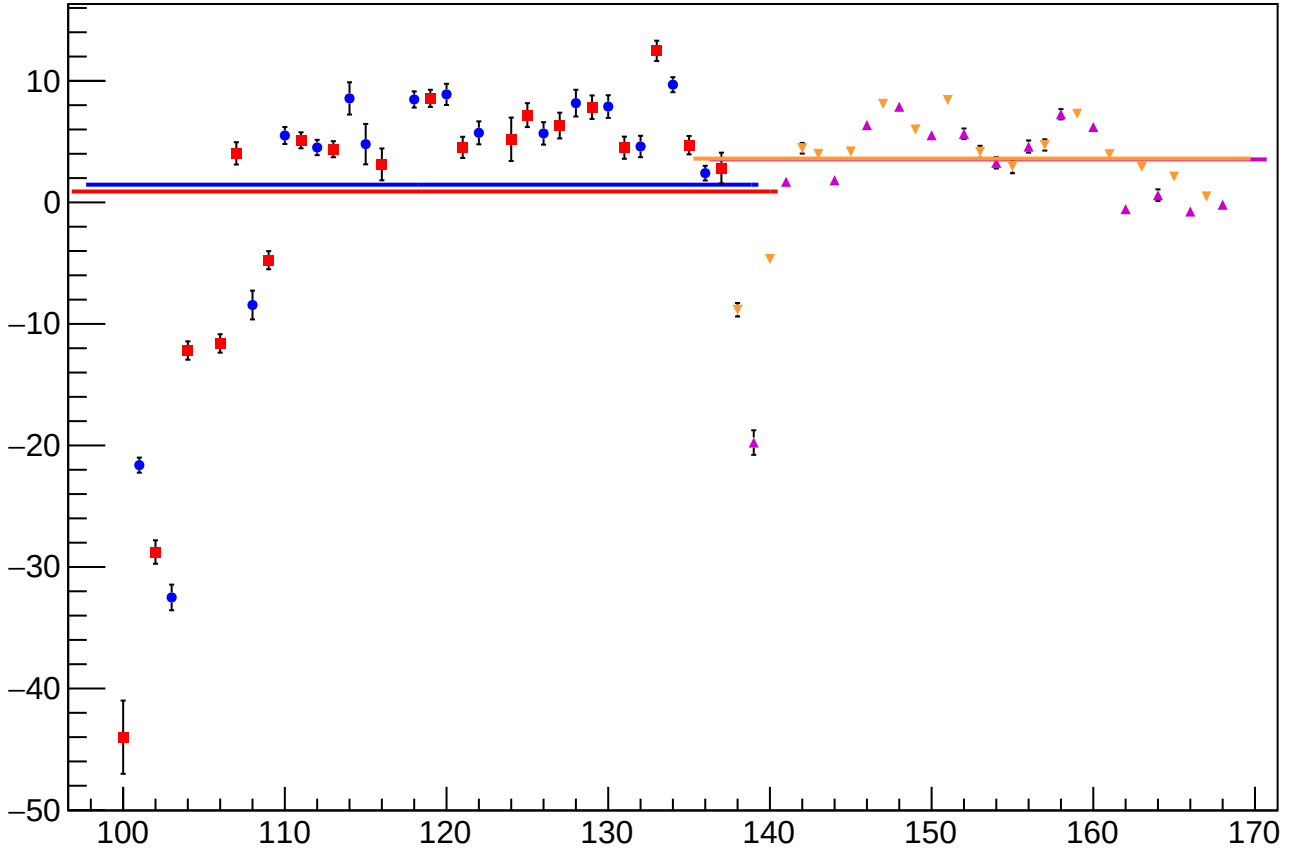
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 8.489+/-0.107 χ^2/NDF:6648.9/30

Out: 7.571+/-0.104 χ^2/NDF:6965.6/34

All: 8.016+/-0.075 χ^2/NDF: 13652.3/65

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: 3.604+/-0.093 χ^2/NDF:1853.4/15

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.538+/-0.093 χ^2/NDF:1592.2/14

Left: 3.571+/-0.066 χ^2/NDF: 3445.8/30

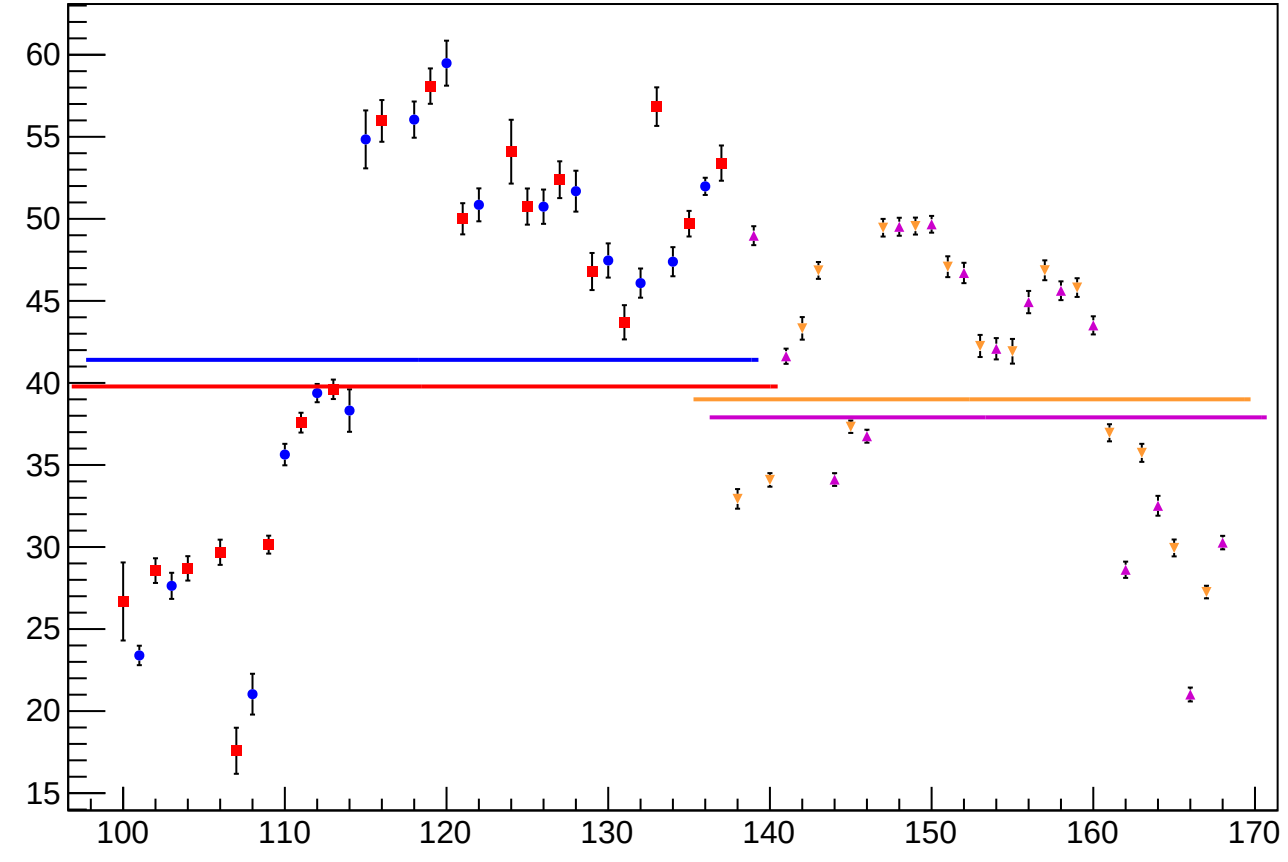
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.178+/-0.085 χ^2/NDF:4758.8/30

Out: 3.127+/-0.085 χ^2/NDF:4378.5/34

All: 3.153+/-0.060 χ^2/NDF: 9137.5/65

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: 39.001+/-0.131 χ^2/NDF:3136.4/15

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 37.902+/-0.130 χ^2/NDF:4516.9/14

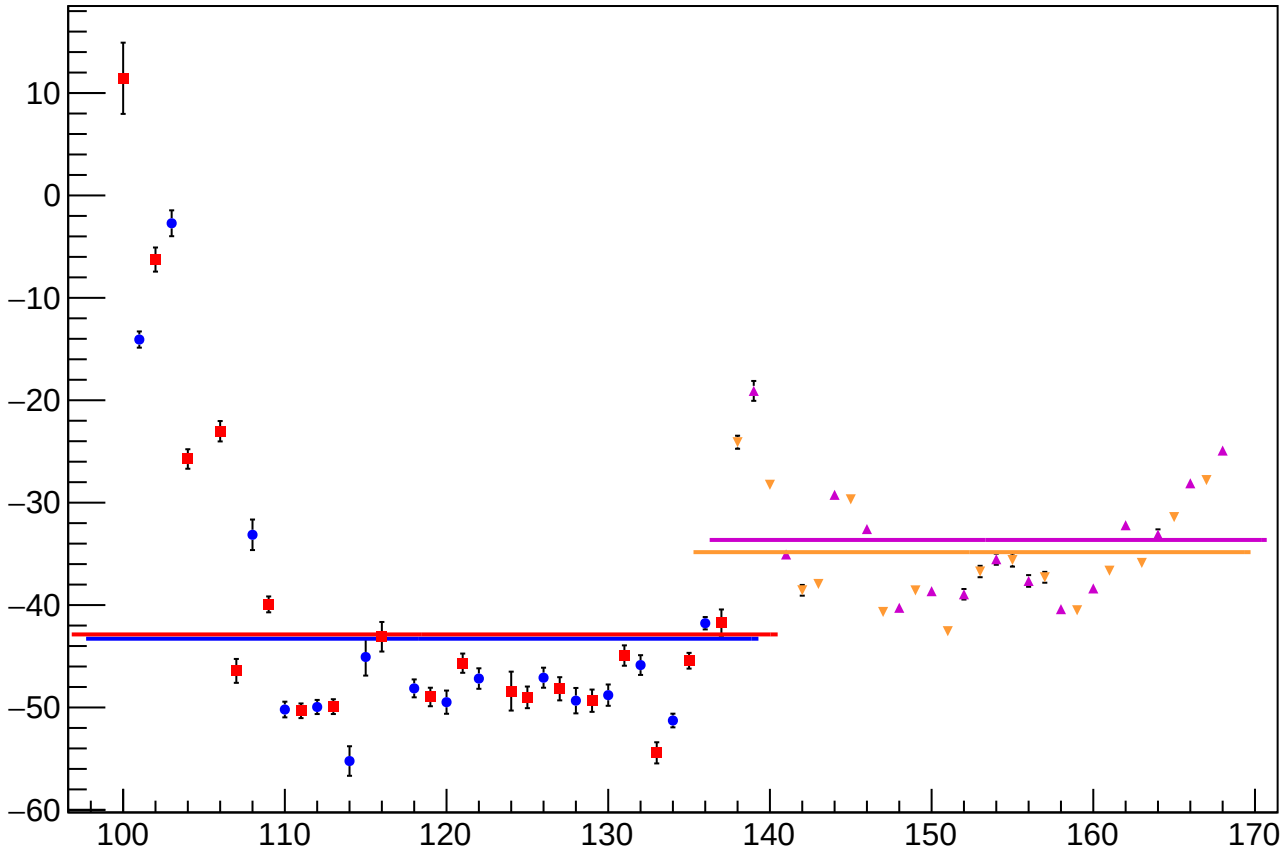
Left: 38.447+/-0.092 χ^2/NDF: 7689.0/30

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 38.864+/-0.110 χ^2/NDF:7463.8/30

Out: 39.230+/-0.110 χ^2/NDF:5800.8/34

All: 39.048+/-0.078 χ^2/NDF: 13270.2/65



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -34.832+/-0.108 χ^2/NDF:2248.1/15

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.640+/-0.108 χ^2/NDF:2169.6/14

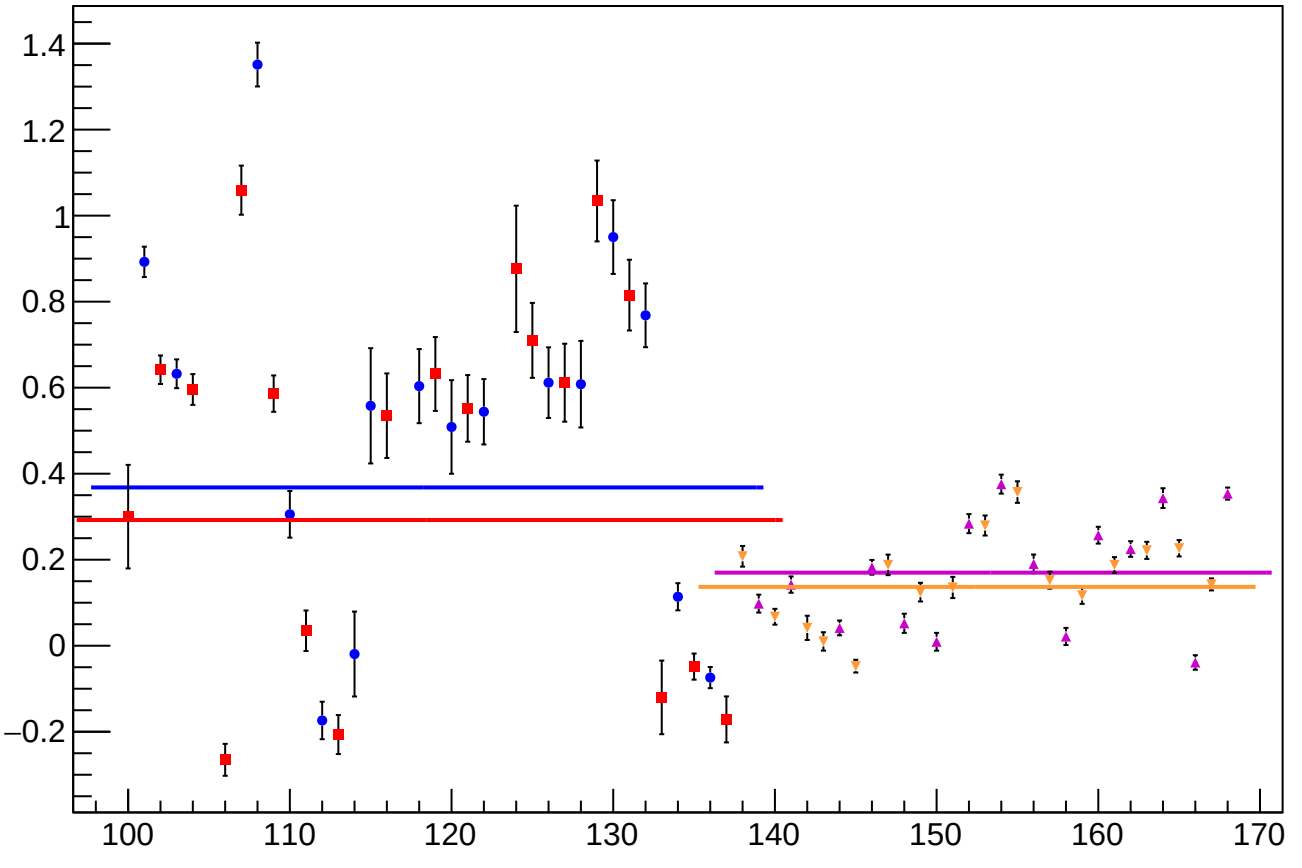
Left: -34.237+/-0.077 χ^2/NDF: 4478.3/30

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -35.401+/-0.098 χ^2/NDF:6600.7/30

Out: -36.302+/-0.098 χ^2/NDF:5708.1/34

All: -35.852+/-0.069 χ^2/NDF: 12351.0/65



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.137+/-0.005 χ^2/NDF:392.3/15

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.170+/-0.005 χ^2/NDF:737.2/14

Left: 0.154+/-0.004 χ^2/NDF: 1151.7/30

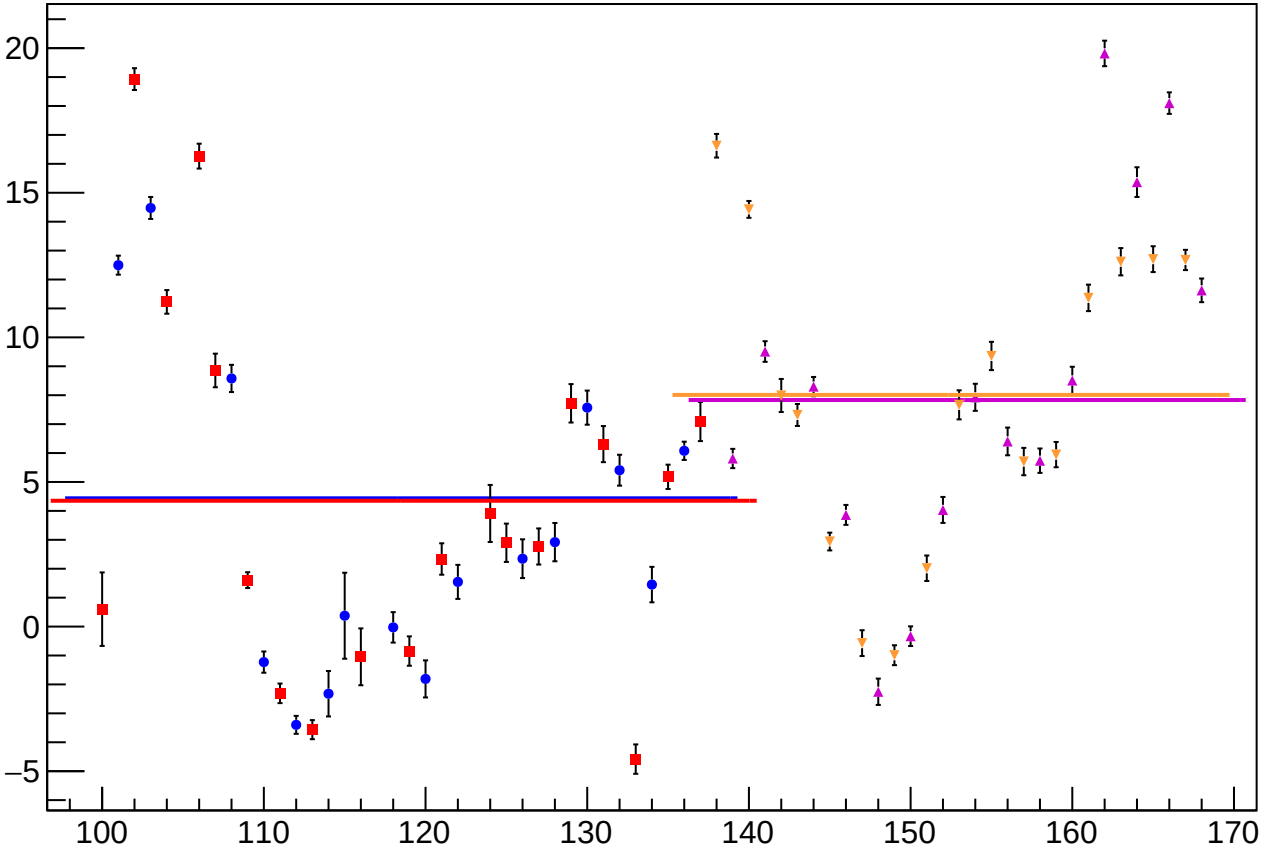
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.198+/-0.005 χ^2/NDF:2284.6/30

Out: 0.159+/-0.005 χ^2/NDF:1732.5/34

All: 0.179+/-0.003 χ^2/NDF: 4051.9/65

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: 8.010+/-0.101 χ^2/NDF:2933.9/15

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.833+/-0.103 χ^2/NDF:3168.9/14

Left: 7.923+/-0.072 χ^2/NDF: 6104.3/30

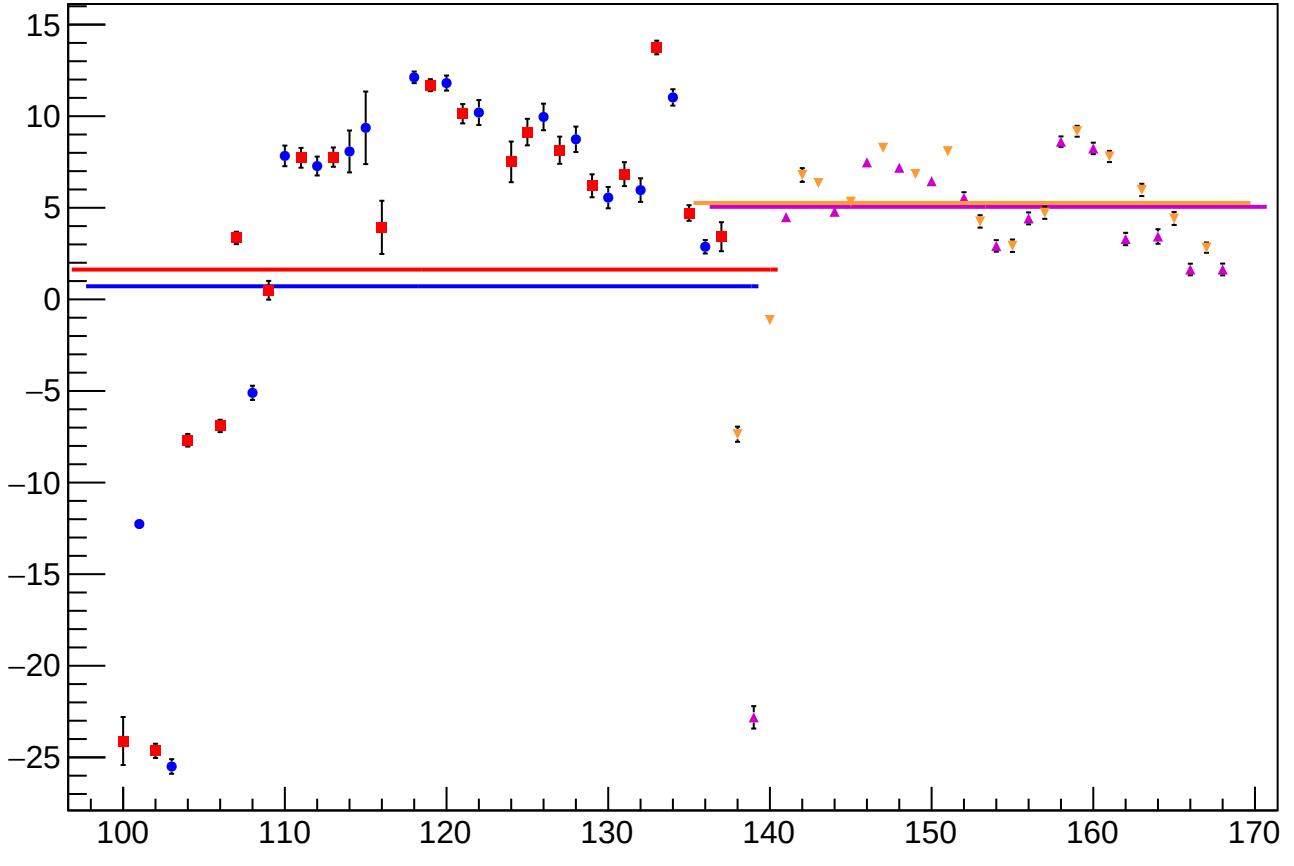
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.345+/-0.077 χ^2/NDF:6265.5/30

Out: 6.314+/-0.074 χ^2/NDF:7742.7/34

All: 6.329+/-0.054 χ^2/NDF: 14008.2/65

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: 5.265+/-0.071 χ^2/NDF:2424.0/15

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.052+/-0.074 χ^2/NDF:2926.9/14

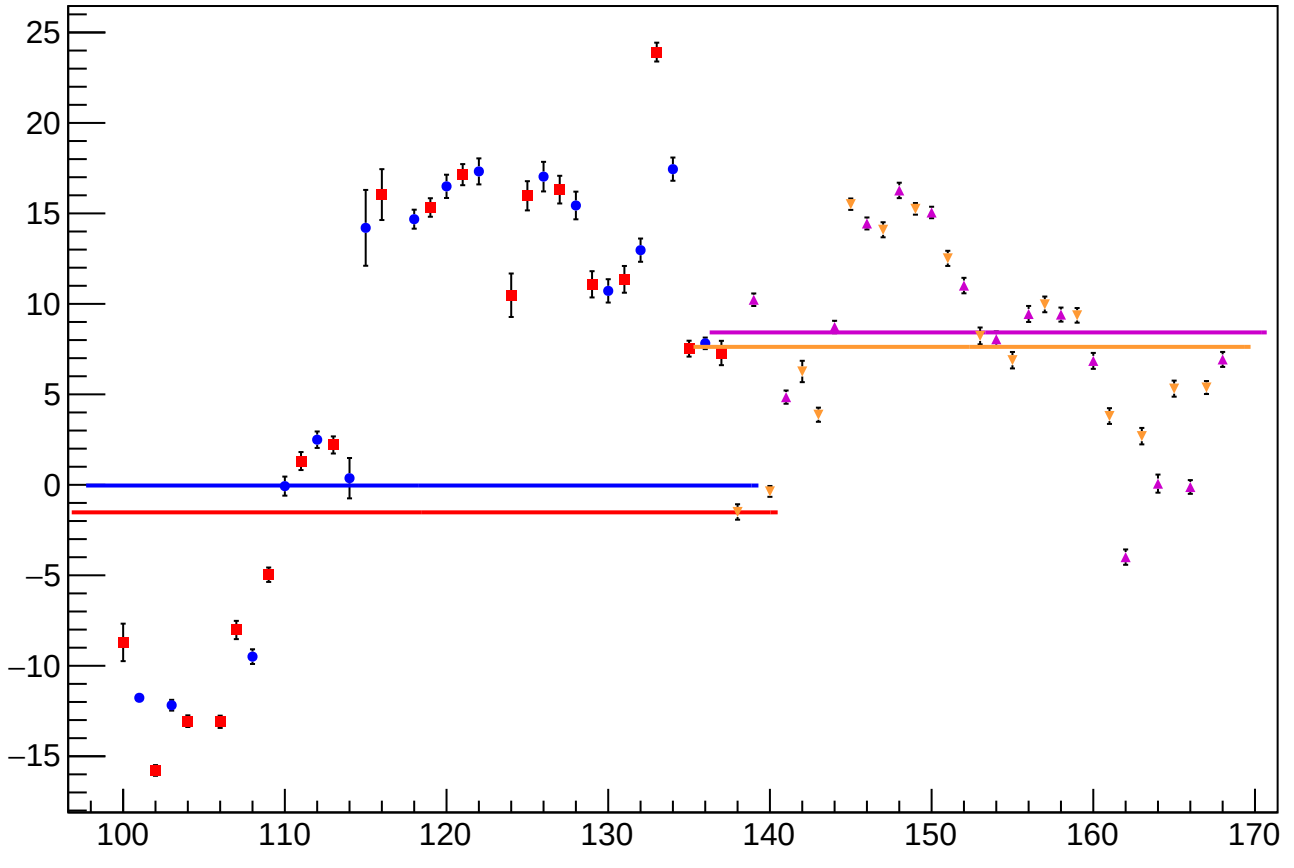
Left: 5.162+/-0.051 χ^2/NDF: 5355.1/30

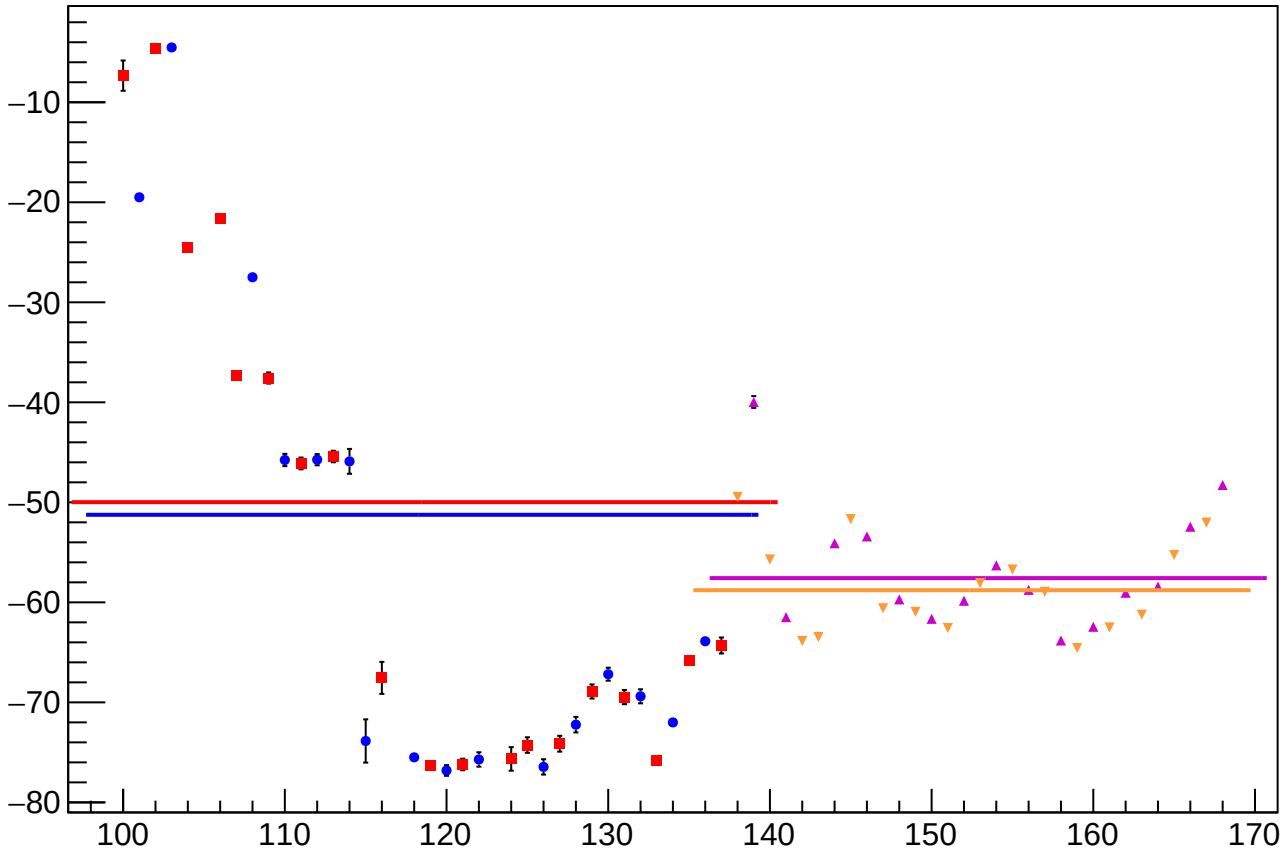
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.800+/-0.062 χ^2/NDF:14376.8/30

Out: 4.200+/-0.060 χ^2/NDF:12438.9/34

All: 4.008+/-0.043 χ^2/NDF: 26837.0/65


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 7.624+/-0.099 χ²/NDF:3143.8/15
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 8.423+/-0.101 χ²/NDF:2945.4/14
Left: 8.019+/-0.071 χ²/NDF: 6121.0/30
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 4.908+/-0.077 χ²/NDF:15156.9/30
Out: 3.714+/-0.075 χ²/NDF:18888.5/34
All: 4.298+/-0.054 χ²/NDF: 34168.5/65



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.785+/-0.083 χ^2/NDF:2817.6/15

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.577+/-0.085 χ^2/NDF:3308.5/14

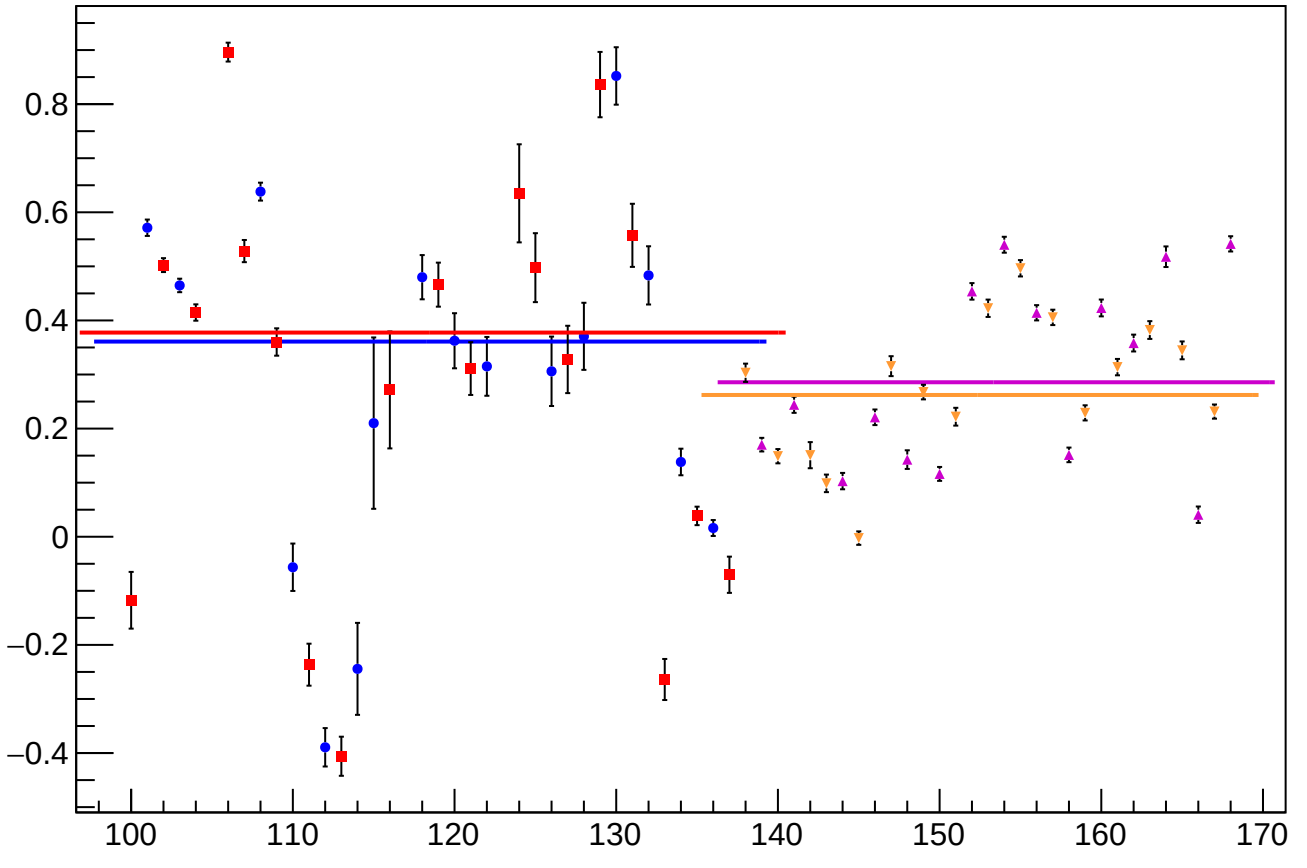
Left: -58.198+/-0.060 χ^2/NDF: 6229.0/30

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.783+/-0.072 χ^2/NDF:38632.4/30

Out: -56.254+/-0.070 χ^2/NDF:39942.3/34

All: -56.026+/-0.050 χ^2/NDF: 78596.5/65



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.262+/-0.004 χ^2/NDF:1210.6/15

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.286+/-0.004 χ^2/NDF:1938.7/14

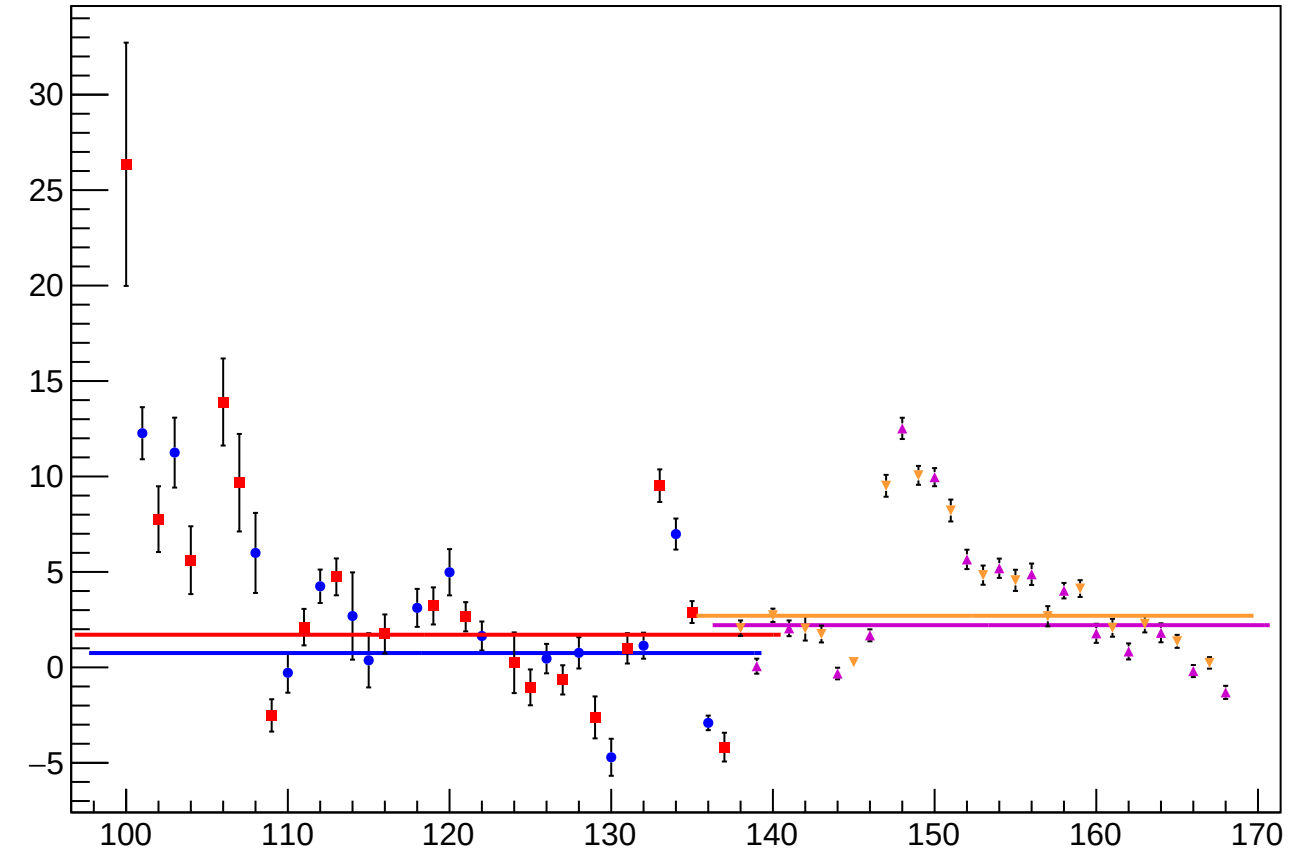
Left: 0.274+/-0.003 χ^2/NDF: 3168.4/30

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

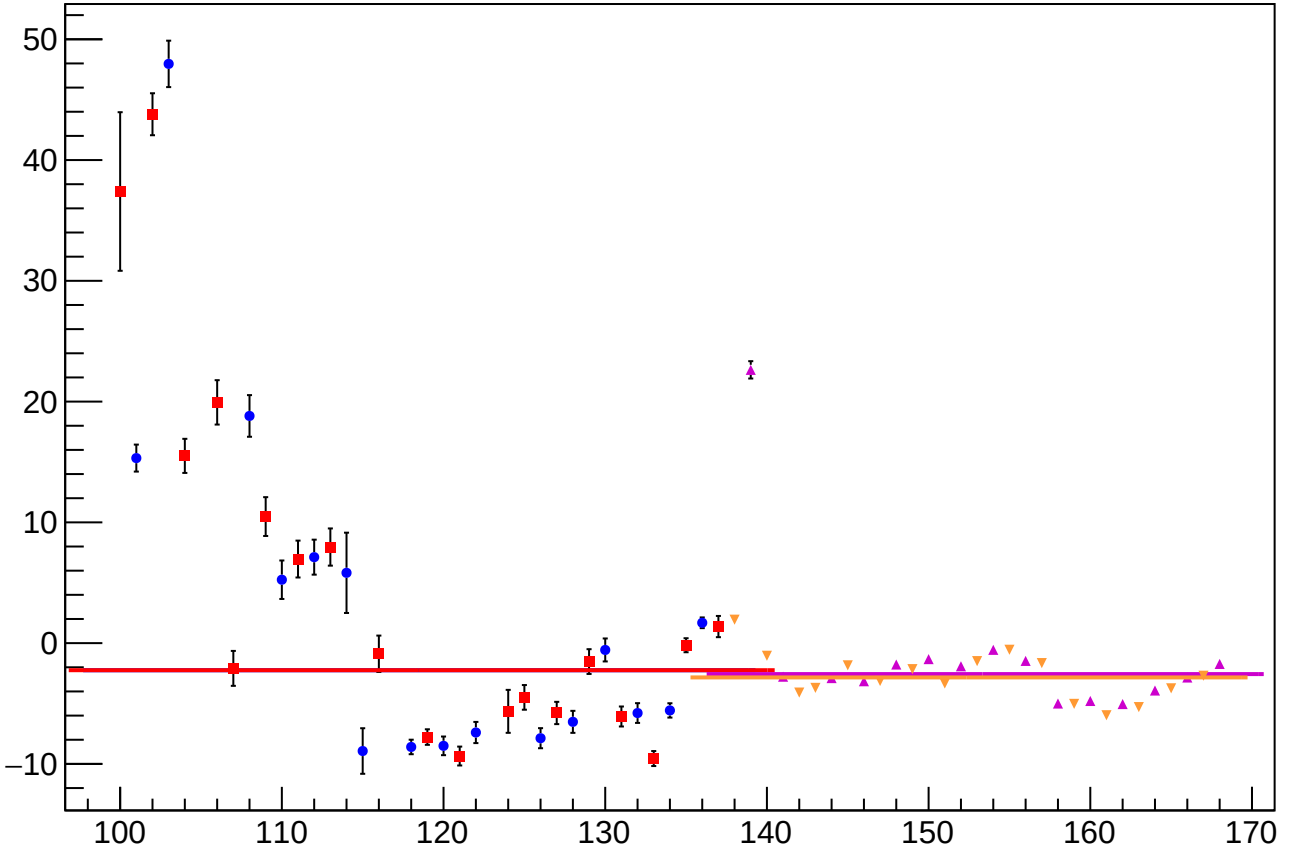
In: 0.305+/-0.003 χ^2/NDF:3901.7/30

Out: 0.294+/-0.003 χ^2/NDF:4257.9/34

All: 0.300+/-0.002 χ^2/NDF: 8165.5/65


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: 2.705+/-0.105 χ²/NDF:671.9/15
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 2.211+/-0.105 χ²/NDF:1008.7/14
Left: 2.460+/-0.074 χ²/NDF: 1691.6/30
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 1.923+/-0.094 χ²/NDF:1376.7/30
Out: 2.526+/-0.095 χ²/NDF:982.1/34
All: 2.224+/-0.067 χ²/NDF: 2379.1/65

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.839+/-0.076 χ^2/NDF:517.4/15

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.563+/-0.076 χ^2/NDF:1520.6/14

Left: -2.701+/-0.053 χ^2/NDF: 2044.7/30

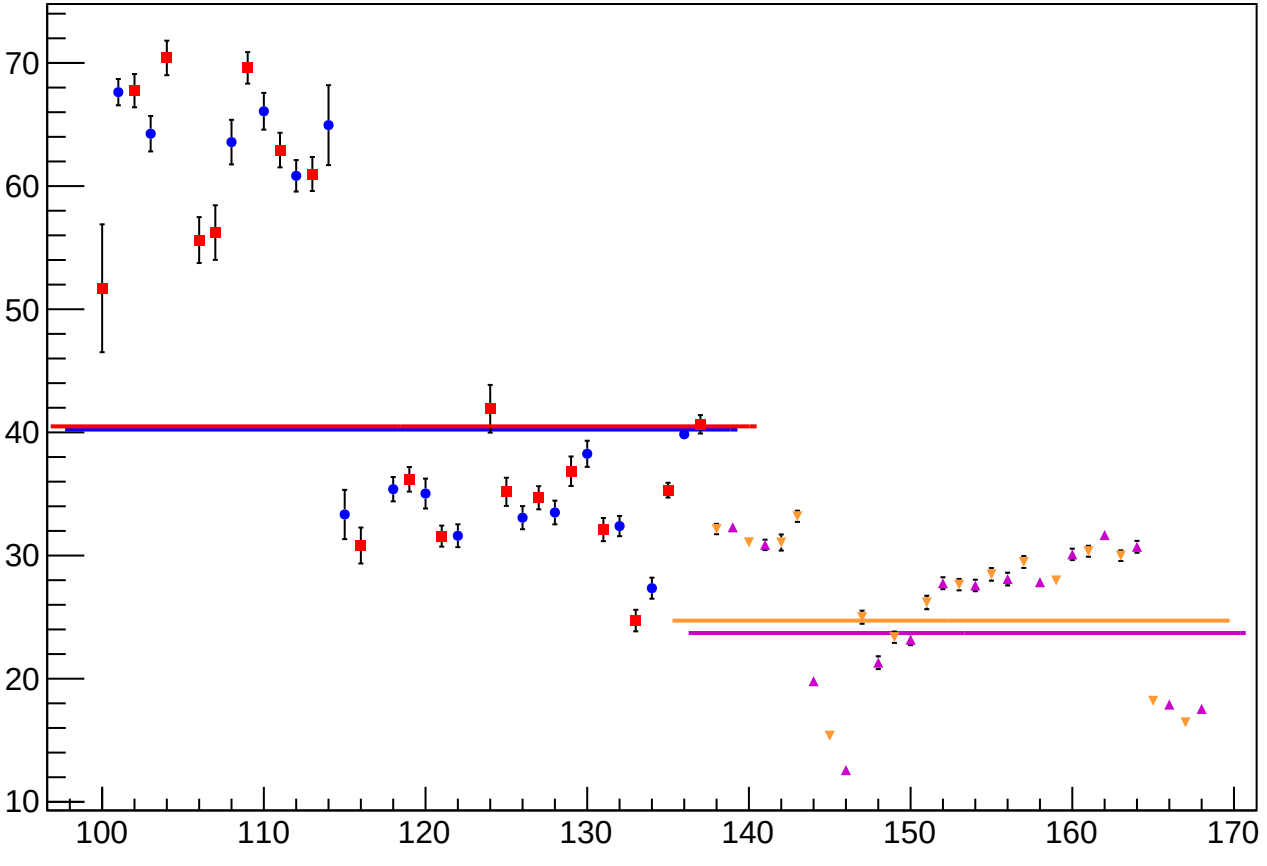
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.528+/-0.071 χ^2/NDF:3095.0/30

Out: -2.780+/-0.072 χ^2/NDF:2079.2/34

All: -2.654+/-0.051 χ^2/NDF: 5180.4/65

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: 24.715+/-0.103 χ^2/NDF:3908.9/15

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 23.711+/-0.103 χ^2/NDF:4014.0/14

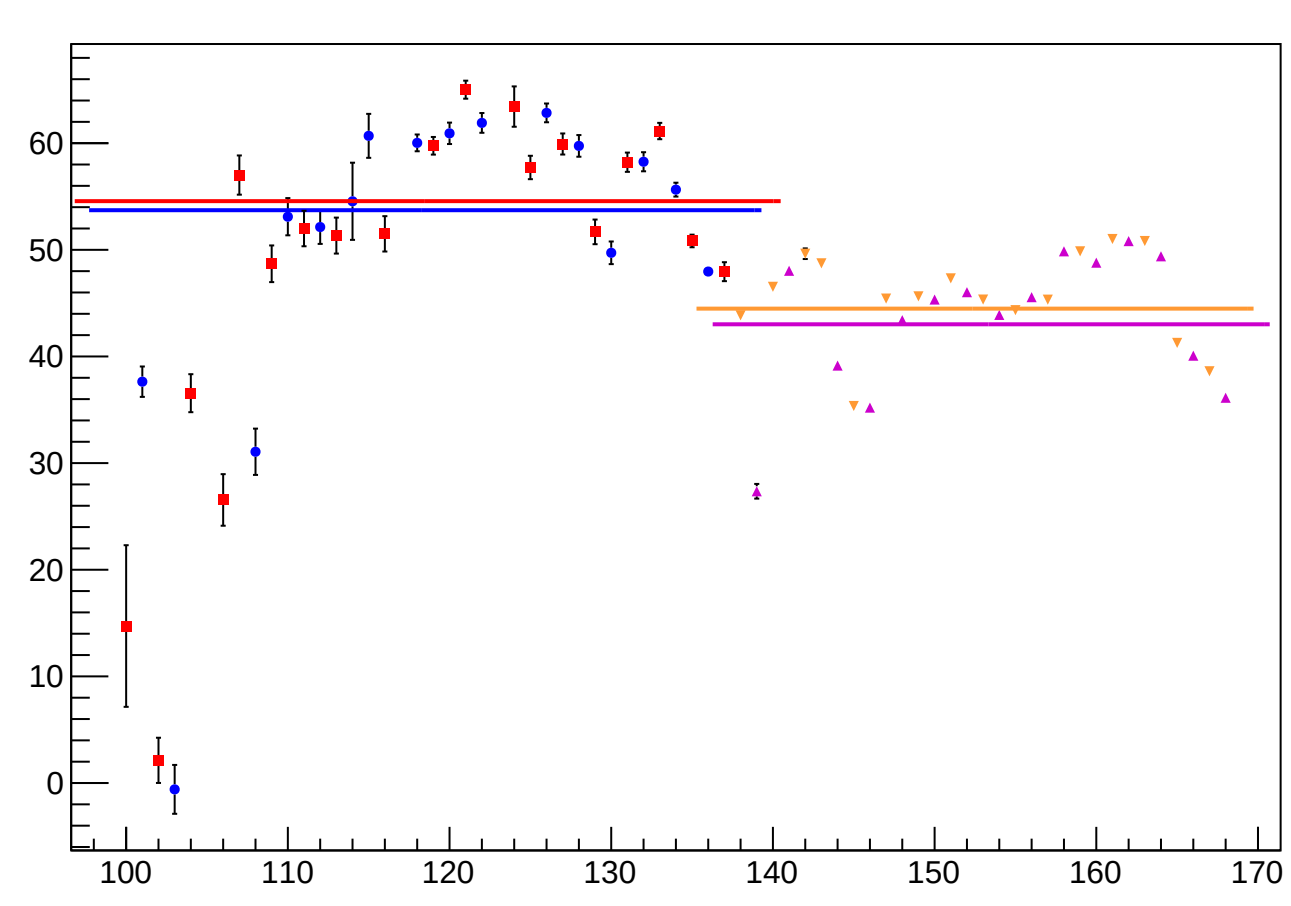
Left: 24.212+/-0.073 χ^2/NDF: 7970.1/30

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 26.450+/-0.094 χ^2/NDF:10556.0/30

Out: 27.009+/-0.095 χ^2/NDF:9997.9/34

All: 26.726+/-0.067 χ^2/NDF: 20571.2/65



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 44.486+/-0.086 χ^2/NDF:3382.5/15

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.017+/-0.087 χ^2/NDF:4328.9/14

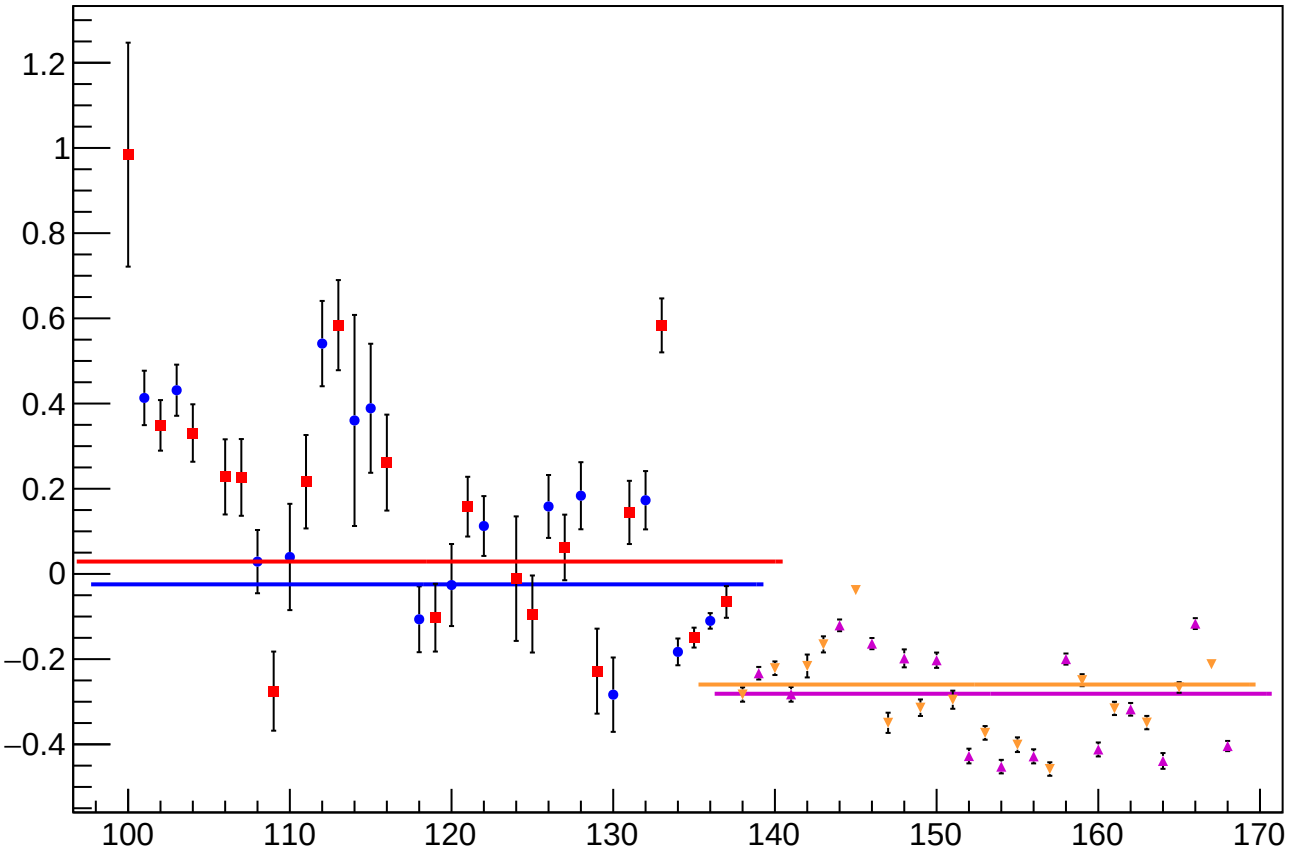
Left: 43.758+/-0.061 χ^2/NDF: 7854.8/30

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.271+/-0.082 χ^2/NDF:7460.2/30

Out: 45.515+/-0.082 χ^2/NDF:6115.4/34

All: 44.893+/-0.058 χ^2/NDF: 13691.1/65



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.260+/-0.004 χ^2/NDF:821.2/15

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.281+/-0.004 χ^2/NDF:980.9/14

Left: -0.270+/-0.003 χ^2/NDF: 1817.5/30

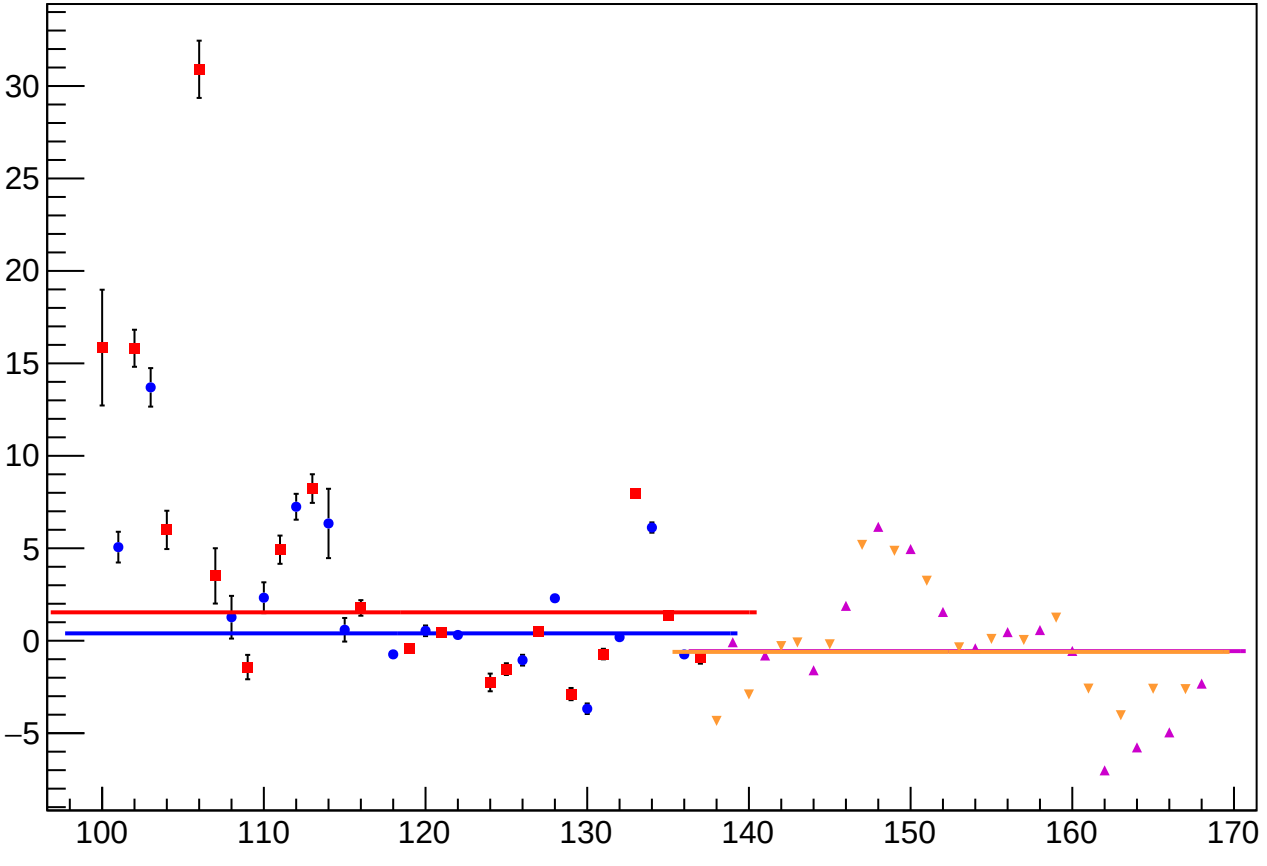
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.259+/-0.004 χ^2/NDF:1578.6/30

Out: -0.239+/-0.004 χ^2/NDF:1479.5/34

All: -0.249+/-0.003 χ^2/NDF: 3072.2/65

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.603+/-0.040 χ^2/NDF:4424.5/15

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.562+/-0.040 χ^2/NDF:6577.6/14

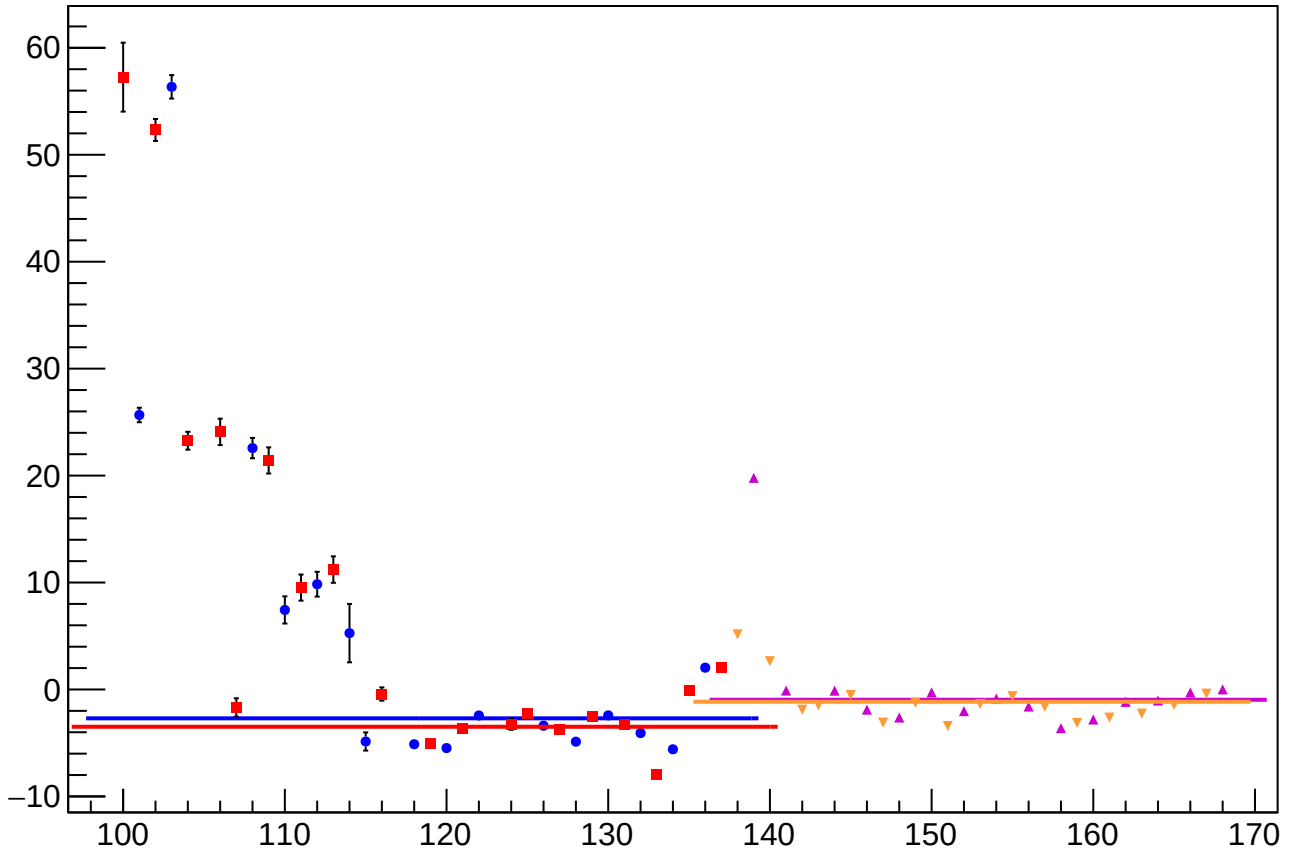
Left: -0.583+/-0.028 χ^2/NDF: 11002.6/30

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.362+/-0.035 χ^2/NDF:7797.9/30

Out: -0.158+/-0.036 χ^2/NDF:7428.2/34

All: -0.261+/-0.025 χ^2/NDF: 15242.6/65



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.149+/-0.029 χ^2/NDF:4251.3/15

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.962+/-0.029 χ^2/NDF:8222.8/14

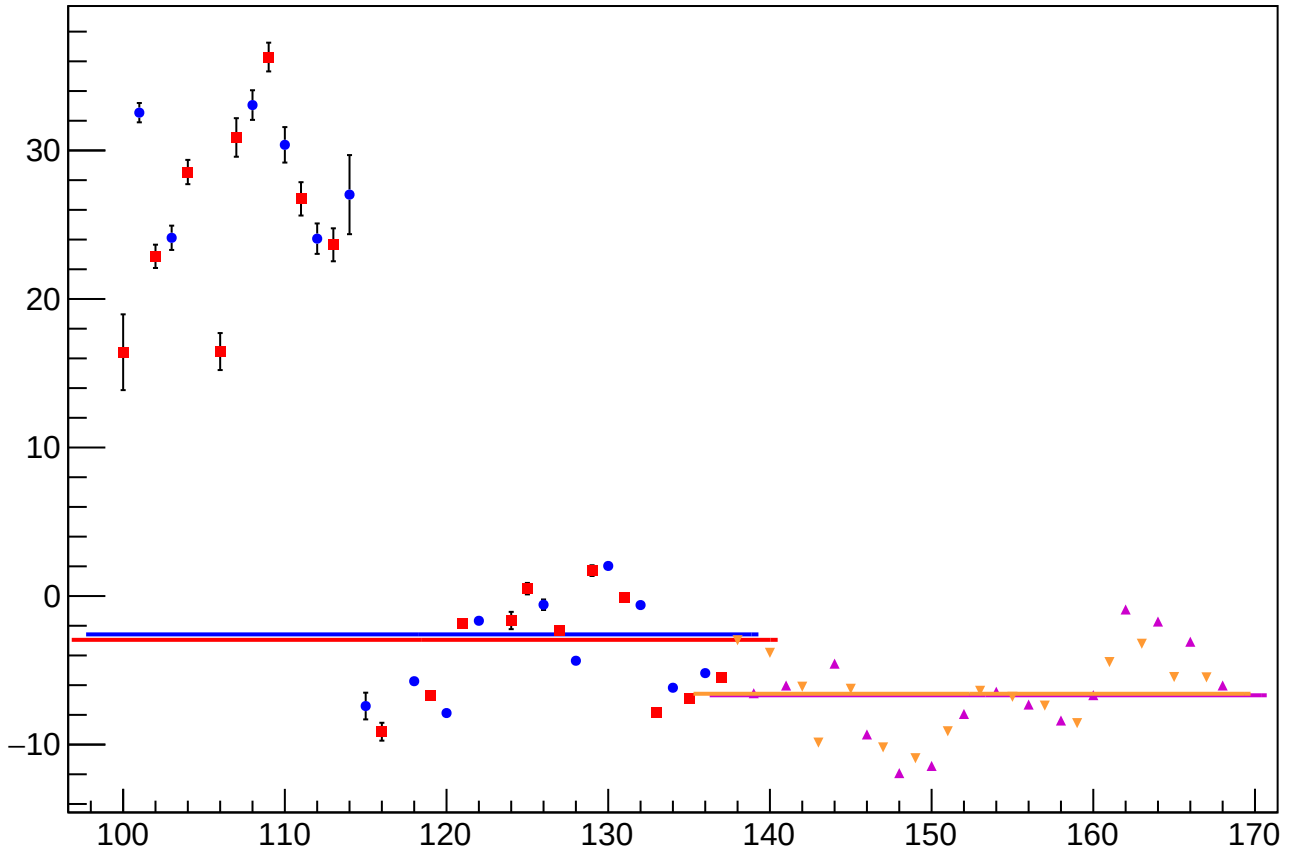
Left: -1.055+/-0.020 χ^2/NDF: 12495.2/30

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.205+/-0.026 χ^2/NDF:15845.0/30

Out: -1.481+/-0.027 χ^2/NDF:12344.3/34

All: -1.342+/-0.019 χ^2/NDF: 28243.0/65



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.579+/-0.040 χ^2/NDF:3537.4/15

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.681+/-0.039 χ^2/NDF:5570.4/14

Left: -6.631+/-0.028 χ^2/NDF: 9111.2/30

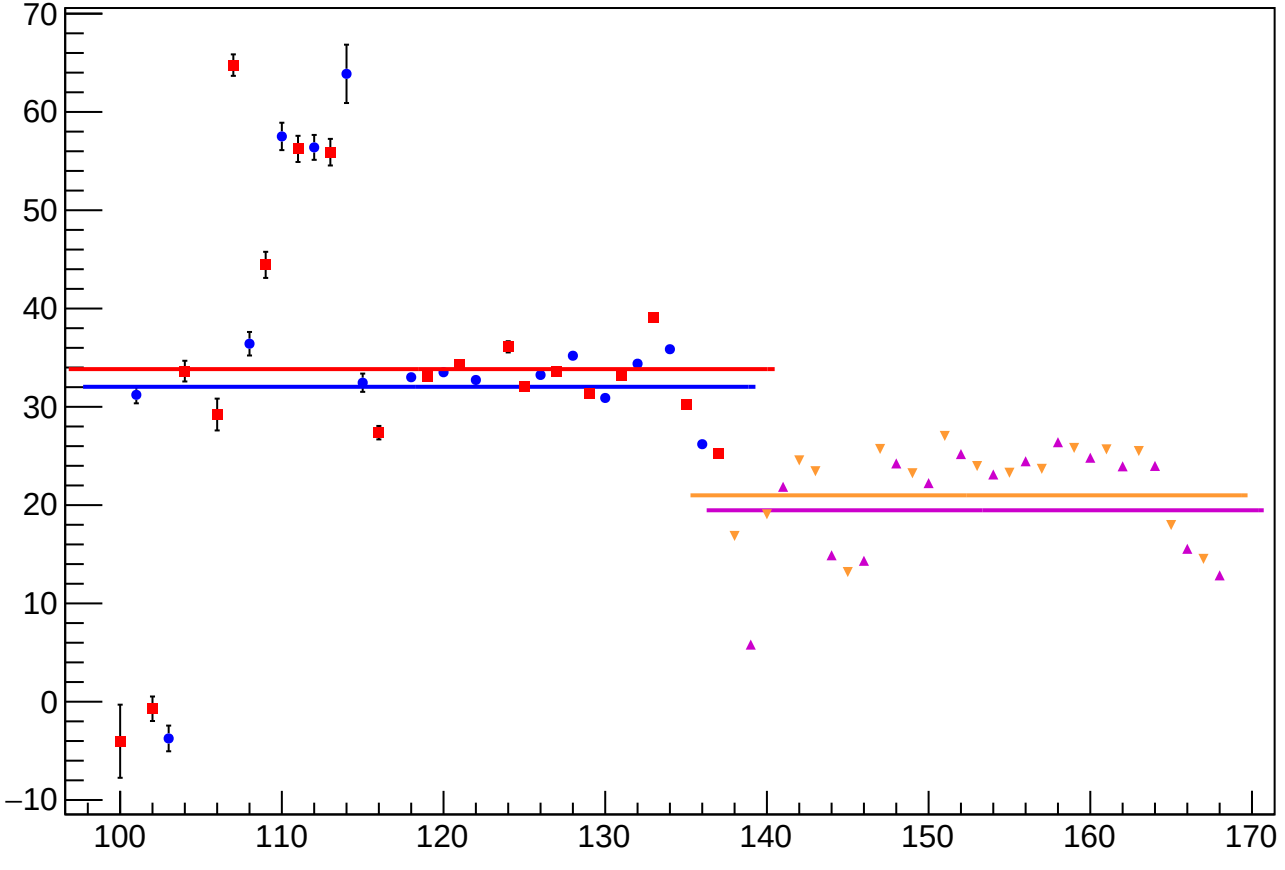
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.945+/-0.035 χ^2/NDF:15727.3/30

Out: -5.931+/-0.036 χ^2/NDF:13235.0/34

All: -5.938+/-0.025 χ^2/NDF: 28962.4/65

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.996+/-0.033 χ^2/NDF:21189.5/15

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.475+/-0.033 χ^2/NDF:24189.9/14

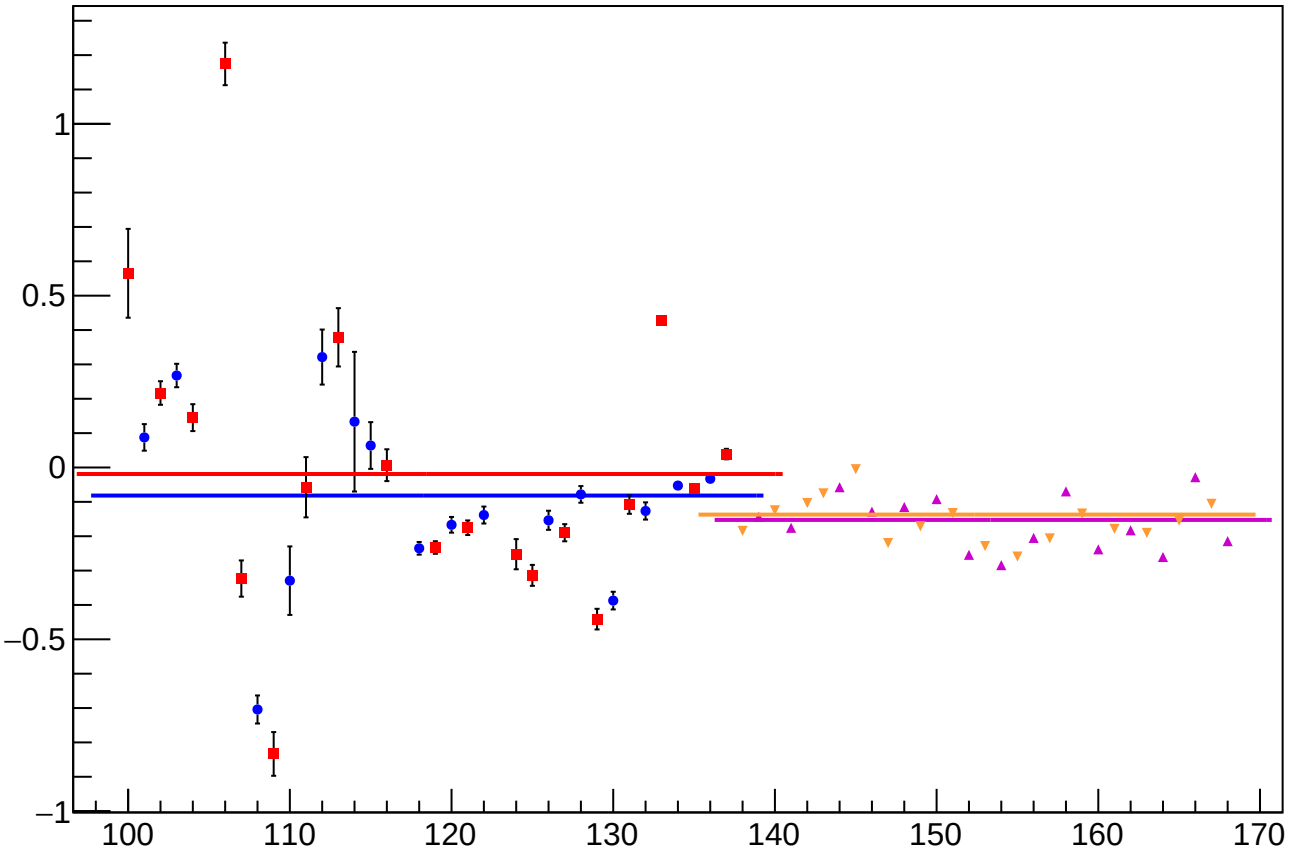
Left: 20.230+/-0.023 χ^2/NDF: 46429.6/30

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.258+/-0.031 χ^2/NDF:47940.9/30

Out: 22.830+/-0.031 χ^2/NDF:46646.3/34

All: 22.039+/-0.022 χ^2/NDF: 95893.4/65



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.137+/-0.002 χ^2/NDF:2211.8/15

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.153+/-0.001 χ^2/NDF:2628.9/14

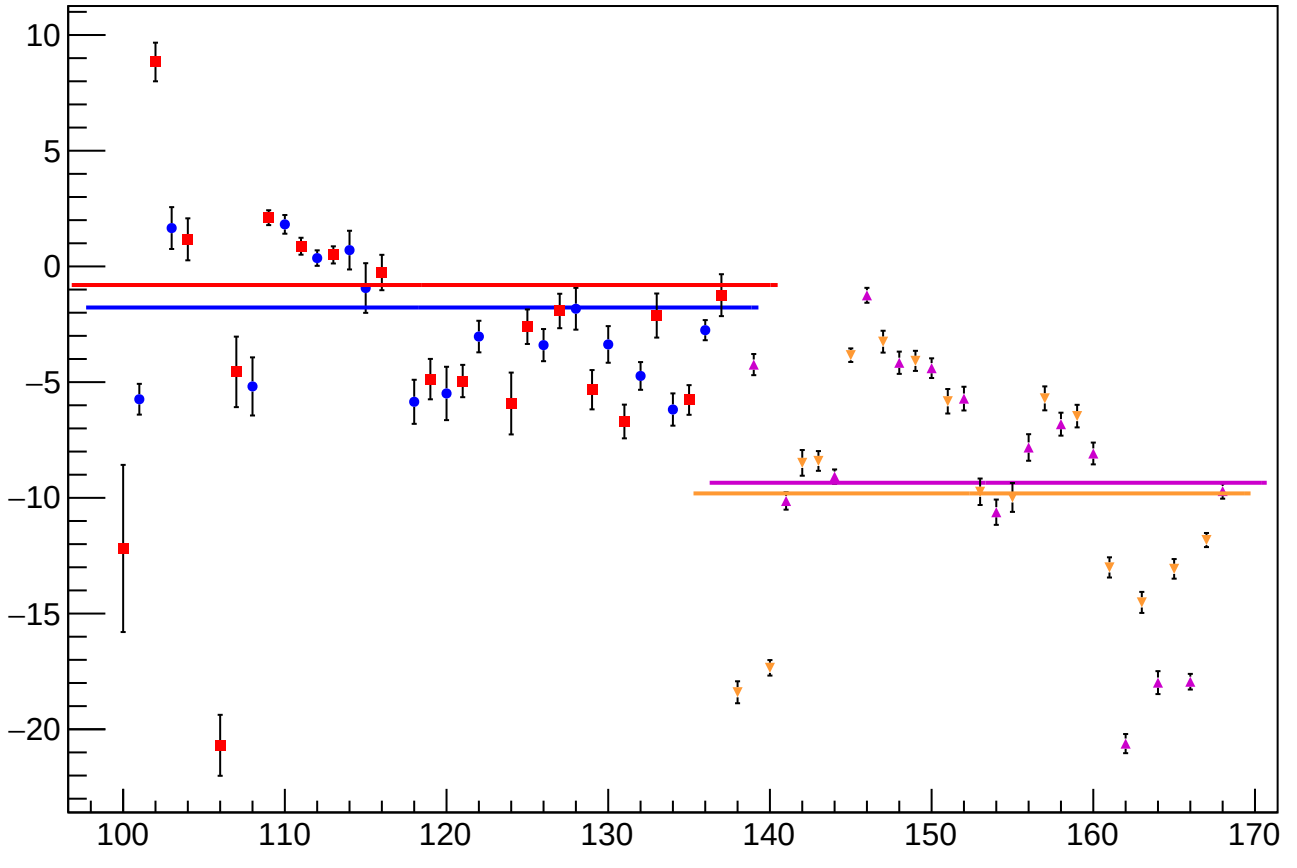
Left: -0.145+/-0.001 χ^2/NDF: 4894.1/30

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.146+/-0.001 χ^2/NDF:3514.9/30

Out: -0.128+/-0.001 χ^2/NDF:4961.0/34

All: -0.137+/-0.001 χ^2/NDF: 8559.6/65



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.808+/-0.107 χ^2/NDF:2061.4/15

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.348+/-0.106 χ^2/NDF:2801.4/14

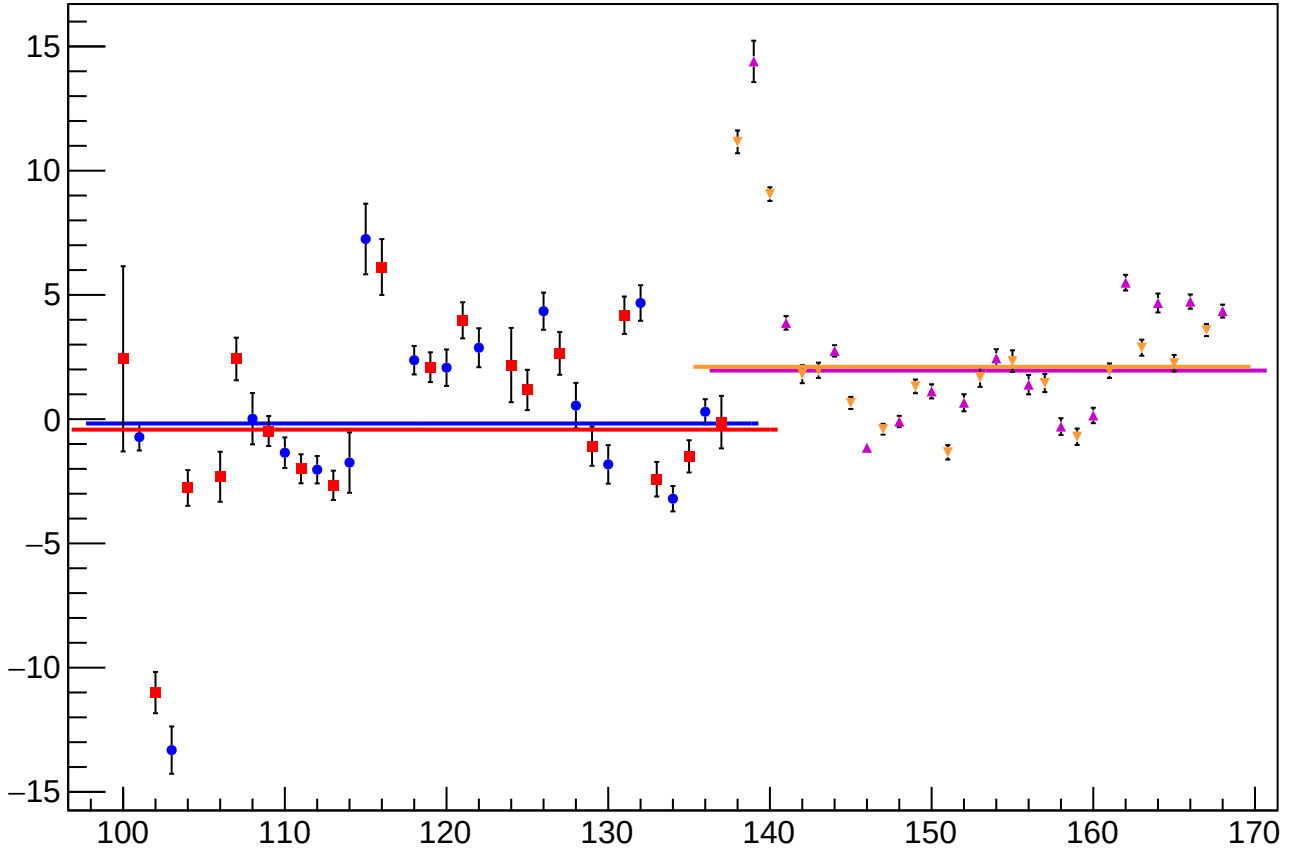
Left: -9.577+/-0.076 χ^2/NDF: 4872.1/30

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.967+/-0.088 χ^2/NDF:4691.9/30

Out: -6.719+/-0.087 χ^2/NDF:5217.0/34

All: -6.842+/-0.062 χ^2/NDF: 9912.9/65



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.108+/-0.076 χ^2/NDF:1459.9/15

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.957+/-0.075 χ^2/NDF:1080.0/14

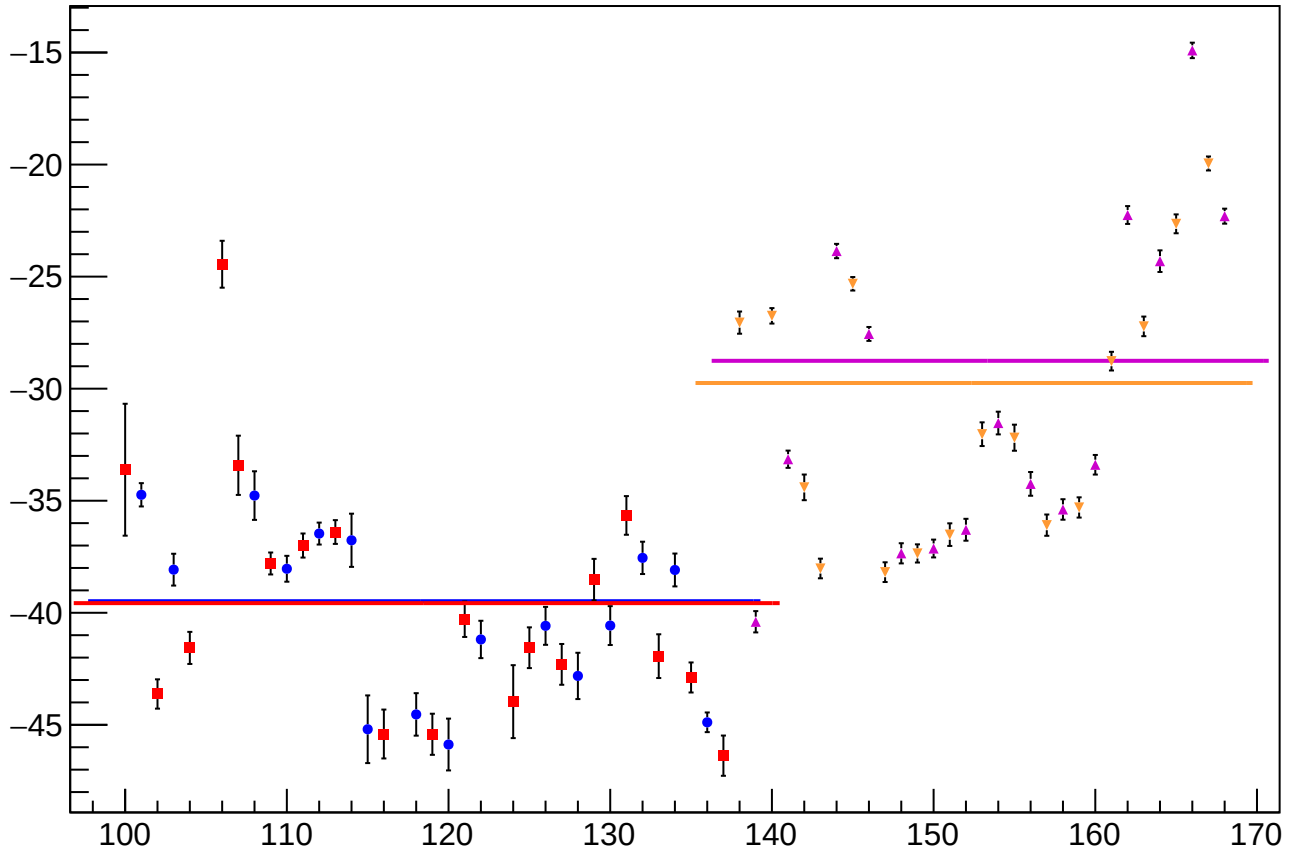
Left: 2.032+/-0.053 χ^2/NDF: 2541.9/30

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

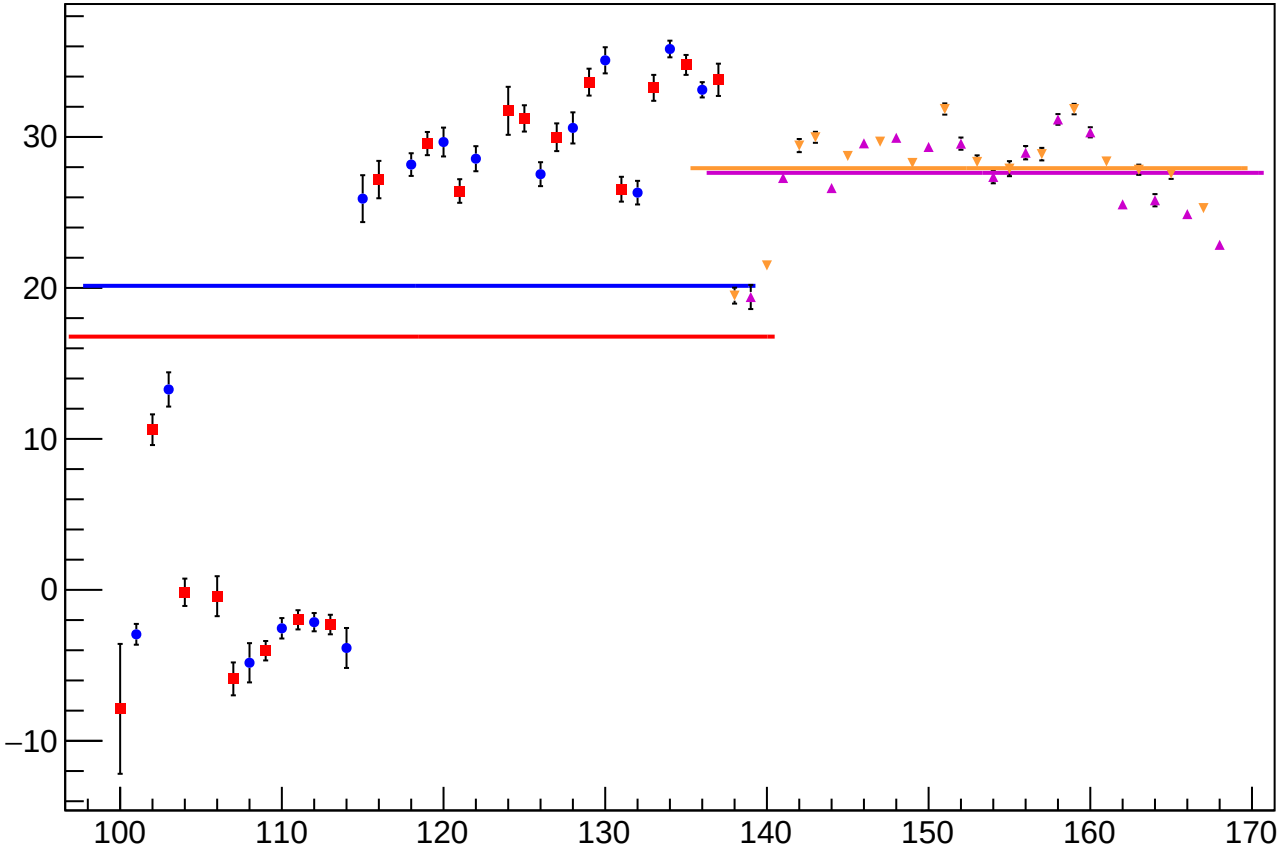
In: 1.619+/-0.069 χ^2/NDF:1610.7/30

Out: 1.719+/-0.070 χ^2/NDF:1998.6/34

All: 1.668+/-0.049 χ^2/NDF: 3610.4/65


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
100
110
120
130
140
150
160
170
Right In: -39.484+/-0.180 χ²/NDF: 409.3/15
Left Out: -29.747+/-0.106 χ²/NDF:3315.8/15
Right Out: -39.570+/-0.181 χ²/NDF: 553.5/18
Left In: -28.757+/-0.104 χ²/NDF:4823.3/14
Left: -29.245+/-0.074 χ²/NDF: 8183.6/30
Right: -39.526+/-0.128 χ²/NDF: 962.9/34
In: -31.442+/-0.090 χ²/NDF:7888.2/30
Out: -32.242+/-0.091 χ²/NDF:6067.0/34
All: -31.838+/-0.064 χ²/NDF: 13994.0/65

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.932+/-0.088 χ^2/NDF:1065.5/15

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.623+/-0.087 χ^2/NDF:849.8/14

Left: 27.777+/-0.062 χ^2/NDF: 1921.5/30

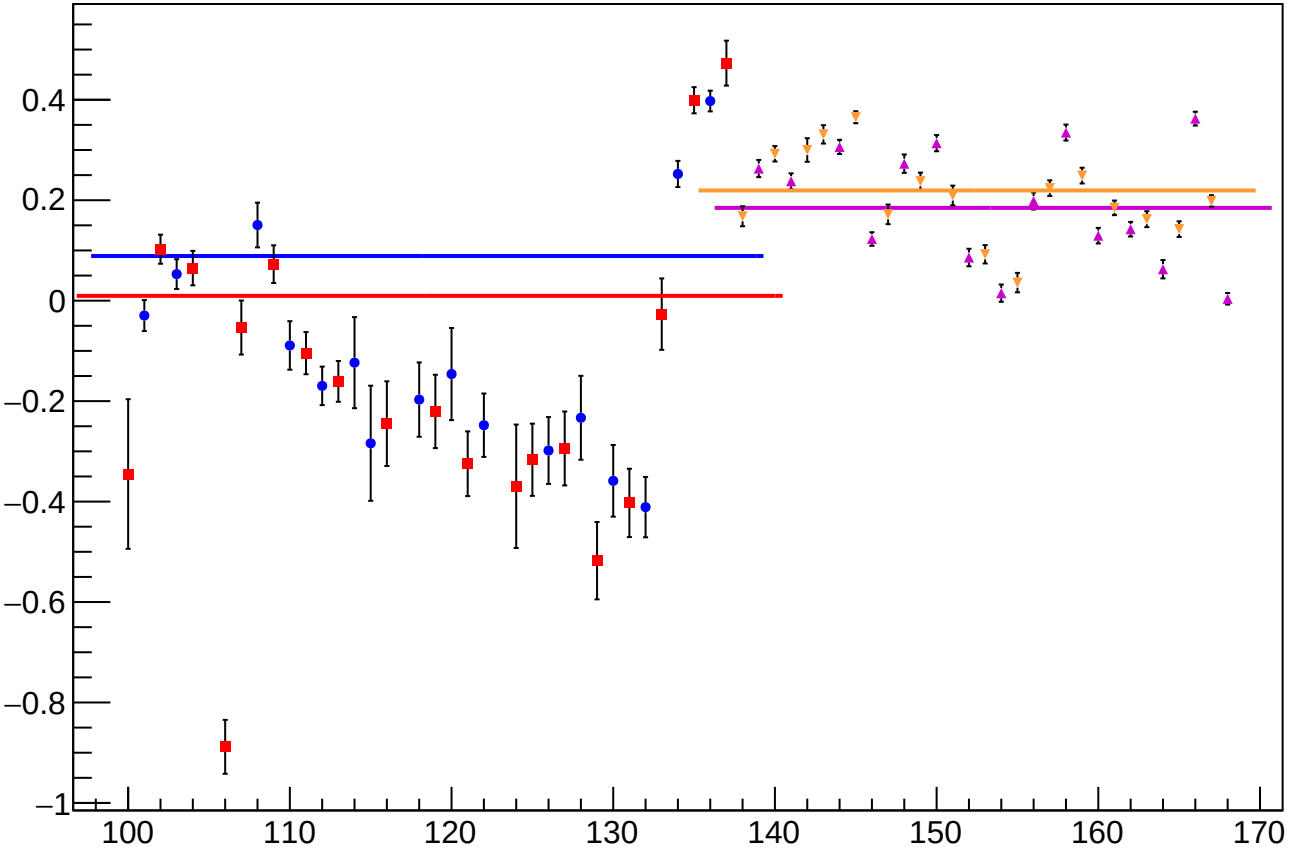
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.373+/-0.080 χ^2/NDF:8764.7/30

Out: 26.135+/-0.080 χ^2/NDF:10423.1/34

All: 26.255+/-0.056 χ^2/NDF: 19192.2/65

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.219+/-0.004 χ^2/NDF:423.2/15

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.185+/-0.004 χ^2/NDF:915.9/14

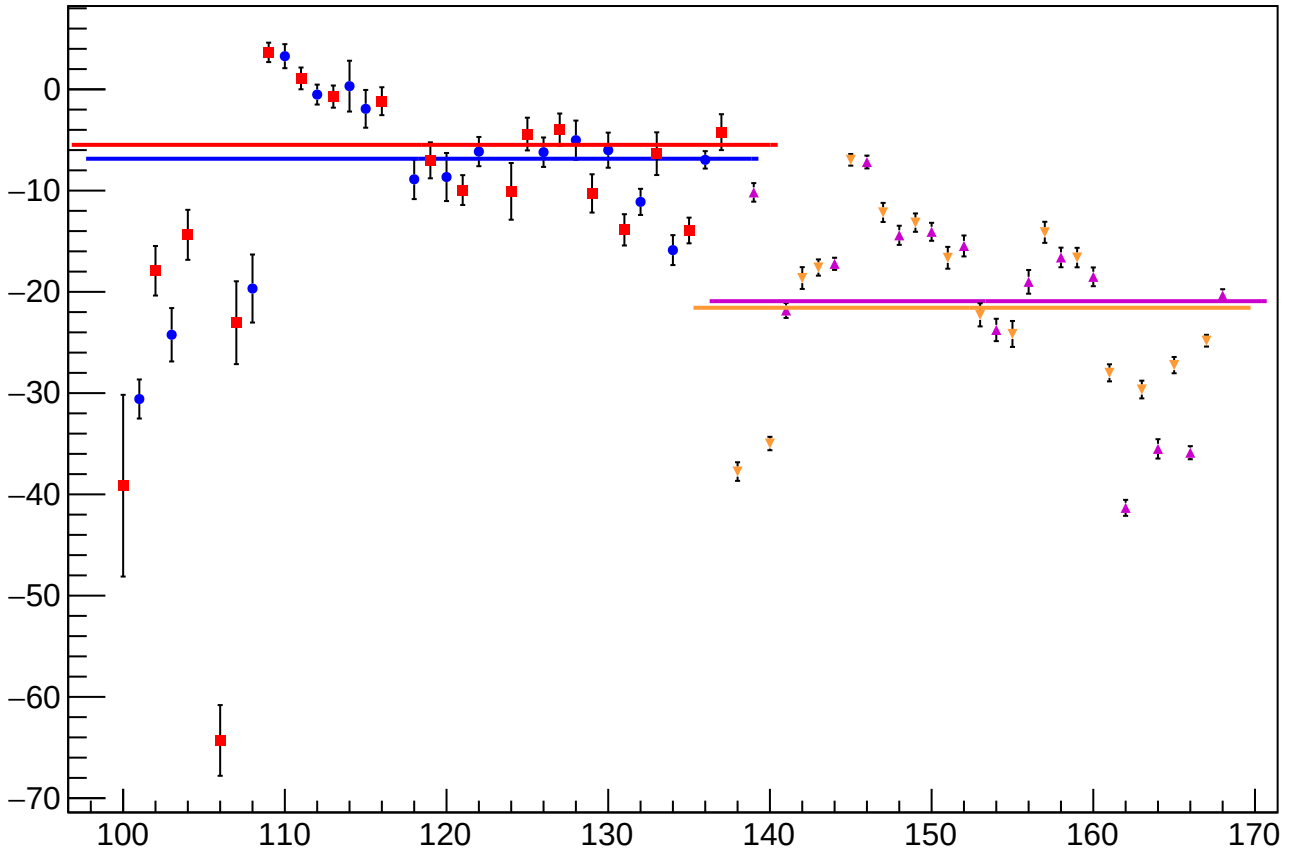
Left: 0.202+/-0.003 χ^2/NDF: 1376.6/30

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.173+/-0.004 χ^2/NDF:1553.8/30

Out: 0.195+/-0.004 χ^2/NDF:1577.8/34

All: 0.183+/-0.003 χ^2/NDF: 3149.0/65



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.570+/-0.210 χ^2/NDF:1909.5/15

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.919+/-0.208 χ^2/NDF:2251.6/14

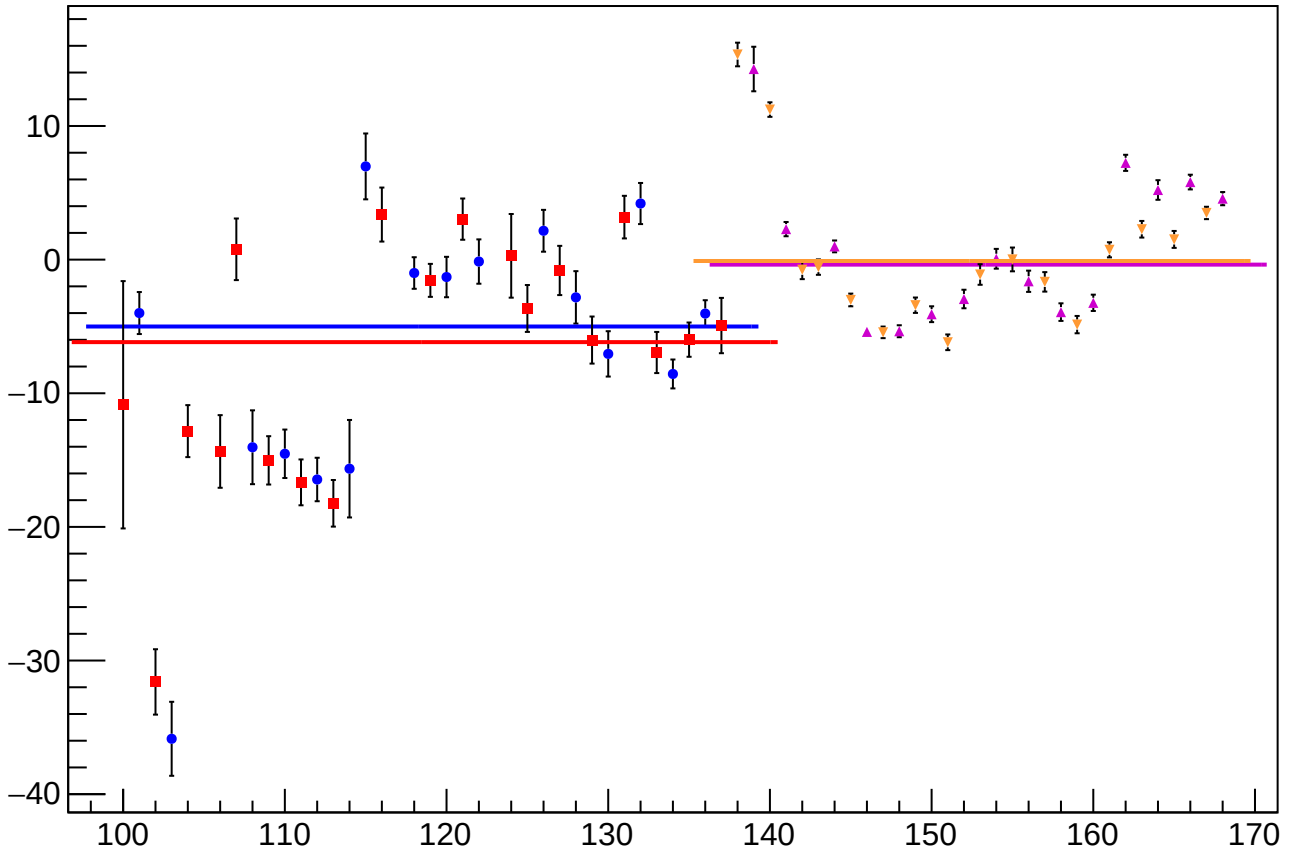
Left: -21.242+/-0.148 χ^2/NDF: 4165.9/30

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.609+/-0.182 χ^2/NDF:3714.1/30

Out: -17.638+/-0.182 χ^2/NDF:3952.2/34

All: -17.624+/-0.129 χ^2/NDF: 7666.4/65



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.102+/-0.148 χ^2/NDF:1213.2/15

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.374+/-0.147 χ^2/NDF:965.1/14

Left: -0.239+/-0.104 χ^2/NDF: 2180.1/30

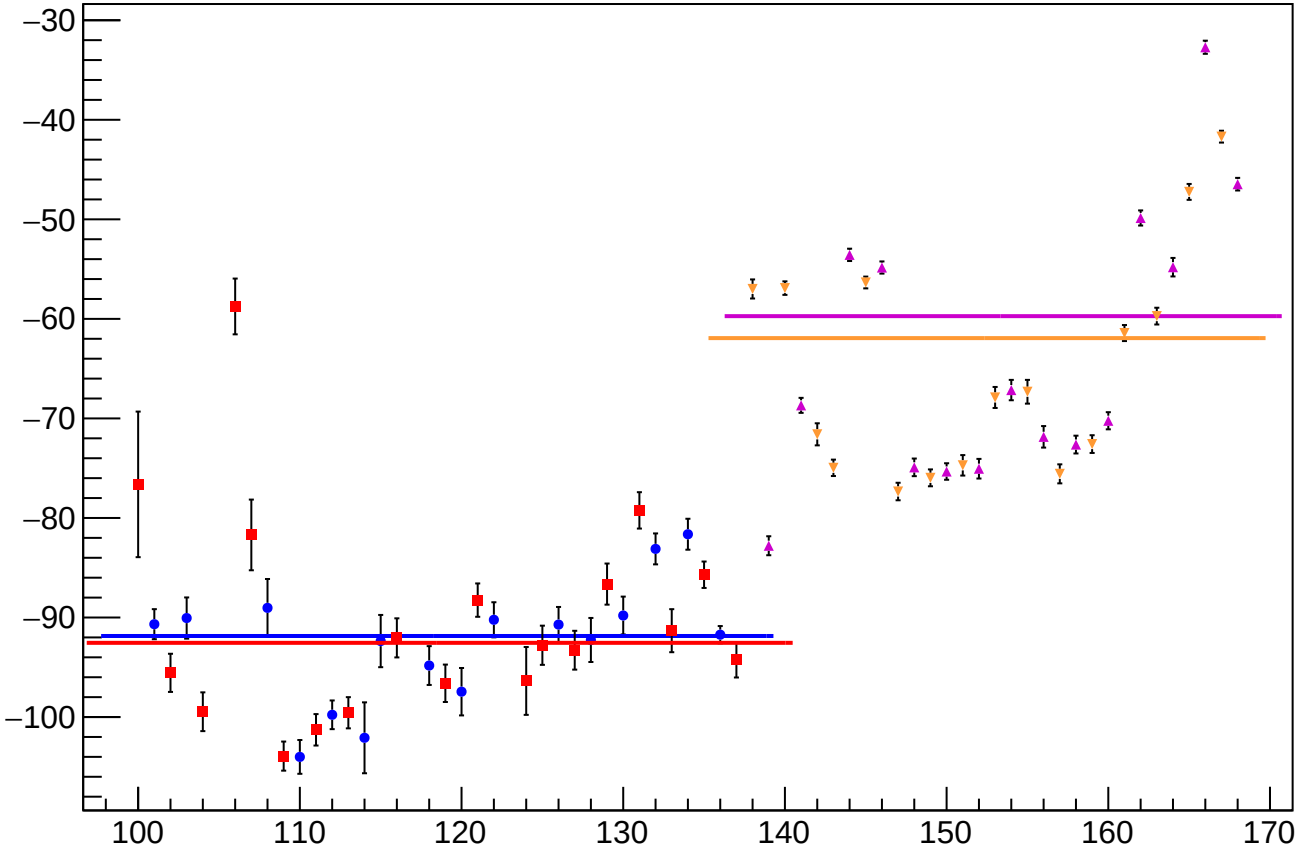
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.936+/-0.138 χ^2/NDF:1427.4/30

Out: -0.786+/-0.140 χ^2/NDF:1770.8/34

All: -0.862+/-0.098 χ^2/NDF: 3198.9/65

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.932+/-0.207 χ^2/NDF:3129.1/15

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -59.726+/-0.204 χ^2/NDF:4622.9/14

Left: -60.813+/-0.145 χ^2/NDF: 7809.5/30

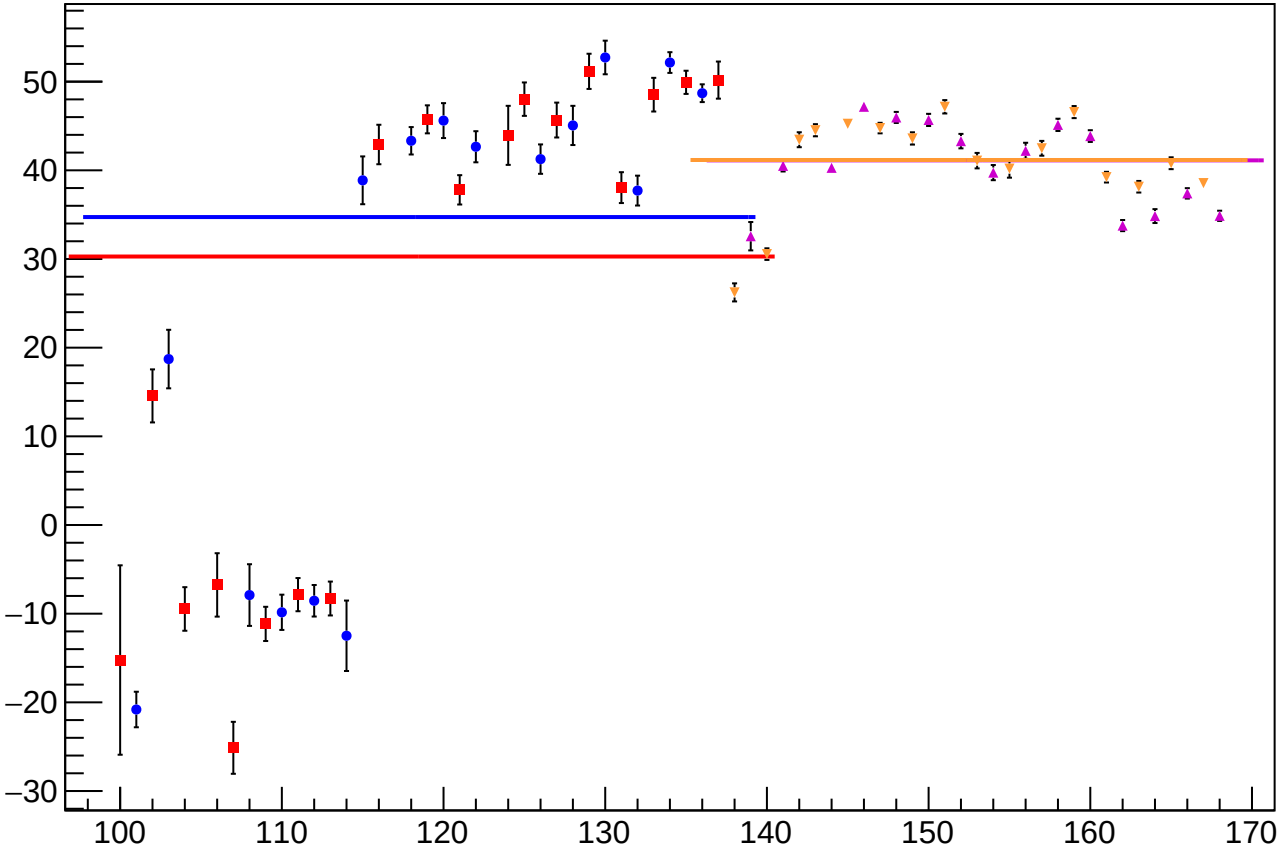
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -65.772+/-0.184 χ^2/NDF:9461.0/30

Out: -67.501+/-0.187 χ^2/NDF:7490.4/34

All: -66.621+/-0.131 χ^2/NDF: 16994.7/65

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.164+/-0.172 χ^2/NDF:801.5/15

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.123+/-0.171 χ^2/NDF:723.4/14

Left: 41.143+/-0.121 χ^2/NDF: 1525.0/30

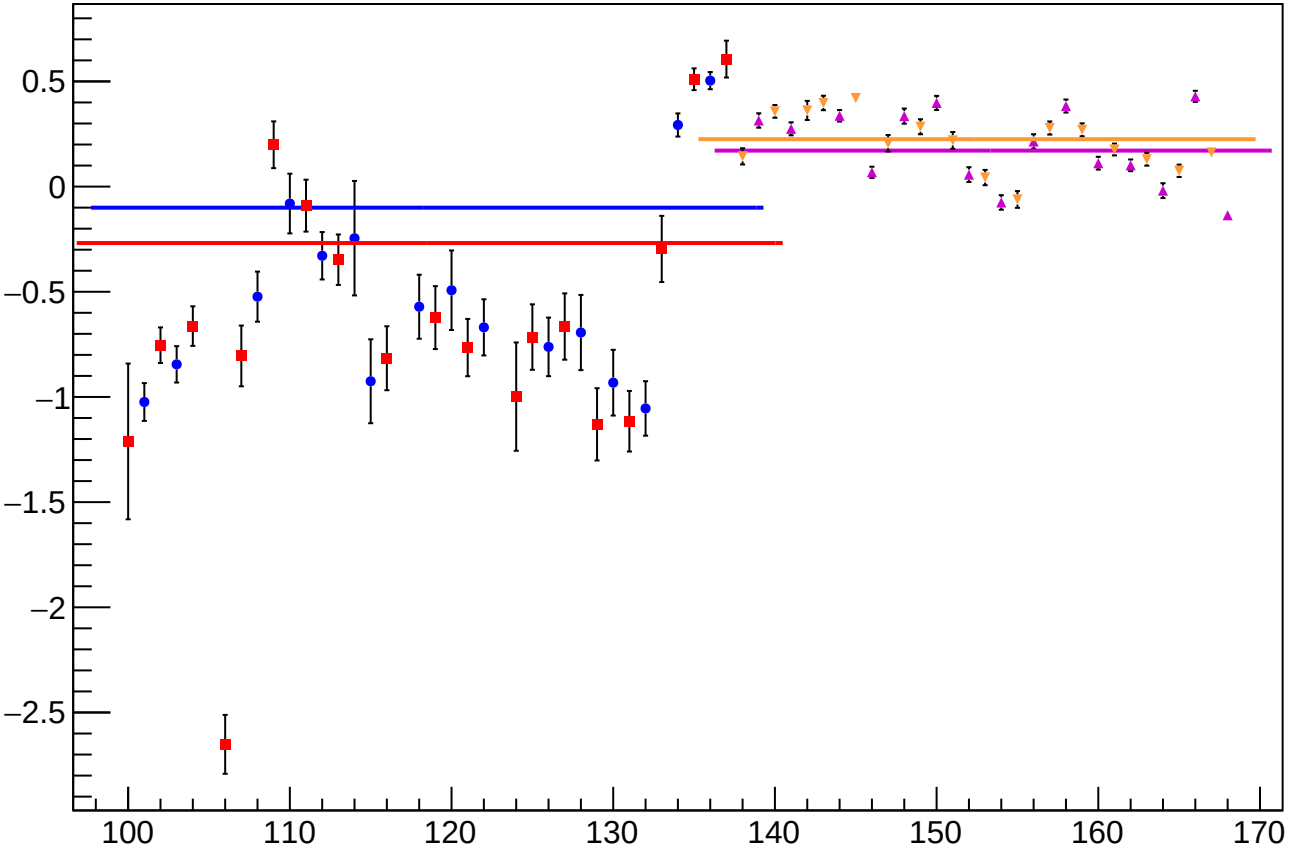
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.293+/-0.159 χ^2/NDF:3714.7/30

Out: 39.870+/-0.161 χ^2/NDF:4191.2/34

All: 40.084+/-0.113 χ^2/NDF: 7909.4/65

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.225+/-0.008 χ^2/NDF:259.0/15

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.171+/-0.008 χ^2/NDF:590.9/14

Left: 0.198+/-0.006 χ^2/NDF: 873.9/30

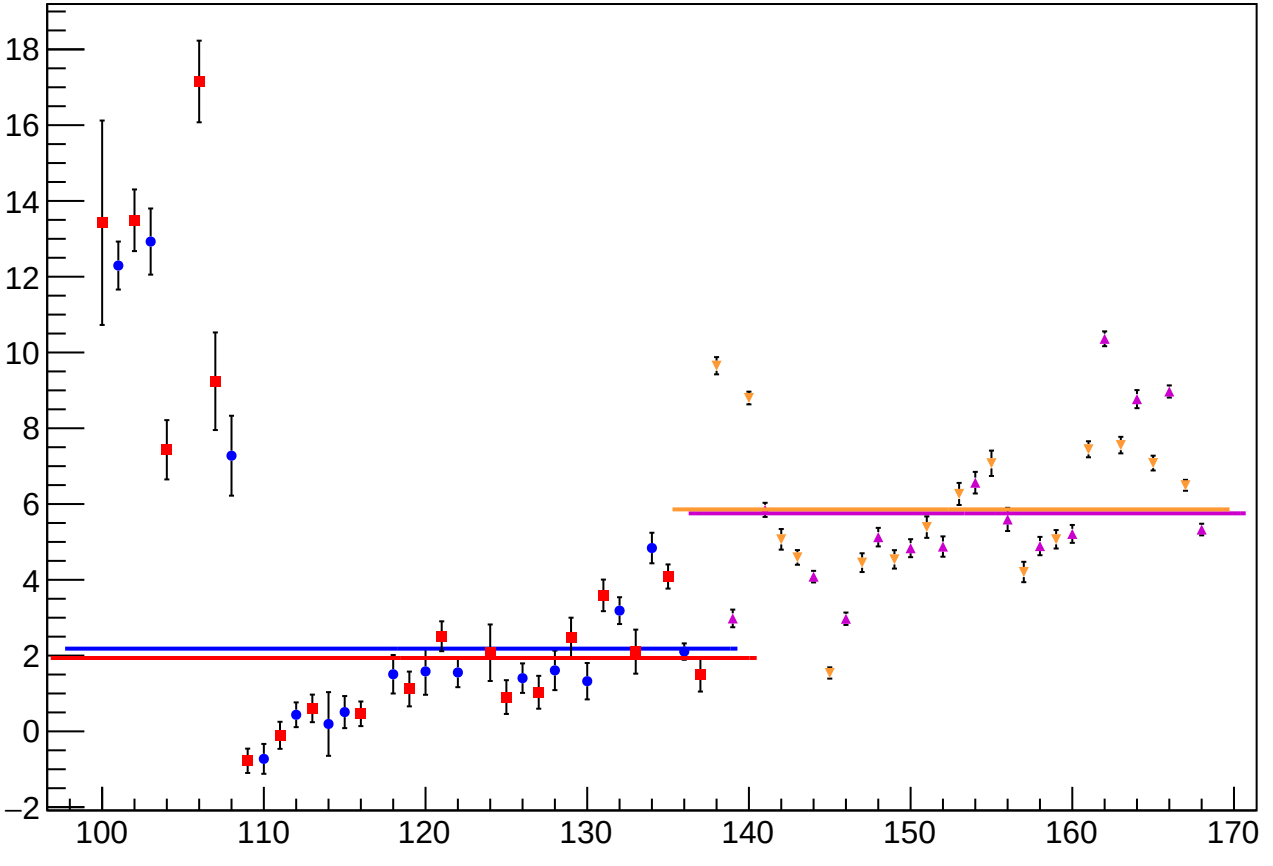
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.145+/-0.007 χ^2/NDF:1337.8/30

Out: 0.185+/-0.008 χ^2/NDF:1403.6/34

All: 0.165+/-0.005 χ^2/NDF: 2755.2/65

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: 5.859+/-0.053 χ^2/NDF:1782.9/15

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.755+/-0.053 χ^2/NDF:1732.6/14

Left: 5.806+/-0.037 χ^2/NDF: 3517.4/30

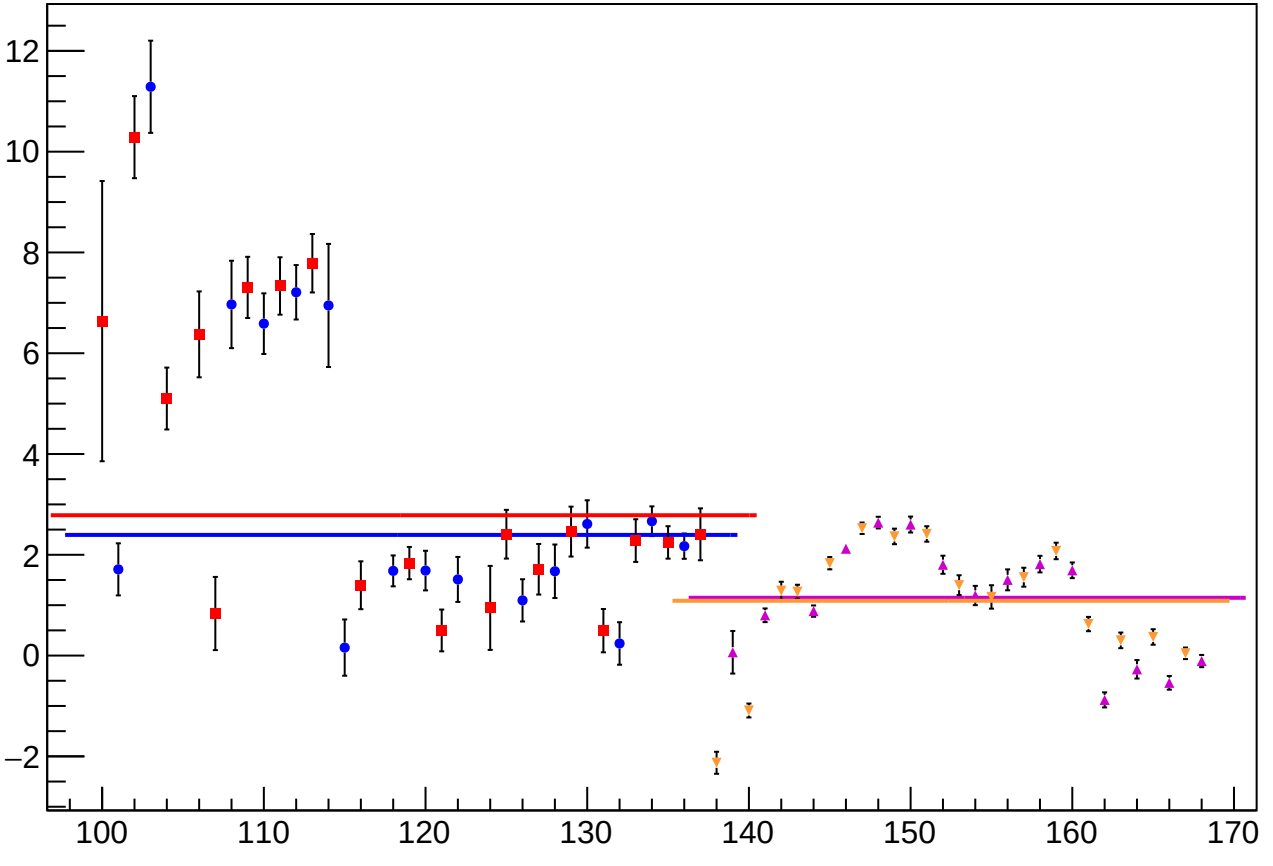
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.034+/-0.047 χ^2/NDF:3255.2/30

Out: 5.066+/-0.047 χ^2/NDF:3603.5/34

All: 5.050+/-0.033 χ^2/NDF: 6859.0/65

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: 1.087+/-0.038 χ^2/NDF:993.6/15

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.147+/-0.037 χ^2/NDF:923.5/14

Left: 1.117+/-0.026 χ^2/NDF: 1918.4/30

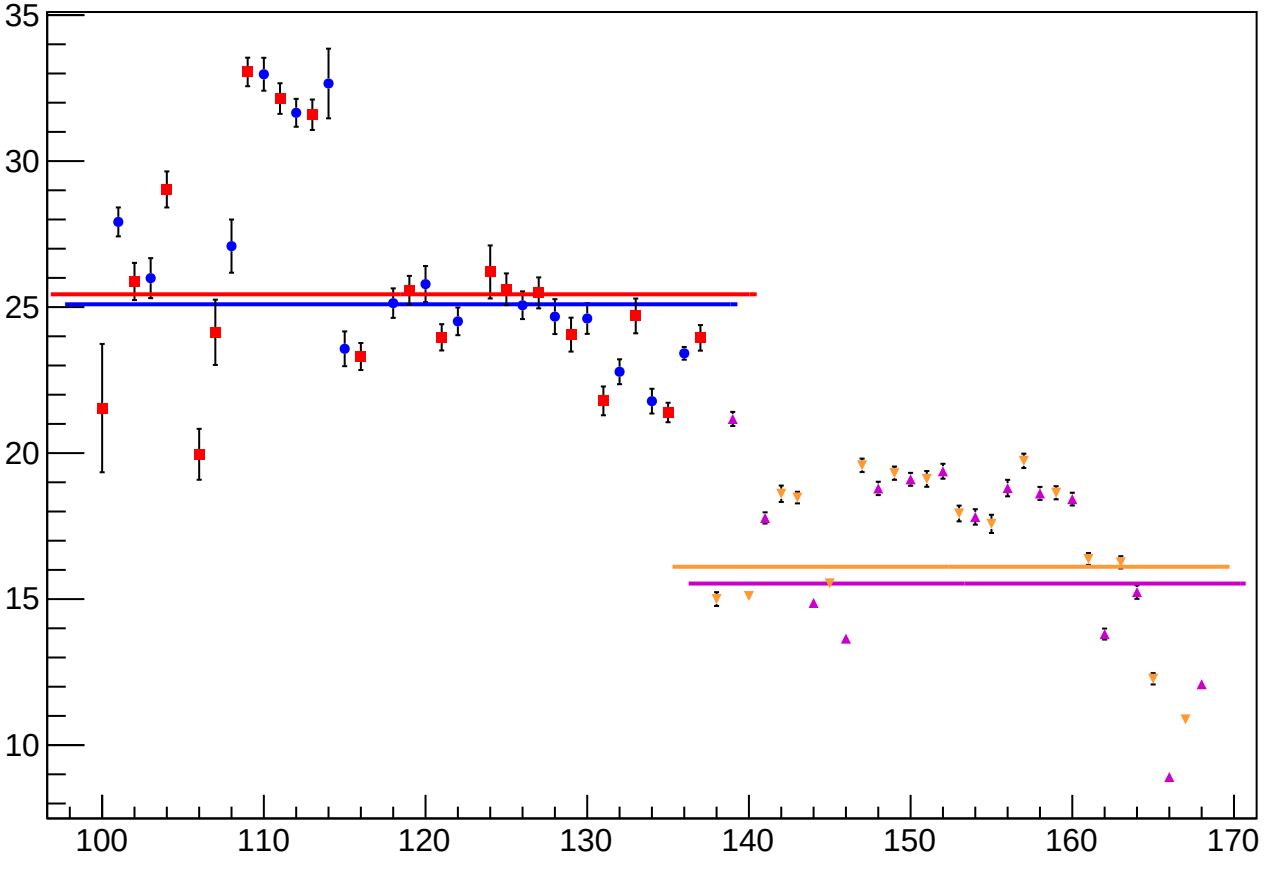
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.279+/-0.035 χ^2/NDF:1376.1/30

Out: 1.250+/-0.036 χ^2/NDF:1598.5/34

All: 1.264+/-0.025 χ^2/NDF: 2974.9/65

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: 16.108+/-0.052 χ^2/NDF:2896.4/15

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.533+/-0.052 χ^2/NDF:4314.7/14

Left: 15.817+/-0.037 χ^2/NDF: 7272.0/30

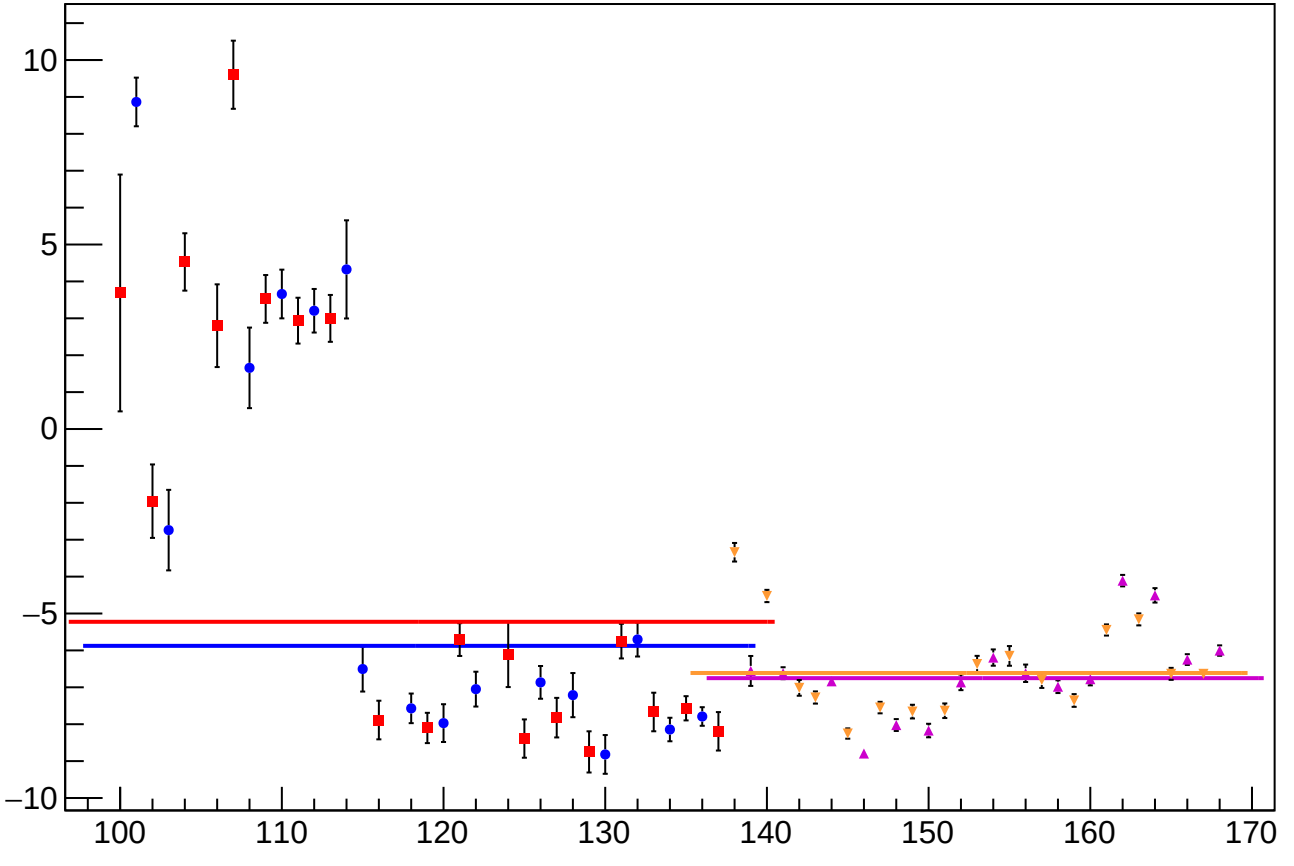
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 17.087+/-0.047 χ^2/NDF:10481.9/30

Out: 17.524+/-0.048 χ^2/NDF:8574.6/34

All: 17.301+/-0.034 χ^2/NDF: 19098.0/65

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: -6.612+/-0.043 χ^2/NDF:740.1/15

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.752+/-0.043 χ^2/NDF:882.7/14

Left: -6.682+/-0.031 χ^2/NDF: 1628.0/30

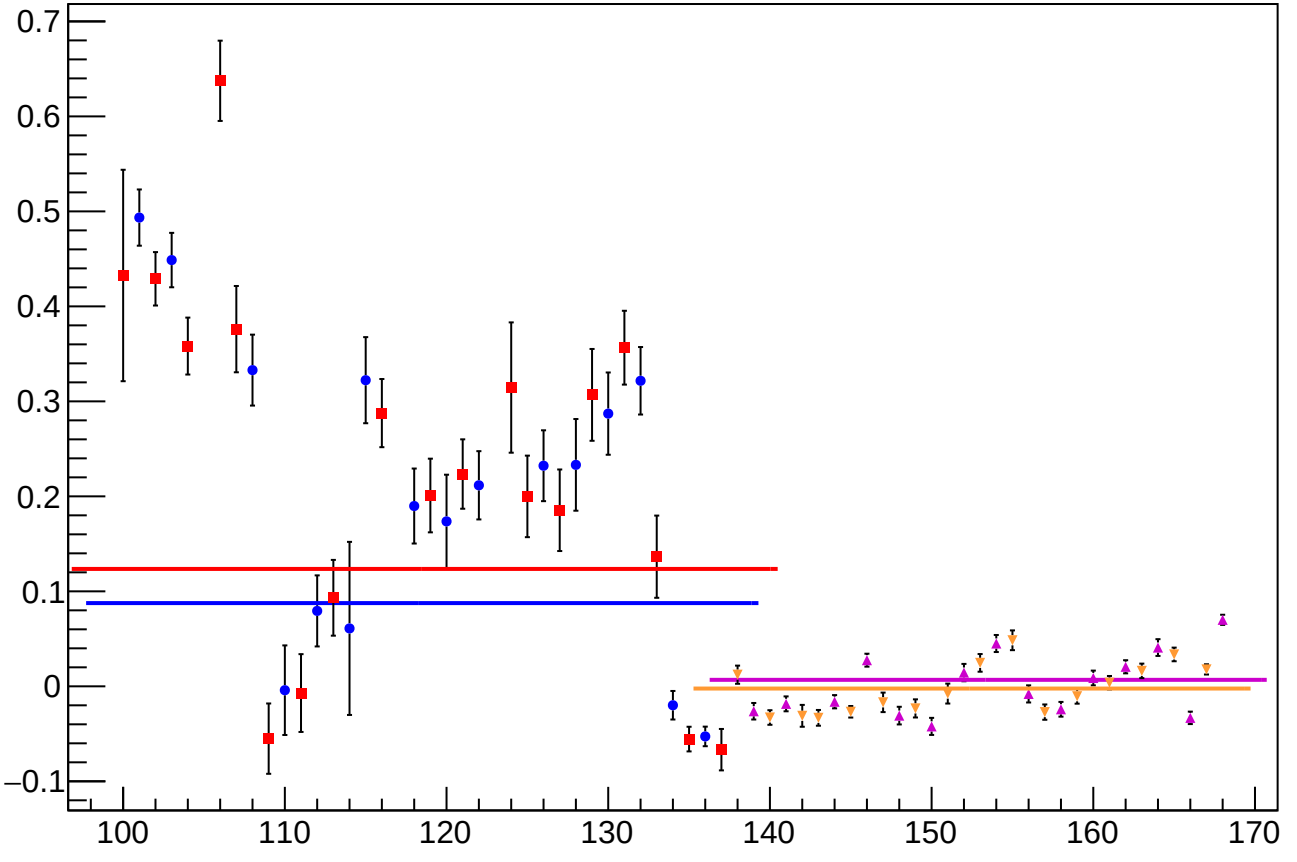
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.652+/-0.041 χ^2/NDF:2180.8/30

Out: -6.471+/-0.041 χ^2/NDF:2135.2/34

All: -6.563+/-0.029 χ^2/NDF: 4325.8/65

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: -0.002+/-0.002 χ^2/NDF:150.0/15

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.007+/-0.002 χ^2/NDF:325.3/14

Left: 0.002+/-0.001 χ^2/NDF: 486.0/30

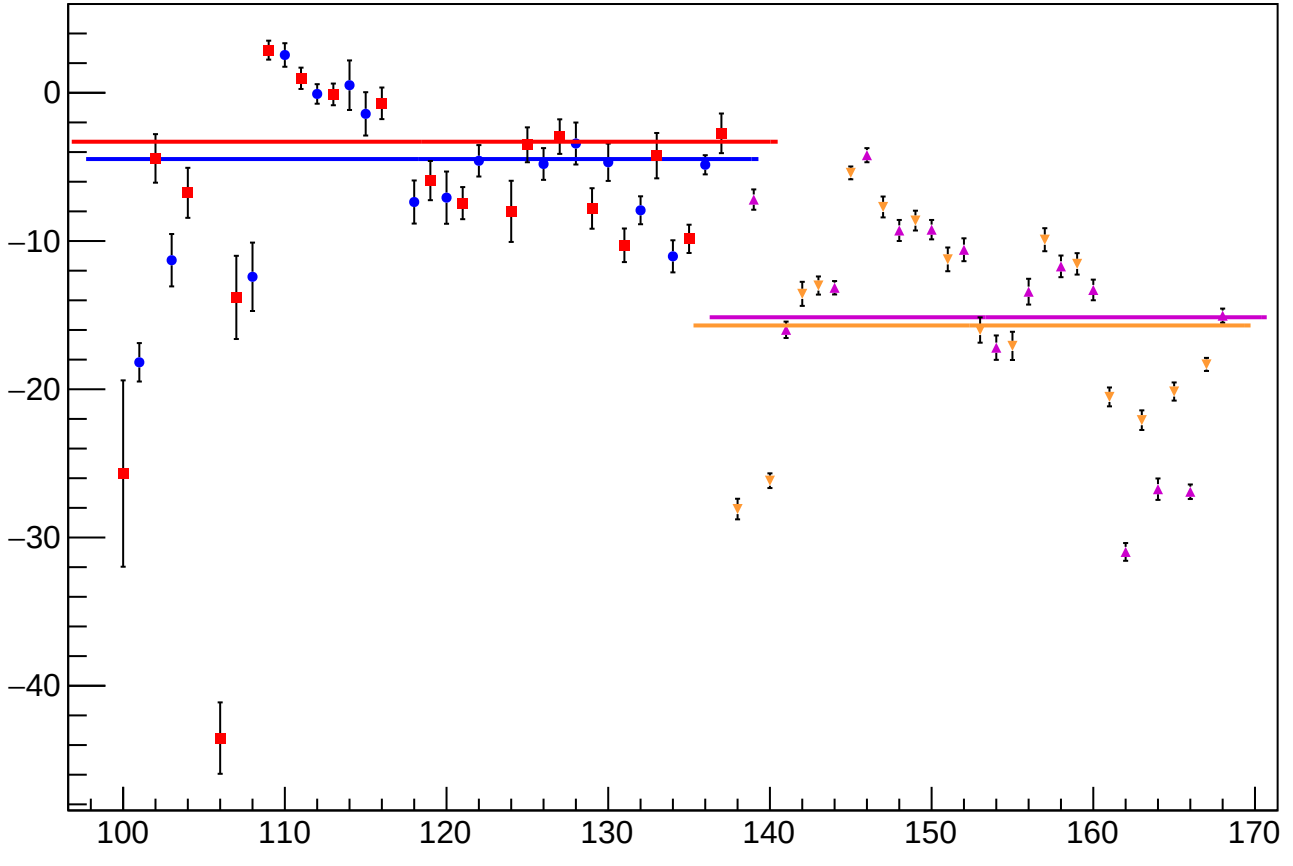
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.013+/-0.002 χ^2/NDF:1231.2/30

Out: 0.006+/-0.002 χ^2/NDF:1187.0/34

All: 0.010+/-0.001 χ^2/NDF: 2425.1/65

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: -15.696+/-0.158 χ^2/NDF:1956.8/15

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -15.142+/-0.157 χ^2/NDF:2436.2/14

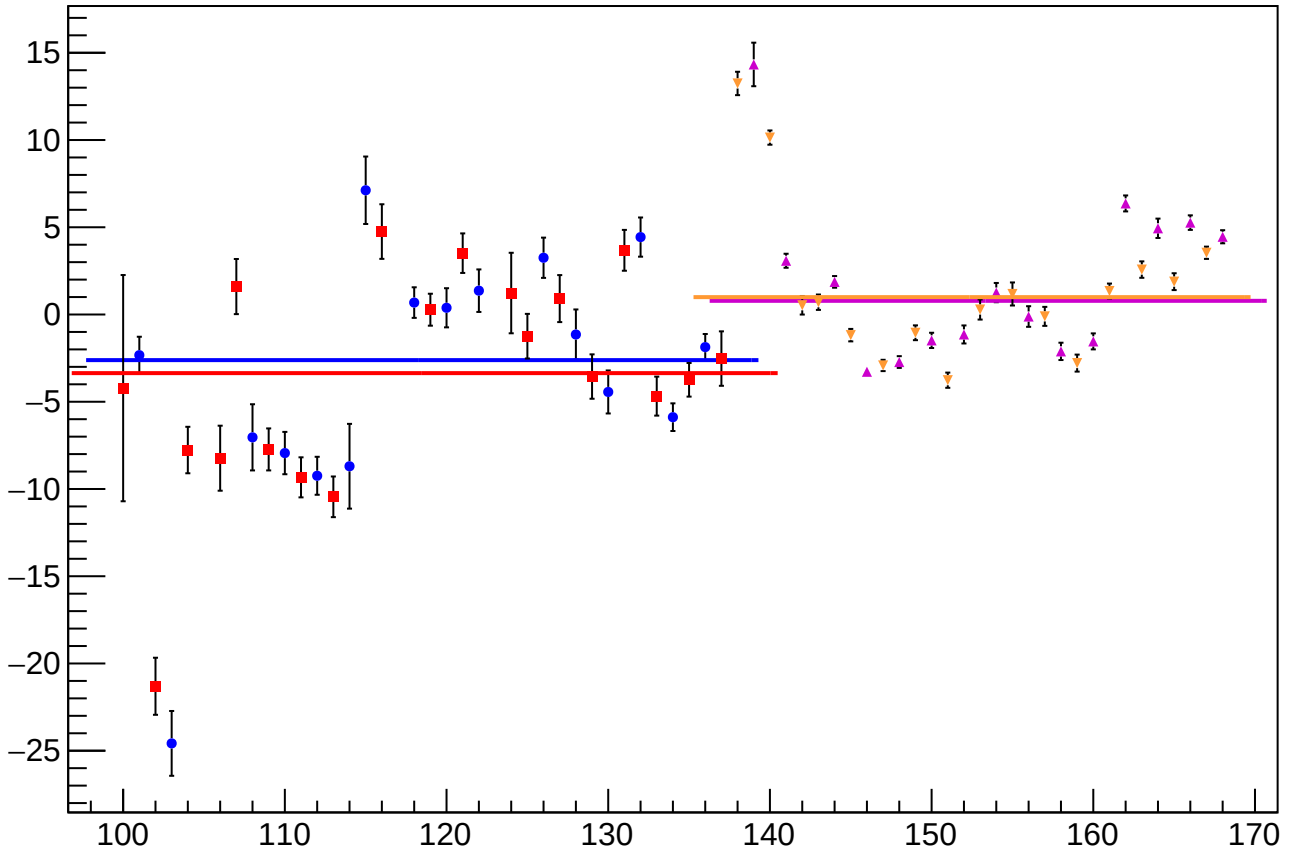
Left: -15.417+/-0.111 χ^2/NDF: 4399.2/30

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.428+/-0.135 χ^2/NDF:3946.5/30

Out: -12.370+/-0.135 χ^2/NDF:4193.5/34

All: -12.399+/-0.096 χ^2/NDF: 8140.1/65



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.996+/-0.112 χ^2/NDF:1294.0/15

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.784+/-0.111 χ^2/NDF:994.8/14

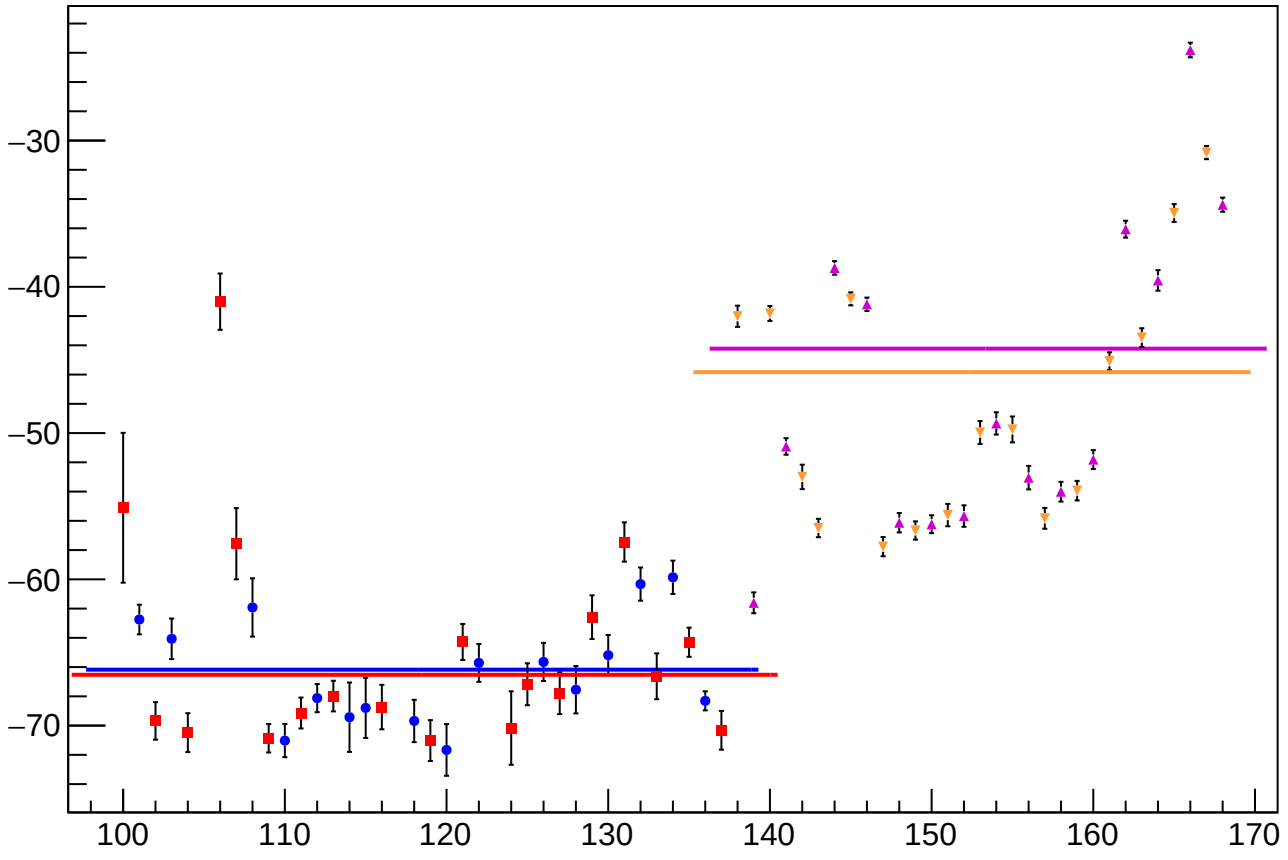
Left: 0.889+/-0.079 χ^2/NDF: 2290.6/30

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.342+/-0.103 χ^2/NDF:1469.8/30

Out: 0.462+/-0.105 χ^2/NDF:1840.1/34

All: 0.401+/-0.073 χ^2/NDF: 3310.5/65



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -45.834+/-0.156 χ^2/NDF:3198.9/15

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -44.228+/-0.154 χ^2/NDF:4703.6/14

Left: -45.020+/-0.109 χ^2/NDF: 7956.4/30

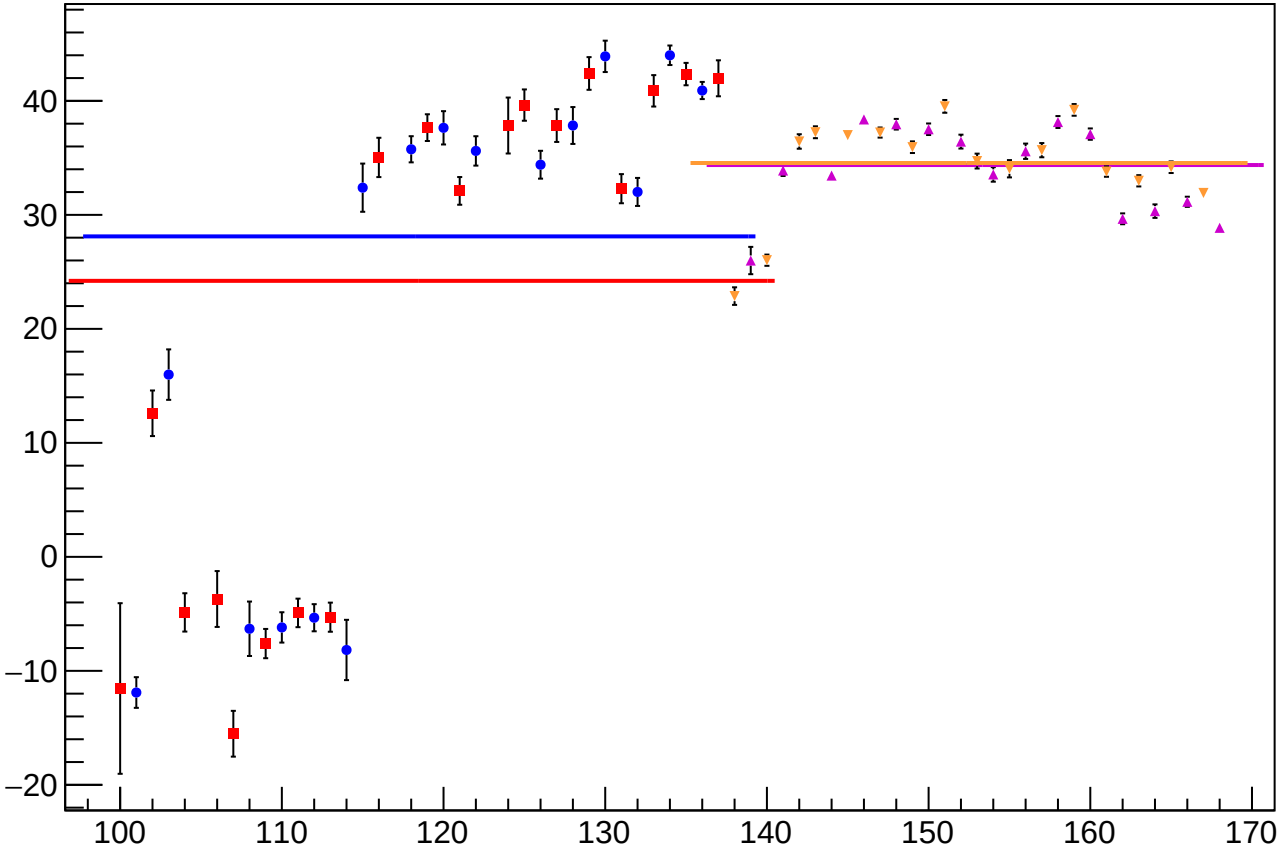
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -48.683+/-0.137 χ^2/NDF:8978.3/30

Out: -49.955+/-0.139 χ^2/NDF:7032.4/34

All: -49.309+/-0.098 χ^2/NDF: 16053.0/65

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.550+/-0.129 χ^2/NDF:868.5/15

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.372+/-0.128 χ^2/NDF:734.1/14

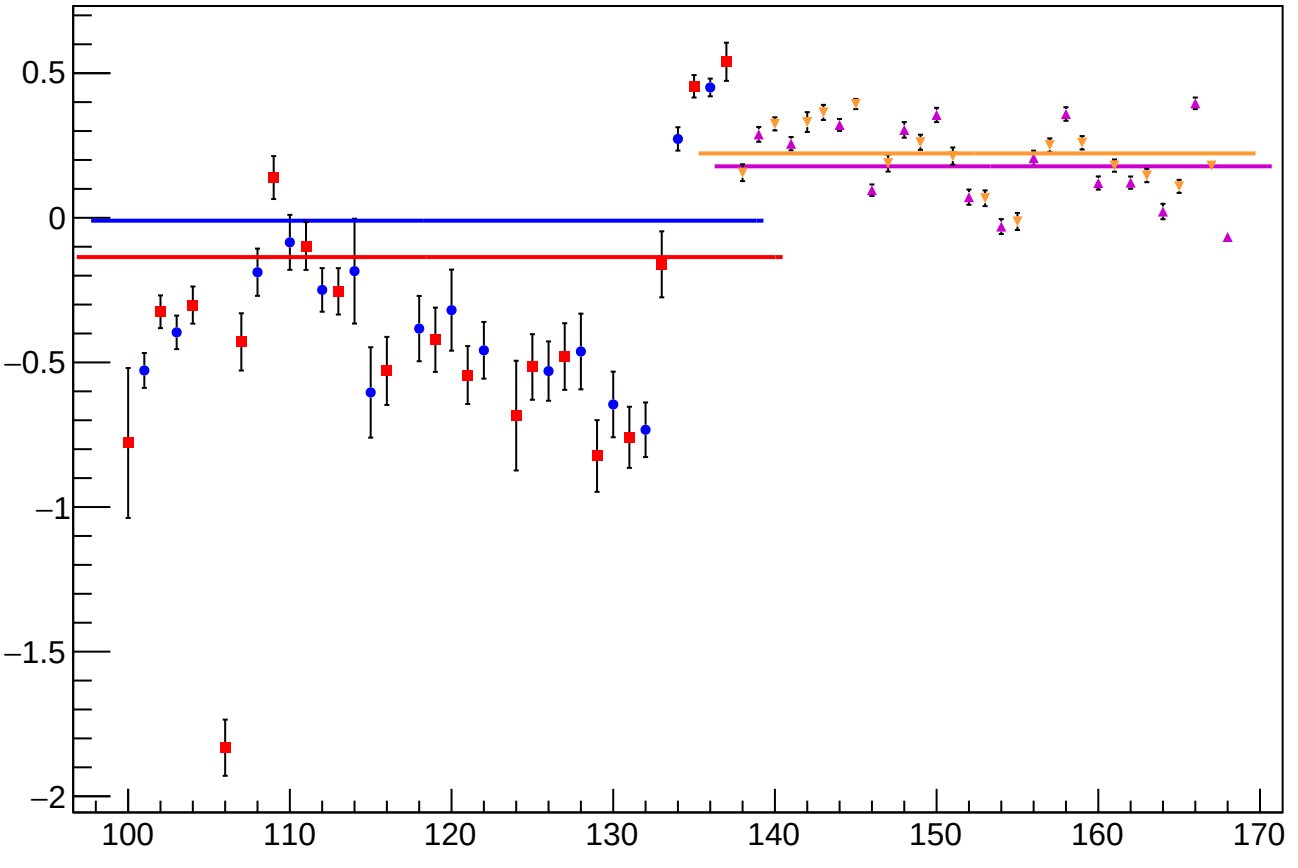
Left: 34.460+/-0.091 χ^2/NDF: 1603.6/30

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.503+/-0.119 χ^2/NDF:4791.4/30

Out: 33.218+/-0.120 χ^2/NDF:5536.9/34

All: 33.362+/-0.085 χ^2/NDF: 10331.1/65



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.223+/-0.006 χ^2/NDF:309.1/15

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.178+/-0.006 χ^2/NDF:695.6/14

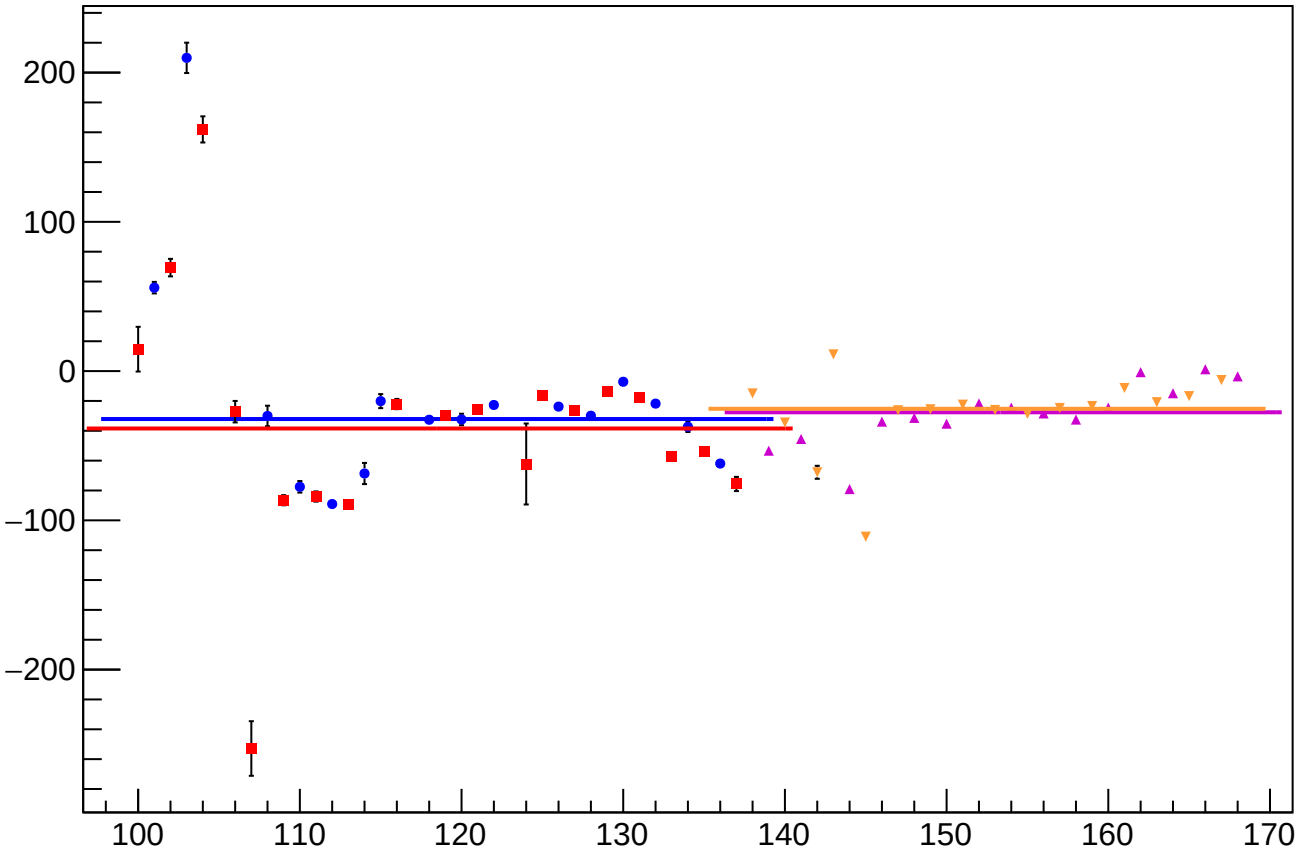
Left: 0.200+/-0.004 χ^2/NDF: 1033.4/30

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.159+/-0.006 χ^2/NDF:1388.5/30

Out: 0.190+/-0.006 χ^2/NDF:1457.2/34

All: 0.174+/-0.004 χ^2/NDF: 2861.5/65



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -25.253+/-0.718 χ^2/NDF:1064.9/15

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -27.602+/-0.720 χ^2/NDF:811.1/14

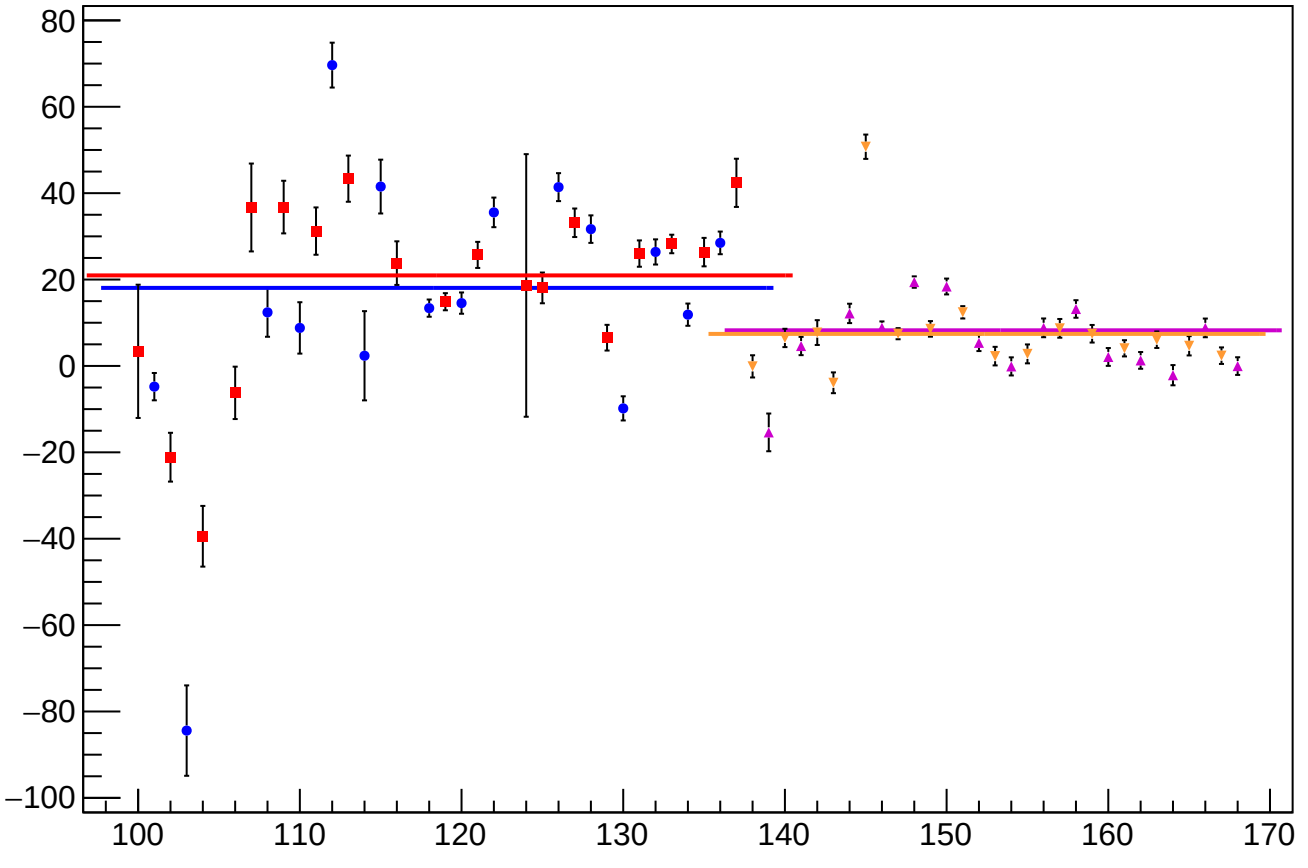
Left: -26.424+/-0.508 χ^2/NDF: 1881.4/30

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -29.508+/-0.548 χ^2/NDF:2705.2/30

Out: -30.644+/-0.552 χ^2/NDF:3175.6/34

All: -30.071+/-0.389 χ^2/NDF: 5882.9/65



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.416+/-0.494 χ^2/NDF:303.0/15

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.248+/-0.506 χ^2/NDF:219.8/14

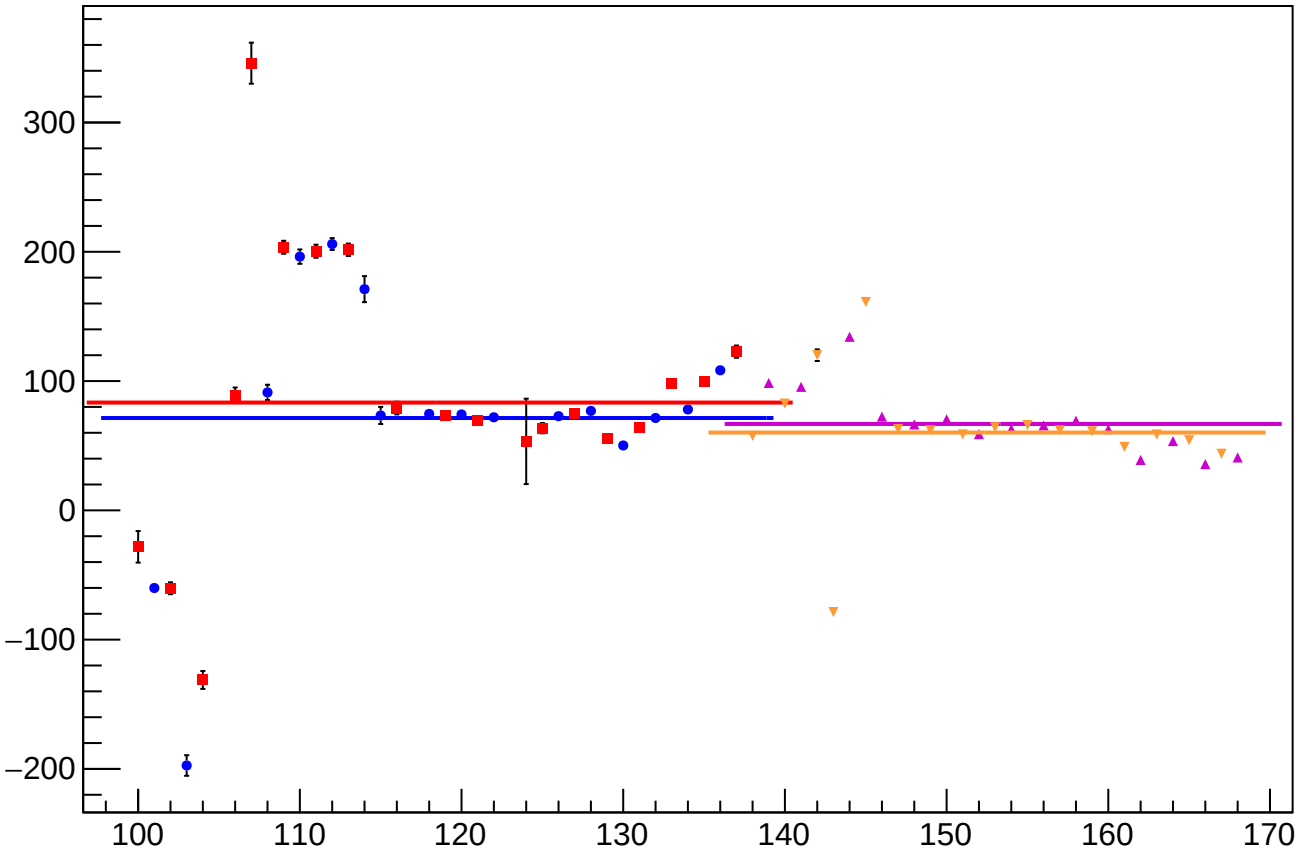
Left: 7.822+/-0.353 χ^2/NDF: 524.2/30

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.941+/-0.431 χ^2/NDF:822.8/30

Out: 10.726+/-0.429 χ^2/NDF:749.4/34

All: 10.833+/-0.304 χ^2/NDF: 1572.3/65



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 60.190+/-0.699 χ^2/NDF:2964.7/15

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 66.824+/-0.699 χ^2/NDF:1132.6/14

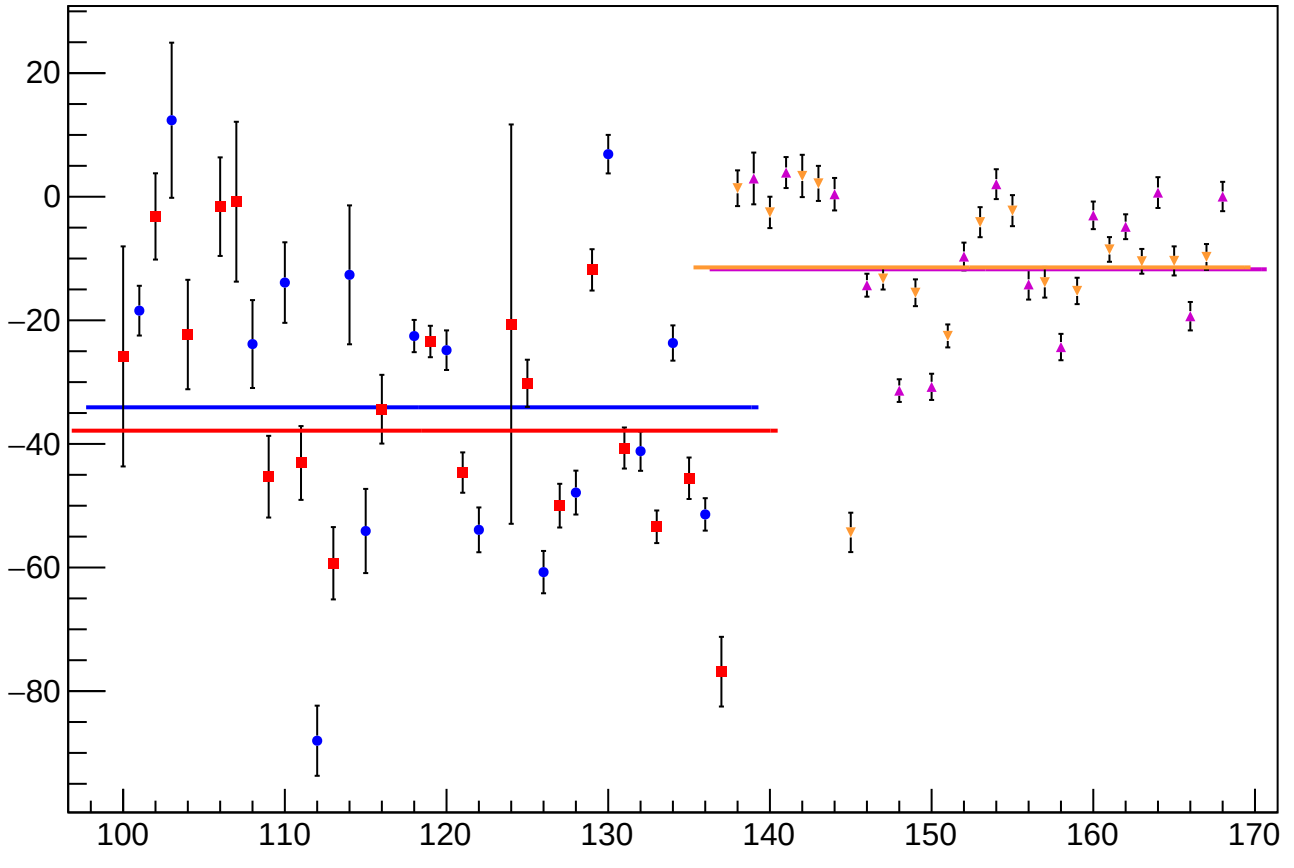
Left: 63.506+/-0.494 χ^2/NDF: 4142.3/30

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 68.482+/-0.559 χ^2/NDF:5967.7/30

Out: 67.959+/-0.570 χ^2/NDF:7630.7/34

All: 68.226+/-0.399 χ^2/NDF: 13598.8/65



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.436+/-0.575 χ^2/NDF:324.5/15

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -11.743+/-0.587 χ^2/NDF:425.8/14

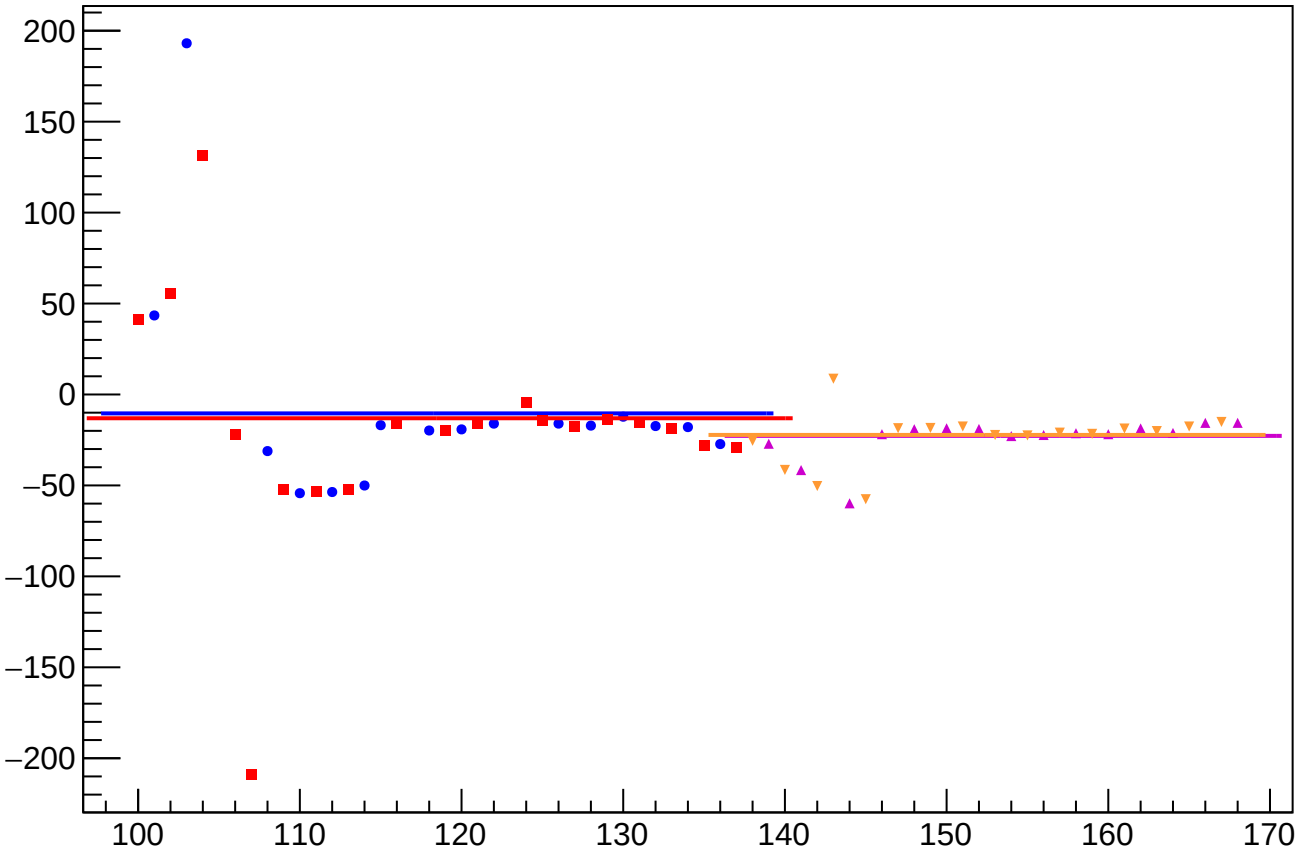
Left: -11.586+/-0.411 χ^2/NDF: 750.5/30

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -17.993+/-0.498 χ^2/NDF:1341.7/30

Out: -18.063+/-0.498 χ^2/NDF:1128.6/34

All: -18.028+/-0.352 χ^2/NDF: 2470.3/65



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.240+/-0.026 χ^2/NDF:190952.2/15

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -22.761+/-0.026 χ^2/NDF:114926.8/14

Left: -22.502+/-0.019 χ^2/NDF: 306076.6/30

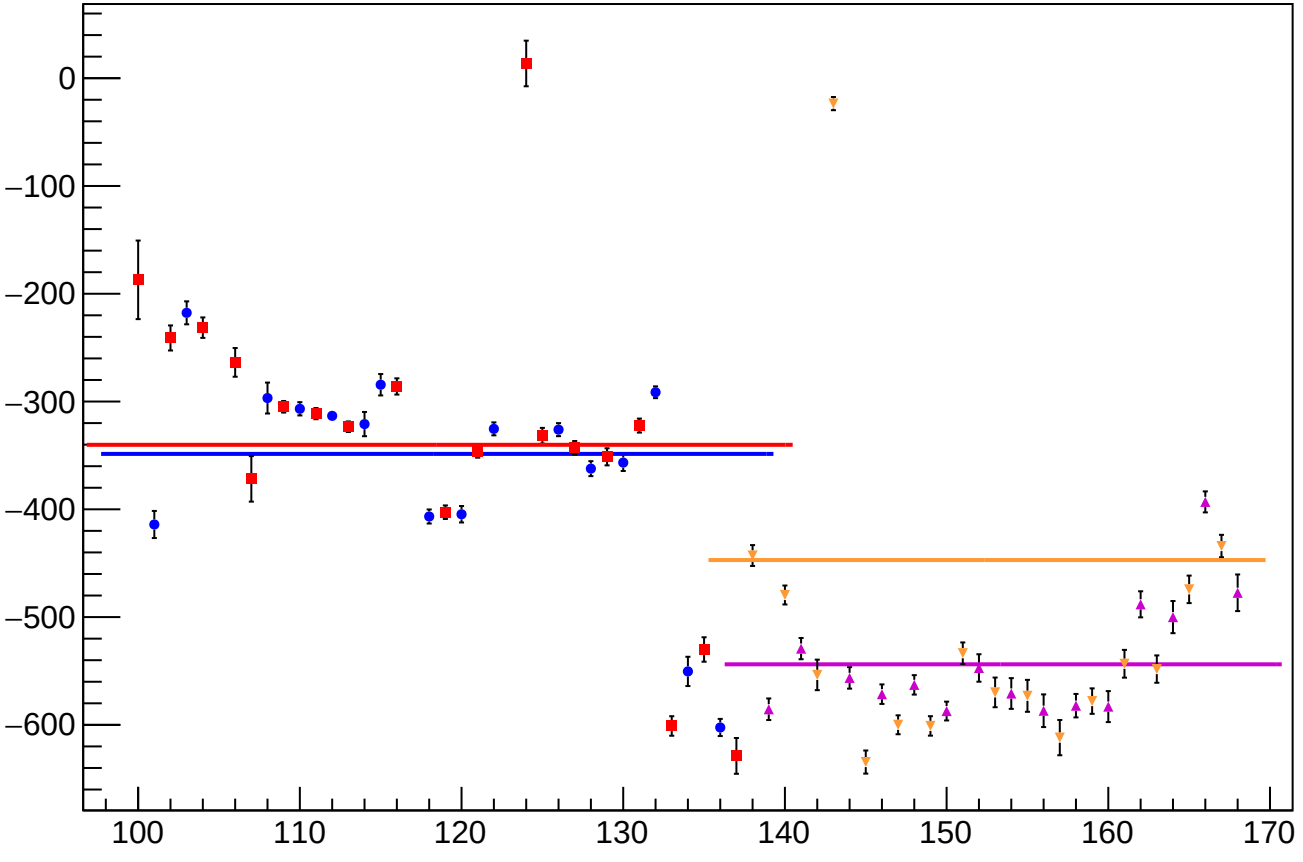
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -20.606+/-0.024 χ^2/NDF:676338.2/30

Out: -20.864+/-0.024 χ^2/NDF:658772.9/34

All: -20.732+/-0.017 χ^2/NDF: 1335168.9/65

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.068+/-2.604 χ^2/NDF:6332.3/15

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -543.811+/-2.864 χ^2/NDF:374.8/14

Left: -490.843+/-1.926 χ^2/NDF: 7331.9/30

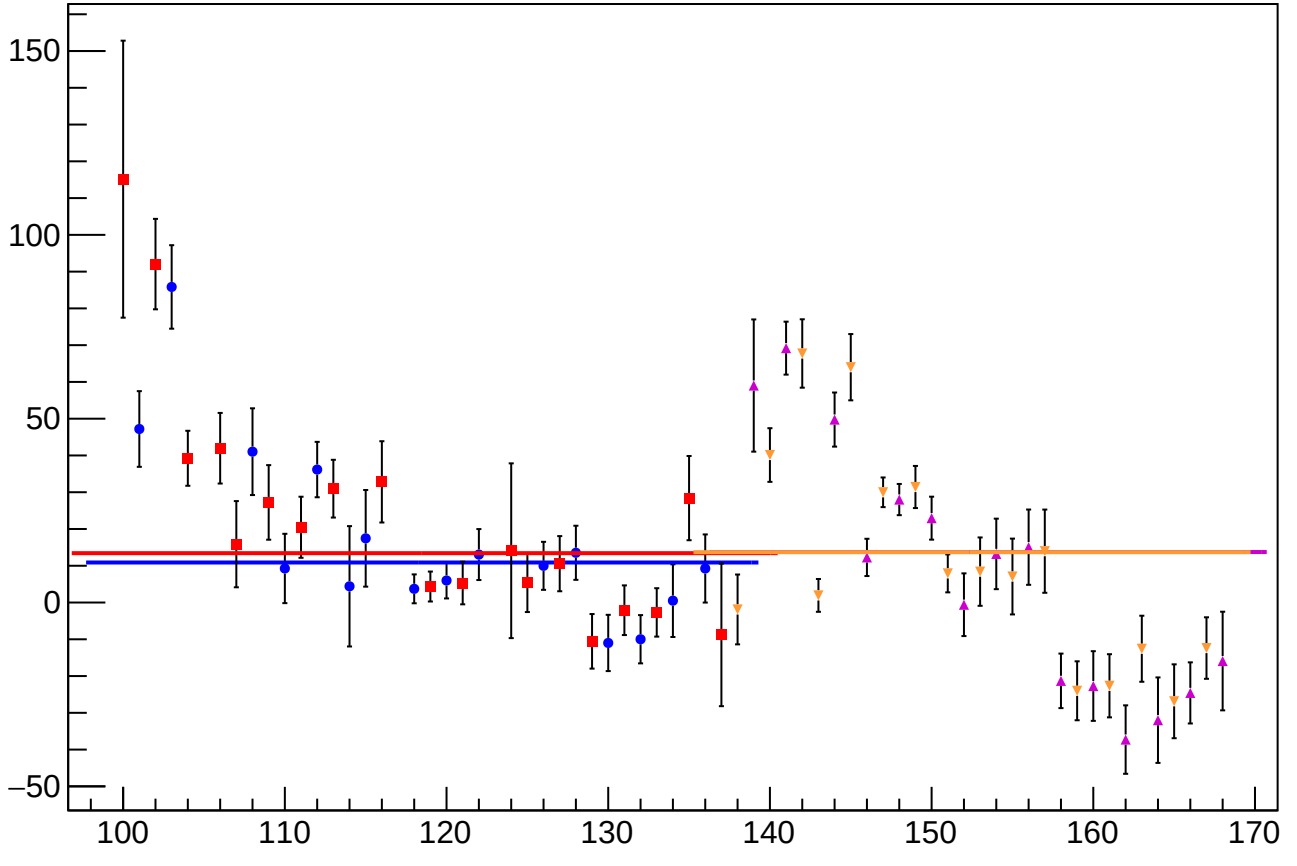
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -404.951+/-1.539 χ^2/NDF:5538.2/30

Out: -373.664+/-1.458 χ^2/NDF:9687.3/34

All: -388.461+/-1.058 χ^2/NDF: 15443.3/65

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.699+/-1.747 χ^2/NDF:190.1/15

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 13.736+/-1.935 χ^2/NDF:215.1/14

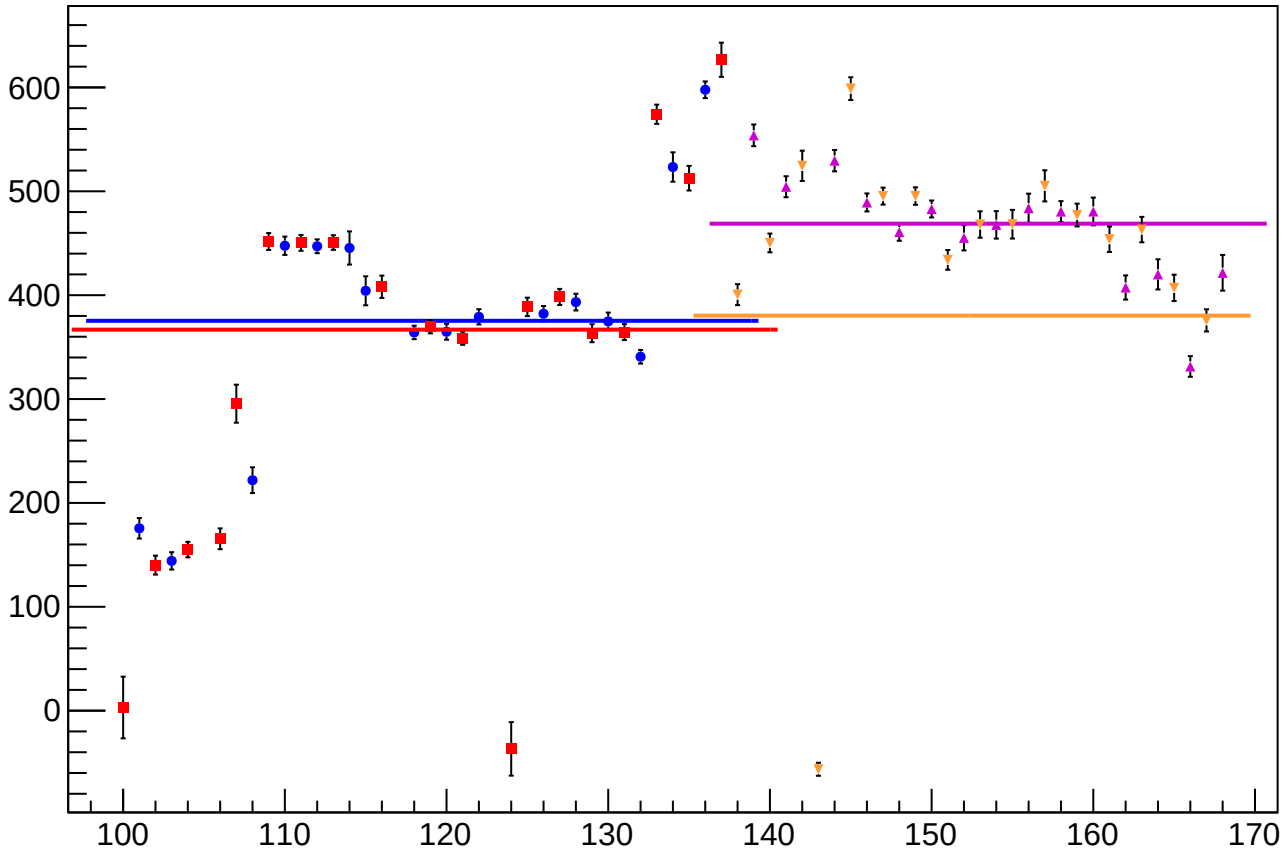
Left: 13.716+/-1.297 χ^2/NDF: 405.2/30

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.242+/-1.334 χ^2/NDF:314.5/30

Out: 13.571+/-1.271 χ^2/NDF:302.5/34

All: 12.939+/-0.921 χ^2/NDF: 617.5/65



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.327+/-2.558 χ^2/NDF:6107.6/15

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 468.842+/-2.778 χ^2/NDF:365.2/14

Left: 420.933+/-1.882 χ^2/NDF: 7022.3/30

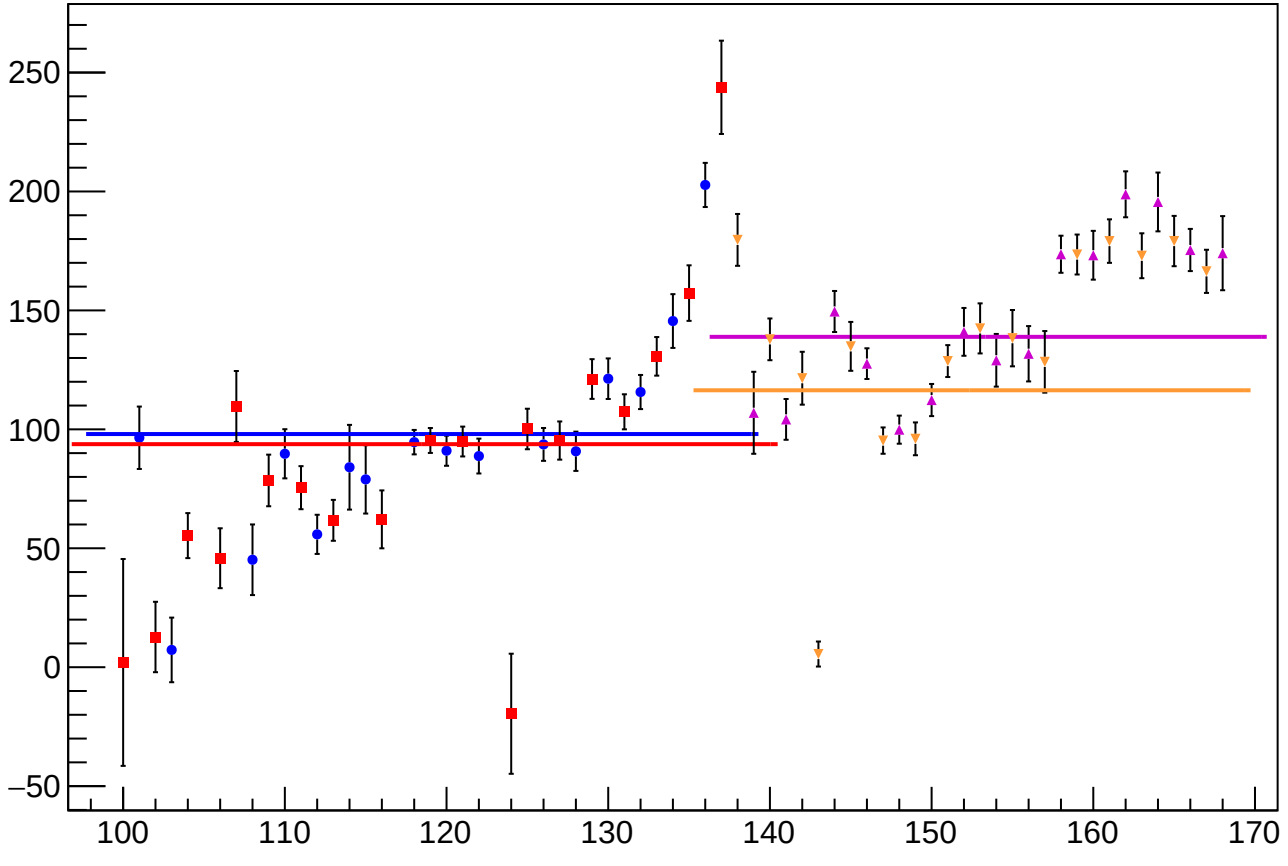
Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 409.385+/-1.677 χ^2/NDF:3535.2/30

Out: 372.107+/-1.599 χ^2/NDF:9665.7/34

All: 389.867+/-1.157 χ^2/NDF: 13459.7/65

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 116.419+/-2.078 χ^2/NDF:718.6/15

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 138.888+/-2.292 χ^2/NDF:197.2/14

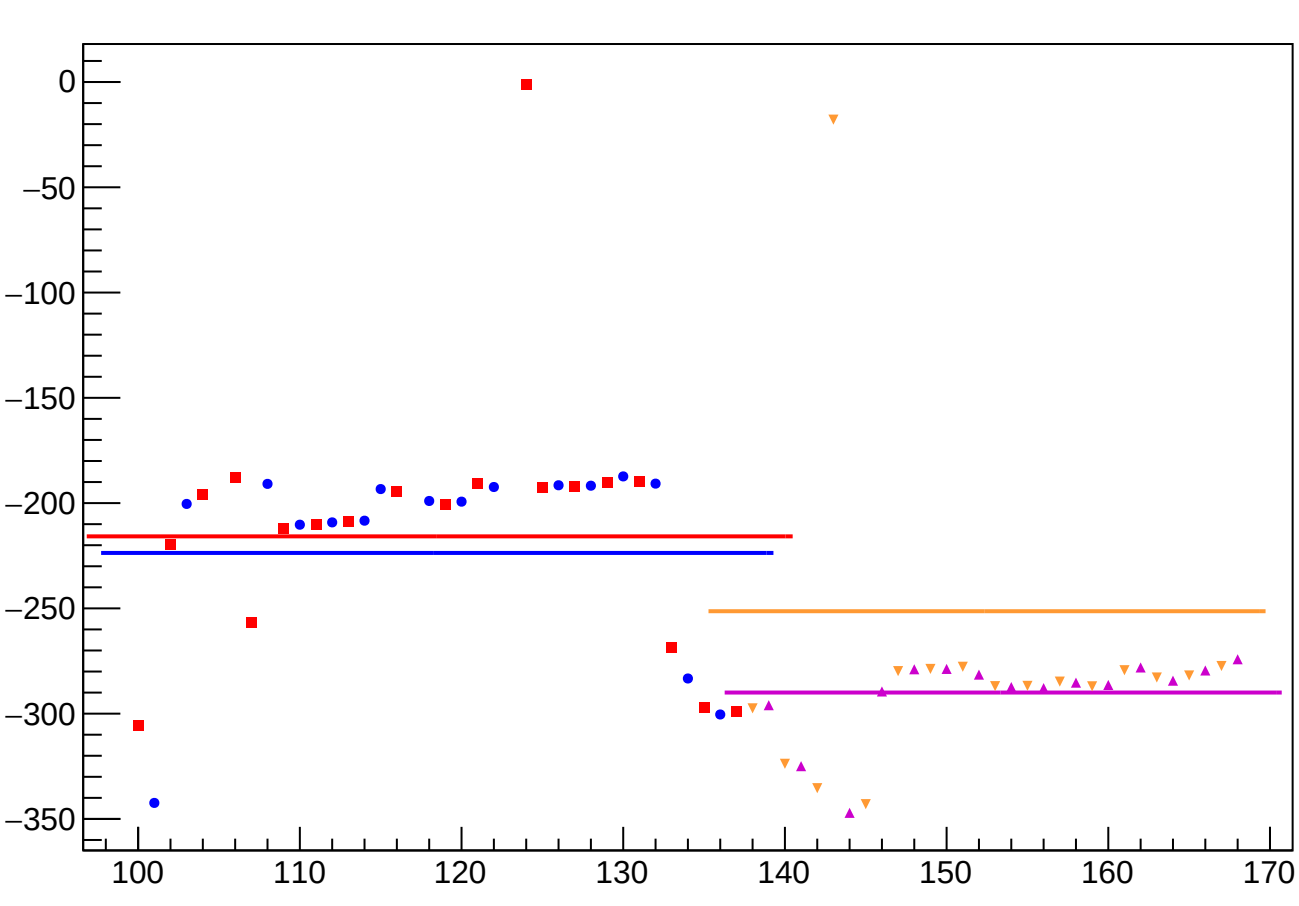
Left: 126.559+/-1.539 χ^2/NDF: 968.6/30

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 117.097+/-1.566 χ^2/NDF:616.3/30

Out: 105.418+/-1.490 χ^2/NDF:1013.5/34

All: 110.970+/-1.080 χ^2/NDF: 1658.9/65



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -251.352+/-0.100 χ^2/NDF:968307.8/15

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -289.974+/-0.107 χ^2/NDF:27896.1/14

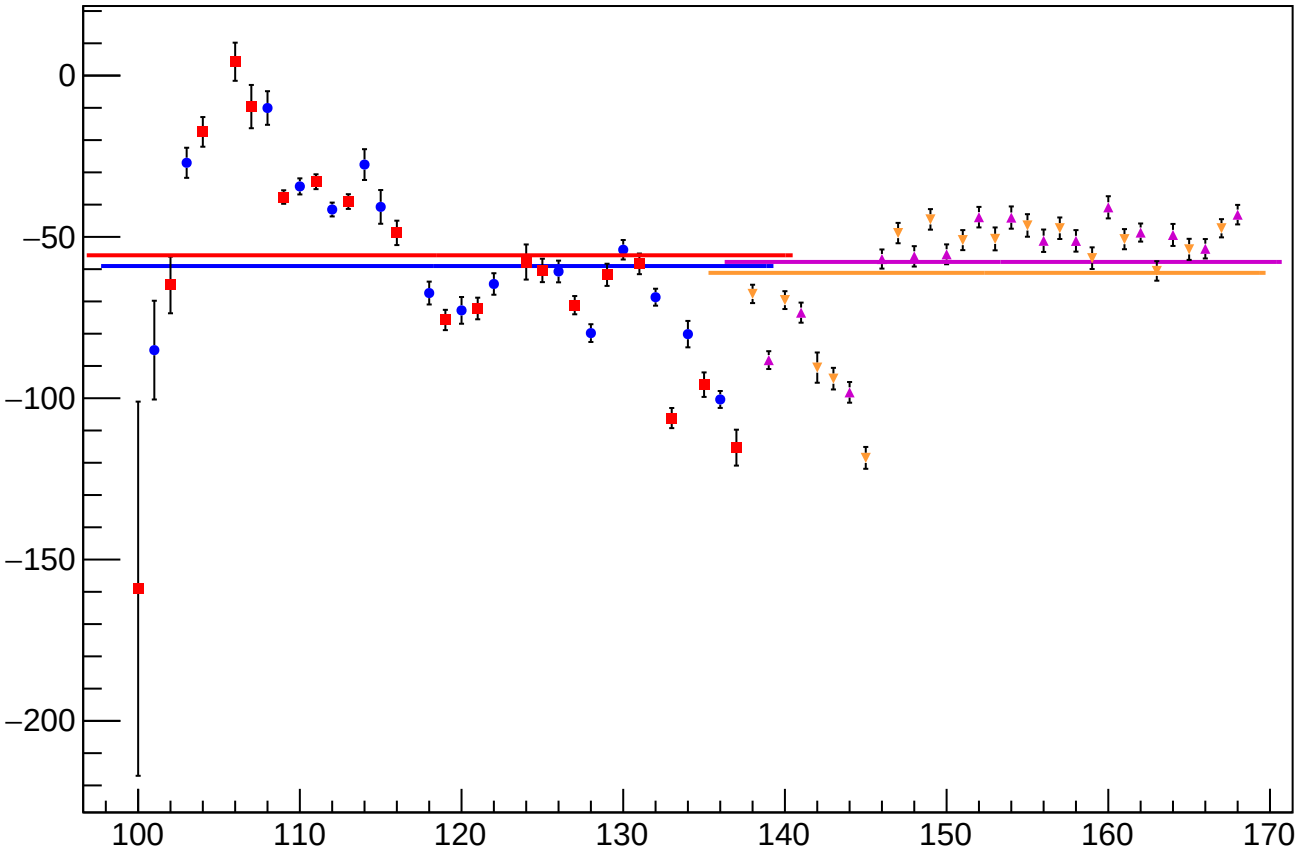
Left: -269.447+/-0.073 χ^2/NDF: 1066062.7/30

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -265.279+/-0.084 χ^2/NDF:293712.8/30

Out: -238.667+/-0.080 χ^2/NDF:1094907.3/34

All: -251.298+/-0.058 χ^2/NDF: 1440859.3/65



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -61.143+/-0.803 χ^2/NDF:574.8/15

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -57.758+/-0.810 χ^2/NDF:415.3/14

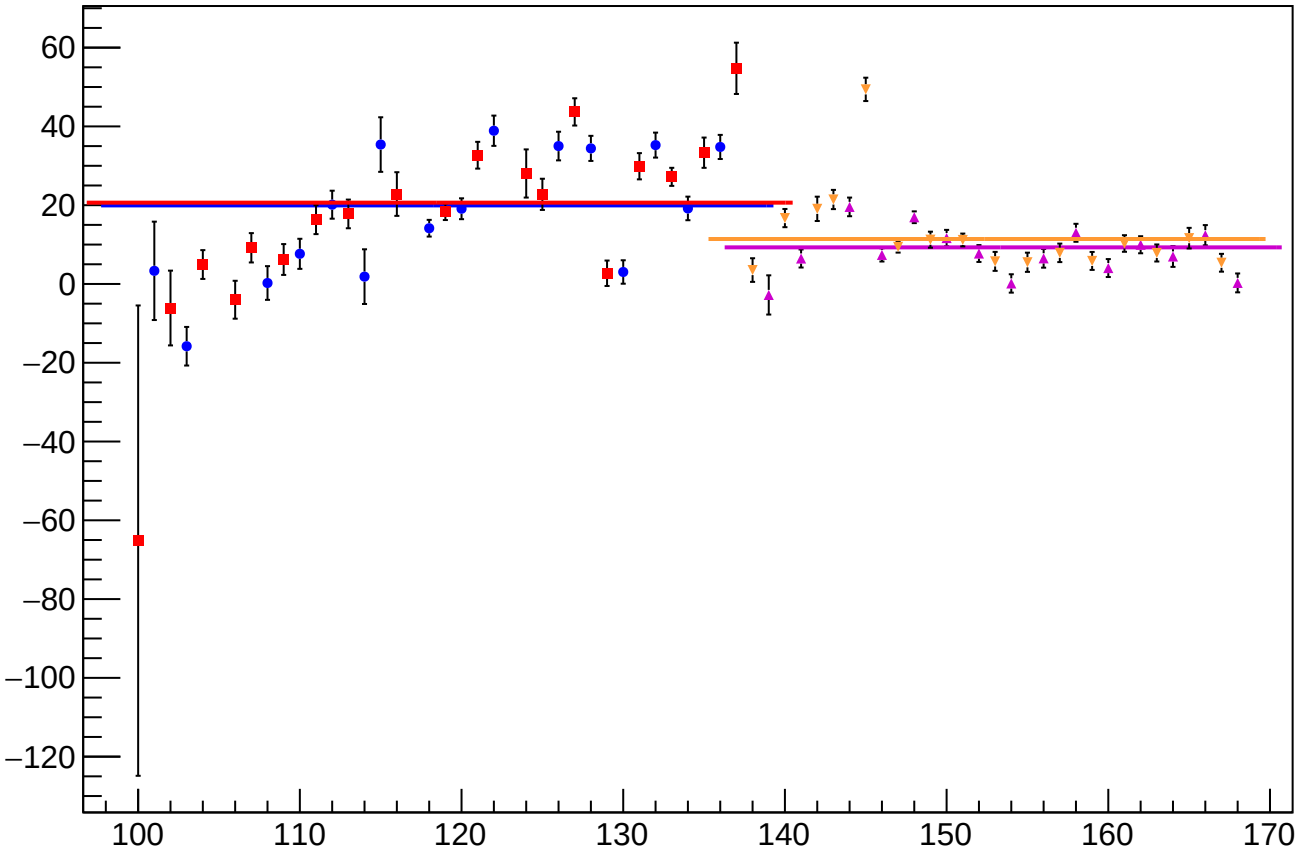
Left: -59.465+/-0.570 χ^2/NDF: 999.0/30

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.379+/-0.579 χ^2/NDF:1143.8/30

Out: -58.377+/-0.563 χ^2/NDF:1639.3/34

All: -58.378+/-0.404 χ^2/NDF: 2783.2/65



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.415+/-0.553 χ^2/NDF:231.1/15

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.292+/-0.569 χ^2/NDF:96.9/14

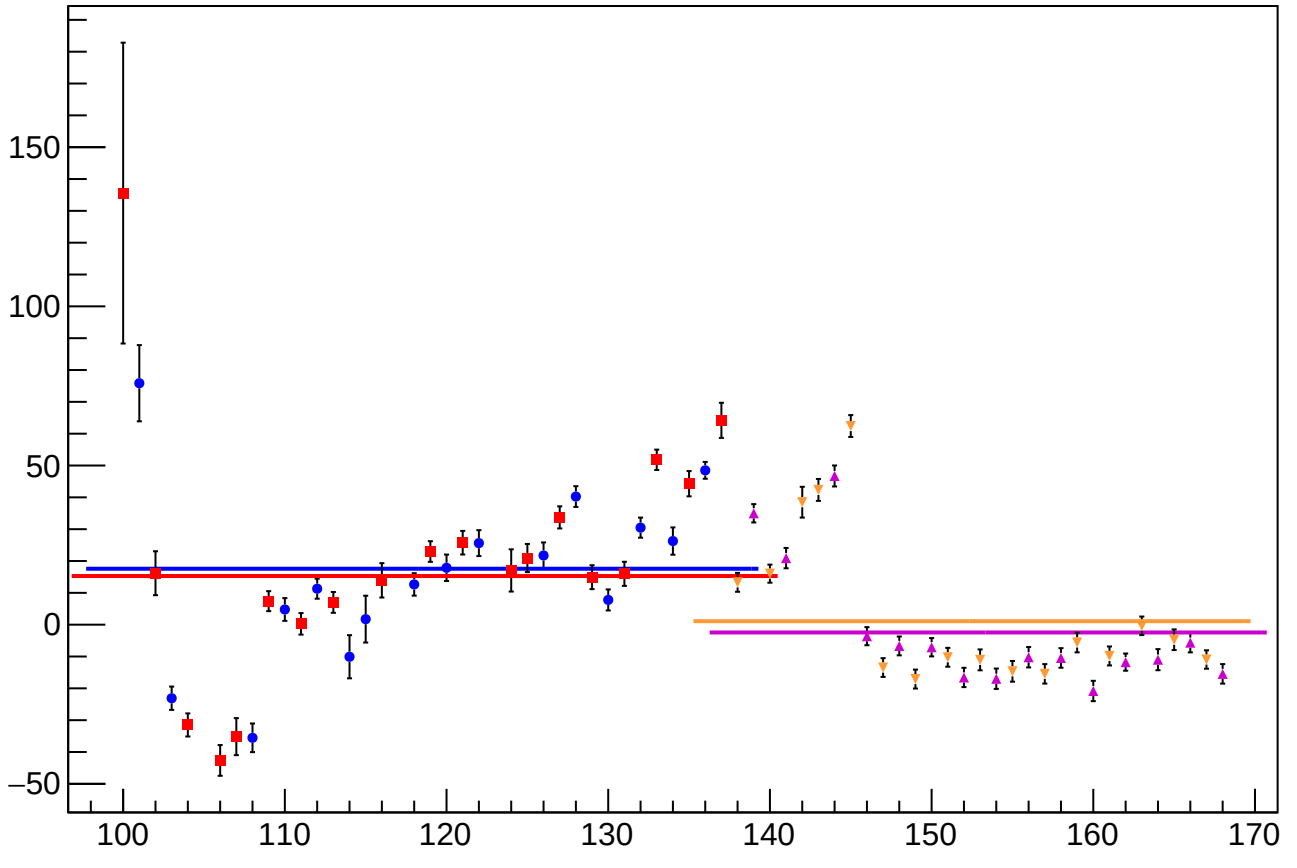
Left: 10.383+/-0.396 χ^2/NDF: 335.1/30

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.493+/-0.475 χ^2/NDF:449.6/30

Out: 14.185+/-0.462 χ^2/NDF:539.5/34

All: 13.363+/-0.331 χ^2/NDF: 995.6/65



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 1.101+/-0.782 χ^2/NDF:747.8/15

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -2.450+/-0.786 χ^2/NDF:575.3/14

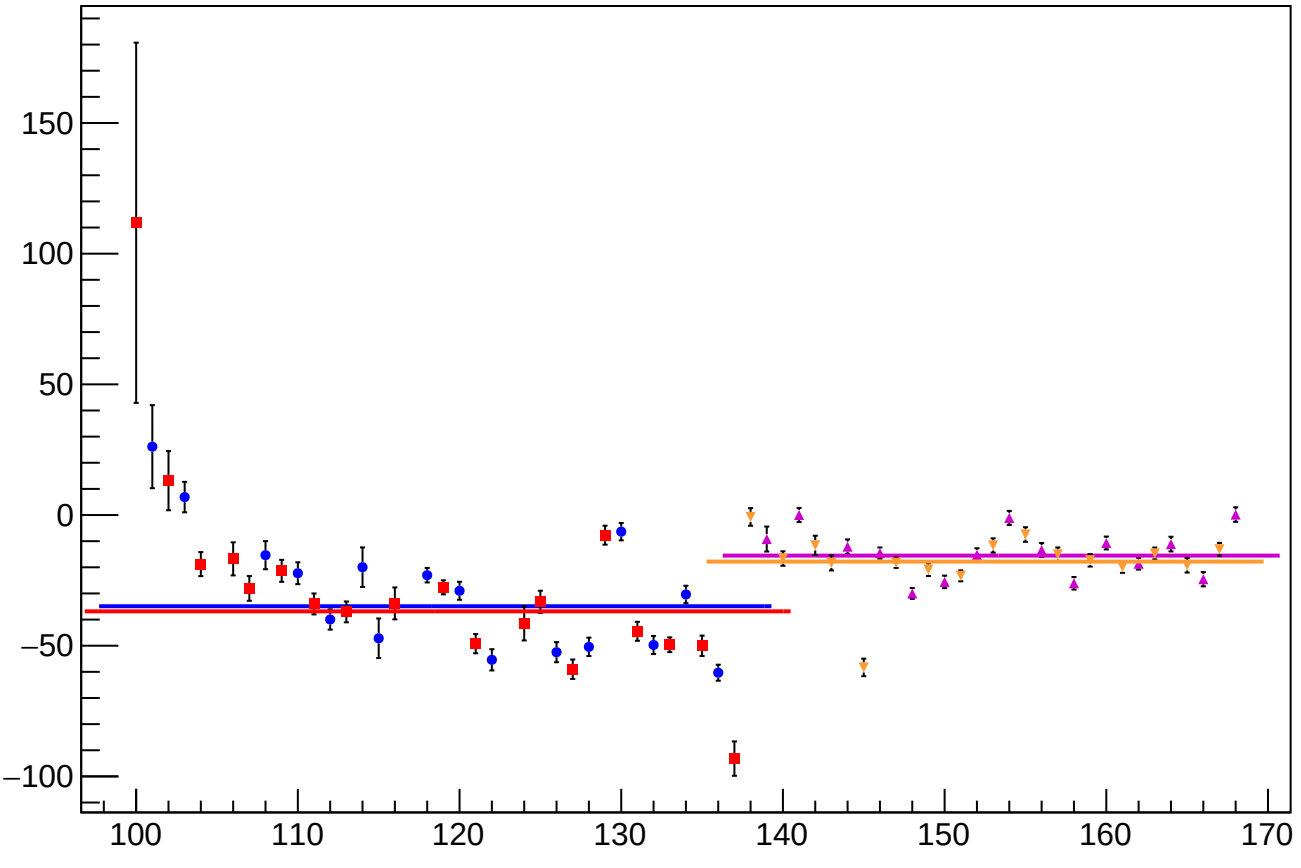
Left: -0.665+/-0.554 χ^2/NDF: 1333.4/30

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 5.622+/-0.607 χ^2/NDF:1383.0/30

Out: 6.948+/-0.600 χ^2/NDF:1613.4/34

All: 6.293+/-0.427 χ^2/NDF: 2998.8/65



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.808+/-0.644 χ^2/NDF:209.3/15

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.527+/-0.660 χ^2/NDF:202.5/14

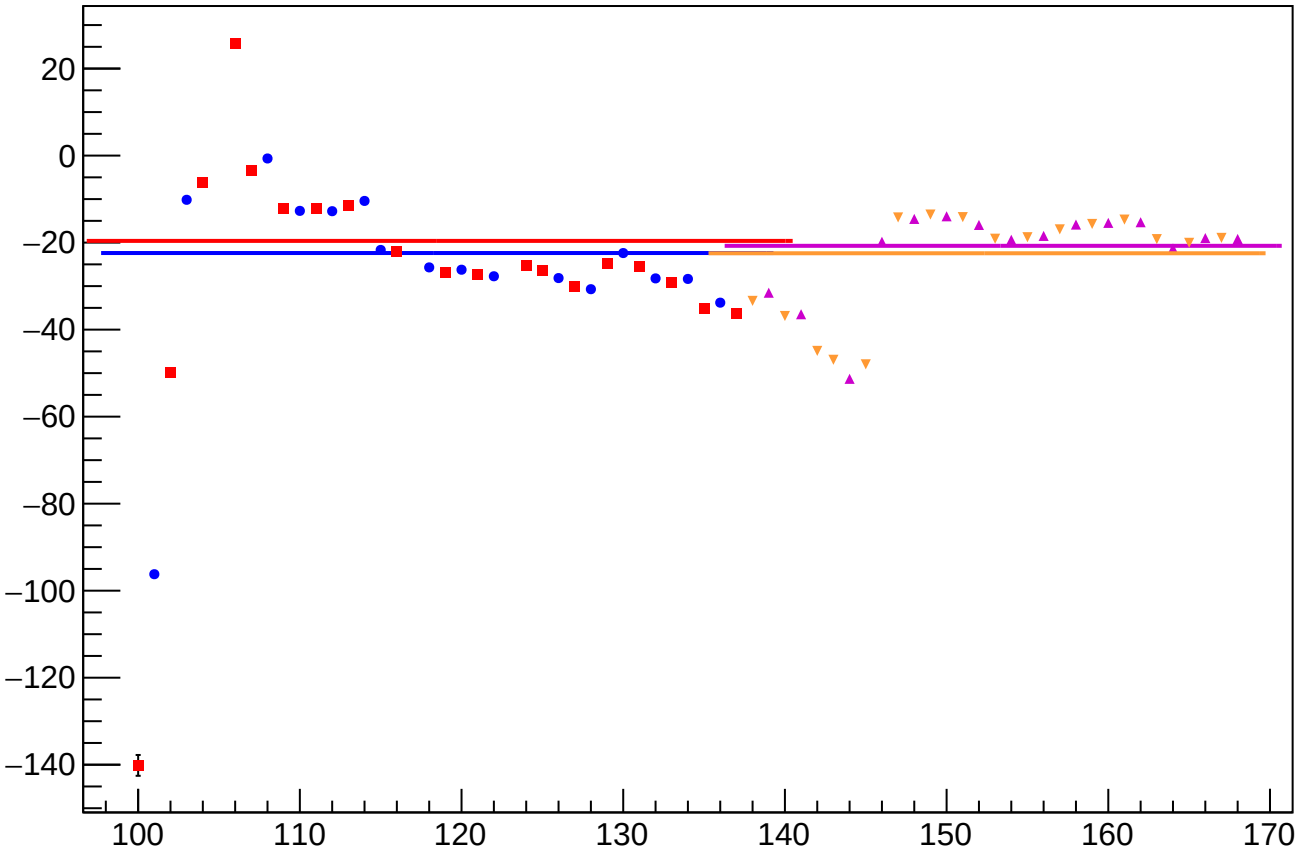
Left: -16.695+/-0.461 χ^2/NDF: 418.0/30

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.483+/-0.549 χ^2/NDF:814.2/30

Out: -23.636+/-0.536 χ^2/NDF:778.6/34

All: -22.585+/-0.384 χ^2/NDF: 1600.6/65



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.449+/-0.029 χ^2/NDF:130796.4/15

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.738+/-0.029 χ^2/NDF:84873.3/14

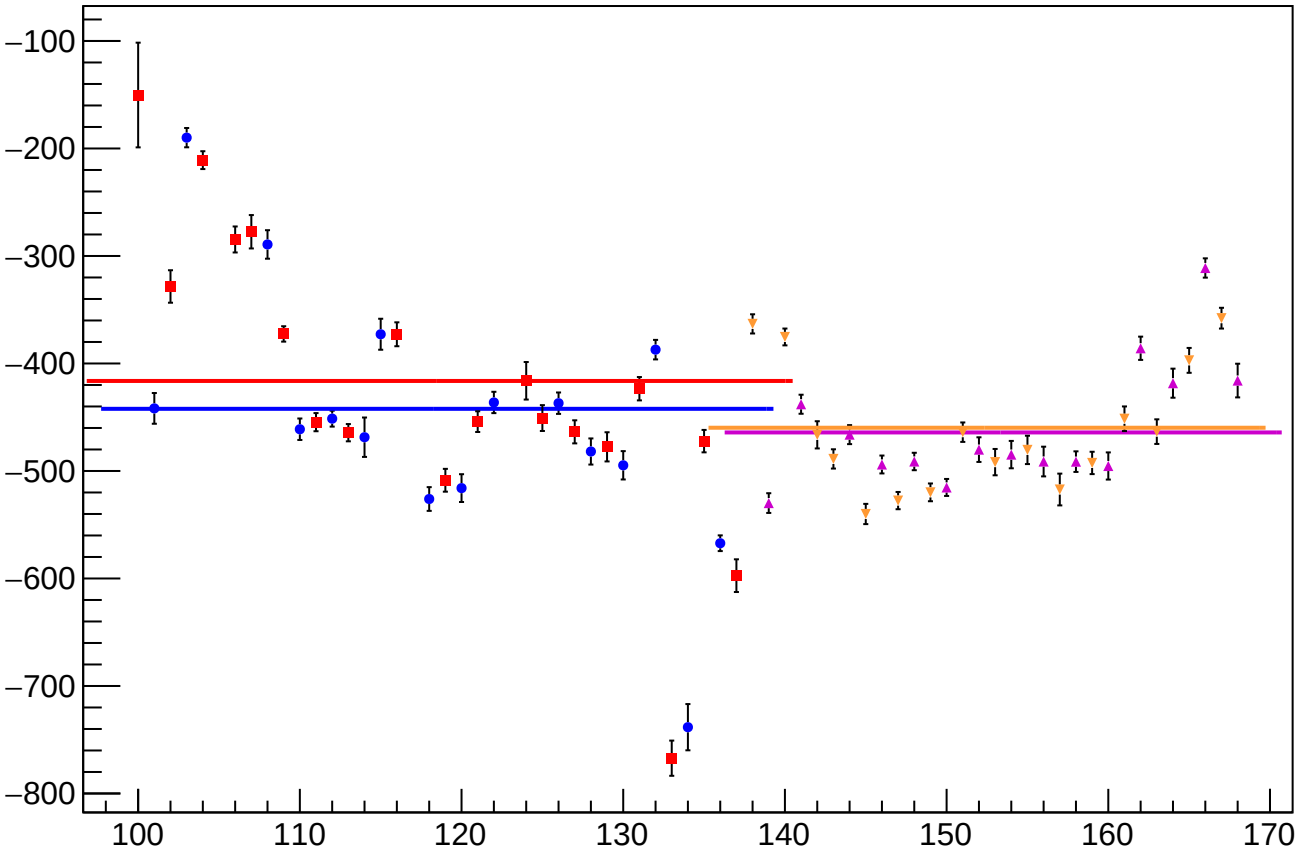
Left: -21.590+/-0.021 χ^2/NDF: 217363.1/30

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.072+/-0.026 χ^2/NDF:132037.1/30

Out: -21.888+/-0.026 χ^2/NDF:216498.6/34

All: -21.477+/-0.019 χ^2/NDF: 349016.5/65



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -459.774+/-2.493 χ^2/NDF:616.9/15

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -464.153+/-2.583 χ^2/NDF:512.3/14

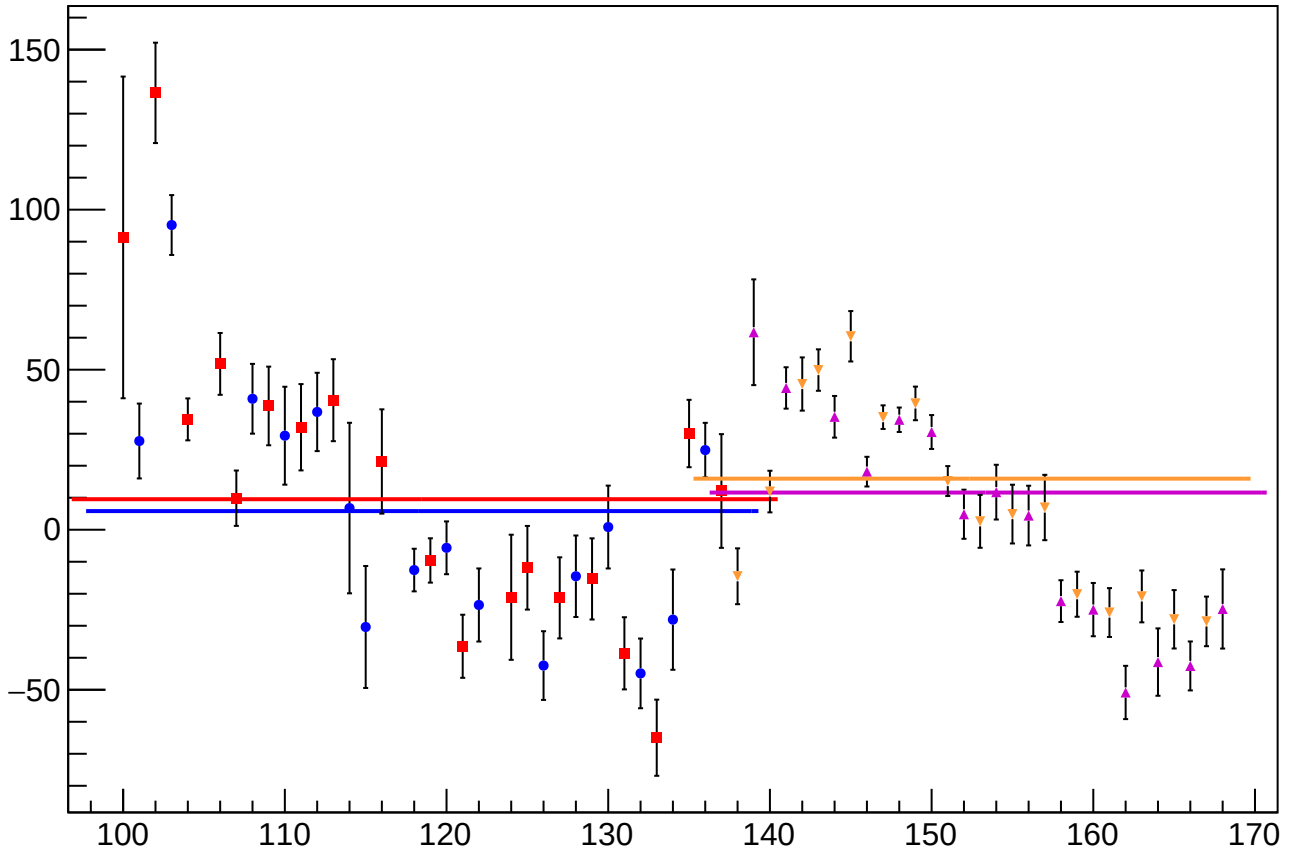
Left: -461.886+/-1.794 χ^2/NDF: 1130.7/30

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -453.577+/-1.861 χ^2/NDF:2136.2/30

Out: -438.273+/-1.773 χ^2/NDF:2521.3/34

All: -445.557+/-1.284 χ^2/NDF: 4693.0/65



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 15.957+/-1.657 χ^2/NDF:269.9/15

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 11.615+/-1.743 χ^2/NDF:286.4/14

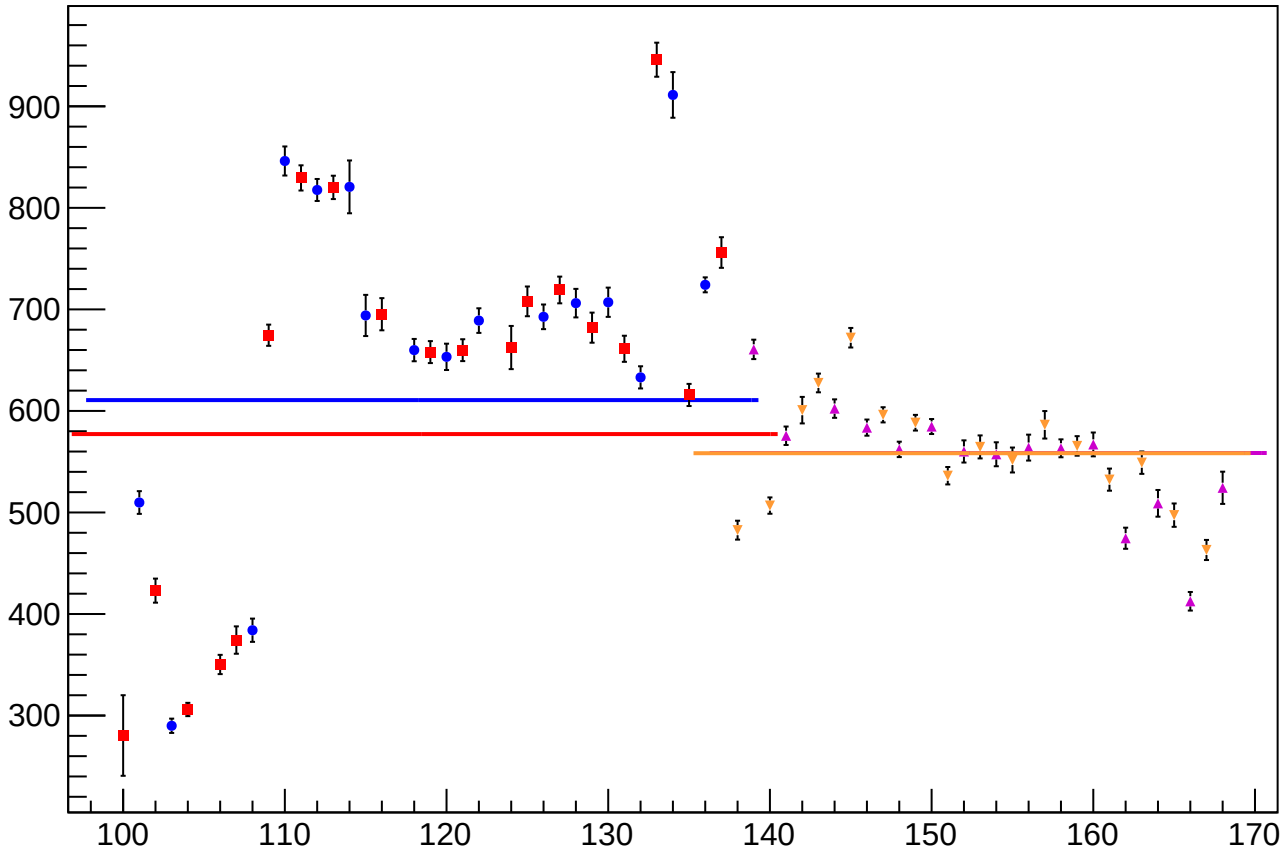
Left: 13.895+/-1.201 χ^2/NDF: 559.6/30

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 9.936+/-1.469 χ^2/NDF:477.7/30

Out: 14.057+/-1.391 χ^2/NDF:496.5/34

All: 12.109+/-1.010 χ^2/NDF: 978.4/65



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 558.360+/-2.435 χ^2/NDF:493.4/15

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 558.575+/-2.505 χ^2/NDF:502.6/14

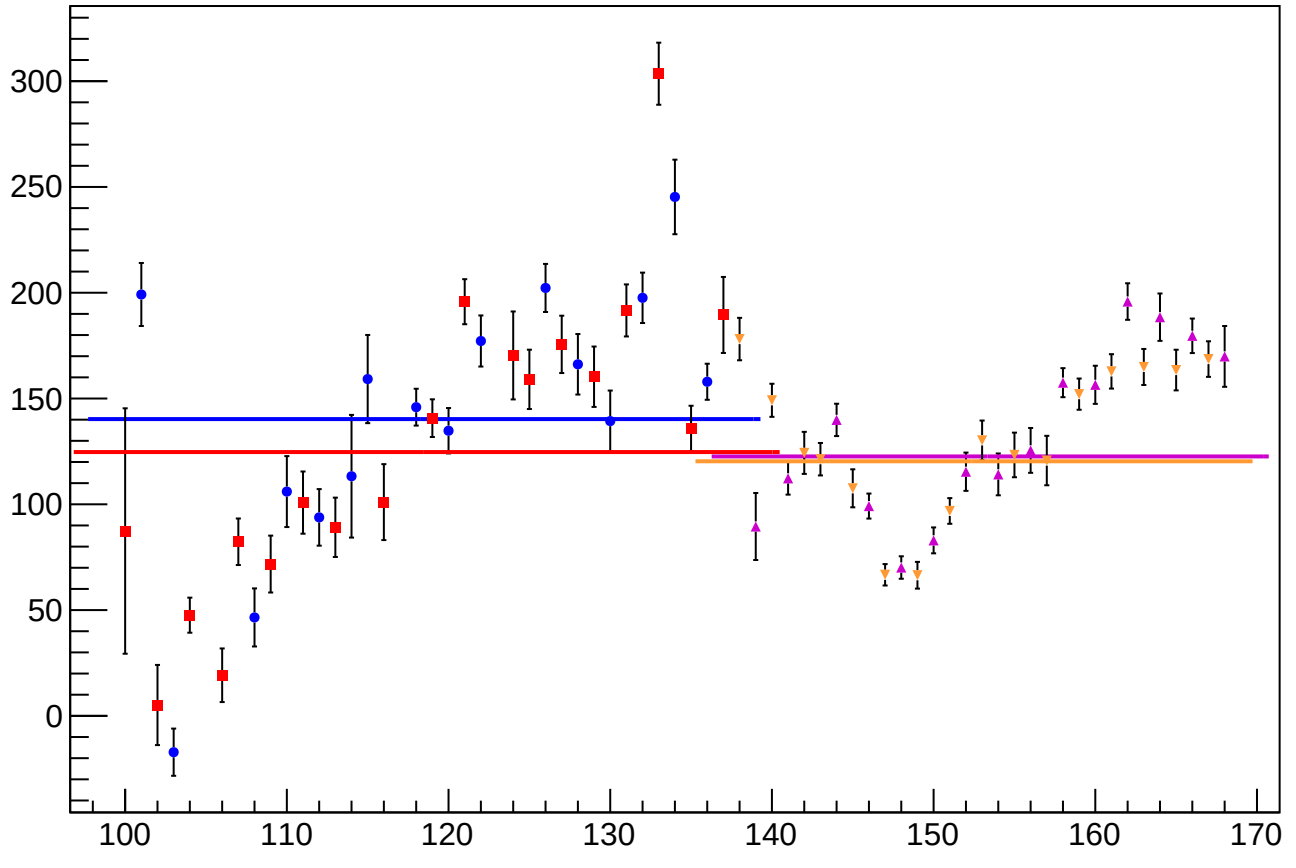
Left: 558.465+/-1.746 χ^2/NDF: 996.0/30

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 580.900+/-1.893 χ^2/NDF:4580.5/30

Out: 566.625+/-1.825 χ^2/NDF:5320.0/34

All: 573.498+/-1.314 χ^2/NDF: 9930.0/65



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 120.331+/-1.972 χ^2/NDF:376.5/15

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 122.624+/-2.063 χ^2/NDF:374.2/14

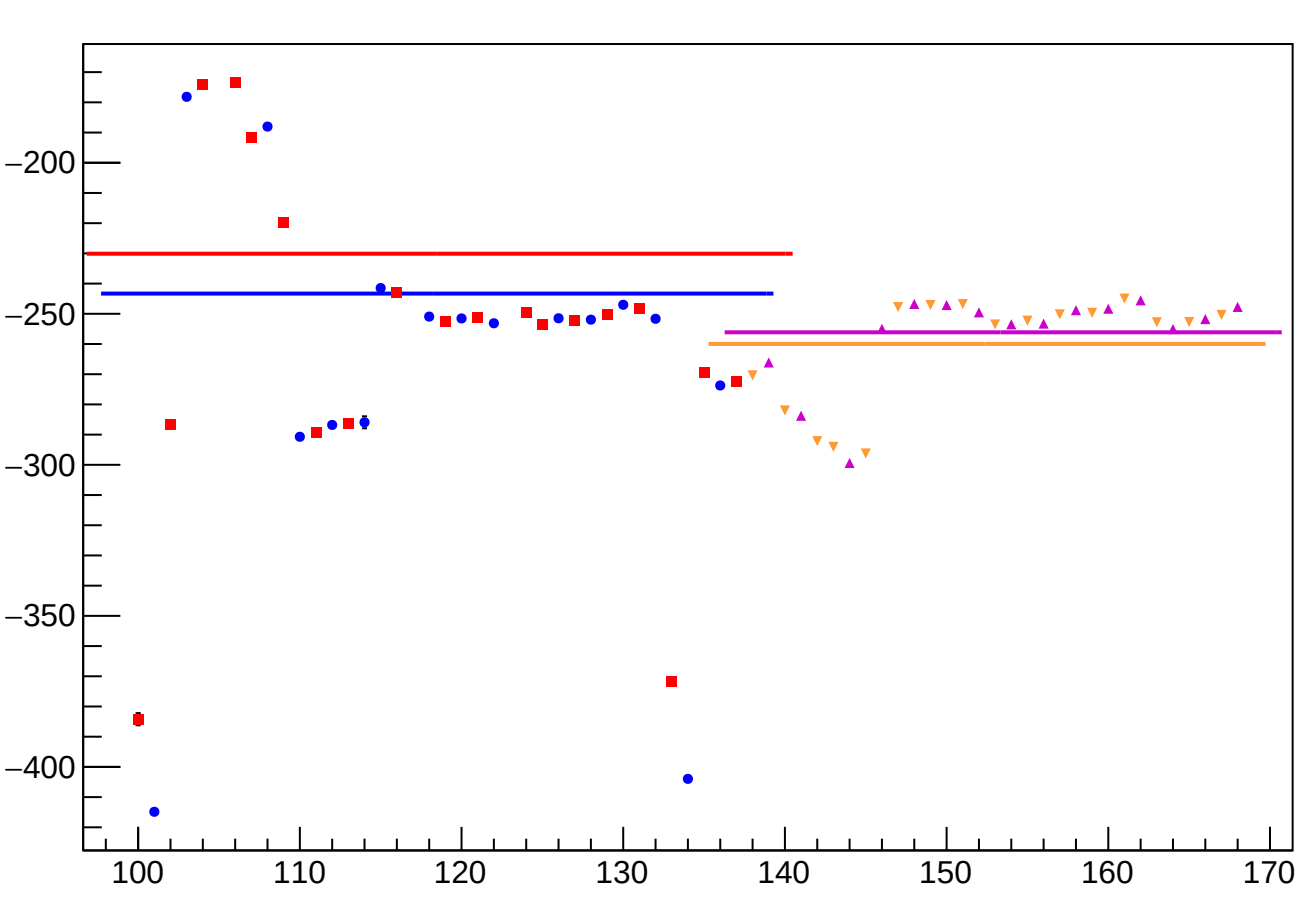
Left: 121.426+/-1.426 χ^2/NDF: 751.3/30

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.922+/-1.726 χ^2/NDF:781.5/30

Out: 121.662+/-1.645 χ^2/NDF:886.6/34

All: 124.640+/-1.191 χ^2/NDF: 1675.0/65



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -259.971+/-0.095 χ^2/NDF:34337.2/15

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.129+/-0.096 χ^2/NDF:21949.0/14

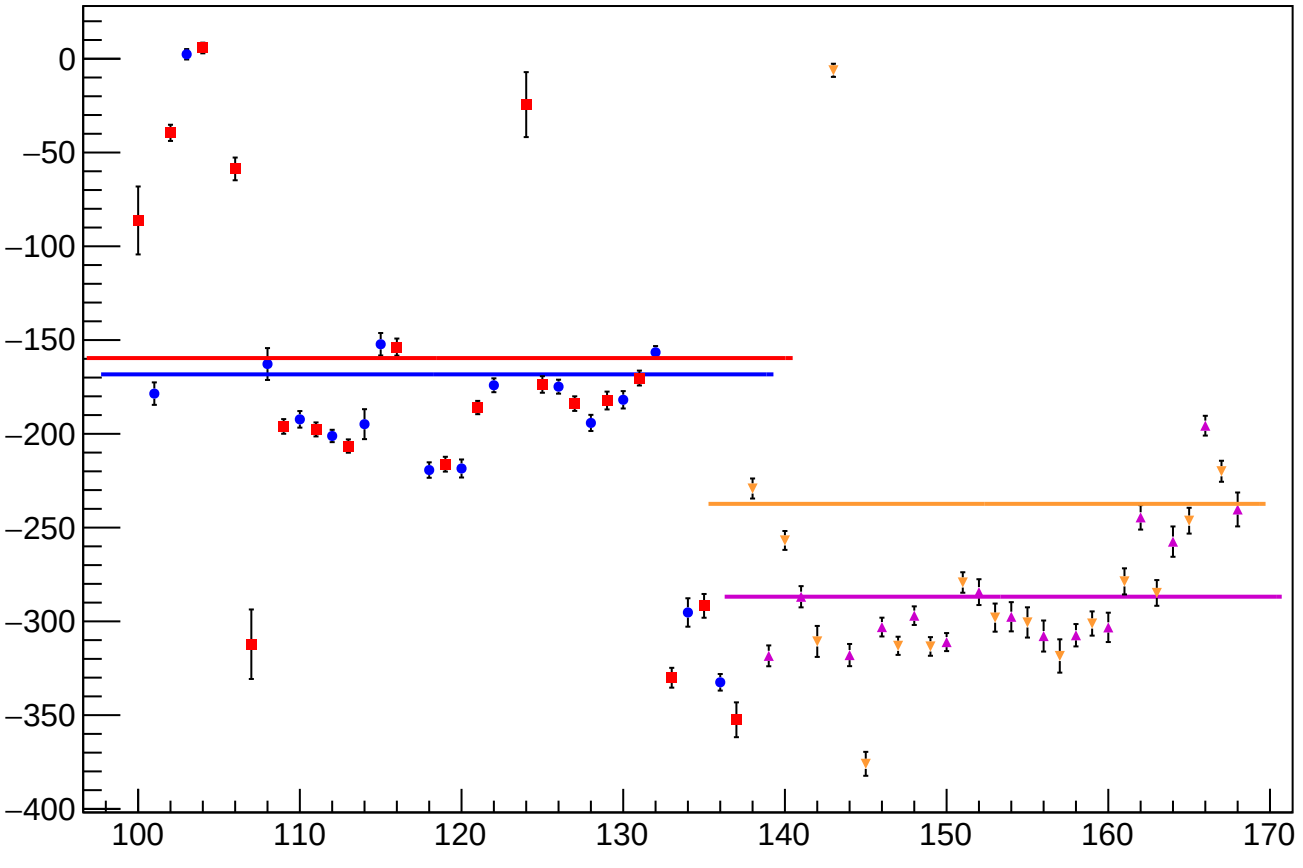
Left: -258.079+/-0.067 χ^2/NDF: 57098.6/30

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.812+/-0.083 χ^2/NDF:200050.6/30

Out: -252.046+/-0.081 χ^2/NDF:163240.7/34

All: -252.421+/-0.058 χ^2/NDF: 363335.1/65



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -237.339+/-1.449 χ^2/NDF:5845.8/15

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -286.845+/-1.582 χ^2/NDF:505.2/14

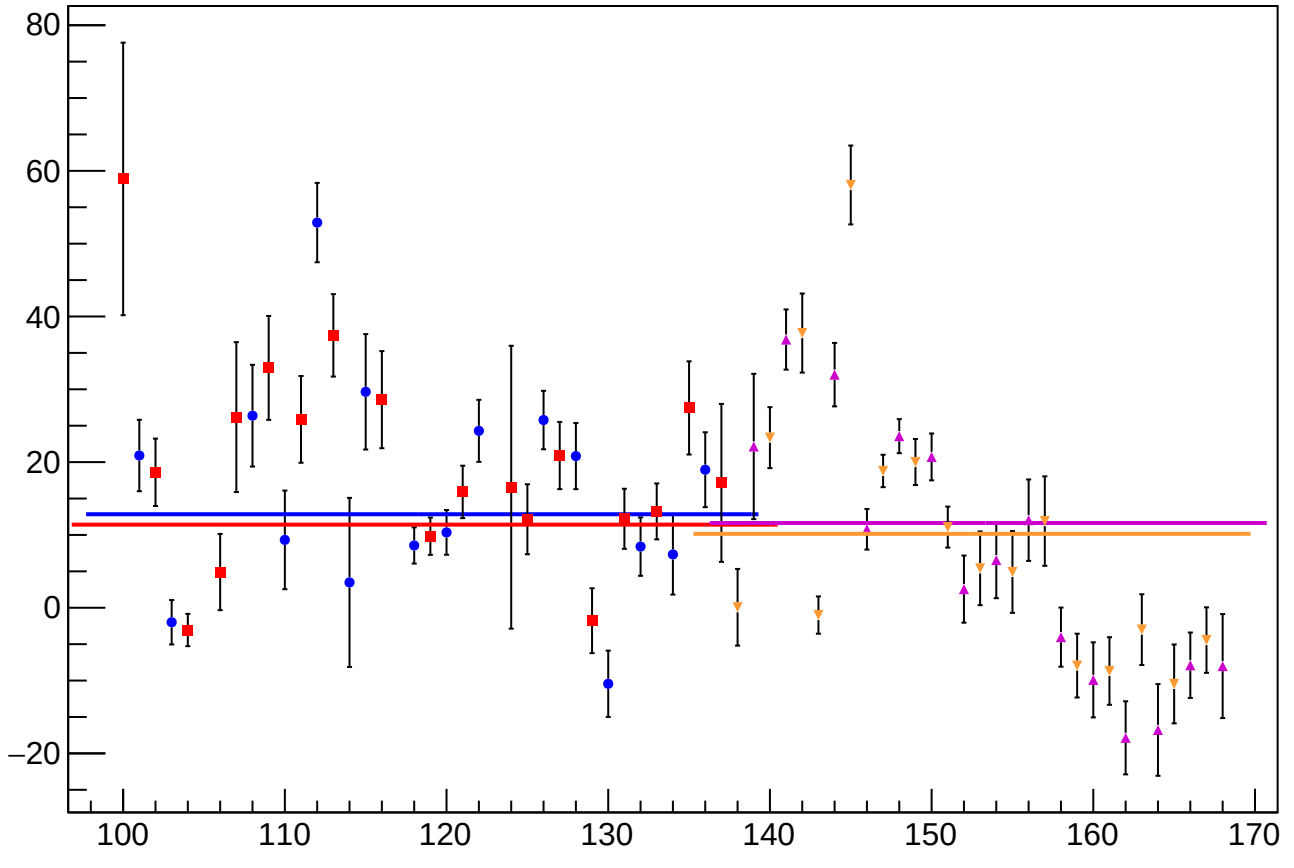
Left: -259.931+/-1.069 χ^2/NDF: 6883.4/30

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.778+/-0.890 χ^2/NDF:10253.1/30

Out: -186.101+/-0.846 χ^2/NDF:14939.7/34

All: -195.448+/-0.613 χ^2/NDF: 25449.7/65



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.150+/-0.970 χ^2/NDF:229.3/15

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 11.641+/-1.067 χ^2/NDF:212.8/14

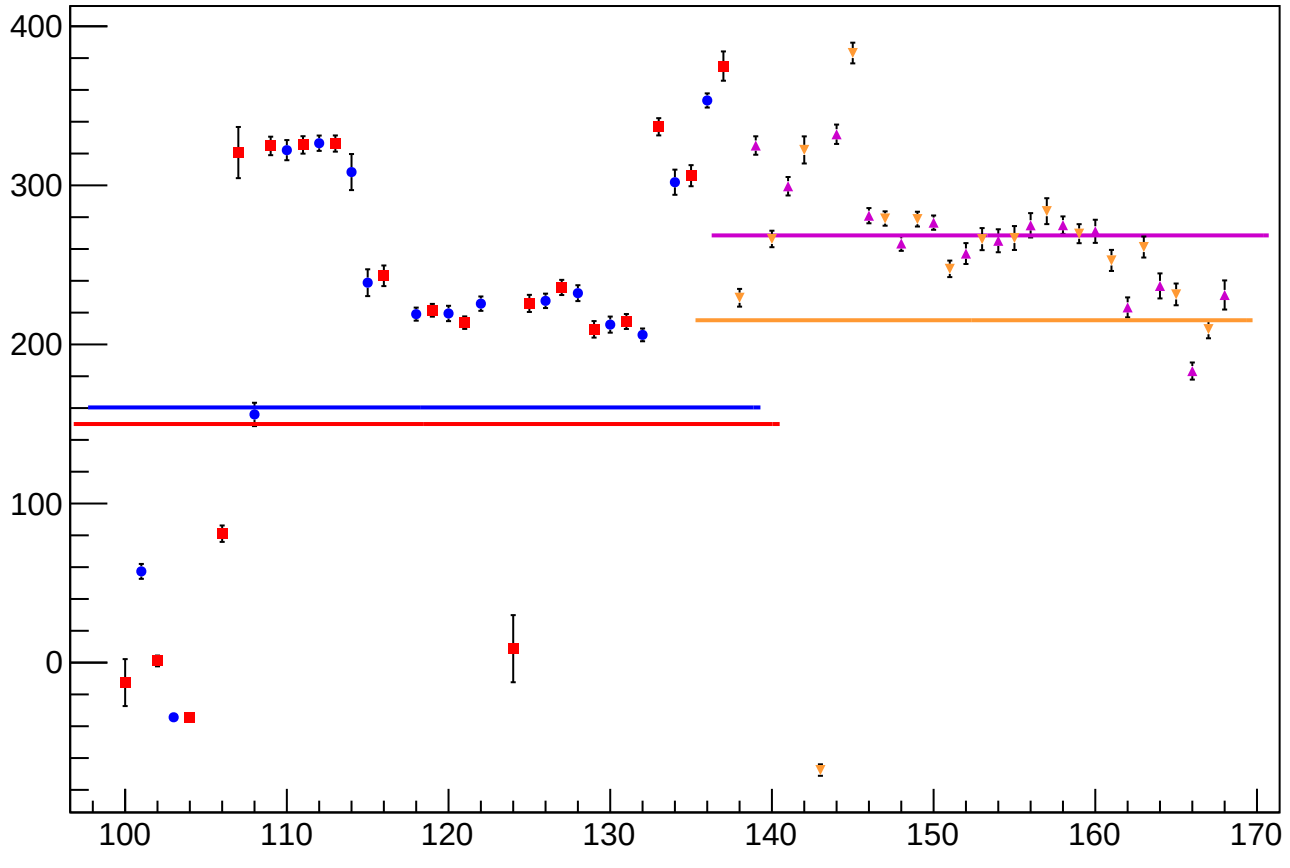
Left: 10.824+/-0.718 χ^2/NDF: 443.1/30

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.236+/-0.758 χ^2/NDF:357.1/30

Out: 10.740+/-0.708 χ^2/NDF:349.6/34

All: 11.437+/-0.517 χ^2/NDF: 708.8/65



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.212+/-1.421 χ^2/NDF:7831.9/15

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 268.542+/-1.533 χ^2/NDF:585.3/14

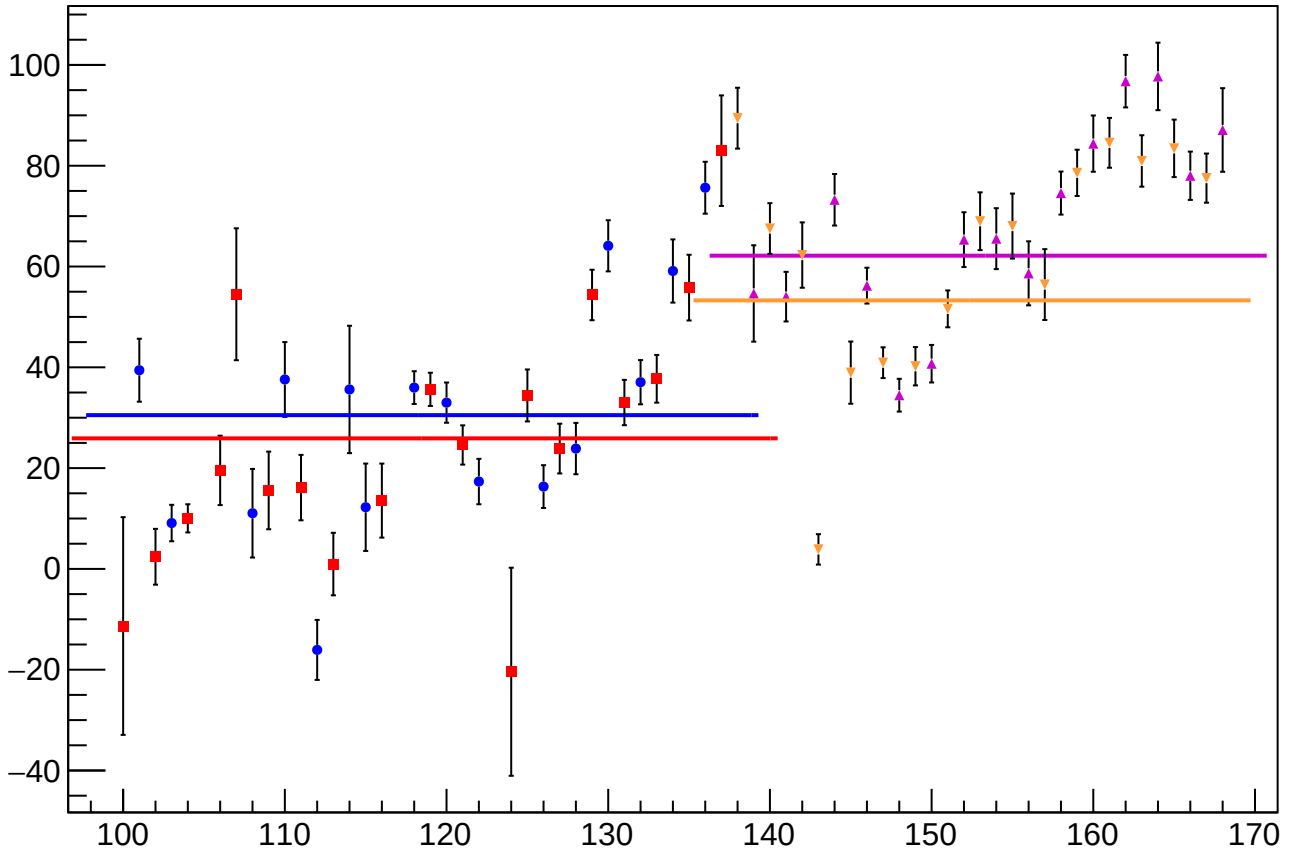
Left: 239.866+/-1.042 χ^2/NDF: 9068.1/30

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 198.872+/-0.914 χ^2/NDF:17741.3/30

Out: 174.599+/-0.873 χ^2/NDF:25408.6/34

All: 186.179+/-0.631 χ^2/NDF: 43518.6/65



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.276+/-1.153 χ^2/NDF:513.3/15

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 62.154+/-1.263 χ^2/NDF:234.2/14

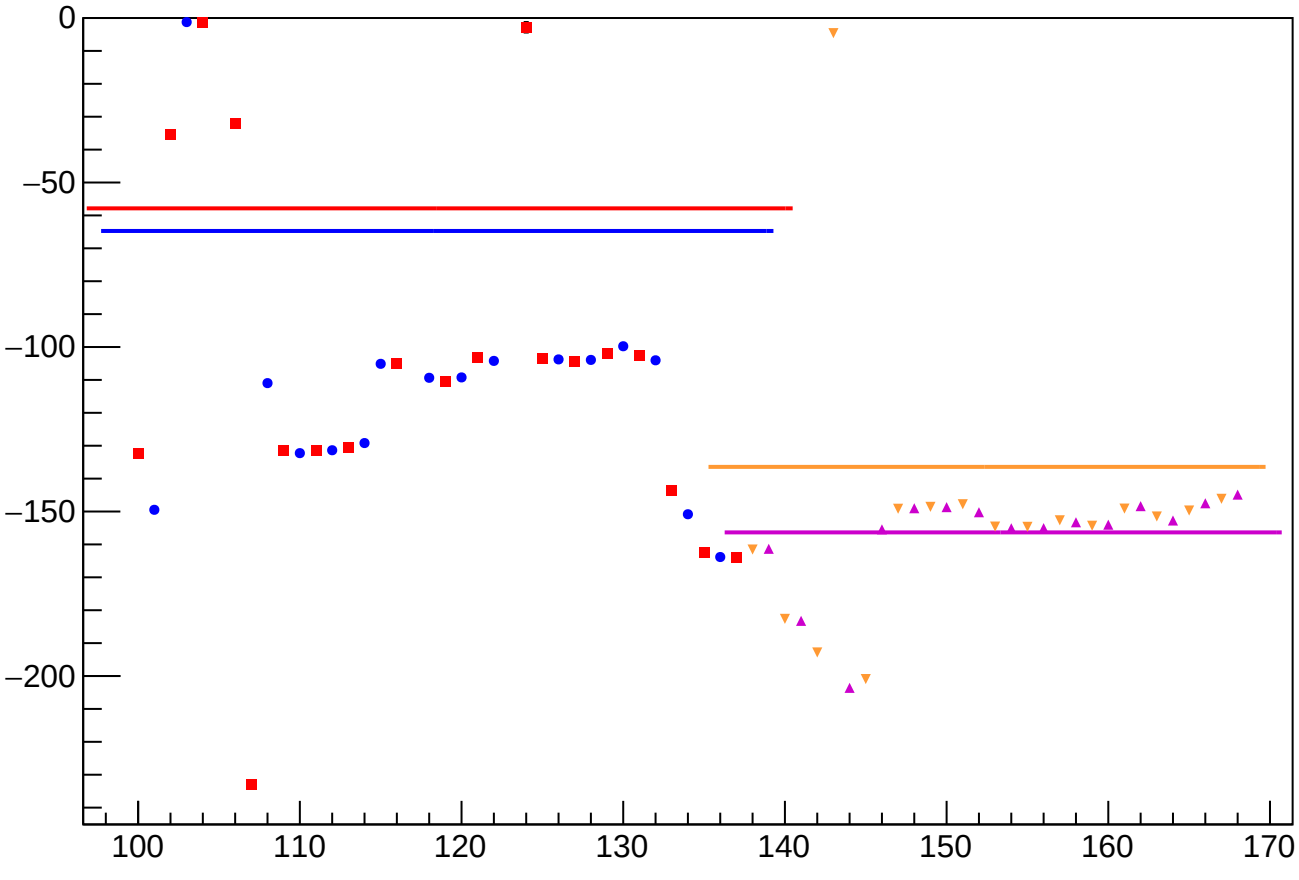
Left: 57.310+/-0.852 χ^2/NDF: 774.4/30

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 46.219+/-0.890 χ^2/NDF:827.0/30

Out: 40.285+/-0.836 χ^2/NDF:968.6/34

All: 43.065+/-0.609 χ^2/NDF: 1819.2/65



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.431+/-0.055 χ^2/NDF:960293.4/15

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -156.345+/-0.059 χ^2/NDF:51955.9/14

Left: -145.825+/-0.040 χ^2/NDF: 1073192.1/30

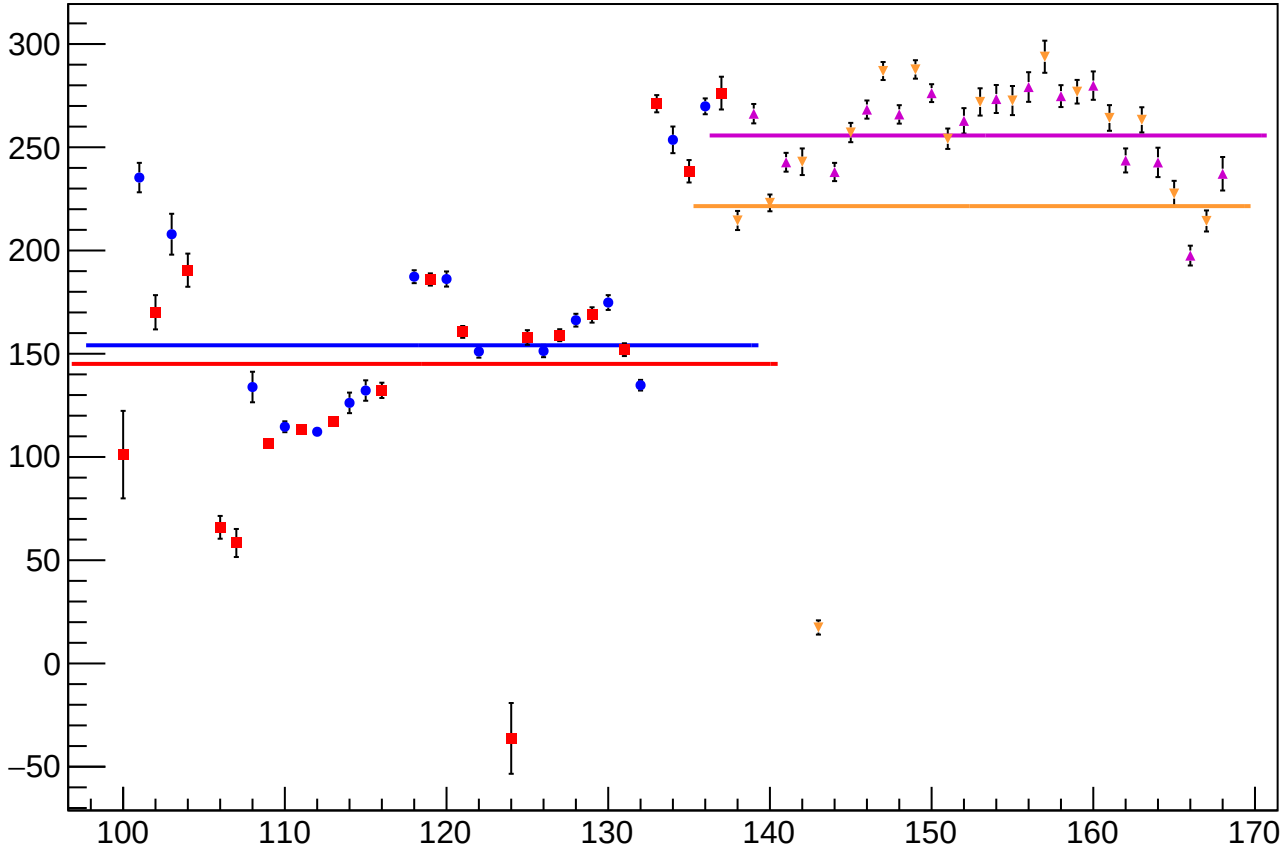
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -114.392+/-0.043 χ^2/NDF:2214576.7/30

Out: -101.636+/-0.041 χ^2/NDF:2726724.9/34

All: -107.741+/-0.030 χ^2/NDF: 4986834.5/65

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.492+/-1.278 χ^2/NDF:4457.1/15

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 255.708+/-1.371 χ^2/NDF:268.8/14

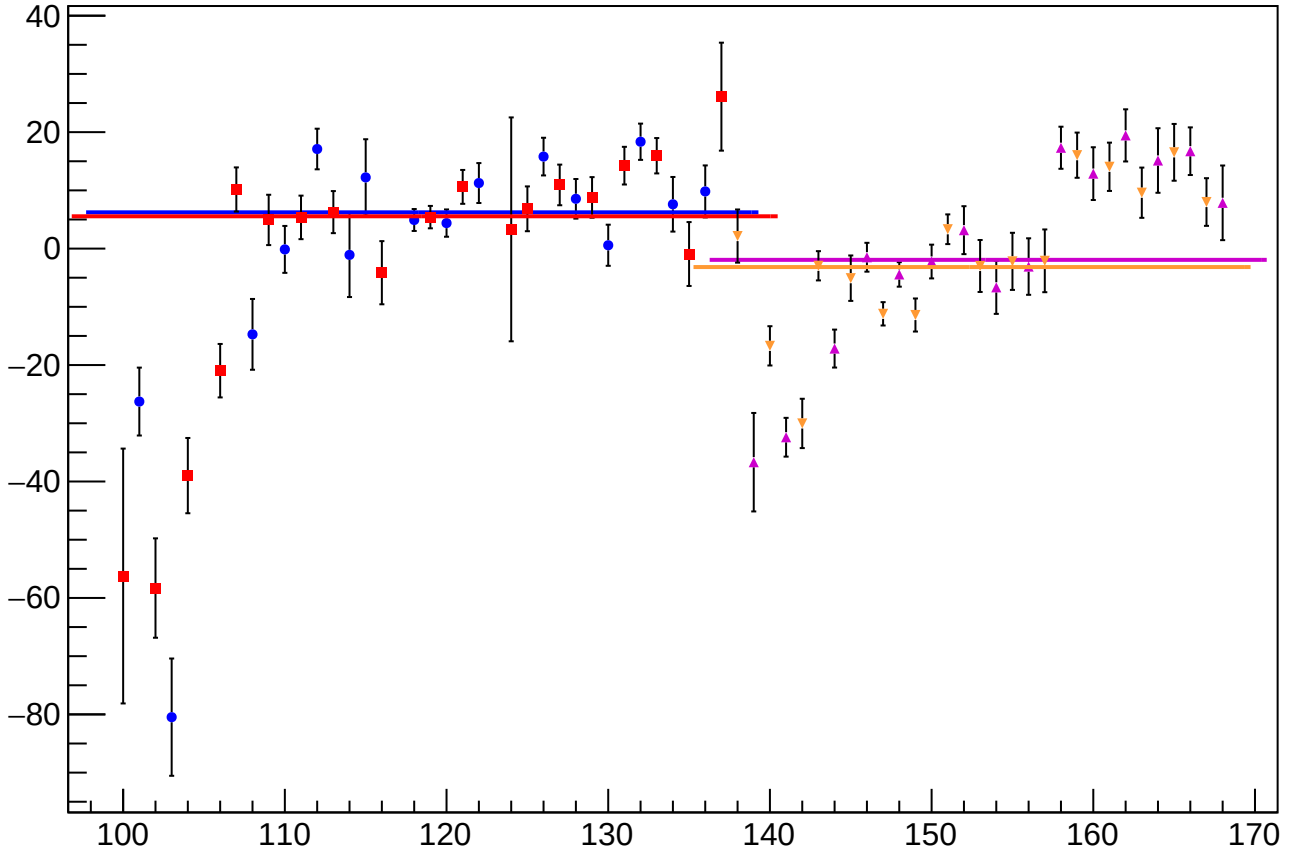
Left: 237.398+/-0.935 χ^2/NDF: 5059.3/30

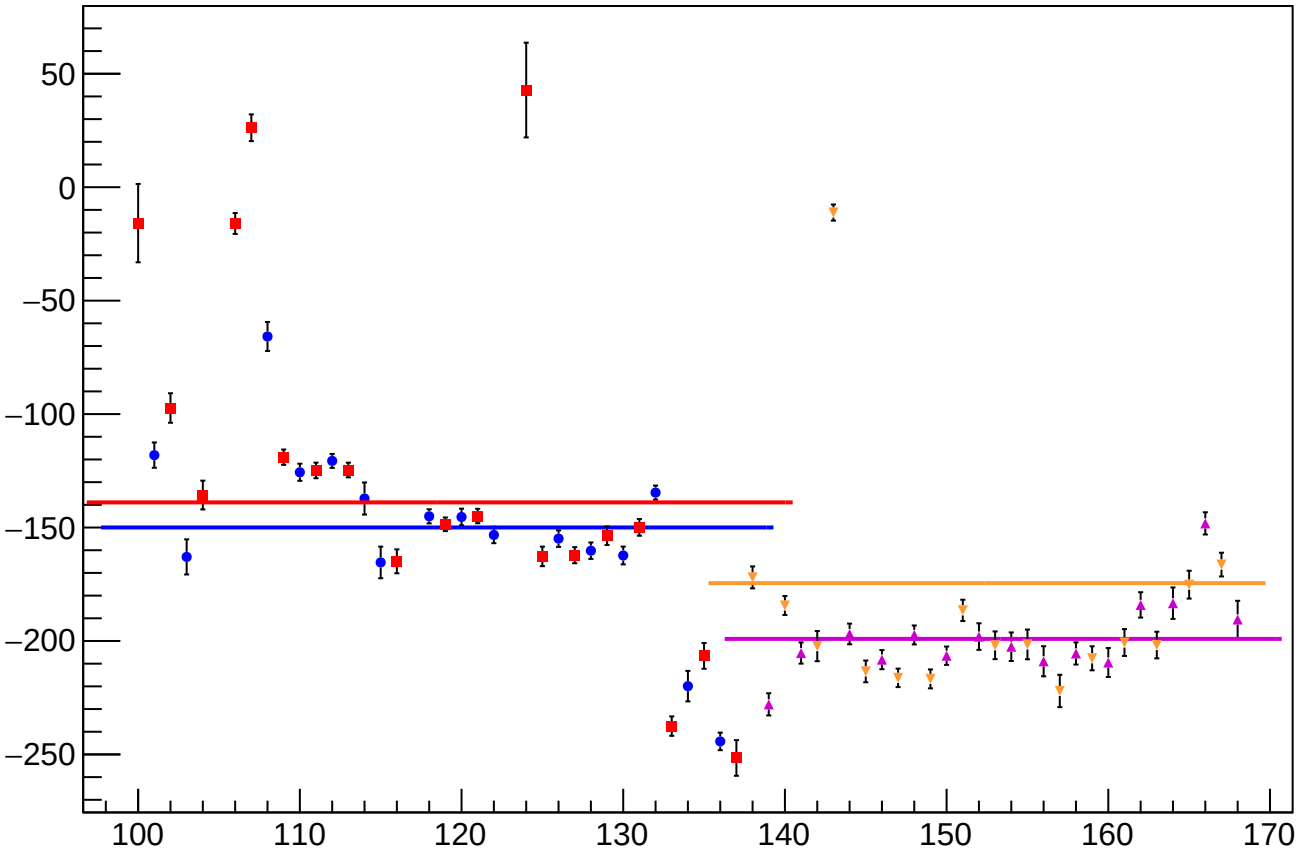
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 183.232+/-0.734 χ^2/NDF:6469.3/30

Out: 167.608+/-0.694 χ^2/NDF:9937.9/34

All: 174.979+/-0.504 χ^2/NDF: 16646.5/65


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -3.171+/-0.861 χ²/NDF:163.2/15
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -1.933+/-0.934 χ²/NDF:221.0/14
Left: -2.601+/-0.633 χ²/NDF: 385.1/30
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.343+/-0.644 χ²/NDF:423.1/30
Out: 1.048+/-0.619 χ²/NDF:393.9/34
All: 1.670+/-0.446 χ²/NDF: 819.1/65



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.501+/-1.255 χ^2/NDF:2591.9/15

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -199.078+/-1.332 χ^2/NDF:173.5/14

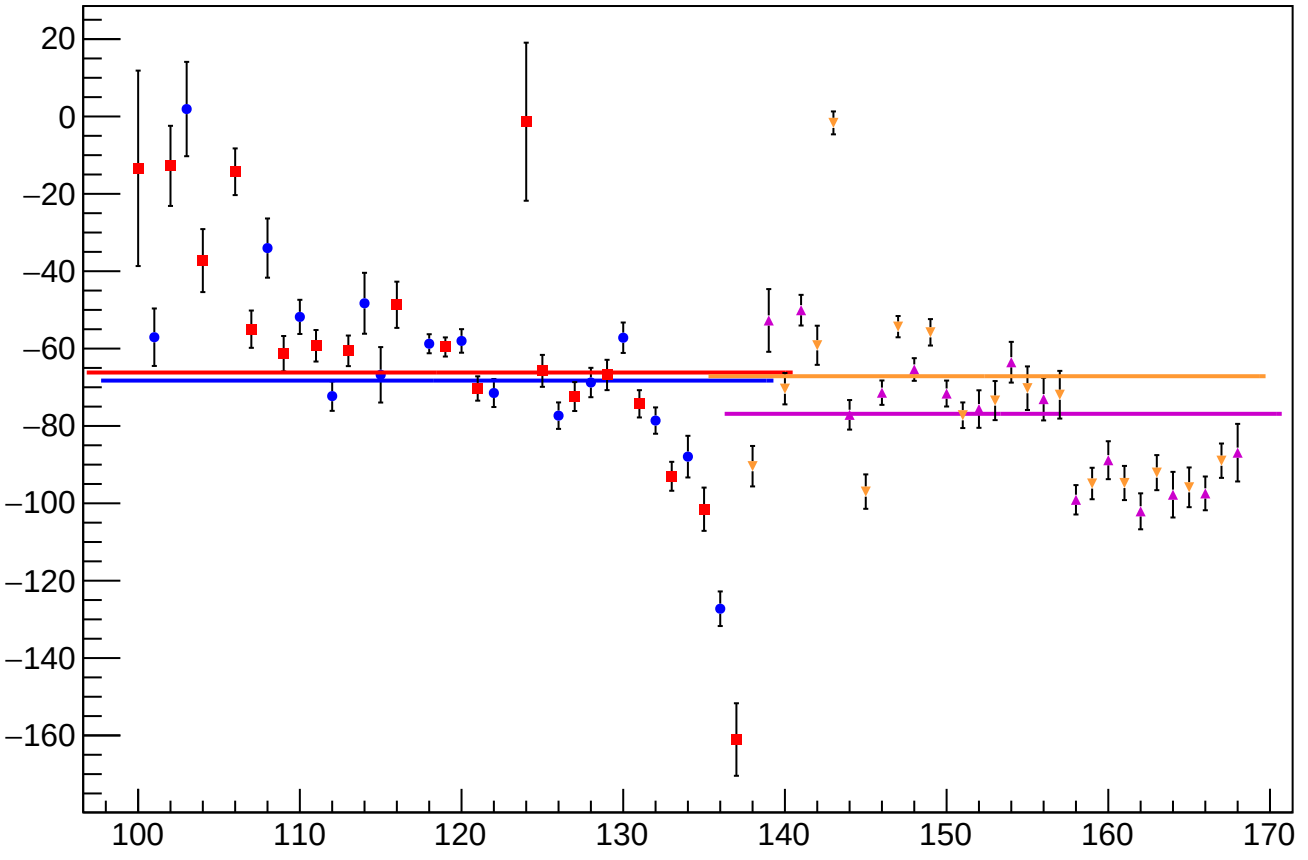
Left: -186.053+/-0.913 χ^2/NDF: 2945.8/30

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.247+/-0.813 χ^2/NDF:2126.2/30

Out: -152.628+/-0.779 χ^2/NDF:5837.4/34

All: -160.105+/-0.562 χ^2/NDF: 8156.1/65



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.143+/-1.023 χ^2/NDF:772.4/15

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -76.863+/-1.103 χ^2/NDF:188.5/14

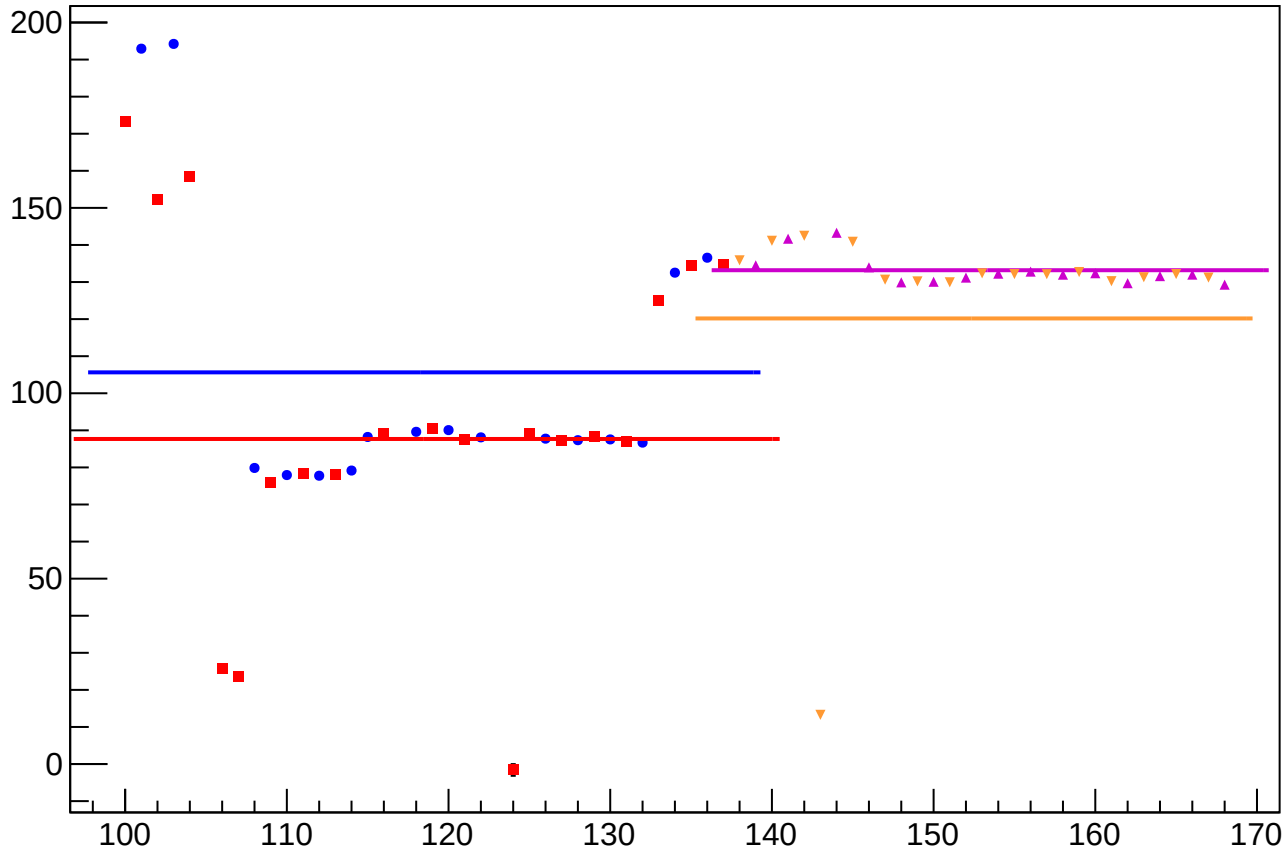
Left: -71.636+/-0.750 χ^2/NDF: 1002.6/30

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.286+/-0.754 χ^2/NDF:536.2/30

Out: -66.665+/-0.724 χ^2/NDF:1131.2/34

All: -69.360+/-0.522 χ^2/NDF: 1696.3/65



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.180+/-0.049 χ^2/NDF:600198.2/15

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.188+/-0.051 χ^2/NDF:5968.1/14

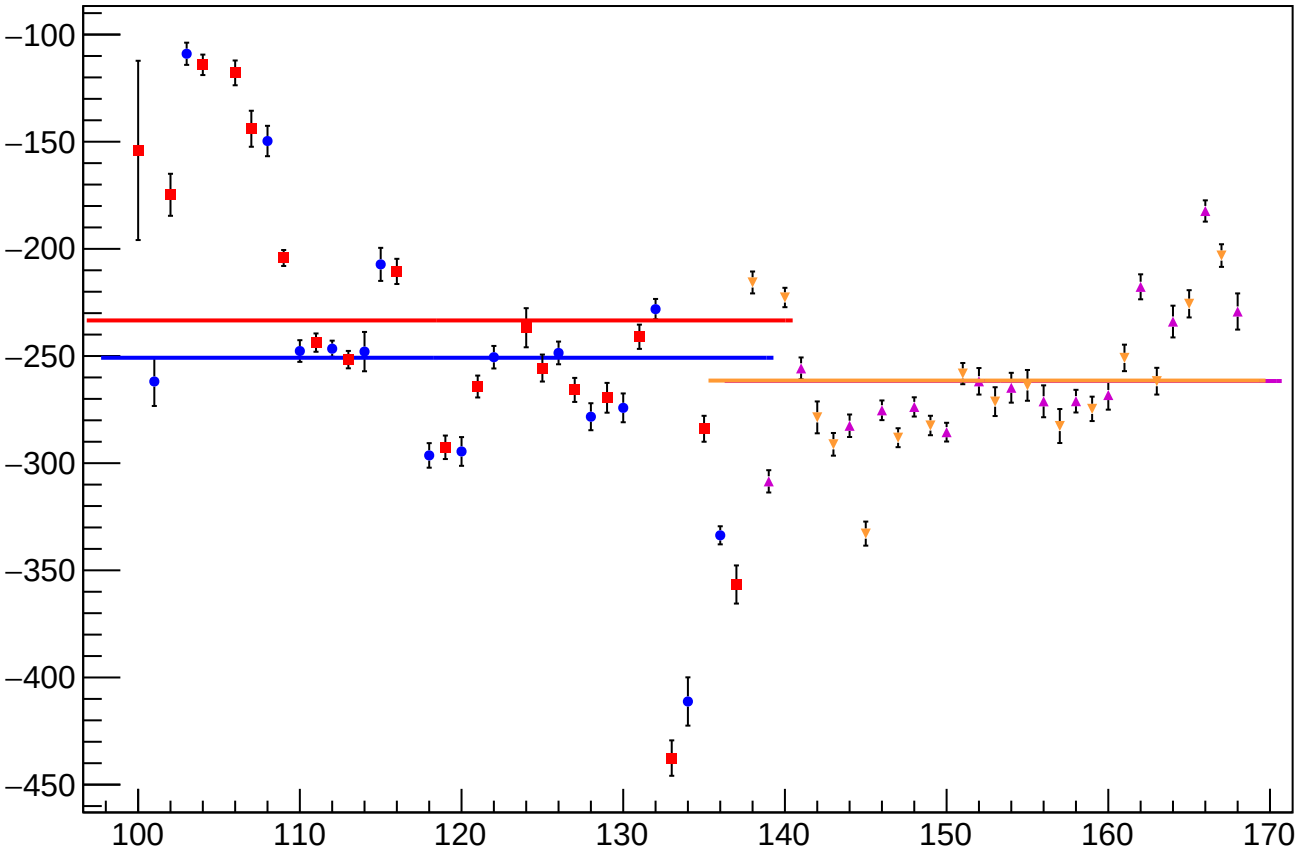
Left: 126.400+/-0.035 χ^2/NDF: 639979.1/30

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.758+/-0.041 χ^2/NDF:345064.3/30

Out: 108.570+/-0.039 χ^2/NDF:1132380.6/34

All: 115.746+/-0.028 χ^2/NDF: 1548293.4/65



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.457+/-1.395 χ^2/NDF:582.1/15

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -261.665+/-1.435 χ^2/NDF:490.8/14

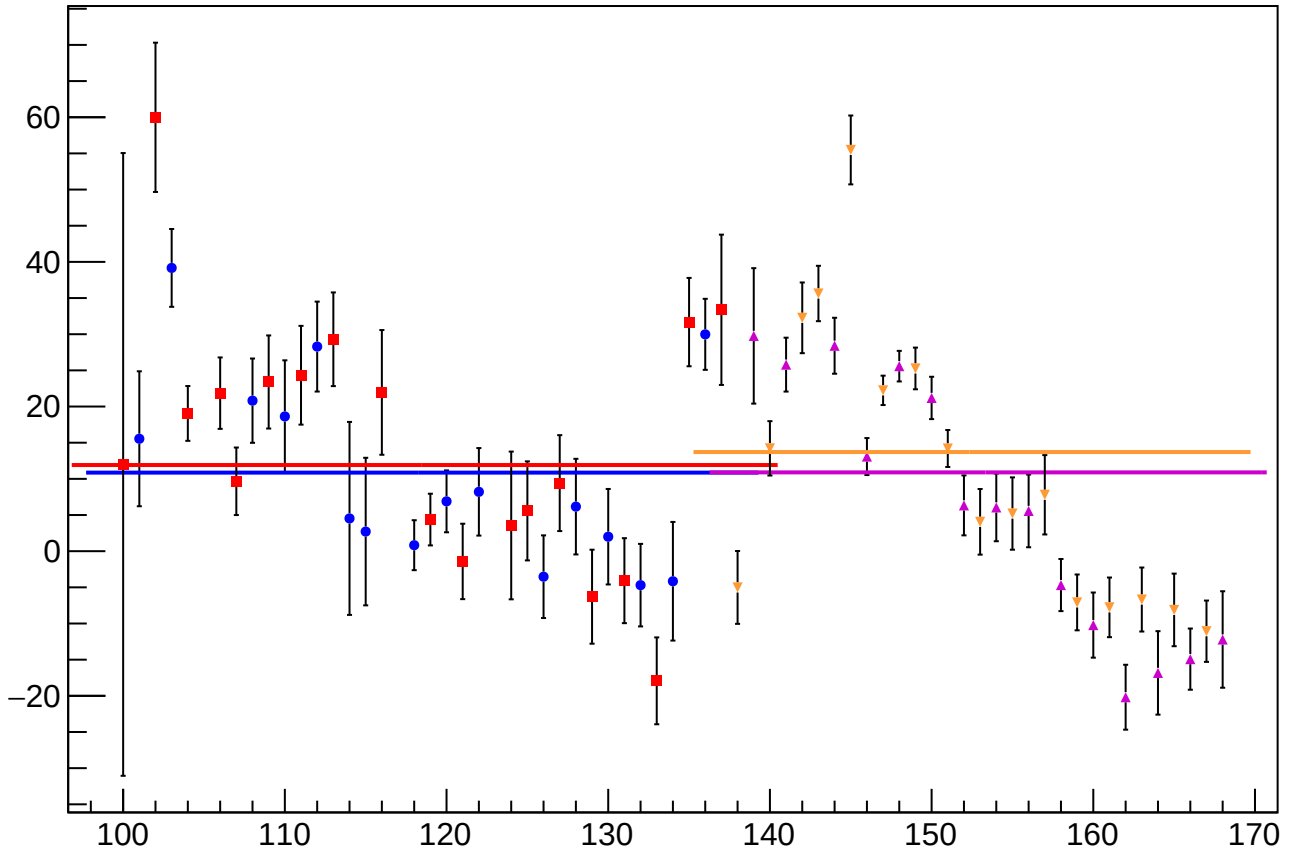
Left: -261.558+/-1.000 χ^2/NDF: 1072.9/30

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.249+/-1.016 χ^2/NDF:2255.1/30

Out: -246.793+/-0.964 χ^2/NDF:3172.0/34

All: -251.272+/-0.699 χ^2/NDF: 5472.7/65



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.707+/-0.923 χ^2/NDF:310.9/15

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 10.896+/-0.966 χ^2/NDF:266.3/14

Left: 12.366+/-0.667 χ^2/NDF: 581.6/30

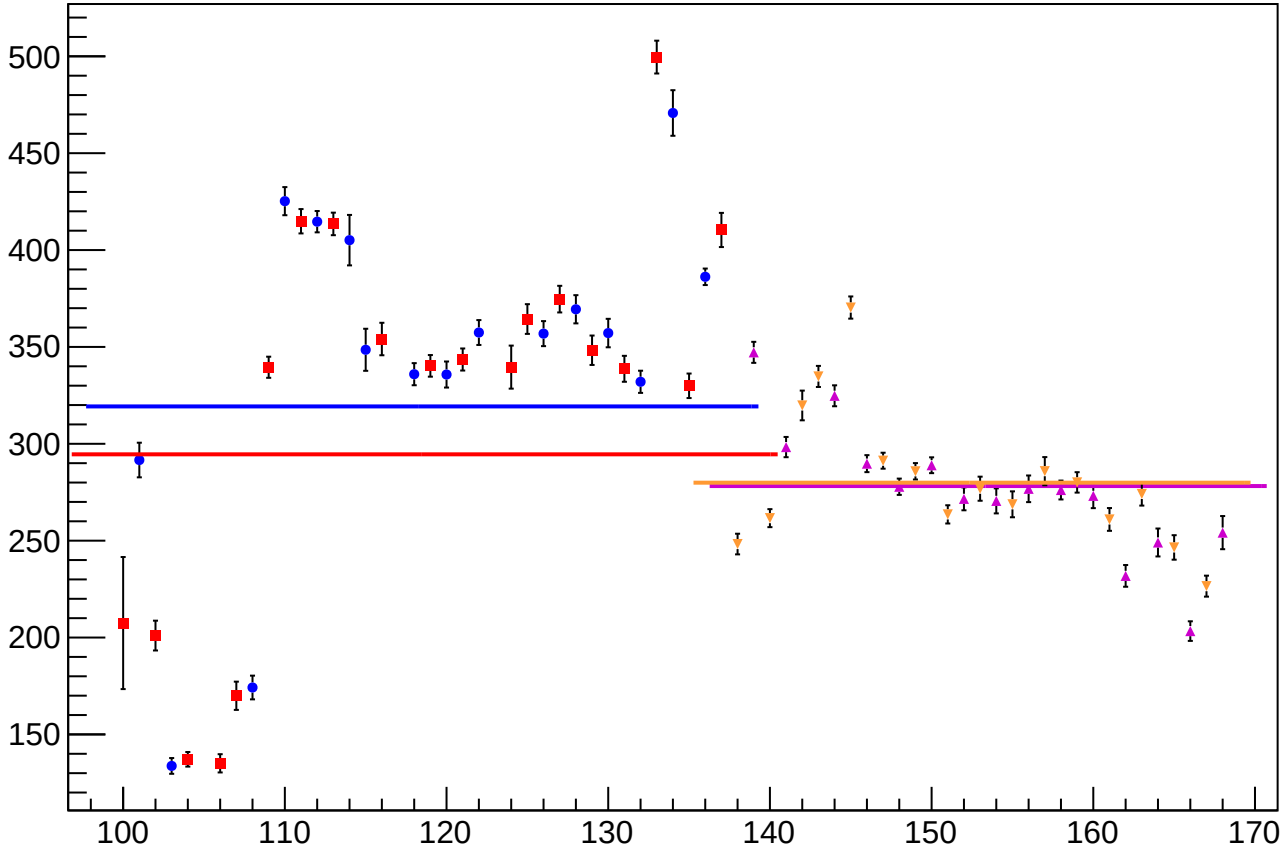
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 10.886+/-0.807 χ^2/NDF:351.0/30

Out: 13.146+/-0.765 χ^2/NDF:424.0/34

All: 12.077+/-0.555 χ^2/NDF: 779.0/65

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: 279.935+/-1.359 χ^2/NDF:590.3/15

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 278.195+/-1.390 χ^2/NDF:579.7/14

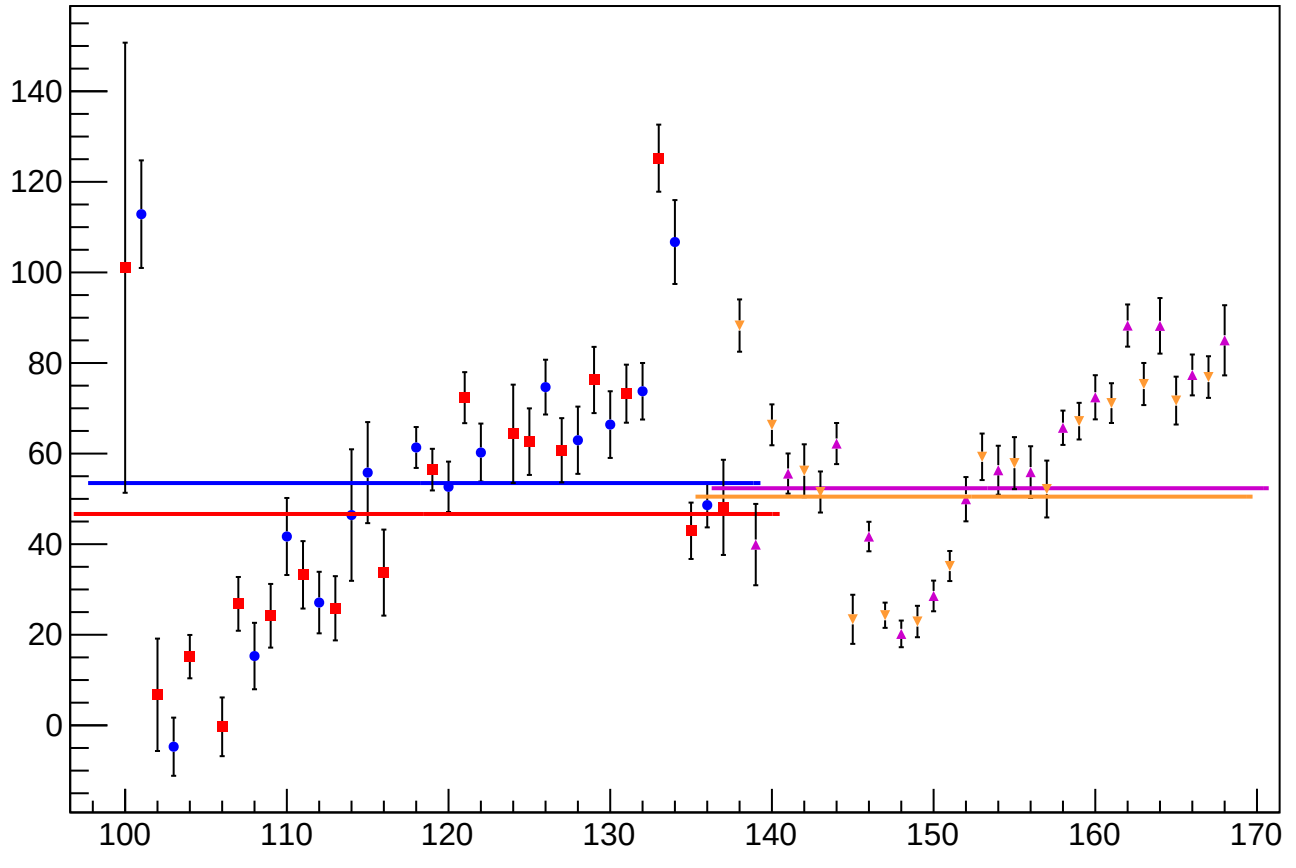
Left: 279.084+/-0.972 χ^2/NDF: 1170.8/30

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 296.042+/-1.045 χ^2/NDF:4752.4/30

Out: 286.622+/-1.001 χ^2/NDF:6146.5/34

All: 291.131+/-0.723 χ^2/NDF: 10941.3/65



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.494+/-1.098 χ^2/NDF:375.4/15

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 52.353+/-1.143 χ^2/NDF:359.3/14

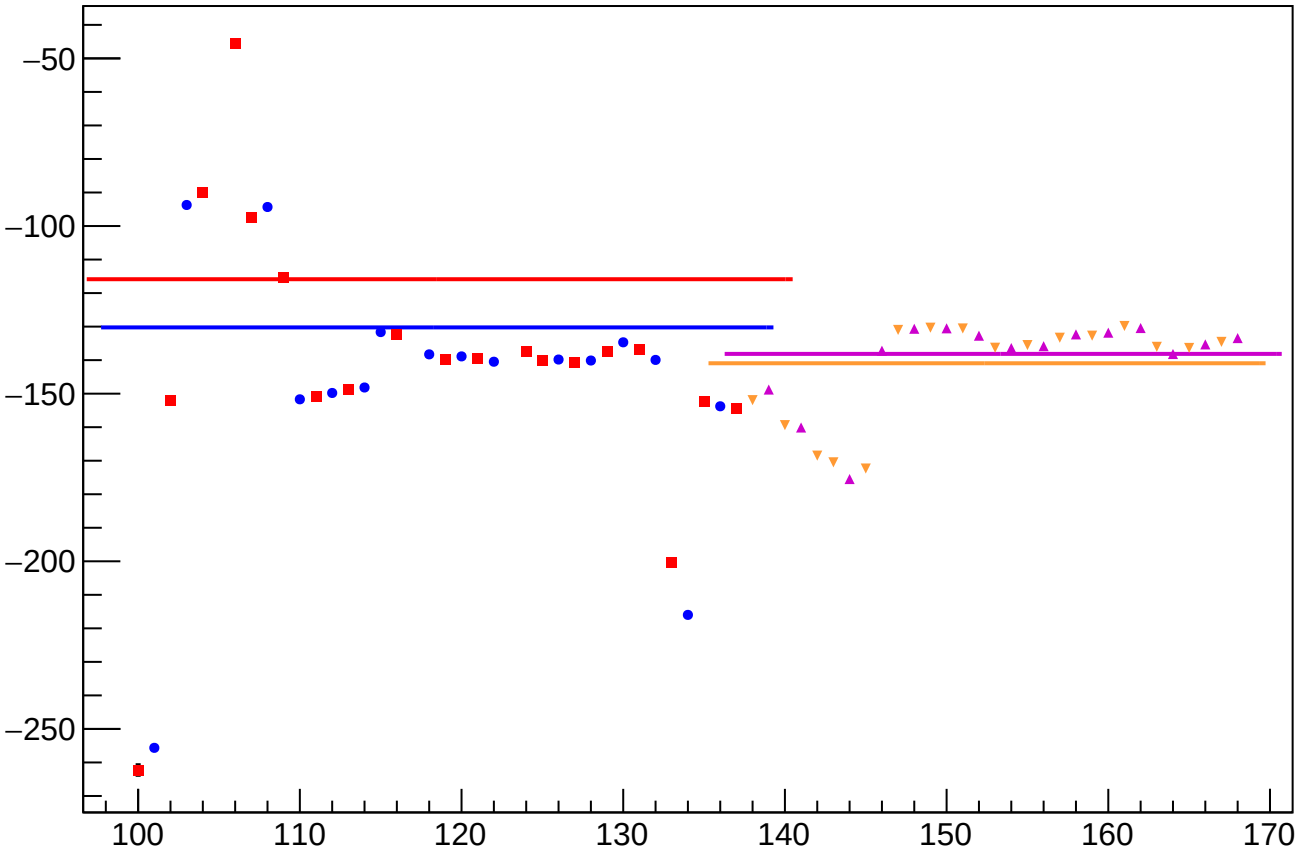
Left: 51.386+/-0.792 χ^2/NDF: 736.1/30

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.708+/-0.948 χ^2/NDF:576.8/30

Out: 49.262+/-0.904 χ^2/NDF:705.0/34

All: 50.903+/-0.654 χ^2/NDF: 1288.7/65



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.933+/-0.053 χ^2/NDF:72892.0/15

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.137+/-0.053 χ^2/NDF:45990.3/14

Left: -139.548+/-0.037 χ^2/NDF: 120280.8/30

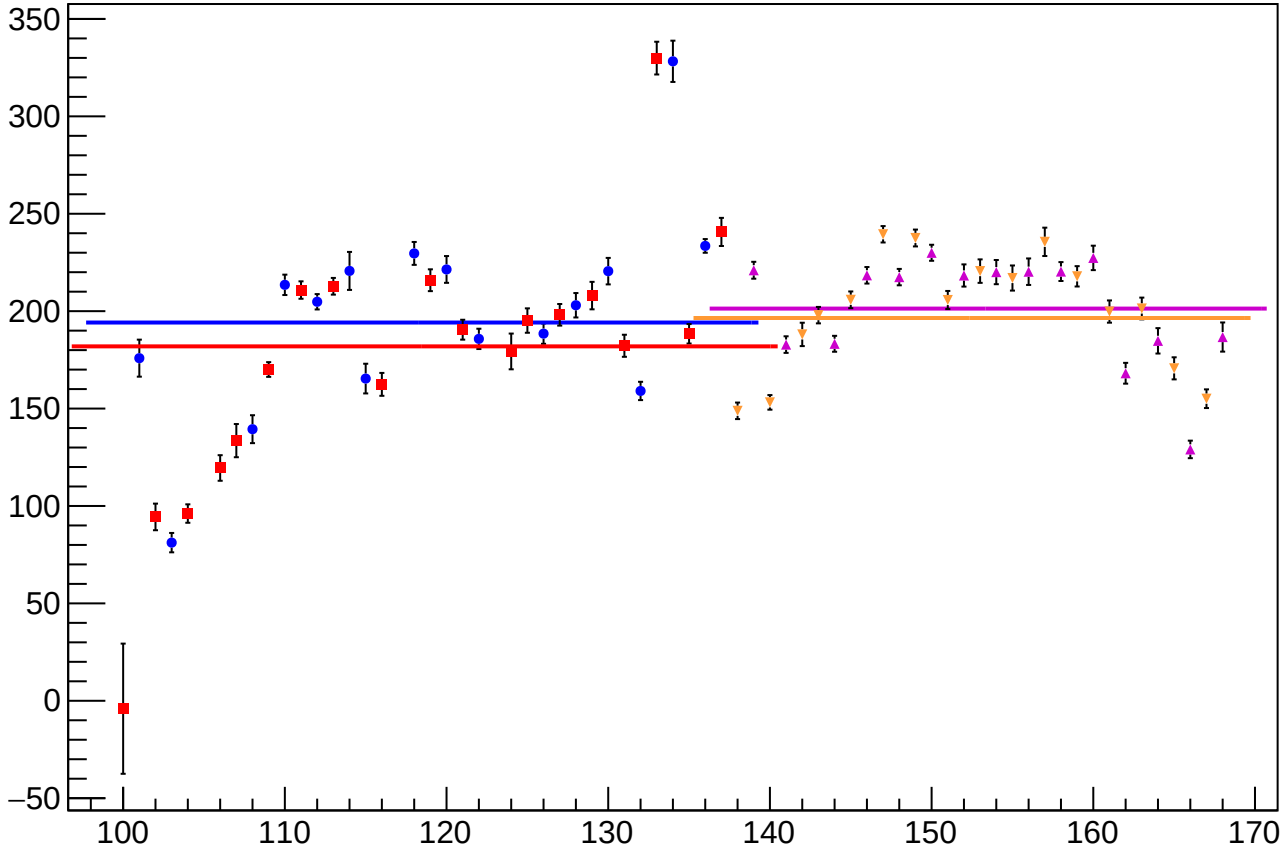
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.132+/-0.046 χ^2/NDF:225813.7/30

Out: -134.076+/-0.045 χ^2/NDF:340919.1/34

All: -135.080+/-0.032 χ^2/NDF: 567760.4/65

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: 196.490+/-1.226 χ^2/NDF:633.1/15

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.320+/-1.279 χ^2/NDF:504.1/14

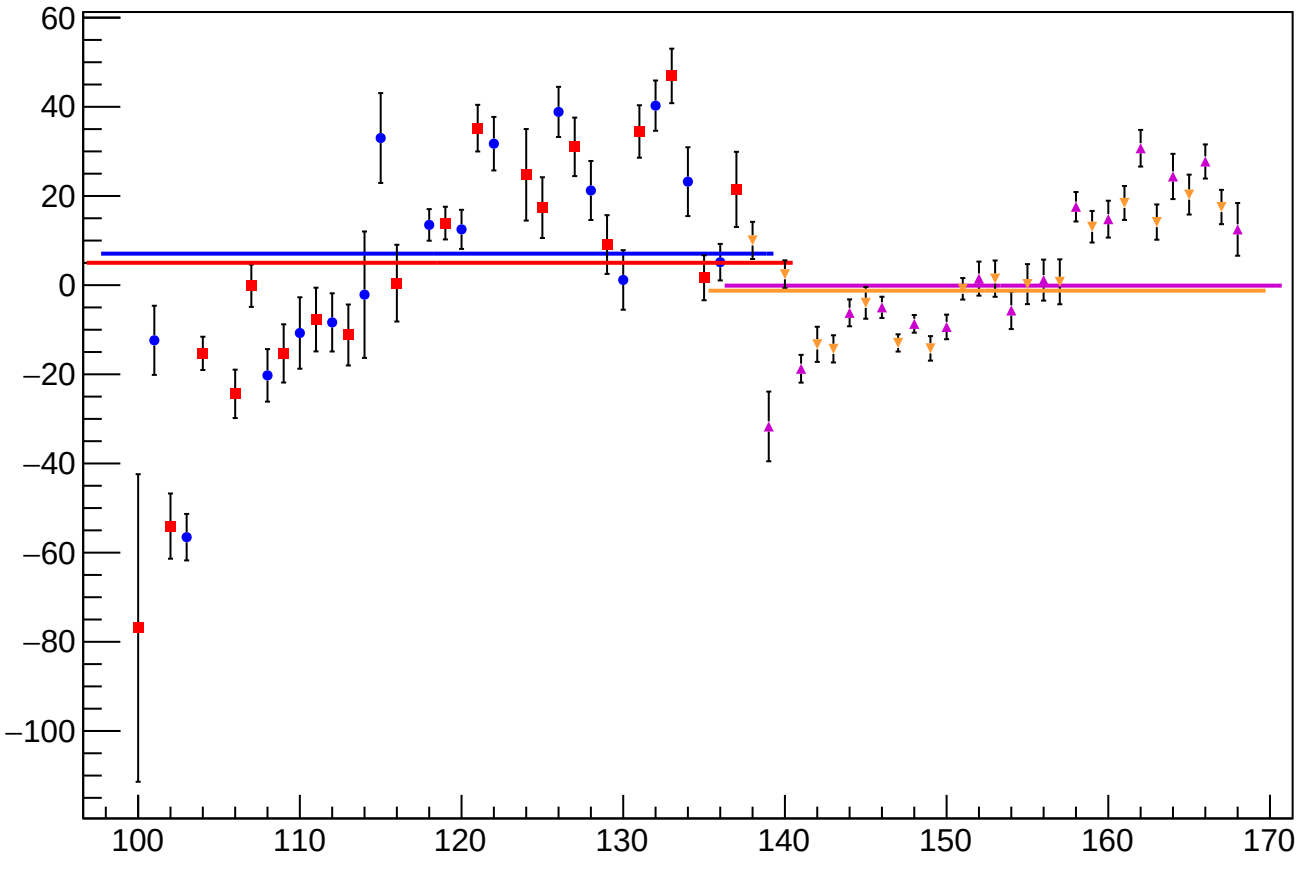
Left: 198.803+/-0.885 χ^2/NDF: 1144.6/30

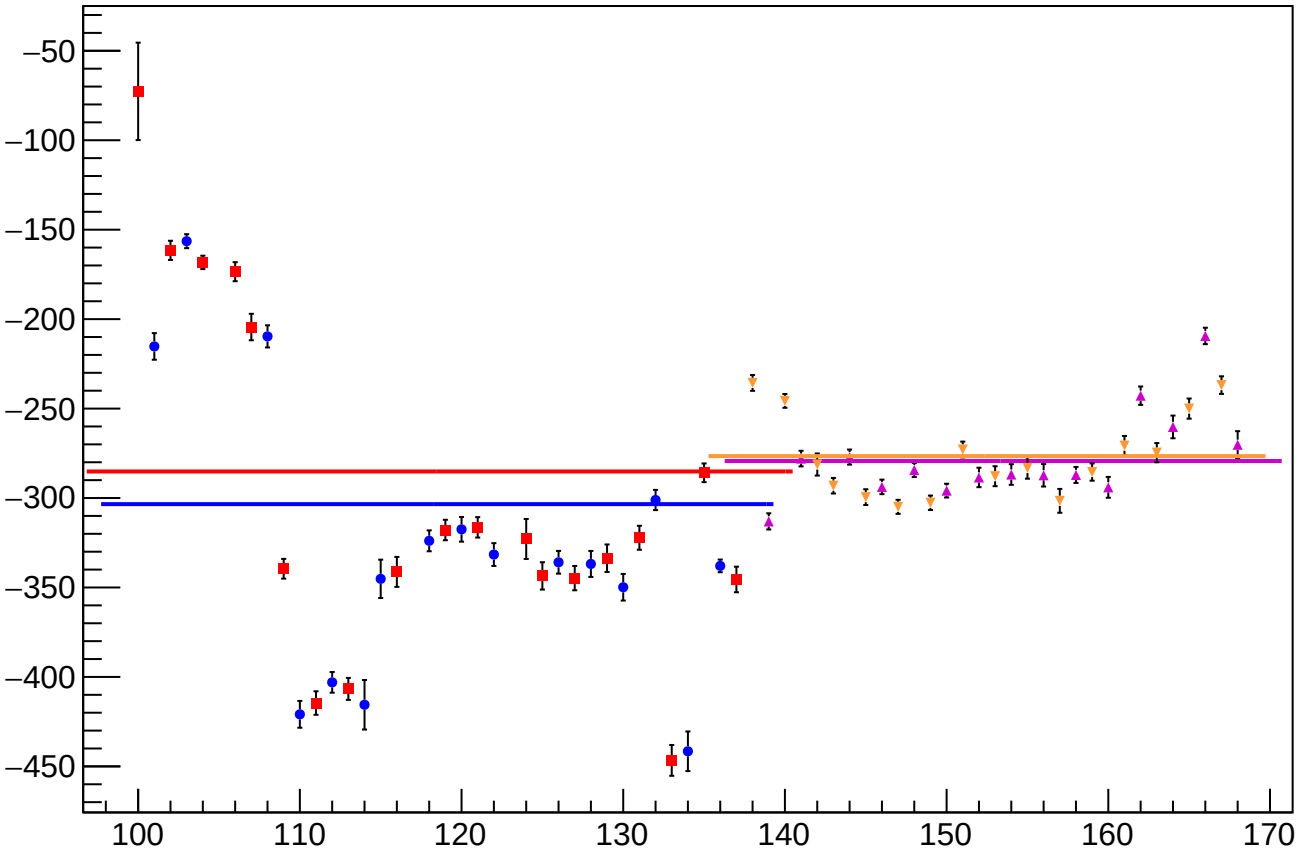
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.082+/-0.946 χ^2/NDF:1553.4/30

Out: 189.757+/-0.899 χ^2/NDF:1903.2/34

All: 193.706+/-0.652 χ^2/NDF: 3497.3/65


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -1.238+/-0.827 χ²/NDF:201.8/15
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: -0.109+/-0.874 χ²/NDF:271.1/14
Left: -0.705+/-0.601 χ²/NDF: 473.7/30
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: 1.815+/-0.747 χ²/NDF:581.7/30
Out: 0.460+/-0.706 χ²/NDF:505.8/34
All: 1.099+/-0.513 χ²/NDF: 1089.3/65



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.574+/-1.201 χ^2/NDF:397.7/15

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.305+/-1.243 χ^2/NDF:398.4/14

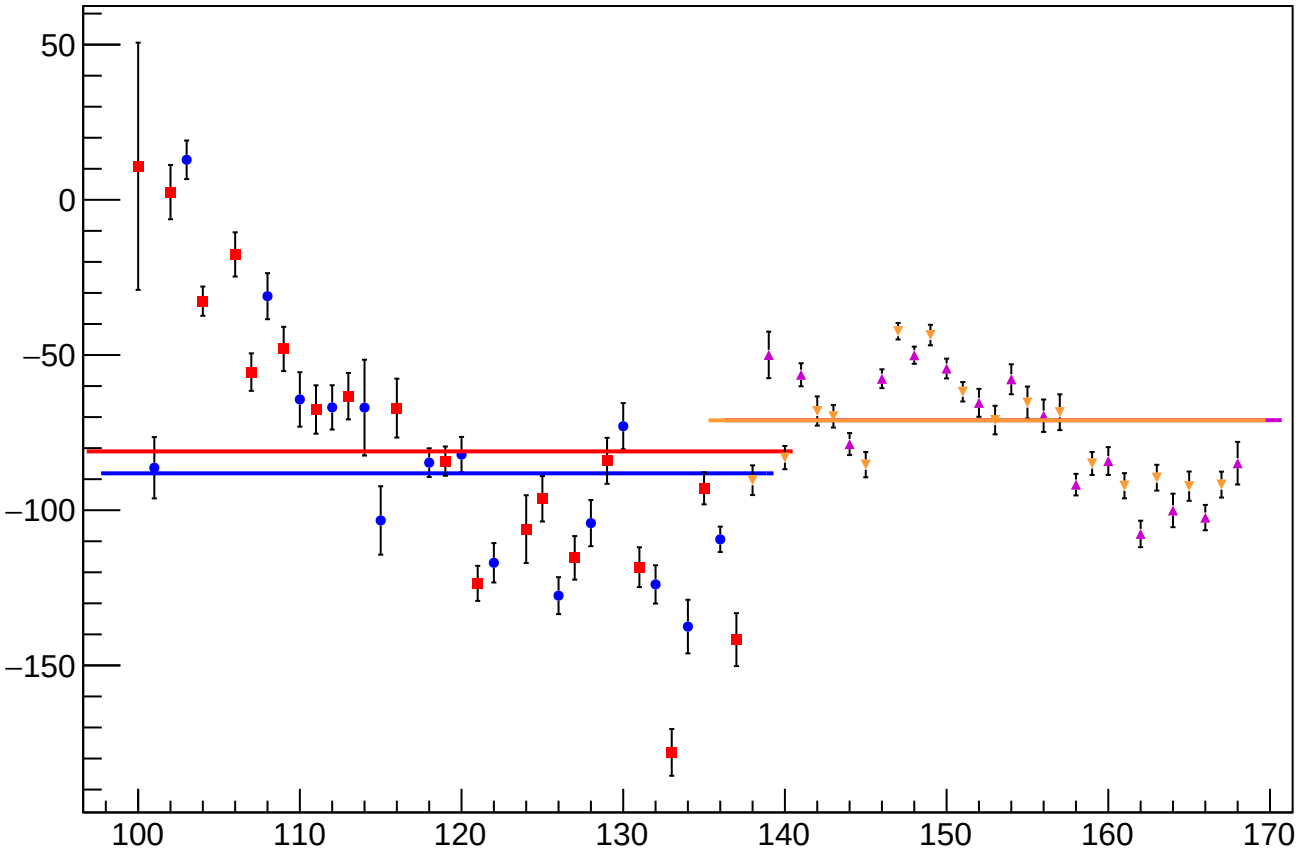
Left: -277.893+/-0.864 χ^2/NDF: 798.6/30

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -288.887+/-0.965 χ^2/NDF:3333.4/30

Out: -280.061+/-0.925 χ^2/NDF:4173.2/34

All: -284.290+/-0.668 χ^2/NDF: 7550.2/65



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -71.050+/-0.980 χ^2/NDF:341.1/15

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -70.992+/-1.030 χ^2/NDF:351.9/14

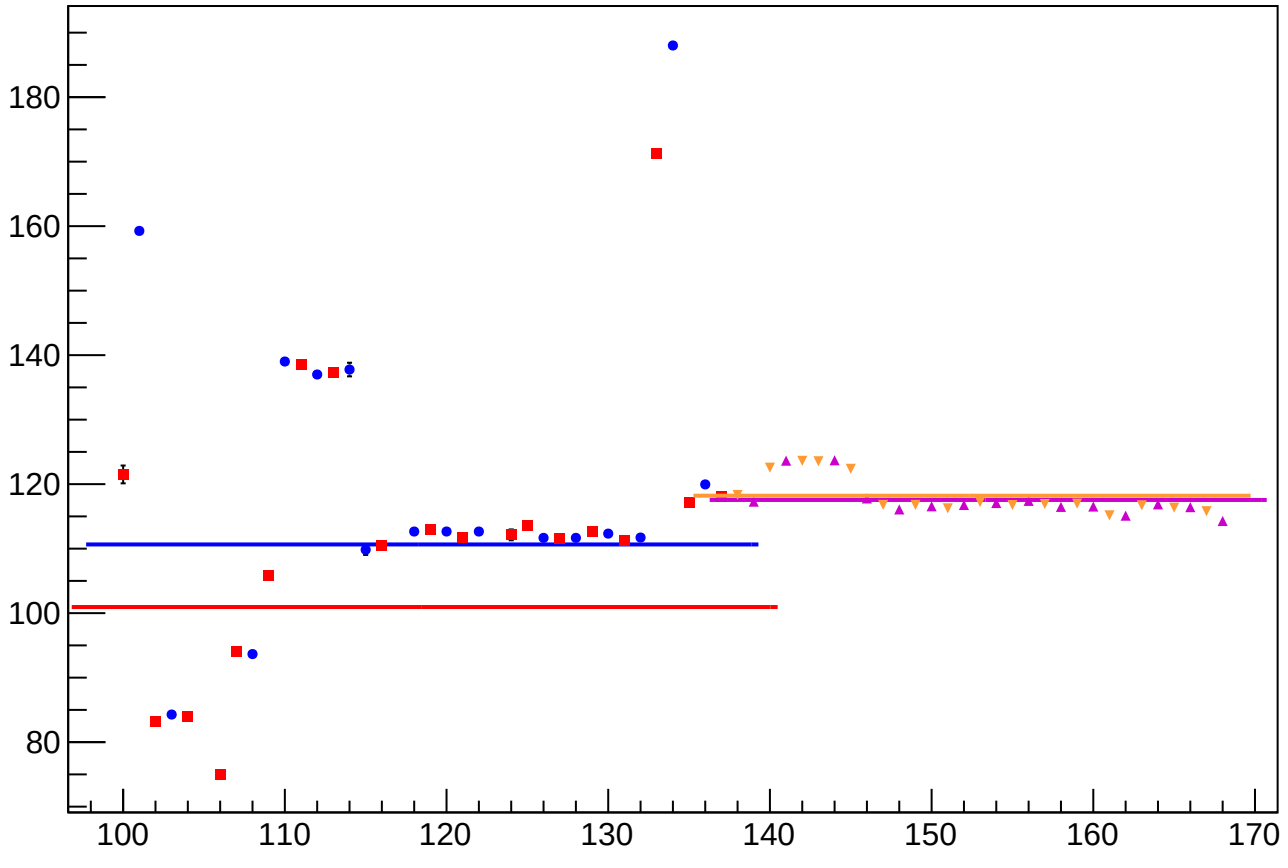
Left: -71.022+/-0.710 χ^2/NDF: 693.0/30

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.777+/-0.875 χ^2/NDF:941.0/30

Out: -73.856+/-0.831 χ^2/NDF:1047.8/34

All: -74.767+/-0.603 χ^2/NDF: 1991.3/65



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.210+/-0.047 χ^2/NDF:3533.1/15

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.549+/-0.048 χ^2/NDF:2818.7/14

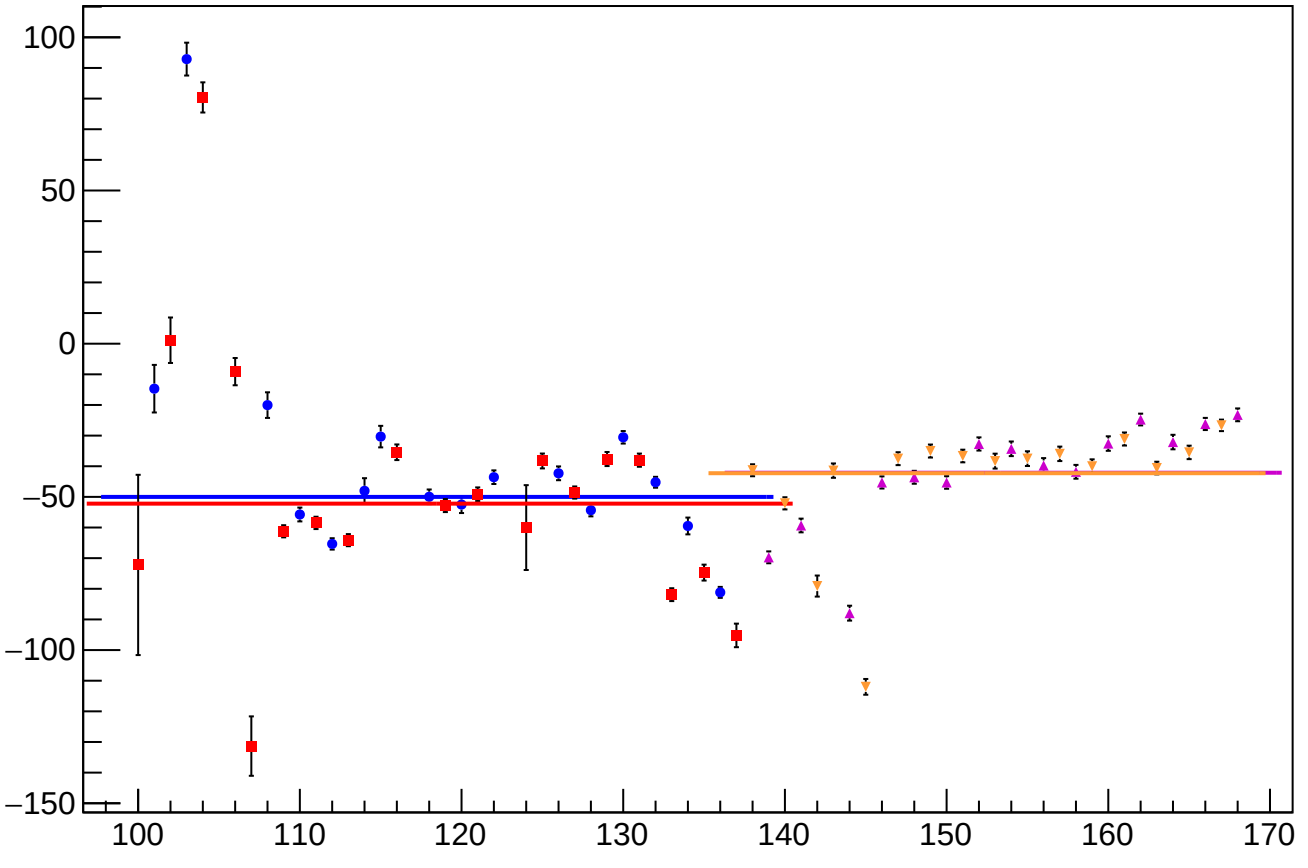
Left: 117.886+/-0.033 χ^2/NDF: 6450.3/30

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.926+/-0.042 χ^2/NDF:91281.3/30

Out: 113.914+/-0.040 χ^2/NDF:99669.1/34

All: 114.890+/-0.029 χ^2/NDF: 192153.6/65



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -42.274+/-0.553 χ^2/NDF:1019.8/15

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -42.118+/-0.558 χ^2/NDF:914.2/14

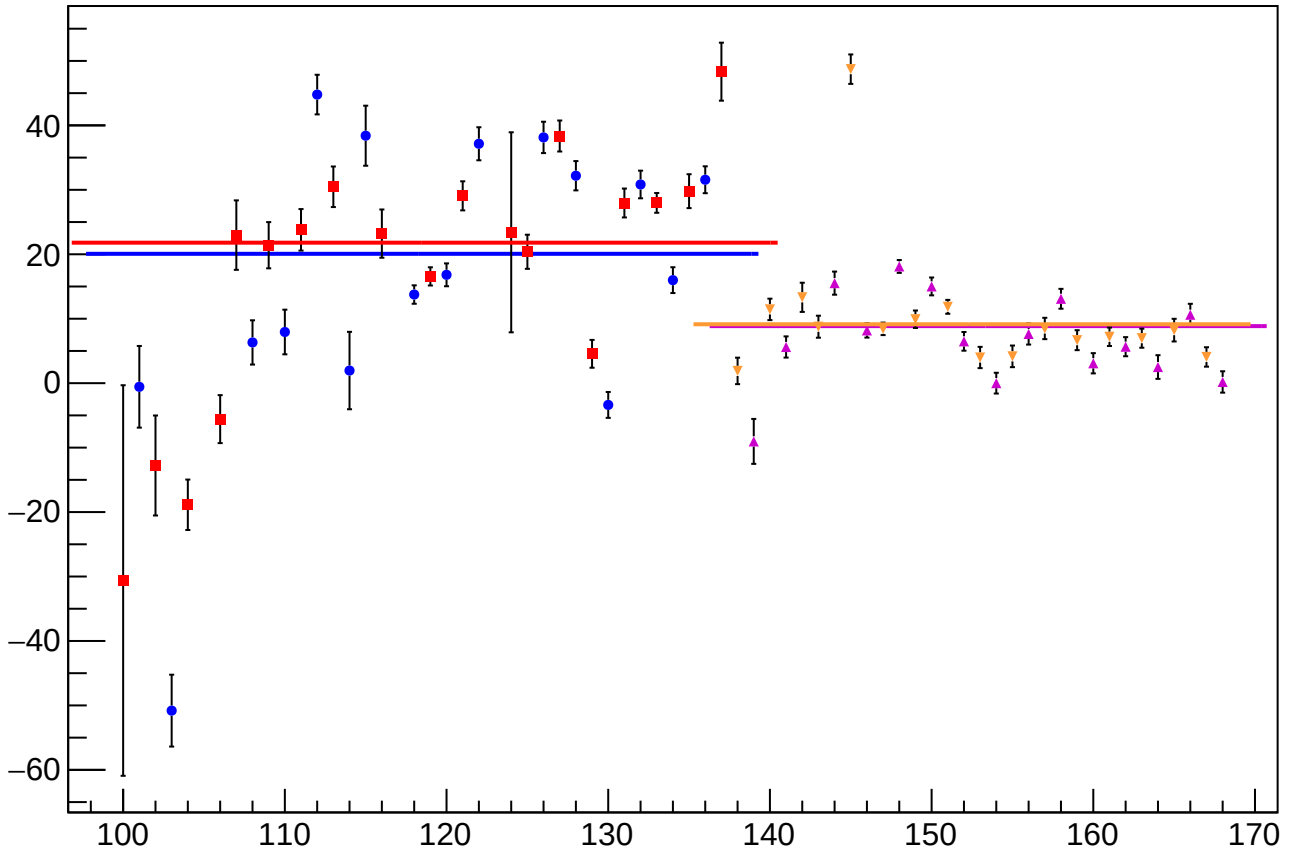
Left: -42.197+/-0.393 χ^2/NDF: 1934.1/30

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -45.709+/-0.412 χ^2/NDF:2332.8/30

Out: -46.793+/-0.408 χ^2/NDF:2737.1/34

All: -46.256+/-0.290 χ^2/NDF: 5073.3/65



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.140+/-0.378 χ^2/NDF:361.8/15

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.852+/-0.389 χ^2/NDF:249.7/14

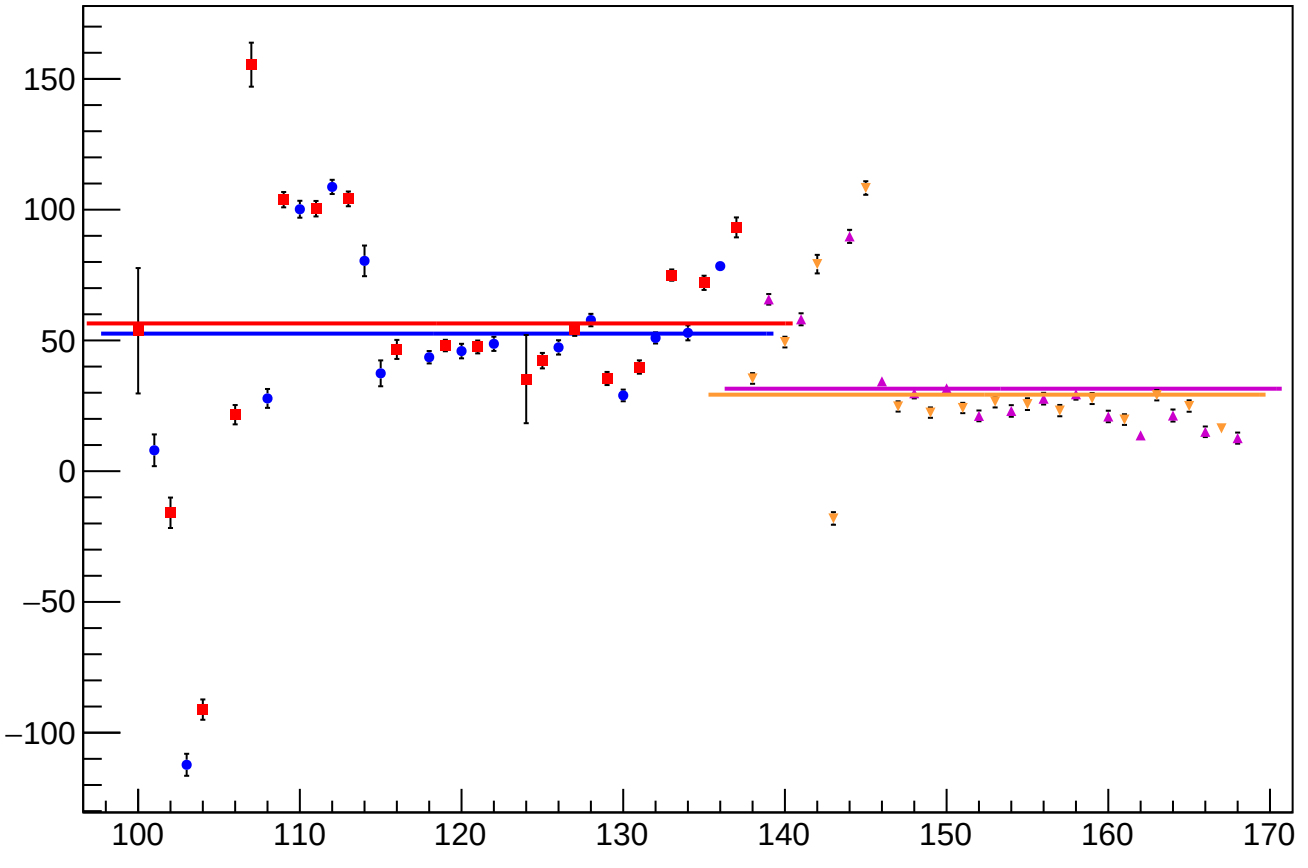
Left: 9.000+/-0.271 χ^2/NDF: 611.8/30

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.080+/-0.328 χ^2/NDF:1125.4/30

Out: 12.551+/-0.323 χ^2/NDF:1060.8/34

All: 12.319+/-0.230 χ^2/NDF: 2187.2/65



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 29.262+/-0.538 χ^2/NDF:1723.5/15

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 31.538+/-0.540 χ^2/NDF:1289.3/14

Left: 30.394+/-0.381 χ^2/NDF: 3021.8/30

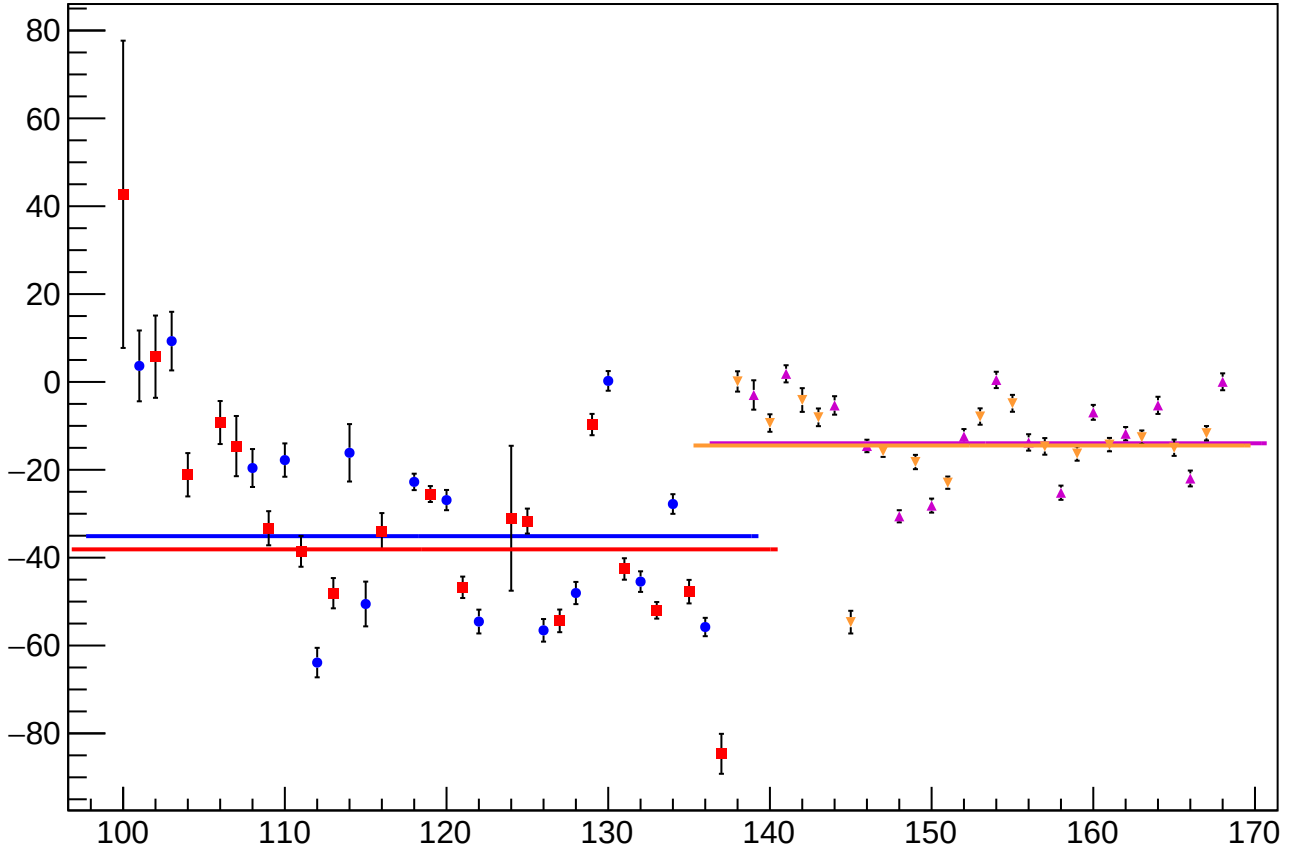
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 39.457+/-0.427 χ^2/NDF:4520.0/30

Out: 39.272+/-0.428 χ^2/NDF:5631.9/34

All: 39.365+/-0.302 χ^2/NDF: 10152.0/65

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: -14.464+/-0.441 χ^2/NDF:399.4/15

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -13.965+/-0.452 χ^2/NDF:536.4/14

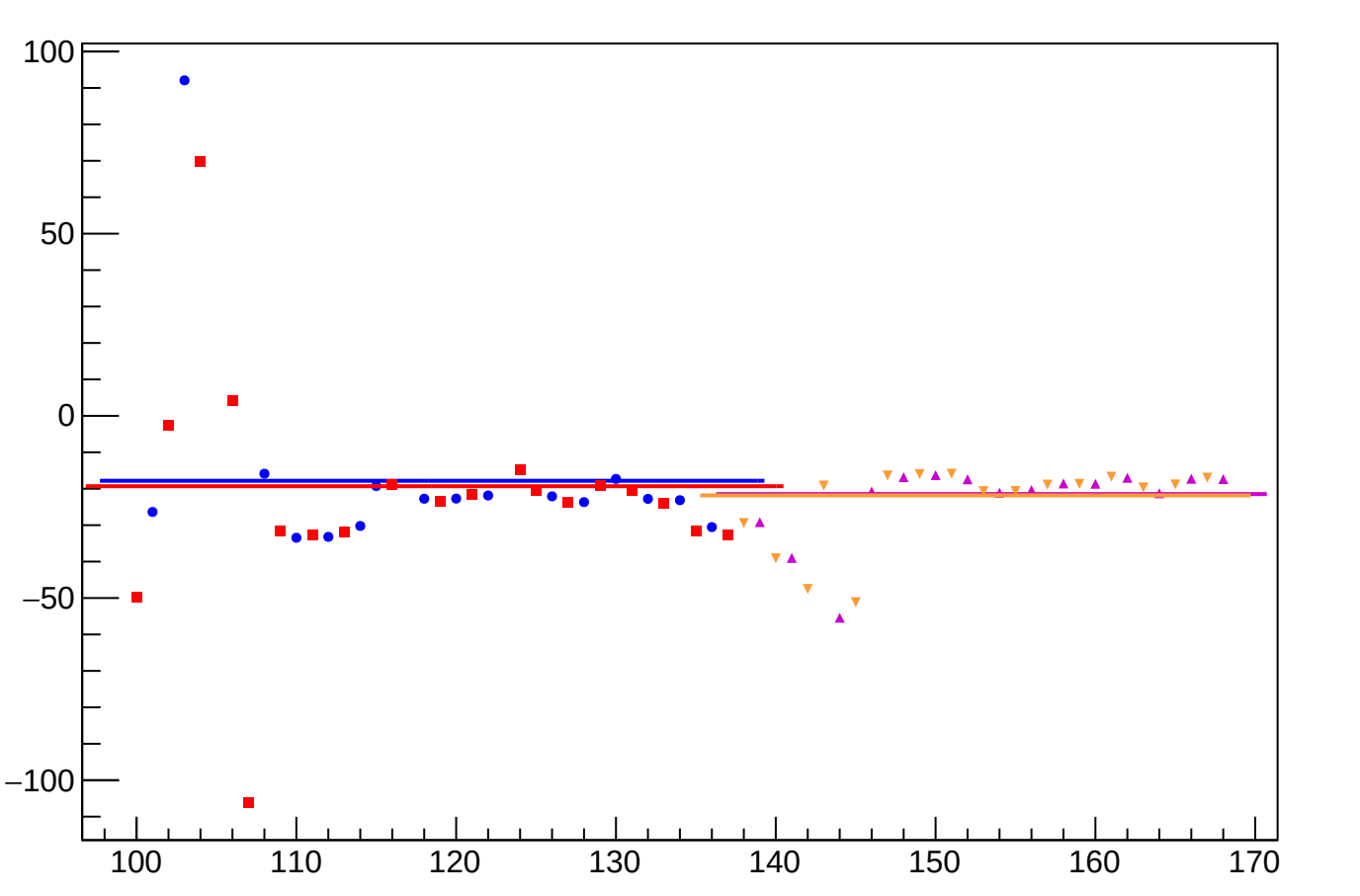
Left: -14.221+/-0.316 χ^2/NDF: 936.5/30

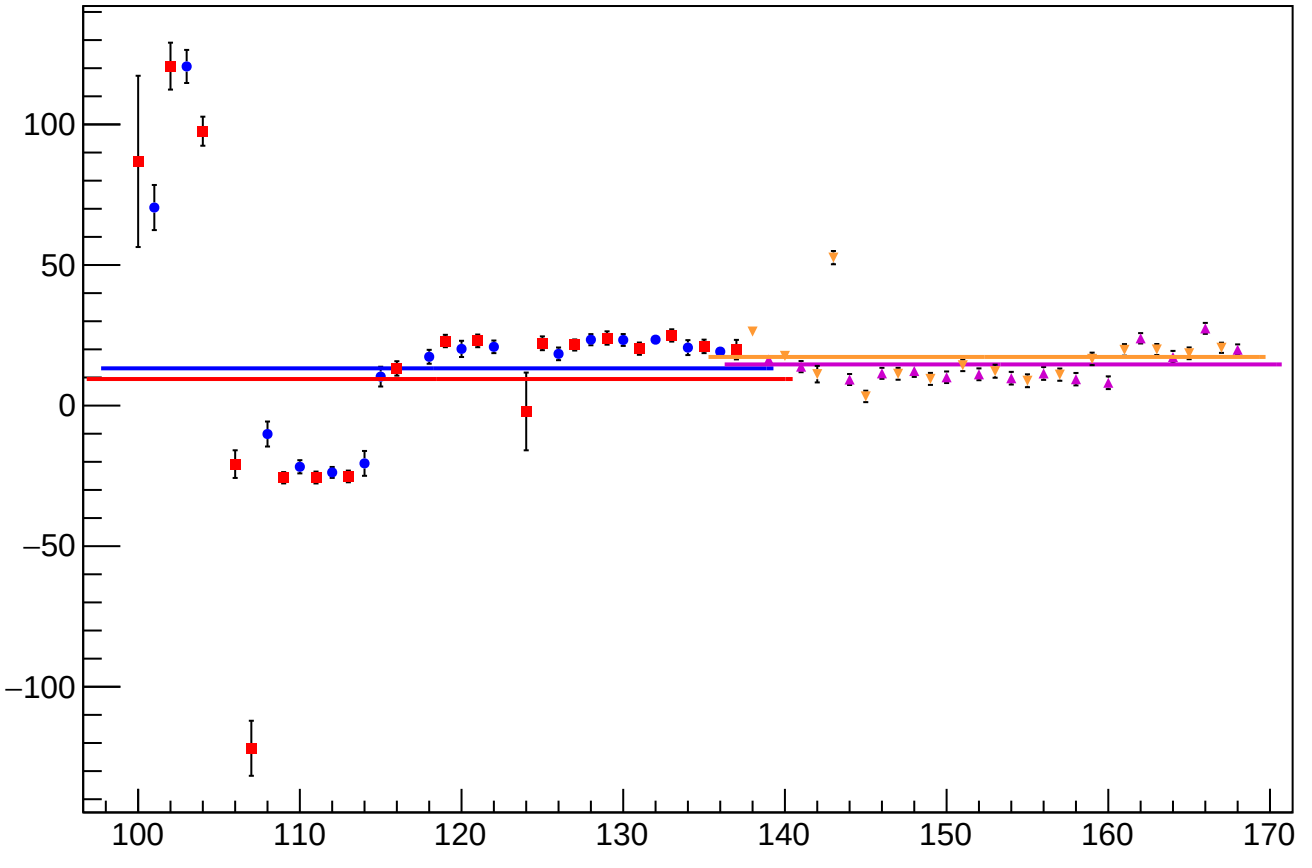
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.186+/-0.380 χ^2/NDF:1953.1/30

Out: -20.988+/-0.375 χ^2/NDF:1708.4/34

All: -20.592+/-0.267 χ^2/NDF: 3663.7/65


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -17.817+/-0.043 χ²/NDF: 426105.1/15
Left Out: -21.831+/-0.020 χ²/NDF:190449.9/15
Right Out: -19.311+/-0.046 χ²/NDF: 344626.7/18
Left In: -21.467+/-0.020 χ²/NDF:161951.0/14
Left: -21.648+/-0.014 χ²/NDF: 352563.0/30
Right: -18.516+/-0.032 χ²/NDF: 771290.6/34
In: -20.814+/-0.018 χ²/NDF:593909.9/30
Out: -21.423+/-0.019 χ²/NDF:537583.1/34
All: -21.114+/-0.013 χ²/NDF: 1132039.7/65



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.305+/-0.522 χ^2/NDF:358.7/15

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 14.643+/-0.524 χ^2/NDF:118.9/14

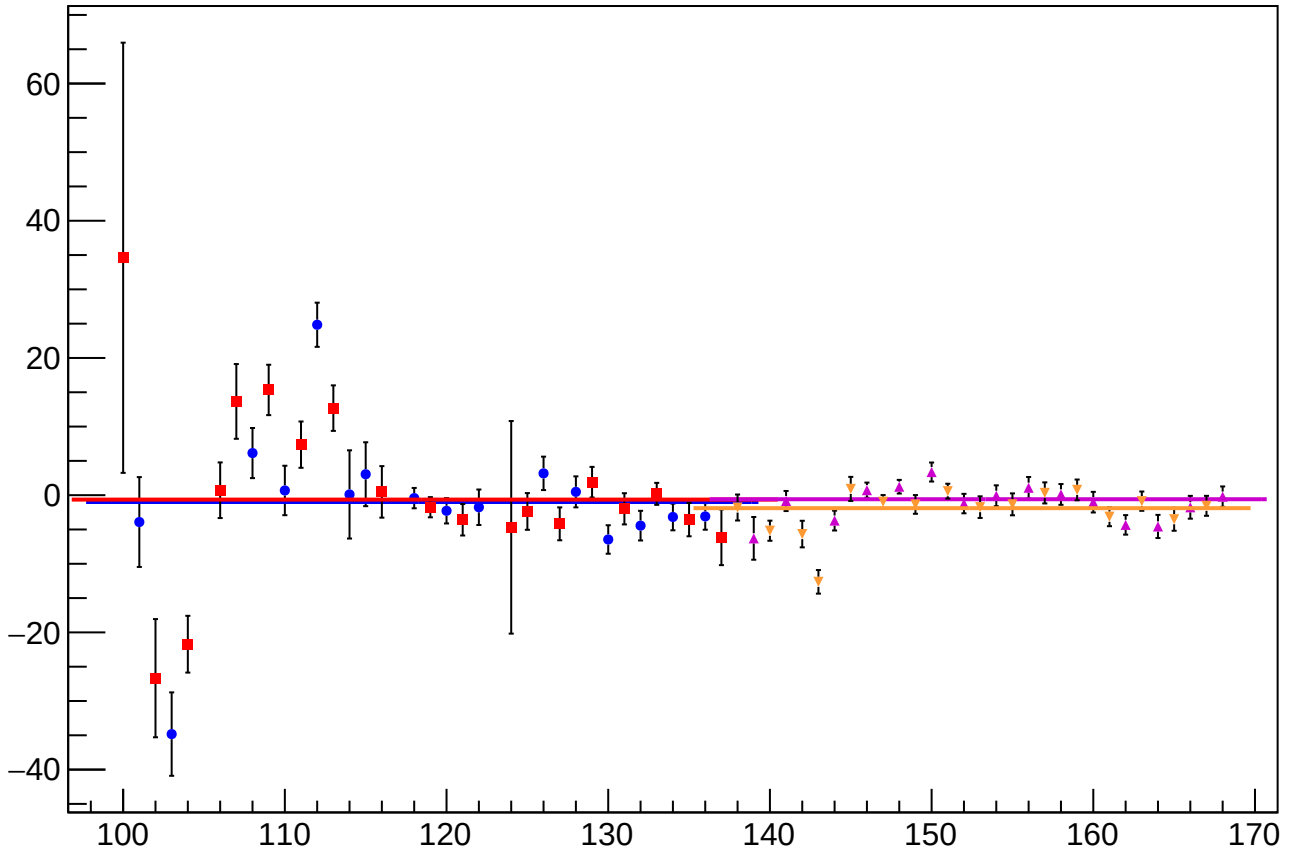
Left: 15.979+/-0.370 χ^2/NDF: 490.5/30

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.057+/-0.399 χ^2/NDF:1304.3/30

Out: 14.015+/-0.398 χ^2/NDF:2290.2/34

All: 14.036+/-0.282 χ^2/NDF: 3594.5/65



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.893+/-0.362 χ^2/NDF:64.3/15

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.591+/-0.371 χ^2/NDF:35.7/14

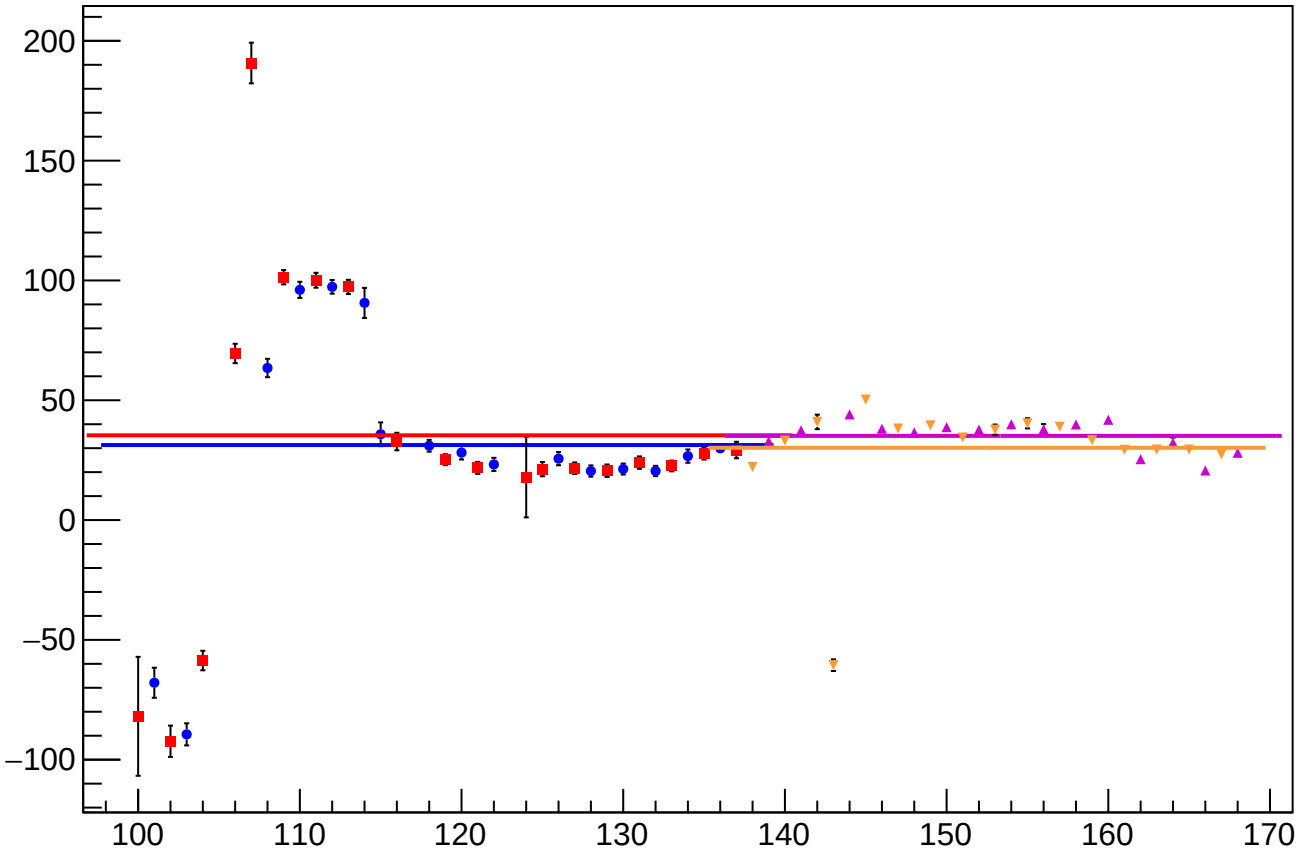
Left: -1.257+/-0.259 χ^2/NDF: 106.4/30

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.697+/-0.318 χ^2/NDF:152.4/30

Out: -1.587+/-0.315 χ^2/NDF:161.5/34

All: -1.147+/-0.224 χ^2/NDF: 317.8/65



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.168+/-0.509 χ^2/NDF:1628.1/15

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 35.143+/-0.510 χ^2/NDF:152.4/14

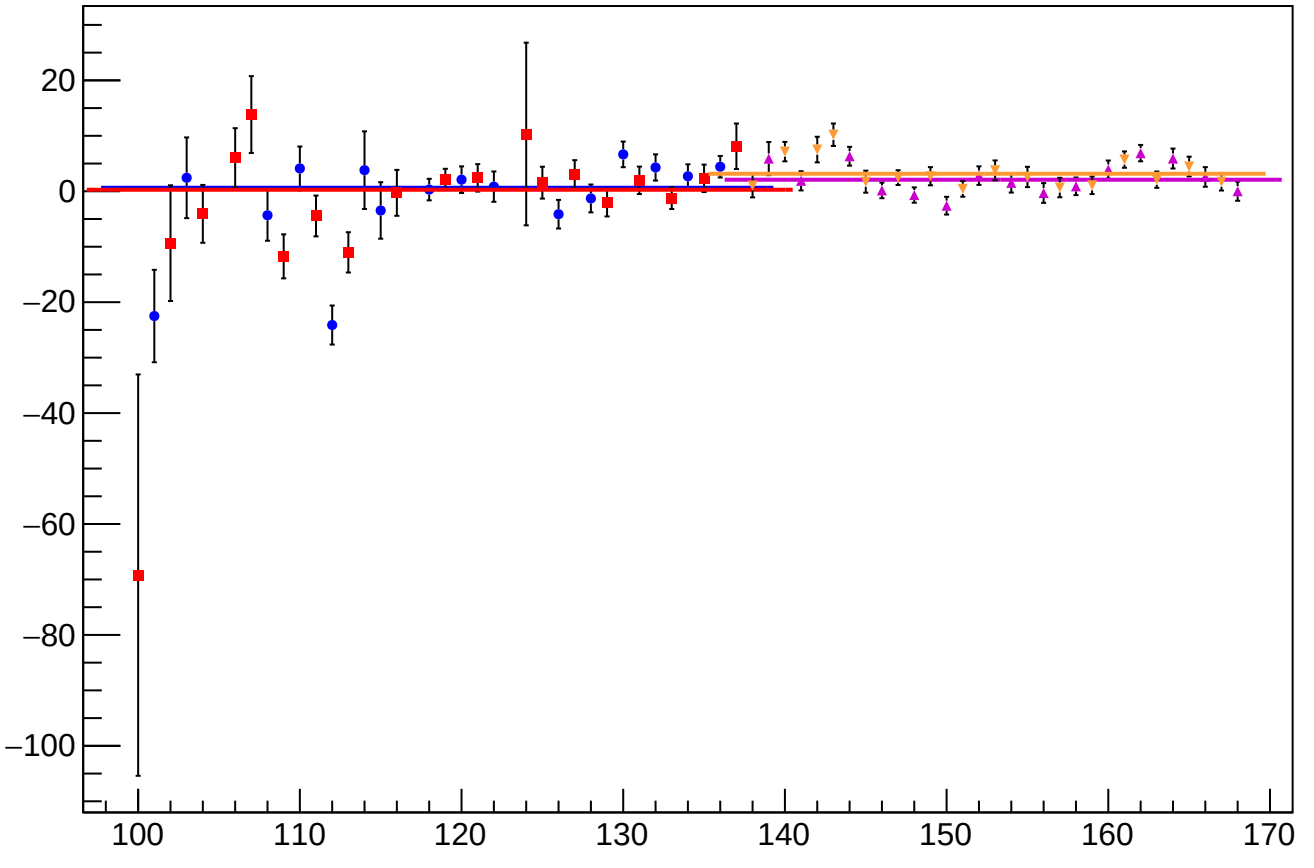
Left: 32.653+/-0.360 χ^2/NDF: 1828.1/30

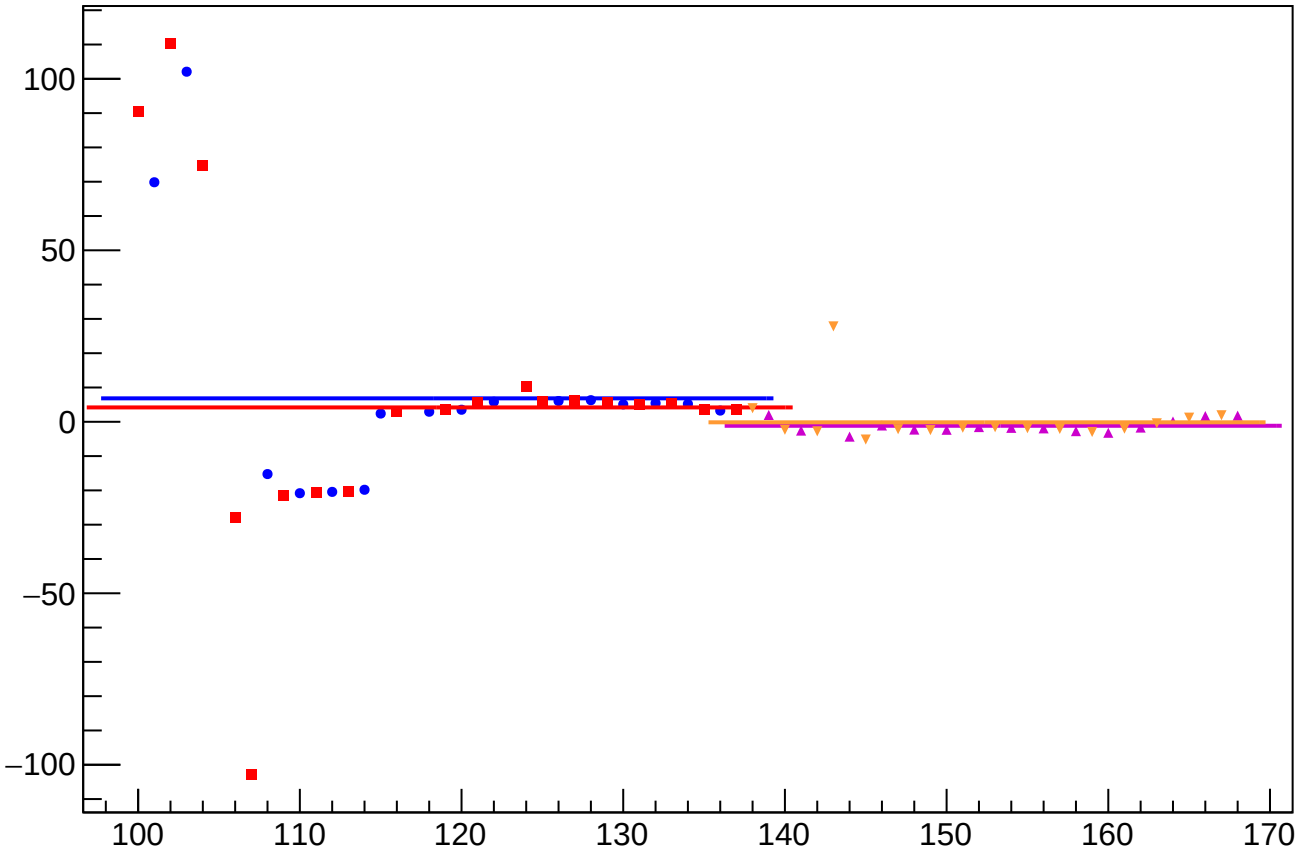
Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.814+/-0.412 χ^2/NDF:2257.8/30

Out: 31.911+/-0.415 χ^2/NDF:4560.7/34

All: 32.870+/-0.293 χ^2/NDF: 6829.1/65


reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 0.632+/-0.705 χ²/NDF: 78.4/15
Left Out: 3.156+/-0.421 χ²/NDF:35.2/15
Right Out: 0.274+/-0.726 χ²/NDF: 40.5/18
Left In: 2.082+/-0.430 χ²/NDF:42.9/14
Left: 2.630+/-0.301 χ²/NDF: 81.3/30
Right: 0.459+/-0.506 χ²/NDF: 119.0/34
In: 1.689+/-0.367 χ²/NDF:124.4/30
Out: 2.431+/-0.364 χ²/NDF:87.5/34
All: 2.062+/-0.259 χ²/NDF: 214.0/65



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.152+/-0.019 χ^2/NDF:92191.2/15

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.159+/-0.019 χ^2/NDF:9435.9/14

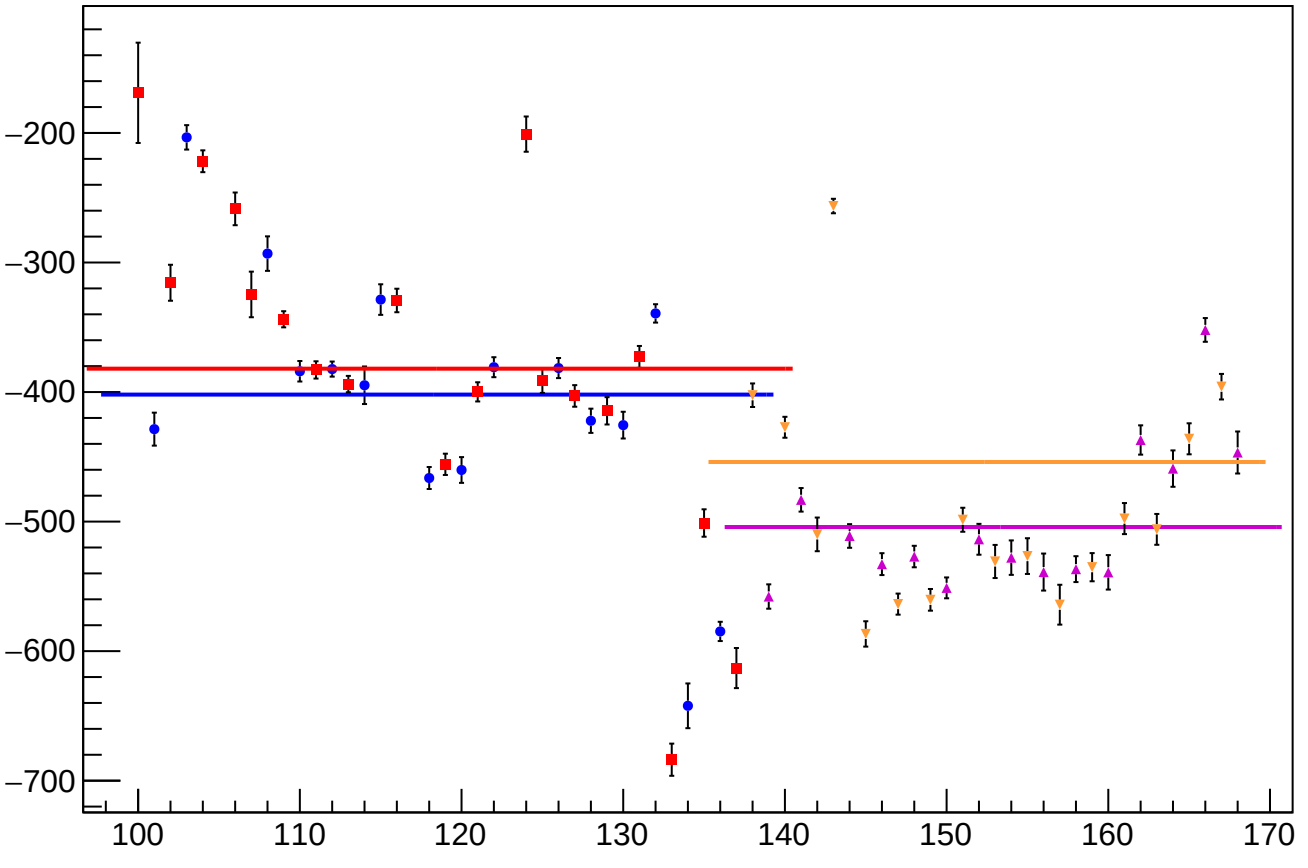
Left: -0.659+/-0.014 χ^2/NDF: 103015.5/30

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.160+/-0.017 χ^2/NDF:359481.2/30

Out: 0.484+/-0.018 χ^2/NDF:534245.2/34

All: 0.319+/-0.012 χ^2/NDF: 893897.1/65



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -453.979+/-2.410 χ^2/NDF:2103.1/15

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -504.196+/-2.661 χ^2/NDF:452.6/14

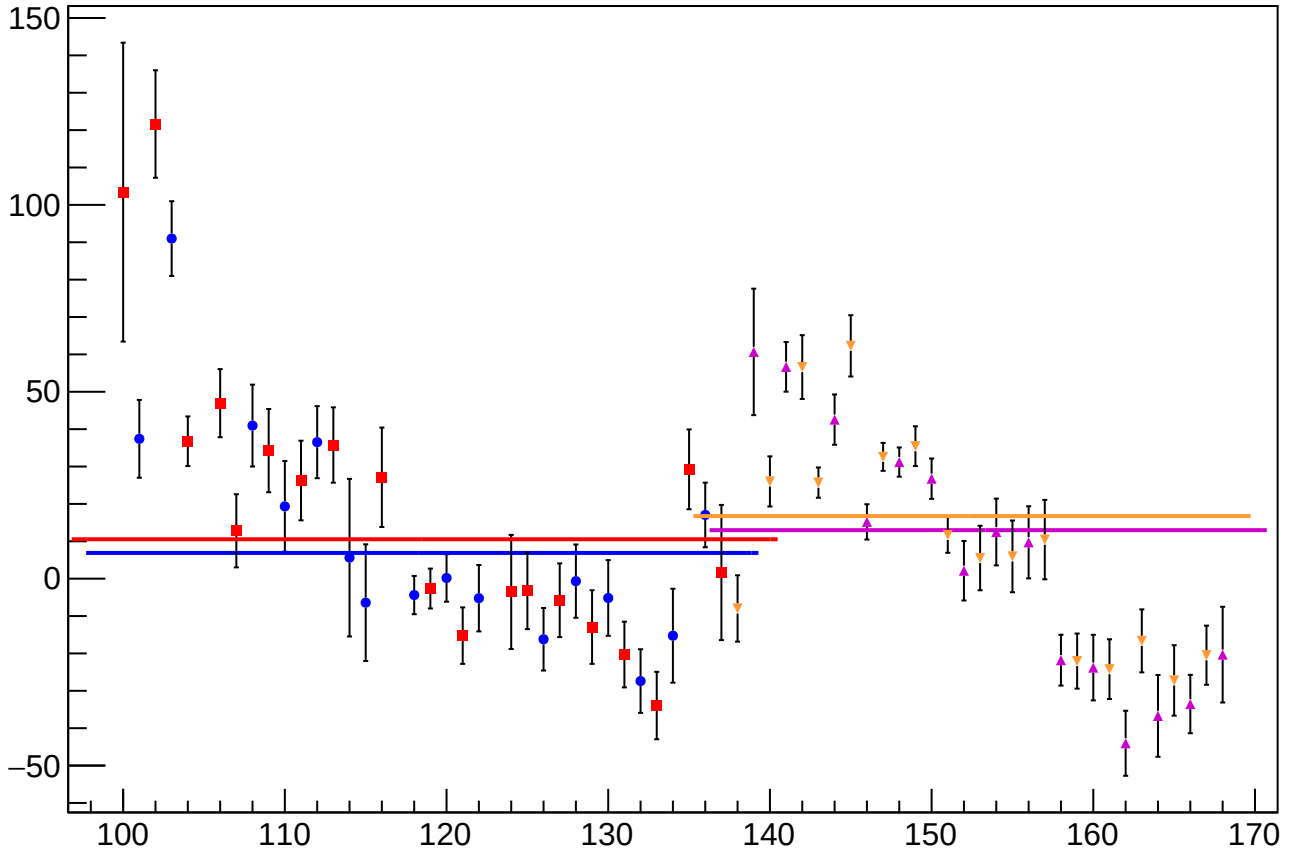
Left: -476.607+/-1.786 χ^2/NDF: 2751.4/30

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -444.270+/-1.712 χ^2/NDF:2881.0/30

Out: -413.443+/-1.594 χ^2/NDF:4423.2/34

All: -427.755+/-1.166 χ^2/NDF: 7477.9/65



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 16.746+/-1.614 χ^2/NDF:215.6/15

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 12.981+/-1.794 χ^2/NDF:250.6/14

Left: 15.062+/-1.200 χ^2/NDF: 468.6/30

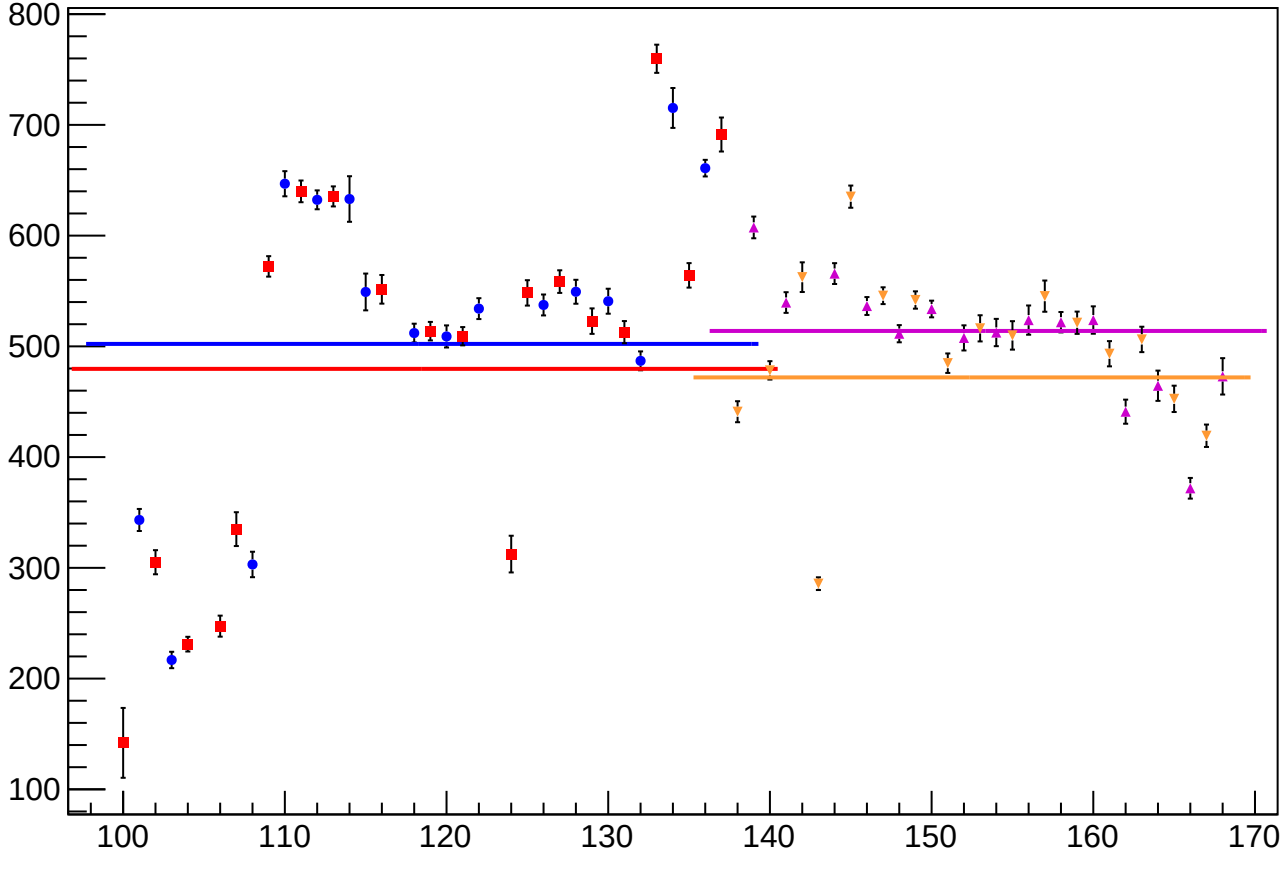
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.633+/-1.406 χ^2/NDF:393.5/30

Out: 14.572+/-1.301 χ^2/NDF:400.8/34

All: 12.755+/-0.955 χ^2/NDF: 798.5/65

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: 471.966+/-2.368 χ^2/NDF:1666.3/15

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 513.921+/-2.581 χ^2/NDF:441.3/14

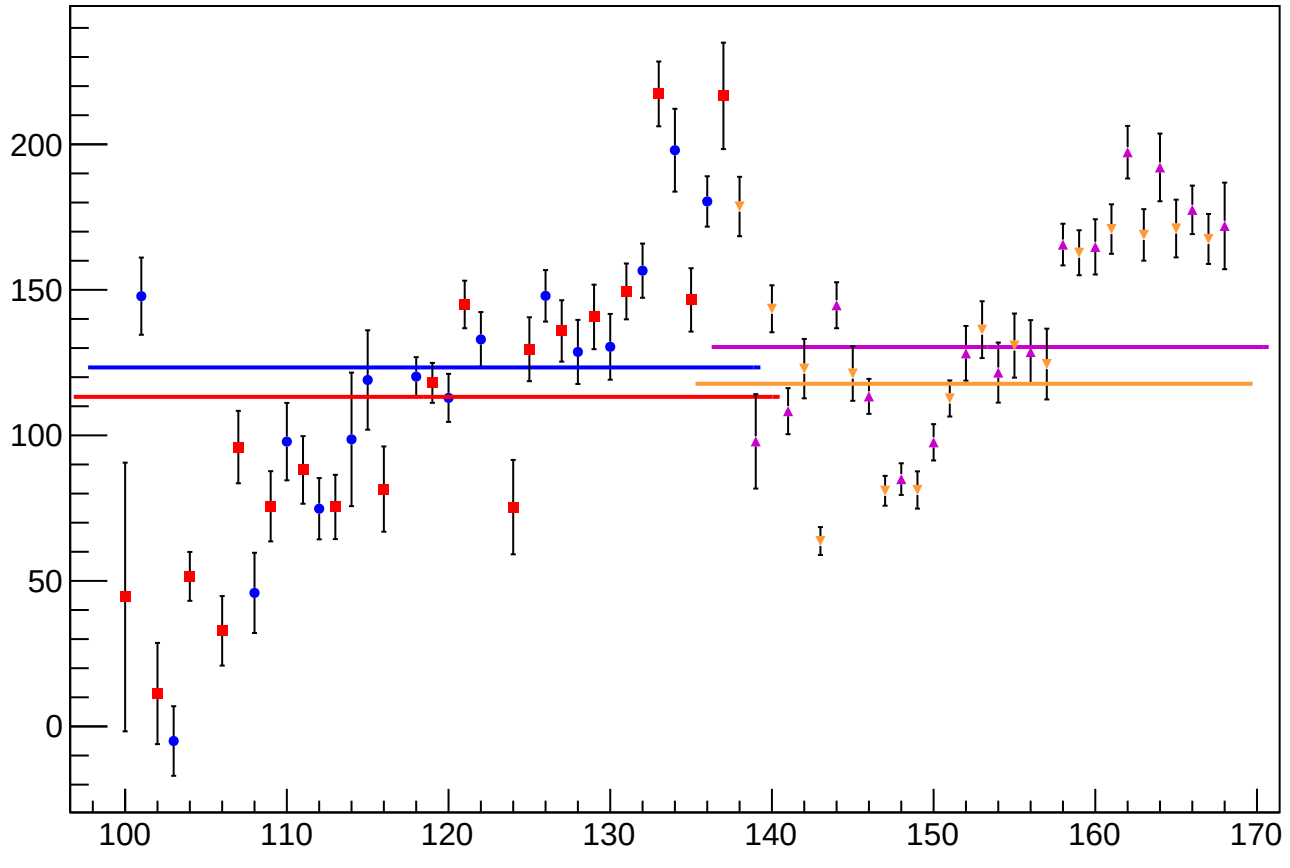
Left: 491.143+/-1.745 χ^2/NDF: 2251.1/30

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 507.865+/-1.793 χ^2/NDF:3587.2/30

Out: 475.771+/-1.685 χ^2/NDF:5810.0/34

All: 490.826+/-1.228 χ^2/NDF: 9567.3/65



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 117.731+/-1.922 χ^2/NDF:432.4/15

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 130.361+/-2.126 χ^2/NDF:281.4/14

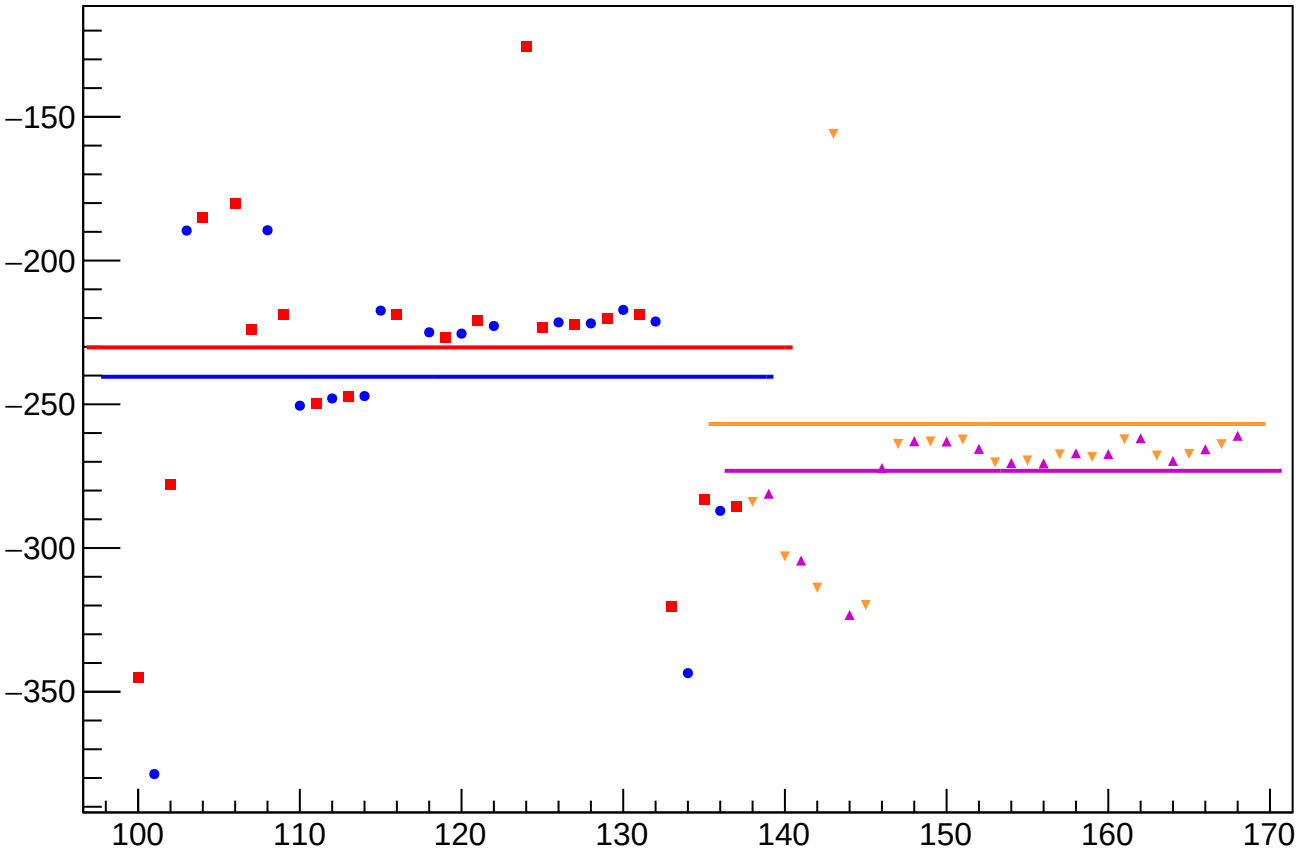
Left: 123.413+/-1.426 χ^2/NDF: 733.2/30

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.584+/-1.652 χ^2/NDF:557.0/30

Out: 116.098+/-1.534 χ^2/NDF:780.2/34

All: 121.414+/-1.124 χ^2/NDF: 1363.2/65



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.857+/-0.093 χ^2/NDF:240473.5/15

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -273.136+/-0.099 χ^2/NDF:26214.4/14

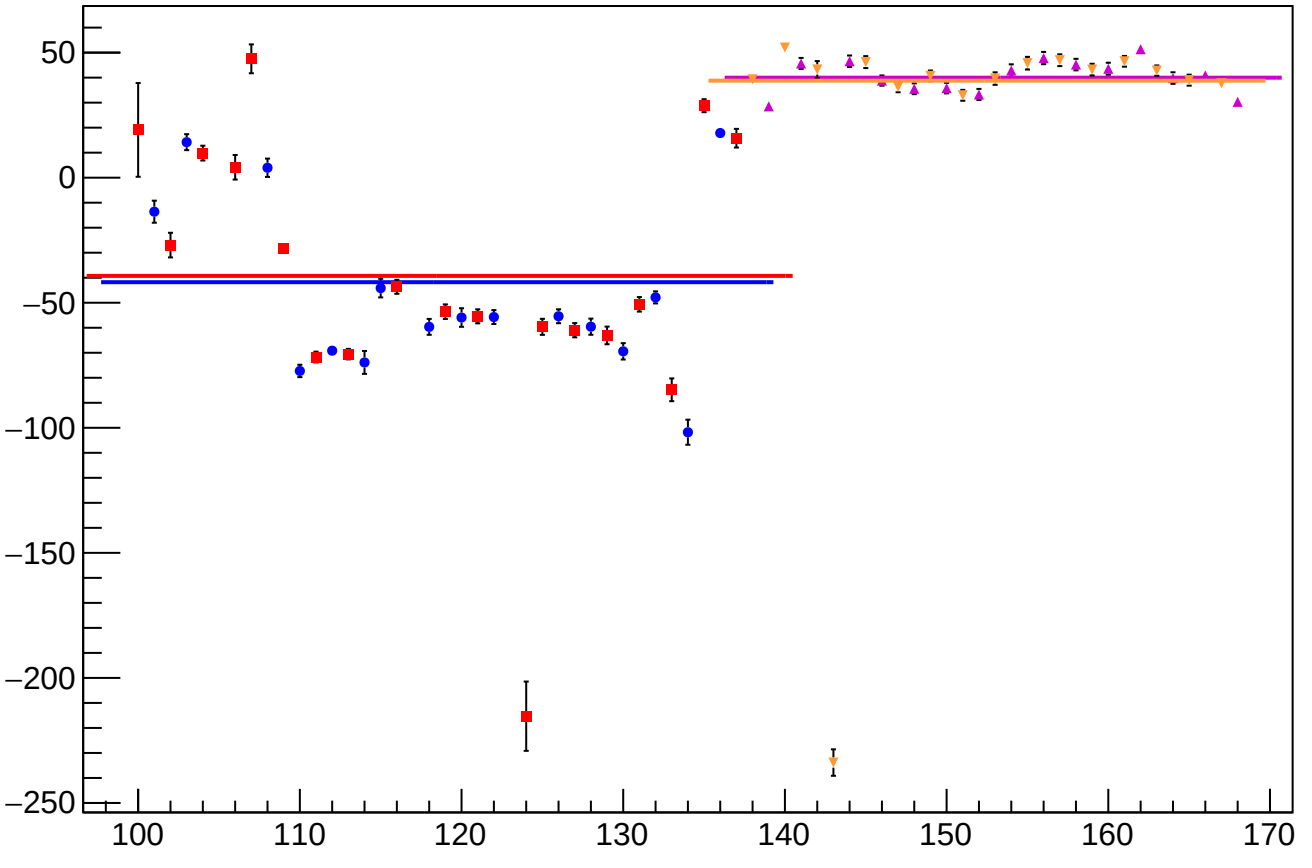
Left: -264.464+/-0.068 χ^2/NDF: 281076.7/30

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.255+/-0.083 χ^2/NDF:193321.0/30

Out: -249.229+/-0.078 χ^2/NDF:347526.2/34

All: -255.861+/-0.057 χ^2/NDF: 555989.9/65



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.788+/-0.569 χ^2/NDF:2763.1/15

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 39.977+/-0.558 χ^2/NDF:145.8/14

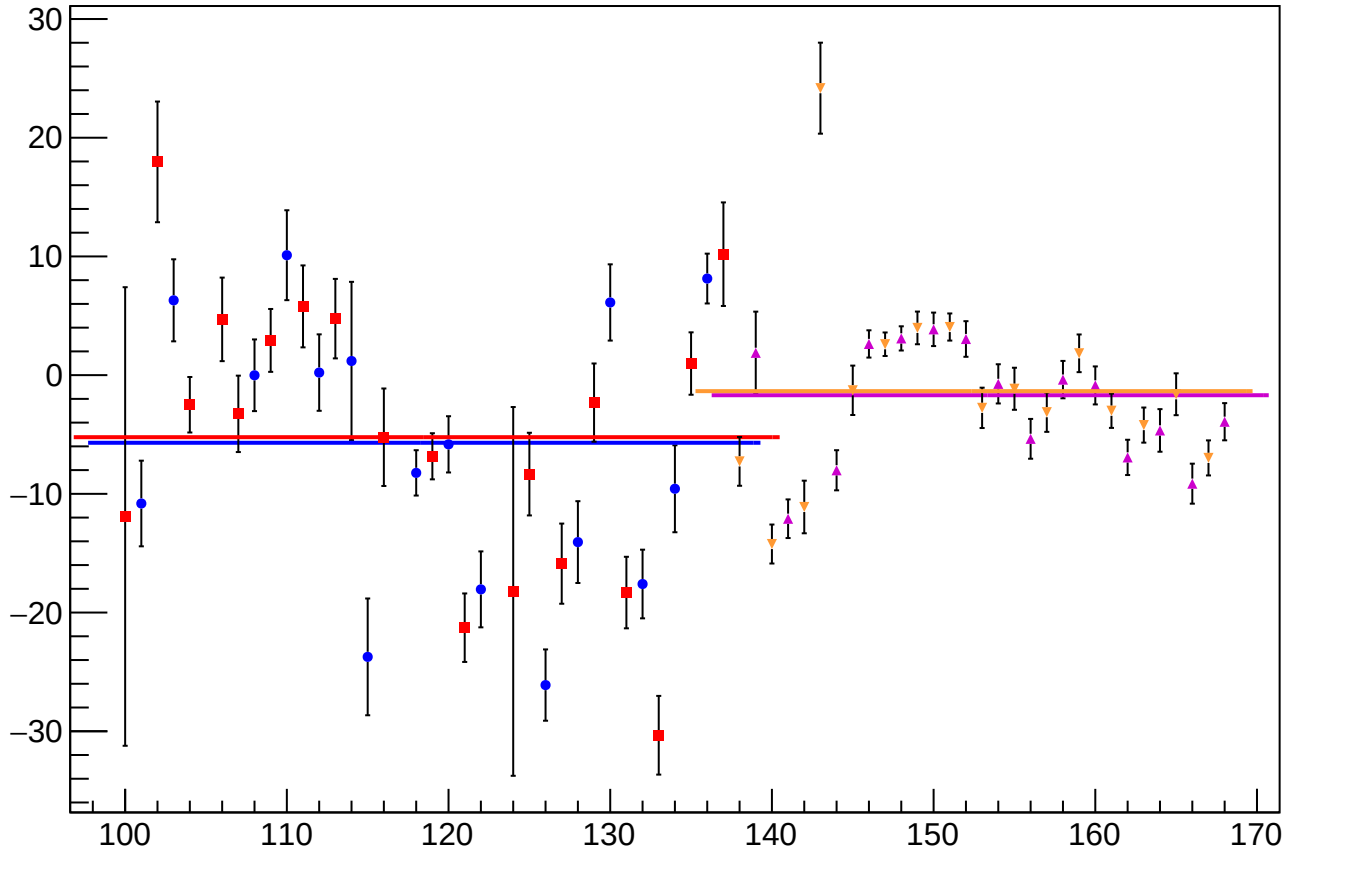
Left: 39.393+/-0.398 χ^2/NDF: 2911.2/30

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.437+/-0.442 χ^2/NDF:10561.0/30

Out: 6.649+/-0.436 χ^2/NDF:12999.4/34

All: 8.025+/-0.310 χ^2/NDF: 23580.5/65



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.349+/-0.390 χ^2/NDF:212.2/15

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -1.692+/-0.392 χ^2/NDF:160.4/14

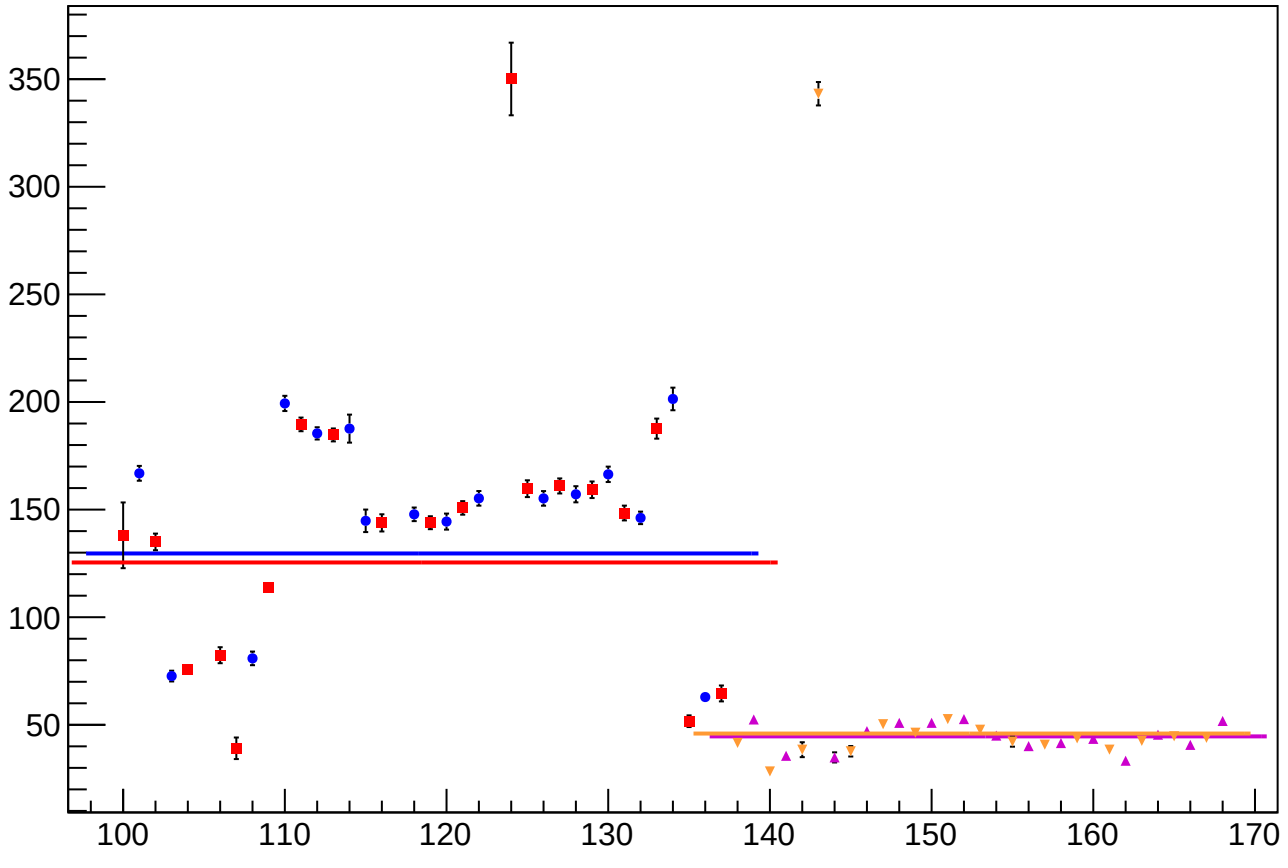
Left: -1.520+/-0.276 χ^2/NDF: 373.0/30

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.545+/-0.348 χ^2/NDF:379.4/30

Out: -2.193+/-0.345 χ^2/NDF:431.1/34

All: -2.368+/-0.245 χ^2/NDF: 811.0/65



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 45.947+/-0.553 χ^2/NDF:3126.7/15

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.628+/-0.542 χ^2/NDF:144.6/14

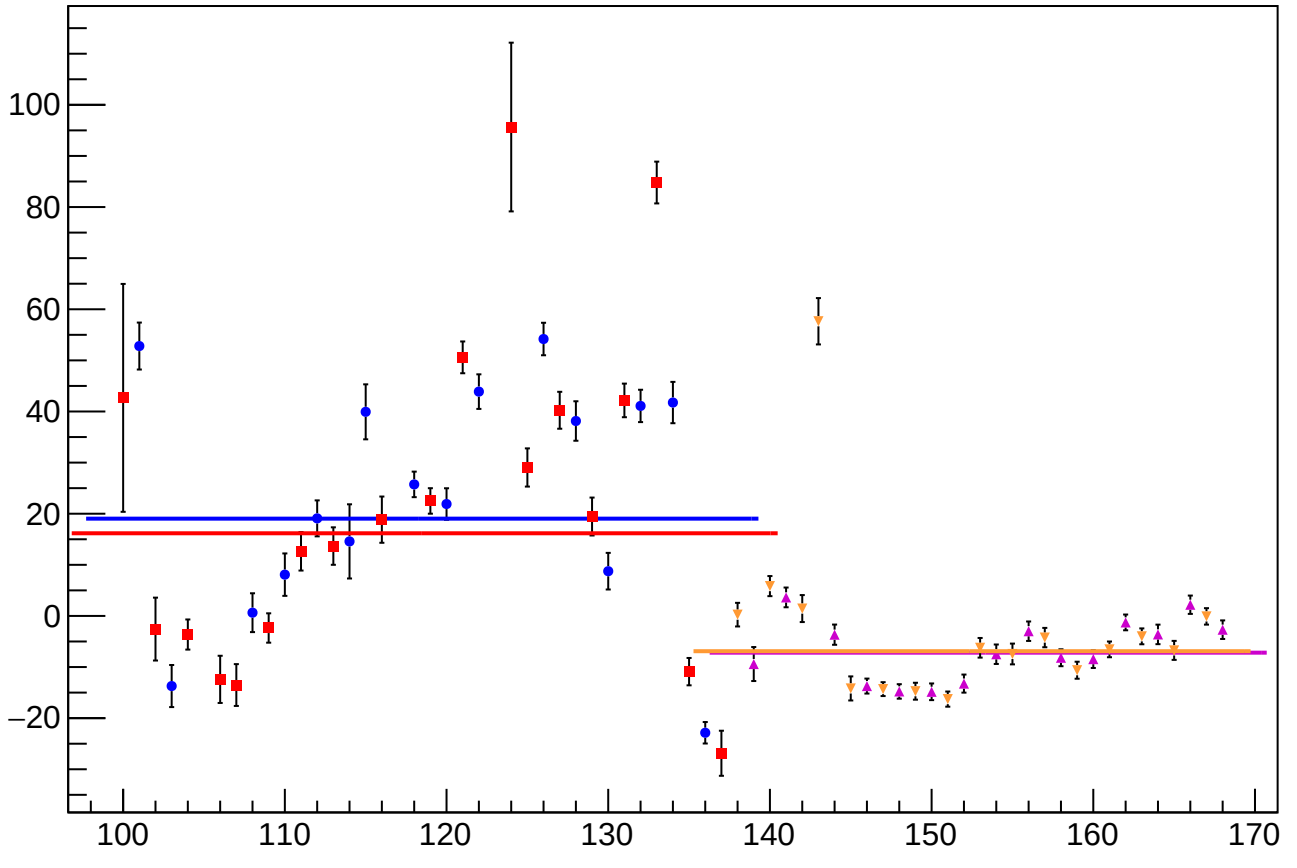
Left: 45.274+/-0.387 χ^2/NDF: 3274.3/30

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 71.348+/-0.449 χ^2/NDF:11495.7/30

Out: 72.089+/-0.453 χ^2/NDF:13427.6/34

All: 71.715+/-0.319 χ^2/NDF: 24924.7/65



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -6.902+/-0.454 χ^2/NDF:394.7/15

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -7.187+/-0.455 χ^2/NDF:174.8/14

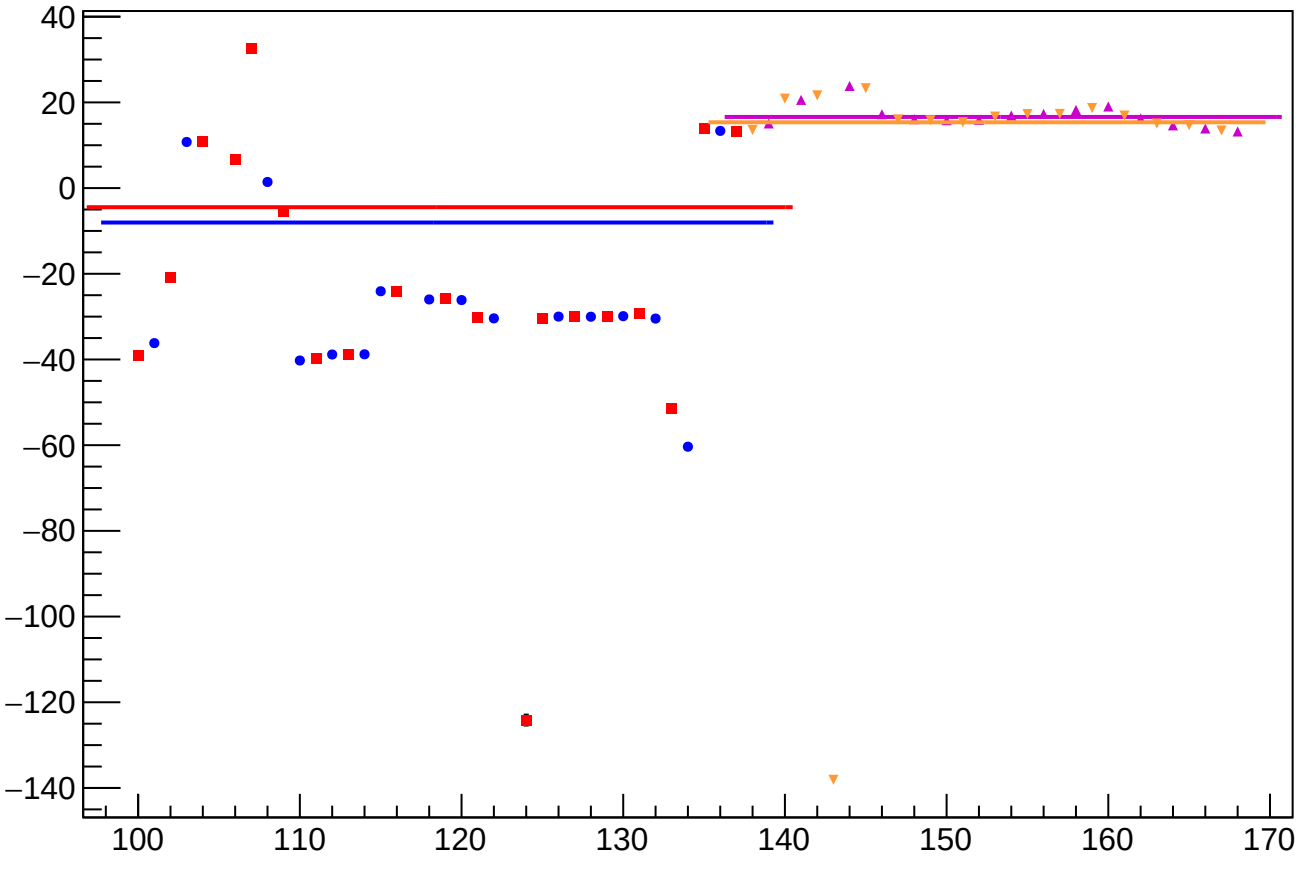
Left: -7.044+/-0.321 χ^2/NDF: 569.7/30

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.454+/-0.402 χ^2/NDF:1759.4/30

Out: -1.739+/-0.400 χ^2/NDF:1913.5/34

All: -1.597+/-0.284 χ^2/NDF: 3673.2/65



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.355+/-0.021 χ^2/NDF:477145.1/15

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 16.605+/-0.020 χ^2/NDF:12946.7/14

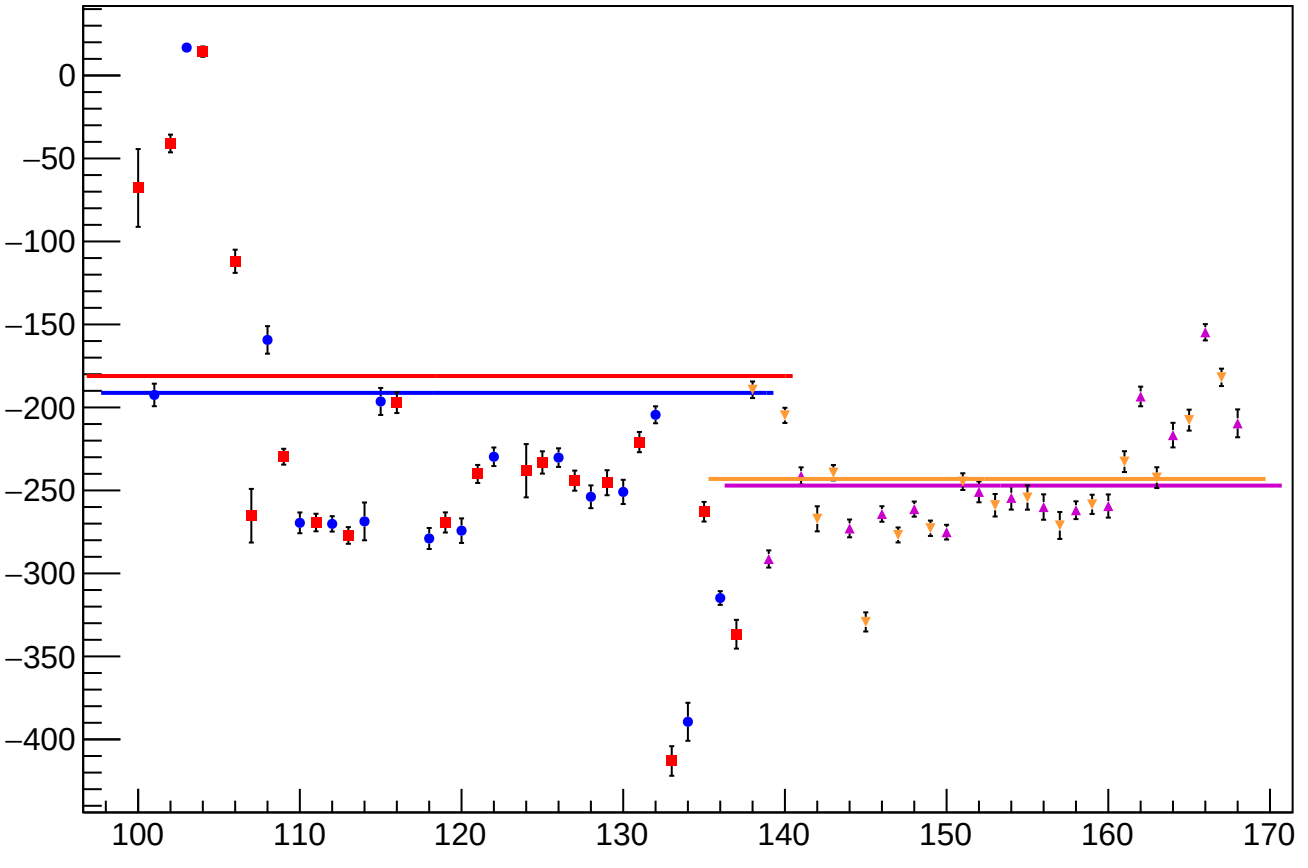
Left: 15.996+/-0.014 χ^2/NDF: 491949.5/30

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.581+/-0.019 χ^2/NDF:522765.1/30

Out: 12.097+/-0.019 χ^2/NDF:855383.6/34

All: 12.345+/-0.013 χ^2/NDF: 1378482.0/65



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -243.083+/-1.394 χ^2/NDF:713.4/15

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -247.082+/-1.452 χ^2/NDF:648.3/14

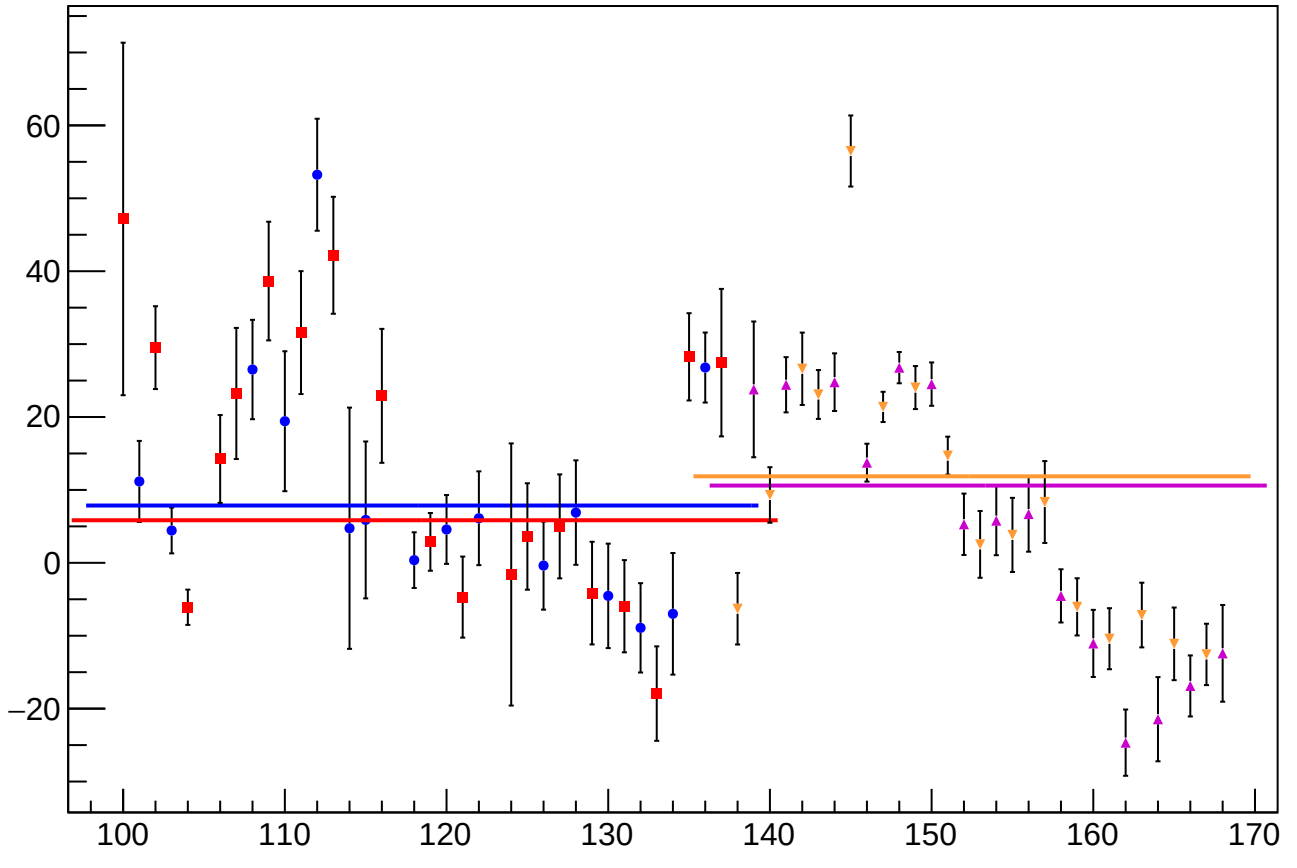
Left: -245.001+/-1.006 χ^2/NDF: 1365.6/30

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

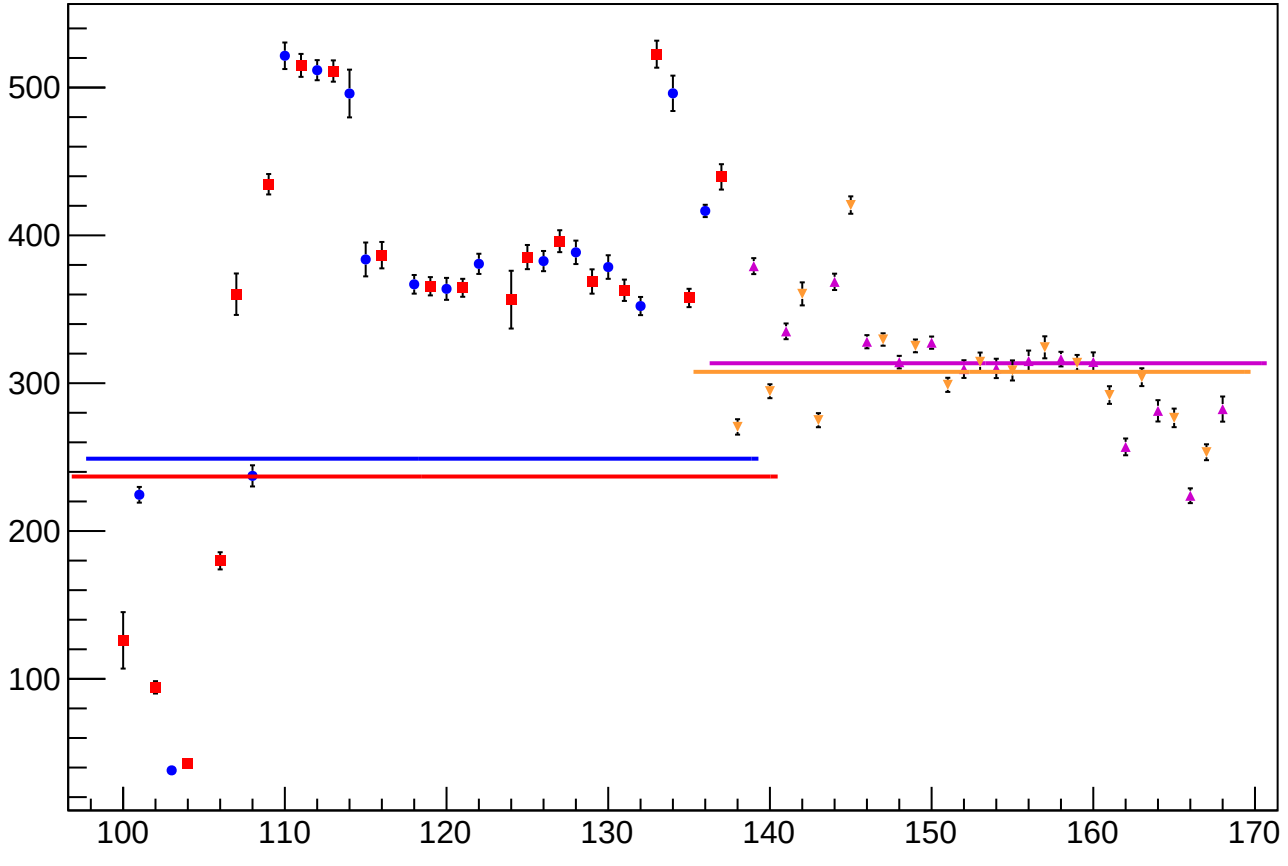
In: -218.497+/-1.015 χ^2/NDF:8629.9/30

Out: -211.819+/-0.982 χ^2/NDF:9084.5/34

All: -215.047+/-0.706 χ^2/NDF: 17736.8/65


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 11.865+/-0.927 χ²/NDF:286.9/15
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 10.598+/-0.979 χ²/NDF:297.1/14
Left: 11.267+/-0.673 χ²/NDF: 584.9/30
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 9.730+/-0.809 χ²/NDF:380.5/30
Out: 9.946+/-0.765 χ²/NDF:442.2/34
All: 9.844+/-0.556 χ²/NDF: 822.7/65

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: 307.686+/-1.361 χ^2/NDF:707.5/15

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 313.495+/-1.407 χ^2/NDF:739.2/14

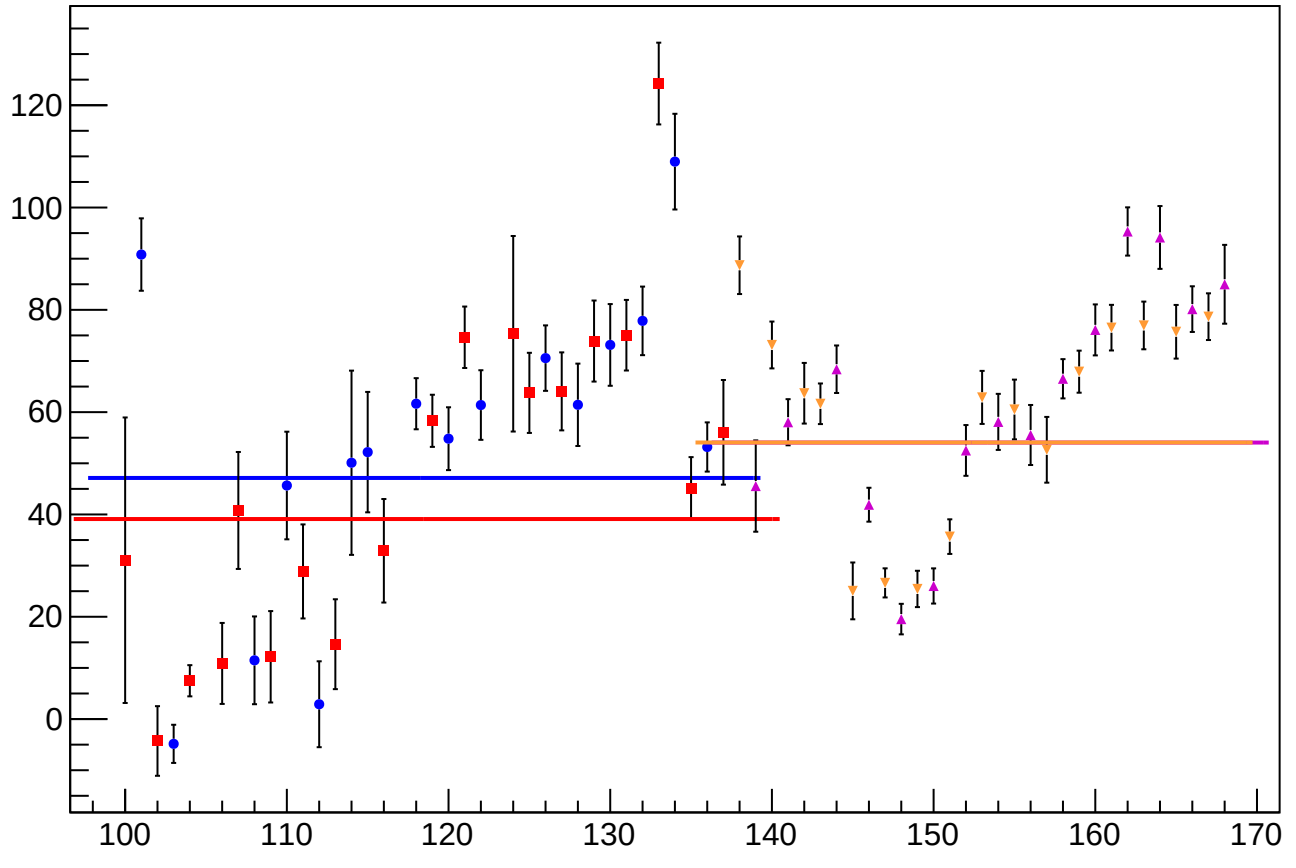
Left: 310.495+/-0.978 χ^2/NDF: 1455.6/30

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 281.558+/-1.000 χ^2/NDF:17083.6/30

Out: 273.446+/-0.978 χ^2/NDF:17673.8/34

All: 277.413+/-0.699 χ^2/NDF: 34791.0/65



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.067+/-1.101 χ^2/NDF:387.3/15

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 54.057+/-1.158 χ^2/NDF:425.0/14

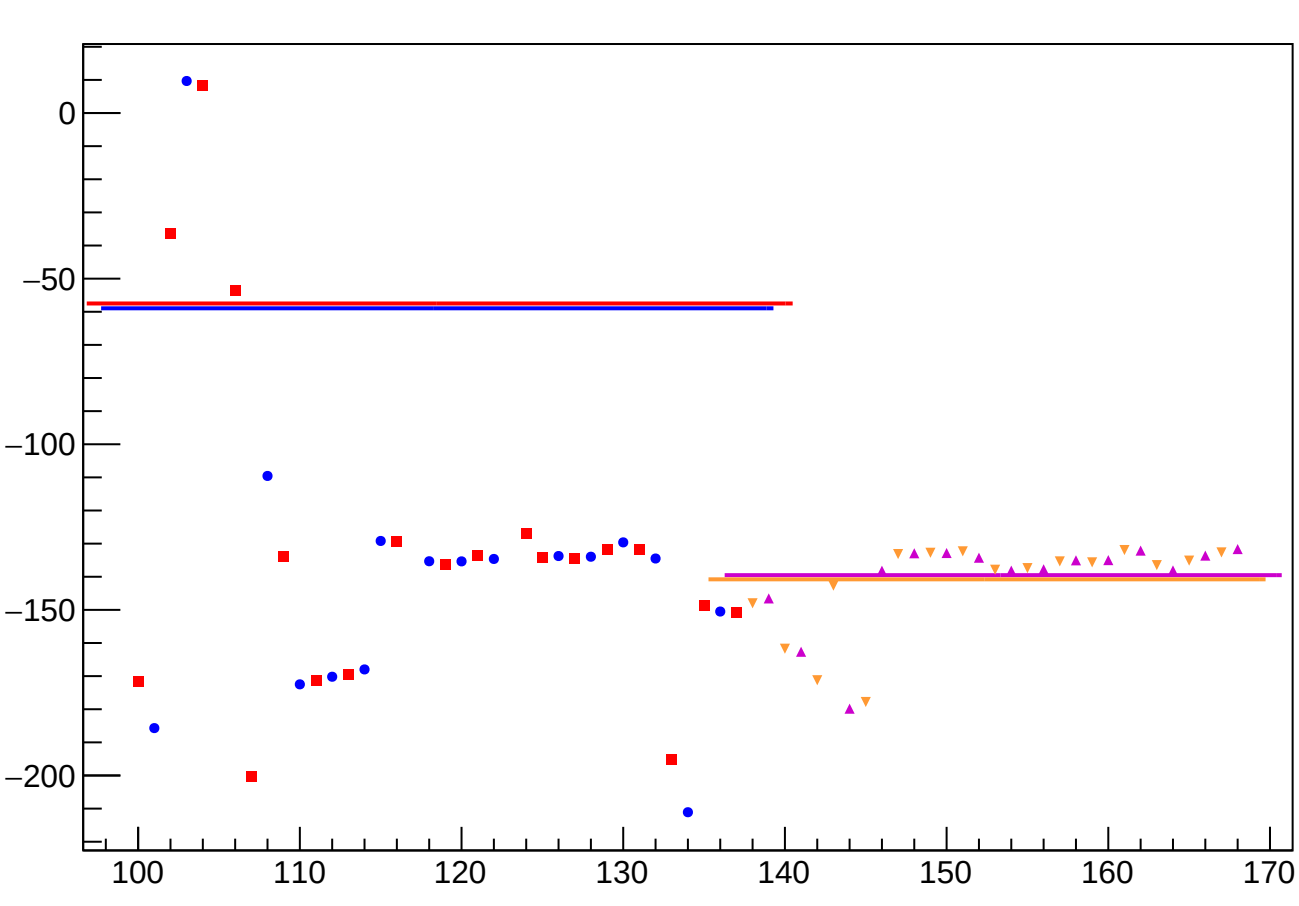
Left: 54.062+/-0.798 χ^2/NDF: 812.3/30

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.805+/-0.951 χ^2/NDF:822.0/30

Out: 49.240+/-0.906 χ^2/NDF:863.3/34

All: 50.461+/-0.656 χ^2/NDF: 1689.1/65



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -140.779+/-0.053 χ^2/NDF:57202.8/15

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -139.519+/-0.054 χ^2/NDF:46732.2/14

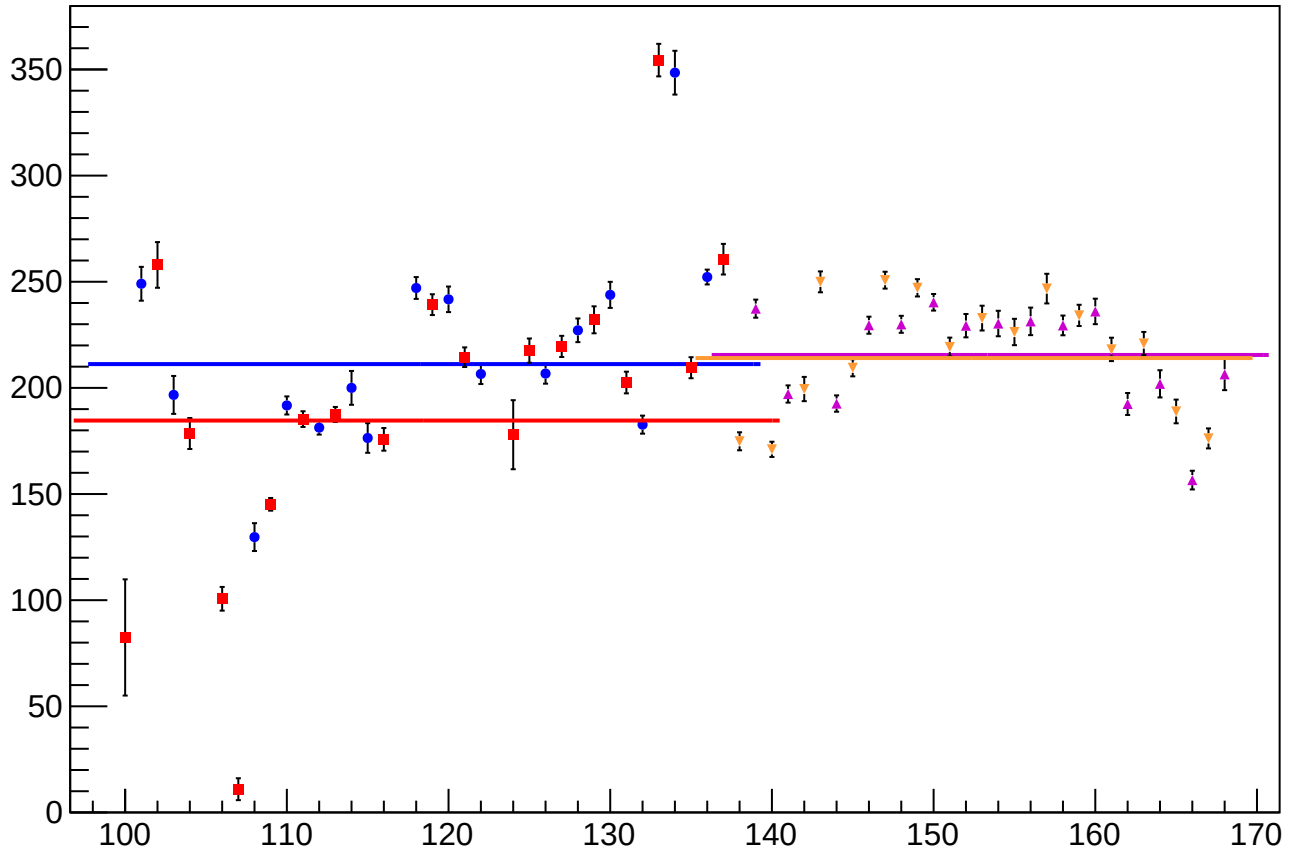
Left: -140.161+/-0.038 χ^2/NDF: 104215.3/30

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -110.992+/-0.043 χ^2/NDF:2069025.1/30

Out: -112.858+/-0.043 χ^2/NDF:1764559.4/34

All: -111.929+/-0.030 χ^2/NDF: 3834521.5/65



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.054+/-1.195 χ^2/NDF:582.0/15

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 215.514+/-1.228 χ^2/NDF:391.5/14

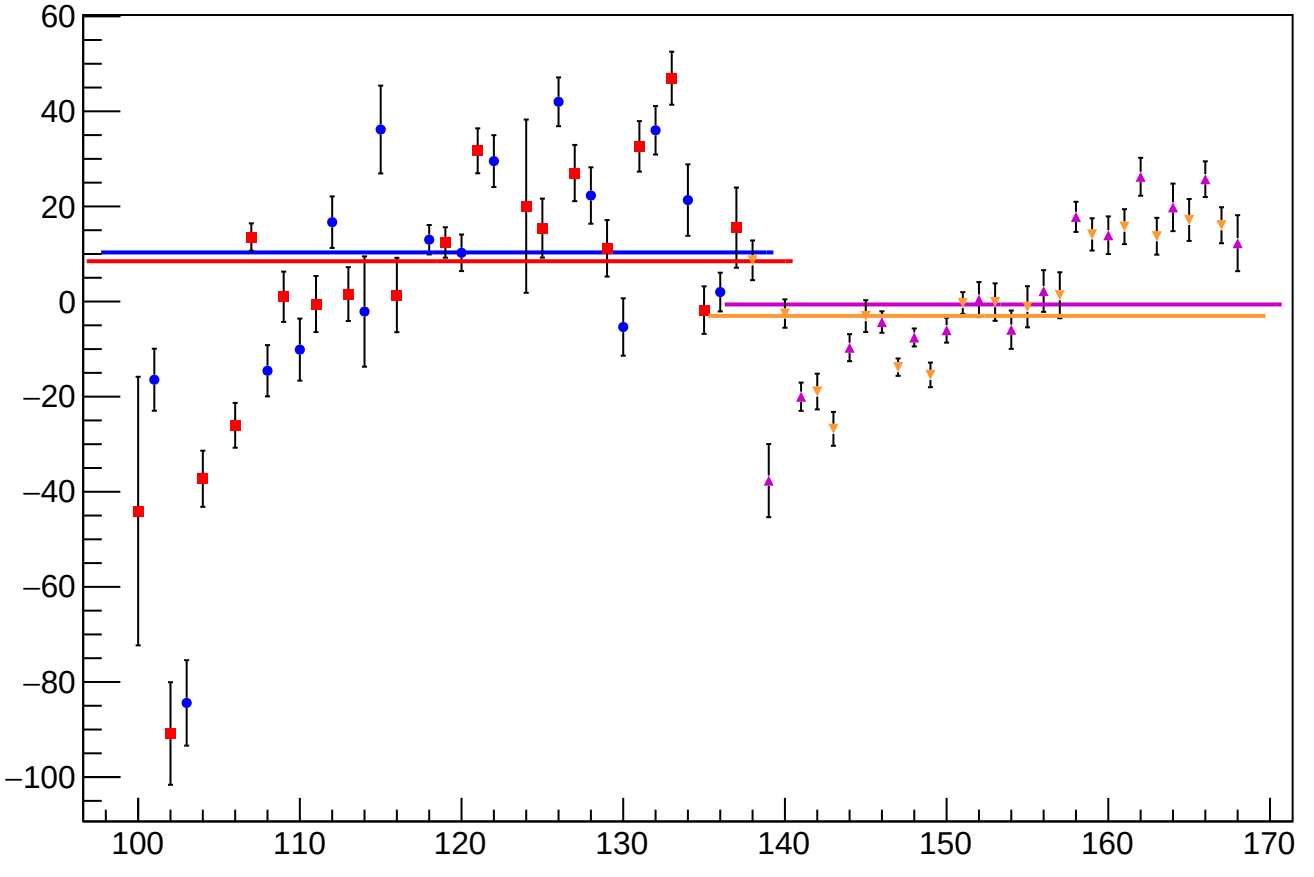
Left: 214.764+/-0.856 χ^2/NDF: 974.2/30

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.477+/-0.891 χ^2/NDF:1180.3/30

Out: 199.321+/-0.845 χ^2/NDF:3426.1/34

All: 206.017+/-0.613 χ^2/NDF: 4739.3/65



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -3.021+/-0.801 χ^2/NDF:247.7/15

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -0.616+/-0.836 χ^2/NDF:262.3/14

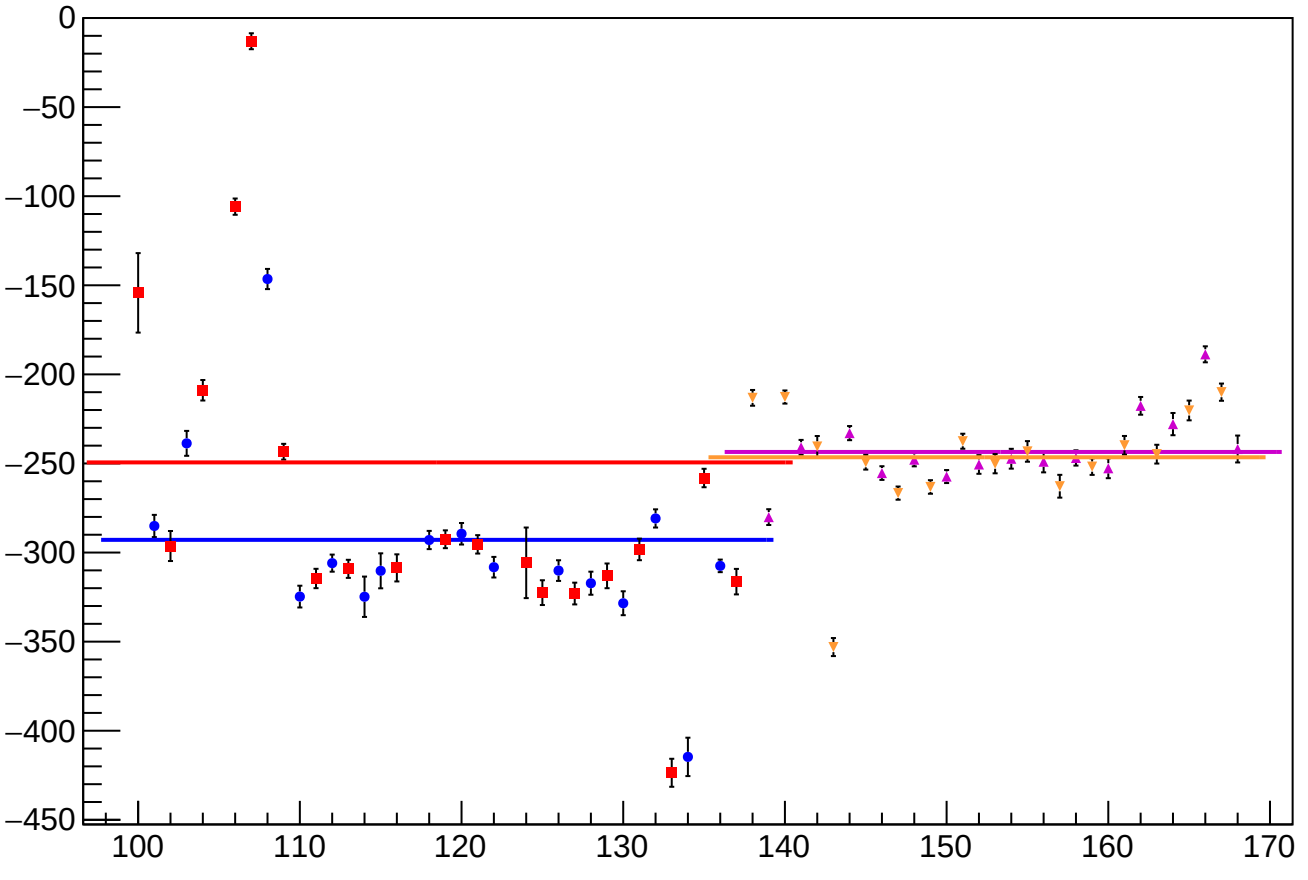
Left: -1.870+/-0.579 χ^2/NDF: 514.3/30

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.475+/-0.708 χ^2/NDF:574.0/30

Out: 0.427+/-0.670 χ^2/NDF:631.8/34

All: 1.395+/-0.487 χ^2/NDF: 1210.2/65



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -246.524+/-1.169 χ^2/NDF:728.1/15

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -243.539+/-1.193 χ^2/NDF:289.1/14

Left: -245.063+/-0.835 χ^2/NDF: 1020.4/30

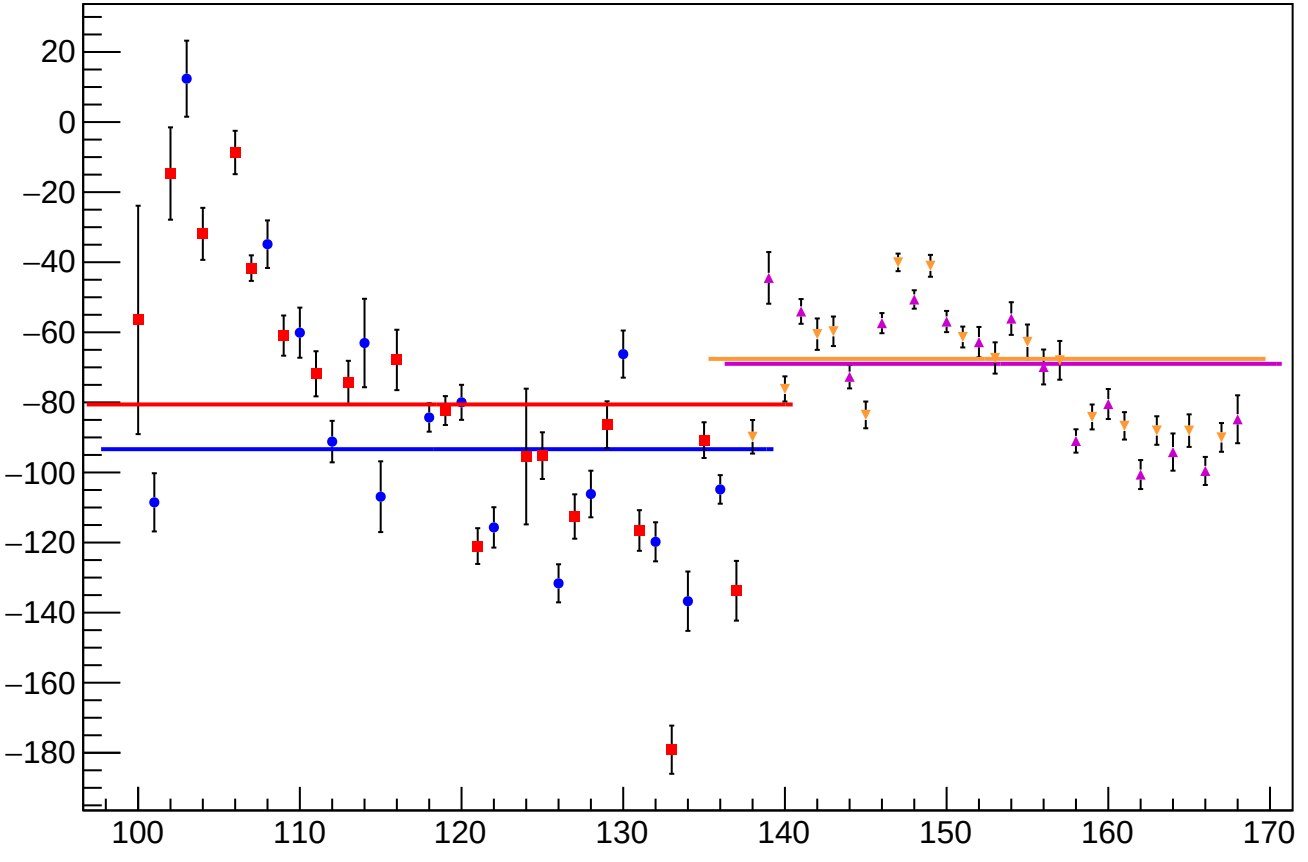
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -263.177+/-0.926 χ^2/NDF:1952.9/30

Out: -247.740+/-0.889 χ^2/NDF:6099.1/34

All: -255.143+/-0.641 χ^2/NDF: 8196.6/65

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: -67.585+/-0.951 χ^2/NDF:369.6/15

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -68.997+/-0.987 χ^2/NDF:316.5/14

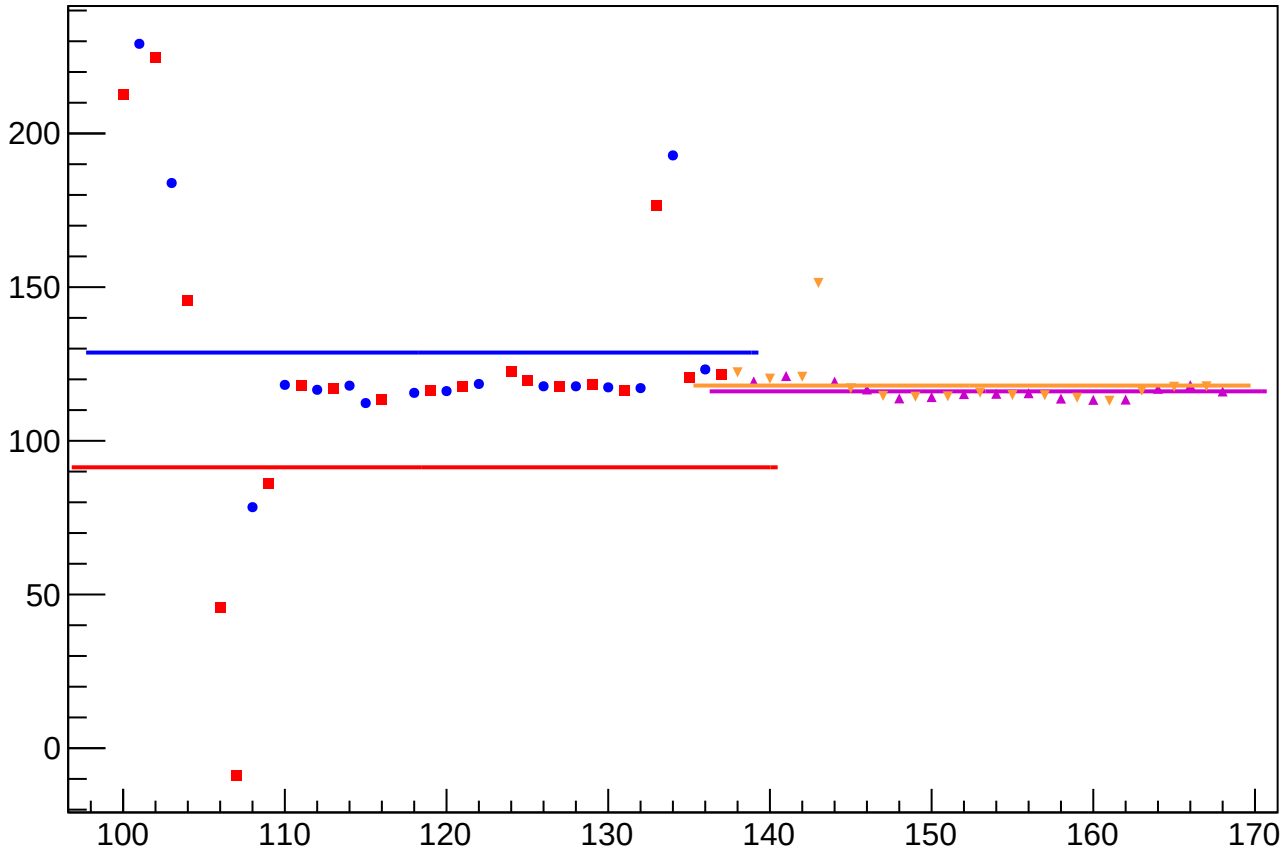
Left: -68.264+/-0.685 χ^2/NDF: 687.2/30

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.131+/-0.830 χ^2/NDF:850.0/30

Out: -71.598+/-0.791 χ^2/NDF:1142.7/34

All: -73.755+/-0.573 χ^2/NDF: 2008.3/65



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.985+/-0.045 χ^2/NDF:29406.0/15

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.096+/-0.046 χ^2/NDF:2822.9/14

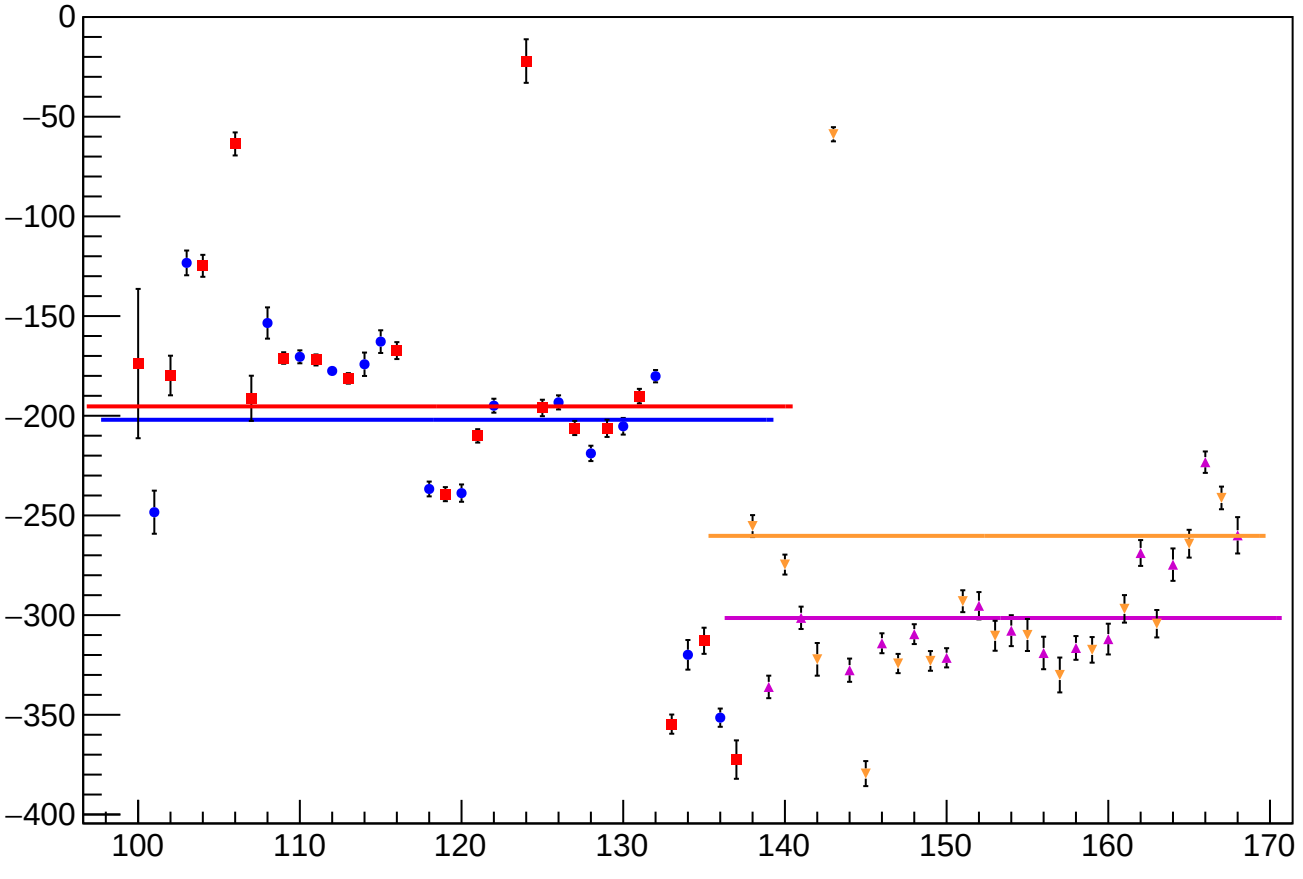
Left: 117.050+/-0.032 χ^2/NDF: 33089.0/30

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.729+/-0.041 χ^2/NDF:202206.0/30

Out: 111.404+/-0.039 χ^2/NDF:719515.2/34

All: 114.939+/-0.028 χ^2/NDF: 938465.9/65



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -260.246+/-1.454 χ^2/NDF:4310.8/15

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -301.450+/-1.582 χ^2/NDF:366.6/14

Left: -279.114+/-1.070 χ^2/NDF: 5045.3/30

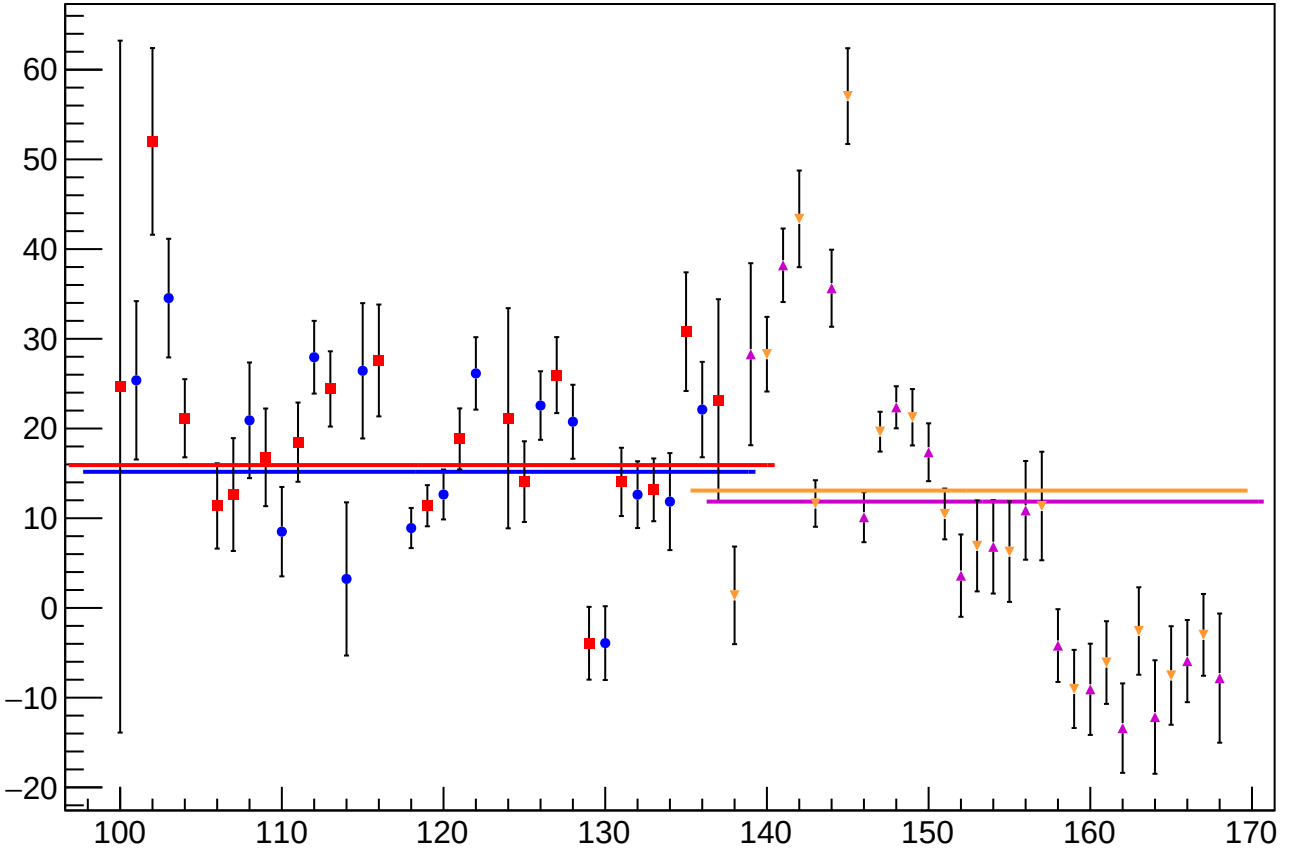
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.392+/-0.860 χ^2/NDF:5191.8/30

Out: -215.434+/-0.809 χ^2/NDF:8788.6/34

All: -222.931+/-0.589 χ^2/NDF: 14163.1/65

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: 13.086+/-0.971 χ^2/NDF:217.1/15

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 11.853+/-1.066 χ^2/NDF:197.4/14

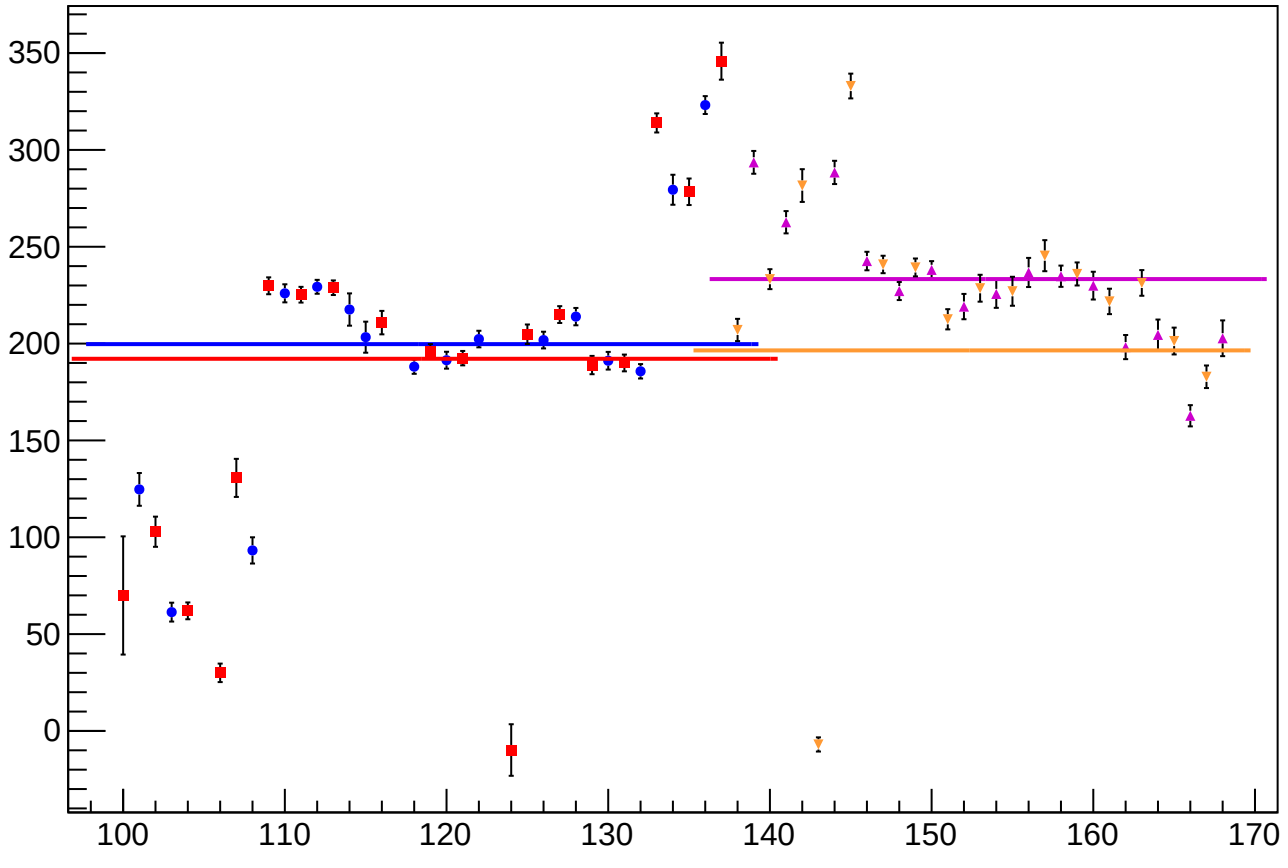
Left: 12.527+/-0.718 χ^2/NDF: 415.2/30

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.543+/-0.747 χ^2/NDF:274.6/30

Out: 14.413+/-0.709 χ^2/NDF:284.6/34

All: 14.001+/-0.514 χ^2/NDF: 560.0/65



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 196.483+/-1.425 χ^2/NDF:4061.7/15

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 233.313+/-1.532 χ^2/NDF:449.7/14

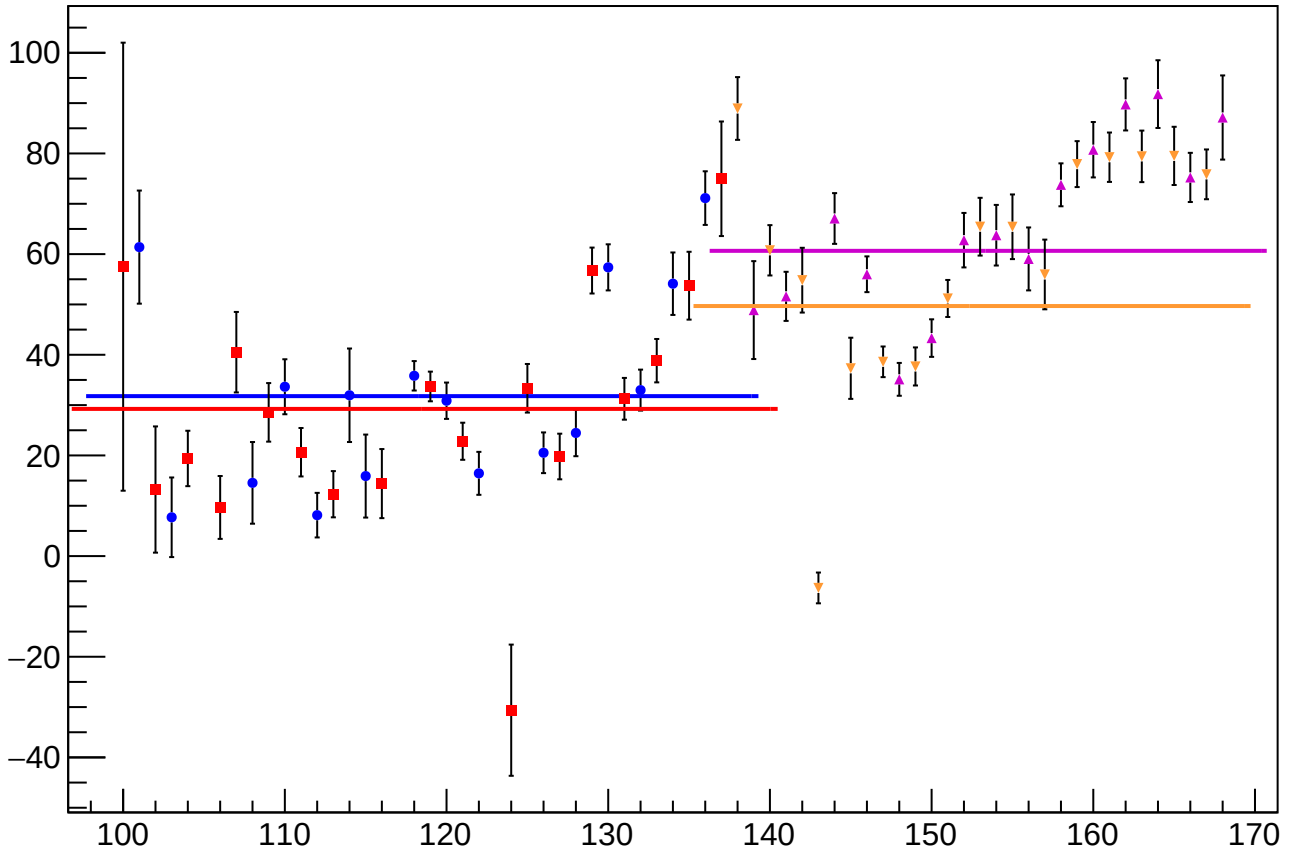
Left: 213.561+/-1.043 χ^2/NDF: 4821.3/30

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.437+/-0.943 χ^2/NDF:2850.1/30

Out: 193.864+/-0.895 χ^2/NDF:7844.4/34

All: 202.670+/-0.649 χ^2/NDF: 10898.7/65



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 49.682+/-1.155 χ^2/NDF:585.4/15

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.650+/-1.262 χ^2/NDF:186.3/14

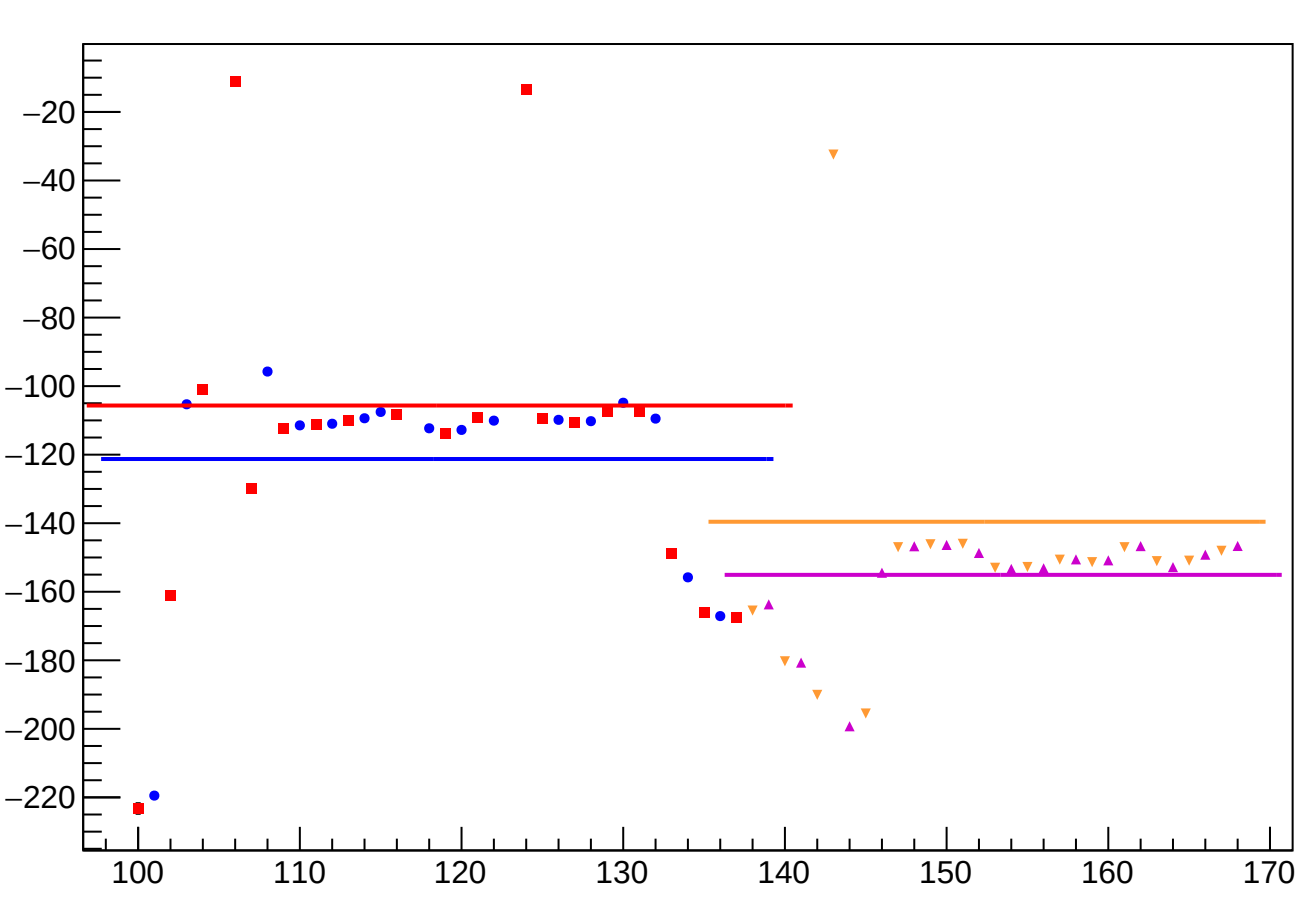
Left: 54.682+/-0.852 χ^2/NDF: 812.8/30

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 45.687+/-0.876 χ^2/NDF:634.6/30

Out: 39.824+/-0.831 χ^2/NDF:877.3/34

All: 42.602+/-0.603 χ^2/NDF: 1535.4/65



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.572+/-0.056 χ^2/NDF:632439.0/15

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.070+/-0.059 χ^2/NDF:49153.5/14

Left: -146.904+/-0.040 χ^2/NDF: 718458.0/30

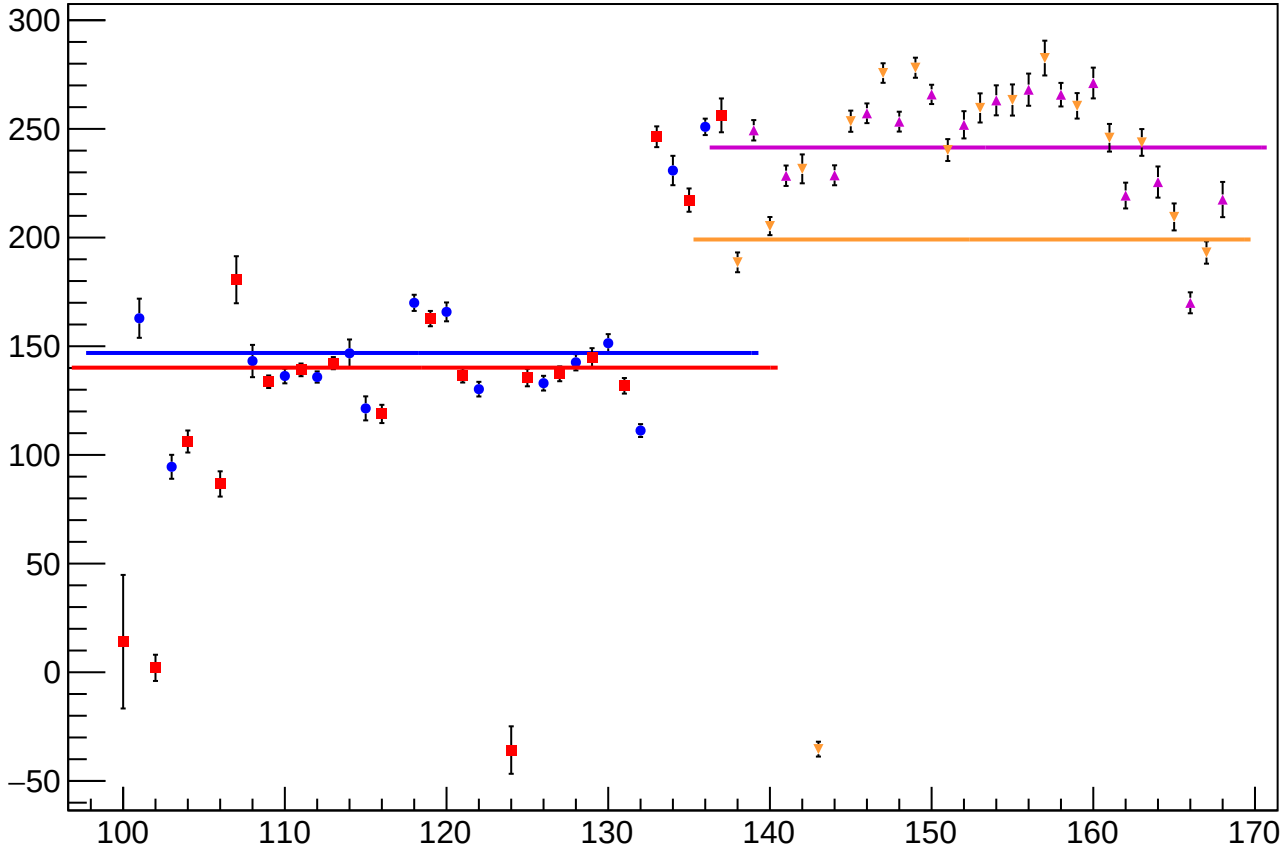
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -143.118+/-0.047 χ^2/NDF:286230.7/30

Out: -127.508+/-0.045 χ^2/NDF:1120293.9/34

All: -134.879+/-0.032 χ^2/NDF: 1464482.5/65

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: 199.114+/-1.298 χ^2/NDF:6001.2/15

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 241.438+/-1.400 χ^2/NDF:377.3/14

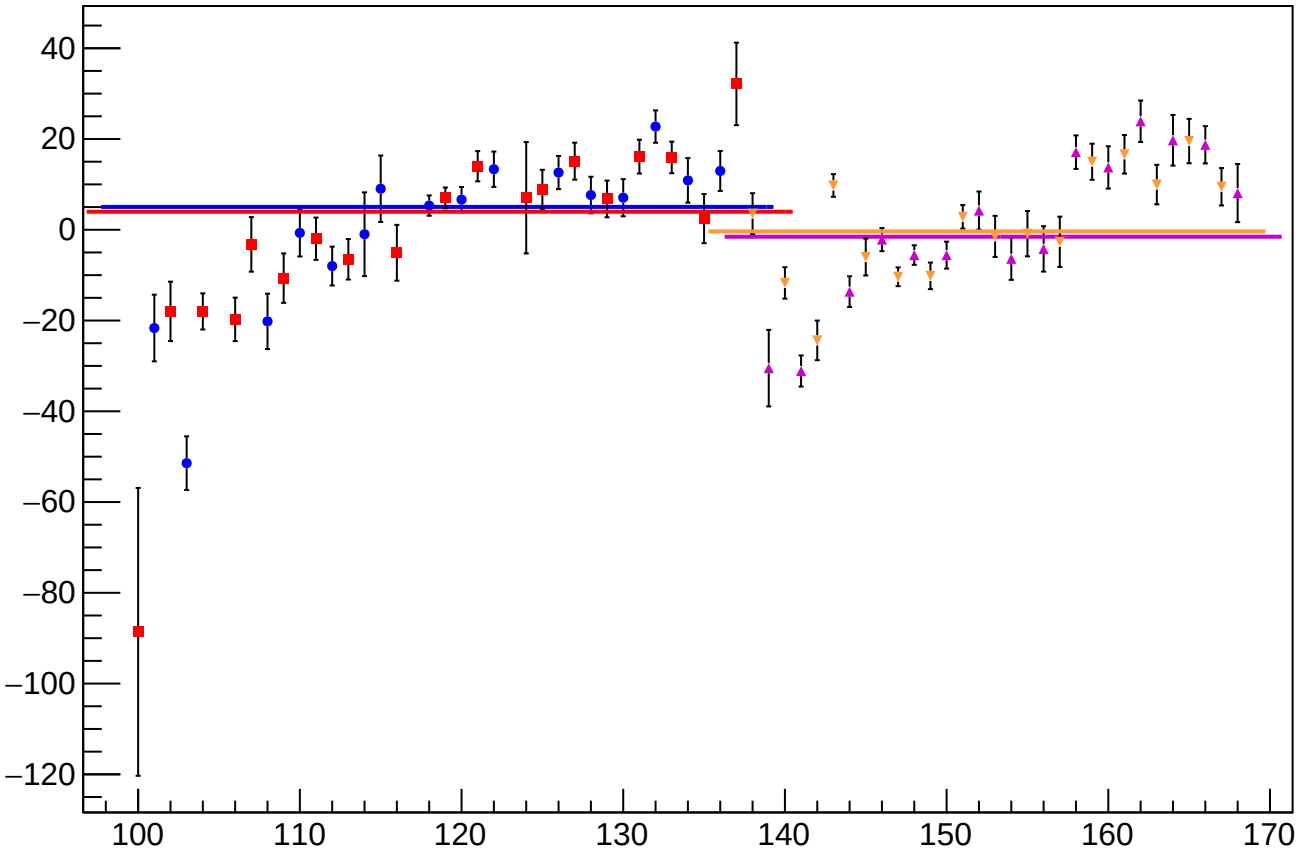
Left: 218.682+/-0.952 χ^2/NDF: 6870.0/30

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 178.985+/-0.815 χ^2/NDF:4691.9/30

Out: 160.999+/-0.772 χ^2/NDF:9285.4/34

All: 169.498+/-0.561 χ^2/NDF: 14233.9/65



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.365+/-0.877 χ^2/NDF:155.3/15

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -1.537+/-0.956 χ^2/NDF:215.7/14

Left: -0.901+/-0.646 χ^2/NDF: 371.8/30

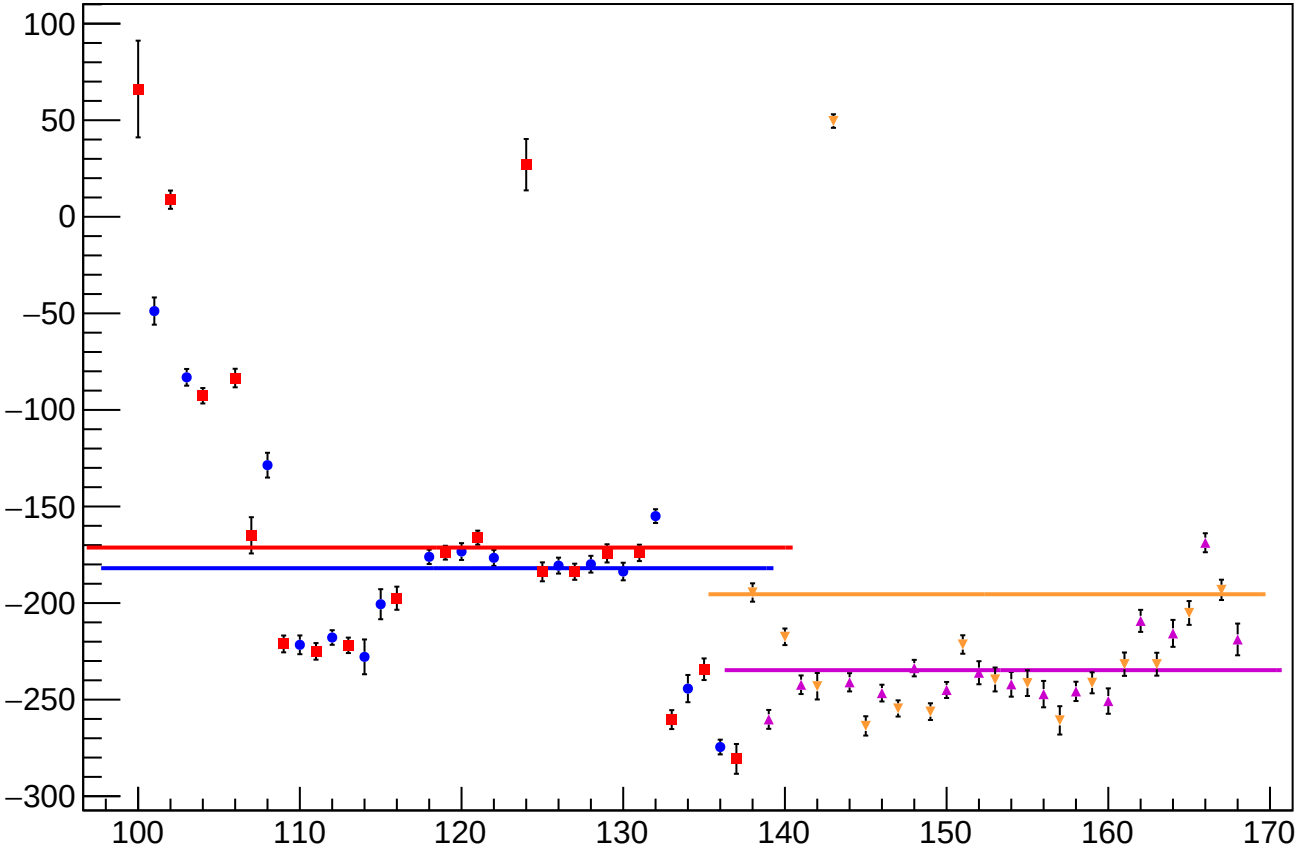
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.533+/-0.698 χ^2/NDF:409.7/30

Out: 1.497+/-0.663 χ^2/NDF:310.6/34

All: 1.514+/-0.481 χ^2/NDF: 720.3/65

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.437+/-1.276 χ^2/NDF:5866.7/15

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -234.740+/-1.361 χ^2/NDF:271.3/14

Left: -213.821+/-0.931 χ^2/NDF: 6582.0/30

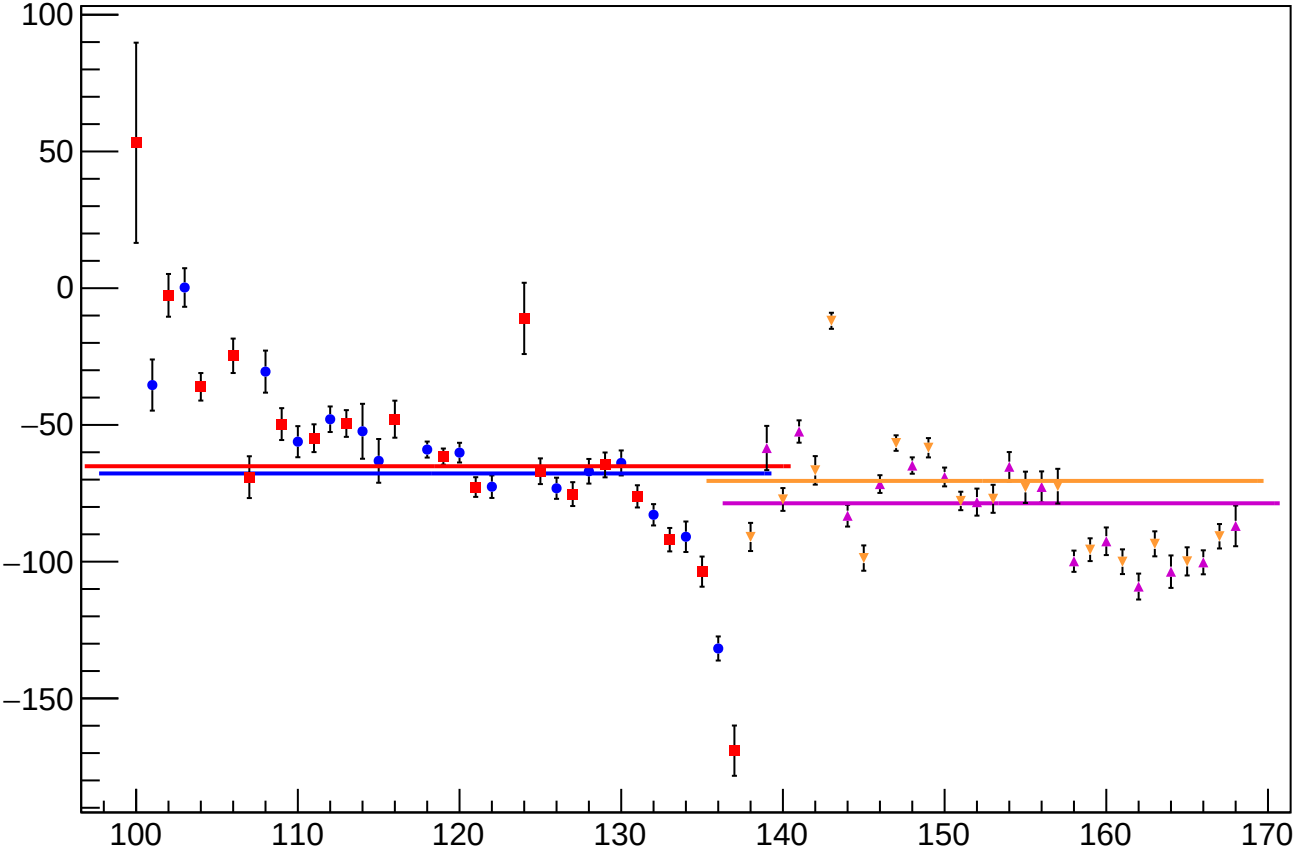
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.031+/-0.880 χ^2/NDF:3017.3/30

Out: -181.690+/-0.838 χ^2/NDF:9699.1/34

All: -192.311+/-0.607 χ^2/NDF: 13054.4/65

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -70.472+/-1.041 χ^2/NDF:652.7/15

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -78.655+/-1.129 χ^2/NDF:211.7/14

Left: -74.234+/-0.765 χ^2/NDF: 892.8/30

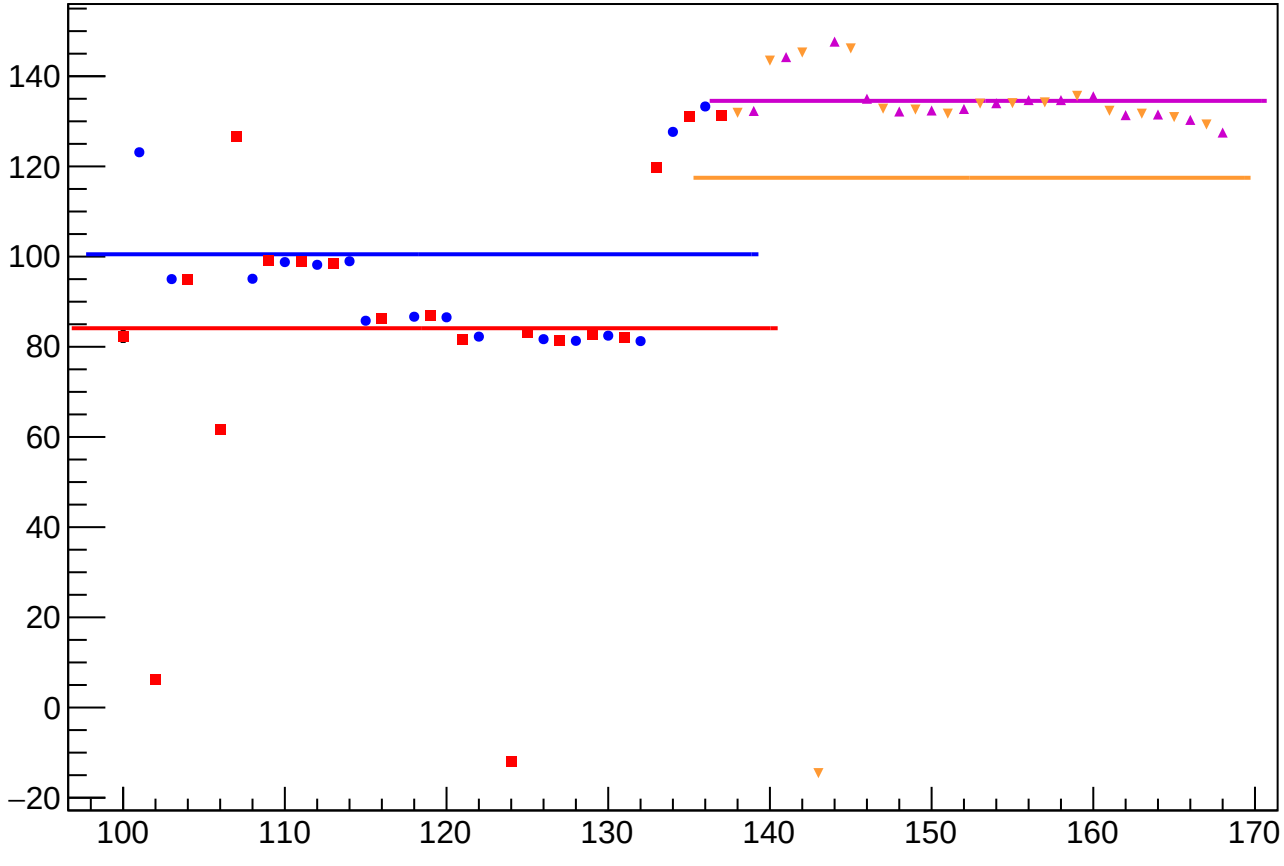
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.446+/-0.816 χ^2/NDF:670.4/30

Out: -68.092+/-0.777 χ^2/NDF:1093.5/34

All: -70.638+/-0.563 χ^2/NDF: 1786.4/65

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.480+/-0.050 χ^2/NDF:934460.6/15

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 134.537+/-0.052 χ^2/NDF:8311.4/14

Left: 125.603+/-0.036 χ^2/NDF: 998803.2/30

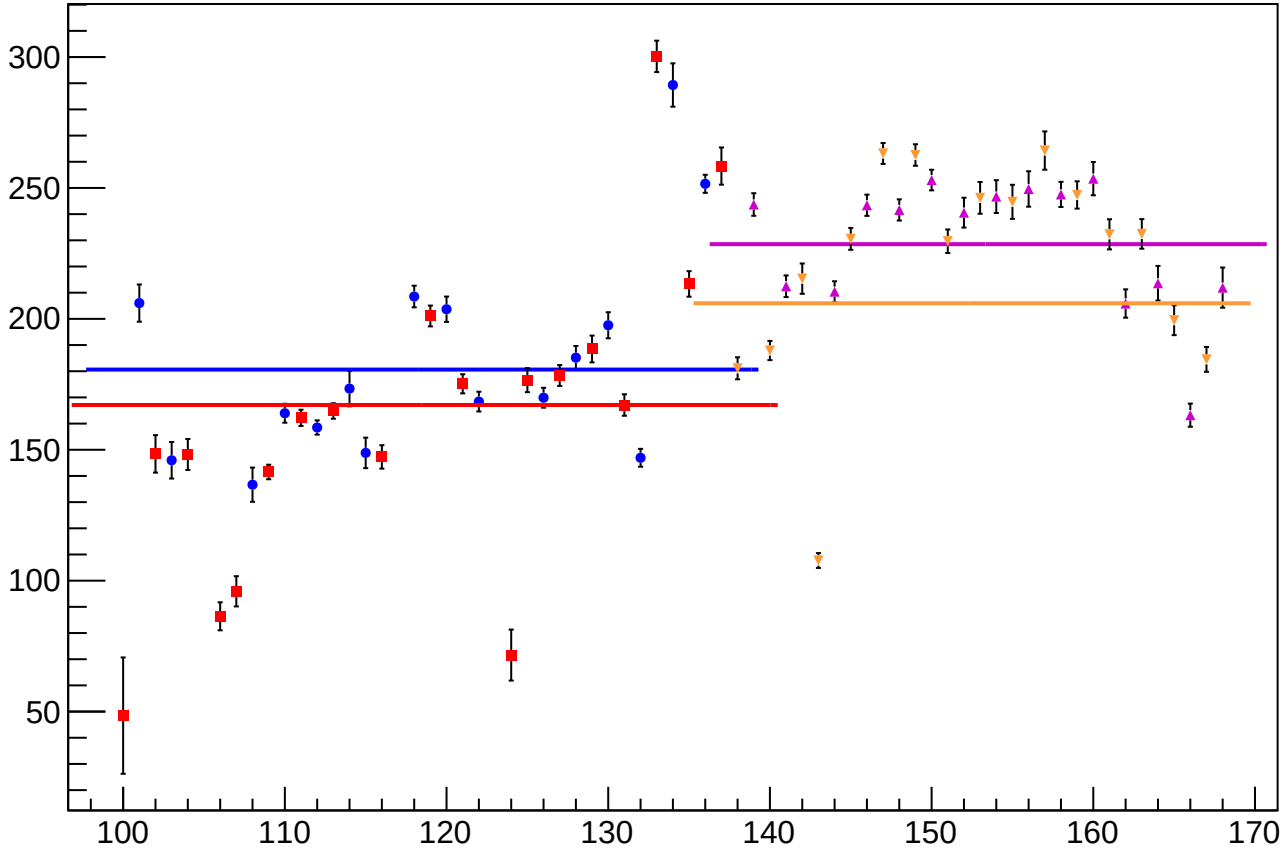
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 123.240+/-0.043 χ^2/NDF:217083.1/30

Out: 106.119+/-0.040 χ^2/NDF:1351524.3/34

All: 114.218+/-0.029 χ^2/NDF: 1653629.5/65

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

Left: 216.249+/-0.848 χ^2/NDF: 2572.4/30

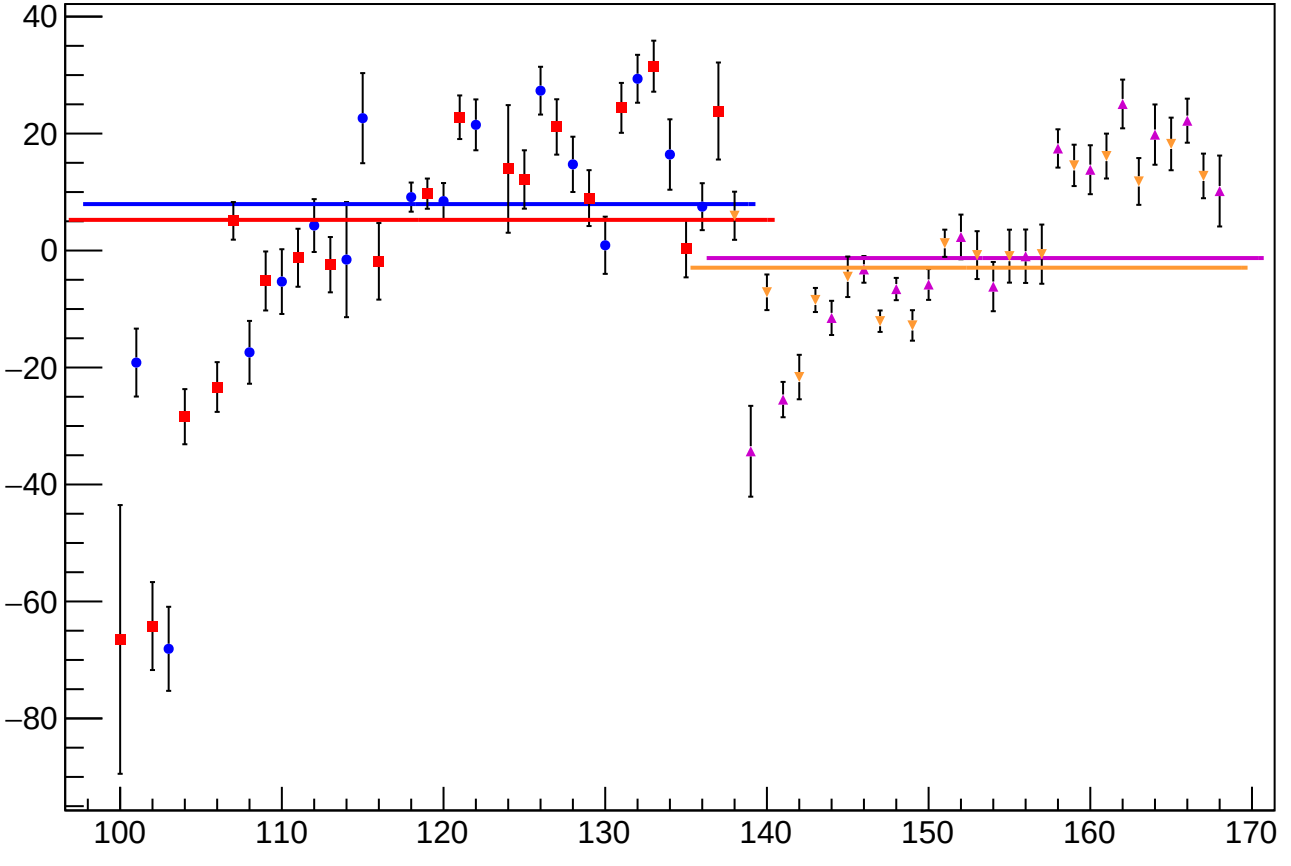
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.200+/-0.823 χ^2/NDF:2233.4/30

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

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: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

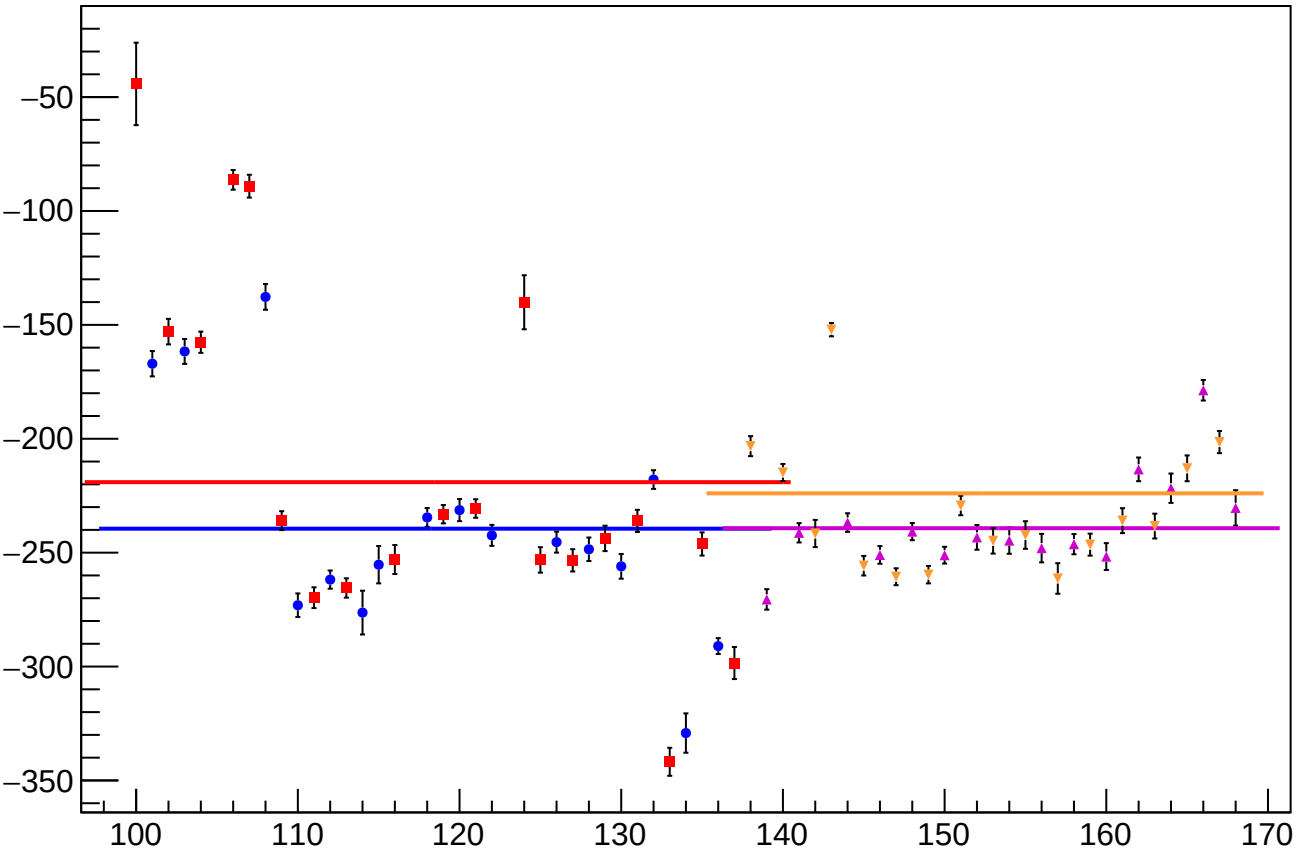
Left: -2.188+/-0.574 χ^2/NDF: 438.3/30

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.133+/-0.678 χ^2/NDF:529.3/30

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.262+/-1.221 χ^2/NDF:292.9/14

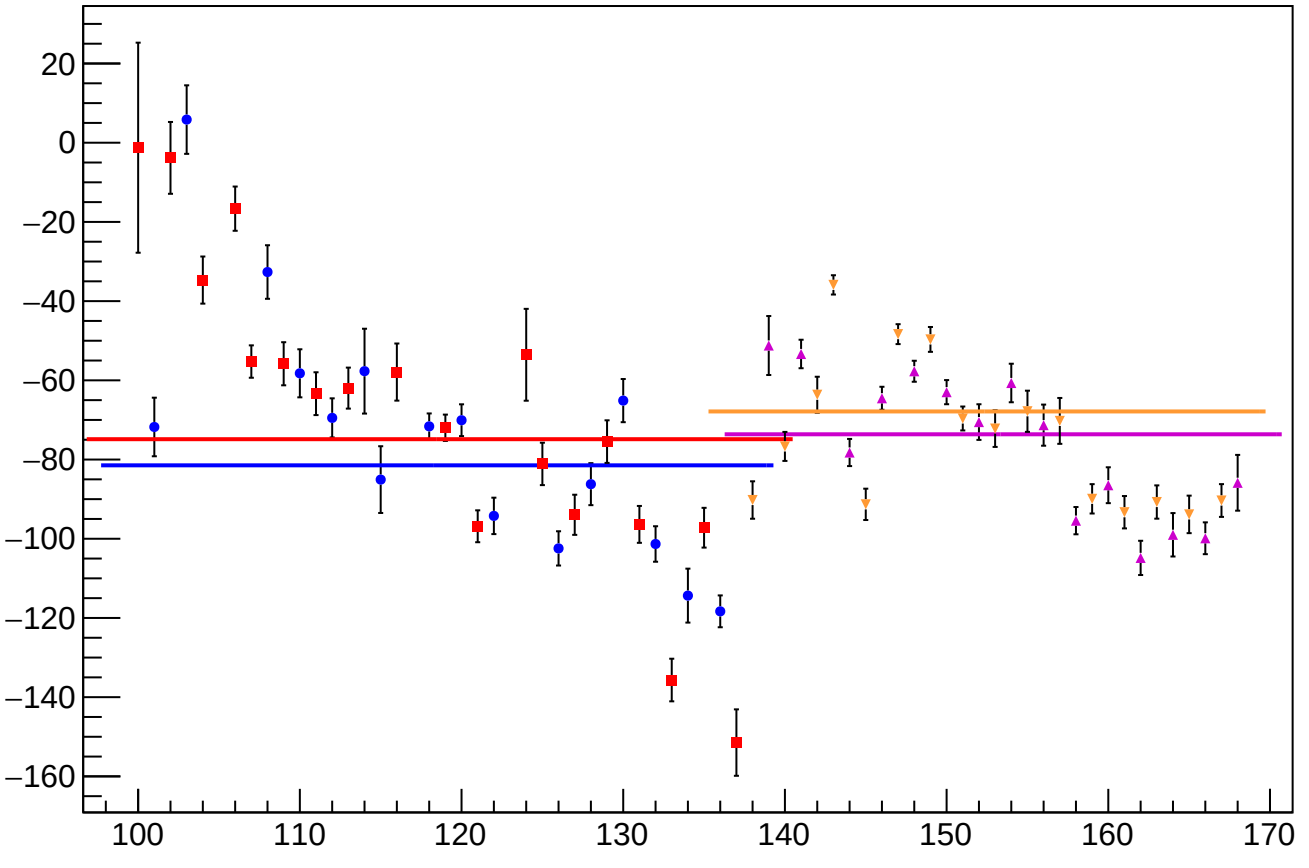
Left: -231.032+/-0.830 χ^2/NDF: 1371.1/30

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.363+/-0.872 χ^2/NDF:1455.1/30

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.891+/-0.596 χ^2/NDF: 5728.6/65



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.855+/-0.922 χ^2/NDF:495.0/15

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.622+/-1.010 χ^2/NDF:276.0/14

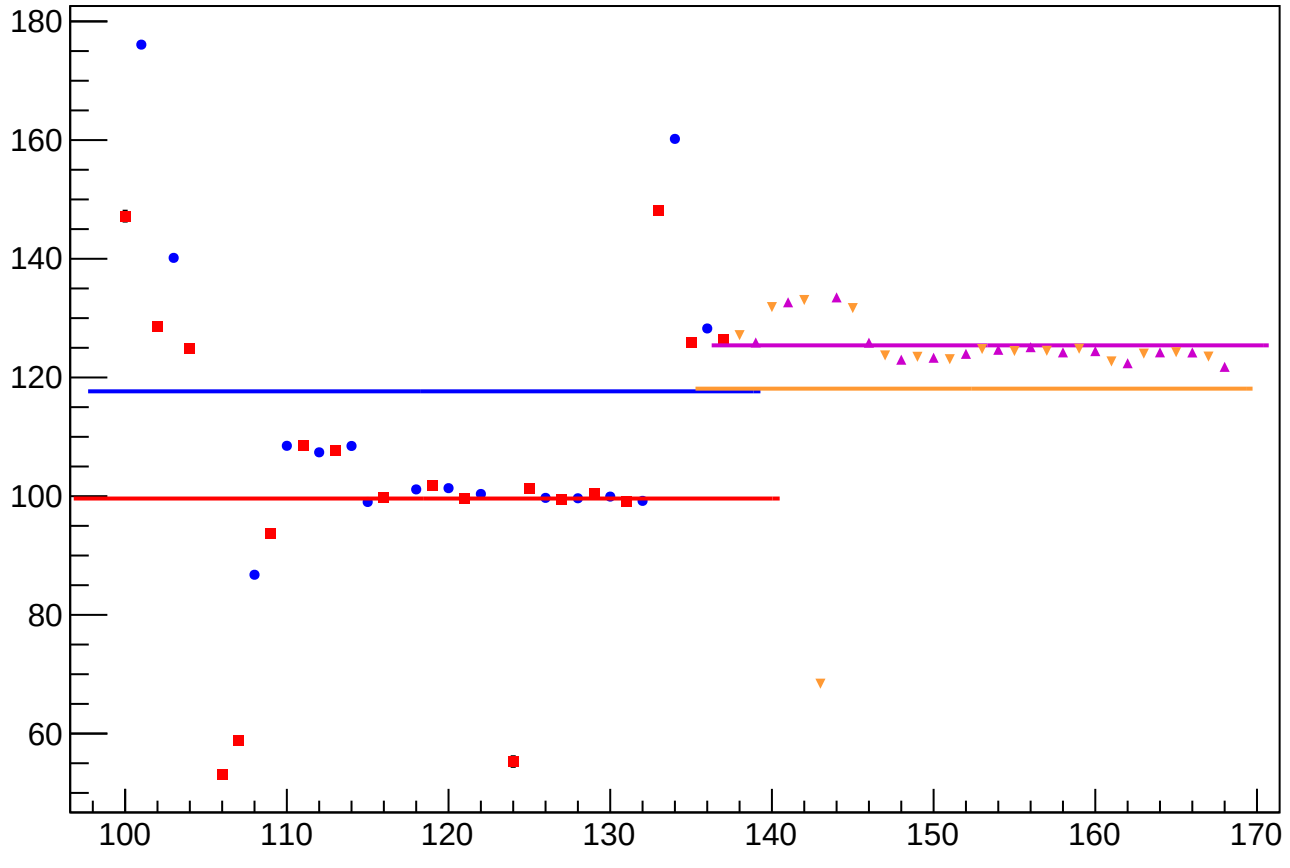
Left: -70.477+/-0.681 χ^2/NDF: 788.8/30

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.611+/-0.795 χ^2/NDF:665.4/30

Out: -70.377+/-0.738 χ^2/NDF:1092.4/34

All: -73.264+/-0.541 χ^2/NDF: 1790.9/65



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

Left: 121.555+/-0.032 χ^2/NDF: 215001.6/30

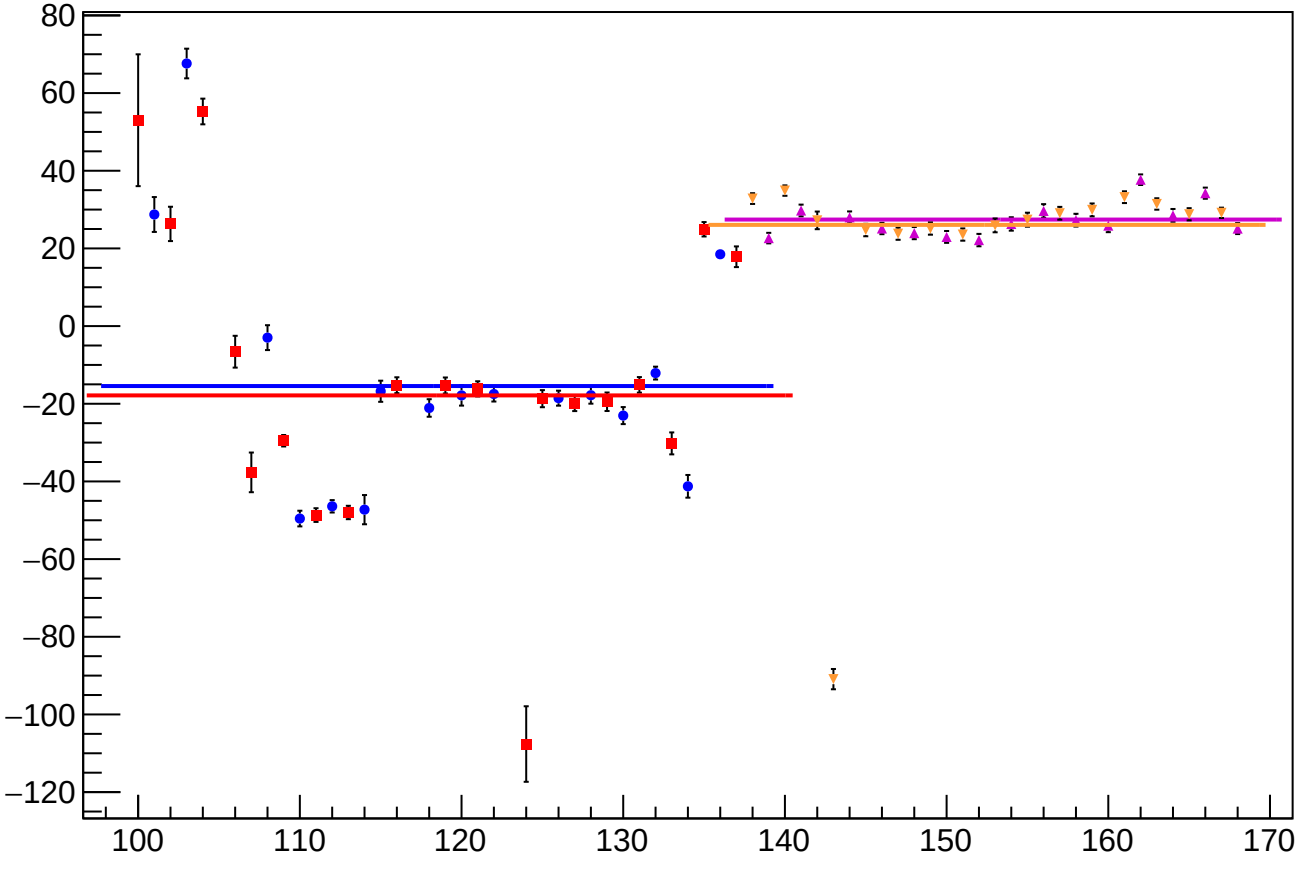
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.364+/-0.040 χ^2/NDF:107416.1/30

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.431+/-0.396 χ^2/NDF:127.0/14

Left: 26.754+/-0.282 χ^2/NDF: 2264.1/30

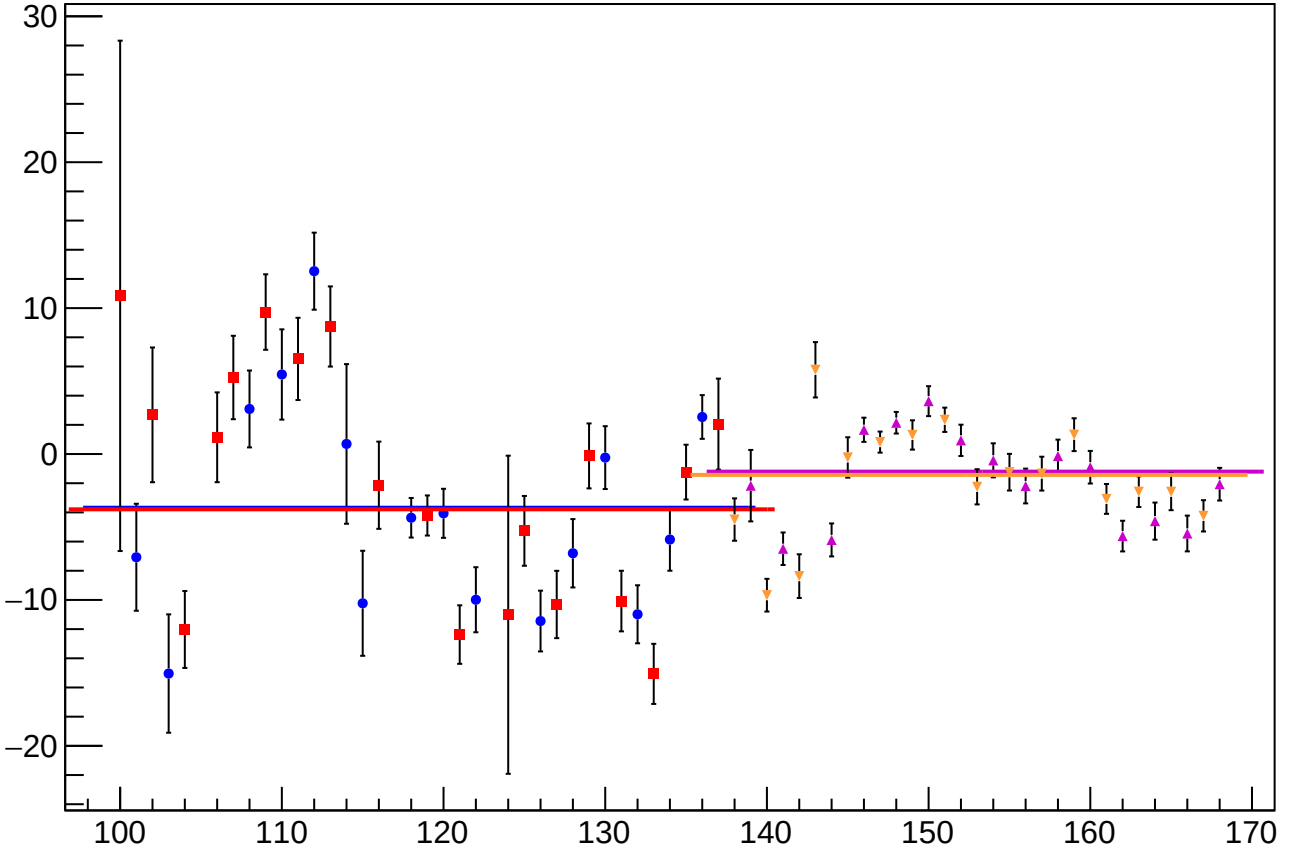
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 12.403+/-0.319 χ^2/NDF:6358.7/30

Out: 10.085+/-0.319 χ^2/NDF:8628.8/34

All: 11.245+/-0.226 χ^2/NDF: 15013.8/65

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: -1.429+/-0.276 χ^2/NDF:150.9/15

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.207+/-0.279 χ^2/NDF:137.8/14

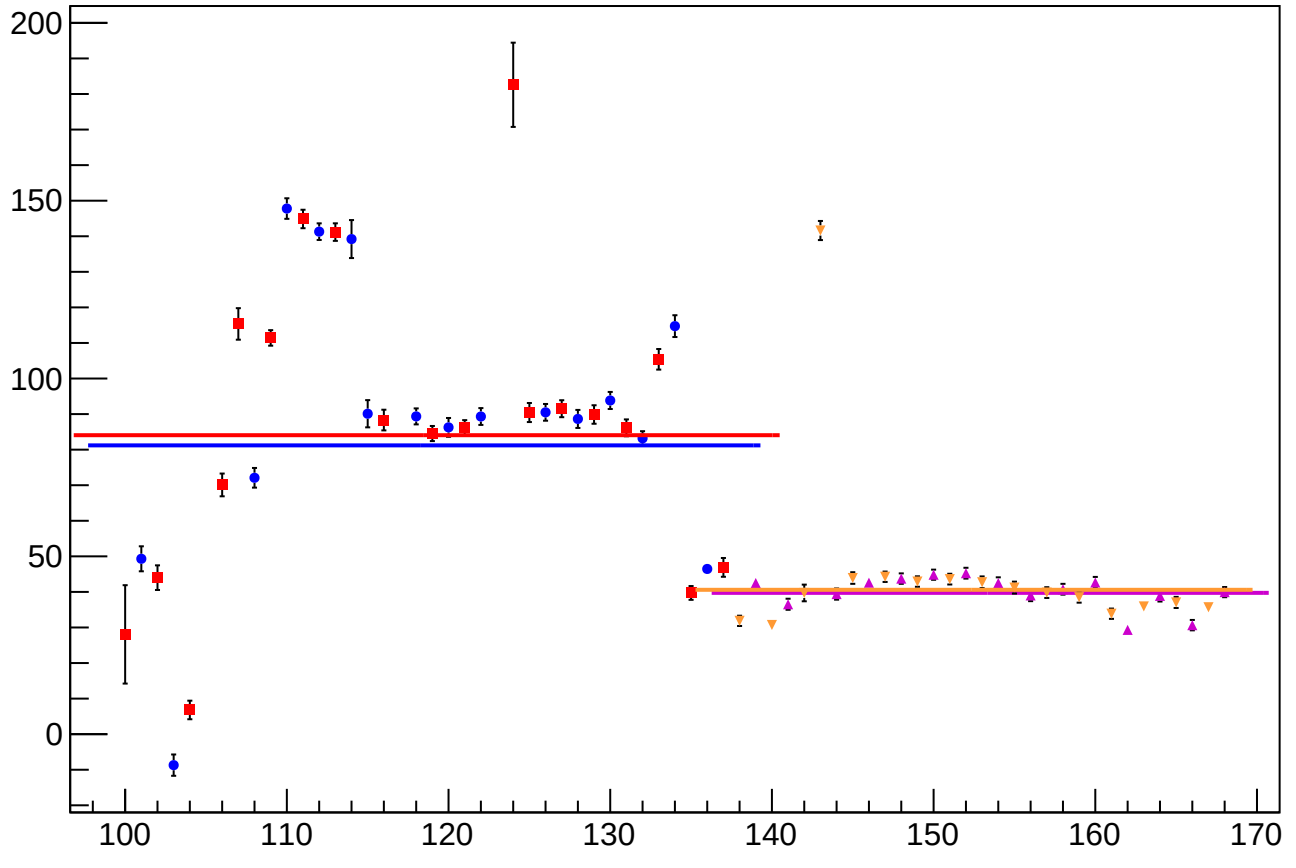
Left: -1.319+/-0.196 χ^2/NDF: 289.0/30

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.709+/-0.249 χ^2/NDF:277.8/30

Out: -1.887+/-0.248 χ^2/NDF:326.2/34

All: -1.798+/-0.176 χ^2/NDF: 604.2/65



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.593+/-0.390 χ^2/NDF:1573.0/15

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.736+/-0.385 χ^2/NDF:154.7/14

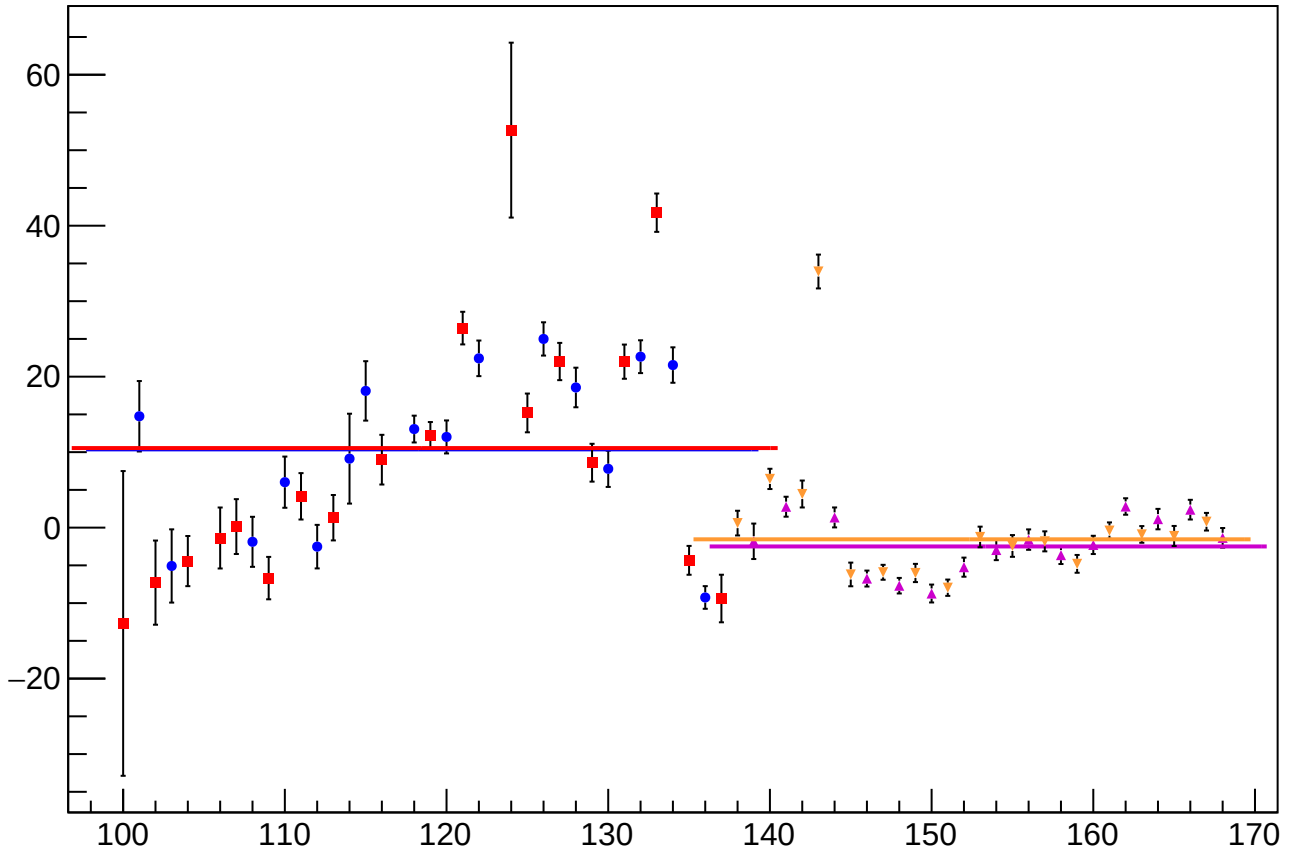
Left: 40.158+/-0.274 χ^2/NDF: 1730.1/30

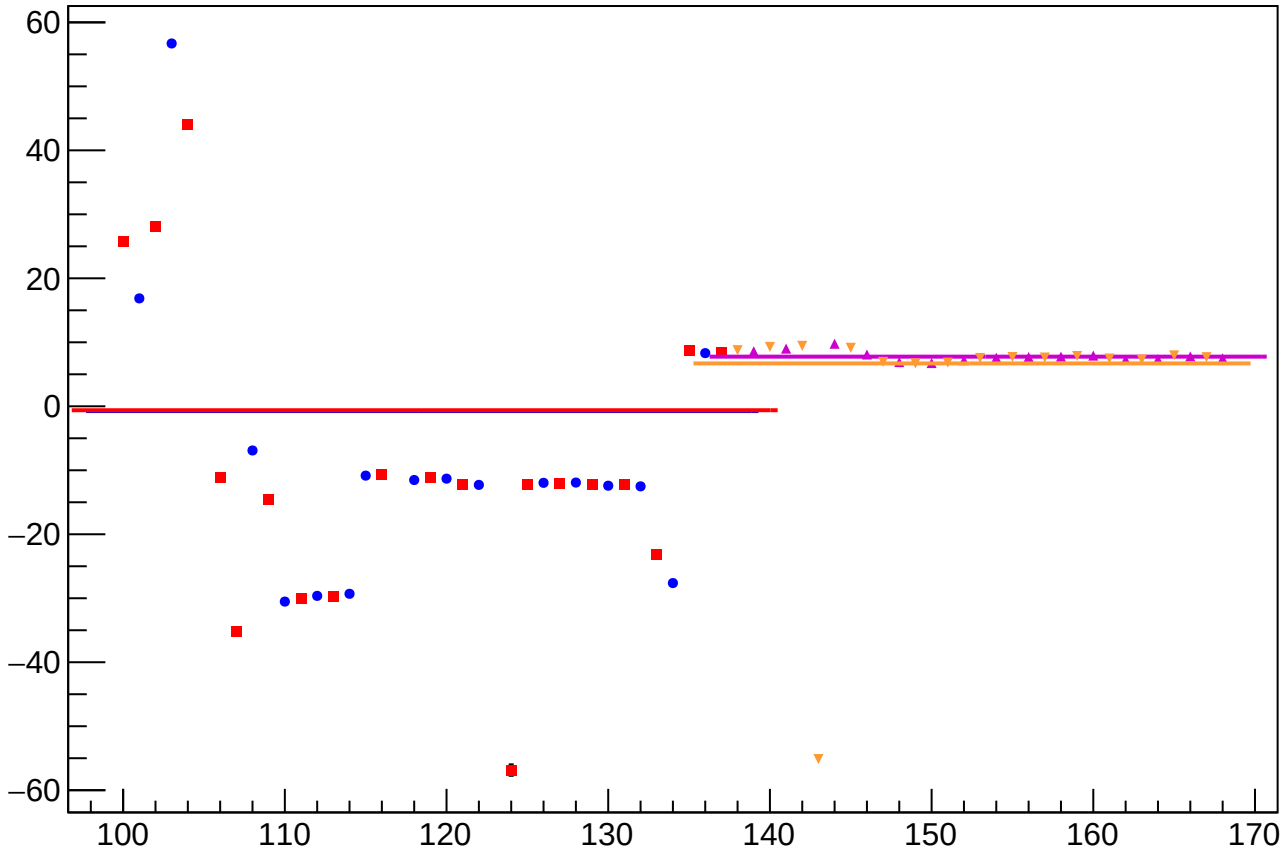
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.623+/-0.325 χ^2/NDF:6713.6/30

Out: 53.028+/-0.330 χ^2/NDF:8332.2/34

All: 52.316+/-0.231 χ^2/NDF: 15055.0/65


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.549+/-0.321 χ²/NDF:390.0/15
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.494+/-0.323 χ²/NDF:145.4/14
Left: -2.018+/-0.228 χ²/NDF: 539.7/30
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.211+/-0.287 χ²/NDF:837.9/30
Out: 0.884+/-0.287 χ²/NDF:1145.5/34
All: 0.548+/-0.203 χ²/NDF: 1986.2/65



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.757+/-0.014 χ^2/NDF:2321.5/14

Left: 7.238+/-0.010 χ^2/NDF: 319055.3/30

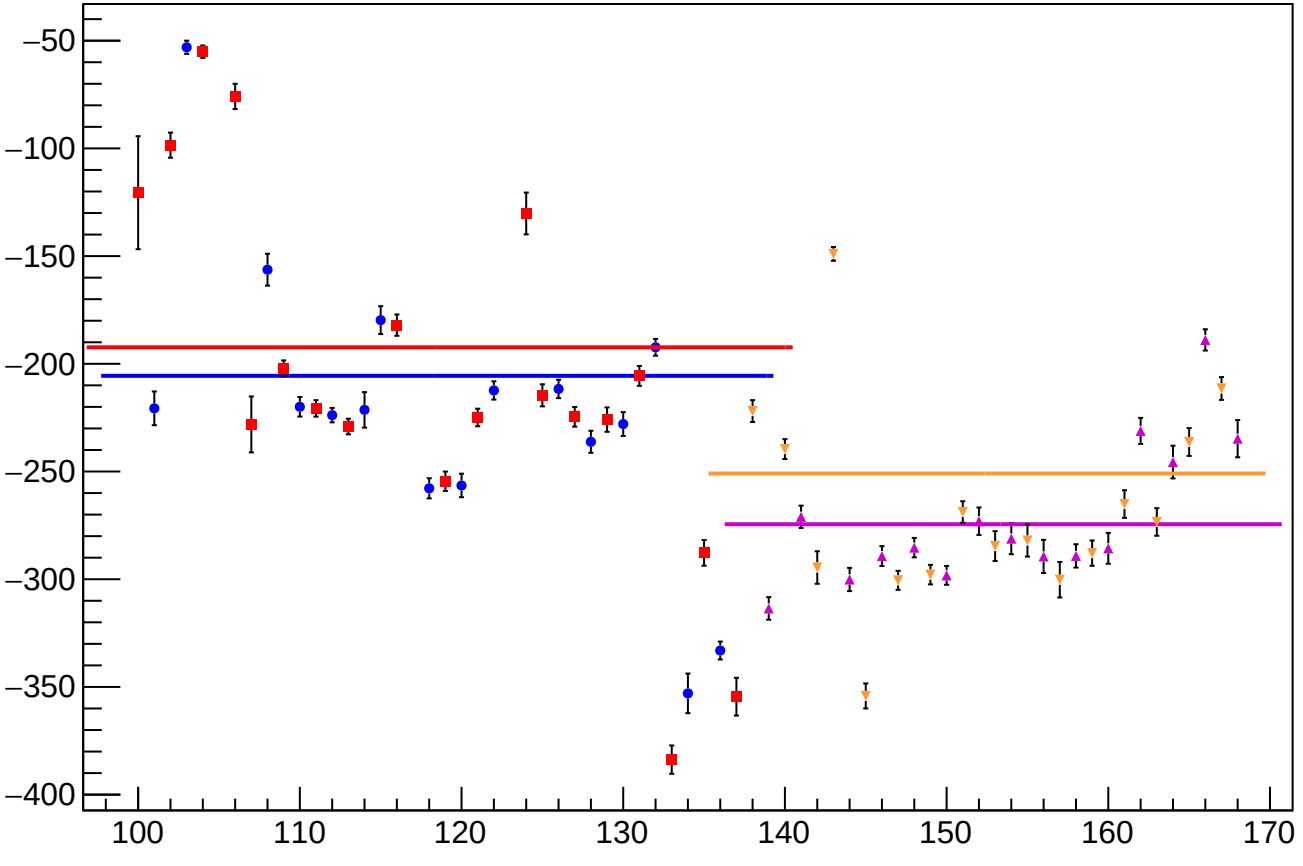
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.581+/-0.013 χ^2/NDF:418700.0/30

Out: 5.720+/-0.014 χ^2/NDF:663844.1/34

All: 6.160+/-0.010 χ^2/NDF: 1084577.4/65

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.934+/-1.334 χ^2/NDF:1840.1/15

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -274.462+/-1.458 χ^2/NDF:525.4/14

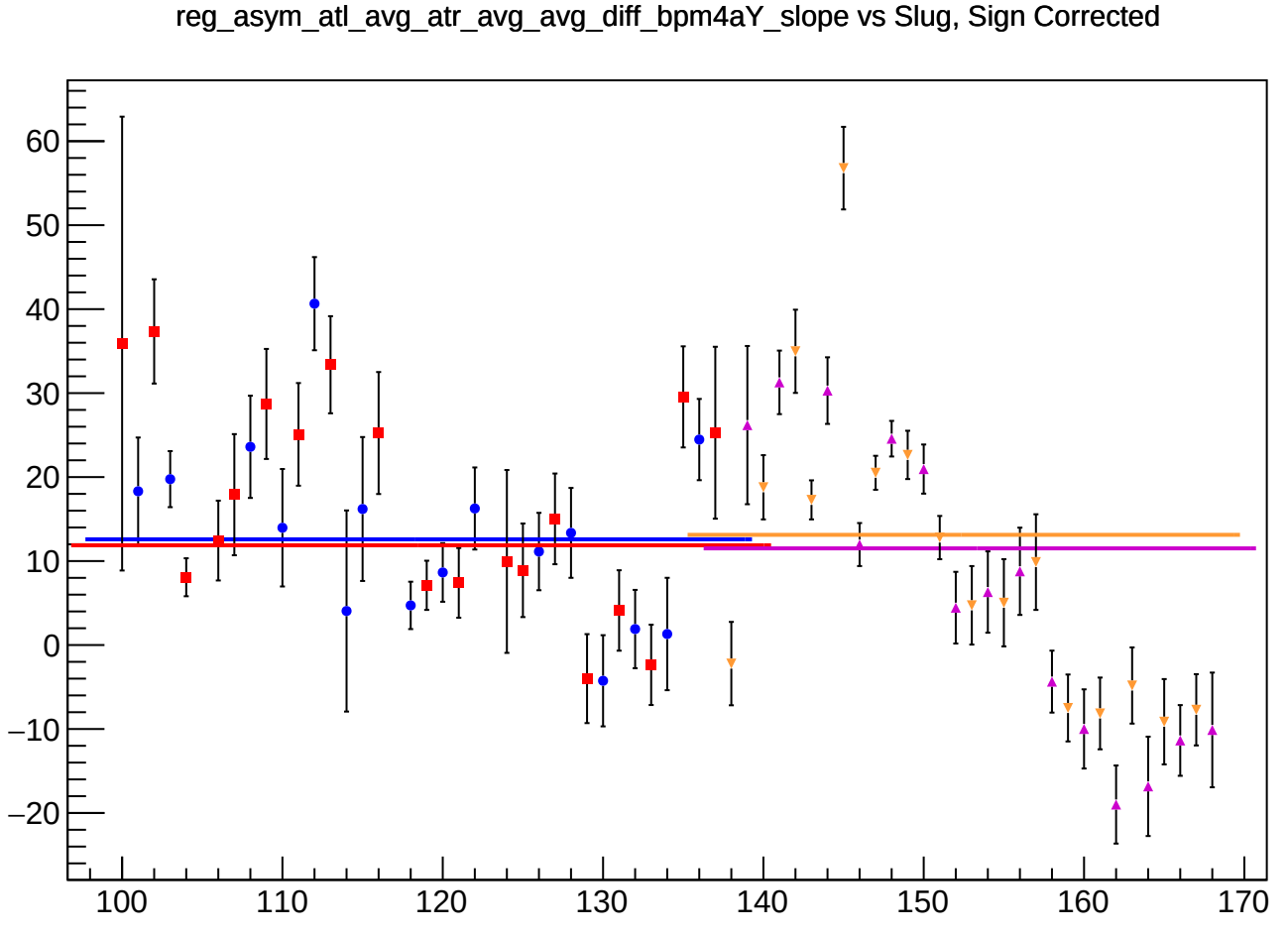
Left: -261.655+/-0.984 χ^2/NDF: 2507.2/30

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

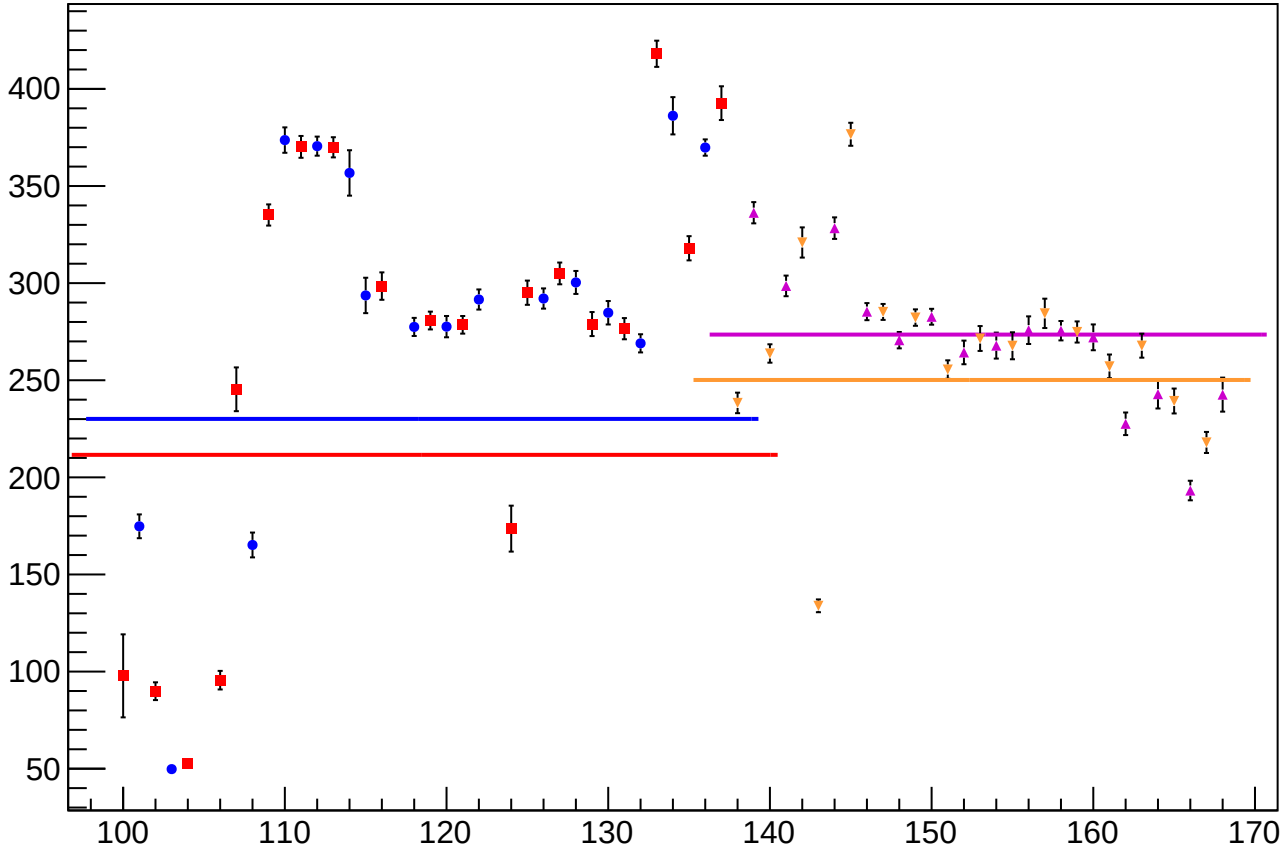
In: -232.967+/-0.920 χ^2/NDF:5925.7/30

Out: -216.629+/-0.859 χ^2/NDF:7939.1/34

All: -224.242+/-0.628 χ^2/NDF: 14033.4/65


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 12.592+/-1.203 χ2/NDF: 68.5/15
Left Out: 13.123+/-0.889 χ2/NDF:254.0/15
Right Out: 11.880+/-1.122 χ2/NDF: 84.9/18
Left In: 11.512+/-0.980 χ2/NDF:249.6/14
Left: 12.396+/-0.658 χ2/NDF: 505.1/30
Right: 12.211+/-0.820 χ2/NDF: 153.6/34
In: 11.943+/-0.760 χ2/NDF:318.5/30
Out: 12.644+/-0.697 χ2/NDF:339.7/34
All: 12.323+/-0.513 χ2/NDF: 658.7/65

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: 250.143+/-1.308 χ^2/NDF:2032.9/15

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 273.508+/-1.412 χ^2/NDF:613.6/14

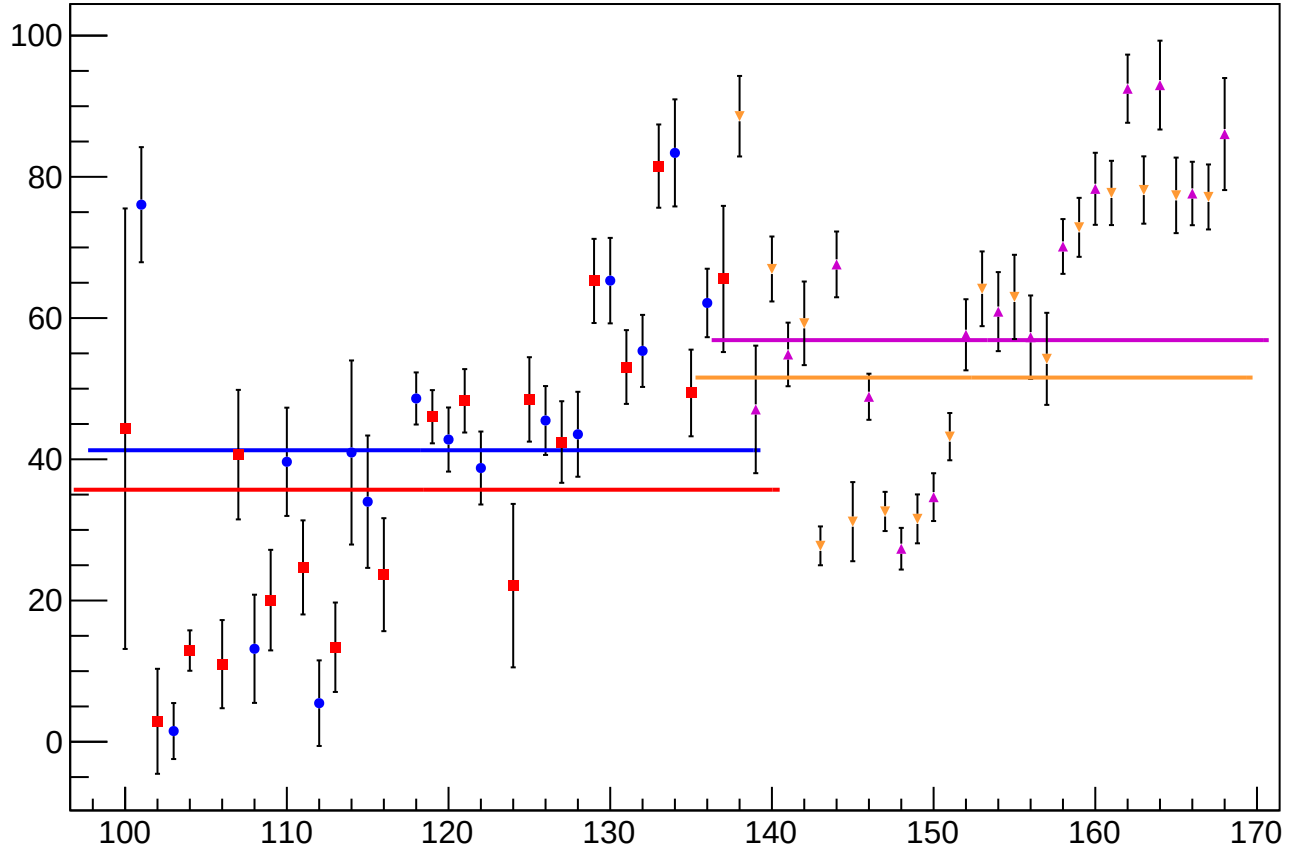
Left: 260.931+/-0.959 χ^2/NDF: 2793.9/30

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.333+/-0.940 χ^2/NDF:10515.6/30

Out: 229.137+/-0.882 χ^2/NDF:13978.6/34

All: 238.596+/-0.643 χ^2/NDF: 24739.7/65



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 51.575+/-1.059 χ^2/NDF:383.3/15

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.875+/-1.161 χ^2/NDF:308.2/14

Left: 53.982+/-0.782 χ^2/NDF: 702.9/30

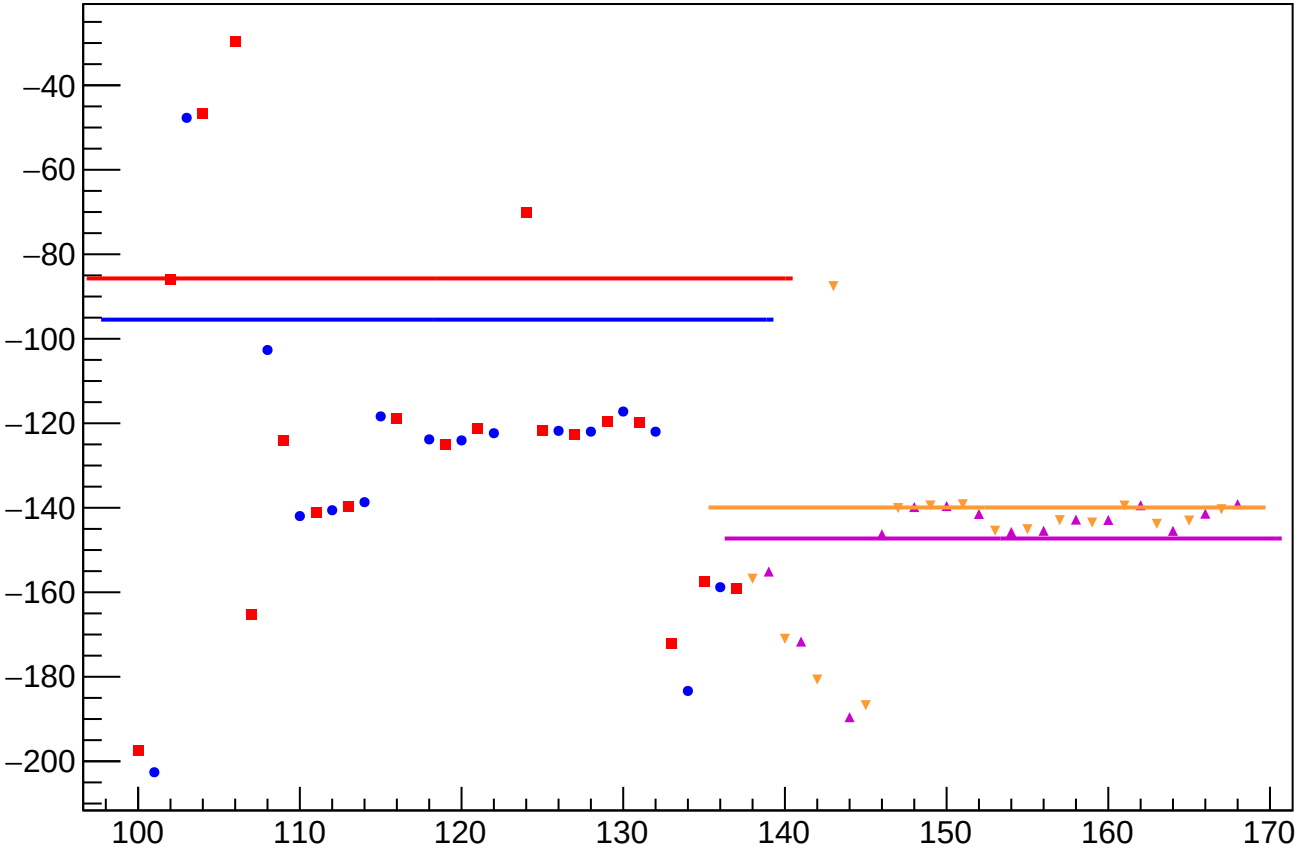
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.509+/-0.893 χ^2/NDF:627.6/30

Out: 45.340+/-0.825 χ^2/NDF:724.8/34

All: 47.721+/-0.606 χ^2/NDF: 1370.5/65

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: -139.929+/-0.051 χ^2/NDF:231493.3/15

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -147.273+/-0.054 χ^2/NDF:51899.3/14

Left: -143.392+/-0.037 χ^2/NDF: 293141.8/30

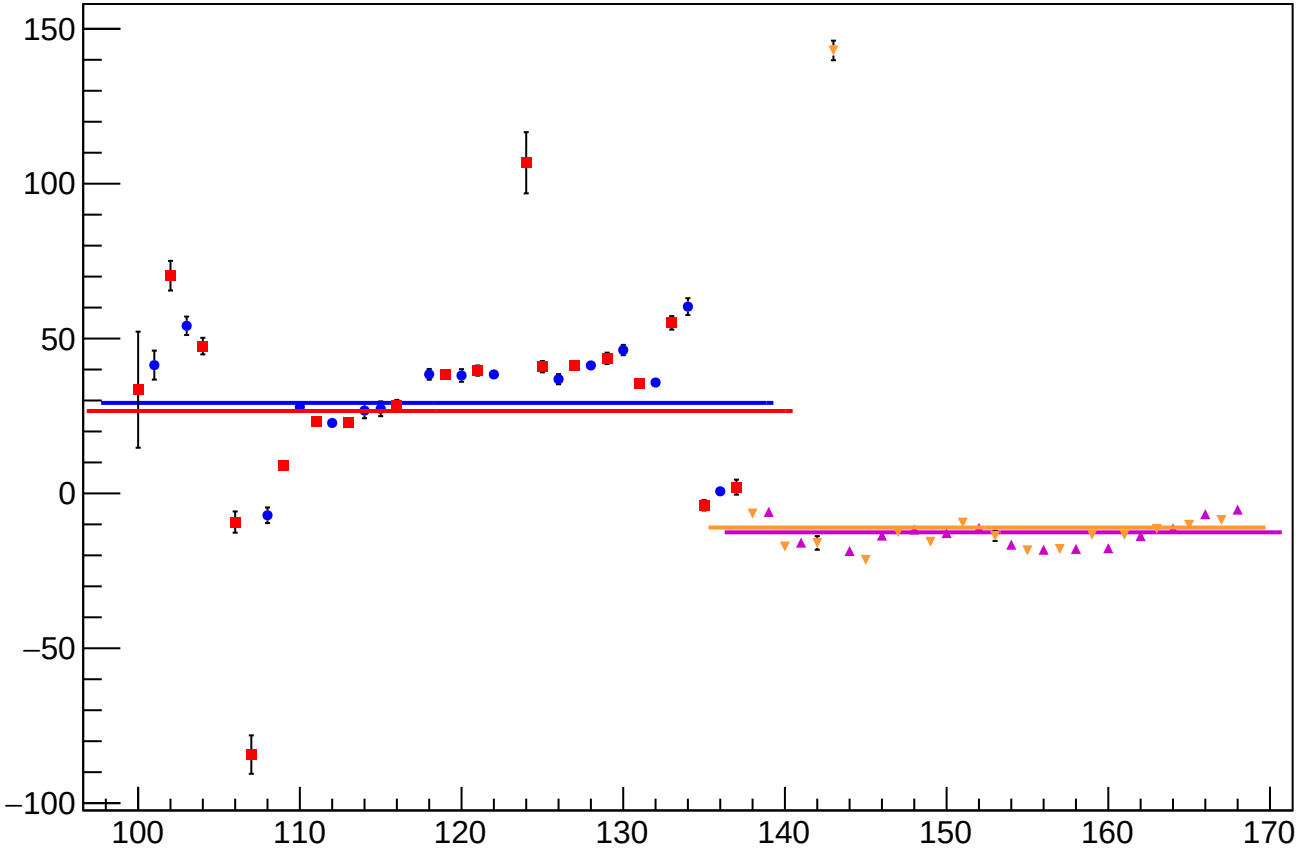
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -127.722+/-0.043 χ^2/NDF:918261.7/30

Out: -119.986+/-0.041 χ^2/NDF:1128584.8/34

All: -123.663+/-0.029 χ^2/NDF: 2064100.1/65

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: -11.015+/-0.375 χ^2/NDF:2534.4/15

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.559+/-0.370 χ^2/NDF:145.1/14

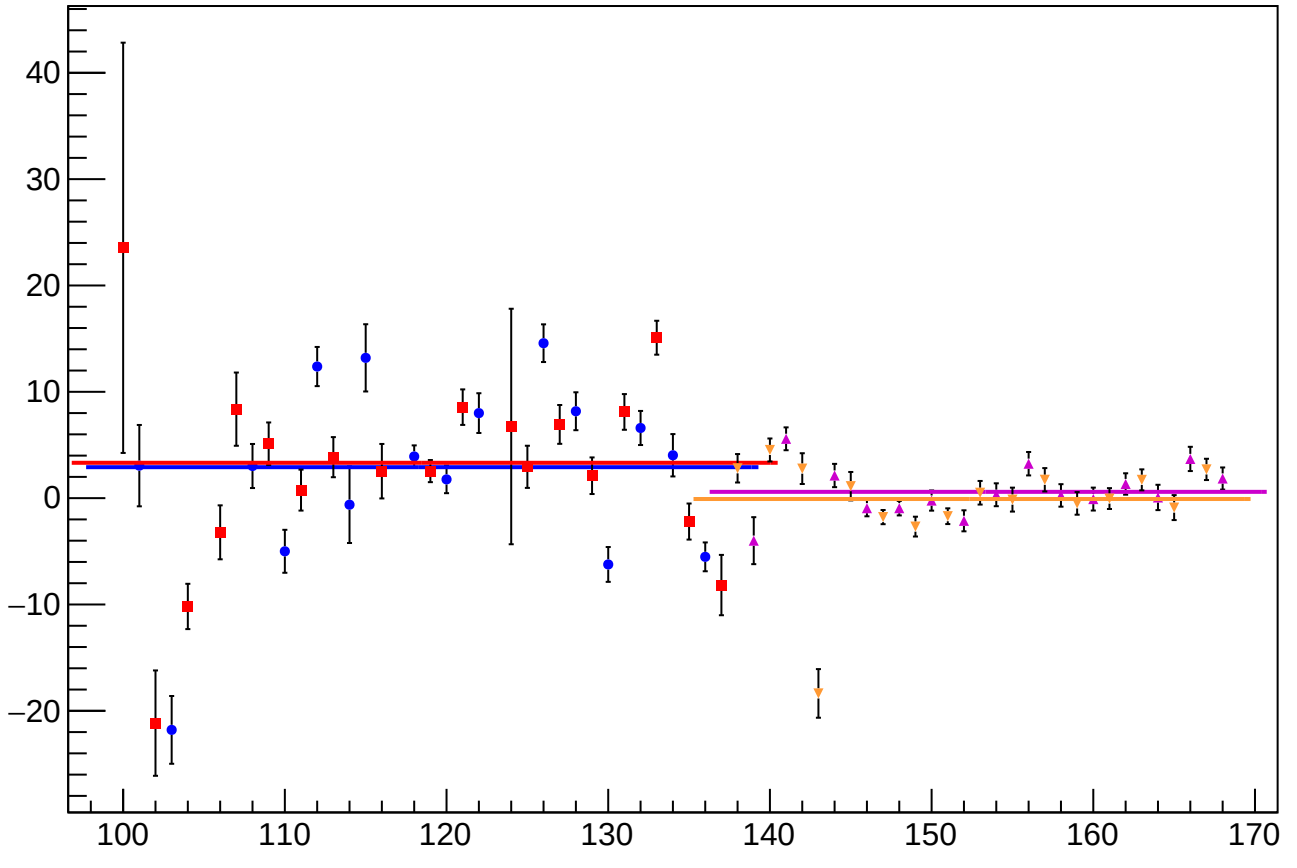
Left: -11.799+/-0.263 χ^2/NDF: 2688.1/30

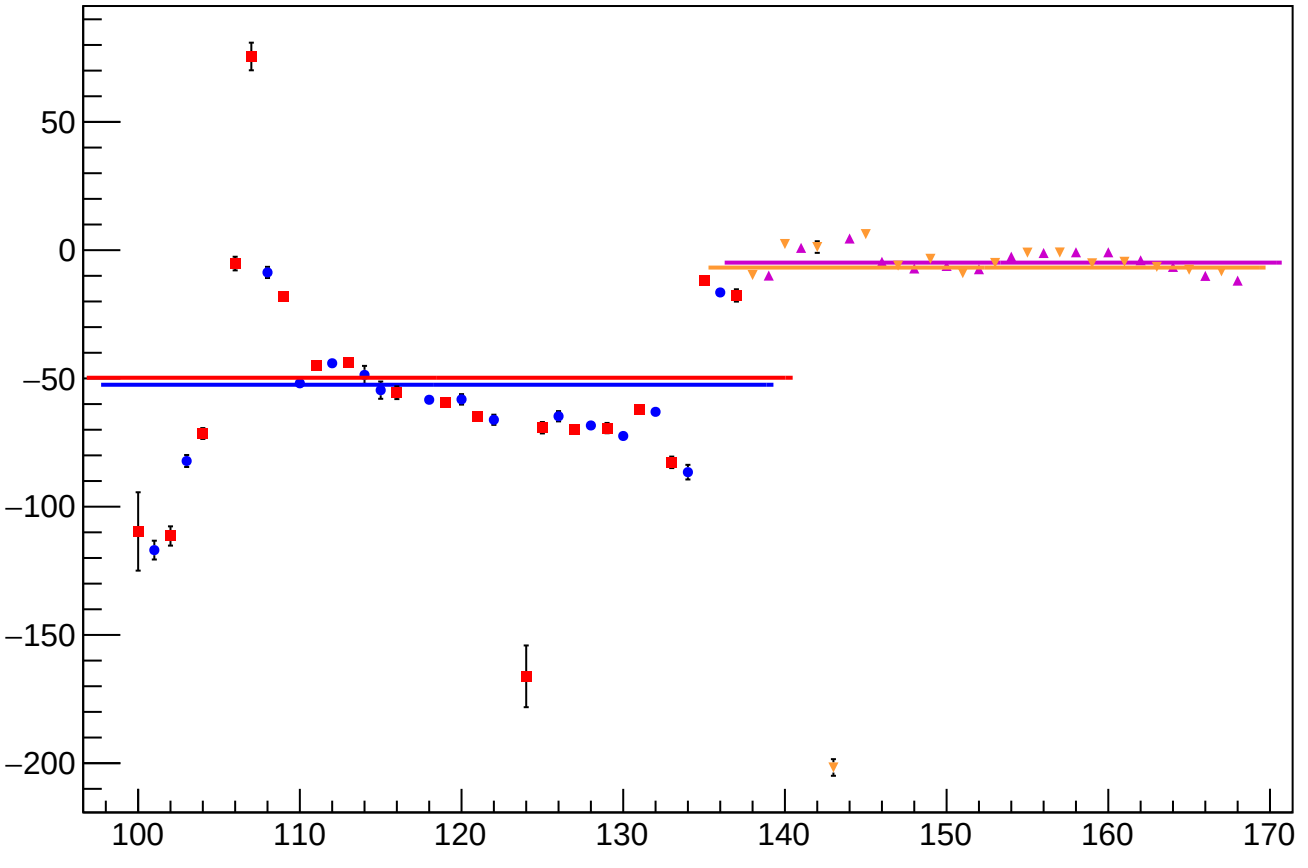
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.483+/-0.279 χ^2/NDF:7000.4/30

Out: 5.959+/-0.278 χ^2/NDF:8986.3/34

All: 5.722+/-0.197 χ^2/NDF: 15988.1/65


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.081+/-0.258 χ²/NDF:125.3/15
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.593+/-0.261 χ²/NDF:61.2/14
Left: 0.253+/-0.183 χ²/NDF: 189.8/30
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.190+/-0.225 χ²/NDF:331.5/30
Out: 0.754+/-0.224 χ²/NDF:349.6/34
All: 0.972+/-0.159 χ²/NDF: 683.1/65



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.854+/-0.359 χ^2/NDF:143.7/14

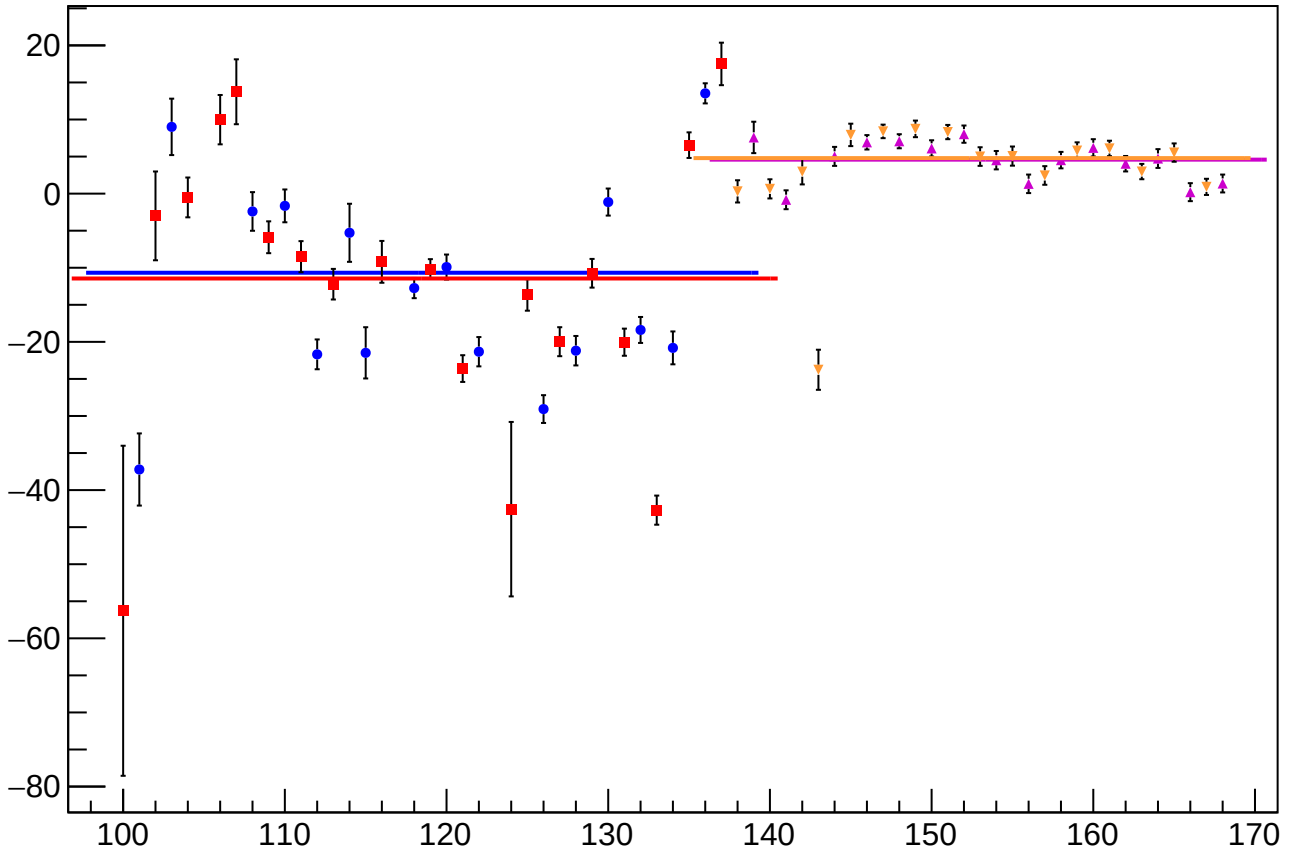
Left: -5.803+/-0.256 χ^2/NDF: 3947.5/30

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.604+/-0.289 χ^2/NDF:8649.8/30

Out: -21.963+/-0.294 χ^2/NDF:11686.2/34

All: -21.781+/-0.206 χ^2/NDF: 20336.8/65



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.793+/-0.301 χ^2/NDF:199.5/15

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.586+/-0.302 χ^2/NDF:72.6/14

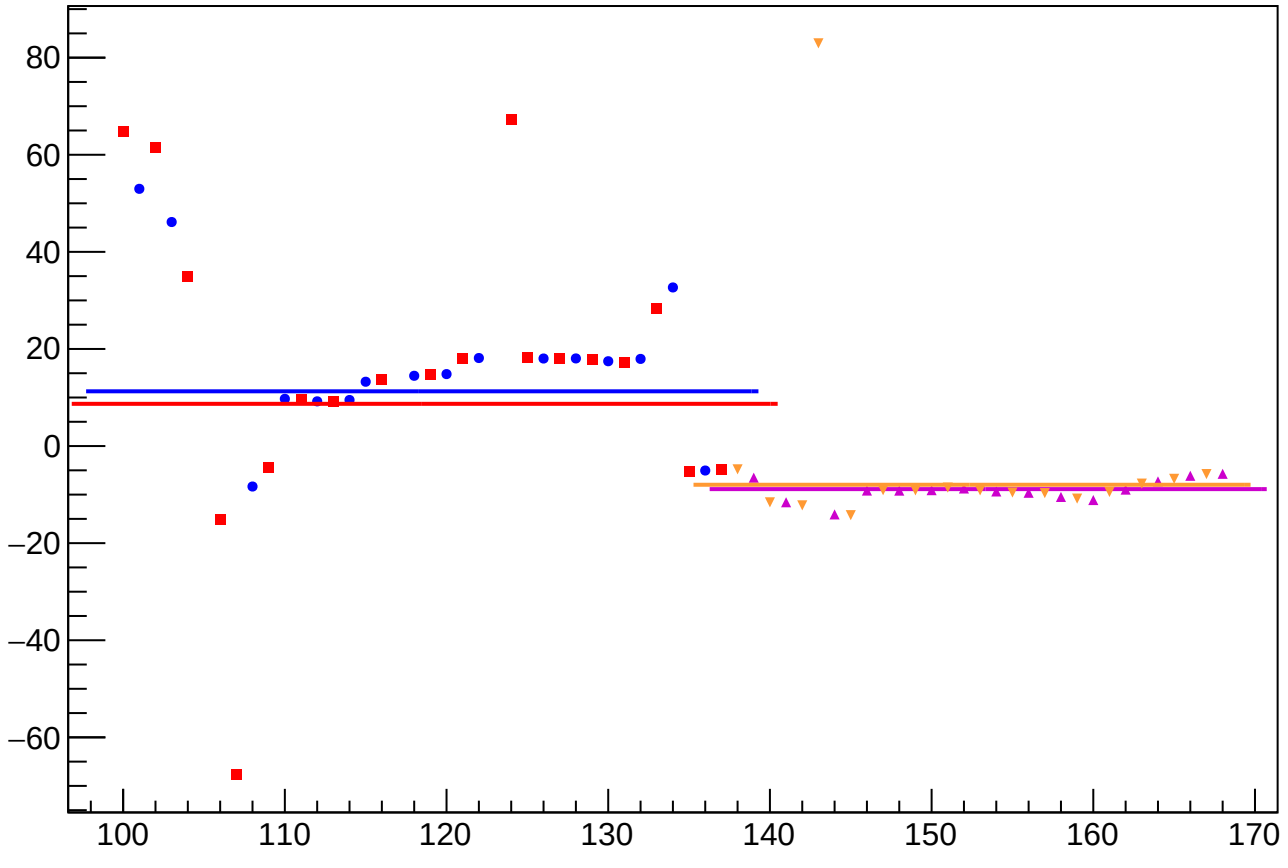
Left: 4.690+/-0.213 χ^2/NDF: 272.4/30

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.562+/-0.260 χ^2/NDF:1410.2/30

Out: 0.675+/-0.260 χ^2/NDF:1604.7/34

All: 0.618+/-0.184 χ^2/NDF: 3015.1/65



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.971+/-0.014 χ^2/NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.870+/-0.013 χ^2/NDF:21878.4/14

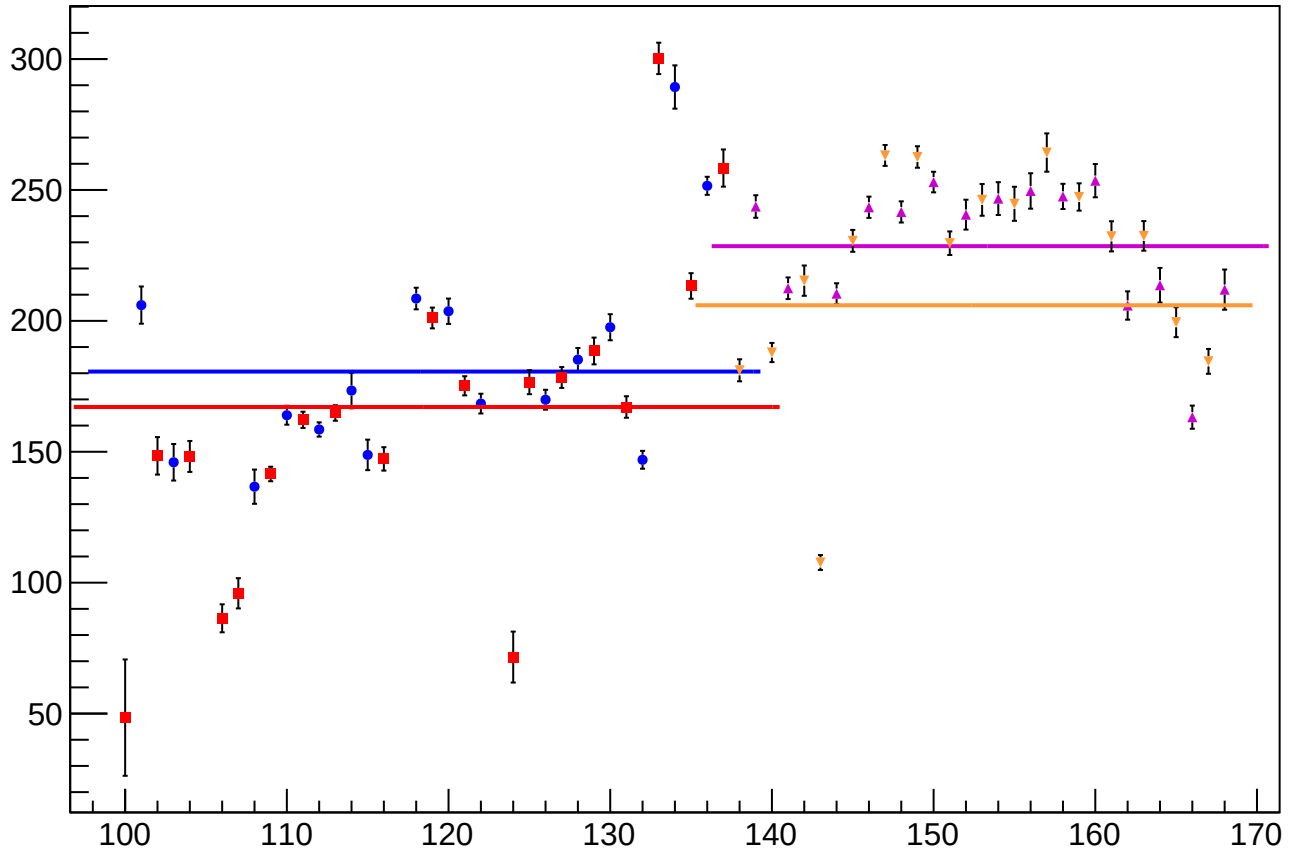
Left: -8.430+/-0.010 χ^2/NDF: 507512.3/30

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.501+/-0.012 χ^2/NDF:748748.2/30

Out: -5.306+/-0.013 χ^2/NDF:1156034.7/34

All: -5.406+/-0.009 χ^2/NDF: 1904905.6/65



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

Left: 216.249+/-0.848 χ^2/NDF: 2572.4/30

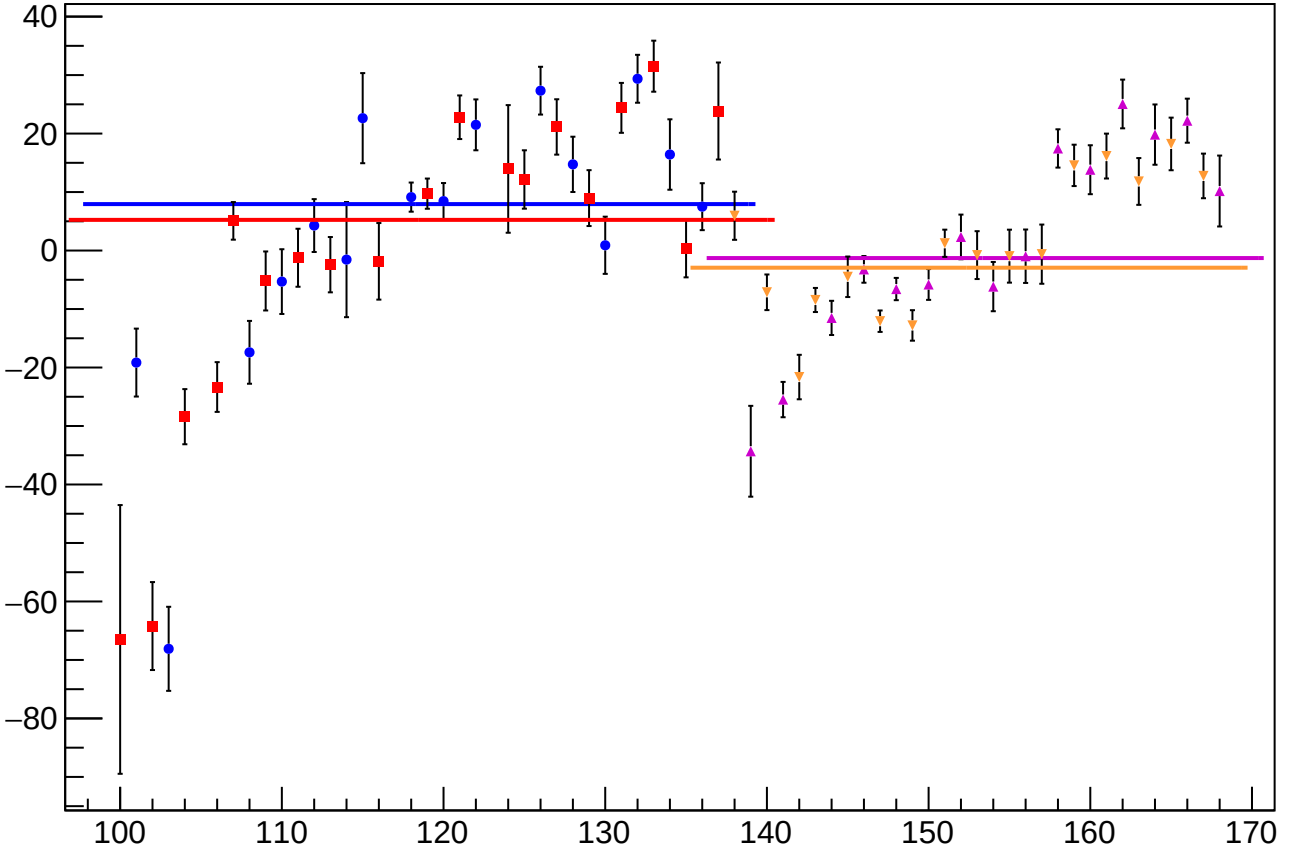
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.200+/-0.823 χ^2/NDF:2233.4/30

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

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: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

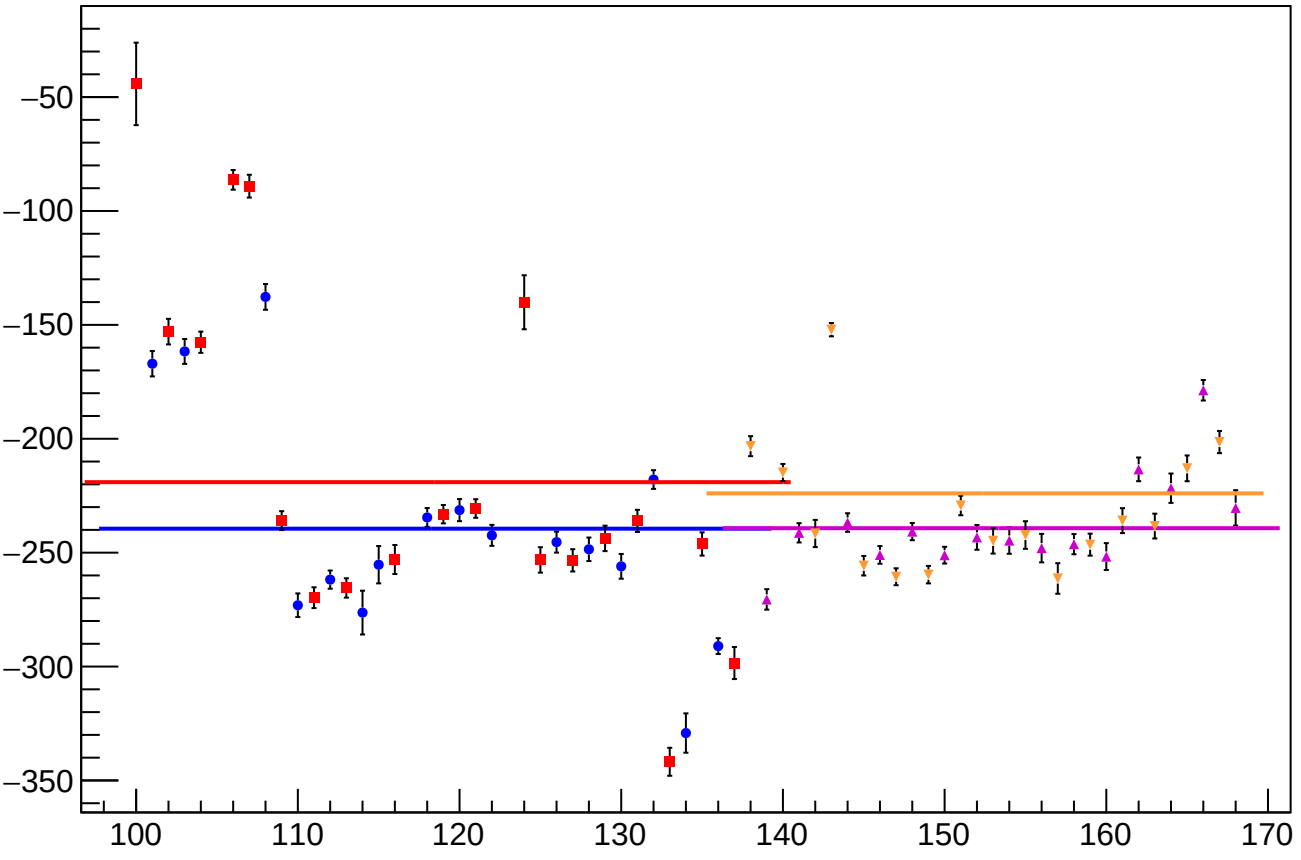
Left: -2.188+/-0.574 χ^2/NDF: 438.3/30

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.133+/-0.678 χ^2/NDF:529.3/30

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.262+/-1.221 χ^2/NDF:292.9/14

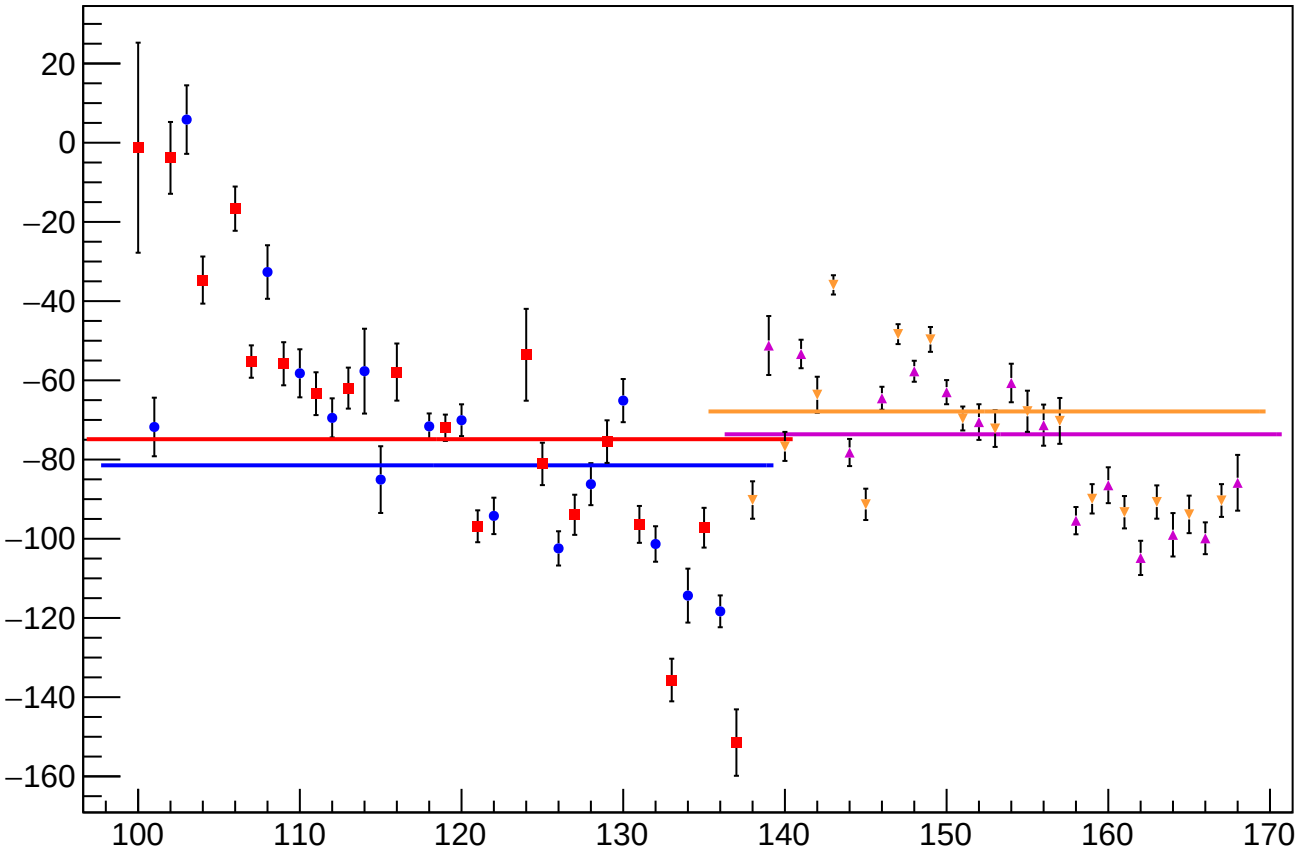
Left: -231.032+/-0.830 χ^2/NDF: 1371.1/30

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

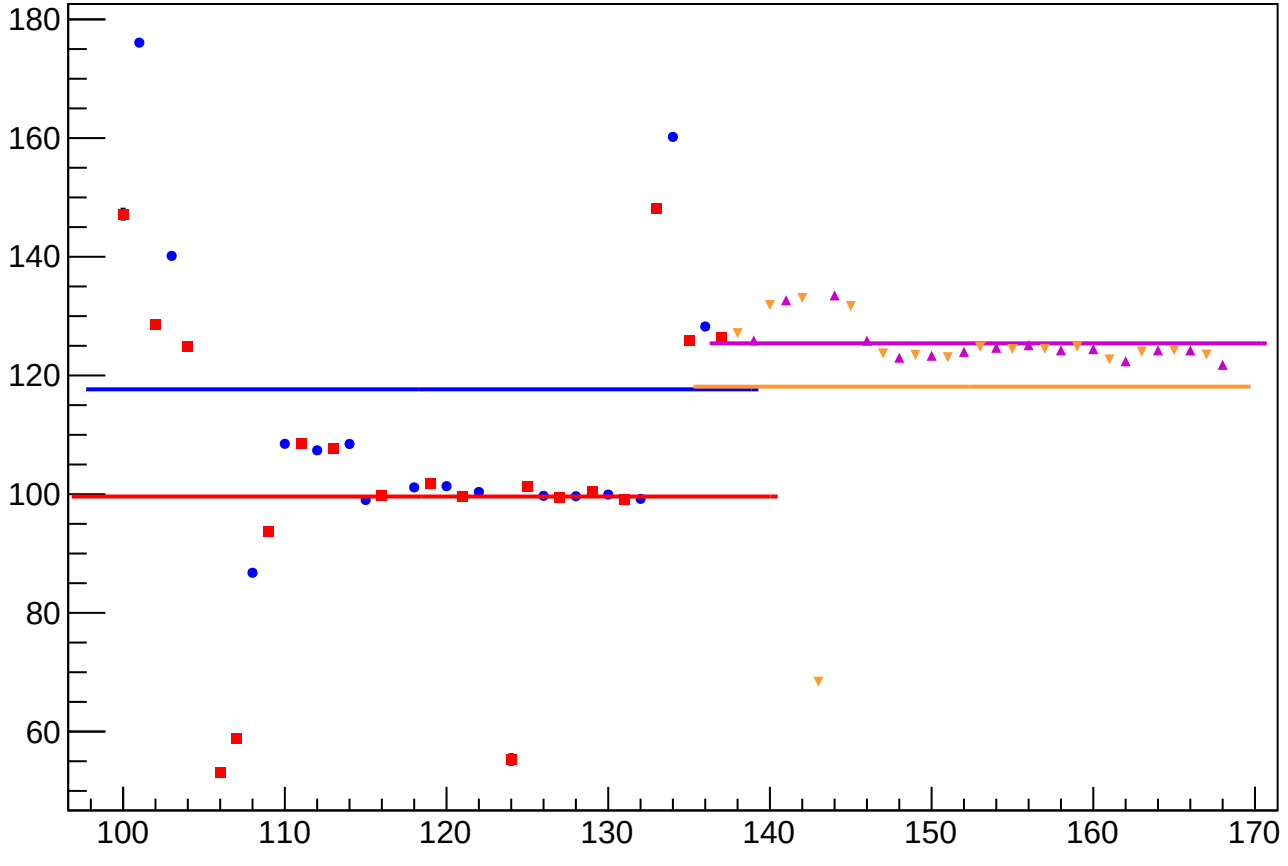
In: -239.363+/-0.872 χ^2/NDF:1455.1/30

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.891+/-0.596 χ^2/NDF: 5728.6/65


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -67.855+/-0.922 χ²/NDF:495.0/15
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -73.622+/-1.010 χ²/NDF:276.0/14
Left: -70.477+/-0.681 χ²/NDF: 788.8/30
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.611+/-0.795 χ²/NDF:665.4/30
Out: -70.377+/-0.738 χ²/NDF:1092.4/34
All: -73.264+/-0.541 χ²/NDF: 1790.9/65

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: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

Left: 121.555+/-0.032 χ^2/NDF: 215001.6/30

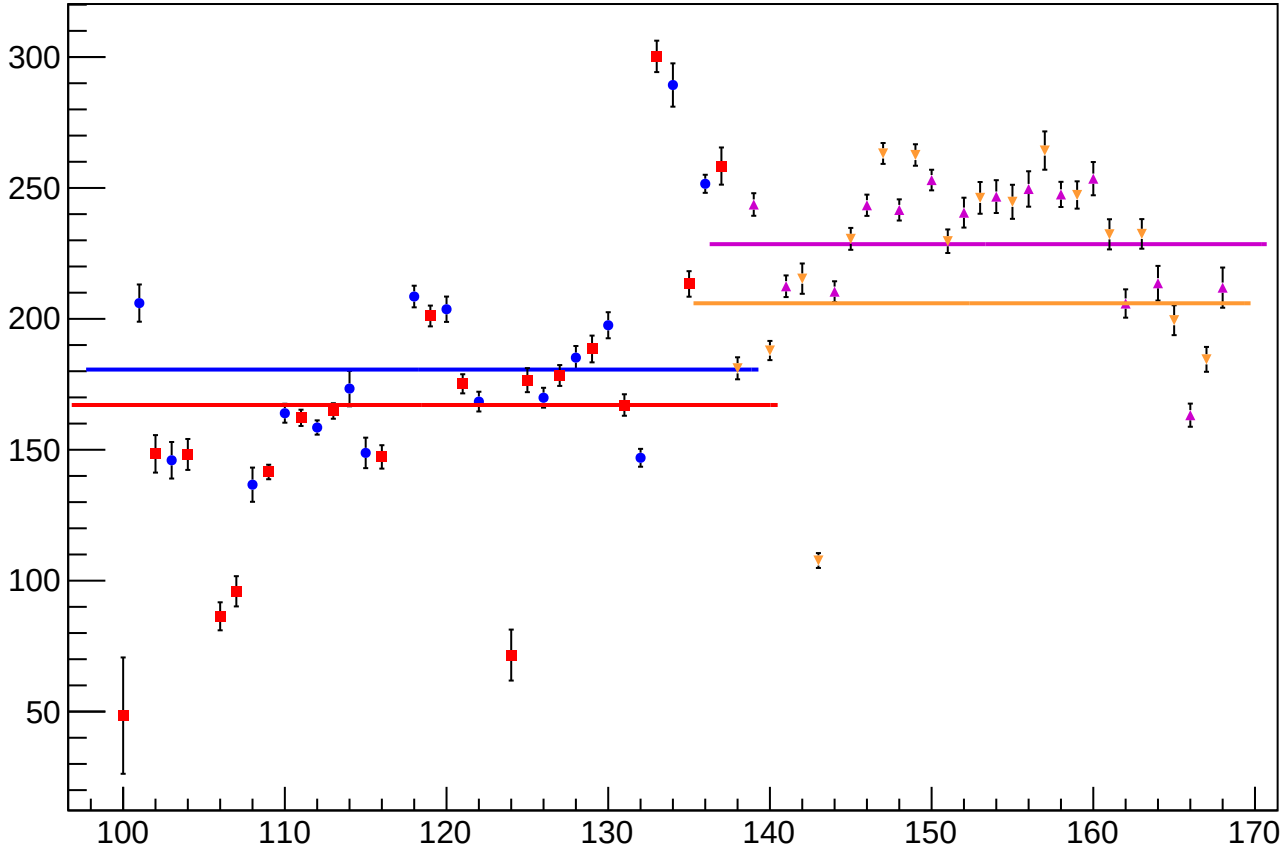
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.364+/-0.040 χ^2/NDF:107416.1/30

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

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: 205.953+/-1.150 χ^2/NDF:1986.3/15

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.533+/-1.256 χ^2/NDF:410.3/14

Left: 216.249+/-0.848 χ^2/NDF: 2572.4/30

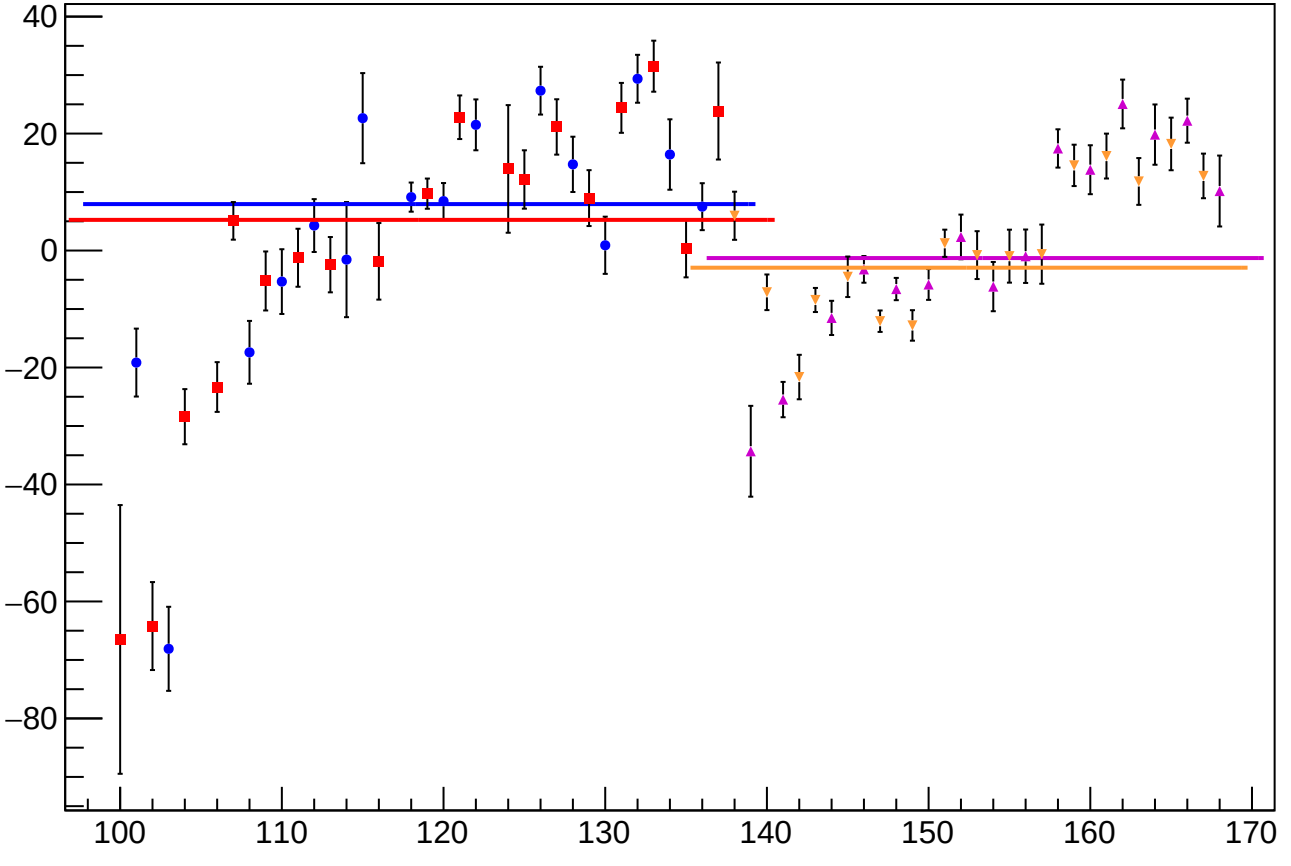
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.200+/-0.823 χ^2/NDF:2233.4/30

Out: 184.224+/-0.763 χ^2/NDF:4109.2/34

All: 192.074+/-0.560 χ^2/NDF: 6571.3/65

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.933+/-0.776 χ^2/NDF:183.2/15

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.285+/-0.854 χ^2/NDF:253.2/14

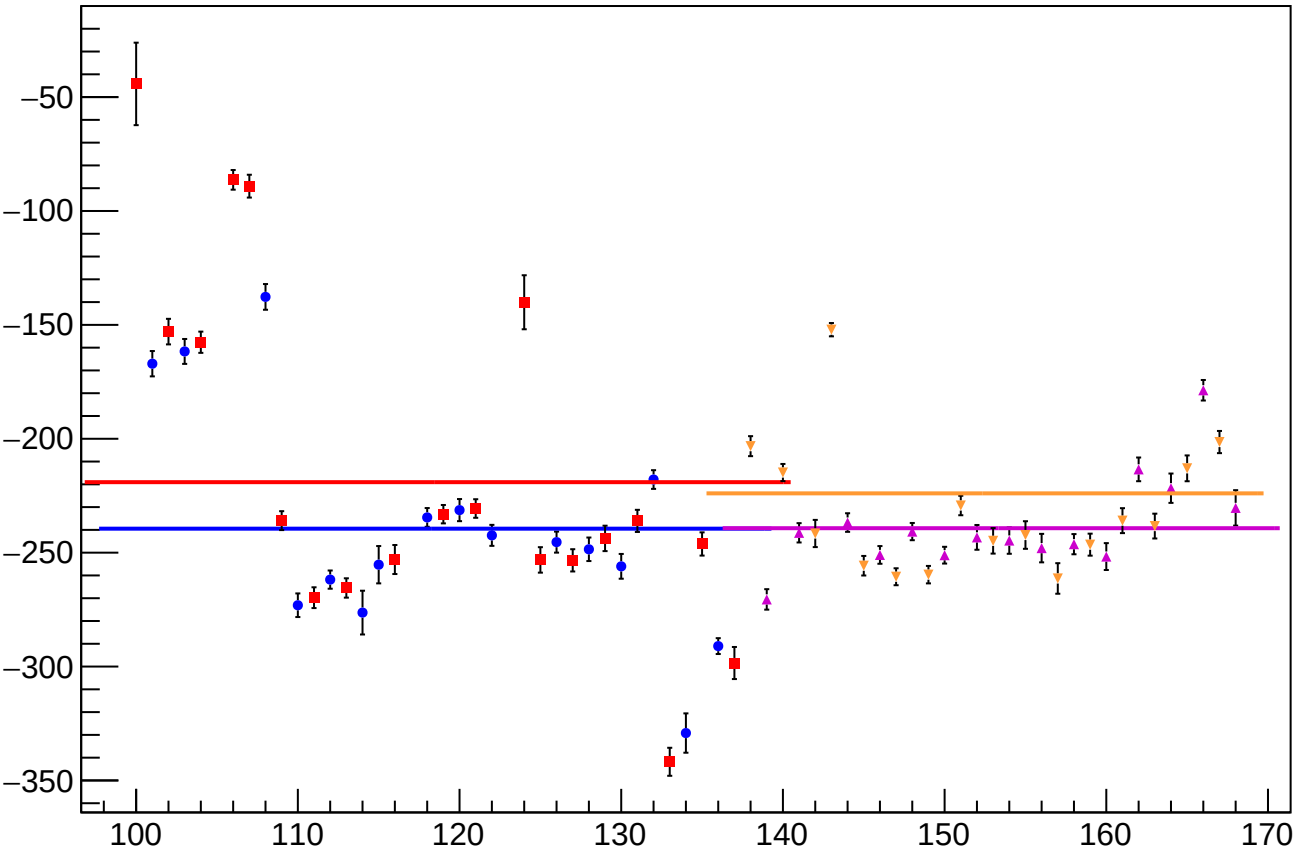
Left: -2.188+/-0.574 χ^2/NDF: 438.3/30

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.133+/-0.678 χ^2/NDF:529.3/30

Out: -0.088+/-0.627 χ^2/NDF:524.7/34

All: 0.936+/-0.460 χ^2/NDF: 1059.8/65



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.966+/-1.131 χ^2/NDF:993.8/15

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.262+/-1.221 χ^2/NDF:292.9/14

Left: -231.032+/-0.830 χ^2/NDF: 1371.1/30

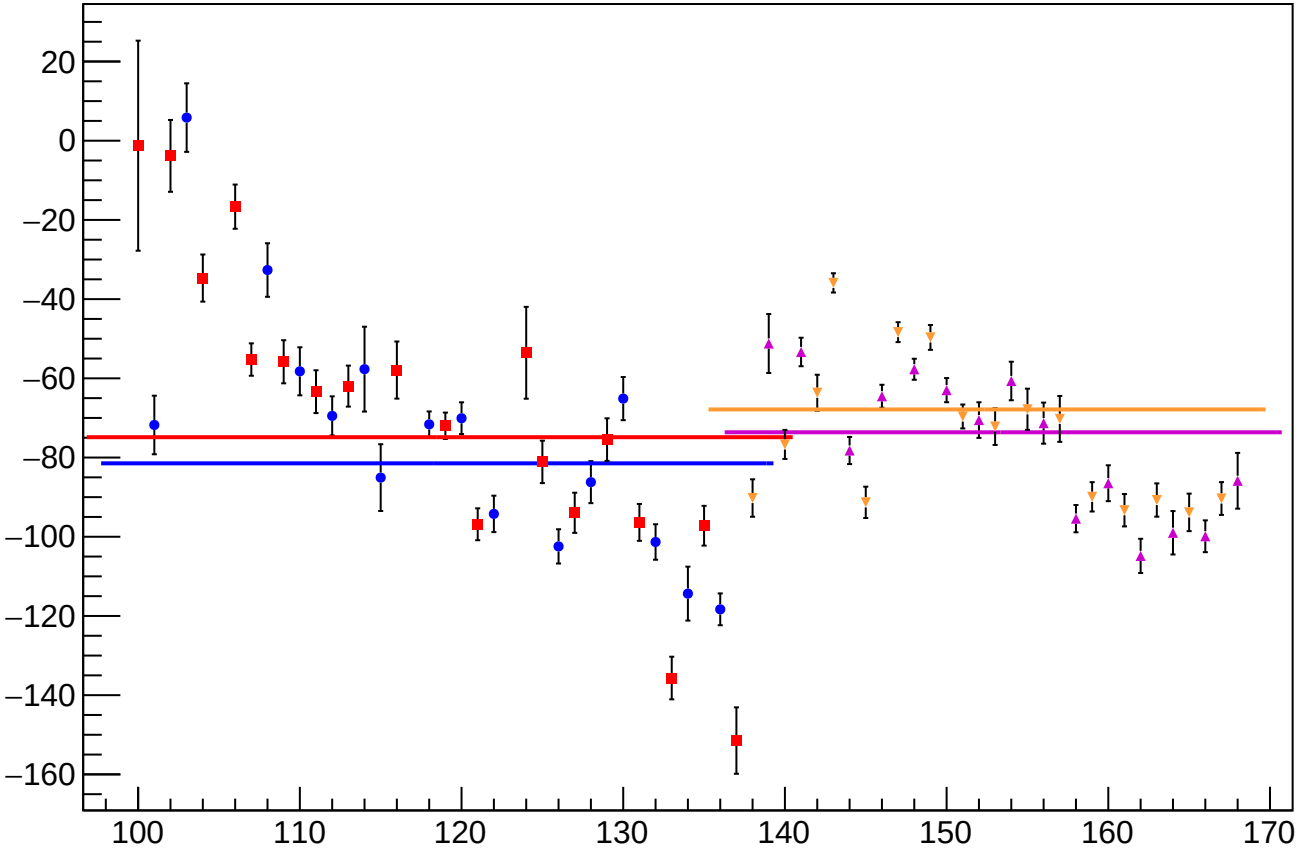
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.363+/-0.872 χ^2/NDF:1455.1/30

Out: -221.605+/-0.815 χ^2/NDF:4052.2/34

All: -229.891+/-0.596 χ^2/NDF: 5728.6/65

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: -67.855+/-0.922 χ^2/NDF:495.0/15

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.622+/-1.010 χ^2/NDF:276.0/14

Left: -70.477+/-0.681 χ^2/NDF: 788.8/30

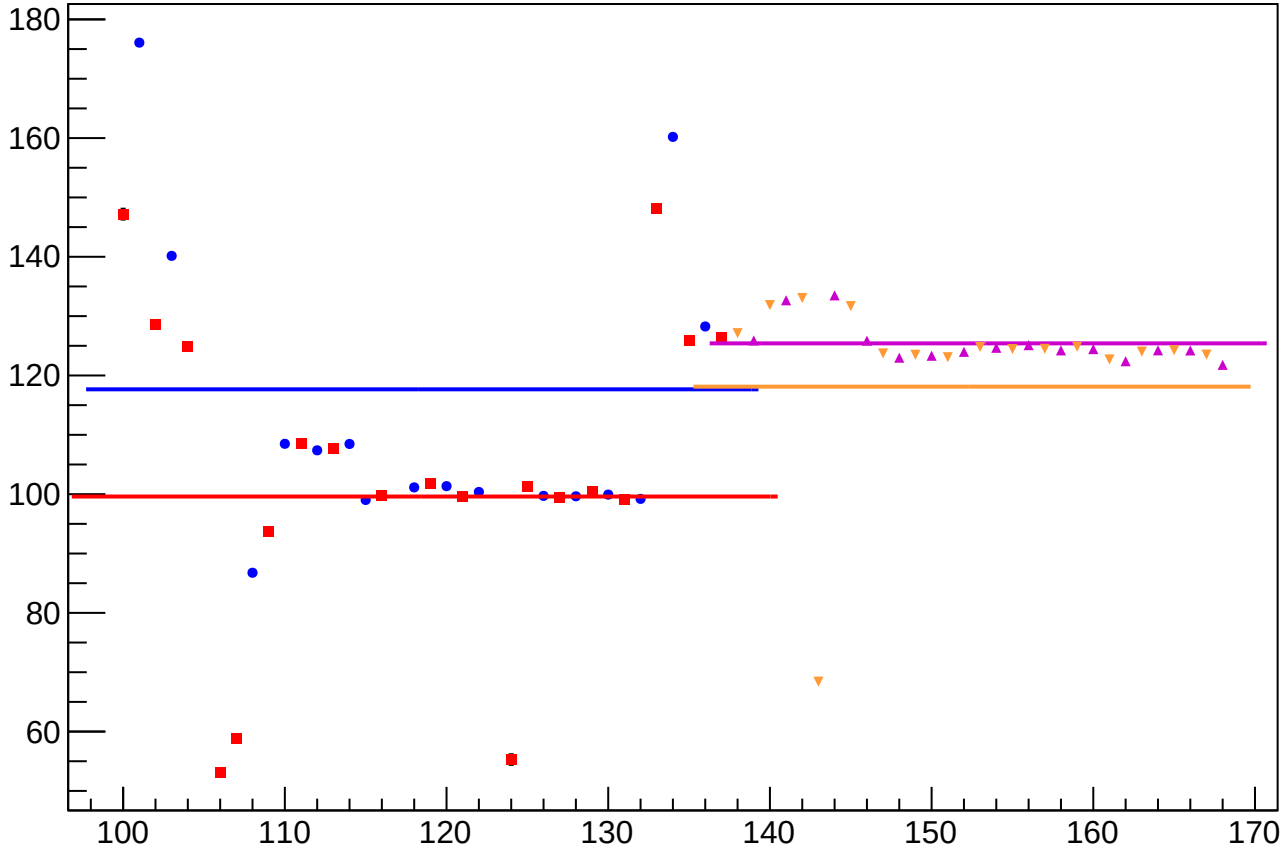
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.611+/-0.795 χ^2/NDF:665.4/30

Out: -70.377+/-0.738 χ^2/NDF:1092.4/34

All: -73.264+/-0.541 χ^2/NDF: 1790.9/65

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: 118.118+/-0.044 χ^2/NDF:197406.9/15

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.412+/-0.047 χ^2/NDF:4811.0/14

Left: 121.555+/-0.032 χ^2/NDF: 215001.6/30

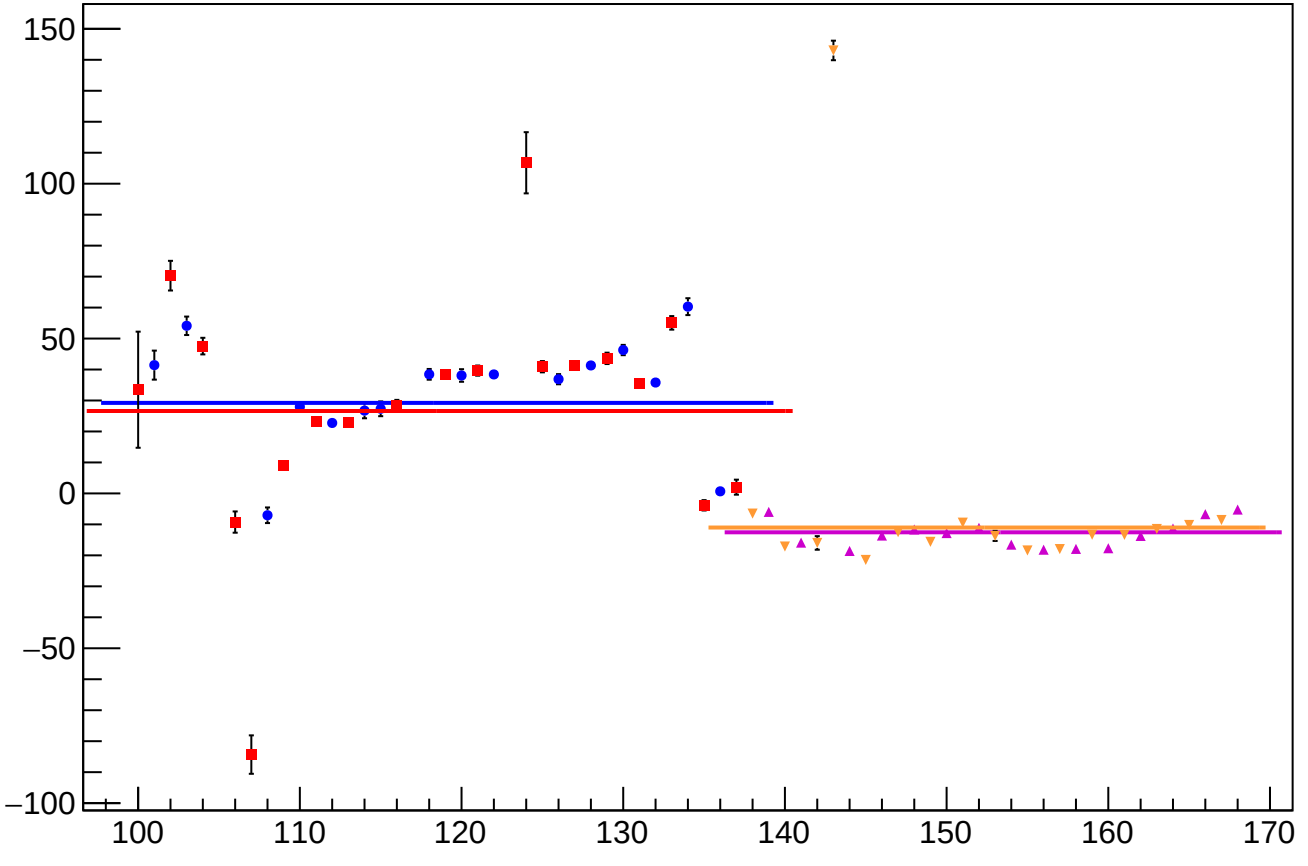
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.364+/-0.040 χ^2/NDF:107416.1/30

Out: 112.860+/-0.037 χ^2/NDF:413297.4/34

All: 117.738+/-0.027 χ^2/NDF: 557214.8/65

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: -11.015+/-0.375 χ^2/NDF:2534.4/15

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.559+/-0.370 χ^2/NDF:145.1/14

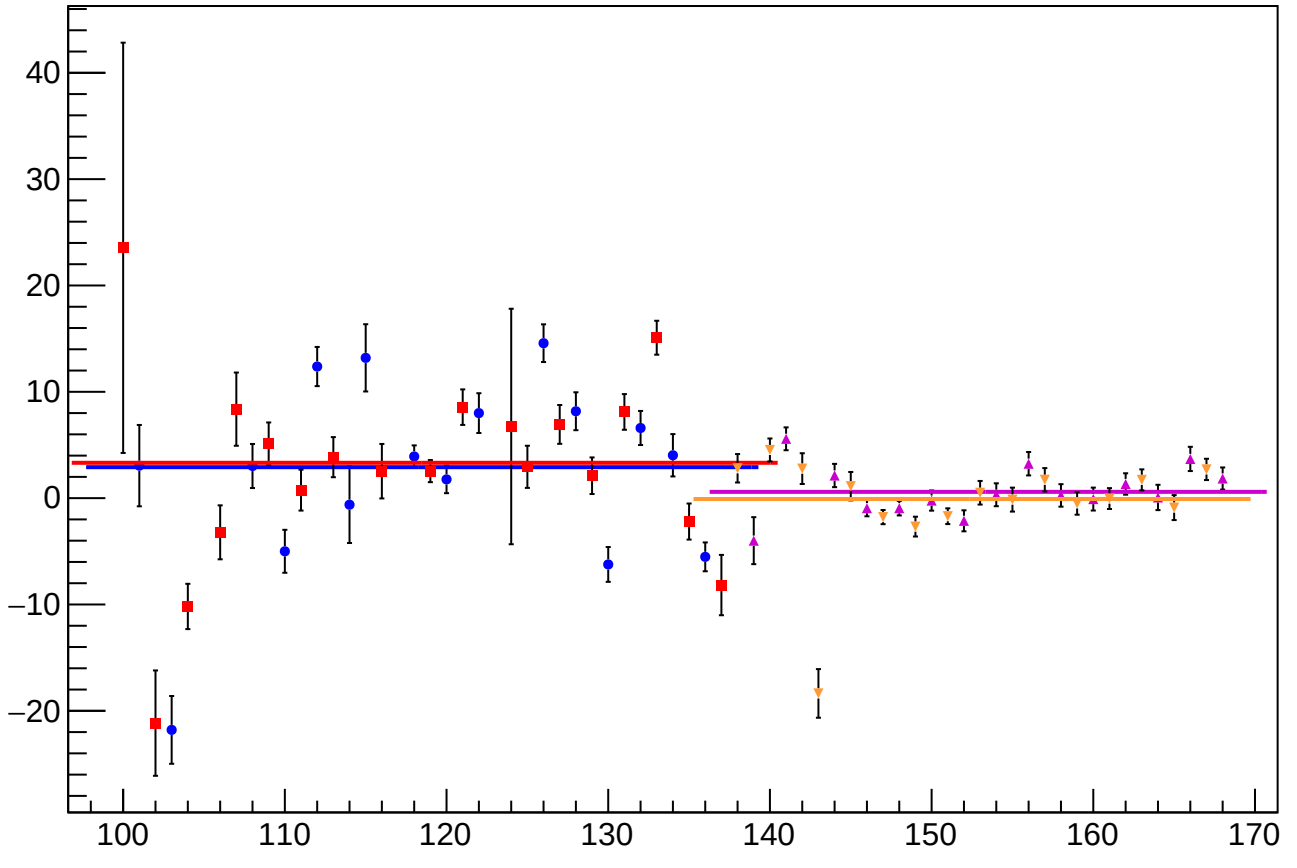
Left: -11.799+/-0.263 χ^2/NDF: 2688.1/30

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.483+/-0.279 χ^2/NDF:7000.4/30

Out: 5.959+/-0.278 χ^2/NDF:8986.3/34

All: 5.722+/-0.197 χ^2/NDF: 15988.1/65



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.081+/-0.258 χ^2/NDF:125.3/15

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.593+/-0.261 χ^2/NDF:61.2/14

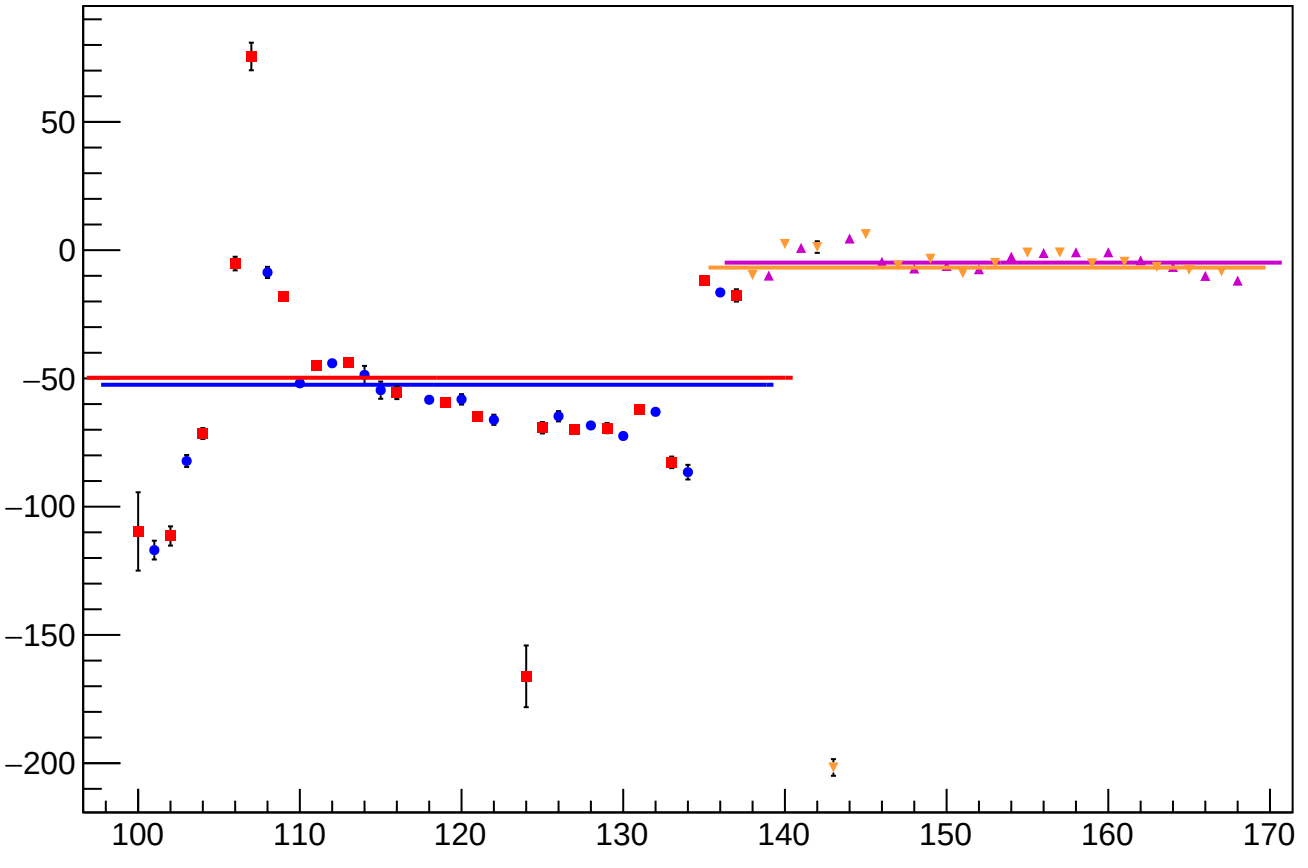
Left: 0.253+/-0.183 χ^2/NDF: 189.8/30

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.190+/-0.225 χ^2/NDF:331.5/30

Out: 0.754+/-0.224 χ^2/NDF:349.6/34

All: 0.972+/-0.159 χ^2/NDF: 683.1/65



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.784+/-0.365 χ^2/NDF:3789.6/15

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.854+/-0.359 χ^2/NDF:143.7/14

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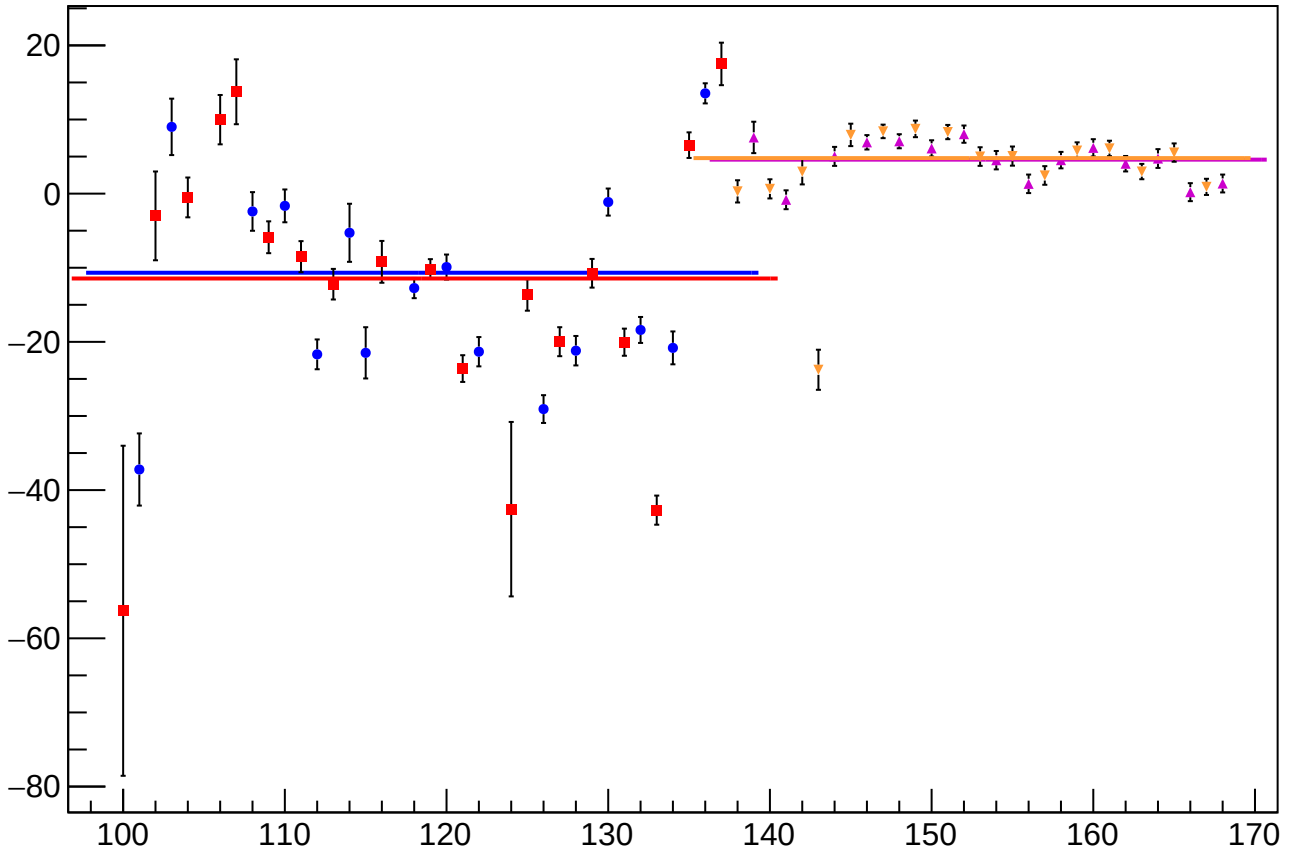
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.604+/-0.289 χ^2/NDF:8649.8/30

Out: -21.963+/-0.294 χ^2/NDF:11686.2/34

All: -21.781+/-0.206 χ^2/NDF: 20336.8/65



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.793+/-0.301 χ^2/NDF:199.5/15

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.586+/-0.302 χ^2/NDF:72.6/14

Left: 4.690+/-0.213 χ^2/NDF: 272.4/30

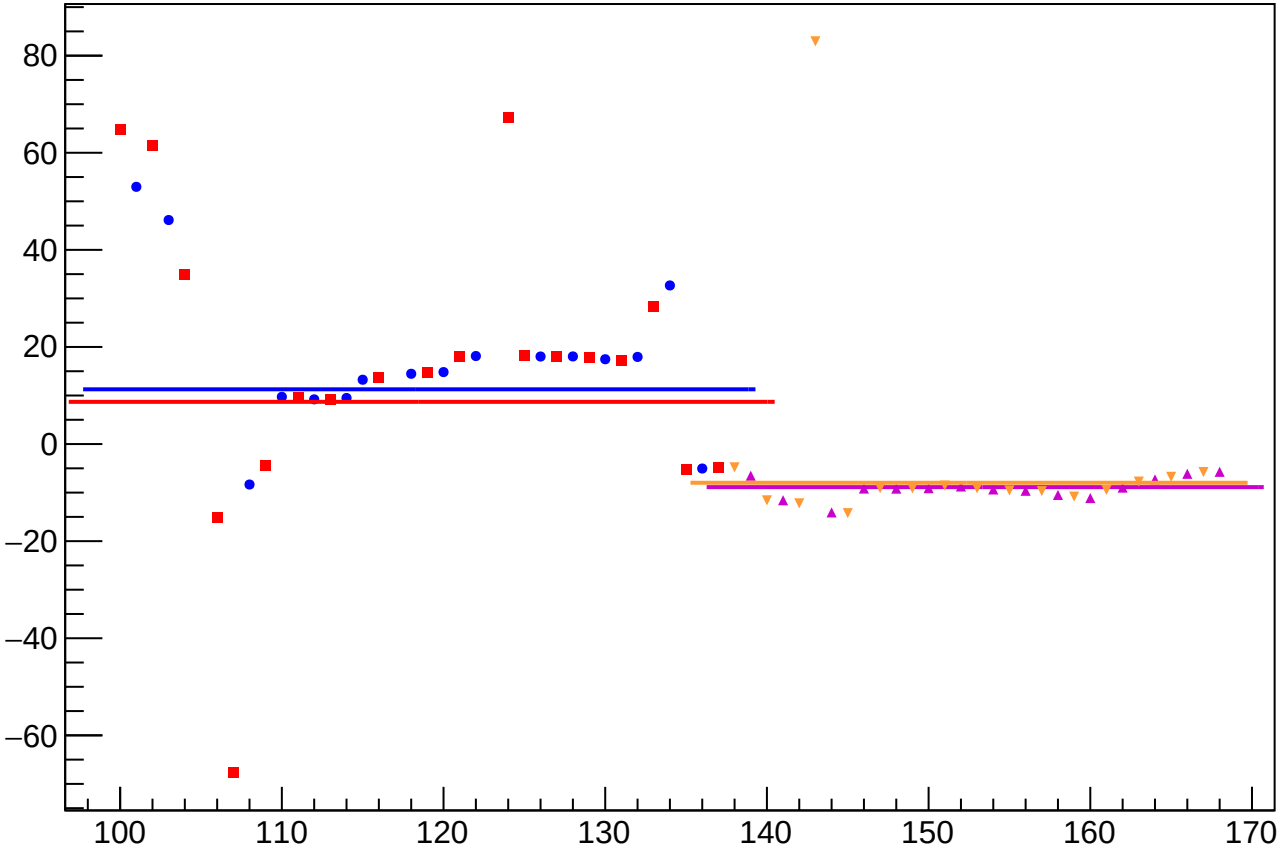
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.562+/-0.260 χ^2/NDF:1410.2/30

Out: 0.675+/-0.260 χ^2/NDF:1604.7/34

All: 0.618+/-0.184 χ^2/NDF: 3015.1/65

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: -7.971+/-0.014 χ^2/NDF:483436.6/15

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.870+/-0.013 χ^2/NDF:21878.4/14

Left: -8.430+/-0.010 χ^2/NDF: 507512.3/30

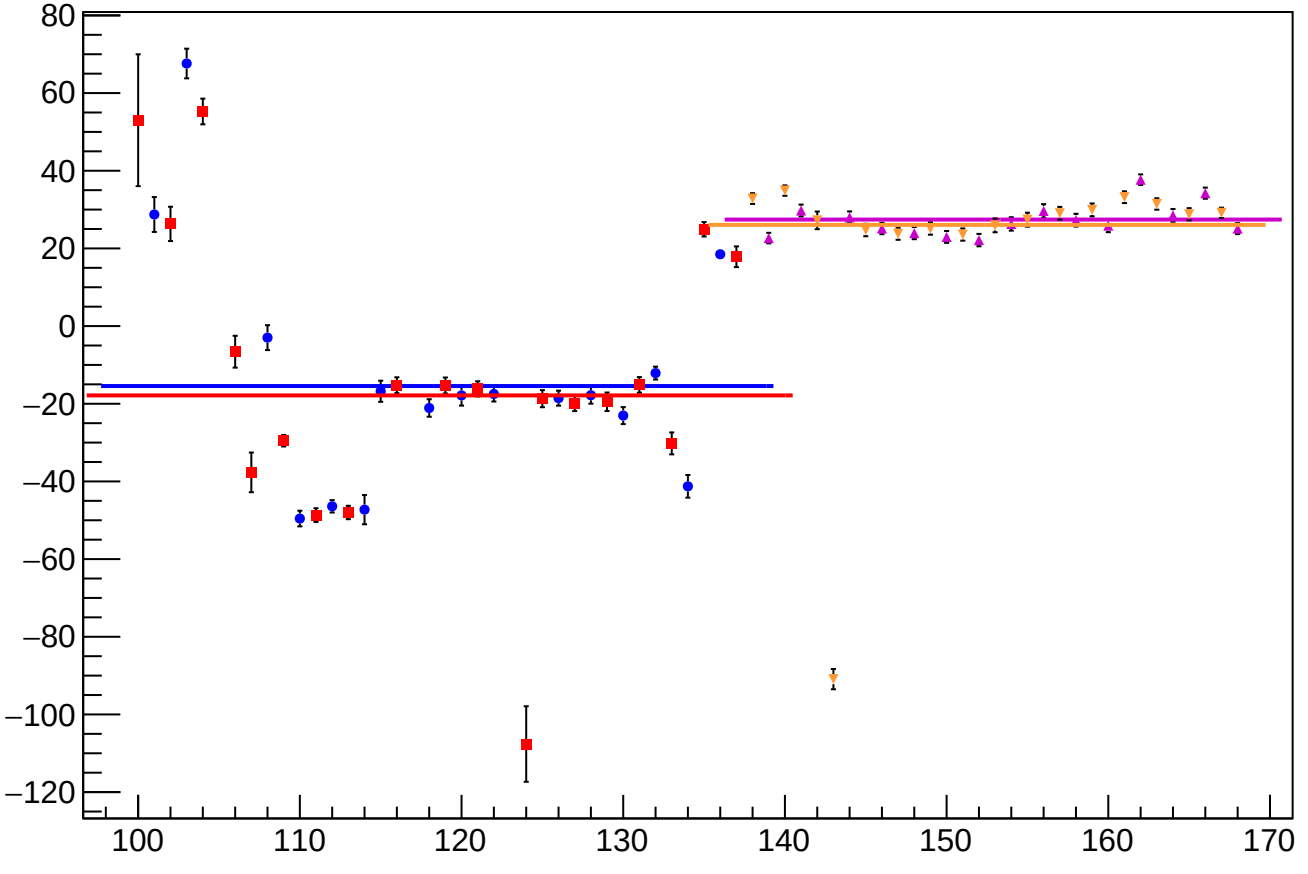
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.501+/-0.012 χ^2/NDF:748748.2/30

Out: -5.306+/-0.013 χ^2/NDF:1156034.7/34

All: -5.406+/-0.009 χ^2/NDF: 1904905.6/65

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 26.061+/-0.401 χ^2/NDF:2131.1/15

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.431+/-0.396 χ^2/NDF:127.0/14

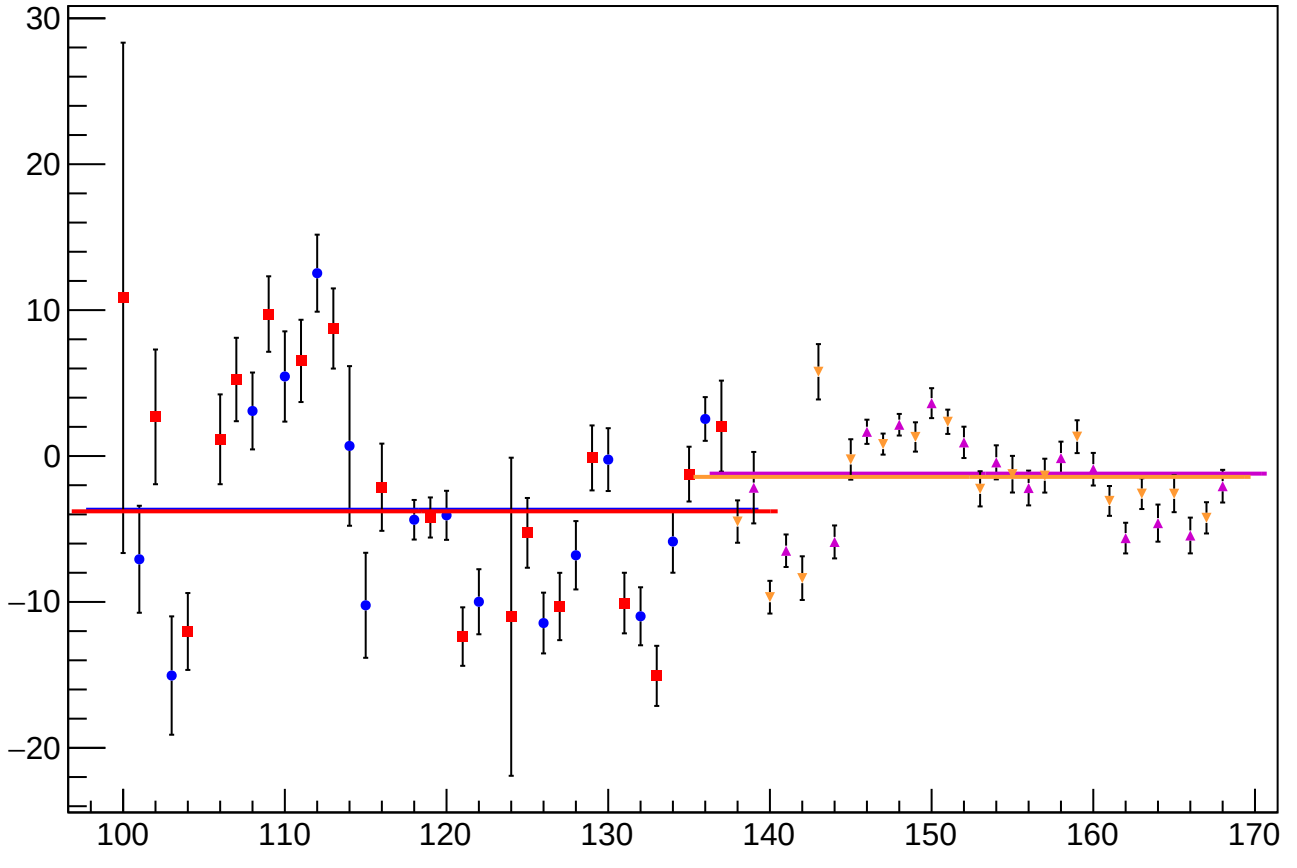
Left: 26.754+/-0.282 χ^2/NDF: 2264.1/30

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 12.403+/-0.319 χ^2/NDF:6358.7/30

Out: 10.085+/-0.319 χ^2/NDF:8628.8/34

All: 11.245+/-0.226 χ^2/NDF: 15013.8/65



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.429+/-0.276 χ^2/NDF:150.9/15

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.207+/-0.279 χ^2/NDF:137.8/14

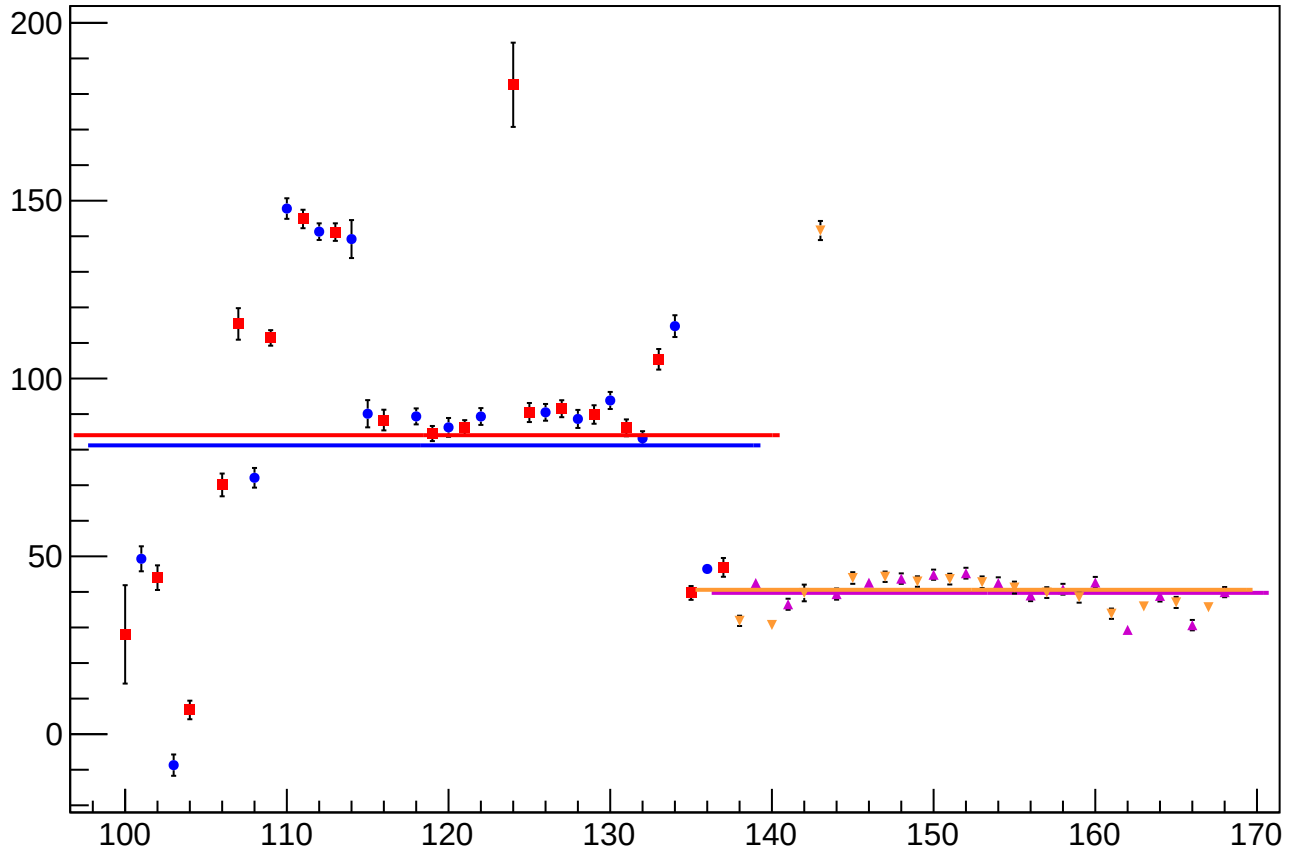
Left: -1.319+/-0.196 χ^2/NDF: 289.0/30

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.709+/-0.249 χ^2/NDF:277.8/30

Out: -1.887+/-0.248 χ^2/NDF:326.2/34

All: -1.798+/-0.176 χ^2/NDF: 604.2/65



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.593+/-0.390 χ^2/NDF:1573.0/15

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.736+/-0.385 χ^2/NDF:154.7/14

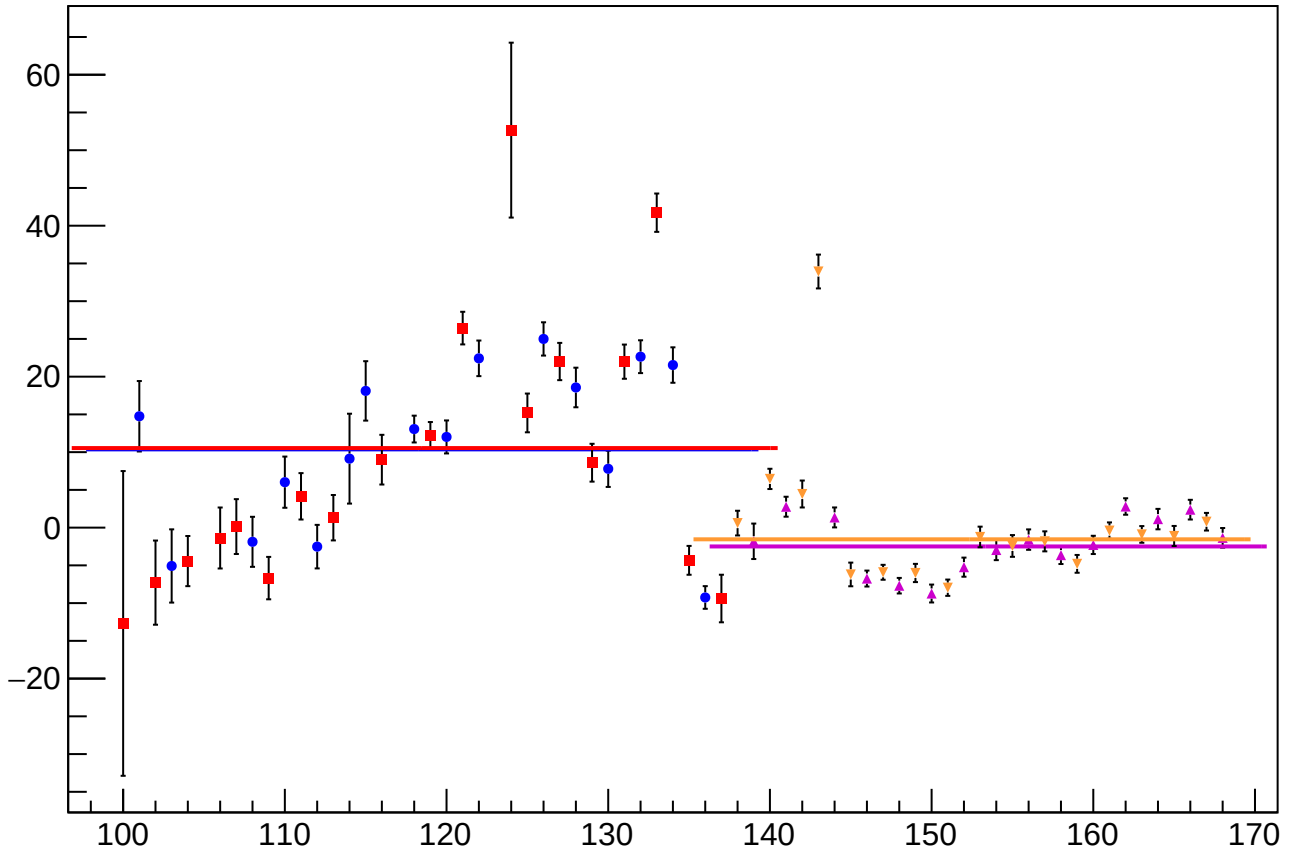
Left: 40.158+/-0.274 χ^2/NDF: 1730.1/30

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

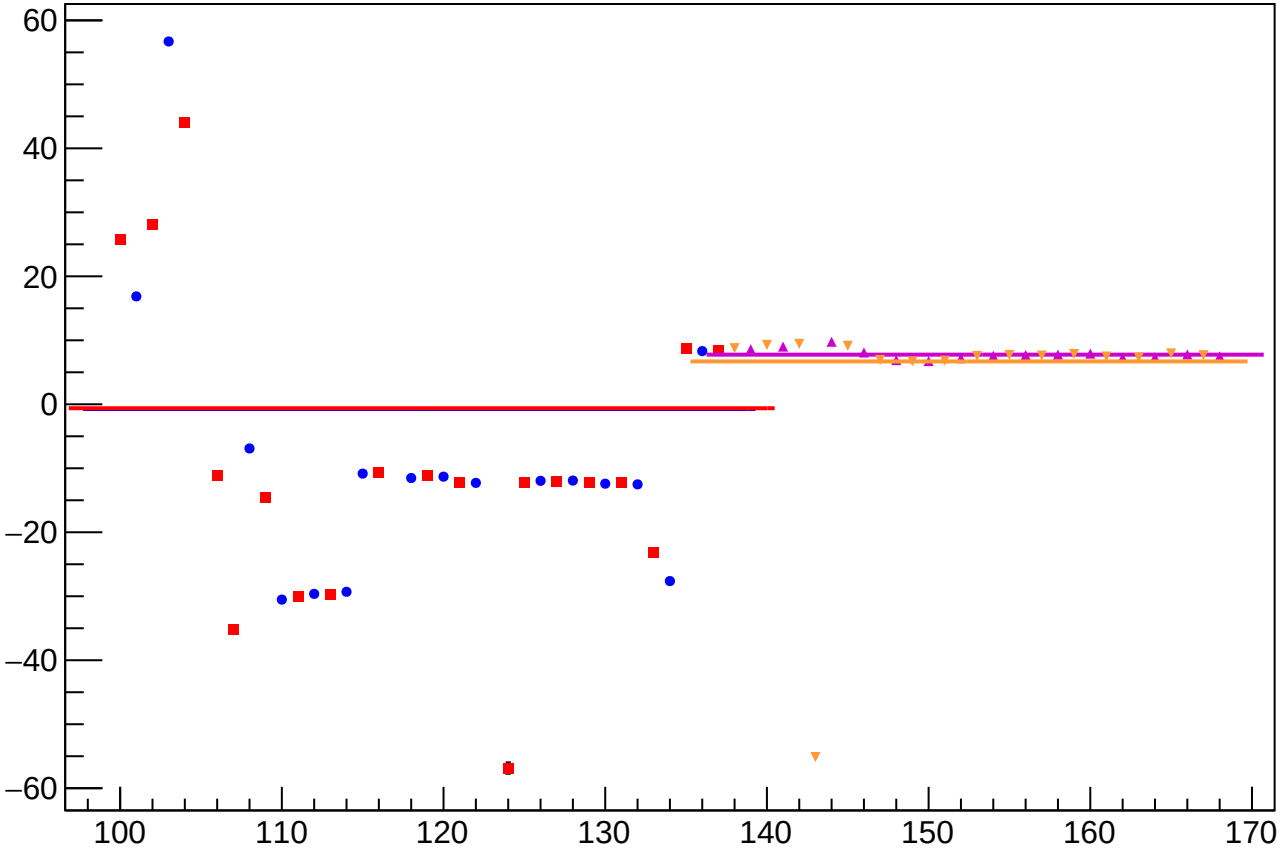
In: 51.623+/-0.325 χ^2/NDF:6713.6/30

Out: 53.028+/-0.330 χ^2/NDF:8332.2/34

All: 52.316+/-0.231 χ^2/NDF: 15055.0/65


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.549+/-0.321 χ²/NDF:390.0/15
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.494+/-0.323 χ²/NDF:145.4/14
Left: -2.018+/-0.228 χ²/NDF: 539.7/30
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.211+/-0.287 χ²/NDF:837.9/30
Out: 0.884+/-0.287 χ²/NDF:1145.5/34
All: 0.548+/-0.203 χ²/NDF: 1986.2/65

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.698+/-0.015 χ^2/NDF:314074.9/15

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.757+/-0.014 χ^2/NDF:2321.5/14

Left: 7.238+/-0.010 χ^2/NDF: 319055.3/30

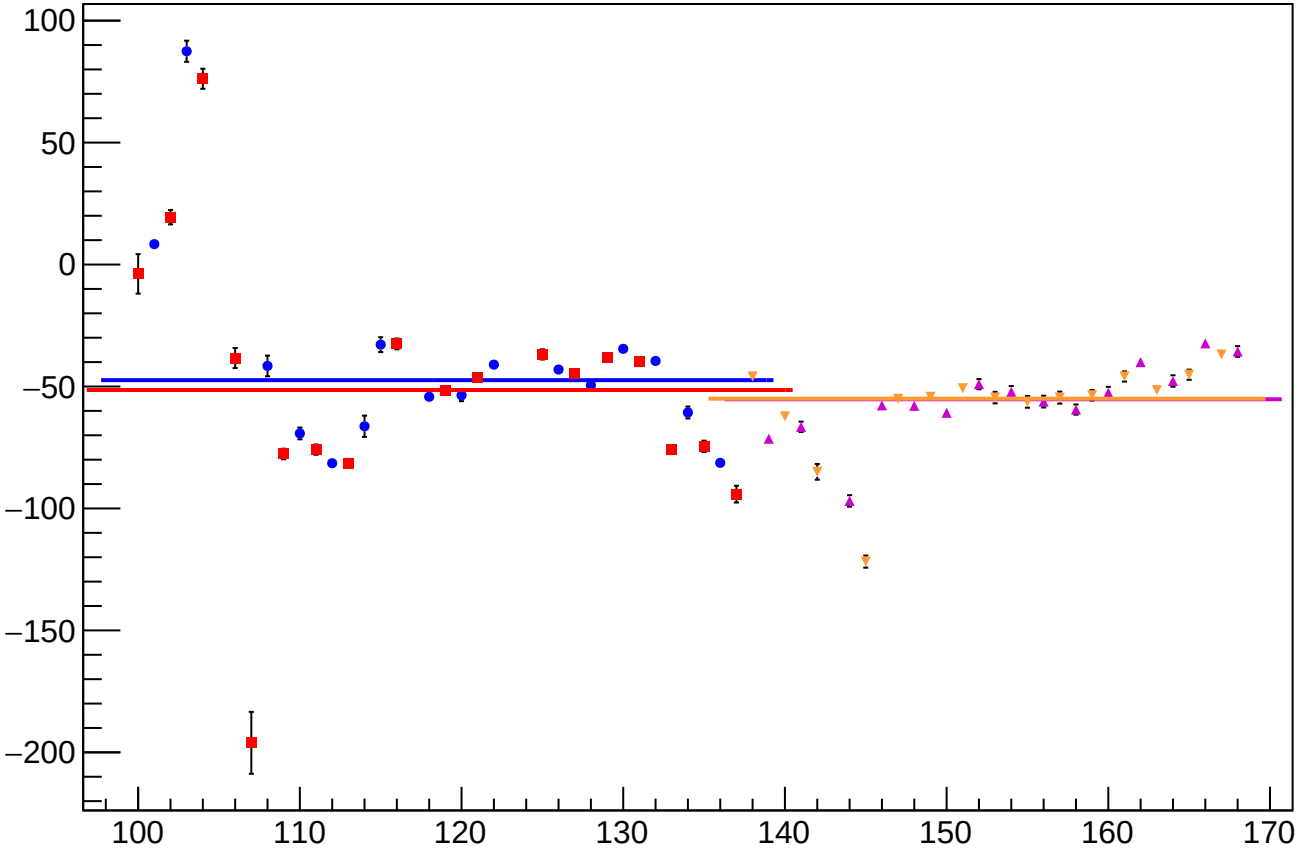
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.581+/-0.013 χ^2/NDF:418700.0/30

Out: 5.720+/-0.014 χ^2/NDF:663844.1/34

All: 6.160+/-0.010 χ^2/NDF: 1084577.4/65

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: -54.988+/-0.537 χ^2/NDF:1004.1/14

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -55.231+/-0.530 χ^2/NDF:774.5/14

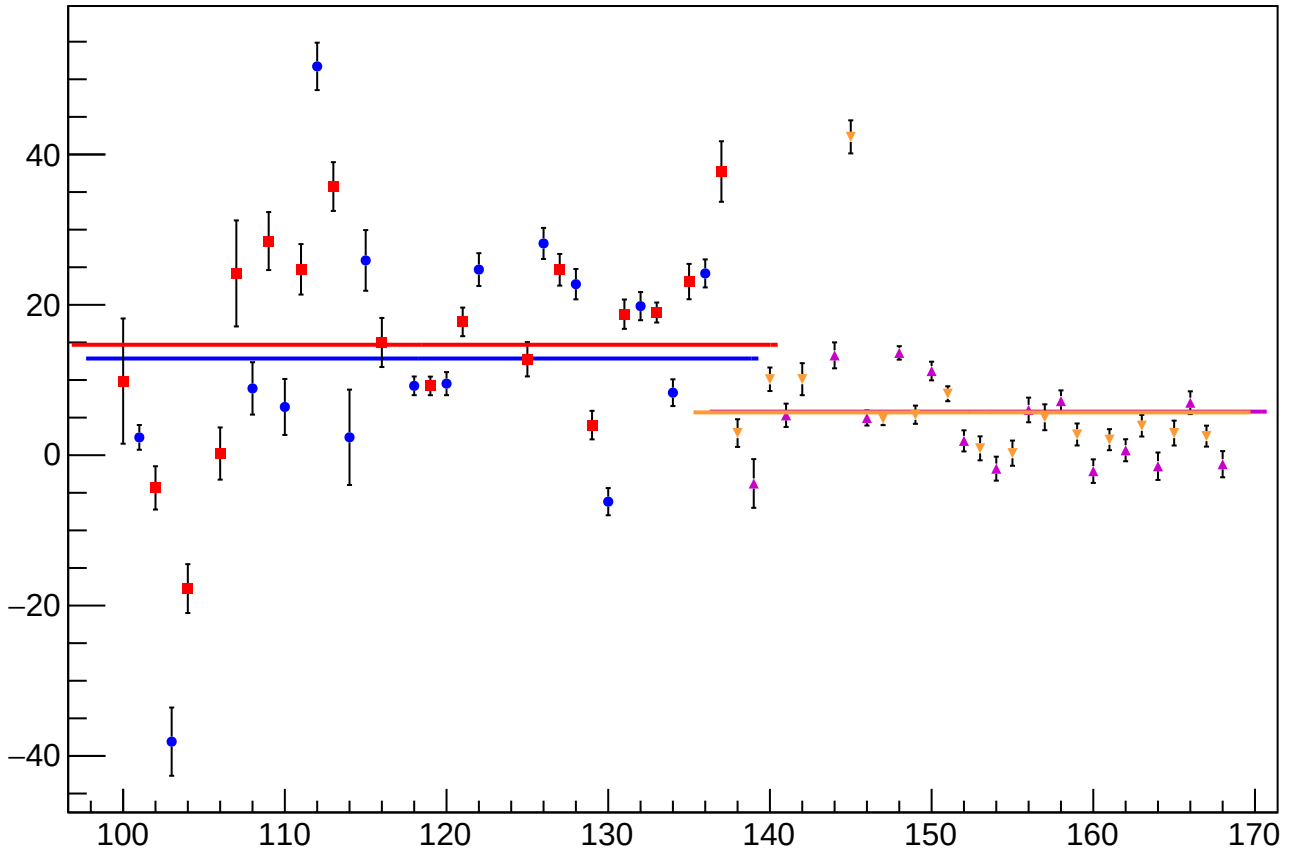
Left: -55.111+/-0.377 χ^2/NDF: 1778.7/29

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -51.353+/-0.377 χ^2/NDF:3651.7/30

Out: -53.241+/-0.383 χ^2/NDF:3898.3/32

All: -52.281+/-0.268 χ^2/NDF: 7562.3/63



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.694+/-0.363 χ^2/NDF:339.1/14

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.795+/-0.367 χ^2/NDF:224.9/14

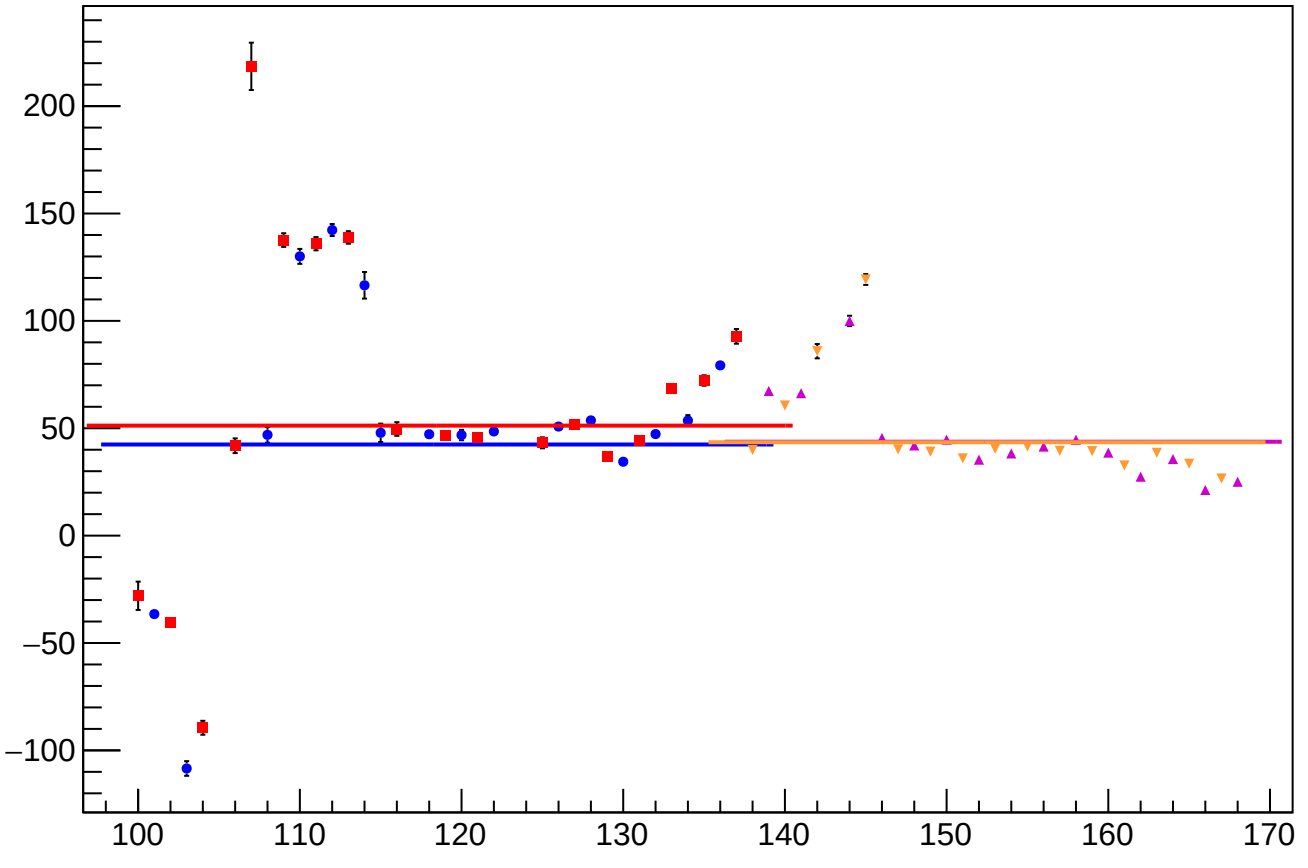
Left: 5.744+/-0.258 χ^2/NDF: 564.0/29

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.149+/-0.299 χ^2/NDF:974.1/30

Out: 8.464+/-0.302 χ^2/NDF:892.3/32

All: 8.305+/-0.213 χ^2/NDF: 1867.0/63



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 43.496+/-0.522 χ^2/NDF:1336.4/14

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 43.720+/-0.514 χ^2/NDF:1158.6/14

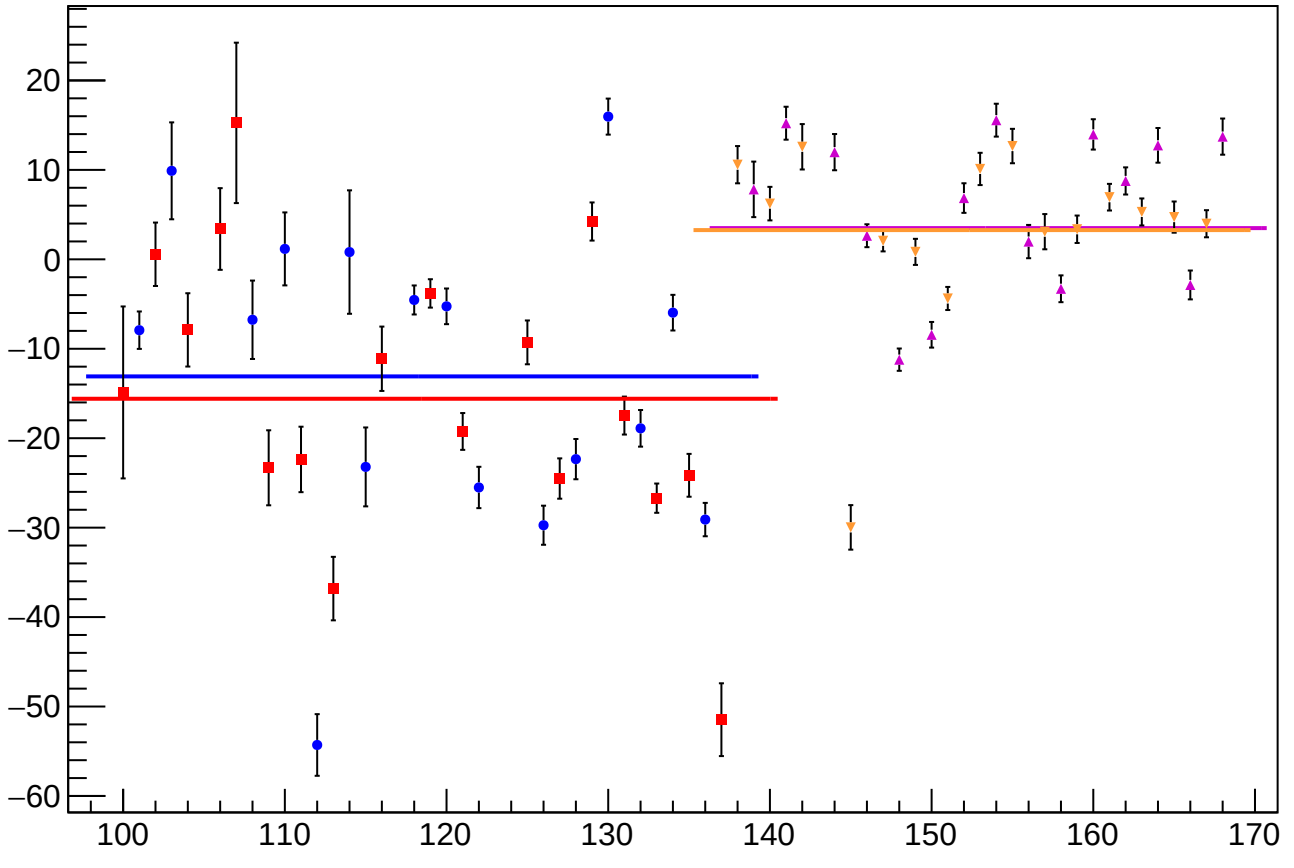
Left: 43.610+/-0.366 χ^2/NDF: 2495.1/29

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 43.161+/-0.386 χ^2/NDF:8330.2/30

Out: 46.731+/-0.398 χ^2/NDF:8039.6/32

All: 44.891+/-0.277 χ^2/NDF: 16411.4/63



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.268+/-0.425 χ^2/NDF:292.5/14

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.491+/-0.428 χ^2/NDF:451.3/14

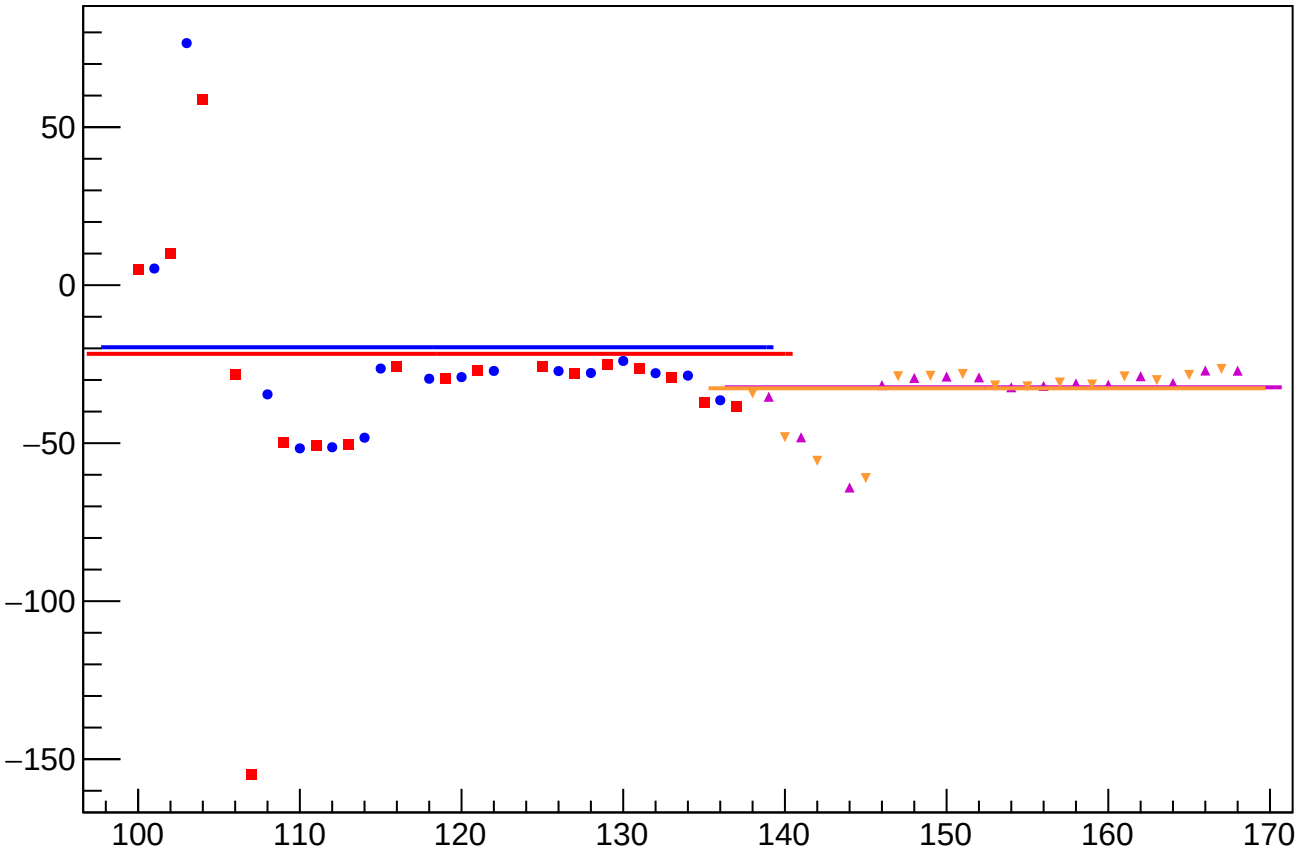
Left: 3.379+/-0.302 χ^2/NDF: 744.0/29

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.109+/-0.349 χ^2/NDF:1597.5/30

Out: -2.676+/-0.352 χ^2/NDF:1314.1/32

All: -2.390+/-0.248 χ^2/NDF: 2912.8/63



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -32.636+/-0.020 χ^2/NDF:169477.3/14

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -32.321+/-0.019 χ^2/NDF:139115.6/14

Left: -32.475+/-0.014 χ^2/NDF: 308724.1/29

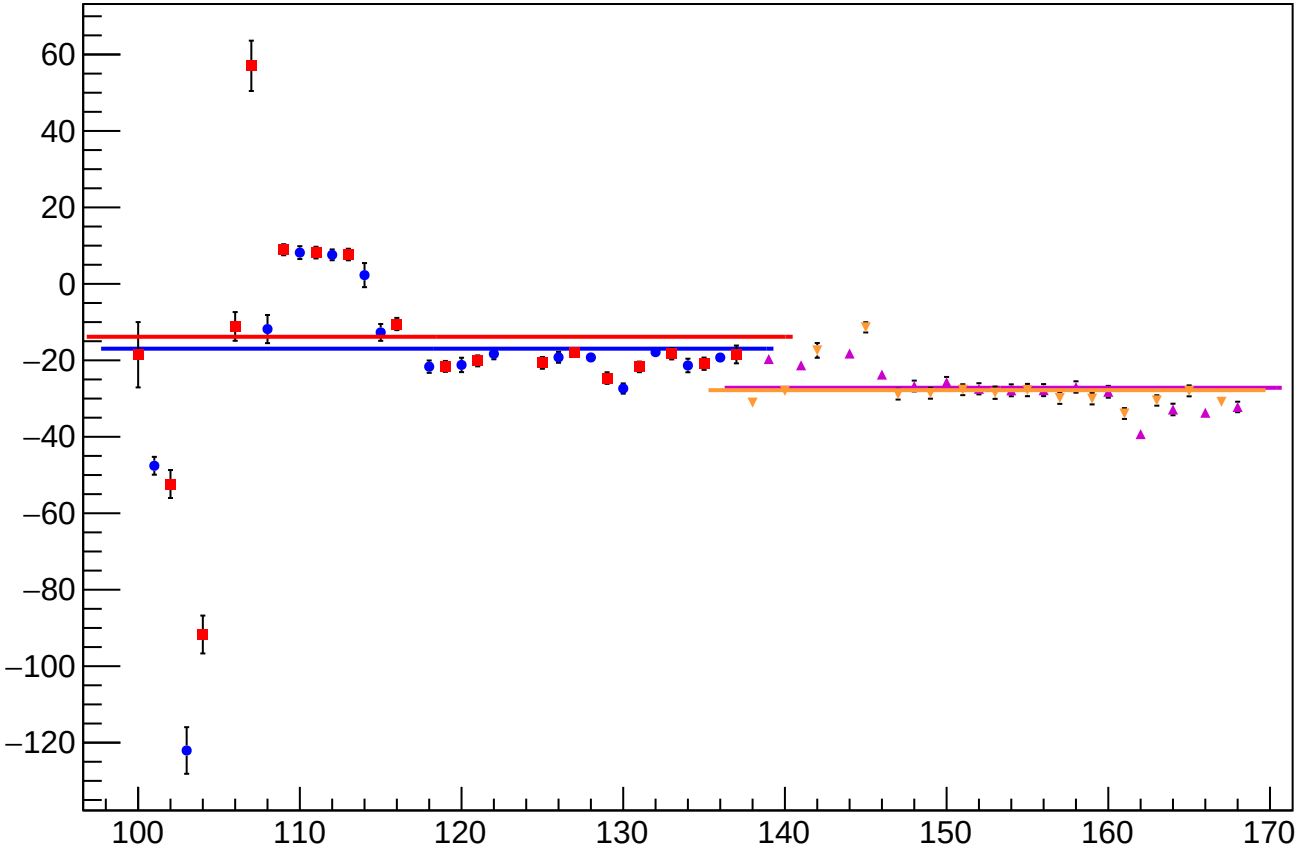
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.507+/-0.017 χ^2/NDF:881922.8/30

Out: -30.412+/-0.018 χ^2/NDF:778750.0/32

All: -29.945+/-0.012 χ^2/NDF: 1662041.7/63

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: -27.804+/-0.362 χ^2/NDF:221.9/14

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.174+/-0.356 χ^2/NDF:264.2/14

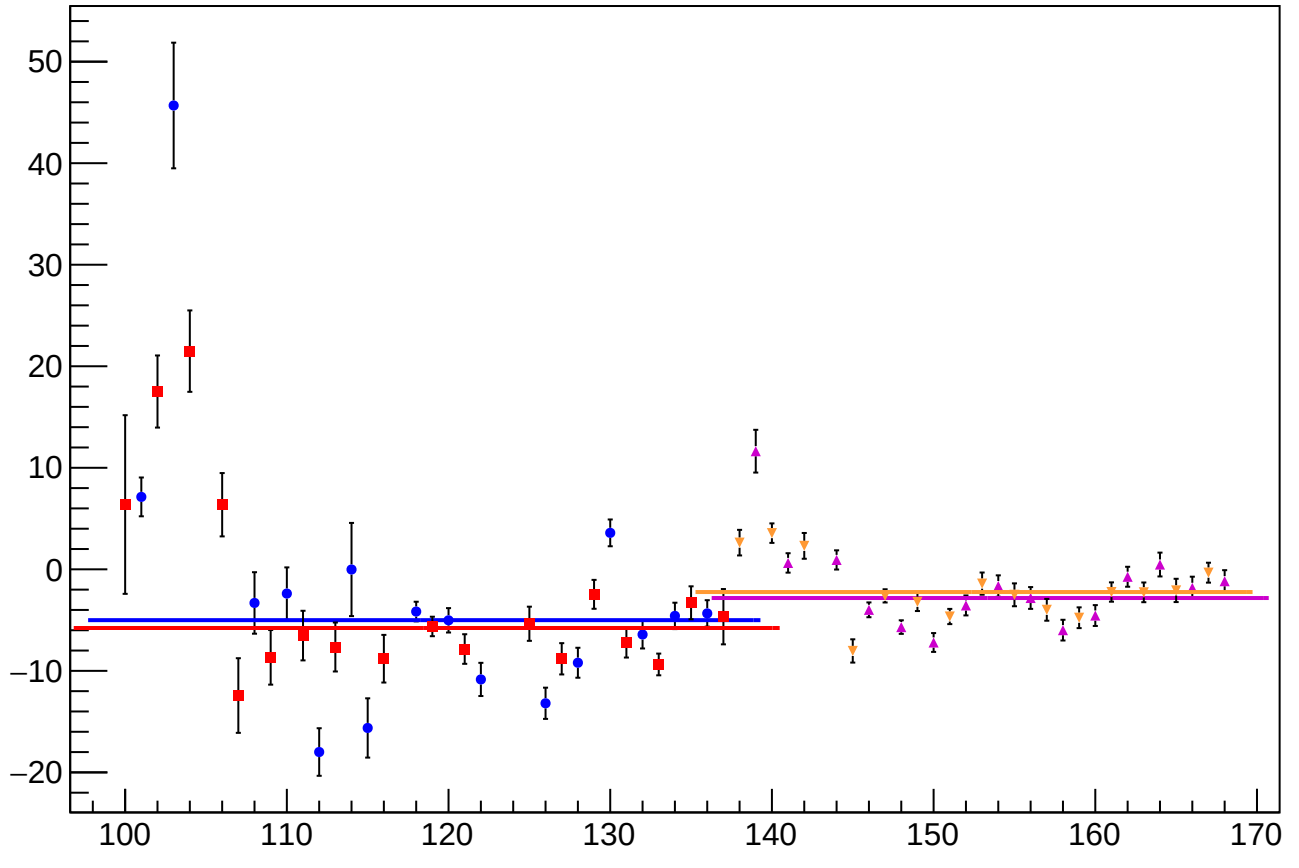
Left: -27.483+/-0.254 χ^2/NDF: 487.6/29

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

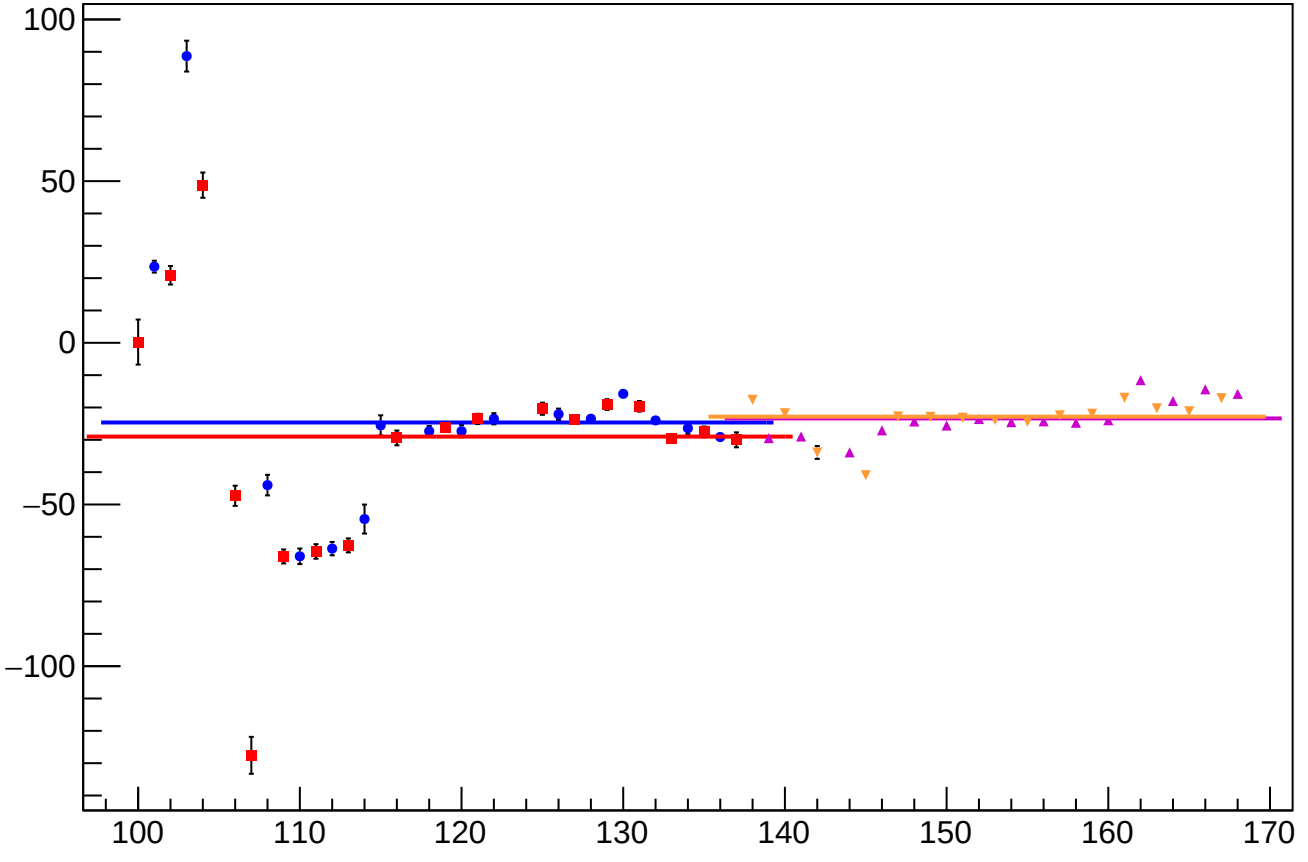
In: -22.709+/-0.267 χ^2/NDF:1753.5/30

Out: -21.663+/-0.271 χ^2/NDF:2207.8/32

All: -22.194+/-0.190 χ^2/NDF: 3968.9/63


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -2.236+/-0.251 χ²/NDF:114.9/14
Right Out: -5.779+/-0.419 χ²/NDF: 139.3/17
Left In: -2.826+/-0.251 χ²/NDF:149.0/14
Left: -2.531+/-0.177 χ²/NDF: 266.7/29
Right: -5.375+/-0.290 χ²/NDF: 388.9/33
In: -3.439+/-0.213 χ²/NDF:417.9/30
Out: -3.171+/-0.215 χ²/NDF:306.8/32
All: -3.307+/-0.151 χ²/NDF: 725.5/63

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.838+/-0.353 χ^2/NDF:272.5/14

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -23.387+/-0.346 χ^2/NDF:305.0/14

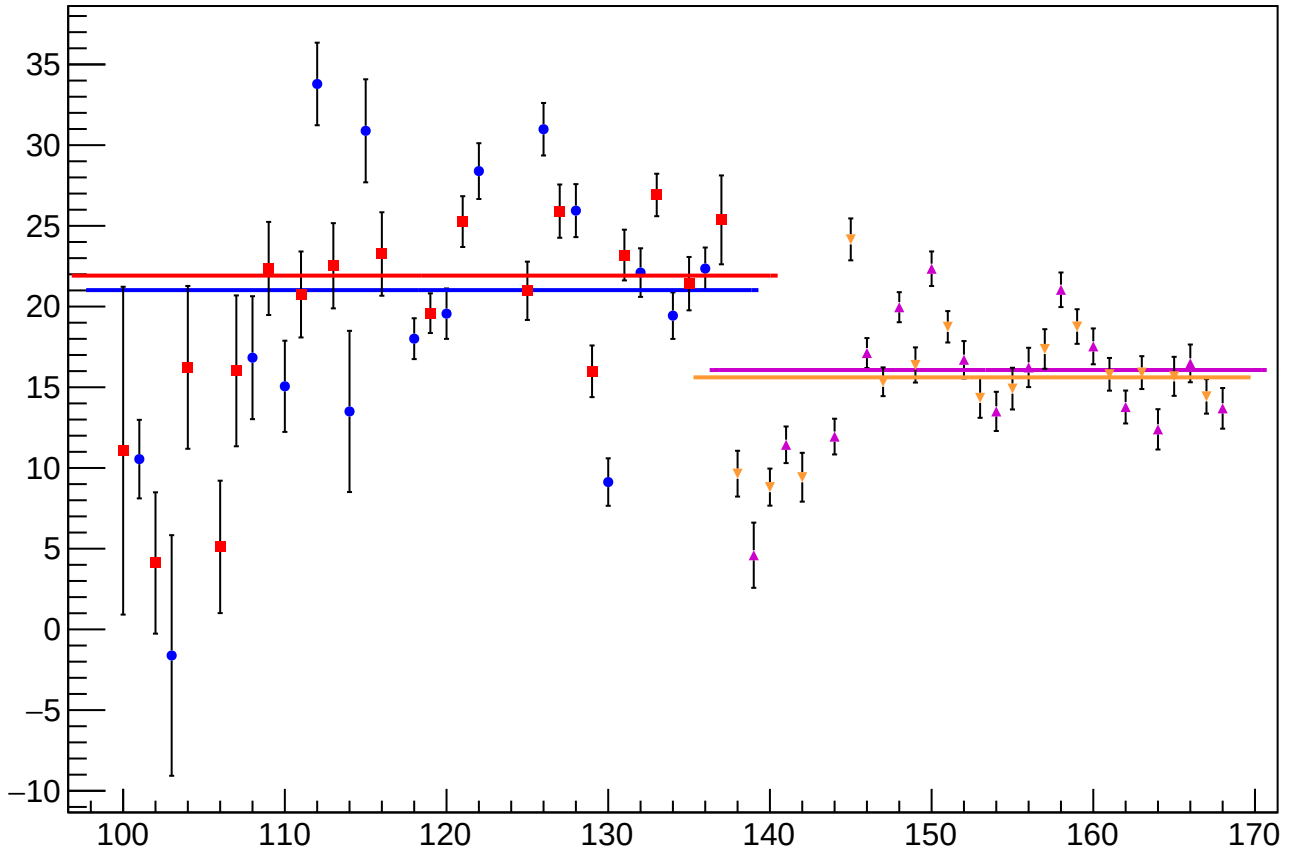
Left: -23.118+/-0.247 χ^2/NDF: 578.8/29

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.847+/-0.275 χ^2/NDF:2361.7/30

Out: -25.032+/-0.283 χ^2/NDF:2333.1/32

All: -24.422+/-0.198 χ^2/NDF: 4703.8/63



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.614+/-0.292 χ^2/NDF:137.1/14

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.069+/-0.291 χ^2/NDF:161.4/14

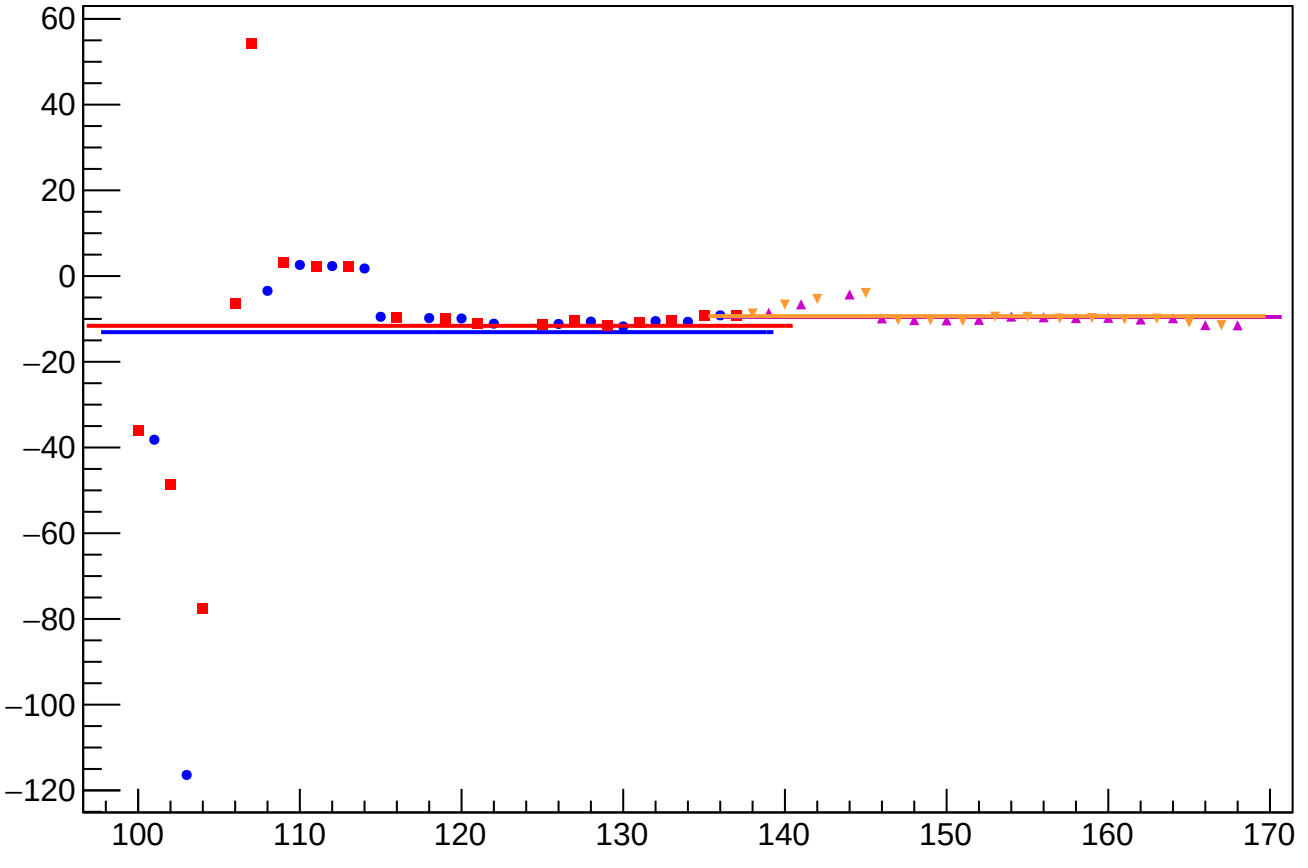
Left: 15.842+/-0.206 χ^2/NDF: 299.7/29

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.495+/-0.246 χ^2/NDF:454.0/30

Out: 17.324+/-0.249 χ^2/NDF:346.2/32

All: 17.411+/-0.175 χ^2/NDF: 800.5/63



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.345+/-0.013 χ^2/NDF:19943.1/14

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.544+/-0.013 χ^2/NDF:15267.7/14

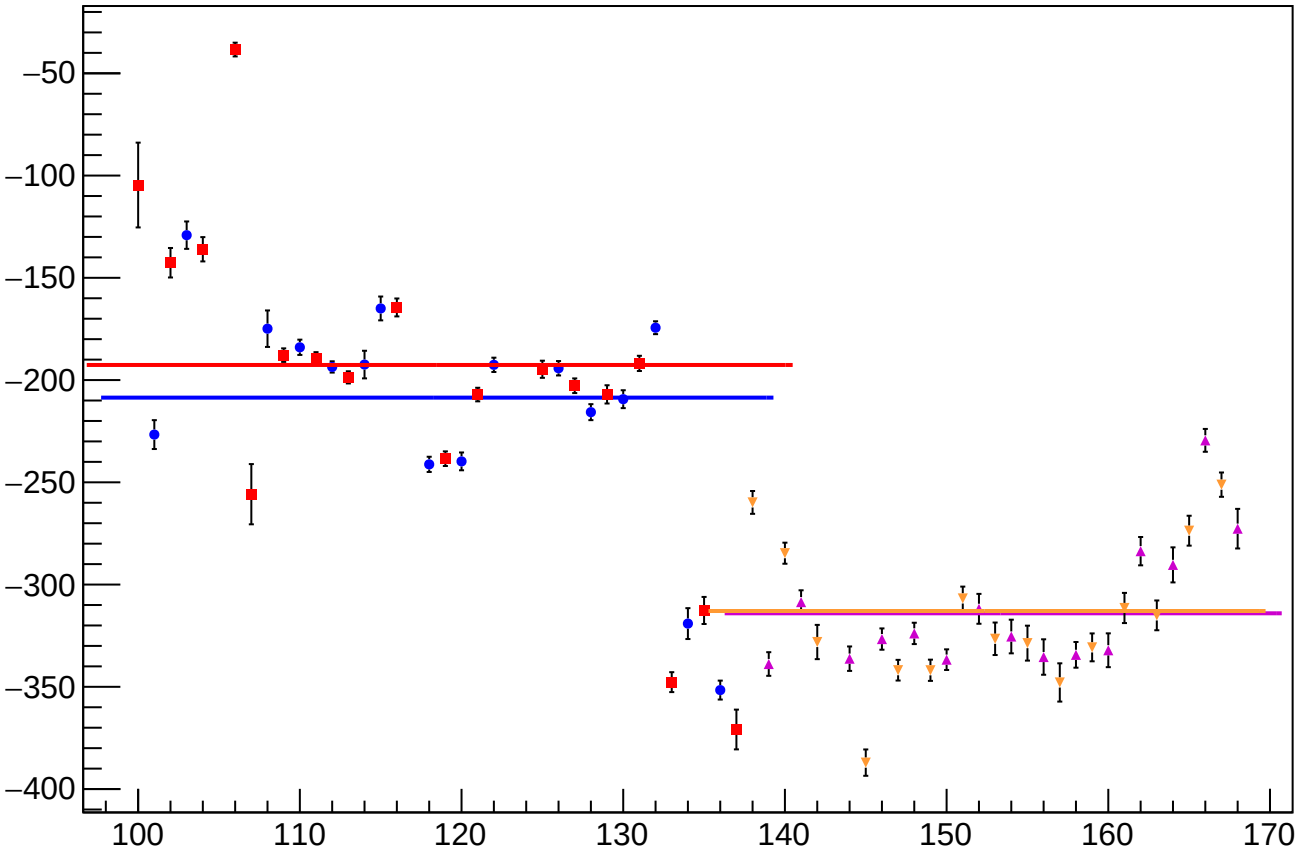
Left: -9.447+/-0.009 χ^2/NDF: 35325.4/29

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.155+/-0.012 χ^2/NDF:373072.4/30

Out: -9.699+/-0.012 χ^2/NDF:338662.6/32

All: -9.935+/-0.008 χ^2/NDF: 712455.7/63



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -312.927+/-1.664 χ^2/NDF:485.4/14

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -314.053+/-1.656 χ^2/NDF:360.2/14

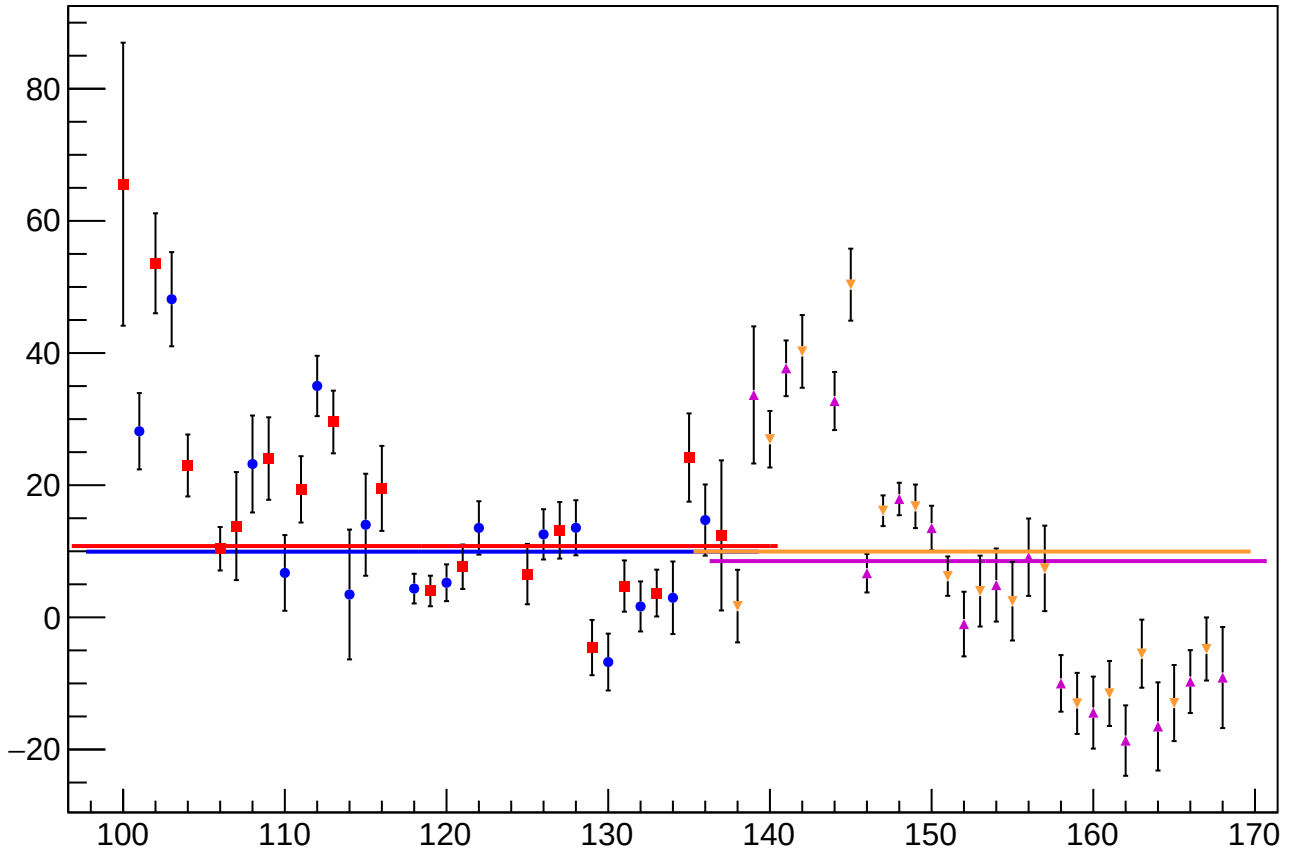
Left: -313.493+/-1.174 χ^2/NDF: 845.9/29

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.515+/-0.897 χ^2/NDF:4979.2/30

Out: -224.472+/-0.856 χ^2/NDF:8533.8/32

All: -231.649+/-0.619 χ^2/NDF: 13660.2/63



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.962+/-1.097 χ^2/NDF:197.4/14

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.510+/-1.119 χ^2/NDF:201.9/14

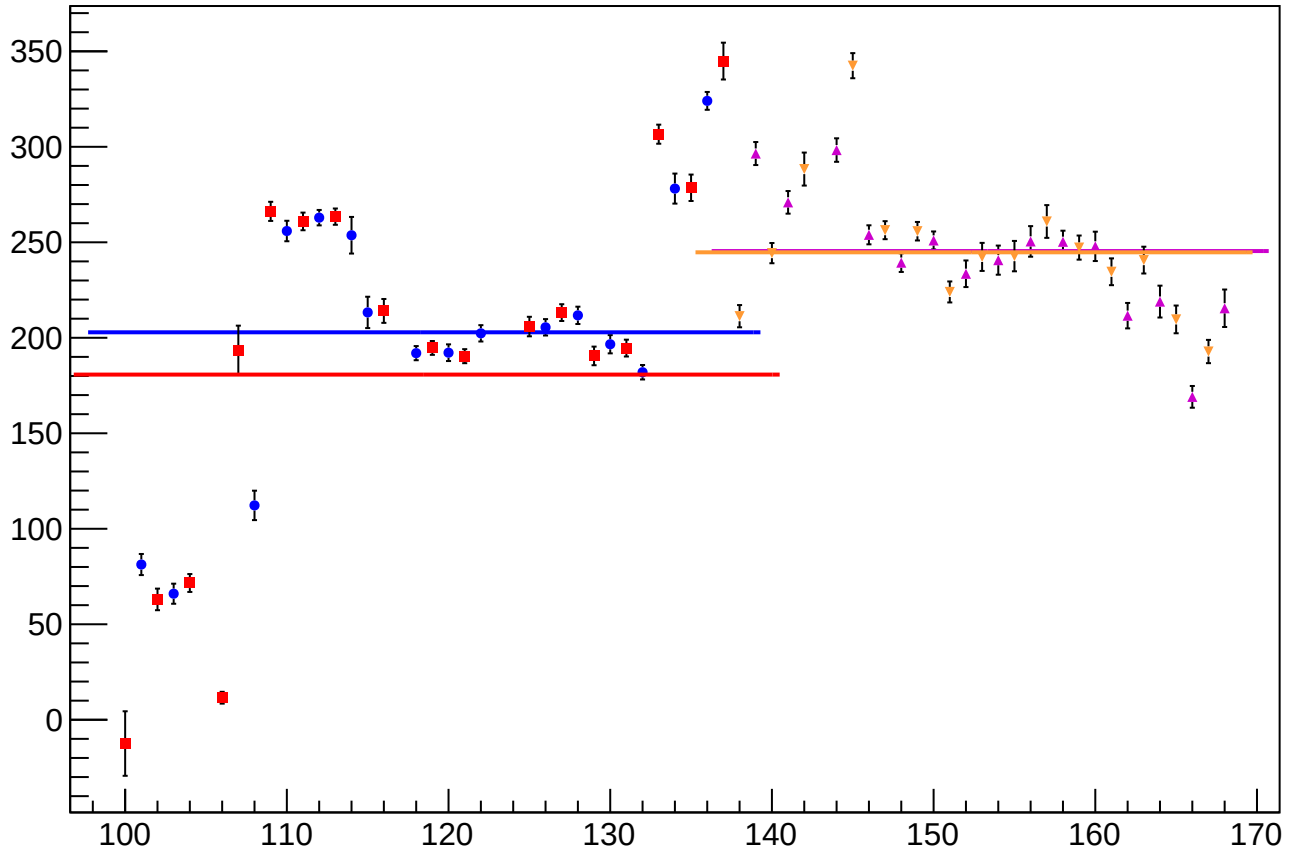
Left: 9.250+/-0.783 χ^2/NDF: 400.1/29

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.259+/-0.771 χ^2/NDF:309.3/30

Out: 10.396+/-0.756 χ^2/NDF:302.8/32

All: 9.839+/-0.540 χ^2/NDF: 613.2/63



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 244.758+/-1.618 χ^2/NDF:407.2/14

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 245.417+/-1.605 χ^2/NDF:399.3/14

Left: 245.090+/-1.140 χ^2/NDF: 806.6/29

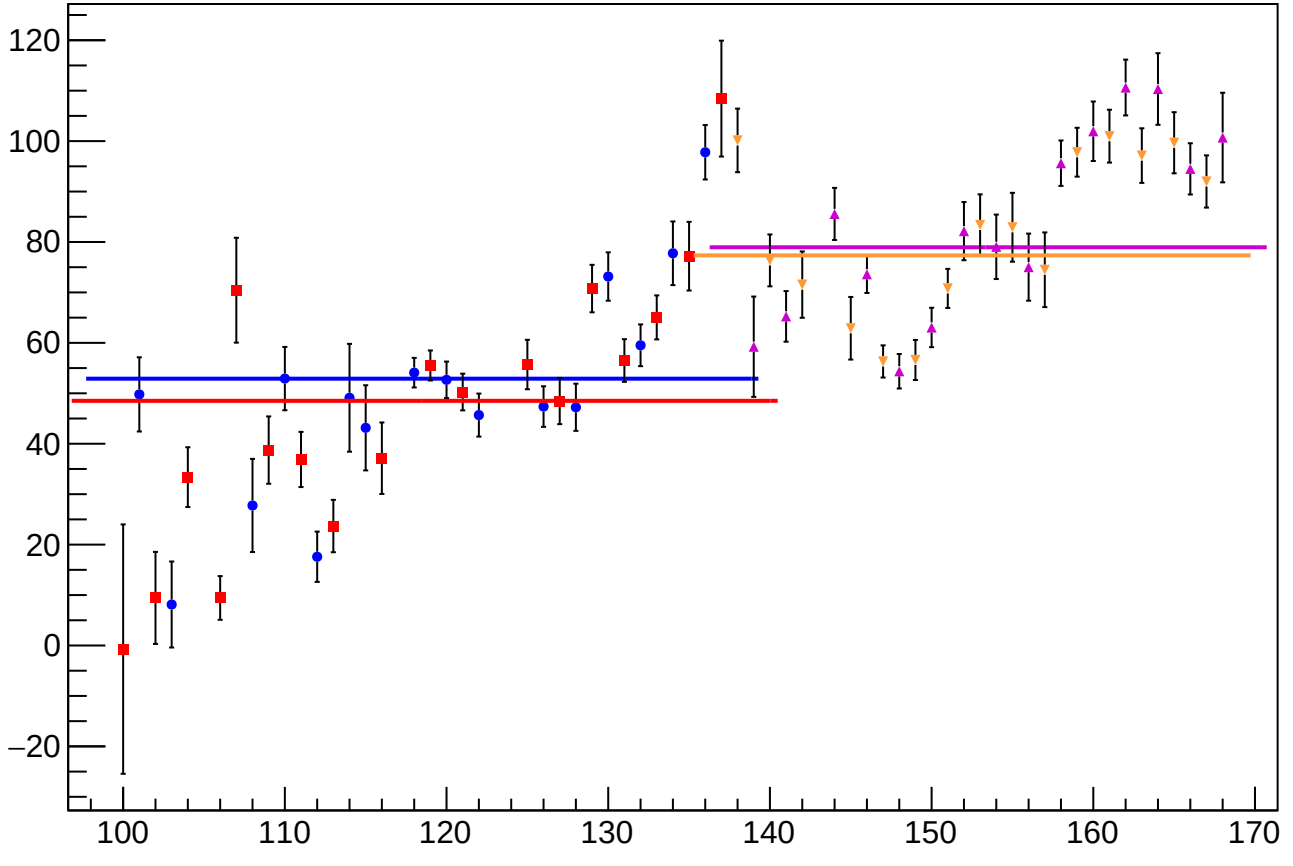
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.539+/-0.974 χ^2/NDF:3307.2/30

Out: 202.054+/-0.934 χ^2/NDF:7799.0/32

All: 209.950+/-0.674 χ^2/NDF: 11255.4/63

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.346+/-1.307 χ^2/NDF:167.9/14

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.951+/-1.324 χ^2/NDF:180.6/14

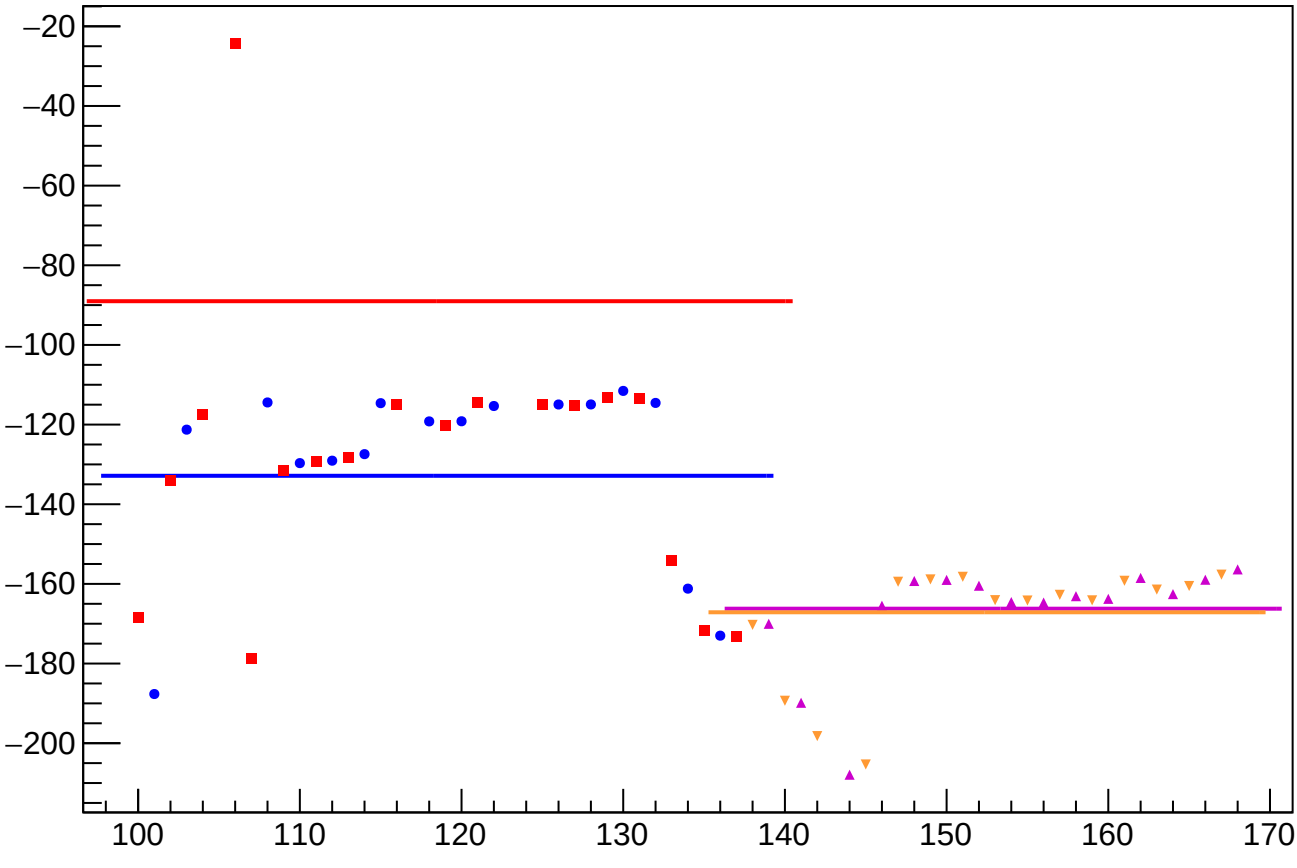
Left: 78.138+/-0.930 χ^2/NDF: 349.2/29

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.087+/-0.906 χ^2/NDF:584.9/30

Out: 61.865+/-0.890 χ^2/NDF:669.0/32

All: 63.447+/-0.635 χ^2/NDF: 1260.4/63



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.127+/-0.063 χ^2/NDF:47487.0/14

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -166.227+/-0.061 χ^2/NDF:39185.1/14

Left: -166.670+/-0.044 χ^2/NDF: 86777.4/29

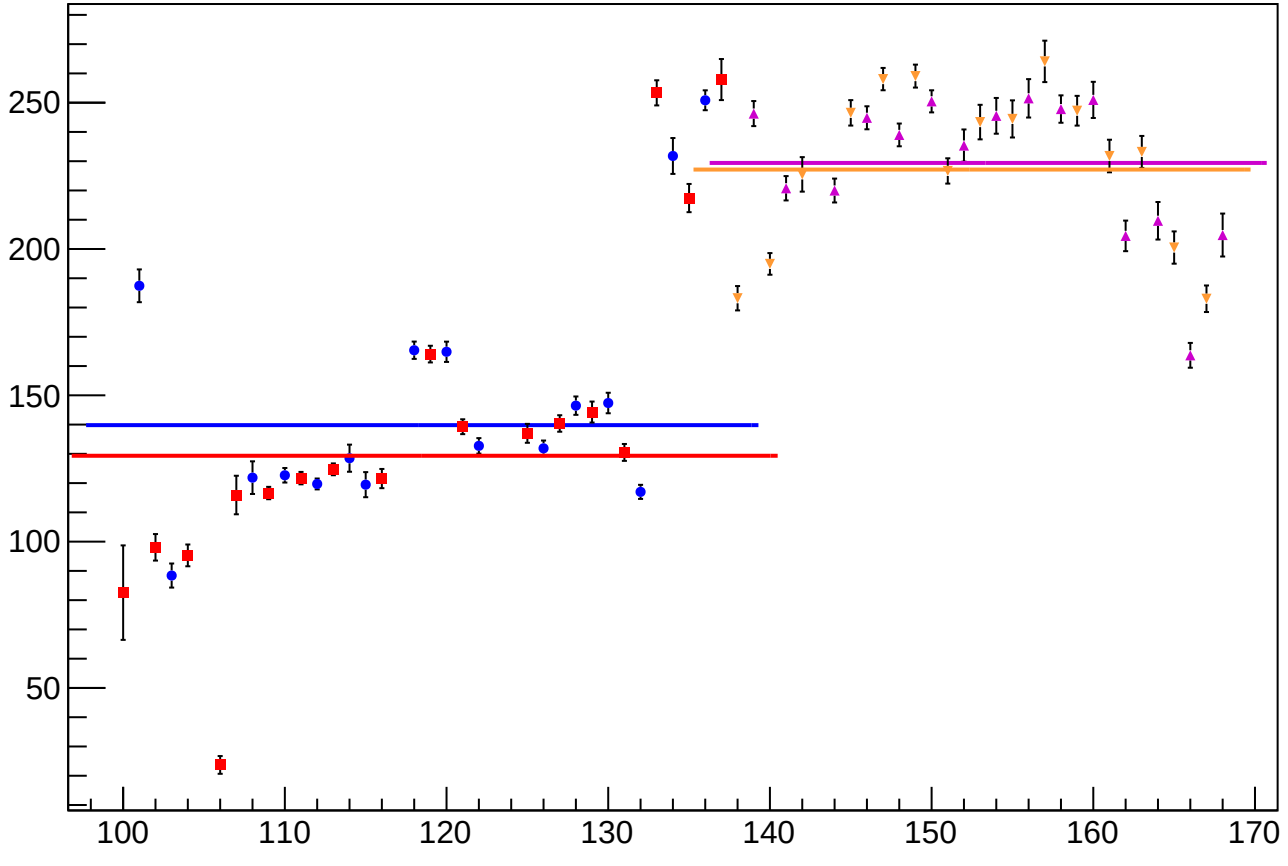
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -154.094+/-0.049 χ^2/NDF:239771.1/30

Out: -129.081+/-0.045 χ^2/NDF:1535537.0/32

All: -140.452+/-0.033 χ^2/NDF: 1917112.6/63

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.146+/-1.232 χ^2/NDF:517.3/14

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 229.409+/-1.228 χ^2/NDF:408.7/14

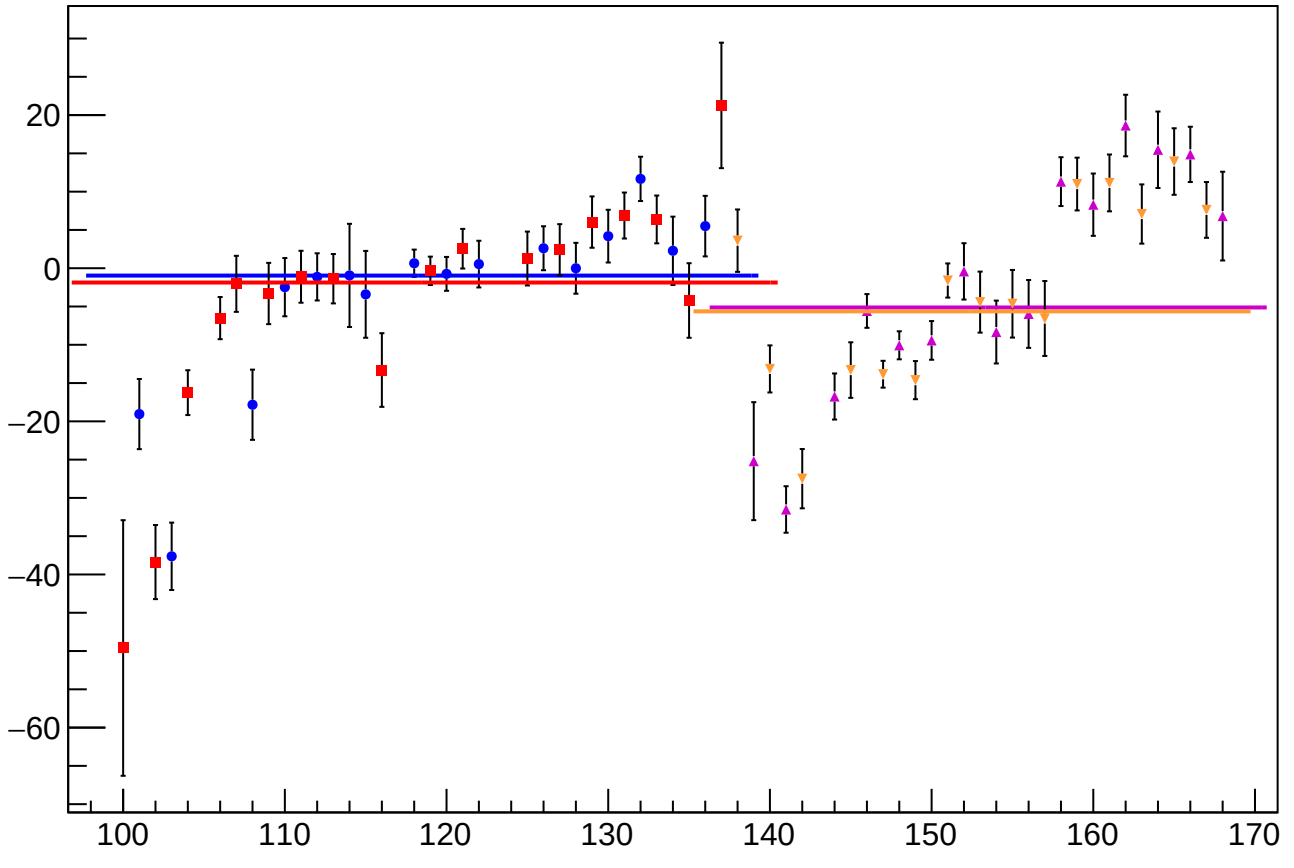
Left: 228.281+/-0.870 χ^2/NDF: 927.7/29

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.794+/-0.661 χ^2/NDF:6155.8/30

Out: 154.984+/-0.631 χ^2/NDF:8292.1/32

All: 160.135+/-0.456 χ^2/NDF: 14587.8/63



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.635+/-0.815 χ^2/NDF:173.9/14

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -5.126+/-0.831 χ^2/NDF:233.9/14

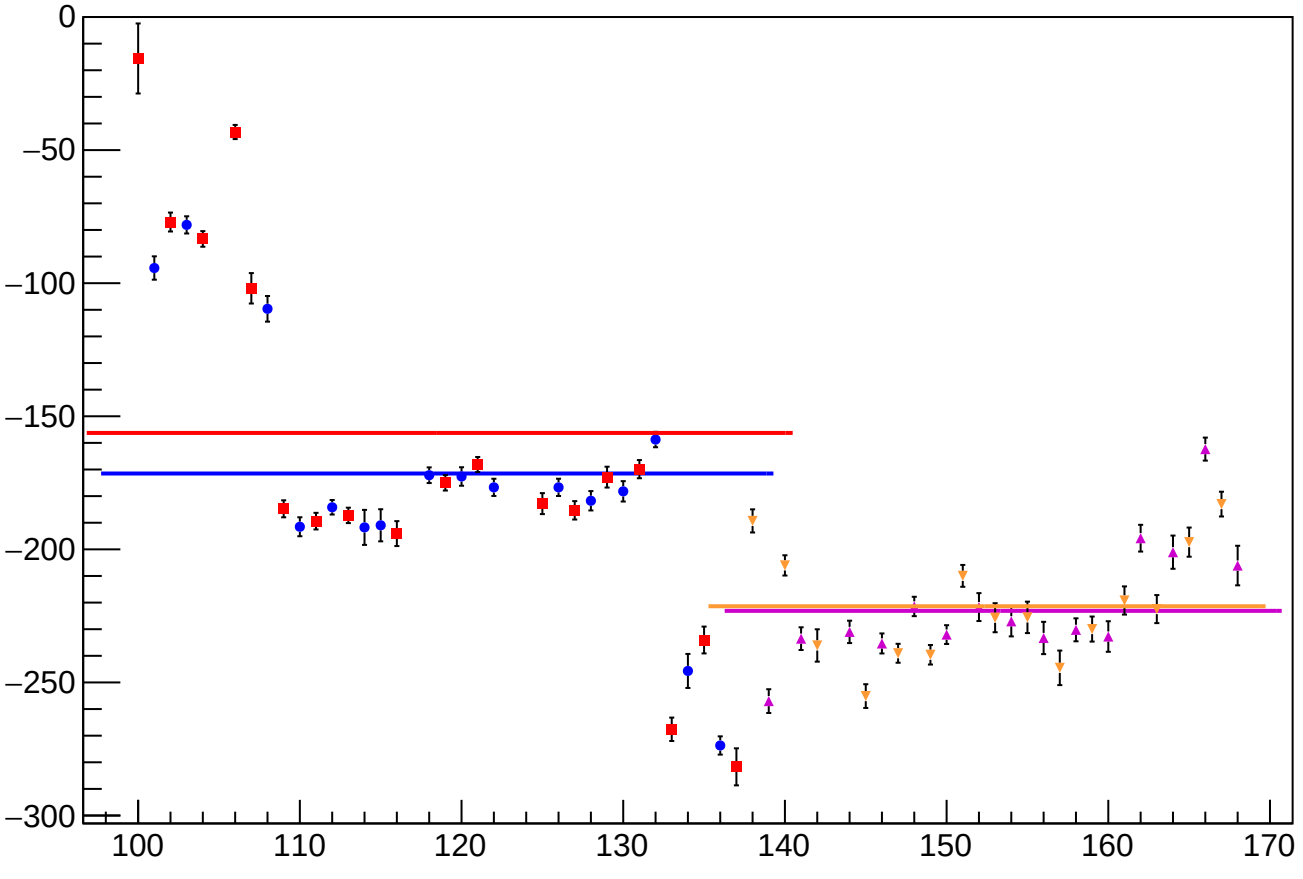
Left: -5.386+/-0.582 χ^2/NDF: 408.0/29

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.987+/-0.579 χ^2/NDF:372.9/30

Out: -3.677+/-0.565 χ^2/NDF:318.1/32

All: -3.341+/-0.405 χ^2/NDF: 691.8/63



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -221.378+/-1.200 χ^2/NDF:295.9/14

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -223.105+/-1.192 χ^2/NDF:338.2/14

Left: -222.247+/-0.845 χ^2/NDF: 635.1/29

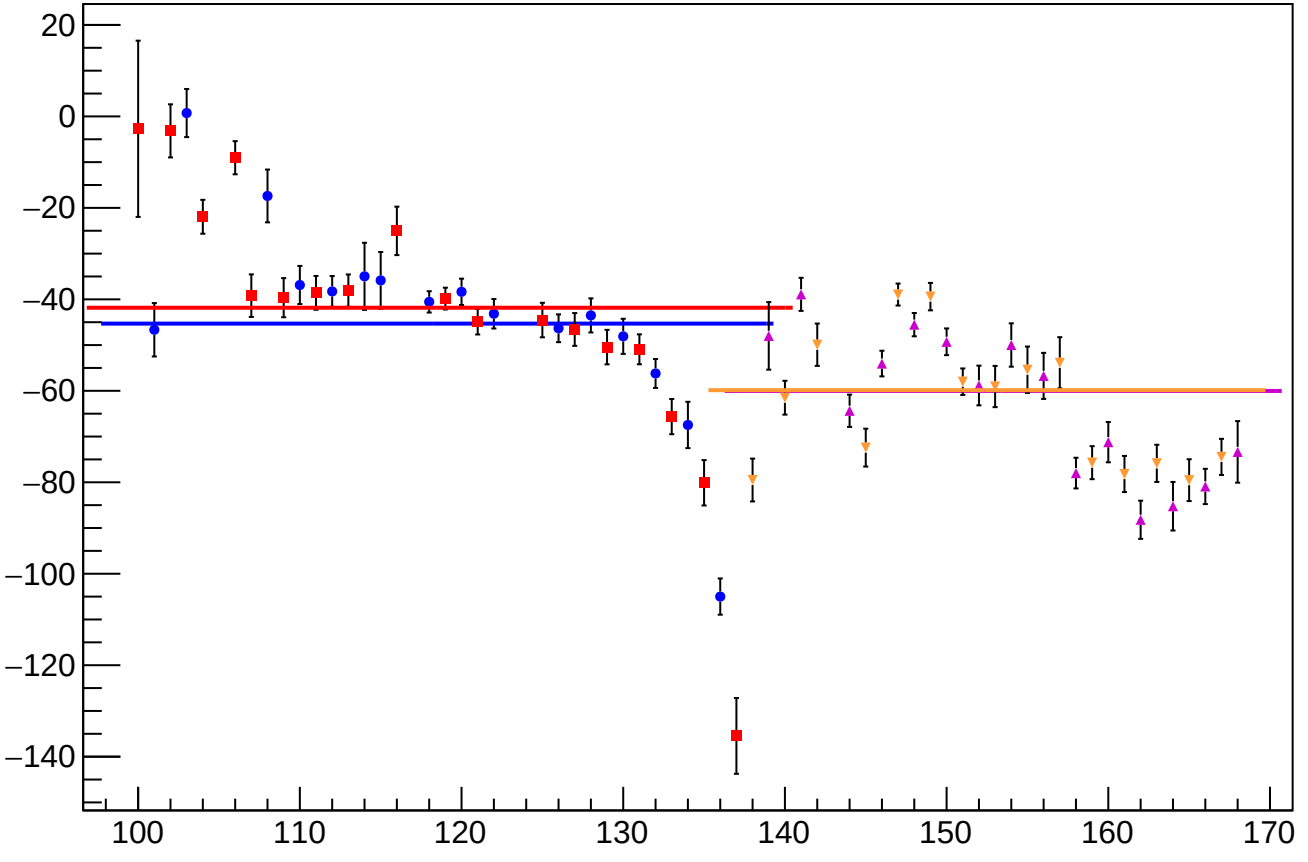
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.427+/-0.722 χ^2/NDF:3968.2/30

Out: -177.931+/-0.692 χ^2/NDF:7165.8/32

All: -183.918+/-0.500 χ^2/NDF: 11290.2/63

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.862+/-0.971 χ^2/NDF:244.5/14

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -60.036+/-0.984 χ^2/NDF:230.2/14

Left: -59.948+/-0.691 χ^2/NDF: 474.8/29

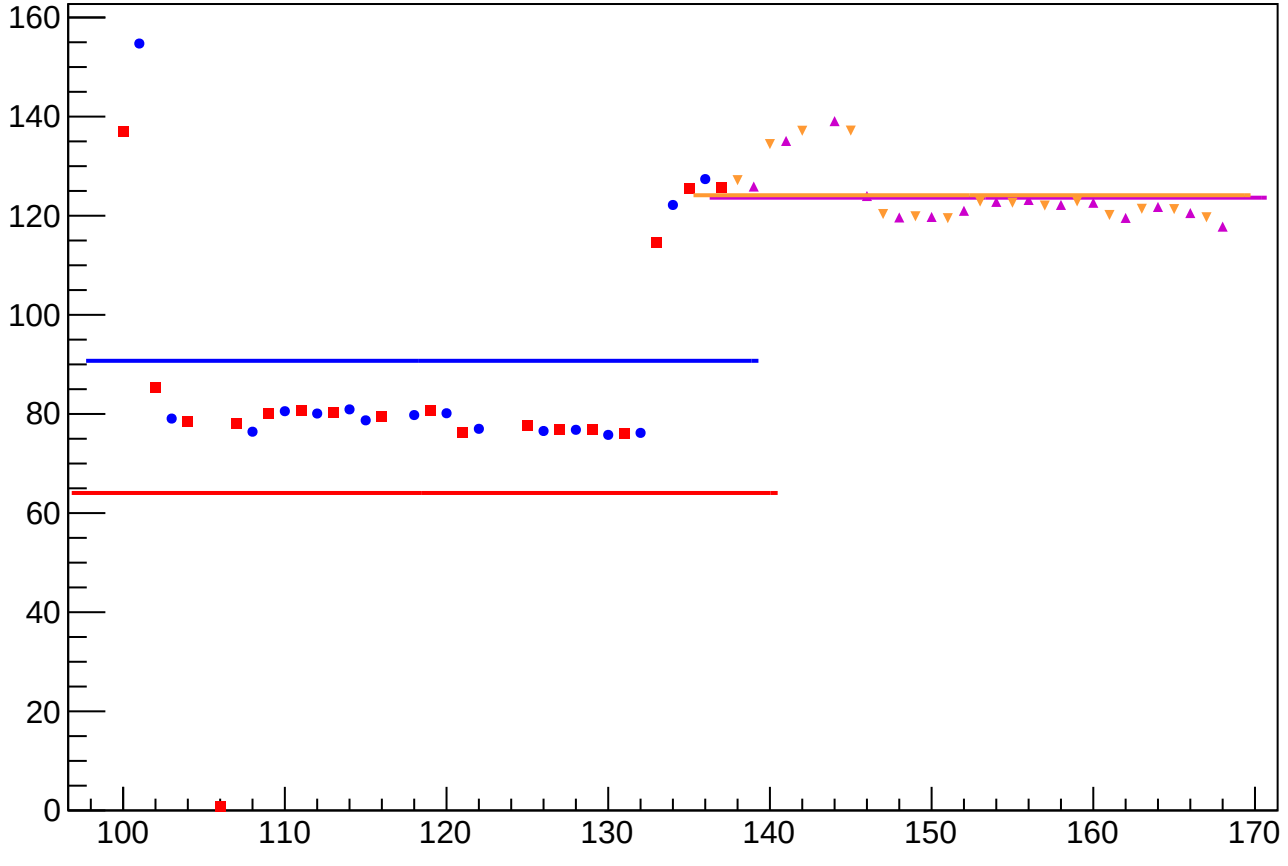
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.316+/-0.679 χ^2/NDF:729.8/30

Out: -50.254+/-0.664 χ^2/NDF:842.4/32

All: -51.262+/-0.475 χ^2/NDF: 1576.9/63

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: 124.133+/-0.046 χ^2/NDF:16096.2/14

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 123.639+/-0.046 χ^2/NDF:14431.2/14

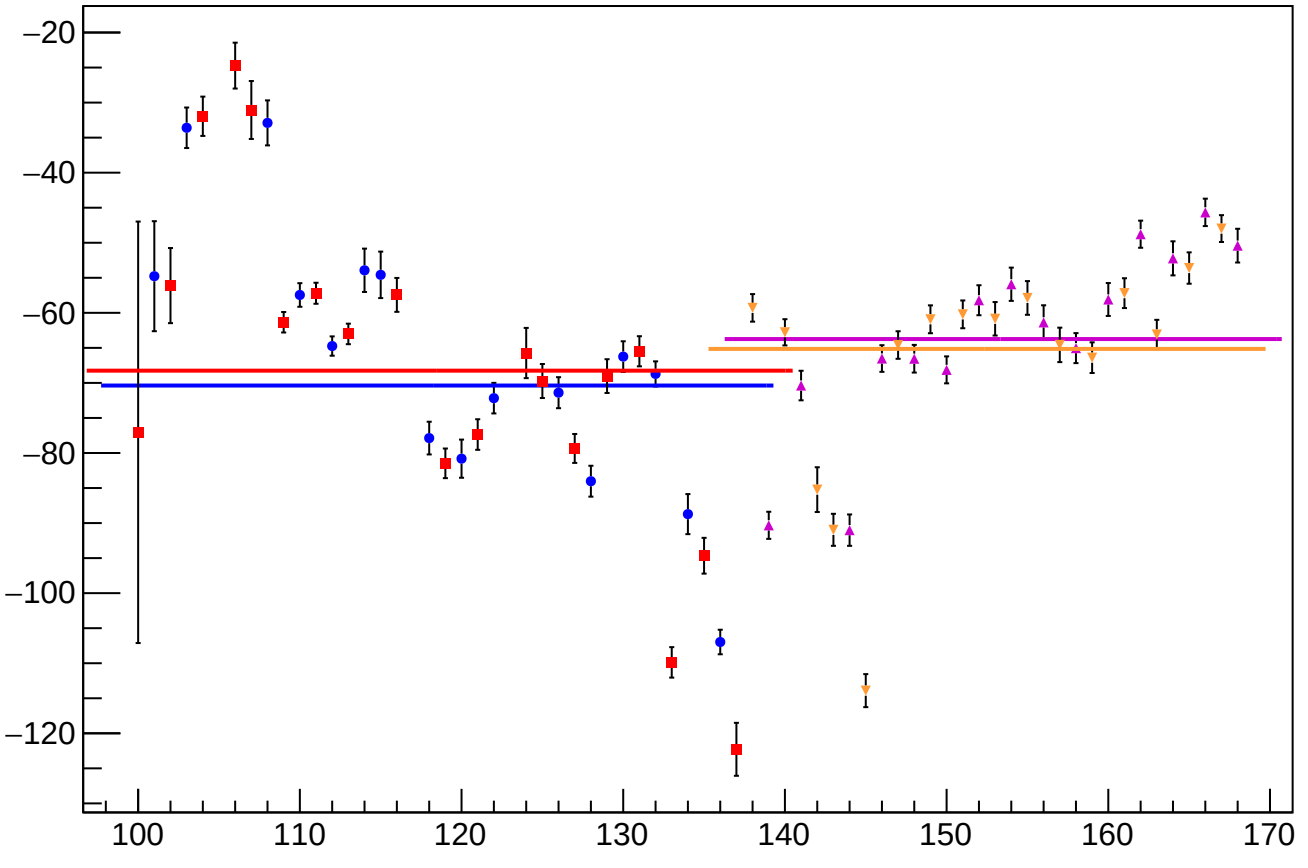
Left: 123.883+/-0.033 χ^2/NDF: 30584.8/29

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.148+/-0.036 χ^2/NDF:372103.3/30

Out: 95.890+/-0.034 χ^2/NDF:1463921.6/32

All: 103.032+/-0.025 χ^2/NDF: 1931414.4/63



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -65.147+/-0.540 χ^2/NDF:751.6/15

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -63.741+/-0.548 χ^2/NDF:579.3/14

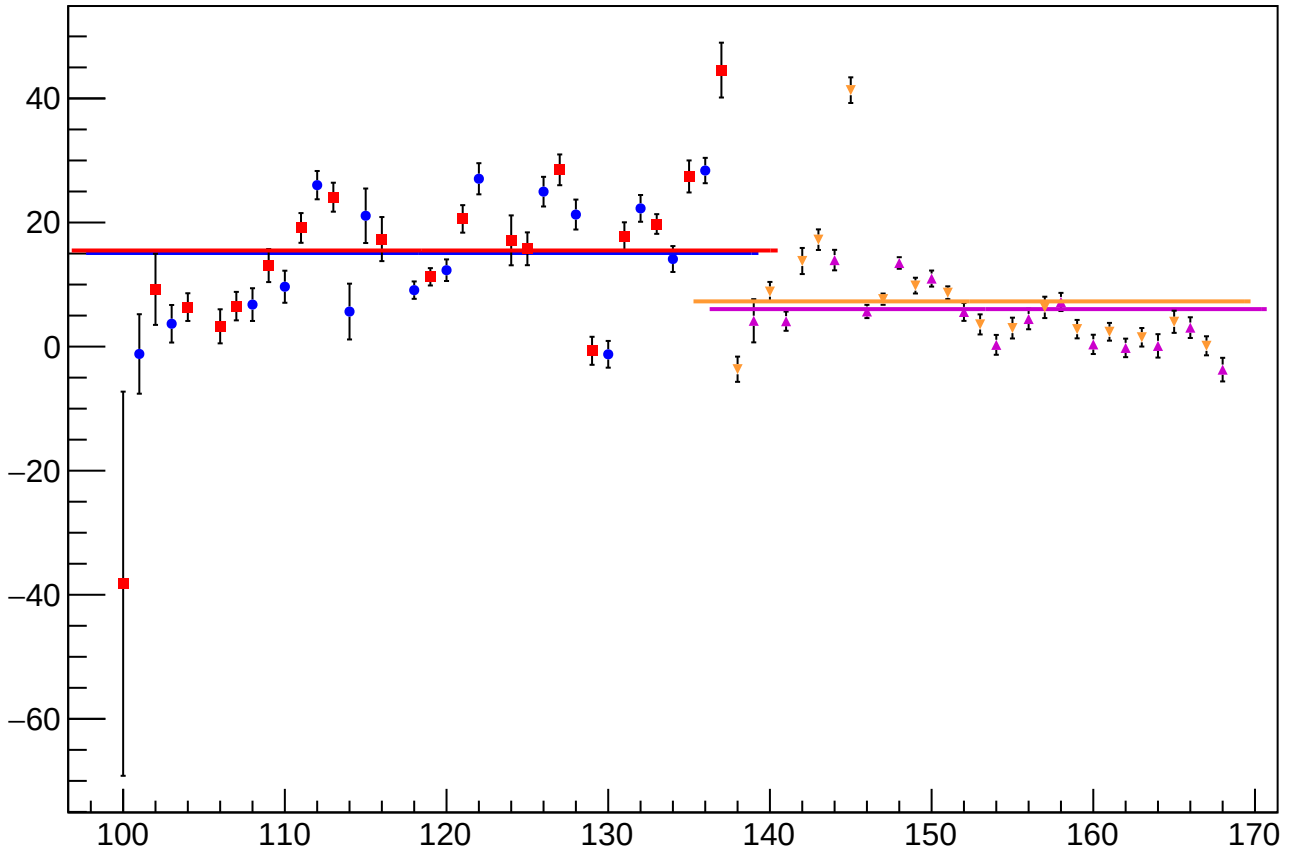
Left: -64.454+/-0.385 χ^2/NDF: 1334.3/30

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -67.000+/-0.391 χ^2/NDF:1626.2/30

Out: -66.739+/-0.377 χ^2/NDF:2074.5/34

All: -66.865+/-0.271 χ^2/NDF: 3700.9/65



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.289+/-0.366 χ^2/NDF:425.3/15

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.042+/-0.379 χ^2/NDF:187.7/14

Left: 6.686+/-0.263 χ^2/NDF: 618.6/30

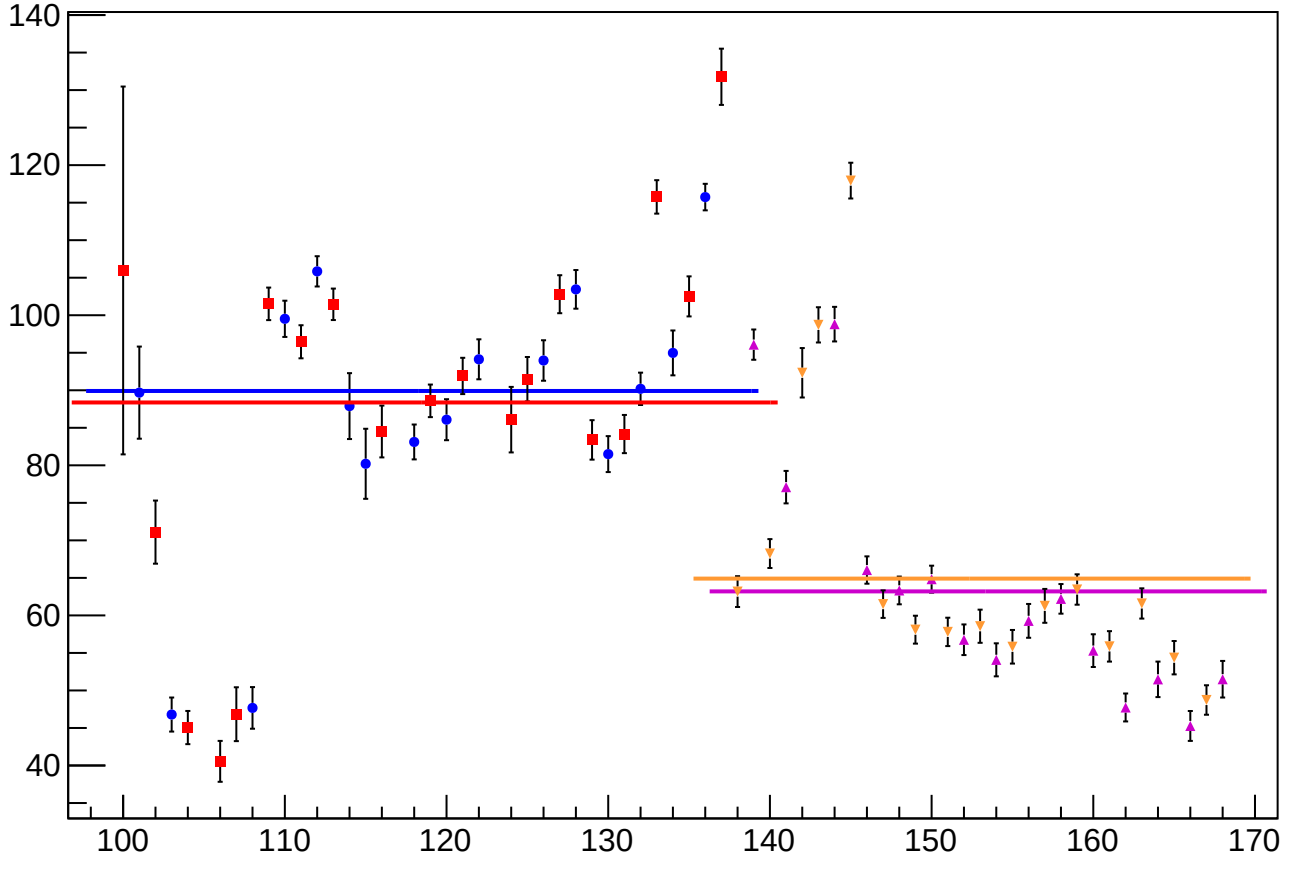
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.741+/-0.317 χ^2/NDF:600.5/30

Out: 9.757+/-0.306 χ^2/NDF:815.5/34

All: 9.267+/-0.220 χ^2/NDF: 1421.3/65

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: 64.905+/-0.526 χ^2/NDF:947.0/15

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.200+/-0.531 χ^2/NDF:790.2/14

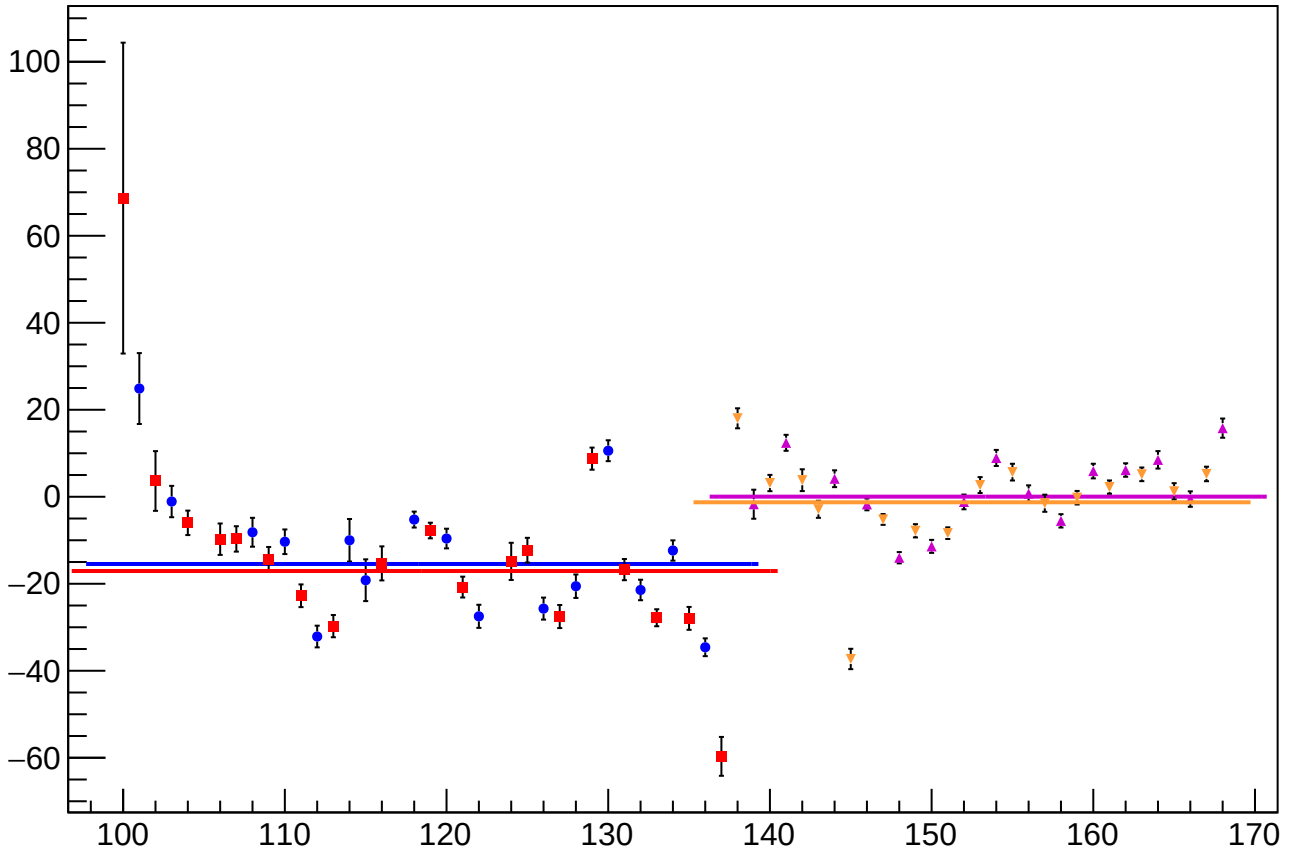
Left: 64.061+/-0.374 χ^2/NDF: 1742.3/30

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 74.071+/-0.409 χ^2/NDF:2768.2/30

Out: 74.769+/-0.400 χ^2/NDF:3073.5/34

All: 74.427+/-0.286 χ^2/NDF: 5843.2/65



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.269+/-0.429 χ^2/NDF:431.2/15

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.028+/-0.442 χ^2/NDF:361.0/14

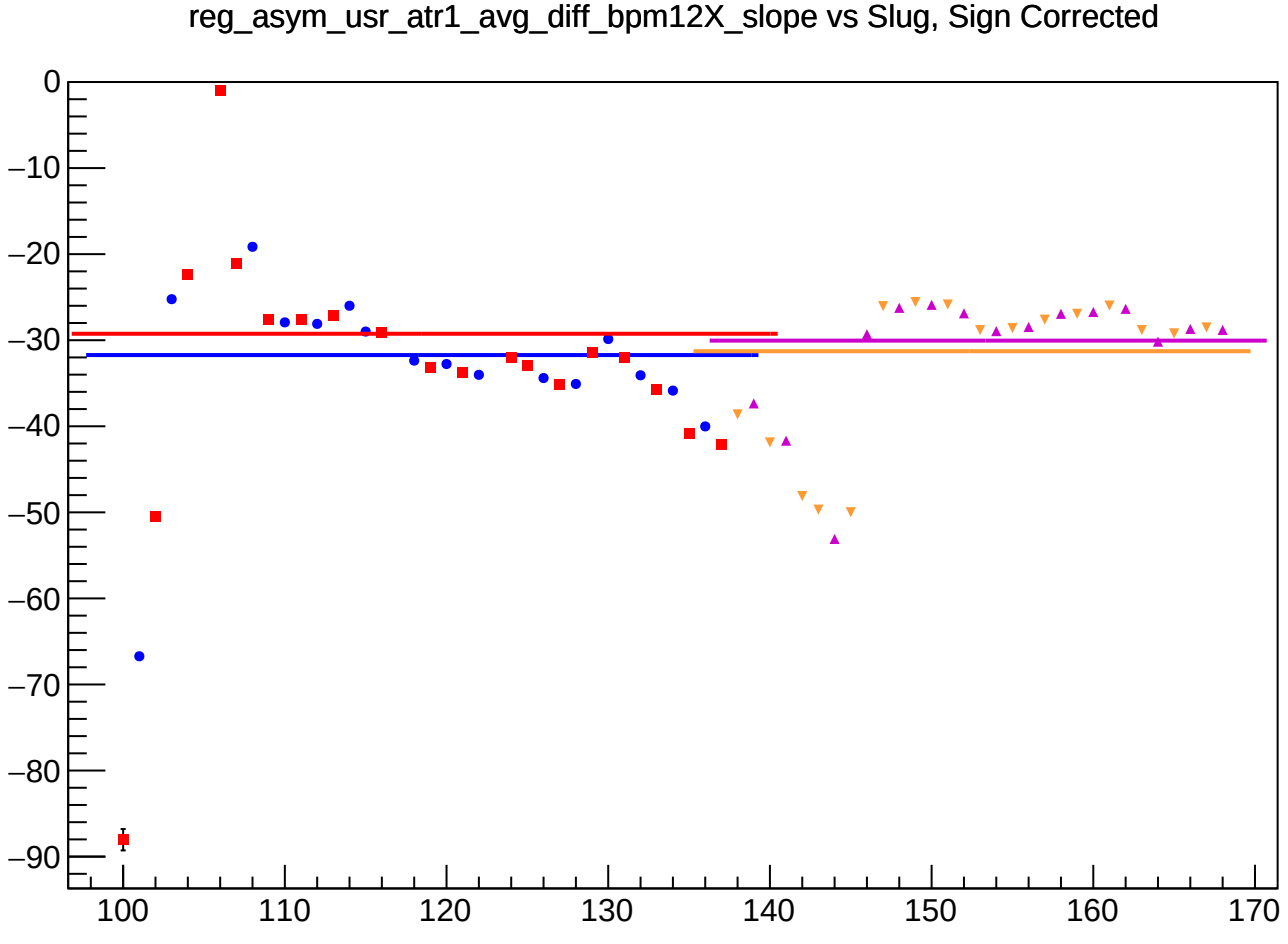
Left: -0.639+/-0.308 χ^2/NDF: 796.6/30

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.709+/-0.368 χ^2/NDF:1123.1/30

Out: -6.130+/-0.357 χ^2/NDF:1209.2/34

All: -5.441+/-0.256 χ^2/NDF: 2340.0/65



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.276+/-0.020 χ^2/NDF:146560.8/15

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.047+/-0.020 χ^2/NDF:93273.1/14

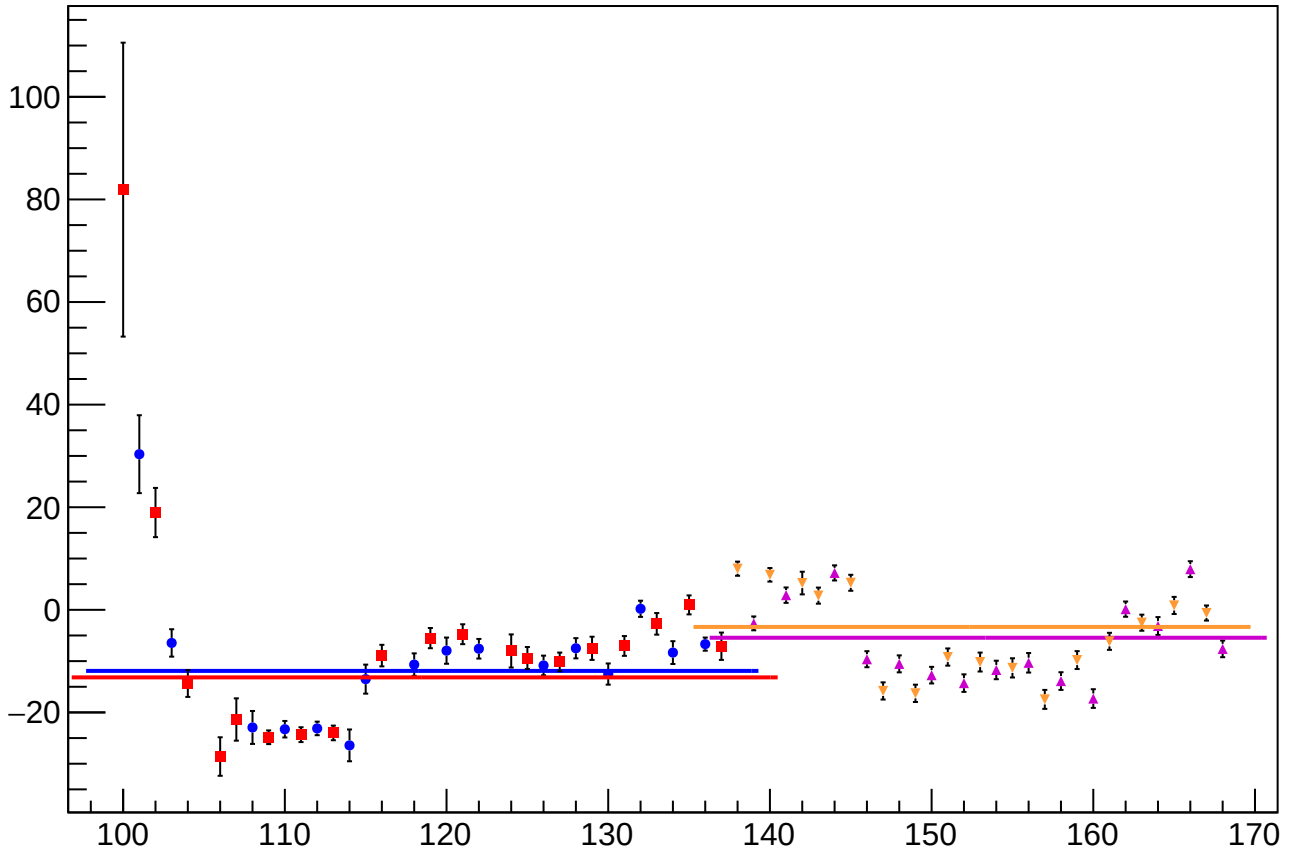
Left: -30.663+/-0.014 χ^2/NDF: 241736.2/30

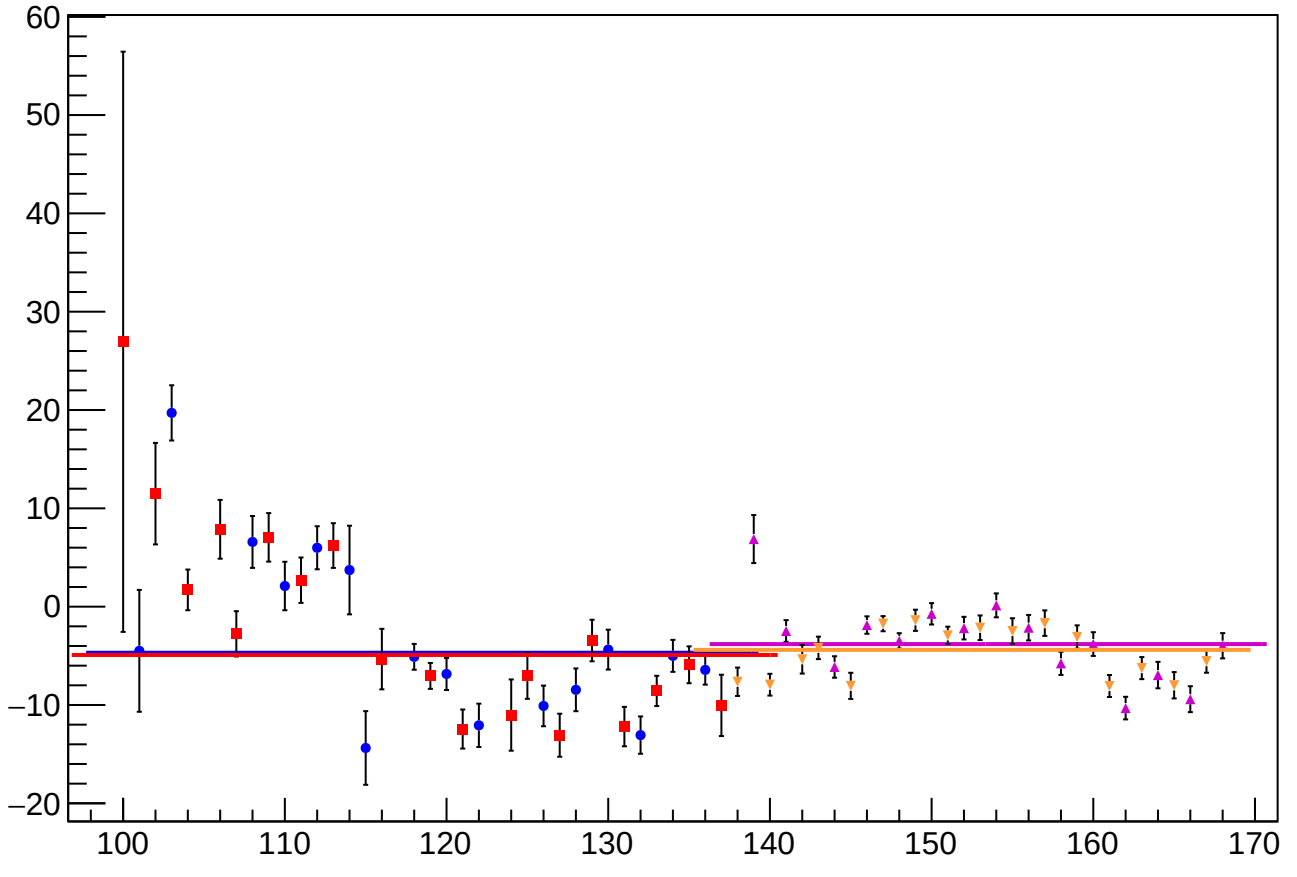
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

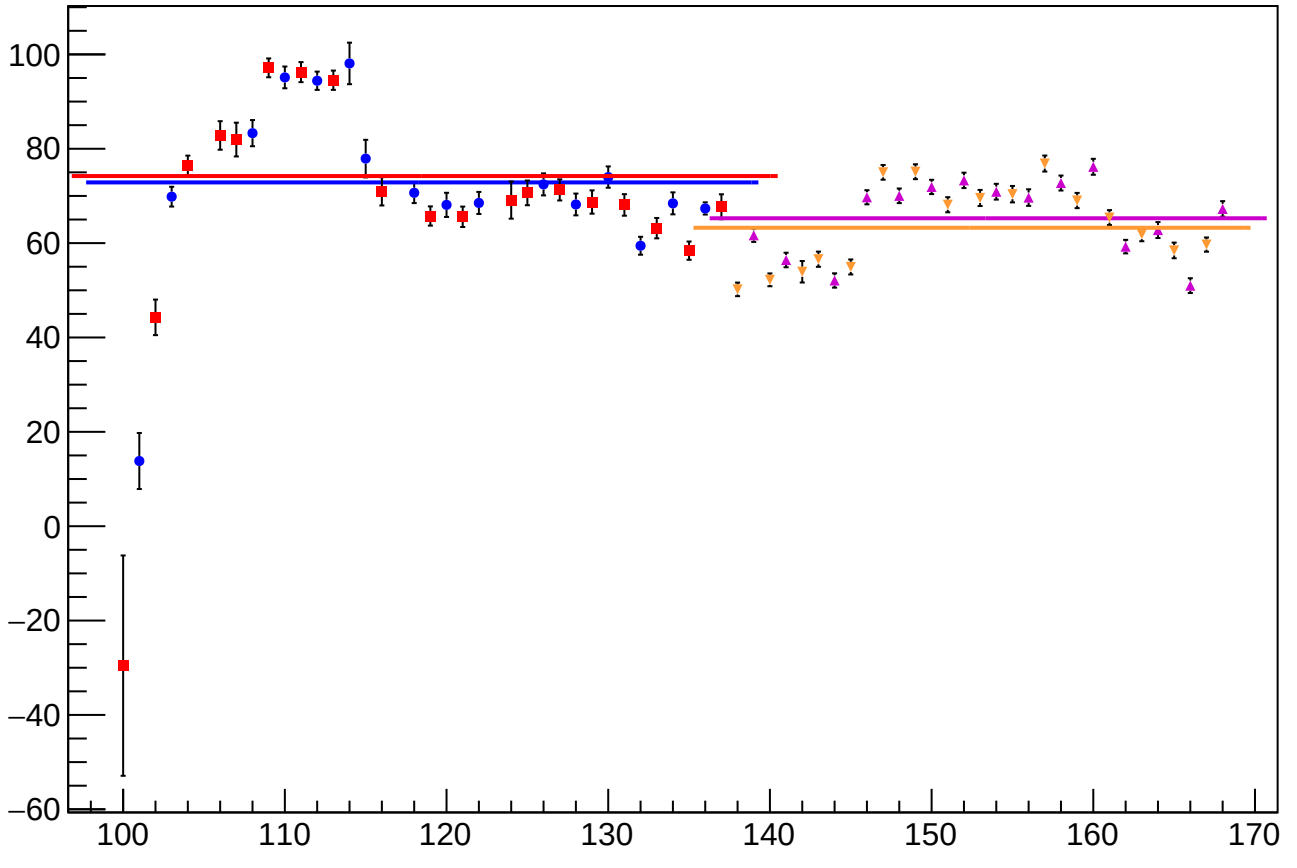
In: -30.402+/-0.018 χ^2/NDF:134405.6/30

Out: -30.847+/-0.018 χ^2/NDF:243988.2/34

All: -30.625+/-0.013 χ^2/NDF: 378711.0/65


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.336+/-0.409 χ²/NDF:430.8/15
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.443+/-0.417 χ²/NDF:349.6/14
Left: -4.370+/-0.292 χ²/NDF: 793.4/30
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.115+/-0.319 χ²/NDF:731.0/30
Out: -7.473+/-0.311 χ²/NDF:1095.3/34
All: -7.786+/-0.223 χ²/NDF: 1828.3/65


reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.686+/-0.517 χ²/NDF: 179.0/15
Left Out: -4.393+/-0.285 χ²/NDF:78.6/15
Right Out: -4.913+/-0.513 χ²/NDF: 155.9/18
Left In: -3.807+/-0.295 χ²/NDF:110.6/14
Left: -4.110+/-0.205 χ²/NDF: 191.3/30
Right: -4.801+/-0.364 χ²/NDF: 335.0/34
In: -4.023+/-0.256 χ²/NDF:291.8/30
Out: -4.516+/-0.249 χ²/NDF:235.3/34
All: -4.276+/-0.178 χ²/NDF: 529.0/65



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.257+/-0.400 χ^2/NDF:455.8/15

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.267+/-0.406 χ^2/NDF:361.6/14

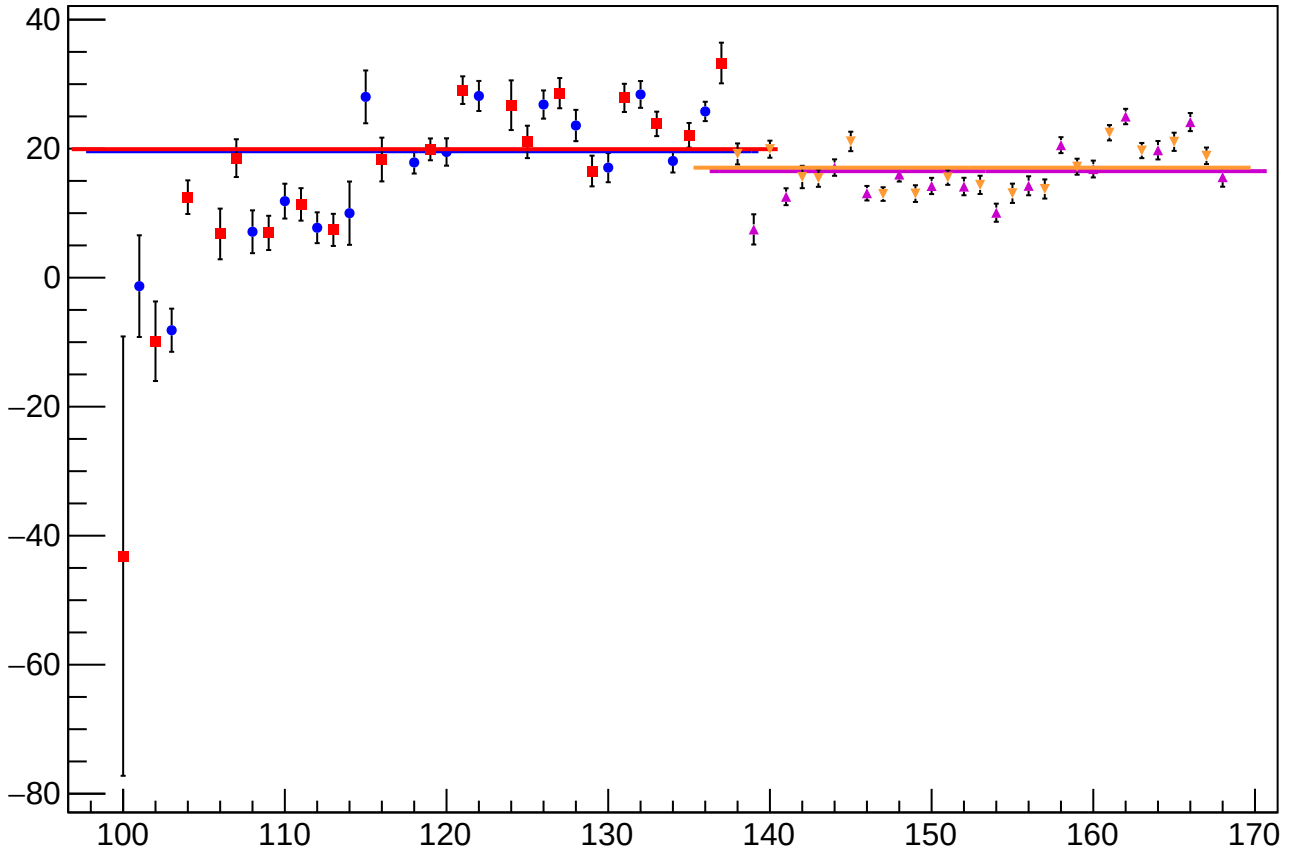
Left: 64.249+/-0.285 χ^2/NDF: 829.8/30

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.851+/-0.330 χ^2/NDF:931.5/30

Out: 66.944+/-0.326 χ^2/NDF:1294.1/34

All: 67.393+/-0.232 χ^2/NDF: 2229.5/65



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.051+/-0.331 χ^2/NDF:93.7/15

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.512+/-0.342 χ^2/NDF:159.6/14

Left: 16.790+/-0.238 χ^2/NDF: 254.6/30

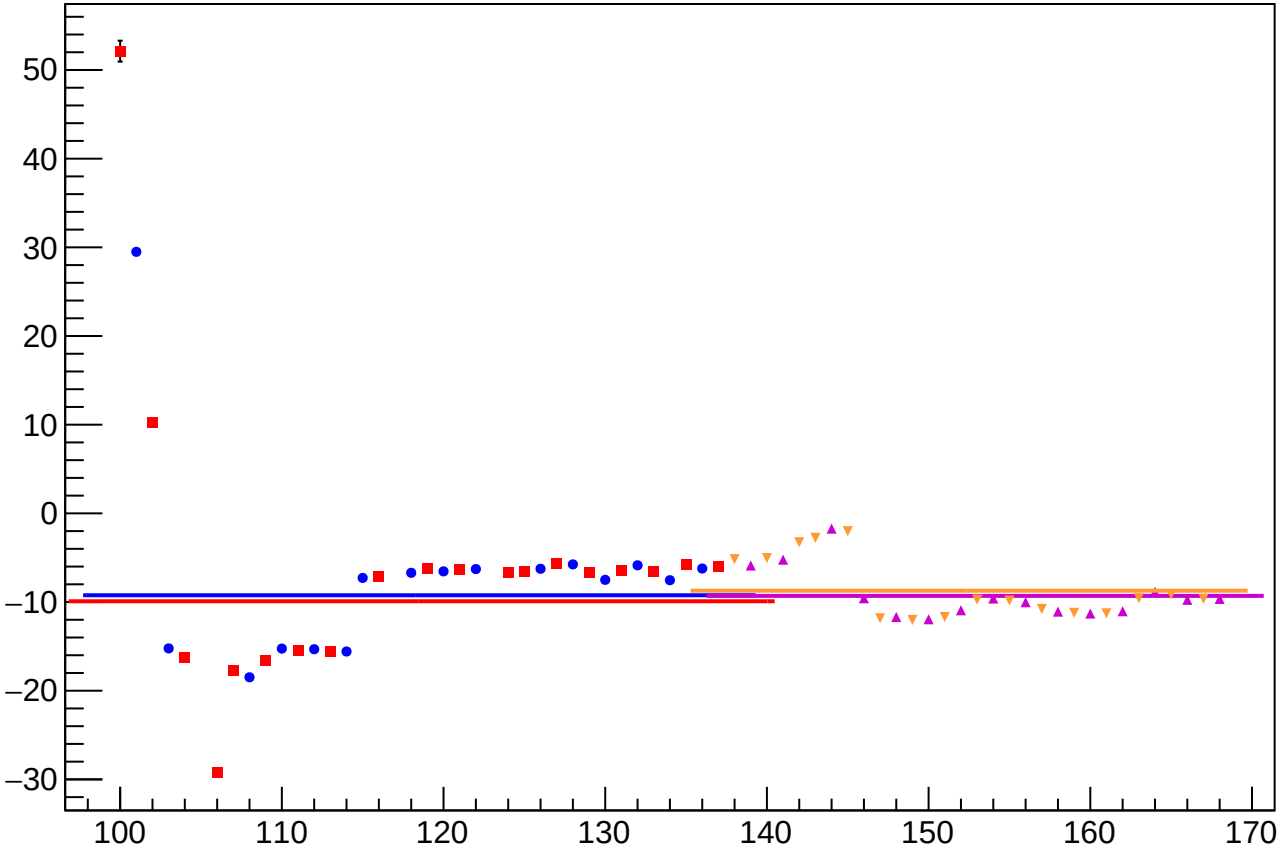
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.297+/-0.295 χ^2/NDF:376.3/30

Out: 17.747+/-0.288 χ^2/NDF:293.3/34

All: 17.527+/-0.206 χ^2/NDF: 670.7/65

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: -8.721+/-0.015 χ^2/NDF:43910.7/15

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.305+/-0.015 χ^2/NDF:28971.2/14

Left: -9.012+/-0.011 χ^2/NDF: 73623.0/30

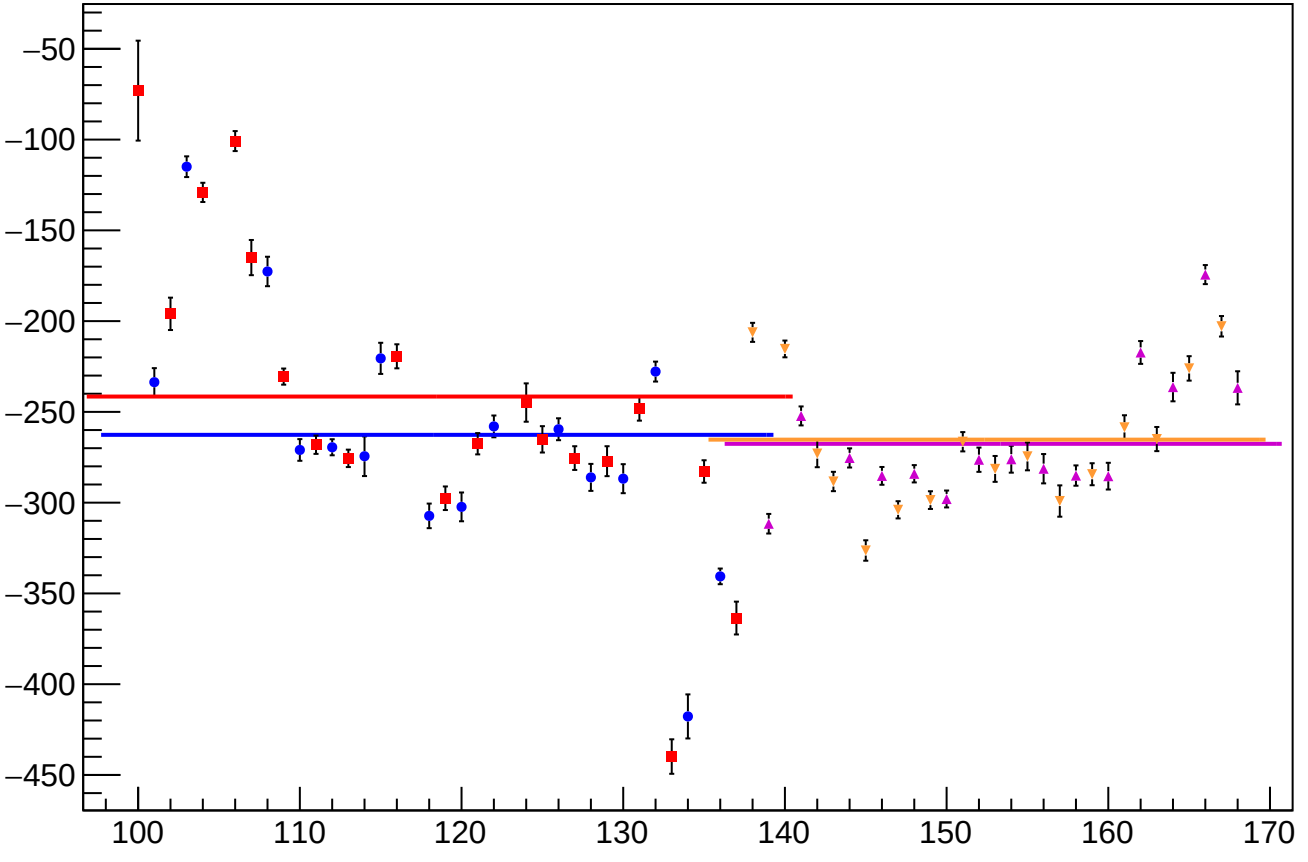
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.293+/-0.014 χ^2/NDF:60134.3/30

Out: -8.914+/-0.014 χ^2/NDF:98777.9/34

All: -9.105+/-0.010 χ^2/NDF: 159286.4/65

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: -265.288+/-1.466 χ^2/NDF:684.0/15

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -267.596+/-1.517 χ^2/NDF:572.9/14

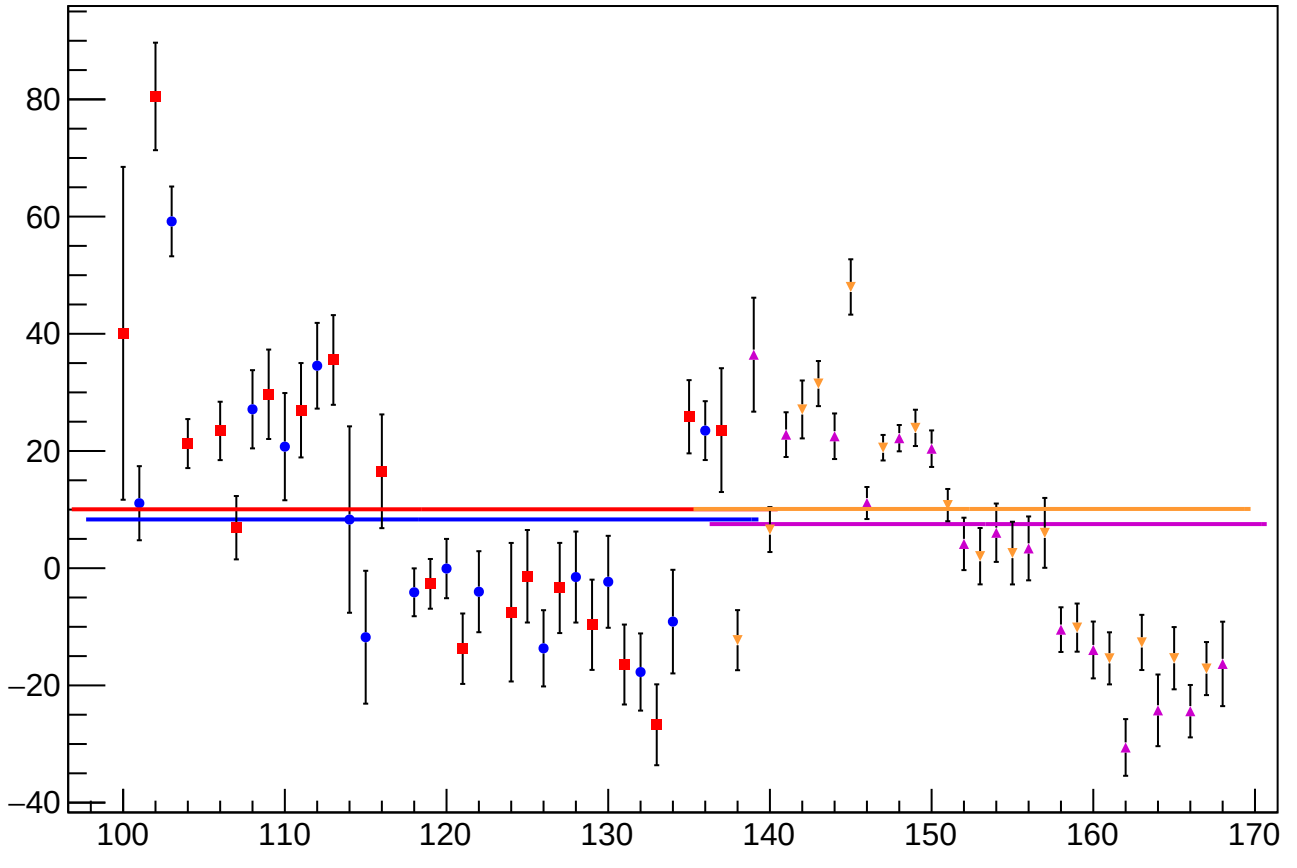
Left: -266.402+/-1.054 χ^2/NDF: 1258.1/30

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.273+/-1.105 χ^2/NDF:2032.2/30

Out: -253.741+/-1.050 χ^2/NDF:2950.1/34

All: -259.214+/-0.761 χ^2/NDF: 5039.6/65



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 10.111+/-0.975 χ^2/NDF:315.0/15

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 7.528+/-1.024 χ^2/NDF:295.3/14

Left: 8.882+/-0.706 χ^2/NDF: 613.6/30

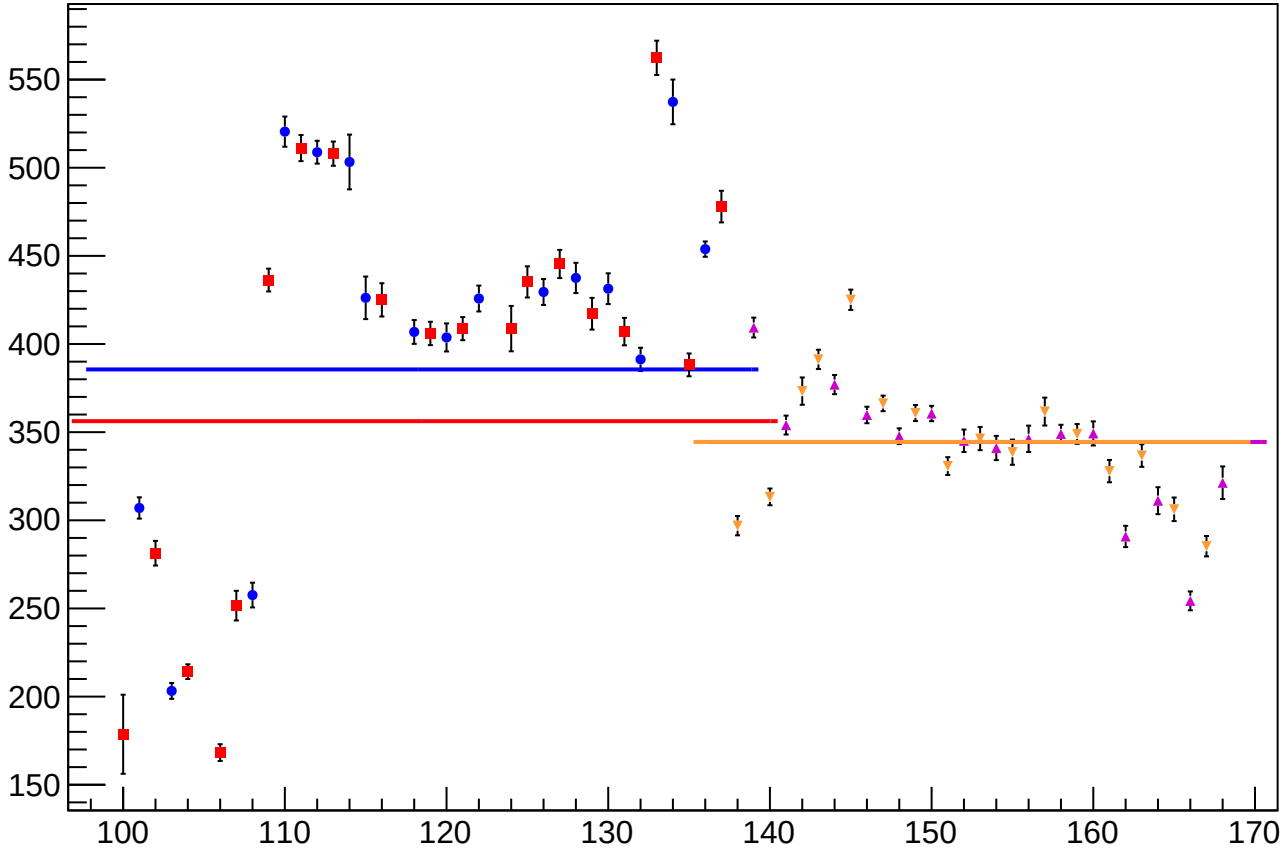
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 7.749+/-0.869 χ^2/NDF:453.1/30

Out: 10.094+/-0.824 χ^2/NDF:502.5/34

All: 8.984+/-0.598 χ^2/NDF: 959.4/65

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.462+/-1.431 χ^2/NDF:597.8/15

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 344.437+/-1.470 χ^2/NDF:586.0/14

Left: 344.450+/-1.026 χ^2/NDF: 1183.8/30

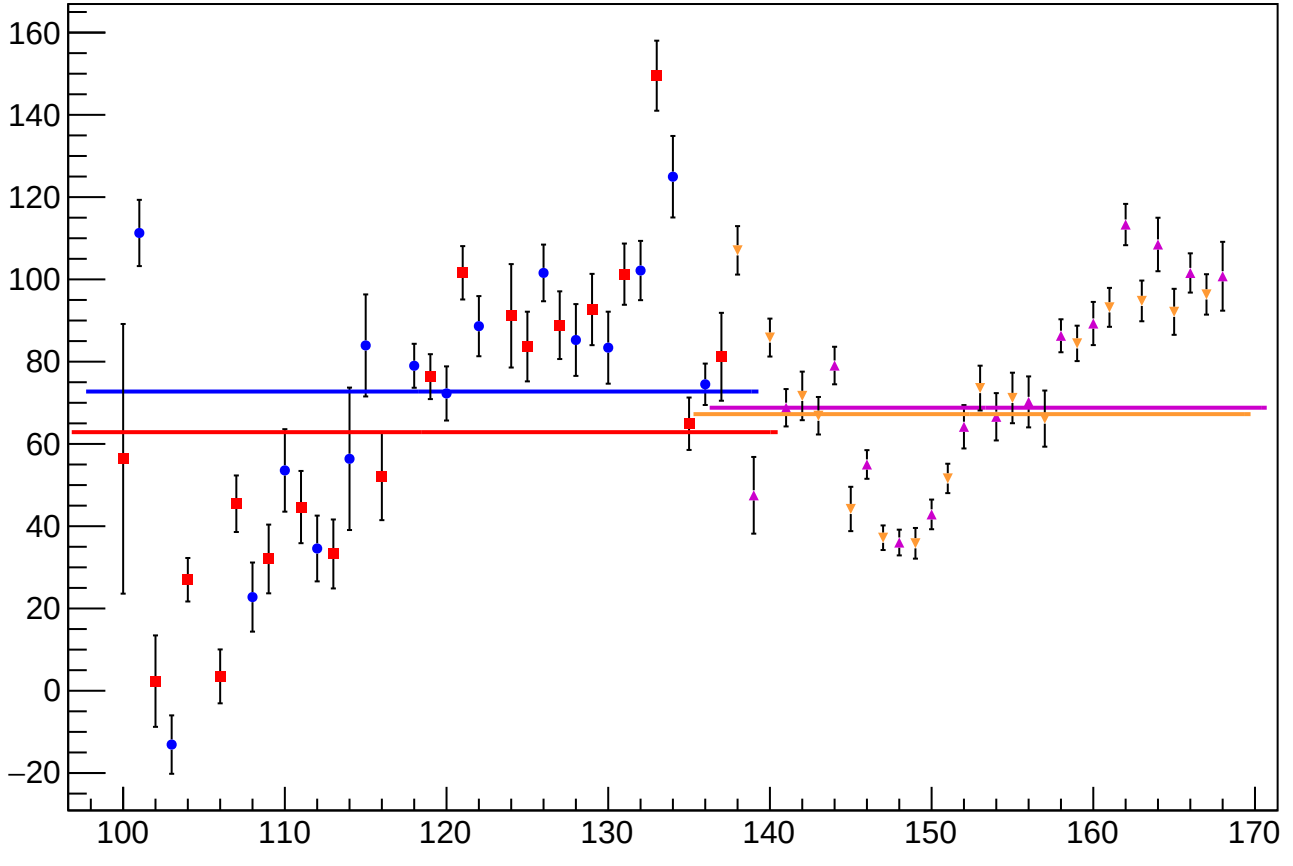
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 361.553+/-1.124 χ^2/NDF:4285.0/30

Out: 349.533+/-1.080 χ^2/NDF:5897.2/34

All: 355.306+/-0.779 χ^2/NDF: 10241.6/65

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: 67.245+/-1.159 χ^2/NDF:405.6/15

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.805+/-1.211 χ^2/NDF:400.4/14

Left: 67.991+/-0.837 χ^2/NDF: 806.8/30

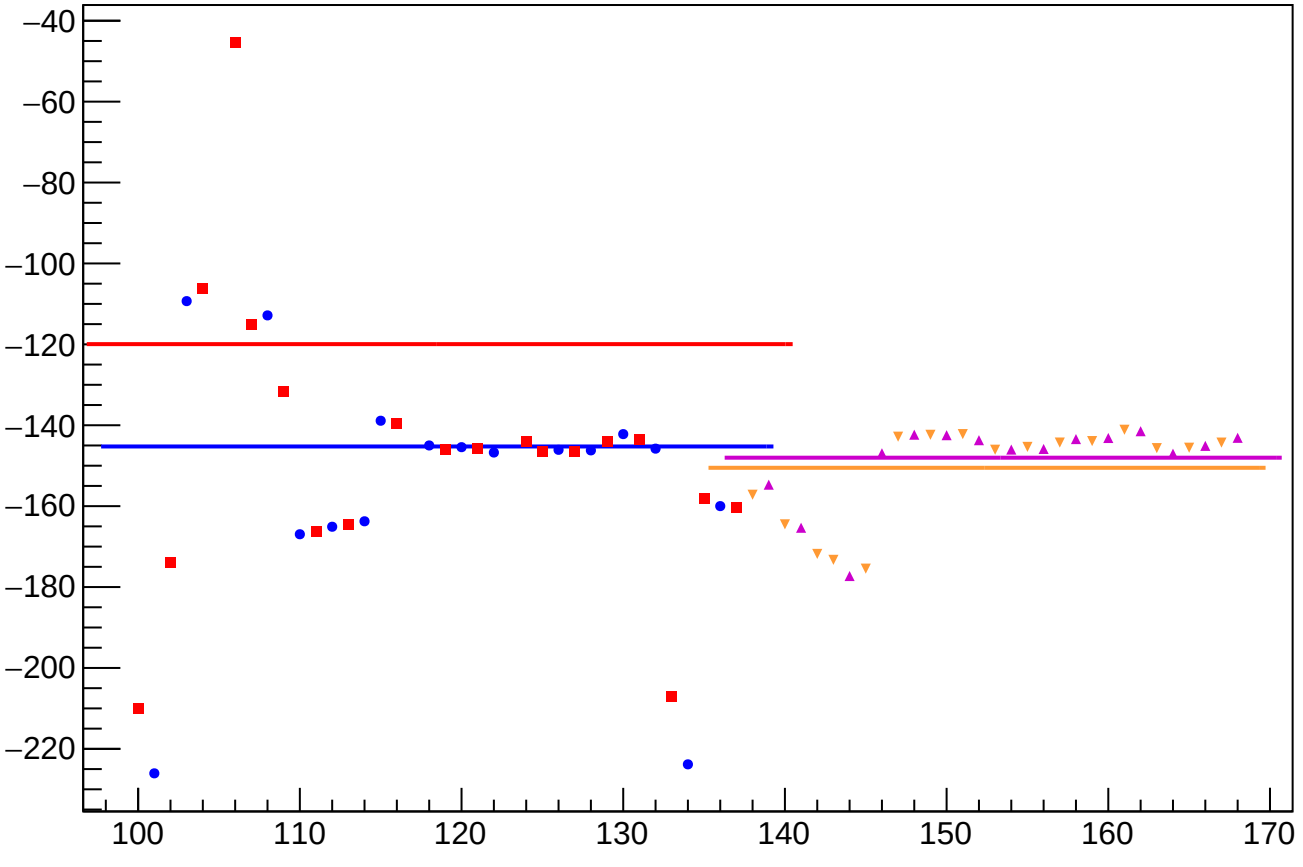
Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.944+/-1.021 χ^2/NDF:707.8/30

Out: 65.955+/-0.974 χ^2/NDF:813.4/34

All: 67.856+/-0.705 χ^2/NDF: 1529.1/65

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.517+/-0.056 χ^2/NDF:42747.5/15

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.022+/-0.056 χ^2/NDF:26644.4/14

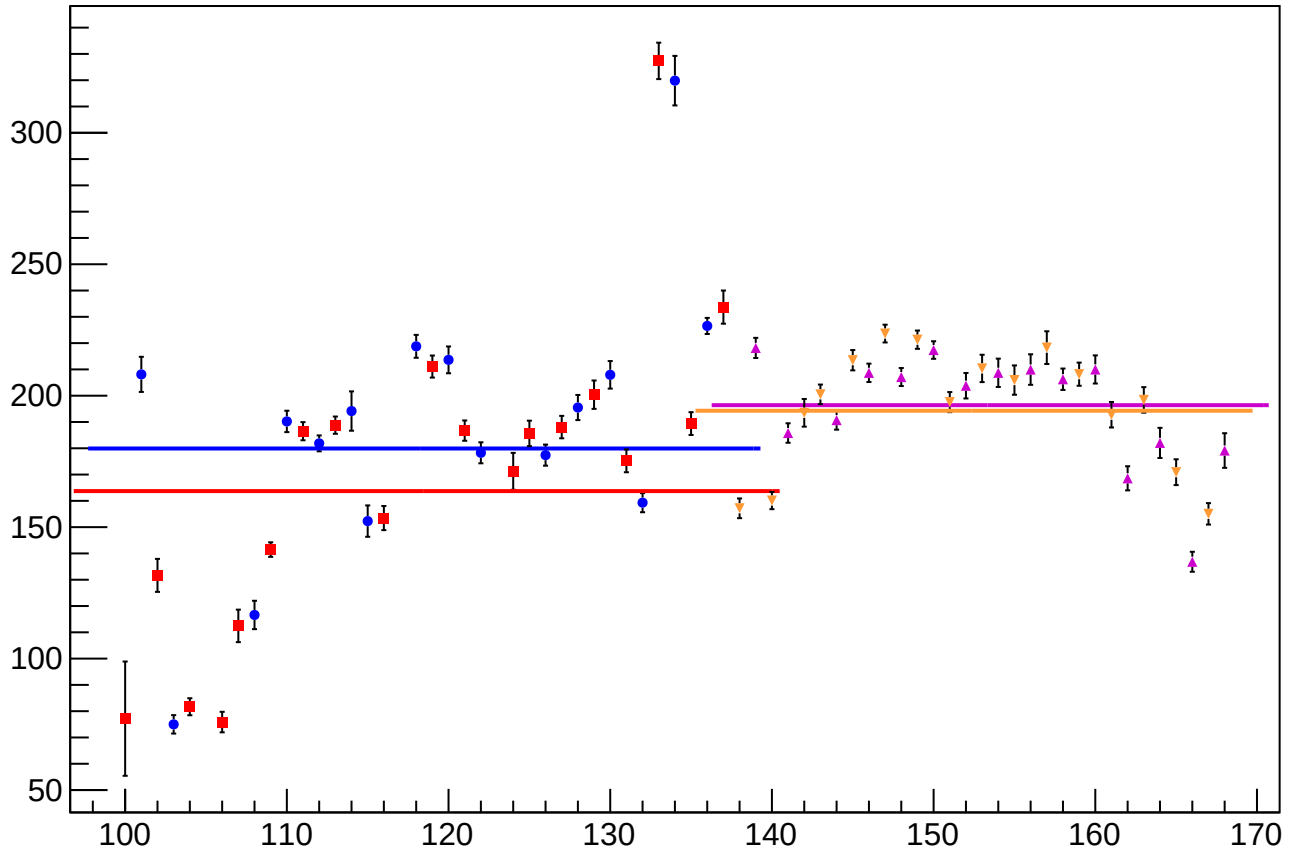
Left: -149.287+/-0.040 χ^2/NDF: 70388.0/30

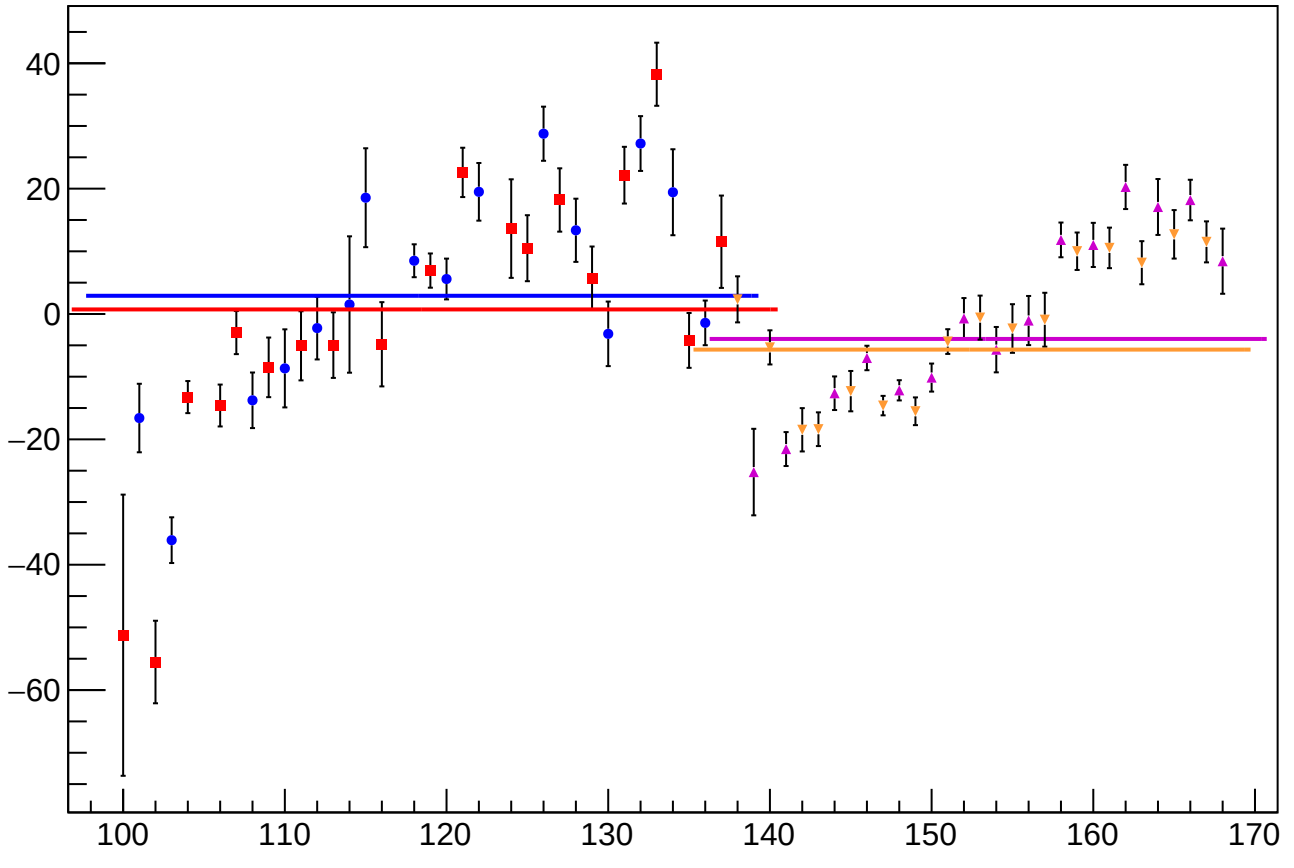
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.336+/-0.049 χ^2/NDF:159301.6/30

Out: -141.949+/-0.047 χ^2/NDF:398073.1/34

All: -144.544+/-0.034 χ^2/NDF: 563676.5/65


reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 179.918+/-1.089 χ²/NDF: 1732.7/15
Left Out: 194.280+/-1.048 χ²/NDF:525.4/15
Right Out: 163.718+/-1.001 χ²/NDF: 2416.8/18
Left In: 196.395+/-1.087 χ²/NDF:426.0/14
Left: 195.298+/-0.754 χ²/NDF: 953.4/30
Right: 171.138+/-0.737 χ²/NDF: 4269.5/34
In: 188.167+/-0.769 χ²/NDF:2273.4/30
Out: 178.301+/-0.724 χ²/NDF:3387.2/34
All: 182.933+/-0.527 χ²/NDF: 5747.9/65



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.679+/-0.697 χ^2/NDF:221.7/15

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.980+/-0.735 χ^2/NDF:272.5/14

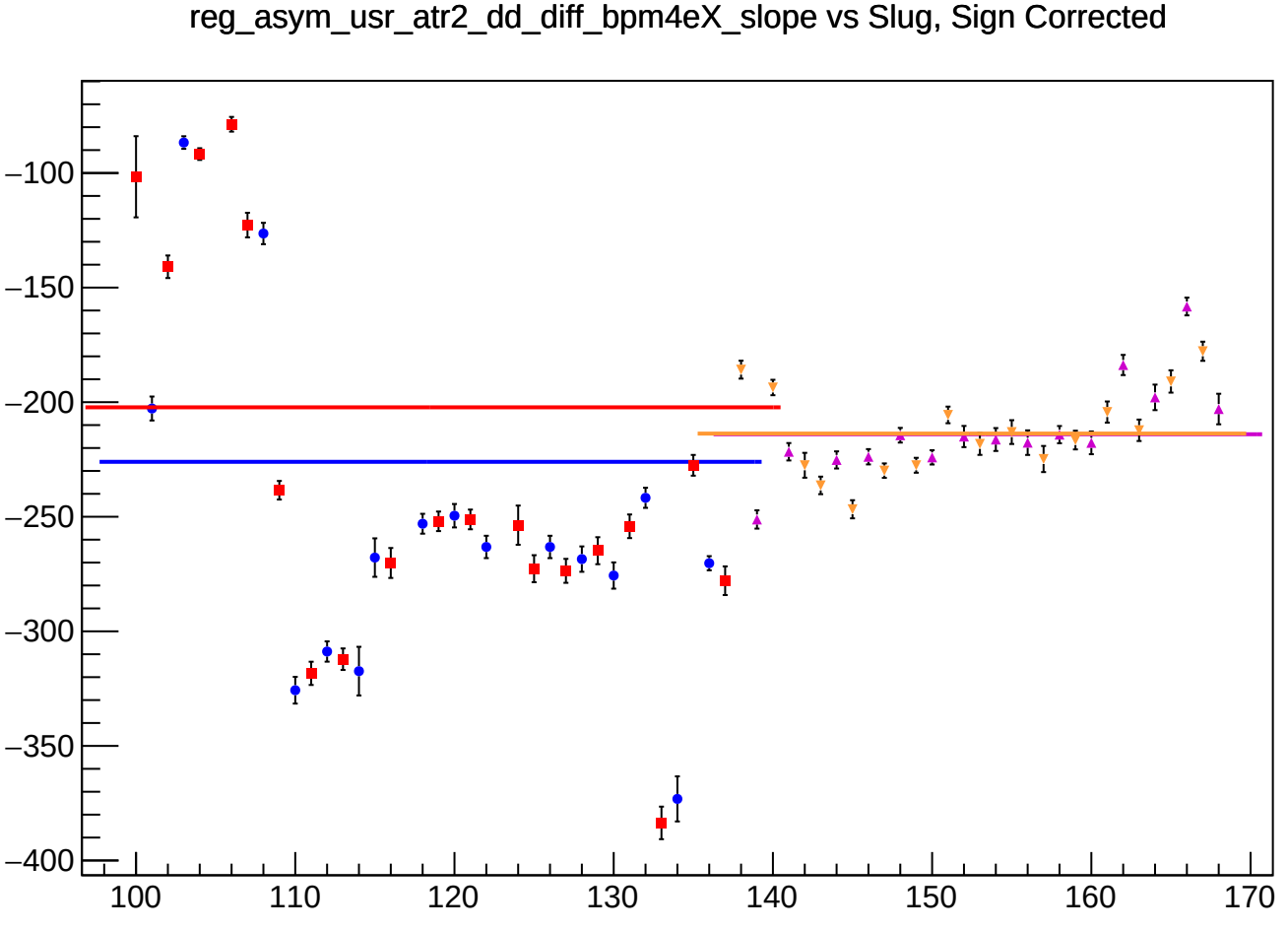
Left: -4.874+/-0.506 χ^2/NDF: 497.0/30

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.868+/-0.612 χ^2/NDF:547.0/30

Out: -3.617+/-0.574 χ^2/NDF:522.4/34

All: -2.798+/-0.419 χ^2/NDF: 1073.7/65



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -213.714+/-1.024 χ^2/NDF:352.0/15

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.003+/-1.055 χ^2/NDF:385.6/14

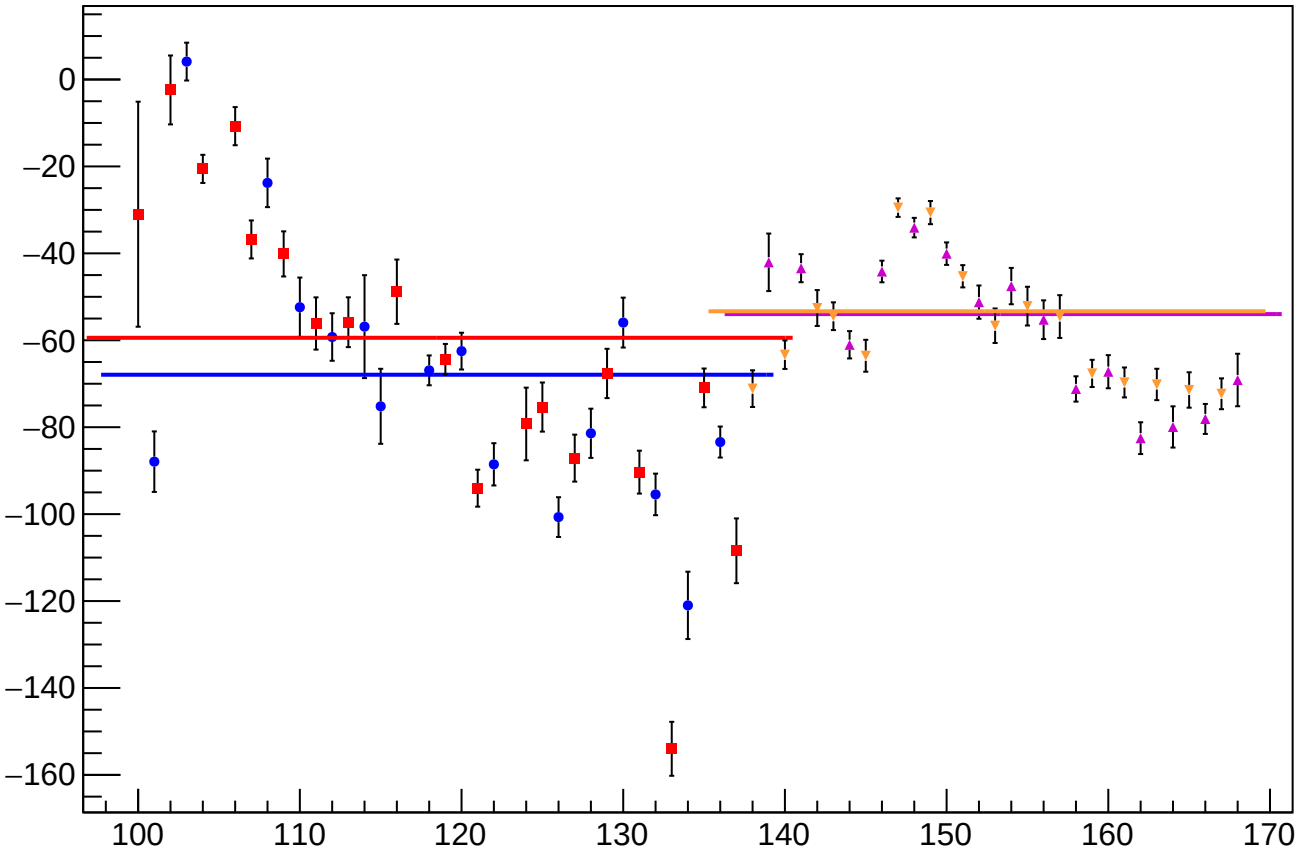
Left: -213.854+/-0.735 χ^2/NDF: 737.7/30

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

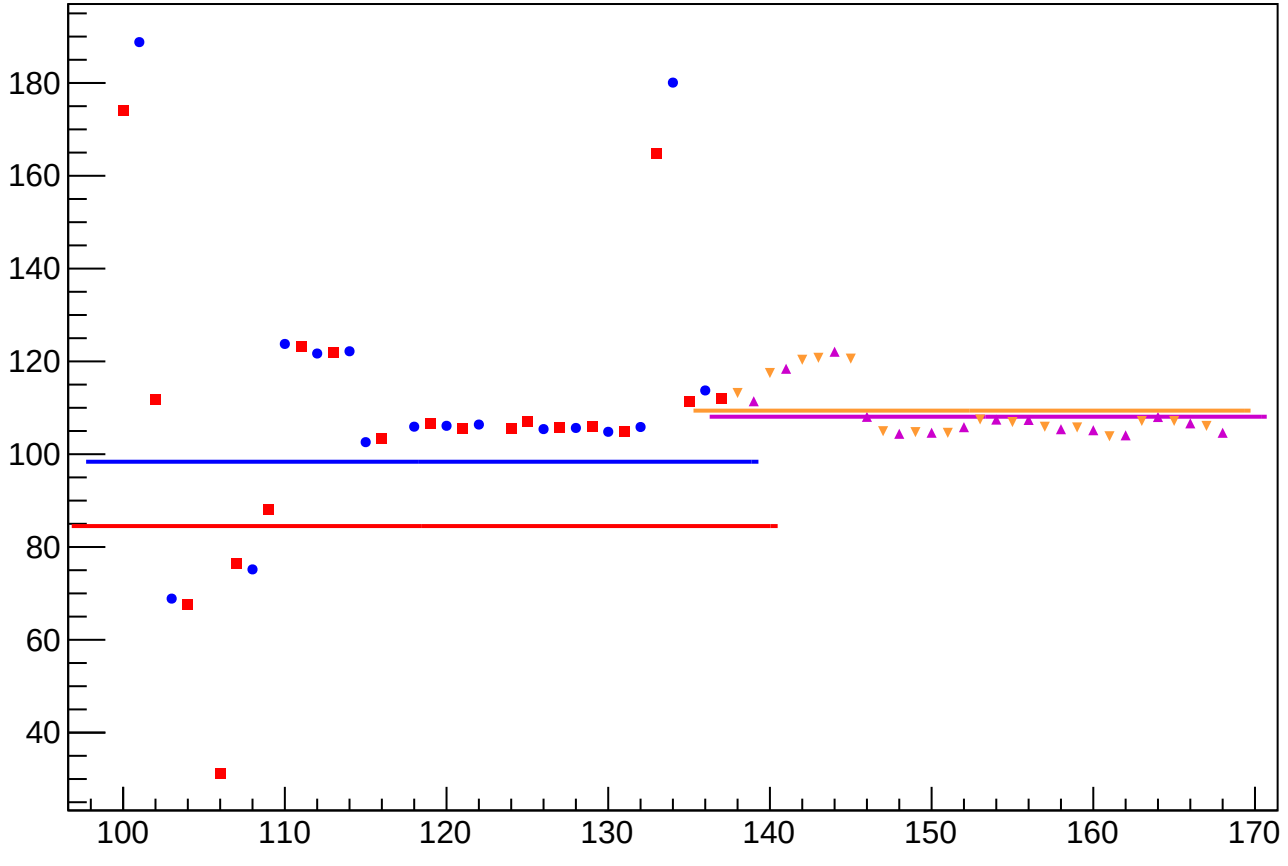
In: -219.368+/-0.785 χ^2/NDF:4982.7/30

Out: -208.323+/-0.745 χ^2/NDF:7101.7/34

All: -213.561+/-0.540 χ^2/NDF: 12188.6/65


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -67.927+/-1.278 χ²/NDF: 534.0/15
Left Out: -53.330+/-0.830 χ²/NDF:357.4/15
Right Out: -59.428+/-1.184 χ²/NDF: 794.9/18
Left In: -53.974+/-0.870 χ²/NDF:337.9/14
Left: -53.637+/-0.600 χ²/NDF: 695.5/30
Right: -63.353+/-0.869 χ²/NDF: 1352.7/34
In: -58.389+/-0.719 χ²/NDF:953.4/30
Out: -55.339+/-0.680 χ²/NDF:1170.0/34
All: -56.778+/-0.494 χ²/NDF: 2132.9/65

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: 109.390+/-0.040 χ^2/NDF:22653.8/15

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.078+/-0.040 χ^2/NDF:15319.9/14

Left: 108.745+/-0.028 χ^2/NDF: 38508.3/30

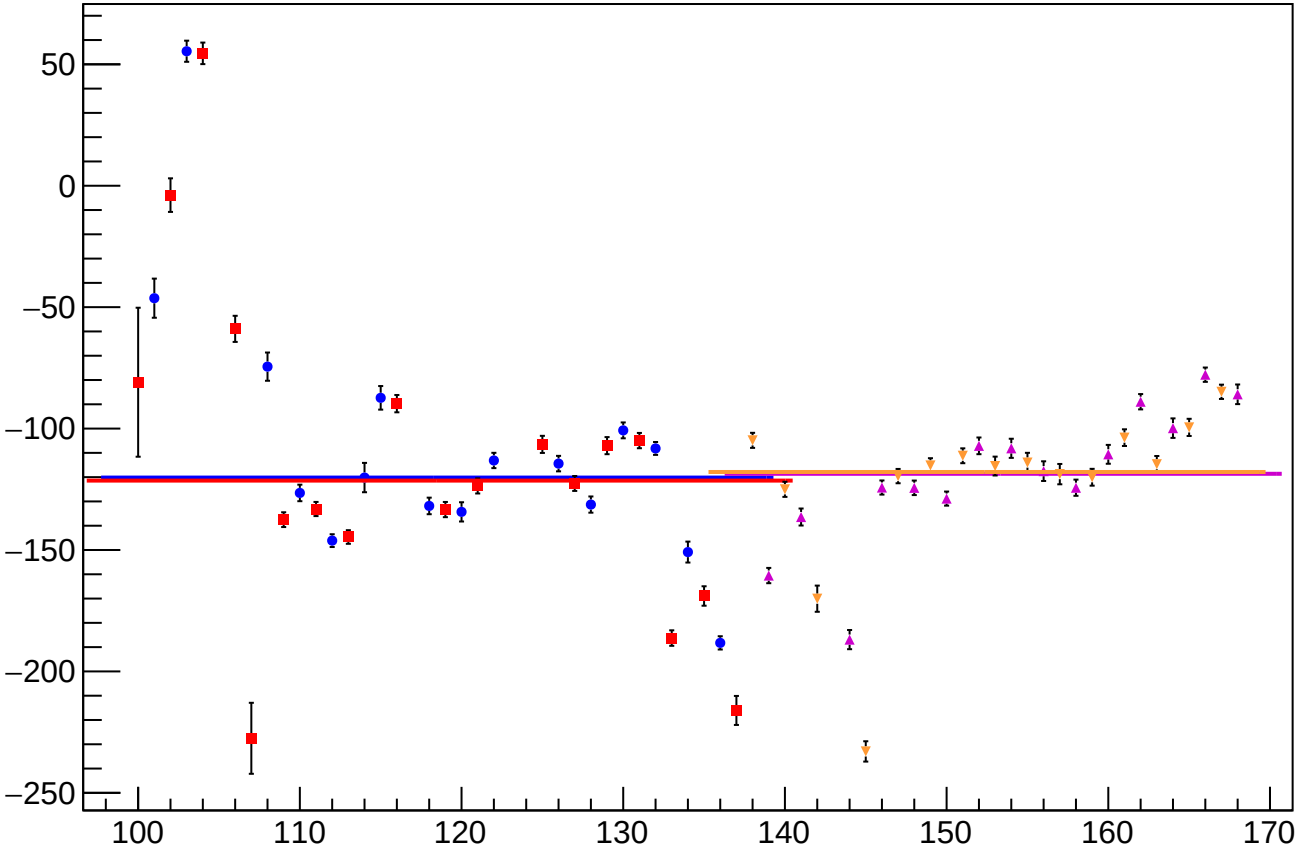
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.431+/-0.034 χ^2/NDF:259430.5/30

Out: 101.899+/-0.033 χ^2/NDF:409231.9/34

All: 103.601+/-0.024 χ^2/NDF: 674096.2/65

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -117.874+/-0.888 χ^2/NDF:1050.2/14

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -118.619+/-0.877 χ^2/NDF:914.9/14

Left: -118.251+/-0.624 χ^2/NDF: 1965.4/29

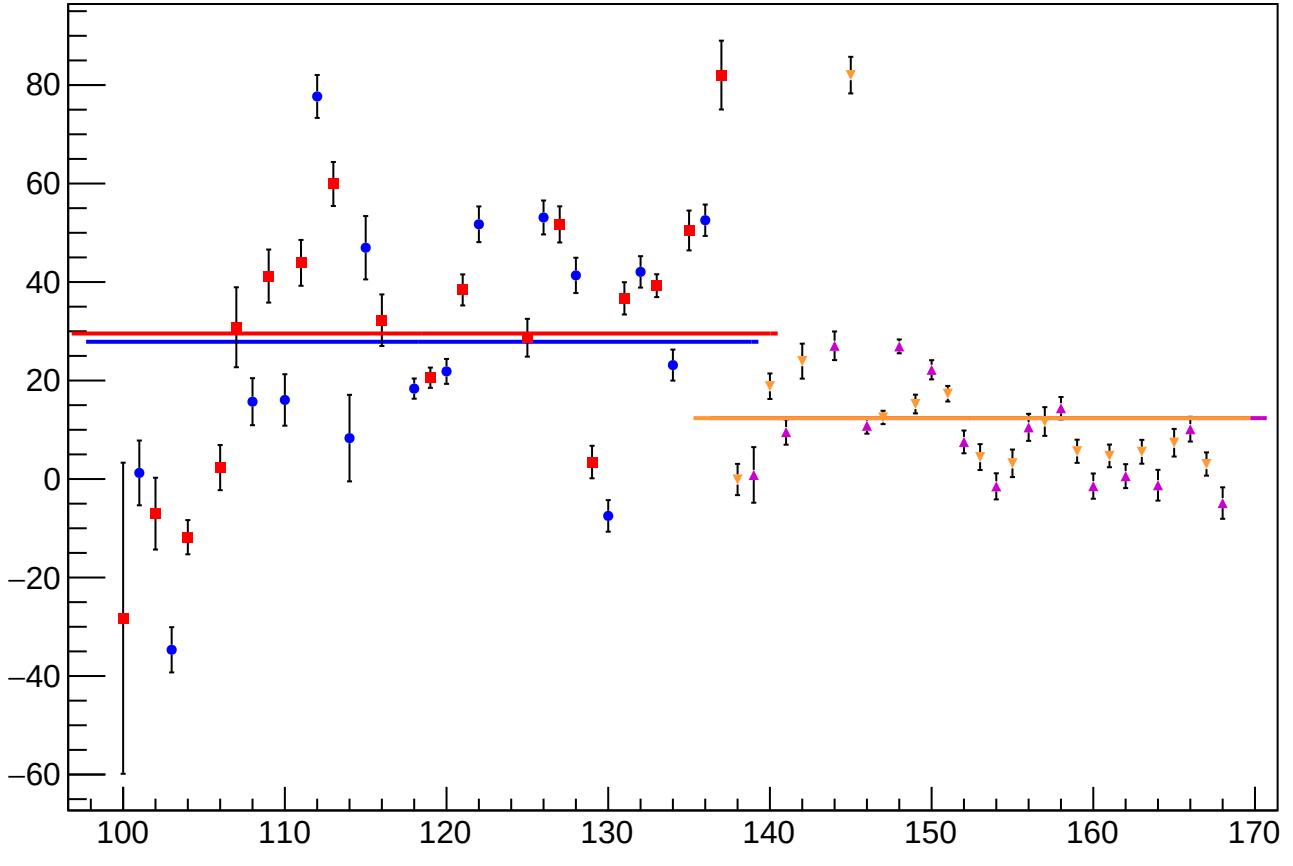
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -119.386+/-0.625 χ^2/NDF:3607.6/30

Out: -119.672+/-0.623 χ^2/NDF:4184.6/32

All: -119.529+/-0.441 χ^2/NDF: 7792.3/63

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.366+/-0.592 χ^2/NDF:461.9/14

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.371+/-0.599 χ^2/NDF:298.4/14

Left: 12.368+/-0.421 χ^2/NDF: 760.3/29

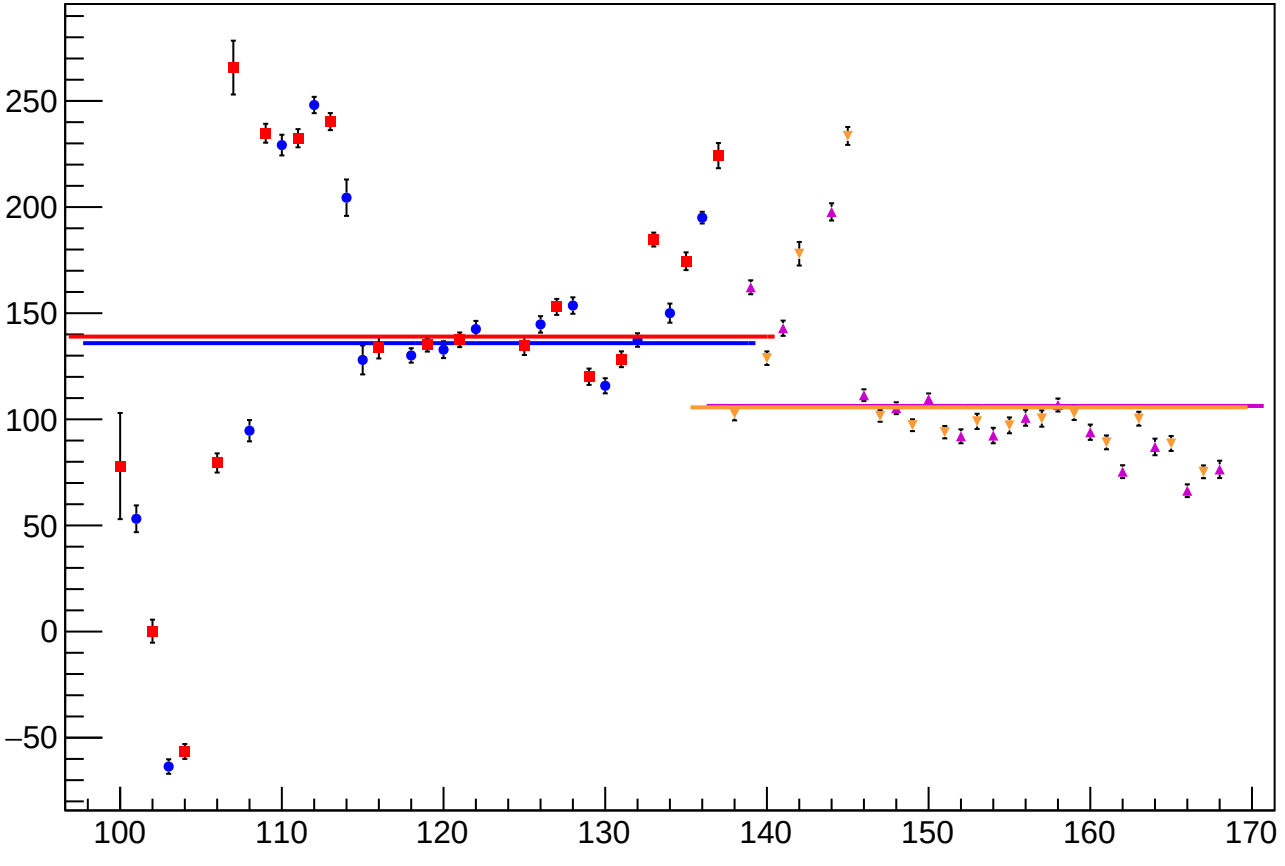
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.219+/-0.497 χ^2/NDF:1207.4/30

Out: 17.638+/-0.493 χ^2/NDF:1218.1/32

All: 17.430+/-0.350 χ^2/NDF: 2425.8/63

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: 105.646+/-0.860 χ^2/NDF:1332.0/14

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 106.291+/-0.848 χ^2/NDF:1310.2/14

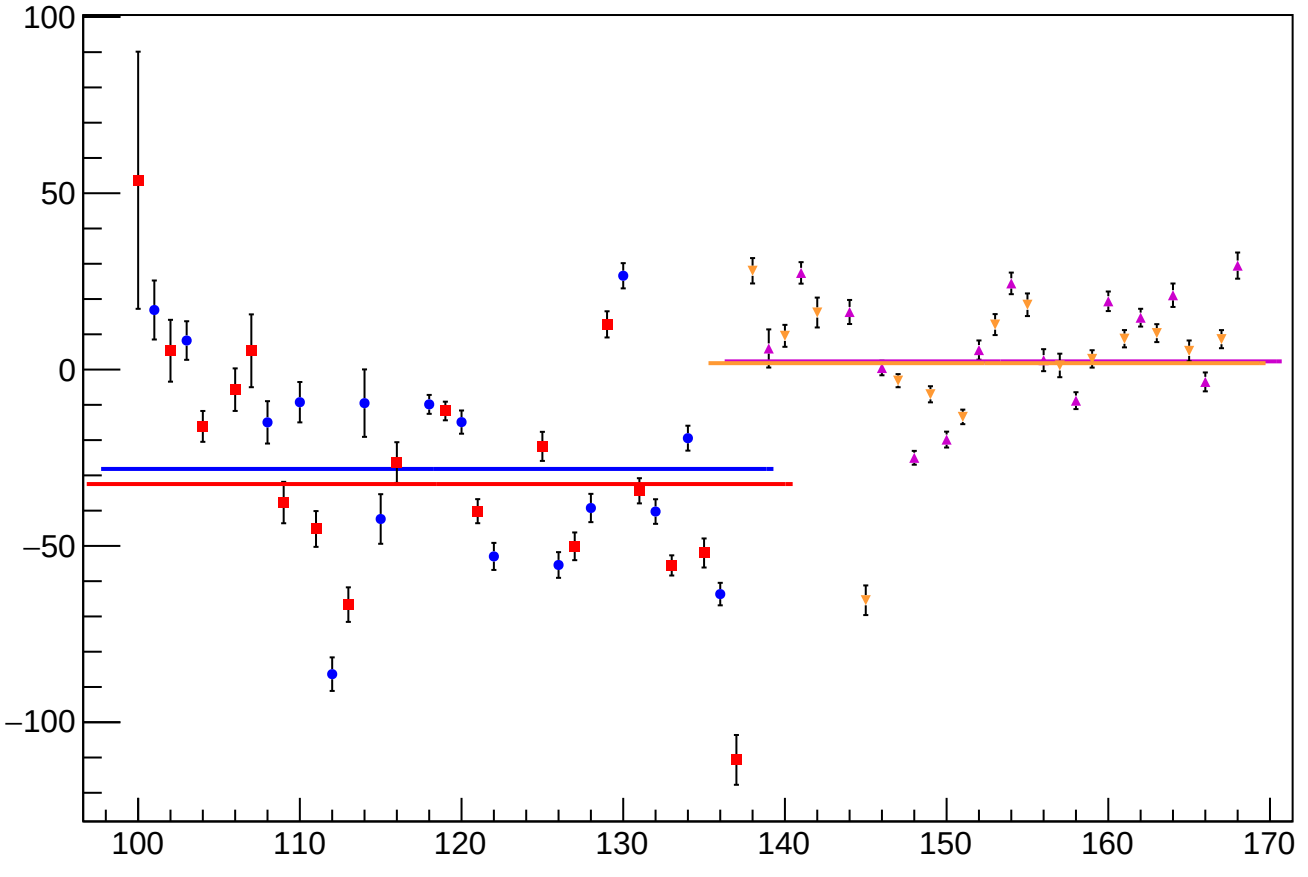
Left: 105.973+/-0.604 χ^2/NDF: 2642.4/29

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 118.692+/-0.646 χ^2/NDF:7284.1/30

Out: 119.850+/-0.652 χ^2/NDF:8128.5/32

All: 119.267+/-0.459 χ^2/NDF: 15414.2/63



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.813+/-0.697 χ^2/NDF:471.3/14

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.327+/-0.702 χ^2/NDF:604.6/14

Left: 2.068+/-0.495 χ^2/NDF: 1076.1/29

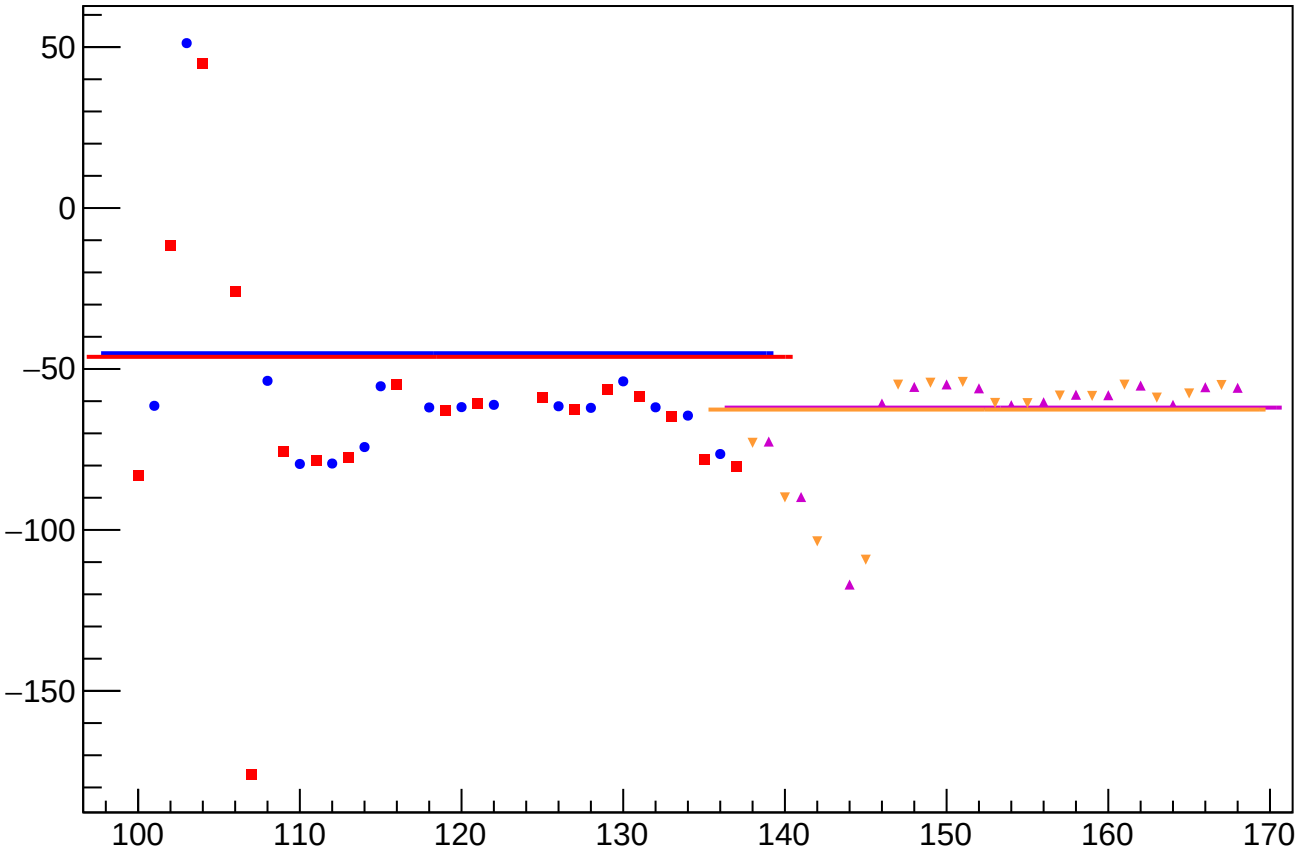
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -7.452+/-0.579 χ^2/NDF:2000.7/30

Out: -8.979+/-0.577 χ^2/NDF:1814.5/32

All: -8.218+/-0.408 χ^2/NDF: 3818.7/63

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: -62.607+/-0.033 χ^2/NDF:183530.9/14

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -61.999+/-0.032 χ^2/NDF:155635.6/14

Left: -62.297+/-0.023 χ^2/NDF: 339344.2/29

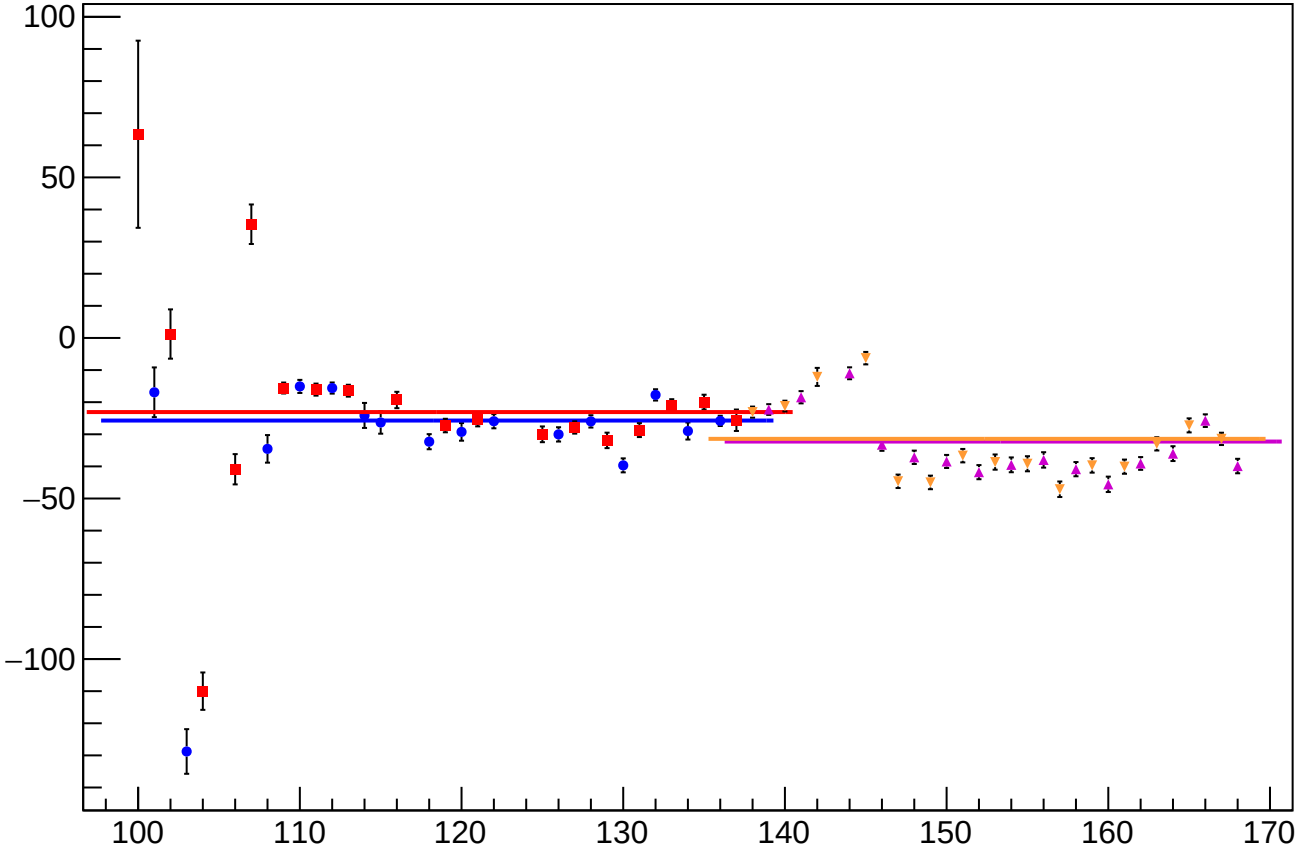
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.280+/-0.028 χ^2/NDF:792366.0/30

Out: -59.117+/-0.029 χ^2/NDF:731038.1/32

All: -58.689+/-0.020 χ^2/NDF: 1523834.2/63

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: -31.423+/-0.542 χ^2/NDF:457.4/14

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.264+/-0.534 χ^2/NDF:350.8/14

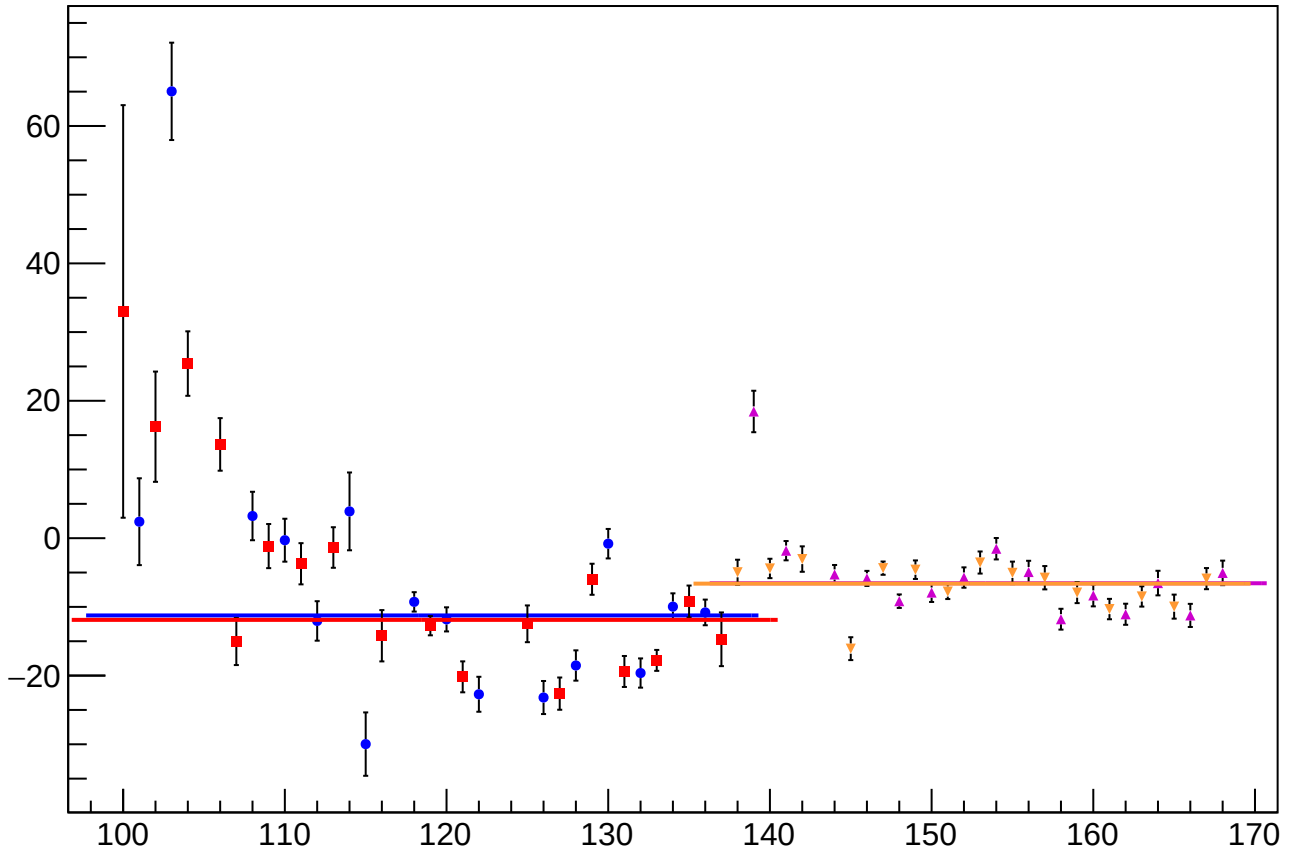
Left: -31.849+/-0.380 χ^2/NDF: 809.4/29

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.318+/-0.396 χ^2/NDF:781.4/30

Out: -27.547+/-0.397 χ^2/NDF:1004.6/32

All: -28.434+/-0.280 χ^2/NDF: 1795.9/63



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.615+/-0.375 χ^2/NDF:65.4/14

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.561+/-0.377 χ^2/NDF:131.3/14

Left: -6.588+/-0.266 χ^2/NDF: 196.7/29

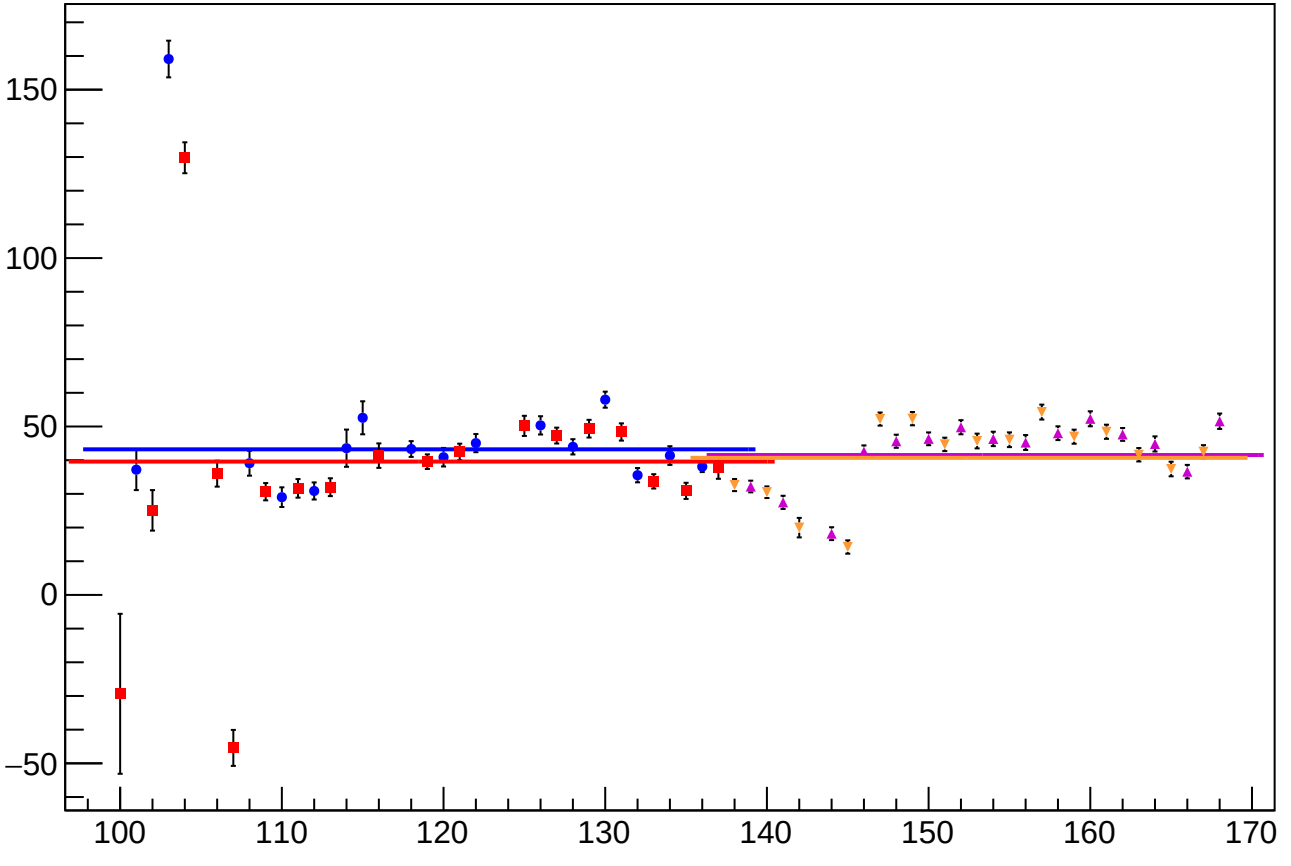
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.889+/-0.319 χ^2/NDF:446.1/30

Out: -8.072+/-0.319 χ^2/NDF:344.6/32

All: -7.981+/-0.226 χ^2/NDF: 790.8/63

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.692+/-0.528 χ^2/NDF:432.6/14

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.528+/-0.520 χ^2/NDF:334.7/14

Left: 41.117+/-0.371 χ^2/NDF: 768.6/29

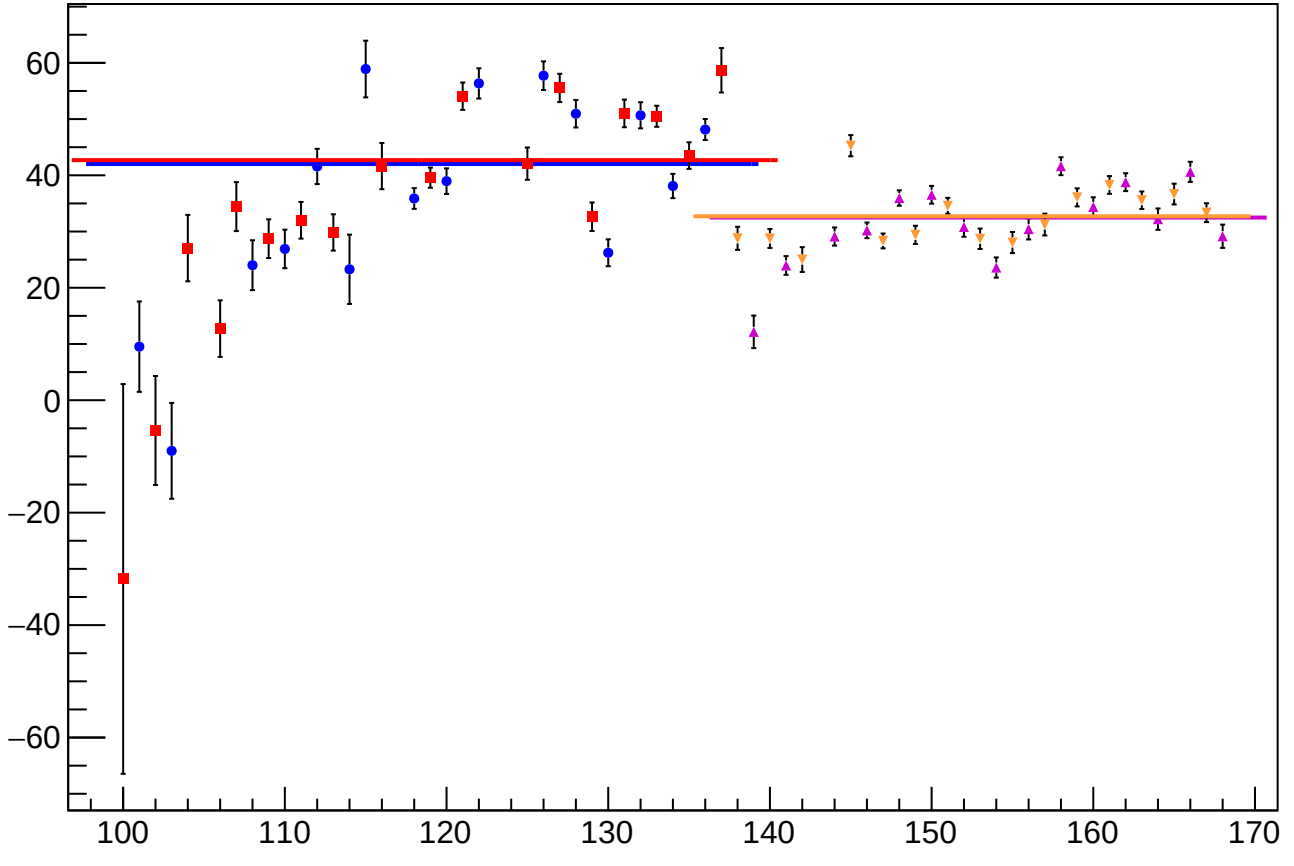
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.155+/-0.413 χ^2/NDF:914.6/30

Out: 40.280+/-0.418 χ^2/NDF:1188.3/32

All: 41.230+/-0.294 χ^2/NDF: 2113.1/63

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: 32.710+/-0.437 χ^2/NDF:119.1/14

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.487+/-0.439 χ^2/NDF:195.2/14

Left: 32.599+/-0.310 χ^2/NDF: 314.3/29

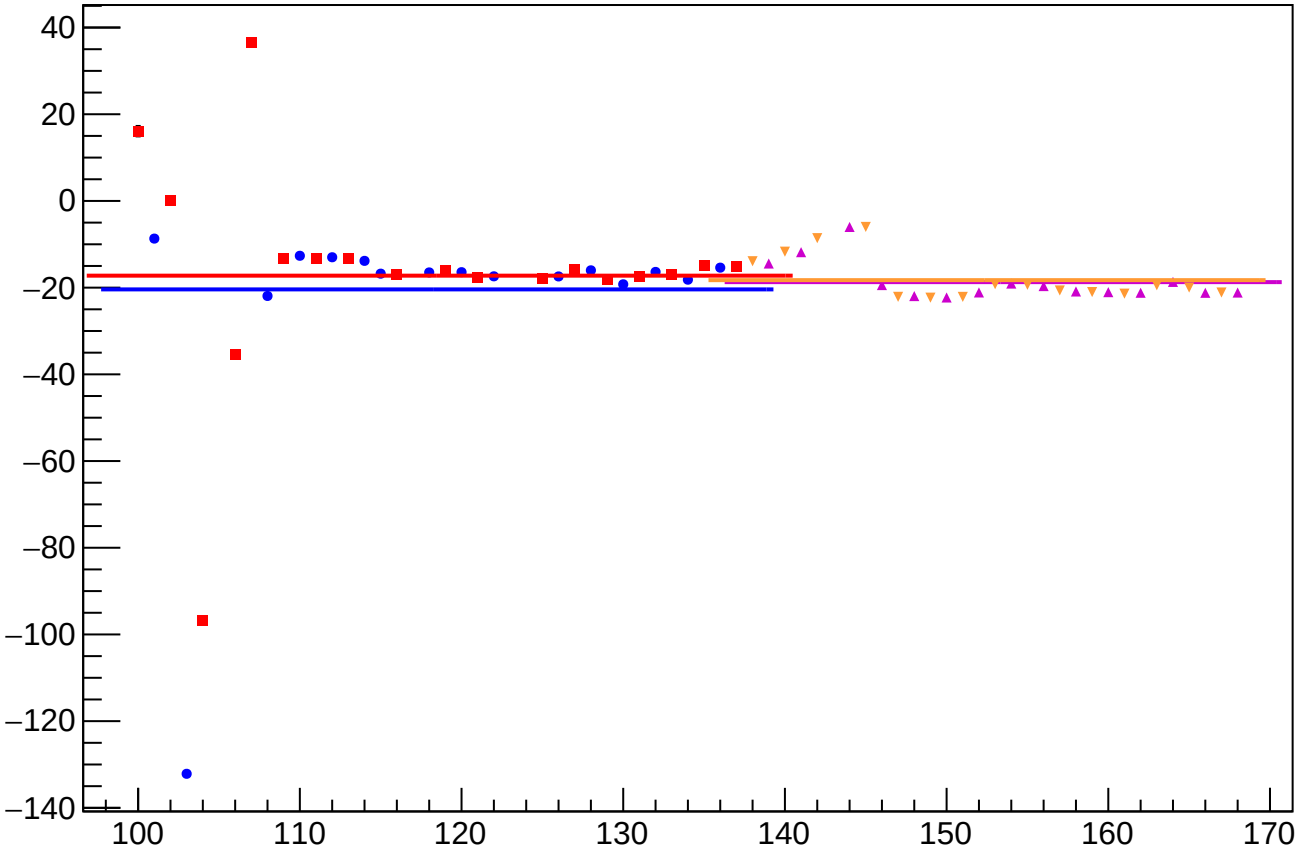
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.264+/-0.369 χ^2/NDF:605.1/30

Out: 35.542+/-0.370 χ^2/NDF:497.4/32

All: 35.403+/-0.261 χ^2/NDF: 1102.8/63

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: -18.273+/-0.020 χ^2/NDF:56315.4/14

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.727+/-0.020 χ^2/NDF:44365.8/14

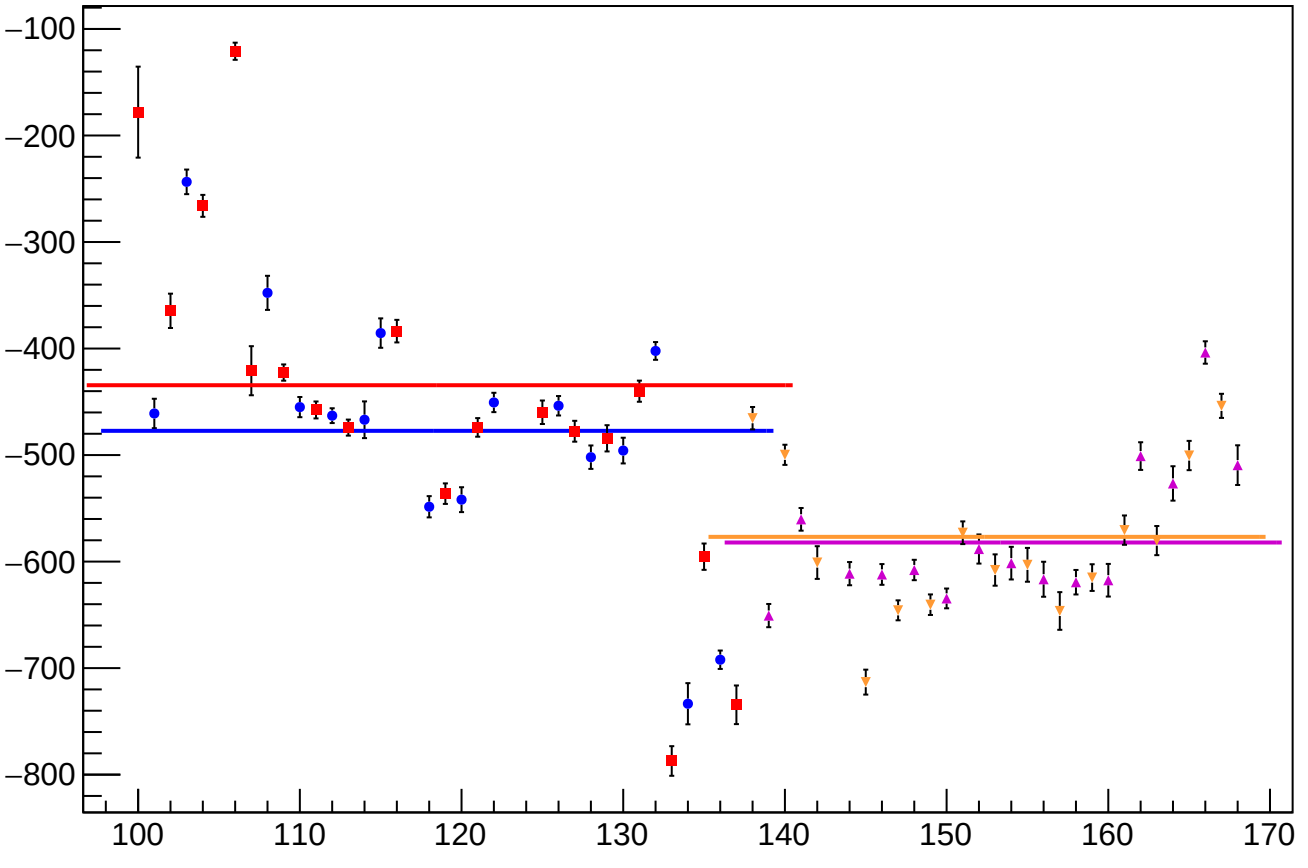
Left: -18.505+/-0.014 χ^2/NDF: 100946.0/29

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.027+/-0.018 χ^2/NDF:291293.9/30

Out: -18.097+/-0.018 χ^2/NDF:261431.5/32

All: -18.574+/-0.013 χ^2/NDF: 554069.3/63



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -576.779+/-3.092 χ^2/NDF:595.8/14

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -582.088+/-3.078 χ^2/NDF:475.1/14

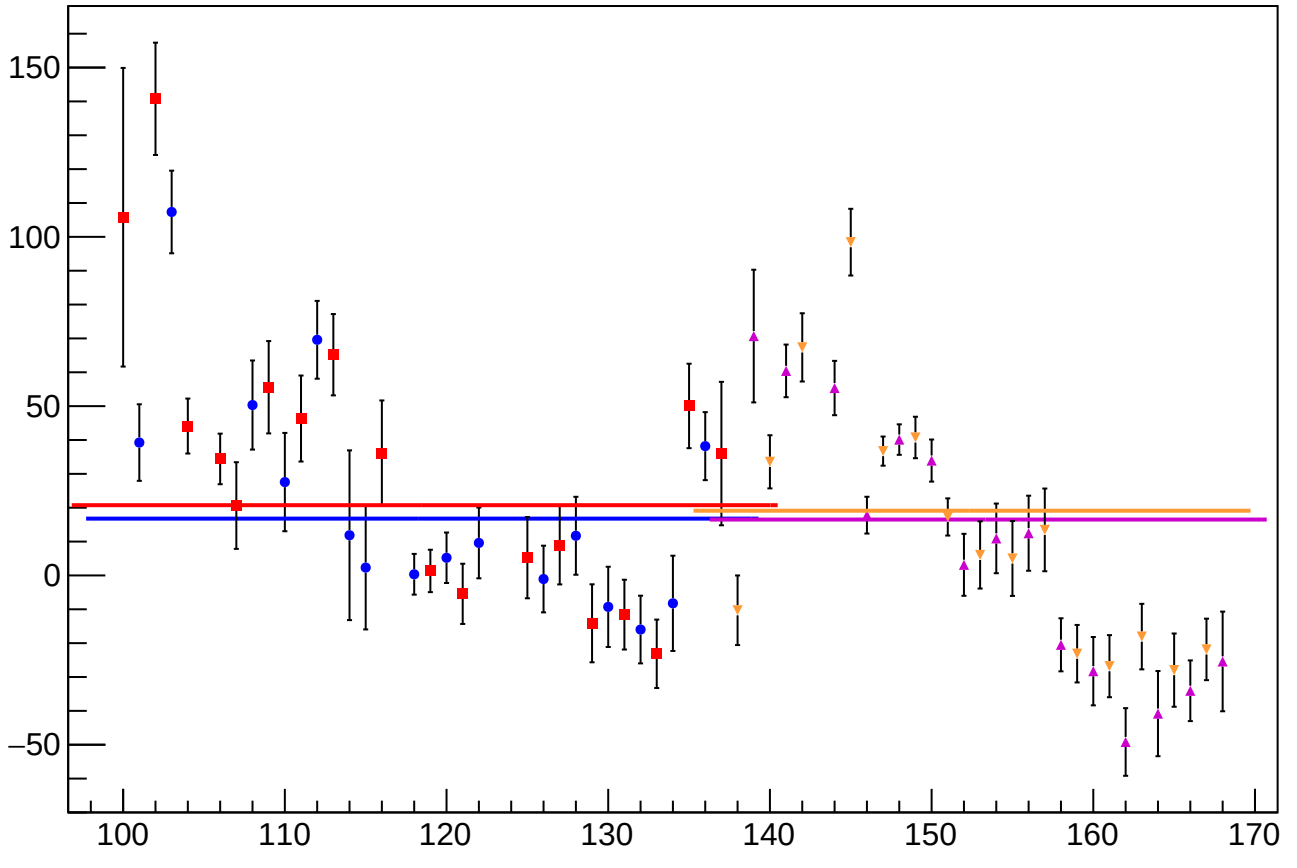
Left: -579.446+/-2.181 χ^2/NDF: 1072.4/29

Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -521.553+/-2.001 χ^2/NDF:2655.7/30

Out: -489.716+/-1.927 χ^2/NDF:5053.9/32

All: -505.035+/-1.388 χ^2/NDF: 7841.0/63



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 19.112+/-2.034 χ^2/NDF:236.0/14

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 16.506+/-2.073 χ^2/NDF:246.9/14

Left: 17.834+/-1.452 χ^2/NDF: 483.7/29

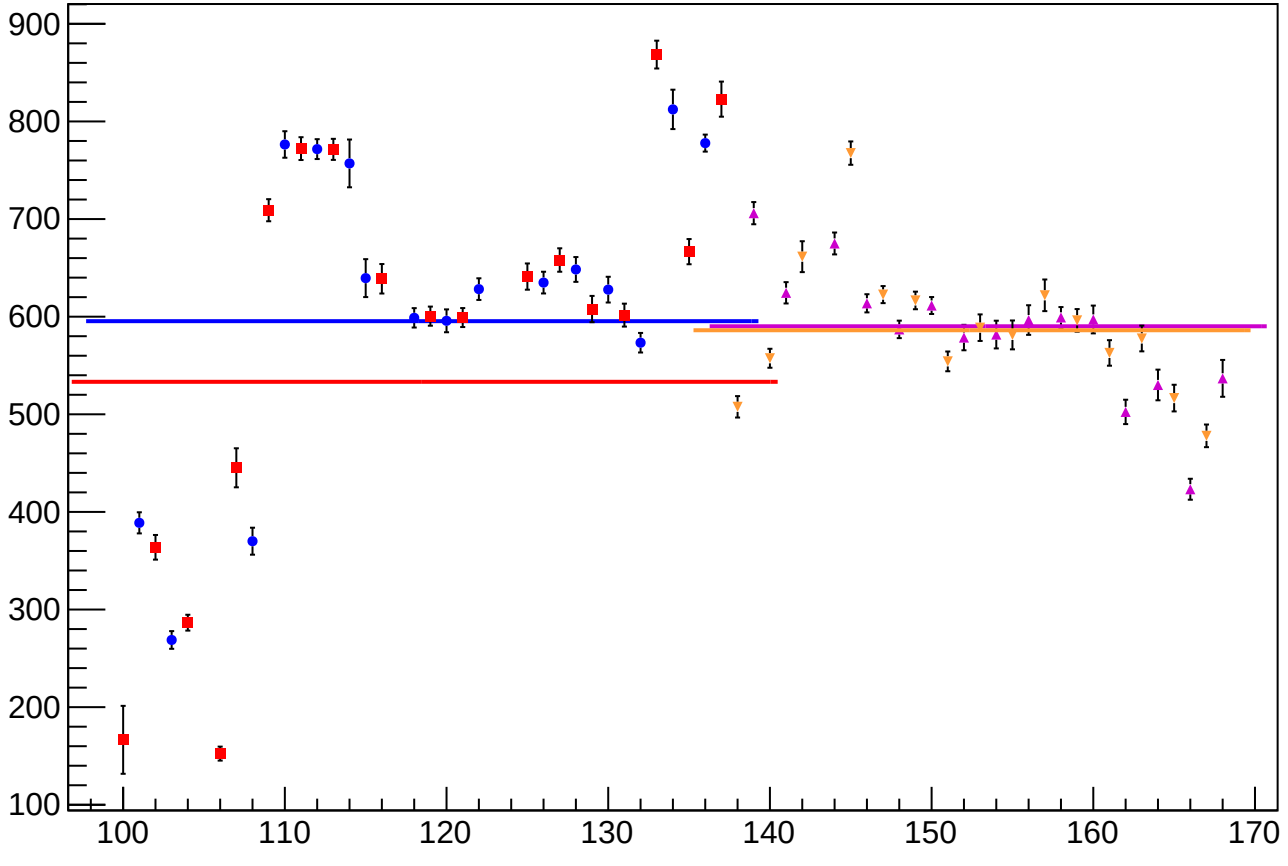
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.610+/-1.634 χ^2/NDF:371.9/30

Out: 19.749+/-1.590 χ^2/NDF:394.2/32

All: 18.222+/-1.139 χ^2/NDF: 768.0/63

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: 586.100+/-3.006 χ^2/NDF:473.6/14

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 590.170+/-2.983 χ^2/NDF:499.9/14

Left: 588.151+/-2.118 χ^2/NDF: 974.4/29

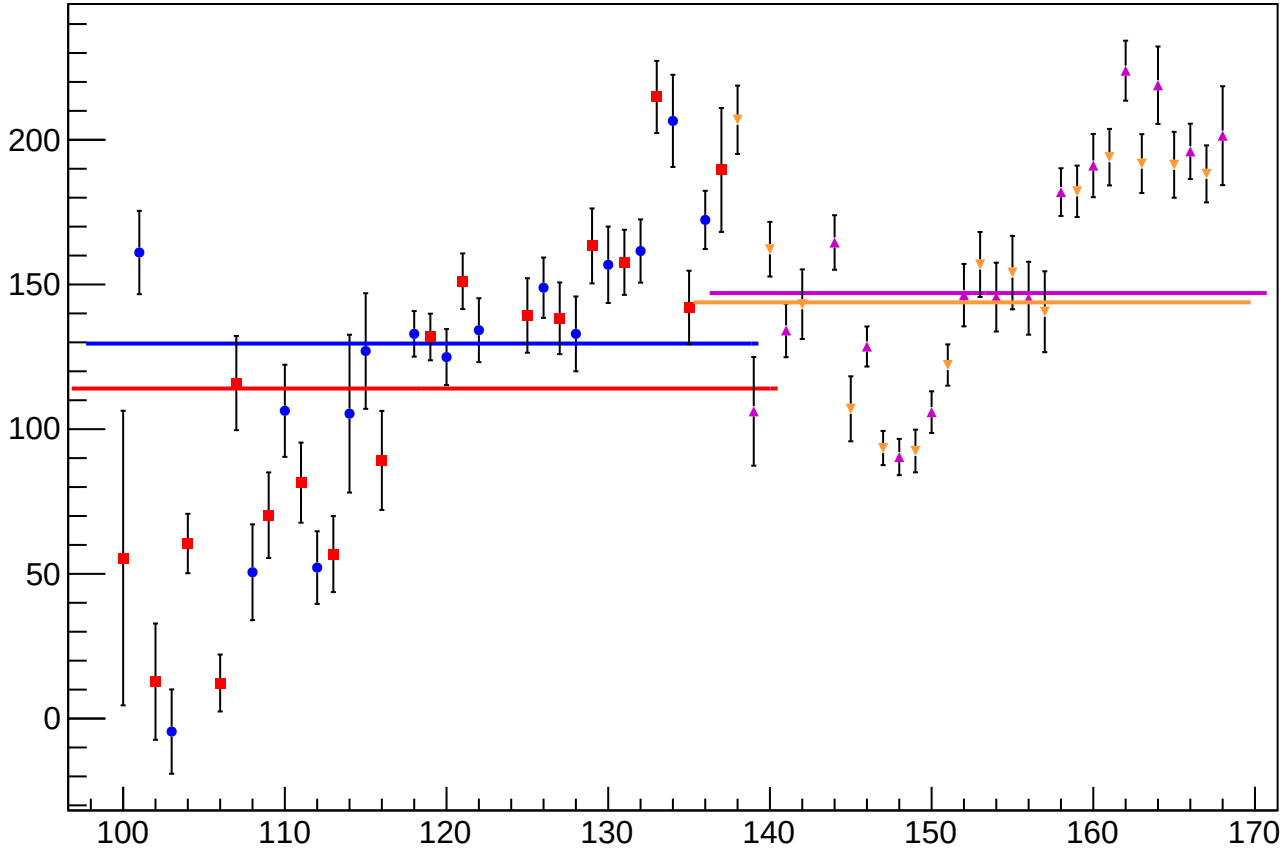
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 592.836+/-2.090 χ^2/NDF:3561.2/30

Out: 557.308+/-2.027 χ^2/NDF:7144.7/32

All: 574.530+/-1.455 χ^2/NDF: 10854.7/63

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: 143.819+/-2.426 χ^2/NDF:280.4/14

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.042+/-2.456 χ^2/NDF:286.0/14

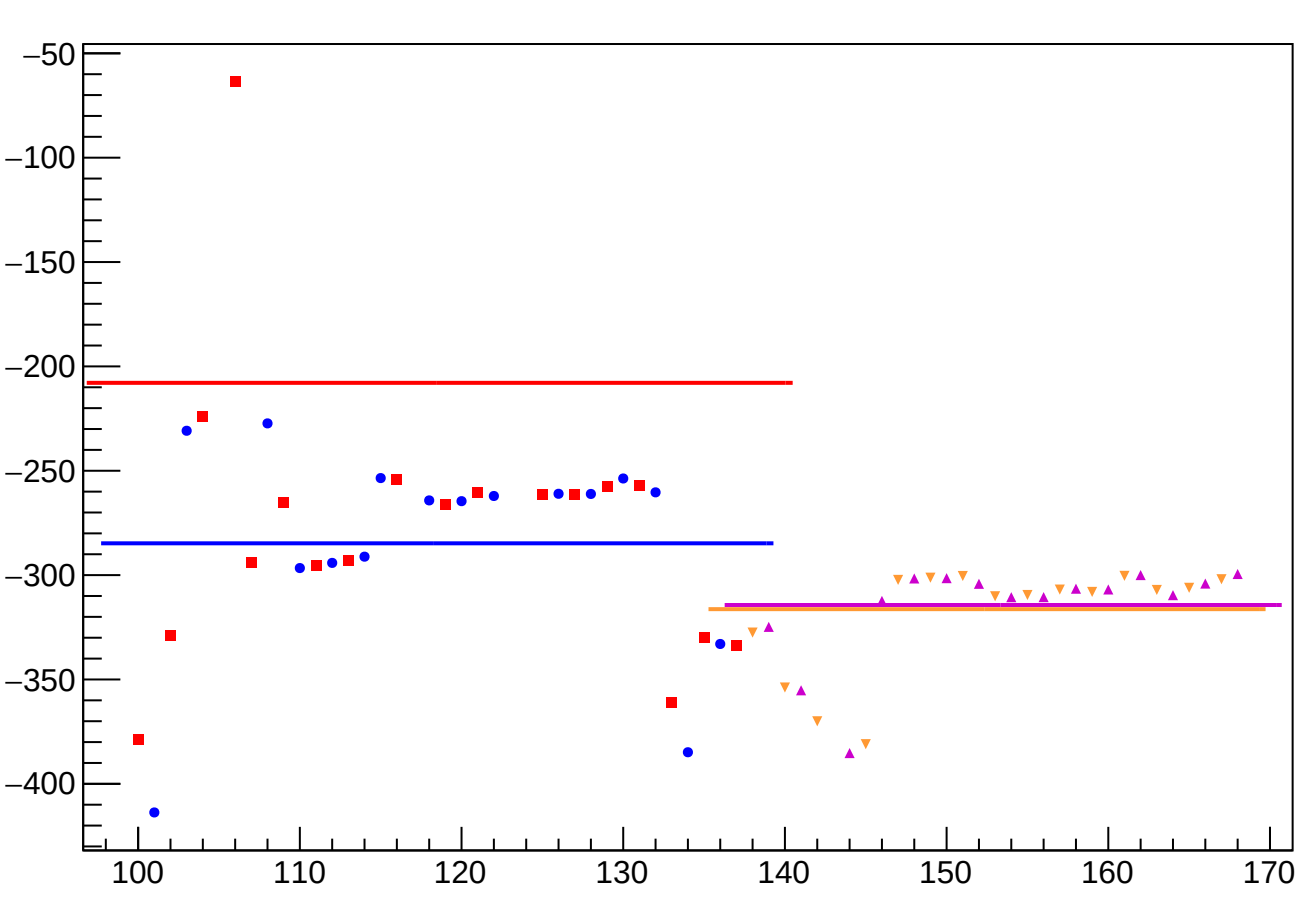
Left: 145.410+/-1.726 χ^2/NDF: 567.3/29

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 140.258+/-1.921 χ^2/NDF:516.9/30

Out: 131.935+/-1.880 χ^2/NDF:676.5/32

All: 136.008+/-1.344 χ^2/NDF: 1203.0/63



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -316.309+/-0.116 χ^2/NDF:42231.5/14

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -314.320+/-0.114 χ^2/NDF:34868.5/14

Left: -315.298+/-0.082 χ^2/NDF: 77248.6/29

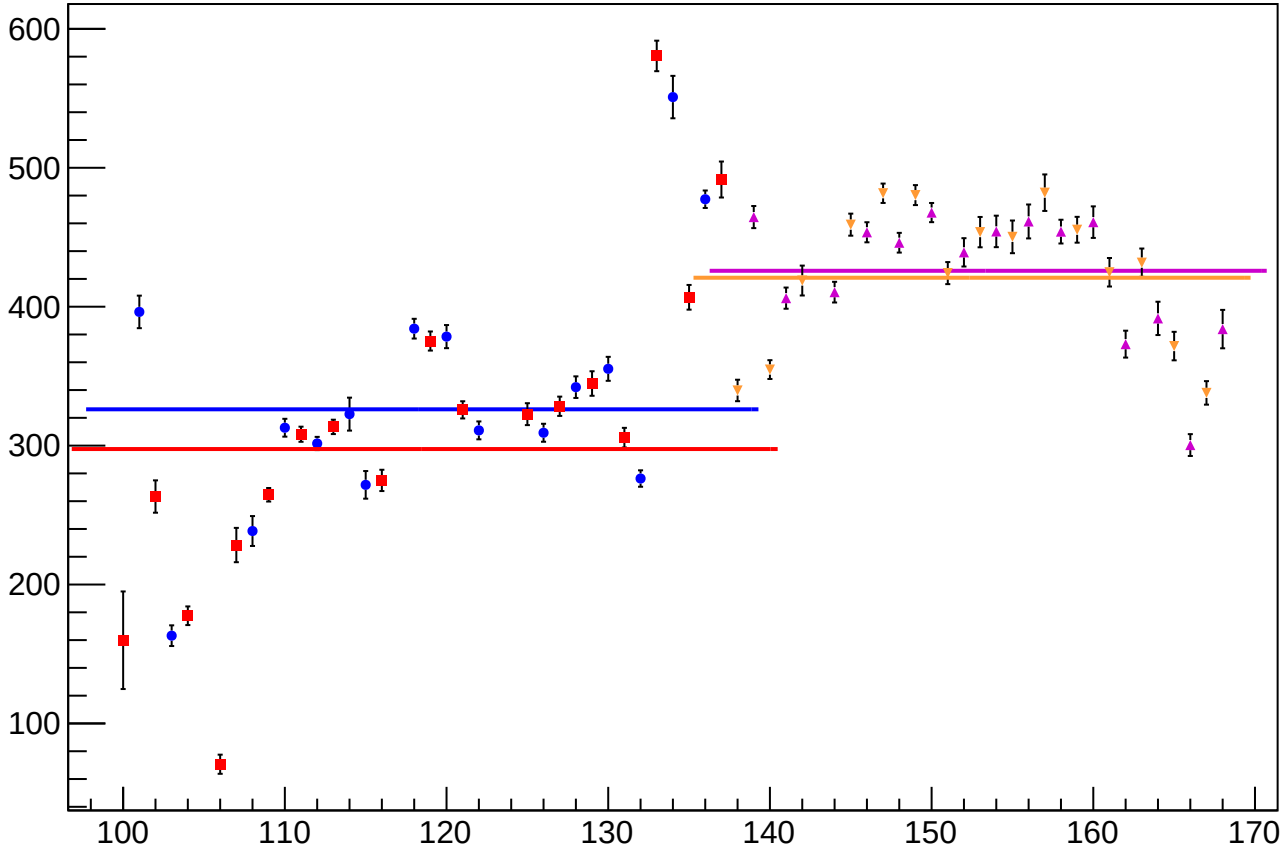
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.648+/-0.096 χ^2/NDF:158817.1/30

Out: -275.198+/-0.092 χ^2/NDF:908461.4/32

All: -289.689+/-0.066 χ^2/NDF: 1119814.3/63

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: 420.854+/-2.268 χ^2/NDF:544.6/14

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.850+/-2.261 χ^2/NDF:432.6/14

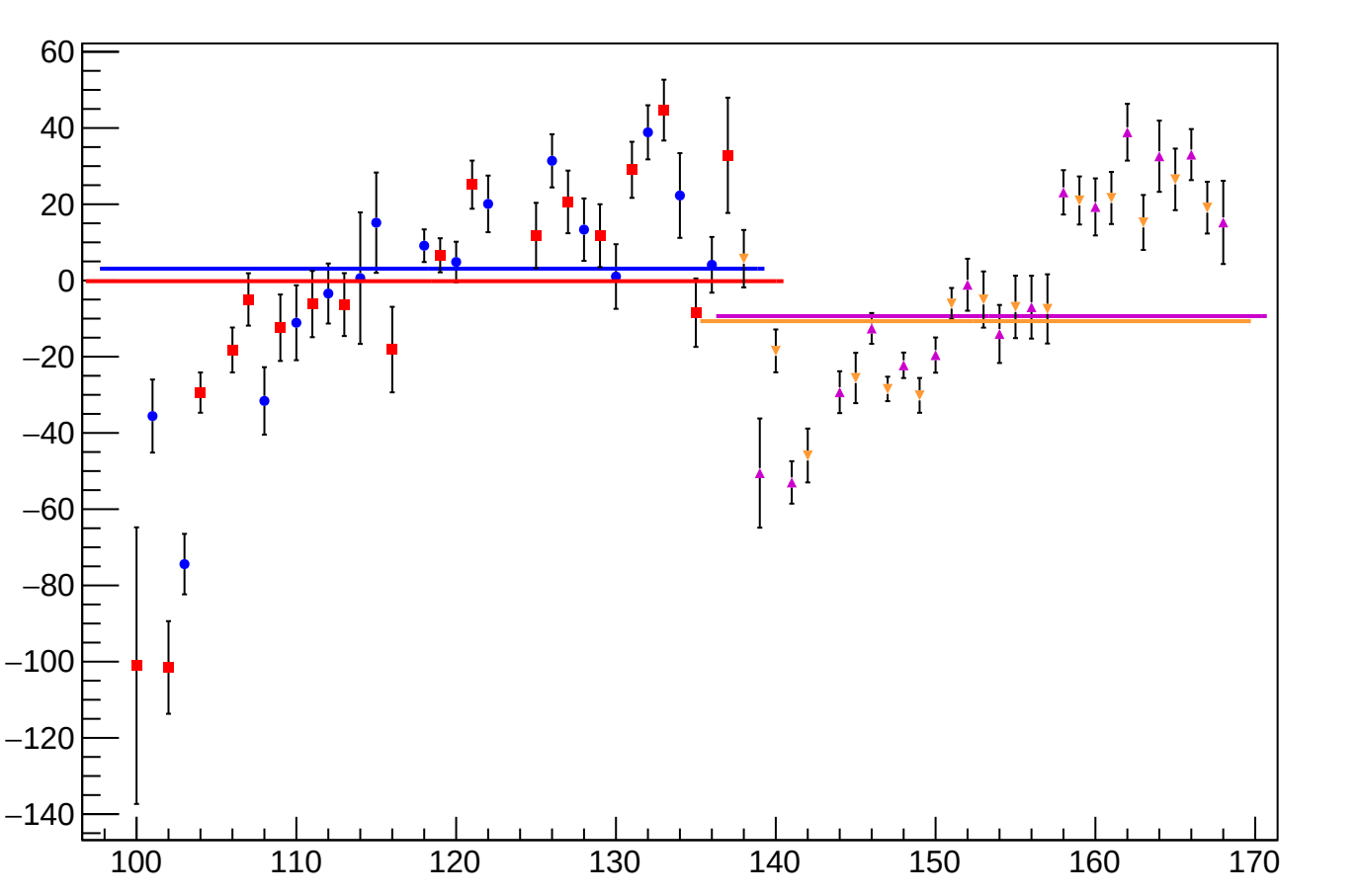
Left: 423.359+/-1.601 χ^2/NDF: 979.7/29

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 366.293+/-1.435 χ^2/NDF:3237.1/30

Out: 343.057+/-1.378 χ^2/NDF:5185.6/32

All: 354.203+/-0.994 χ^2/NDF: 8559.1/63



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -10.670+/-1.498 χ^2/NDF:188.7/14

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.351+/-1.527 χ^2/NDF:258.3/14

Left: -10.023+/-1.069 χ^2/NDF: 447.4/29

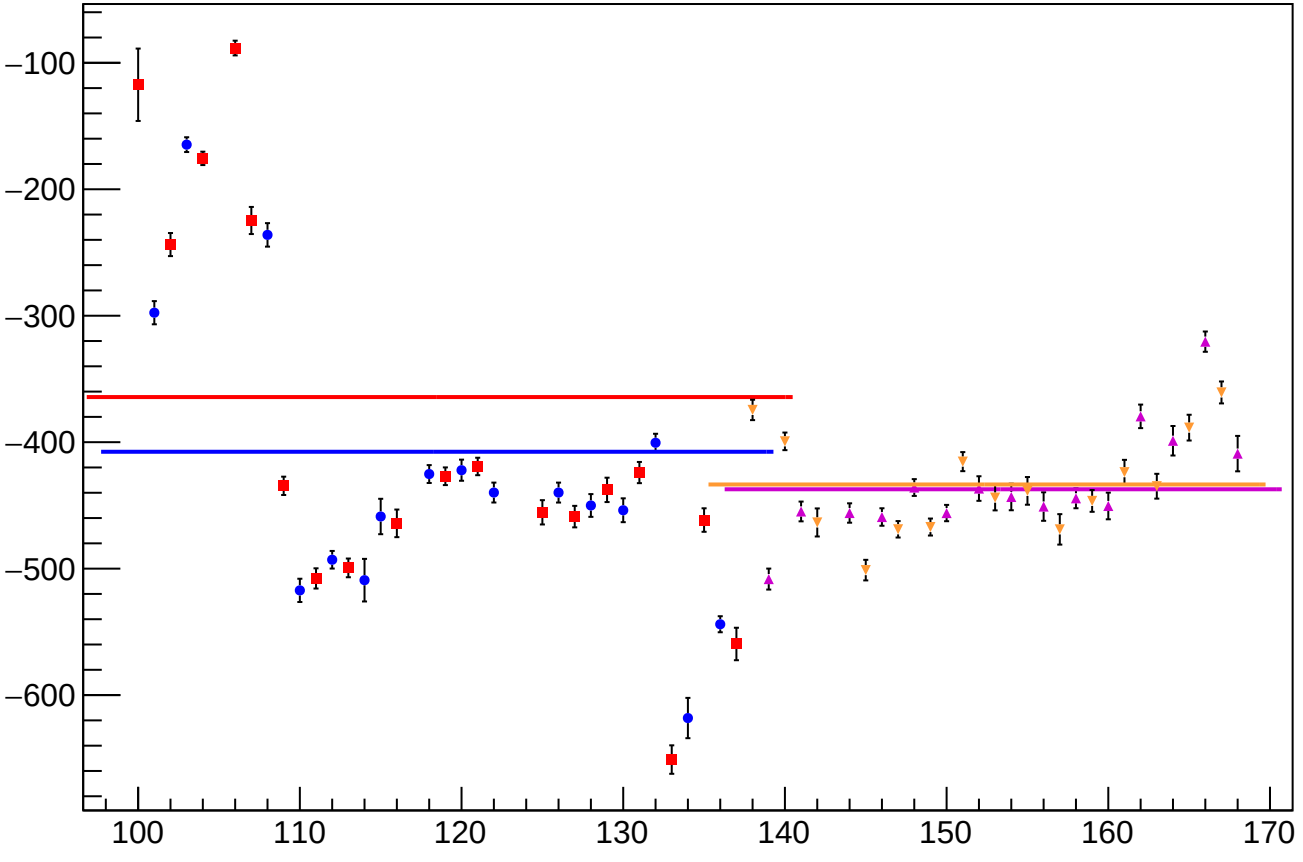
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.439+/-1.188 χ^2/NDF:469.0/30

Out: -6.352+/-1.149 χ^2/NDF:414.1/32

All: -5.428+/-0.826 χ^2/NDF: 884.5/63

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: -433.447+/-2.208 χ^2/NDF:317.7/14

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.247+/-2.194 χ^2/NDF:372.4/14

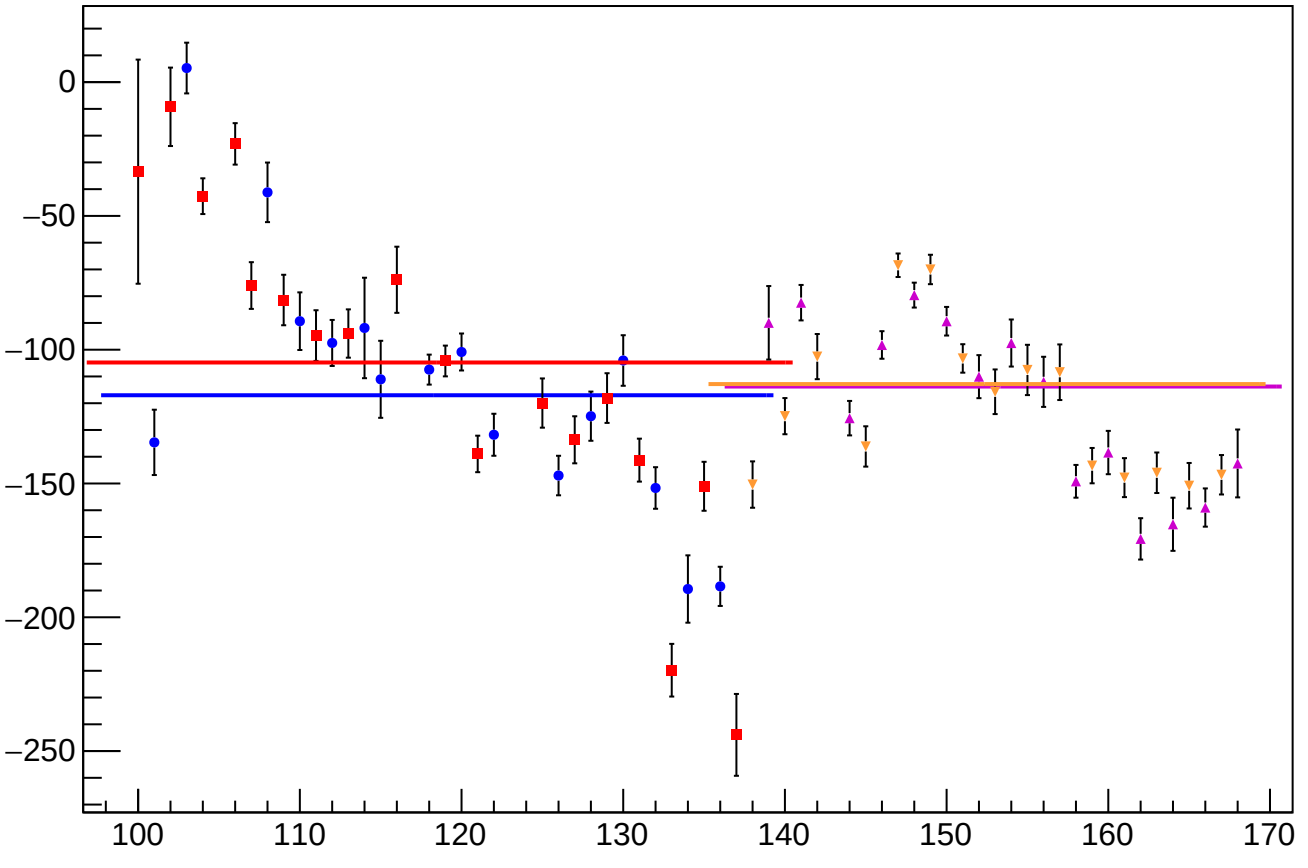
Left: -435.359+/-1.557 χ^2/NDF: 691.6/29

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -421.572+/-1.507 χ^2/NDF:3749.5/30

Out: -394.471+/-1.459 χ^2/NDF:7090.5/32

All: -407.577+/-1.048 χ^2/NDF: 11006.9/63



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.846+/-1.786 χ^2/NDF:304.2/14

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.767+/-1.809 χ^2/NDF:285.3/14

Left: -113.301+/-1.271 χ^2/NDF: 589.6/29

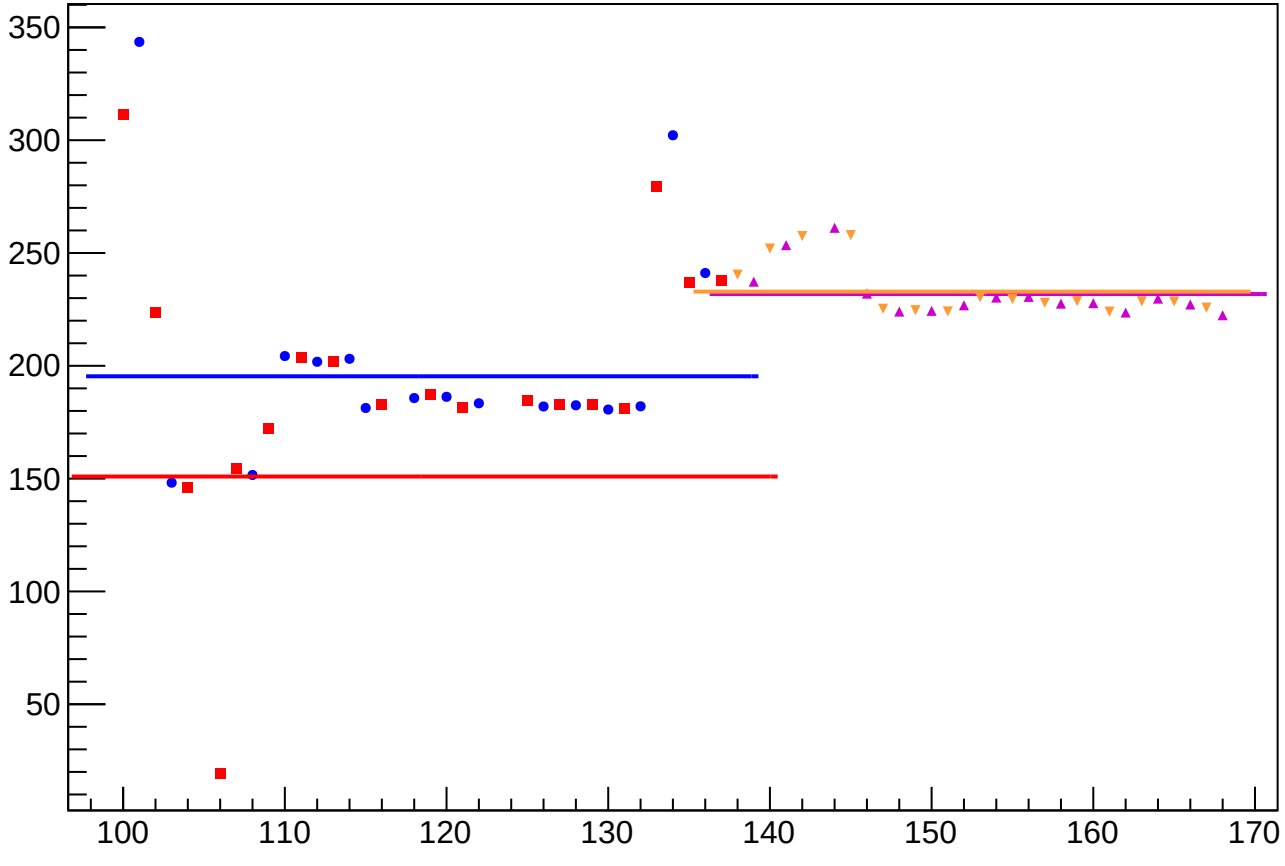
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -115.084+/-1.396 χ^2/NDF:694.4/30

Out: -109.443+/-1.358 χ^2/NDF:887.9/32

All: -112.186+/-0.973 χ^2/NDF: 1590.7/63

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: 232.886+/-0.086 χ^2/NDF:17594.5/14

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 231.805+/-0.084 χ^2/NDF:15651.6/14

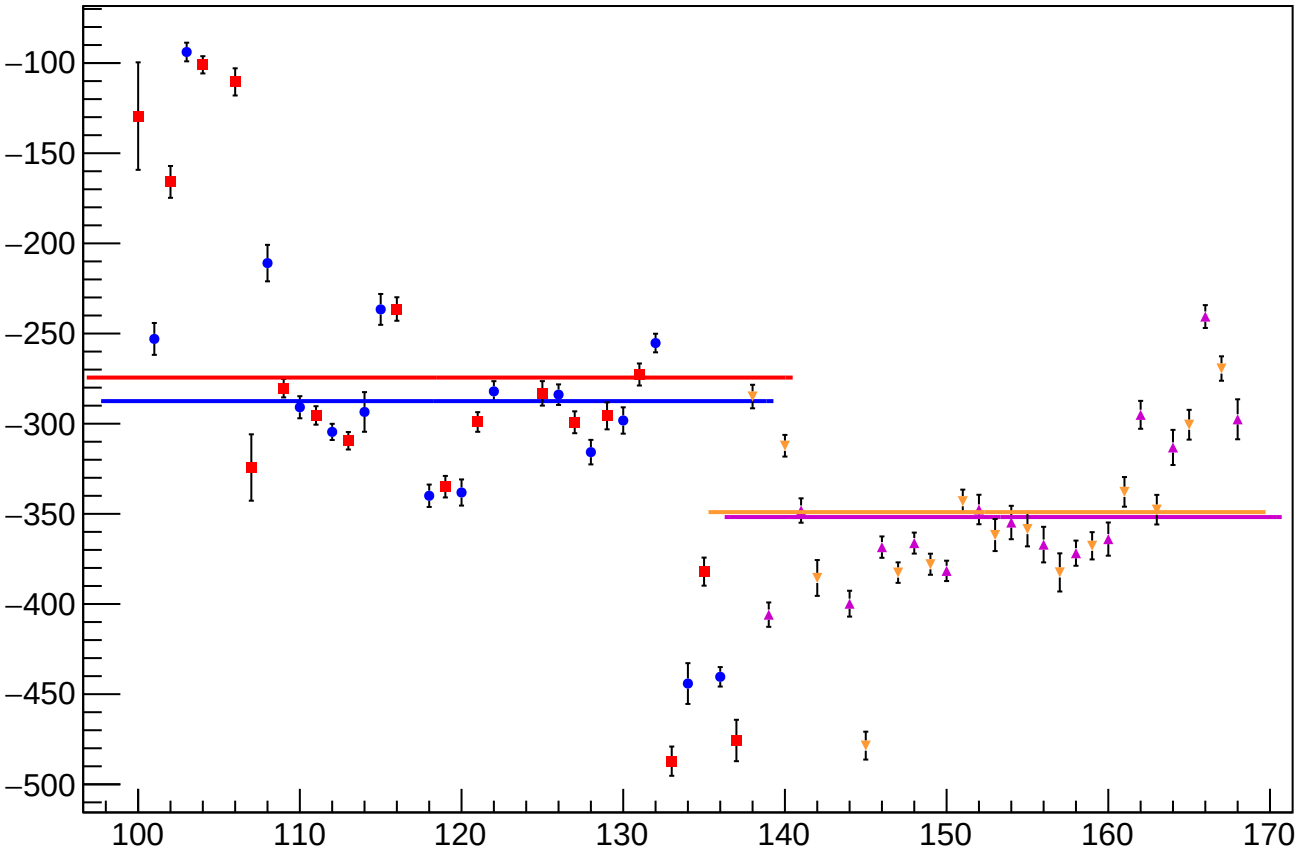
Left: 232.338+/-0.060 χ^2/NDF: 33327.1/29

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.360+/-0.070 χ^2/NDF:251322.9/30

Out: 202.043+/-0.068 χ^2/NDF:861947.4/32

All: 210.903+/-0.049 χ^2/NDF: 1148795.4/63



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.035+/-1.895 χ^2/NDF:681.7/14

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -351.776+/-1.883 χ^2/NDF:564.9/14

Left: -350.414+/-1.336 χ^2/NDF: 1247.6/29

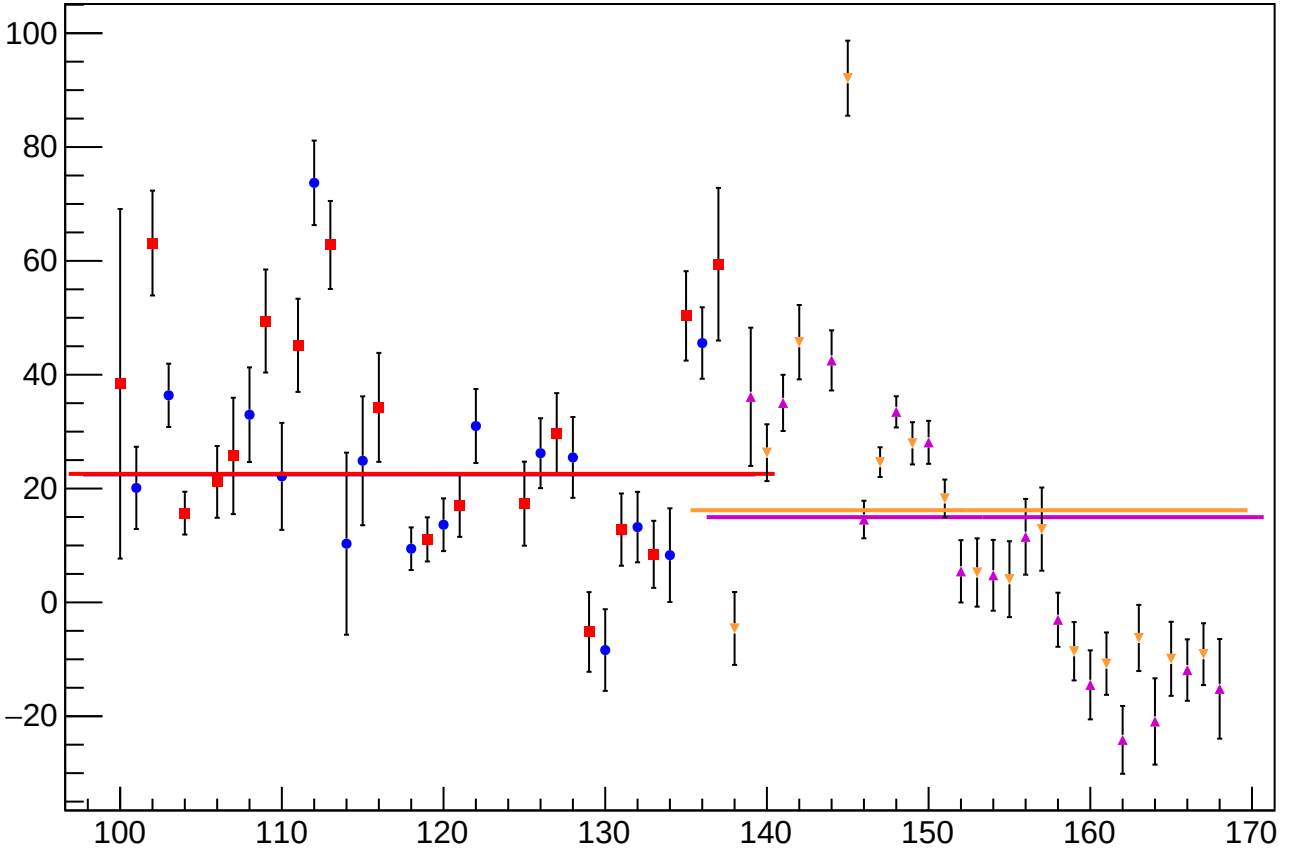
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.655+/-1.224 χ^2/NDF:3934.6/30

Out: -304.357+/-1.200 χ^2/NDF:5023.3/32

All: -309.405+/-0.857 χ^2/NDF: 8994.0/63

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: 16.194+/-1.242 χ^2/NDF:295.6/14

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 14.975+/-1.265 χ^2/NDF:250.6/14

Left: 15.596+/-0.886 χ^2/NDF: 546.7/29

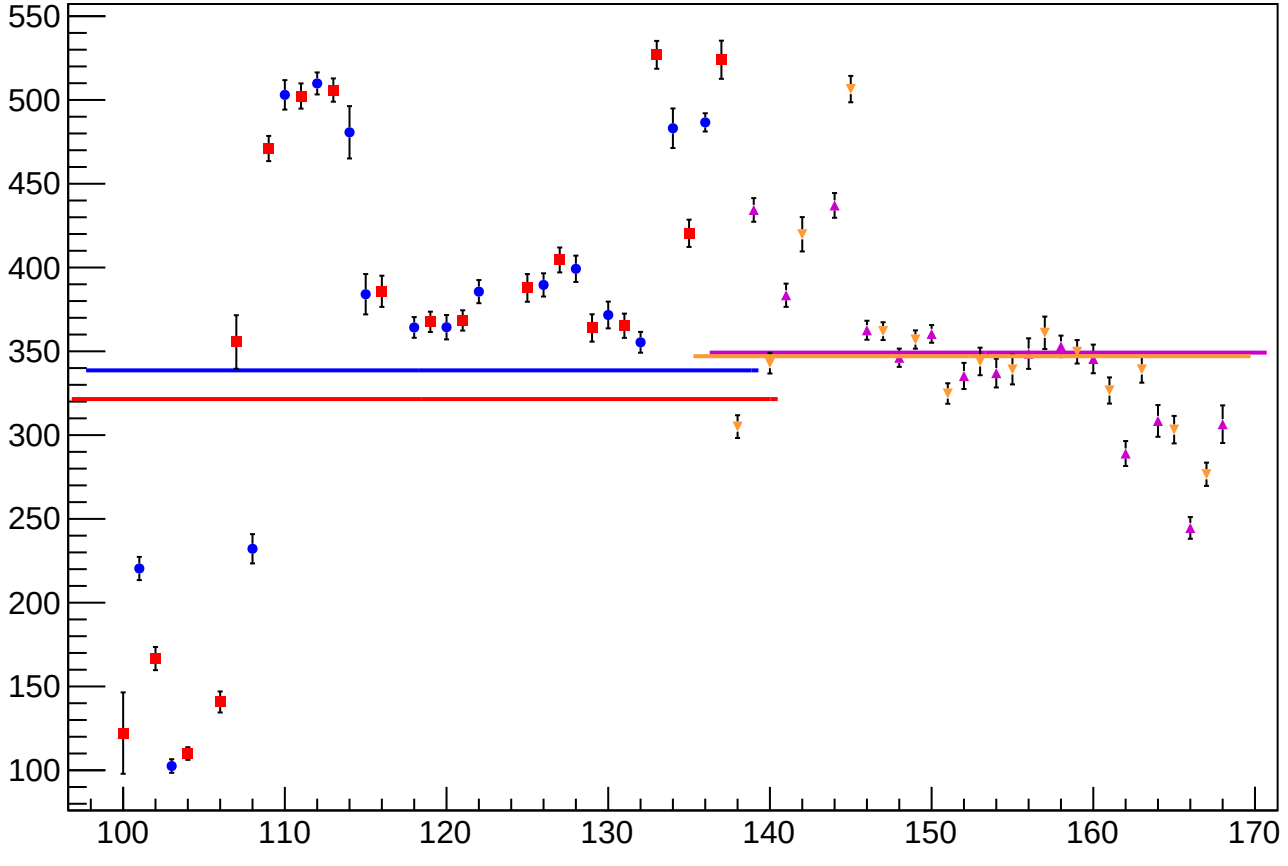
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.820+/-0.997 χ^2/NDF:375.4/30

Out: 18.652+/-0.974 χ^2/NDF:429.1/32

All: 18.246+/-0.697 χ^2/NDF: 804.9/63

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: 347.079+/-1.839 χ^2/NDF:665.6/14

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 349.234+/-1.823 χ^2/NDF:688.0/14

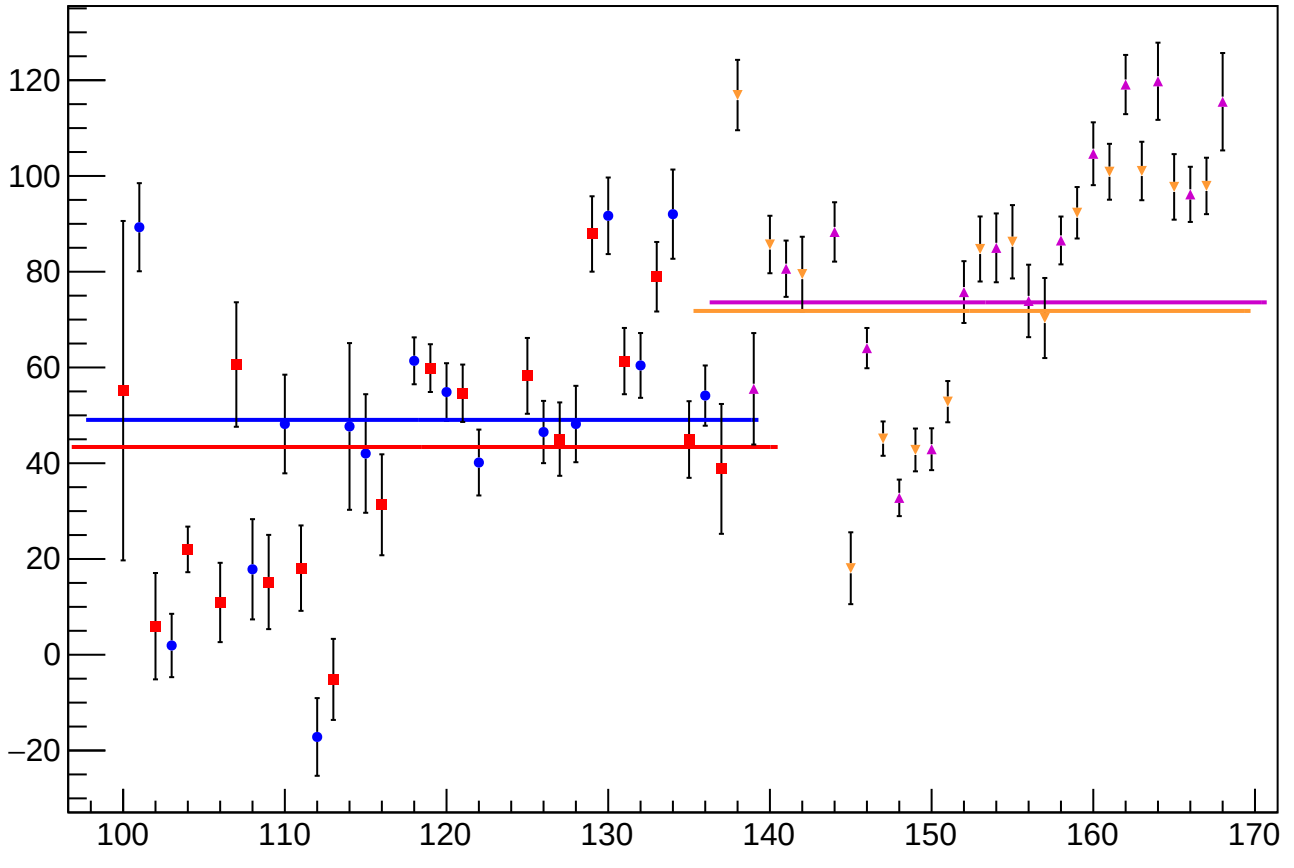
Left: 348.166+/-1.295 χ^2/NDF: 1354.3/29

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 343.712+/-1.262 χ^2/NDF:6748.3/30

Out: 333.242+/-1.246 χ^2/NDF:8491.0/32

All: 338.412+/-0.887 χ^2/NDF: 15274.1/63



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 71.808+/-1.481 χ^2/NDF:315.6/14

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.602+/-1.498 χ^2/NDF:329.4/14

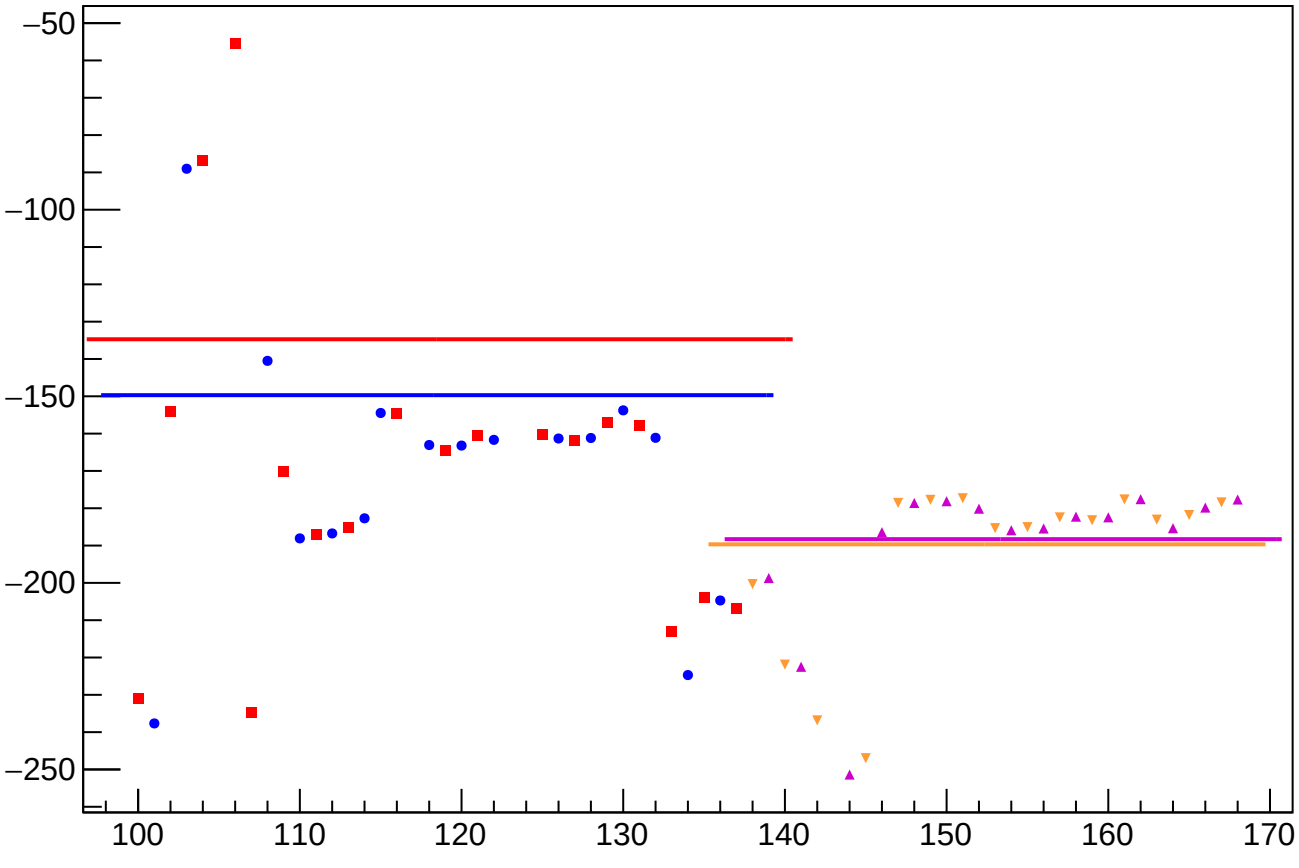
Left: 72.694+/-1.053 χ^2/NDF: 645.7/29

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 64.080+/-1.172 χ^2/NDF:641.4/30

Out: 60.594+/-1.152 χ^2/NDF:640.9/32

All: 62.307+/-0.822 χ^2/NDF: 1286.9/63



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -189.670+/-0.071 χ^2/NDF:75758.5/14

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -188.286+/-0.070 χ^2/NDF:62154.7/14

Left: -188.966+/-0.050 χ^2/NDF: 138106.8/29

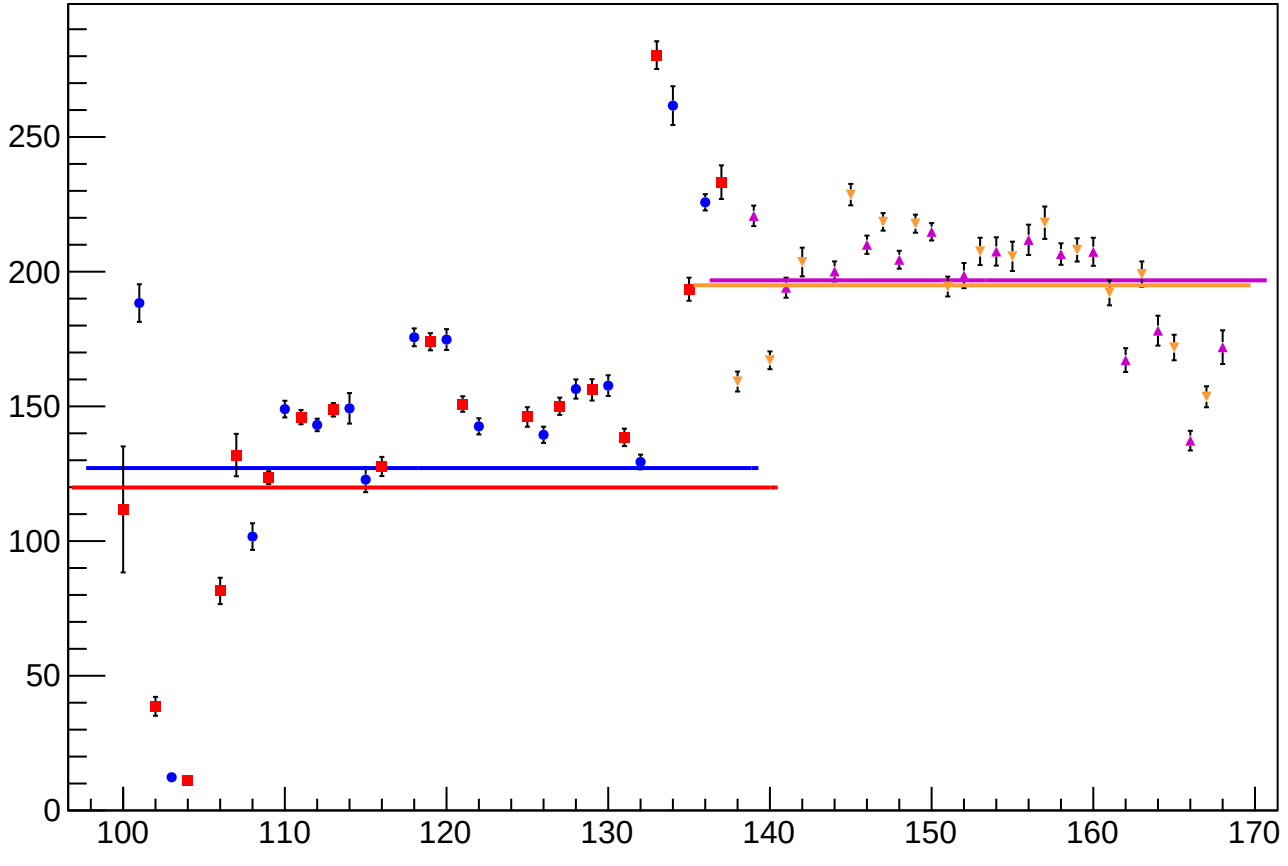
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.800+/-0.057 χ^2/NDF:417717.0/30

Out: -170.510+/-0.057 χ^2/NDF:597487.9/32

All: -173.152+/-0.041 χ^2/NDF: 1019464.8/63

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: 194.958+/-1.069 χ^2/NDF:508.6/14

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 196.789+/-1.063 χ^2/NDF:451.1/14

Left: 195.879+/-0.754 χ^2/NDF: 961.2/29

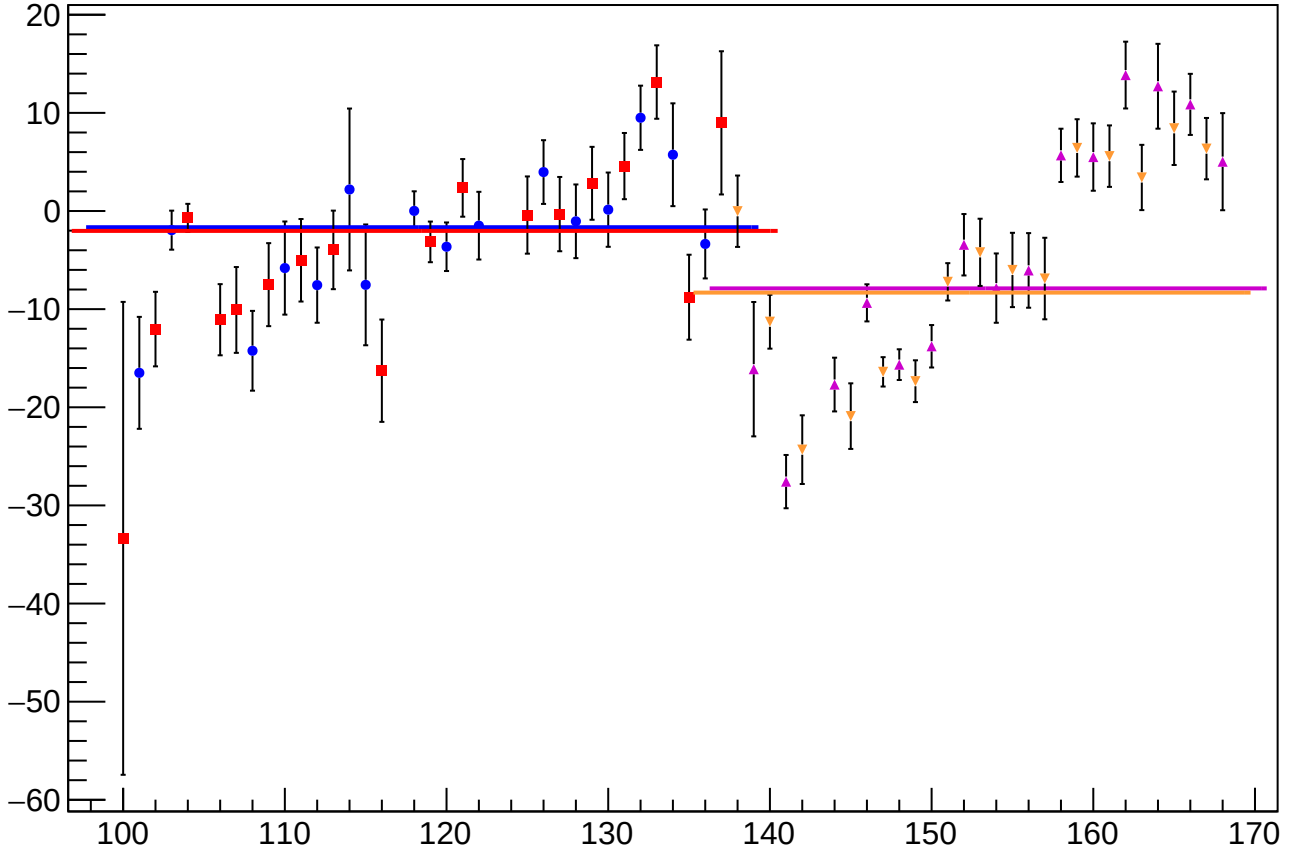
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.721+/-0.645 χ^2/NDF:9330.3/30

Out: 145.702+/-0.627 χ^2/NDF:10391.4/32

All: 149.114+/-0.450 χ^2/NDF: 19782.6/63

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: -8.314+/-0.704 χ^2/NDF:190.4/14

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.886+/-0.716 χ^2/NDF:248.5/14

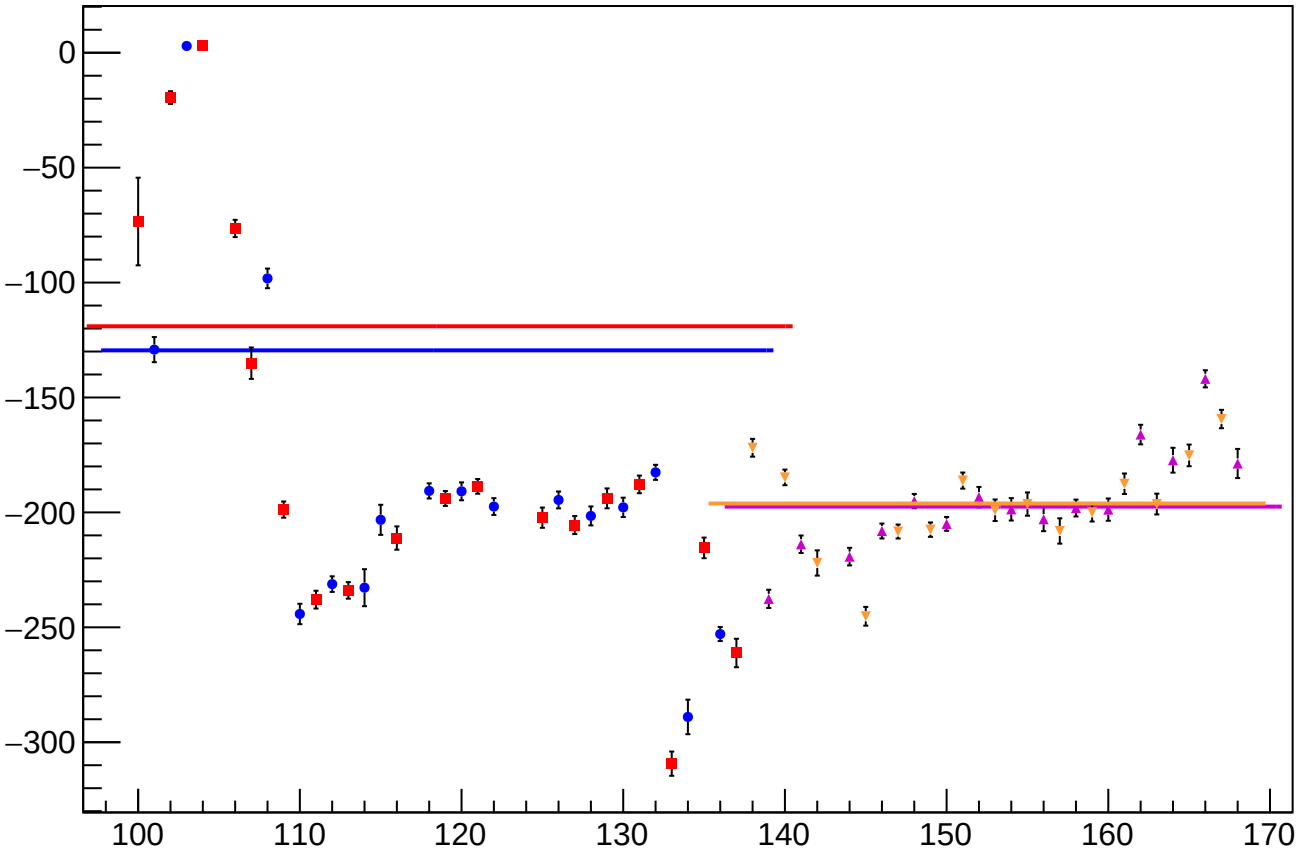
Left: -8.104+/-0.502 χ^2/NDF: 439.1/29

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.234+/-0.543 χ^2/NDF:319.8/30

Out: -5.453+/-0.520 χ^2/NDF:285.3/32

All: -5.348+/-0.375 χ^2/NDF: 605.2/63



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -196.124+/-1.040 χ^2/NDF:369.2/14

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.482+/-1.031 χ^2/NDF:472.8/14

Left: -196.809+/-0.732 χ^2/NDF: 842.8/29

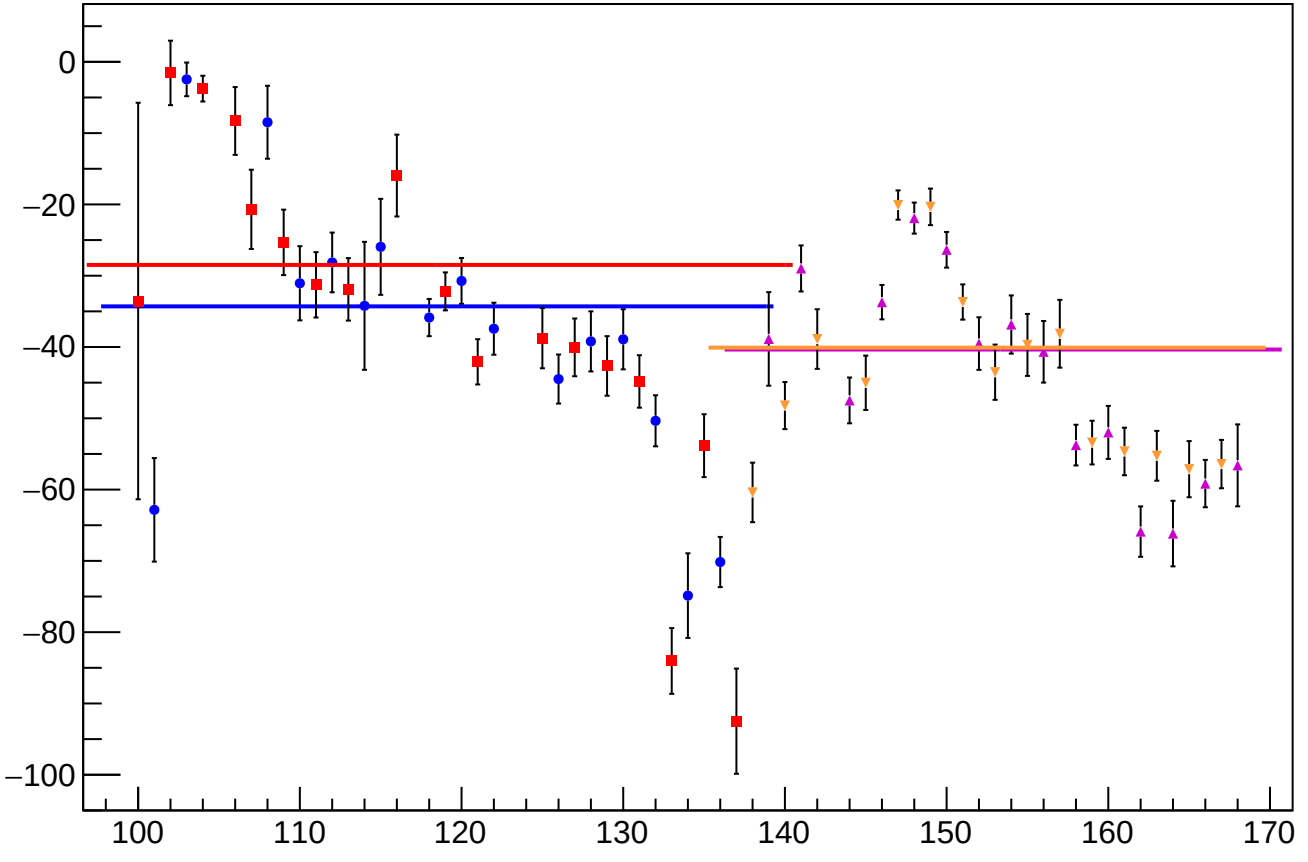
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.880+/-0.654 χ^2/NDF:17759.3/30

Out: -148.275+/-0.640 χ^2/NDF:19960.5/32

All: -152.485+/-0.458 χ^2/NDF: 37808.2/63

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: -40.088+/-0.839 χ^2/NDF:292.1/14

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.354+/-0.849 χ^2/NDF:284.4/14

Left: -40.219+/-0.596 χ^2/NDF: 576.5/29

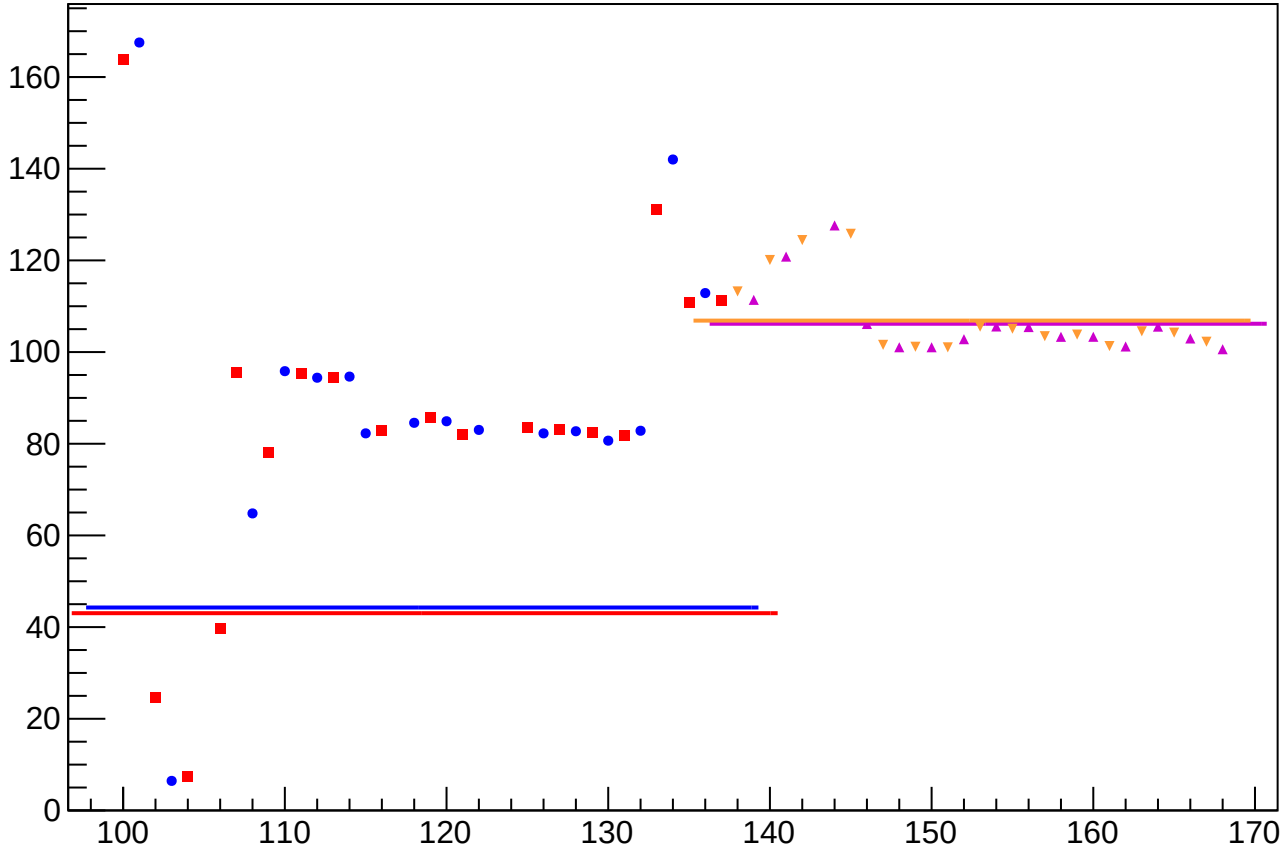
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.723+/-0.638 χ^2/NDF:717.8/30

Out: -34.740+/-0.616 χ^2/NDF:948.3/32

All: -36.179+/-0.443 χ^2/NDF: 1677.4/63

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: 106.863+/-0.040 χ^2/NDF:37977.2/14

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.179+/-0.039 χ^2/NDF:32575.4/14

Left: 106.515+/-0.028 χ^2/NDF: 70700.1/29

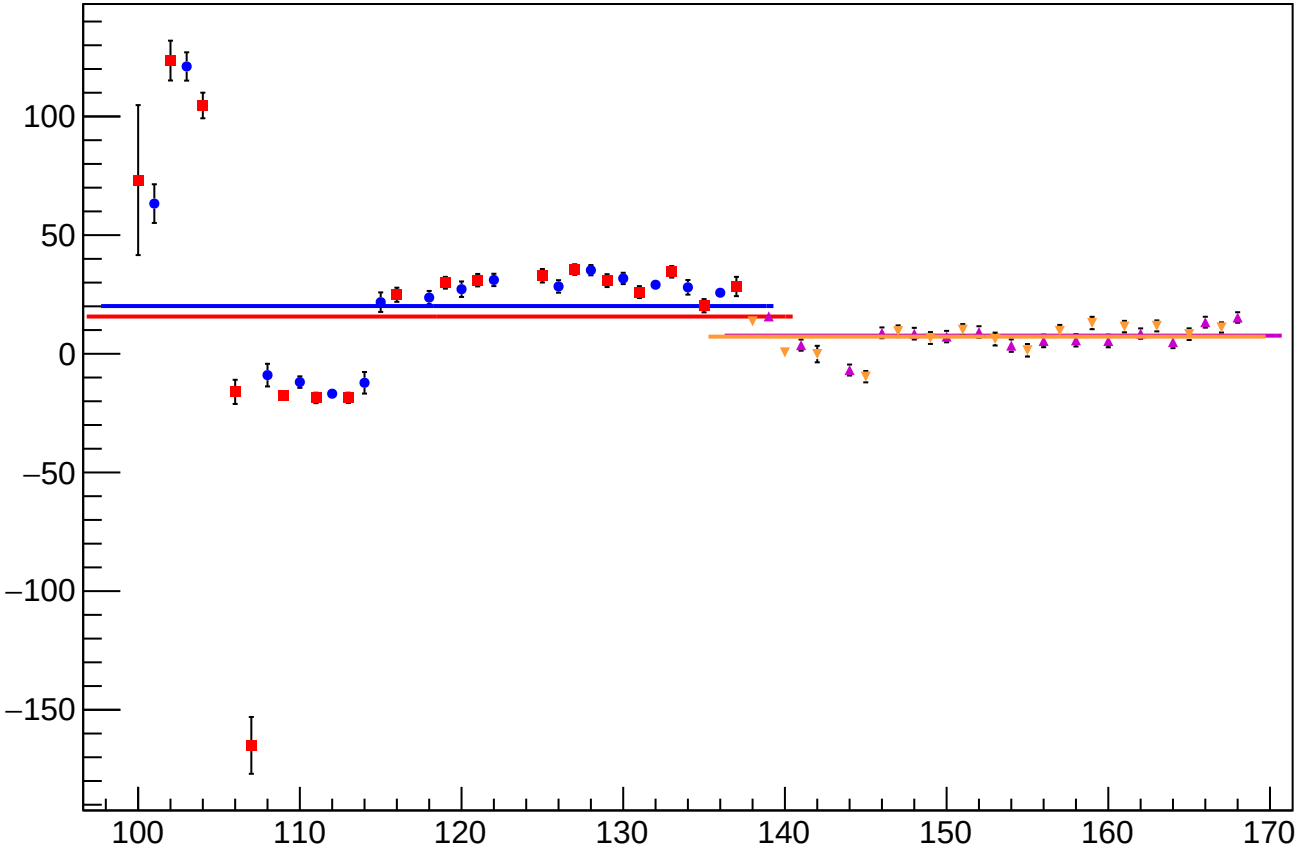
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 79.206+/-0.030 χ^2/NDF:2188315.1/30

Out: 78.590+/-0.030 χ^2/NDF:1962018.3/32

All: 78.901+/-0.021 χ^2/NDF: 4150546.3/63

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: 7.232+/-0.628 χ^2/NDF:97.0/14

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 7.651+/-0.615 χ^2/NDF:83.4/14

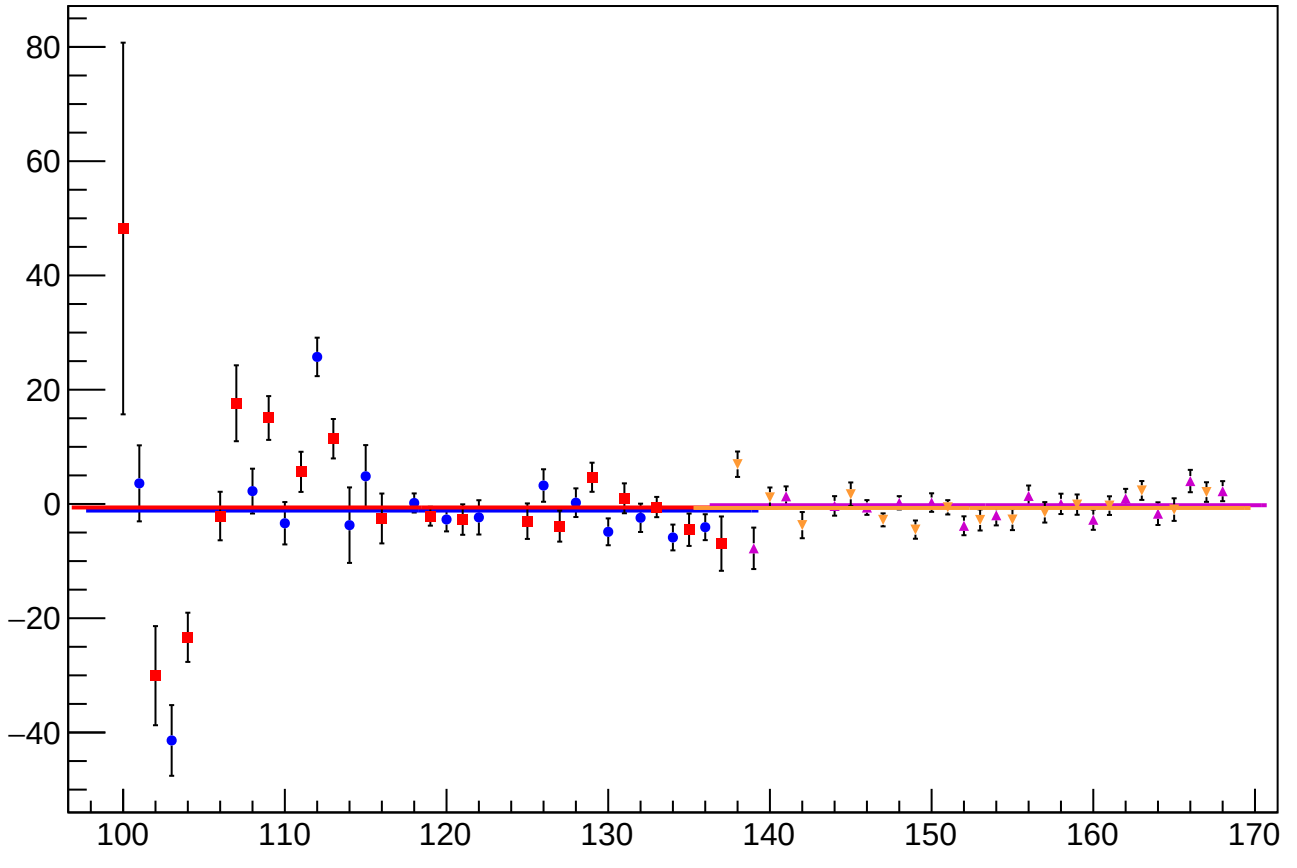
Left: 7.446+/-0.439 χ^2/NDF: 180.6/29

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.195+/-0.458 χ^2/NDF:1314.3/30

Out: 11.116+/-0.462 χ^2/NDF:1954.3/32

All: 12.164+/-0.325 χ^2/NDF: 3278.8/63



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.699+/-0.434 χ^2/NDF:34.0/14

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.220+/-0.435 χ^2/NDF:21.7/14

Left: -0.460+/-0.307 χ^2/NDF: 56.3/29

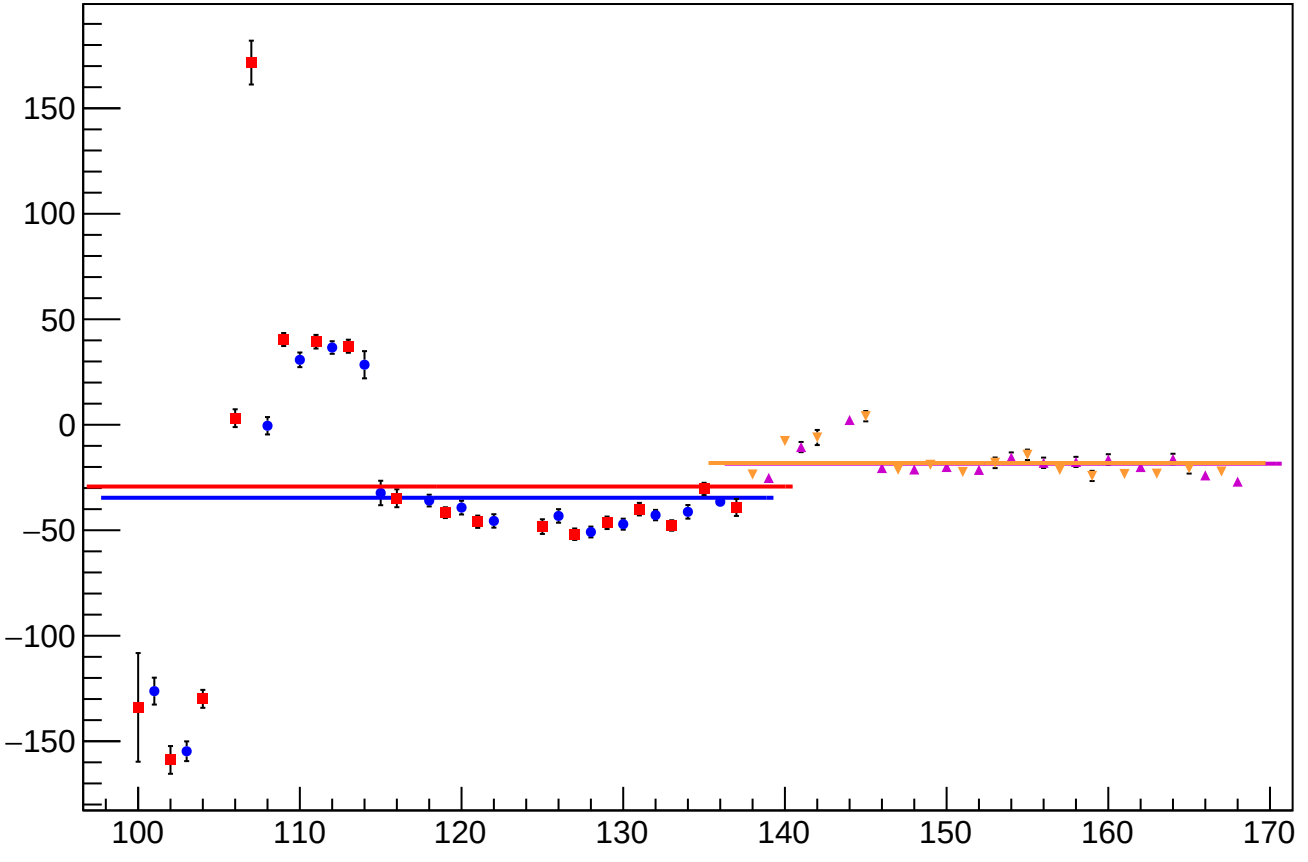
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.480+/-0.369 χ^2/NDF:144.9/30

Out: -0.676+/-0.371 χ^2/NDF:127.4/32

All: -0.577+/-0.262 χ^2/NDF: 272.4/63

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -18.128+/-0.611 χ^2/NDF:155.1/14

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -18.446+/-0.598 χ^2/NDF:125.0/14

Left: -18.291+/-0.427 χ^2/NDF: 280.3/29

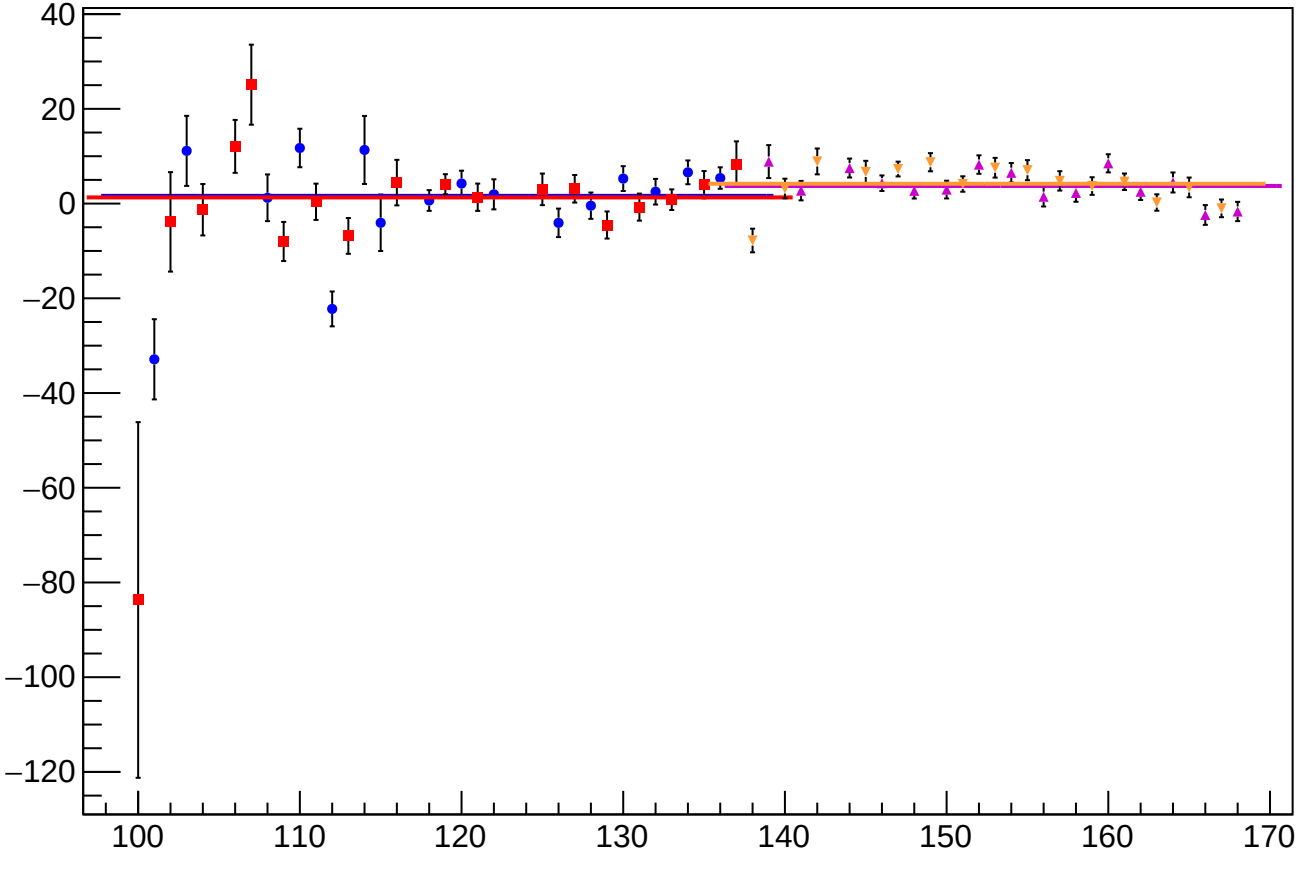
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.365+/-0.476 χ^2/NDF:2450.9/30

Out: -22.235+/-0.485 χ^2/NDF:3358.9/32

All: -23.321+/-0.340 χ^2/NDF: 5819.6/63

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.186+/-0.504 χ^2/NDF:54.8/14

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.718+/-0.504 χ^2/NDF:38.3/14

Left: 3.952+/-0.357 χ^2/NDF: 93.5/29

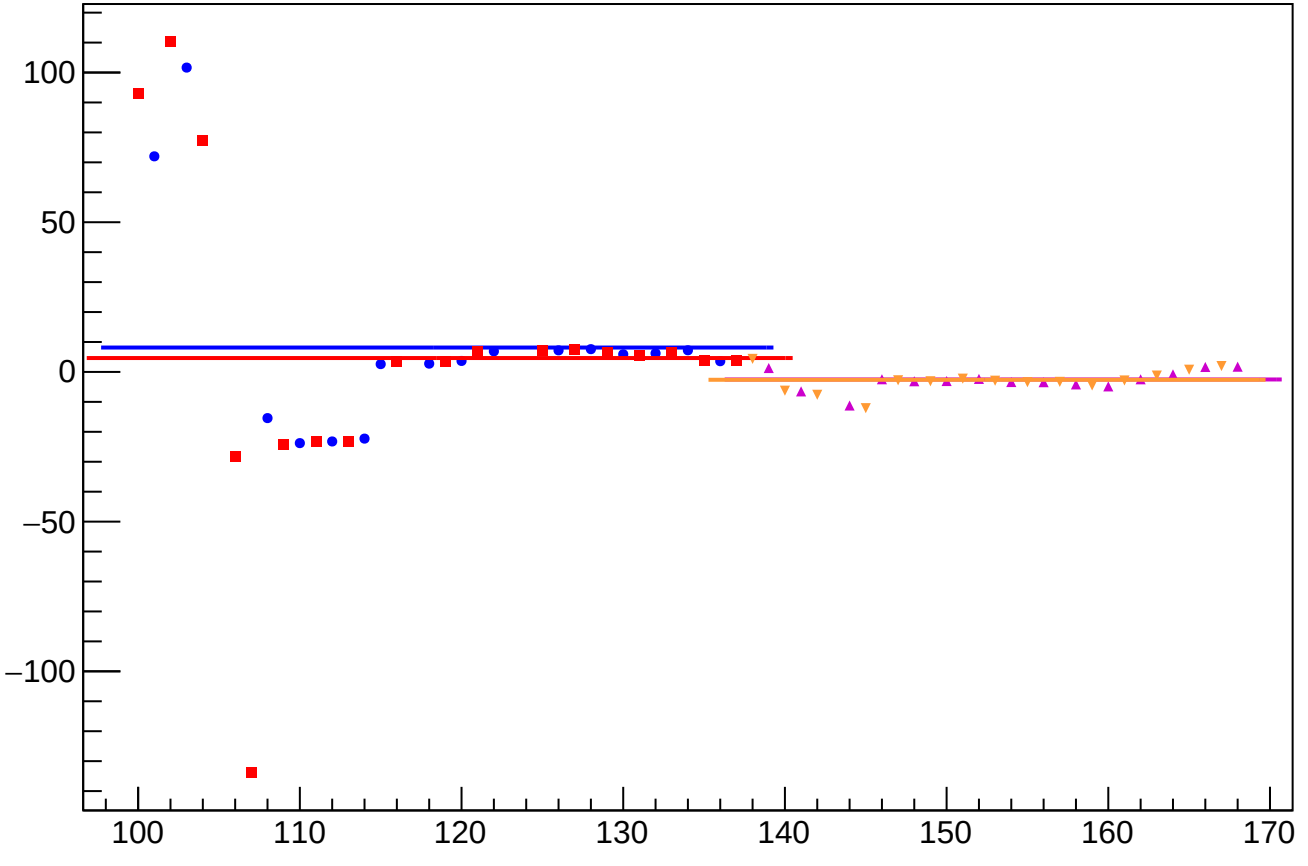
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.121+/-0.426 χ^2/NDF:126.5/30

Out: 3.388+/-0.429 χ^2/NDF:101.4/32

All: 3.254+/-0.302 χ^2/NDF: 228.0/63

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: -2.622+/-0.023 χ^2/NDF:24693.4/14

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.518+/-0.022 χ^2/NDF:17809.2/14

Left: -2.569+/-0.016 χ^2/NDF: 42513.3/29

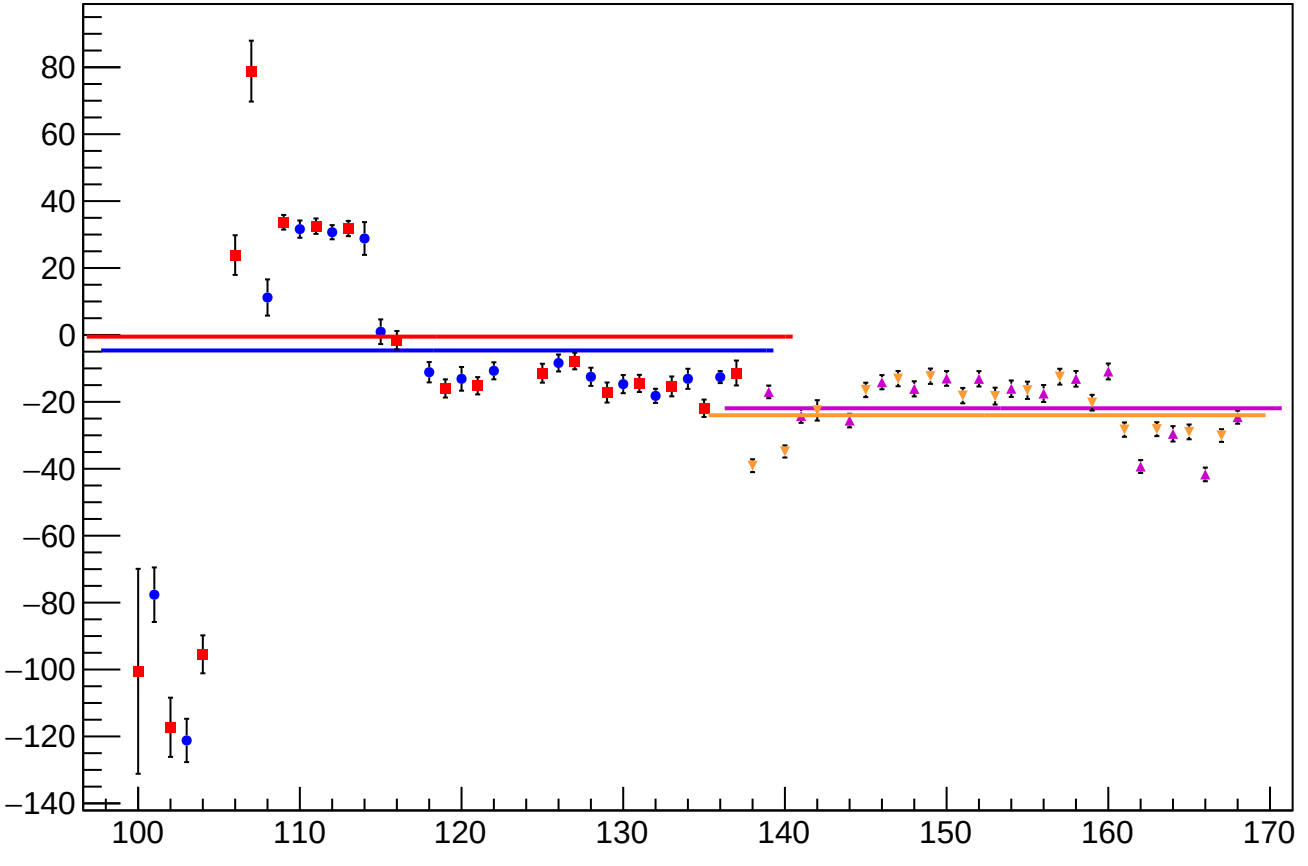
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.647+/-0.020 χ^2/NDF:371235.0/30

Out: -1.432+/-0.021 χ^2/NDF:487997.0/32

All: -1.027+/-0.015 χ^2/NDF: 859958.9/63

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.000+/-0.572 χ^2/NDF:227.8/14

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.922+/-0.559 χ^2/NDF:293.8/14

Left: -22.939+/-0.400 χ^2/NDF: 528.4/29

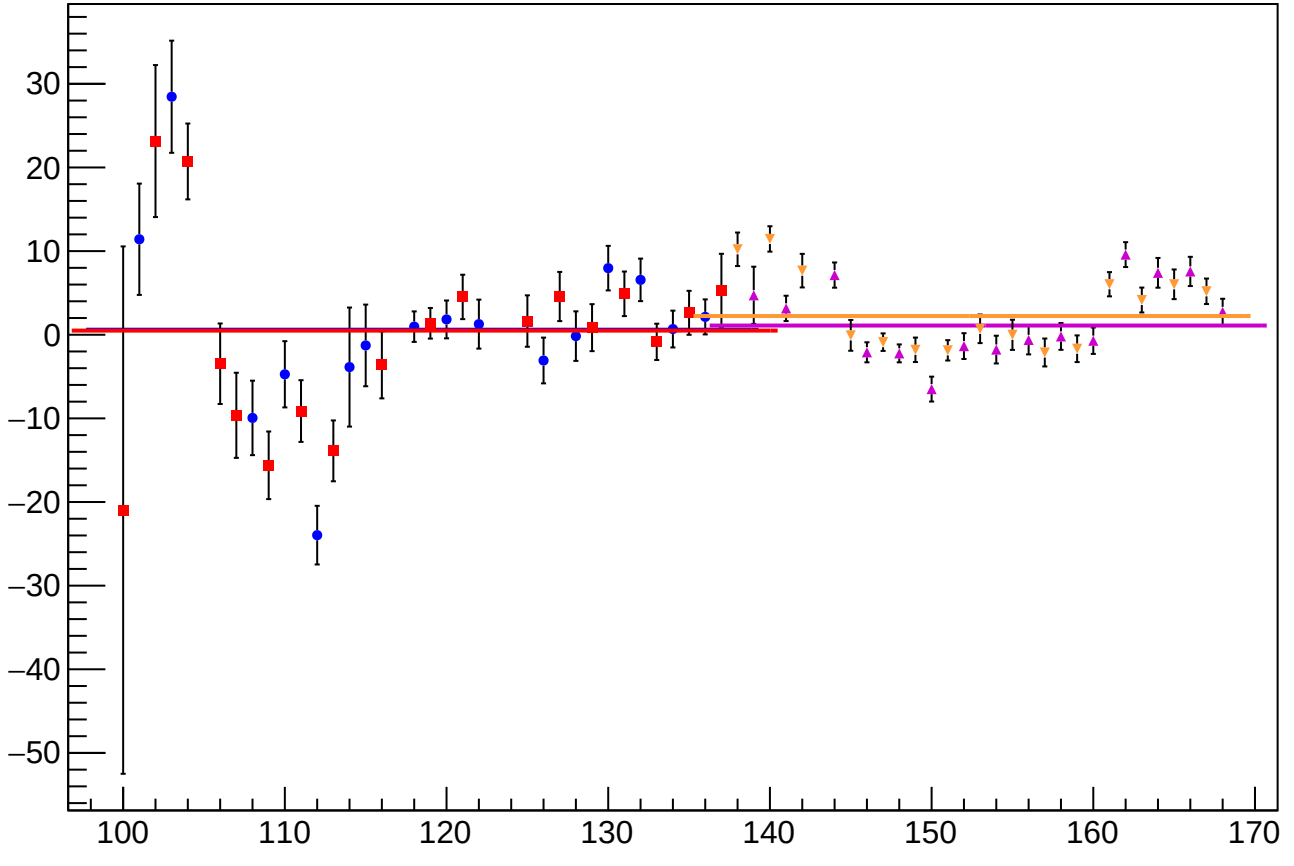
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -15.323+/-0.440 χ^2/NDF:1704.7/30

Out: -14.775+/-0.445 χ^2/NDF:2349.1/32

All: -15.052+/-0.313 χ^2/NDF: 4054.6/63

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: 2.238+/-0.397 χ^2/NDF:121.5/14

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.100+/-0.395 χ^2/NDF:130.2/14

Left: 1.667+/-0.280 χ^2/NDF: 255.8/29

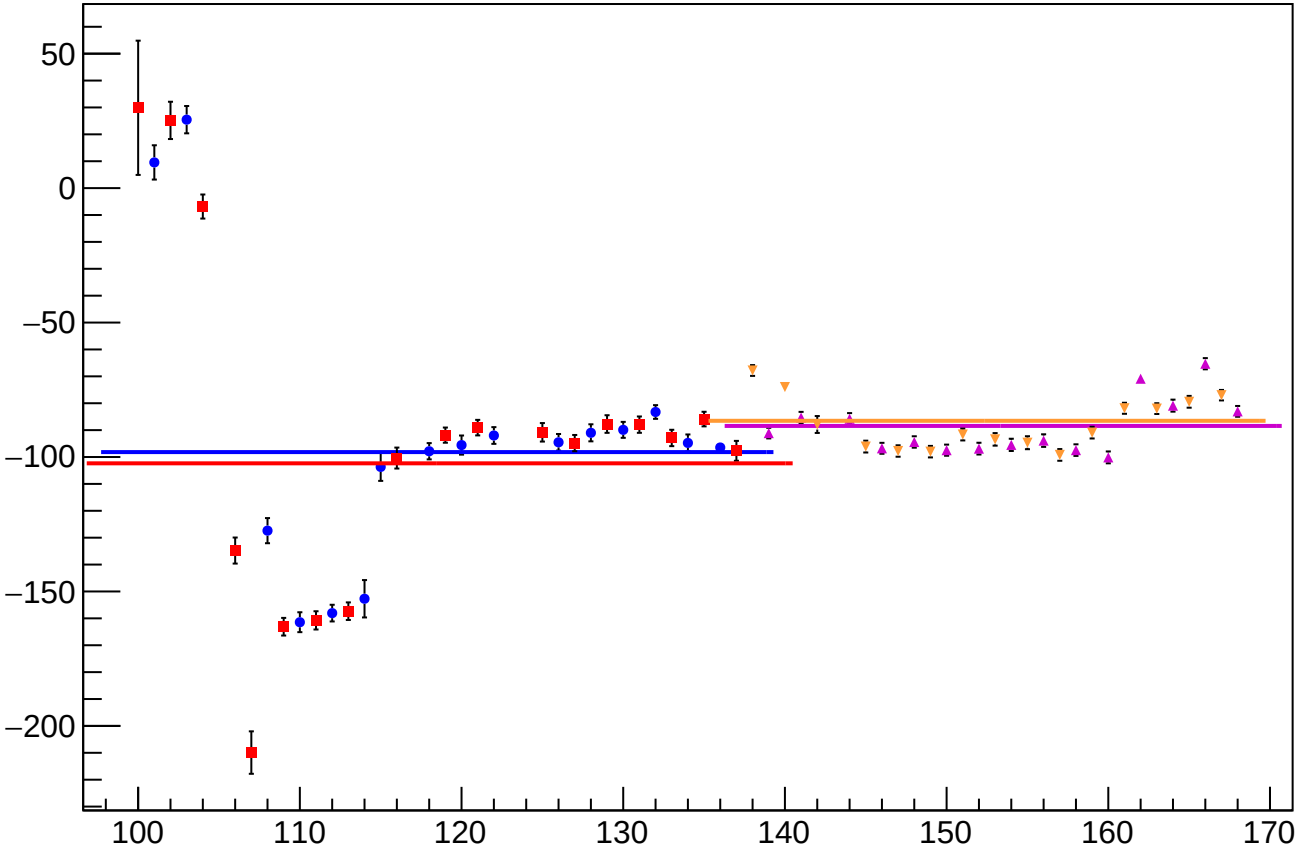
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.986+/-0.347 χ^2/NDF:223.4/30

Out: 1.861+/-0.351 χ^2/NDF:205.8/32

All: 1.419+/-0.247 χ^2/NDF: 432.4/63

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: -86.529+/-0.557 χ^2/NDF:315.8/14

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.439+/-0.544 χ^2/NDF:355.7/14

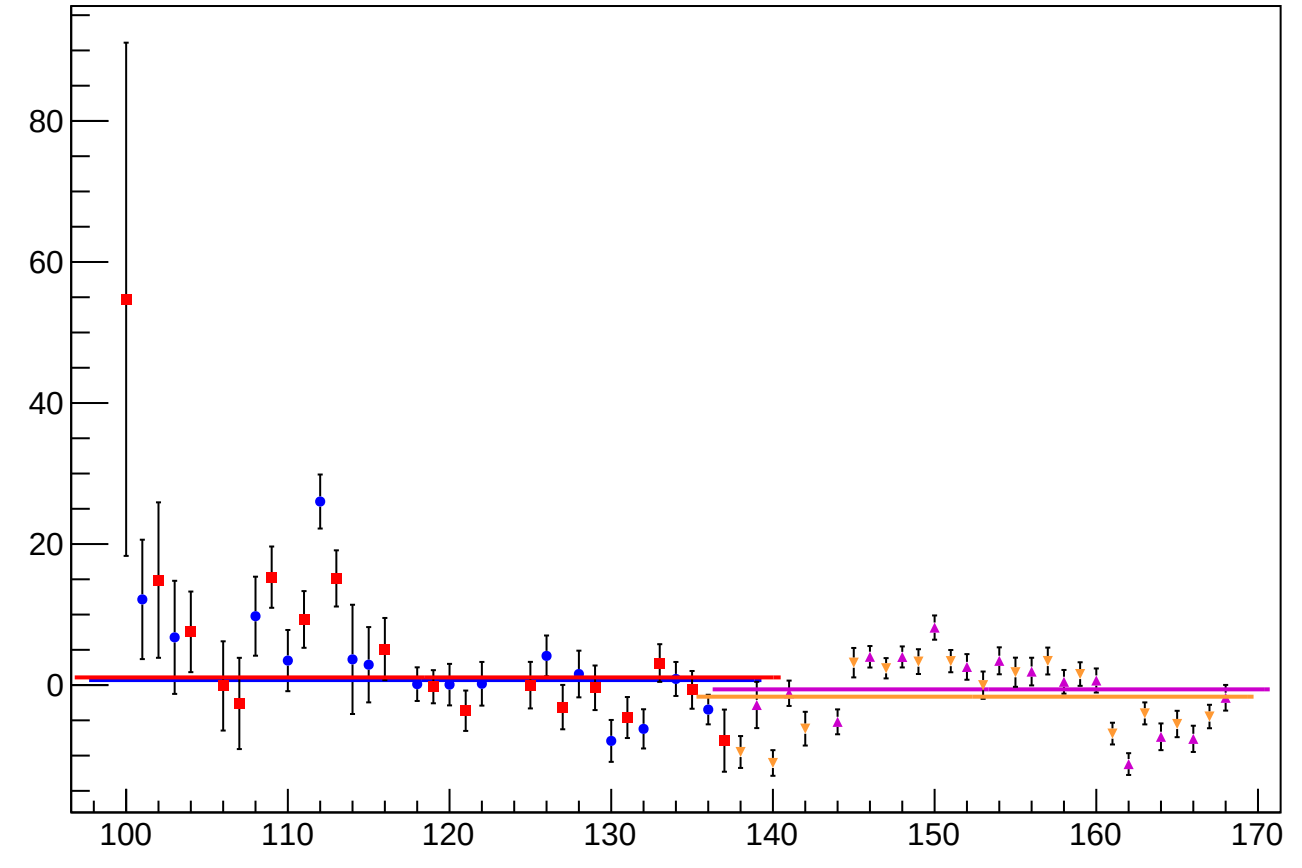
Left: -87.506+/-0.389 χ^2/NDF: 677.6/29

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -91.451+/-0.452 χ^2/NDF:2154.6/30

Out: -91.385+/-0.464 χ^2/NDF:2681.0/32

All: -91.419+/-0.324 χ^2/NDF: 4835.6/63



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.646+/-0.460 χ^2/NDF:109.0/14

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.606+/-0.458 χ^2/NDF:136.5/14

Left: -1.124+/-0.325 χ^2/NDF: 248.1/29

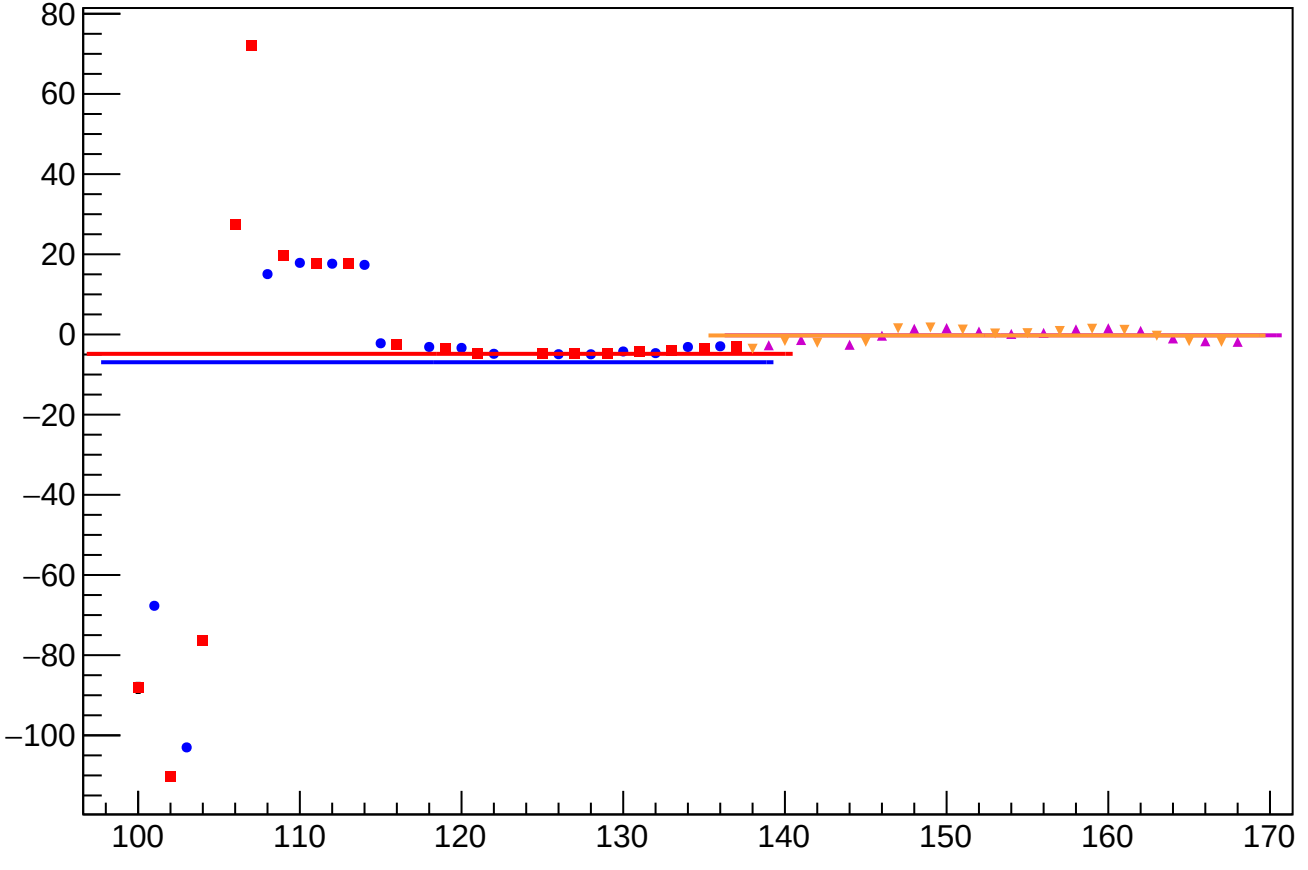
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -0.293+/-0.400 χ^2/NDF:208.1/30

Out: -1.034+/-0.405 χ^2/NDF:164.6/32

All: -0.659+/-0.285 χ^2/NDF: 374.3/63

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.246+/-0.021 χ^2/NDF:5686.5/14

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.211+/-0.020 χ^2/NDF:5232.7/14

Left: -0.228+/-0.015 χ^2/NDF: 10920.6/29

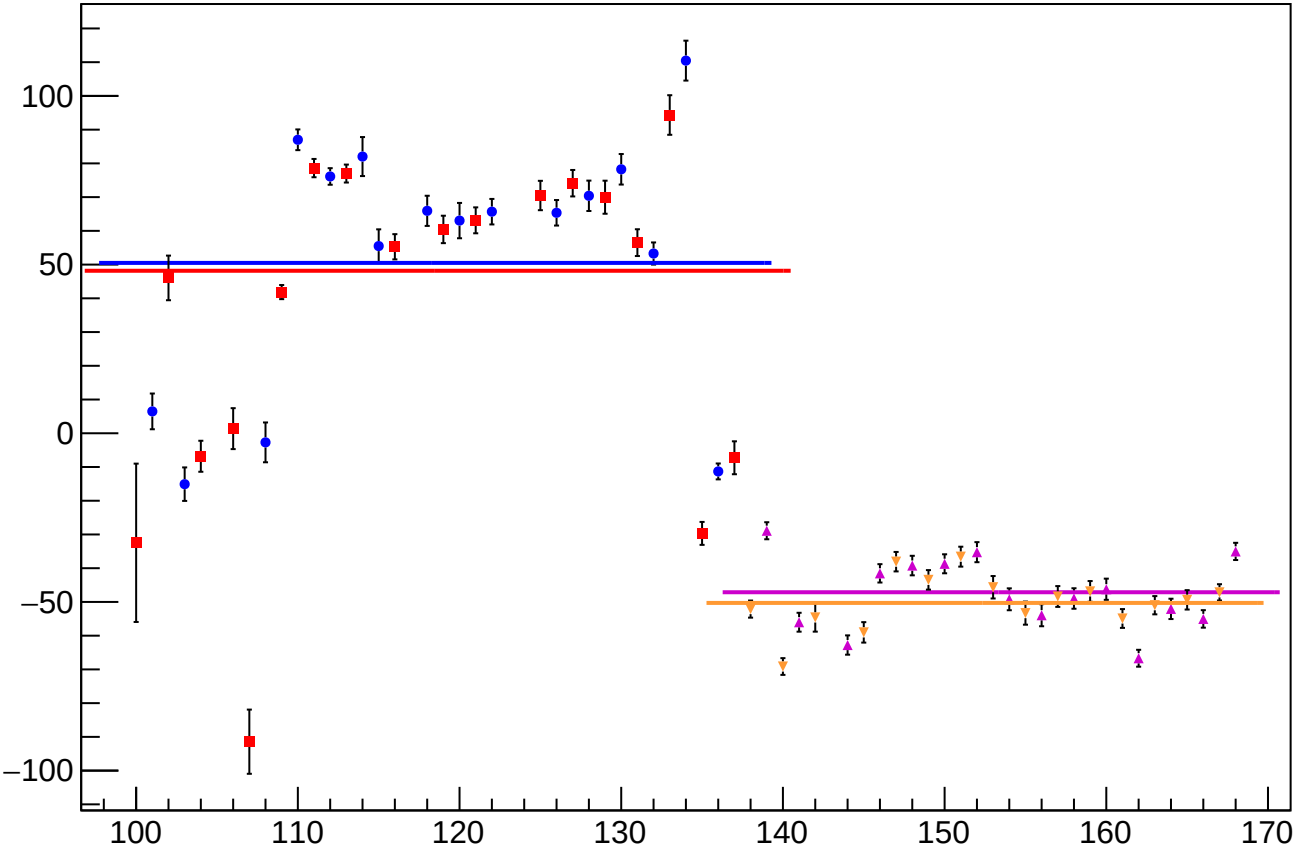
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.216+/-0.019 χ^2/NDF:286707.3/30

Out: -0.868+/-0.019 χ^2/NDF:351572.0/32

All: -1.048+/-0.014 χ^2/NDF: 638444.2/63

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: -50.290+/-0.749 χ^2/NDF:121.6/14

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.126+/-0.731 χ^2/NDF:229.5/14

Left: -48.670+/-0.523 χ^2/NDF: 360.3/29

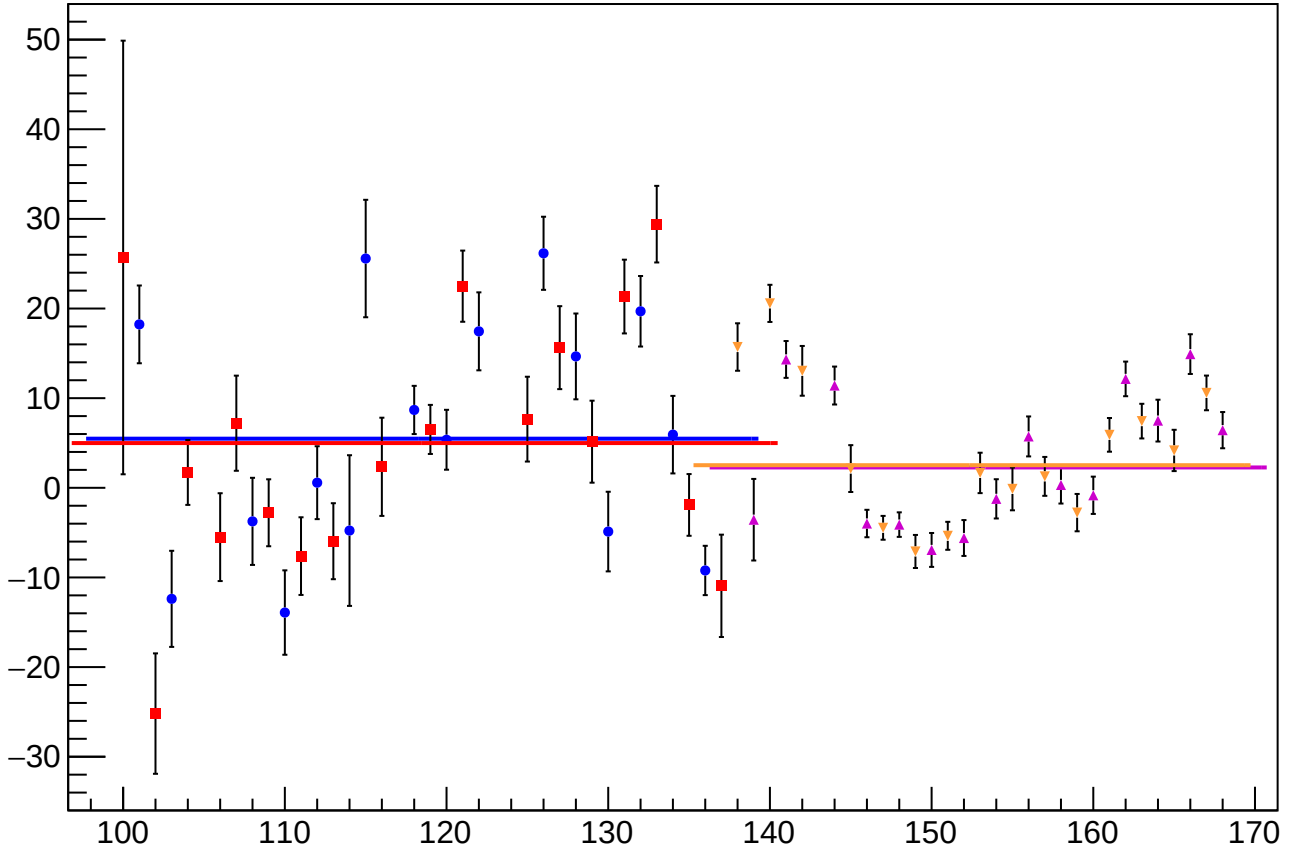
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -11.538+/-0.583 χ^2/NDF:8233.0/30

Out: -10.743+/-0.579 χ^2/NDF:8580.6/32

All: -11.138+/-0.411 χ^2/NDF: 16814.5/63

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: 2.522+/-0.517 χ^2/NDF:231.2/14

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.270+/-0.515 χ^2/NDF:208.3/14

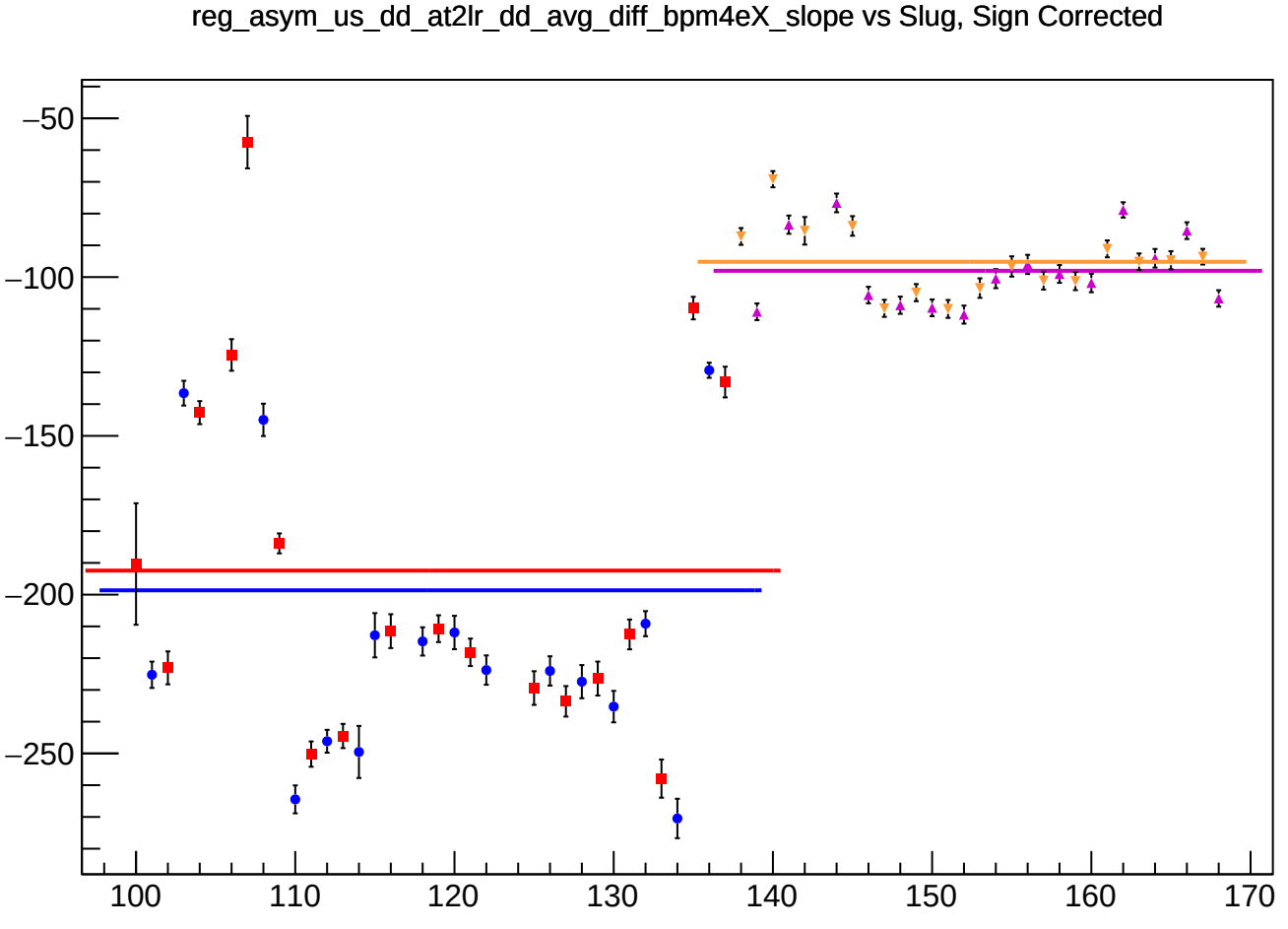
Left: 2.395+/-0.365 χ^2/NDF: 439.6/29

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.921+/-0.460 χ^2/NDF:354.4/30

Out: 3.024+/-0.461 χ^2/NDF:367.7/32

All: 2.972+/-0.326 χ^2/NDF: 722.1/63



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.178+/-0.729 χ^2/NDF:220.9/14

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.017+/-0.711 χ^2/NDF:272.5/14

Left: -96.633+/-0.509 χ^2/NDF: 501.2/29

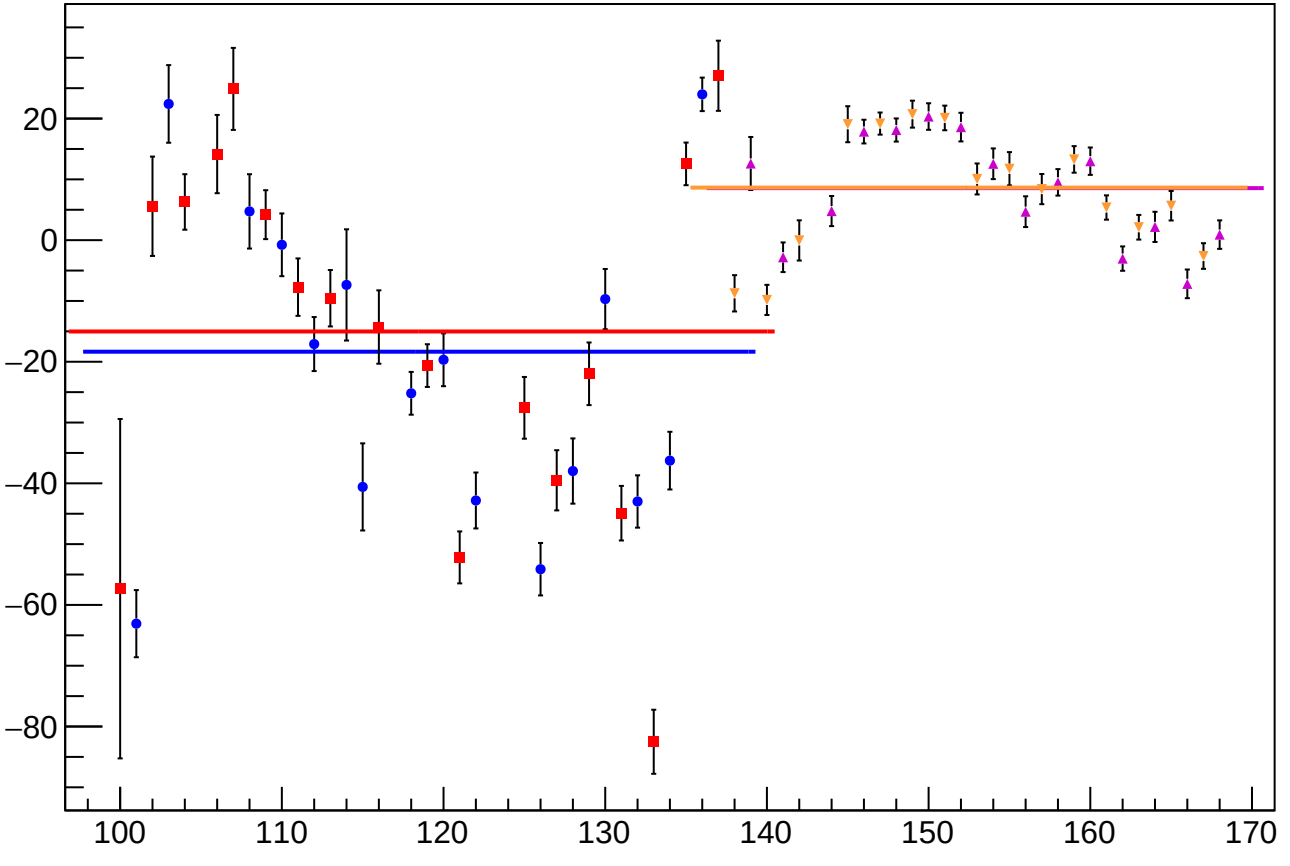
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -128.289+/-0.594 χ^2/NDF:8306.0/30

Out: -125.625+/-0.604 χ^2/NDF:7932.2/32

All: -126.979+/-0.424 χ^2/NDF: 16248.1/63

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: 8.645+/-0.600 χ^2/NDF:253.0/14

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.559+/-0.597 χ^2/NDF:224.2/14

Left: 8.601+/-0.423 χ^2/NDF: 477.2/29

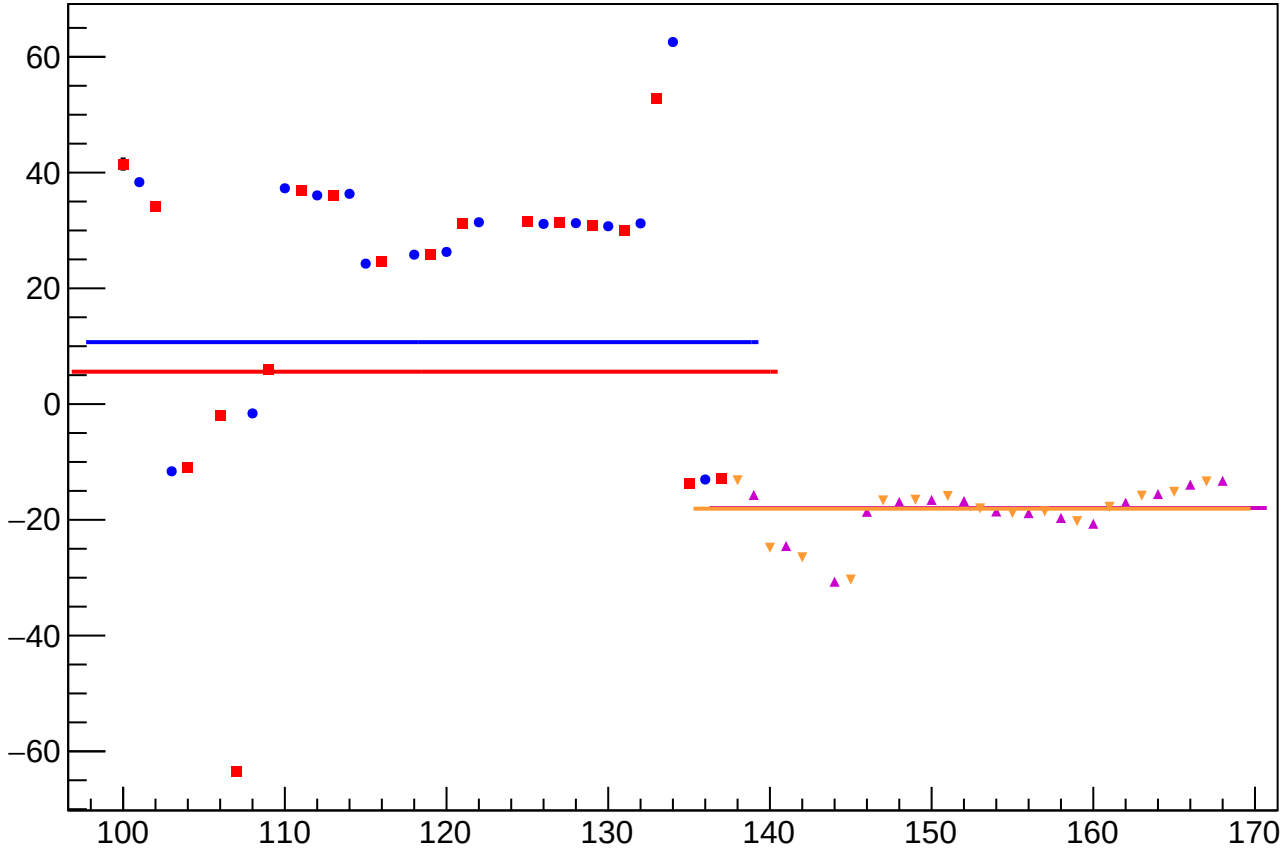
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 2.920+/-0.531 χ^2/NDF:1193.9/30

Out: 3.659+/-0.533 χ^2/NDF:1127.0/32

All: 3.288+/-0.376 χ^2/NDF: 2321.8/63

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: -18.071+/-0.027 χ^2/NDF:23472.4/14

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -17.954+/-0.027 χ^2/NDF:19458.7/14

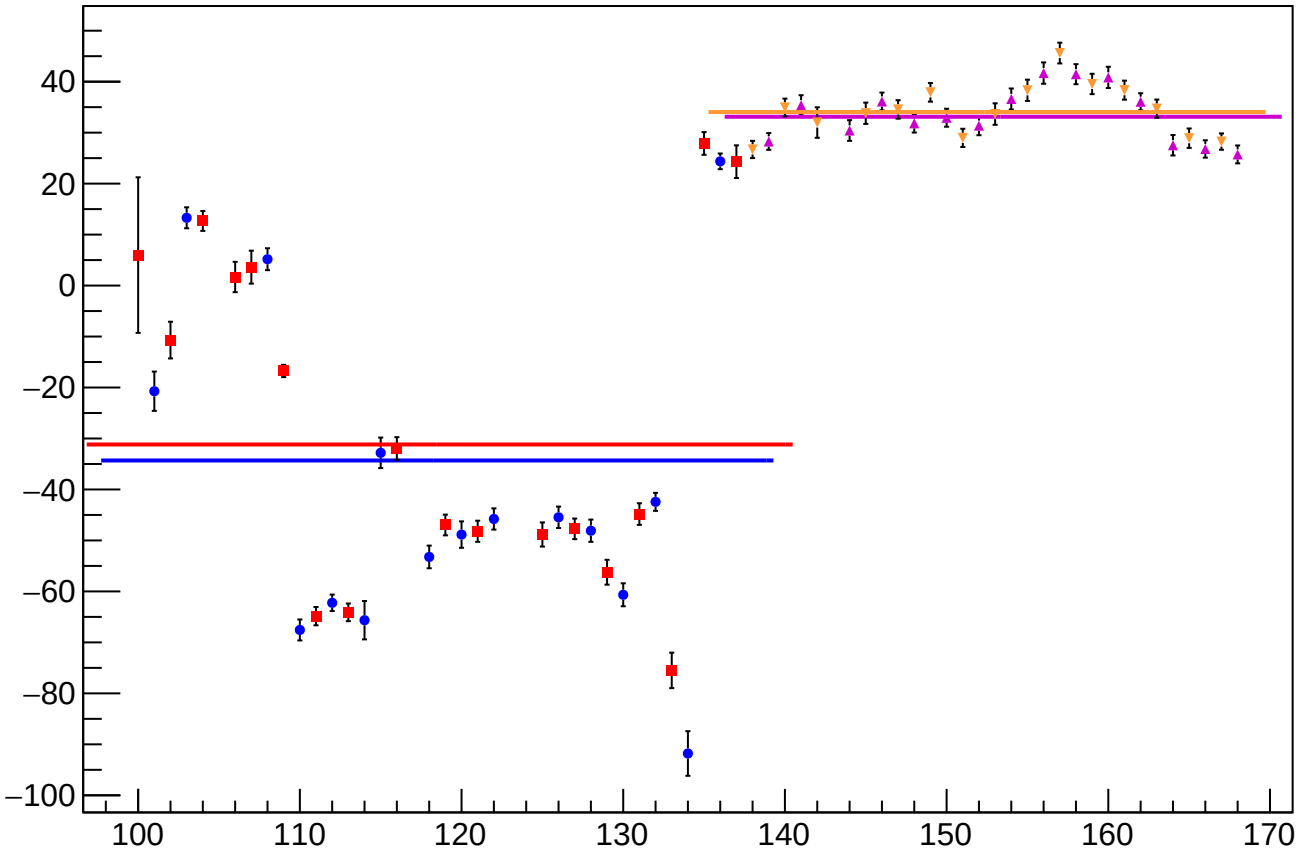
Left: -18.011+/-0.019 χ^2/NDF: 42940.5/29

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

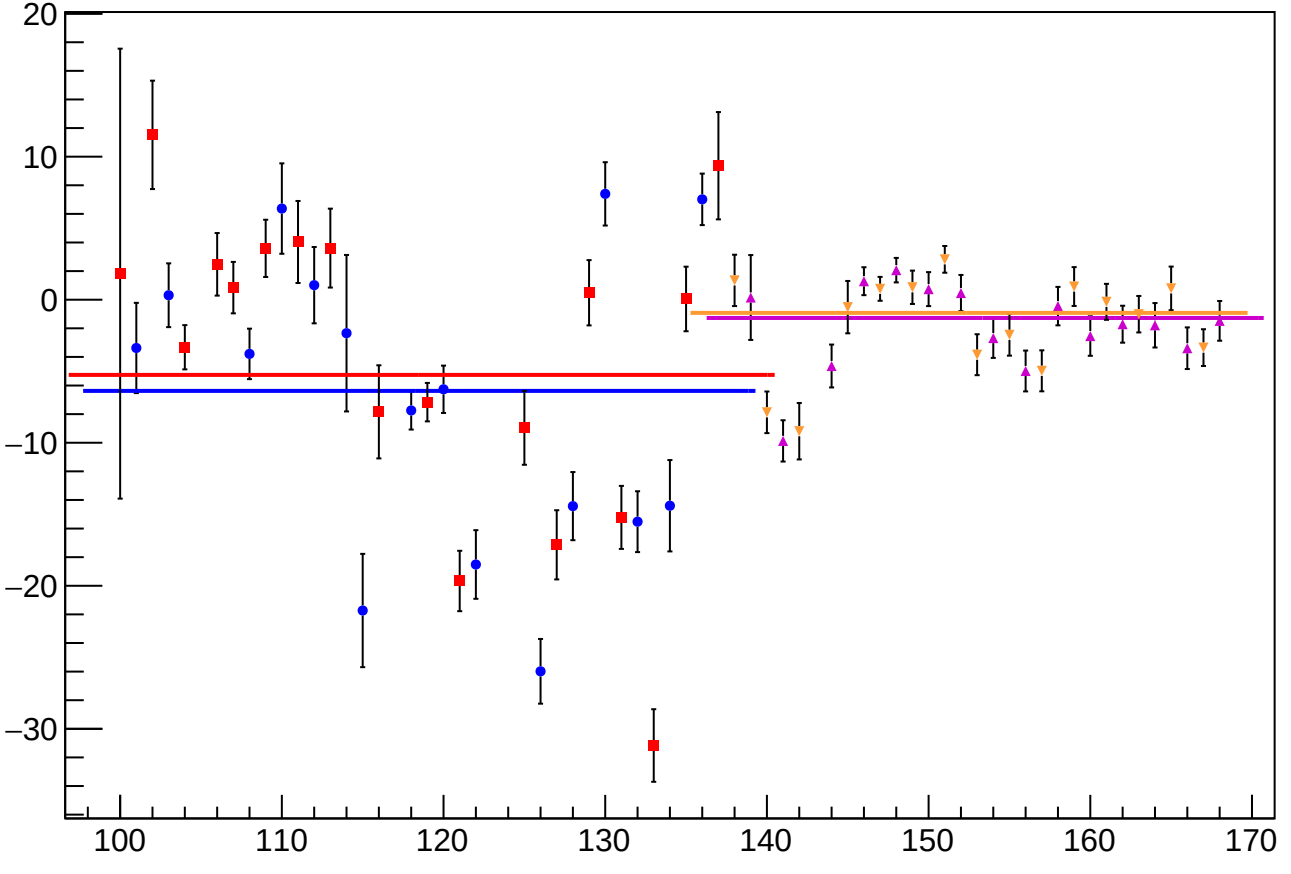
In: -13.619+/-0.024 χ^2/NDF:360482.3/30

Out: -14.375+/-0.025 χ^2/NDF:295222.9/32

All: -13.987+/-0.018 χ^2/NDF: 656170.0/63


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 34.044+/-0.491 χ²/NDF:102.0/14
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 33.117+/-0.480 χ²/NDF:109.9/14
Left: 33.570+/-0.343 χ²/NDF: 213.7/29
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: 3.831+/-0.361 χ²/NDF:12182.6/30
Out: 3.048+/-0.356 χ²/NDF:11693.9/32
All: 3.434+/-0.253 χ²/NDF: 23878.9/63

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: -0.920+/-0.335 χ^2/NDF:84.9/14

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.277+/-0.336 χ^2/NDF:79.1/14

Left: -1.098+/-0.237 χ^2/NDF: 164.5/29

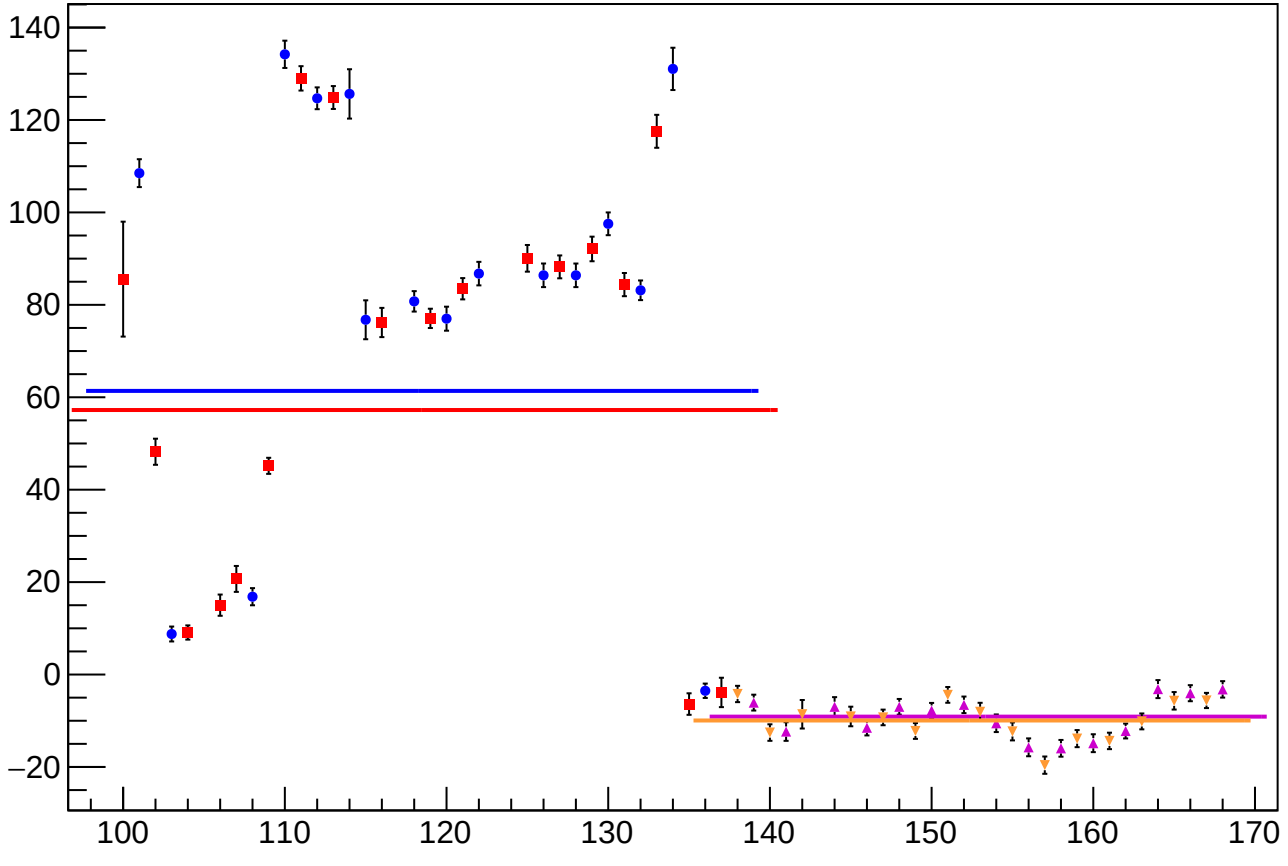
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.647+/-0.287 χ^2/NDF:424.7/30

Out: -2.148+/-0.283 χ^2/NDF:445.3/32

All: -2.394+/-0.202 χ^2/NDF: 871.6/63

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: -9.943+/-0.476 χ^2/NDF:77.3/14

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.108+/-0.466 χ^2/NDF:81.2/14

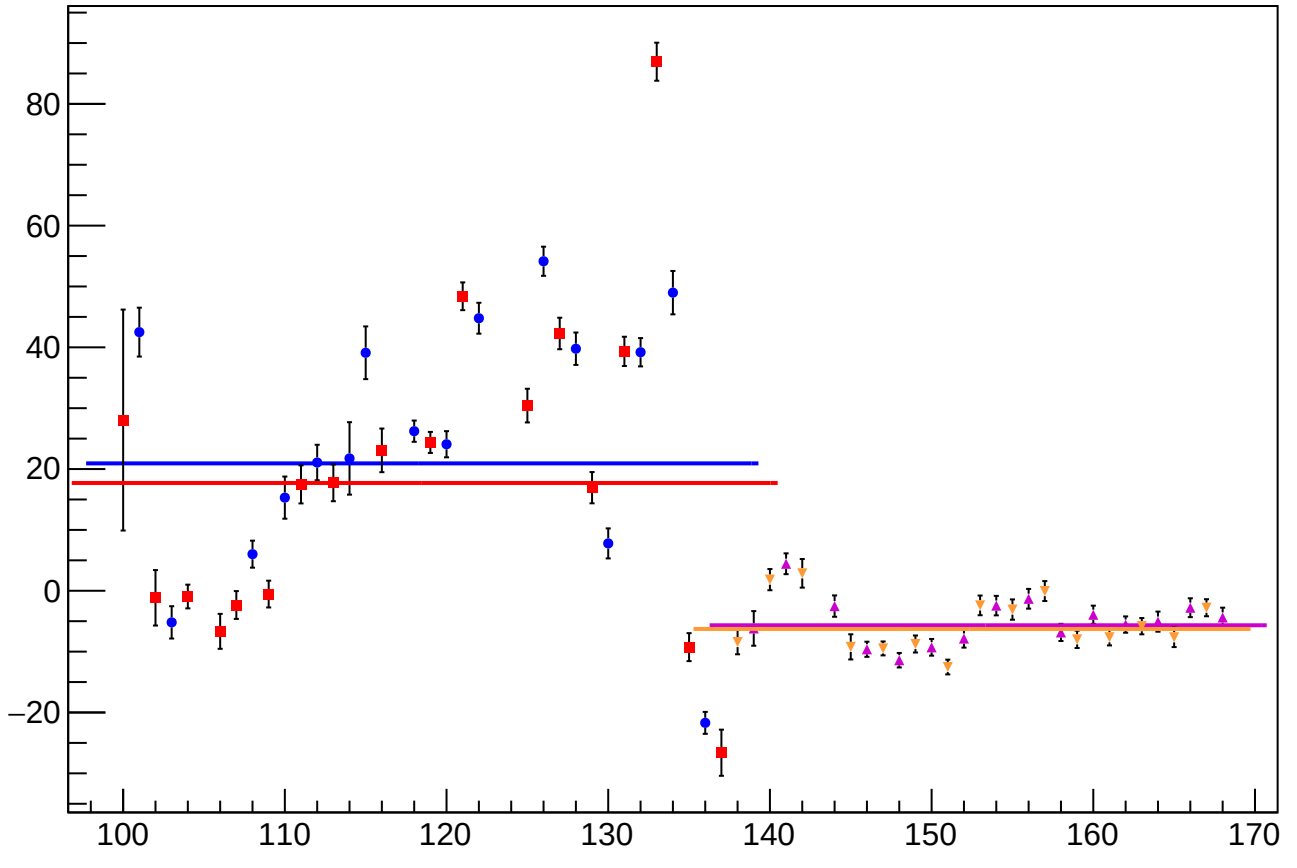
Left: -9.516+/-0.333 χ^2/NDF: 160.0/29

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 17.695+/-0.366 χ^2/NDF:14865.2/30

Out: 17.104+/-0.368 χ^2/NDF:13355.2/32

All: 17.400+/-0.260 χ^2/NDF: 28221.7/63



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.275+/-0.390 χ^2/NDF:110.8/14

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -5.670+/-0.390 χ^2/NDF:98.2/14

Left: -5.973+/-0.276 χ^2/NDF: 210.2/29

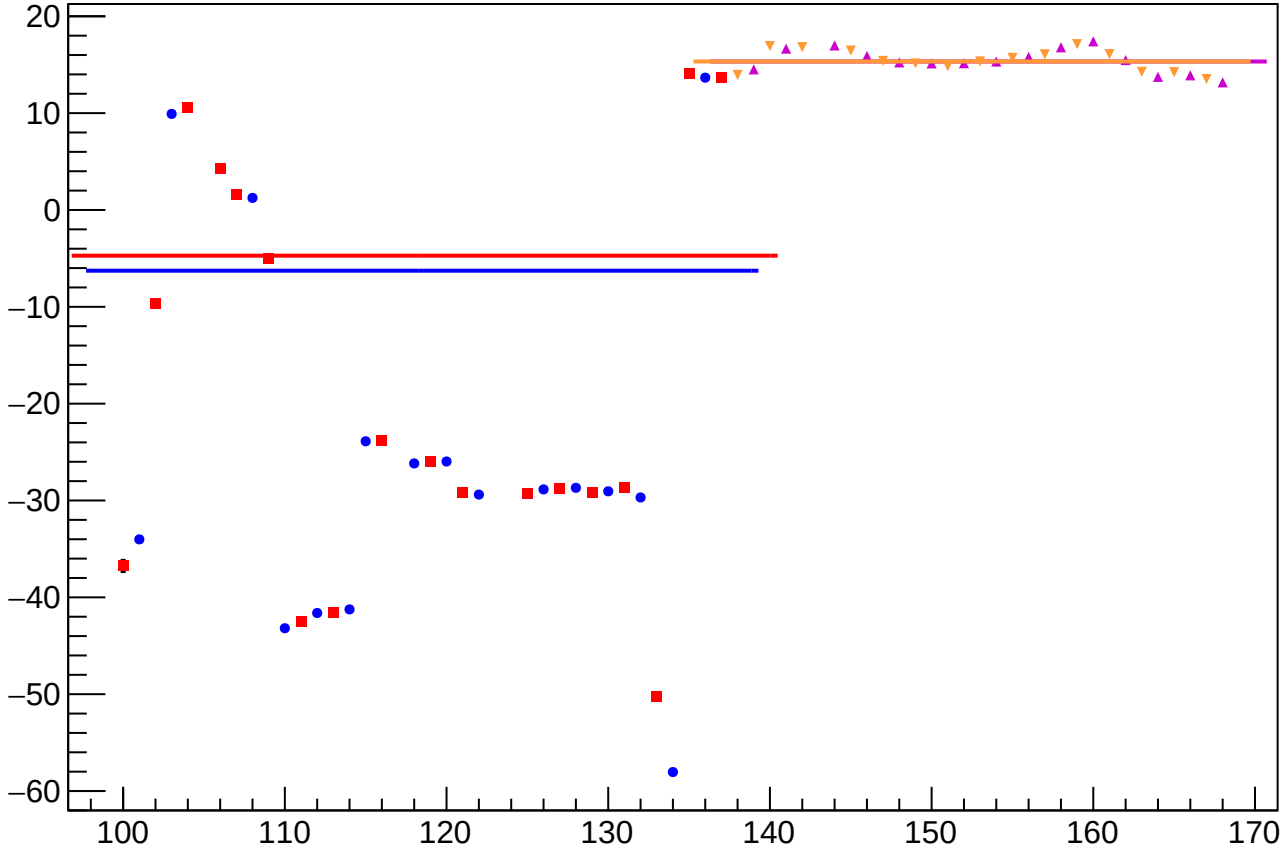
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 1.534+/-0.333 χ^2/NDF:2602.7/30

Out: 0.559+/-0.330 χ^2/NDF:2669.5/32

All: 1.042+/-0.234 χ^2/NDF: 5276.6/63

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: 15.336+/-0.018 χ^2/NDF:3755.4/14

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.329+/-0.017 χ^2/NDF:4495.6/14

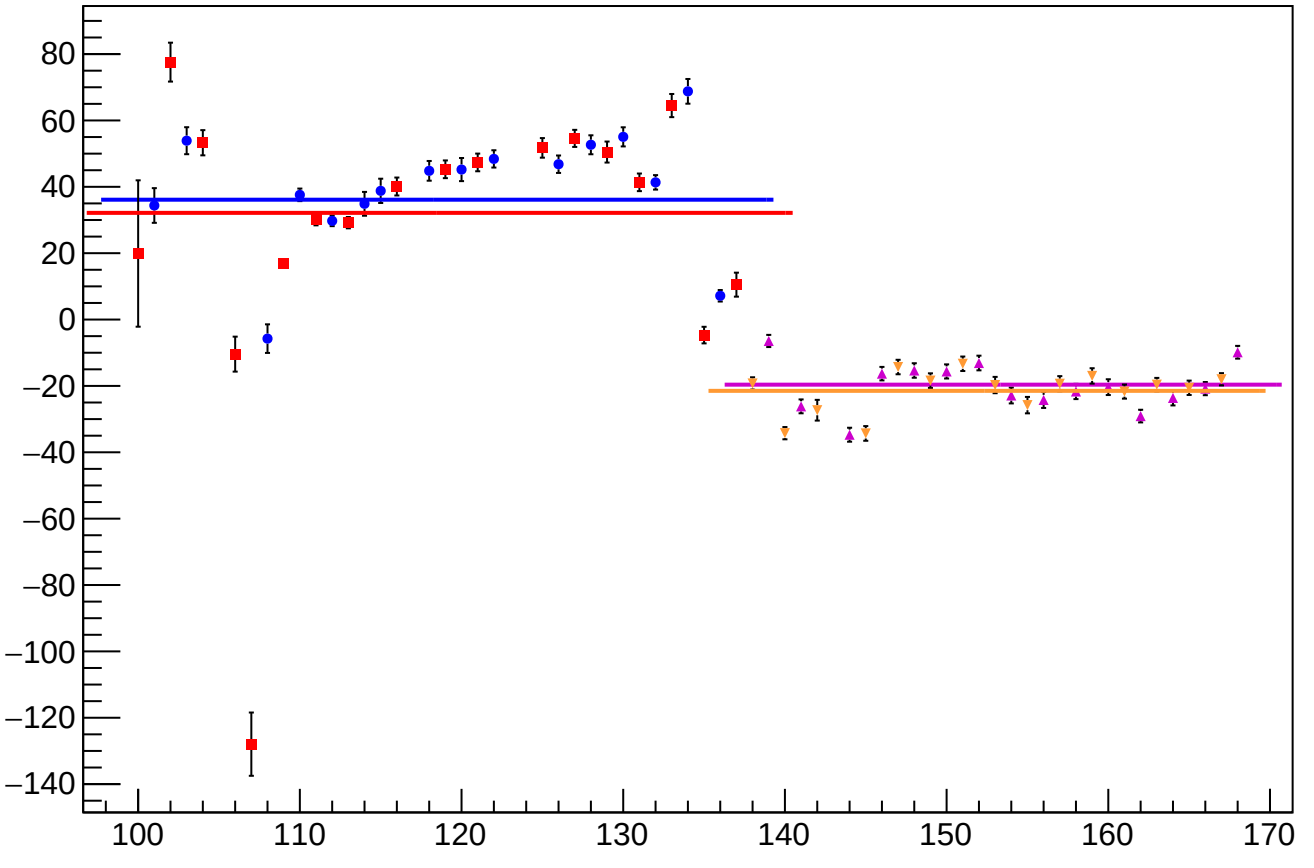
Left: 15.333+/-0.012 χ^2/NDF: 8251.1/29

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 10.732+/-0.015 χ^2/NDF:743868.9/30

Out: 10.941+/-0.016 χ^2/NDF:587160.7/32

All: 10.834+/-0.011 χ^2/NDF: 1331118.9/63



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.485+/-0.560 χ^2/NDF:125.5/14

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.621+/-0.548 χ^2/NDF:191.6/14

Left: -20.532+/-0.392 χ^2/NDF: 322.8/29

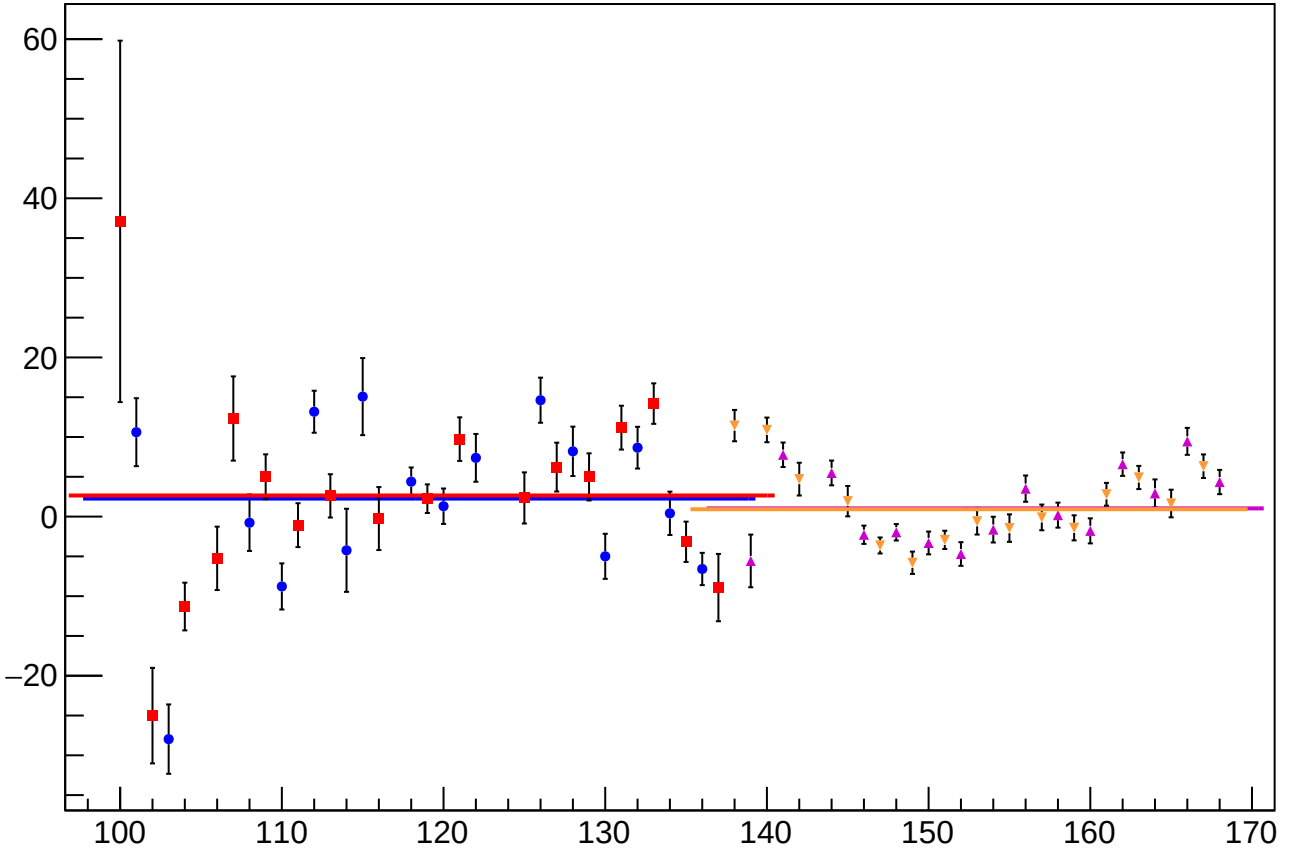
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 3.258+/-0.421 χ^2/NDF:5065.1/30

Out: 2.180+/-0.419 χ^2/NDF:5282.2/32

All: 2.717+/-0.297 χ^2/NDF: 10350.7/63

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.925+/-0.387 χ^2/NDF:156.5/14

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.029+/-0.387 χ^2/NDF:125.5/14

Left: 0.977+/-0.274 χ^2/NDF: 282.0/29

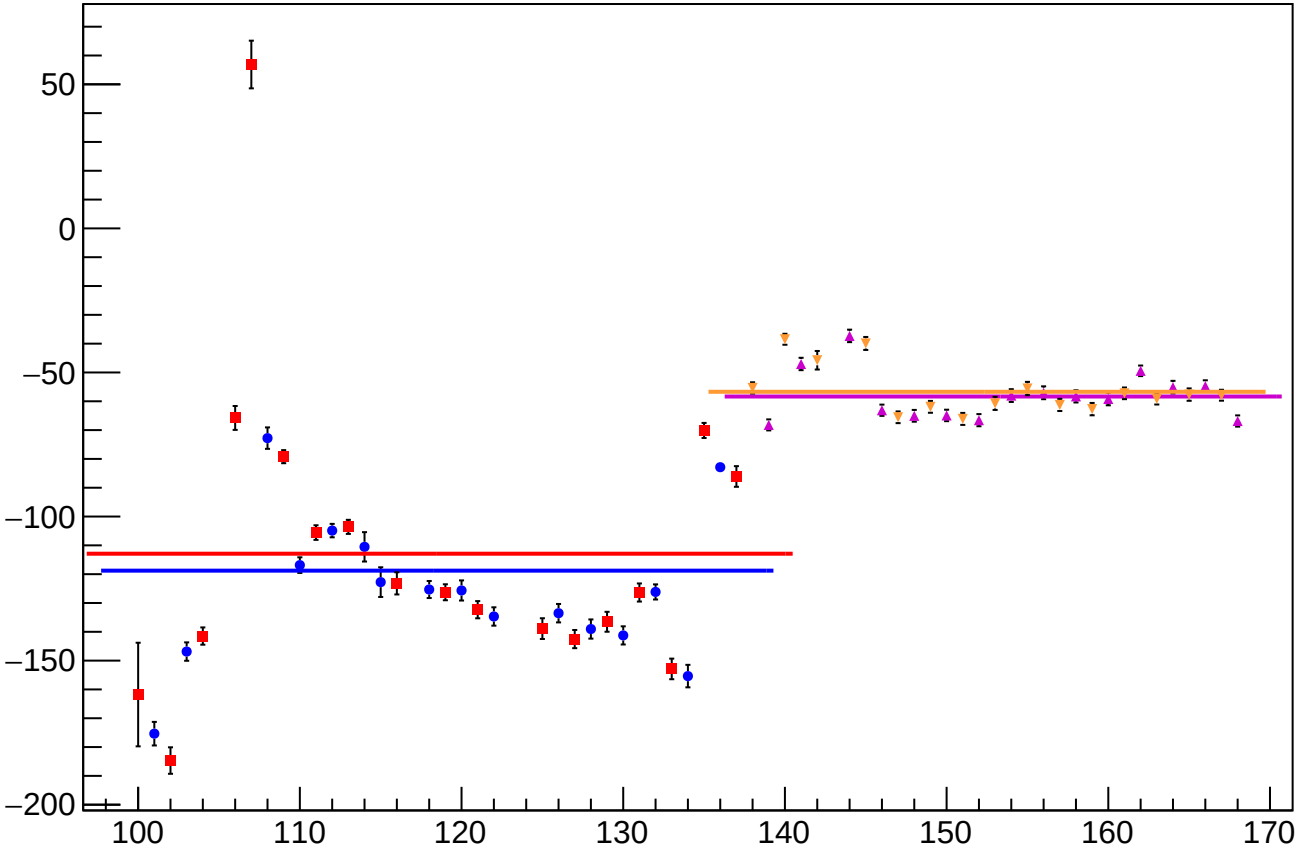
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.318+/-0.339 χ^2/NDF:279.9/30

Out: 1.316+/-0.341 χ^2/NDF:268.2/32

All: 1.317+/-0.240 χ^2/NDF: 548.1/63

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.706+/-0.545 χ^2/NDF:223.1/14

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.343+/-0.533 χ^2/NDF:239.6/14

Left: -57.544+/-0.381 χ^2/NDF: 467.4/29

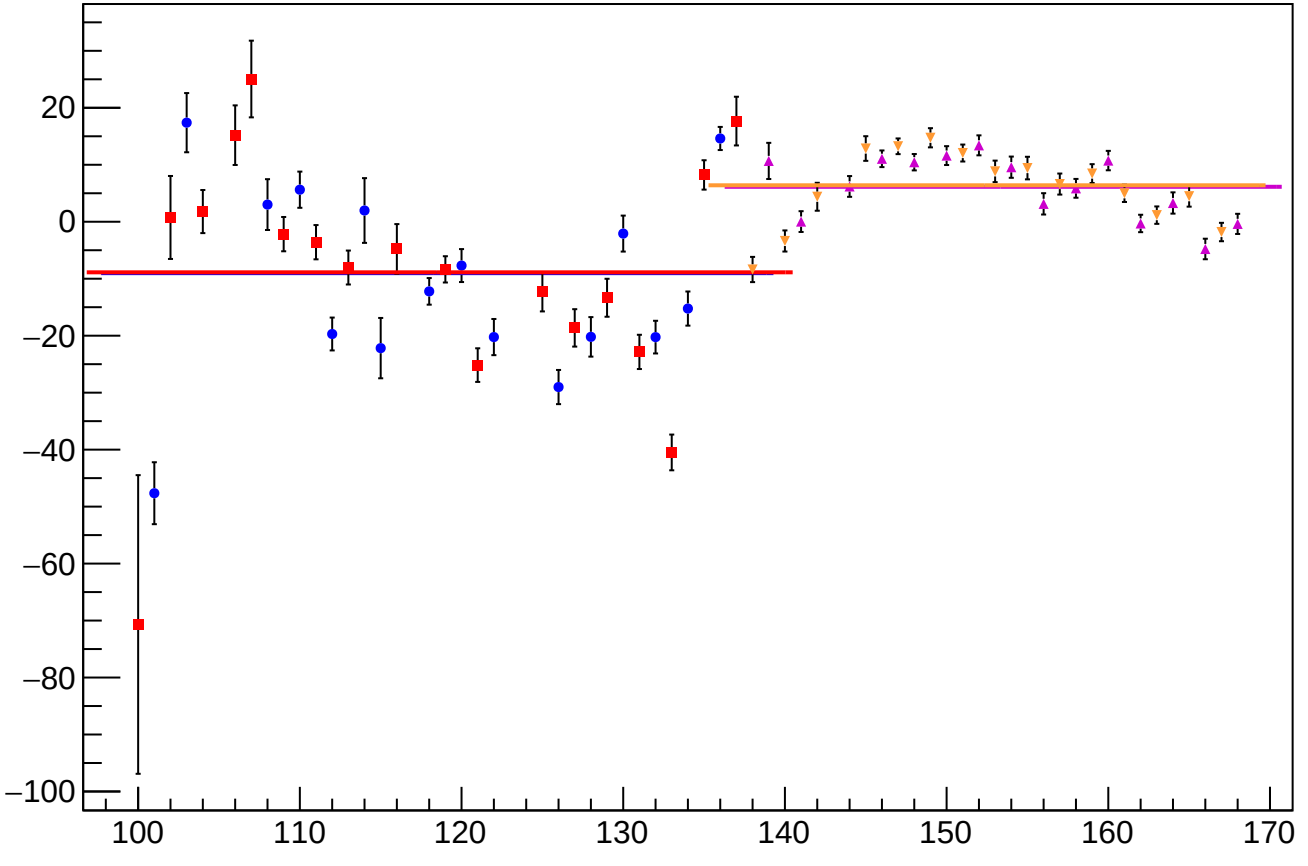
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.360+/-0.436 χ^2/NDF:5623.7/30

Out: -75.776+/-0.443 χ^2/NDF:5688.5/32

All: -77.091+/-0.311 χ^2/NDF: 11329.5/63

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: 6.398+/-0.450 χ^2/NDF:190.7/14

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.135+/-0.448 χ^2/NDF:145.3/14

Left: 6.266+/-0.318 χ^2/NDF: 336.2/29

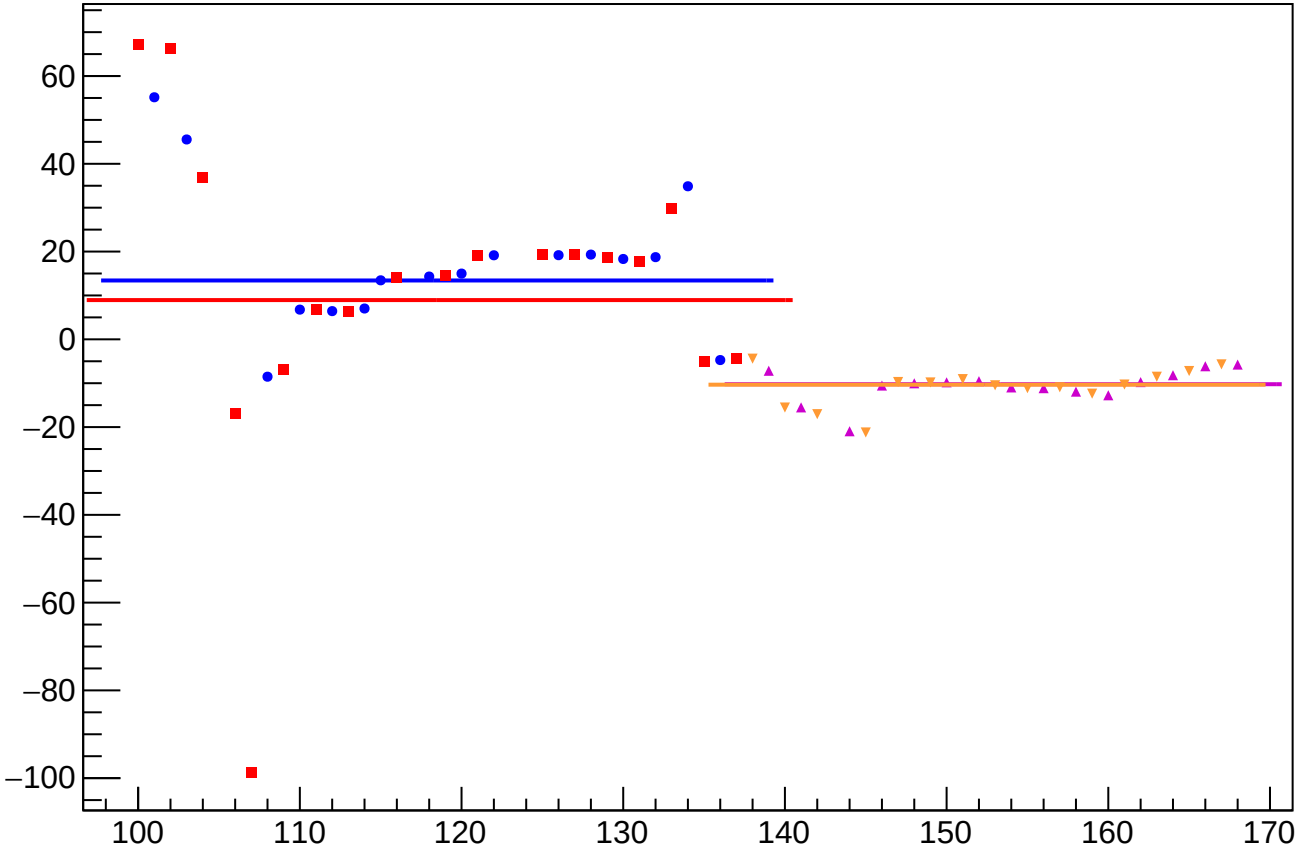
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.480+/-0.391 χ^2/NDF:778.7/30

Out: 2.799+/-0.393 χ^2/NDF:781.0/32

All: 2.639+/-0.277 χ^2/NDF: 1560.1/63

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.337+/-0.020 χ^2/NDF:35319.5/14

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.228+/-0.020 χ^2/NDF:27572.6/14

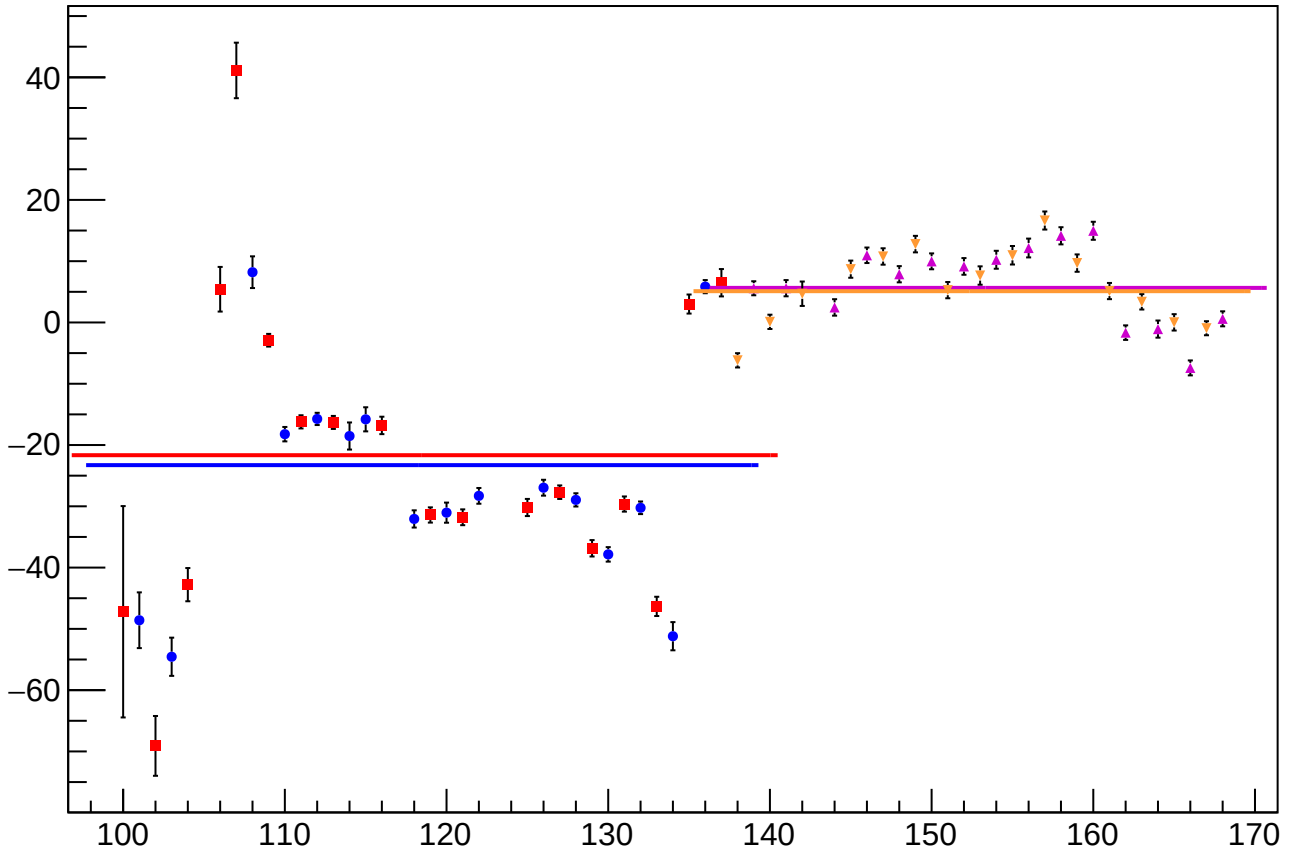
Left: -10.281+/-0.014 χ^2/NDF: 62906.5/29

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.405+/-0.018 χ^2/NDF:439748.7/30

Out: -7.308+/-0.019 χ^2/NDF:465900.7/32

All: -6.842+/-0.013 χ^2/NDF: 906841.8/63



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.106+/-0.348 χ^2/NDF:302.8/14

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.643+/-0.340 χ^2/NDF:341.3/14

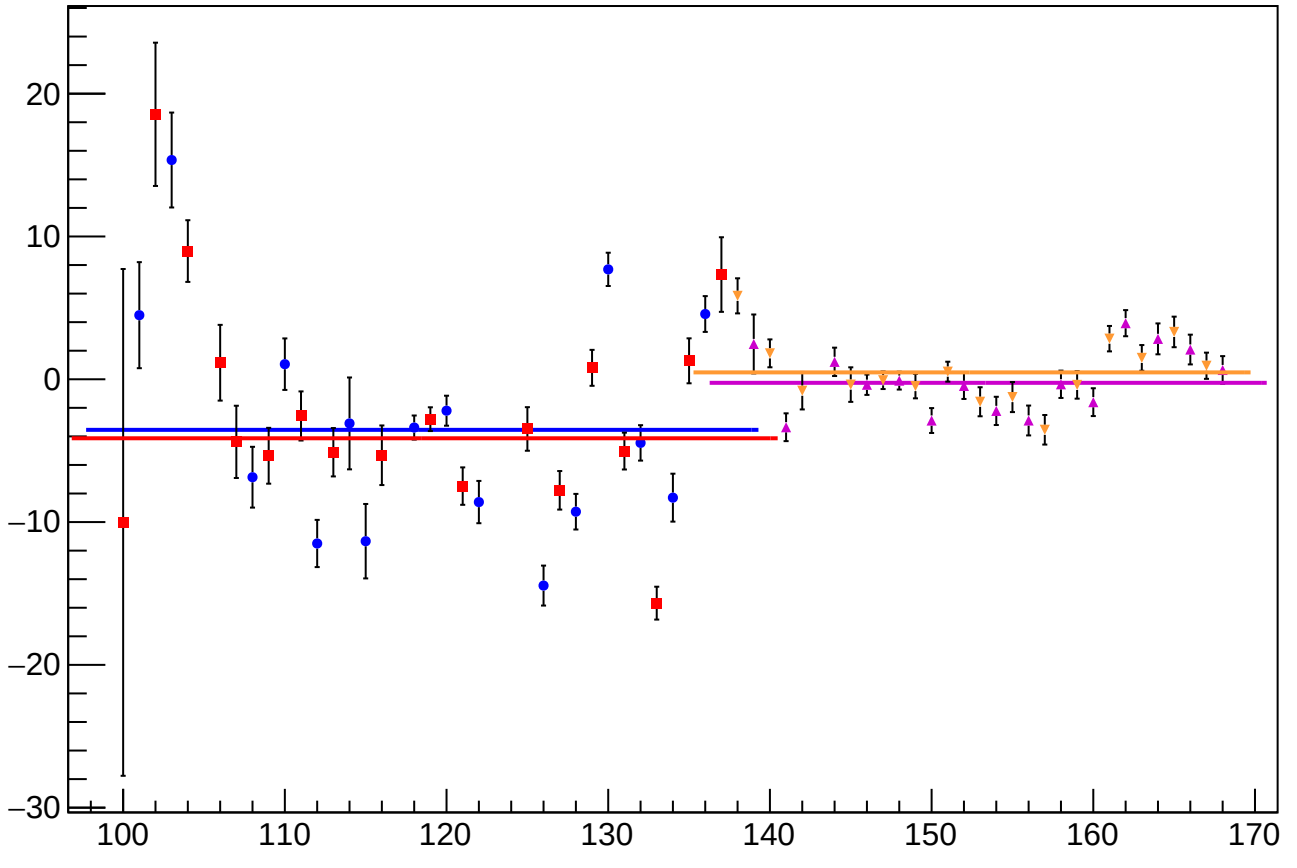
Left: 5.380+/-0.243 χ^2/NDF: 645.3/29

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.387+/-0.244 χ^2/NDF:5417.9/30

Out: -8.288+/-0.246 χ^2/NDF:5083.3/32

All: -8.338+/-0.173 χ^2/NDF: 10501.2/63



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.482+/-0.239 χ^2/NDF:62.7/14

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.248+/-0.239 χ^2/NDF:70.5/14

Left: 0.117+/-0.169 χ^2/NDF: 137.9/29

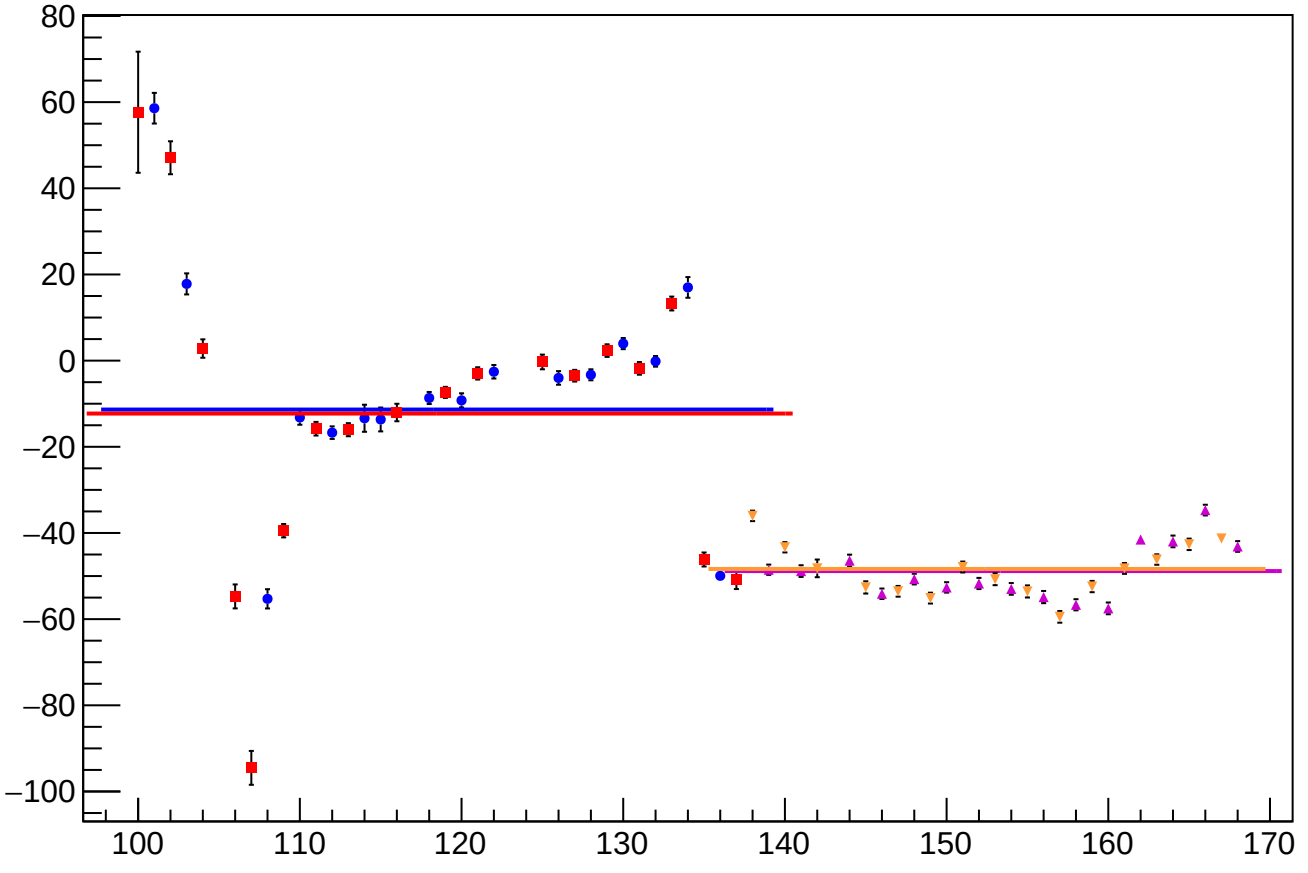
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.247+/-0.200 χ^2/NDF:444.7/30

Out: -0.875+/-0.201 χ^2/NDF:399.5/32

All: -1.063+/-0.142 χ^2/NDF: 845.9/63

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.349+/-0.338 χ^2/NDF:327.2/14

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.840+/-0.330 χ^2/NDF:360.8/14

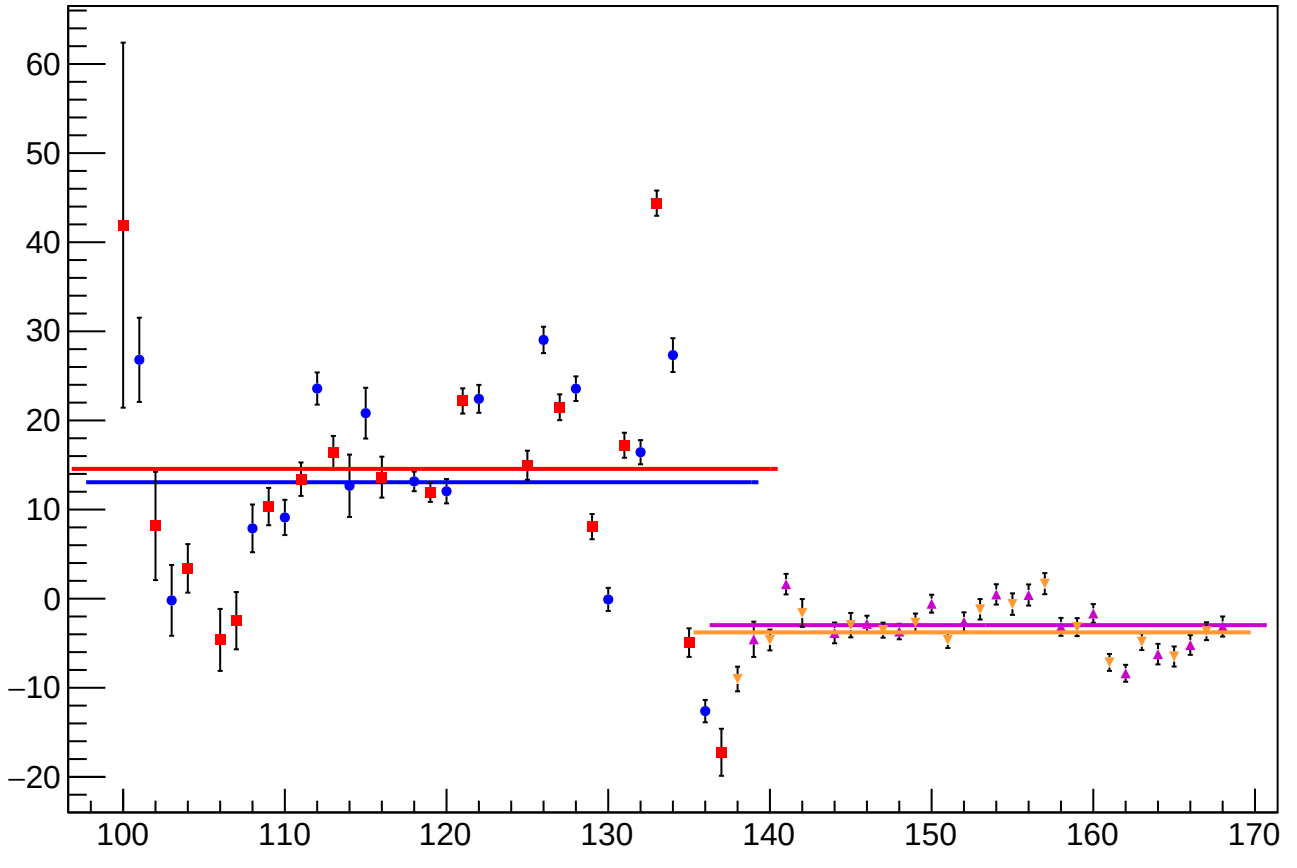
Left: -48.600+/-0.236 χ^2/NDF: 689.1/29

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.890+/-0.256 χ^2/NDF:8155.3/30

Out: -33.884+/-0.262 χ^2/NDF:7482.5/32

All: -33.887+/-0.183 χ^2/NDF: 15637.8/63



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.784+/-0.278 χ^2/NDF:72.5/14

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.971+/-0.278 χ^2/NDF:86.9/14

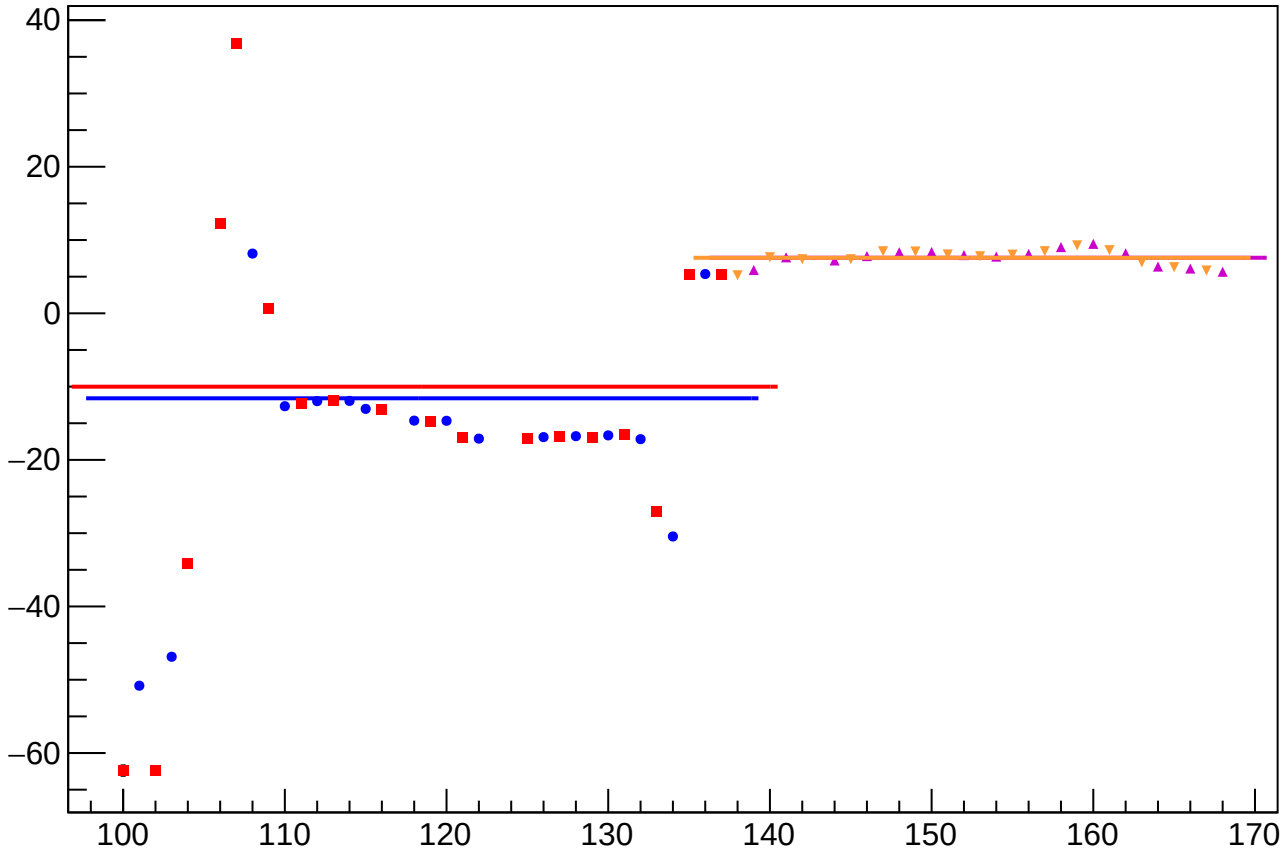
Left: -3.377+/-0.197 χ^2/NDF: 163.7/29

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.994+/-0.231 χ^2/NDF:1982.7/30

Out: 1.766+/-0.232 χ^2/NDF:2290.9/32

All: 1.881+/-0.164 χ^2/NDF: 4274.1/63



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.577+/-0.013 χ^2/NDF:8078.3/14

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.582+/-0.012 χ^2/NDF:8507.4/14

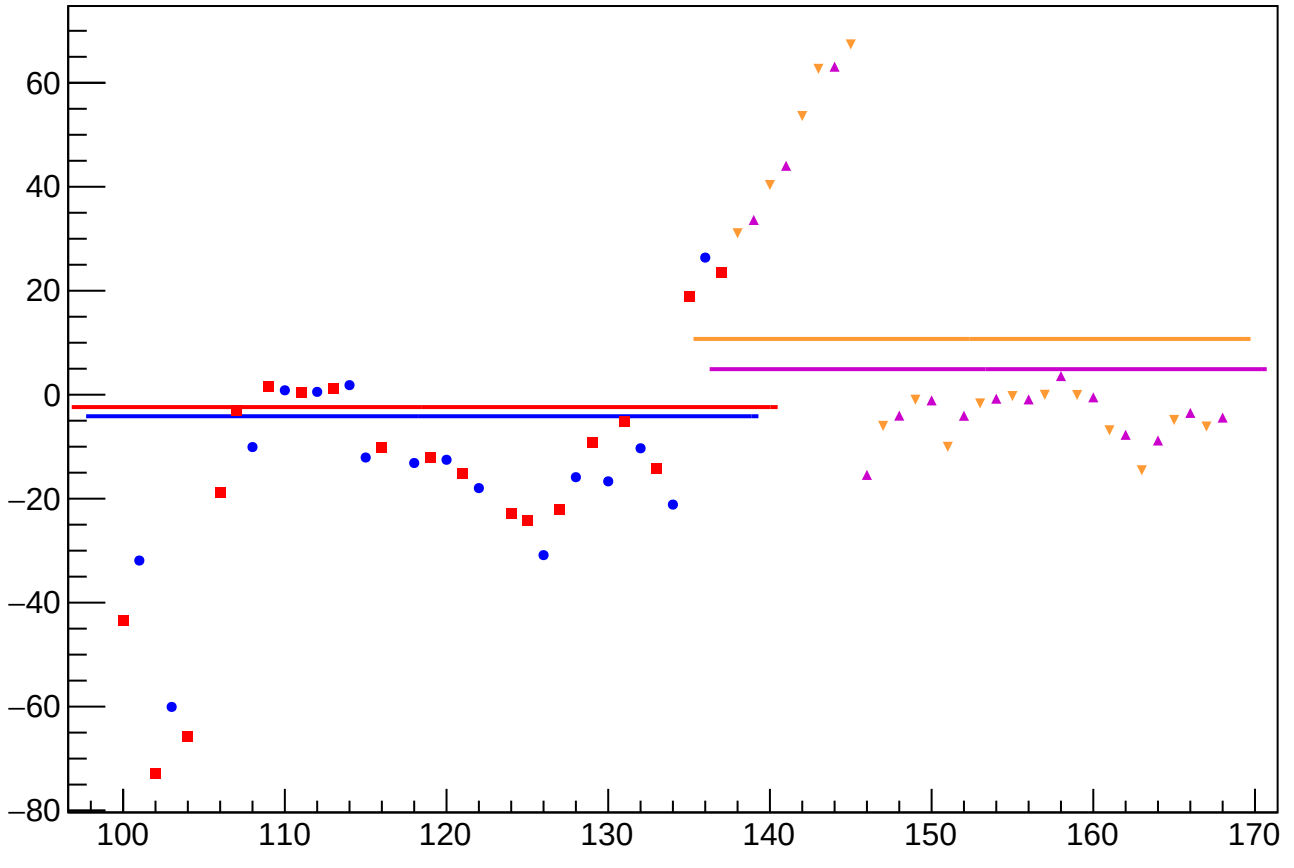
Left: 7.579+/-0.009 χ^2/NDF: 16585.7/29

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 4.121+/-0.011 χ^2/NDF:804472.2/30

Out: 4.481+/-0.012 χ^2/NDF:742783.2/32

All: 4.296+/-0.008 χ^2/NDF: 1547758.5/63



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 10.731+/-0.064 χ^2/NDF:145218.8/15

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 4.913+/-0.054 χ^2/NDF:119970.0/14

Left: 7.356+/-0.041 χ^2/NDF: 270050.3/30

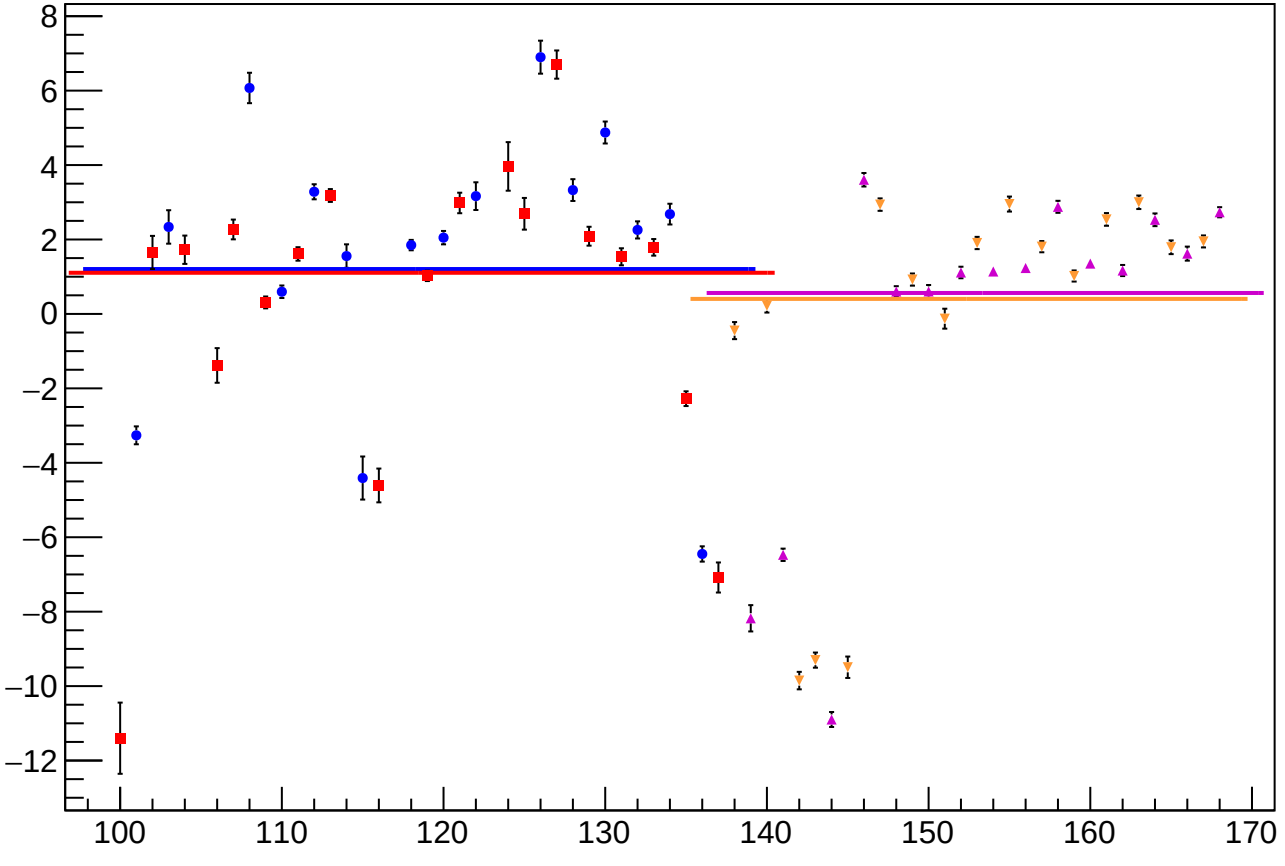
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.434+/-0.038 χ^2/NDF:209106.2/30

Out: 2.144+/-0.037 χ^2/NDF:253849.8/34

All: 1.314+/-0.027 χ^2/NDF: 463973.5/65

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.404+/-0.046 χ^2/NDF:6477.3/15

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.563+/-0.039 χ^2/NDF:6702.0/14

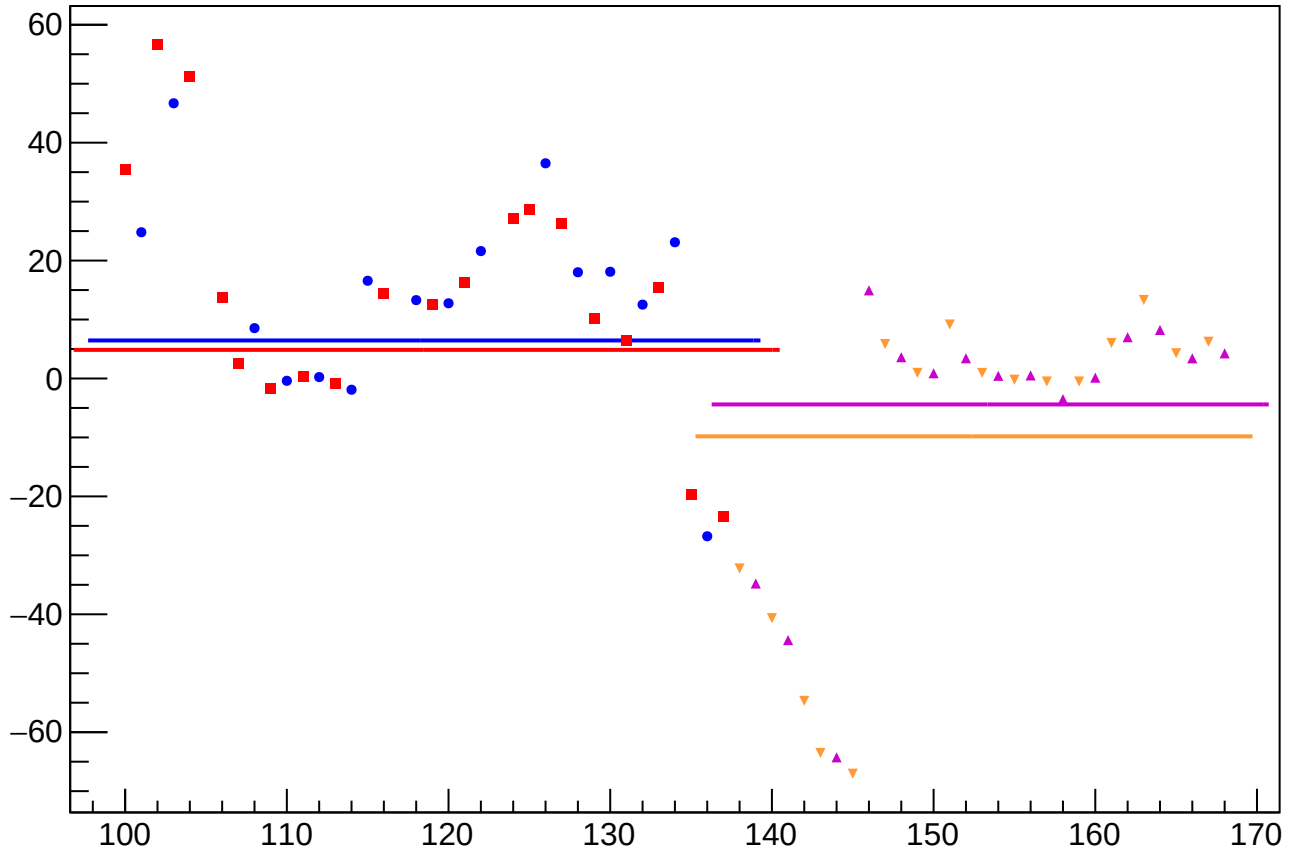
Left: 0.497+/-0.030 χ^2/NDF: 13186.3/30

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.751+/-0.033 χ^2/NDF:9366.6/30

Out: 0.679+/-0.036 χ^2/NDF:8155.9/34

All: 0.719+/-0.024 χ^2/NDF: 17524.7/65



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -9.813+/-0.062 χ^2/NDF:142296.5/15

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -4.403+/-0.052 χ^2/NDF:117816.0/14

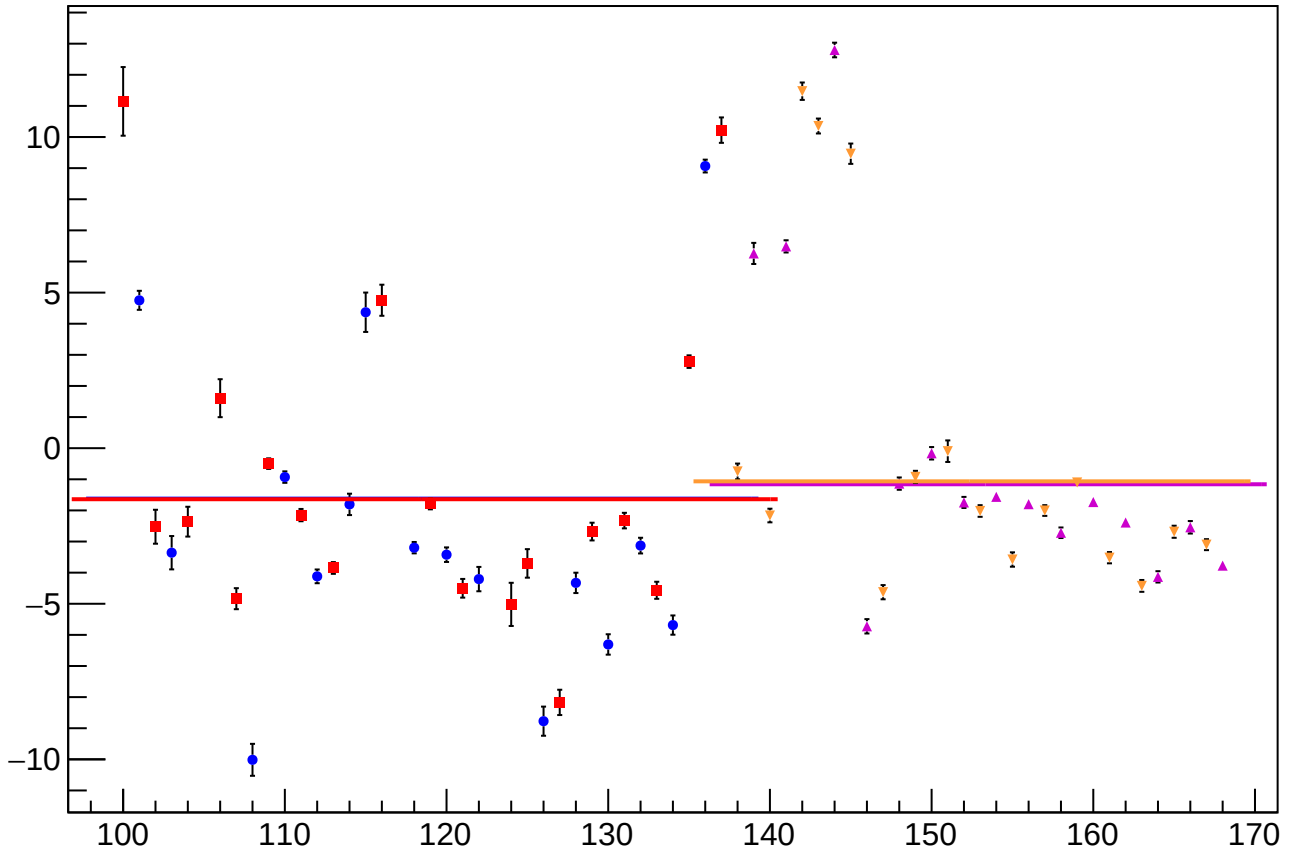
Left: -6.644+/-0.040 χ^2/NDF: 264580.9/30

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.174+/-0.041 χ^2/NDF:205402.9/30

Out: -2.141+/-0.043 χ^2/NDF:246882.7/34

All: -1.108+/-0.029 χ^2/NDF: 453395.7/65



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.065+/-0.052 χ^2/NDF:6466.9/15

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.160+/-0.044 χ^2/NDF:6724.0/14

Left: -1.120+/-0.034 χ^2/NDF: 13192.8/30

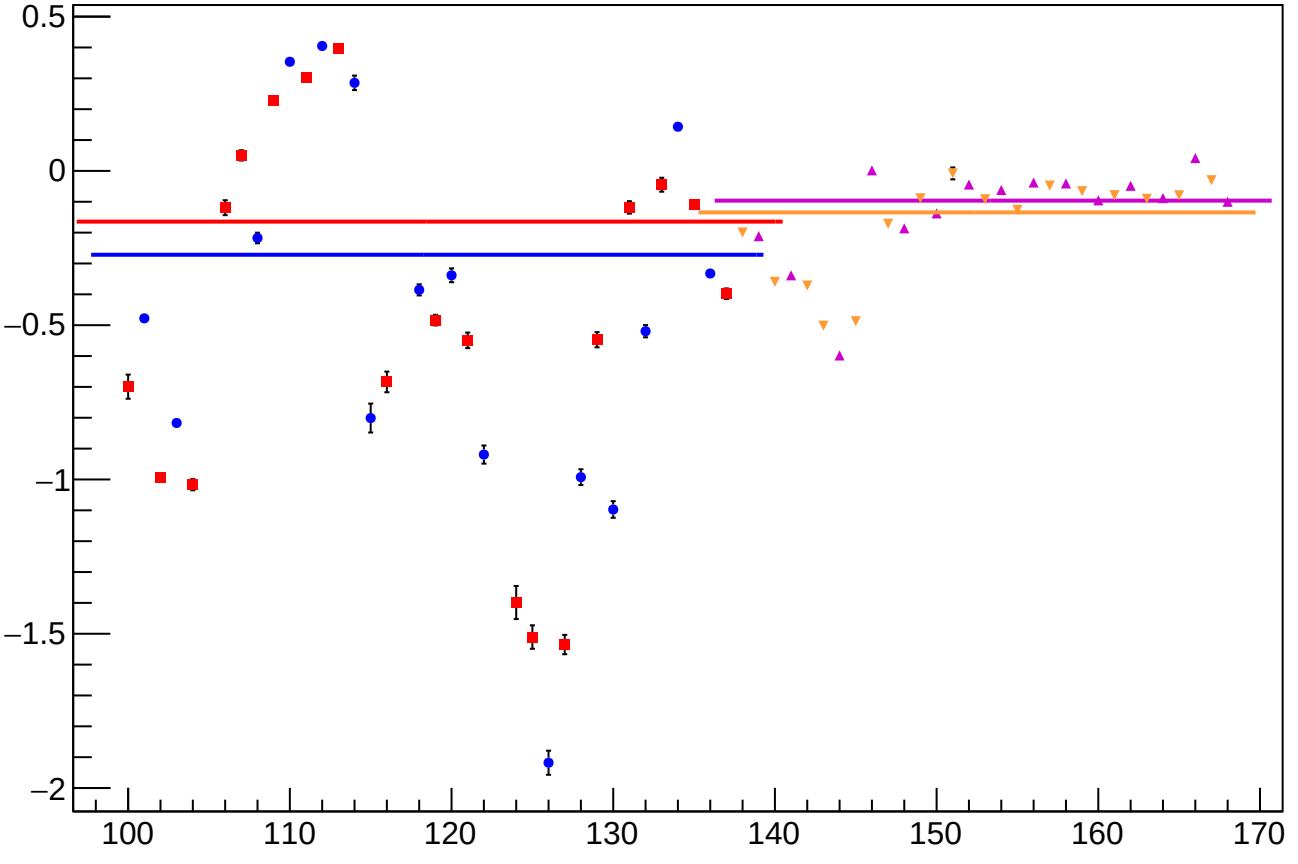
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.292+/-0.037 χ^2/NDF:11280.8/30

Out: -1.293+/-0.041 χ^2/NDF:8976.9/34

All: -1.292+/-0.027 χ^2/NDF: 20257.7/65

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:3124.5/15

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.096+/-0.002 χ^2/NDF:3234.4/14

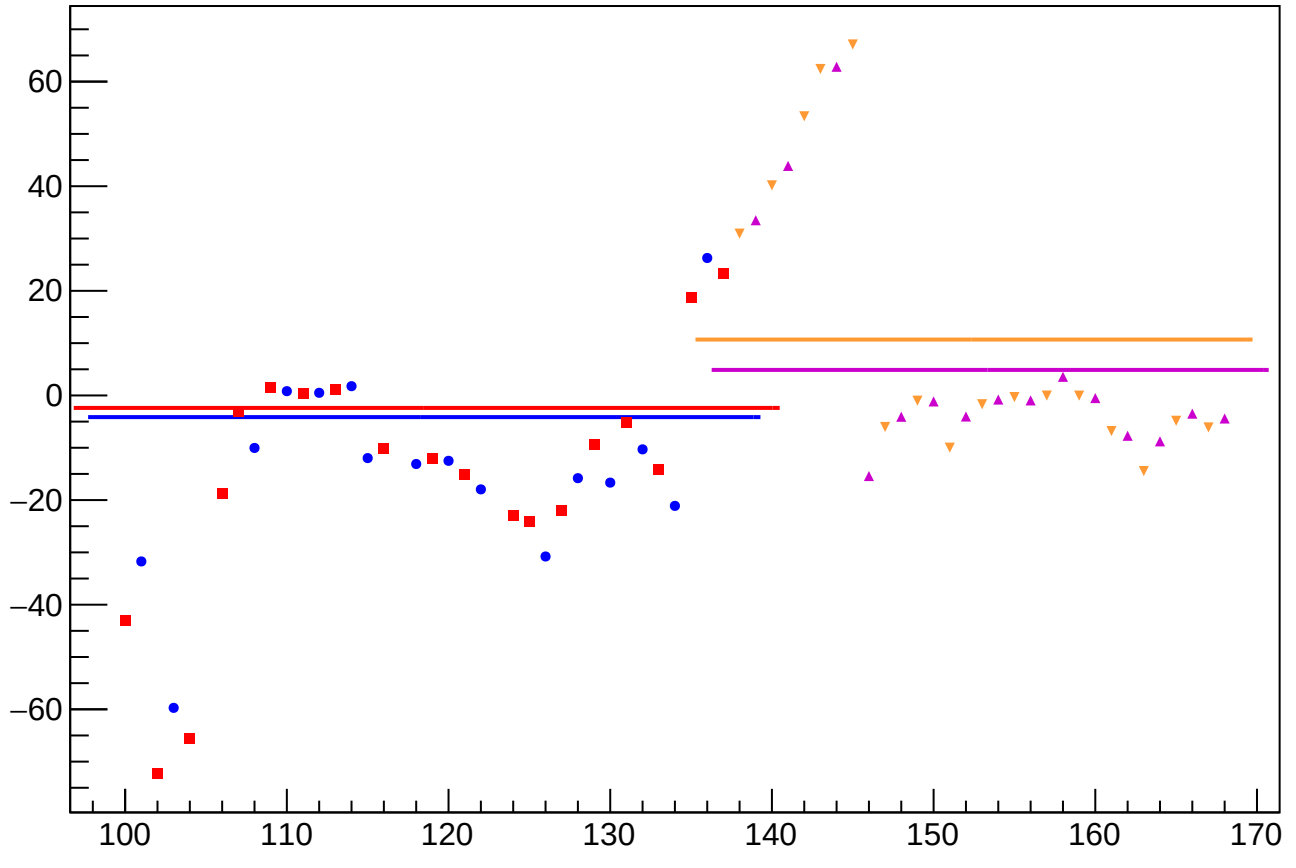
Left: -0.112+/-0.001 χ^2/NDF: 6525.4/30

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.126+/-0.002 χ^2/NDF:16765.2/30

Out: -0.142+/-0.002 χ^2/NDF:18666.7/34

All: -0.133+/-0.001 χ^2/NDF: 35472.8/65



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 10.687+/-0.063 χ^2/NDF:144957.5/15

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 4.883+/-0.054 χ^2/NDF:119853.7/14

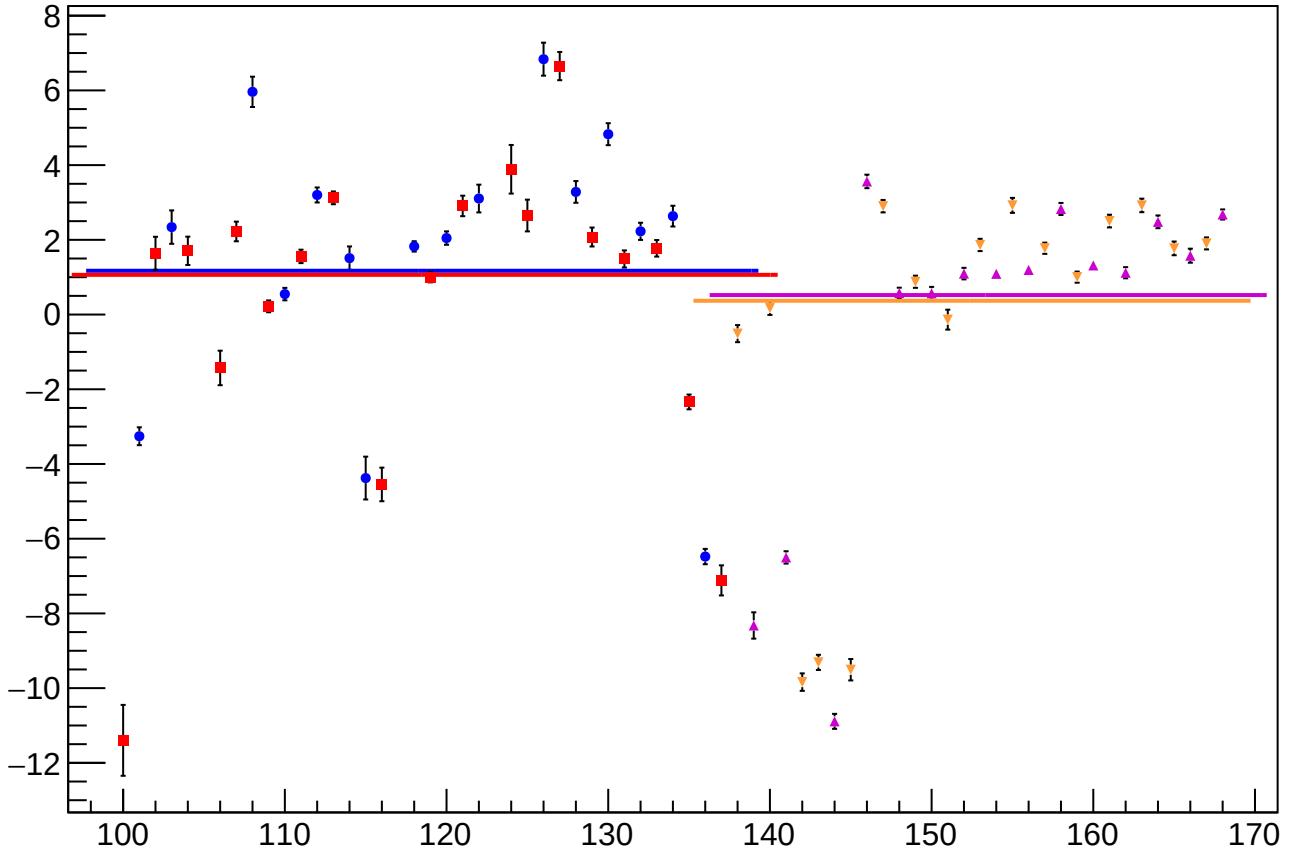
Left: 7.322+/-0.041 χ^2/NDF: 269678.0/30

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.407+/-0.038 χ^2/NDF:208978.6/30

Out: 2.111+/-0.037 χ^2/NDF:253550.9/34

All: 1.284+/-0.027 χ^2/NDF: 463550.7/65



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.369+/-0.046 χ^2/NDF:6480.4/15

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.522+/-0.039 χ^2/NDF:6717.9/14

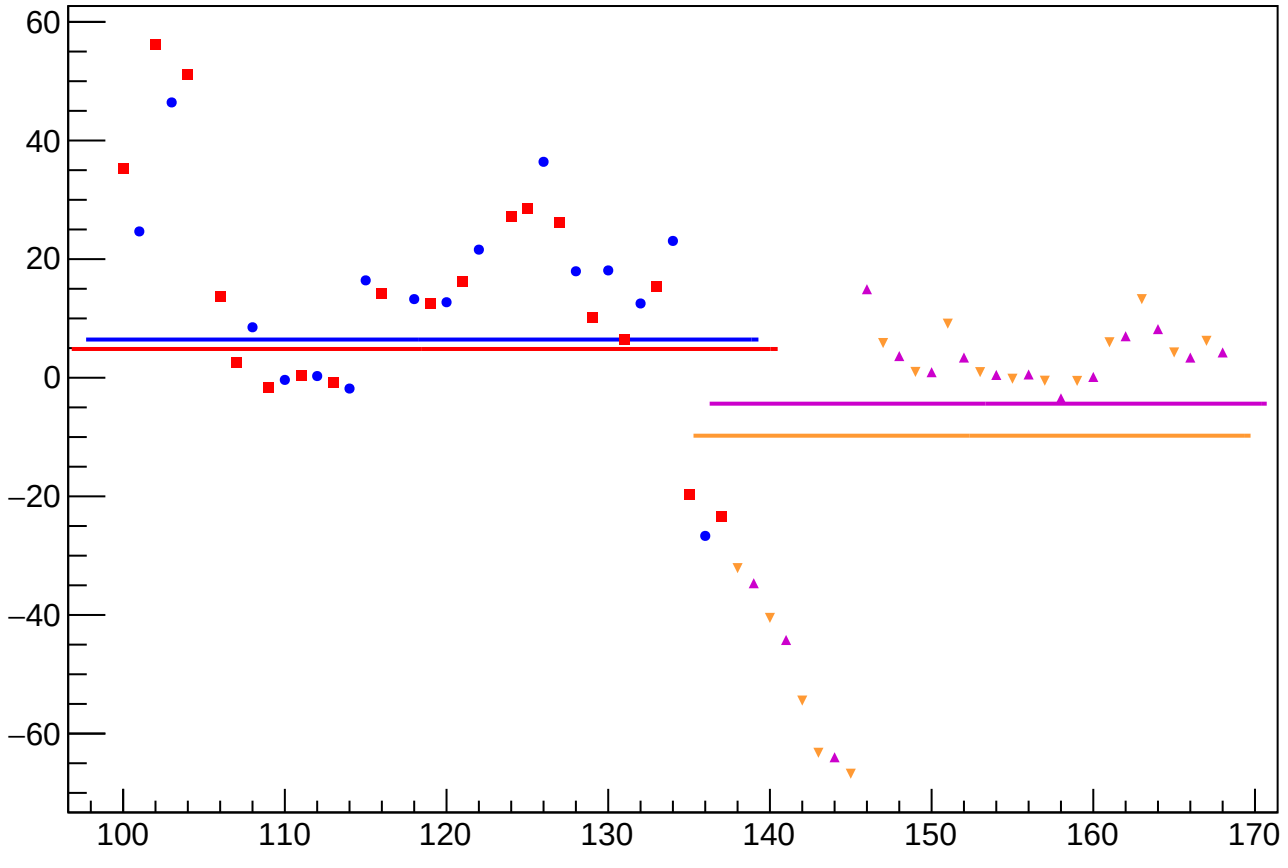
Left: 0.458+/-0.030 χ^2/NDF: 13204.8/30

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.713+/-0.033 χ^2/NDF:9385.2/30

Out: 0.642+/-0.036 χ^2/NDF:8167.0/34

All: 0.680+/-0.024 χ^2/NDF: 17554.3/65



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -9.771+/-0.062 χ^2/NDF:142042.5/15

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -4.373+/-0.052 χ^2/NDF:117698.5/14

Left: -6.611+/-0.040 χ^2/NDF: 264215.0/30

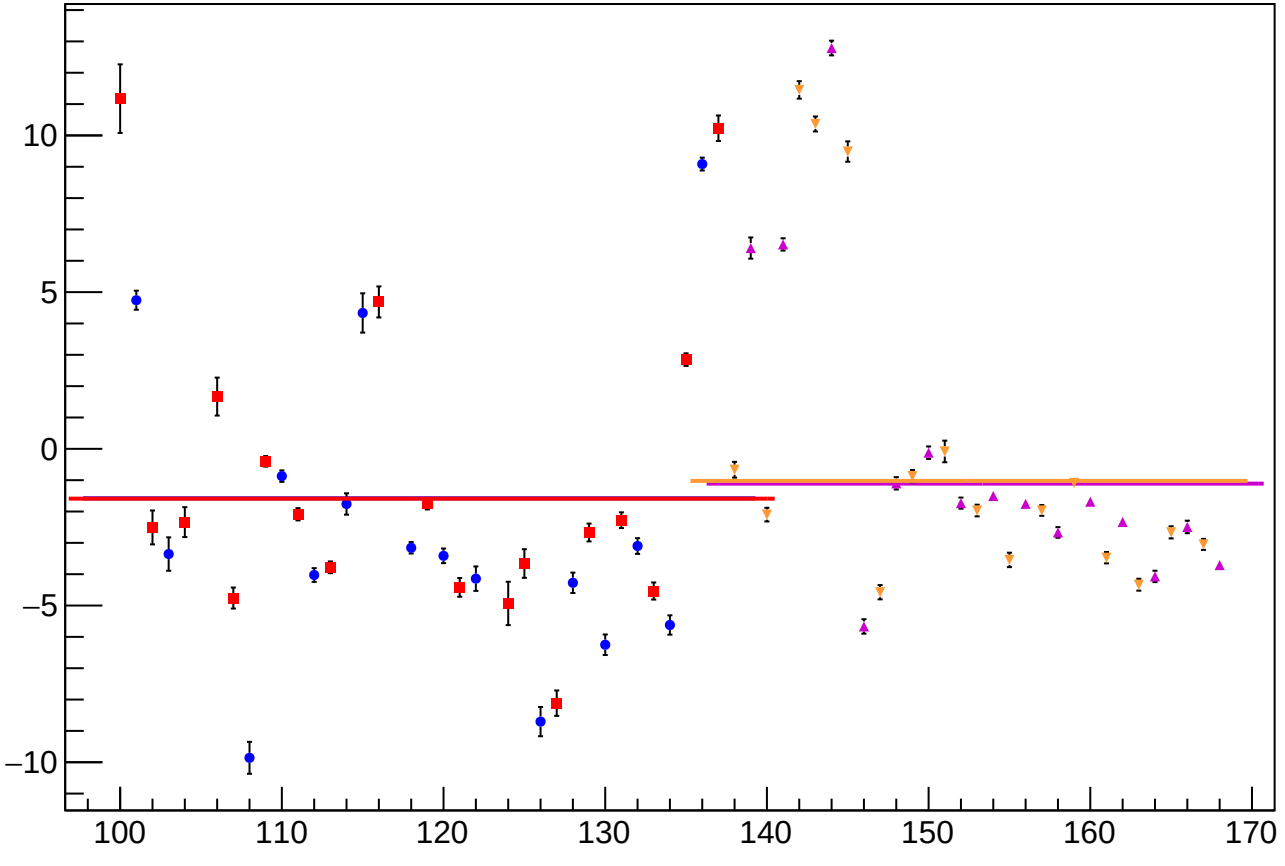
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.145+/-0.041 χ^2/NDF:205267.3/30

Out: -2.106+/-0.043 χ^2/NDF:246587.9/34

All: -1.078+/-0.029 χ^2/NDF: 452967.1/65

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.023+/-0.052 χ^2/NDF:6464.0/15

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.110+/-0.044 χ^2/NDF:6737.5/14

Left: -1.074+/-0.034 χ^2/NDF: 13203.1/30

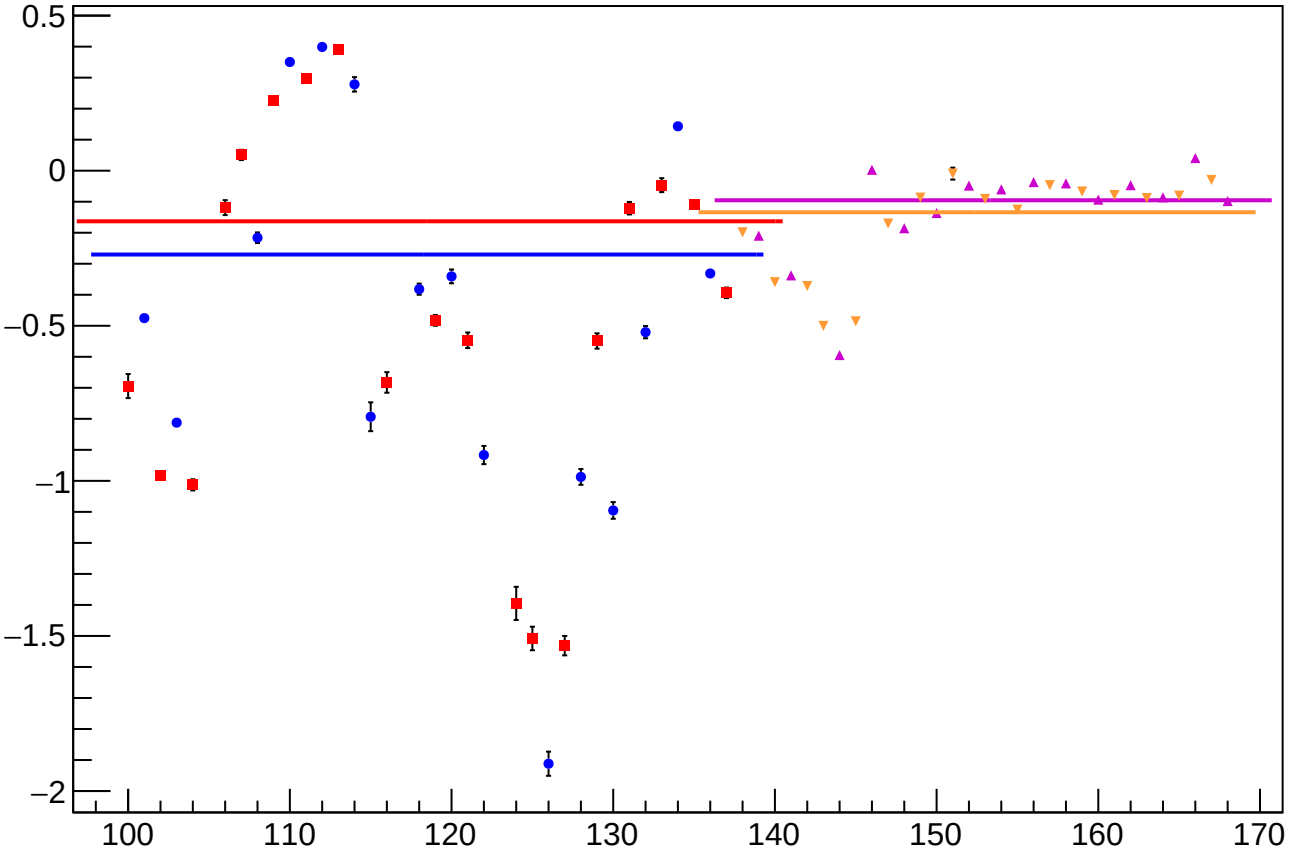
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.245+/-0.037 χ^2/NDF:11294.5/30

Out: -1.248+/-0.040 χ^2/NDF:8983.1/34

All: -1.246+/-0.027 χ^2/NDF: 20277.6/65

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.134+/-0.002 χ^2/NDF:3135.8/15

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.095+/-0.002 χ^2/NDF:3220.2/14

Left: -0.111+/-0.001 χ^2/NDF: 6527.4/30

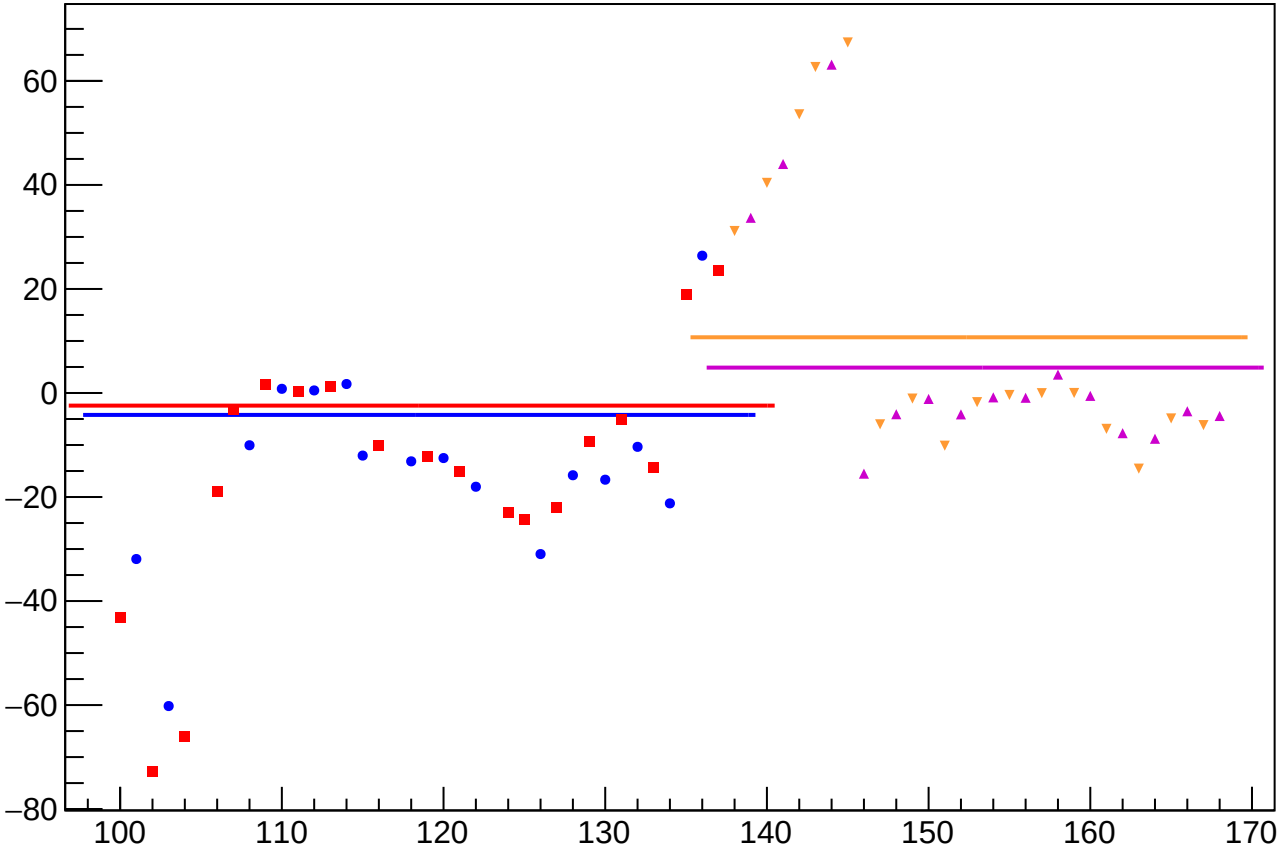
Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.125+/-0.002 χ^2/NDF:16745.2/30

Out: -0.142+/-0.002 χ^2/NDF:18689.5/34

All: -0.132+/-0.001 χ^2/NDF: 35477.1/65

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 10.710+/-0.064 χ^2/NDF:145322.7/15

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 4.880+/-0.054 χ^2/NDF:119979.9/14

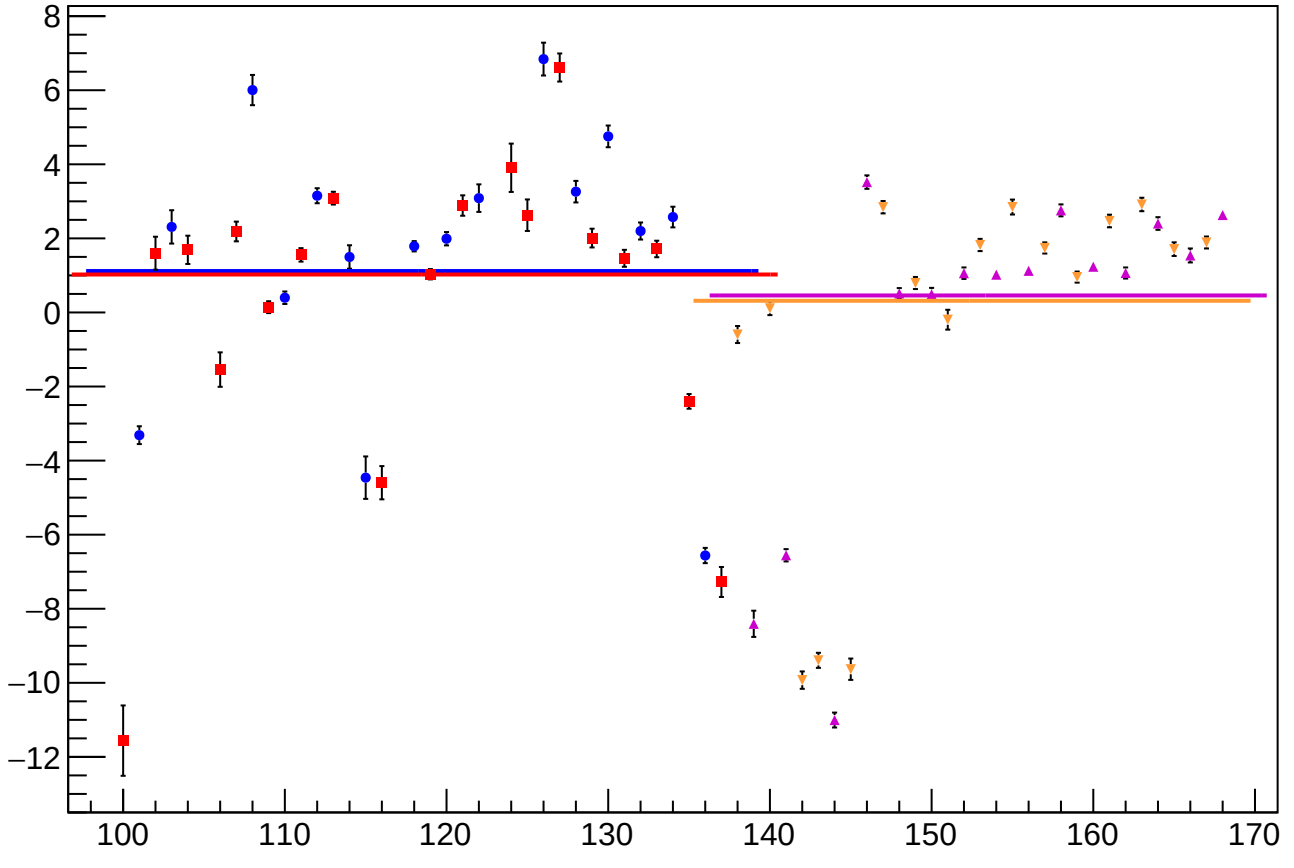
Left: 7.328+/-0.041 χ^2/NDF: 270176.5/30

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.382+/-0.038 χ^2/NDF:209159.5/30

Out: 2.107+/-0.037 χ^2/NDF:253981.9/34

All: 1.270+/-0.027 χ^2/NDF: 464176.2/65



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.315+/-0.046 χ^2/NDF:6489.3/15

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.459+/-0.039 χ^2/NDF:6695.0/14

Left: 0.399+/-0.030 χ^2/NDF: 13190.0/30

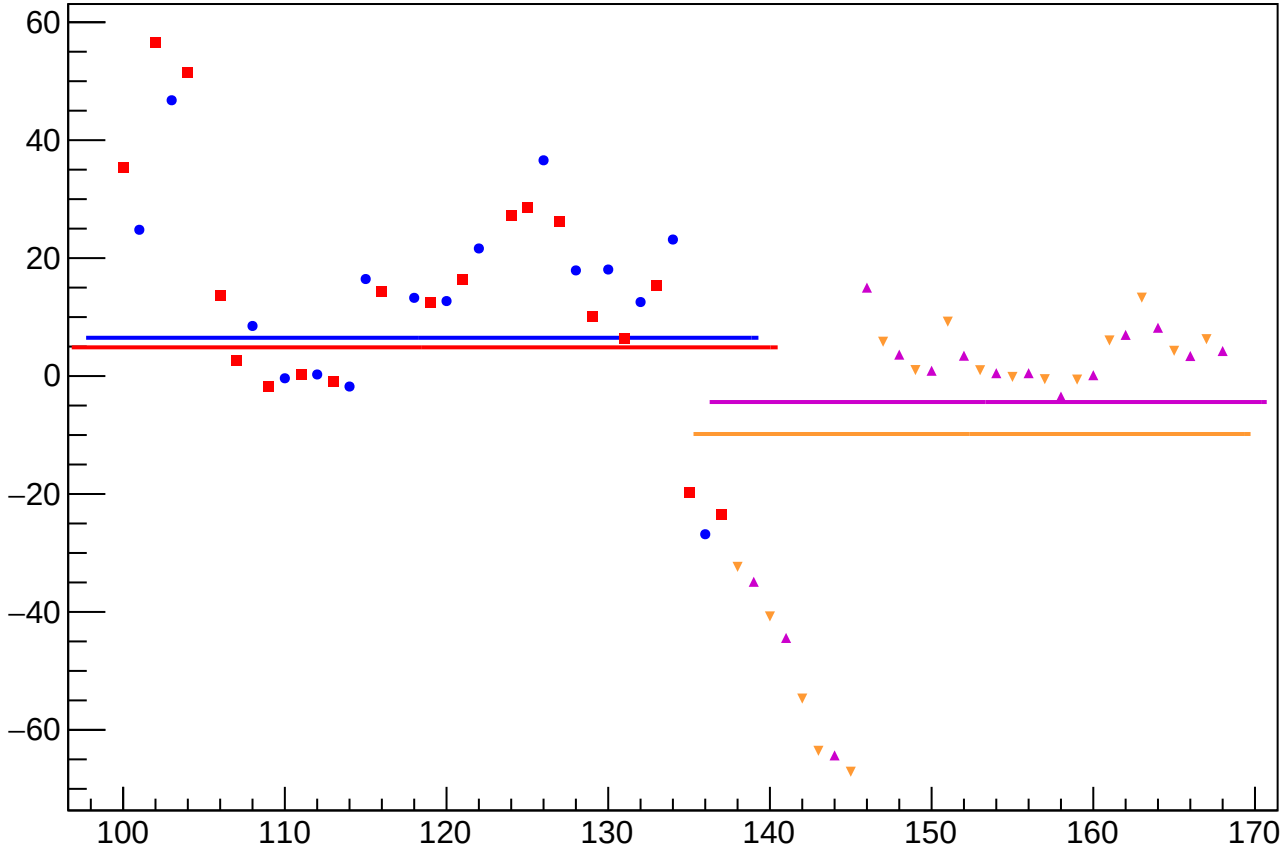
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.652+/-0.033 χ^2/NDF:9370.9/30

Out: 0.594+/-0.036 χ^2/NDF:8194.6/34

All: 0.626+/-0.024 χ^2/NDF: 17566.9/65

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -9.825+/-0.062 χ^2/NDF:142417.0/15

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -4.404+/-0.052 χ^2/NDF:117831.0/14

Left: -6.650+/-0.040 χ^2/NDF: 264724.1/30

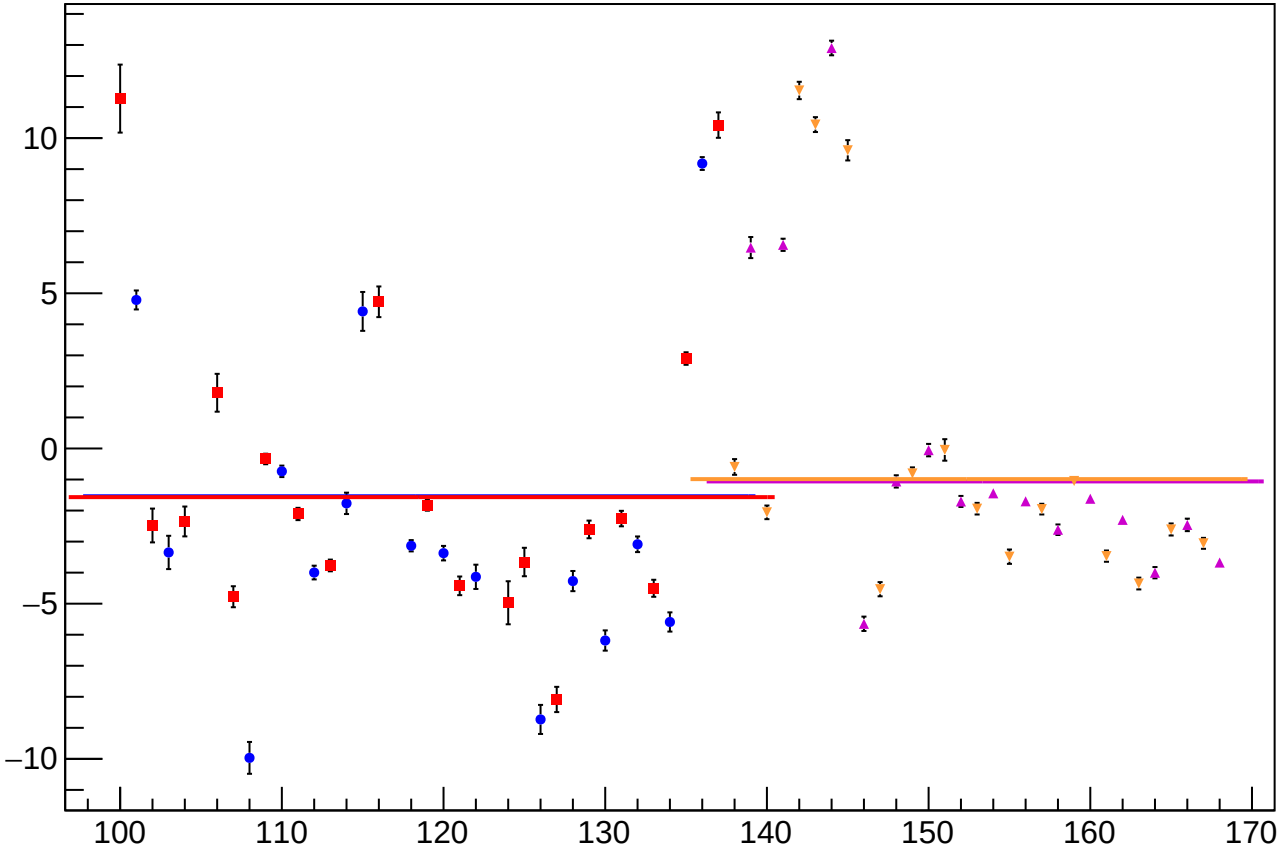
Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.156+/-0.041 χ^2/NDF:205483.6/30

Out: -2.137+/-0.043 χ^2/NDF:247060.3/34

All: -1.097+/-0.030 χ^2/NDF: 453667.9/65

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: -0.987+/-0.052 χ^2/NDF:6477.7/15

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.061+/-0.044 χ^2/NDF:6720.1/14

Left: -1.030+/-0.034 χ^2/NDF: 13199.0/30

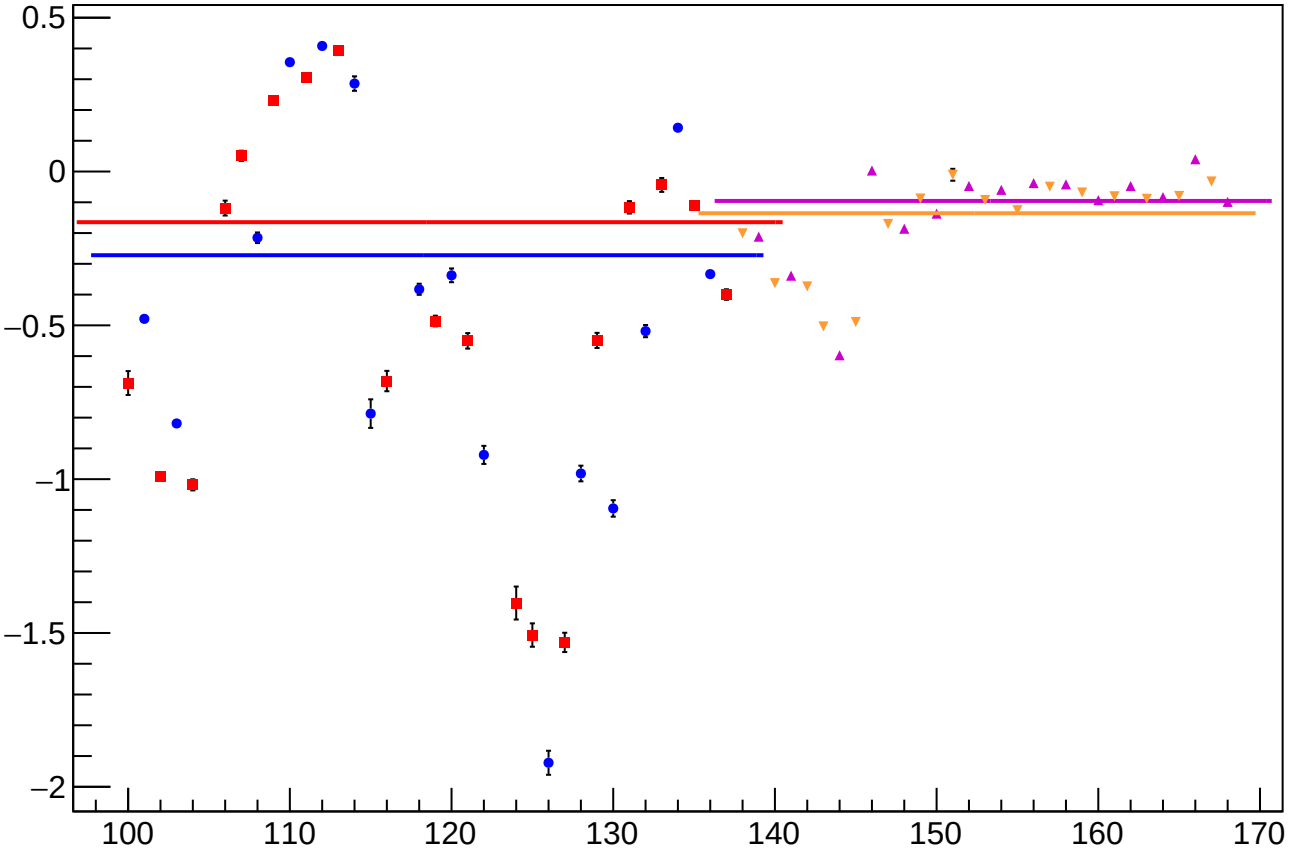
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.198+/-0.037 χ^2/NDF:11289.7/30

Out: -1.217+/-0.041 χ^2/NDF:9023.5/34

All: -1.207+/-0.027 χ^2/NDF: 20313.3/65

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: -0.136+/-0.002 χ^2/NDF:3132.8/15

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.096+/-0.002 χ^2/NDF:3222.6/14

Left: -0.112+/-0.001 χ^2/NDF: 6537.8/30

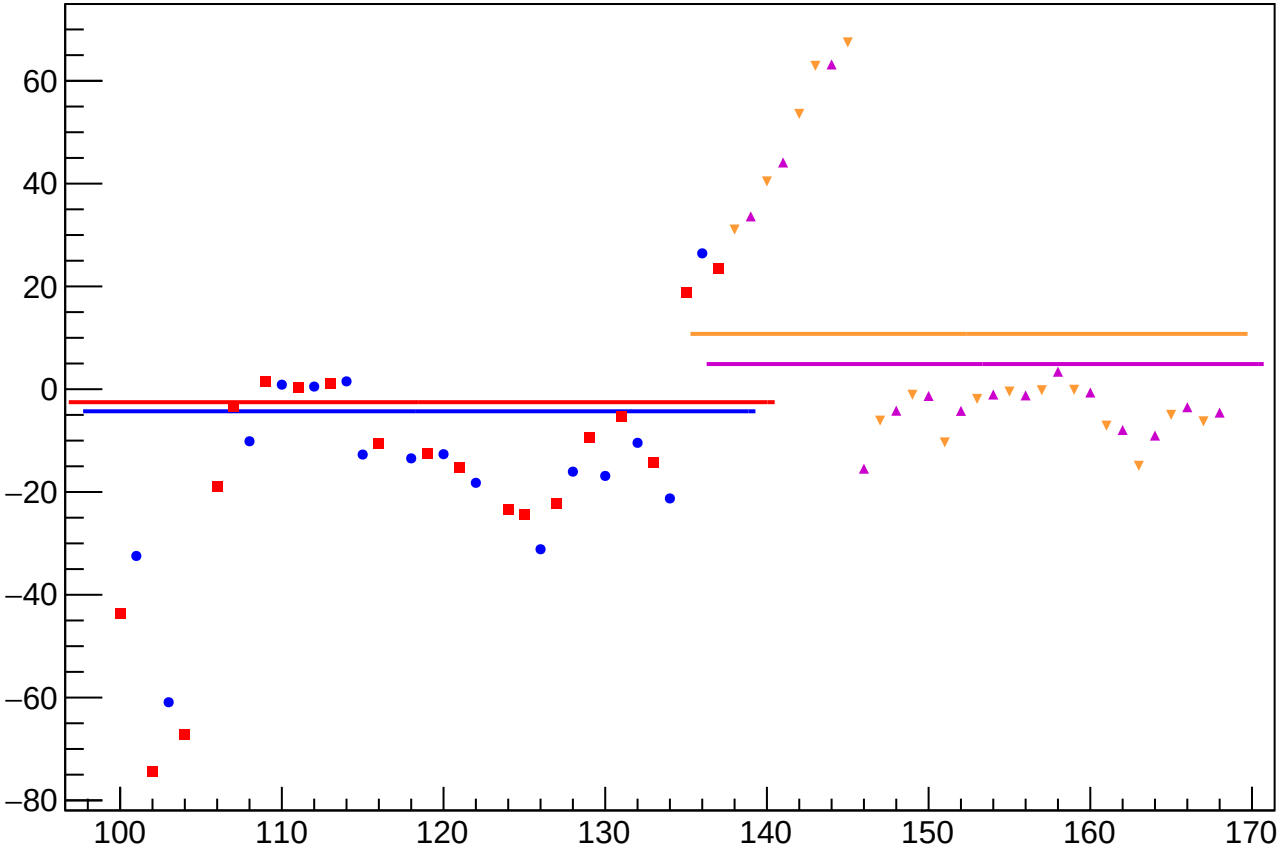
Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.125+/-0.002 χ^2/NDF:16784.9/30

Out: -0.143+/-0.002 χ^2/NDF:18666.3/34

All: -0.133+/-0.001 χ^2/NDF: 35499.5/65

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 10.768+/-0.065 χ^2/NDF:143290.8/15

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 4.895+/-0.055 χ^2/NDF:118067.1/14

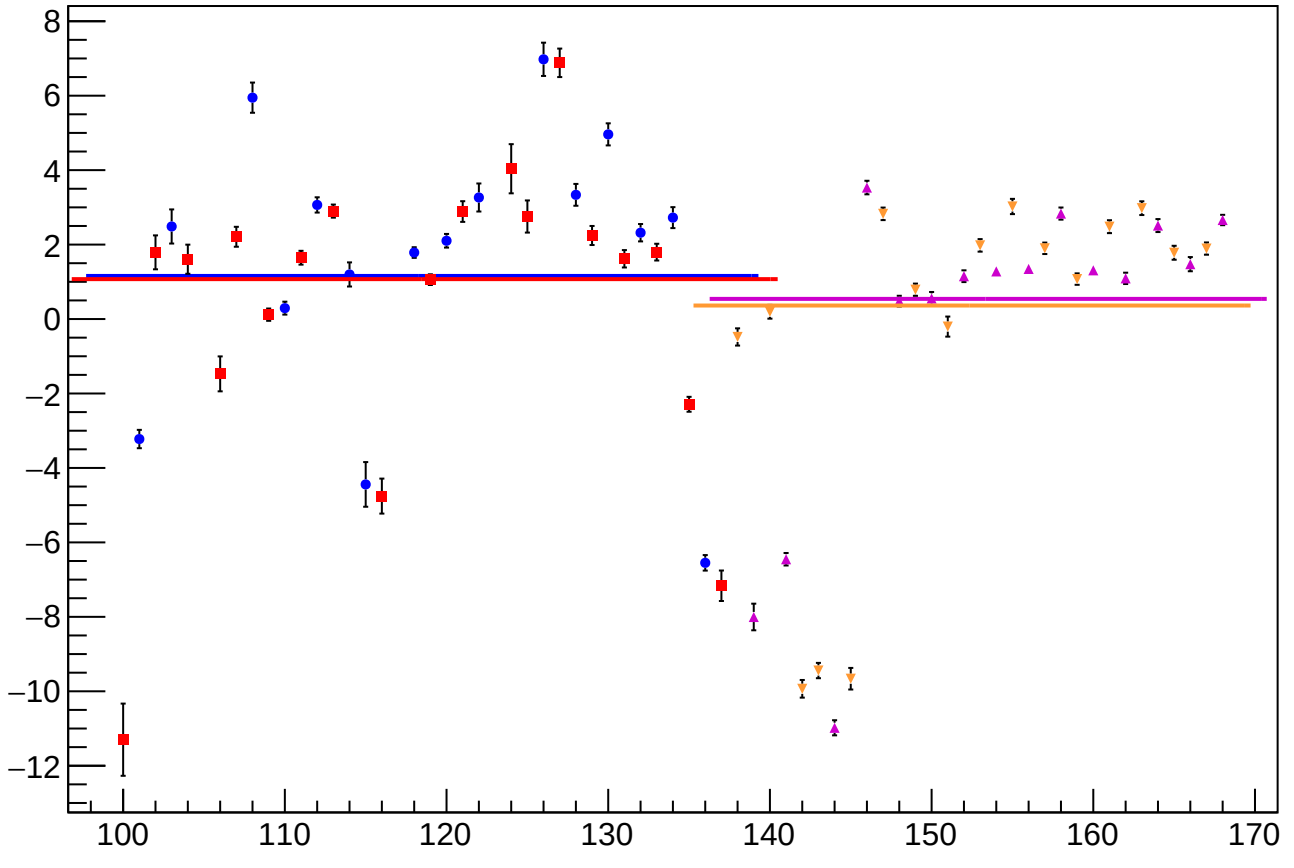
Left: 7.378+/-0.042 χ^2/NDF: 266139.7/30

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.342+/-0.039 χ^2/NDF:206008.9/30

Out: 2.113+/-0.038 χ^2/NDF:250810.4/34

All: 1.253+/-0.027 χ^2/NDF: 457867.5/65



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.363+/-0.047 χ^2/NDF:6463.4/15

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.541+/-0.040 χ^2/NDF:6535.3/14

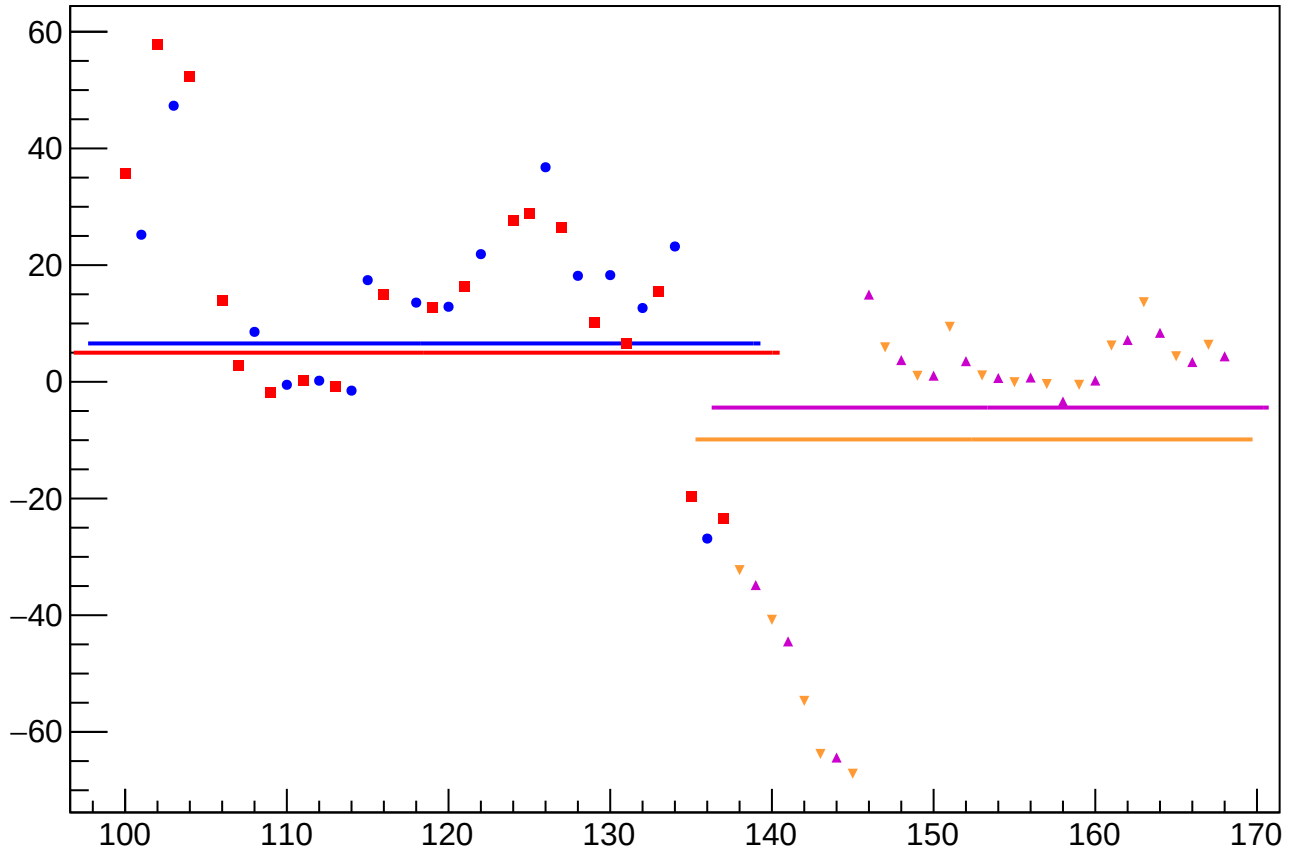
Left: 0.467+/-0.030 χ^2/NDF: 13007.3/30

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.723+/-0.033 χ^2/NDF:9156.1/30

Out: 0.640+/-0.036 χ^2/NDF:8104.9/34

All: 0.685+/-0.025 χ^2/NDF: 17263.8/65



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -9.875+/-0.063 χ^2/NDF:140420.5/15

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -4.413+/-0.053 χ^2/NDF:115941.5/14

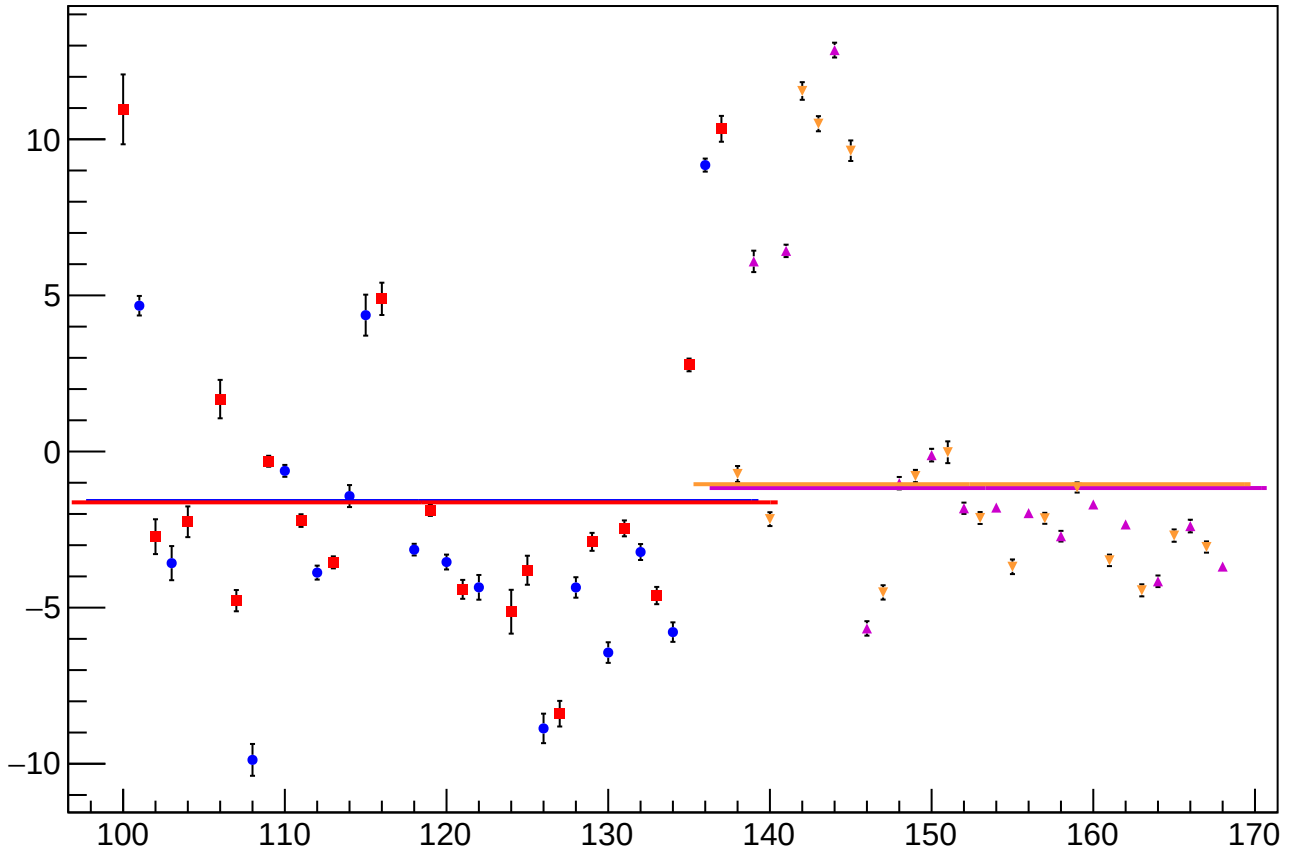
Left: -6.692+/-0.041 χ^2/NDF: 260755.9/30

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.113+/-0.042 χ^2/NDF:202354.4/30

Out: -2.141+/-0.044 χ^2/NDF:243932.7/34

All: -1.078+/-0.030 χ^2/NDF: 447422.5/65



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.047+/-0.053 χ^2/NDF:6449.2/15

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.170+/-0.045 χ^2/NDF:6550.2/14

Left: -1.118+/-0.034 χ^2/NDF: 13002.5/30

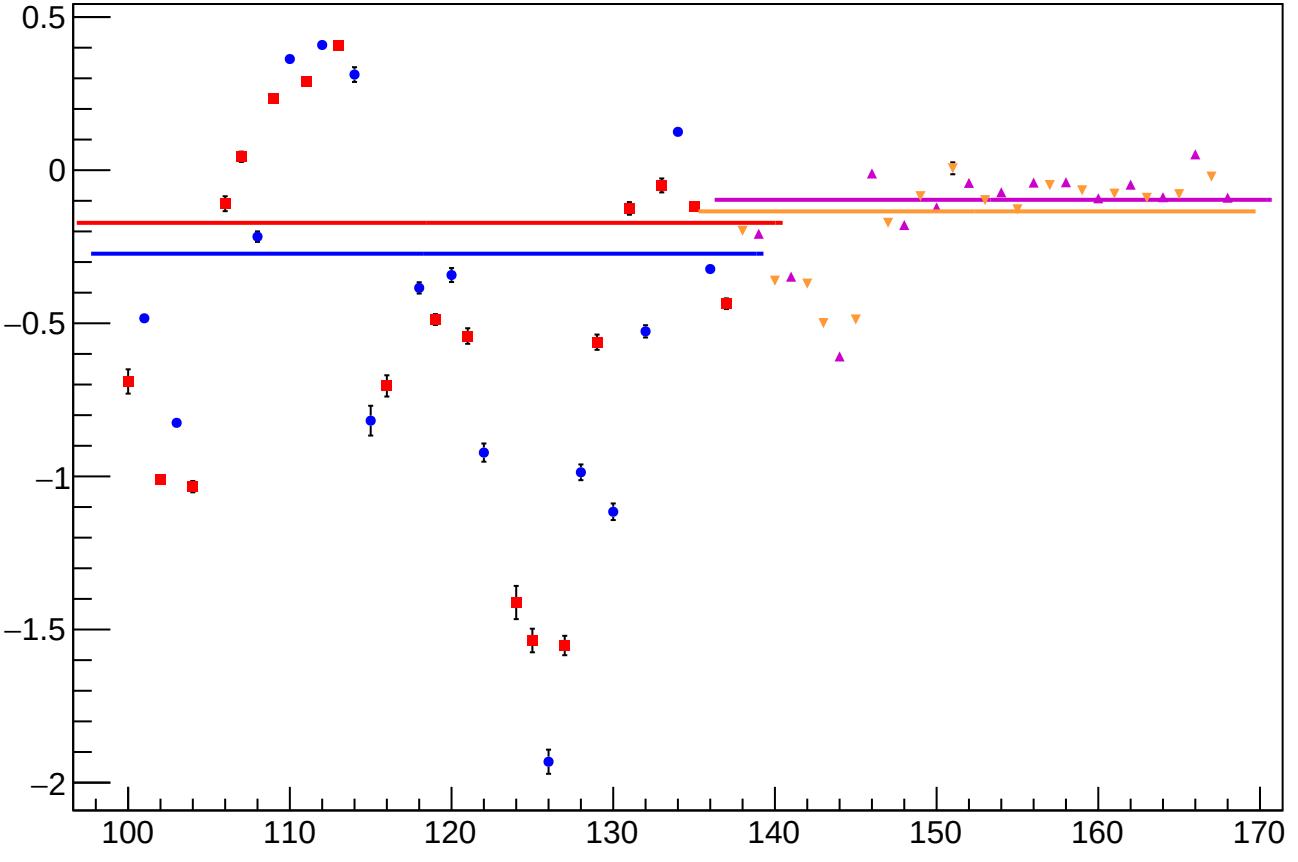
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.289+/-0.038 χ^2/NDF:11047.4/30

Out: -1.276+/-0.041 χ^2/NDF:8918.7/34

All: -1.283+/-0.028 χ^2/NDF: 19966.2/65

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: -0.134+/-0.002 χ^2/NDF:3081.2/15

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.097+/-0.002 χ^2/NDF:3227.9/14

Left: -0.112+/-0.001 χ^2/NDF: 6465.9/30

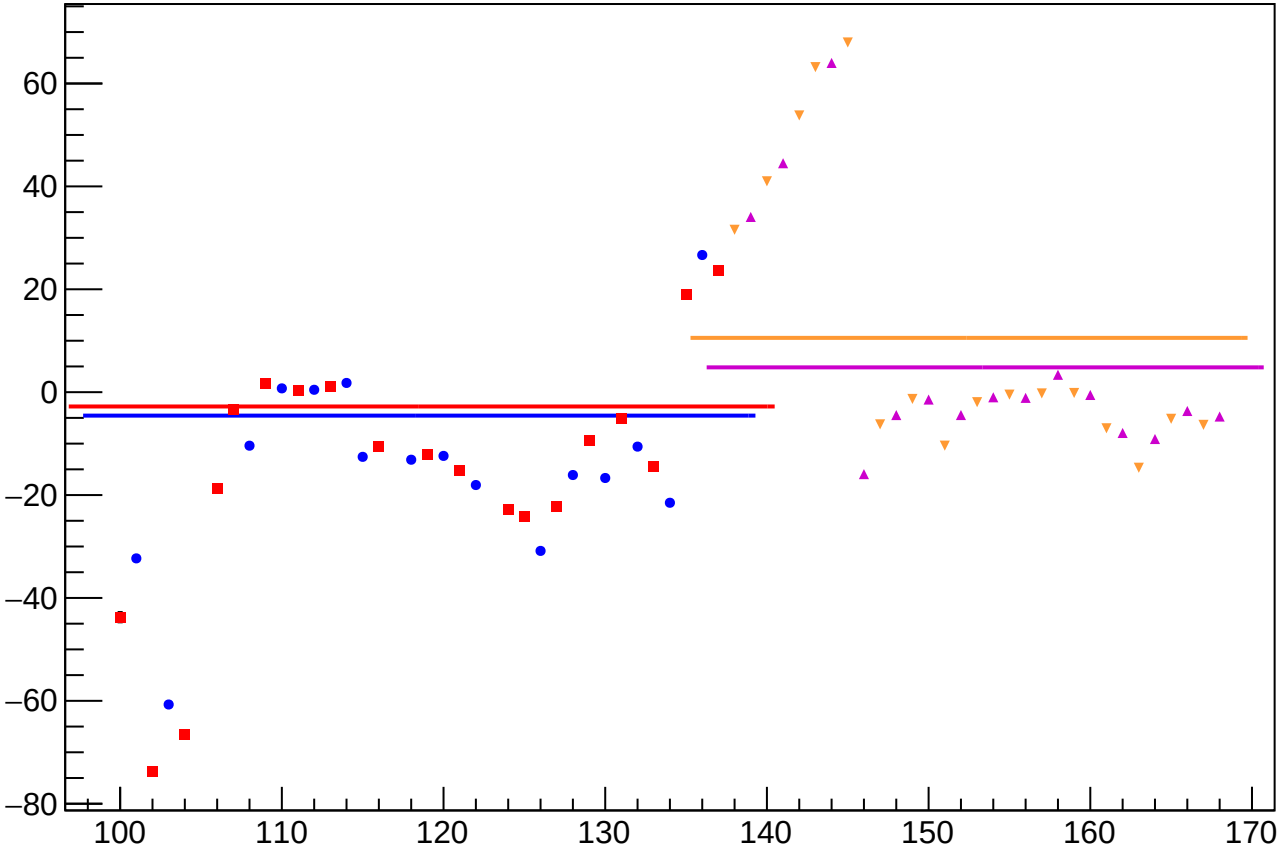
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.127+/-0.002 χ^2/NDF:16525.5/30

Out: -0.144+/-0.002 χ^2/NDF:18472.3/34

All: -0.134+/-0.001 χ^2/NDF: 35043.0/65

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 10.557+/-0.065 χ^2/NDF:141859.0/15

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 4.821+/-0.056 χ^2/NDF:116845.3/14

Left: 7.259+/-0.042 χ^2/NDF: 263163.4/30

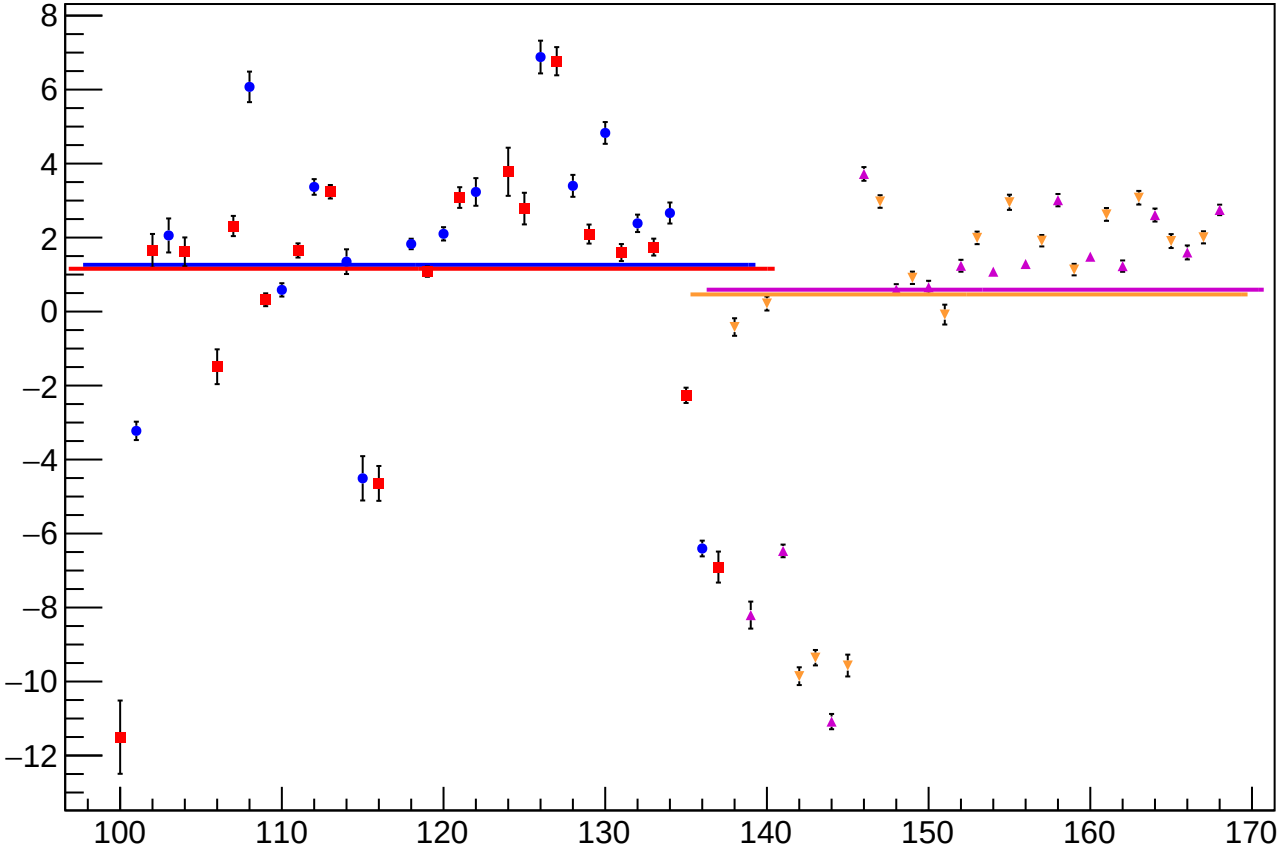
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.200+/-0.040 χ^2/NDF:203308.5/30

Out: 1.979+/-0.039 χ^2/NDF:246733.6/34

All: 1.111+/-0.028 χ^2/NDF: 451061.6/65

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: 0.463+/-0.047 χ^2/NDF:6300.1/15

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.591+/-0.040 χ^2/NDF:6496.8/14

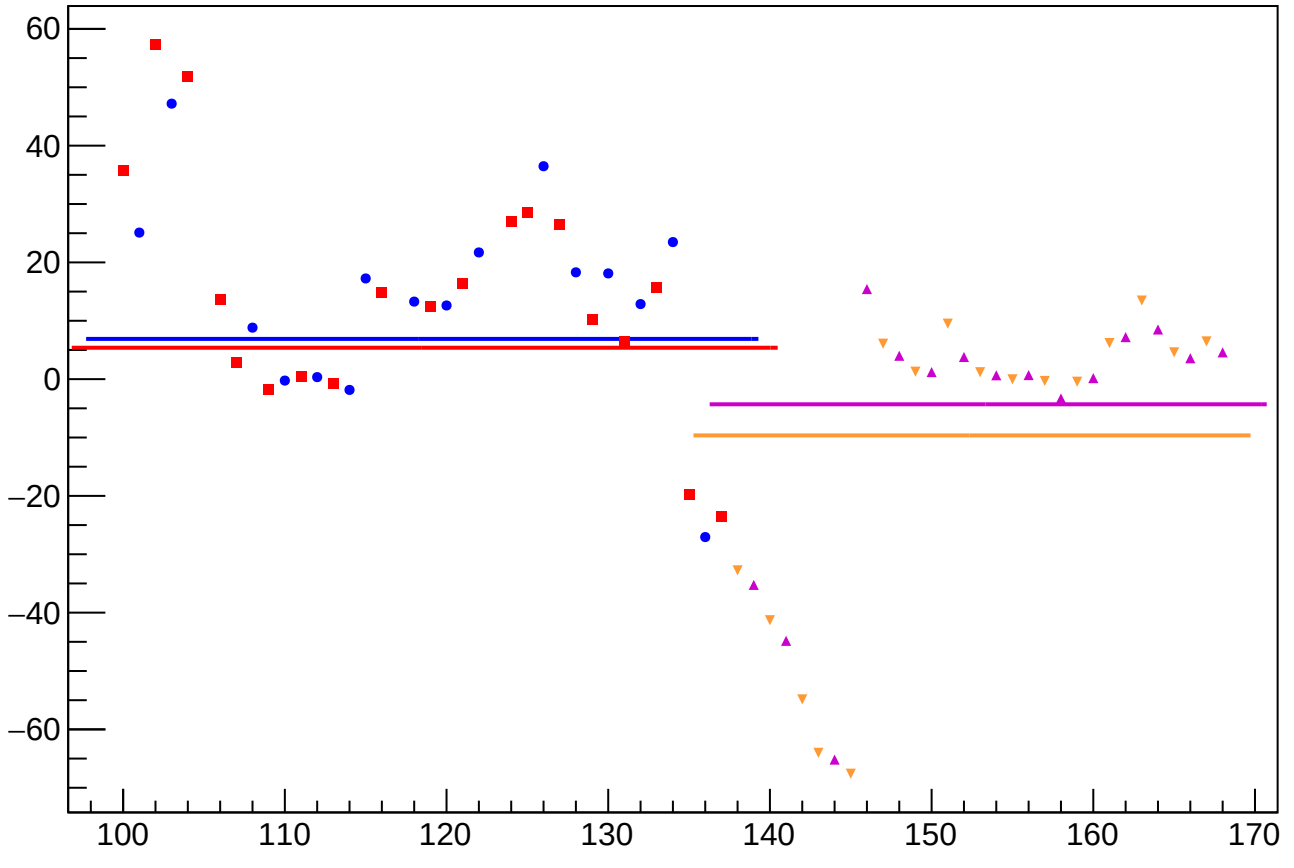
Left: 0.537+/-0.031 χ^2/NDF: 12801.2/30

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.790+/-0.034 χ^2/NDF:9023.2/30

Out: 0.733+/-0.037 χ^2/NDF:7875.0/34

All: 0.764+/-0.025 χ^2/NDF: 16899.5/65



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -9.637+/-0.063 χ^2/NDF:138842.6/15

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -4.309+/-0.054 χ^2/NDF:114682.9/14

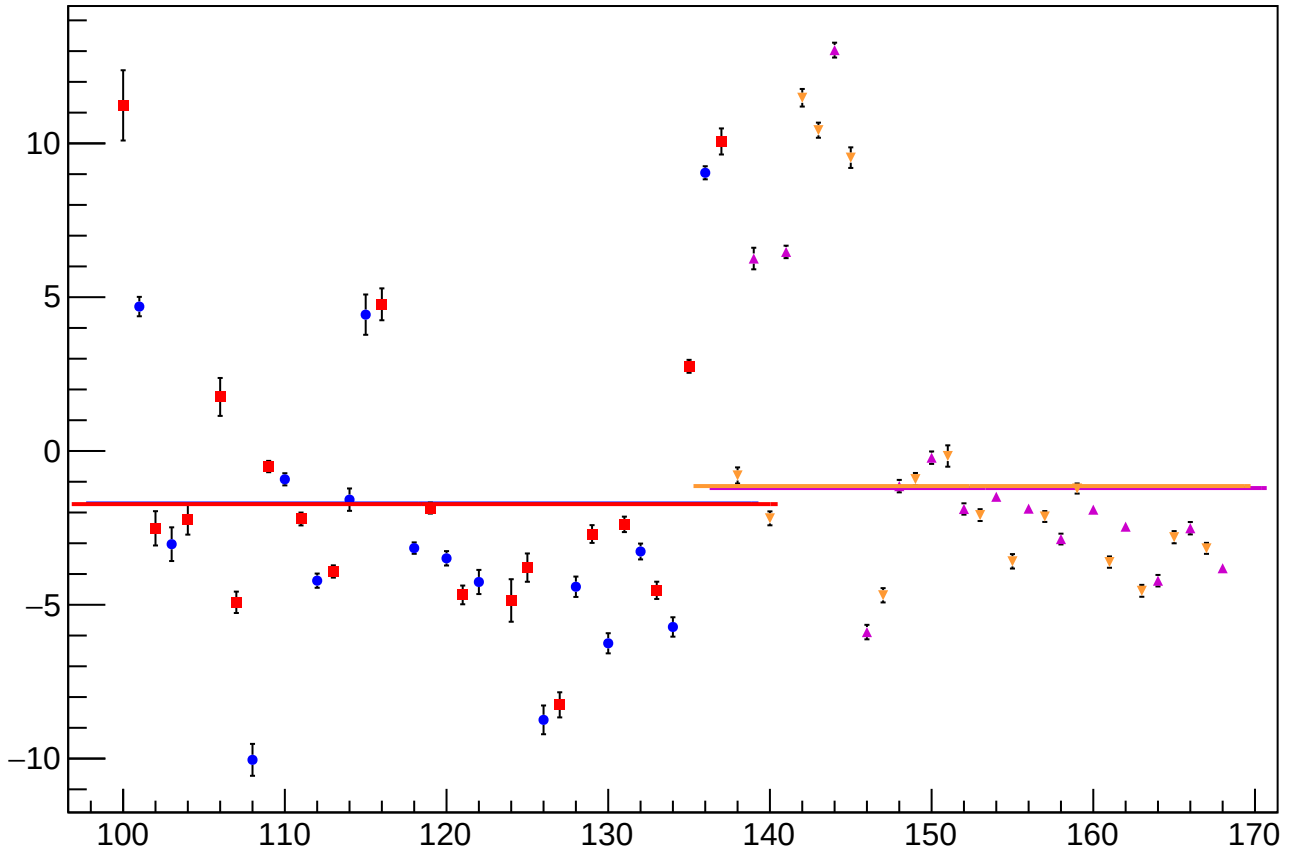
Left: -6.544+/-0.041 χ^2/NDF: 257613.9/30

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.071+/-0.042 χ^2/NDF:199578.0/30

Out: -1.912+/-0.044 χ^2/NDF:239856.5/34

All: -0.872+/-0.031 χ^2/NDF: 440488.6/65



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.141+/-0.053 χ^2/NDF:6297.3/15

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.205+/-0.046 χ^2/NDF:6540.3/14

Left: -1.178+/-0.035 χ^2/NDF: 12838.4/30

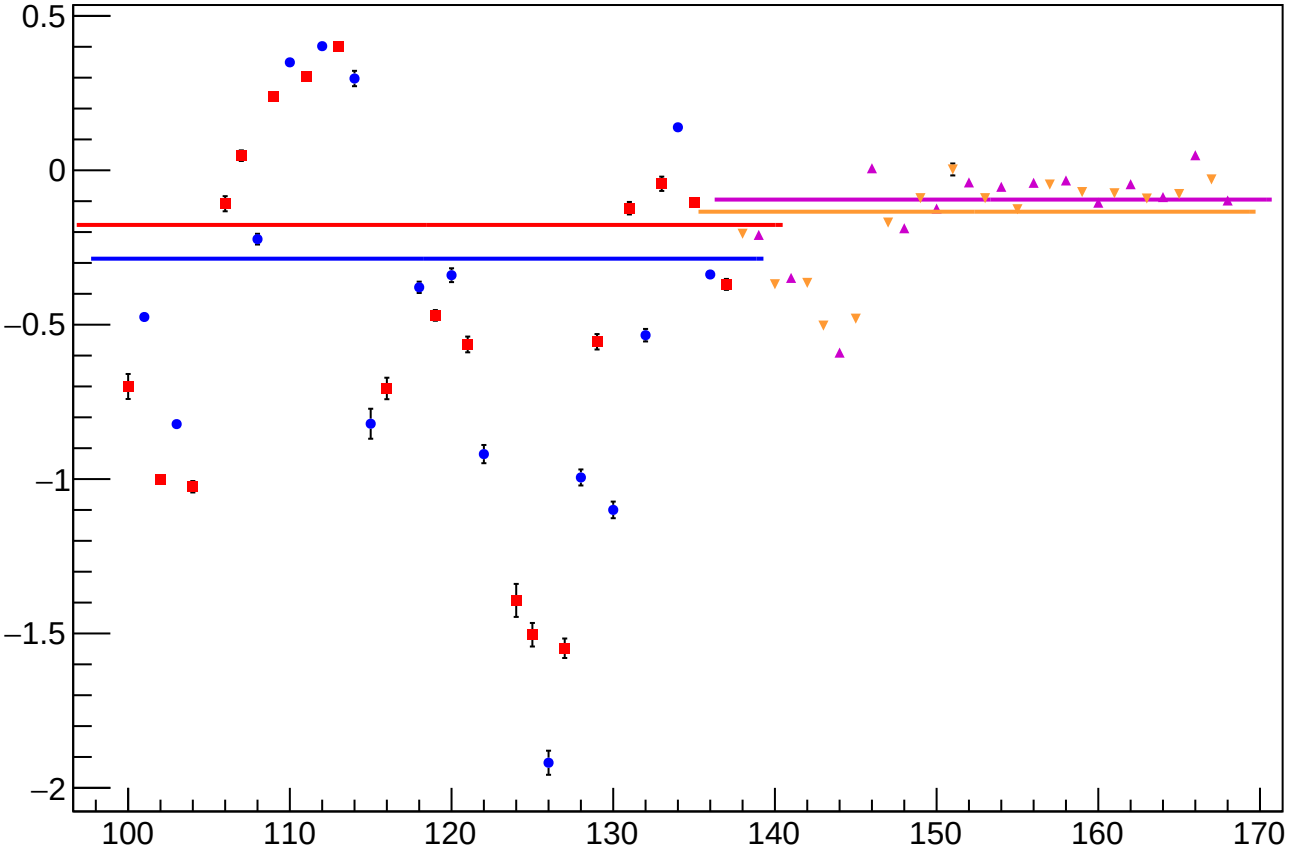
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.351+/-0.038 χ^2/NDF:10865.1/30

Out: -1.369+/-0.042 χ^2/NDF:8653.9/34

All: -1.359+/-0.028 χ^2/NDF: 19519.1/65

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: -0.134+/-0.002 χ^2/NDF:3007.5/15

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.095+/-0.002 χ^2/NDF:3119.0/14

Left: -0.111+/-0.001 χ^2/NDF: 6292.3/30

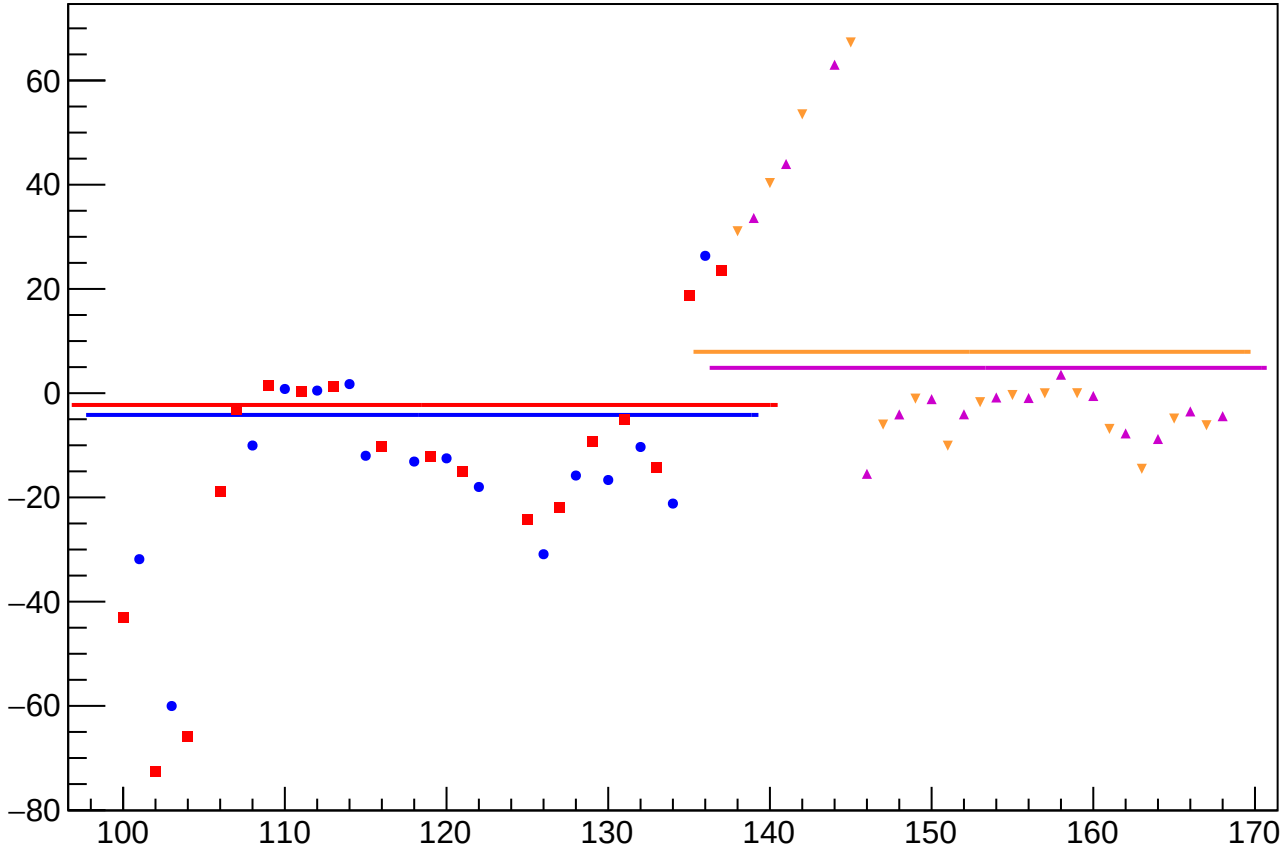
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.127+/-0.002 χ^2/NDF:16138.5/30

Out: -0.145+/-0.002 χ^2/NDF:17862.1/34

All: -0.135+/-0.001 χ^2/NDF: 34044.7/65

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: 7.938+/-0.065 χ^2/NDF:110067.9/14

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 4.859+/-0.054 χ^2/NDF:120229.4/14

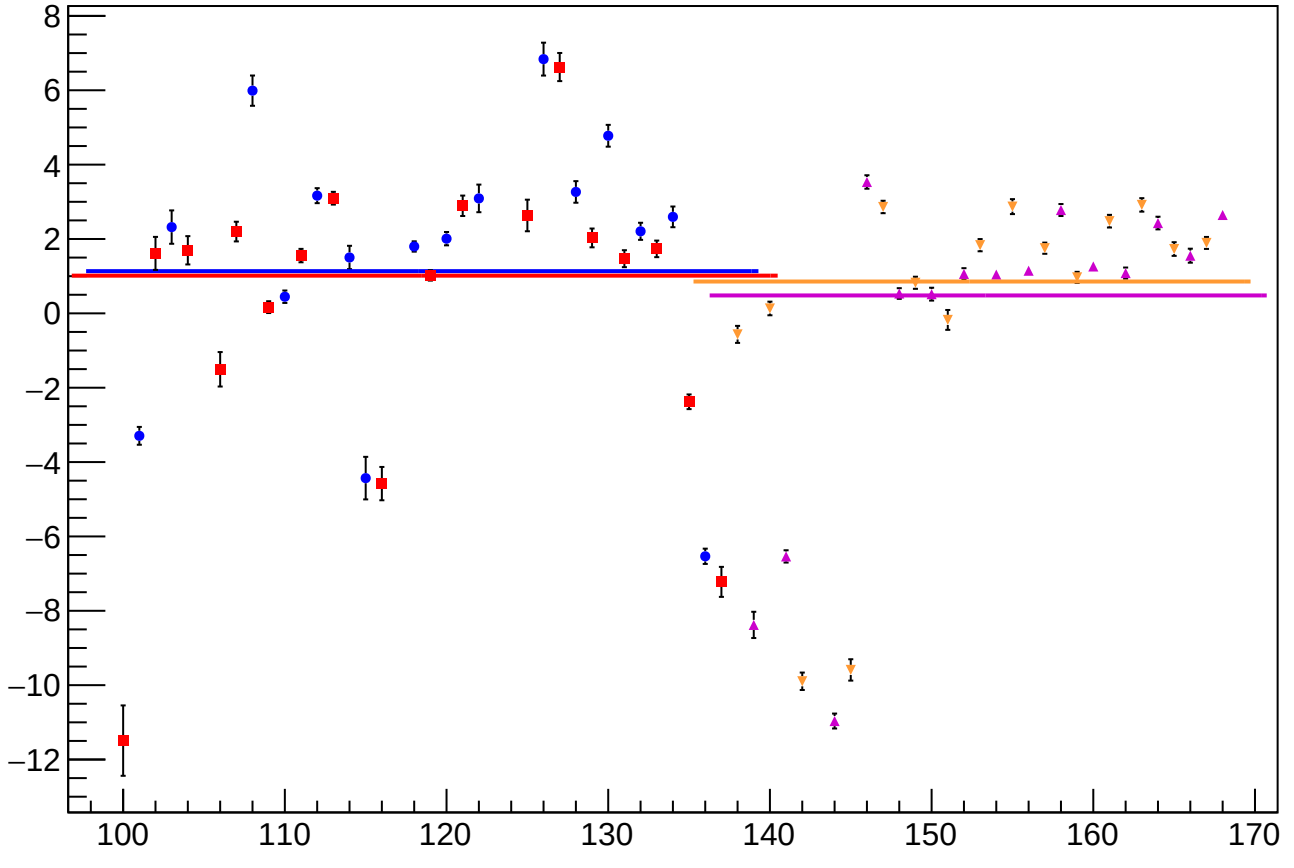
Left: 6.112+/-0.042 χ^2/NDF: 231624.8/29

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.389+/-0.038 χ^2/NDF:209521.9/30

Out: 1.142+/-0.038 χ^2/NDF:206067.2/32

All: 0.772+/-0.027 χ^2/NDF: 415786.1/63



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.856+/-0.047 χ^2/NDF:4096.0/14

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.482+/-0.039 χ^2/NDF:6717.2/14

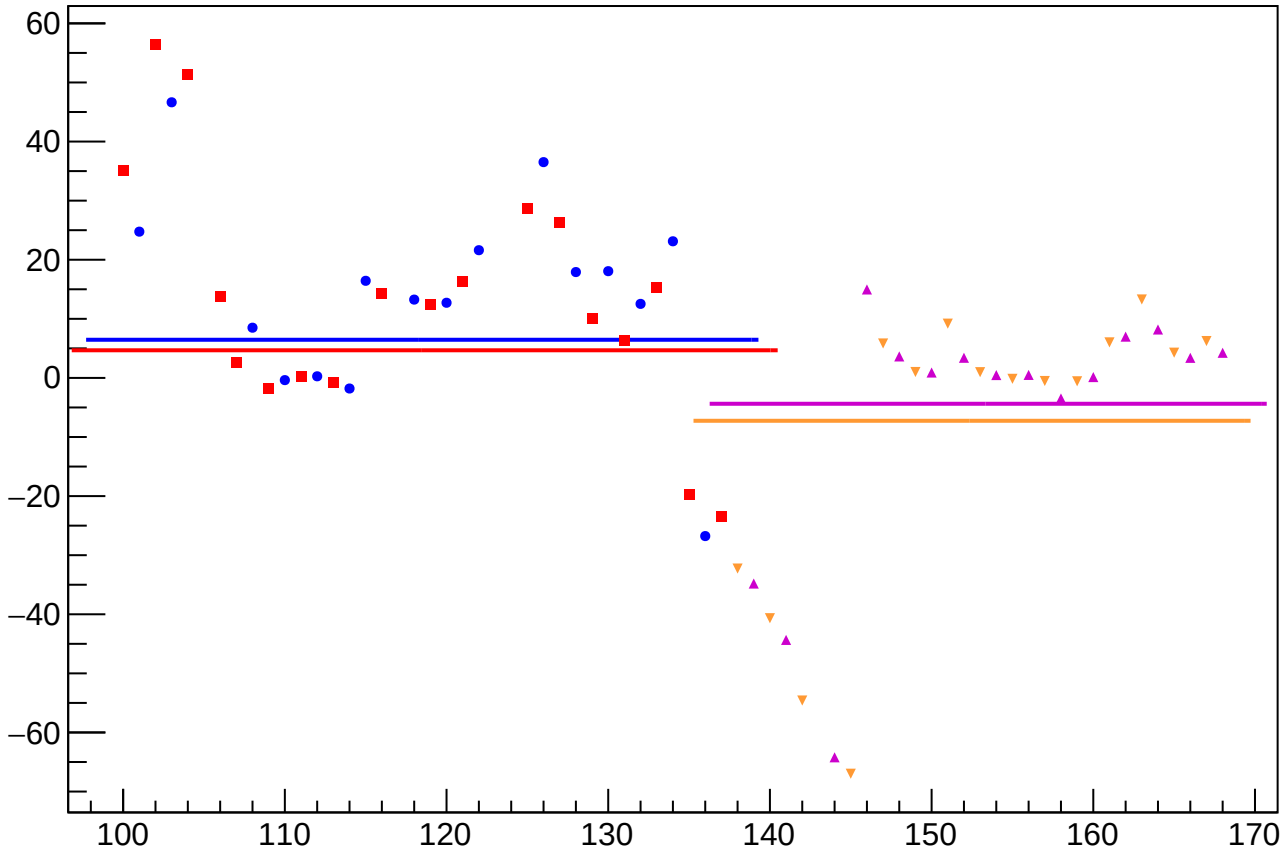
Left: 0.633+/-0.030 χ^2/NDF: 10850.9/29

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.673+/-0.033 χ^2/NDF:9396.3/30

Out: 0.920+/-0.036 χ^2/NDF:5693.5/32

All: 0.783+/-0.024 χ^2/NDF: 15115.5/63



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -7.253+/-0.063 χ^2/NDF:106978.9/14

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -4.375+/-0.052 χ^2/NDF:118066.8/14

Left: -5.534+/-0.040 χ^2/NDF: 226283.0/29

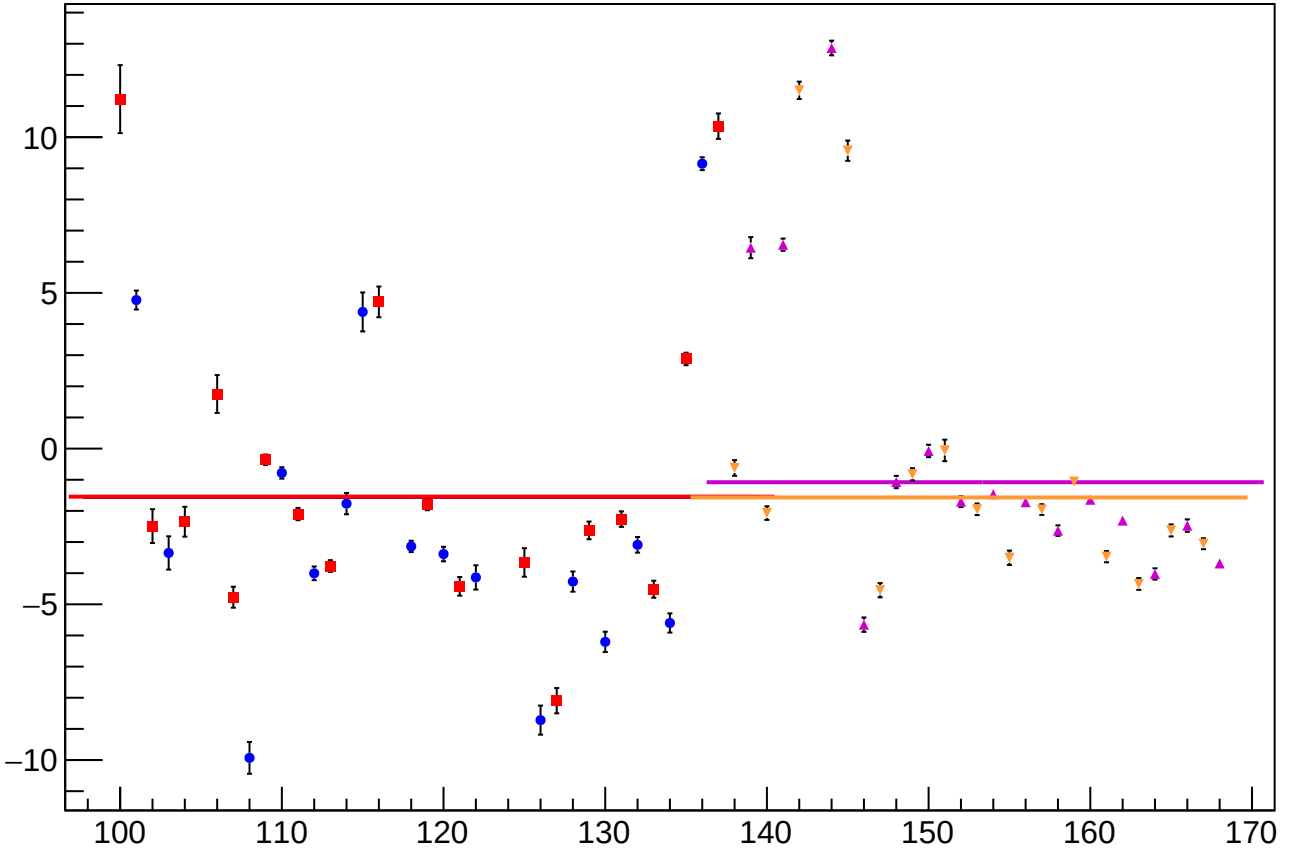
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.152+/-0.041 χ^2/NDF:205826.4/30

Out: -0.883+/-0.043 χ^2/NDF:200390.7/32

All: -0.494+/-0.030 χ^2/NDF: 406369.4/63

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.568+/-0.053 χ^2/NDF:4098.7/14

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.079+/-0.044 χ^2/NDF:6740.2/14

Left: -1.277+/-0.034 χ^2/NDF: 10888.9/29

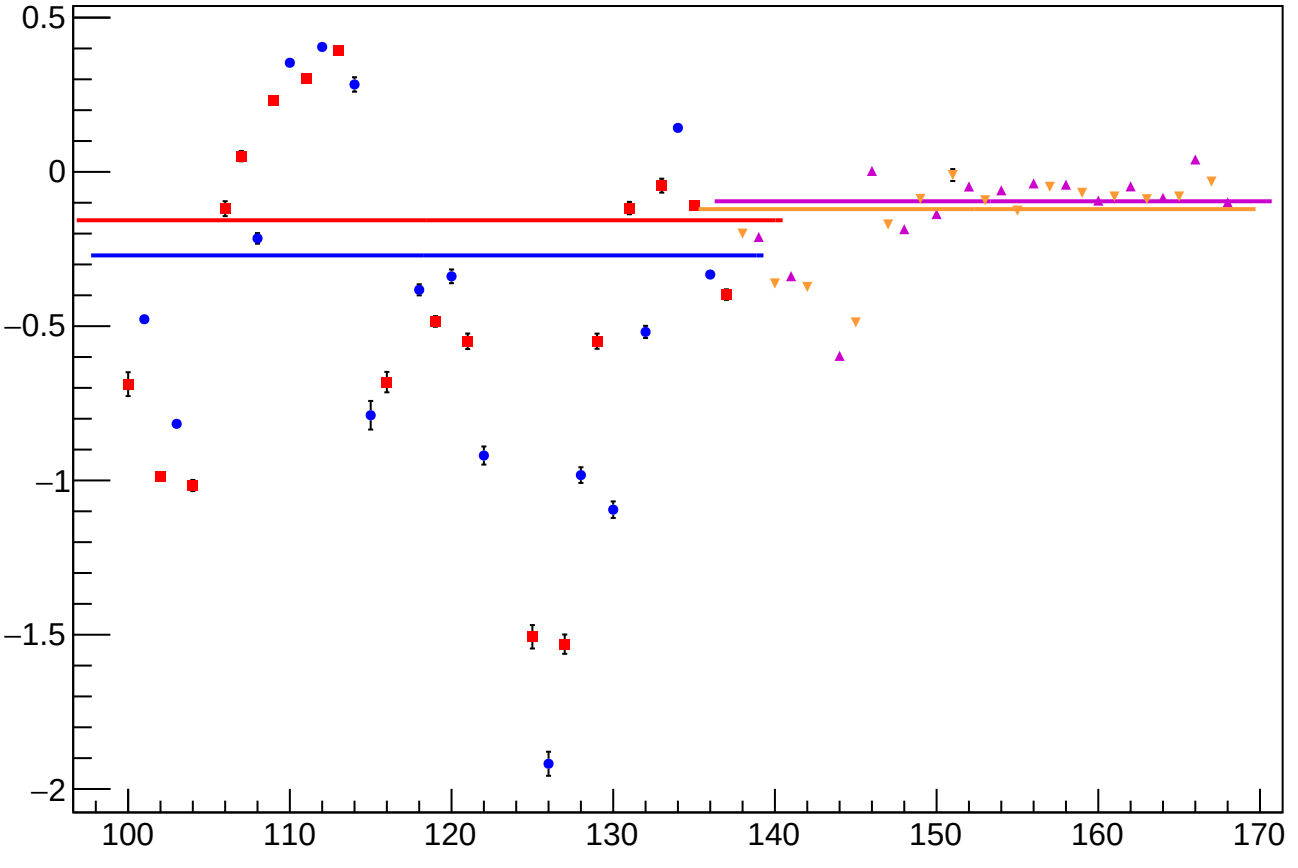
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.215+/-0.037 χ^2/NDF:11317.0/30

Out: -1.558+/-0.041 χ^2/NDF:6571.8/32

All: -1.369+/-0.028 χ^2/NDF: 17927.2/63

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: -0.121+/-0.002 χ^2/NDF:2140.7/14

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.1/14

Left: -0.105+/-0.001 χ^2/NDF: 5443.1/29

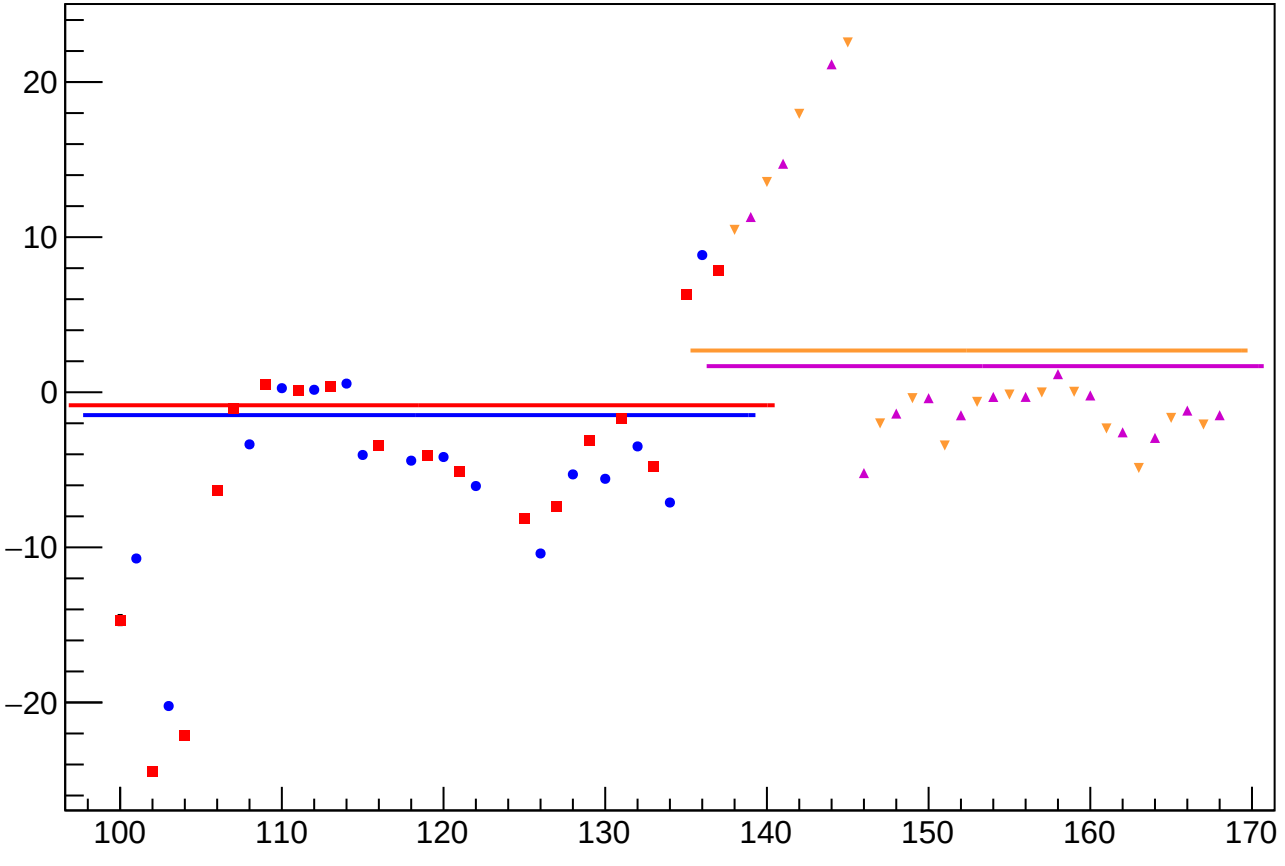
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.125+/-0.002 χ^2/NDF:16818.4/30

Out: -0.131+/-0.002 χ^2/NDF:17225.5/32

All: -0.127+/-0.001 χ^2/NDF: 34048.8/63

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 2.692+/-0.022 χ^2/NDF:108149.1/14

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.684+/-0.019 χ^2/NDF:117592.1/14

Left: 2.098+/-0.014 χ^2/NDF: 226956.4/29

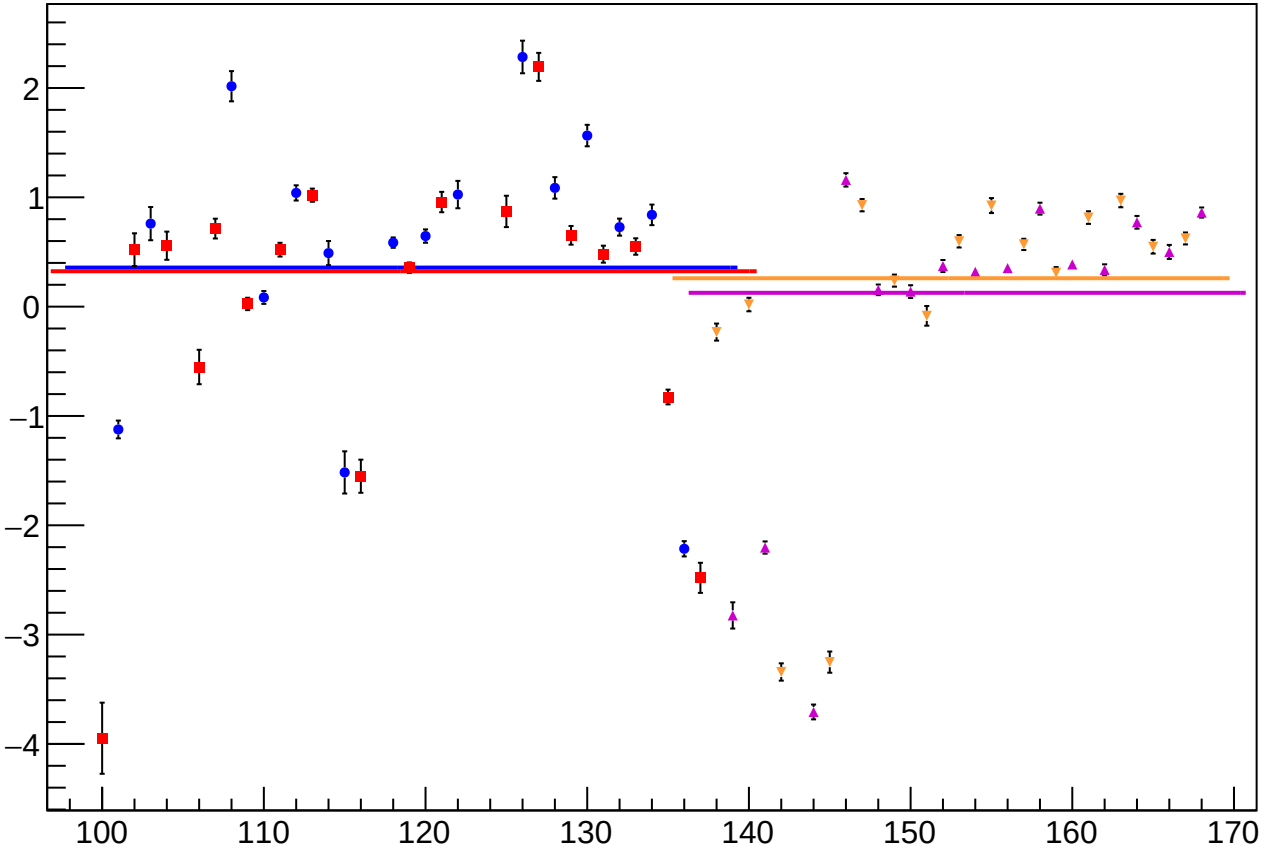
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.122+/-0.013 χ^2/NDF:205669.1/30

Out: 0.372+/-0.013 χ^2/NDF:202790.9/32

All: 0.249+/-0.009 χ^2/NDF: 408642.2/63

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.260+/-0.016 χ^2/NDF:4045.5/14

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.127+/-0.013 χ^2/NDF:6546.8/14

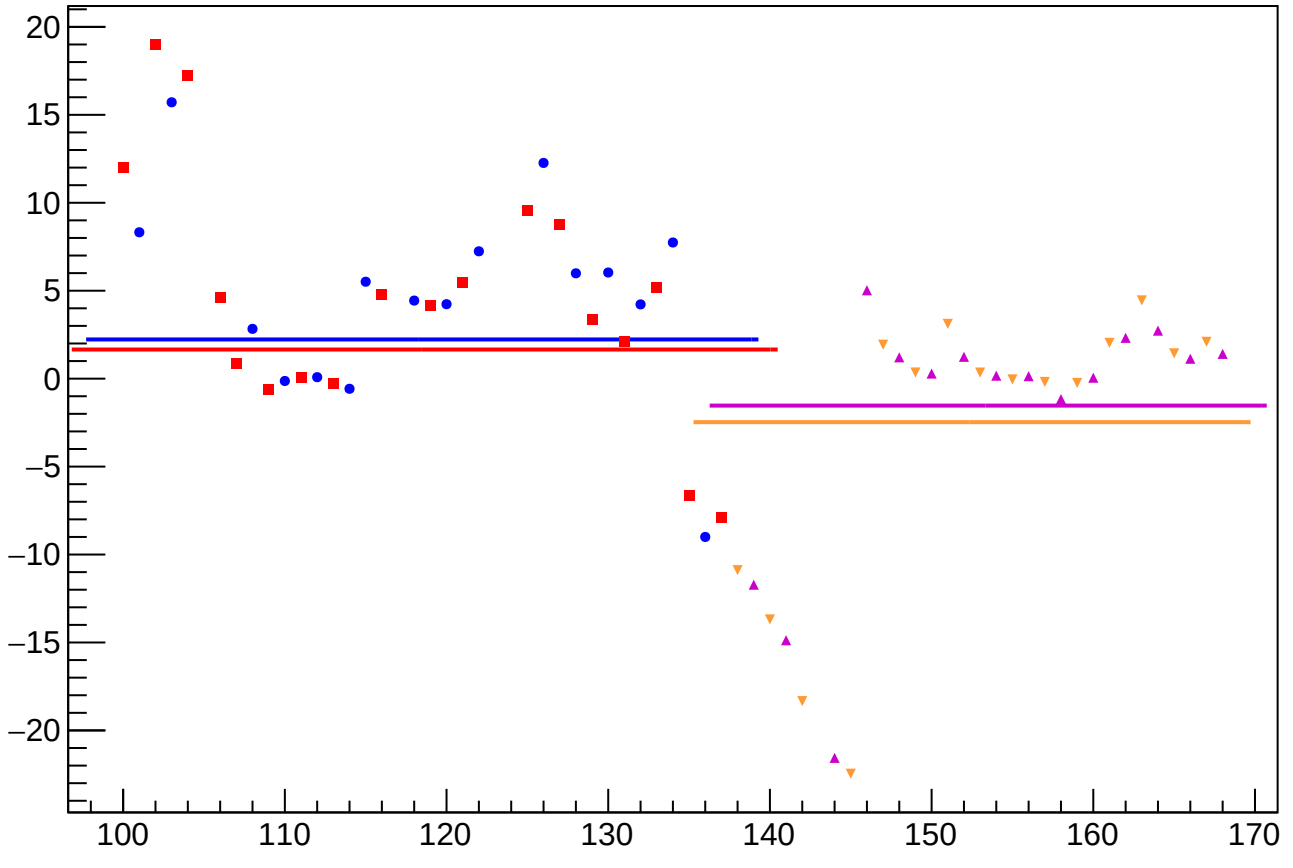
Left: 0.181+/-0.010 χ^2/NDF: 10633.0/29

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.195+/-0.011 χ^2/NDF:9178.4/30

Out: 0.285+/-0.012 χ^2/NDF:5610.8/32

All: 0.235+/-0.008 χ^2/NDF: 14818.5/63



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.474+/-0.022 χ^2/NDF:105137.4/14

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.532+/-0.018 χ^2/NDF:115546.6/14

Left: -1.915+/-0.014 χ^2/NDF: 221815.0/29

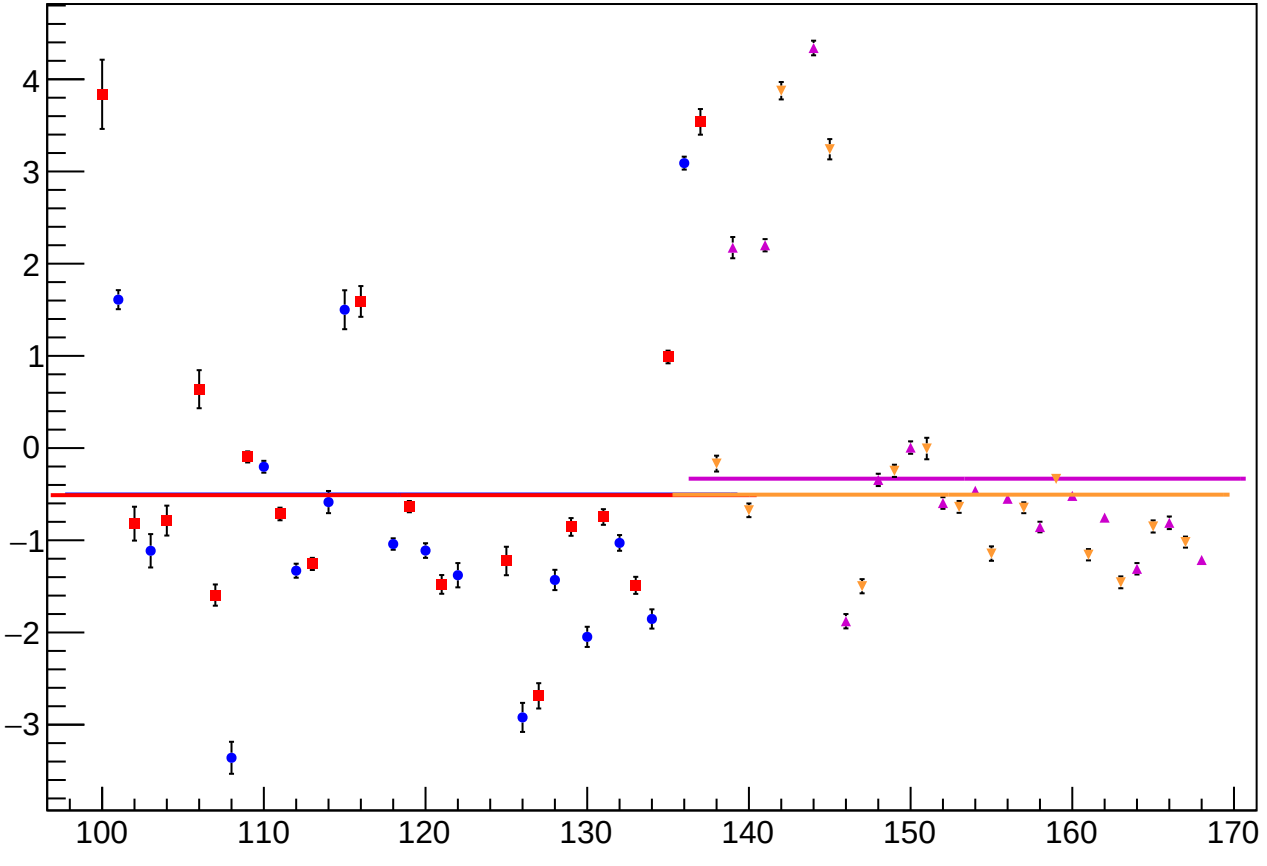
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.058+/-0.014 χ^2/NDF:202095.6/30

Out: -0.297+/-0.015 χ^2/NDF:197240.9/32

All: -0.170+/-0.010 χ^2/NDF: 399475.0/63

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: -0.505+/-0.018 χ^2/NDF:4052.5/14

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.332+/-0.015 χ^2/NDF:6578.8/14

Left: -0.403+/-0.012 χ^2/NDF: 10684.9/29

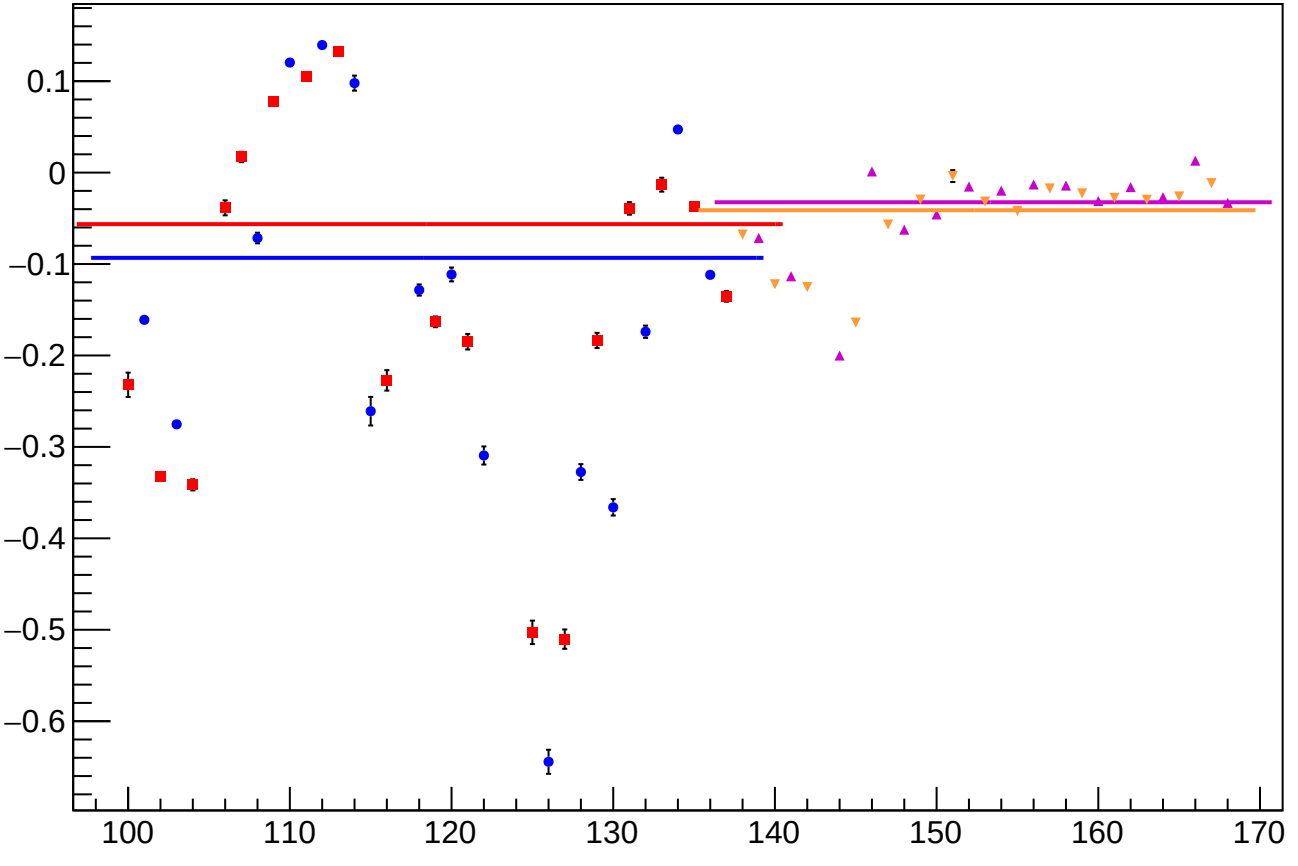
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.382+/-0.013 χ^2/NDF:11063.3/30

Out: -0.507+/-0.014 χ^2/NDF:6476.5/32

All: -0.438+/-0.009 χ^2/NDF: 17583.6/63

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: -0.041+/-0.001 χ^2/NDF:2094.3/14

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.032+/-0.001 χ^2/NDF:3153.9/14

Left: -0.036+/-0.000 χ^2/NDF: 5320.8/29

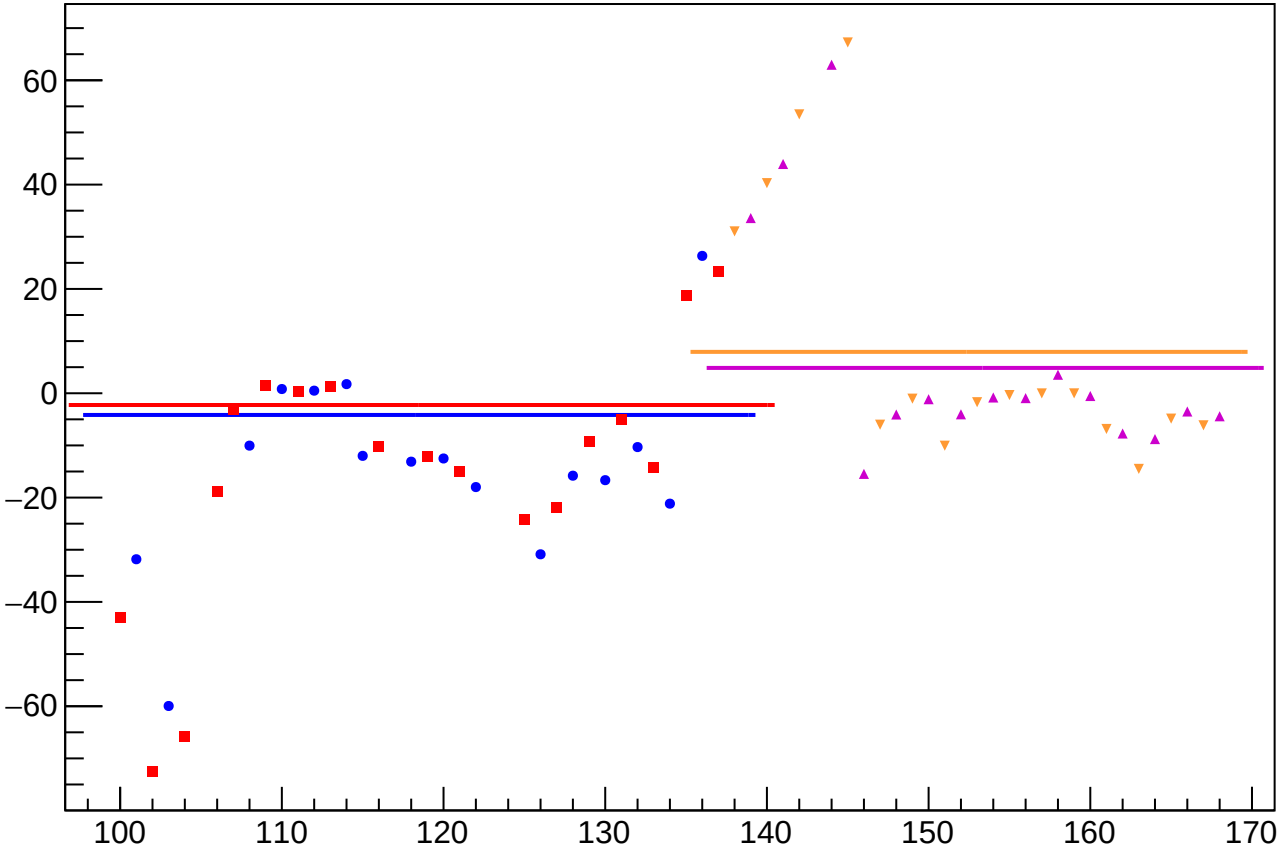
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.043+/-0.001 χ^2/NDF:16428.2/30

Out: -0.045+/-0.001 χ^2/NDF:16650.5/32

All: -0.044+/-0.000 χ^2/NDF: 33086.1/63

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: 7.935+/-0.065 χ^2/NDF:110050.2/14

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 4.858+/-0.054 χ^2/NDF:120245.3/14

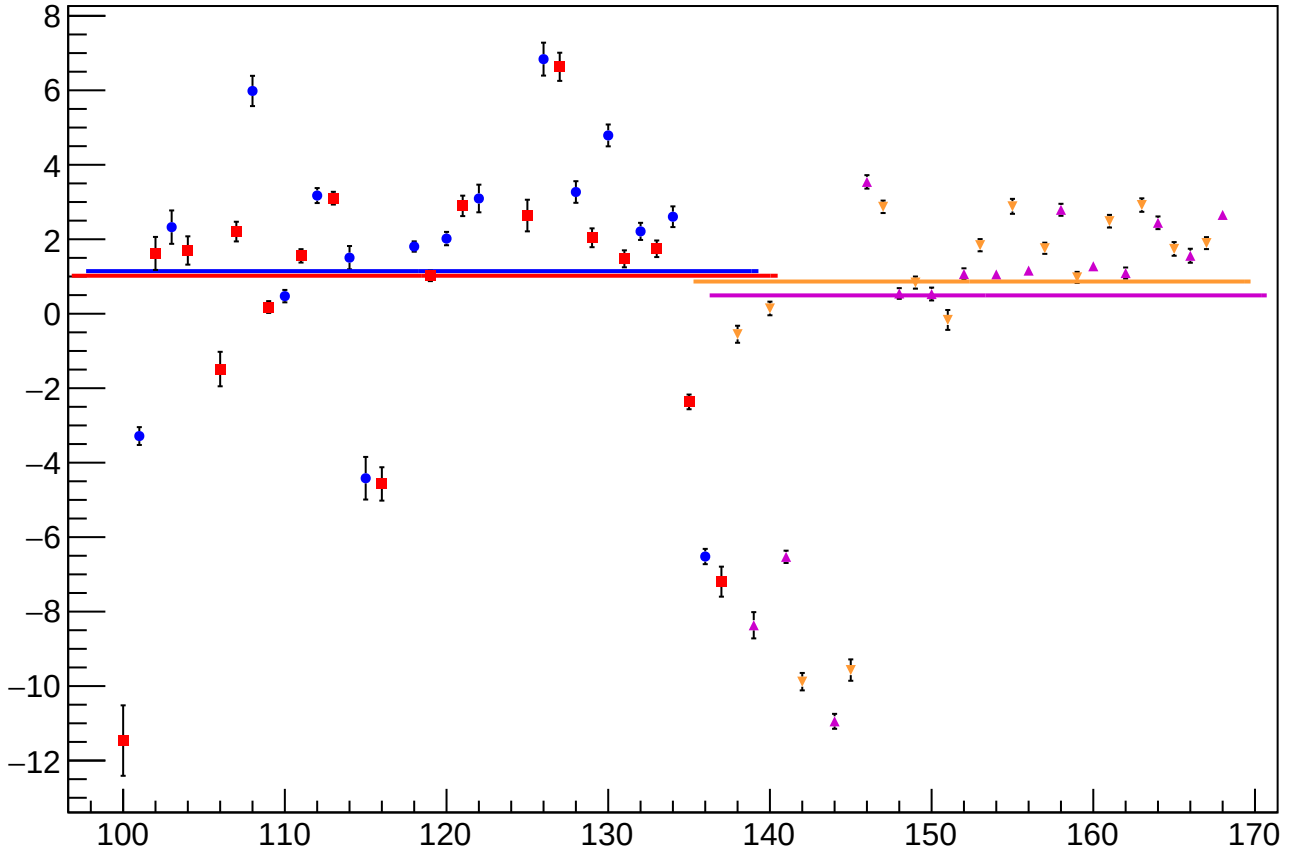
Left: 6.110+/-0.041 χ^2/NDF: 231624.7/29

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.393+/-0.038 χ^2/NDF:209545.4/30

Out: 1.144+/-0.038 χ^2/NDF:206059.0/32

All: 0.776+/-0.027 χ^2/NDF: 415801.0/63



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.865+/-0.047 χ^2/NDF:4094.8/14

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.492+/-0.039 χ^2/NDF:6722.9/14

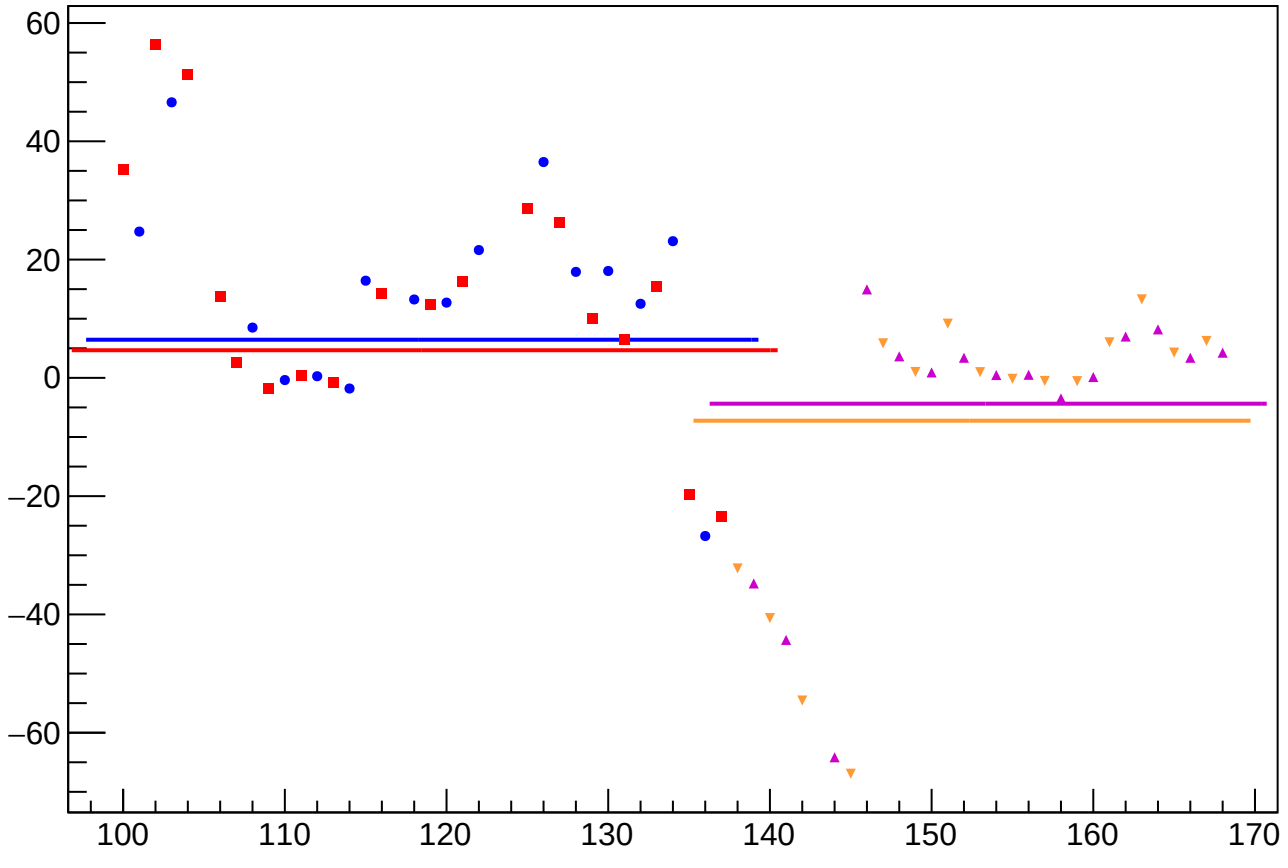
Left: 0.643+/-0.030 χ^2/NDF: 10855.1/29

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.683+/-0.033 χ^2/NDF:9401.3/30

Out: 0.928+/-0.036 χ^2/NDF:5690.4/32

All: 0.792+/-0.024 χ^2/NDF: 15116.9/63



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -7.246+/-0.063 χ^2/NDF:106960.2/14

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -4.367+/-0.052 χ^2/NDF:118080.2/14

Left: -5.526+/-0.040 χ^2/NDF: 226279.6/29

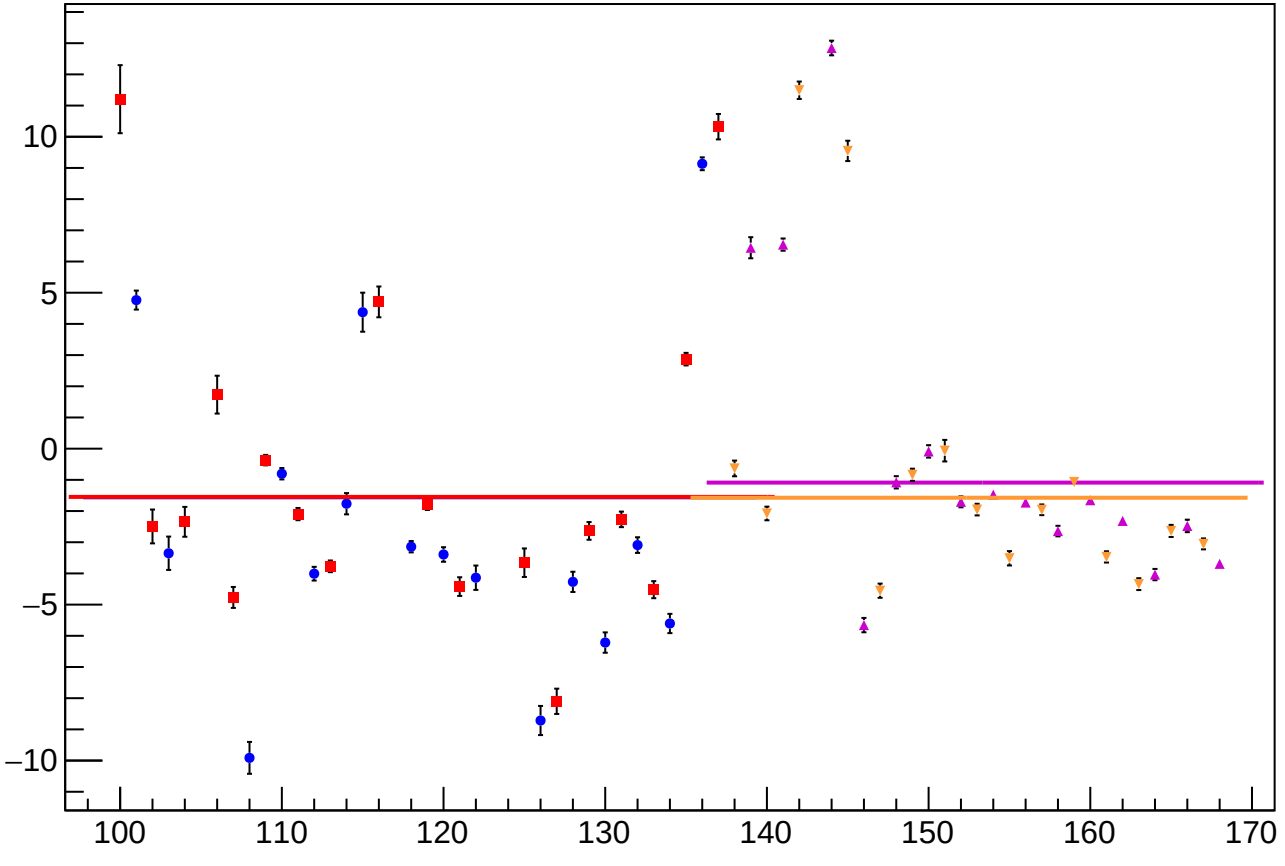
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.150+/-0.041 χ^2/NDF:205842.9/30

Out: -0.880+/-0.043 χ^2/NDF:200375.6/32

All: -0.492+/-0.030 χ^2/NDF: 406370.5/63

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.574+/-0.053 χ^2/NDF:4096.7/14

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.088+/-0.044 χ^2/NDF:6745.0/14

Left: -1.284+/-0.034 χ^2/NDF: 10891.3/29

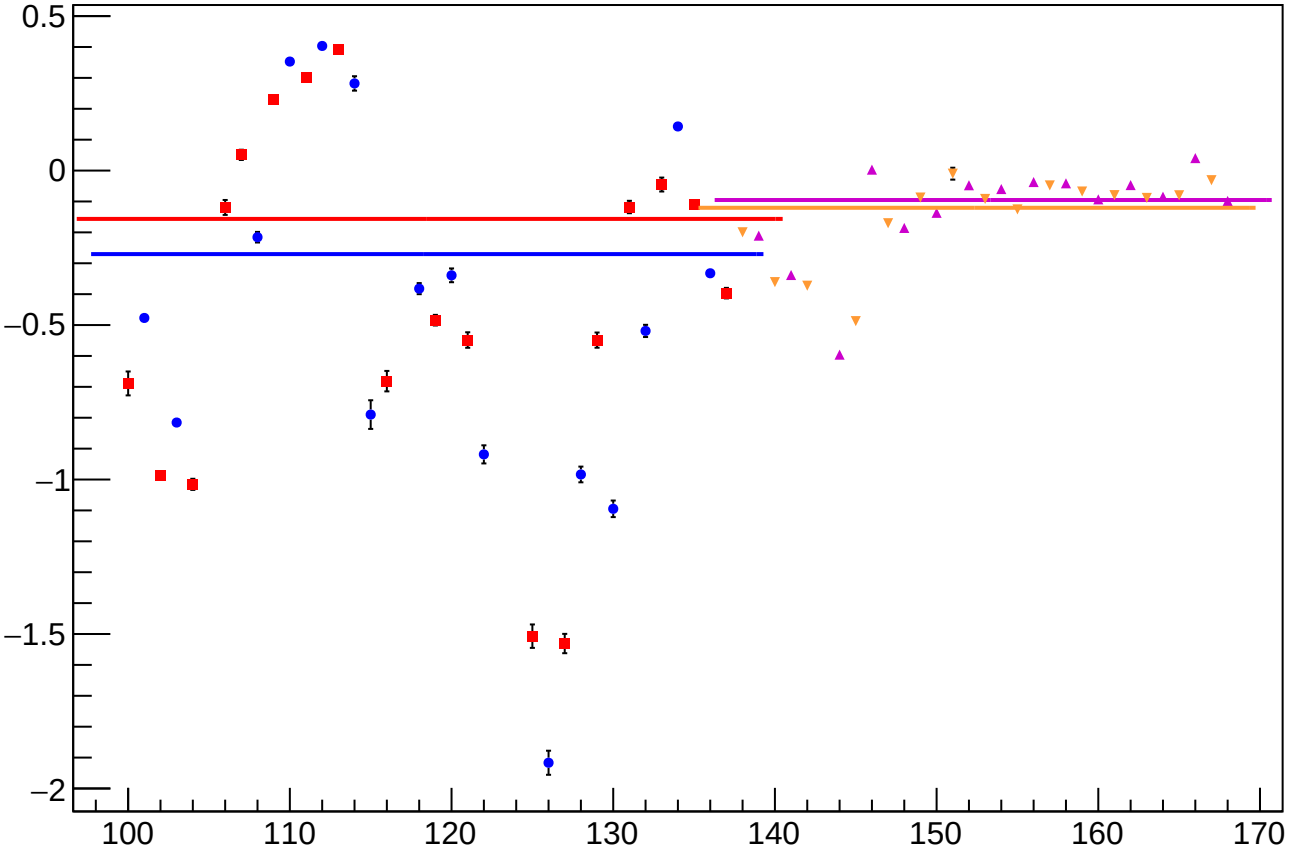
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.223+/-0.037 χ^2/NDF:11321.0/30

Out: -1.563+/-0.041 χ^2/NDF:6566.9/32

All: -1.375+/-0.028 χ^2/NDF: 17925.7/63

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: -0.120+/-0.002 χ^2/NDF:2142.0/14

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.095+/-0.002 χ^2/NDF:3230.8/14

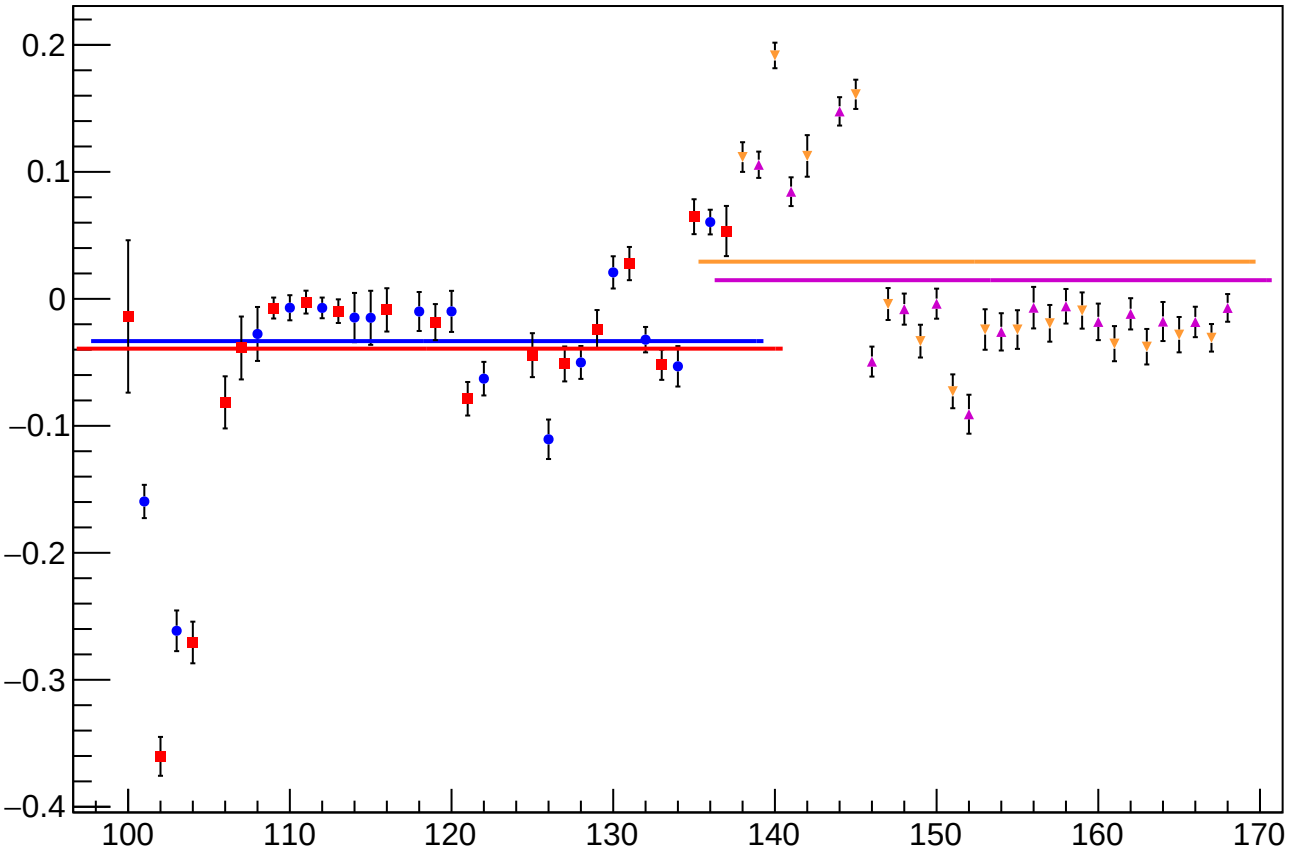
Left: -0.105+/-0.001 χ^2/NDF: 5444.1/29

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.125+/-0.002 χ^2/NDF:16817.7/30

Out: -0.130+/-0.002 χ^2/NDF:17237.6/32

All: -0.127+/-0.001 χ^2/NDF: 34059.9/63



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.029+/-0.003 χ^2/NDF:690.1/14

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.015+/-0.003 χ^2/NDF:376.8/14

Left: 0.022+/-0.002 χ^2/NDF: 1076.6/29

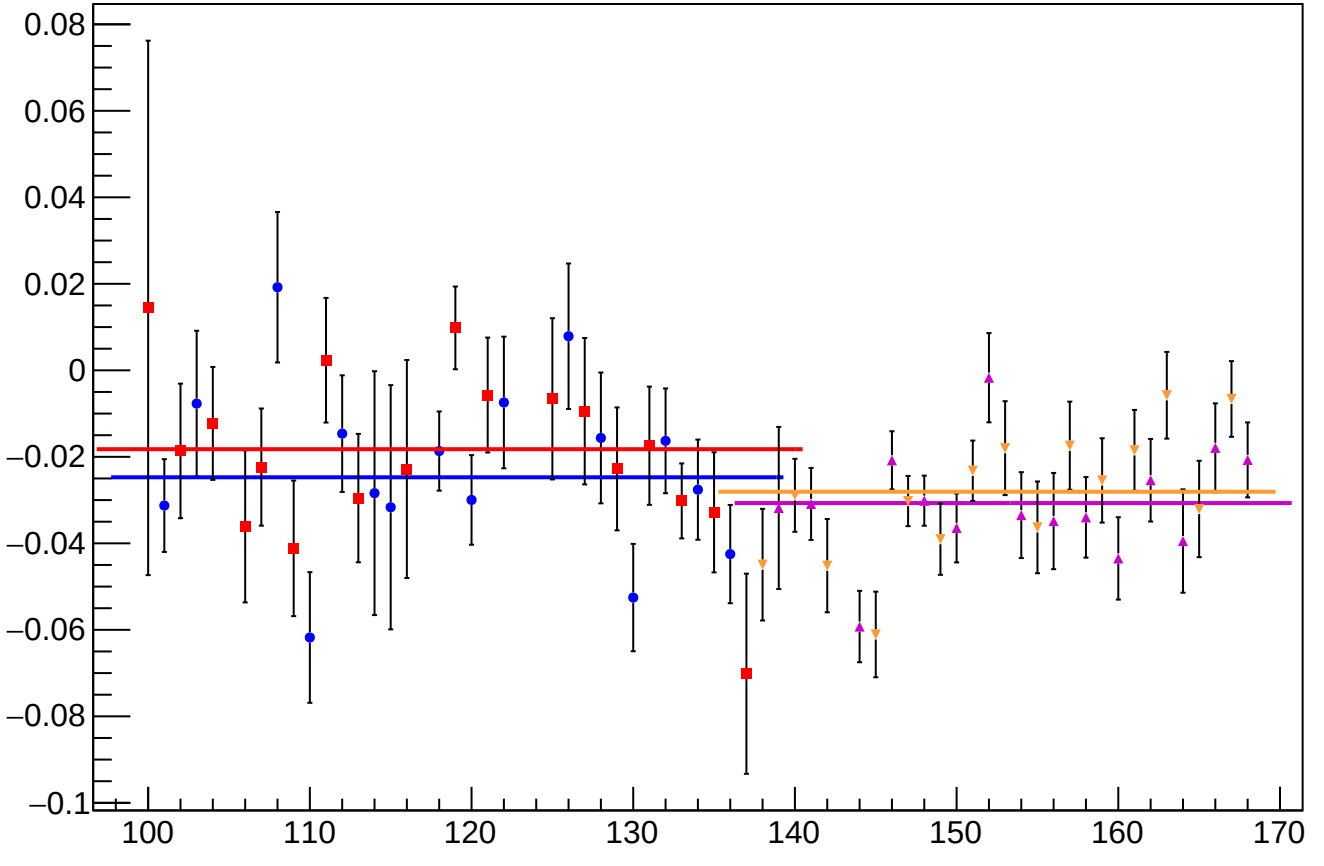
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:950.7/30

Out: -0.007+/-0.002 χ^2/NDF:1716.5/32

All: -0.008+/-0.002 χ^2/NDF: 2667.8/63

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: -0.028+/-0.002 χ^2/NDF:32.5/14

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.002 χ^2/NDF:28.4/14

Left: -0.029+/-0.002 χ^2/NDF: 61.5/29

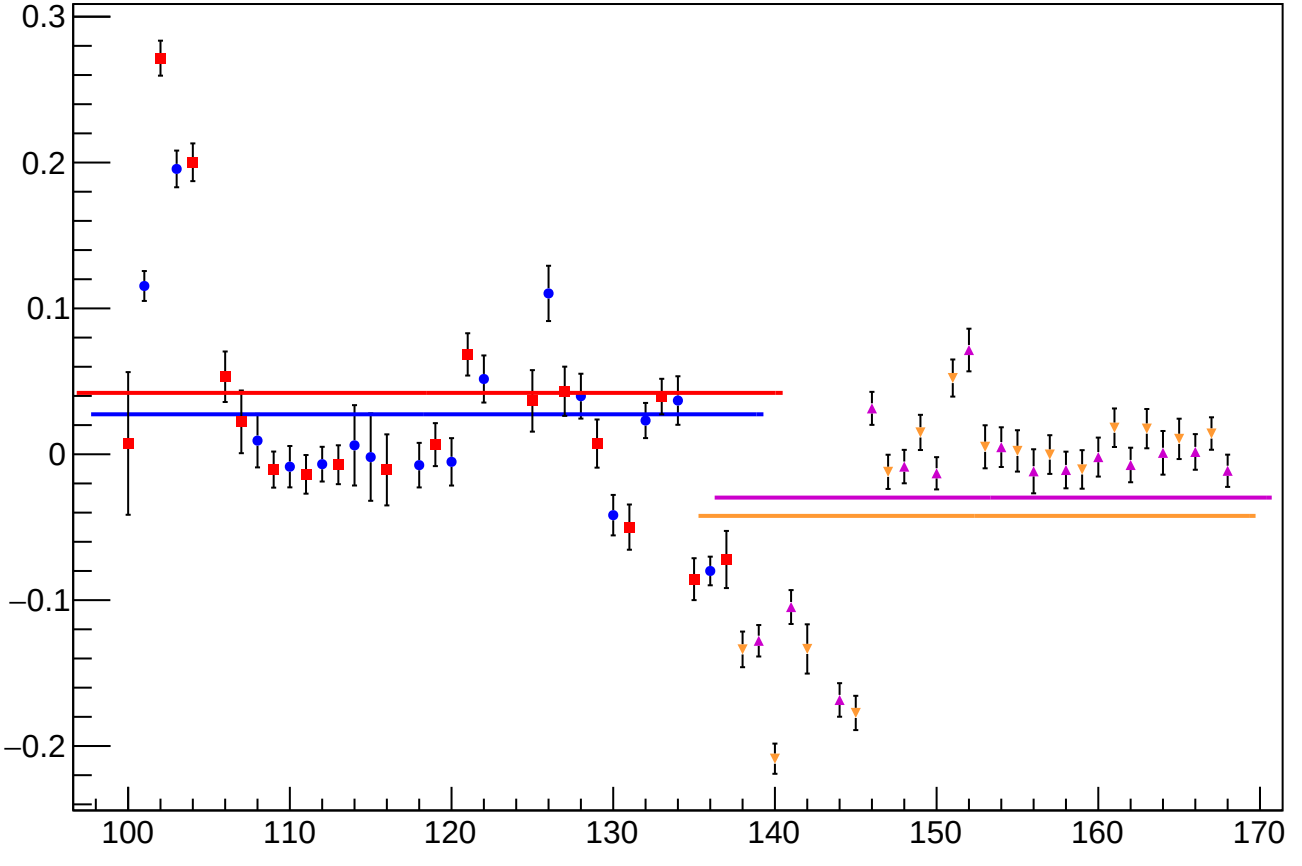
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:59.1/30

Out: -0.025+/-0.002 χ^2/NDF:62.9/32

All: -0.027+/-0.001 χ^2/NDF: 124.1/63

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: -0.042+/-0.003 χ^2/NDF:677.3/14

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.030+/-0.003 χ^2/NDF:384.3/14

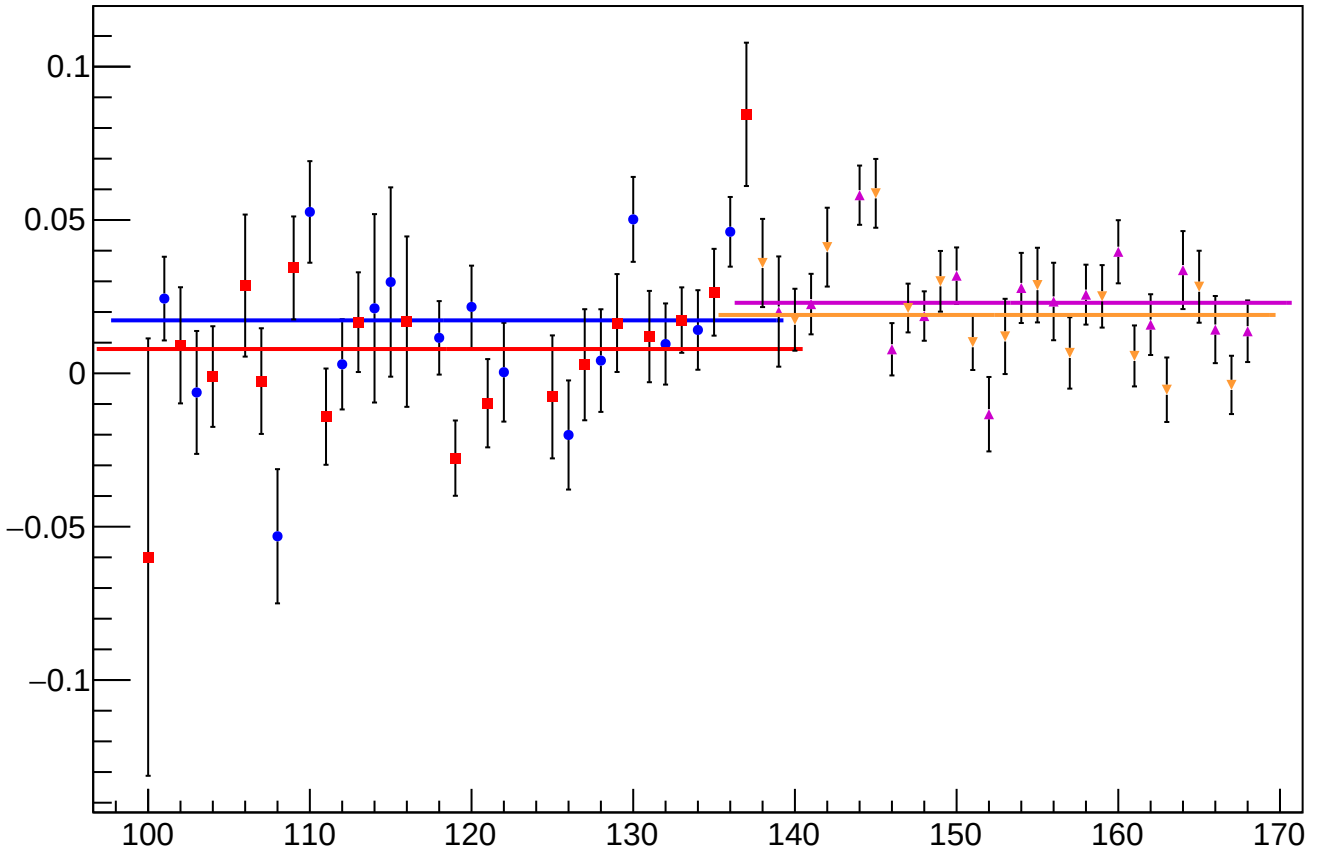
Left: -0.036+/-0.002 χ^2/NDF: 1069.2/29

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

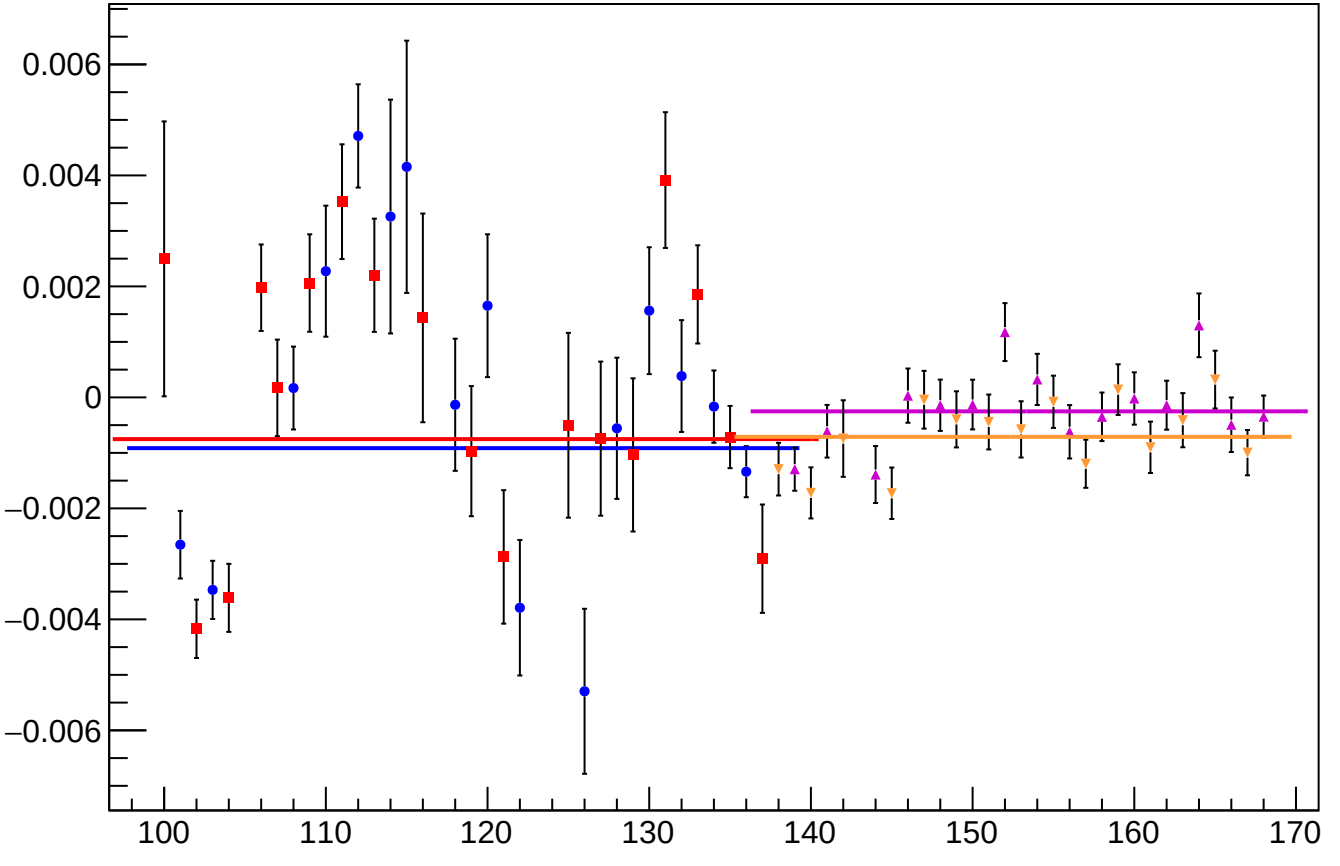
In: -0.005+/-0.002 χ^2/NDF:973.6/30

Out: -0.004+/-0.002 χ^2/NDF:1706.4/32

All: -0.004+/-0.002 χ^2/NDF: 2680.0/63


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.019+/-0.003 χ²/NDF:35.1/14
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.023+/-0.003 χ²/NDF:32.1/14
Left: 0.021+/-0.002 χ²/NDF: 68.3/29
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.021+/-0.002 χ²/NDF:70.3/30
Out: 0.015+/-0.002 χ²/NDF:72.0/32
All: 0.018+/-0.002 χ²/NDF: 145.6/63

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:25.0/14

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.7/14

Left: -0.000+/-0.000 χ^2/NDF: 62.9/29

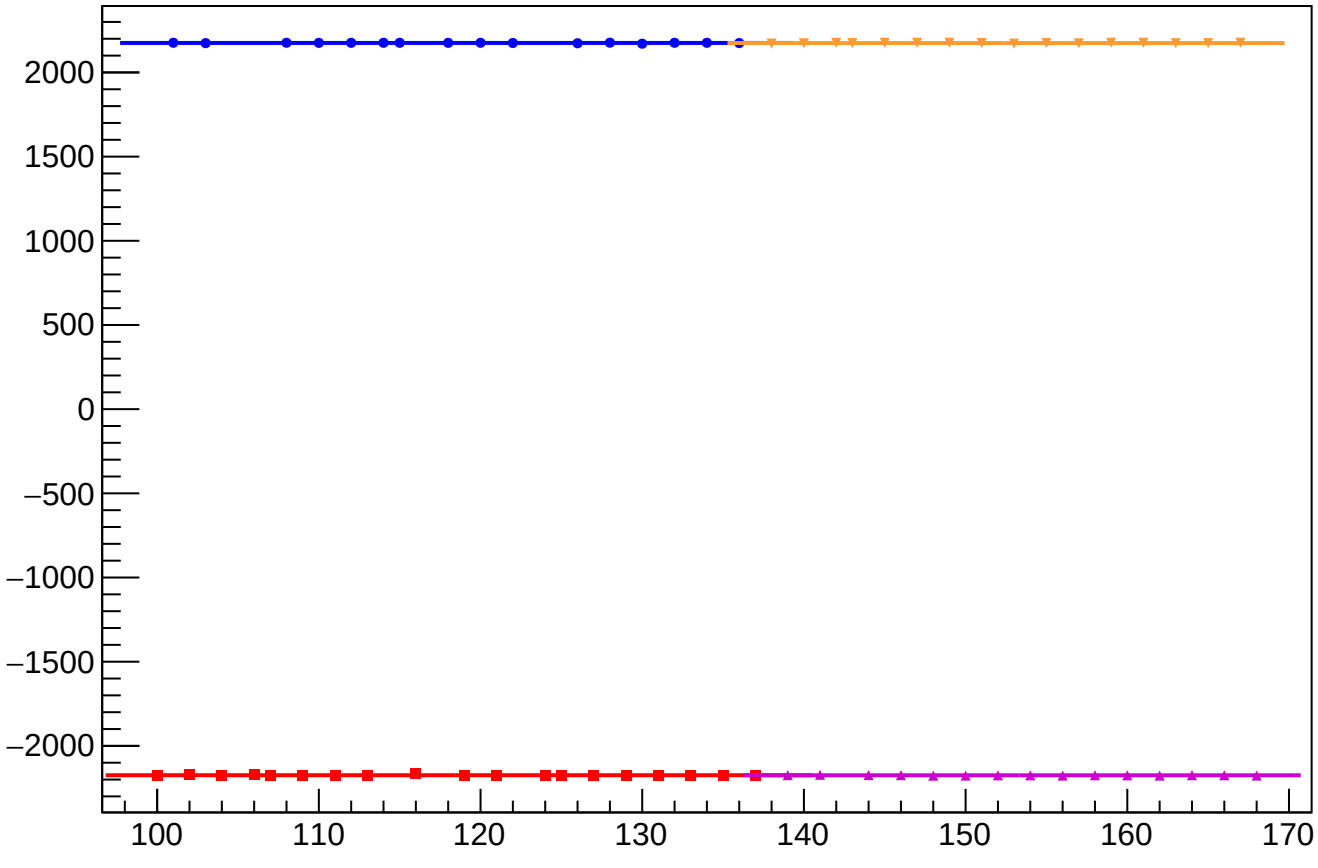
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.2/30

Out: -0.001+/-0.000 χ^2/NDF:172.6/32

All: -0.001+/-0.000 χ^2/NDF: 329.2/63

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.523+/-0.000 χ^2/NDF:372201116533141922704647512706252 8.0/15

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: -2174.703+/-0.000 χ^2/NDF:264108902657853091073469633580236 8.0/14

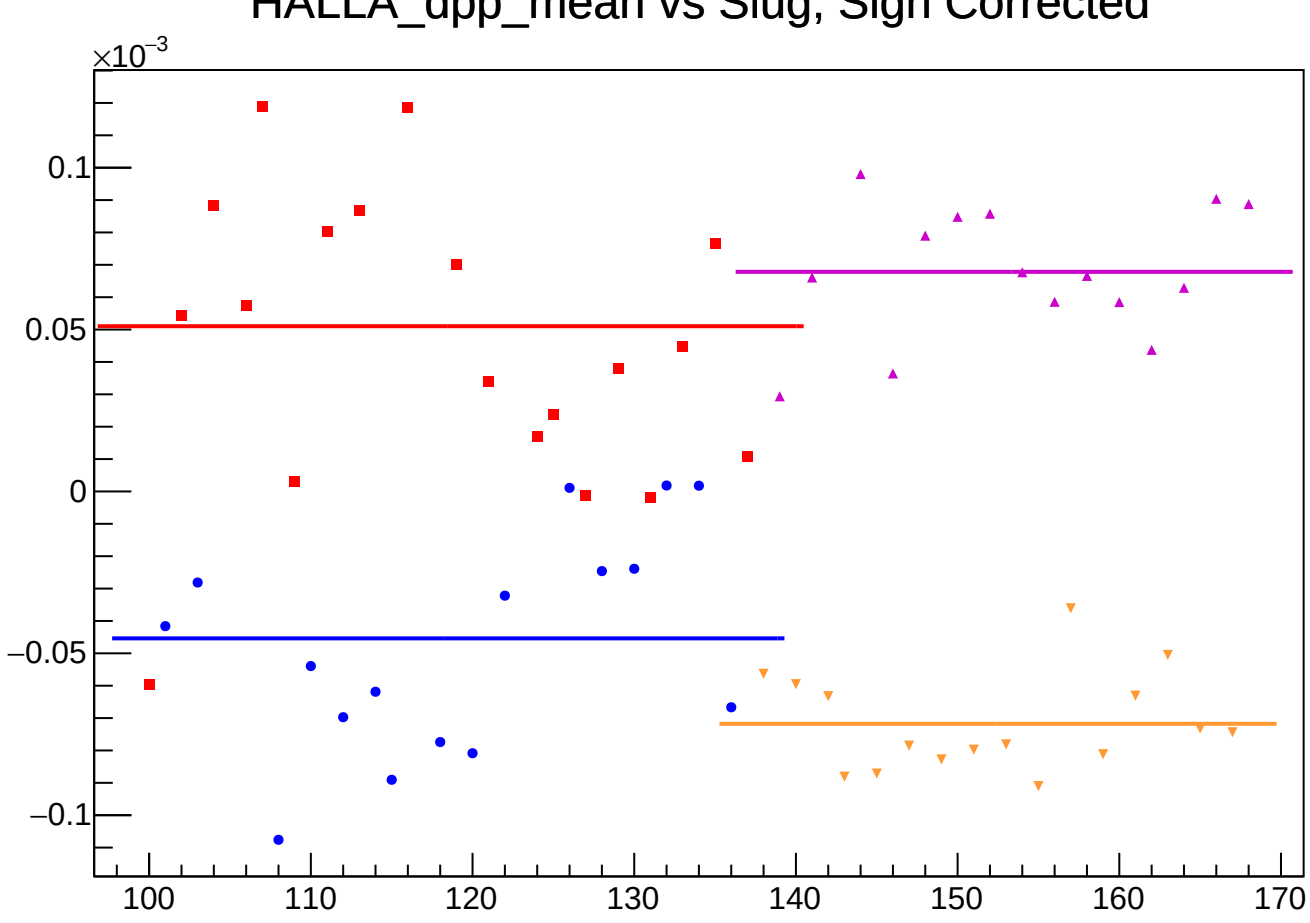
Left: 23.275+/-0.000 χ^2/NDF: 1232220464659451

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

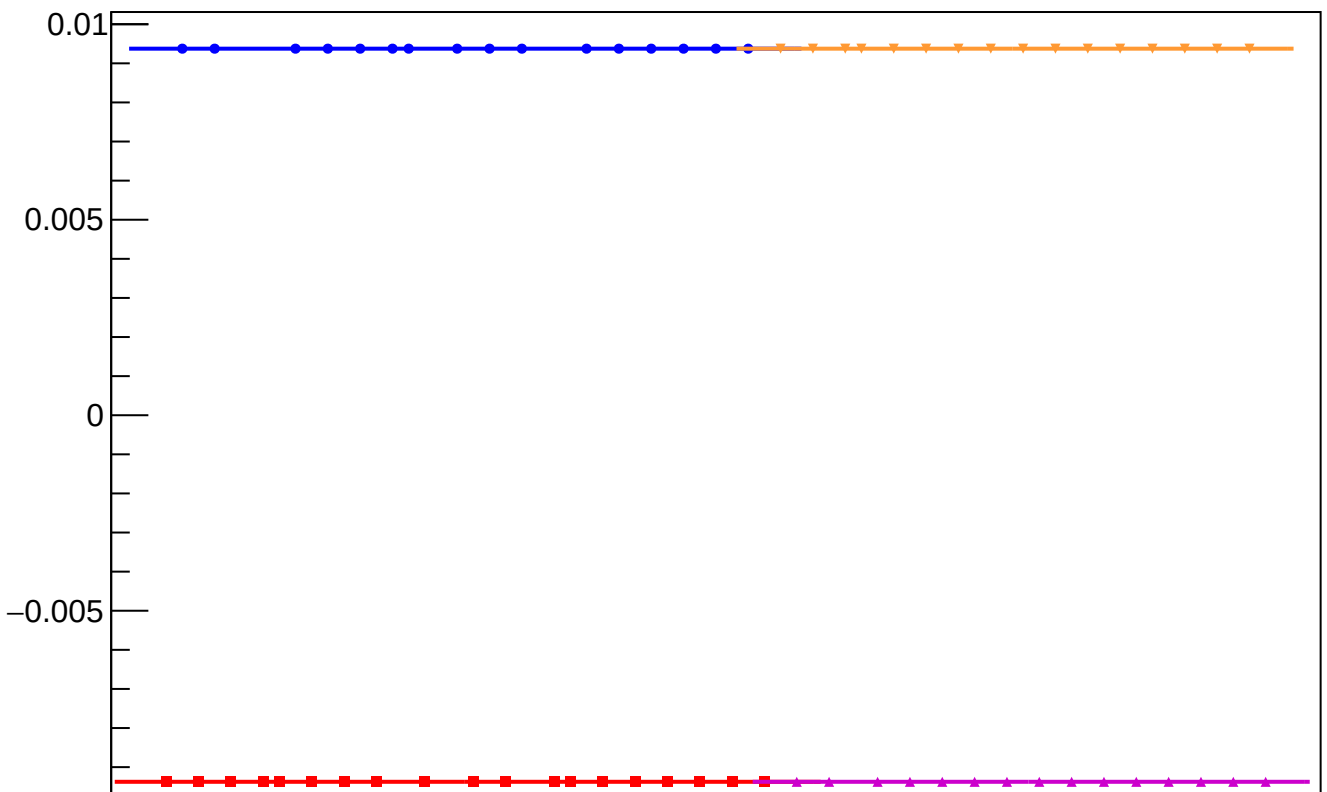
In: -586.881+/-0.000 χ^2/NDF:8902965659346358

Out: 579.249+/-0.000 χ^2/NDF:9136830219777926

All: 3.277+/-0.000 χ^2/NDF: 1943684359669


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2961487736479535270461440.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:5032670617784302583152640.0/14
Left: -0.000+/-0.000 χ²/NDF: 13493710391046427
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:7246745825836071311
Out: -0.000+/-0.000 χ²/NDF:85930999643186739
All: -0.000+/-0.000 χ²/NDF: 1875030911364

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:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

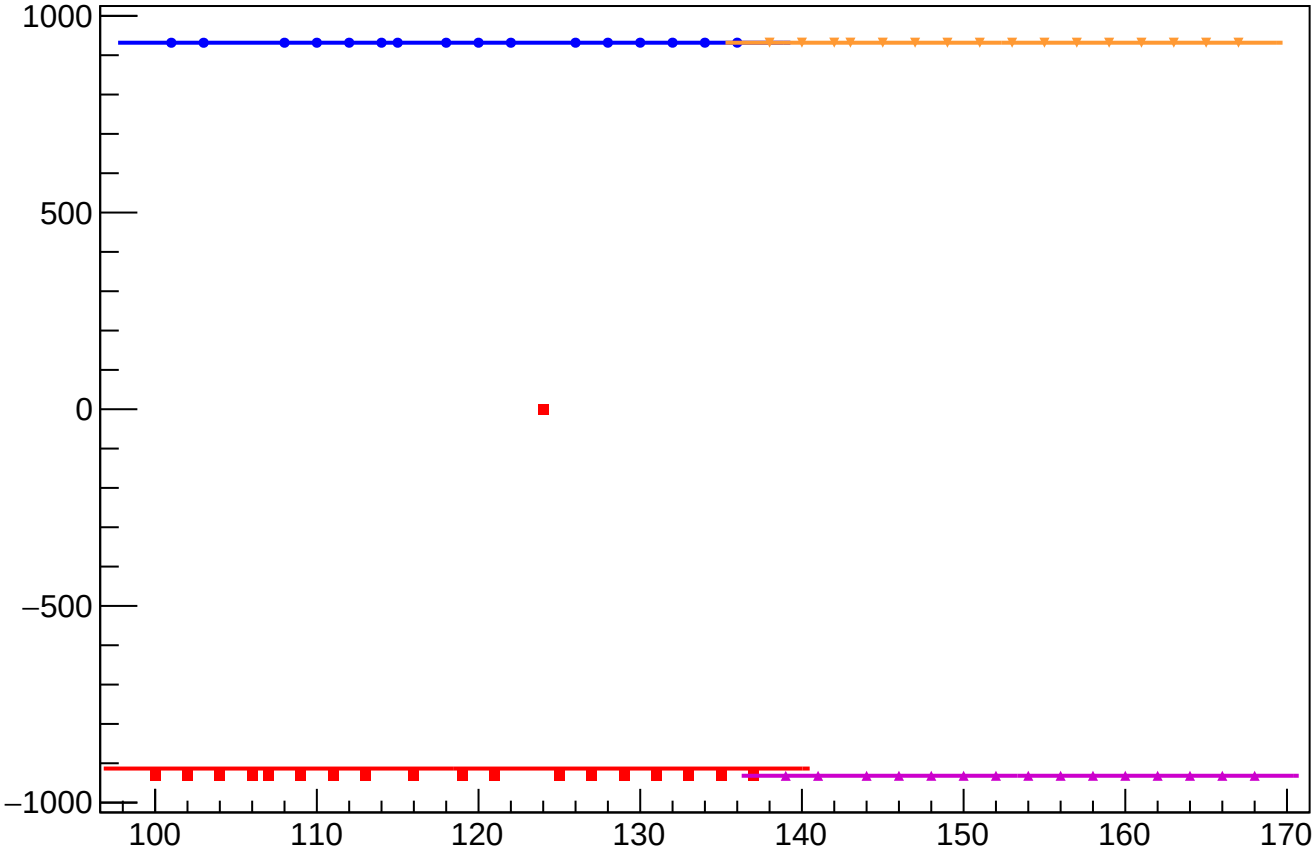
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051

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:4152073808641527981143805132800.0/15

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.774+/-0.000 χ^2/NDF:366175594116662248120031327027 2.0/14

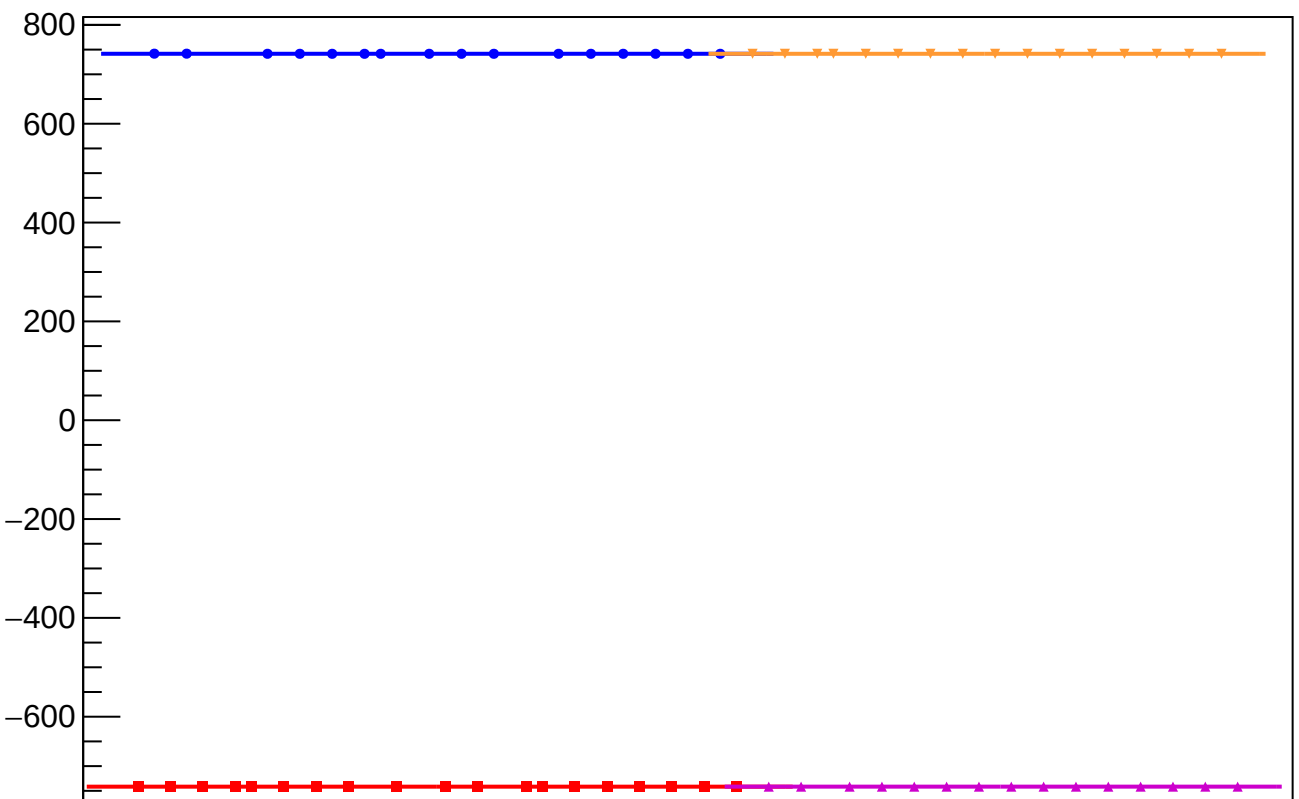
Left: 10.017+/-0.000 χ^2/NDF: 22623026460875763

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -251.535+/-0.000 χ^2/NDF:1634007235271269

Out: 254.904+/-0.000 χ^2/NDF:1657701980887045

All: 4.765+/-0.000 χ^2/NDF: 3555204183954



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.515+/-0.000 χ^2/NDF:17029900982232569865116110028 8.0/15

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.515+/-0.000 χ^2/NDF:158352119542118901550585741312.0/14

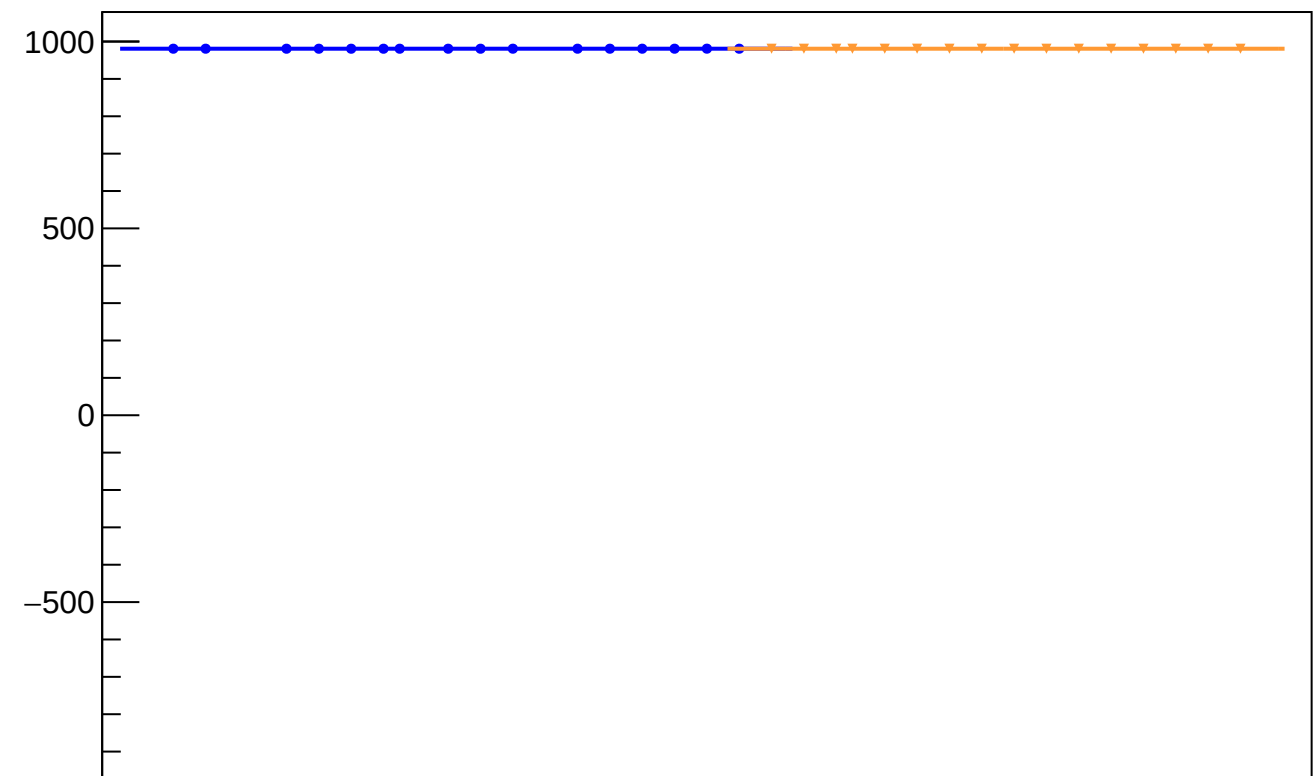
Left: 7.967+/-0.000 χ^2/NDF: 1432729094675415 22

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -200.153+/-0.000 χ^2/NDF:1034919048229374

Out: 197.477+/-0.000 χ^2/NDF:1062632451705486

All: 1.081+/-0.000 χ^2/NDF: 2259984922414 6



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.771+/-0.000 χ^2/NDF:65970500956341028468997016780 8.0/15

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.779+/-0.000 χ^2/NDF:131811674738638769603599558246 4.0/14

Left: 10.534+/-0.000 χ^2/NDF: 25064710904565345

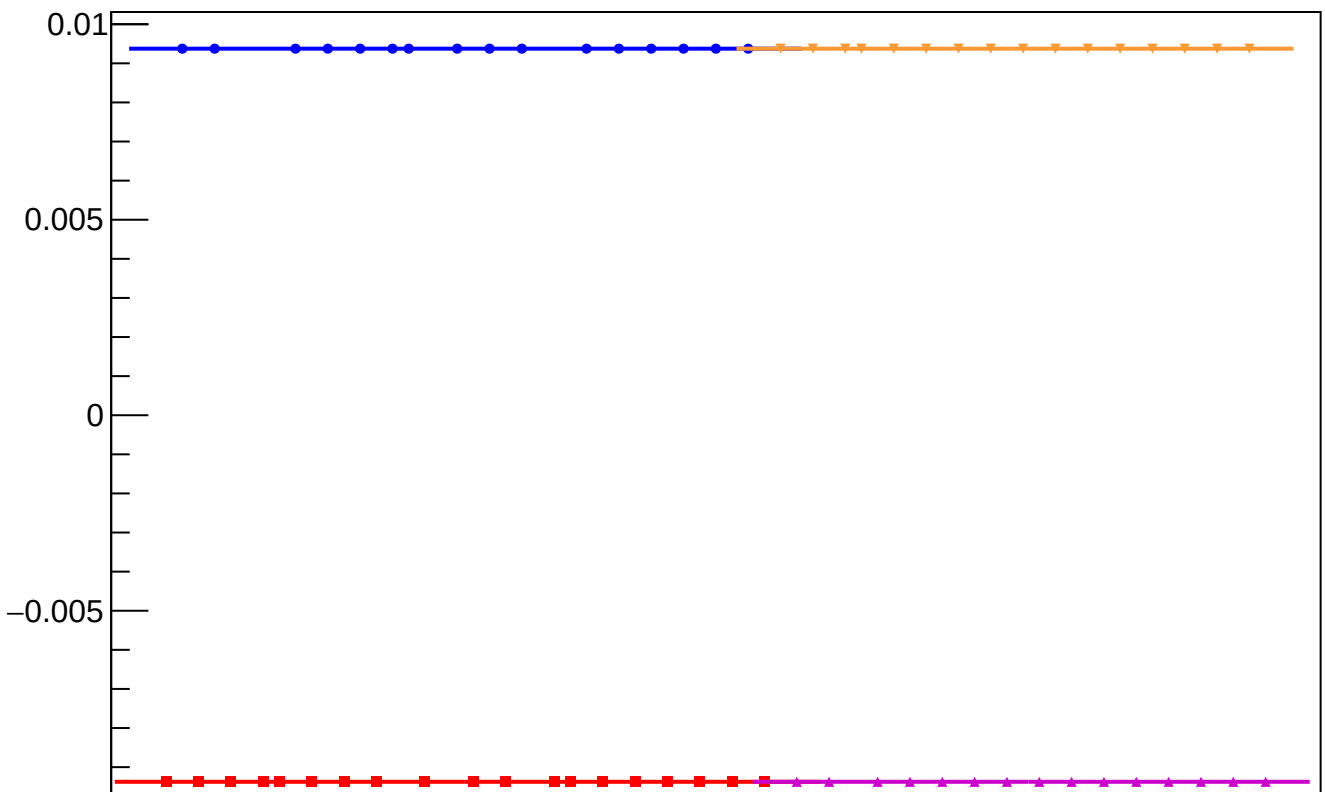
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -264.753+/-0.000 χ^2/NDF:1810456983000957

Out: 261.241+/-0.000 χ^2/NDF:1858752528690713

All: 1.444+/-0.000 χ^2/NDF: 3953445544285

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:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

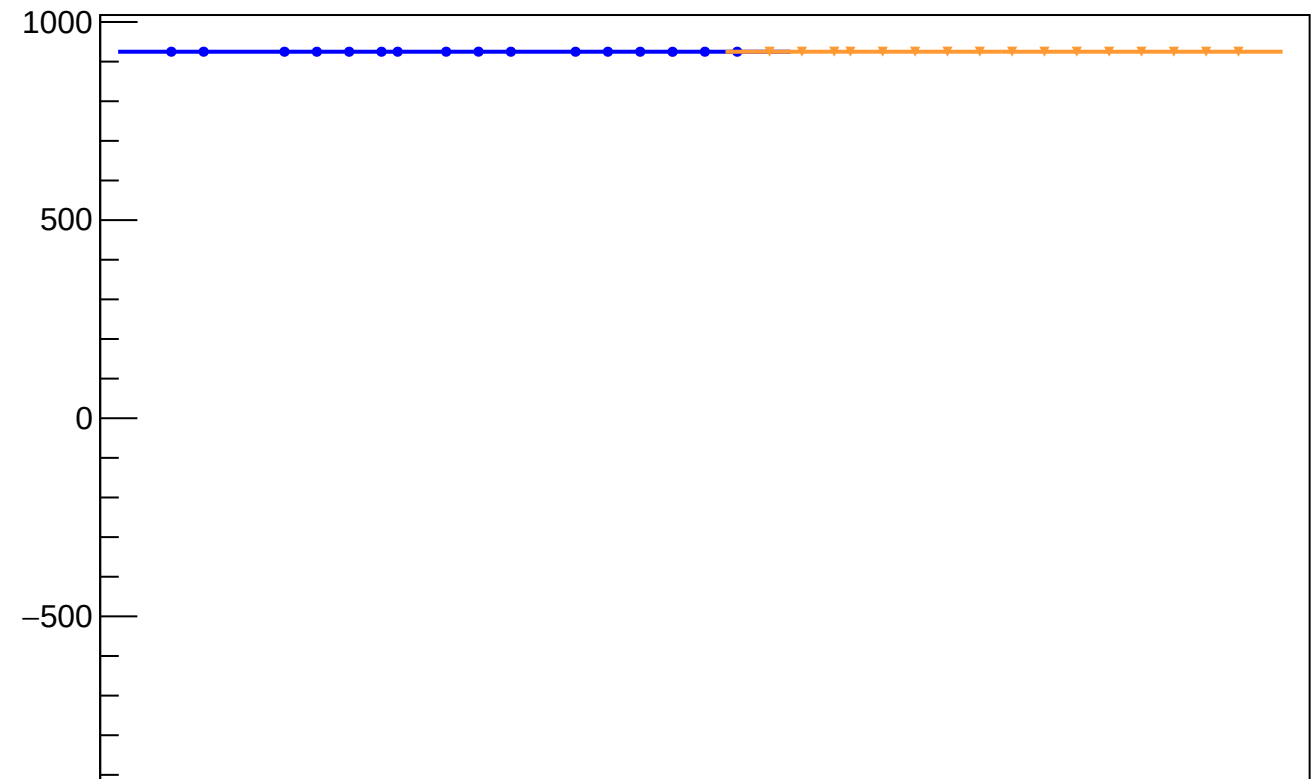
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.986+/-0.000 χ^2/NDF:8616575561949921722567858585 60.0/15

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

Left In: -924.987+/-0.000 χ^2/NDF:709345978807099040512727842816.0/14

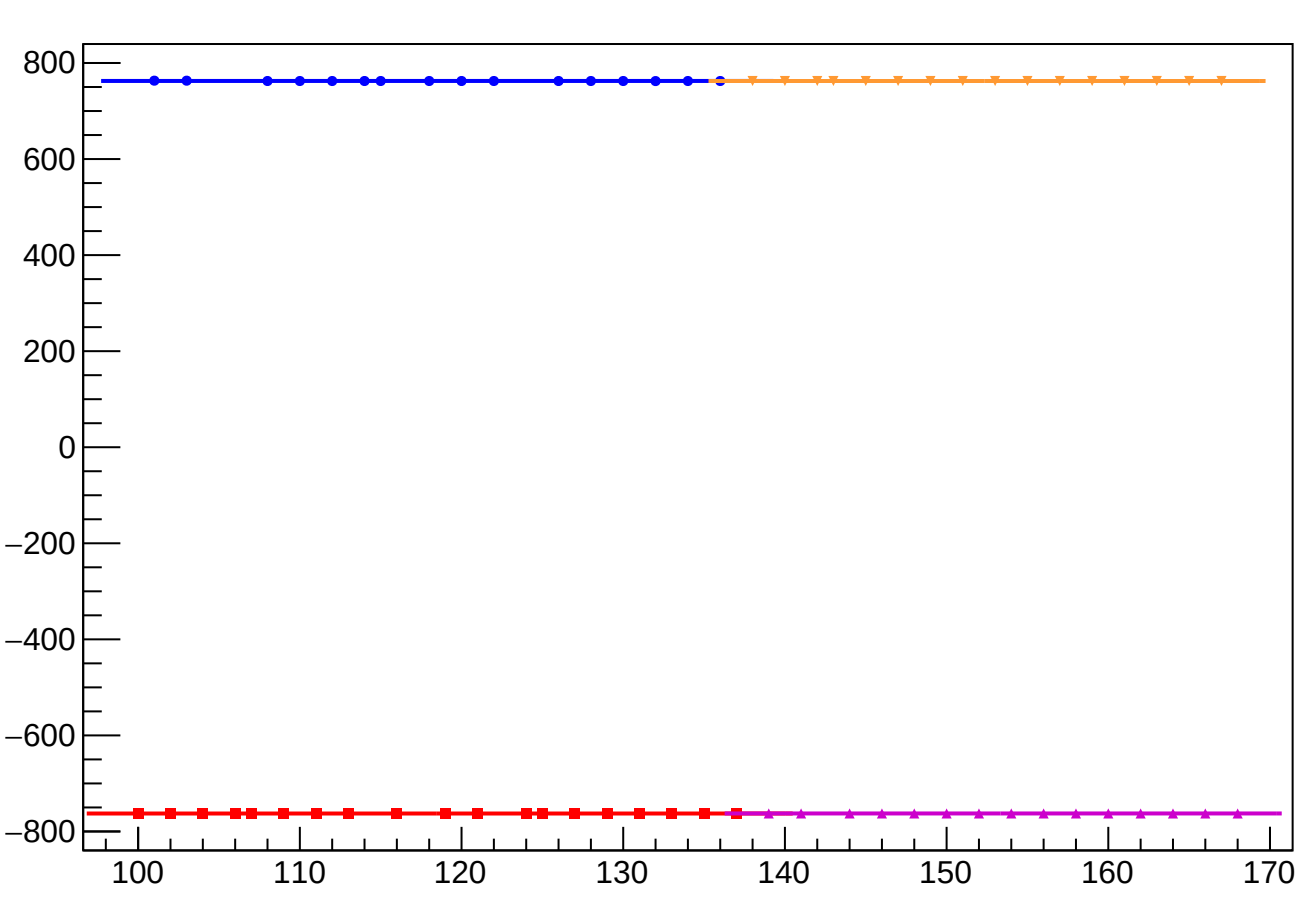
Left: 9.938+/-0.000 χ^2/NDF: 22294356757064470

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

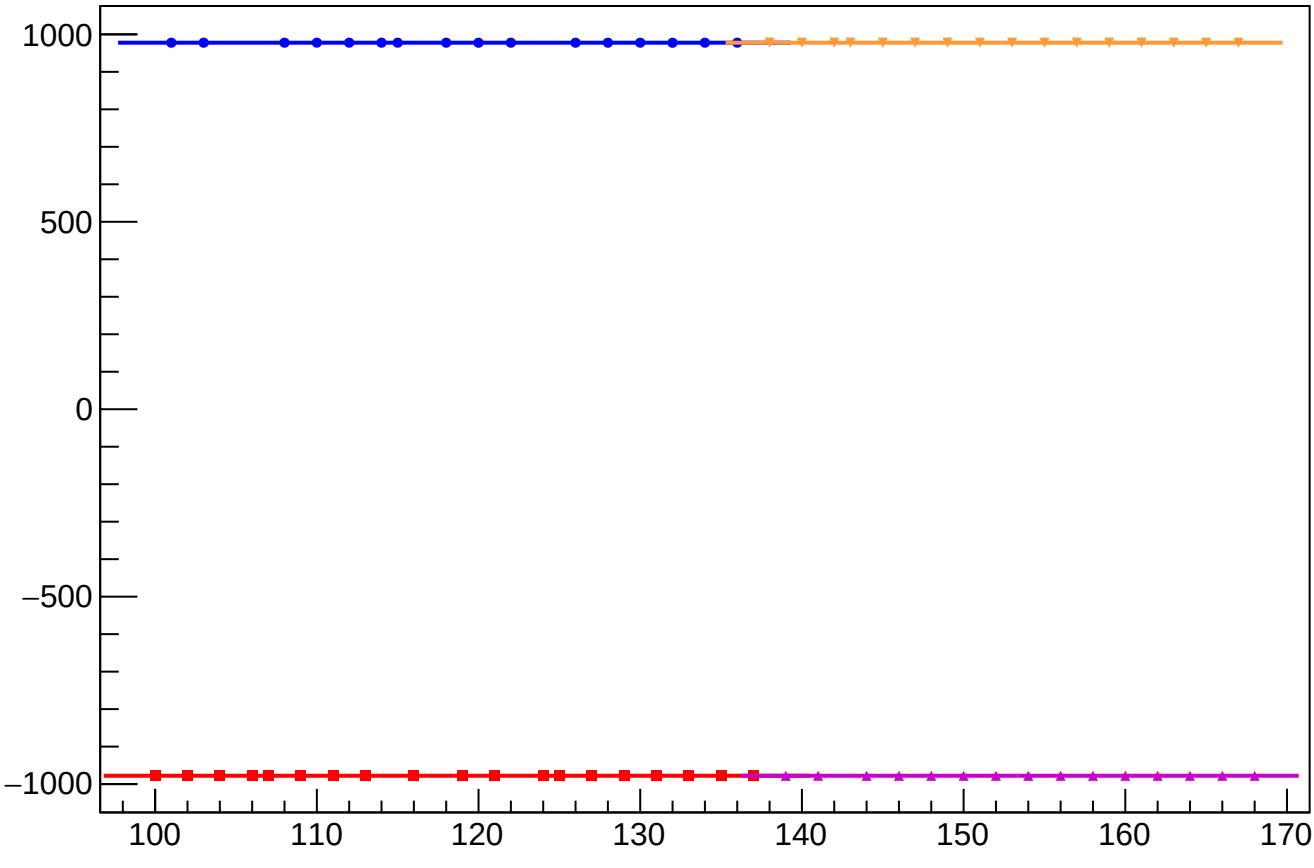
In: -249.709+/-0.000 χ^2/NDF:161026229065896

Out: 246.371+/-0.000 χ^2/NDF:165337556641511

All: 1.349+/-0.000 χ^2/NDF: 3516462614541


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.508+/-0.000 χ²/NDF:3965754011482718402226474188 80.0/15
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.510+/-0.000 χ²/NDF:366388644539328620655852650496.0/14
Left: 8.192+/-0.000 χ²/NDF: 151500632675557871
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -205.803+/-0.000 χ²/NDF:1094418761701353
Out: 203.051+/-0.000 χ²/NDF:112372152832844
All: 1.111+/-0.000 χ²/NDF: 2389873694653

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.742+/-0.000 χ^2/NDF:10564508546091894234170827735040.0/15

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.738+/-0.000 χ^2/NDF:10160848661539354200497979392000.0/14

Left: 10.507+/-0.000 χ^2/NDF: 24909847427616721

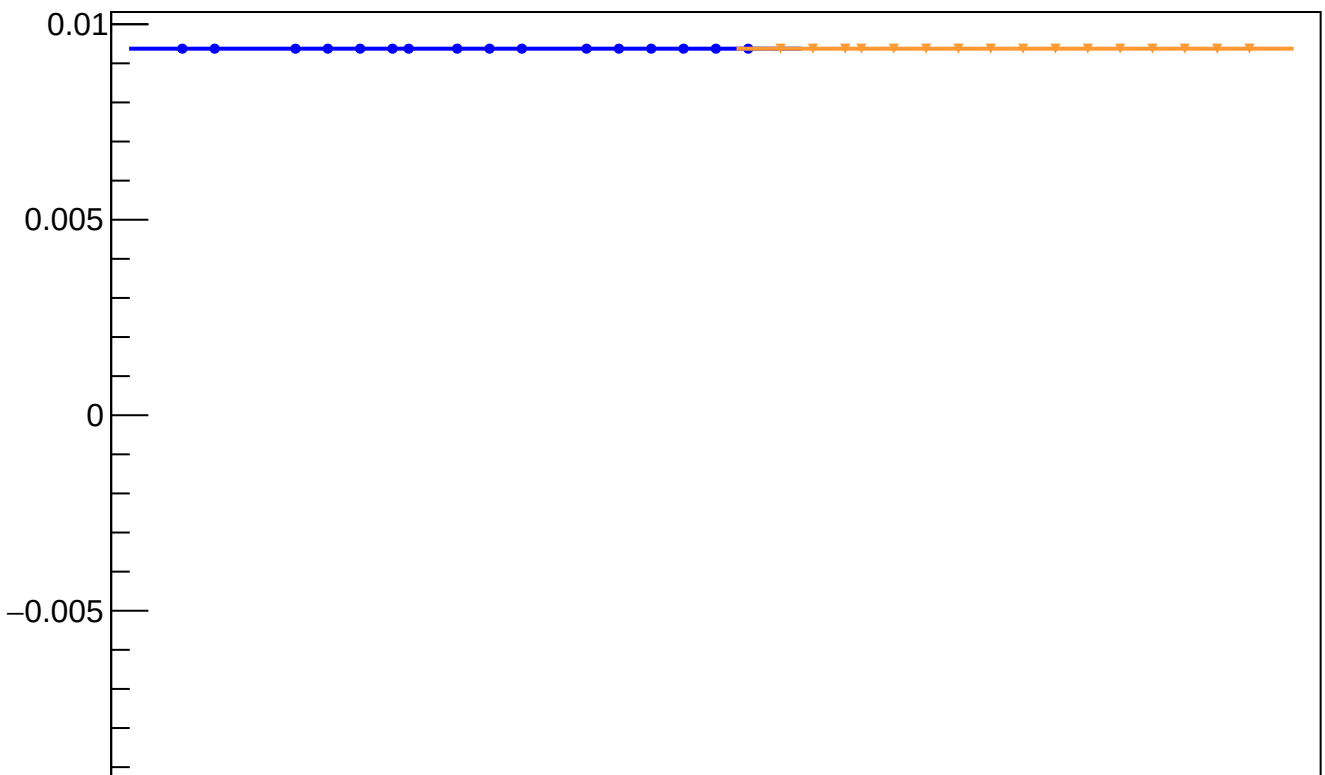
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -263.937+/-0.000 χ^2/NDF:1799223654987123

Out: 260.416+/-0.000 χ^2/NDF:1847386583209831

All: 1.429+/-0.000 χ^2/NDF: 392907543509981

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

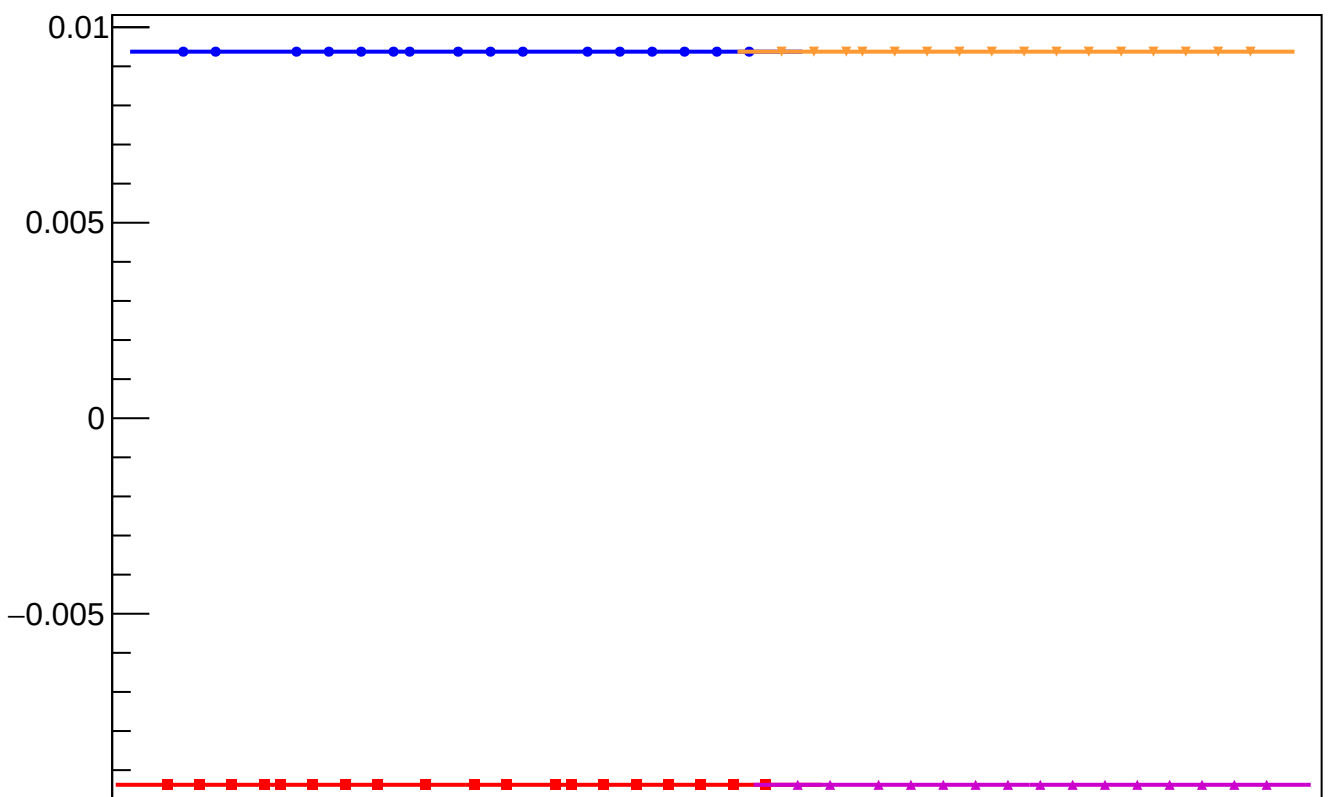
Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

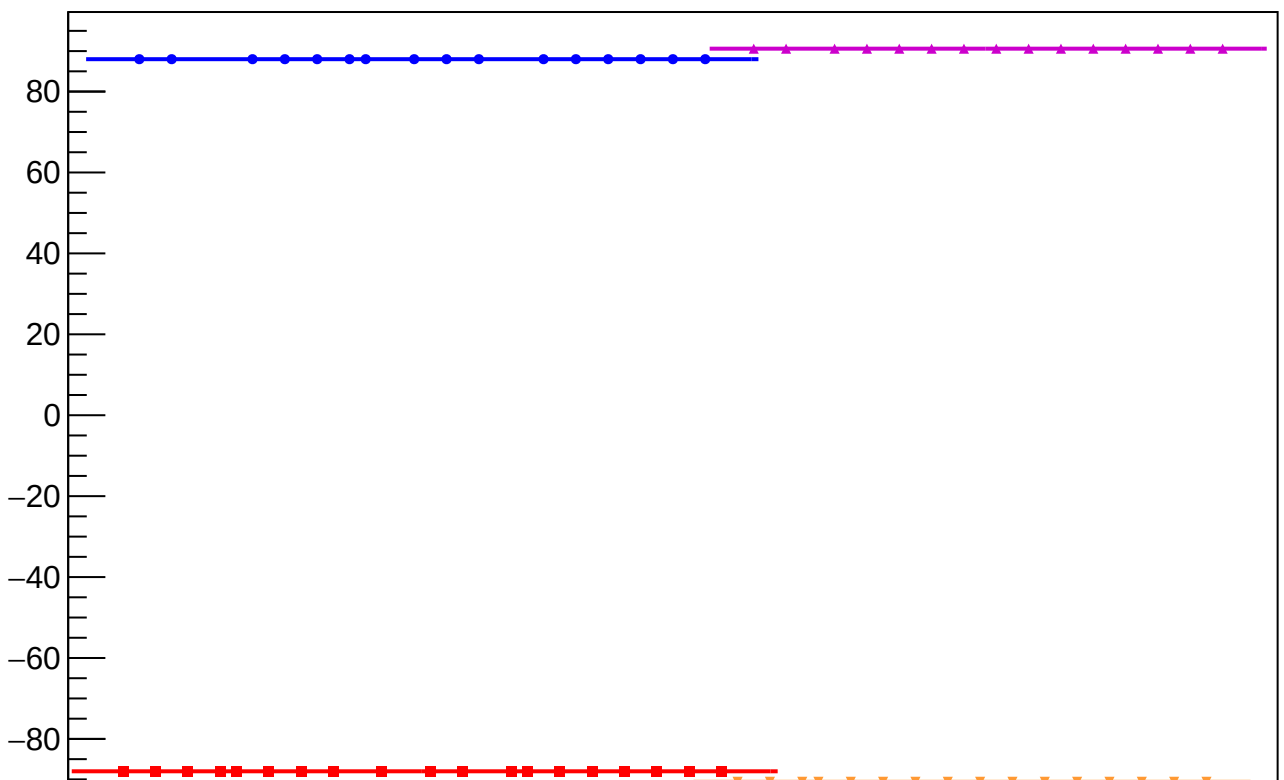
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051

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:4492342.0/15

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:4602201.9/14

Left: -0.973+/-0.000 χ^2/NDF: 21388184741385953

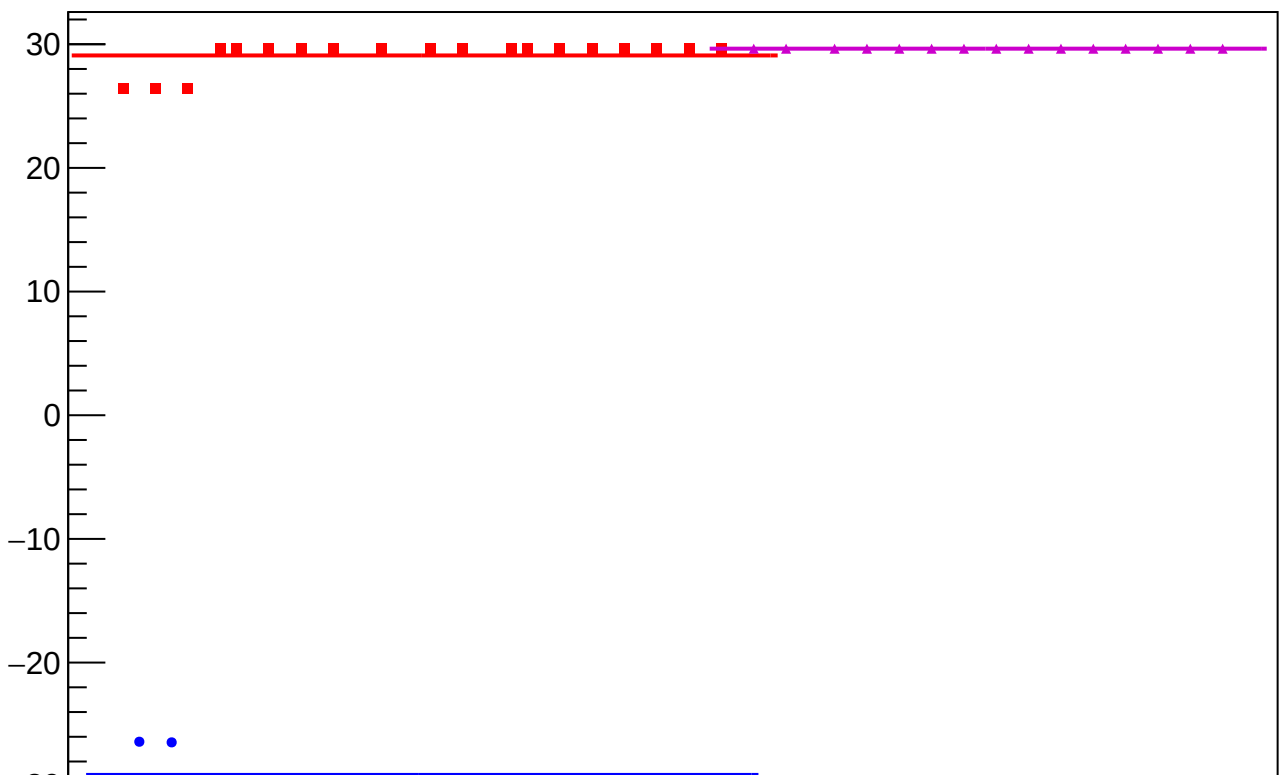
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.651+/-0.000 χ^2/NDF:317725349841426008

Out: -89.647+/-0.000 χ^2/NDF:3255587388773105

All: -1.089+/-0.000 χ^2/NDF: 3303330730109

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:191838.4/15

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:110137.6/14

Left: -0.318+/-0.000 χ^2/NDF: 22892924471464702

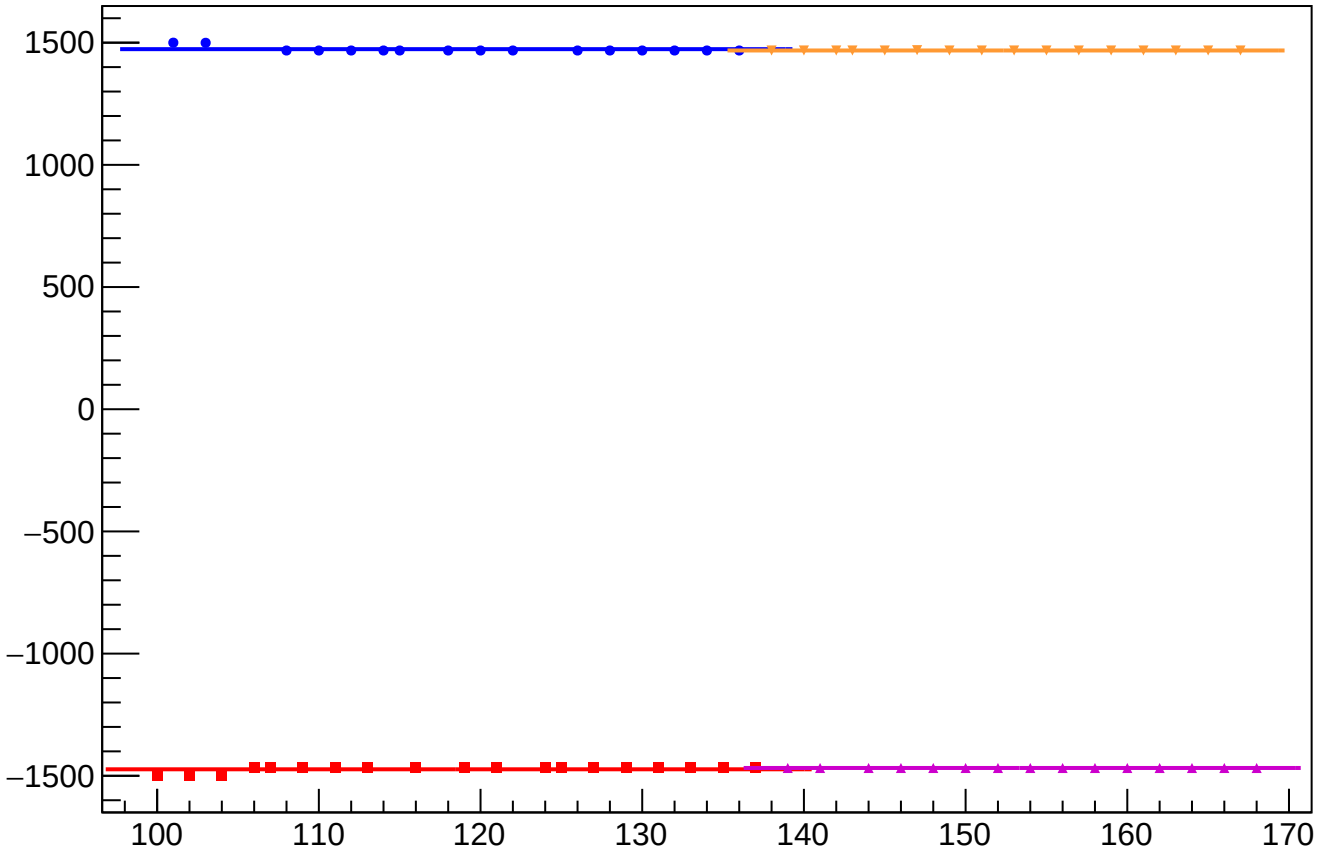
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 8.204+/-0.000 χ^2/NDF:162379141769175986

Out: -8.096+/-0.000 χ^2/NDF:16676836257366701

All: -0.045+/-0.000 χ^2/NDF: 3564426386473

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.078+/-0.000 χ^2/NDF:13673644781362404472618677908275 2.0/15

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.991+/-0.000 χ^2/NDF:12576570982082864880600639078 4.0/14

Left: 15.817+/-0.000 χ^2/NDF: 561560710548073 73

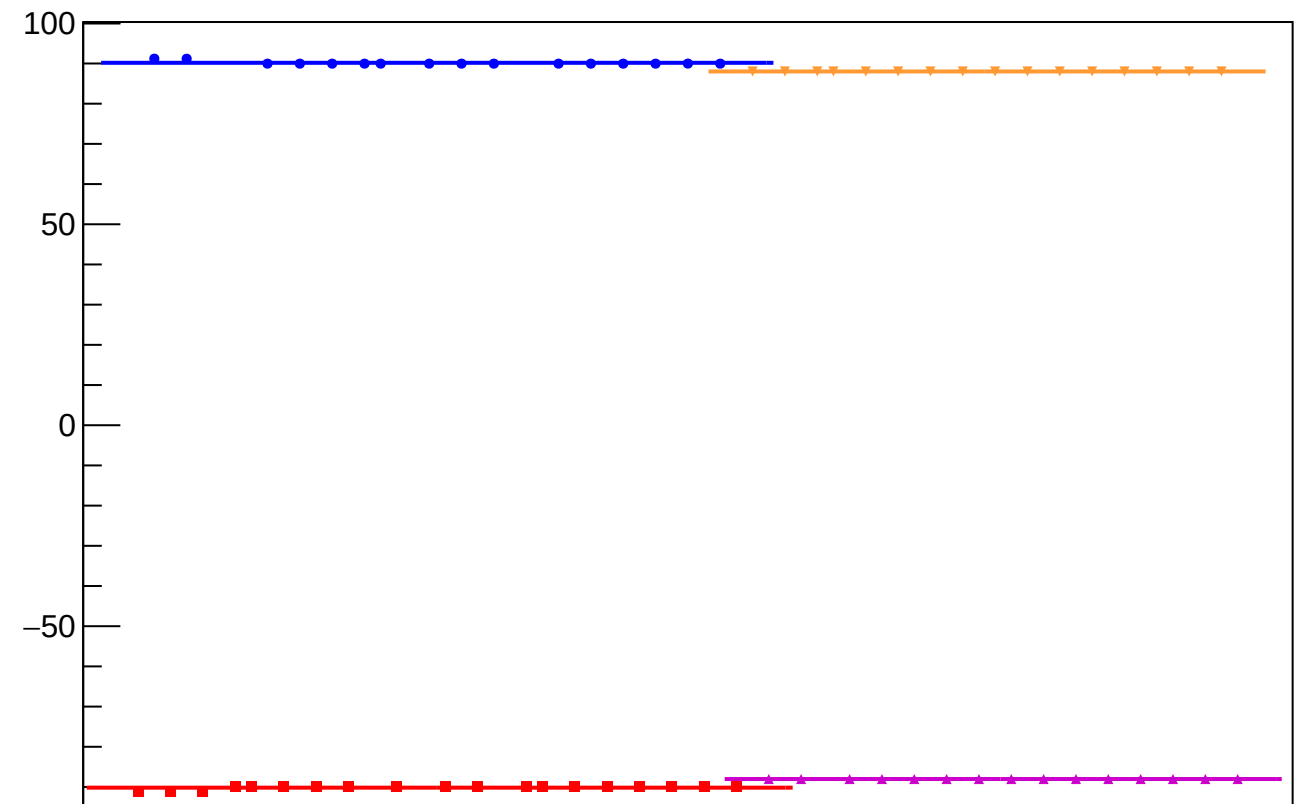
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -394.286+/-0.000 χ^2/NDF:407110105999276 0

Out: 389.067+/-0.000 χ^2/NDF:418010840946895 3

All: 2.155+/-0.000 χ^2/NDF: 8881633572872 7

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:3850550.0/15

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:4723169.0/14

Left: 0.946+/-0.000 χ^2/NDF: 201880298956232751

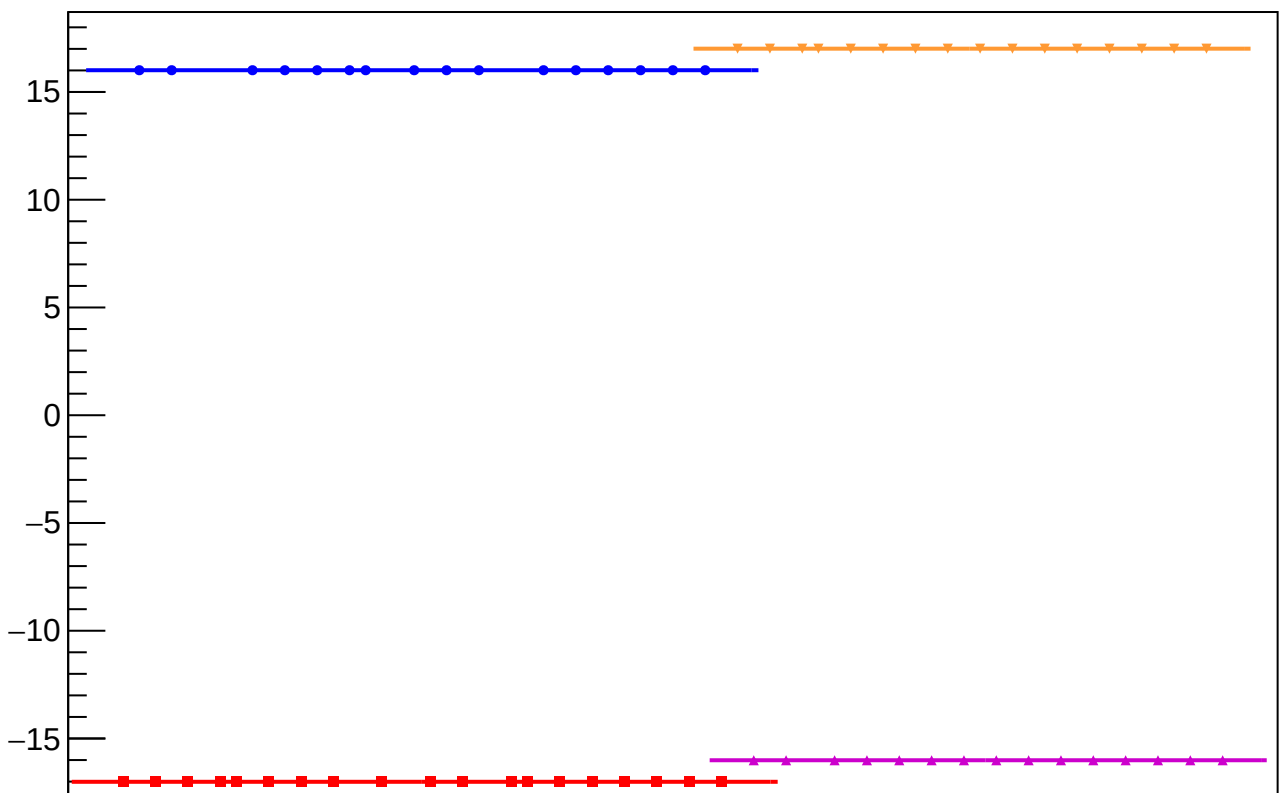
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -22.976+/-0.000 χ^2/NDF:14940435643551362

Out: 22.656+/-0.000 χ^2/NDF:1533968971407977

All: 0.118+/-0.000 χ^2/NDF: 32419317499941

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:19079472166697328214802432.0/15

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:161268.4/14

Left: 0.548+/-0.000 χ^2/NDF: 654403843676873829

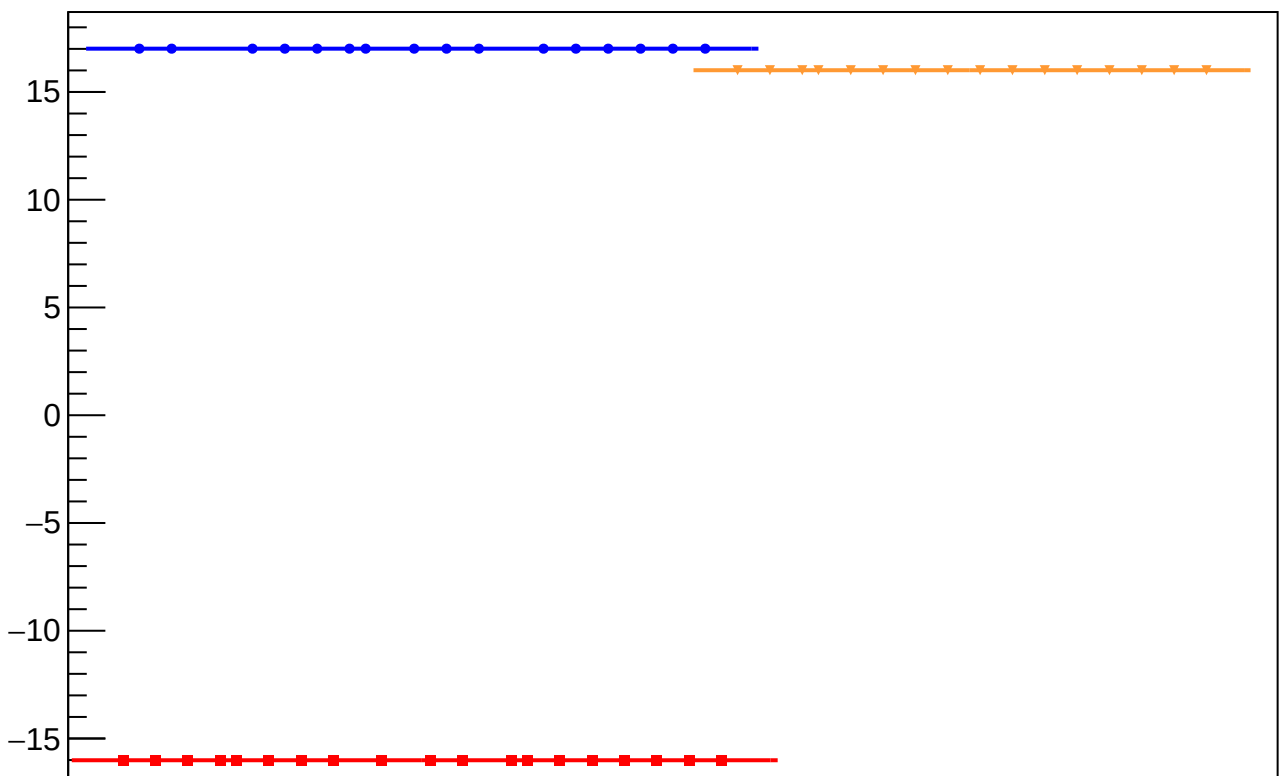
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -4.173+/-0.000 χ^2/NDF:45364386741224898

Out: 4.582+/-0.000 χ^2/NDF:509006131434024009

All: 0.202+/-0.000 χ^2/NDF: 10353885267670

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:113015.4/15

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:36969.2/14

Left: -0.244+/-0.000 χ^2/NDF: 70194388481439221

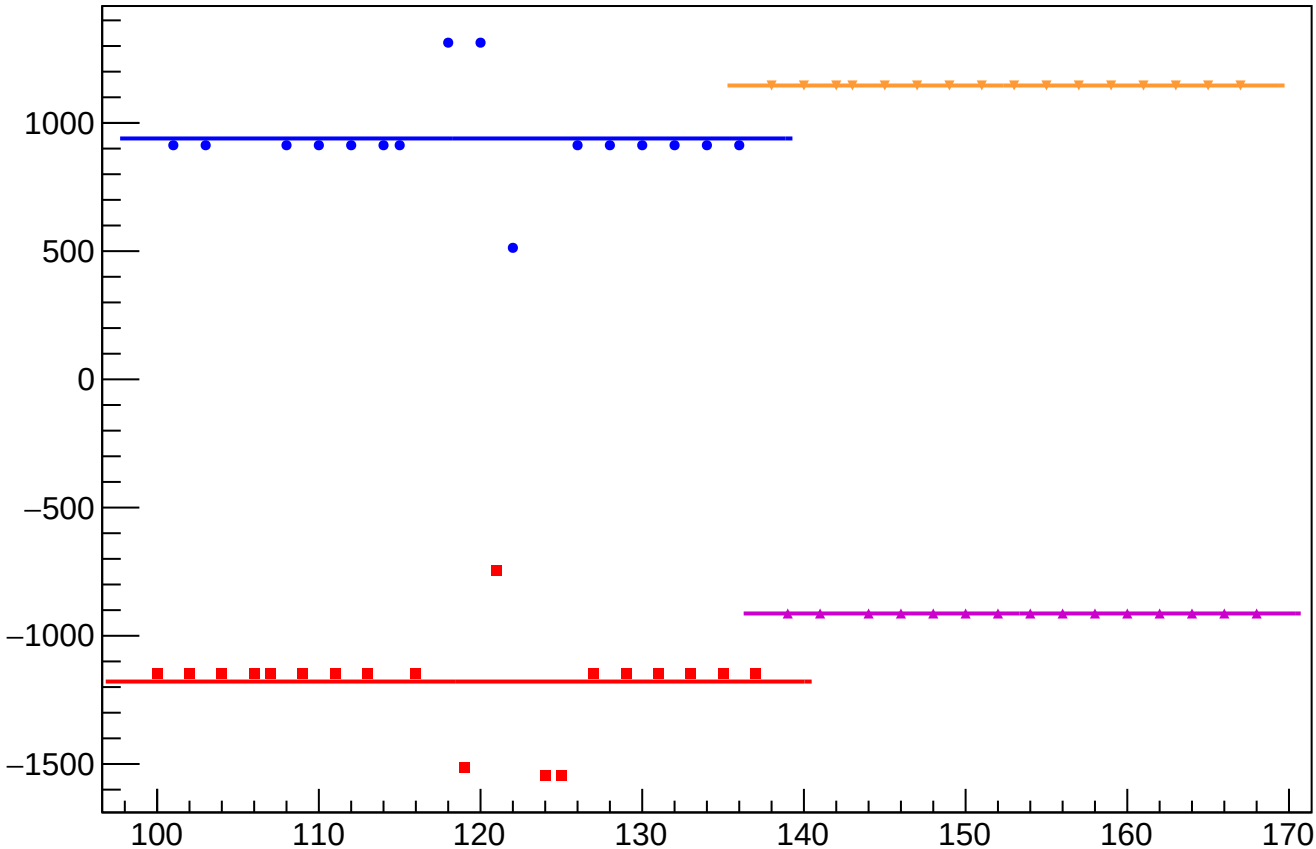
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -4.832+/-0.000 χ^2/NDF:525301052185996183

Out: 4.252+/-0.000 χ^2/NDF:492399711379490795

All: -0.186+/-0.000 χ^2/NDF: 1101036665267

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:5114668462794577972513734656.0/15

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Left In: -912.994+/-0.000 χ^2/NDF:17729888616980265872761290752.0/14

Left: 127.570+/-0.000 χ^2/NDF: 2761717873904017

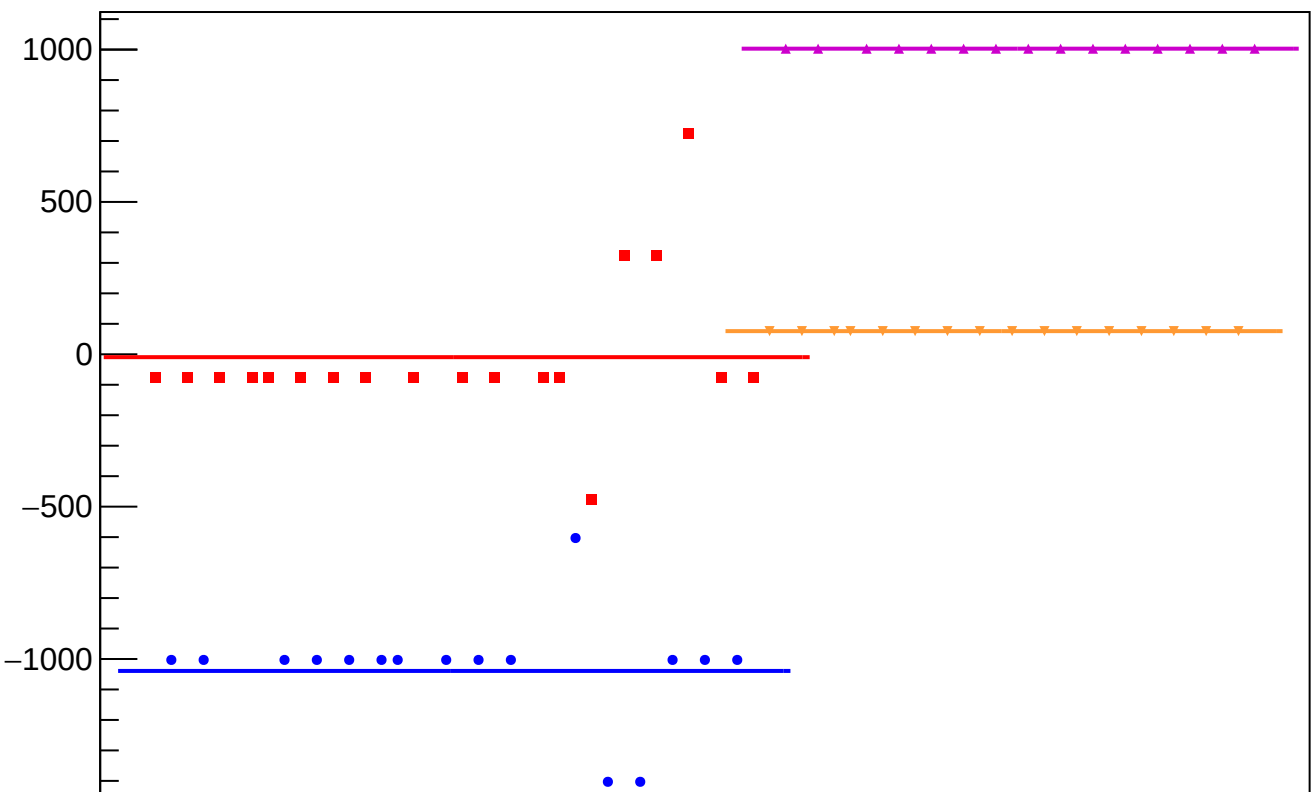
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: -236.808+/-0.000 χ^2/NDF:1635678112492188

Out: 293.313+/-0.000 χ^2/NDF:2632588566214586

All: 31.477+/-0.000 χ^2/NDF: 4556980572762

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 534.521+/-0.000 χ^2/NDF: 5597621195840621

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:95047251446883004346930298880.0/15

In: 257.556+/-0.000 χ^2/NDF:19850953692983051

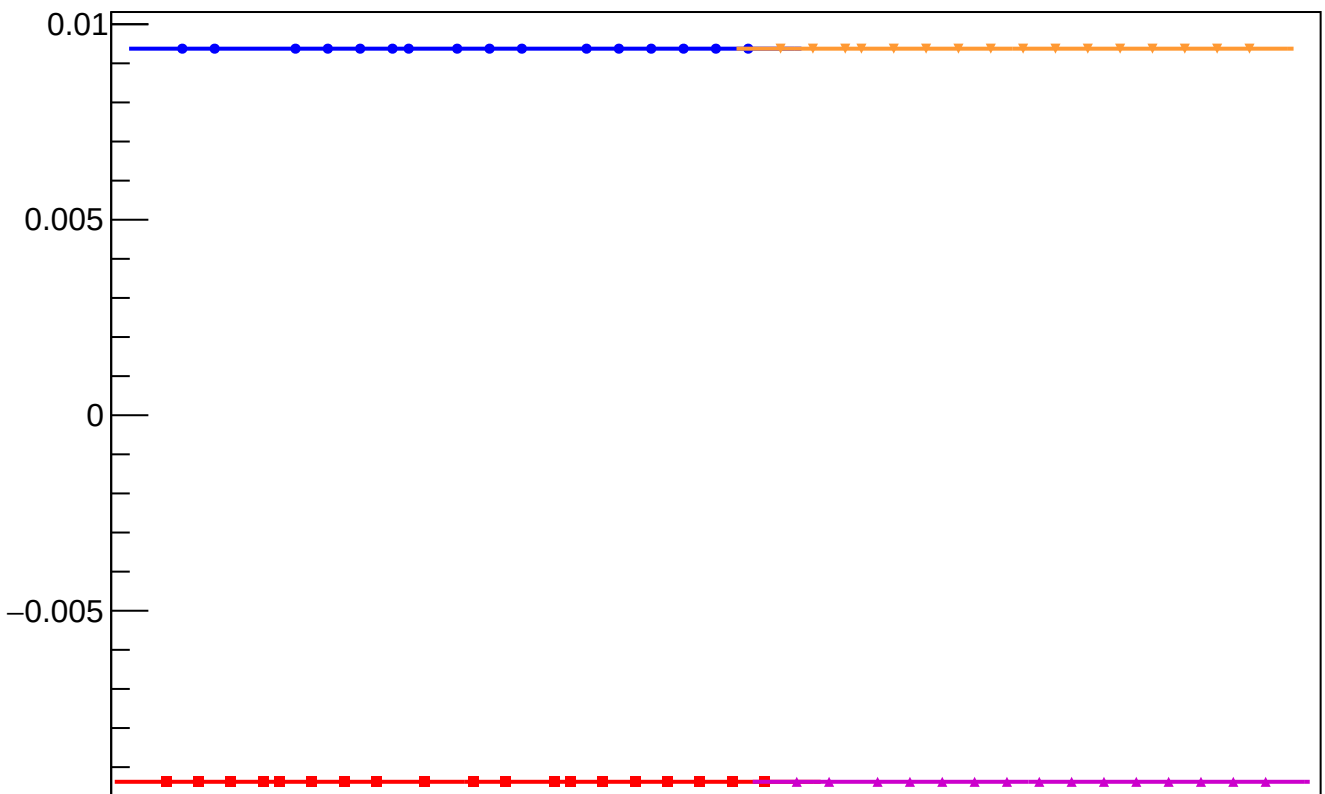
Right Out: -9.430+/-0.000 χ^2/NDF: 46057394734928766474893736526051540992.0/18

Out: 44.669+/-0.000 χ^2/NDF:49584195839825883

Left In: 1002.990+/-0.000 χ^2/NDF:213446758216648502807416012 8.0/14

All: 149.818+/-0.000 χ^2/NDF: 208123978198

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:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

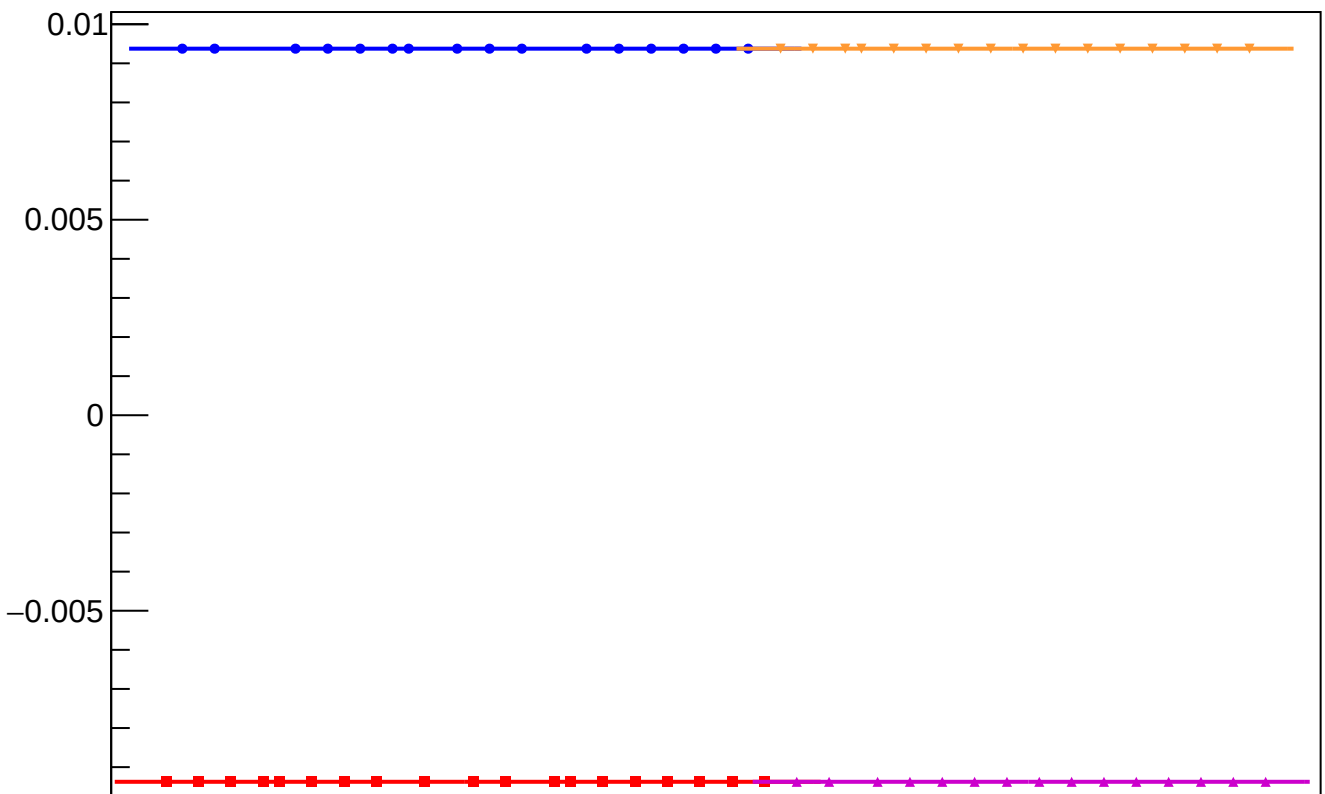
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051

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:0.0/15

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/14

Left: 0.000+/-0.000 χ^2/NDF: 229016527364734430

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:165416044488915833

Out: 0.002+/-0.000 χ^2/NDF:169843731219951567

All: 0.000+/-0.000 χ^2/NDF: 3612296989051