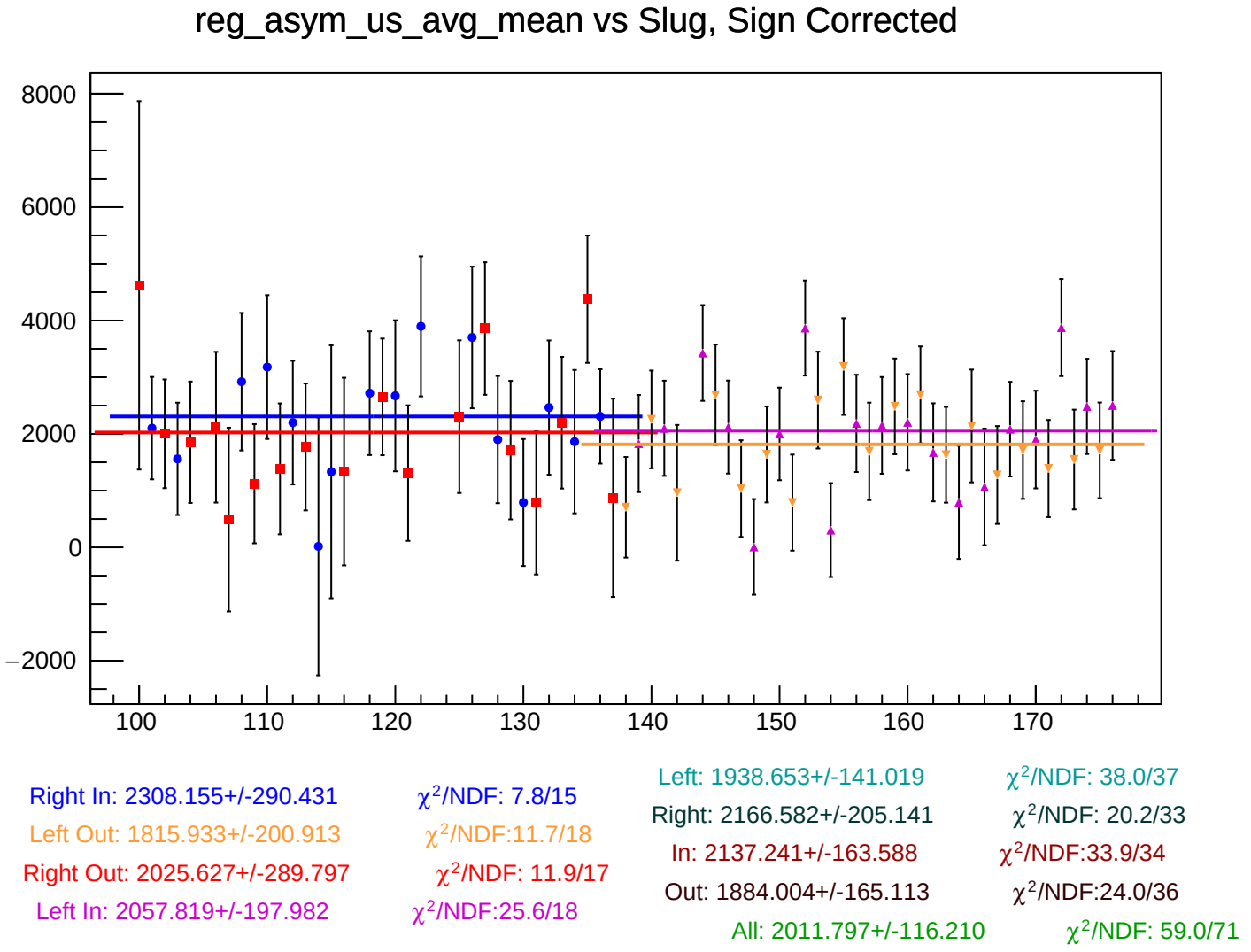
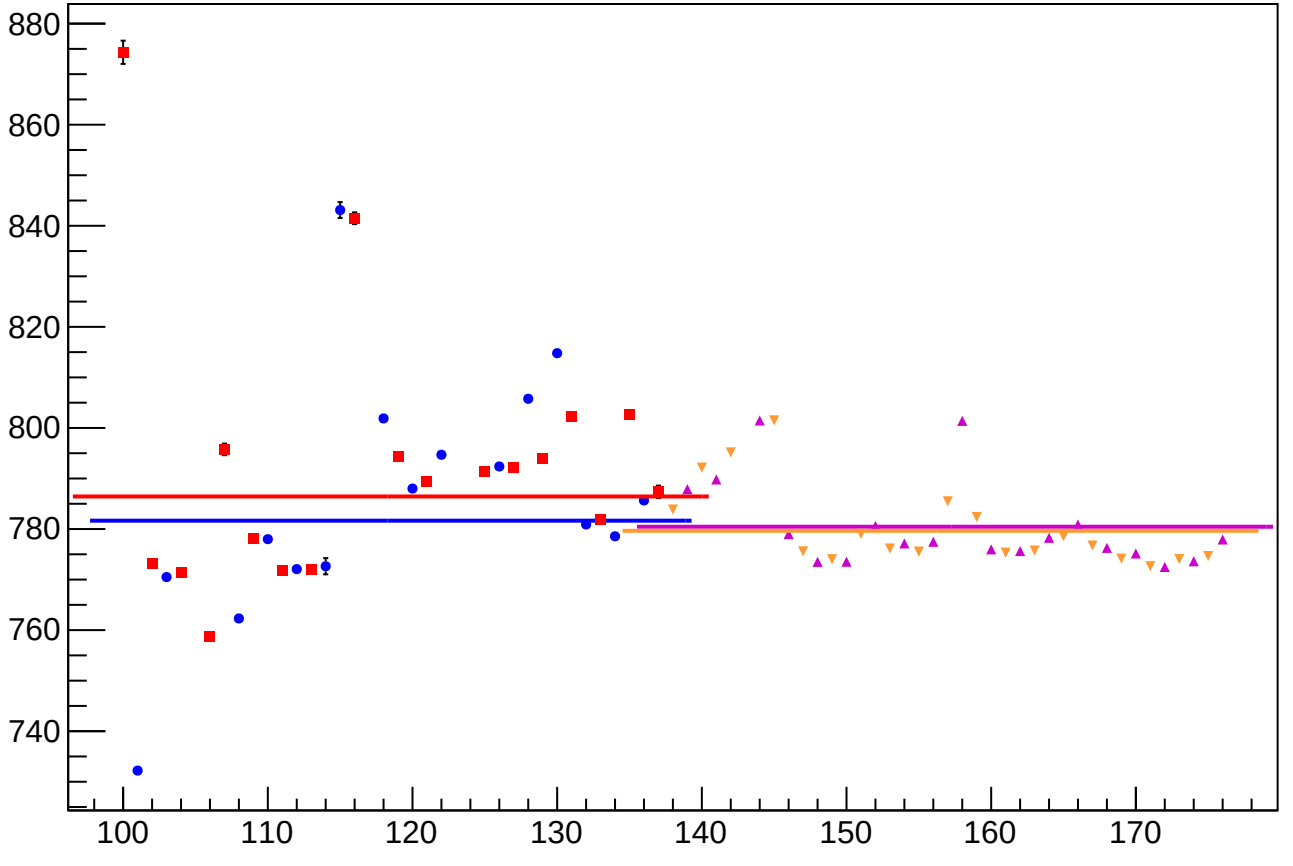

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1815.933+/-200.913
χ²/NDF:11.7/18
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2057.819+/-197.982
χ²/NDF:25.6/18
Left: 1938.653+/-141.019
χ²/NDF: 38.0/37
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2137.241+/-163.588
χ²/NDF:33.9/34
Out: 1884.004+/-165.113
χ²/NDF:24.0/36
All: 2011.797+/-116.210
χ²/NDF: 59.0/71

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

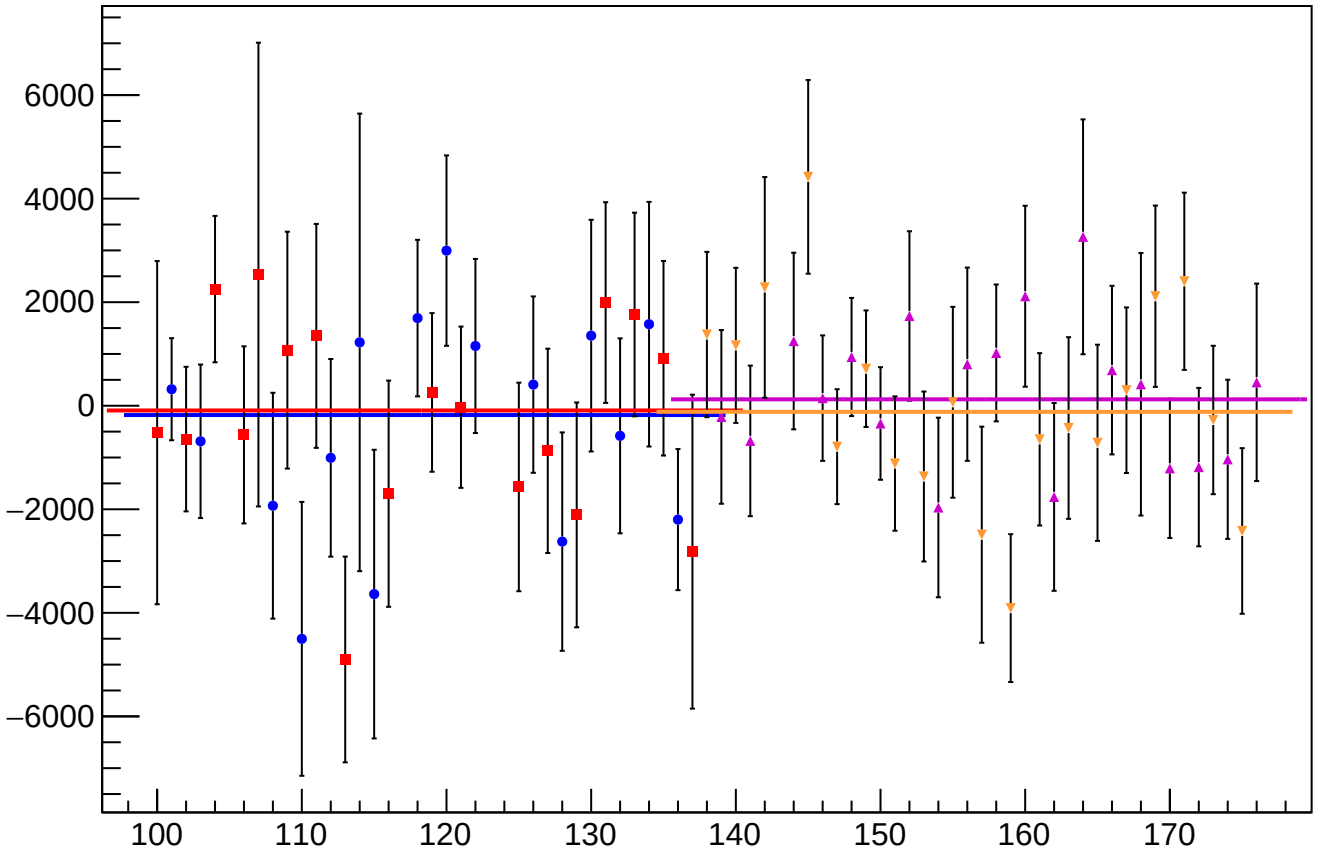
Left: 780.057+/-0.100 χ^2/NDF: 6593.2/37

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

In: 780.834+/-0.116 χ^2/NDF:16098.9/34

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

Left In: 123.938+/-352.022 χ^2/NDF:11.2/18

Left: 5.139+/-250.817 χ^2/NDF: 36.8/37

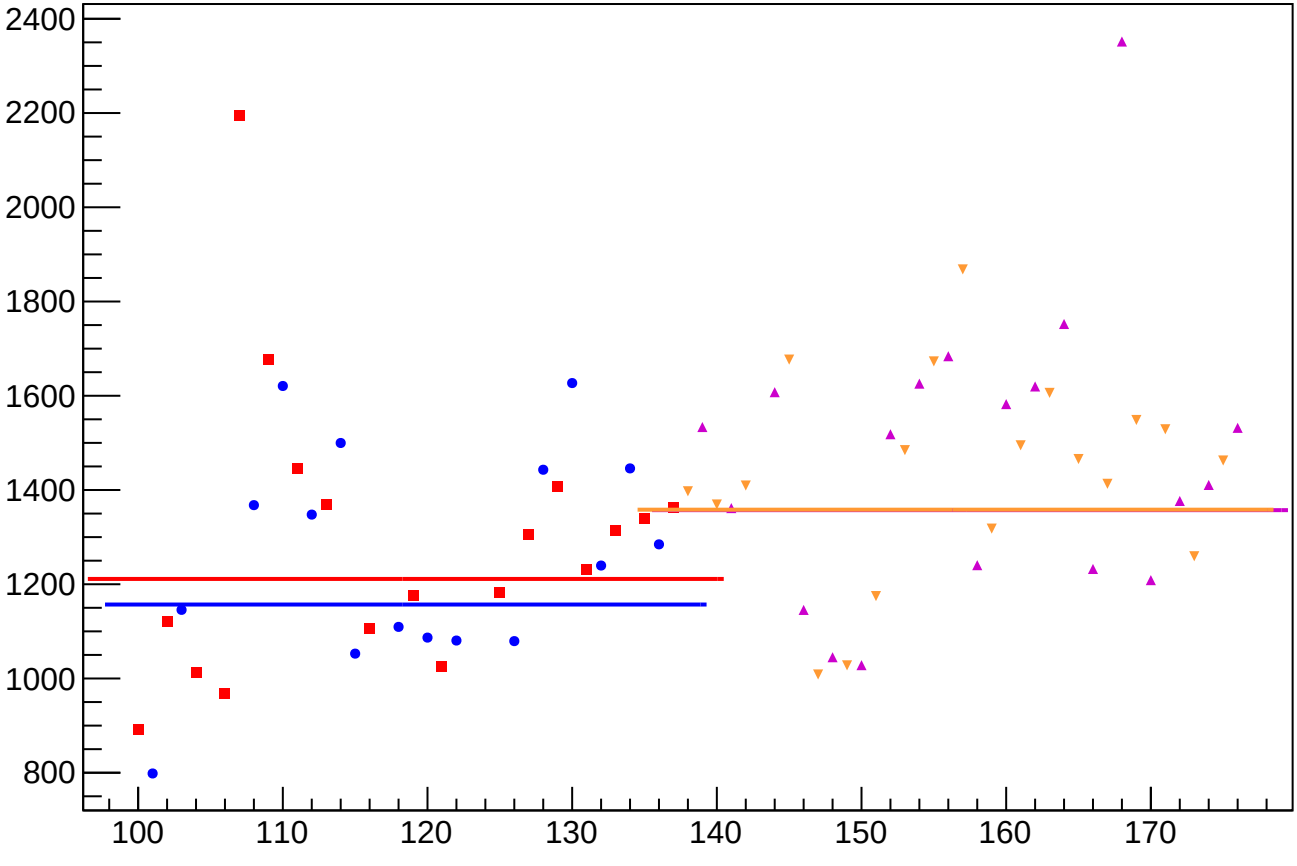
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -49.687+/-196.580 χ^2/NDF: 67.6/71

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1358.238+/-0.253 χ^2/NDF:786203.2/18

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

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

Left: 1357.730+/-0.177 χ^2/NDF: 1888478.6/37

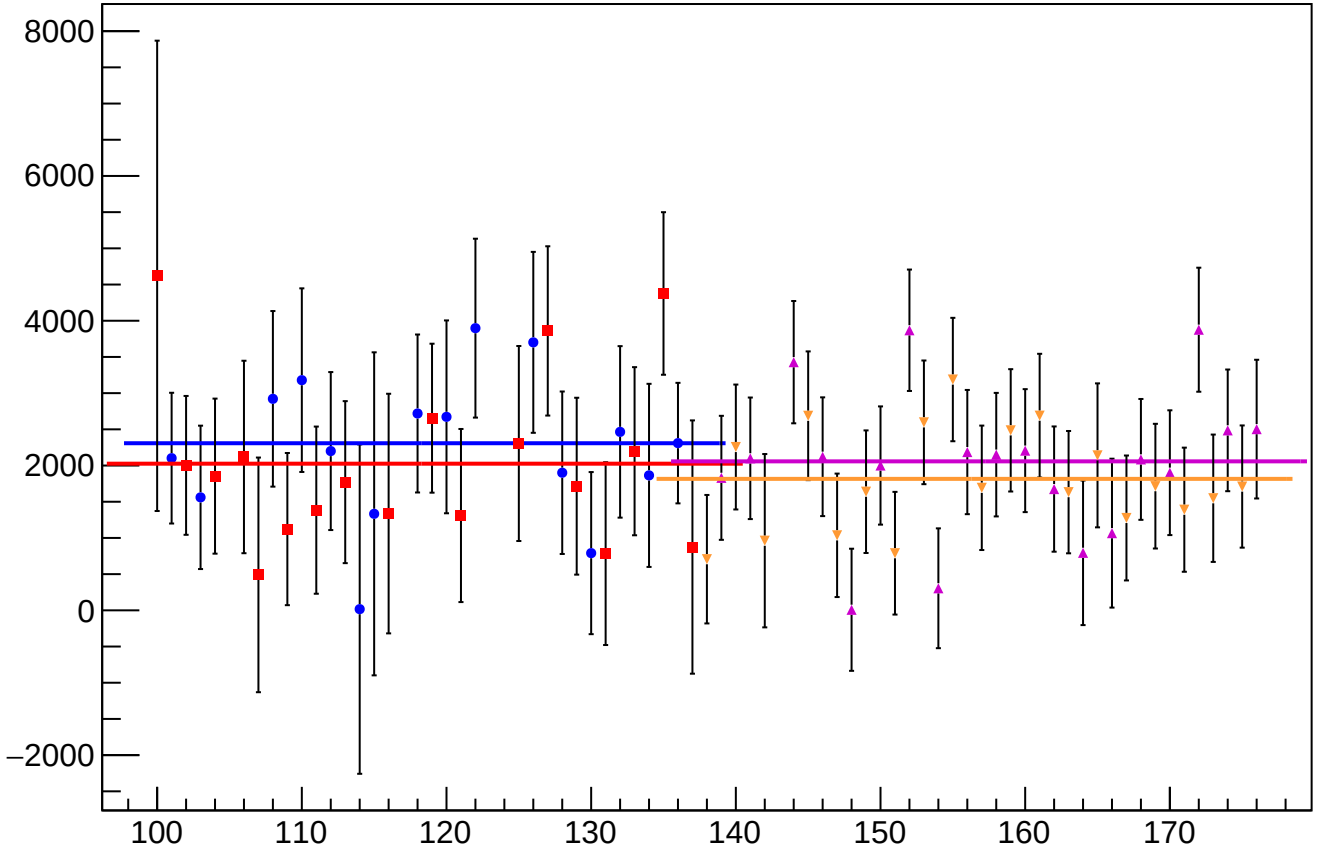
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1279.236+/-0.194 χ^2/NDF:1923529.3/34

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1815.933+/-200.913 χ^2/NDF:11.7/18

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

Left In: 2057.819+/-197.982 χ^2/NDF:25.6/18

Left: 1938.653+/-141.019 χ^2/NDF: 38.0/37

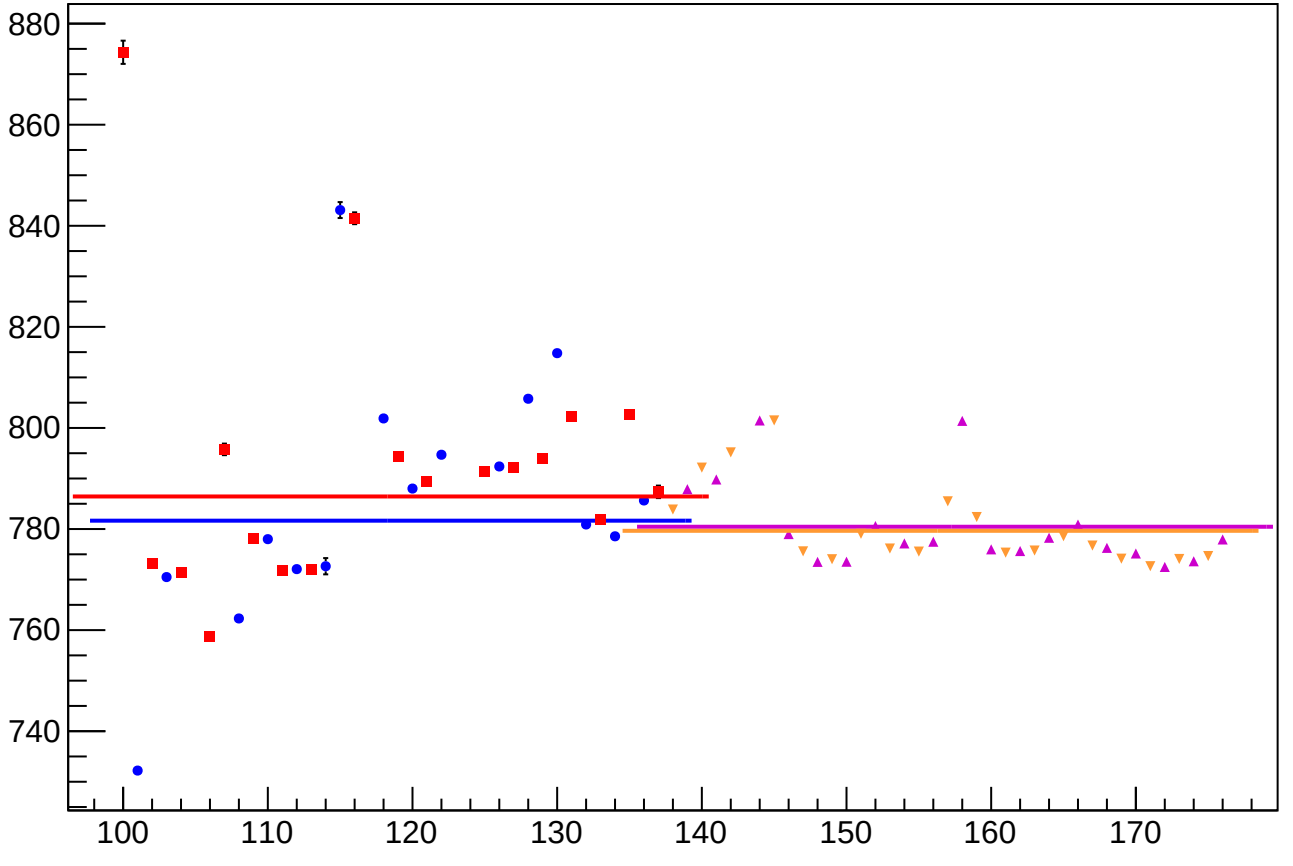
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2137.241+/-163.588 χ^2/NDF:33.9/34

Out: 1884.004+/-165.113 χ^2/NDF:24.0/36

All: 2011.797+/-116.210 χ^2/NDF: 59.0/71

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

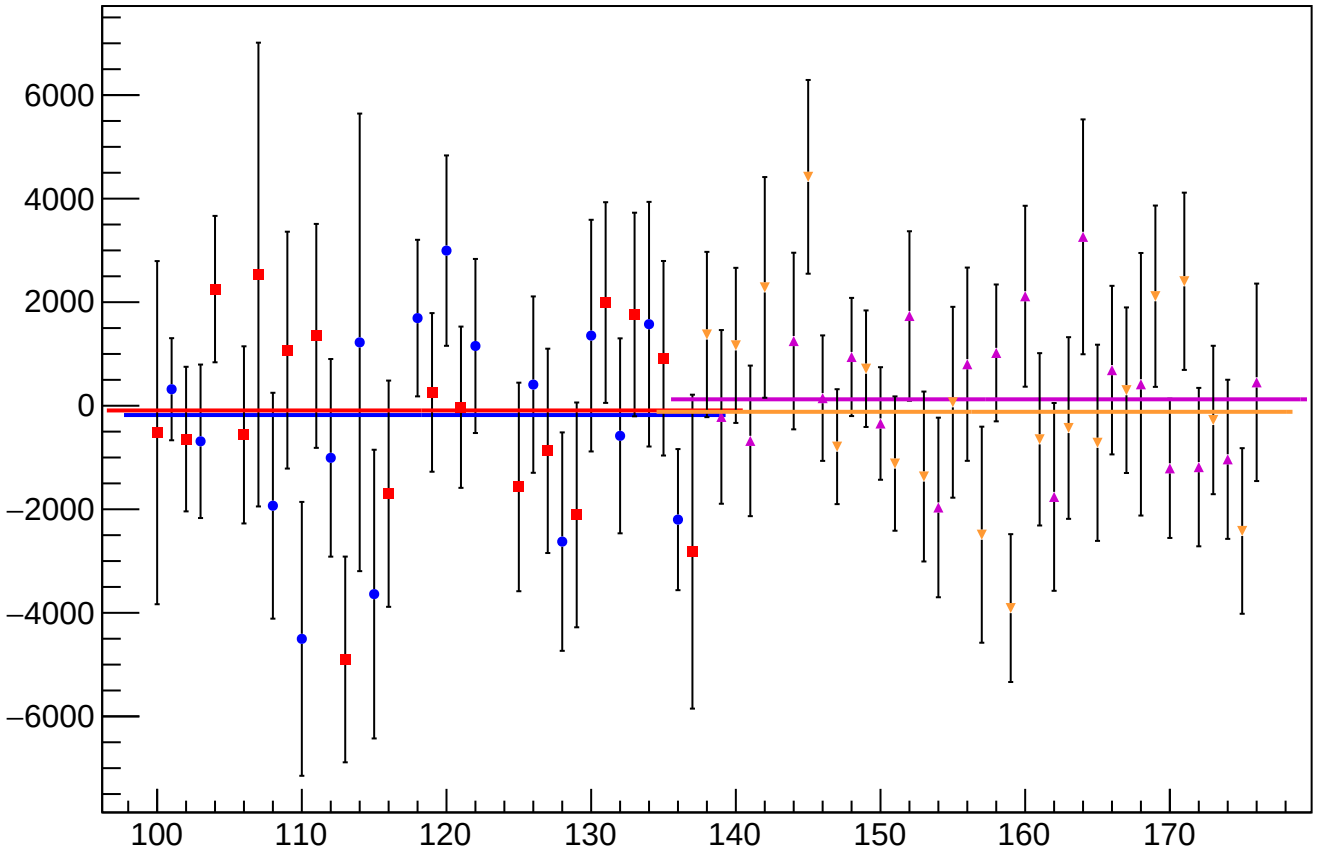
Left: 780.057+/-0.100 χ^2/NDF: 6593.2/37

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

In: 780.834+/-0.116 χ^2/NDF:16098.9/34

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

Left In: 123.938+/-352.022 χ^2/NDF:11.2/18

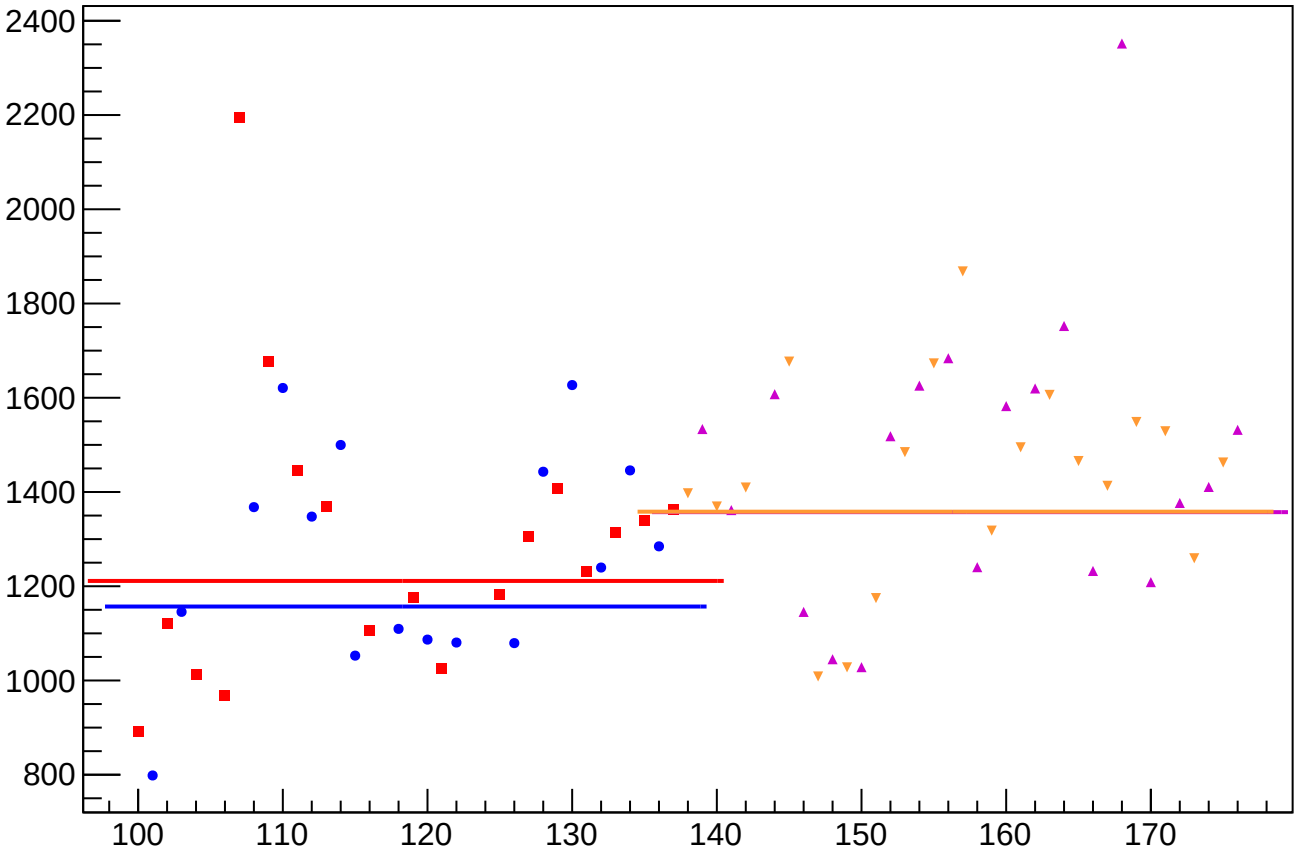
Left: 5.139+/-250.817 χ^2/NDF: 36.8/37

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

In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -49.687+/-196.580 χ^2/NDF: 67.6/71



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

Left Out: 1358.238+/-0.253 χ^2/NDF:786203.2/18

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

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

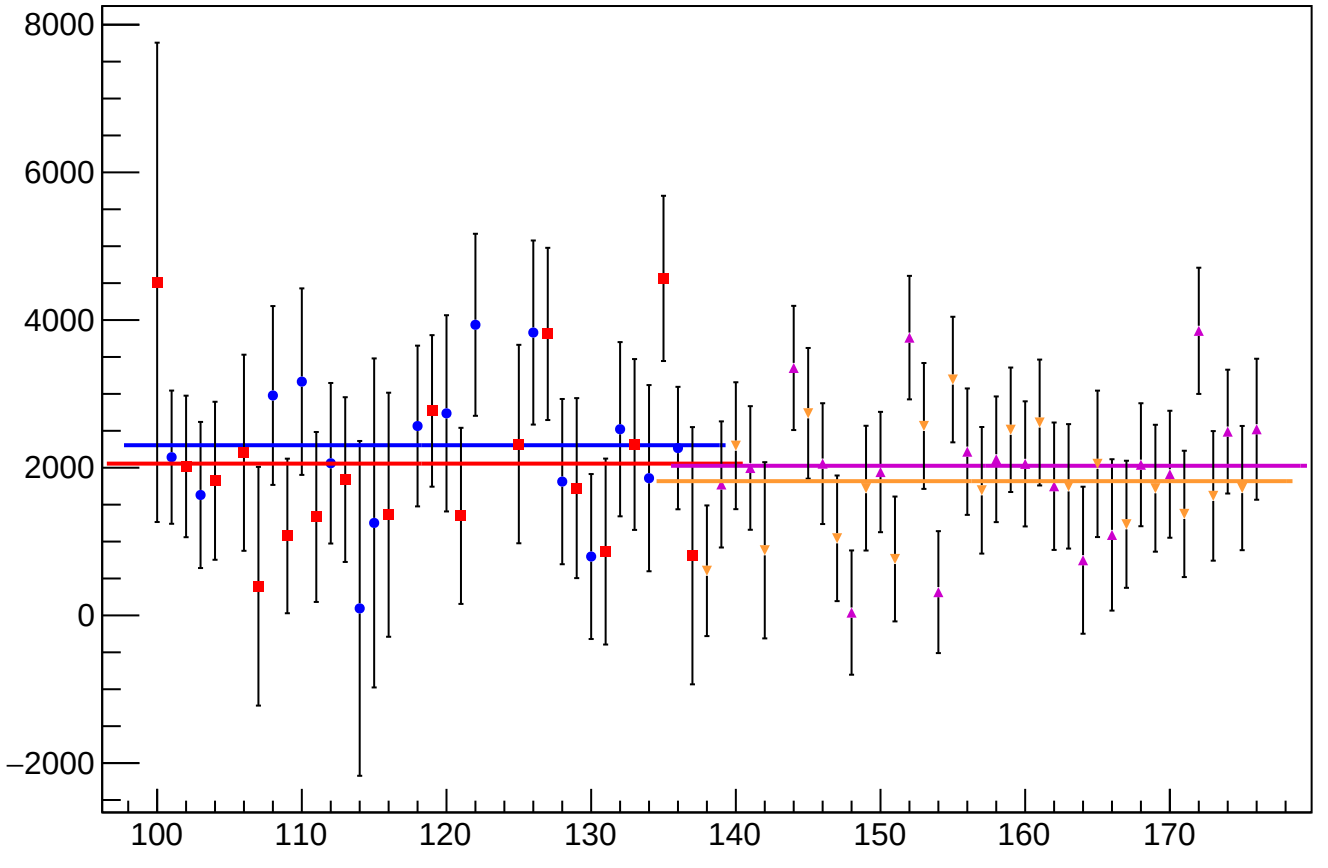
Left: 1357.730+/-0.177 χ^2/NDF: 1888478.6/37

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

In: 1279.236+/-0.194 χ^2/NDF:1923529.3/34

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71



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

Left Out: 1818.116+/-200.383 χ^2/NDF:12.1/18

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

Left In: 2026.396+/-197.466 χ^2/NDF:24.6/18

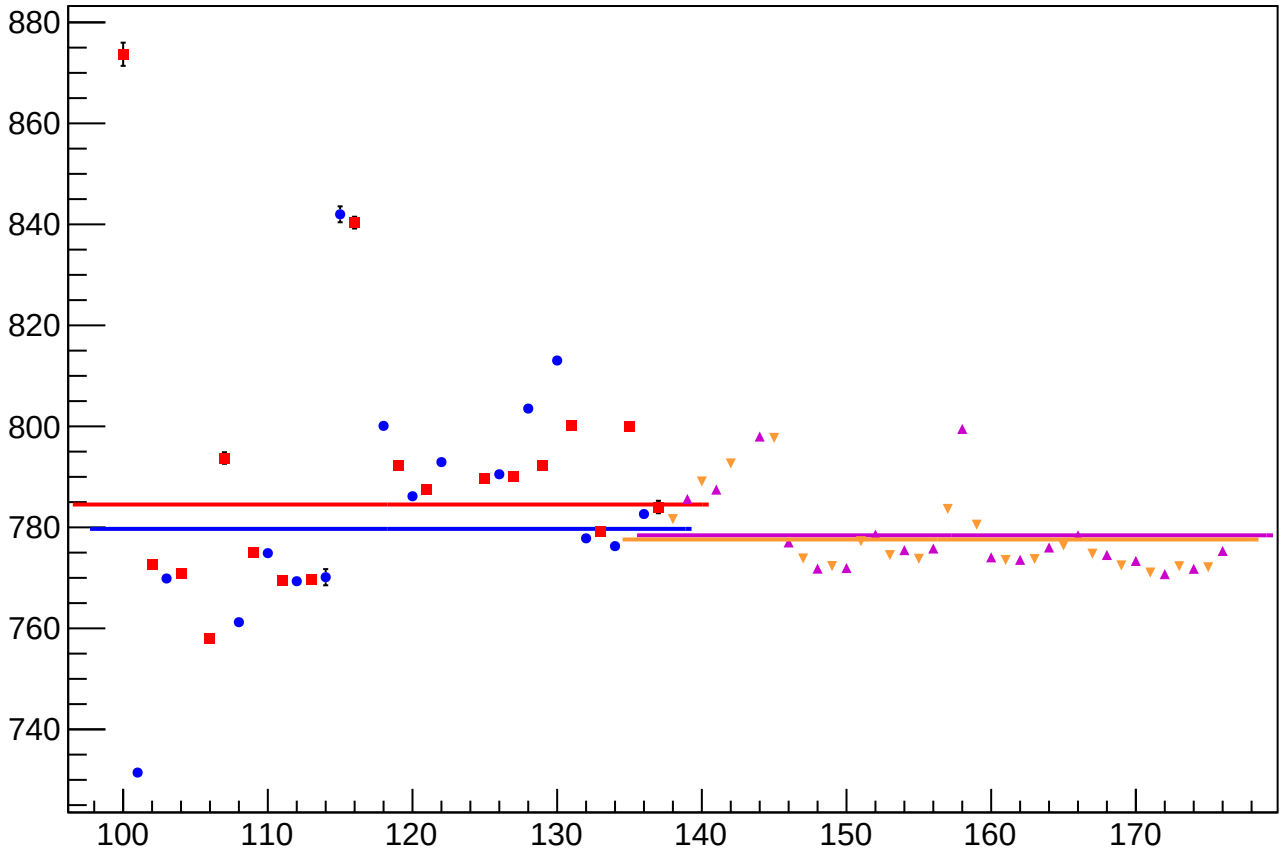
Left: 1923.783+/-140.649 χ^2/NDF: 37.2/37

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

In: 2114.728+/-163.167 χ^2/NDF:33.3/34

Out: 1895.209+/-164.688 χ^2/NDF:25.4/36

All: 2005.987+/-115.911 χ^2/NDF: 59.6/71



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

Left Out: 777.602+/-0.142 χ^2/NDF:2517.0/18

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

Left In: 778.423+/-0.140 χ^2/NDF:3531.3/18

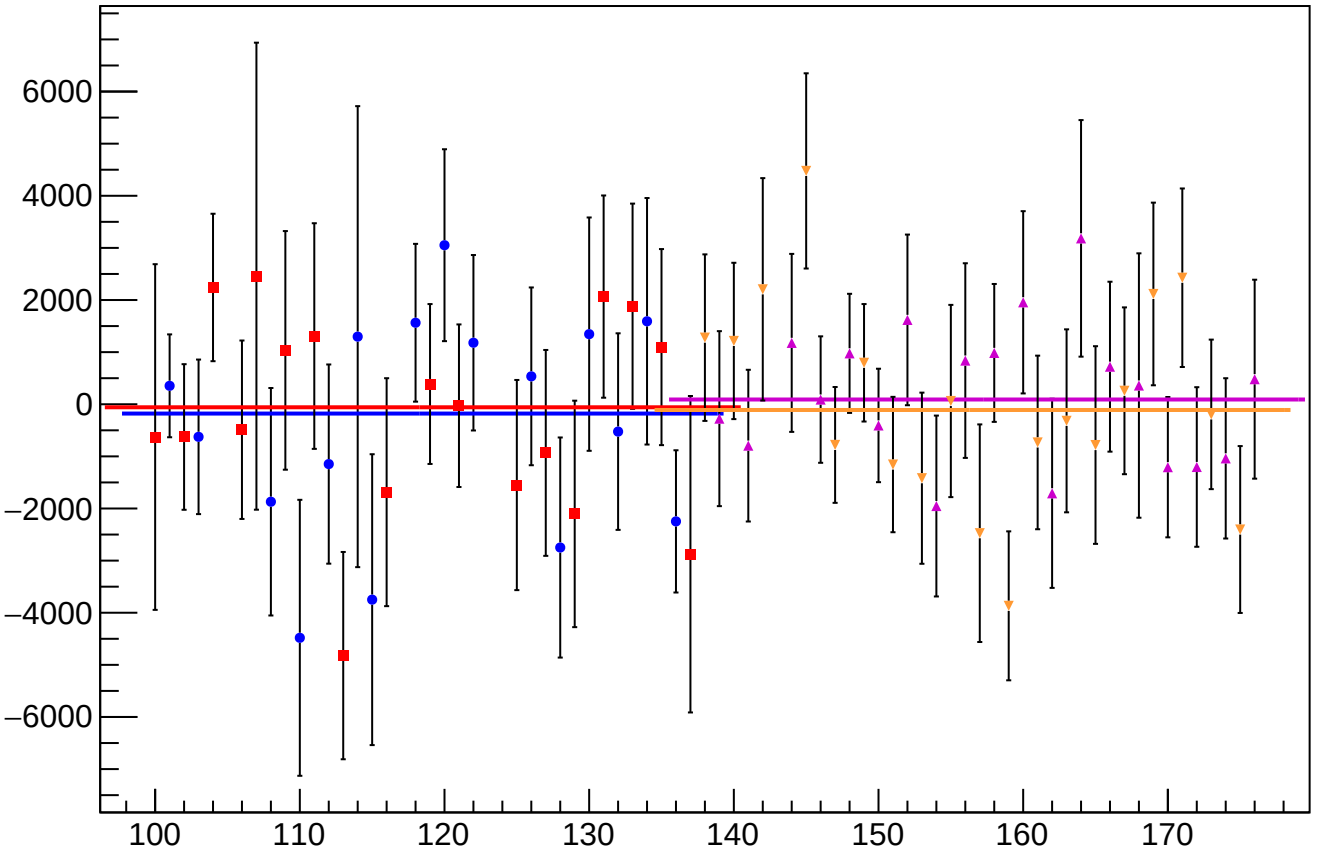
Left: 778.019+/-0.099 χ^2/NDF: 6065.4/37

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

In: 778.829+/-0.115 χ^2/NDF:15618.1/34

Out: 779.849+/-0.116 χ^2/NDF:10451.6/36

All: 779.334+/-0.082 χ^2/NDF: 26108.4/71



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

Left Out: -109.857+/-357.788 χ^2/NDF:25.4/18

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

Left In: 91.239+/-352.341 χ^2/NDF:10.9/18

Left: -7.766+/-251.047 χ^2/NDF: 36.4/37

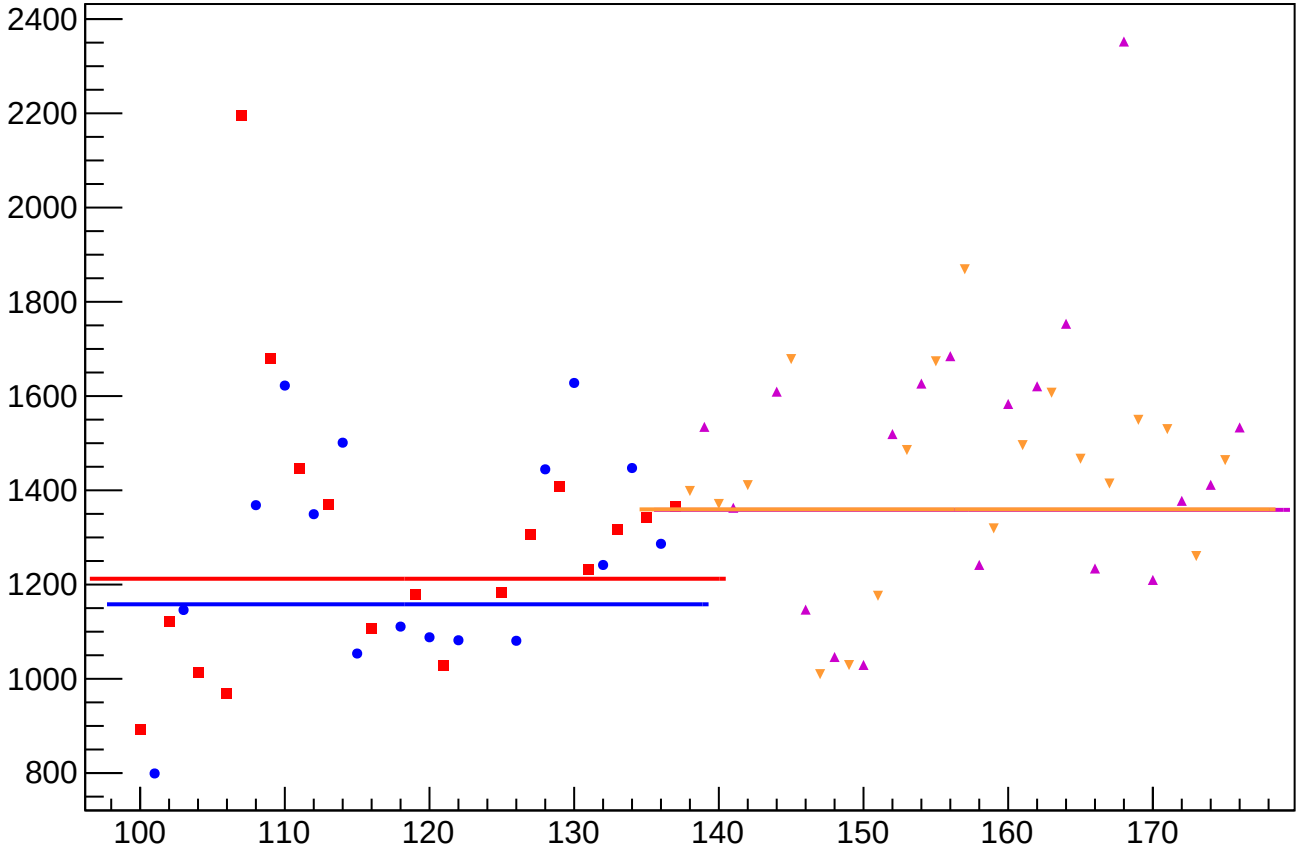
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -13.777+/-275.325 χ^2/NDF:26.8/34

Out: -90.070+/-281.300 χ^2/NDF:40.7/36

All: -51.105+/-196.763 χ^2/NDF: 67.5/71

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: 1359.565+/-0.253 χ^2/NDF:784069.6/18

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

Left In: 1358.535+/-0.249 χ^2/NDF:1099820.5/18

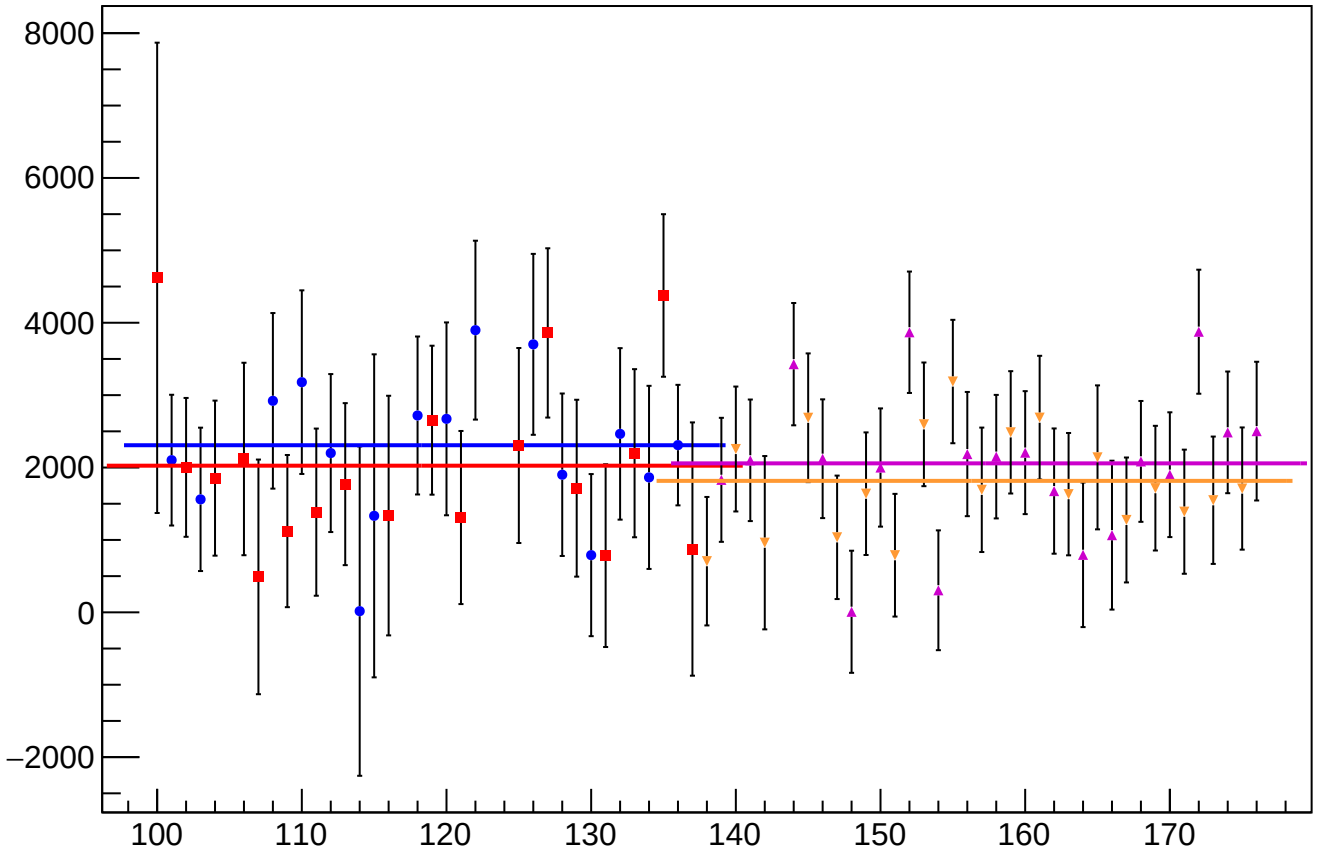
Left: 1359.042+/-0.178 χ^2/NDF: 1883898.5/37

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

In: 1280.501+/-0.195 χ^2/NDF:1920900.7/34

Out: 1303.348+/-0.199 χ^2/NDF:1311309.4/36

All: 1291.679+/-0.139 χ^2/NDF: 3238948.5/71



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

Left Out: 1815.933+/-200.913 χ^2/NDF:11.7/18

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

Left In: 2057.819+/-197.982 χ^2/NDF:25.6/18

Left: 1938.653+/-141.019 χ^2/NDF: 38.0/37

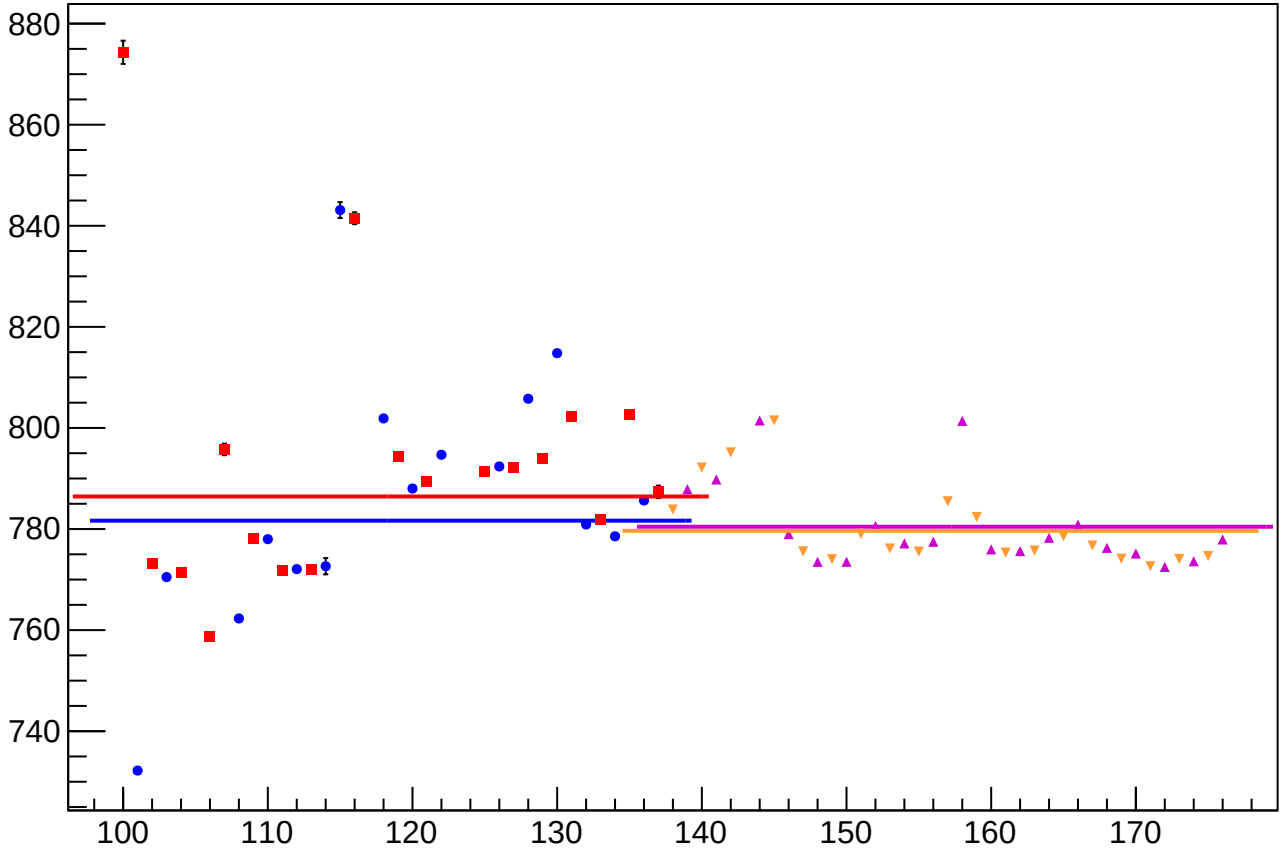
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2137.241+/-163.588 χ^2/NDF:33.9/34

Out: 1884.004+/-165.113 χ^2/NDF:24.0/36

All: 2011.797+/-116.210 χ^2/NDF: 59.0/71

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.650+/-0.142 χ^2/NDF:2820.5/18

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

Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

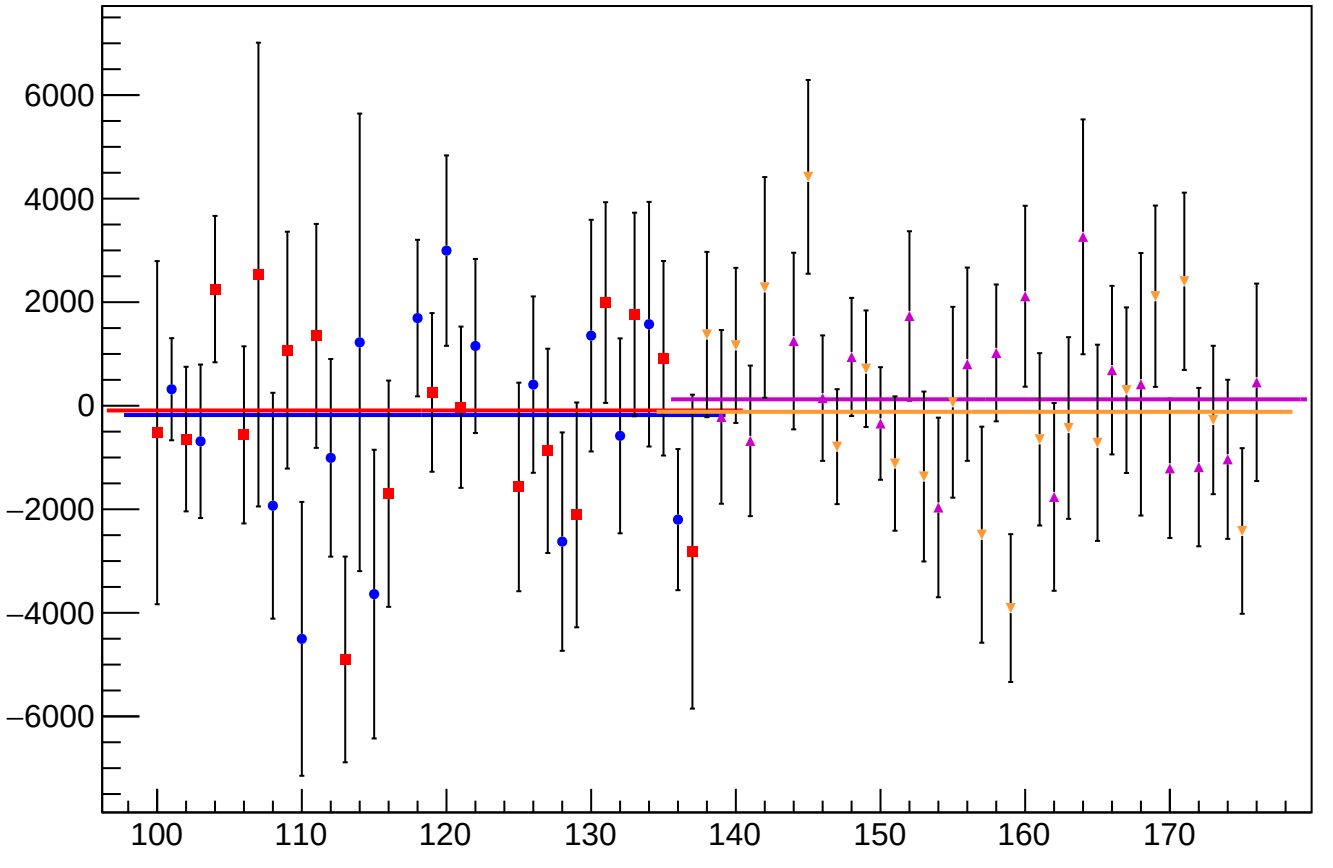
Left: 780.057+/-0.100 χ^2/NDF: 6593.2/37

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

In: 780.834+/-0.116 χ^2/NDF:16098.9/34

Out: 781.855+/-0.117 χ^2/NDF:10764.3/36

All: 781.340+/-0.082 χ^2/NDF: 26901.8/71



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

Left Out: -117.358+/-357.459 χ^2/NDF:25.4/18

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

Left In: 123.938+/-352.022 χ^2/NDF:11.2/18

Left: 5.139+/-250.817 χ^2/NDF: 36.8/37

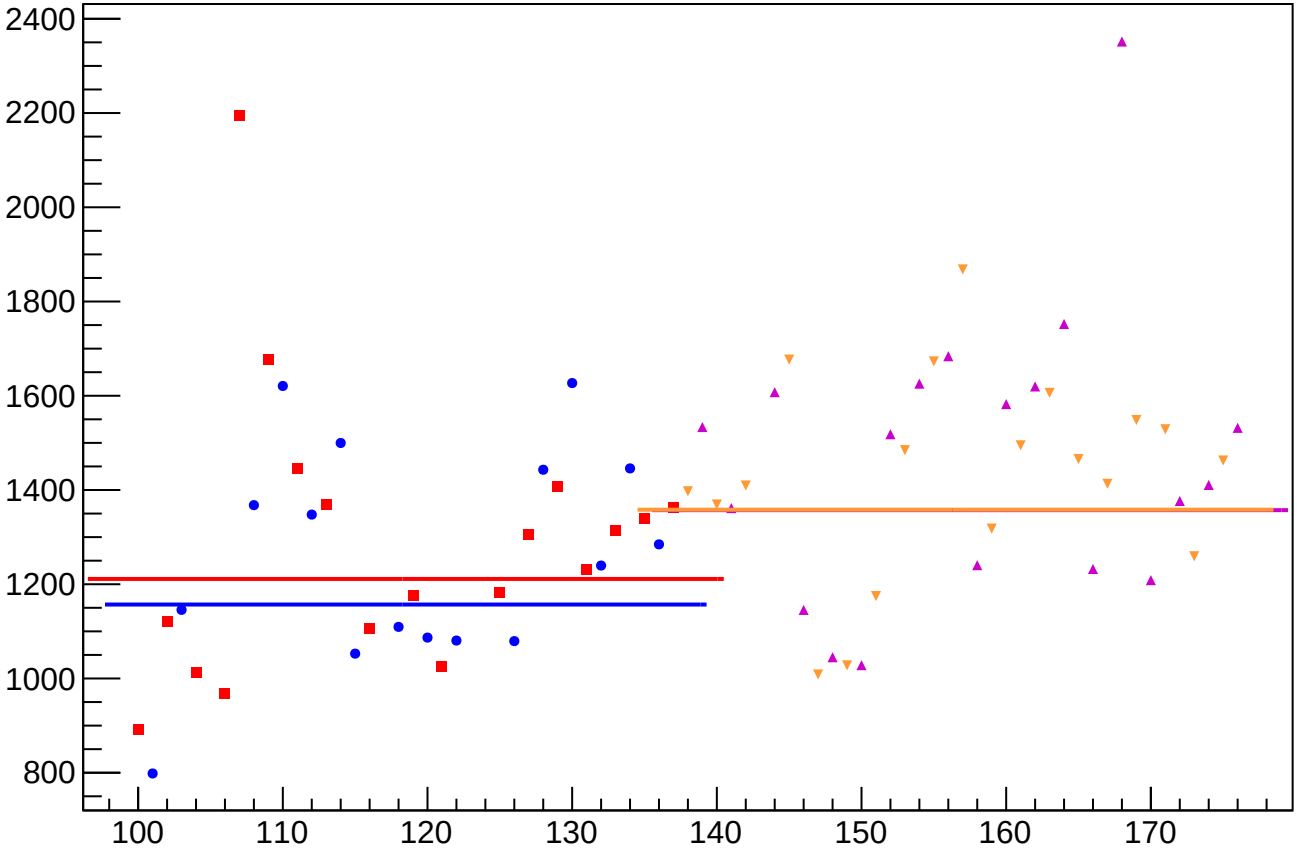
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -107.403+/-281.044 χ^2/NDF:40.6/36

All: -49.687+/-196.580 χ^2/NDF: 67.6/71

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: 1358.238+/-0.253 χ^2/NDF:786203.2/18

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

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

Left: 1357.730+/-0.177 χ^2/NDF: 1888478.6/37

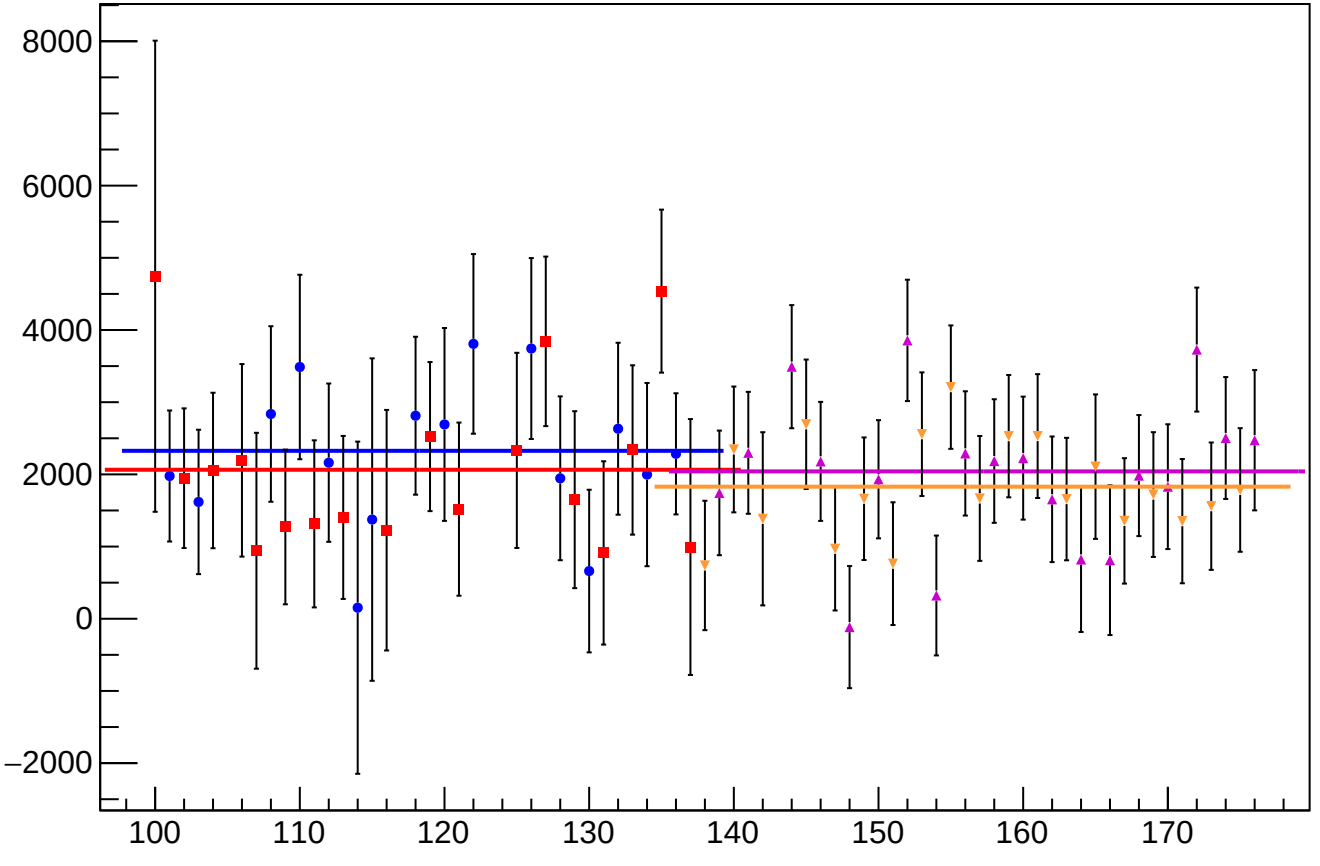
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1279.236+/-0.194 χ^2/NDF:1923529.3/34

Out: 1302.117+/-0.199 χ^2/NDF:1313023.9/36

All: 1290.430+/-0.139 χ^2/NDF: 3243323.4/71

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1829.663+/-201.978 χ^2/NDF:11.1/18

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

Left In: 2041.532+/-198.981 χ^2/NDF:26.3/18

Left: 1937.181+/-141.748 χ^2/NDF: 37.9/37

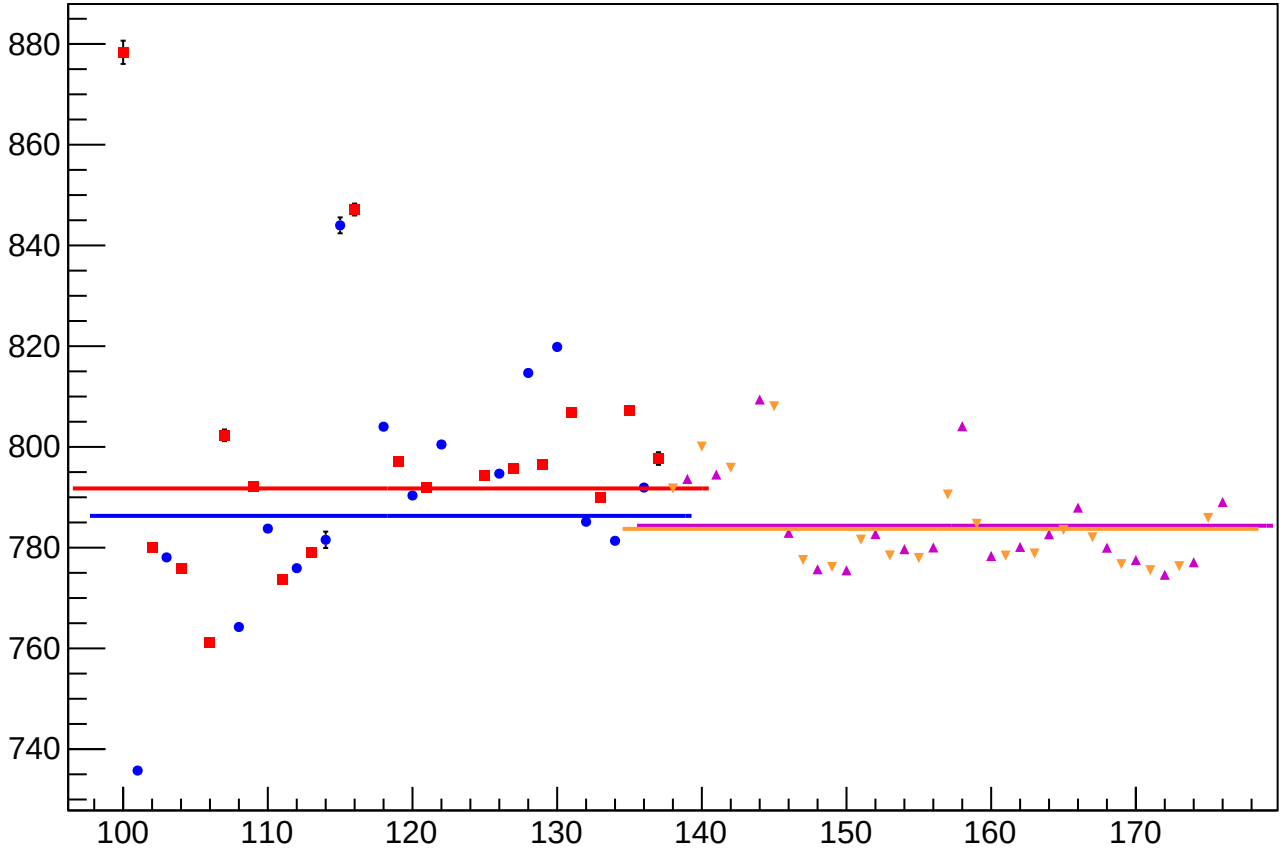
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2131.801+/-164.463 χ^2/NDF:35.1/34

Out: 1905.565+/-166.073 χ^2/NDF:23.1/36

All: 2019.785+/-116.858 χ^2/NDF: 59.1/71

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.734+/-0.143 χ^2/NDF:3729.6/18

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

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

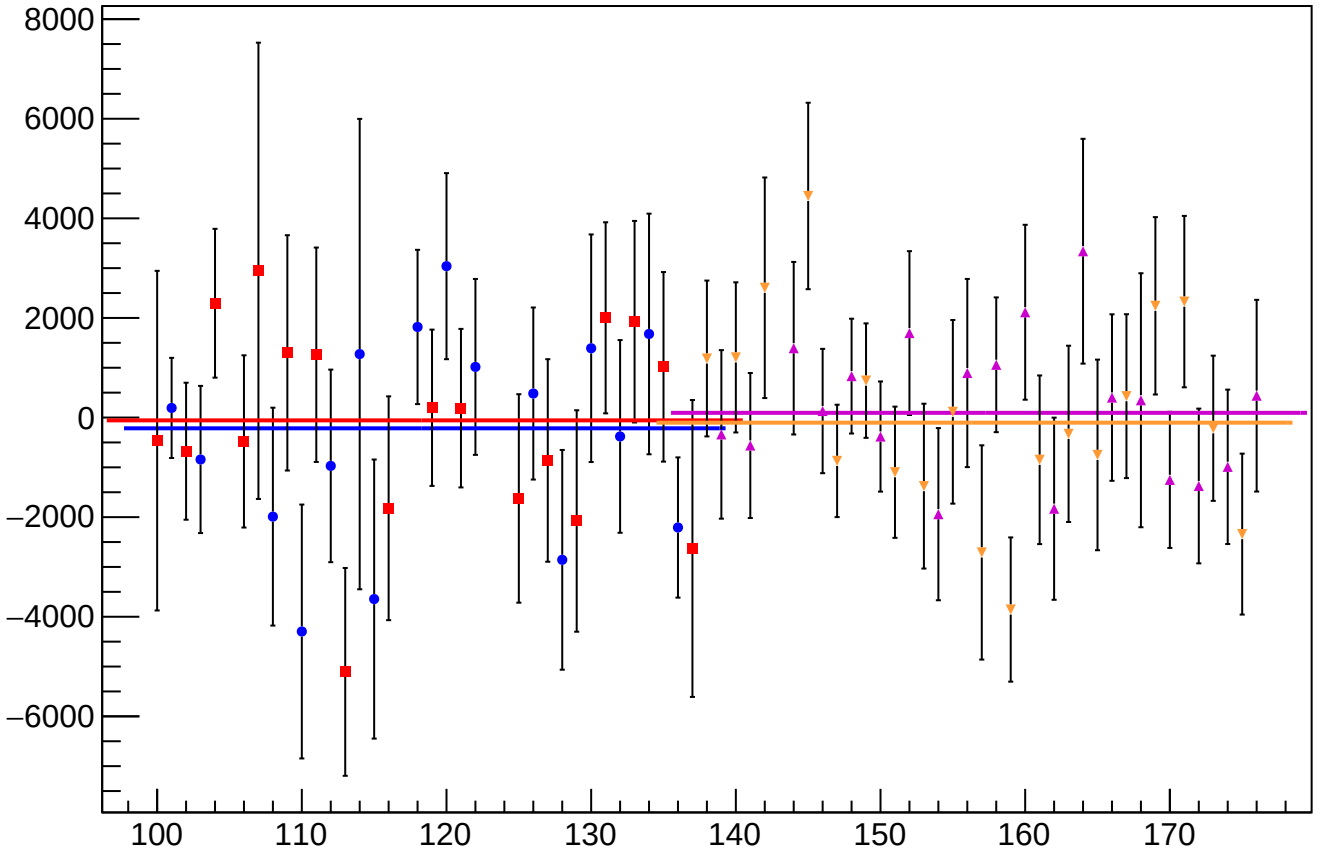
Left: 784.050+/-0.100 χ^2/NDF: 8426.1/37

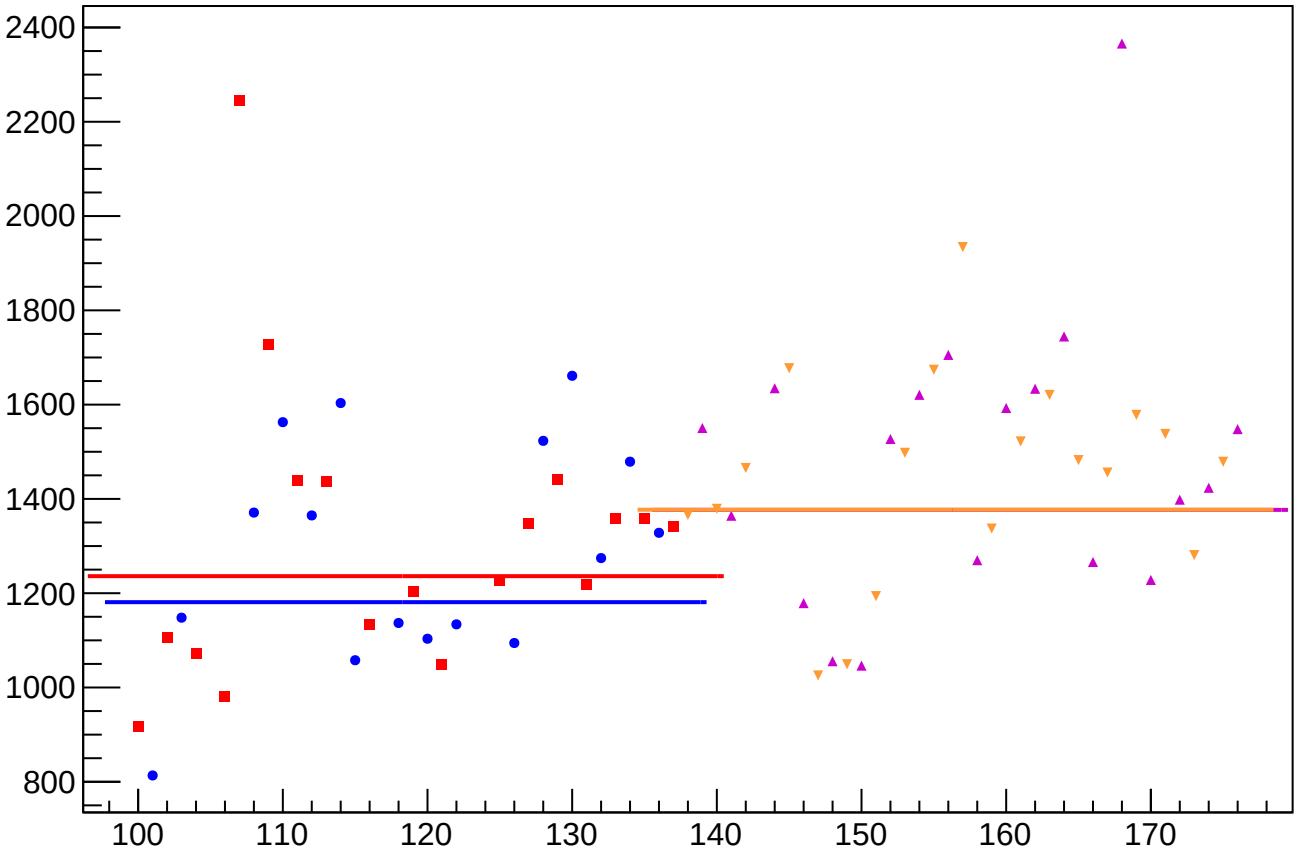
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 784.975+/-0.116 χ^2/NDF:17318.9/34

Out: 786.333+/-0.117 χ^2/NDF:11766.7/36

All: 785.647+/-0.083 χ^2/NDF: 29153.2/71


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -102.524+/-362.115 χ²/NDF:25.3/18
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 94.555+/-356.608 χ²/NDF:11.4/18
Left: -2.474+/-254.084 χ²/NDF: 36.8/37
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -25.463+/-279.378 χ²/NDF:26.9/34
Out: -85.210+/-285.465 χ²/NDF:40.4/36
All: -54.693+/-199.667 χ²/NDF: 67.4/71



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

Left Out: 1377.124+/-0.256 χ^2/NDF:771140.3/18

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

Left In: 1376.748+/-0.252 χ^2/NDF:1053161.5/18

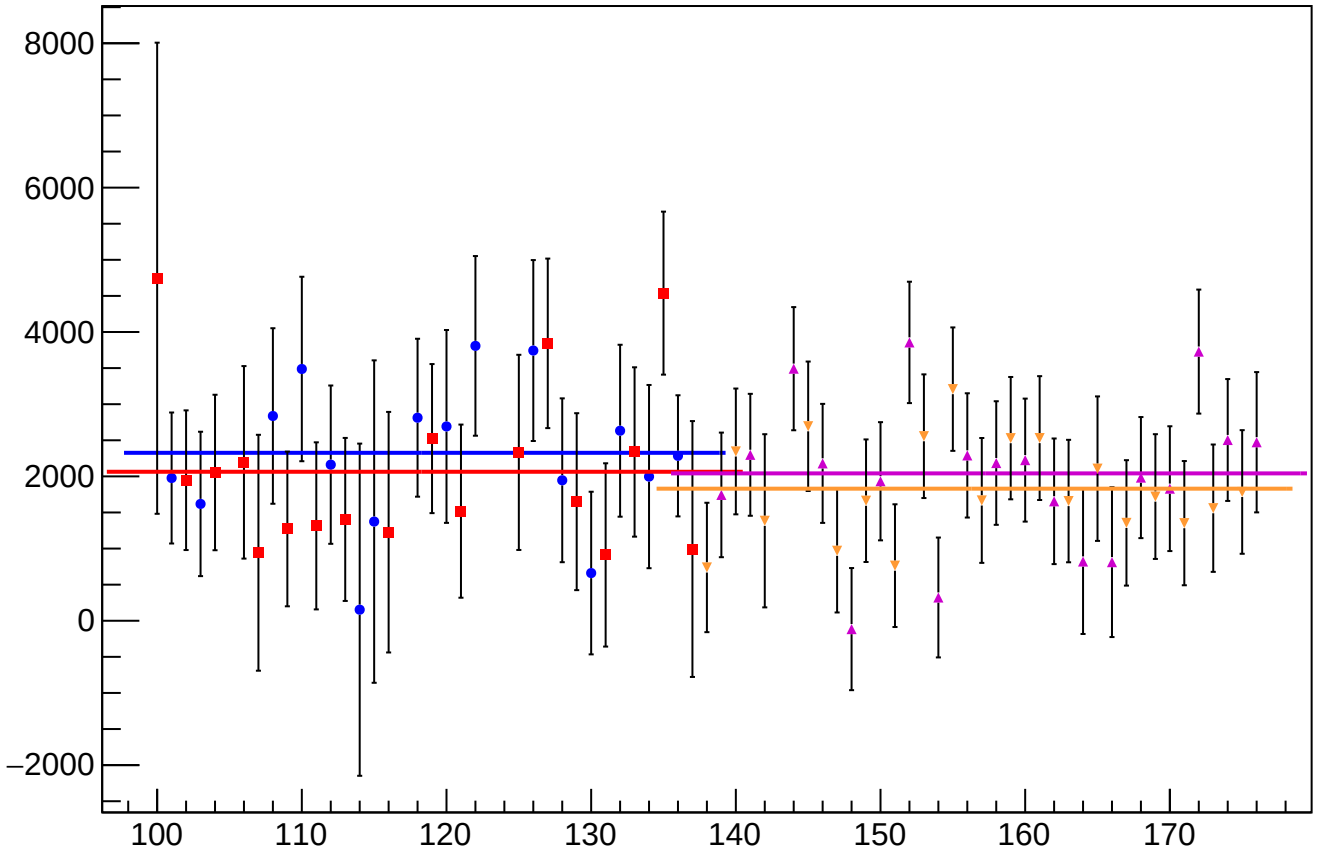
Left: 1376.933+/-0.180 χ^2/NDF: 1824302.8/37

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

In: 1301.142+/-0.198 χ^2/NDF:1857026.7/34

Out: 1323.754+/-0.202 χ^2/NDF:1283151.2/36

All: 1312.204+/-0.141 χ^2/NDF: 3146587.4/71



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

Left Out: 1829.660+/-201.978 χ^2/NDF:11.1/18

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

Left In: 2041.533+/-198.981 χ^2/NDF:26.3/18

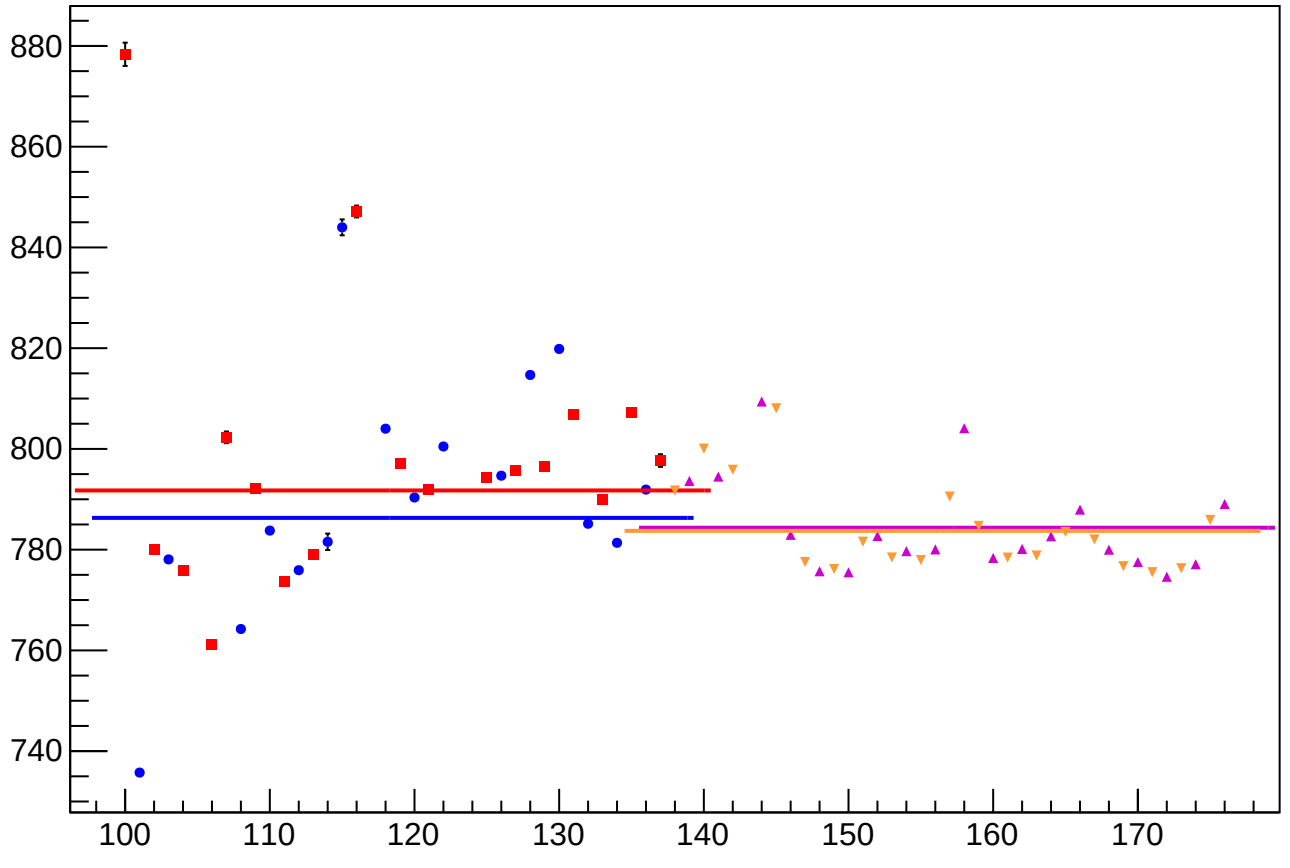
Left: 1937.180+/-141.748 χ^2/NDF: 37.9/37

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

In: 2131.802+/-164.463 χ^2/NDF:35.1/34

Out: 1905.563+/-166.073 χ^2/NDF:23.1/36

All: 2019.784+/-116.858 χ^2/NDF: 59.1/71



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

Left Out: 783.734+/-0.143 χ^2/NDF:3729.6/18

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

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

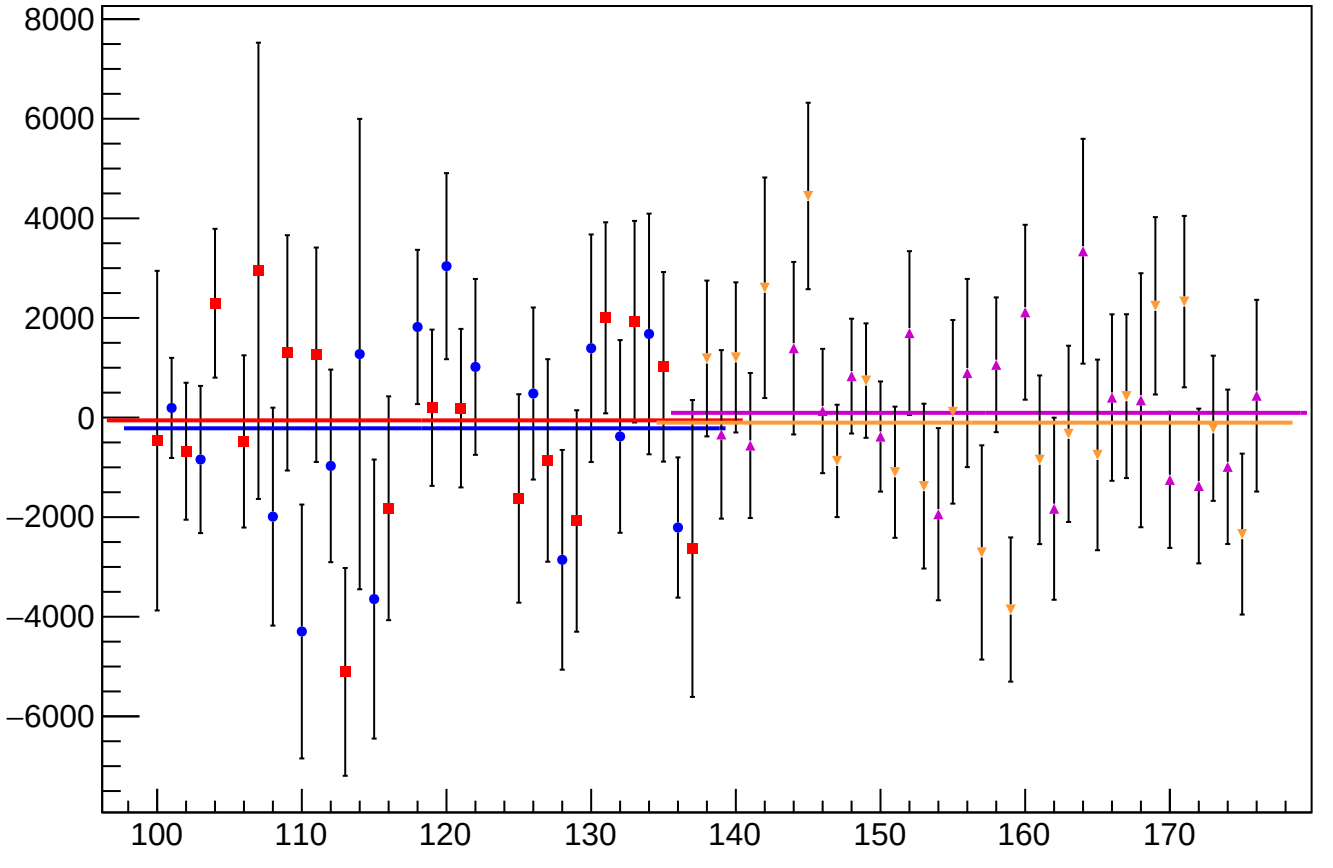
Left: 784.050+/-0.100 χ^2/NDF: 8426.0/37

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

In: 784.975+/-0.116 χ^2/NDF:17318.9/34

Out: 786.333+/-0.117 χ^2/NDF:11766.7/36

All: 785.647+/-0.083 χ^2/NDF: 29153.1/71



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

Left Out: -102.527+/-362.116 χ^2/NDF:25.3/18

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

Left In: 94.556+/-356.609 χ^2/NDF:11.4/18

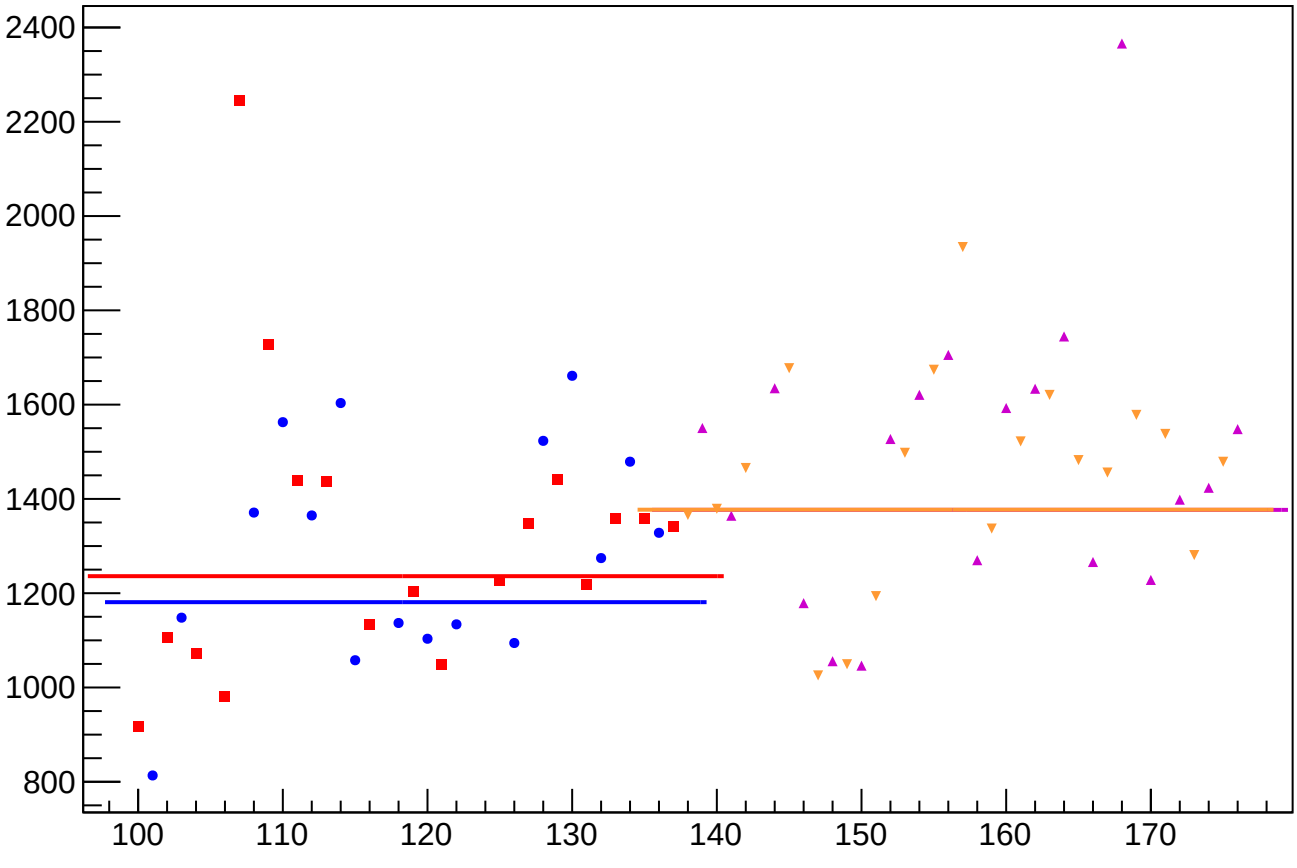
Left: -2.475+/-254.085 χ^2/NDF: 36.8/37

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

In: -25.463+/-279.378 χ^2/NDF:26.9/34

Out: -85.211+/-285.465 χ^2/NDF:40.4/36

All: -54.693+/-199.667 χ^2/NDF: 67.4/71



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

Left Out: 1377.127+/-0.256 χ^2/NDF:771142.0/18

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

Left In: 1376.750+/-0.252 χ^2/NDF:1053162.2/18

Left: 1376.936+/-0.180 χ^2/NDF: 1824305.3/37

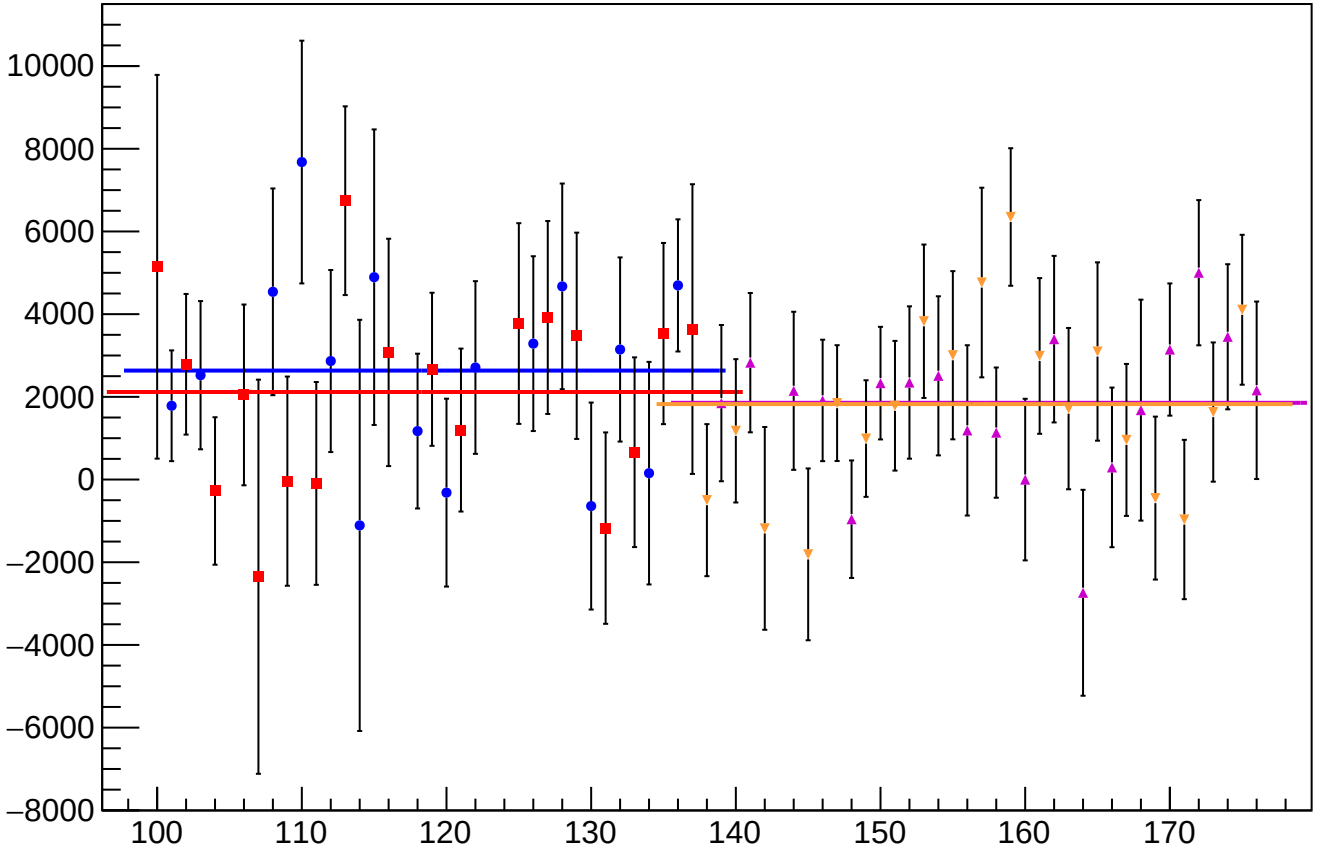
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1301.142+/-0.198 χ^2/NDF:1857039.0/34

Out: 1323.754+/-0.202 χ^2/NDF:1283161.3/36

All: 1312.204+/-0.141 χ^2/NDF: 3146609.8/71

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1824.739+/-416.317 χ^2/NDF:23.2/18

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

Left In: 1855.693+/-410.183 χ^2/NDF:15.2/18

Left: 1840.445+/-292.188 χ^2/NDF: 38.3/37

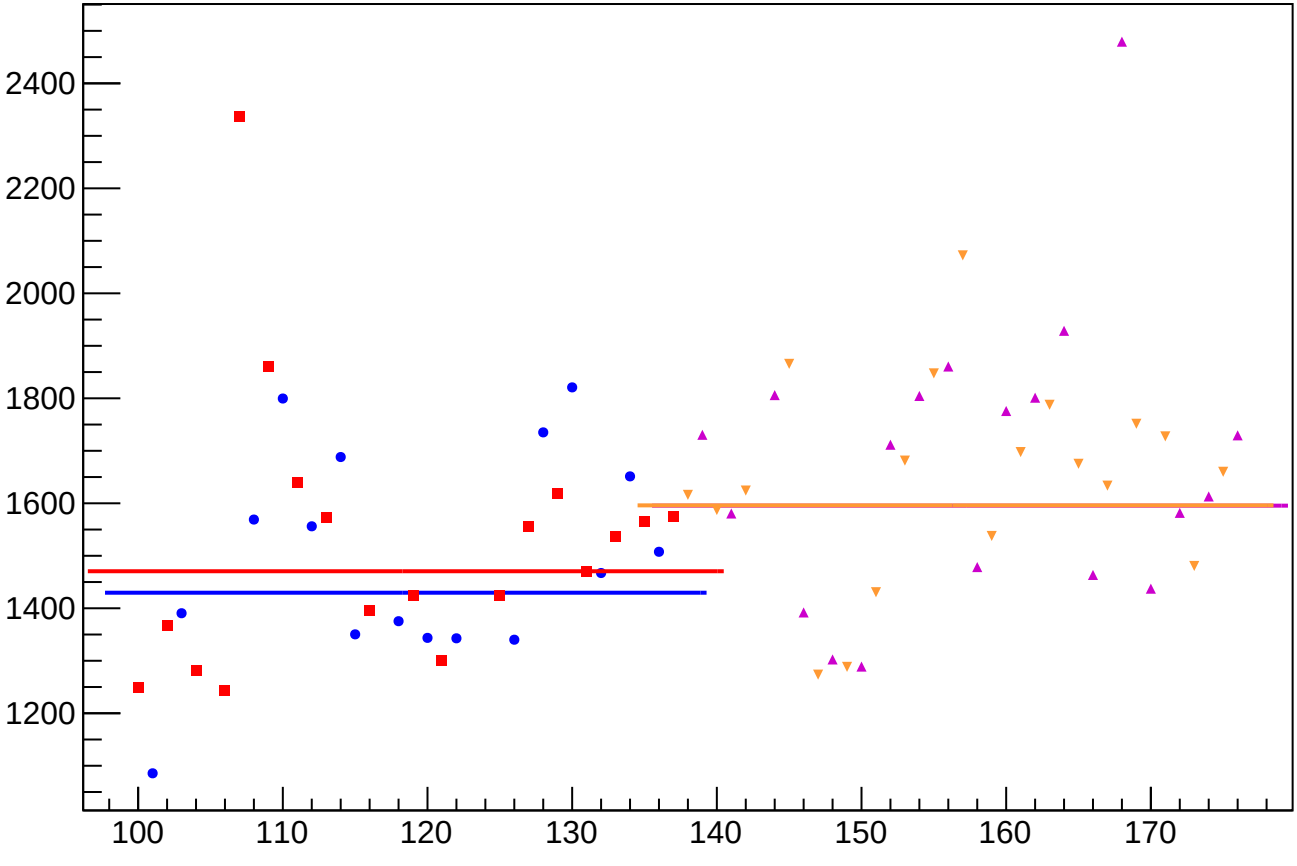
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2142.292+/-326.199 χ^2/NDF:28.8/34

Out: 1931.877+/-331.389 χ^2/NDF:37.1/36

All: 2038.745+/-232.471 χ^2/NDF: 66.0/71

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1596.056+/-0.294 χ^2/NDF:443511.1/18

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

Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

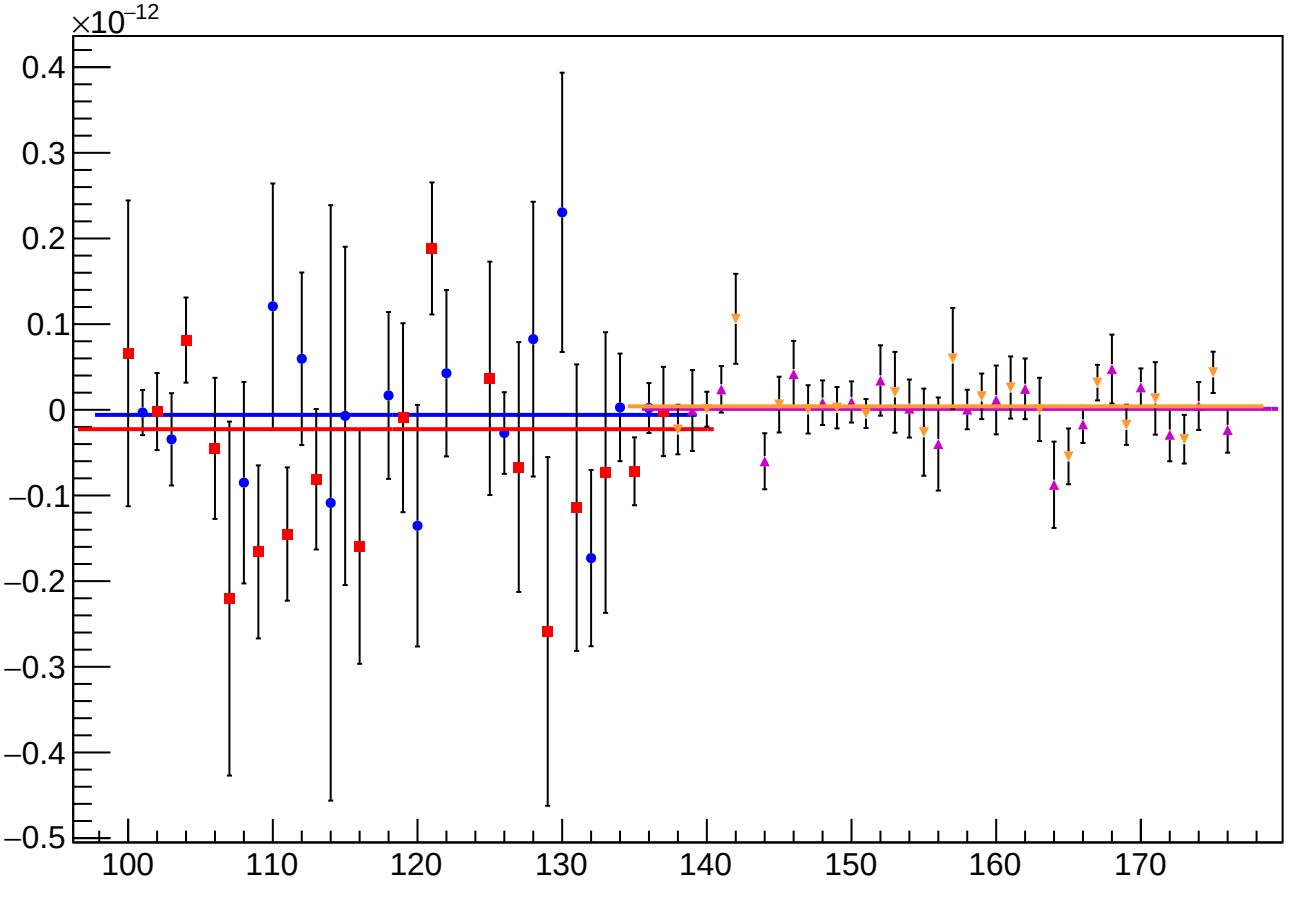
Left: 1595.775+/-0.207 χ^2/NDF: 1108216.3/37

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

In: 1534.541+/-0.231 χ^2/NDF:1078274.7/34

Out: 1550.078+/-0.234 χ^2/NDF:728158.0/36

All: 1542.187+/-0.164 χ^2/NDF: 1808665.8/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/18

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

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

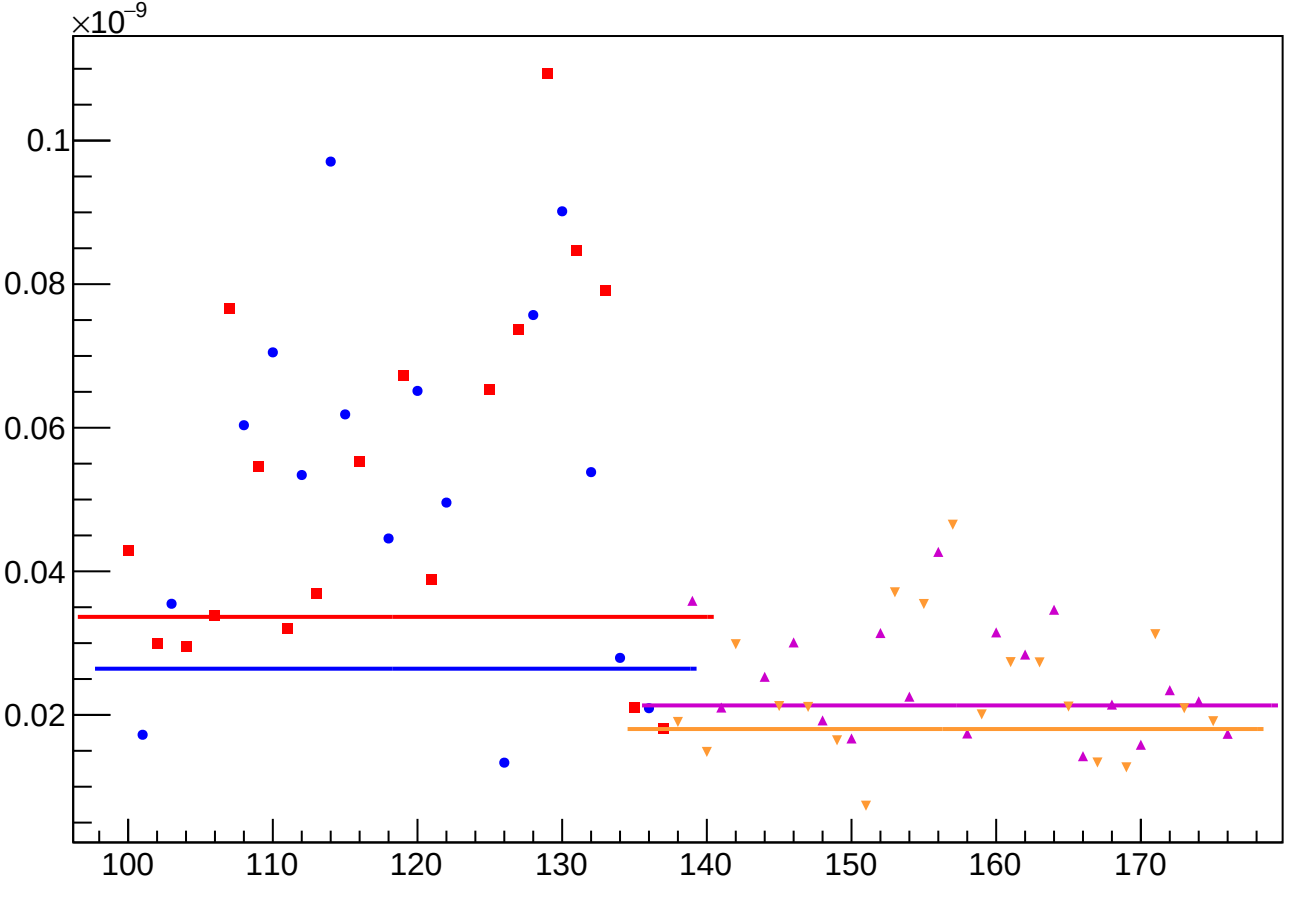
Left: 0.000+/-0.000 χ^2/NDF: 32.9/37

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

In: -0.000+/-0.000 χ^2/NDF:24.2/34

Out: 0.000+/-0.000 χ^2/NDF:42.3/36

All: 0.000+/-0.000 χ^2/NDF: 66.5/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:2742254.3/18

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

Left In: 0.000+/-0.000 χ^2/NDF:1638262.7/18

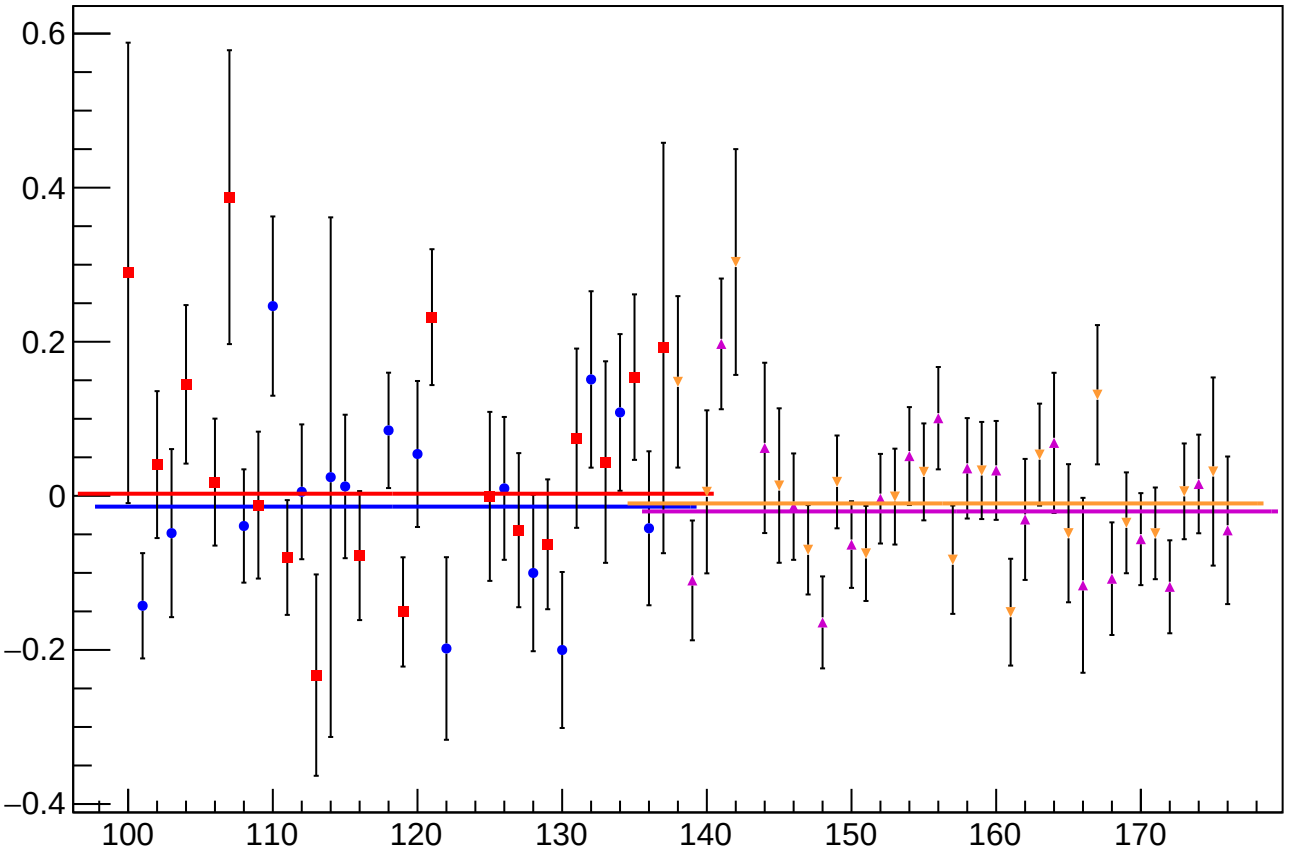
Left: 0.000+/-0.000 χ^2/NDF: 4620653.8/37

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

In: 0.000+/-0.000 χ^2/NDF:3964441.6/34

Out: 0.000+/-0.000 χ^2/NDF:5763961.2/36

All: 0.000+/-0.000 χ^2/NDF: 9881932.0/71



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

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

Left In: -0.020+/-0.016 χ^2/NDF:27.5/18

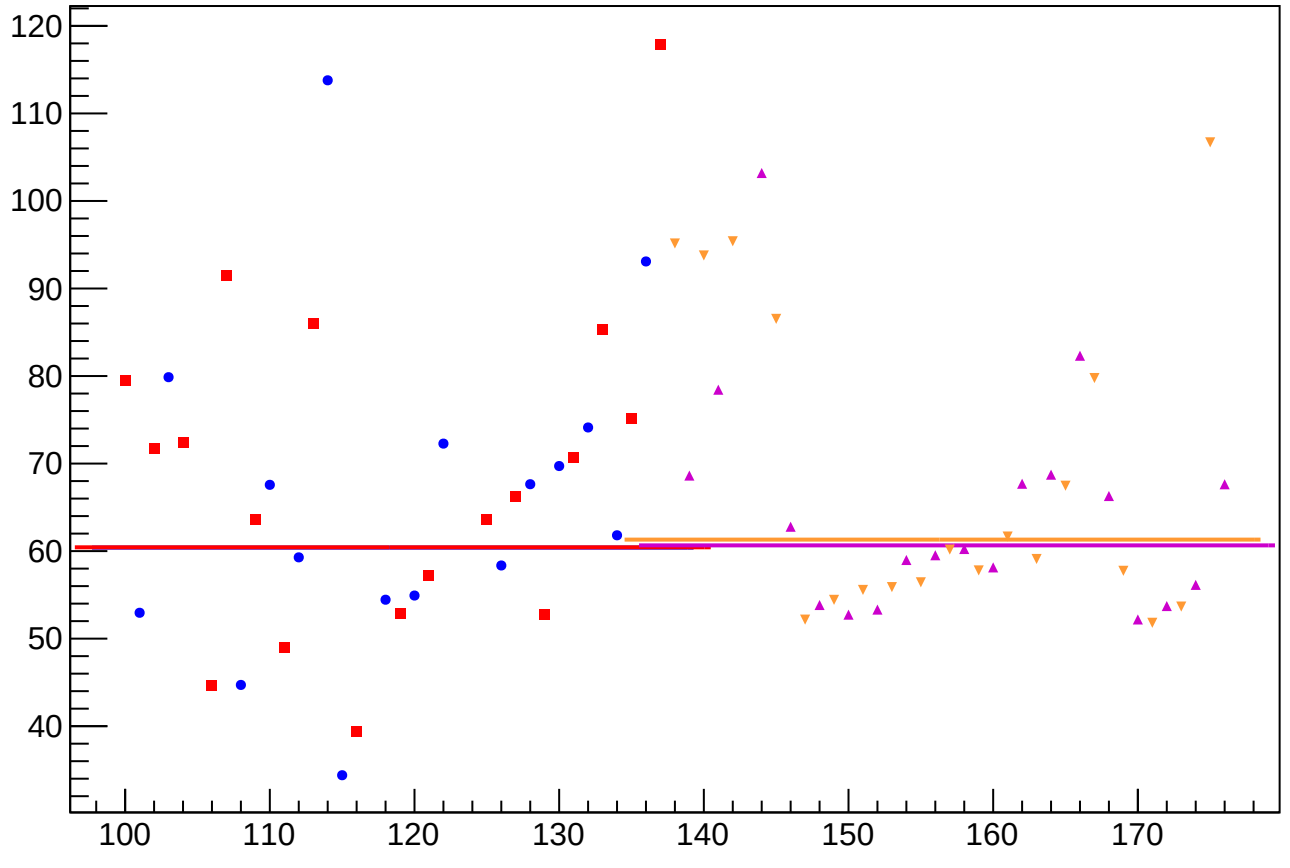
Left: -0.015+/-0.012 χ^2/NDF: 47.1/37

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.7/71



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193613.5/18

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

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

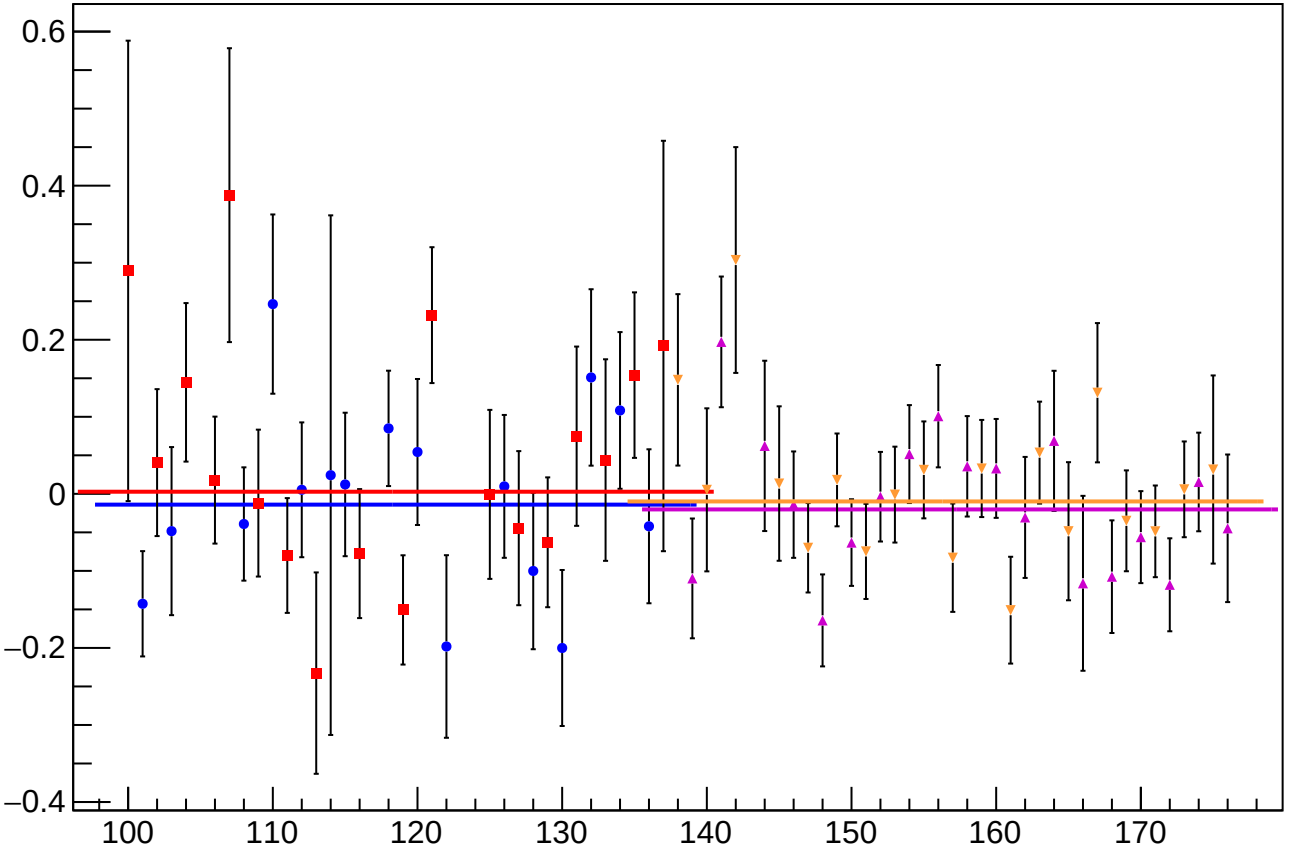
Left: 60.973+/-0.008 χ^2/NDF: 1908715.3/37

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

In: 60.575+/-0.009 χ^2/NDF:1416785.0/34

Out: 61.026+/-0.010 χ^2/NDF:1906543.7/36

All: 60.796+/-0.007 χ^2/NDF: 3324450.6/71



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

Left Out: -0.010+/-0.017 χ^2/NDF:19.5/18

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

Left In: -0.020+/-0.016 χ^2/NDF:27.5/18

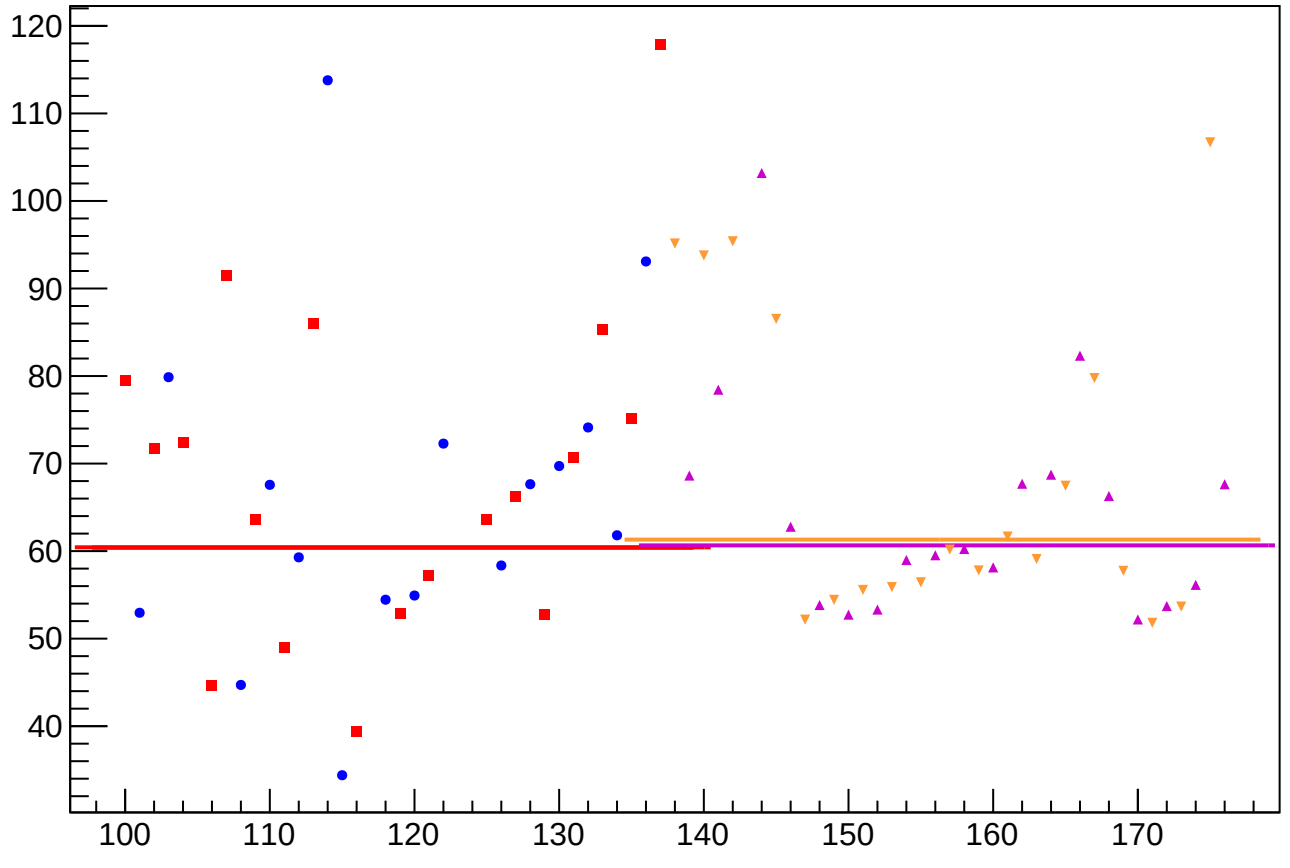
Left: -0.015+/-0.012 χ^2/NDF: 47.1/37

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.006+/-0.014 χ^2/NDF:47.4/36

All: -0.012+/-0.010 χ^2/NDF: 96.7/71



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193613.5/18

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

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

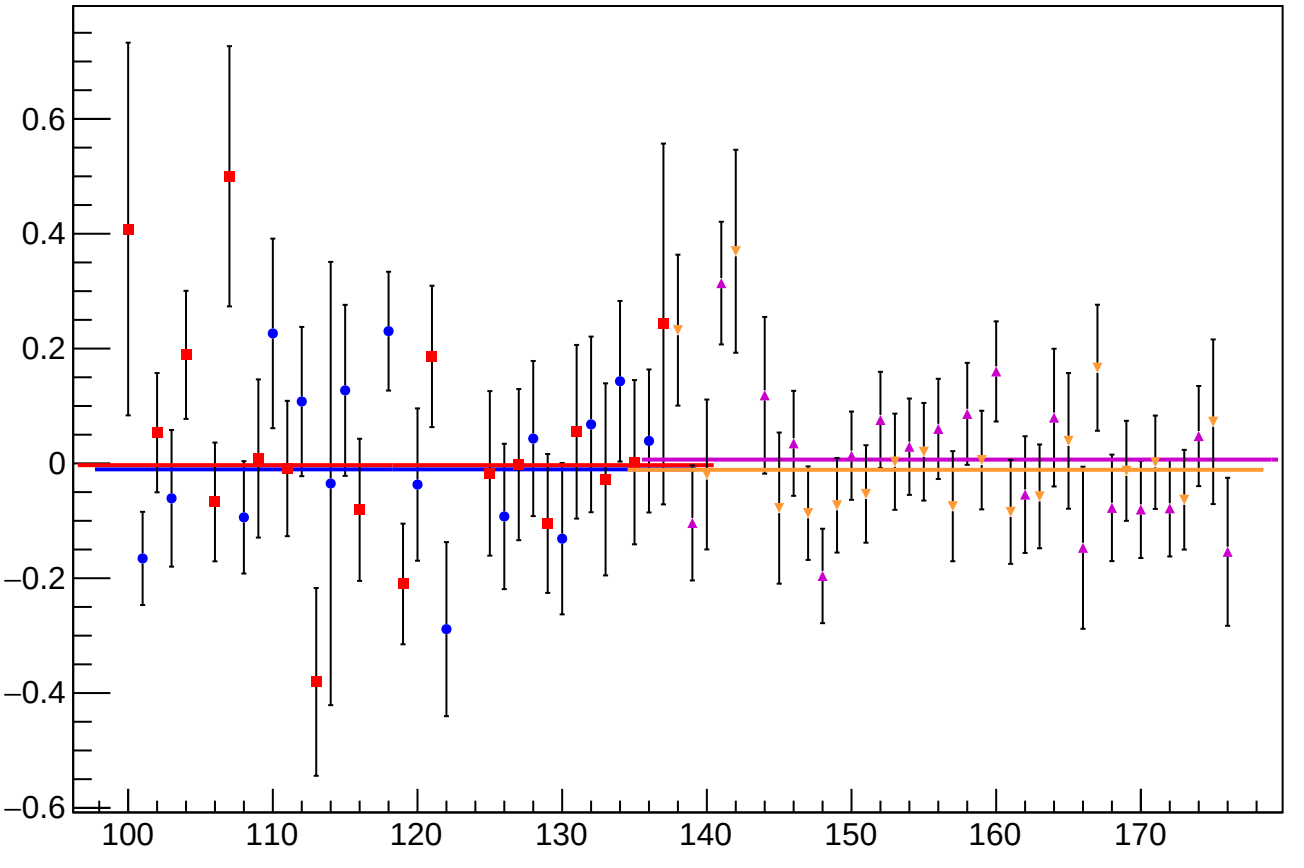
Left: 60.973+/-0.008 χ^2/NDF: 1908715.3/37

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

In: 60.575+/-0.009 χ^2/NDF:1416785.0/34

Out: 61.026+/-0.010 χ^2/NDF:1906543.7/36

All: 60.796+/-0.007 χ^2/NDF: 3324450.6/71



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

Left Out: -0.011+/-0.022 χ^2/NDF:15.1/18

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

Left In: 0.007+/-0.022 χ^2/NDF:28.0/18

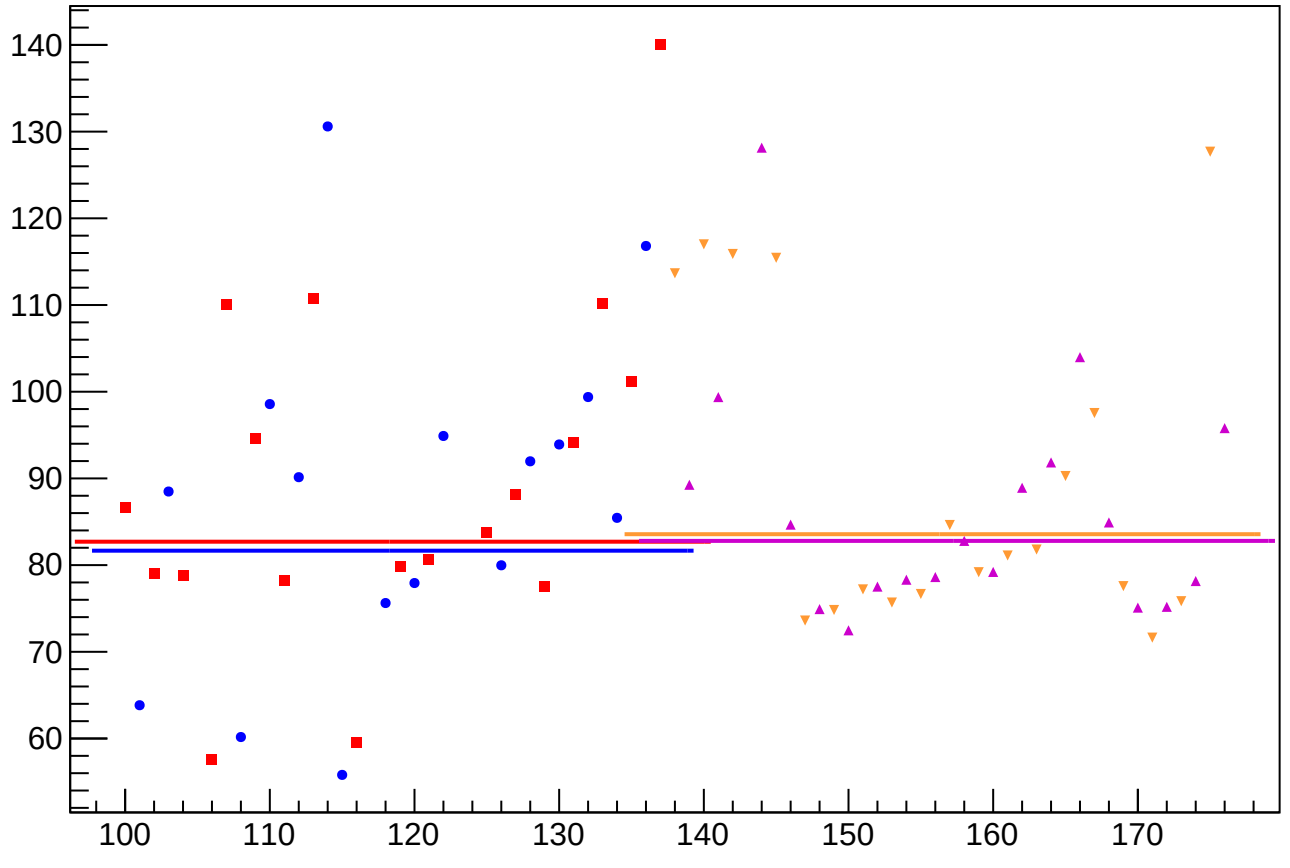
Left: -0.002+/-0.015 χ^2/NDF: 43.4/37

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

In: 0.001+/-0.018 χ^2/NDF:48.3/34

Out: -0.009+/-0.018 χ^2/NDF:38.8/36

All: -0.004+/-0.013 χ^2/NDF: 87.3/71



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

Left Out: 83.566+/-0.016 χ^2/NDF:819107.0/18

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

Left In: 82.793+/-0.015 χ^2/NDF:477989.7/18

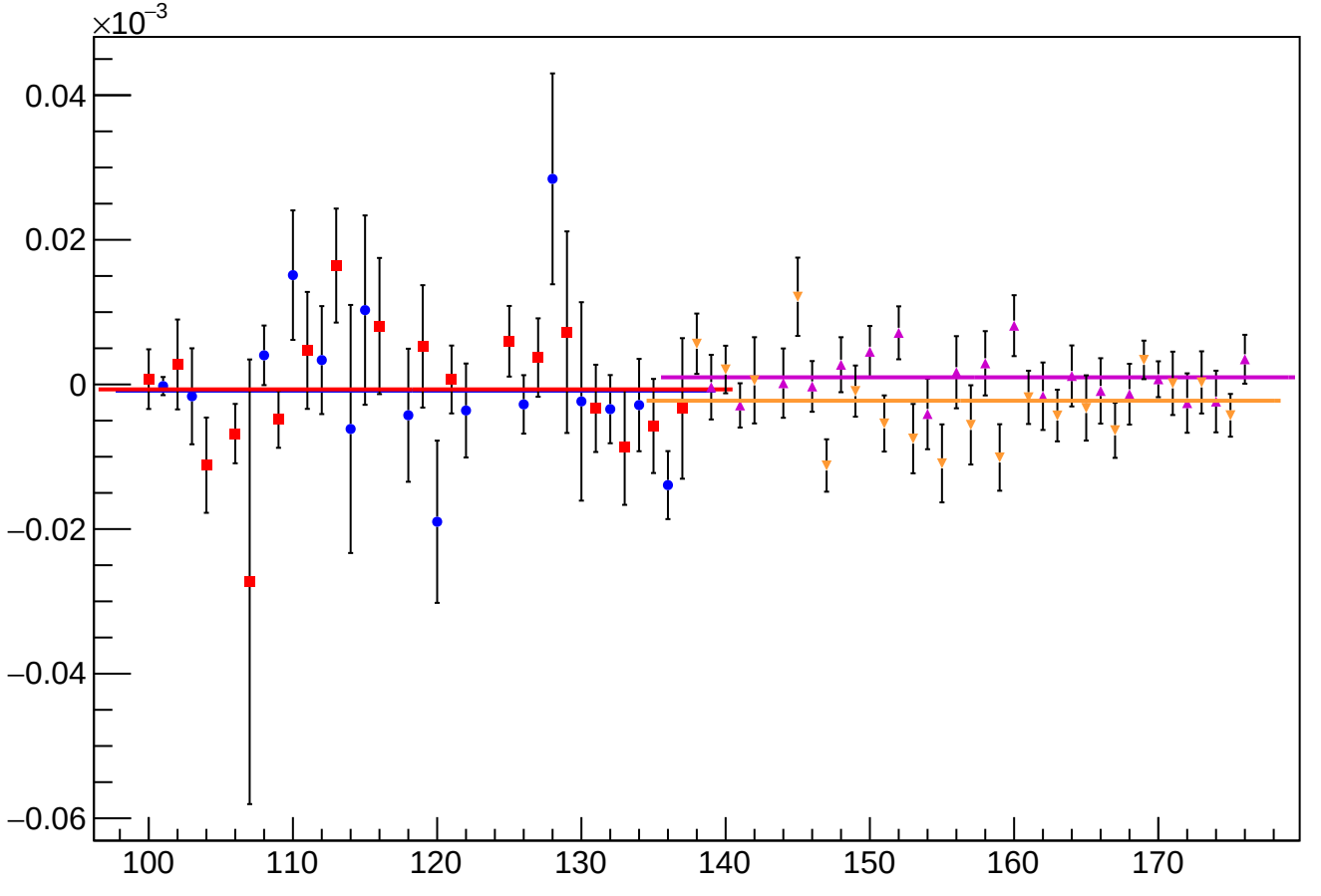
Left: 83.168+/-0.011 χ^2/NDF: 1298345.1/37

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

In: 82.435+/-0.013 χ^2/NDF:1041583.7/34

Out: 83.282+/-0.013 χ^2/NDF:1293169.4/36

All: 82.850+/-0.009 χ^2/NDF: 2336968.0/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:33.7/18

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

Left In: 0.000+/-0.000 χ^2/NDF:12.8/18

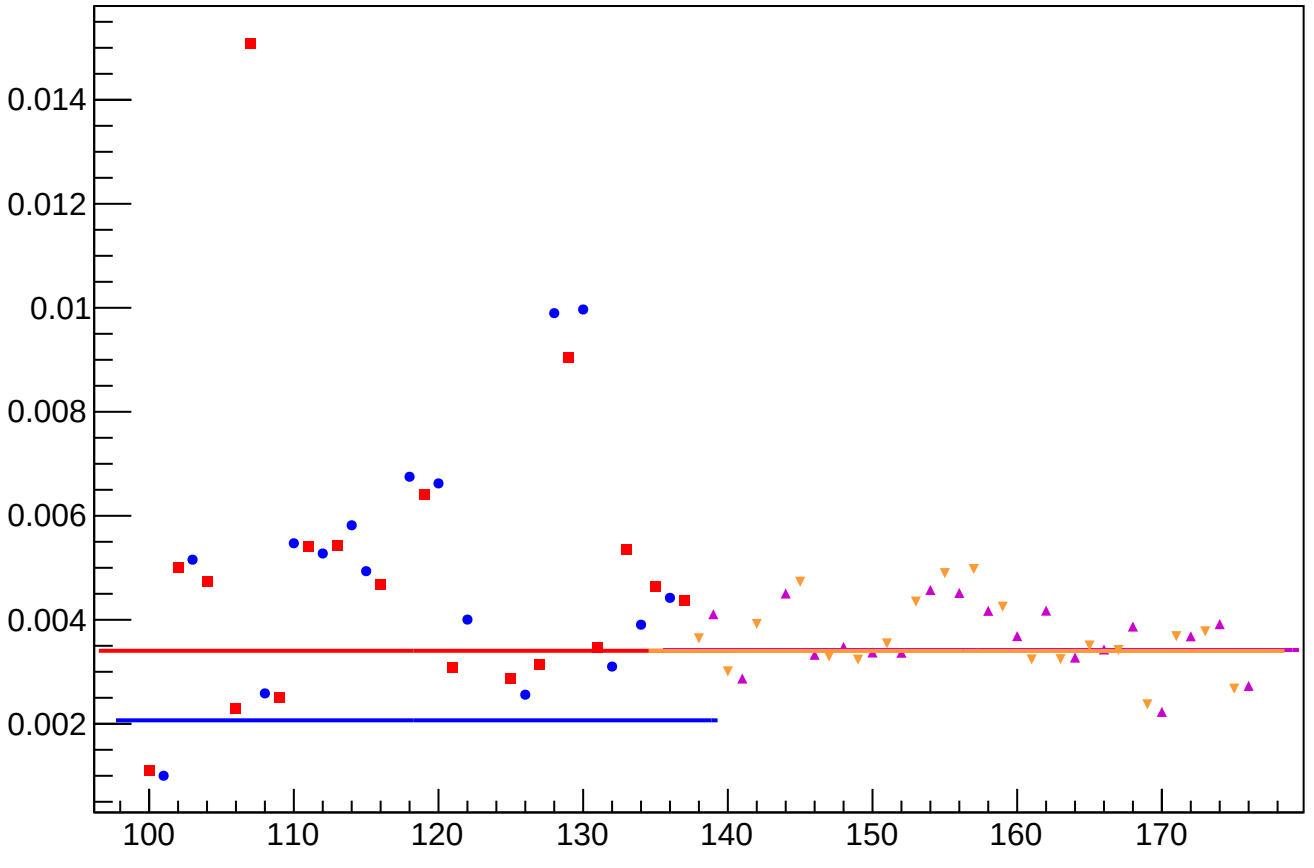
Left: -0.000+/-0.000 χ^2/NDF: 53.0/37

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

In: 0.000+/-0.000 χ^2/NDF:36.0/34

Out: -0.000+/-0.000 χ^2/NDF:52.9/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/71



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

Left Out: 0.003+/-0.000 χ^2/NDF:1096805.0/18

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

Left In: 0.003+/-0.000 χ^2/NDF:1149015.9/18

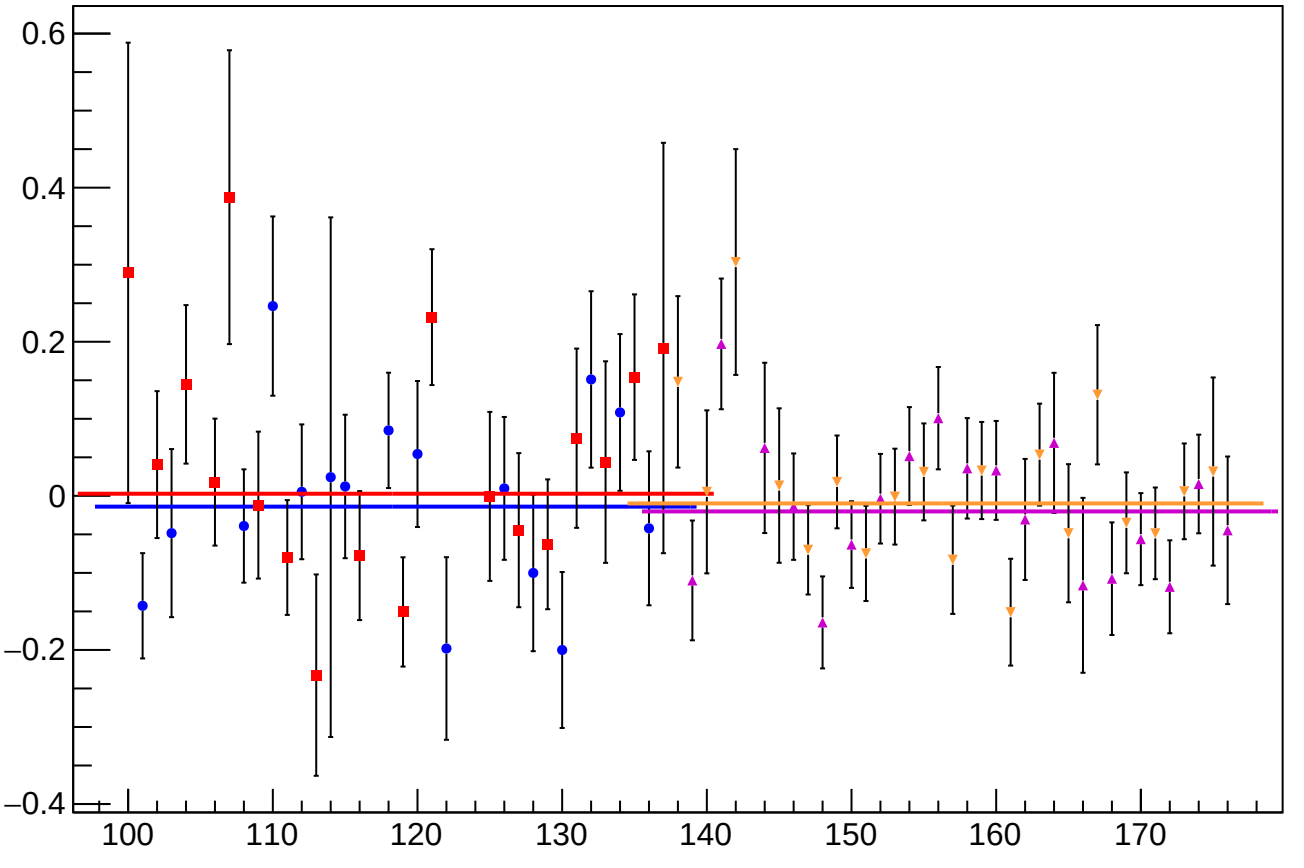
Left: 0.003+/-0.000 χ^2/NDF: 2246241.2/37

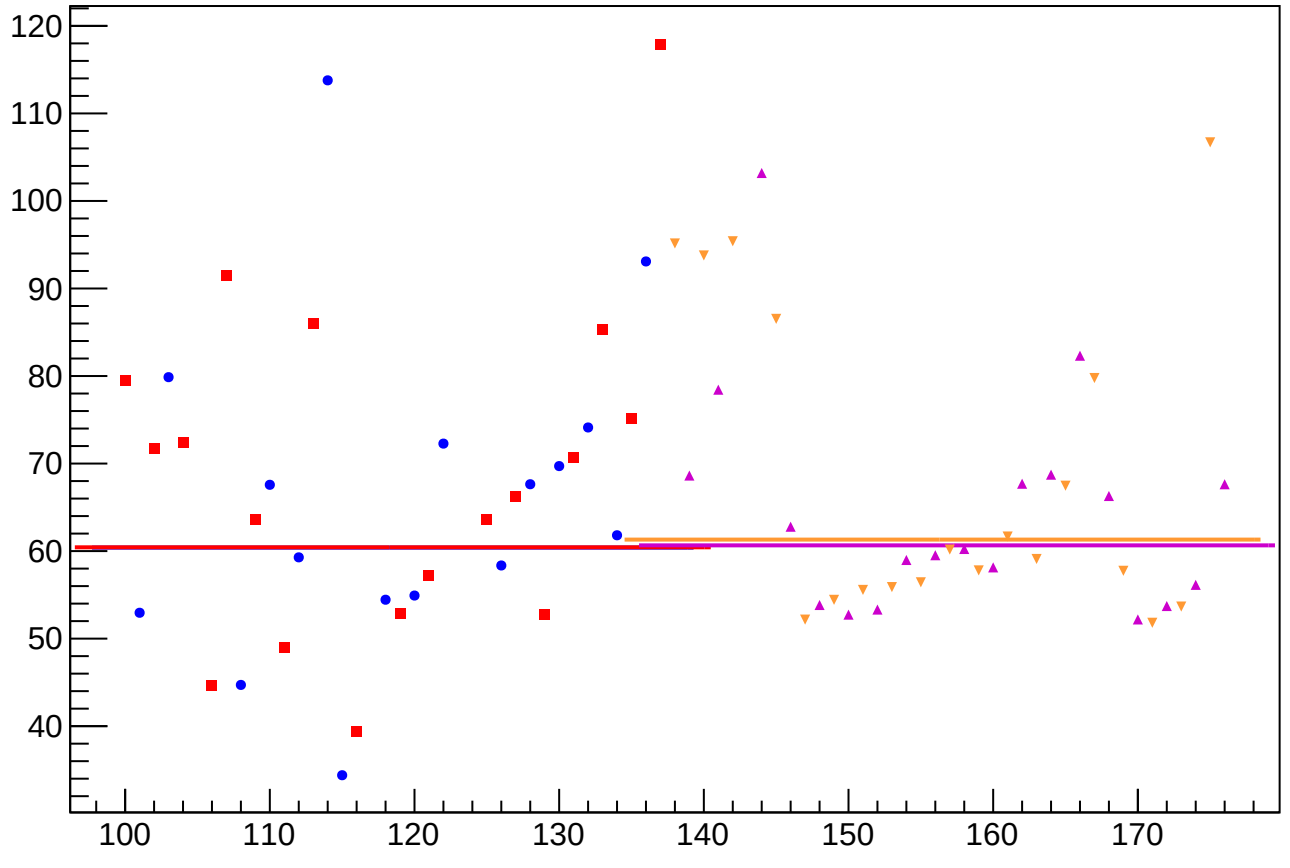
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8987172.6/34

Out: 0.003+/-0.000 χ^2/NDF:3588117.9/36

All: 0.003+/-0.000 χ^2/NDF: 13217291.3/71


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.010+/-0.017 χ²/NDF:19.5/18
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.020+/-0.016 χ²/NDF:27.5/18
Left: -0.015+/-0.012 χ²/NDF: 47.1/37
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.018+/-0.013 χ²/NDF:48.9/34
Out: -0.006+/-0.014 χ²/NDF:47.4/36
All: -0.012+/-0.010 χ²/NDF: 96.7/71



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

Left Out: 61.313+/-0.012 χ^2/NDF:1193602.9/18

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

Left In: 60.655+/-0.011 χ^2/NDF:713457.6/18

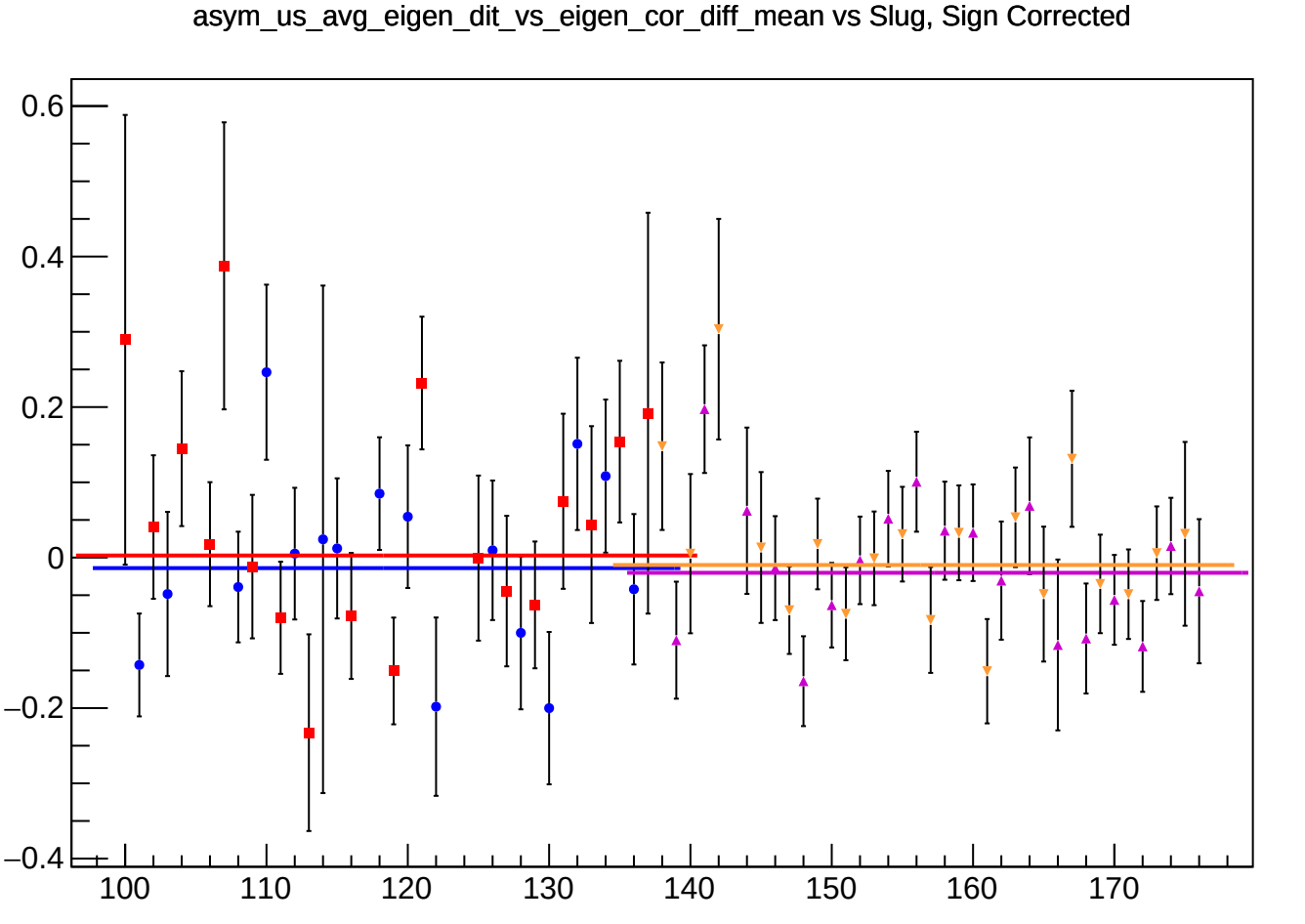
Left: 60.973+/-0.008 χ^2/NDF: 1908692.3/37

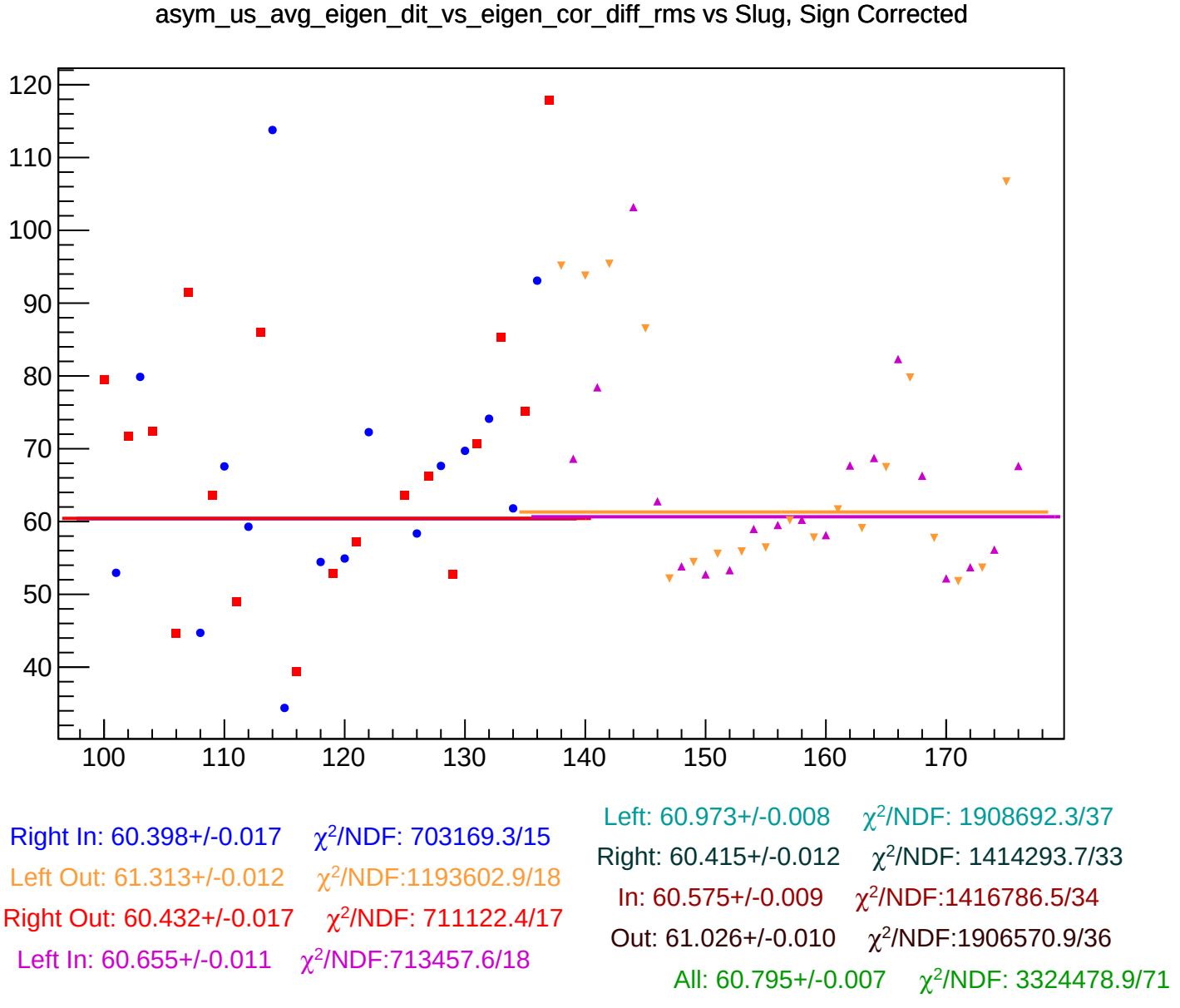
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.575+/-0.009 χ^2/NDF:1416786.5/34

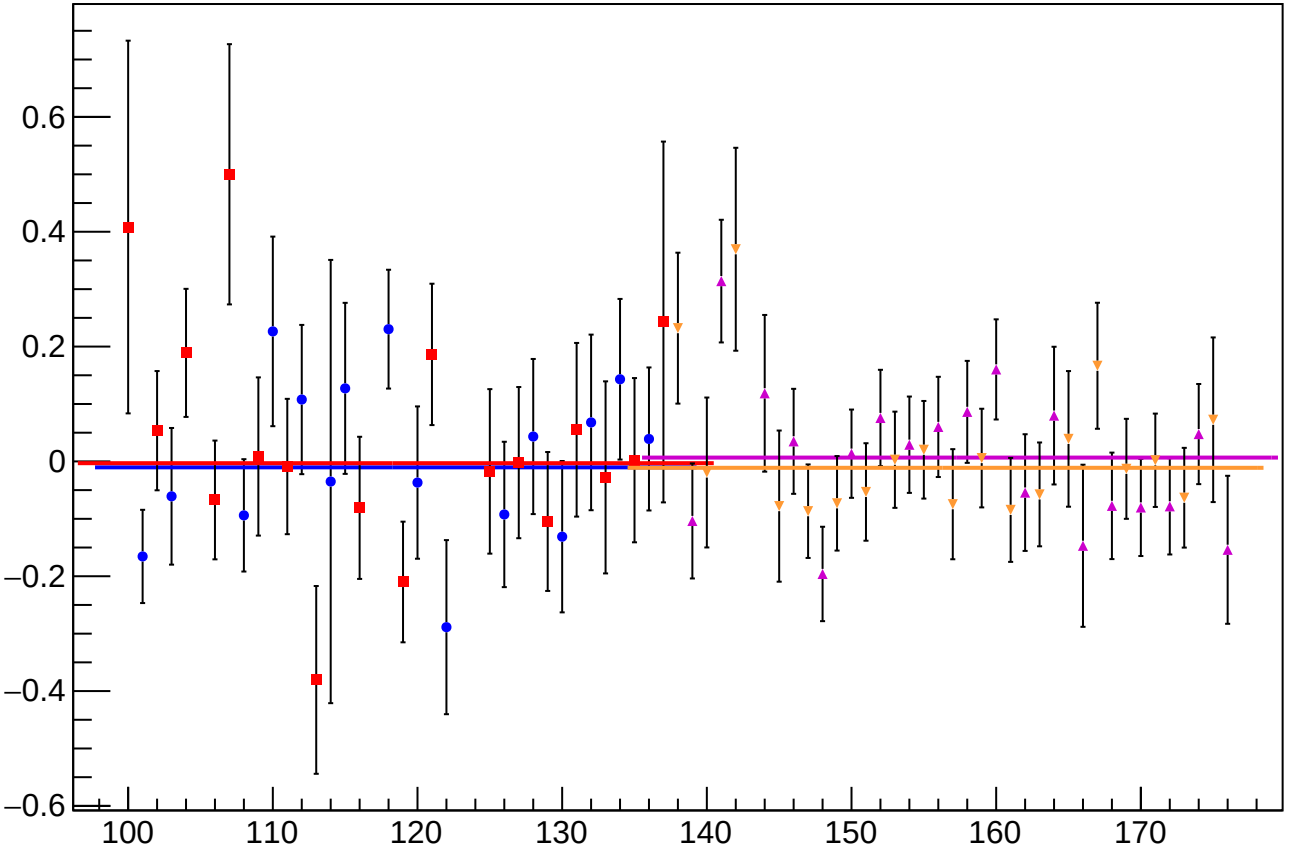
Out: 61.026+/-0.010 χ^2/NDF:1906570.9/36

All: 60.795+/-0.007 χ^2/NDF: 3324478.9/71


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.010+/-0.017 χ²/NDF:19.5/18
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.020+/-0.016 χ²/NDF:27.5/18
Left: -0.015+/-0.012 χ²/NDF: 47.1/37
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.018+/-0.013 χ²/NDF:48.9/34
Out: -0.006+/-0.014 χ²/NDF:47.4/36
All: -0.012+/-0.010 χ²/NDF: 96.7/71


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 61.313+/-0.012 χ²/NDF:1193602.9/18
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 60.655+/-0.011 χ²/NDF:713457.6/18
Left: 60.973+/-0.008 χ²/NDF: 1908692.3/37
Right: 60.415+/-0.012 χ²/NDF: 1414293.7/33
In: 60.575+/-0.009 χ²/NDF:1416786.5/34
Out: 61.026+/-0.010 χ²/NDF:1906570.9/36
All: 60.795+/-0.007 χ²/NDF: 3324478.9/71

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: -0.011+/-0.022 χ^2/NDF:15.1/18

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

Left In: 0.007+/-0.022 χ^2/NDF:28.0/18

Left: -0.002+/-0.015 χ^2/NDF: 43.4/37

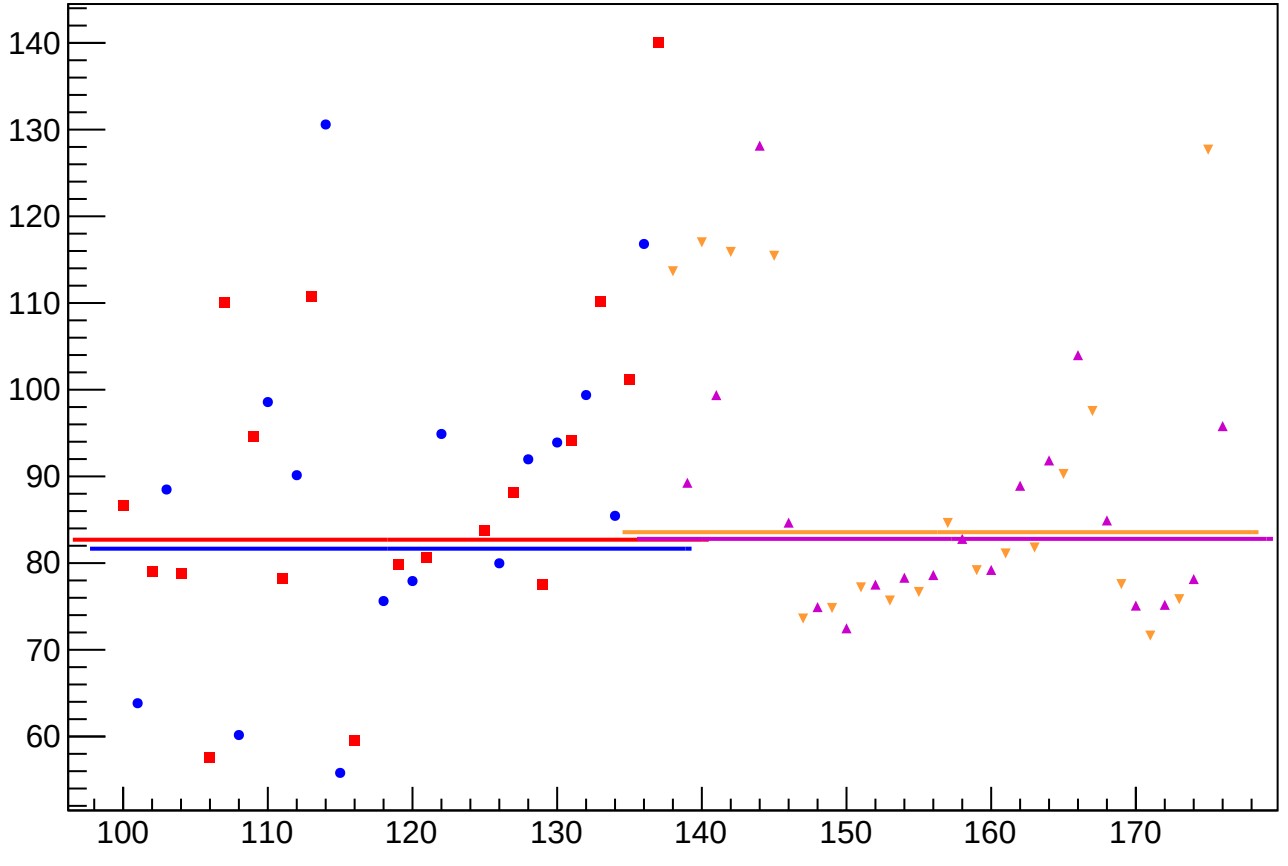
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.001+/-0.018 χ^2/NDF:48.3/34

Out: -0.009+/-0.018 χ^2/NDF:38.8/36

All: -0.004+/-0.013 χ^2/NDF: 87.3/71

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 83.566+/-0.016 χ^2/NDF:819101.2/18

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

Left In: 82.794+/-0.015 χ^2/NDF:477985.1/18

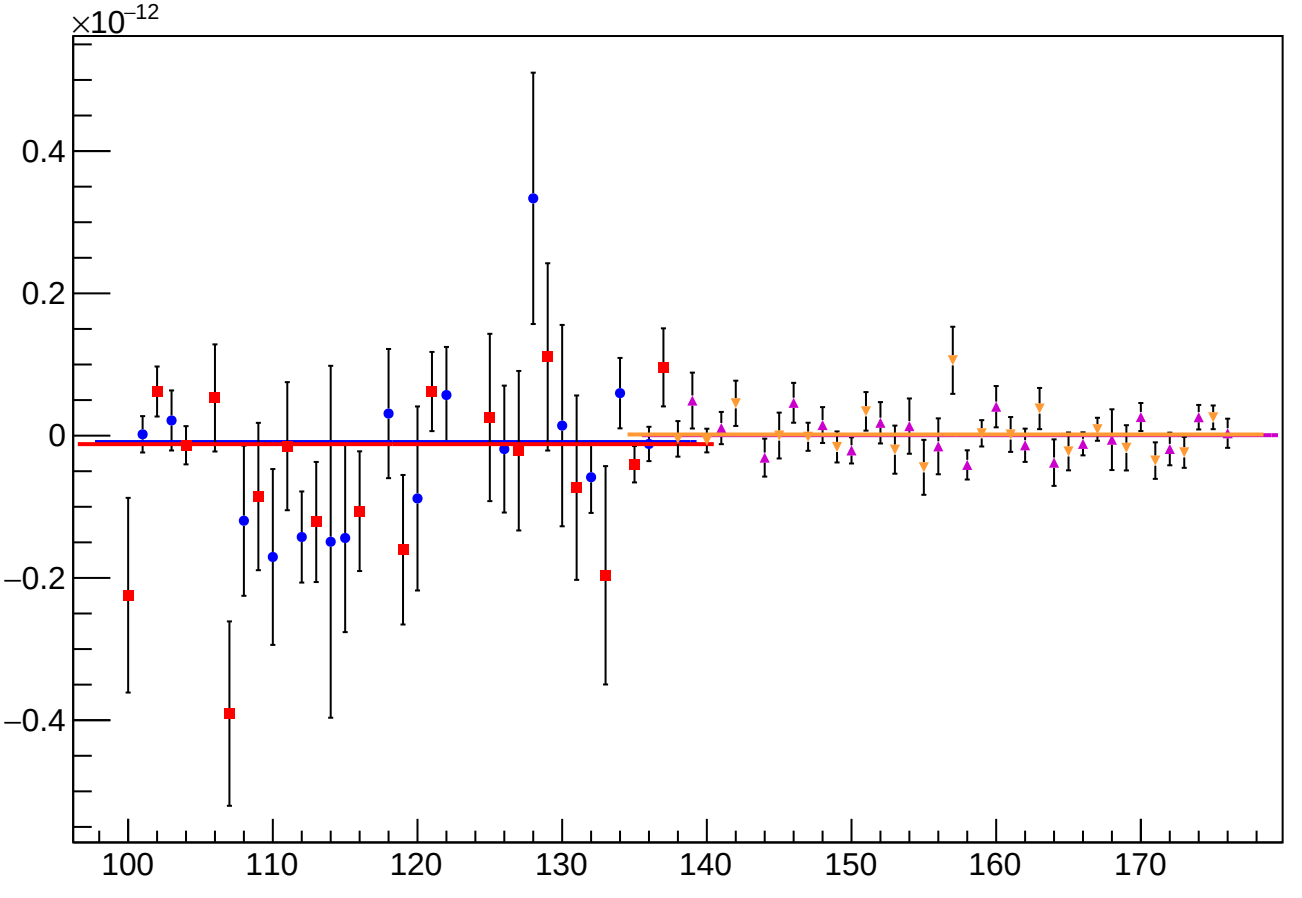
Left: 83.168+/-0.011 χ^2/NDF: 1298335.0/37

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

In: 82.435+/-0.013 χ^2/NDF:1041570.1/34

Out: 83.282+/-0.013 χ^2/NDF:1293163.4/36

All: 82.849+/-0.009 χ^2/NDF: 2336948.2/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/18

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

Left In: 0.000+/-0.000 χ^2/NDF:21.0/18

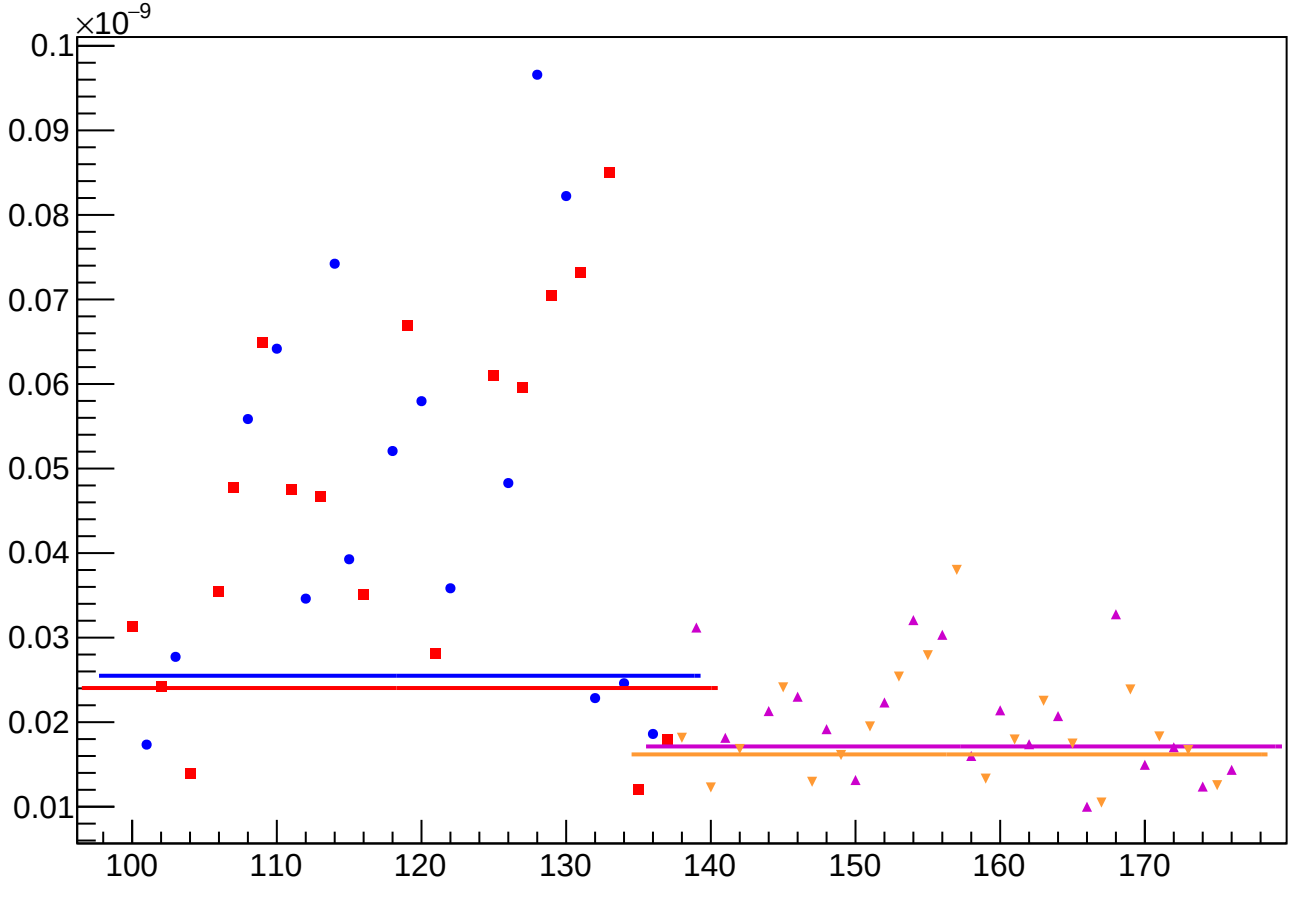
Left: 0.000+/-0.000 χ^2/NDF: 40.5/37

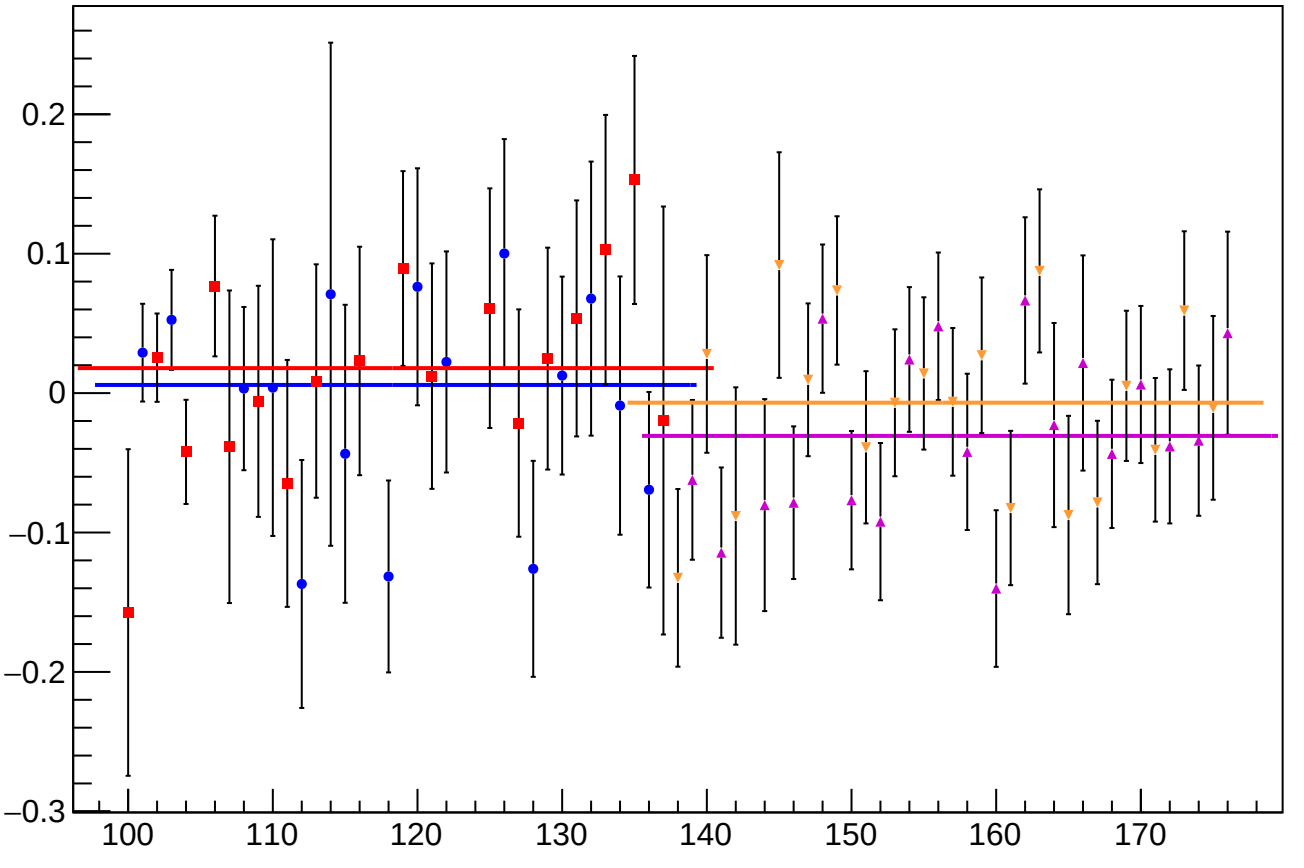
Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: -0.000+/-0.000 χ^2/NDF:38.9/34

Out: -0.000+/-0.000 χ^2/NDF:51.4/36

All: -0.000+/-0.000 χ^2/NDF: 90.3/71


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1723919.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:2031387.4/18
Left: 0.000+/-0.000 χ²/NDF: 3785239.6/37
Right: 0.000+/-0.000 χ²/NDF: 5096304.5/33
In: 0.000+/-0.000 χ²/NDF:4711441.5/34
Out: 0.000+/-0.000 χ²/NDF:5399824.4/36
All: 0.000+/-0.000 χ²/NDF: 10156638.3/71



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

Left Out: -0.007+/-0.014 χ^2/NDF:18.7/18

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

Left In: -0.031+/-0.013 χ^2/NDF:19.8/18

Left: -0.019+/-0.009 χ^2/NDF: 40.1/37

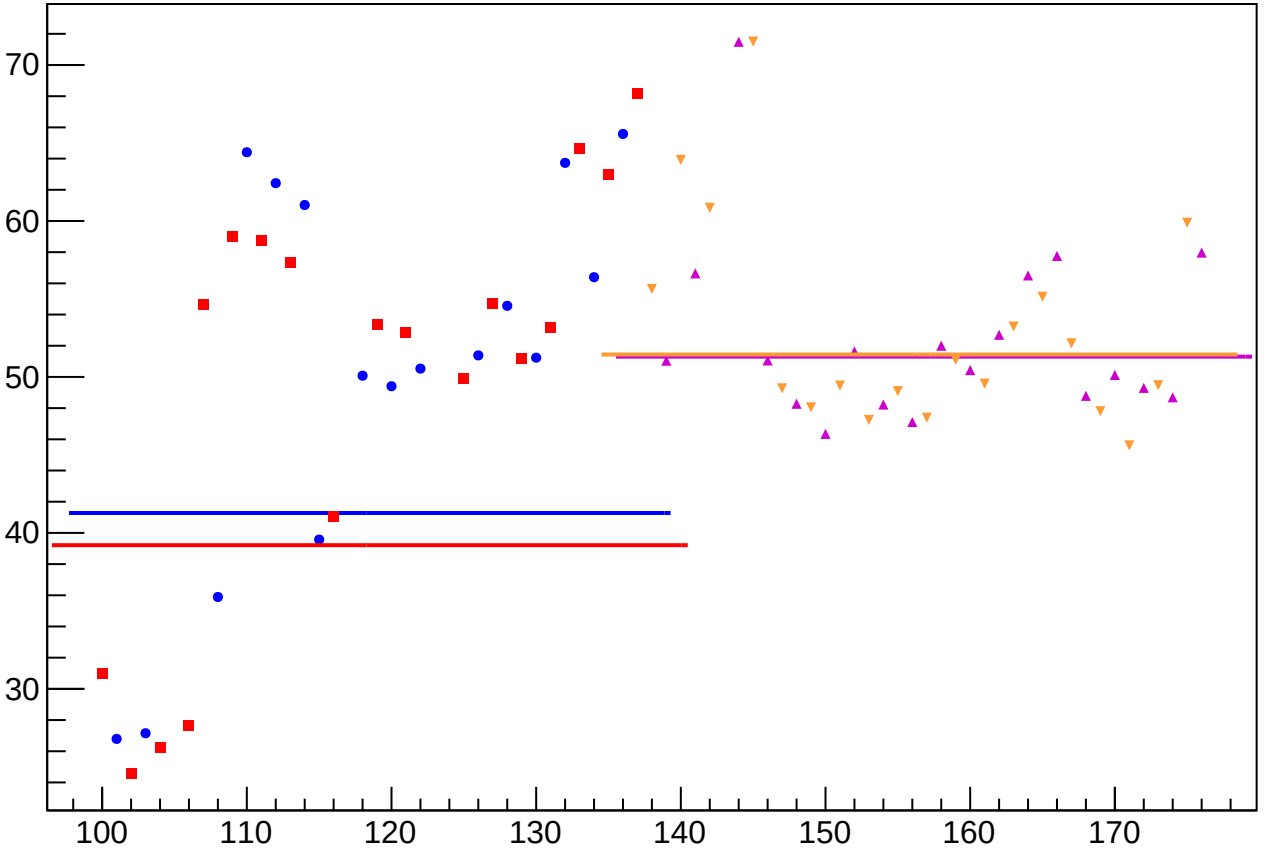
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.010 χ^2/NDF:38.3/34

Out: 0.004+/-0.010 χ^2/NDF:32.5/36

All: -0.006+/-0.007 χ^2/NDF: 72.7/71

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 51.437+/-0.010 χ^2/NDF:336321.7/18

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

Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

Left: 51.368+/-0.007 χ^2/NDF: 594225.3/37

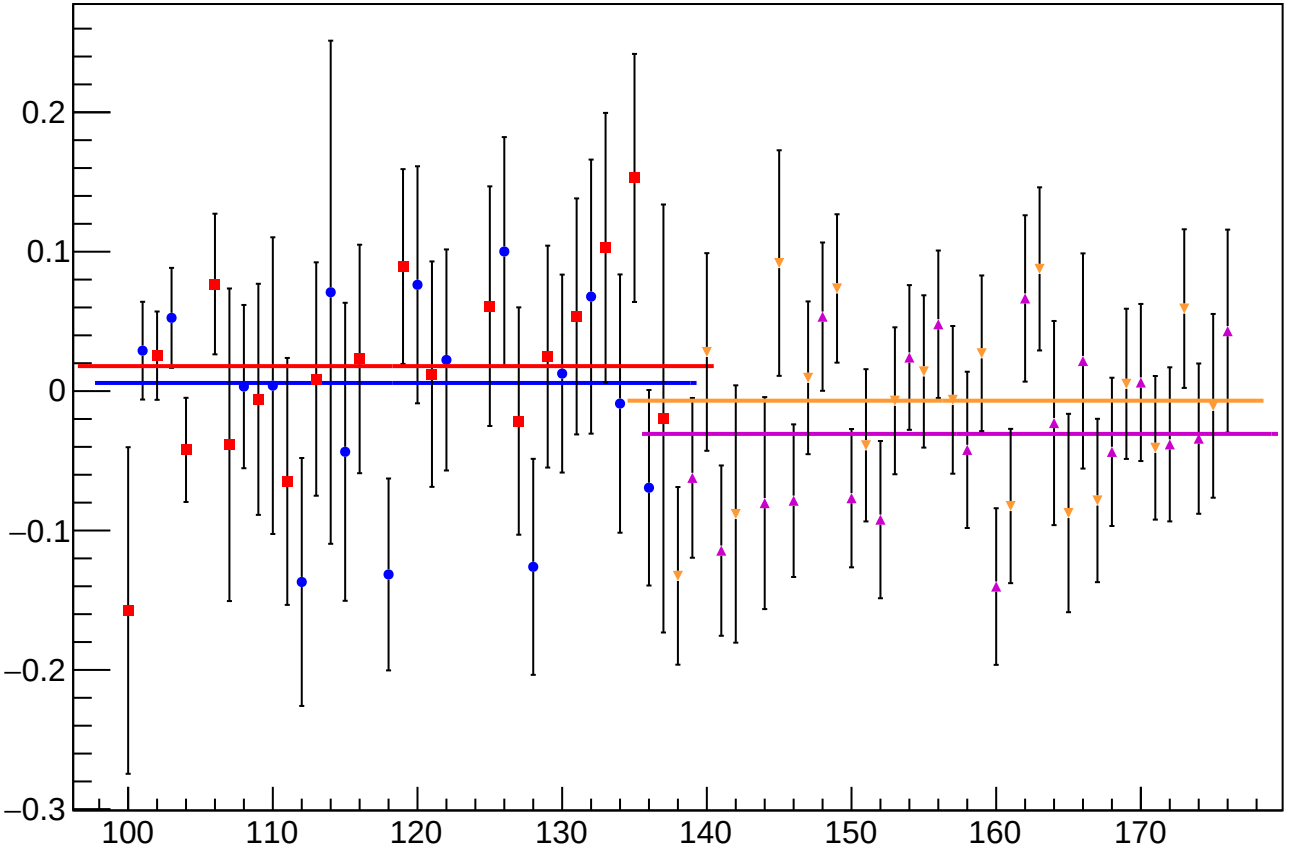
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.373+/-0.007 χ^2/NDF:2210606.0/34

Out: 46.248+/-0.007 χ^2/NDF:2851192.4/36

All: 46.805+/-0.005 χ^2/NDF: 5073721.5/71

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: -0.007+/-0.014 χ^2/NDF:18.7/18

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

Left In: -0.031+/-0.013 χ^2/NDF:19.8/18

Left: -0.019+/-0.009 χ^2/NDF: 40.1/37

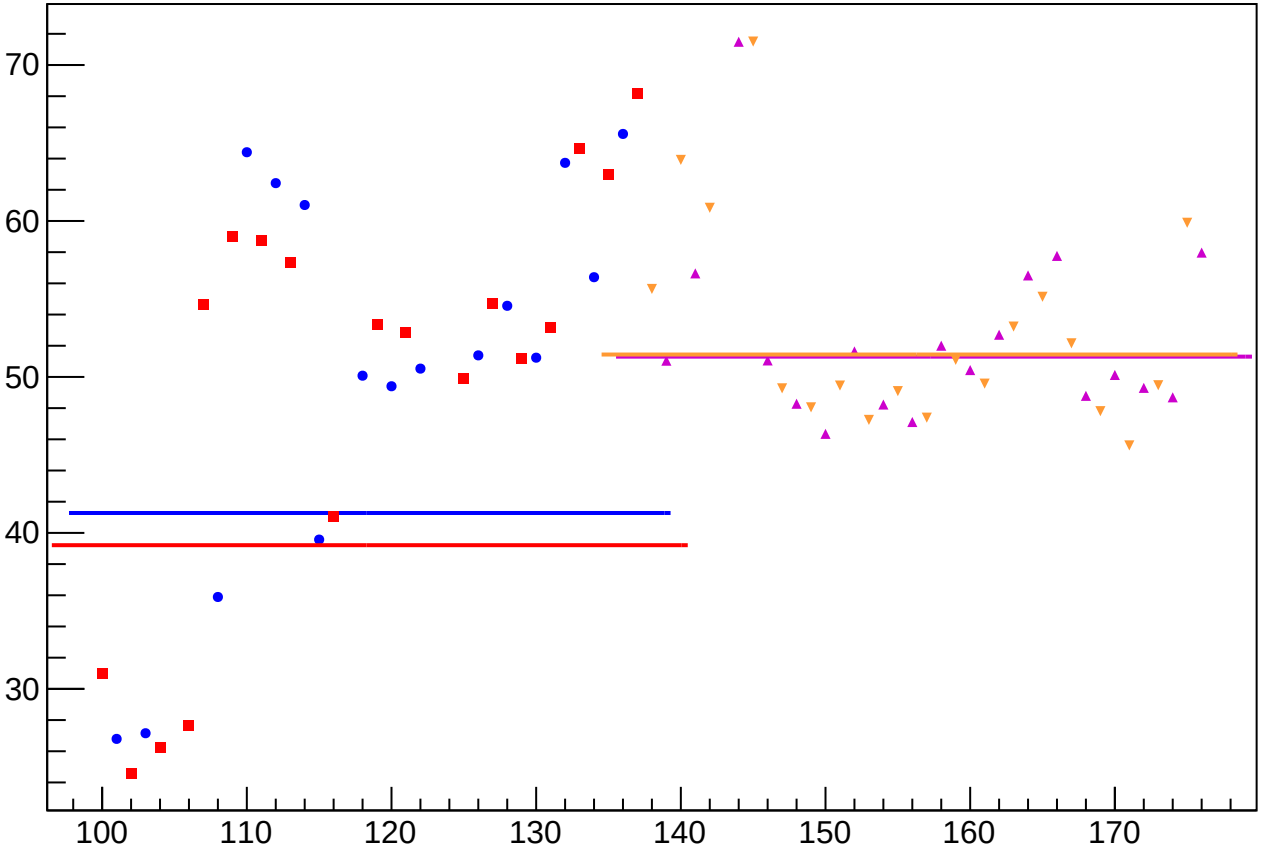
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.010 χ^2/NDF:38.3/34

Out: 0.004+/-0.010 χ^2/NDF:32.5/36

All: -0.006+/-0.007 χ^2/NDF: 72.7/71

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 51.437+/-0.010 χ^2/NDF:336321.7/18

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

Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

Left: 51.368+/-0.007 χ^2/NDF: 594225.3/37

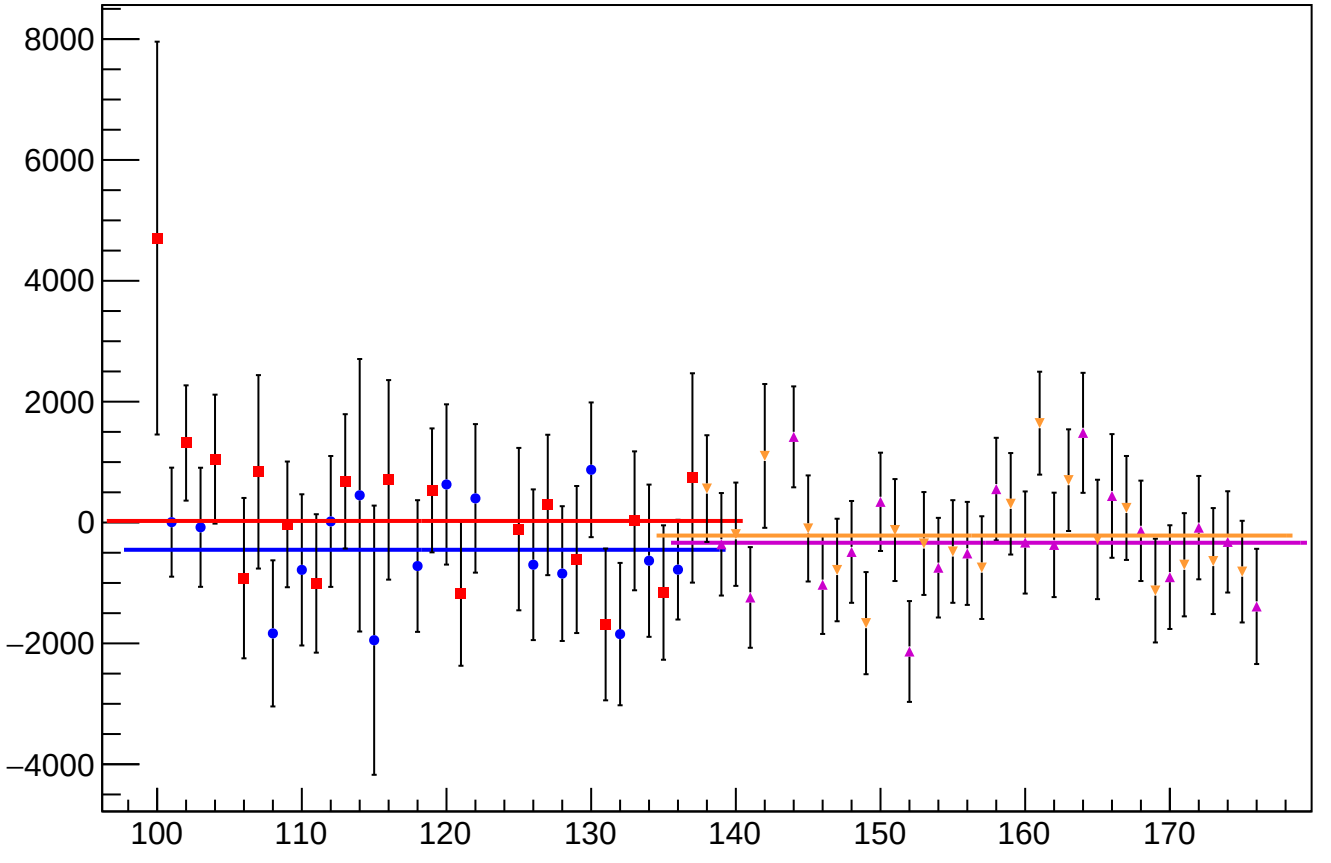
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.373+/-0.007 χ^2/NDF:2210606.0/34

Out: 46.248+/-0.007 χ^2/NDF:2851192.4/36

All: 46.805+/-0.005 χ^2/NDF: 5073721.5/71

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

Left In: -334.785+/-196.993 χ^2/NDF:18.8/18

Left: -275.993+/-140.305 χ^2/NDF: 33.7/37

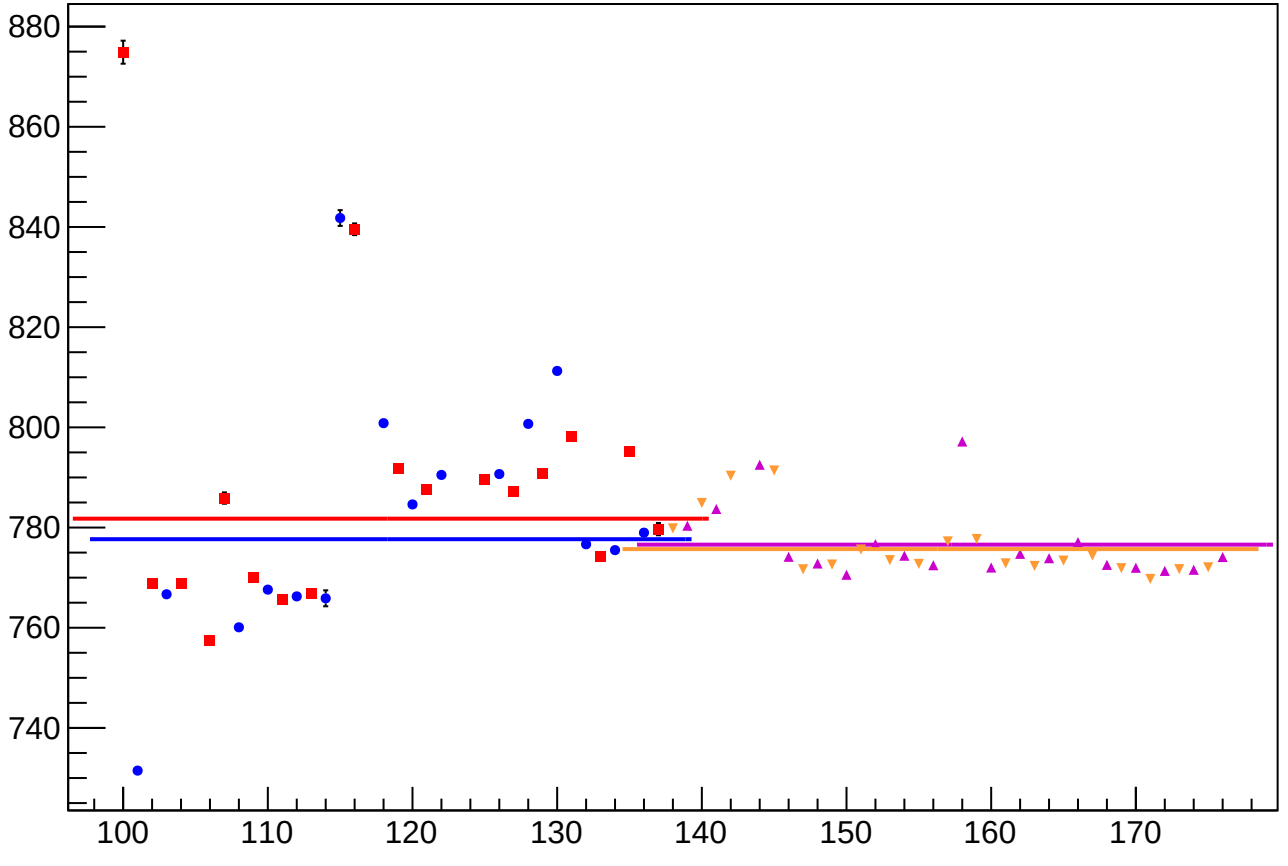
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -371.646+/-162.766 χ^2/NDF:25.9/34

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -255.350+/-115.605 χ^2/NDF: 53.8/71

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

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

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

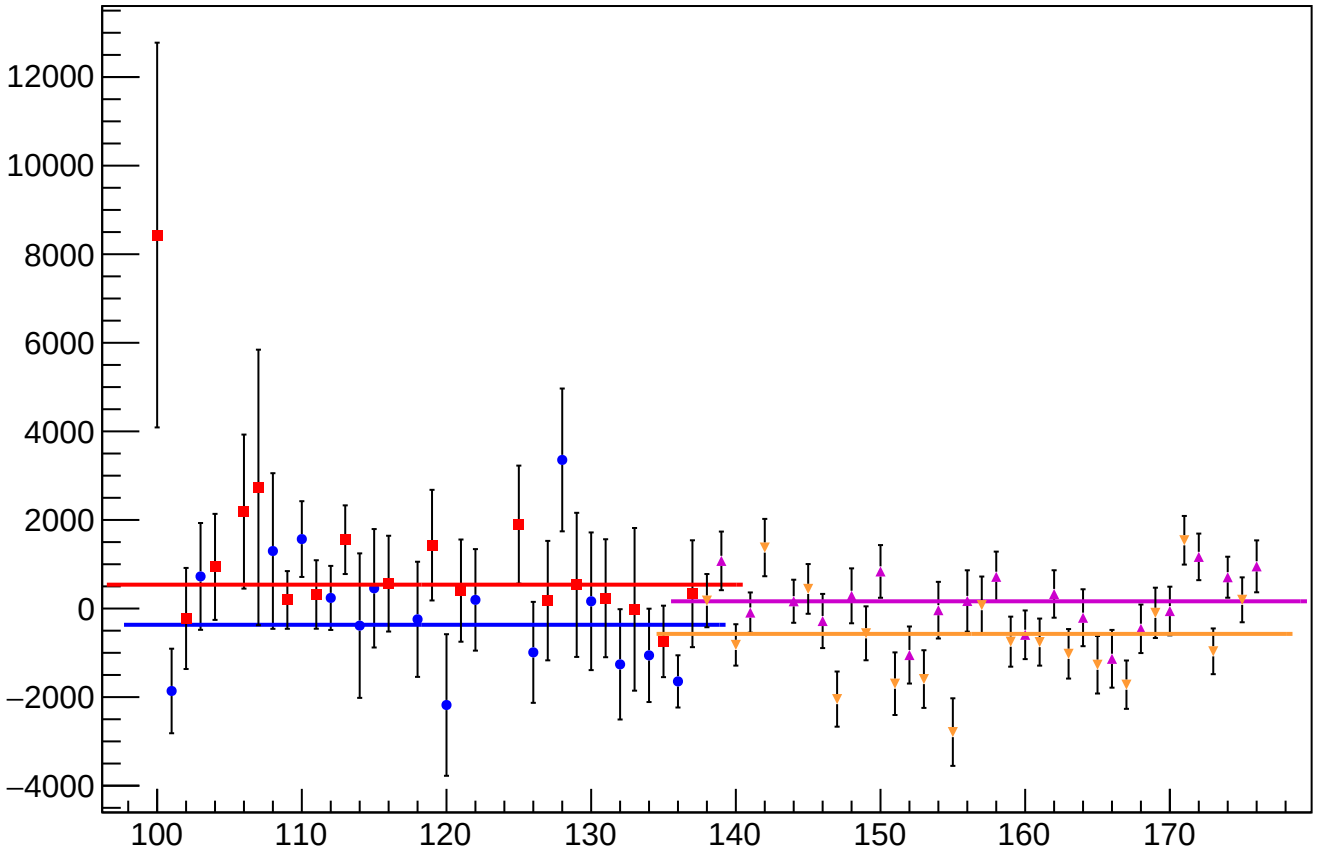
Left: 776.150+/-0.099 χ^2/NDF: 4317.7/37

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

In: 776.932+/-0.115 χ^2/NDF:14742.6/34

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

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

Left In: 163.230+/-130.302 χ^2/NDF:23.2/18

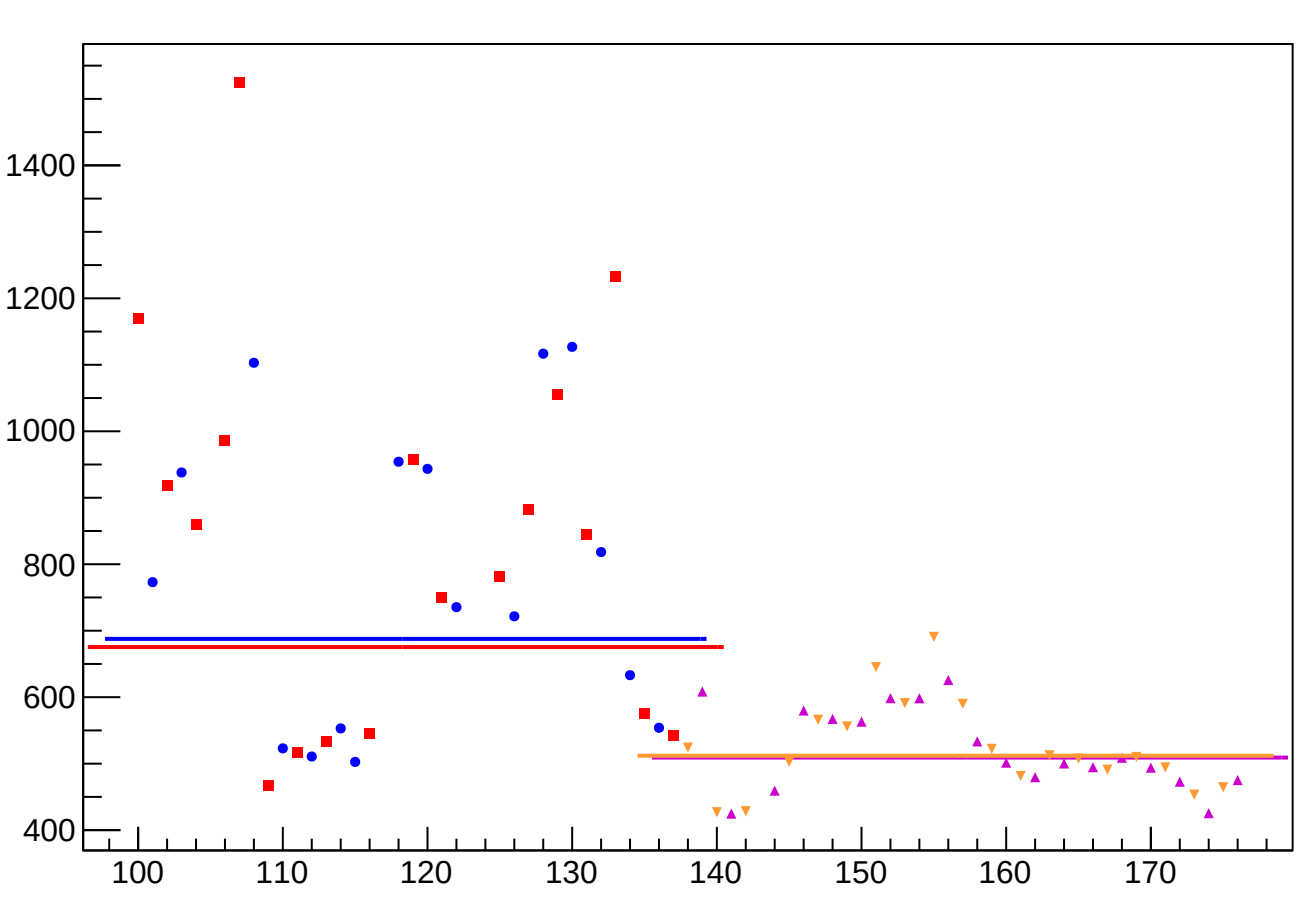
Left: -196.464+/-93.163 χ^2/NDF: 97.8/37

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -139.133+/-83.408 χ^2/NDF: 140.6/71



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

Left: 510.512+/-0.066 χ^2/NDF: 846260.0/37

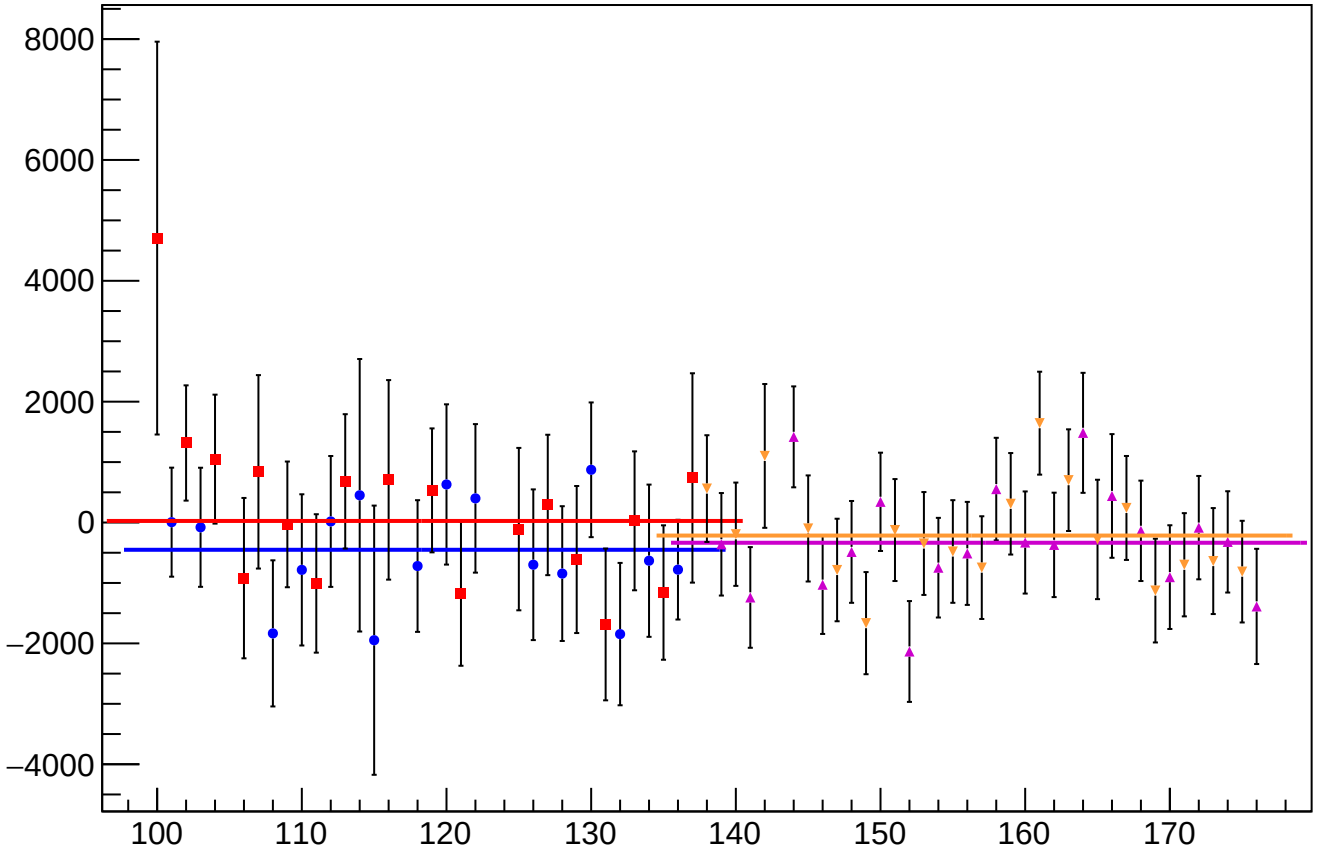
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 543.550+/-0.083 χ^2/NDF:2180007.0/34

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

Left In: -334.785+/-196.993 χ^2/NDF:18.8/18

Left: -275.993+/-140.305 χ^2/NDF: 33.7/37

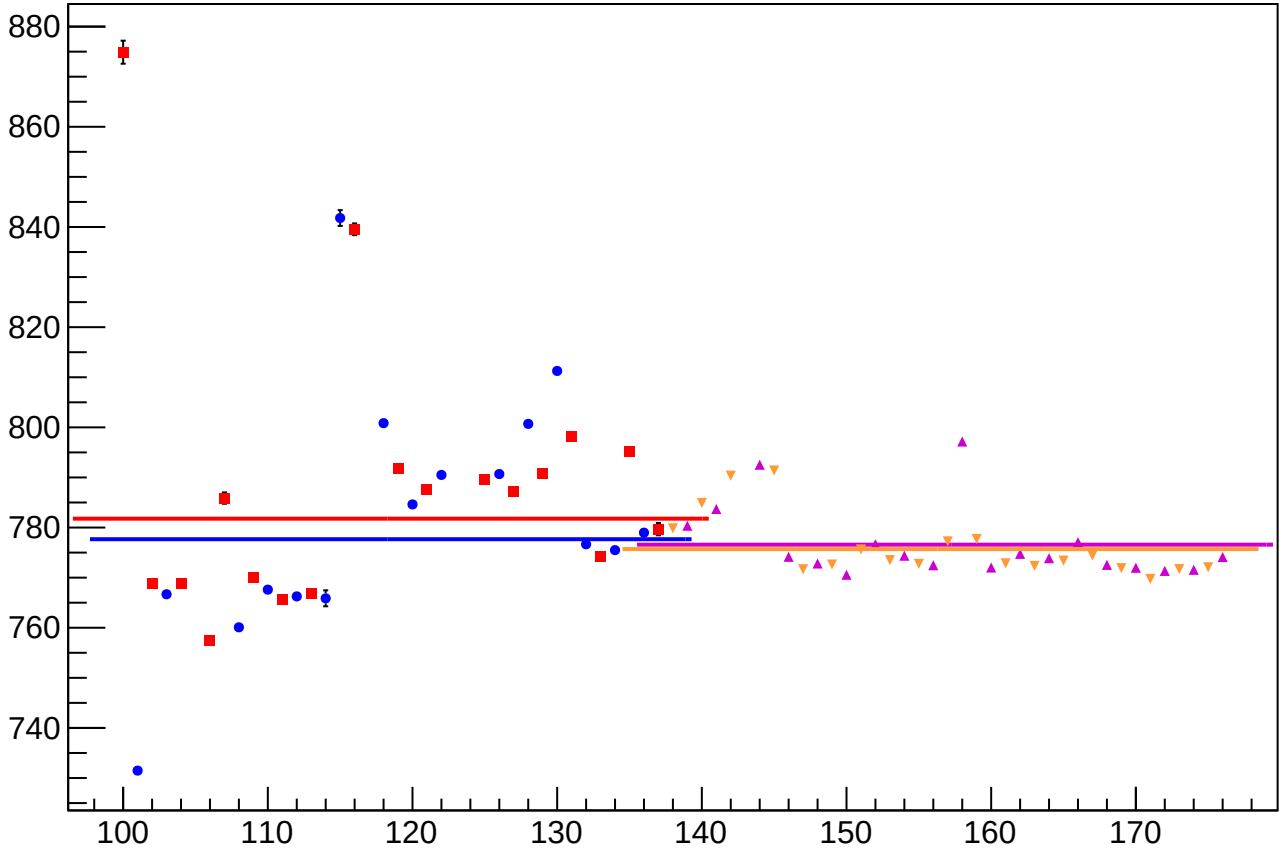
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -371.646+/-162.766 χ^2/NDF:25.9/34

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -255.350+/-115.605 χ^2/NDF: 53.8/71

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

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

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

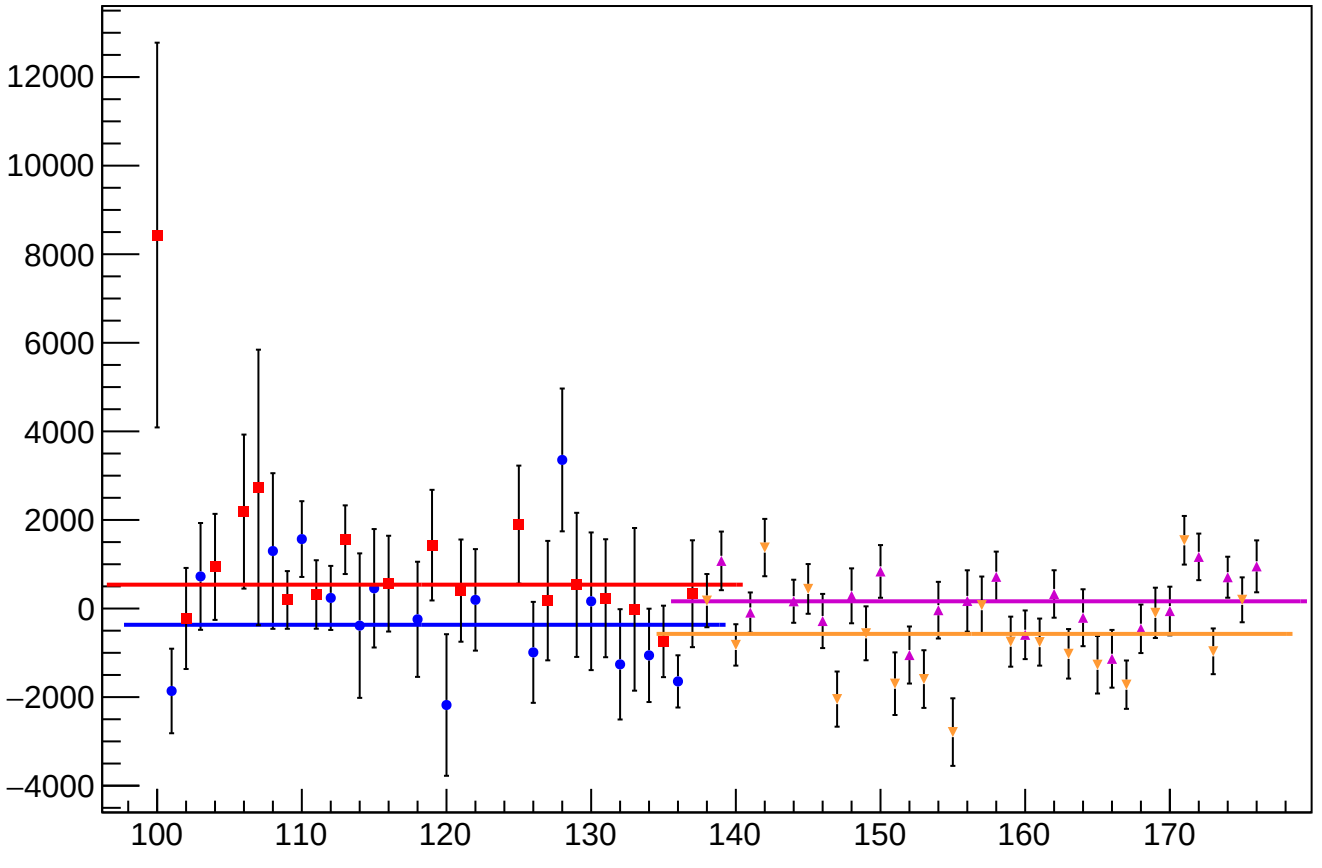
Left: 776.150+/-0.099 χ^2/NDF: 4317.7/37

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

In: 776.932+/-0.115 χ^2/NDF:14742.6/34

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

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

Left In: 163.230+/-130.302 χ^2/NDF:23.2/18

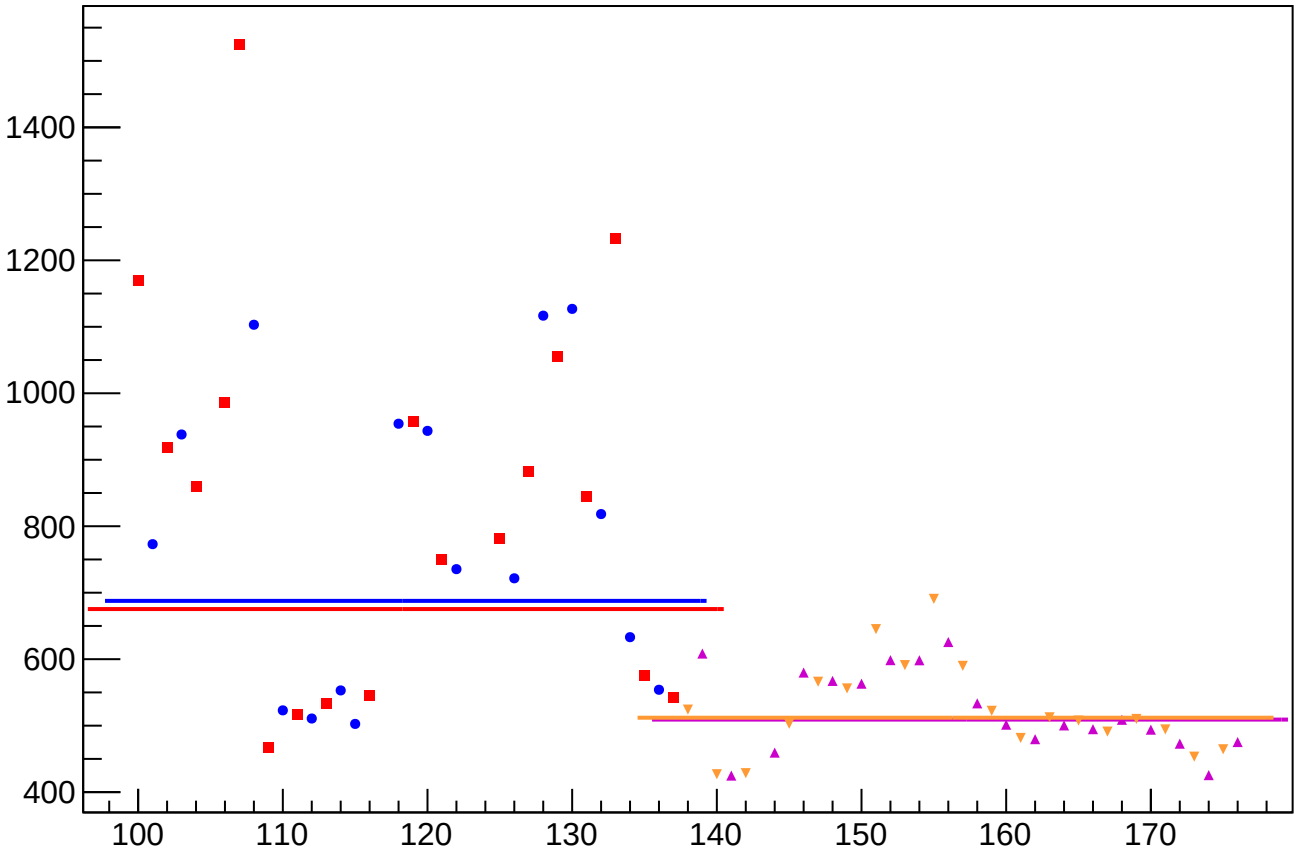
Left: -196.464+/-93.163 χ^2/NDF: 97.8/37

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -139.133+/-83.408 χ^2/NDF: 140.6/71



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

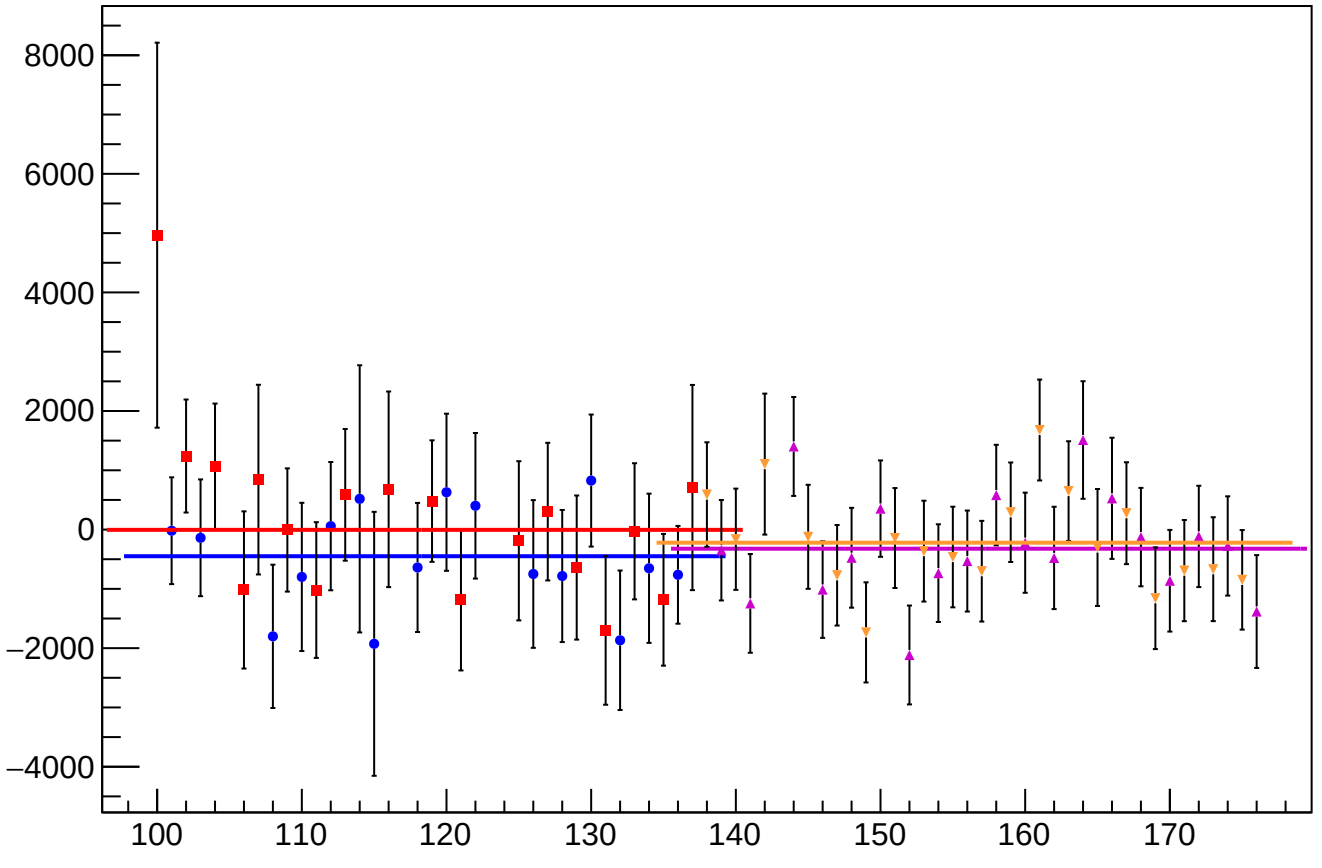
Left: 510.512+/-0.066 χ^2/NDF: 846260.0/37

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

In: 543.550+/-0.083 χ^2/NDF:2180007.0/34

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71



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

Left Out: -221.077+/-199.690 χ^2/NDF:15.3/18

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

Left In: -322.533+/-196.803 χ^2/NDF:18.9/18

Left: -272.544+/-140.170 χ^2/NDF: 34.3/37

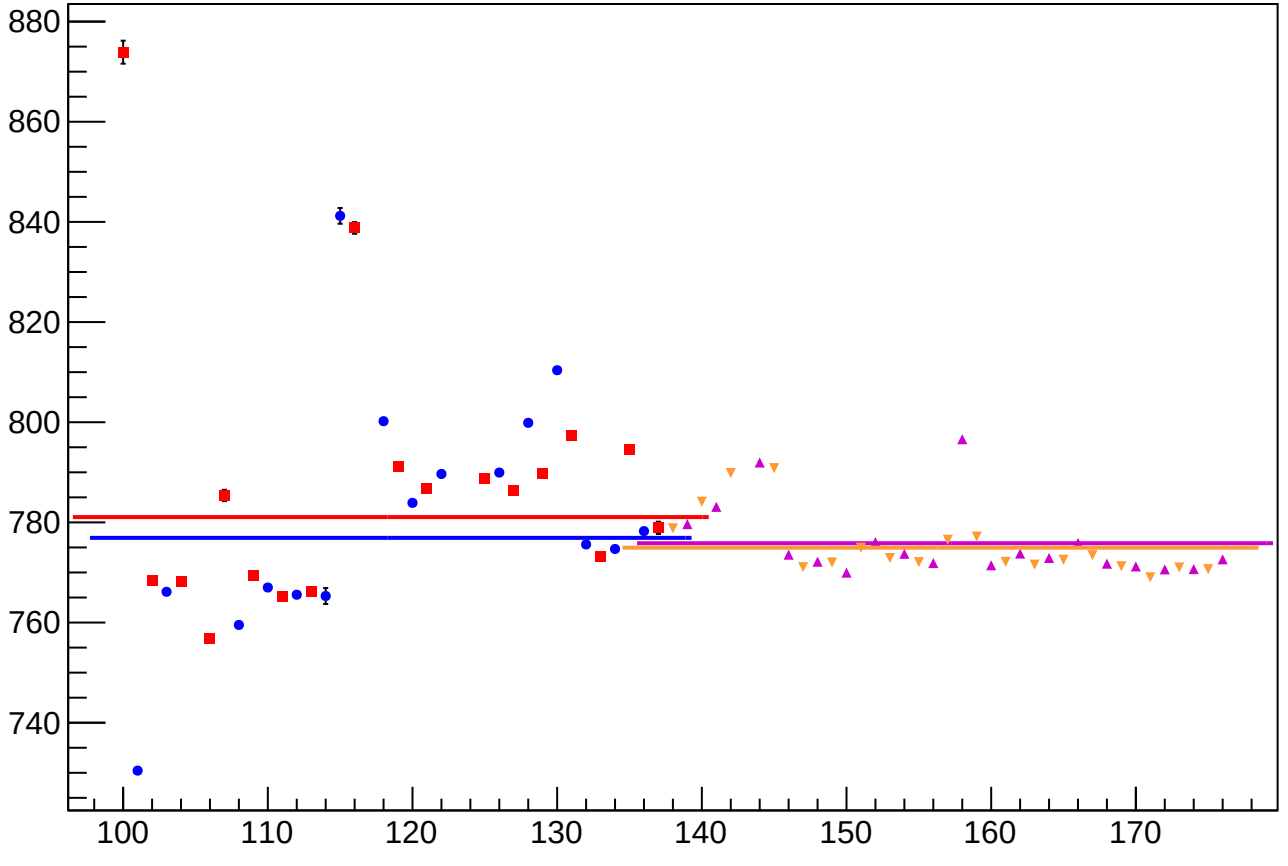
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -362.799+/-162.608 χ^2/NDF:25.8/34

Out: -150.747+/-164.068 χ^2/NDF:27.5/36

All: -257.720+/-115.494 χ^2/NDF: 54.2/71

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 774.950+/-0.141 χ^2/NDF:1660.9/18

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

Left In: 775.839+/-0.139 χ^2/NDF:2717.1/18

Left: 775.401+/-0.099 χ^2/NDF: 4398.1/37

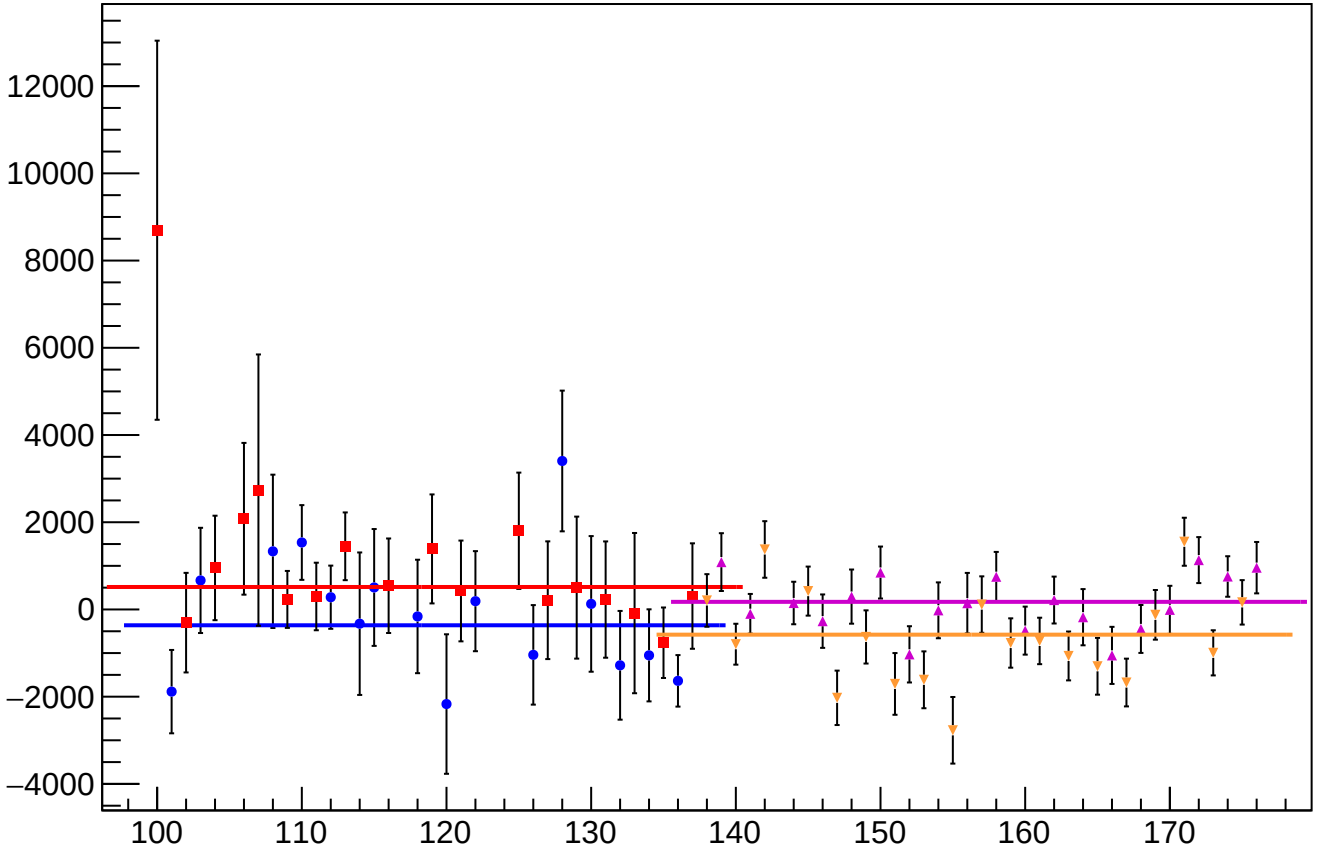
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.180+/-0.115 χ^2/NDF:14859.6/34

Out: 776.936+/-0.116 χ^2/NDF:9855.3/36

All: 776.554+/-0.082 χ^2/NDF: 24736.3/71

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: -577.874+/-133.571 χ^2/NDF:58.6/18

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

Left In: 174.399+/-130.619 χ^2/NDF:22.0/18

Left: -193.331+/-93.388 χ^2/NDF: 96.8/37

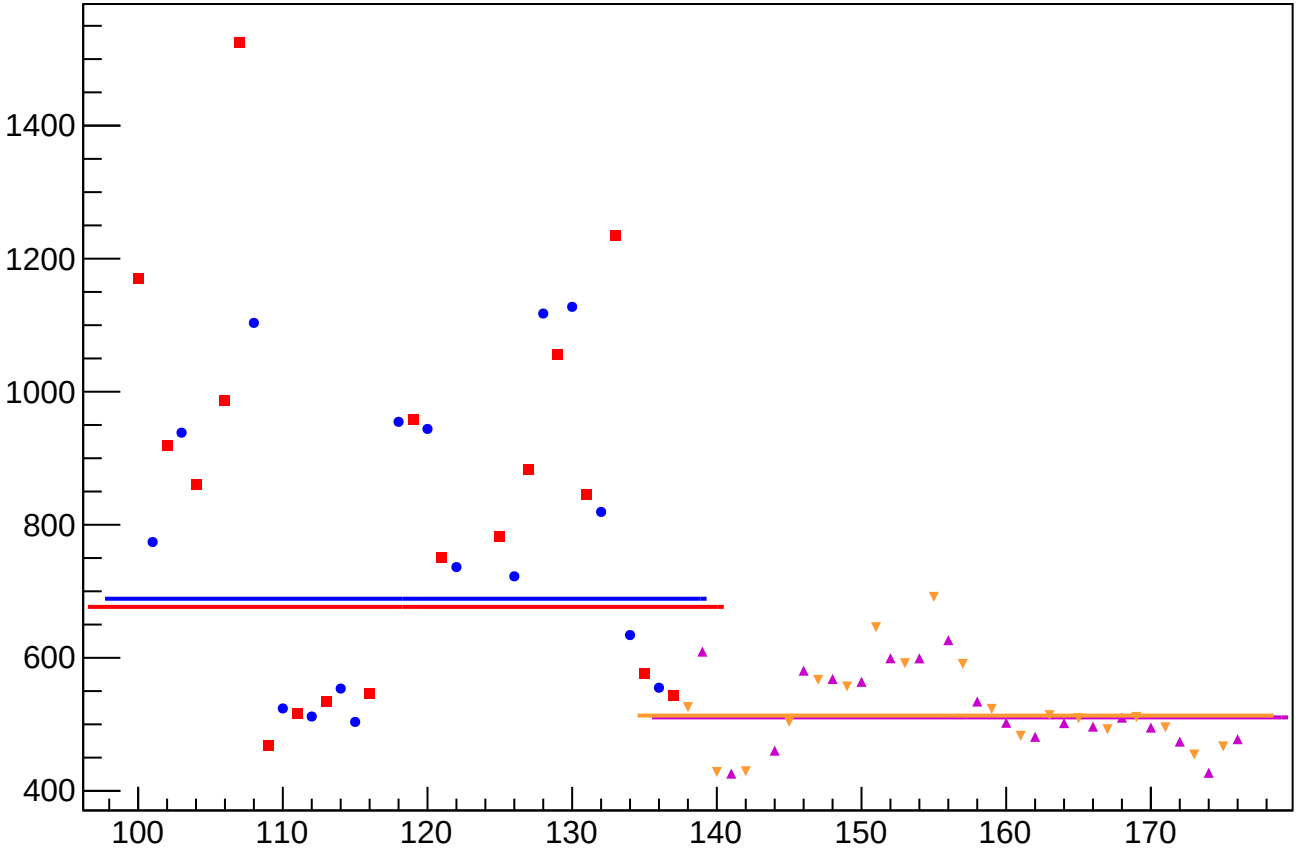
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: 70.713+/-117.338 χ^2/NDF:48.6/34

Out: -354.130+/-119.120 χ^2/NDF:83.7/36

All: -138.507+/-83.594 χ^2/NDF: 138.7/71

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: 513.229+/-0.094 χ^2/NDF:417187.6/18

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

Left In: 510.422+/-0.092 χ^2/NDF:419277.8/18

Left: 511.794+/-0.066 χ^2/NDF: 836916.7/37

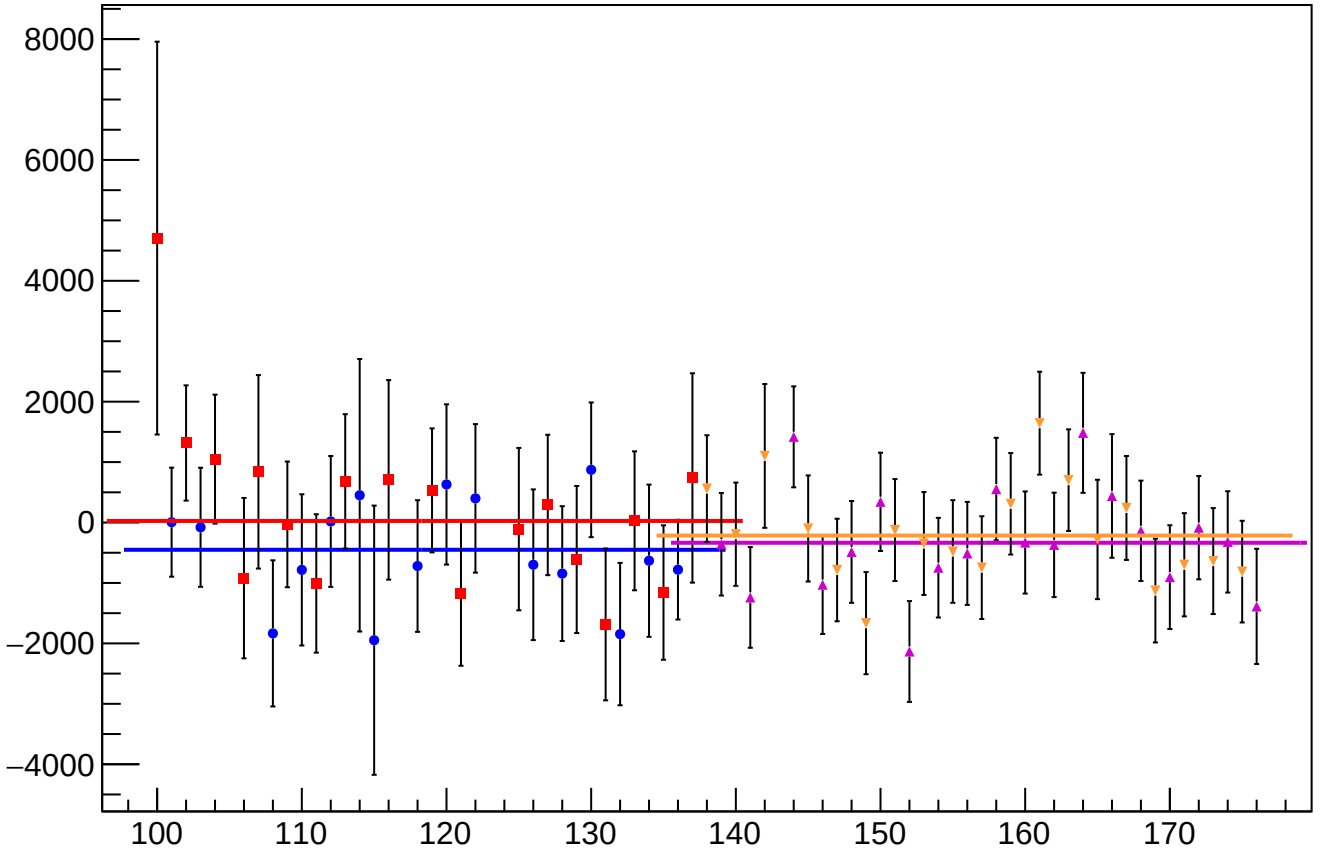
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 544.856+/-0.083 χ^2/NDF:2167535.9/34

Out: 546.661+/-0.084 χ^2/NDF:2337391.6/36

All: 545.745+/-0.059 χ^2/NDF: 4505160.4/71

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -215.463+/-199.883 χ^2/NDF:14.7/18

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

Left In: -334.785+/-196.993 χ^2/NDF:18.8/18

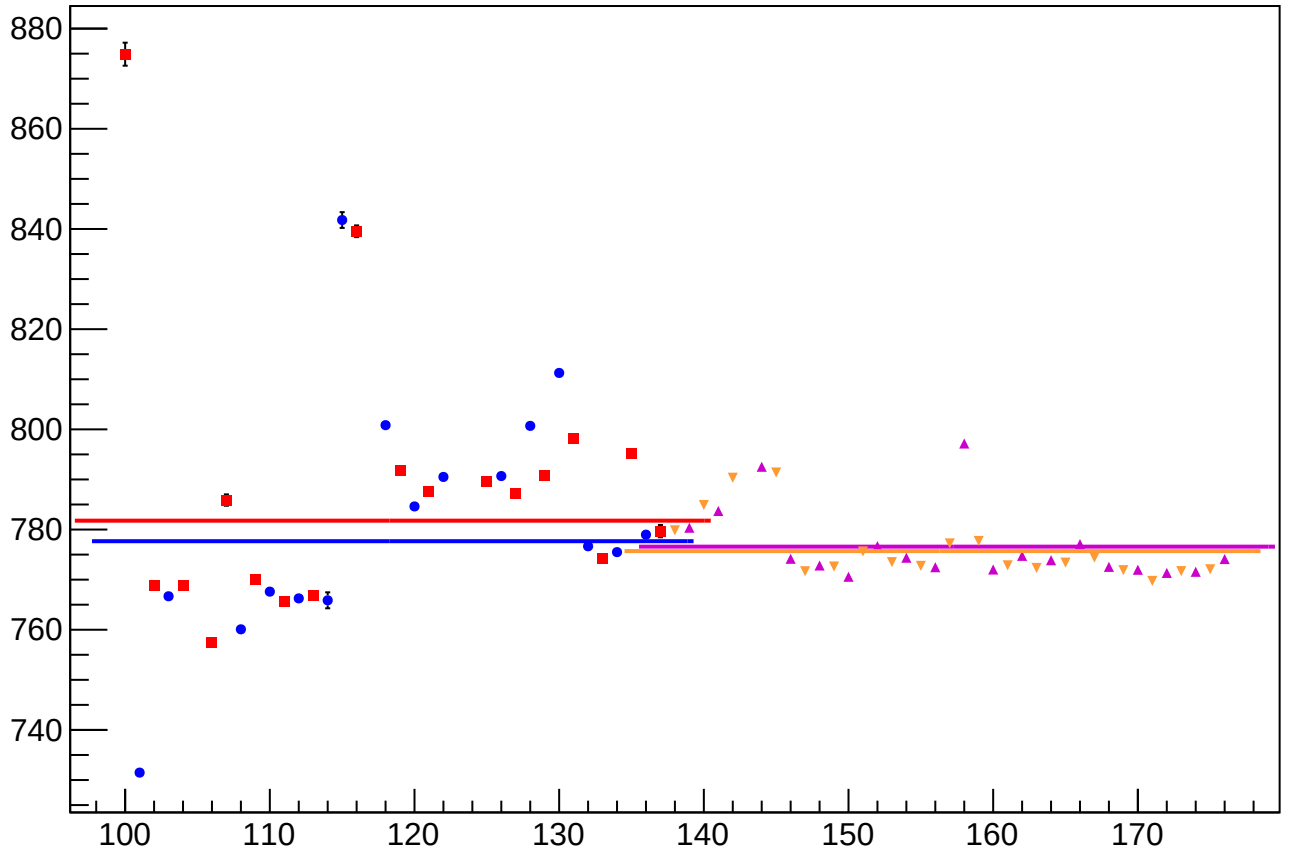
Left: -275.993+/-140.305 χ^2/NDF: 33.7/37

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

In: -371.646+/-162.766 χ^2/NDF:25.9/34

Out: -136.962+/-164.224 χ^2/NDF:26.9/36

All: -255.350+/-115.605 χ^2/NDF: 53.8/71



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

Left Out: 775.700+/-0.141 χ^2/NDF:1629.9/18

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

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

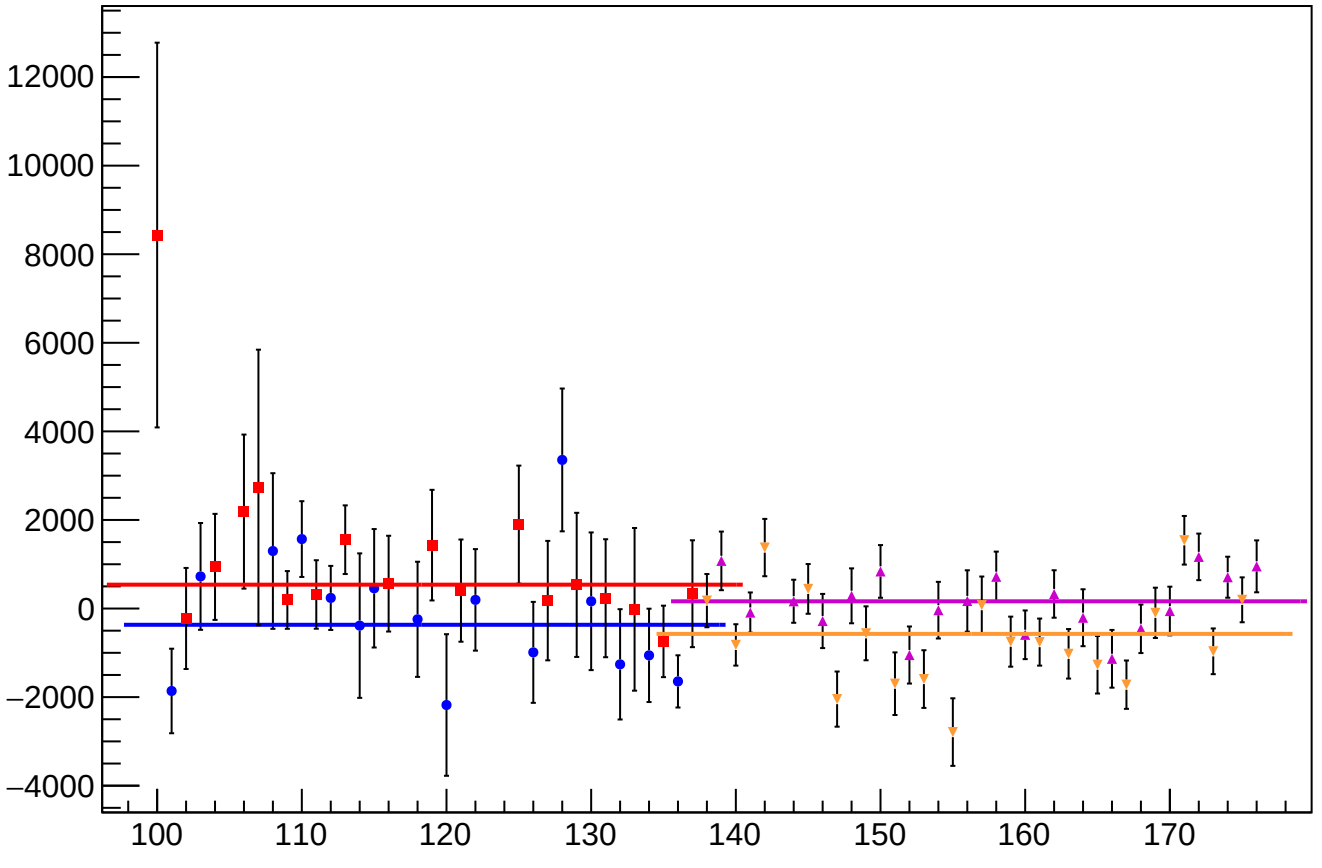
Left: 776.150+/-0.099 χ^2/NDF: 4317.7/37

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

In: 776.932+/-0.115 χ^2/NDF:14742.6/34

Out: 777.675+/-0.116 χ^2/NDF:9856.9/36

All: 777.300+/-0.082 χ^2/NDF: 24620.2/71



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

Left Out: -572.631+/-133.252 χ^2/NDF:59.0/18

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

Left In: 163.230+/-130.302 χ^2/NDF:23.2/18

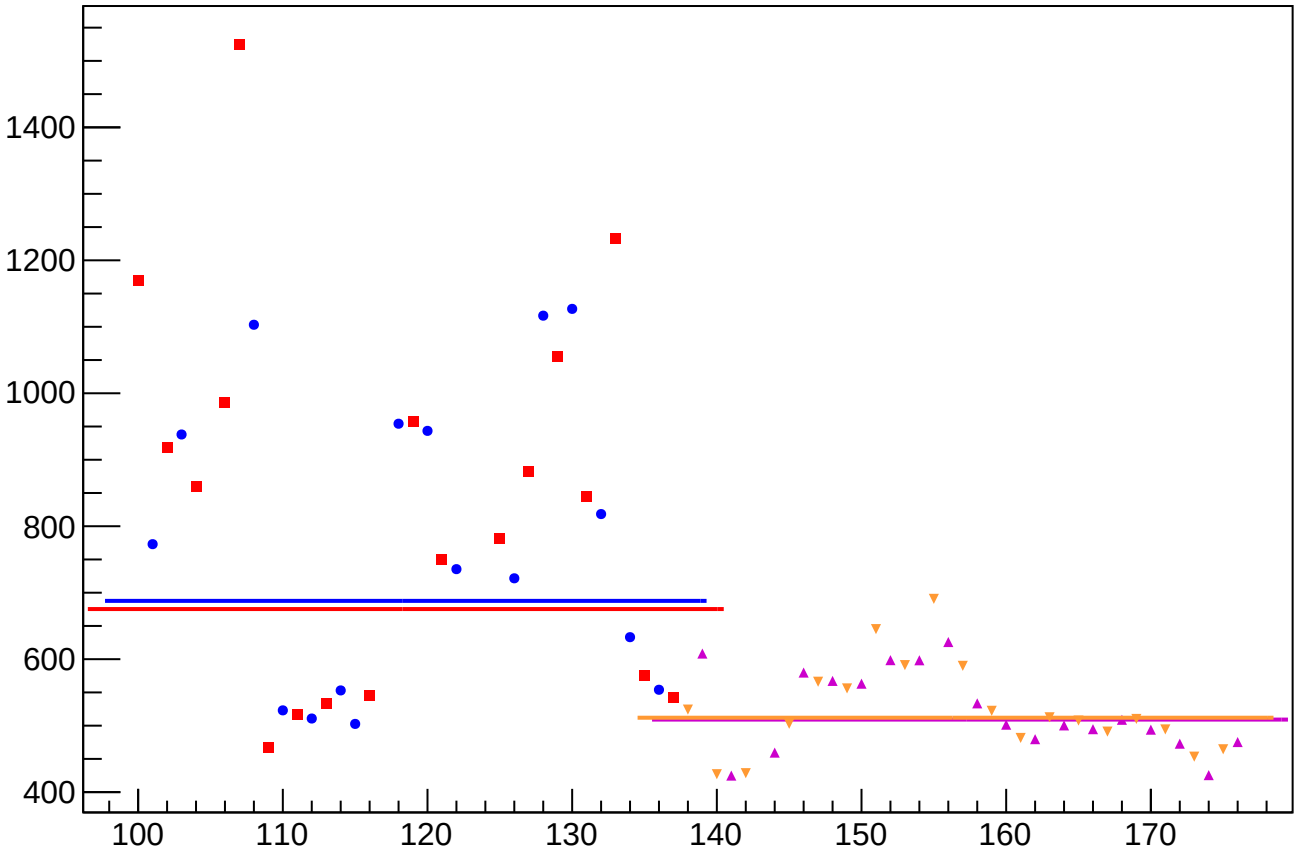
Left: -196.464+/-93.163 χ^2/NDF: 97.8/37

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -345.454+/-118.857 χ^2/NDF:84.9/36

All: -139.133+/-83.408 χ^2/NDF: 140.6/71



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

Left Out: 511.951+/-0.094 χ^2/NDF:421622.8/18

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

Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

Left: 510.512+/-0.066 χ^2/NDF: 846260.0/37

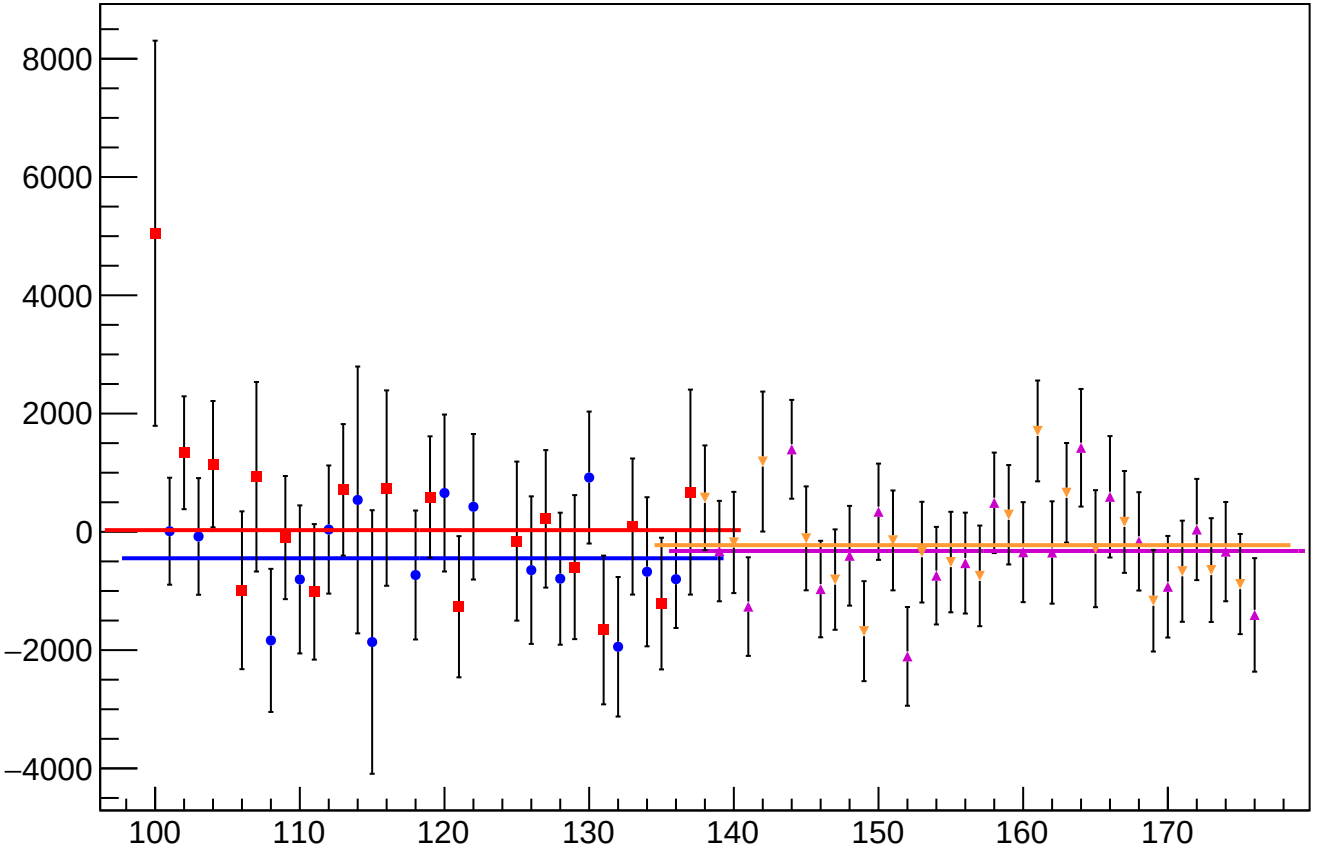
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 543.550+/-0.083 χ^2/NDF:2180007.0/34

Out: 545.360+/-0.084 χ^2/NDF:2349724.1/36

All: 544.441+/-0.059 χ^2/NDF: 4529966.5/71

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -225.046+/-200.123 χ^2/NDF:15.3/18

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

Left In: -323.642+/-197.239 χ^2/NDF:18.5/18

Left: -275.059+/-140.478 χ^2/NDF: 33.9/37

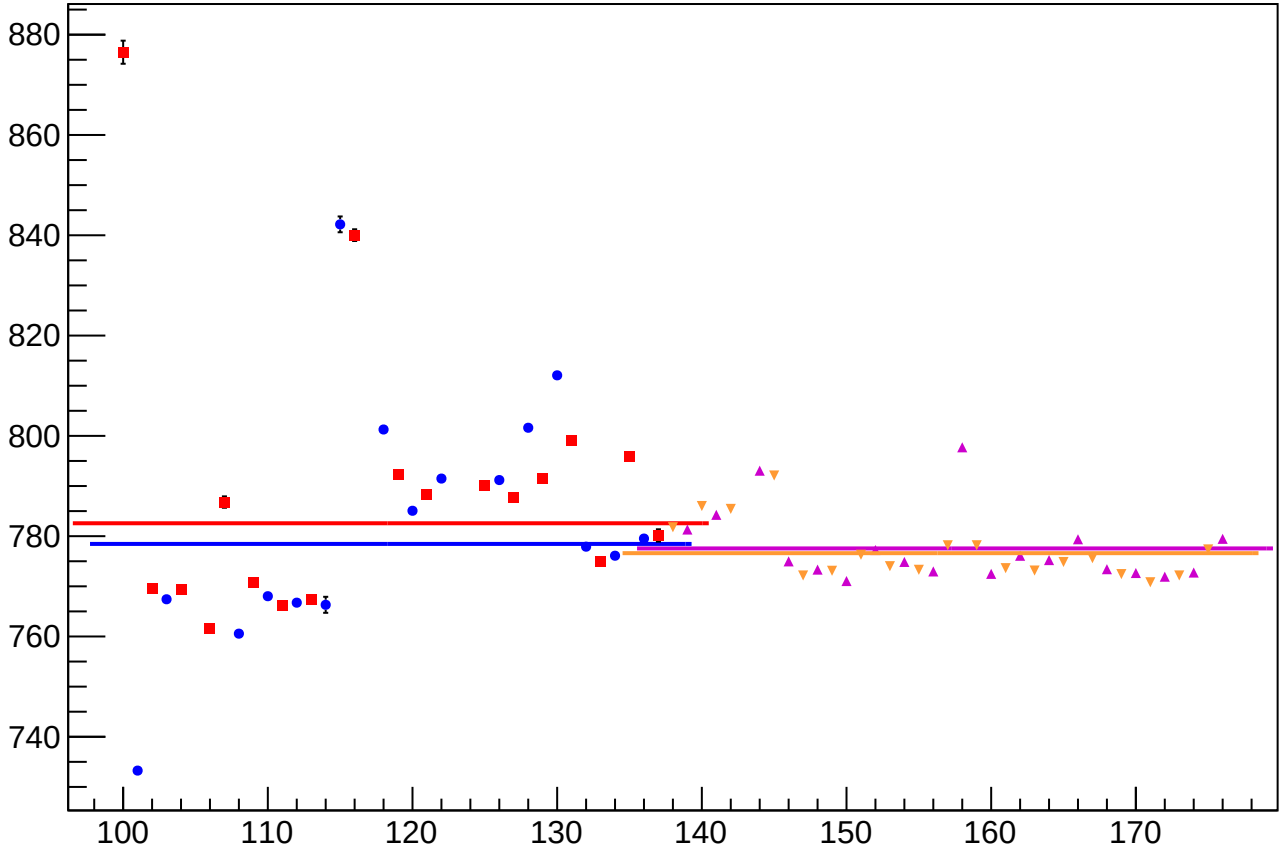
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -362.689+/-162.956 χ^2/NDF:25.9/34

Out: -142.536+/-164.411 χ^2/NDF:28.5/36

All: -253.591+/-115.738 χ^2/NDF: 55.2/71

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.613+/-0.142 χ^2/NDF:1454.2/18

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

Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

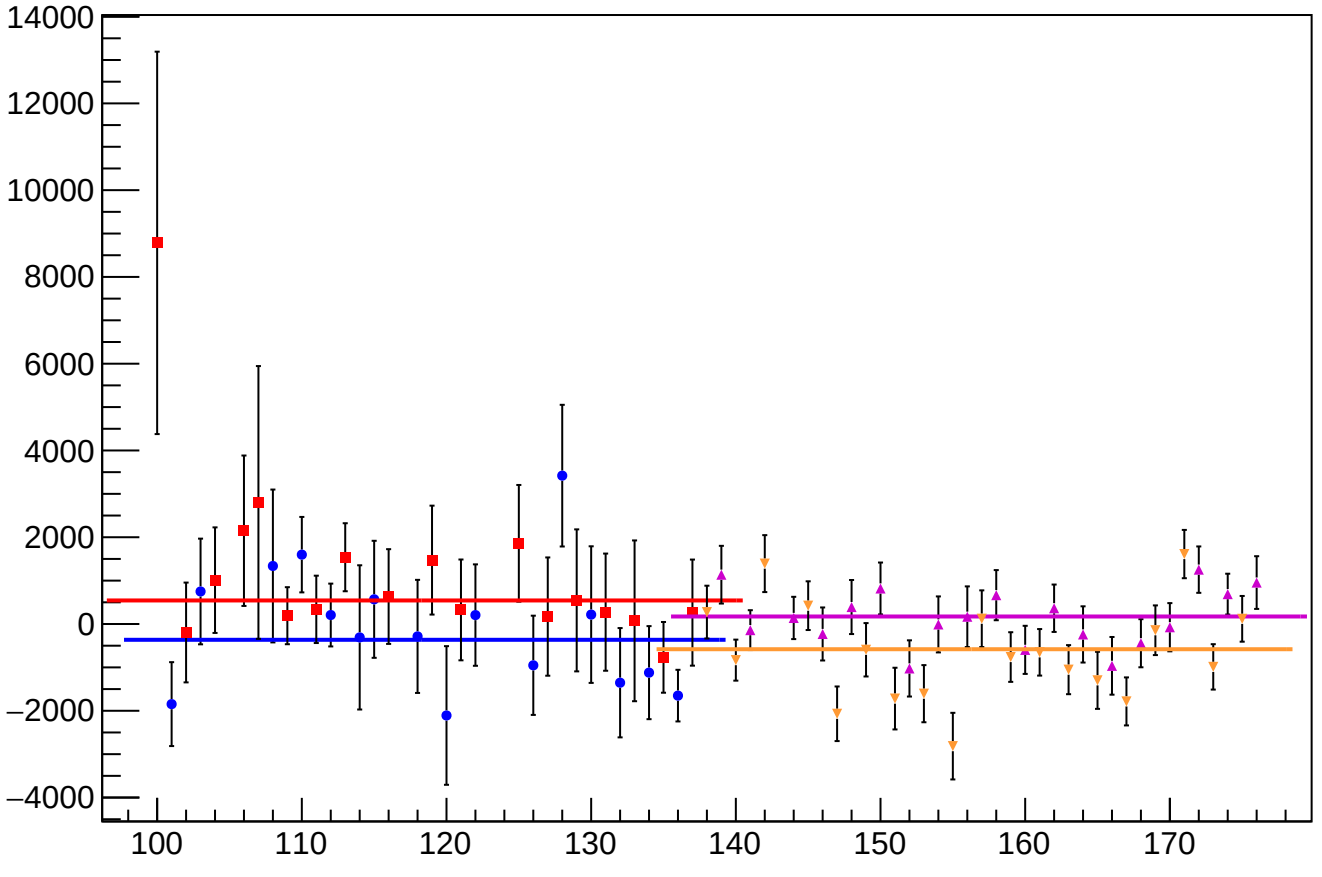
Left: 777.092+/-0.099 χ^2/NDF: 4108.0/37

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

In: 777.843+/-0.115 χ^2/NDF:14439.6/34

Out: 778.551+/-0.116 χ^2/NDF:9512.6/36

All: 778.194+/-0.082 χ^2/NDF: 23971.0/71



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

Left Out: -581.188+/-134.924 χ^2/NDF:59.9/18

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

Left In: 173.297+/-131.801 χ^2/NDF:22.3/18

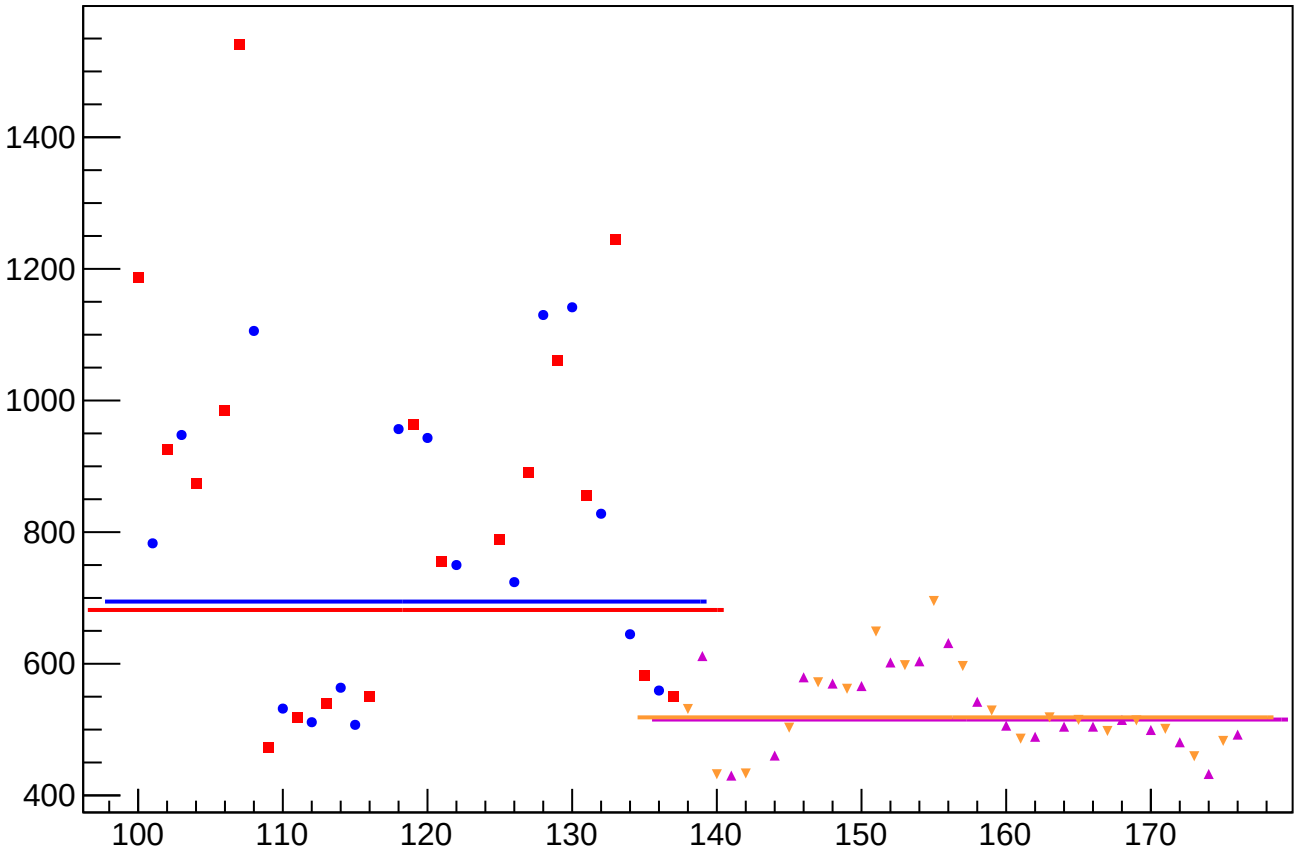
Left: -195.113+/-94.282 χ^2/NDF: 98.2/37

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

In: 69.481+/-118.385 χ^2/NDF:48.8/34

Out: -350.160+/-120.262 χ^2/NDF:85.9/36

All: -137.038+/-84.367 χ^2/NDF: 140.9/71



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

Left Out: 518.565+/-0.095 χ^2/NDF:405932.0/18

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

Left In: 515.252+/-0.093 χ^2/NDF:402038.5/18

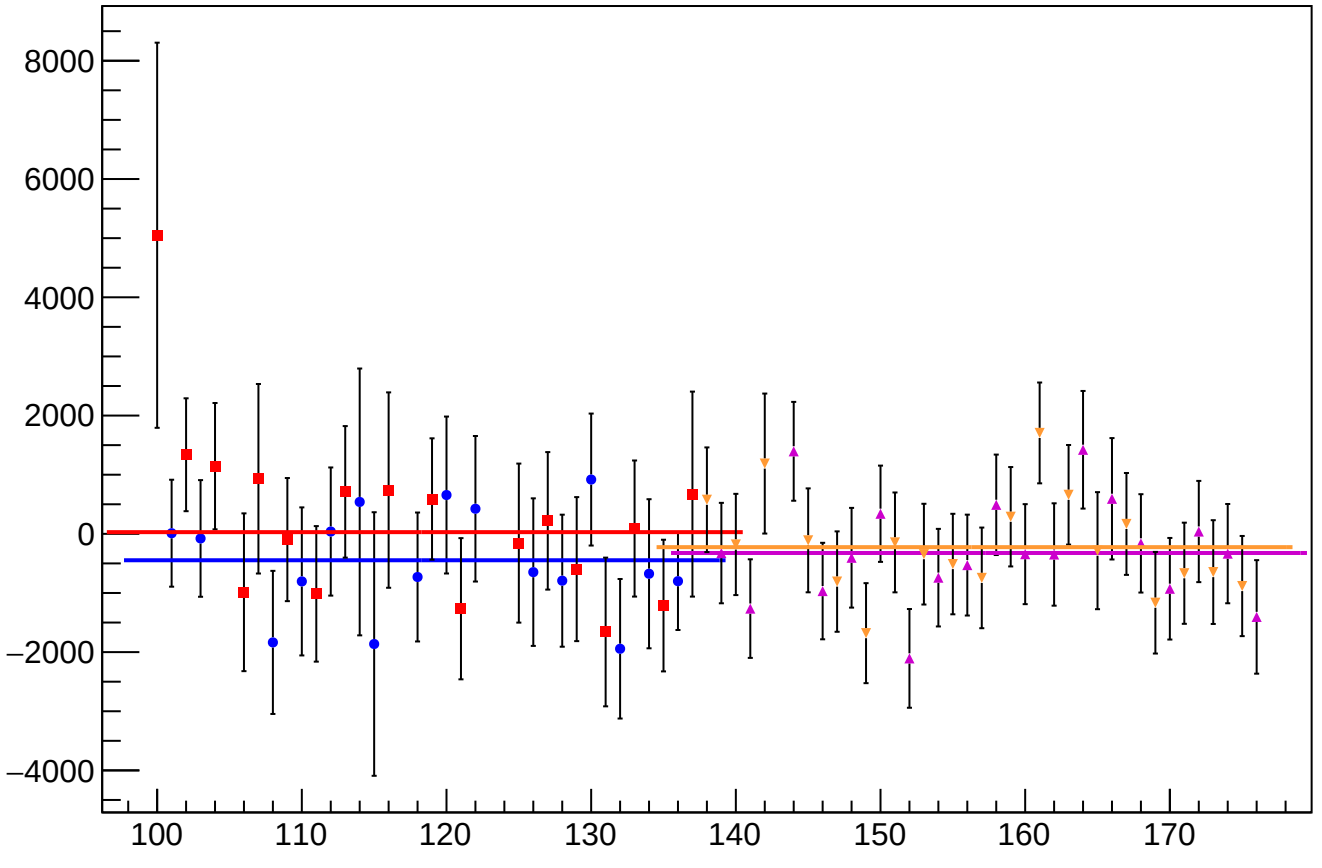
Left: 516.870+/-0.067 χ^2/NDF: 808587.5/37

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

In: 549.892+/-0.084 χ^2/NDF:2146870.8/34

Out: 552.103+/-0.085 χ^2/NDF:2318492.8/36

All: 550.980+/-0.060 χ^2/NDF: 4465707.0/71



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

Left Out: -225.047+/-200.123 χ^2/NDF:15.3/18

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

Left In: -323.641+/-197.239 χ^2/NDF:18.5/18

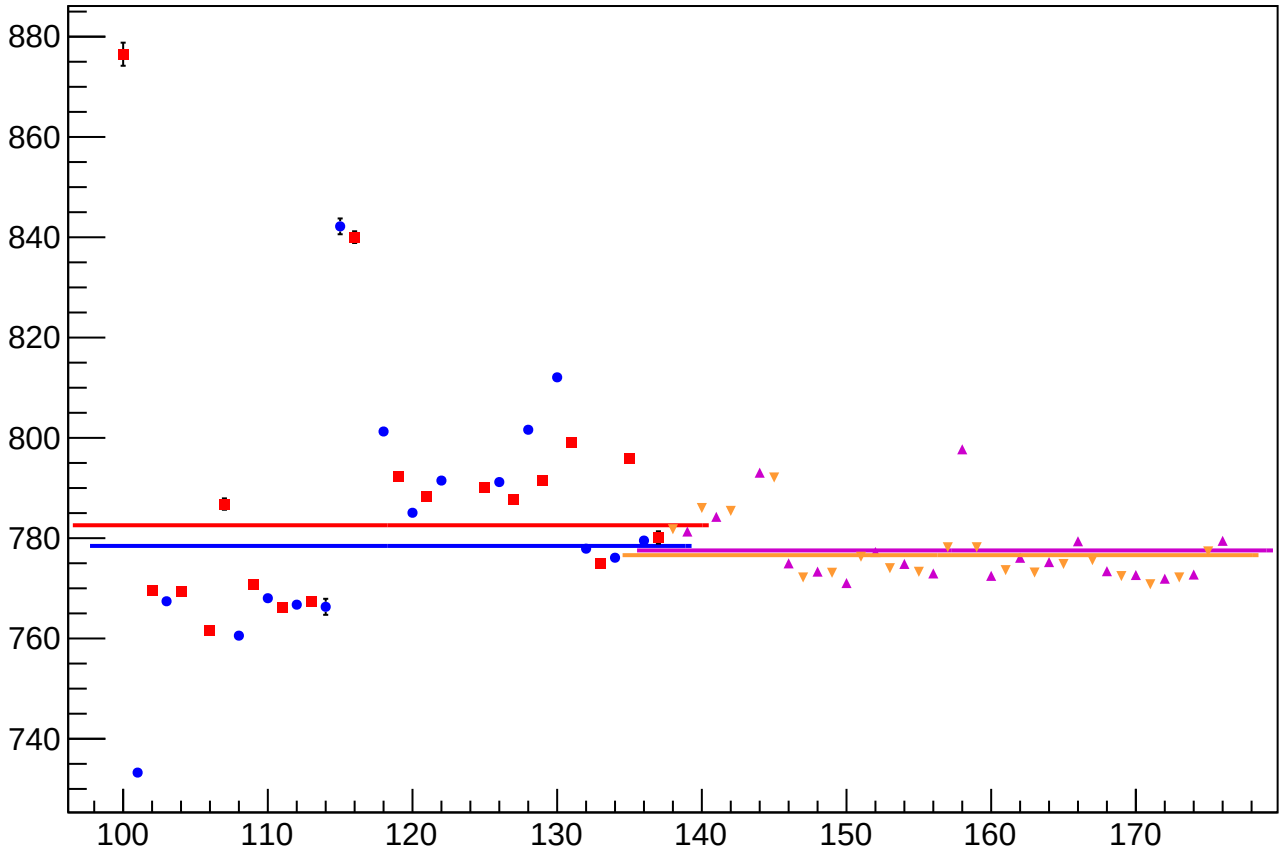
Left: -275.060+/-140.478 χ^2/NDF: 33.9/37

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

In: -362.689+/-162.956 χ^2/NDF:25.9/34

Out: -142.537+/-164.411 χ^2/NDF:28.5/36

All: -253.592+/-115.738 χ^2/NDF: 55.2/71



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

Left Out: 776.613+/-0.142 χ^2/NDF:1454.2/18

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

Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

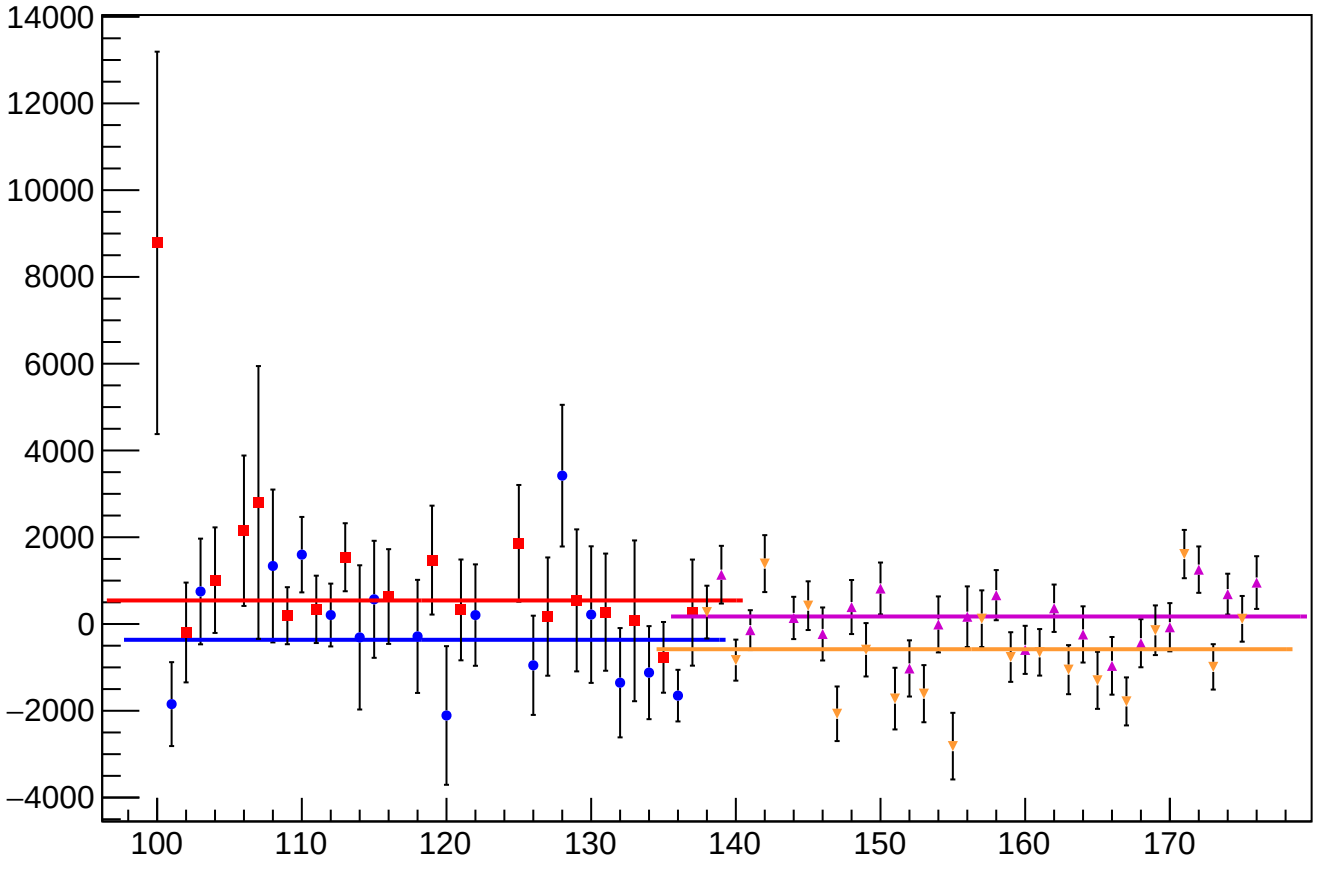
Left: 777.092+/-0.099 χ^2/NDF: 4108.0/37

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

In: 777.843+/-0.115 χ^2/NDF:14439.6/34

Out: 778.551+/-0.116 χ^2/NDF:9512.6/36

All: 778.194+/-0.082 χ^2/NDF: 23970.9/71



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

Left Out: -581.188+/-134.924 χ^2/NDF:59.9/18

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

Left In: 173.297+/-131.801 χ^2/NDF:22.3/18

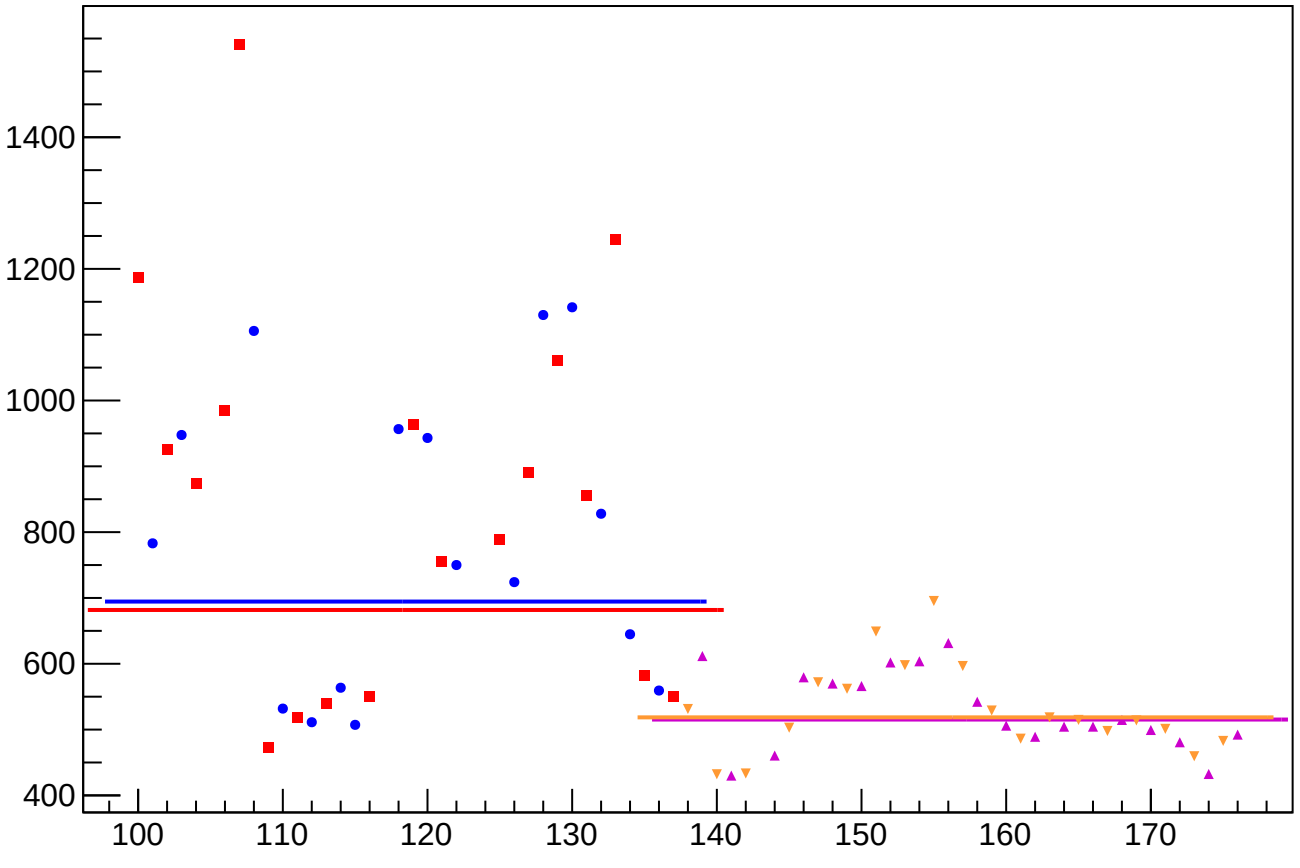
Left: -195.113+/-94.282 χ^2/NDF: 98.2/37

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

In: 69.481+/-118.385 χ^2/NDF:48.8/34

Out: -350.159+/-120.262 χ^2/NDF:85.9/36

All: -137.038+/-84.367 χ^2/NDF: 140.9/71



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

Left Out: 518.565+/-0.095 χ^2/NDF:405943.6/18

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

Left In: 515.252+/-0.093 χ^2/NDF:402051.3/18

Left: 516.870+/-0.067 χ^2/NDF: 808612.0/37

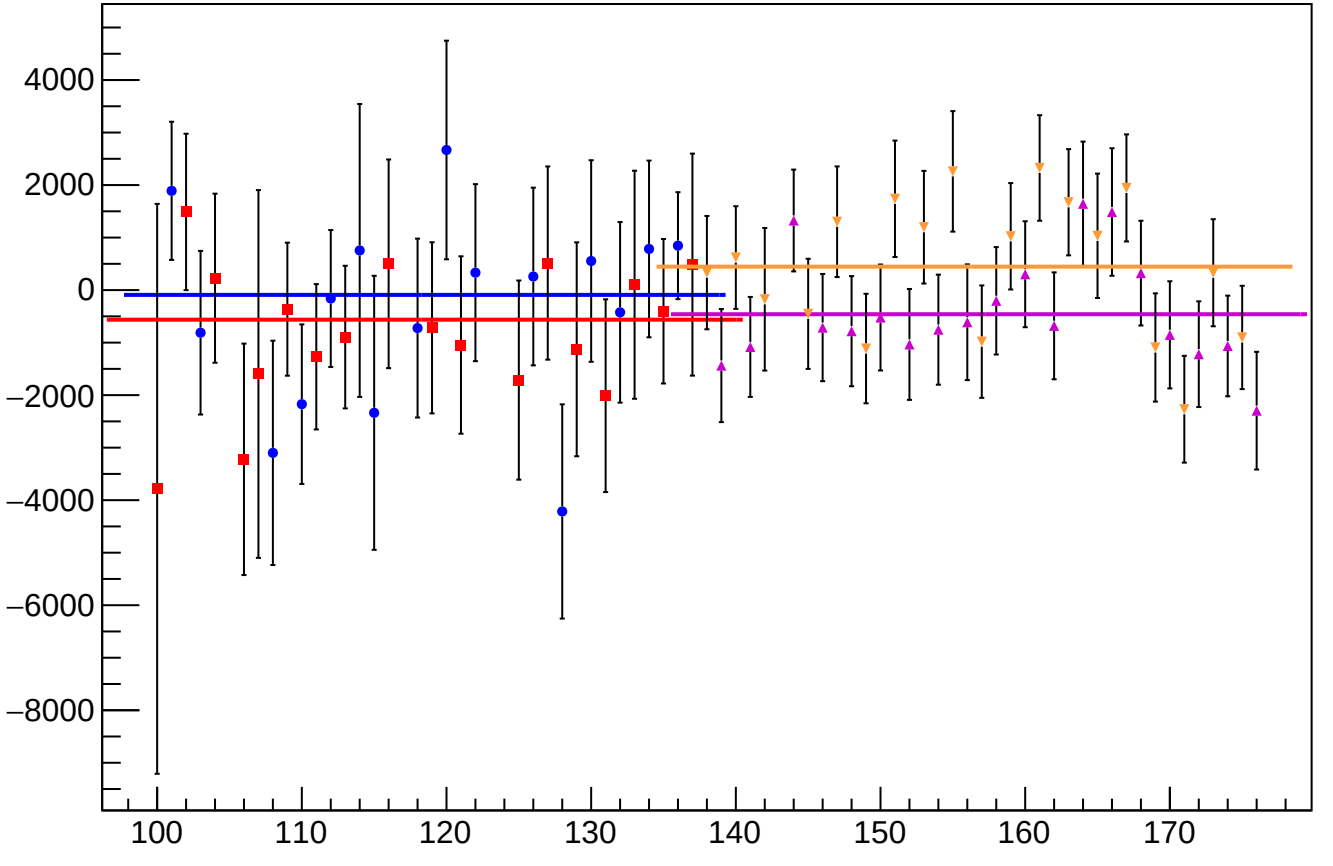
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 549.892+/-0.084 χ^2/NDF:2146871.7/34

Out: 552.103+/-0.085 χ^2/NDF:2318503.2/36

All: 550.980+/-0.060 χ^2/NDF: 4465718.2/71

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 446.614+/-242.415 χ^2/NDF:29.0/18

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

Left In: -459.454+/-238.030 χ^2/NDF:16.0/18

Left: -14.690+/-169.842 χ^2/NDF: 52.1/37

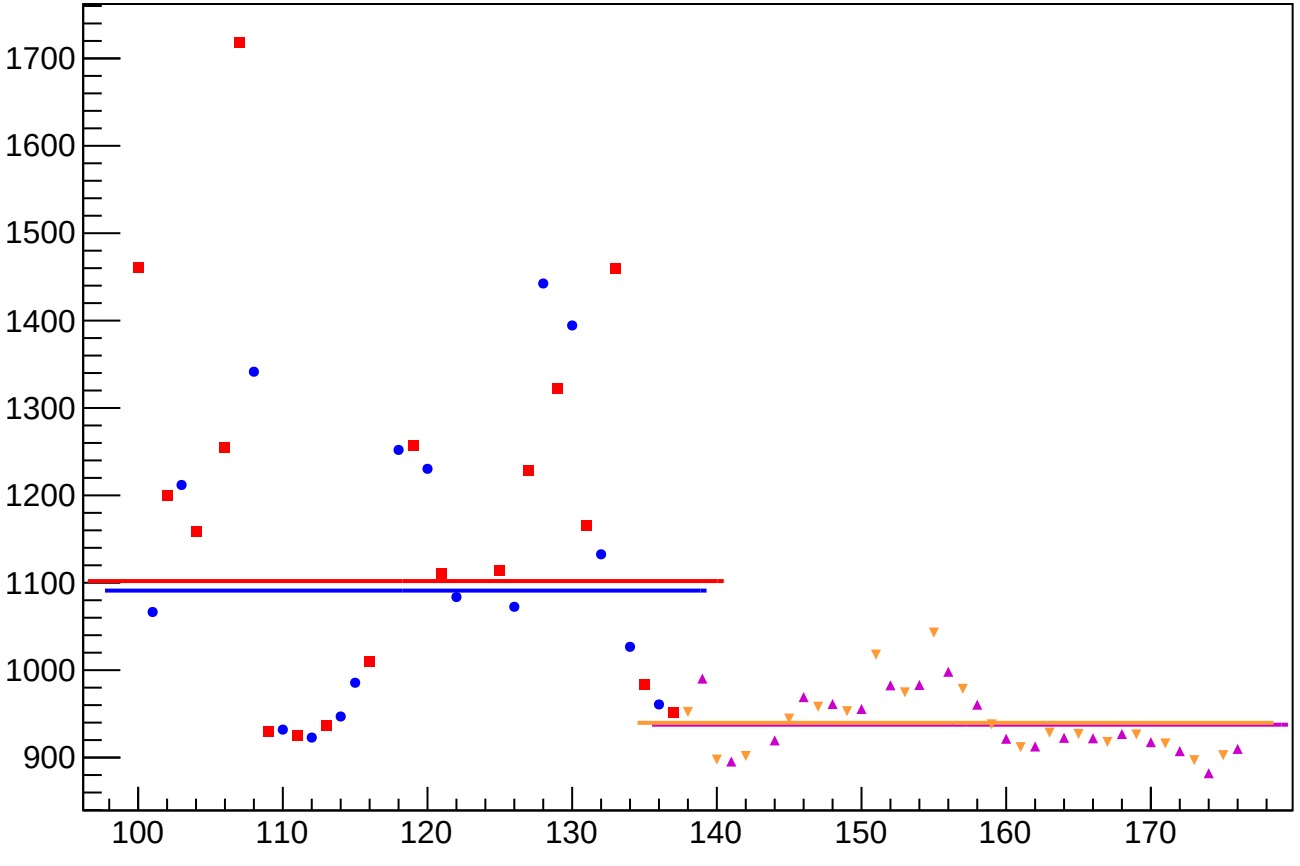
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -366.634+/-205.848 χ^2/NDF:31.2/34

Out: 186.490+/-208.875 χ^2/NDF:40.0/36

All: -94.110+/-146.615 χ^2/NDF: 74.7/71

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 939.743+/-0.171 χ^2/NDF:48090.5/18

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

Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

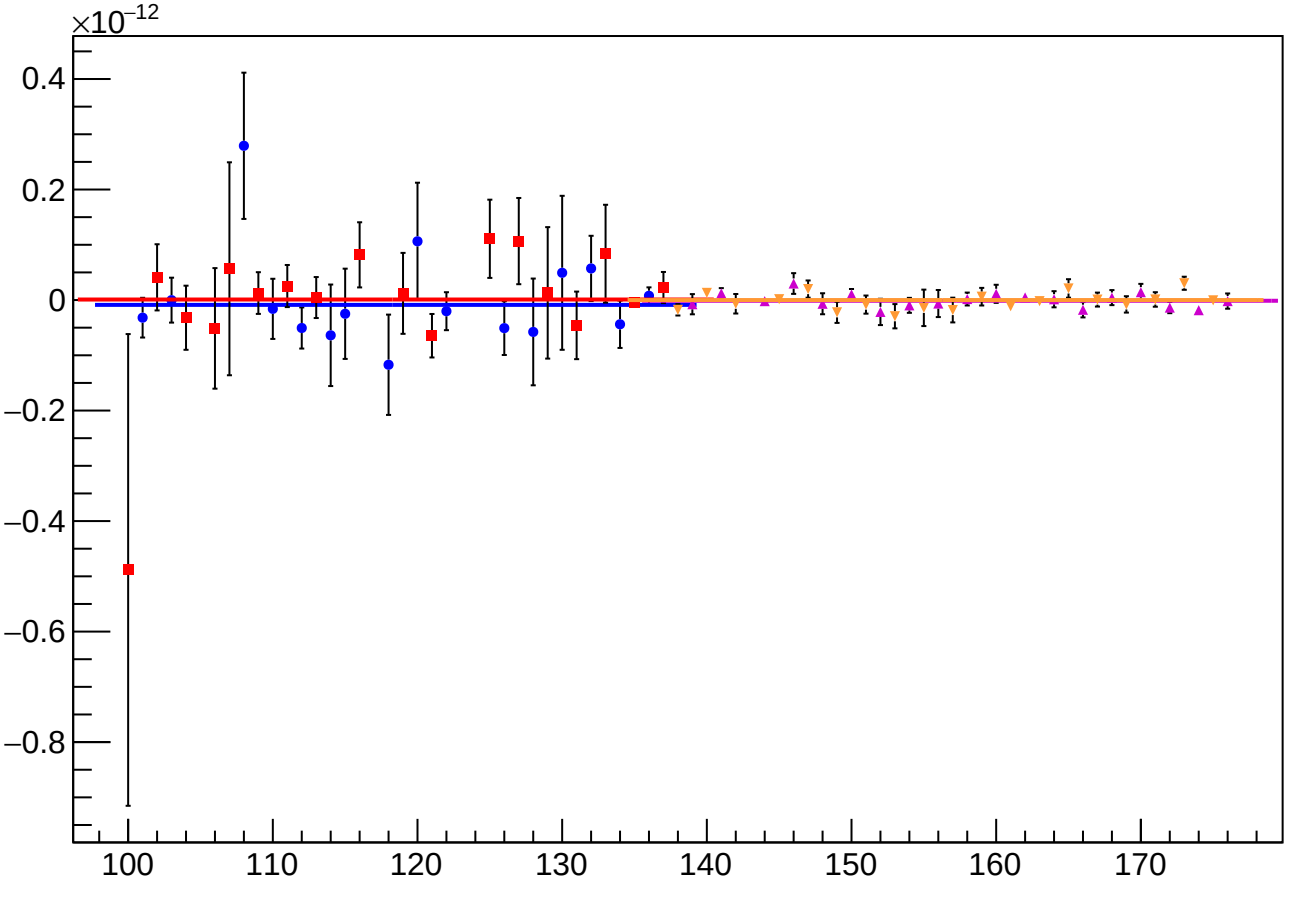
Left: 938.652+/-0.120 χ^2/NDF: 88702.6/37

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

In: 976.286+/-0.146 χ^2/NDF:527376.5/34

Out: 981.524+/-0.148 χ^2/NDF:606852.6/36

All: 978.867+/-0.104 χ^2/NDF: 1134867.0/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/18

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

Left In: -0.000+/-0.000 χ^2/NDF:17.7/18

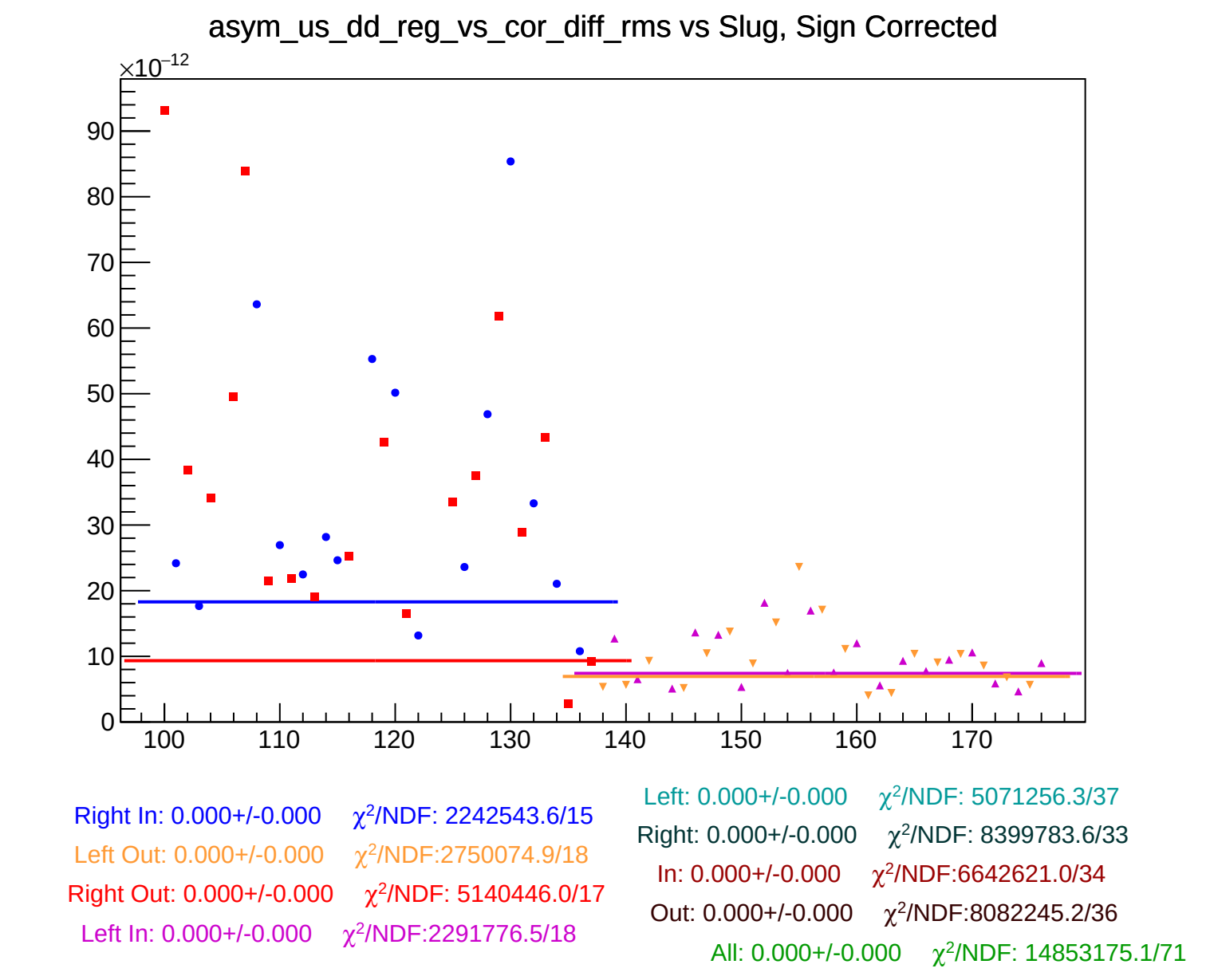
Left: -0.000+/-0.000 χ^2/NDF: 40.4/37

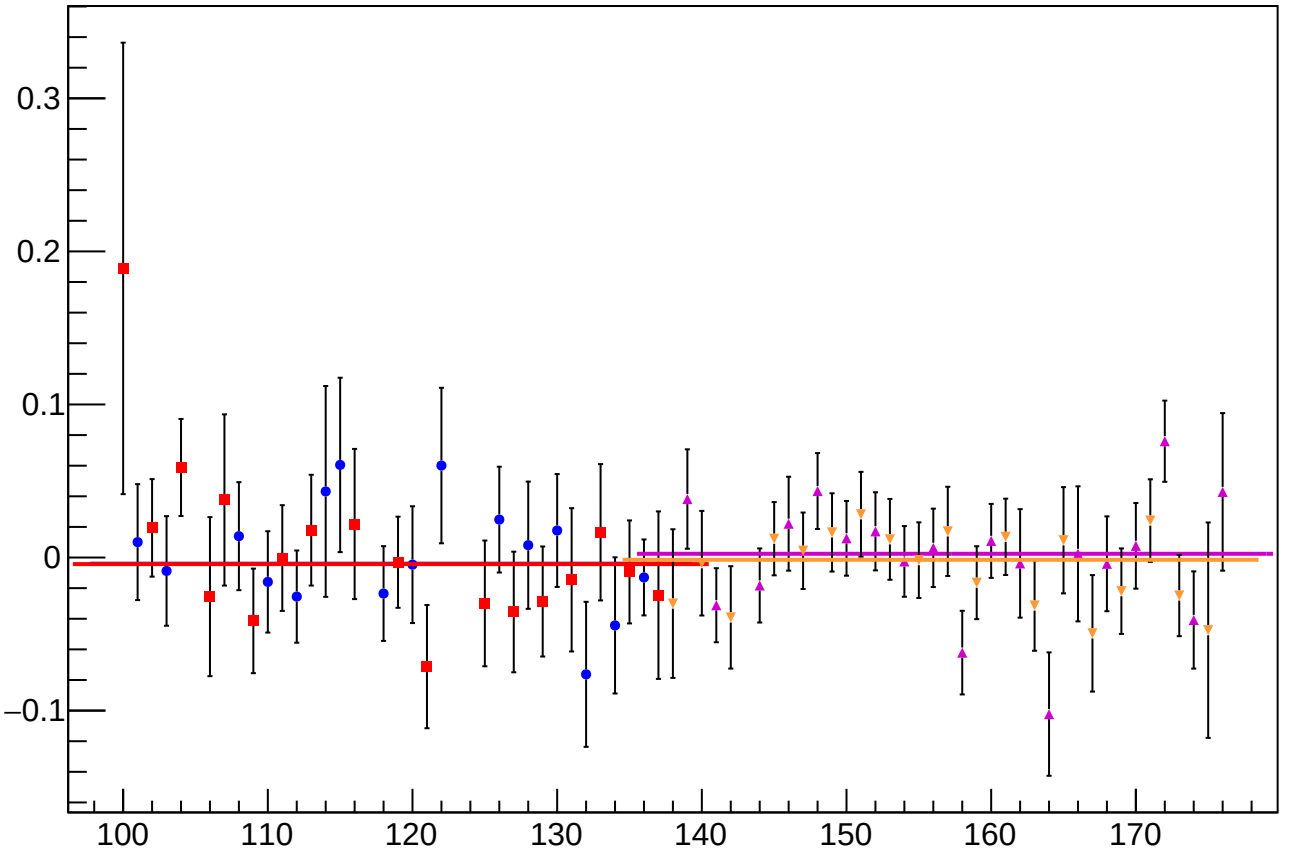
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:32.0/34

Out: 0.000+/-0.000 χ^2/NDF:36.9/36

All: -0.000+/-0.000 χ^2/NDF: 69.2/71


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:2750074.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2291776.5/18
Left: 0.000+/-0.000 χ²/NDF: 5071256.3/37
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6642621.0/34
Out: 0.000+/-0.000 χ²/NDF:8082245.2/36
All: 0.000+/-0.000 χ²/NDF: 14853175.1/71



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

Left In: 0.002+/-0.006 χ^2/NDF:30.3/18

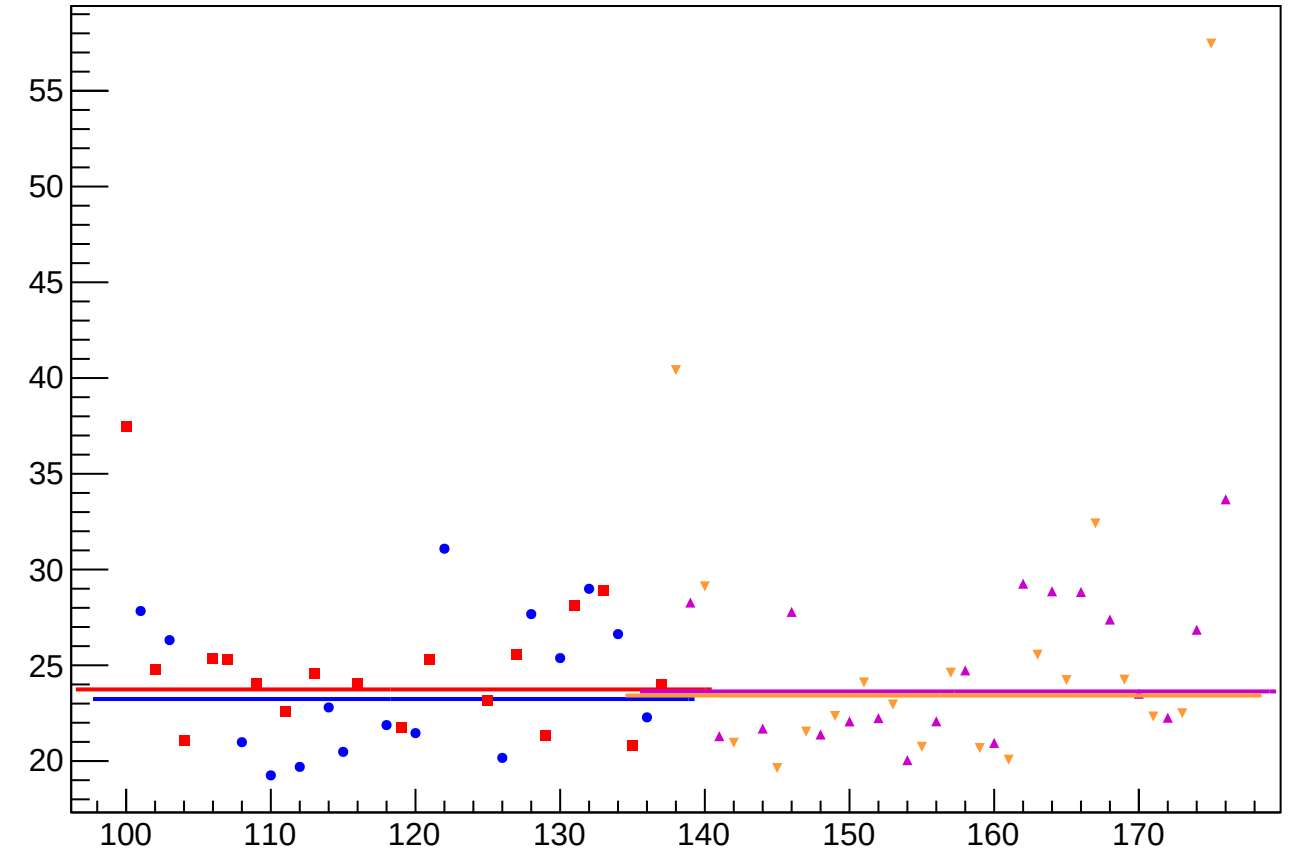
Left: 0.001+/-0.005 χ^2/NDF: 41.0/37

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 64.0/71



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066385.3/18

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

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

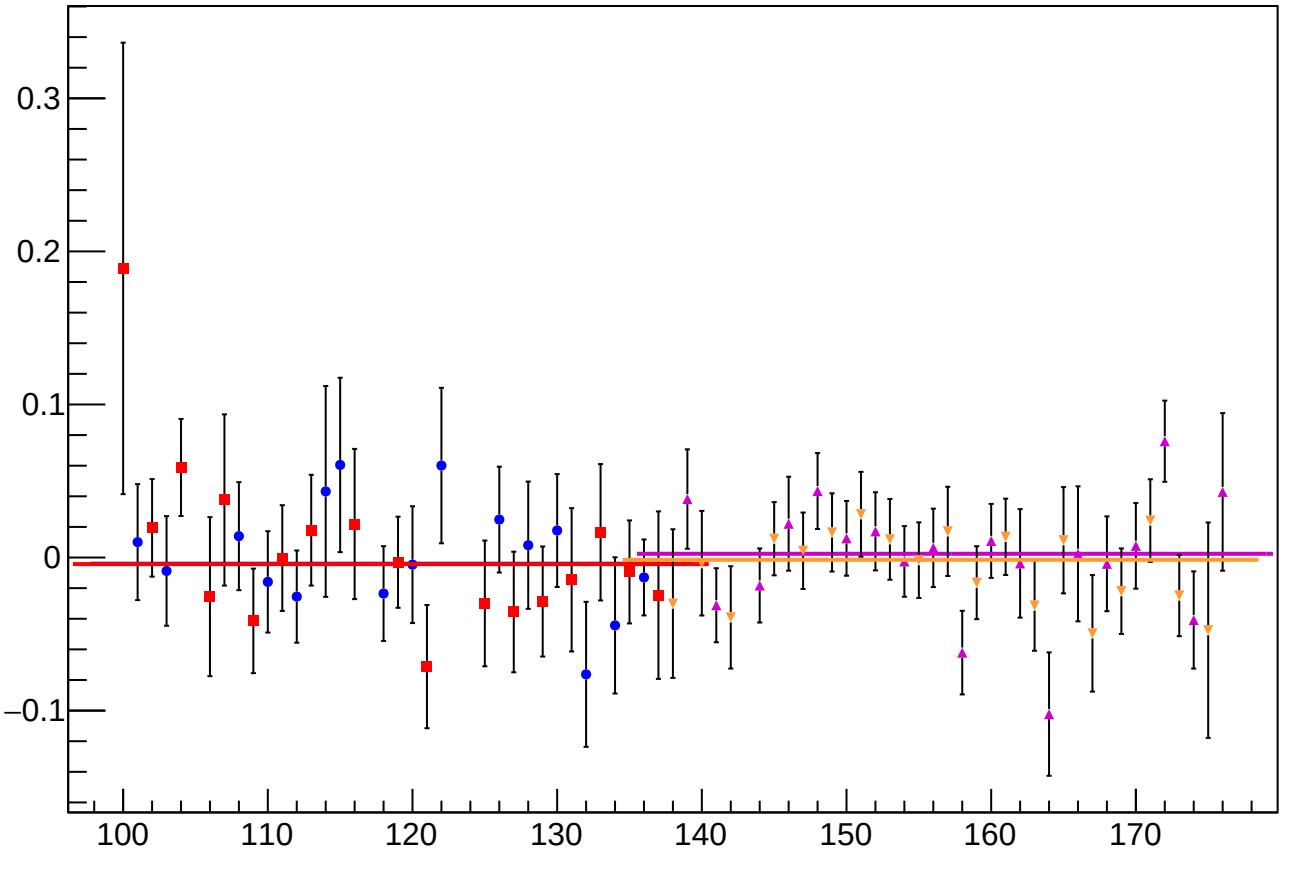
Left: 23.531+/-0.003 χ^2/NDF: 1533800.6/37

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

In: 23.505+/-0.004 χ^2/NDF:728057.7/34

Out: 23.528+/-0.004 χ^2/NDF:1194124.2/36

All: 23.516+/-0.003 χ^2/NDF: 1922201.6/71



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

Left In: 0.002+/-0.006 χ^2/NDF:30.3/18

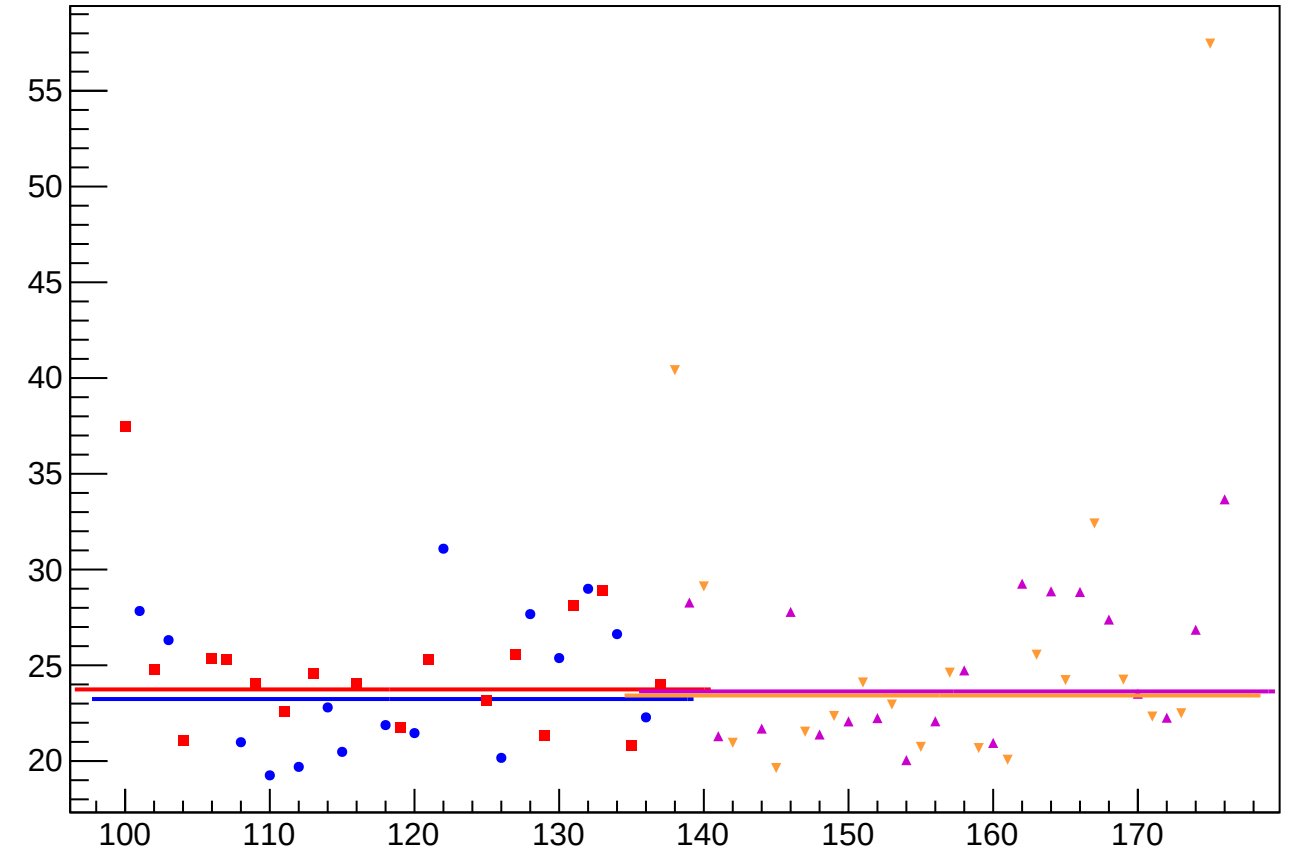
Left: 0.001+/-0.005 χ^2/NDF: 41.0/37

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 64.0/71



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066385.3/18

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

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

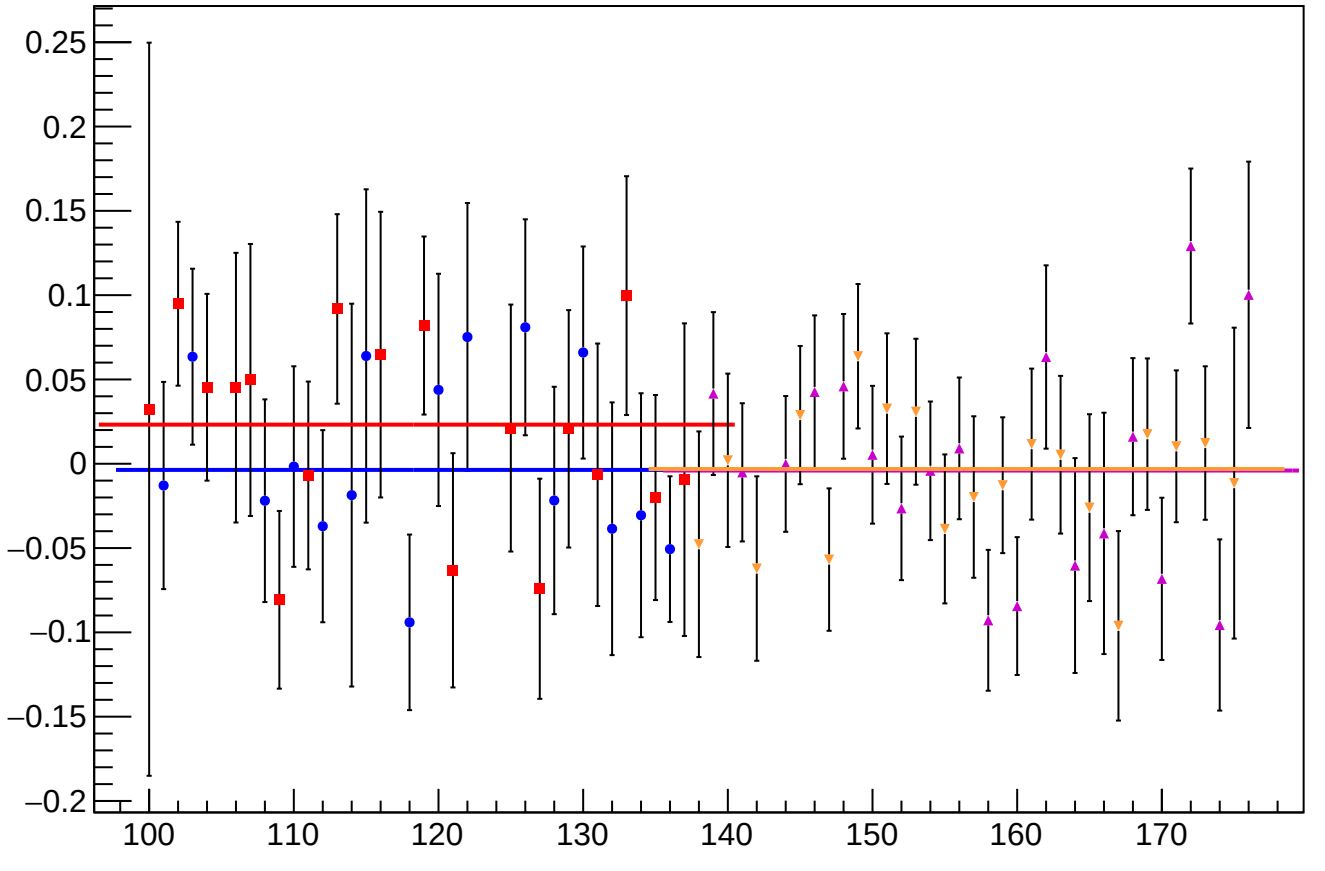
Left: 23.531+/-0.003 χ^2/NDF: 1533800.6/37

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

In: 23.505+/-0.004 χ^2/NDF:728057.7/34

Out: 23.528+/-0.004 χ^2/NDF:1194124.2/36

All: 23.516+/-0.003 χ^2/NDF: 1922201.6/71



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.8/18

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

Left In: -0.004+/-0.011 χ^2/NDF:30.1/18

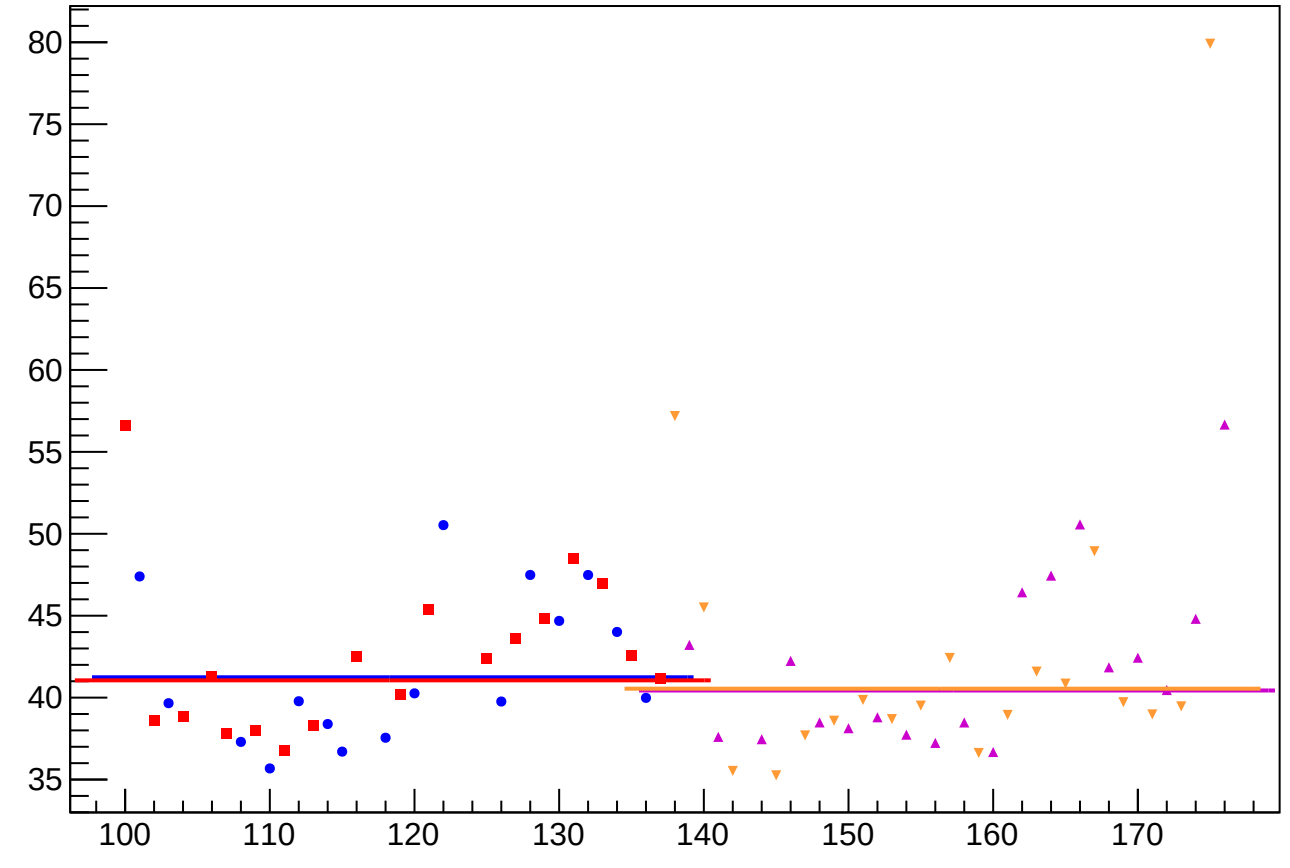
Left: -0.004+/-0.008 χ^2/NDF: 41.9/37

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.009 χ^2/NDF:41.7/34

Out: 0.006+/-0.009 χ^2/NDF:29.2/36

All: 0.001+/-0.006 χ^2/NDF: 71.5/71



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

Left Out: 40.546+/-0.008 χ^2/NDF:650016.8/18

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

Left In: 40.436+/-0.008 χ^2/NDF:278323.9/18

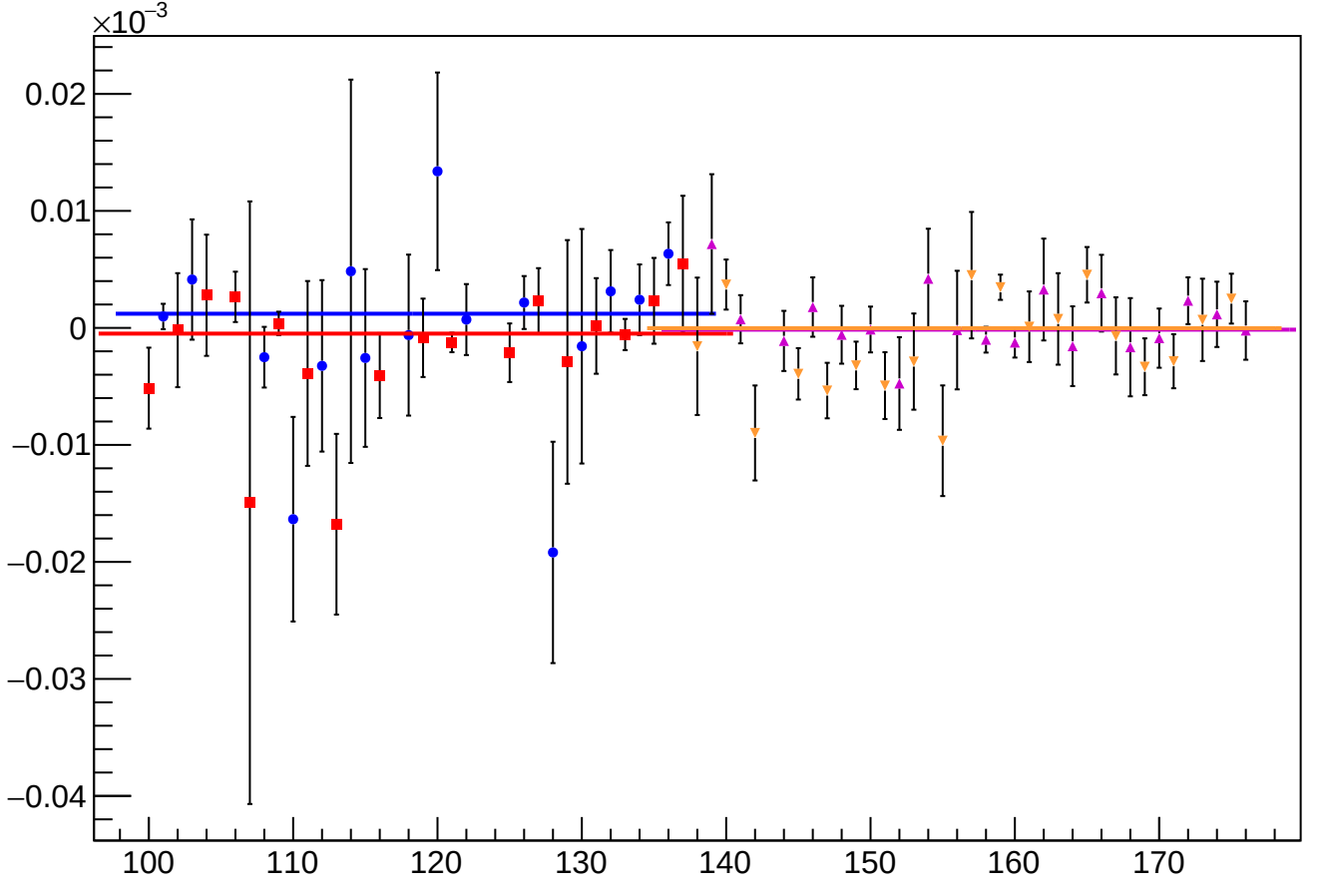
Left: 40.489+/-0.005 χ^2/NDF: 928445.2/37

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

In: 40.688+/-0.006 χ^2/NDF:417204.1/34

Out: 40.714+/-0.006 χ^2/NDF:748019.6/36

All: 40.701+/-0.004 χ^2/NDF: 1165232.1/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:46.0/18

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

Left In: -0.000+/-0.000 χ^2/NDF:9.8/18

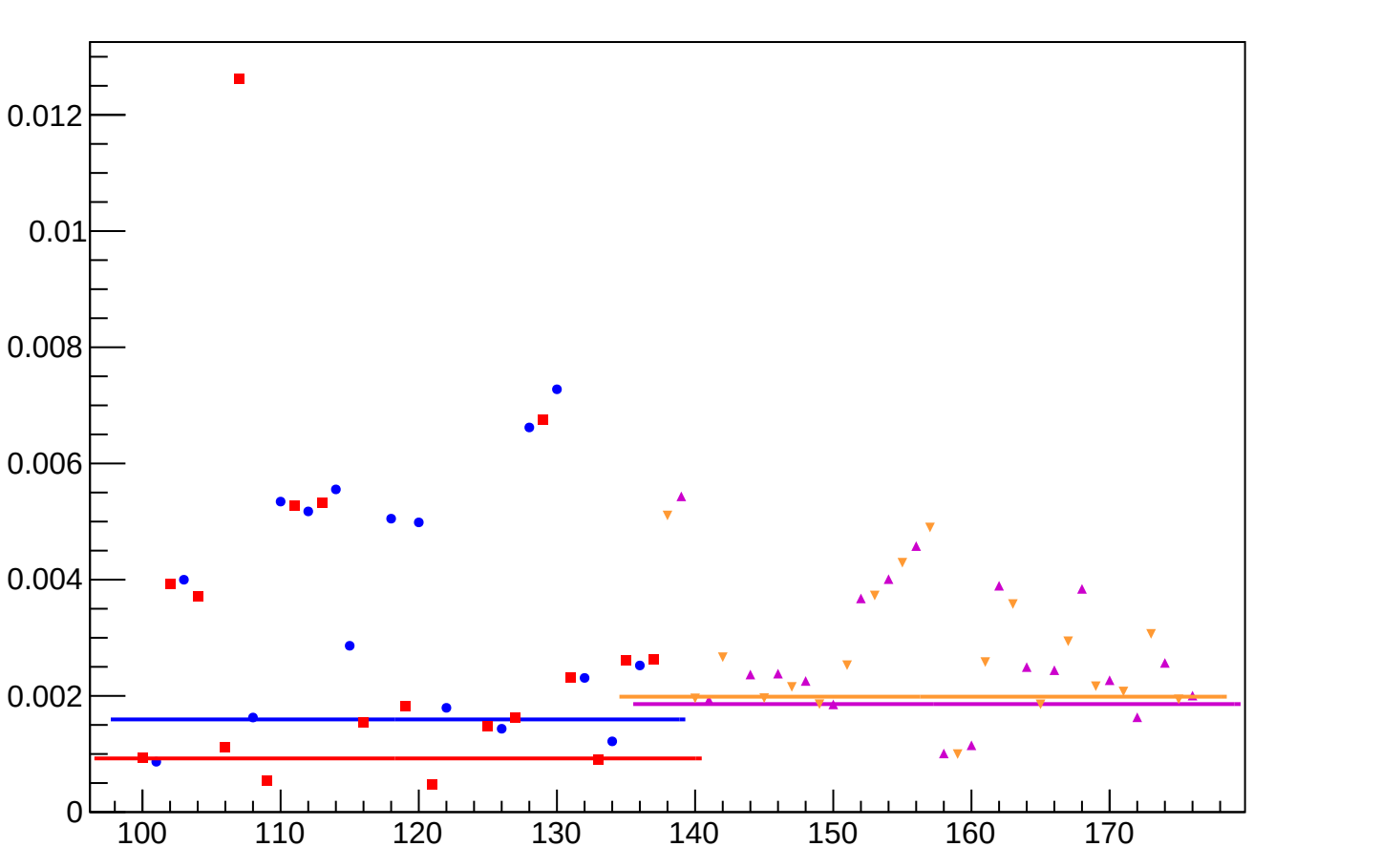
Left: -0.000+/-0.000 χ^2/NDF: 55.8/37

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:30.4/34

Out: -0.000+/-0.000 χ^2/NDF:61.4/36

All: -0.000+/-0.000 χ^2/NDF: 92.8/71



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

Left Out: 0.002+/-0.000 χ^2/NDF:4594265.8/18

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

Left In: 0.002+/-0.000 χ^2/NDF:5469396.3/18

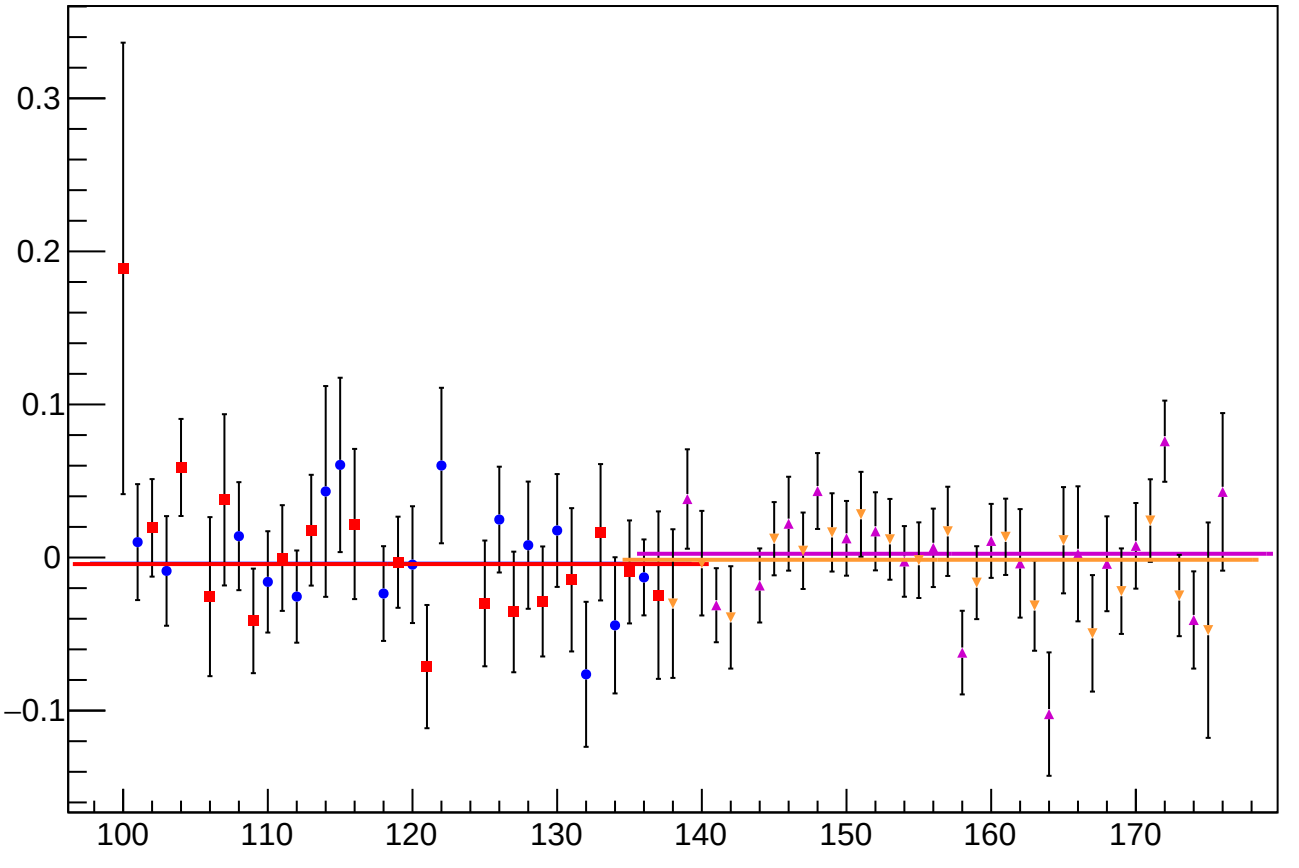
Left: 0.002+/-0.000 χ^2/NDF: 10117871.7/37

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

In: 0.002+/-0.000 χ^2/NDF:10396749.9/34

Out: 0.001+/-0.000 χ^2/NDF:14380118.0/36

All: 0.002+/-0.000 χ^2/NDF: 25671037.4/71



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

Left In: 0.002+/-0.006 χ^2/NDF:30.3/18

Left: 0.001+/-0.005 χ^2/NDF: 41.0/37

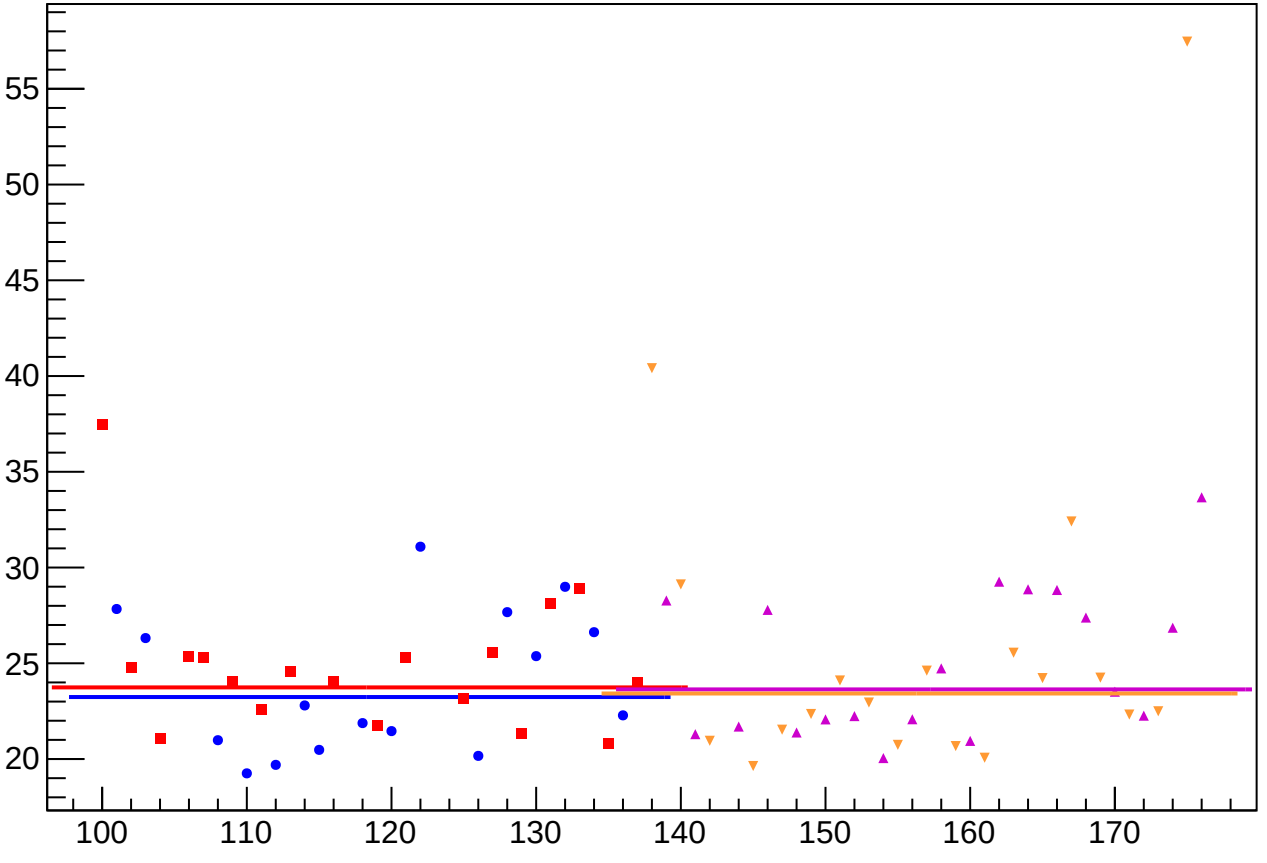
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 64.0/71

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066408.0/18

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

Left In: 23.636+/-0.005 χ^2/NDF:466289.4/18

Left: 23.531+/-0.003 χ^2/NDF: 1533765.1/37

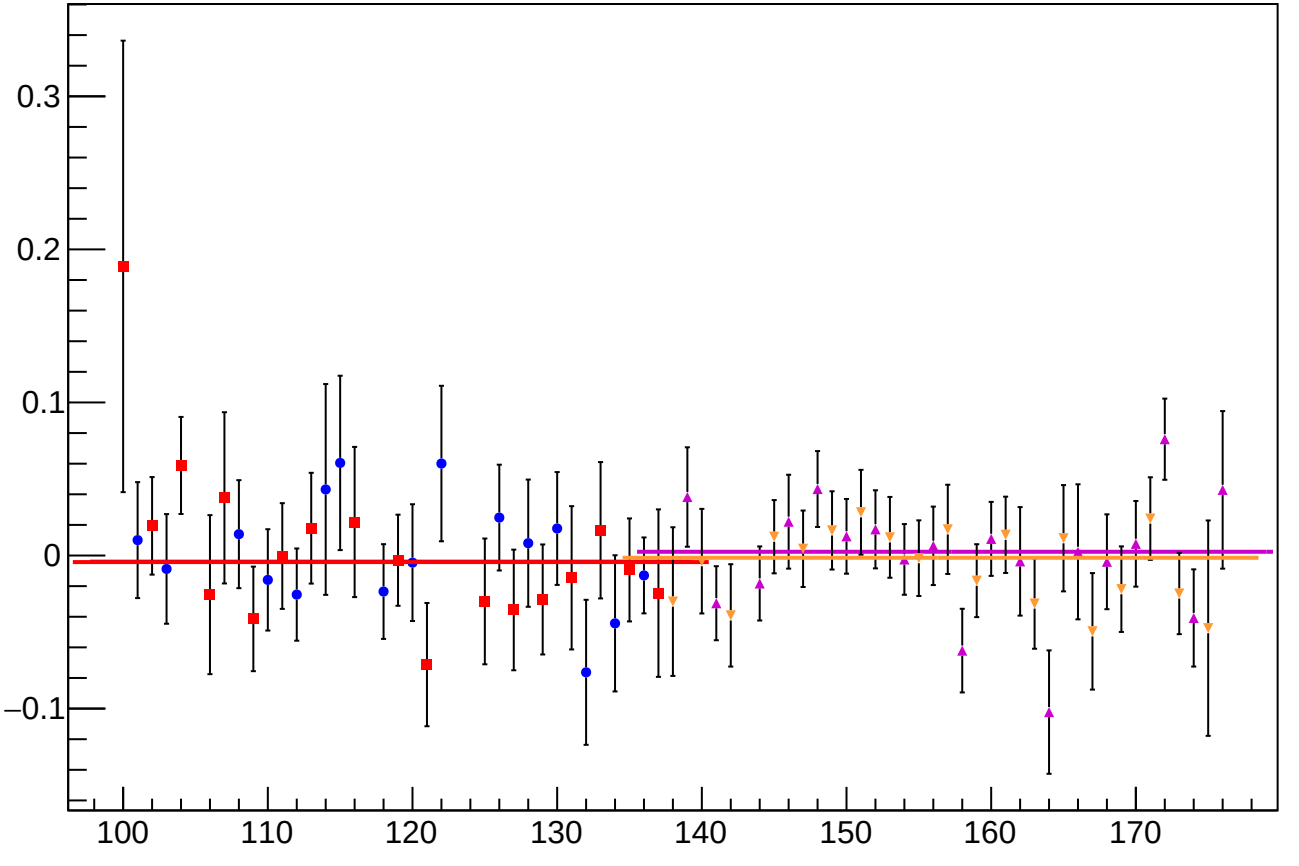
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.505+/-0.004 χ^2/NDF:727997.7/34

Out: 23.528+/-0.004 χ^2/NDF:1194097.8/36

All: 23.516+/-0.003 χ^2/NDF: 1922115.5/71

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.5/18

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

Left In: 0.002+/-0.006 χ^2/NDF:30.3/18

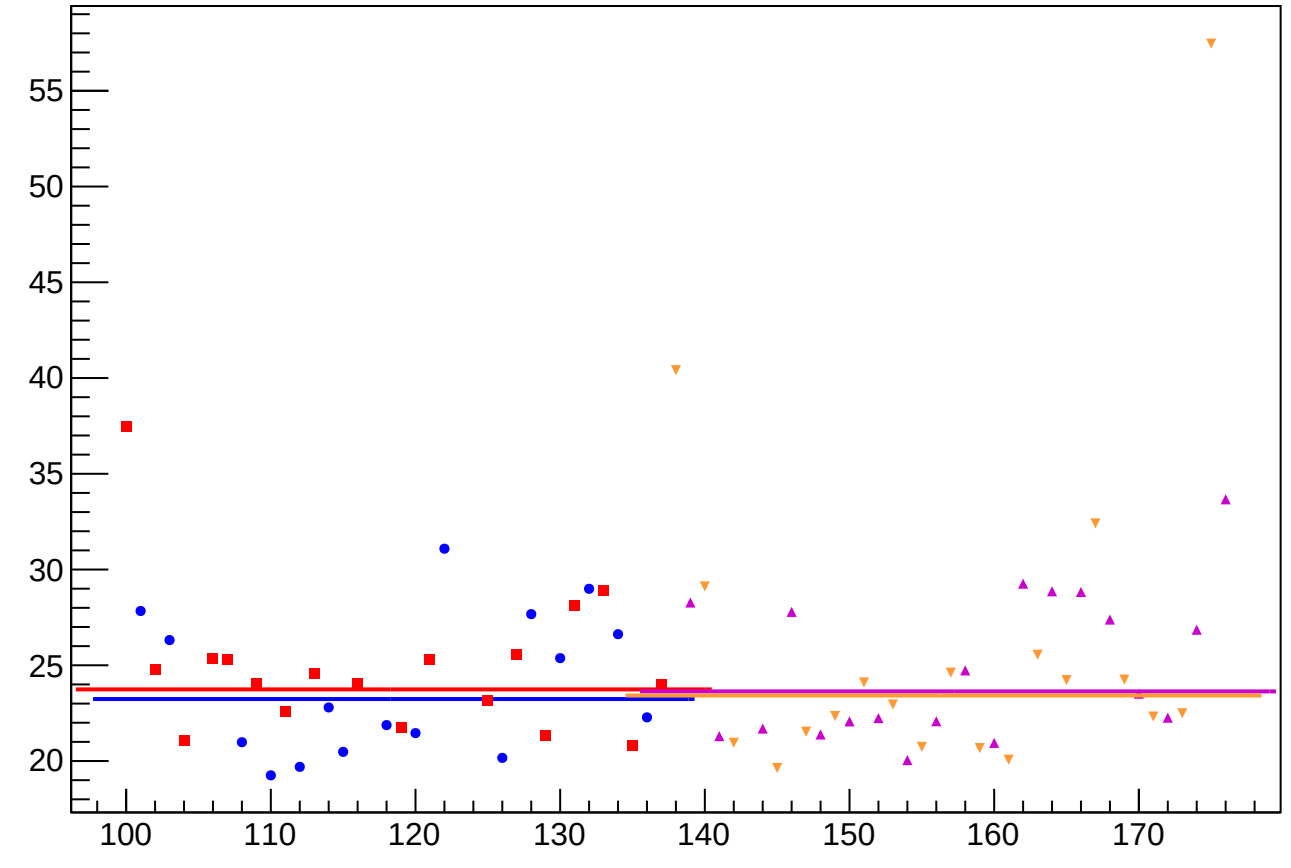
Left: 0.001+/-0.005 χ^2/NDF: 41.0/37

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.0/36

All: -0.001+/-0.004 χ^2/NDF: 64.0/71



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

Left Out: 23.422+/-0.005 χ^2/NDF:1066408.0/18

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

Left In: 23.636+/-0.005 χ^2/NDF:466289.4/18

Left: 23.531+/-0.003 χ^2/NDF: 1533765.1/37

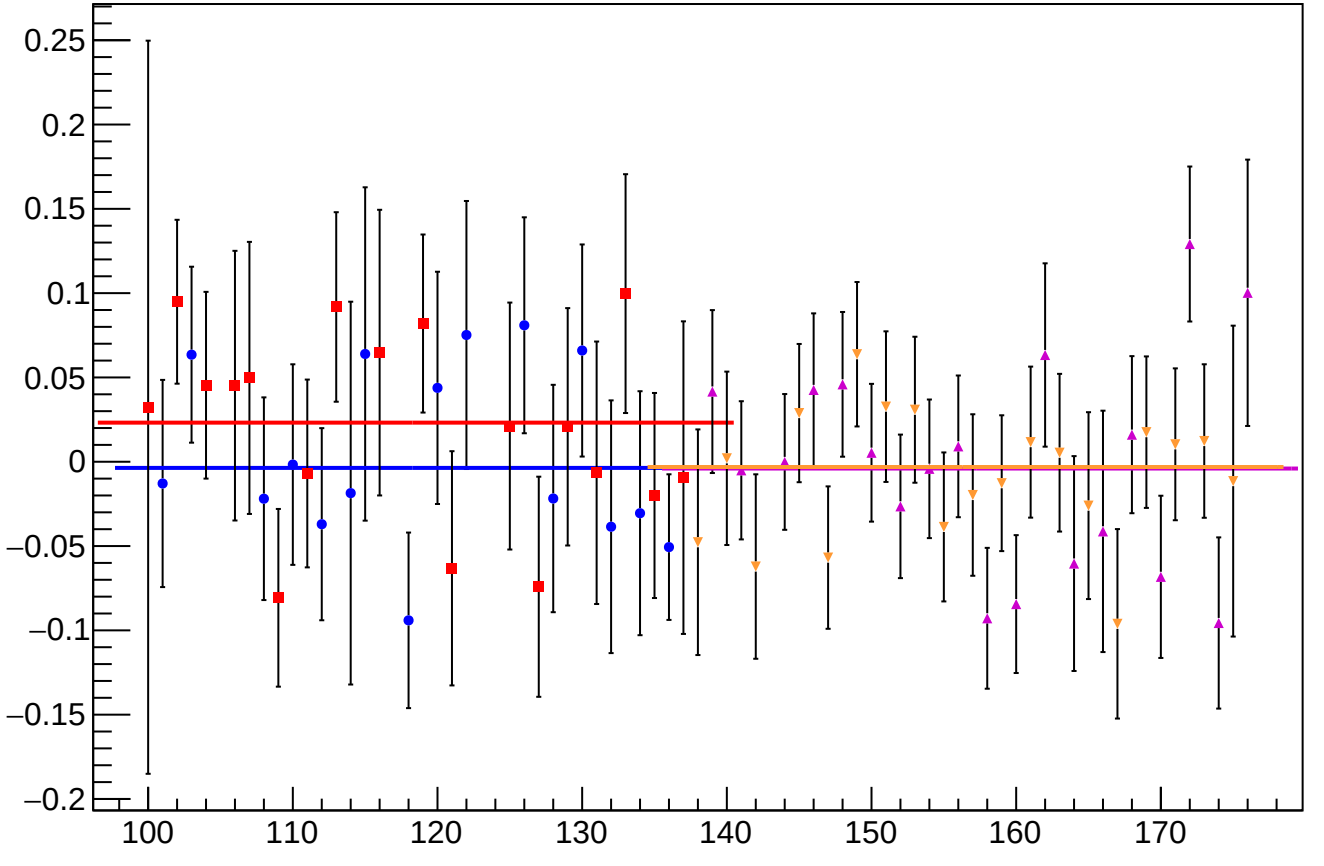
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.505+/-0.004 χ^2/NDF:727997.7/34

Out: 23.528+/-0.004 χ^2/NDF:1194097.8/36

All: 23.516+/-0.003 χ^2/NDF: 1922115.5/71

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: -0.003+/-0.011 χ^2/NDF:11.8/18

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

Left In: -0.004+/-0.011 χ^2/NDF:30.1/18

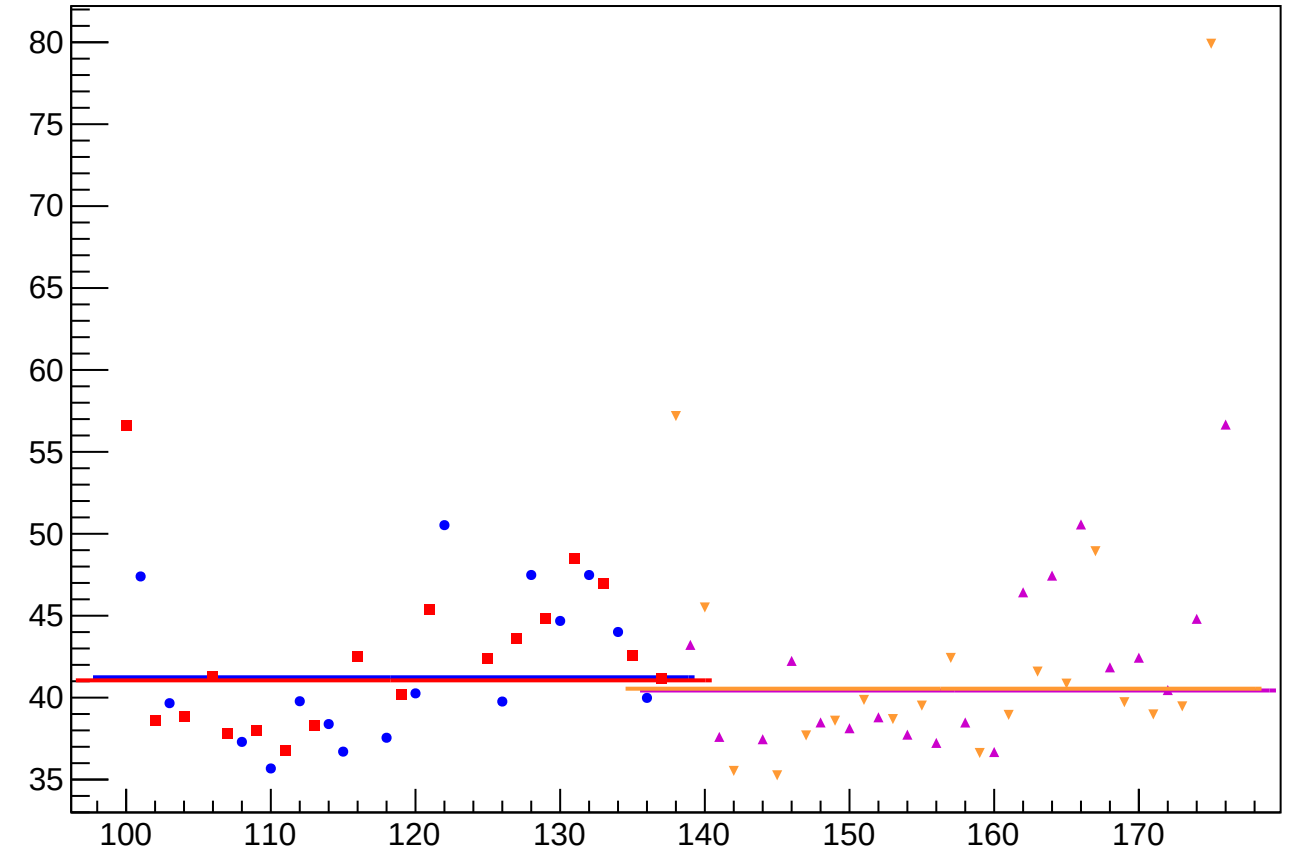
Left: -0.004+/-0.008 χ^2/NDF: 41.9/37

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.009 χ^2/NDF:41.7/34

Out: 0.006+/-0.009 χ^2/NDF:29.2/36

All: 0.001+/-0.006 χ^2/NDF: 71.5/71



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

Left Out: 40.546+/-0.008 χ^2/NDF:650018.7/18

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

Left In: 40.436+/-0.008 χ^2/NDF:278326.3/18

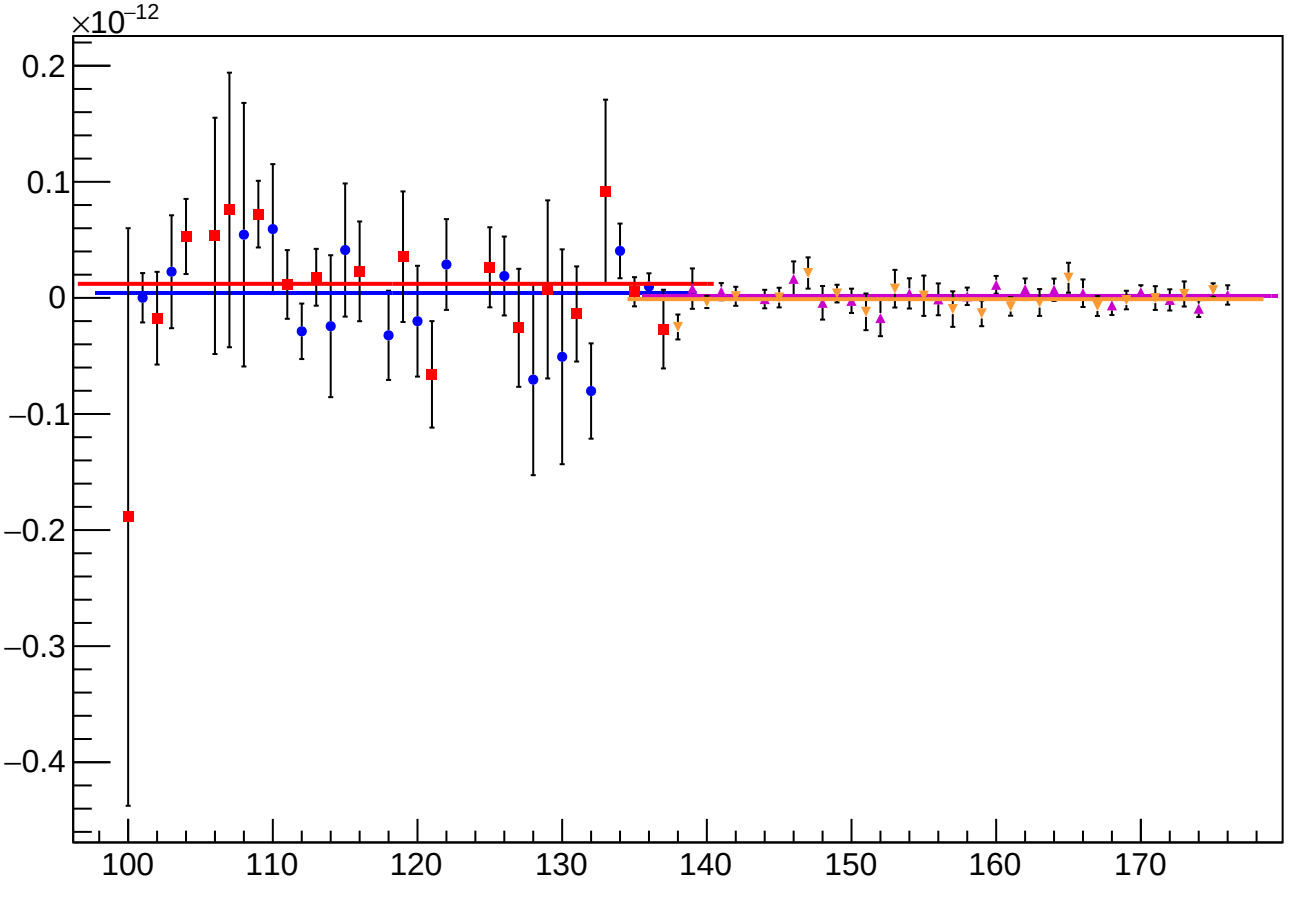
Left: 40.490+/-0.005 χ^2/NDF: 928449.4/37

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

In: 40.688+/-0.006 χ^2/NDF:417181.1/34

Out: 40.714+/-0.006 χ^2/NDF:748009.7/36

All: 40.701+/-0.004 χ^2/NDF: 1165199.2/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/18

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

Left In: 0.000+/-0.000 χ^2/NDF:9.3/18

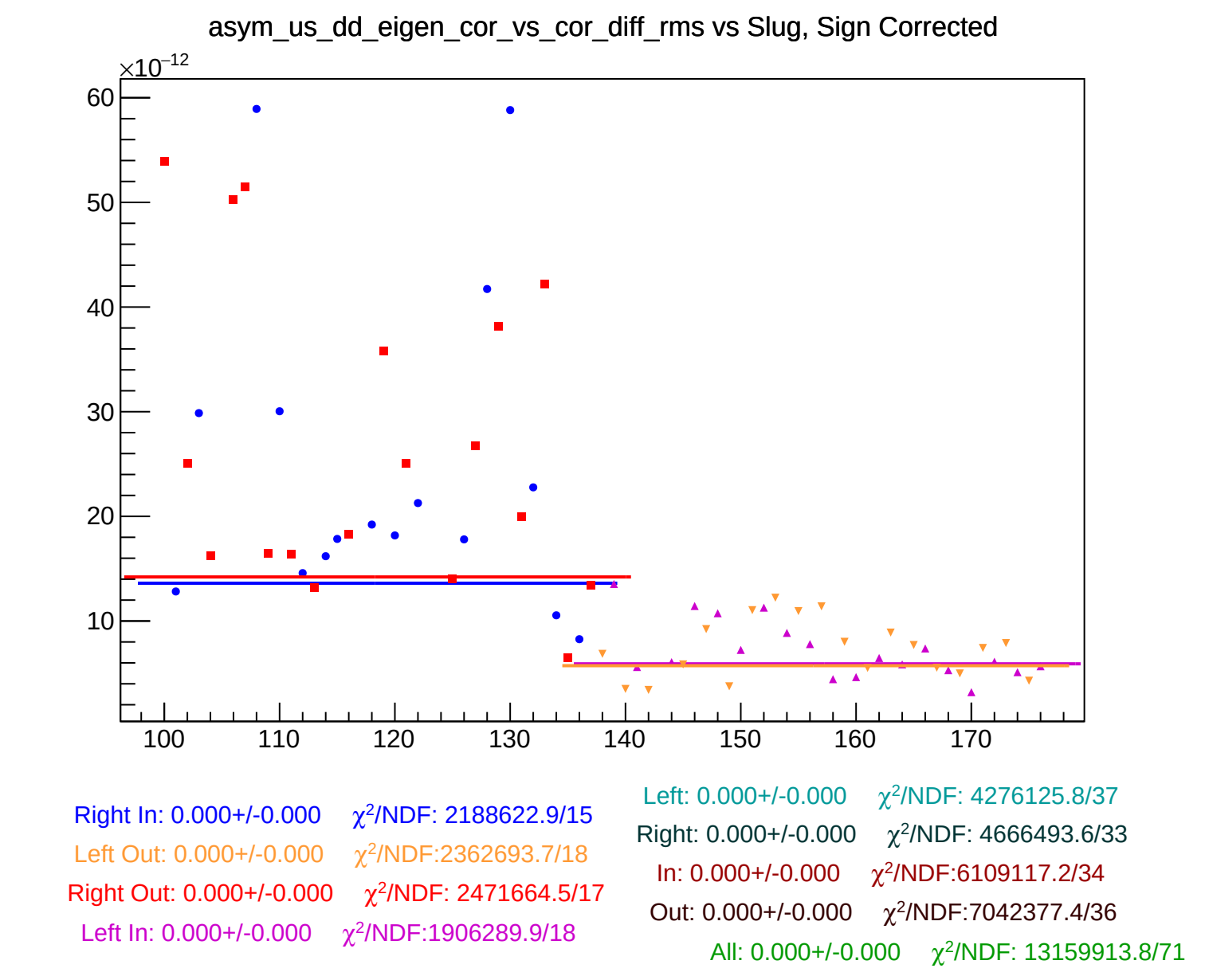
Left: 0.000+/-0.000 χ^2/NDF: 26.1/37

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

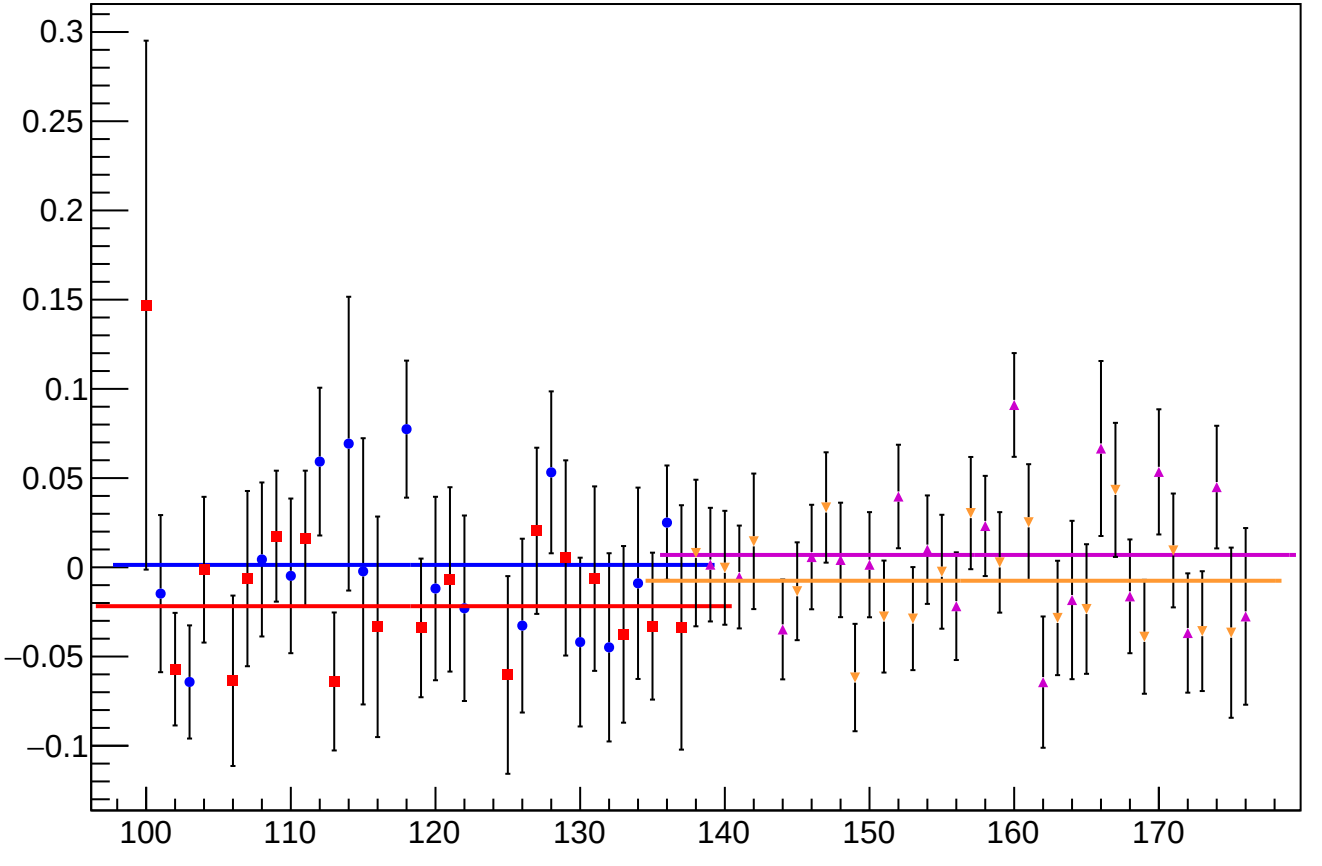
In: 0.000+/-0.000 χ^2/NDF:23.1/34

Out: -0.000+/-0.000 χ^2/NDF:33.2/36

All: 0.000+/-0.000 χ^2/NDF: 56.8/71


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:2362693.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1906289.9/18
Left: 0.000+/-0.000 χ²/NDF: 4276125.8/37
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6109117.2/34
Out: 0.000+/-0.000 χ²/NDF:7042377.4/36
All: 0.000+/-0.000 χ²/NDF: 13159913.8/71

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.008+/-0.007 χ^2/NDF:13.9/18

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

Left In: 0.007+/-0.007 χ^2/NDF:24.6/18

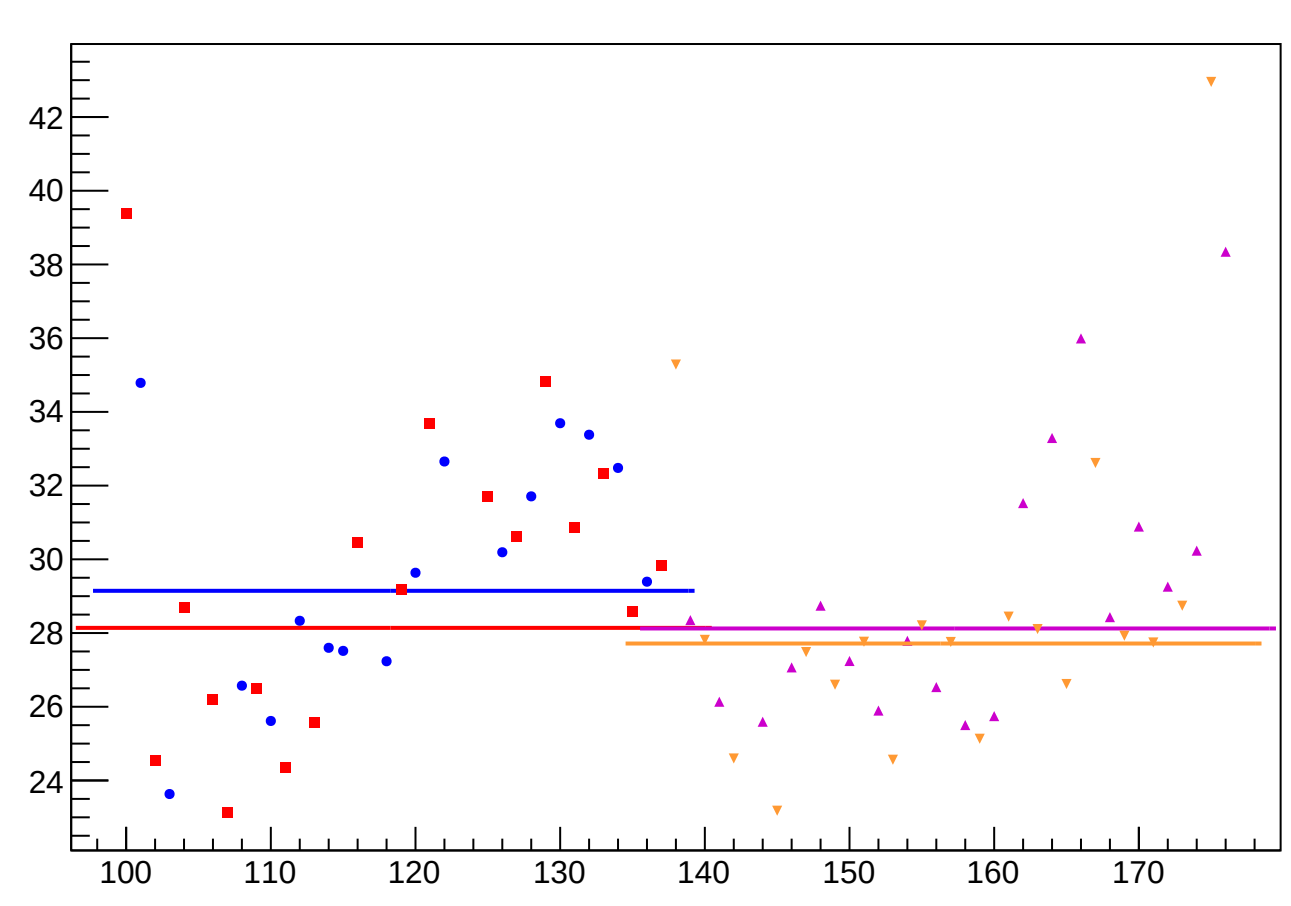
Left: -0.000+/-0.005 χ^2/NDF: 40.5/37

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

In: 0.005+/-0.006 χ^2/NDF:40.1/34

Out: -0.012+/-0.006 χ^2/NDF:24.2/36

All: -0.004+/-0.004 χ^2/NDF: 68.2/71



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

Left Out: 27.716+/-0.005 χ^2/NDF:423454.4/18

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

Left In: 28.124+/-0.005 χ^2/NDF:282952.8/18

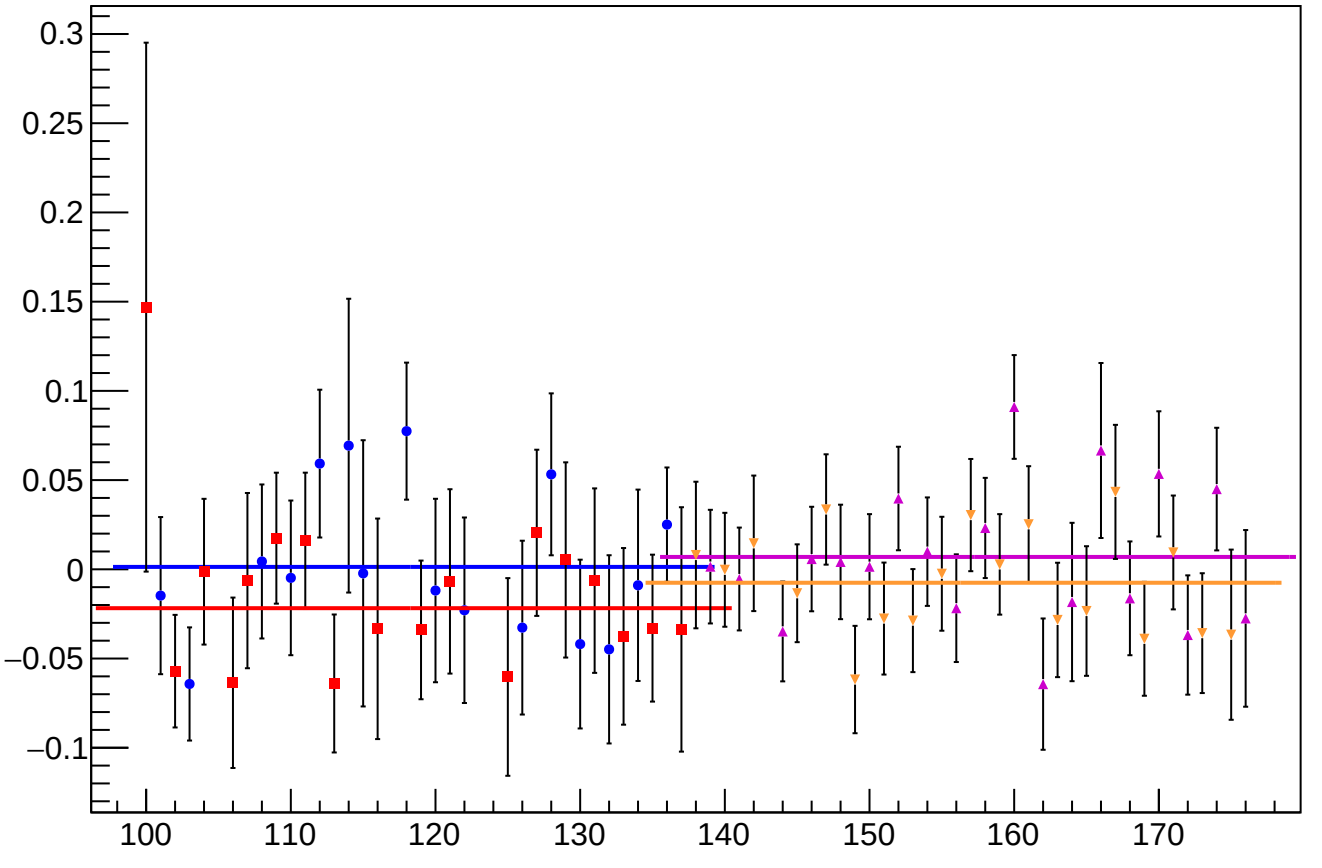
Left: 27.921+/-0.004 χ^2/NDF: 709411.4/37

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

In: 28.435+/-0.004 χ^2/NDF:471402.0/34

Out: 27.853+/-0.004 χ^2/NDF:612652.8/36

All: 28.142+/-0.003 χ^2/NDF: 1092944.1/71



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

Left Out: -0.008+/-0.007 χ^2/NDF:13.9/18

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

Left In: 0.007+/-0.007 χ^2/NDF:24.6/18

Left: -0.000+/-0.005 χ^2/NDF: 40.5/37

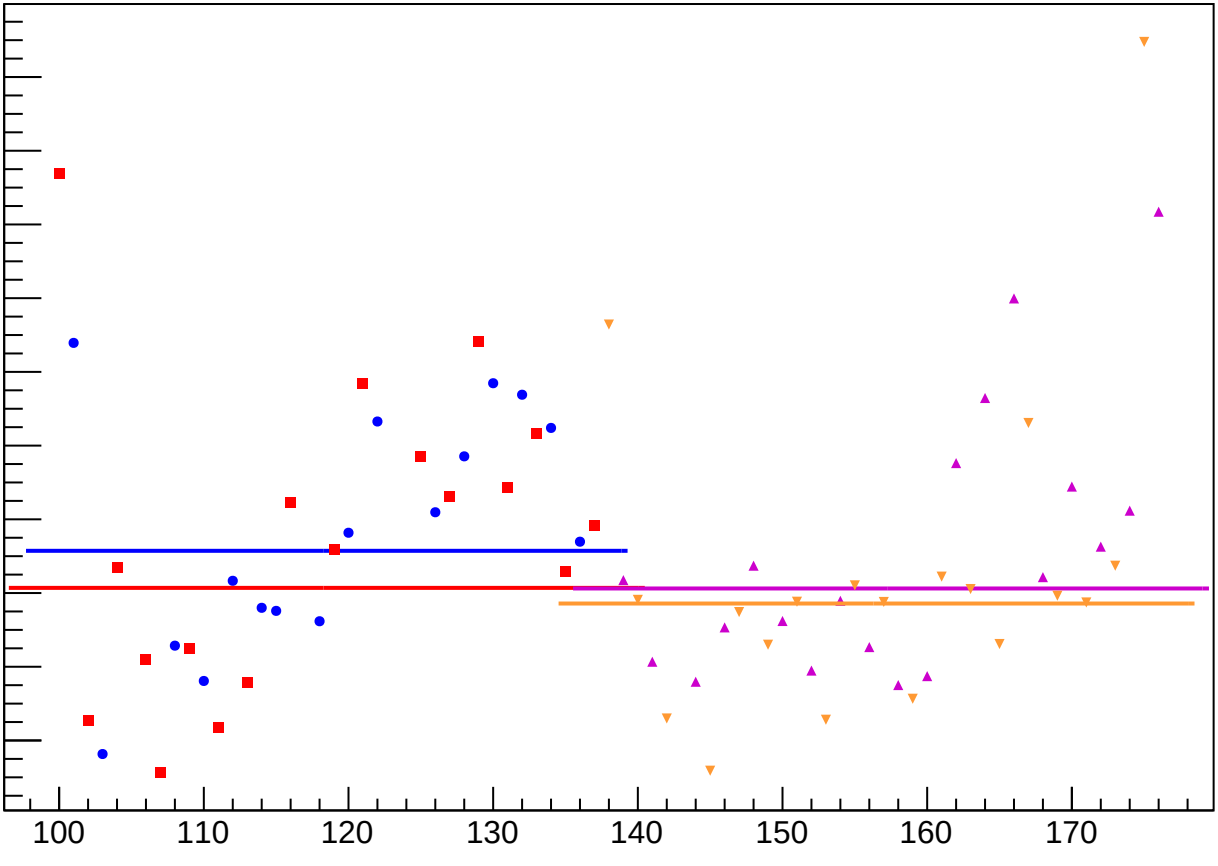
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.1/34

Out: -0.012+/-0.006 χ^2/NDF:24.2/36

All: -0.004+/-0.004 χ^2/NDF: 68.2/71

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: 27.716+/-0.005 χ^2/NDF:423454.4/18

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

Left In: 28.124+/-0.005 χ^2/NDF:282952.8/18

Left: 27.921+/-0.004 χ^2/NDF: 709411.4/37

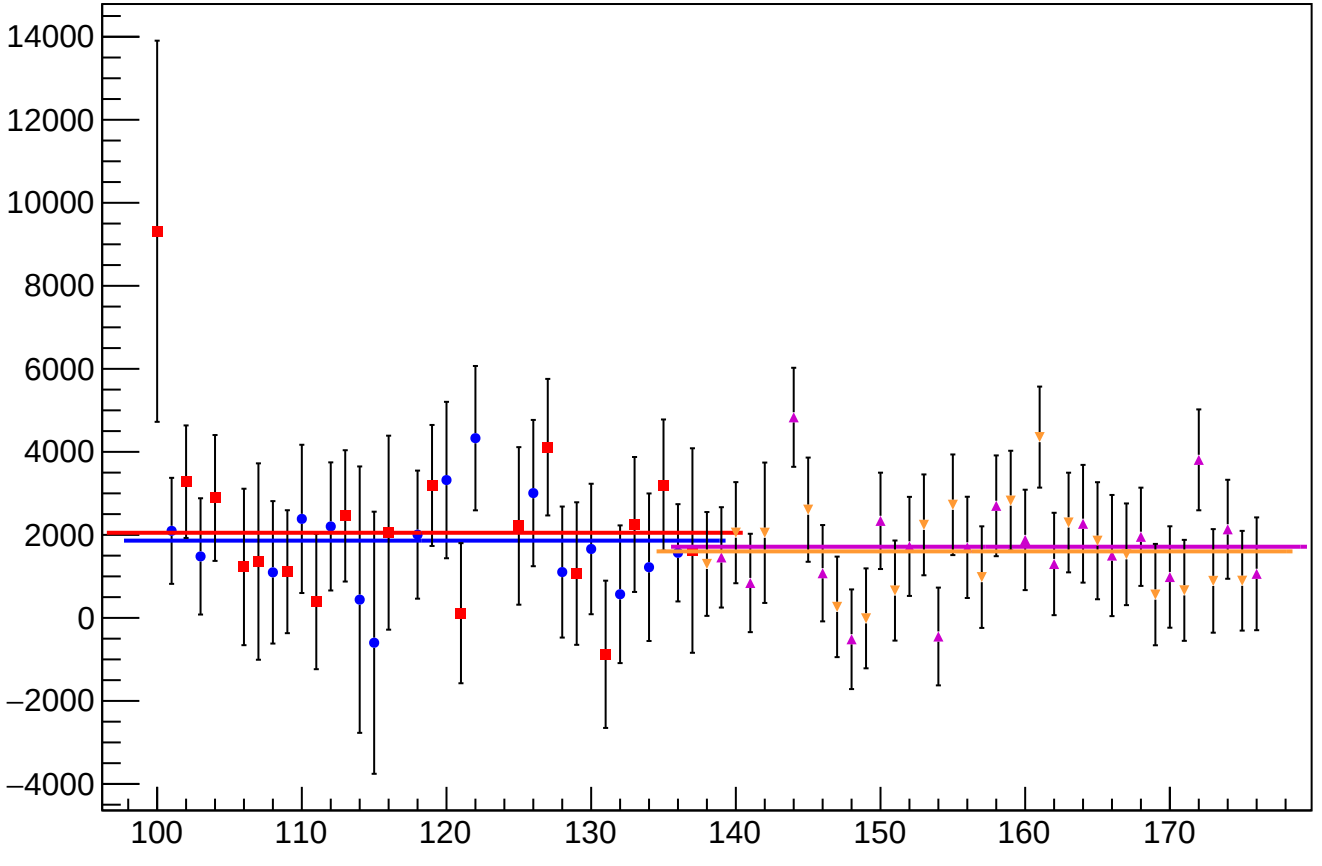
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.435+/-0.004 χ^2/NDF:471402.0/34

Out: 27.853+/-0.004 χ^2/NDF:612652.8/36

All: 28.142+/-0.003 χ^2/NDF: 1092944.1/71

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

Left In: 1714.454+/-280.981 χ^2/NDF:19.5/18

Left: 1659.421+/-200.148 χ^2/NDF: 34.0/37

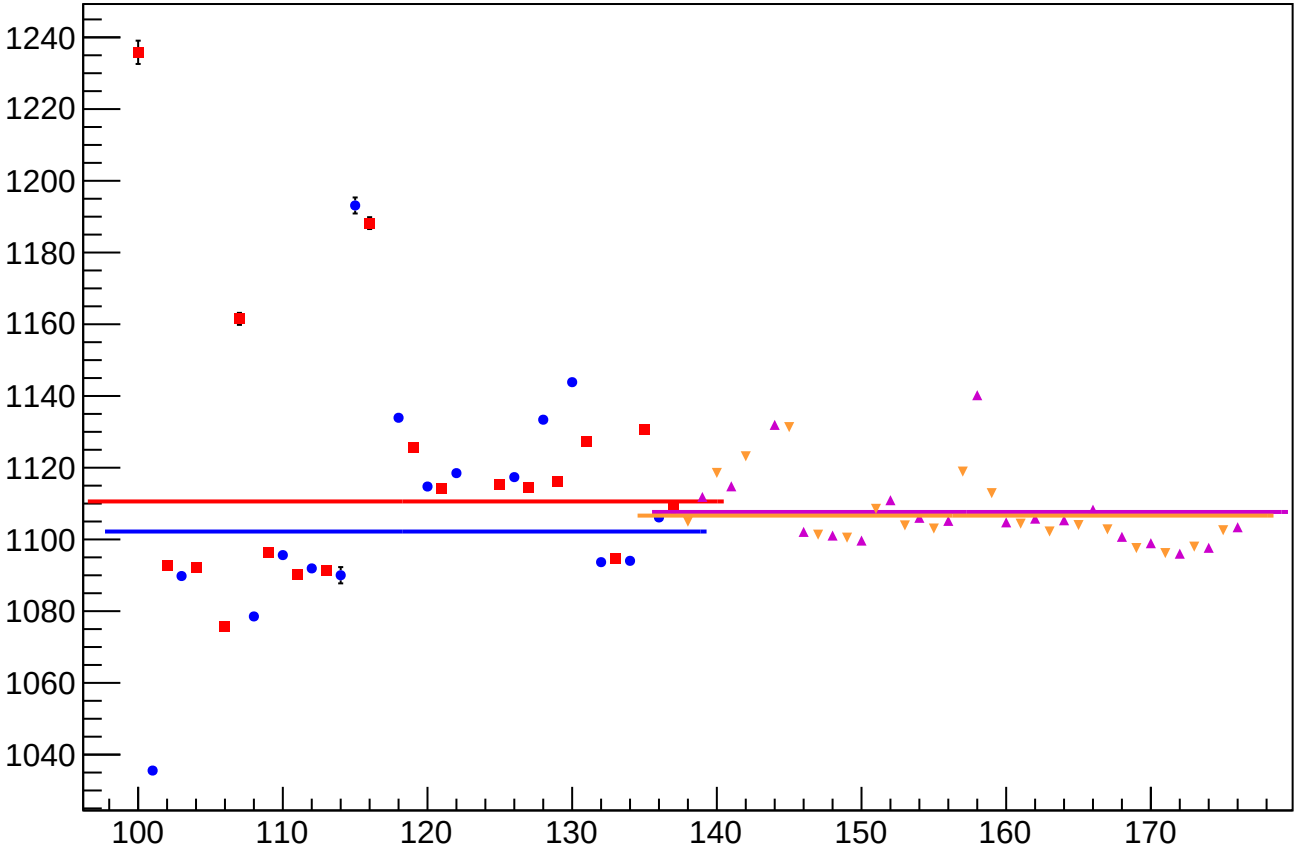
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1761.528+/-231.690 χ^2/NDF:24.9/34

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1755.423+/-164.629 χ^2/NDF: 52.7/71

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

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

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

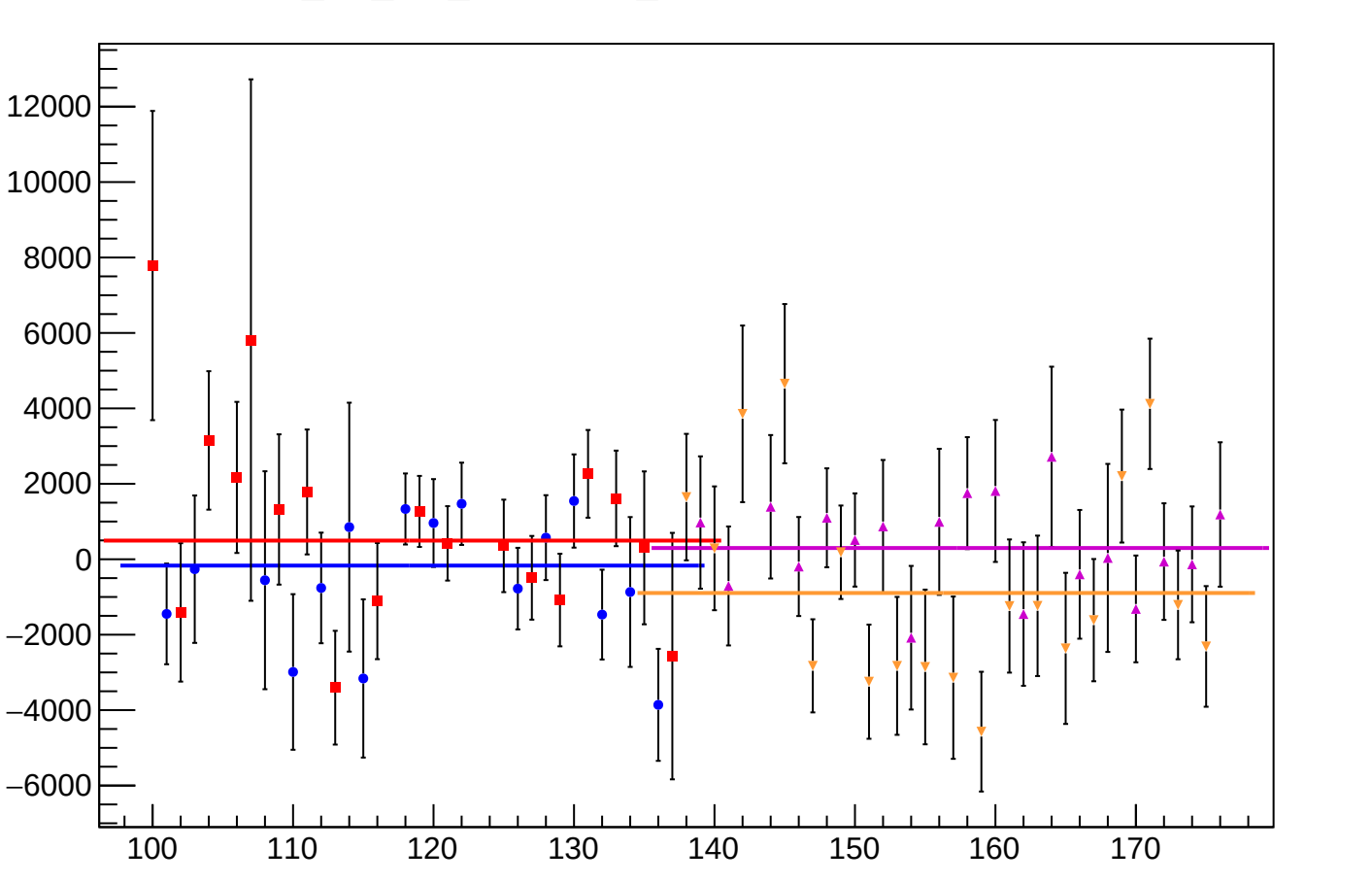
Left: 1107.159+/-0.142 χ^2/NDF: 5115.3/37

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

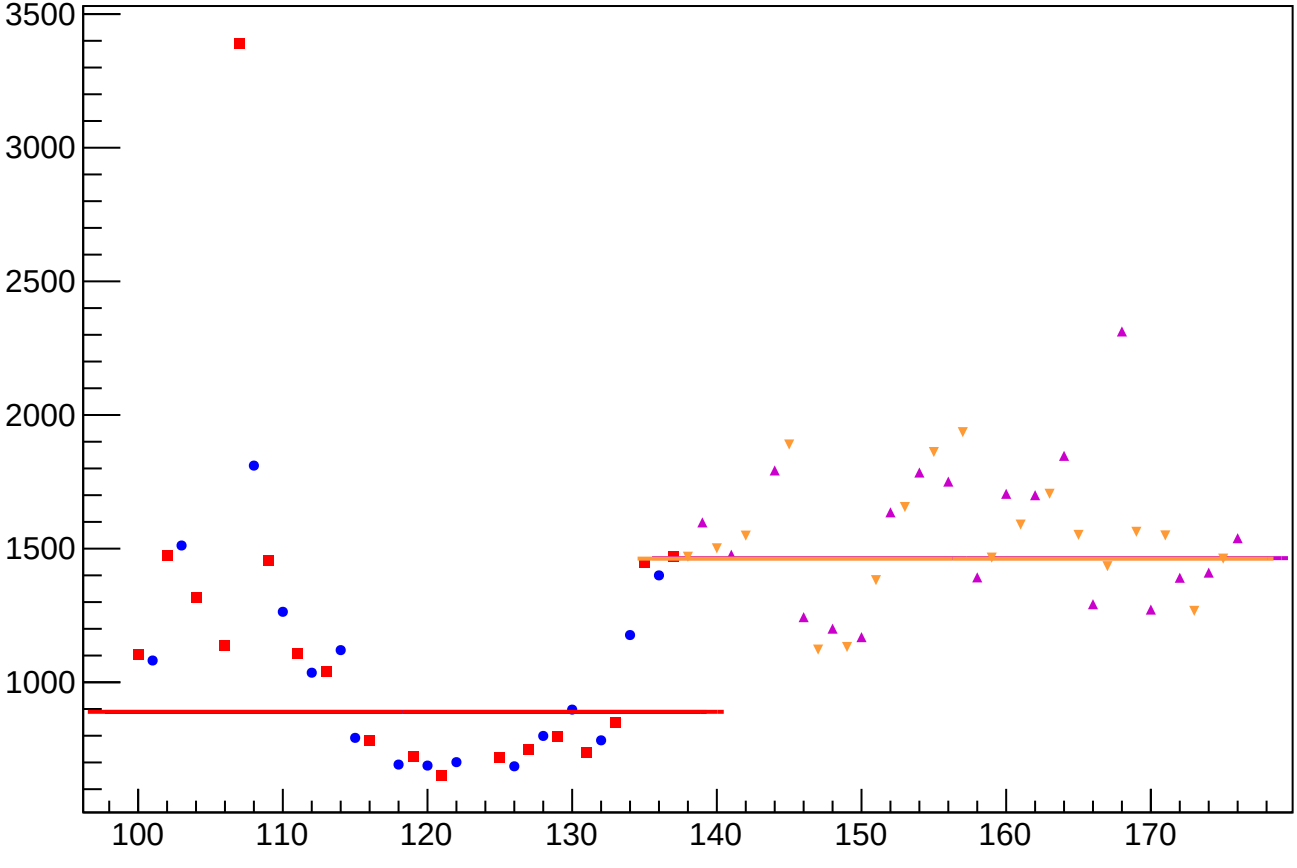
In: 1105.912+/-0.164 χ^2/NDF:14717.6/34

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -894.467+/-383.584 χ²/NDF:41.1/18
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 297.967+/-378.172 χ²/NDF:8.5/18
Left: -289.779+/-269.301 χ²/NDF: 54.5/37
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 44.009+/-255.052 χ²/NDF:30.4/34
Out: -126.369+/-256.534 χ²/NDF:71.7/36
All: -40.687+/-180.871 χ²/NDF: 102.2/71

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

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

Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

Left: 1463.536+/-0.190 χ^2/NDF: 1538603.9/37

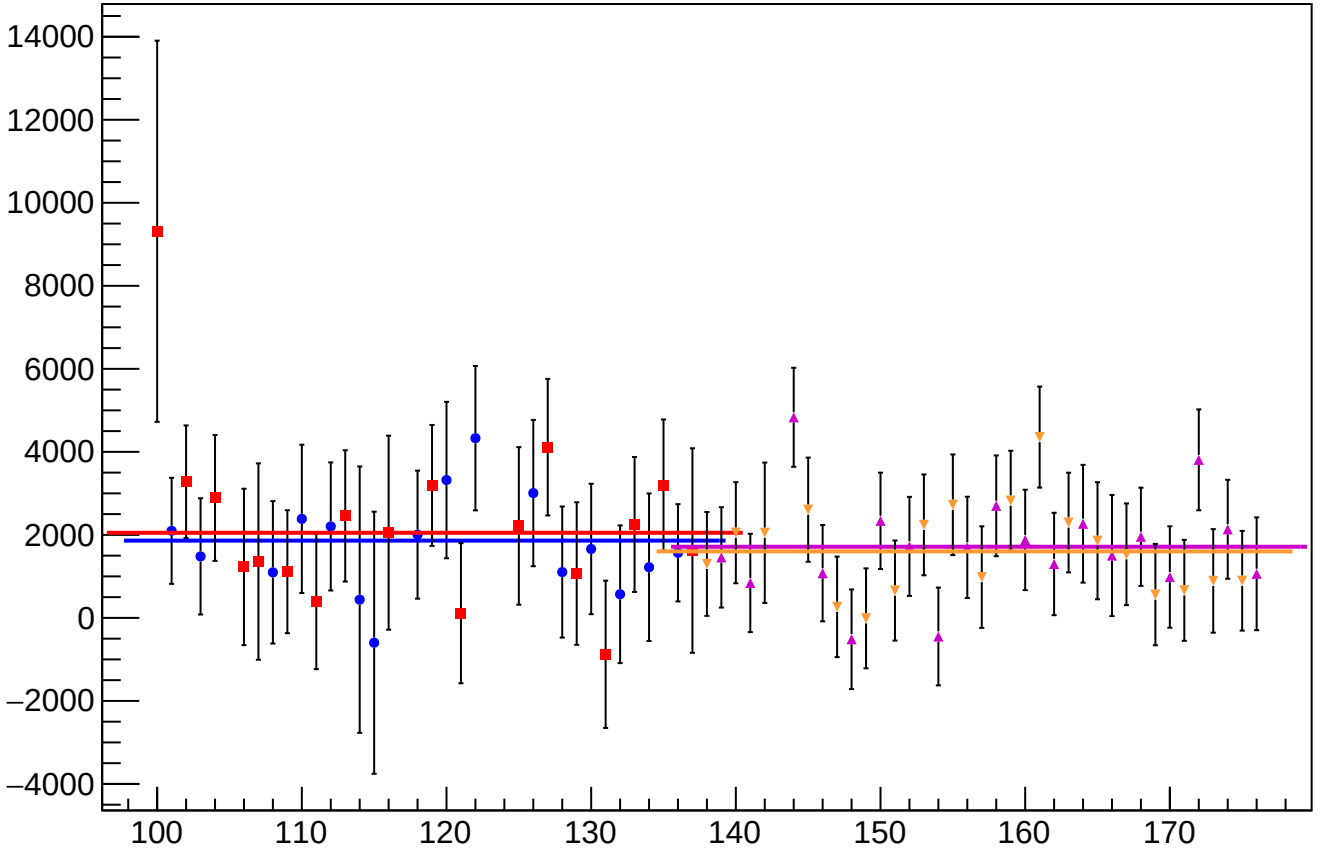
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1150.709+/-0.180 χ^2/NDF:4518260.5/34

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

Left In: 1714.454+/-280.981 χ^2/NDF:19.5/18

Left: 1659.421+/-200.148 χ^2/NDF: 34.0/37

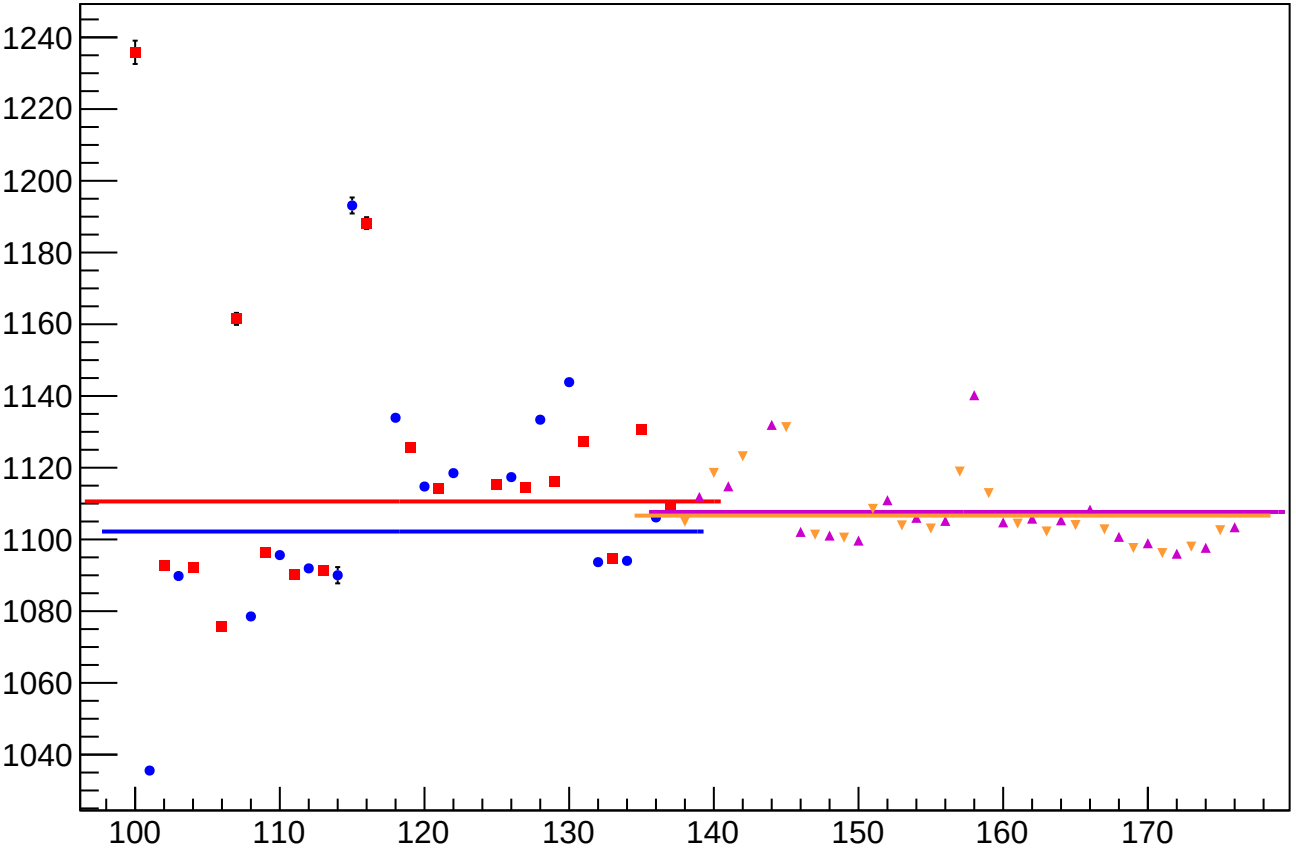
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1761.528+/-231.690 χ^2/NDF:24.9/34

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1755.423+/-164.629 χ^2/NDF: 52.7/71

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

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

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

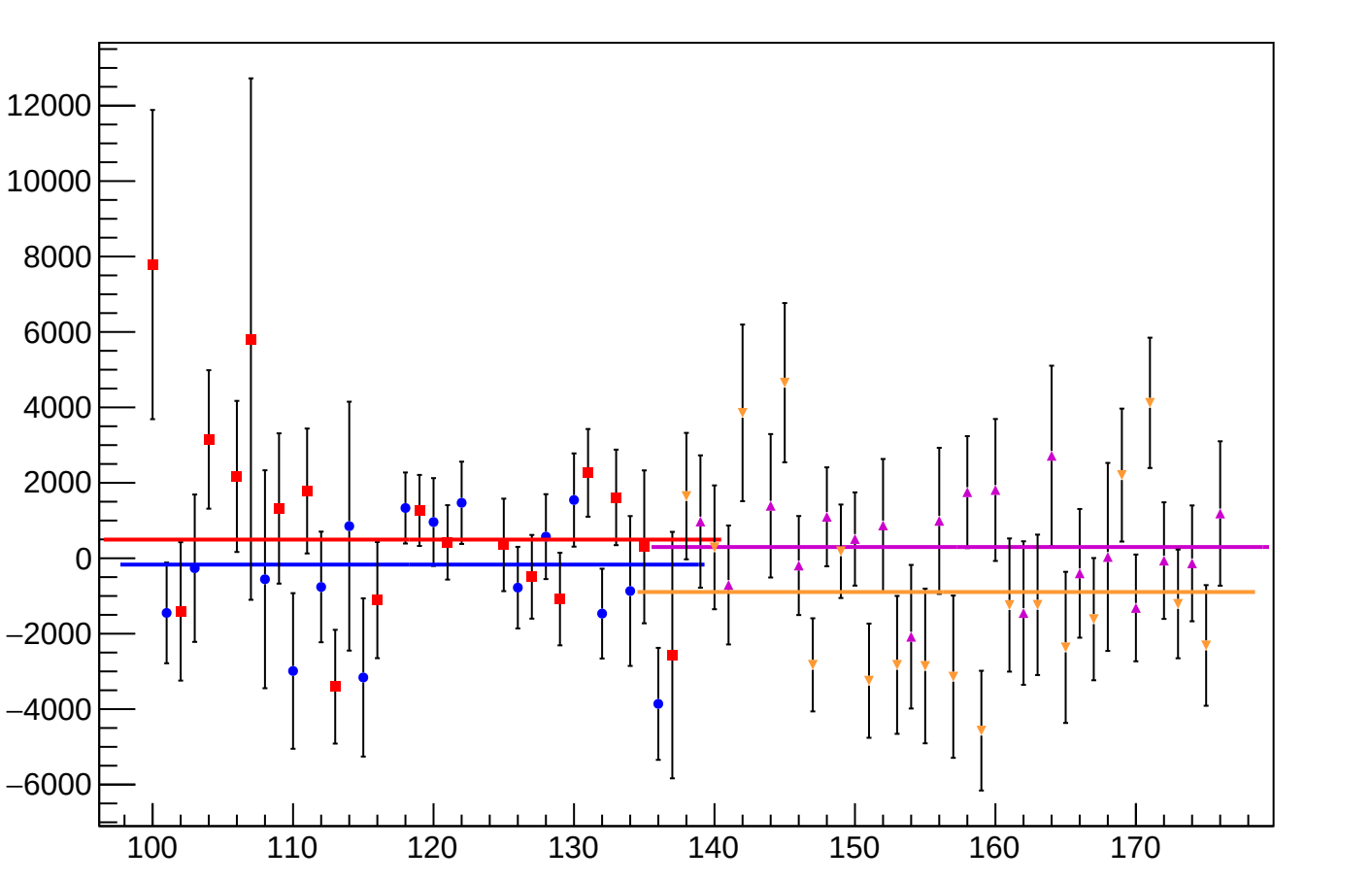
Left: 1107.159+/-0.142 χ^2/NDF: 5115.3/37

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

In: 1105.912+/-0.164 χ^2/NDF:14717.6/34

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71



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

Left Out: -894.467+/-383.584 χ^2/NDF:41.1/18

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

Left In: 297.967+/-378.172 χ^2/NDF:8.5/18

Left: -289.779+/-269.301 χ^2/NDF: 54.5/37

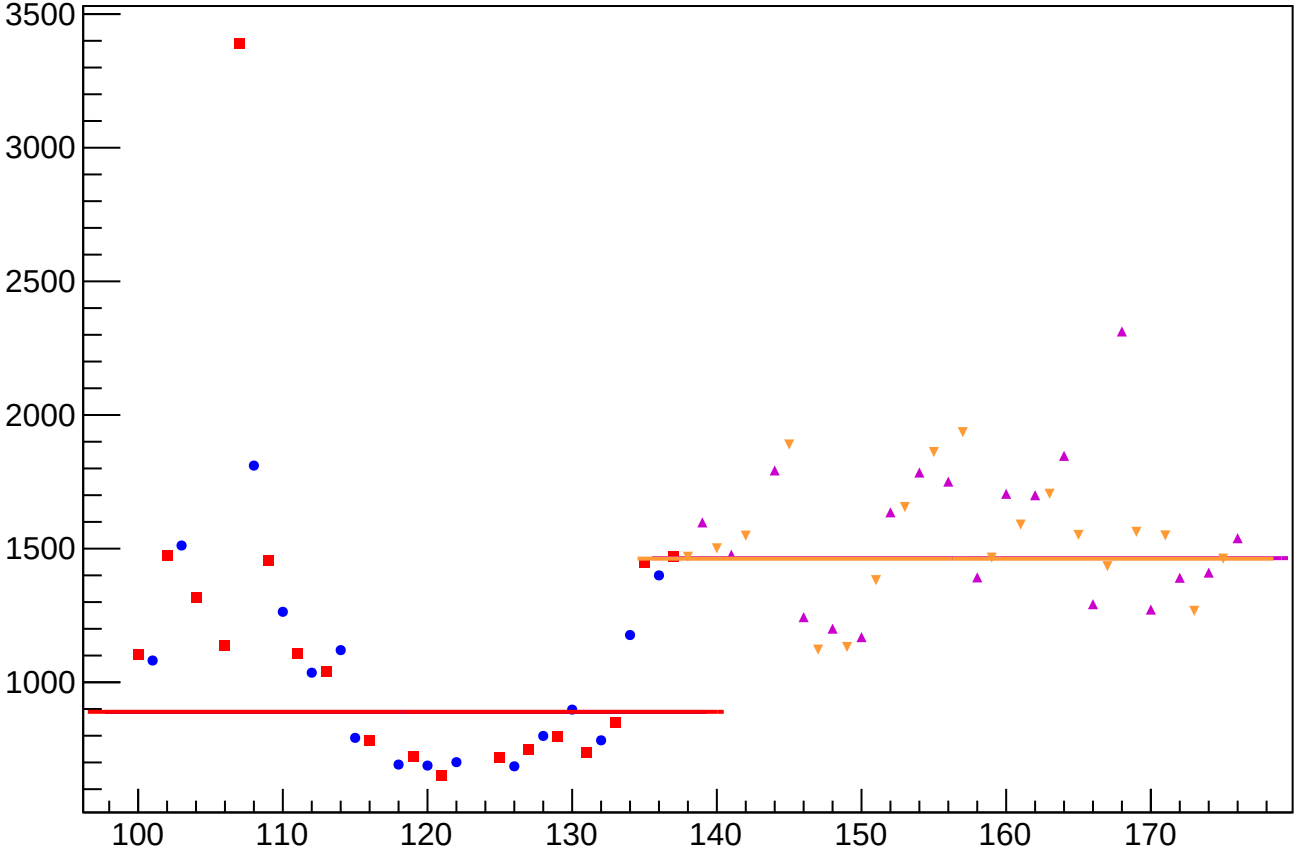
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 44.009+/-255.052 χ^2/NDF:30.4/34

Out: -126.369+/-256.534 χ^2/NDF:71.7/36

All: -40.687+/-180.871 χ^2/NDF: 102.2/71

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

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

Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

Left: 1463.536+/-0.190 χ^2/NDF: 1538603.9/37

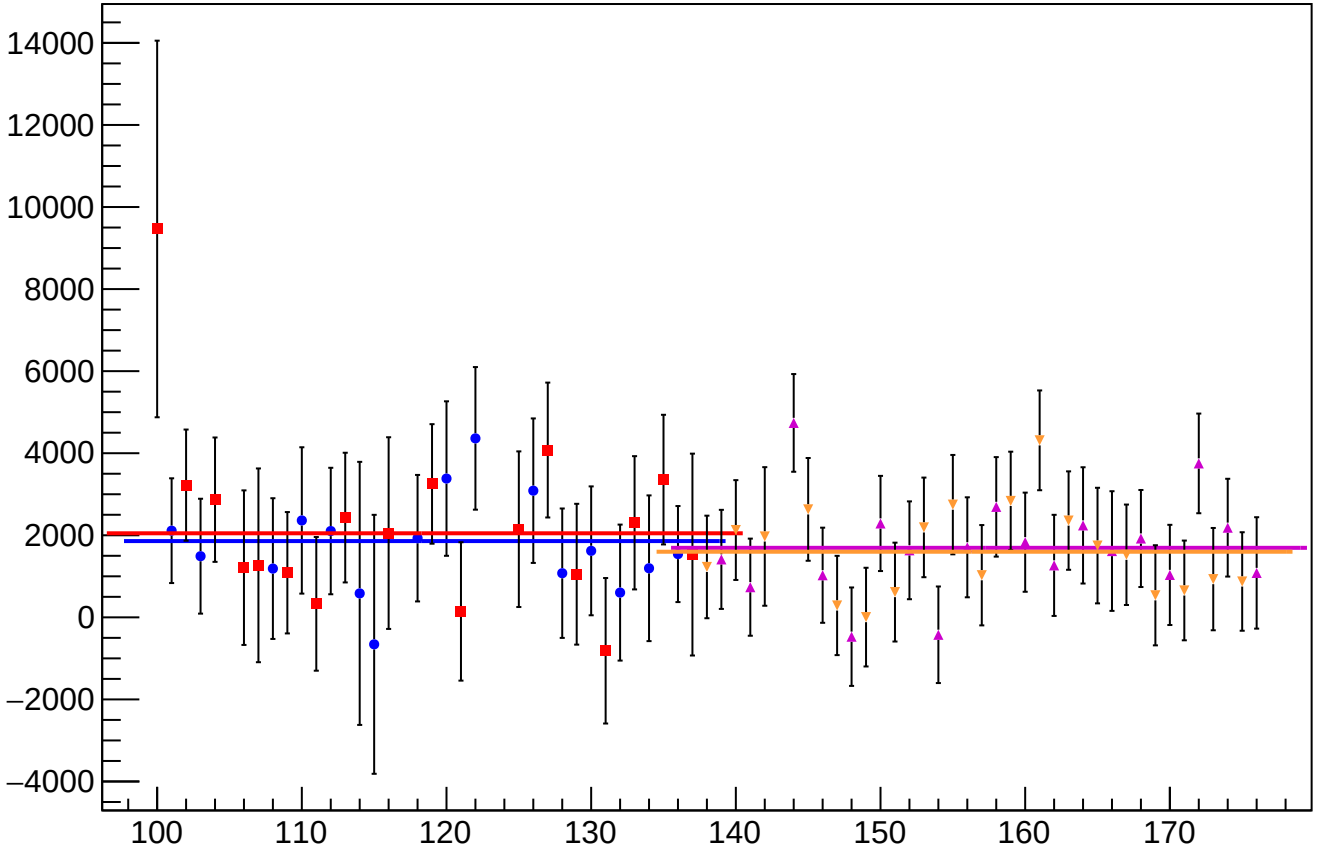
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1150.709+/-0.180 χ^2/NDF:4518260.5/34

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1599.125+/-284.891 χ^2/NDF:14.4/18

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

Left In: 1694.294+/-280.710 χ^2/NDF:18.9/18

Left: 1647.413+/-199.954 χ^2/NDF: 33.4/37

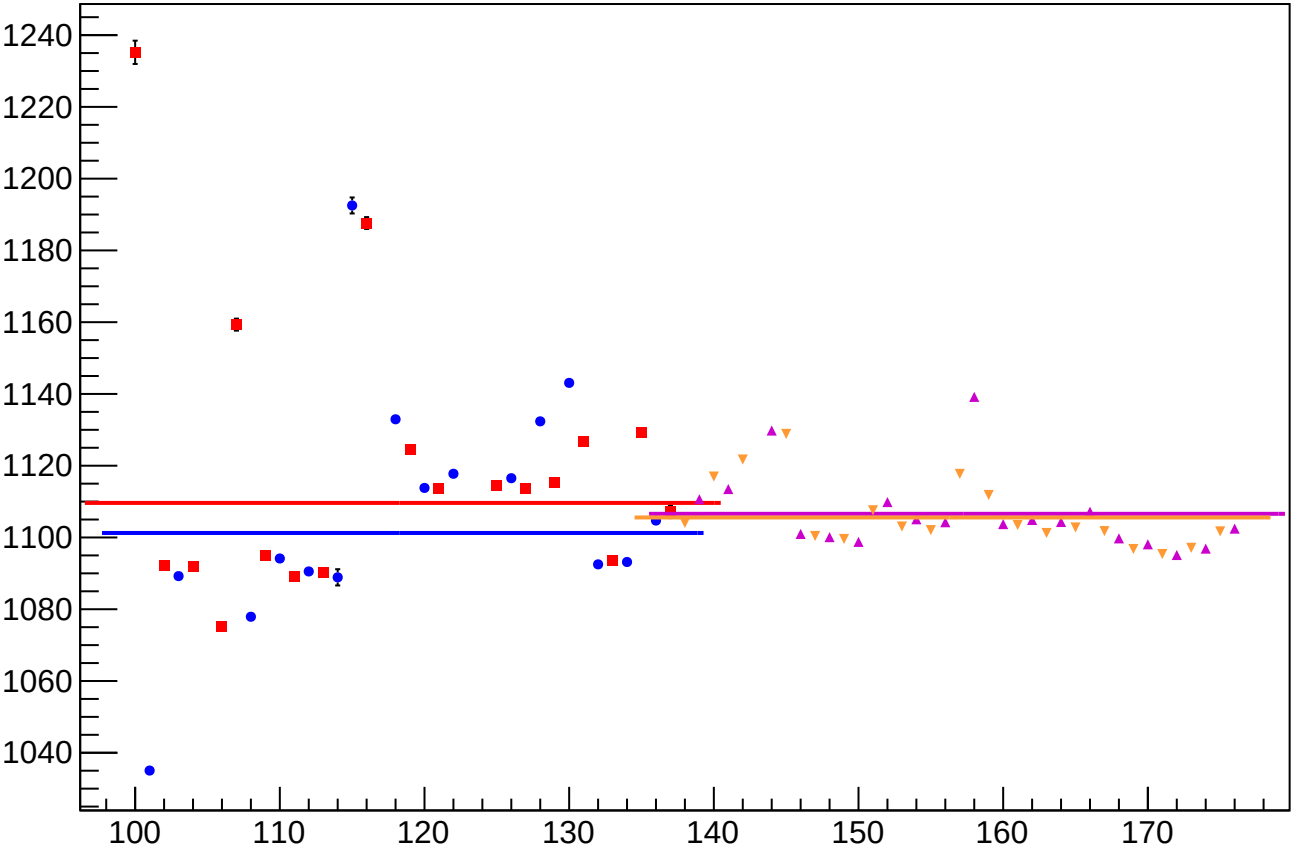
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1746.904+/-231.474 χ^2/NDF:24.4/34

Out: 1746.037+/-233.749 χ^2/NDF:28.0/36

All: 1746.475+/-164.475 χ^2/NDF: 52.4/71

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.572+/-0.201 χ^2/NDF:1839.2/18

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

Left In: 1106.593+/-0.198 χ^2/NDF:3031.8/18

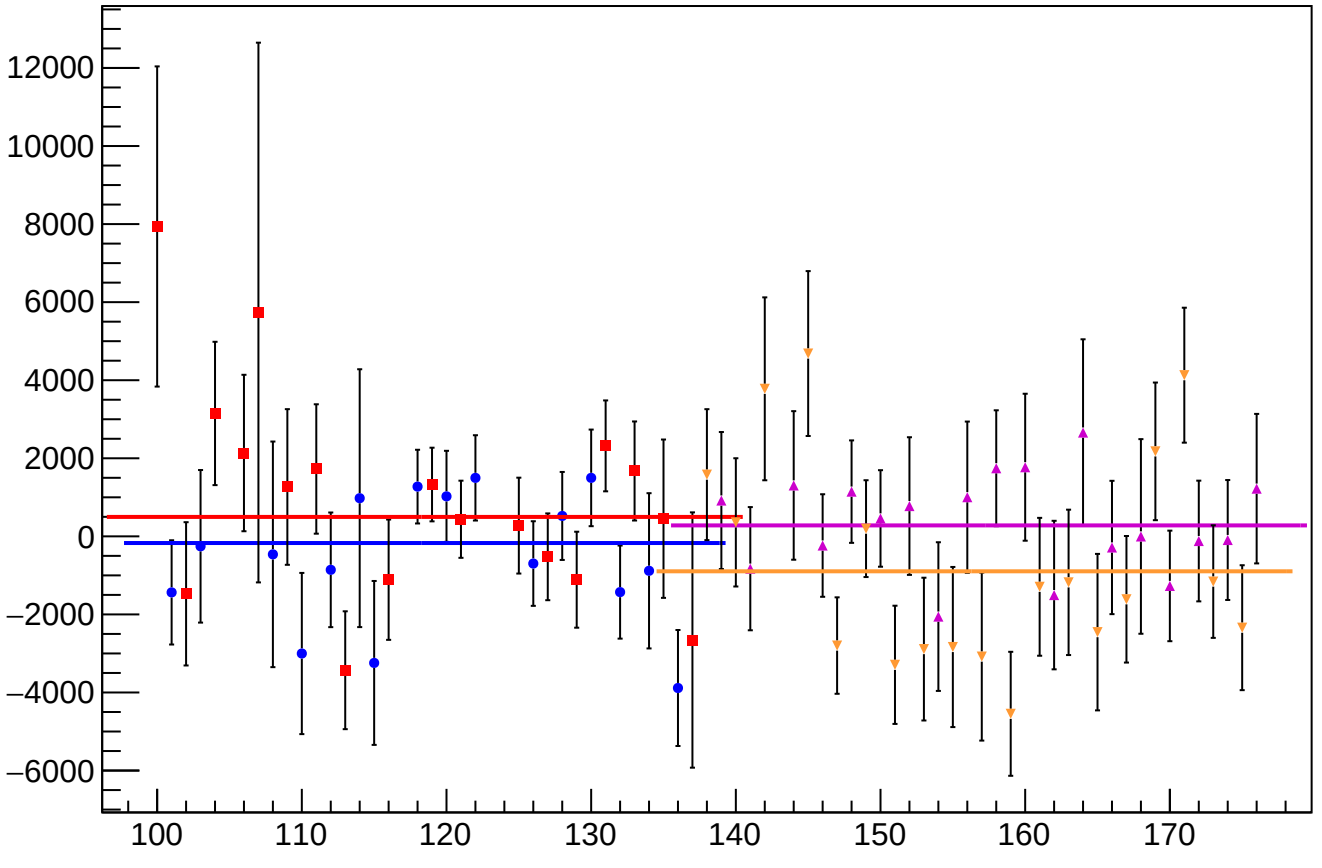
Left: 1106.090+/-0.141 χ^2/NDF: 4884.1/37

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

In: 1104.885+/-0.164 χ^2/NDF:14571.6/34

Out: 1106.898+/-0.165 χ^2/NDF:9644.8/36

All: 1105.881+/-0.116 χ^2/NDF: 24291.3/71



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

Left Out: -895.436+/-383.802 χ^2/NDF:41.0/18

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

Left In: 280.437+/-378.388 χ^2/NDF:8.4/18

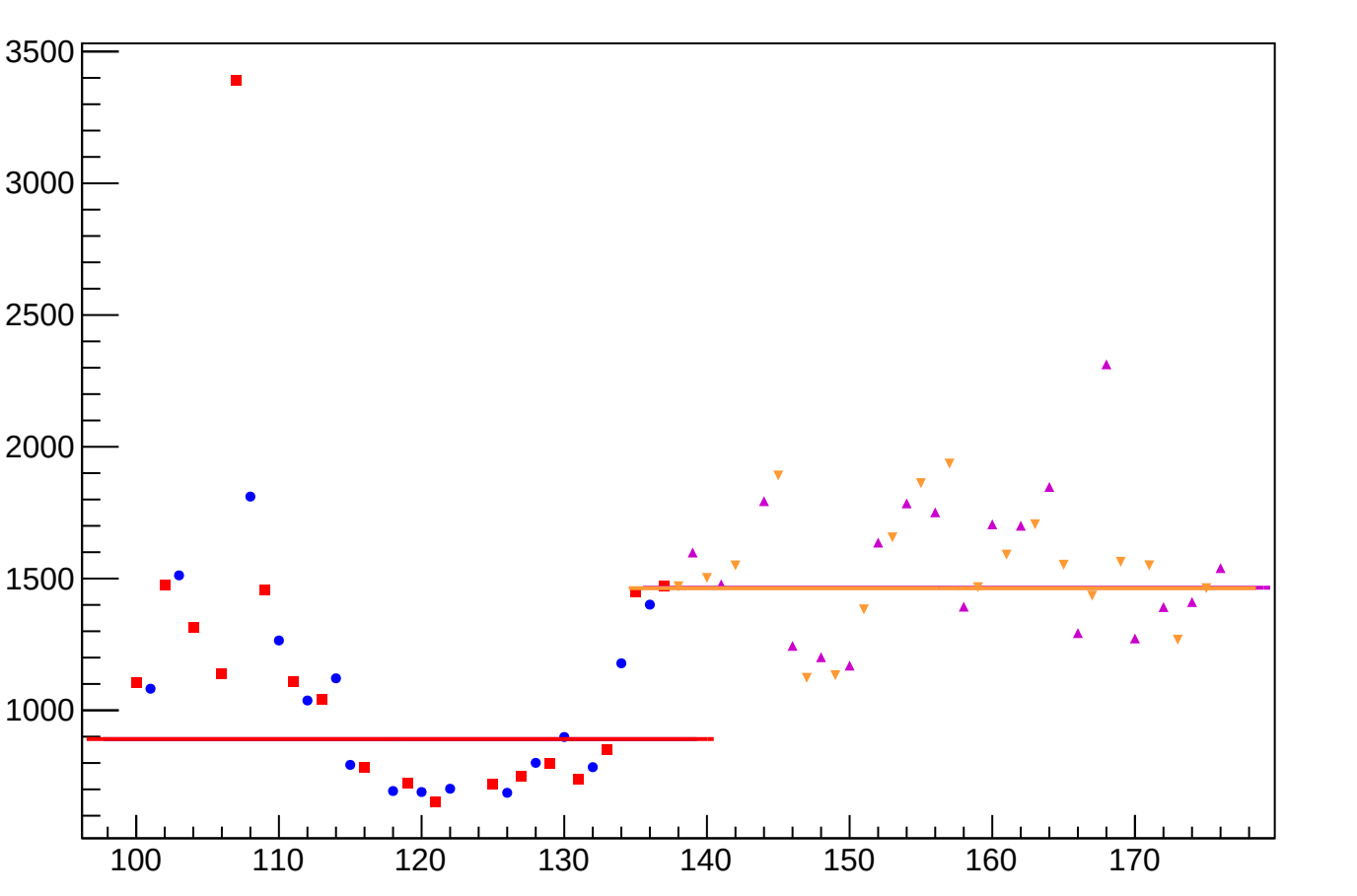
Left: -299.148+/-269.455 χ^2/NDF: 54.1/37

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

In: 34.600+/-255.335 χ^2/NDF:30.1/34

Out: -125.891+/-256.809 χ^2/NDF:72.2/36

All: -45.184+/-181.068 χ^2/NDF: 102.5/71



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

Left Out: 1463.502+/-0.271 χ^2/NDF:676633.9/18

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

Left In: 1465.290+/-0.268 χ^2/NDF:859645.6/18

Left: 1464.409+/-0.191 χ^2/NDF: 1536301.6/37

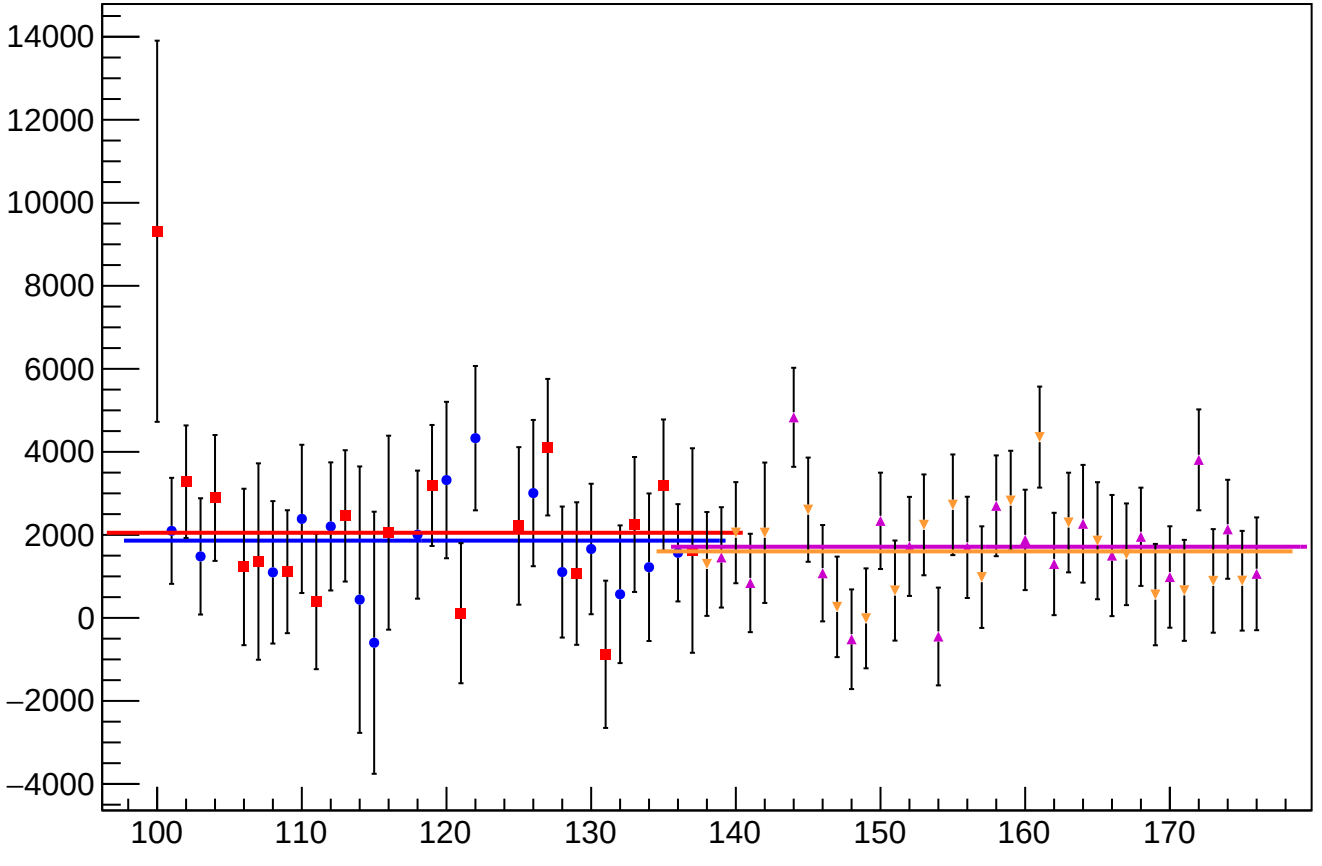
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1152.228+/-0.181 χ^2/NDF:4502003.4/34

Out: 1147.286+/-0.182 χ^2/NDF:4476668.3/36

All: 1149.771+/-0.128 χ^2/NDF: 8979044.2/71

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1602.736+/-285.169 χ^2/NDF:14.4/18

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

Left In: 1714.454+/-280.981 χ^2/NDF:19.5/18

Left: 1659.421+/-200.148 χ^2/NDF: 34.0/37

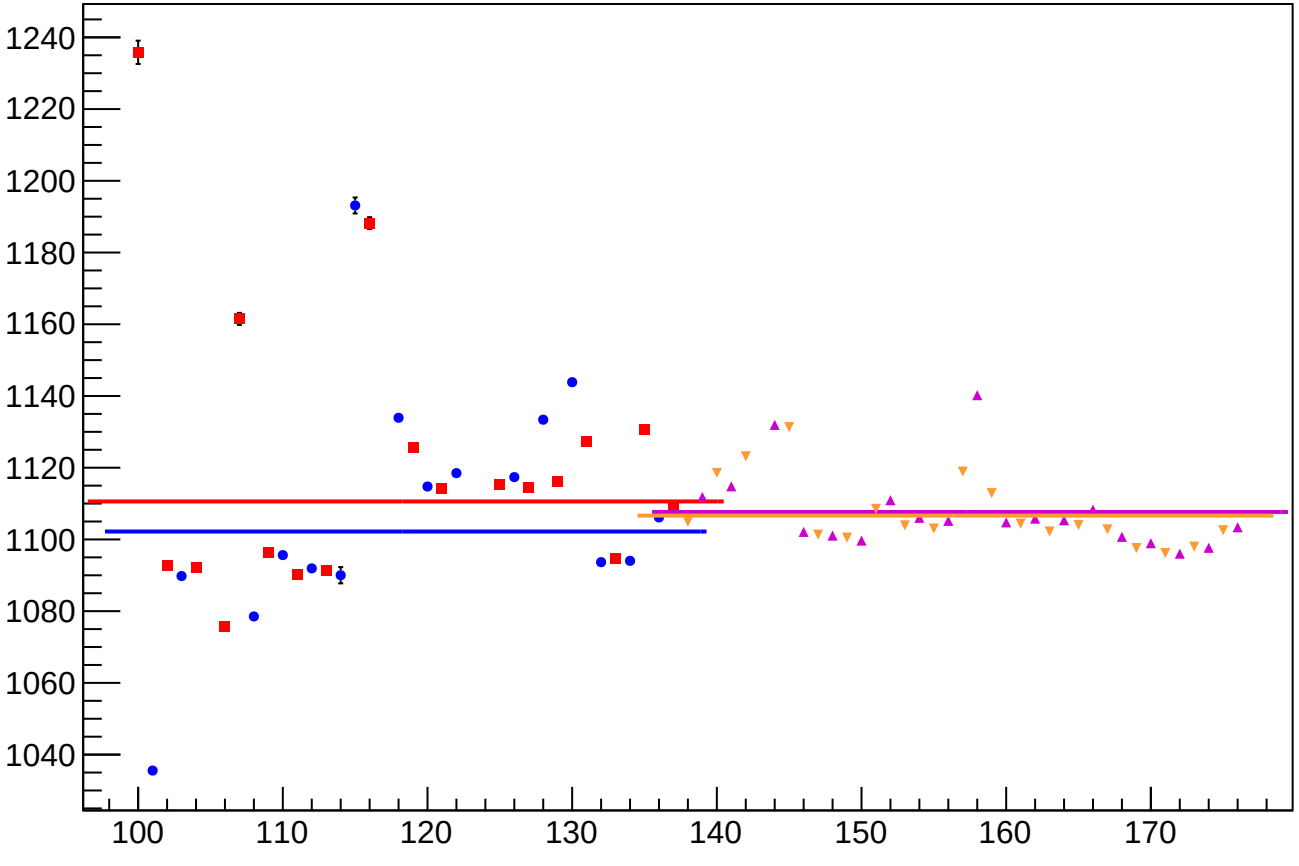
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1761.528+/-231.690 χ^2/NDF:24.9/34

Out: 1749.197+/-233.969 χ^2/NDF:27.8/36

All: 1755.423+/-164.629 χ^2/NDF: 52.7/71

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.645+/-0.202 χ^2/NDF:1975.0/18

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

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

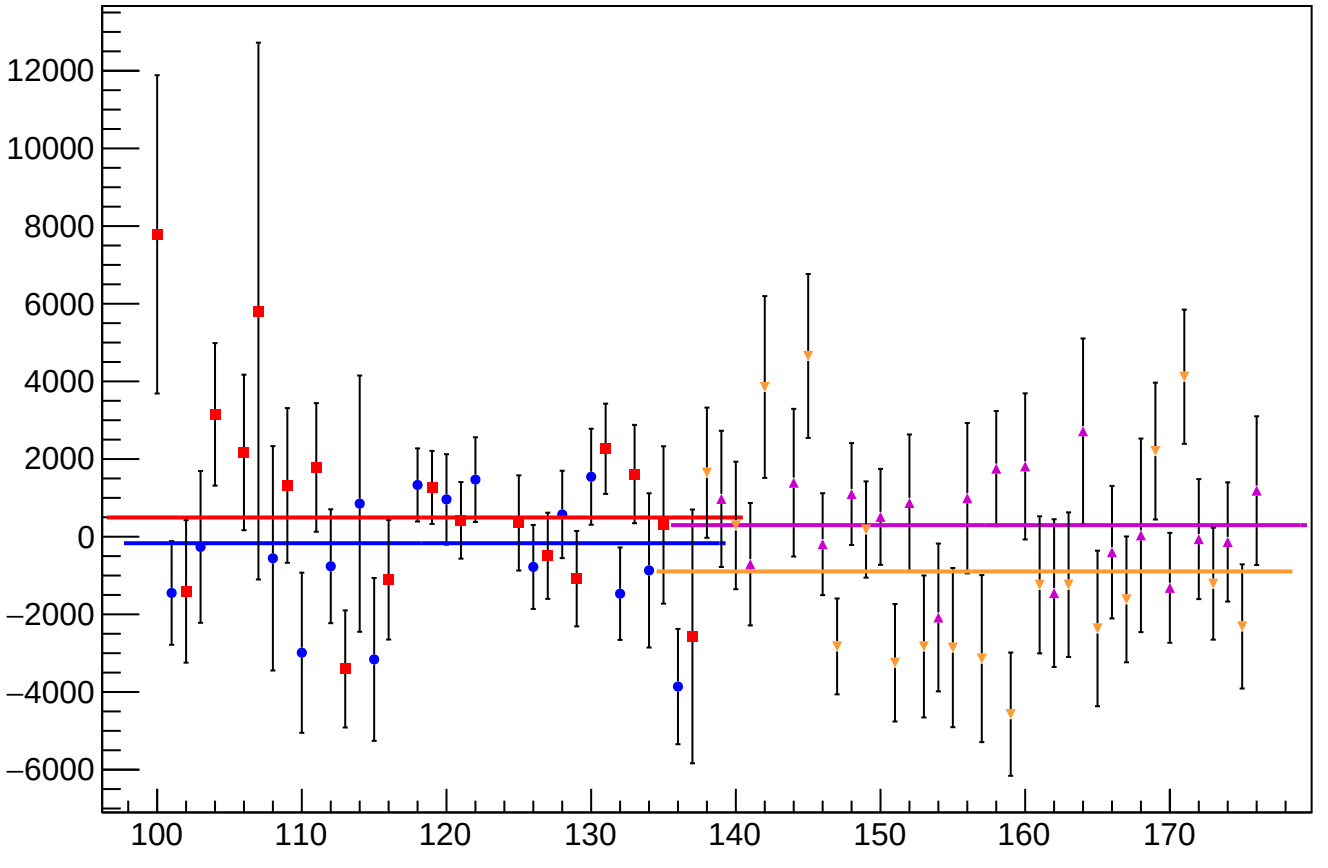
Left: 1107.159+/-0.142 χ^2/NDF: 5115.3/37

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

In: 1105.912+/-0.164 χ^2/NDF:14717.6/34

Out: 1107.935+/-0.165 χ^2/NDF:9796.2/36

All: 1106.914+/-0.116 χ^2/NDF: 24589.2/71



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

Left Out: -894.467+/-383.584 χ^2/NDF:41.1/18

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

Left In: 297.967+/-378.172 χ^2/NDF:8.5/18

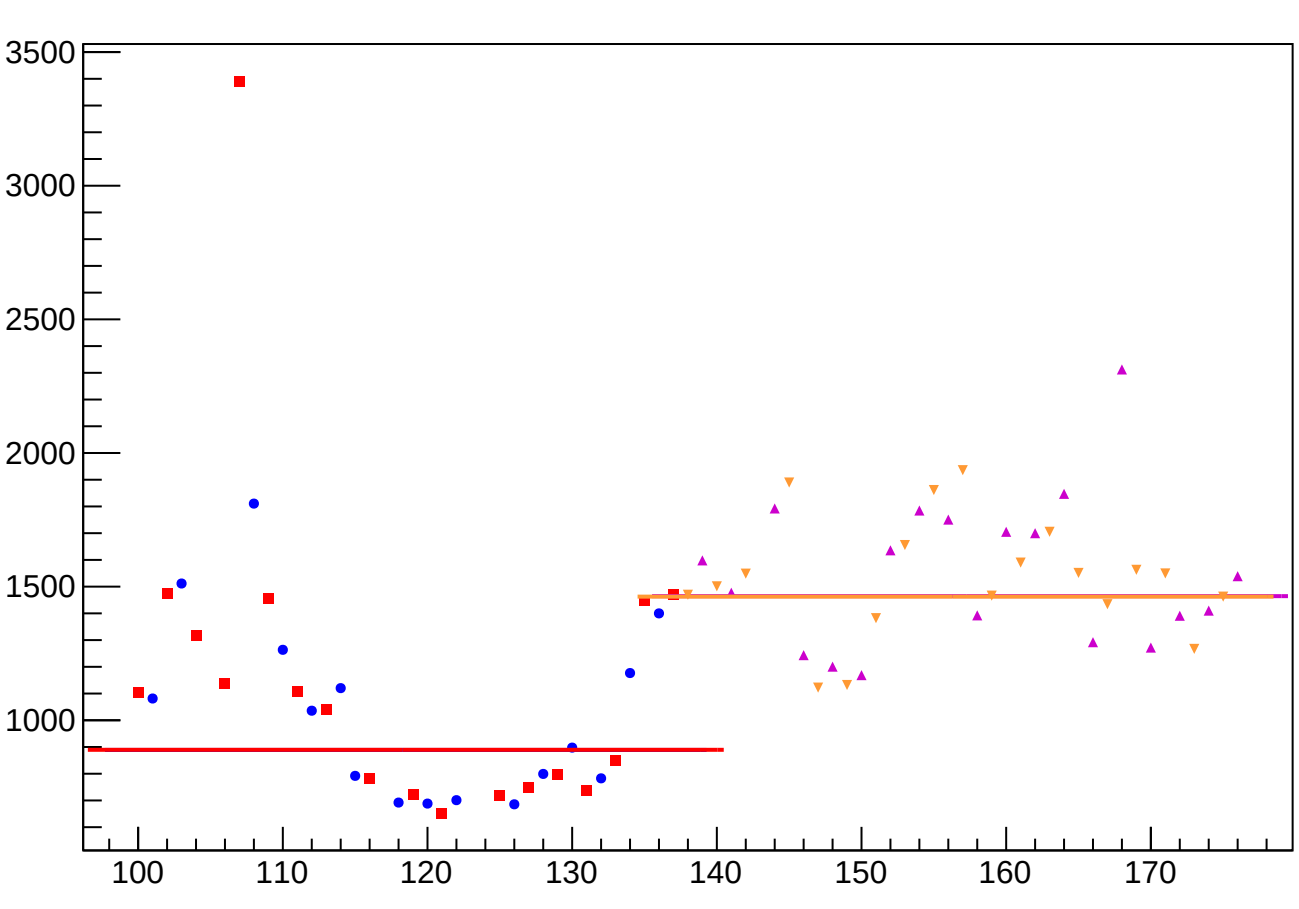
Left: -289.779+/-269.301 χ^2/NDF: 54.5/37

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

In: 44.009+/-255.052 χ^2/NDF:30.4/34

Out: -126.369+/-256.534 χ^2/NDF:71.7/36

All: -40.687+/-180.871 χ^2/NDF: 102.2/71



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

Left Out: 1462.631+/-0.271 χ^2/NDF:677664.8/18

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

Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

Left: 1463.536+/-0.190 χ^2/NDF: 1538603.9/37

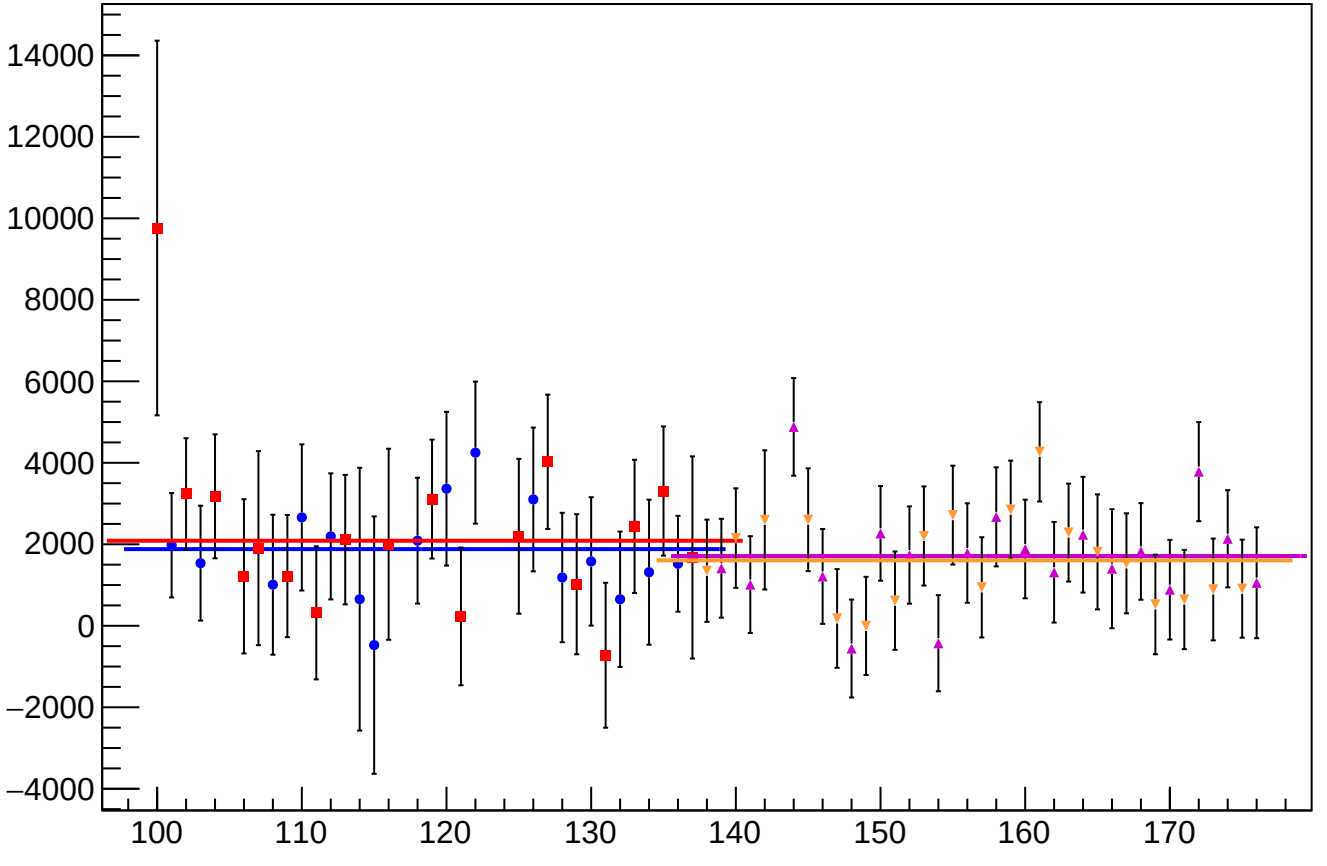
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1150.709+/-0.180 χ^2/NDF:4518260.5/34

Out: 1145.831+/-0.181 χ^2/NDF:4491526.4/36

All: 1148.284+/-0.128 χ^2/NDF: 9010150.6/71

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1606.177+/-285.719 χ^2/NDF:14.7/18

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1711.781+/-281.442 χ^2/NDF:19.3/18

Left: 1659.775+/-200.505 χ^2/NDF: 34.1/37

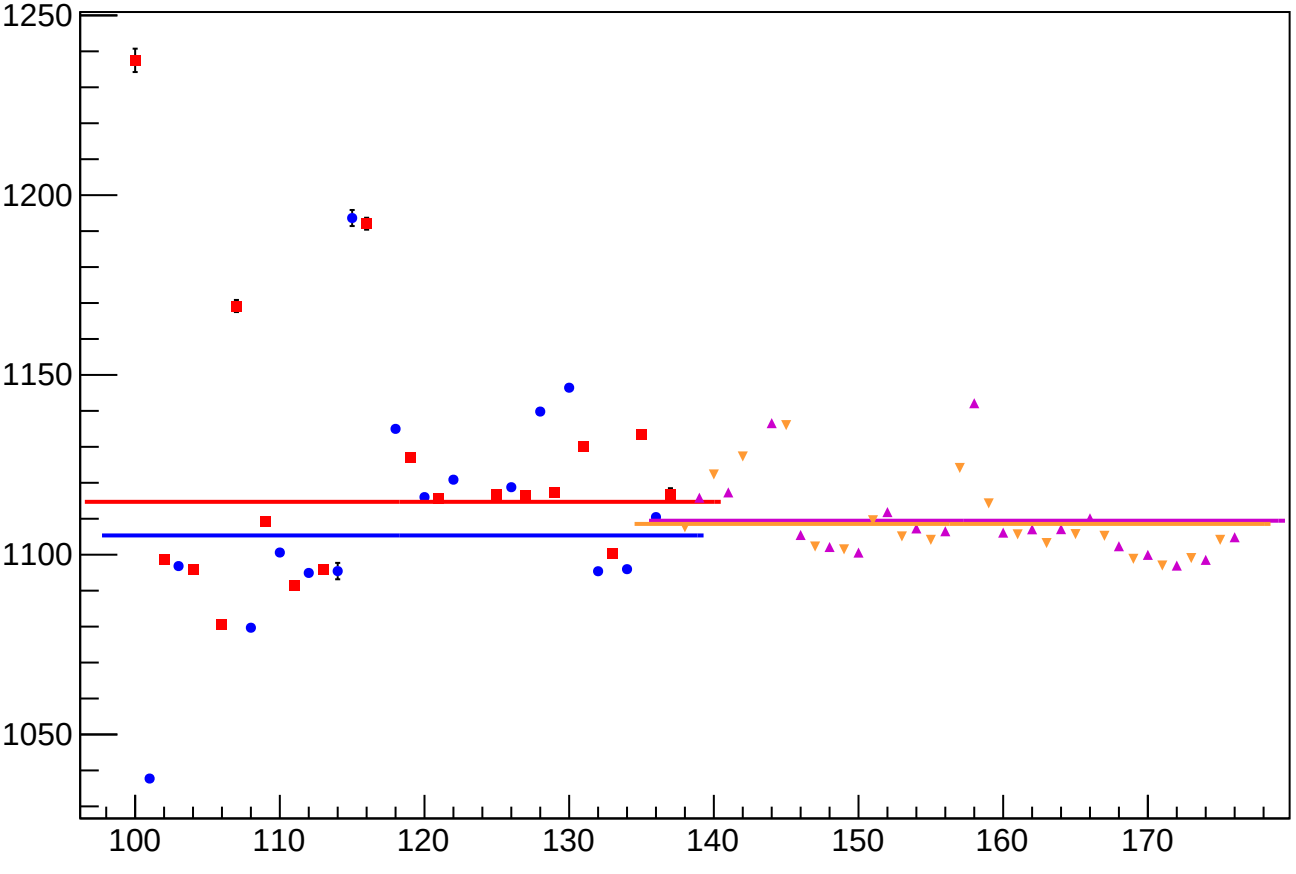
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1766.021+/-232.161 χ^2/NDF:24.6/34

Out: 1762.910+/-234.560 χ^2/NDF:28.0/36

All: 1764.482+/-165.004 χ^2/NDF: 52.6/71

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.562+/-0.202 χ^2/NDF:2501.8/18

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

Left: 1109.013+/-0.142 χ^2/NDF: 5986.8/37

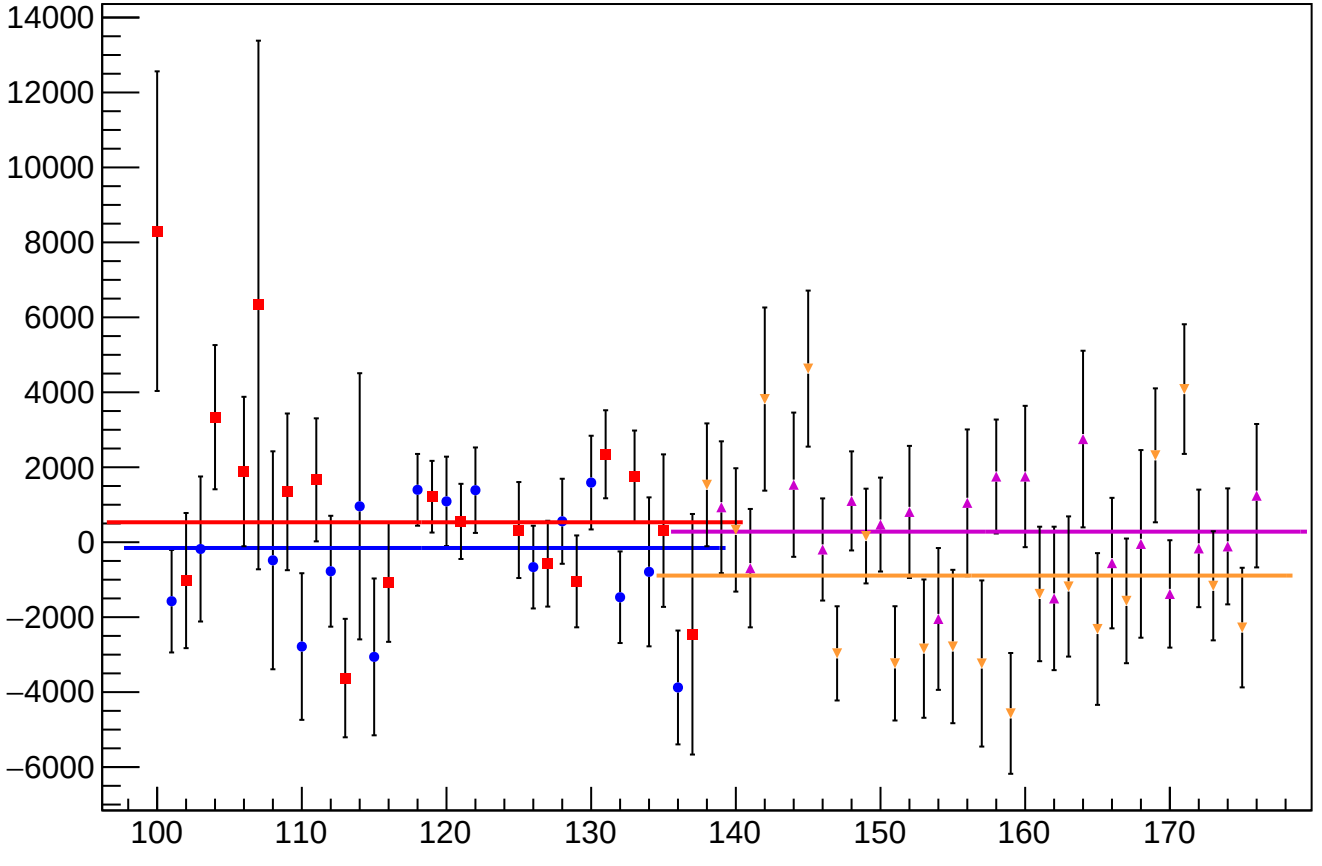
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.142+/-0.164 χ^2/NDF:14941.4/34

Out: 1110.565+/-0.166 χ^2/NDF:10133.5/36

All: 1109.341+/-0.117 χ^2/NDF: 25182.7/71

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -890.129+/-387.377 χ^2/NDF:40.6/18

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 281.631+/-382.222 χ^2/NDF:8.7/18

Left: -296.401+/-272.076 χ^2/NDF: 54.0/37

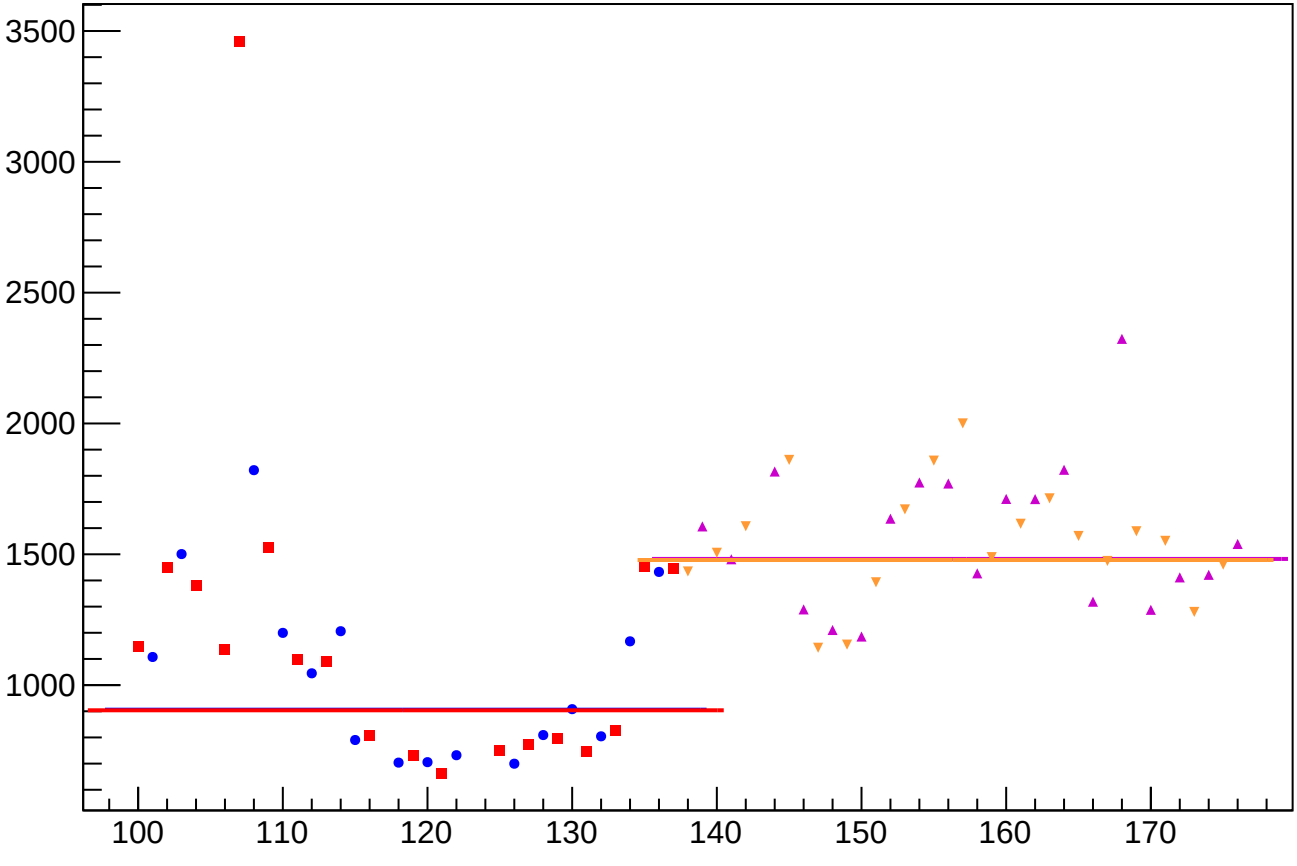
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 45.495+/-258.656 χ^2/NDF:29.9/34

Out: -107.895+/-259.865 χ^2/NDF:71.3/36

All: -30.842+/-183.323 χ^2/NDF: 101.3/71

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1478.159+/-0.274 χ^2/NDF:653057.3/18

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

Left In: 1482.246+/-0.270 χ^2/NDF:804854.6/18

Left: 1480.230+/-0.192 χ^2/NDF: 1458024.7/37

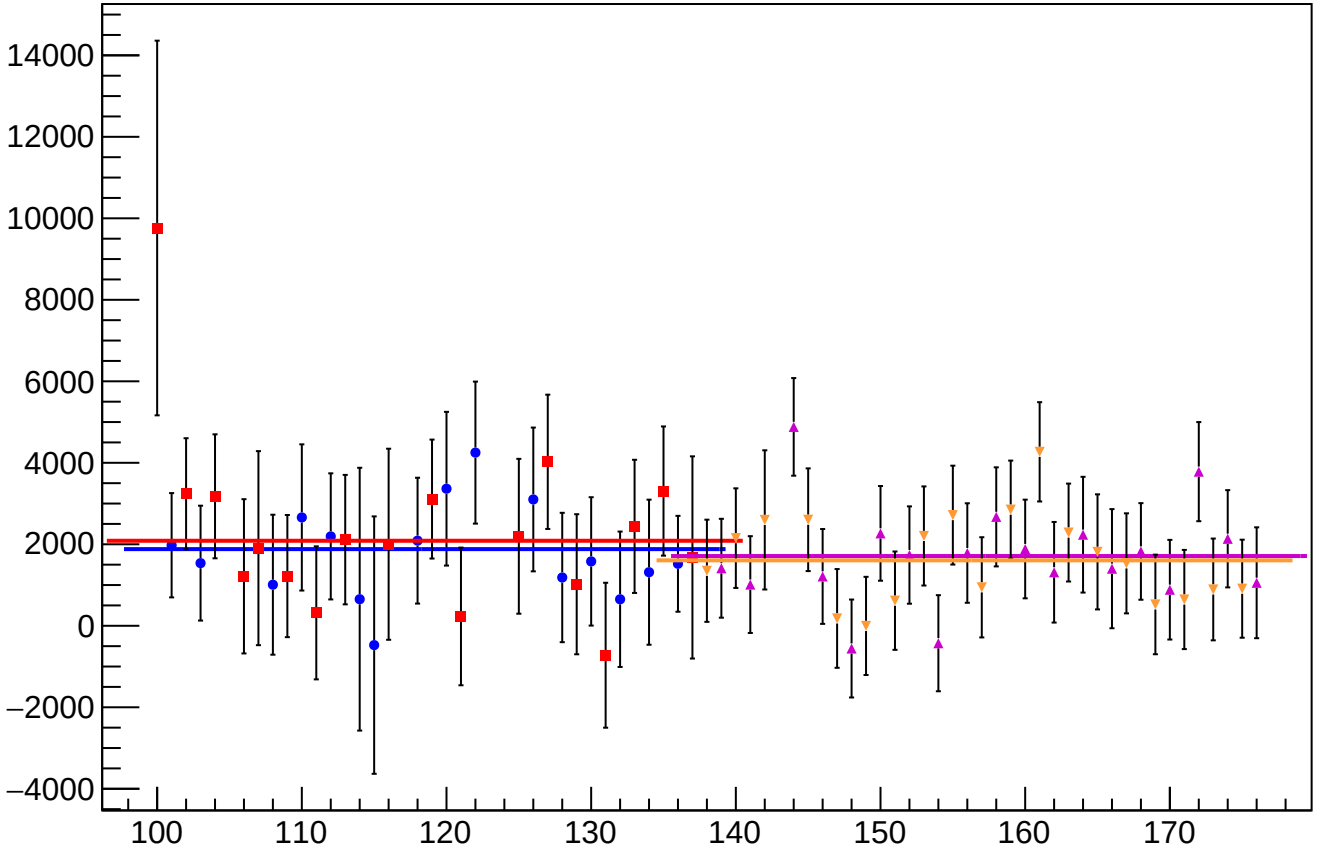
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1169.908+/-0.183 χ^2/NDF:4348083.1/34

Out: 1162.245+/-0.184 χ^2/NDF:4411555.0/36

All: 1166.094+/-0.130 χ^2/NDF: 8760511.7/71

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1606.173+/-285.719 χ^2/NDF:14.7/18

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

Left In: 1711.783+/-281.442 χ^2/NDF:19.3/18

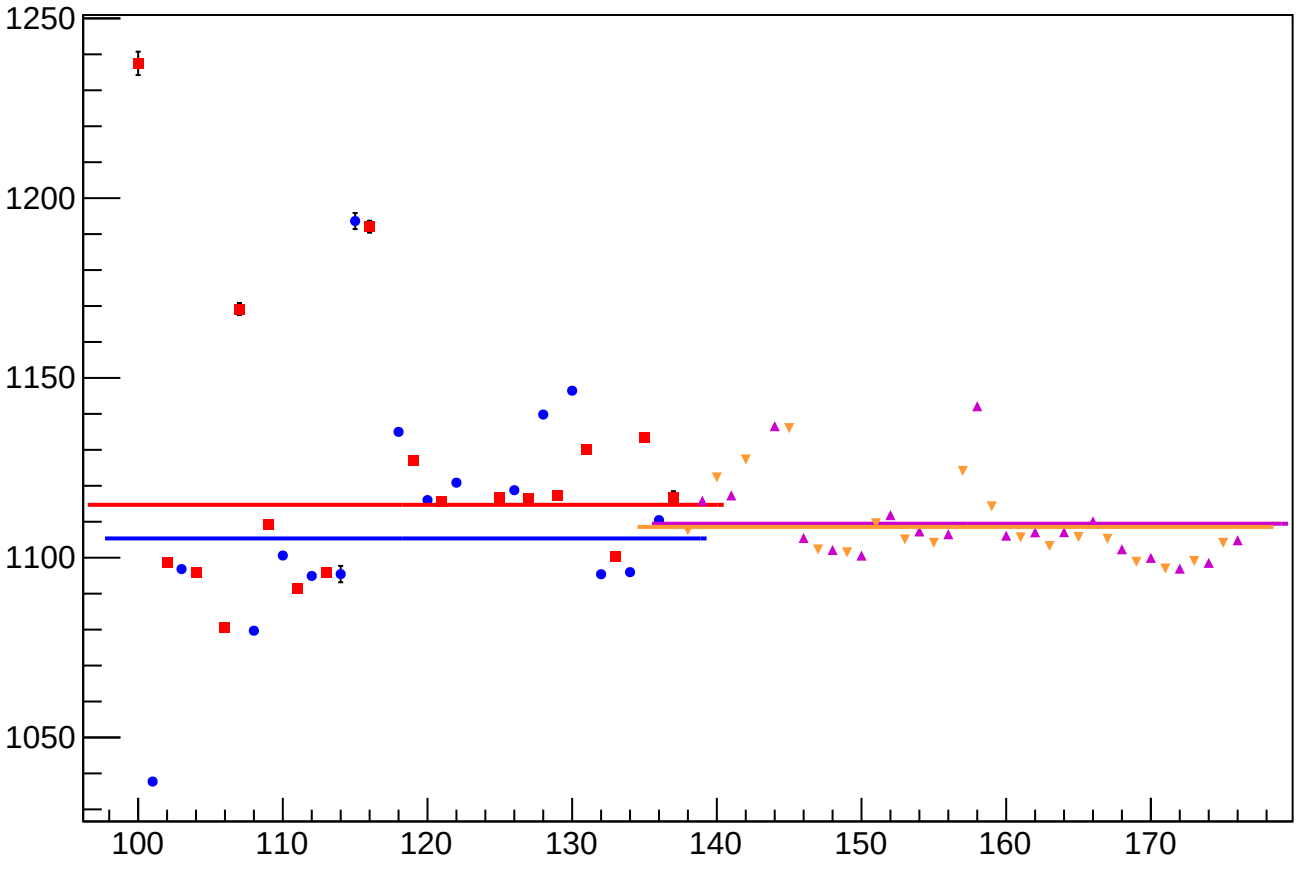
Left: 1659.774+/-200.505 χ^2/NDF: 34.1/37

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

In: 1766.022+/-232.161 χ^2/NDF:24.6/34

Out: 1762.907+/-234.560 χ^2/NDF:28.0/36

All: 1764.481+/-165.004 χ^2/NDF: 52.6/71



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

Left Out: 1108.562+/-0.202 χ^2/NDF:2501.8/18

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

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

Left: 1109.013+/-0.142 χ^2/NDF: 5986.8/37

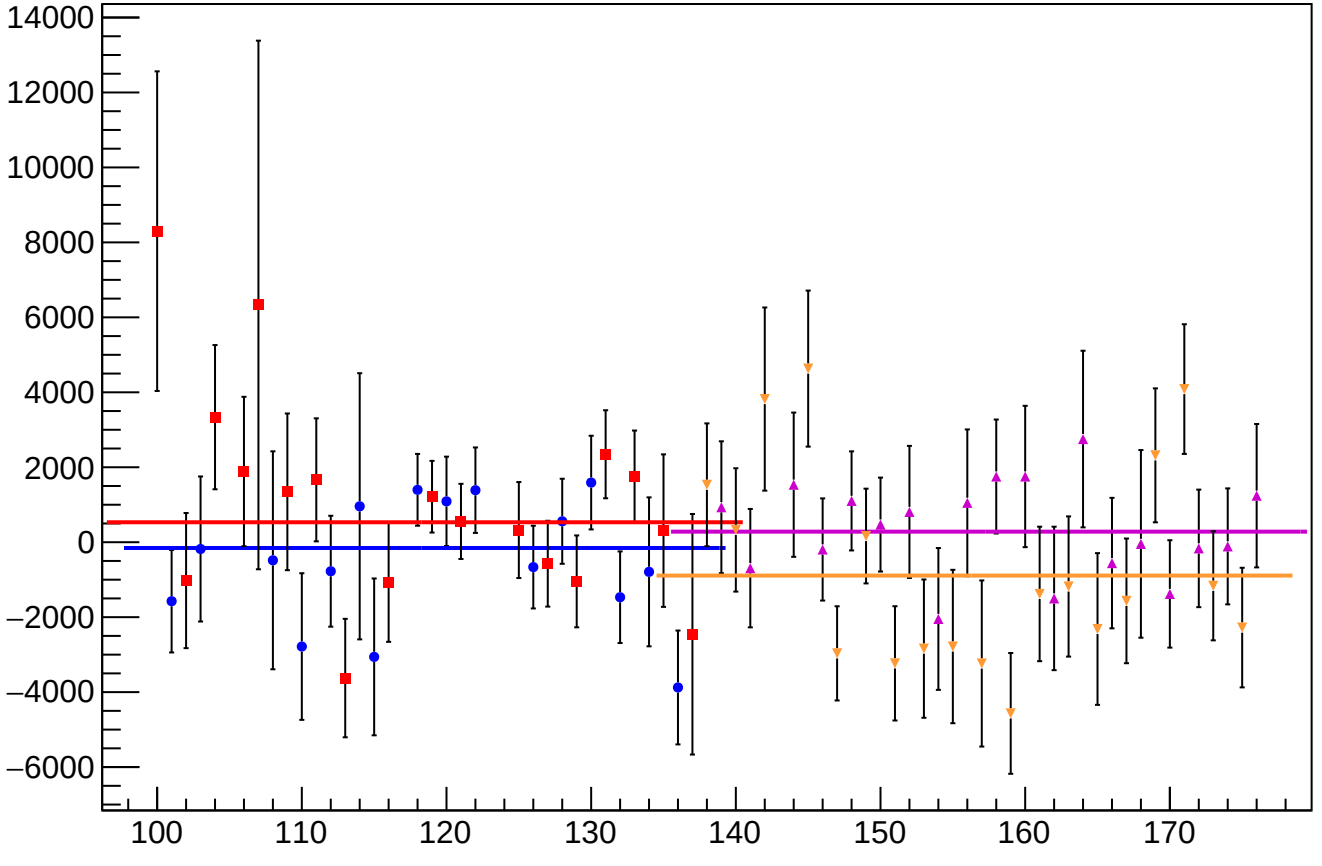
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.142+/-0.164 χ^2/NDF:14941.4/34

Out: 1110.565+/-0.166 χ^2/NDF:10133.4/36

All: 1109.341+/-0.117 χ^2/NDF: 25182.7/71

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -890.133+/-387.378 χ^2/NDF:40.6/18

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

Left In: 281.631+/-382.223 χ^2/NDF:8.7/18

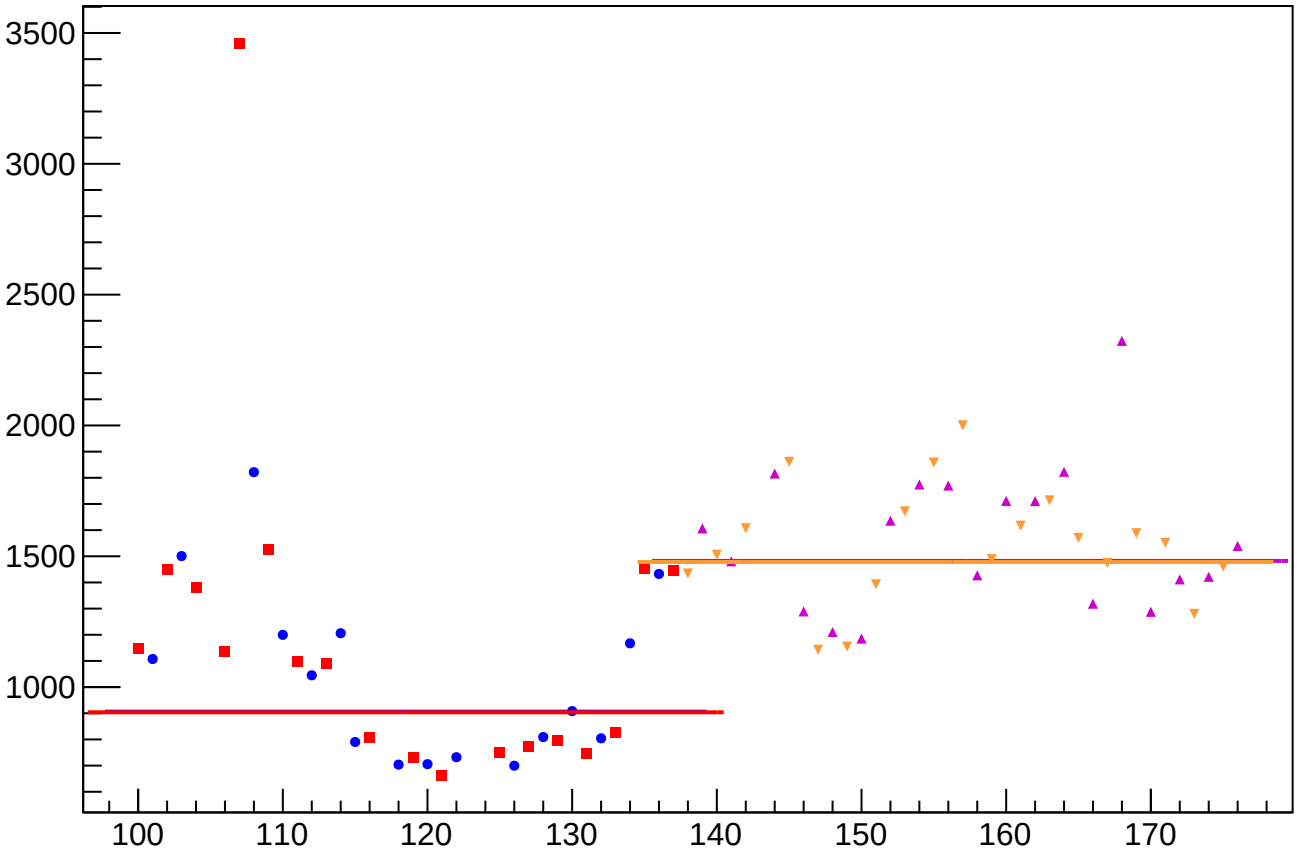
Left: -296.402+/-272.077 χ^2/NDF: 54.0/37

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

In: 45.495+/-258.656 χ^2/NDF:29.9/34

Out: -107.895+/-259.865 χ^2/NDF:71.3/36

All: -30.842+/-183.323 χ^2/NDF: 101.3/71



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

Left Out: 1478.160+/-0.274 χ^2/NDF:653054.1/18

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

Left In: 1482.248+/-0.270 χ^2/NDF:804851.3/18

Left: 1480.231+/-0.192 χ^2/NDF: 1458018.2/37

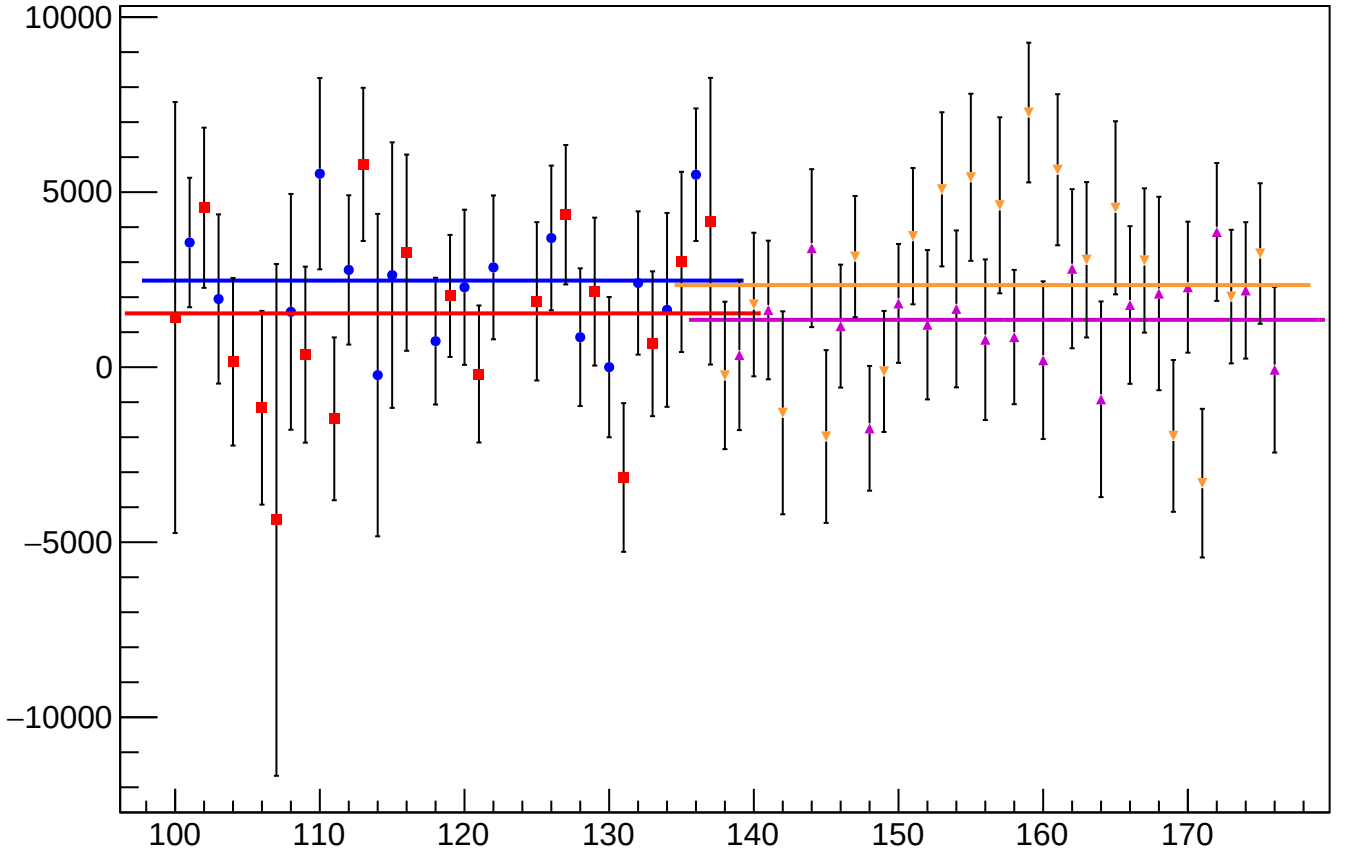
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1169.906+/-0.183 χ^2/NDF:4348116.2/34

Out: 1162.243+/-0.184 χ^2/NDF:4411588.4/36

All: 1166.093+/-0.130 χ^2/NDF: 8760578.3/71

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2345.798+/-485.414 χ^2/NDF:33.8/18

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1352.877+/-478.487 χ^2/NDF:8.2/18

Left: 1842.202+/-340.764 χ^2/NDF: 44.1/37

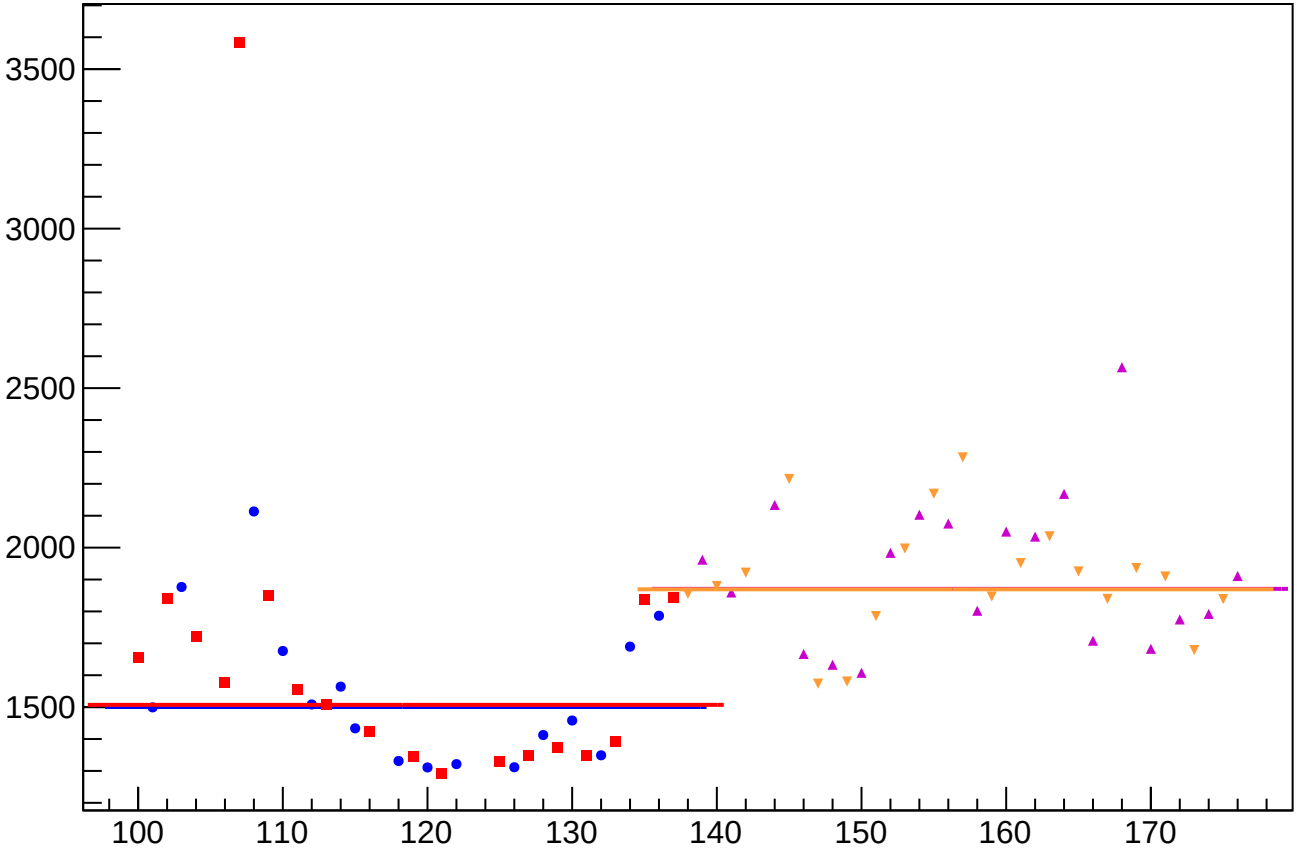
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1823.284+/-364.543 χ^2/NDF:18.7/34

Out: 2001.503+/-367.790 χ^2/NDF:53.5/36

All: 1911.603+/-258.911 χ^2/NDF: 72.3/71

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1869.376+/-0.343 χ^2/NDF:289292.7/18

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

Left In: 1870.767+/-0.338 χ^2/NDF:398597.9/18

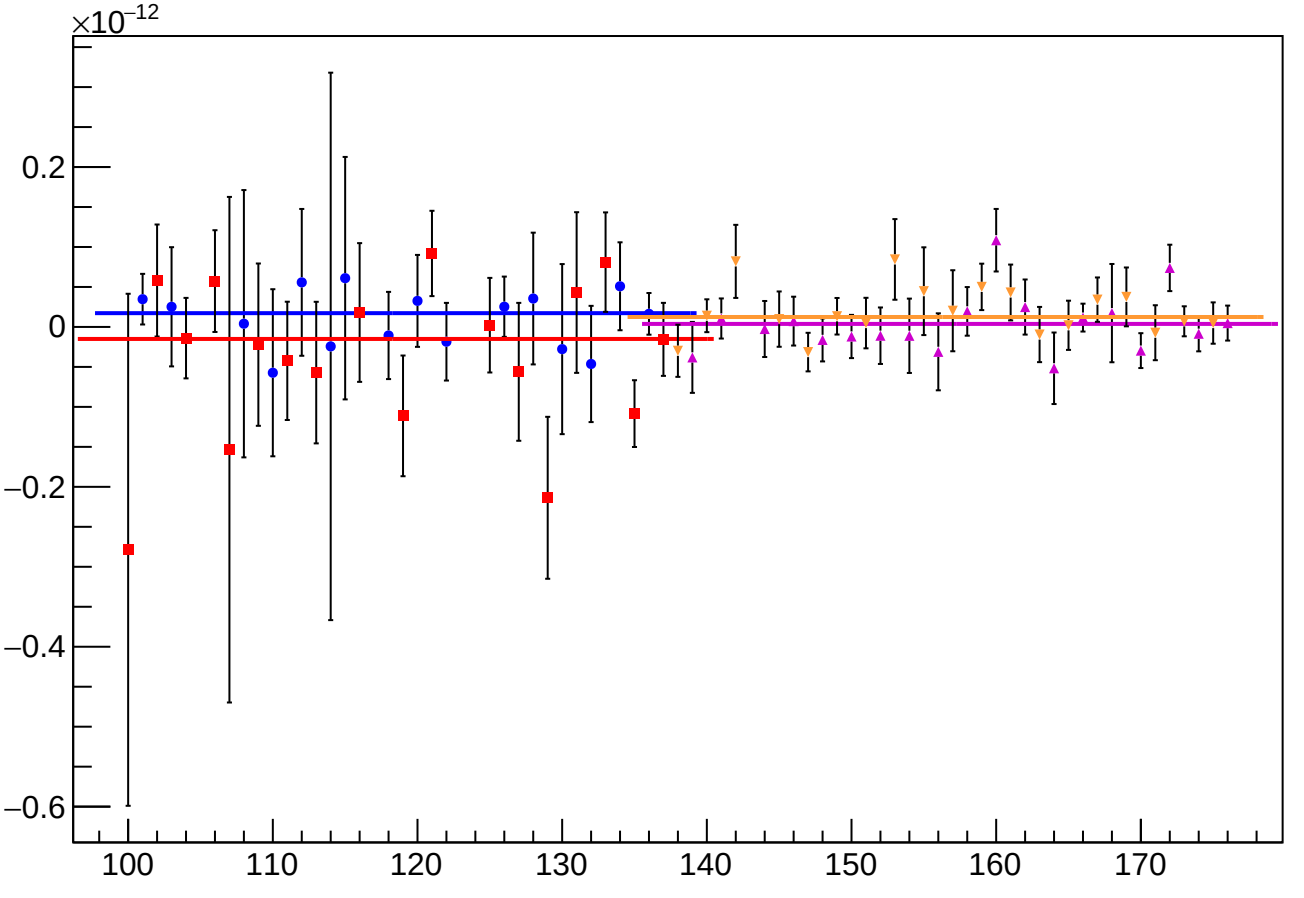
Left: 1870.082+/-0.241 χ^2/NDF: 687898.9/37

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

In: 1715.366+/-0.258 χ^2/NDF:1160200.8/34

Out: 1715.075+/-0.260 χ^2/NDF:1164996.1/36

All: 1715.222+/-0.183 χ^2/NDF: 2325197.5/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/18

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

Left In: 0.000+/-0.000 χ^2/NDF:20.8/18

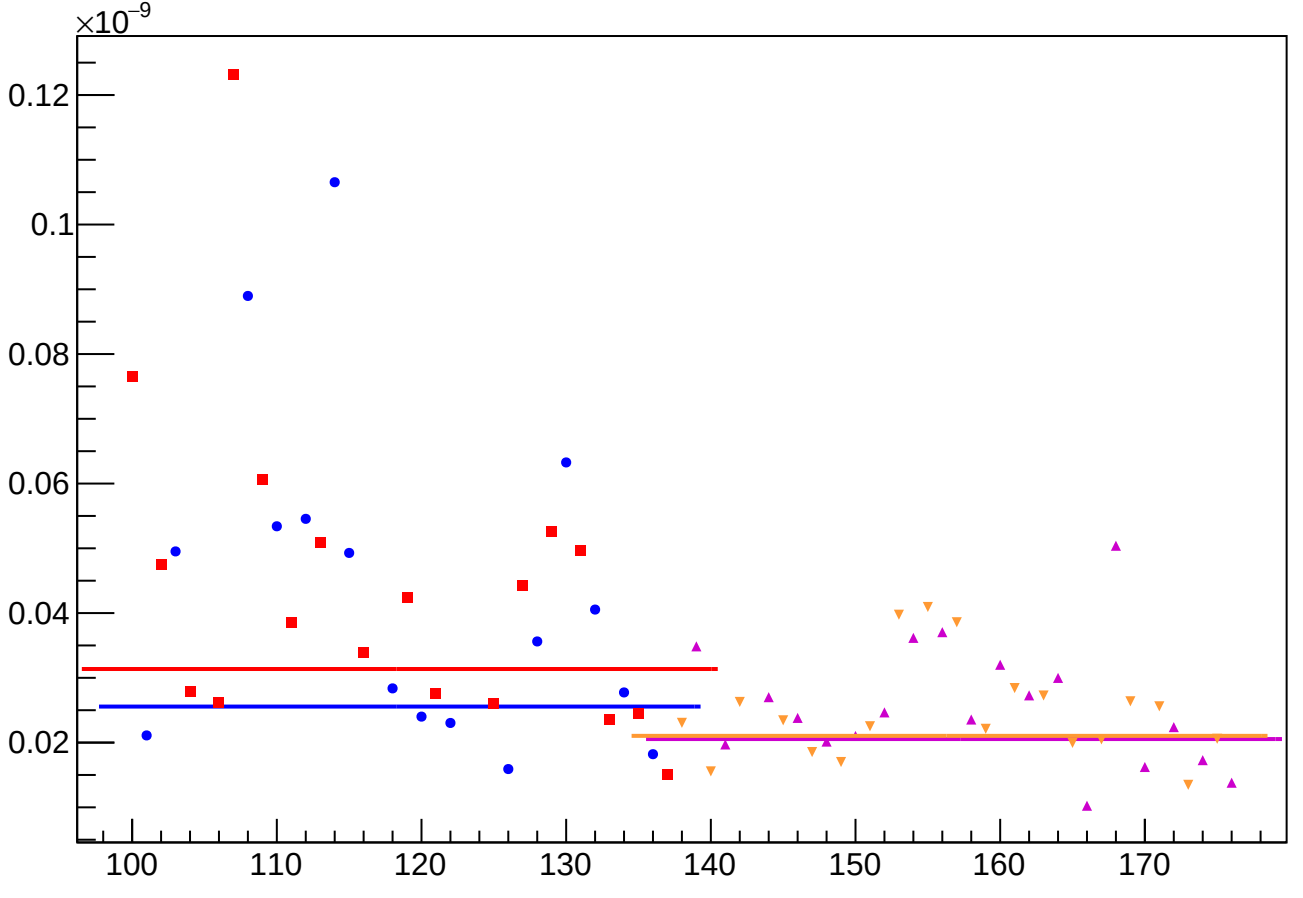
Left: 0.000+/-0.000 χ^2/NDF: 35.9/37

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:25.0/34

Out: 0.000+/-0.000 χ^2/NDF:38.1/36

All: 0.000+/-0.000 χ^2/NDF: 63.1/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:1615335.4/18

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

Left In: 0.000+/-0.000 χ^2/NDF:2637717.0/18

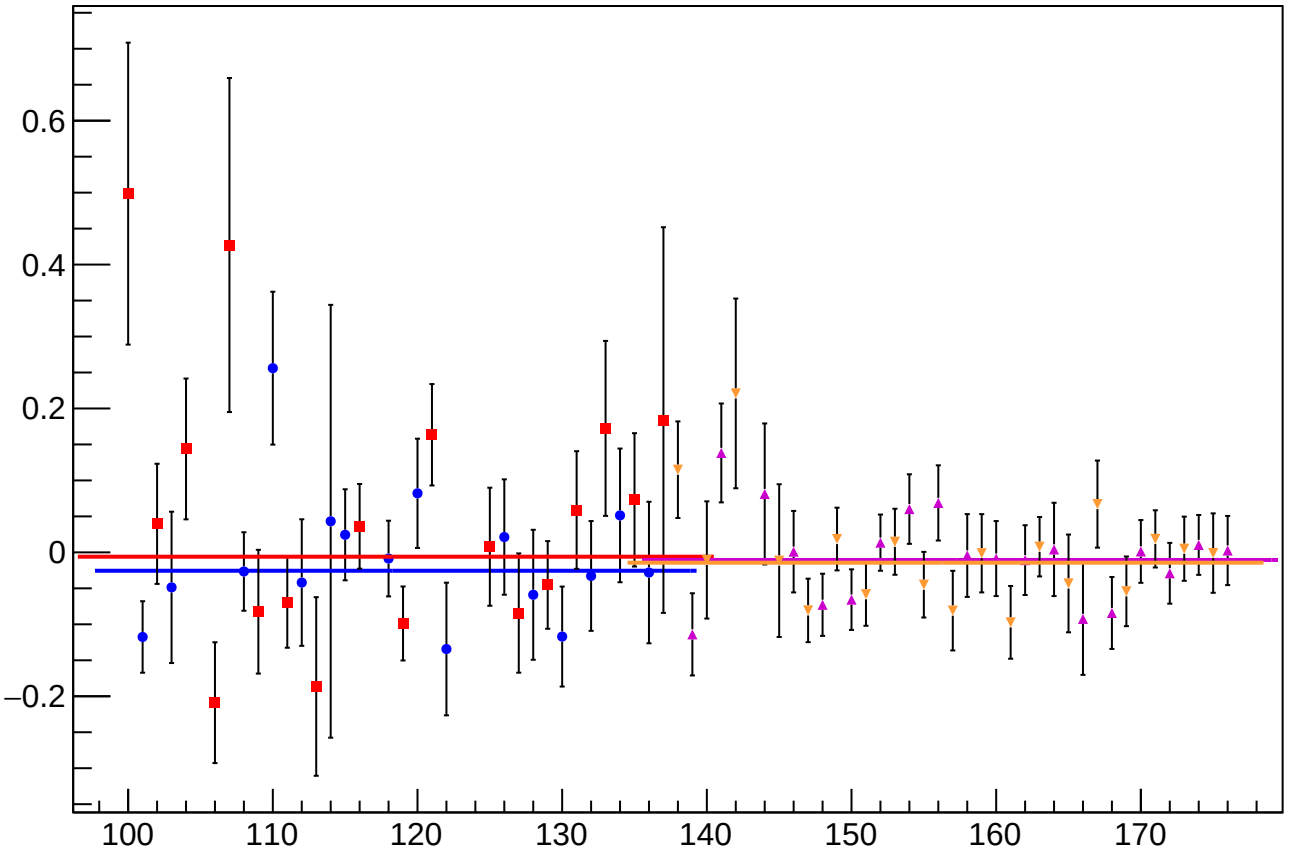
Left: 0.000+/-0.000 χ^2/NDF: 4258422.2/37

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

In: 0.000+/-0.000 χ^2/NDF:4566970.3/34

Out: 0.000+/-0.000 χ^2/NDF:3540873.4/36

All: 0.000+/-0.000 χ^2/NDF: 8139160.9/71



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

Left: -0.012+/-0.008 χ^2/NDF: 41.2/37

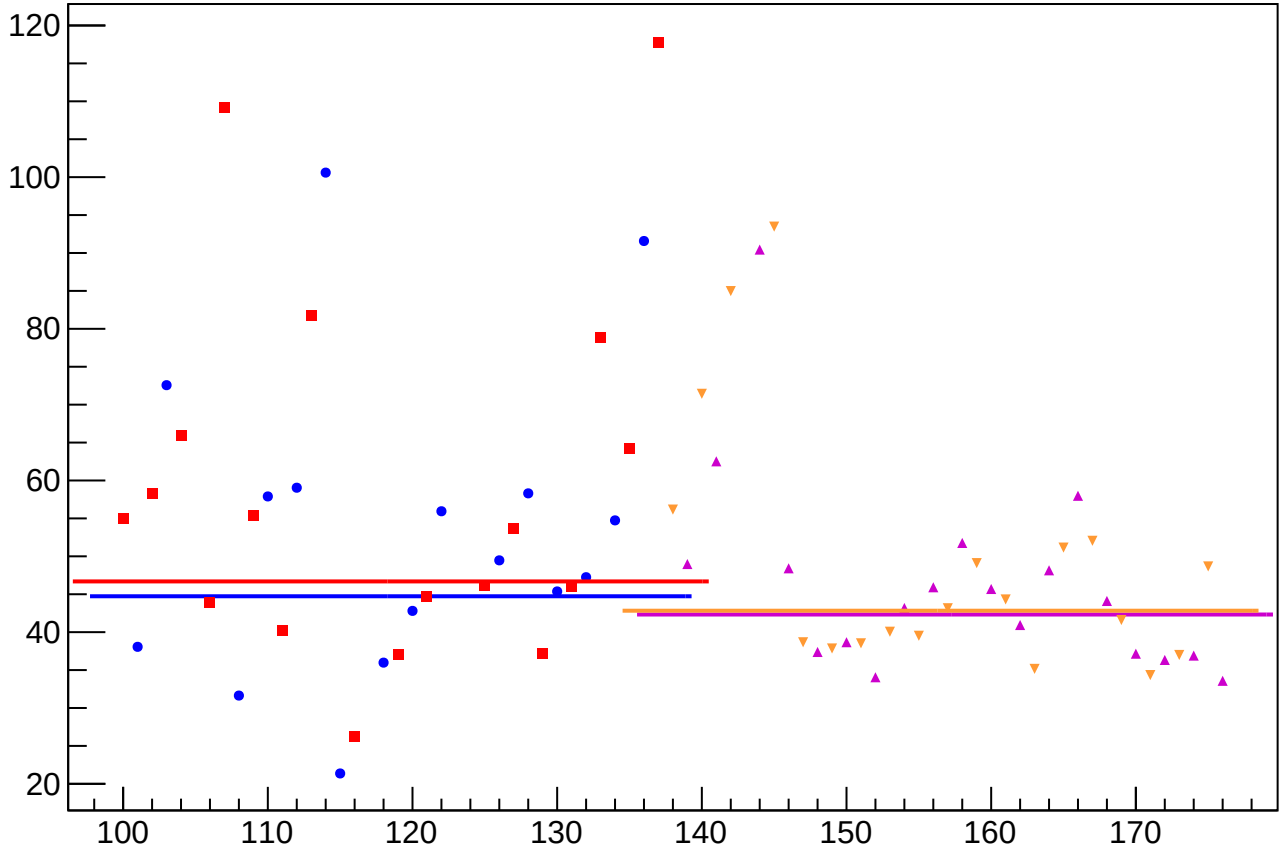
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.013+/-0.007 χ^2/NDF: 95.9/71

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 42.828+/-0.008 χ^2/NDF:1389010.4/18

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

Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

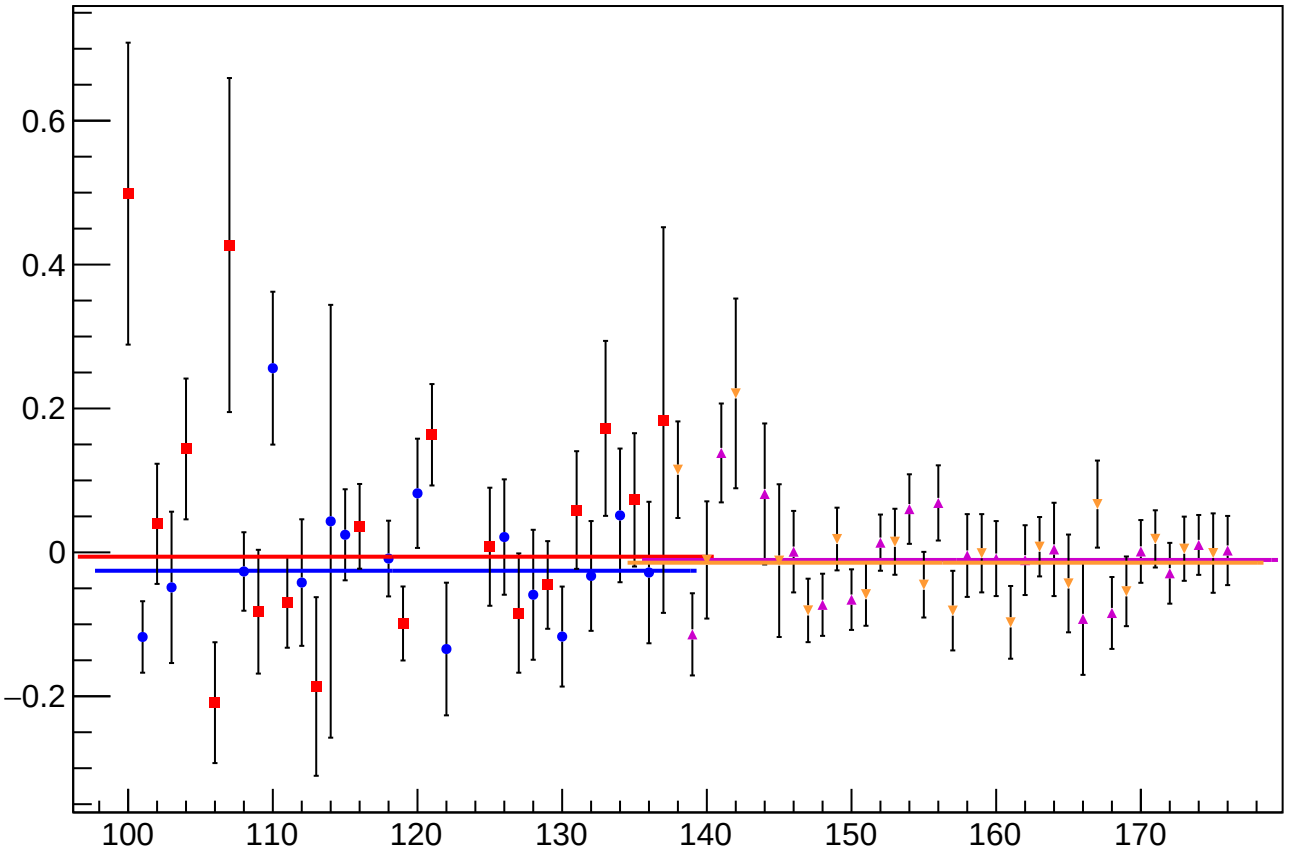
Left: 42.570+/-0.006 χ^2/NDF: 2569084.4/37

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

In: 42.989+/-0.007 χ^2/NDF:2536627.9/34

Out: 43.885+/-0.007 χ^2/NDF:2642101.1/36

All: 43.423+/-0.005 χ^2/NDF: 5186774.5/71



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

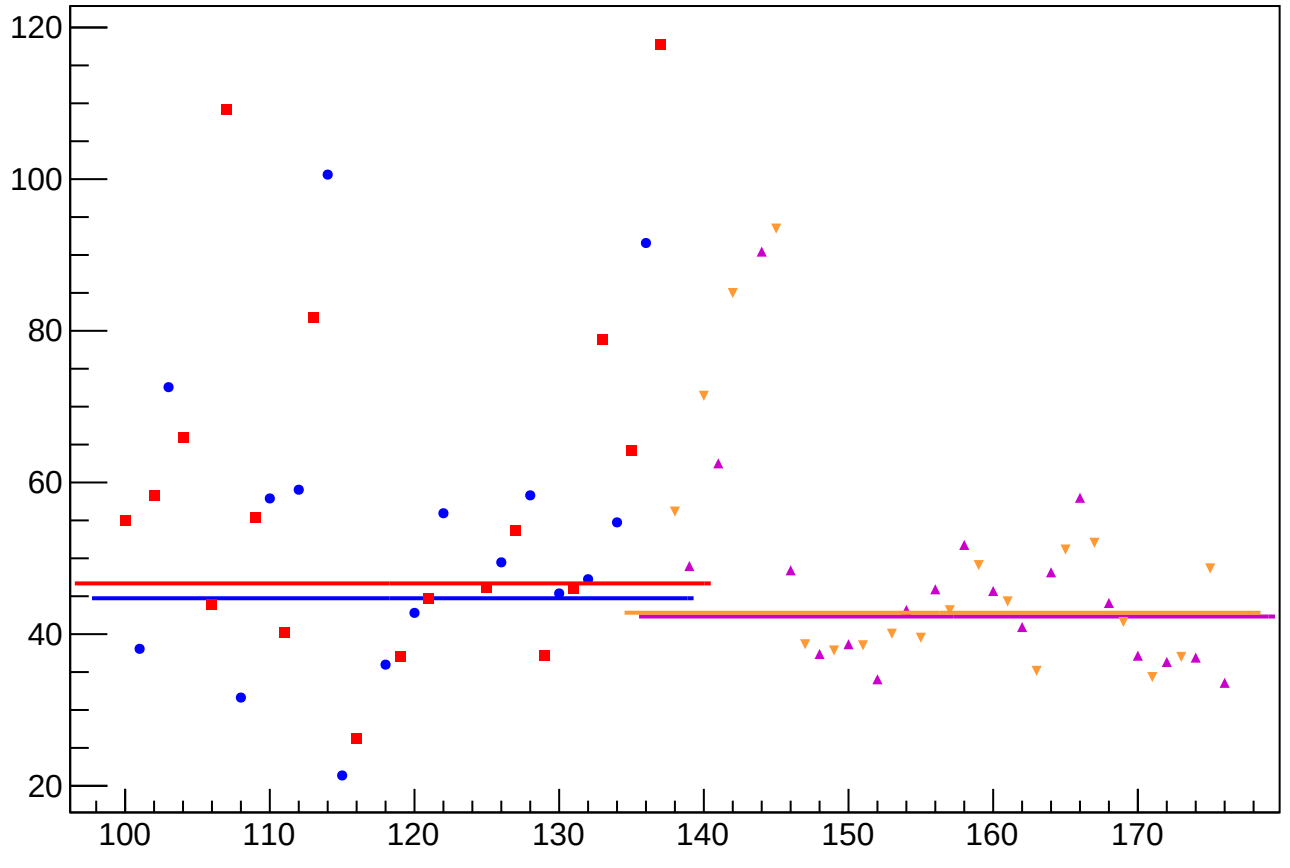
Left: -0.012+/-0.008 χ^2/NDF: 41.2/37

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

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.013+/-0.007 χ^2/NDF: 95.9/71



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

Left Out: 42.828+/-0.008 χ^2/NDF:1389010.4/18

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

Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

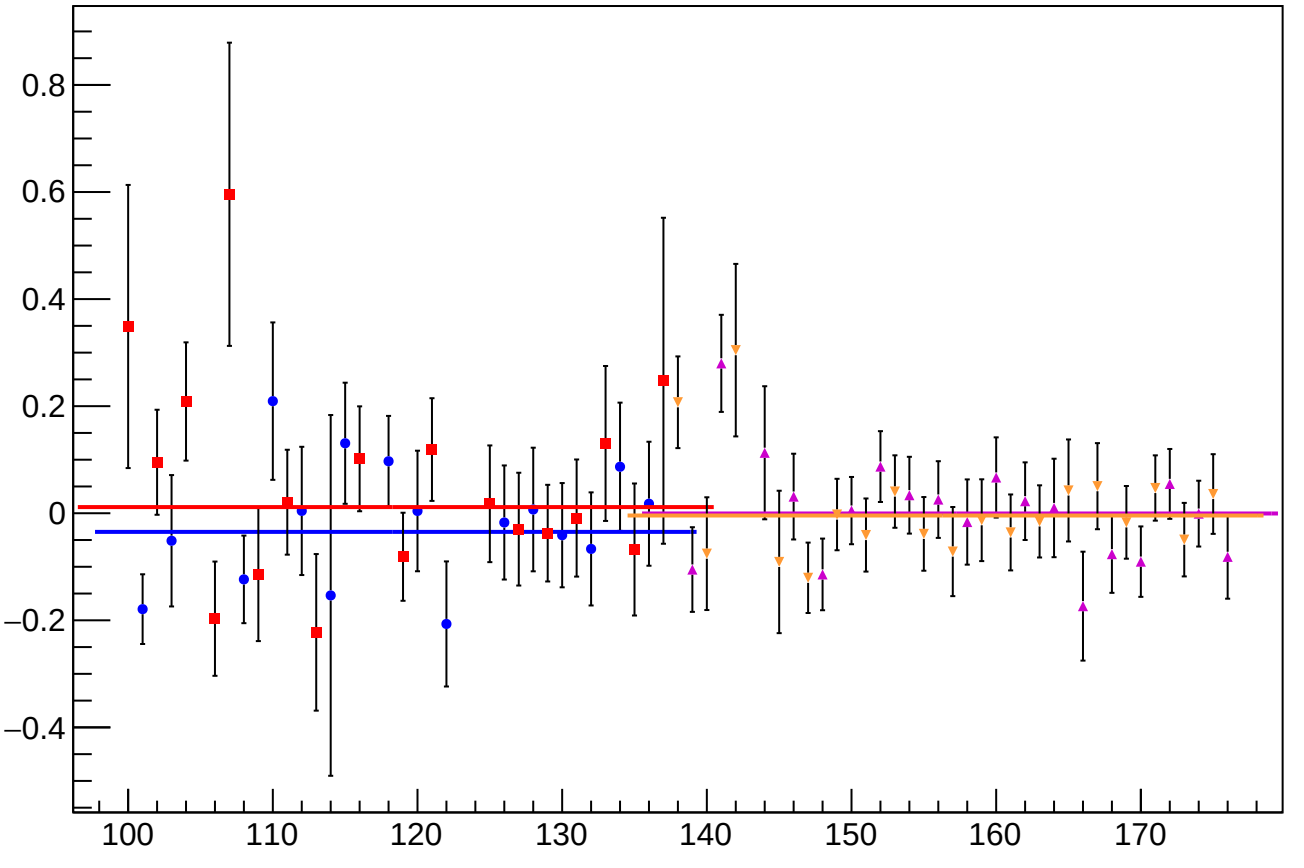
Left: 42.570+/-0.006 χ^2/NDF: 2569084.4/37

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

In: 42.989+/-0.007 χ^2/NDF:2536627.9/34

Out: 43.885+/-0.007 χ^2/NDF:2642101.1/36

All: 43.423+/-0.005 χ^2/NDF: 5186774.5/71



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.017 χ^2/NDF:25.9/18

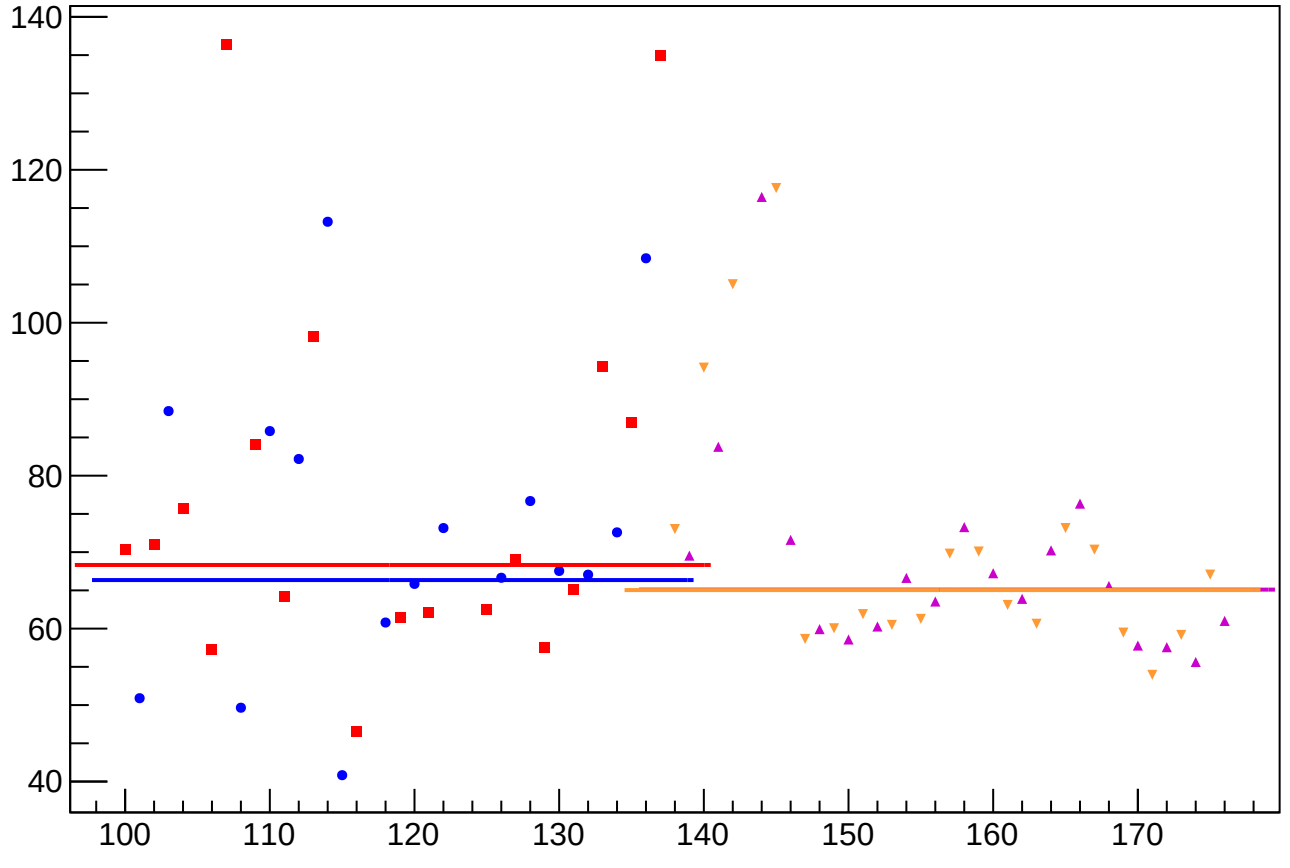
Left: -0.002+/-0.012 χ^2/NDF: 43.8/37

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

In: -0.011+/-0.014 χ^2/NDF:44.6/34

Out: 0.000+/-0.015 χ^2/NDF:40.8/36

All: -0.005+/-0.010 χ^2/NDF: 85.7/71



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.038+/-0.012 χ^2/NDF:799196.9/18

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 65.099+/-0.012 χ^2/NDF:650075.7/18

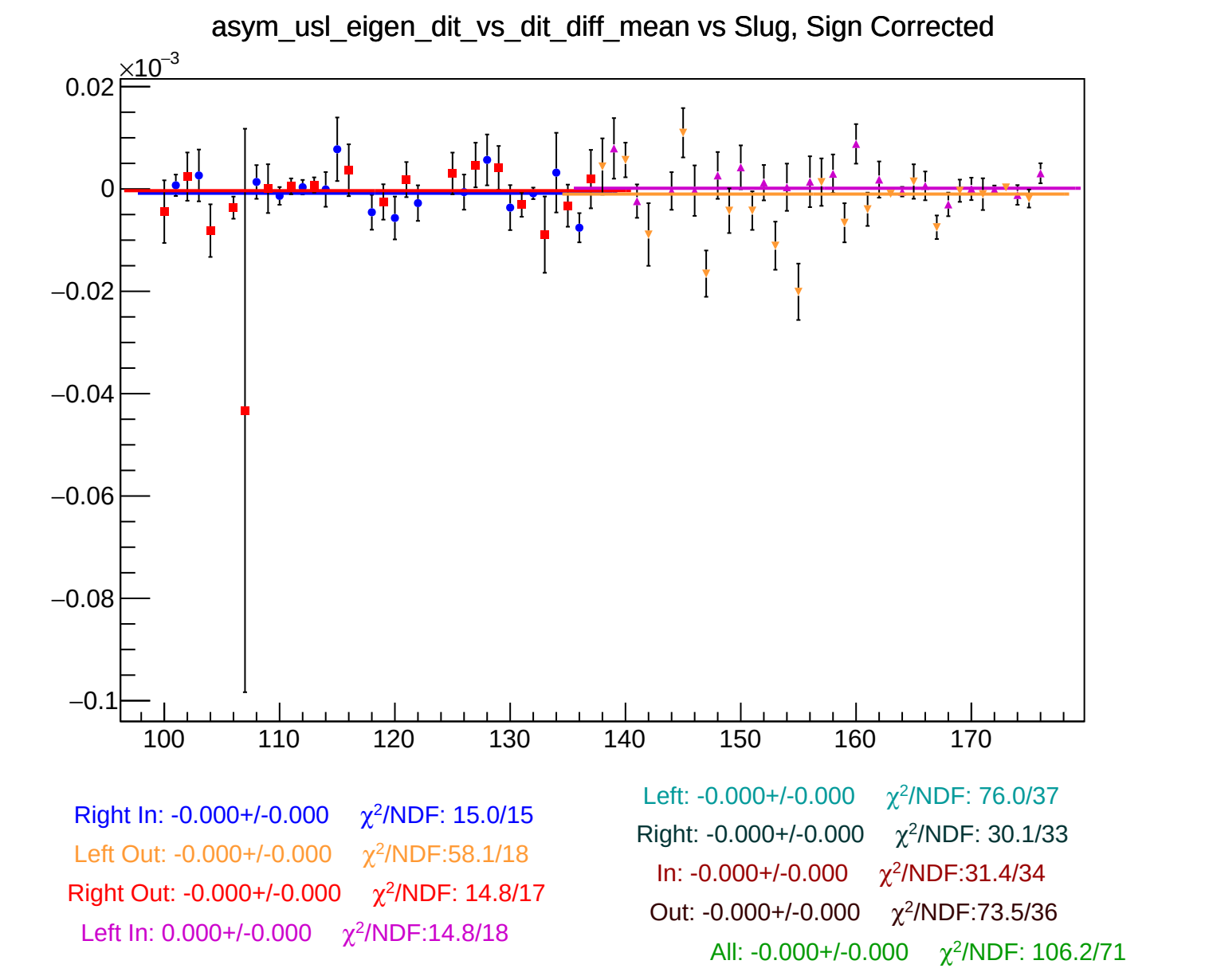
Left: 65.069+/-0.009 χ^2/NDF: 1449285.3/37

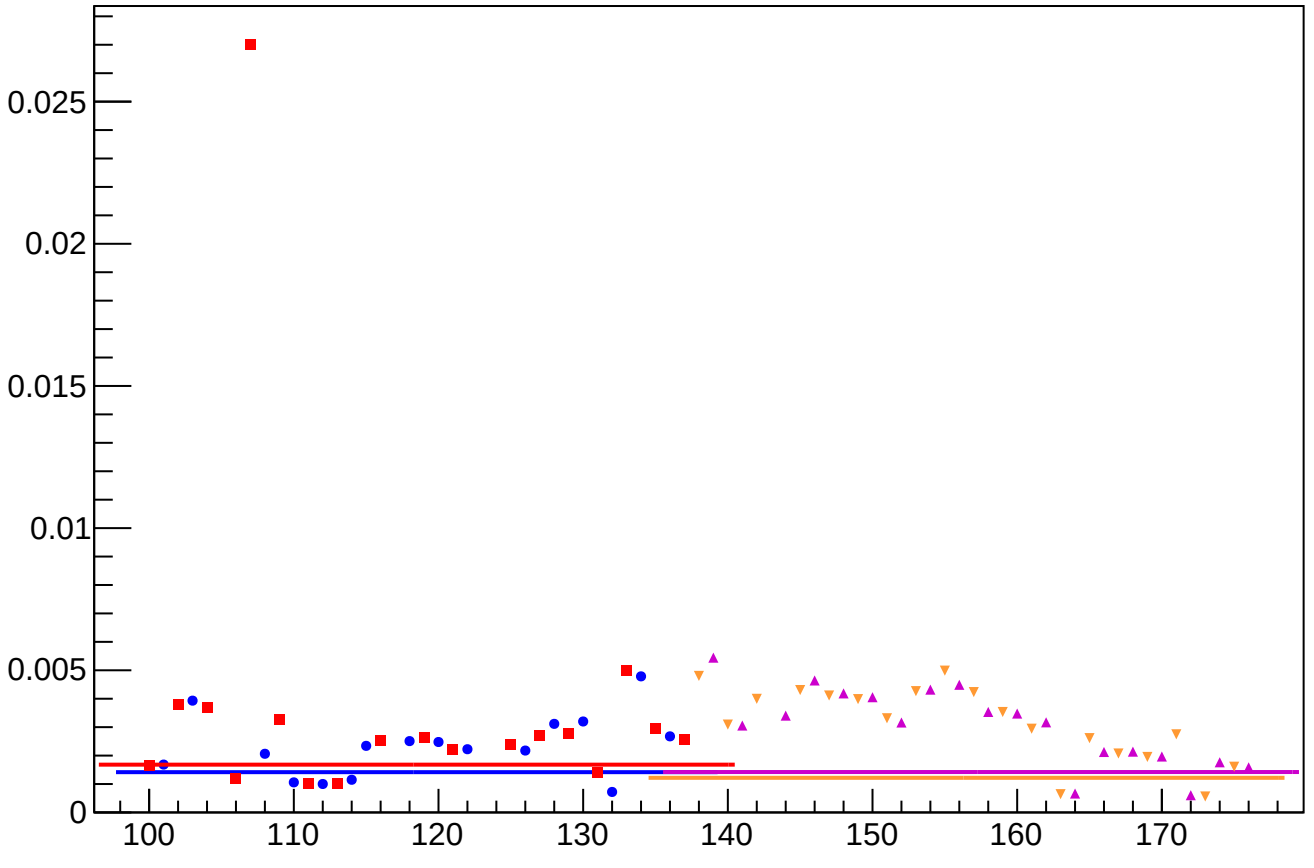
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.471+/-0.010 χ^2/NDF:1425904.9/34

Out: 66.007+/-0.010 χ^2/NDF:1449874.8/36

All: 65.734+/-0.007 χ^2/NDF: 2877154.3/71


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:58.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:14.8/18
Left: -0.000+/-0.000 χ²/NDF: 76.0/37
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:31.4/34
Out: -0.000+/-0.000 χ²/NDF:73.5/36
All: -0.000+/-0.000 χ²/NDF: 106.2/71



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13258871.5/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:11975310.1/18

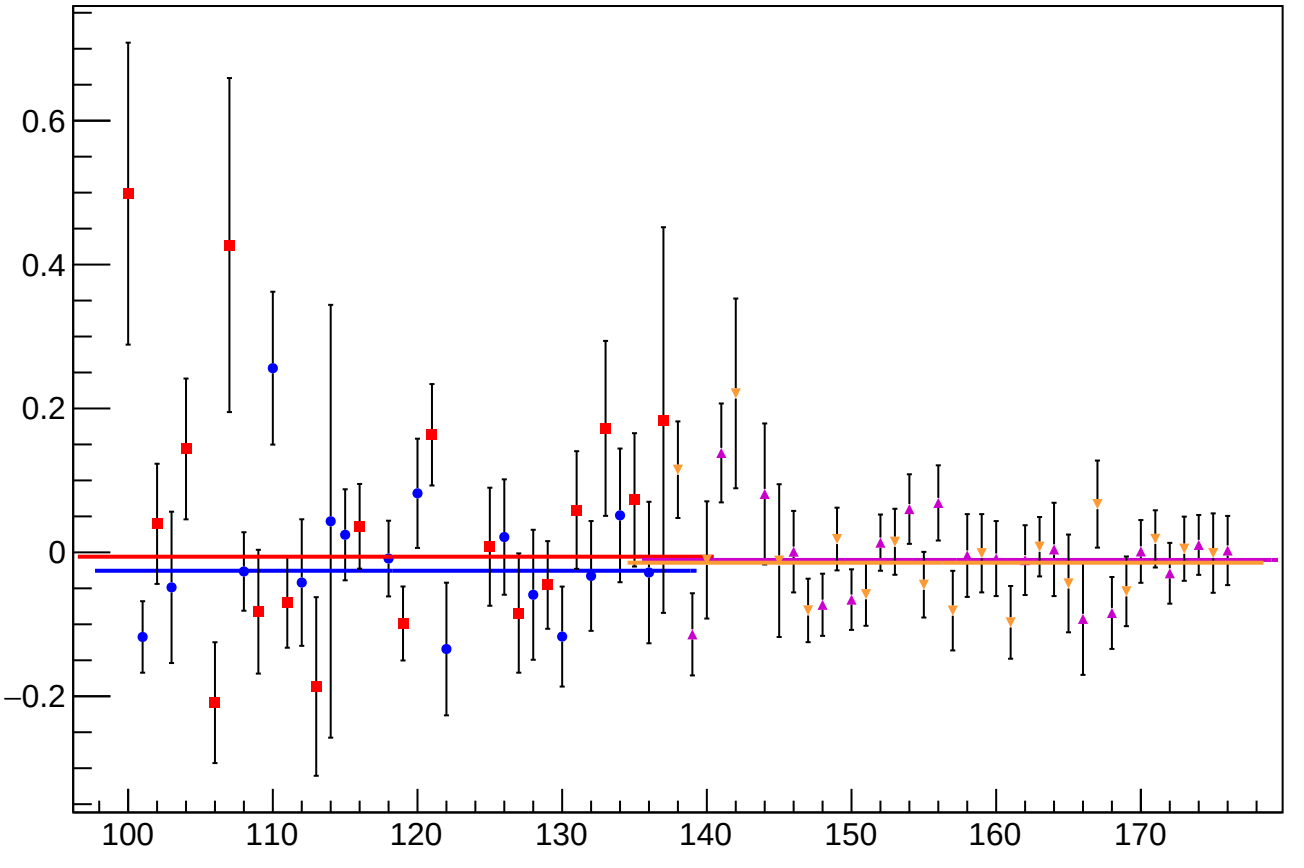
Left: 0.001+/-0.000 χ^2/NDF: 25437131.0/37

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

In: 0.001+/-0.000 χ^2/NDF:15522648.9/34

Out: 0.001+/-0.000 χ^2/NDF:17289675.1/36

All: 0.001+/-0.000 χ^2/NDF: 32859401.6/71



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

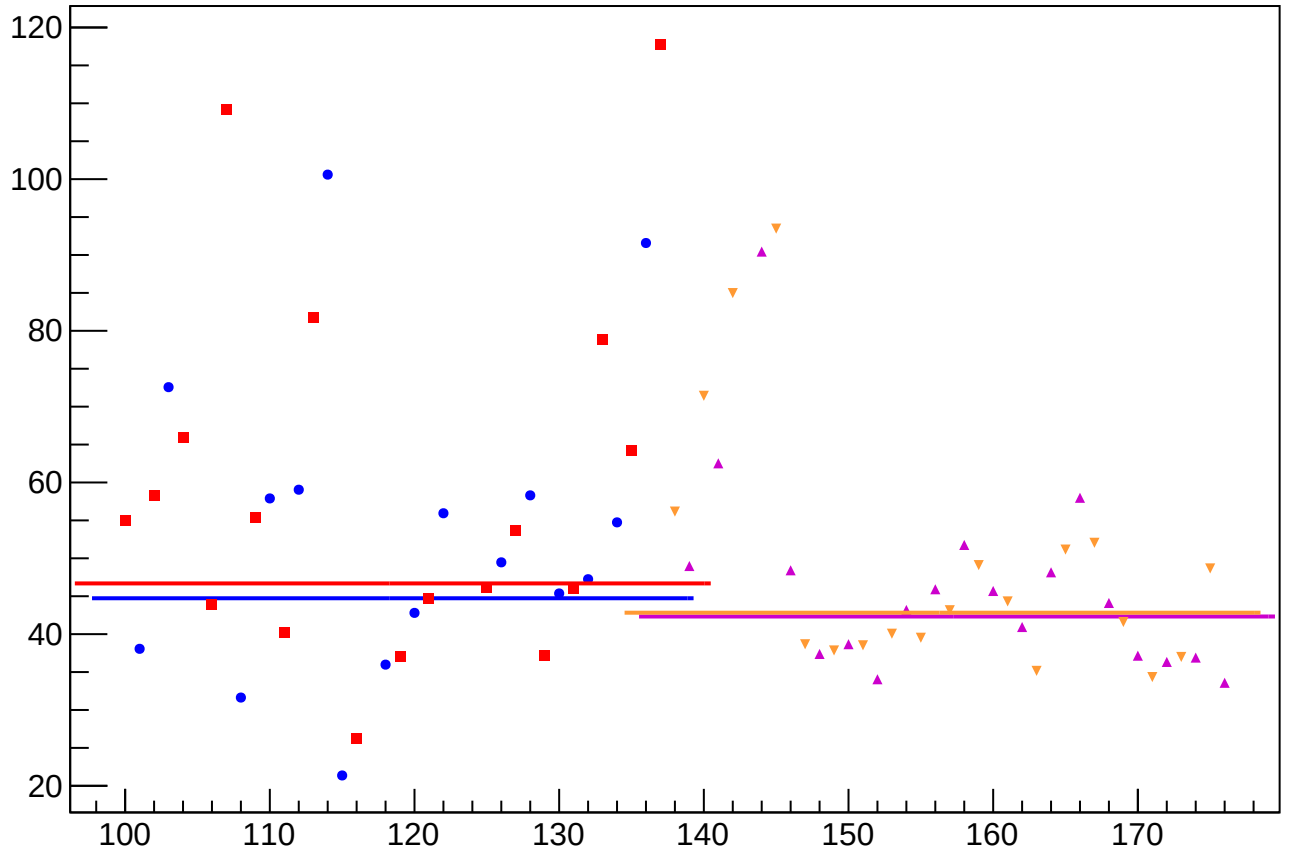
Left: -0.012+/-0.008 χ^2/NDF: 41.2/37

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

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.013+/-0.007 χ^2/NDF: 95.9/71



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

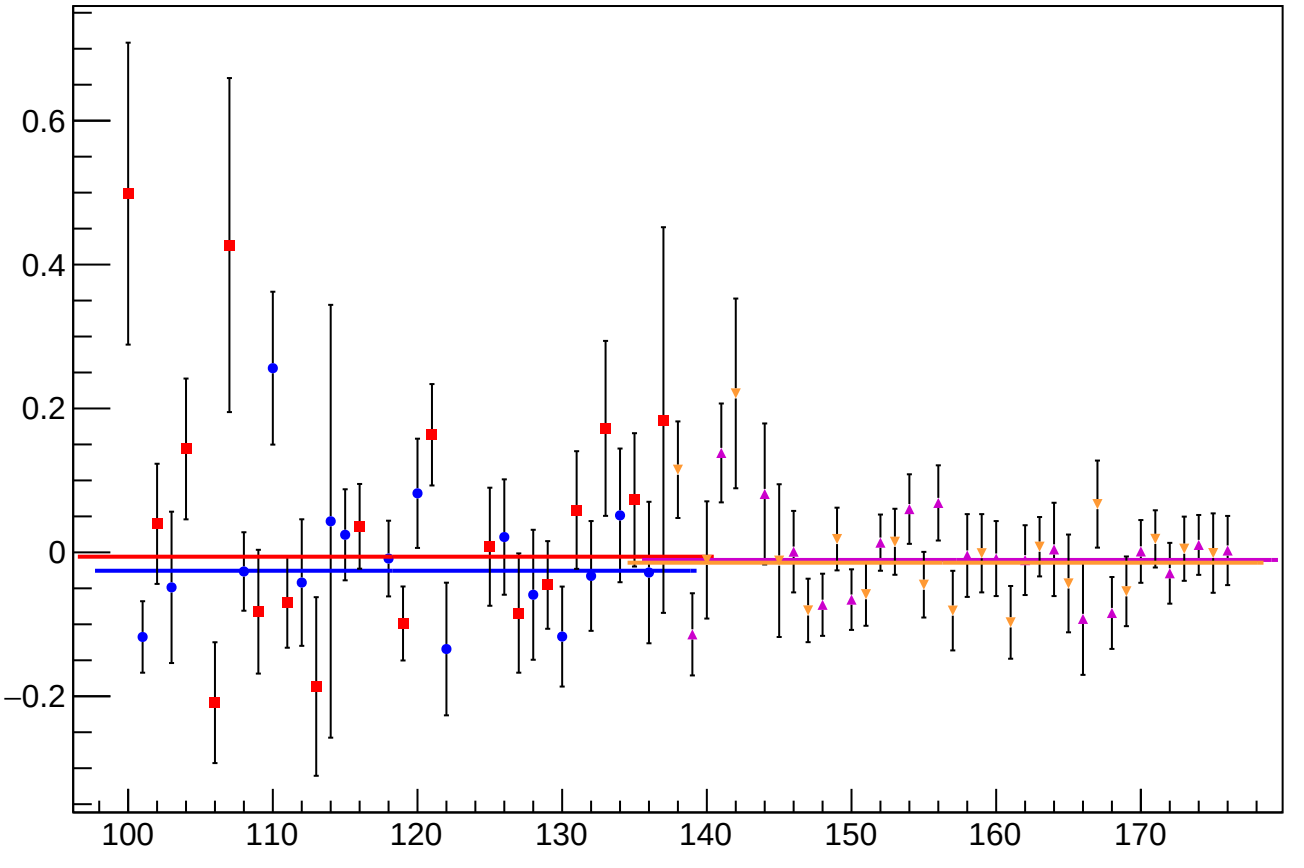
Left: 42.570+/-0.006 χ^2/NDF: 2568996.2/37

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

In: 42.989+/-0.007 χ^2/NDF:2536610.4/34

Out: 43.885+/-0.007 χ^2/NDF:2642077.1/36

All: 43.423+/-0.005 χ^2/NDF: 5186731.2/71



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.014+/-0.012 χ^2/NDF:19.7/18

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

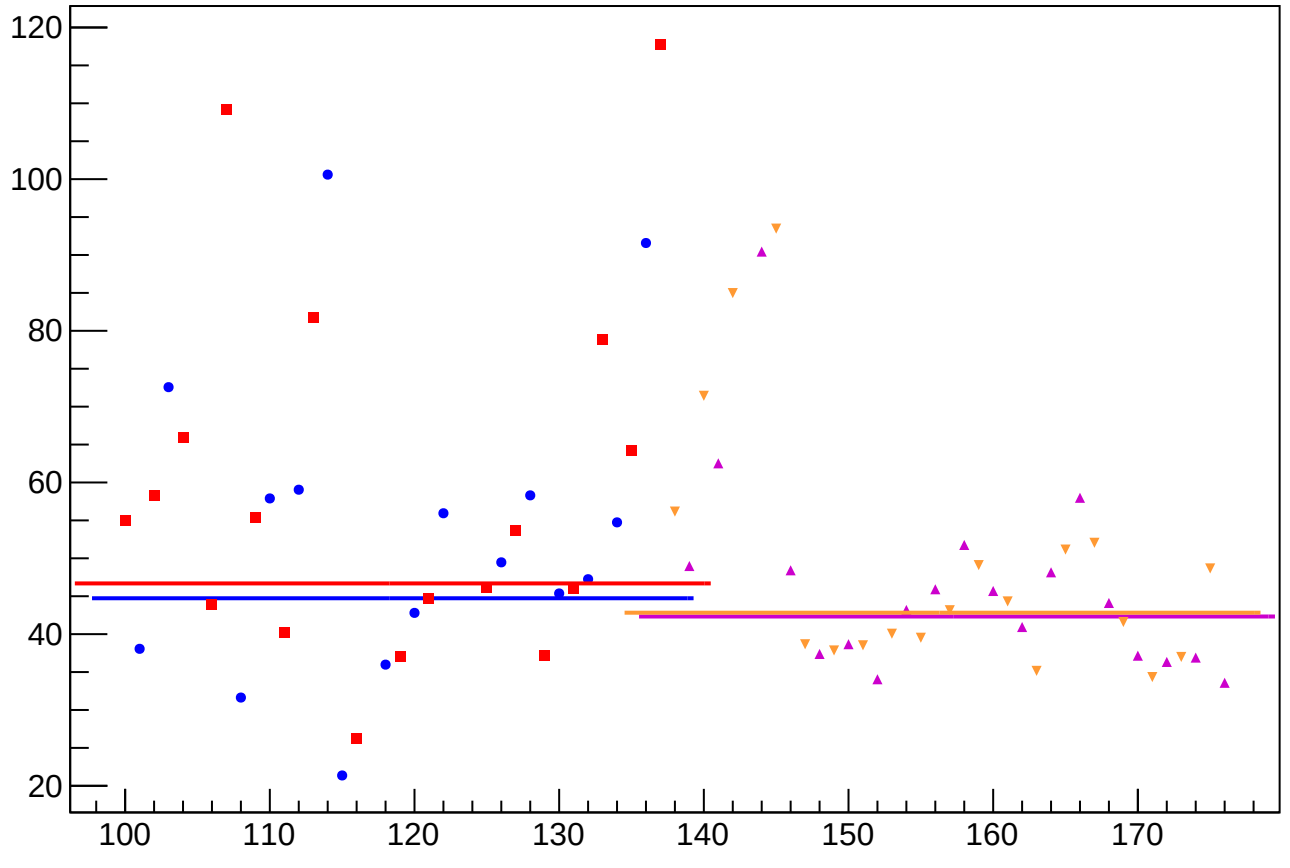
Left: -0.012+/-0.008 χ^2/NDF: 41.2/37

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

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.012+/-0.010 χ^2/NDF:56.3/36

All: -0.013+/-0.007 χ^2/NDF: 95.9/71



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.828+/-0.008 χ^2/NDF:1388978.4/18

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

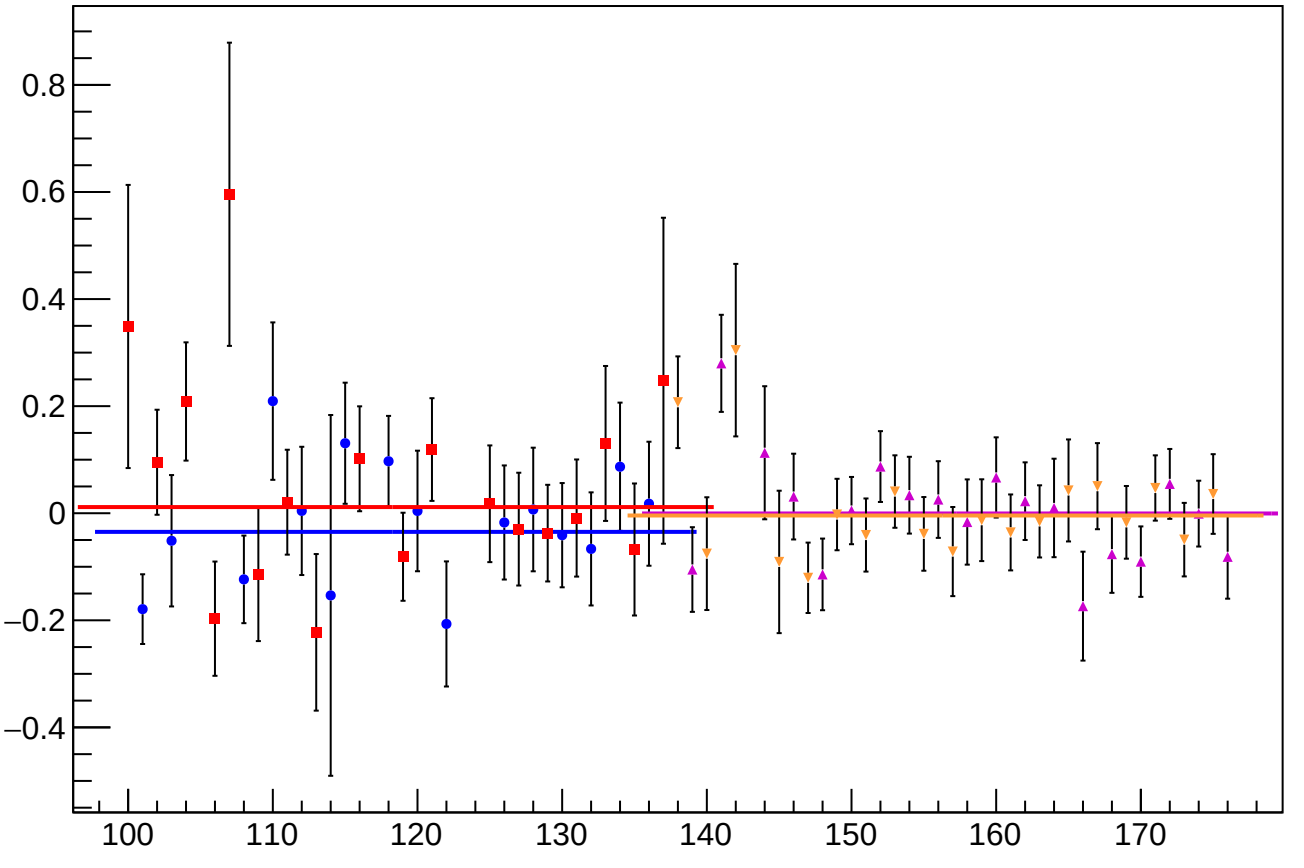
Left: 42.570+/-0.006 χ^2/NDF: 2568996.2/37

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

In: 42.989+/-0.007 χ^2/NDF:2536610.4/34

Out: 43.885+/-0.007 χ^2/NDF:2642077.1/36

All: 43.423+/-0.005 χ^2/NDF: 5186731.2/71



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.004+/-0.017 χ^2/NDF:17.8/18

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.017 χ^2/NDF:25.9/18

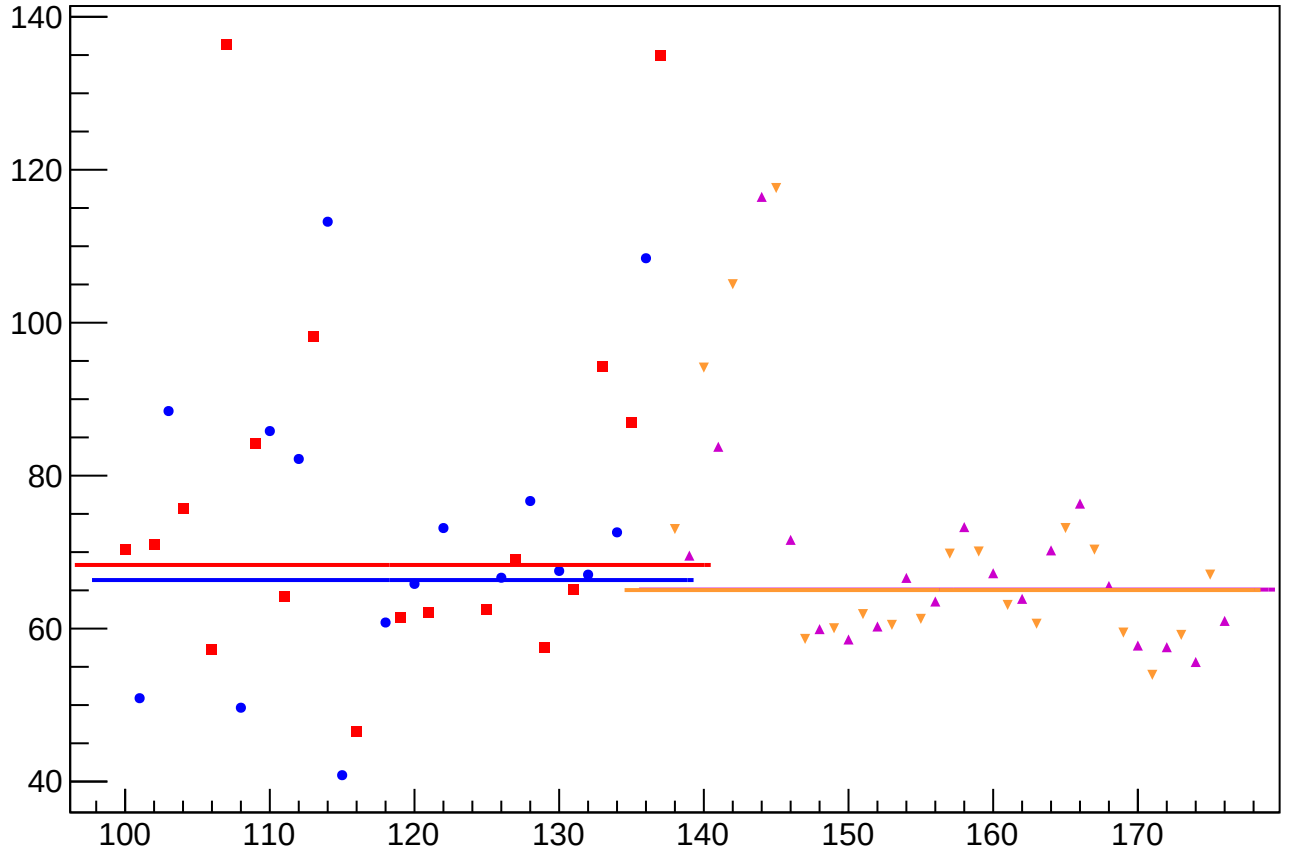
Left: -0.002+/-0.012 χ^2/NDF: 43.8/37

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

In: -0.011+/-0.014 χ^2/NDF:44.6/34

Out: 0.000+/-0.015 χ^2/NDF:40.8/36

All: -0.005+/-0.010 χ^2/NDF: 85.7/71



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.038+/-0.012 χ^2/NDF:799184.3/18

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 65.099+/-0.012 χ^2/NDF:650065.1/18

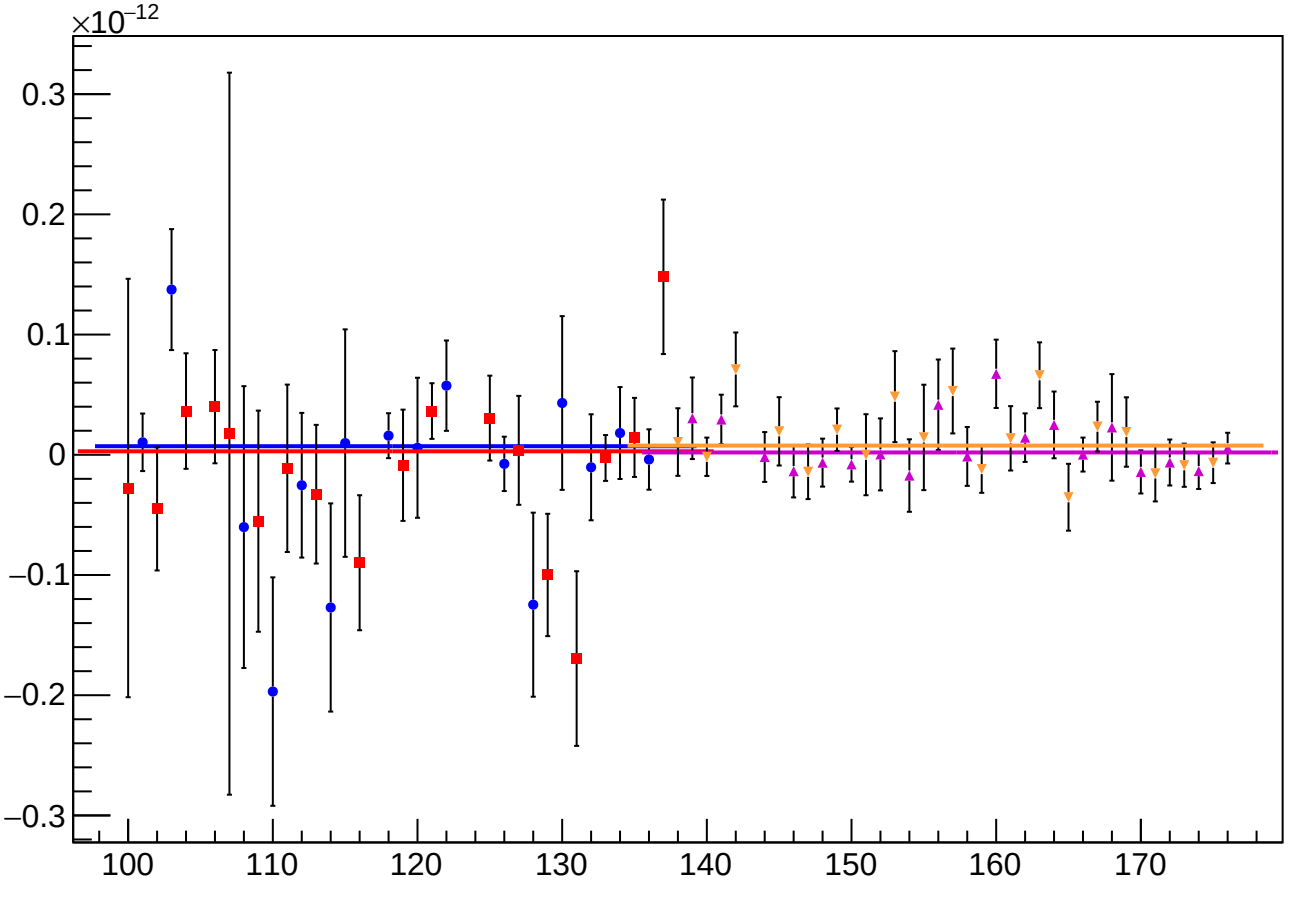
Left: 65.069+/-0.009 χ^2/NDF: 1449262.1/37

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

In: 65.471+/-0.010 χ^2/NDF:1425898.3/34

Out: 66.007+/-0.010 χ^2/NDF:1449848.2/36

All: 65.734+/-0.007 χ^2/NDF: 2877120.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

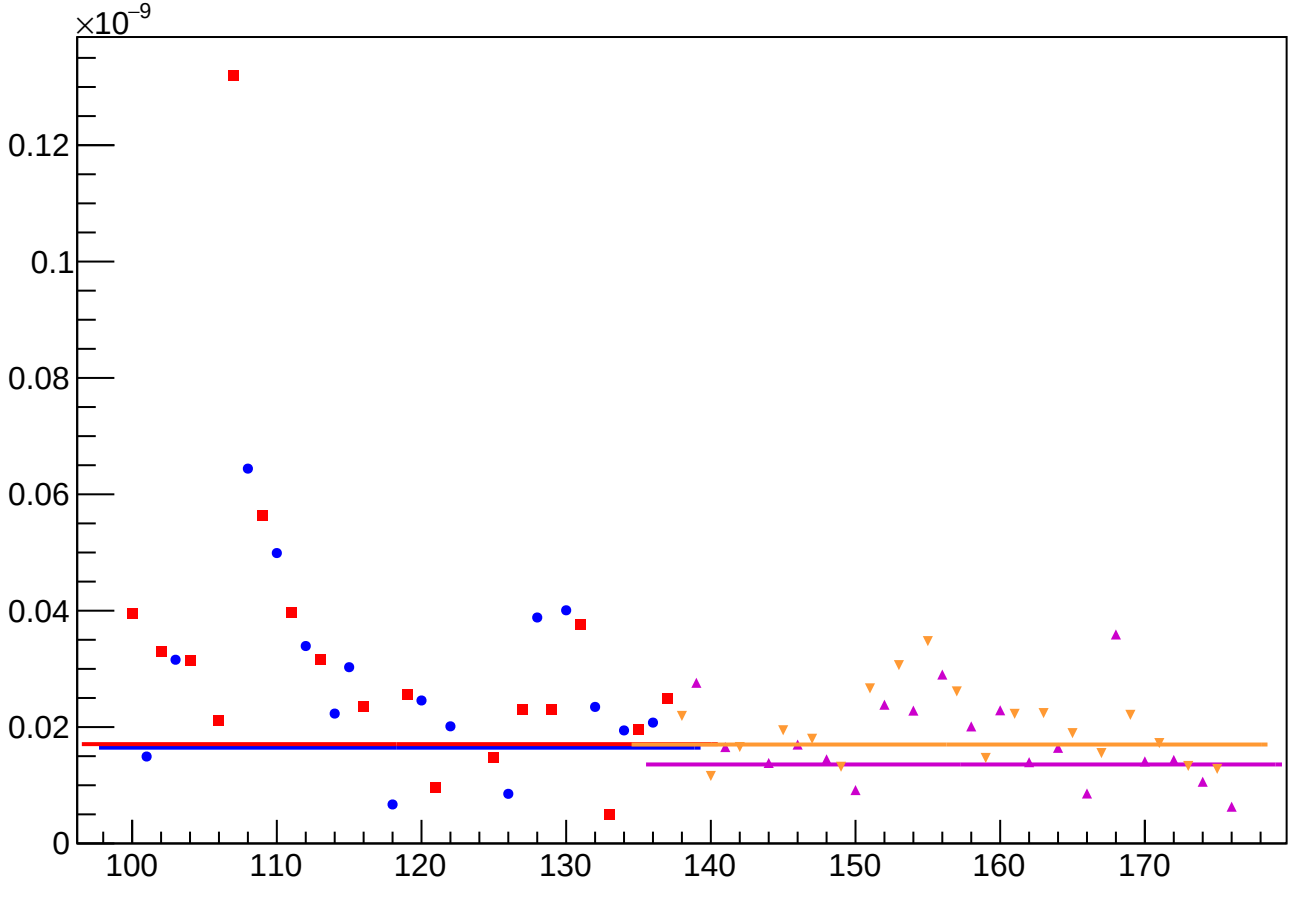
Left: 0.000+/-0.000 χ^2/NDF: 35.0/37

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:43.9/36

All: 0.000+/-0.000 χ^2/NDF: 78.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761904.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3253529.2/18

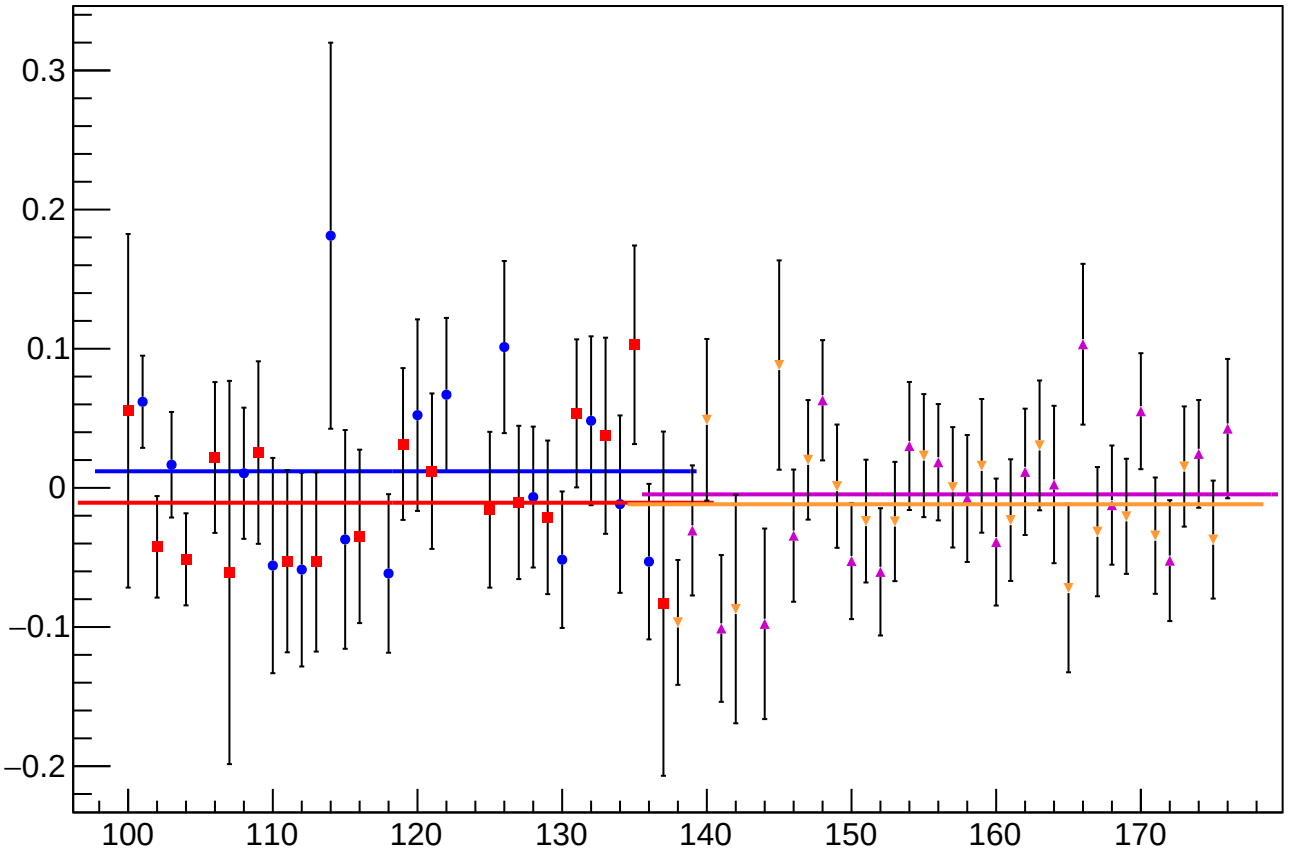
Left: 0.000+/-0.000 χ^2/NDF: 5477950.9/37

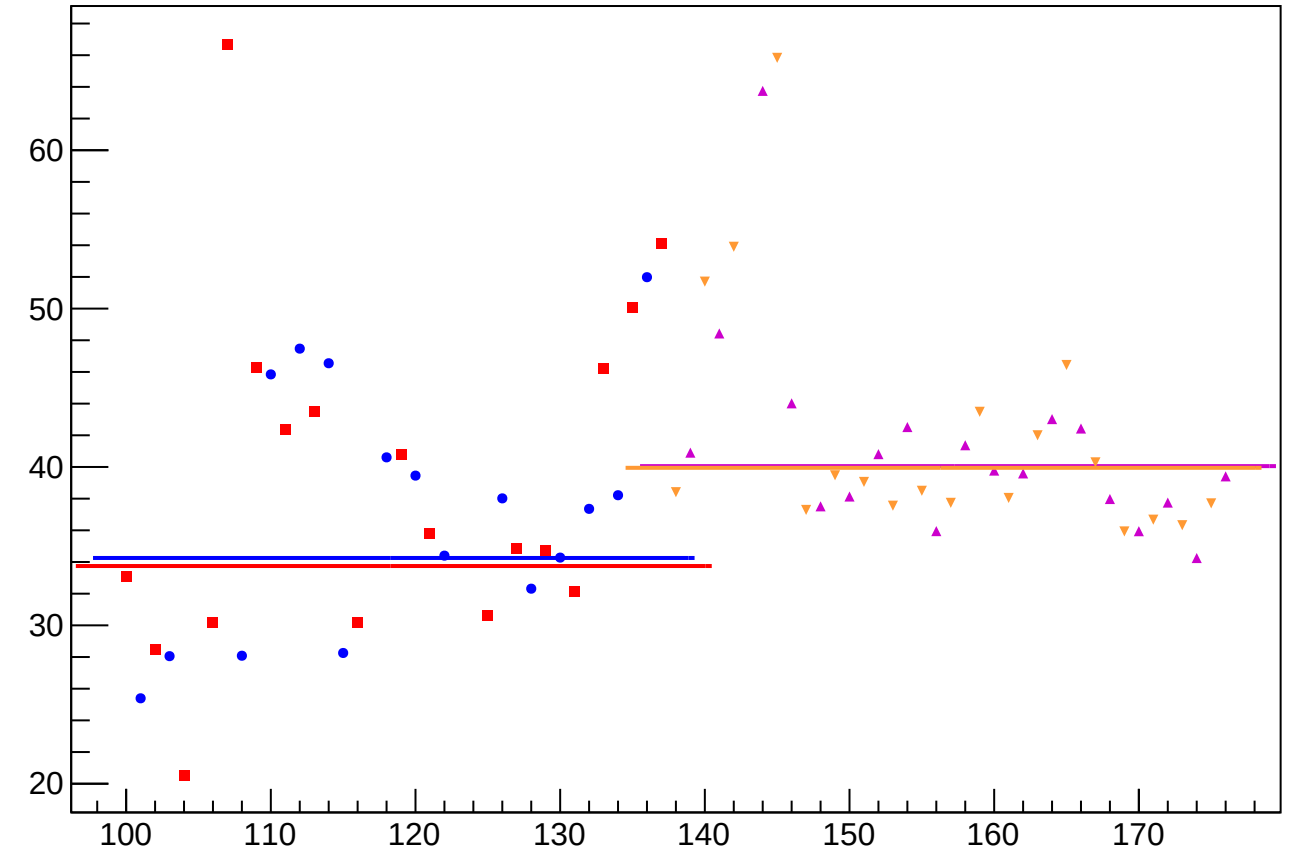
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:5756507.9/34

Out: 0.000+/-0.000 χ^2/NDF:4553329.6/36

All: 0.000+/-0.000 χ^2/NDF: 10722491.0/71


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: -0.012+/-0.011 χ²/NDF:12.3/18
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.005+/-0.011 χ²/NDF:21.0/18
Left: -0.008+/-0.008 χ²/NDF: 33.4/37
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: 0.002+/-0.008 χ²/NDF:36.6/34
Out: -0.011+/-0.008 χ²/NDF:22.2/36
All: -0.005+/-0.006 χ²/NDF: 60.0/71



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

Left: 40.001+/-0.005 χ^2/NDF: 920753.6/37

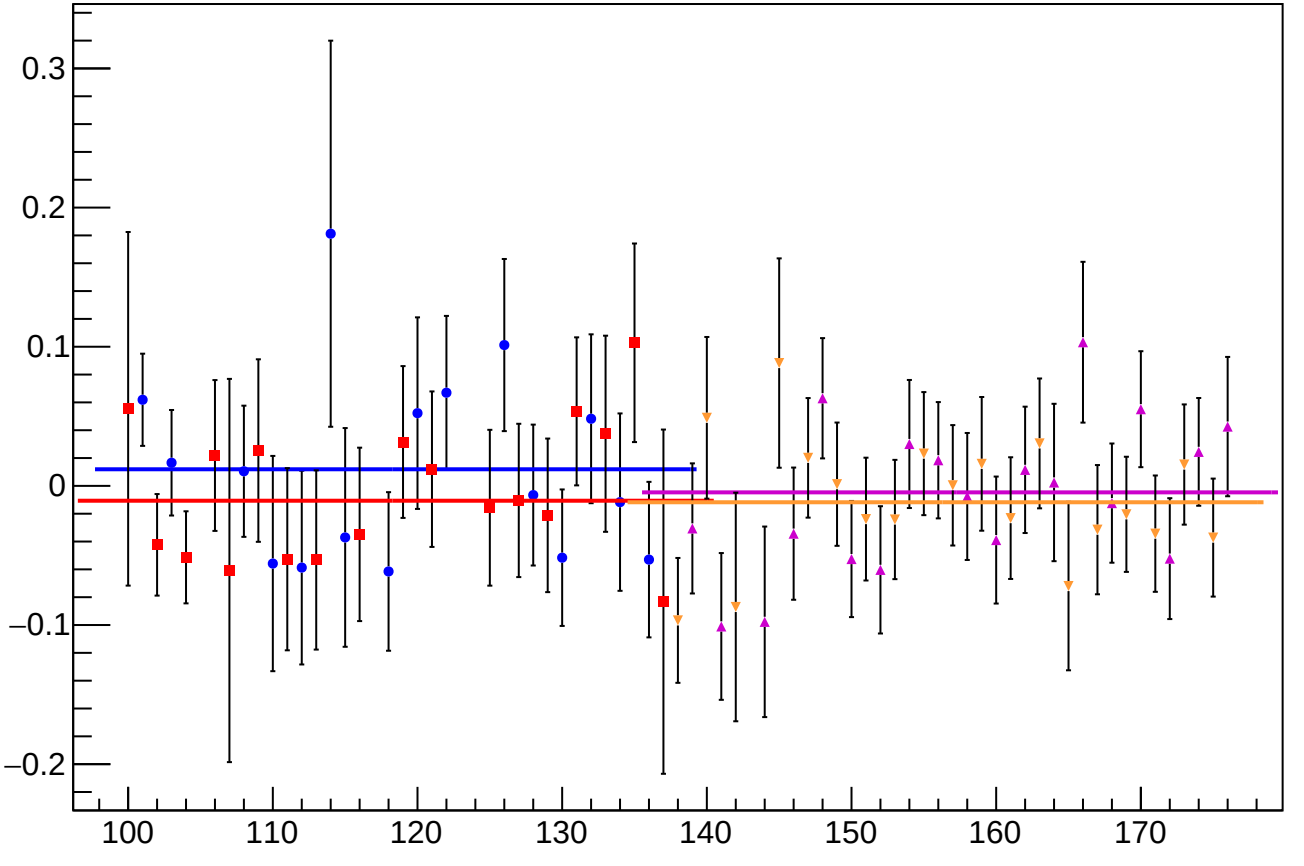
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.862+/-0.006 χ^2/NDF:1288924.4/34

Out: 37.531+/-0.006 χ^2/NDF:1665258.8/36

All: 37.697+/-0.004 χ^2/NDF: 2955735.8/71

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.011 χ^2/NDF:12.3/18

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.011 χ^2/NDF:21.0/18

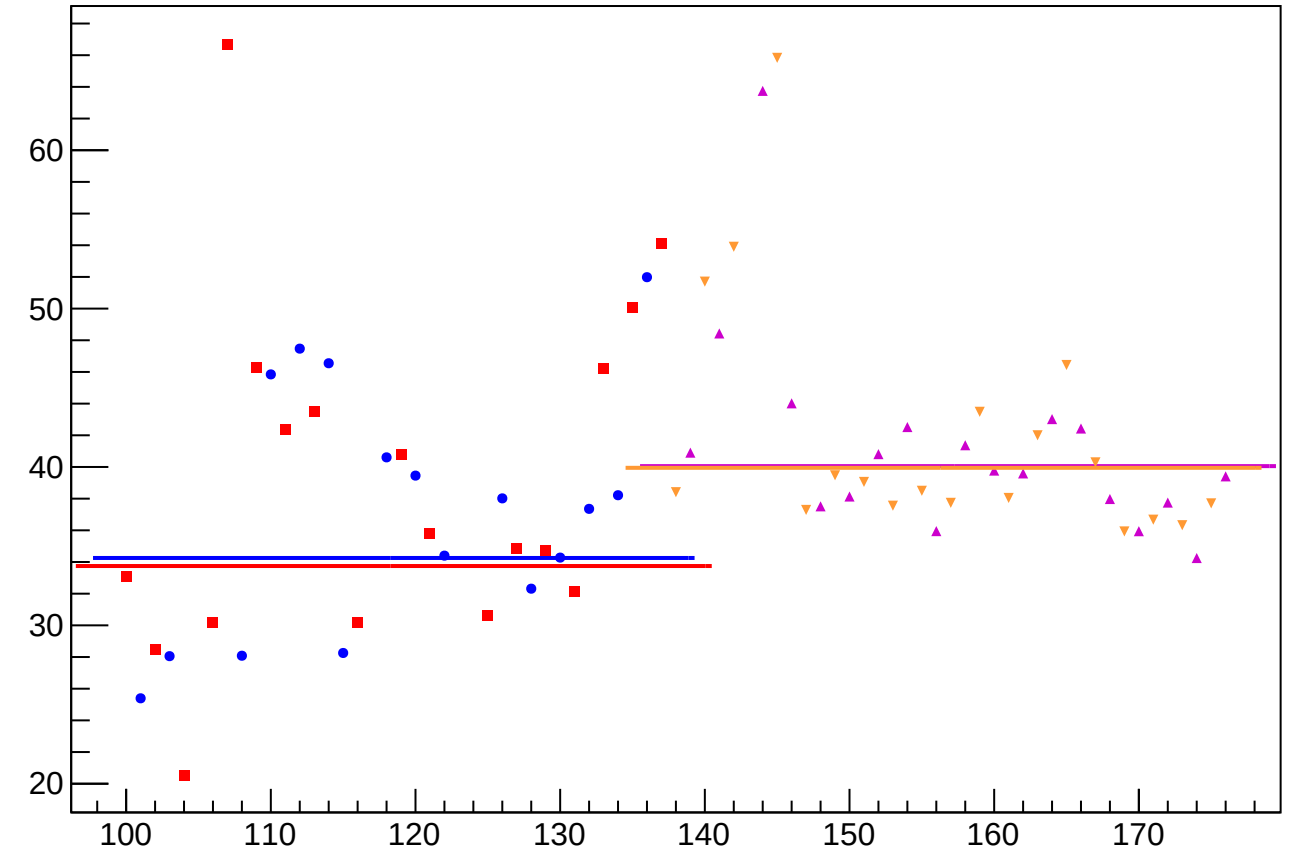
Left: -0.008+/-0.008 χ^2/NDF: 33.4/37

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.008 χ^2/NDF:36.6/34

Out: -0.011+/-0.008 χ^2/NDF:22.2/36

All: -0.005+/-0.006 χ^2/NDF: 60.0/71



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.947+/-0.008 χ^2/NDF:493517.5/18

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

Left: 40.001+/-0.005 χ^2/NDF: 920753.6/37

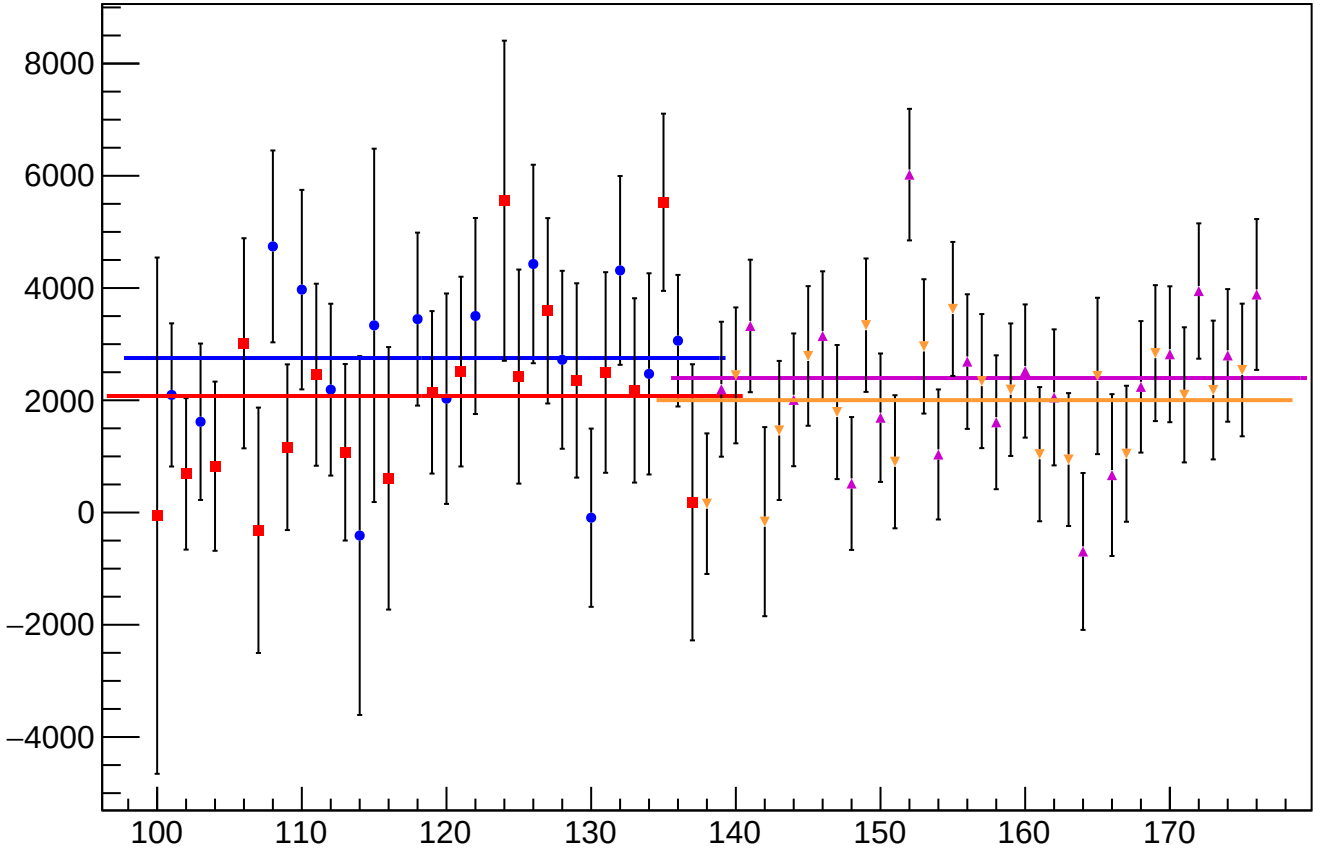
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.862+/-0.006 χ^2/NDF:1288924.4/34

Out: 37.531+/-0.006 χ^2/NDF:1665258.8/36

All: 37.697+/-0.004 χ^2/NDF: 2955735.8/71

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2197.288+/-195.231 χ^2/NDF: 38.3/38

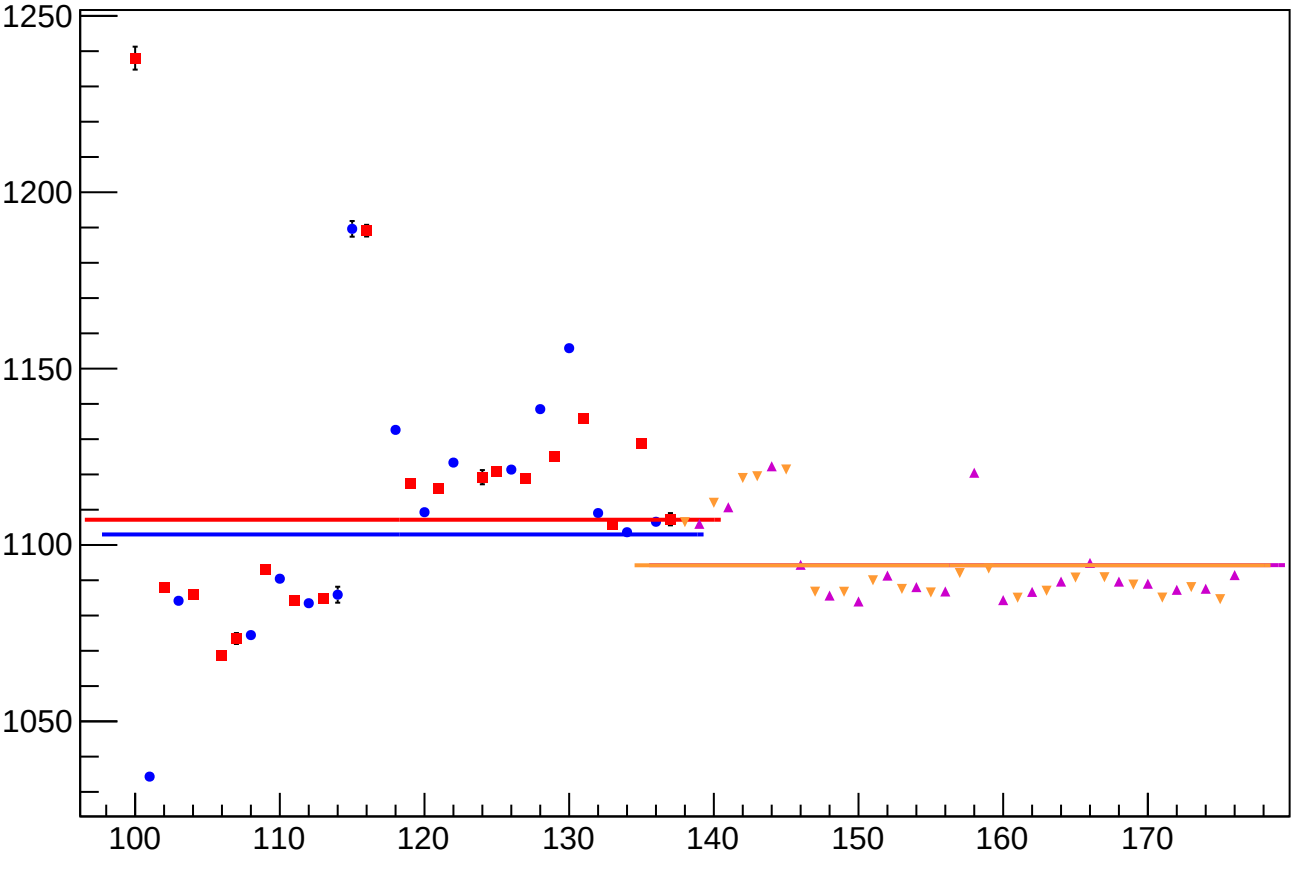
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2264.303+/-161.537 χ^2/NDF: 62.1/73

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

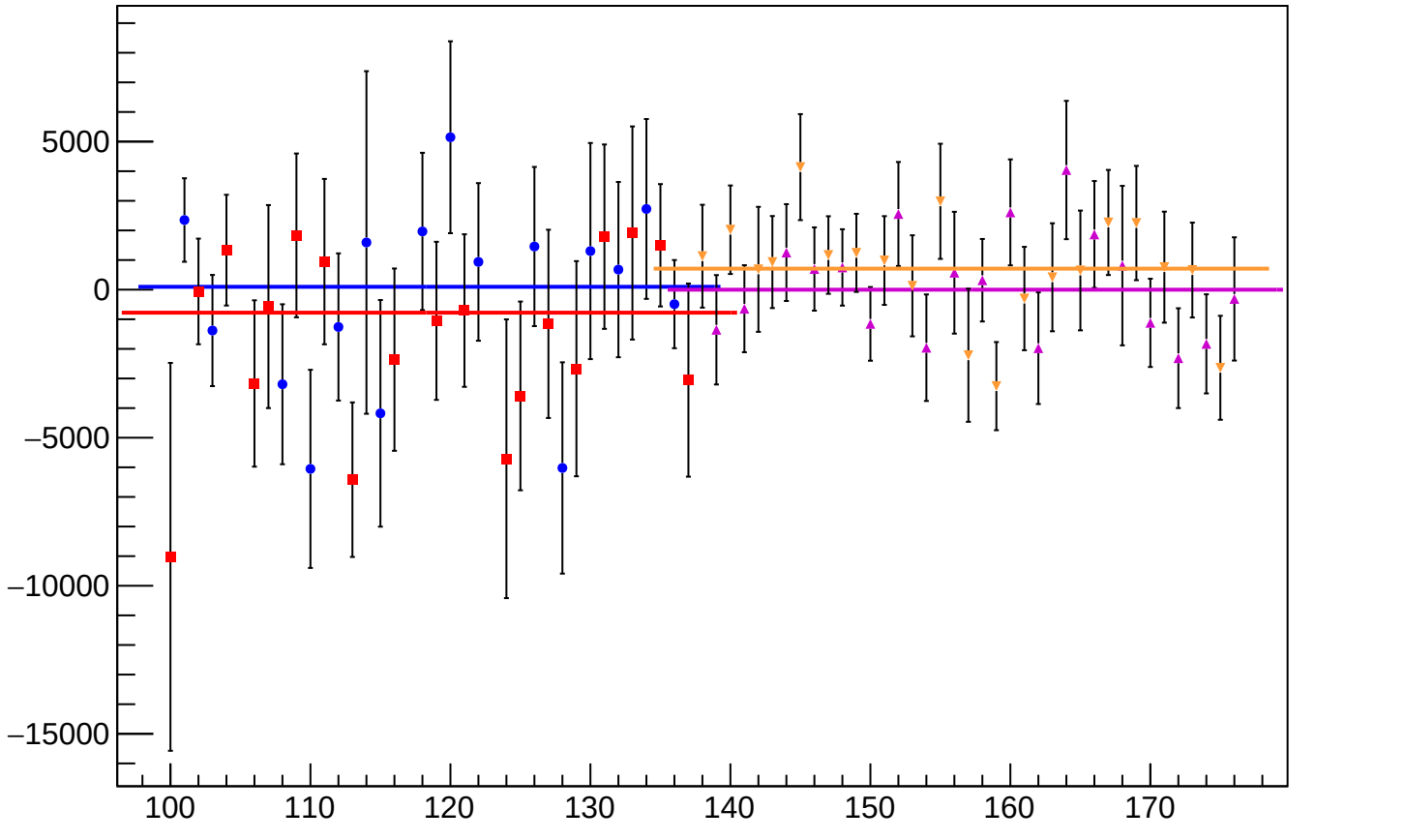
Left: 1094.266+/-0.138 χ^2/NDF: 7261.2/38

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

In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1.455+/-381.181 χ^2/NDF:17.2/18

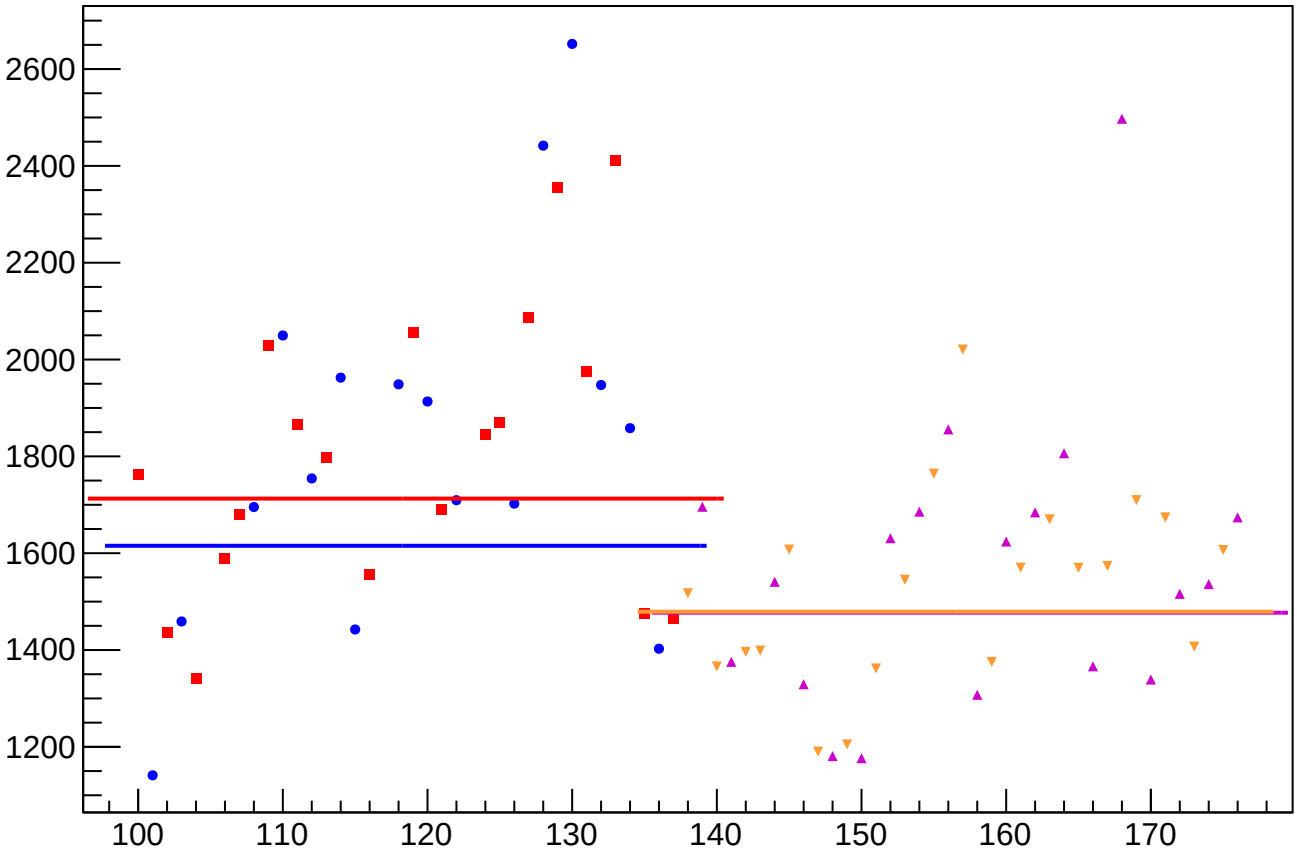
Left: 358.147+/-267.927 χ^2/NDF: 39.5/38

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

In: 25.384+/-324.445 χ^2/NDF:34.2/34

Out: 324.204+/-324.224 χ^2/NDF:39.6/38

All: 174.896+/-229.339 χ^2/NDF: 74.3/73



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

Left: 1478.148+/-0.189 χ^2/NDF: 1336111.9/38

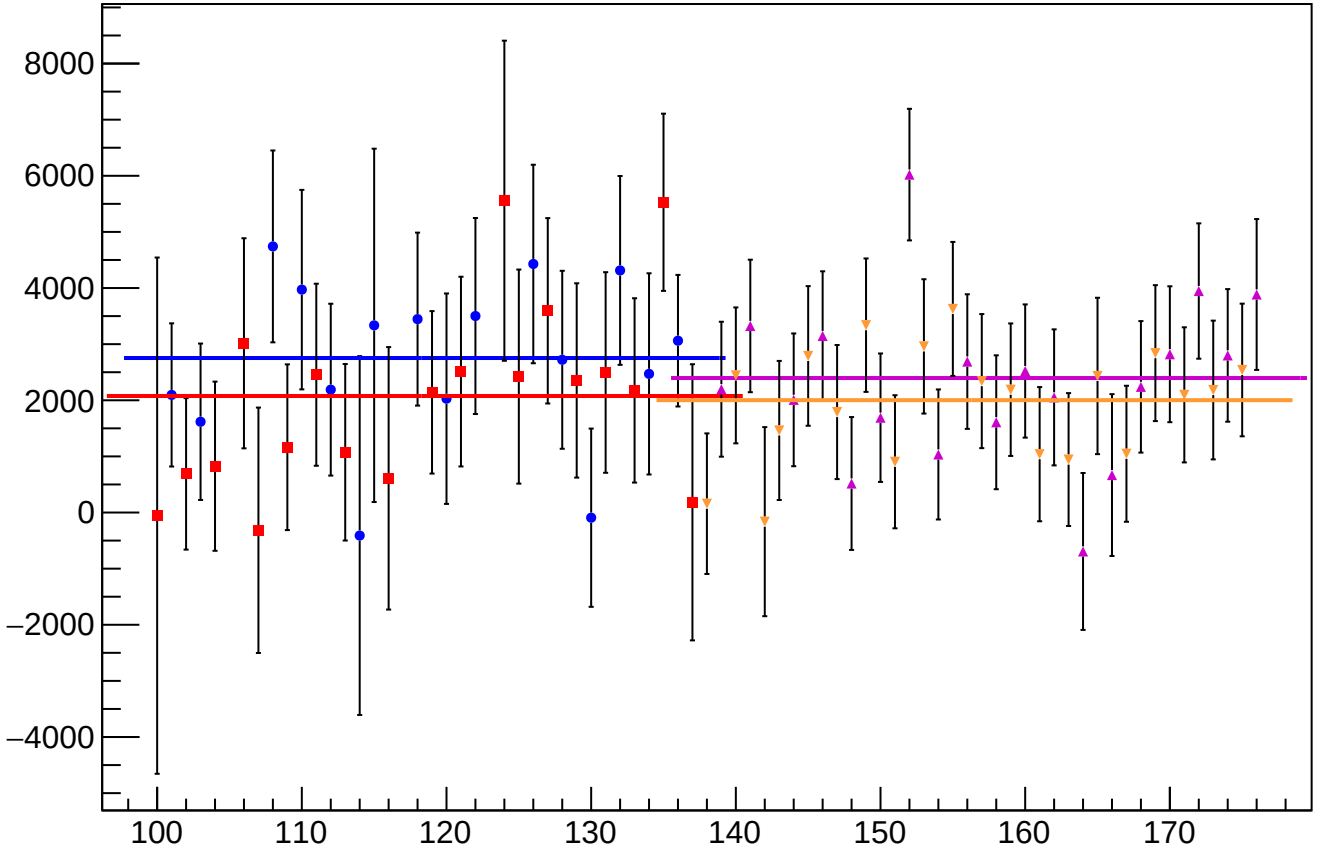
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2197.288+/-195.231 χ^2/NDF: 38.3/38

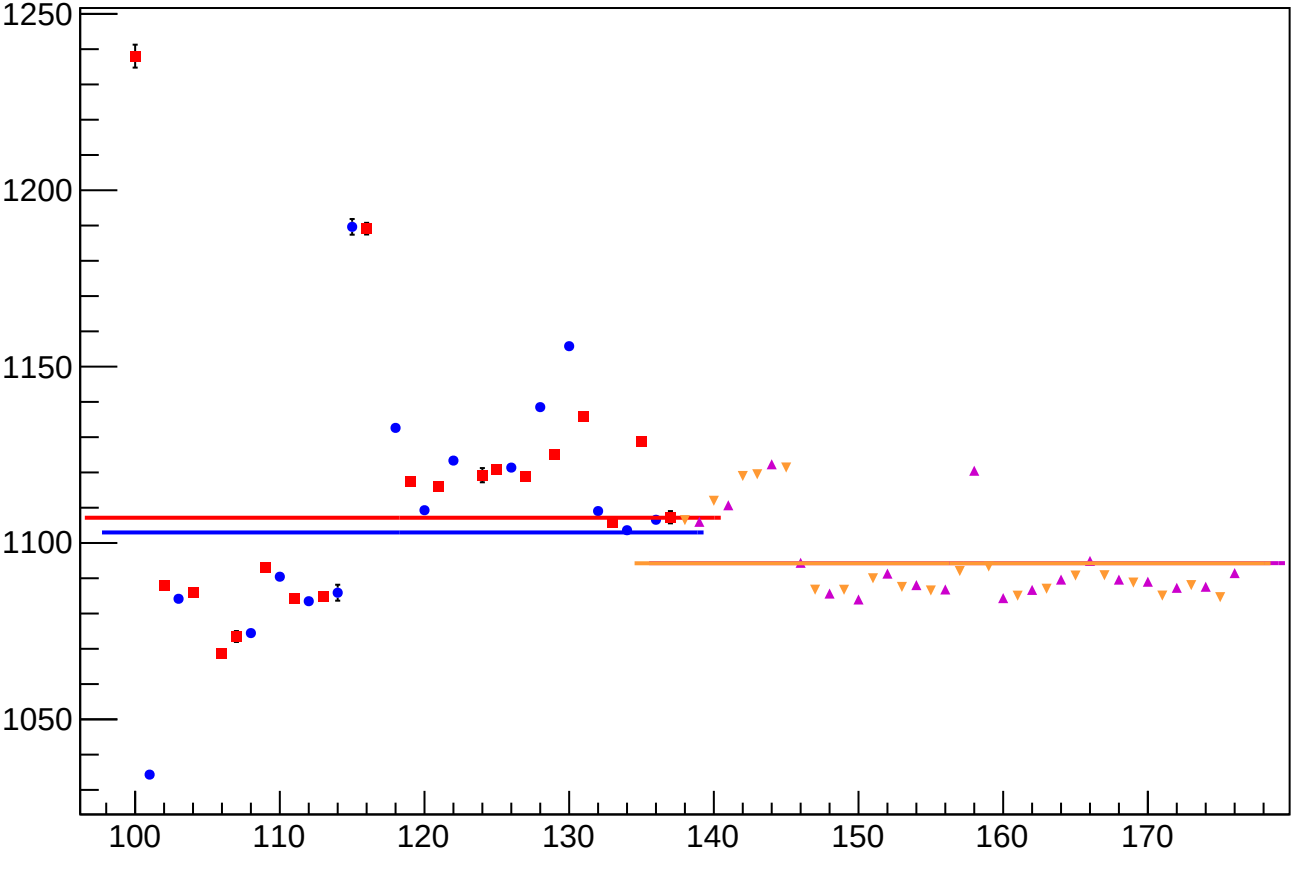
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2264.303+/-161.537 χ^2/NDF: 62.1/73

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

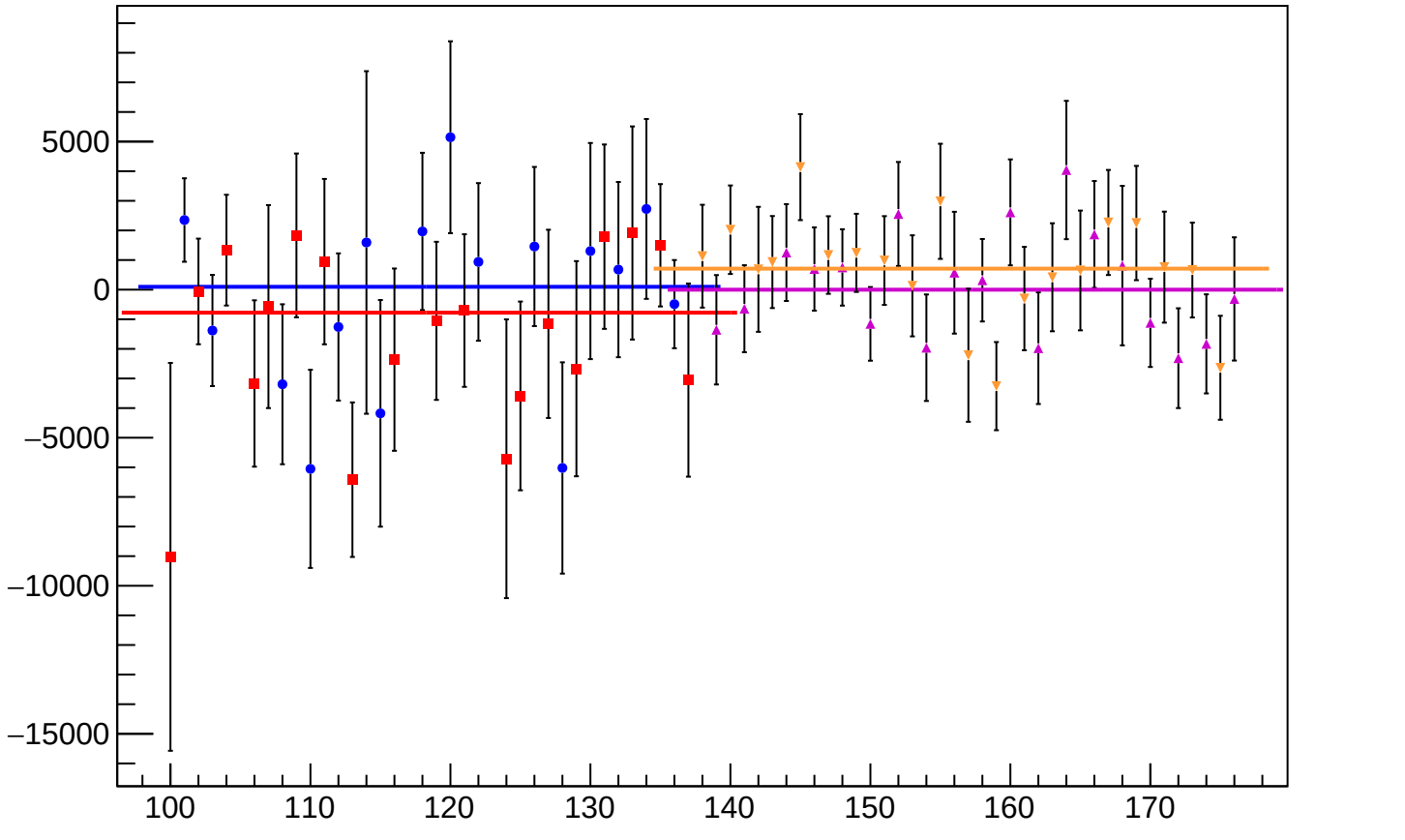
Left: 1094.266+/-0.138 χ^2/NDF: 7261.2/38

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

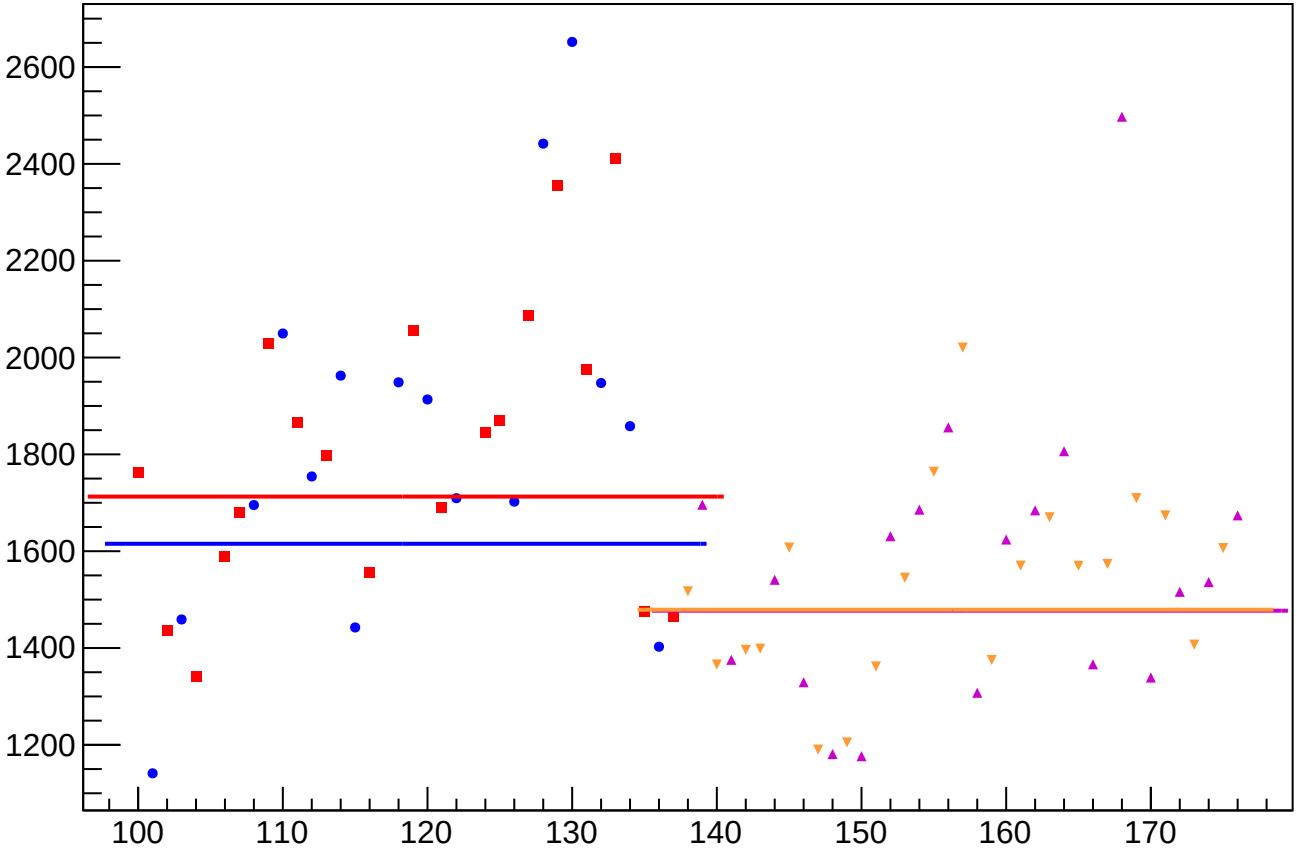
In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73


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: 709.292+/-376.672 χ²/NDF:20.5/19
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: -1.455+/-381.181 χ²/NDF:17.2/18
Left: 358.147+/-267.927 χ²/NDF: 39.5/38
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 25.384+/-324.445 χ²/NDF:34.2/34
Out: 324.204+/-324.224 χ²/NDF:39.6/38
All: 174.896+/-229.339 χ²/NDF: 74.3/73

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

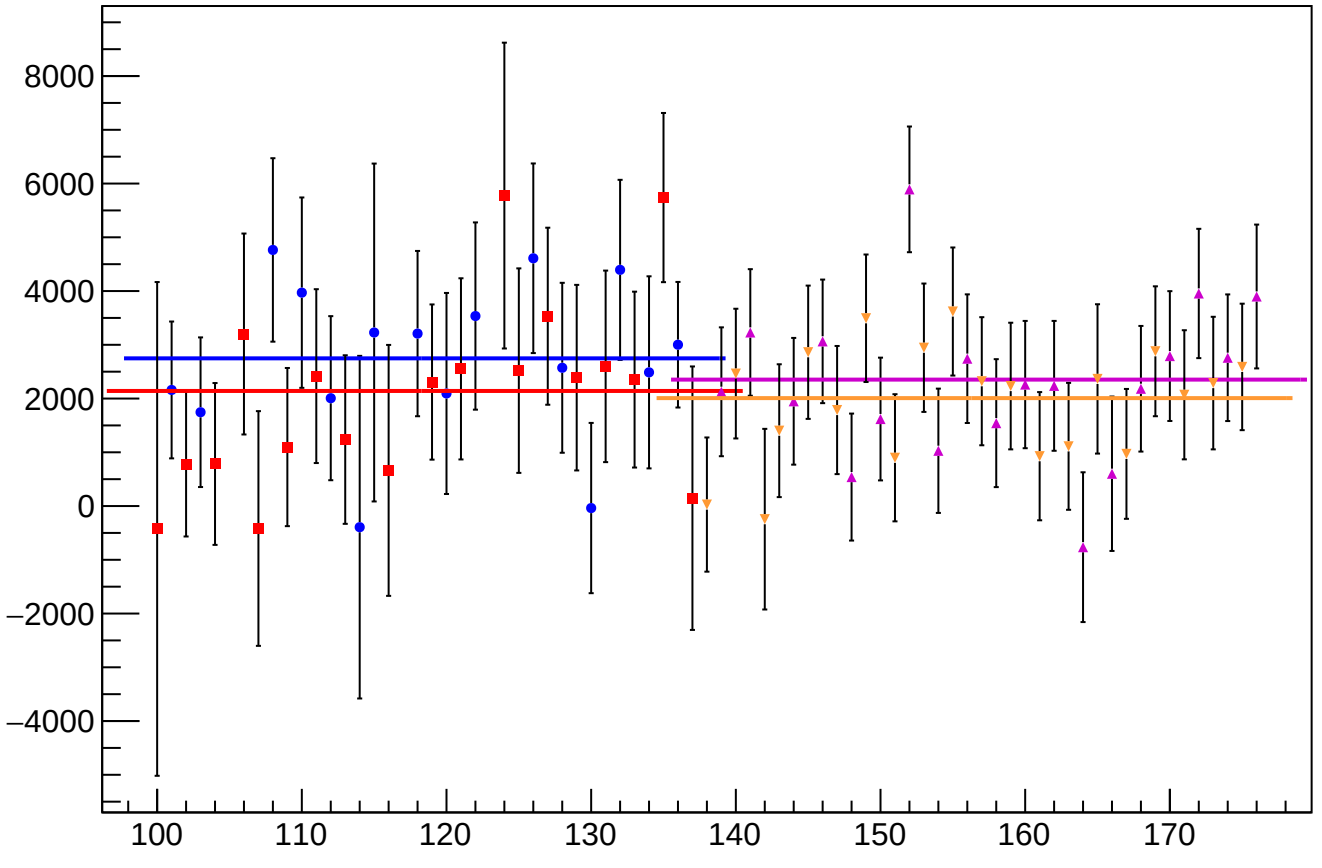
Left: 1478.148+/-0.189 χ^2/NDF: 1336111.9/38

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

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73



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

Left Out: 2008.041+/-273.901 χ^2/NDF:13.2/19

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

Left In: 2352.397+/-276.855 χ^2/NDF:24.8/18

Left: 2178.372+/-194.713 χ^2/NDF: 38.8/38

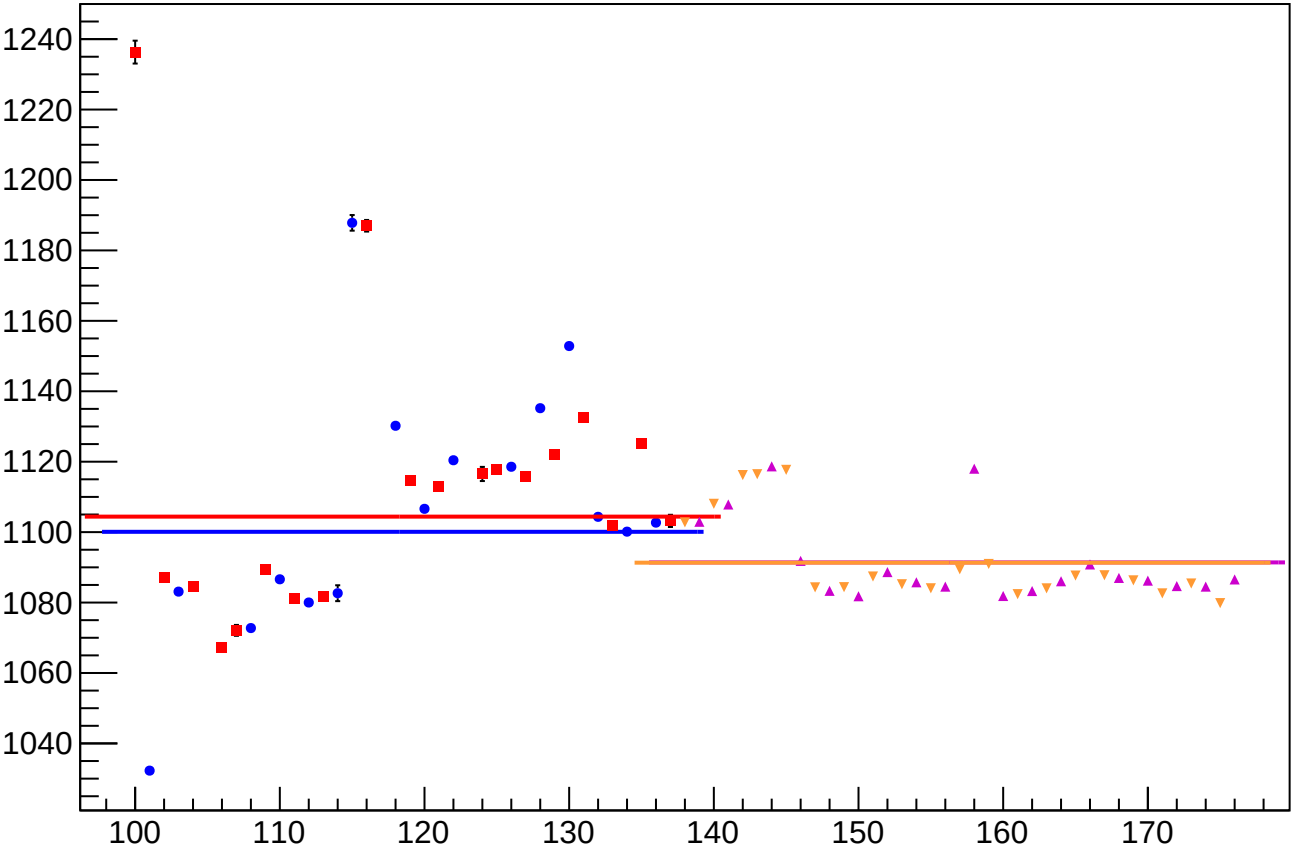
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2476.786+/-229.225 χ^2/NDF:34.9/34

Out: 2050.136+/-226.495 χ^2/NDF:26.9/38

All: 2260.905+/-161.113 χ^2/NDF: 63.5/73

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.327+/-0.194 χ^2/NDF:3609.5/19

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.400+/-0.196 χ^2/NDF:3478.2/18

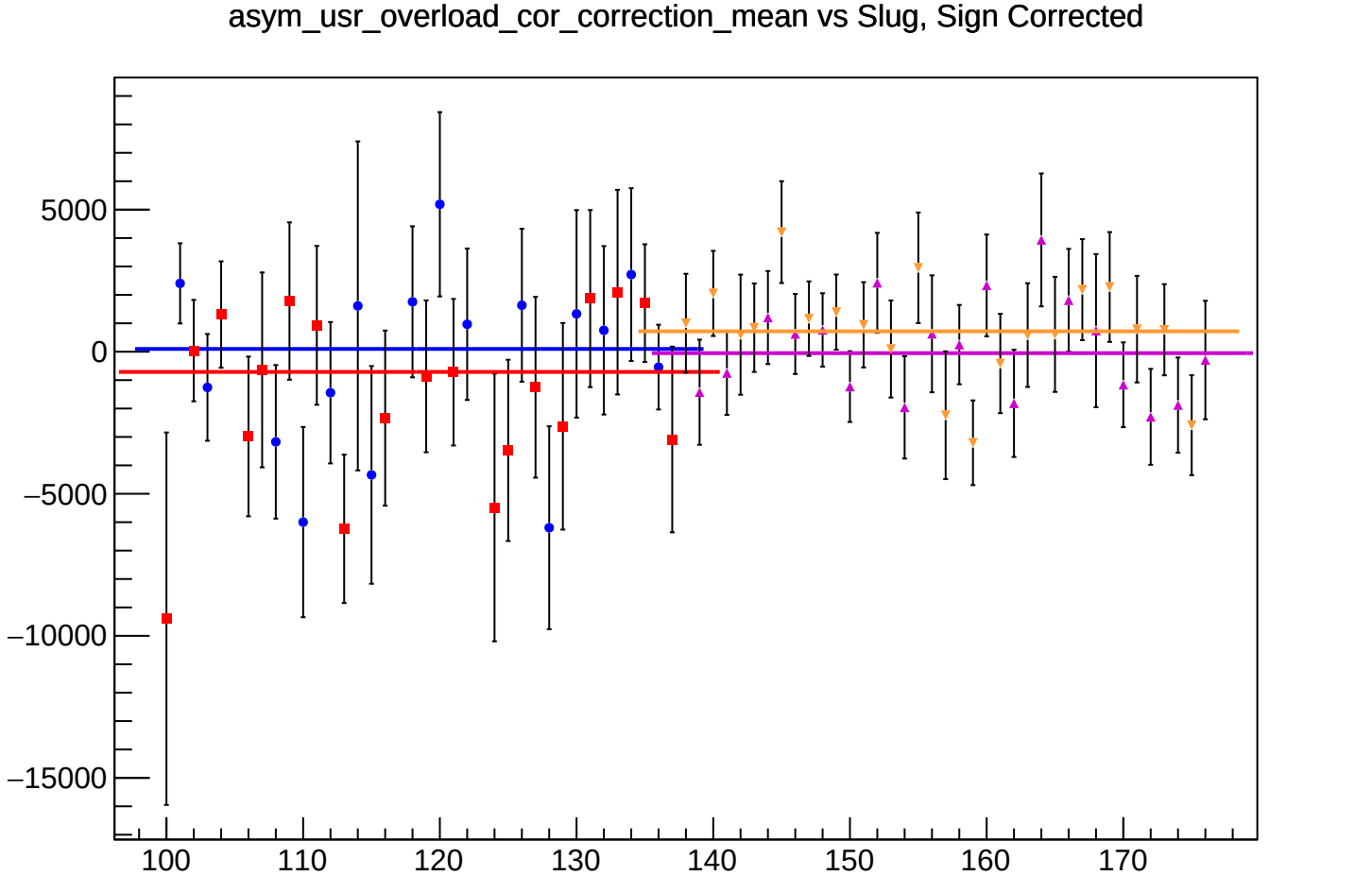
Left: 1091.363+/-0.138 χ^2/NDF: 7087.8/38

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

In: 1094.133+/-0.162 χ^2/NDF:17175.0/34

Out: 1095.461+/-0.160 χ^2/NDF:13594.4/38

All: 1094.805+/-0.114 χ^2/NDF: 30803.4/73



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 717.358+/-377.246 χ^2/NDF:20.4/19

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -50.498+/-381.753 χ^2/NDF:16.4/18

Left: 337.989+/-268.333 χ^2/NDF: 38.8/38

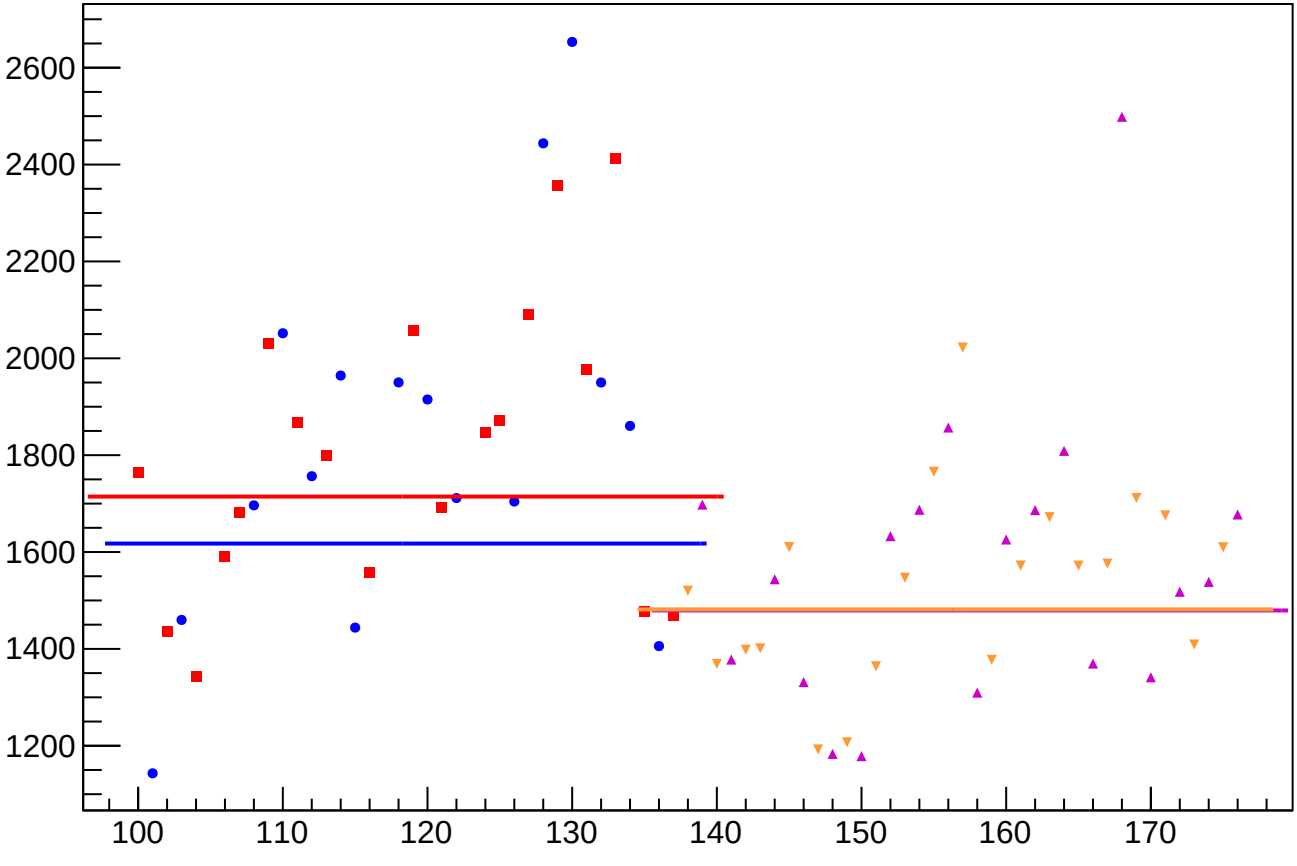
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -9.724+/-324.911 χ^2/NDF:33.6/34

Out: 346.903+/-324.672 χ^2/NDF:39.1/38

All: 168.721+/-229.662 χ^2/NDF: 73.3/73

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1481.530+/-0.267 χ^2/NDF:498647.5/19

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1479.398+/-0.270 χ^2/NDF:832616.5/18

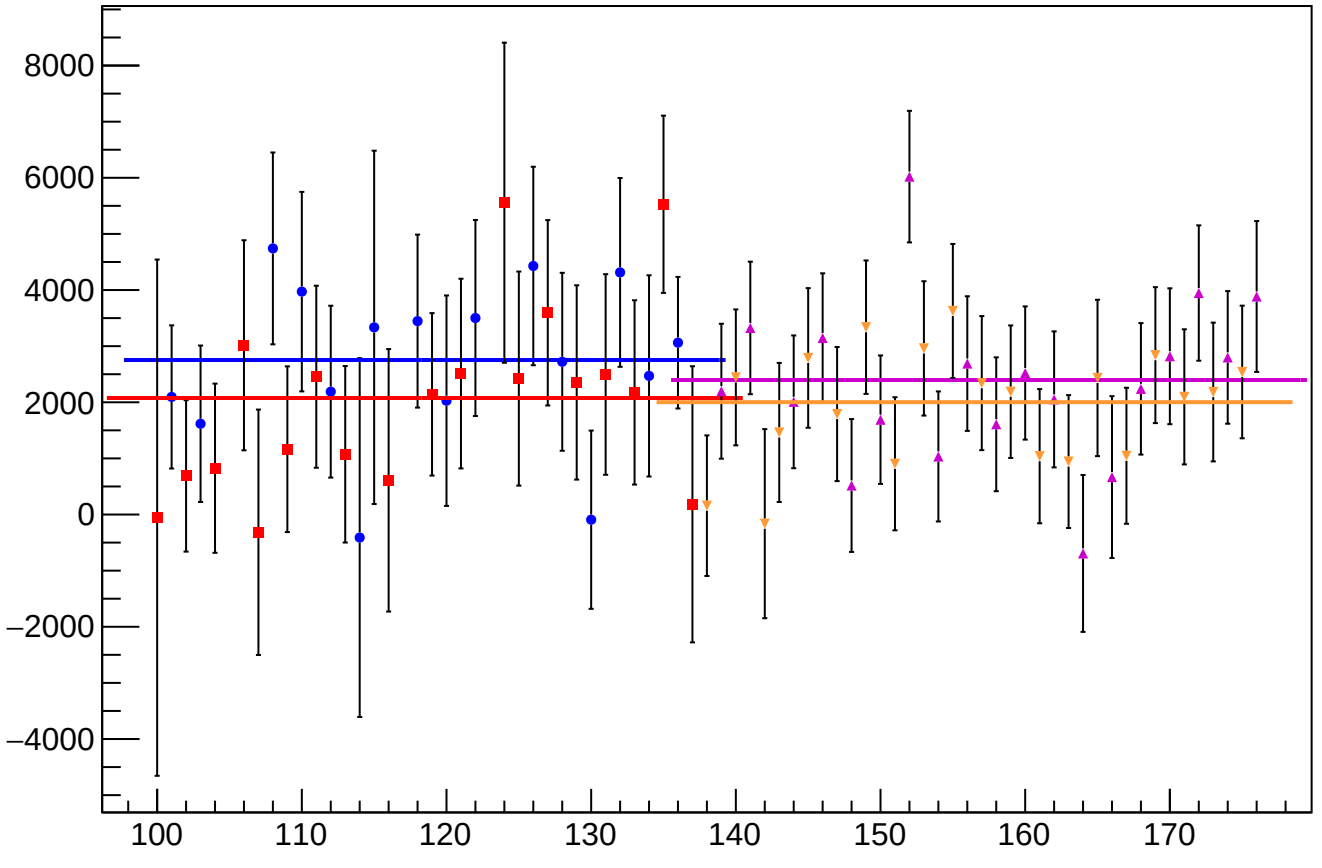
Left: 1480.477+/-0.190 χ^2/NDF: 1331295.6/38

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

In: 1517.460+/-0.230 χ^2/NDF:1596473.6/34

Out: 1541.942+/-0.230 χ^2/NDF:1124154.6/38

All: 1529.710+/-0.162 χ^2/NDF: 2726309.8/73



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2002.180+/-274.635 χ^2/NDF:12.2/19

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2197.288+/-195.231 χ^2/NDF: 38.3/38

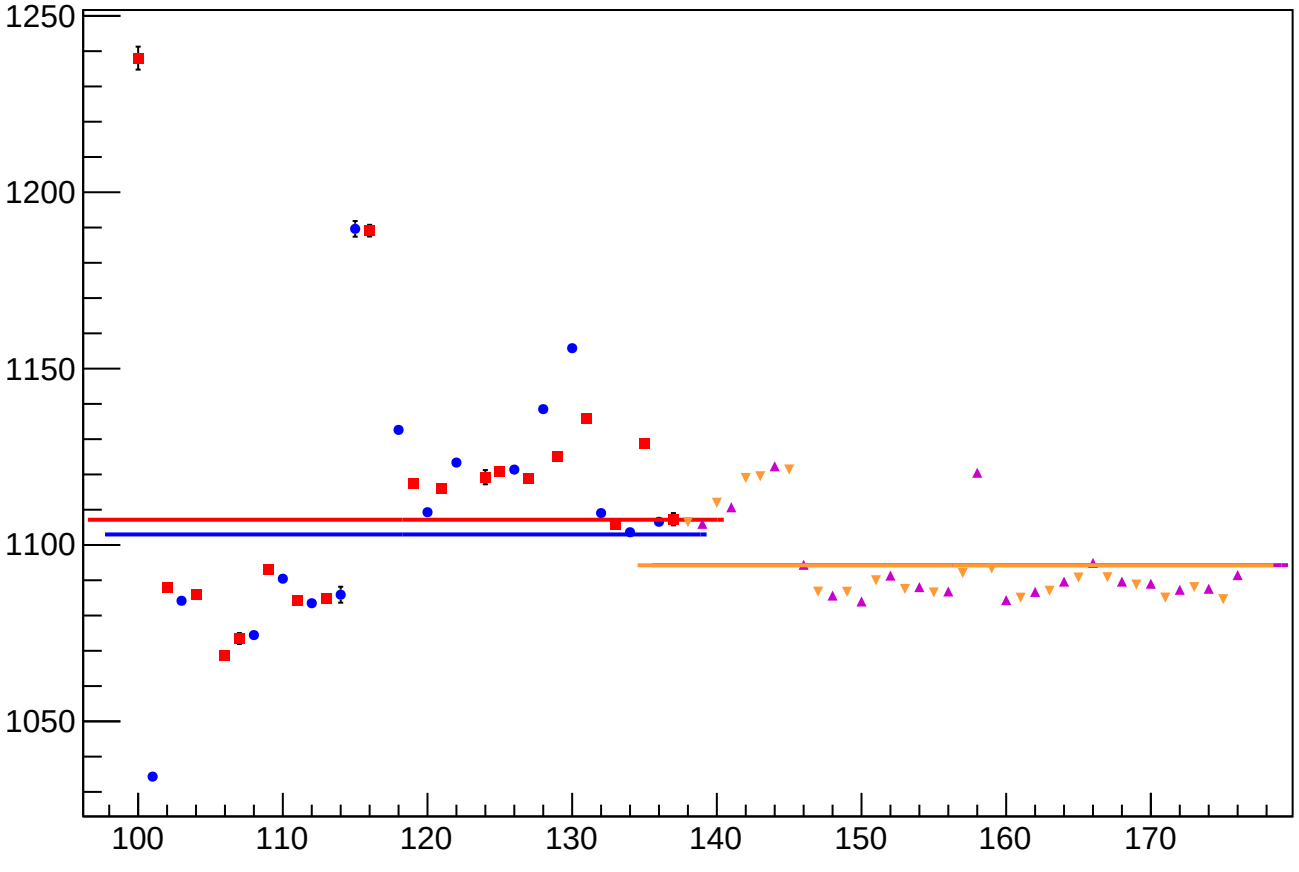
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2025.677+/-227.089 χ^2/NDF:24.7/38

All: 2264.303+/-161.537 χ^2/NDF: 62.1/73

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.247+/-0.194 χ^2/NDF:3730.3/19

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

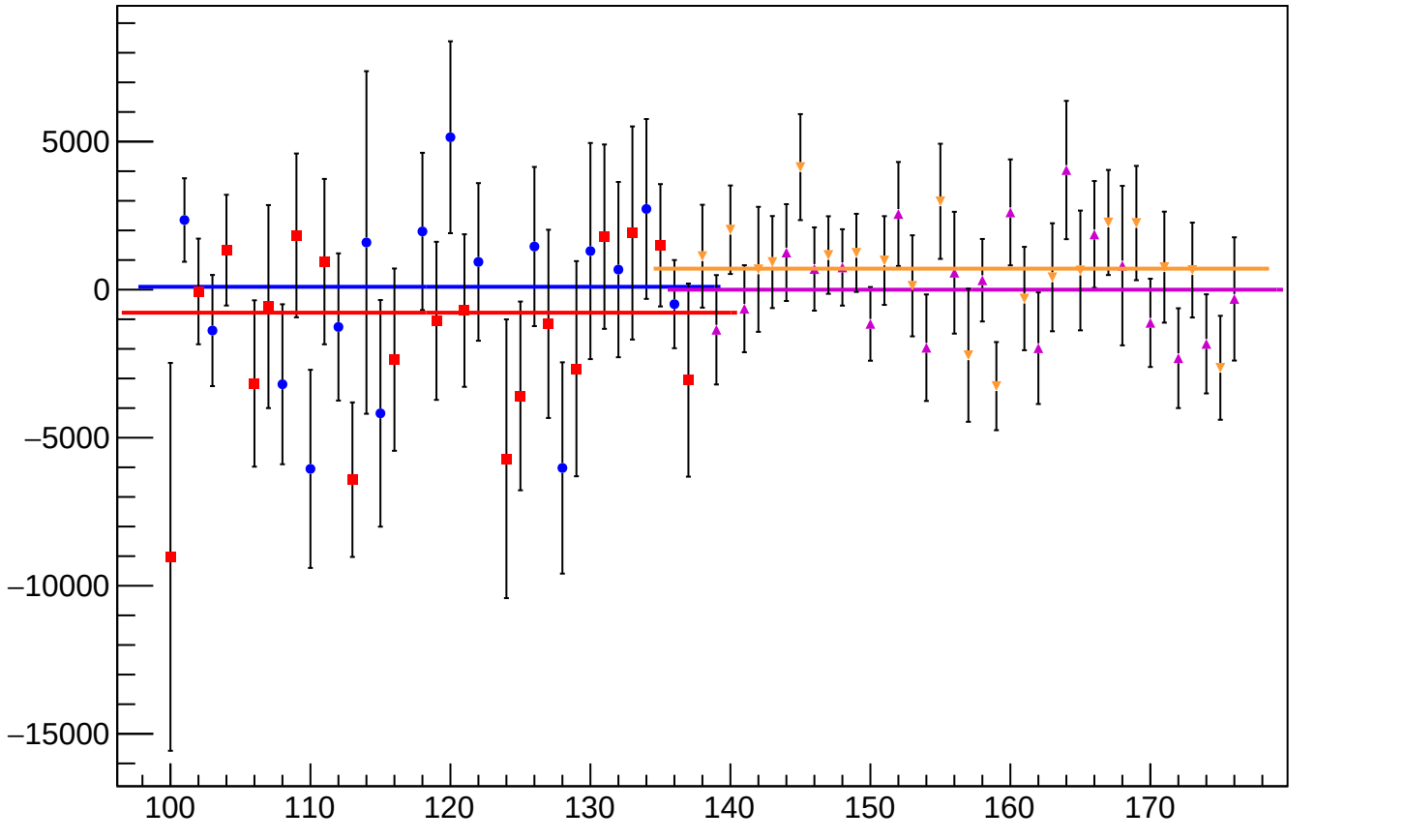
Left: 1094.266+/-0.138 χ^2/NDF: 7261.2/38

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

In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.331+/-0.161 χ^2/NDF:13812.0/38

All: 1097.685+/-0.114 χ^2/NDF: 31217.4/73



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 709.292+/-376.672 χ^2/NDF:20.5/19

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1.455+/-381.181 χ^2/NDF:17.2/18

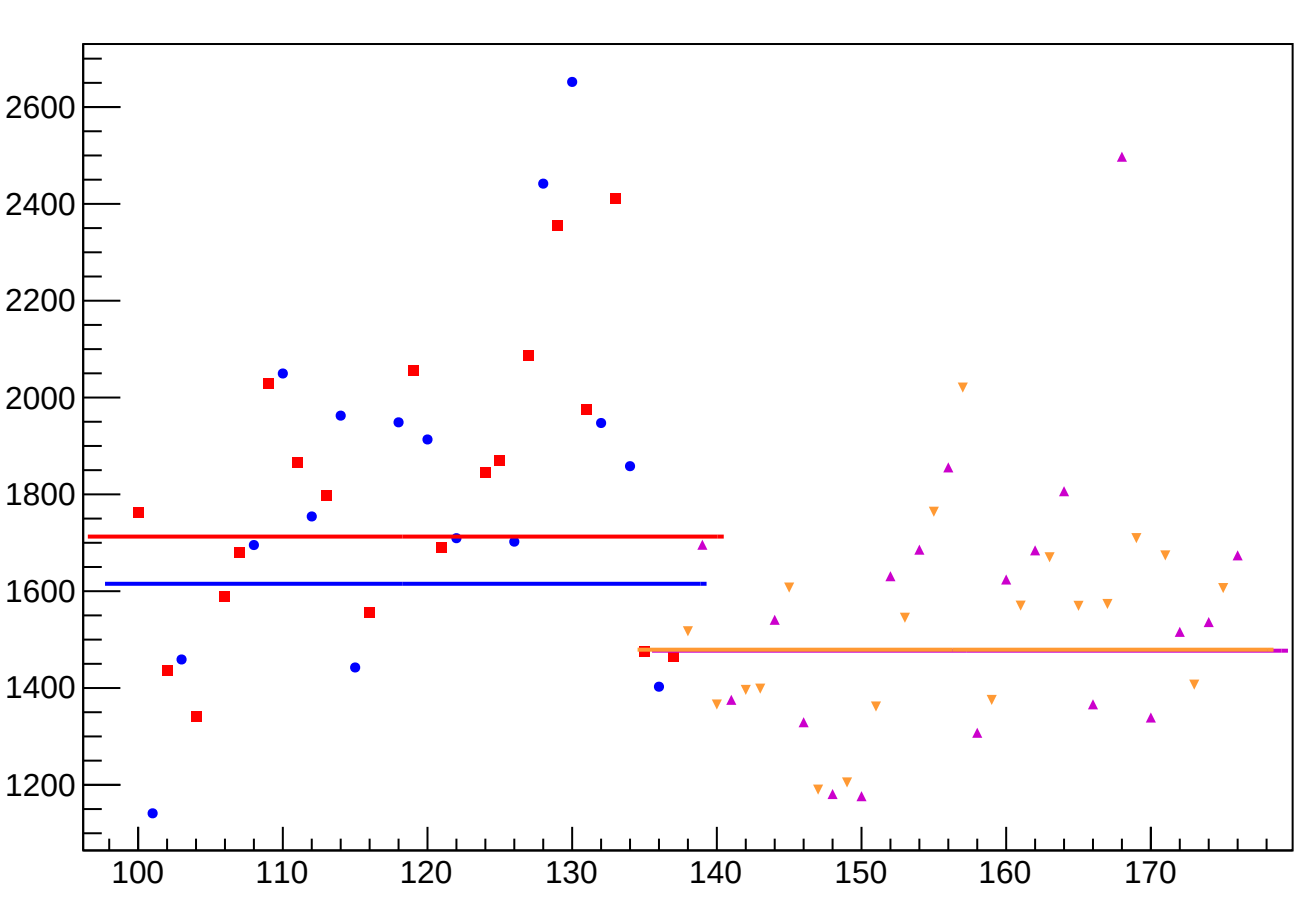
Left: 358.147+/-267.927 χ^2/NDF: 39.5/38

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

In: 25.384+/-324.445 χ^2/NDF:34.2/34

Out: 324.204+/-324.224 χ^2/NDF:39.6/38

All: 174.896+/-229.339 χ^2/NDF: 74.3/73



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1479.183+/-0.266 χ^2/NDF:500676.1/19

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

Left: 1478.148+/-0.189 χ^2/NDF: 1336111.9/38

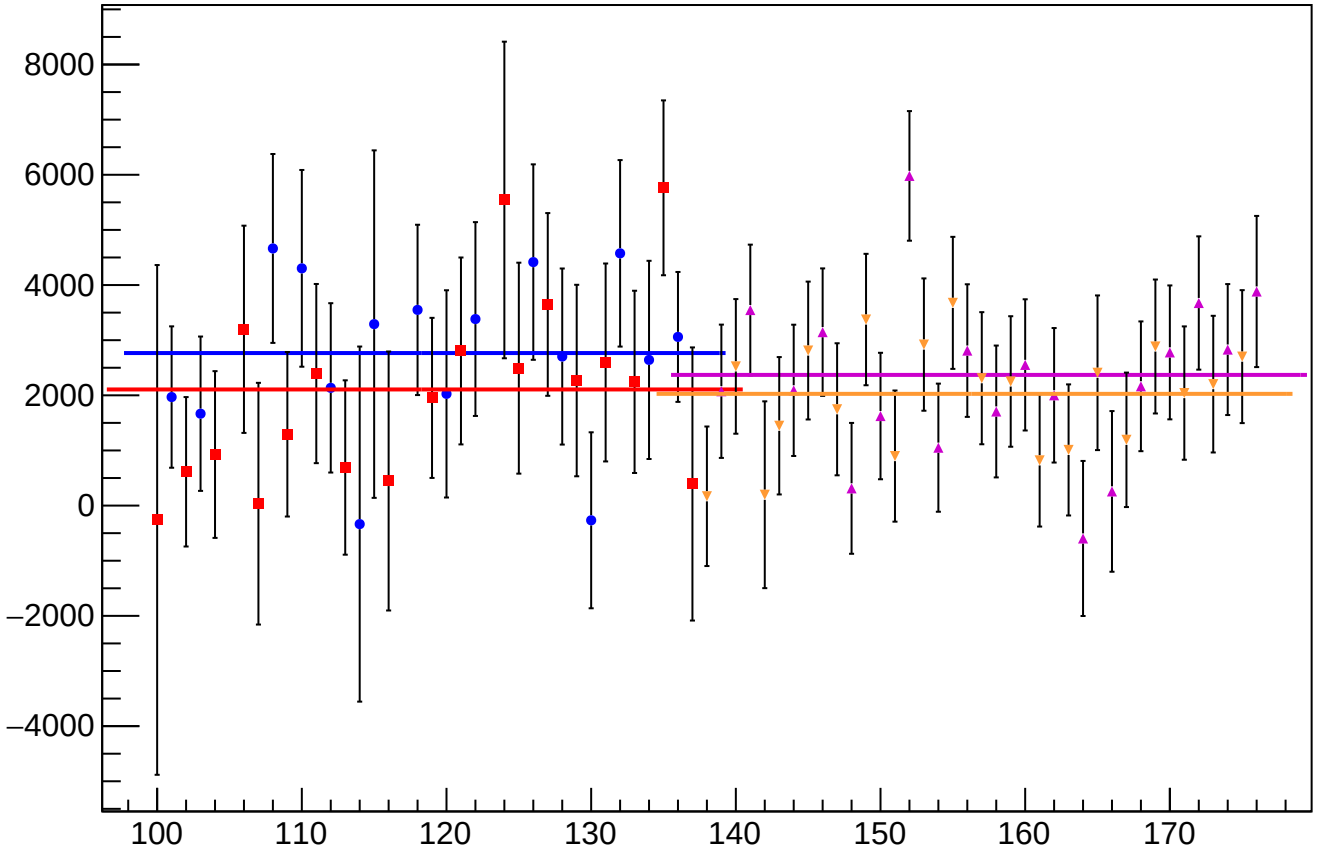
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1539.711+/-0.229 χ^2/NDF:1128065.8/38

All: 1527.451+/-0.162 χ^2/NDF: 2735289.4/73

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2026.502+/-276.060 χ^2/NDF:12.0/19

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2370.231+/-278.899 χ^2/NDF:25.5/18

Left: 2196.608+/-196.200 χ^2/NDF: 38.3/38

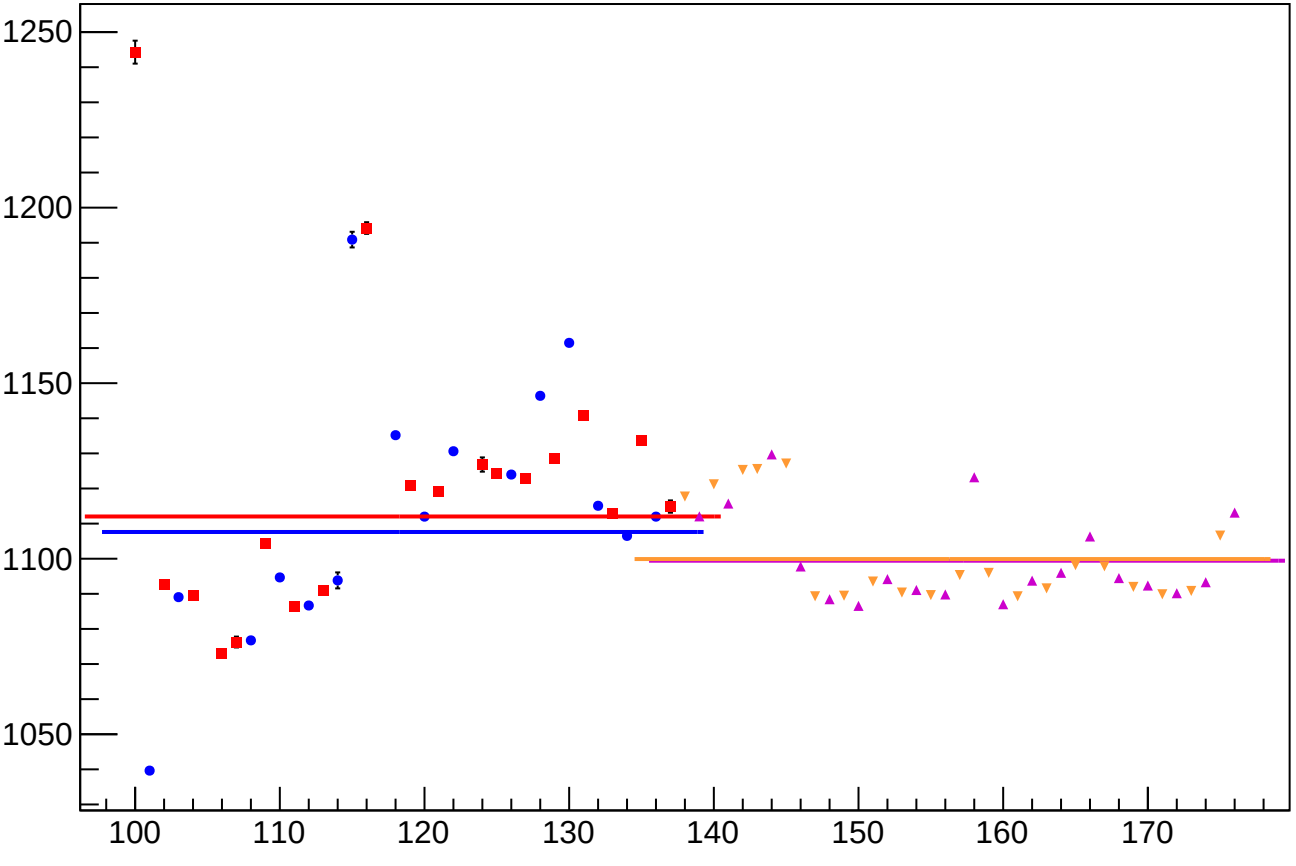
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2494.987+/-230.880 χ^2/NDF:36.4/34

Out: 2051.784+/-228.213 χ^2/NDF:25.4/38

All: 2270.811+/-162.306 χ^2/NDF: 63.7/73

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.9/19

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.433+/-0.197 χ^2/NDF:4168.0/18

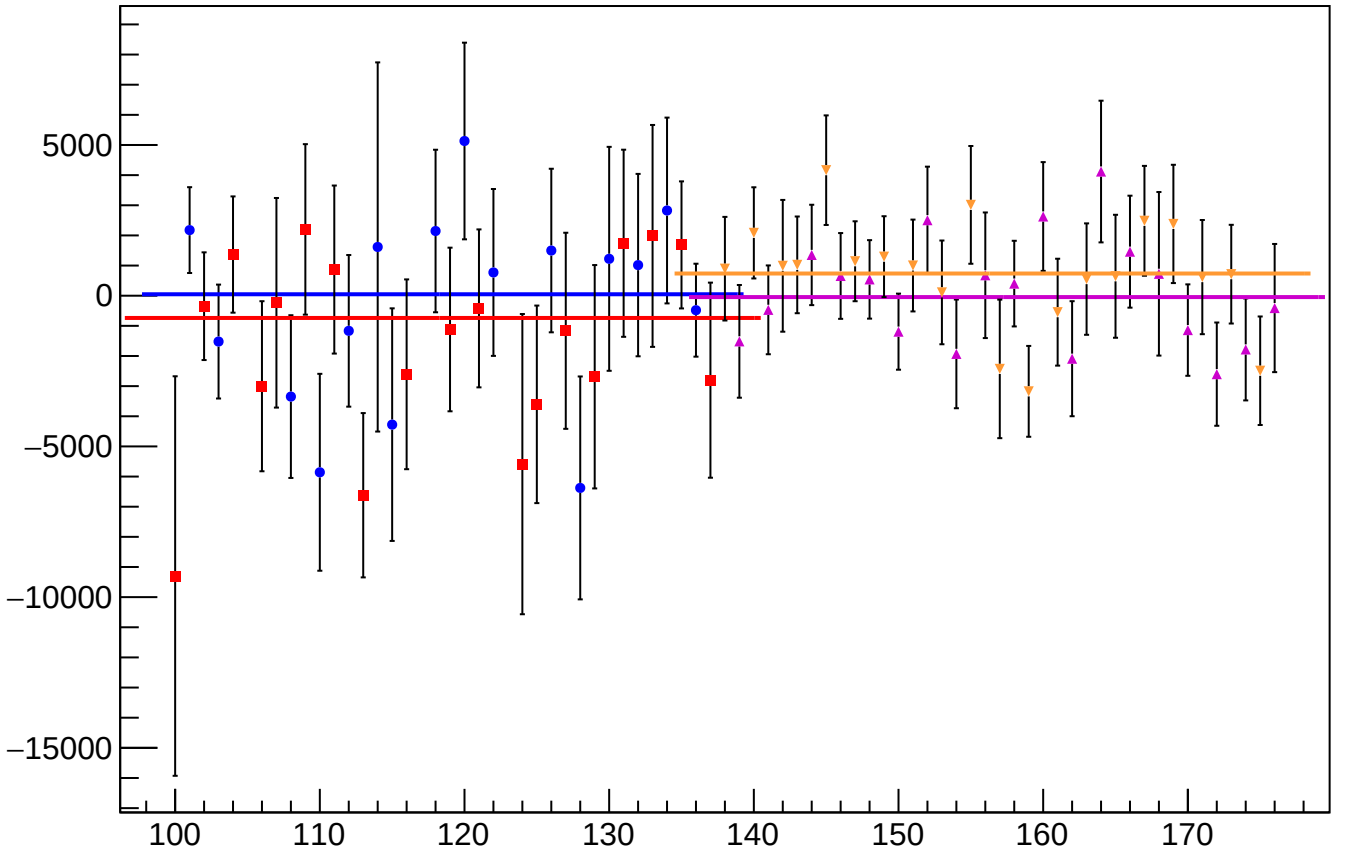
Left: 1099.670+/-0.139 χ^2/NDF: 8767.7/38

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

In: 1102.008+/-0.163 χ^2/NDF:17930.2/34

Out: 1103.741+/-0.161 χ^2/NDF:14472.4/38

All: 1102.885+/-0.115 χ^2/NDF: 32459.6/73



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 736.232+/-382.551 χ^2/NDF:20.2/19

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -45.586+/-386.205 χ^2/NDF:17.1/18

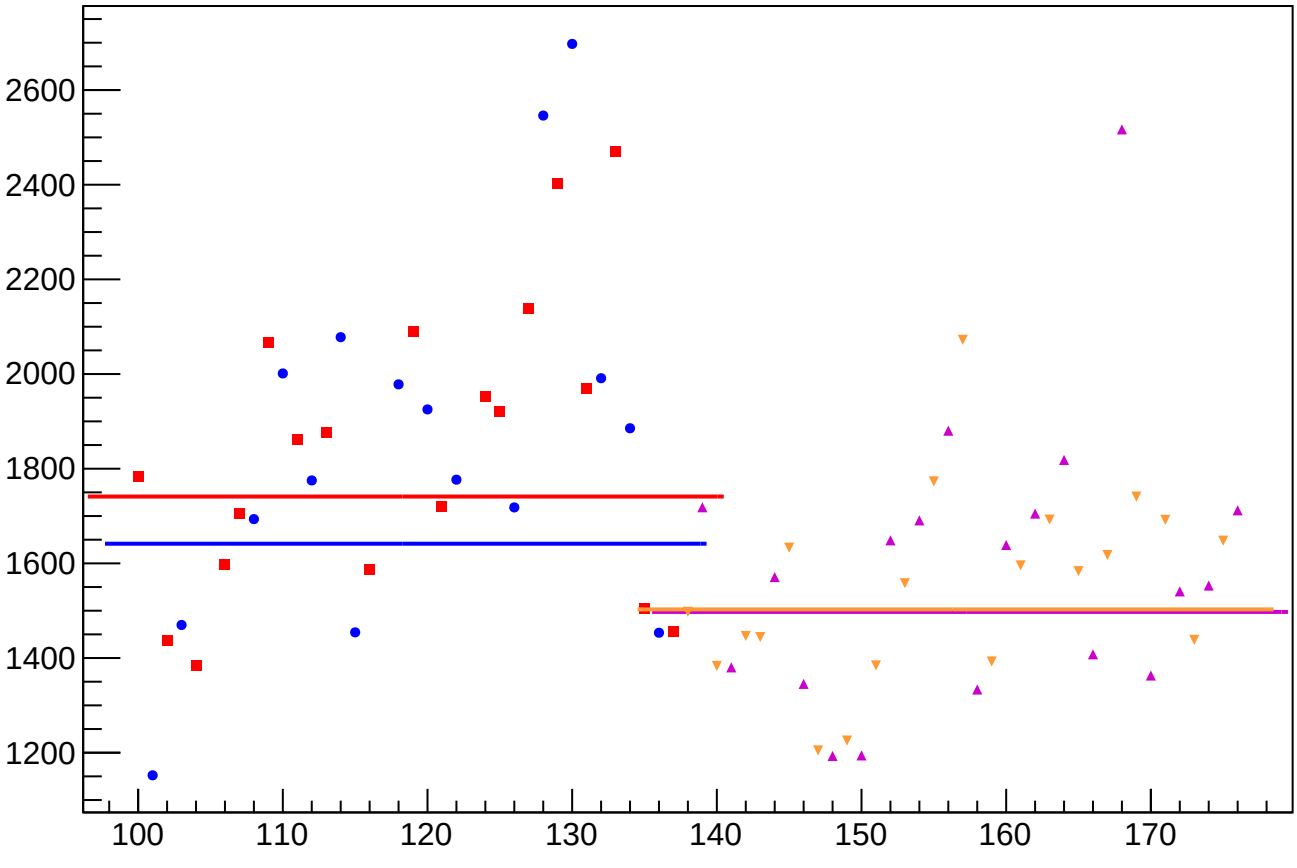
Left: 349.040+/-271.787 χ^2/NDF: 39.4/38

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

In: -19.958+/-328.984 χ^2/NDF:34.0/34

Out: 354.996+/-329.401 χ^2/NDF:39.0/38

All: 167.281+/-232.774 χ^2/NDF: 73.6/73



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1502.790+/-0.271 χ^2/NDF:502184.6/19

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1497.411+/-0.273 χ^2/NDF:823518.1/18

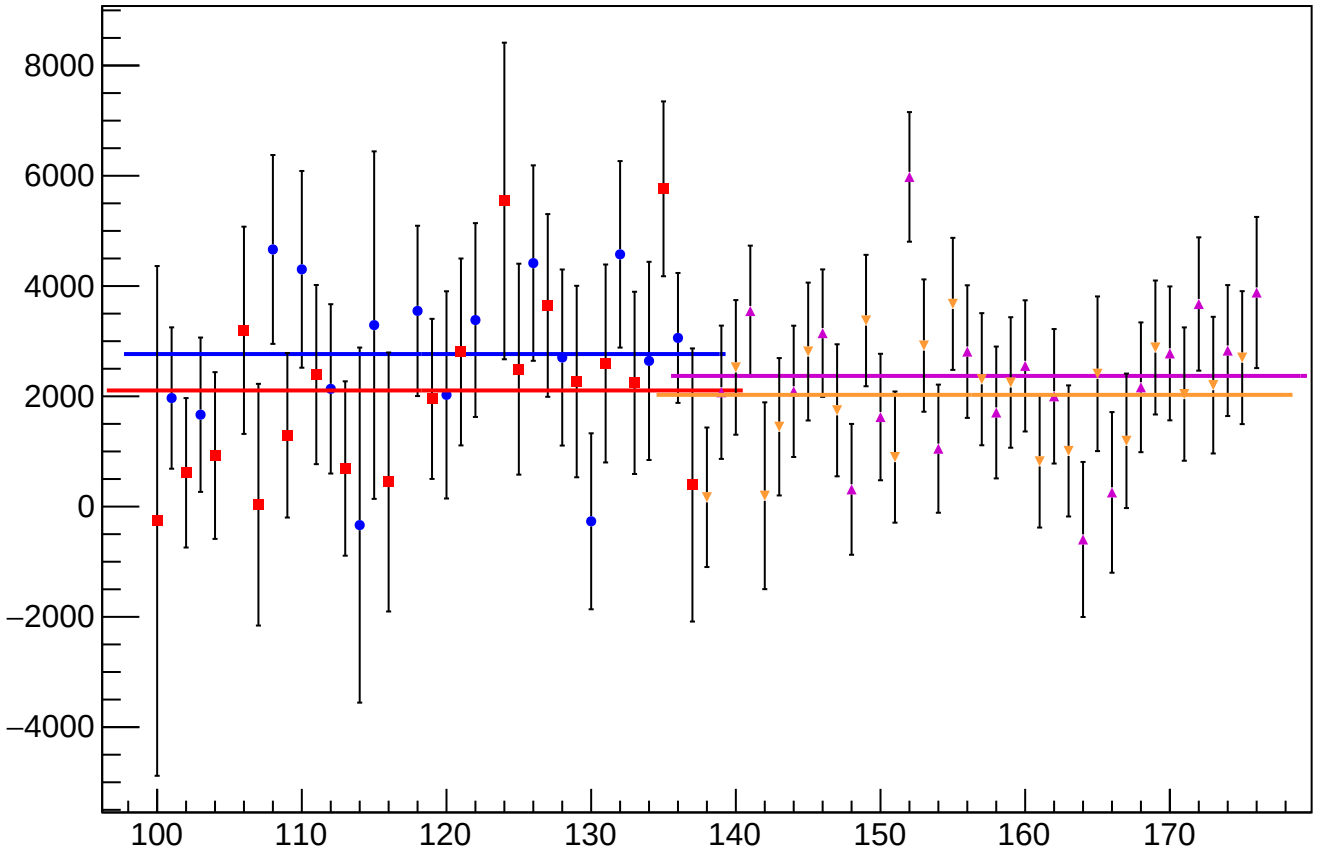
Left: 1500.126+/-0.192 χ^2/NDF: 1325898.5/38

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

In: 1536.956+/-0.233 χ^2/NDF:1601253.0/34

Out: 1564.435+/-0.233 χ^2/NDF:1141373.4/38

All: 1550.678+/-0.165 χ^2/NDF: 2749594.1/73



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

Left Out: 2026.500+/-276.060 χ^2/NDF:12.0/19

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

Left In: 2370.231+/-278.899 χ^2/NDF:25.5/18

Left: 2196.607+/-196.200 χ^2/NDF: 38.3/38

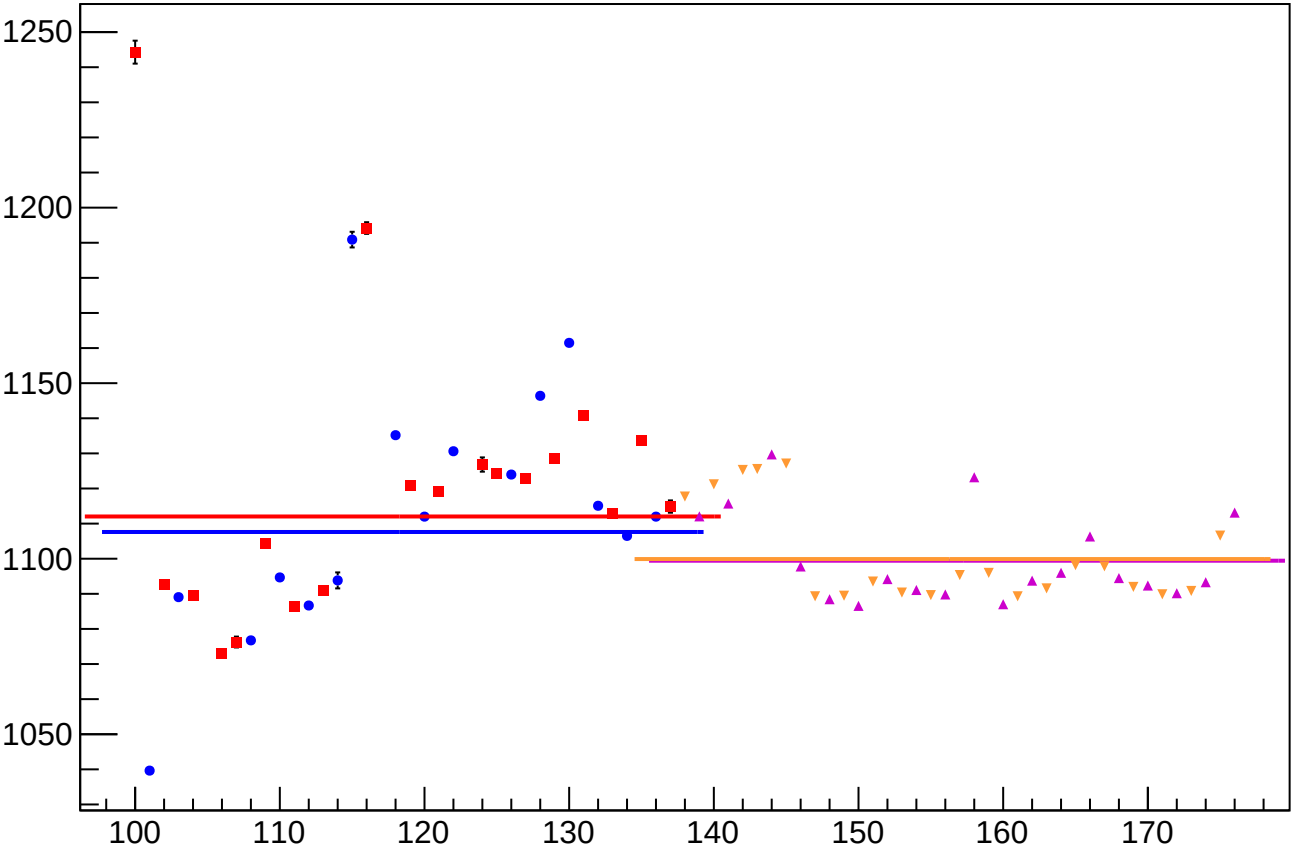
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2494.987+/-230.880 χ^2/NDF:36.4/34

Out: 2051.784+/-228.213 χ^2/NDF:25.4/38

All: 2270.811+/-162.306 χ^2/NDF: 63.7/73

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.902+/-0.195 χ^2/NDF:4596.8/19

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.433+/-0.197 χ^2/NDF:4167.9/18

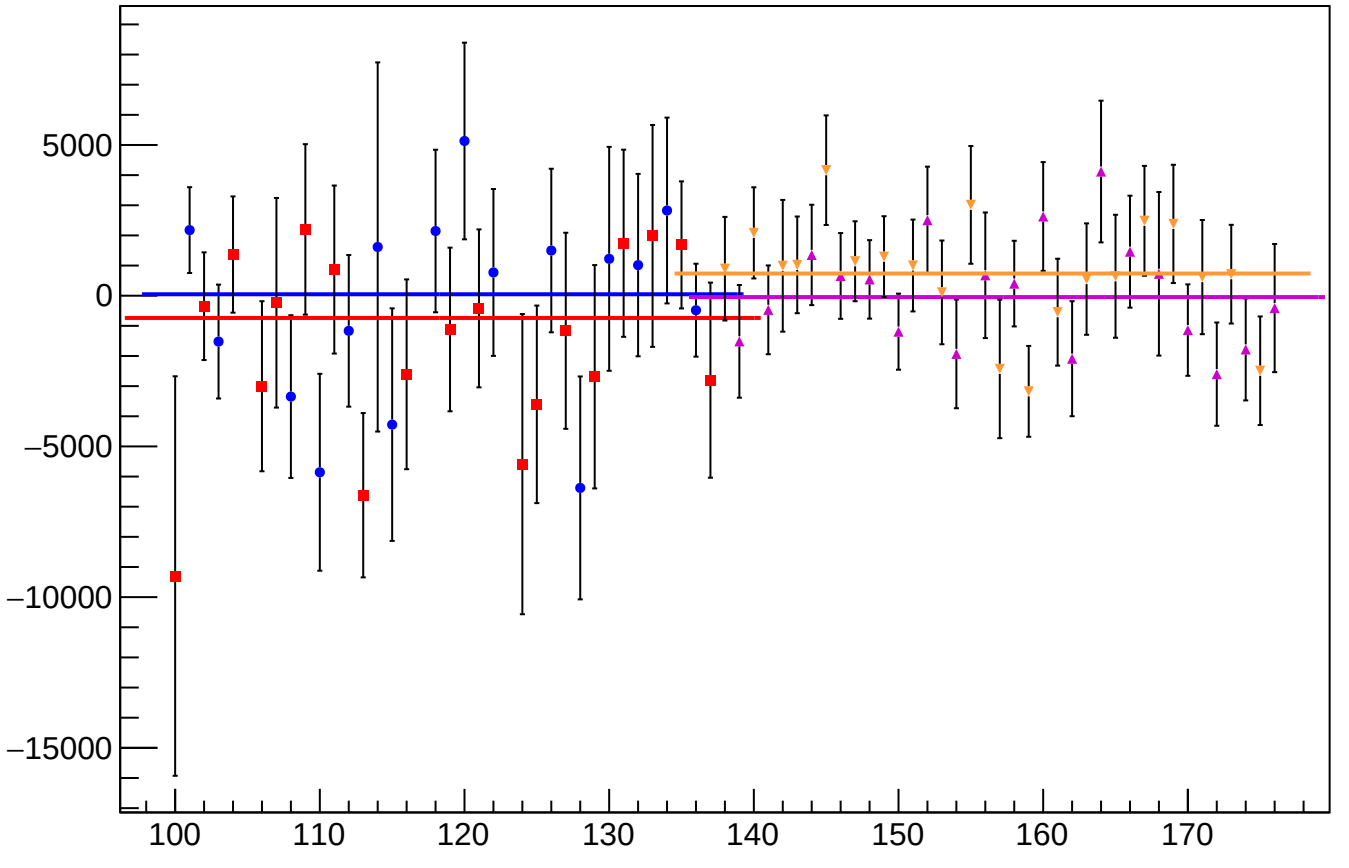
Left: 1099.670+/-0.139 χ^2/NDF: 8767.6/38

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

In: 1102.007+/-0.163 χ^2/NDF:17930.1/34

Out: 1103.741+/-0.161 χ^2/NDF:14472.3/38

All: 1102.884+/-0.115 χ^2/NDF: 32459.5/73



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 736.231+/-382.552 χ^2/NDF:20.2/19

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -45.585+/-386.206 χ^2/NDF:17.1/18

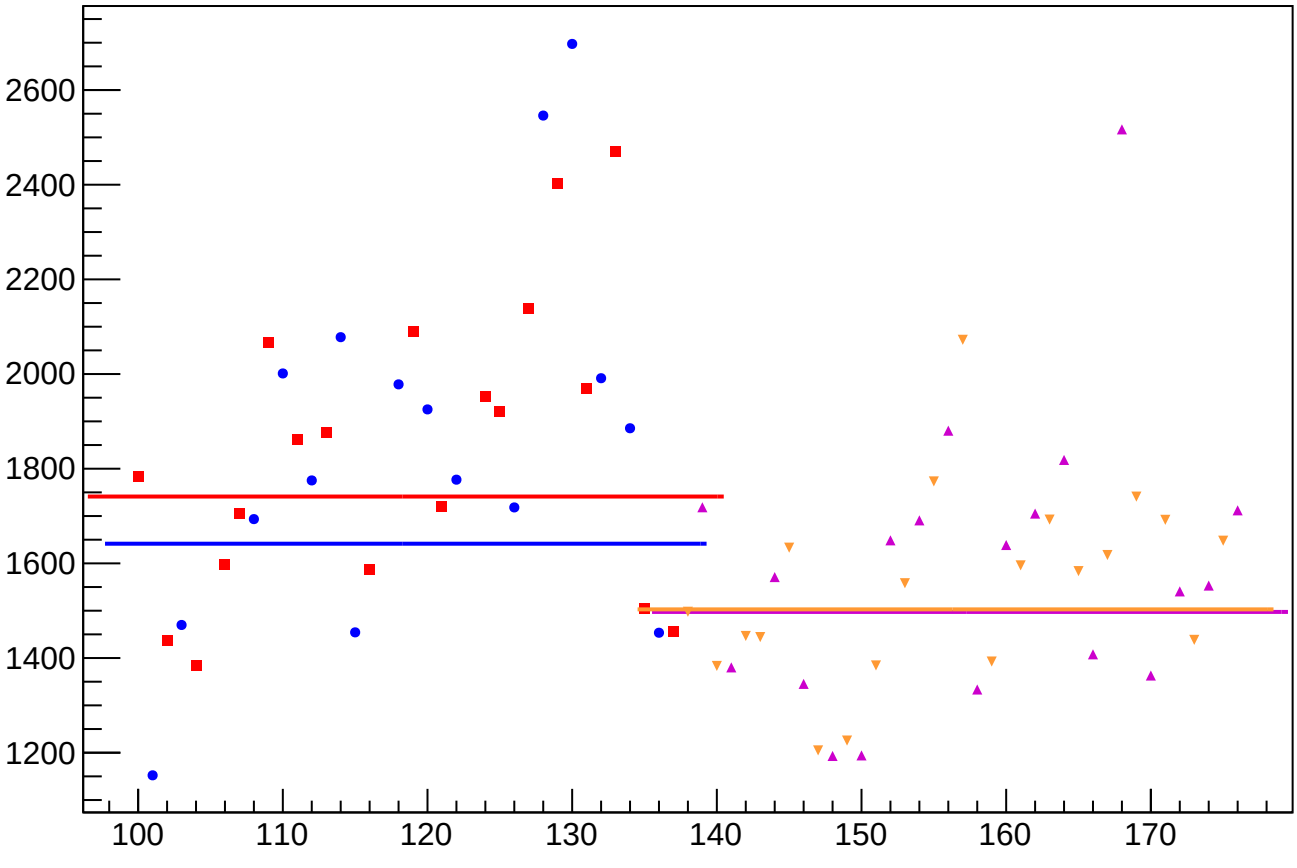
Left: 349.040+/-271.788 χ^2/NDF: 39.4/38

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

In: -19.959+/-328.984 χ^2/NDF:34.0/34

Out: 354.992+/-329.401 χ^2/NDF:39.0/38

All: 167.279+/-232.774 χ^2/NDF: 73.6/73



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1502.793+/-0.271 χ^2/NDF:502189.0/19

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1497.415+/-0.273 χ^2/NDF:823523.8/18

Left: 1500.130+/-0.192 χ^2/NDF: 1325908.5/38

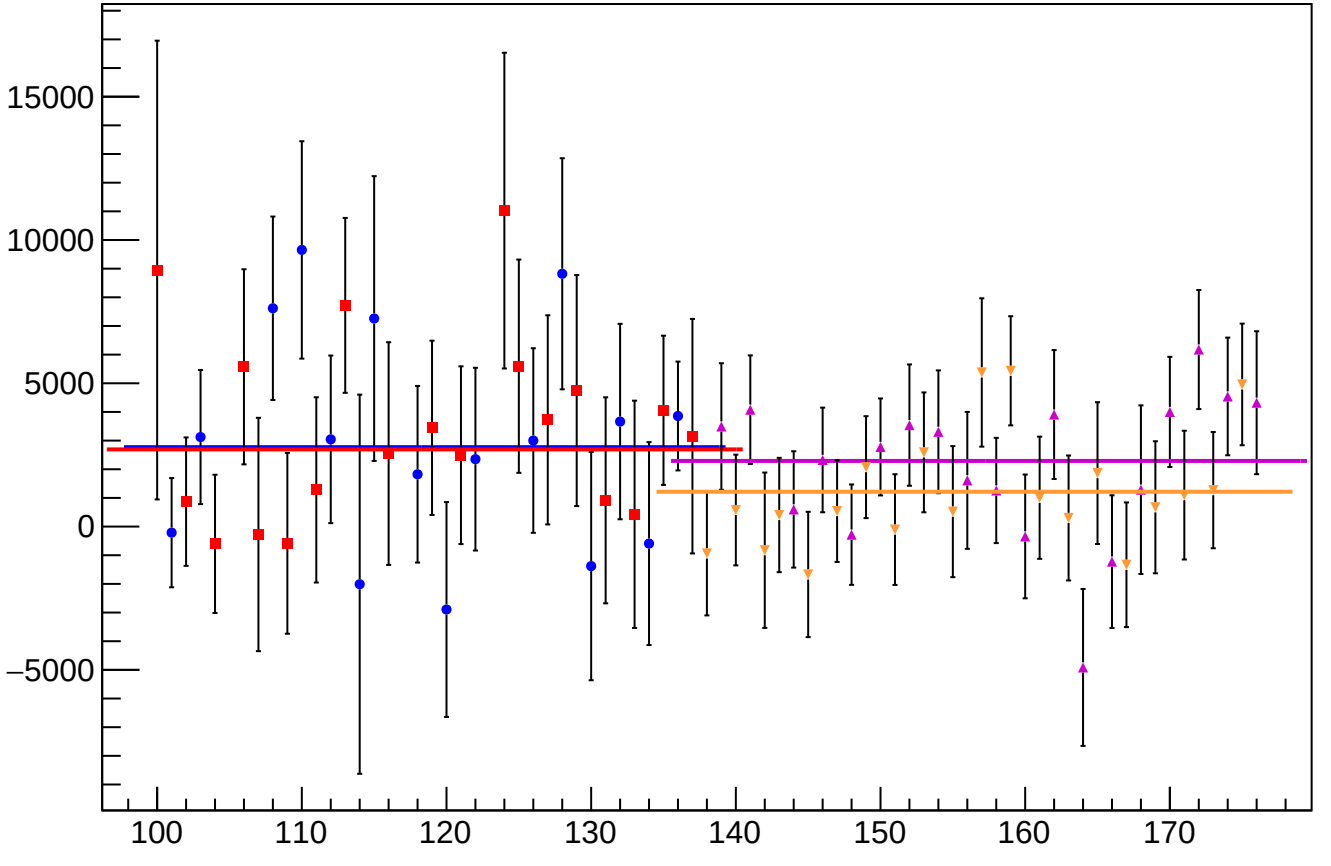
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1536.959+/-0.233 χ^2/NDF:1601240.3/34

Out: 1564.438+/-0.233 χ^2/NDF:1141357.0/38

All: 1550.681+/-0.165 χ^2/NDF: 2749565.2/73

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1215.821+/-472.340 χ^2/NDF:17.2/19

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2290.645+/-478.731 χ^2/NDF:22.6/18

Left: 1746.011+/-336.232 χ^2/NDF: 42.4/38

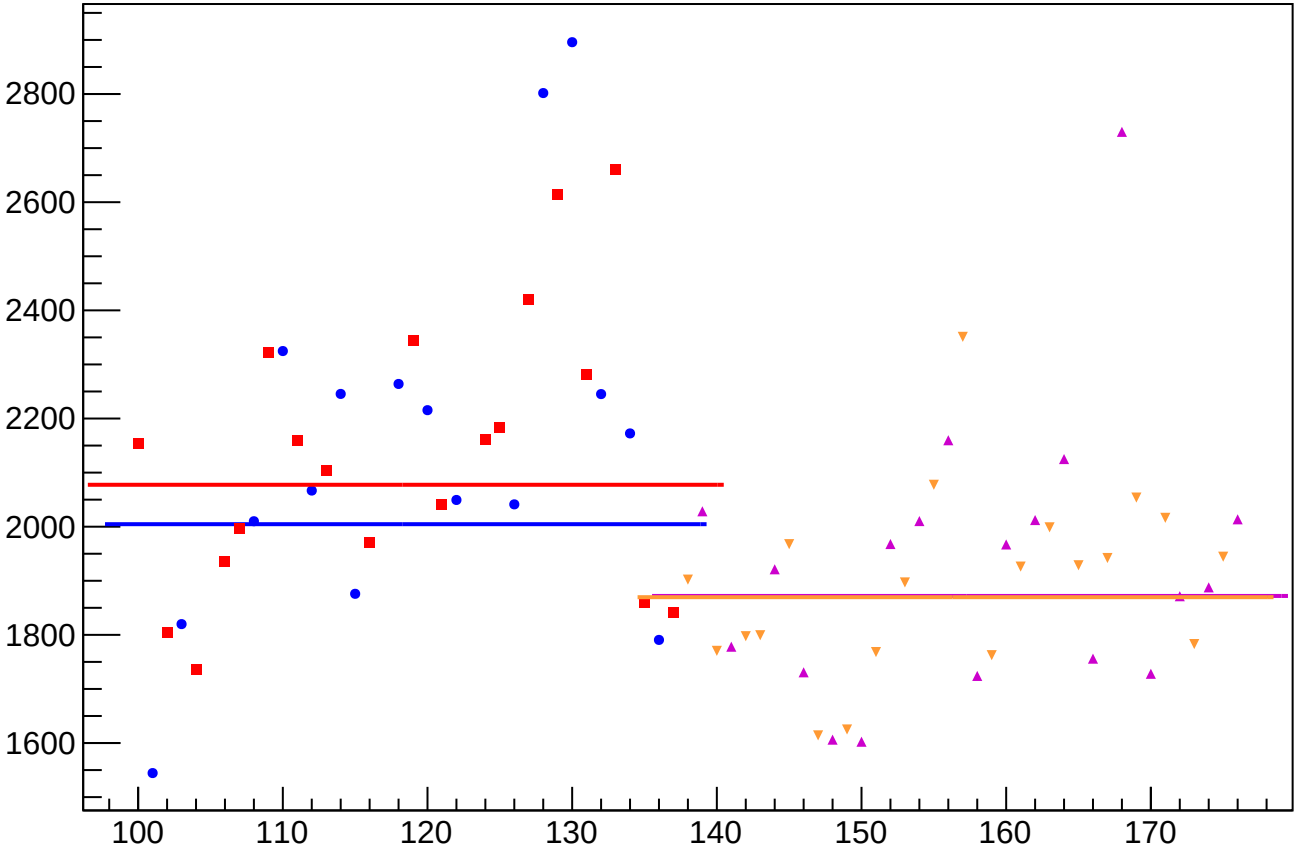
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2427.546+/-404.627 χ^2/NDF:39.3/34

Out: 1622.849+/-402.013 χ^2/NDF:32.5/38

All: 2022.589+/-285.186 χ^2/NDF: 73.8/73

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1869.646+/-0.334 χ^2/NDF:230080.5/19

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1871.947+/-0.339 χ^2/NDF:401119.7/18

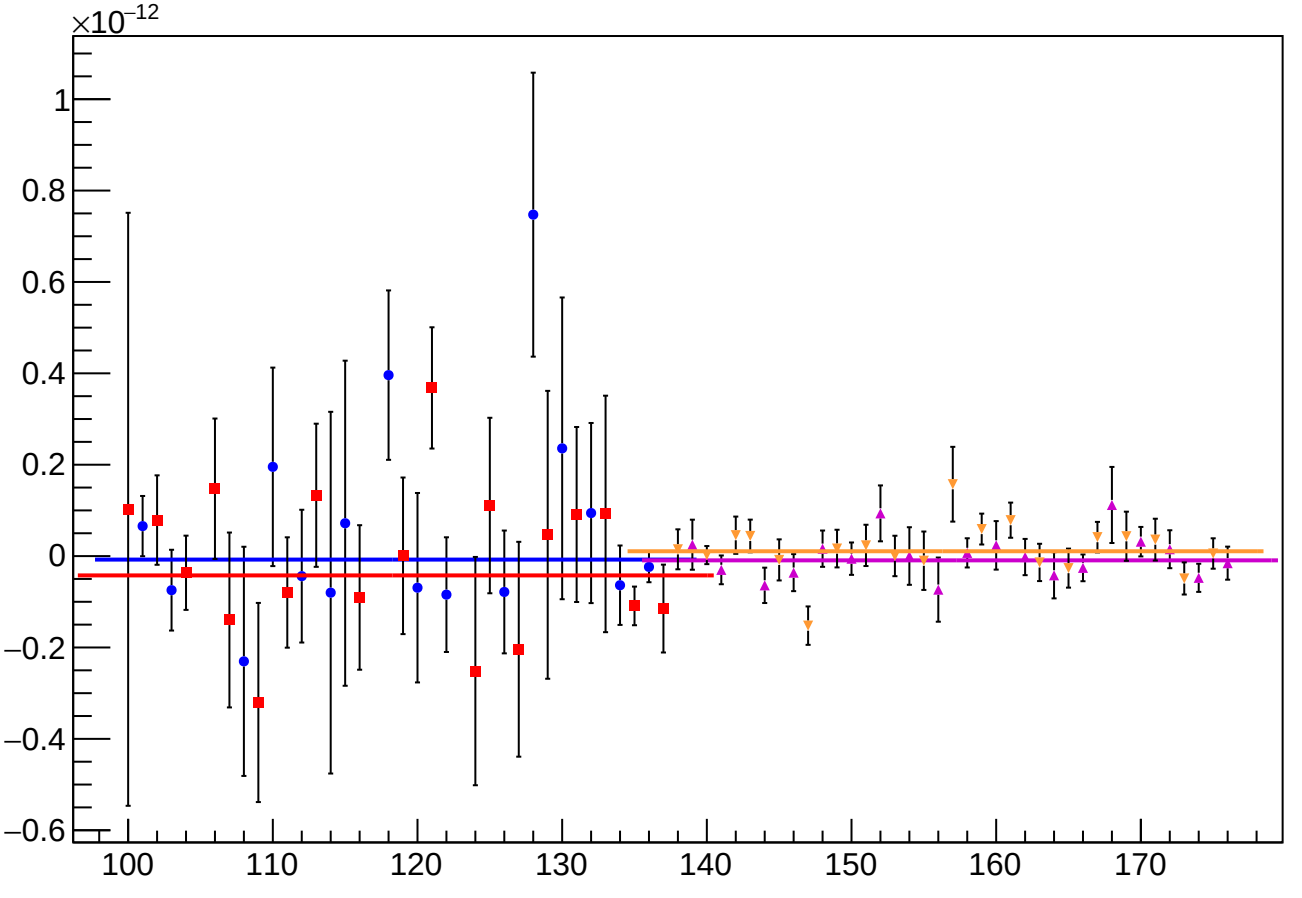
Left: 1870.781+/-0.238 χ^2/NDF: 631223.7/38

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

In: 1909.845+/-0.286 χ^2/NDF:832571.2/34

Out: 1926.934+/-0.284 χ^2/NDF:567305.6/38

All: 1918.445+/-0.202 χ^2/NDF: 1401671.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

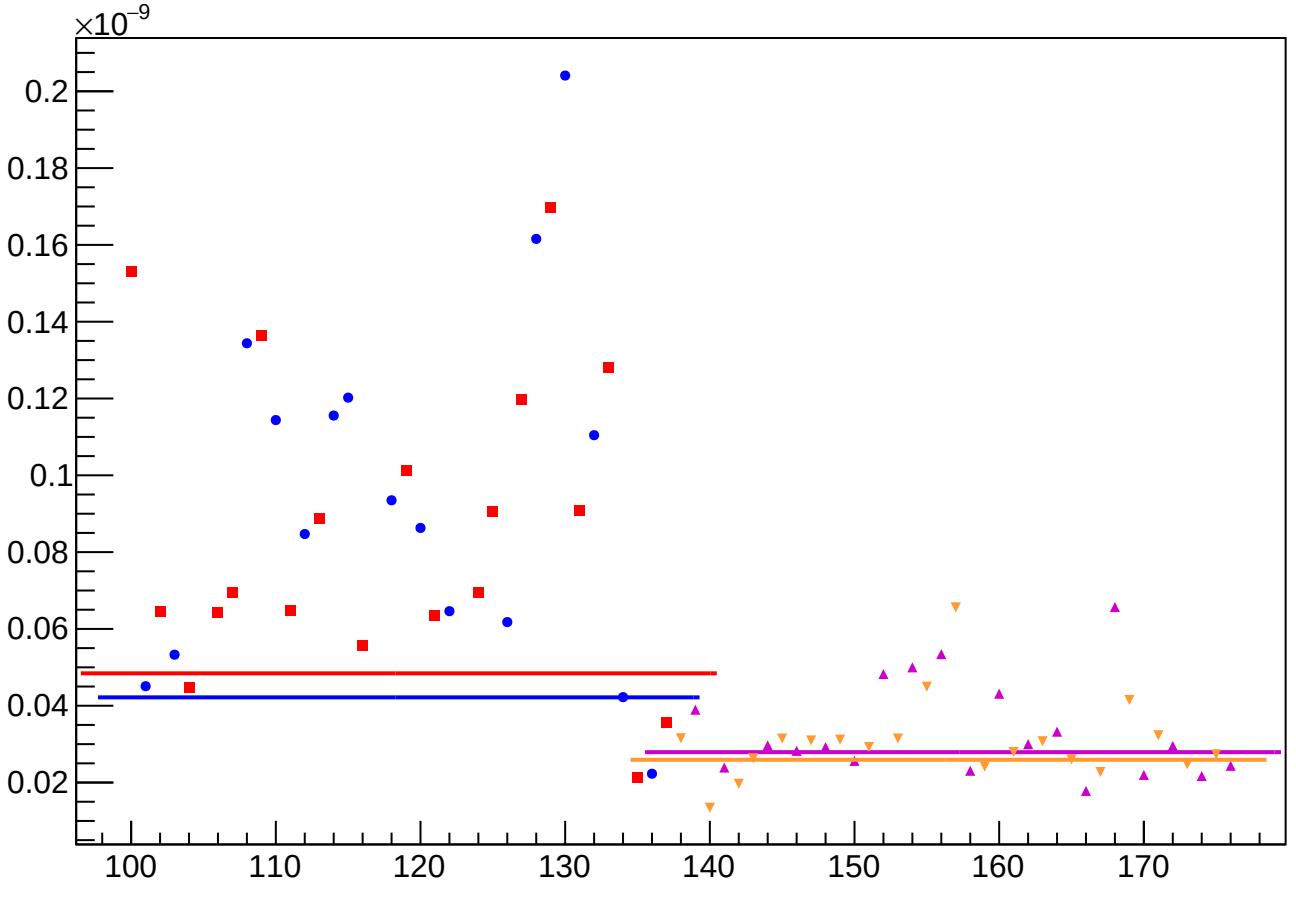
Left: 0.000+/-0.000 χ^2/NDF: 48.1/38

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

In: -0.000+/-0.000 χ^2/NDF:30.9/34

Out: 0.000+/-0.000 χ^2/NDF:56.4/38

All: -0.000+/-0.000 χ^2/NDF: 88.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925654.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1918720.1/18

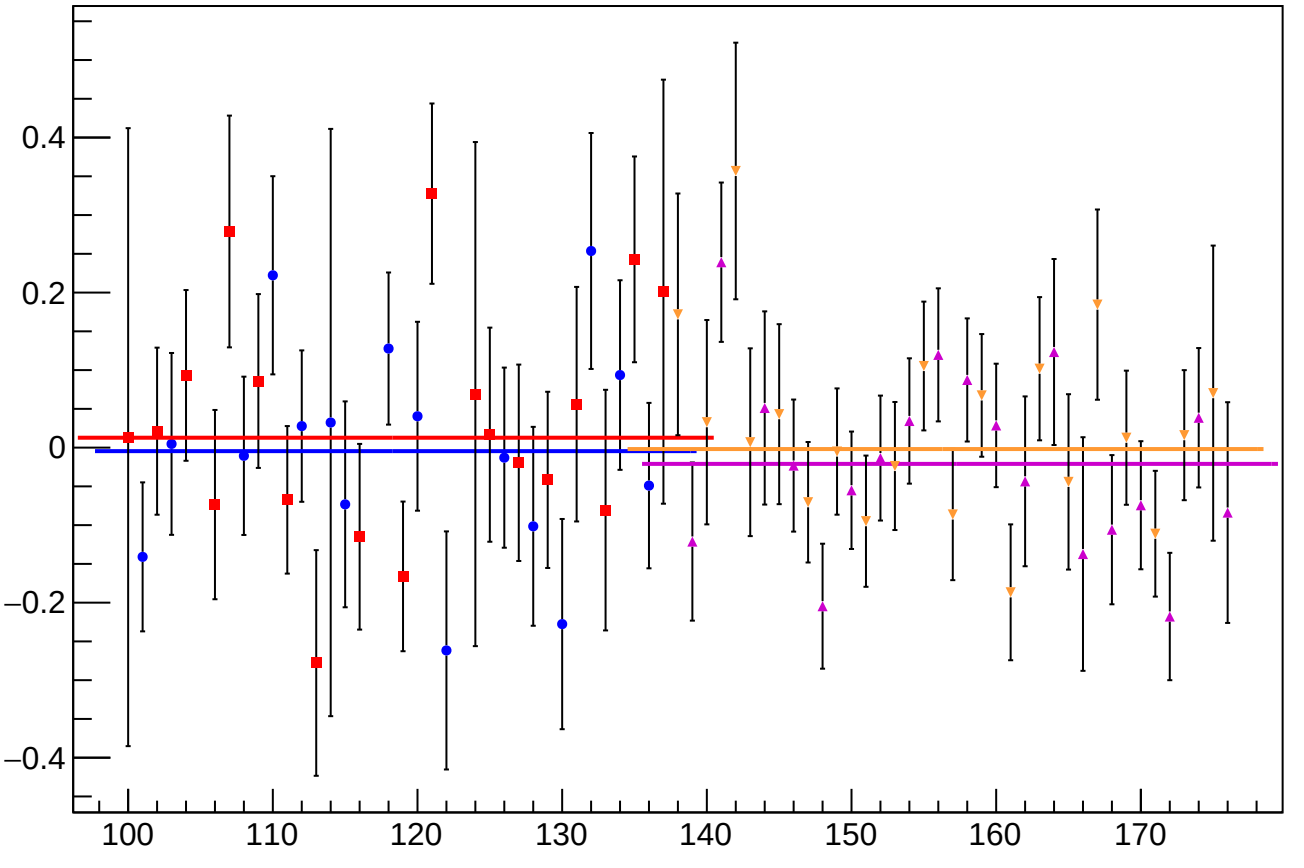
Left: 0.000+/-0.000 χ^2/NDF: 3894323.8/38

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

In: 0.000+/-0.000 χ^2/NDF:5455779.8/34

Out: 0.000+/-0.000 χ^2/NDF:5791640.1/38

All: 0.000+/-0.000 χ^2/NDF: 11289653.2/73



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

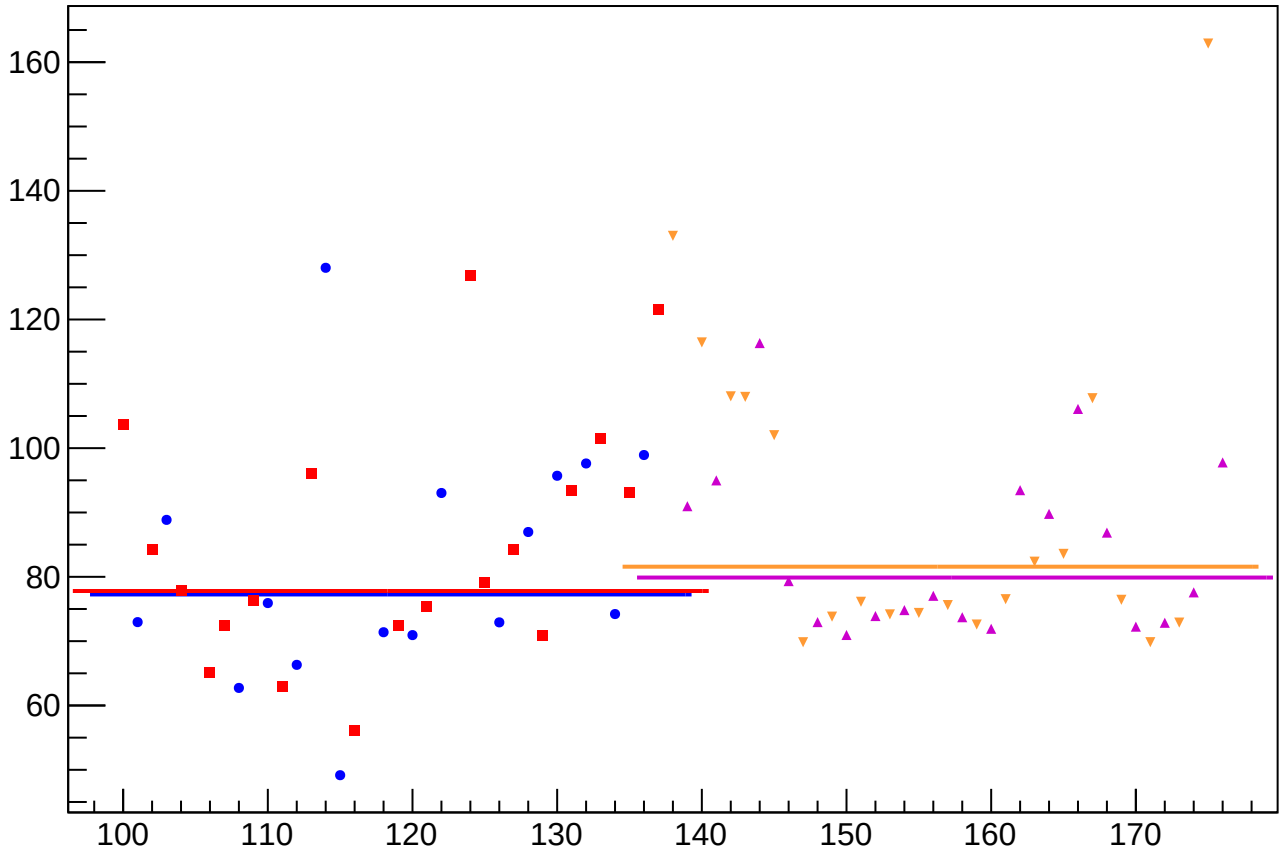
Left: -0.012+/-0.015 χ^2/NDF: 50.4/38

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.7/73



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

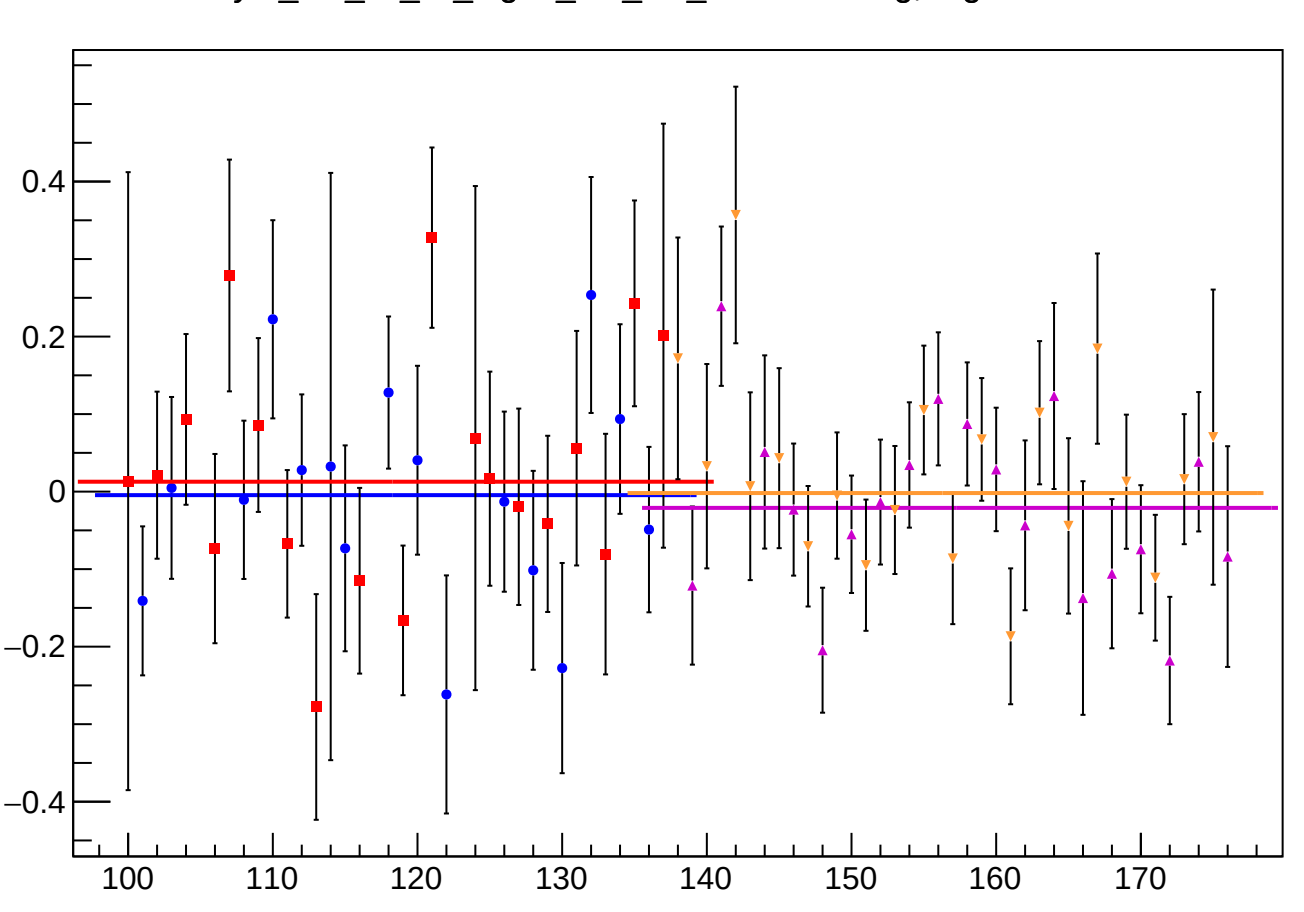
Left: 80.716+/-0.011 χ^2/NDF: 1758599.4/38

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

In: 79.021+/-0.012 χ^2/NDF:943184.1/34

Out: 80.280+/-0.012 χ^2/NDF:1656387.9/38

All: 79.645+/-0.009 χ^2/NDF: 2604856.5/73



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

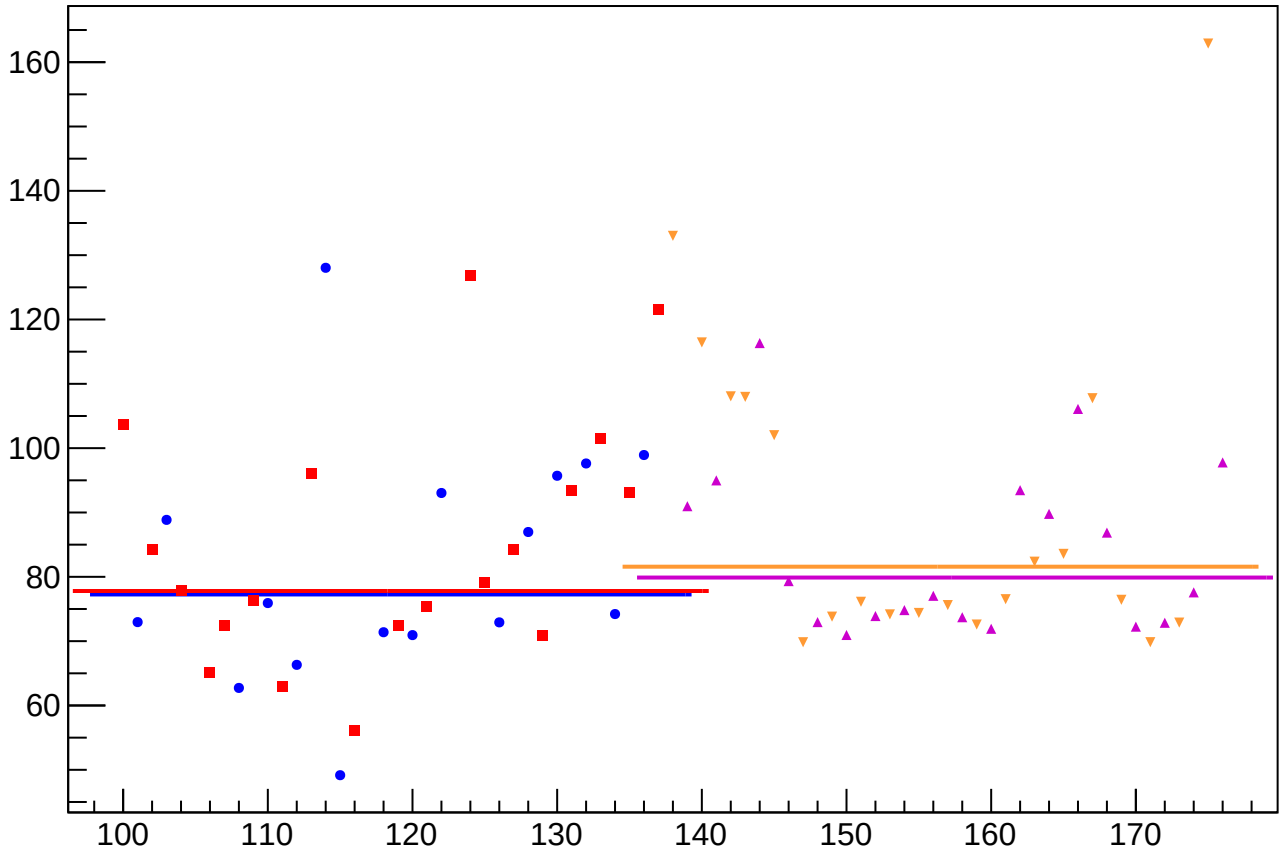
Left: -0.012+/-0.015 χ^2/NDF: 50.4/38

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.7/73



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.575+/-0.015 χ^2/NDF:1238661.0/19

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

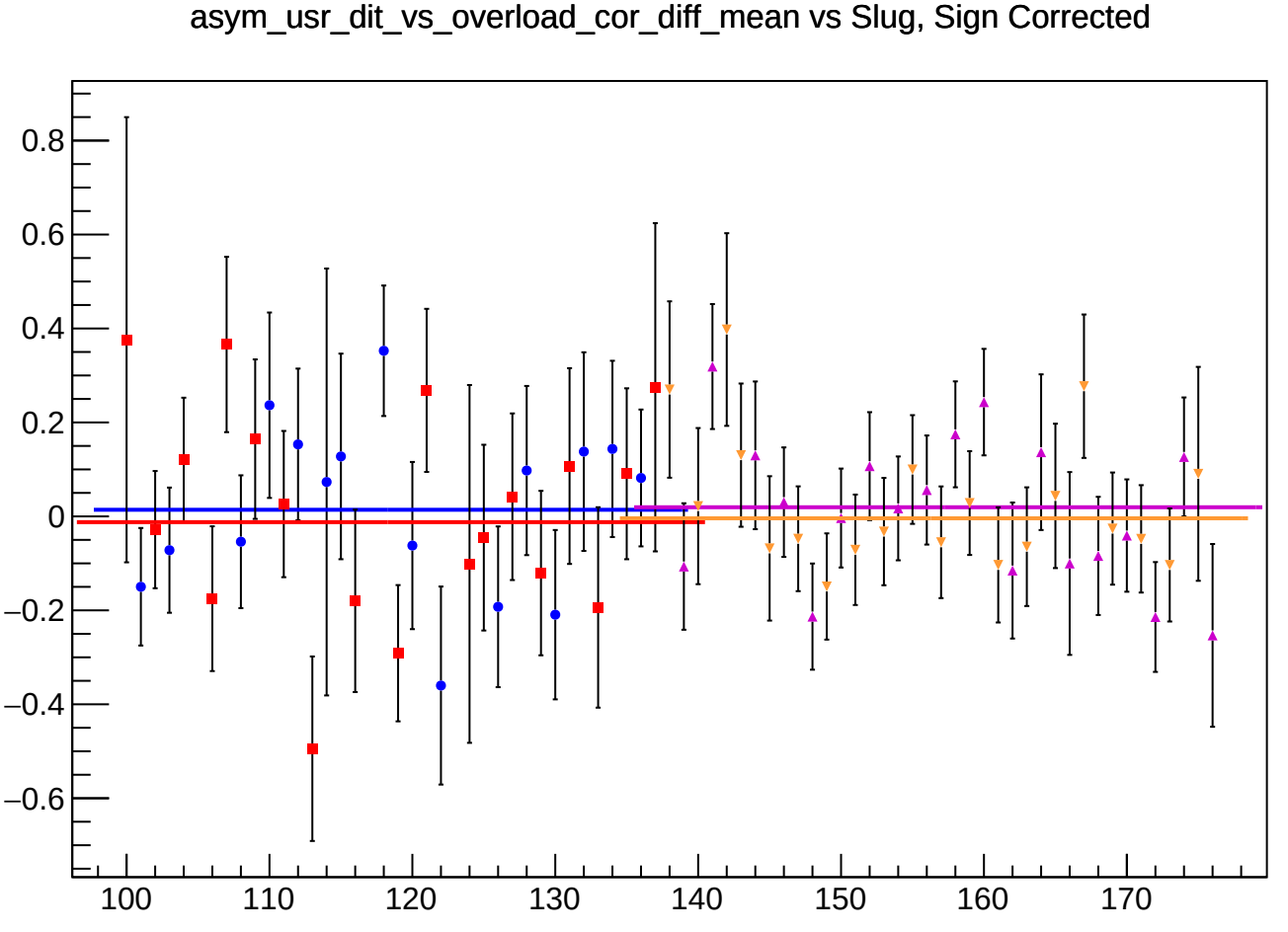
Left: 80.716+/-0.011 χ^2/NDF: 1758599.4/38

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

In: 79.021+/-0.012 χ^2/NDF:943184.1/34

Out: 80.280+/-0.012 χ^2/NDF:1656387.9/38

All: 79.645+/-0.009 χ^2/NDF: 2604856.5/73



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.019+/-0.029 χ^2/NDF:26.6/18

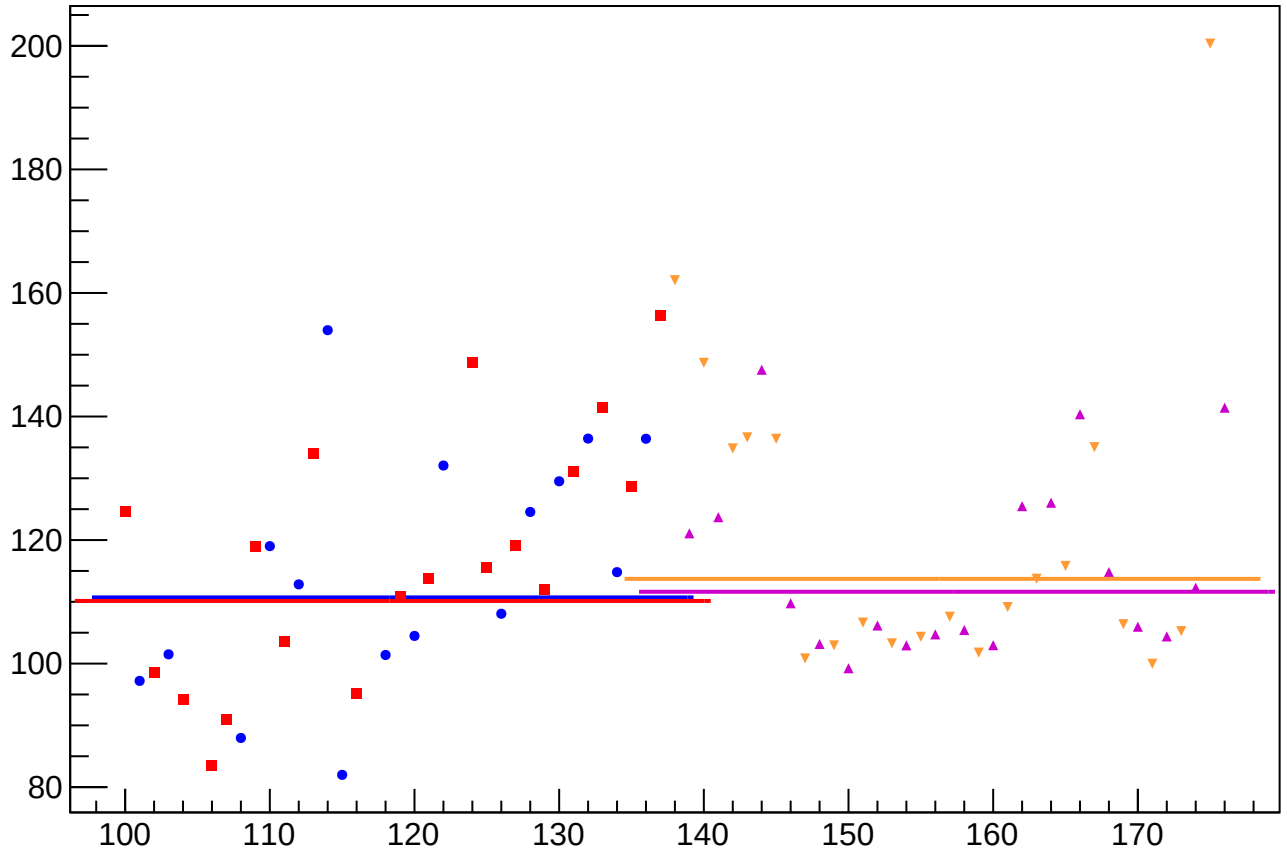
Left: 0.008+/-0.021 χ^2/NDF: 42.5/38

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.024 χ^2/NDF:44.8/34

Out: -0.007+/-0.024 χ^2/NDF:39.4/38

All: 0.005+/-0.017 χ^2/NDF: 84.7/73



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.720+/-0.021 χ^2/NDF:819882.0/19

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.628+/-0.021 χ^2/NDF:349264.7/18

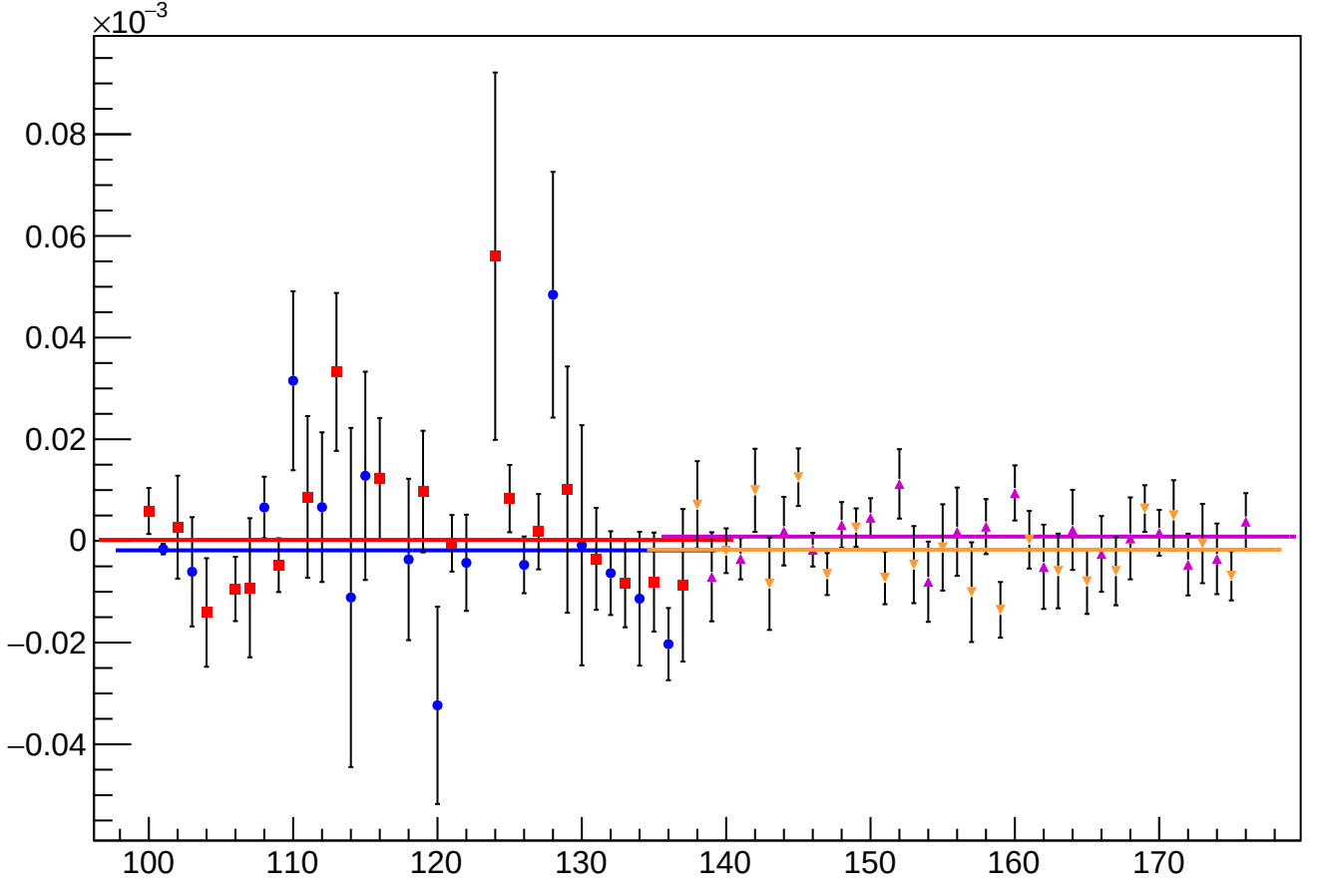
Left: 112.661+/-0.015 χ^2/NDF: 1174280.5/38

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

In: 111.336+/-0.017 χ^2/NDF:649873.1/34

Out: 112.519+/-0.017 χ^2/NDF:1156558.6/38

All: 111.927+/-0.012 χ^2/NDF: 1808877.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/18

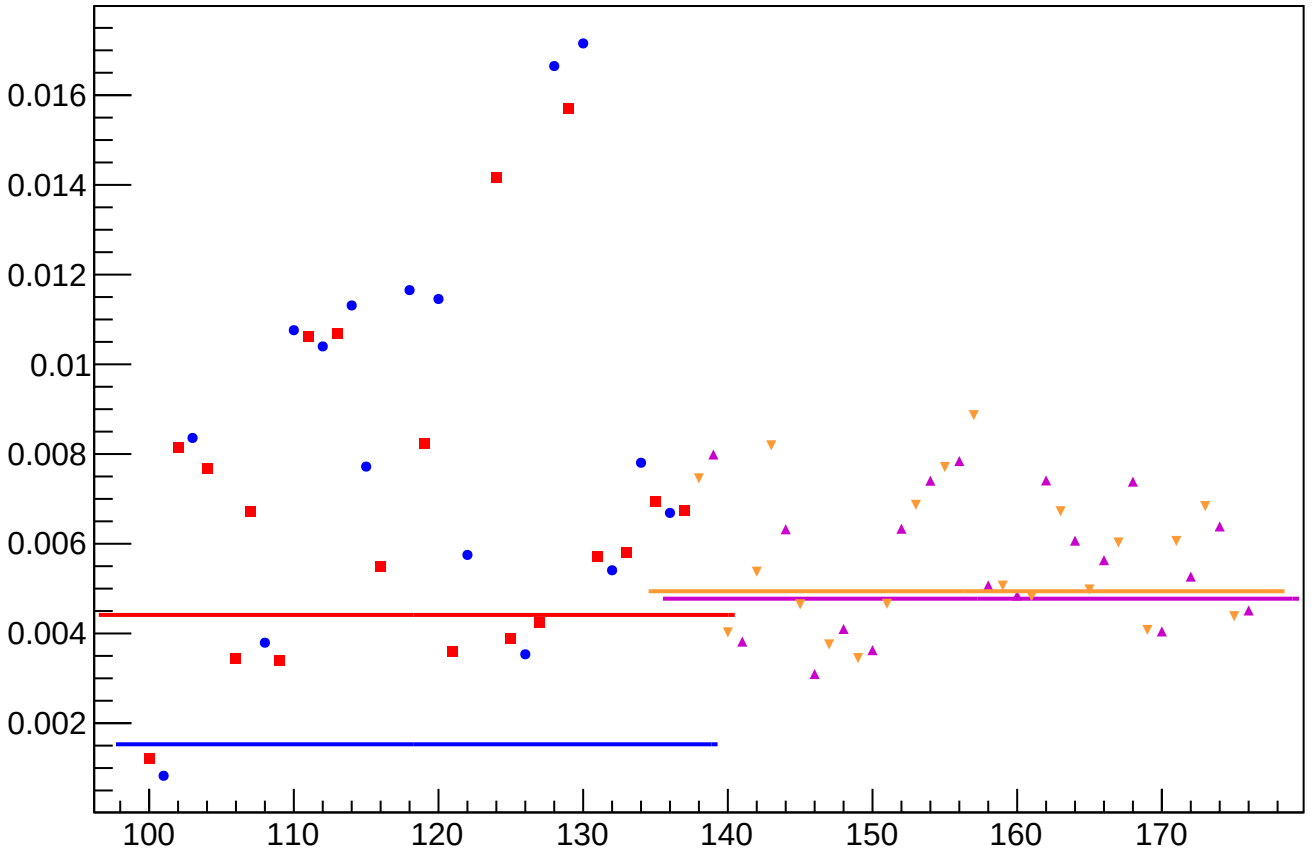
Left: -0.000+/-0.000 χ^2/NDF: 40.6/38

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

In: -0.000+/-0.000 χ^2/NDF:36.5/34

Out: -0.000+/-0.000 χ^2/NDF:46.9/38

All: -0.000+/-0.000 χ^2/NDF: 83.5/73



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2110145.6/19

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2475776.3/18

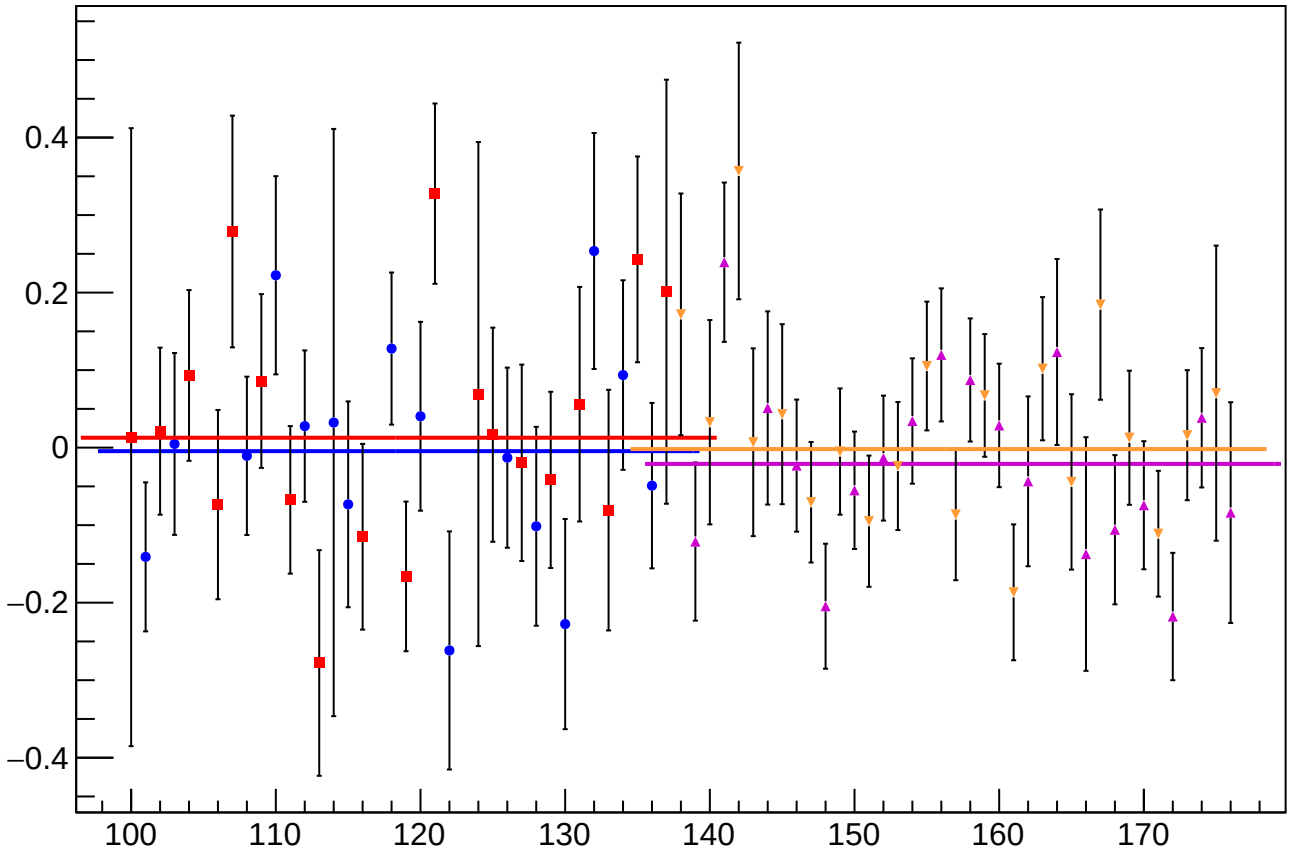
Left: 0.005+/-0.000 χ^2/NDF: 4602546.0/38

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

In: 0.003+/-0.000 χ^2/NDF:19898959.3/34

Out: 0.005+/-0.000 χ^2/NDF:5601315.9/38

All: 0.003+/-0.000 χ^2/NDF: 30267797.3/73



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

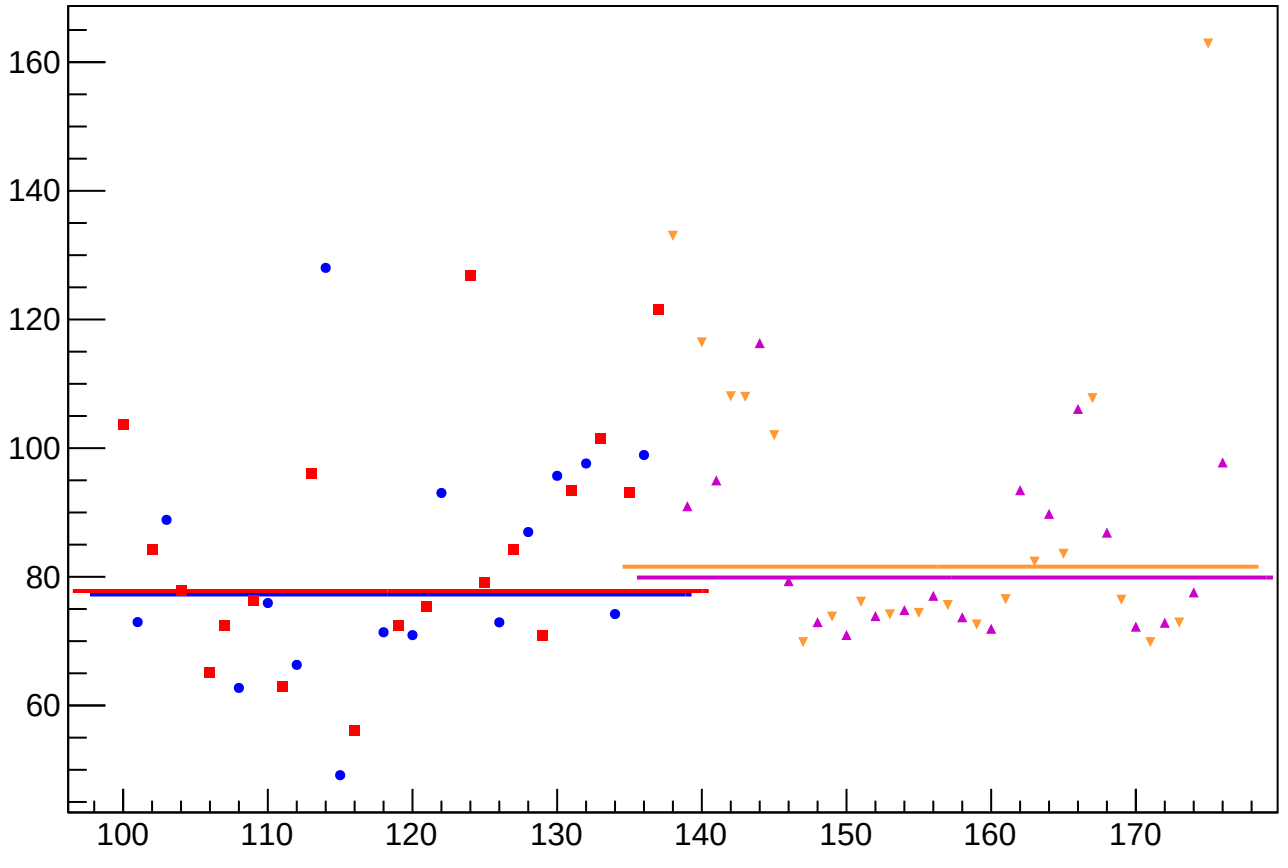
Left: -0.012+/-0.015 χ^2/NDF: 50.4/38

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.7/73



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

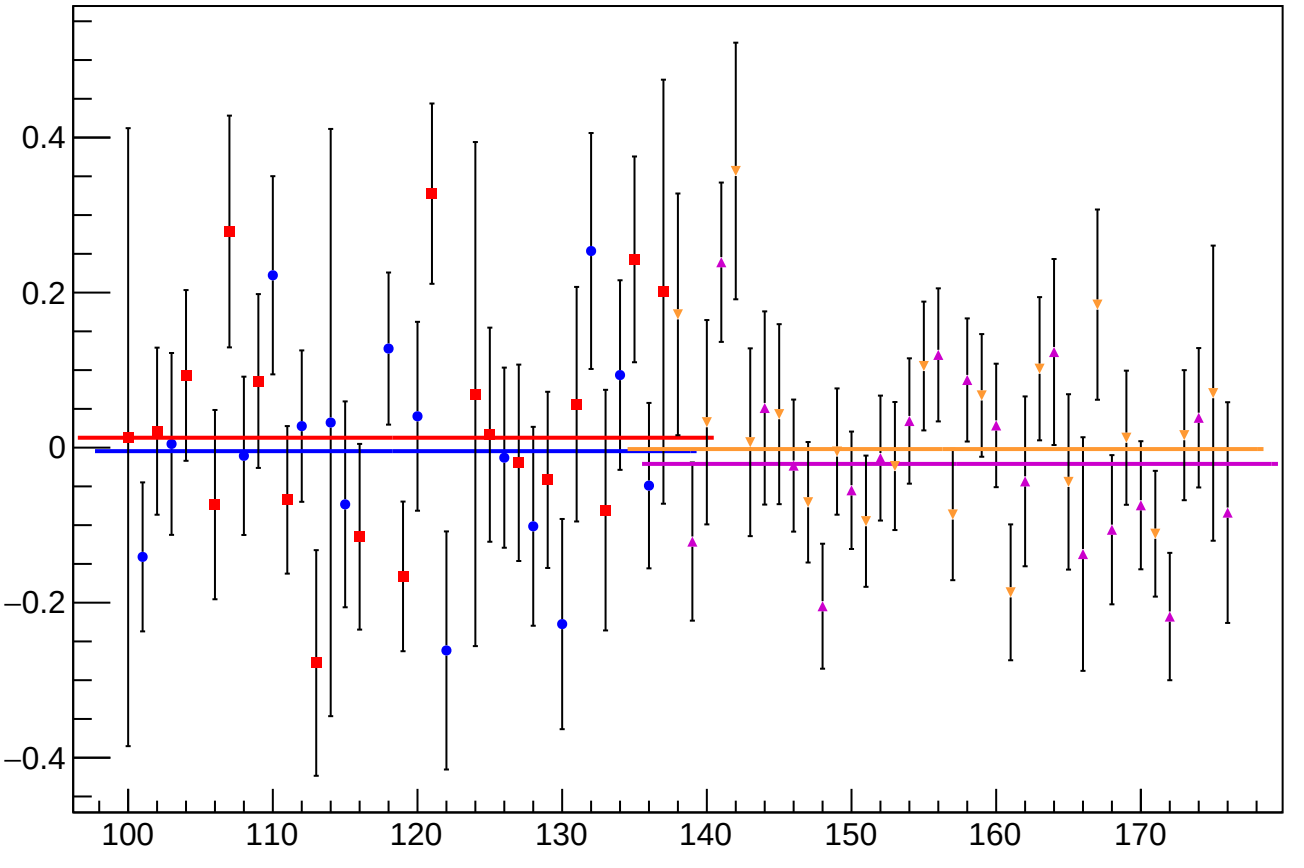
Left: 80.716+/-0.011 χ^2/NDF: 1758600.1/38

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

In: 79.021+/-0.012 χ^2/NDF:943187.7/34

Out: 80.280+/-0.012 χ^2/NDF:1656408.9/38

All: 79.645+/-0.009 χ^2/NDF: 2604881.2/73



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.002+/-0.021 χ^2/NDF:21.8/19

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

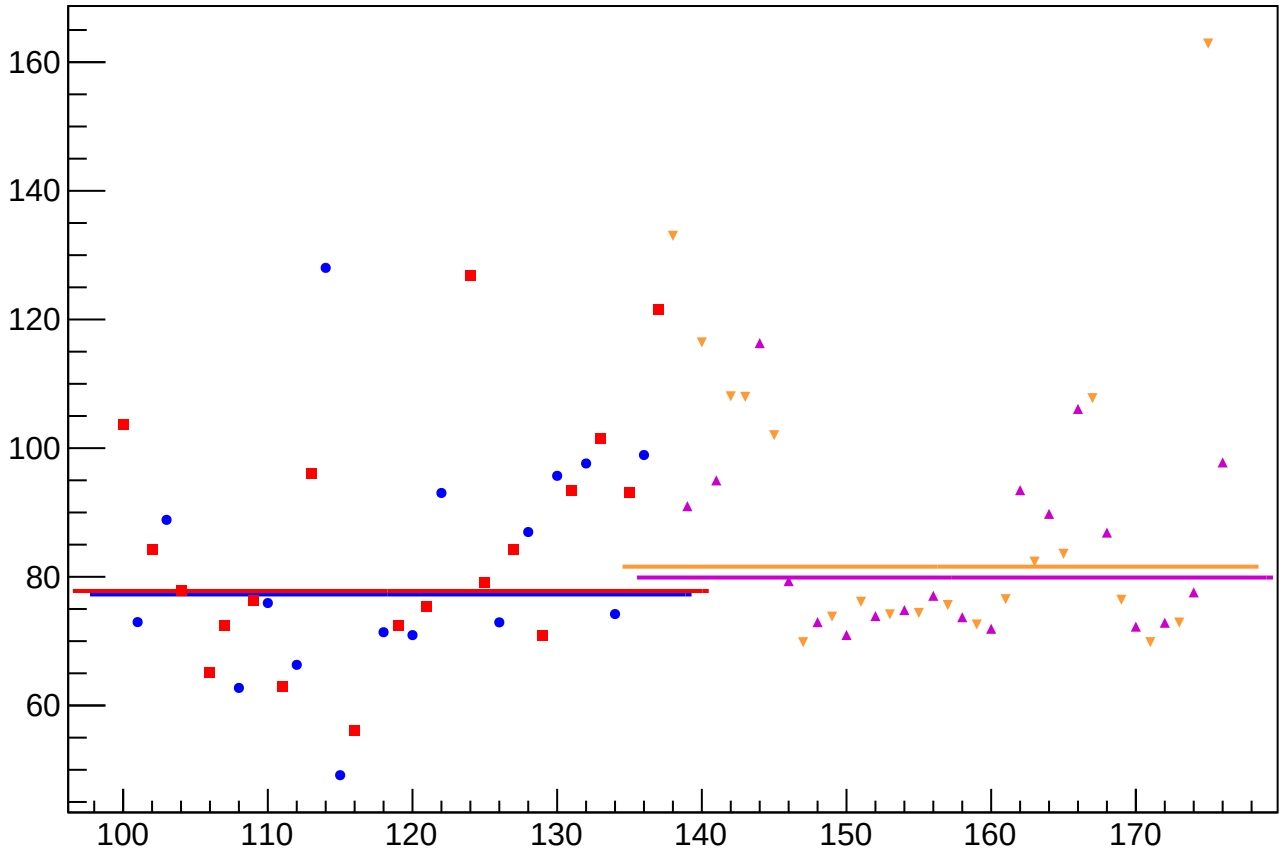
Left: -0.012+/-0.015 χ^2/NDF: 50.4/38

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.003+/-0.017 χ^2/NDF:47.5/38

All: -0.006+/-0.012 χ^2/NDF: 93.7/73



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.576+/-0.015 χ^2/NDF:1238660.3/19

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

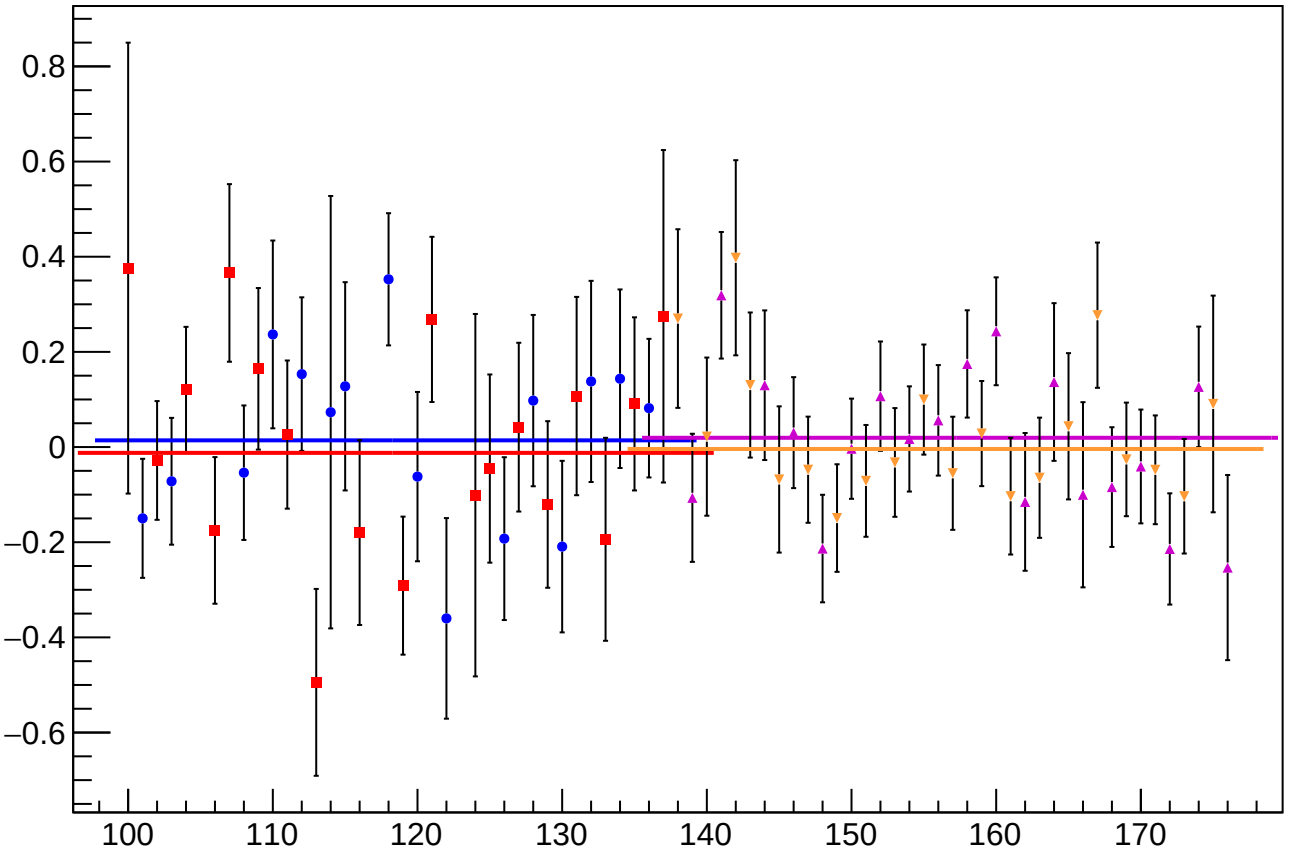
Left: 80.716+/-0.011 χ^2/NDF: 1758600.1/38

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

In: 79.021+/-0.012 χ^2/NDF:943187.7/34

Out: 80.280+/-0.012 χ^2/NDF:1656408.9/38

All: 79.645+/-0.009 χ^2/NDF: 2604881.2/73



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.029 χ^2/NDF:15.6/19

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.019+/-0.029 χ^2/NDF:26.6/18

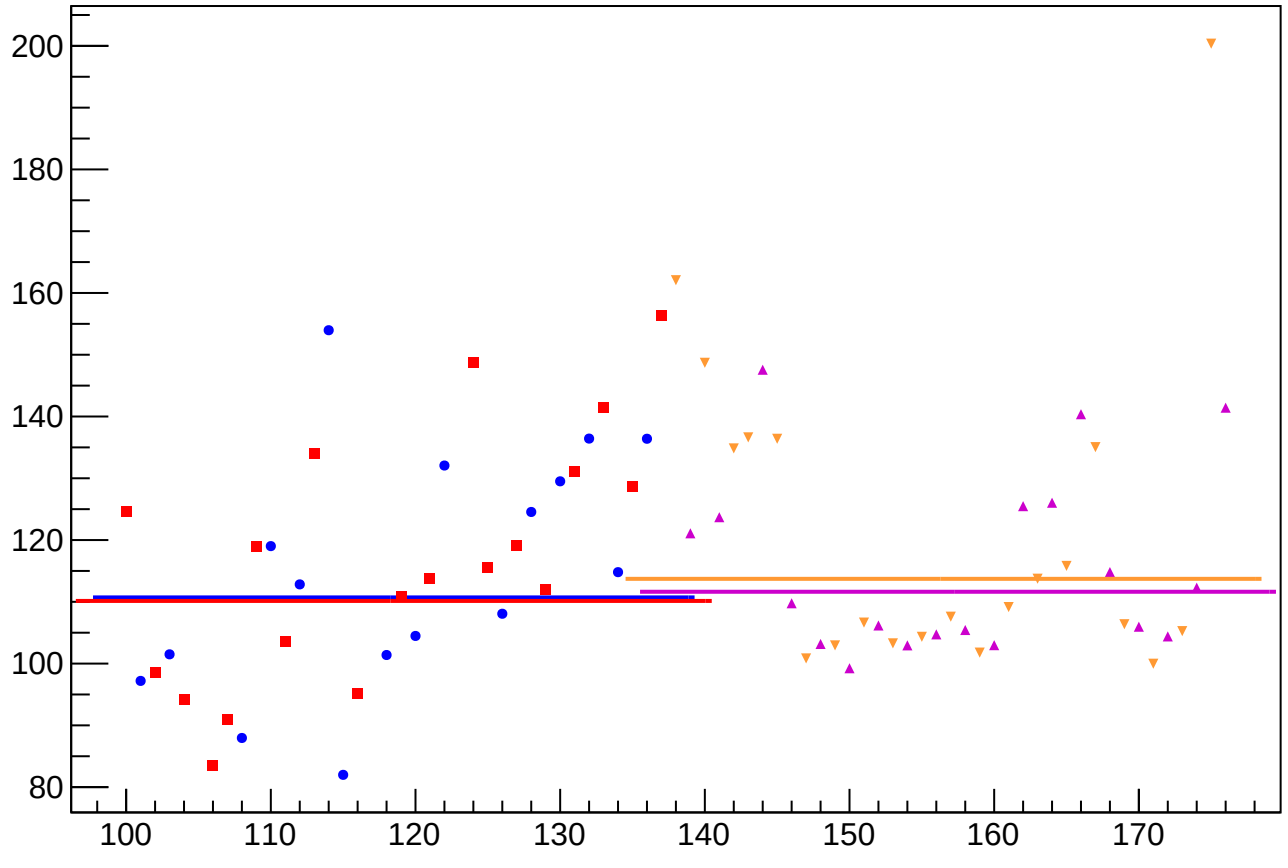
Left: 0.008+/-0.021 χ^2/NDF: 42.5/38

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.024 χ^2/NDF:44.8/34

Out: -0.007+/-0.024 χ^2/NDF:39.4/38

All: 0.005+/-0.017 χ^2/NDF: 84.7/73



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.721+/-0.021 χ^2/NDF:819880.5/19

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.629+/-0.021 χ^2/NDF:349266.4/18

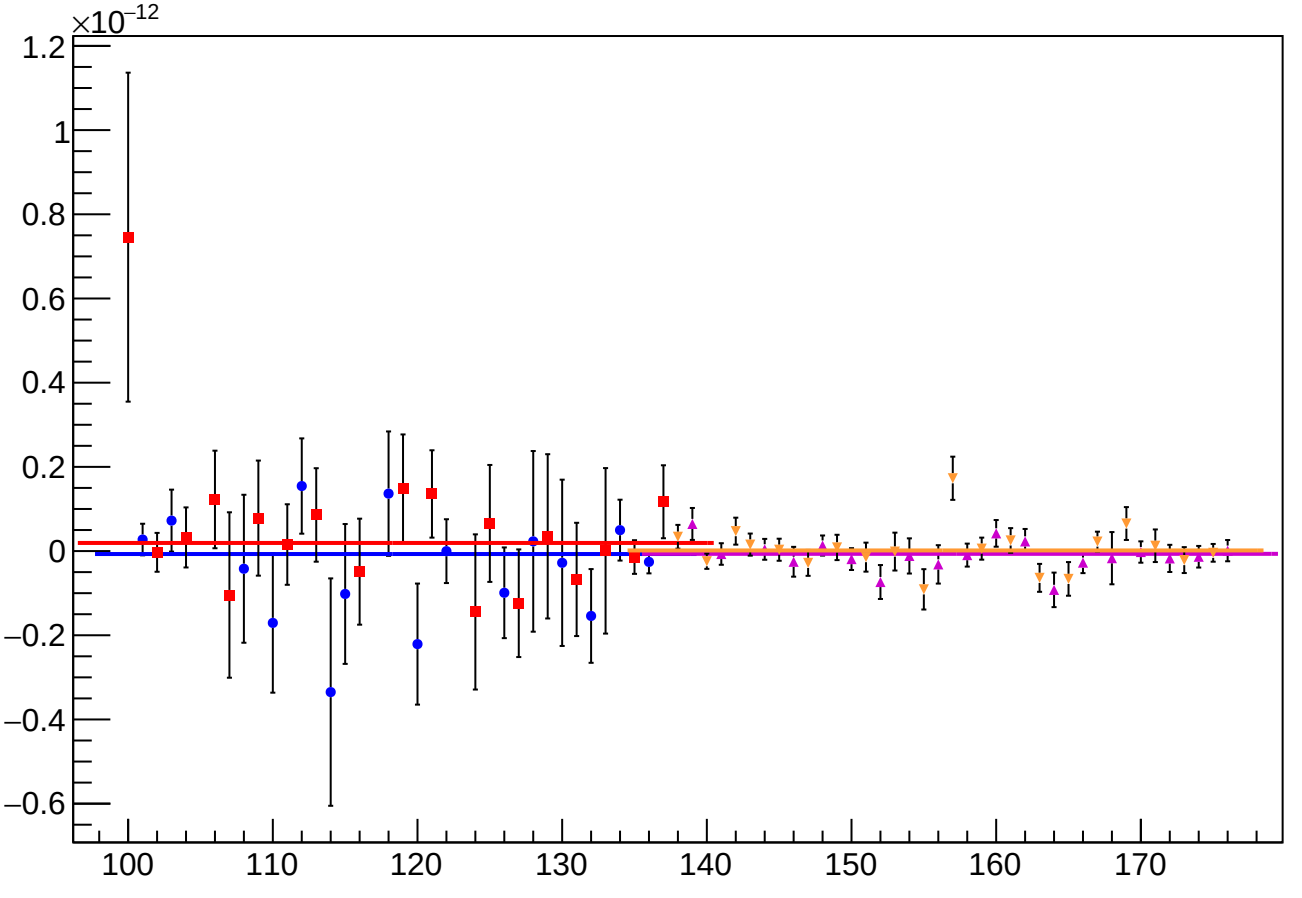
Left: 112.662+/-0.015 χ^2/NDF: 1174281.1/38

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

In: 111.336+/-0.017 χ^2/NDF:649852.0/34

Out: 112.519+/-0.017 χ^2/NDF:1156534.1/38

All: 111.927+/-0.012 χ^2/NDF: 1808832.1/73



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/18

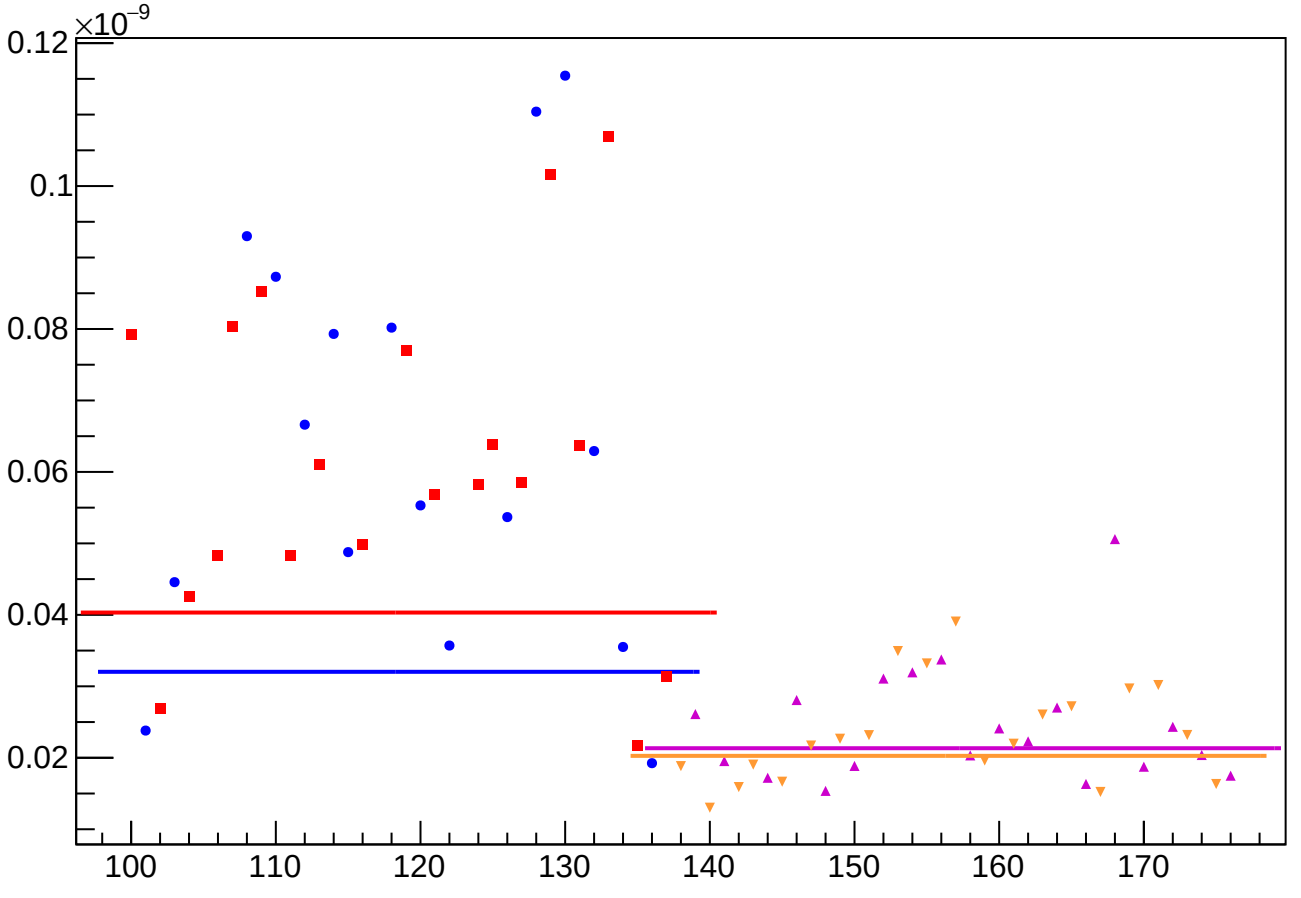
Left: -0.000+/-0.000 χ^2/NDF: 50.8/38

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.3/34

Out: 0.000+/-0.000 χ^2/NDF:46.6/38

All: -0.000+/-0.000 χ^2/NDF: 78.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1618798.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1378539.2/18

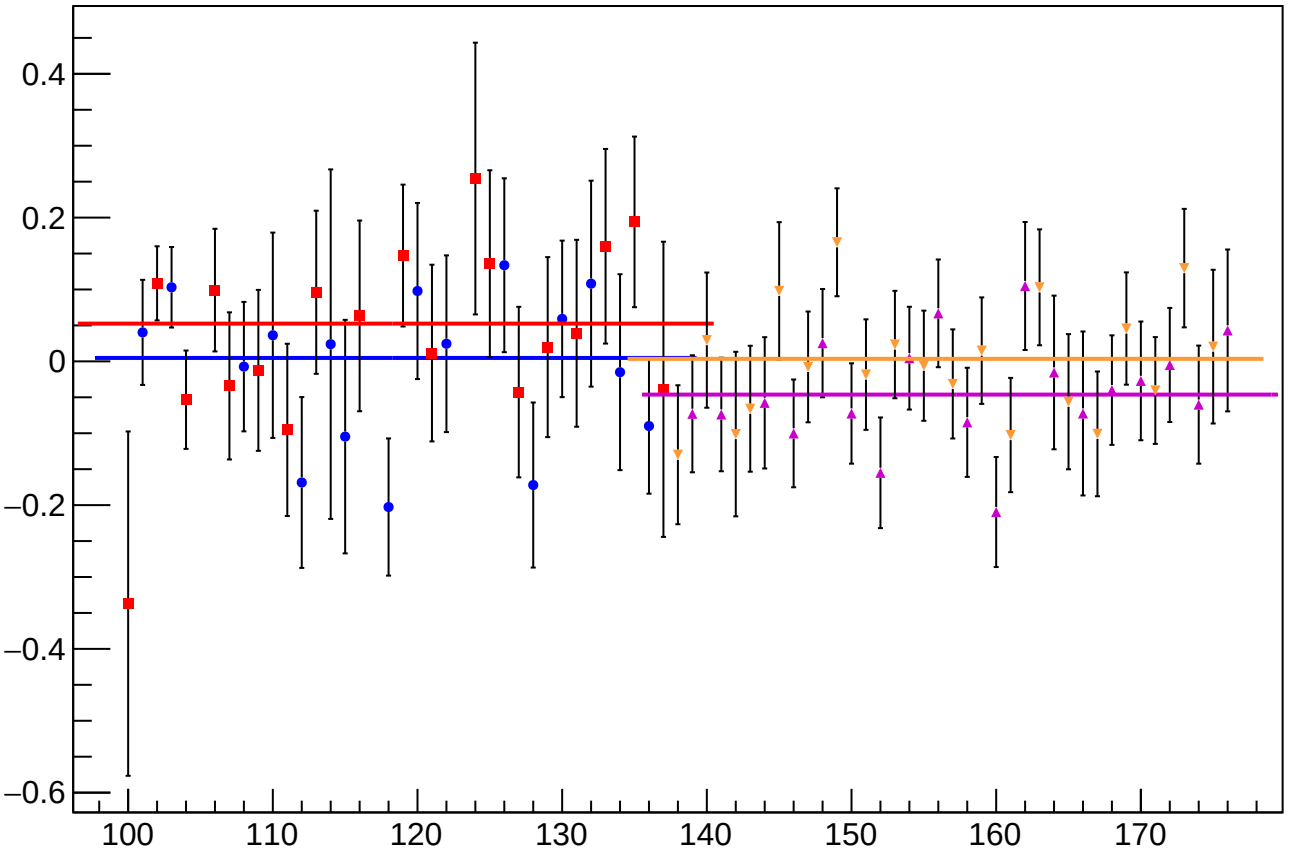
Left: 0.000+/-0.000 χ^2/NDF: 3022506.8/38

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4458388.1/34

Out: 0.000+/-0.000 χ^2/NDF:5128541.3/38

All: 0.000+/-0.000 χ^2/NDF: 9597999.3/73



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.019 χ^2/NDF:17.7/19

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.019 χ^2/NDF:15.4/18

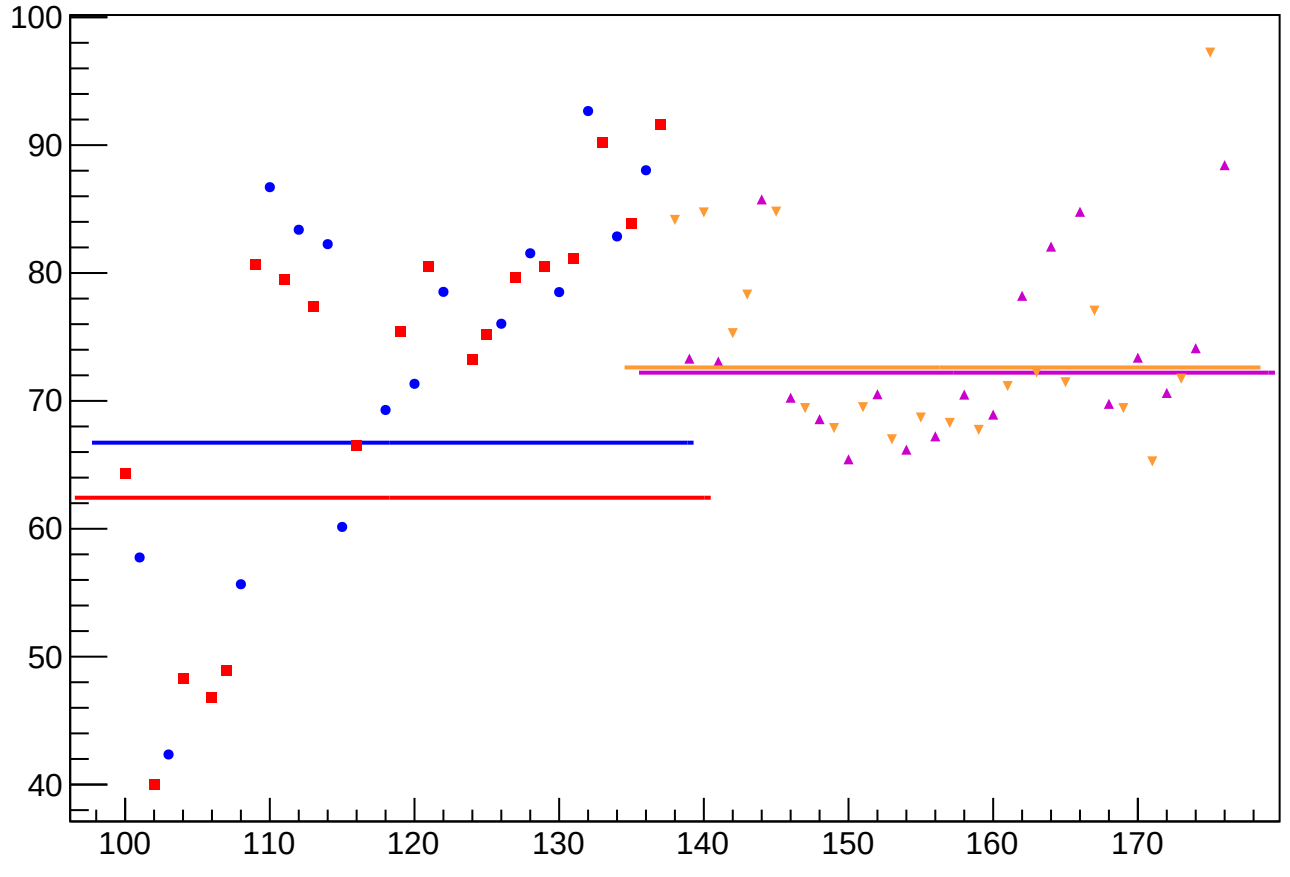
Left: -0.021+/-0.013 χ^2/NDF: 36.6/38

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/34

Out: 0.022+/-0.015 χ^2/NDF:35.1/38

All: -0.003+/-0.011 χ^2/NDF: 75.4/73



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

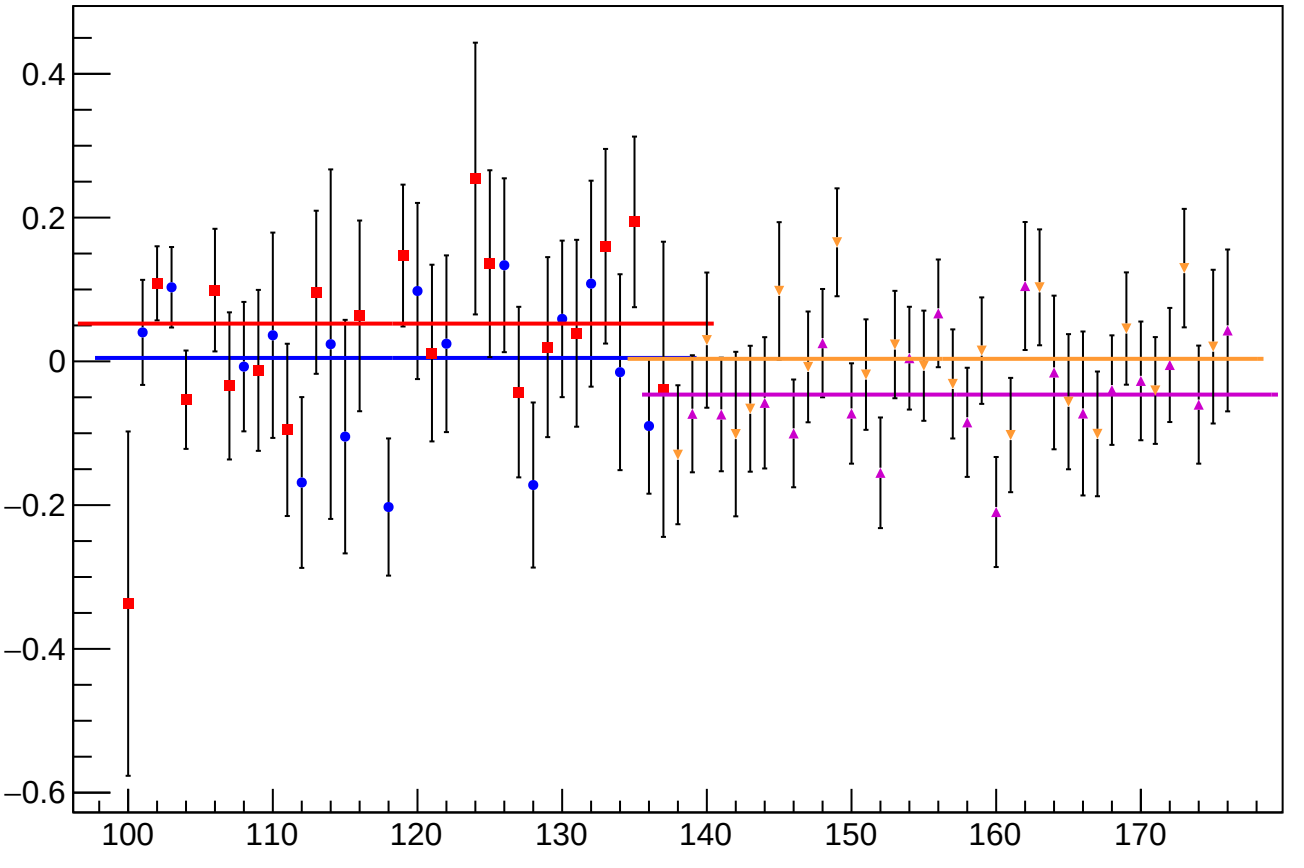
Left: 72.412+/-0.009 χ^2/NDF: 480436.5/38

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.336+/-0.011 χ^2/NDF:1070050.6/34

Out: 68.814+/-0.010 χ^2/NDF:1623775.3/38

All: 69.554+/-0.007 χ^2/NDF: 2704224.3/73



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.019 χ^2/NDF:17.7/19

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.019 χ^2/NDF:15.4/18

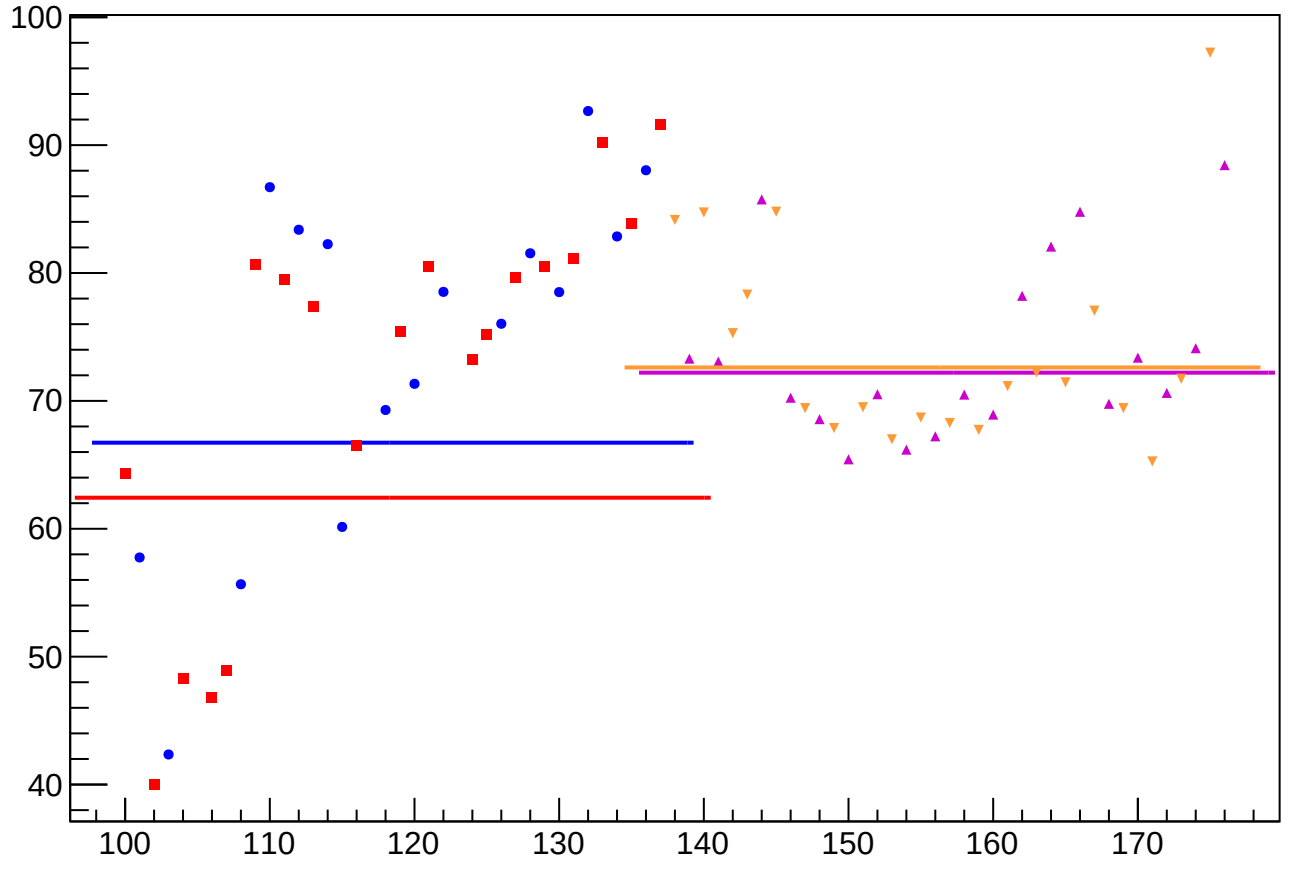
Left: -0.021+/-0.013 χ^2/NDF: 36.6/38

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/34

Out: 0.022+/-0.015 χ^2/NDF:35.1/38

All: -0.003+/-0.011 χ^2/NDF: 75.4/73



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.616+/-0.013 χ^2/NDF:285496.0/19

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

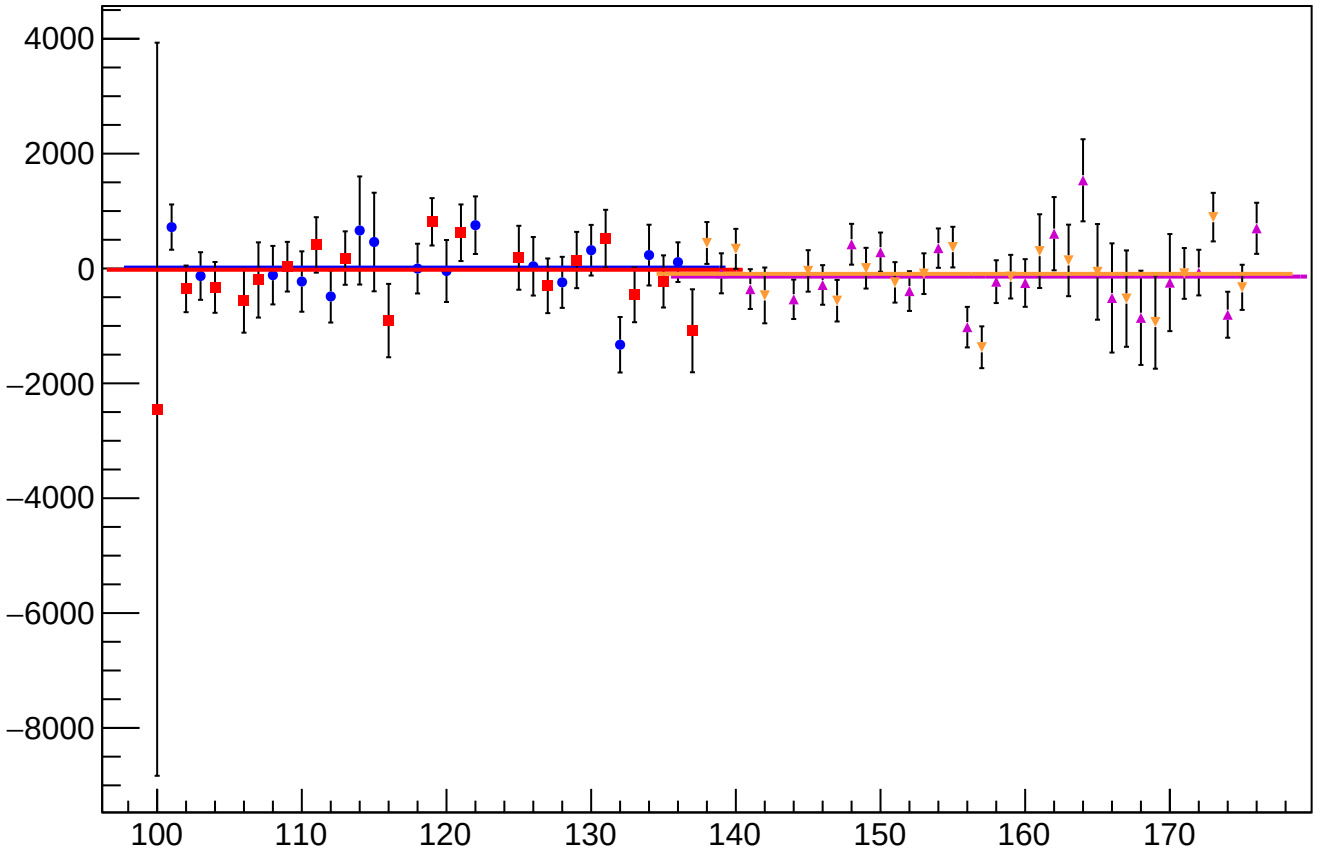
Left: 72.412+/-0.009 χ^2/NDF: 480436.5/38

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.336+/-0.011 χ^2/NDF:1070050.6/34

Out: 68.814+/-0.010 χ^2/NDF:1623775.3/38

All: 69.554+/-0.007 χ^2/NDF: 2704224.3/73



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -93.458+/-96.081 χ^2/NDF:28.0/18

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -141.110+/-93.707 χ^2/NDF:29.1/18

Left: -117.880+/-67.084 χ^2/NDF: 57.3/37

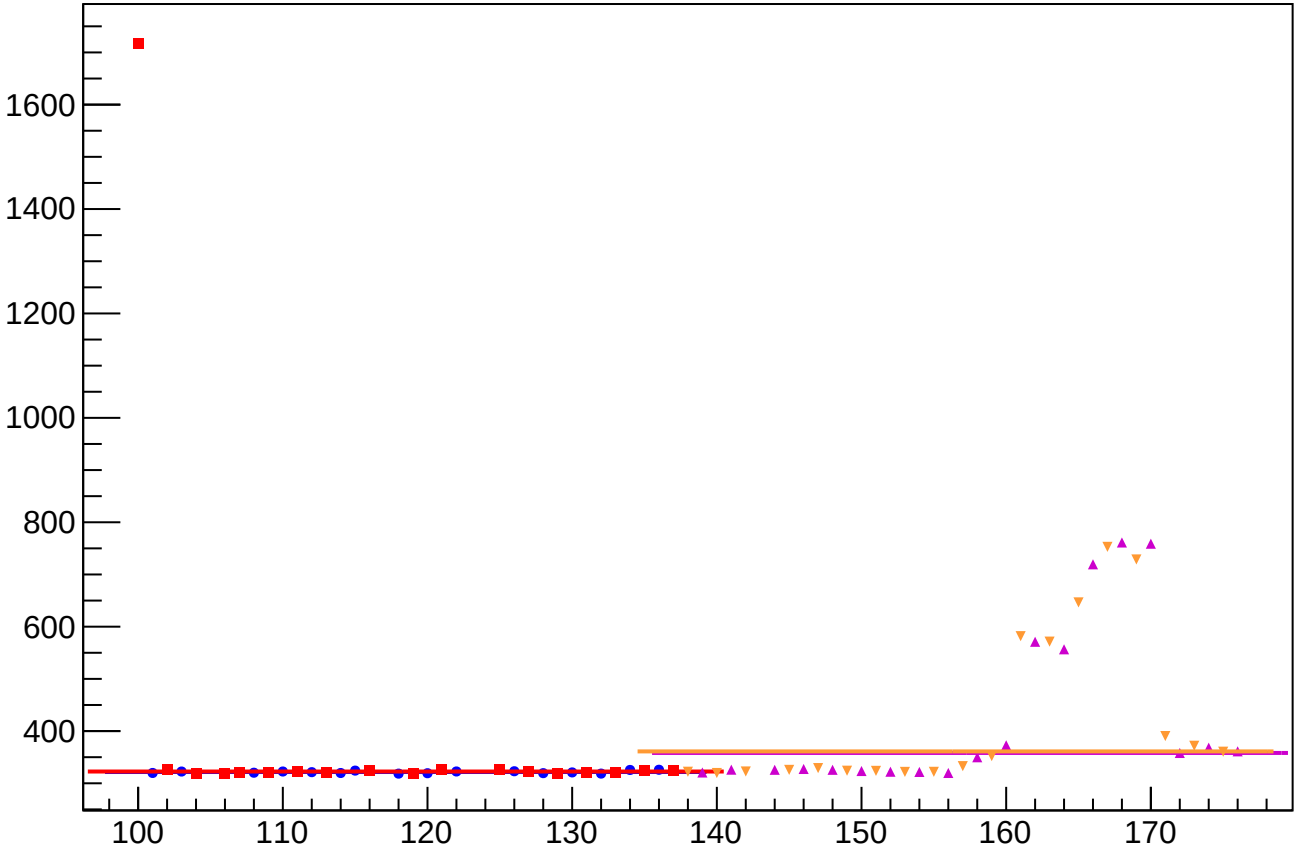
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -81.429+/-73.723 χ^2/NDF:46.7/34

Out: -65.376+/-74.808 χ^2/NDF:44.2/36

All: -73.520+/-52.510 χ^2/NDF: 91.0/71

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.075+/-0.068 χ^2/NDF:1758912.9/18

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 358.133+/-0.066 χ^2/NDF:1781947.8/18

Left: 359.567+/-0.047 χ^2/NDF: 3541821.8/37

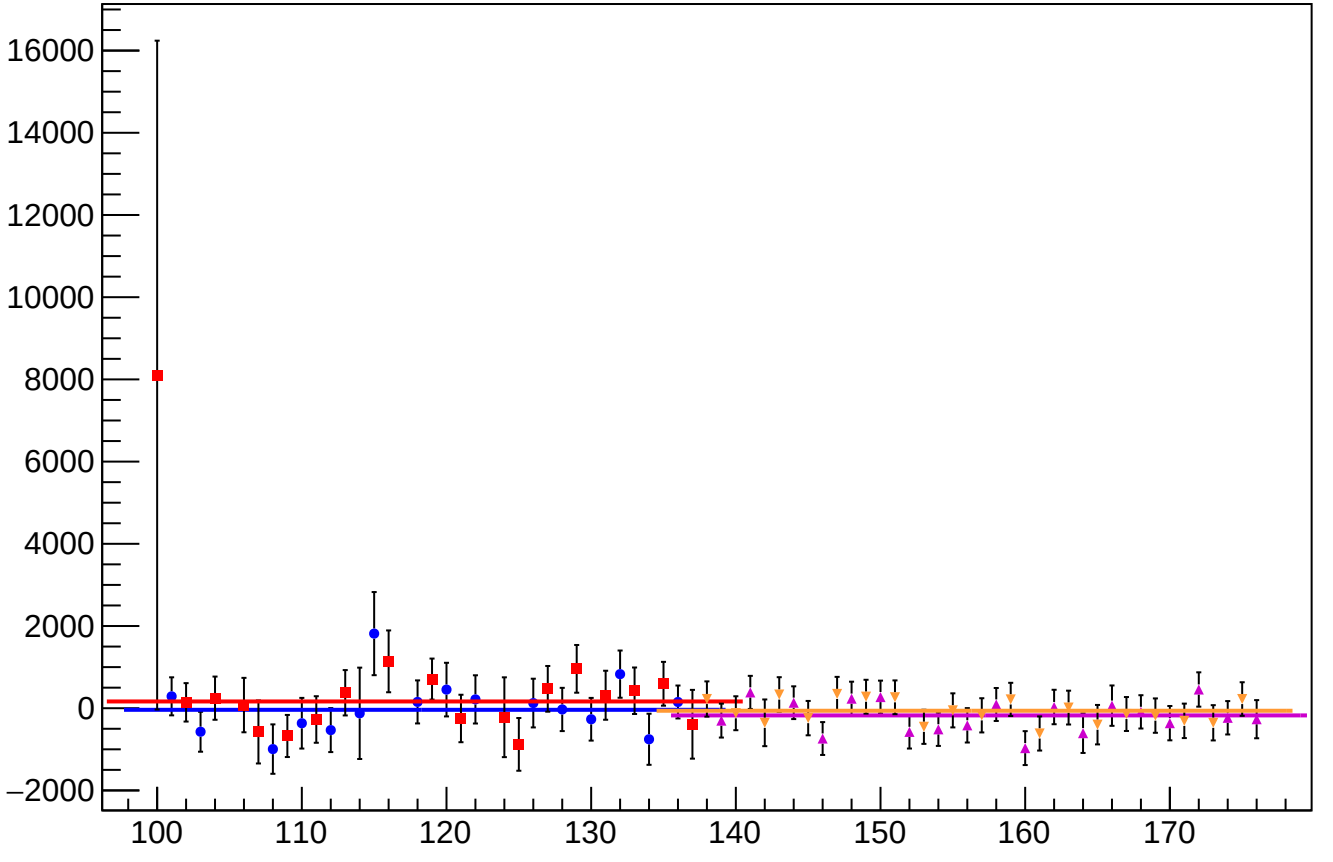
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 344.214+/-0.052 χ^2/NDF:1898579.3/34

Out: 345.906+/-0.053 χ^2/NDF:1982408.8/36

All: 345.047+/-0.037 χ^2/NDF: 3881506.8/71

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -61.502+/-94.646 χ^2/NDF:9.2/19

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -174.946+/-95.713 χ^2/NDF:16.9/18

Left: -117.589+/-67.299 χ^2/NDF: 26.8/38

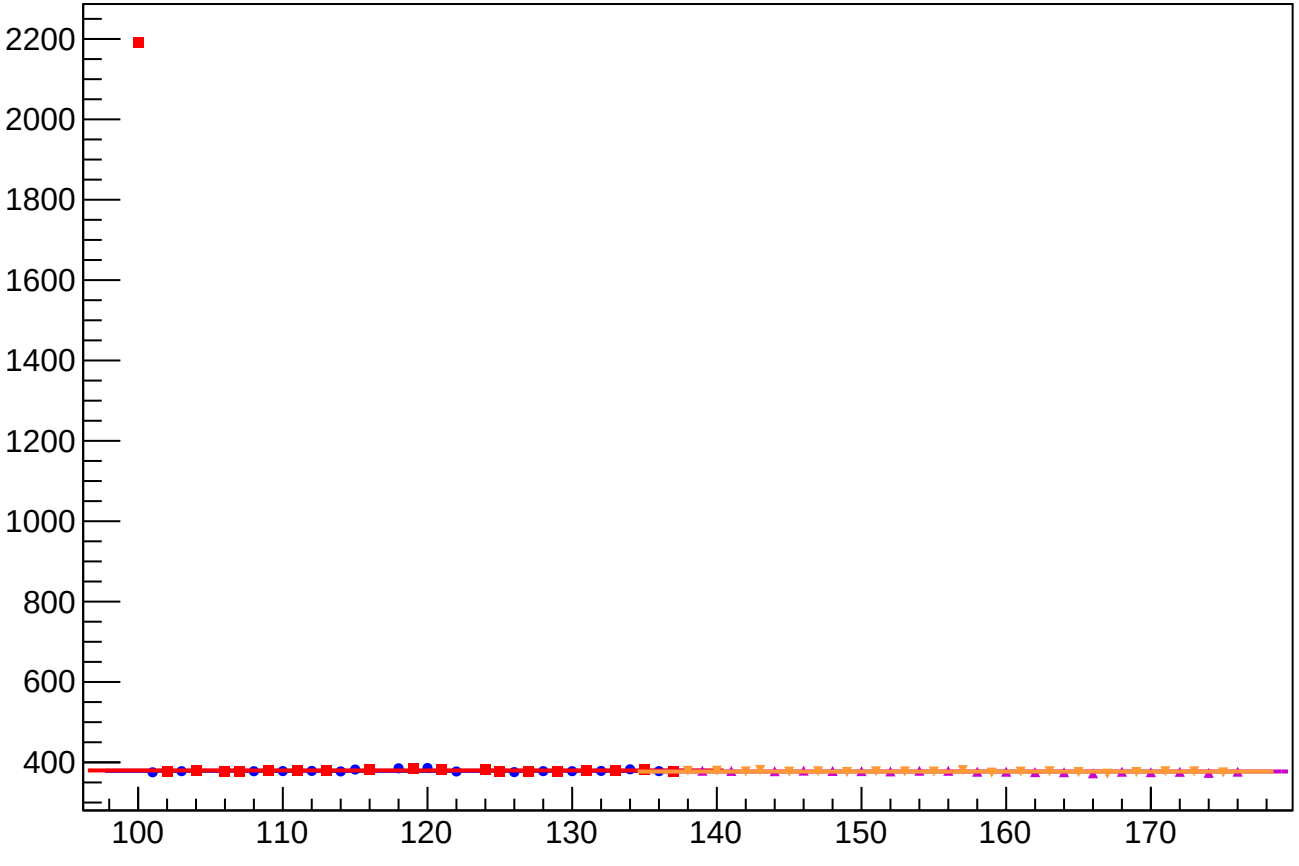
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -131.919+/-79.141 χ^2/NDF:31.2/34

Out: 10.159+/-78.226 χ^2/NDF:26.1/38

All: -60.053+/-55.635 χ^2/NDF: 59.0/73

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.109+/-0.067 χ^2/NDF:940.9/19

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.310+/-0.068 χ^2/NDF:665.1/18

Left: 377.208+/-0.048 χ^2/NDF: 1610.5/38

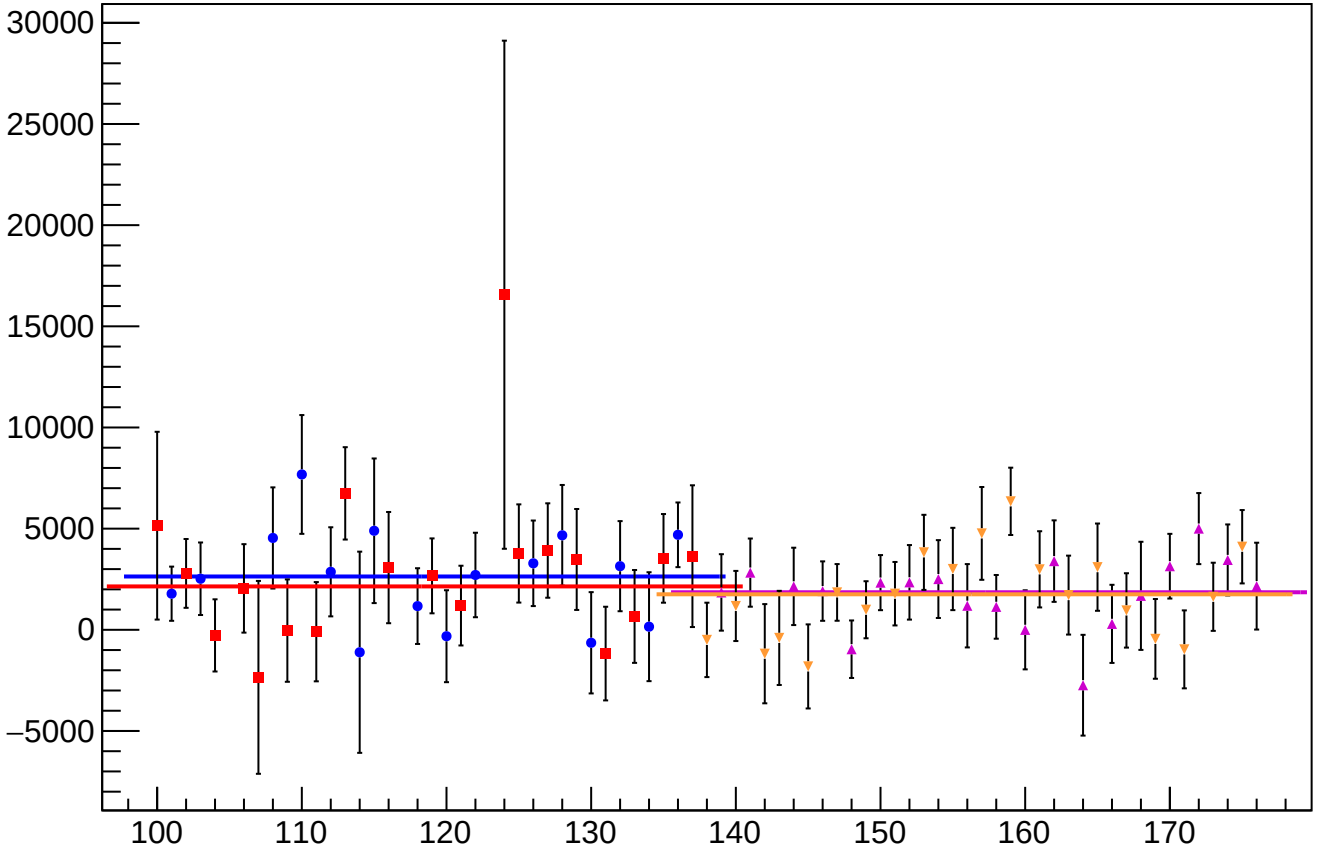
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.816+/-0.056 χ^2/NDF:1693.1/34

Out: 377.986+/-0.055 χ^2/NDF:101104.9/38

All: 377.902+/-0.039 χ^2/NDF: 102802.6/73

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1755.717+/-409.809 χ^2/NDF:24.1/19

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1855.693+/-410.183 χ^2/NDF:15.2/18

Left: 1805.659+/-289.911 χ^2/NDF: 39.3/38

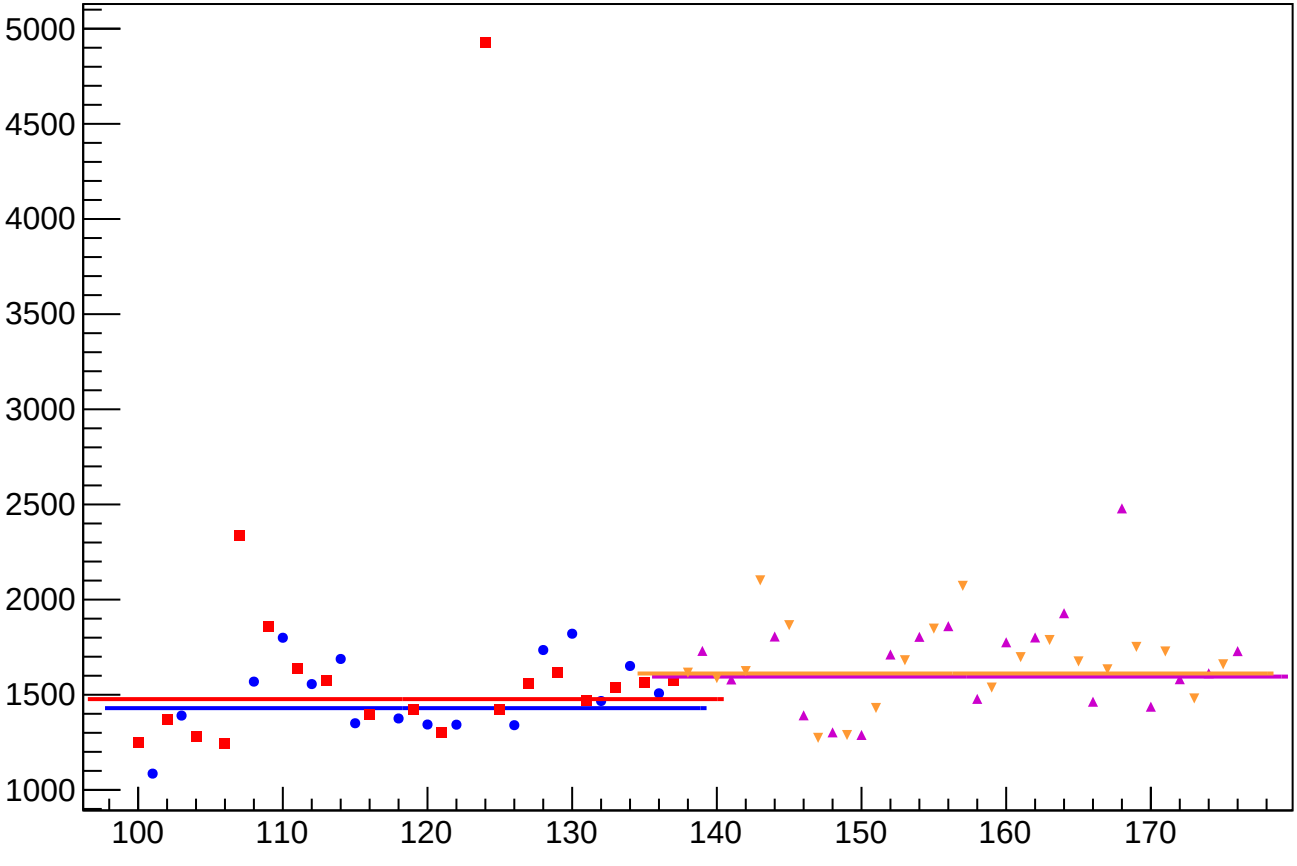
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2142.292+/-326.199 χ^2/NDF:28.8/34

Out: 1895.523+/-327.966 χ^2/NDF:39.4/38

All: 2019.574+/-231.280 χ^2/NDF: 68.5/73

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1611.725+/-0.290 χ^2/NDF:534835.8/19

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

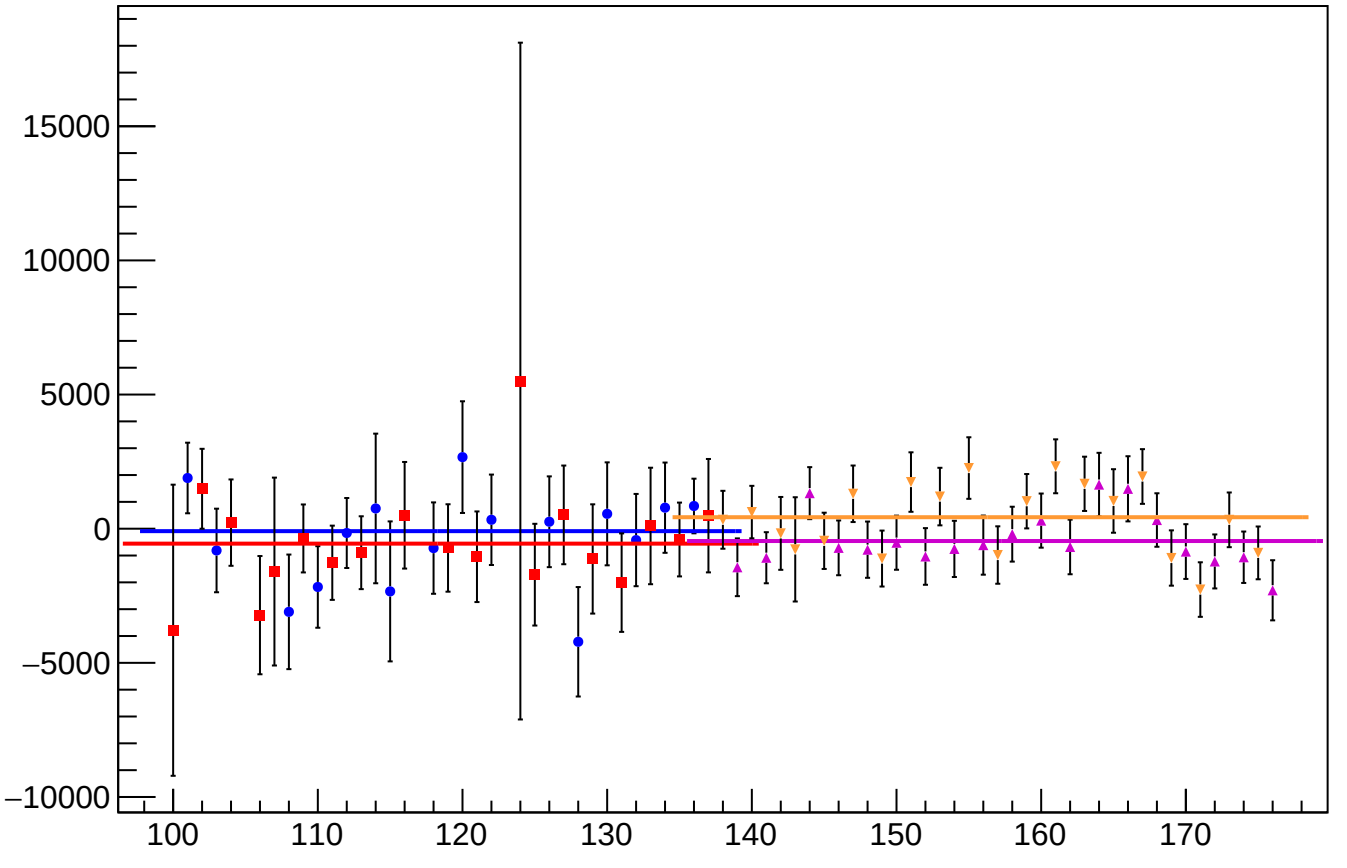
Left: 1603.621+/-0.205 χ^2/NDF: 1201104.8/38

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1534.541+/-0.231 χ^2/NDF:1078274.7/34

Out: 1563.332+/-0.232 χ^2/NDF:981836.0/38

All: 1548.858+/-0.164 χ^2/NDF: 2067858.9/73



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

Left Out: 427.960+/-240.551 χ^2/NDF:29.4/19

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -459.454+/-238.030 χ^2/NDF:16.0/18

Left: -20.422+/-169.197 χ^2/NDF: 52.2/38

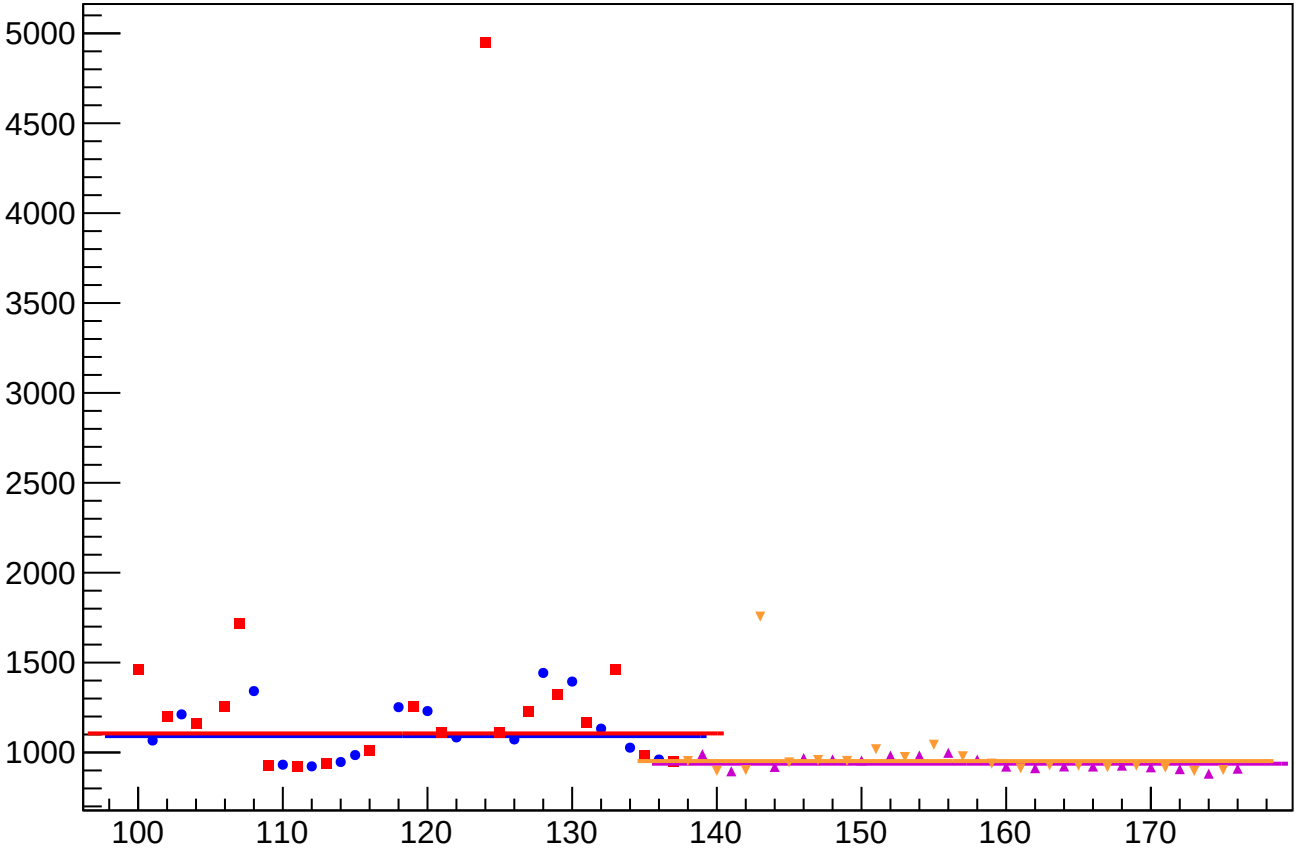
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -366.634+/-205.848 χ^2/NDF:31.2/34

Out: 177.001+/-207.651 χ^2/NDF:40.4/38

All: -97.187+/-146.190 χ^2/NDF: 75.0/73

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.245+/-0.170 χ^2/NDF:395189.2/19

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

Left: 944.845+/-0.120 χ^2/NDF: 439467.1/38

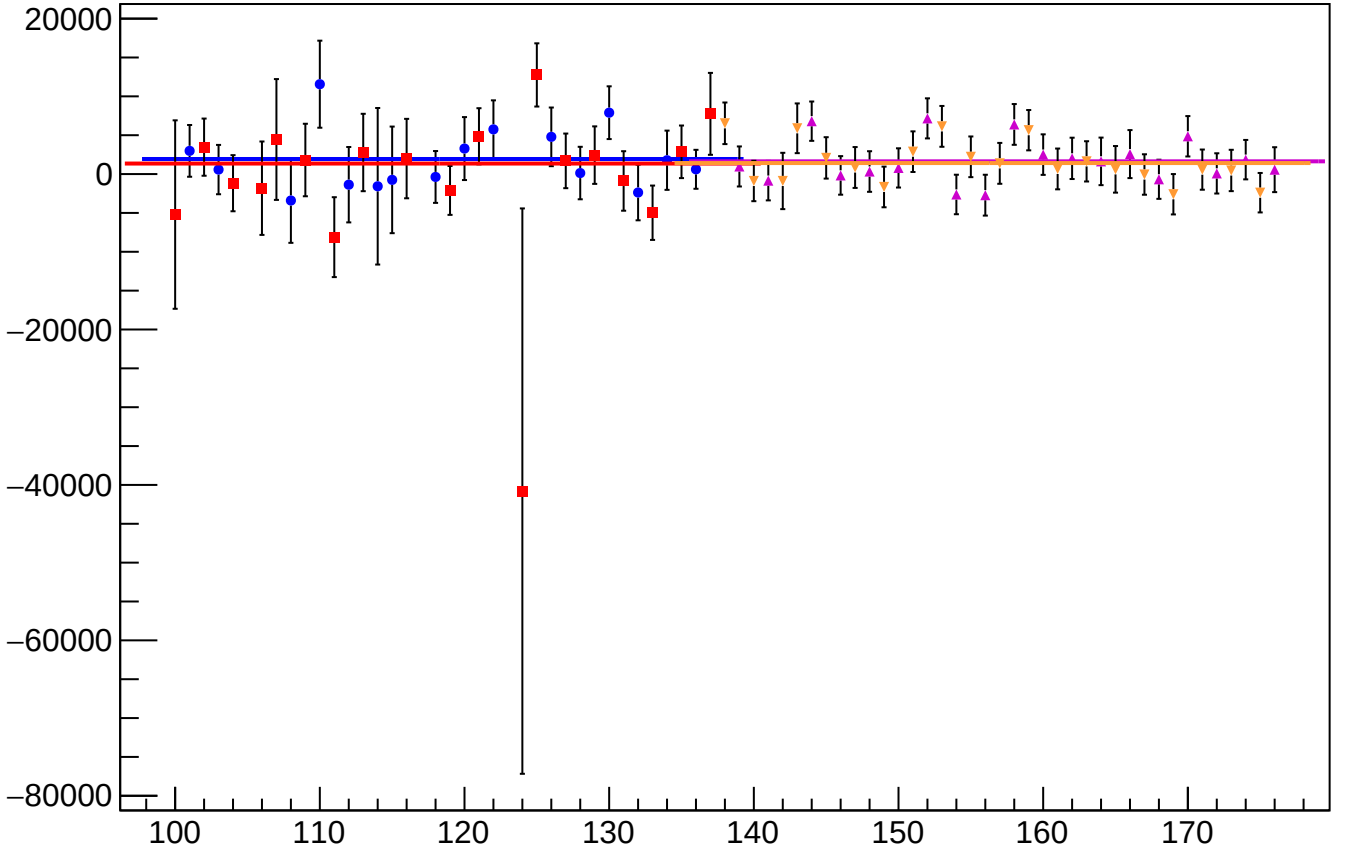
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 976.286+/-0.146 χ^2/NDF:527376.5/34

Out: 991.438+/-0.147 χ^2/NDF:1117635.6/38

All: 983.796+/-0.103 χ^2/NDF: 1650382.7/73

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.335+/-600.737 χ^2/NDF:20.0/19

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1638.462+/-602.671 χ^2/NDF:22.6/18

Left: 1527.543+/-425.467 χ^2/NDF: 42.6/38

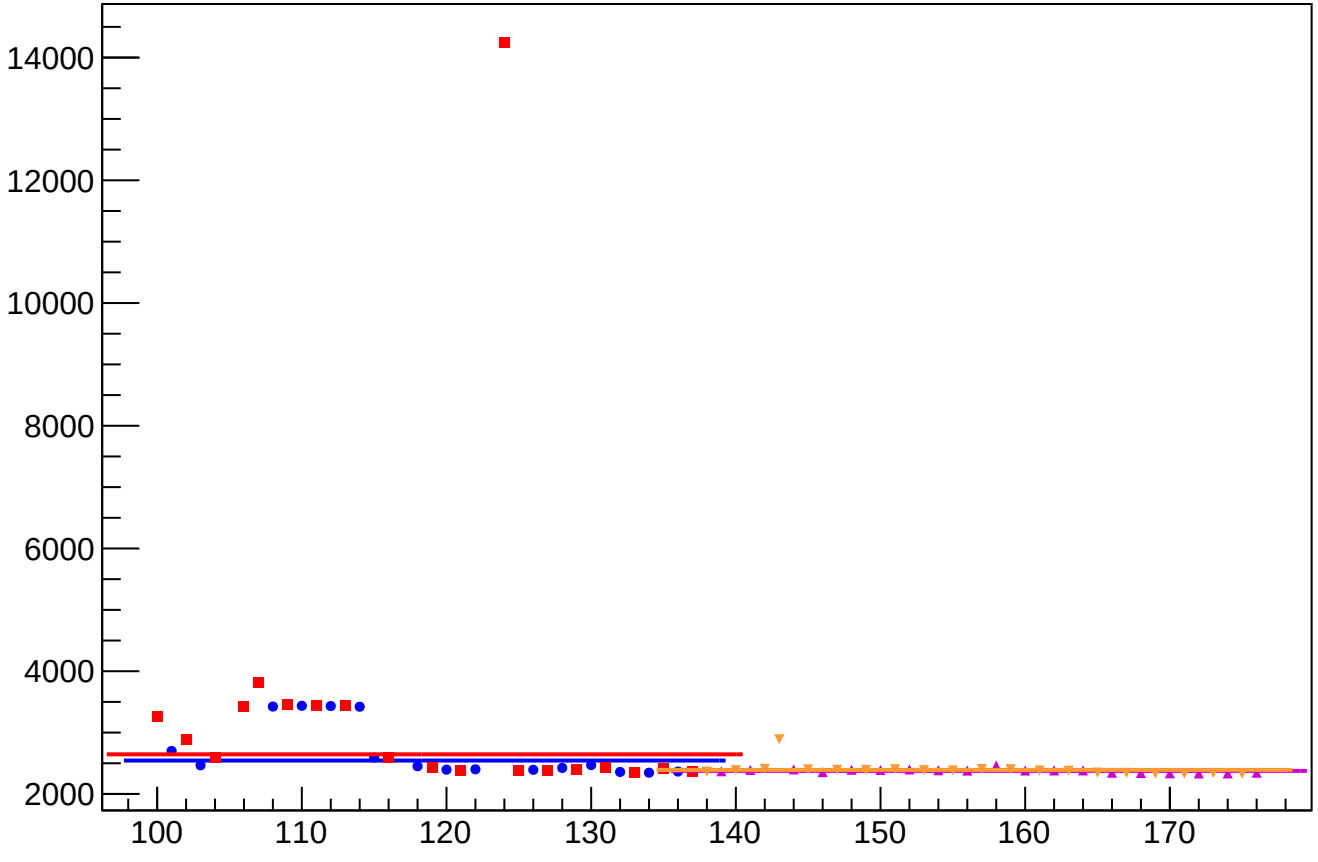
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1724.565+/-509.293 χ^2/NDF:34.9/34

Out: 1400.012+/-512.895 χ^2/NDF:41.8/38

All: 1563.432+/-361.391 χ^2/NDF: 76.9/73

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

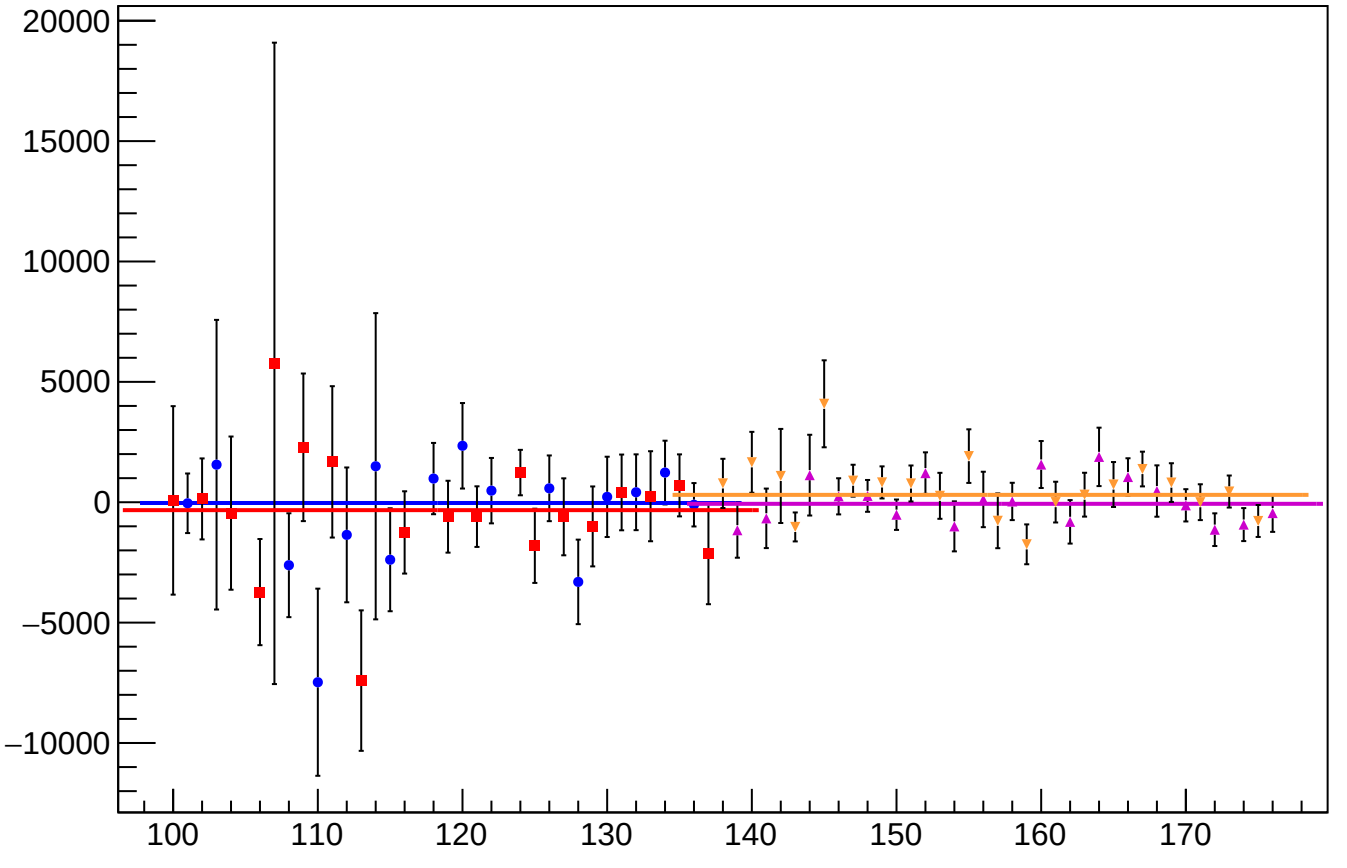
Left: 2383.728+/-0.301 χ^2/NDF: 60286.6/38

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2423.962+/-0.360 χ^2/NDF:275767.1/34

Out: 2460.509+/-0.363 χ^2/NDF:688090.7/38

All: 2442.107+/-0.256 χ^2/NDF: 968971.2/73



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 306.395+/-185.906 χ^2/NDF:27.6/19

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -65.674+/-193.608 χ^2/NDF:18.3/18

Left: 127.908+/-134.096 χ^2/NDF: 47.8/38

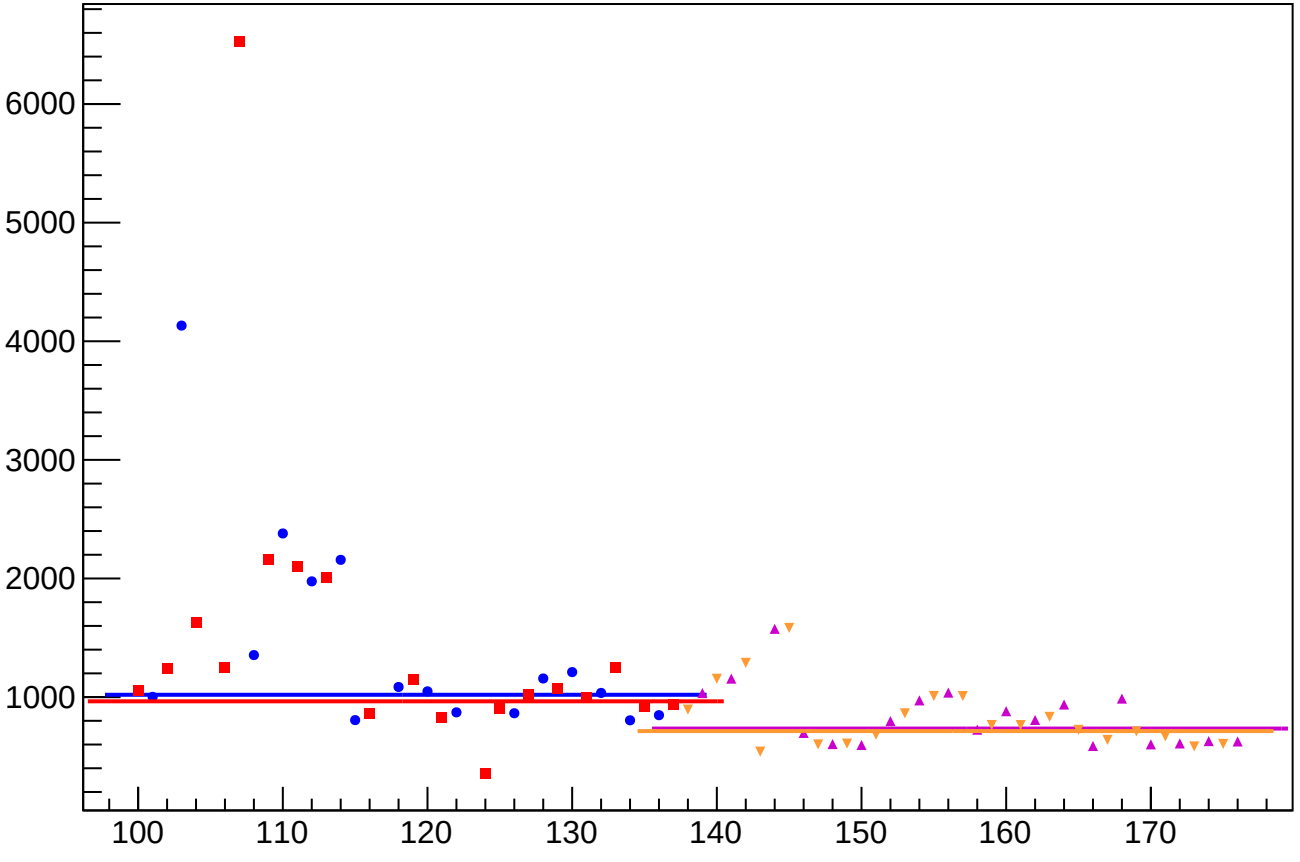
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -59.278+/-174.733 χ^2/NDF:32.1/34

Out: 192.952+/-168.480 χ^2/NDF:45.3/38

All: 71.431+/-121.284 χ^2/NDF: 78.5/73

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.605+/-0.131 χ^2/NDF:1752684.4/19

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 734.700+/-0.137 χ^2/NDF:1834627.7/18

Left: 723.725+/-0.095 χ^2/NDF: 3599665.0/38

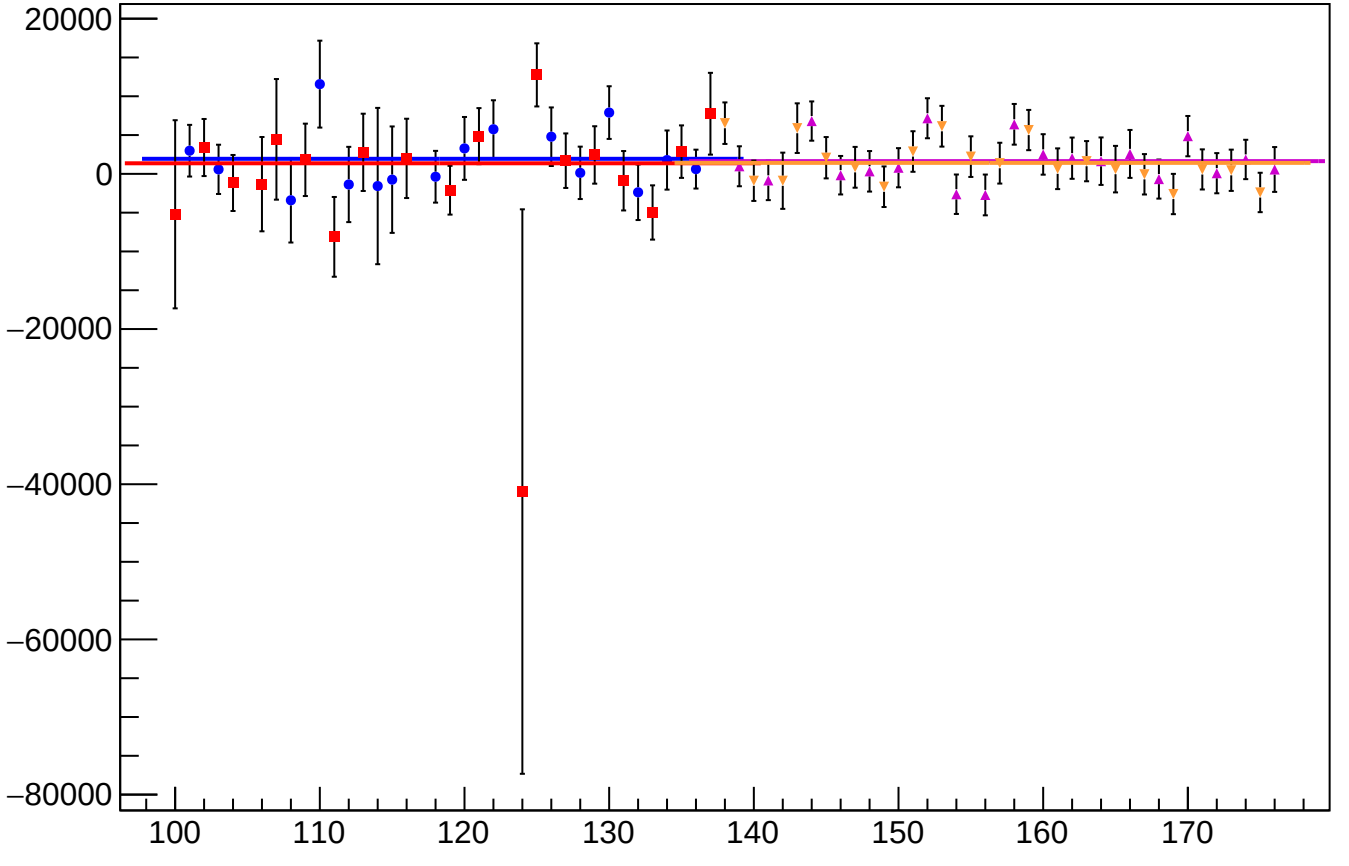
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 787.527+/-0.124 χ^2/NDF:4002195.0/34

Out: 758.415+/-0.119 χ^2/NDF:4712320.9/38

All: 772.441+/-0.086 χ^2/NDF: 8743285.2/73

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1638.538+/-602.671 χ^2/NDF:22.6/18

Left: 1527.559+/-425.467 χ^2/NDF: 42.6/38

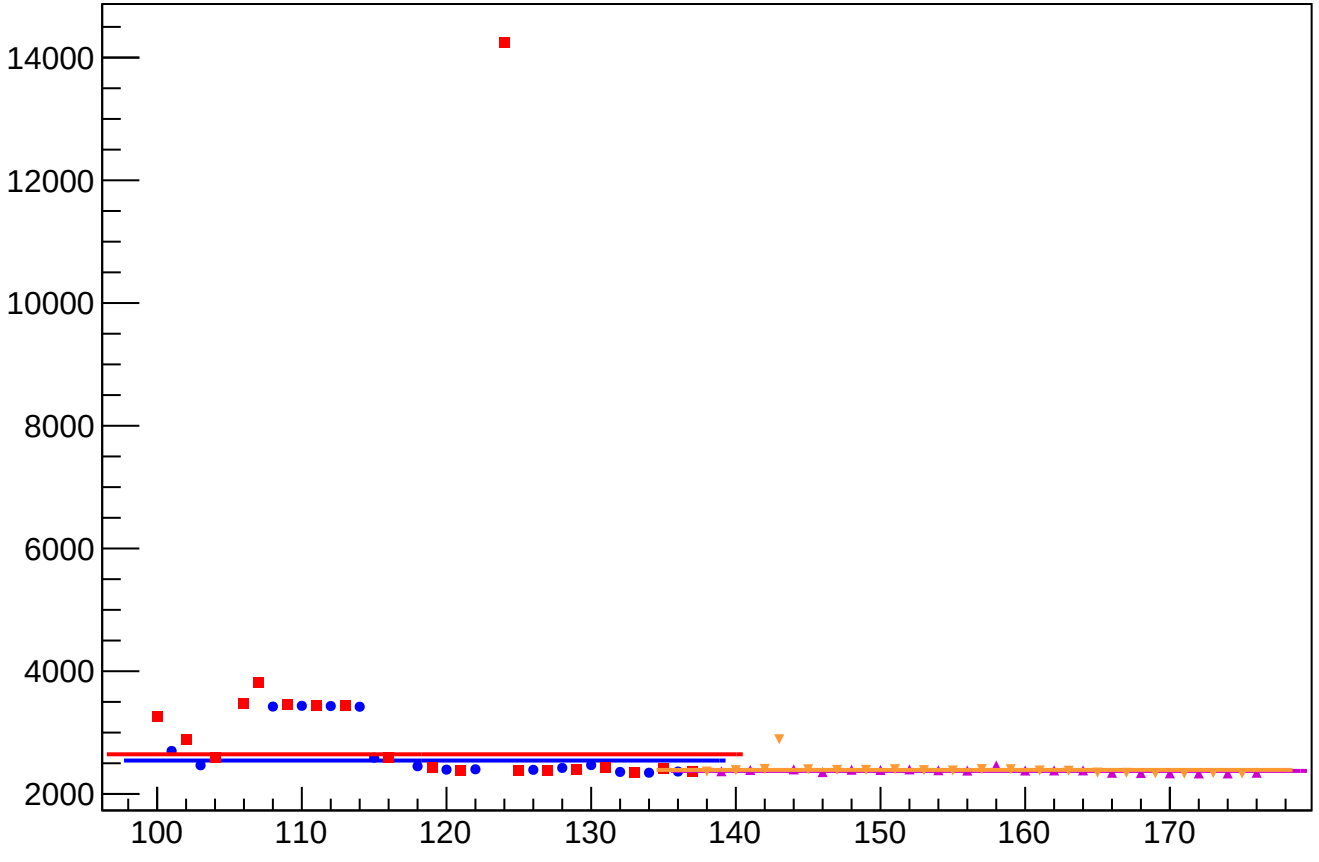
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1724.719+/-509.293 χ^2/NDF:34.9/34

Out: 1402.605+/-512.937 χ^2/NDF:41.7/38

All: 1564.810+/-361.406 χ^2/NDF: 76.8/73

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

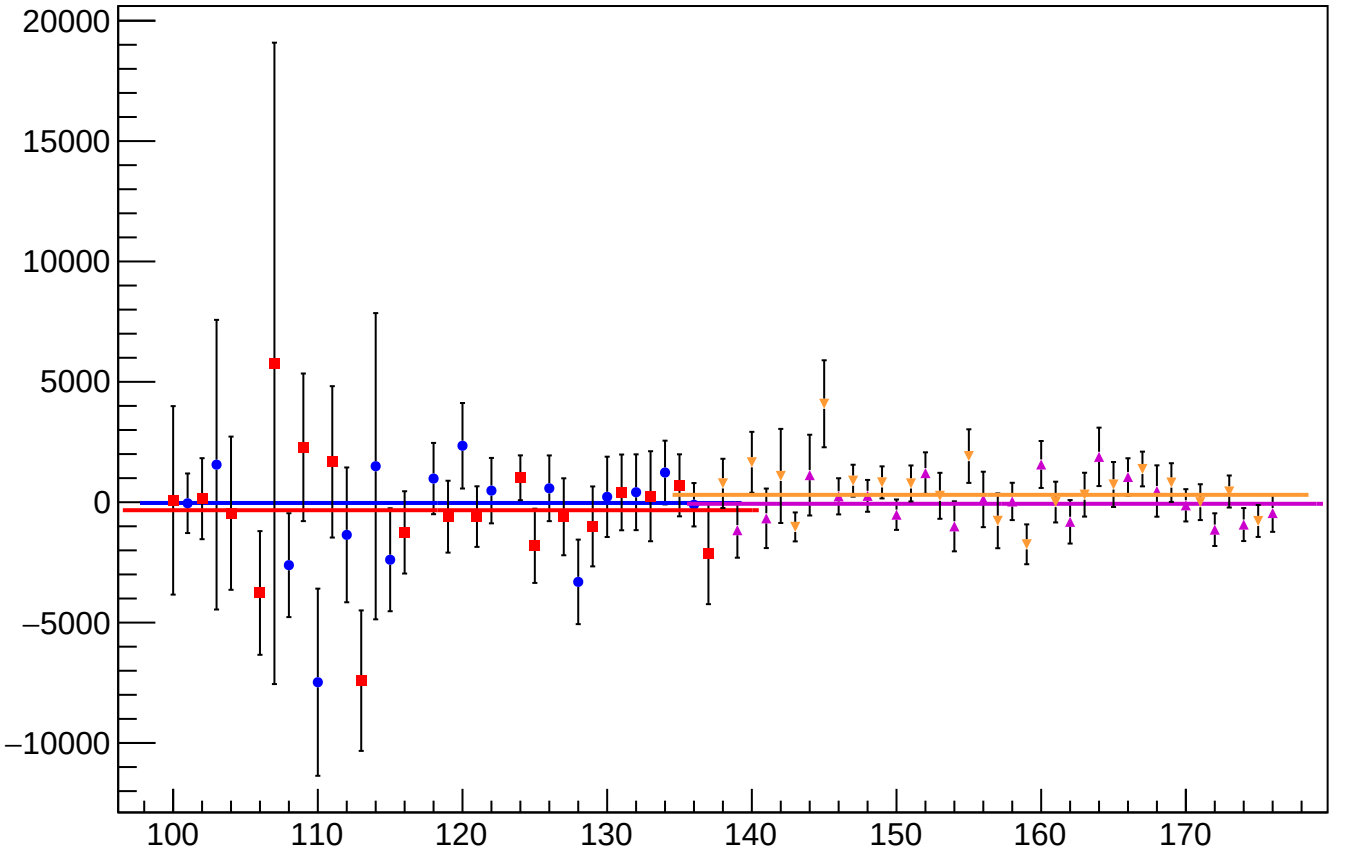
Left: 2383.728+/-0.301 χ^2/NDF: 60286.6/38

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2423.962+/-0.360 χ^2/NDF:275767.2/34

Out: 2460.629+/-0.363 χ^2/NDF:691054.0/38

All: 2442.165+/-0.256 χ^2/NDF: 971967.6/73



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -65.559+/-193.608 χ^2/NDF:18.3/18

Left: 127.955+/-134.096 χ^2/NDF: 47.8/38

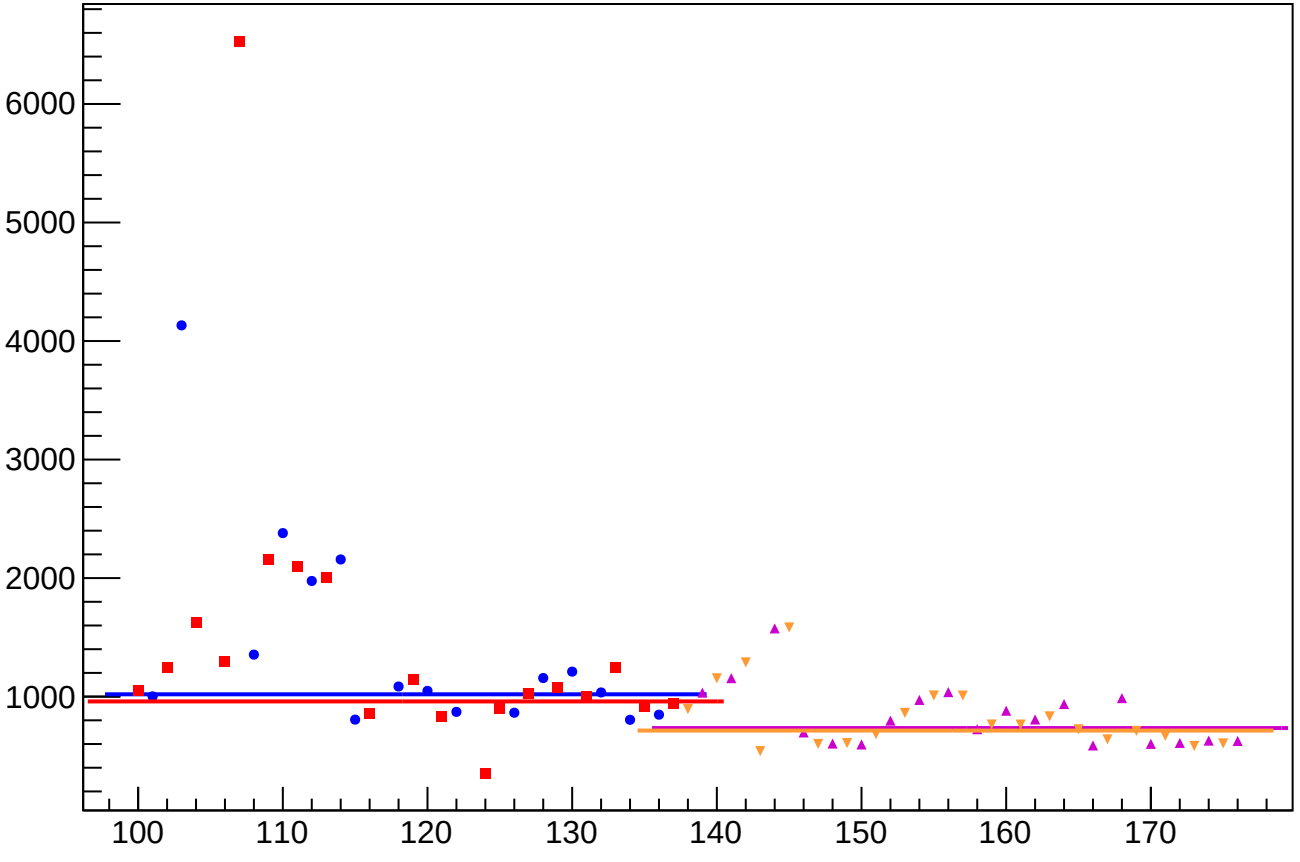
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -59.196+/-174.733 χ^2/NDF:32.1/34

Out: 192.675+/-168.538 χ^2/NDF:44.1/38

All: 71.284+/-121.305 χ^2/NDF: 77.3/73

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

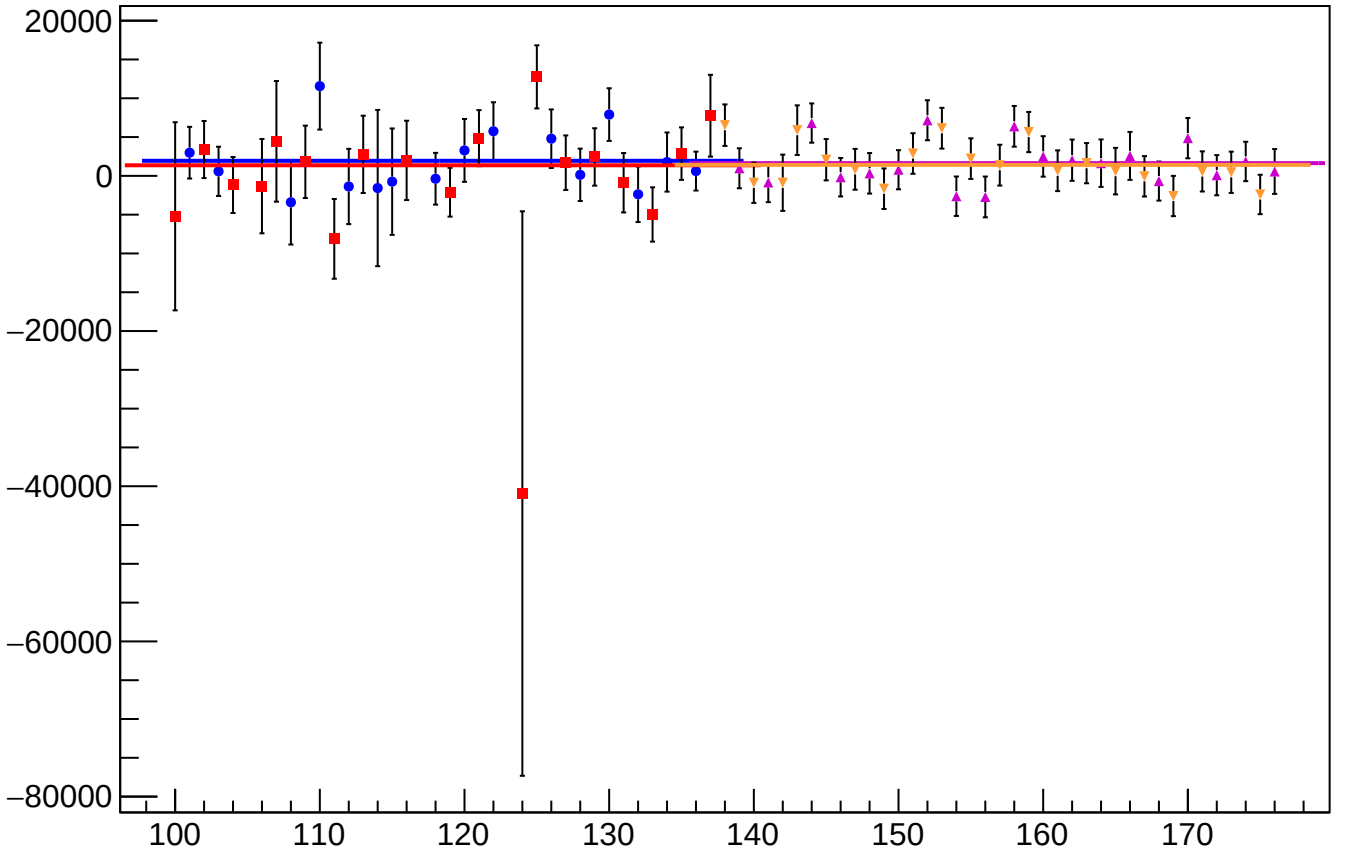
Left: 723.726+/-0.095 χ^2/NDF: 3599890.6/38

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 787.527+/-0.124 χ^2/NDF:4002278.3/34

Out: 757.378+/-0.119 χ^2/NDF:4719664.0/38

All: 771.909+/-0.086 χ^2/NDF: 8752788.5/73



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1417.291+/-600.737 χ^2/NDF:20.0/19

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1638.538+/-602.671 χ^2/NDF:22.6/18

Left: 1527.559+/-425.467 χ^2/NDF: 42.6/38

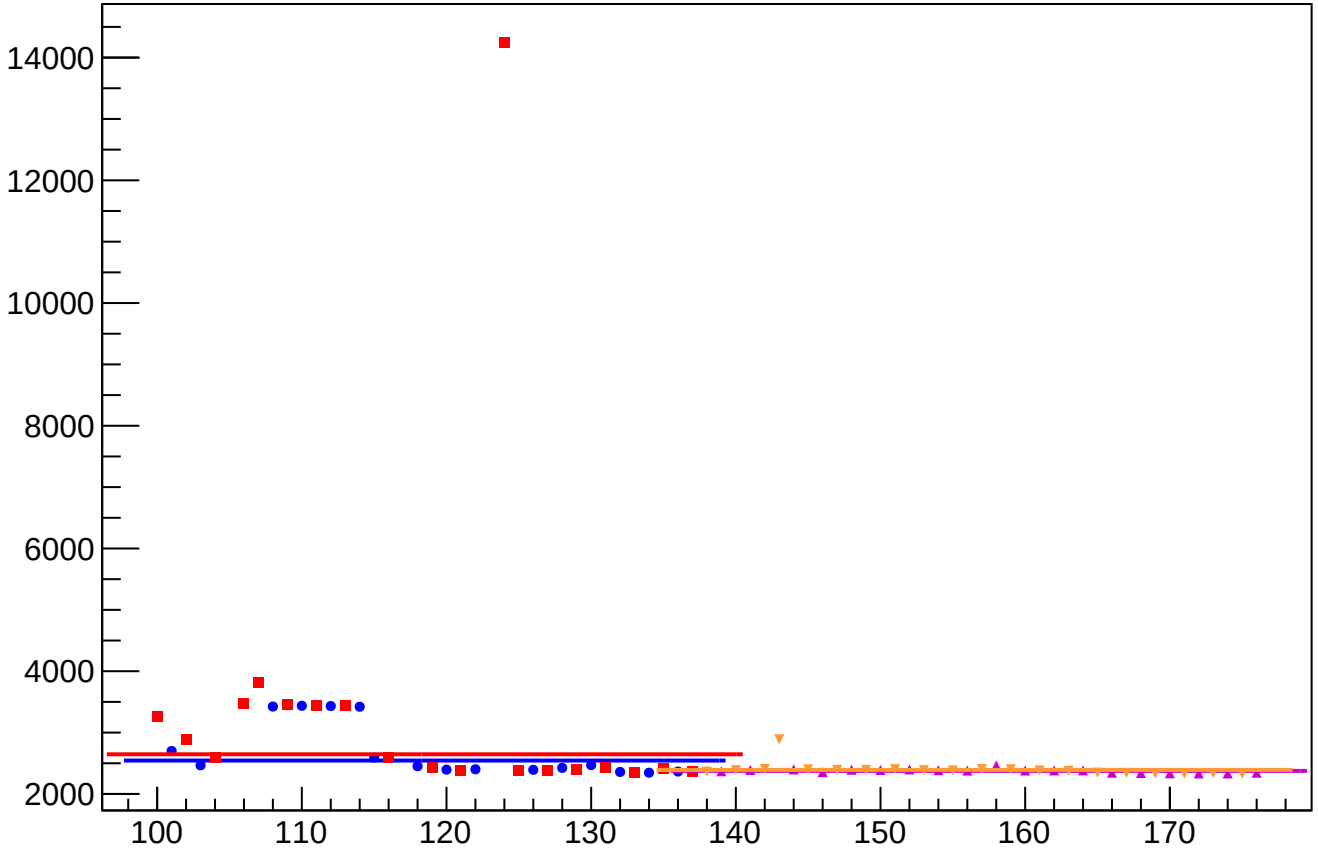
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1724.719+/-509.293 χ^2/NDF:34.9/34

Out: 1402.605+/-512.937 χ^2/NDF:41.7/38

All: 1564.810+/-361.406 χ^2/NDF: 76.8/73

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2391.662+/-0.425 χ^2/NDF:54218.5/19

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

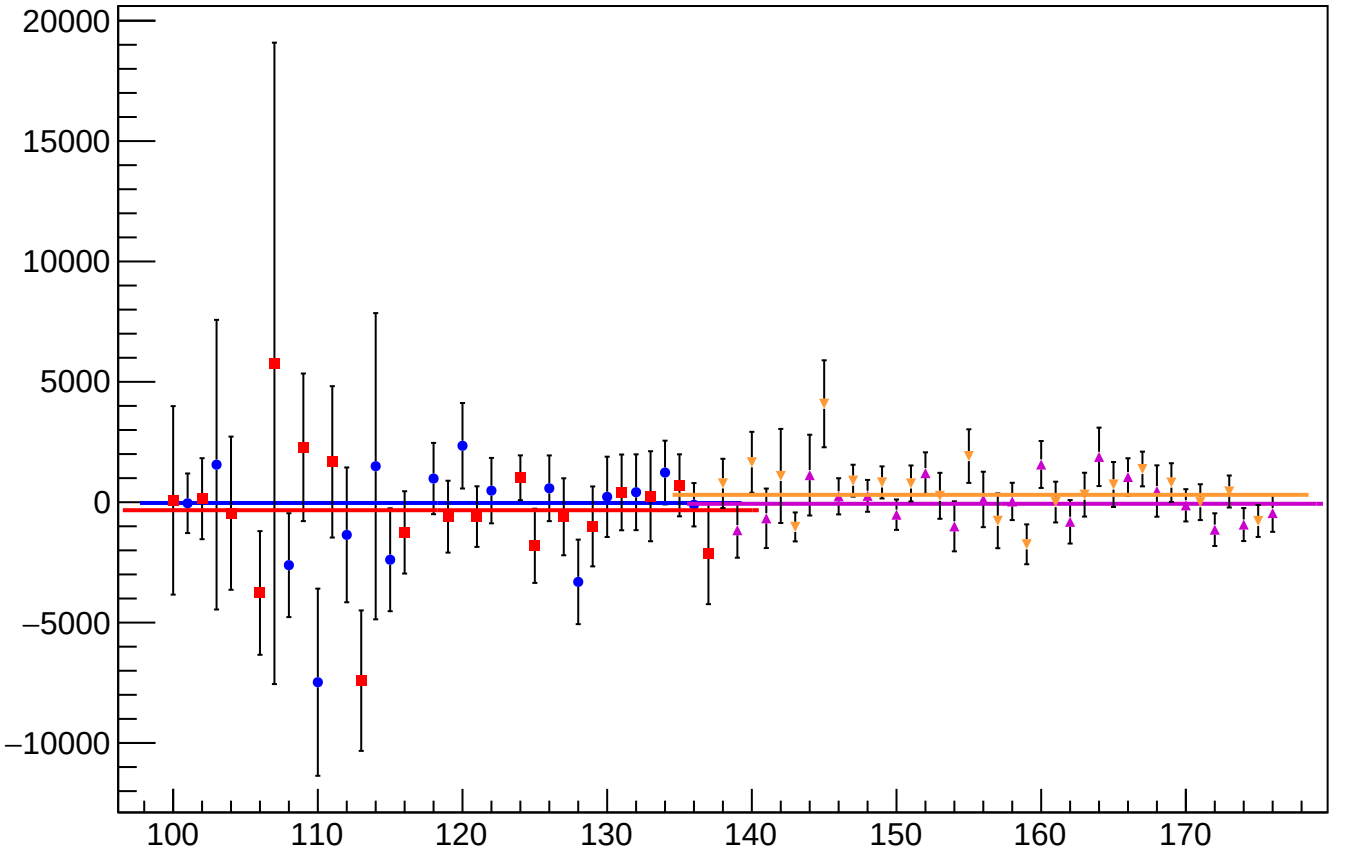
Left: 2383.728+/-0.301 χ^2/NDF: 60286.6/38

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2423.962+/-0.360 χ^2/NDF:275767.2/34

Out: 2460.629+/-0.363 χ^2/NDF:691054.0/38

All: 2442.165+/-0.256 χ^2/NDF: 971967.6/73



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 306.379+/-185.907 χ^2/NDF:27.6/19

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -65.559+/-193.608 χ^2/NDF:18.3/18

Left: 127.955+/-134.096 χ^2/NDF: 47.8/38

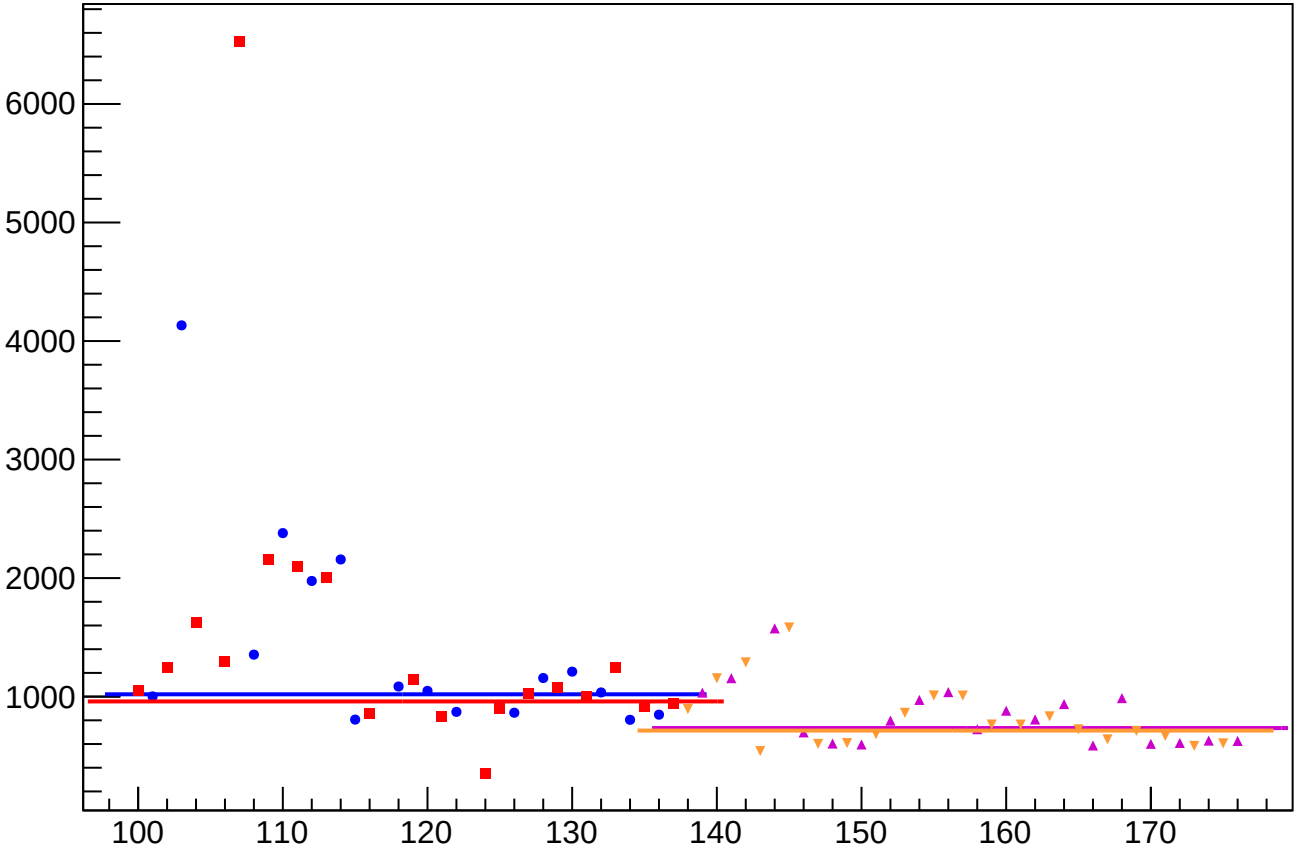
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -59.196+/-174.733 χ^2/NDF:32.1/34

Out: 192.675+/-168.538 χ^2/NDF:44.1/38

All: 71.284+/-121.305 χ^2/NDF: 77.3/73

asym_atl1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.606+/-0.131 χ^2/NDF:1752774.4/19

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

Left: 723.726+/-0.095 χ^2/NDF: 3599890.6/38

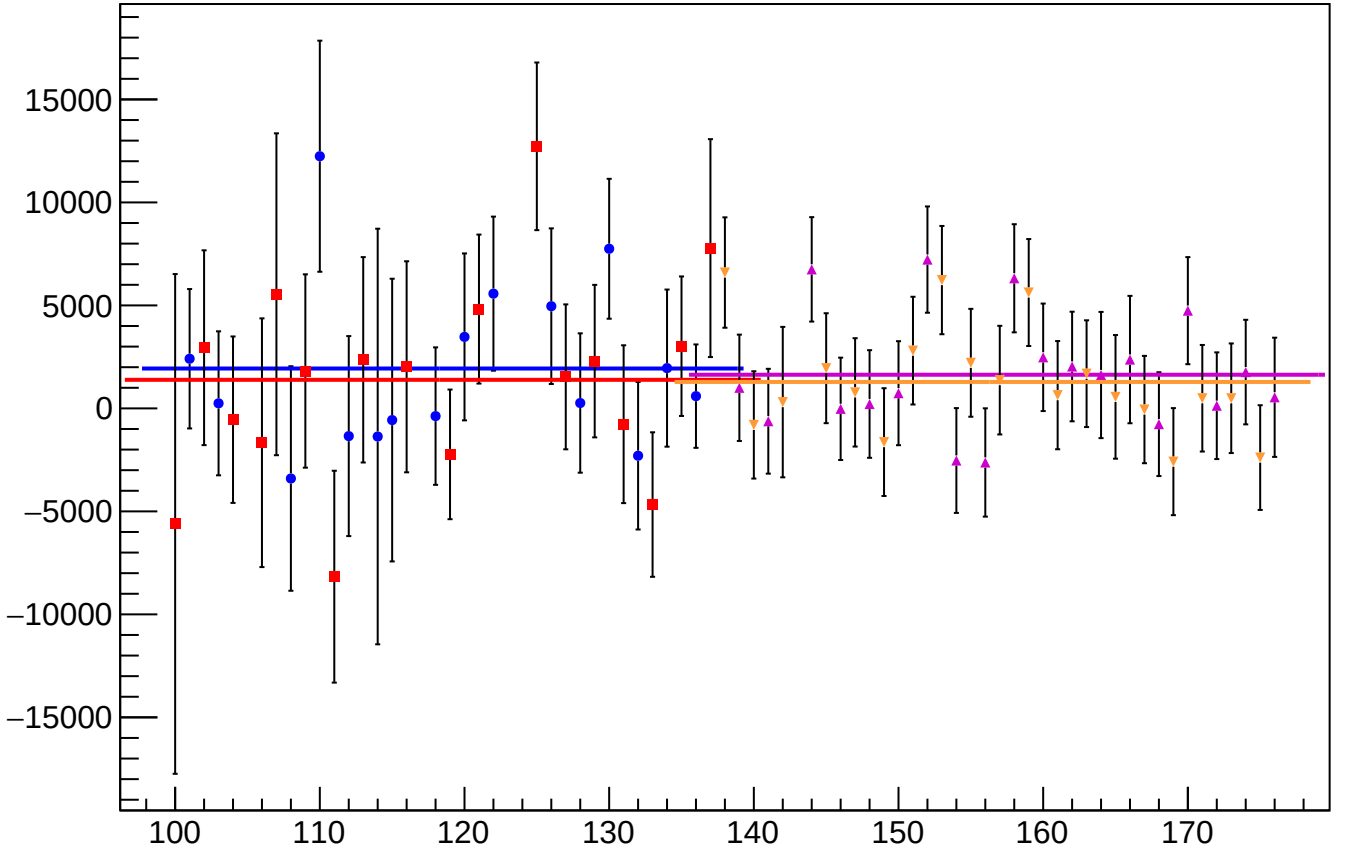
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 787.527+/-0.124 χ^2/NDF:4002278.3/34

Out: 757.378+/-0.119 χ^2/NDF:4719664.0/38

All: 771.909+/-0.086 χ^2/NDF: 8752788.5/73

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1633.979+/-603.205 χ^2/NDF:22.0/18

Left: 1461.781+/-429.713 χ^2/NDF: 39.8/37

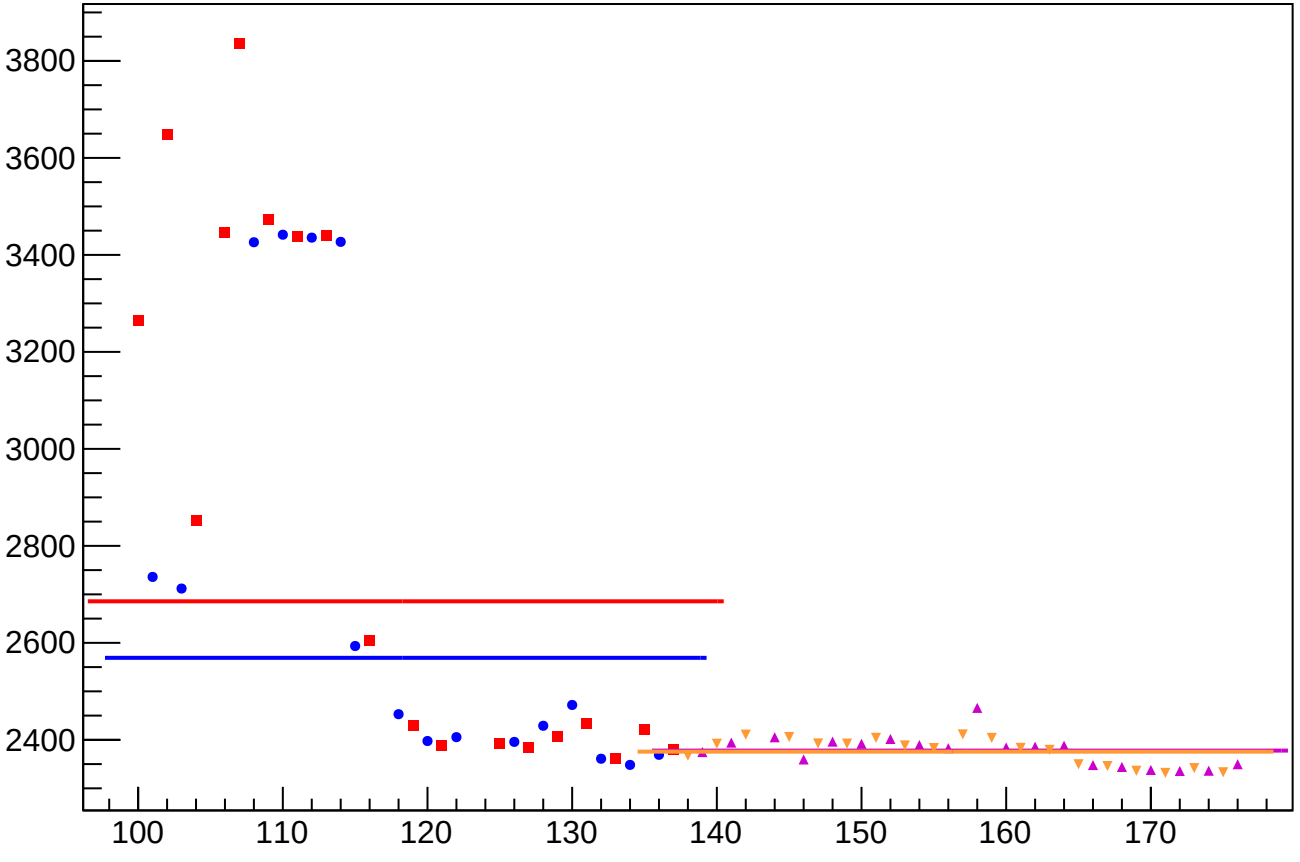
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1719.170+/-511.098 χ^2/NDF:34.4/34

Out: 1312.118+/-523.477 χ^2/NDF:37.5/36

All: 1520.514+/-365.699 χ^2/NDF: 72.2/71

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

Left: 2376.770+/-0.304 χ^2/NDF: 9355.3/37

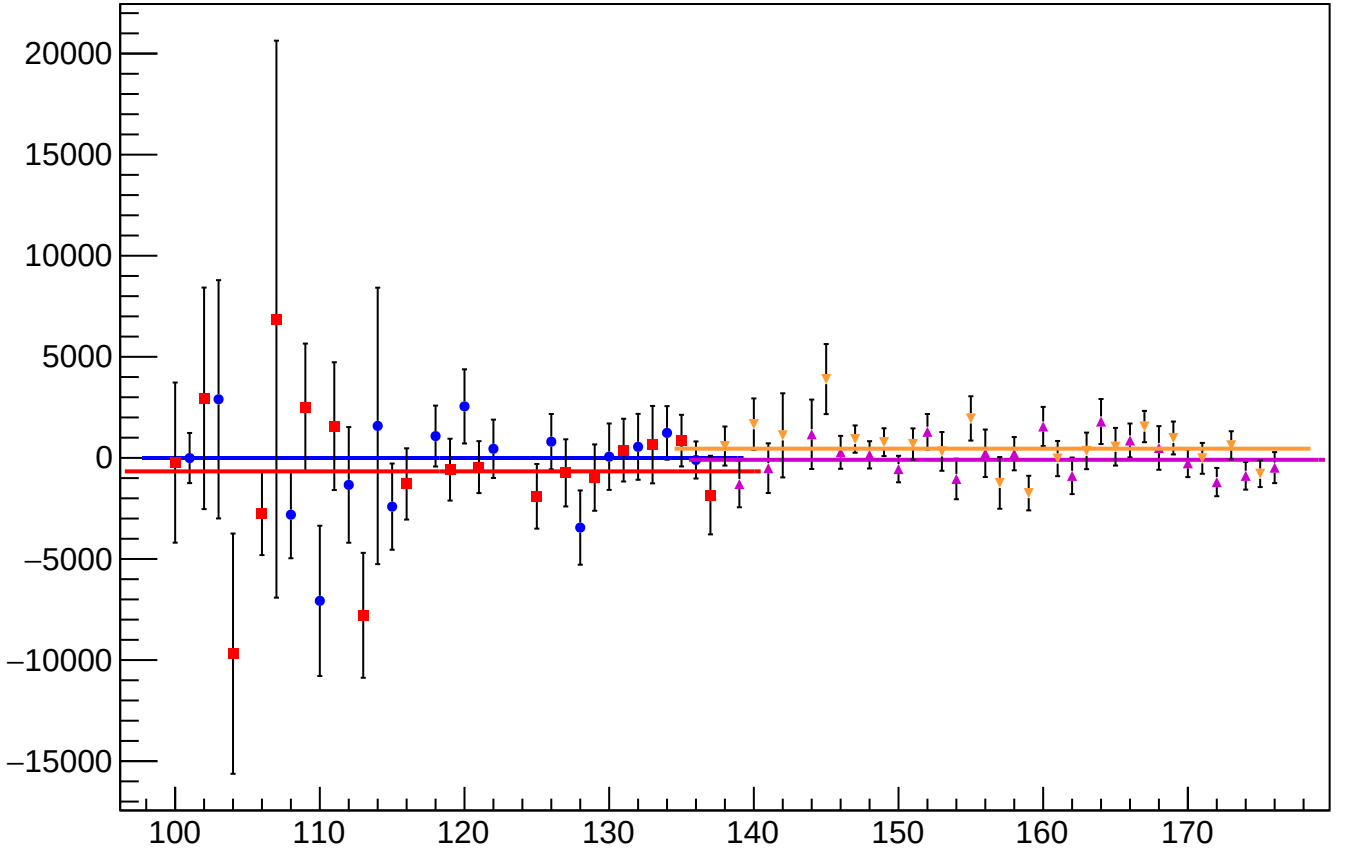
Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2431.797+/-0.361 χ^2/NDF:291609.3/34

Out: 2459.093+/-0.370 χ^2/NDF:561181.3/36

All: 2445.118+/-0.259 χ^2/NDF: 855574.8/71

asym_atl1_dit_correction_mean vs Slug, Sign Corrected



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -93.525+/-197.359 χ^2/NDF:18.5/18

Left: 178.288+/-140.377 χ^2/NDF: 45.0/37

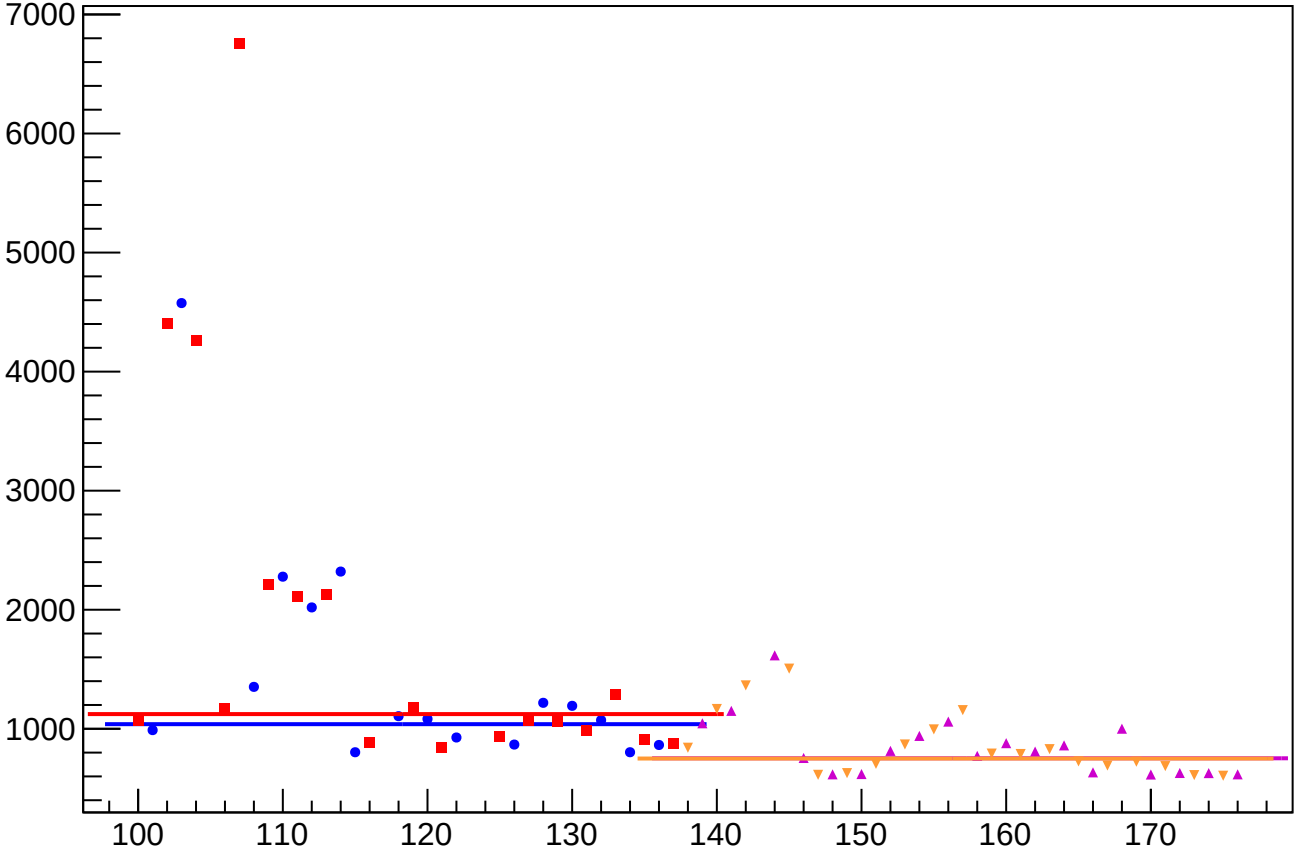
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -77.050+/-178.011 χ^2/NDF:33.0/34

Out: 278.913+/-183.221 χ^2/NDF:42.1/36

All: 95.799+/-127.675 χ^2/NDF: 77.0/71

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 750.211+/-0.141 χ^2/NDF:1497424.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 752.253+/-0.140 χ^2/NDF:1705168.4/18

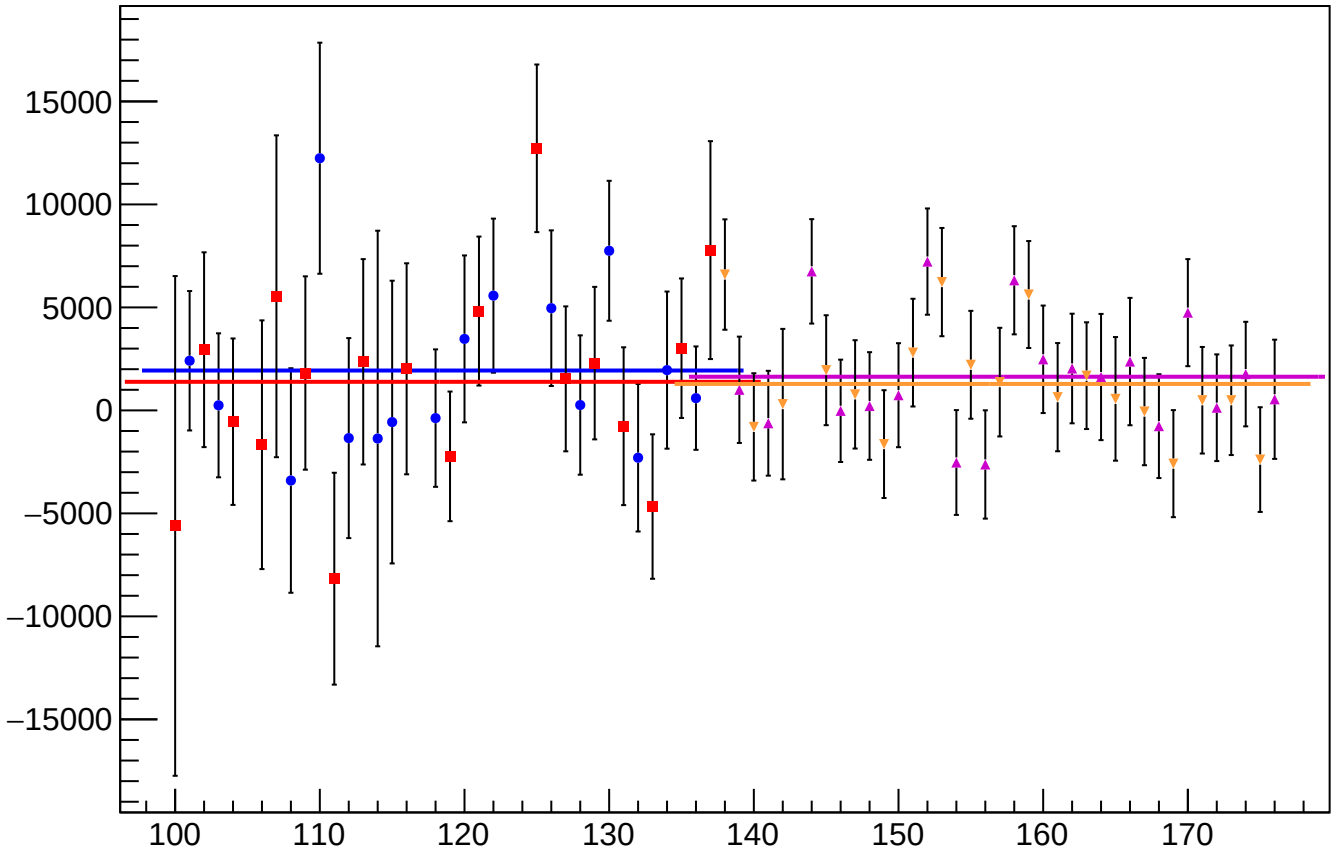
Left: 751.244+/-0.099 χ^2/NDF: 3202698.7/37

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 805.682+/-0.126 χ^2/NDF:4031027.8/34

Out: 809.297+/-0.130 χ^2/NDF:5138888.1/36

All: 807.438+/-0.090 χ^2/NDF: 9170316.4/71



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1284.346+/-612.308 χ^2/NDF:17.7/18

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1633.979+/-603.205 χ^2/NDF:22.0/18

Left: 1461.781+/-429.713 χ^2/NDF: 39.8/37

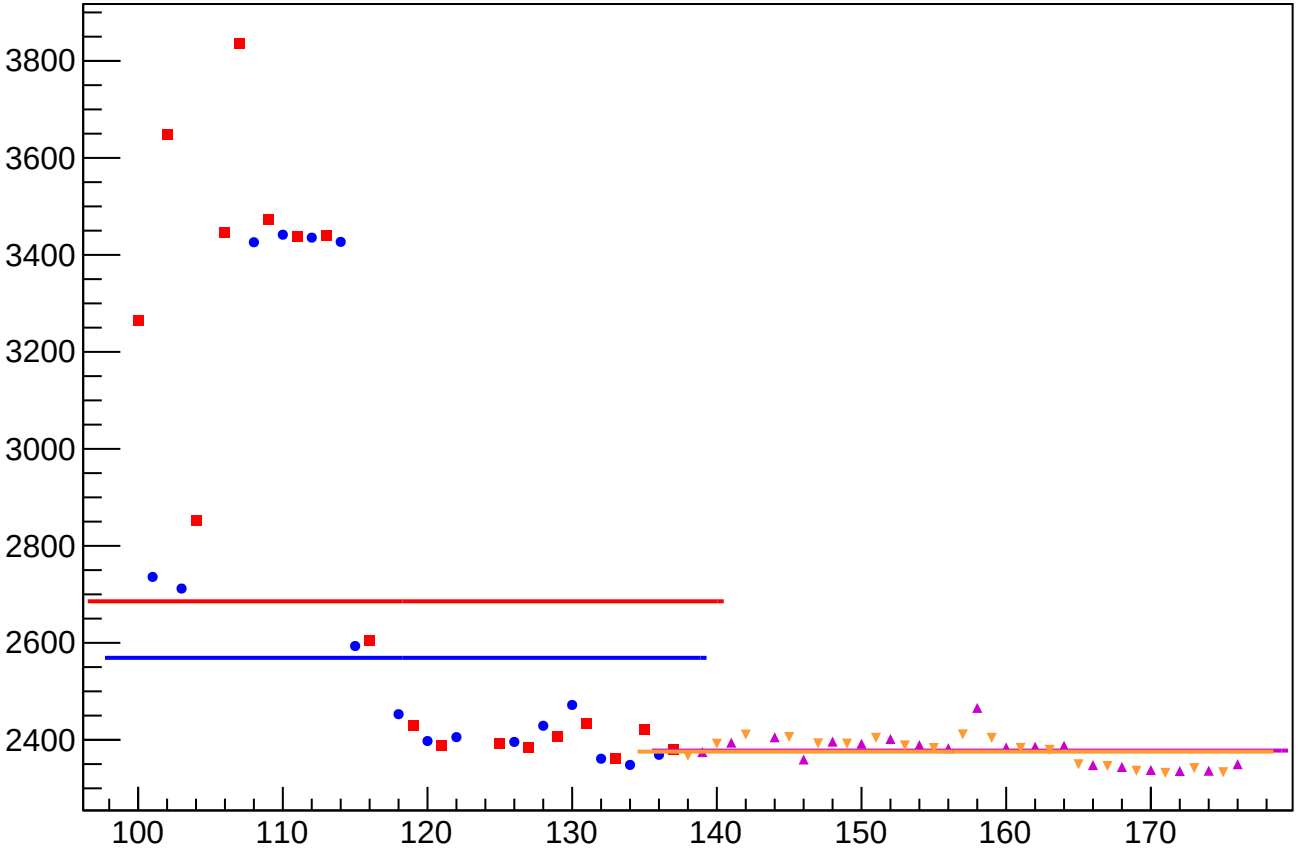
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1719.169+/-511.098 χ^2/NDF:34.4/34

Out: 1312.118+/-523.477 χ^2/NDF:37.5/36

All: 1520.513+/-365.699 χ^2/NDF: 72.2/71

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2375.669+/-0.433 χ^2/NDF:3957.4/18

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

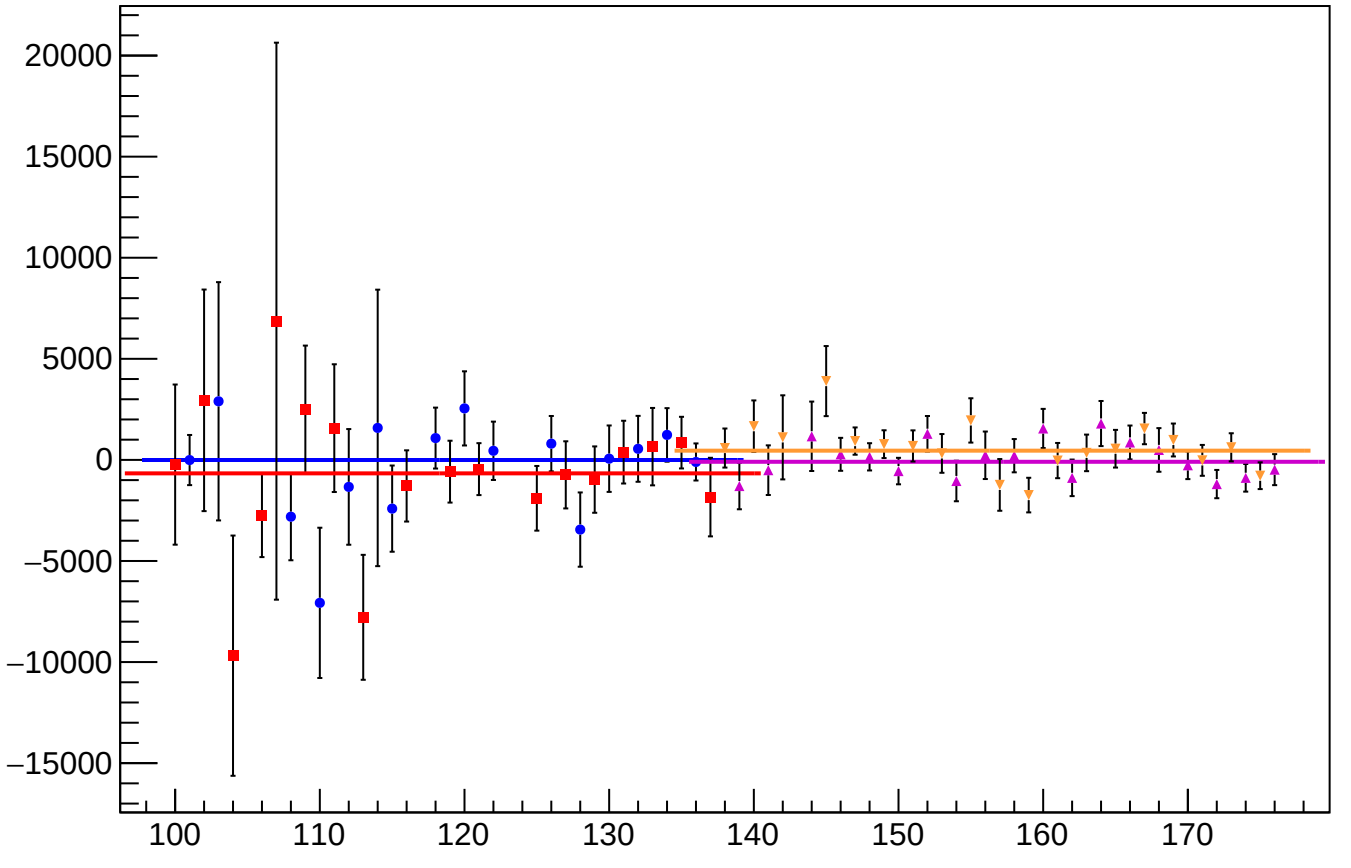
Left: 2376.770+/-0.304 χ^2/NDF: 9355.3/37

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2431.796+/-0.361 χ^2/NDF:291608.9/34

Out: 2459.093+/-0.370 χ^2/NDF:561180.3/36

All: 2445.118+/-0.259 χ^2/NDF: 855573.4/71



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 456.609+/-199.708 χ^2/NDF:22.7/18

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -93.524+/-197.359 χ^2/NDF:18.5/18

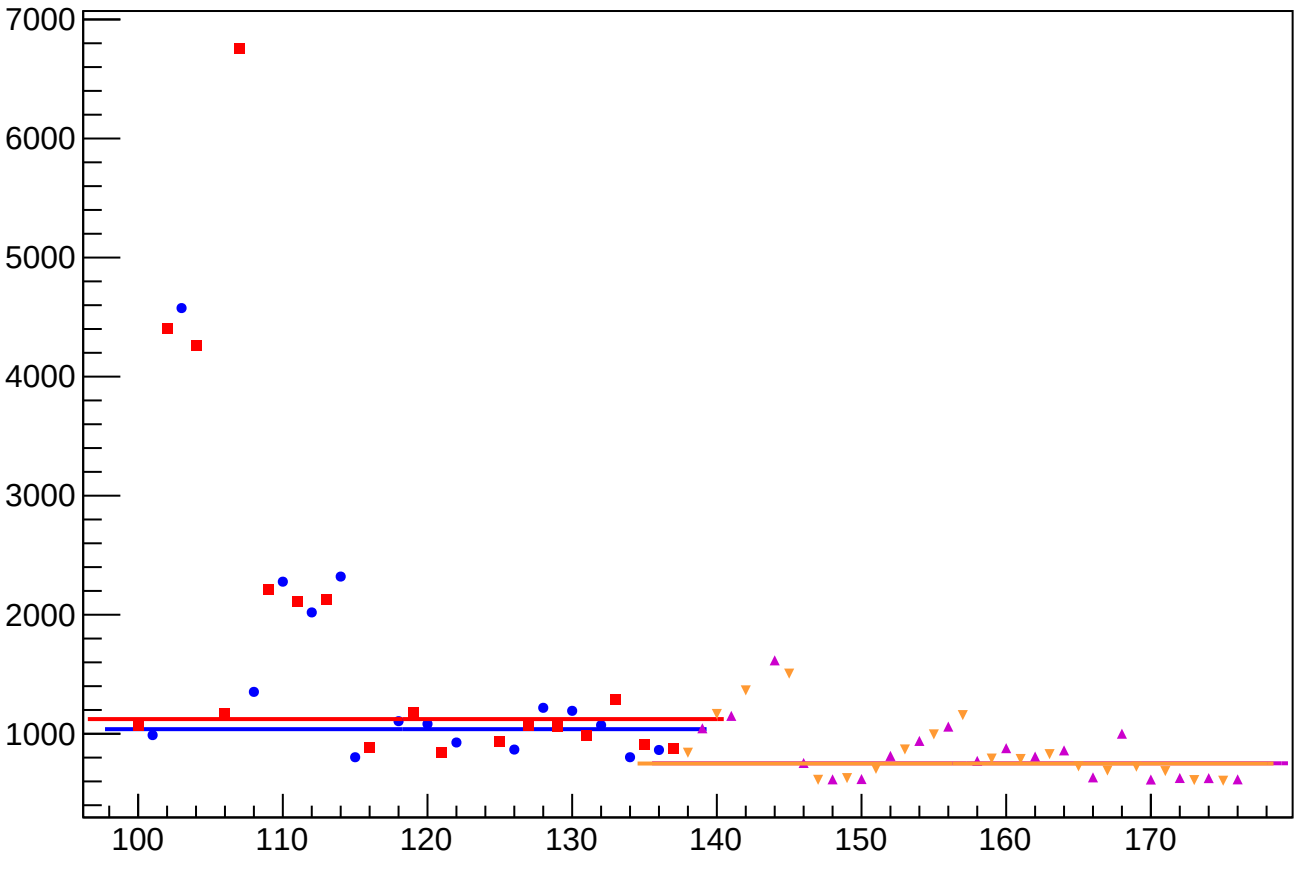
Left: 178.288+/-140.377 χ^2/NDF: 45.0/37

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -77.050+/-178.011 χ^2/NDF:33.0/34

Out: 278.912+/-183.221 χ^2/NDF:42.1/36

All: 95.798+/-127.675 χ^2/NDF: 77.0/71



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 750.213+/-0.141 χ^2/NDF:1497422.5/18

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 752.255+/-0.140 χ^2/NDF:1705164.8/18

Left: 751.246+/-0.099 χ^2/NDF: 3202693.1/37

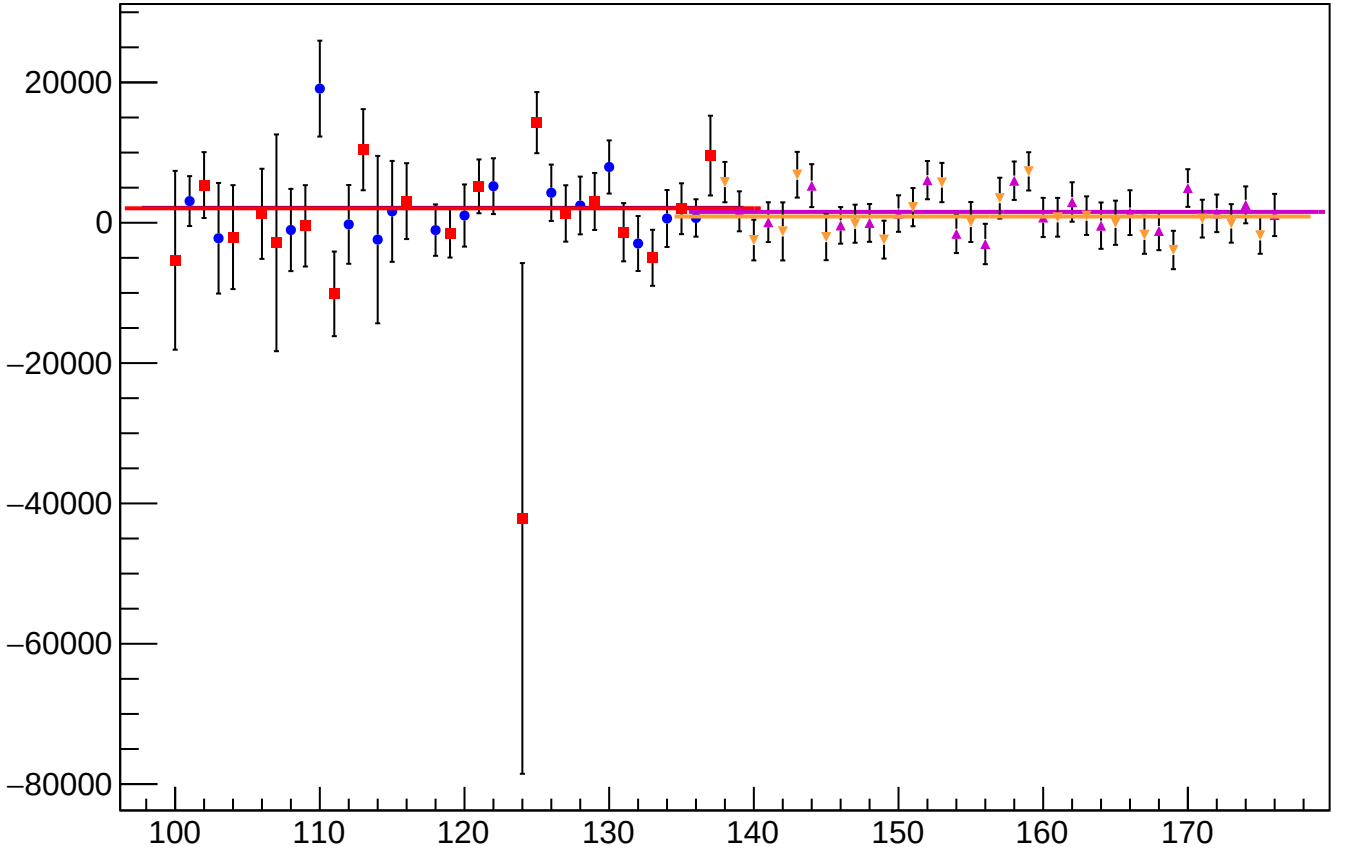
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 805.684+/-0.126 χ^2/NDF:4031012.2/34

Out: 809.298+/-0.130 χ^2/NDF:5138875.4/36

All: 807.439+/-0.090 χ^2/NDF: 9170288.0/71

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 892.347+/-639.616 χ^2/NDF:25.2/19

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1547.128+/-643.220 χ^2/NDF:15.3/18

Left: 1217.897+/-453.546 χ^2/NDF: 41.0/38

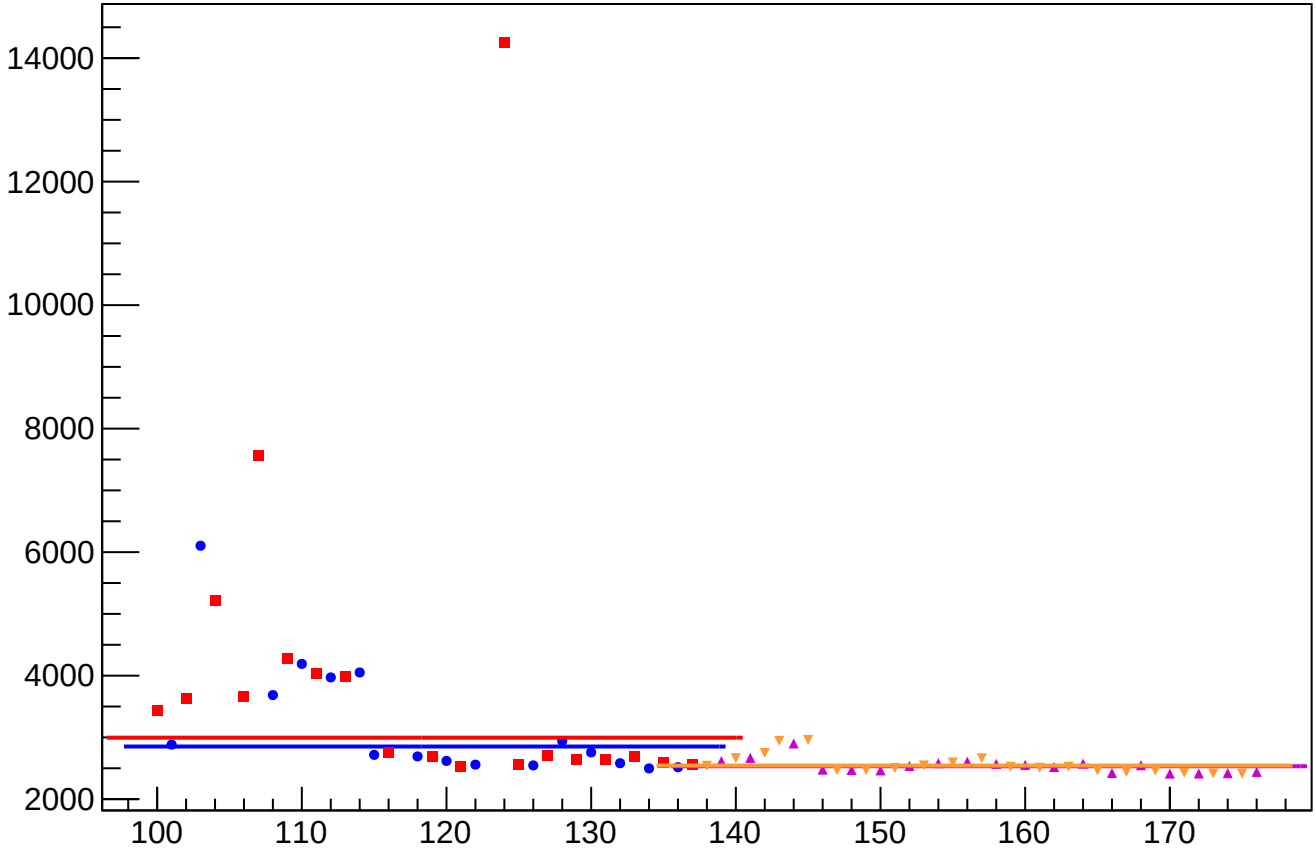
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1696.684+/-553.260 χ^2/NDF:28.9/34

Out: 1173.045+/-557.440 χ^2/NDF:50.3/38

All: 1436.835+/-392.683 χ^2/NDF: 79.6/73

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2544.105+/-0.452 χ^2/NDF:97224.4/19

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2532.942+/-0.455 χ^2/NDF:57163.0/18

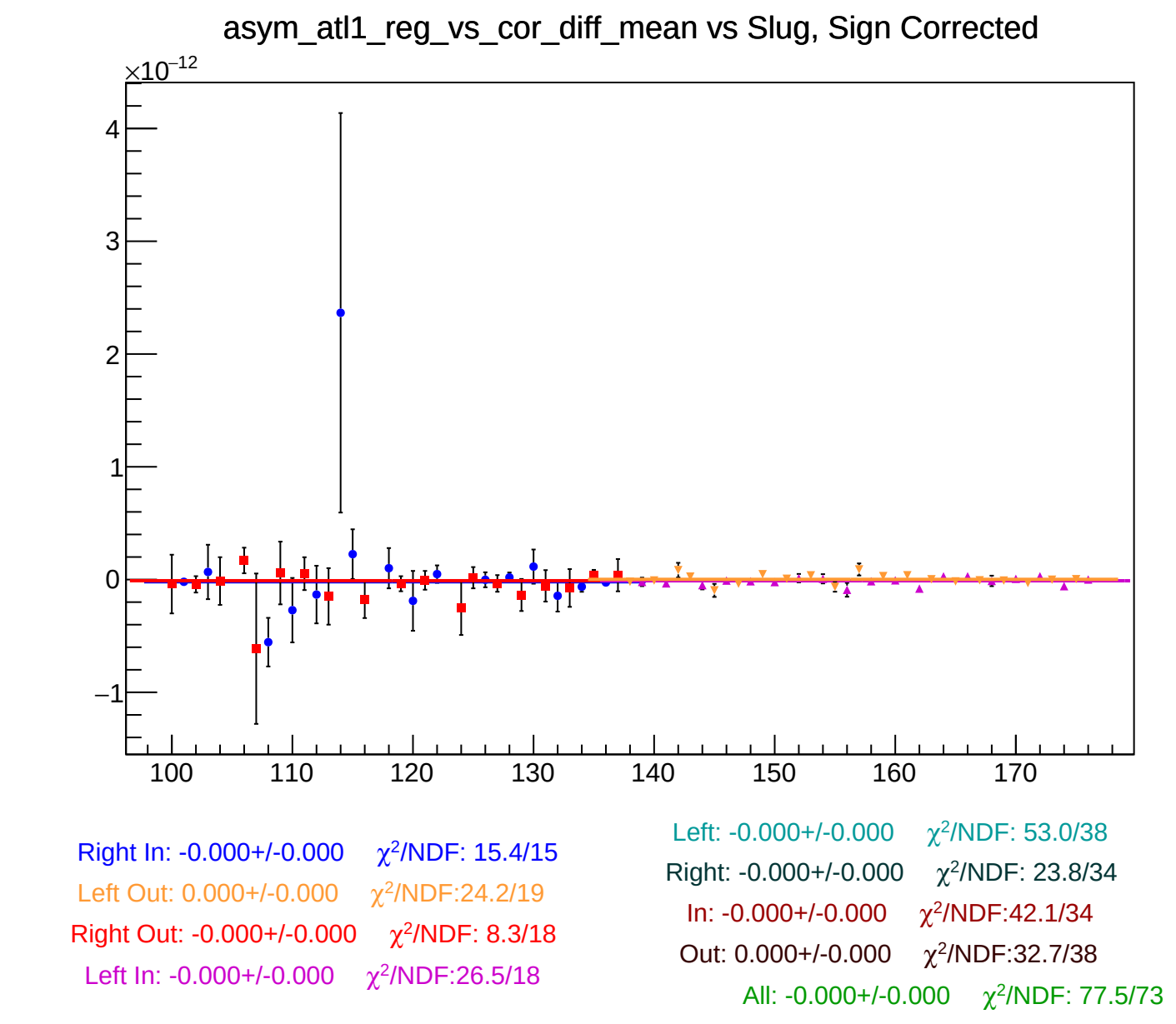
Left: 2538.555+/-0.321 χ^2/NDF: 154690.2/38

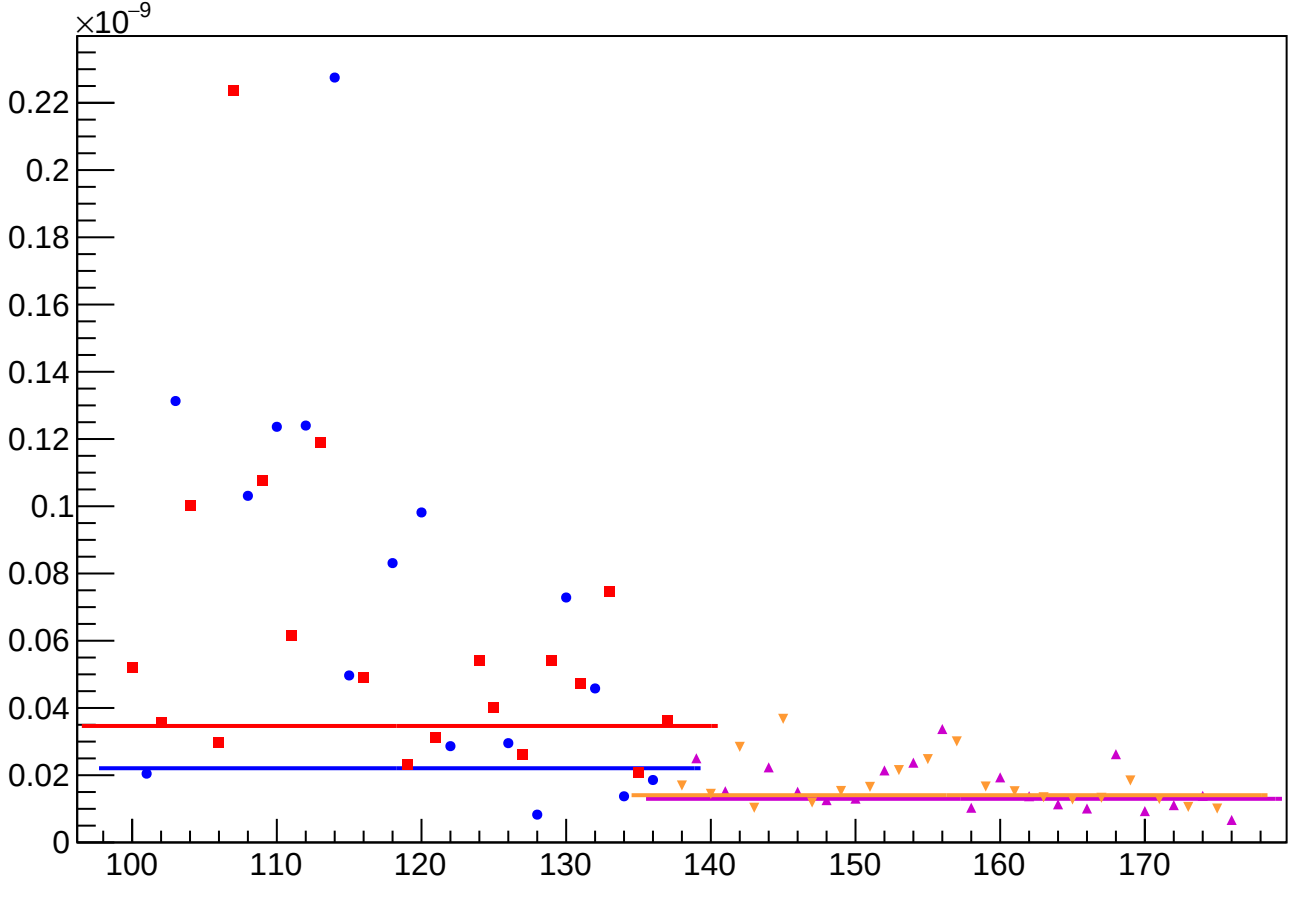
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2616.001+/-0.391 χ^2/NDF:834066.5/34

Out: 2652.648+/-0.394 χ^2/NDF:1315932.0/38

All: 2634.187+/-0.278 χ^2/NDF: 2154353.0/73


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:24.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:26.5/18
Left: -0.000+/-0.000 χ²/NDF: 53.0/38
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:42.1/34
Out: 0.000+/-0.000 χ²/NDF:32.7/38
All: -0.000+/-0.000 χ²/NDF: 77.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1199533.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1536034.3/18

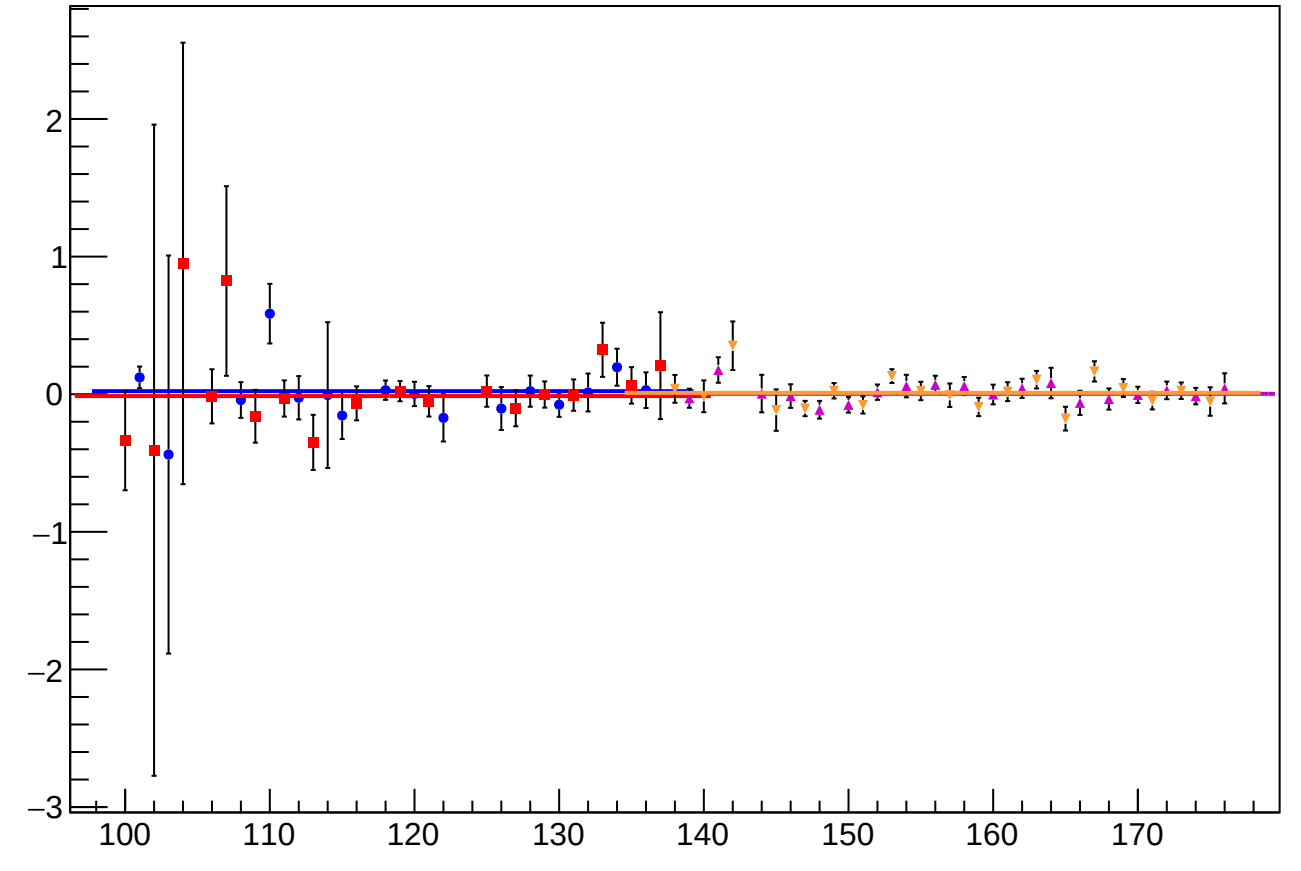
Left: 0.000+/-0.000 χ^2/NDF: 2769339.5/38

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:4383658.4/34

Out: 0.000+/-0.000 χ^2/NDF:3787741.0/38

All: 0.000+/-0.000 χ^2/NDF: 8217666.3/73



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

Left: 0.006+/-0.012 χ^2/NDF: 45.5/37

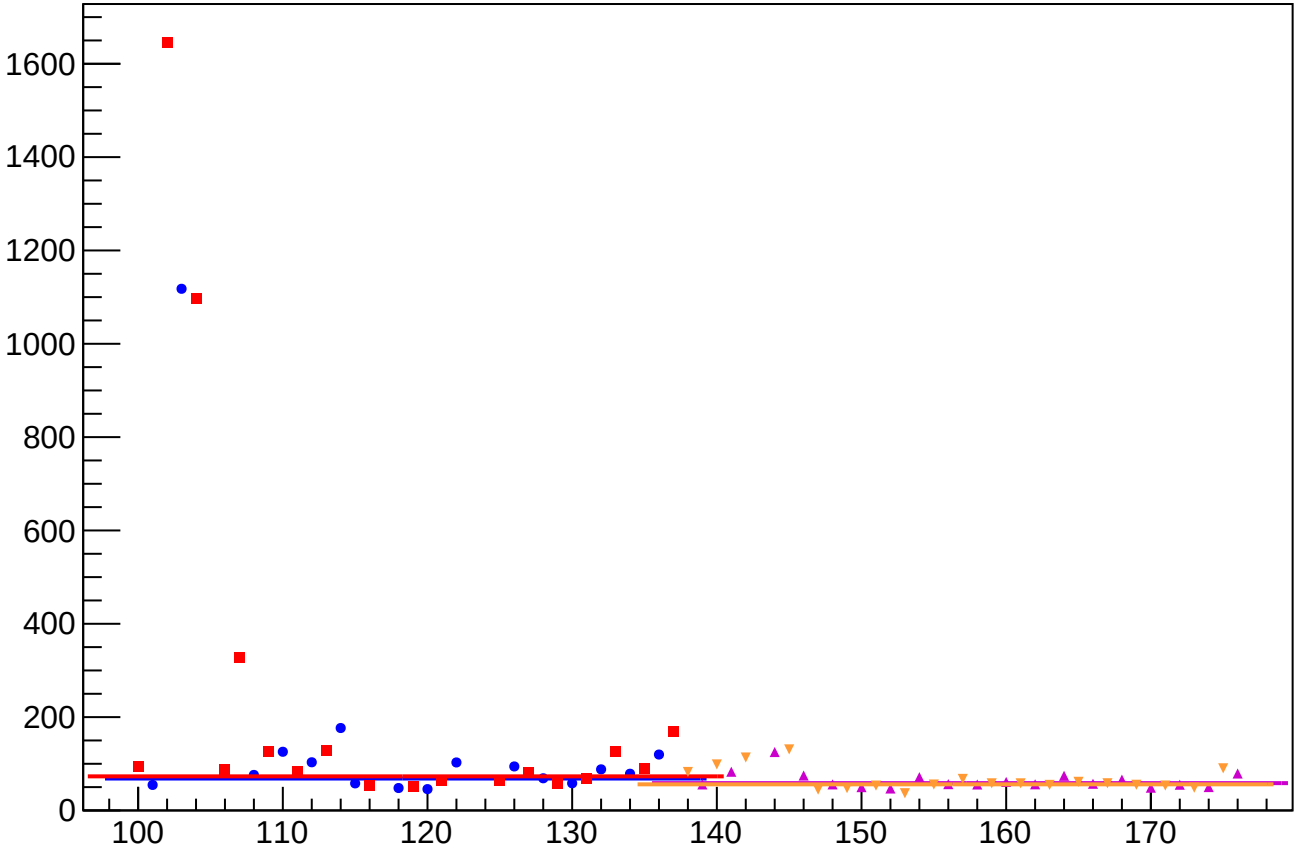
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.7/71

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: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

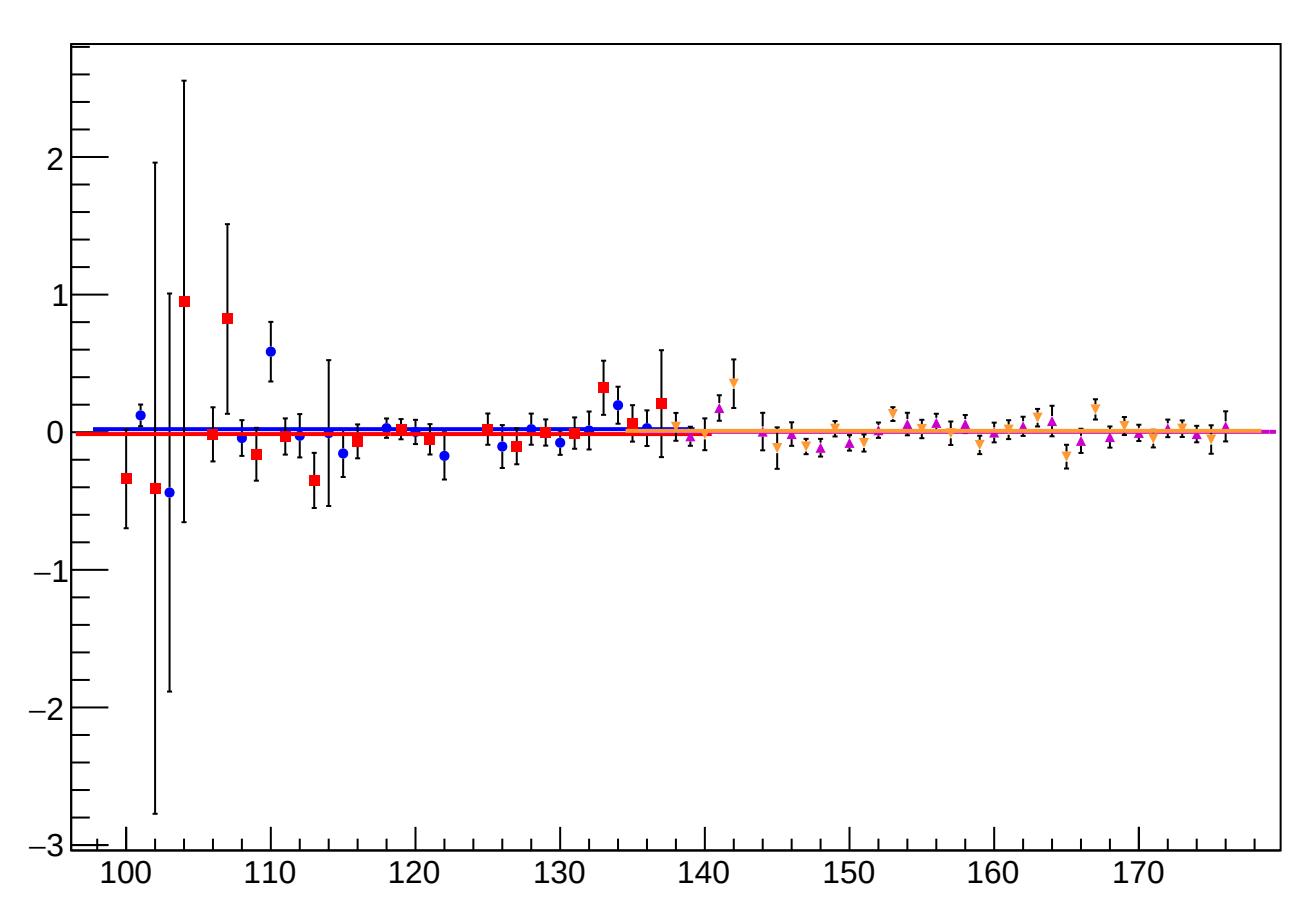
Left: 57.248+/-0.008 χ^2/NDF: 2979549.9/37

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.828+/-0.010 χ^2/NDF:3560754.0/34

Out: 59.254+/-0.010 χ^2/NDF:5172146.3/36

All: 60.051+/-0.007 χ^2/NDF: 8744573.0/71



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

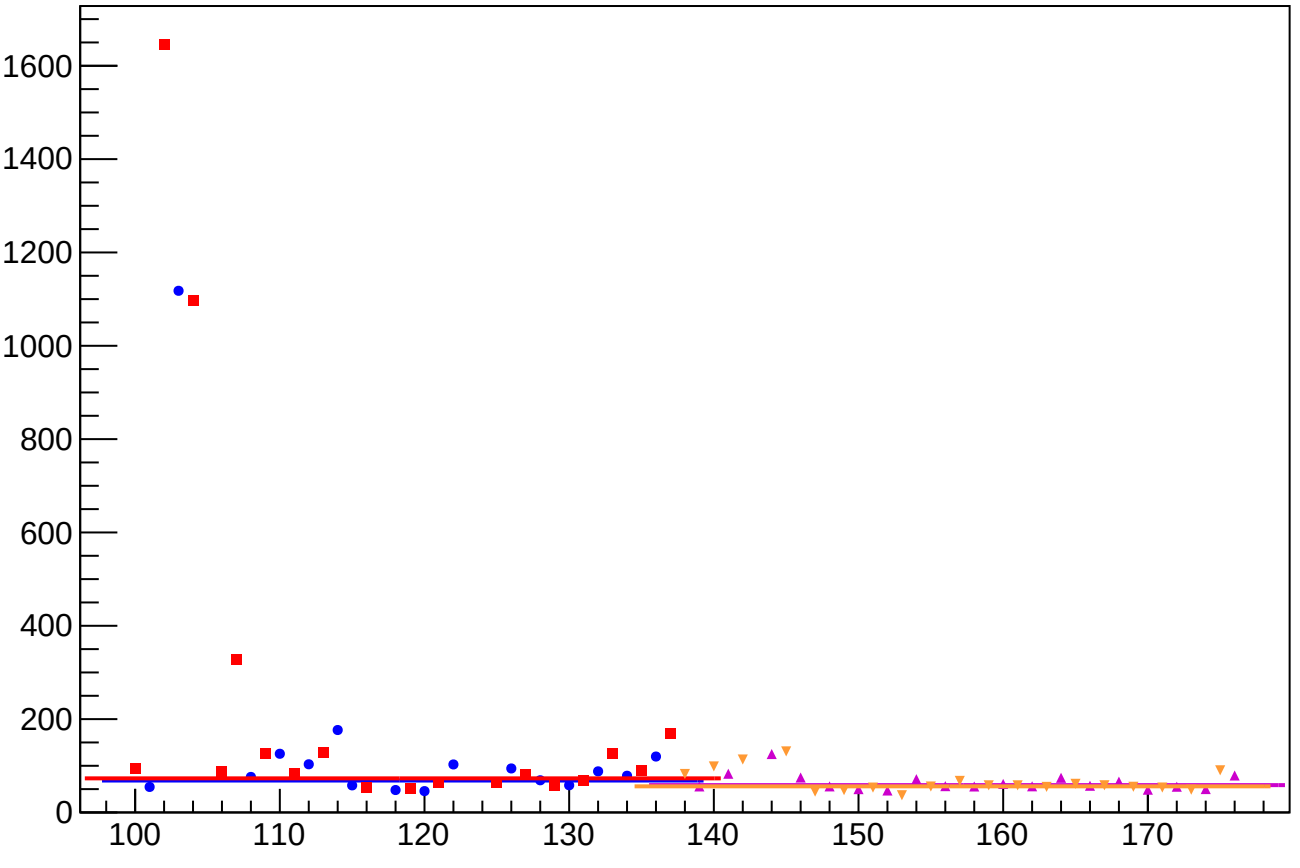
Left: 0.006+/-0.012 χ^2/NDF: 45.5/37

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.7/71



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837310.9/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

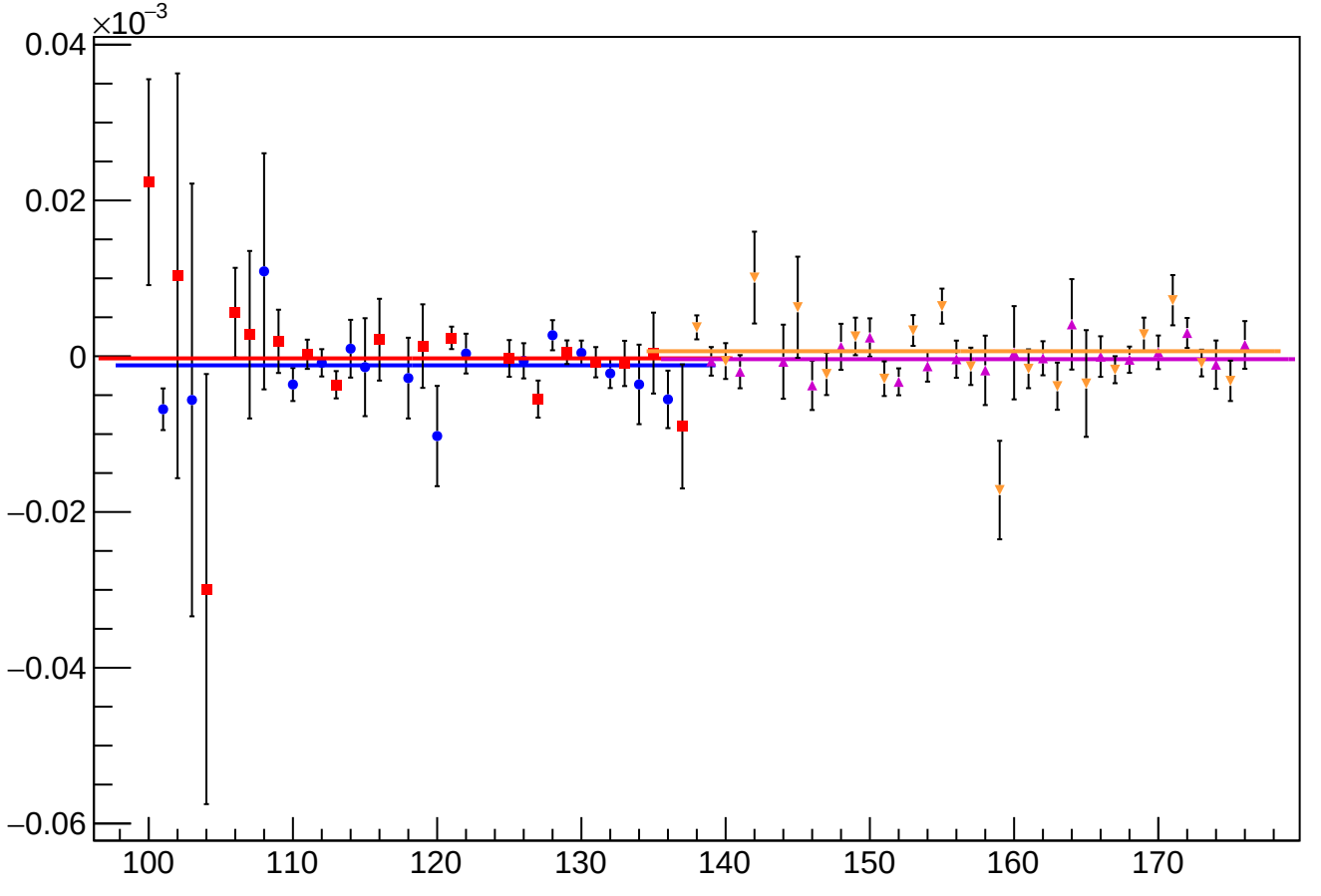
Left: 57.248+/-0.008 χ^2/NDF: 2979549.9/37

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.828+/-0.010 χ^2/NDF:3560754.0/34

Out: 59.254+/-0.010 χ^2/NDF:5172146.3/36

All: 60.051+/-0.007 χ^2/NDF: 8744573.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/18

Left: 0.000+/-0.000 χ^2/NDF: 54.6/37

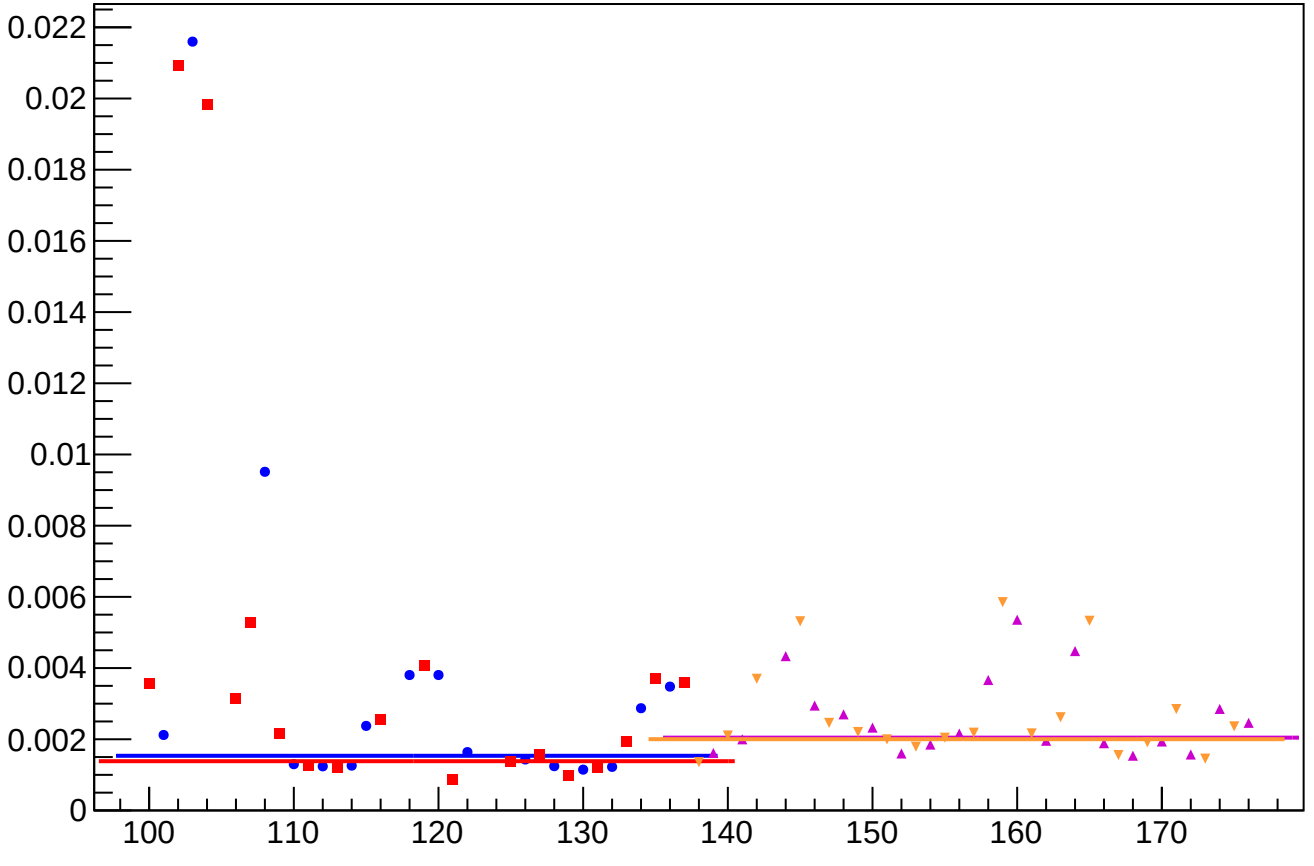
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:27.8/34

Out: 0.000+/-0.000 χ^2/NDF:63.0/36

All: -0.000+/-0.000 χ^2/NDF: 93.3/71

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:2966452.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2733687.0/18

Left: 0.002+/-0.000 χ^2/NDF: 5706238.8/37

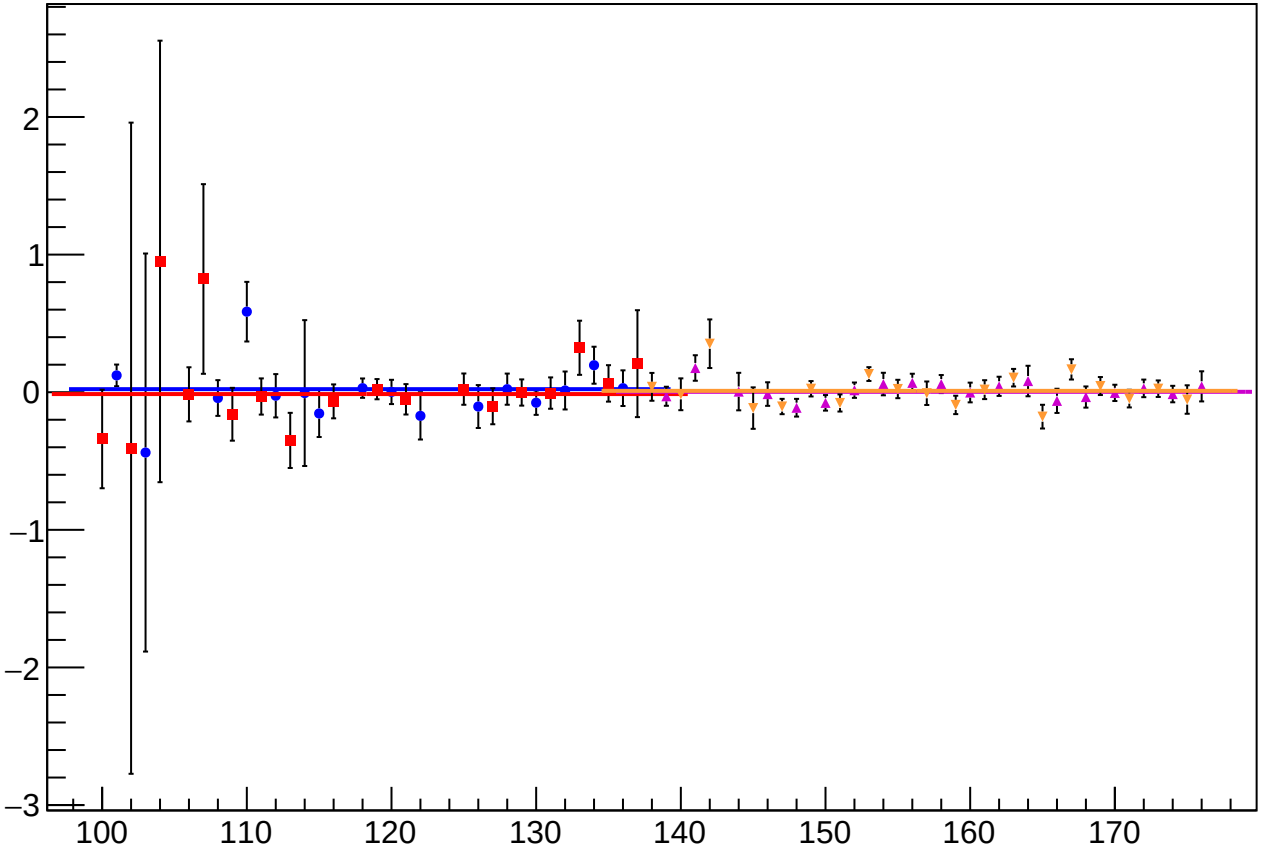
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6799012.6/34

Out: 0.002+/-0.000 χ^2/NDF:8315555.9/36

All: 0.002+/-0.000 χ^2/NDF: 15172046.1/71

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: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

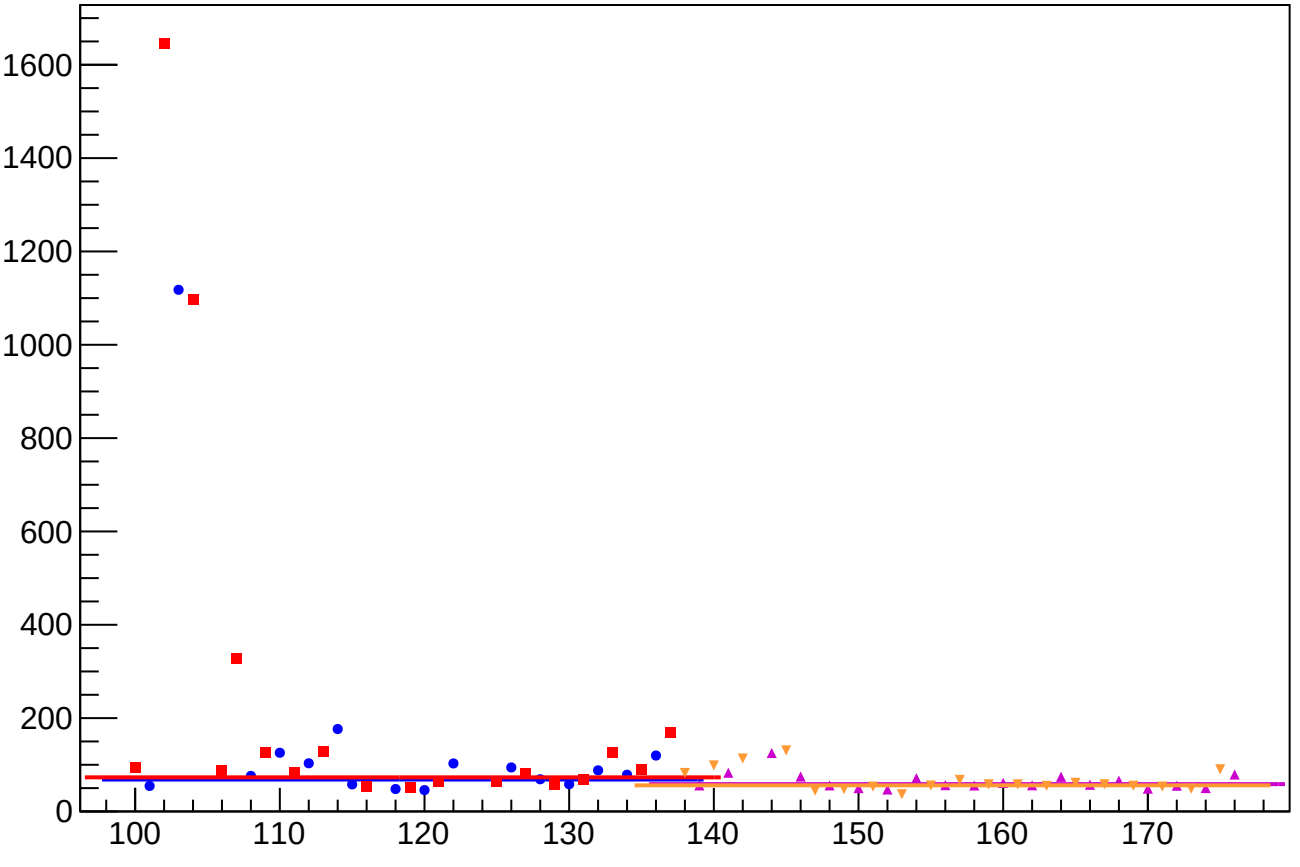
Left: 0.006+/-0.012 χ^2/NDF: 45.5/37

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.7/71



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

Left: 57.248+/-0.008 χ^2/NDF: 2979594.6/37

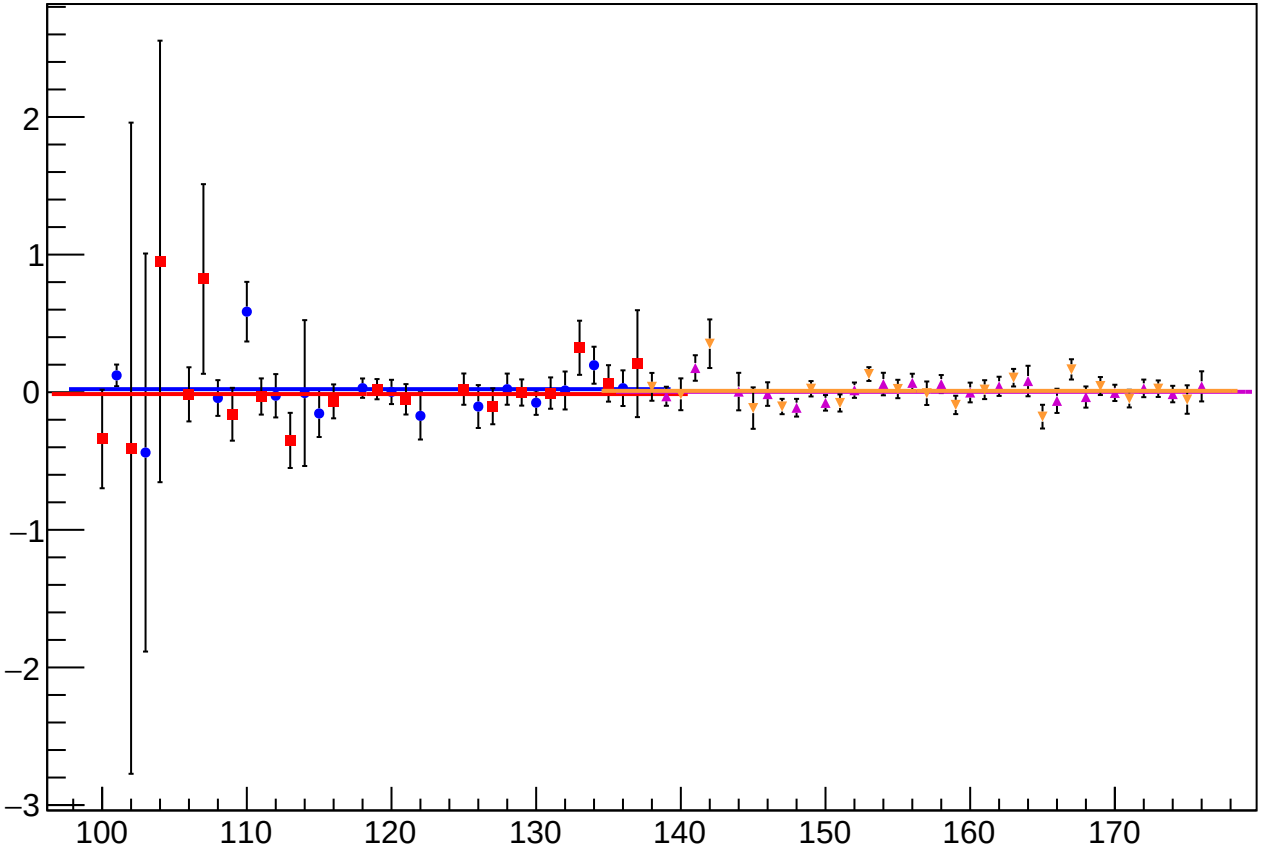
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.828+/-0.010 χ^2/NDF:3560775.4/34

Out: 59.254+/-0.010 χ^2/NDF:5172205.7/36

All: 60.051+/-0.007 χ^2/NDF: 8744654.7/71

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.016 χ^2/NDF:32.2/18

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

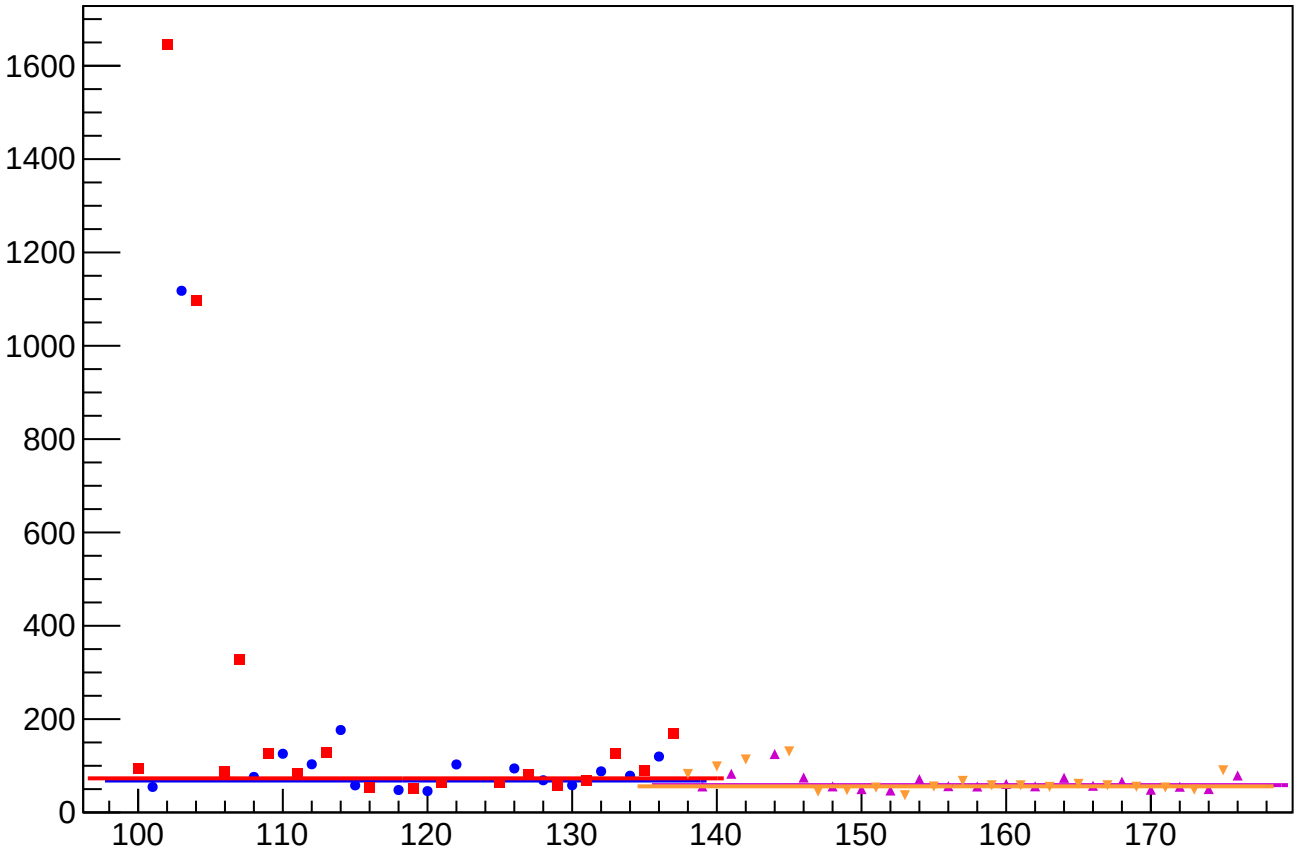
Left: 0.006+/-0.012 χ^2/NDF: 45.5/37

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.005+/-0.015 χ^2/NDF:43.4/36

All: 0.006+/-0.010 χ^2/NDF: 71.7/71



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.971+/-0.012 χ^2/NDF:1837378.1/18

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

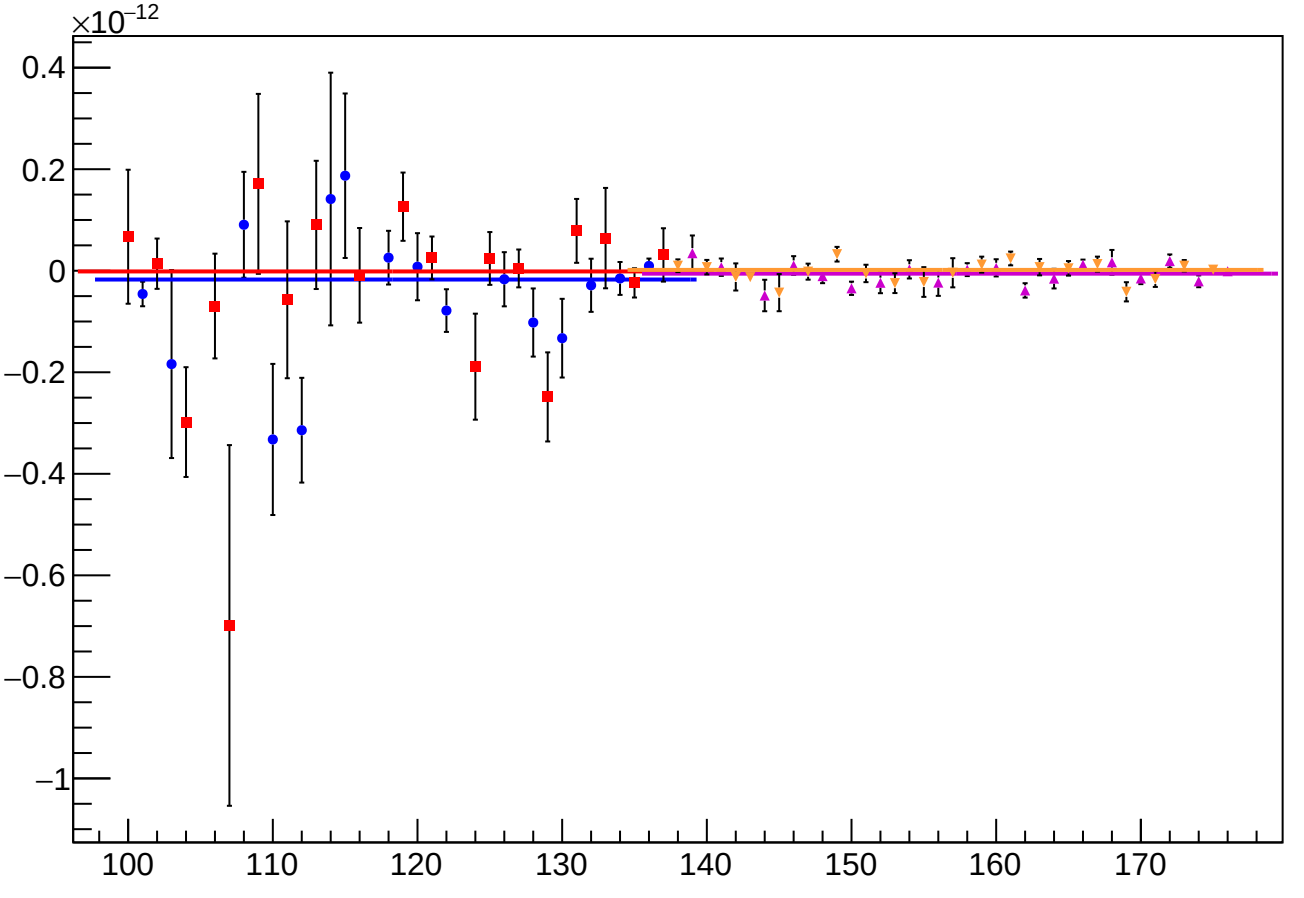
Left: 57.248+/-0.008 χ^2/NDF: 2979594.6/37

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.828+/-0.010 χ^2/NDF:3560775.4/34

Out: 59.254+/-0.010 χ^2/NDF:5172205.7/36

All: 60.051+/-0.007 χ^2/NDF: 8744654.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.7/18

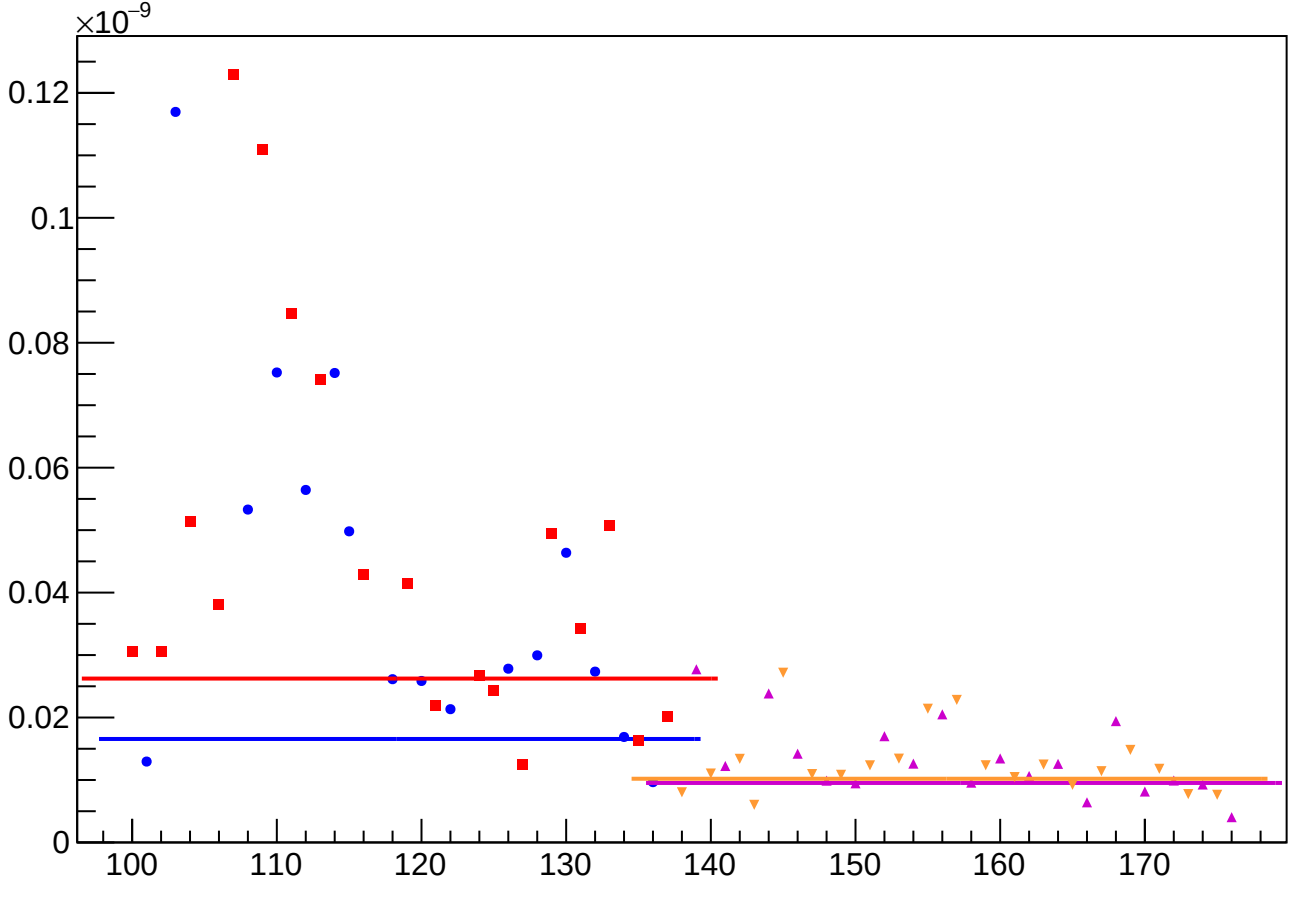
Left: -0.000+/-0.000 χ^2/NDF: 53.2/38

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:57.2/34

Out: 0.000+/-0.000 χ^2/NDF:55.3/38

All: -0.000+/-0.000 χ^2/NDF: 116.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187048.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3665518.0/18

Left: 0.000+/-0.000 χ^2/NDF: 5894993.3/38

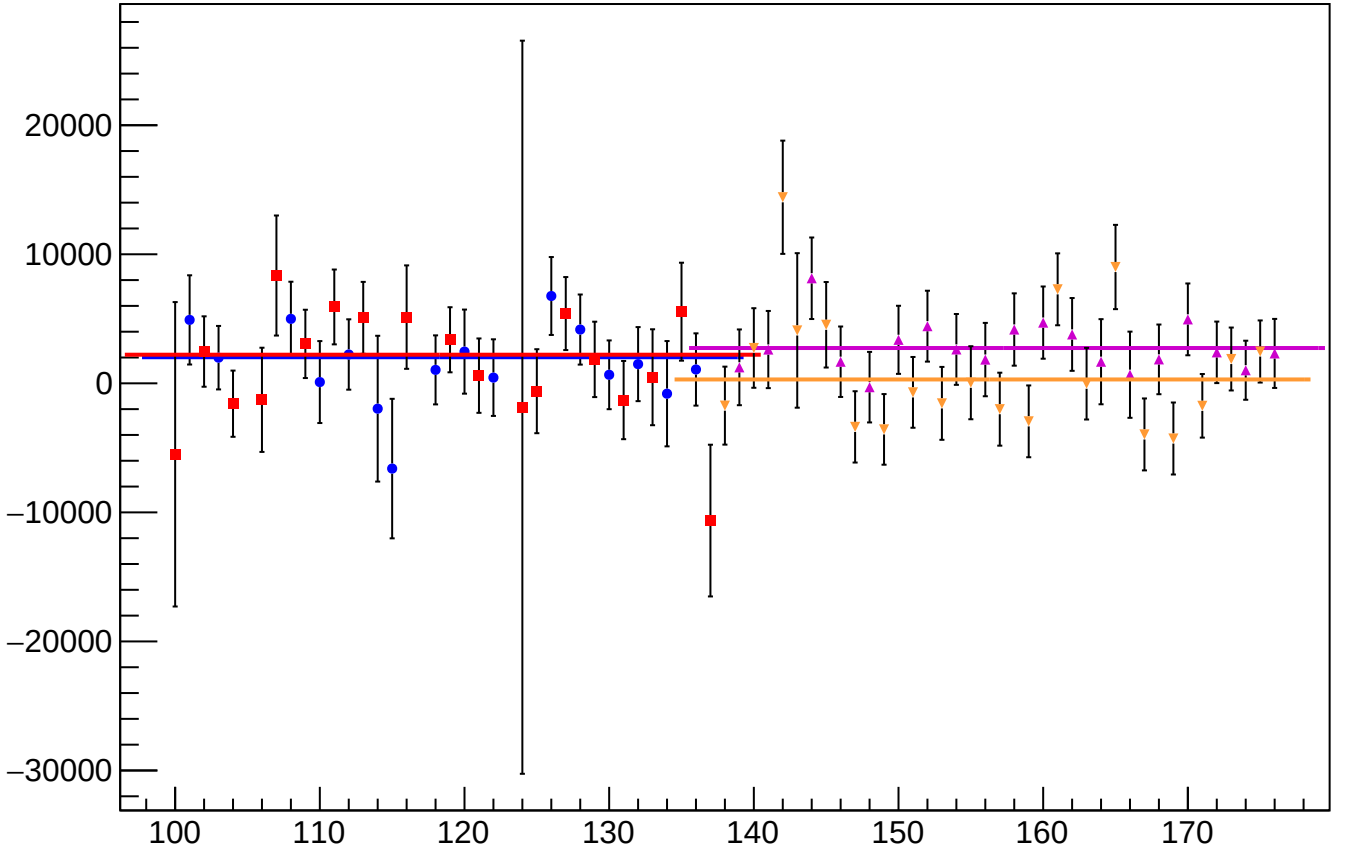
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:7387911.0/34

Out: 0.000+/-0.000 χ^2/NDF:6934161.1/38

All: 0.000+/-0.000 χ^2/NDF: 14389745.7/73

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.766+/-645.075 χ^2/NDF:40.2/19

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2735.777+/-636.986 χ^2/NDF:7.8/18

Left: 1533.141+/-453.250 χ^2/NDF: 55.3/38

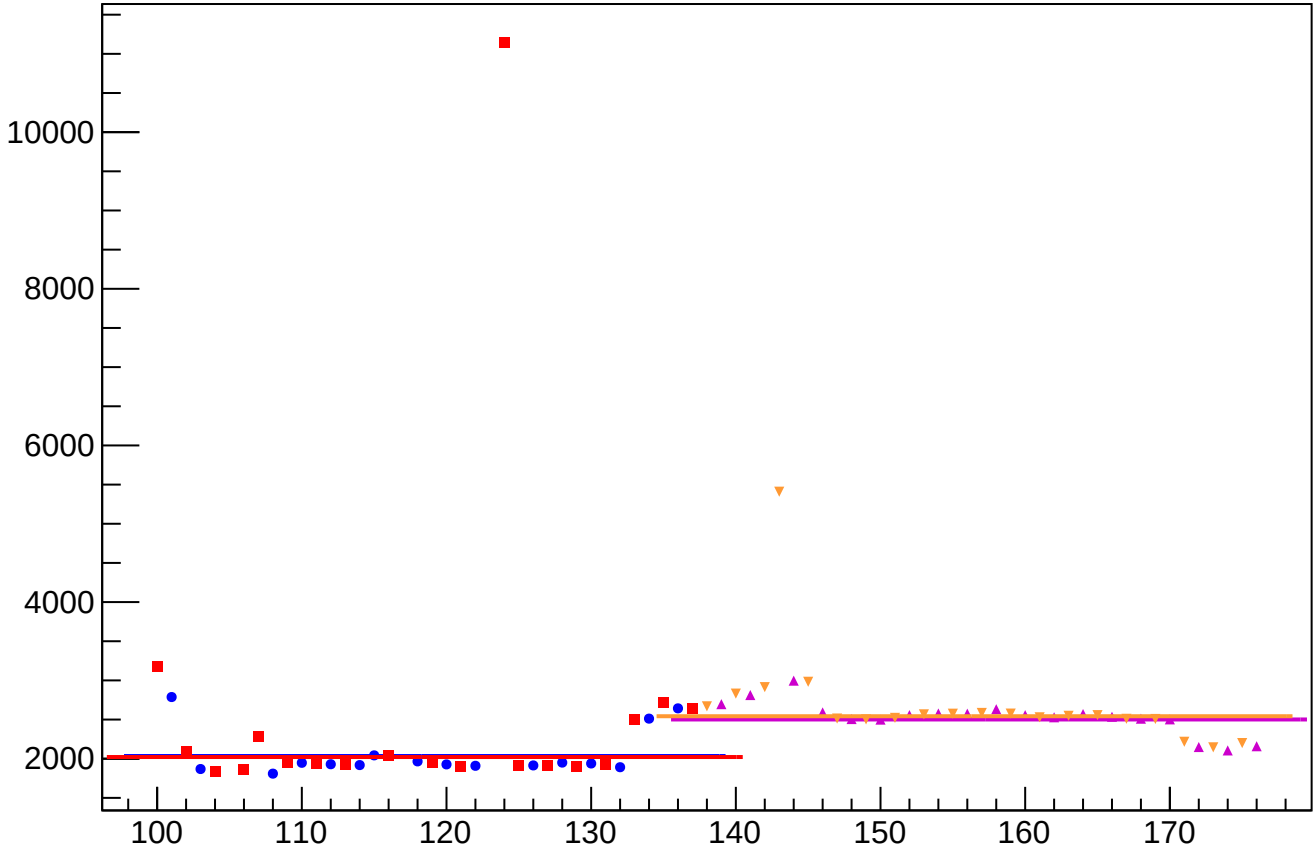
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2443.517+/-489.339 χ^2/NDF:18.0/34

Out: 1107.476+/-490.752 χ^2/NDF:62.1/38

All: 1777.423+/-346.514 χ^2/NDF: 83.7/73

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2542.432+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

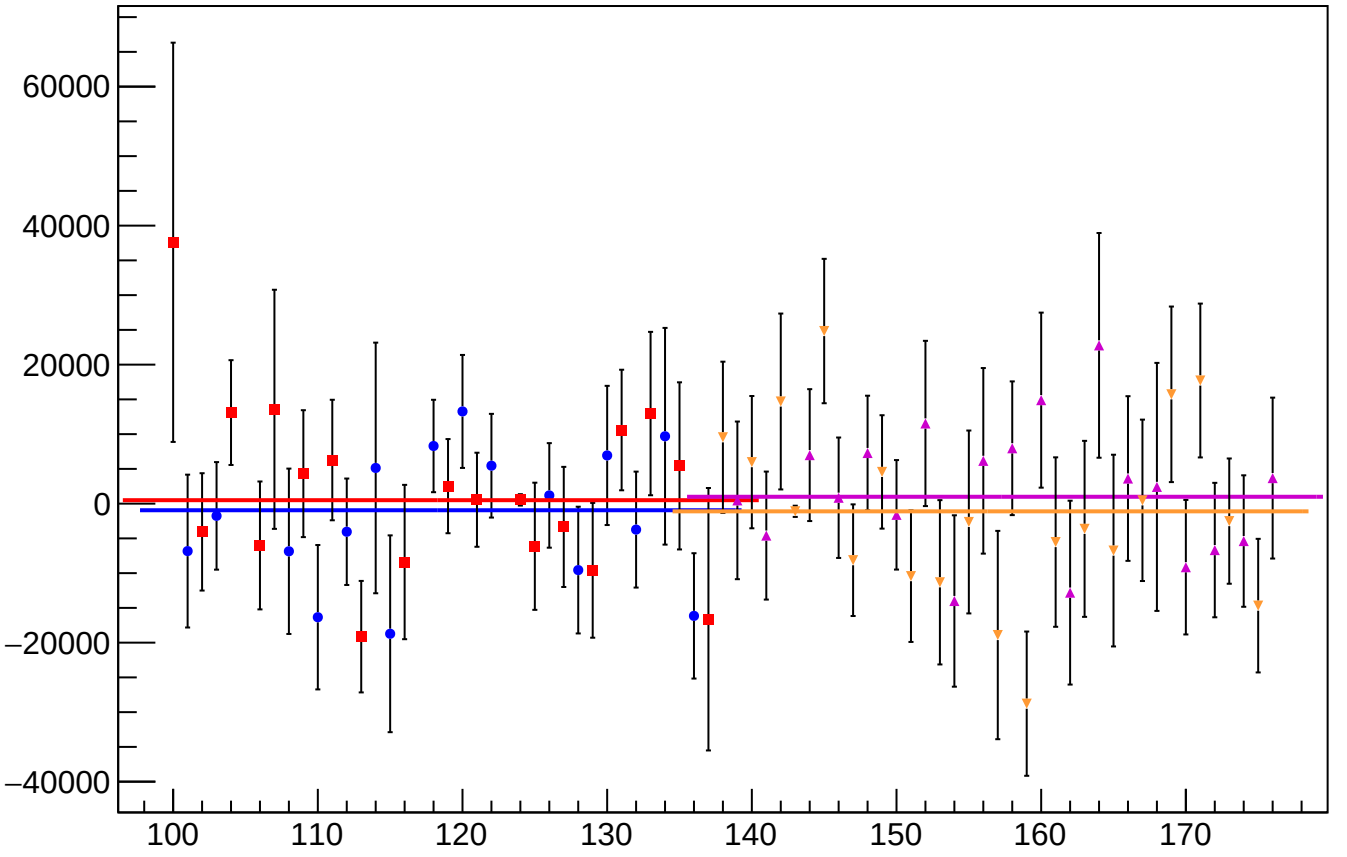
Left: 2521.479+/-0.320 χ^2/NDF: 892838.4/38

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2309.693+/-0.346 χ^2/NDF:931541.7/34

Out: 2323.018+/-0.347 χ^2/NDF:1600101.8/38

All: 2316.336+/-0.245 χ^2/NDF: 2532382.9/73



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1107.788+/-766.625 χ^2/NDF:27.9/19

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 989.421+/-2418.073 χ^2/NDF:10.8/18

Left: -916.242+/-730.777 χ^2/NDF: 39.3/38

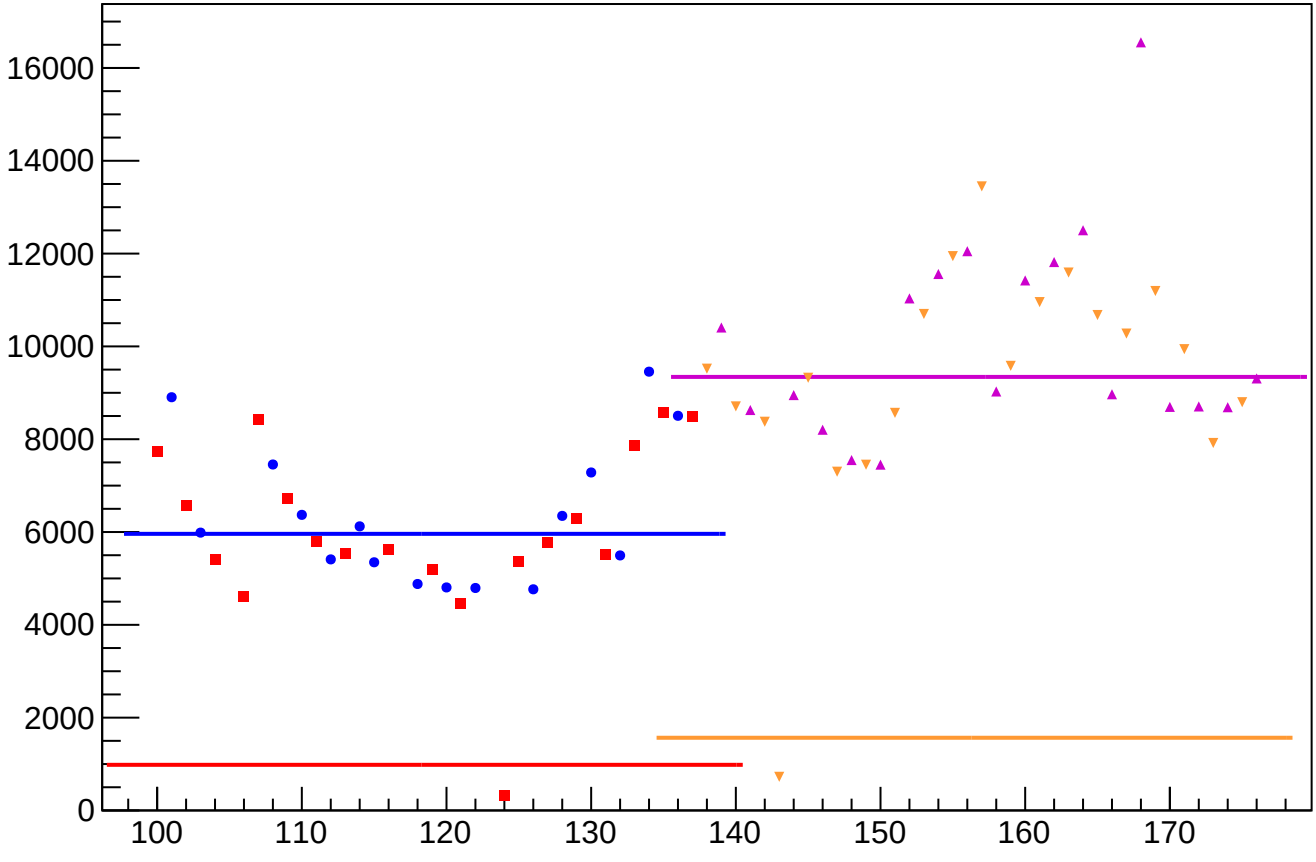
Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -38.136+/-1658.303 χ^2/NDF:26.5/34

Out: -306.959+/-542.672 χ^2/NDF:48.5/38

All: -280.955+/-515.758 χ^2/NDF: 75.0/73

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1566.632+/-0.542 χ^2/NDF:22976008.6/19

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9342.635+/-1.710 χ^2/NDF:1023641.3/18

Left: 2276.844+/-0.517 χ^2/NDF: 42793181.2/38

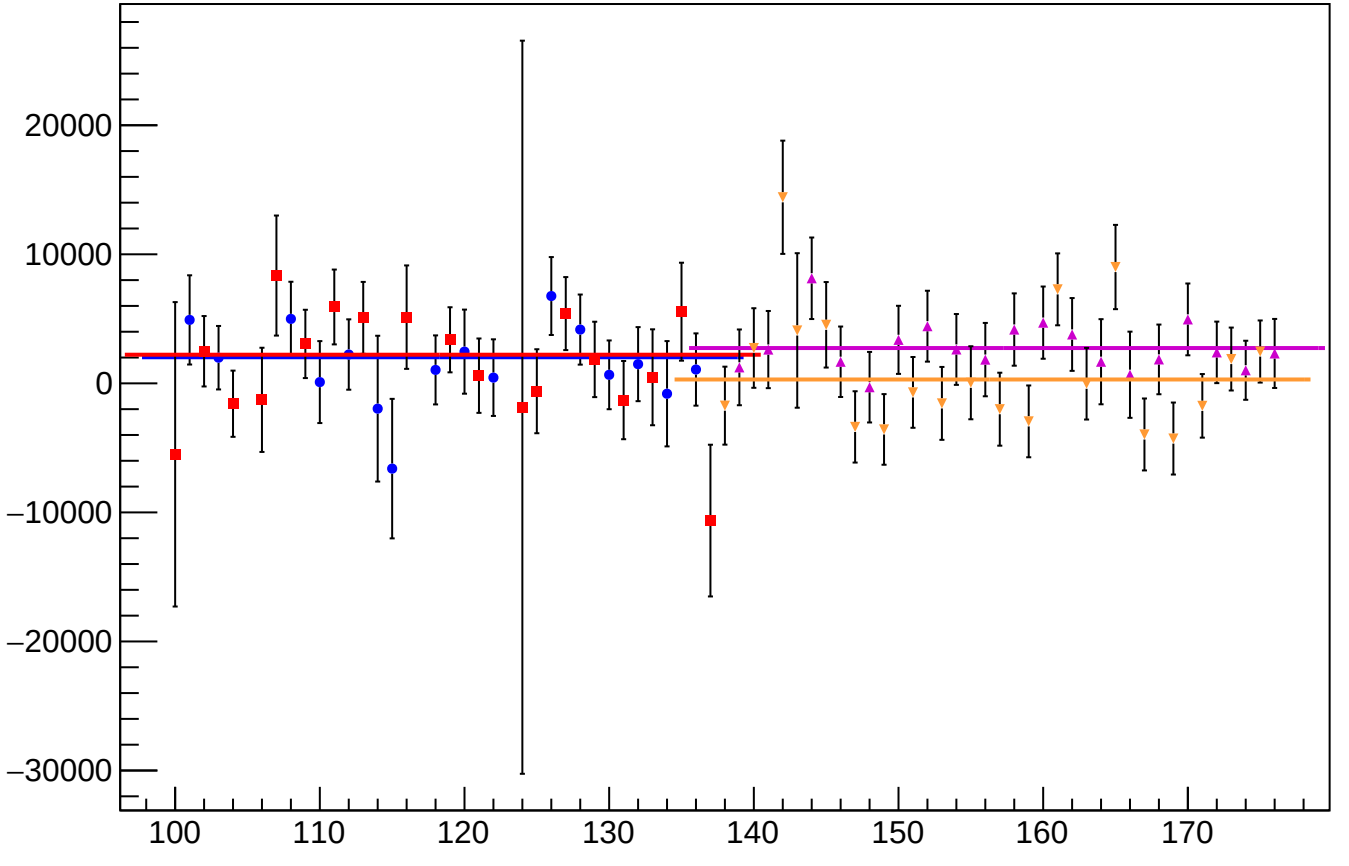
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7551.329+/-1.173 χ^2/NDF:3785020.7/34

Out: 1275.606+/-0.384 χ^2/NDF:34970396.6/38

All: 1882.661+/-0.365 χ^2/NDF: 64628431.9/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2735.812+/-636.986 χ^2/NDF:7.9/18

Left: 1533.176+/-453.250 χ^2/NDF: 55.3/38

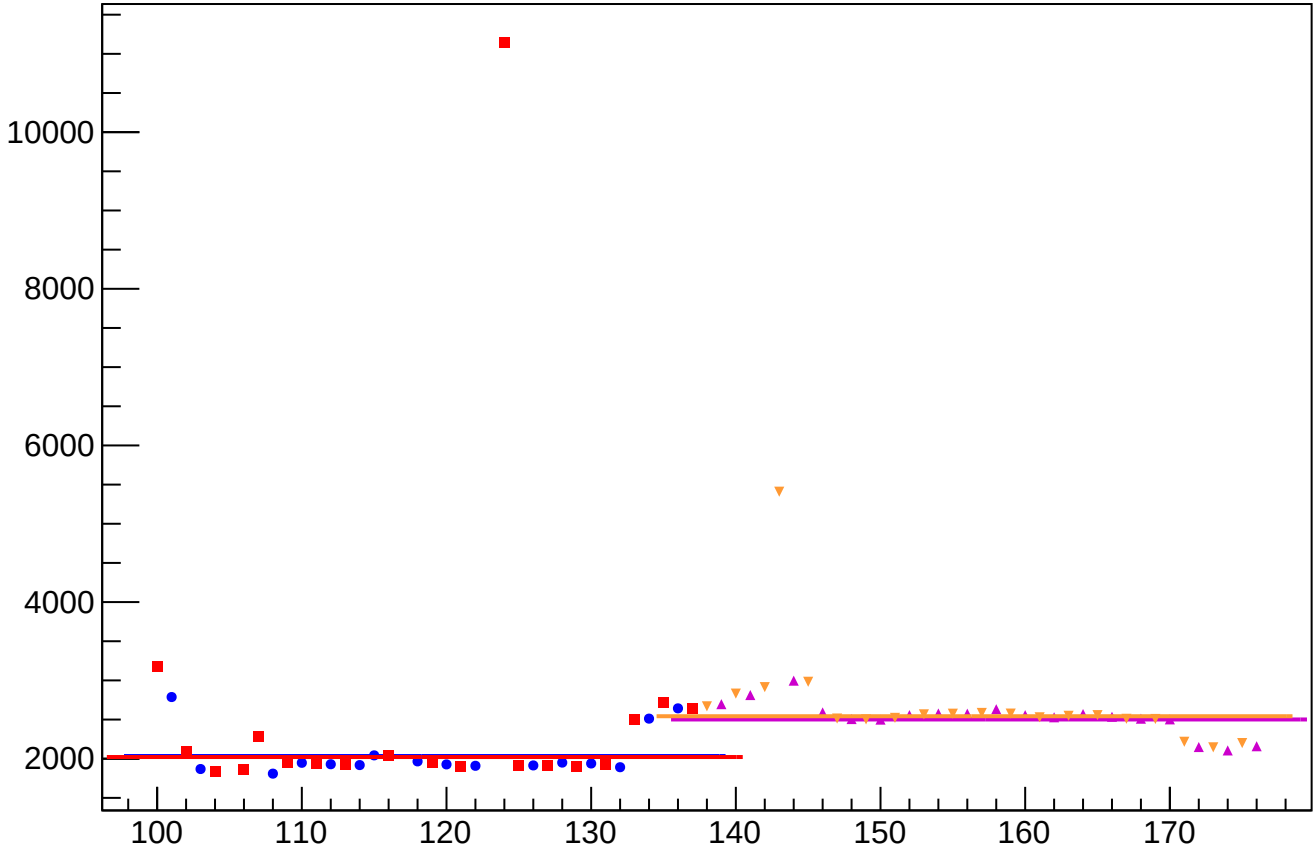
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2443.589+/-489.339 χ^2/NDF:18.0/34

Out: 1108.260+/-490.754 χ^2/NDF:62.1/38

All: 1777.853+/-346.514 χ^2/NDF: 83.7/73

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

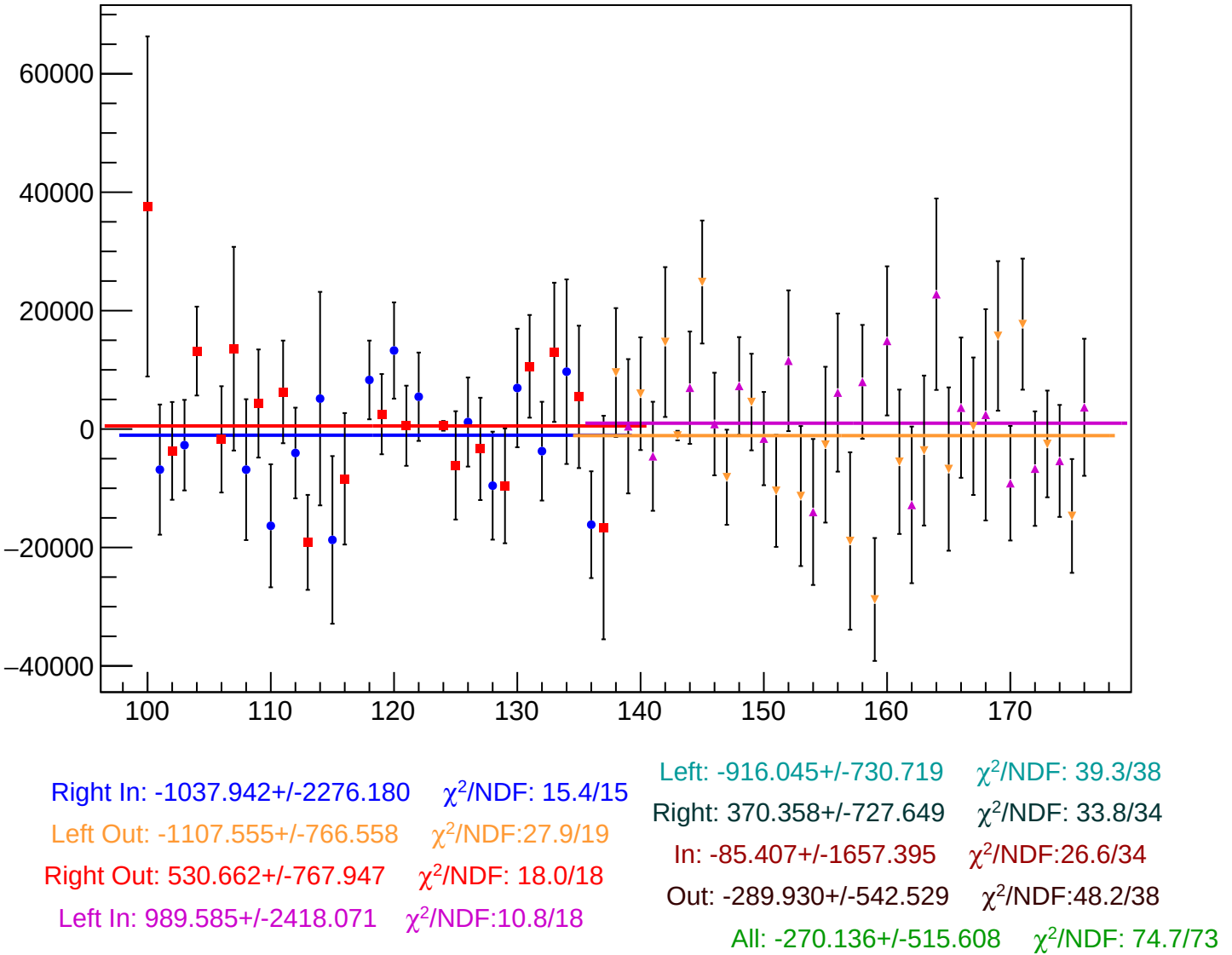
Left: 2521.479+/-0.320 χ^2/NDF: 892838.3/38

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2309.692+/-0.346 χ^2/NDF:931541.8/34

Out: 2323.030+/-0.347 χ^2/NDF:1600061.8/38

All: 2316.342+/-0.245 χ^2/NDF: 2532344.3/73


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
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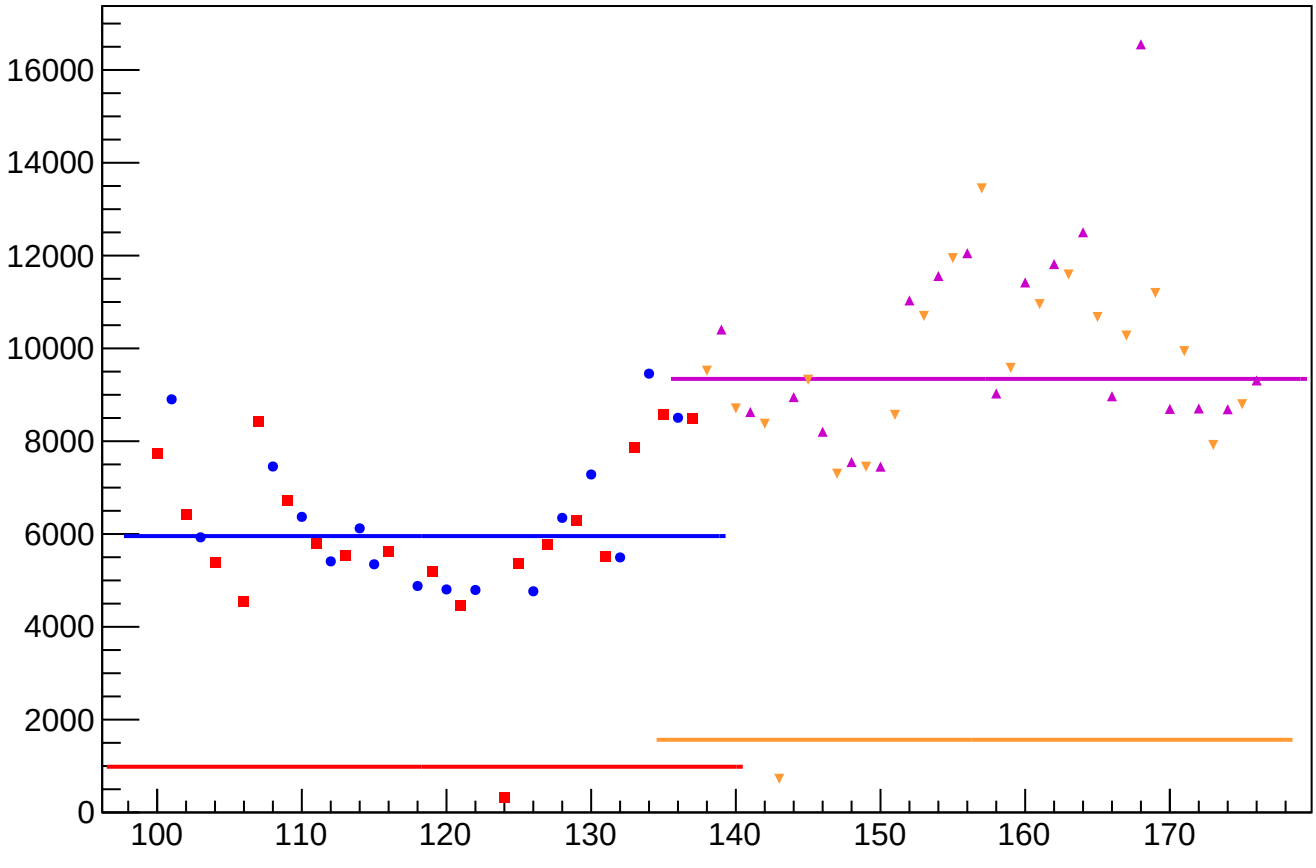
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1107.555+/-766.558 χ²/NDF:27.9/19
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 989.585+/-2418.071 χ²/NDF:10.8/18
Left: -916.045+/-730.719 χ²/NDF: 39.3/38
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -85.407+/-1657.395 χ²/NDF:26.6/34
Out: -289.930+/-542.529 χ²/NDF:48.2/38
All: -270.136+/-515.608 χ²/NDF: 74.7/73



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

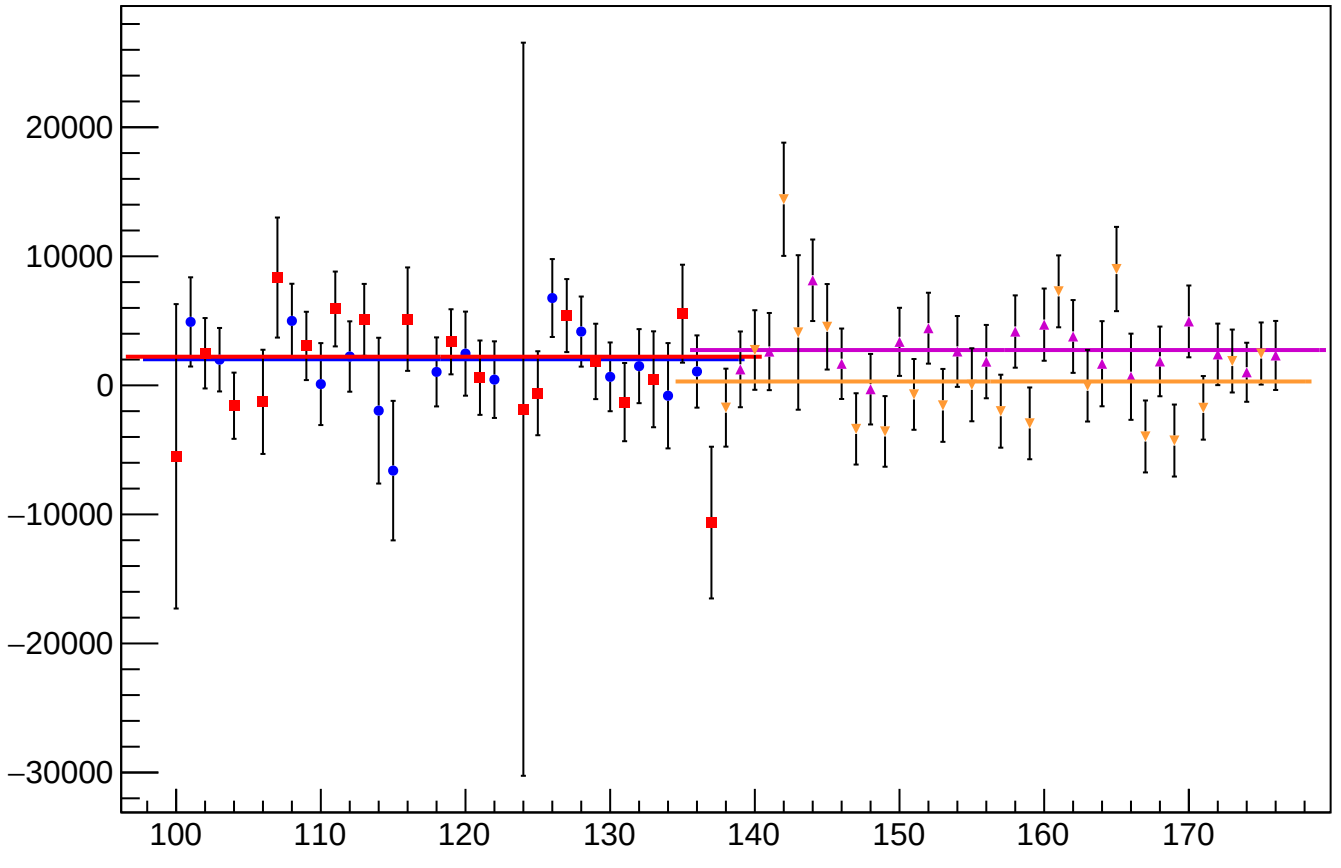
Left: 2276.541+/-0.517 χ^2/NDF: 42795261.9/38

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7546.849+/-1.172 χ^2/NDF:3793242.4/34

Out: 1276.260+/-0.384 χ^2/NDF:34963800.0/38

All: 1883.129+/-0.365 χ^2/NDF: 64614625.0/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 299.800+/-645.075 χ^2/NDF:40.2/19

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2735.812+/-636.986 χ^2/NDF:7.9/18

Left: 1533.176+/-453.250 χ^2/NDF: 55.3/38

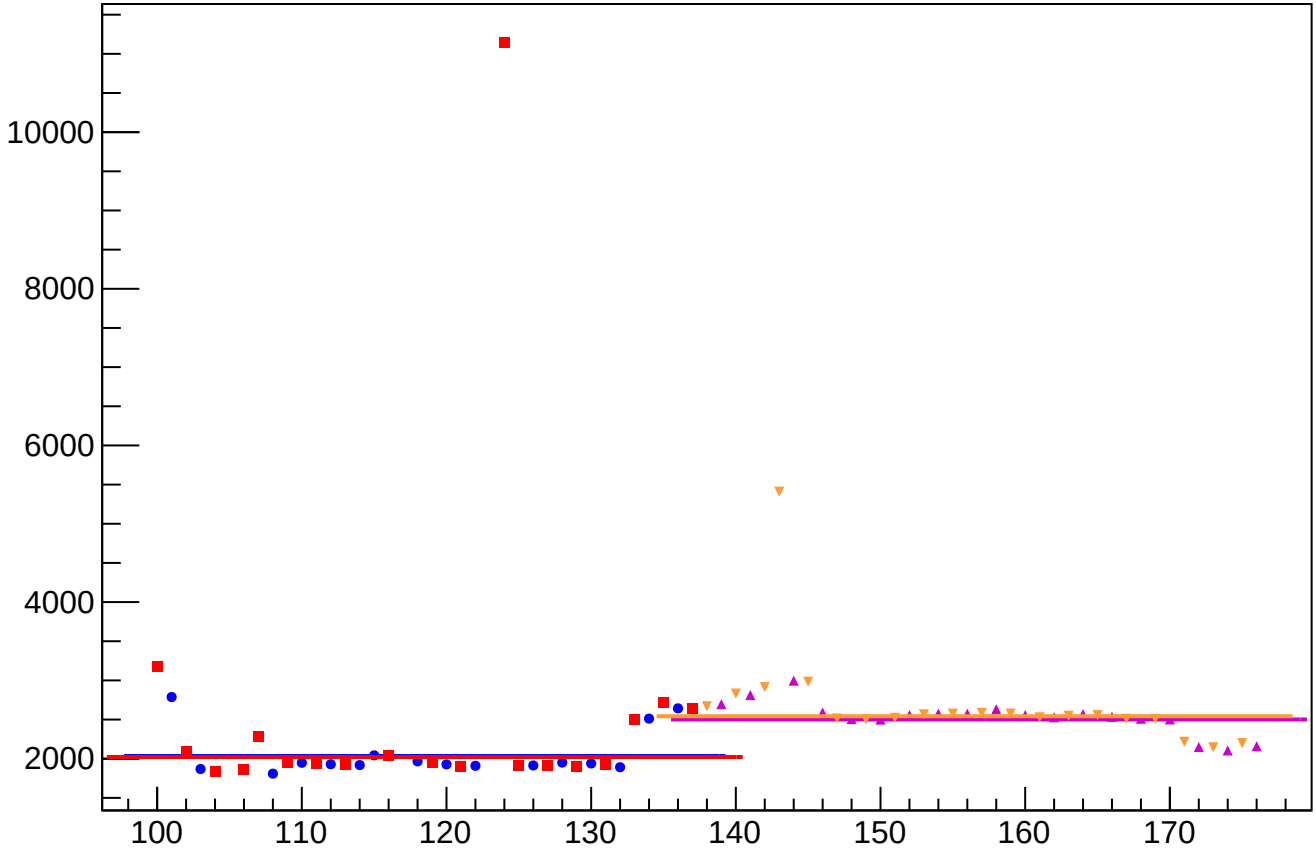
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2443.589+/-489.339 χ^2/NDF:18.0/34

Out: 1108.260+/-490.754 χ^2/NDF:62.1/38

All: 1777.853+/-346.514 χ^2/NDF: 83.7/73

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2542.433+/-0.456 χ^2/NDF:660468.4/19

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

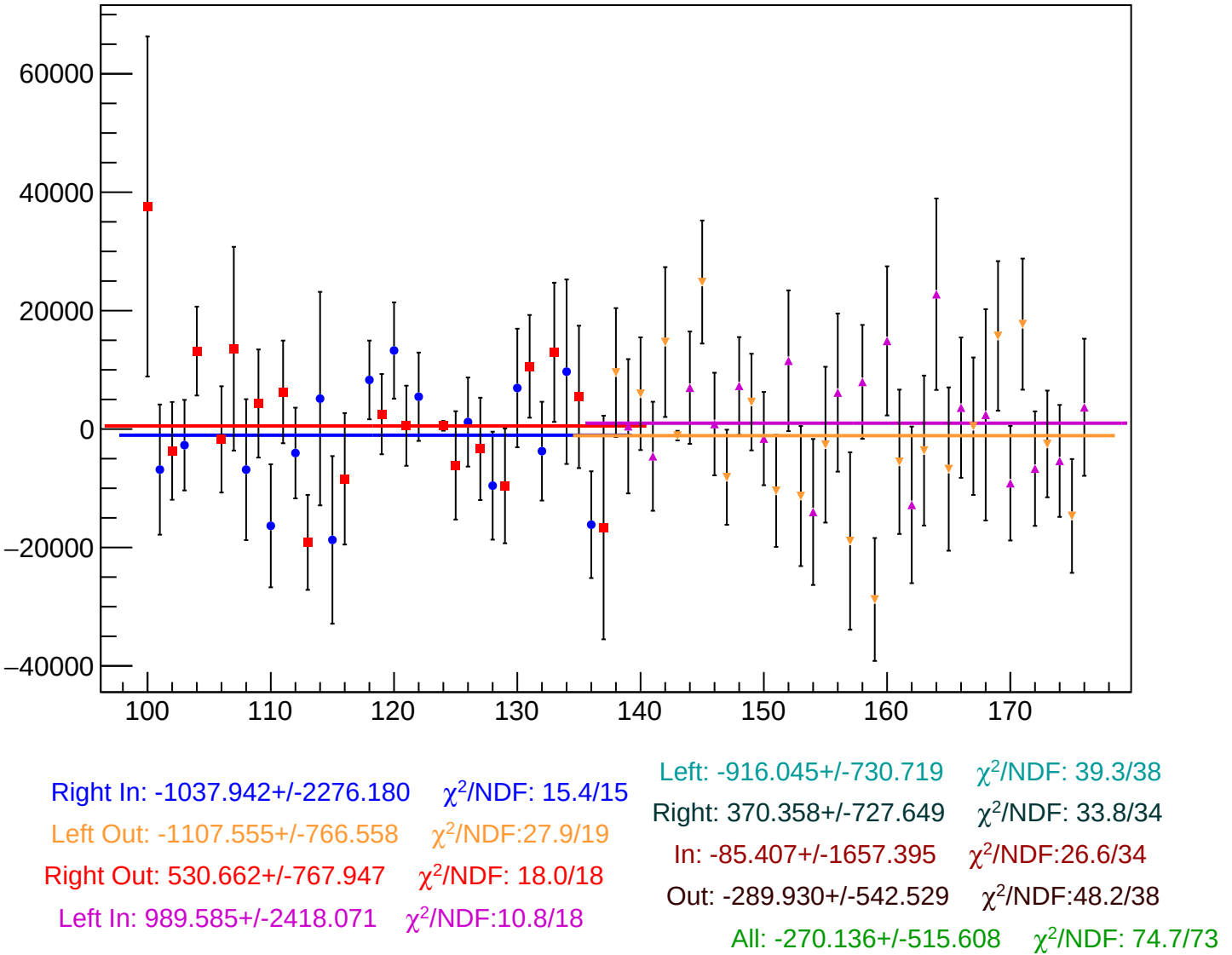
Left: 2521.479+/-0.320 χ^2/NDF: 892838.3/38

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2309.692+/-0.346 χ^2/NDF:931541.8/34

Out: 2323.030+/-0.347 χ^2/NDF:1600061.8/38

All: 2316.342+/-0.245 χ^2/NDF: 2532344.3/73


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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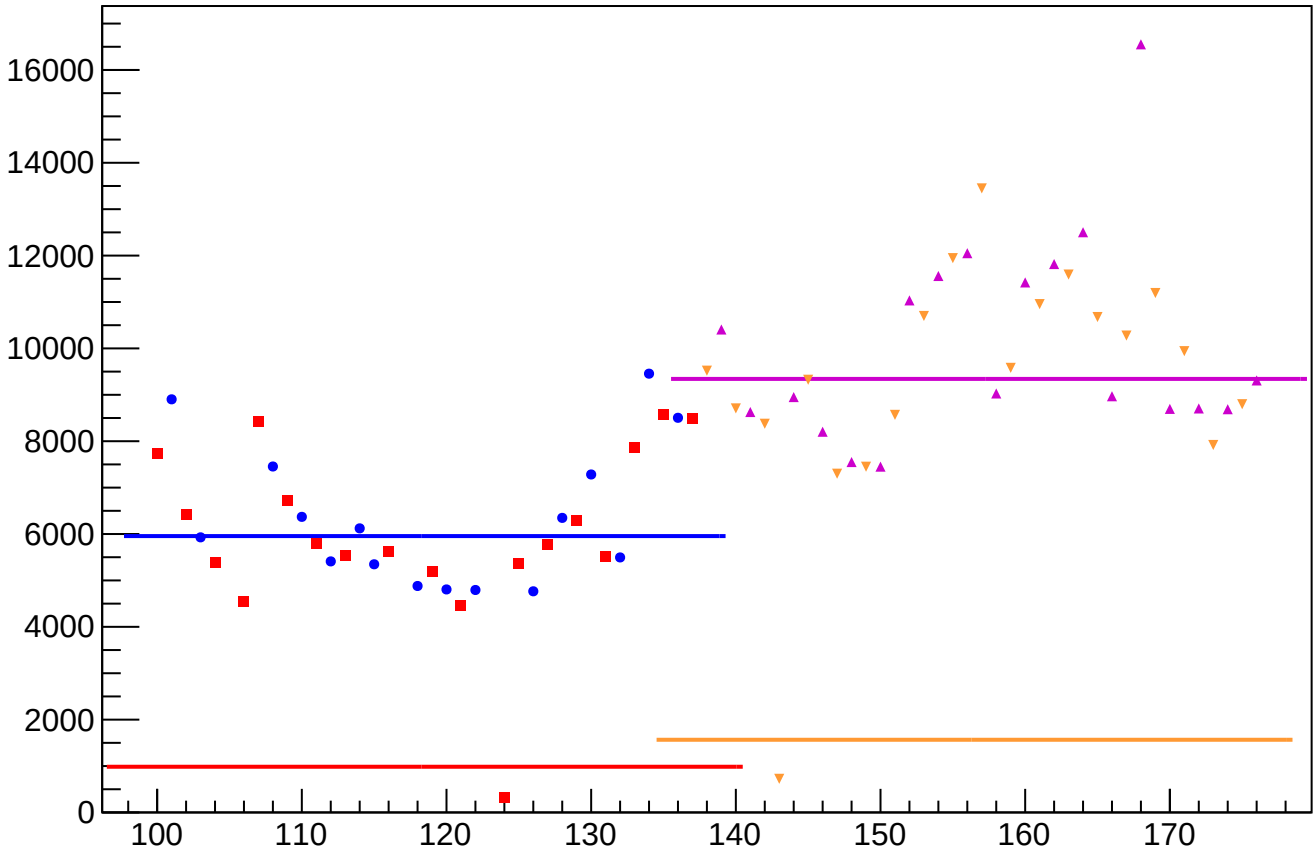
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1107.555+/-766.558 χ²/NDF:27.9/19
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 989.585+/-2418.071 χ²/NDF:10.8/18
Left: -916.045+/-730.719 χ²/NDF: 39.3/38
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -85.407+/-1657.395 χ²/NDF:26.6/34
Out: -289.930+/-542.529 χ²/NDF:48.2/38
All: -270.136+/-515.608 χ²/NDF: 74.7/73



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1566.423+/-0.542 χ^2/NDF:22976785.7/19

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

Left: 2276.541+/-0.517 χ^2/NDF: 42795261.9/38

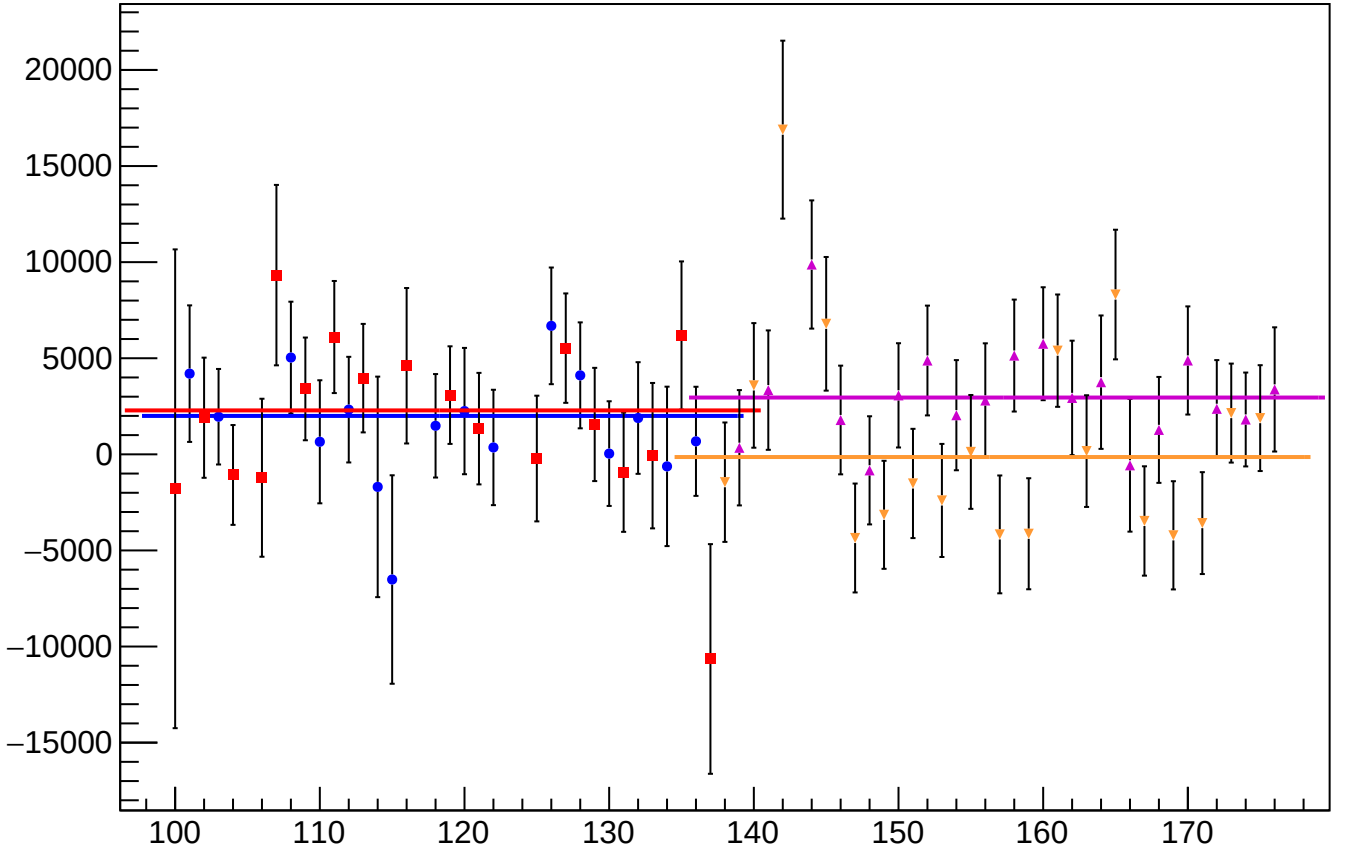
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7546.849+/-1.172 χ^2/NDF:3793242.4/34

Out: 1276.260+/-0.384 χ^2/NDF:34963800.0/38

All: 1883.129+/-0.365 χ^2/NDF: 64614625.0/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.468+/-680.886 χ^2/NDF:43.2/18

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2955.165+/-668.161 χ^2/NDF:11.3/18

Left: 1436.546+/-476.896 χ^2/NDF: 65.0/37

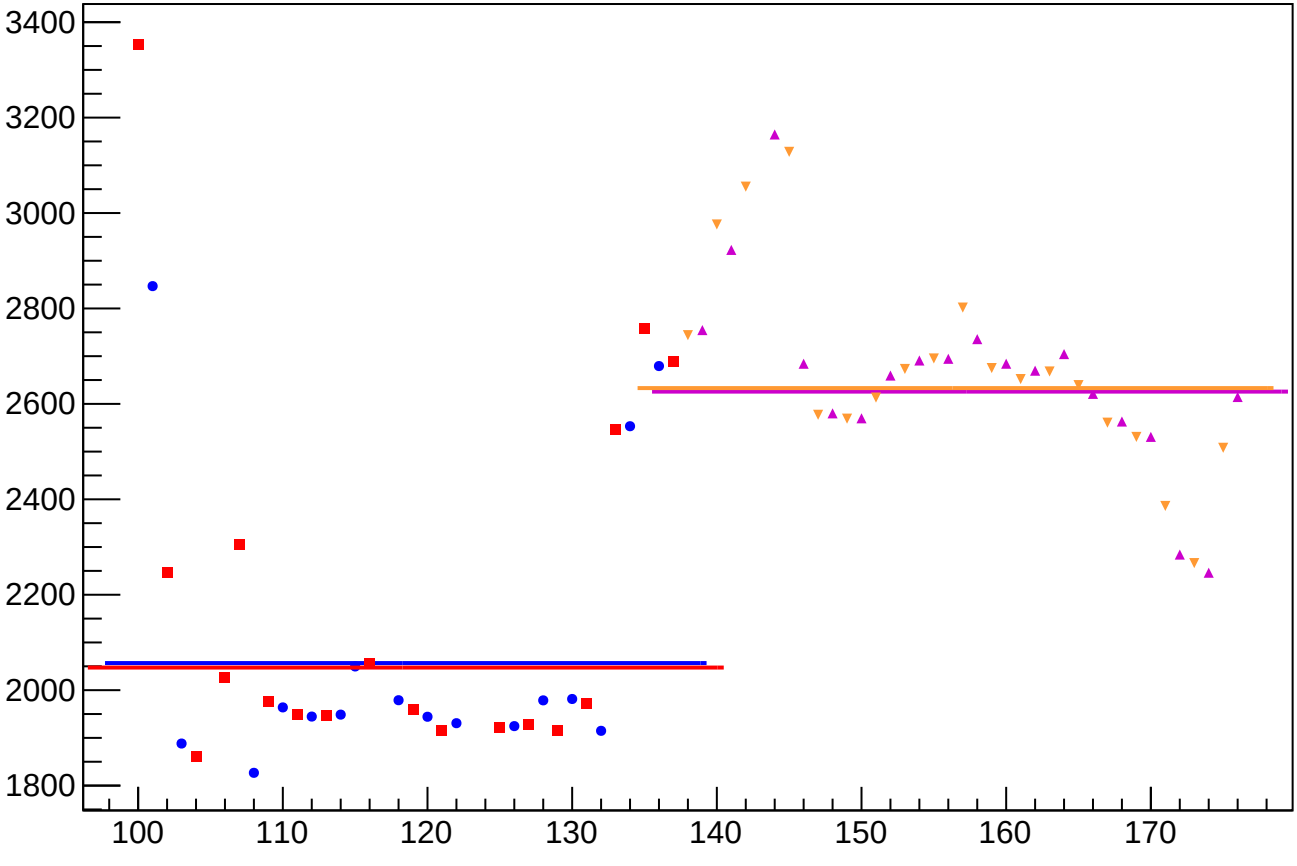
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2546.690+/-505.645 χ^2/NDF:21.2/34

Out: 922.234+/-510.446 χ^2/NDF:65.4/36

All: 1742.138+/-359.231 χ^2/NDF: 91.7/71

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.105+/-0.481 χ^2/NDF:158151.6/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2625.737+/-0.472 χ^2/NDF:171909.0/18

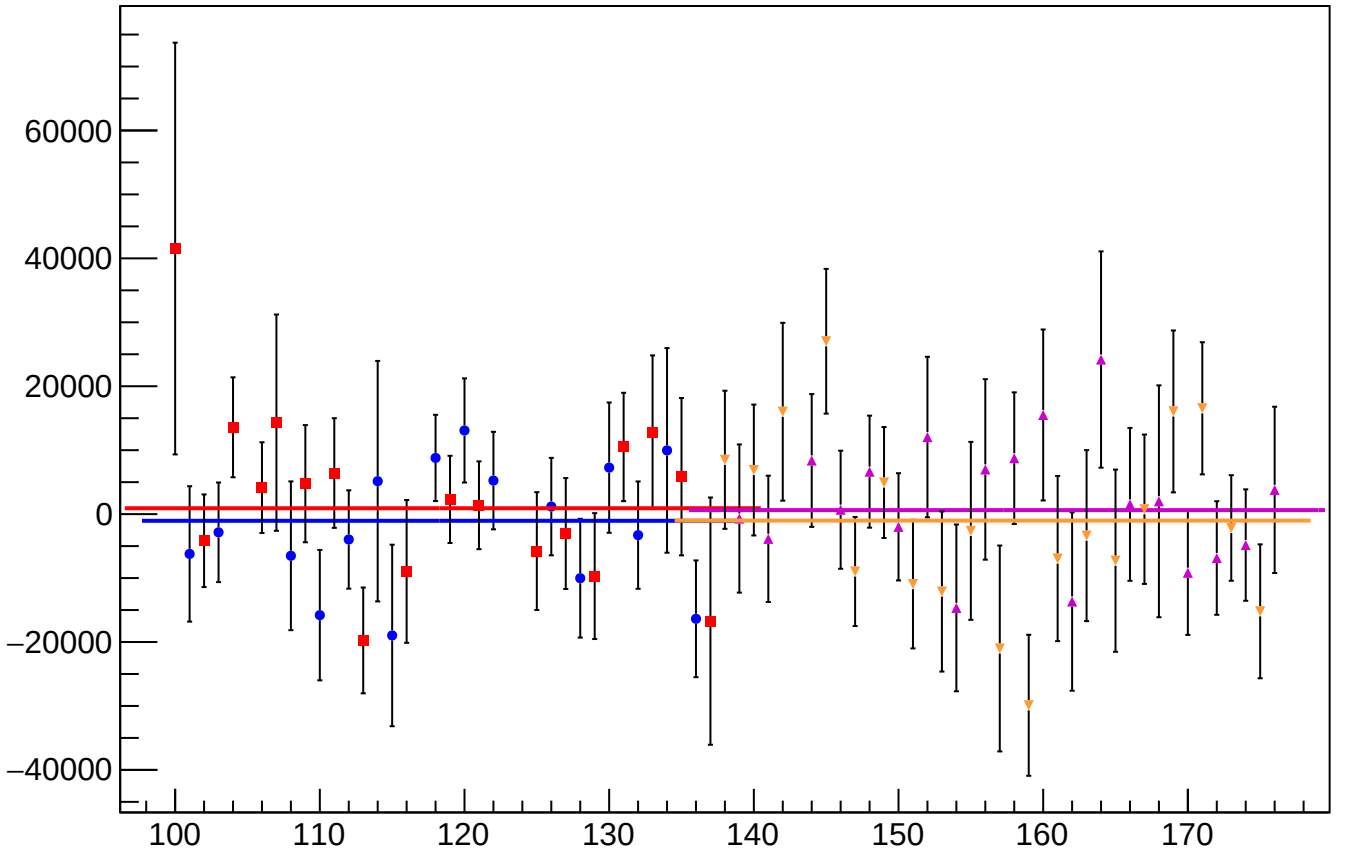
Left: 2629.352+/-0.337 χ^2/NDF: 330179.9/37

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2382.631+/-0.358 χ^2/NDF:1061994.1/34

Out: 2376.142+/-0.361 χ^2/NDF:1003953.6/36

All: 2379.415+/-0.254 χ^2/NDF: 2066110.8/71



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1011.273+/-2540.991 χ^2/NDF:27.6/18

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 627.475+/-2505.945 χ^2/NDF:10.8/18

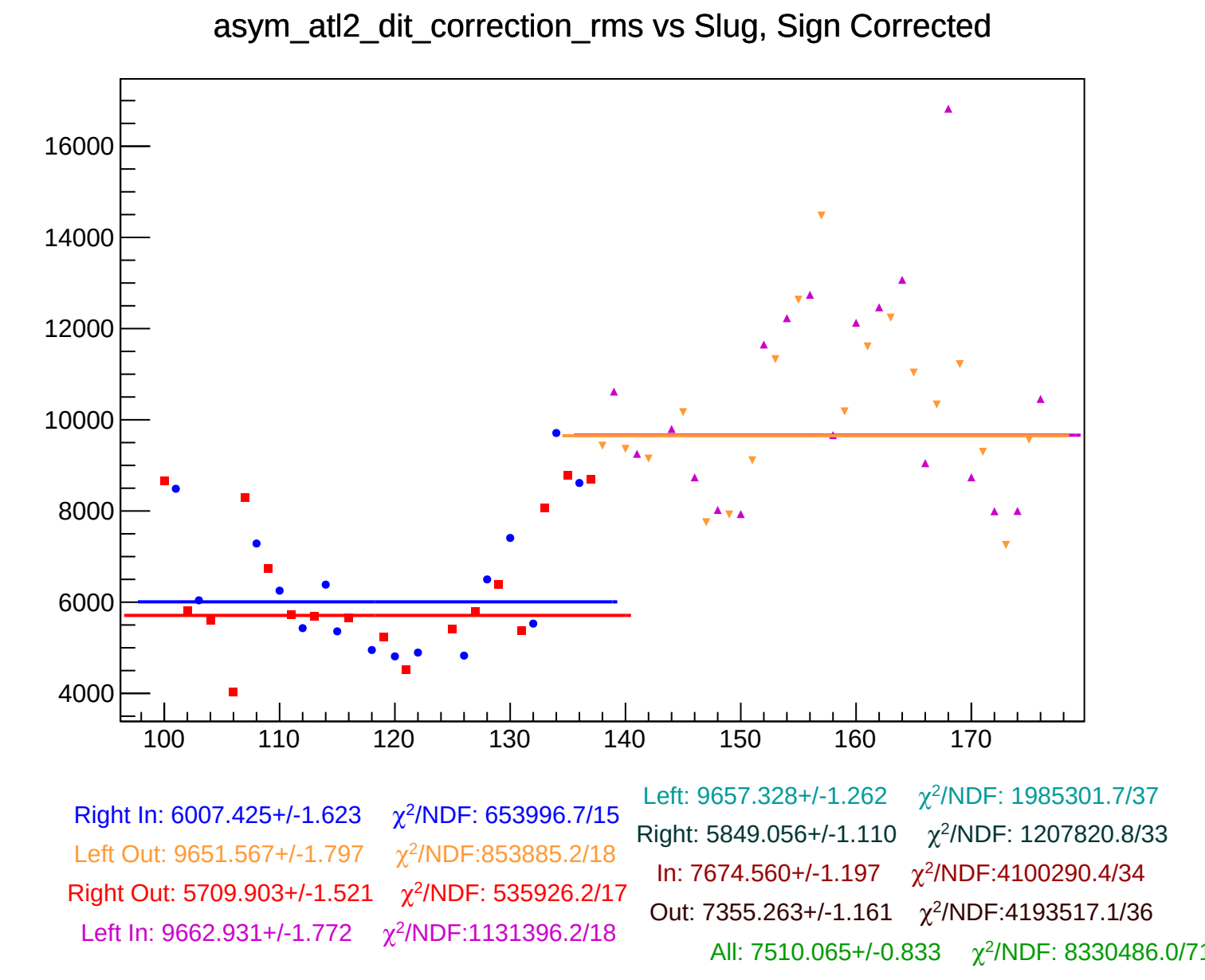
Left: -180.520+/-1784.233 χ^2/NDF: 38.6/37

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -280.897+/-1692.323 χ^2/NDF:26.4/34

Out: 113.636+/-1641.701 χ^2/NDF:46.2/36

All: -77.641+/-1178.348 χ^2/NDF: 72.6/71


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
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4000
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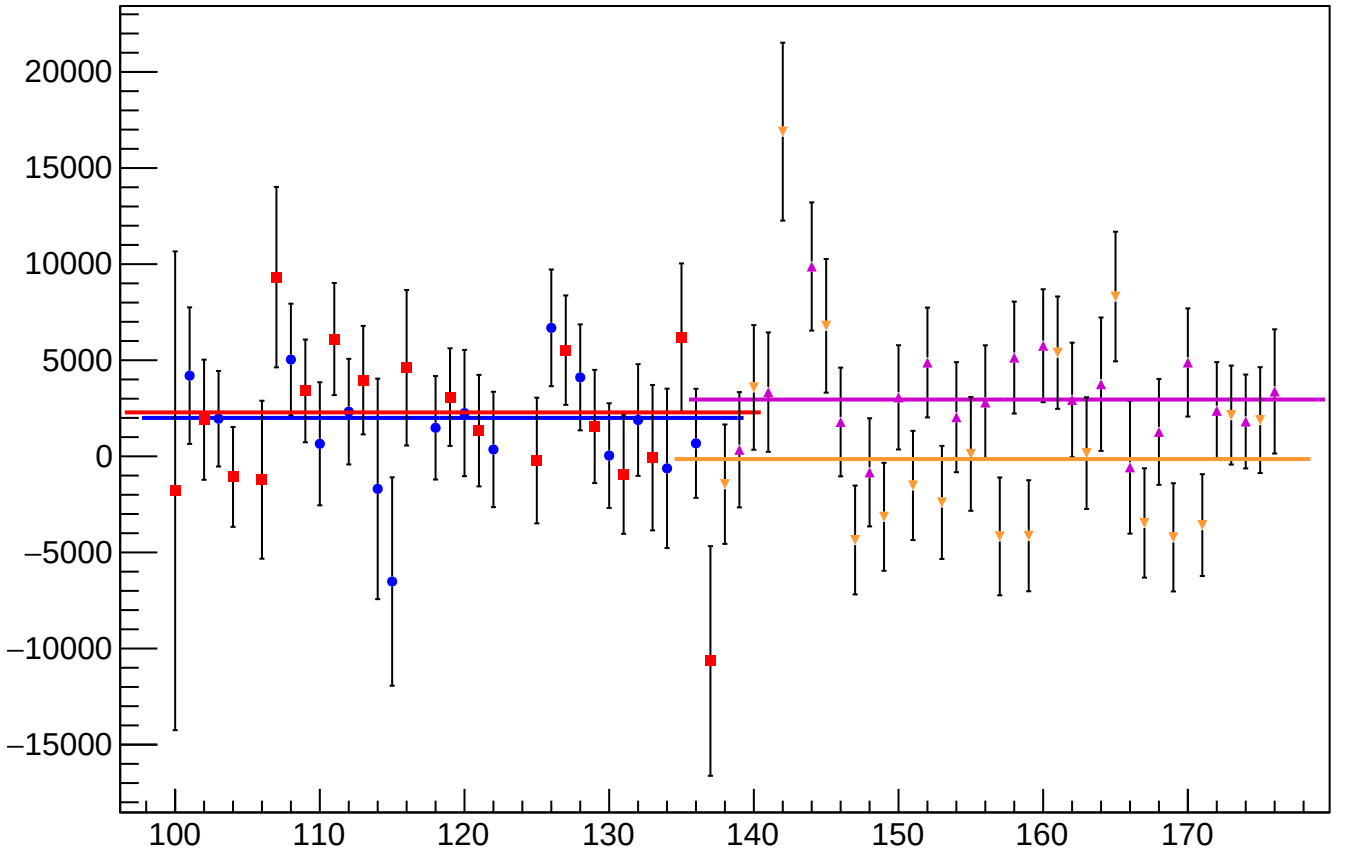
120
130
140
150
160
170
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9651.567+/-1.797 χ²/NDF:853885.2/18
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9662.931+/-1.772 χ²/NDF:1131396.2/18
Left: 9657.328+/-1.262 χ²/NDF: 1985301.7/37
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7674.560+/-1.197 χ²/NDF:4100290.4/34
Out: 7355.263+/-1.161 χ²/NDF:4193517.1/36
All: 7510.065+/-0.833 χ²/NDF: 8330486.0/71



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -140.475+/-680.886 χ^2/NDF:43.2/18

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2955.164+/-668.161 χ^2/NDF:11.3/18

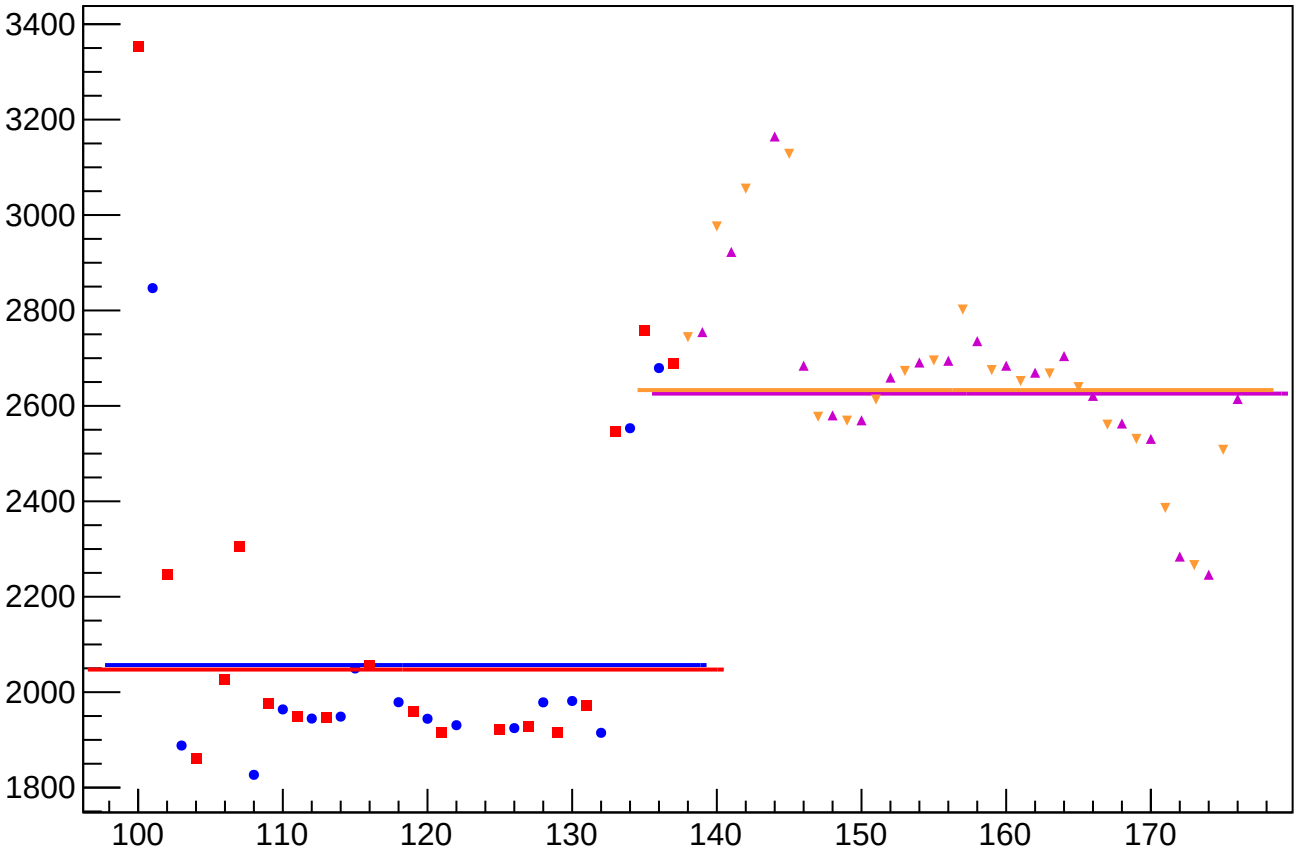
Left: 1436.542+/-476.897 χ^2/NDF: 65.0/37

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2546.692+/-505.645 χ^2/NDF:21.2/34

Out: 922.232+/-510.446 χ^2/NDF:65.4/36

All: 1742.137+/-359.231 χ^2/NDF: 91.7/71



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2633.106+/-0.481 χ^2/NDF:158158.2/18

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2625.738+/-0.472 χ^2/NDF:171915.5/18

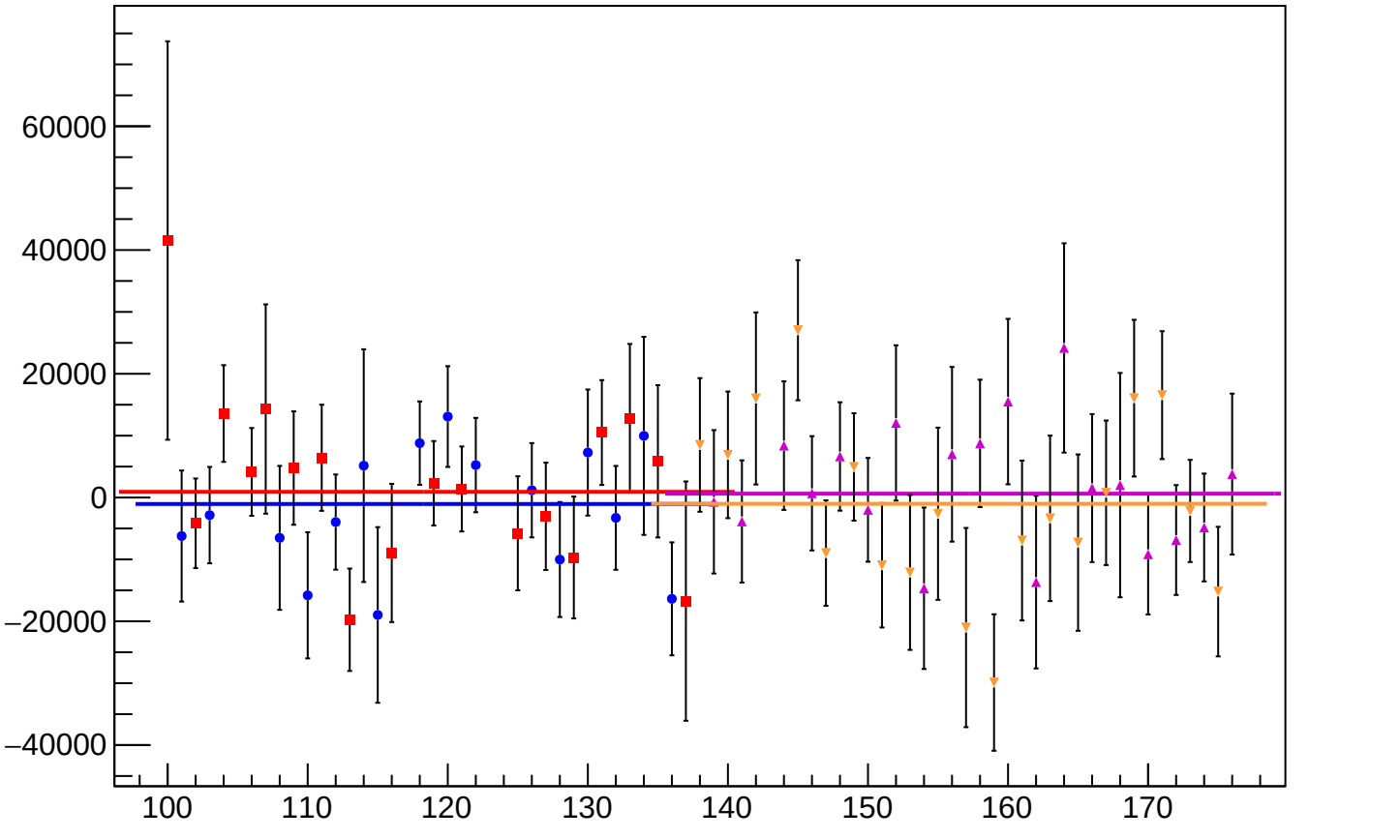
Left: 2629.353+/-0.337 χ^2/NDF: 330193.0/37

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2382.631+/-0.358 χ^2/NDF:1062002.2/34

Out: 2376.142+/-0.361 χ^2/NDF:1003961.7/36

All: 2379.415+/-0.254 χ^2/NDF: 2066127.1/71


asym_atl2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
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−40000
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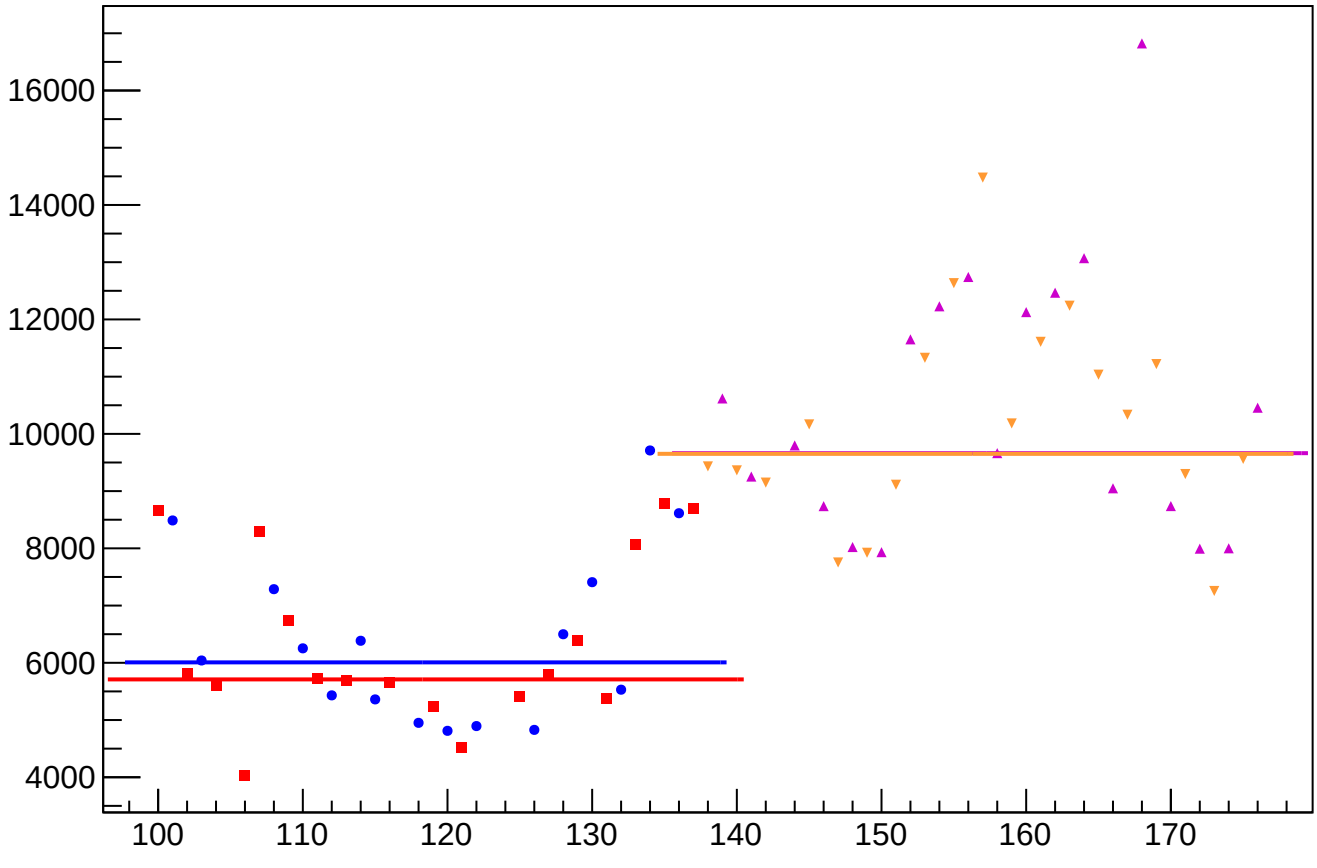
170
Right In: -1042.503+/-2294.600 χ²/NDF: 15.3/15
Left Out: -1011.282+/-2540.996 χ²/NDF:27.6/18
Right Out: 919.667+/-2150.889 χ²/NDF: 18.4/17
Left In: 627.477+/-2505.949 χ²/NDF:10.8/18
Left: -180.523+/-1784.236 χ²/NDF: 38.6/37
Right: 1.948+/-1569.255 χ²/NDF: 34.1/33
In: -280.894+/-1692.321 χ²/NDF:26.4/34
Out: 113.639+/-1641.699 χ²/NDF:46.2/36
All: -77.638+/-1178.347 χ²/NDF: 72.6/71



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9651.584+/-1.797 χ^2/NDF:853884.7/18

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9662.946+/-1.772 χ^2/NDF:1131396.6/18

Left: 9657.344+/-1.262 χ^2/NDF: 1985301.6/37

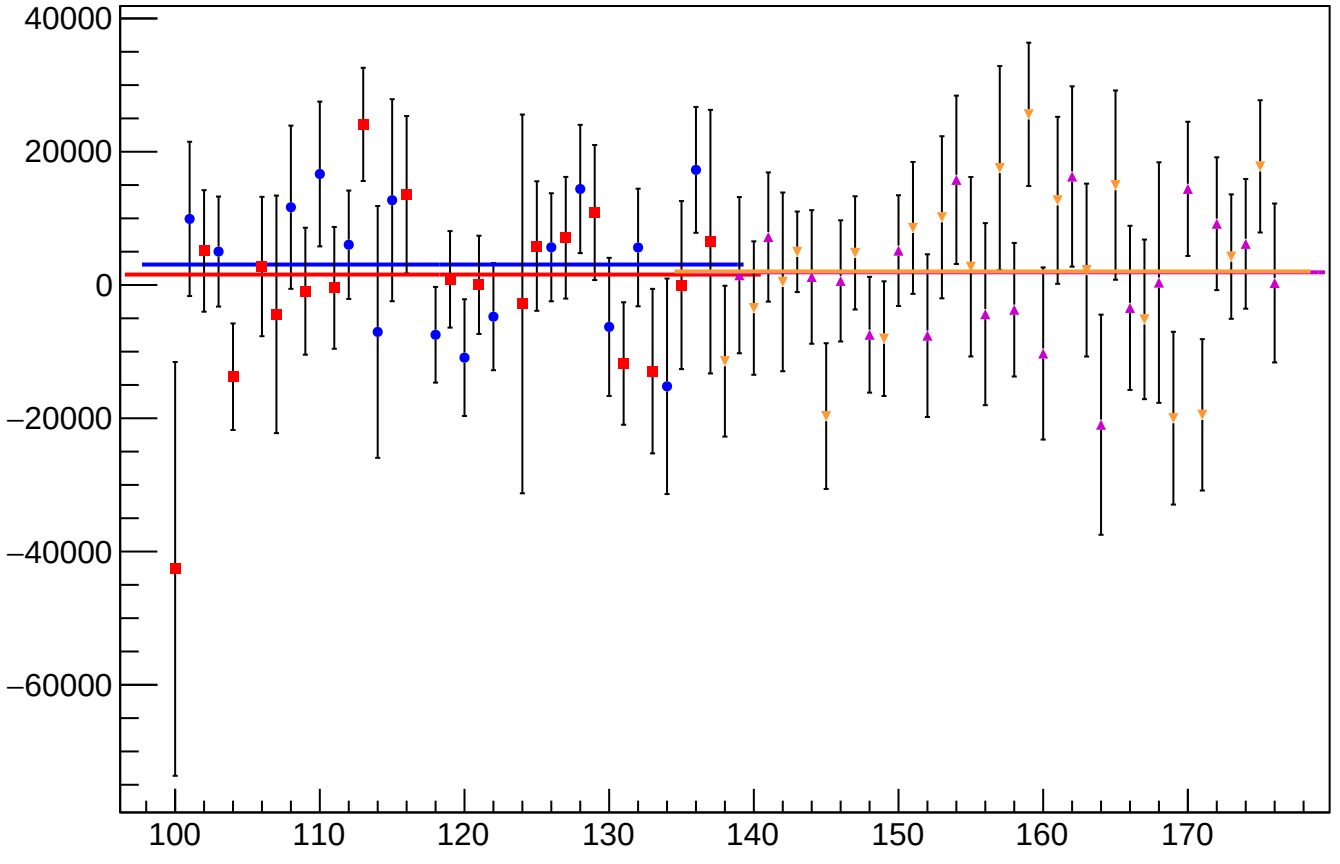
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7674.548+/-1.197 χ^2/NDF:4100346.1/34

Out: 7355.252+/-1.161 χ^2/NDF:4193569.9/36

All: 7510.053+/-0.833 χ^2/NDF: 8330594.4/71

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2033.881+/-2348.001 χ^2/NDF:25.1/19

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1903.857+/-2513.582 χ^2/NDF:10.4/18

Left: 1973.292+/-1715.841 χ^2/NDF: 35.5/38

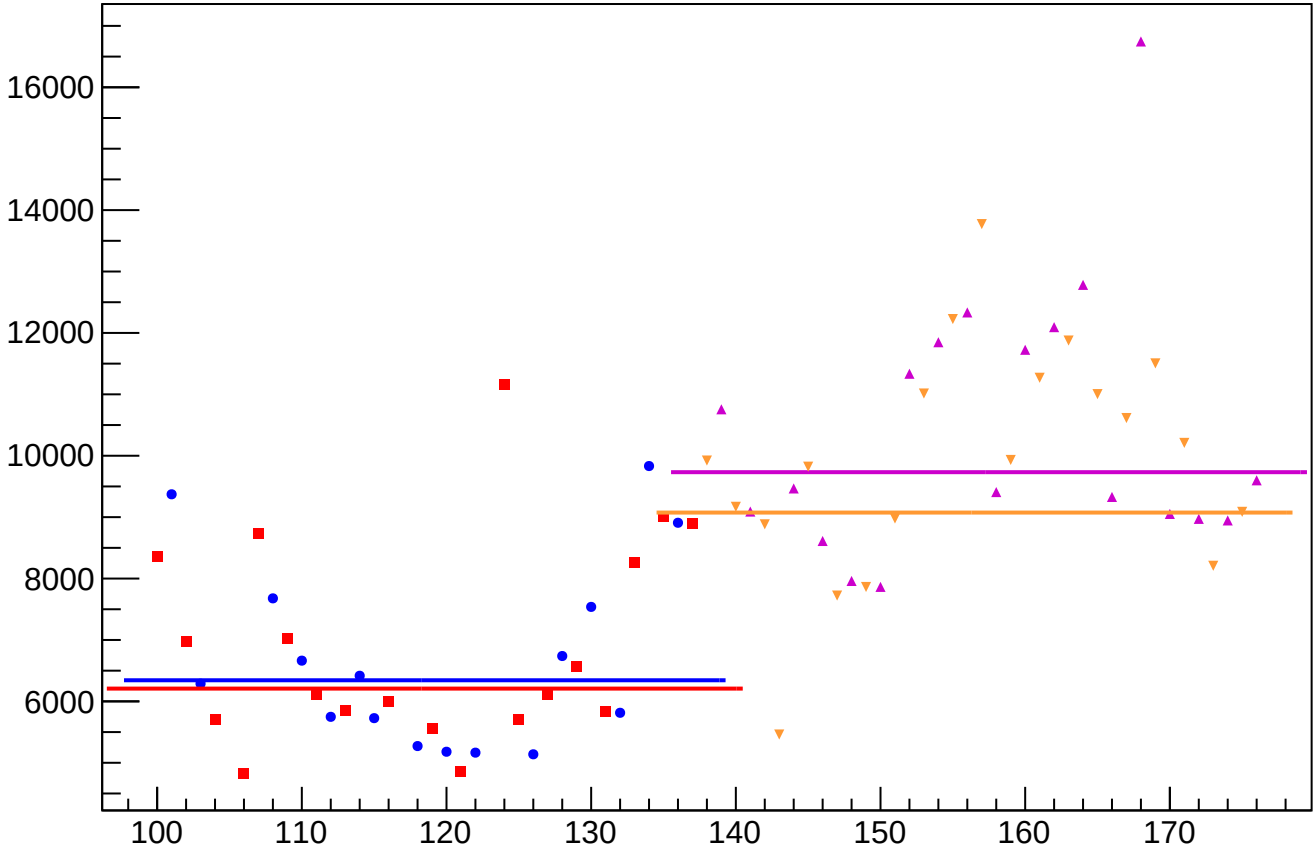
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2509.019+/-1743.613 χ^2/NDF:25.4/34

Out: 1799.277+/-1655.987 χ^2/NDF:44.3/38

All: 2135.866+/-1200.743 χ^2/NDF: 69.8/73

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.749+/-1.660 χ^2/NDF:1520126.8/19

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9732.350+/-1.777 χ^2/NDF:920109.1/18

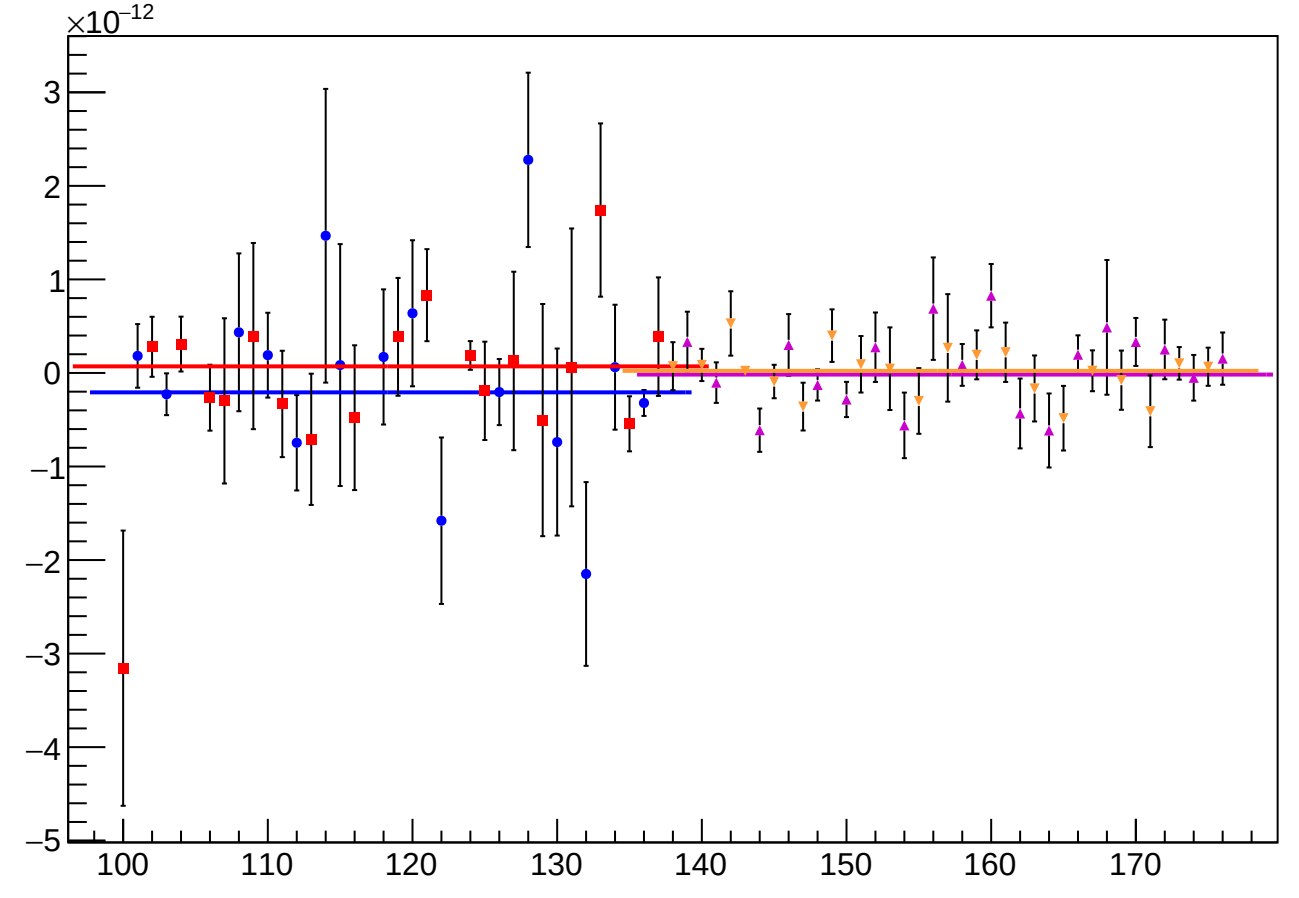
Left: 9381.178+/-1.213 χ^2/NDF: 2513337.4/38

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7974.322+/-1.233 χ^2/NDF:3427099.0/34

Out: 7634.004+/-1.171 χ^2/NDF:3490254.6/38

All: 7795.397+/-0.849 χ^2/NDF: 6957411.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.4/18

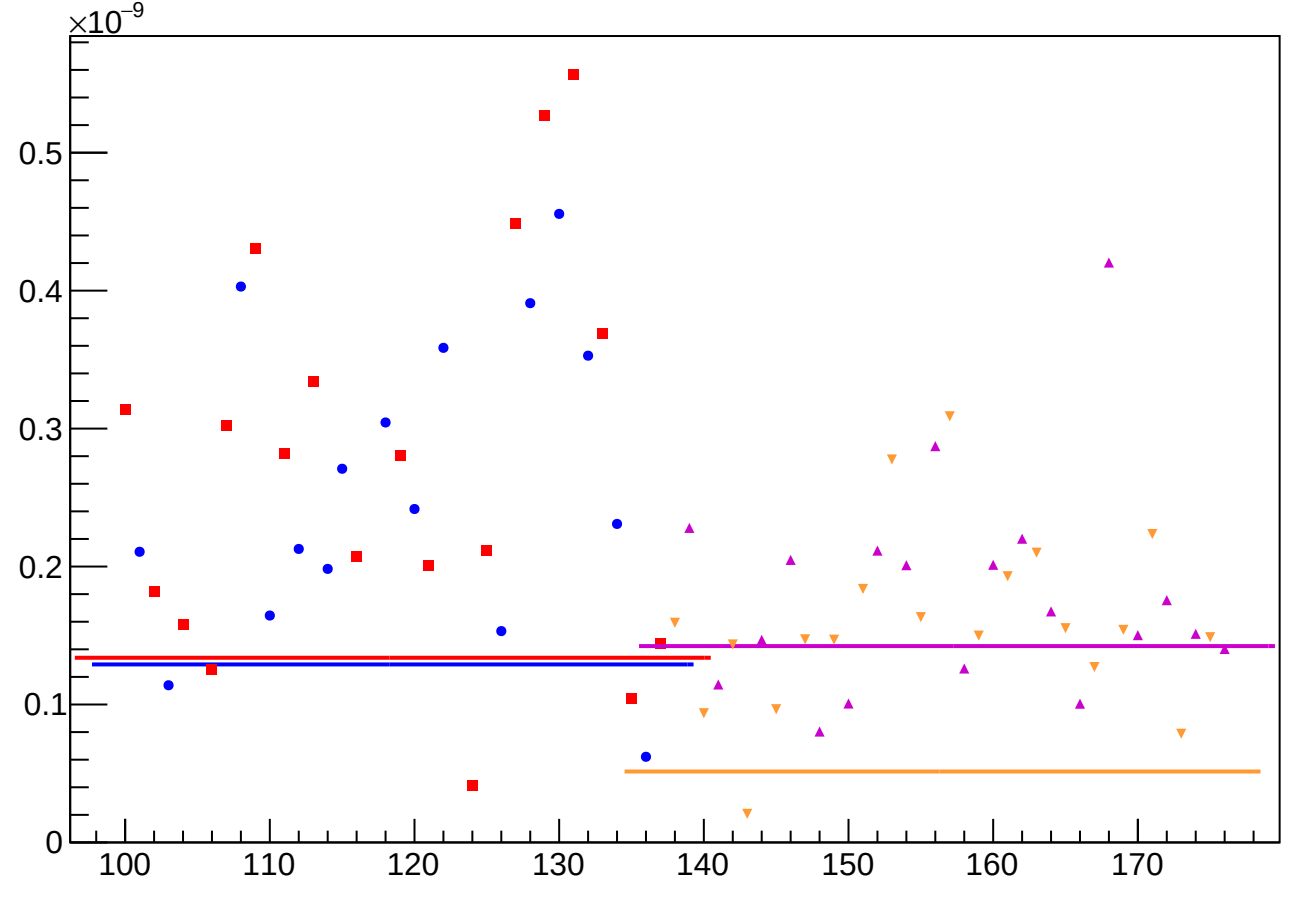
Left: 0.000+/-0.000 χ^2/NDF: 43.5/38

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:54.2/34

Out: 0.000+/-0.000 χ^2/NDF:33.8/38

All: 0.000+/-0.000 χ^2/NDF: 90.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6884107.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1457624.3/18

Left: 0.000+/-0.000 χ^2/NDF: 11840403.5/38

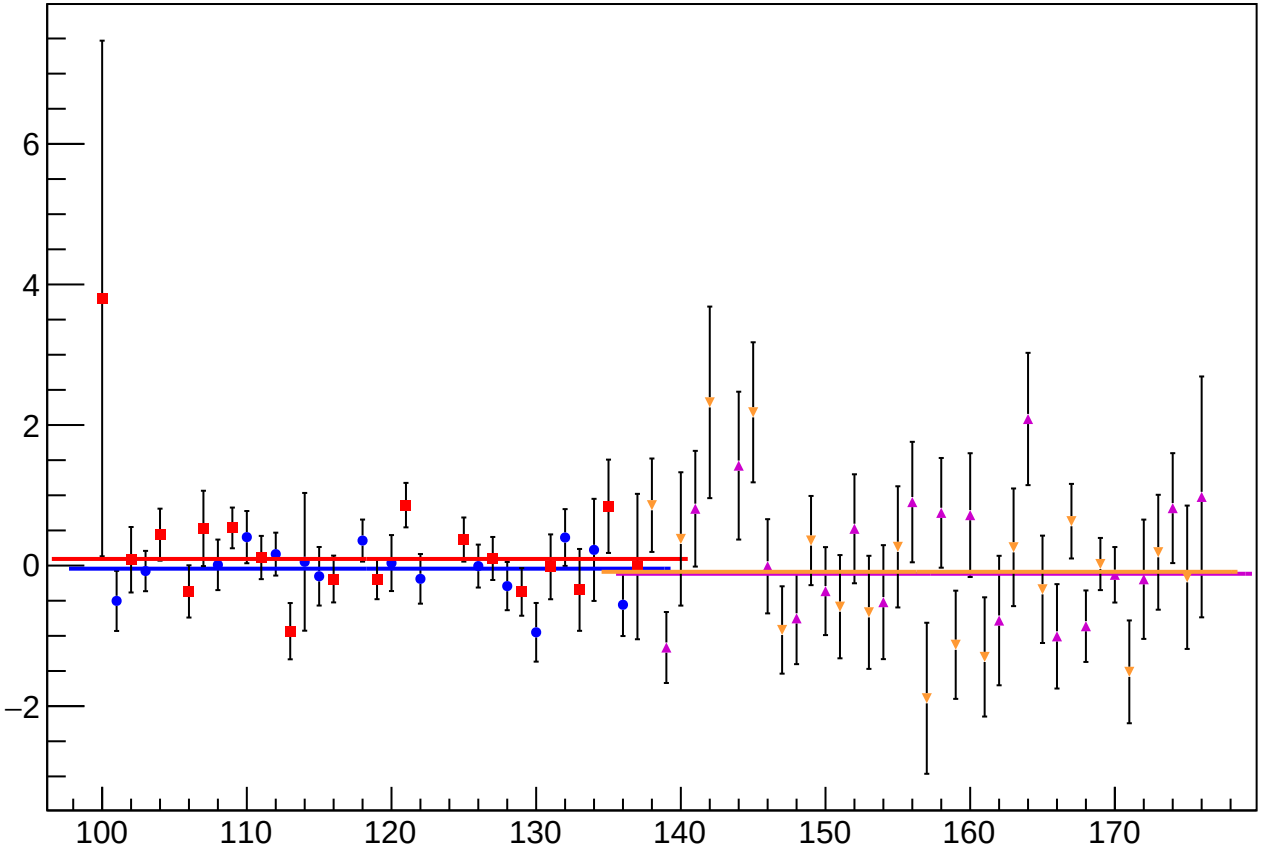
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3205424.8/34

Out: 0.000+/-0.000 χ^2/NDF:10535106.7/38

All: 0.000+/-0.000 χ^2/NDF: 17317574.1/73

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

Left: -0.103+/-0.115 χ^2/NDF: 51.5/37

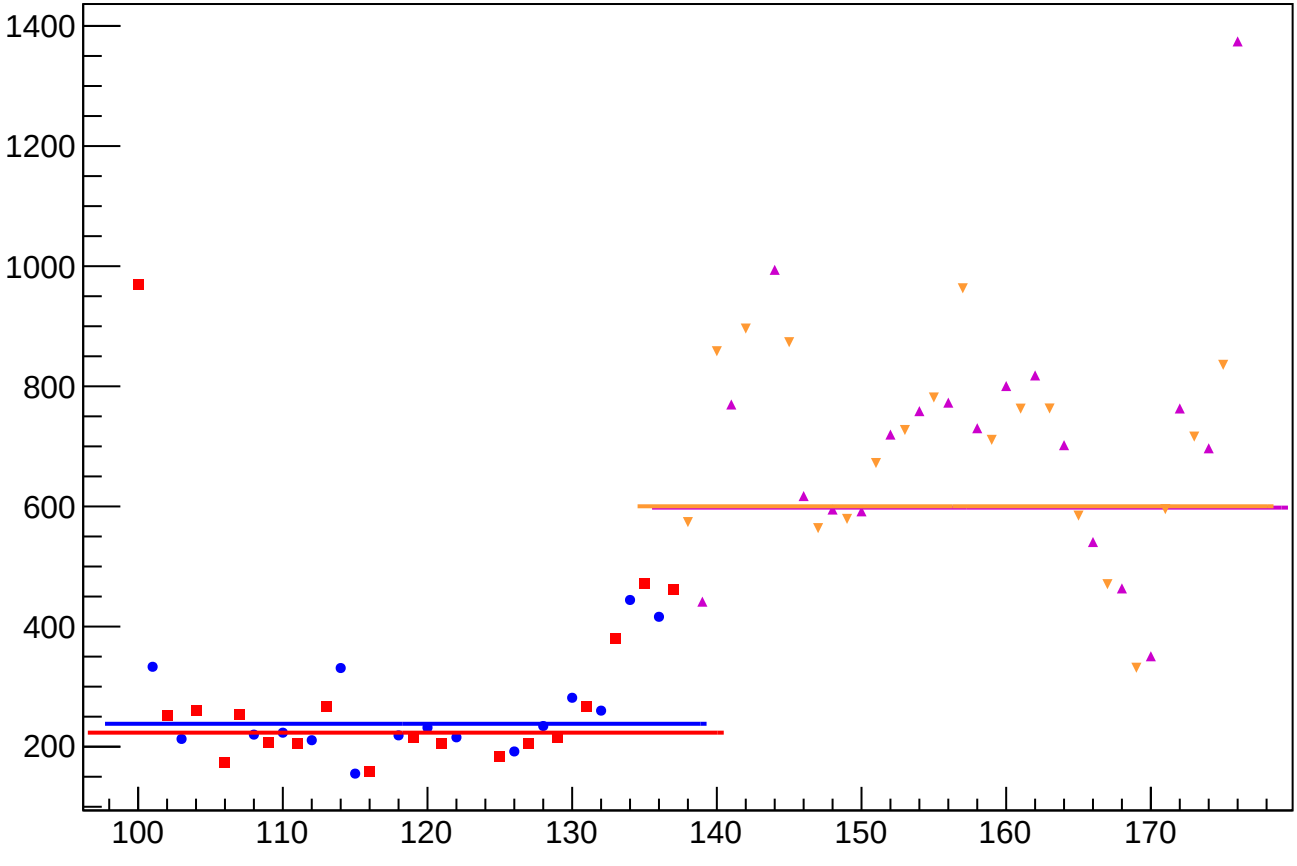
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.052+/-0.079 χ^2/NDF:53.0/36

All: -0.004+/-0.057 χ^2/NDF: 92.0/71

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: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

Left: 599.129+/-0.081 χ^2/NDF: 4829546.0/37

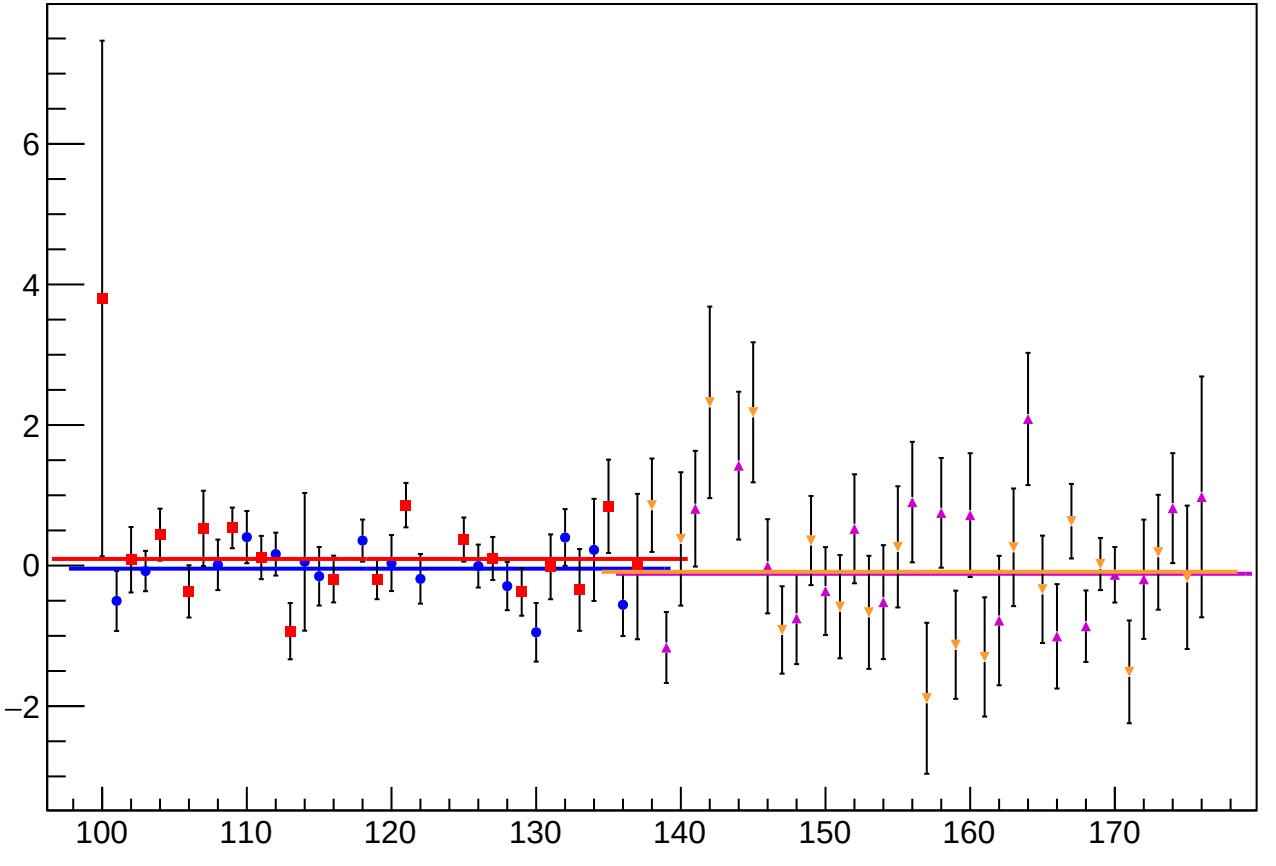
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 329.524+/-0.057 χ^2/NDF:10813326.6/34

Out: 310.264+/-0.056 χ^2/NDF:11237577.1/36

All: 319.648+/-0.040 χ^2/NDF: 22108855.0/71

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

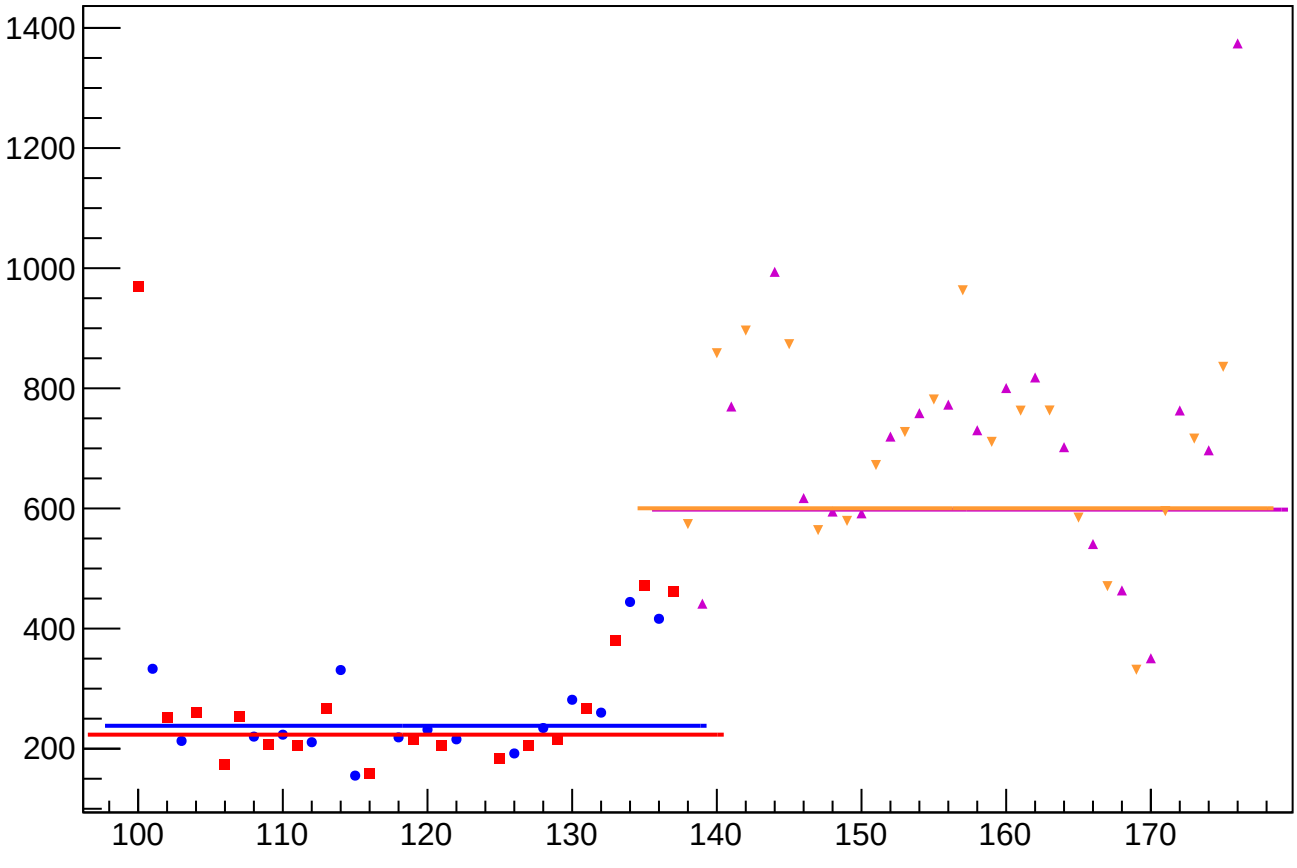
Left: -0.103+/-0.115 χ^2/NDF: 51.5/37

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.052+/-0.079 χ^2/NDF:53.0/36

All: -0.004+/-0.057 χ^2/NDF: 92.0/71



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 600.261+/-0.116 χ^2/NDF:2297107.4/18

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

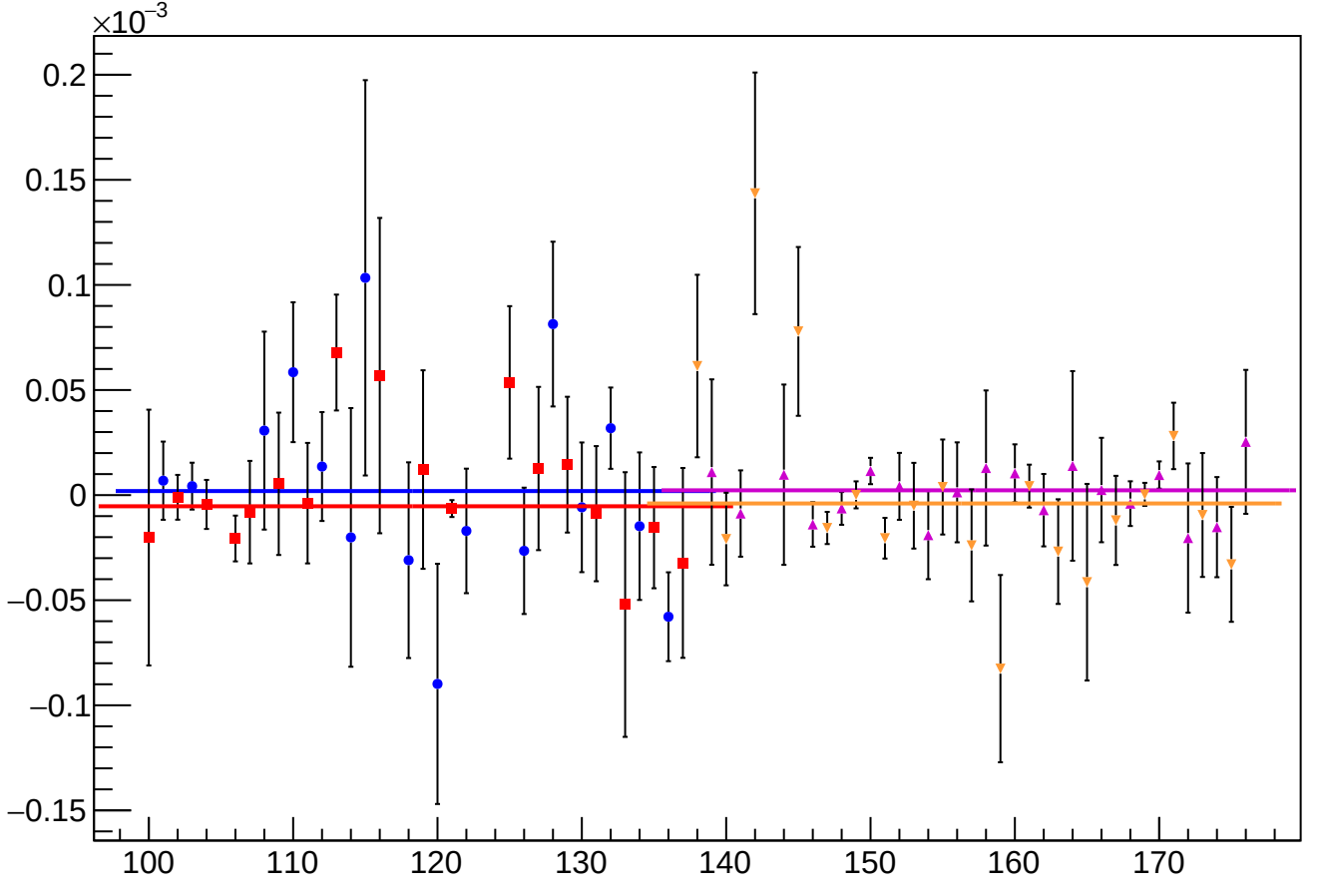
Left: 599.129+/-0.081 χ^2/NDF: 4829546.0/37

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 329.524+/-0.057 χ^2/NDF:10813326.6/34

Out: 310.264+/-0.056 χ^2/NDF:11237577.1/36

All: 319.648+/-0.040 χ^2/NDF: 22108855.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/18

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

Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

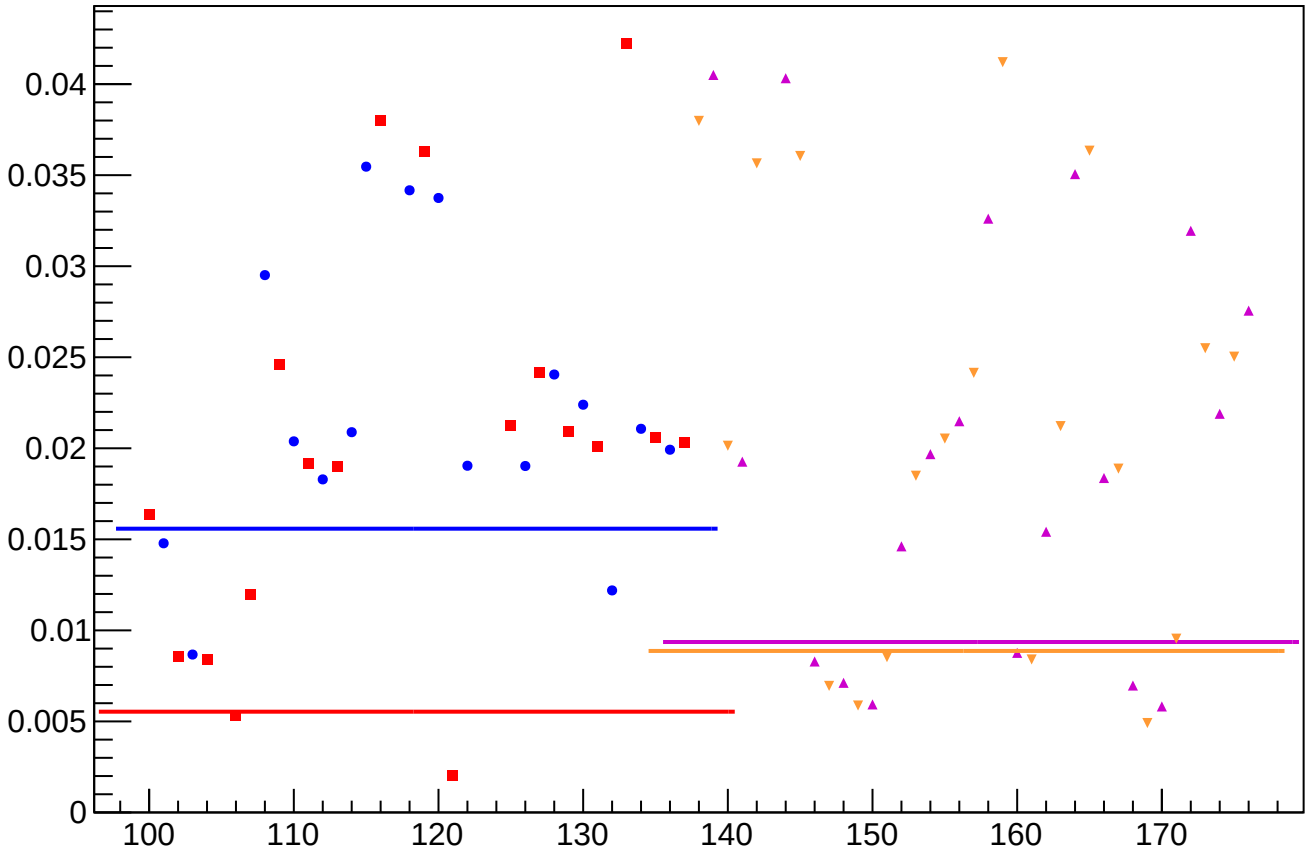
Left: -0.000+/-0.000 χ^2/NDF: 44.4/37

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:35.0/34

Out: -0.000+/-0.000 χ^2/NDF:45.9/36

All: -0.000+/-0.000 χ^2/NDF: 84.7/71



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10043243.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:9092025.3/18

Left: 0.009+/-0.000 χ^2/NDF: 19162448.0/37

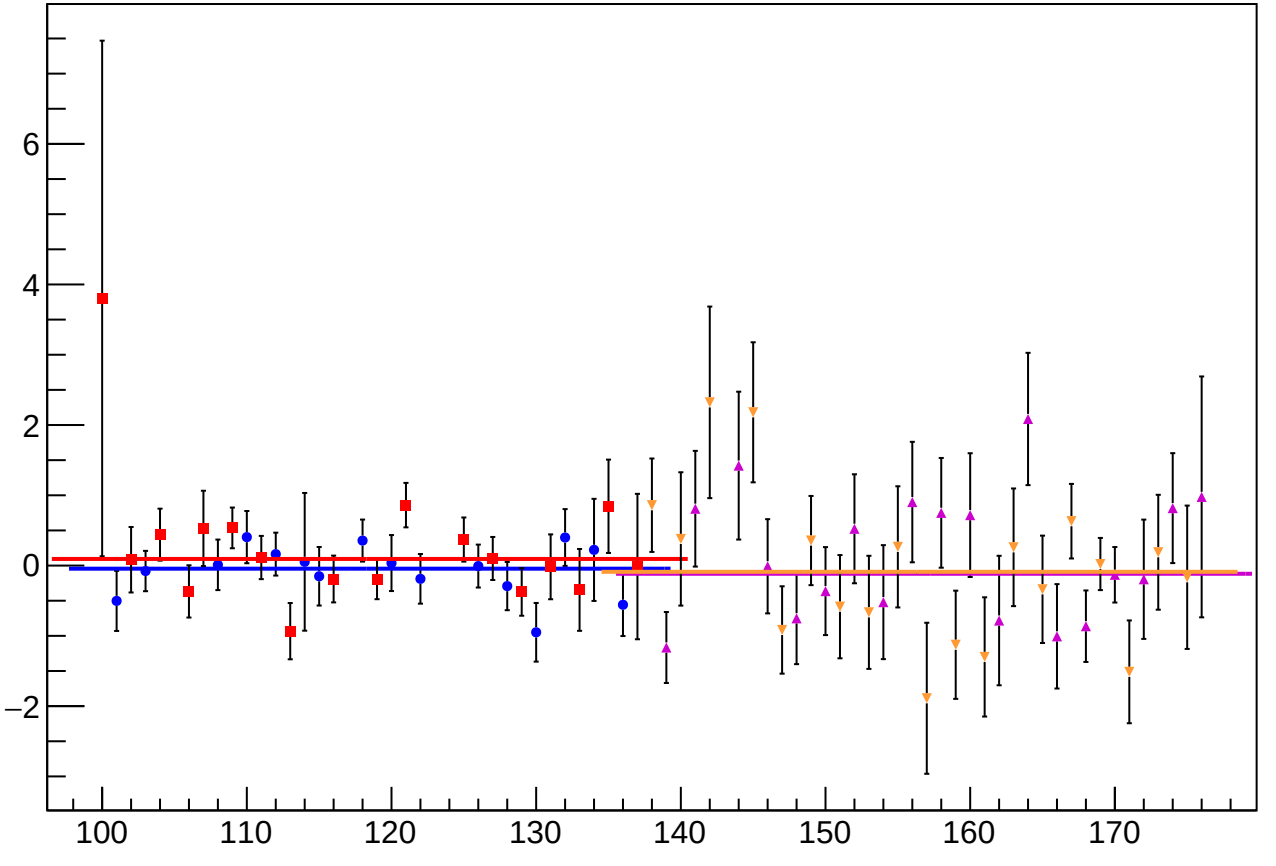
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:12723059.0/34

Out: 0.007+/-0.000 χ^2/NDF:19176273.3/36

All: 0.009+/-0.000 χ^2/NDF: 33545171.4/71

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

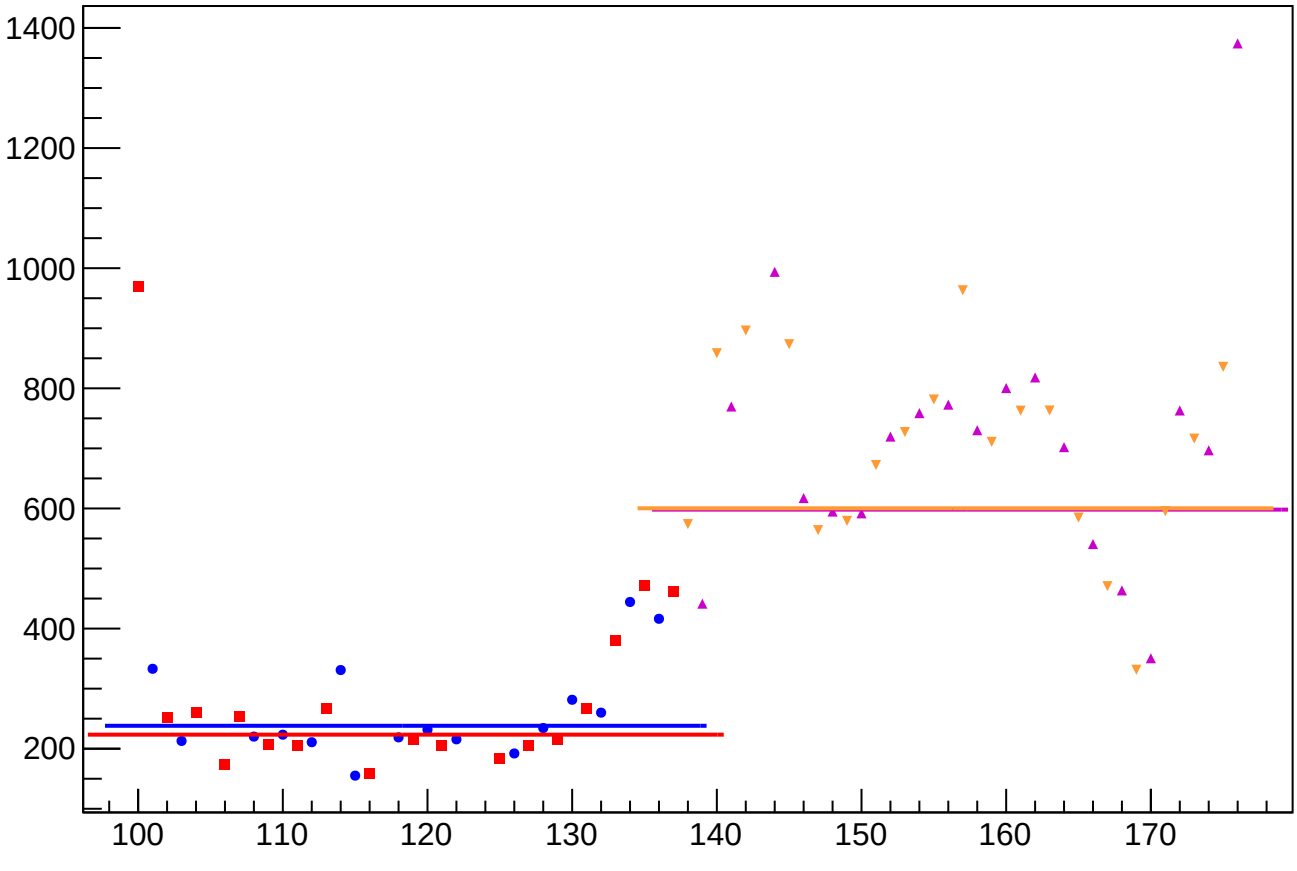
Left: -0.103+/-0.115 χ^2/NDF: 51.5/37

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.052+/-0.079 χ^2/NDF:53.0/36

All: -0.004+/-0.057 χ^2/NDF: 92.0/71



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 600.265+/-0.116 χ^2/NDF:2297155.5/18

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 598.053+/-0.114 χ^2/NDF:2532231.4/18

Left: 599.134+/-0.081 χ^2/NDF: 4829571.7/37

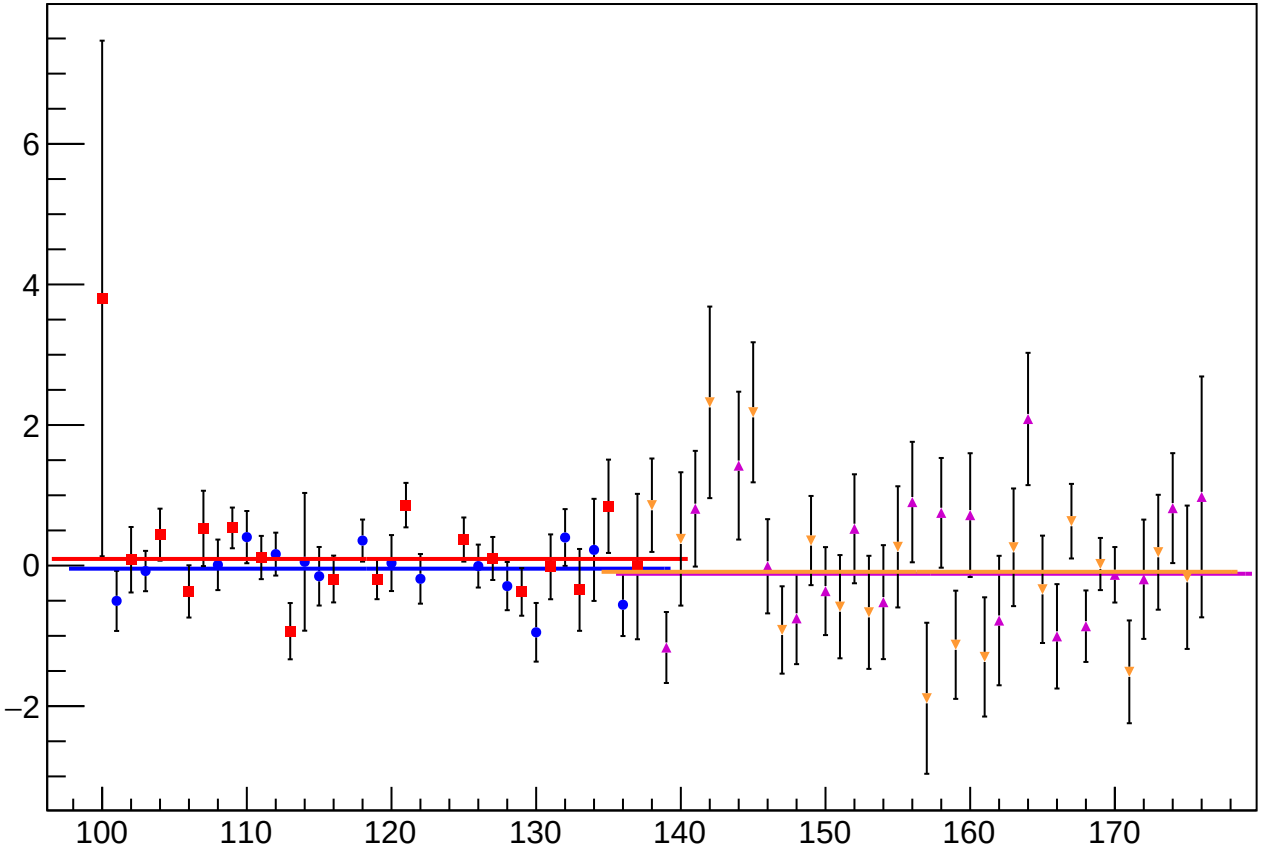
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 329.525+/-0.057 χ^2/NDF:10813372.8/34

Out: 310.265+/-0.056 χ^2/NDF:11237556.4/36

All: 319.649+/-0.040 χ^2/NDF: 22108876.2/71

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.089+/-0.164 χ^2/NDF:26.8/18

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

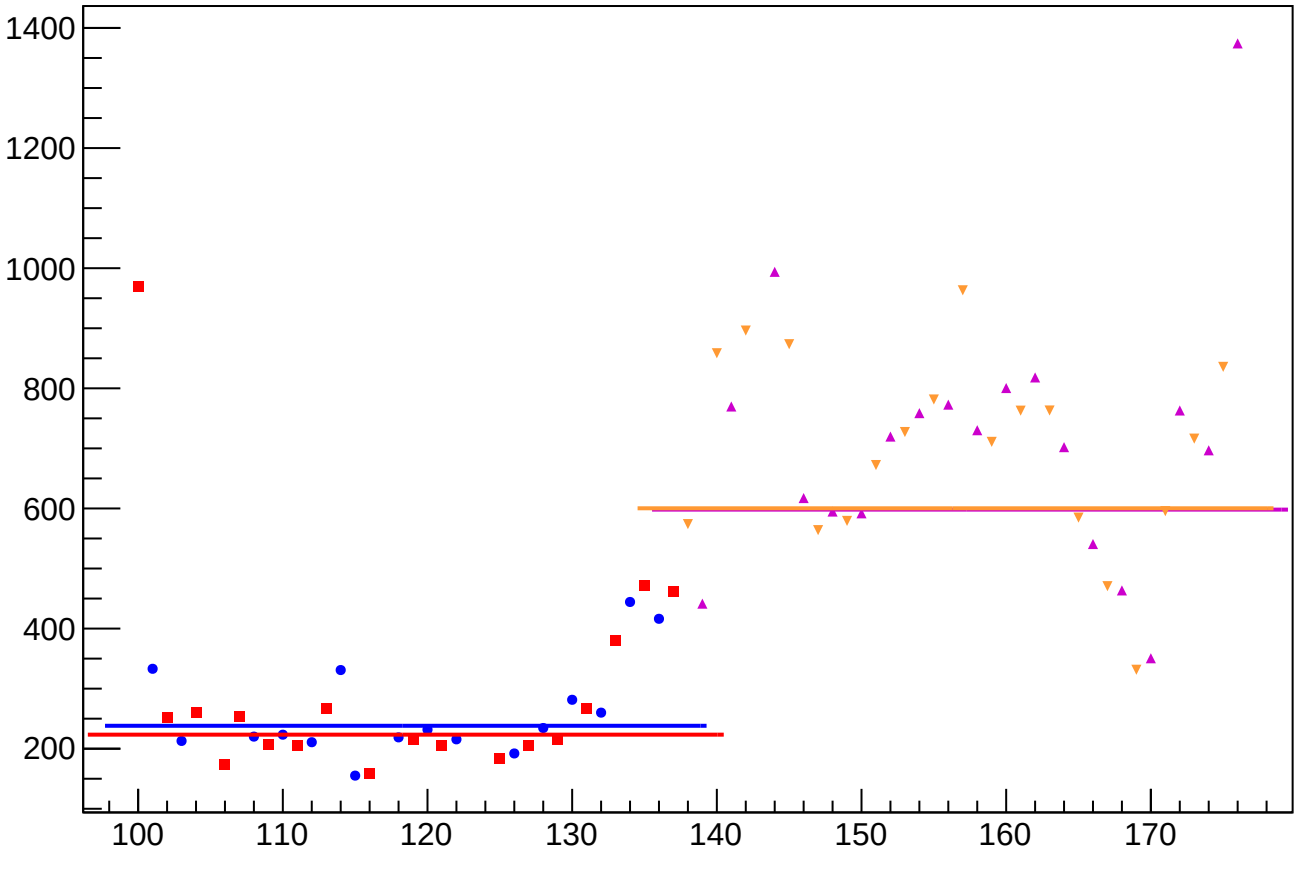
Left: -0.103+/-0.115 χ^2/NDF: 51.5/37

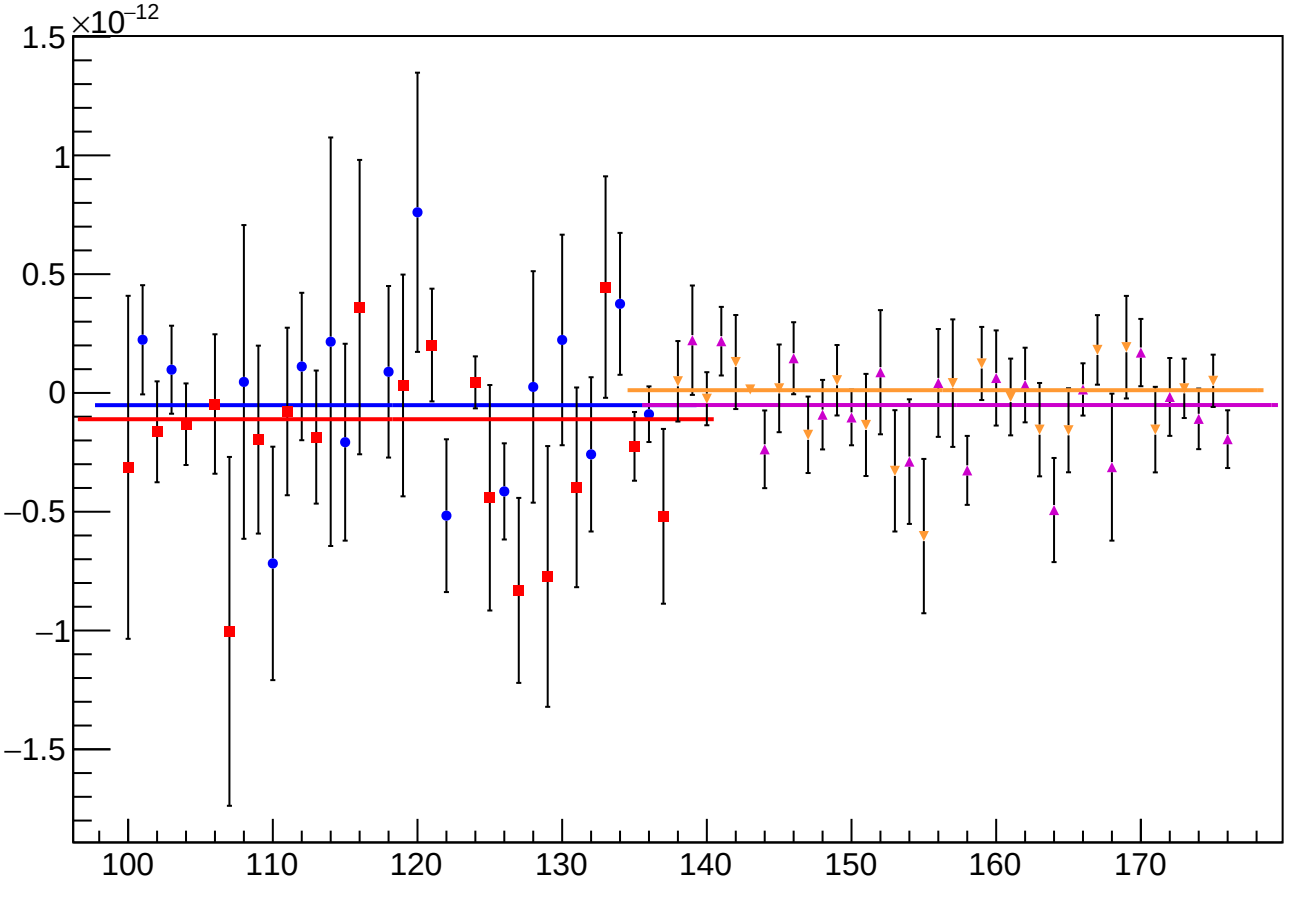
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.052+/-0.079 χ^2/NDF:53.0/36

All: -0.004+/-0.057 χ^2/NDF: 92.0/71


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 600.265+/-0.116 χ²/NDF:2297155.5/18
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 598.053+/-0.114 χ²/NDF:2532231.4/18
Left: 599.134+/-0.081 χ²/NDF: 4829571.7/37
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 329.525+/-0.057 χ²/NDF:10813372.8/34
Out: 310.265+/-0.056 χ²/NDF:11237556.4/36
All: 319.649+/-0.040 χ²/NDF: 22108876.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/18

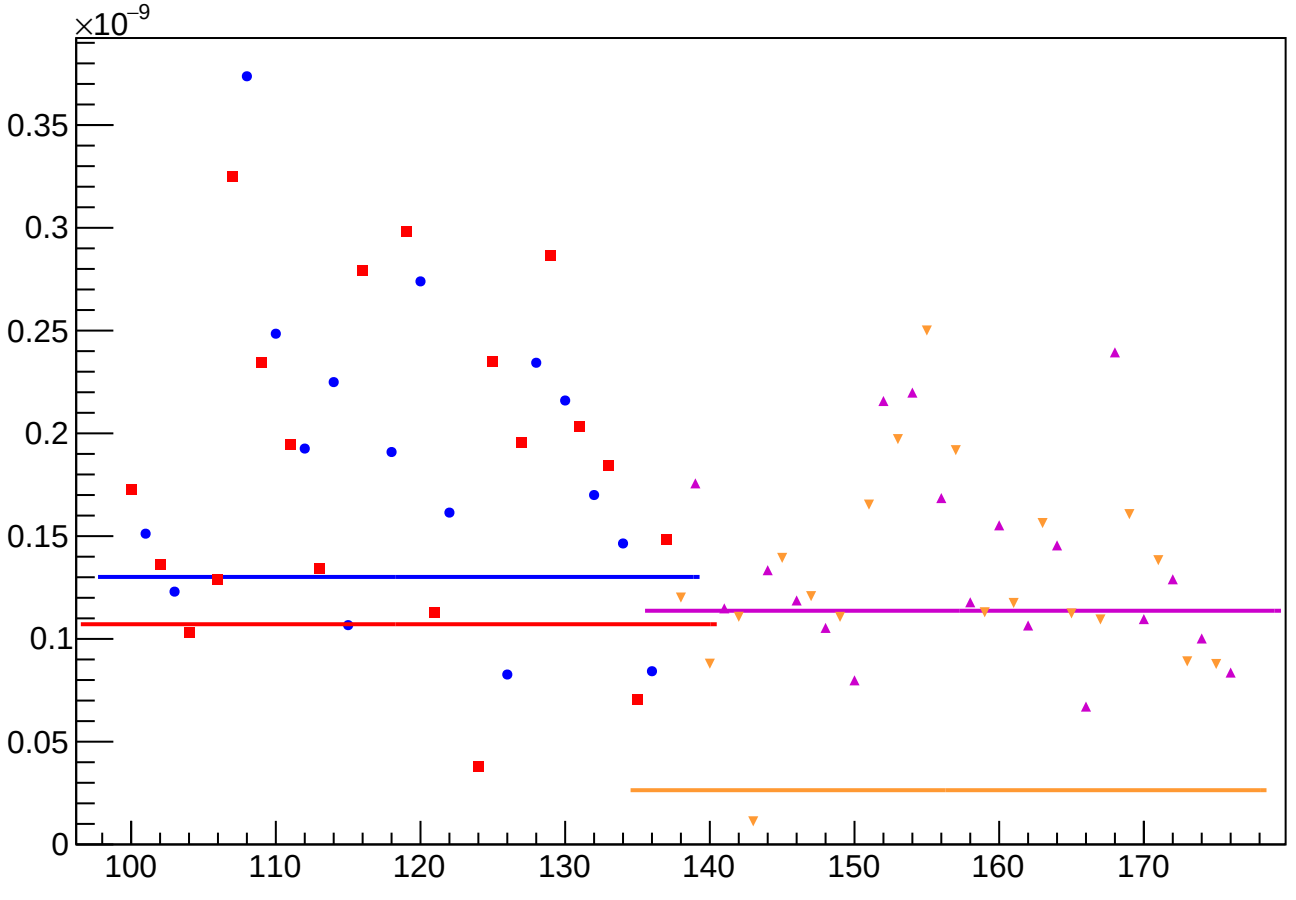
Left: 0.000+/-0.000 χ^2/NDF: 38.4/38

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:37.6/34

Out: 0.000+/-0.000 χ^2/NDF:32.4/38

All: -0.000+/-0.000 χ^2/NDF: 72.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14970732.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2085745.8/18

Left: 0.000+/-0.000 χ^2/NDF: 27073931.7/38

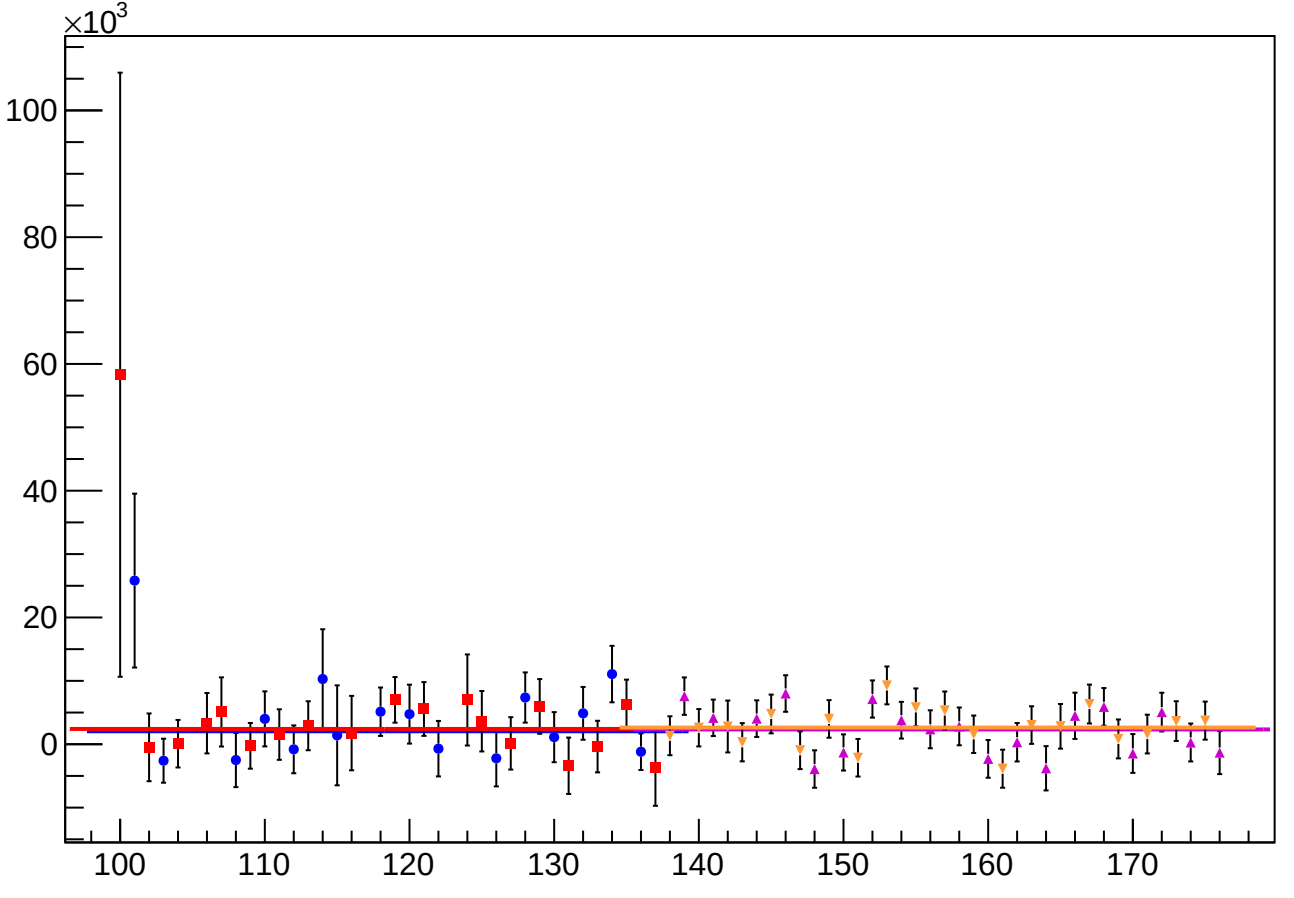
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3512204.2/34

Out: 0.000+/-0.000 χ^2/NDF:21162676.1/38

All: 0.000+/-0.000 χ^2/NDF: 37003886.9/73

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.596+/-685.824 χ^2/NDF:19.4/19

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2334.135+/-693.981 χ^2/NDF:28.5/18

Left: 2483.612+/-487.809 χ^2/NDF: 48.0/38

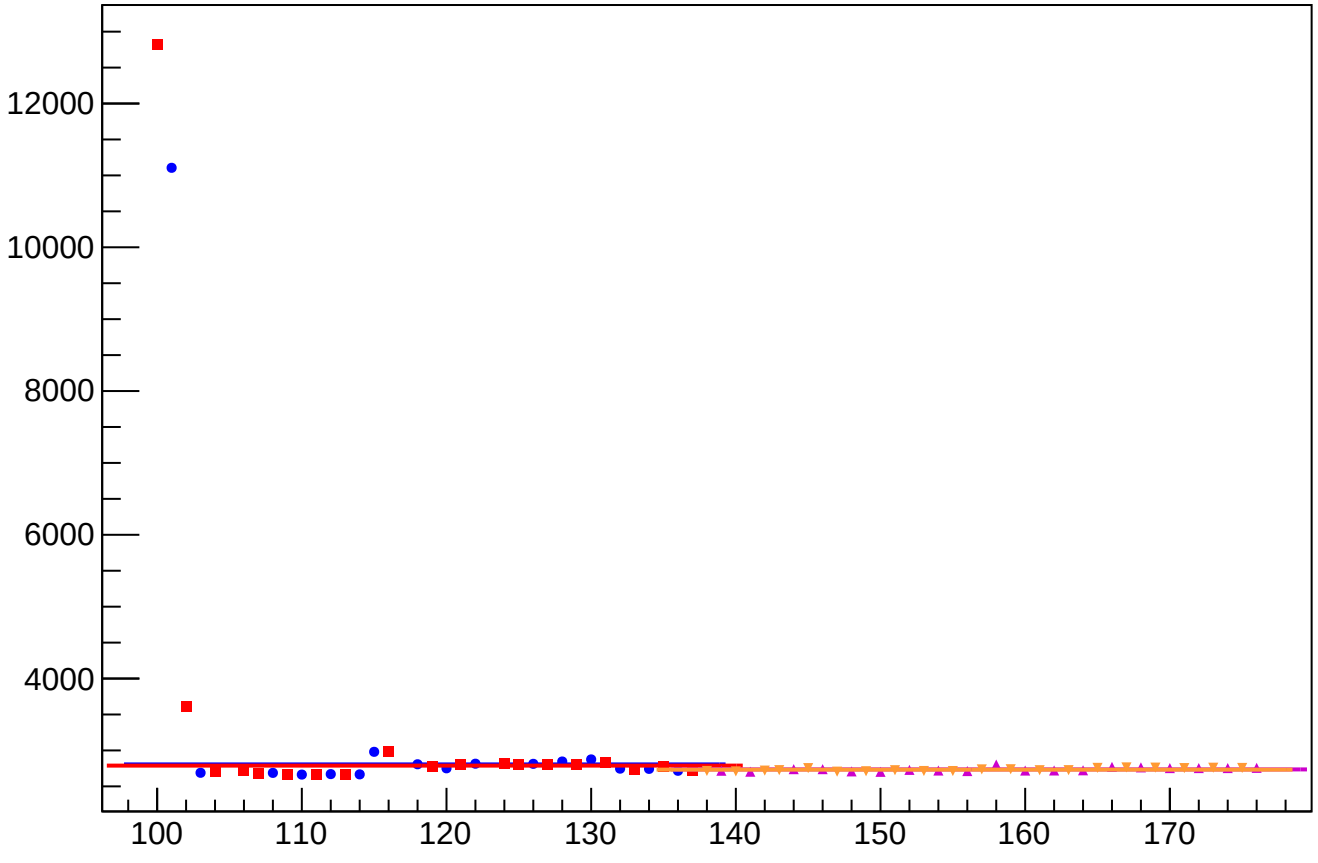
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2249.896+/-582.305 χ^2/NDF:46.4/34

Out: 2563.204+/-571.782 χ^2/NDF:30.2/38

All: 2409.407+/-407.980 χ^2/NDF: 76.7/73

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

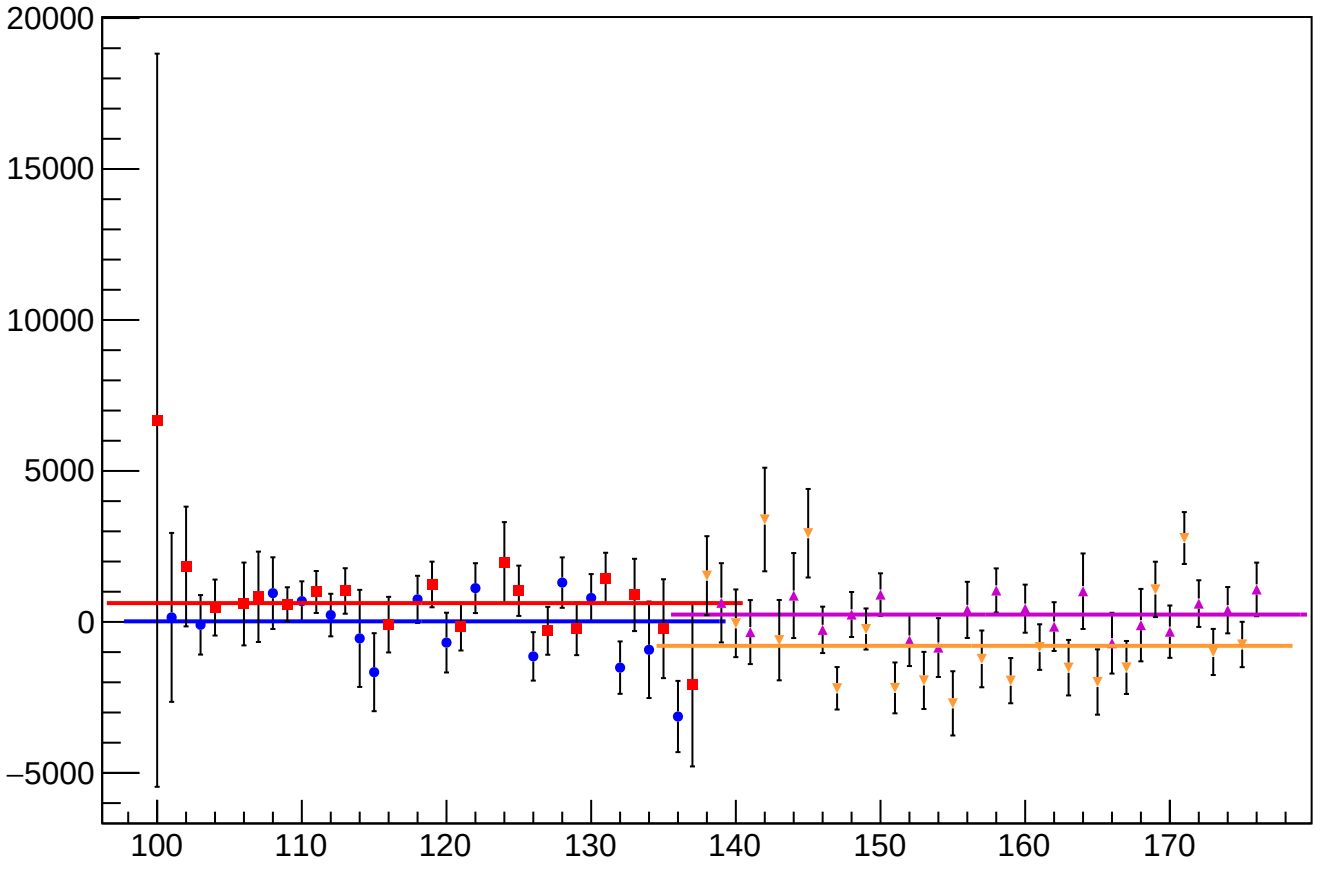
Left: 2734.238+/-0.345 χ^2/NDF: 4483.8/38

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.423+/-0.412 χ^2/NDF:754984.4/34

Out: 2749.809+/-0.404 χ^2/NDF:152760.3/38

All: 2753.056+/-0.288 χ^2/NDF: 907876.1/73



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -791.625+/-202.538 χ^2/NDF:54.7/19

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 243.578+/-202.559 χ^2/NDF:8.6/18

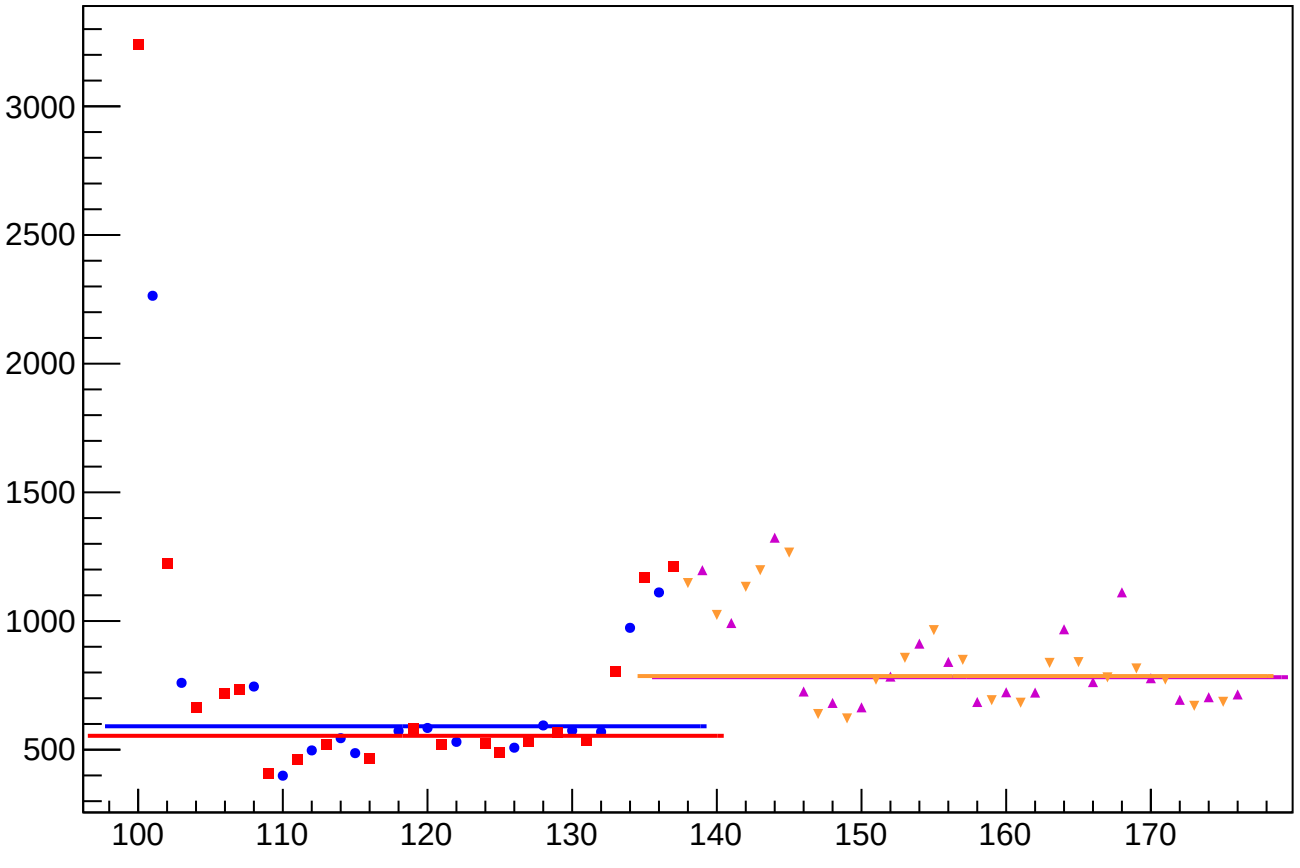
Left: -274.077+/-143.224 χ^2/NDF: 76.4/38

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 147.128+/-153.005 χ^2/NDF:31.9/34

Out: -129.545+/-147.730 χ^2/NDF:86.8/38

All: 3.940+/-106.276 χ^2/NDF: 120.4/73



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.146+/-0.143 χ^2/NDF:1175404.0/19

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 781.673+/-0.143 χ^2/NDF:1032590.6/18

Left: 783.910+/-0.101 χ^2/NDF: 2208482.1/38

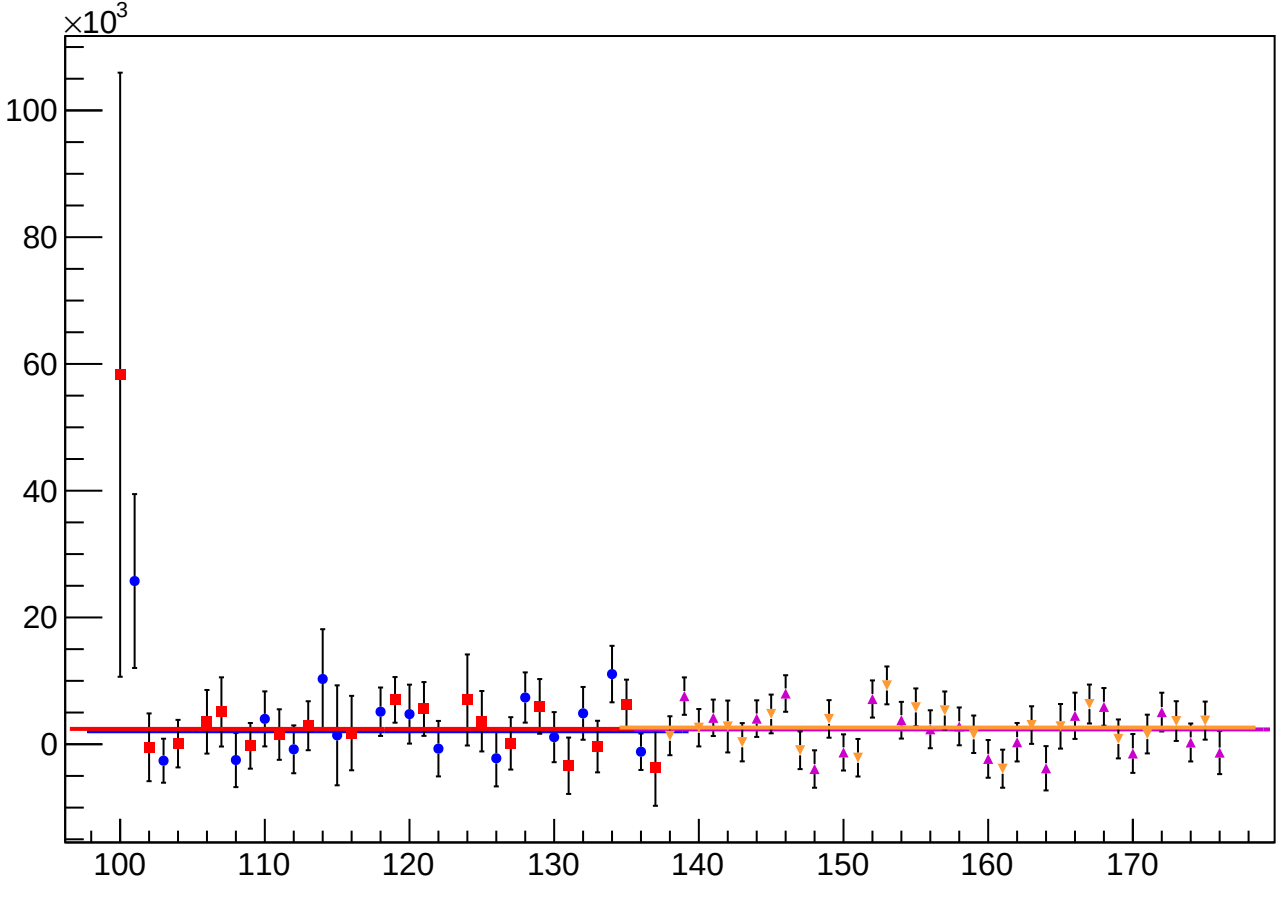
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.809+/-0.108 χ^2/NDF:3360959.1/34

Out: 677.495+/-0.104 χ^2/NDF:3522137.4/38

All: 688.261+/-0.075 χ^2/NDF: 6905110.4/73

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2334.201+/-693.981 χ^2/NDF:28.5/18

Left: 2483.649+/-487.809 χ^2/NDF: 48.0/38

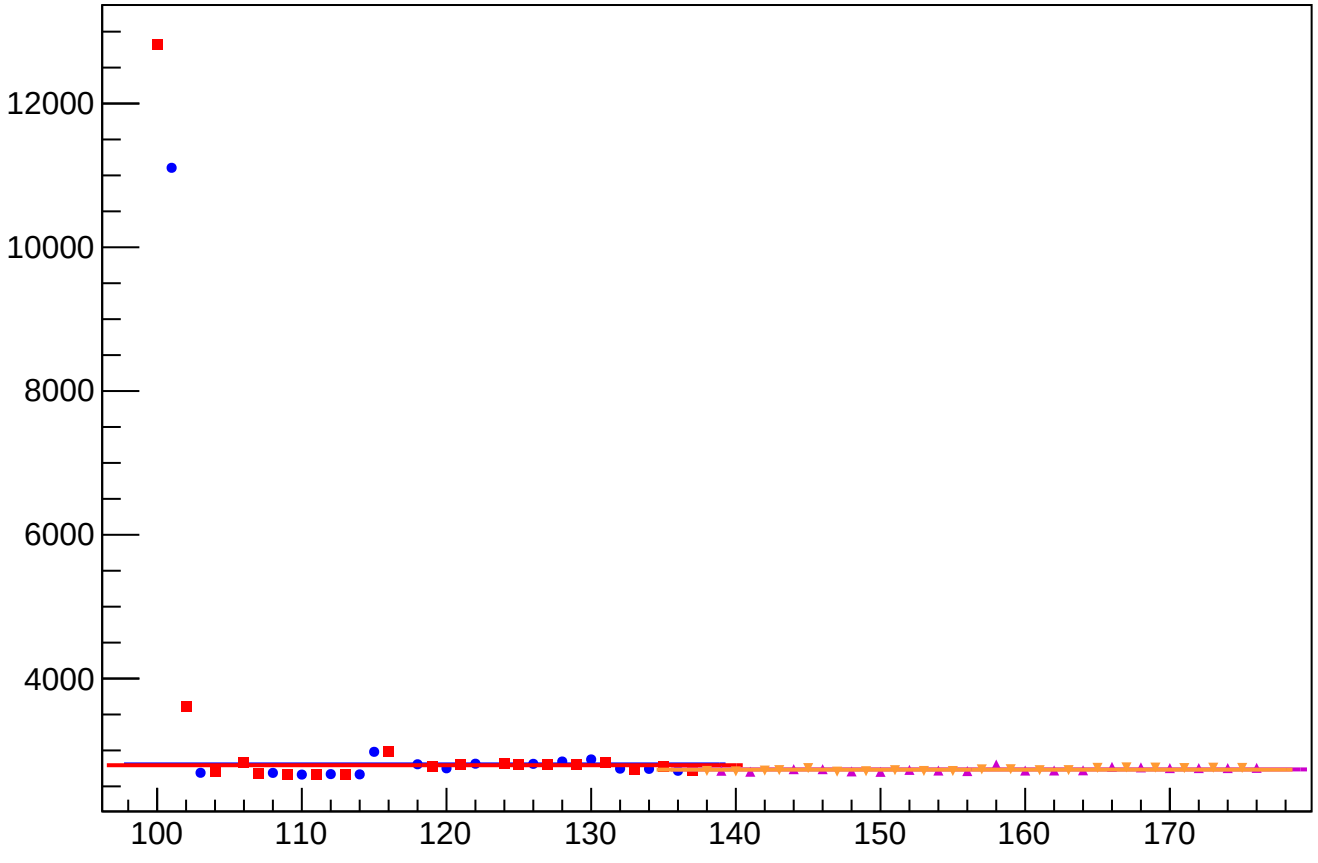
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2249.704+/-582.305 χ^2/NDF:46.4/34

Out: 2565.261+/-572.182 χ^2/NDF:30.2/38

All: 2410.249+/-408.126 χ^2/NDF: 76.7/73

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

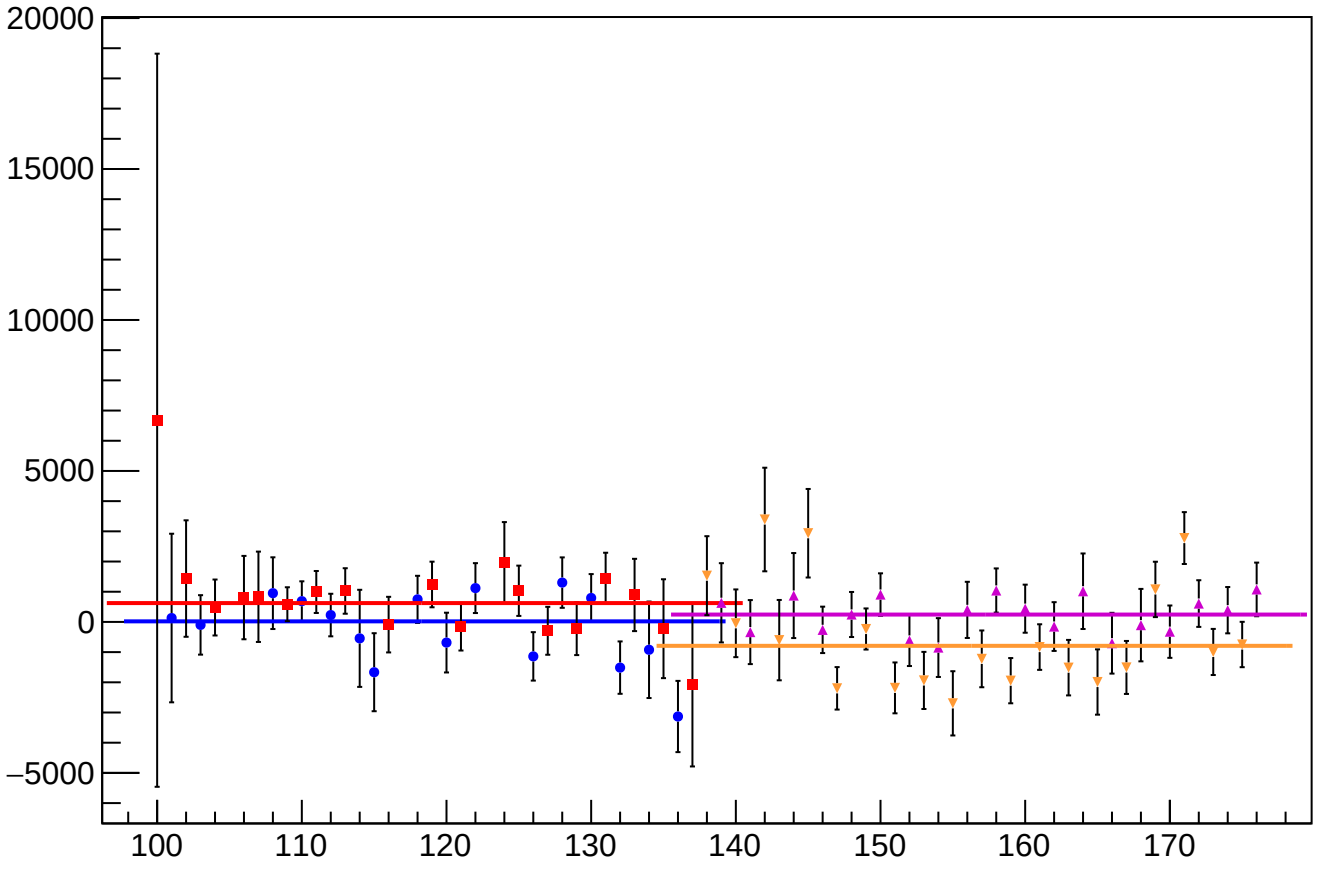
Left: 2734.238+/-0.345 χ^2/NDF: 4483.8/38

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.423+/-0.412 χ^2/NDF:754983.5/34

Out: 2751.376+/-0.405 χ^2/NDF:153304.2/38

All: 2753.856+/-0.289 χ^2/NDF: 908364.2/73



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 243.691+/-202.560 χ^2/NDF:8.6/18

Left: -274.006+/-143.223 χ^2/NDF: 76.4/38

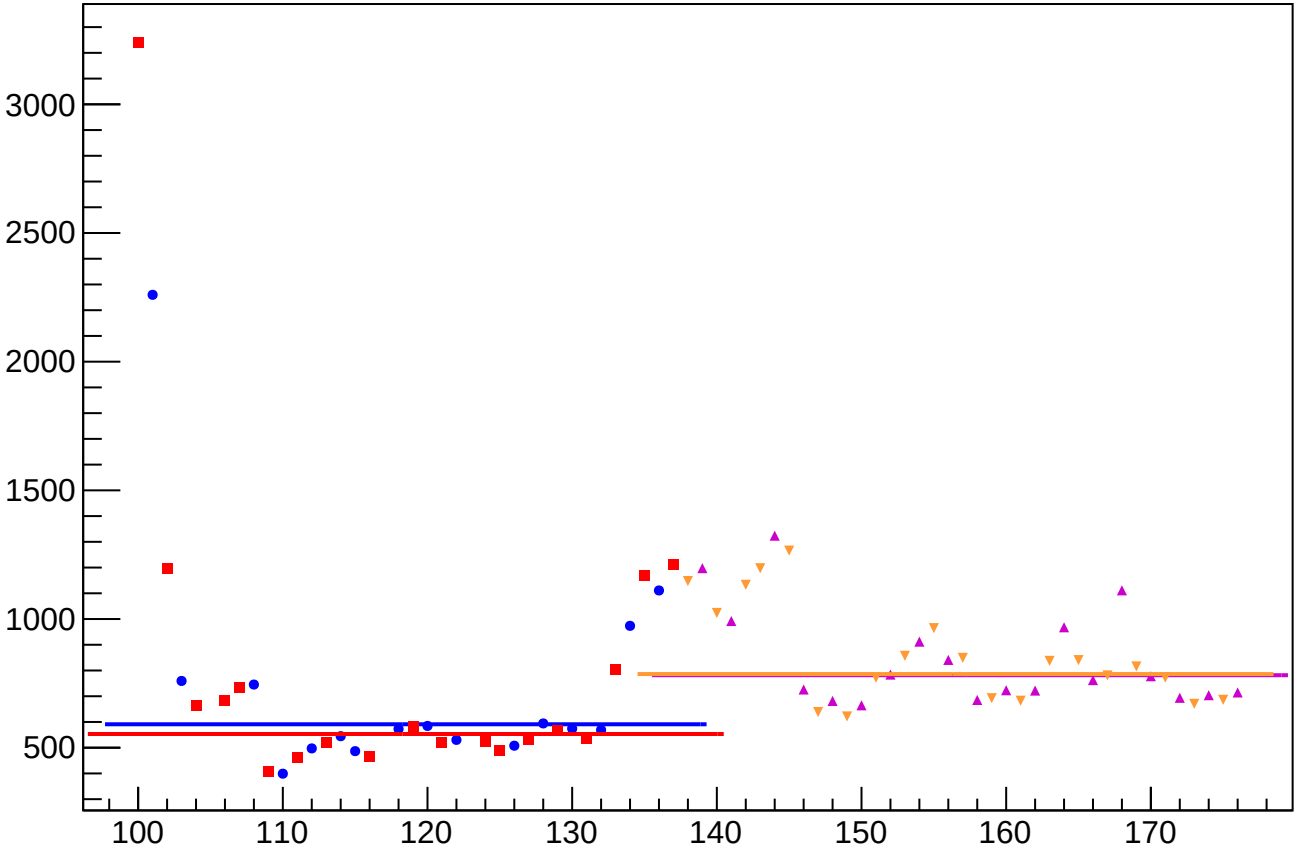
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 147.169+/-153.001 χ^2/NDF:31.9/34

Out: -128.858+/-147.714 χ^2/NDF:86.7/38

All: 4.304+/-106.270 χ^2/NDF: 120.3/73

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

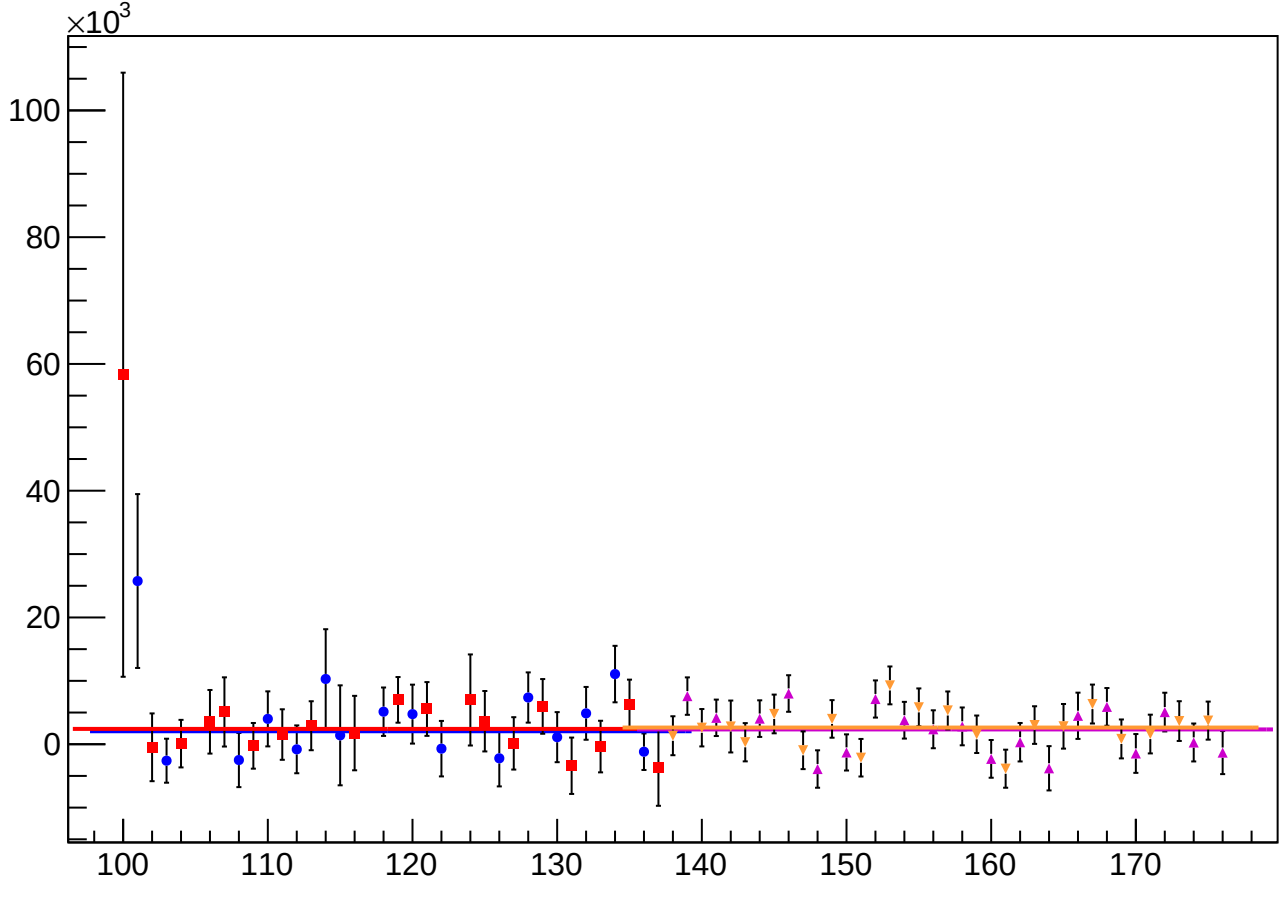
Left: 783.908+/-0.101 χ^2/NDF: 2208429.6/38

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.804+/-0.108 χ^2/NDF:3359937.7/34

Out: 677.118+/-0.104 χ^2/NDF:3515062.2/38

All: 688.062+/-0.075 χ^2/NDF: 6897759.3/73



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2629.605+/-685.824 χ^2/NDF:19.4/19

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2334.201+/-693.981 χ^2/NDF:28.5/18

Left: 2483.649+/-487.809 χ^2/NDF: 48.0/38

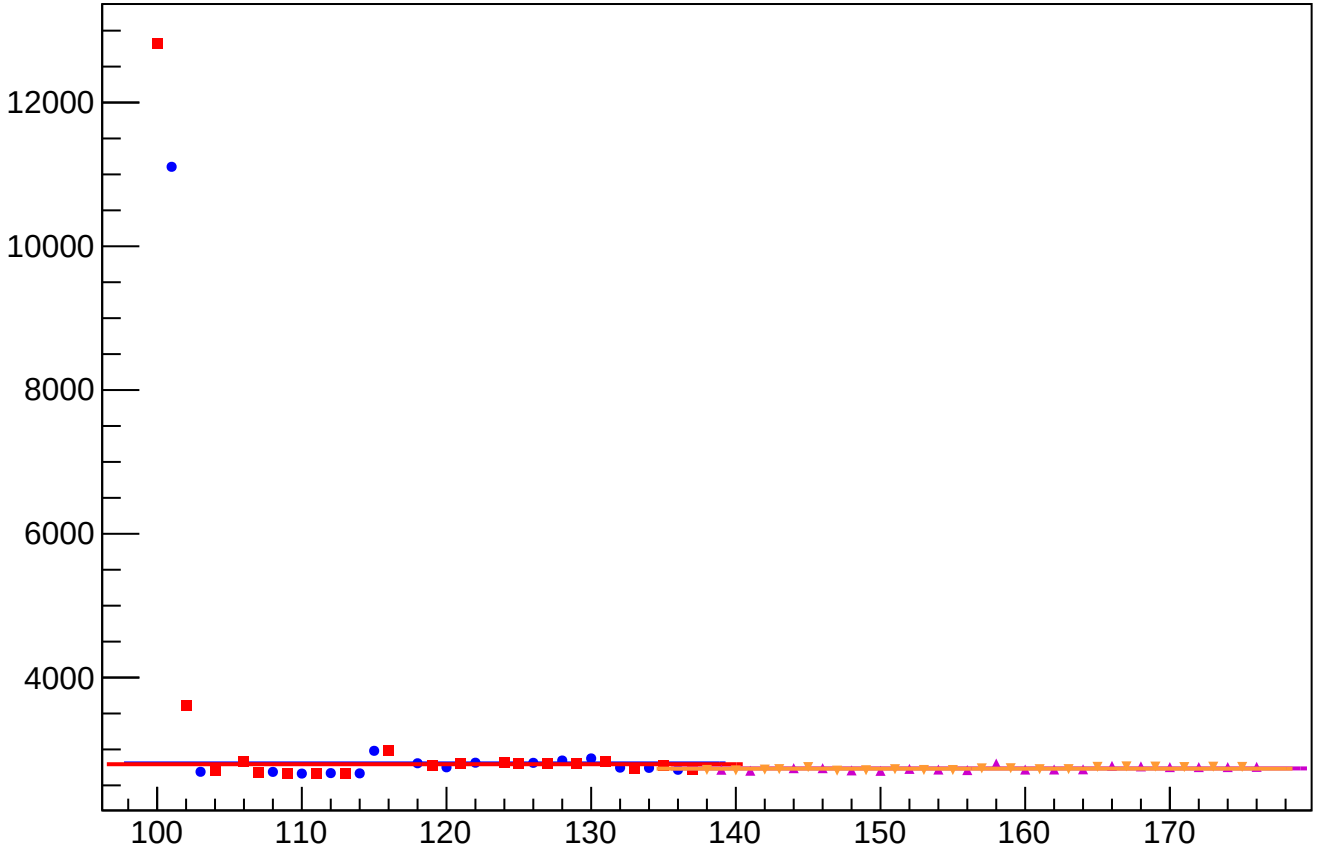
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2249.704+/-582.305 χ^2/NDF:46.4/34

Out: 2565.261+/-572.182 χ^2/NDF:30.2/38

All: 2410.249+/-408.126 χ^2/NDF: 76.7/73

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2732.695+/-0.485 χ^2/NDF:1677.8/19

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

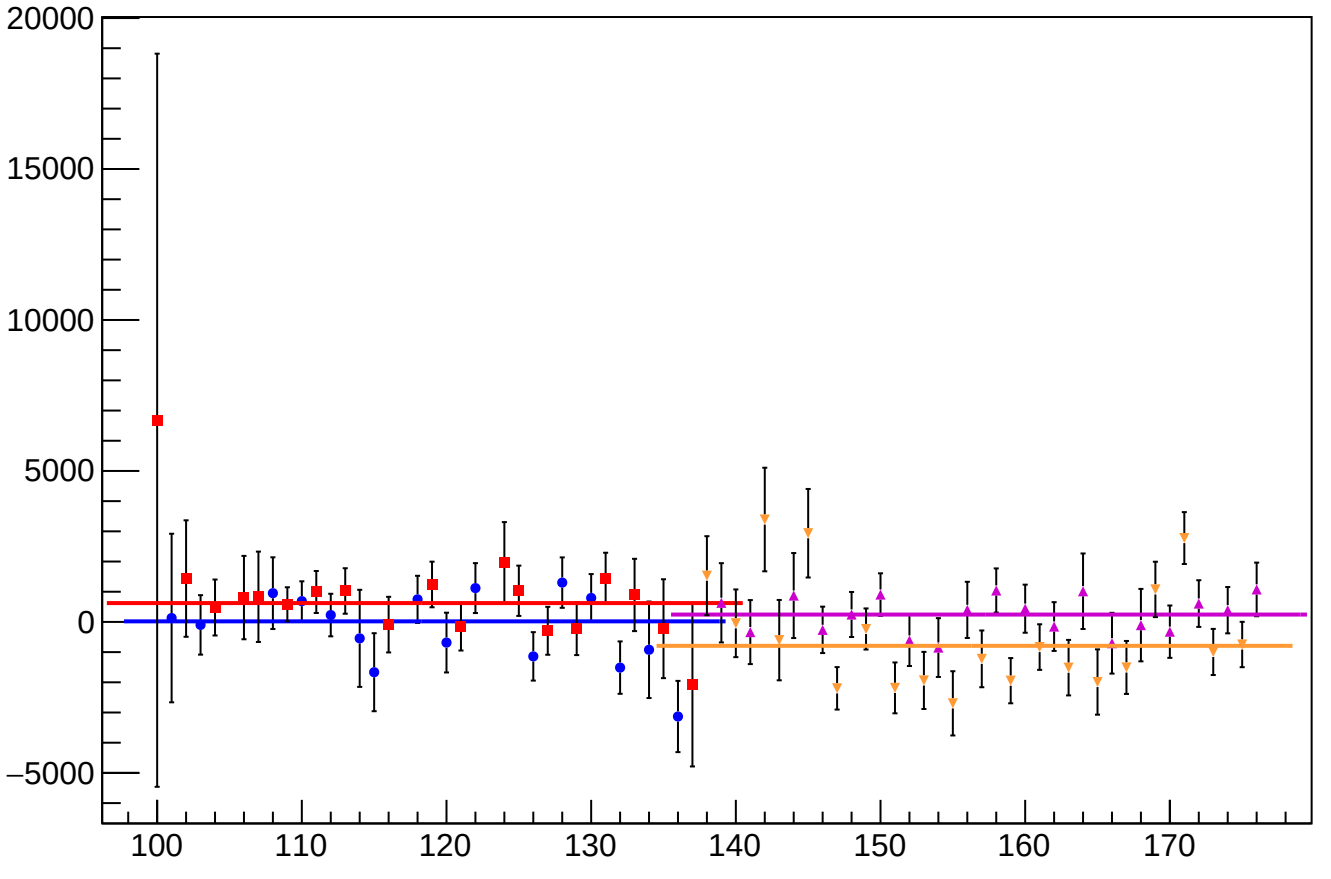
Left: 2734.238+/-0.345 χ^2/NDF: 4483.8/38

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.423+/-0.412 χ^2/NDF:754983.5/34

Out: 2751.376+/-0.405 χ^2/NDF:153304.2/38

All: 2753.856+/-0.289 χ^2/NDF: 908364.2/73



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -791.587+/-202.537 χ^2/NDF:54.7/19

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 243.691+/-202.560 χ^2/NDF:8.6/18

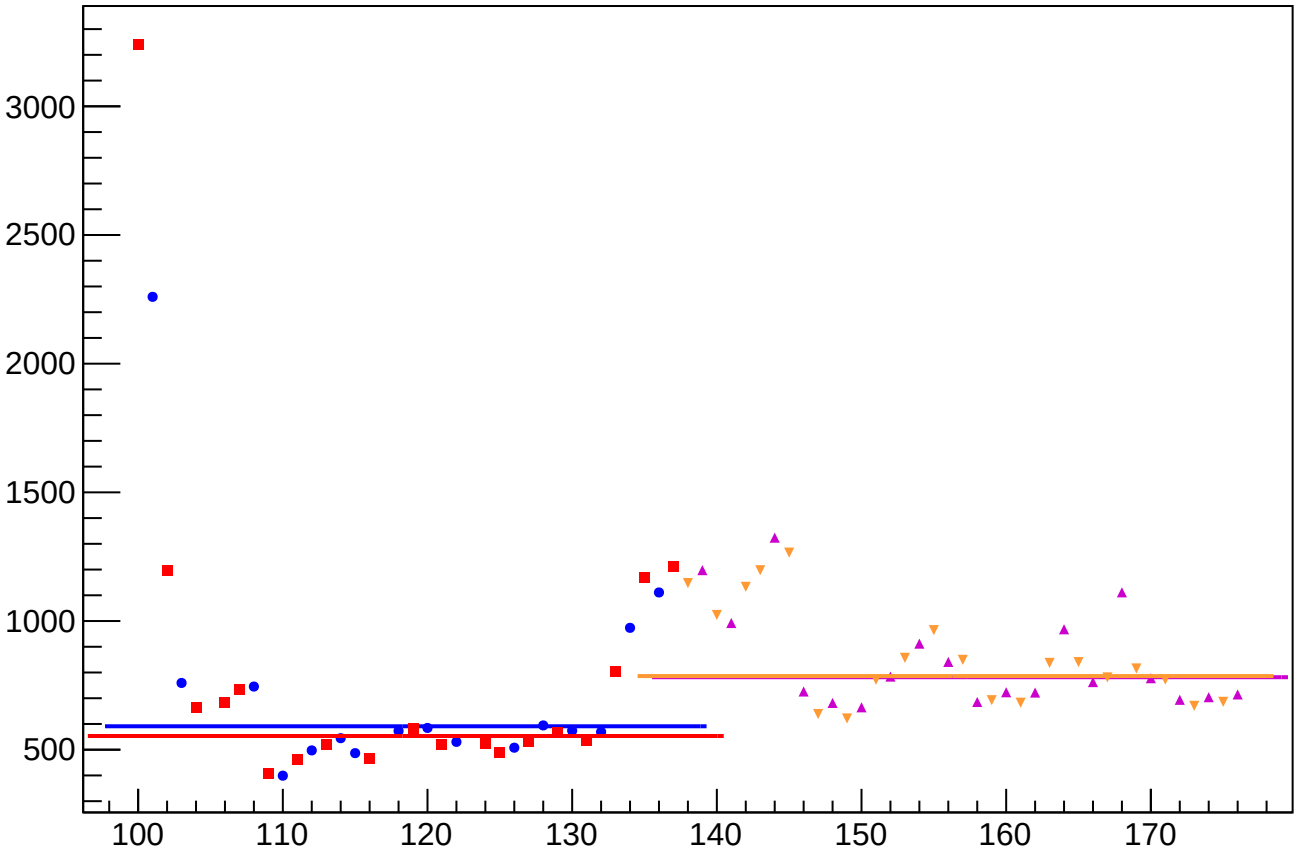
Left: -274.006+/-143.223 χ^2/NDF: 76.4/38

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 147.169+/-153.001 χ^2/NDF:31.9/34

Out: -128.858+/-147.714 χ^2/NDF:86.7/38

All: 4.304+/-106.270 χ^2/NDF: 120.3/73



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.140+/-0.143 χ^2/NDF:1175416.9/19

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

Left: 783.908+/-0.101 χ^2/NDF: 2208429.6/38

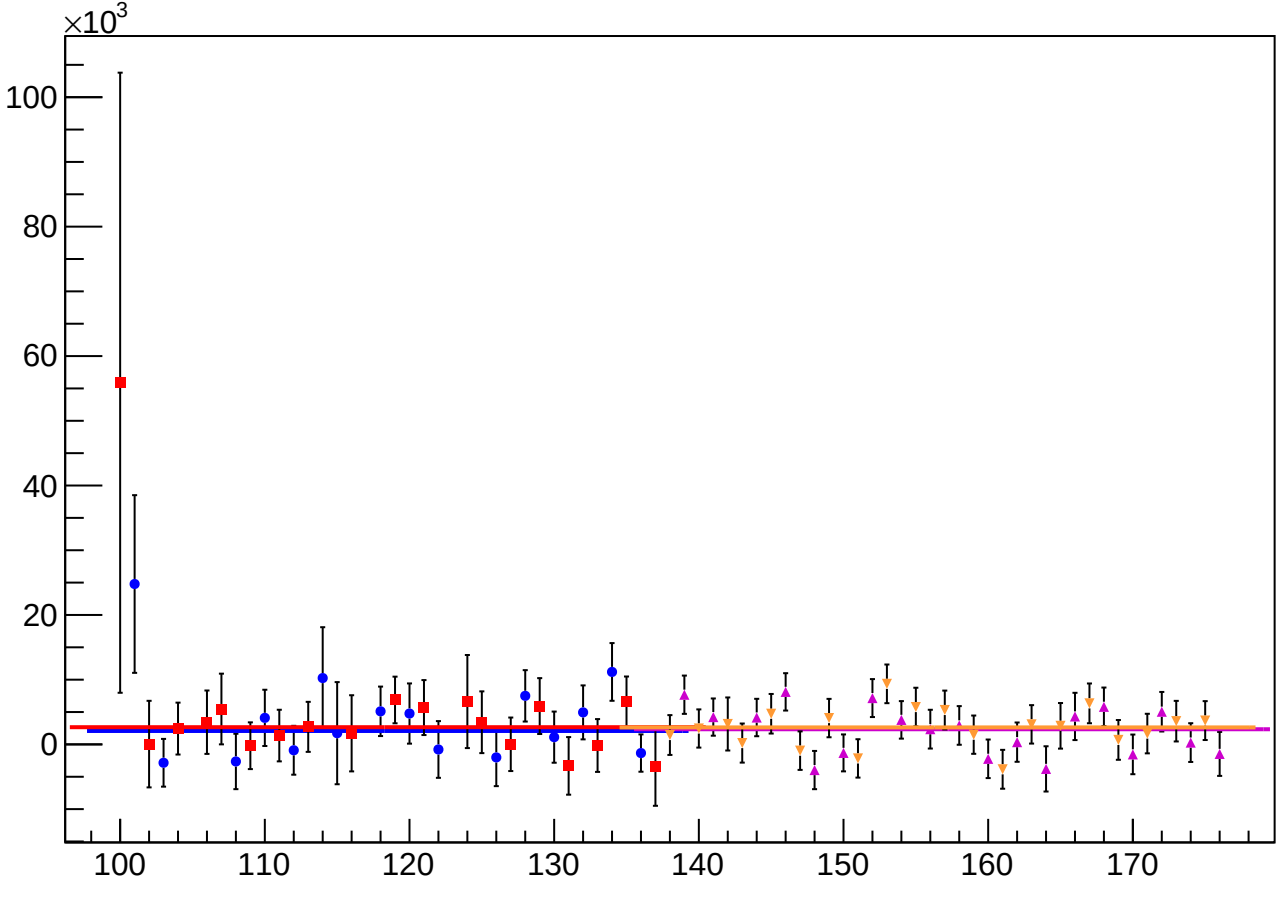
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.804+/-0.108 χ^2/NDF:3359937.7/34

Out: 677.118+/-0.104 χ^2/NDF:3515062.2/38

All: 688.062+/-0.075 χ^2/NDF: 6897759.3/73

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.849+/-686.275 χ^2/NDF:19.6/19

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2340.699+/-694.374 χ^2/NDF:28.9/18

Left: 2483.935+/-488.108 χ^2/NDF: 48.5/38

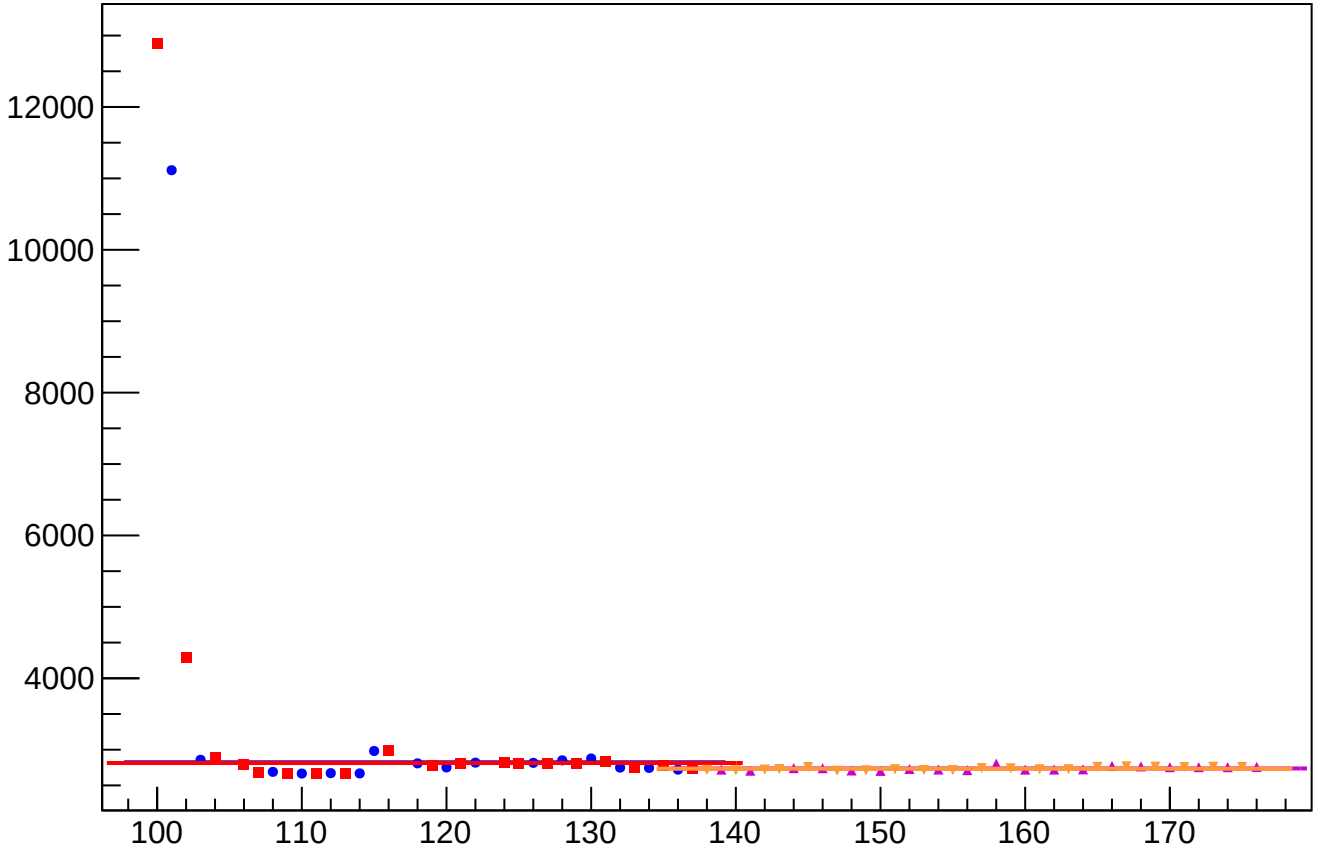
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2262.633+/-583.624 χ^2/NDF:46.8/34

Out: 2633.864+/-574.436 χ^2/NDF:29.5/38

All: 2451.194+/-409.397 χ^2/NDF: 76.5/73

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

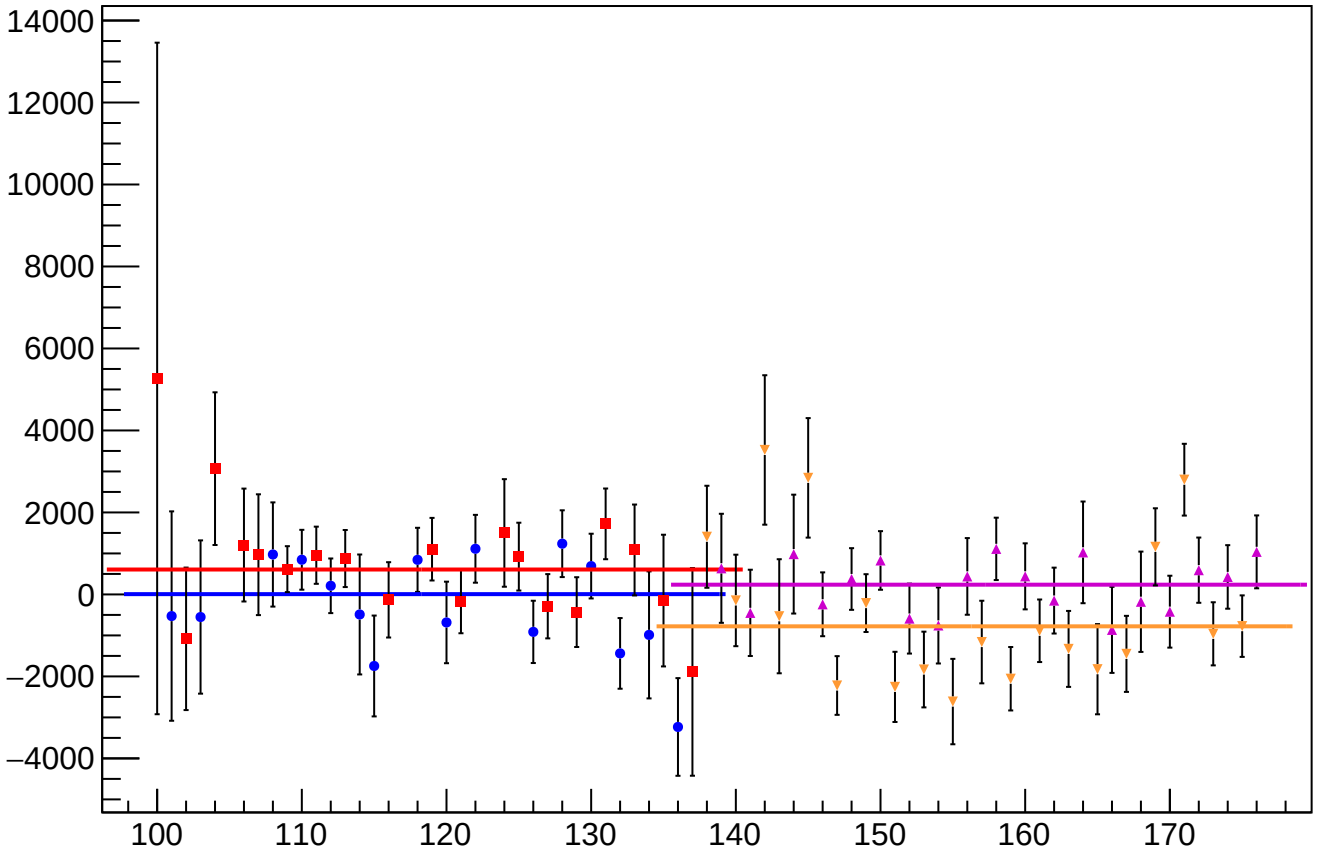
Left: 2735.908+/-0.345 χ^2/NDF: 4490.8/38

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.632+/-0.413 χ^2/NDF:755729.5/34

Out: 2758.239+/-0.406 χ^2/NDF:210197.1/38

All: 2760.401+/-0.289 χ^2/NDF: 965984.2/73



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.381+/-205.920 χ^2/NDF:53.0/19

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 237.501+/-204.771 χ^2/NDF:8.9/18

Left: -267.597+/-145.199 χ^2/NDF: 74.1/38

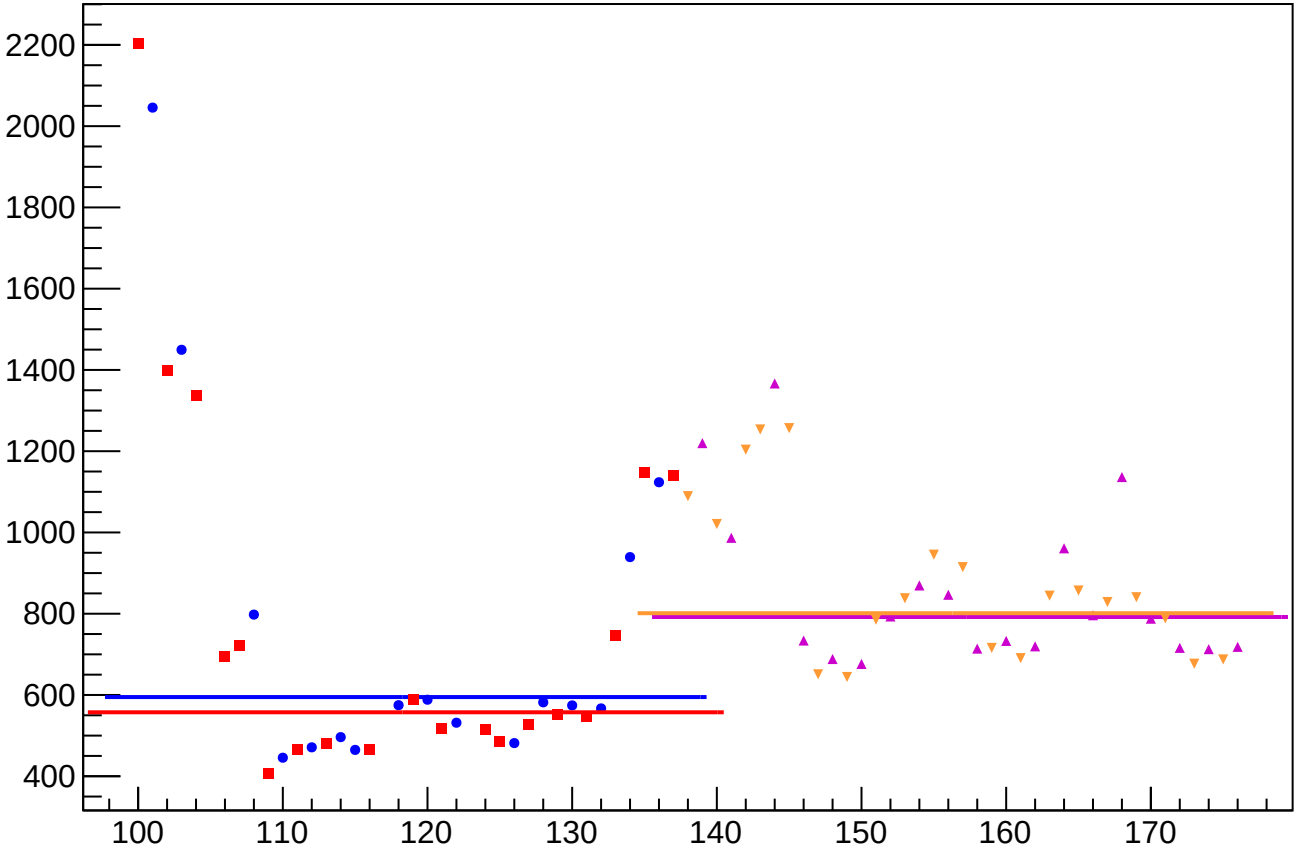
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 139.215+/-155.073 χ^2/NDF:32.2/34

Out: -121.952+/-149.401 χ^2/NDF:86.6/38

All: 3.768+/-107.592 χ^2/NDF: 120.3/73

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123132.9/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 791.880+/-0.145 χ^2/NDF:1008037.1/18

Left: 796.540+/-0.103 χ^2/NDF: 2133253.4/38

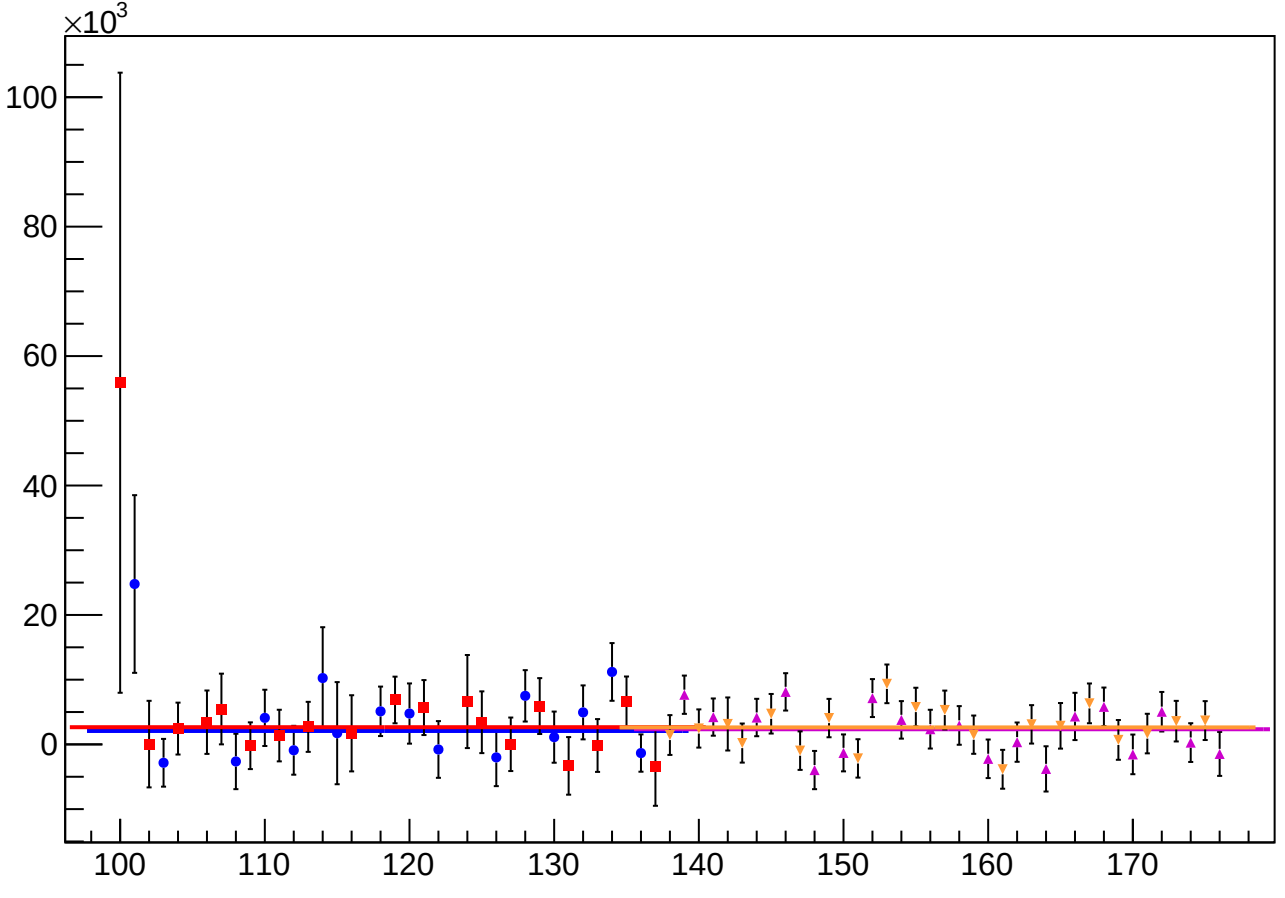
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.851+/-0.110 χ^2/NDF:3650347.2/34

Out: 685.762+/-0.106 χ^2/NDF:4082803.4/38

All: 696.395+/-0.076 χ^2/NDF: 7754197.3/73

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2623.850+/-686.275 χ^2/NDF:19.6/19

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2340.699+/-694.374 χ^2/NDF:28.9/18

Left: 2483.935+/-488.108 χ^2/NDF: 48.5/38

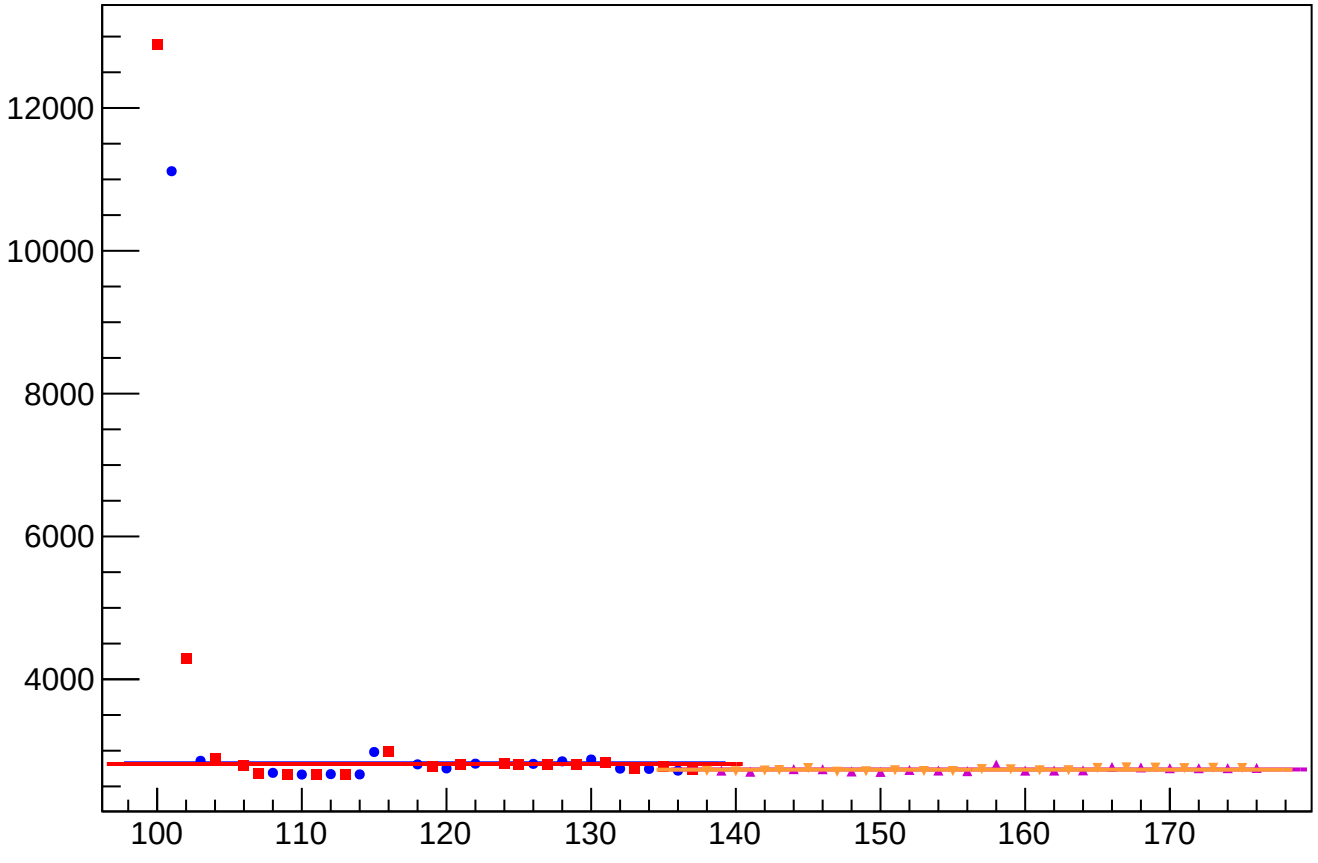
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2262.633+/-583.624 χ^2/NDF:46.8/34

Out: 2633.864+/-574.436 χ^2/NDF:29.5/38

All: 2451.194+/-409.397 χ^2/NDF: 76.5/73

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2734.489+/-0.485 χ^2/NDF:1684.2/19

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

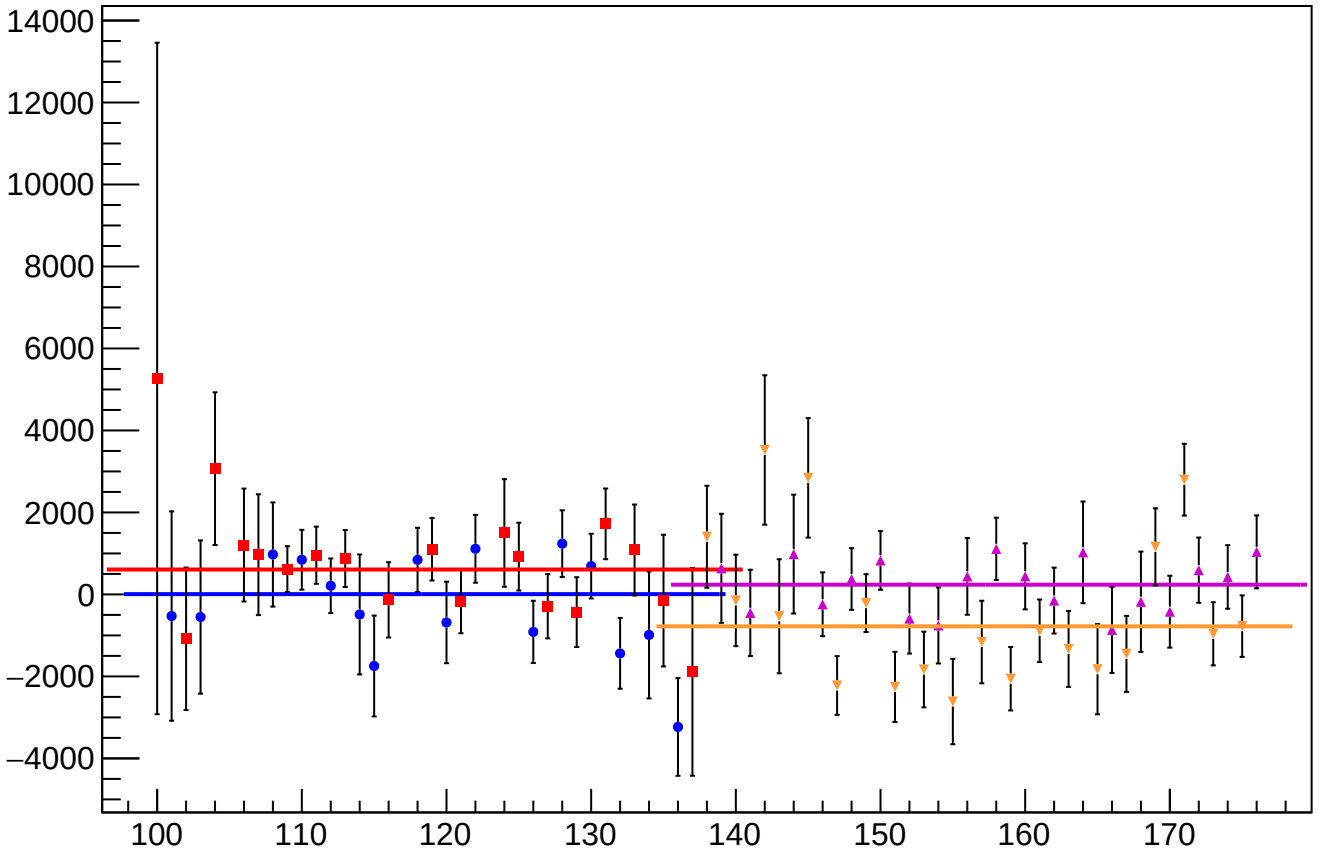
Left: 2735.908+/-0.345 χ^2/NDF: 4490.8/38

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.632+/-0.413 χ^2/NDF:755729.5/34

Out: 2758.239+/-0.406 χ^2/NDF:210196.8/38

All: 2760.401+/-0.289 χ^2/NDF: 965983.9/73



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.382+/-205.920 χ^2/NDF:53.0/19

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 237.501+/-204.771 χ^2/NDF:8.9/18

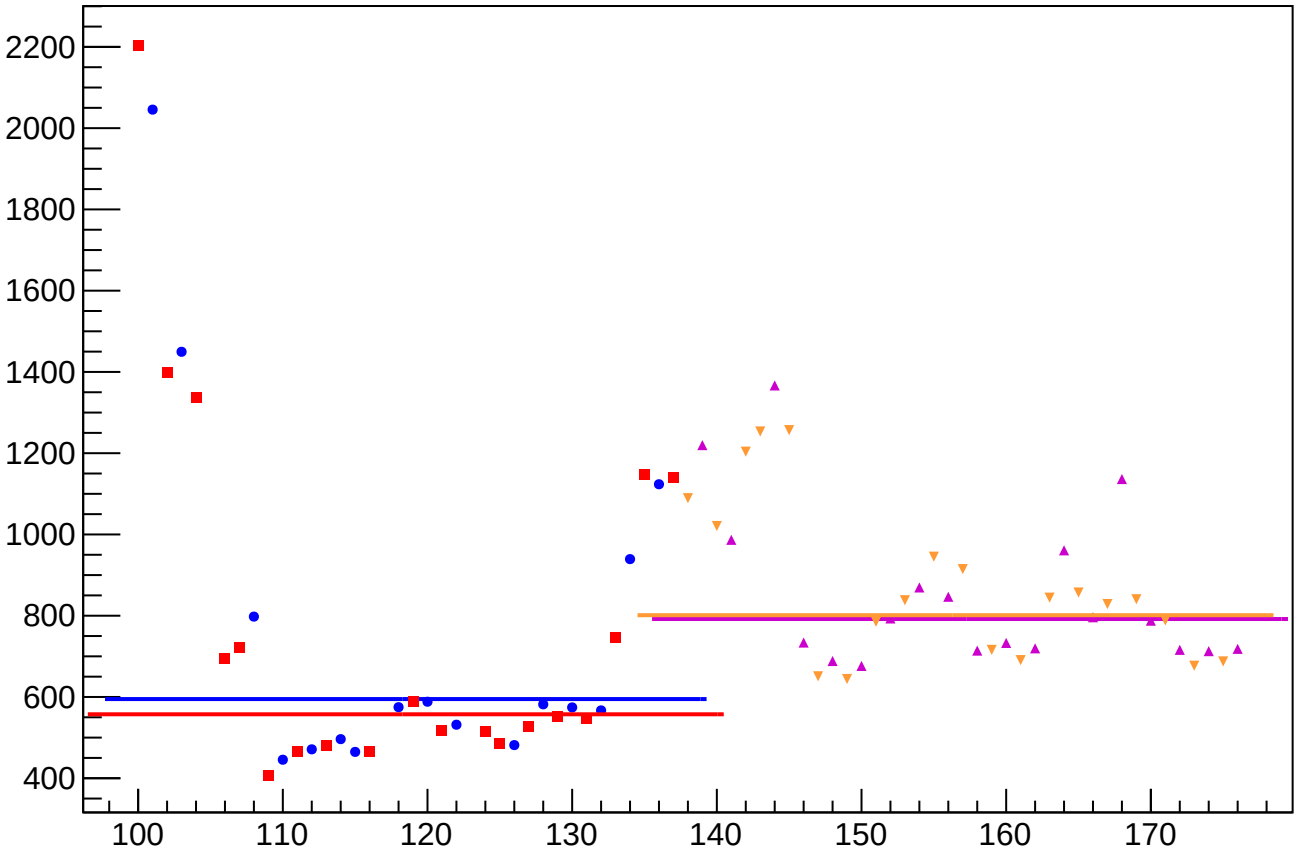
Left: -267.597+/-145.199 χ^2/NDF: 74.1/38

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 139.215+/-155.073 χ^2/NDF:32.2/34

Out: -121.953+/-149.401 χ^2/NDF:86.6/38

All: 3.768+/-107.592 χ^2/NDF: 120.3/73



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 801.253+/-0.146 χ^2/NDF:1123135.7/19

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 791.880+/-0.145 χ^2/NDF:1008041.0/18

Left: 796.540+/-0.103 χ^2/NDF: 2133260.2/38

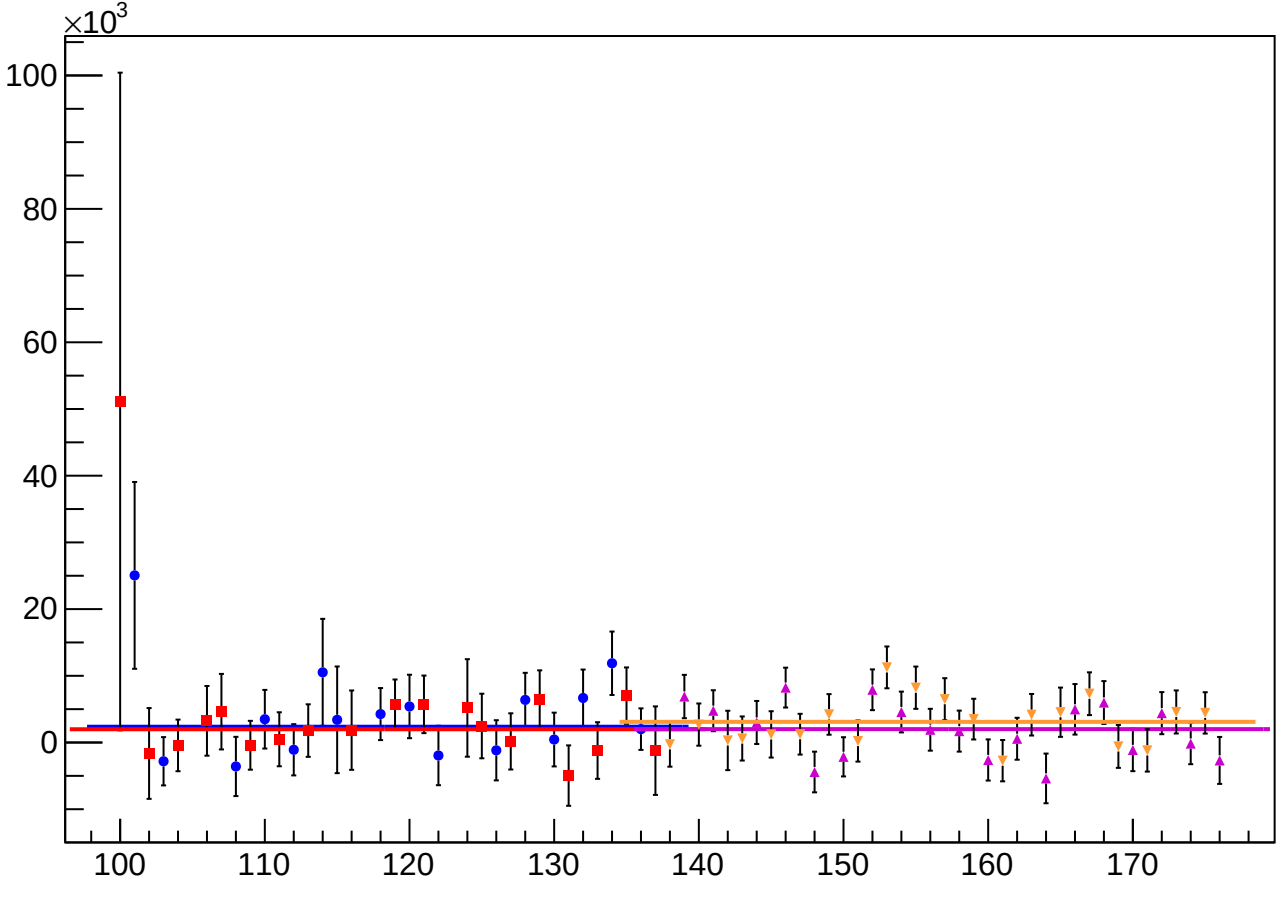
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.852+/-0.110 χ^2/NDF:3650341.1/34

Out: 685.762+/-0.106 χ^2/NDF:4082802.7/38

All: 696.395+/-0.076 χ^2/NDF: 7754190.6/73

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3098.244+/-722.221 χ^2/NDF:23.3/19

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2005.960+/-728.744 χ^2/NDF:30.7/18

Left: 2557.013+/-512.978 χ^2/NDF: 55.2/38

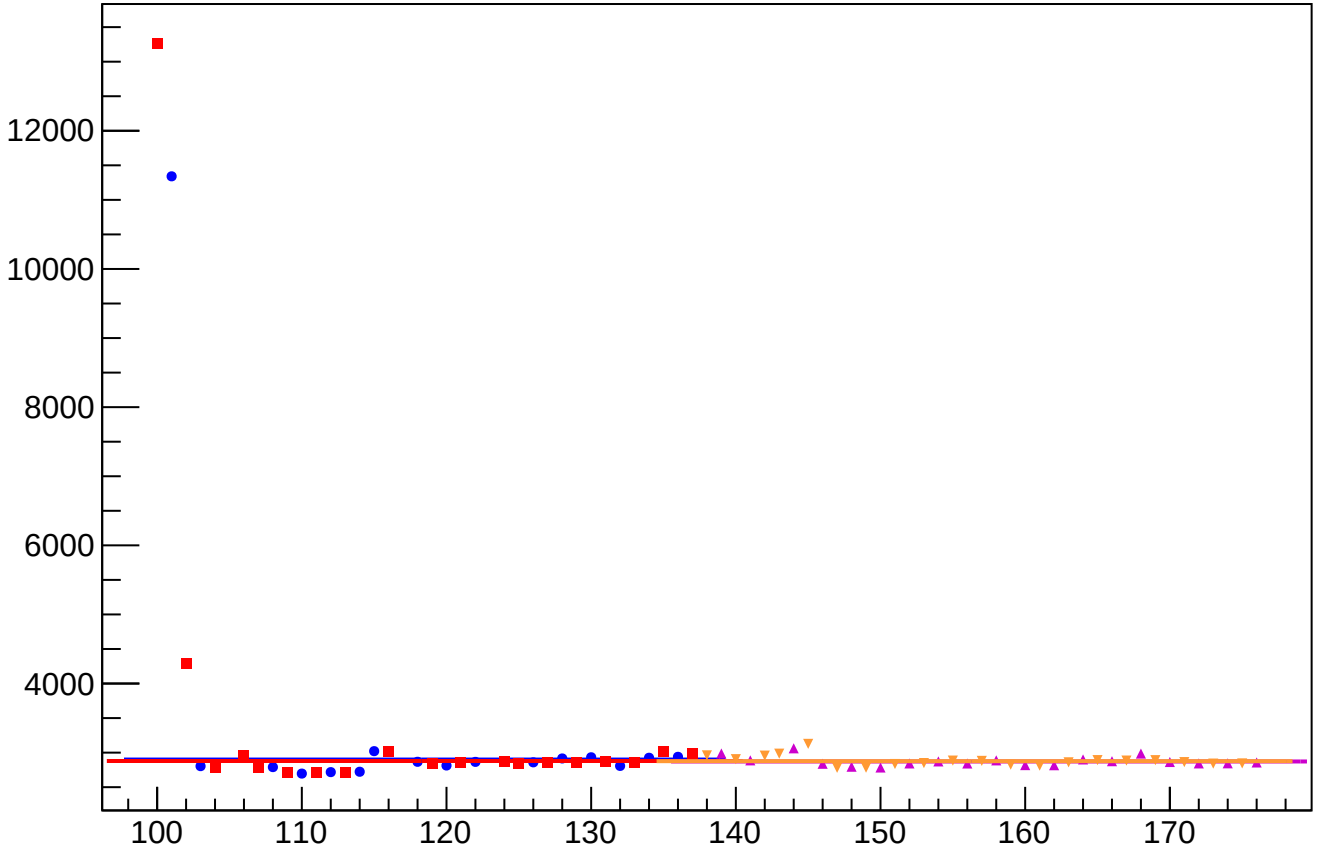
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2115.280+/-608.558 χ^2/NDF:47.7/34

Out: 2752.807+/-599.544 χ^2/NDF:34.3/38

All: 2438.799+/-427.093 χ^2/NDF: 82.5/73

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.431+/-0.511 χ^2/NDF:21128.1/19

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2871.955+/-0.515 χ^2/NDF:17370.7/18

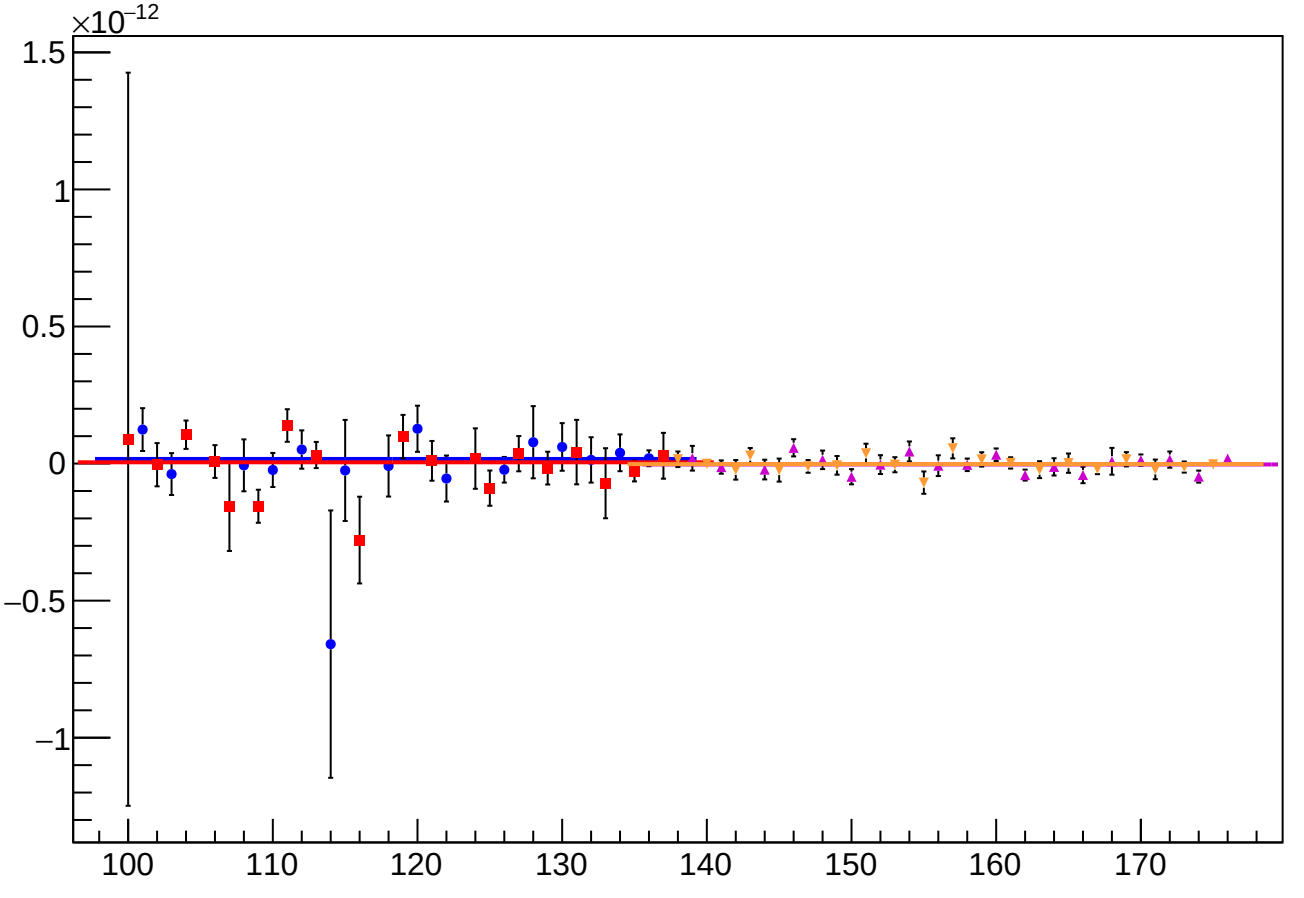
Left: 2874.213+/-0.363 χ^2/NDF: 38536.9/38

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.390+/-0.430 χ^2/NDF:760074.3/34

Out: 2877.216+/-0.424 χ^2/NDF:214418.2/38

All: 2878.780+/-0.302 χ^2/NDF: 974520.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:23.7/18

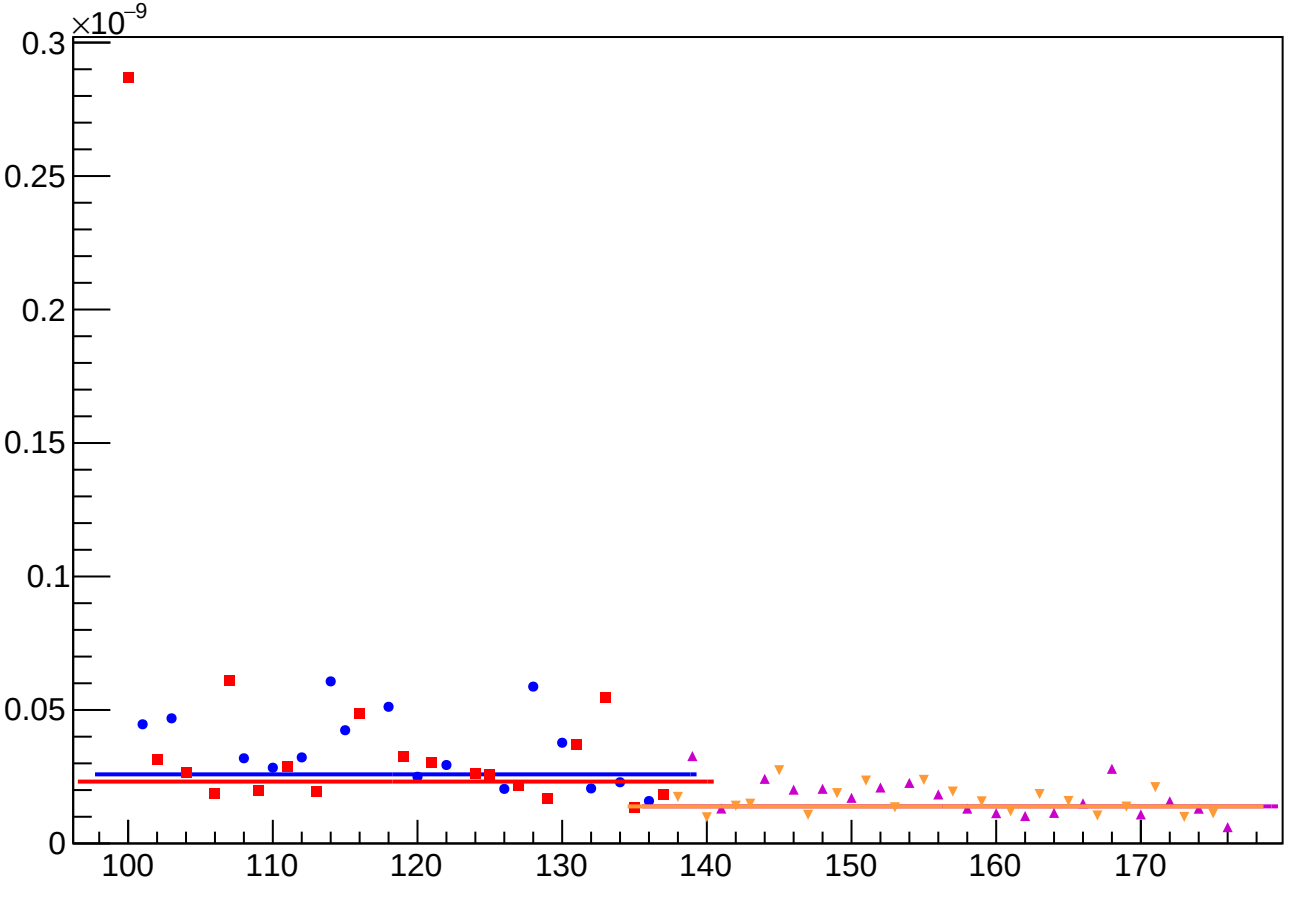
Left: -0.000+/-0.000 χ^2/NDF: 35.5/38

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:37.6/38

All: -0.000+/-0.000 χ^2/NDF: 71.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1083191.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1728929.3/18

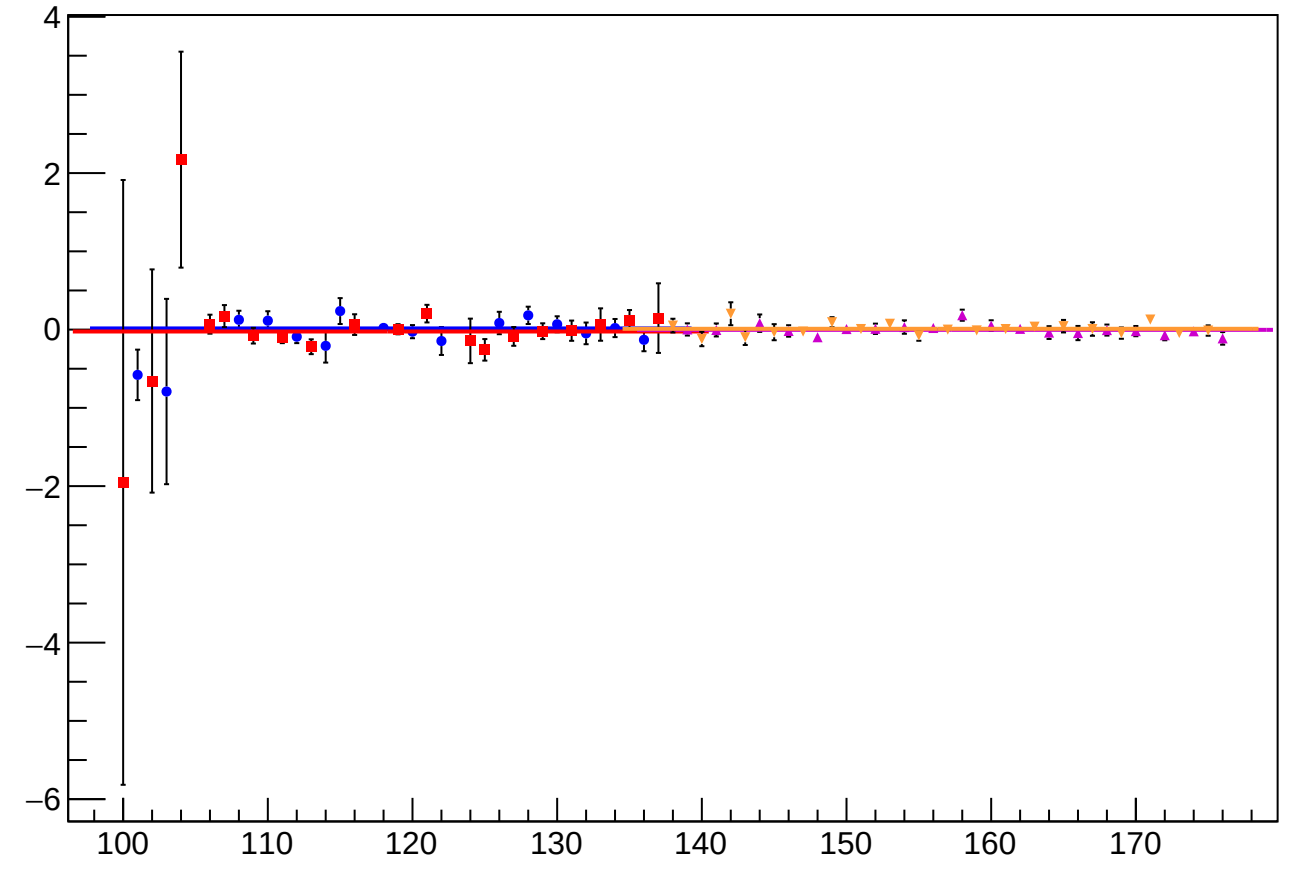
Left: 0.000+/-0.000 χ^2/NDF: 2812139.0/38

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:3487575.1/34

Out: 0.000+/-0.000 χ^2/NDF:2391539.6/38

All: 0.000+/-0.000 χ^2/NDF: 5881929.2/73



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

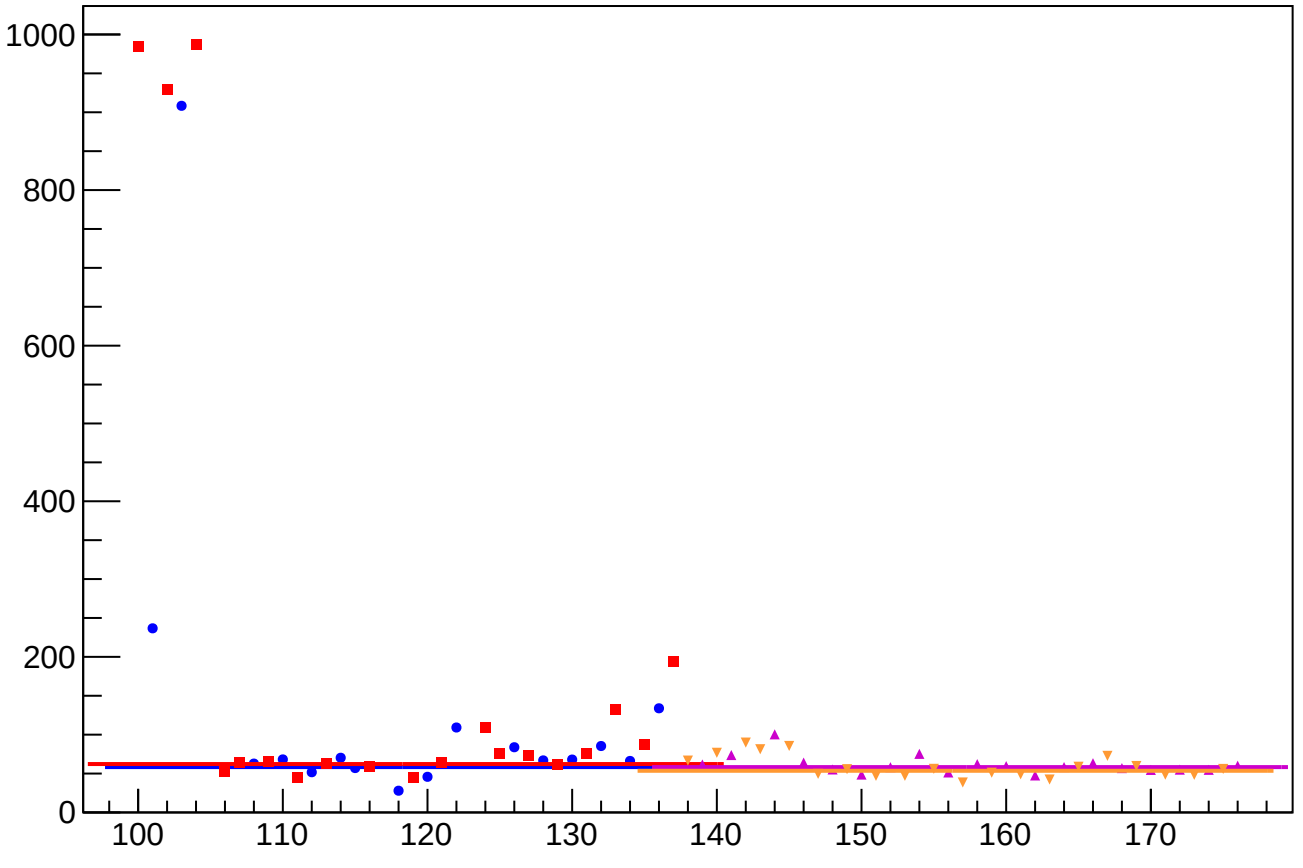
Left: 0.004+/-0.011 χ^2/NDF: 30.9/38

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.002+/-0.010 χ^2/NDF: 67.8/73



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

Left: 55.795+/-0.008 χ^2/NDF: 1820480.4/38

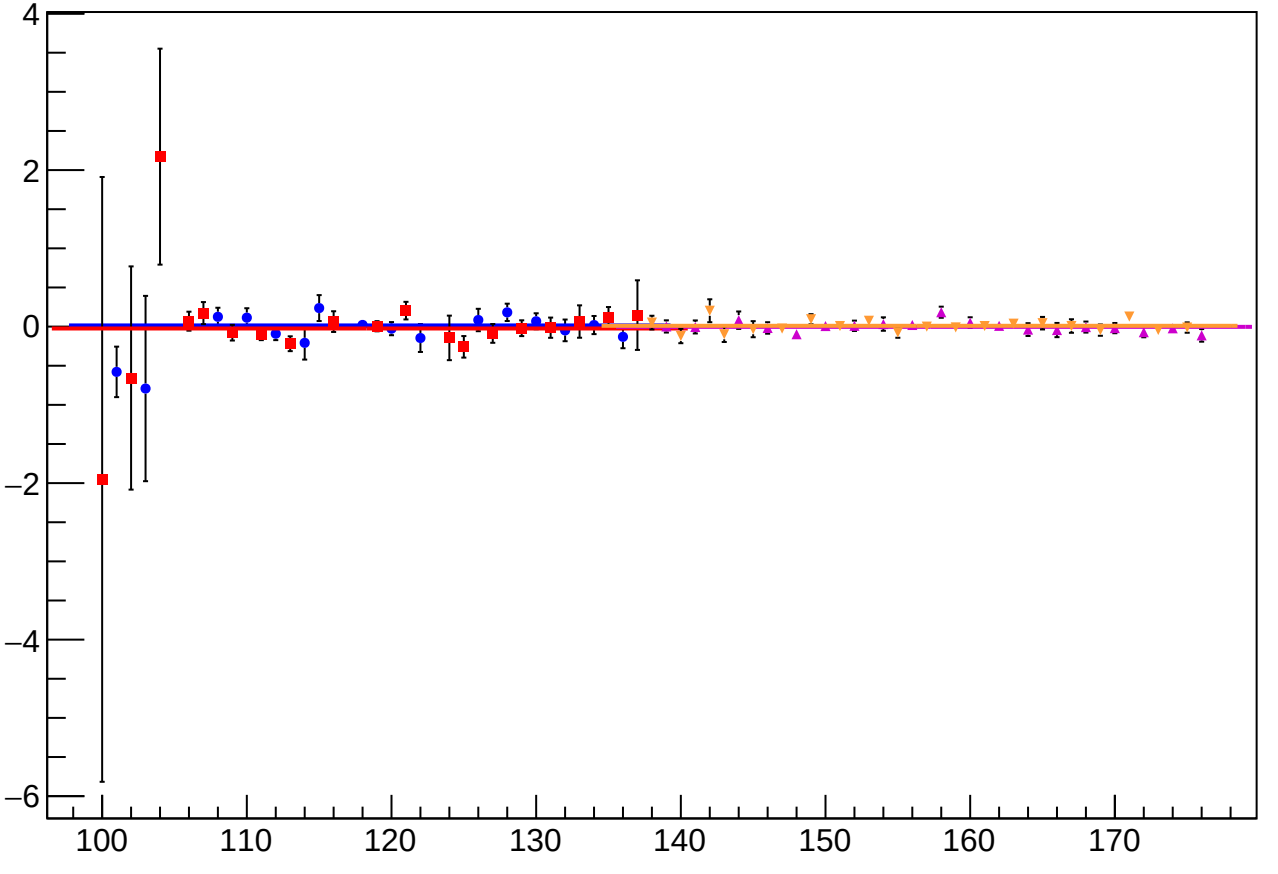
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.301+/-0.010 χ^2/NDF:3898064.2/34

Out: 55.550+/-0.009 χ^2/NDF:3866939.4/38

All: 56.866+/-0.007 χ^2/NDF: 7805352.9/73

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+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

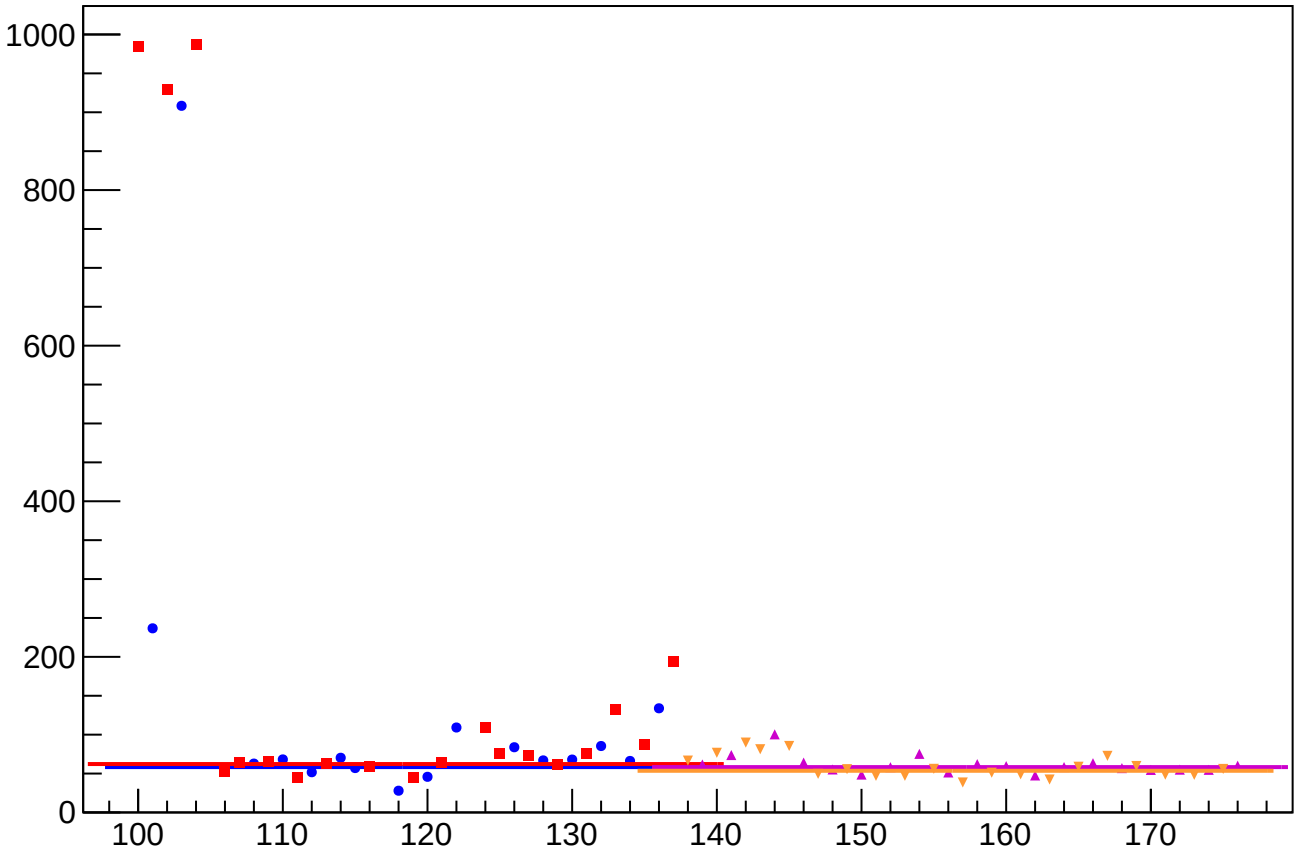
Left: 0.004+/-0.011 χ^2/NDF: 30.9/38

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.002+/-0.010 χ^2/NDF: 67.8/73



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.572+/-0.011 χ^2/NDF:1092461.3/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

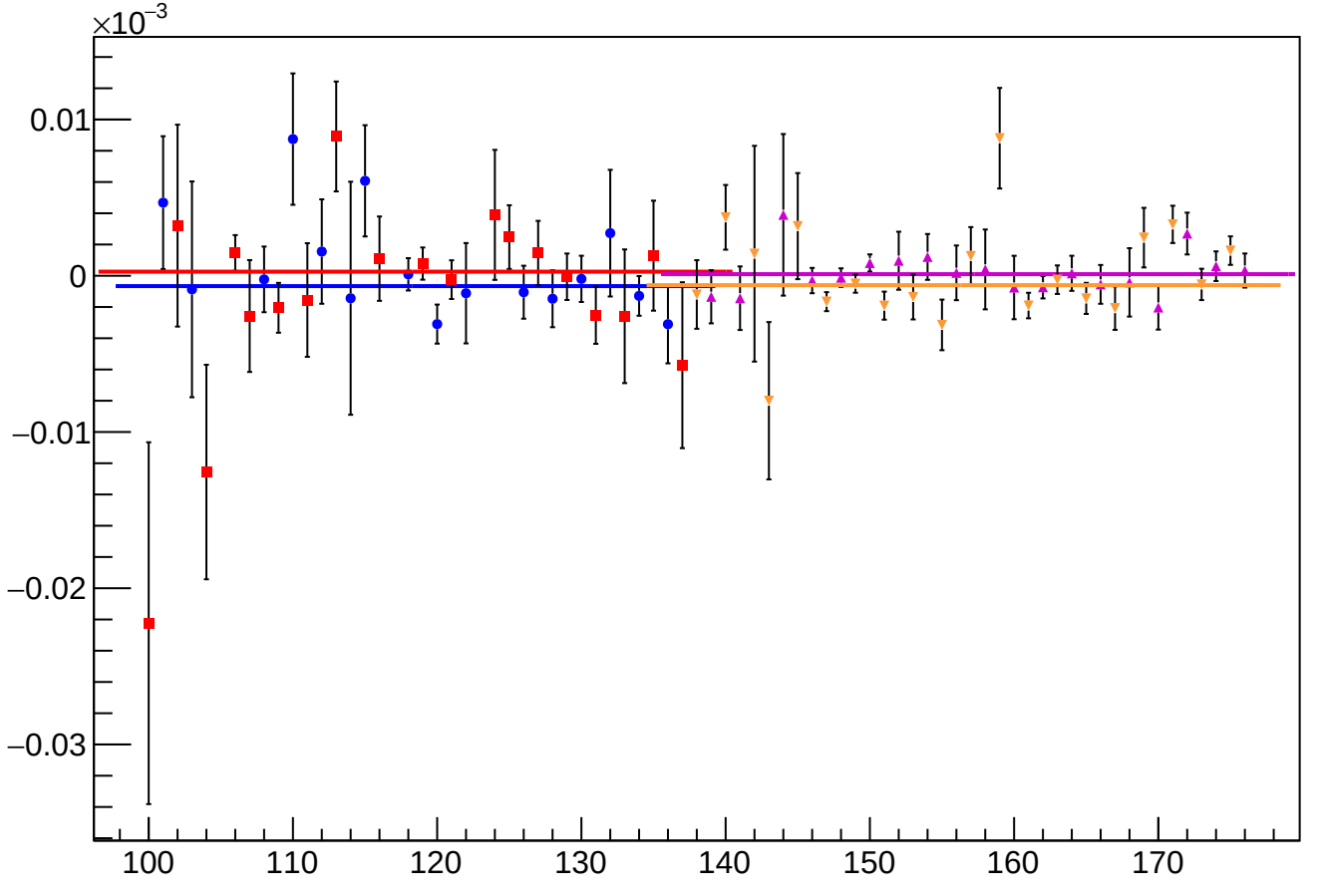
Left: 55.795+/-0.008 χ^2/NDF: 1820480.4/38

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.301+/-0.010 χ^2/NDF:3898064.2/34

Out: 55.550+/-0.009 χ^2/NDF:3866939.4/38

All: 56.866+/-0.007 χ^2/NDF: 7805352.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/18

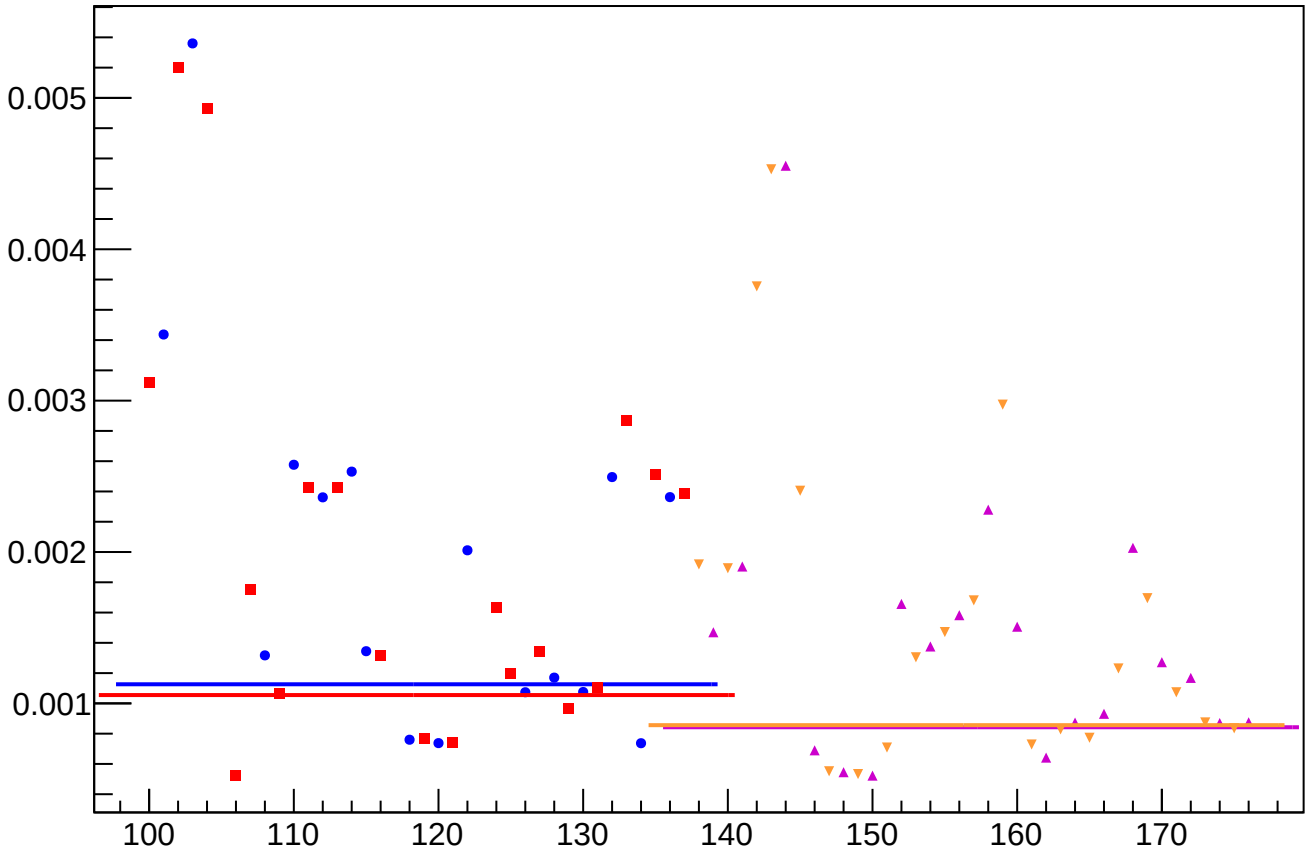
Left: -0.000+/-0.000 χ^2/NDF: 66.0/38

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:32.1/34

Out: -0.000+/-0.000 χ^2/NDF:76.3/38

All: -0.000+/-0.000 χ^2/NDF: 109.7/73



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6385047.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5998990.8/18

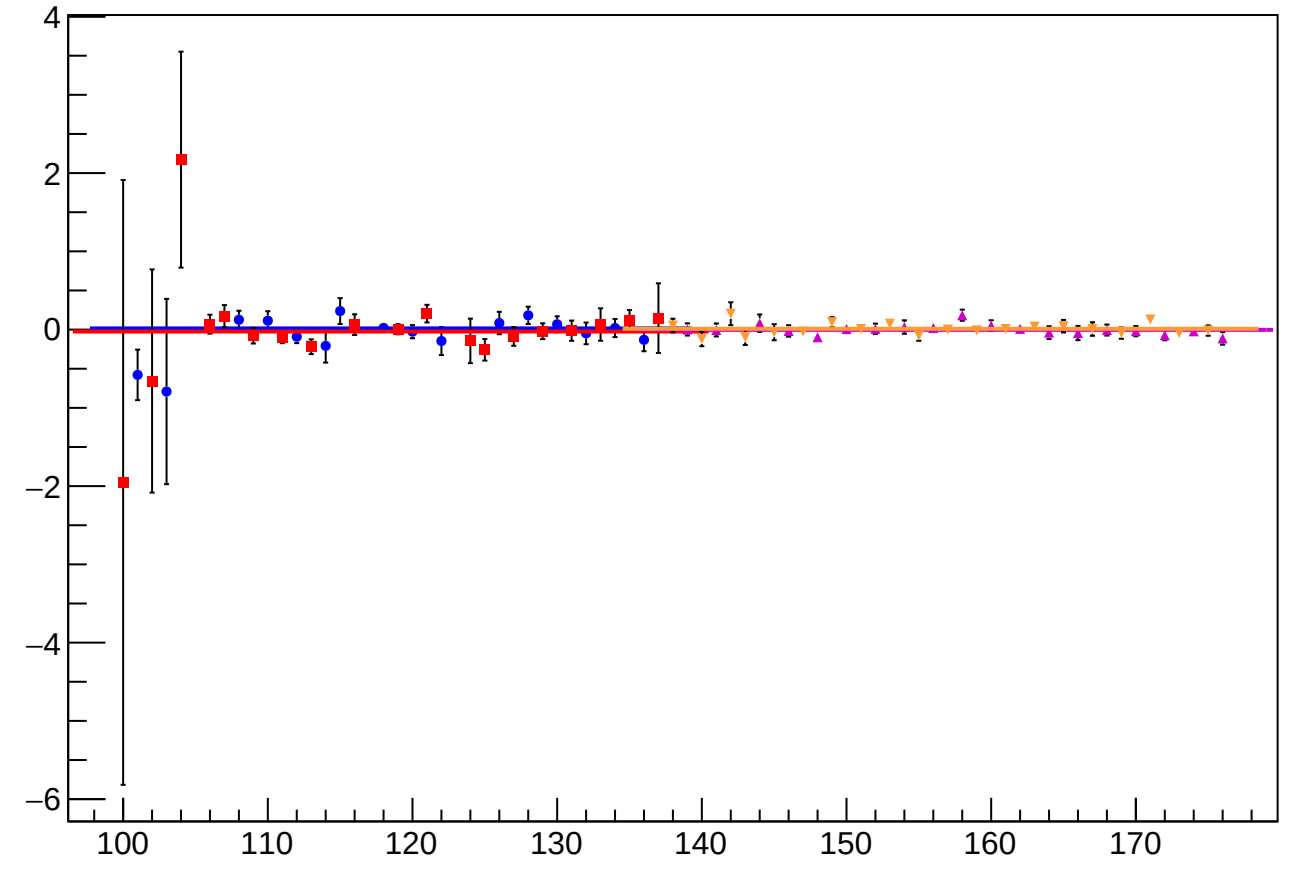
Left: 0.001+/-0.000 χ^2/NDF: 12387131.5/38

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9986934.6/34

Out: 0.001+/-0.000 χ^2/NDF:10518141.4/38

All: 0.001+/-0.000 χ^2/NDF: 20505080.1/73



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

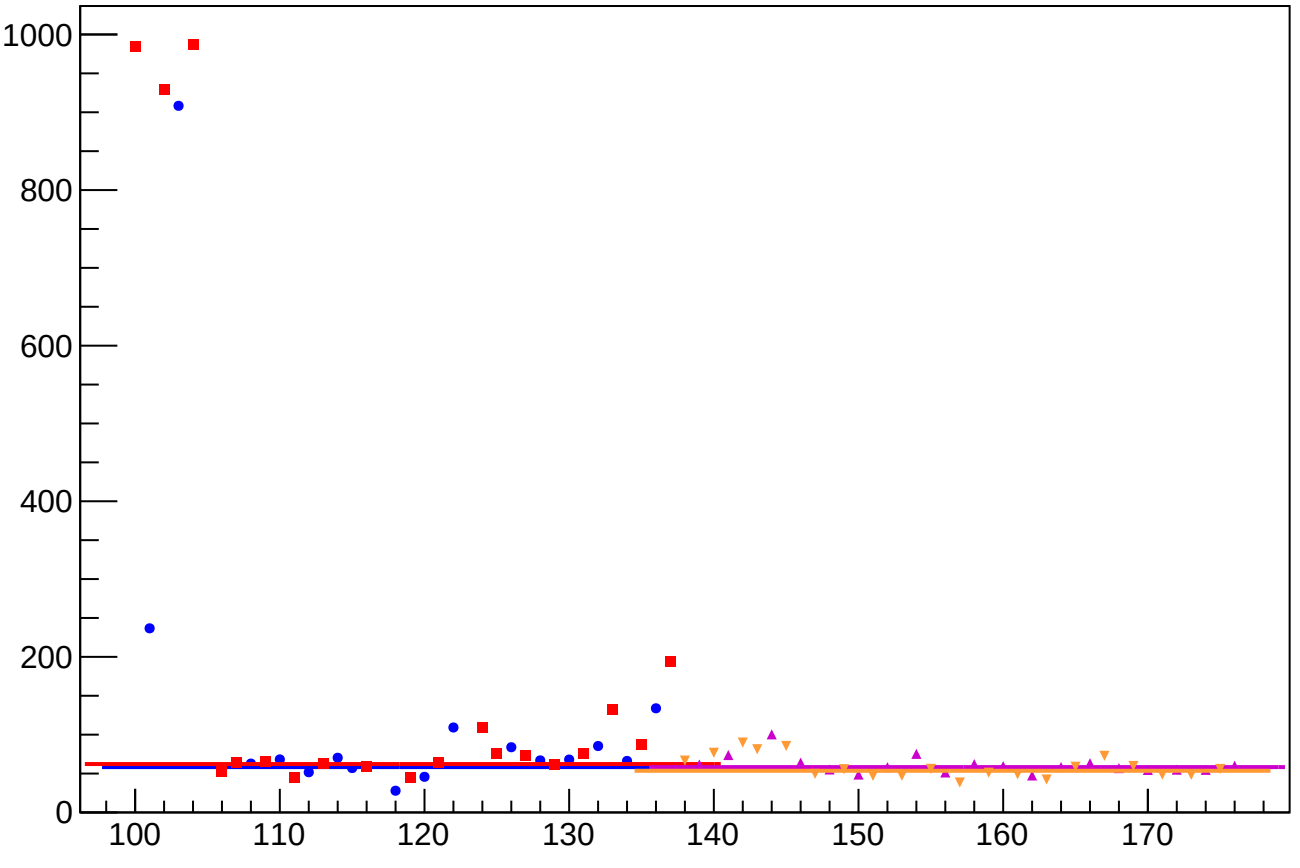
Left: 0.004+/-0.011 χ^2/NDF: 30.9/38

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.002+/-0.010 χ^2/NDF: 67.8/73



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

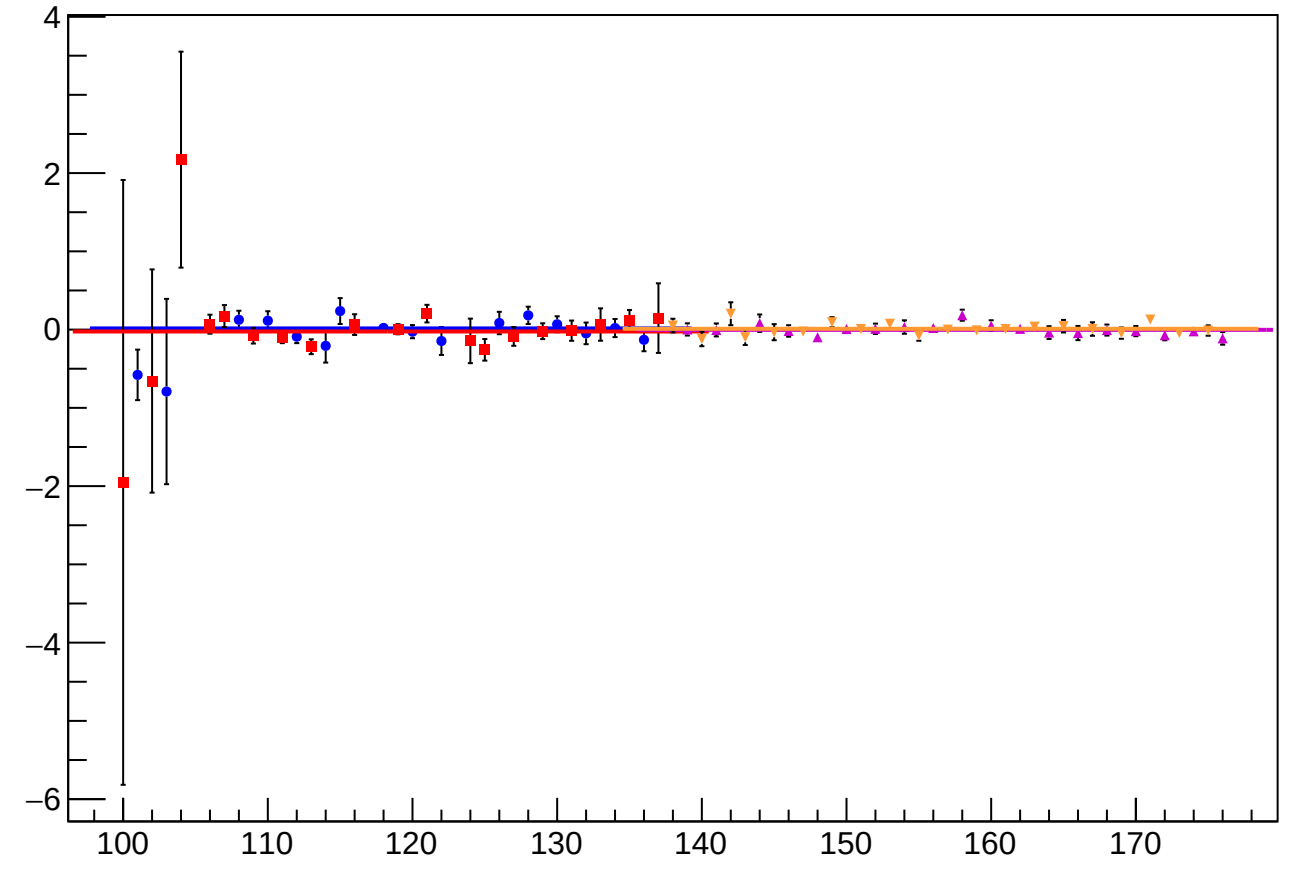
Left: 55.795+/-0.008 χ^2/NDF: 1820589.2/38

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.301+/-0.010 χ^2/NDF:3898166.9/34

Out: 55.550+/-0.009 χ^2/NDF:3867008.5/38

All: 56.866+/-0.007 χ^2/NDF: 7805532.0/73



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.015 χ^2/NDF:16.2/19

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

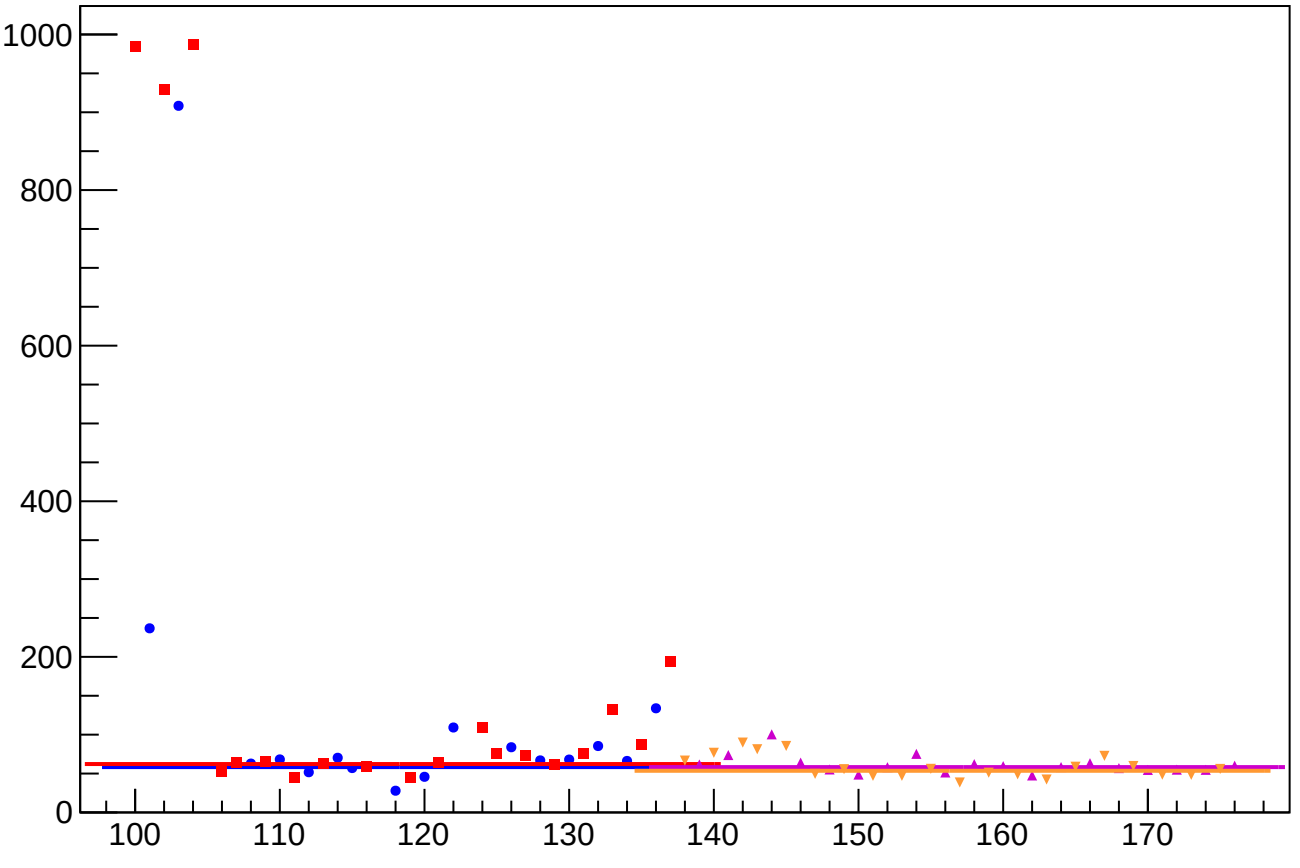
Left: 0.004+/-0.011 χ^2/NDF: 30.9/38

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: 0.002+/-0.013 χ^2/NDF:38.2/38

All: 0.002+/-0.010 χ^2/NDF: 67.8/73



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.571+/-0.011 χ^2/NDF:1092526.8/19

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

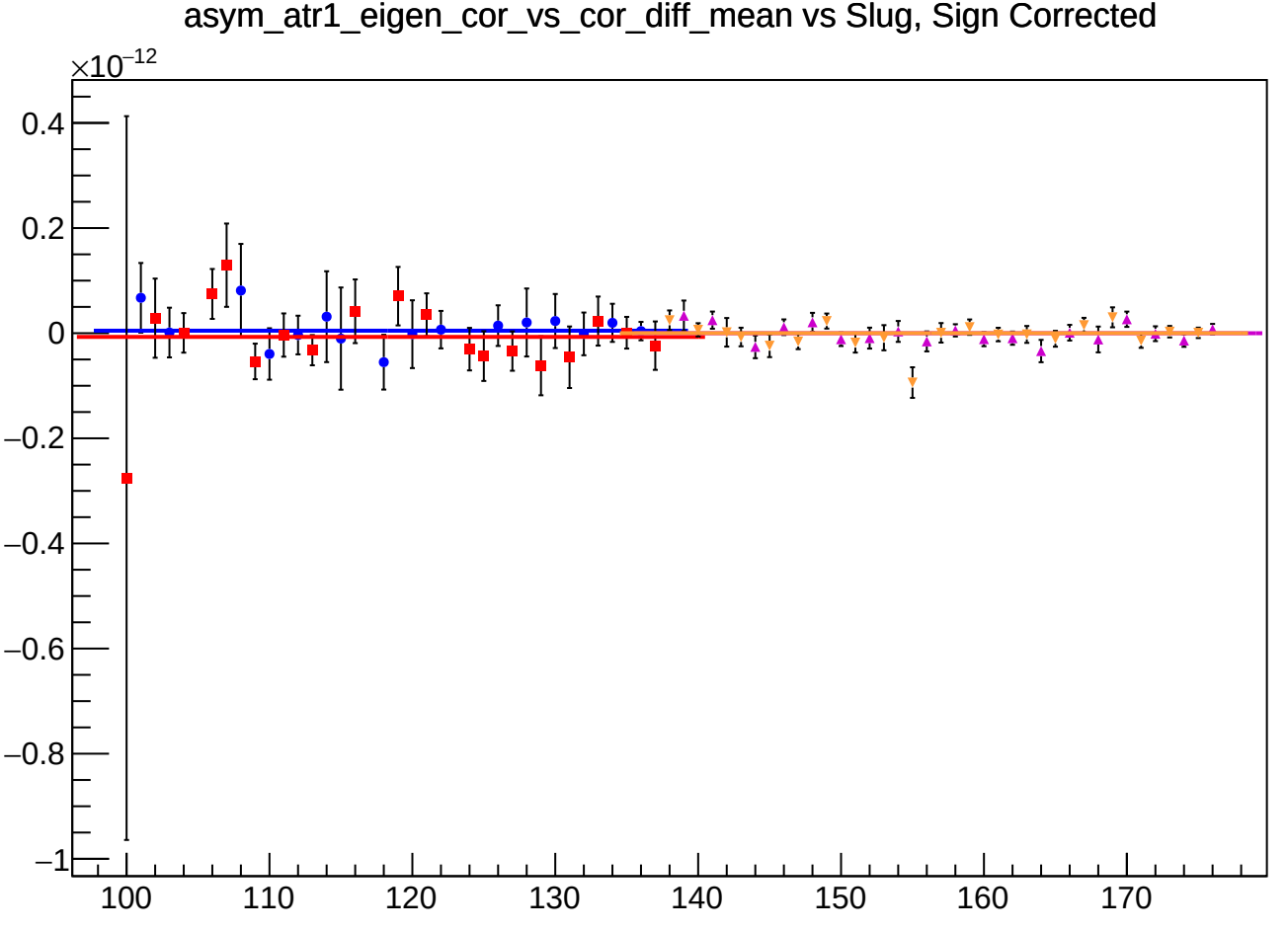
Left: 55.795+/-0.008 χ^2/NDF: 1820589.2/38

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.301+/-0.010 χ^2/NDF:3898166.9/34

Out: 55.550+/-0.009 χ^2/NDF:3867008.5/38

All: 56.866+/-0.007 χ^2/NDF: 7805532.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

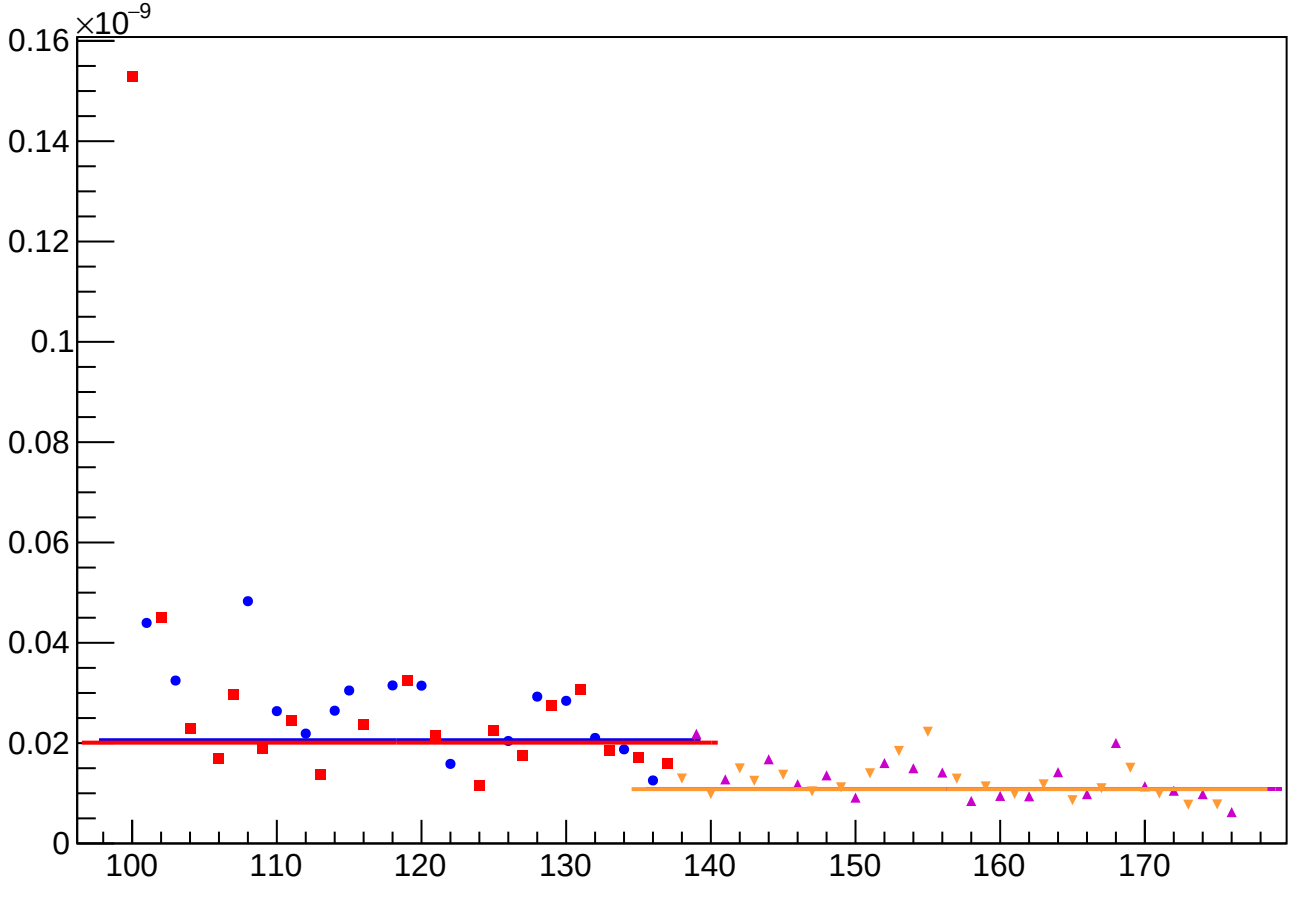
Left: -0.000+/-0.000 χ^2/NDF: 42.8/38

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:22.8/34

Out: -0.000+/-0.000 χ^2/NDF:41.1/38

All: -0.000+/-0.000 χ^2/NDF: 64.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254722.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1748721.1/18

Left: 0.000+/-0.000 χ^2/NDF: 3003537.5/38

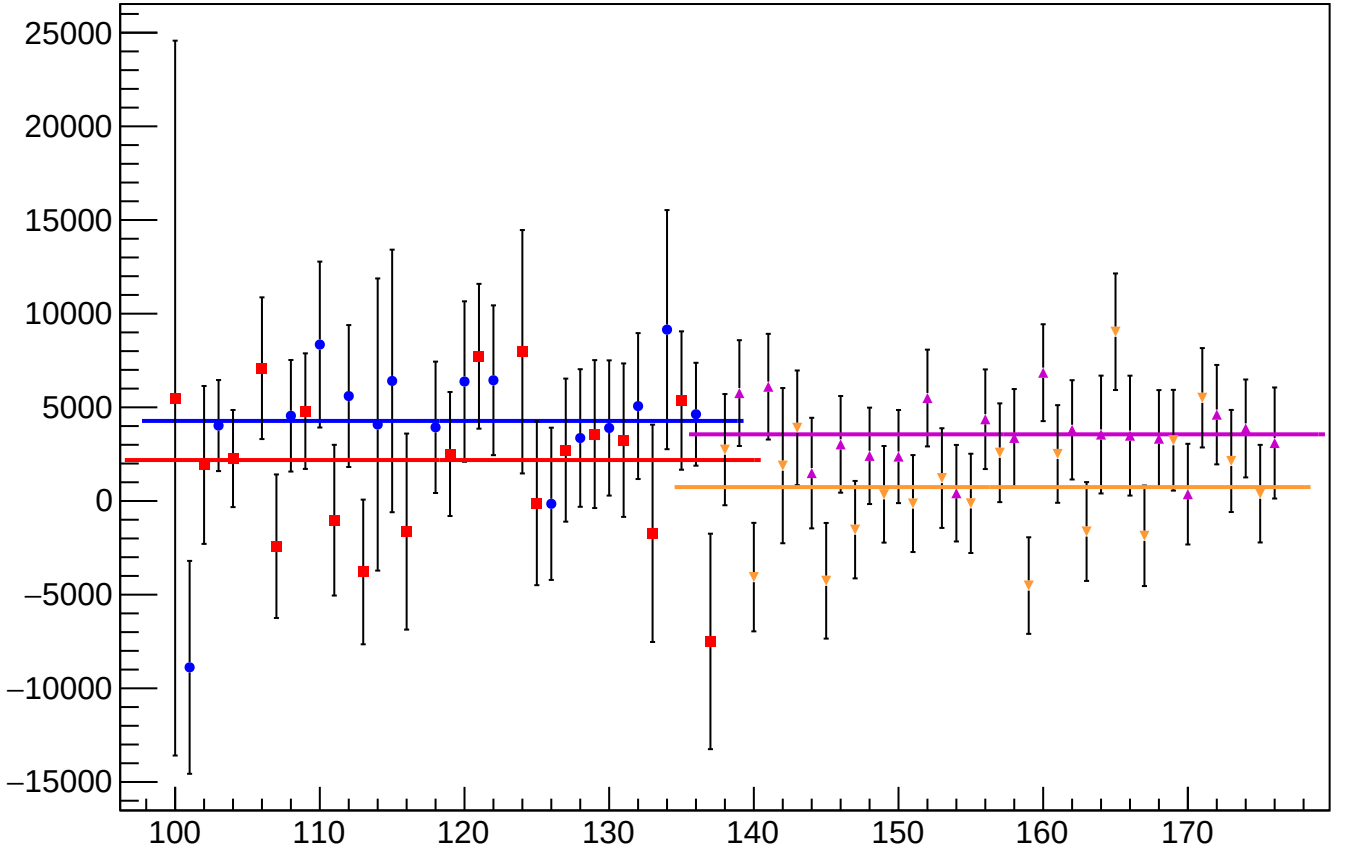
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:4679663.0/34

Out: 0.000+/-0.000 χ^2/NDF:3572339.2/38

All: 0.000+/-0.000 χ^2/NDF: 8252589.7/73

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.465+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3558.829+/-620.402 χ^2/NDF:7.8/18

Left: 2143.706+/-437.608 χ^2/NDF: 44.5/38

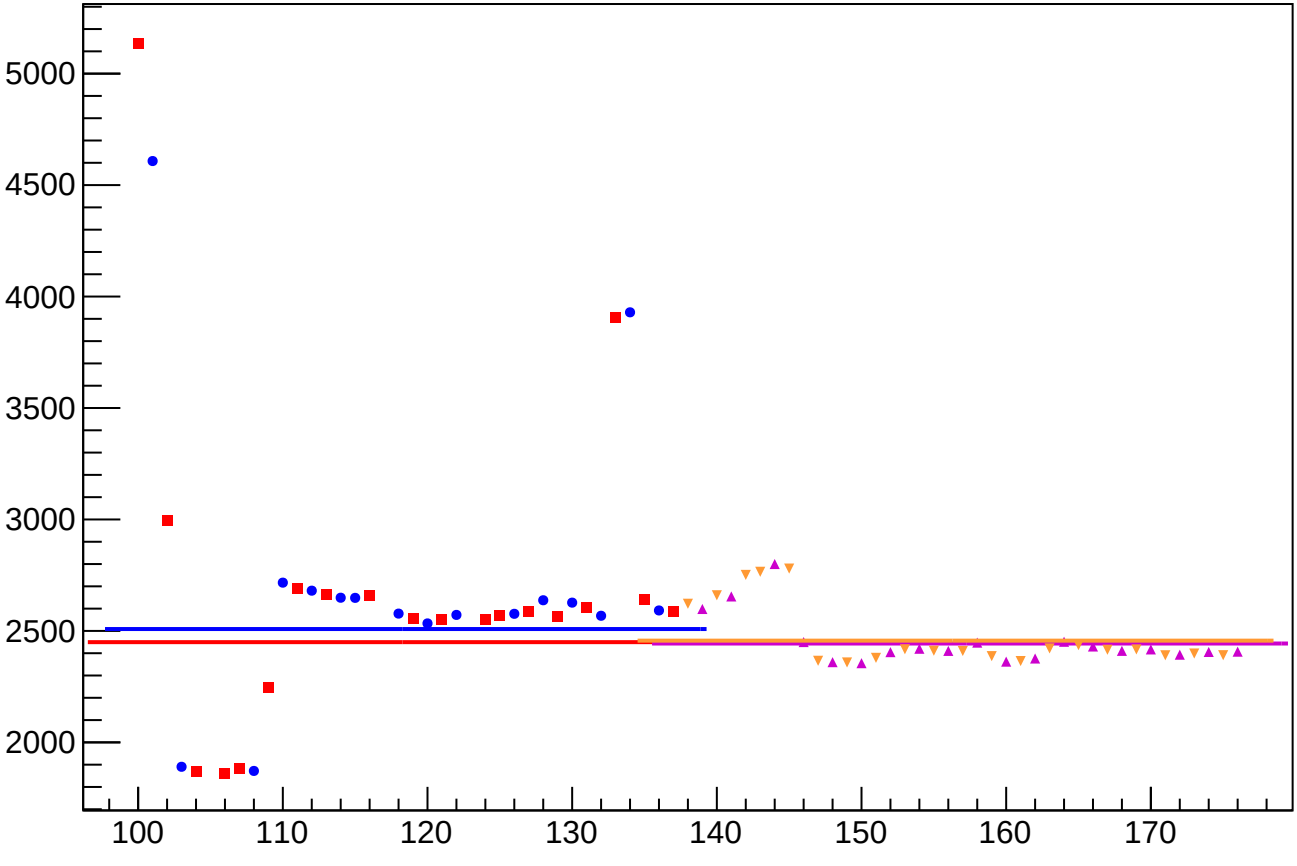
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3772.147+/-519.765 χ^2/NDF:17.1/34

Out: 1189.327+/-512.995 χ^2/NDF:42.8/38

All: 2463.807+/-365.112 χ^2/NDF: 72.4/73

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

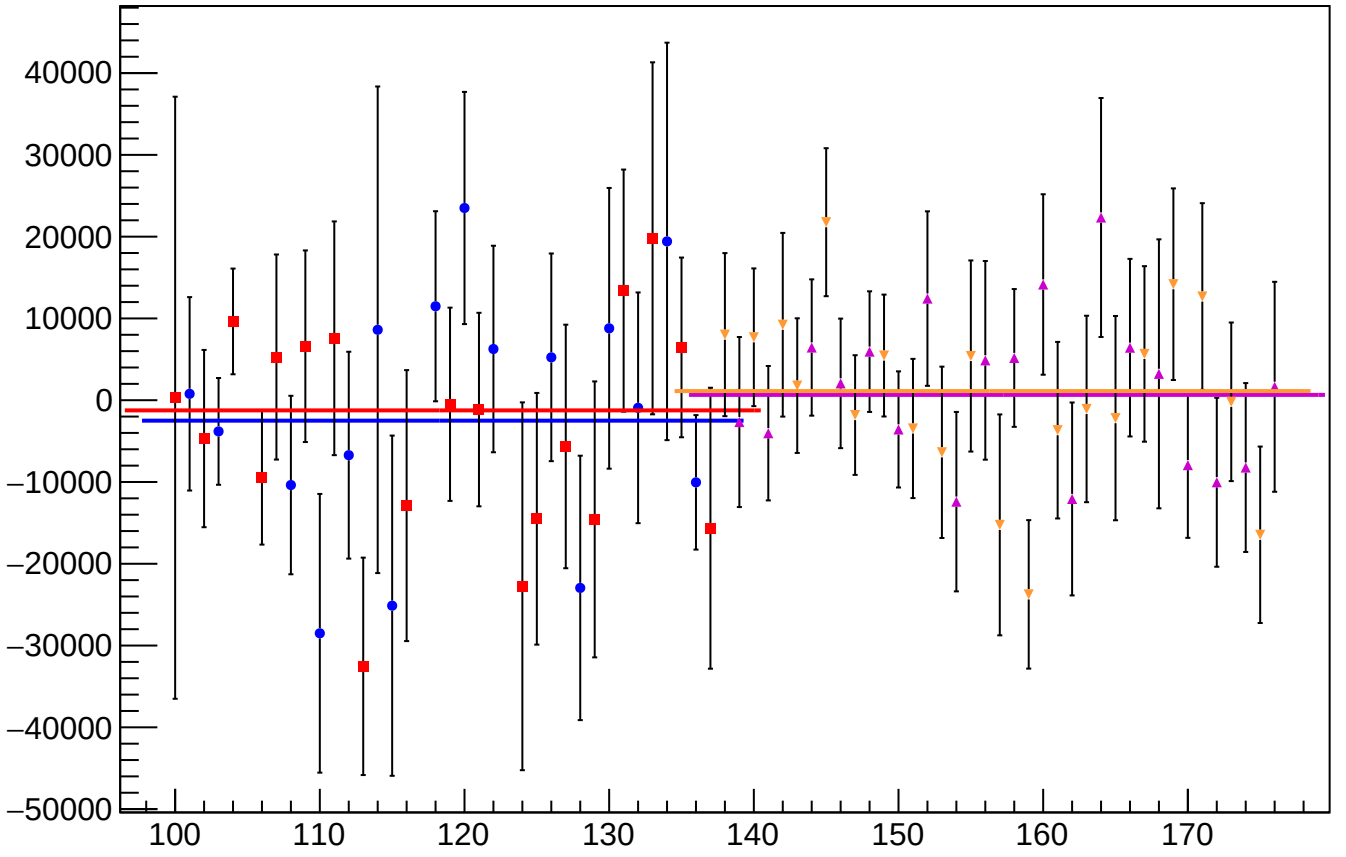
Left: 2449.985+/-0.309 χ^2/NDF: 143539.6/38

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2462.876+/-0.368 χ^2/NDF:675379.4/34

Out: 2454.299+/-0.363 χ^2/NDF:522827.6/38

All: 2458.531+/-0.258 χ^2/NDF: 1198482.9/73



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1117.777+/-2186.646 χ^2/NDF:22.7/19

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 651.228+/-2234.388 χ^2/NDF:12.8/18

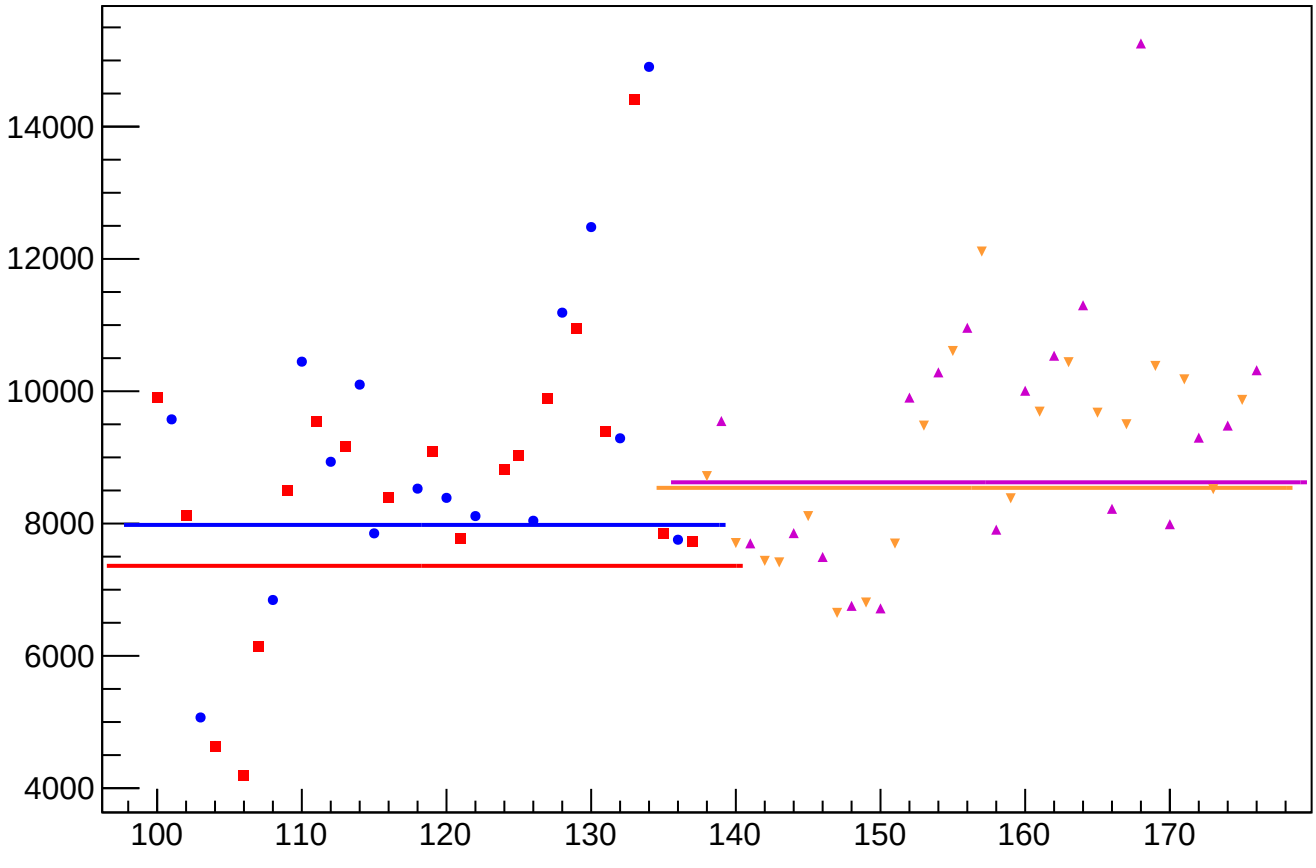
Left: 889.540+/-1562.798 χ^2/NDF: 35.4/38

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -437.606+/-1807.700 χ^2/NDF:27.2/34

Out: 243.571+/-1735.469 χ^2/NDF:39.7/38

All: -83.136+/-1251.919 χ^2/NDF: 67.0/73



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8539.660+/-1.546 χ^2/NDF:793958.1/19

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8623.560+/-1.580 χ^2/NDF:1080682.3/18

Left: 8580.704+/-1.105 χ^2/NDF: 1876080.8/38

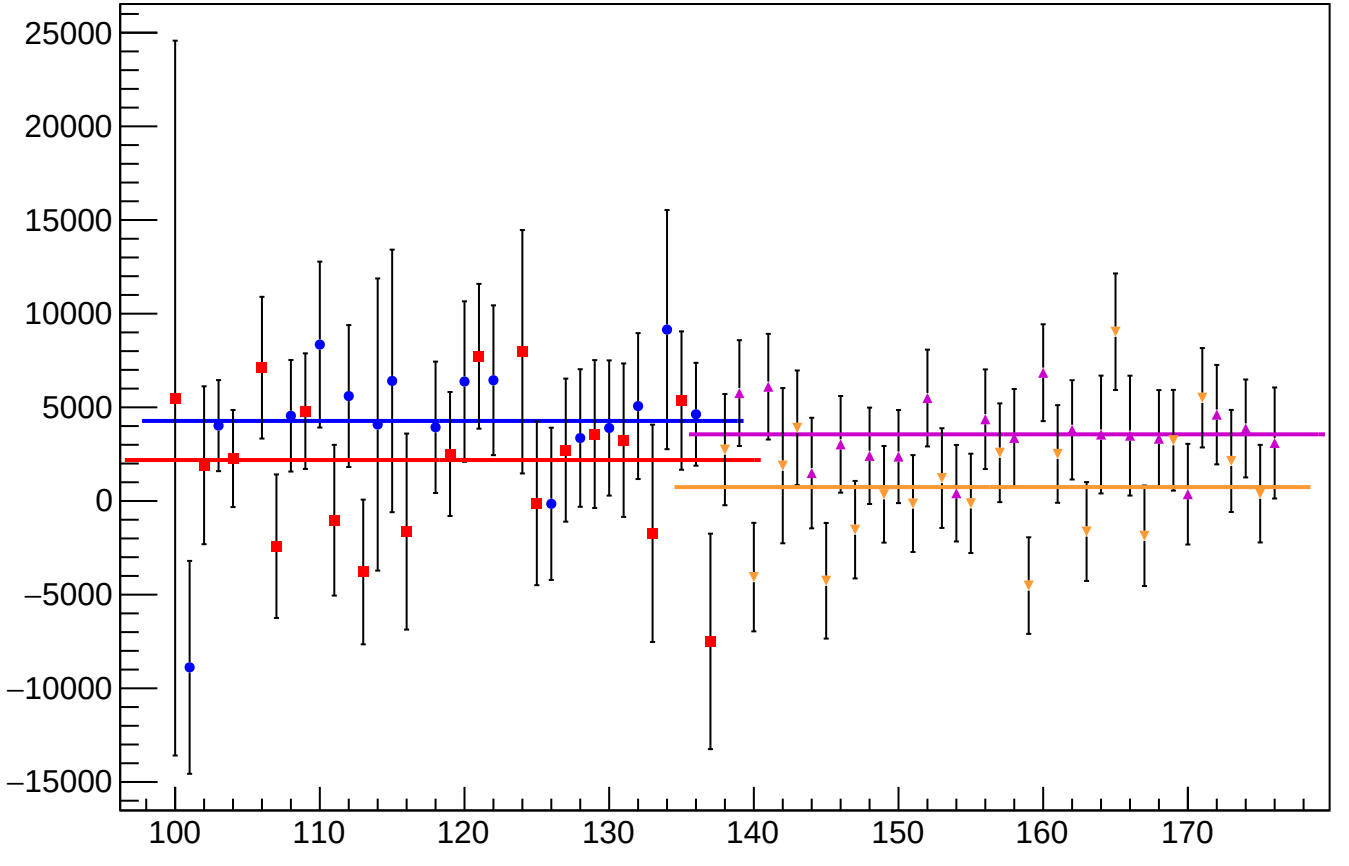
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8401.058+/-1.278 χ^2/NDF:2061175.2/34

Out: 8103.352+/-1.227 χ^2/NDF:2295121.5/38

All: 8246.139+/-0.885 χ^2/NDF: 4384524.2/73

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3558.701+/-620.402 χ^2/NDF:7.8/18

Left: 2143.557+/-437.608 χ^2/NDF: 44.5/38

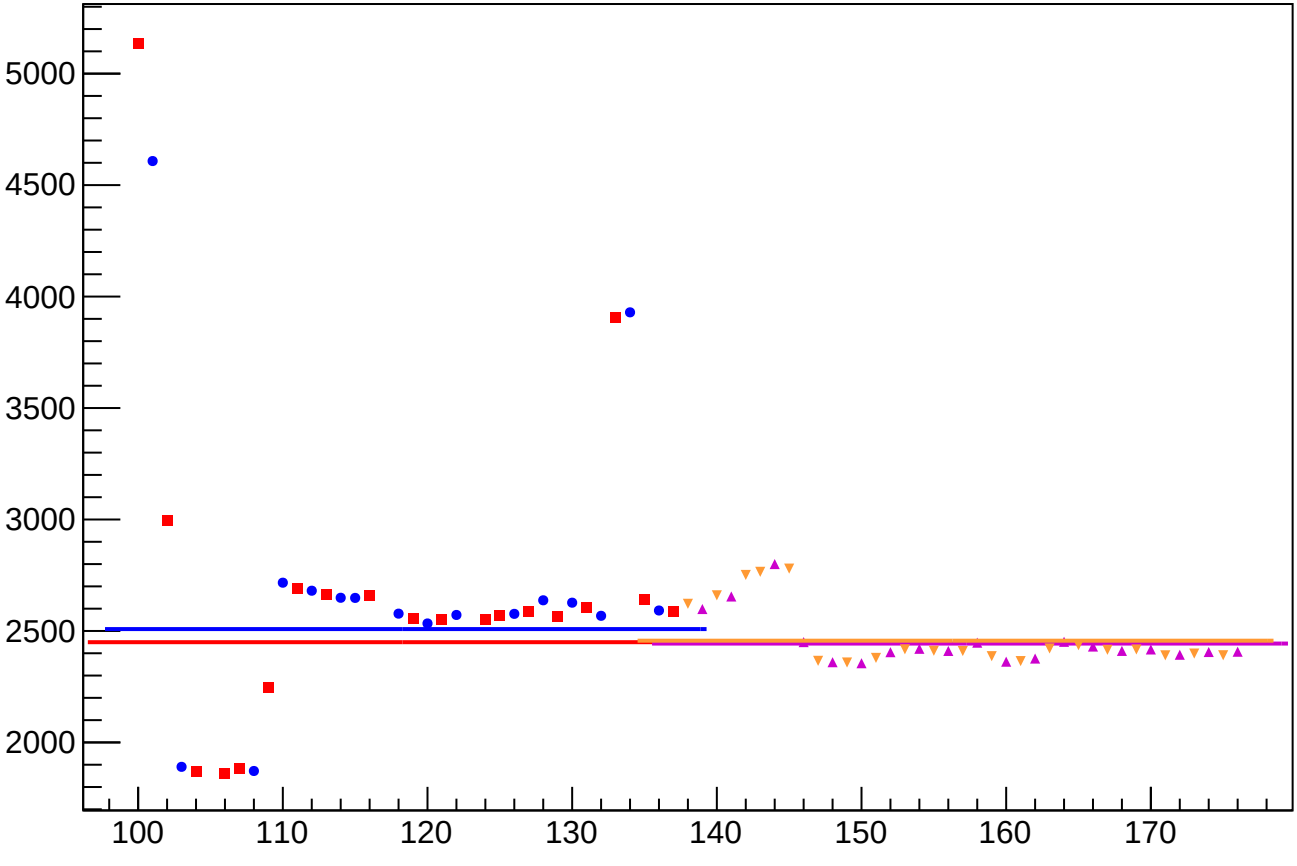
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3771.911+/-519.765 χ^2/NDF:17.1/34

Out: 1189.397+/-512.996 χ^2/NDF:42.9/38

All: 2463.729+/-365.113 χ^2/NDF: 72.4/73

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

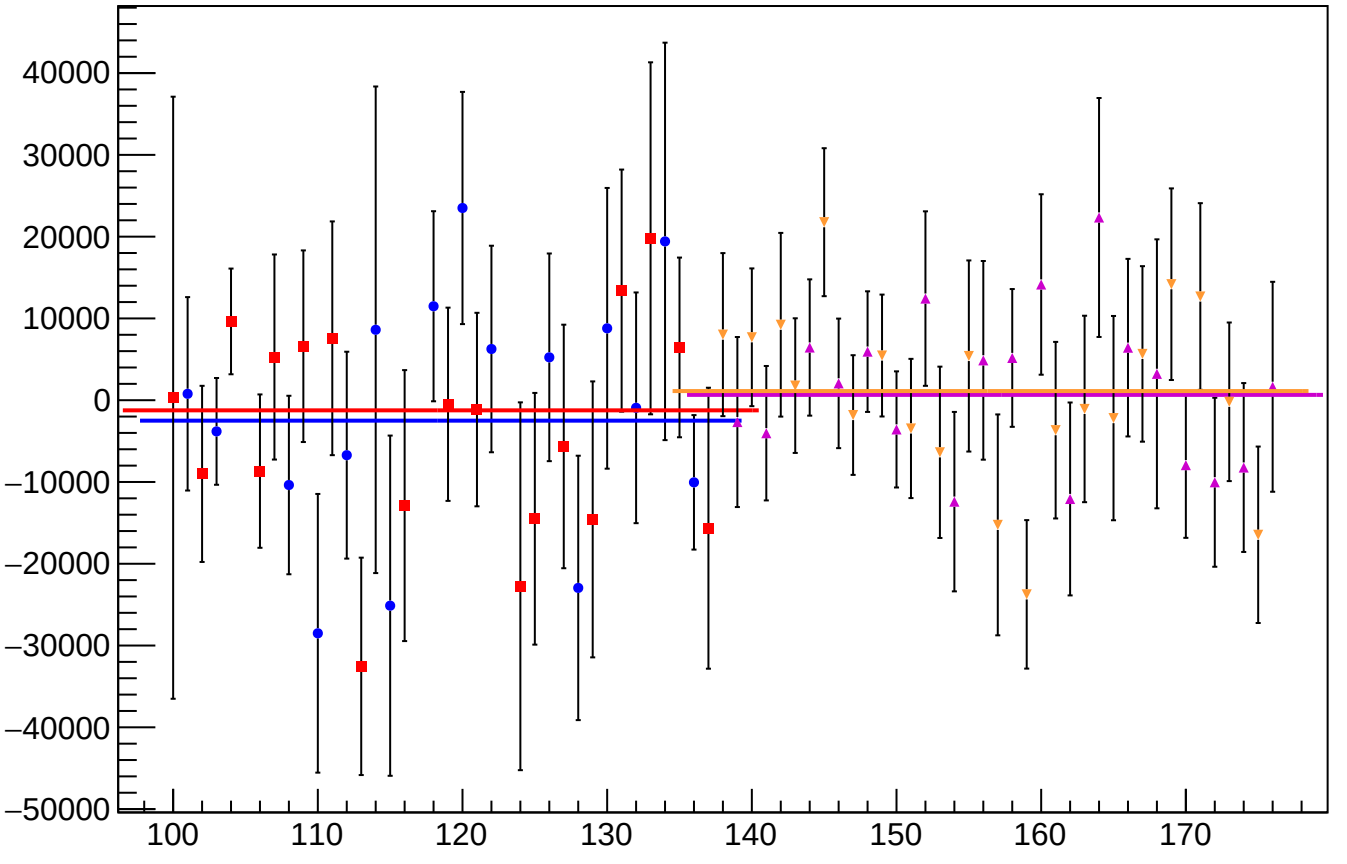
Left: 2449.985+/-0.309 χ^2/NDF: 143539.6/38

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2462.876+/-0.368 χ^2/NDF:675377.4/34

Out: 2454.306+/-0.363 χ^2/NDF:522772.7/38

All: 2458.535+/-0.258 χ^2/NDF: 1198425.5/73



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 651.256+/-2234.387 χ^2/NDF:12.8/18

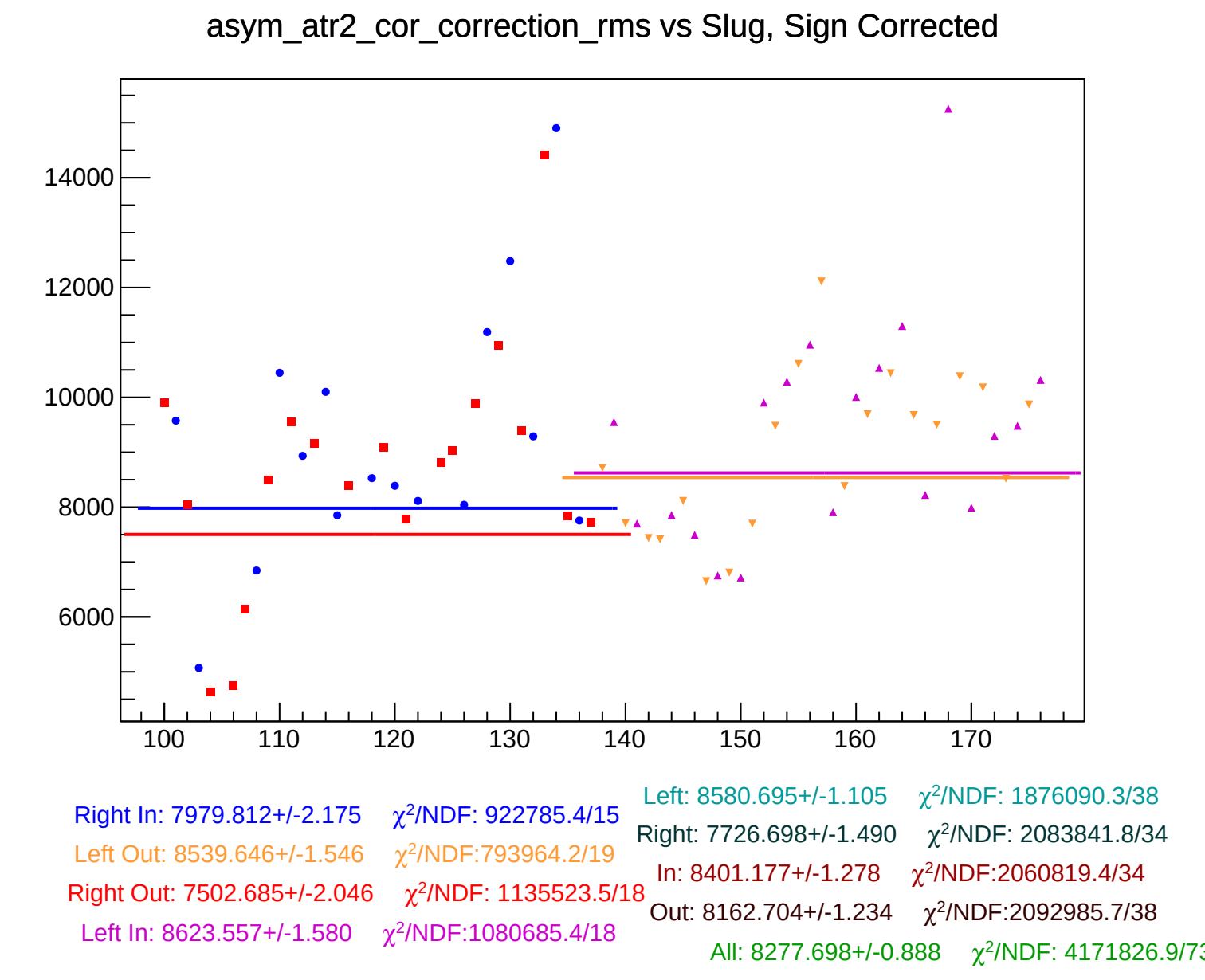
Left: 889.550+/-1562.797 χ^2/NDF: 35.4/38

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

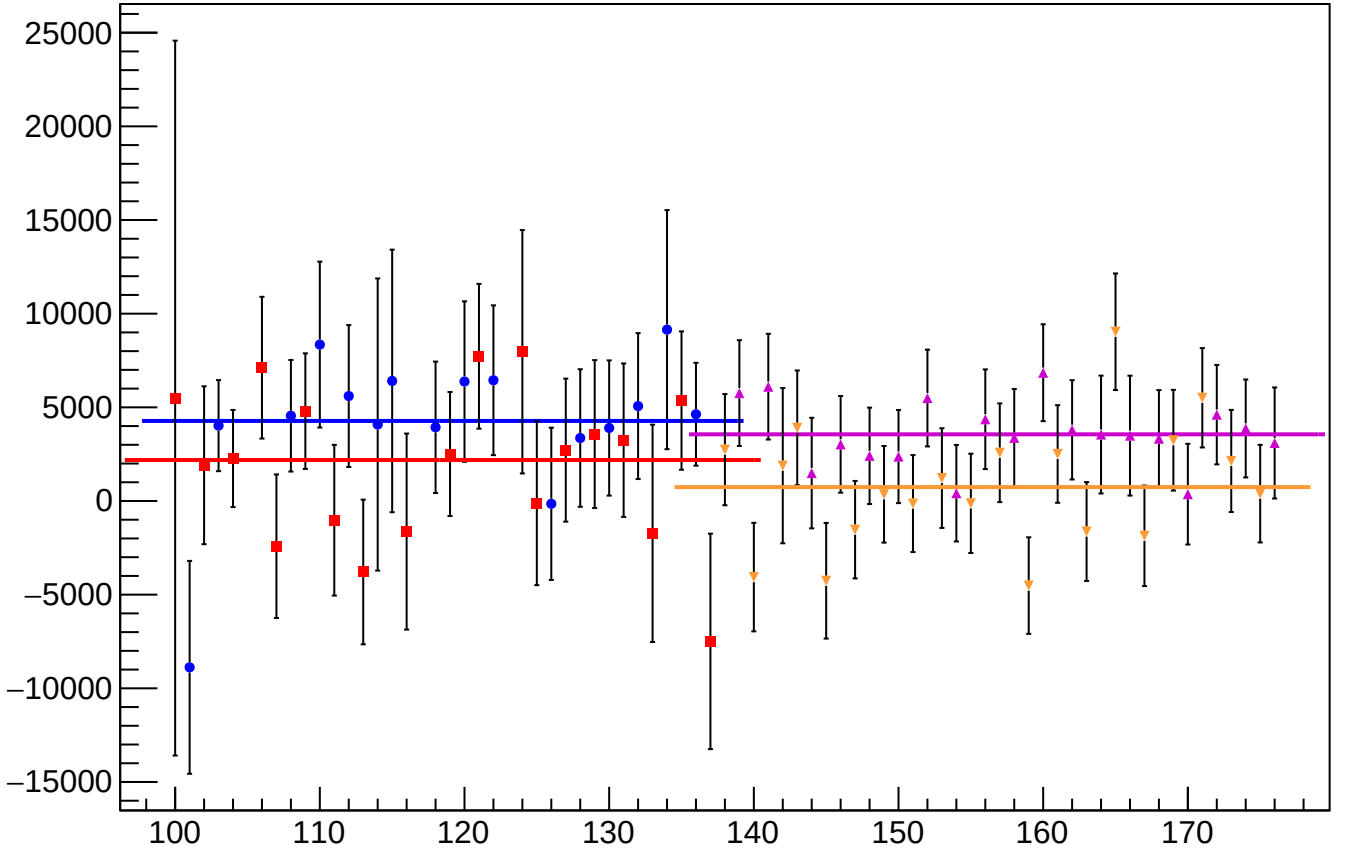
In: -437.469+/-1807.718 χ^2/NDF:27.2/34

Out: 260.741+/-1744.514 χ^2/NDF:39.7/38

All: -75.945+/-1255.307 χ^2/NDF: 67.0/73


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8539.646+/-1.546 χ²/NDF:793964.2/19
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8623.557+/-1.580 χ²/NDF:1080685.4/18
Left: 8580.695+/-1.105 χ²/NDF: 1876090.3/38
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8401.177+/-1.278 χ²/NDF:2060819.4/34
Out: 8162.704+/-1.234 χ²/NDF:2092985.7/38
All: 8277.698+/-0.888 χ²/NDF: 4171826.9/73

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 742.295+/-617.351 χ^2/NDF:26.3/19

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3558.701+/-620.402 χ^2/NDF:7.8/18

Left: 2143.557+/-437.608 χ^2/NDF: 44.5/38

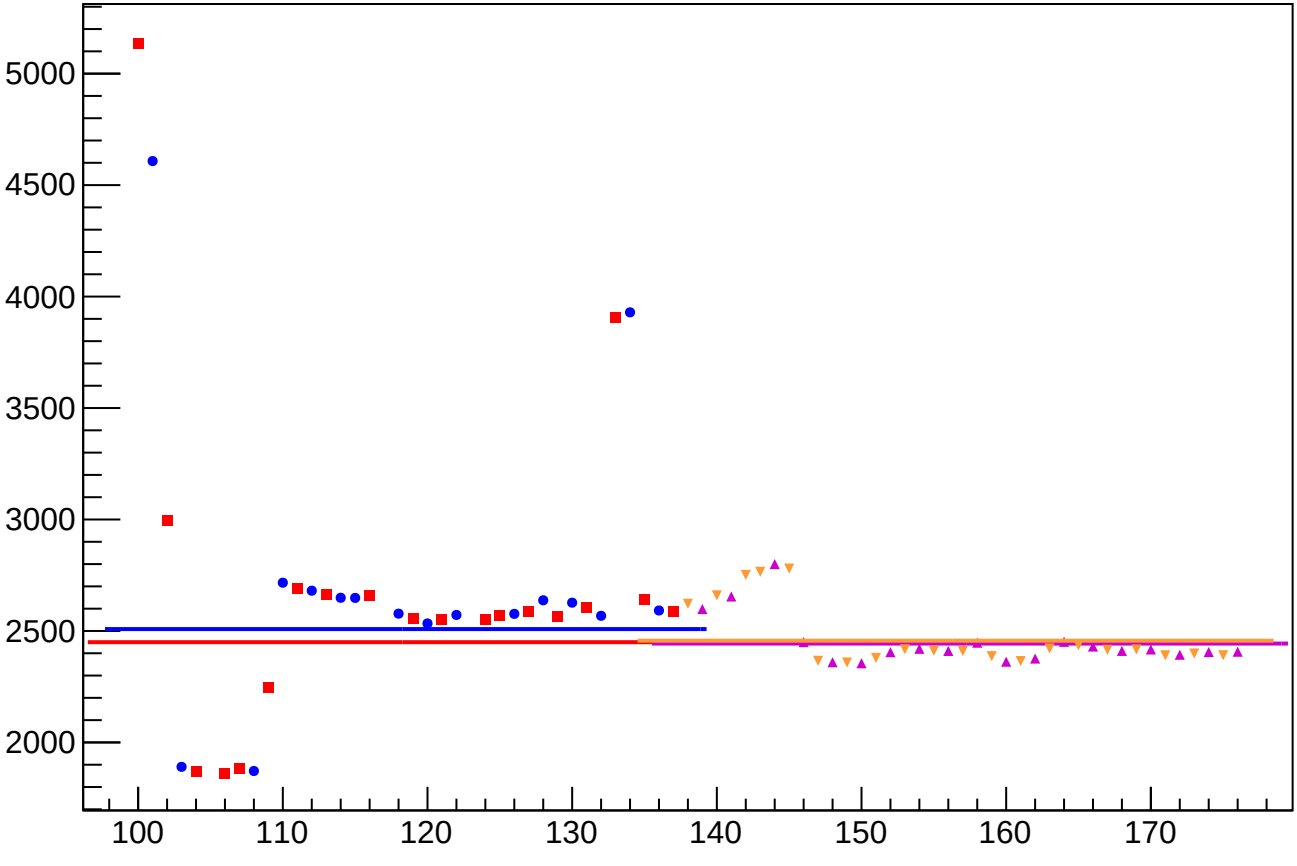
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3771.911+/-519.765 χ^2/NDF:17.1/34

Out: 1189.397+/-512.996 χ^2/NDF:42.9/38

All: 2463.729+/-365.113 χ^2/NDF: 72.4/73

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2456.394+/-0.437 χ^2/NDF:85852.1/19

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

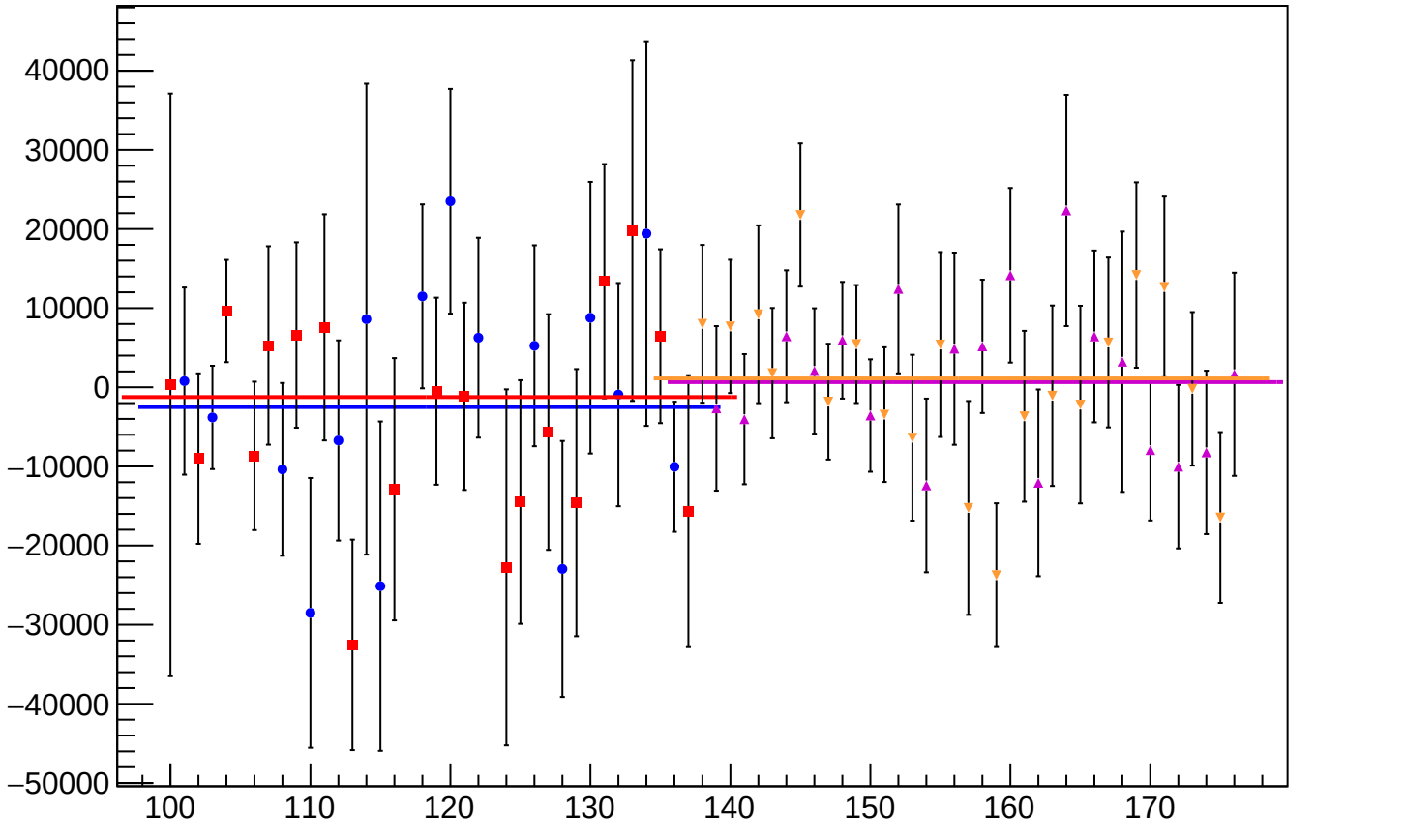
Left: 2449.985+/-0.309 χ^2/NDF: 143539.6/38

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2462.876+/-0.368 χ^2/NDF:675377.4/34

Out: 2454.306+/-0.363 χ^2/NDF:522772.7/38

All: 2458.535+/-0.258 χ^2/NDF: 1198425.5/73



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1117.768+/-2186.642 χ^2/NDF:22.7/19

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 651.256+/-2234.387 χ^2/NDF:12.8/18

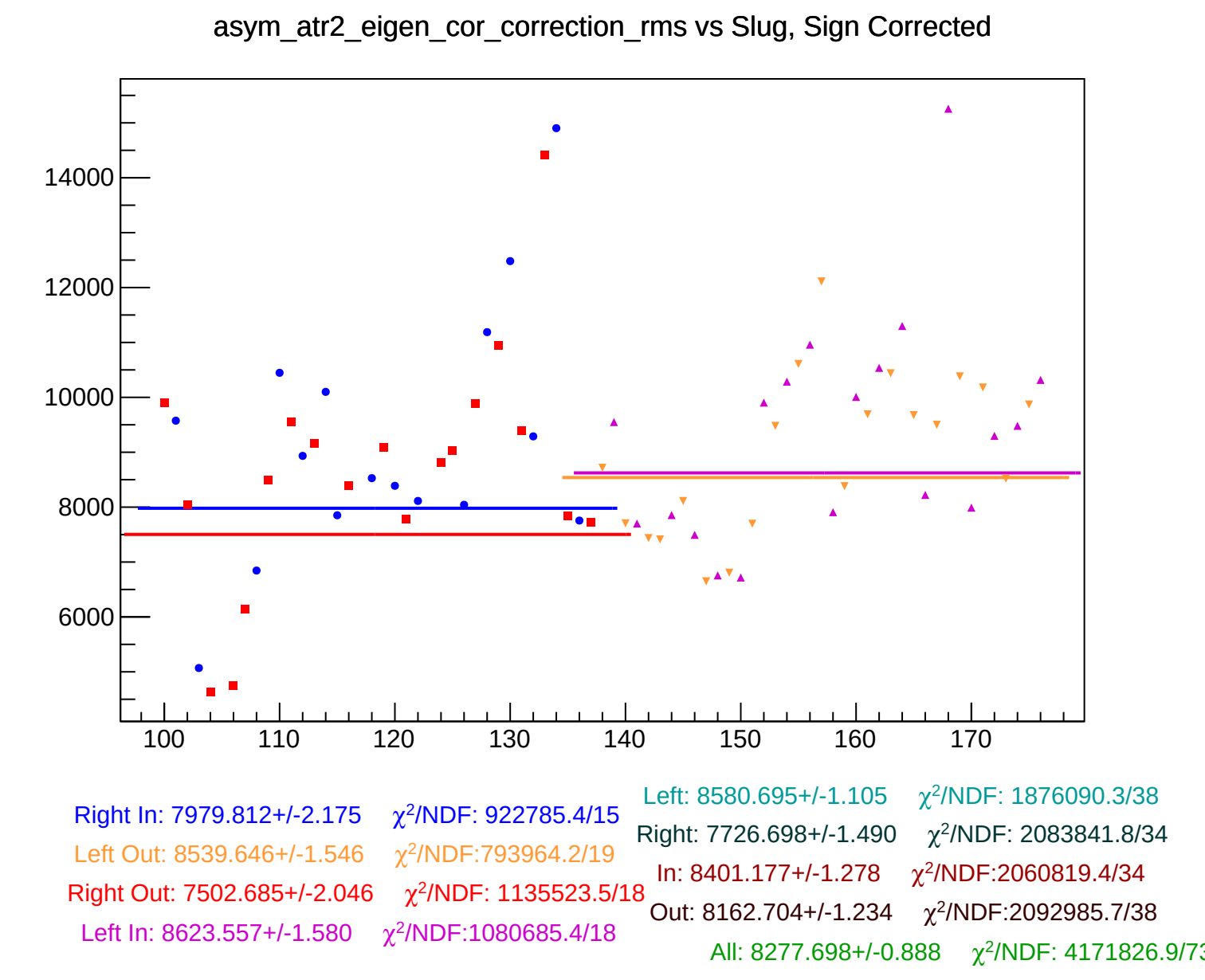
Left: 889.550+/-1562.797 χ^2/NDF: 35.4/38

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

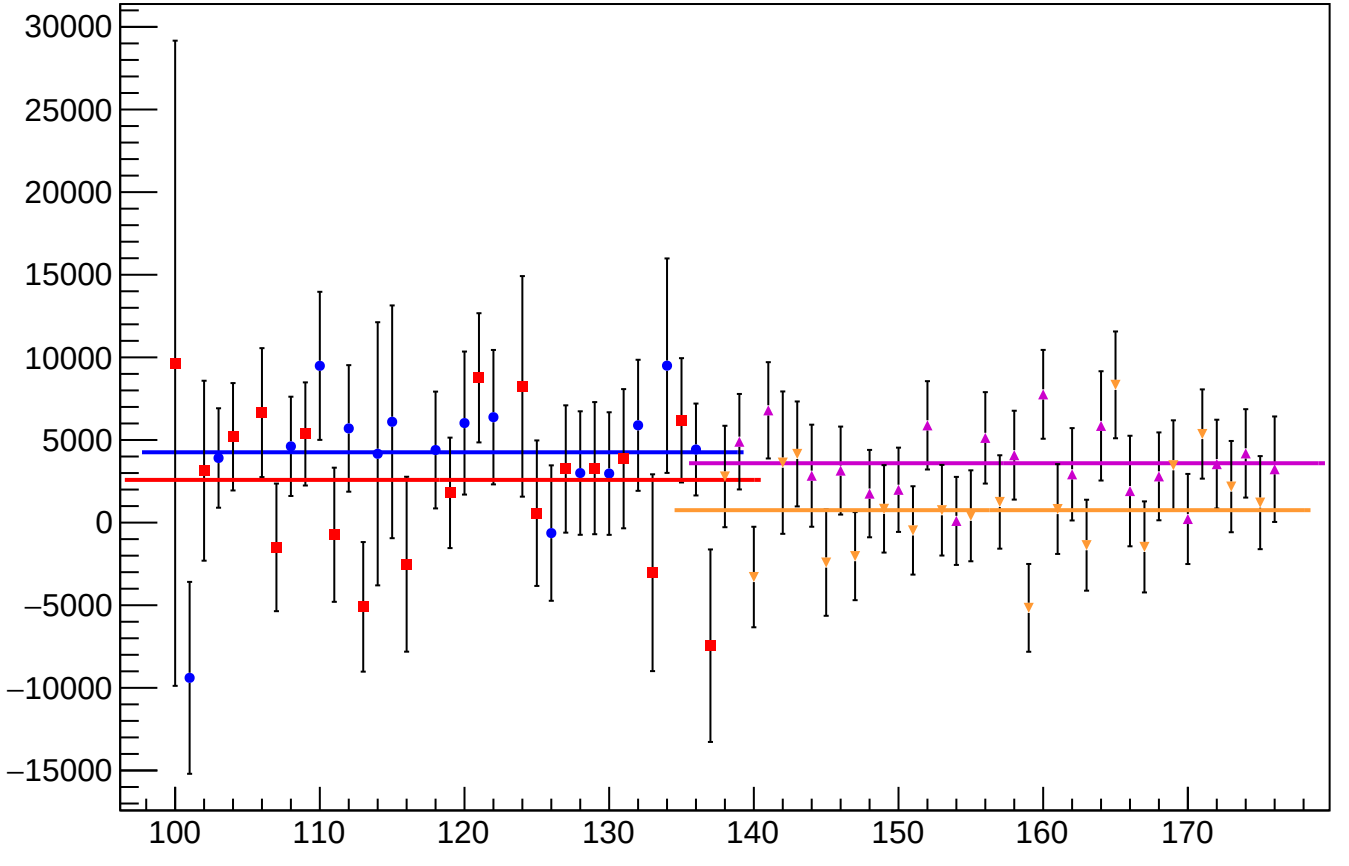
In: -437.469+/-1807.718 χ^2/NDF:27.2/34

Out: 260.741+/-1744.514 χ^2/NDF:39.7/38

All: -75.945+/-1255.307 χ^2/NDF: 67.0/73


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8539.646+/-1.546 χ²/NDF:793964.2/19
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8623.557+/-1.580 χ²/NDF:1080685.4/18
Left: 8580.695+/-1.105 χ²/NDF: 1876090.3/38
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8401.177+/-1.278 χ²/NDF:2060819.4/34
Out: 8162.704+/-1.234 χ²/NDF:2092985.7/38
All: 8277.698+/-0.888 χ²/NDF: 4171826.9/73

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 752.651+/-639.755 χ^2/NDF:22.0/19

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3593.750+/-641.571 χ^2/NDF:10.0/18

Left: 2169.173+/-453.016 χ^2/NDF: 41.9/38

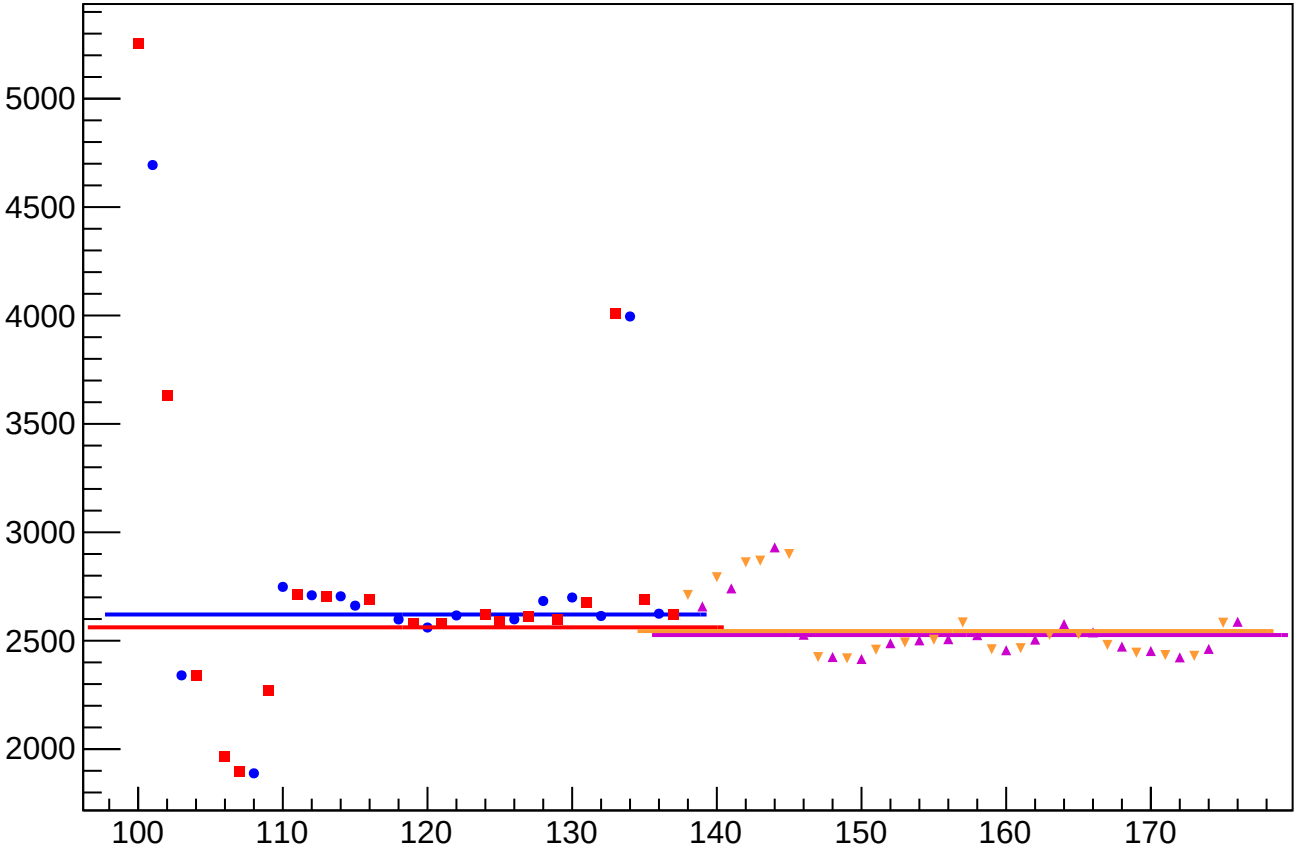
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3789.755+/-538.487 χ^2/NDF:20.4/34

Out: 1311.167+/-533.396 χ^2/NDF:42.2/38

All: 2538.688+/-378.955 χ^2/NDF: 73.3/73

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2544.541+/-0.452 χ^2/NDF:102223.5/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2526.115+/-0.454 χ^2/NDF:65753.0/18

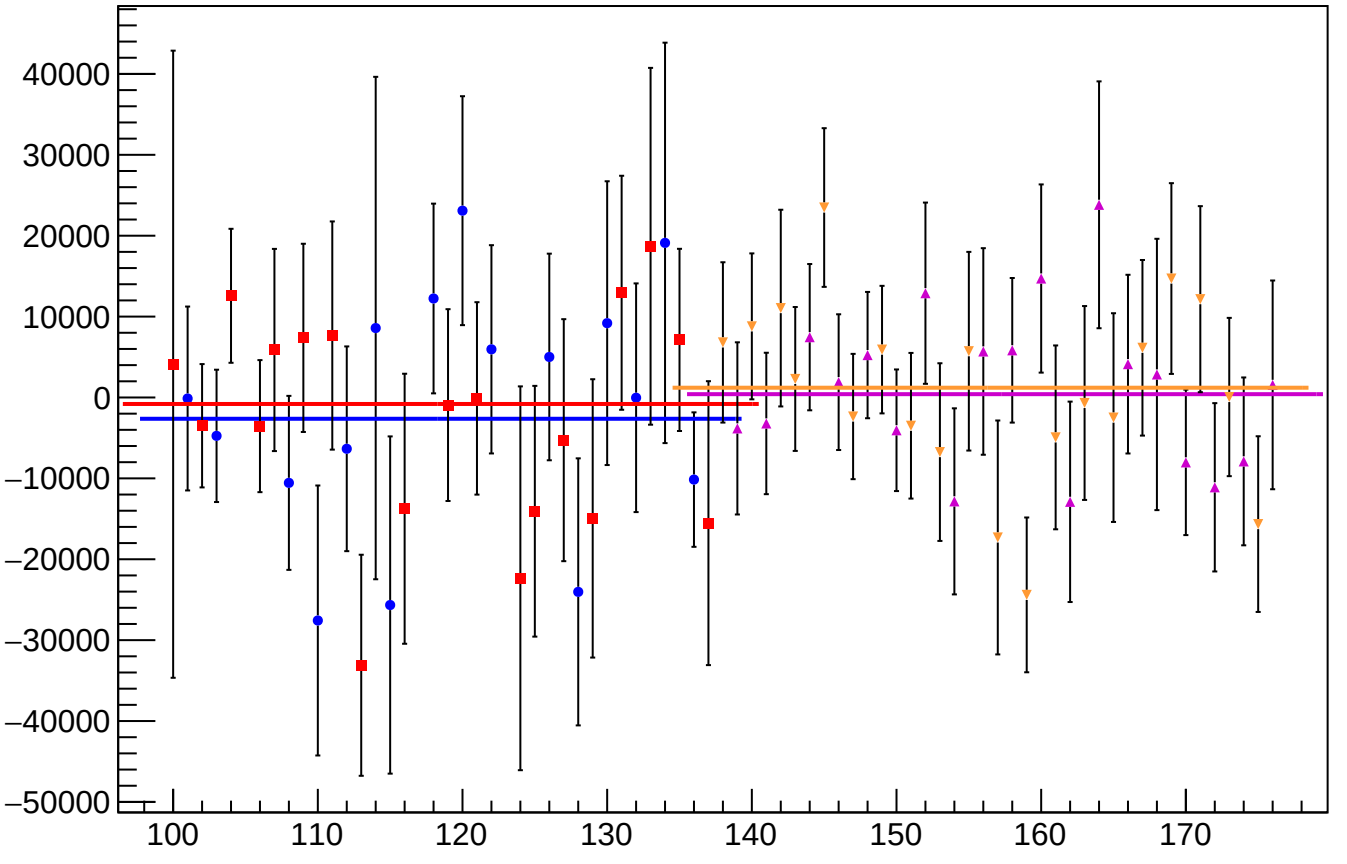
Left: 2535.354+/-0.320 χ^2/NDF: 168803.7/38

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2554.146+/-0.381 χ^2/NDF:564585.5/34

Out: 2549.782+/-0.377 χ^2/NDF:480922.9/38

All: 2551.943+/-0.268 χ^2/NDF: 1045574.7/73



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1207.099+/-2288.938 χ^2/NDF:22.4/19

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 409.566+/-2334.567 χ^2/NDF:12.7/18

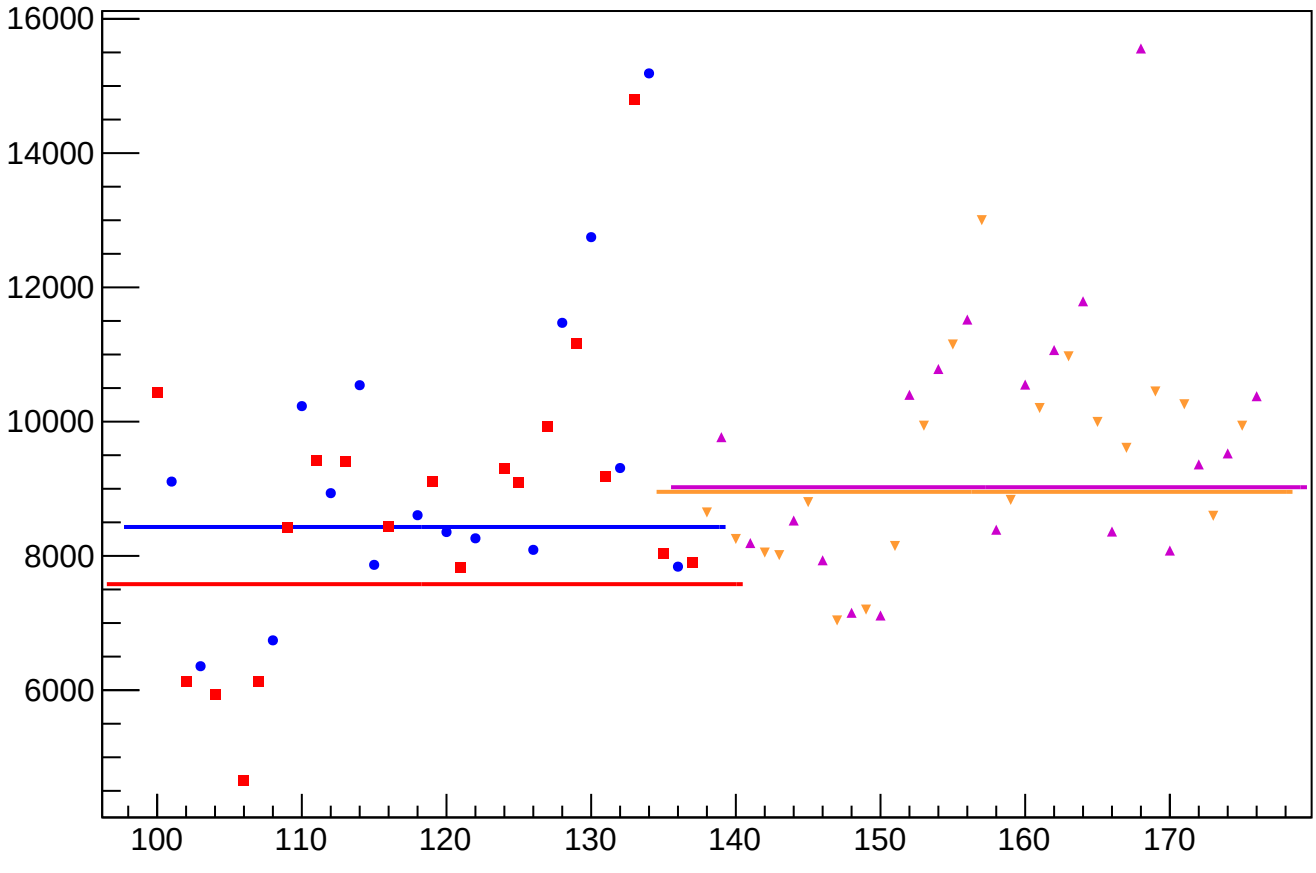
Left: 816.203+/-1634.417 χ^2/NDF: 35.2/38

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -641.991+/-1888.349 χ^2/NDF:27.1/34

Out: 426.638+/-1790.217 χ^2/NDF:38.1/38

All: -79.189+/-1299.182 χ^2/NDF: 65.4/73



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8954.437+/-1.619 χ^2/NDF:700671.1/19

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9023.214+/-1.651 χ^2/NDF:991849.0/18

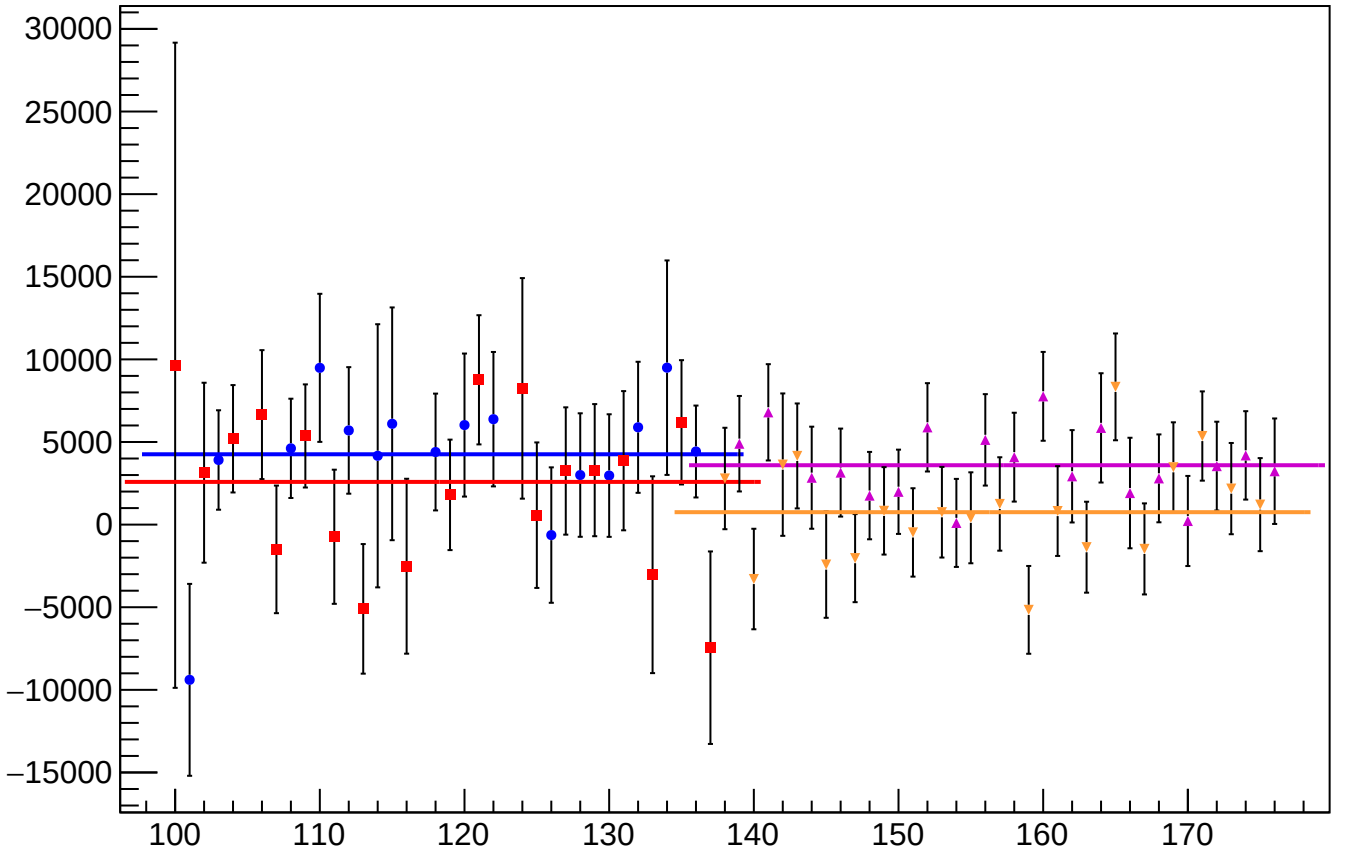
Left: 8988.147+/-1.156 χ^2/NDF: 1693405.2/38

Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

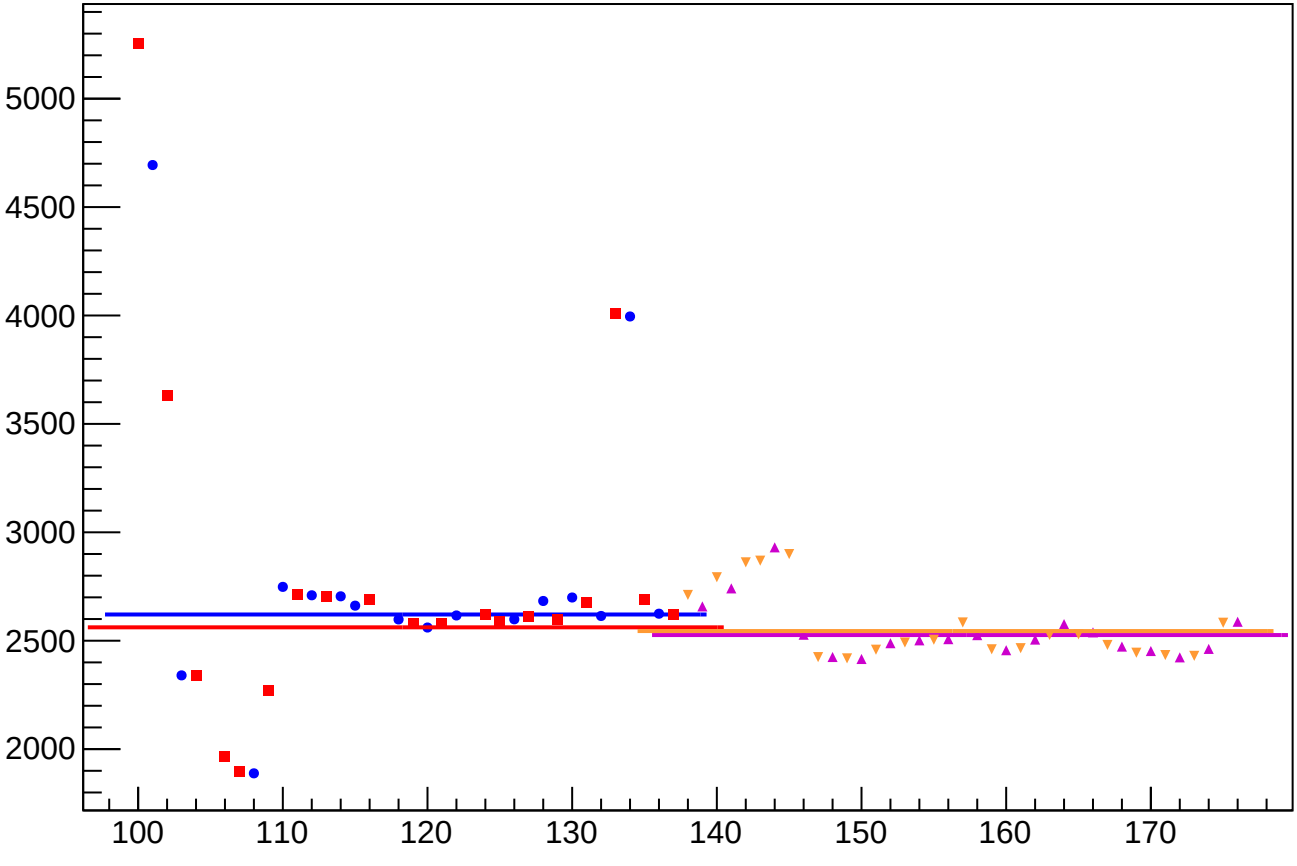
In: 8818.383+/-1.335 χ^2/NDF:1616675.0/34

Out: 8420.408+/-1.266 χ^2/NDF:1955168.7/38

All: 8608.786+/-0.919 χ^2/NDF: 3618628.7/73


eigen_dit_asym_atr2_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 4256.984+/-990.541 χ²/NDF: 10.1/15
Left Out: 752.638+/-639.755 χ²/NDF:22.0/19
Right Out: 2584.699+/-966.048 χ²/NDF: 17.6/18
Left In: 3593.754+/-641.572 χ²/NDF:10.0/18
Left: 2169.169+/-453.016 χ²/NDF: 41.9/38
Right: 3399.911+/-691.596 χ²/NDF: 29.1/34
In: 3789.761+/-538.487 χ²/NDF:20.4/34
Out: 1311.162+/-533.396 χ²/NDF:42.2/38
All: 2538.688+/-378.955 χ²/NDF: 73.3/73

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2544.543+/-0.452 χ^2/NDF:102223.7/19

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.117+/-0.454 χ^2/NDF:65752.9/18

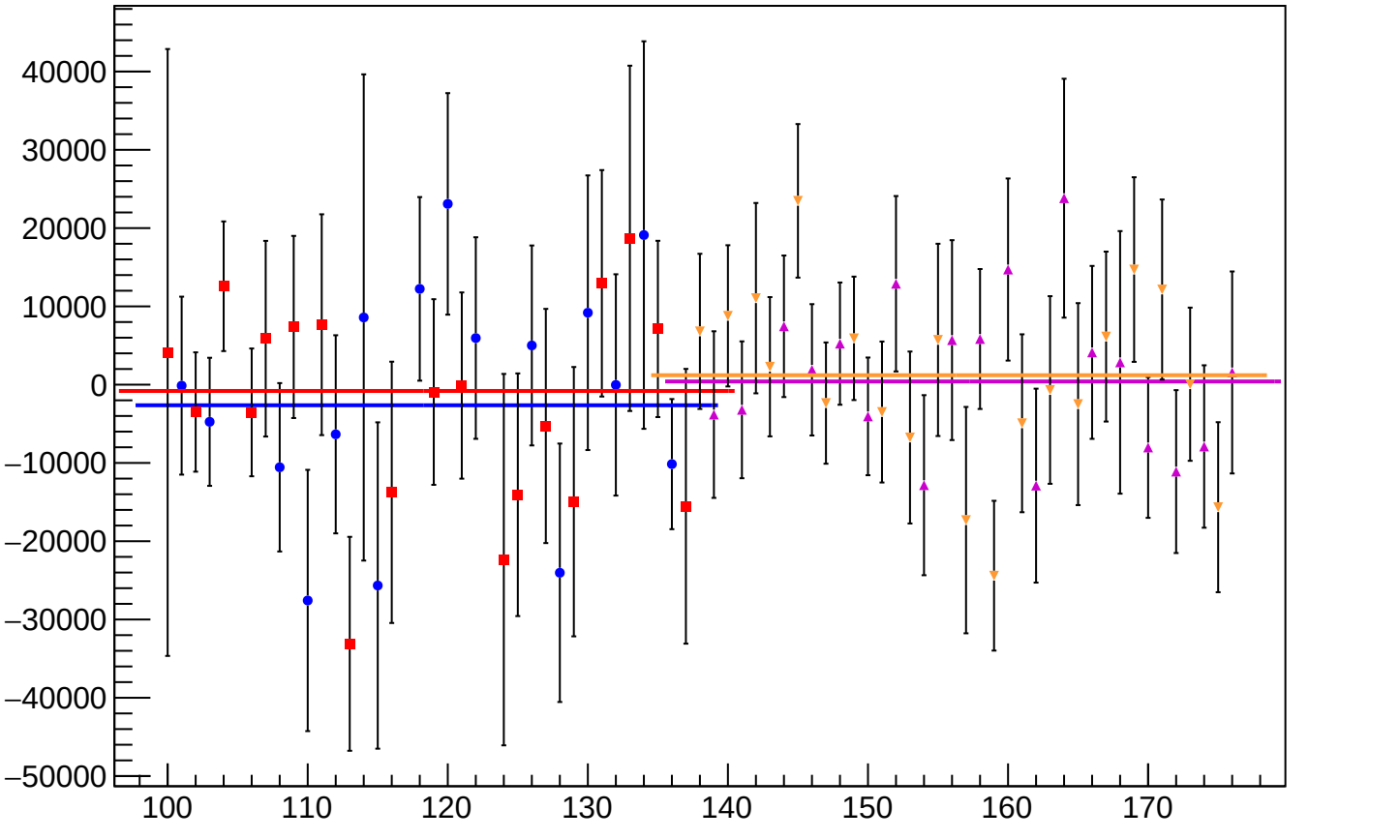
Left: 2535.356+/-0.320 χ^2/NDF: 168803.7/38

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2554.147+/-0.381 χ^2/NDF:564584.8/34

Out: 2549.783+/-0.377 χ^2/NDF:480922.4/38

All: 2551.944+/-0.268 χ^2/NDF: 1045573.5/73



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1207.096+/-2288.942 χ^2/NDF:22.4/19

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 409.562+/-2334.571 χ^2/NDF:12.7/18

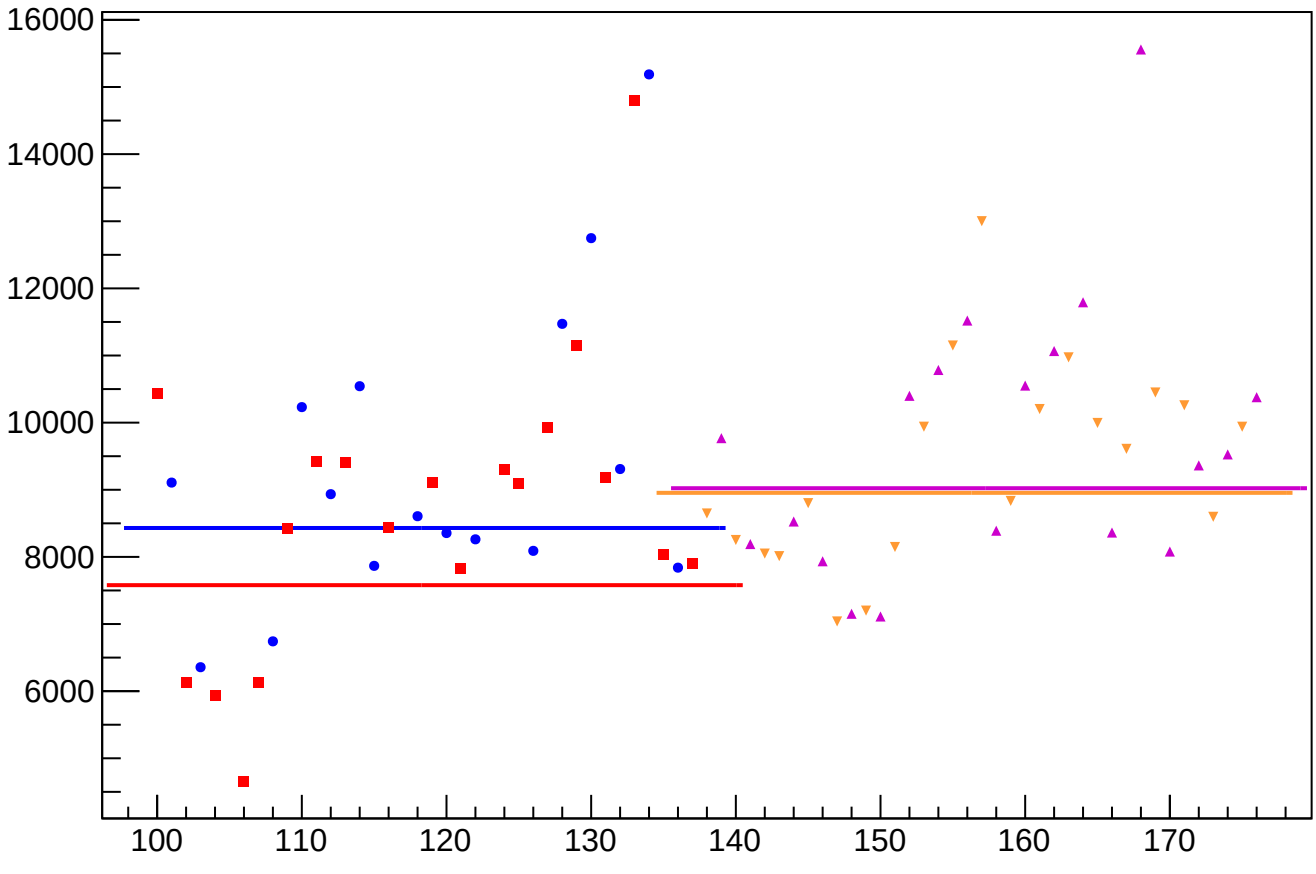
Left: 816.199+/-1634.420 χ^2/NDF: 35.2/38

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -641.986+/-1888.350 χ^2/NDF:27.1/34

Out: 426.634+/-1790.218 χ^2/NDF:38.1/38

All: -79.189+/-1299.182 χ^2/NDF: 65.4/73



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8954.451+/-1.619 χ^2/NDF:700671.0/19

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9023.228+/-1.651 χ^2/NDF:991850.2/18

Left: 8988.161+/-1.156 χ^2/NDF: 1693406.3/38

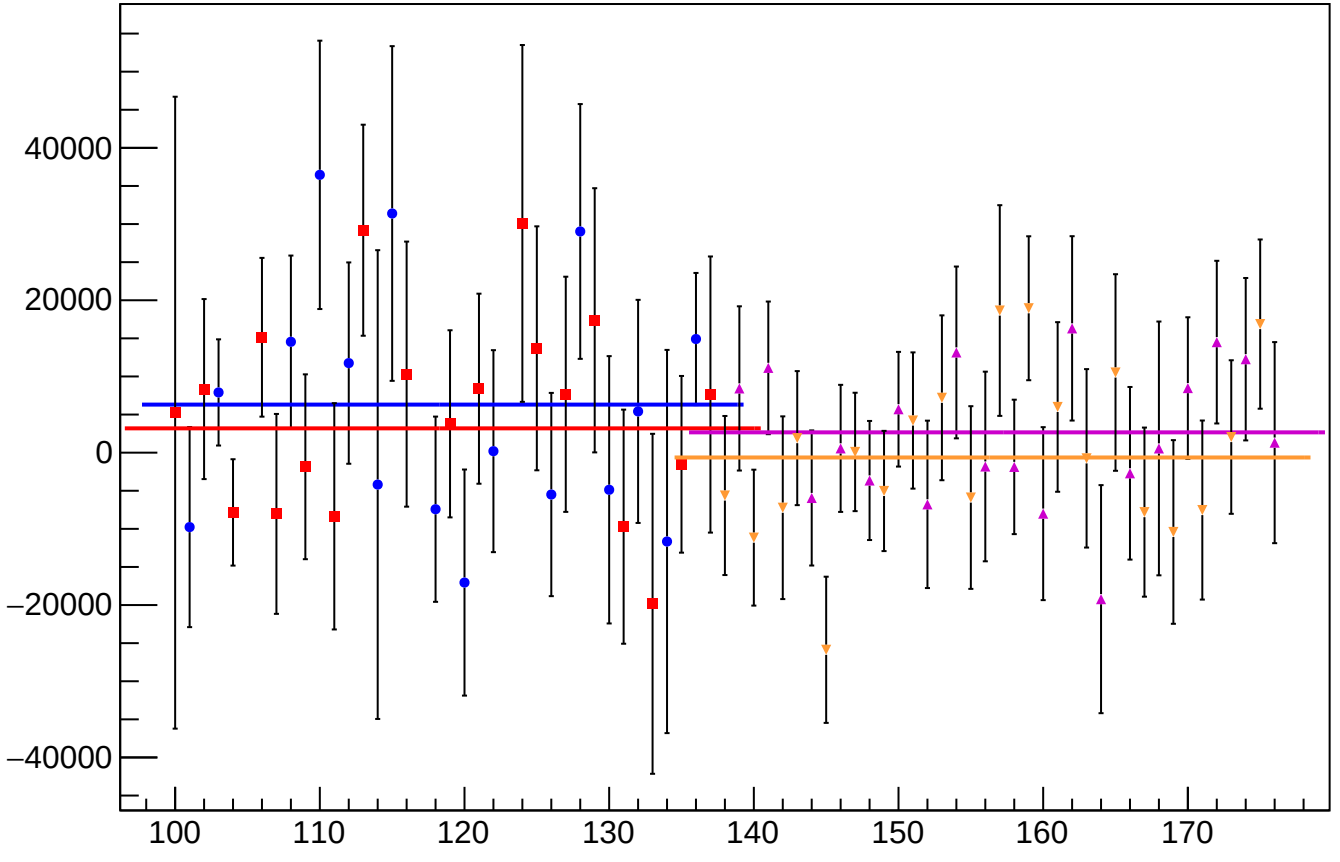
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8818.388+/-1.335 χ^2/NDF:1616674.1/34

Out: 8420.410+/-1.266 χ^2/NDF:1955175.7/38

All: 8608.789+/-0.919 χ^2/NDF: 3618635.3/73

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -632.412+/-2287.102 χ^2/NDF:21.6/19

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2664.364+/-2332.689 χ^2/NDF:12.0/18

Left: 983.448+/-1633.104 χ^2/NDF: 34.6/38

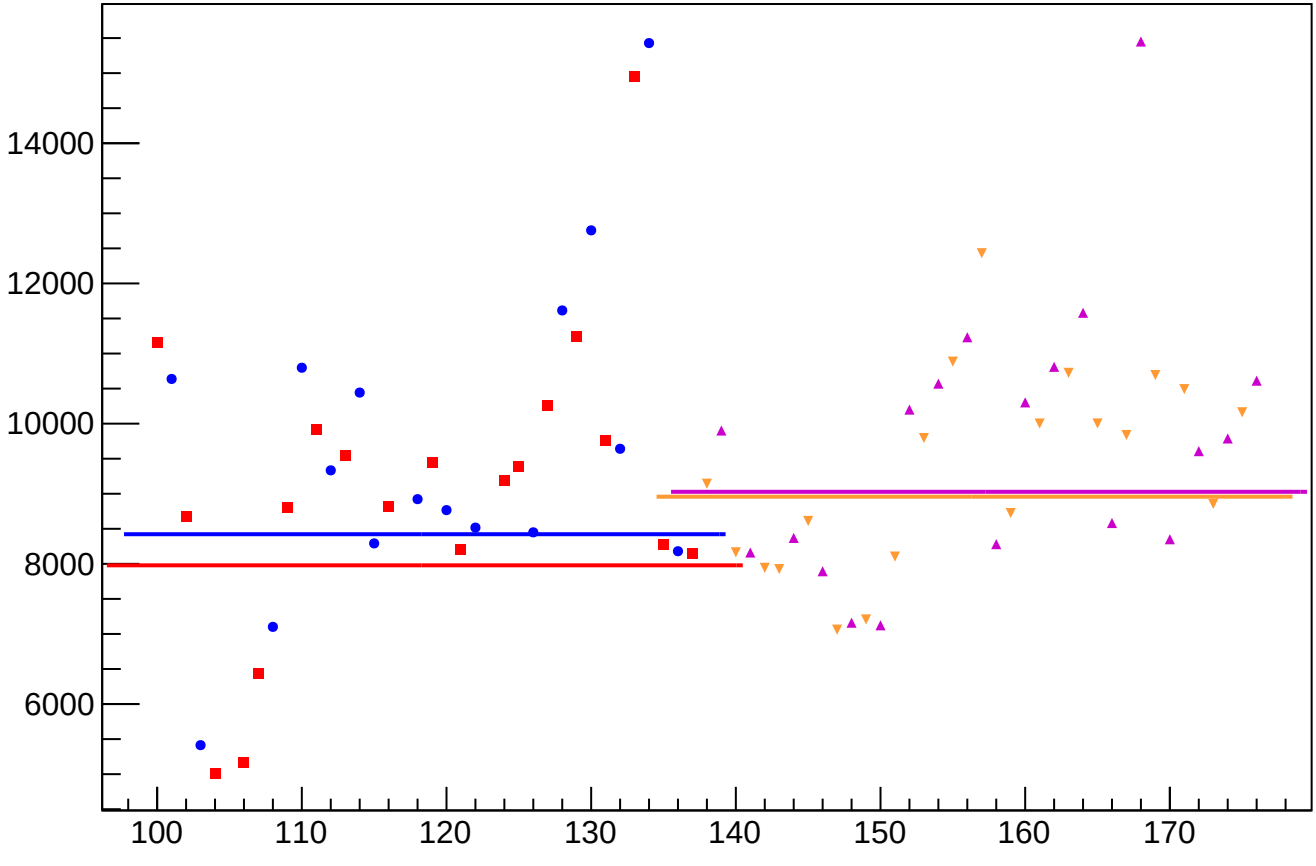
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3908.088+/-1893.029 χ^2/NDF:28.0/34

Out: 732.405+/-1833.799 χ^2/NDF:36.5/38

All: 2269.789+/-1317.133 χ^2/NDF: 65.9/73

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8957.929+/-1.617 χ^2/NDF:676042.2/19

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9027.701+/-1.649 χ^2/NDF:943604.4/18

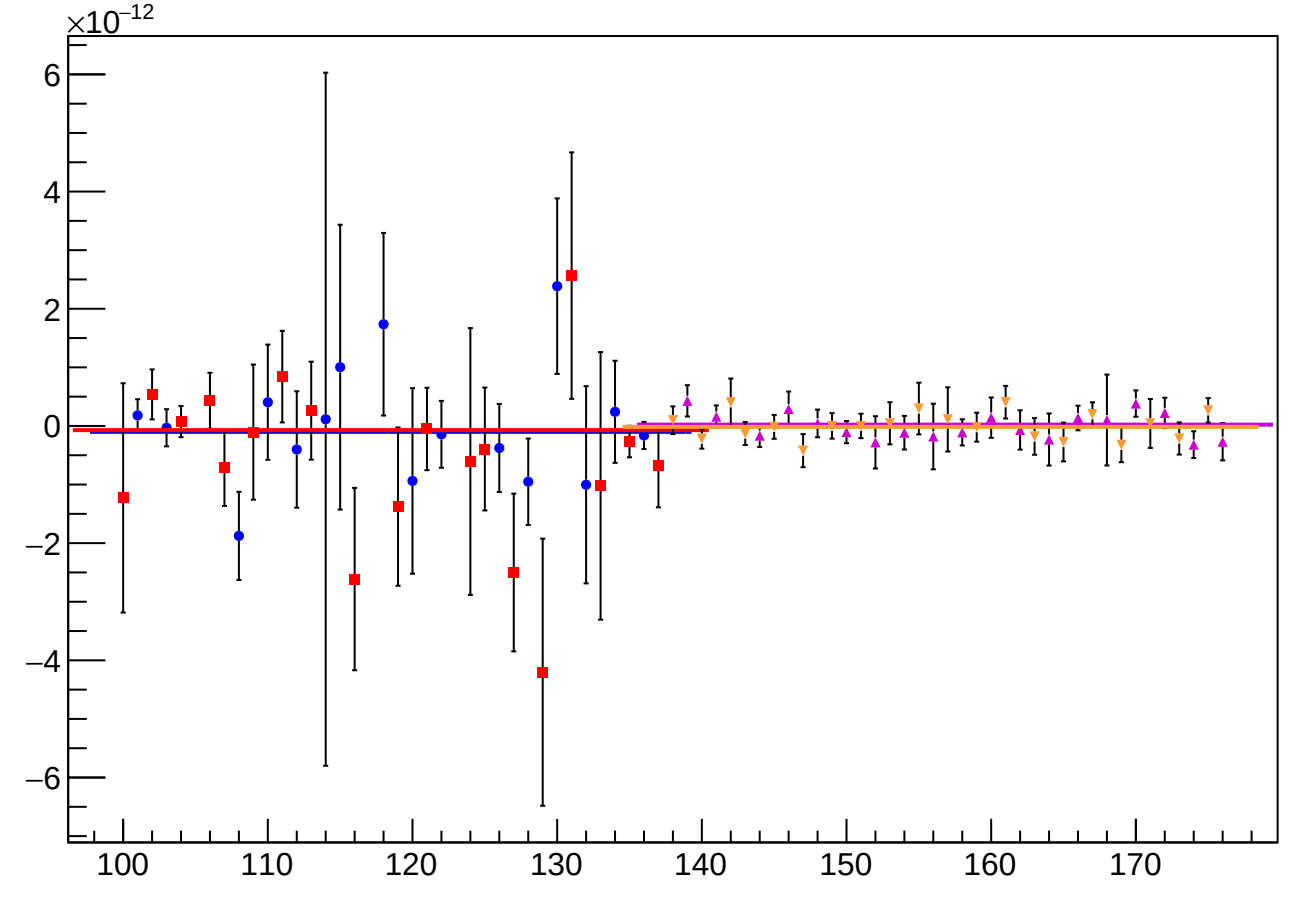
Left: 8992.126+/-1.155 χ^2/NDF: 1620558.9/38

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8821.140+/-1.339 χ^2/NDF:1871369.4/34

Out: 8608.328+/-1.297 χ^2/NDF:1822914.4/38

All: 8711.352+/-0.931 χ^2/NDF: 3707323.5/73



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/18

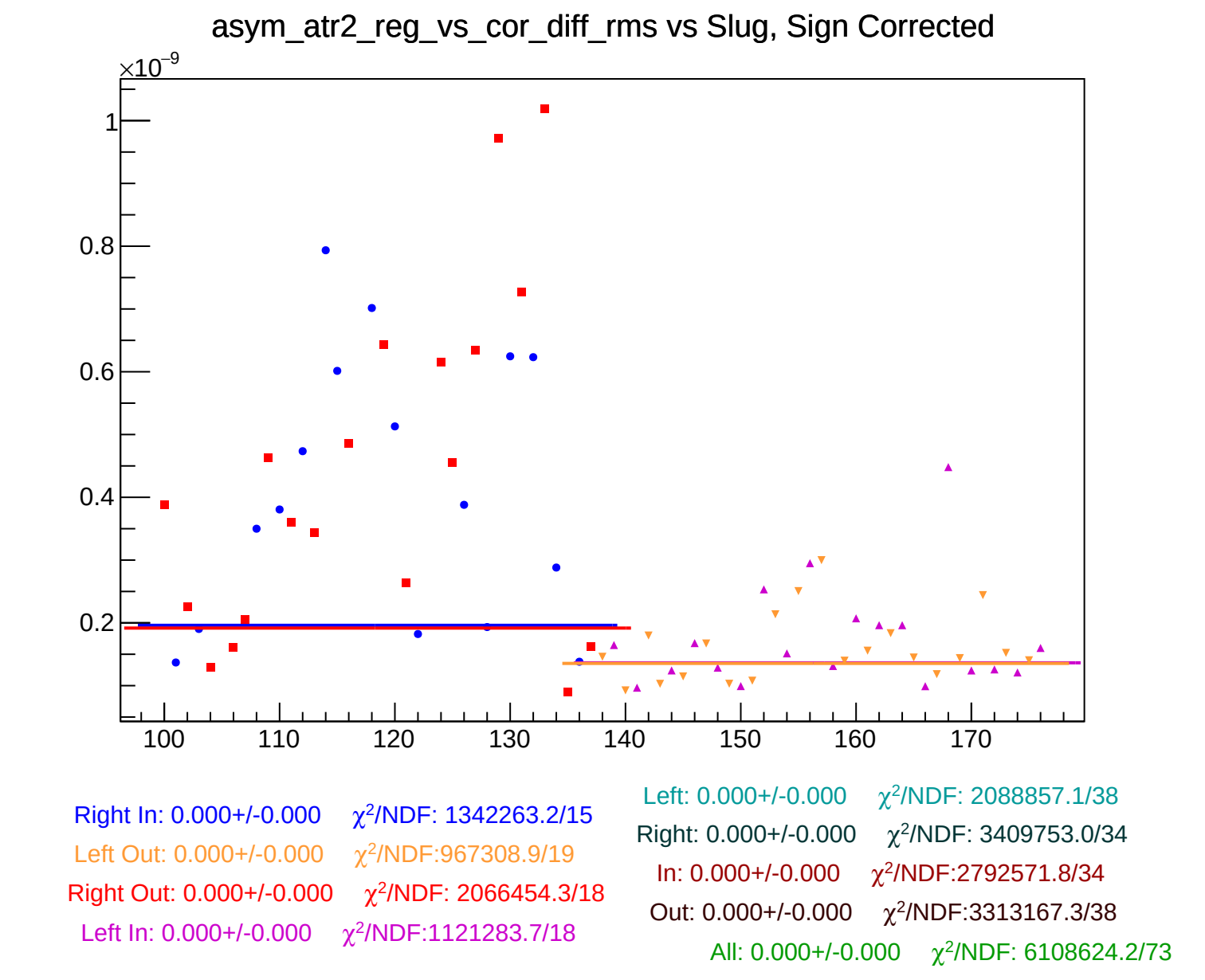
Left: 0.000+/-0.000 χ^2/NDF: 26.9/38

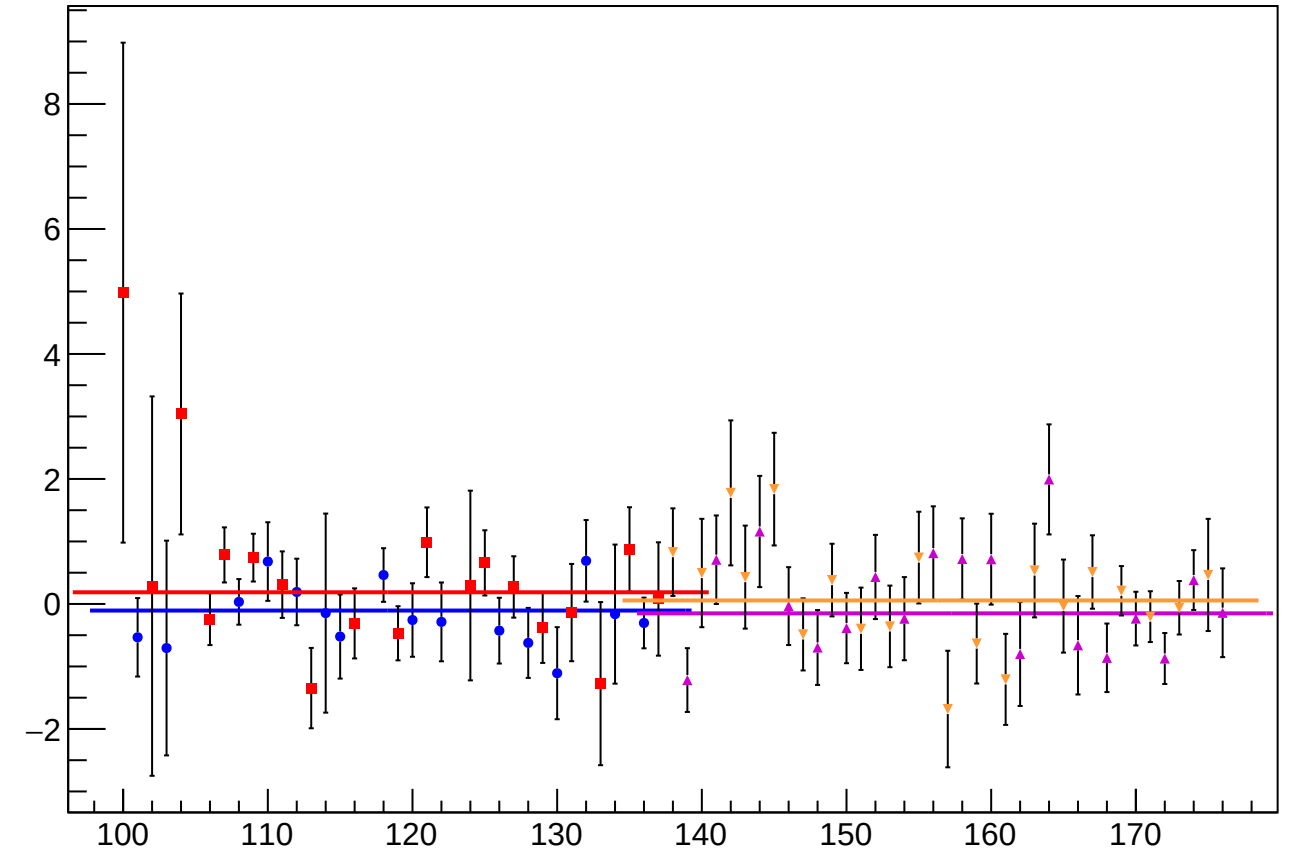
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:27.5/34

Out: -0.000+/-0.000 χ^2/NDF:33.2/38

All: -0.000+/-0.000 χ^2/NDF: 60.9/73


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:967308.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1121283.7/18
Left: 0.000+/-0.000 χ²/NDF: 2088857.1/38
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2792571.8/34
Out: 0.000+/-0.000 χ²/NDF:3313167.3/38
All: 0.000+/-0.000 χ²/NDF: 6108624.2/73



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.150+/-0.139 χ^2/NDF:27.7/18

Left: -0.048+/-0.099 χ^2/NDF: 49.1/38

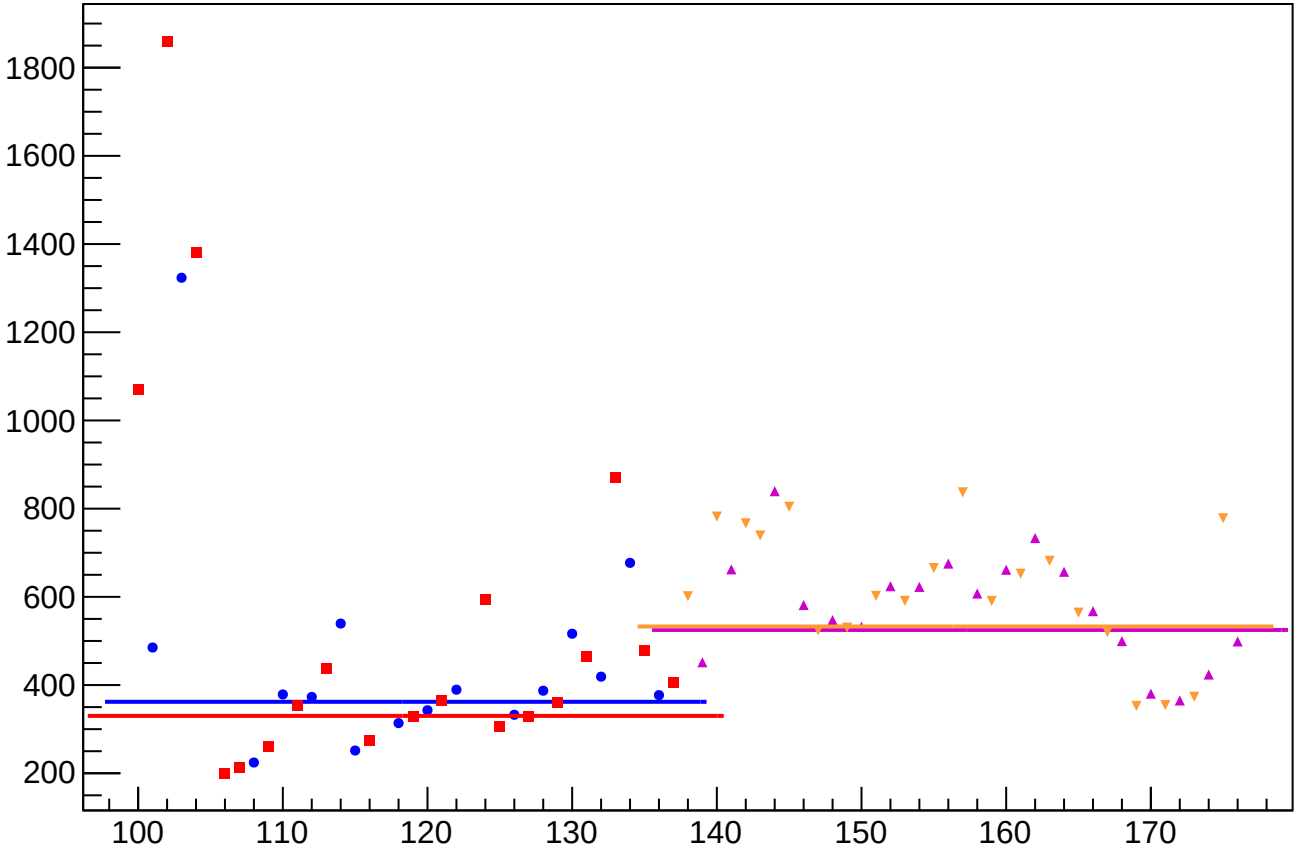
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.100 χ^2/NDF:37.5/34

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: -0.000+/-0.070 χ^2/NDF: 85.3/73

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

Left: 528.819+/-0.070 χ^2/NDF: 3735883.7/38

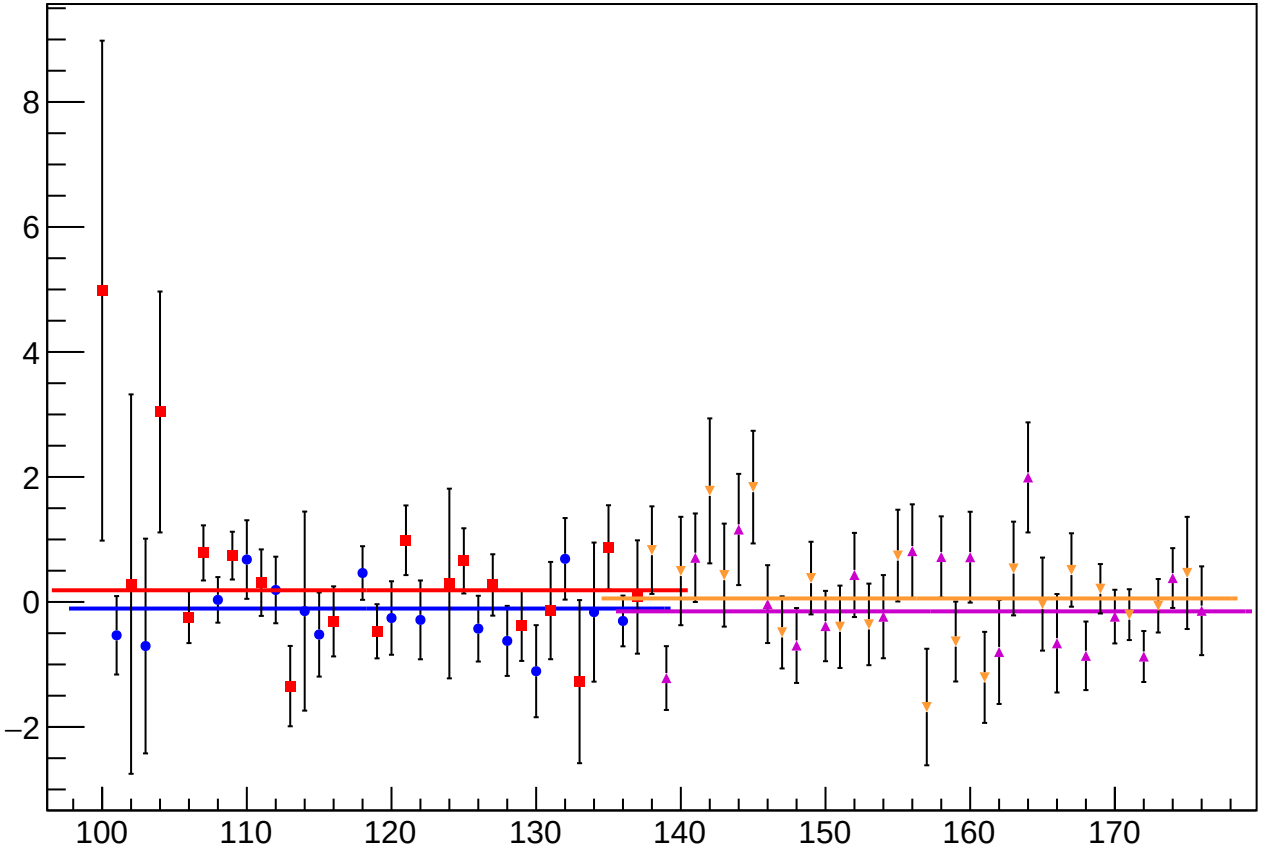
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.637+/-0.071 χ^2/NDF:4157375.9/34

Out: 428.899+/-0.070 χ^2/NDF:6637489.2/38

All: 437.593+/-0.050 χ^2/NDF: 10826741.7/73

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: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.150+/-0.139 χ^2/NDF:27.7/18

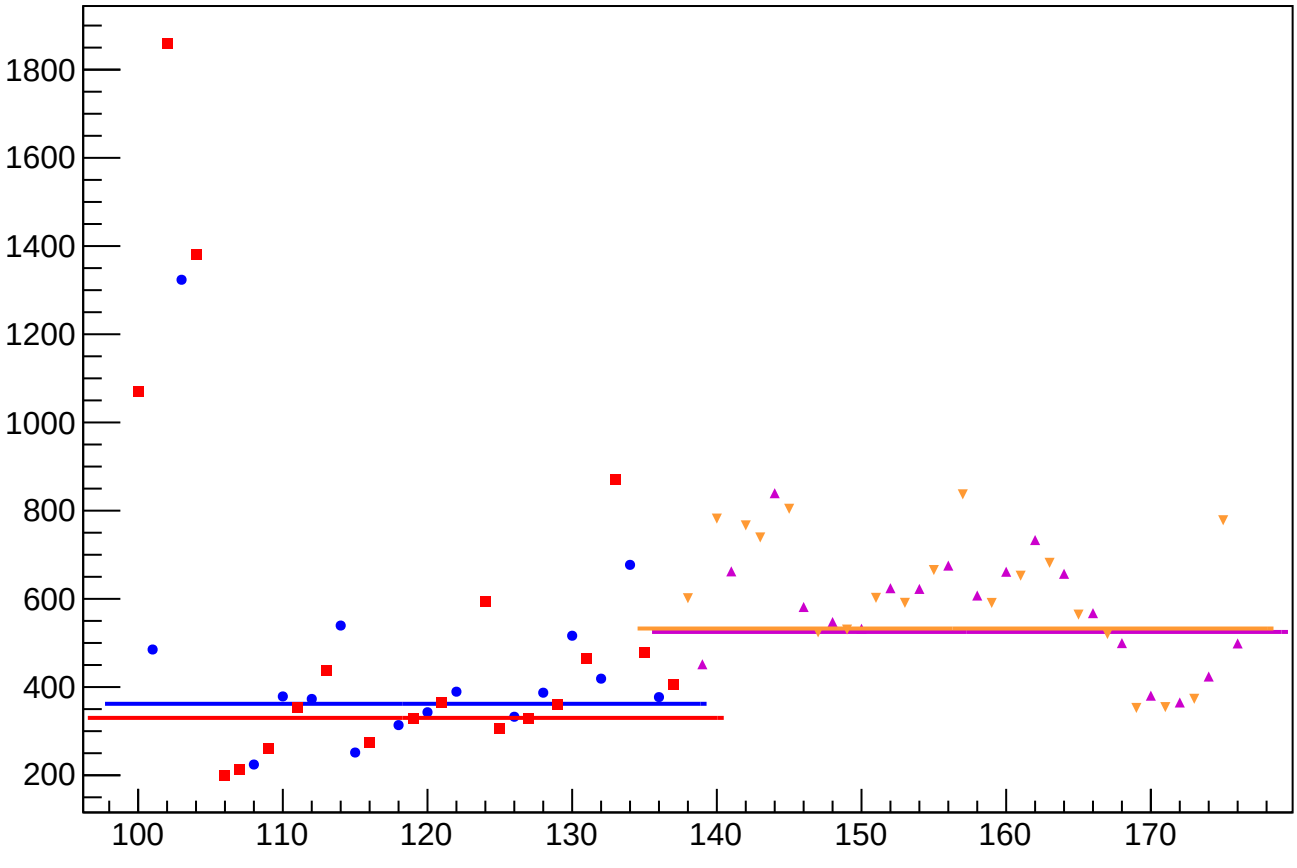
Left: -0.048+/-0.099 χ^2/NDF: 49.1/38

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.100 χ^2/NDF:37.5/34

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: -0.000+/-0.070 χ^2/NDF: 85.3/73



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 532.752+/-0.100 χ^2/NDF:2269742.5/19

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

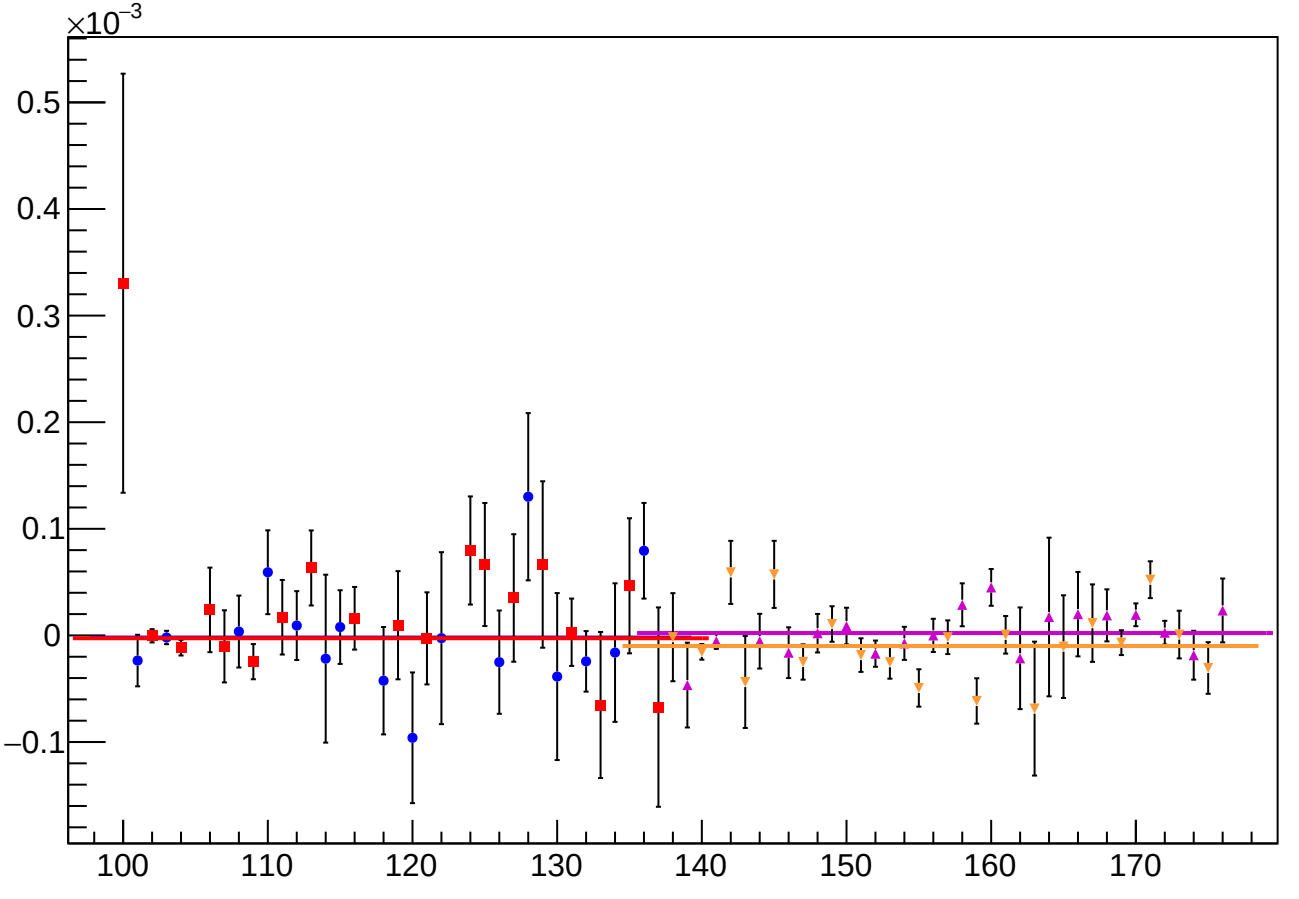
Left: 528.819+/-0.070 χ^2/NDF: 3735883.7/38

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.637+/-0.071 χ^2/NDF:4157375.9/34

Out: 428.899+/-0.070 χ^2/NDF:6637489.2/38

All: 437.593+/-0.050 χ^2/NDF: 10826741.7/73



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/18

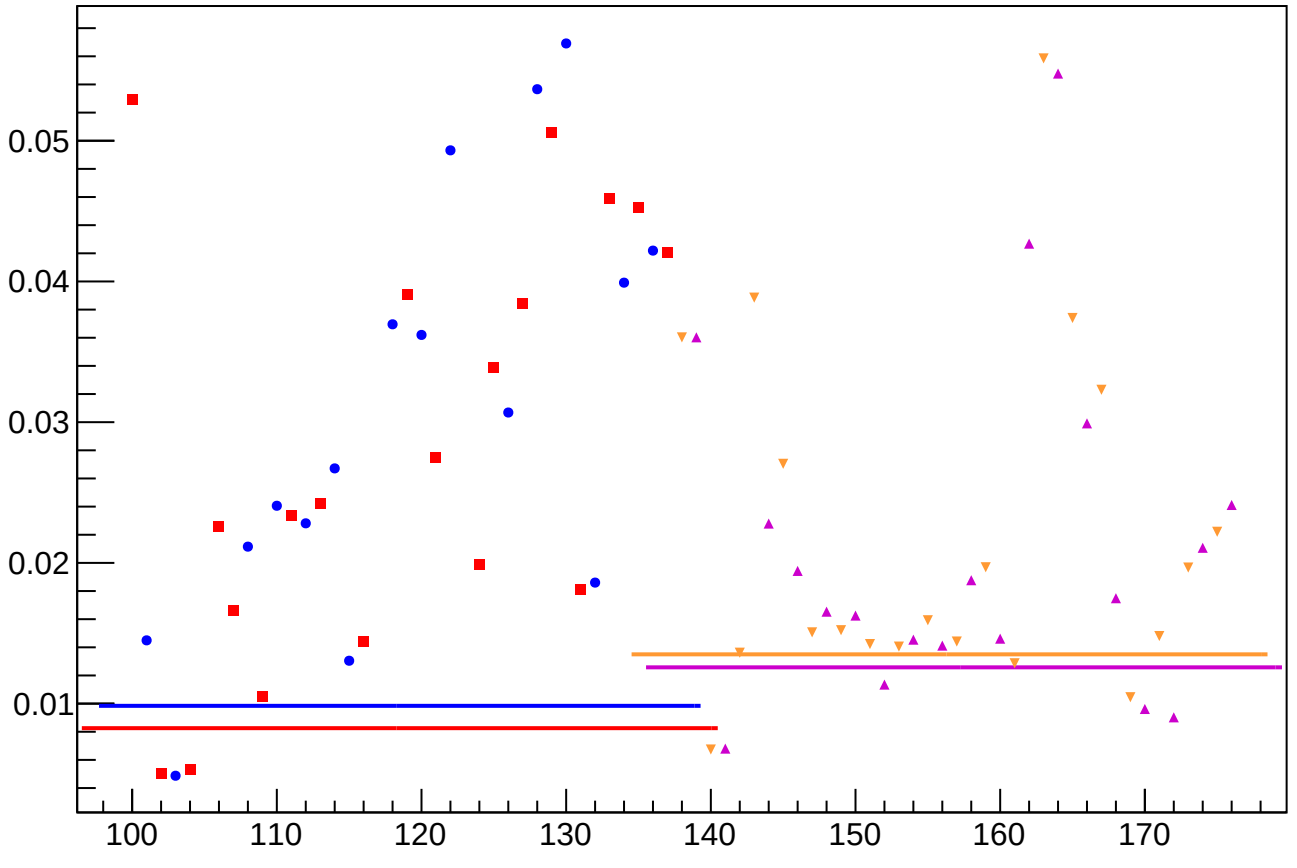
Left: -0.000+/-0.000 χ^2/NDF: 65.8/38

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:33.2/34

Out: -0.000+/-0.000 χ^2/NDF:61.4/38

All: -0.000+/-0.000 χ^2/NDF: 97.8/73



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6107274.9/19

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:5759093.2/18

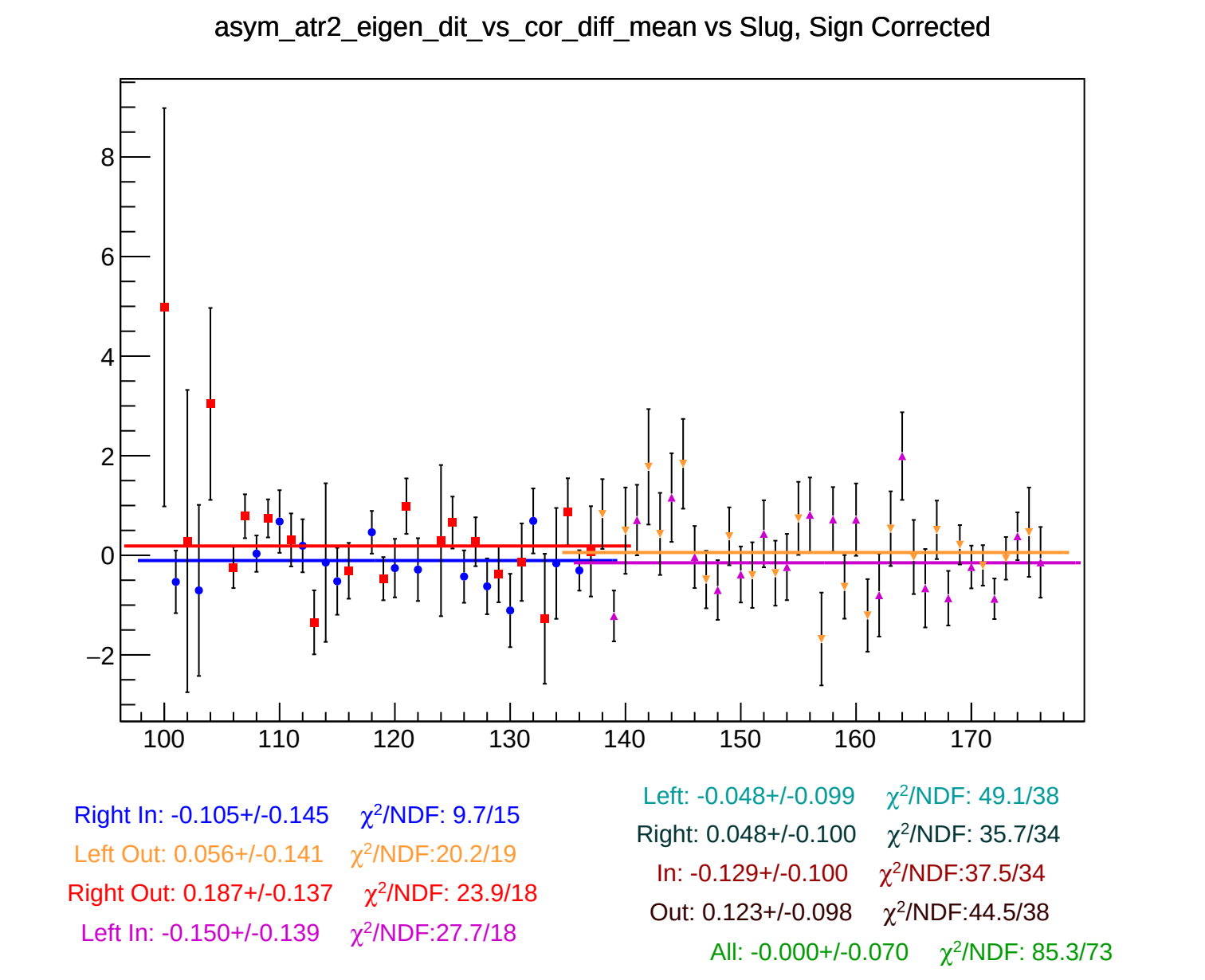
Left: 0.013+/-0.000 χ^2/NDF: 11925419.7/38

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:13159793.5/34

Out: 0.011+/-0.000 χ^2/NDF:14513136.8/38

All: 0.011+/-0.000 χ^2/NDF: 27715963.1/73


asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
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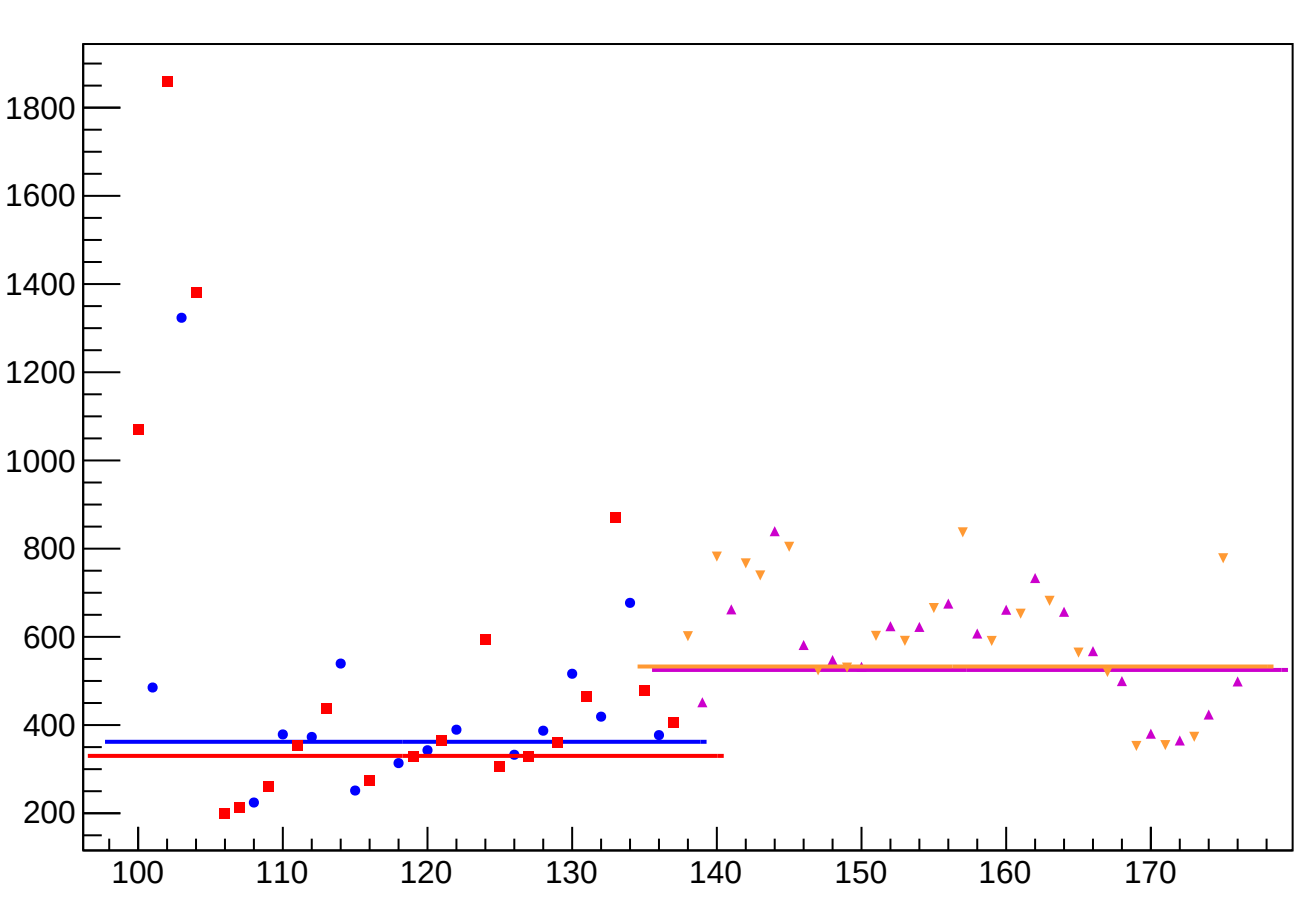
−2
100
110
120
130
140
150
160
170
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.056+/-0.141 χ²/NDF:20.2/19
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.150+/-0.139 χ²/NDF:27.7/18
Left: -0.048+/-0.099 χ²/NDF: 49.1/38
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.129+/-0.100 χ²/NDF:37.5/34
Out: 0.123+/-0.098 χ²/NDF:44.5/38
All: -0.000+/-0.070 χ²/NDF: 85.3/73



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

Left: 528.824+/-0.070 χ^2/NDF: 3736043.9/38

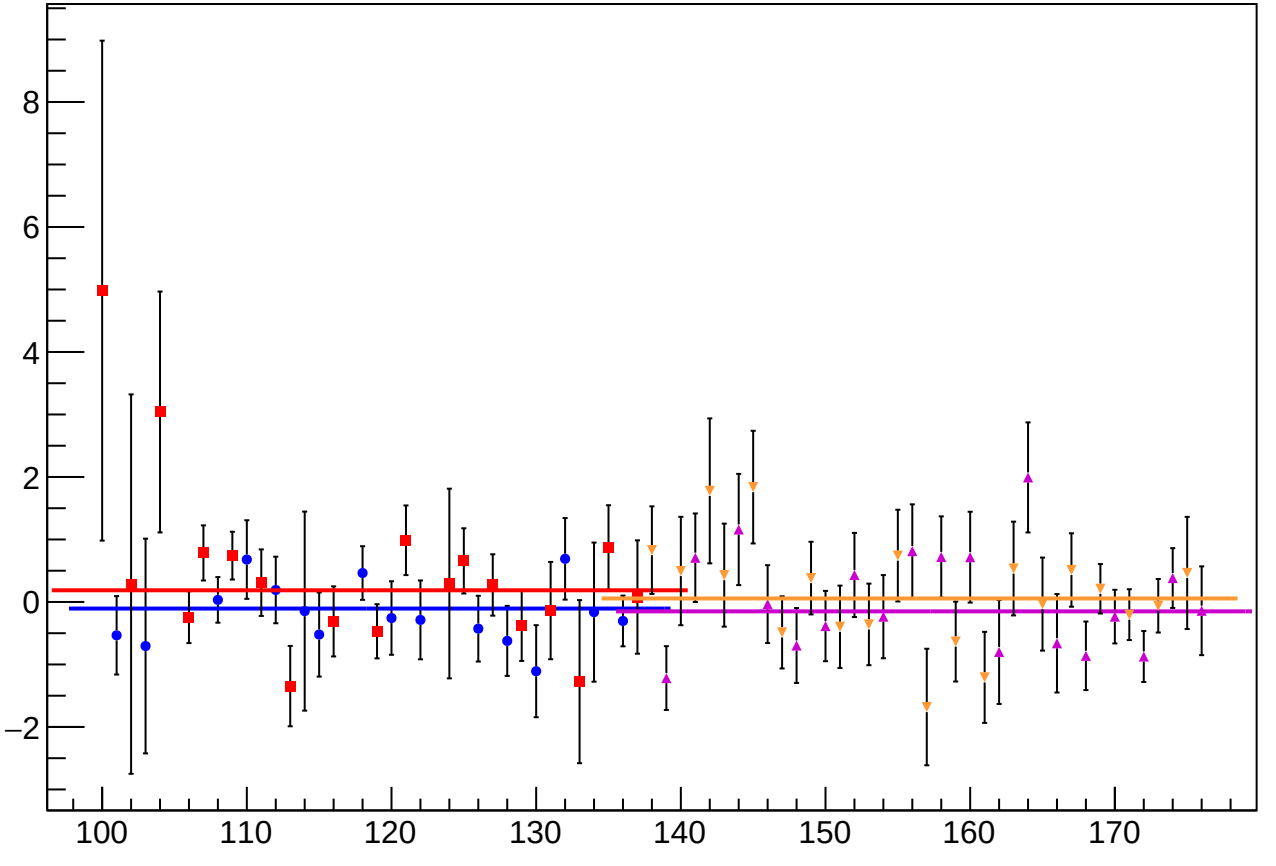
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.637+/-0.071 χ^2/NDF:4157552.8/34

Out: 428.899+/-0.070 χ^2/NDF:6637686.7/38

All: 437.593+/-0.050 χ^2/NDF: 10827116.1/73

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: 0.056+/-0.141 χ^2/NDF:20.2/19

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.150+/-0.139 χ^2/NDF:27.7/18

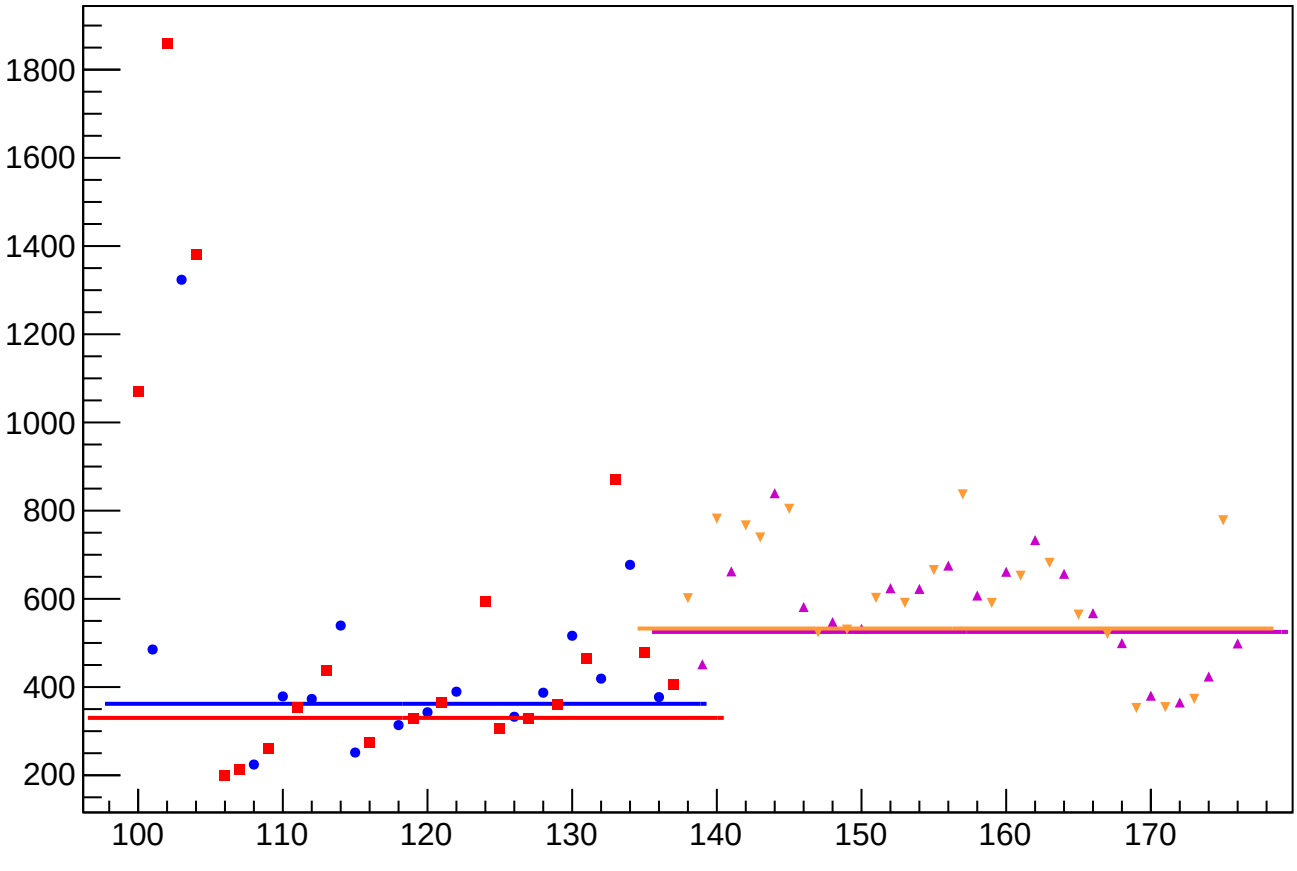
Left: -0.048+/-0.099 χ^2/NDF: 49.1/38

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.100 χ^2/NDF:37.5/34

Out: 0.123+/-0.098 χ^2/NDF:44.5/38

All: -0.000+/-0.070 χ^2/NDF: 85.3/73



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 532.756+/-0.100 χ^2/NDF:2269851.4/19

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

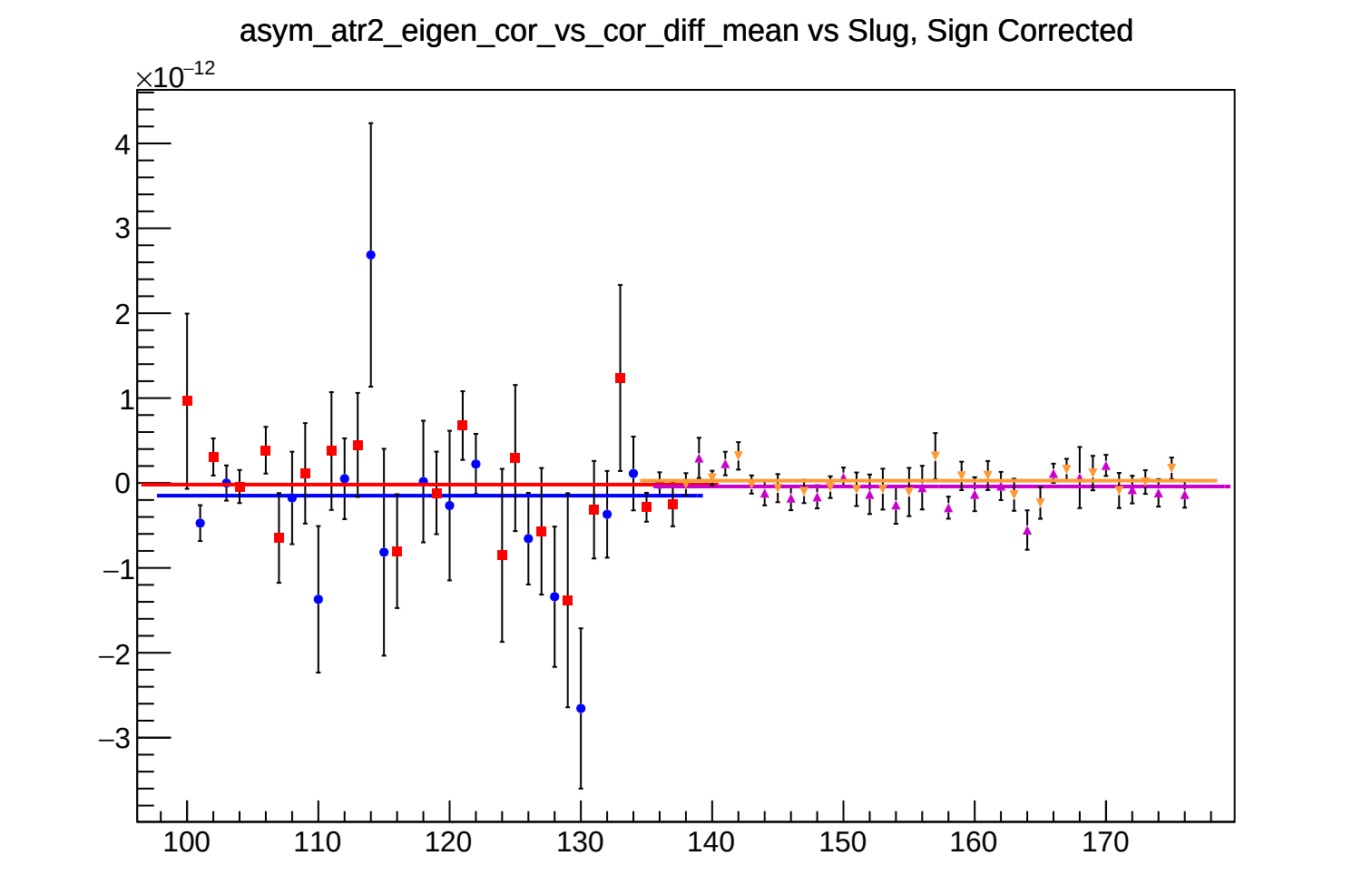
Left: 528.824+/-0.070 χ^2/NDF: 3736043.9/38

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.637+/-0.071 χ^2/NDF:4157552.8/34

Out: 428.899+/-0.070 χ^2/NDF:6637686.7/38

All: 437.593+/-0.050 χ^2/NDF: 10827116.1/73



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:25.2/18

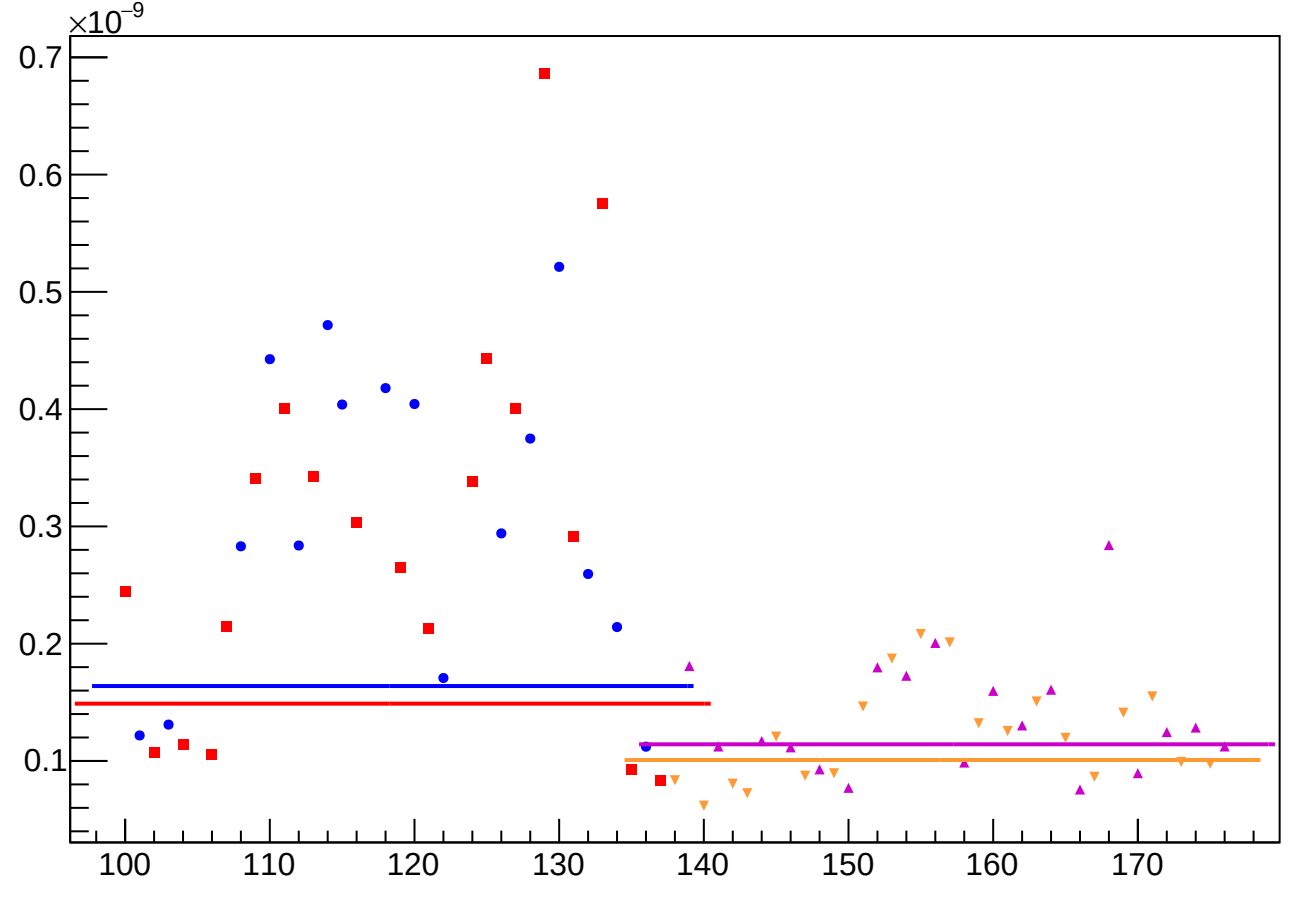
Left: -0.000+/-0.000 χ^2/NDF: 40.0/38

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.8/34

Out: 0.000+/-0.000 χ^2/NDF:32.6/38

All: -0.000+/-0.000 χ^2/NDF: 83.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2126872.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1954089.7/18

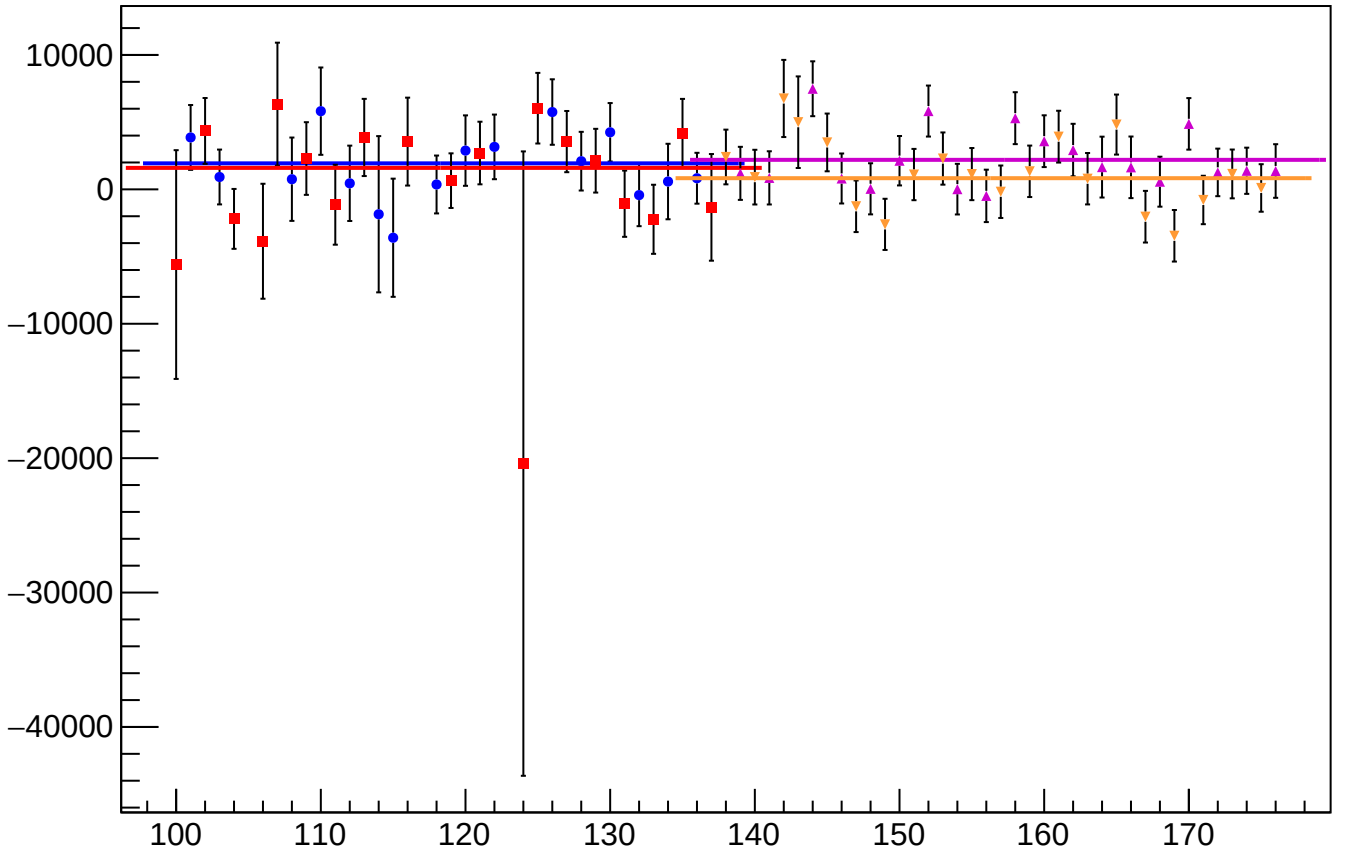
Left: 0.000+/-0.000 χ^2/NDF: 4227739.8/38

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4517593.7/34

Out: 0.000+/-0.000 χ^2/NDF:5543298.1/38

All: 0.000+/-0.000 χ^2/NDF: 10250456.6/73



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.207+/-446.659 χ^2/NDF:27.3/19

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2196.010+/-443.181 χ^2/NDF:22.9/18

Left: 1518.942+/-314.599 χ^2/NDF: 54.9/38

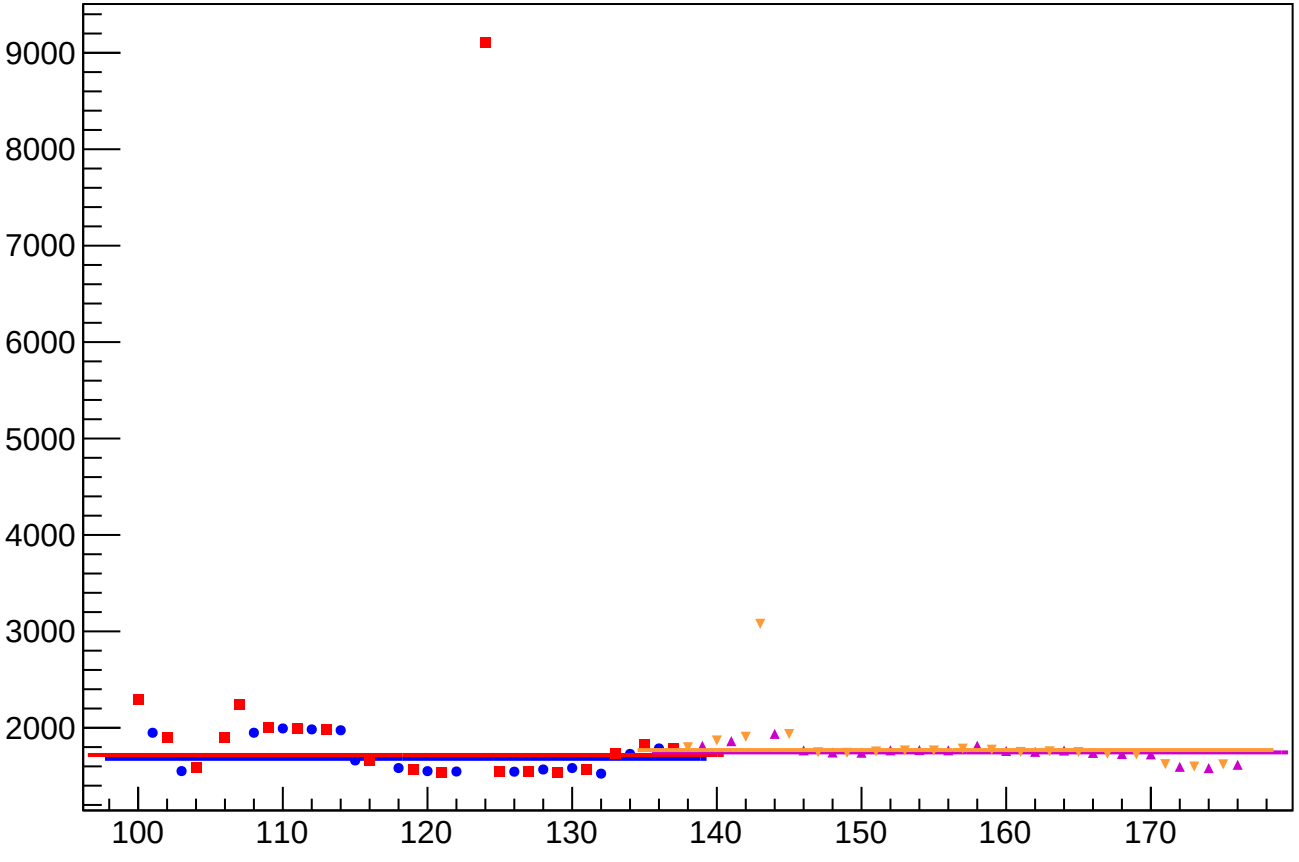
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2109.133+/-362.071 χ^2/NDF:33.9/34

Out: 1081.186+/-366.689 χ^2/NDF:47.6/38

All: 1601.673+/-257.640 χ^2/NDF: 85.5/73

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.8/19

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

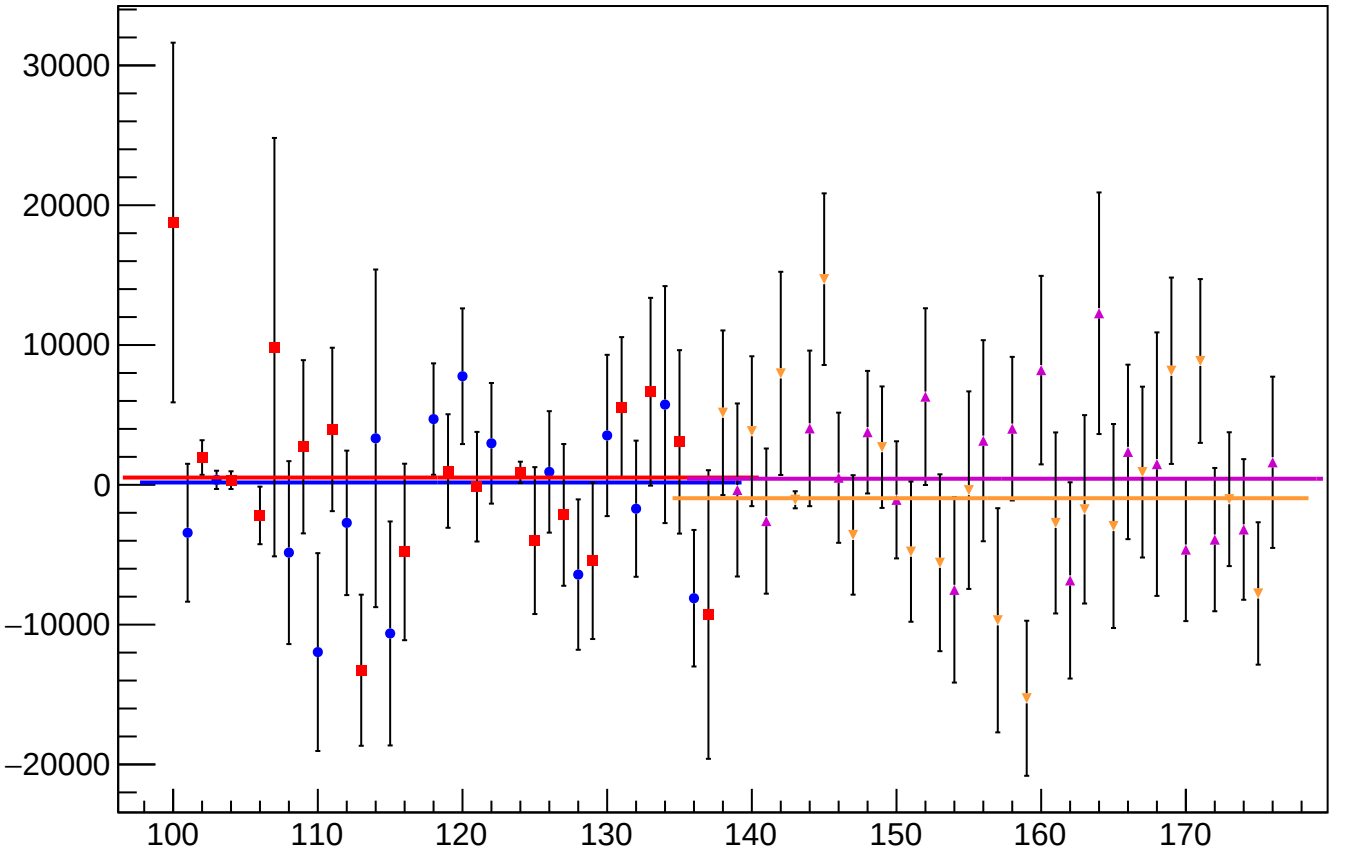
Left: 1756.974+/-0.222 χ^2/NDF: 440456.4/38

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1722.836+/-0.256 χ^2/NDF:228374.2/34

Out: 1752.527+/-0.259 χ^2/NDF:757194.5/38

All: 1737.516+/-0.182 χ^2/NDF: 992218.6/73



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -957.999+/-553.933 χ^2/NDF:26.7/19

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 435.208+/-1300.980 χ^2/NDF:11.1/18

Left: -744.187+/-509.658 χ^2/NDF: 38.7/38

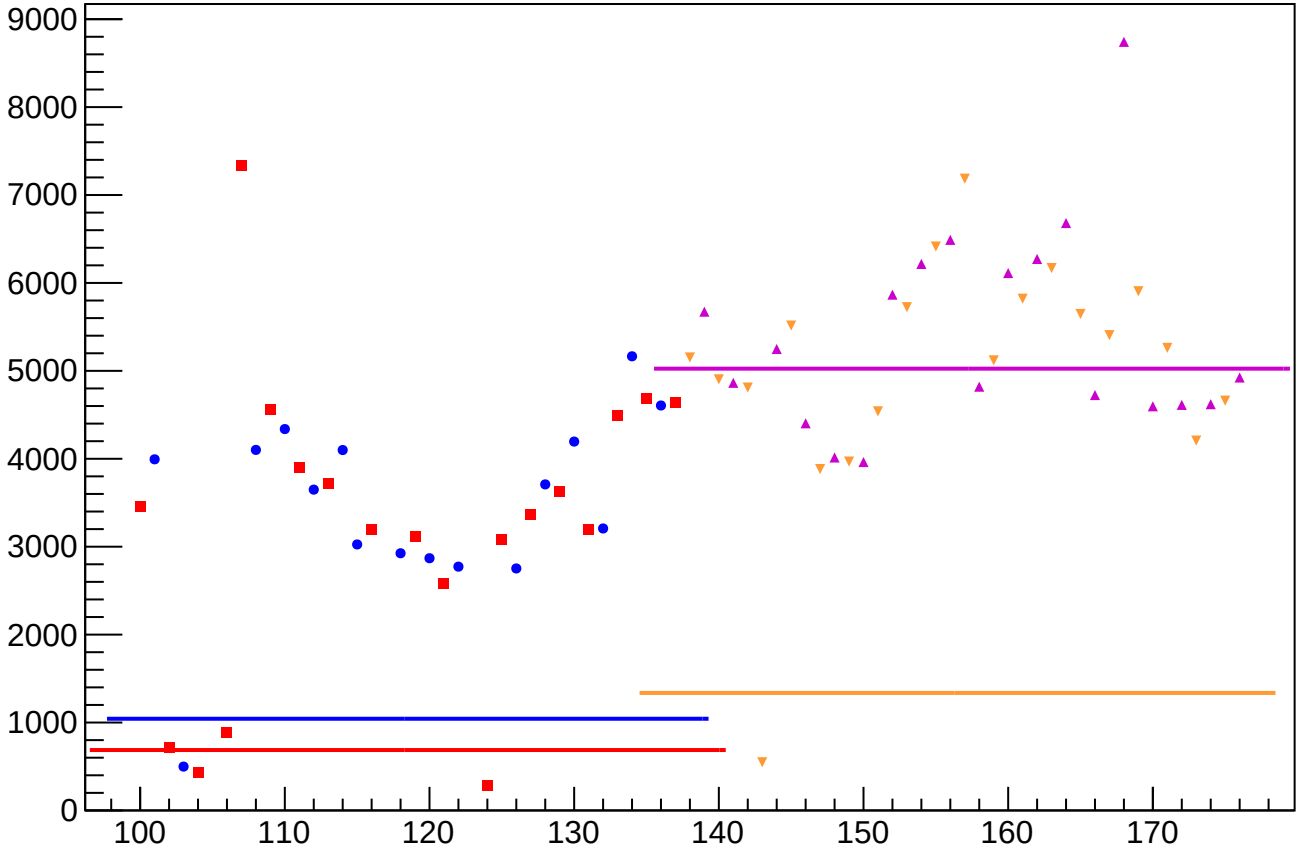
Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 214.021+/-538.540 χ^2/NDF:26.9/34

Out: -26.622+/-337.081 χ^2/NDF:49.7/38

All: 41.117+/-285.726 χ^2/NDF: 76.8/73

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1336.697+/-0.392 χ^2/NDF:19678104.4/19

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5025.078+/-0.920 χ^2/NDF:1028648.6/18

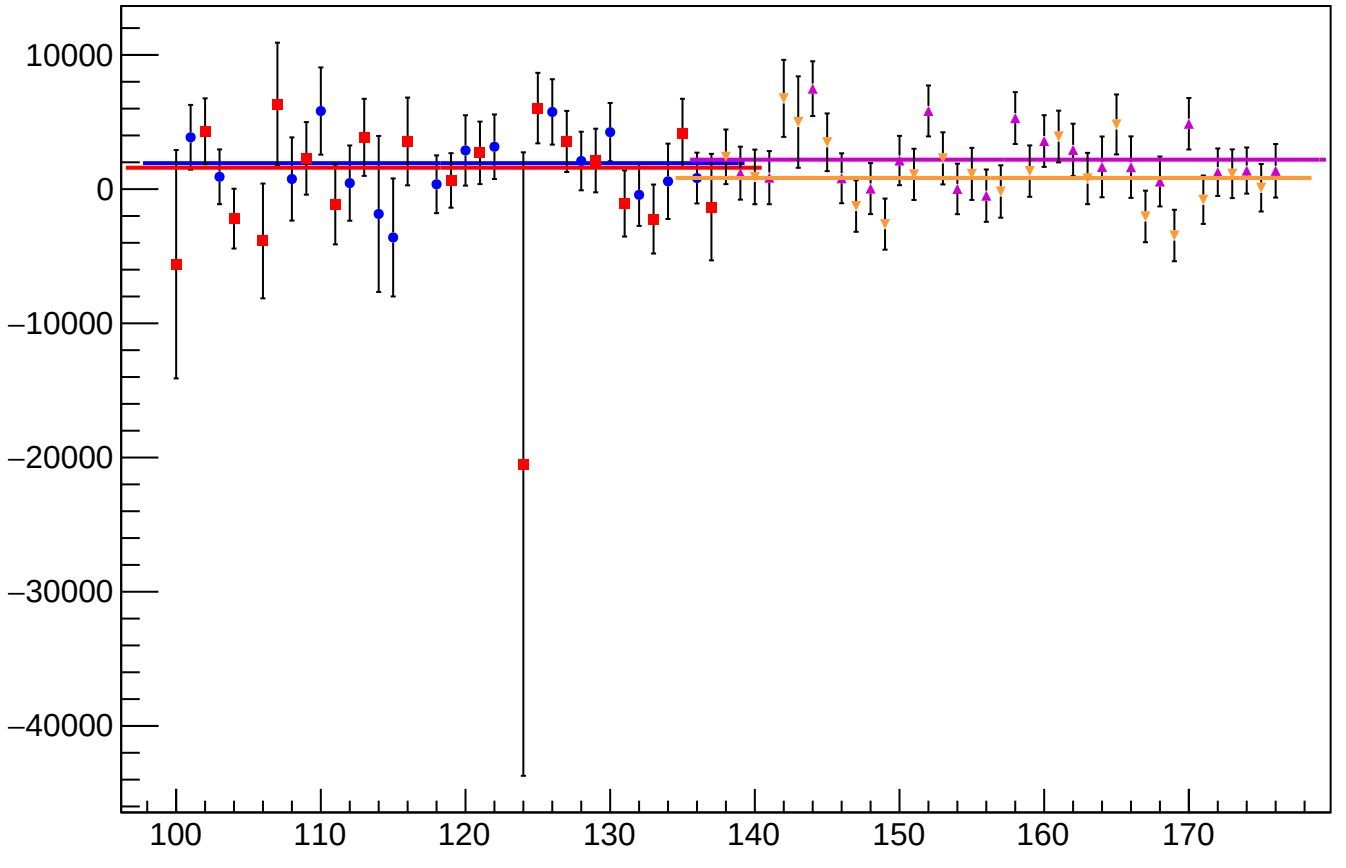
Left: 1902.744+/-0.360 χ^2/NDF: 34315048.8/38

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1725.441+/-0.381 χ^2/NDF:24666265.2/34

Out: 927.790+/-0.238 χ^2/NDF:30040373.8/38

All: 1152.322+/-0.202 χ^2/NDF: 57859124.1/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2196.073+/-443.181 χ^2/NDF:22.9/18

Left: 1518.970+/-314.599 χ^2/NDF: 54.9/38

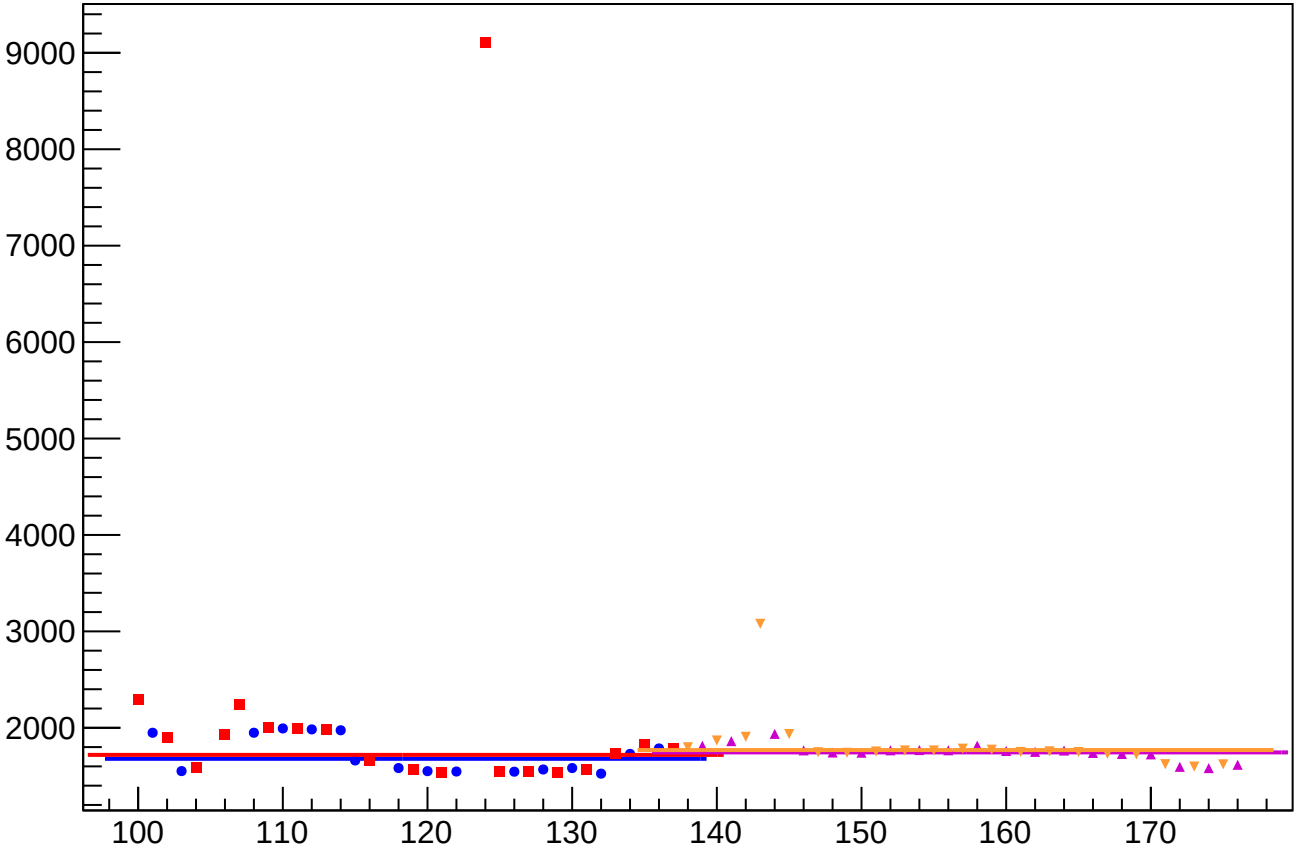
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2109.213+/-362.071 χ^2/NDF:33.9/34

Out: 1080.383+/-366.690 χ^2/NDF:47.6/38

All: 1601.319+/-257.641 χ^2/NDF: 85.5/73

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

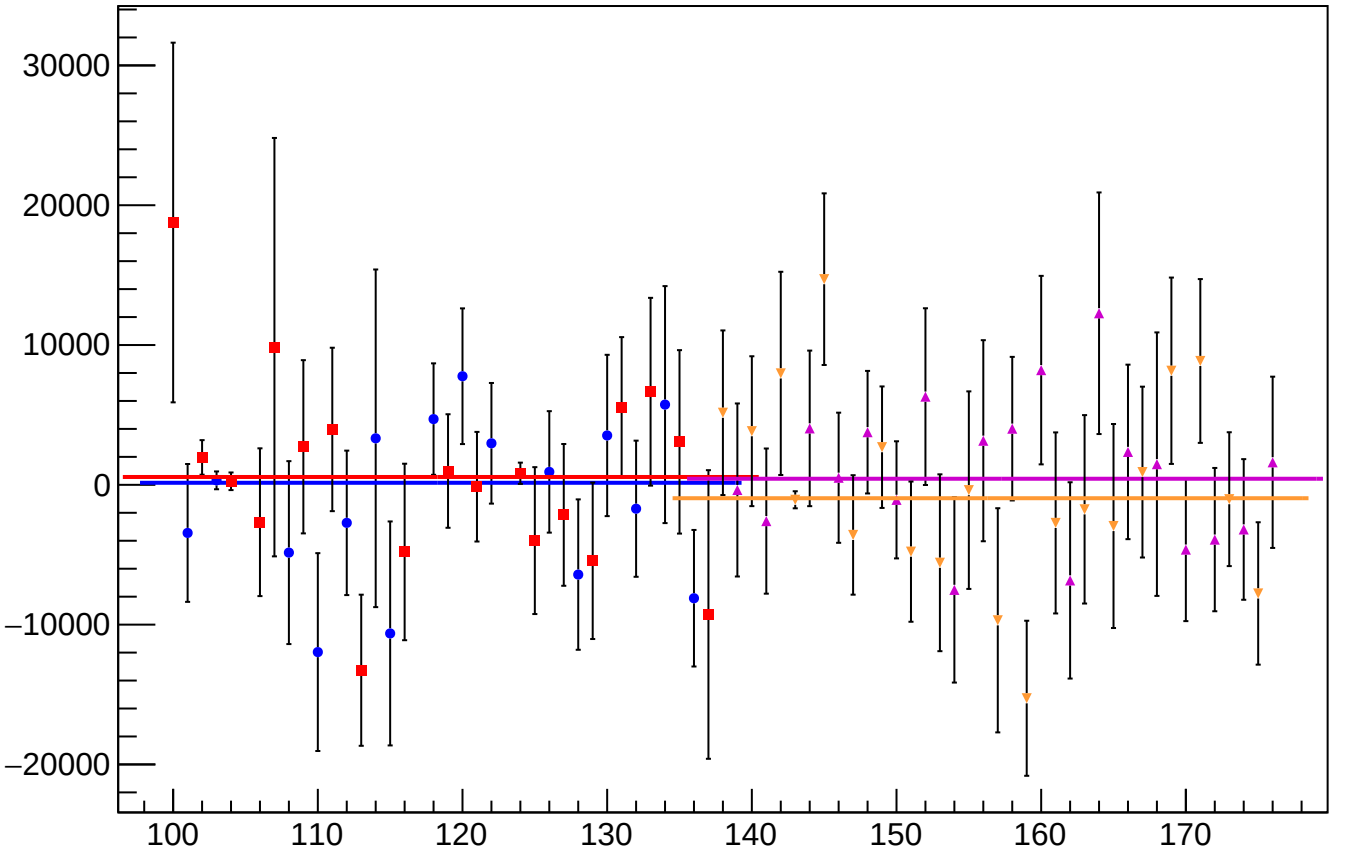
Left: 1756.974+/-0.222 χ^2/NDF: 440456.4/38

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.836+/-0.256 χ^2/NDF:228374.4/34

Out: 1752.812+/-0.259 χ^2/NDF:758654.9/38

All: 1737.654+/-0.182 χ^2/NDF: 993806.1/73



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 435.346+/-1300.979 χ^2/NDF:11.1/18

Left: -743.899+/-509.643 χ^2/NDF: 38.7/38

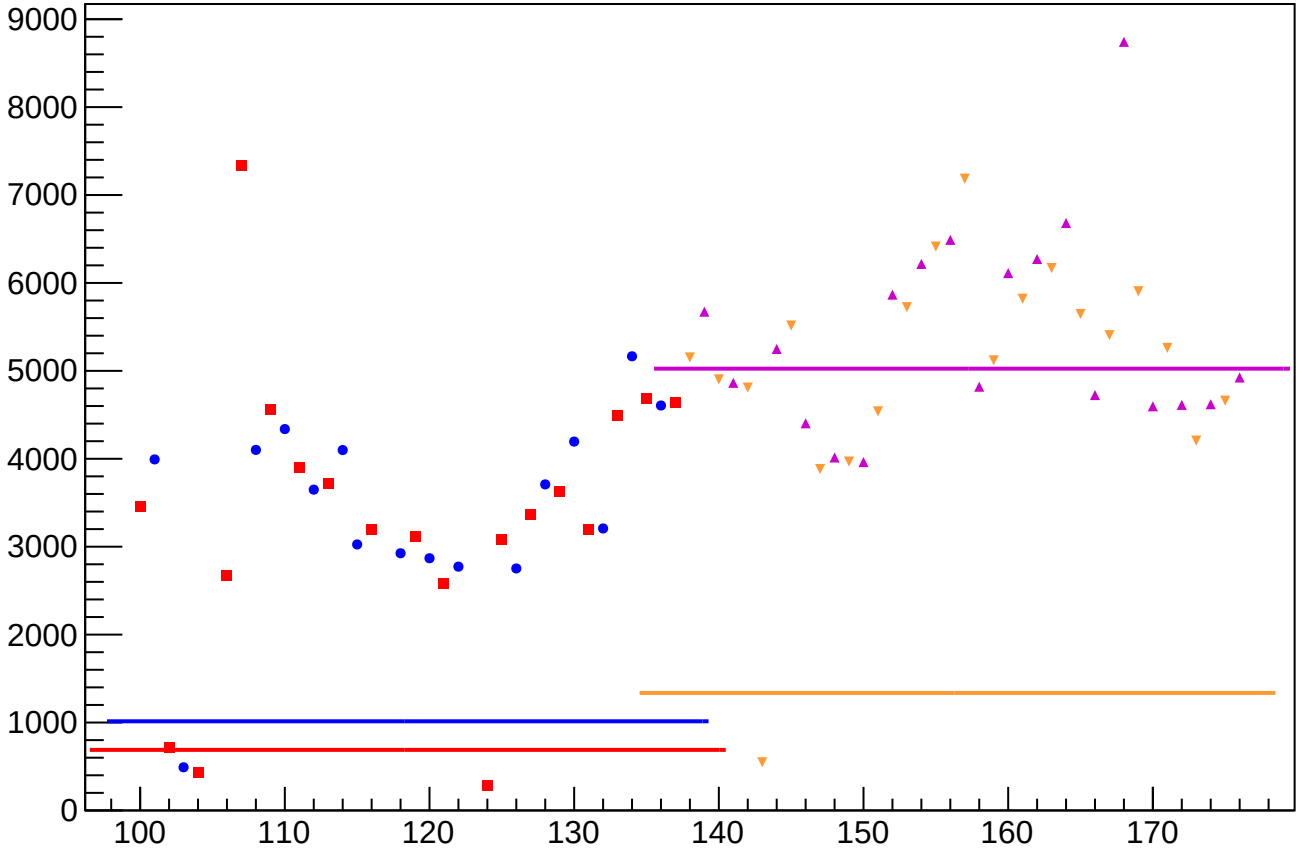
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 194.342+/-529.250 χ^2/NDF:26.9/34

Out: -10.806+/-339.972 χ^2/NDF:48.6/38

All: 49.118+/-286.041 χ^2/NDF: 75.6/73

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

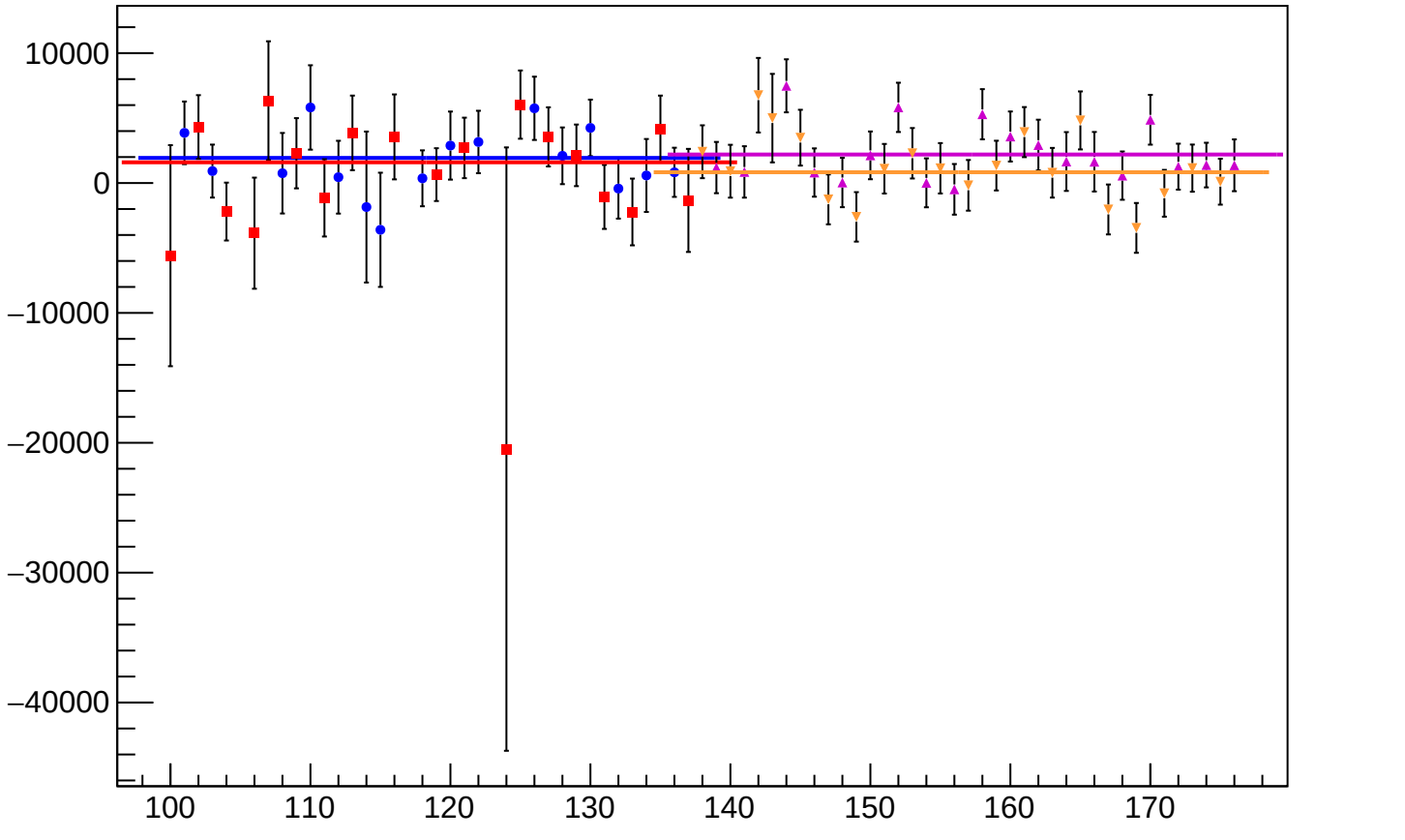
Left: 1902.650+/-0.360 χ^2/NDF: 34316194.8/38

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1677.884+/-0.374 χ^2/NDF:25115945.0/34

Out: 932.997+/-0.240 χ^2/NDF:30292725.0/38

All: 1150.581+/-0.202 χ^2/NDF: 58213201.3/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 831.199+/-446.659 χ^2/NDF:27.3/19

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2196.073+/-443.181 χ^2/NDF:22.9/18

Left: 1518.970+/-314.599 χ^2/NDF: 54.9/38

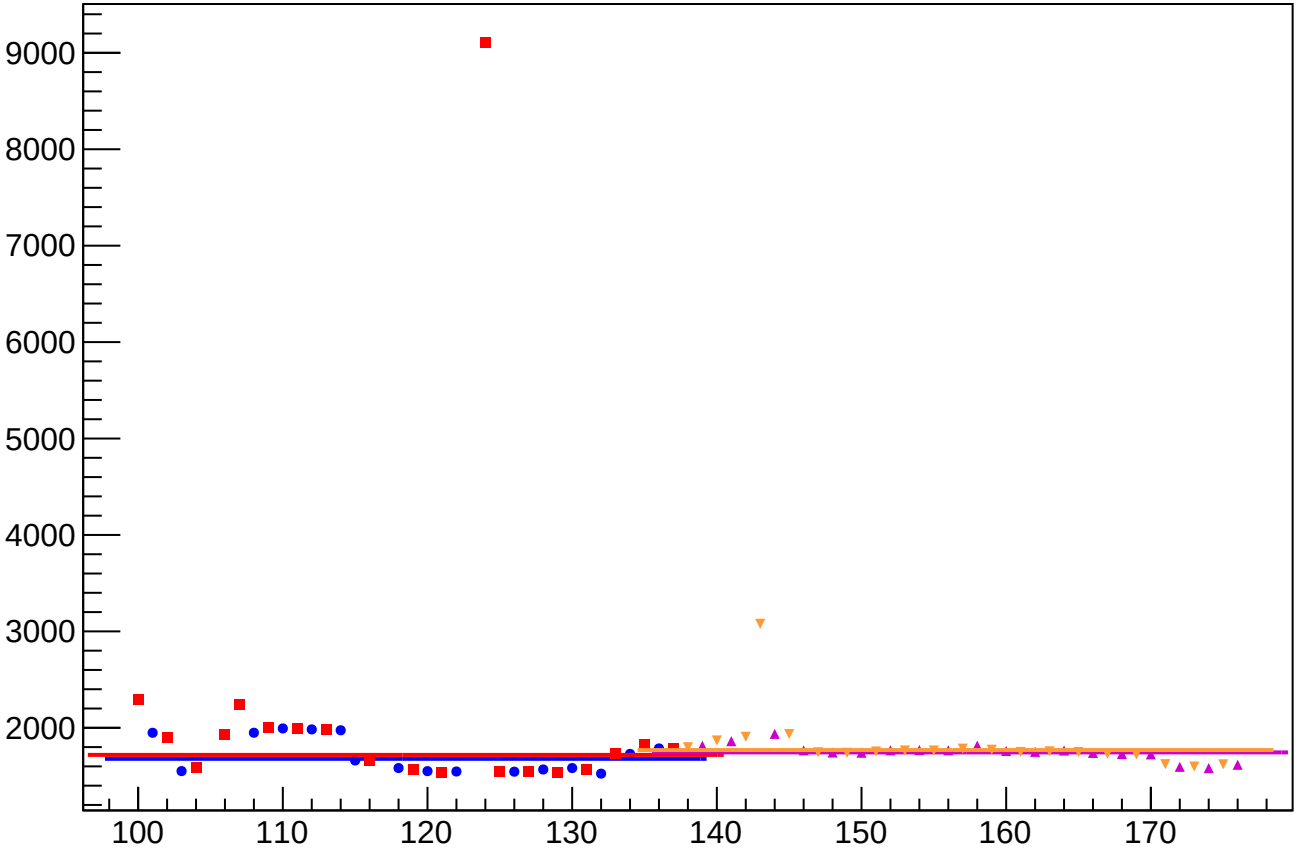
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2109.213+/-362.071 χ^2/NDF:33.9/34

Out: 1080.383+/-366.690 χ^2/NDF:47.6/38

All: 1601.319+/-257.641 χ^2/NDF: 85.5/73

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1769.235+/-0.316 χ^2/NDF:365485.7/19

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

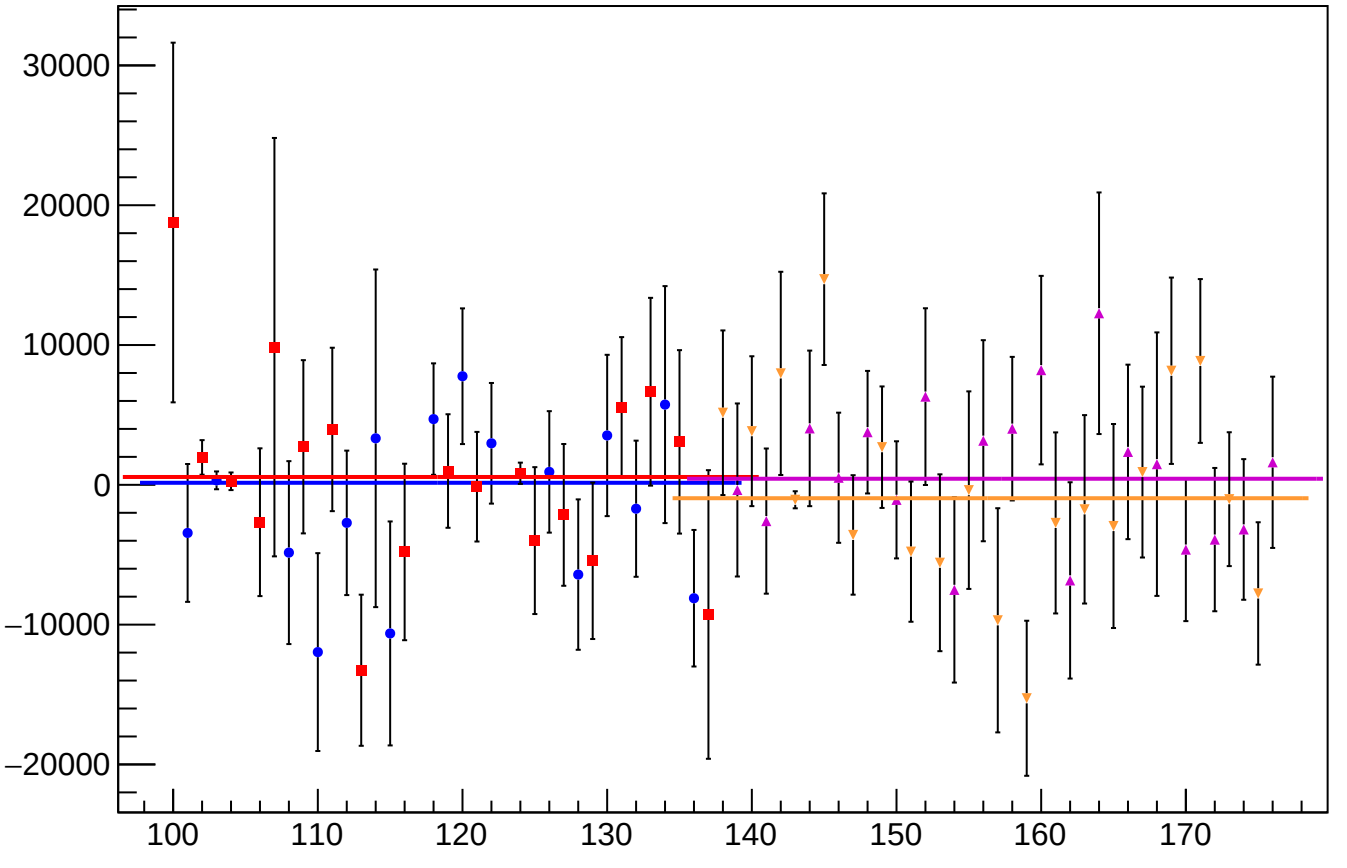
Left: 1756.974+/-0.222 χ^2/NDF: 440456.4/38

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.836+/-0.256 χ^2/NDF:228374.4/34

Out: 1752.812+/-0.259 χ^2/NDF:758654.9/38

All: 1737.654+/-0.182 χ^2/NDF: 993806.1/73



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -957.669+/-553.914 χ^2/NDF:26.7/19

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 435.346+/-1300.979 χ^2/NDF:11.1/18

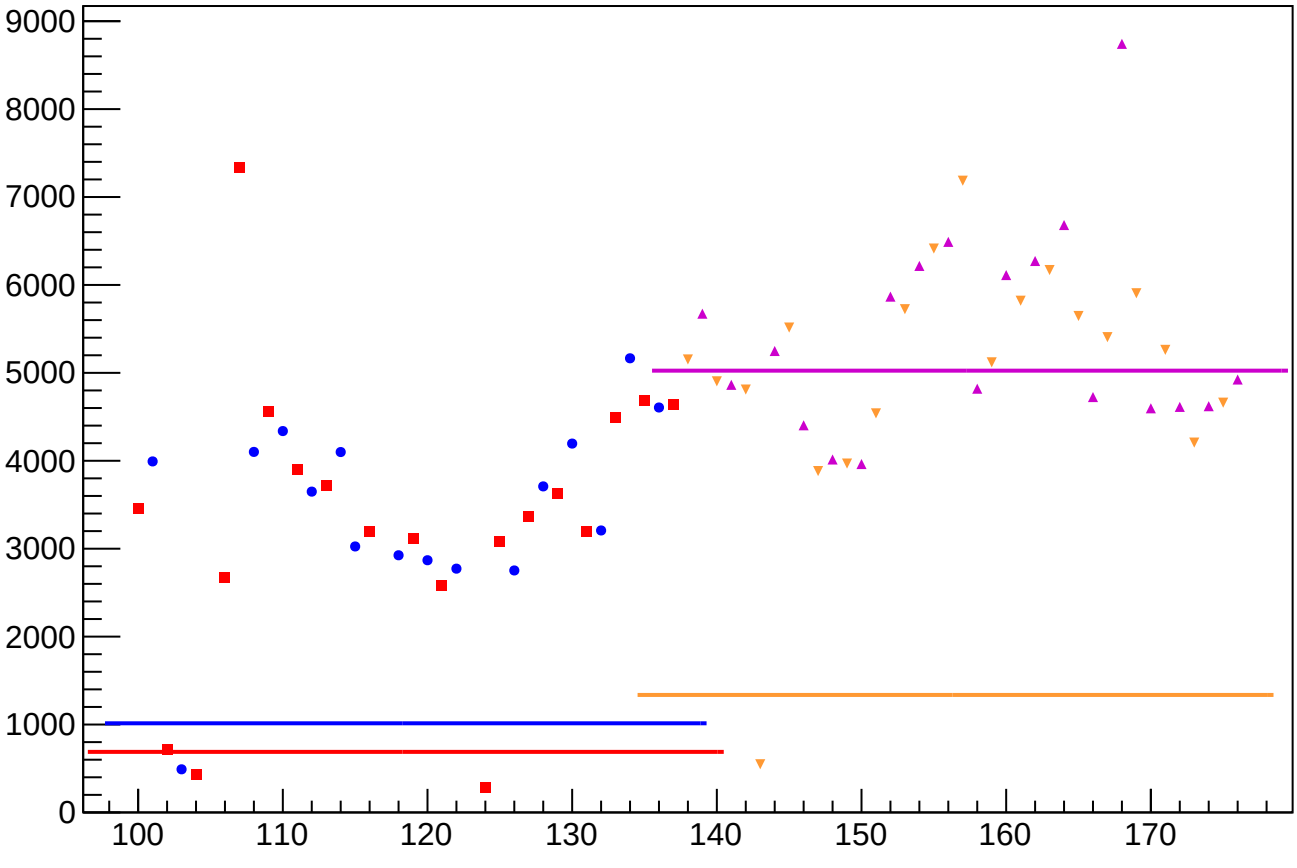
Left: -743.899+/-509.643 χ^2/NDF: 38.7/38

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 194.342+/-529.250 χ^2/NDF:26.9/34

Out: -10.806+/-339.972 χ^2/NDF:48.6/38

All: 49.118+/-286.041 χ^2/NDF: 75.6/73



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1336.626+/-0.392 χ^2/NDF:19678576.8/19

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

Left: 1902.650+/-0.360 χ^2/NDF: 34316194.8/38

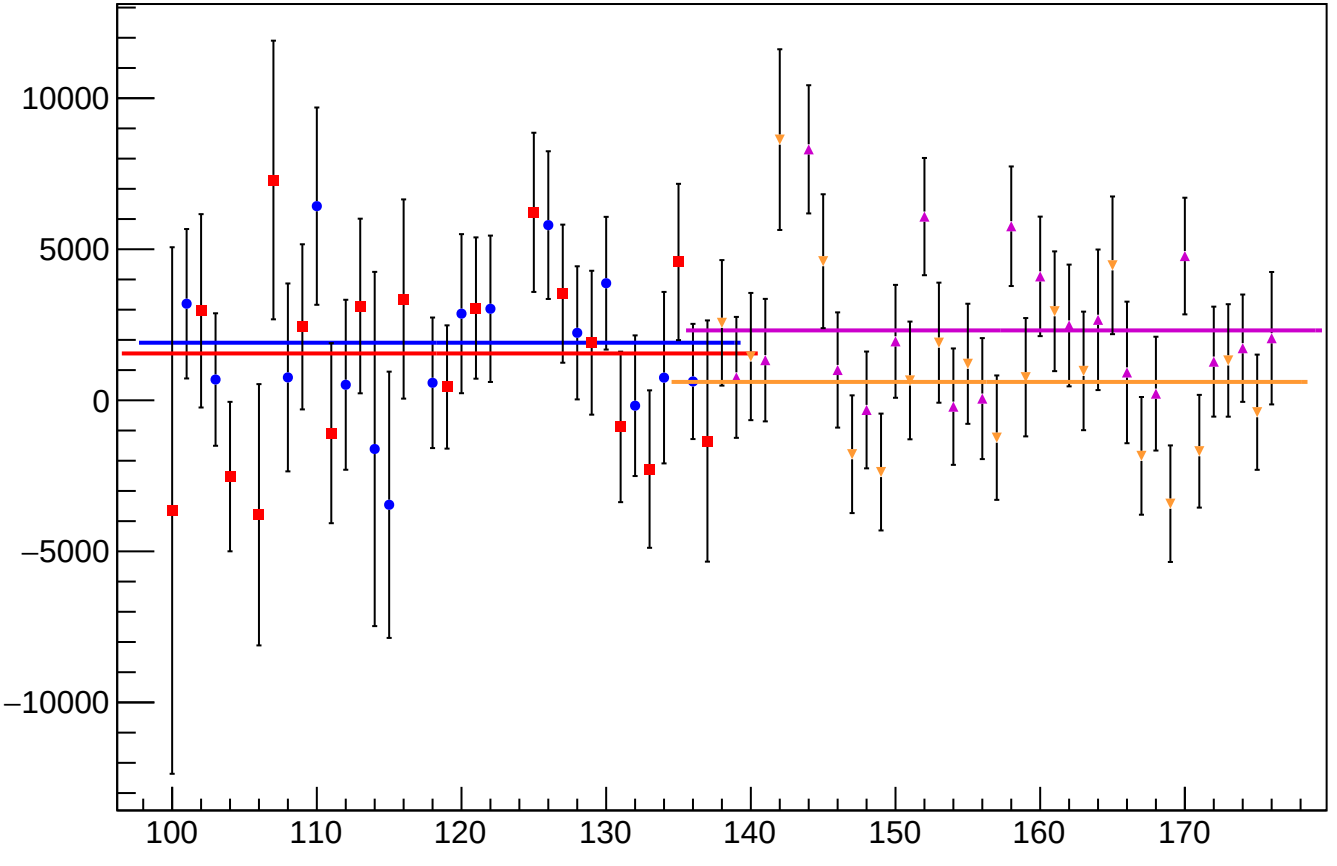
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1677.884+/-0.374 χ^2/NDF:25115945.0/34

Out: 932.997+/-0.240 χ^2/NDF:30292725.0/38

All: 1150.581+/-0.202 χ^2/NDF: 58213201.3/7

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.653+/-463.256 χ^2/NDF:28.9/18

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2313.846+/-455.048 χ^2/NDF:25.5/18

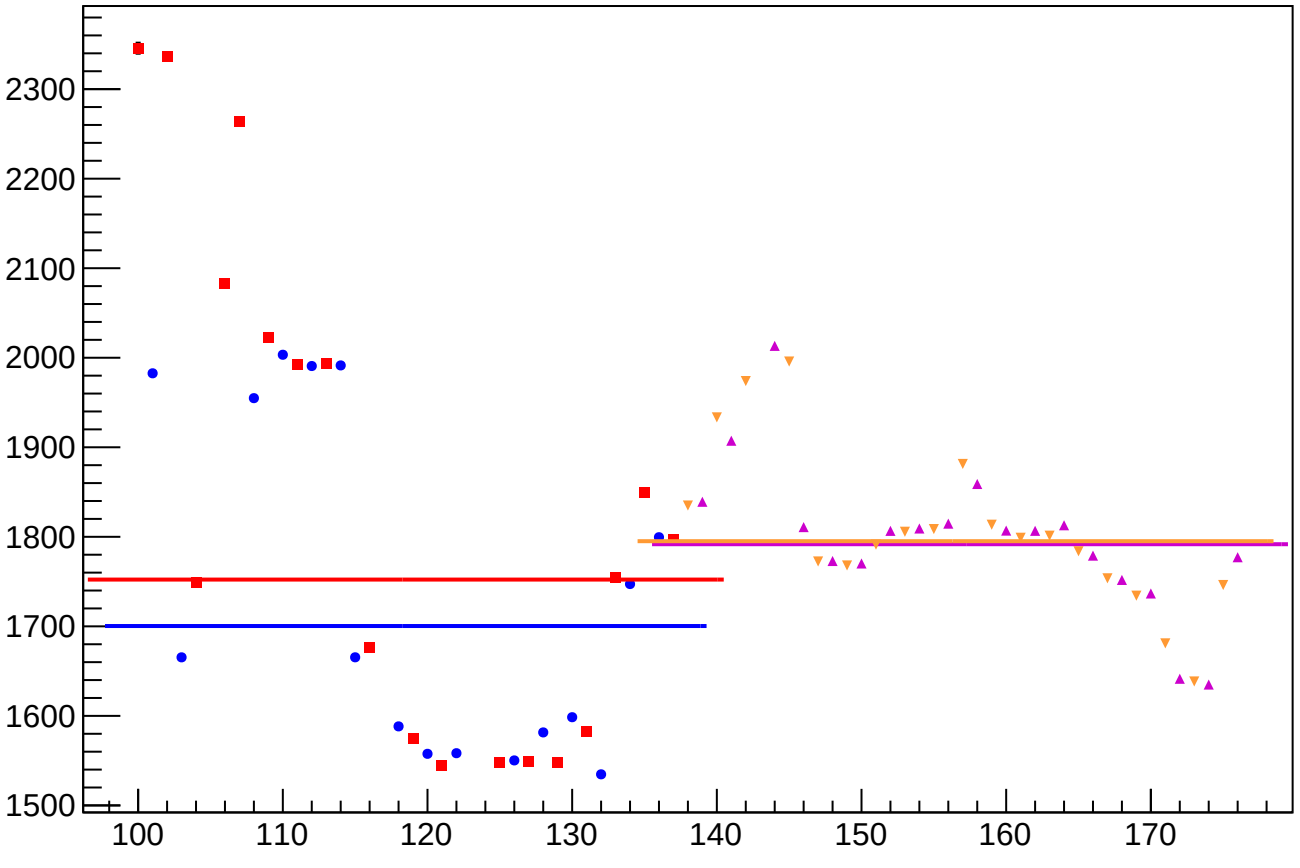
Left: 1476.489+/-324.631 χ^2/NDF: 61.3/37

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2175.948+/-370.163 χ^2/NDF:36.0/34

Out: 919.013+/-379.374 χ^2/NDF:47.7/36

All: 1562.925+/-264.942 χ^2/NDF: 89.3/71



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63352.6/18

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1791.729+/-0.322 χ^2/NDF:65200.2/18

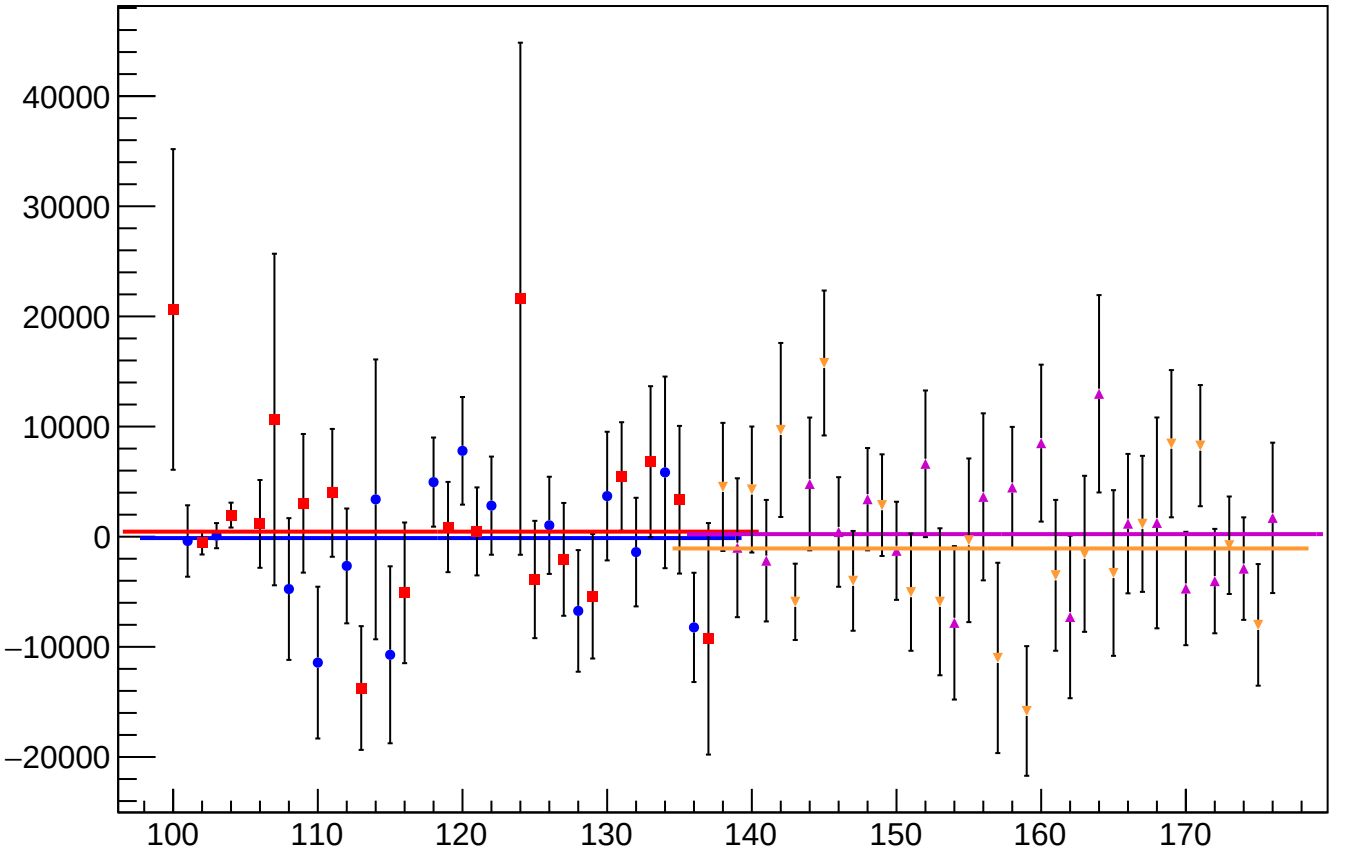
Left: 1793.387+/-0.230 χ^2/NDF: 128606.9/37

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1760.819+/-0.262 χ^2/NDF:227898.0/34

Out: 1780.944+/-0.268 χ^2/NDF:316962.9/36

All: 1770.642+/-0.187 χ^2/NDF: 547746.3/71



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1068.135+/-1269.134 χ^2/NDF:28.8/19

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 233.983+/-1345.193 χ^2/NDF:11.1/18

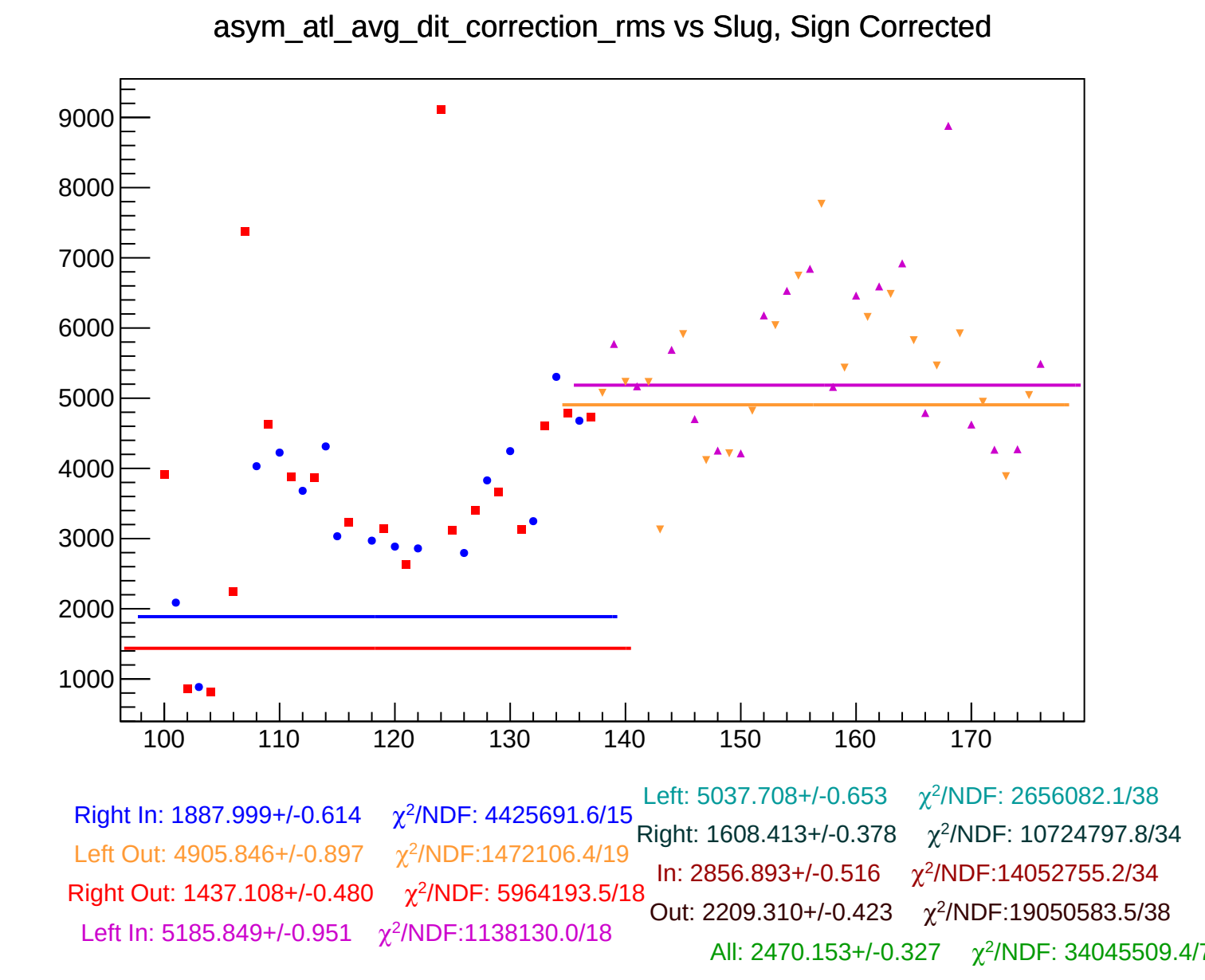
Left: -454.927+/-923.131 χ^2/NDF: 40.4/38

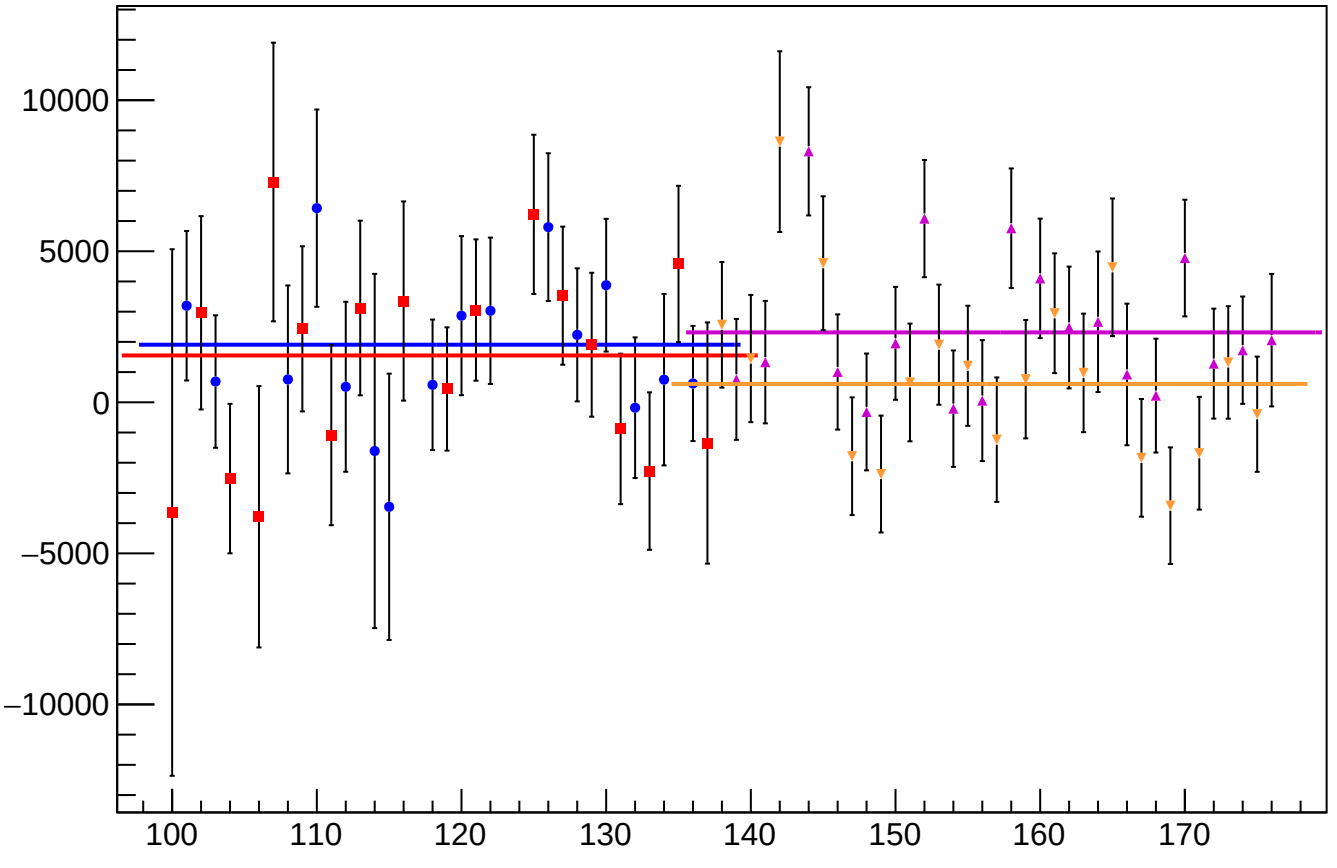
Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -19.863+/-729.134 χ^2/NDF:26.2/34

Out: 119.368+/-598.808 χ^2/NDF:48.5/38

All: 63.287+/-462.753 χ^2/NDF: 74.7/73


asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1887.999+/-0.614 χ²/NDF: 4425691.6/15
Left Out: 4905.846+/-0.897 χ²/NDF:1472106.4/19
Right Out: 1437.108+/-0.480 χ²/NDF: 5964193.5/18
Left In: 5185.849+/-0.951 χ²/NDF:1138130.0/18
Left: 5037.708+/-0.653 χ²/NDF: 2656082.1/38
Right: 1608.413+/-0.378 χ²/NDF: 10724797.8/34
In: 2856.893+/-0.516 χ²/NDF:14052755.2/34
Out: 2209.310+/-0.423 χ²/NDF:19050583.5/38
All: 2470.153+/-0.327 χ²/NDF: 34045509.4/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 608.649+/-463.256 χ^2/NDF:28.9/18

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2313.847+/-455.049 χ^2/NDF:25.5/18

Left: 1476.488+/-324.631 χ^2/NDF: 61.3/37

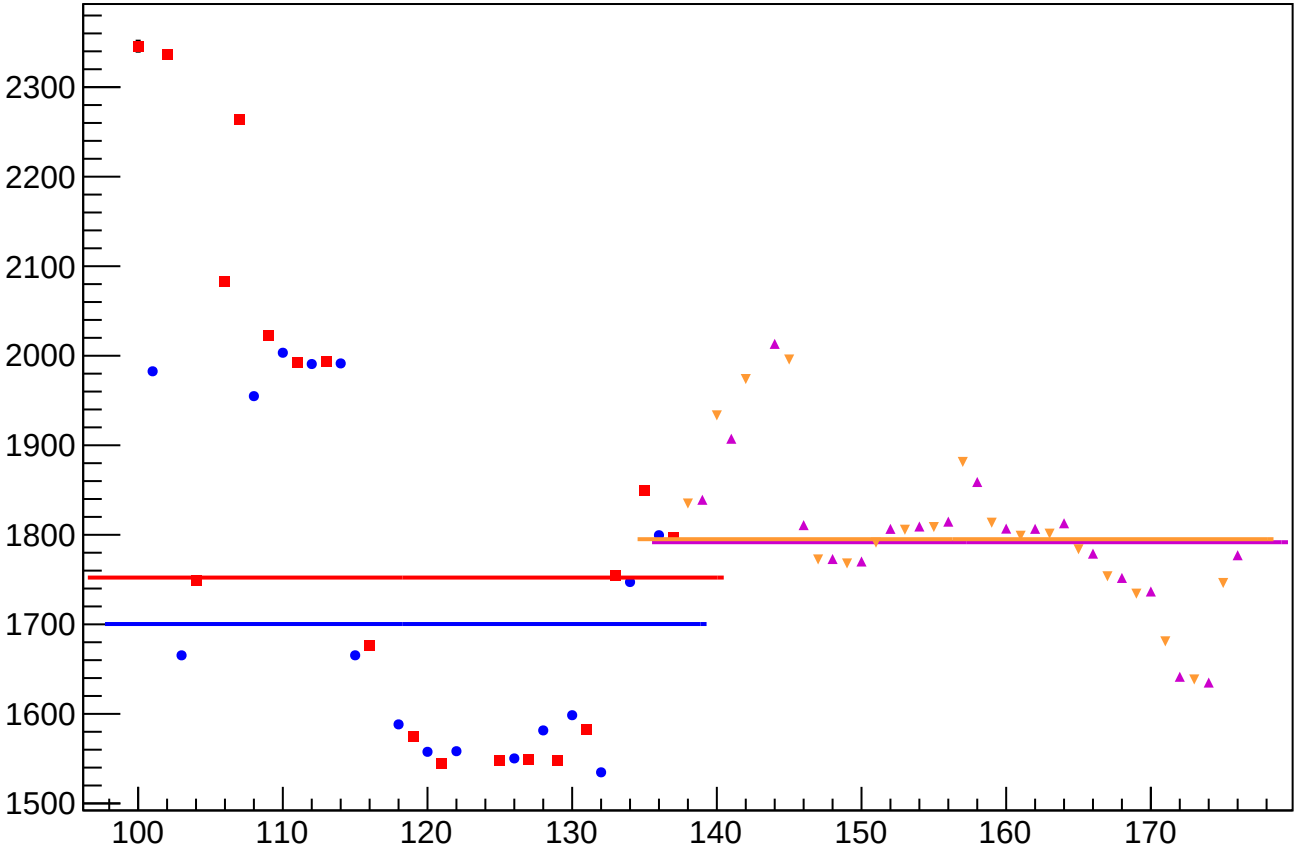
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2175.948+/-370.164 χ^2/NDF:36.0/34

Out: 919.010+/-379.374 χ^2/NDF:47.7/36

All: 1562.923+/-264.942 χ^2/NDF: 89.3/71

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1795.106+/-0.328 χ^2/NDF:63354.8/18

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1791.730+/-0.322 χ^2/NDF:65202.3/18

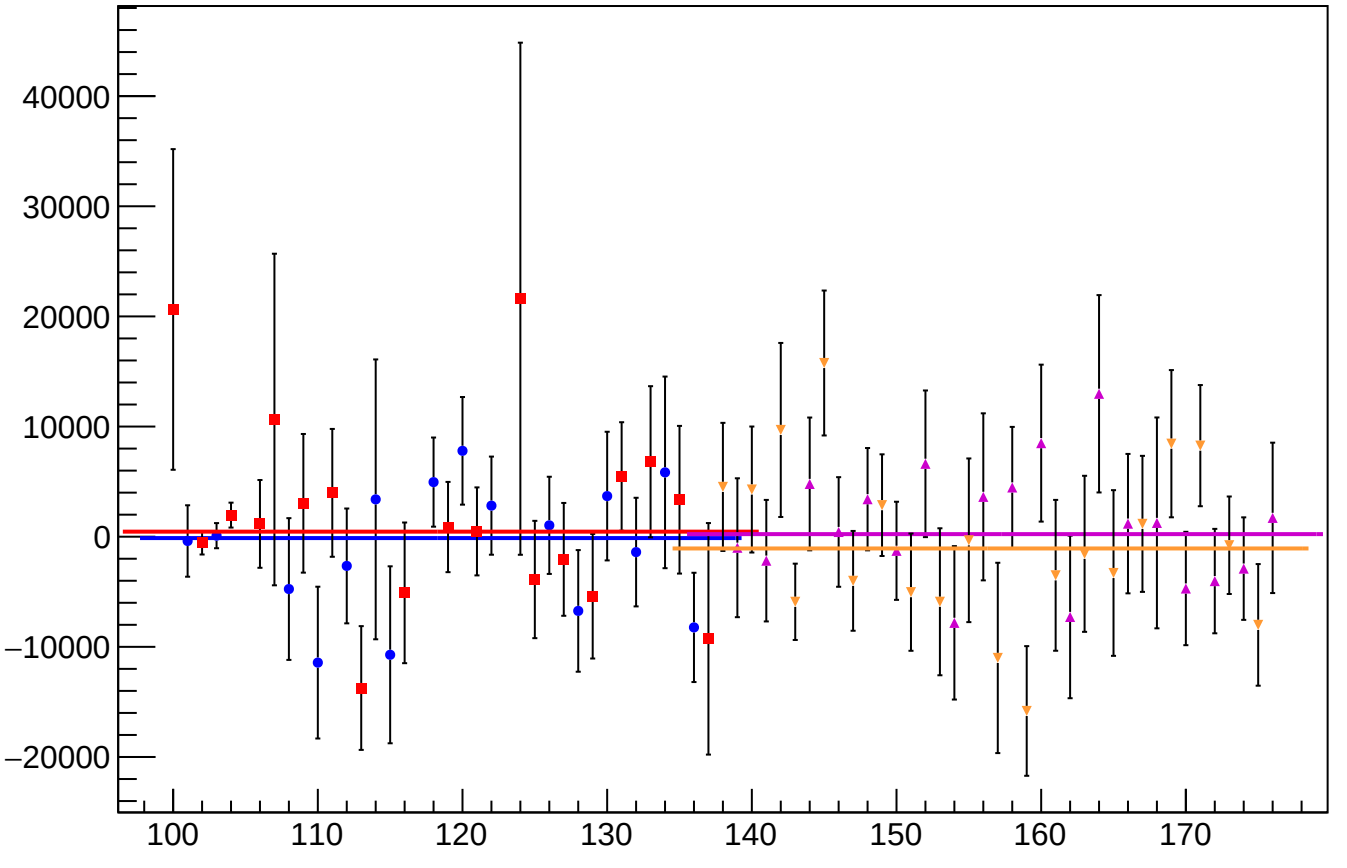
Left: 1793.388+/-0.230 χ^2/NDF: 128611.2/37

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1760.820+/-0.262 χ^2/NDF:227900.9/34

Out: 1780.944+/-0.268 χ^2/NDF:316965.0/36

All: 1770.642+/-0.187 χ^2/NDF: 547751.2/71



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1068.141+/-1269.136 χ^2/NDF:28.8/19

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 233.984+/-1345.195 χ^2/NDF:11.1/18

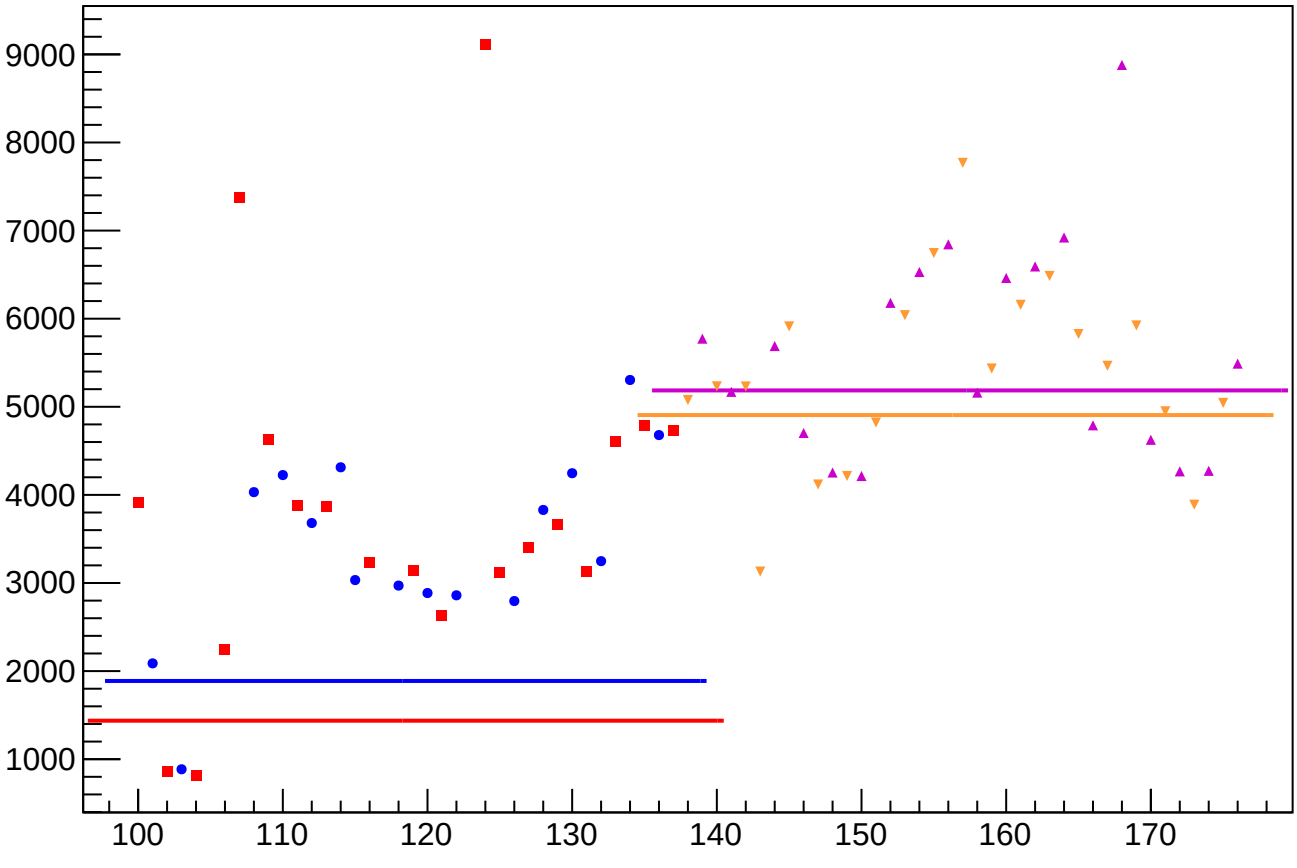
Left: -454.929+/-923.133 χ^2/NDF: 40.4/38

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -19.861+/-729.131 χ^2/NDF:26.2/34

Out: 119.370+/-598.804 χ^2/NDF:48.5/38

All: 63.289+/-462.751 χ^2/NDF: 74.7/73



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4905.853+/-0.897 χ^2/NDF:1472111.7/19

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5185.858+/-0.951 χ^2/NDF:1138130.4/18

Left: 5037.716+/-0.653 χ^2/NDF: 2656088.2/38

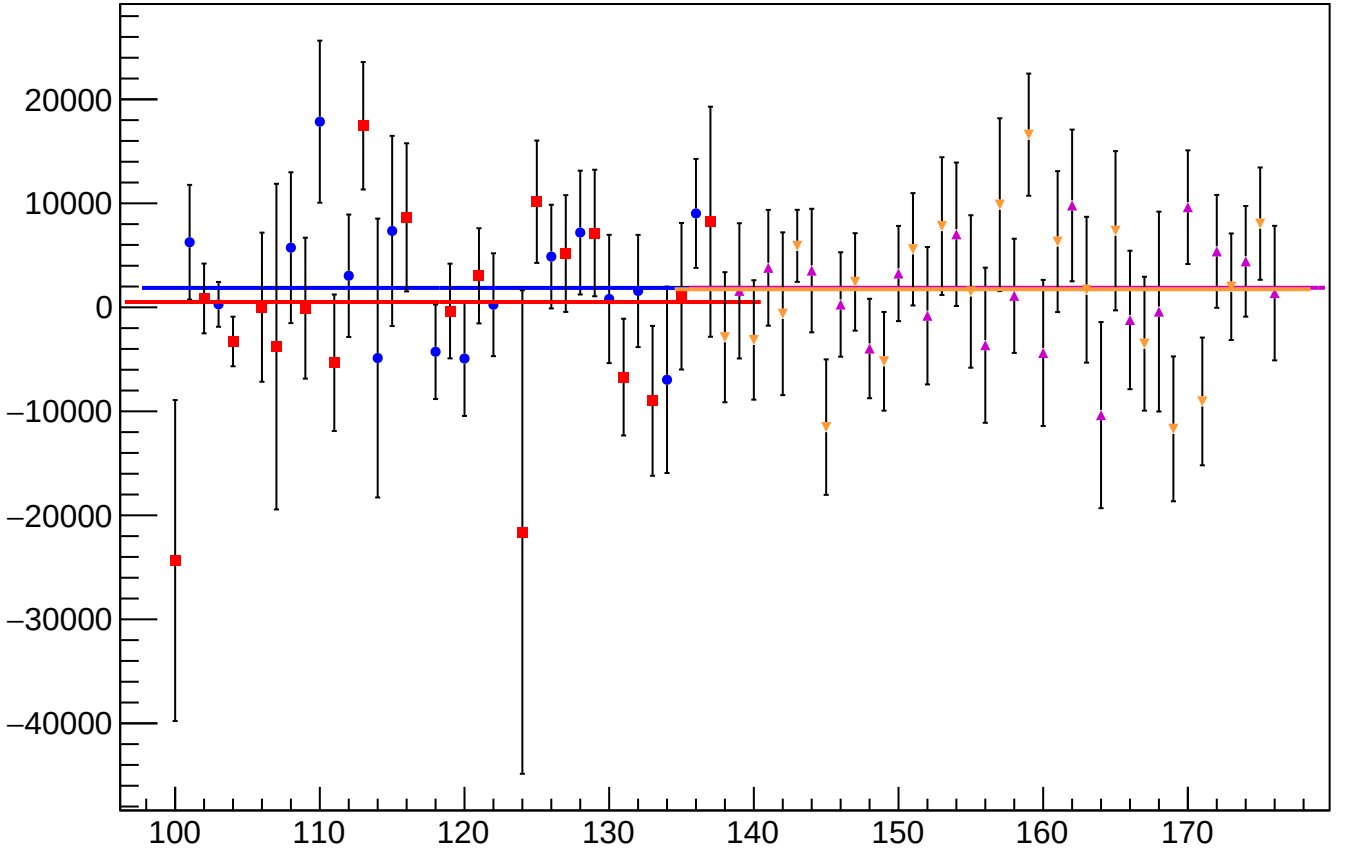
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2856.873+/-0.516 χ^2/NDF:14052934.1/34

Out: 2209.291+/-0.423 χ^2/NDF:19050772.6/38

All: 2470.133+/-0.327 χ^2/NDF: 34045884.6/7

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1741.633+/-1300.748 χ^2/NDF:27.6/19

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1880.818+/-1383.932 χ^2/NDF:10.0/18

Left: 1806.917+/-947.812 χ^2/NDF: 37.6/38

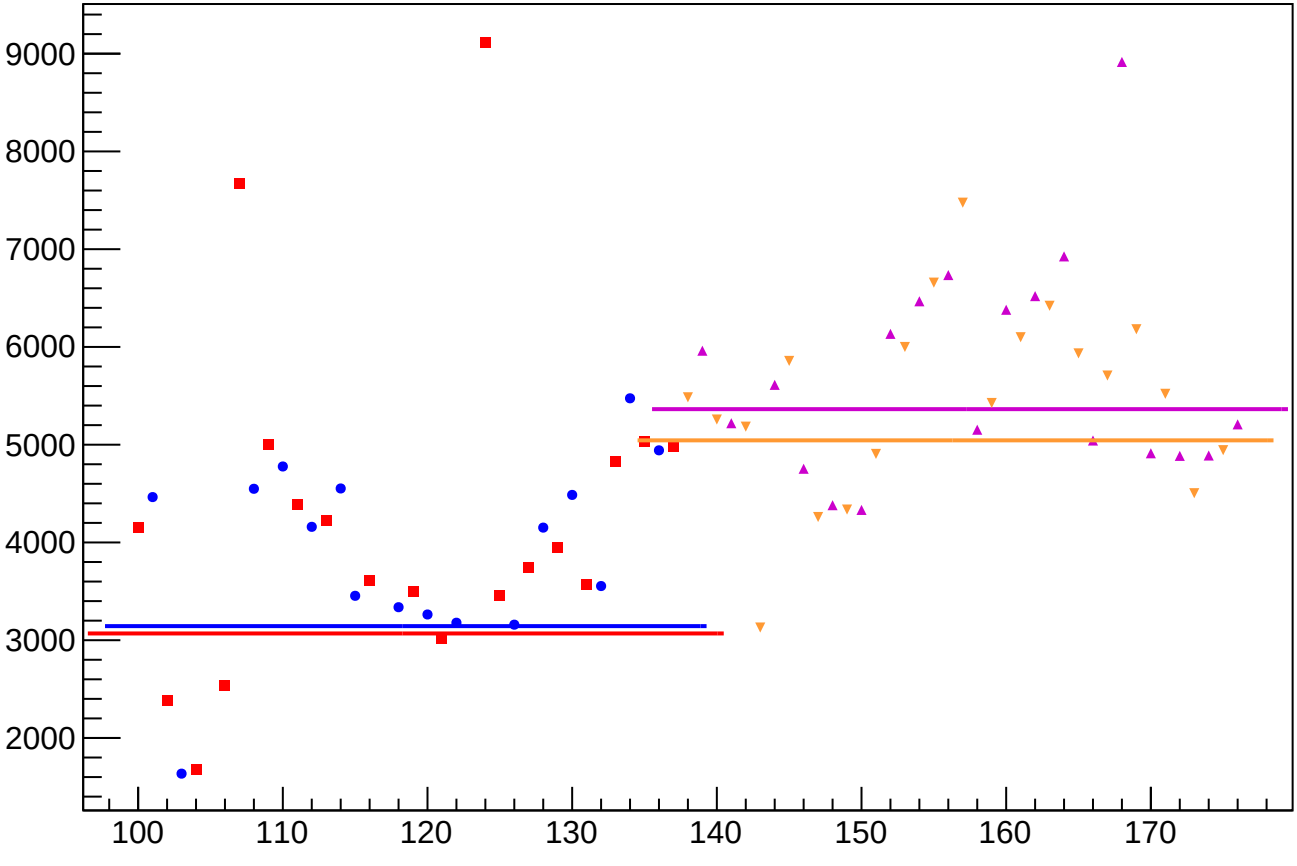
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1873.049+/-931.366 χ^2/NDF:23.8/34

Out: 1098.458+/-898.094 χ^2/NDF:52.8/38

All: 1471.671+/-646.491 χ^2/NDF: 76.9/73

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.444+/-0.920 χ^2/NDF:1337452.7/19

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5363.663+/-0.979 χ^2/NDF:863223.8/18

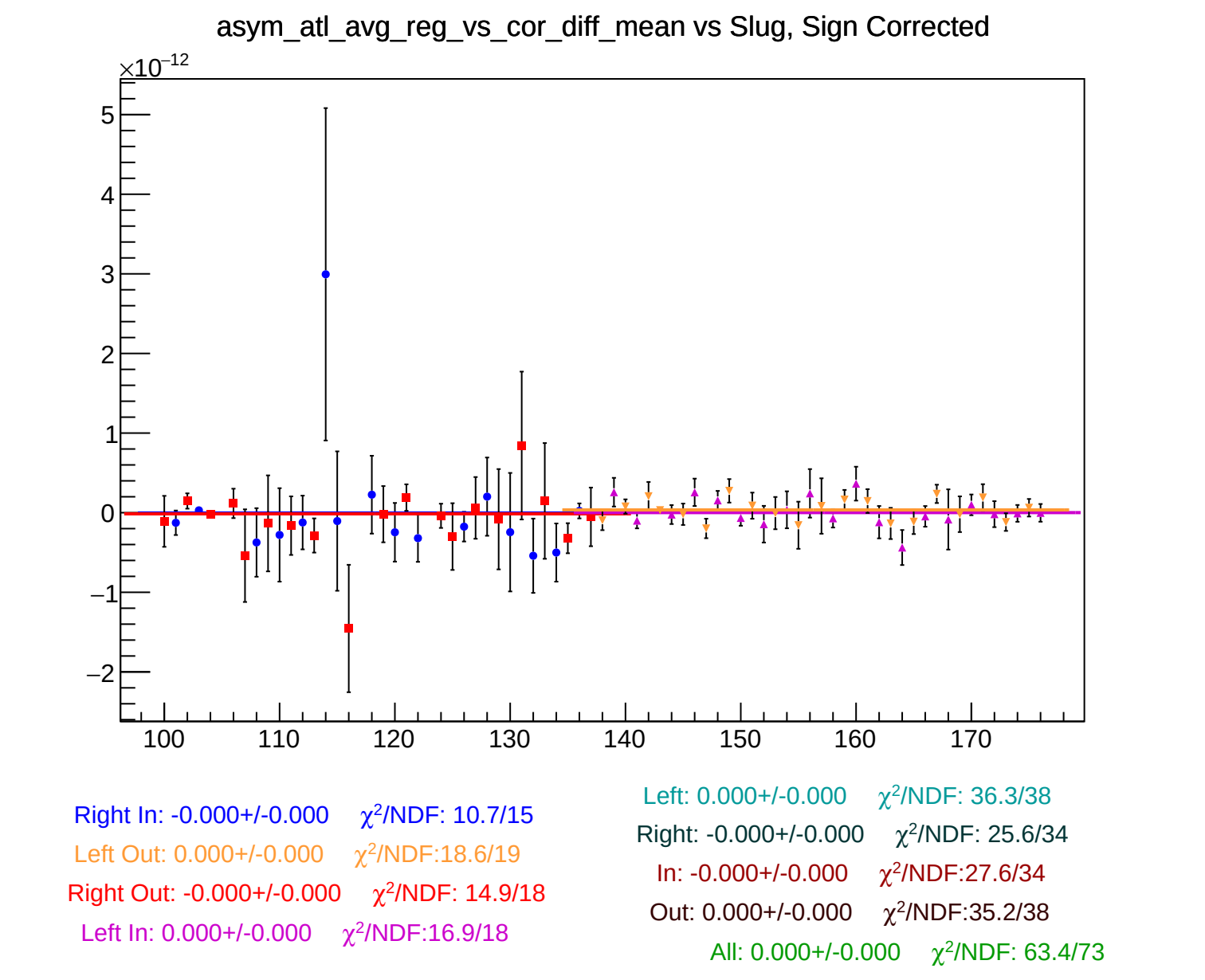
Left: 5194.172+/-0.670 χ^2/NDF: 2257175.0/38

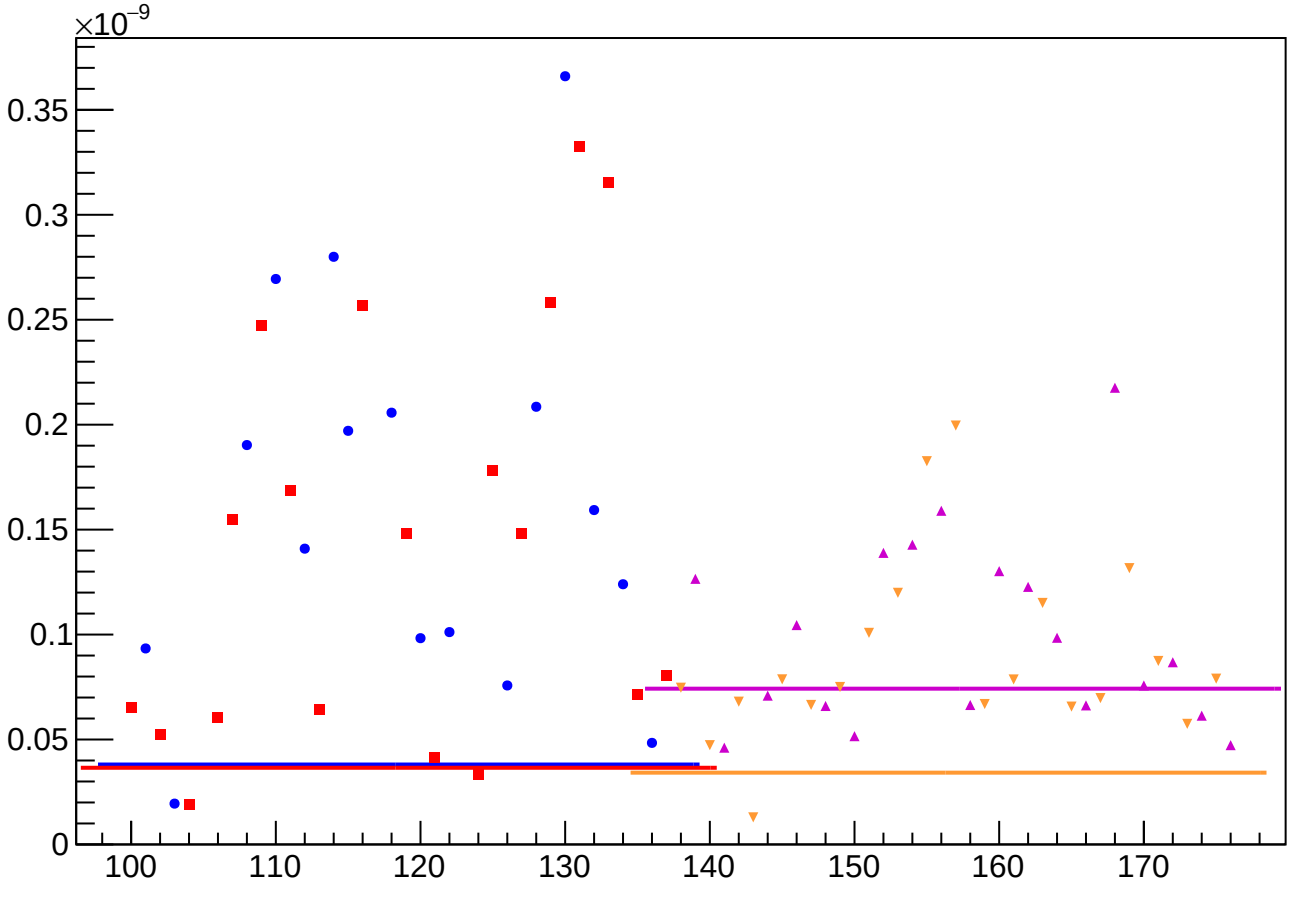
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4149.377+/-0.659 χ^2/NDF:5560736.7/34

Out: 3995.306+/-0.630 χ^2/NDF:5668831.6/38

All: 4068.904+/-0.455 χ^2/NDF: 11258155.1/7


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.6/19
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.9/18
Left: 0.000+/-0.000 χ²/NDF: 36.3/38
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:27.6/34
Out: 0.000+/-0.000 χ²/NDF:35.2/38
All: 0.000+/-0.000 χ²/NDF: 63.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6074365.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1741327.3/18

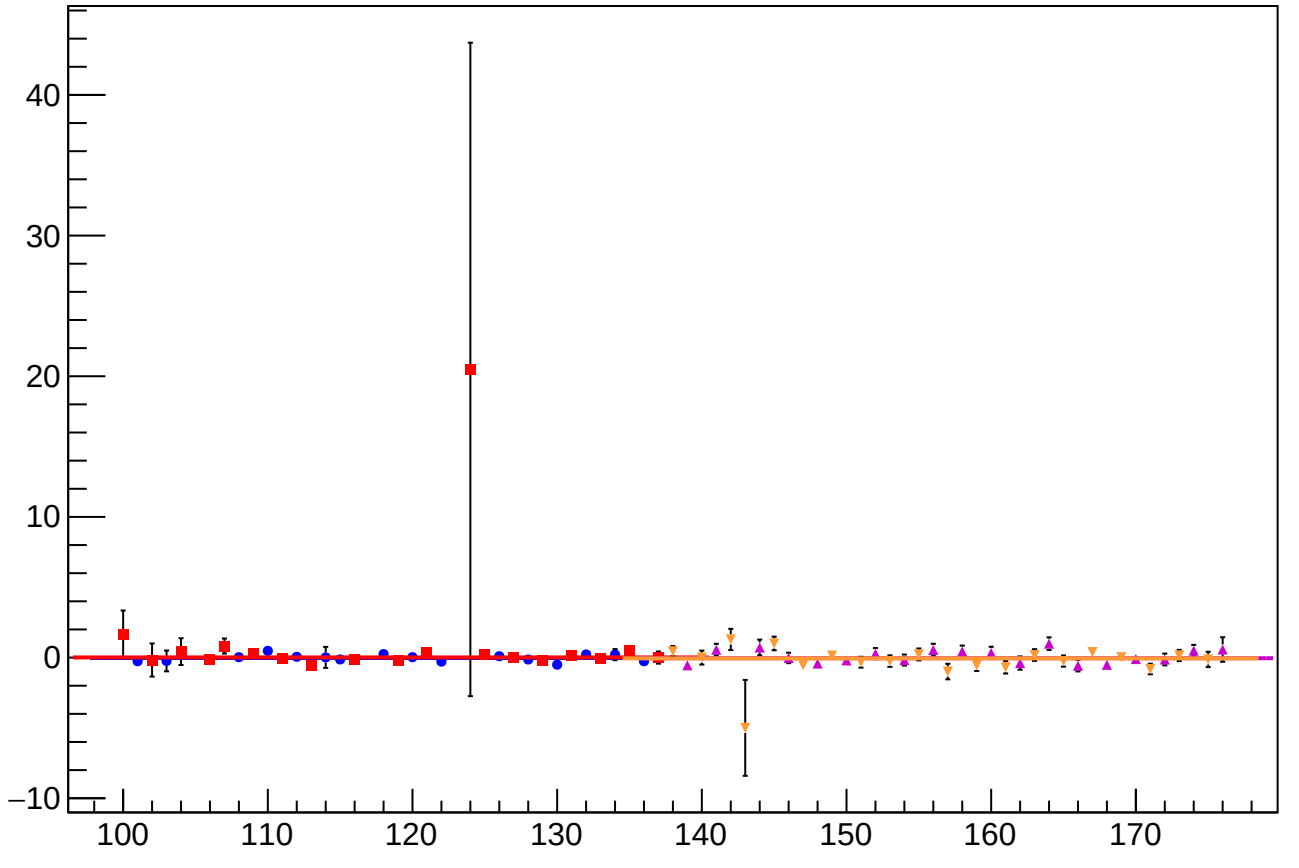
Left: 0.000+/-0.000 χ^2/NDF: 10062095.6/38

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5806241.0/34

Out: 0.000+/-0.000 χ^2/NDF:8765460.2/38

All: 0.000+/-0.000 χ^2/NDF: 15756787.4/73



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

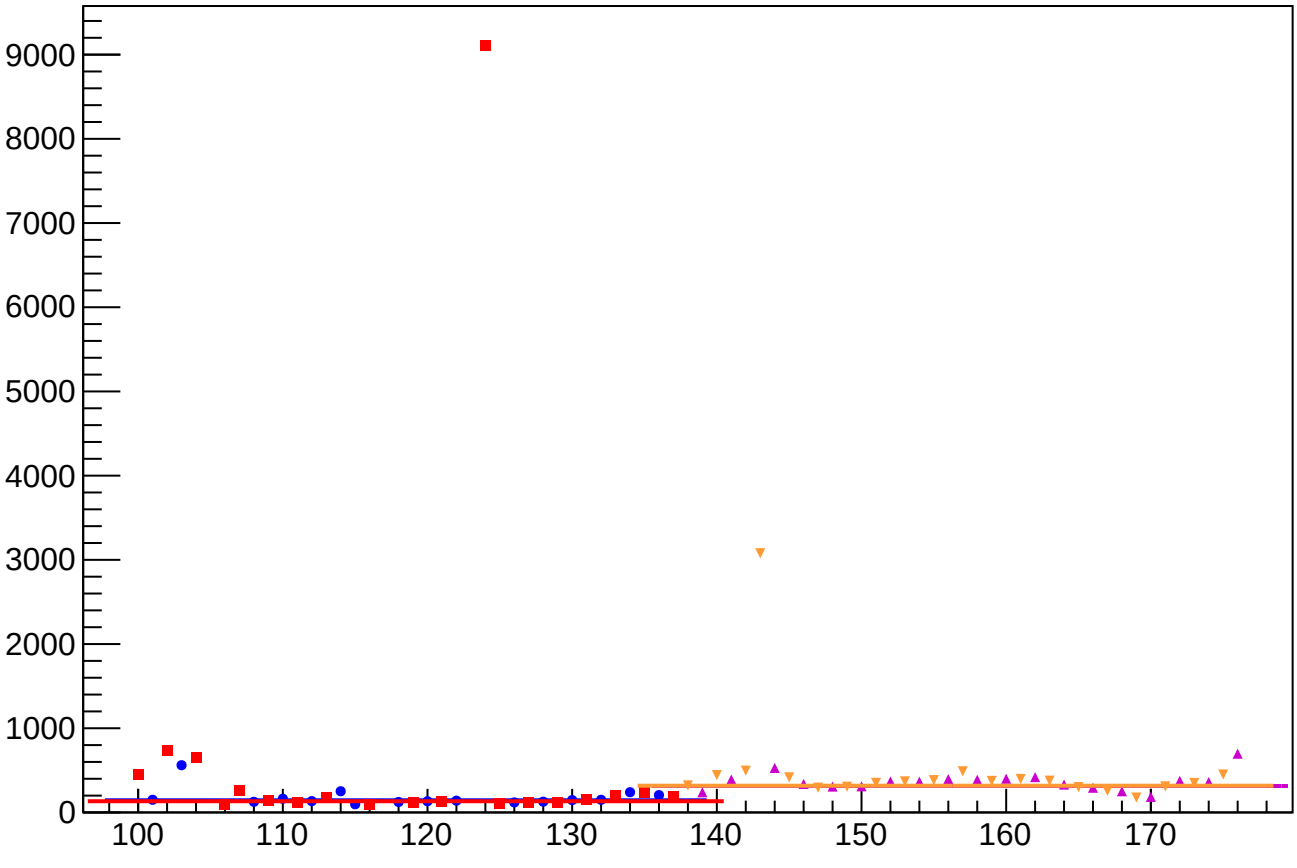
Left: -0.051+/-0.060 χ^2/NDF: 55.8/38

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.009+/-0.047 χ^2/NDF:51.7/38

All: -0.022+/-0.034 χ^2/NDF: 95.4/73



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

Left: 315.860+/-0.043 χ^2/NDF: 5535662.8/38

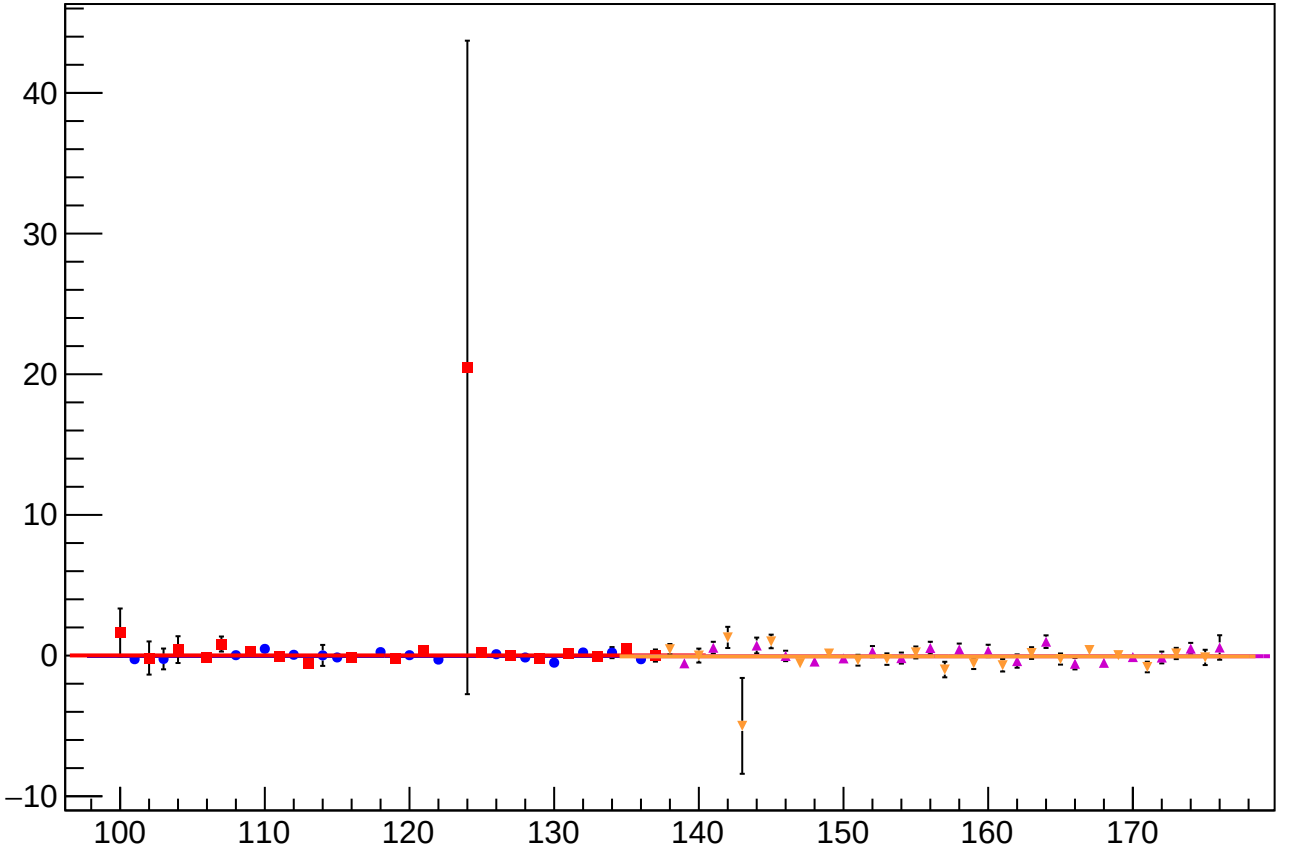
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 198.709+/-0.034 χ^2/NDF:8887654.0/34

Out: 188.562+/-0.033 χ^2/NDF:11911424.3/38

All: 193.594+/-0.024 χ^2/NDF: 20844755.9/73

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

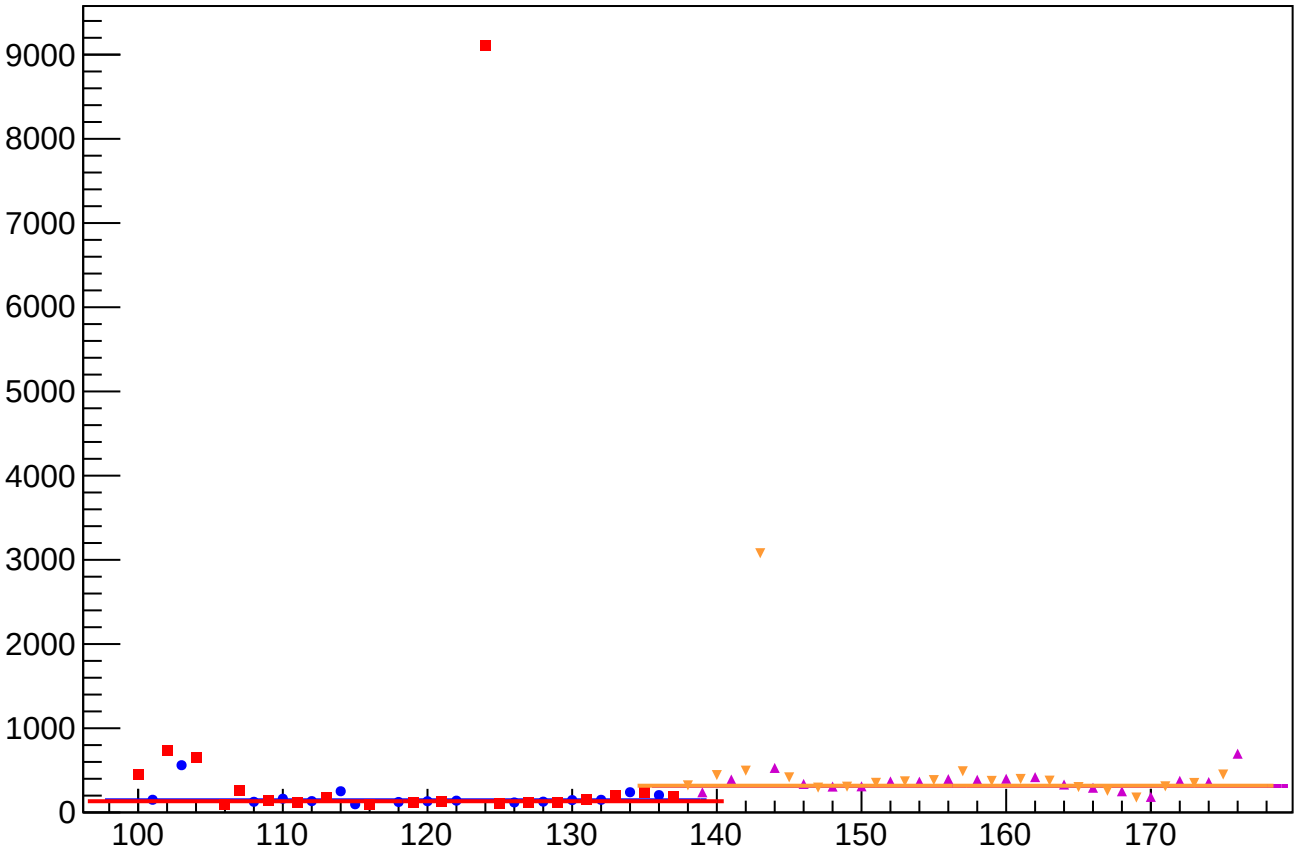
Left: -0.051+/-0.060 χ^2/NDF: 55.8/38

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.009+/-0.047 χ^2/NDF:51.7/38

All: -0.022+/-0.034 χ^2/NDF: 95.4/73



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 317.671+/-0.061 χ^2/NDF:3303067.6/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

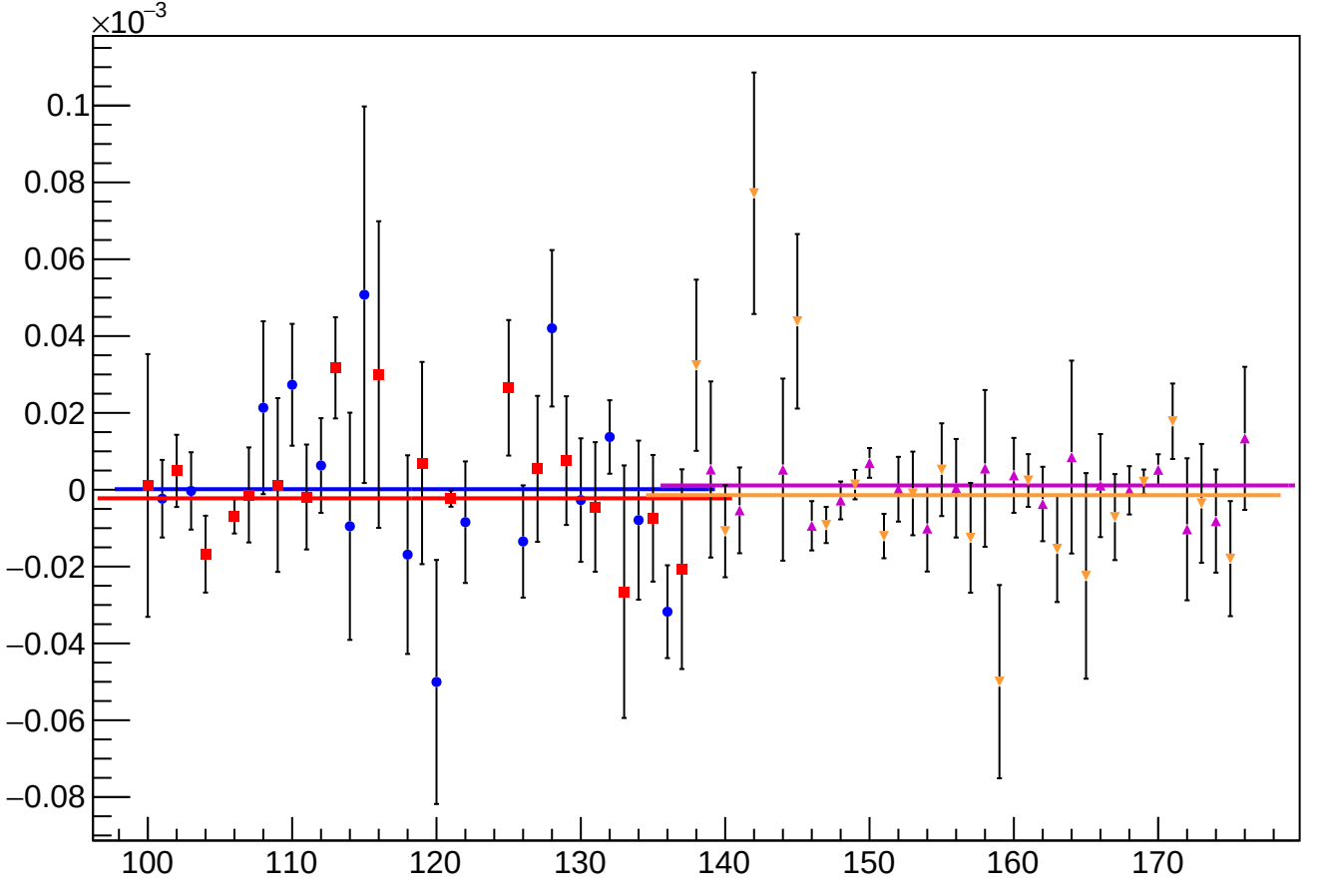
Left: 315.860+/-0.043 χ^2/NDF: 5535662.8/38

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 198.709+/-0.034 χ^2/NDF:8887654.0/34

Out: 188.562+/-0.033 χ^2/NDF:11911424.3/38

All: 193.594+/-0.024 χ^2/NDF: 20844755.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/18

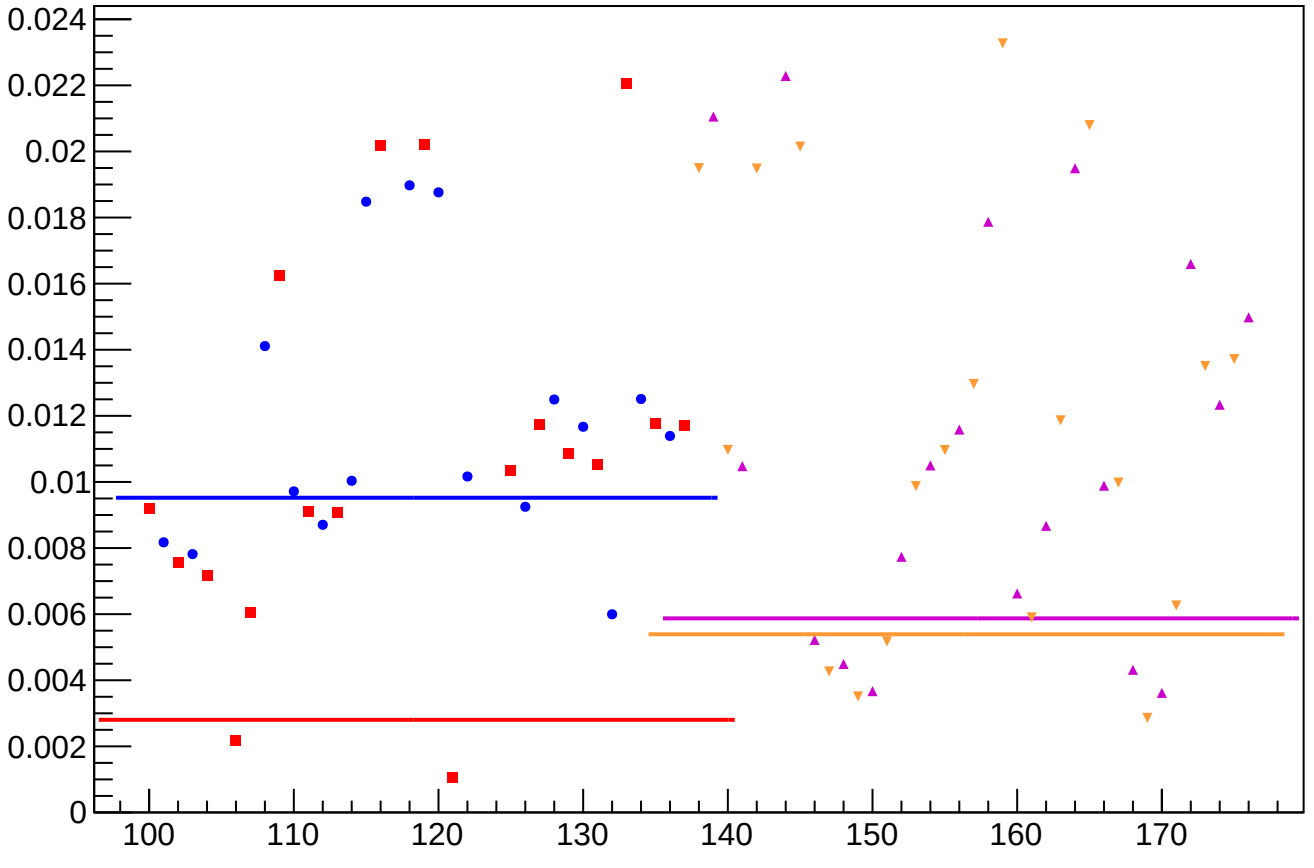
Left: -0.000+/-0.000 χ^2/NDF: 43.7/37

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:32.7/34

Out: -0.000+/-0.000 χ^2/NDF:48.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.1/71



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:9307235.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7837290.0/18

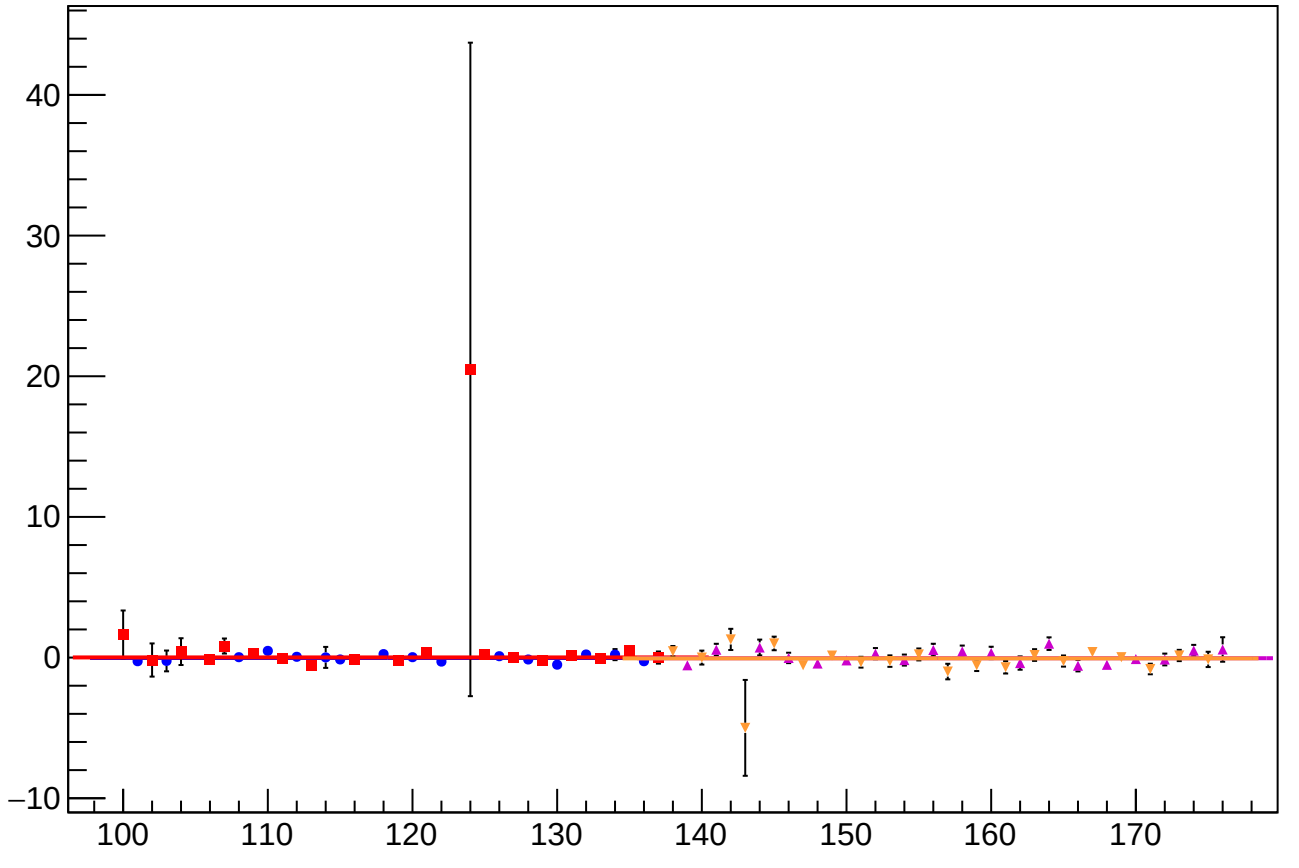
Left: 0.006+/-0.000 χ^2/NDF: 17217146.7/37

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:10506485.2/34

Out: 0.004+/-0.000 χ^2/NDF:20114099.7/36

All: 0.005+/-0.000 χ^2/NDF: 33584008.2/71



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.051+/-0.060 χ^2/NDF: 55.8/38

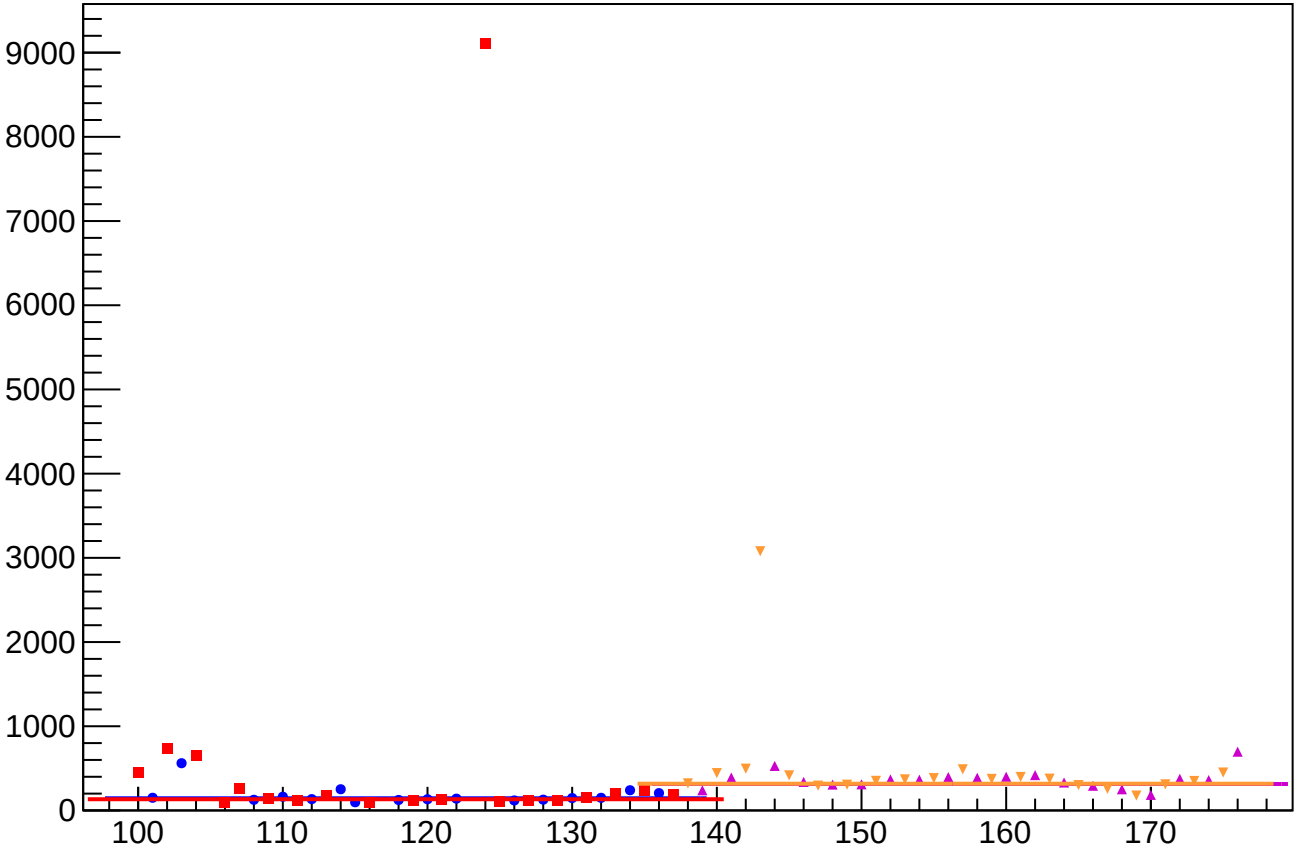
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.009+/-0.047 χ^2/NDF:51.8/38

All: -0.022+/-0.034 χ^2/NDF: 95.4/73

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: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

Left: 315.863+/-0.043 χ^2/NDF: 5535710.4/38

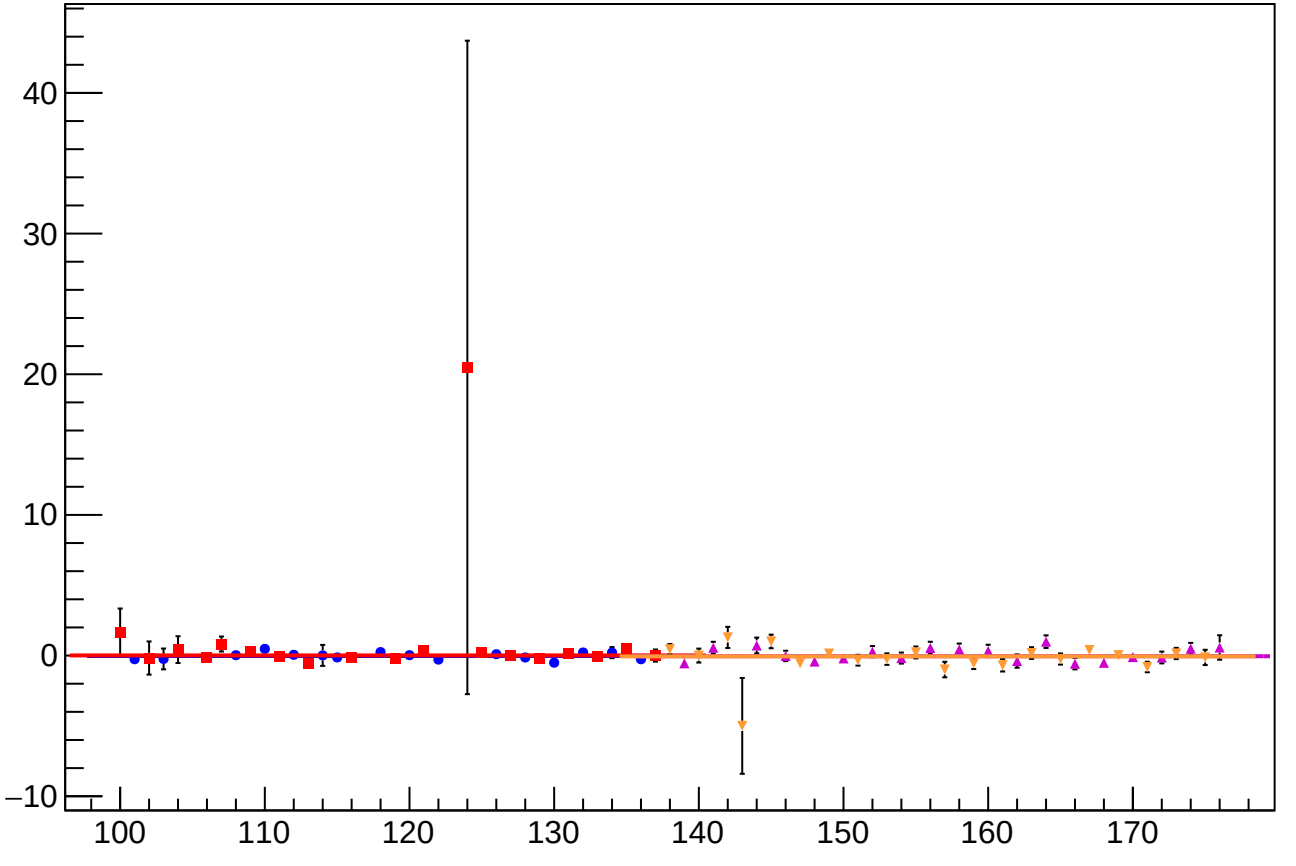
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 198.708+/-0.034 χ^2/NDF:8887916.6/34

Out: 188.561+/-0.033 χ^2/NDF:11911576.9/38

All: 193.593+/-0.024 χ^2/NDF: 20845166.4/73

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.086 χ^2/NDF:29.5/19

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.051+/-0.060 χ^2/NDF: 55.8/38

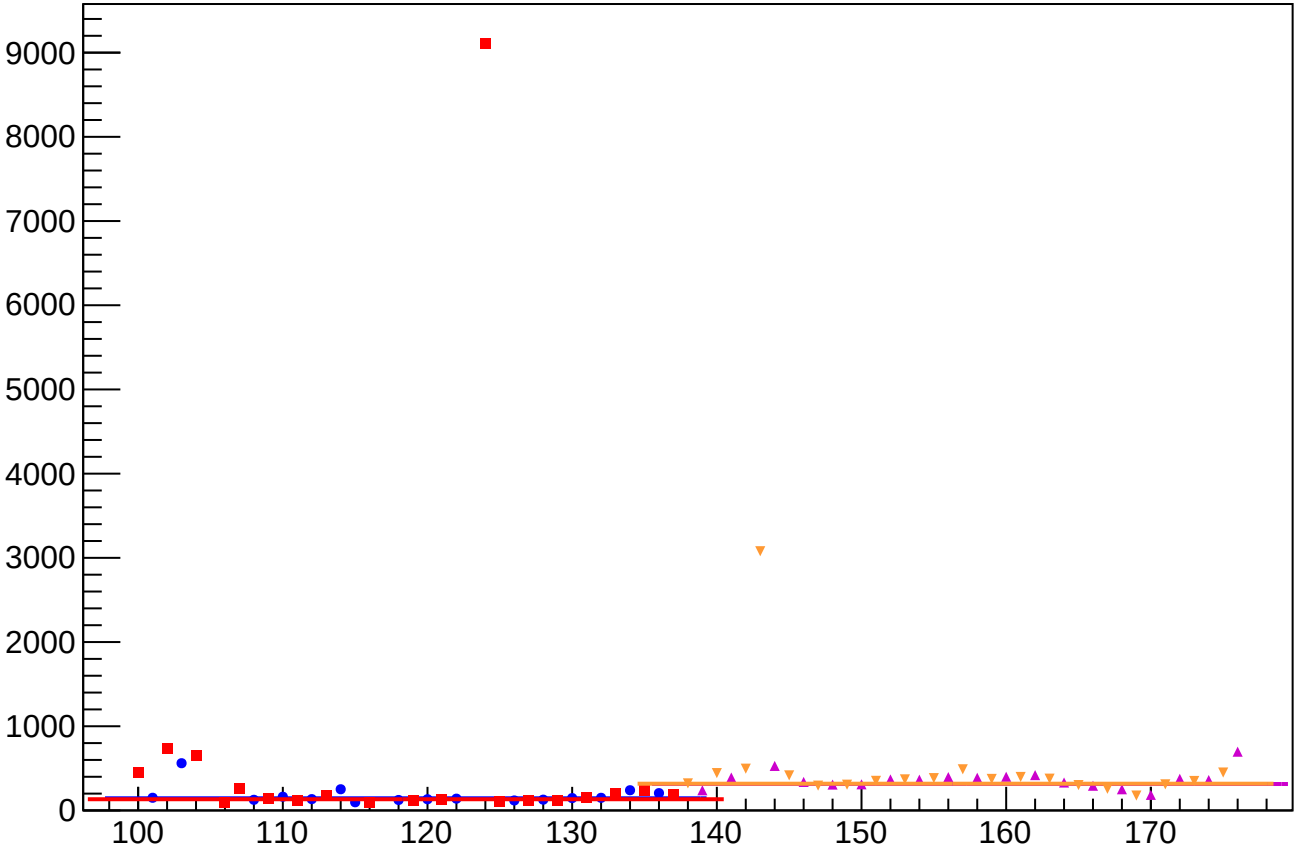
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.009+/-0.047 χ^2/NDF:51.8/38

All: -0.022+/-0.034 χ^2/NDF: 95.4/73

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: 317.673+/-0.061 χ^2/NDF:3303117.0/19

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

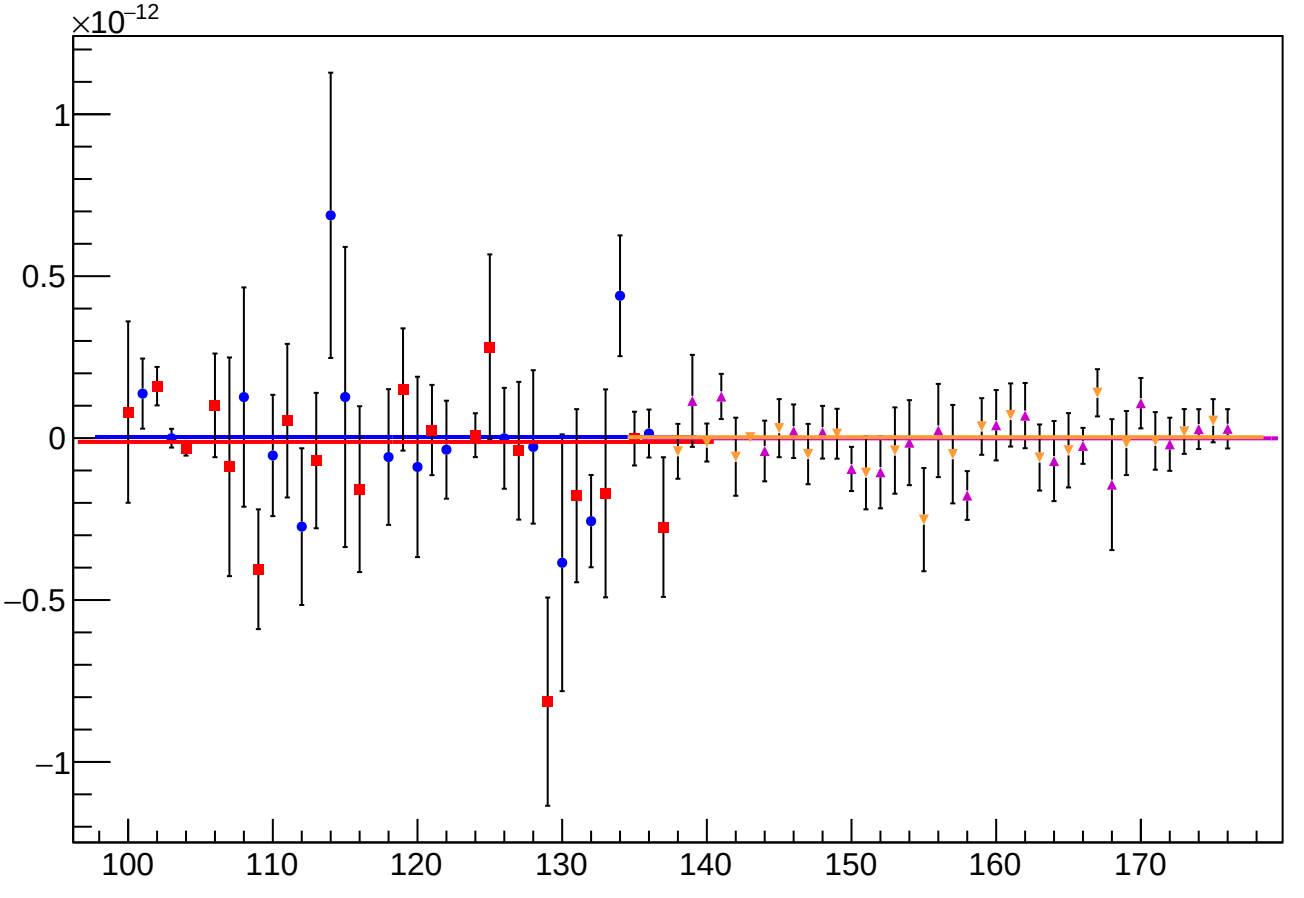
Left: 315.863+/-0.043 χ^2/NDF: 5535710.4/38

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 198.708+/-0.034 χ^2/NDF:8887916.6/34

Out: 188.561+/-0.033 χ^2/NDF:11911576.9/38

All: 193.593+/-0.024 χ^2/NDF: 20845166.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/18

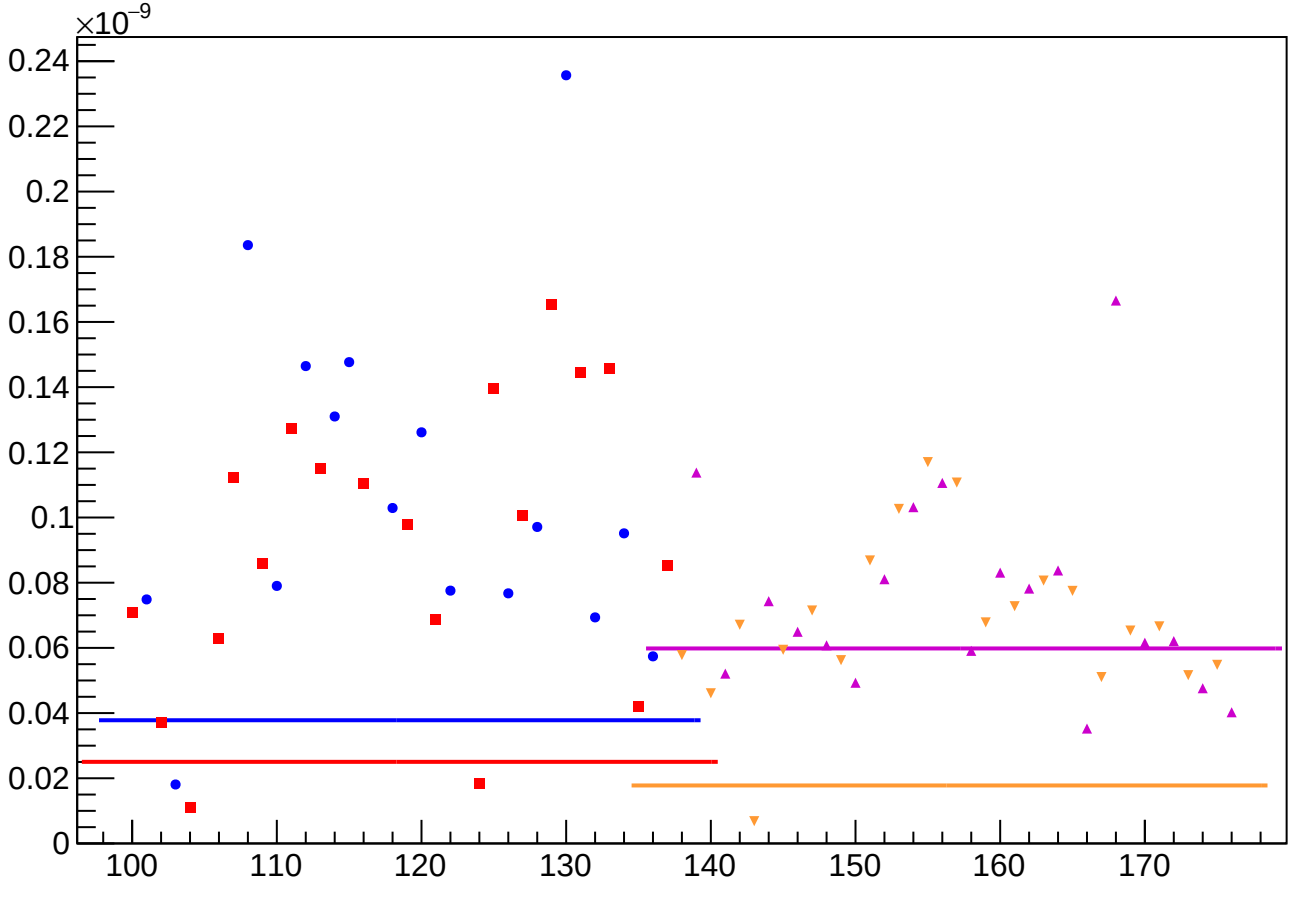
Left: 0.000+/-0.000 χ^2/NDF: 26.9/38

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:32.4/34

Out: 0.000+/-0.000 χ^2/NDF:35.7/38

All: 0.000+/-0.000 χ^2/NDF: 68.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13463477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2428815.6/18

Left: 0.000+/-0.000 χ^2/NDF: 23695044.3/38

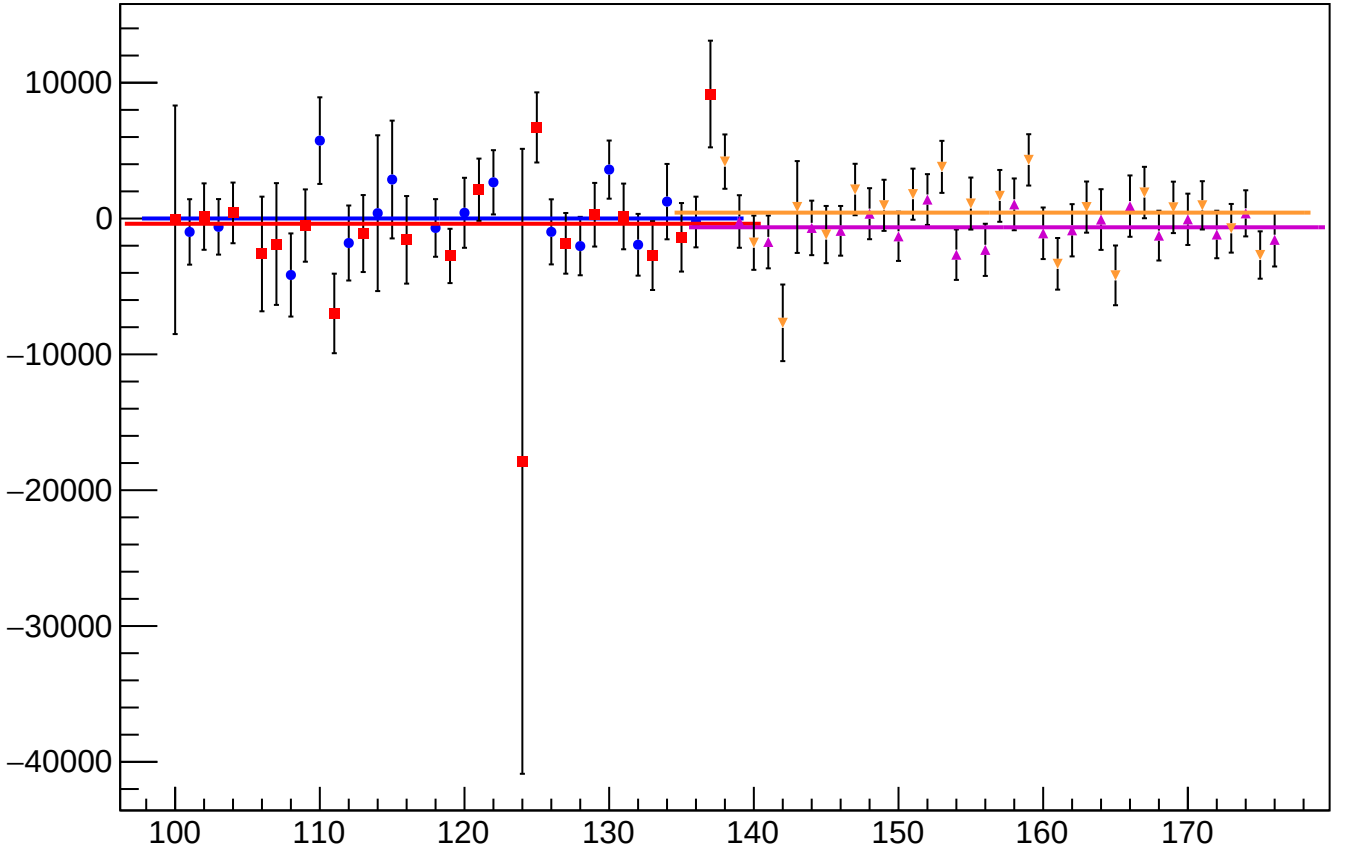
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7399521.0/34

Out: 0.000+/-0.000 χ^2/NDF:18412123.8/38

All: 0.000+/-0.000 χ^2/NDF: 32838162.9/73

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.501+/-440.084 χ^2/NDF:35.6/19

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -643.909+/-436.732 χ^2/NDF:6.2/18

Left: -108.826+/-309.994 χ^2/NDF: 44.9/38

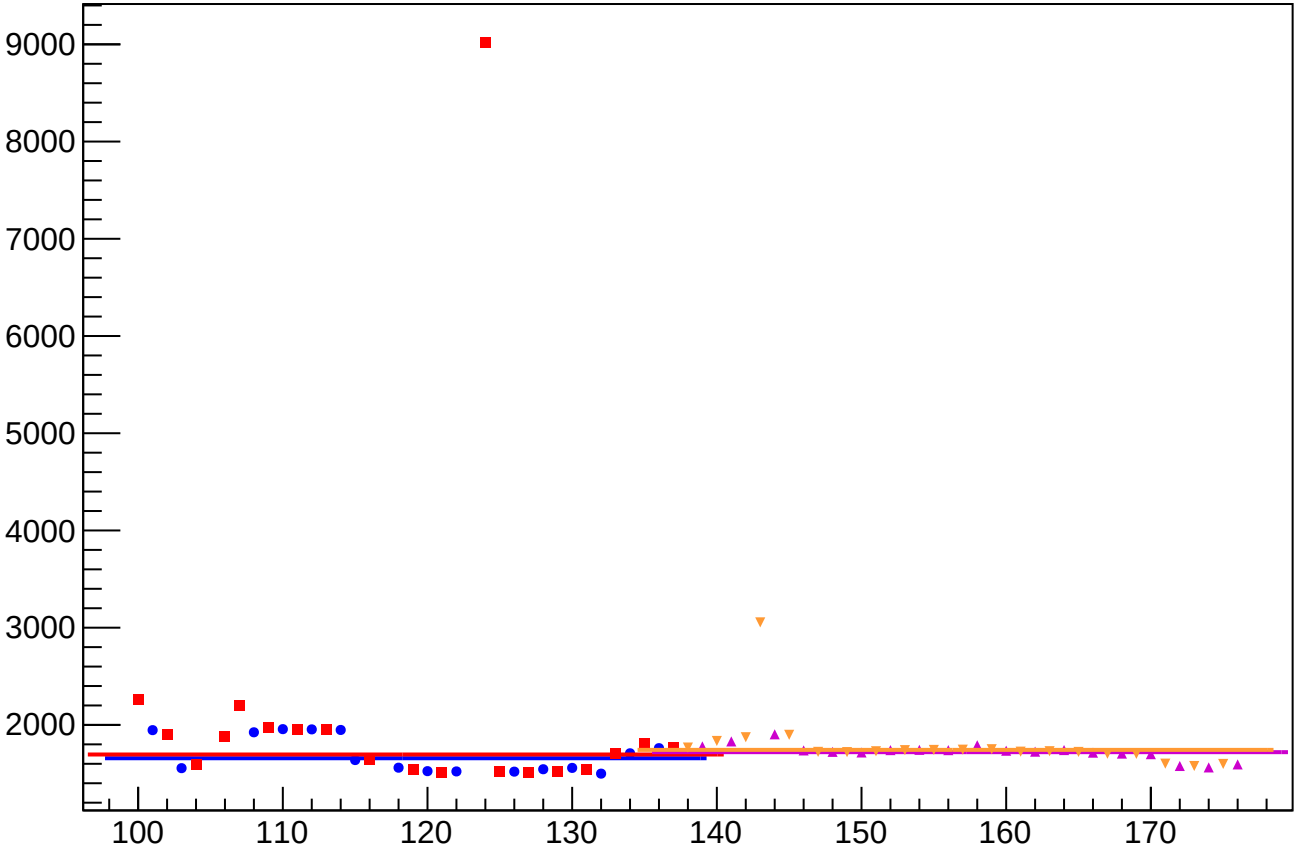
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -428.872+/-357.026 χ^2/NDF:19.4/34

Out: 167.932+/-361.464 χ^2/NDF:60.8/38

All: -134.157+/-254.010 χ^2/NDF: 81.6/73

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

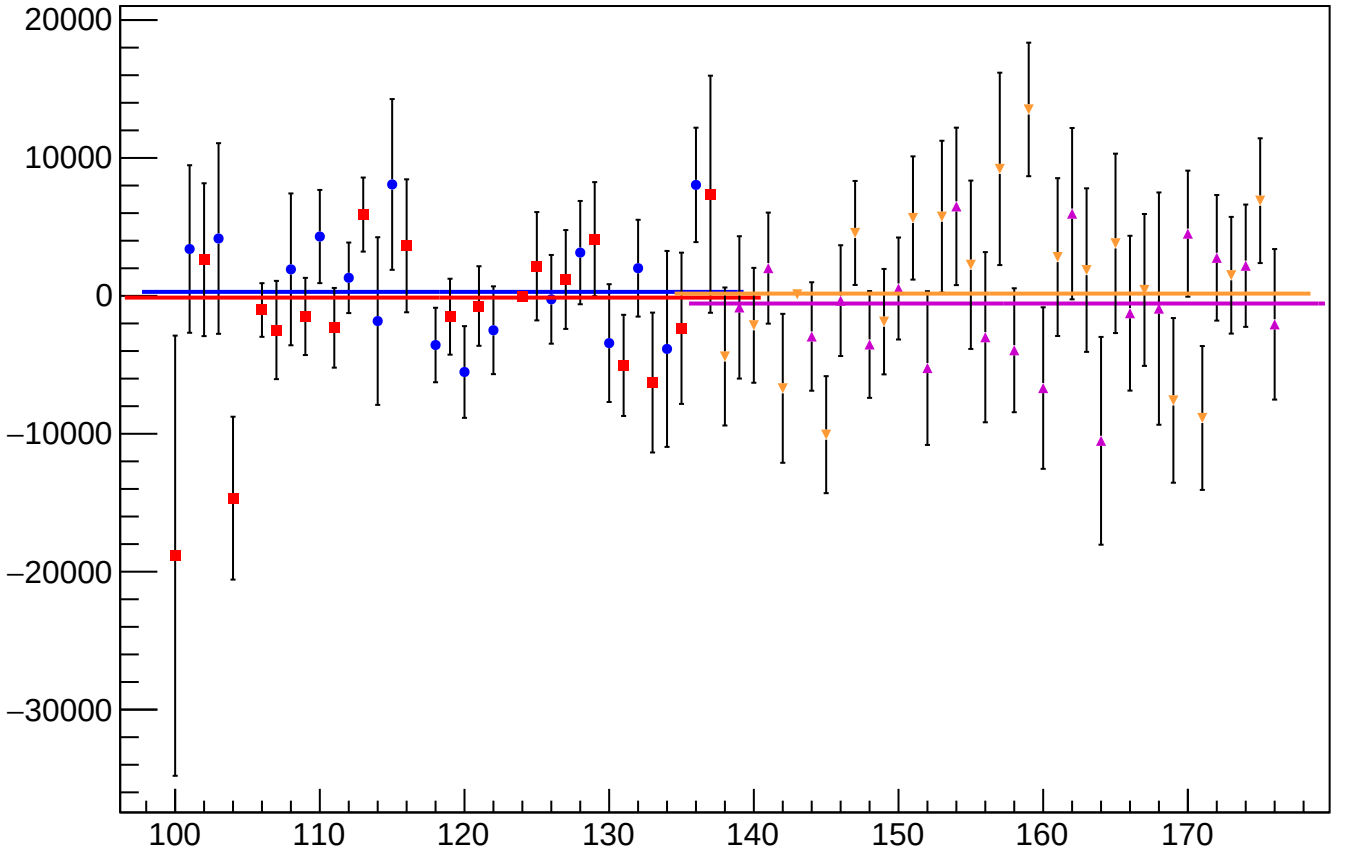
Left: 1731.355+/-0.219 χ^2/NDF: 437952.4/38

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1698.931+/-0.252 χ^2/NDF:225641.5/34

Out: 1727.635+/-0.255 χ^2/NDF:760892.7/38

All: 1713.128+/-0.179 χ^2/NDF: 992927.8/73



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 163.795+/-346.548 χ^2/NDF:29.8/19

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -555.157+/-1115.647 χ^2/NDF:10.6/18

Left: 100.529+/-330.949 χ^2/NDF: 40.7/38

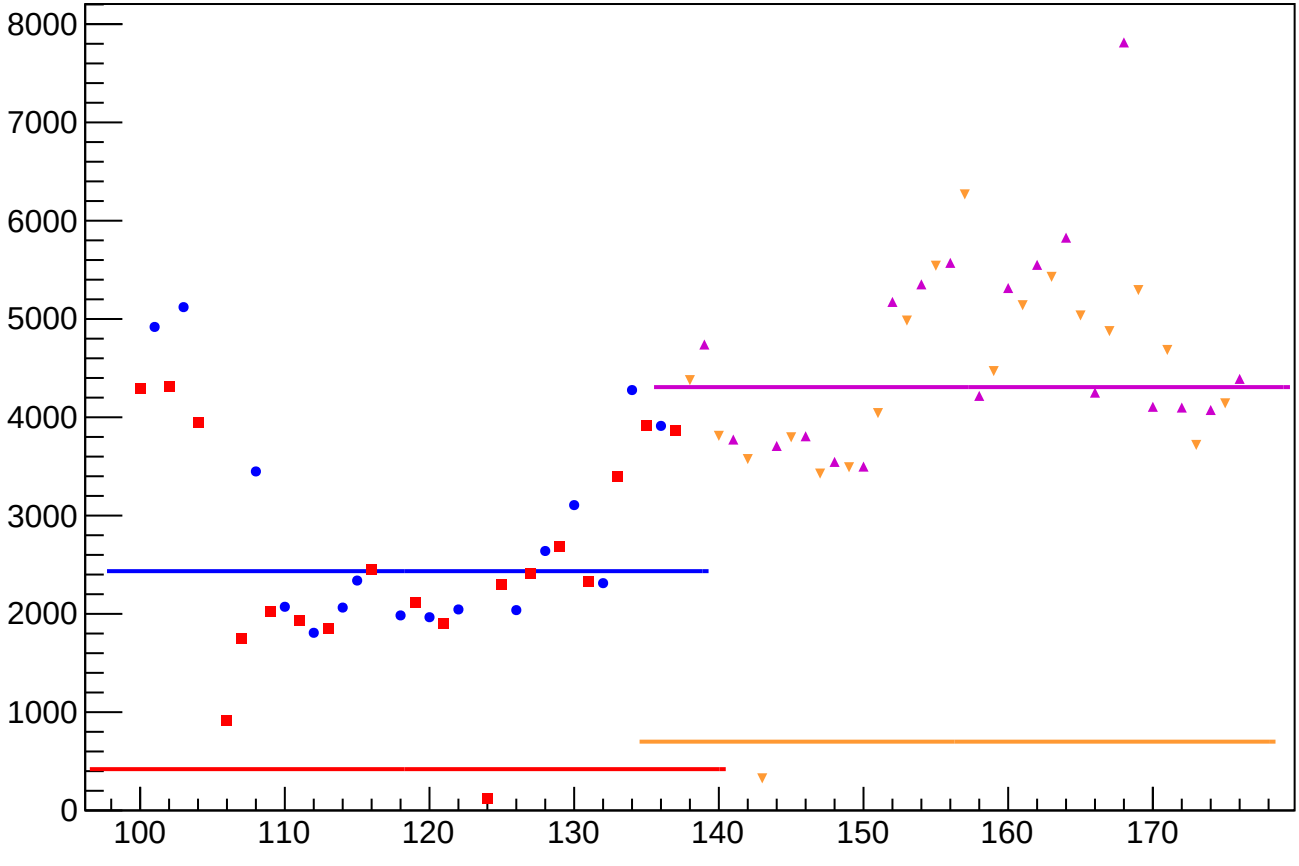
Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -70.441+/-728.149 χ^2/NDF:26.1/34

Out: 9.258+/-236.561 χ^2/NDF:51.0/38

All: 1.649+/-224.986 χ^2/NDF: 77.1/73

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 699.992+/-0.245 χ^2/NDF:23162262.0/19

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4307.065+/-0.789 χ^2/NDF:1081489.5/18

Left: 1017.404+/-0.234 χ^2/NDF: 43310754.6/38

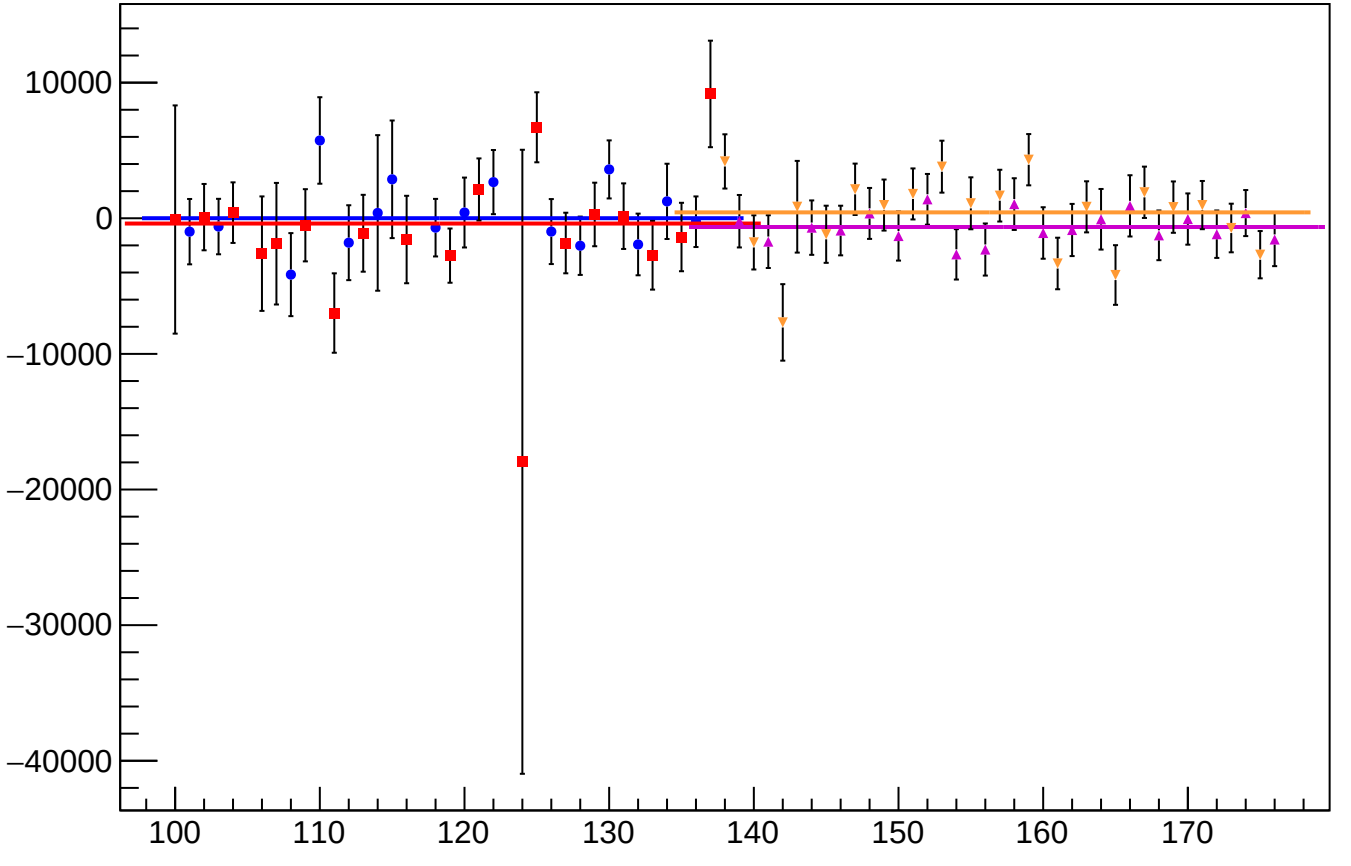
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3232.223+/-0.515 χ^2/NDF:5773181.6/34

Out: 550.625+/-0.167 χ^2/NDF:34921979.8/38

All: 806.639+/-0.159 χ^2/NDF: 65230964.1/73

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 434.460+/-440.084 χ^2/NDF:35.7/19

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -643.893+/-436.732 χ^2/NDF:6.2/18

Left: -108.838+/-309.994 χ^2/NDF: 44.9/38

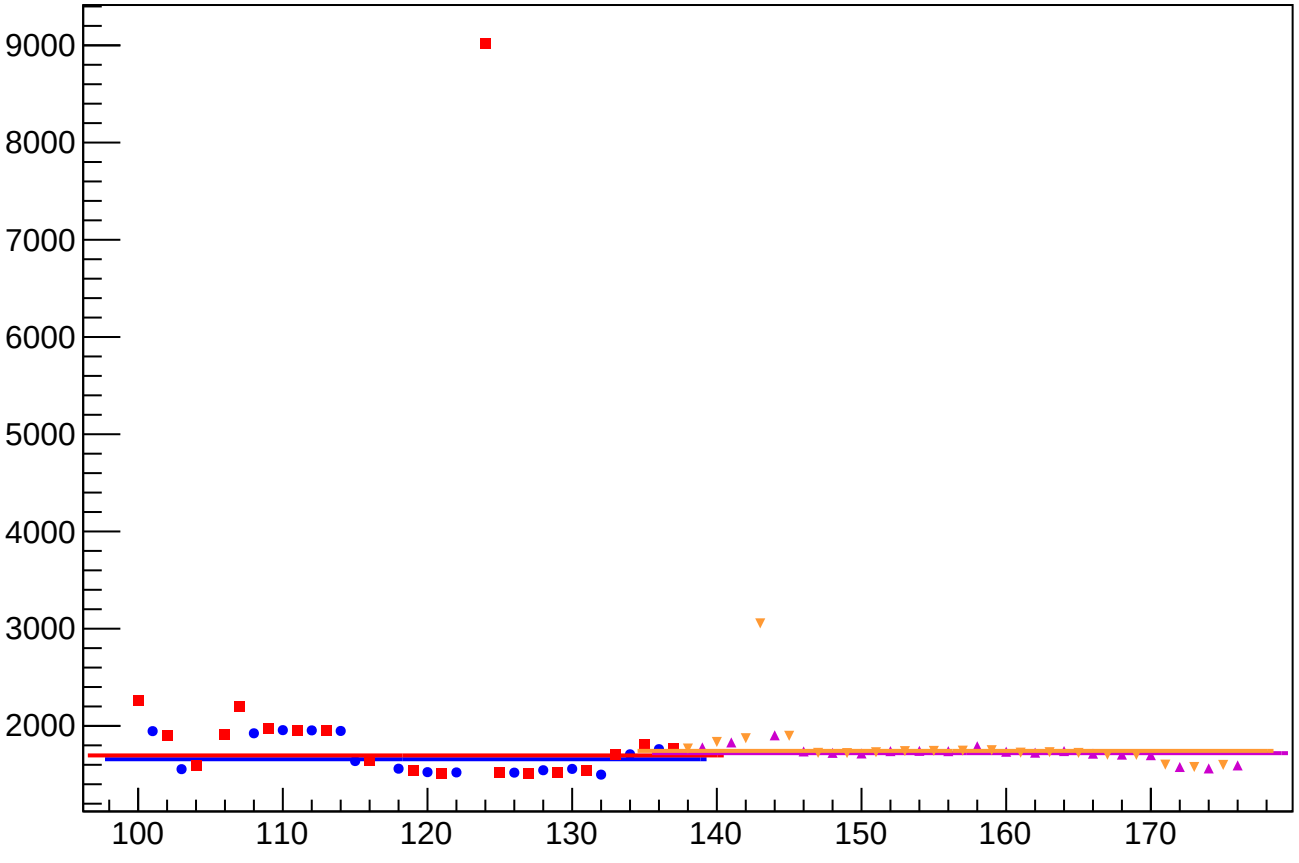
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -428.887+/-357.026 χ^2/NDF:19.4/34

Out: 166.510+/-361.466 χ^2/NDF:60.8/38

All: -134.867+/-254.011 χ^2/NDF: 81.6/73

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

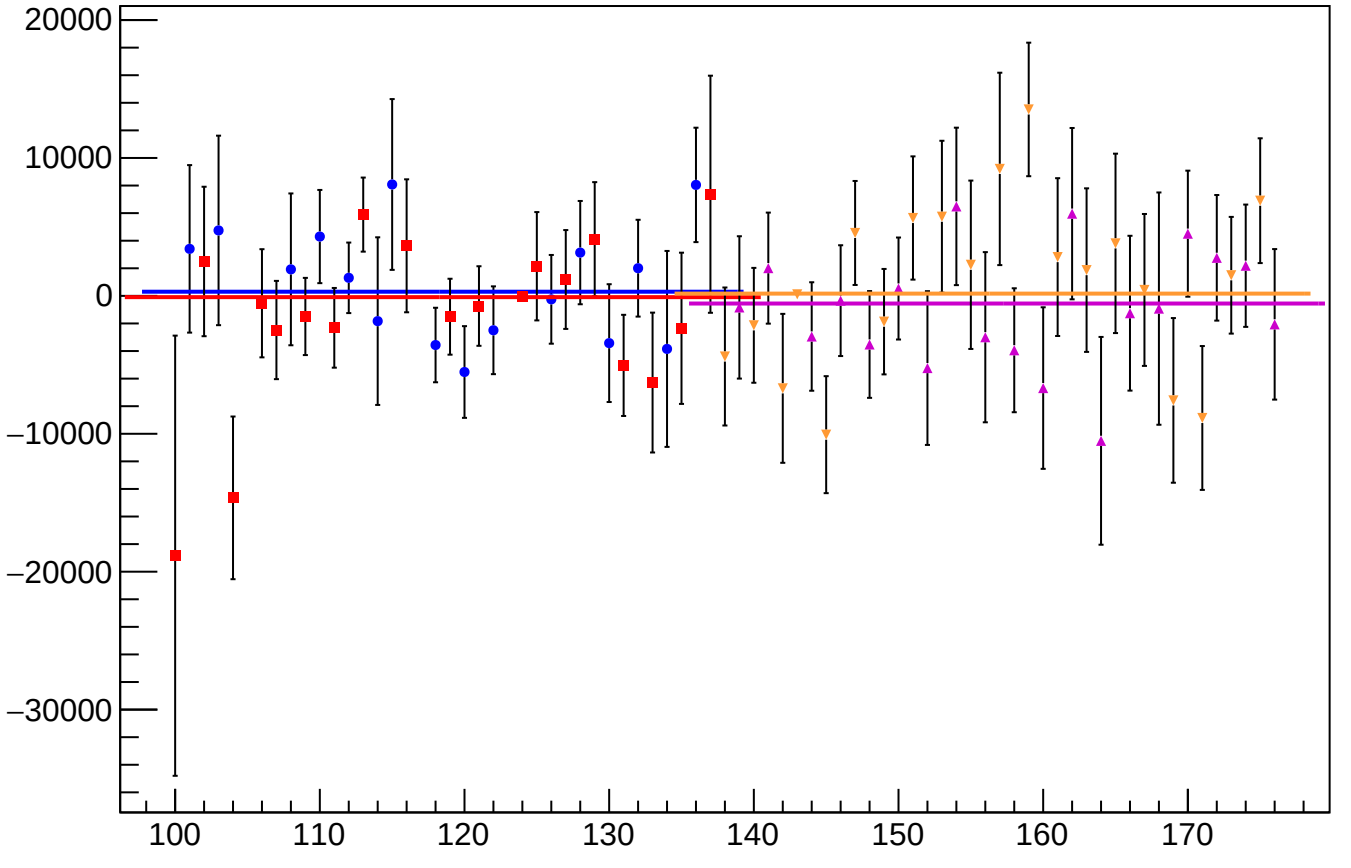
Left: 1731.355+/-0.219 χ^2/NDF: 437952.4/38

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.931+/-0.252 χ^2/NDF:225641.6/34

Out: 1727.905+/-0.255 χ^2/NDF:762393.1/38

All: 1713.259+/-0.179 χ^2/NDF: 994548.1/73



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -555.186+/-1115.646 χ^2/NDF:10.6/18

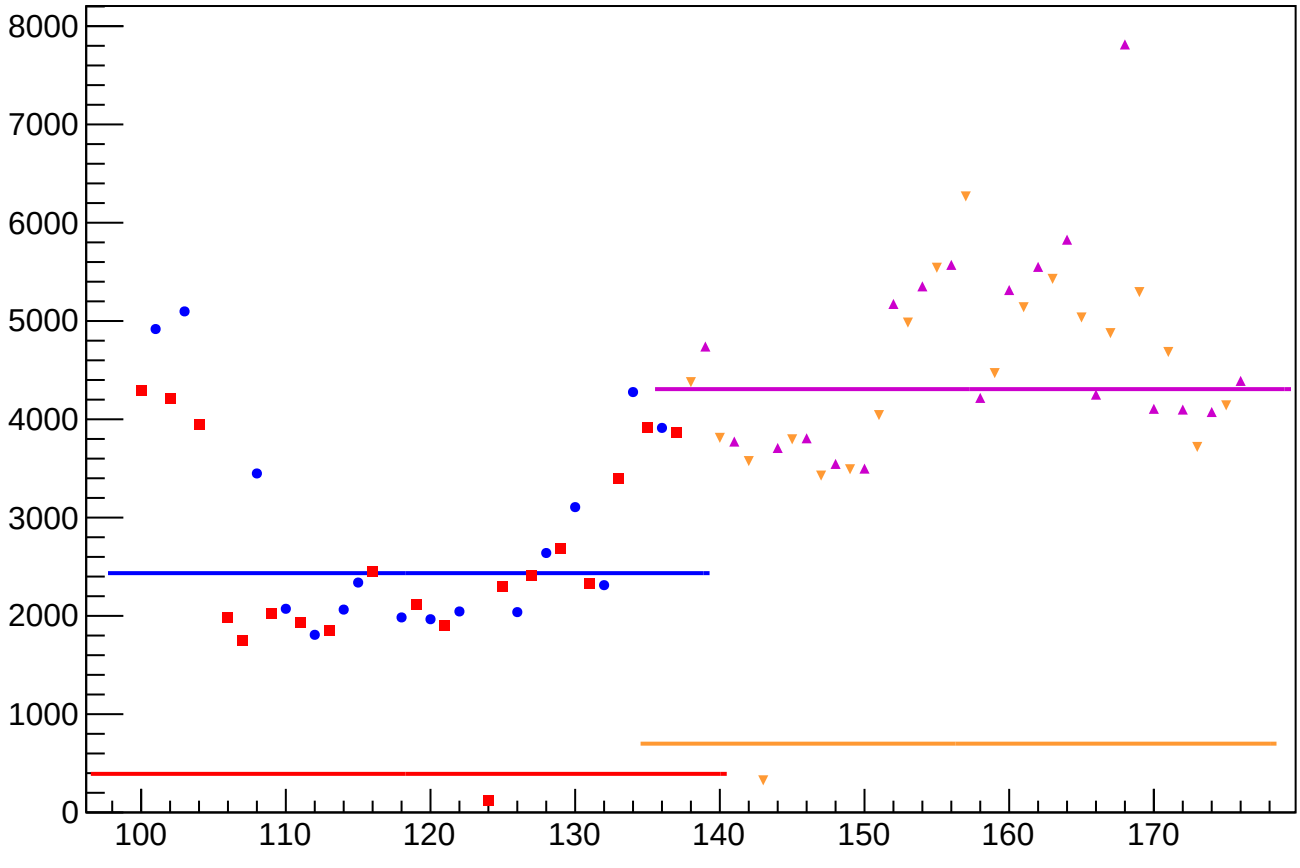
Left: 100.919+/-330.928 χ^2/NDF: 40.7/38

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -63.183+/-728.097 χ^2/NDF:26.3/34

Out: 24.099+/-233.395 χ^2/NDF:50.7/38

All: 15.966+/-222.255 χ^2/NDF: 77.0/73



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

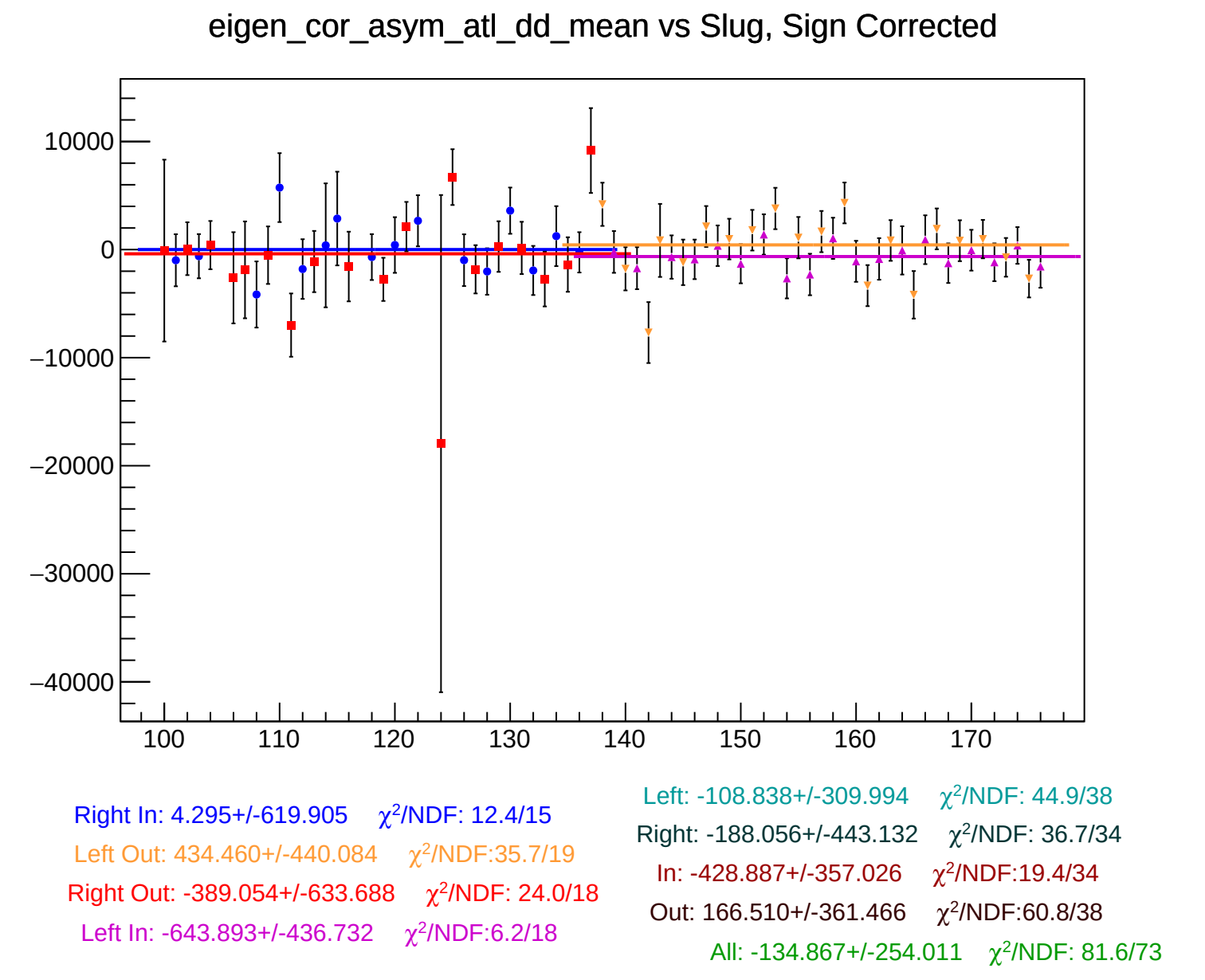
Left: 1017.290+/-0.234 χ^2/NDF: 43312473.4/38

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

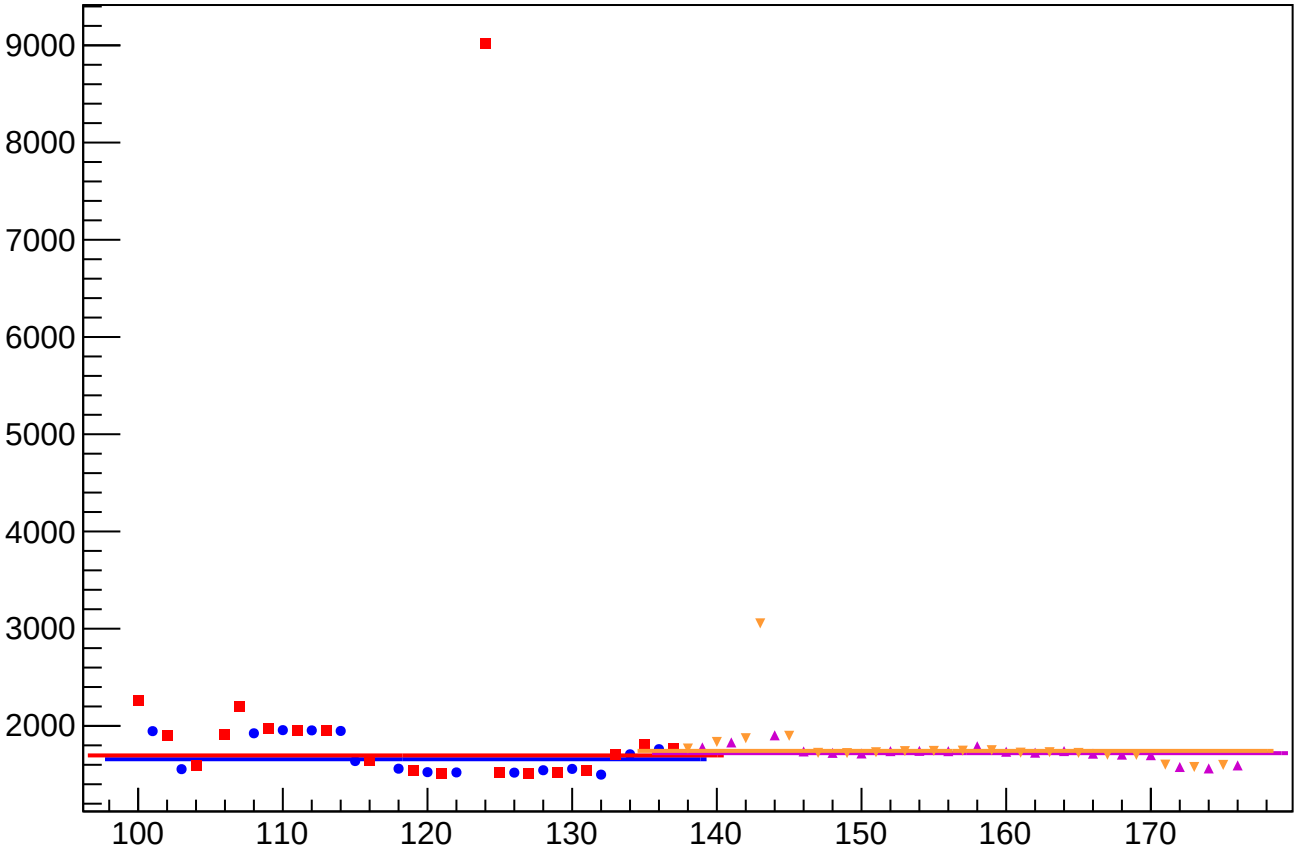
In: 3232.204+/-0.515 χ^2/NDF:5771236.2/34

Out: 532.046+/-0.165 χ^2/NDF:35429958.9/38

All: 783.648+/-0.157 χ^2/NDF: 66144344.3/73


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 434.460+/-440.084 χ²/NDF:35.7/19
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -643.893+/-436.732 χ²/NDF:6.2/18
Left: -108.838+/-309.994 χ²/NDF: 44.9/38
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -428.887+/-357.026 χ²/NDF:19.4/34
Out: 166.510+/-361.466 χ²/NDF:60.8/38
All: -134.867+/-254.011 χ²/NDF: 81.6/73

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1743.206+/-0.311 χ^2/NDF:367029.7/19

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

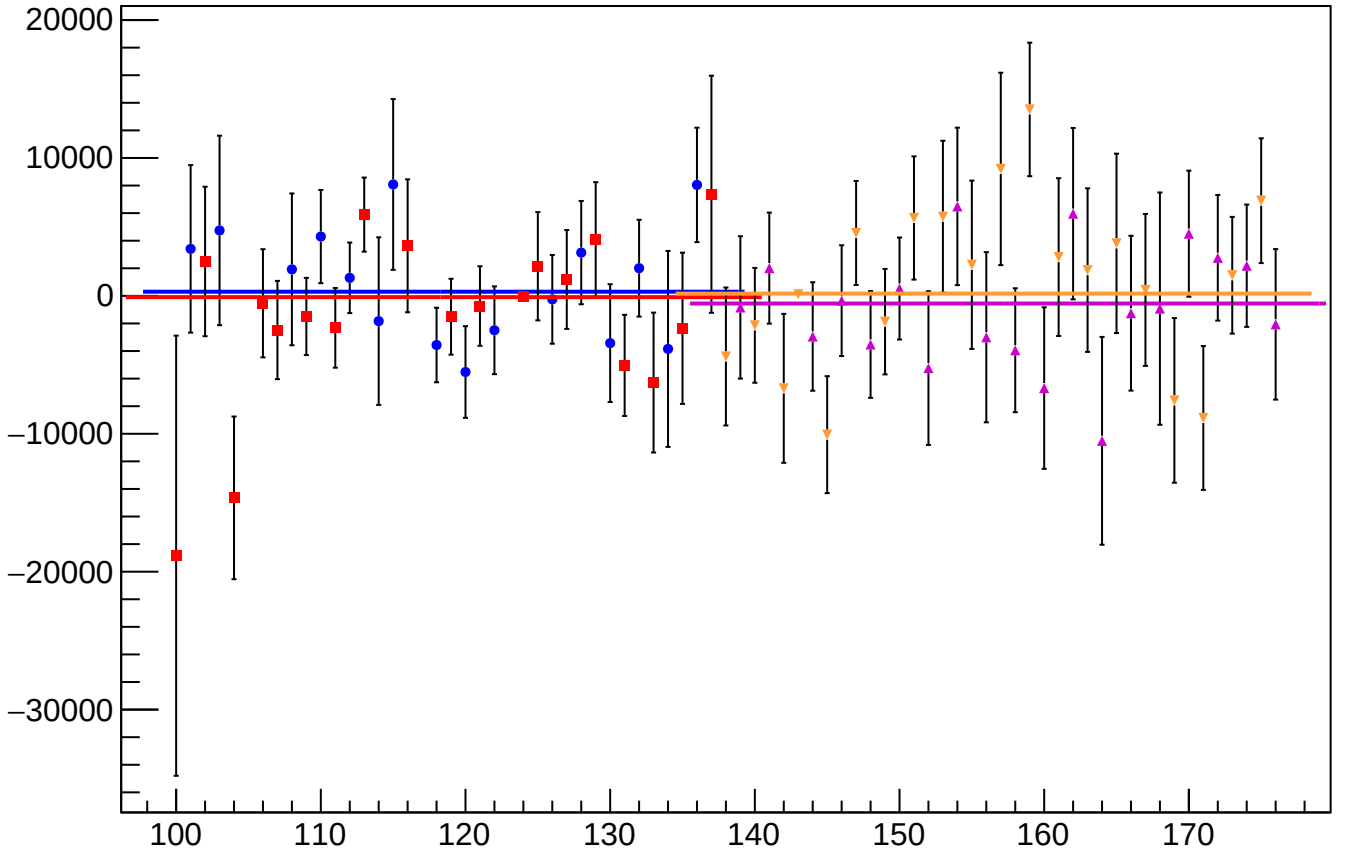
Left: 1731.355+/-0.219 χ^2/NDF: 437952.4/38

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.931+/-0.252 χ^2/NDF:225641.6/34

Out: 1727.905+/-0.255 χ^2/NDF:762393.1/38

All: 1713.259+/-0.179 χ^2/NDF: 994548.1/73



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.217+/-346.523 χ^2/NDF:29.8/19

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -555.186+/-1115.646 χ^2/NDF:10.6/18

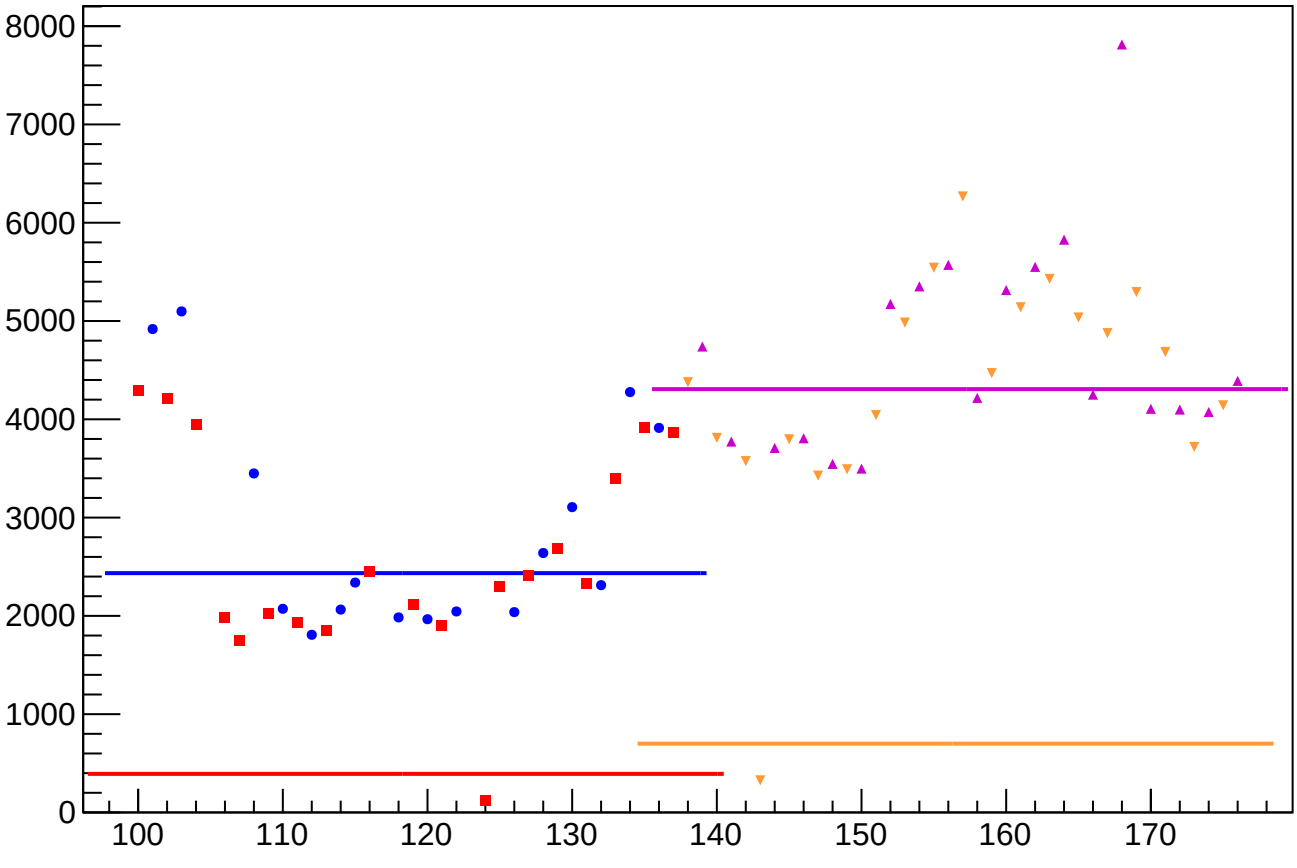
Left: 100.919+/-330.928 χ^2/NDF: 40.7/38

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -63.183+/-728.097 χ^2/NDF:26.3/34

Out: 24.099+/-233.395 χ^2/NDF:50.7/38

All: 15.966+/-222.255 χ^2/NDF: 77.0/73



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 699.912+/-0.245 χ^2/NDF:23162913.0/19

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

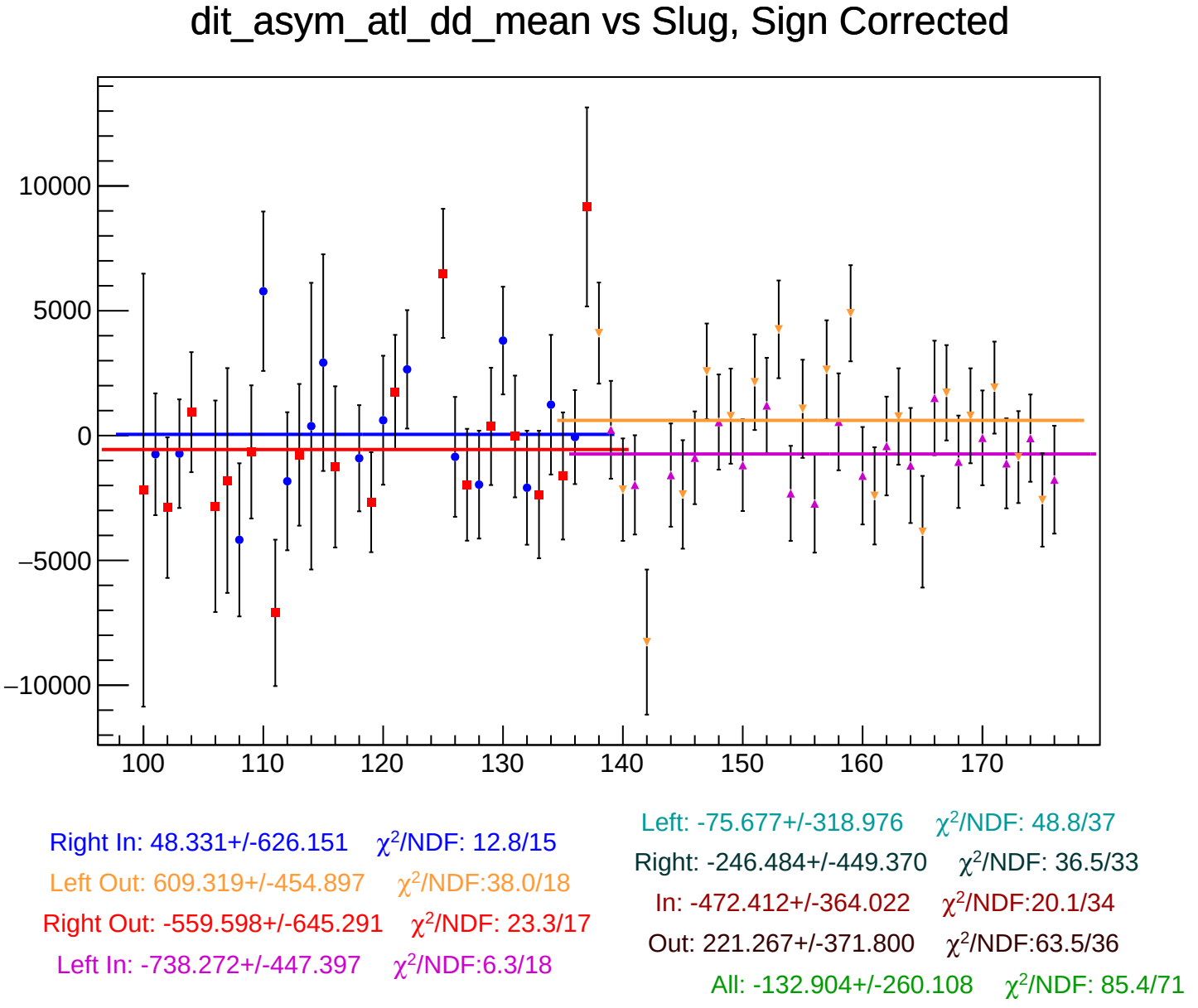
Left: 1017.290+/-0.234 χ^2/NDF: 43312473.4/38

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

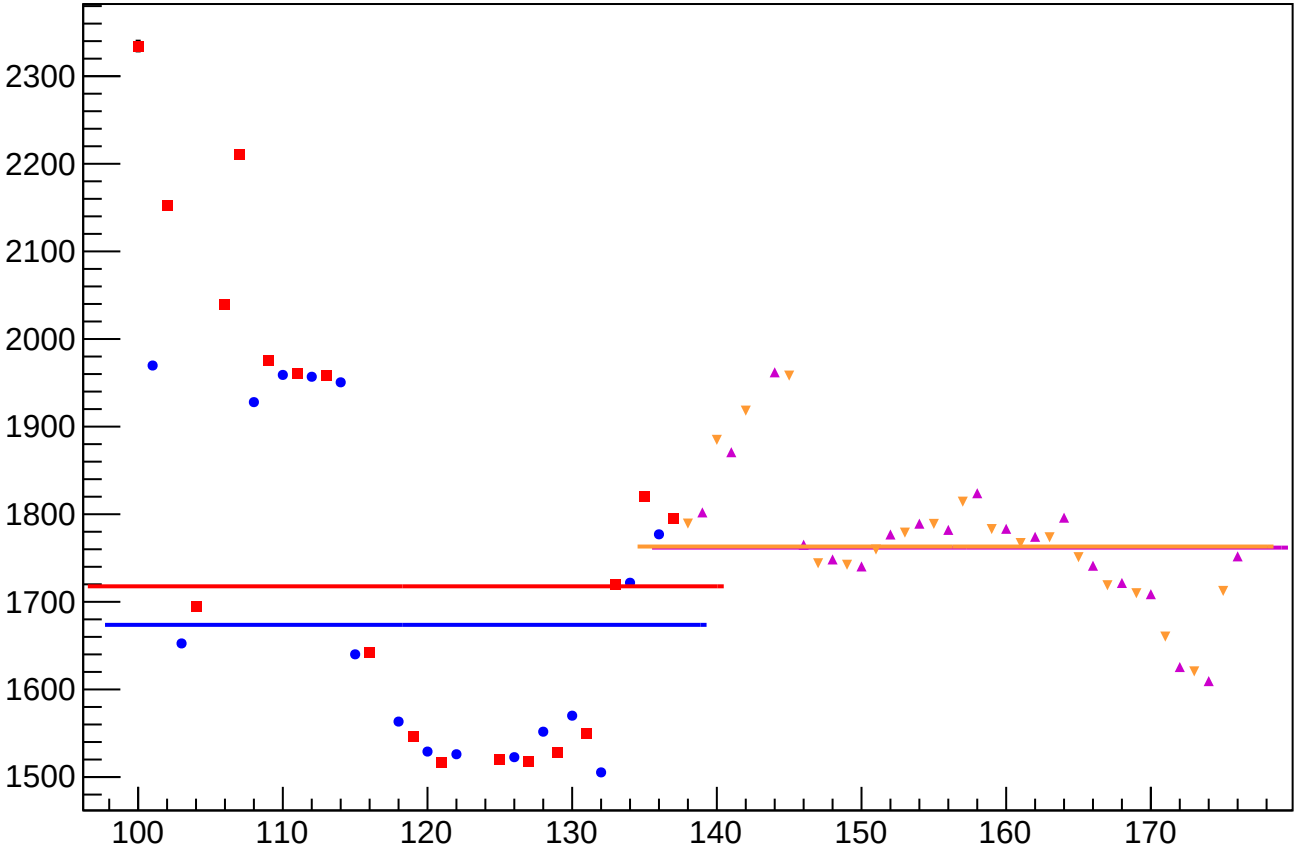
In: 3232.204+/-0.515 χ^2/NDF:5771236.2/34

Out: 532.046+/-0.165 χ^2/NDF:35429958.9/38

All: 783.648+/-0.157 χ^2/NDF: 66144344.3/73


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 609.319+/-454.897 χ²/NDF:38.0/18
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -738.272+/-447.397 χ²/NDF:6.3/18
Left: -75.677+/-318.976 χ²/NDF: 48.8/37
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -472.412+/-364.022 χ²/NDF:20.1/34
Out: 221.267+/-371.800 χ²/NDF:63.5/36
All: -132.904+/-260.108 χ²/NDF: 85.4/71

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54085.4/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1761.889+/-0.316 χ^2/NDF:58838.1/18

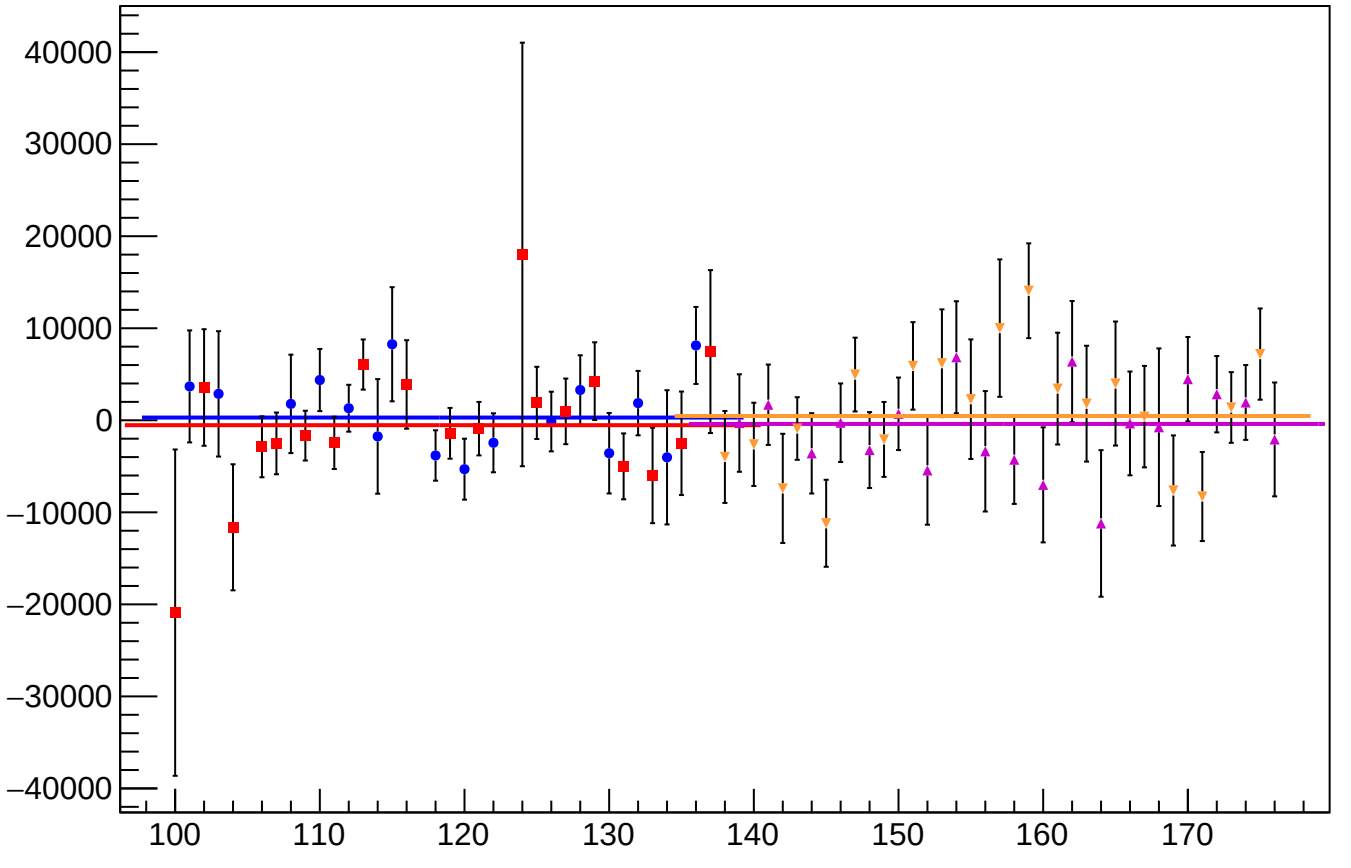
Left: 1762.499+/-0.226 χ^2/NDF: 112931.0/37

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1732.092+/-0.257 χ^2/NDF:225958.7/34

Out: 1748.005+/-0.263 χ^2/NDF:288365.7/36

All: 1739.887+/-0.184 χ^2/NDF: 516196.4/71



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 462.629+/-1110.883 χ^2/NDF:29.4/19

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -397.931+/-1160.224 χ^2/NDF:10.5/18

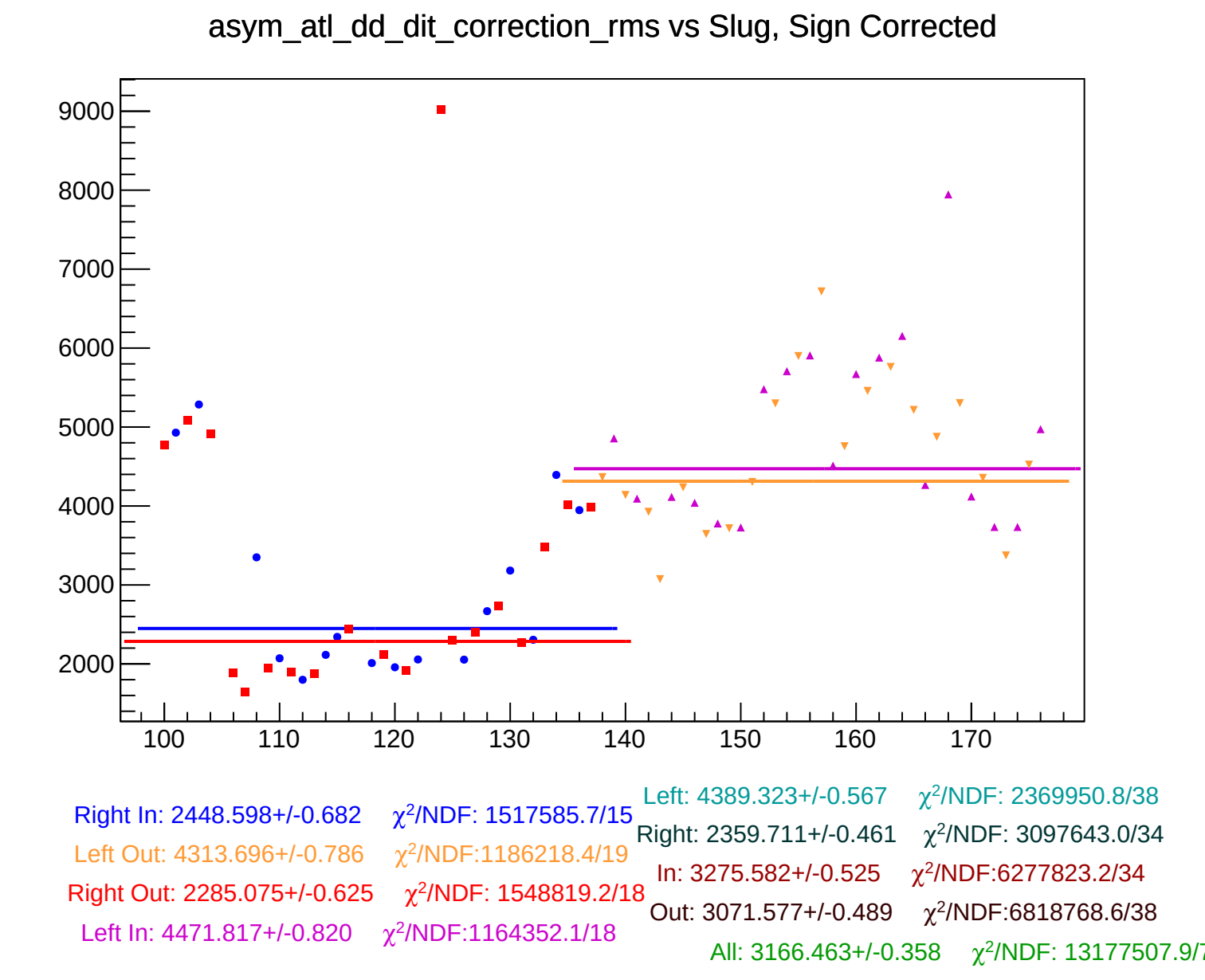
Left: 51.036+/-802.389 χ^2/NDF: 40.2/38

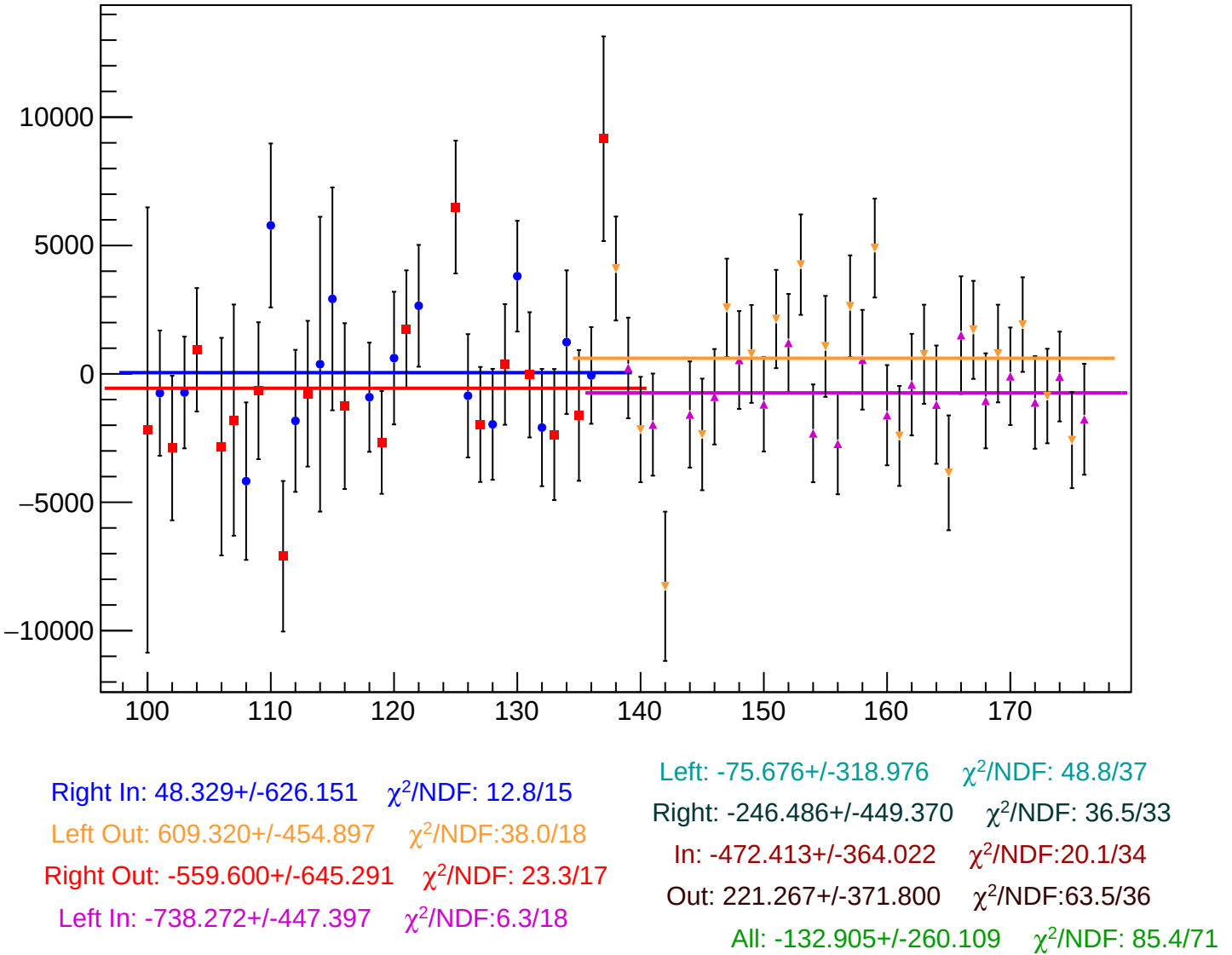
Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

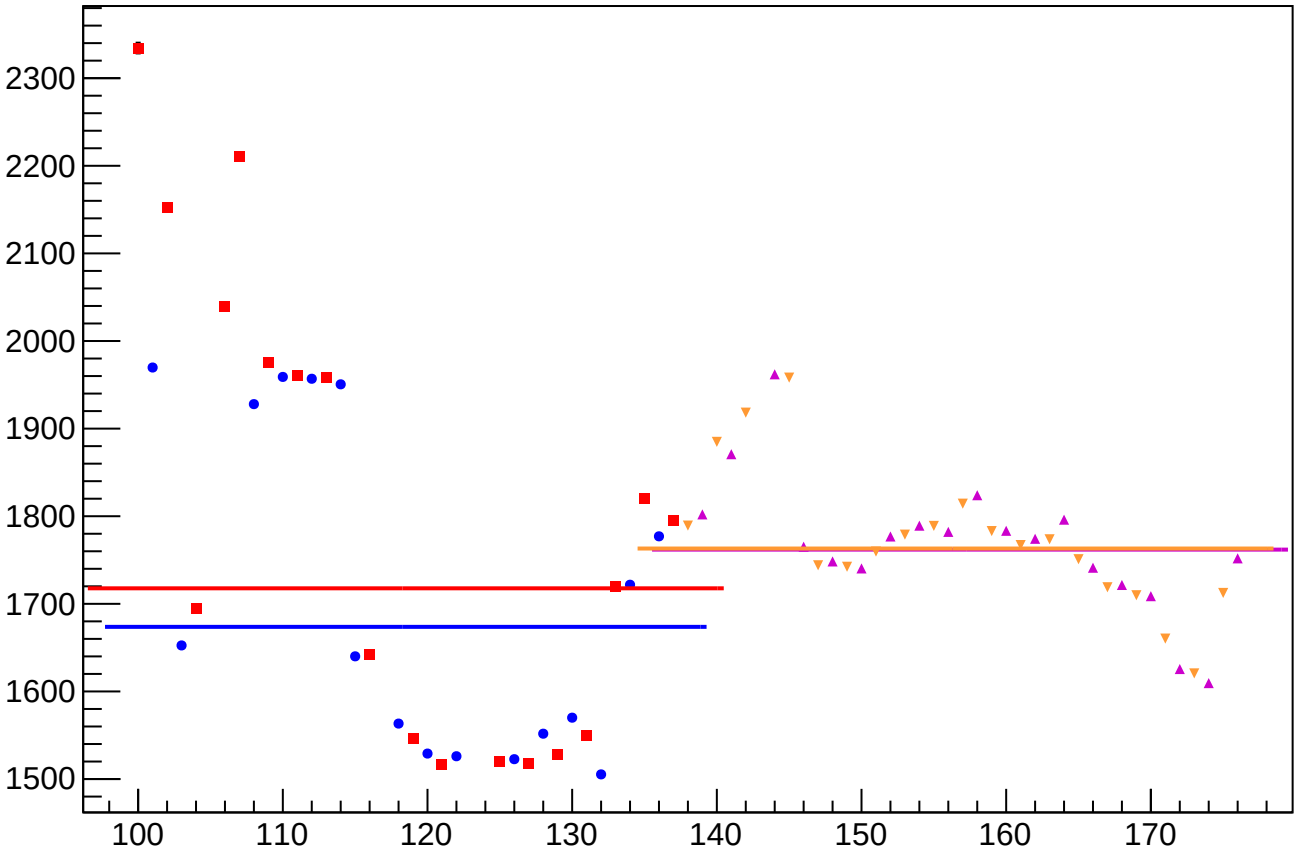
In: 12.664+/-741.769 χ^2/NDF:26.0/34

Out: -145.771+/-691.700 χ^2/NDF:48.7/38

All: -72.081+/-505.881 χ^2/NDF: 74.7/73


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: 4313.696+/-0.786 χ²/NDF:1186218.4/19
Right Out: 2285.075+/-0.625 χ²/NDF: 1548819.2/18
Left In: 4471.817+/-0.820 χ²/NDF:1164352.1/18
Left: 4389.323+/-0.567 χ²/NDF: 2369950.8/38
Right: 2359.711+/-0.461 χ²/NDF: 3097643.0/34
In: 3275.582+/-0.525 χ²/NDF:6277823.2/34
Out: 3071.577+/-0.489 χ²/NDF:6818768.6/38
All: 3166.463+/-0.358 χ²/NDF: 13177507.9/7


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 609.320+/-454.897 χ²/NDF:38.0/18
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -738.272+/-447.397 χ²/NDF:6.3/18
Left: -75.676+/-318.976 χ²/NDF: 48.8/37
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -472.413+/-364.022 χ²/NDF:20.1/34
Out: 221.267+/-371.800 χ²/NDF:63.5/36
All: -132.905+/-260.109 χ²/NDF: 85.4/71



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1763.129+/-0.322 χ^2/NDF:54087.2/18

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1761.890+/-0.316 χ^2/NDF:58839.8/18

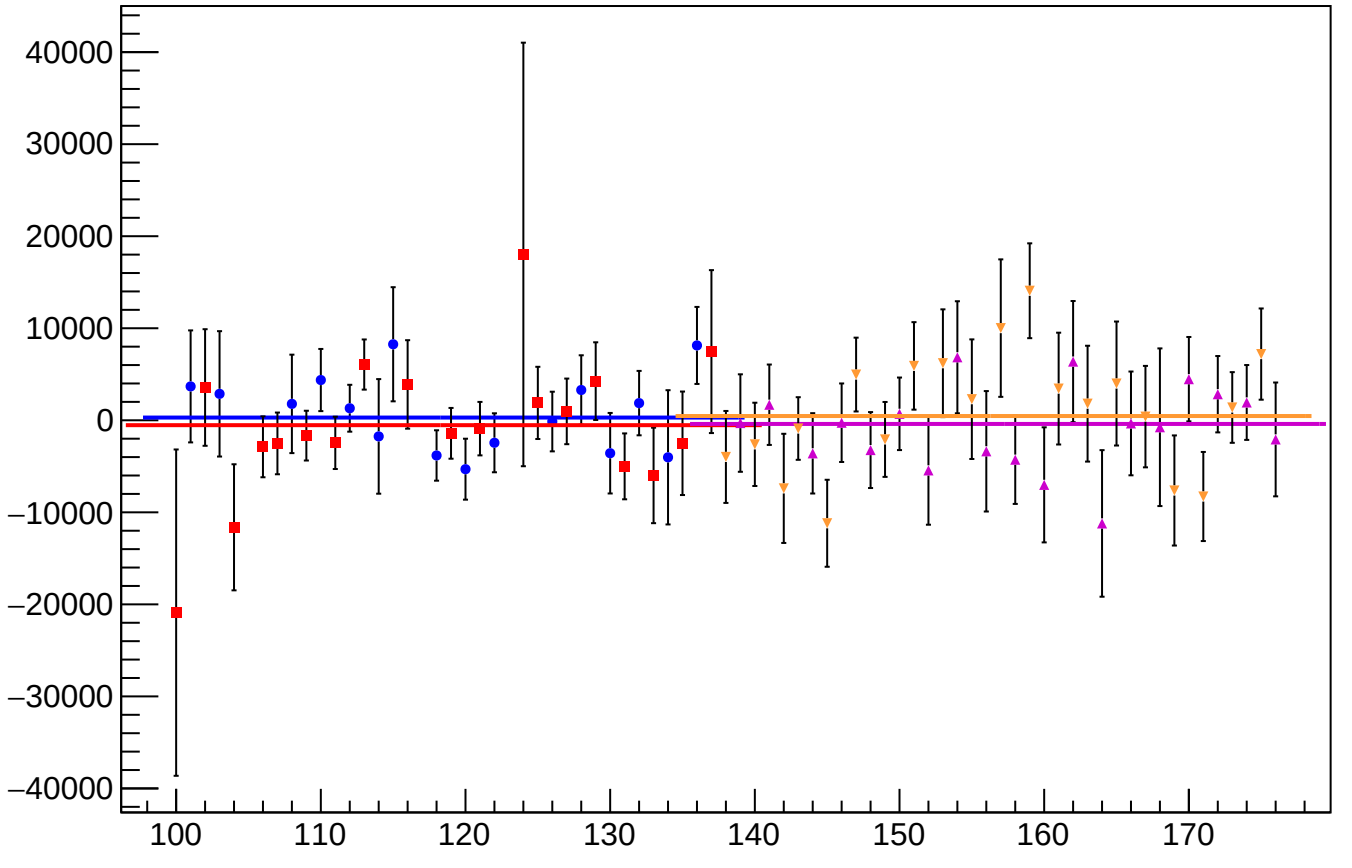
Left: 1762.499+/-0.226 χ^2/NDF: 112934.6/37

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1732.092+/-0.257 χ^2/NDF:225960.9/34

Out: 1748.005+/-0.263 χ^2/NDF:288367.0/36

All: 1739.887+/-0.184 χ^2/NDF: 516199.9/71



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 462.633+/-1110.885 χ^2/NDF:29.4/19

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -397.931+/-1160.225 χ^2/NDF:10.5/18

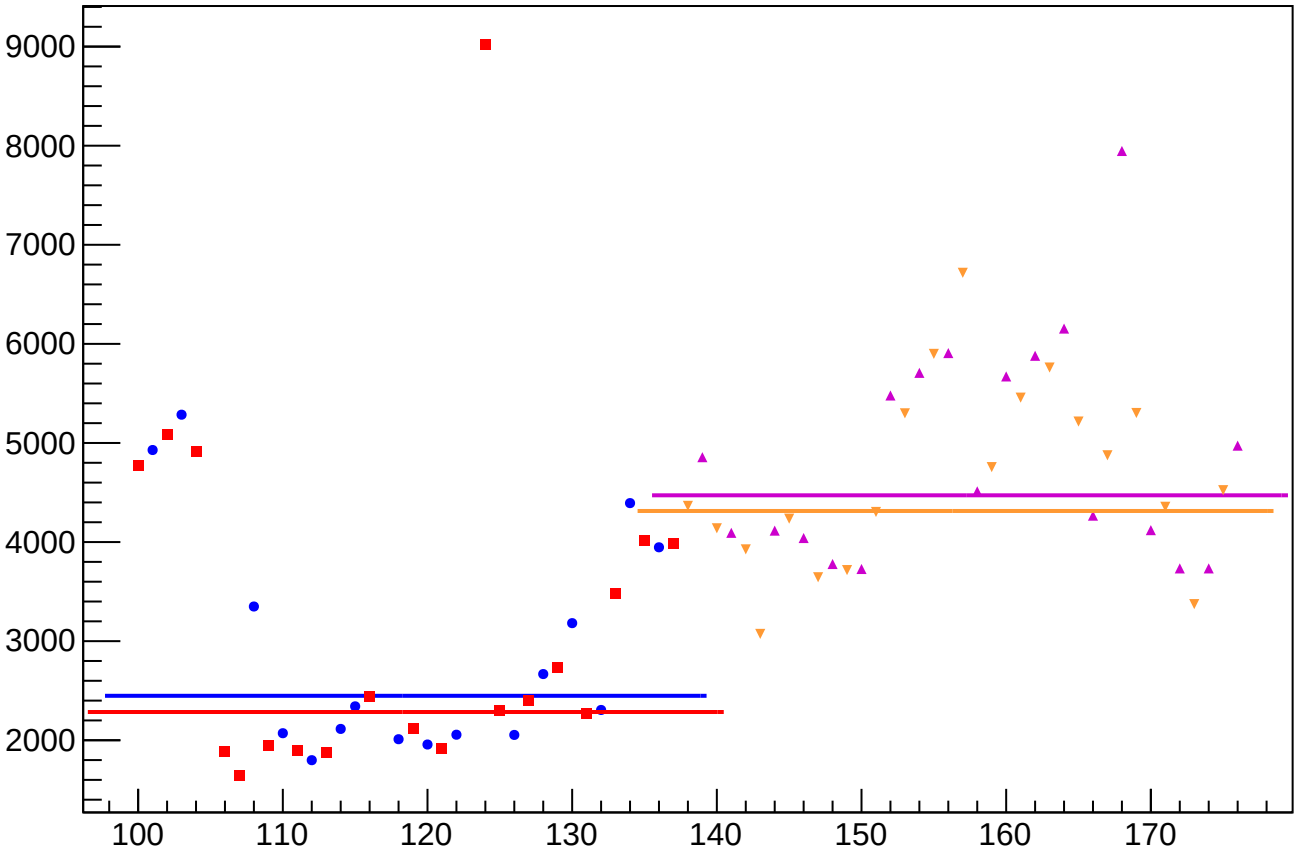
Left: 51.038+/-802.390 χ^2/NDF: 40.2/38

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 12.662+/-741.768 χ^2/NDF:26.0/34

Out: -145.773+/-691.699 χ^2/NDF:48.7/38

All: -72.083+/-505.880 χ^2/NDF: 74.7/73



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4313.702+/-0.786 χ^2/NDF:1186219.9/19

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4471.824+/-0.820 χ^2/NDF:1164352.3/18

Left: 4389.329+/-0.567 χ^2/NDF: 2369952.5/38

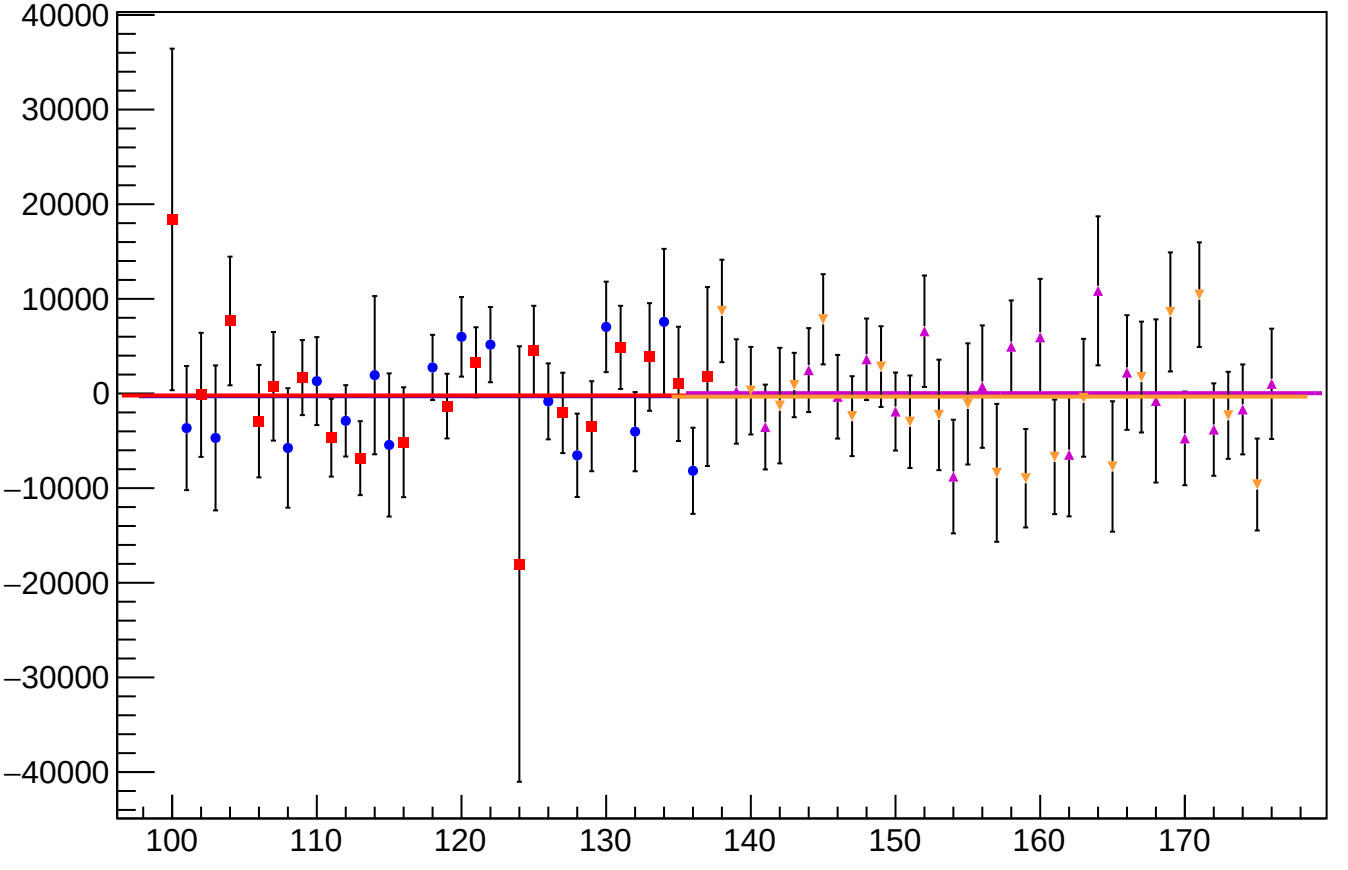
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3275.573+/-0.525 χ^2/NDF:6277904.2/34

Out: 3071.570+/-0.489 χ^2/NDF:6818843.2/38

All: 3166.454+/-0.358 χ^2/NDF: 13177662.6/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -329.655+/-1153.474 χ^2/NDF:23.1/19

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 33.376+/-1209.946 χ^2/NDF:11.9/18

Left: -156.809+/-834.880 χ^2/NDF: 35.1/38

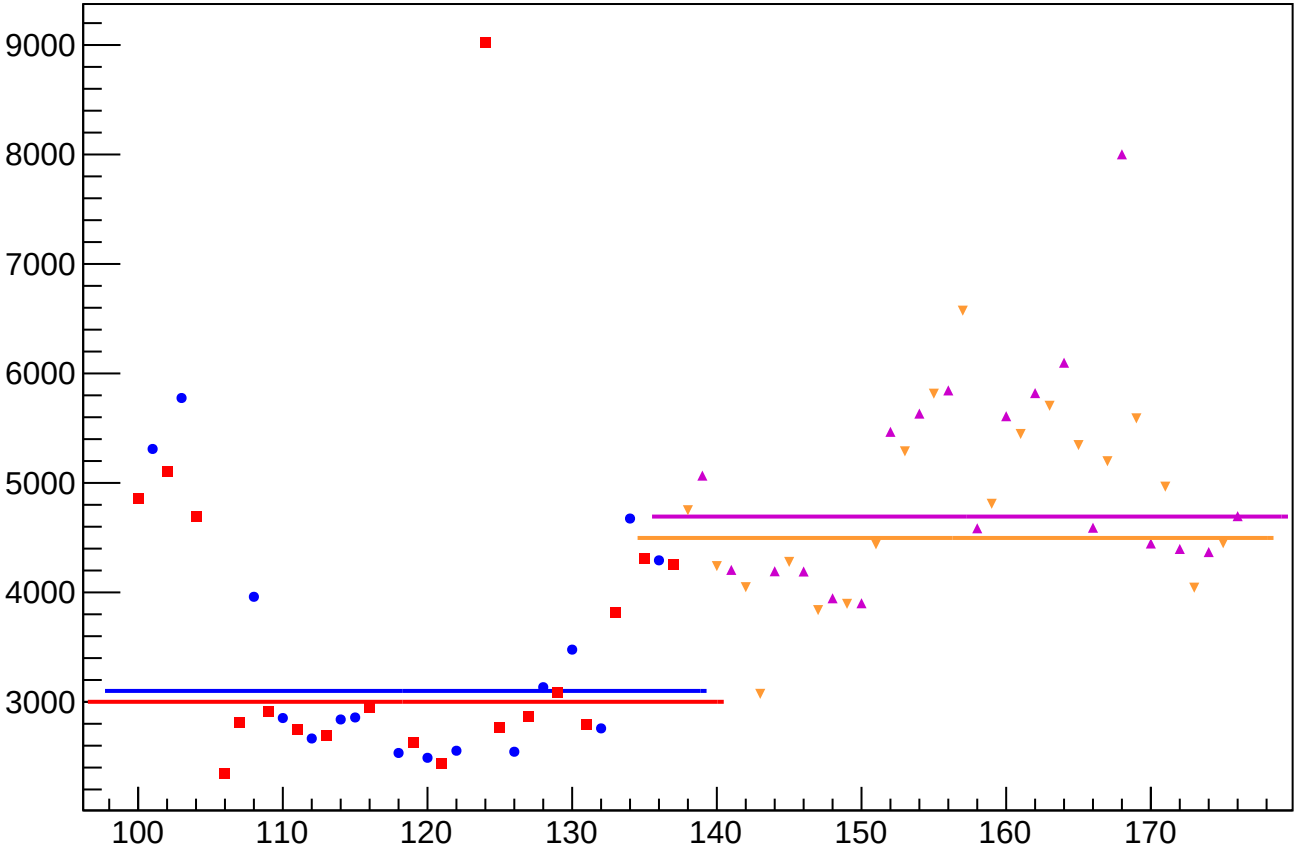
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -128.629+/-851.069 χ^2/NDF:28.5/34

Out: -269.578+/-815.724 χ^2/NDF:36.0/38

All: -202.091+/-588.903 χ^2/NDF: 64.5/73

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4497.381+/-0.816 χ^2/NDF:1033854.0/19

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.710+/-0.856 χ^2/NDF:850407.7/18

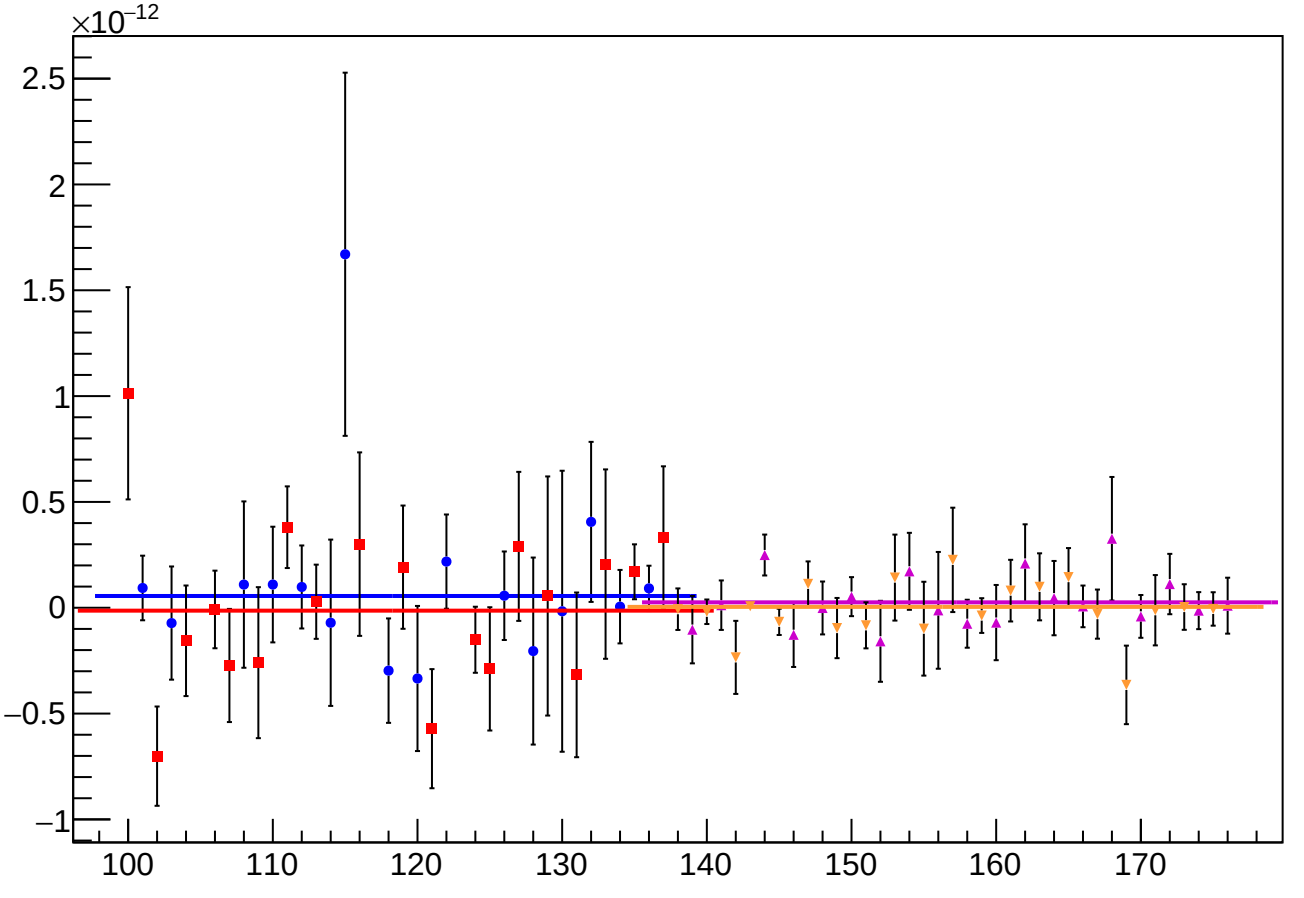
Left: 4590.381+/-0.590 χ^2/NDF: 1911568.3/38

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3888.081+/-0.602 χ^2/NDF:3564705.9/34

Out: 3739.069+/-0.573 χ^2/NDF:3546444.3/38

All: 3809.909+/-0.415 χ^2/NDF: 7143314.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/18

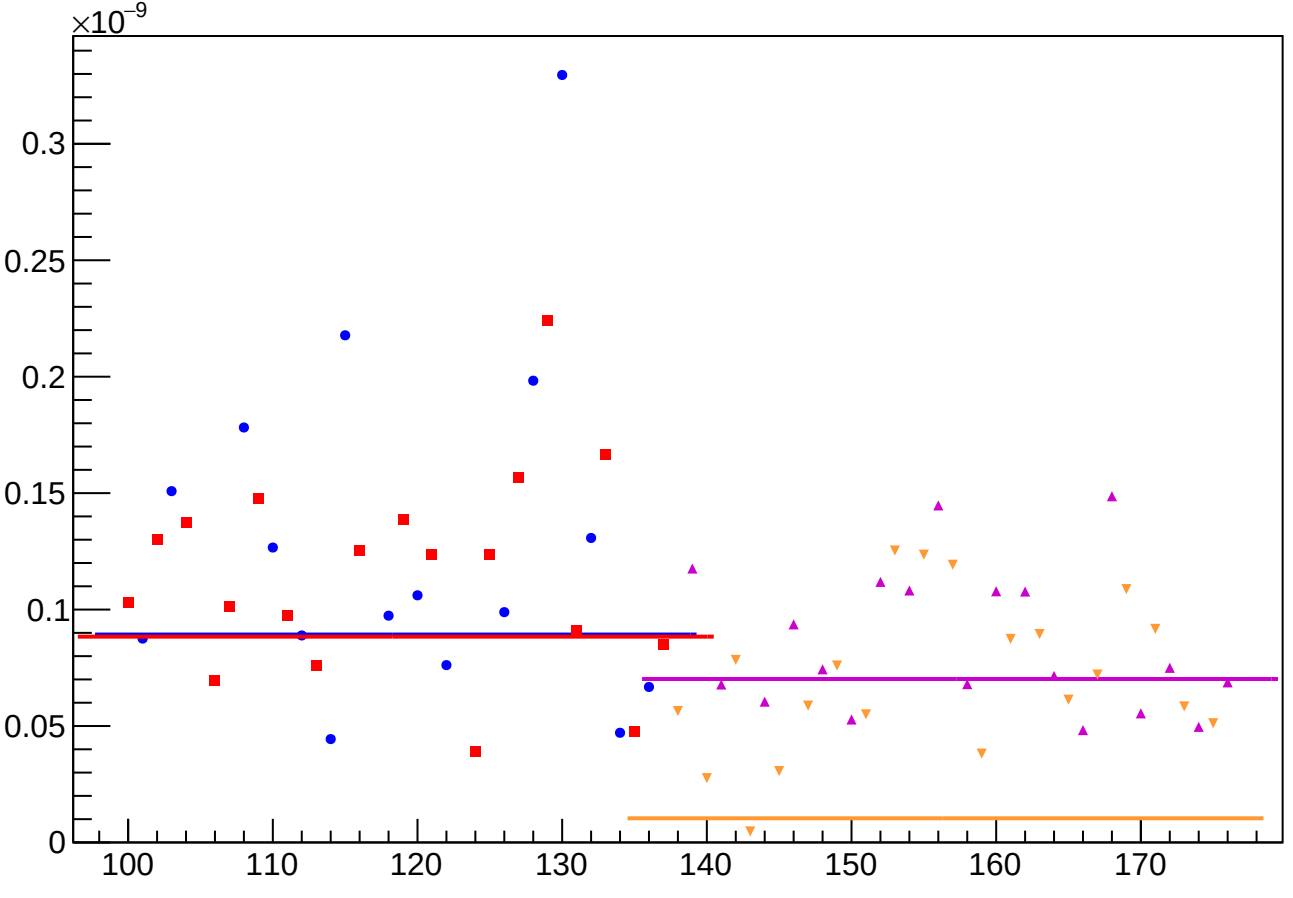
Left: 0.000+/-0.000 χ^2/NDF: 26.6/38

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:22.5/34

Out: 0.000+/-0.000 χ^2/NDF:43.3/38

All: 0.000+/-0.000 χ^2/NDF: 66.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8769452.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1220099.0/18

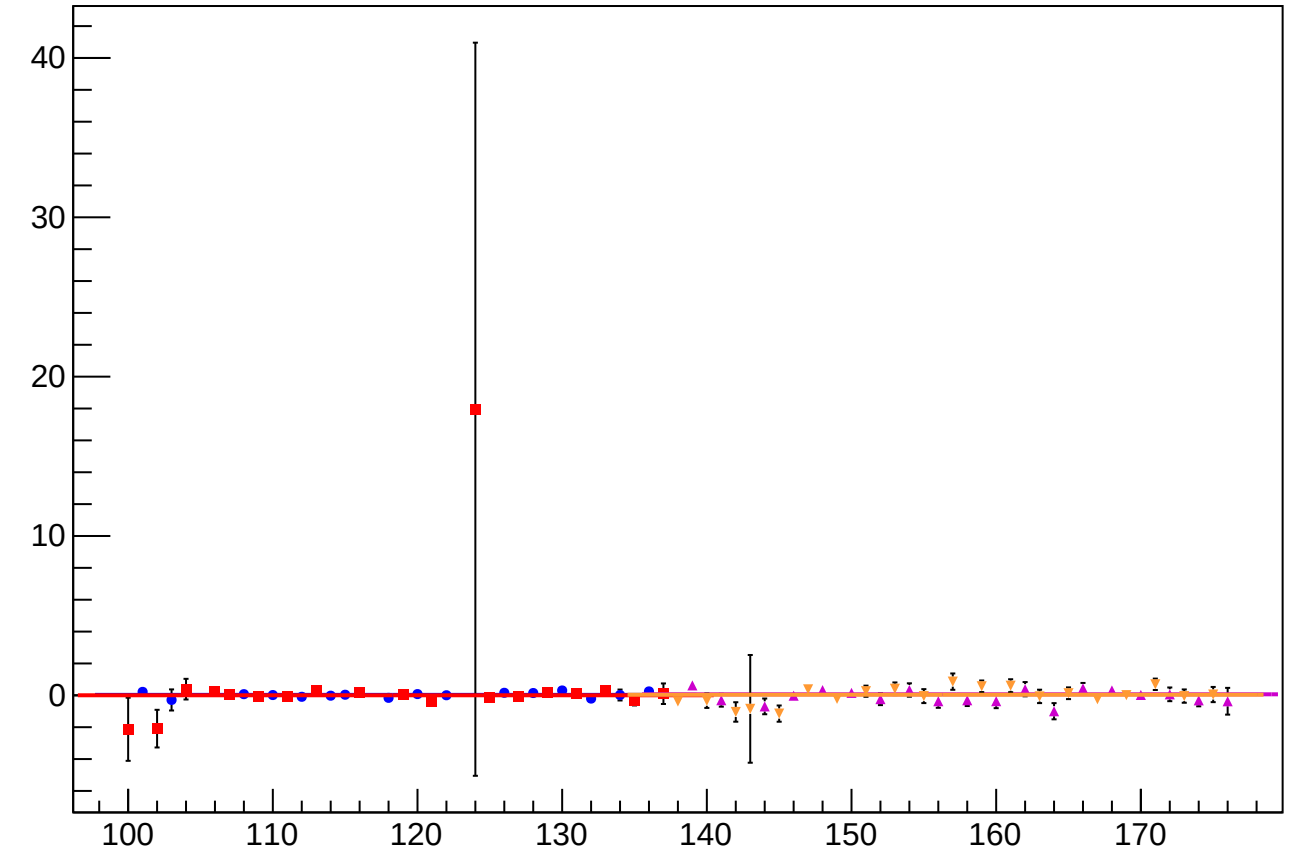
Left: 0.000+/-0.000 χ^2/NDF: 17516553.3/38

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2348621.8/34

Out: 0.000+/-0.000 χ^2/NDF:13609336.5/38

All: 0.000+/-0.000 χ^2/NDF: 26157010.4/73



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.051+/-0.055 χ^2/NDF: 48.8/38

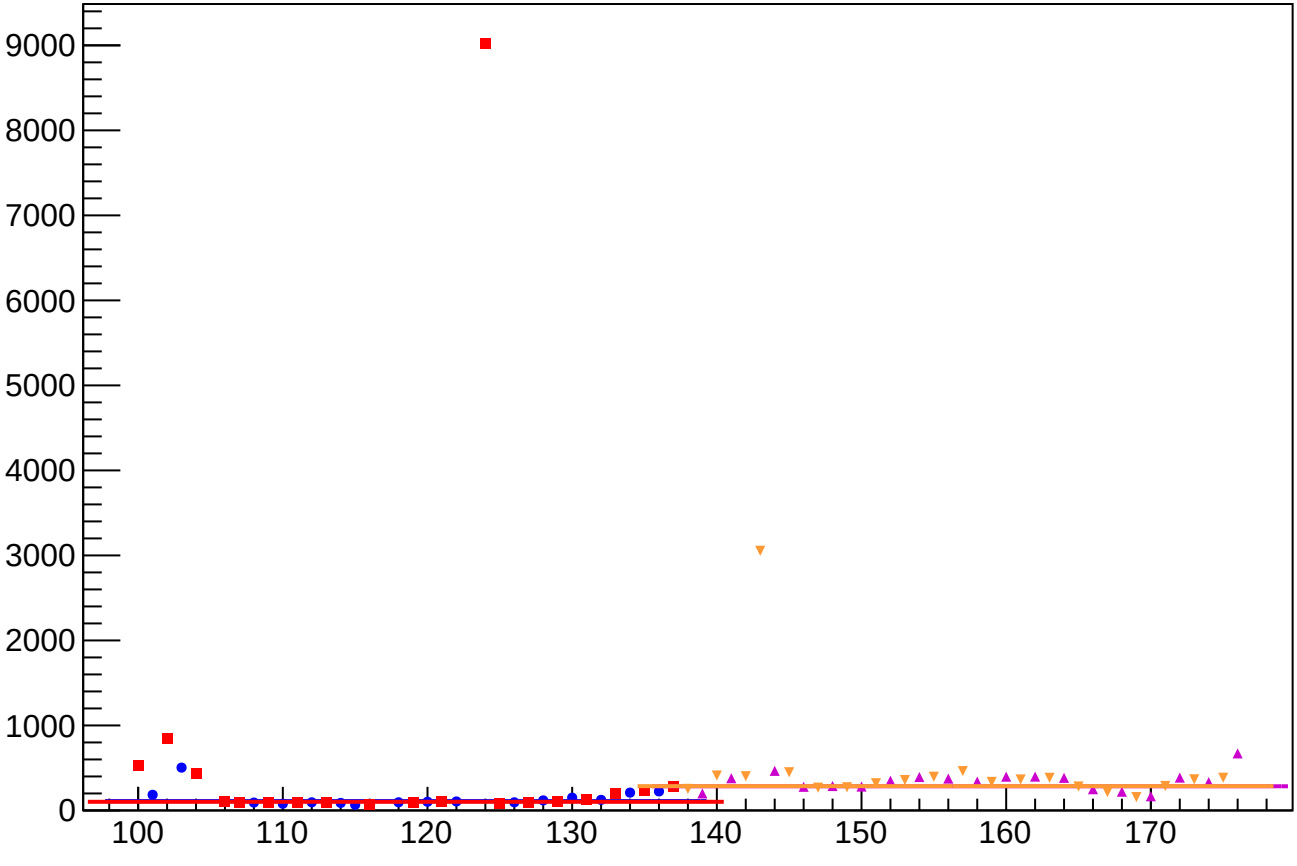
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.6/73

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 285.958+/-0.055 χ^2/NDF:3881924.1/19

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

Left: 285.190+/-0.039 χ^2/NDF: 6706385.5/38

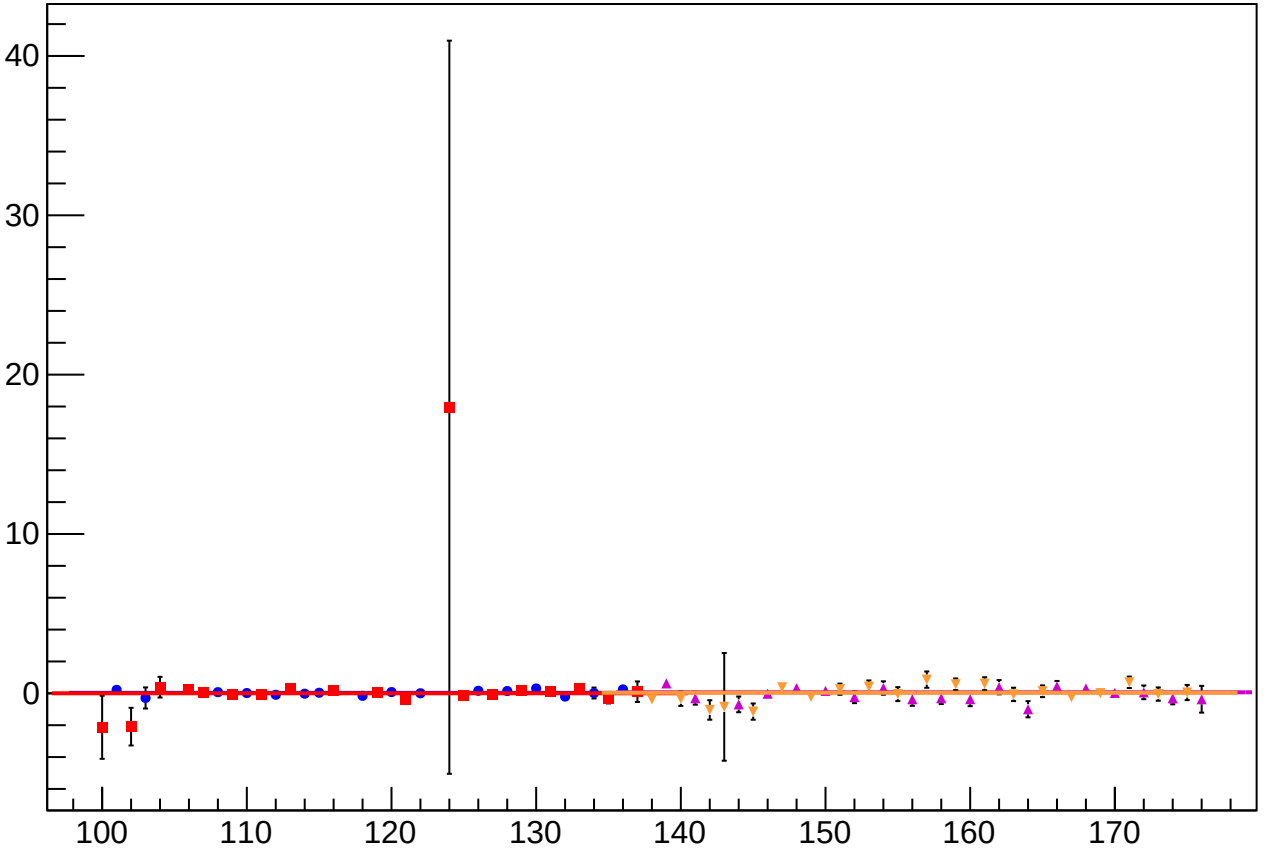
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 154.945+/-0.028 χ^2/NDF:12398603.4/34

Out: 145.089+/-0.027 χ^2/NDF:14935162.1/38

All: 149.877+/-0.019 χ^2/NDF: 27399351.8/73

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: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.051+/-0.055 χ^2/NDF: 48.8/38

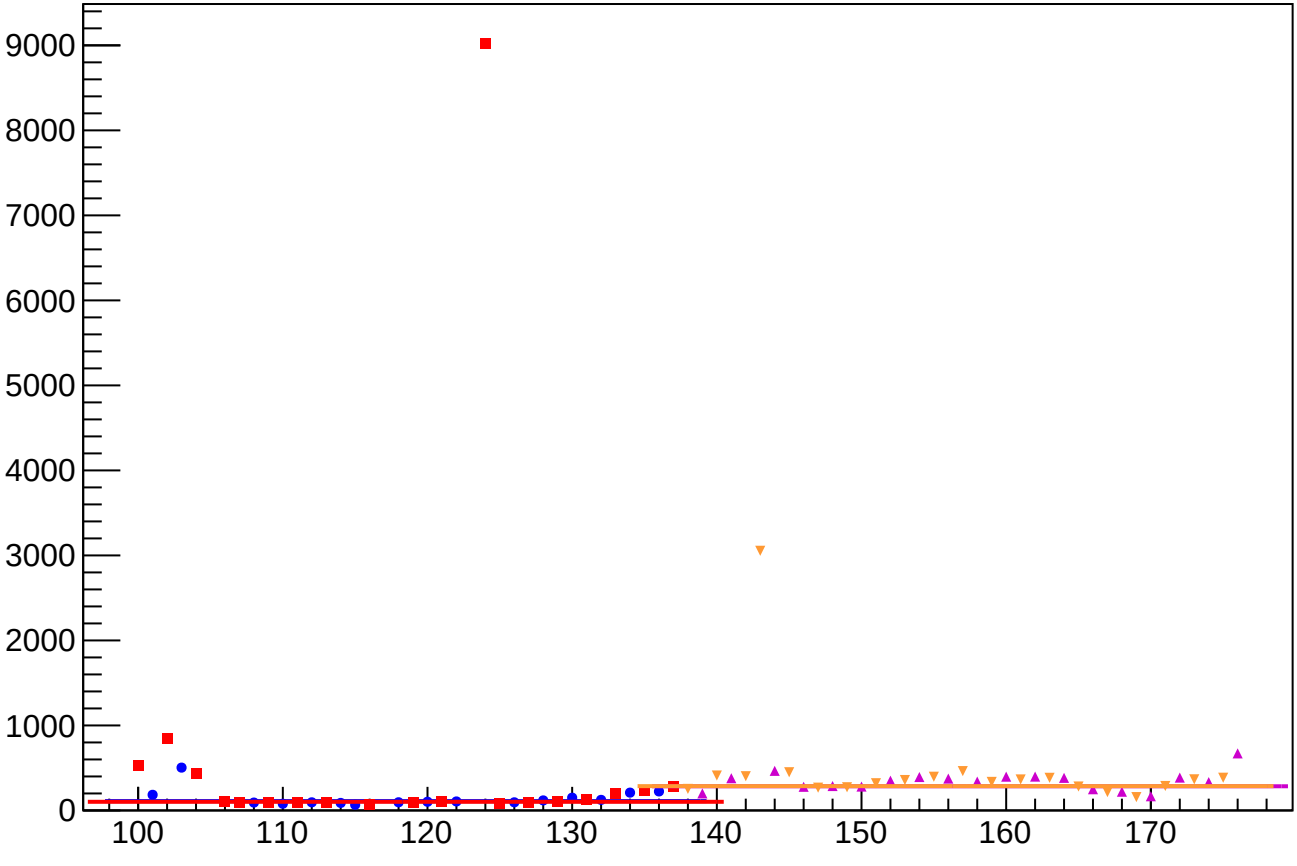
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.6/73

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: 285.958+/-0.055 χ^2/NDF:3881924.1/19

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

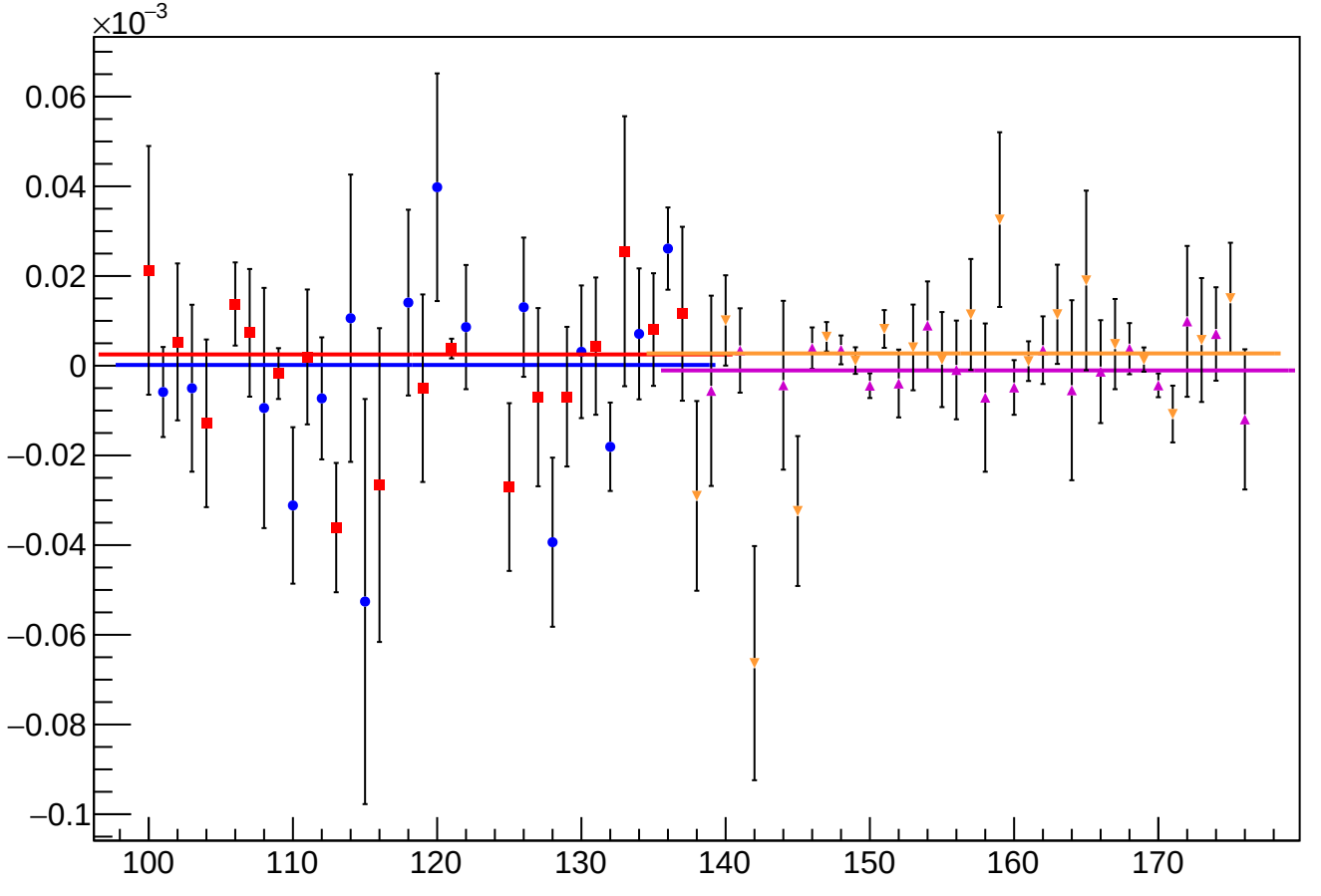
Left: 285.190+/-0.039 χ^2/NDF: 6706385.5/38

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 154.945+/-0.028 χ^2/NDF:12398603.4/34

Out: 145.089+/-0.027 χ^2/NDF:14935162.1/38

All: 149.877+/-0.019 χ^2/NDF: 27399351.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

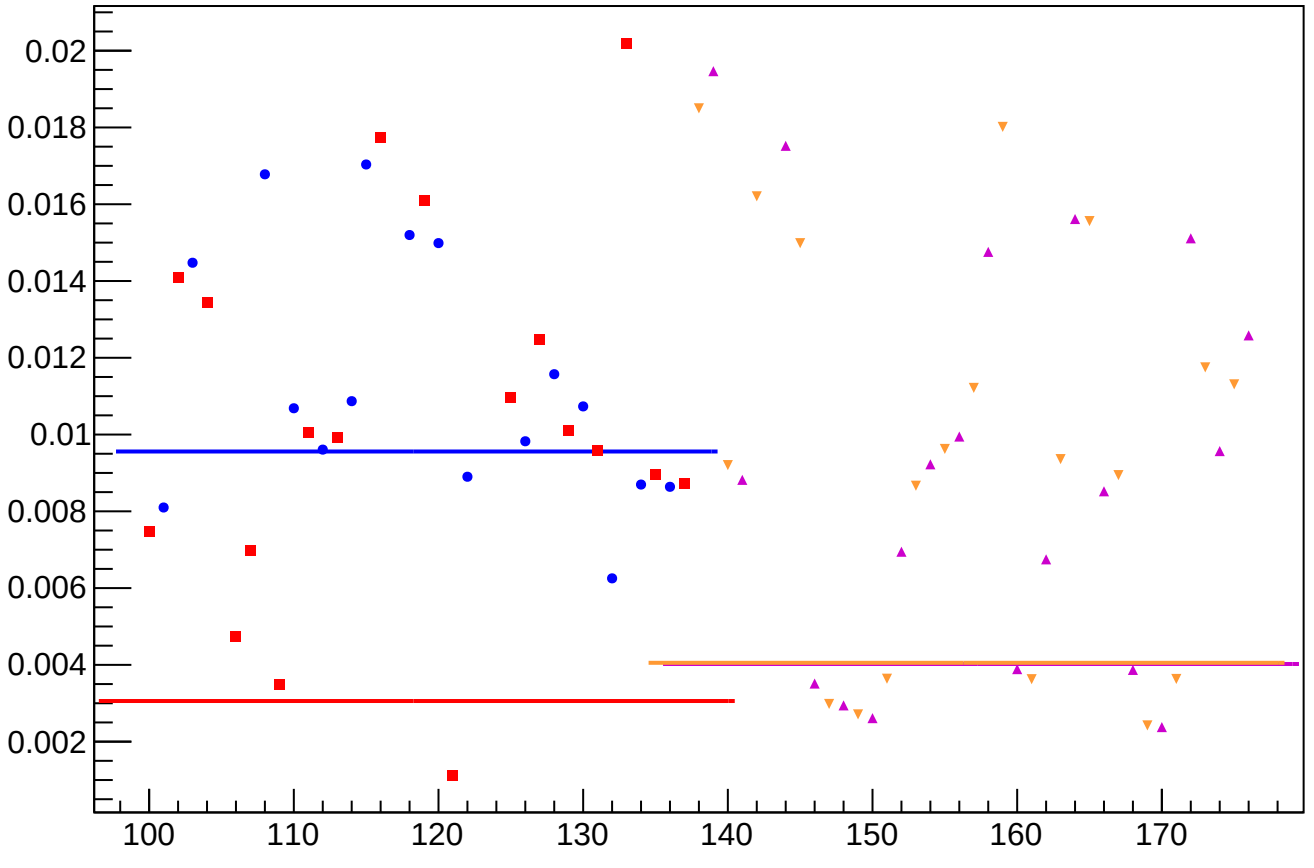
Left: 0.000+/-0.000 χ^2/NDF: 42.7/37

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:36.6/34

Out: 0.000+/-0.000 χ^2/NDF:43.5/36

All: 0.000+/-0.000 χ^2/NDF: 84.8/71



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:9764831.2/18

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:9709669.1/18

Left: 0.004+/-0.000 χ^2/NDF: 19475051.2/37

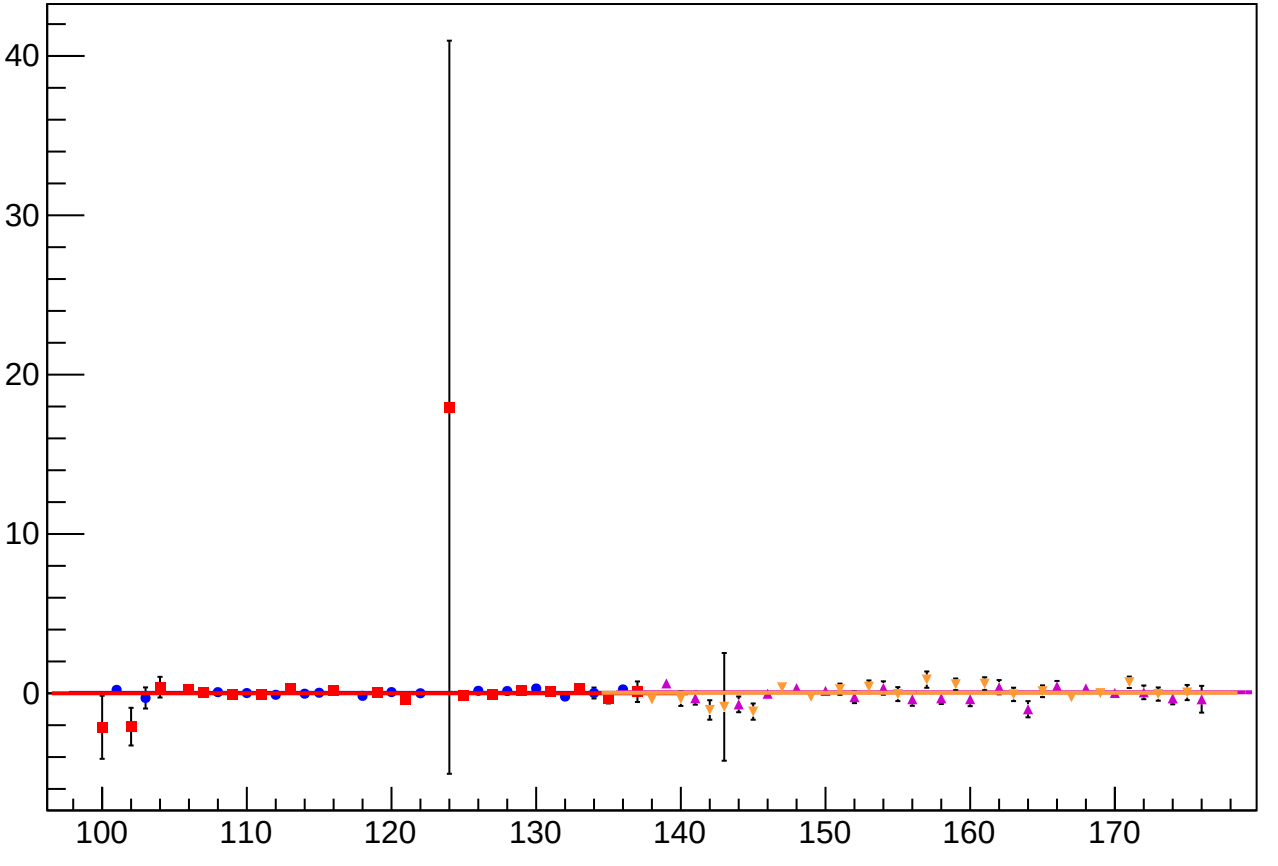
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:14551794.1/34

Out: 0.004+/-0.000 χ^2/NDF:18272365.2/36

All: 0.004+/-0.000 χ^2/NDF: 33463523.7/71

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: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

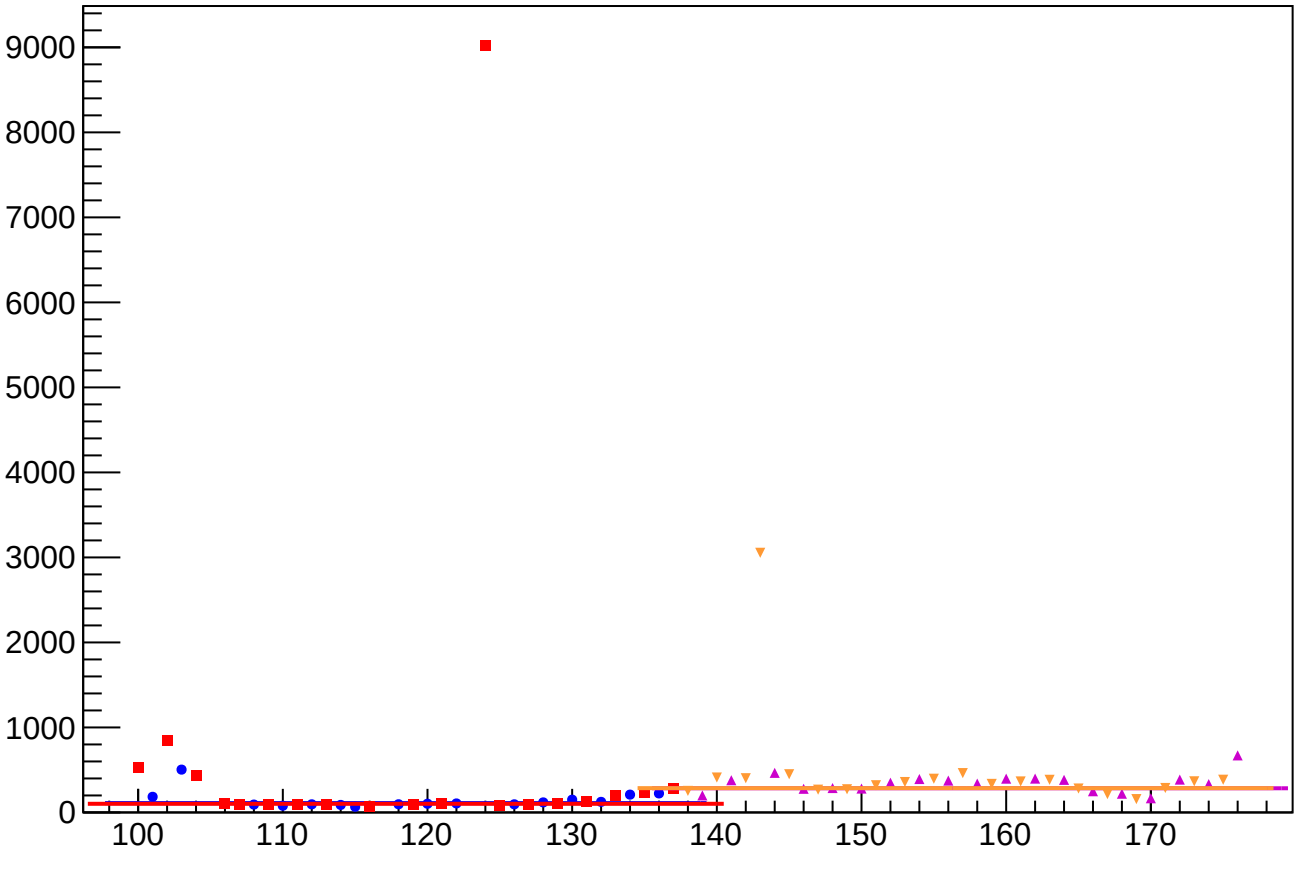
Left: 0.051+/-0.055 χ^2/NDF: 48.8/38

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.6/73



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 285.959+/-0.055 χ^2/NDF:3881965.6/19

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

Left: 285.192+/-0.039 χ^2/NDF: 6706380.5/38

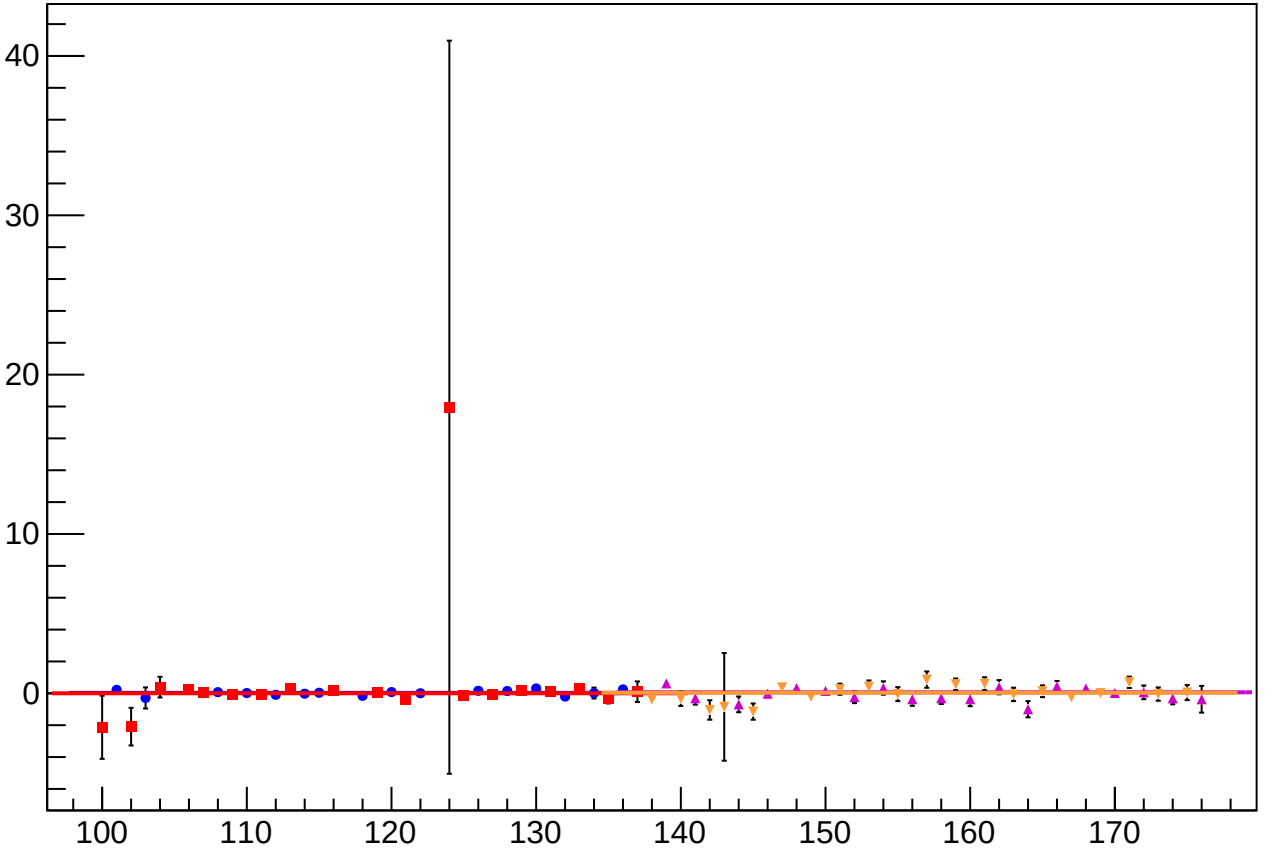
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 154.947+/-0.028 χ^2/NDF:12398540.3/34

Out: 145.090+/-0.027 χ^2/NDF:14935035.3/38

All: 149.879+/-0.019 χ^2/NDF: 27399156.6/73

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: 0.038+/-0.078 χ^2/NDF:26.3/19

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.051+/-0.055 χ^2/NDF: 48.8/38

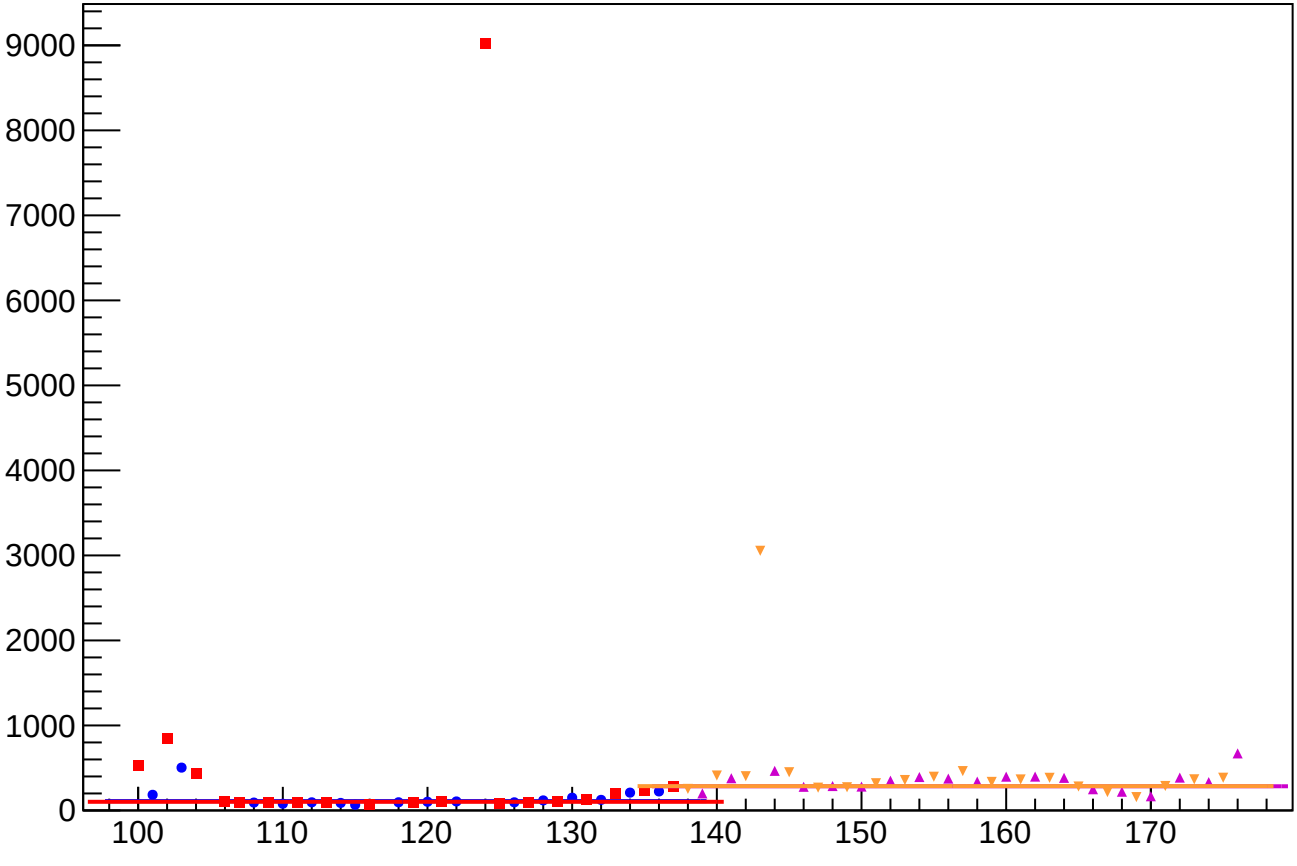
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.011+/-0.038 χ^2/NDF:48.8/38

All: 0.024+/-0.027 χ^2/NDF: 80.6/73

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: 285.959+/-0.055 χ^2/NDF:3881965.6/19

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

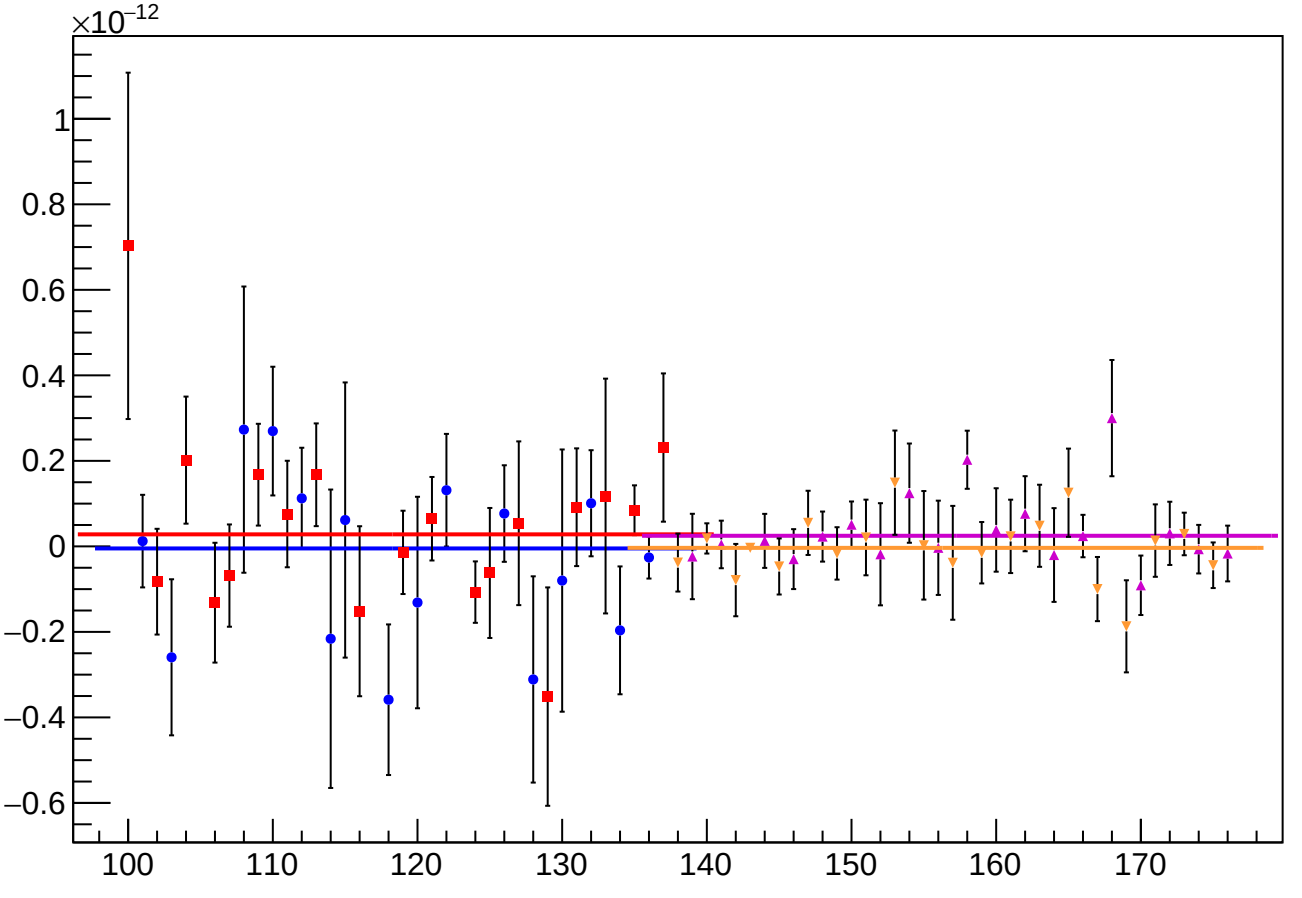
Left: 285.192+/-0.039 χ^2/NDF: 6706380.5/38

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 154.947+/-0.028 χ^2/NDF:12398540.3/34

Out: 145.090+/-0.027 χ^2/NDF:14935035.3/38

All: 149.879+/-0.019 χ^2/NDF: 27399156.6/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

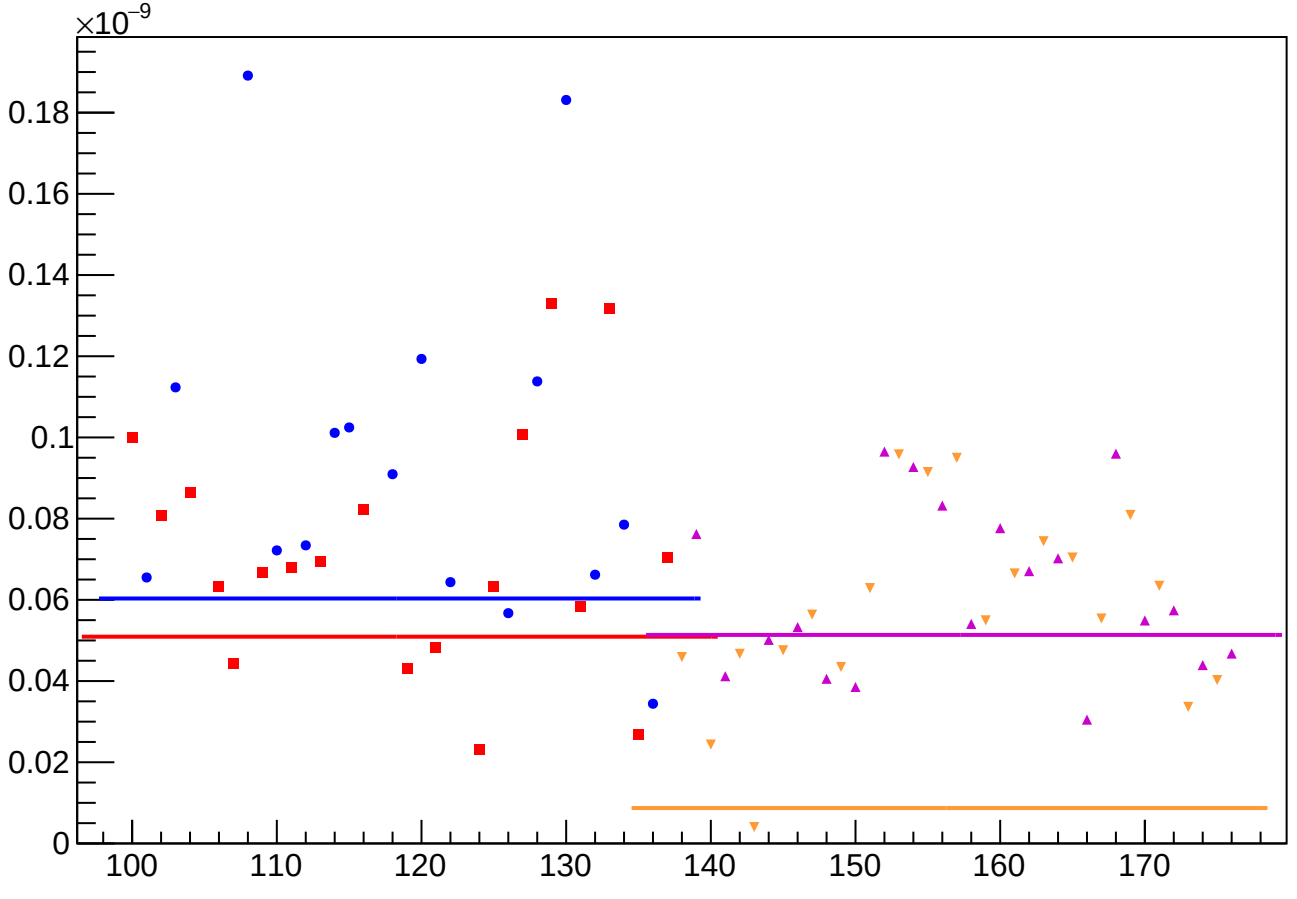
Left: -0.000+/-0.000 χ^2/NDF: 31.6/38

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.3/34

Out: -0.000+/-0.000 χ^2/NDF:32.8/38

All: -0.000+/-0.000 χ^2/NDF: 69.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15495080.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1984122.6/18

Left: 0.000+/-0.000 χ^2/NDF: 29566233.0/38

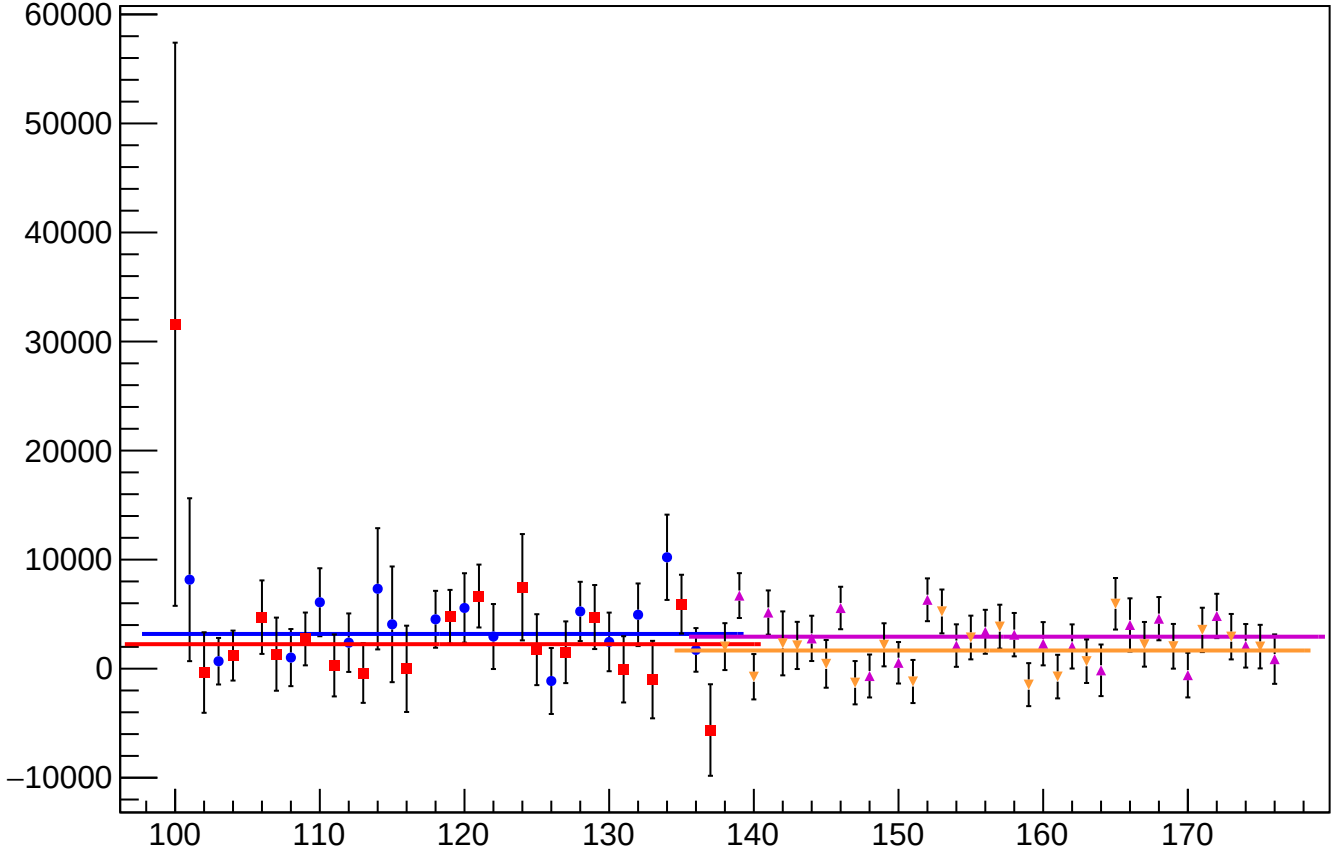
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3855966.9/34

Out: 0.000+/-0.000 χ^2/NDF:21800969.0/38

All: 0.000+/-0.000 χ^2/NDF: 40956077.9/73

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.826+/-464.633 χ^2/NDF:19.7/19

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2931.769+/-468.445 χ^2/NDF:22.3/18

Left: 2294.130+/-329.885 χ^2/NDF: 45.6/38

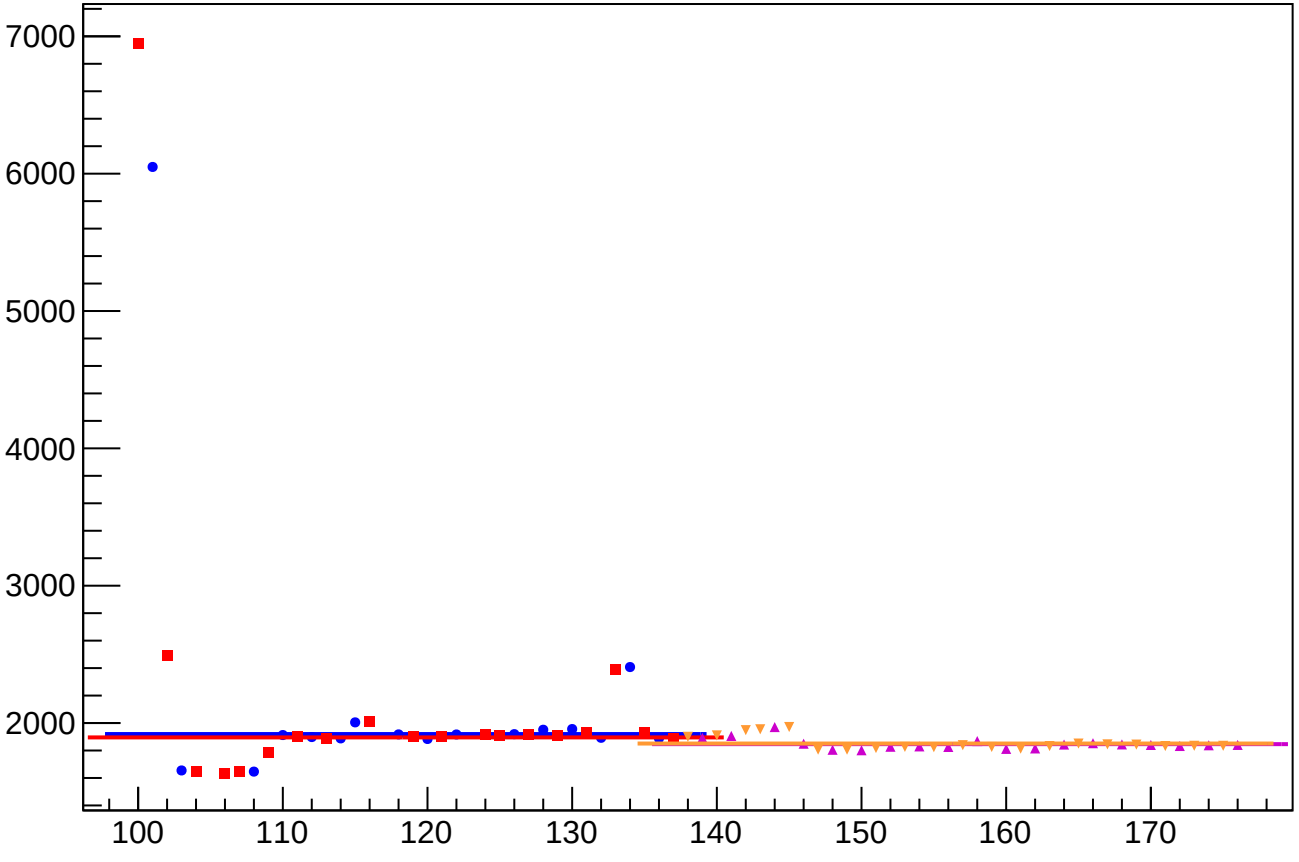
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3005.092+/-394.431 χ^2/NDF:34.0/34

Out: 1840.194+/-388.933 χ^2/NDF:36.7/38

All: 2414.467+/-276.940 χ^2/NDF: 75.1/73

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

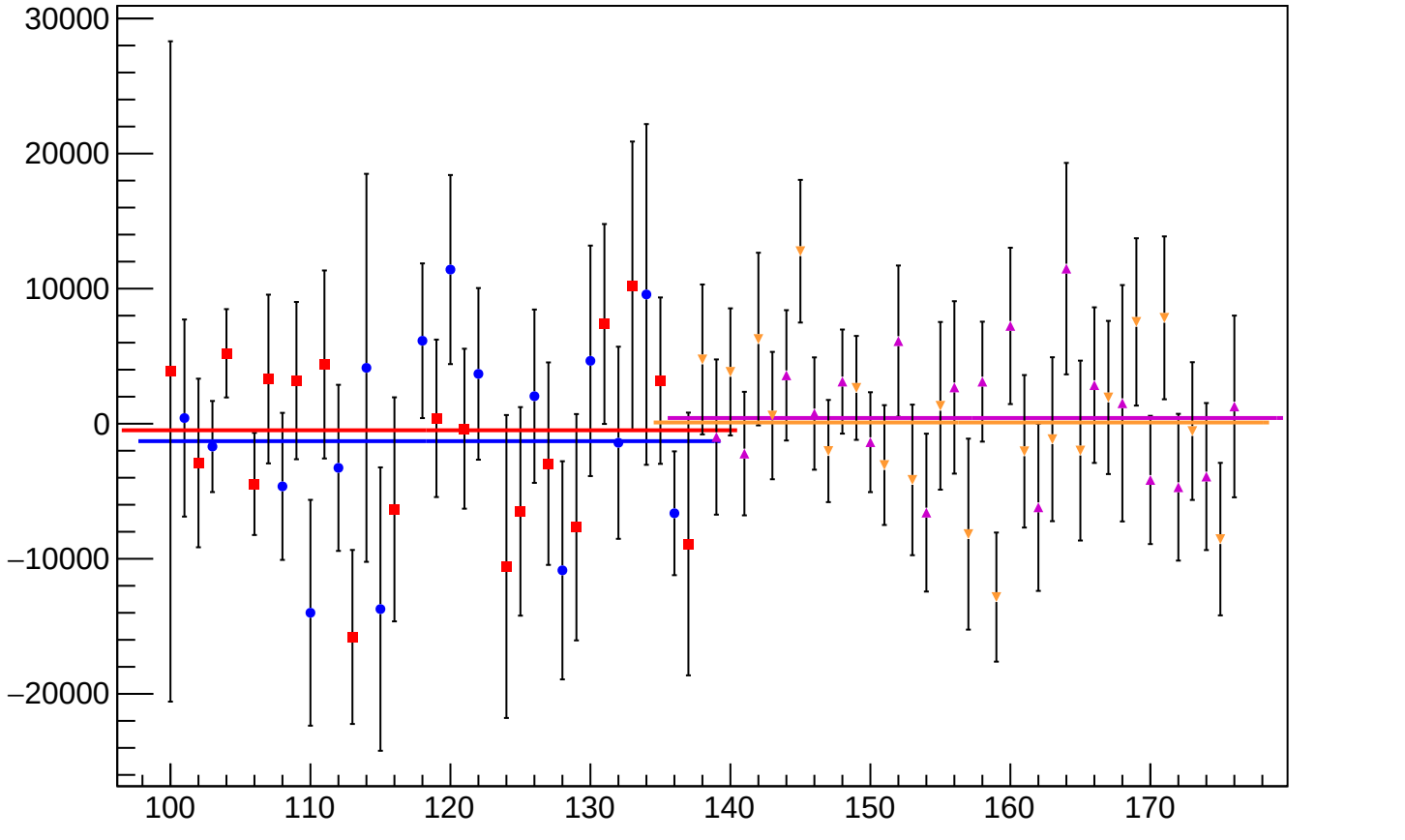
Left: 1848.563+/-0.233 χ^2/NDF: 34472.2/38

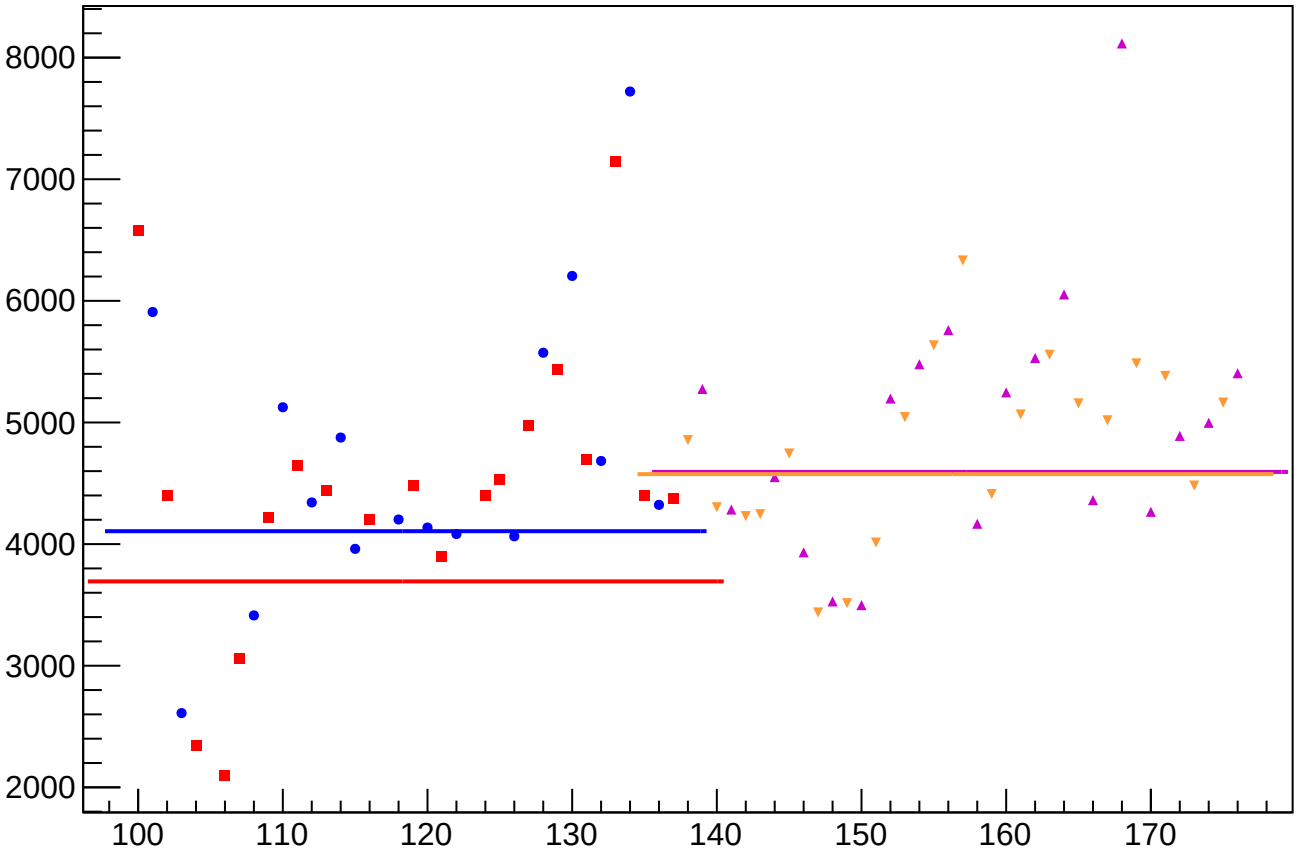
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1867.733+/-0.279 χ^2/NDF:725560.0/34

Out: 1864.161+/-0.275 χ^2/NDF:248297.9/38

All: 1865.920+/-0.196 χ^2/NDF: 973941.2/73


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: 91.065+/-1171.398 χ²/NDF:24.5/19
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 422.678+/-1190.601 χ²/NDF:11.7/18
Left: 254.176+/-835.010 χ²/NDF: 36.2/38
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -195.077+/-952.040 χ²/NDF:26.7/34
Out: -138.908+/-908.069 χ²/NDF:41.8/38
All: -165.665+/-657.097 χ²/NDF: 68.5/73



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4575.394+/-0.828 χ^2/NDF:789212.5/19

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4593.551+/-0.842 χ^2/NDF:1094464.8/18

Left: 4584.325+/-0.590 χ^2/NDF: 1883913.7/38

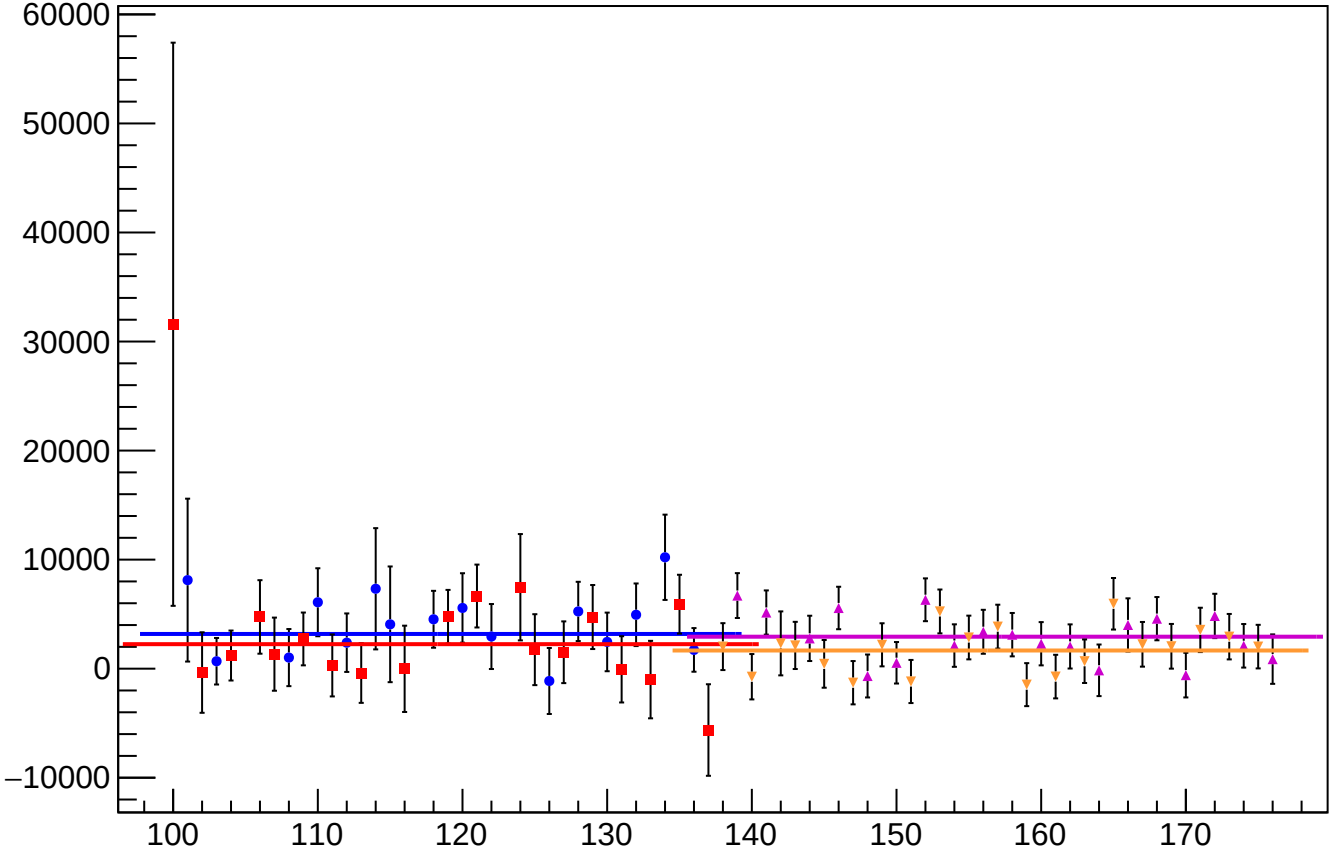
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4417.796+/-0.673 χ^2/NDF:2171460.7/34

Out: 4223.368+/-0.642 χ^2/NDF:2598467.9/38

All: 4315.988+/-0.465 χ^2/NDF: 4813605.8/73

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2931.740+/-468.445 χ^2/NDF:22.3/18

Left: 2294.072+/-329.885 χ^2/NDF: 45.6/38

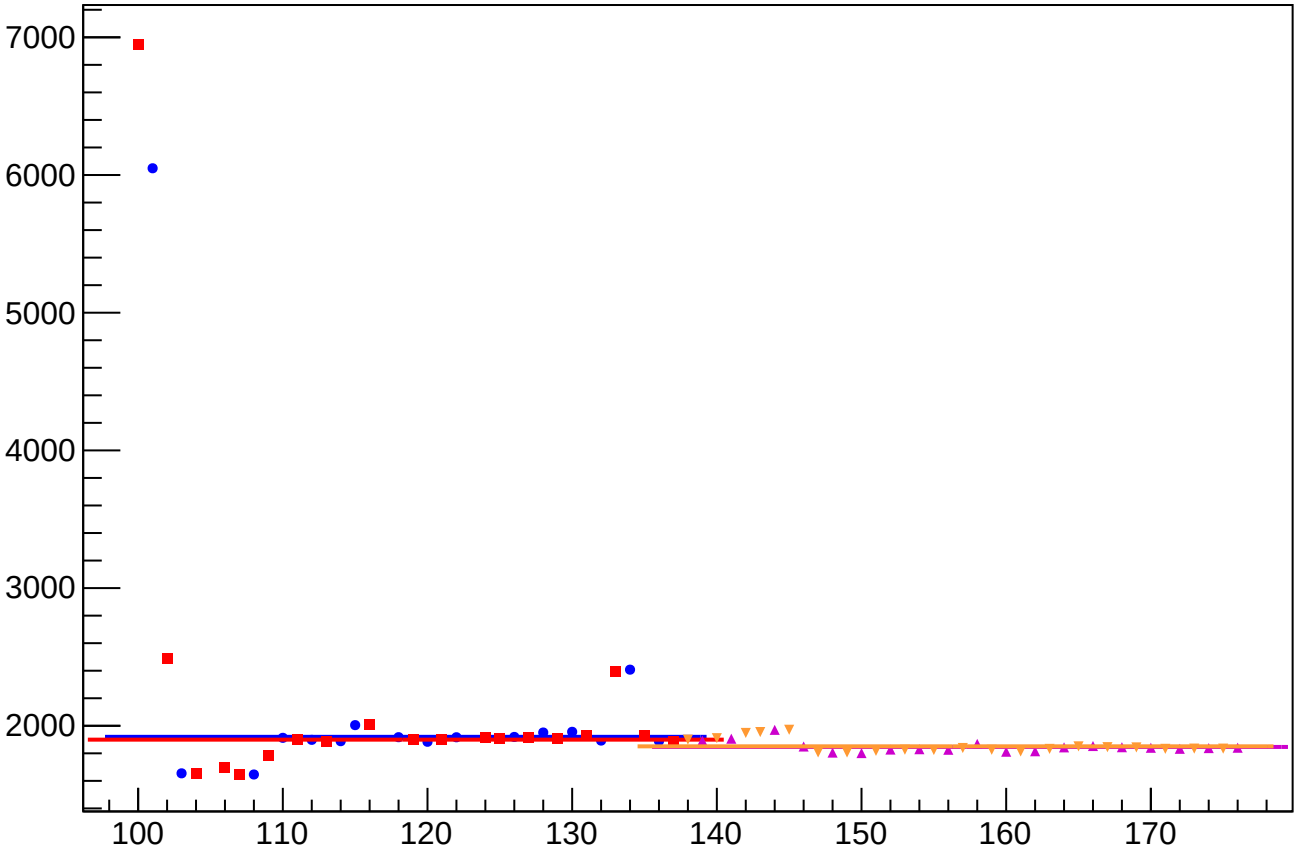
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3004.858+/-394.431 χ^2/NDF:34.0/34

Out: 1840.473+/-388.933 χ^2/NDF:36.7/38

All: 2414.495+/-276.941 χ^2/NDF: 75.1/73

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

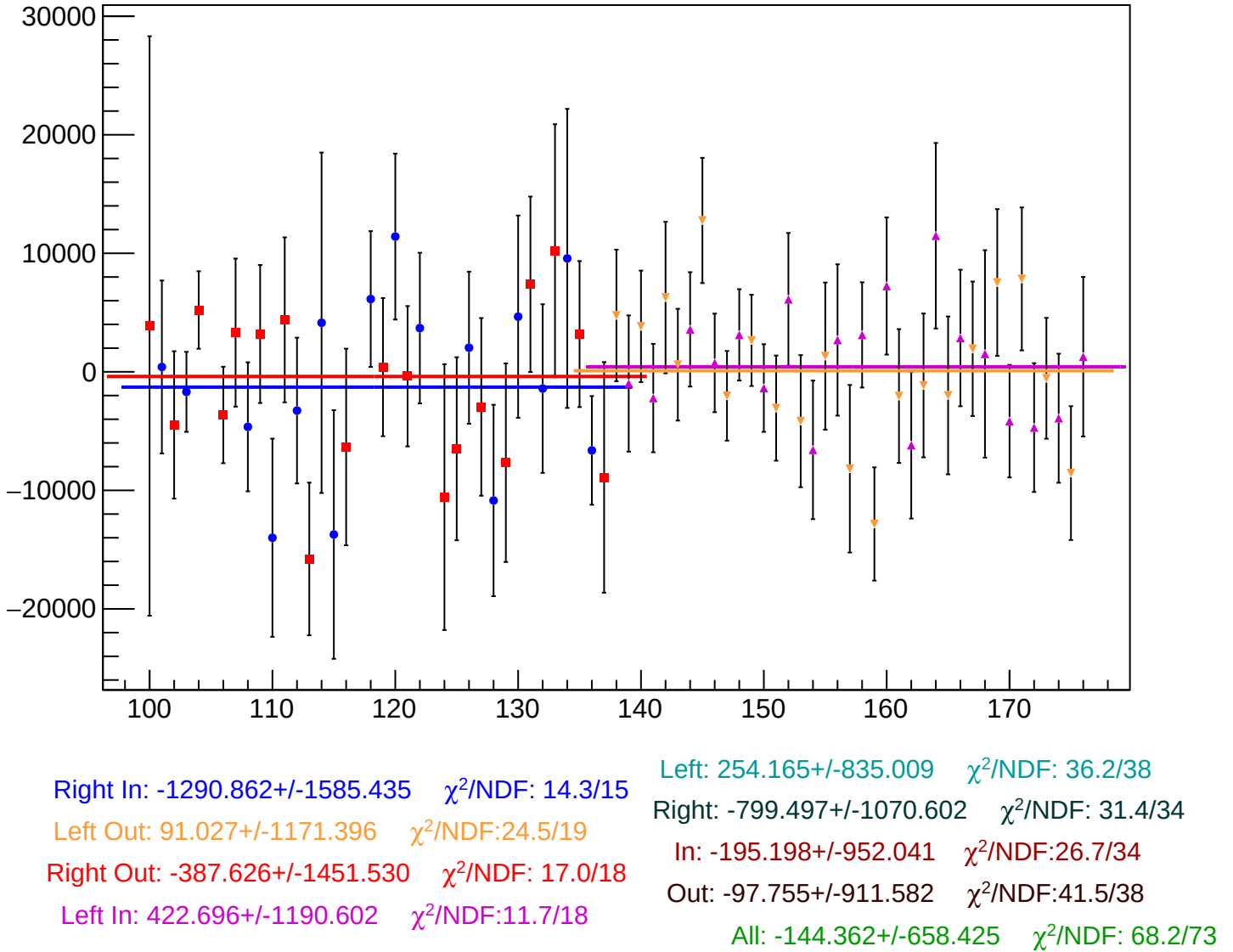
Left: 1848.563+/-0.233 χ^2/NDF: 34472.2/38

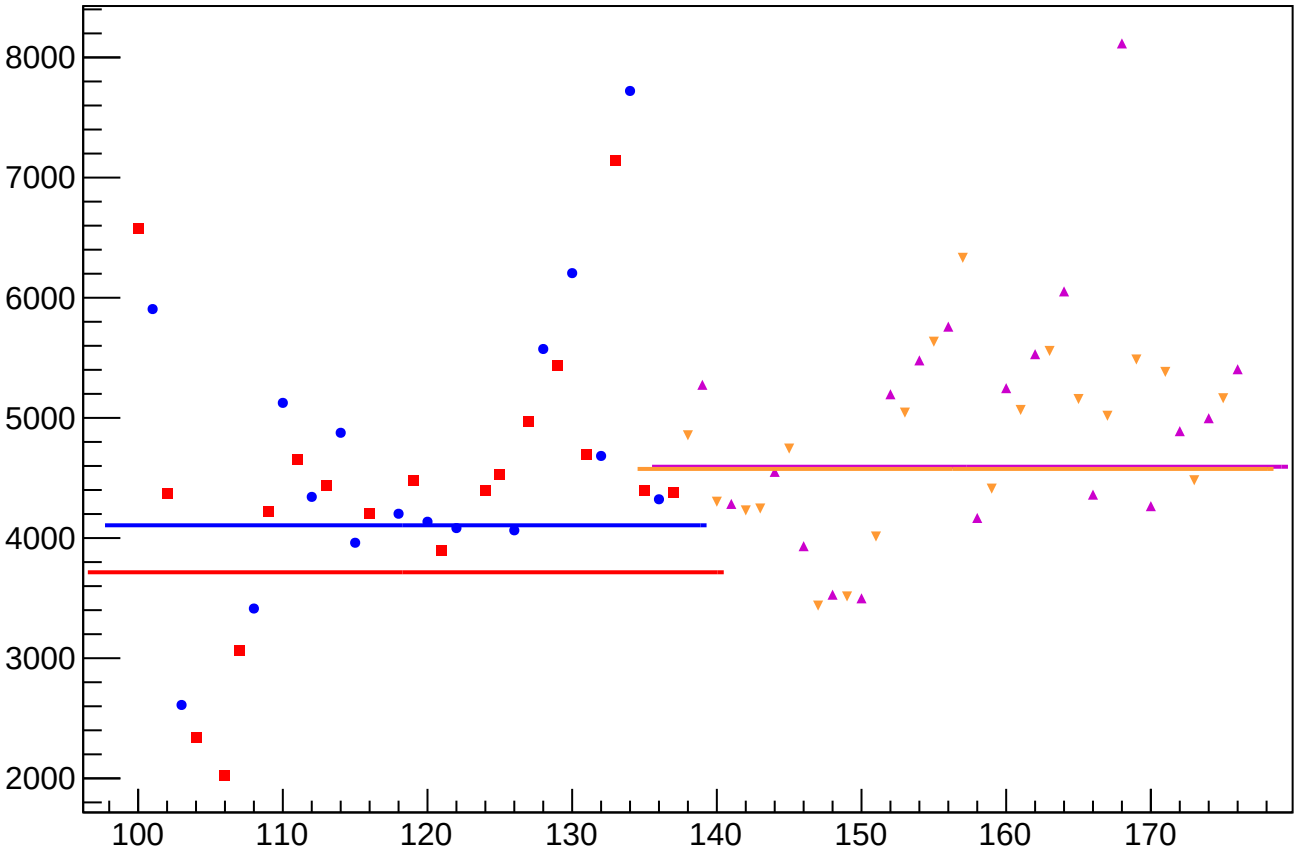
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1867.733+/-0.279 χ^2/NDF:725559.3/34

Out: 1865.326+/-0.275 χ^2/NDF:242700.5/38

All: 1866.512+/-0.196 χ^2/NDF: 968297.6/73


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: 91.027+/-1171.396 χ²/NDF:24.5/19
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 422.696+/-1190.602 χ²/NDF:11.7/18
Left: 254.165+/-835.009 χ²/NDF: 36.2/38
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -195.198+/-952.041 χ²/NDF:26.7/34
Out: -97.755+/-911.582 χ²/NDF:41.5/38
All: -144.362+/-658.425 χ²/NDF: 68.2/73



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

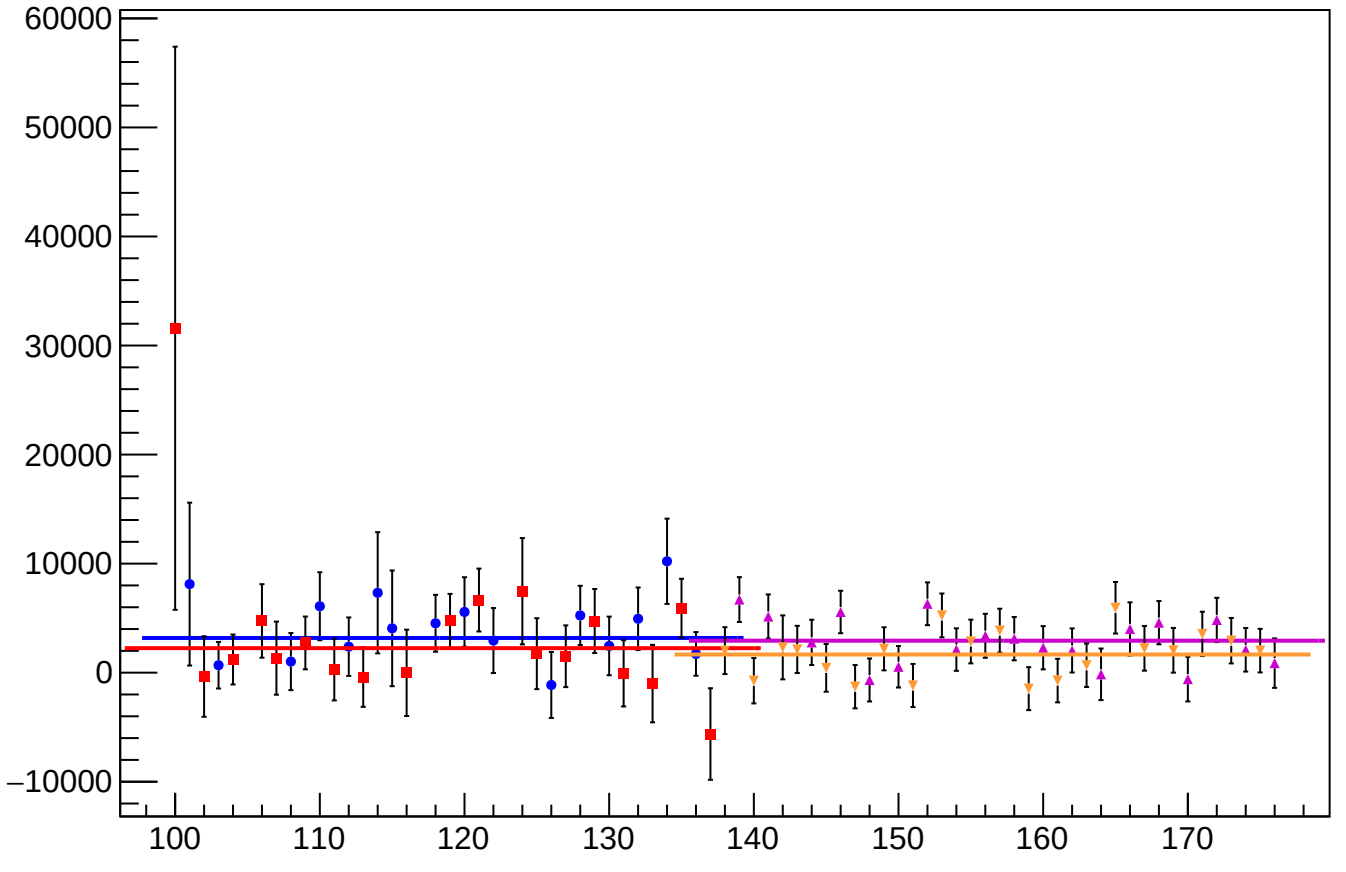
Left: 4584.321+/-0.590 χ^2/NDF: 1883926.6/38

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4417.831+/-0.673 χ^2/NDF:2170911.6/34

Out: 4236.126+/-0.645 χ^2/NDF:2549675.9/38

All: 4323.036+/-0.466 χ^2/NDF: 4758595.4/73



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1666.741+/-464.633 χ^2/NDF:19.7/19

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2931.740+/-468.445 χ^2/NDF:22.3/18

Left: 2294.072+/-329.885 χ^2/NDF: 45.6/38

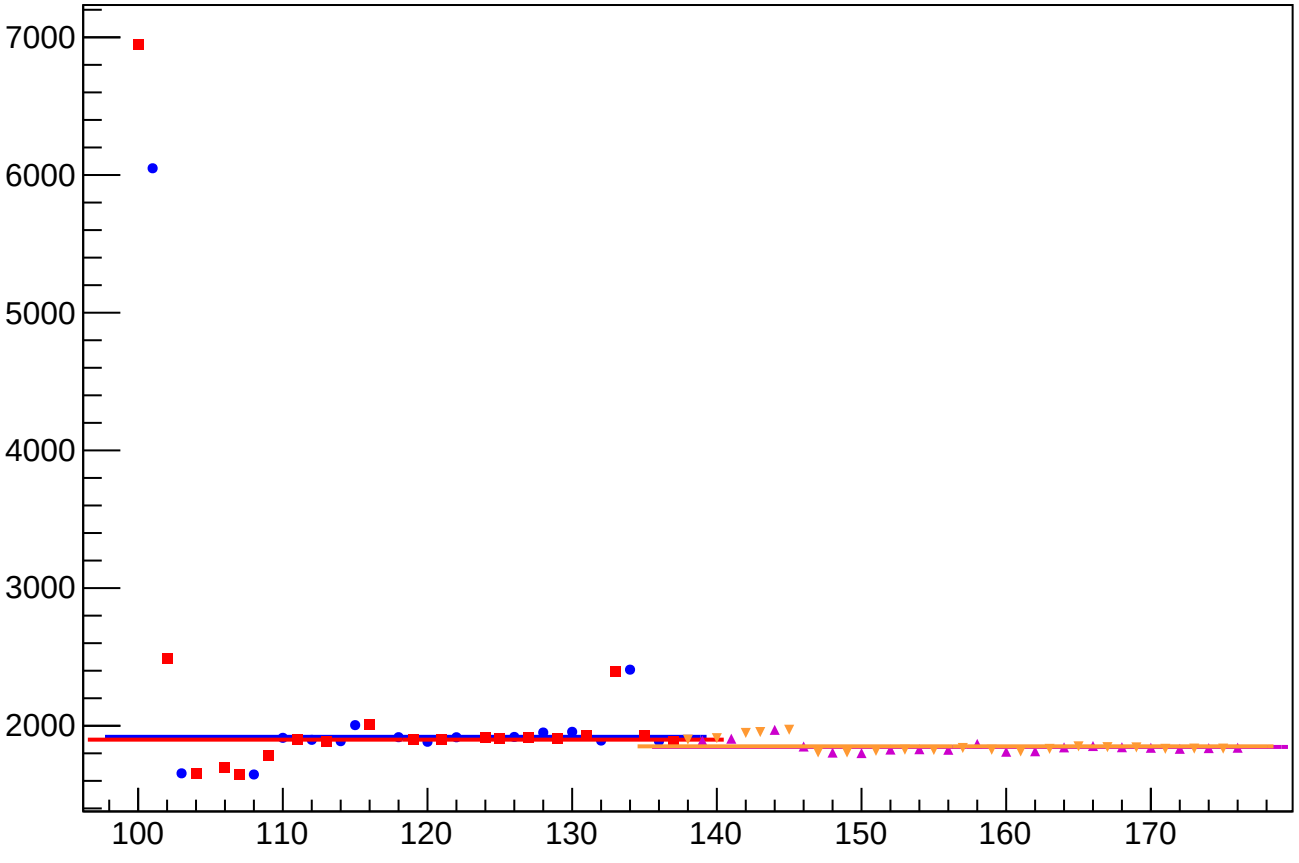
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3004.858+/-394.431 χ^2/NDF:34.0/34

Out: 1840.473+/-388.933 χ^2/NDF:36.7/38

All: 2414.495+/-276.941 χ^2/NDF: 75.1/73

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1850.741+/-0.329 χ^2/NDF:20476.5/19

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

Left: 1848.563+/-0.233 χ^2/NDF: 34472.2/38

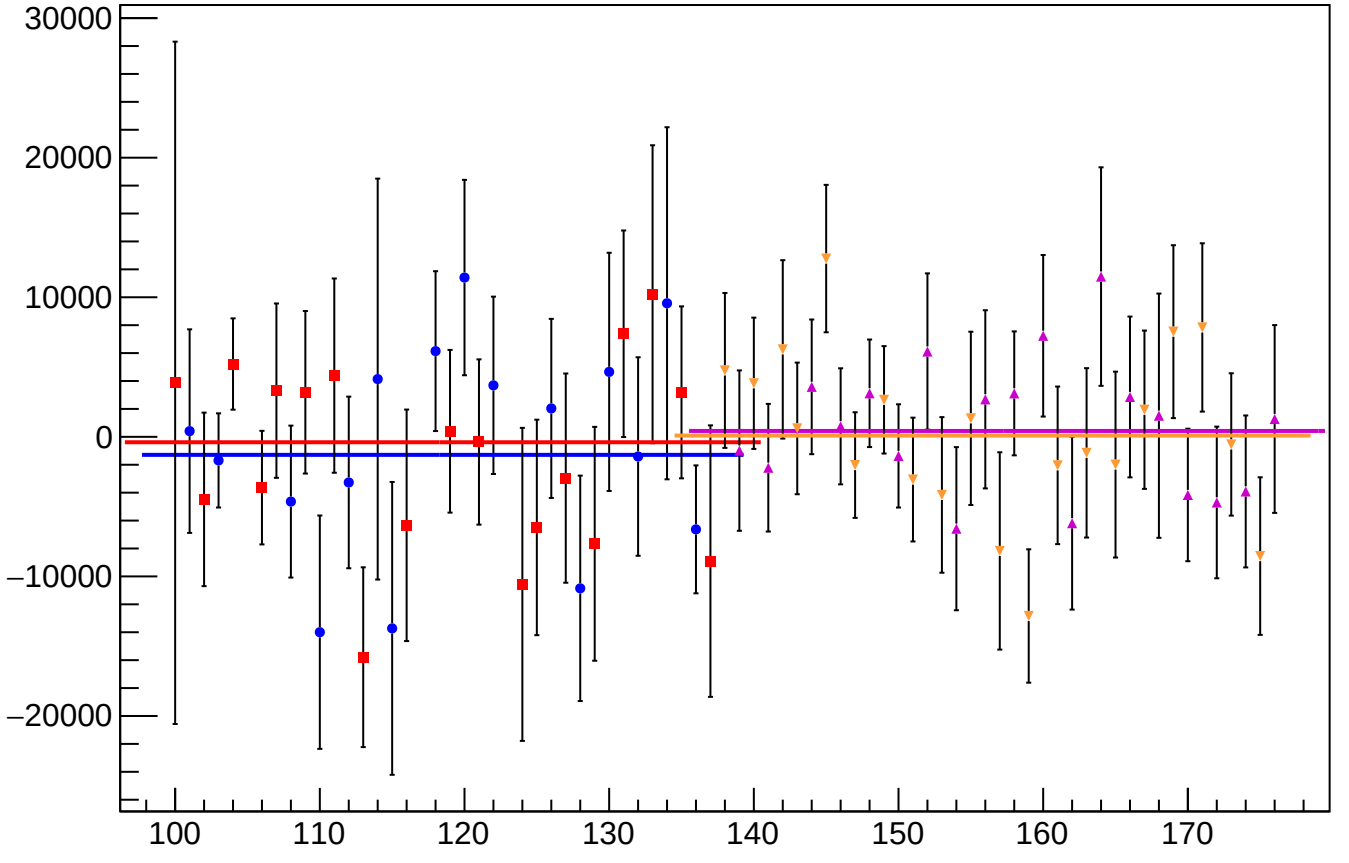
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1867.733+/-0.279 χ^2/NDF:725559.3/34

Out: 1865.326+/-0.275 χ^2/NDF:242700.5/38

All: 1866.512+/-0.196 χ^2/NDF: 968297.6/73

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 91.027+/-1171.396 χ^2/NDF:24.5/19

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 422.696+/-1190.602 χ^2/NDF:11.7/18

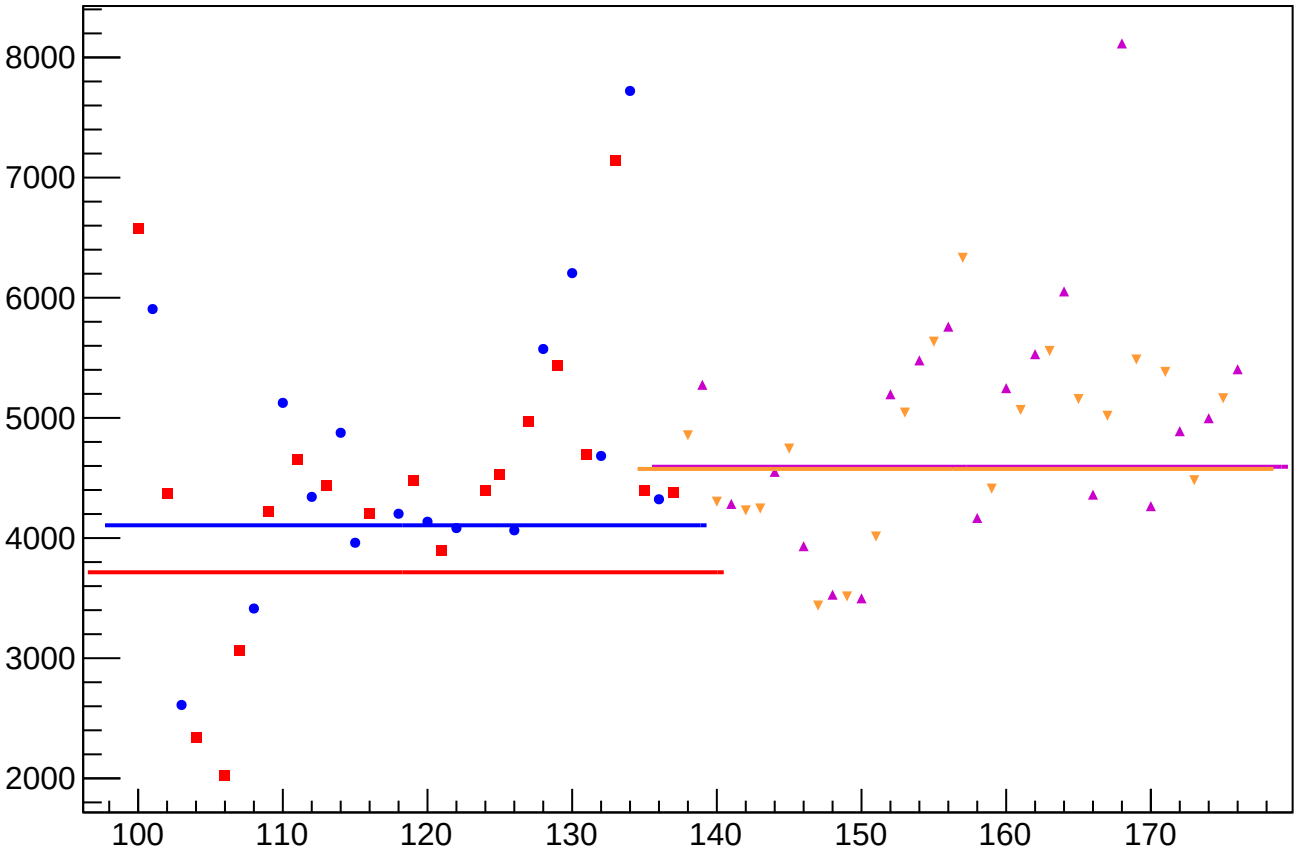
Left: 254.165+/-835.009 χ^2/NDF: 36.2/38

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.198+/-952.041 χ^2/NDF:26.7/34

Out: -97.755+/-911.582 χ^2/NDF:41.5/38

All: -144.362+/-658.425 χ^2/NDF: 68.2/73



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4575.383+/-0.828 χ^2/NDF:789230.2/19

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

Left: 4584.321+/-0.590 χ^2/NDF: 1883926.6/38

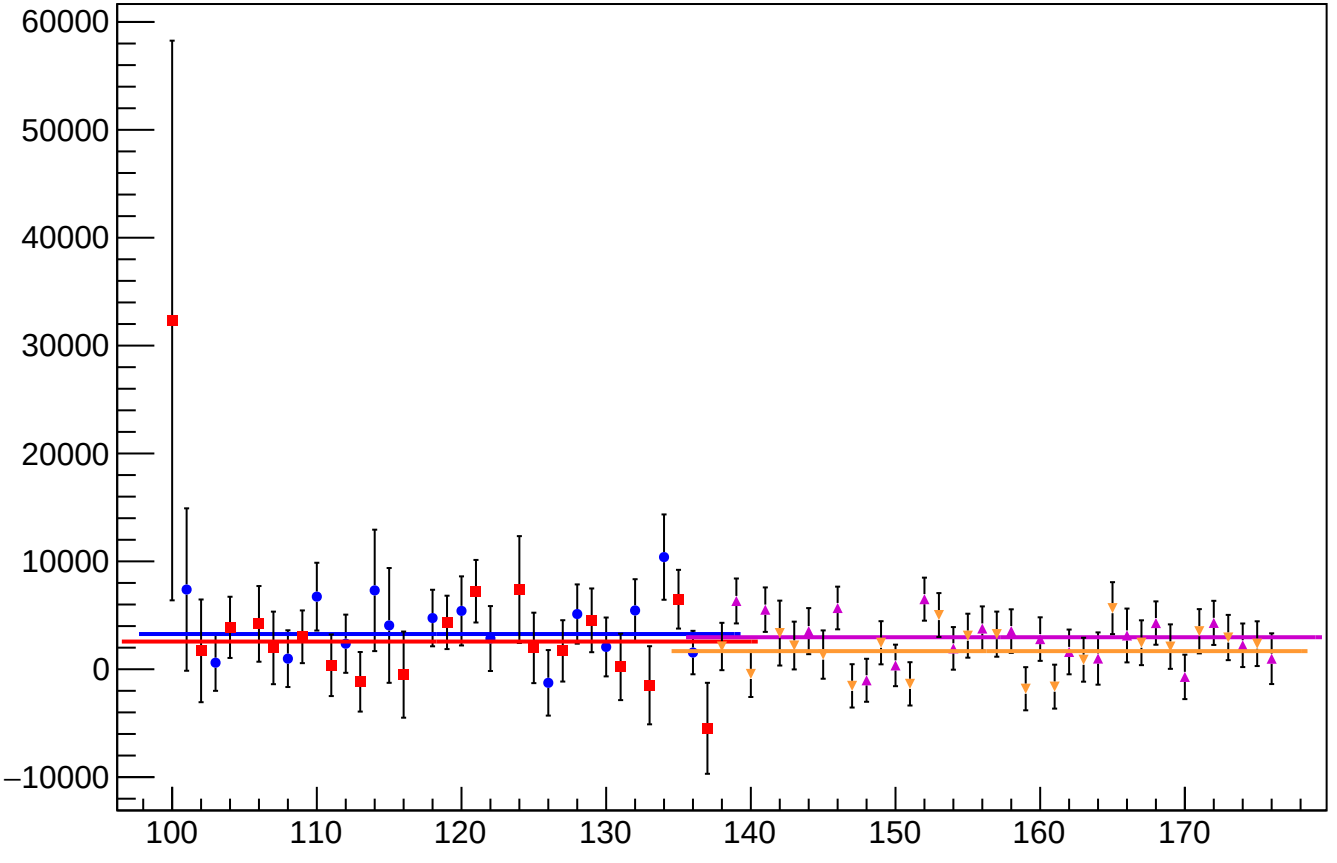
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4417.831+/-0.673 χ^2/NDF:2170911.6/34

Out: 4236.126+/-0.645 χ^2/NDF:2549675.9/38

All: 4323.036+/-0.466 χ^2/NDF: 4758595.4/73

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.076+/-473.198 χ^2/NDF:20.2/19

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 2967.772+/-476.195 χ^2/NDF:21.6/18

Left: 2319.356+/-335.656 χ^2/NDF: 45.4/38

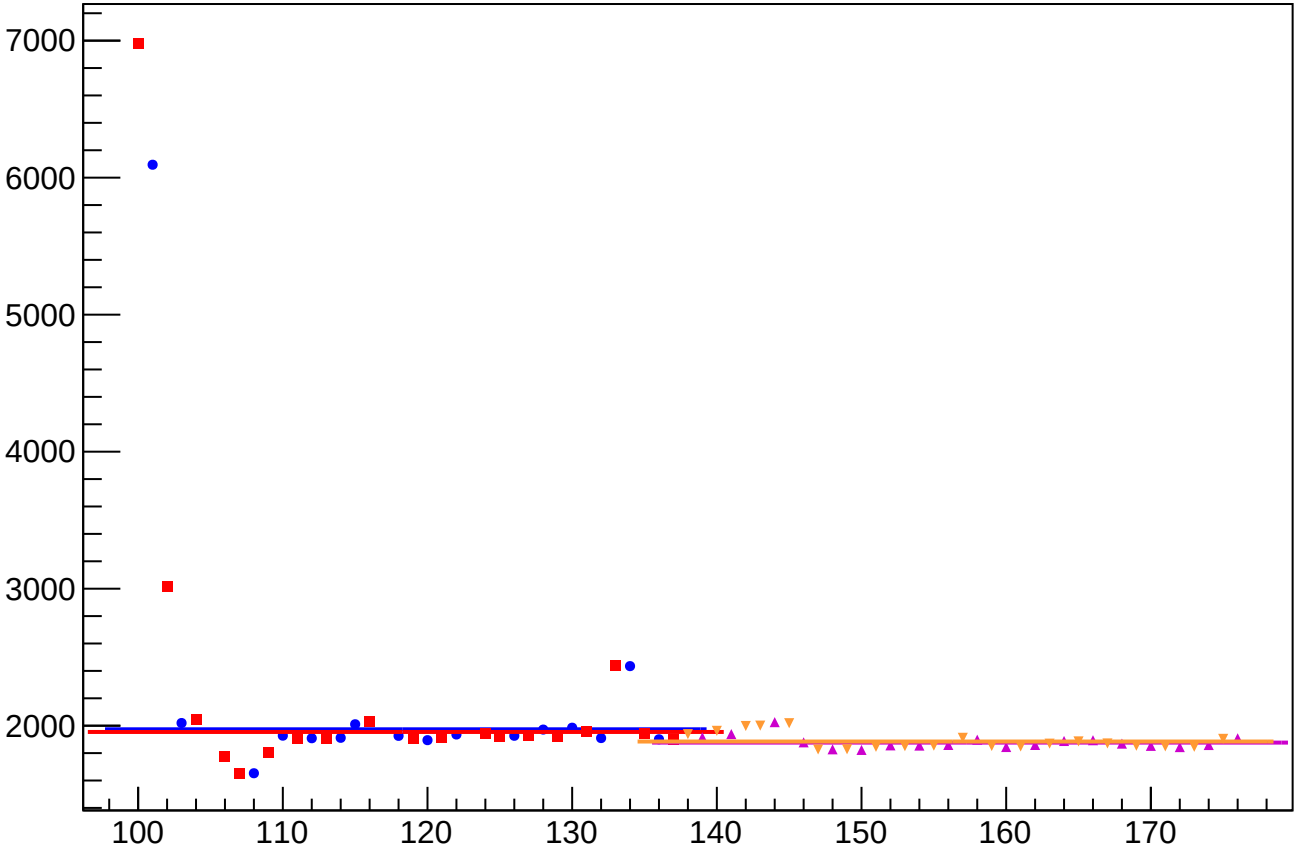
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3052.924+/-402.142 χ^2/NDF:33.8/34

Out: 1939.234+/-397.853 χ^2/NDF:38.2/38

All: 2490.108+/-282.829 χ^2/NDF: 75.9/73

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1884.540+/-0.335 χ^2/NDF:27914.6/19

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.681+/-0.337 χ^2/NDF:17963.4/18

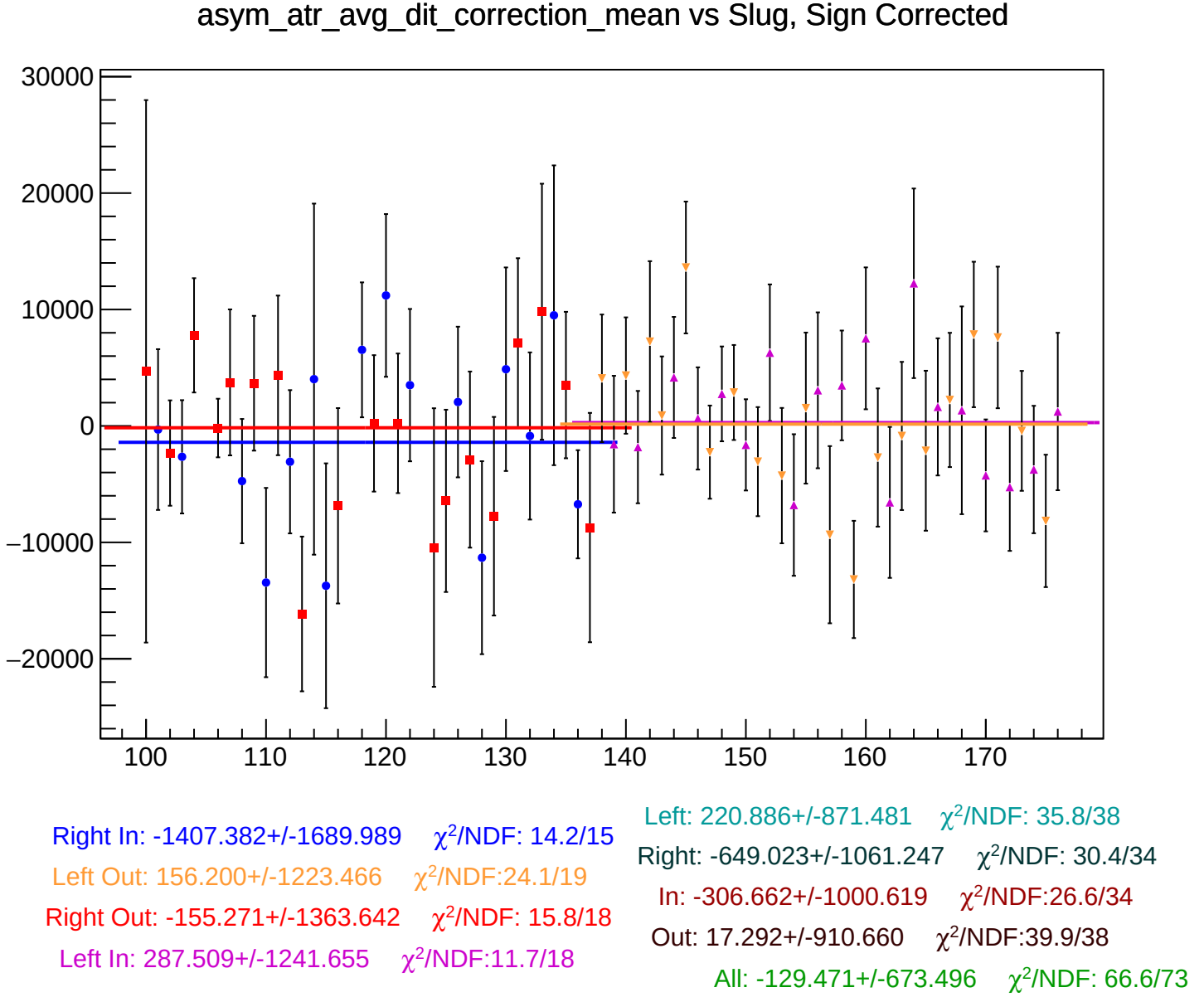
Left: 1880.635+/-0.237 χ^2/NDF: 46152.1/38

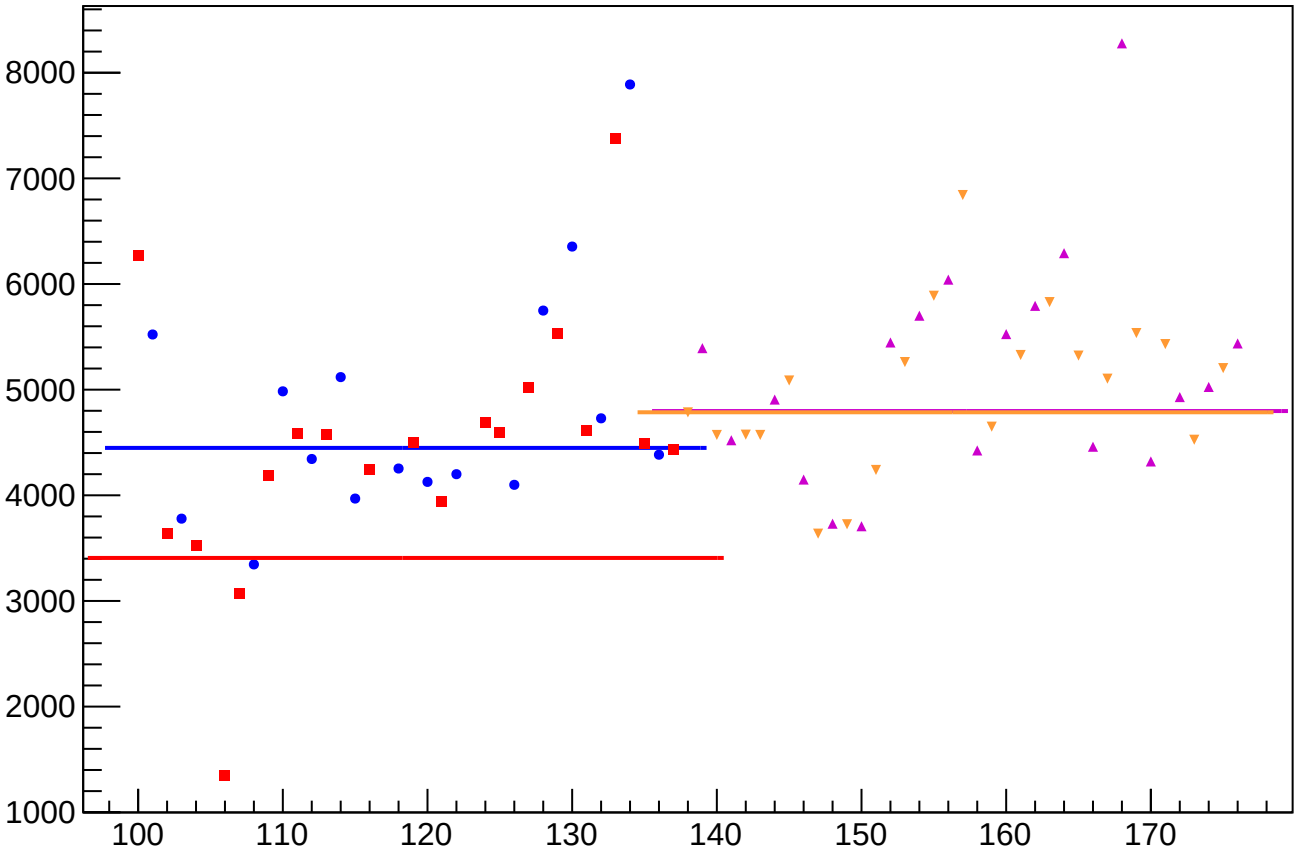
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.523+/-0.284 χ^2/NDF:706924.1/34

Out: 1905.023+/-0.281 χ^2/NDF:286896.3/38

All: 1904.776+/-0.200 χ^2/NDF: 993821.9/73


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 156.200+/-1223.466 χ²/NDF:24.1/19
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 287.509+/-1241.655 χ²/NDF:11.7/18
Left: 220.886+/-871.481 χ²/NDF: 35.8/38
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -306.662+/-1000.619 χ²/NDF:26.6/34
Out: 17.292+/-910.660 χ²/NDF:39.9/38
All: -129.471+/-673.496 χ²/NDF: 66.6/73



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4785.914+/-0.865 χ^2/NDF:716509.4/19

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4797.503+/-0.878 χ^2/NDF:1009846.8/18

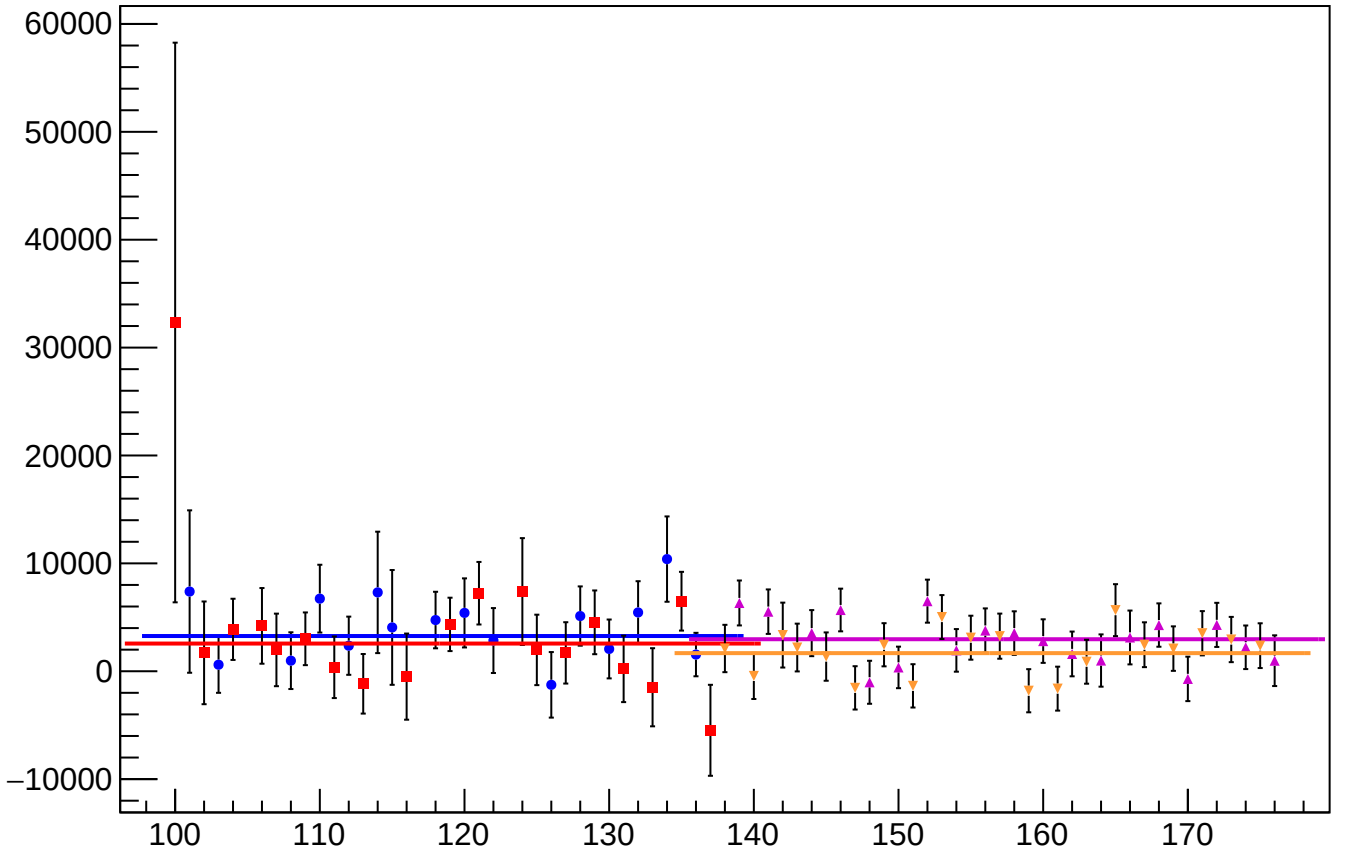
Left: 4791.623+/-0.616 χ^2/NDF: 1726444.6/38

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4675.229+/-0.708 χ^2/NDF:1559786.7/34

Out: 4171.009+/-0.644 χ^2/NDF:4175365.8/38

All: 4399.439+/-0.476 χ^2/NDF: 6012926.1/73



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1679.070+/-473.199 χ^2/NDF:20.2/19

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2967.774+/-476.195 χ^2/NDF:21.6/18

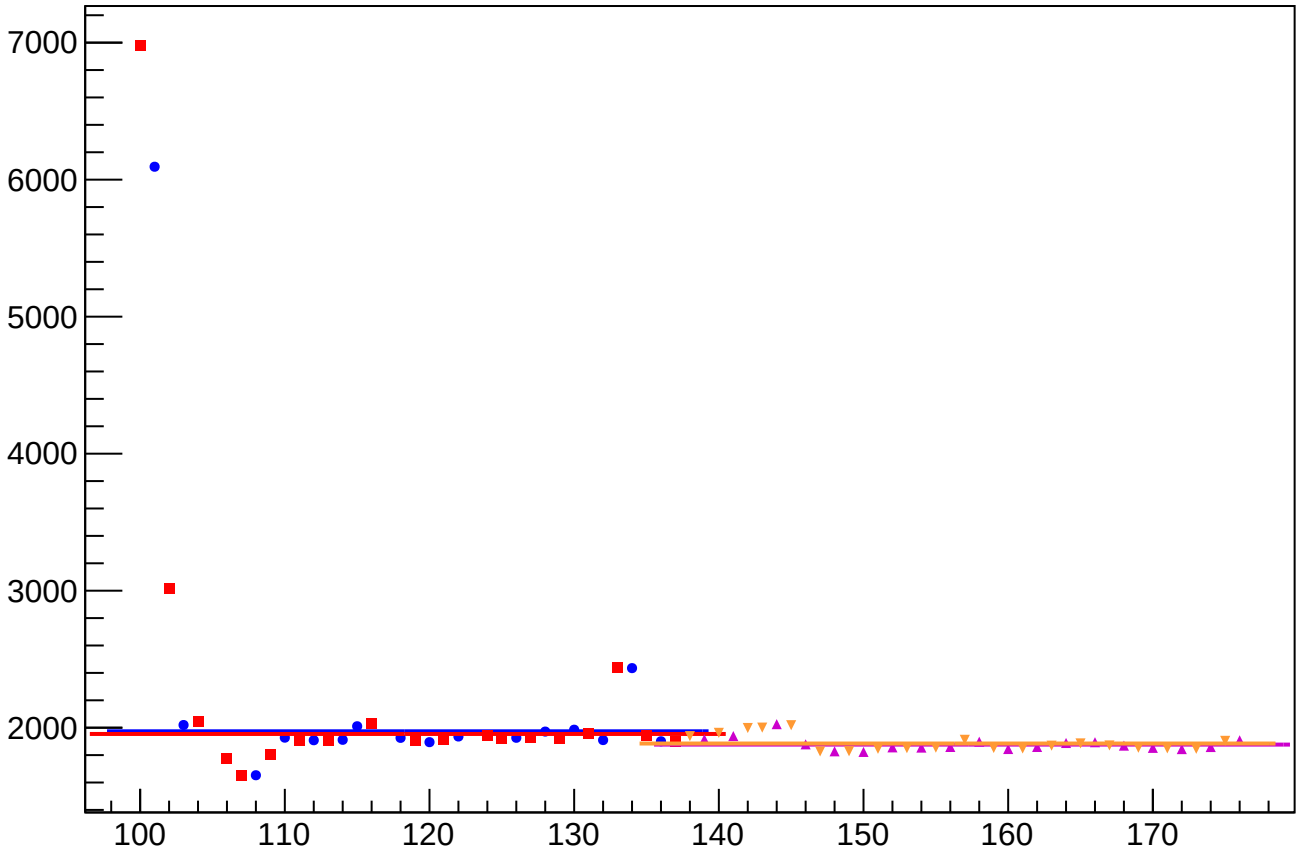
Left: 2319.354+/-335.656 χ^2/NDF: 45.4/38

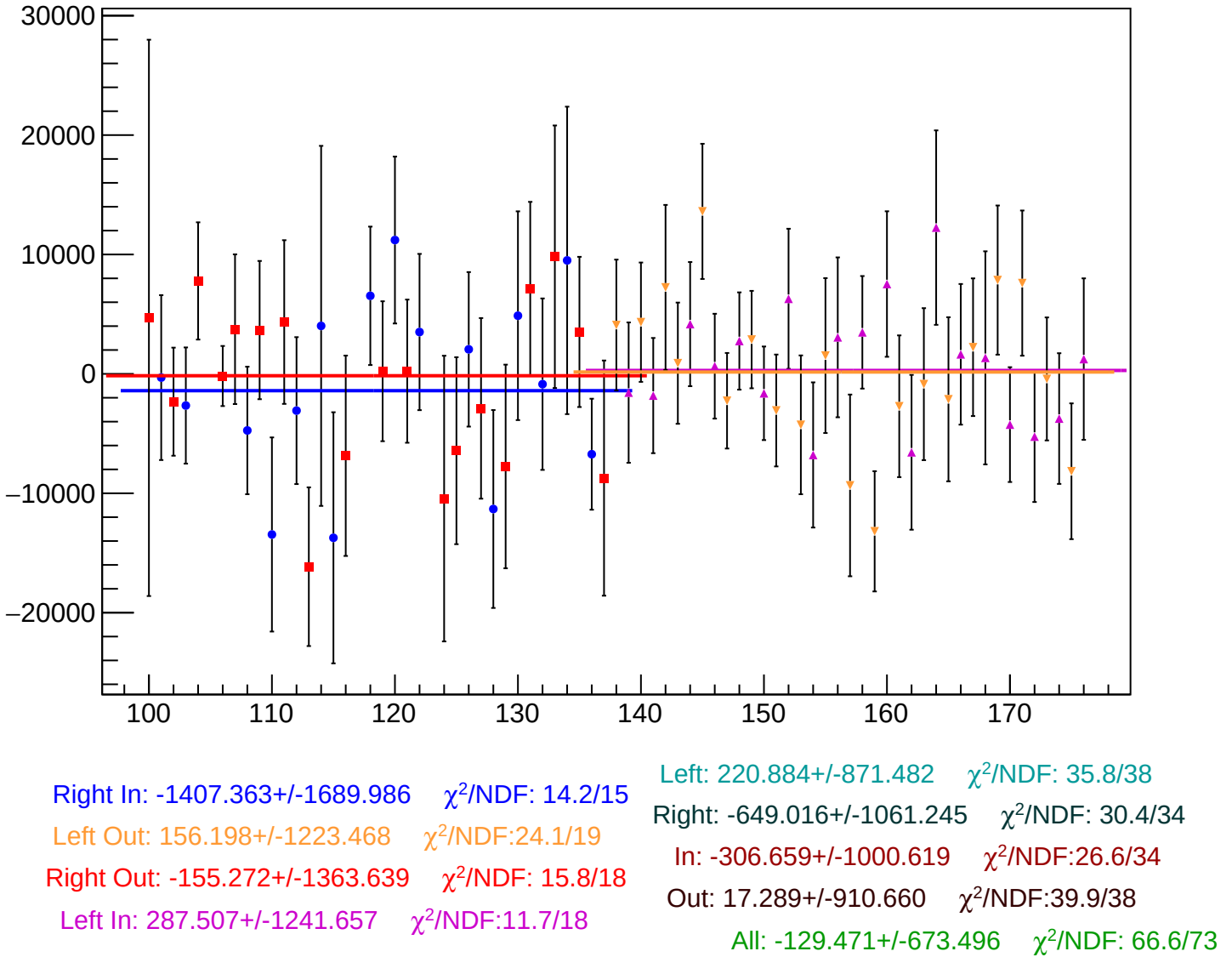
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

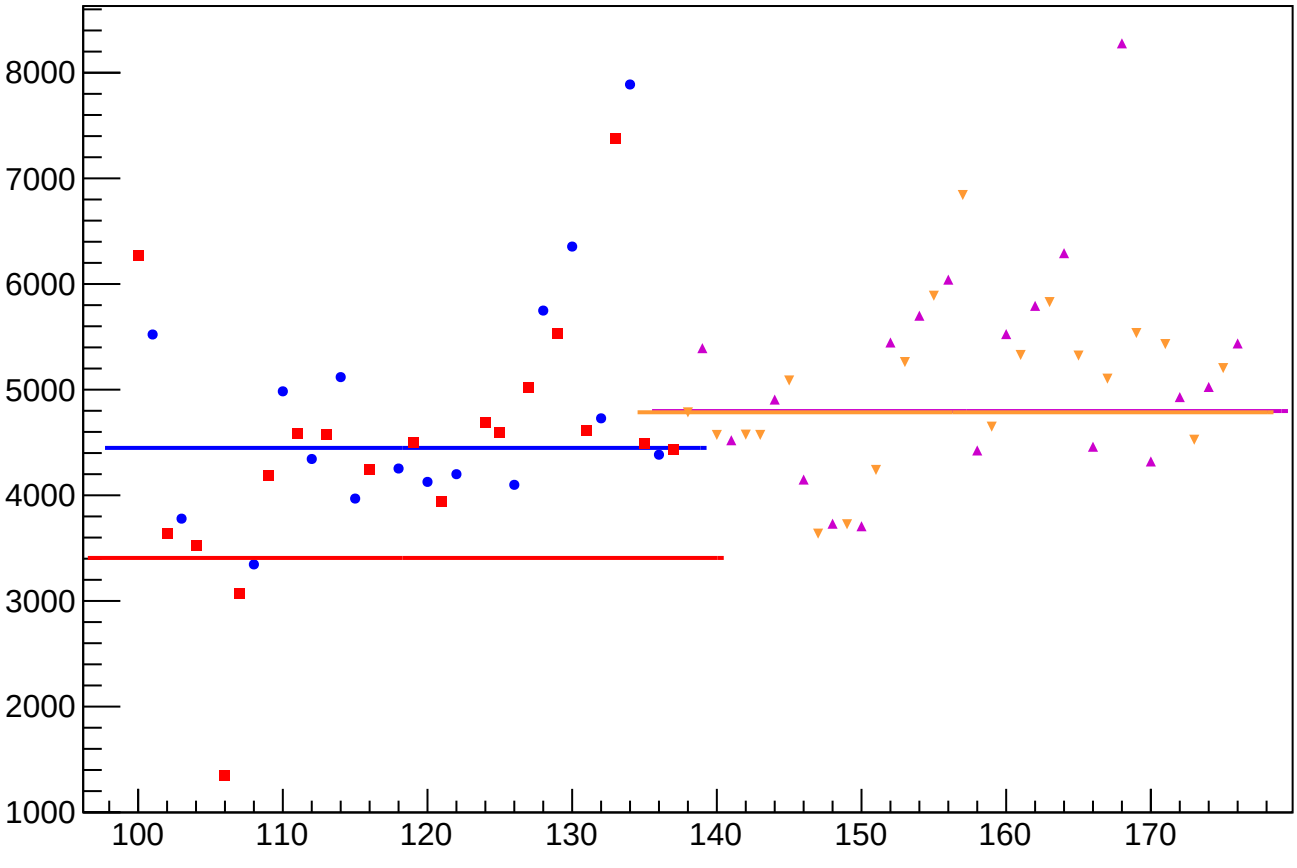
In: 3052.928+/-402.142 χ^2/NDF:33.8/34

Out: 1939.232+/-397.853 χ^2/NDF:38.2/38

All: 2490.108+/-282.829 χ^2/NDF: 75.9/73


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: 1884.540+/-0.335 χ²/NDF:27914.7/19
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1876.682+/-0.337 χ²/NDF:17963.4/18
Left: 1880.636+/-0.237 χ²/NDF: 46152.2/38
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1904.524+/-0.284 χ²/NDF:706923.5/34
Out: 1905.024+/-0.281 χ²/NDF:286895.5/38
All: 1904.776+/-0.200 χ²/NDF: 993820.6/73


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: 156.198+/-1223.468 χ²/NDF:24.1/19
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 287.507+/-1241.657 χ²/NDF:11.7/18
Left: 220.884+/-871.482 χ²/NDF: 35.8/38
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -306.659+/-1000.619 χ²/NDF:26.6/34
Out: 17.289+/-910.660 χ²/NDF:39.9/38
All: -129.471+/-673.496 χ²/NDF: 66.6/73



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4785.922+/-0.865 χ^2/NDF:716509.1/19

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4797.510+/-0.878 χ^2/NDF:1009847.1/18

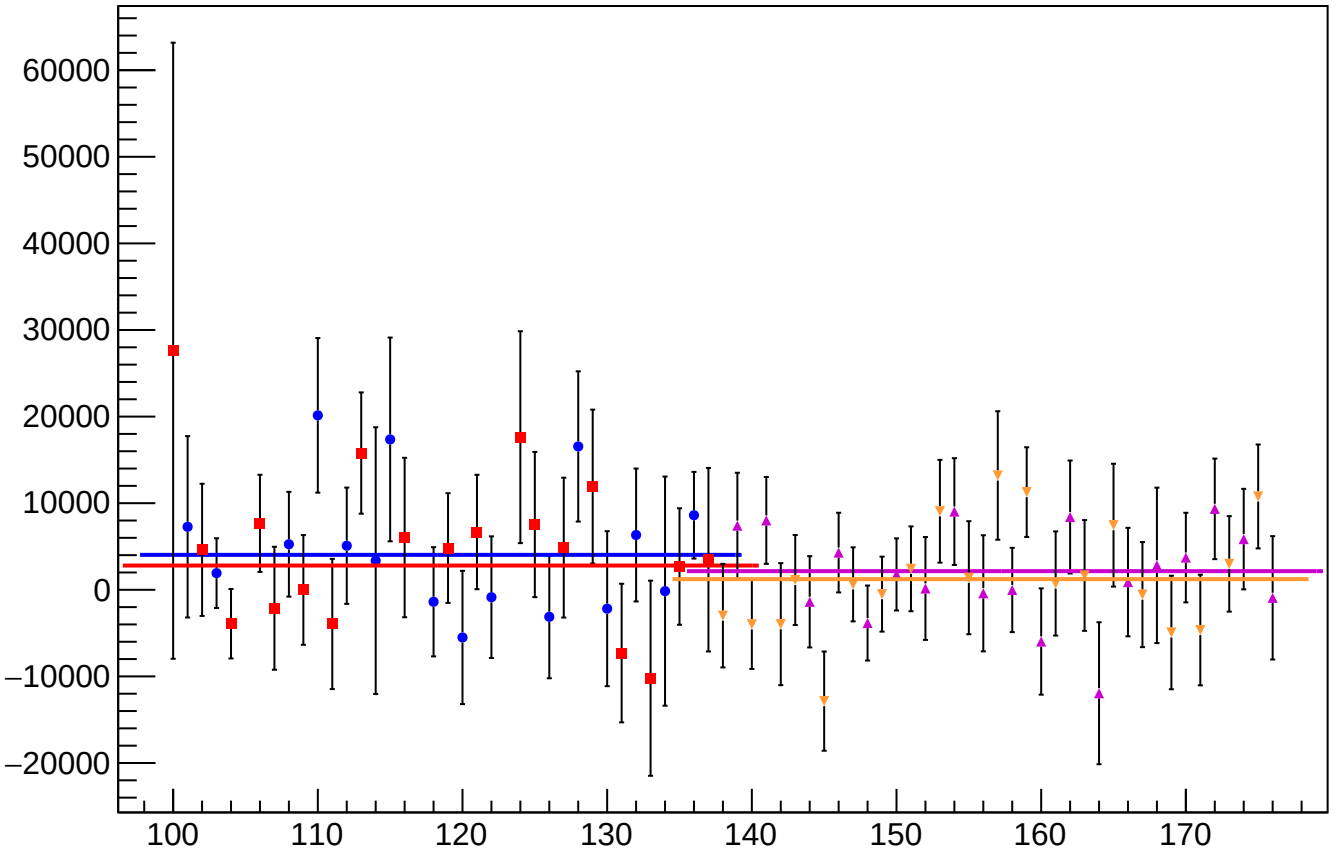
Left: 4791.631+/-0.616 χ^2/NDF: 1726444.6/38

Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4675.230+/-0.708 χ^2/NDF:1559788.6/34

Out: 4171.007+/-0.644 χ^2/NDF:4175396.3/38

All: 4399.438+/-0.476 χ^2/NDF: 6012962.4/73



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1229.184+/-1272.079 χ^2/NDF:21.7/19

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2154.165+/-1291.729 χ^2/NDF:14.3/18

Left: 1684.585+/-906.363 χ^2/NDF: 36.3/38

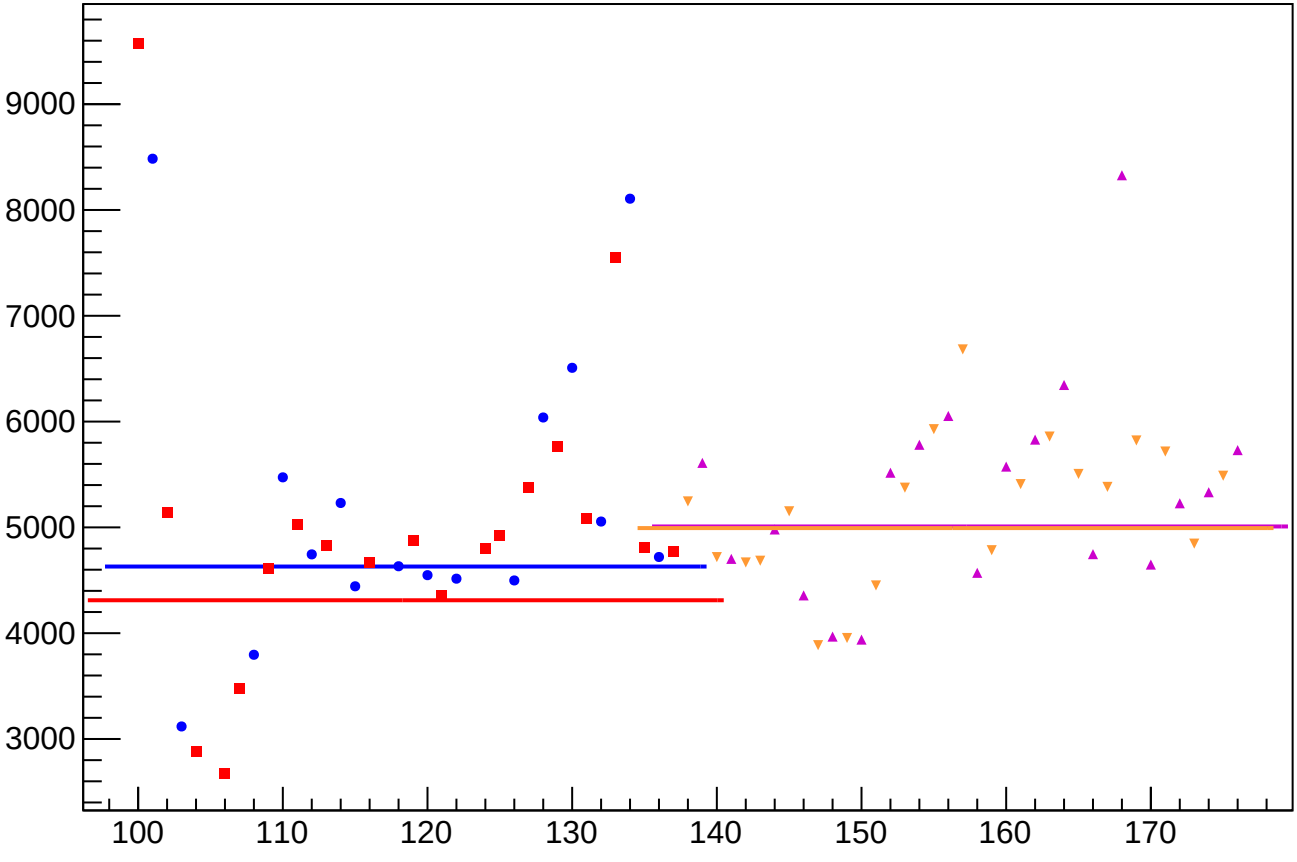
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2801.864+/-1045.865 χ^2/NDF:27.4/34

Out: 1805.334+/-1012.357 χ^2/NDF:37.7/38

All: 2287.380+/-727.402 χ^2/NDF: 65.5/73

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4993.314+/-0.899 χ^2/NDF:589408.7/19

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5008.726+/-0.913 χ^2/NDF:843620.2/18

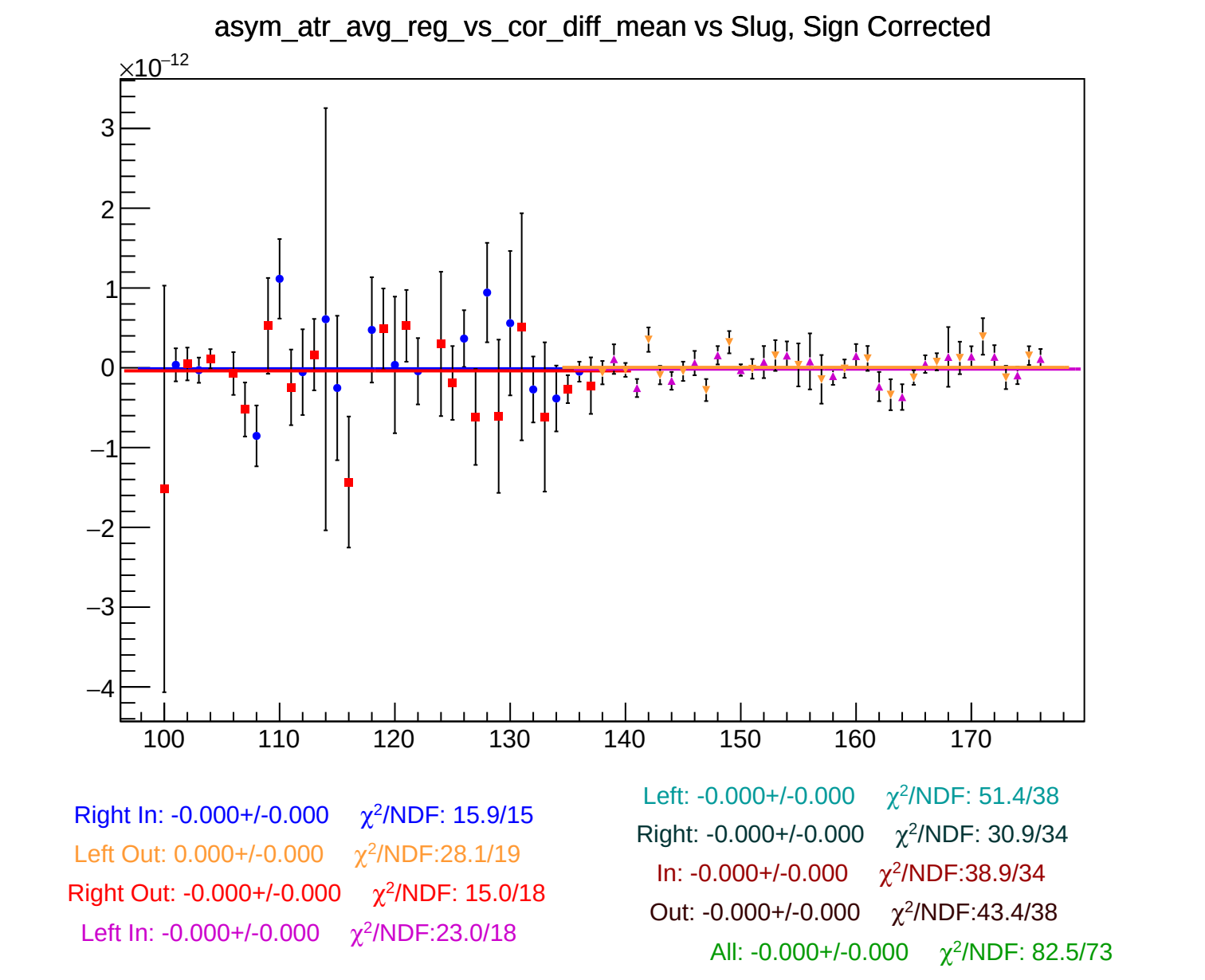
Left: 5000.902+/-0.641 χ^2/NDF: 1433173.4/38

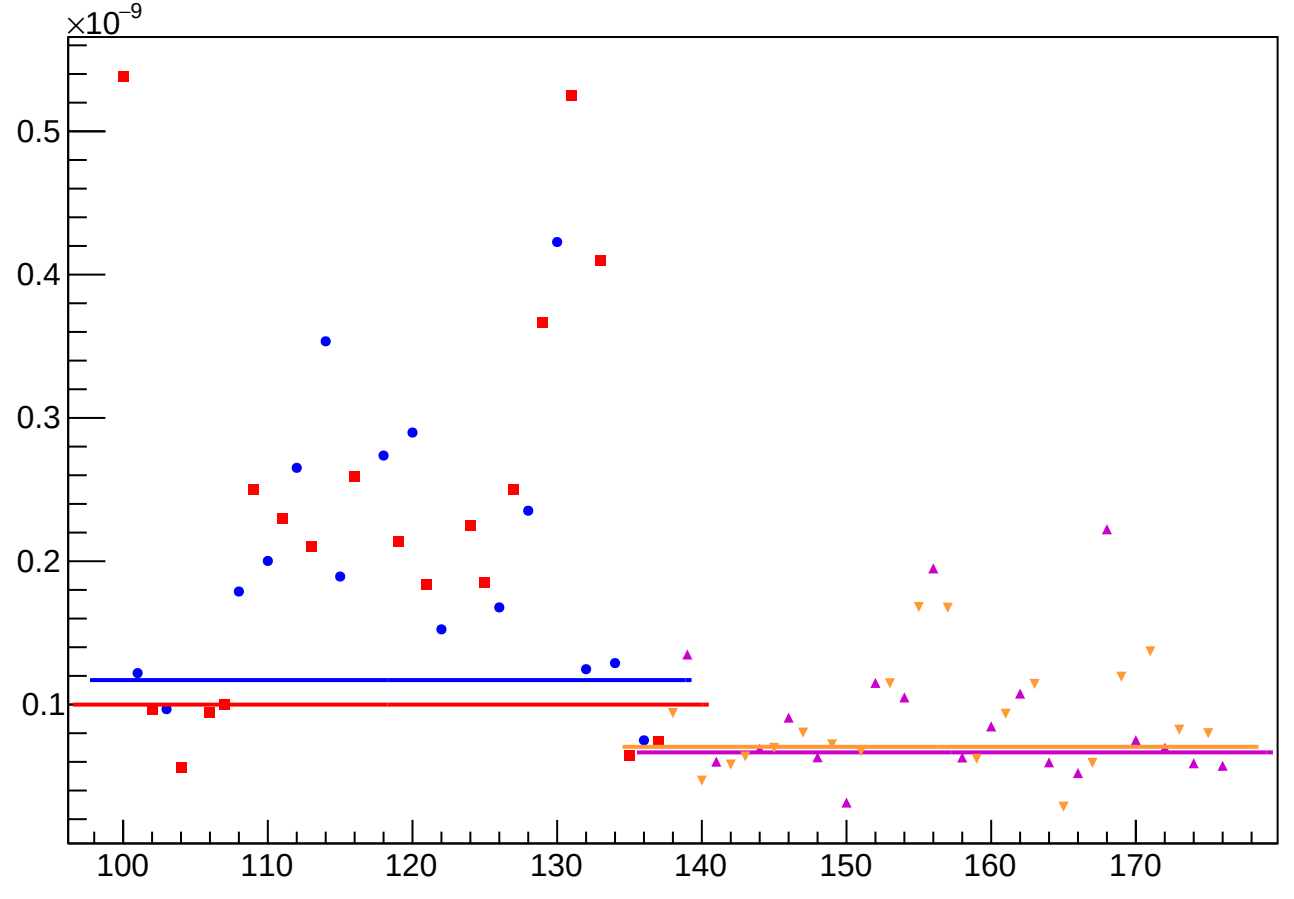
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4878.264+/-0.740 χ^2/NDF:1803095.3/34

Out: 4740.460+/-0.714 χ^2/NDF:1707311.3/38

All: 4806.899+/-0.513 χ^2/NDF: 3528388.1/73


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:28.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:23.0/18
Left: -0.000+/-0.000 χ²/NDF: 51.4/38
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:38.9/34
Out: -0.000+/-0.000 χ²/NDF:43.4/38
All: -0.000+/-0.000 χ²/NDF: 82.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1713645.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1828564.3/18

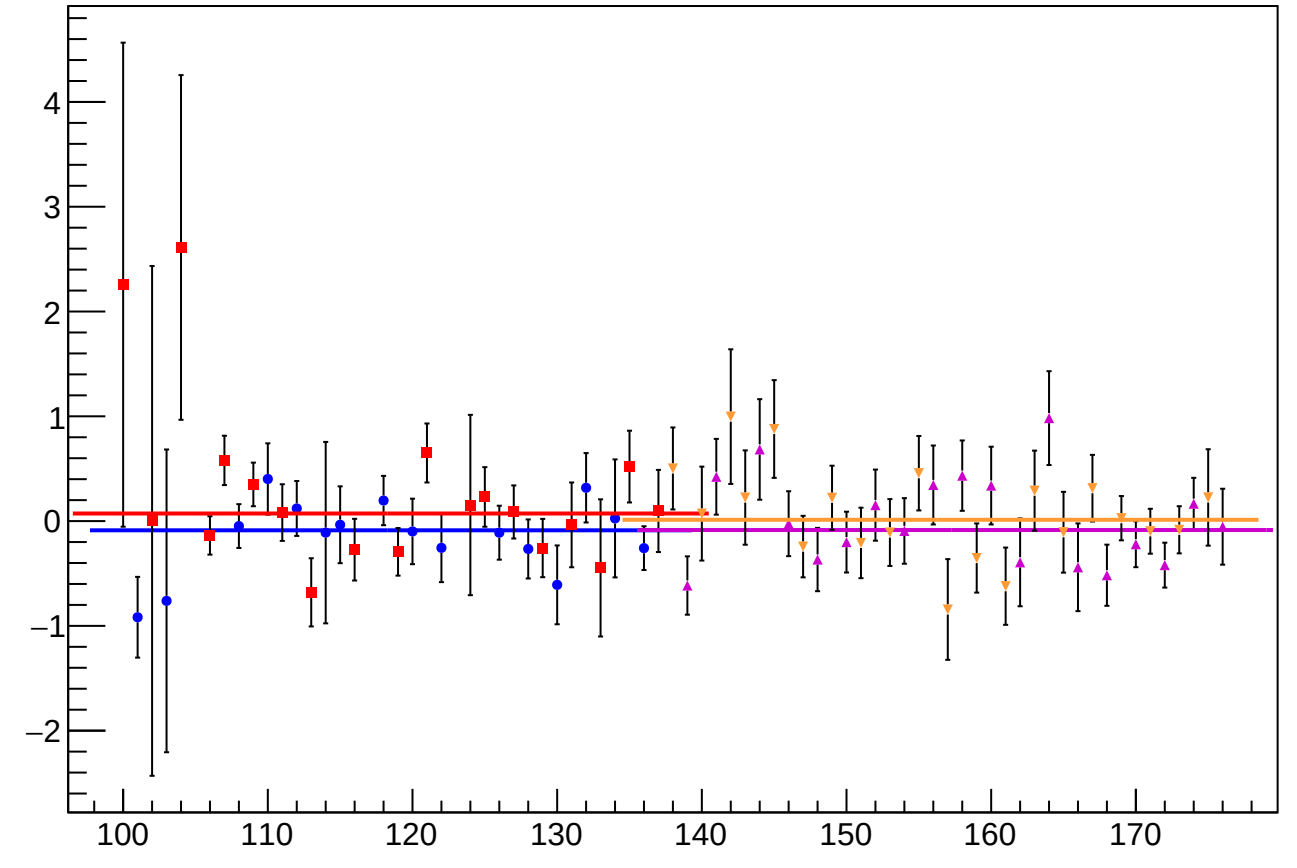
Left: 0.000+/-0.000 χ^2/NDF: 3558900.8/38

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3700793.7/34

Out: 0.000+/-0.000 χ^2/NDF:3837937.2/38

All: 0.000+/-0.000 χ^2/NDF: 7540848.4/73



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

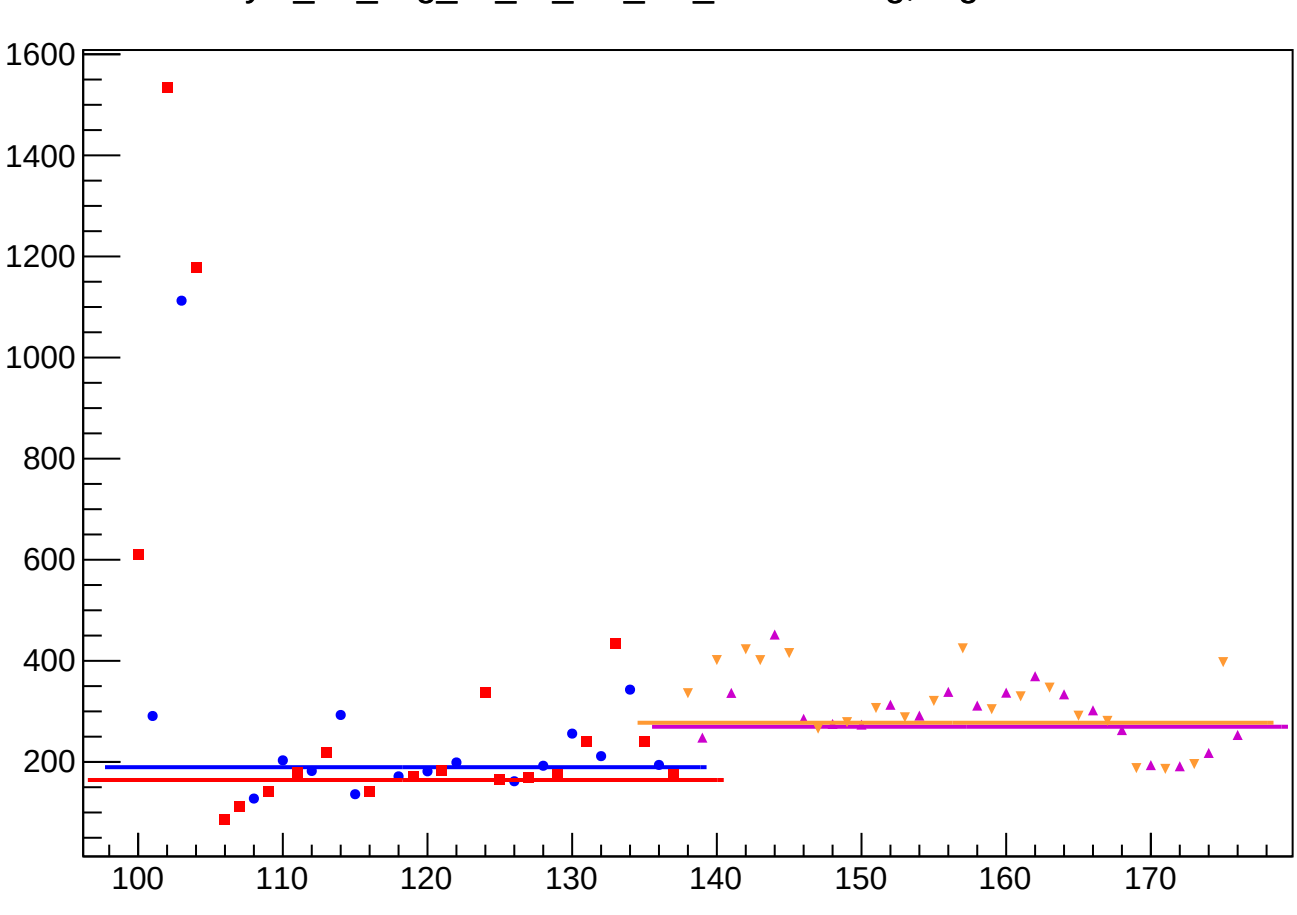
Left: -0.038+/-0.051 χ^2/NDF: 49.2/38

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.036 χ^2/NDF: 94.3/73



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

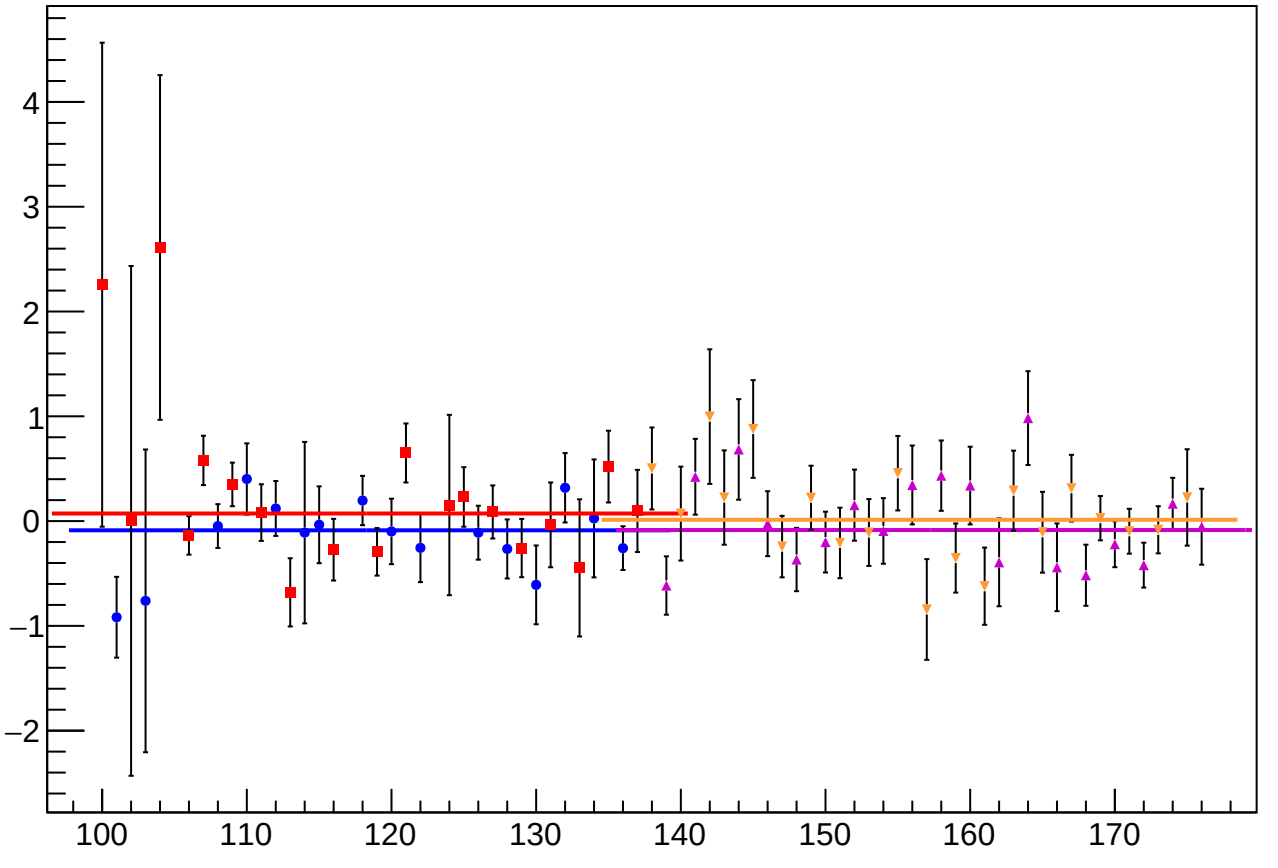
Left: 273.495+/-0.036 χ^2/NDF: 3469707.3/38

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.408+/-0.037 χ^2/NDF:3975586.6/34

Out: 218.199+/-0.036 χ^2/NDF:7244164.8/38

All: 225.071+/-0.026 χ^2/NDF: 11295772.1/73



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

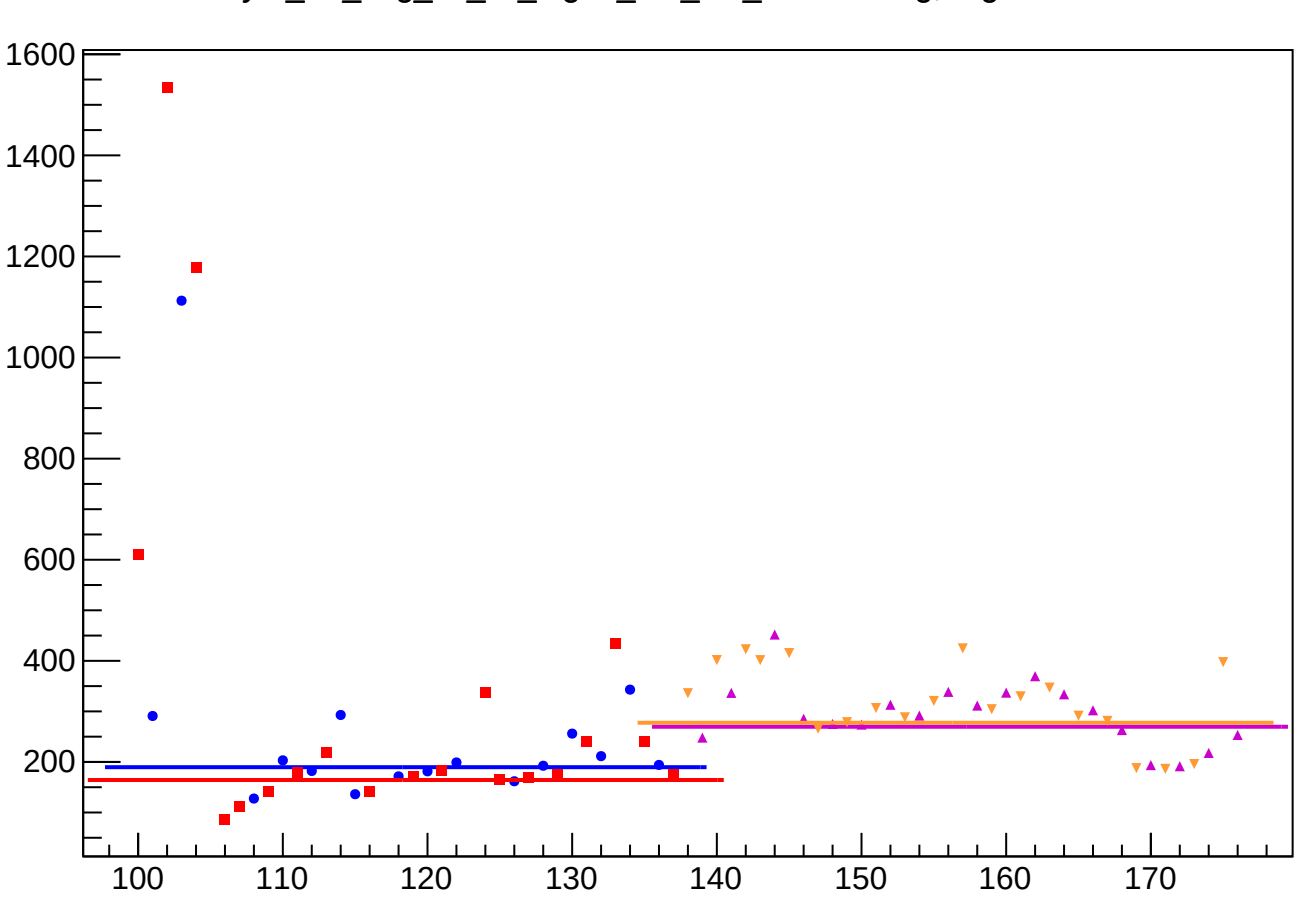
Left: -0.038+/-0.051 χ^2/NDF: 49.2/38

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.036 χ^2/NDF: 94.3/73



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.549+/-0.052 χ^2/NDF:2109312.8/19

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

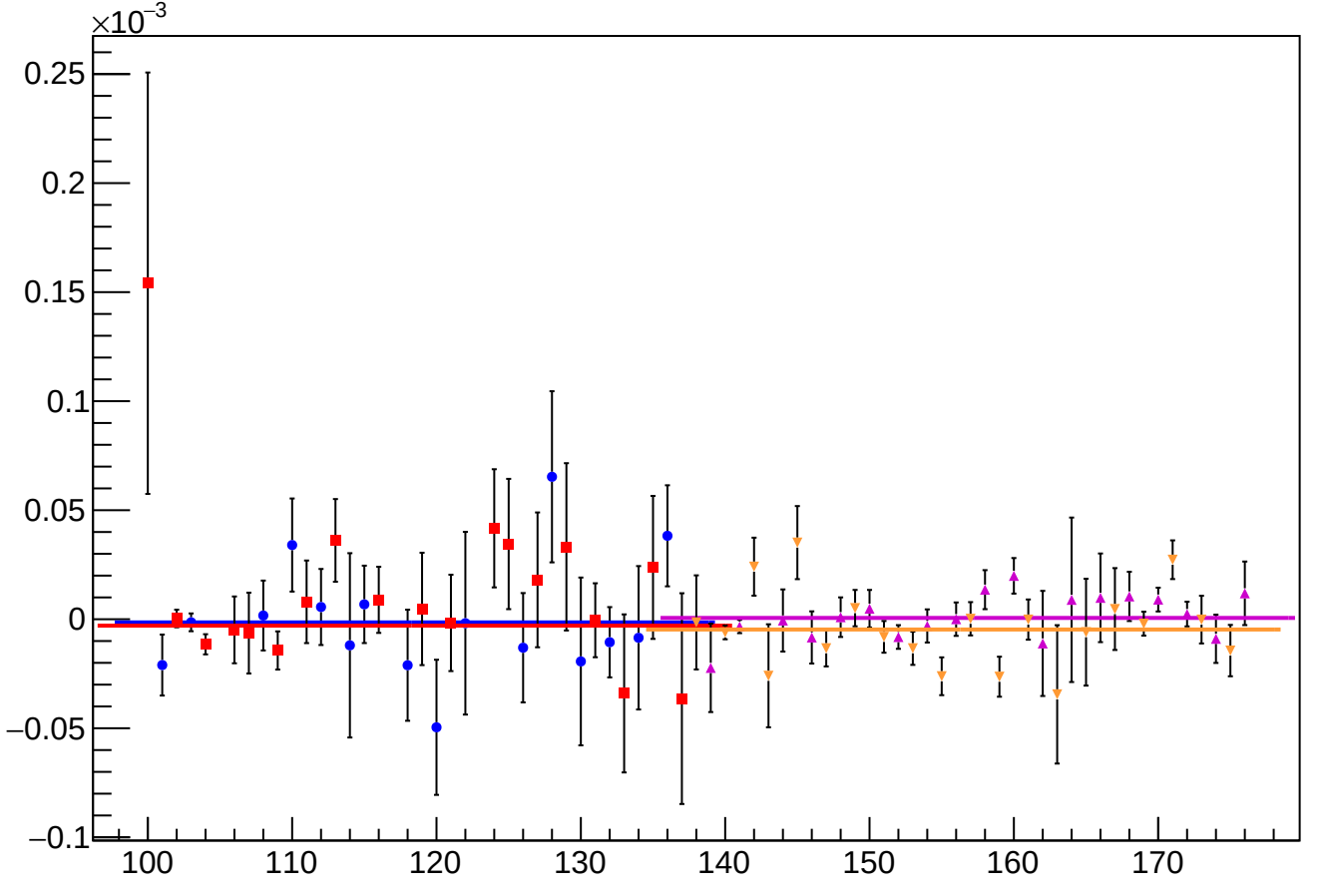
Left: 273.495+/-0.036 χ^2/NDF: 3469707.3/38

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.408+/-0.037 χ^2/NDF:3975586.6/34

Out: 218.199+/-0.036 χ^2/NDF:7244164.8/38

All: 225.071+/-0.026 χ^2/NDF: 11295772.1/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/18

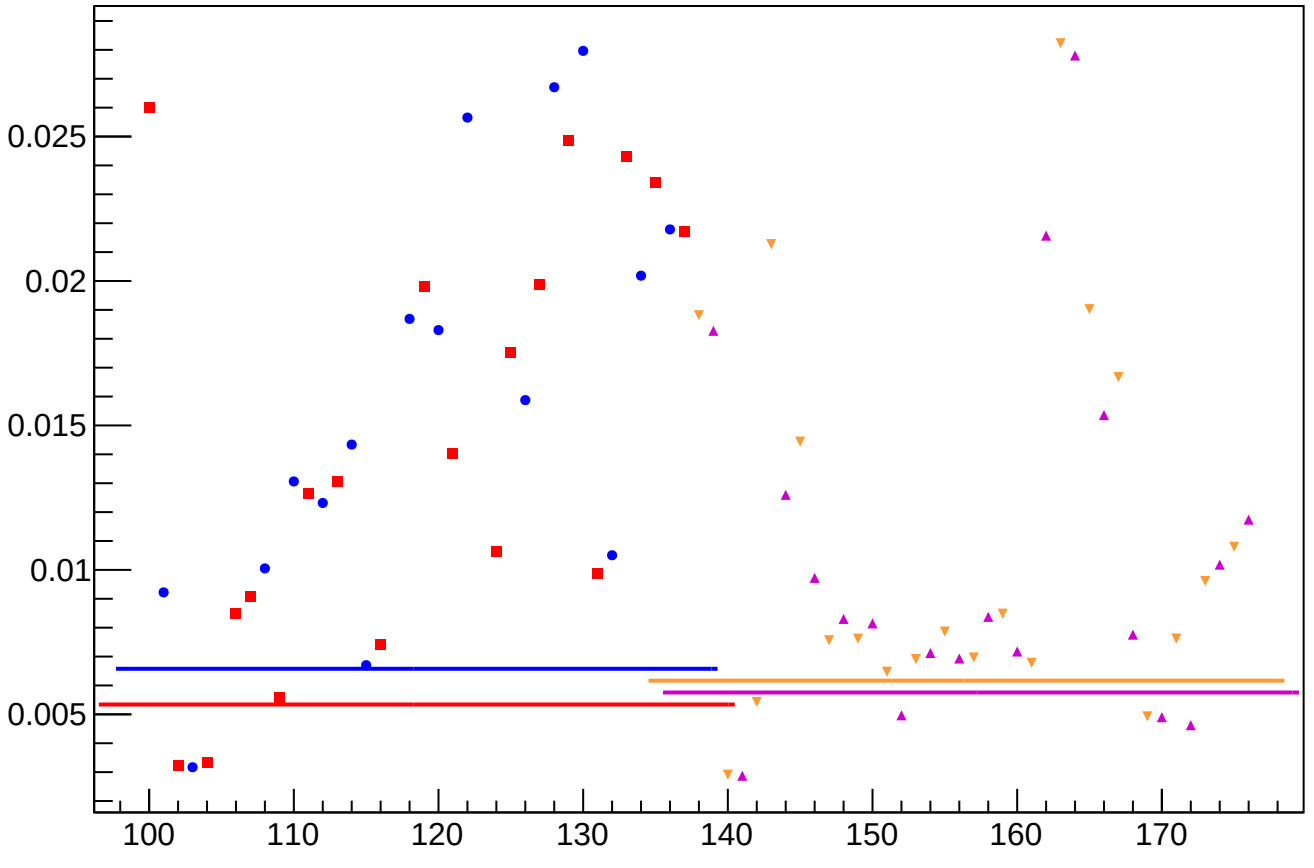
Left: -0.000+/-0.000 χ^2/NDF: 66.7/38

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:34.5/34

Out: -0.000+/-0.000 χ^2/NDF:64.5/38

All: -0.000+/-0.000 χ^2/NDF: 102.9/73



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:7288104.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6756837.4/18

Left: 0.006+/-0.000 χ^2/NDF: 14097868.6/38

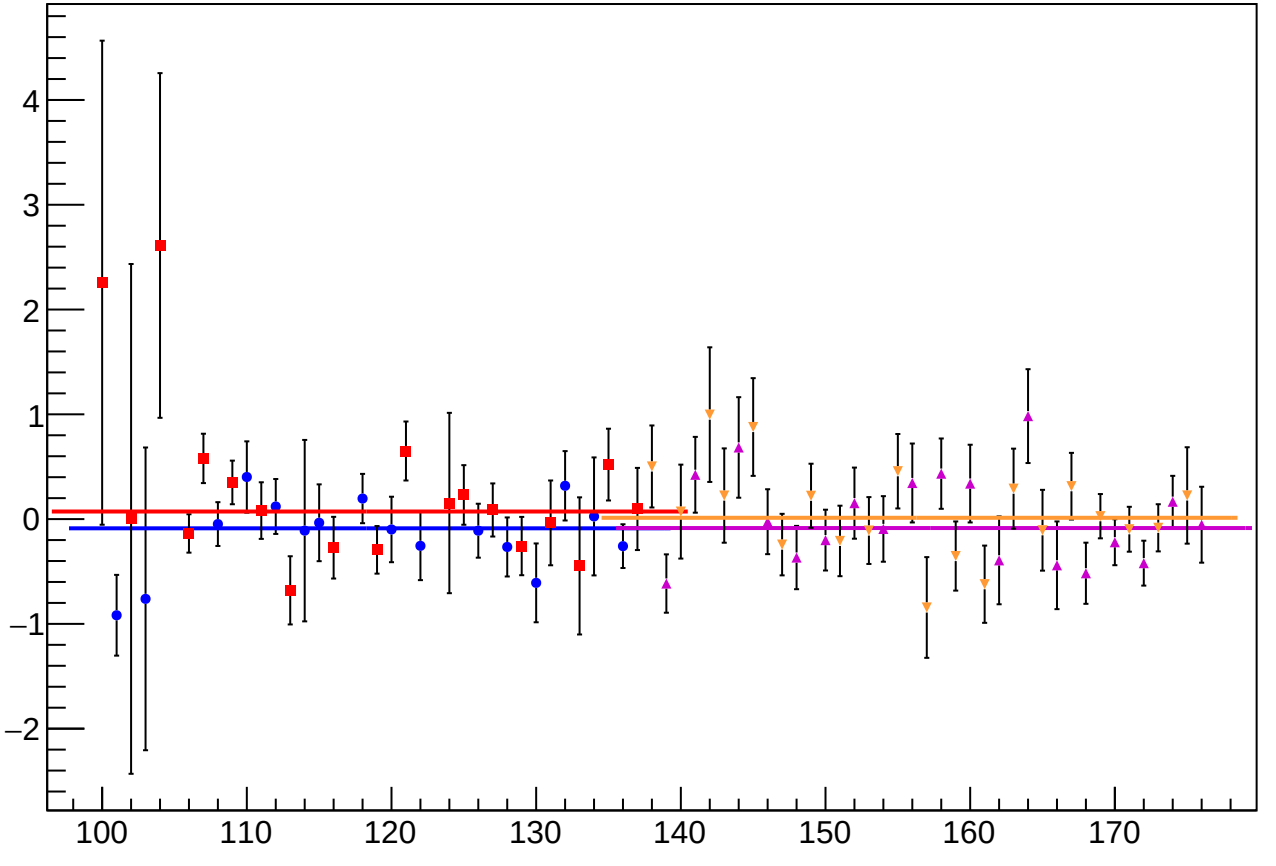
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12781364.9/34

Out: 0.006+/-0.000 χ^2/NDF:13111504.3/38

All: 0.006+/-0.000 χ^2/NDF: 25893759.4/73

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

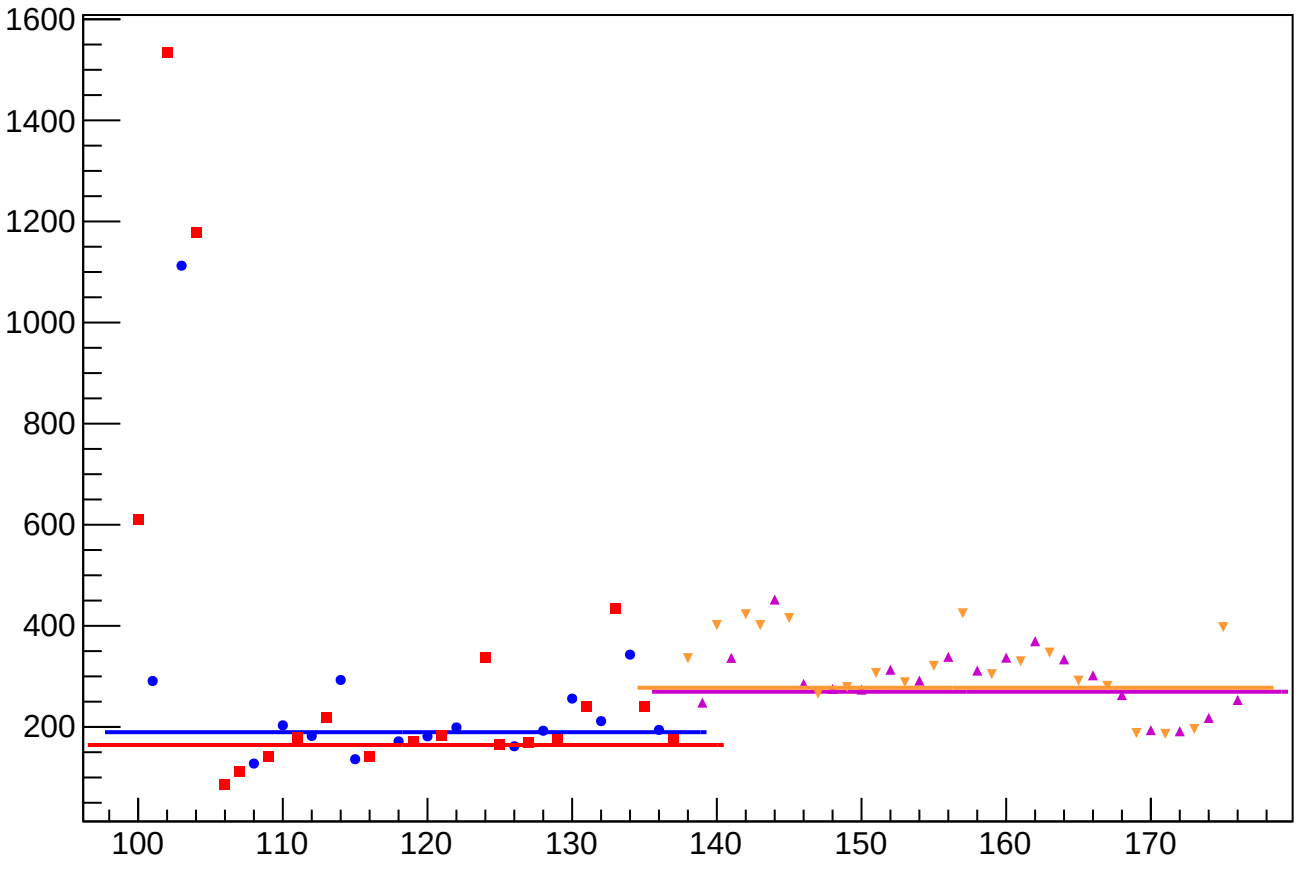
Left: -0.038+/-0.051 χ^2/NDF: 49.2/38

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.036 χ^2/NDF: 94.3/73



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.551+/-0.052 χ^2/NDF:2109399.6/19

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

Left: 273.497+/-0.036 χ^2/NDF: 3469846.0/38

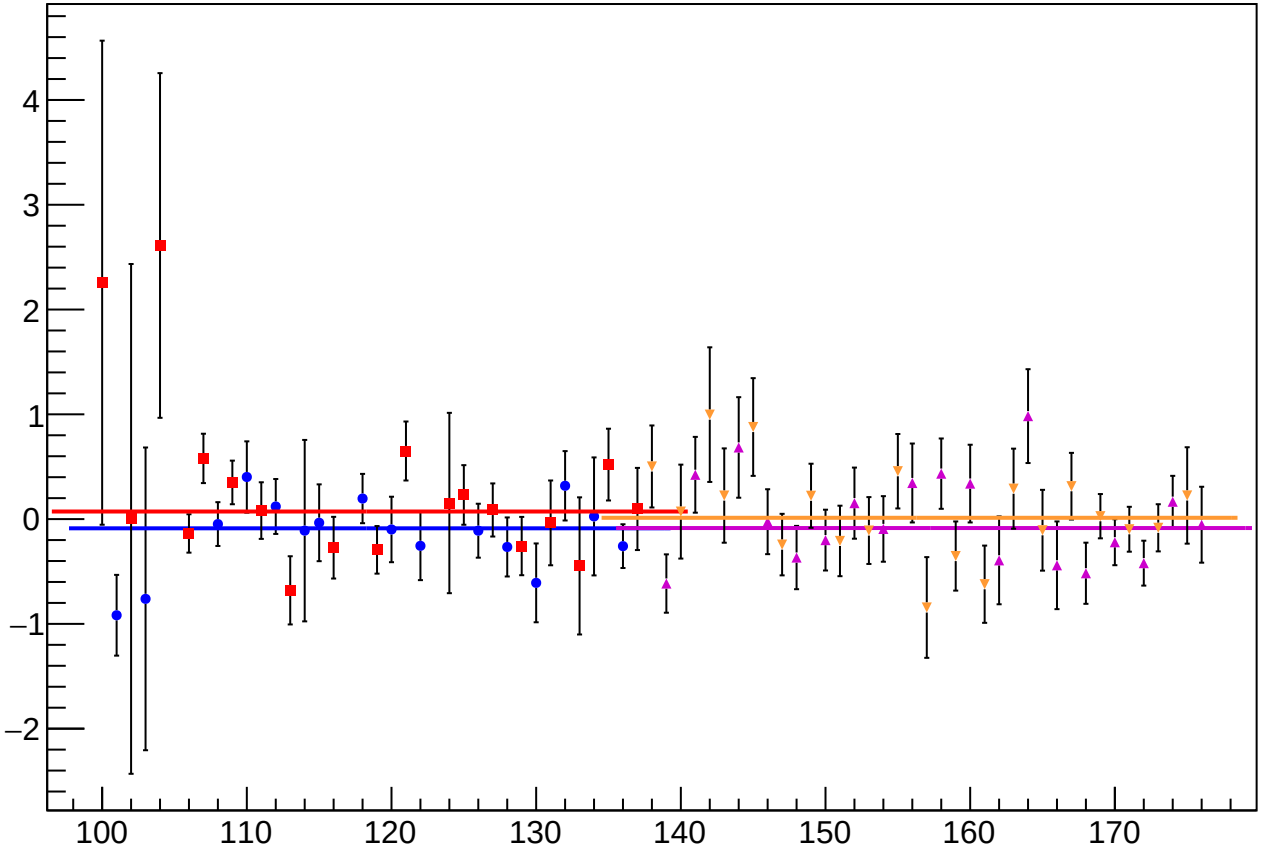
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.408+/-0.037 χ^2/NDF:3975713.9/34

Out: 218.199+/-0.036 χ^2/NDF:7244349.1/38

All: 225.071+/-0.026 χ^2/NDF: 11296089.5/73

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.073 χ^2/NDF:20.5/19

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

Left: -0.038+/-0.051 χ^2/NDF: 49.2/38

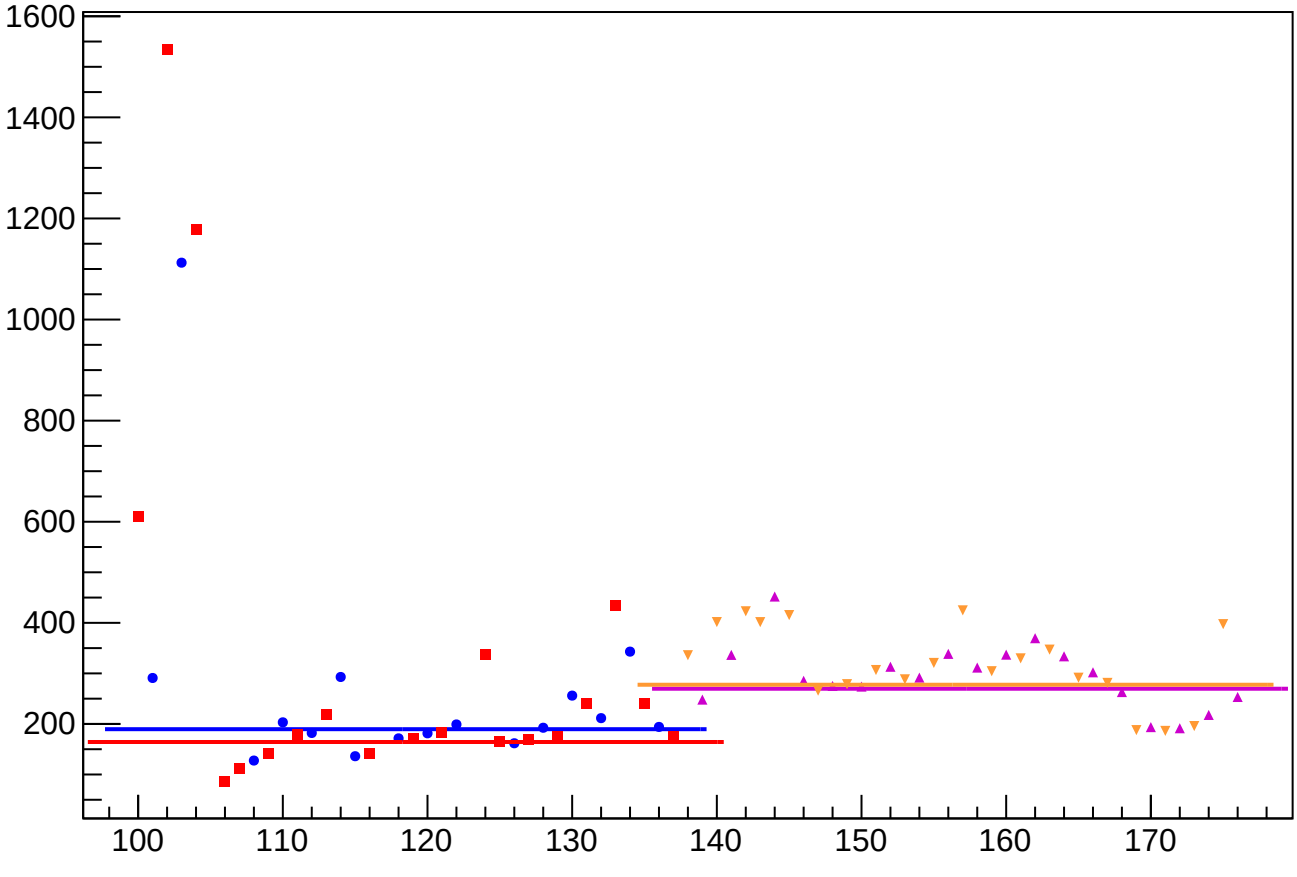
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.044+/-0.051 χ^2/NDF:49.5/38

All: -0.019+/-0.036 χ^2/NDF: 94.3/73

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: 277.551+/-0.052 χ^2/NDF:2109399.6/19

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

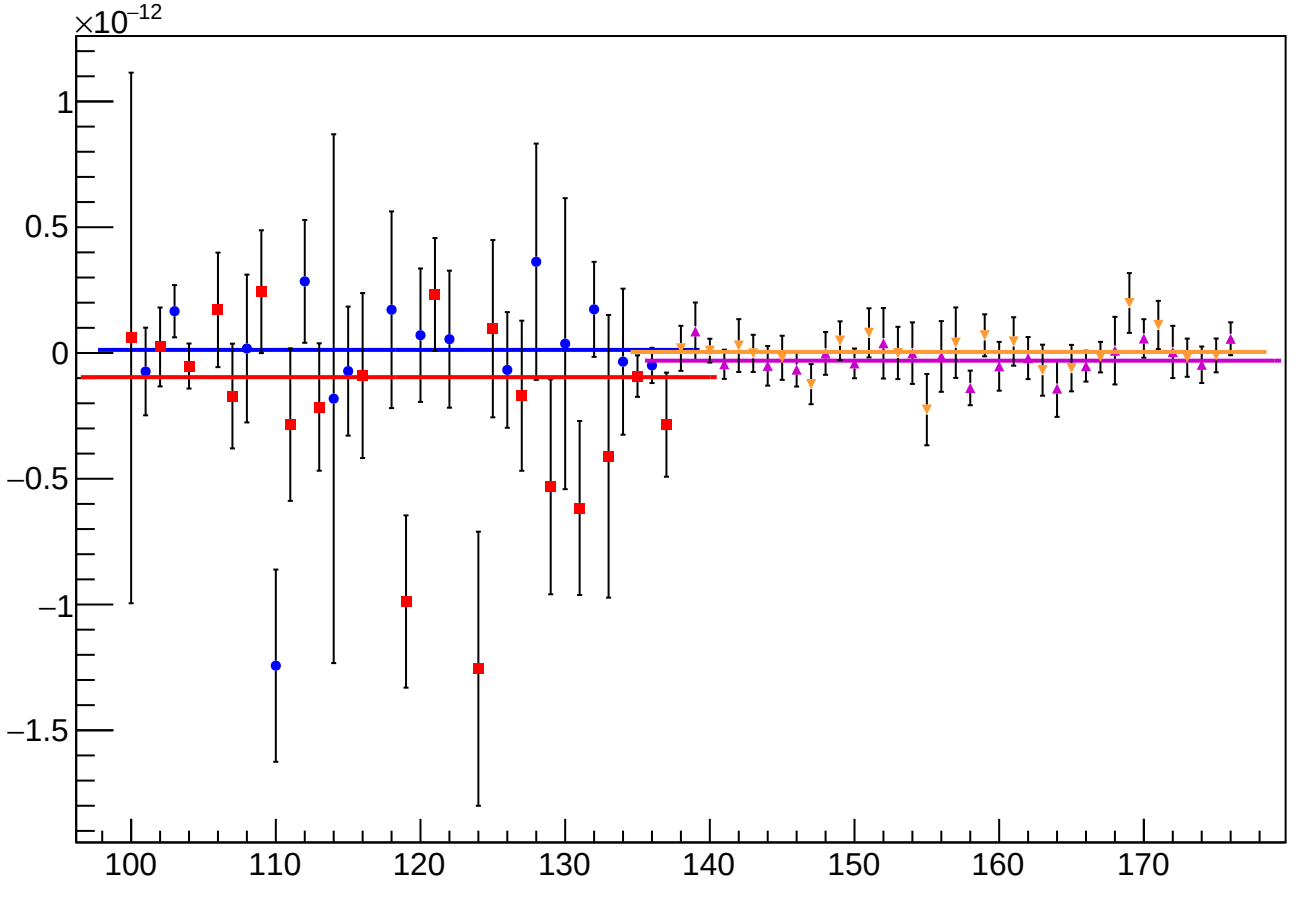
Left: 273.497+/-0.036 χ^2/NDF: 3469846.0/38

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.408+/-0.037 χ^2/NDF:3975713.9/34

Out: 218.199+/-0.036 χ^2/NDF:7244349.1/38

All: 225.071+/-0.026 χ^2/NDF: 11296089.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/18

Left: -0.000+/-0.000 χ^2/NDF: 23.0/38

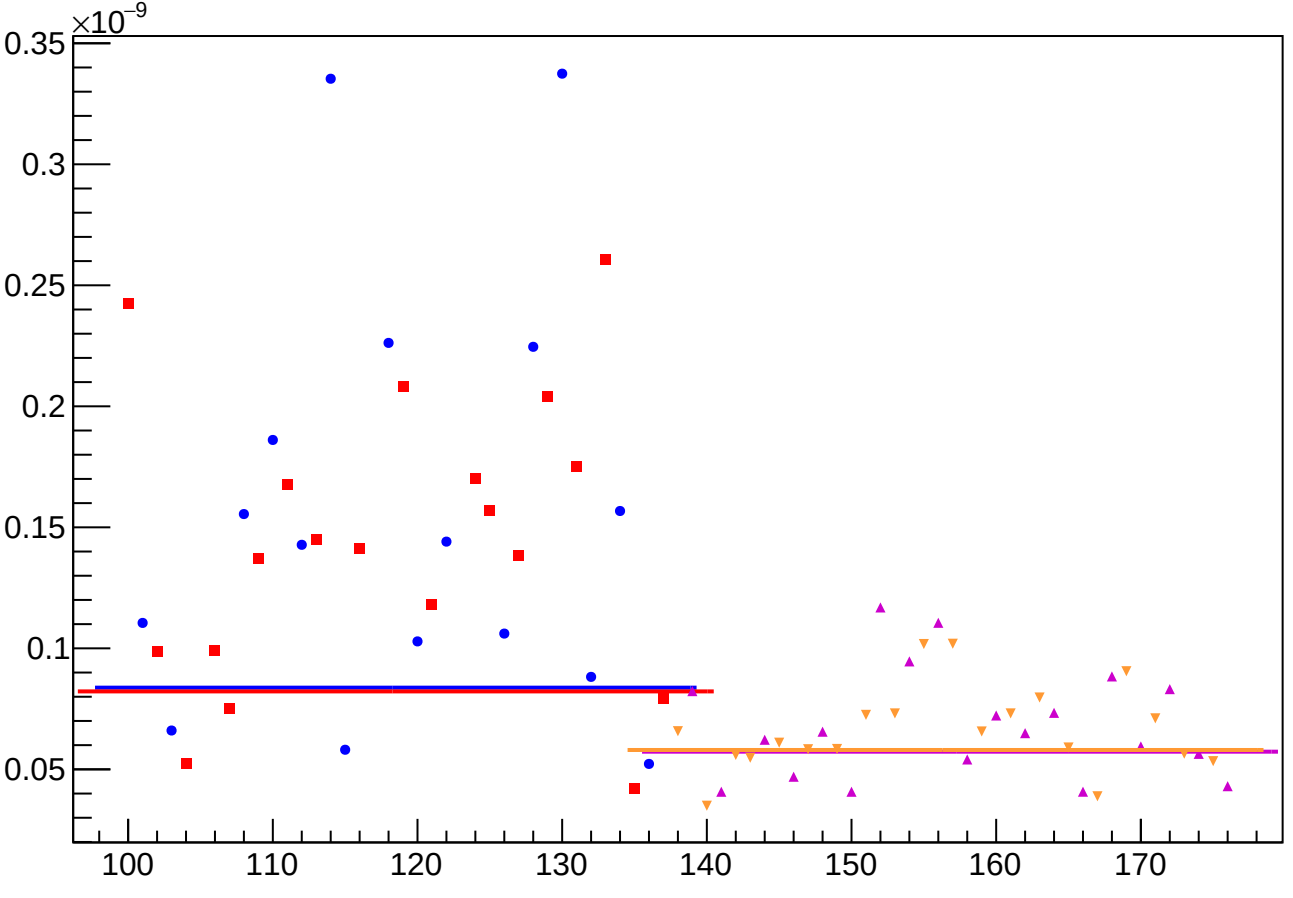
Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/34

Out: -0.000+/-0.000 χ^2/NDF:39.8/38

All: -0.000+/-0.000 χ^2/NDF: 66.9/73

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521046.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1904540.9/18

Left: 0.000+/-0.000 χ^2/NDF: 3427006.7/38

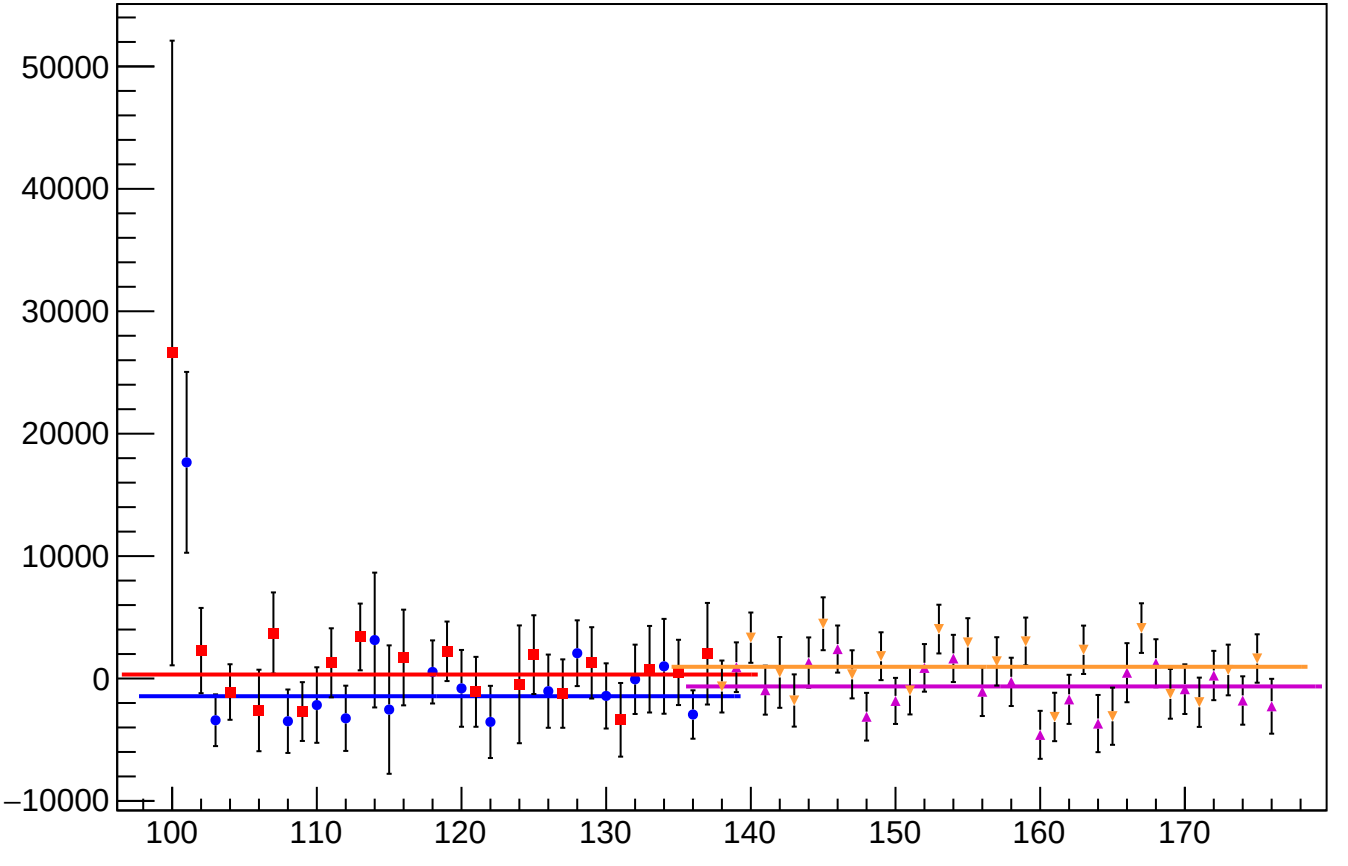
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4591327.6/34

Out: 0.000+/-0.000 χ^2/NDF:4292372.1/38

All: 0.000+/-0.000 χ^2/NDF: 8884458.9/73

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.318+/-459.461 χ^2/NDF:25.7/19

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -646.915+/-463.345 χ^2/NDF:16.4/18

Left: 161.953+/-326.252 χ^2/NDF: 48.1/38

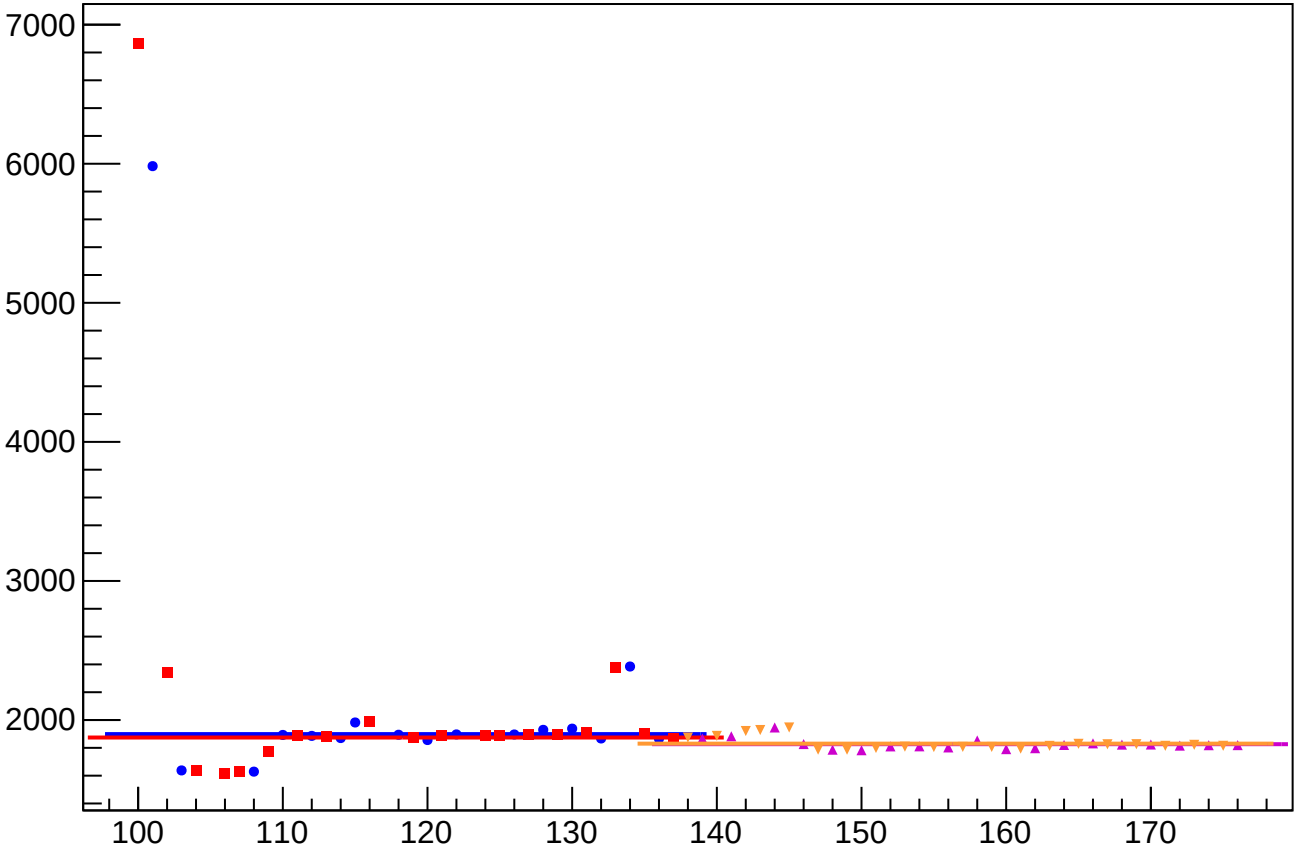
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -879.652+/-390.131 χ^2/NDF:30.8/34

Out: 768.201+/-384.546 χ^2/NDF:36.2/38

All: -43.846+/-273.868 χ^2/NDF: 76.0/73

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

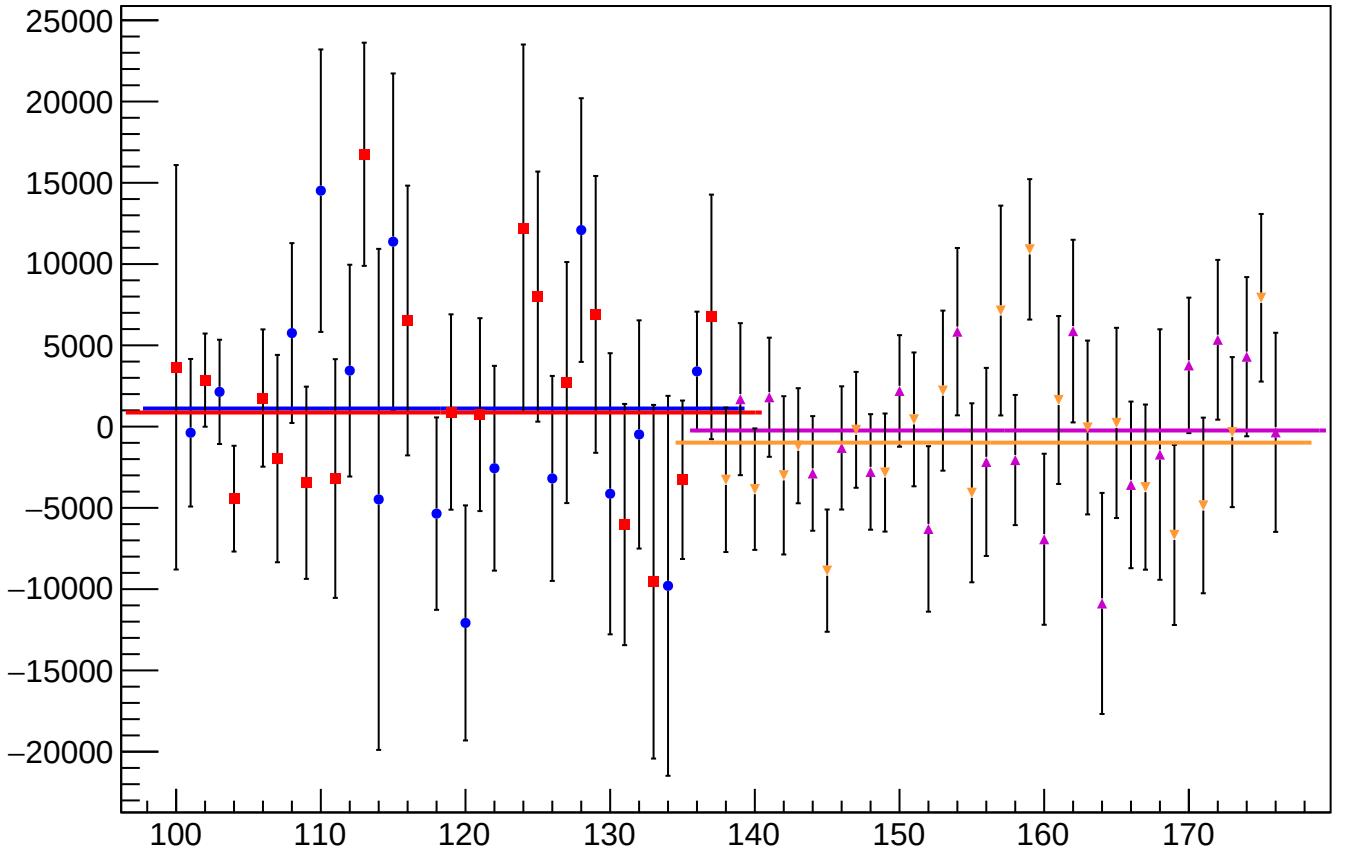
Left: 1828.267+/-0.231 χ^2/NDF: 32330.0/38

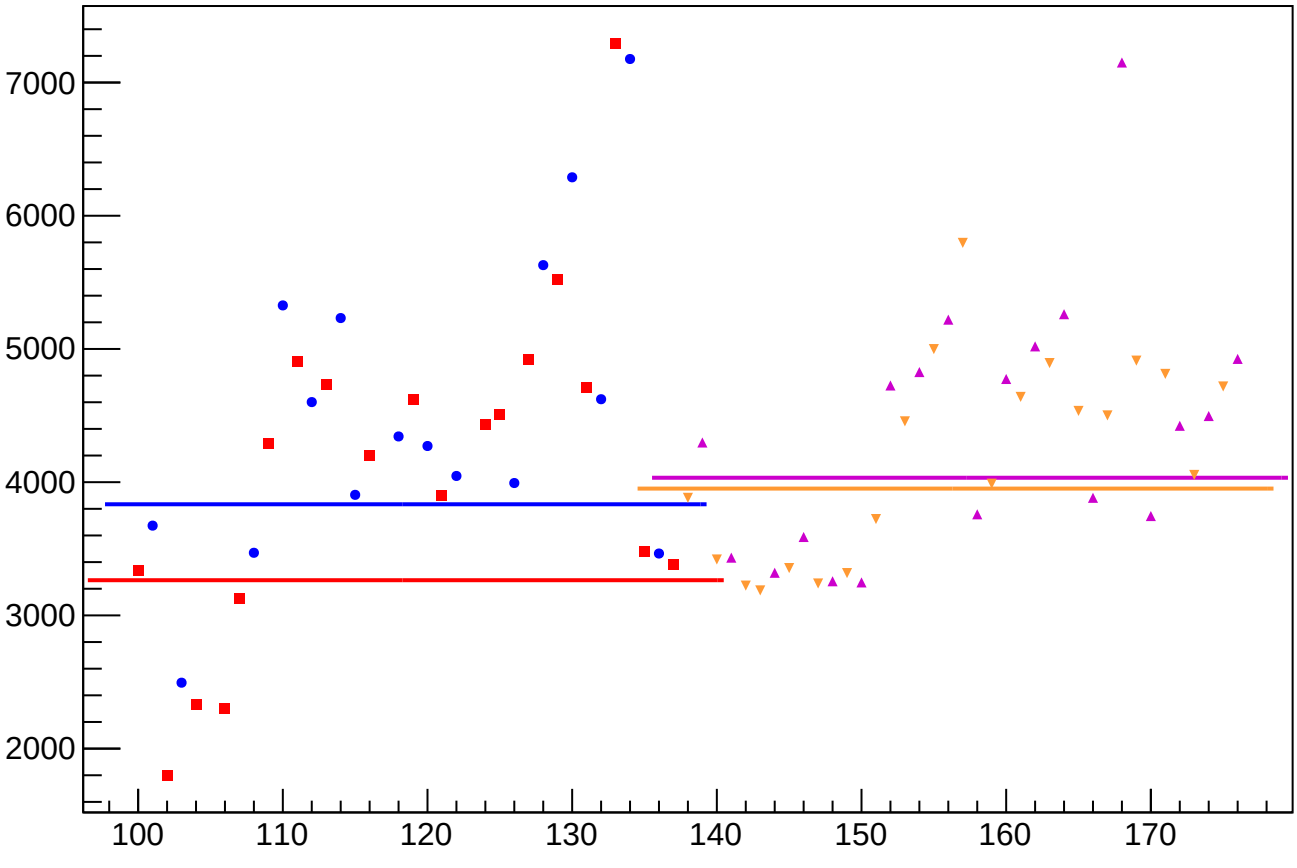
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1847.398+/-0.276 χ^2/NDF:725053.8/34

Out: 1843.468+/-0.272 χ^2/NDF:232172.2/38

All: 1845.403+/-0.194 χ^2/NDF: 957329.1/73


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: -985.987+/-1014.364 χ²/NDF:20.9/19
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -238.748+/-1045.755 χ²/NDF:14.1/18
Left: -623.751+/-728.108 χ²/NDF: 35.2/38
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 211.596+/-853.922 χ²/NDF:28.0/34
Out: -289.589+/-801.392 χ²/NDF:37.8/38
All: -54.885+/-584.358 χ²/NDF: 66.0/73



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3951.885+/-0.717 χ^2/NDF:929970.2/19

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4033.267+/-0.739 χ^2/NDF:1125537.5/18

Left: 3991.336+/-0.515 χ^2/NDF: 2061748.3/38

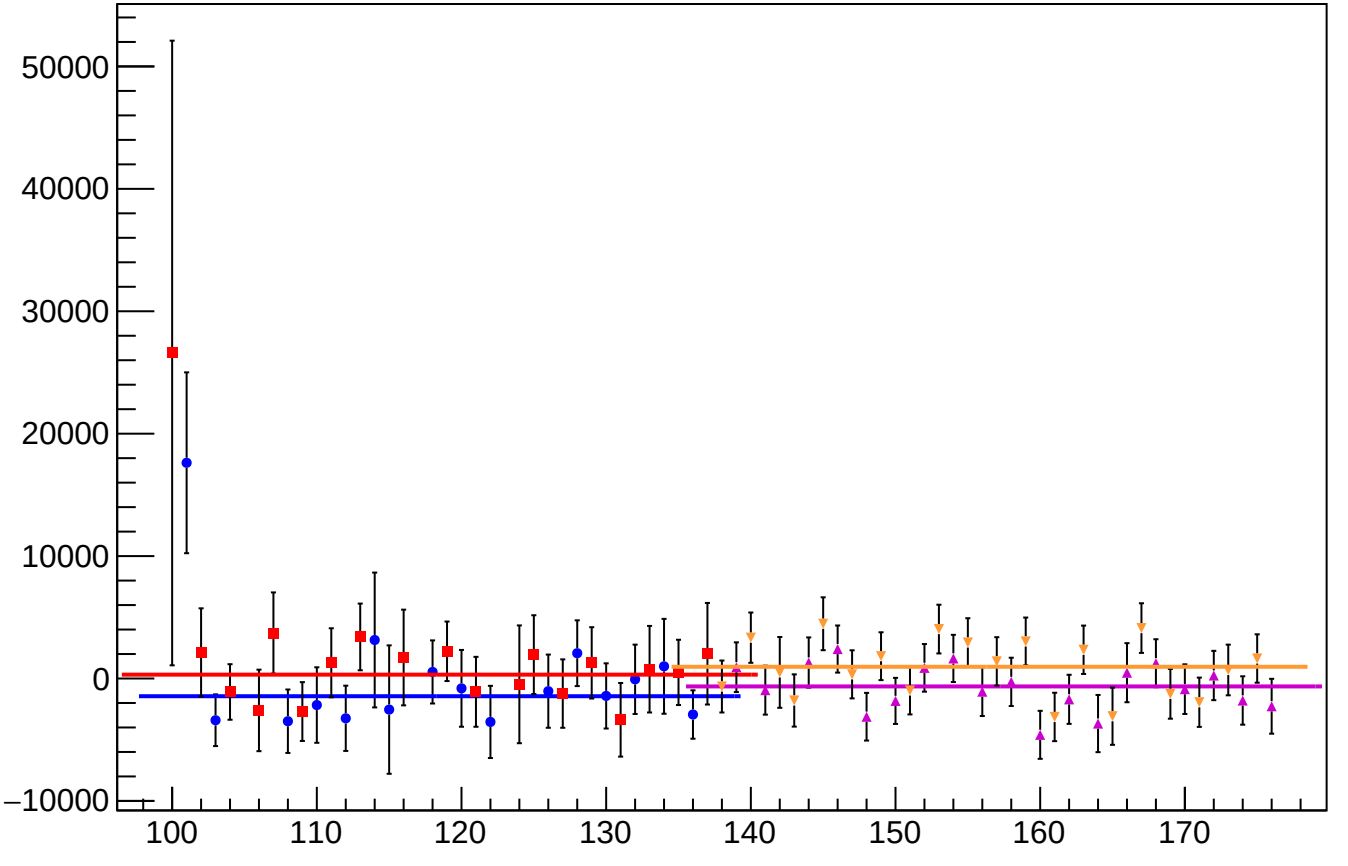
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3966.920+/-0.604 χ^2/NDF:2106471.6/34

Out: 3693.399+/-0.567 χ^2/NDF:3139774.0/38

All: 3821.488+/-0.413 χ^2/NDF: 5355349.8/73

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -646.825+/-463.345 χ^2/NDF:16.4/18

Left: 162.040+/-326.252 χ^2/NDF: 48.1/38

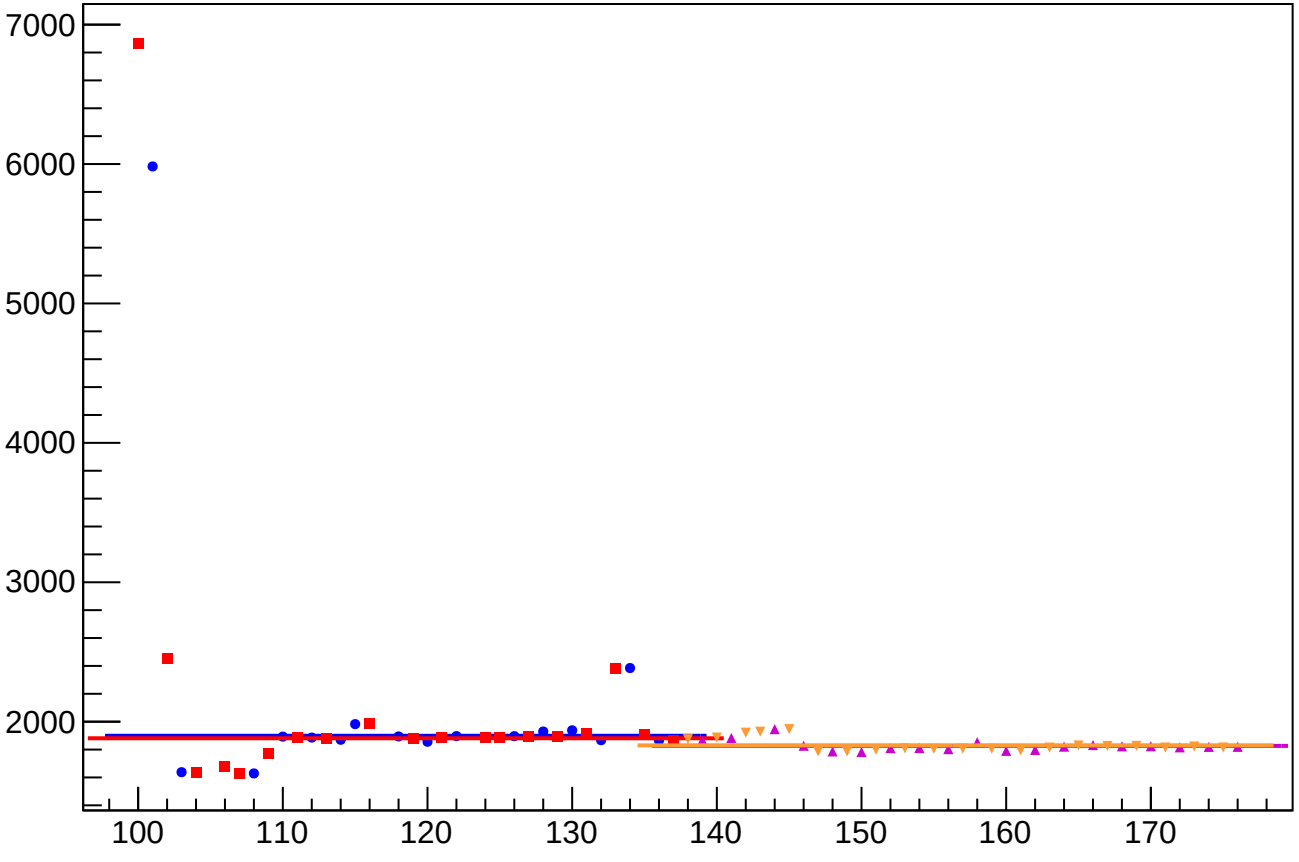
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -879.700+/-390.131 χ^2/NDF:30.7/34

Out: 765.494+/-384.701 χ^2/NDF:36.2/38

All: -45.574+/-273.924 χ^2/NDF: 75.9/73

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

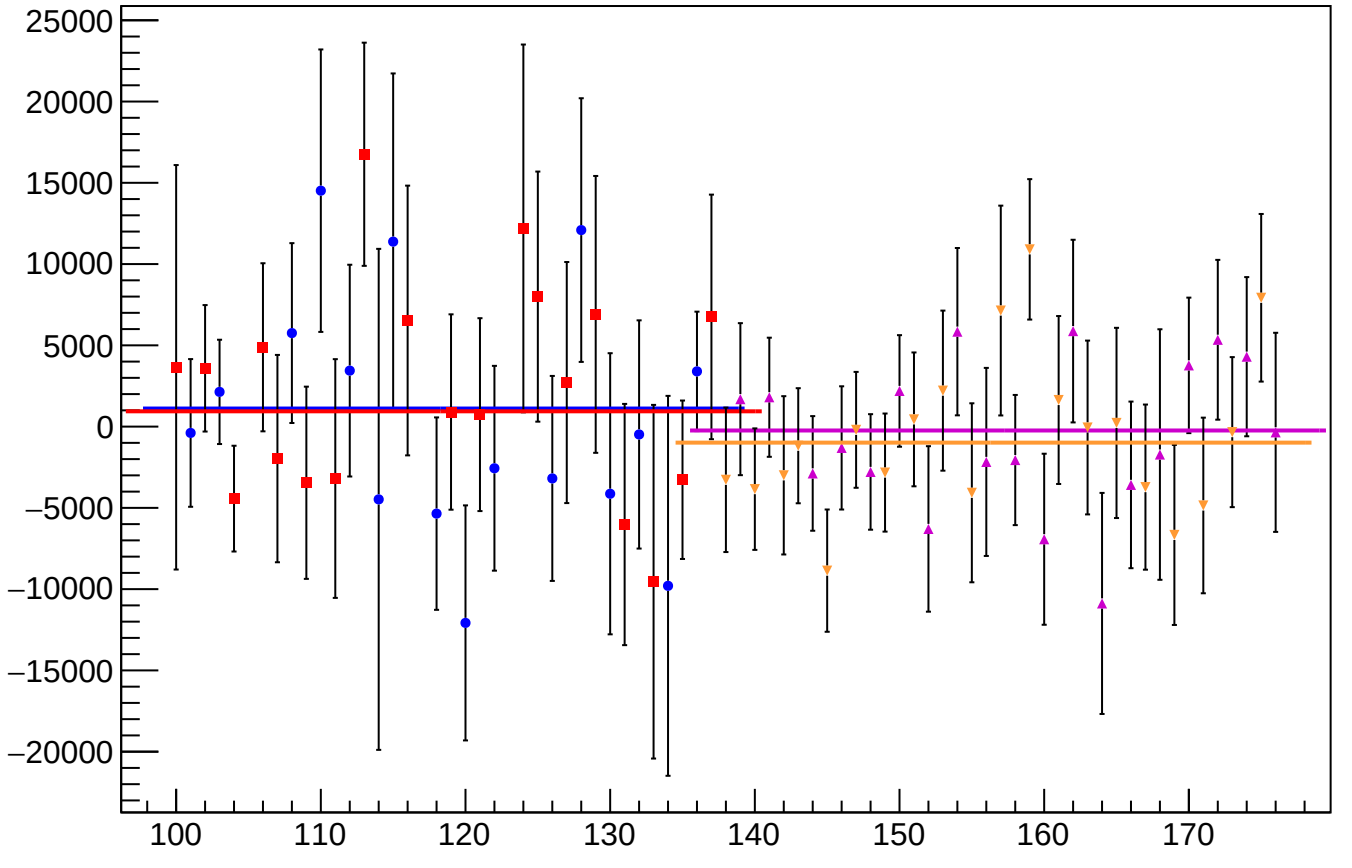
Left: 1828.267+/-0.231 χ^2/NDF: 32330.0/38

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1847.398+/-0.276 χ^2/NDF:725053.9/34

Out: 1845.433+/-0.272 χ^2/NDF:242872.5/38

All: 1846.401+/-0.194 χ^2/NDF: 967952.1/73



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -238.765+/-1045.753 χ^2/NDF:14.1/18

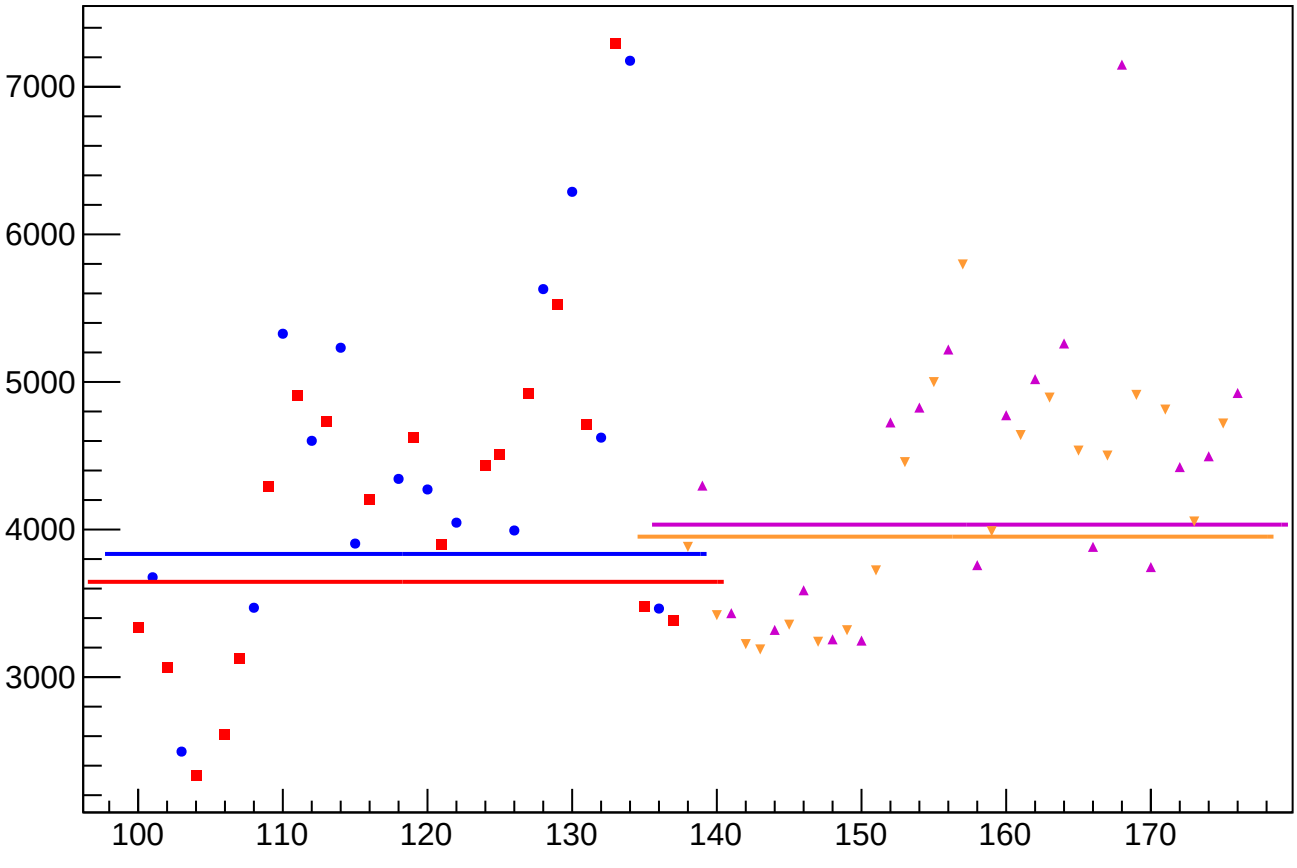
Left: -623.759+/-728.107 χ^2/NDF: 35.2/38

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 211.124+/-853.954 χ^2/NDF:28.0/34

Out: -322.099+/-821.213 χ^2/NDF:38.4/38

All: -65.906+/-591.922 χ^2/NDF: 66.5/73



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

Left: 3991.331+/-0.515 χ^2/NDF: 2061755.0/38

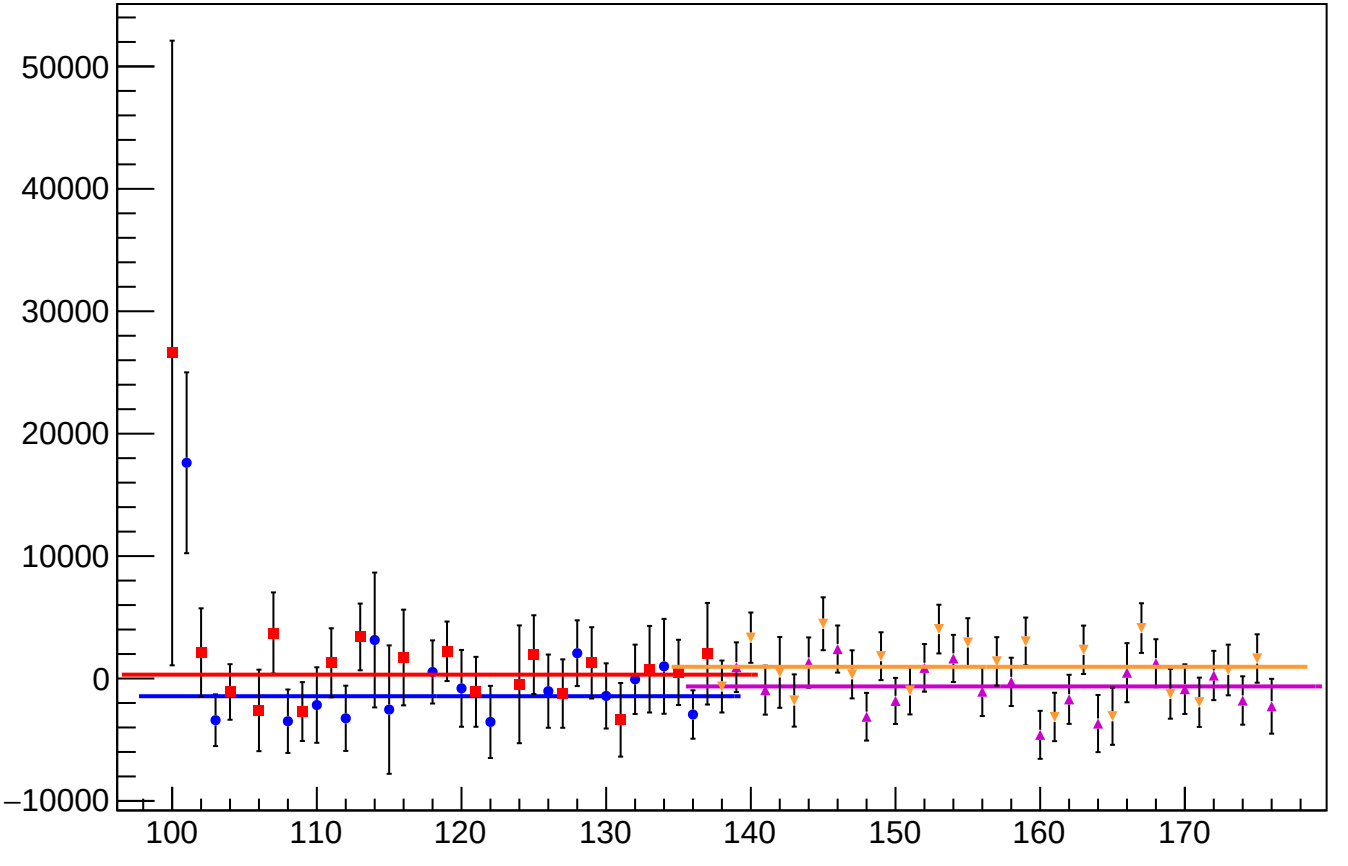
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3967.101+/-0.604 χ^2/NDF:2105888.9/34

Out: 3846.376+/-0.581 χ^2/NDF:2117738.2/38

All: 3904.380+/-0.419 χ^2/NDF: 4244393.9/73

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 957.402+/-459.461 χ^2/NDF:25.7/19

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -646.825+/-463.345 χ^2/NDF:16.4/18

Left: 162.040+/-326.252 χ^2/NDF: 48.1/38

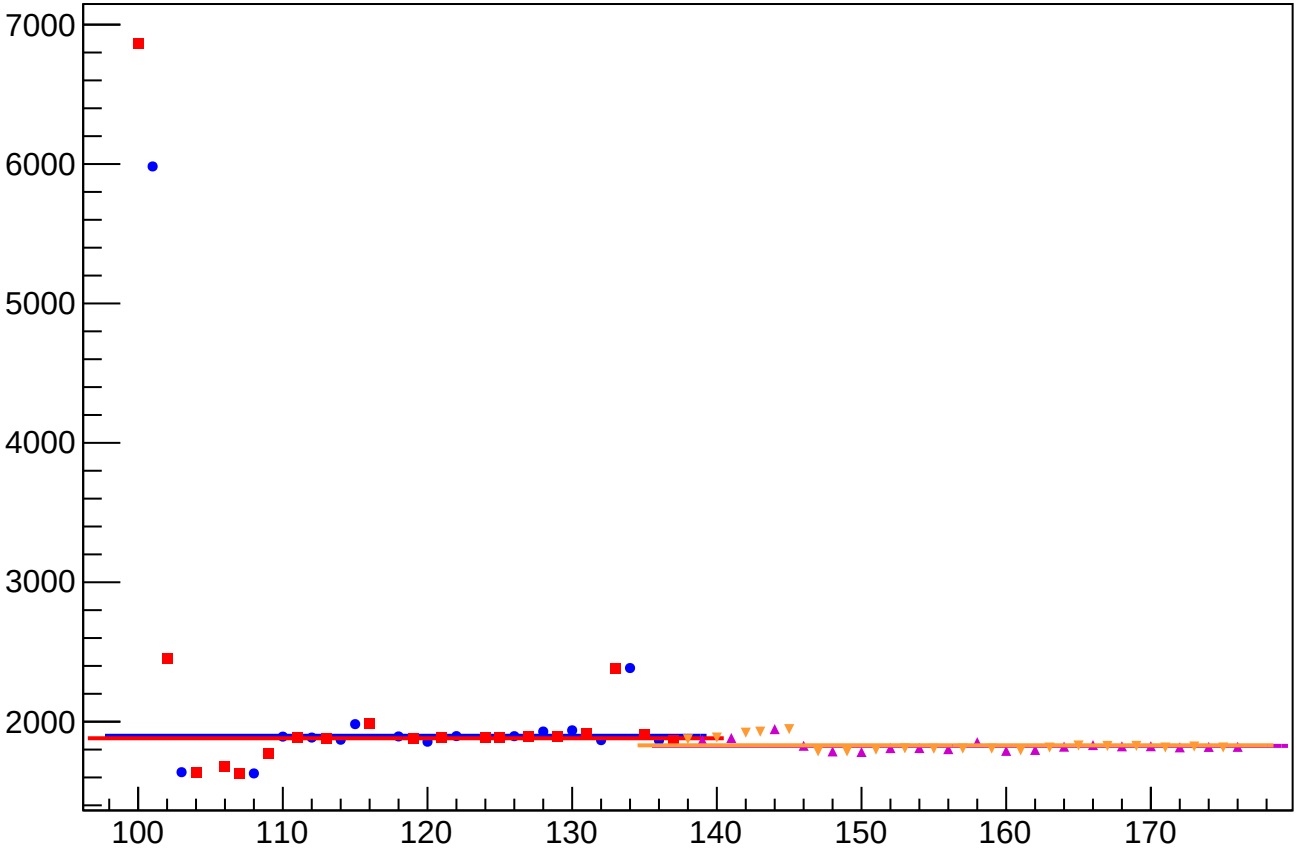
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -879.700+/-390.131 χ^2/NDF:30.7/34

Out: 765.494+/-384.701 χ^2/NDF:36.2/38

All: -45.574+/-273.924 χ^2/NDF: 75.9/73

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1830.216+/-0.325 χ^2/NDF:18986.0/19

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

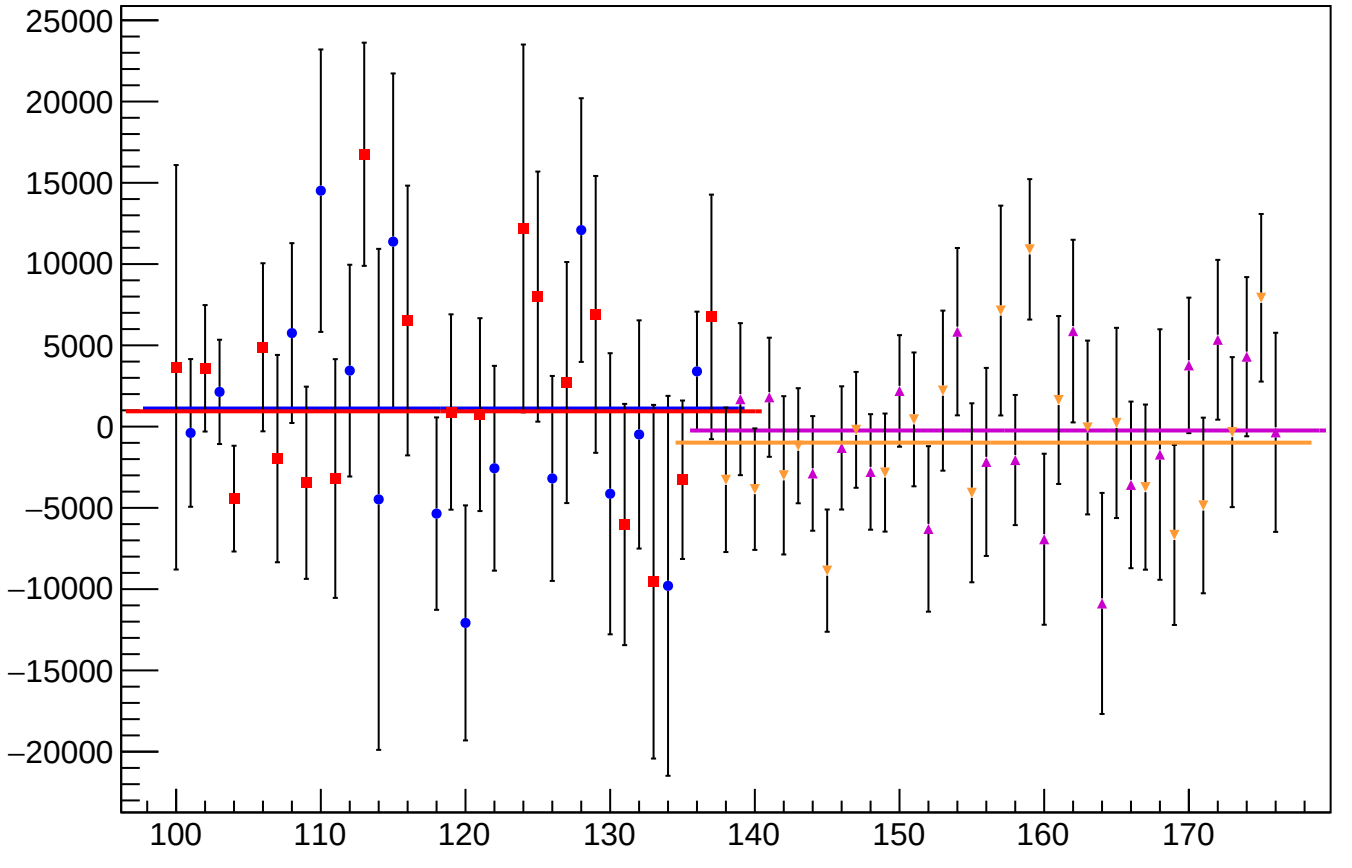
Left: 1828.267+/-0.231 χ^2/NDF: 32330.0/38

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1847.398+/-0.276 χ^2/NDF:725053.9/34

Out: 1845.433+/-0.272 χ^2/NDF:242872.5/38

All: 1846.401+/-0.194 χ^2/NDF: 967952.1/73



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -985.986+/-1014.363 χ^2/NDF:20.9/19

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -238.765+/-1045.753 χ^2/NDF:14.1/18

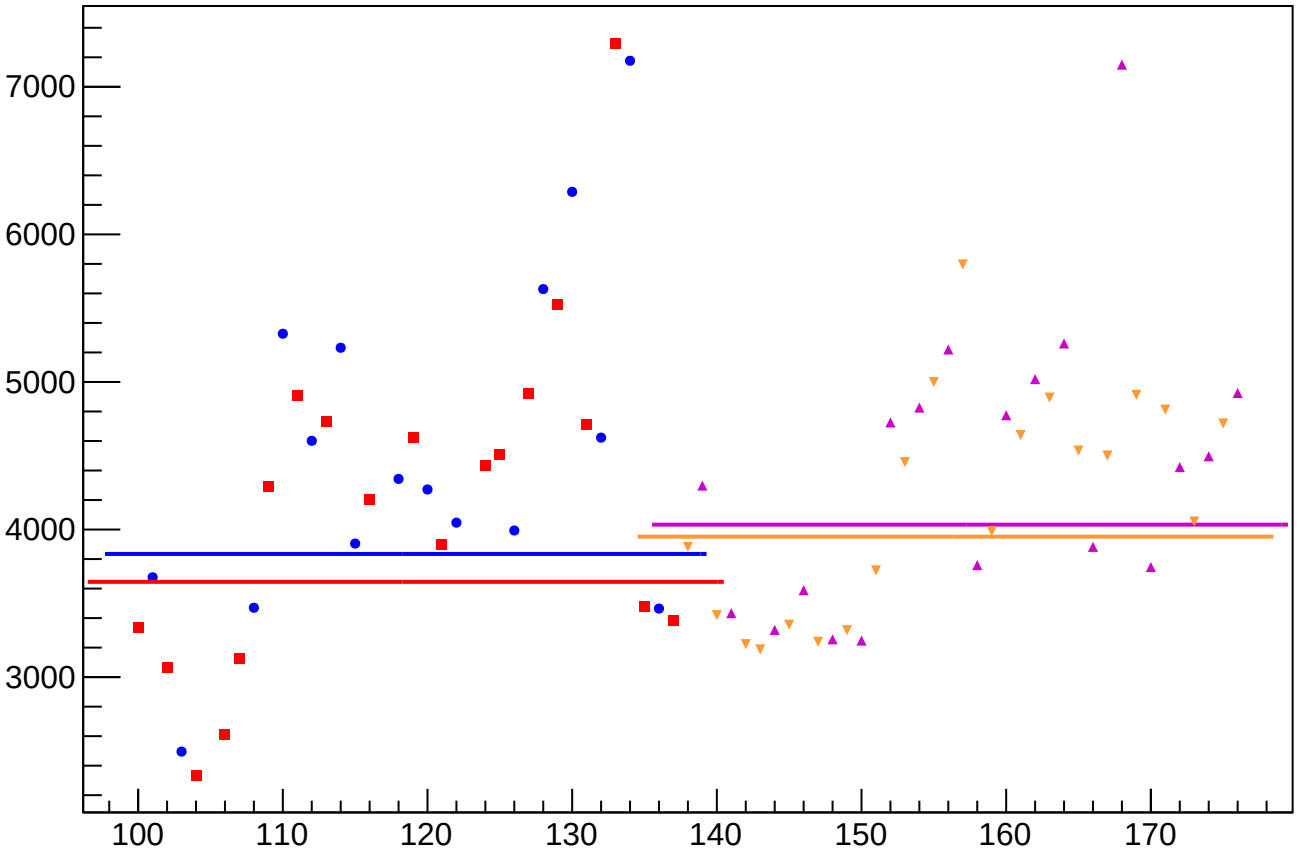
Left: -623.759+/-728.107 χ^2/NDF: 35.2/38

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 211.124+/-853.954 χ^2/NDF:28.0/34

Out: -322.099+/-821.213 χ^2/NDF:38.4/38

All: -65.906+/-591.922 χ^2/NDF: 66.5/73



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3951.882+/-0.717 χ^2/NDF:929963.7/19

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

Left: 3991.331+/-0.515 χ^2/NDF: 2061755.0/38

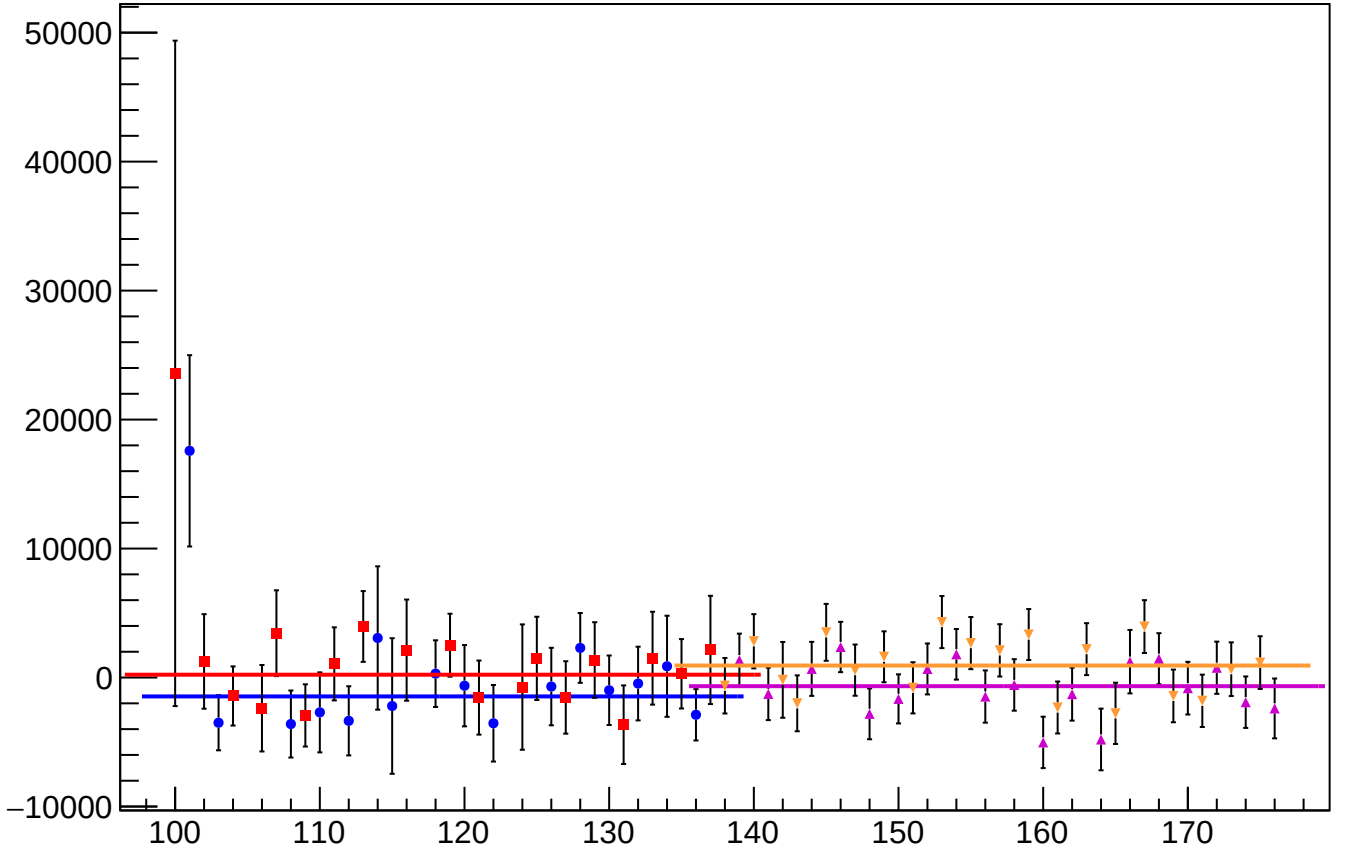
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3967.101+/-0.604 χ^2/NDF:2105888.9/34

Out: 3846.376+/-0.581 χ^2/NDF:2117738.2/38

All: 3904.380+/-0.419 χ^2/NDF: 4244393.9/73

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.098+/-466.706 χ^2/NDF:21.7/19

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -669.686+/-470.412 χ^2/NDF:18.6/18

Left: 136.532+/-331.313 χ^2/NDF: 46.1/38

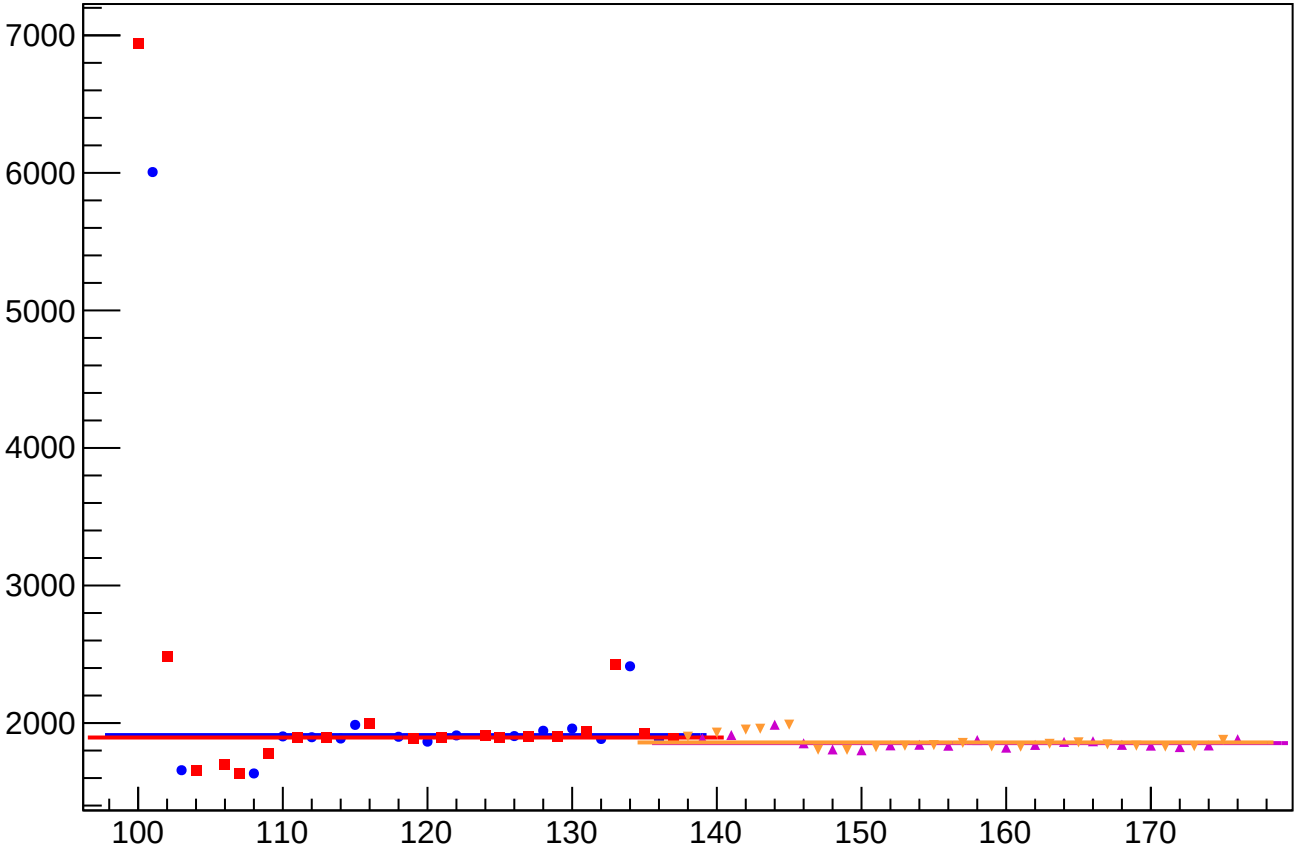
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -903.127+/-395.148 χ^2/NDF:33.0/34

Out: 715.281+/-389.804 χ^2/NDF:33.2/38

All: -82.907+/-277.503 χ^2/NDF: 74.7/73

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.006+/-0.333 χ^2/NDF:15374.3/18

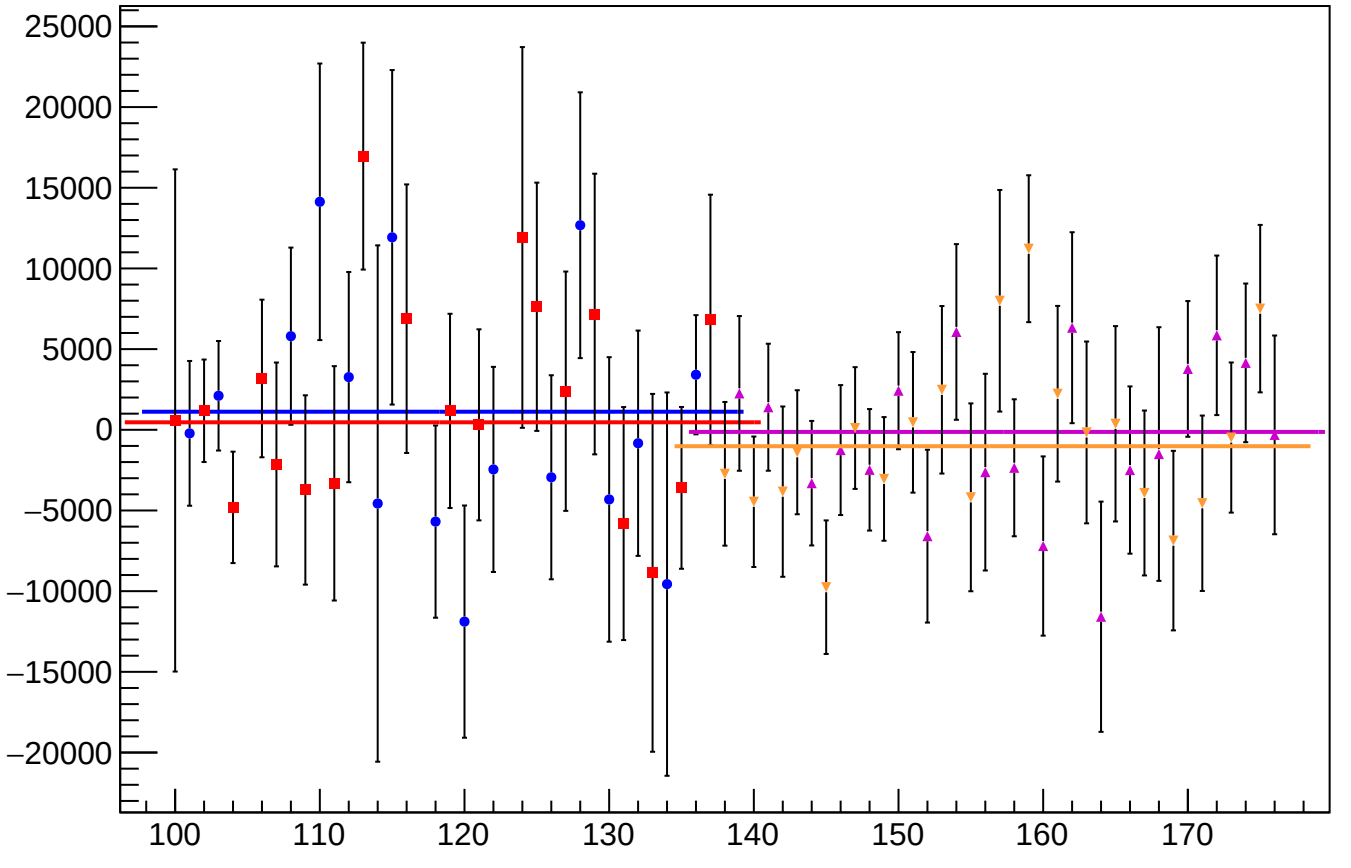
Left: 1856.484+/-0.234 χ^2/NDF: 37932.8/38

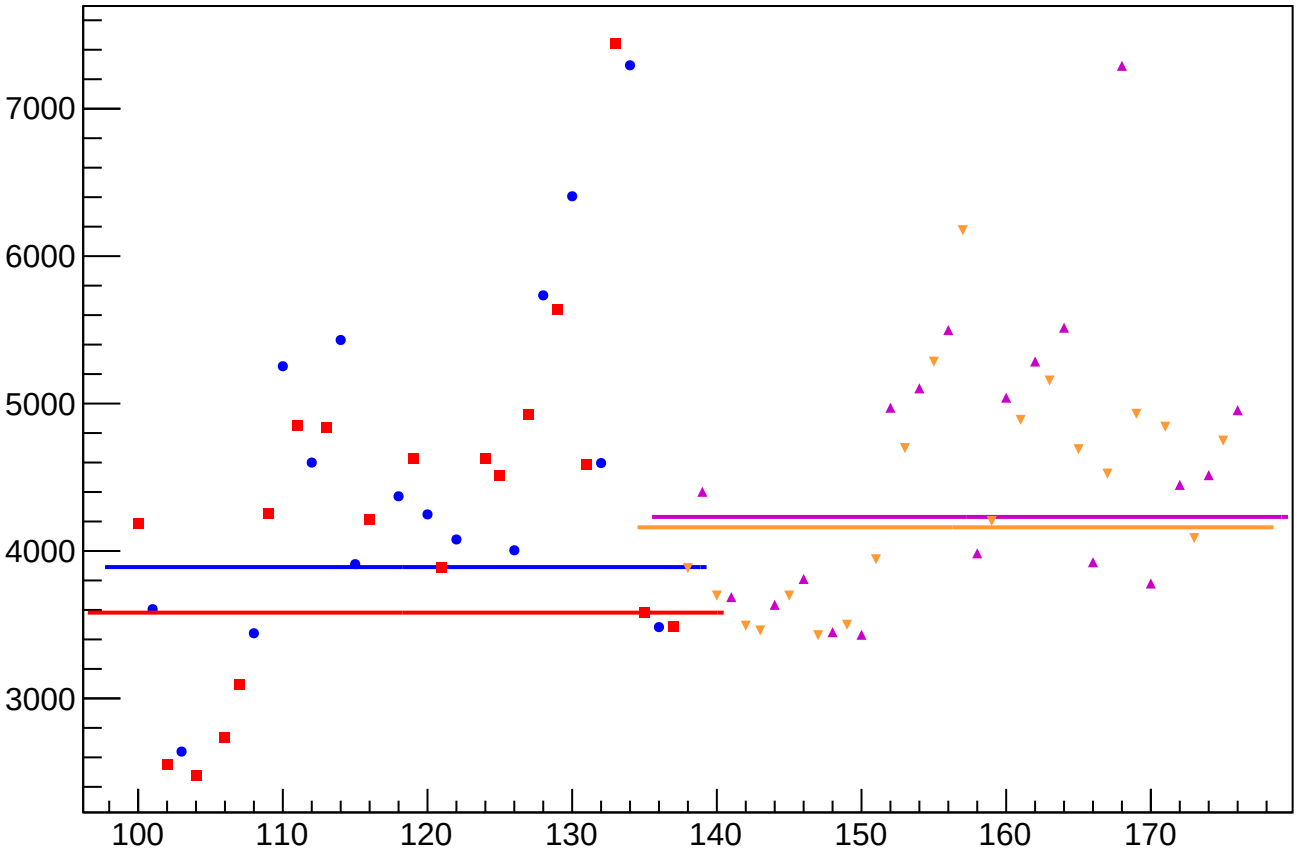
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.190+/-0.279 χ^2/NDF:720660.6/34

Out: 1869.778+/-0.276 χ^2/NDF:245802.0/38

All: 1870.474+/-0.196 χ^2/NDF: 966475.5/73


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: -1016.932+/-1065.295 χ²/NDF:20.8/19
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -131.660+/-1095.180 χ²/NDF:13.9/18
Left: -586.540+/-763.624 χ²/NDF: 35.1/38
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 304.506+/-884.034 χ²/NDF:27.9/34
Out: -459.181+/-841.160 χ²/NDF:36.6/38
All: -96.305+/-609.383 χ²/NDF: 64.8/73



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4160.530+/-0.753 χ^2/NDF:785181.2/19

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4231.048+/-0.774 χ^2/NDF:1018548.9/18

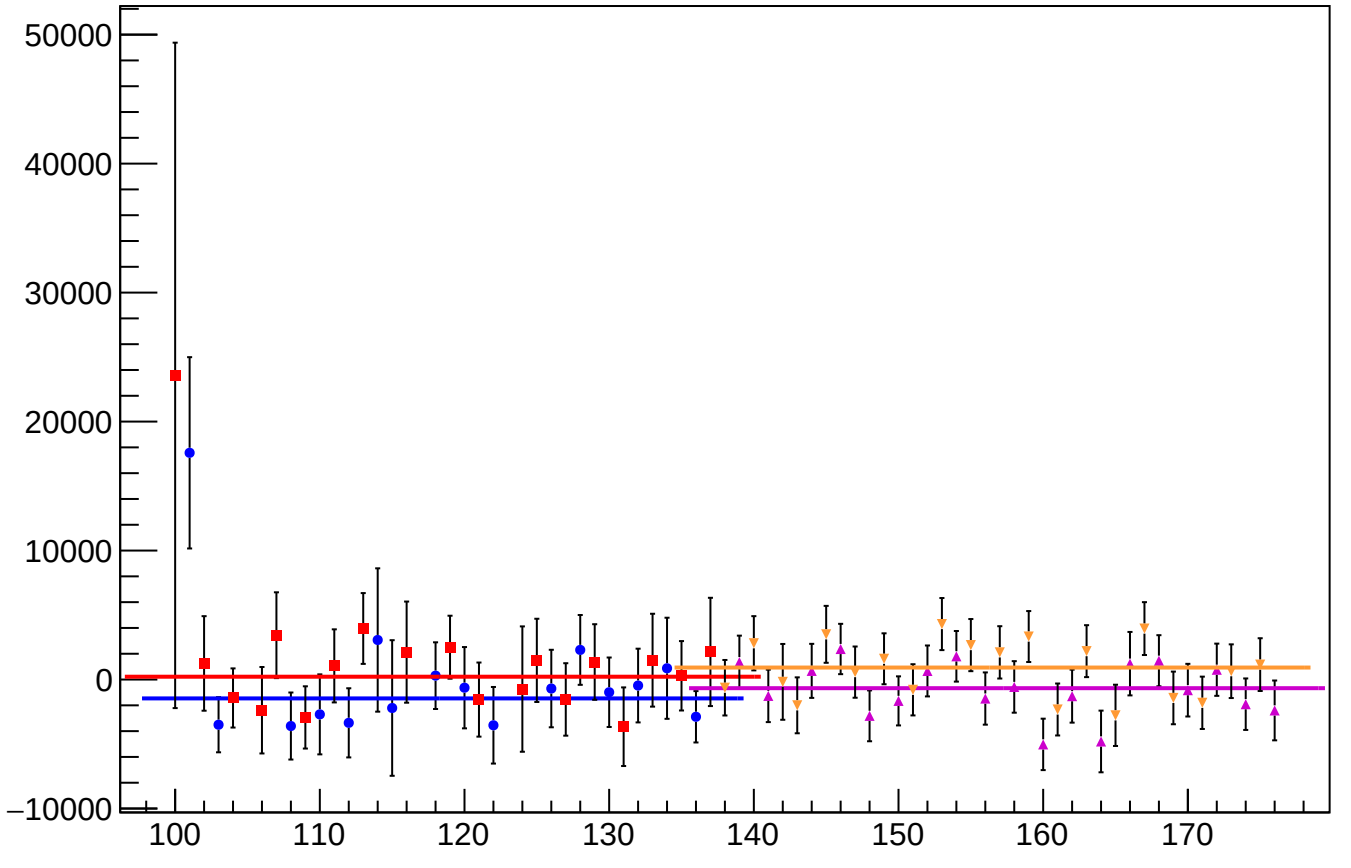
Left: 4194.814+/-0.540 χ^2/NDF: 1807990.8/38

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4112.466+/-0.625 χ^2/NDF:1964263.2/34

Out: 3942.614+/-0.595 χ^2/NDF:2229300.1/38

All: 4023.322+/-0.431 χ^2/NDF: 4232312.0/73



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 930.105+/-466.706 χ^2/NDF:21.7/19

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -669.689+/-470.412 χ^2/NDF:18.6/18

Left: 136.534+/-331.314 χ^2/NDF: 46.1/38

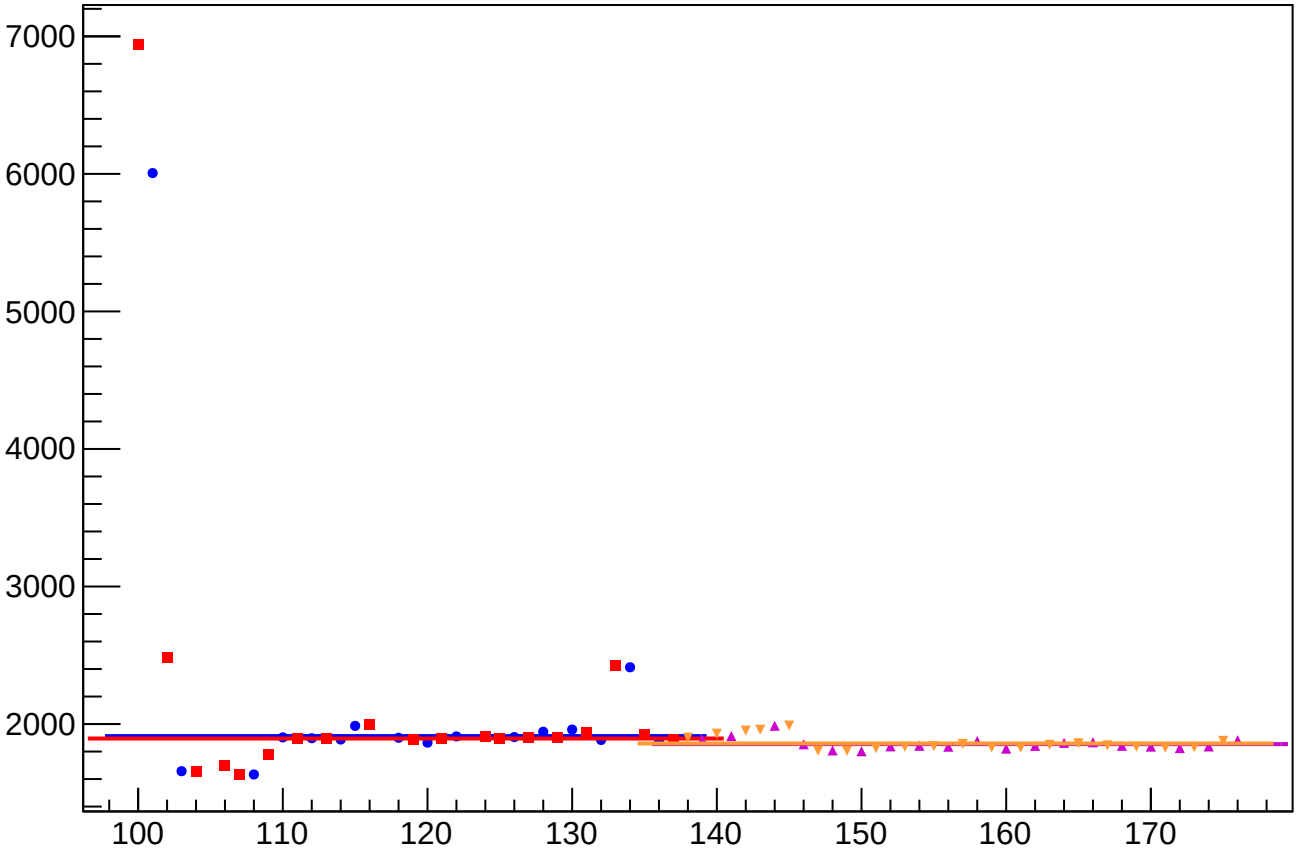
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -903.130+/-395.148 χ^2/NDF:33.0/34

Out: 715.284+/-389.804 χ^2/NDF:33.2/38

All: -82.907+/-277.503 χ^2/NDF: 74.7/73

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.924+/-0.330 χ^2/NDF:22448.4/19

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.007+/-0.333 χ^2/NDF:15374.2/18

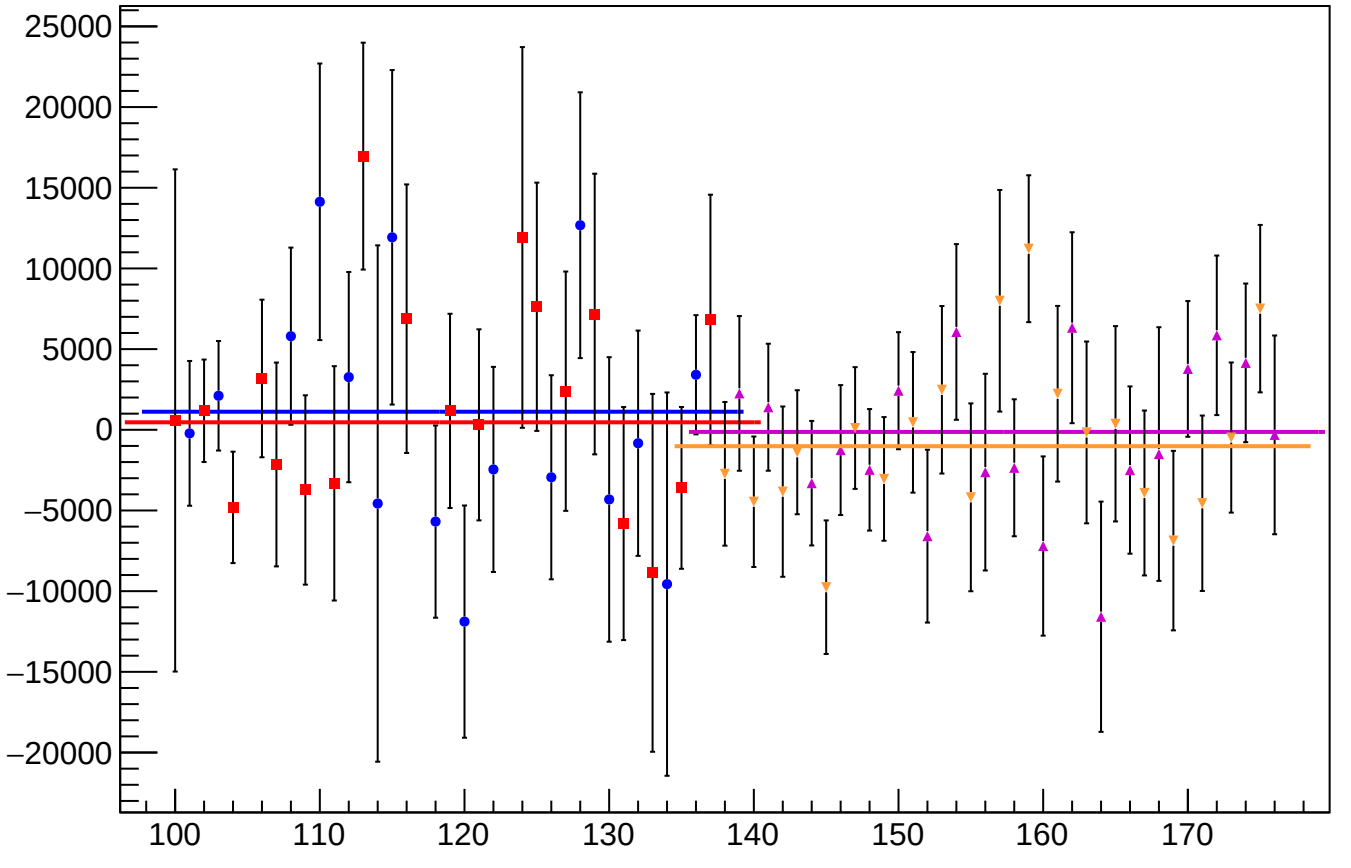
Left: 1856.485+/-0.234 χ^2/NDF: 37932.7/38

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.191+/-0.279 χ^2/NDF:720660.1/34

Out: 1869.779+/-0.276 χ^2/NDF:245801.9/38

All: 1870.475+/-0.196 χ^2/NDF: 966475.0/73



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1016.931+/-1065.297 χ^2/NDF:20.8/19

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -131.658+/-1095.182 χ^2/NDF:13.9/18

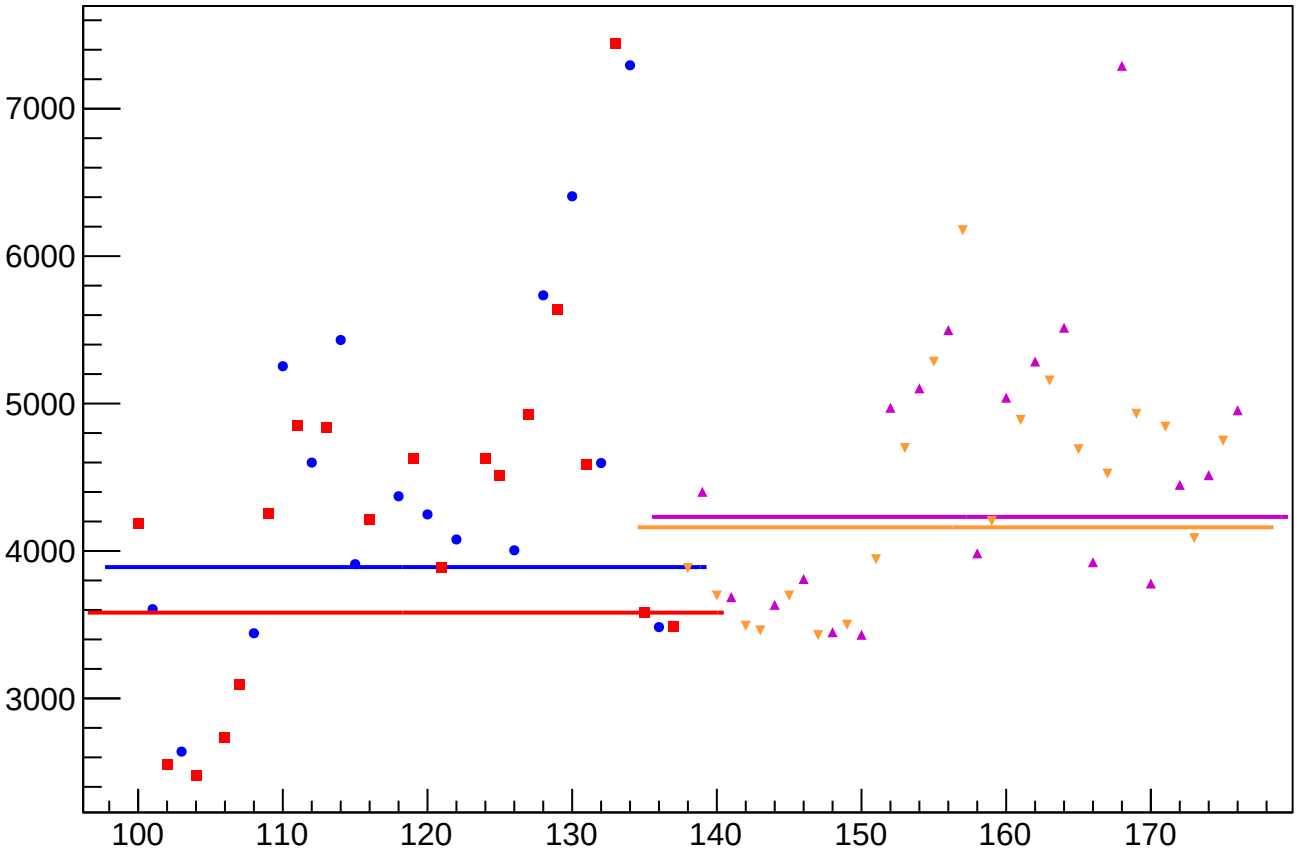
Left: -586.538+/-763.625 χ^2/NDF: 35.1/38

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 304.503+/-884.034 χ^2/NDF:27.9/34

Out: -459.179+/-841.160 χ^2/NDF:36.6/38

All: -96.305+/-609.383 χ^2/NDF: 64.8/73



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4160.536+/-0.753 χ^2/NDF:785181.6/19

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4231.054+/-0.774 χ^2/NDF:1018551.6/18

Left: 4194.820+/-0.540 χ^2/NDF: 1807993.9/38

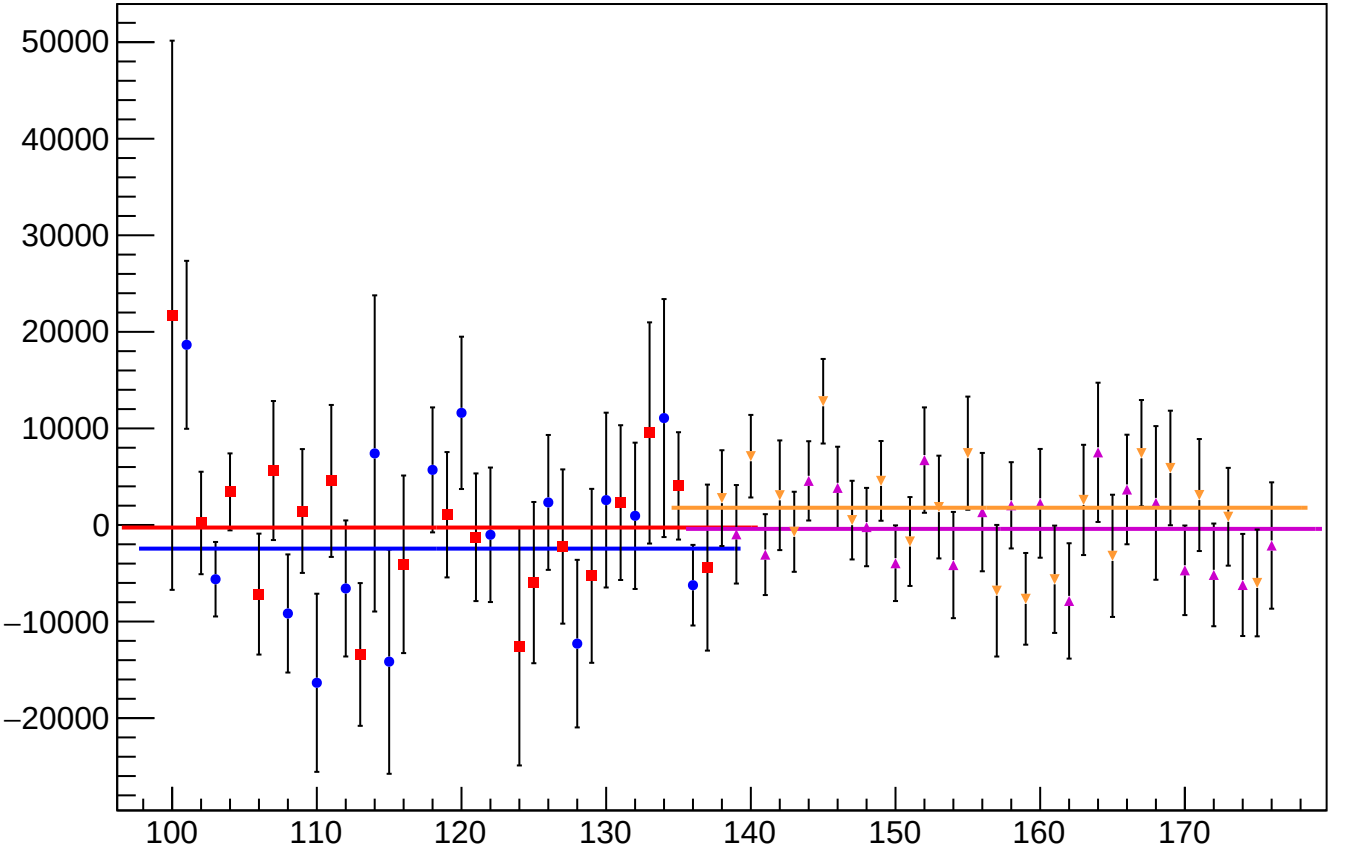
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4112.469+/-0.625 χ^2/NDF:1964260.5/34

Out: 3942.617+/-0.595 χ^2/NDF:2229299.3/38

All: 4023.324+/-0.431 χ^2/NDF: 4232308.6/73

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1784.233+/-1129.350 χ^2/NDF:22.0/19

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -404.404+/-1157.951 χ^2/NDF:12.8/18

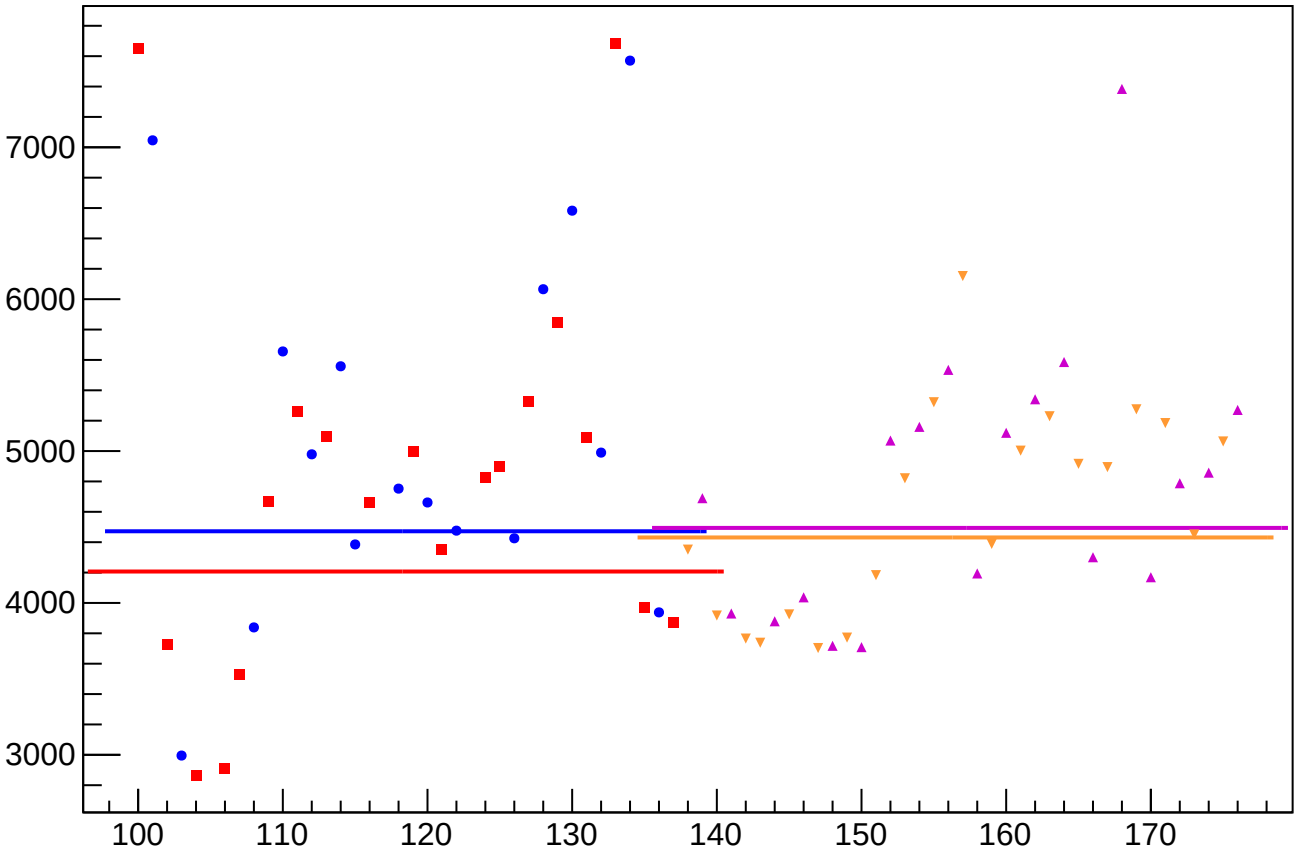
Left: 717.277+/-808.494 χ^2/NDF: 36.6/38

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1041.999+/-960.502 χ^2/NDF:34.6/34

Out: 1115.177+/-926.928 χ^2/NDF:33.8/38

All: 74.949+/-666.991 χ^2/NDF: 71.0/73



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4431.163+/-0.799 χ^2/NDF:631407.1/19

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4494.052+/-0.819 χ^2/NDF:809304.0/18

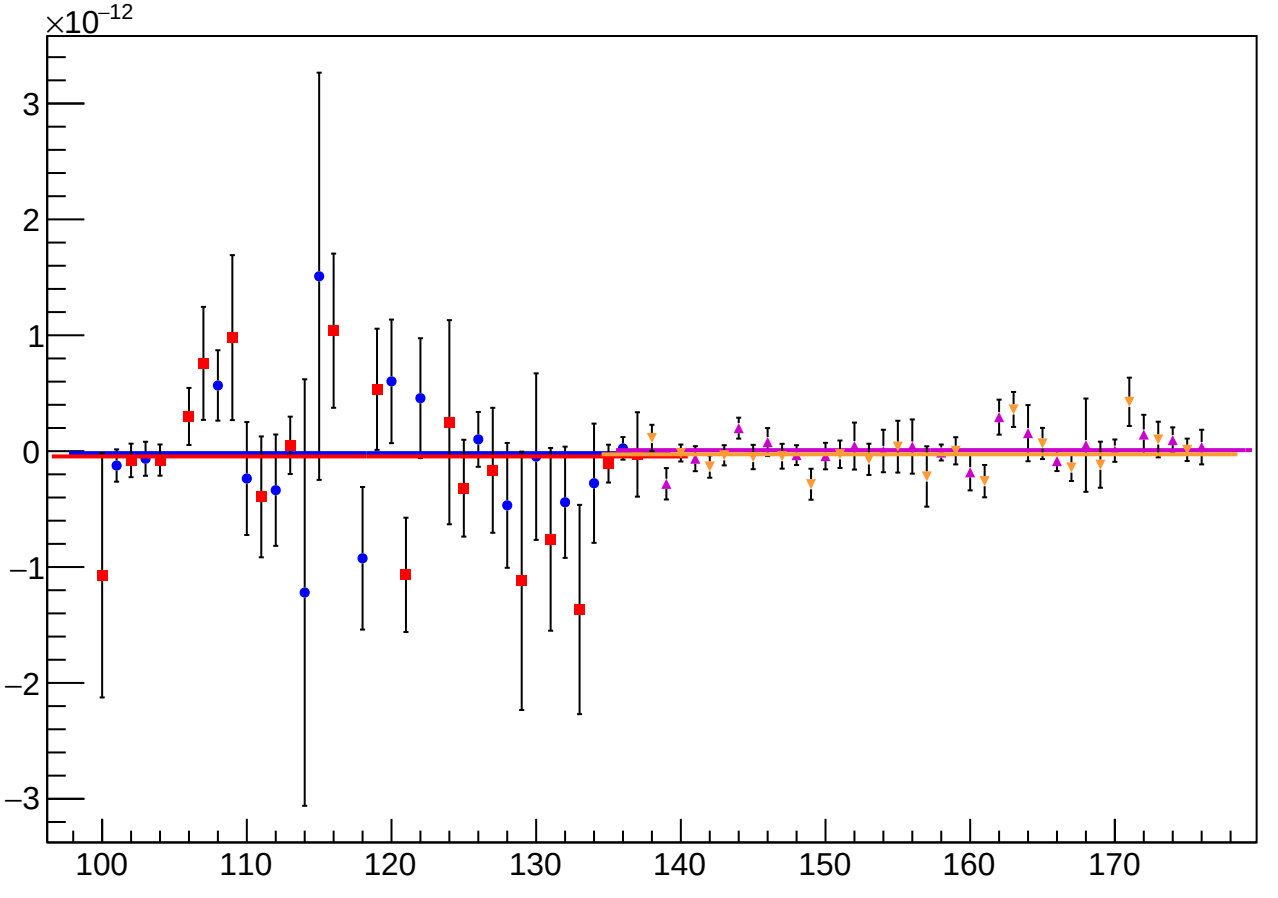
Left: 4461.821+/-0.572 χ^2/NDF: 1443734.5/38

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4487.143+/-0.679 χ^2/NDF:1701210.7/34

Out: 4357.167+/-0.654 χ^2/NDF:1503953.4/38

All: 4419.669+/-0.471 χ^2/NDF: 3224176.1/73



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/18

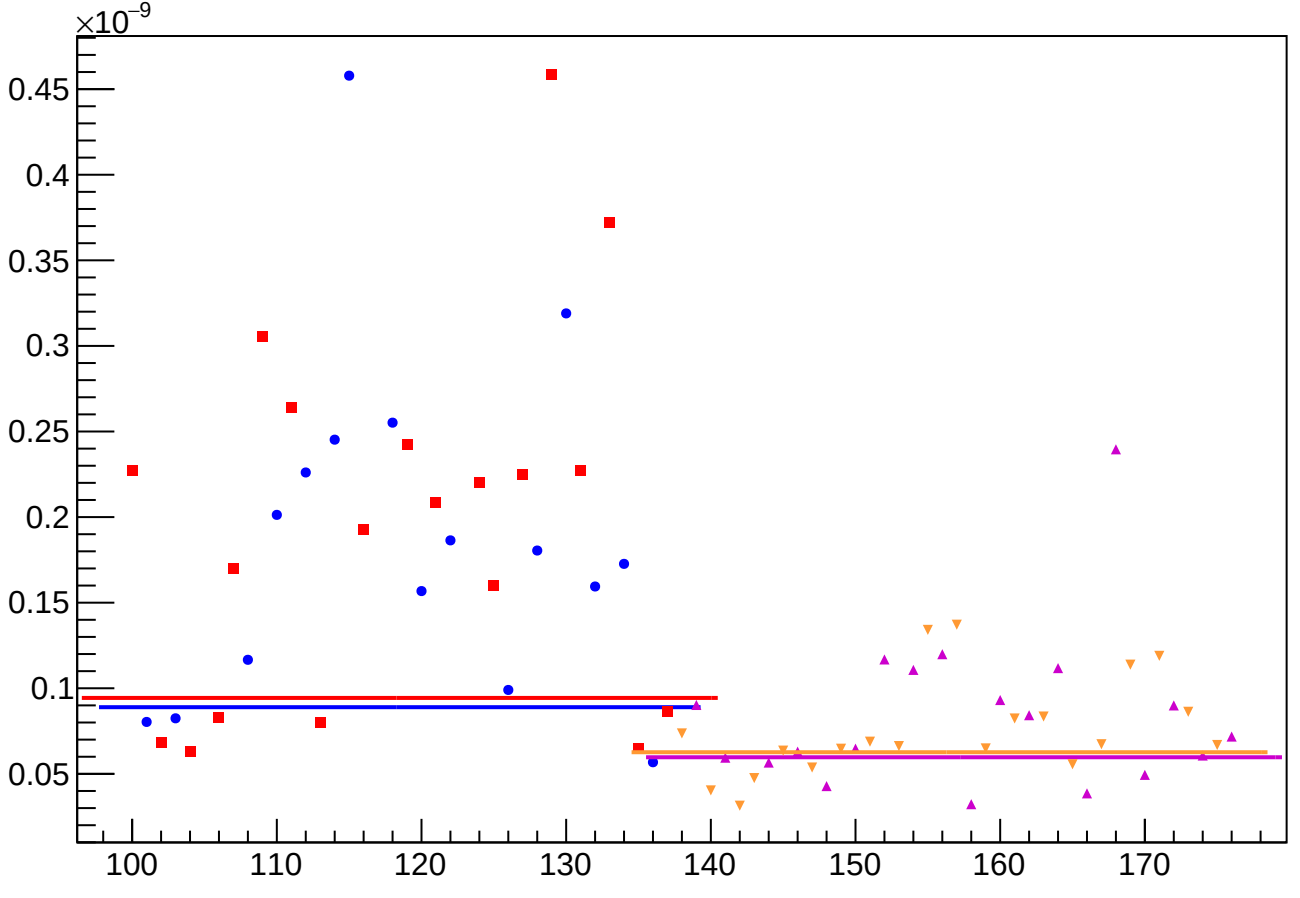
Left: -0.000+/-0.000 χ^2/NDF: 43.1/38

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.2/34

Out: -0.000+/-0.000 χ^2/NDF:45.2/38

All: -0.000+/-0.000 χ^2/NDF: 77.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1280426.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1805229.4/18

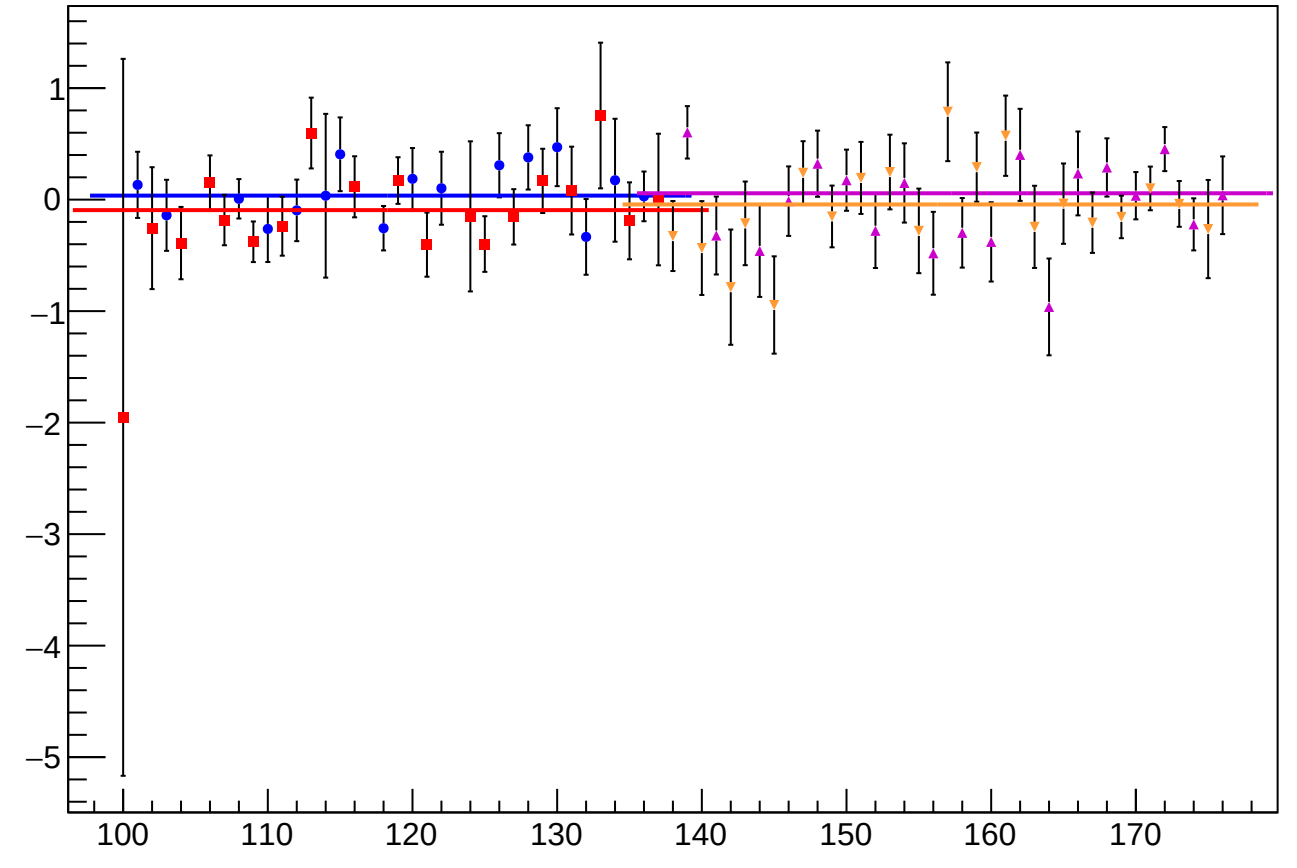
Left: 0.000+/-0.000 χ^2/NDF: 3097479.9/38

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3413846.3/34

Out: 0.000+/-0.000 χ^2/NDF:3351350.2/38

All: 0.000+/-0.000 χ^2/NDF: 6774203.5/73



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

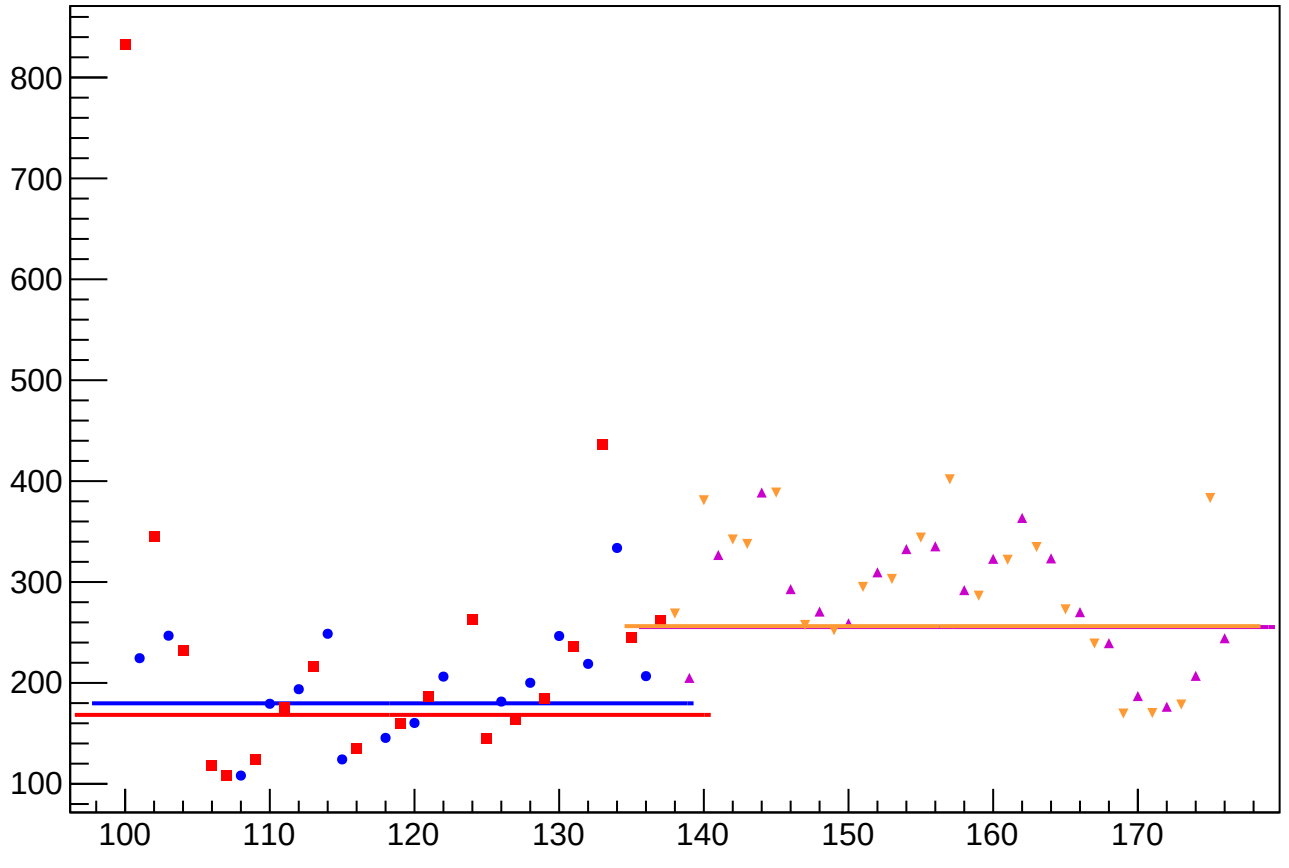
Left: 0.007+/-0.048 χ^2/NDF: 49.4/38

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.012+/-0.034 χ^2/NDF: 79.6/73



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

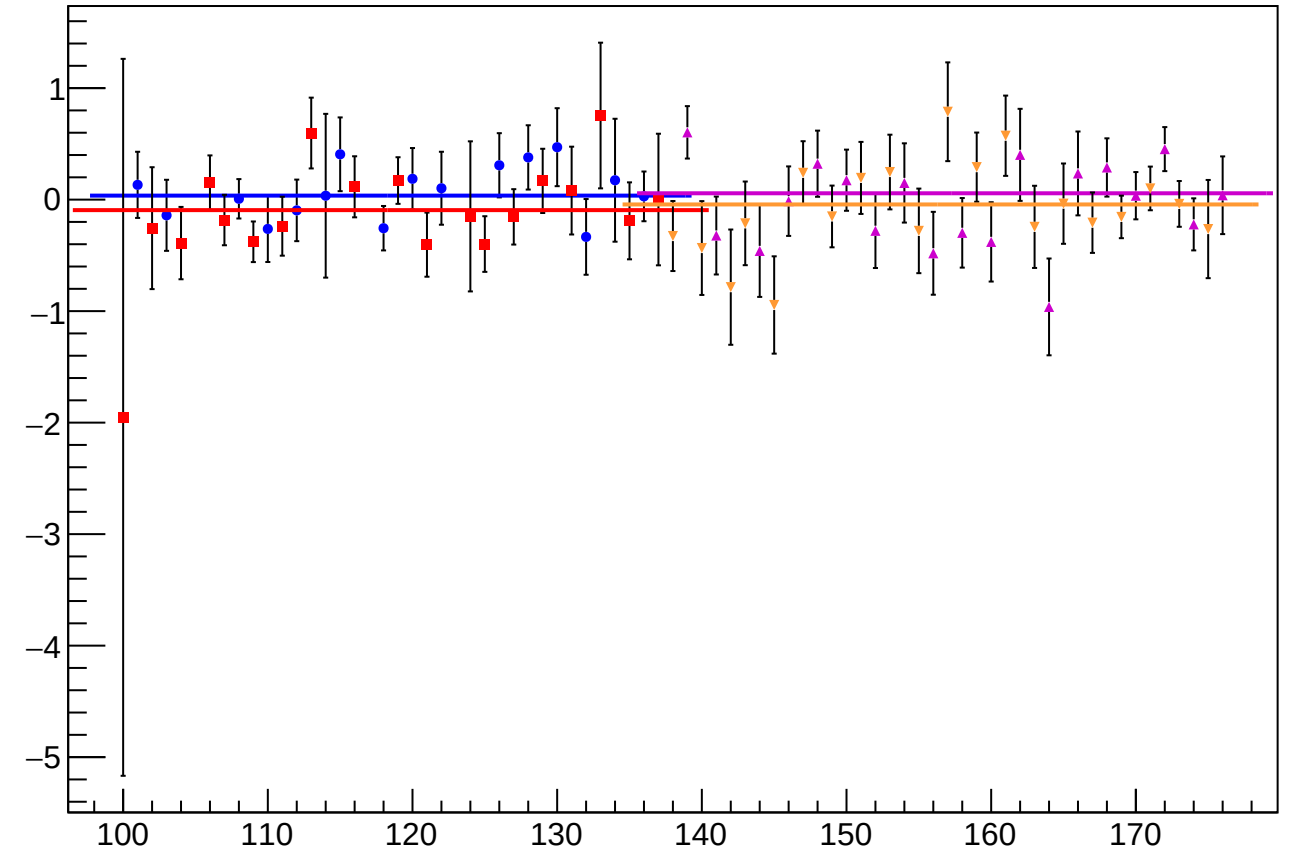
Left: 255.829+/-0.034 χ^2/NDF: 3916693.6/38

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.038+/-0.035 χ^2/NDF:3680972.8/34

Out: 212.167+/-0.034 χ^2/NDF:5439633.7/38

All: 215.528+/-0.024 χ^2/NDF: 9140740.0/73



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

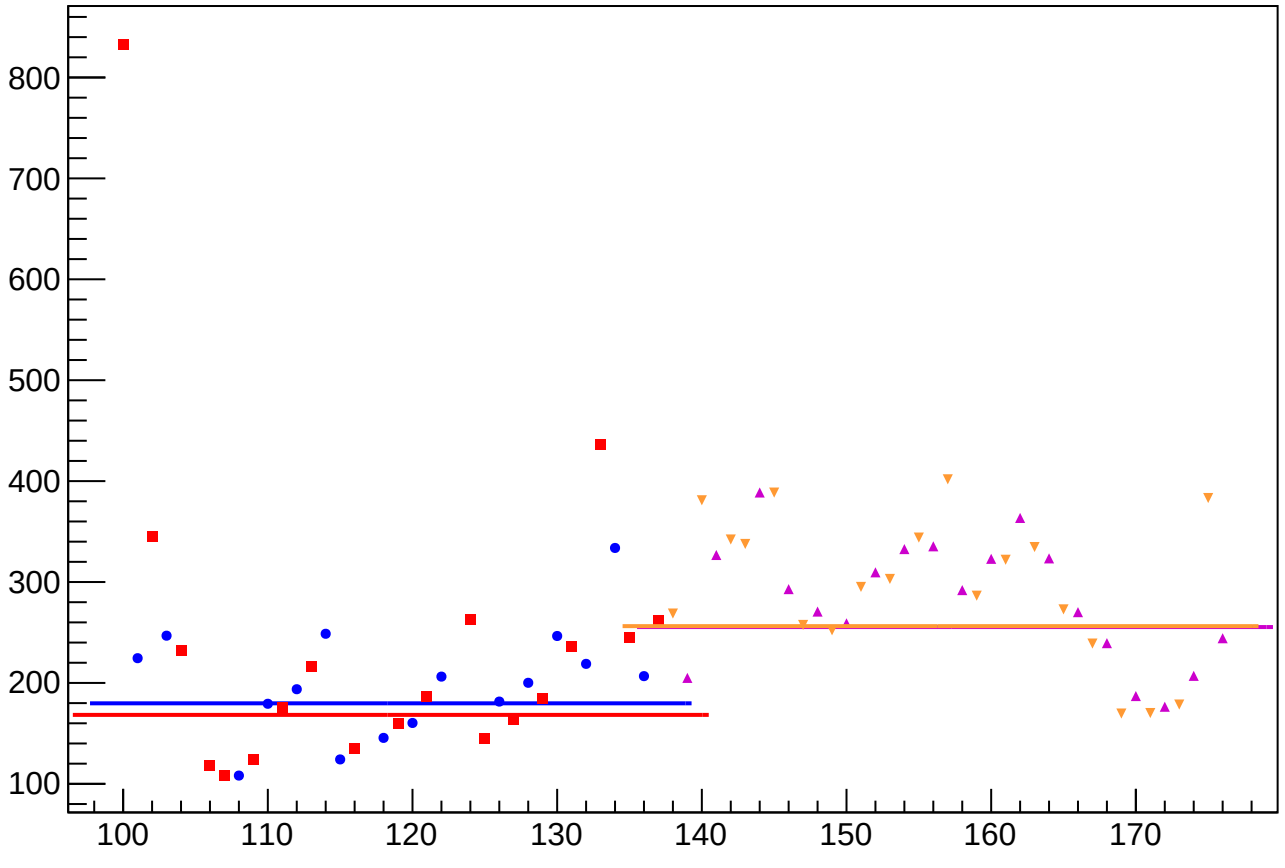
Left: 0.007+/-0.048 χ^2/NDF: 49.4/38

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.012+/-0.034 χ^2/NDF: 79.6/73



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 256.283+/-0.048 χ^2/NDF:2344838.1/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

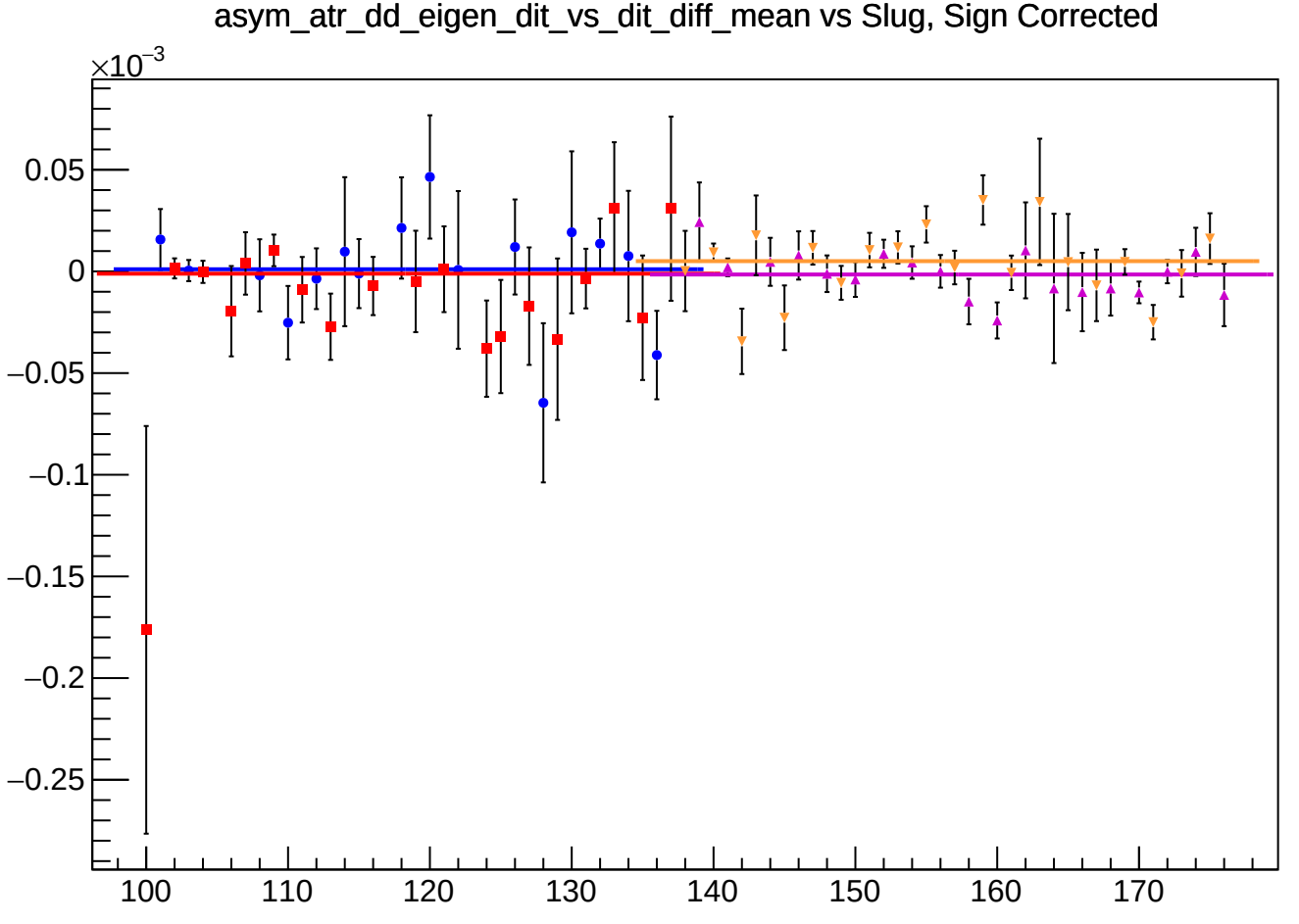
Left: 255.829+/-0.034 χ^2/NDF: 3916693.6/38

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.038+/-0.035 χ^2/NDF:3680972.8/34

Out: 212.167+/-0.034 χ^2/NDF:5439633.7/38

All: 215.528+/-0.024 χ^2/NDF: 9140740.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

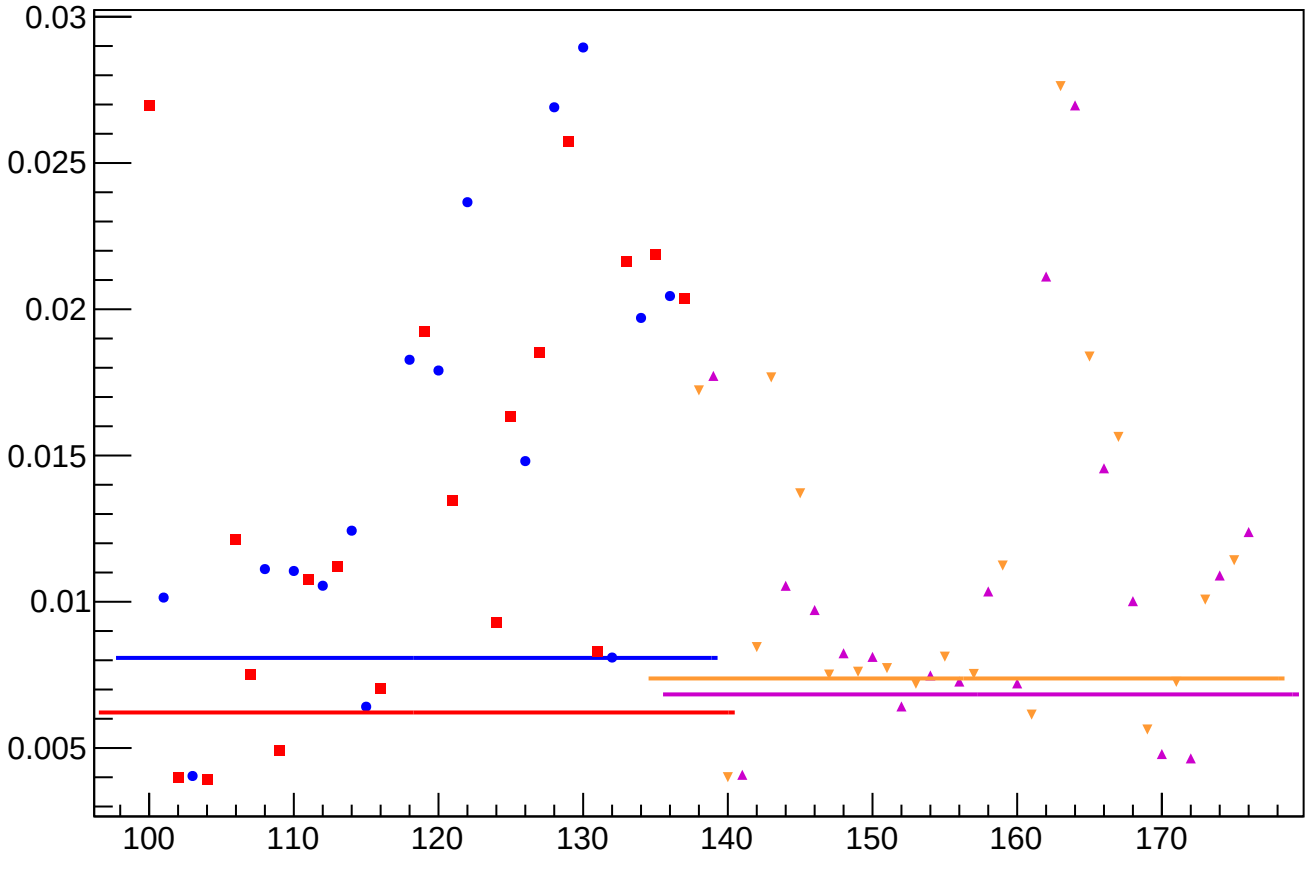
Left: 0.000+/-0.000 χ^2/NDF: 63.9/38

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:58.8/38

All: 0.000+/-0.000 χ^2/NDF: 94.9/73



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5032434.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4911678.5/18

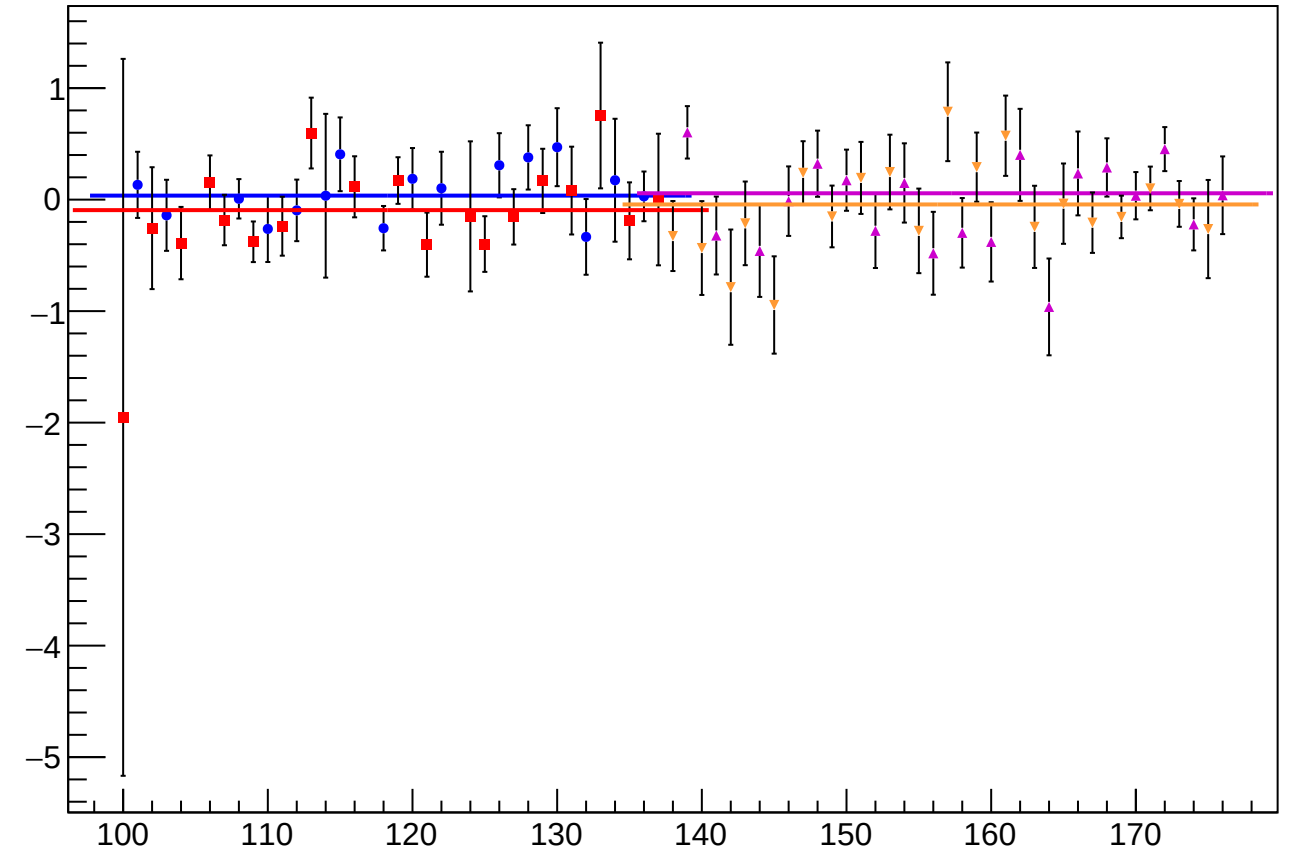
Left: 0.007+/-0.000 χ^2/NDF: 10016374.3/38

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:9501185.4/34

Out: 0.007+/-0.000 χ^2/NDF:9814279.1/38

All: 0.007+/-0.000 χ^2/NDF: 19322207.2/73



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

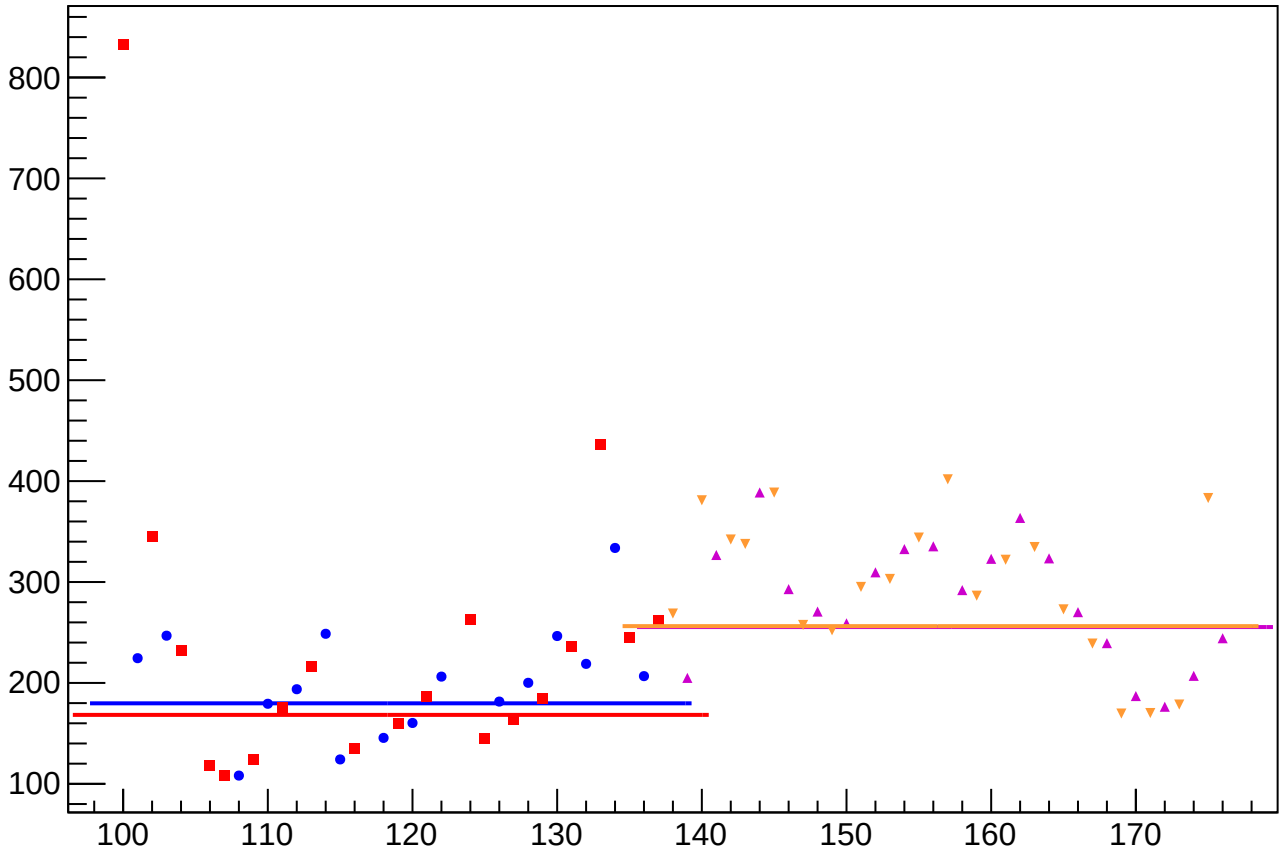
Left: 0.007+/-0.048 χ^2/NDF: 49.4/38

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.012+/-0.034 χ^2/NDF: 79.6/73



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

Left: 255.831+/-0.034 χ^2/NDF: 3916871.5/38

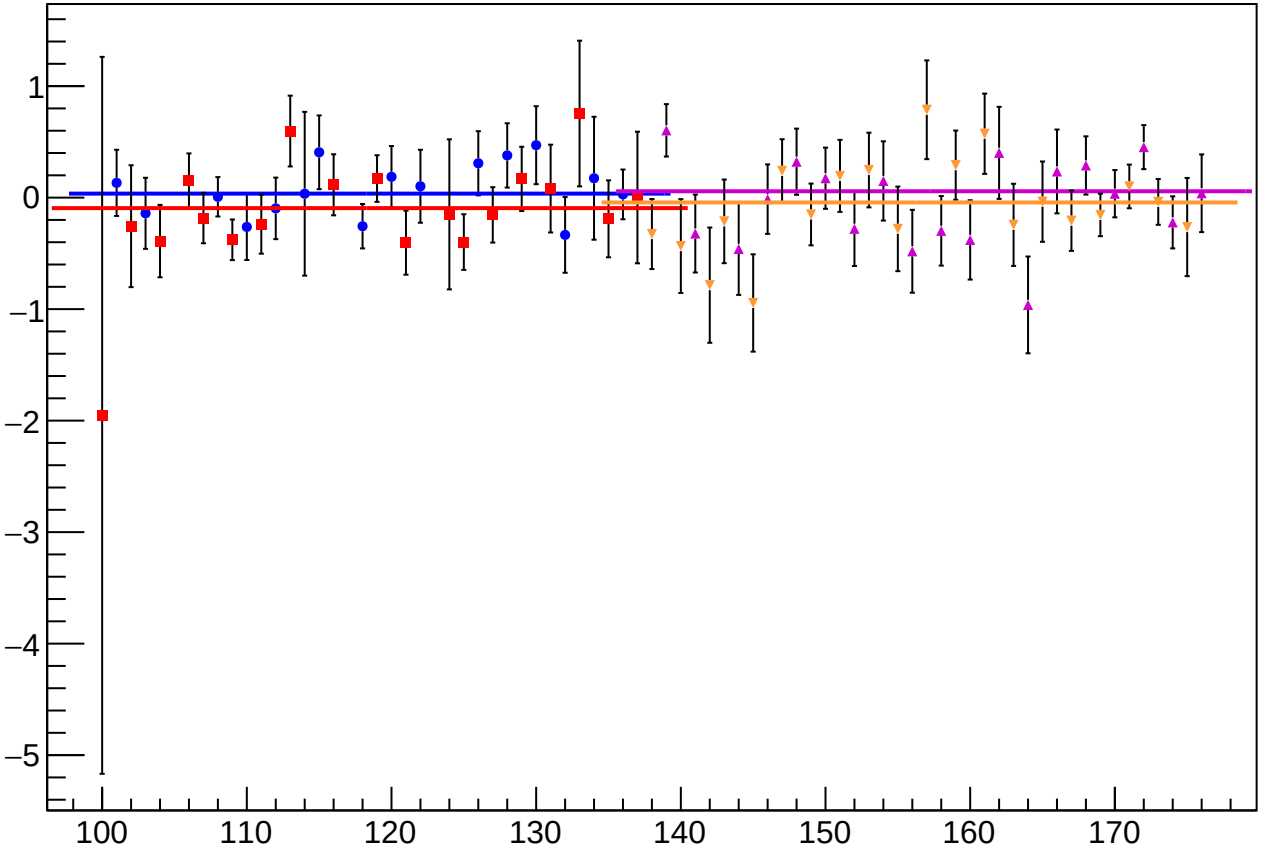
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.037+/-0.035 χ^2/NDF:3681234.9/34

Out: 212.167+/-0.034 χ^2/NDF:5439810.6/38

All: 215.528+/-0.024 χ^2/NDF: 9141172.3/73

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.043+/-0.068 χ^2/NDF:20.5/19

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

Left: 0.007+/-0.048 χ^2/NDF: 49.4/38

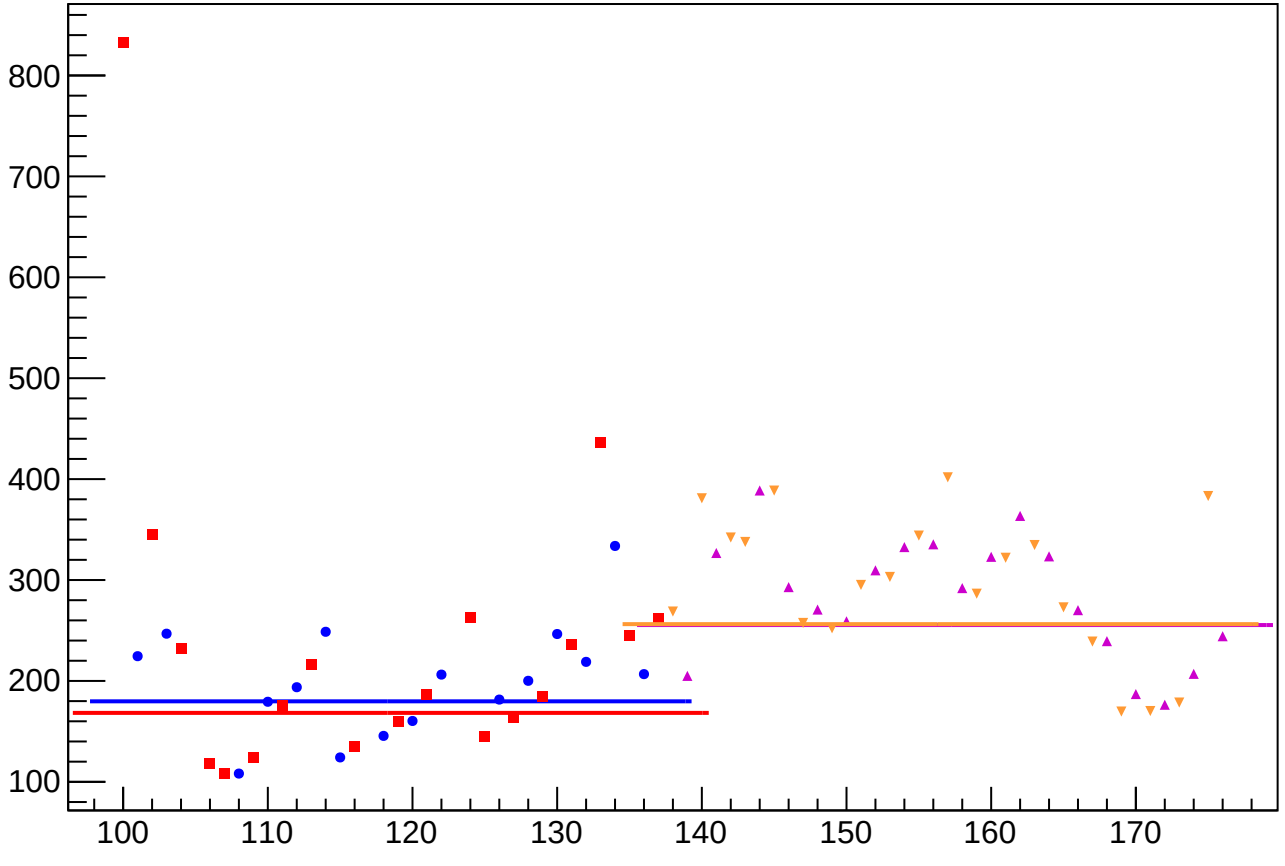
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.069+/-0.048 χ^2/NDF:38.4/38

All: -0.012+/-0.034 χ^2/NDF: 79.6/73

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 256.285+/-0.048 χ^2/NDF:2344962.6/19

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

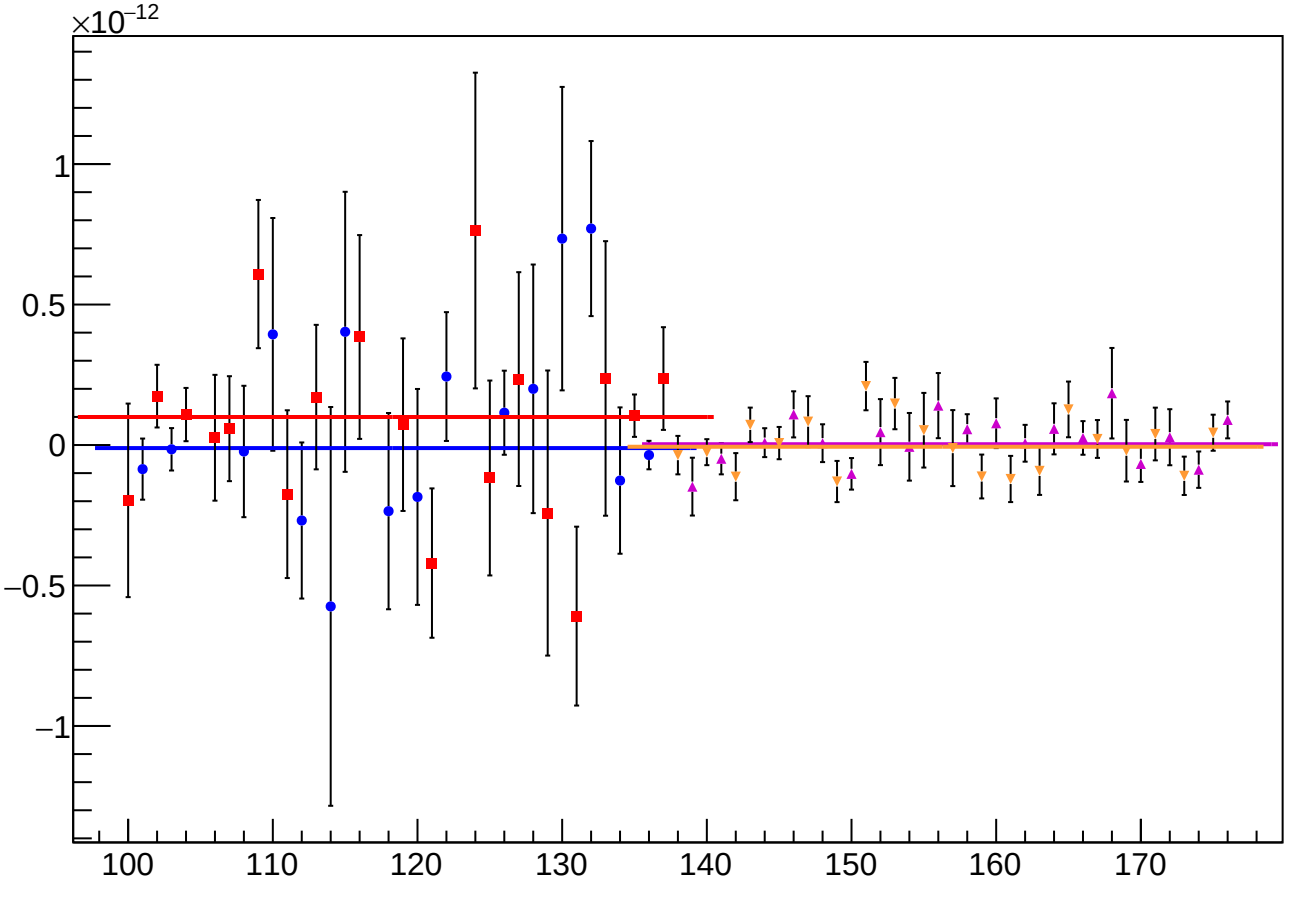
Left: 255.831+/-0.034 χ^2/NDF: 3916871.5/38

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.037+/-0.035 χ^2/NDF:3681234.9/34

Out: 212.167+/-0.034 χ^2/NDF:5439810.6/38

All: 215.528+/-0.024 χ^2/NDF: 9141172.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

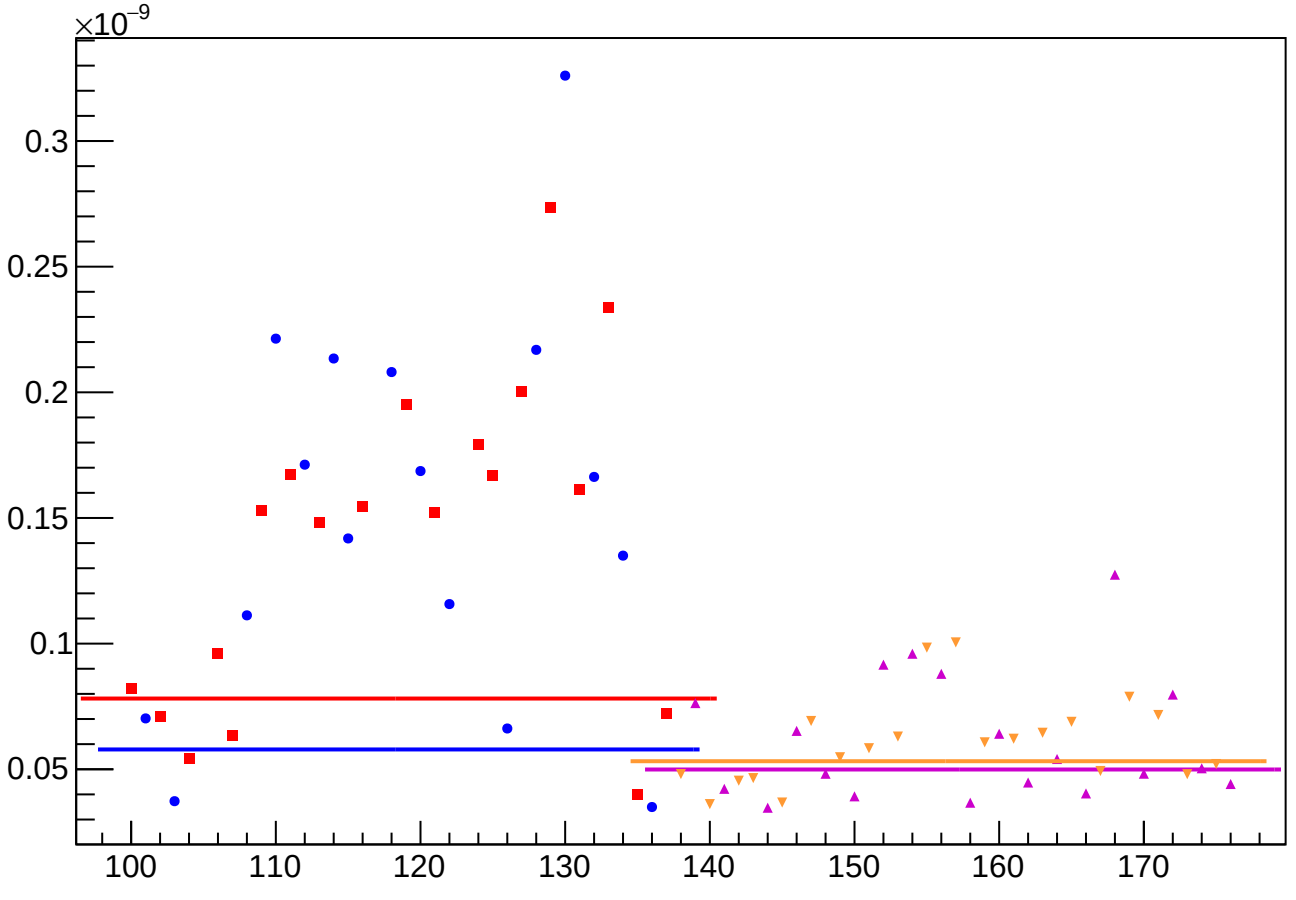
Left: -0.000+/-0.000 χ^2/NDF: 45.1/38

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:33.4/34

Out: 0.000+/-0.000 χ^2/NDF:50.5/38

All: 0.000+/-0.000 χ^2/NDF: 84.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390065.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2149765.8/18

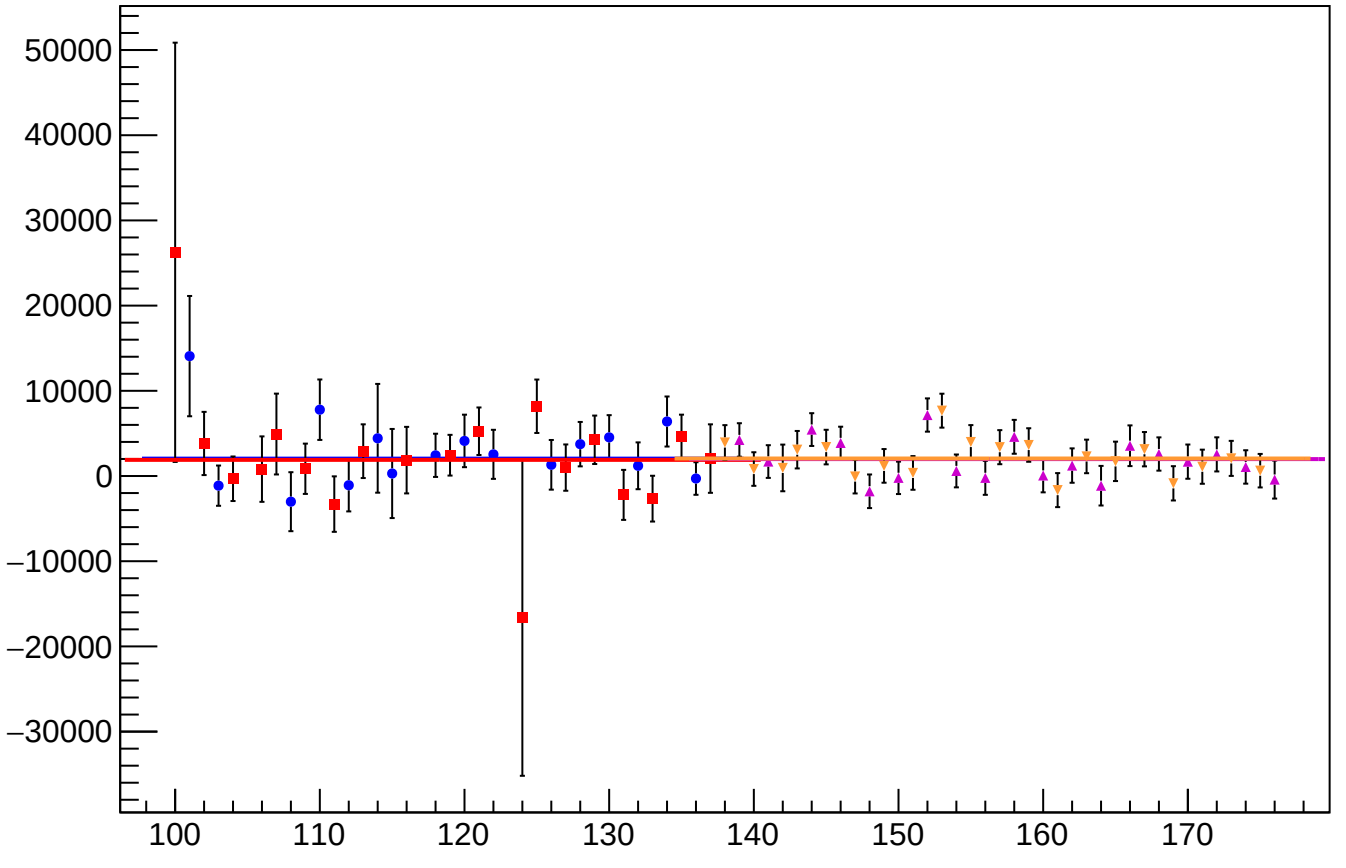
Left: 0.000+/-0.000 χ^2/NDF: 3578714.0/38

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5556690.0/34

Out: 0.000+/-0.000 χ^2/NDF:4725851.3/38

All: 0.000+/-0.000 χ^2/NDF: 10403266.6/73



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.317+/-456.701 χ^2/NDF:20.8/19

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 1985.048+/-459.949 χ^2/NDF:26.0/18

Left: 2019.928+/-324.079 χ^2/NDF: 46.7/38

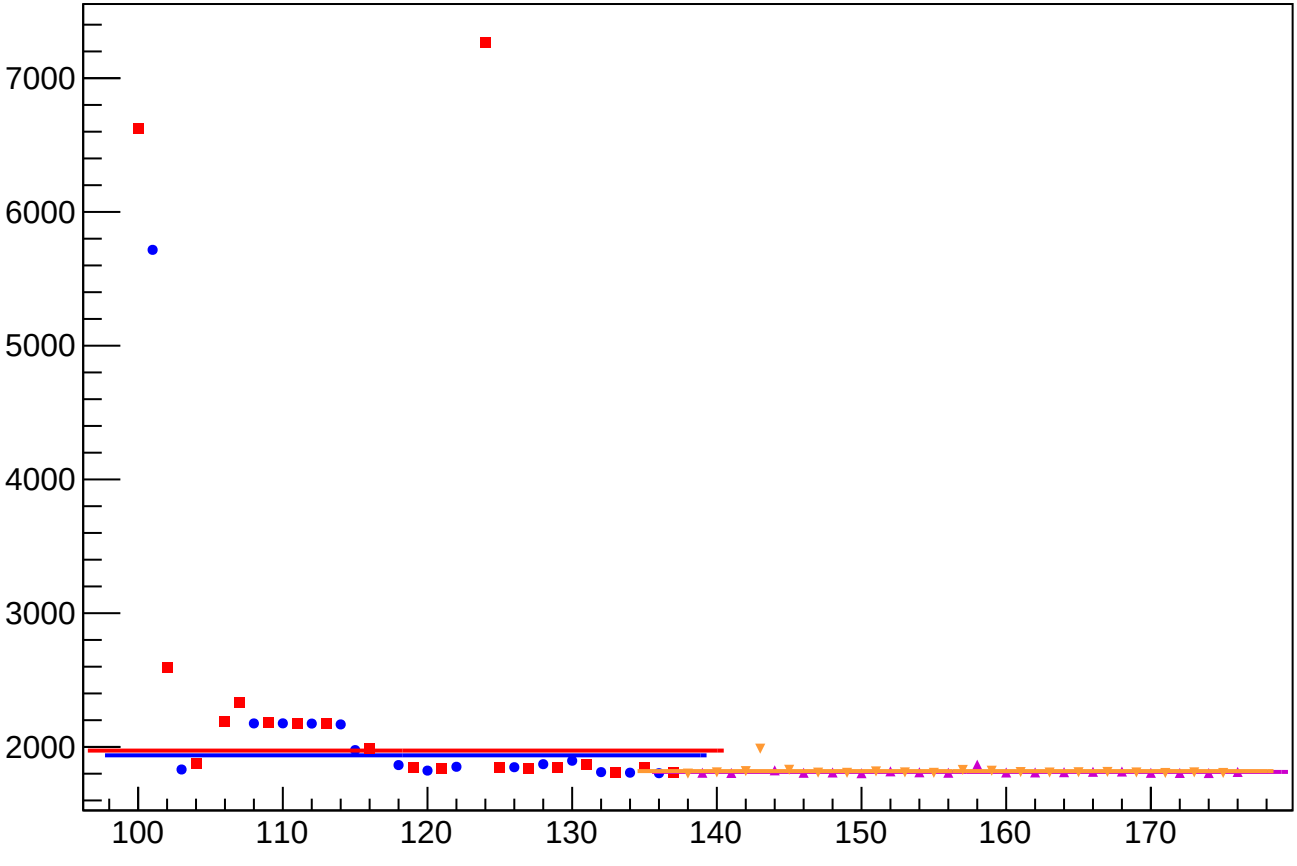
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2000.254+/-390.079 χ^2/NDF:42.4/34

Out: 2010.160+/-388.173 χ^2/NDF:39.3/38

All: 2005.231+/-275.151 χ^2/NDF: 81.7/73

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

Left: 1816.337+/-0.229 χ^2/NDF: 14650.2/38

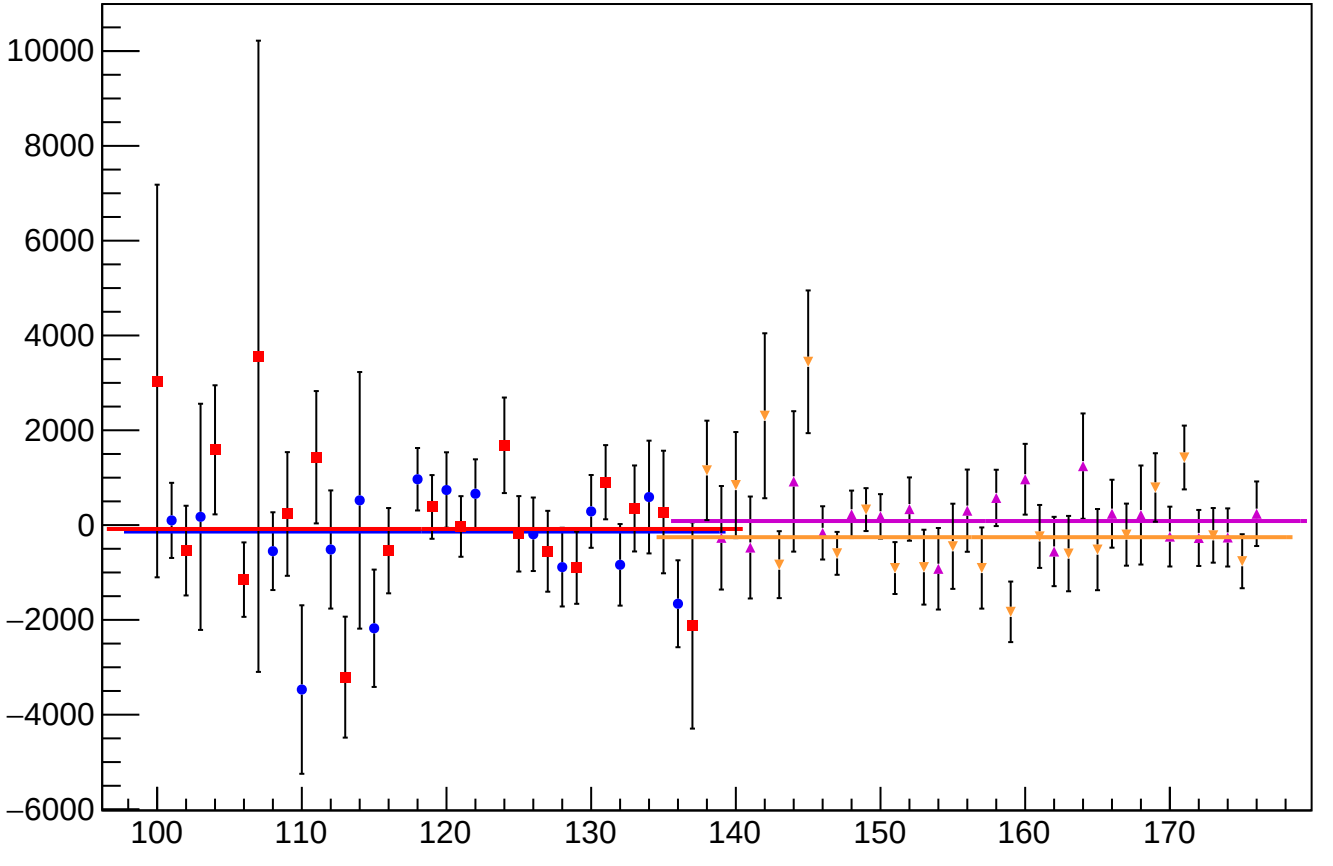
Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1848.047+/-0.276 χ^2/NDF:680739.1/34

Out: 1861.971+/-0.274 χ^2/NDF:452784.7/38

All: 1855.043+/-0.195 χ^2/NDF: 1134804.2/73

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -255.326+/-154.288 χ^2/NDF:32.1/19

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 85.425+/-159.791 χ^2/NDF:7.6/18

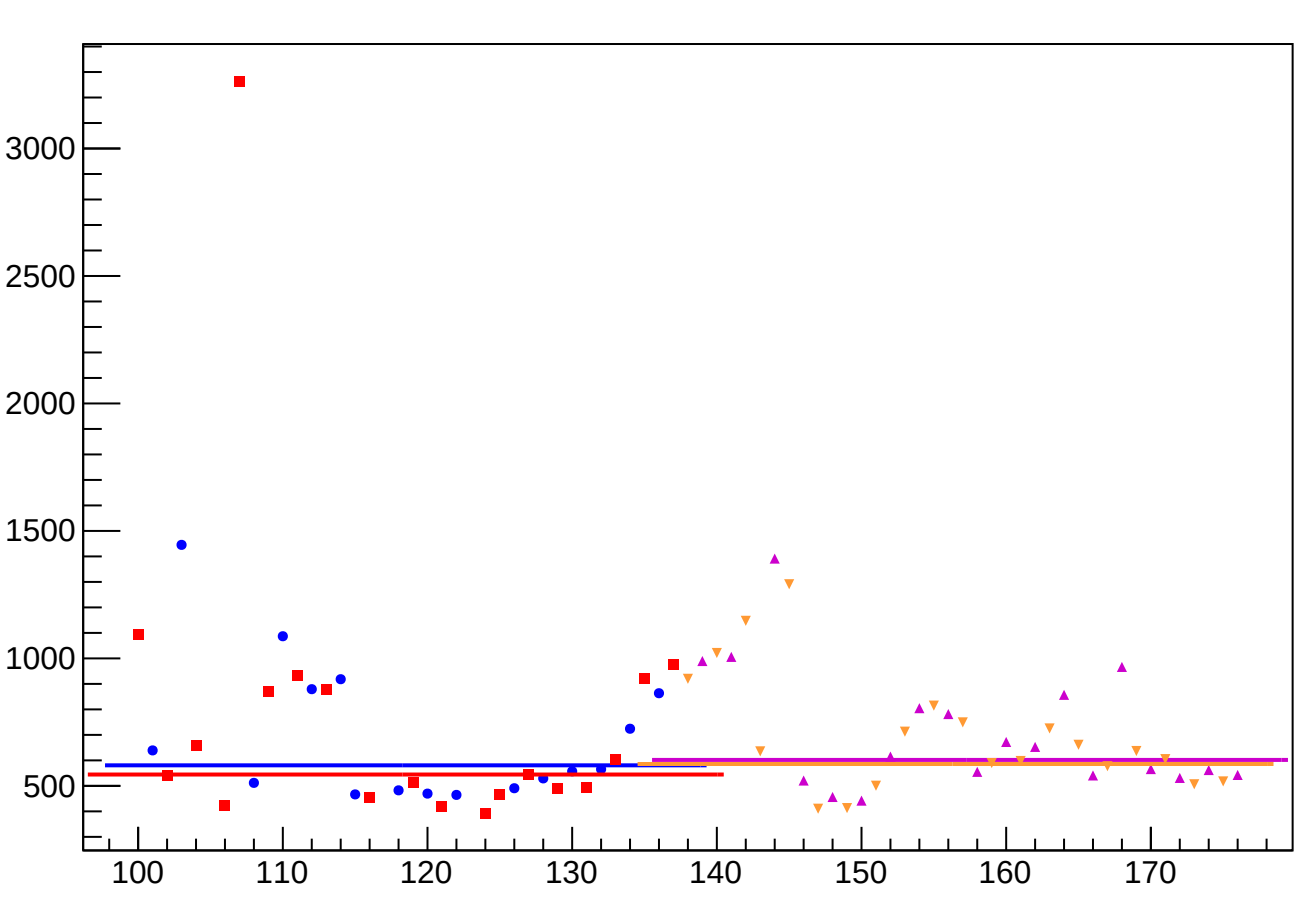
Left: -90.919+/-110.993 χ^2/NDF: 42.0/38

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 13.315+/-131.309 χ^2/NDF:25.1/34

Out: -198.977+/-126.698 χ^2/NDF:52.2/38

All: -96.624+/-91.176 χ^2/NDF: 78.7/73



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 585.802+/-0.109 χ^2/NDF:2214364.3/19

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 601.812+/-0.113 χ^2/NDF:2206210.1/18

Left: 593.526+/-0.078 χ^2/NDF: 4430965.4/38

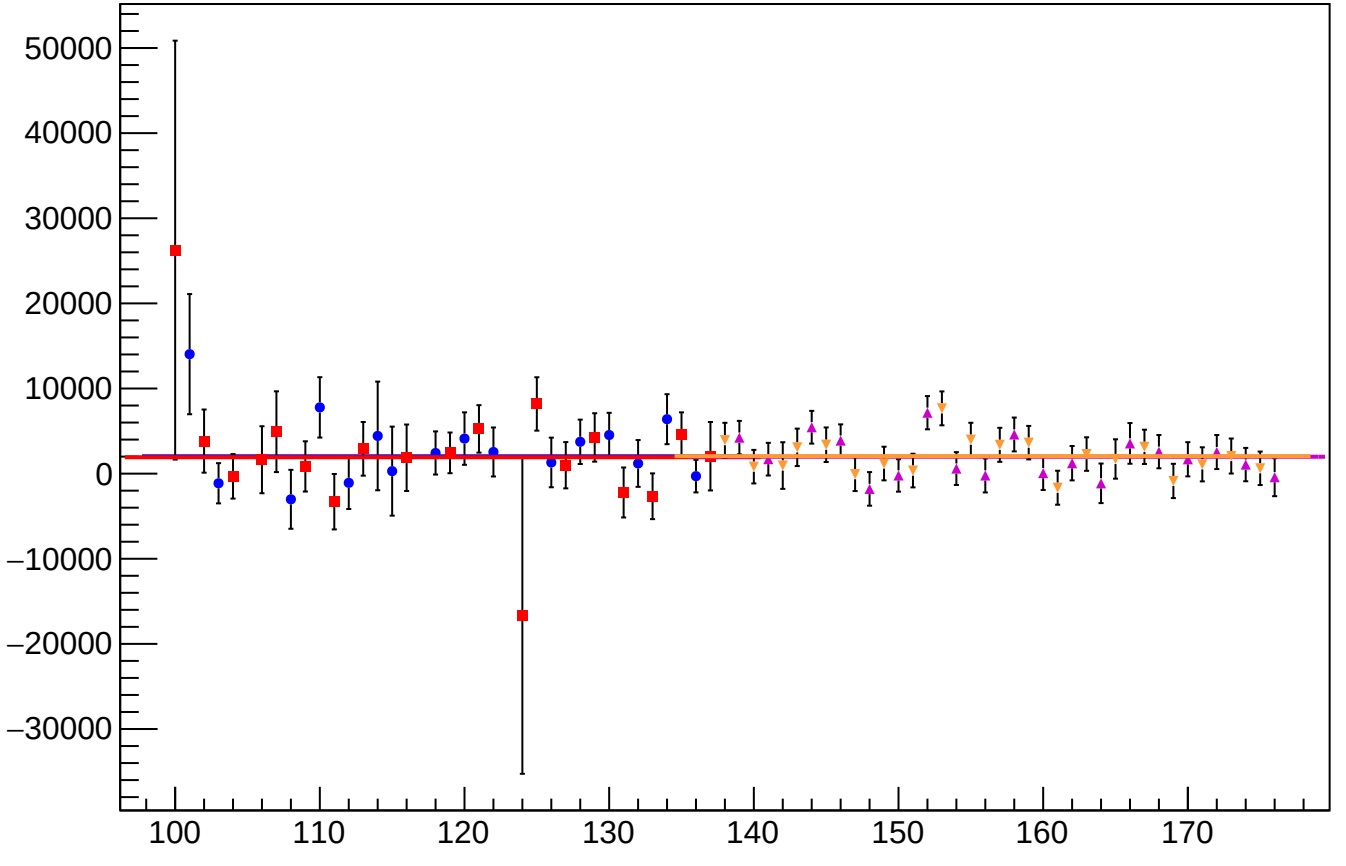
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 594.927+/-0.093 χ^2/NDF:3221053.8/34

Out: 572.361+/-0.090 χ^2/NDF:3548611.5/38

All: 583.241+/-0.064 χ^2/NDF: 6800255.2/73

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 1985.120+/-459.949 χ^2/NDF:26.0/18

Left: 2019.953+/-324.079 χ^2/NDF: 46.7/38

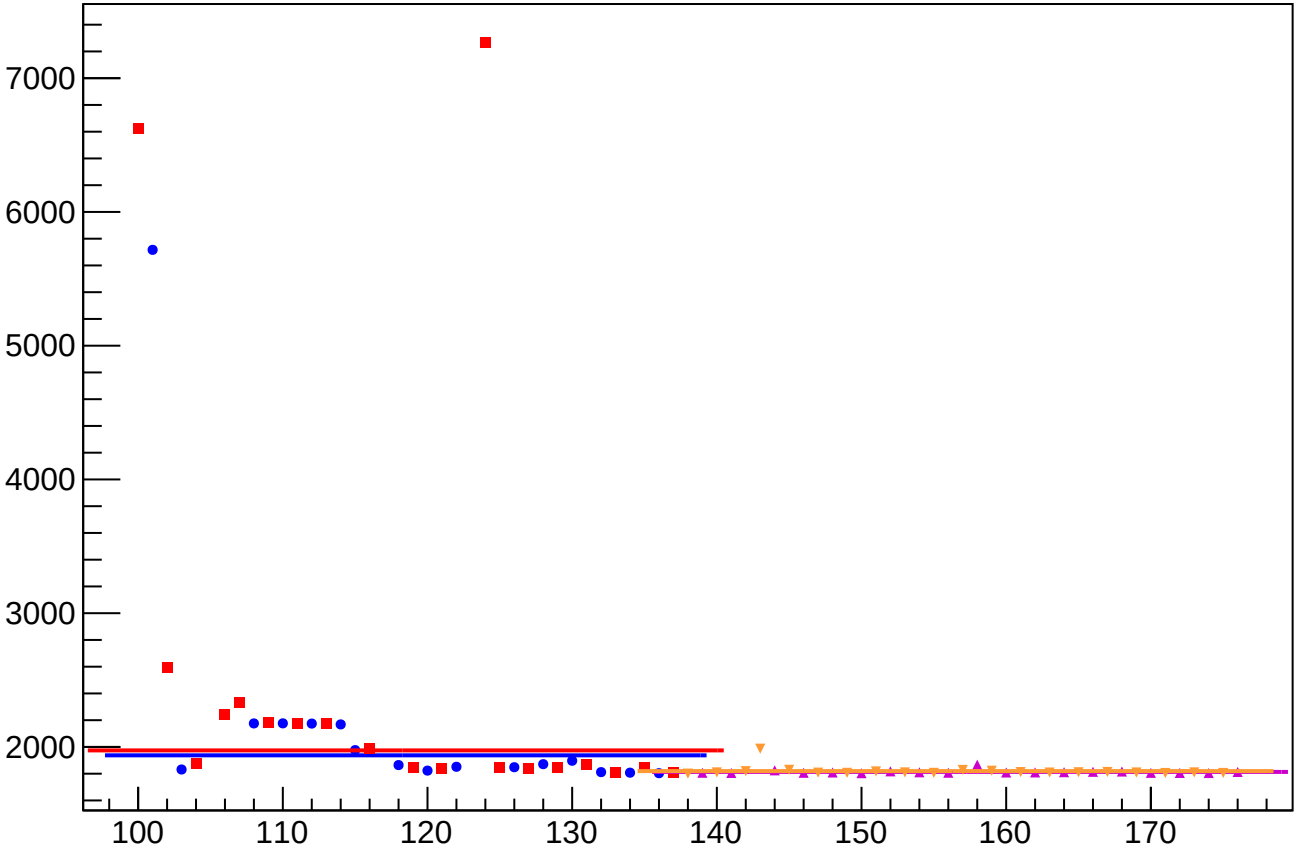
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2000.202+/-390.079 χ^2/NDF:42.4/34

Out: 2018.800+/-388.268 χ^2/NDF:39.2/38

All: 2009.544+/-275.185 χ^2/NDF: 81.6/73

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

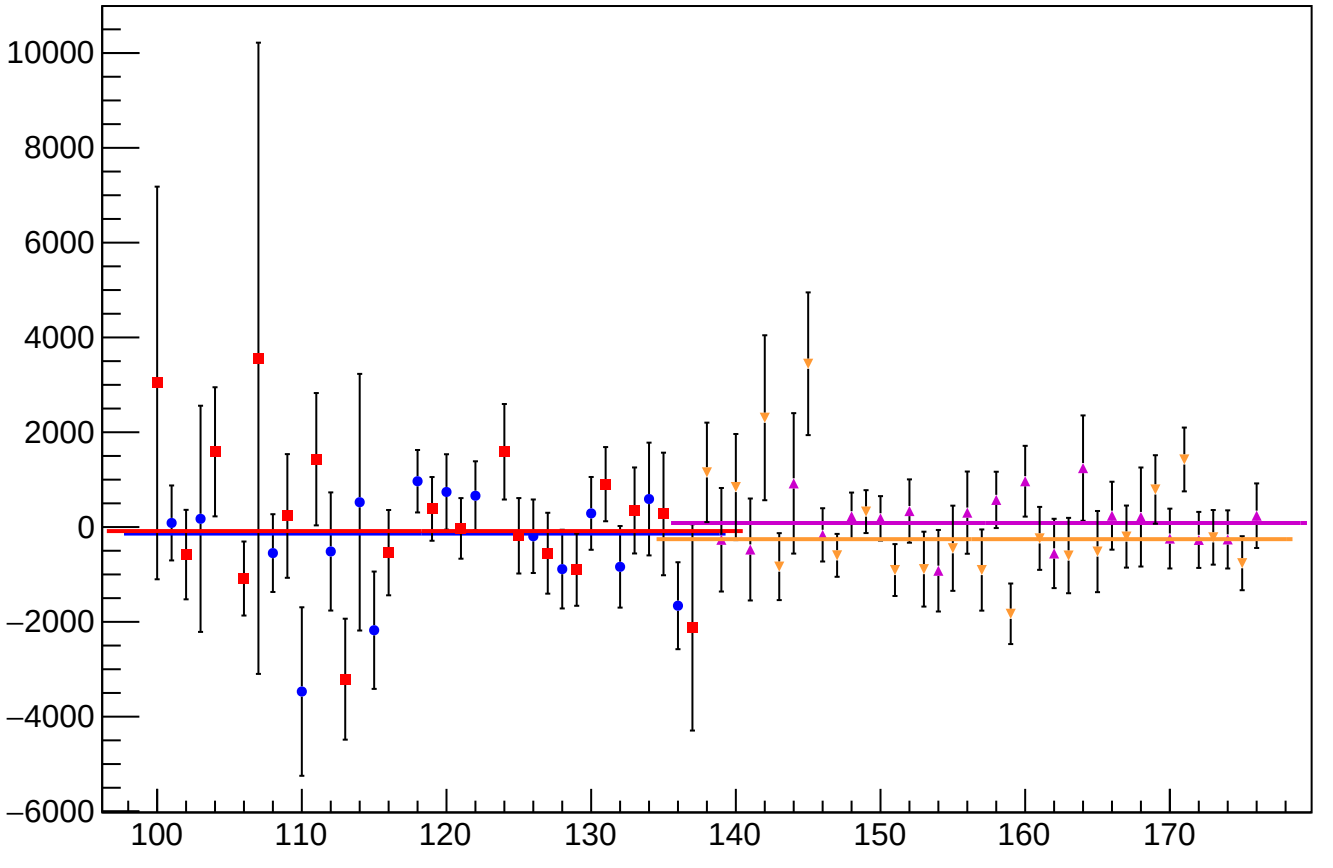
Left: 1816.337+/-0.229 χ^2/NDF: 14650.2/38

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1848.047+/-0.276 χ^2/NDF:680739.0/34

Out: 1862.303+/-0.275 χ^2/NDF:456741.0/38

All: 1855.208+/-0.195 χ^2/NDF: 1138822.0/73



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 85.485+/-159.793 χ^2/NDF:7.6/18

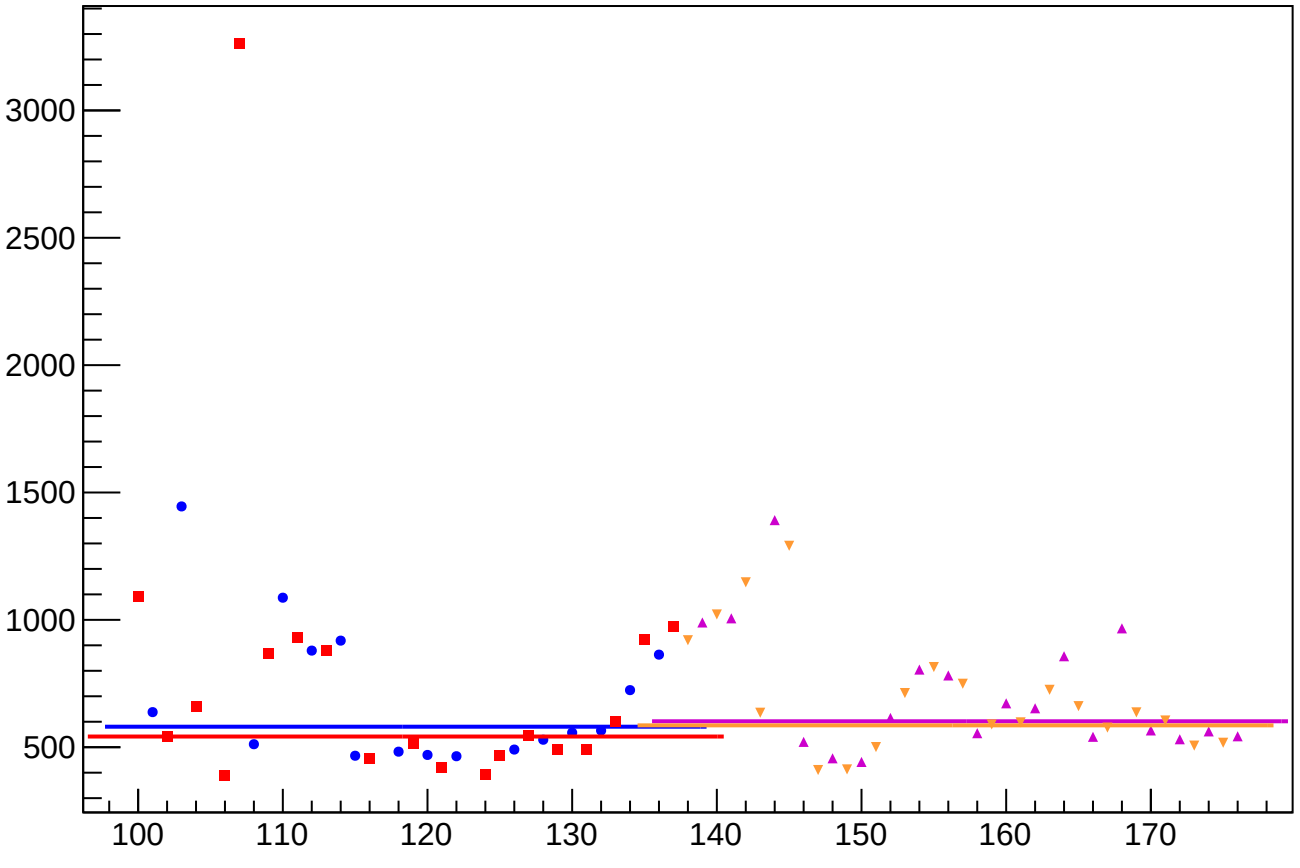
Left: -90.936+/-110.993 χ^2/NDF: 42.0/38

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 13.059+/-131.301 χ^2/NDF:25.1/34

Out: -199.851+/-126.673 χ^2/NDF:51.7/38

All: -97.215+/-91.163 χ^2/NDF: 78.2/73



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

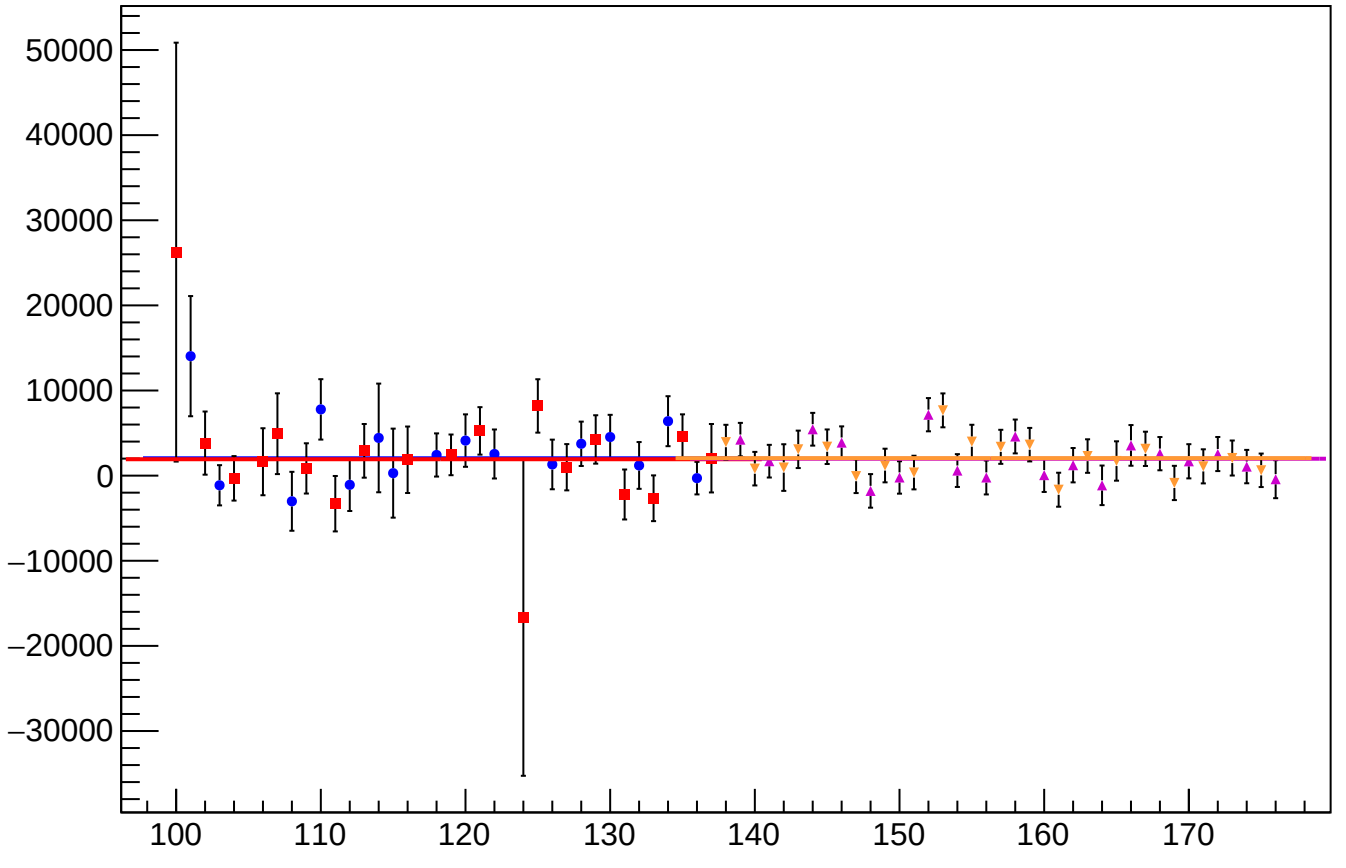
Left: 593.528+/-0.078 χ^2/NDF: 4431129.6/38

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.900+/-0.093 χ^2/NDF:3220684.7/34

Out: 571.504+/-0.090 χ^2/NDF:3586017.7/38

All: 582.782+/-0.064 χ^2/NDF: 6839590.7/73



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2054.295+/-456.701 χ^2/NDF:20.8/19

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 1985.120+/-459.949 χ^2/NDF:26.0/18

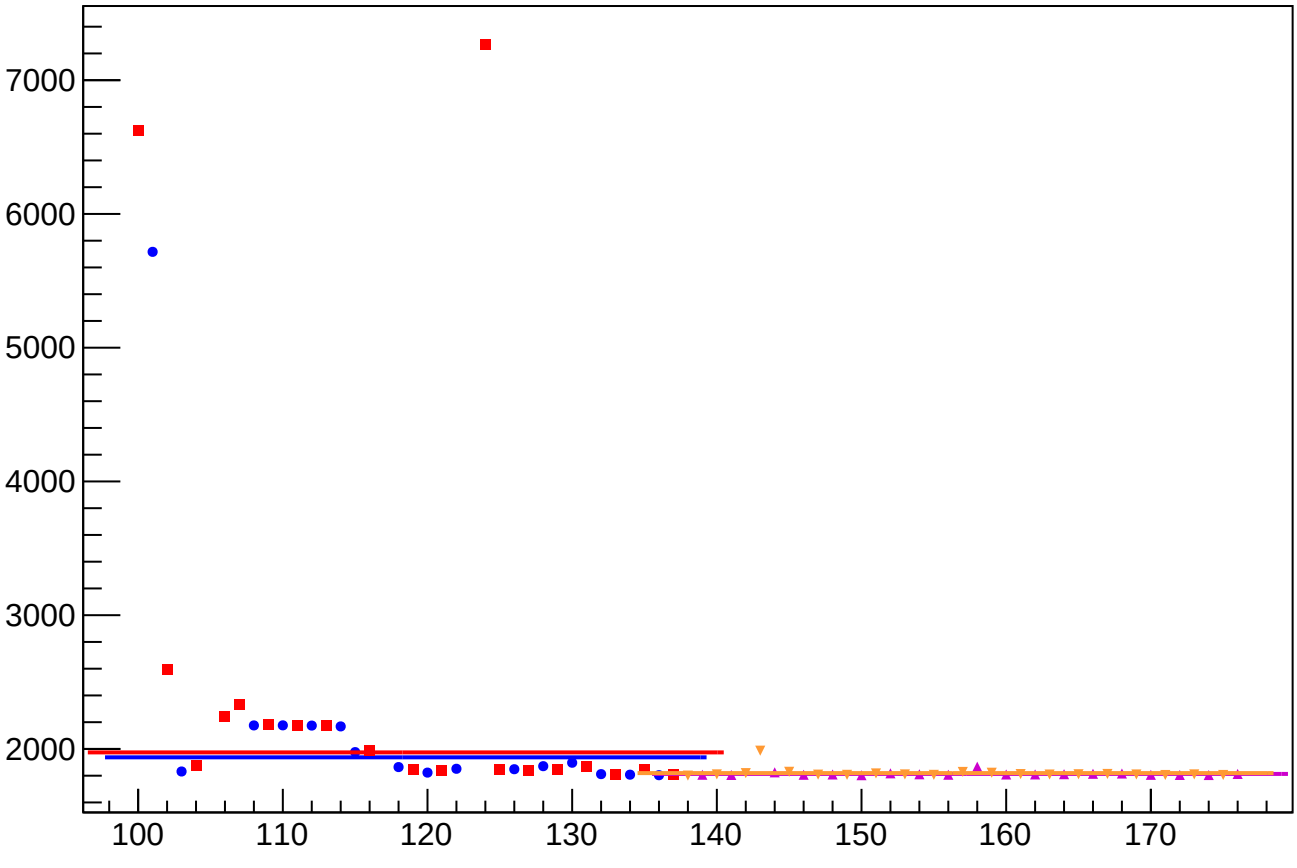
Left: 2019.953+/-324.079 χ^2/NDF: 46.7/38

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2000.202+/-390.079 χ^2/NDF:42.4/34

Out: 2018.800+/-388.268 χ^2/NDF:39.2/38

All: 2009.544+/-275.185 χ^2/NDF: 81.6/73



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.400+/-0.323 χ^2/NDF:12645.7/19

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

Left: 1816.337+/-0.229 χ^2/NDF: 14650.2/38

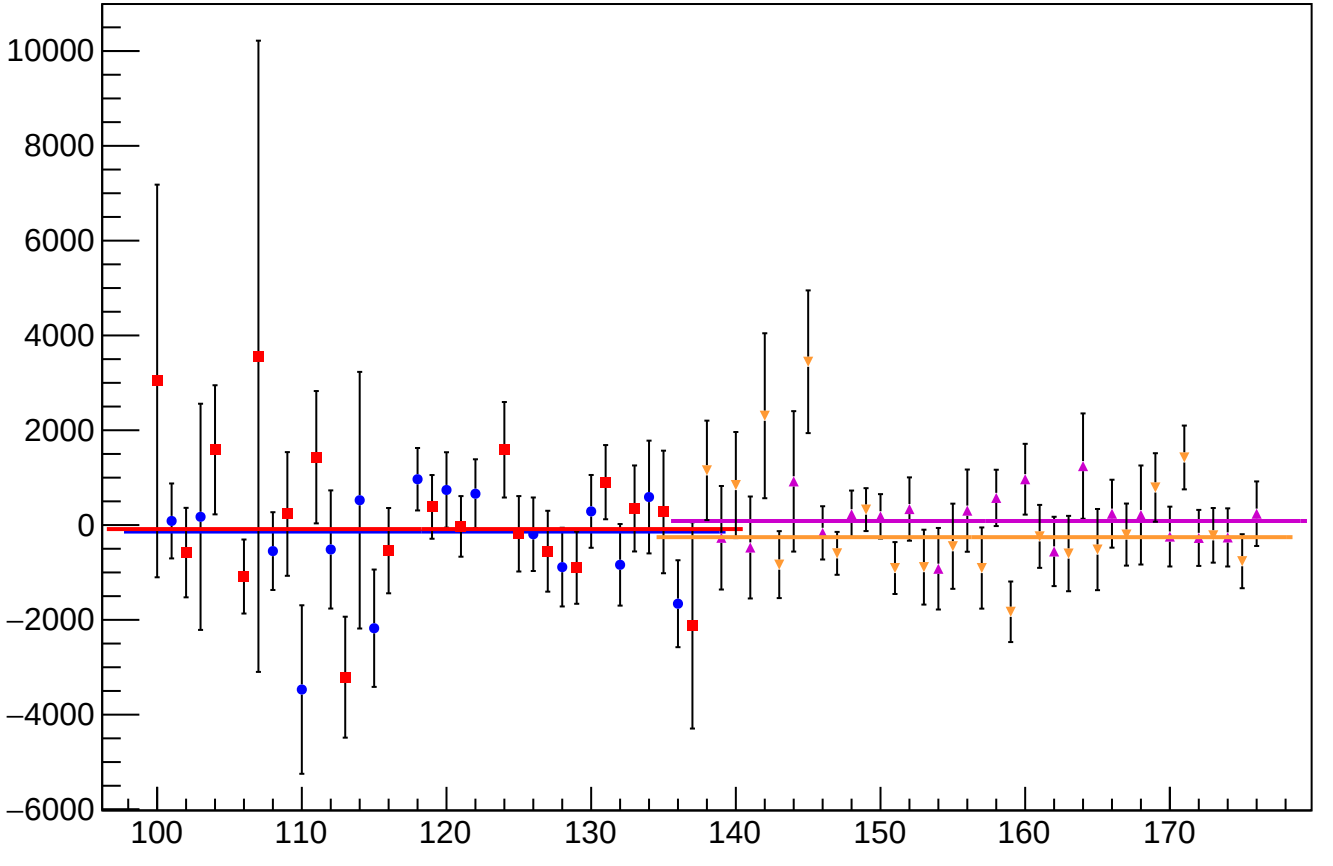
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1848.047+/-0.276 χ^2/NDF:680739.0/34

Out: 1862.303+/-0.275 χ^2/NDF:456741.0/38

All: 1855.208+/-0.195 χ^2/NDF: 1138822.0/73

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -255.410+/-154.287 χ^2/NDF:32.1/19

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 85.485+/-159.793 χ^2/NDF:7.6/18

Left: -90.936+/-110.993 χ^2/NDF: 42.0/38

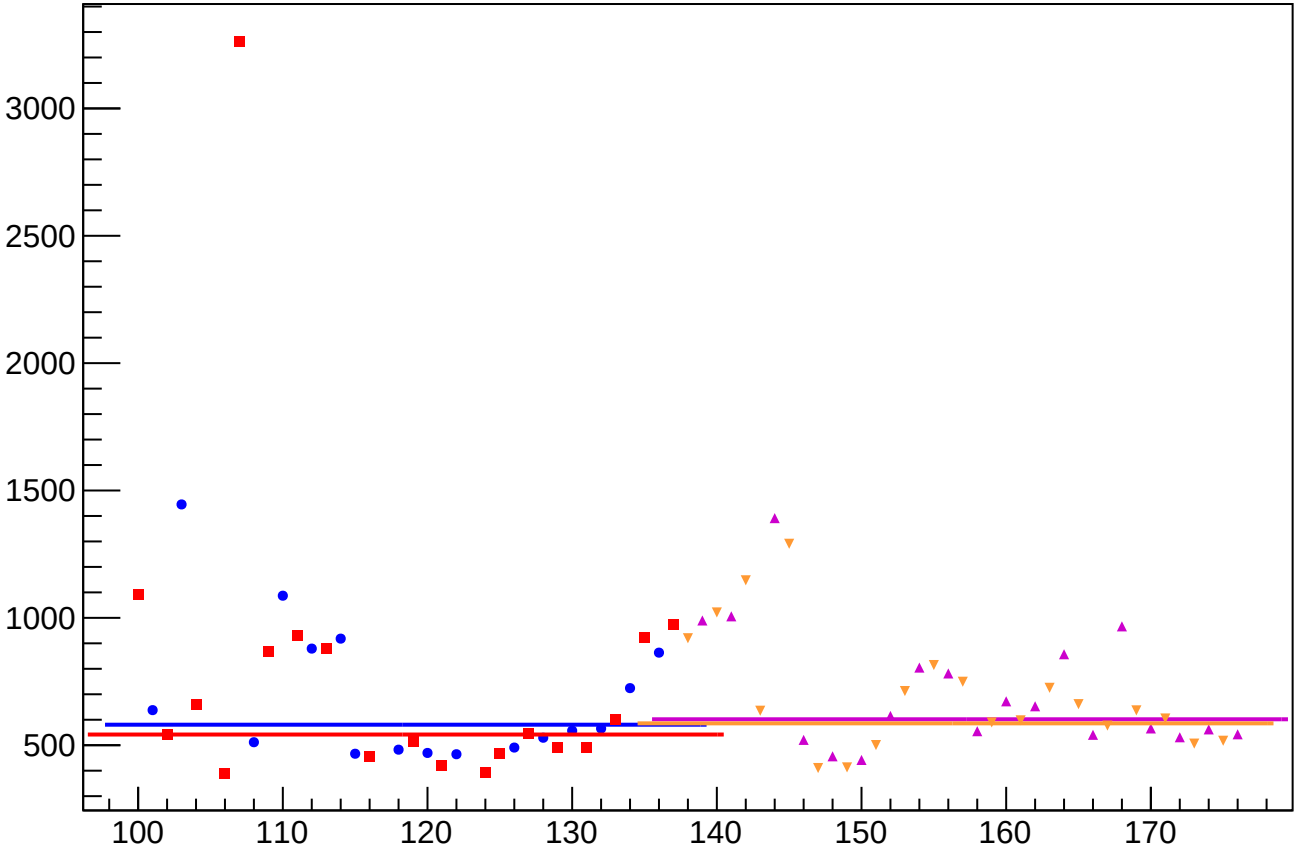
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 13.059+/-131.301 χ^2/NDF:25.1/34

Out: -199.851+/-126.673 χ^2/NDF:51.7/38

All: -97.215+/-91.163 χ^2/NDF: 78.2/73

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: 585.800+/-0.109 χ^2/NDF:2214486.3/19

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

Left: 593.528+/-0.078 χ^2/NDF: 4431129.6/38

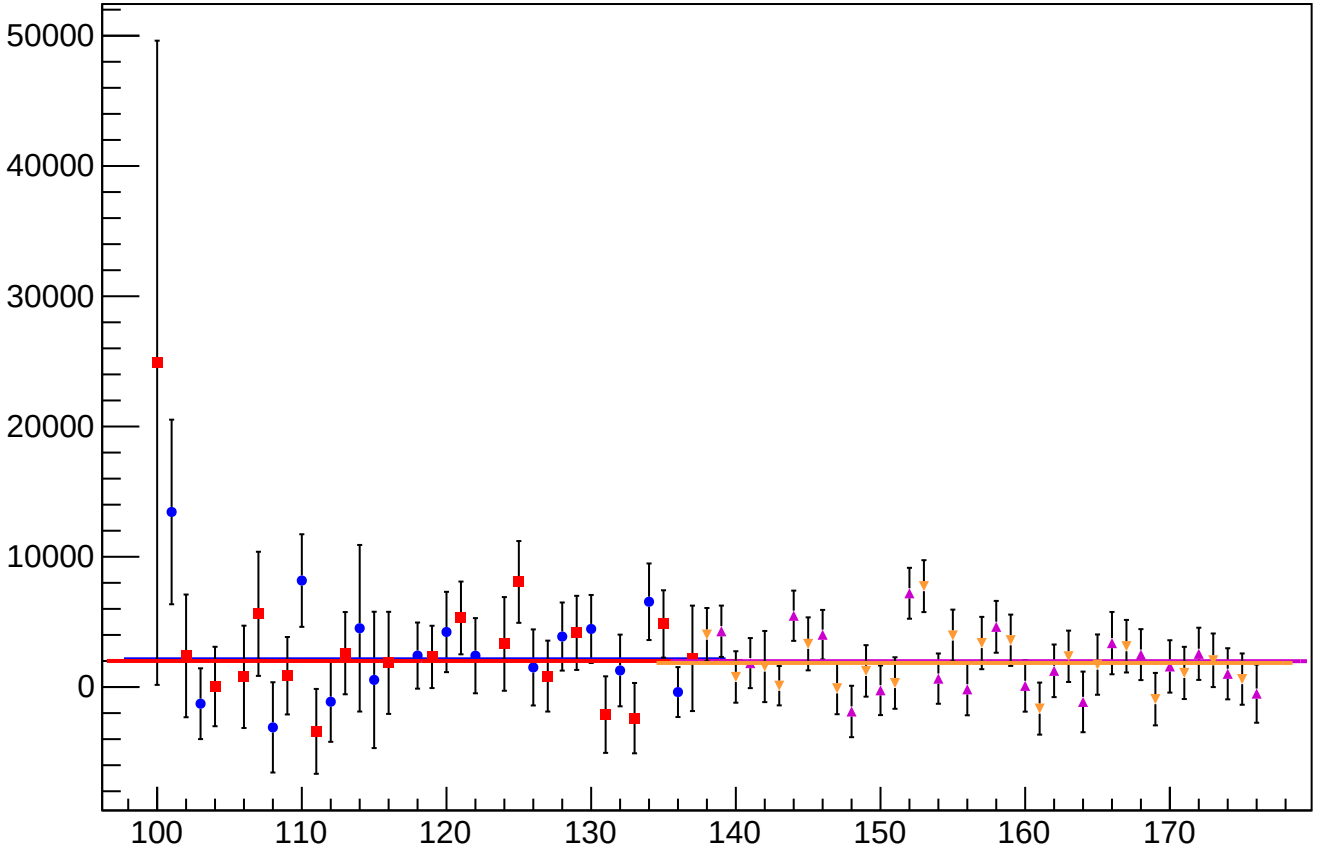
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.900+/-0.093 χ^2/NDF:3220684.7/34

Out: 571.504+/-0.090 χ^2/NDF:3586017.7/38

All: 582.782+/-0.064 χ^2/NDF: 6839590.7/73

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 1985.270+/-460.432 χ^2/NDF:26.4/18

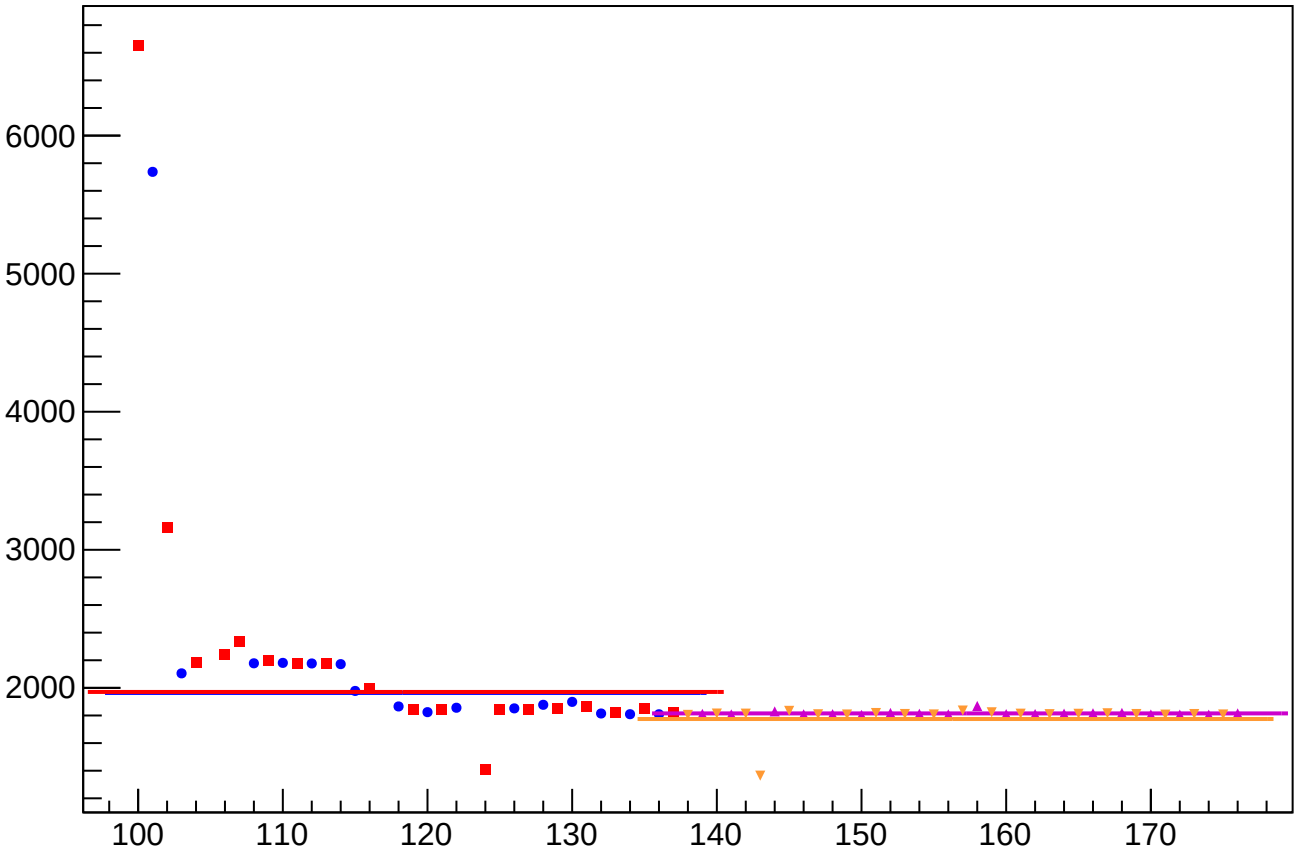
Left: 1915.464+/-320.527 χ^2/NDF: 48.6/38

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2024.830+/-391.848 χ^2/NDF:42.9/34

Out: 1890.723+/-381.897 χ^2/NDF:39.0/38

All: 1956.052+/-273.492 χ^2/NDF: 81.9/73



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.6/19

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

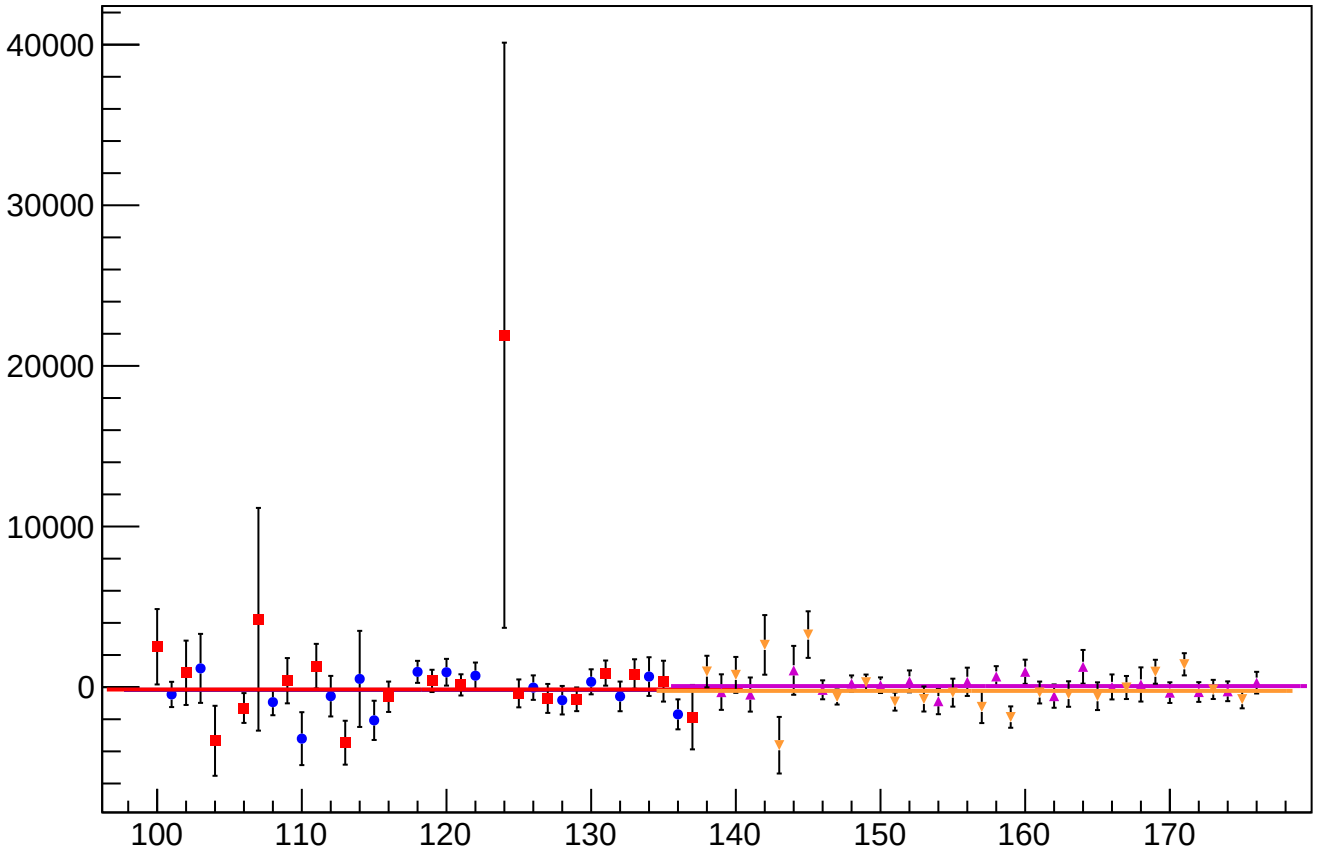
Left: 1794.144+/-0.227 χ^2/NDF: 172330.7/38

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1856.006+/-0.277 χ^2/NDF:699347.0/34

Out: 1827.034+/-0.270 χ^2/NDF:611000.0/38

All: 1841.147+/-0.193 χ^2/NDF: 1315954.0/73



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 65.280+/-163.205 χ^2/NDF:8.1/18

Left: -84.958+/-115.098 χ^2/NDF: 44.2/38

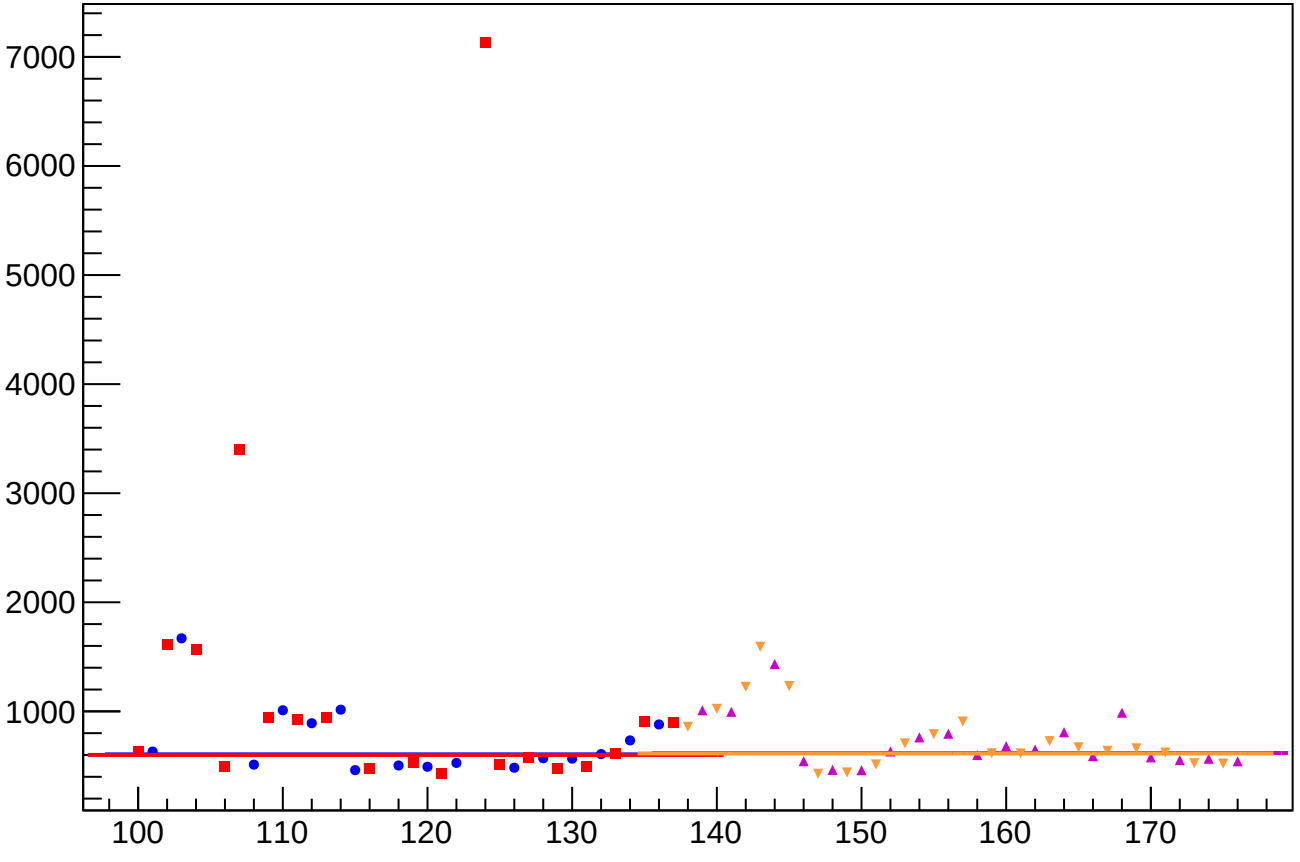
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -10.689+/-134.401 χ^2/NDF:26.1/34

Out: -207.017+/-134.965 χ^2/NDF:54.6/38

All: -108.442+/-95.234 χ^2/NDF: 81.7/73

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 613.853+/-0.115 χ^2/NDF:2662243.7/19

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 618.067+/-0.115 χ^2/NDF:2049569.1/18

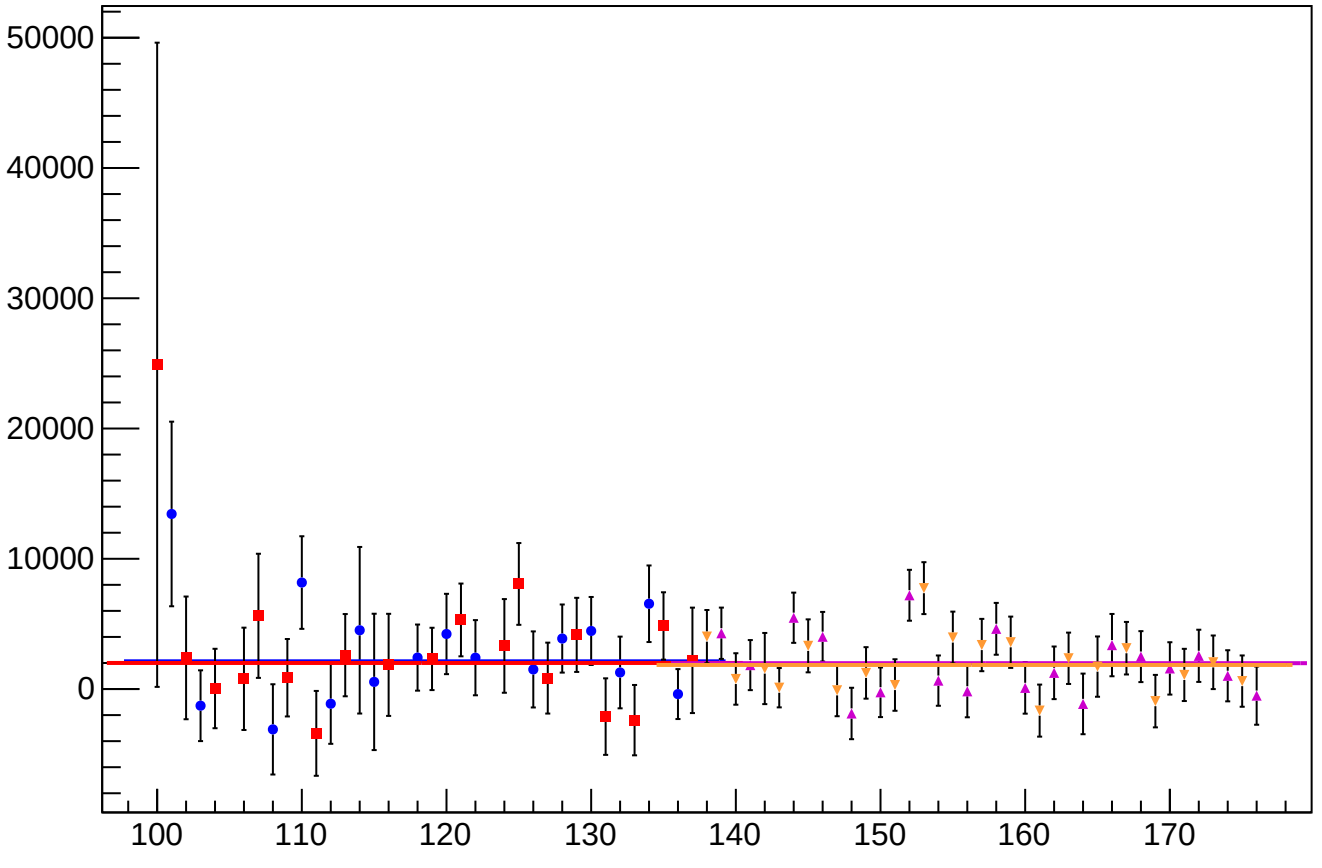
Left: 615.949+/-0.081 χ^2/NDF: 4712483.1/38

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 614.000+/-0.095 χ^2/NDF:3215883.0/34

Out: 609.712+/-0.095 χ^2/NDF:4994979.9/38

All: 611.865+/-0.067 χ^2/NDF: 8211876.4/73



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1849.826+/-446.478 χ^2/NDF:22.2/19

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 1985.270+/-460.432 χ^2/NDF:26.4/18

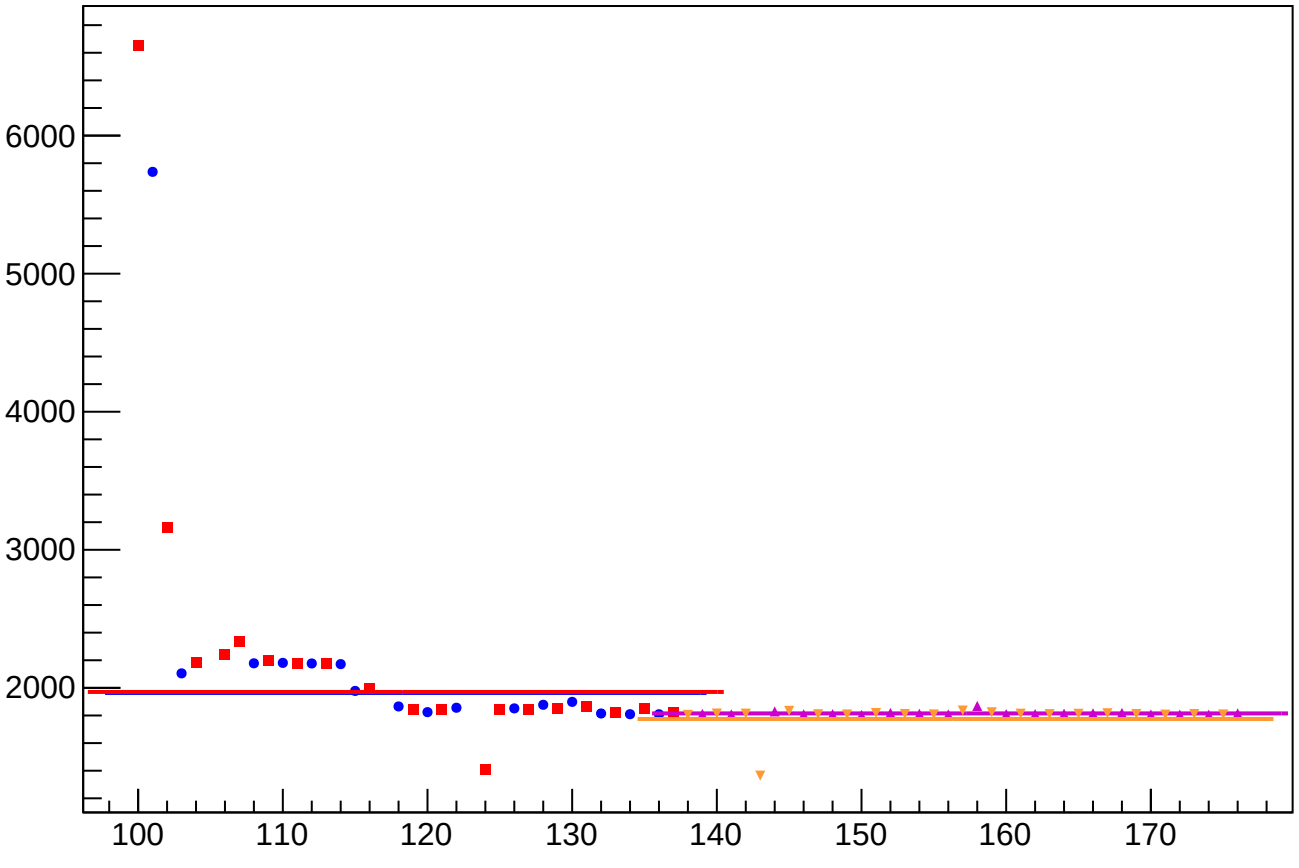
Left: 1915.465+/-320.527 χ^2/NDF: 48.6/38

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2024.830+/-391.848 χ^2/NDF:42.9/34

Out: 1890.723+/-381.897 χ^2/NDF:39.0/38

All: 1956.052+/-273.492 χ^2/NDF: 81.9/73



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1774.425+/-0.316 χ^2/NDF:162394.5/19

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

Left: 1794.144+/-0.227 χ^2/NDF: 172330.7/38

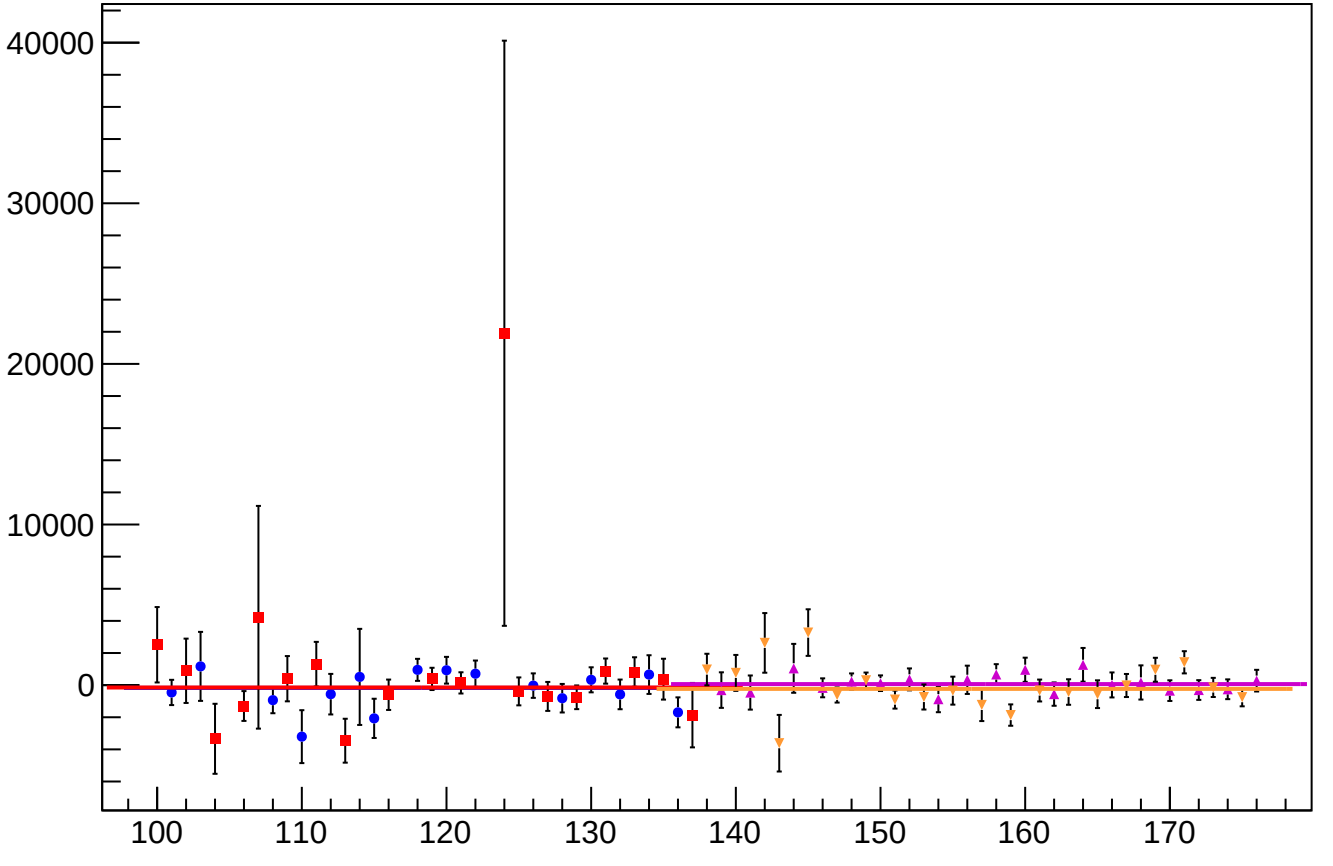
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1856.005+/-0.277 χ^2/NDF:699346.5/34

Out: 1827.034+/-0.270 χ^2/NDF:610998.4/38

All: 1841.147+/-0.193 χ^2/NDF: 1315952.0/73

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: -233.620+/-162.346 χ^2/NDF:34.4/19

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 65.280+/-163.205 χ^2/NDF:8.1/18

Left: -84.959+/-115.098 χ^2/NDF: 44.2/38

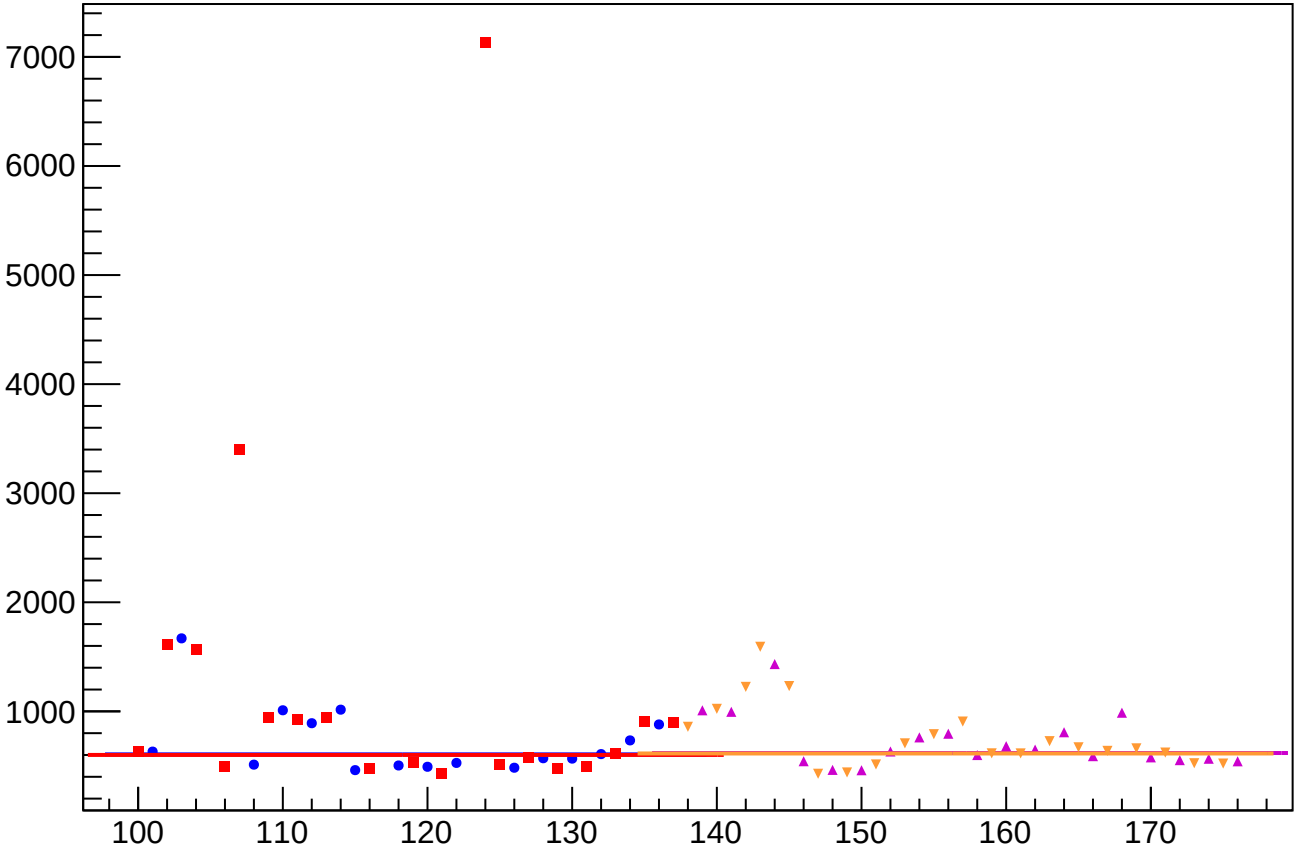
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -10.689+/-134.401 χ^2/NDF:26.1/34

Out: -207.017+/-134.965 χ^2/NDF:54.6/38

All: -108.442+/-95.235 χ^2/NDF: 81.7/73

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 613.854+/-0.115 χ^2/NDF:2662237.3/19

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 618.068+/-0.115 χ^2/NDF:2049564.6/18

Left: 615.950+/-0.081 χ^2/NDF: 4712472.2/38

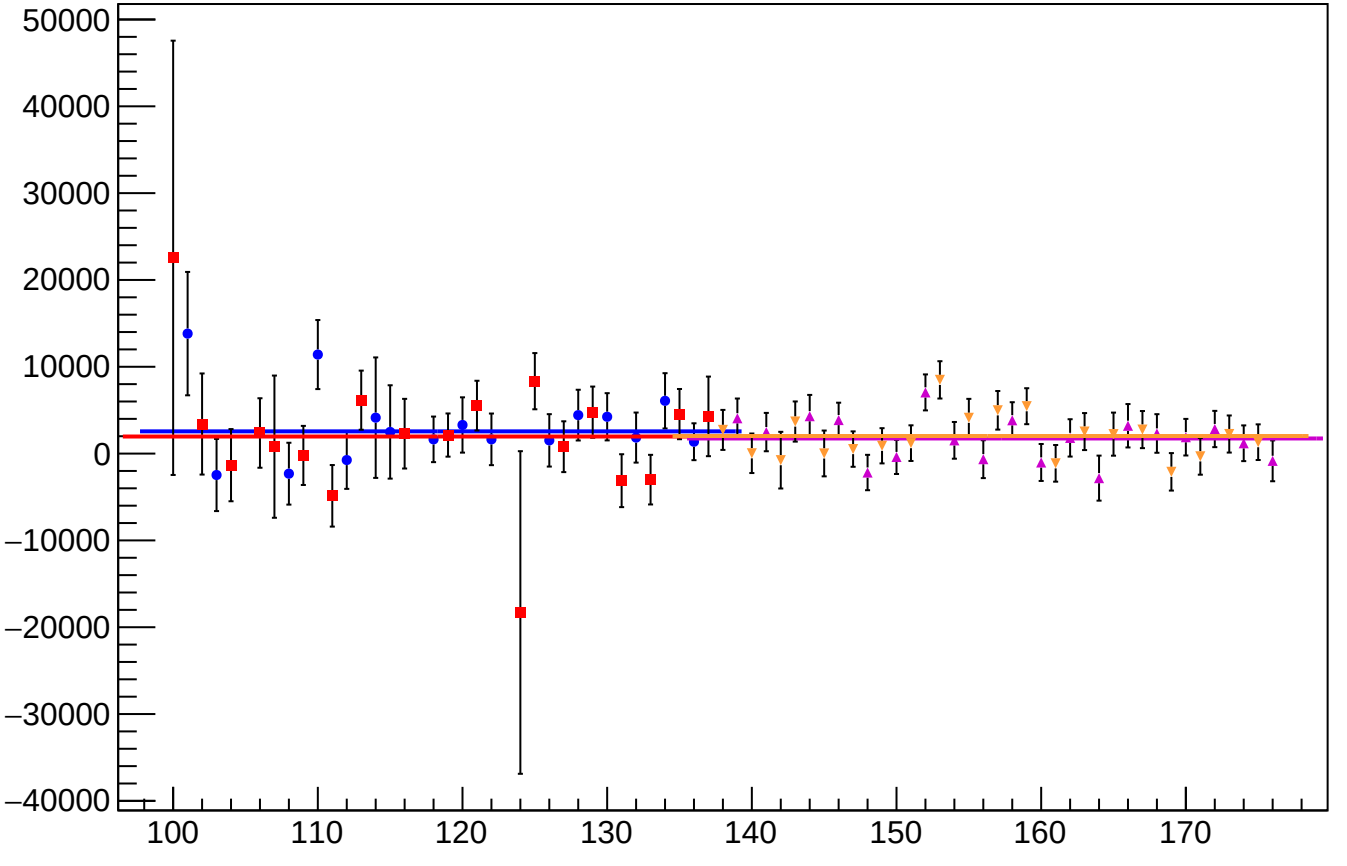
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 614.000+/-0.095 χ^2/NDF:3215887.7/34

Out: 609.713+/-0.095 χ^2/NDF:4994982.7/38

All: 611.865+/-0.067 χ^2/NDF: 8211883.9/73

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2023.524+/-493.334 χ^2/NDF:25.6/19

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1740.660+/-497.936 χ^2/NDF:23.8/18

Left: 1883.405+/-350.456 χ^2/NDF: 49.6/38

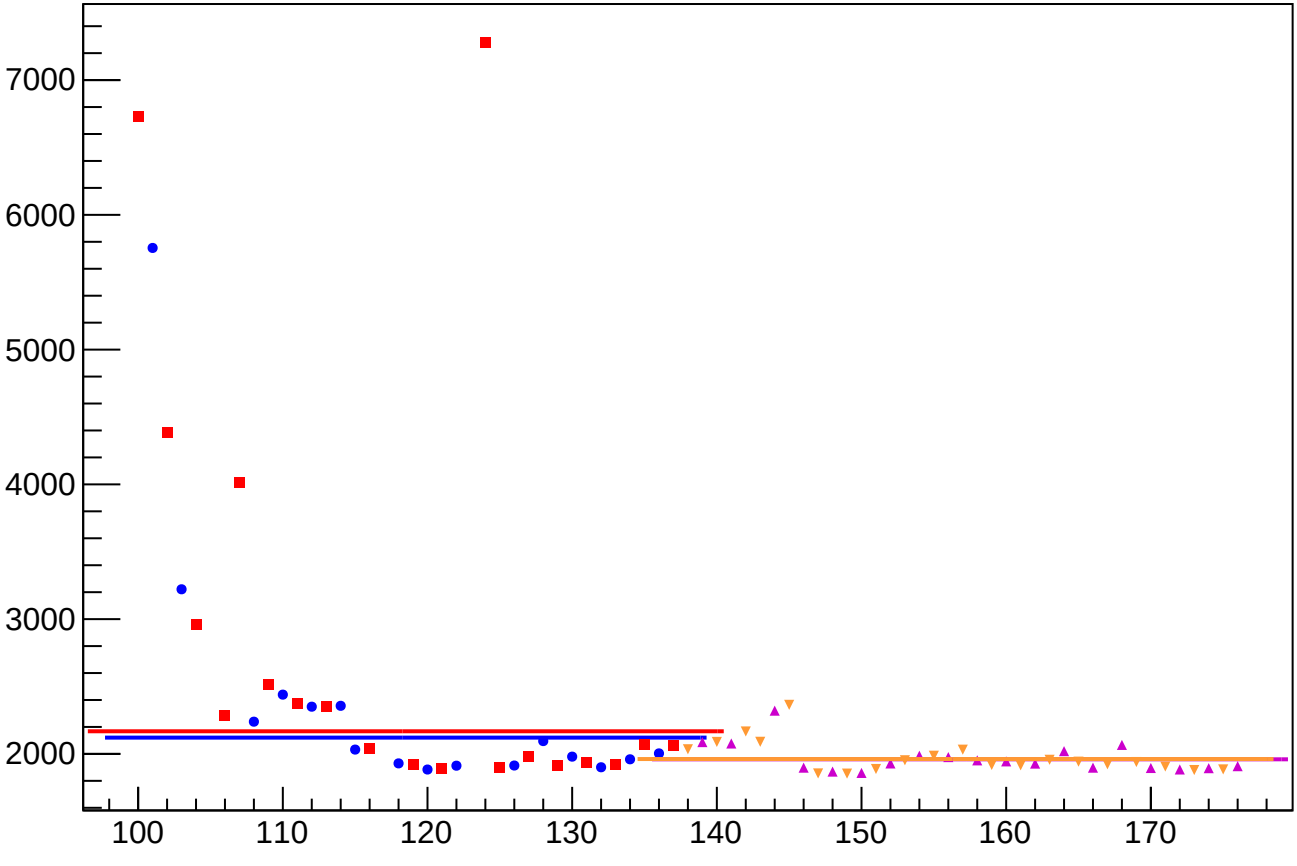
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 1965.775+/-424.145 χ^2/NDF:39.2/34

Out: 2008.399+/-422.568 χ^2/NDF:47.2/38

All: 1987.166+/-299.357 χ^2/NDF: 86.4/73

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1961.797+/-0.349 χ^2/NDF:94665.0/19

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1959.784+/-0.352 χ^2/NDF:82461.0/18

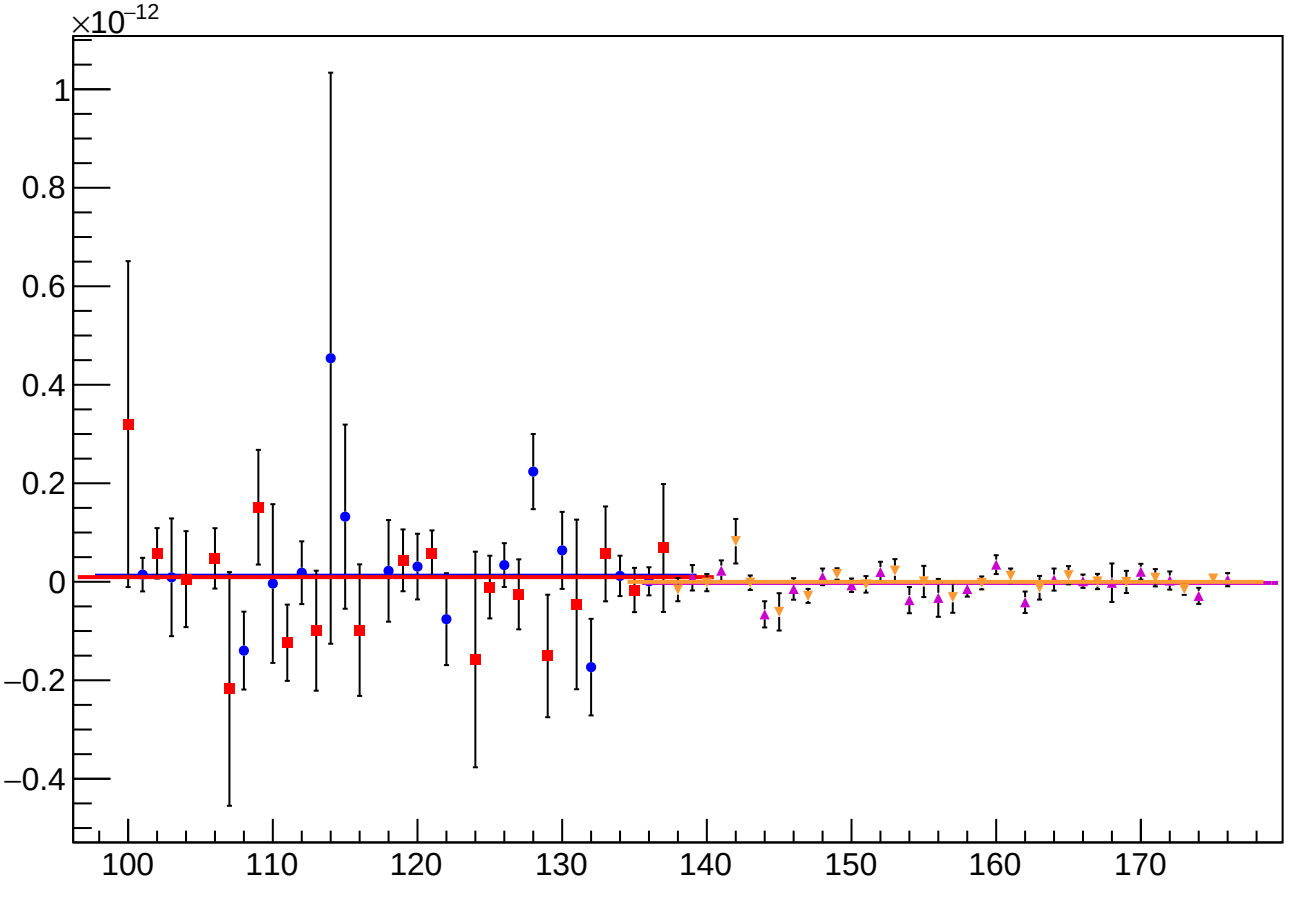
Left: 1960.800+/-0.248 χ^2/NDF: 177142.5/38

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2003.965+/-0.300 χ^2/NDF:899805.7/34

Out: 2016.669+/-0.299 χ^2/NDF:1011500.0/38

All: 2010.341+/-0.212 χ^2/NDF: 1912206.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/18

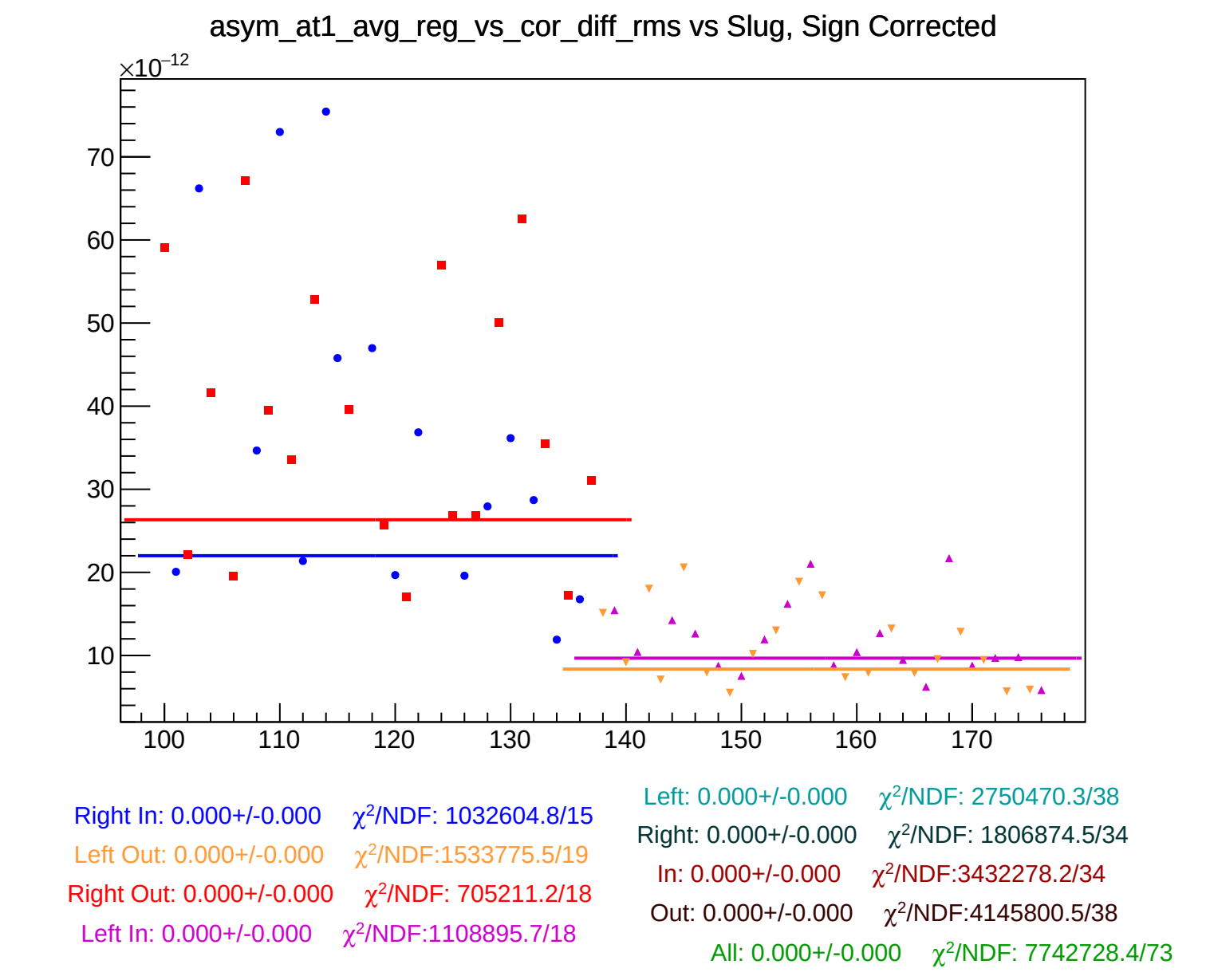
Left: -0.000+/-0.000 χ^2/NDF: 42.8/38

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

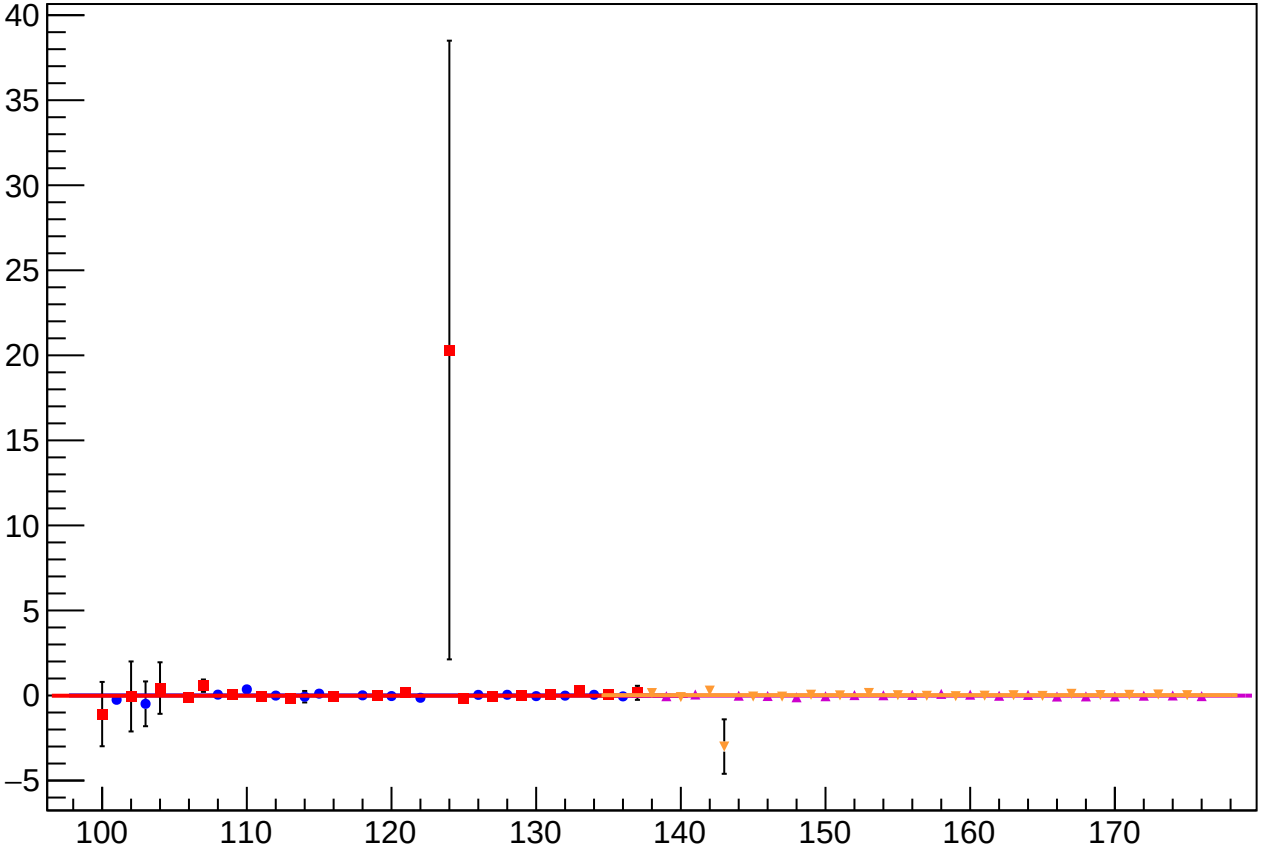
In: -0.000+/-0.000 χ^2/NDF:43.3/34

Out: 0.000+/-0.000 χ^2/NDF:32.1/38

All: -0.000+/-0.000 χ^2/NDF: 75.5/73


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:1533775.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1108895.7/18
Left: 0.000+/-0.000 χ²/NDF: 2750470.3/38
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3432278.2/34
Out: 0.000+/-0.000 χ²/NDF:4145800.5/38
All: 0.000+/-0.000 χ²/NDF: 7742728.4/73

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

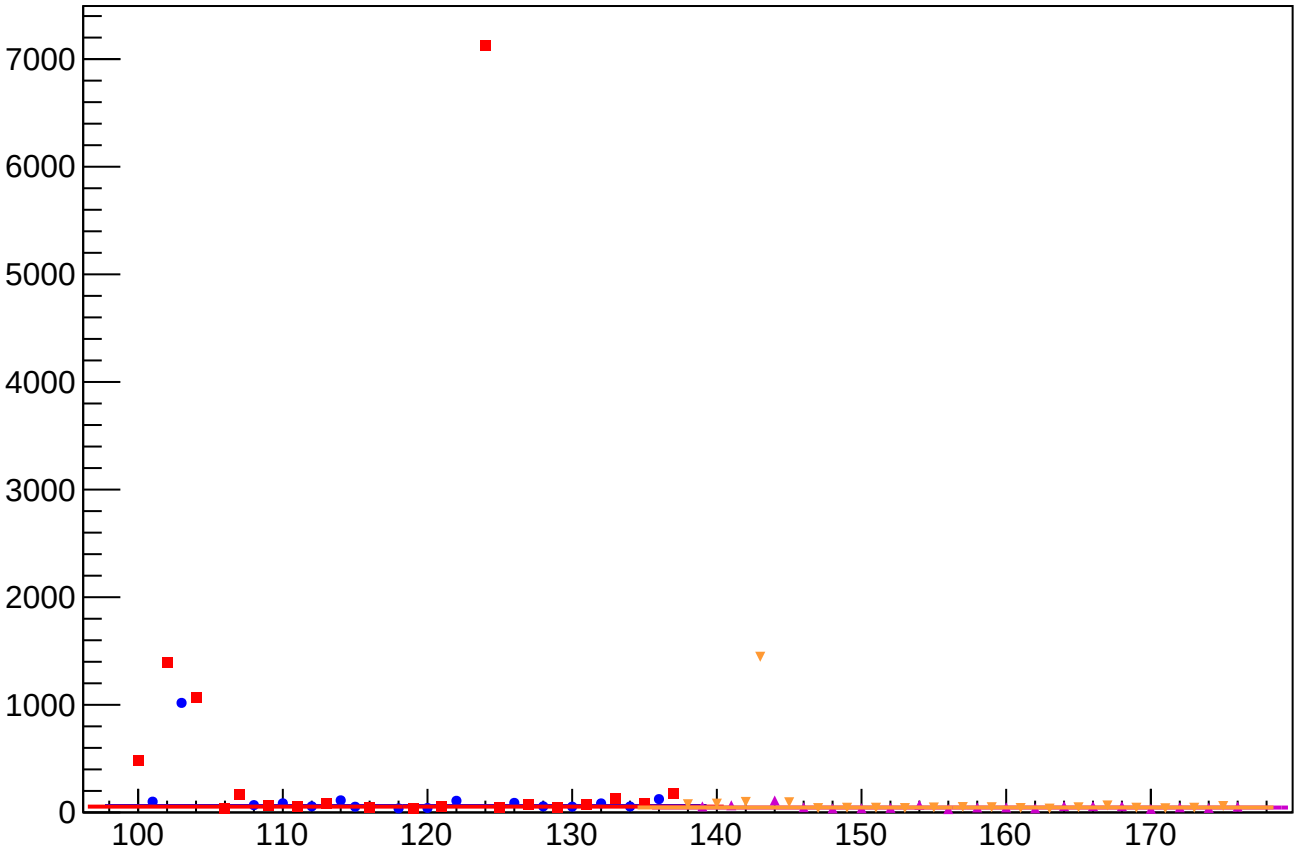
Left: 0.006+/-0.009 χ^2/NDF: 42.1/38

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.5/73



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

Left: 45.952+/-0.007 χ^2/NDF: 4782511.2/38

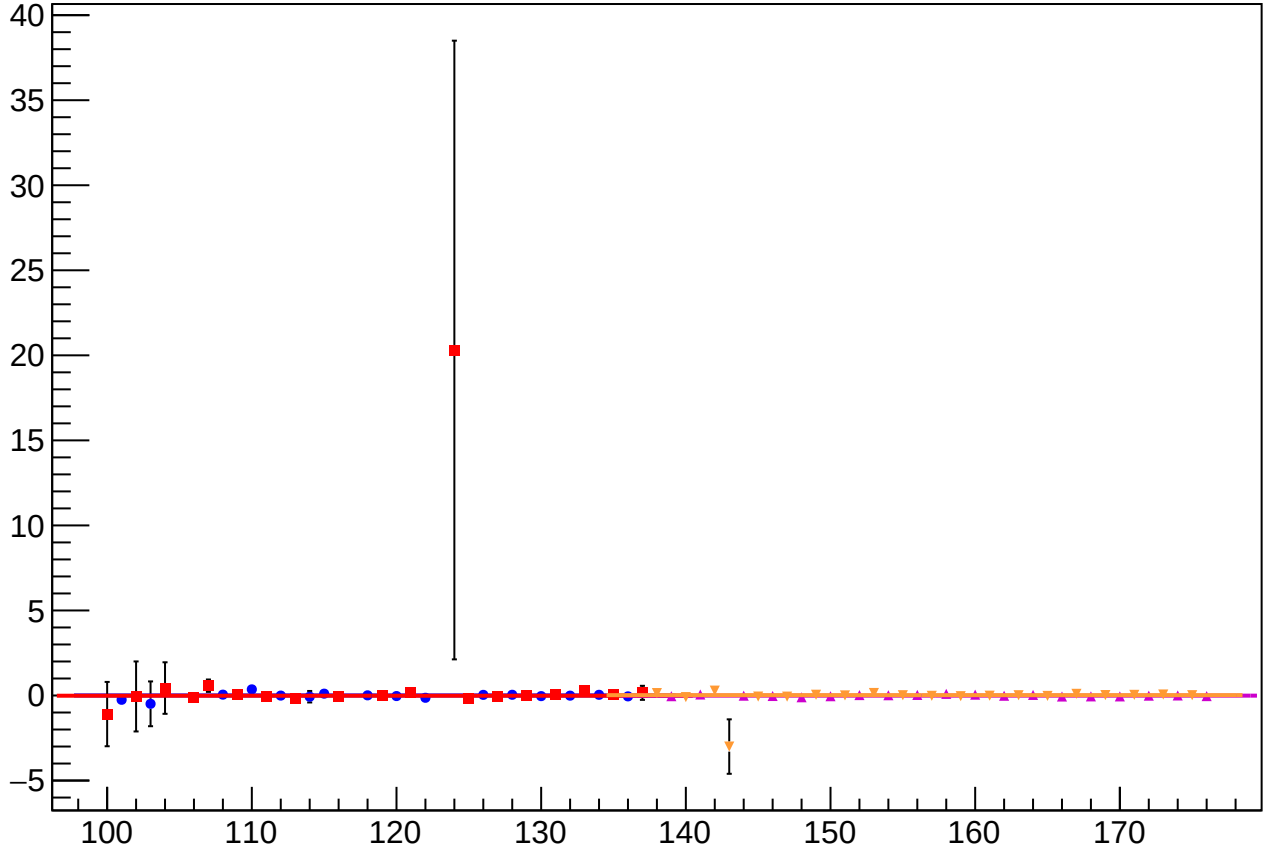
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.323+/-0.008 χ^2/NDF:4714060.3/34

Out: 48.010+/-0.008 χ^2/NDF:6733730.0/38

All: 48.169+/-0.006 χ^2/NDF: 11448497.0/73

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: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.006+/-0.009 χ^2/NDF: 42.1/38

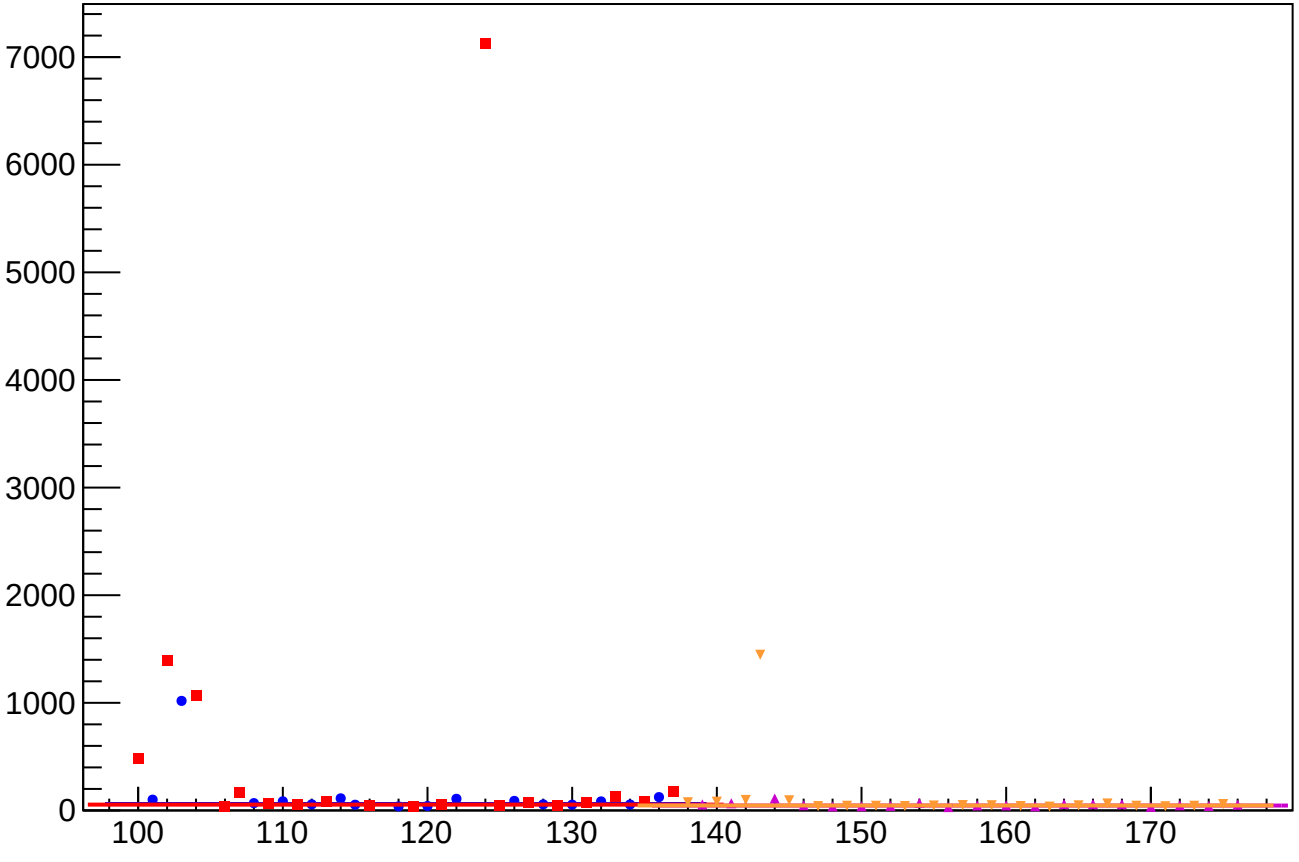
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.5/73

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.338+/-0.009 χ^2/NDF:3063993.2/19

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

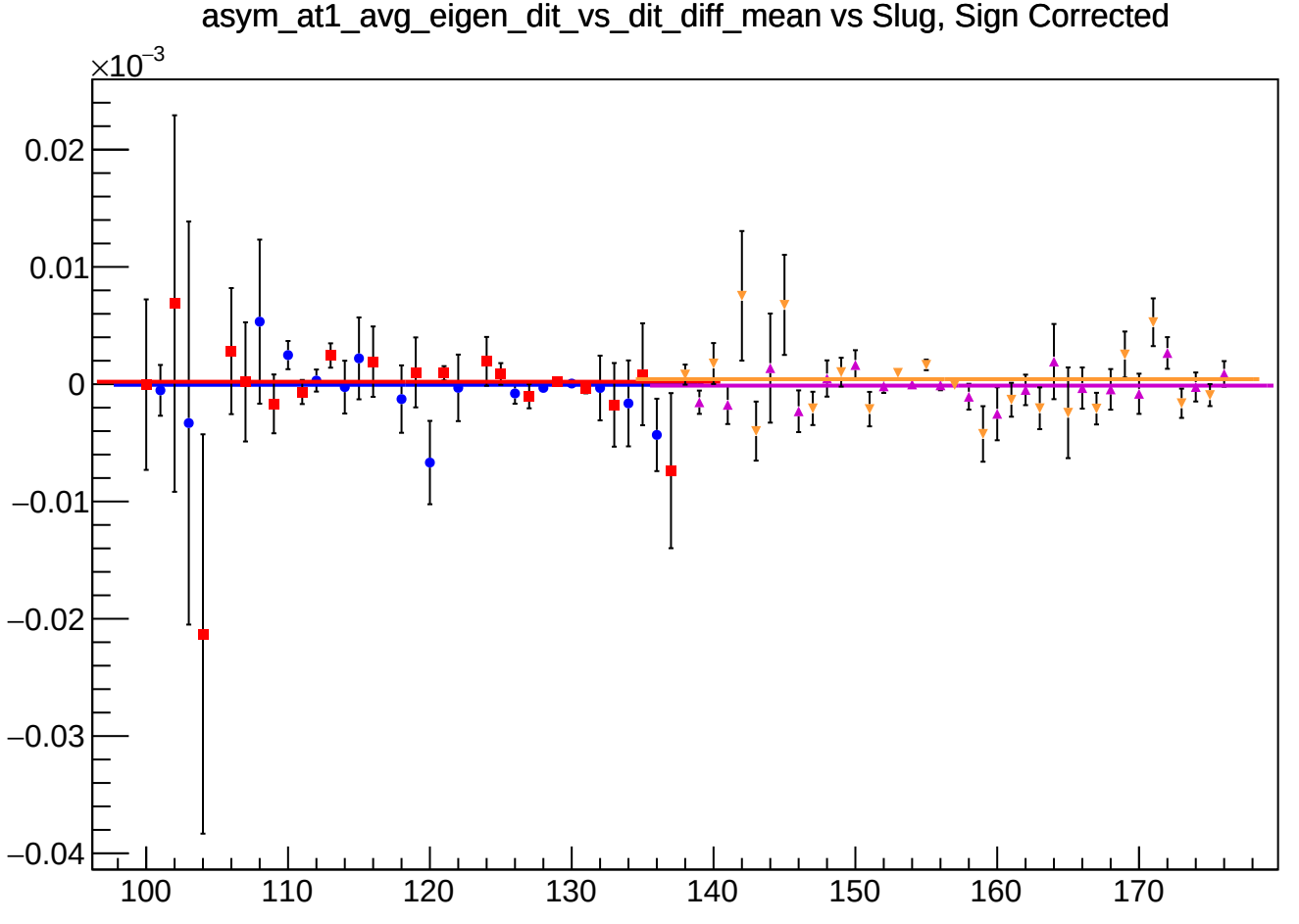
Left: 45.952+/-0.007 χ^2/NDF: 4782511.2/38

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.323+/-0.008 χ^2/NDF:4714060.3/34

Out: 48.010+/-0.008 χ^2/NDF:6733730.0/38

All: 48.169+/-0.006 χ^2/NDF: 11448497.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/18

Left: 0.000+/-0.000 χ^2/NDF: 65.9/38

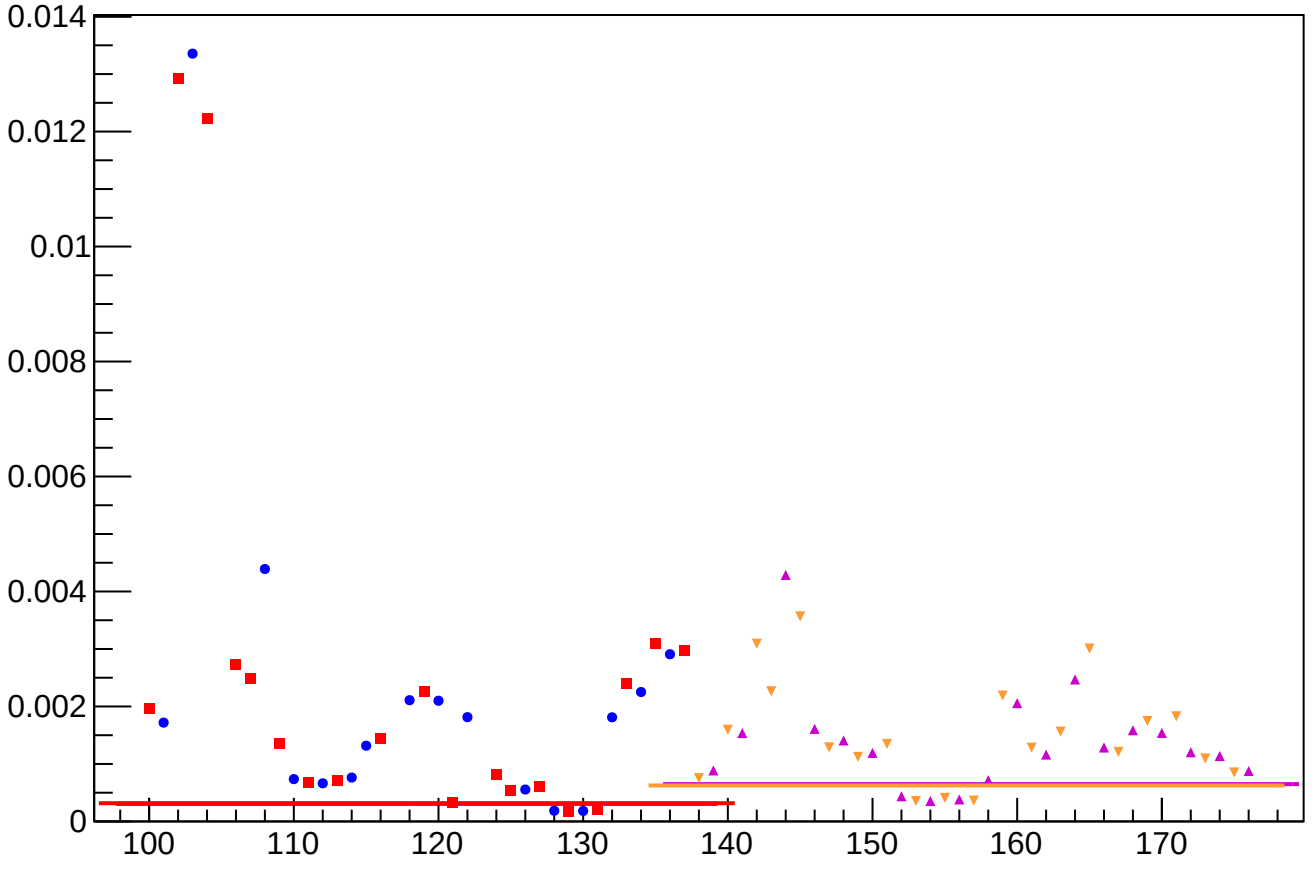
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:27.4/34

Out: 0.000+/-0.000 χ^2/NDF:64.0/38

All: 0.000+/-0.000 χ^2/NDF: 95.5/73

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11115223.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9484300.2/18

Left: 0.001+/-0.000 χ^2/NDF: 20612517.4/38

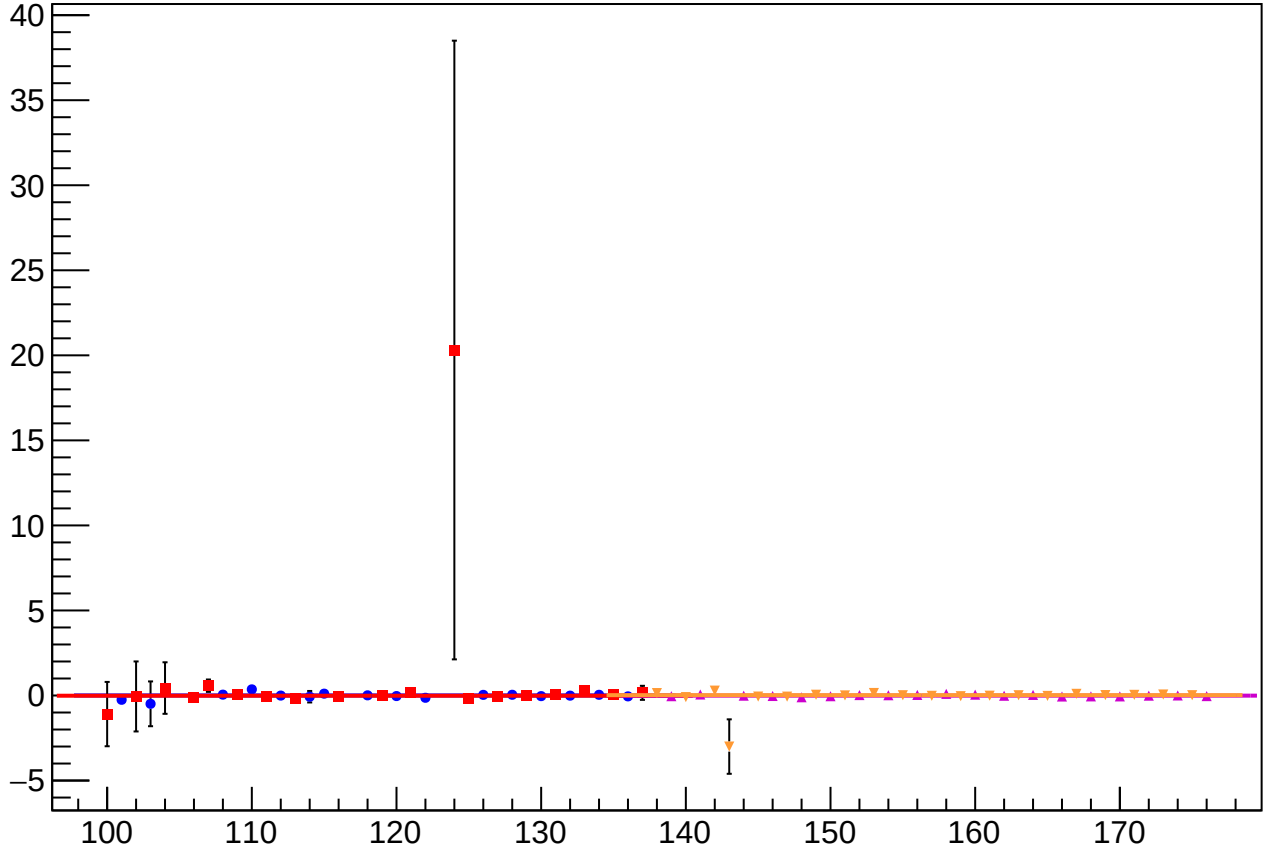
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21124079.2/34

Out: 0.000+/-0.000 χ^2/NDF:21614554.0/38

All: 0.000+/-0.000 χ^2/NDF: 42738633.3/73

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: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.006+/-0.009 χ^2/NDF: 42.1/38

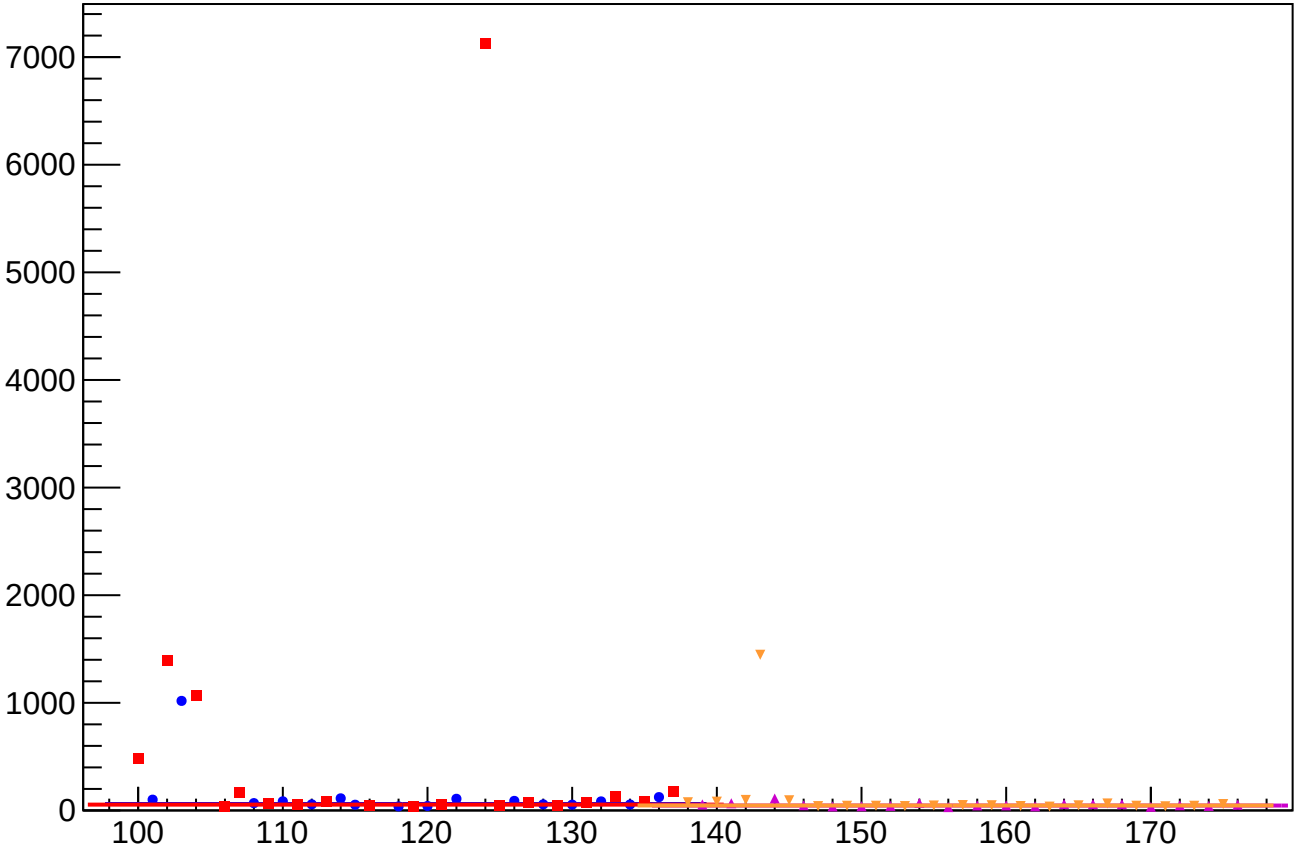
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.5/73

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: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

Left: 45.952+/-0.007 χ^2/NDF: 4782492.2/38

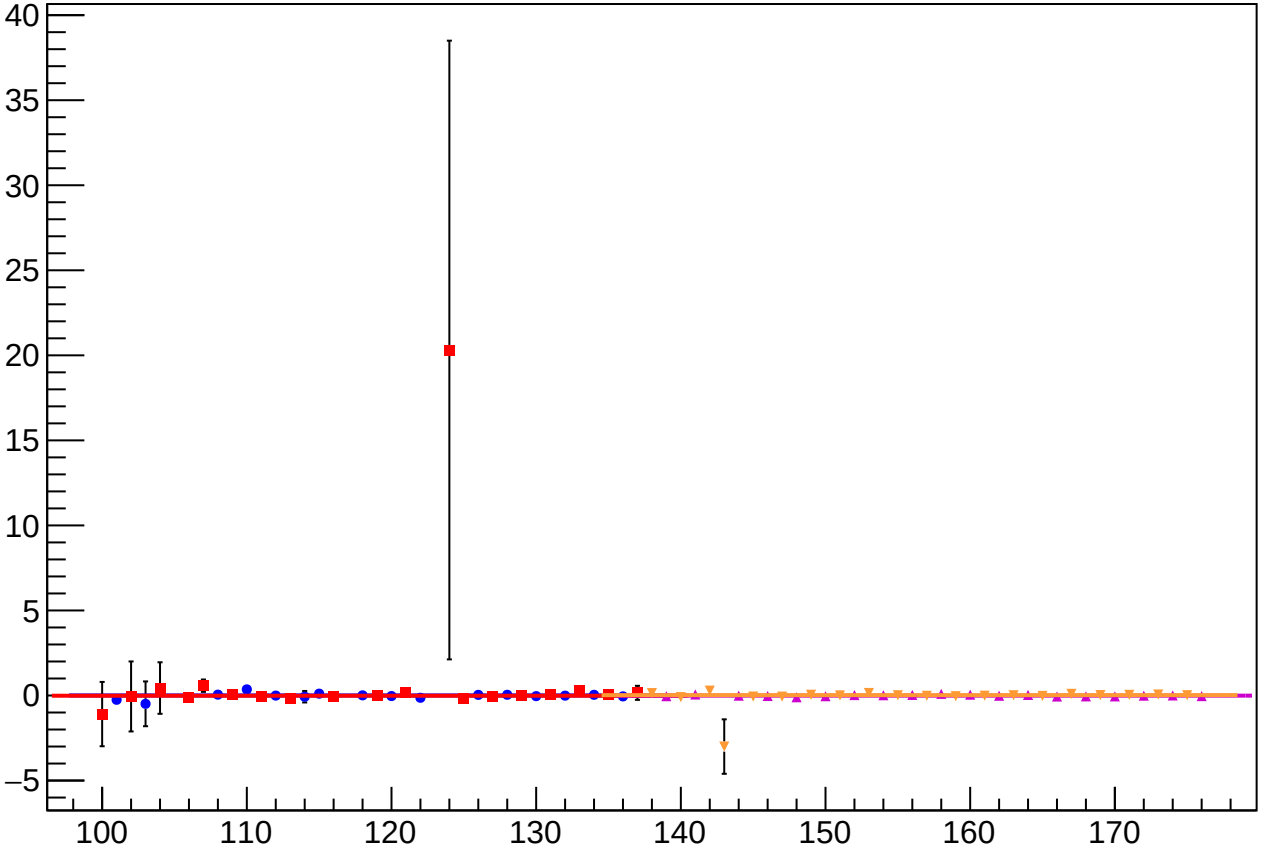
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.323+/-0.008 χ^2/NDF:4714062.9/34

Out: 48.010+/-0.008 χ^2/NDF:6733724.6/38

All: 48.169+/-0.006 χ^2/NDF: 11448494.0/73

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: 0.021+/-0.013 χ^2/NDF:25.0/19

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.006+/-0.009 χ^2/NDF: 42.1/38

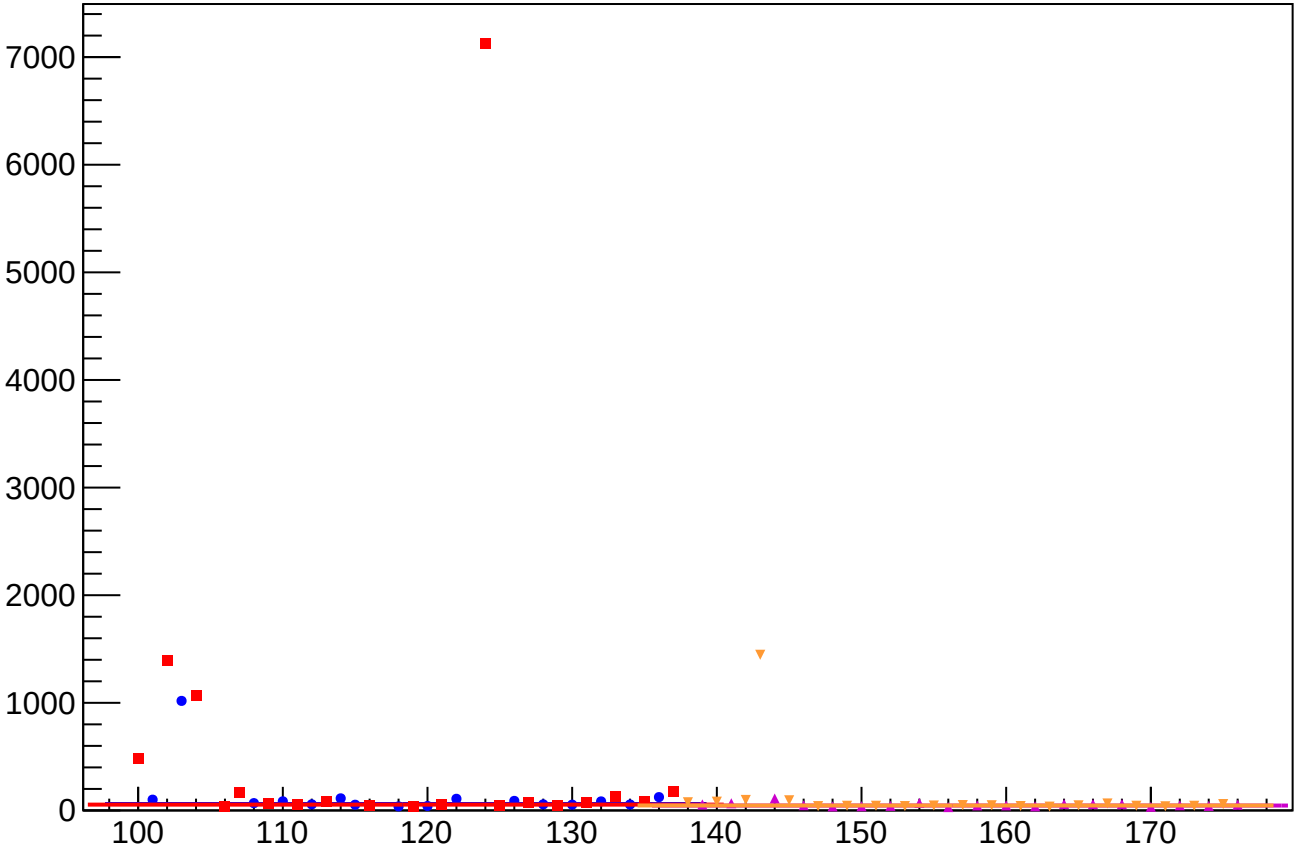
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.014+/-0.012 χ^2/NDF:44.0/38

All: 0.004+/-0.008 χ^2/NDF: 71.5/73

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: 46.339+/-0.009 χ^2/NDF:3063972.6/19

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

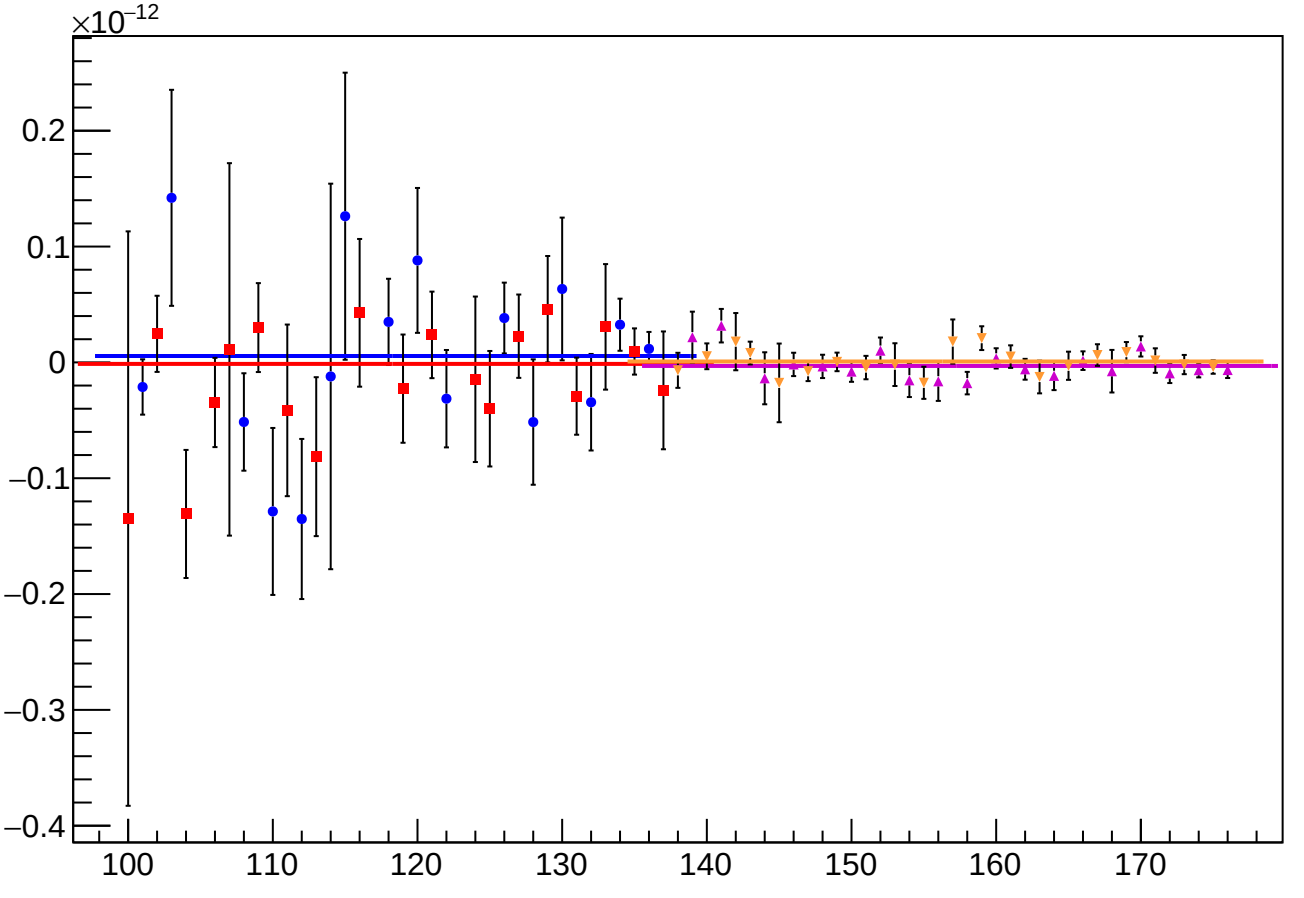
Left: 45.952+/-0.007 χ^2/NDF: 4782492.2/38

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.323+/-0.008 χ^2/NDF:4714062.9/34

Out: 48.010+/-0.008 χ^2/NDF:6733724.6/38

All: 48.169+/-0.006 χ^2/NDF: 11448494.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/18

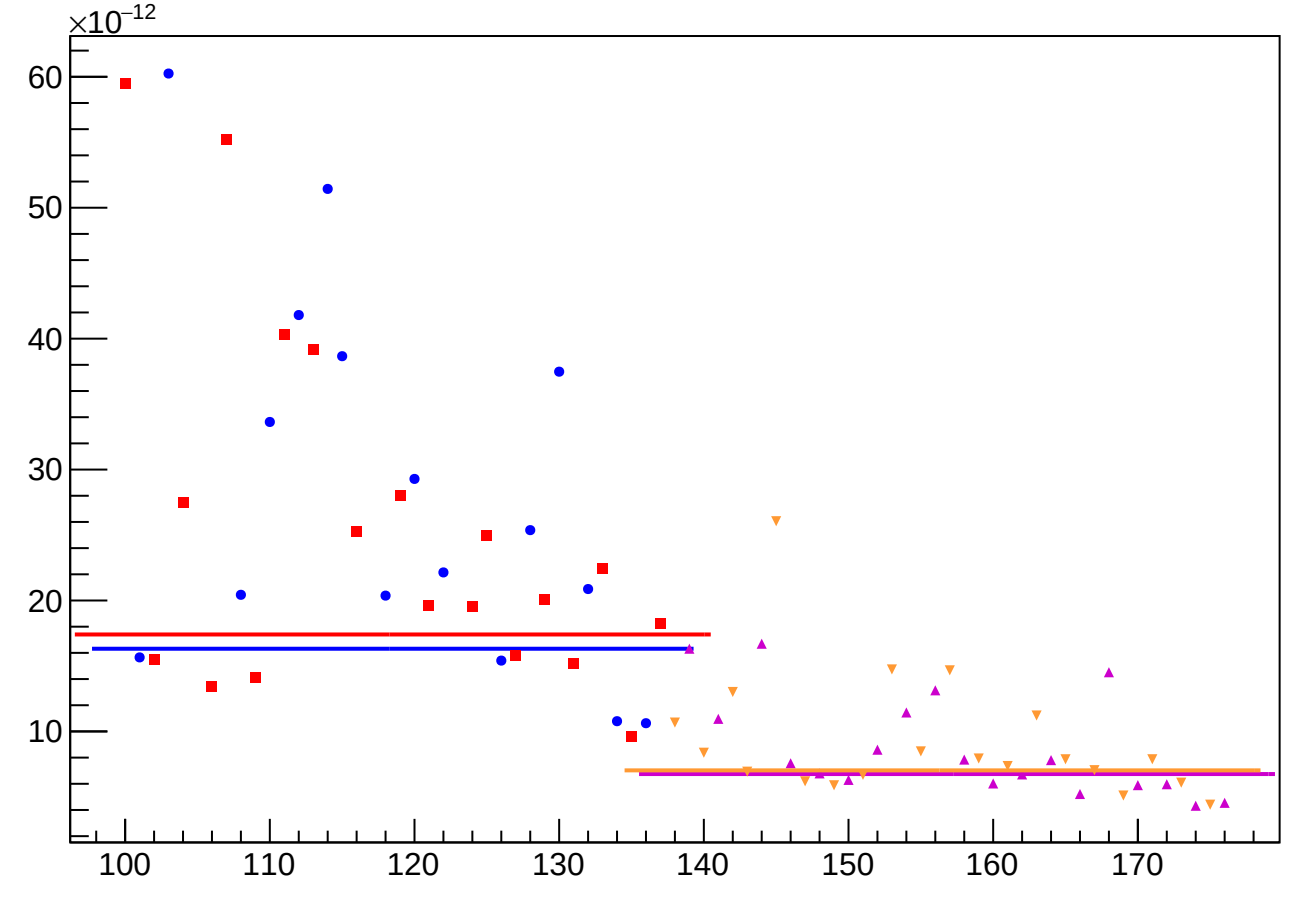
Left: -0.000+/-0.000 χ^2/NDF: 33.1/38

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:42.6/34

Out: 0.000+/-0.000 χ^2/NDF:27.0/38

All: -0.000+/-0.000 χ^2/NDF: 70.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2395307.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2533756.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4943972.2/38

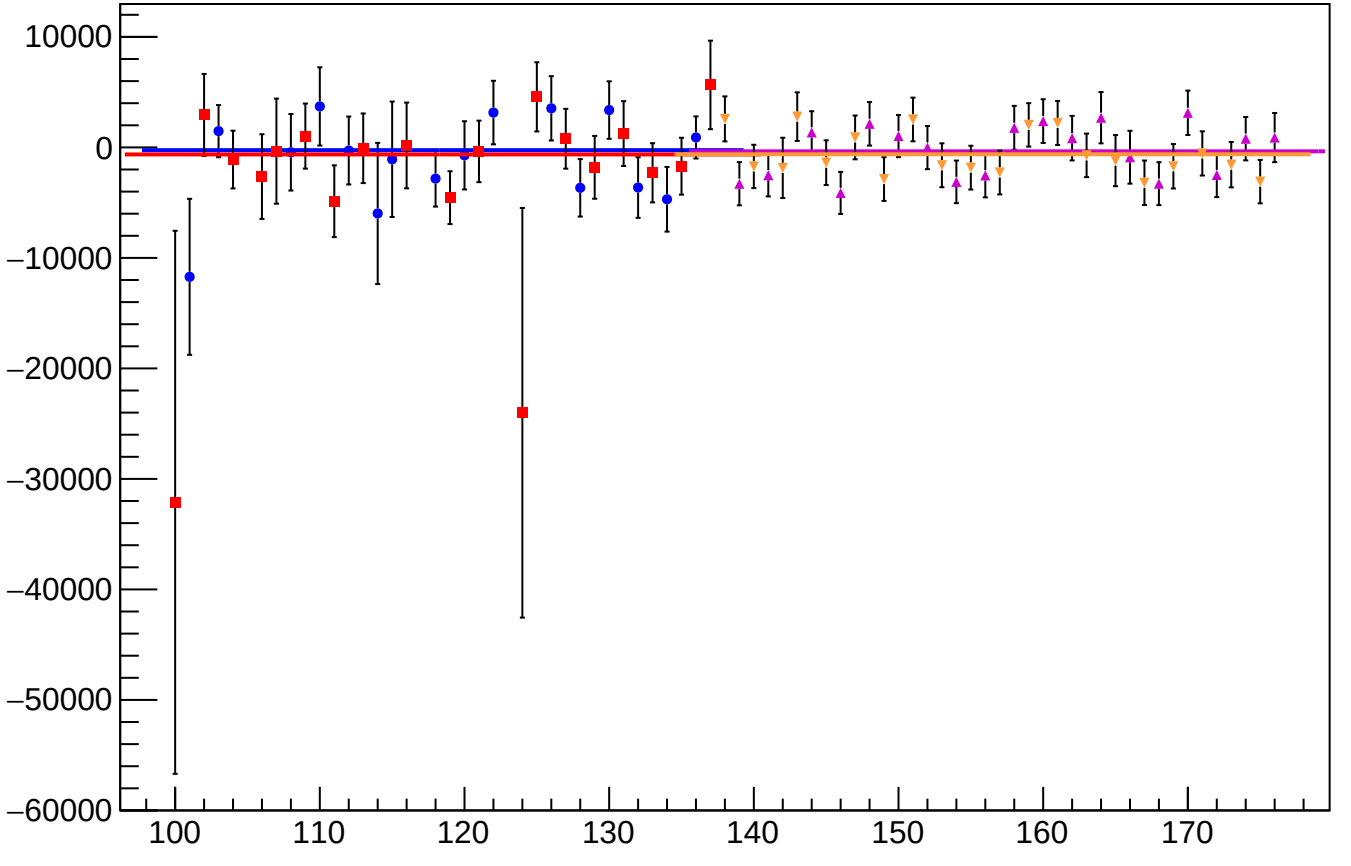
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:6719733.9/34

Out: 0.000+/-0.000 χ^2/NDF:5725950.0/38

All: 0.000+/-0.000 χ^2/NDF: 12454880.7/73

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -621.358+/-455.874 χ^2/NDF:18.9/19

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -355.556+/-459.316 χ^2/NDF:25.9/18

Left: -489.457+/-323.562 χ^2/NDF: 45.0/38

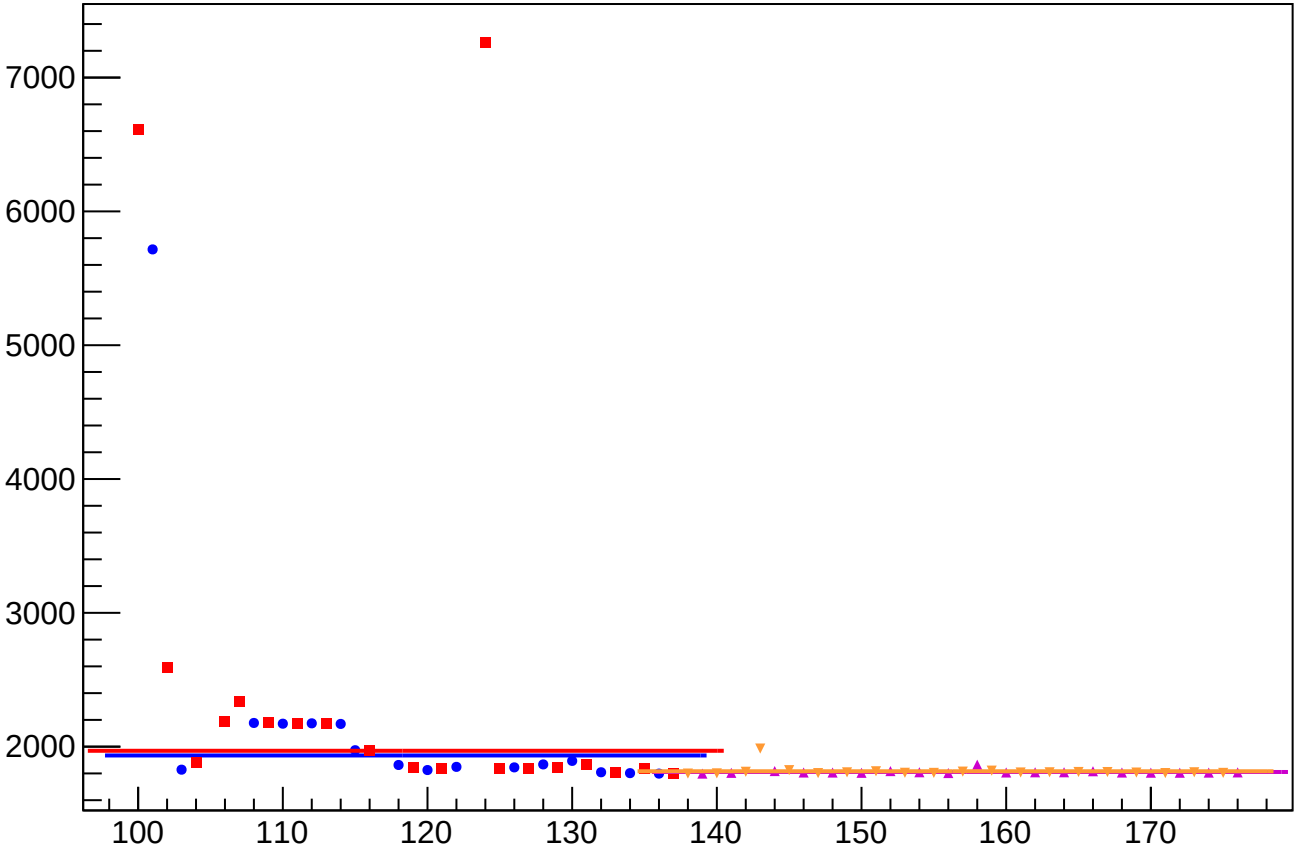
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -326.282+/-389.530 χ^2/NDF:43.2/34

Out: -625.445+/-387.478 χ^2/NDF:34.8/38

All: -476.654+/-274.711 χ^2/NDF: 78.3/73

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

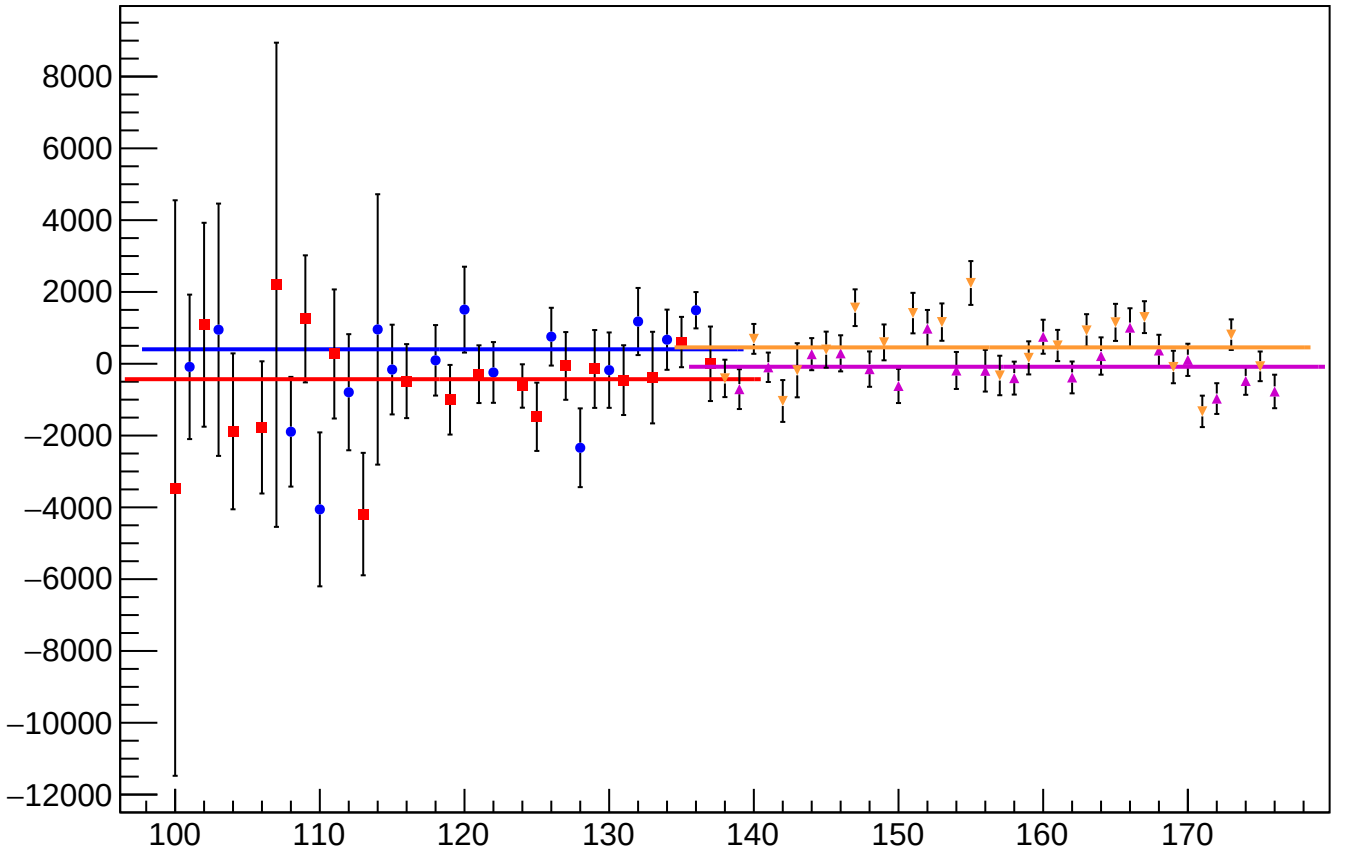
Left: 1813.468+/-0.229 χ^2/NDF: 14792.9/38

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1845.421+/-0.275 χ^2/NDF:682298.8/34

Out: 1858.625+/-0.274 χ^2/NDF:453807.9/38

All: 1852.058+/-0.194 χ^2/NDF: 1137261.8/73



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 456.129+/-109.156 χ^2/NDF:57.7/19

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -83.734+/-108.106 χ^2/NDF:25.2/18

Left: 183.589+/-76.811 χ^2/NDF: 95.3/38

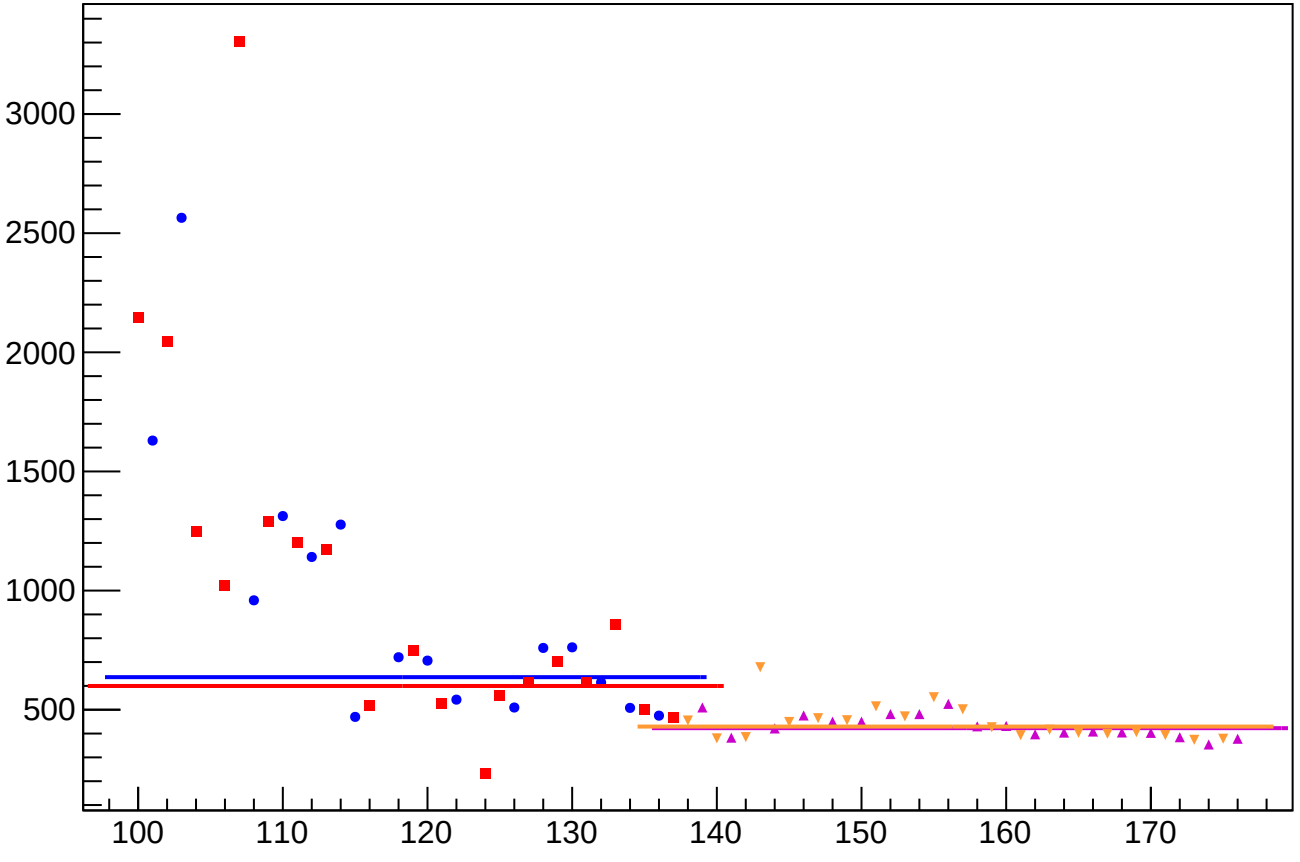
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: -11.369+/-99.740 χ^2/NDF:49.4/34

Out: 316.891+/-100.215 χ^2/NDF:79.8/38

All: 151.982+/-70.694 χ^2/NDF: 134.6/73

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 429.292+/-0.077 χ^2/NDF:568546.3/19

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 422.580+/-0.076 χ^2/NDF:333496.0/18

Left: 425.903+/-0.054 χ^2/NDF: 905860.2/38

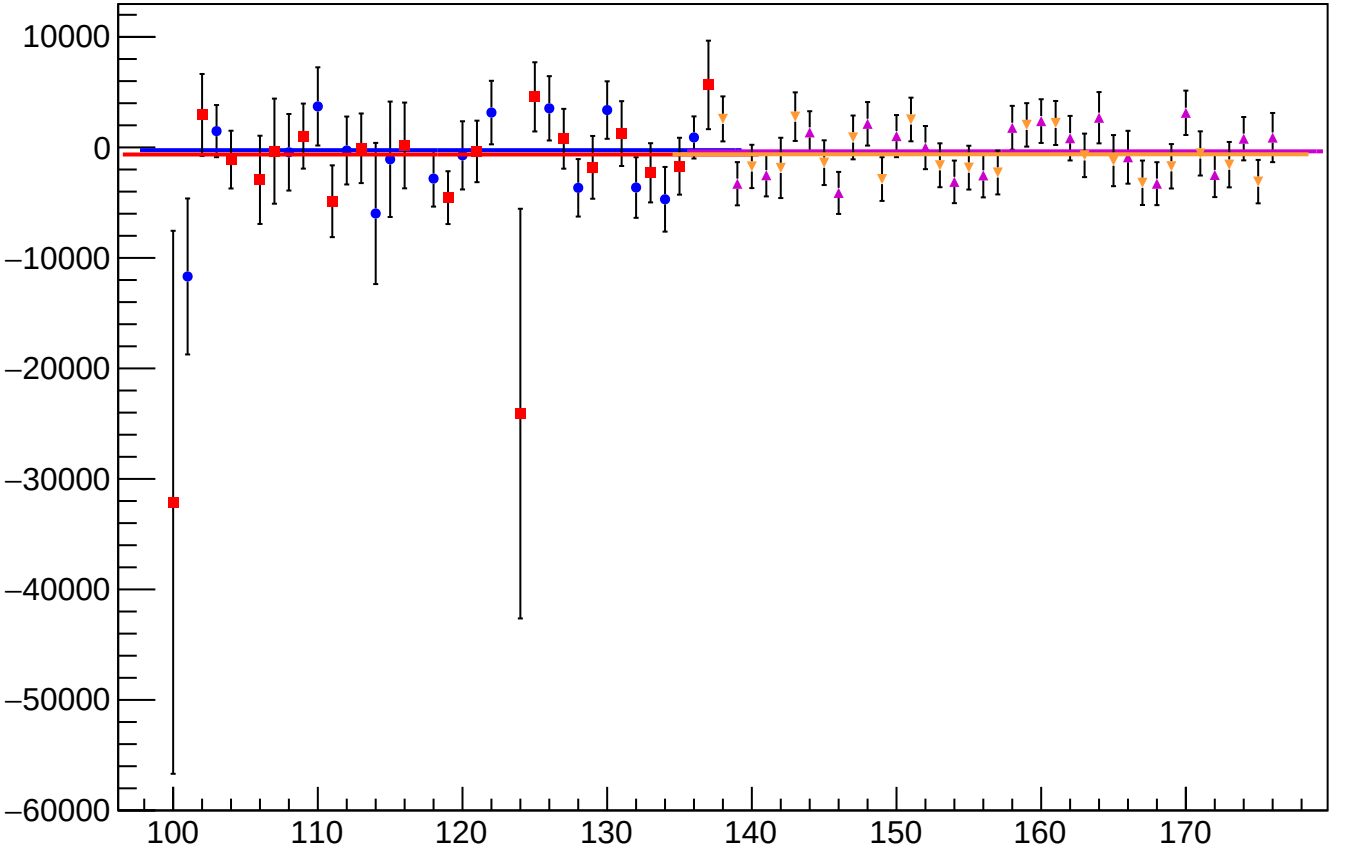
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 454.438+/-0.071 χ^2/NDF:3567769.0/34

Out: 456.055+/-0.071 χ^2/NDF:4277875.5/38

All: 455.243+/-0.050 χ^2/NDF: 7845906.0/73

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -355.551+/-459.316 χ^2/NDF:25.9/18

Left: -489.467+/-323.562 χ^2/NDF: 45.0/38

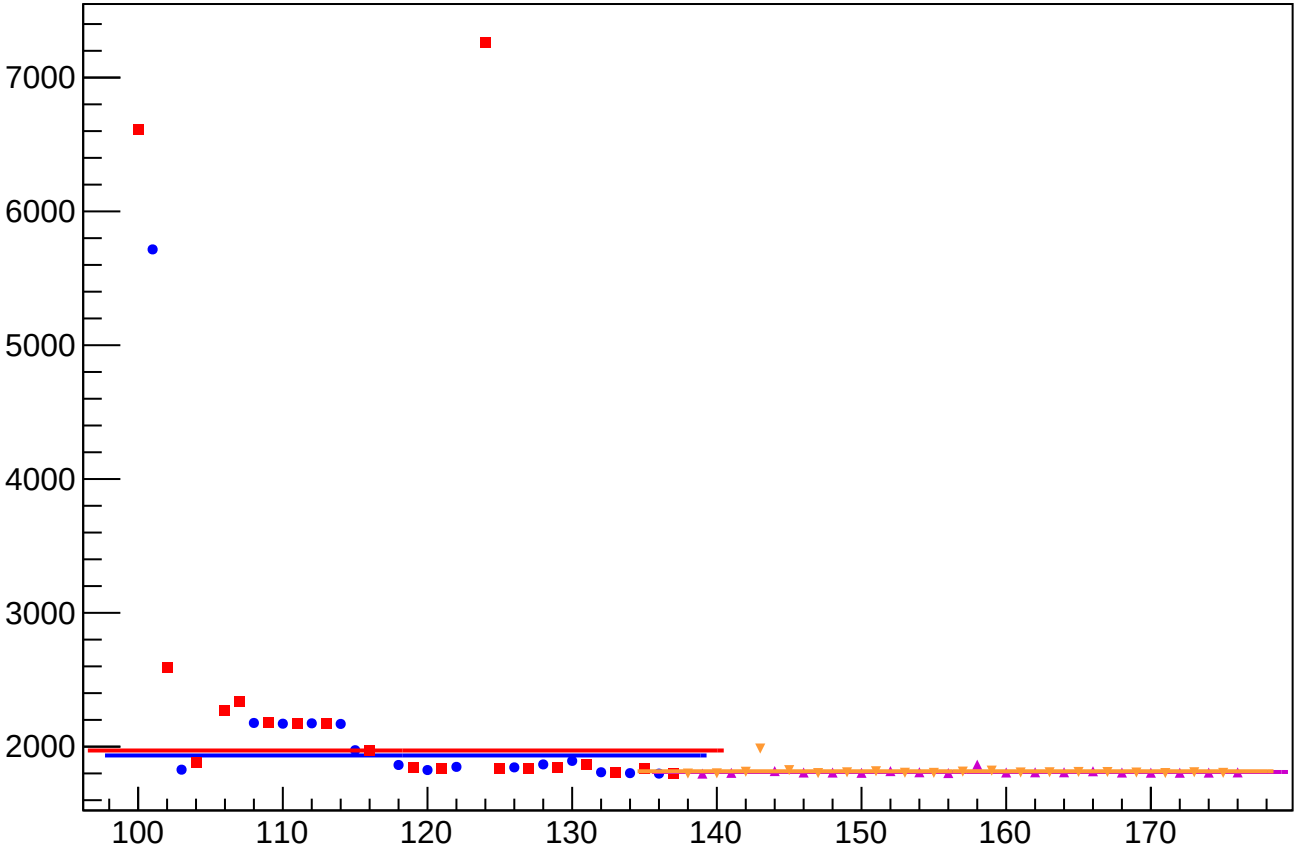
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -326.051+/-389.530 χ^2/NDF:43.2/34

Out: -626.779+/-387.634 χ^2/NDF:34.9/38

All: -477.149+/-274.766 χ^2/NDF: 78.4/73

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

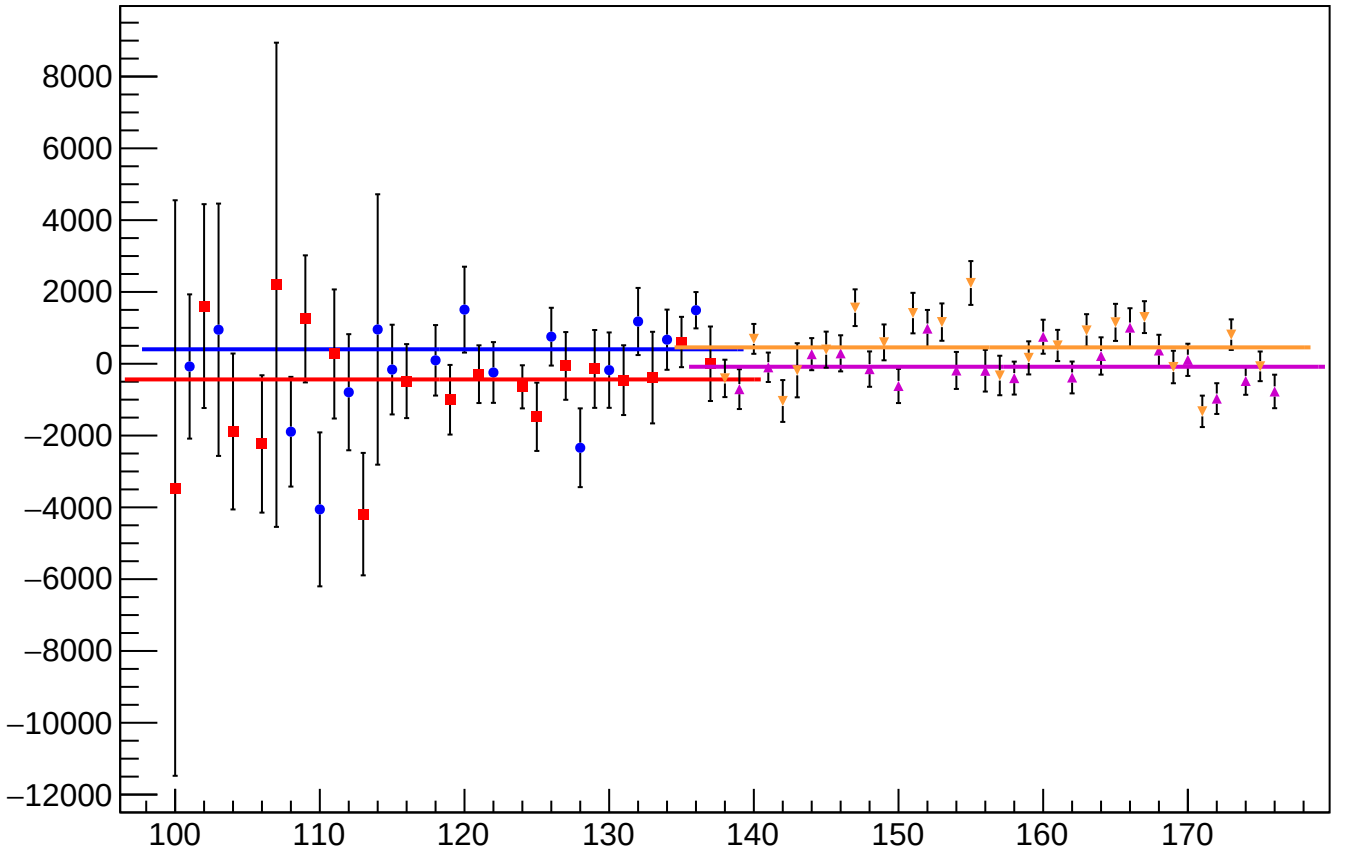
Left: 1813.468+/-0.229 χ^2/NDF: 14792.9/38

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1845.421+/-0.275 χ^2/NDF:682298.7/34

Out: 1859.132+/-0.274 χ^2/NDF:460243.1/38

All: 1852.310+/-0.194 χ^2/NDF: 1143786.7/73



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -83.711+/-108.105 χ^2/NDF:25.2/18

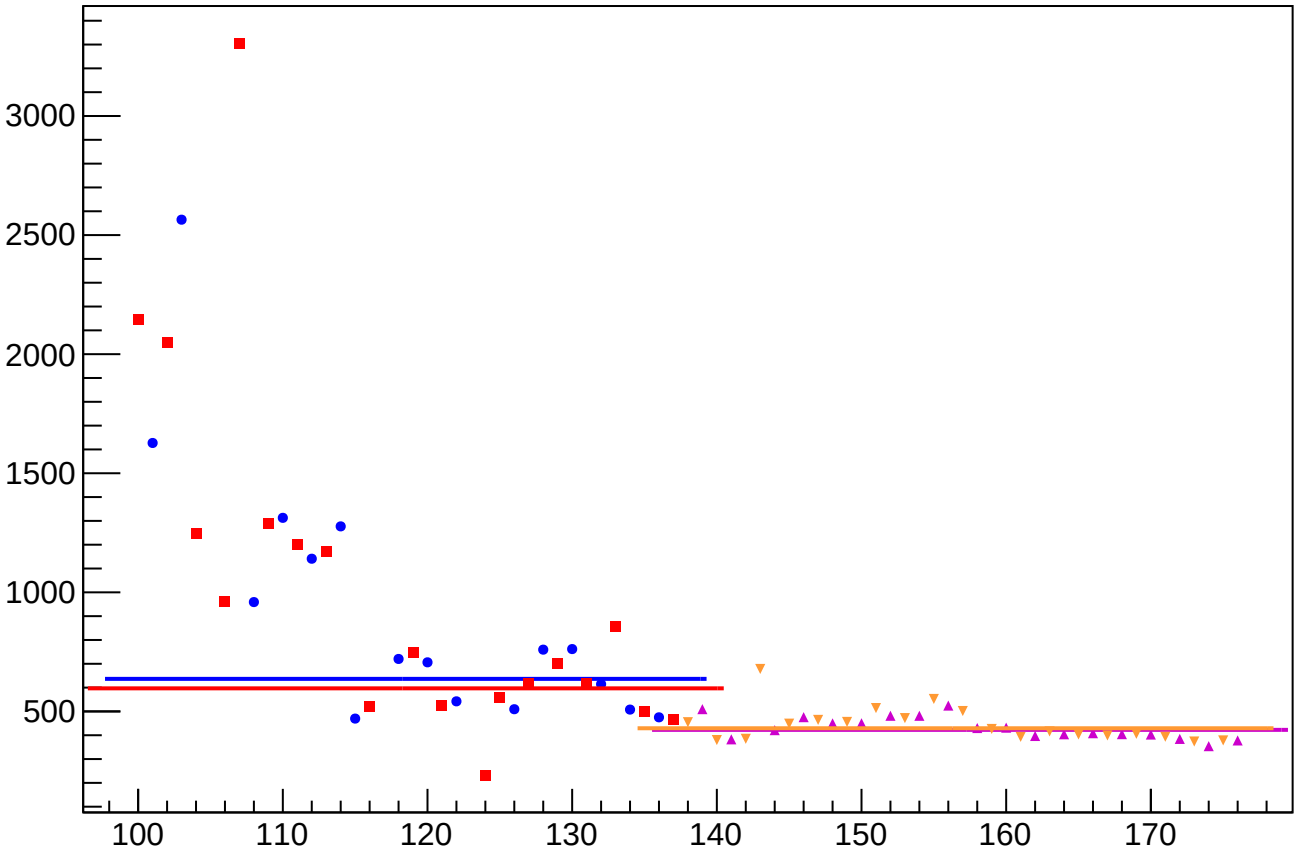
Left: 183.593+/-76.811 χ^2/NDF: 95.3/38

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -11.334+/-99.739 χ^2/NDF:49.4/34

Out: 315.701+/-100.205 χ^2/NDF:80.6/38

All: 151.420+/-70.690 χ^2/NDF: 135.3/73



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

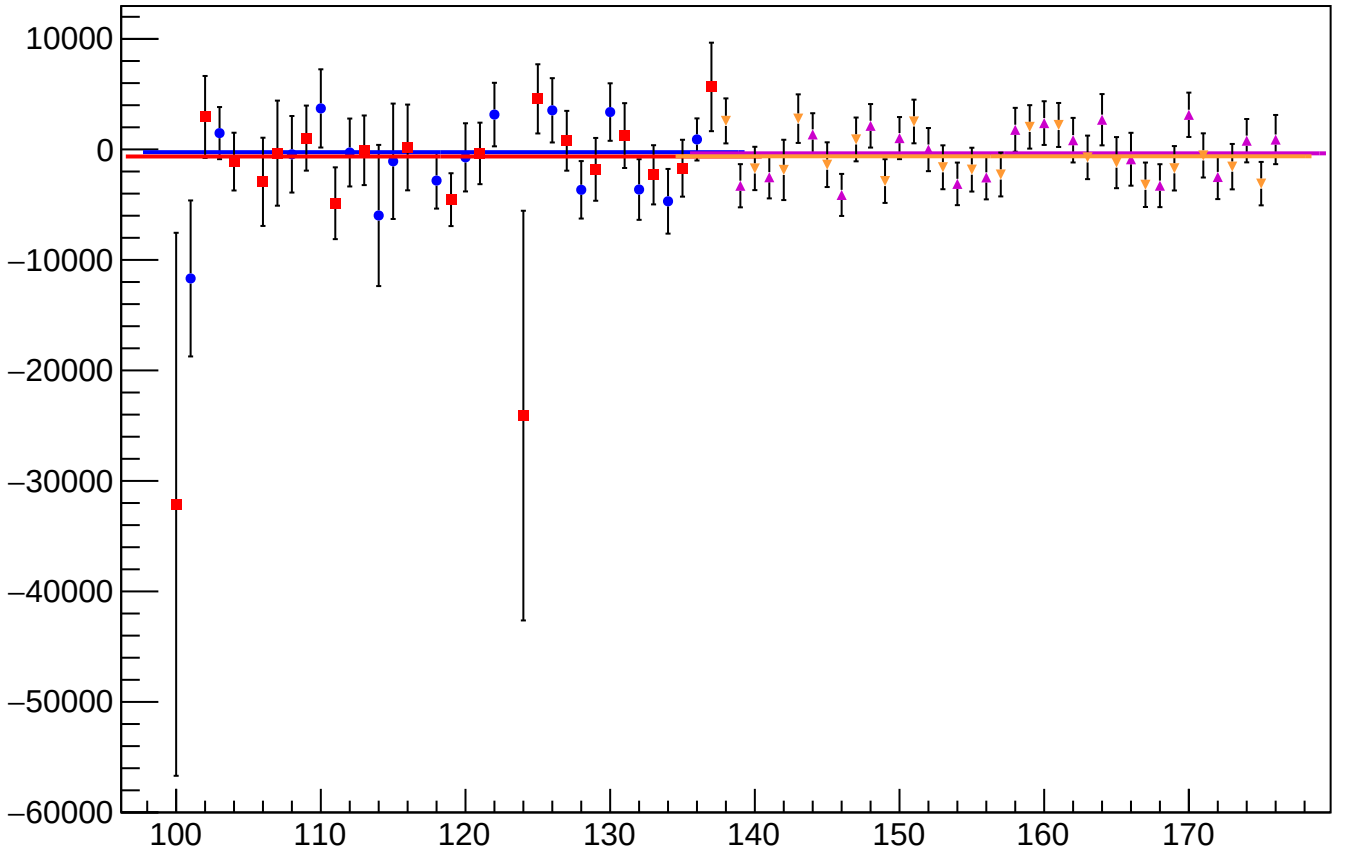
Left: 425.899+/-0.054 χ^2/NDF: 905937.9/38

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 454.435+/-0.071 χ^2/NDF:3567070.9/34

Out: 455.644+/-0.071 χ^2/NDF:4240343.2/38

All: 455.037+/-0.050 χ^2/NDF: 7807560.4/73



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -621.383+/-455.874 χ^2/NDF:18.9/19

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -355.551+/-459.316 χ^2/NDF:25.9/18

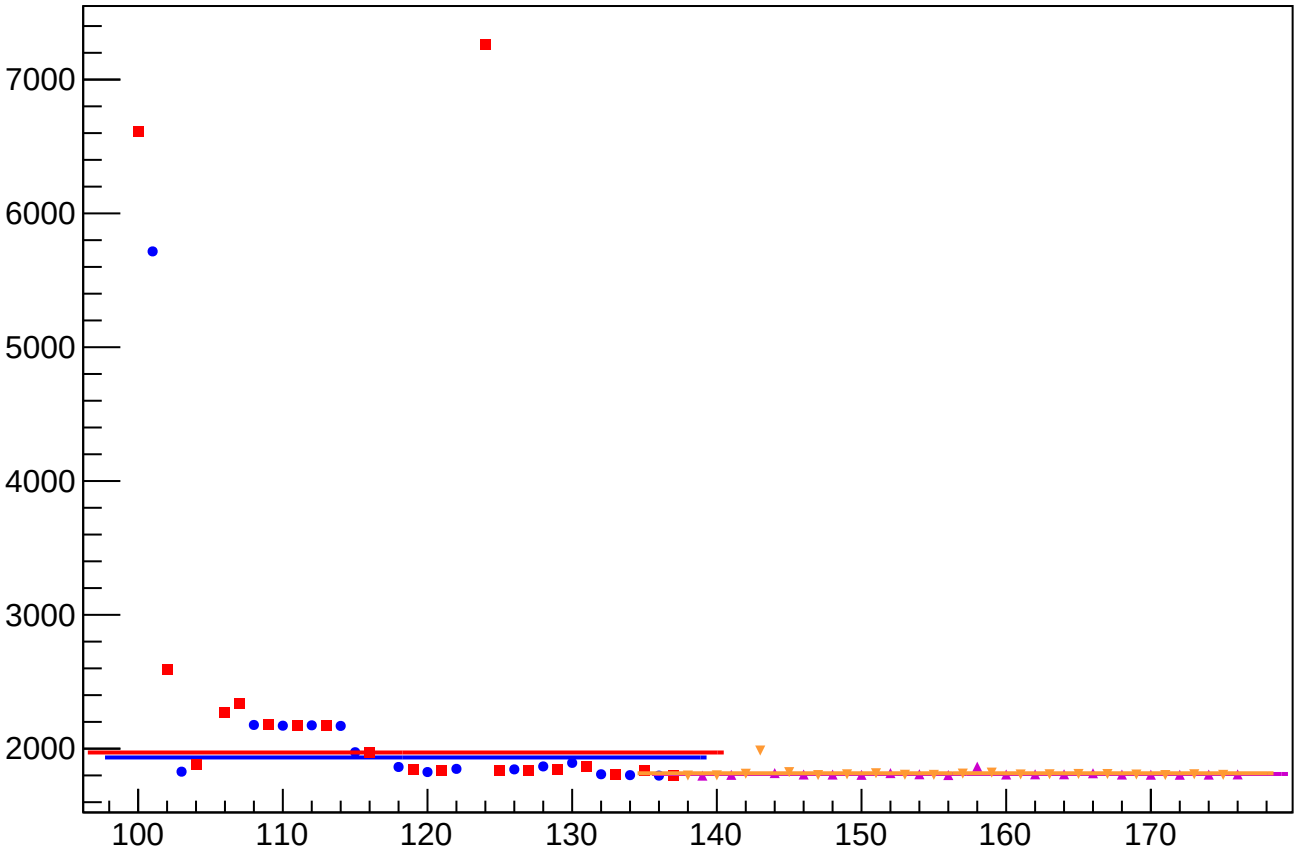
Left: -489.467+/-323.562 χ^2/NDF: 45.0/38

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -326.051+/-389.530 χ^2/NDF:43.2/34

Out: -626.779+/-387.634 χ^2/NDF:34.9/38

All: -477.149+/-274.766 χ^2/NDF: 78.4/73



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.141+/-0.322 χ^2/NDF:12849.1/19

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

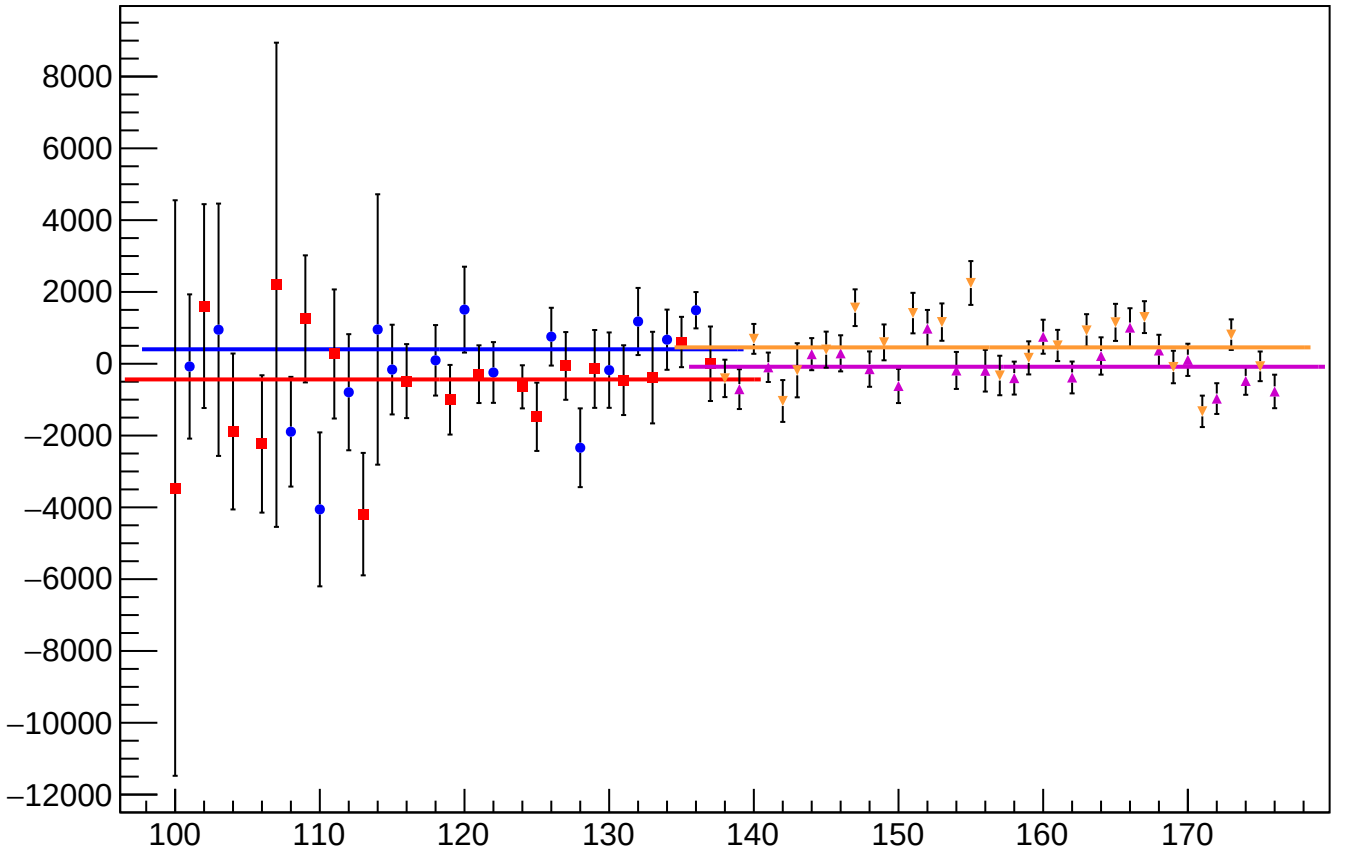
Left: 1813.468+/-0.229 χ^2/NDF: 14792.9/38

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1845.421+/-0.275 χ^2/NDF:682298.7/34

Out: 1859.132+/-0.274 χ^2/NDF:460243.1/38

All: 1852.310+/-0.194 χ^2/NDF: 1143786.7/73



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 456.118+/-109.156 χ^2/NDF:57.7/19

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -83.711+/-108.105 χ^2/NDF:25.2/18

Left: 183.593+/-76.811 χ^2/NDF: 95.3/38

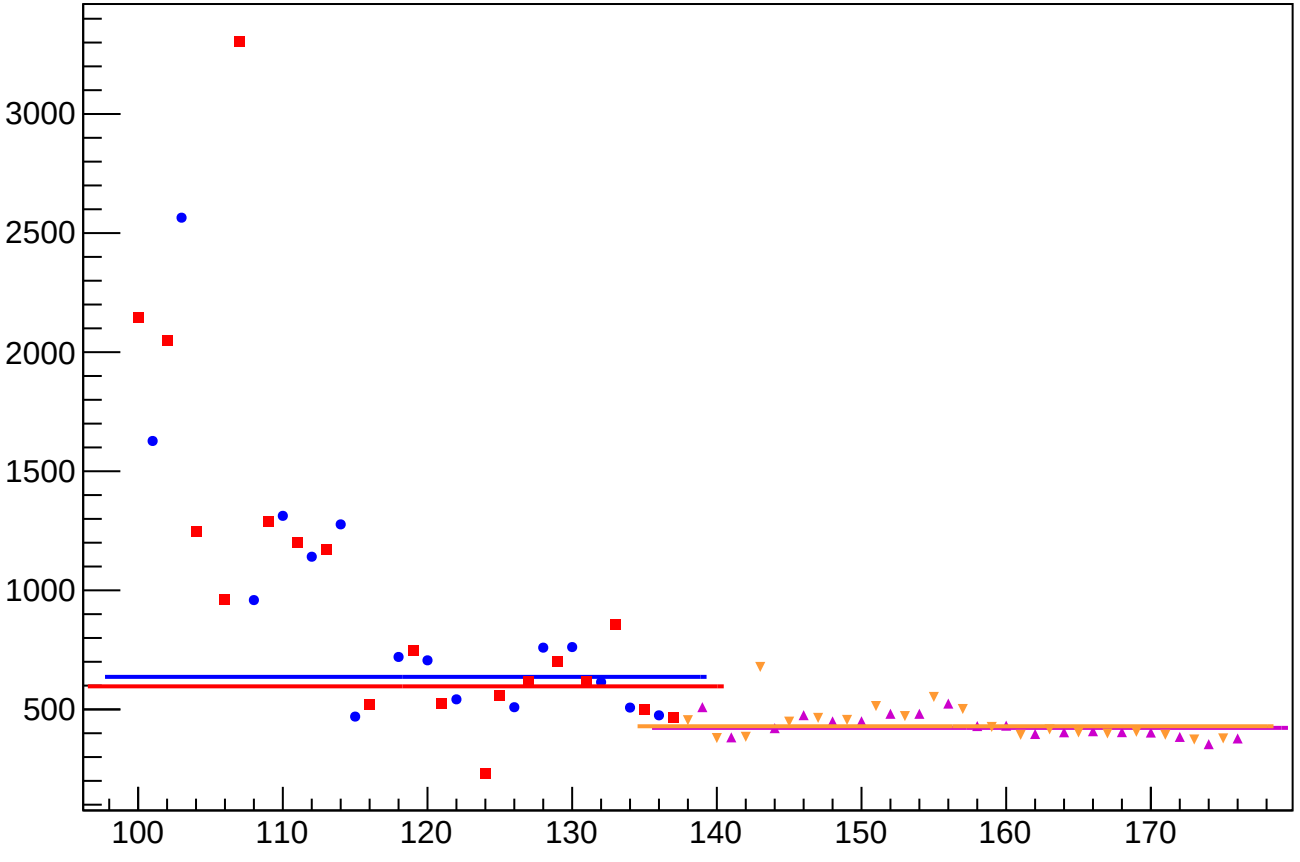
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -11.334+/-99.739 χ^2/NDF:49.4/34

Out: 315.701+/-100.205 χ^2/NDF:80.6/38

All: 151.420+/-70.690 χ^2/NDF: 135.3/73

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 429.289+/-0.077 χ^2/NDF:568575.3/19

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

Left: 425.899+/-0.054 χ^2/NDF: 905937.9/38

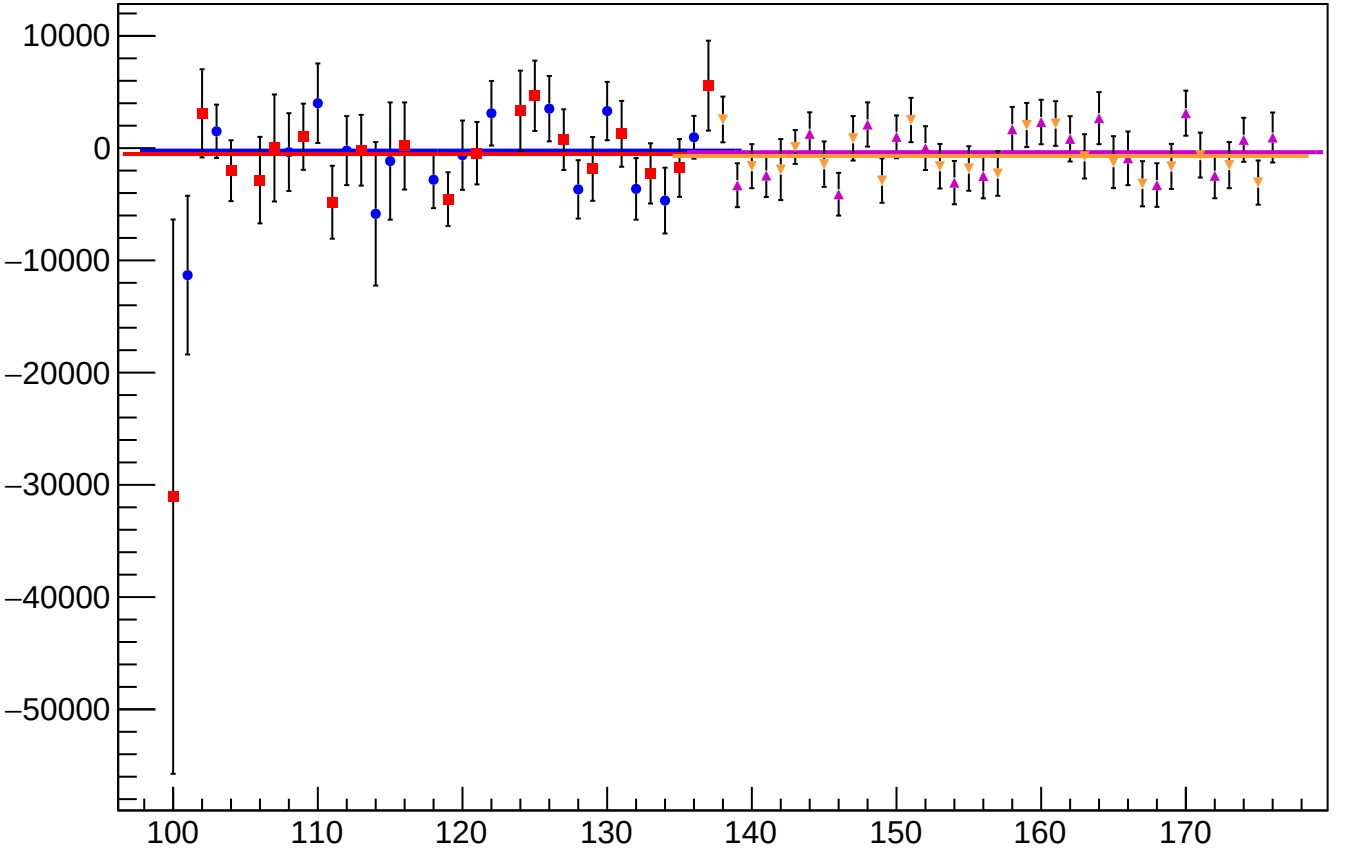
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 454.435+/-0.071 χ^2/NDF:3567070.9/34

Out: 455.644+/-0.071 χ^2/NDF:4240343.2/38

All: 455.037+/-0.050 χ^2/NDF: 7807560.4/73

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.931+/-445.360 χ^2/NDF:16.5/19

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -360.759+/-459.472 χ^2/NDF:25.3/18

Left: -533.571+/-319.790 χ^2/NDF: 42.1/38

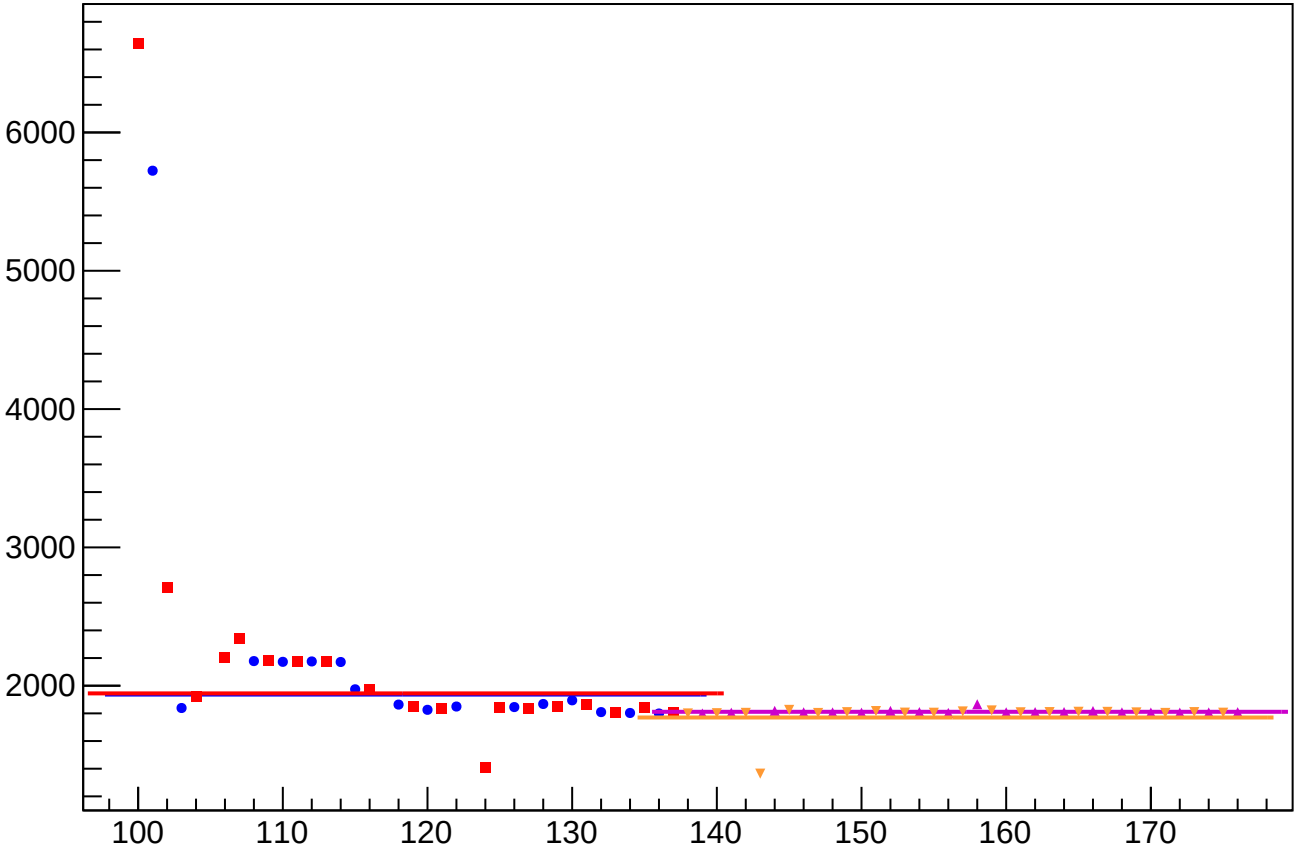
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.387+/-389.740 χ^2/NDF:42.5/34

Out: -647.802+/-379.477 χ^2/NDF:32.1/38

All: -488.949+/-271.887 χ^2/NDF: 74.9/73

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.5/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

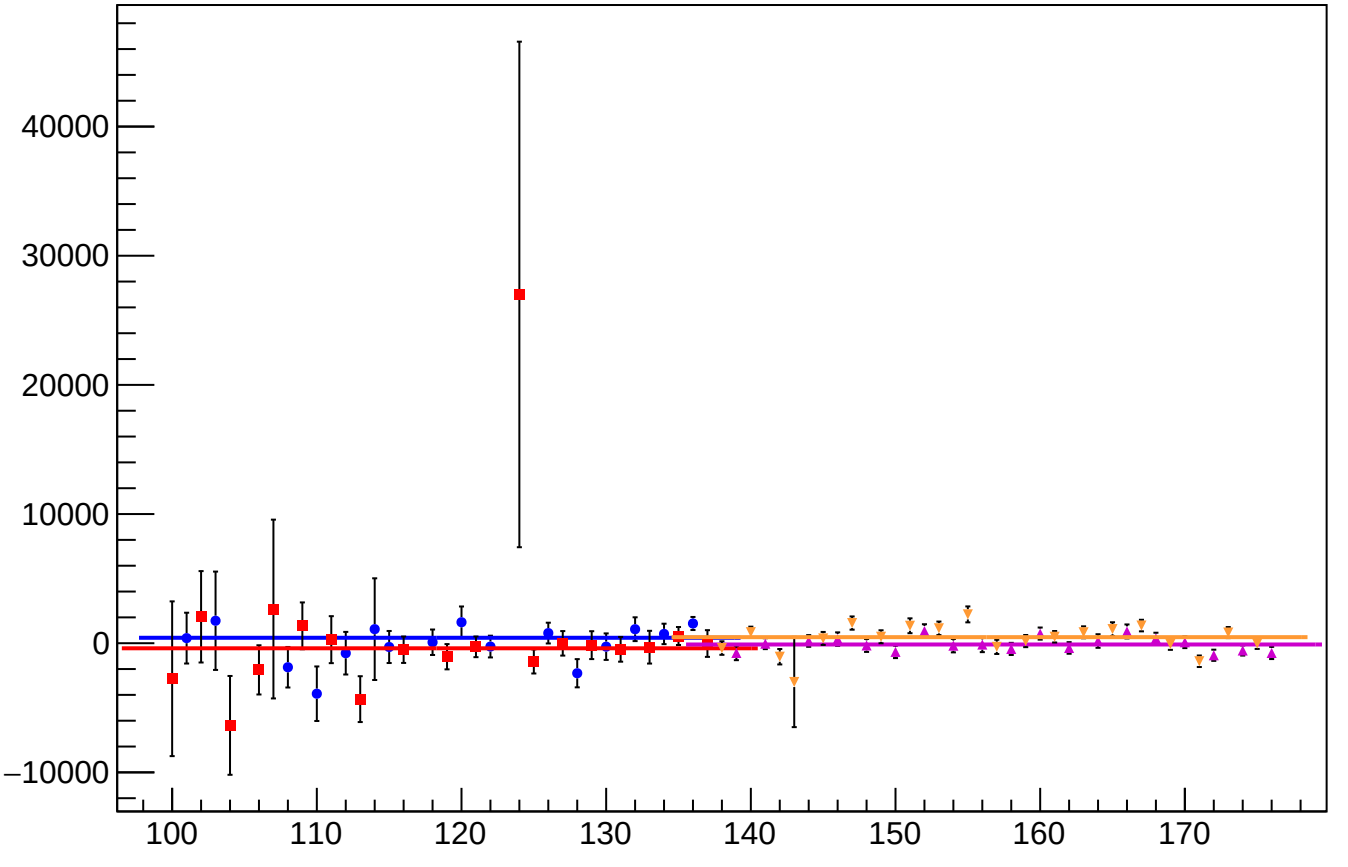
Left: 1790.114+/-0.226 χ^2/NDF: 168809.6/38

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1846.320+/-0.276 χ^2/NDF:682867.2/34

Out: 1817.913+/-0.268 χ^2/NDF:518911.2/38

All: 1831.738+/-0.192 χ^2/NDF: 1207232.9/73



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.326+/-111.693 χ^2/NDF:56.9/19

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -98.812+/-109.667 χ^2/NDF:23.9/18

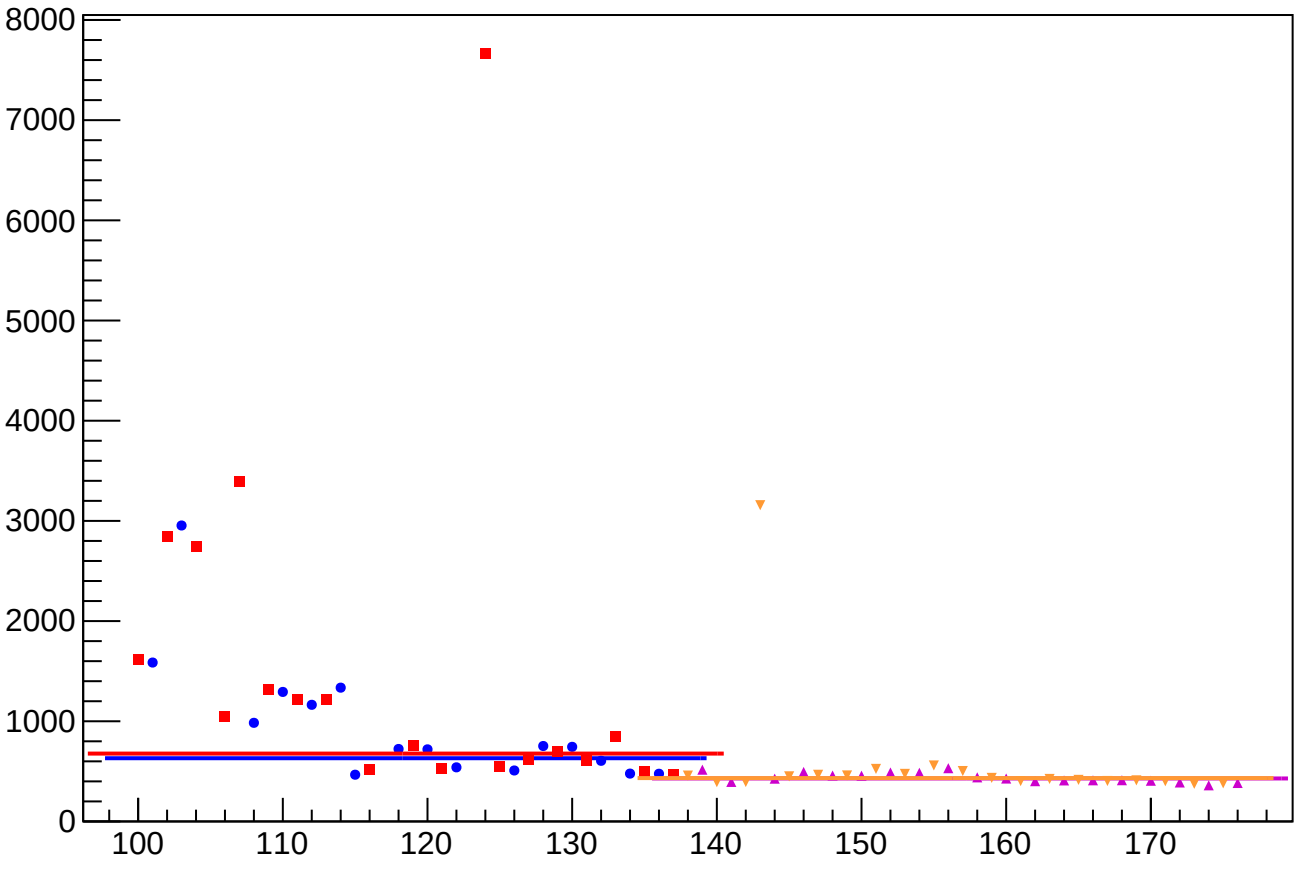
Left: 180.057+/-78.253 χ^2/NDF: 94.0/38

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -18.585+/-100.852 χ^2/NDF:48.8/34

Out: 350.545+/-103.721 χ^2/NDF:81.0/38

All: 160.803+/-72.306 χ^2/NDF: 136.3/73



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 432.831+/-0.079 χ^2/NDF:1545634.9/19

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 429.134+/-0.078 χ^2/NDF:334231.3/18

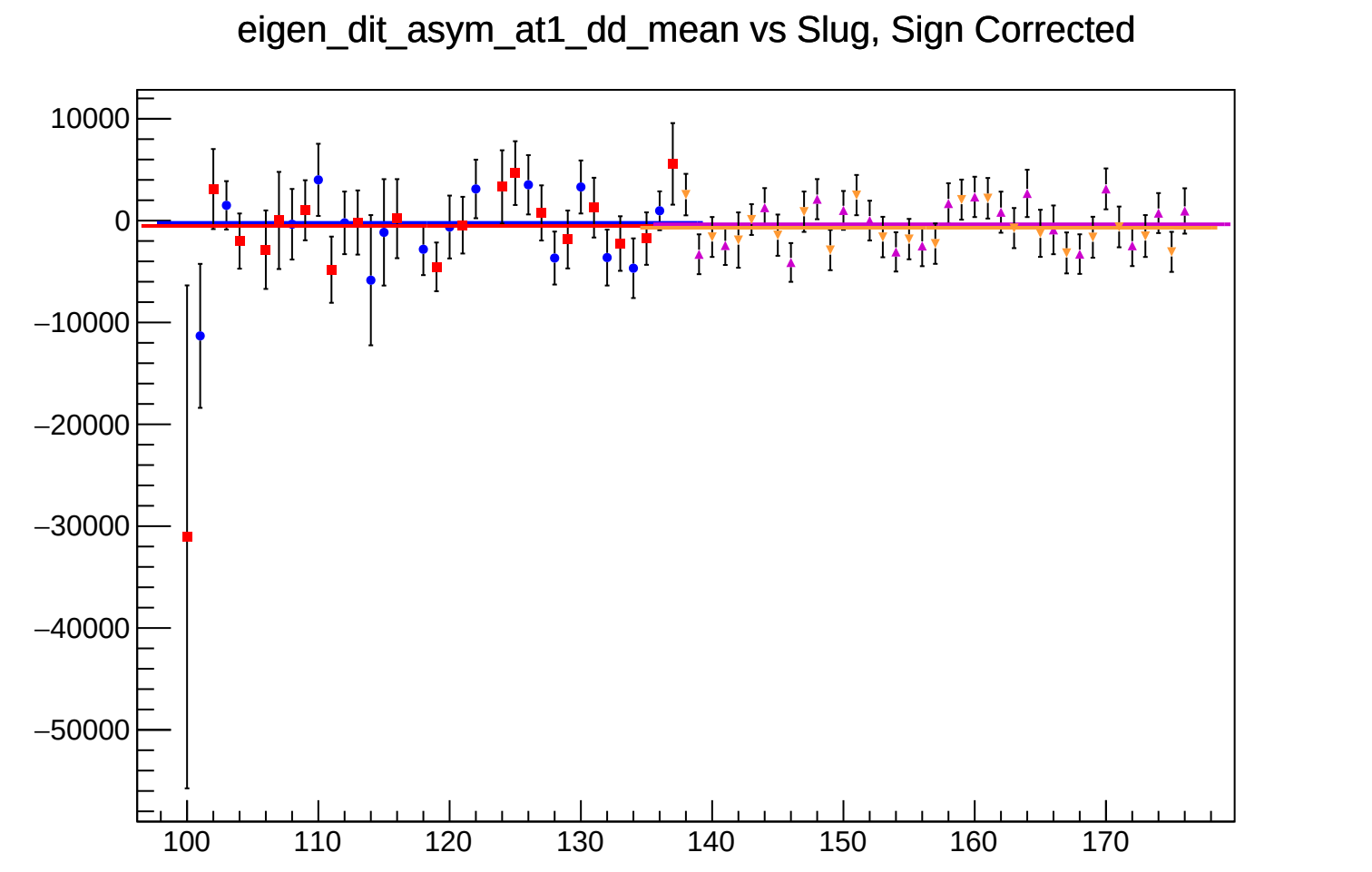
Left: 430.949+/-0.055 χ^2/NDF: 1880981.4/38

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 460.303+/-0.071 χ^2/NDF:3615733.3/34

Out: 466.501+/-0.073 χ^2/NDF:5947566.7/38

All: 463.315+/-0.051 χ^2/NDF: 9566971.4/73



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -695.932+/-445.360 χ^2/NDF:16.5/19

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -360.759+/-459.472 χ^2/NDF:25.3/18

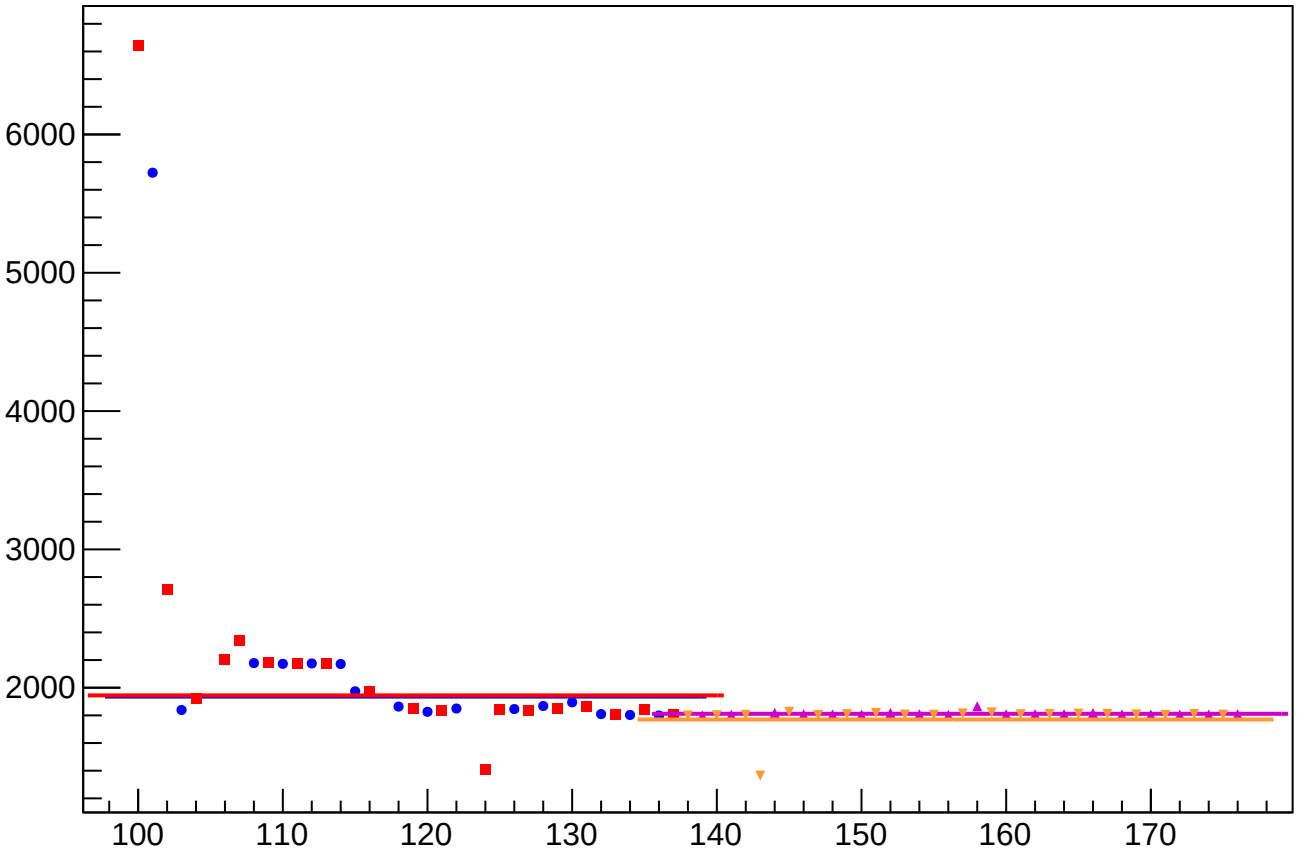
Left: -533.571+/-319.790 χ^2/NDF: 42.1/38

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.387+/-389.740 χ^2/NDF:42.5/34

Out: -647.803+/-379.477 χ^2/NDF:32.1/38

All: -488.949+/-271.887 χ^2/NDF: 74.9/73



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1770.144+/-0.315 χ^2/NDF:158707.4/19

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

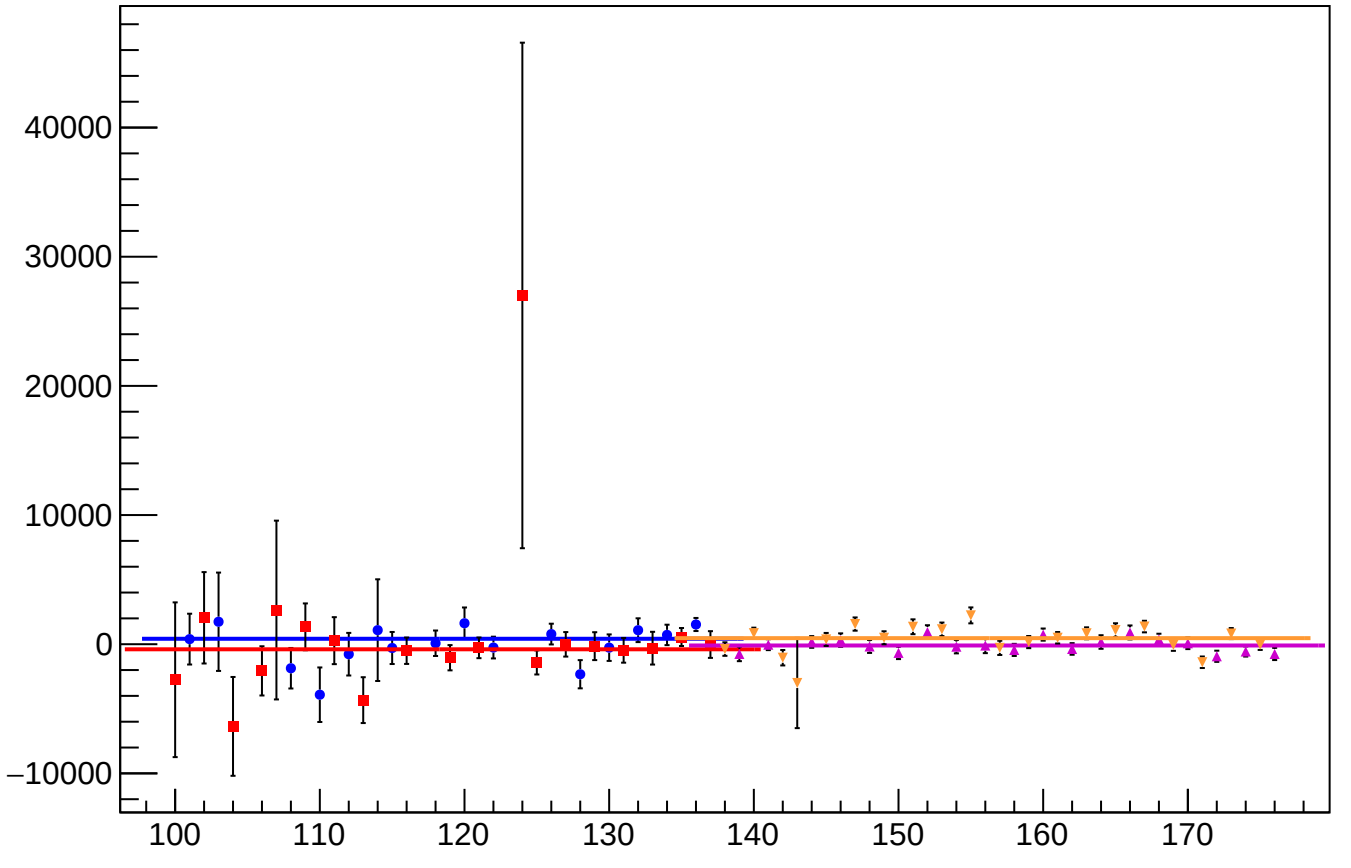
Left: 1790.114+/-0.226 χ^2/NDF: 168809.6/38

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1846.320+/-0.276 χ^2/NDF:682867.2/34

Out: 1817.913+/-0.268 χ^2/NDF:518911.0/38

All: 1831.738+/-0.192 χ^2/NDF: 1207232.7/73



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 469.325+/-111.693 χ^2/NDF:56.9/19

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -98.811+/-109.667 χ^2/NDF:23.9/18

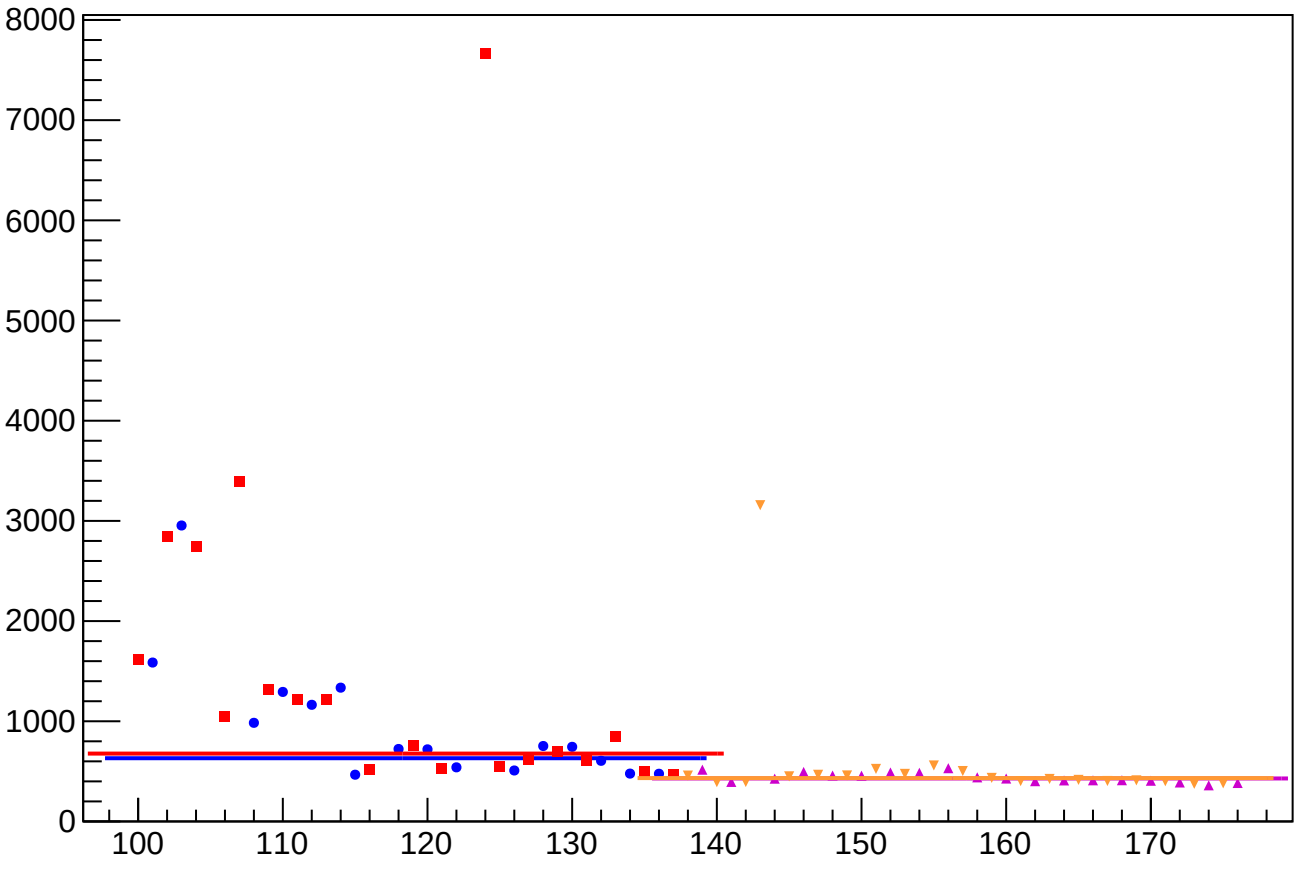
Left: 180.057+/-78.253 χ^2/NDF: 94.0/38

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -18.585+/-100.852 χ^2/NDF:48.8/34

Out: 350.544+/-103.721 χ^2/NDF:81.0/38

All: 160.803+/-72.306 χ^2/NDF: 136.3/73



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 432.830+/-0.079 χ^2/NDF:1545636.3/19

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 429.134+/-0.078 χ^2/NDF:334234.3/18

Left: 430.949+/-0.055 χ^2/NDF: 1880985.7/38

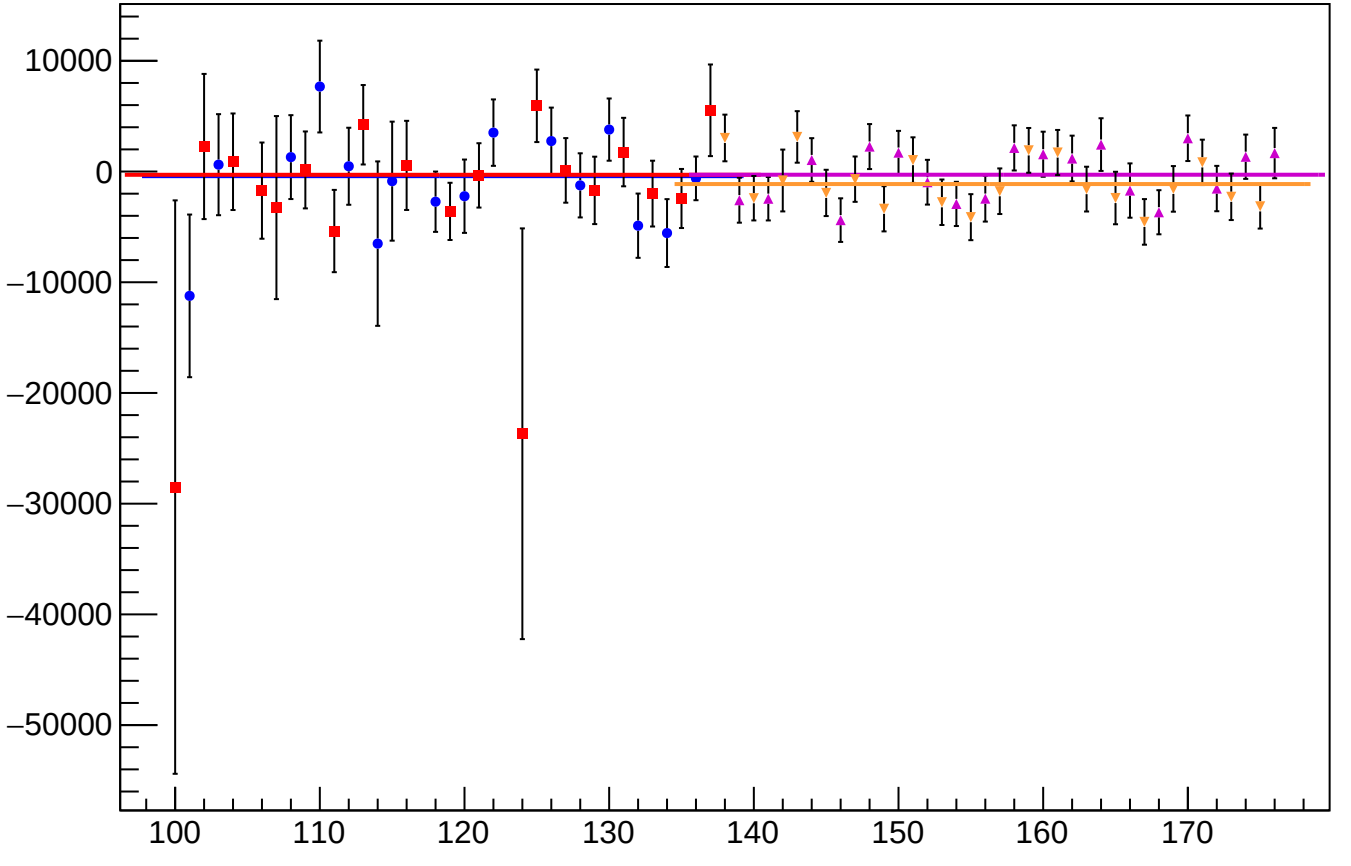
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 460.303+/-0.071 χ^2/NDF:3615735.8/34

Out: 466.501+/-0.073 χ^2/NDF:5947570.0/38

All: 463.315+/-0.051 χ^2/NDF: 9566977.1/73

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1130.907+/-470.051 χ^2/NDF:22.5/19

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -288.458+/-472.715 χ^2/NDF:24.4/18

Left: -712.063+/-333.314 χ^2/NDF: 48.6/38

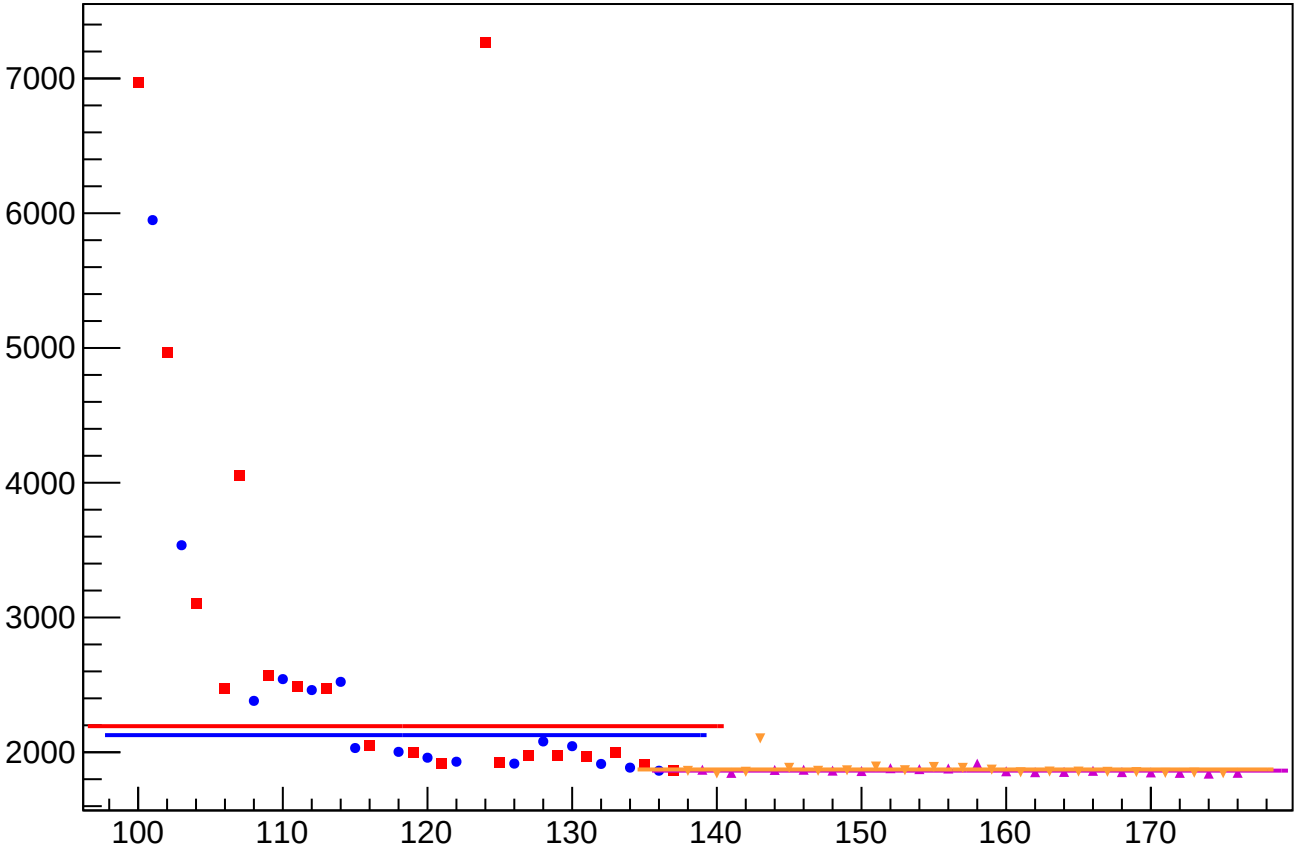
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -320.960+/-408.957 χ^2/NDF:42.8/34

Out: -928.395+/-409.207 χ^2/NDF:38.9/38

All: -624.492+/-289.264 χ^2/NDF: 82.9/73

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1872.315+/-0.332 χ^2/NDF:22531.2/19

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.542+/-0.334 χ^2/NDF:2539.5/18

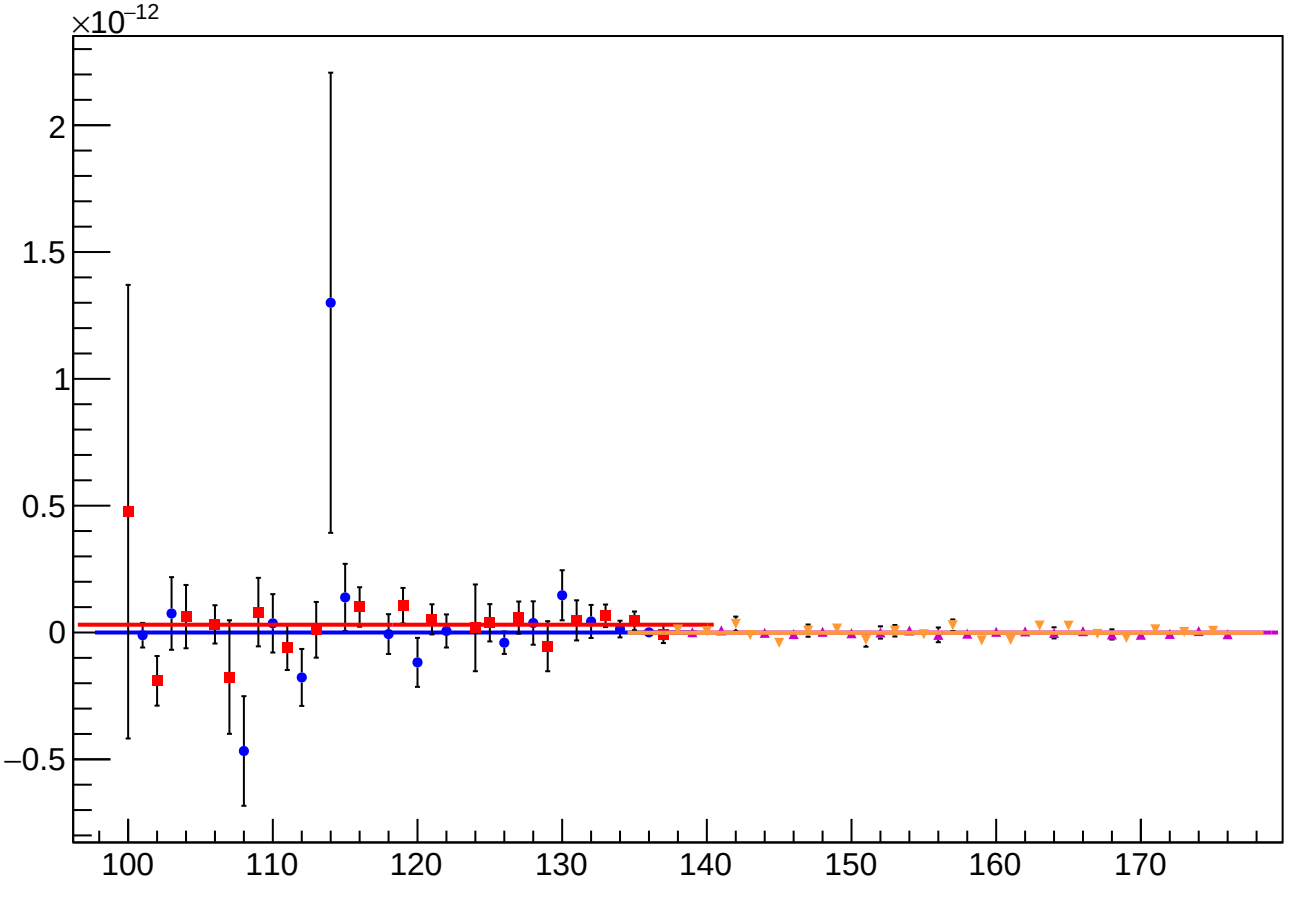
Left: 1867.953+/-0.236 χ^2/NDF: 25417.2/38

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1929.828+/-0.289 χ^2/NDF:1033945.7/34

Out: 1950.098+/-0.289 χ^2/NDF:1191295.5/38

All: 1939.957+/-0.205 χ^2/NDF: 2227696.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/18

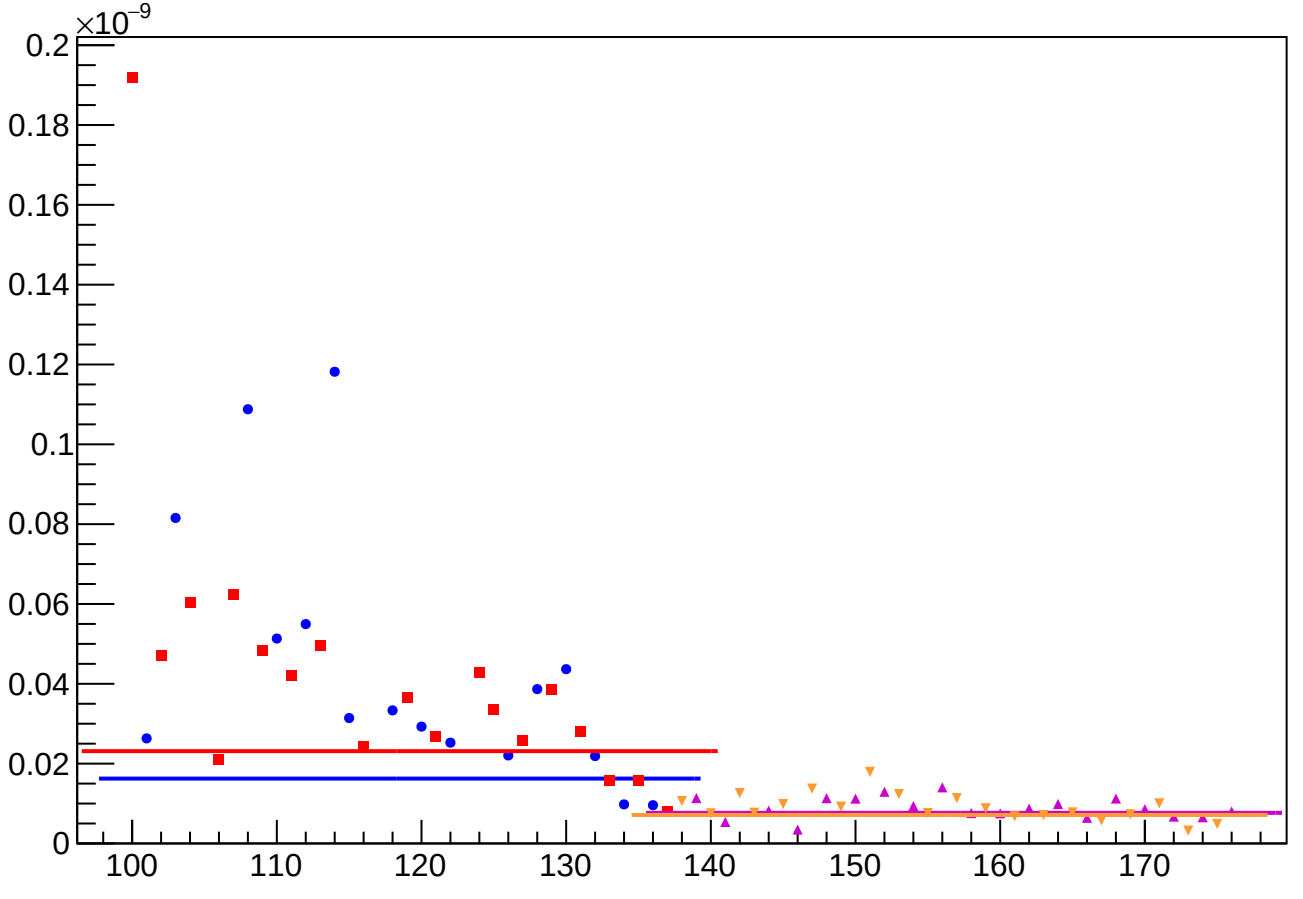
Left: -0.000+/-0.000 χ^2/NDF: 33.9/38

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.7/34

Out: 0.000+/-0.000 χ^2/NDF:47.6/38

All: 0.000+/-0.000 χ^2/NDF: 66.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1570533.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1013269.3/18

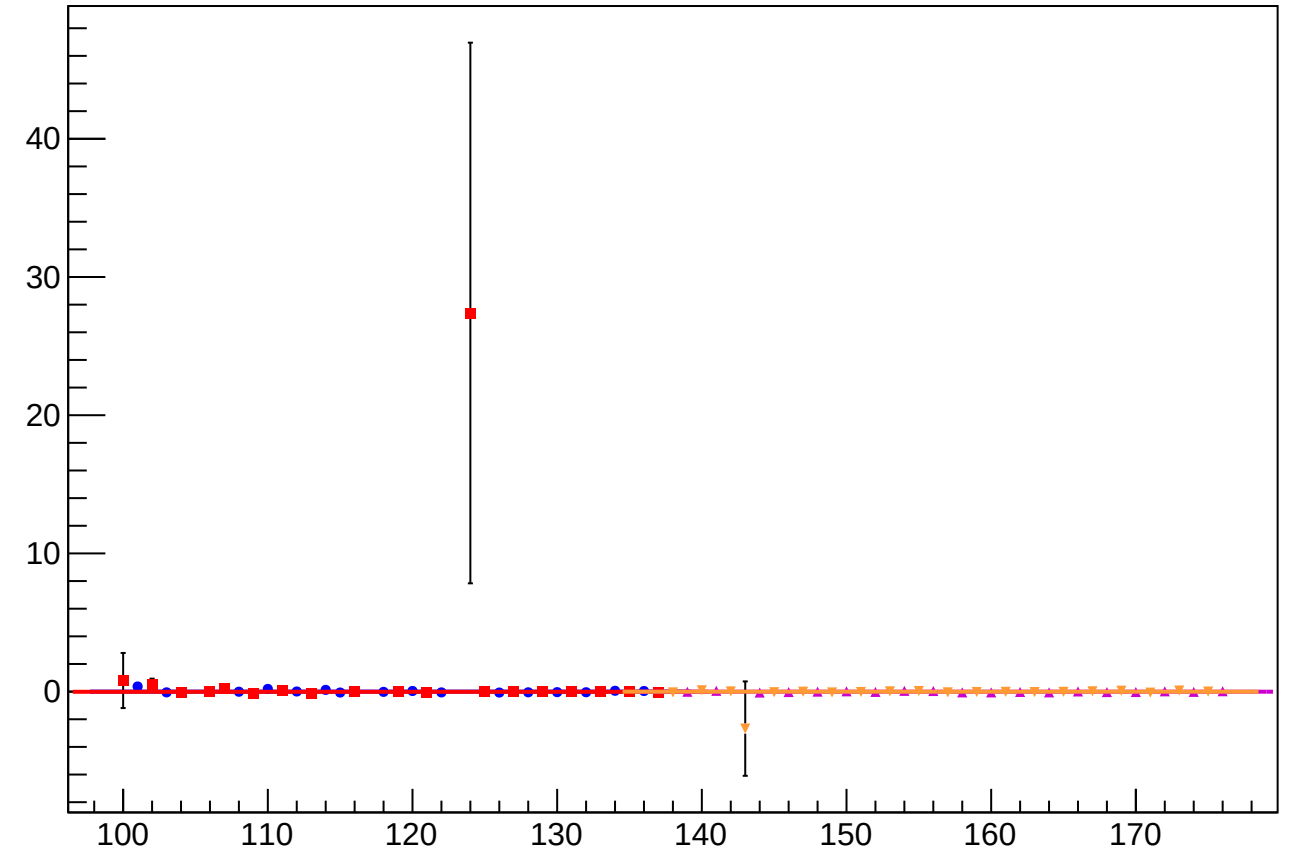
Left: 0.000+/-0.000 χ^2/NDF: 2608407.9/38

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4262079.8/34

Out: 0.000+/-0.000 χ^2/NDF:4966800.3/38

All: 0.000+/-0.000 χ^2/NDF: 9260306.6/73



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

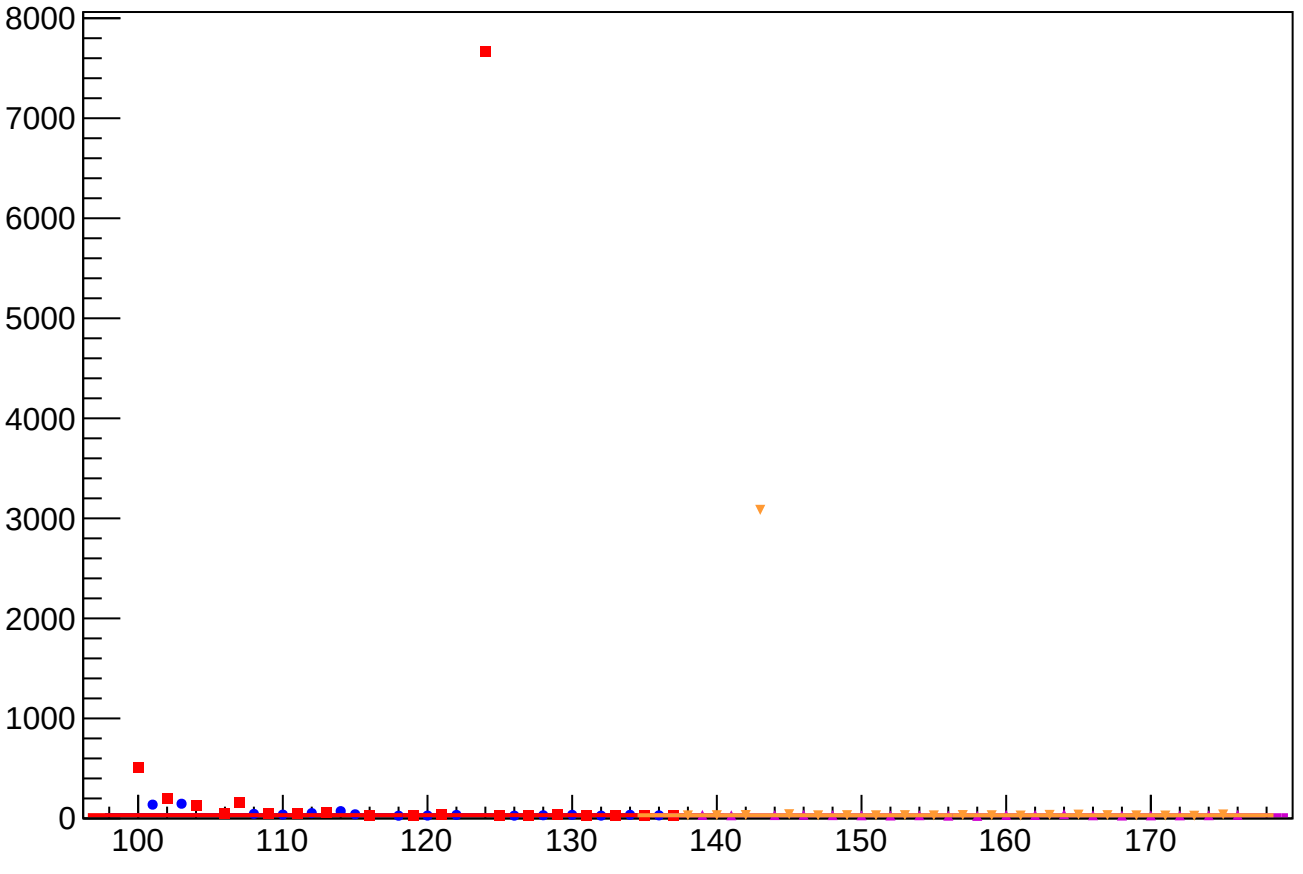
Left: -0.004+/-0.006 χ^2/NDF: 49.2/38

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.004+/-0.005 χ^2/NDF: 84.8/73



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.104+/-0.006 χ^2/NDF:1870546.5/19

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

Left: 32.253+/-0.004 χ^2/NDF: 2154408.2/38

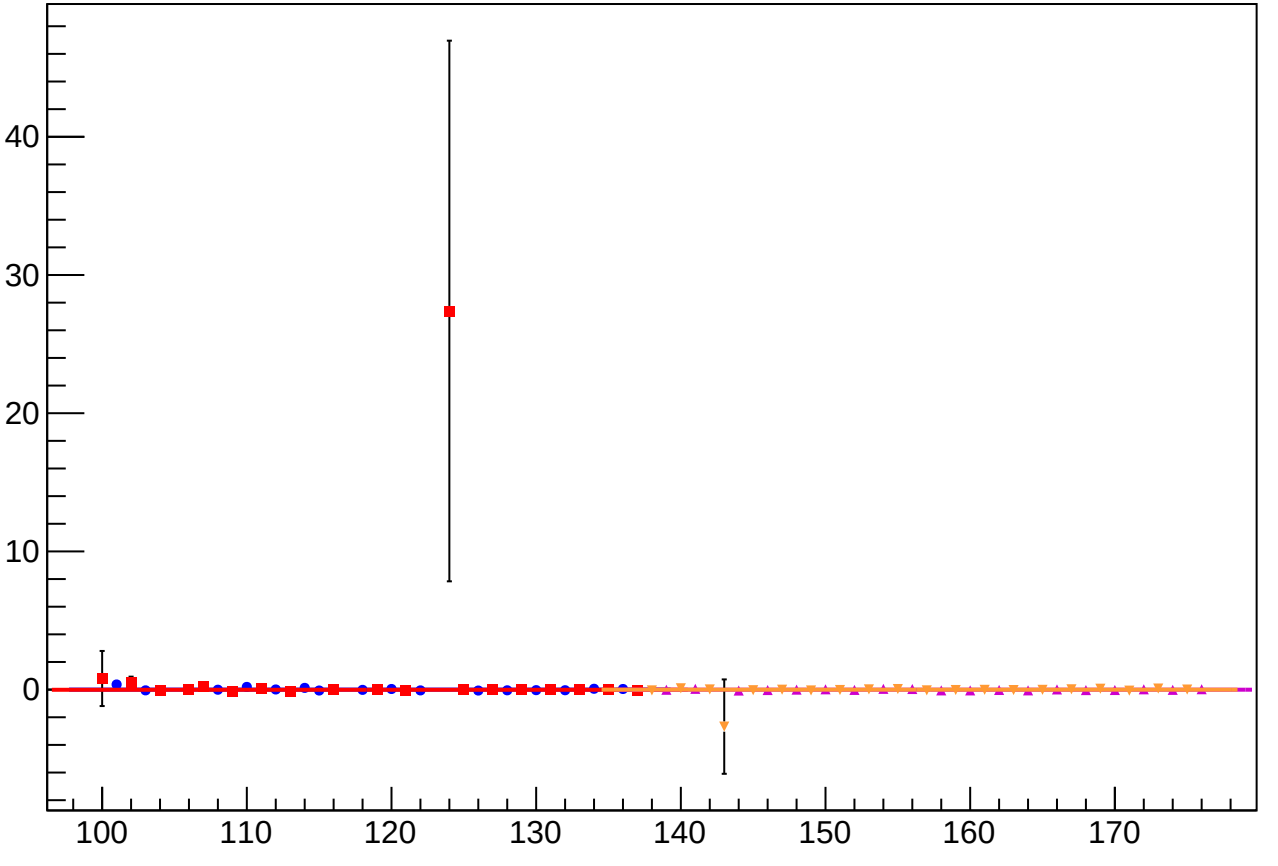
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.847+/-0.005 χ^2/NDF:2018389.8/34

Out: 32.366+/-0.005 χ^2/NDF:3952028.9/38

All: 32.608+/-0.004 χ^2/NDF: 5974343.4/73

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: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.004+/-0.006 χ^2/NDF: 49.2/38

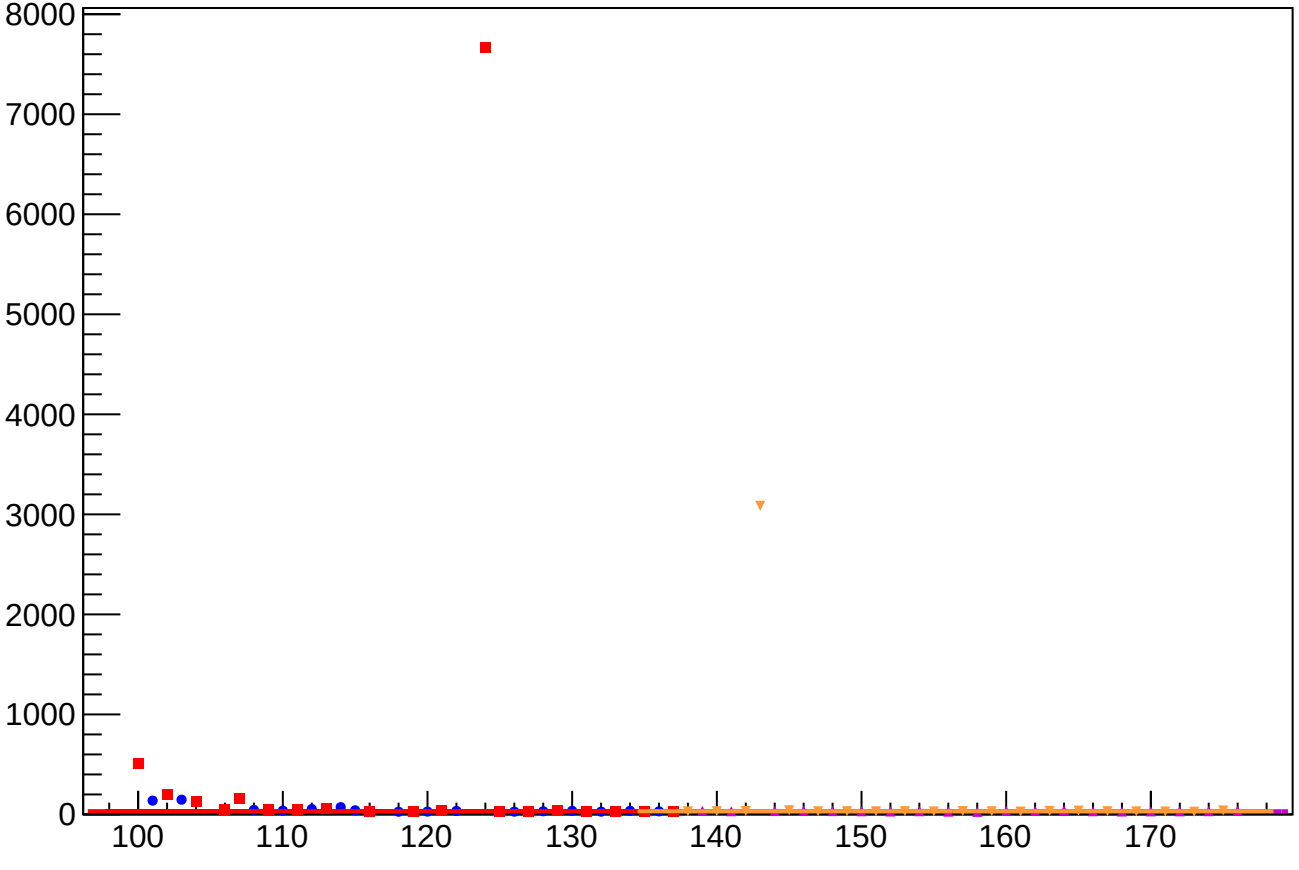
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.004+/-0.005 χ^2/NDF: 84.8/73

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: 32.104+/-0.006 χ^2/NDF:1870546.5/19

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

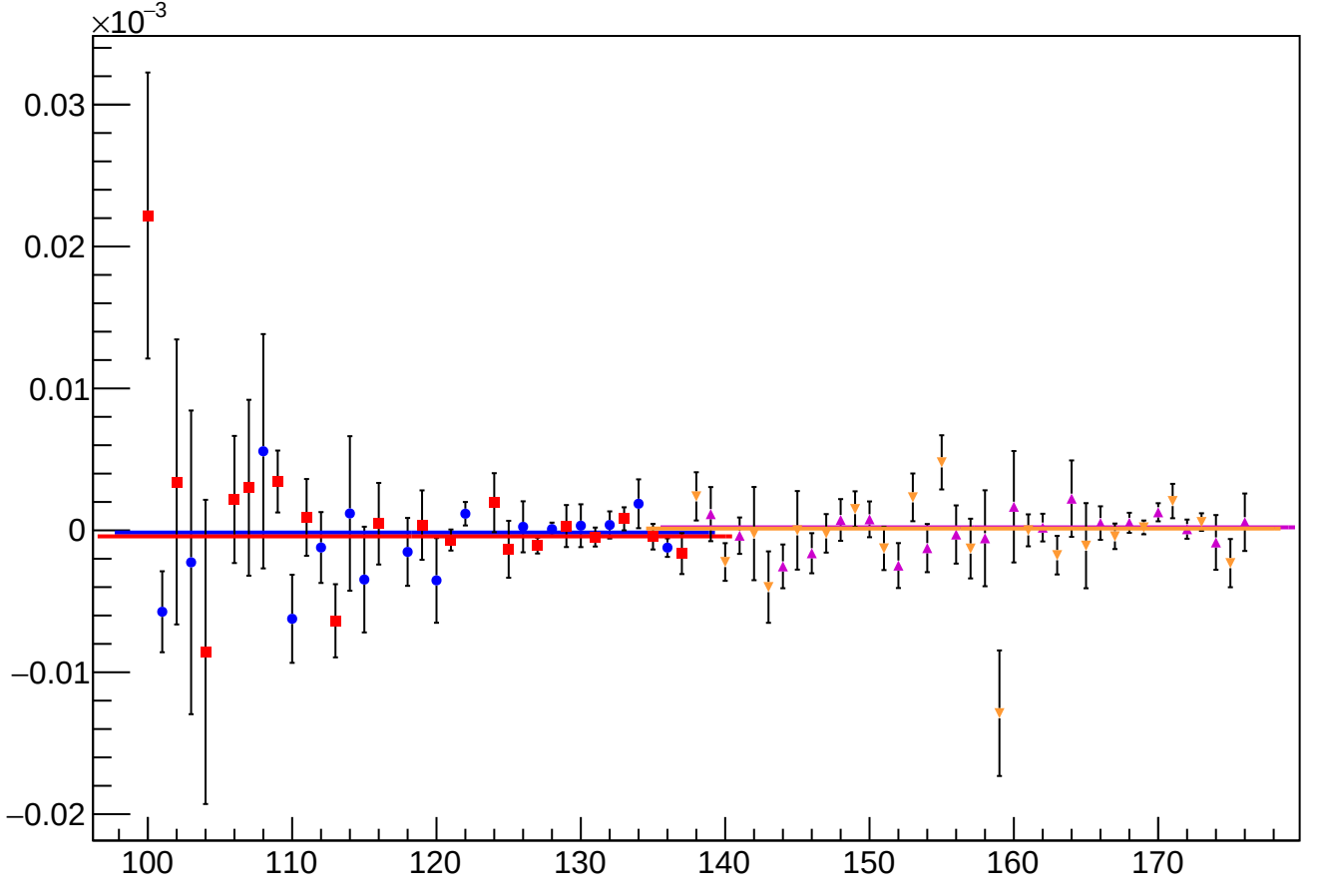
Left: 32.253+/-0.004 χ^2/NDF: 2154408.2/38

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.847+/-0.005 χ^2/NDF:2018389.8/34

Out: 32.366+/-0.005 χ^2/NDF:3952028.9/38

All: 32.608+/-0.004 χ^2/NDF: 5974343.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

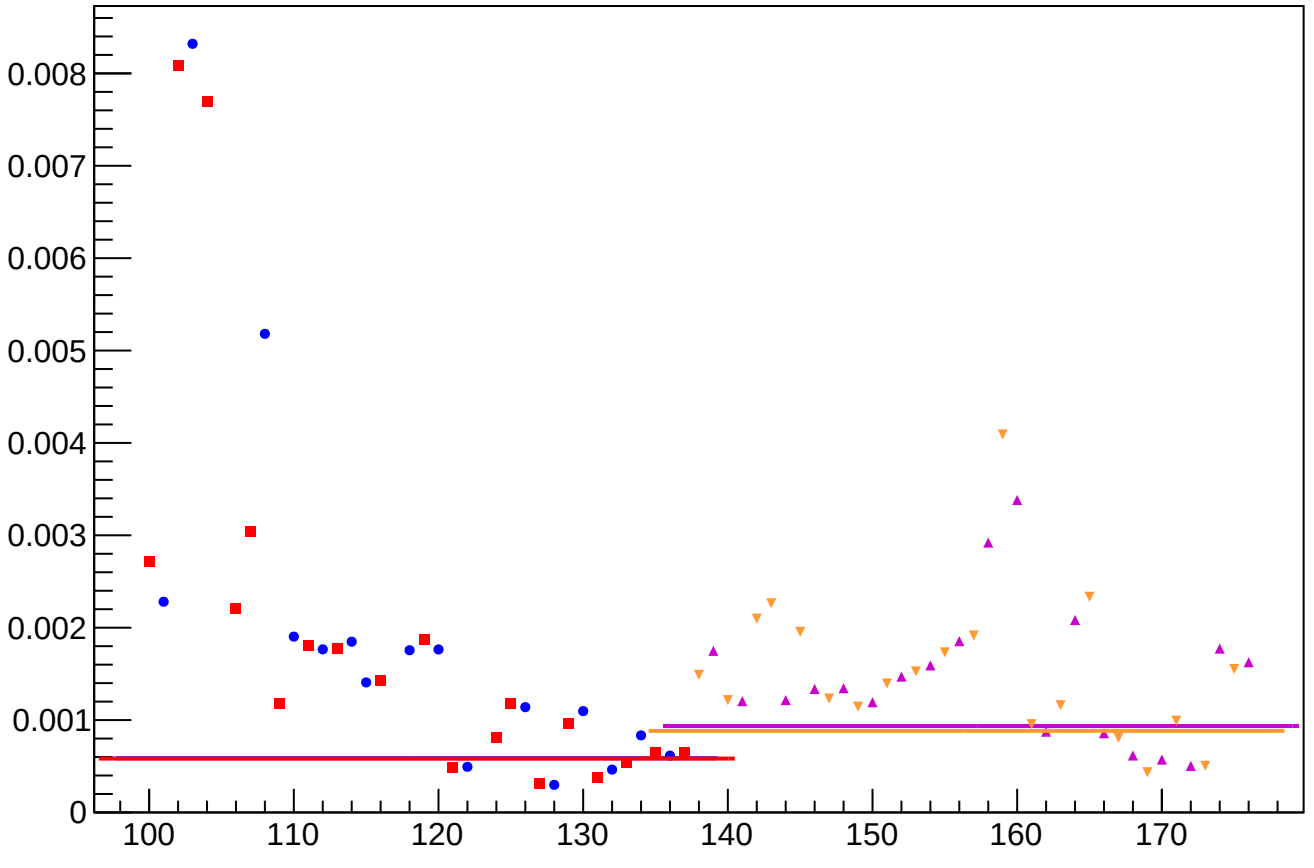
Left: 0.000+/-0.000 χ^2/NDF: 47.7/38

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: -0.000+/-0.000 χ^2/NDF:57.8/38

All: -0.000+/-0.000 χ^2/NDF: 90.6/73



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7580446.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6176239.5/18

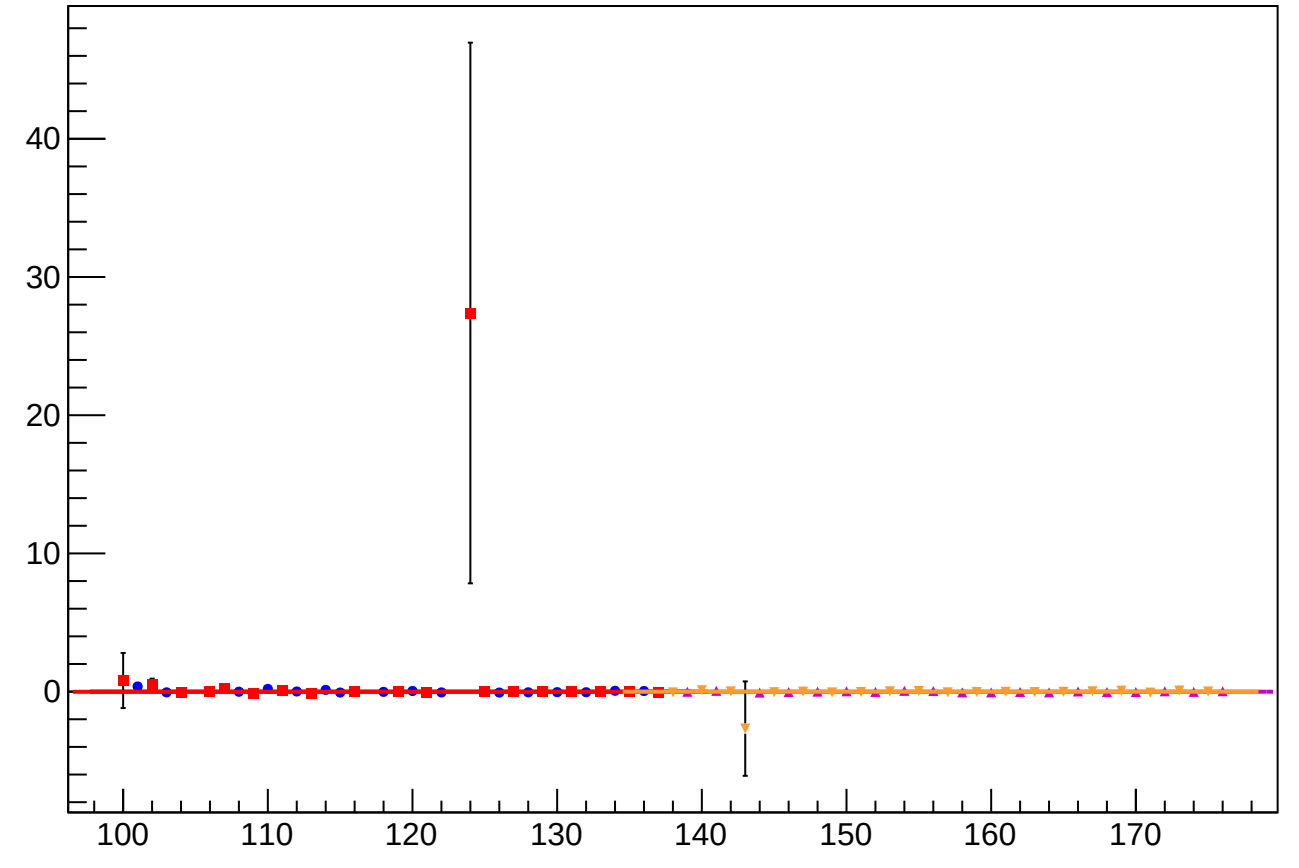
Left: 0.001+/-0.000 χ^2/NDF: 13795370.9/38

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:13162751.7/34

Out: 0.001+/-0.000 χ^2/NDF:14203855.5/38

All: 0.001+/-0.000 χ^2/NDF: 27385871.1/73



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.004+/-0.006 χ^2/NDF: 49.2/38

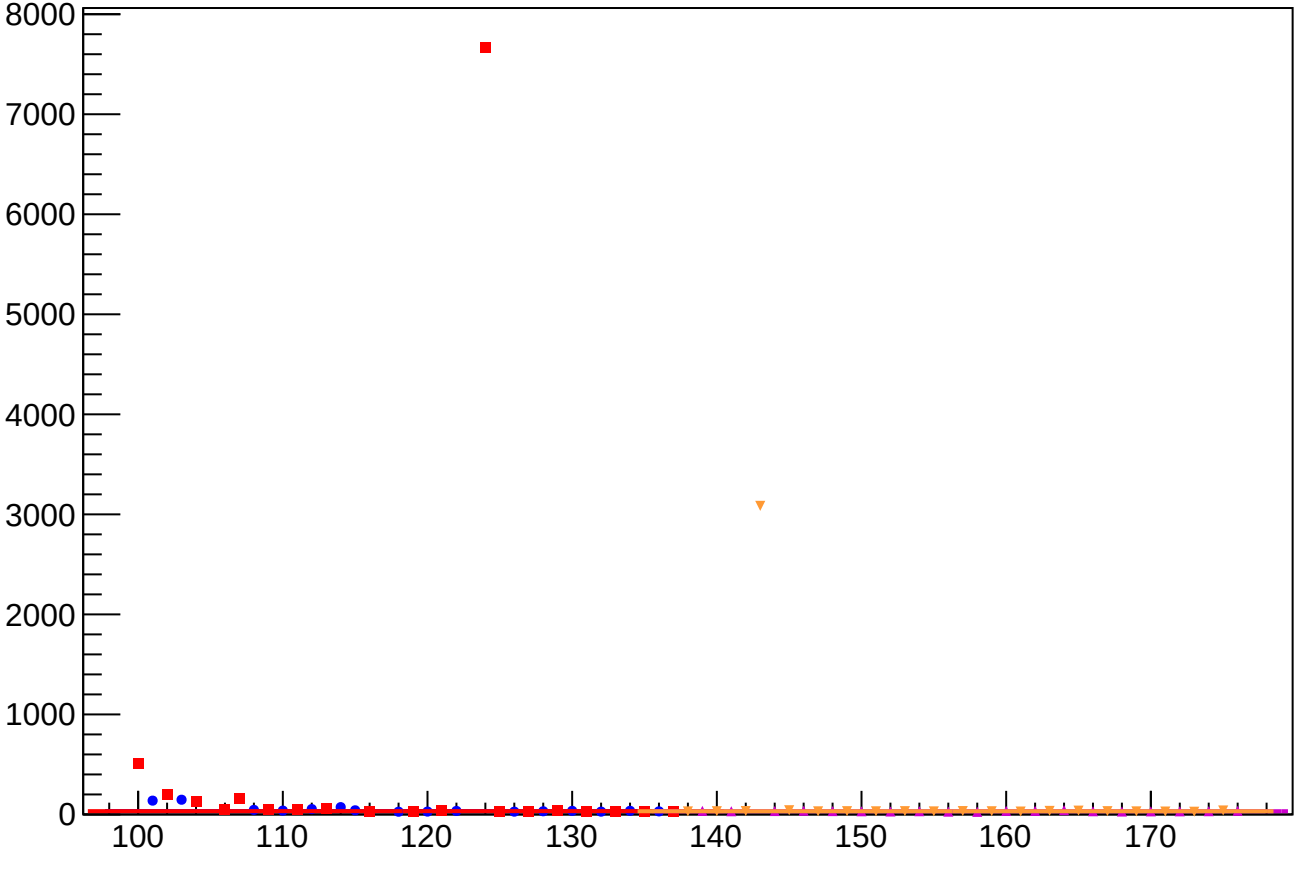
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.004+/-0.005 χ^2/NDF: 84.8/73

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: 32.104+/-0.006 χ^2/NDF:1870539.9/19

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

Left: 32.253+/-0.004 χ^2/NDF: 2154322.9/38

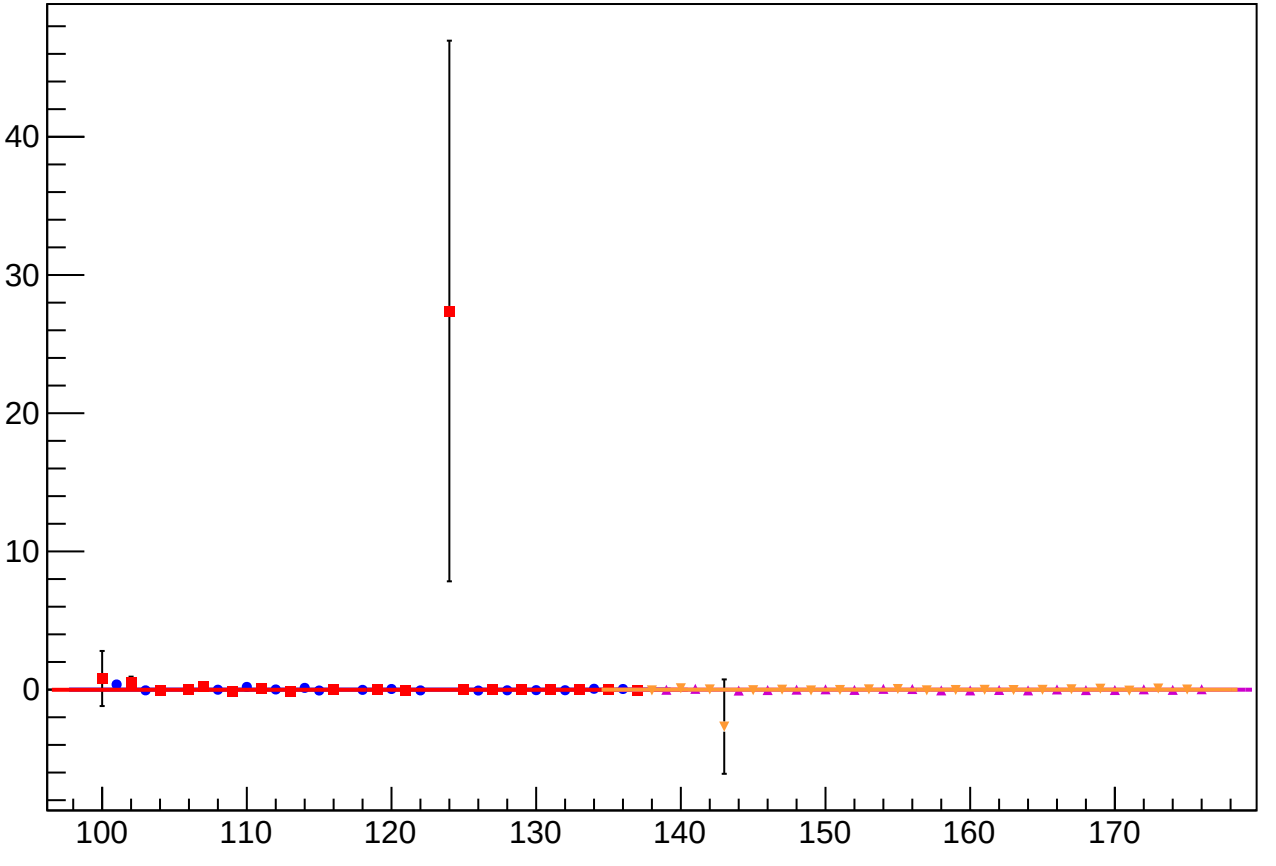
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.847+/-0.005 χ^2/NDF:2018293.8/34

Out: 32.366+/-0.005 χ^2/NDF:3952002.1/38

All: 32.608+/-0.004 χ^2/NDF: 5974223.5/73

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: -0.003+/-0.009 χ^2/NDF:30.6/19

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.004+/-0.006 χ^2/NDF: 49.2/38

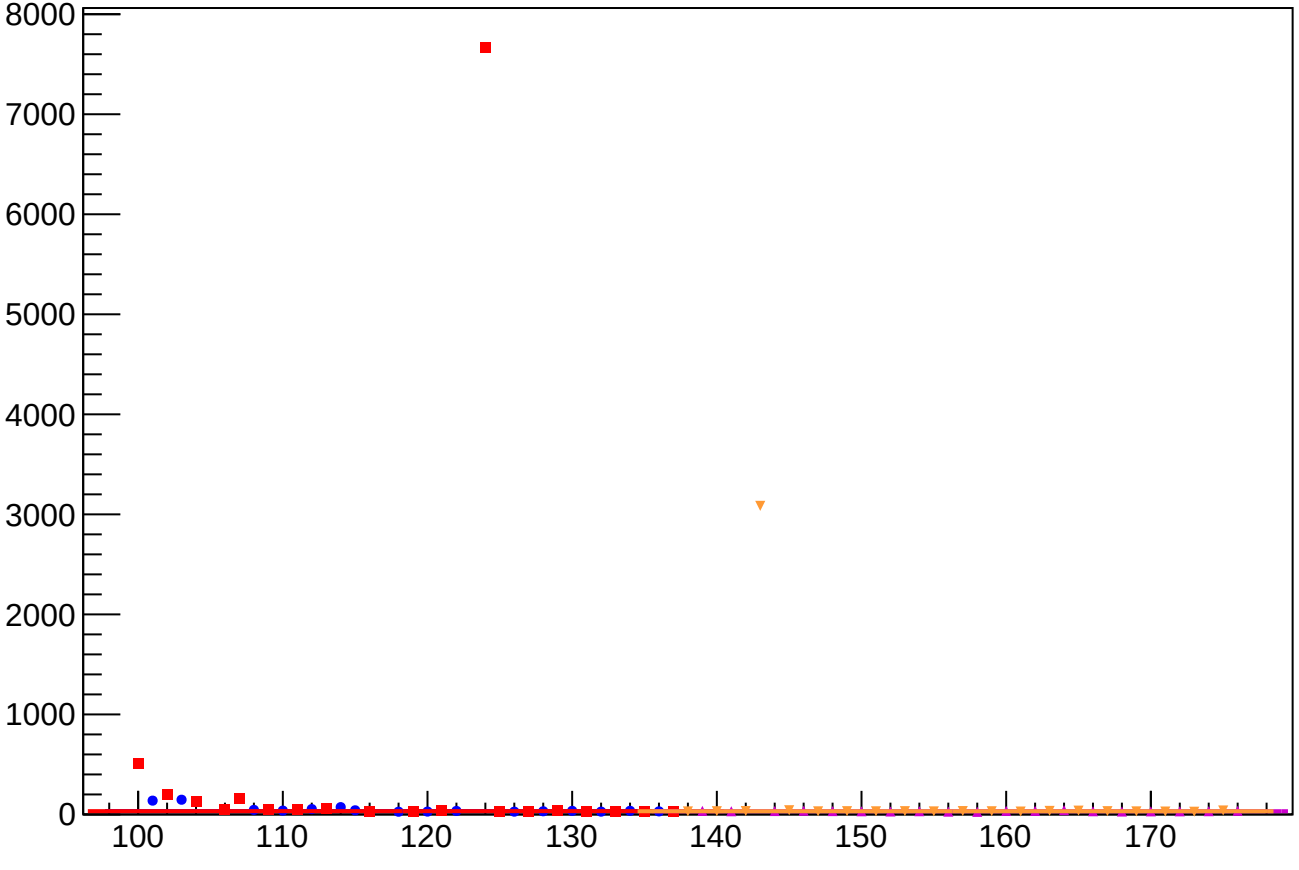
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.005+/-0.008 χ^2/NDF:45.1/38

All: -0.004+/-0.005 χ^2/NDF: 84.8/73

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: 32.104+/-0.006 χ^2/NDF:1870539.9/19

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

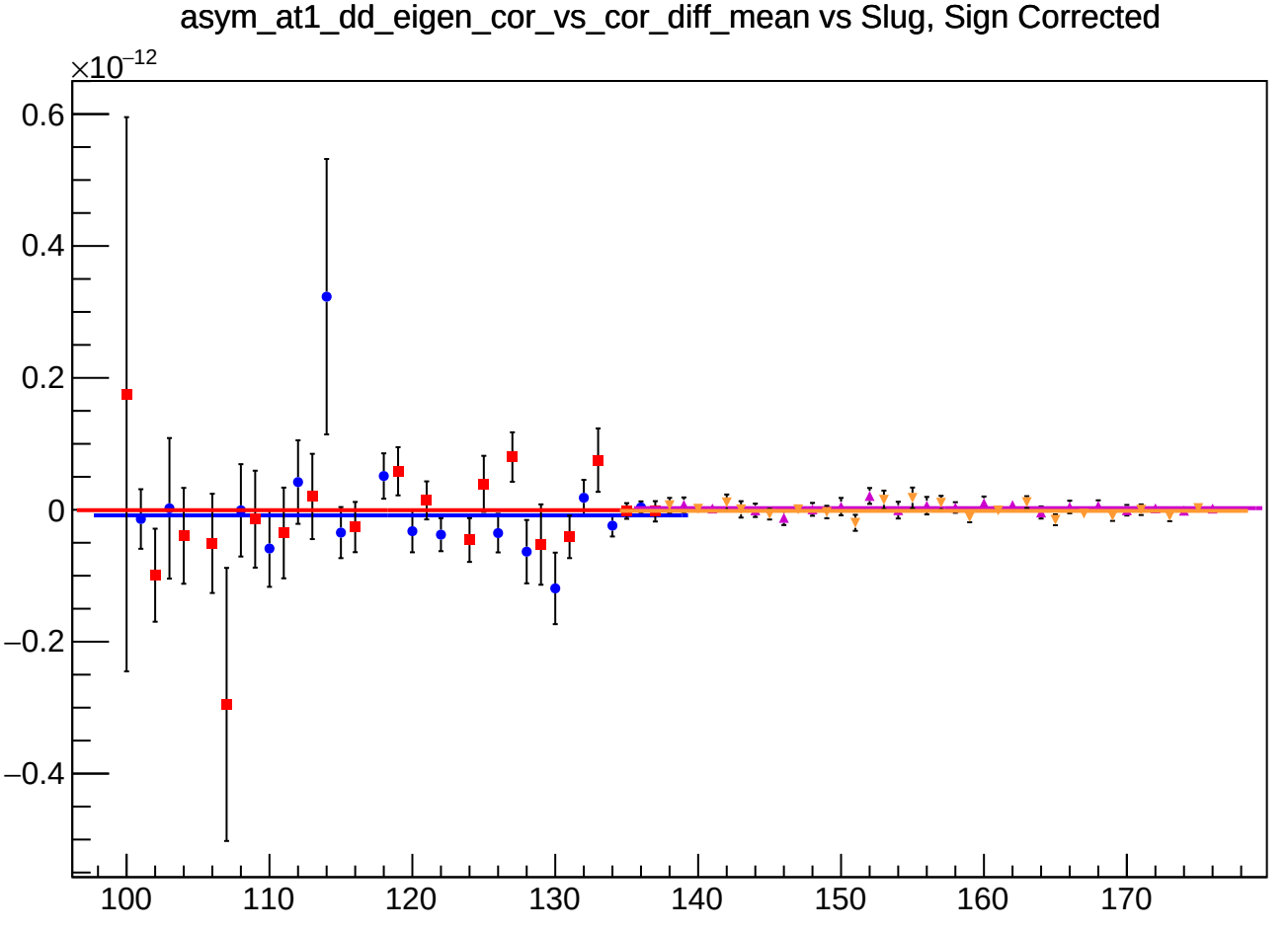
Left: 32.253+/-0.004 χ^2/NDF: 2154322.9/38

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.847+/-0.005 χ^2/NDF:2018293.8/34

Out: 32.366+/-0.005 χ^2/NDF:3952002.1/38

All: 32.608+/-0.004 χ^2/NDF: 5974223.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/18

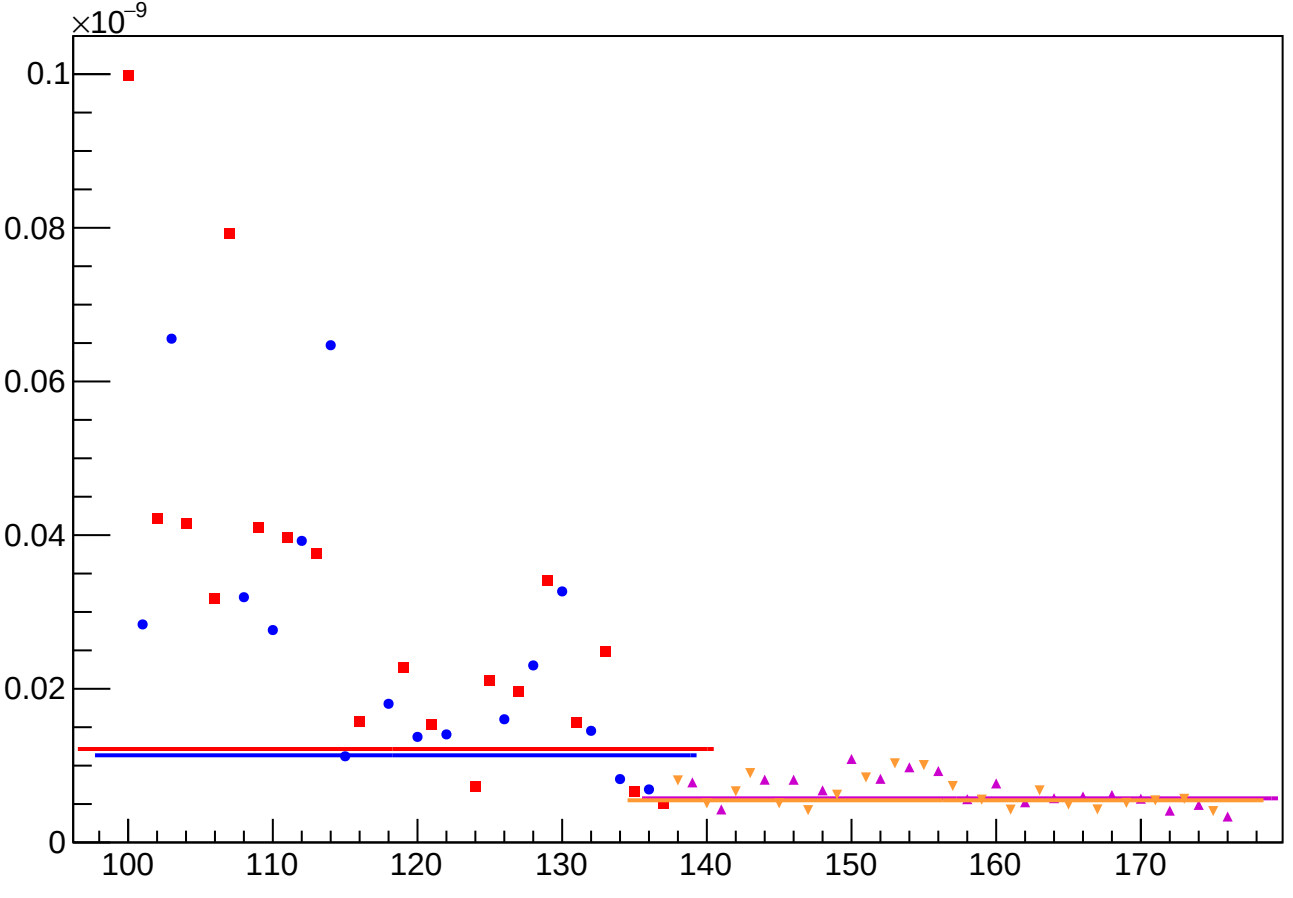
Left: 0.000+/-0.000 χ^2/NDF: 27.5/38

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.8/34

Out: -0.000+/-0.000 χ^2/NDF:39.0/38

All: -0.000+/-0.000 χ^2/NDF: 69.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1293959.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1786181.1/18

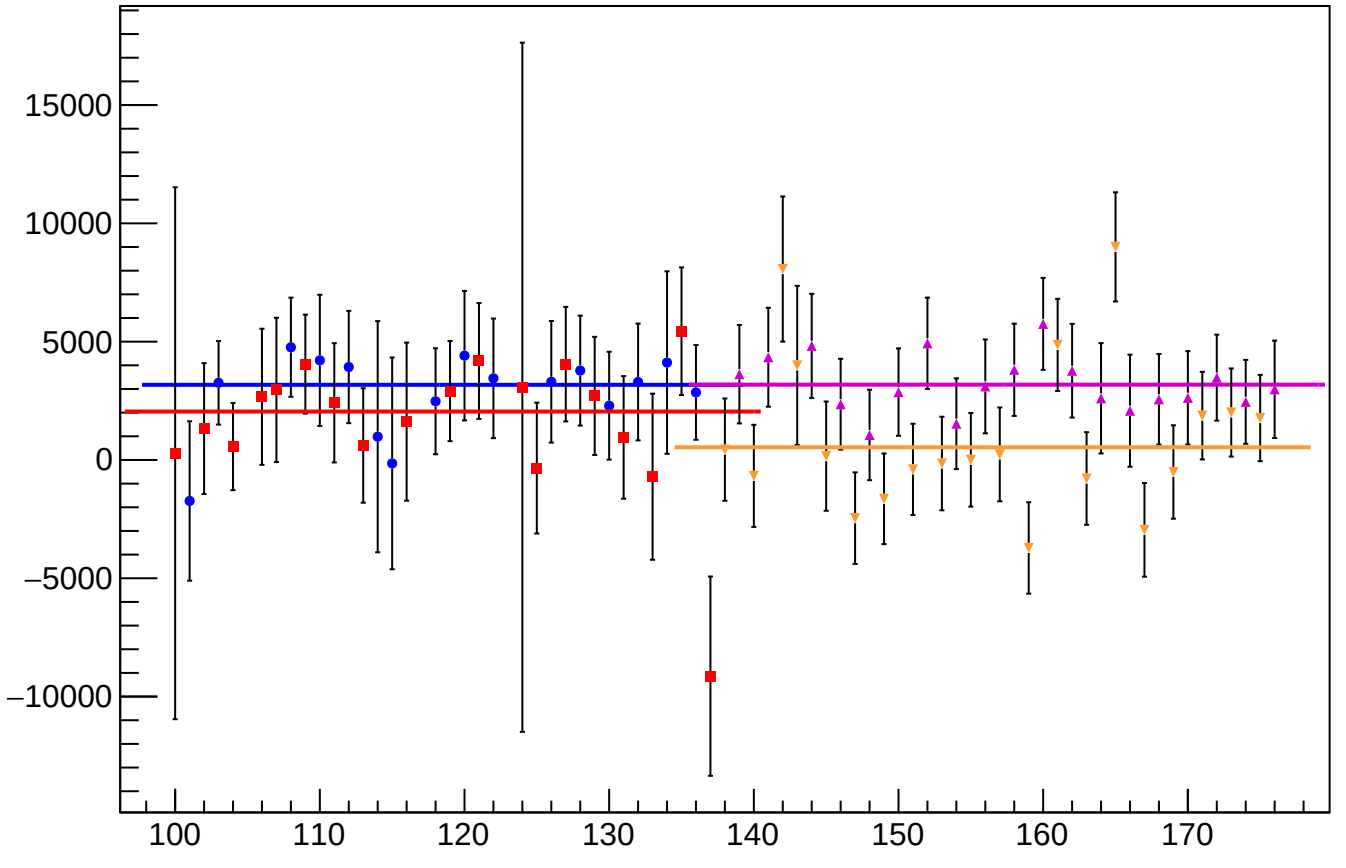
Left: 0.000+/-0.000 χ^2/NDF: 3098196.1/38

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6003918.2/34

Out: 0.000+/-0.000 χ^2/NDF:6641996.7/38

All: 0.000+/-0.000 χ^2/NDF: 12674945.5/73



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.198+/-458.408 χ^2/NDF:40.3/19

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.489+/-454.931 χ^2/NDF:6.5/18

Left: 1869.921+/-322.907 χ^2/NDF: 63.6/38

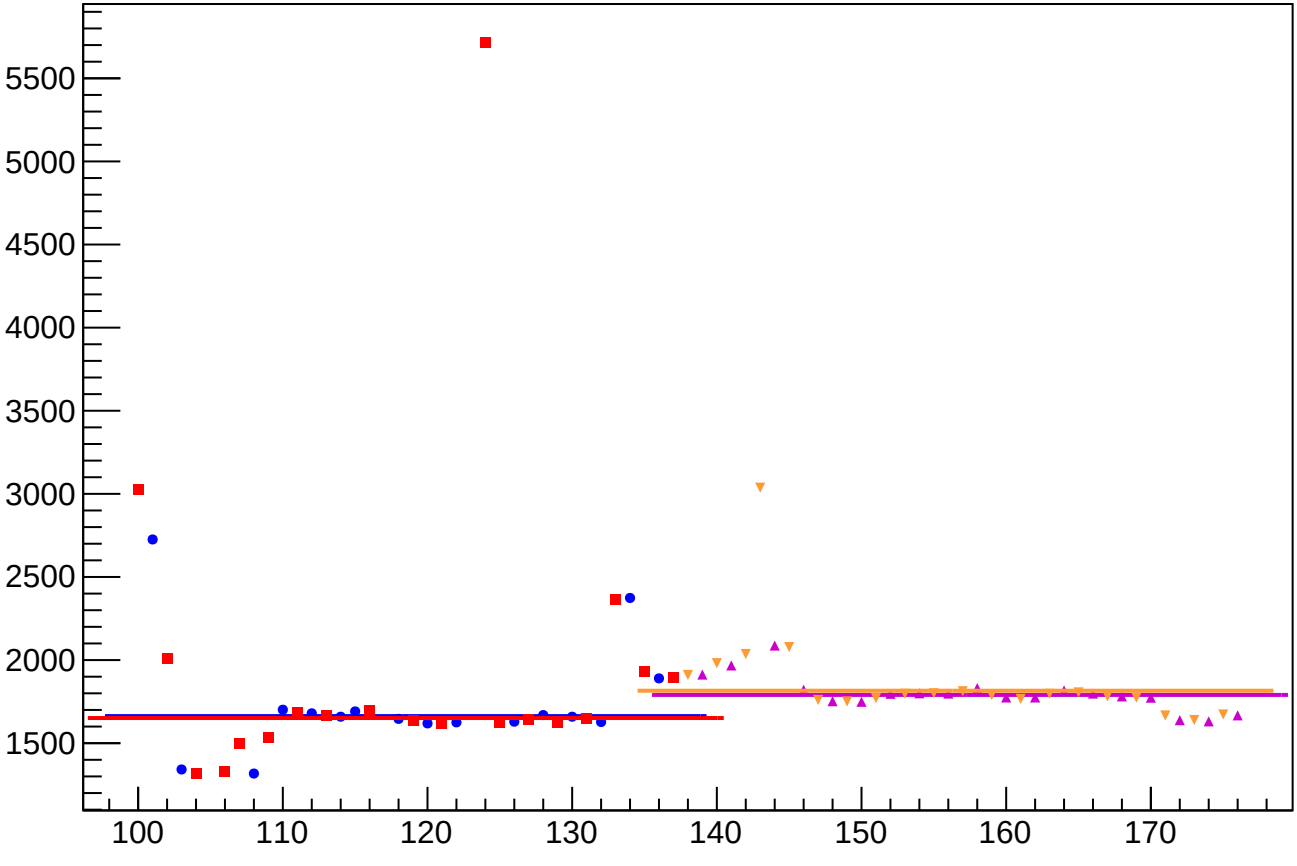
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3180.773+/-368.418 χ^2/NDF:10.8/34

Out: 1068.663+/-368.913 χ^2/NDF:58.2/38

All: 2126.136+/-260.686 χ^2/NDF: 85.4/73

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1790.352+/-0.322 χ^2/NDF:99037.9/18

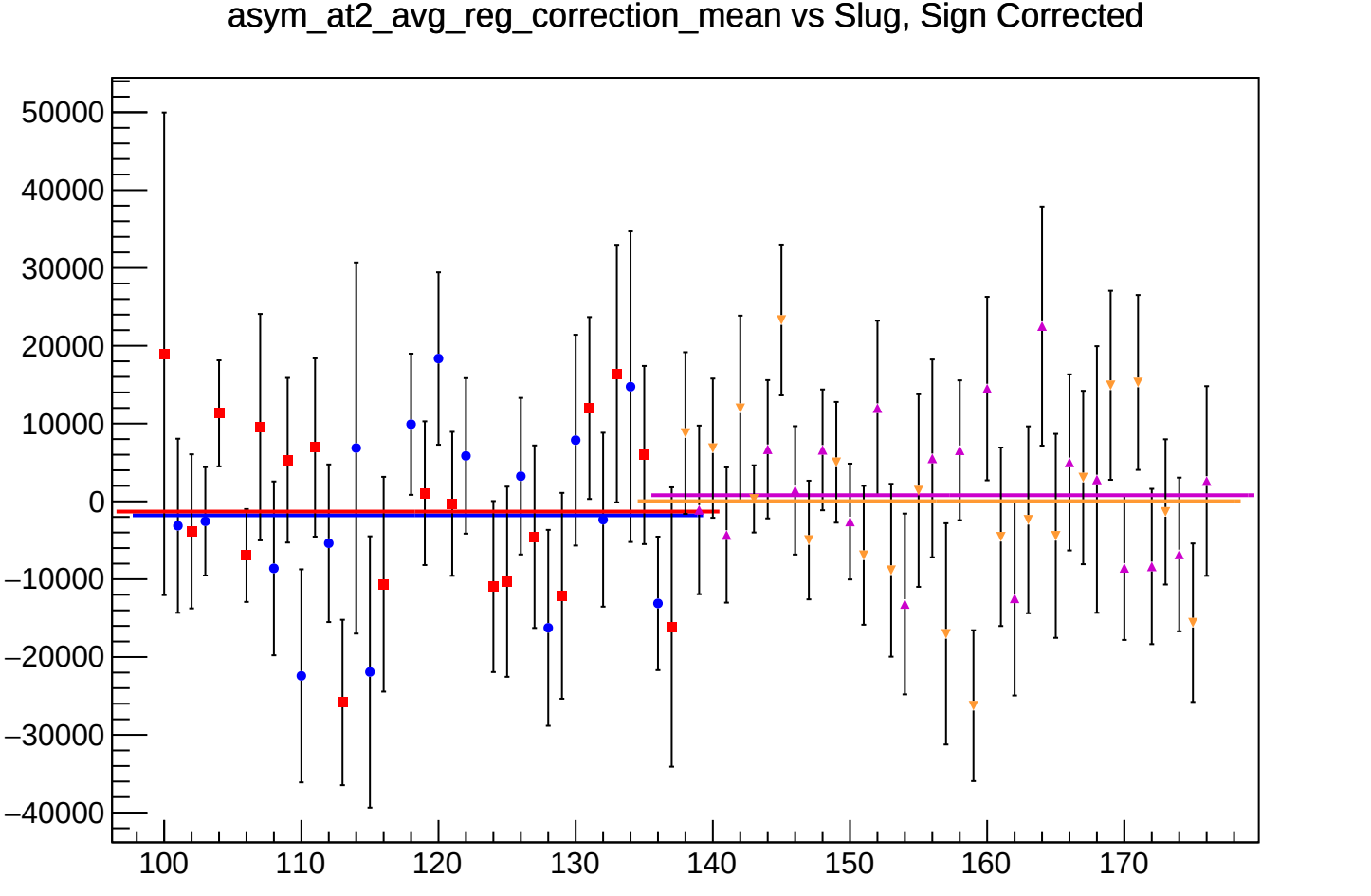
Left: 1802.902+/-0.228 χ^2/NDF: 469846.3/38

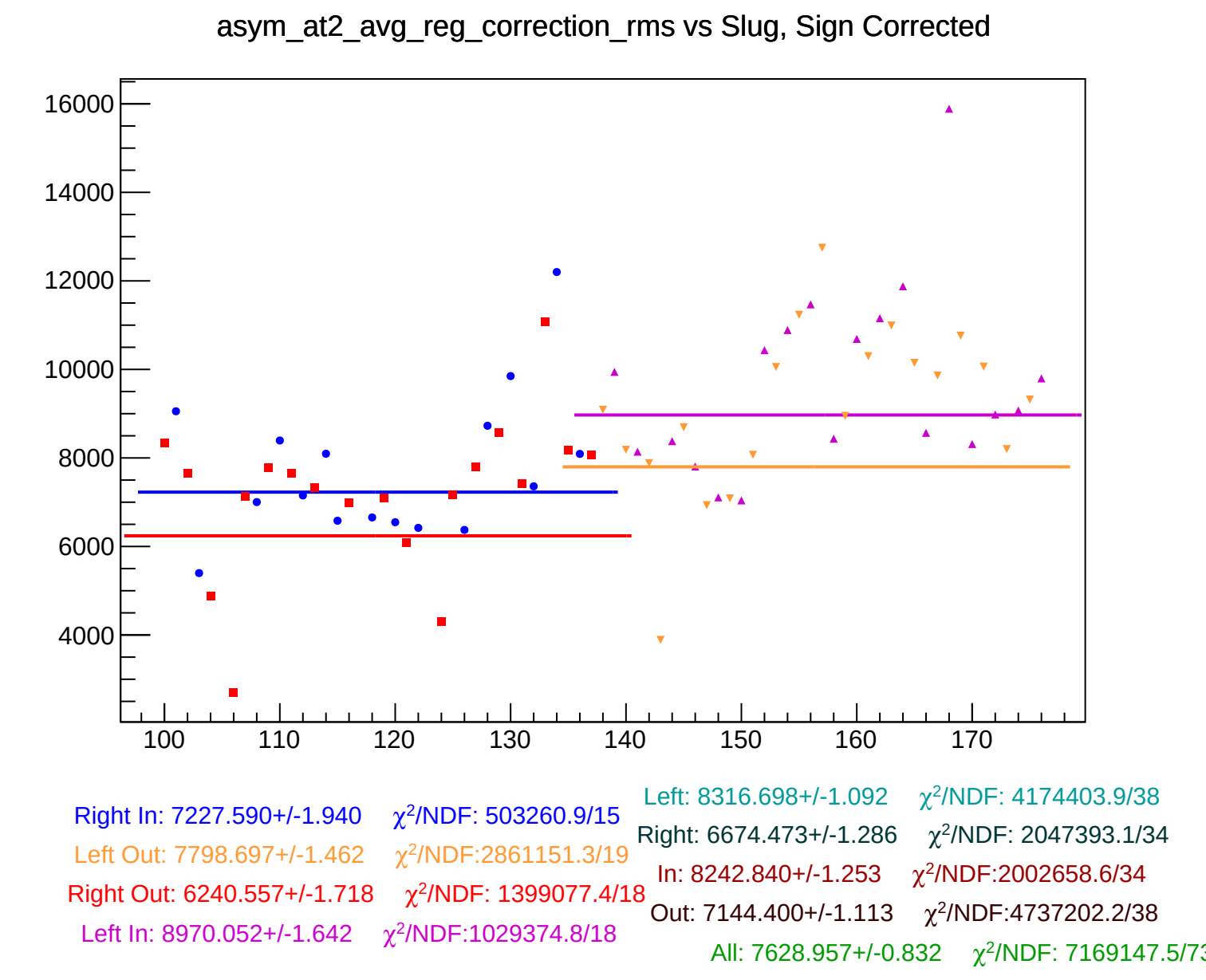
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

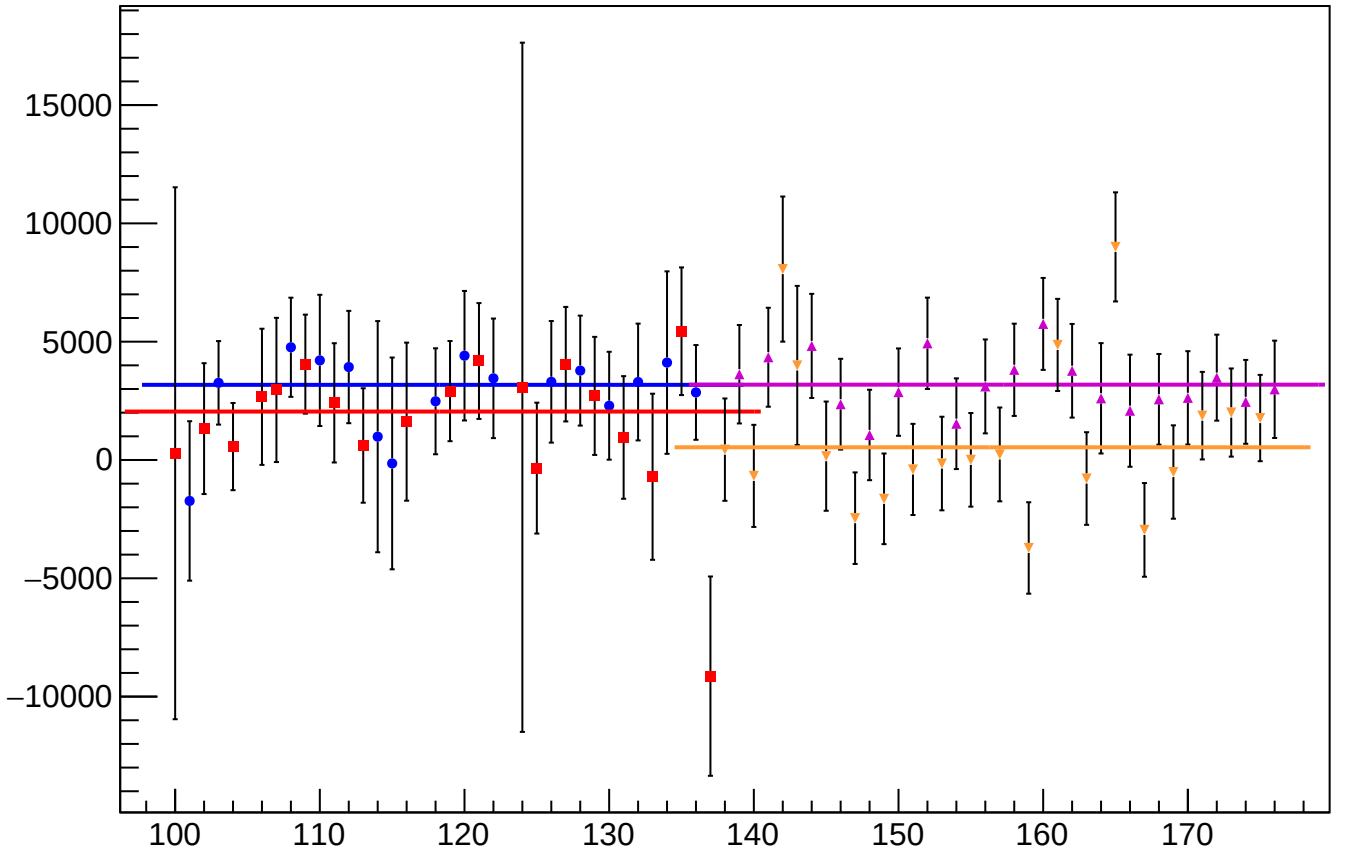
In: 1746.488+/-0.261 χ^2/NDF:568694.3/34

Out: 1757.745+/-0.261 χ^2/NDF:890255.5/38

All: 1752.109+/-0.184 χ^2/NDF: 1459882.3/73


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 25.376+/-2067.563 χ²/NDF:25.1/19
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 795.120+/-2322.029 χ²/NDF:11.7/18
Left: 365.775+/-1544.147 χ²/NDF: 36.8/38
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -284.203+/-1772.444 χ²/NDF:26.5/34
Out: -533.829+/-1574.715 χ²/NDF:43.0/38
All: -423.711+/-1177.217 χ²/NDF: 69.5/73


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: 7798.697+/-1.462 χ²/NDF:2861151.3/19
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8970.052+/-1.642 χ²/NDF:1029374.8/18
Left: 8316.698+/-1.092 χ²/NDF: 4174403.9/38
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8242.840+/-1.253 χ²/NDF:2002658.6/34
Out: 7144.400+/-1.113 χ²/NDF:4737202.2/38
All: 7628.957+/-0.832 χ²/NDF: 7169147.5/73



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.445+/-454.931 χ^2/NDF:6.5/18

Left: 1869.864+/-322.907 χ^2/NDF: 63.6/38

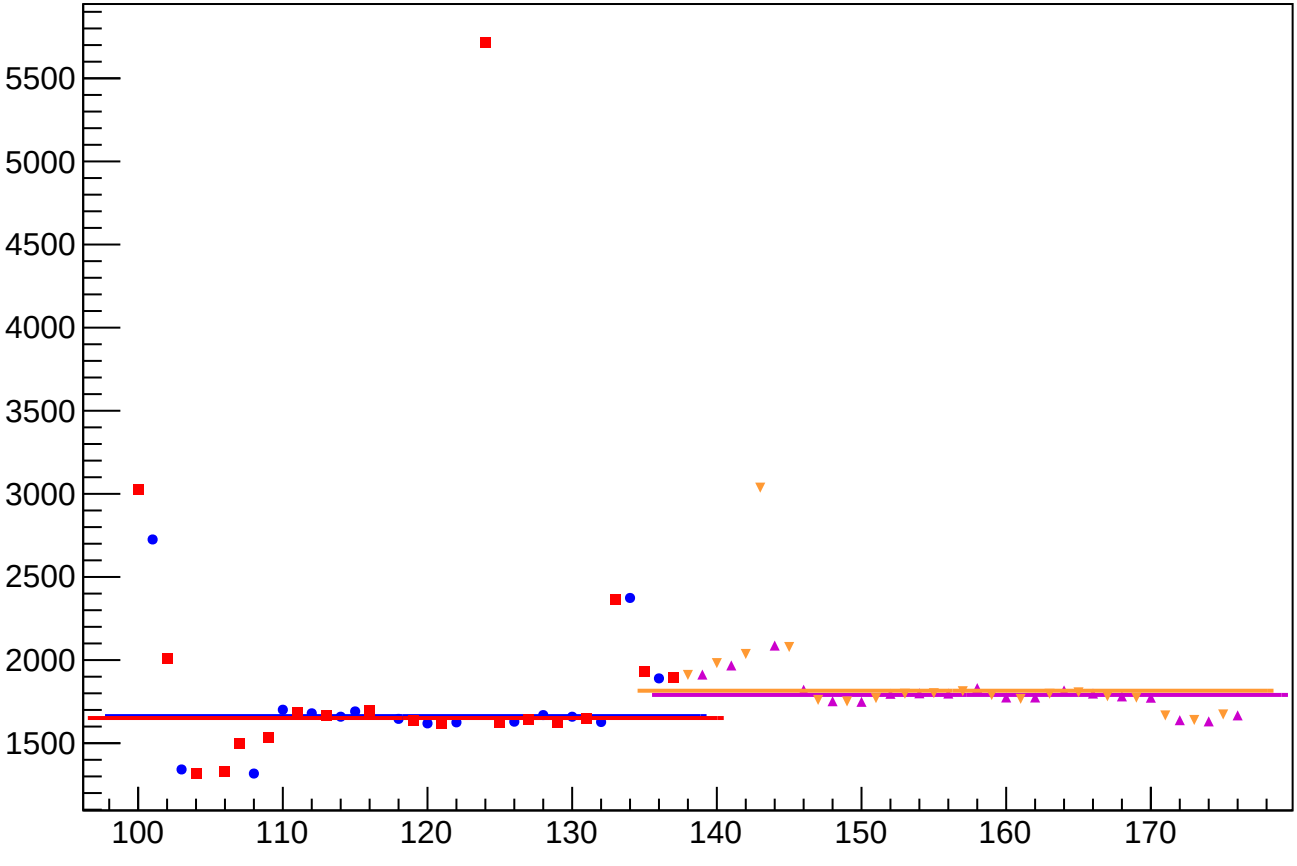
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3180.775+/-368.418 χ^2/NDF:10.8/34

Out: 1068.551+/-368.913 χ^2/NDF:58.2/38

All: 2126.080+/-260.686 χ^2/NDF: 85.4/73

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

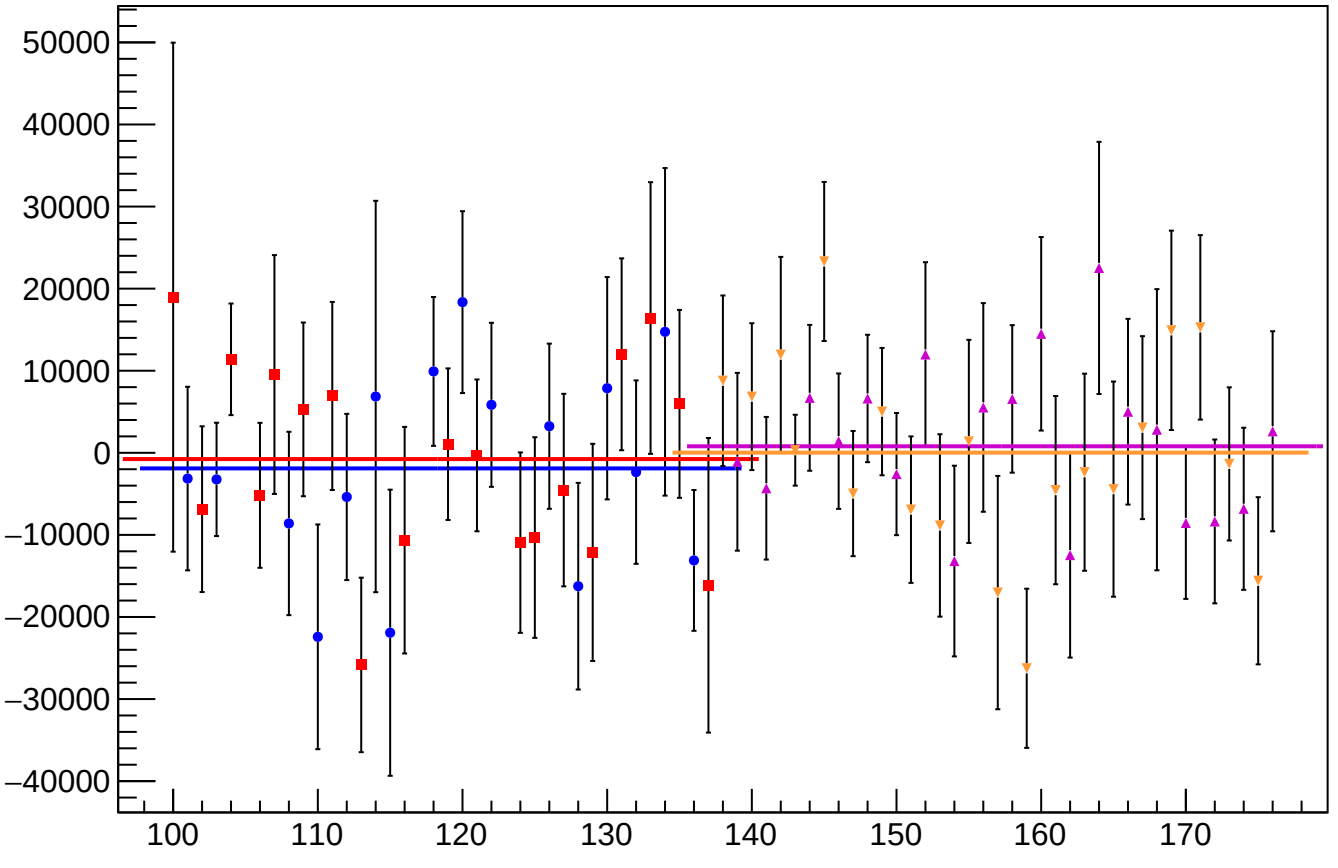
Left: 1802.902+/-0.228 χ^2/NDF: 469846.3/38

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.488+/-0.261 χ^2/NDF:568694.7/34

Out: 1757.745+/-0.261 χ^2/NDF:890255.8/38

All: 1752.109+/-0.184 χ^2/NDF: 1459883.1/73



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 25.306+/-2067.558 χ^2/NDF:25.1/19

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 795.210+/-2322.027 χ^2/NDF:11.7/18

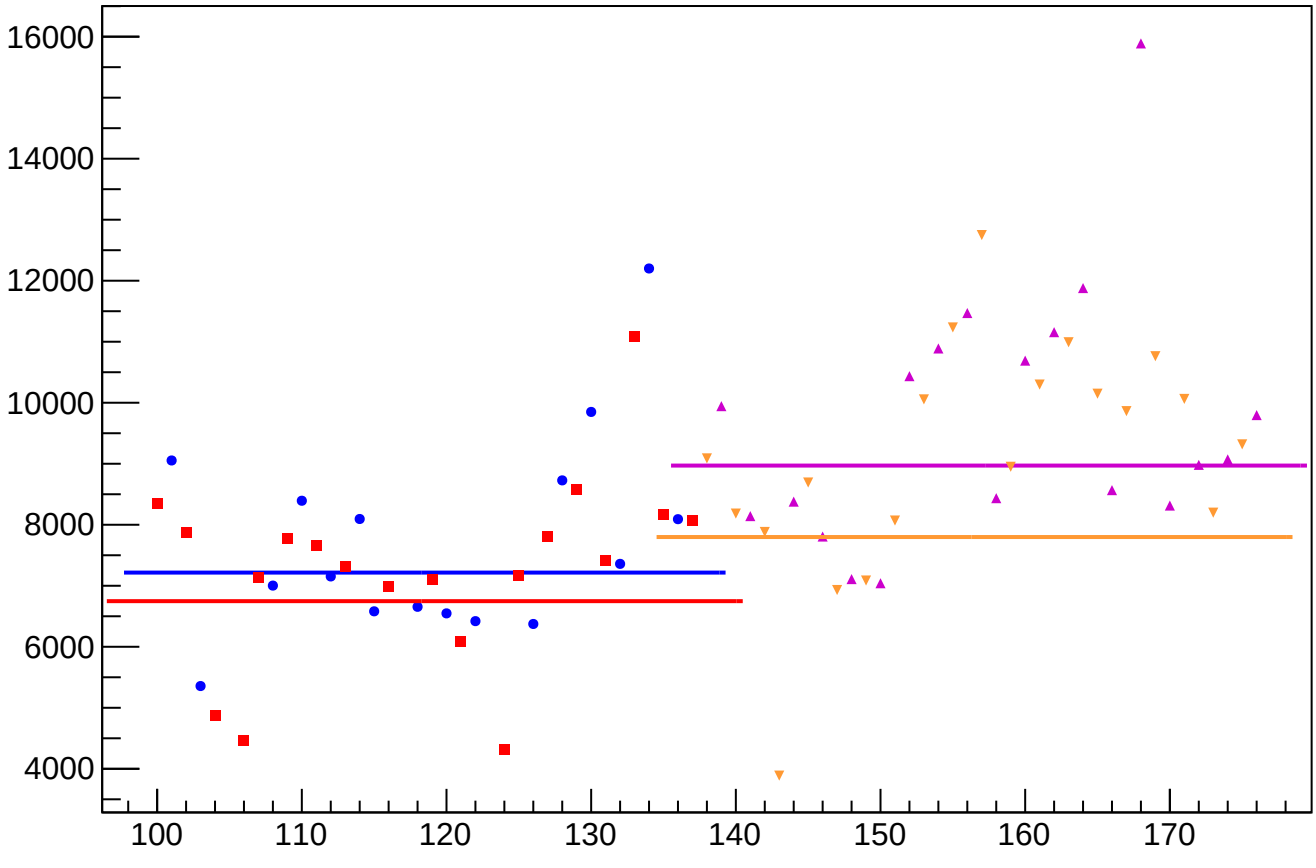
Left: 365.775+/-1544.145 χ^2/NDF: 36.8/38

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -331.432+/-1771.454 χ^2/NDF:26.6/34

Out: -287.189+/-1605.976 χ^2/NDF:42.4/38

All: -307.148+/-1189.808 χ^2/NDF: 69.0/73



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7798.667+/-1.462 χ^2/NDF:2861218.3/19

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

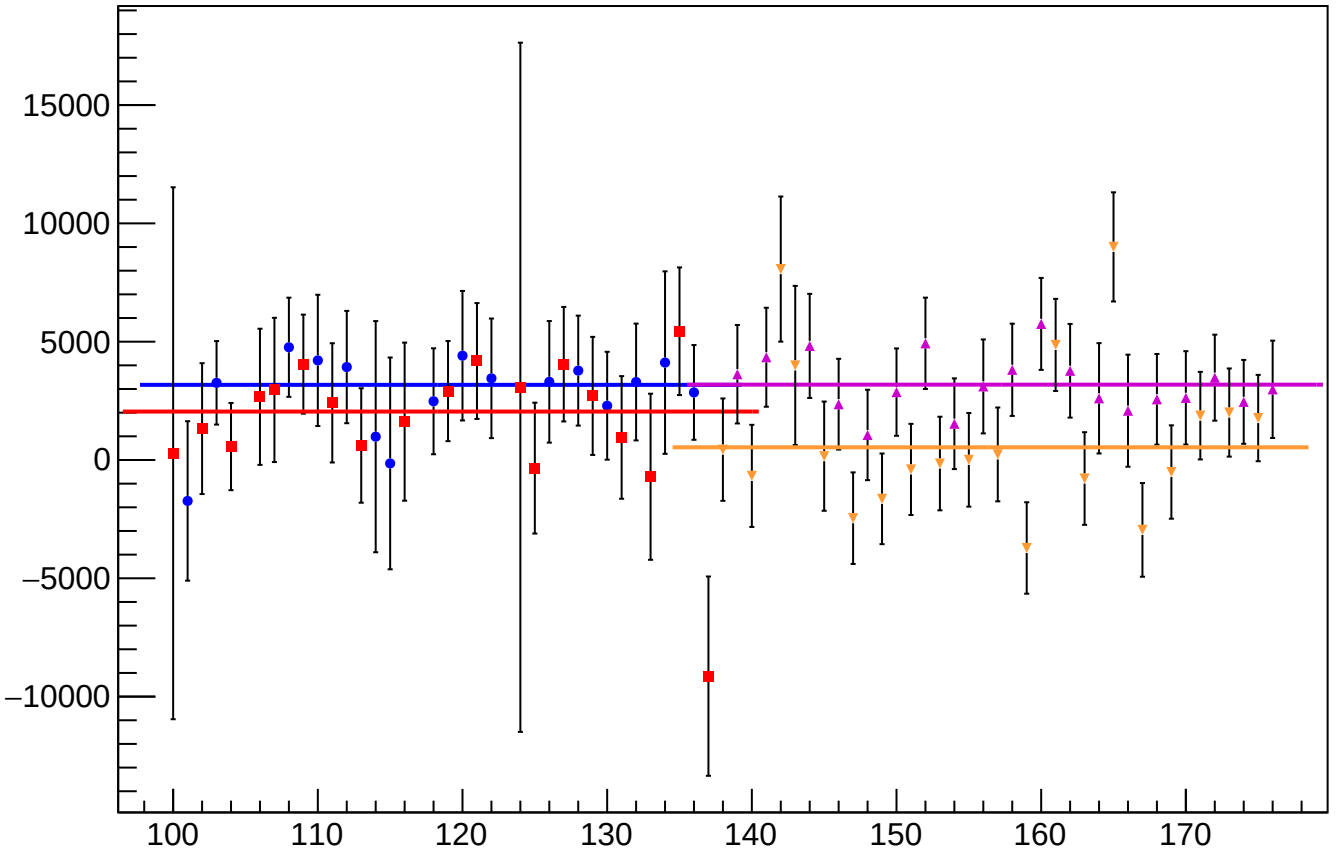
Left: 8316.677+/-1.092 χ^2/NDF: 4174488.1/38

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8236.872+/-1.253 χ^2/NDF:2018524.9/34

Out: 7381.806+/-1.136 χ^2/NDF:3774976.6/38

All: 7767.545+/-0.841 χ^2/NDF: 6049269.0/73



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 536.129+/-458.408 χ^2/NDF:40.3/19

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.445+/-454.931 χ^2/NDF:6.5/18

Left: 1869.864+/-322.907 χ^2/NDF: 63.6/38

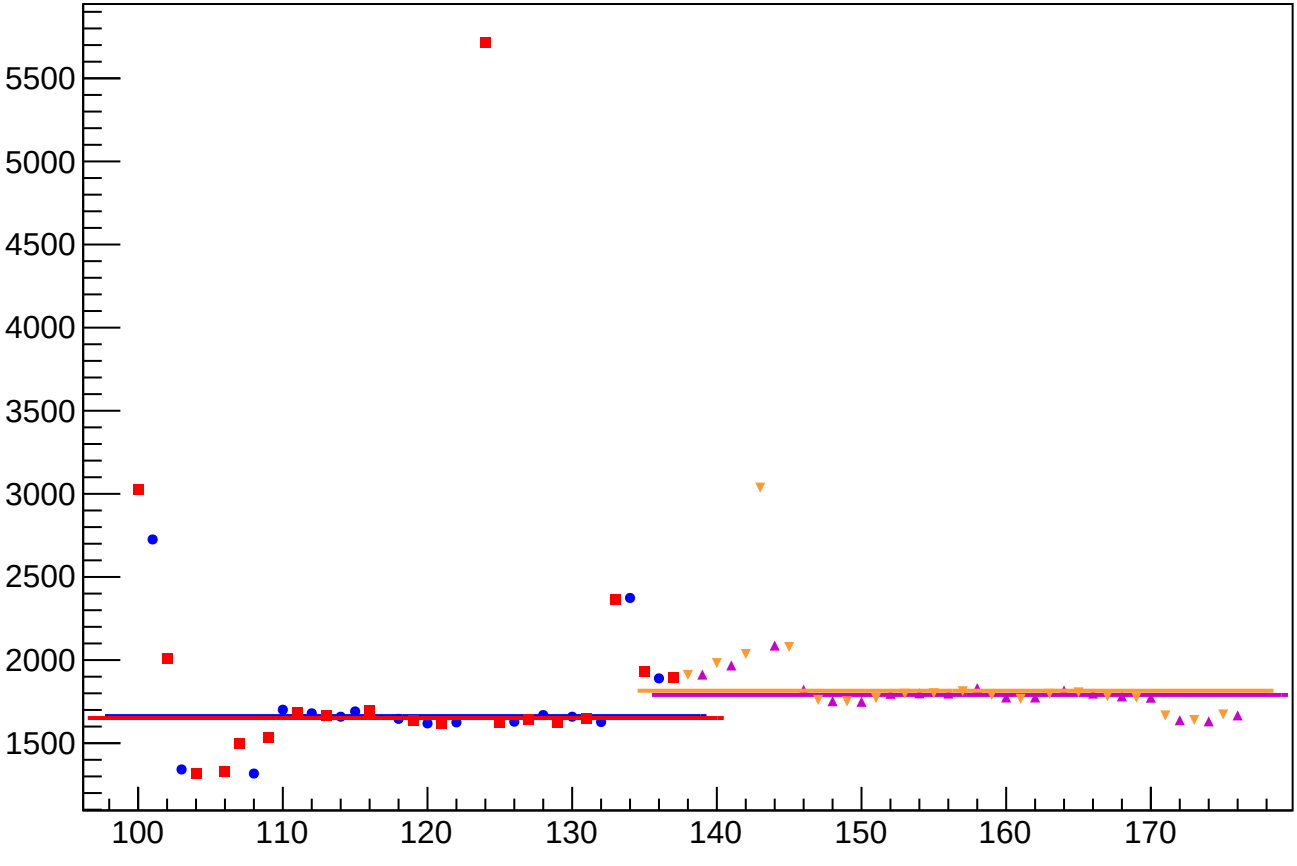
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3180.775+/-368.418 χ^2/NDF:10.8/34

Out: 1068.551+/-368.913 χ^2/NDF:58.2/38

All: 2126.080+/-260.686 χ^2/NDF: 85.4/73

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1815.644+/-0.324 χ^2/NDF:367741.3/19

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

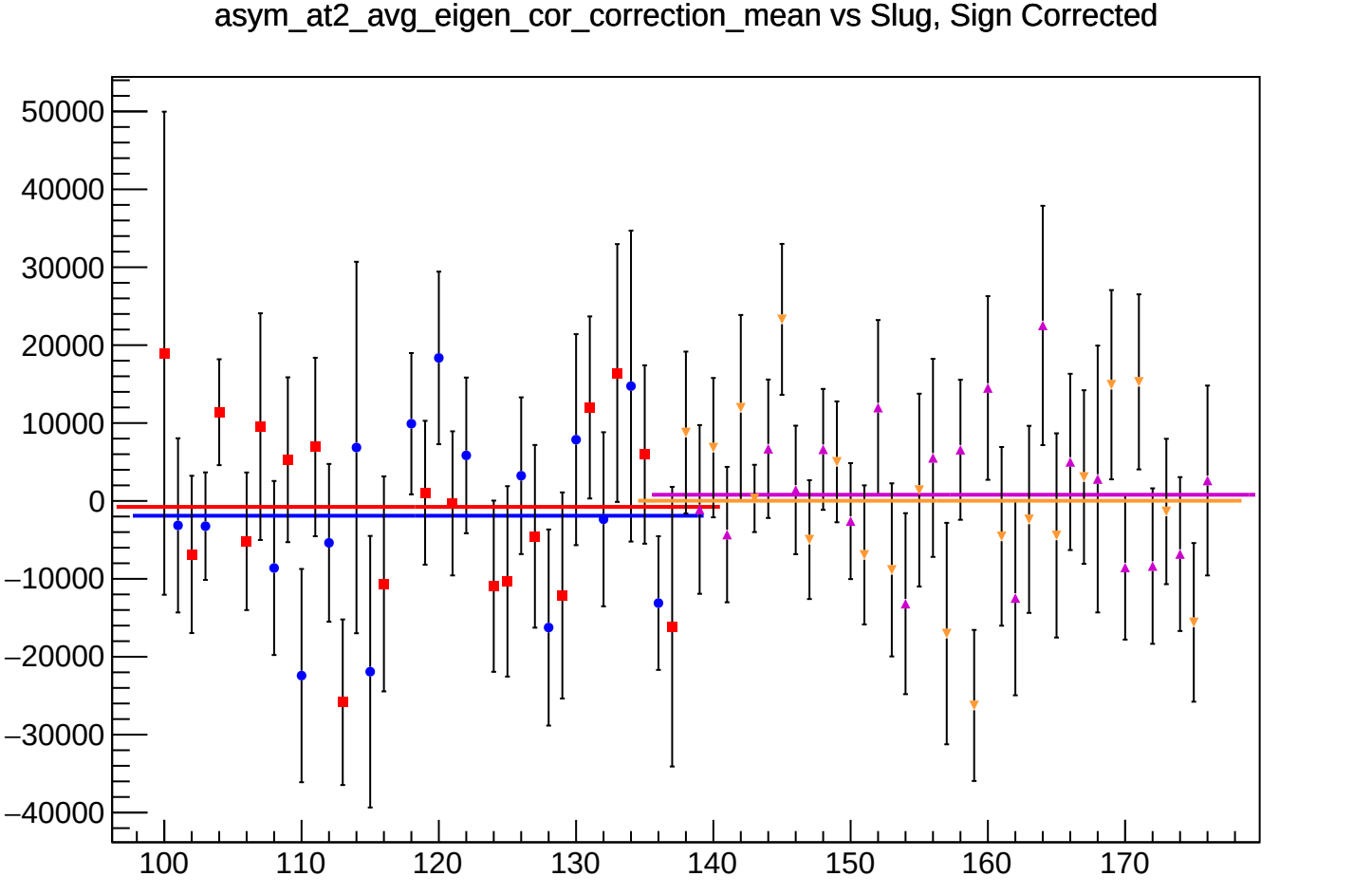
Left: 1802.902+/-0.228 χ^2/NDF: 469846.3/38

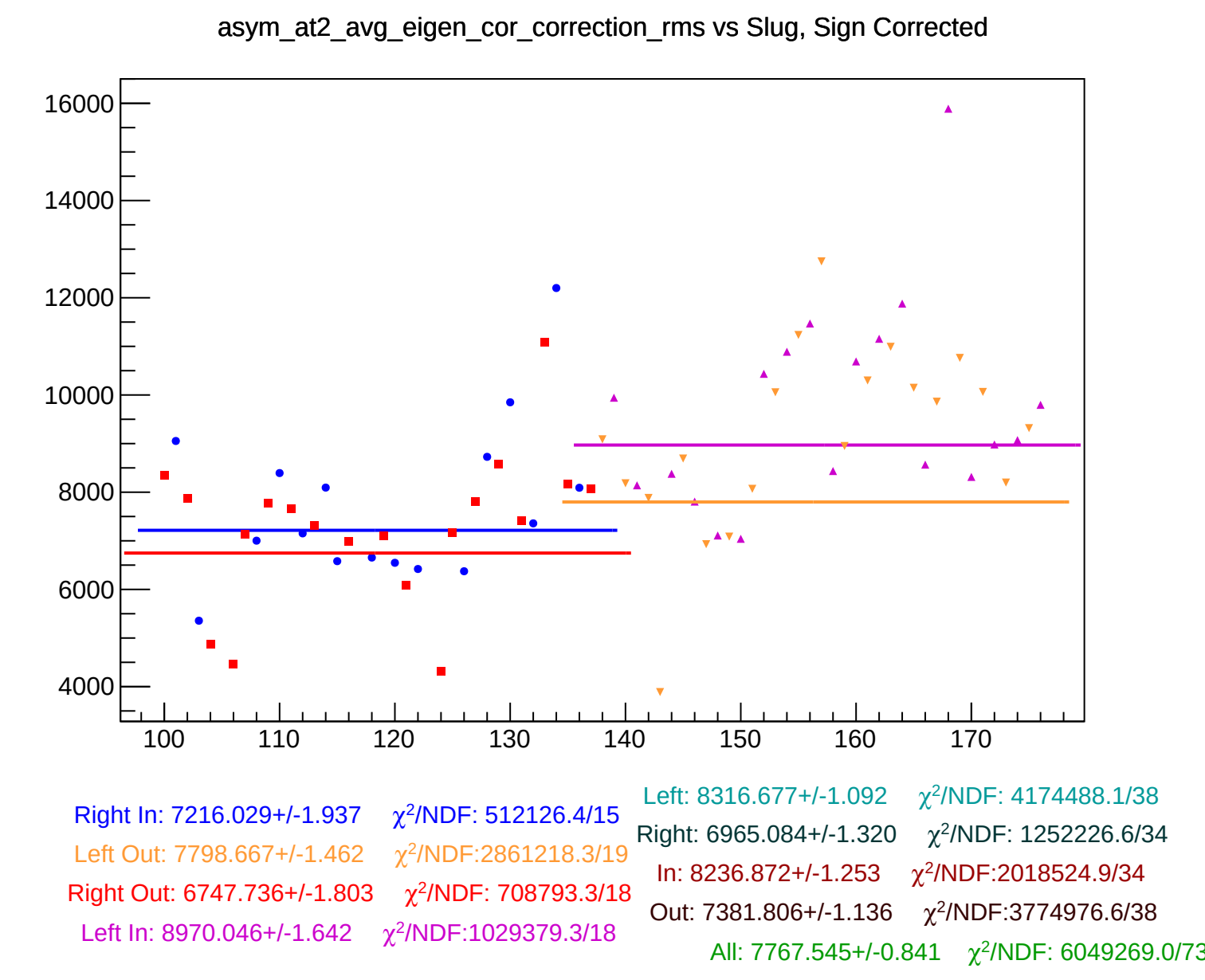
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

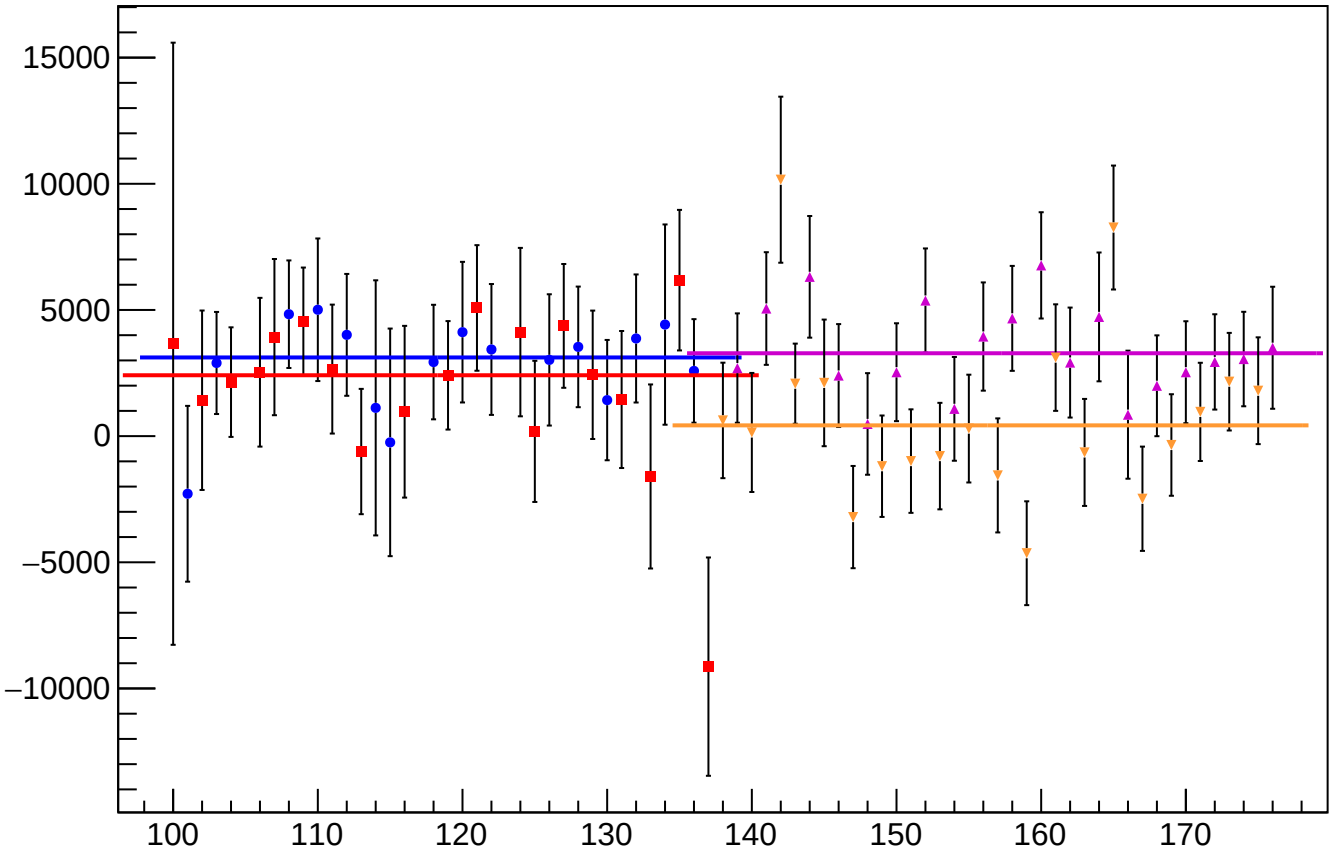
In: 1746.488+/-0.261 χ^2/NDF:568694.7/34

Out: 1757.745+/-0.261 χ^2/NDF:890255.8/38

All: 1752.109+/-0.184 χ^2/NDF: 1459883.1/73


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 25.306+/-2067.558 χ²/NDF:25.1/19
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 795.210+/-2322.027 χ²/NDF:11.7/18
Left: 365.775+/-1544.145 χ²/NDF: 36.8/38
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -331.432+/-1771.454 χ²/NDF:26.6/34
Out: -287.189+/-1605.976 χ²/NDF:42.4/38
All: -307.148+/-1189.808 χ²/NDF: 69.0/73


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7798.667+/-1.462 χ²/NDF:2861218.3/19
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8970.046+/-1.642 χ²/NDF:1029379.3/18
Left: 8316.677+/-1.092 χ²/NDF: 4174488.1/38
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8236.872+/-1.253 χ²/NDF:2018524.9/34
Out: 7381.806+/-1.136 χ²/NDF:3774976.6/38
All: 7767.545+/-0.841 χ²/NDF: 6049269.0/73



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 426.490+/-472.892 χ^2/NDF:37.3/19

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3284.213+/-485.881 χ^2/NDF:11.9/18

Left: 1816.646+/-338.884 χ^2/NDF: 67.0/38

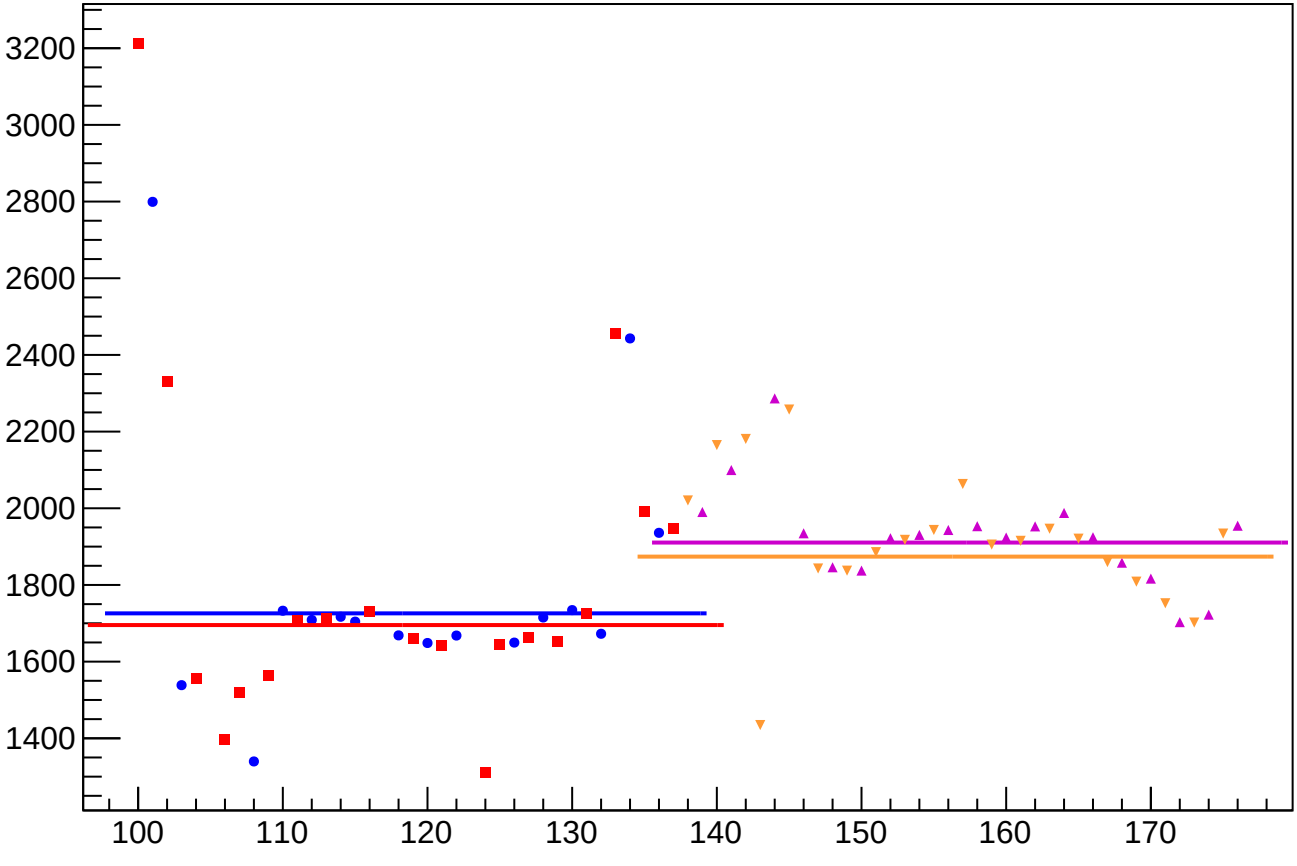
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3224.719+/-389.409 χ^2/NDF:17.2/34

Out: 1129.244+/-380.125 χ^2/NDF:59.6/38

All: 2151.705+/-272.012 χ^2/NDF: 91.6/73

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1873.915+/-0.334 χ^2/NDF:305842.3/19

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1910.572+/-0.344 χ^2/NDF:125904.3/18

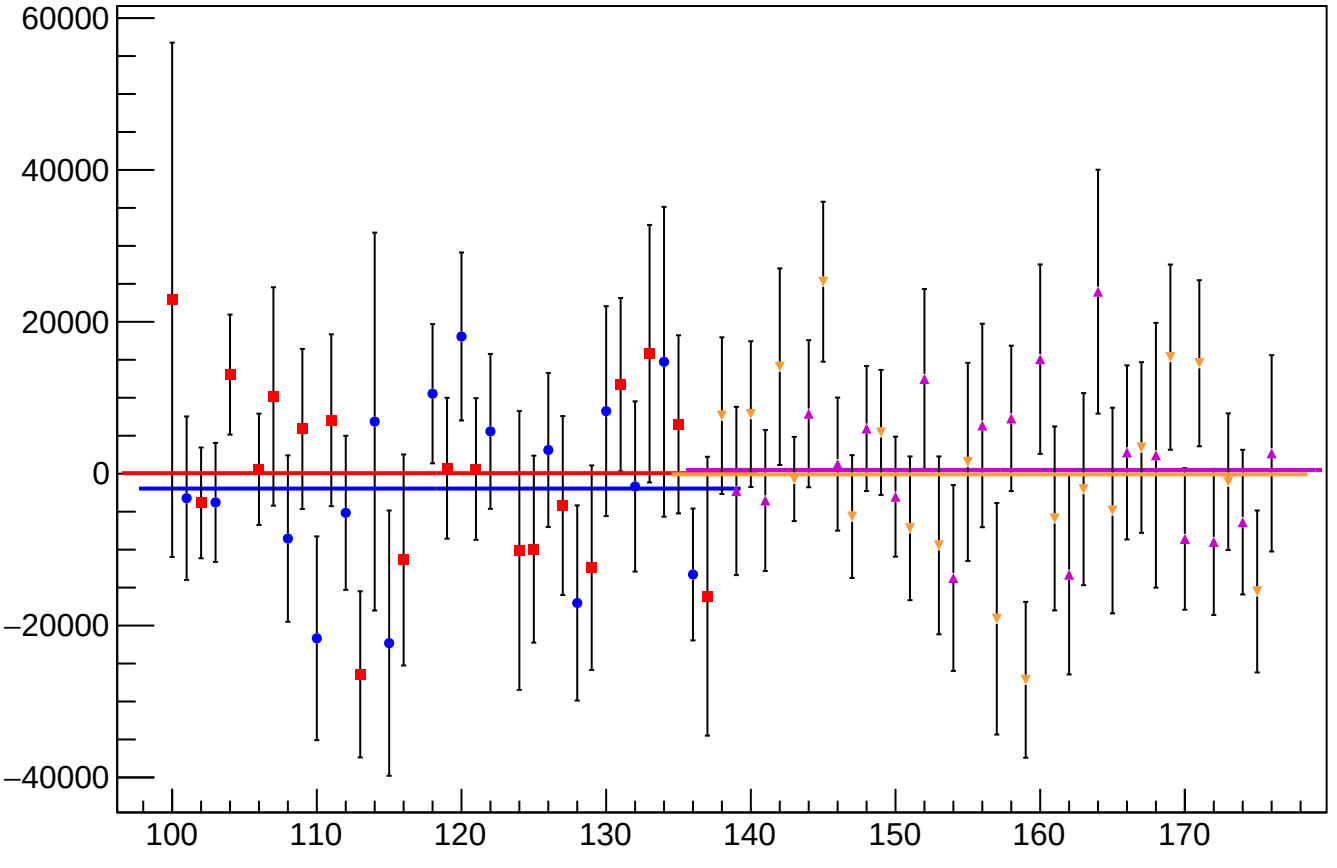
Left: 1891.747+/-0.240 χ^2/NDF: 437592.6/38

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1844.523+/-0.275 χ^2/NDF:594870.0/34

Out: 1810.711+/-0.269 χ^2/NDF:692378.5/38

All: 1827.207+/-0.192 χ^2/NDF: 1294970.3/73



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -82.951+/-2243.853 χ^2/NDF:24.9/19

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 495.451+/-2419.834 χ^2/NDF:11.7/18

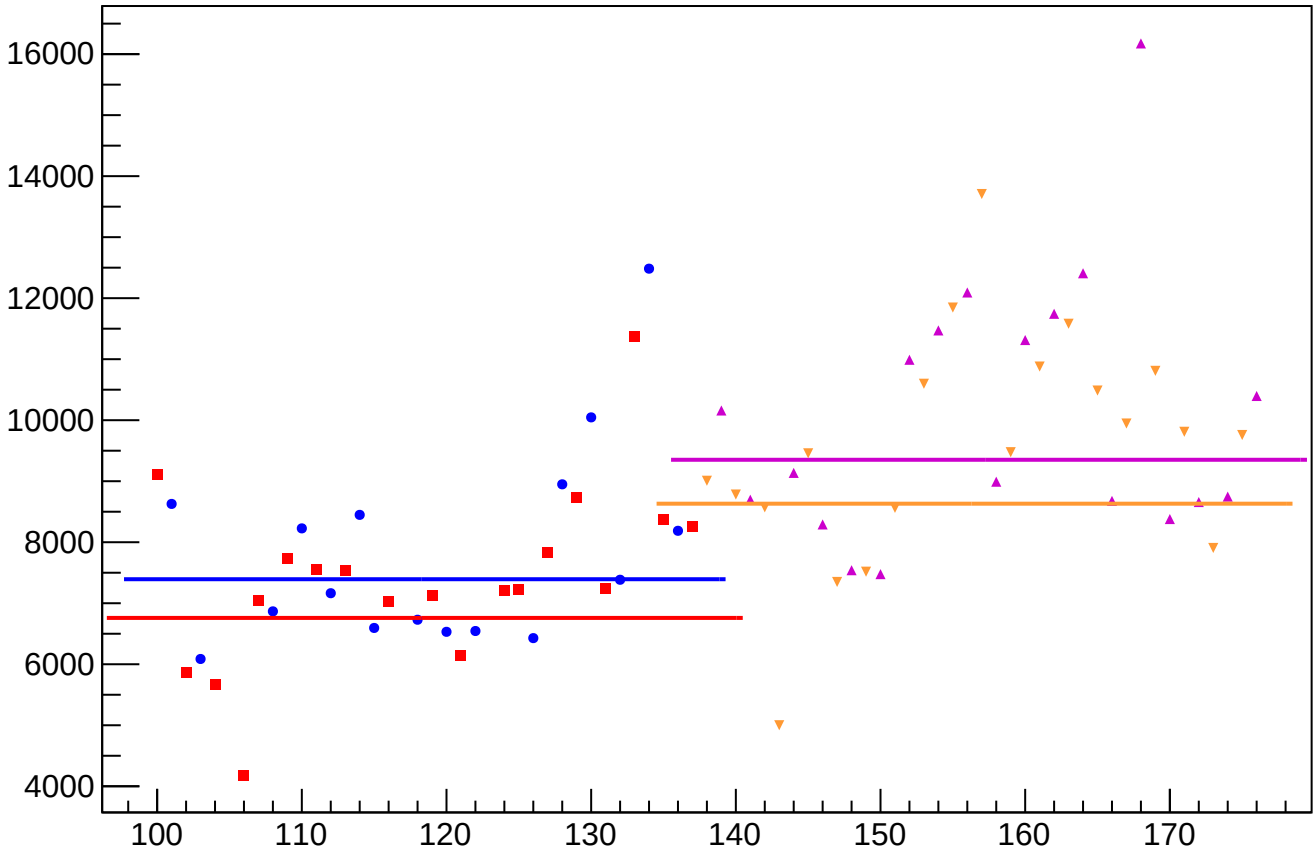
Left: 184.455+/-1645.344 χ^2/NDF: 36.6/38

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -554.495+/-1830.378 χ^2/NDF:26.5/34

Out: -16.409+/-1678.597 χ^2/NDF:41.0/38

All: -262.220+/-1237.132 χ^2/NDF: 67.5/73



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8631.660+/-1.587 χ^2/NDF:1738369.2/19

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9351.392+/-1.711 χ^2/NDF:999639.2/18

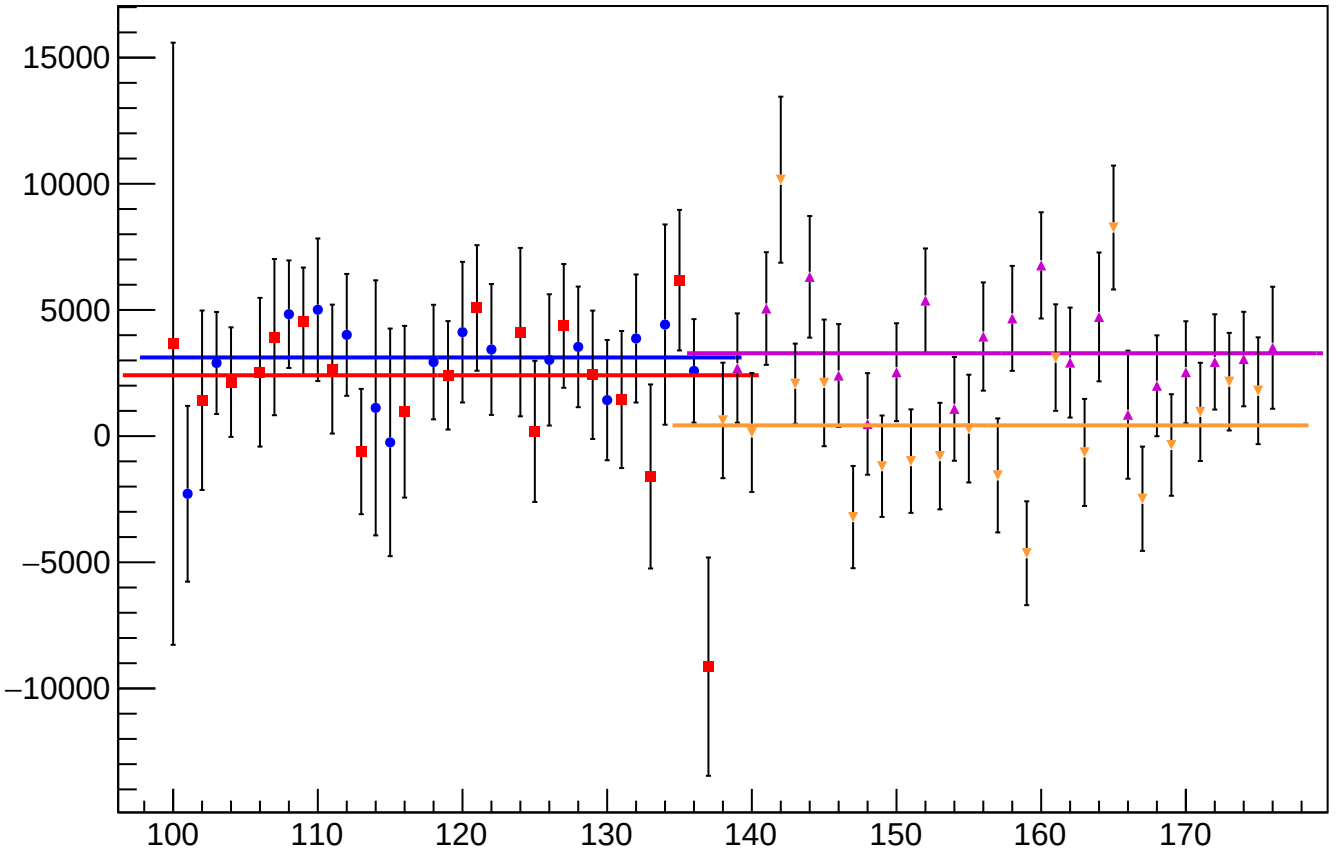
Left: 8964.406+/-1.163 χ^2/NDF: 2833139.9/38

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8513.762+/-1.294 χ^2/NDF:1961575.0/34

Out: 7807.192+/-1.187 χ^2/NDF:2995821.6/38

All: 8129.971+/-0.875 χ^2/NDF: 5119278.4/73



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 426.482+/-472.893 χ^2/NDF:37.3/19

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3284.215+/-485.881 χ^2/NDF:11.9/18

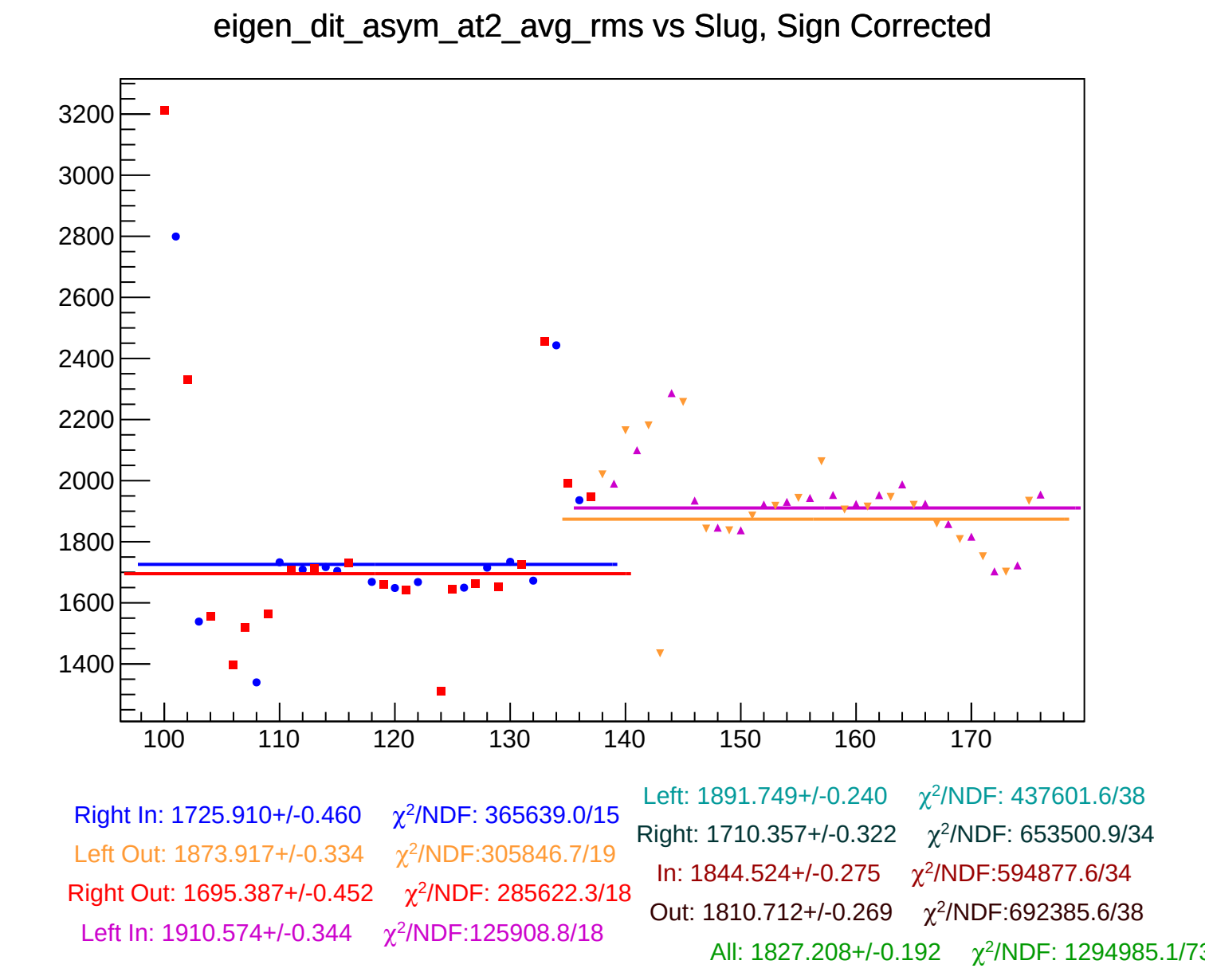
Left: 1816.642+/-338.885 χ^2/NDF: 67.0/38

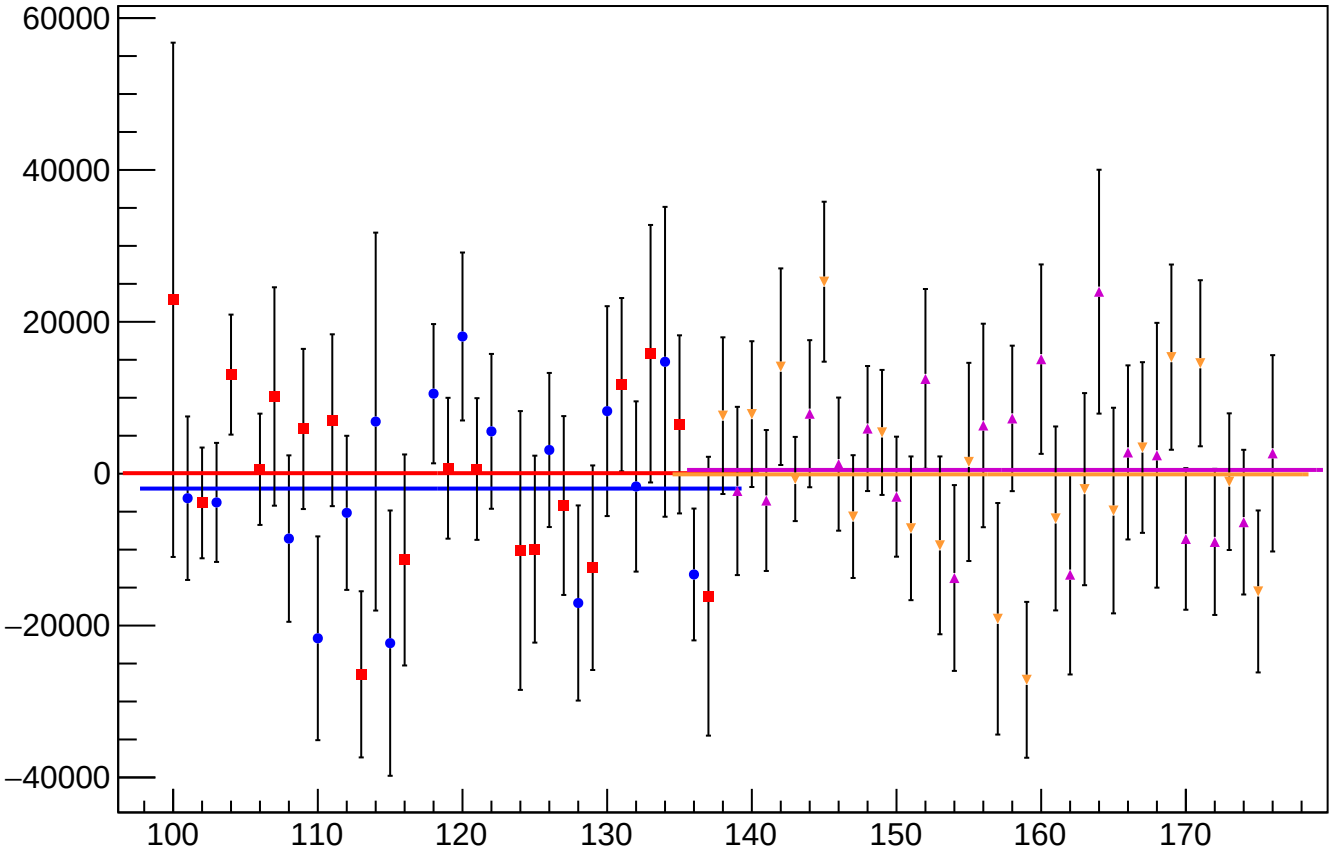
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3224.721+/-389.409 χ^2/NDF:17.2/34

Out: 1129.242+/-380.126 χ^2/NDF:59.6/38

All: 2151.705+/-272.012 χ^2/NDF: 91.6/73


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1873.917+/-0.334 χ²/NDF:305846.7/19
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1910.574+/-0.344 χ²/NDF:125908.8/18
Left: 1891.749+/-0.240 χ²/NDF: 437601.6/38
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1844.524+/-0.275 χ²/NDF:594877.6/34
Out: 1810.712+/-0.269 χ²/NDF:692385.6/38
All: 1827.208+/-0.192 χ²/NDF: 1294985.1/73



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -82.958+/-2243.857 χ^2/NDF:24.9/19

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 495.449+/-2419.838 χ^2/NDF:11.7/18

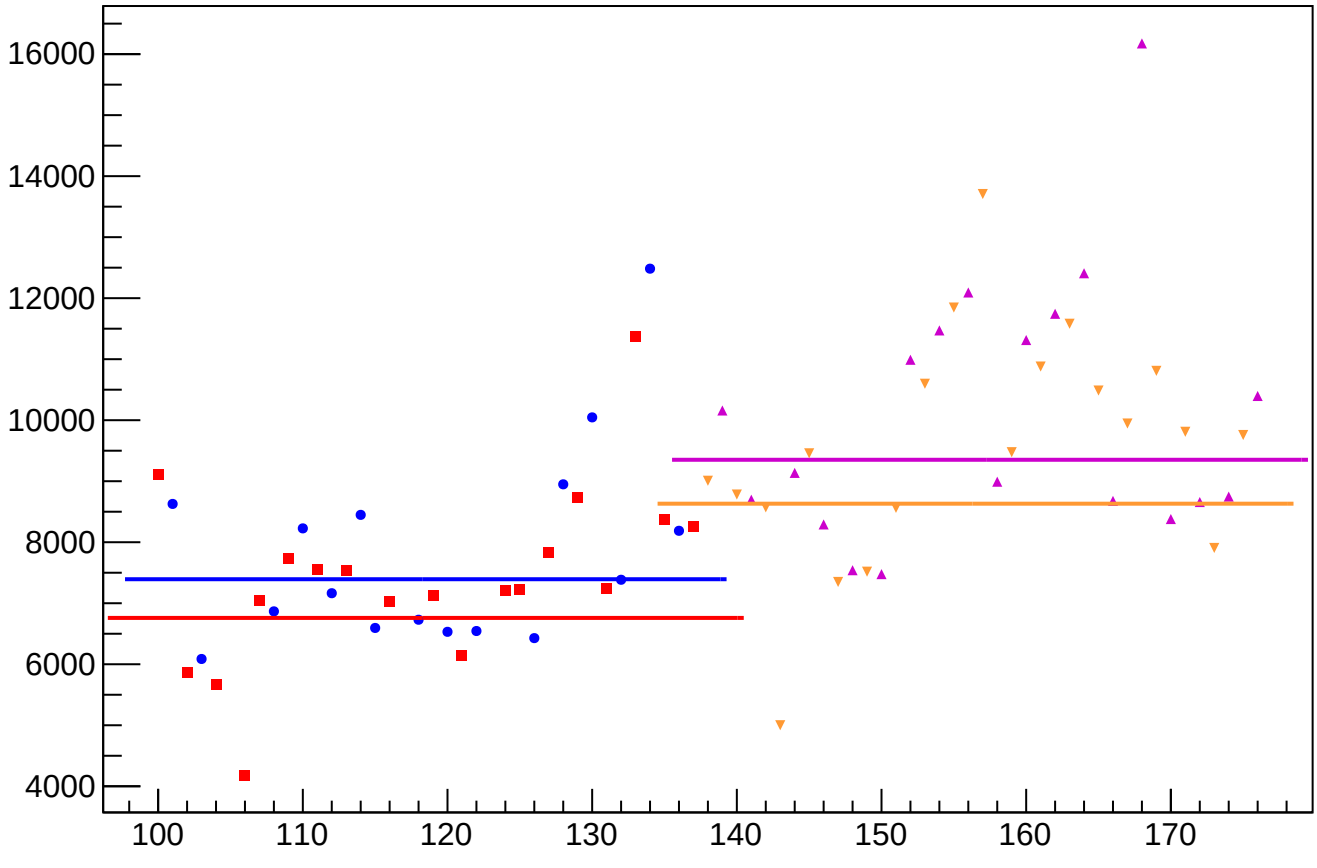
Left: 184.451+/-1645.346 χ^2/NDF: 36.6/38

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -554.491+/-1830.378 χ^2/NDF:26.5/34

Out: -16.409+/-1678.597 χ^2/NDF:41.0/38

All: -262.219+/-1237.132 χ^2/NDF: 67.5/73



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8631.674+/-1.587 χ^2/NDF:1738369.3/19

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9351.406+/-1.711 χ^2/NDF:999641.2/18

Left: 8964.420+/-1.163 χ^2/NDF: 2833141.6/38

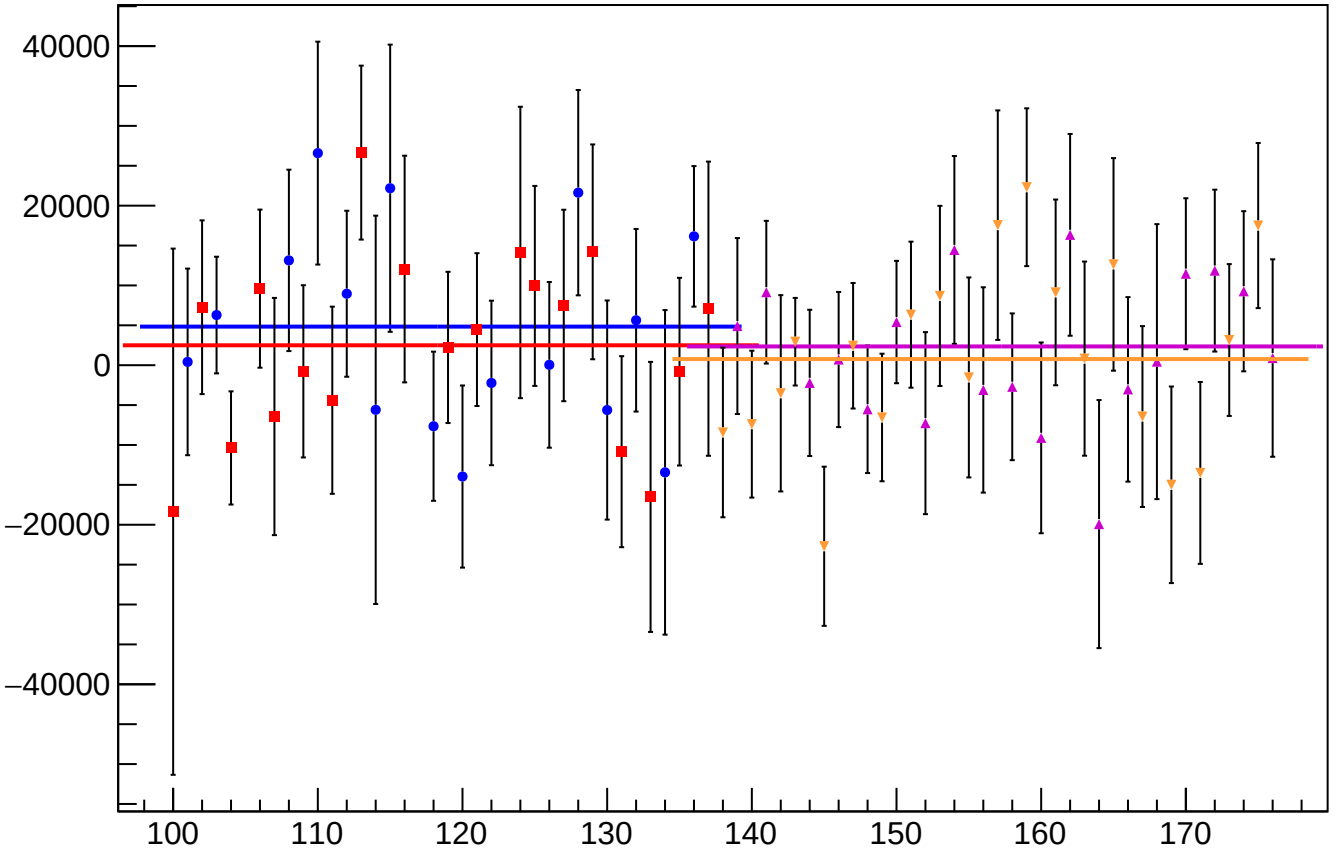
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8513.759+/-1.294 χ^2/NDF:1961597.9/34

Out: 7807.190+/-1.187 χ^2/NDF:2995839.7/38

All: 8129.969+/-0.875 χ^2/NDF: 5119318.9/73

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 767.385+/-2205.008 χ^2/NDF:22.8/19

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2352.565+/-2373.469 χ^2/NDF:11.0/18

Left: 1501.729+/-1615.452 χ^2/NDF: 34.1/38

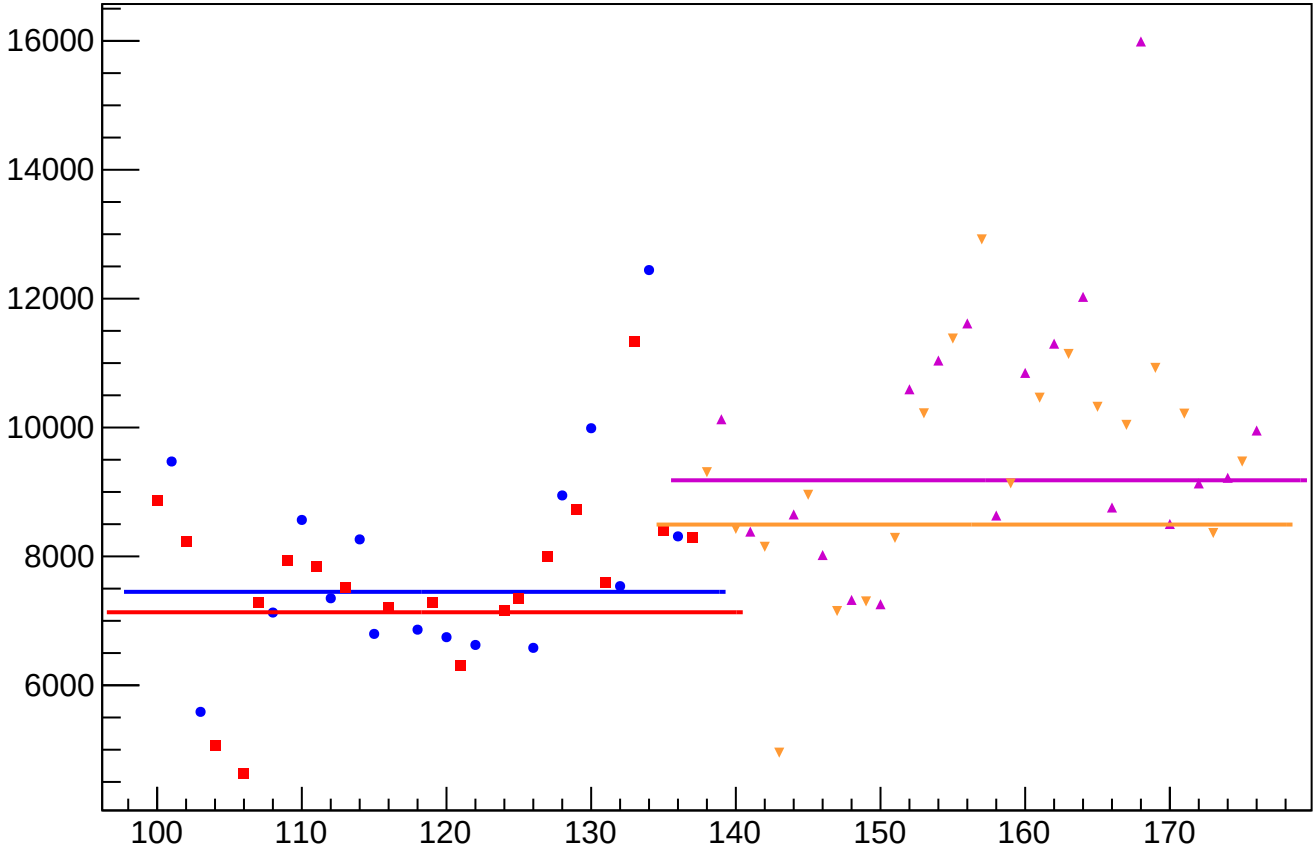
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3379.273+/-1818.270 χ^2/NDF:25.8/34

Out: 1460.320+/-1706.714 χ^2/NDF:38.0/38

All: 2359.128+/-1244.399 χ^2/NDF: 64.4/73

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8494.247+/-1.559 χ^2/NDF:1671633.4/19

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9181.153+/-1.678 χ^2/NDF:962642.3/18

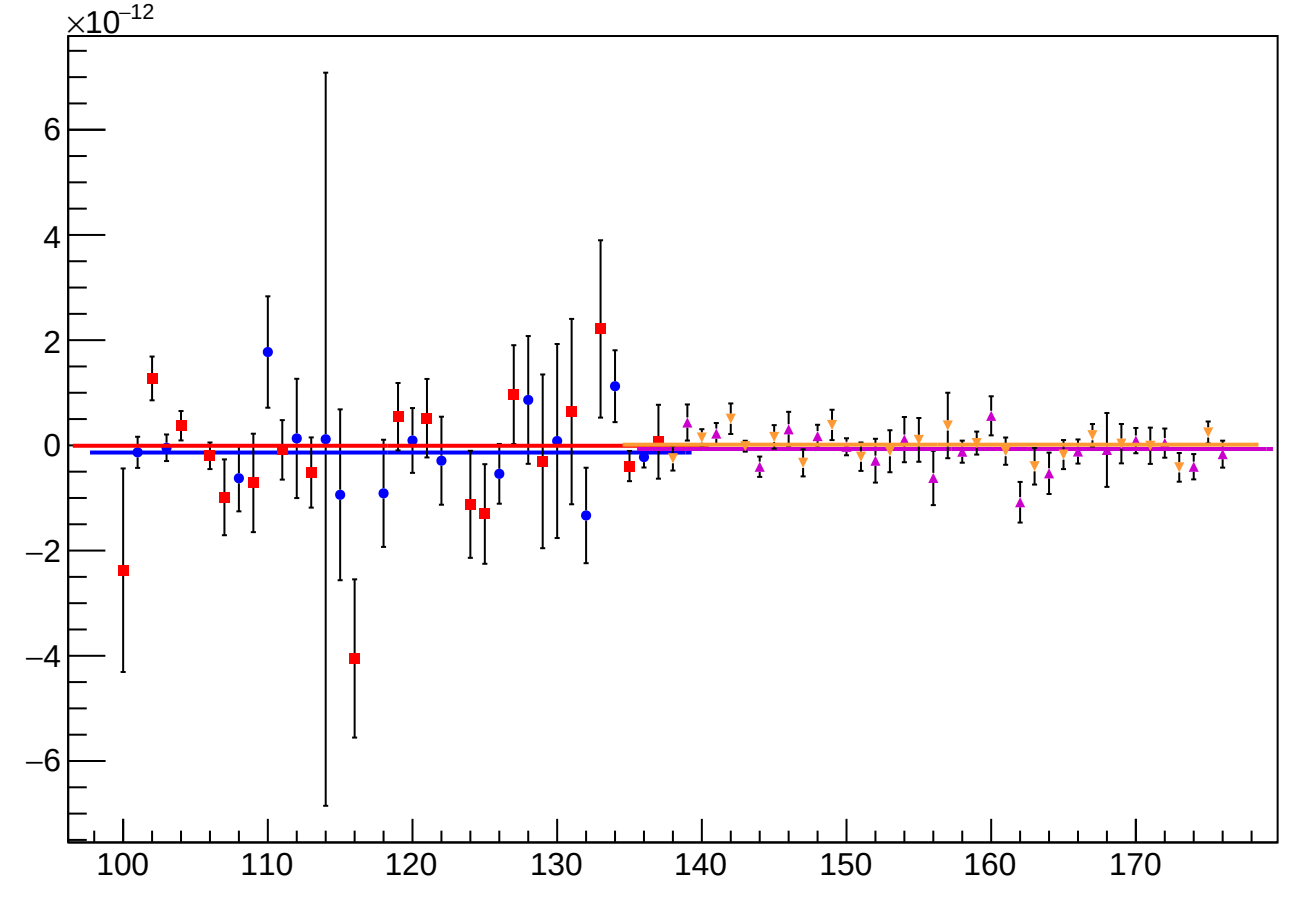
Left: 8812.460+/-1.142 χ^2/NDF: 2724189.3/38

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8465.966+/-1.286 χ^2/NDF:1888633.5/34

Out: 7948.527+/-1.207 χ^2/NDF:2534174.9/38

All: 8190.881+/-0.880 χ^2/NDF: 4508916.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/18

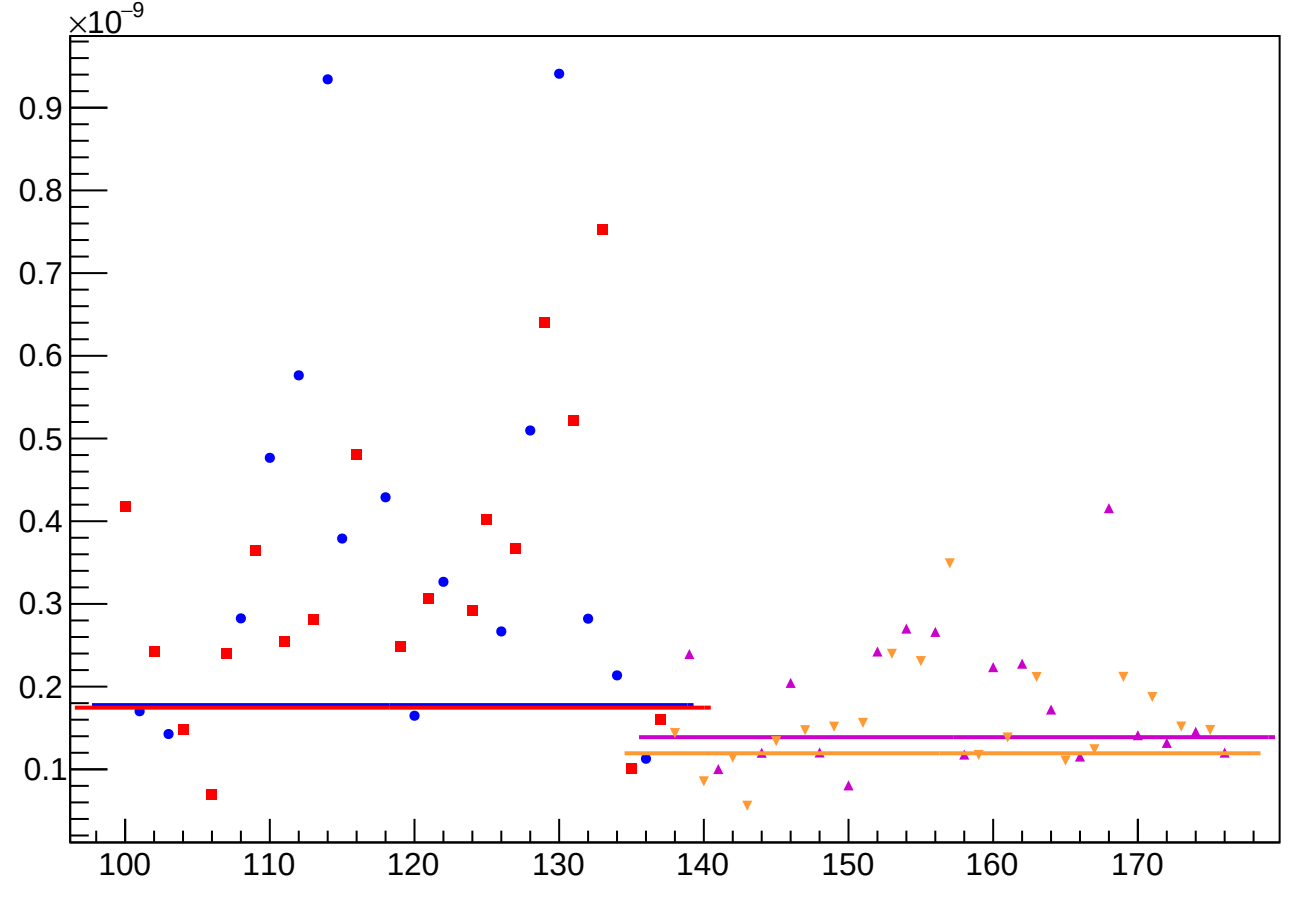
Left: -0.000+/-0.000 χ^2/NDF: 43.1/38

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:37.3/34

Out: 0.000+/-0.000 χ^2/NDF:49.3/38

All: -0.000+/-0.000 χ^2/NDF: 88.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1976531.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1637184.6/18

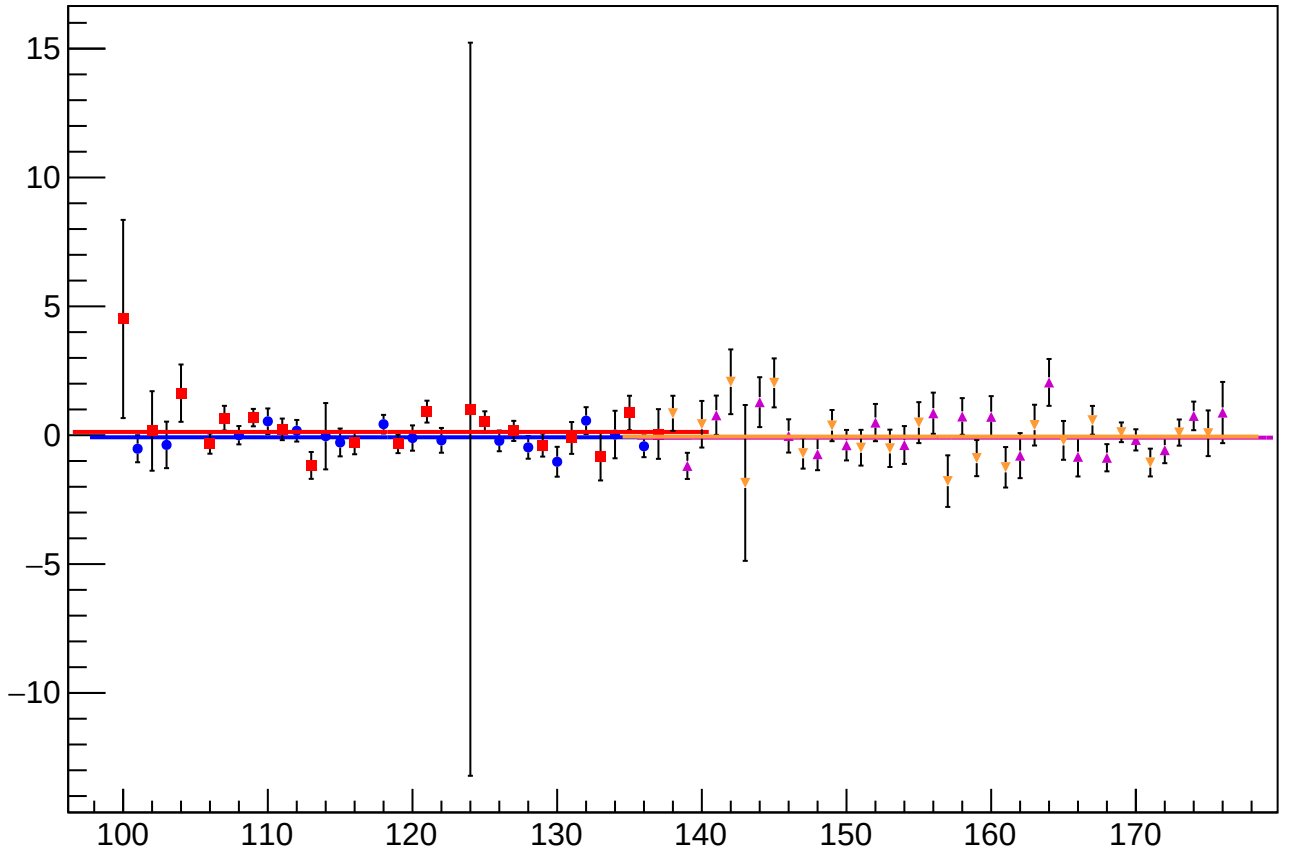
Left: 0.000+/-0.000 χ^2/NDF: 3732124.0/38

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3333808.1/34

Out: 0.000+/-0.000 χ^2/NDF:3959271.7/38

All: 0.000+/-0.000 χ^2/NDF: 7431519.5/73



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

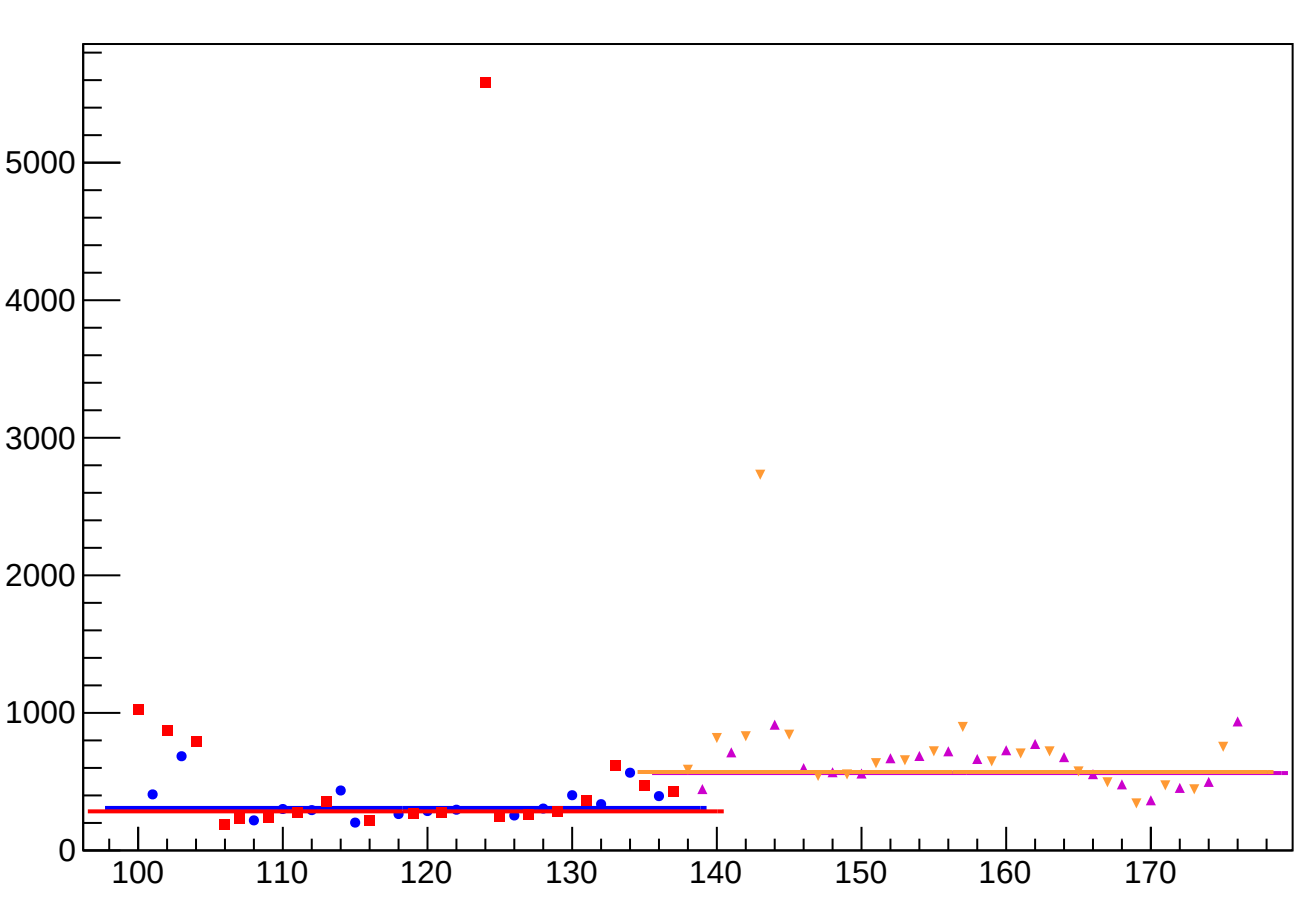
Left: -0.074+/-0.107 χ^2/NDF: 52.3/38

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.011+/-0.066 χ^2/NDF: 90.4/73



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

Left: 566.407+/-0.075 χ^2/NDF: 4678259.0/38

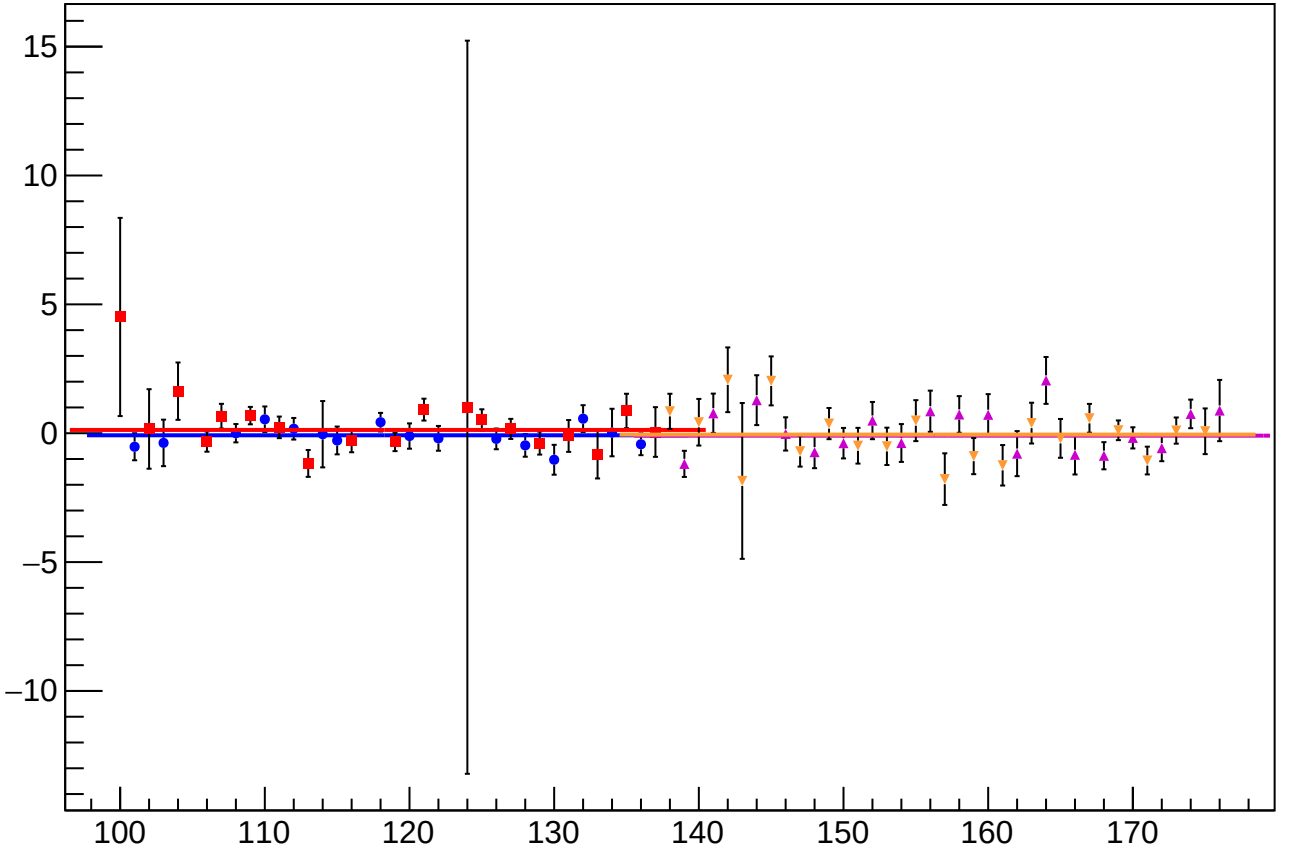
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 410.640+/-0.067 χ^2/NDF:6222063.2/34

Out: 390.107+/-0.066 χ^2/NDF:9226976.6/38

All: 400.201+/-0.047 χ^2/NDF: 15497190.8/73

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

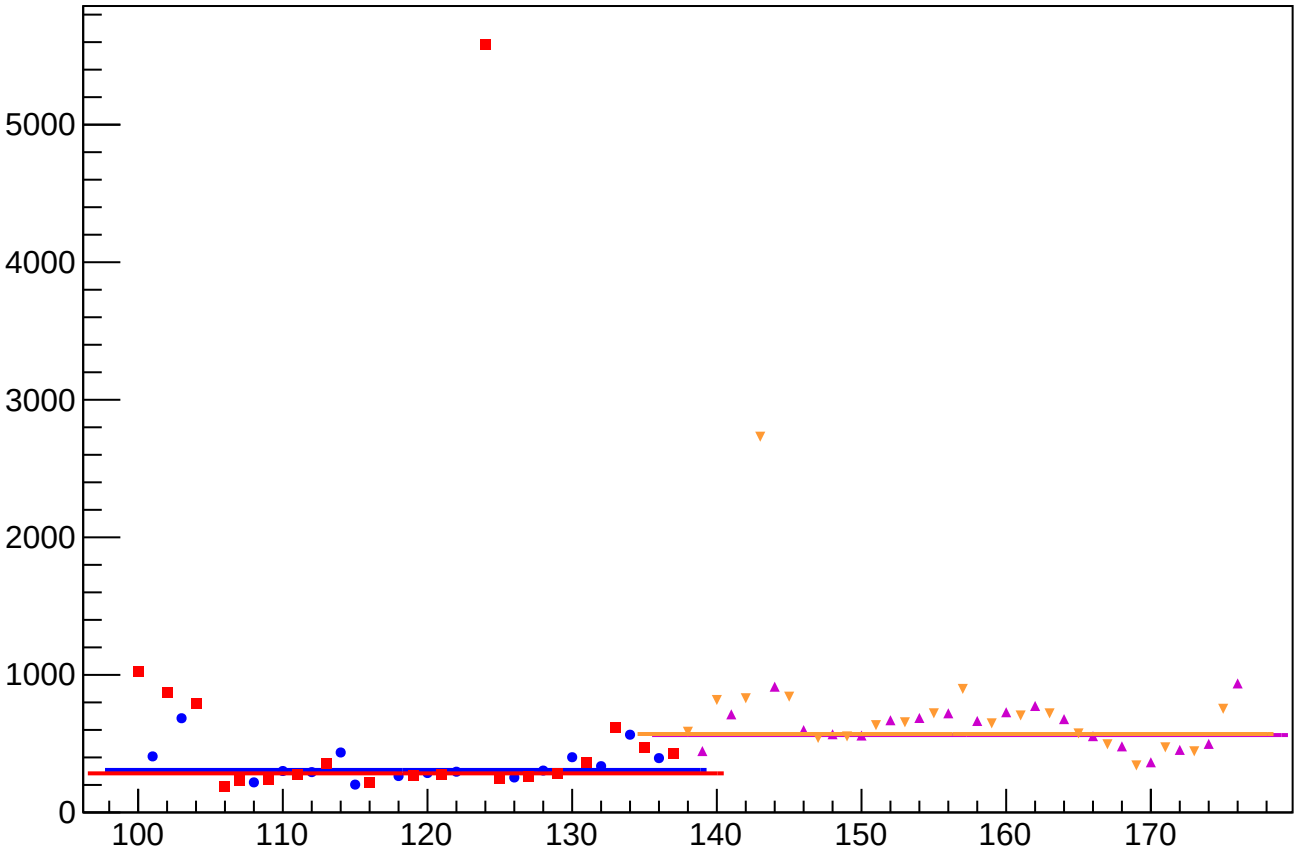
Left: -0.074+/-0.107 χ^2/NDF: 52.3/38

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.011+/-0.066 χ^2/NDF: 90.4/73



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935336.4/19

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

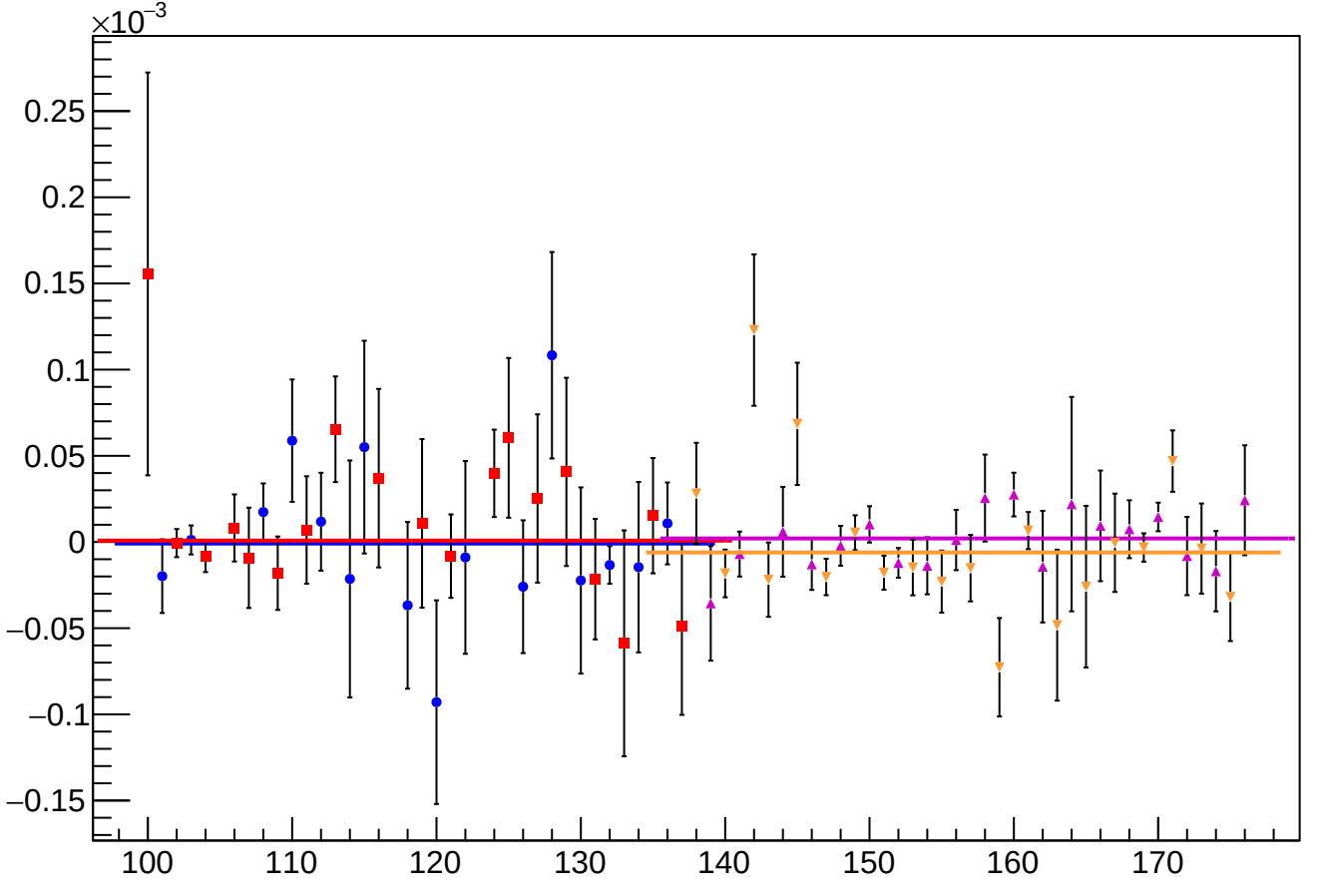
Left: 566.407+/-0.075 χ^2/NDF: 4678259.0/38

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 410.640+/-0.067 χ^2/NDF:6222063.2/34

Out: 390.107+/-0.066 χ^2/NDF:9226976.6/38

All: 400.201+/-0.047 χ^2/NDF: 15497190.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

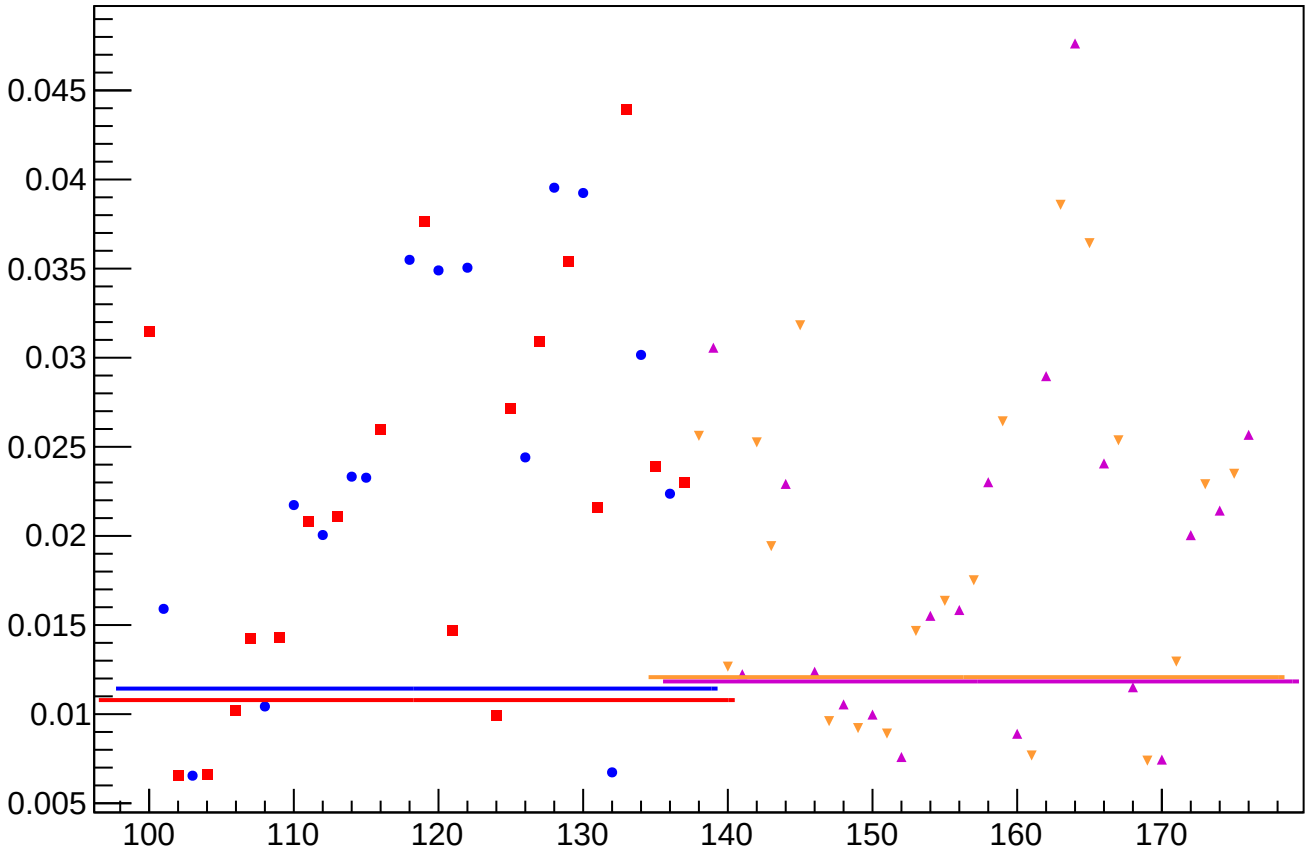
Left: -0.000+/-0.000 χ^2/NDF: 58.5/38

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:57.0/38

All: -0.000+/-0.000 χ^2/NDF: 89.4/73



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6193558.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5326412.5/18

Left: 0.012+/-0.000 χ^2/NDF: 11524710.9/38

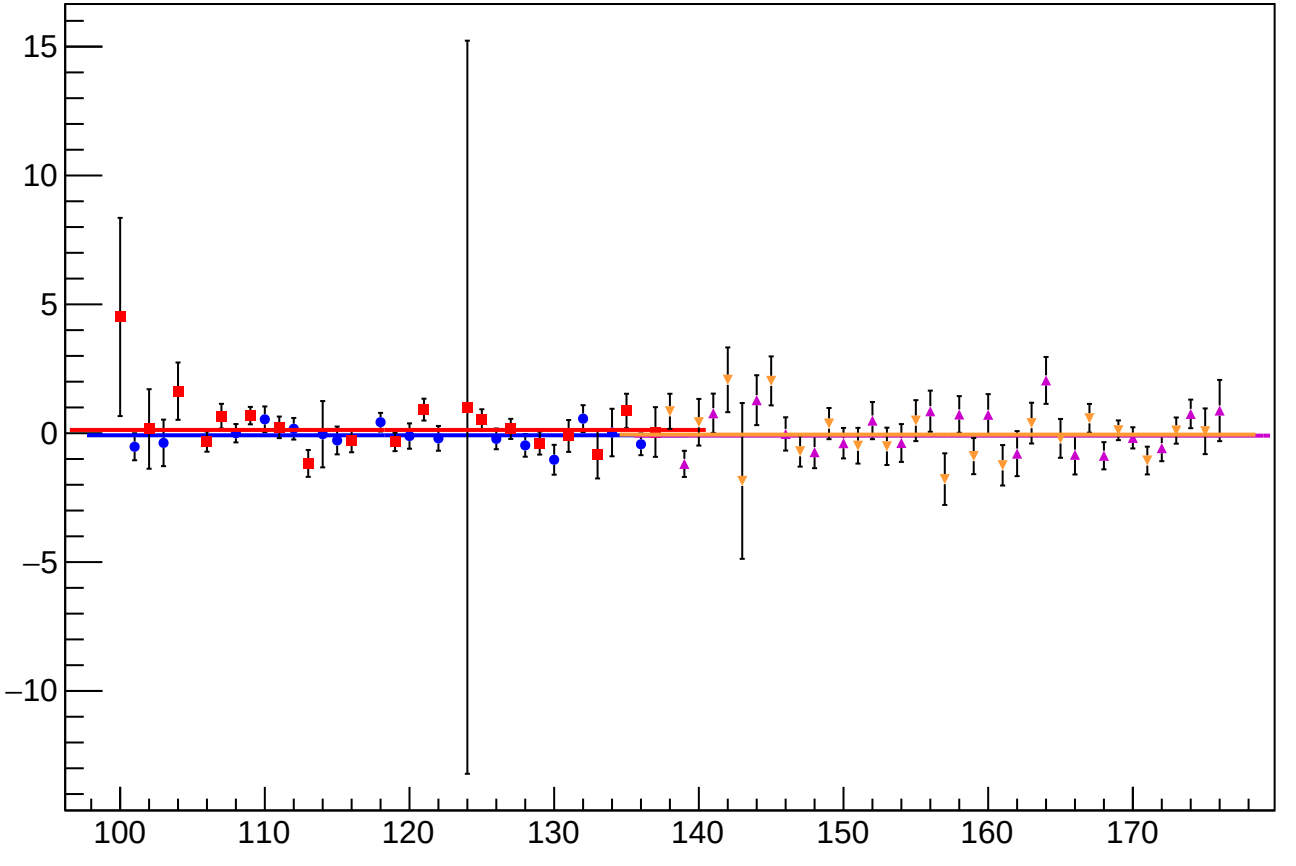
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10034288.8/34

Out: 0.012+/-0.000 χ^2/NDF:10759882.1/38

All: 0.012+/-0.000 χ^2/NDF: 20794978.6/73

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

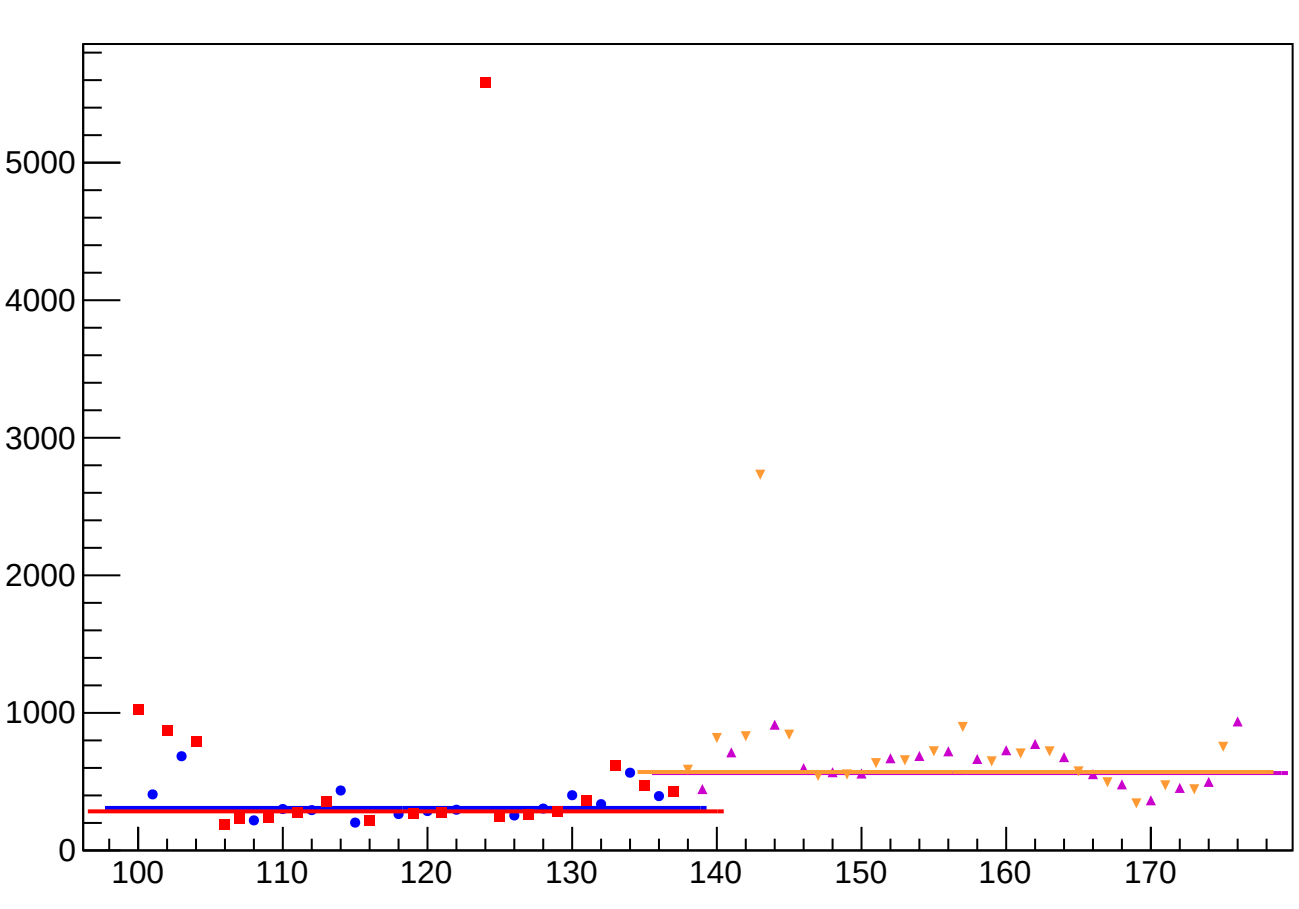
Left: -0.074+/-0.107 χ^2/NDF: 52.3/38

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.011+/-0.066 χ^2/NDF: 90.4/73



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

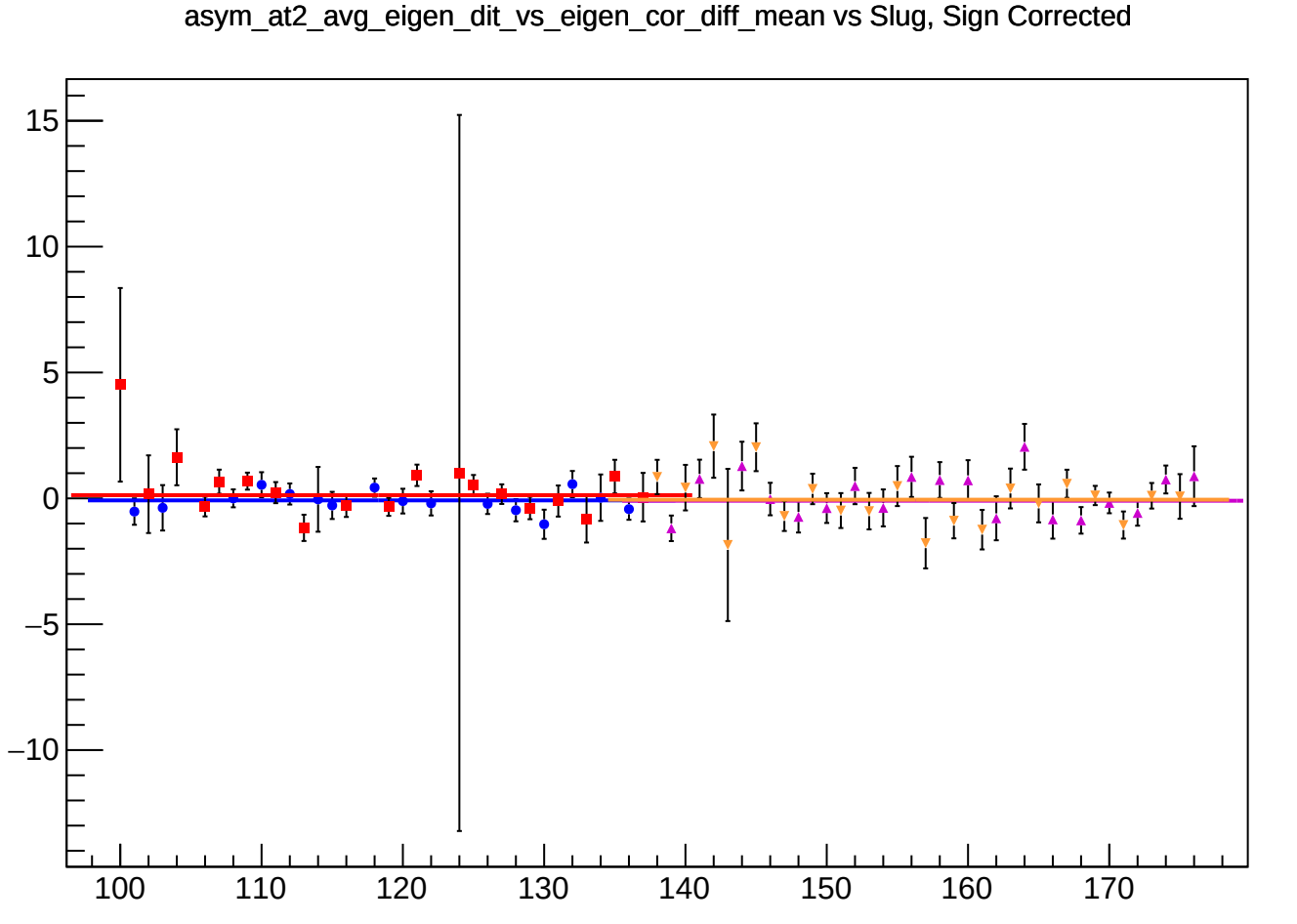
Left: 566.408+/-0.075 χ^2/NDF: 4678502.1/38

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 410.639+/-0.067 χ^2/NDF:6222201.6/34

Out: 390.105+/-0.066 χ^2/NDF:9227120.2/38

All: 400.200+/-0.047 χ^2/NDF: 15497475.6/73



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.053+/-0.153 χ^2/NDF:25.1/19

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

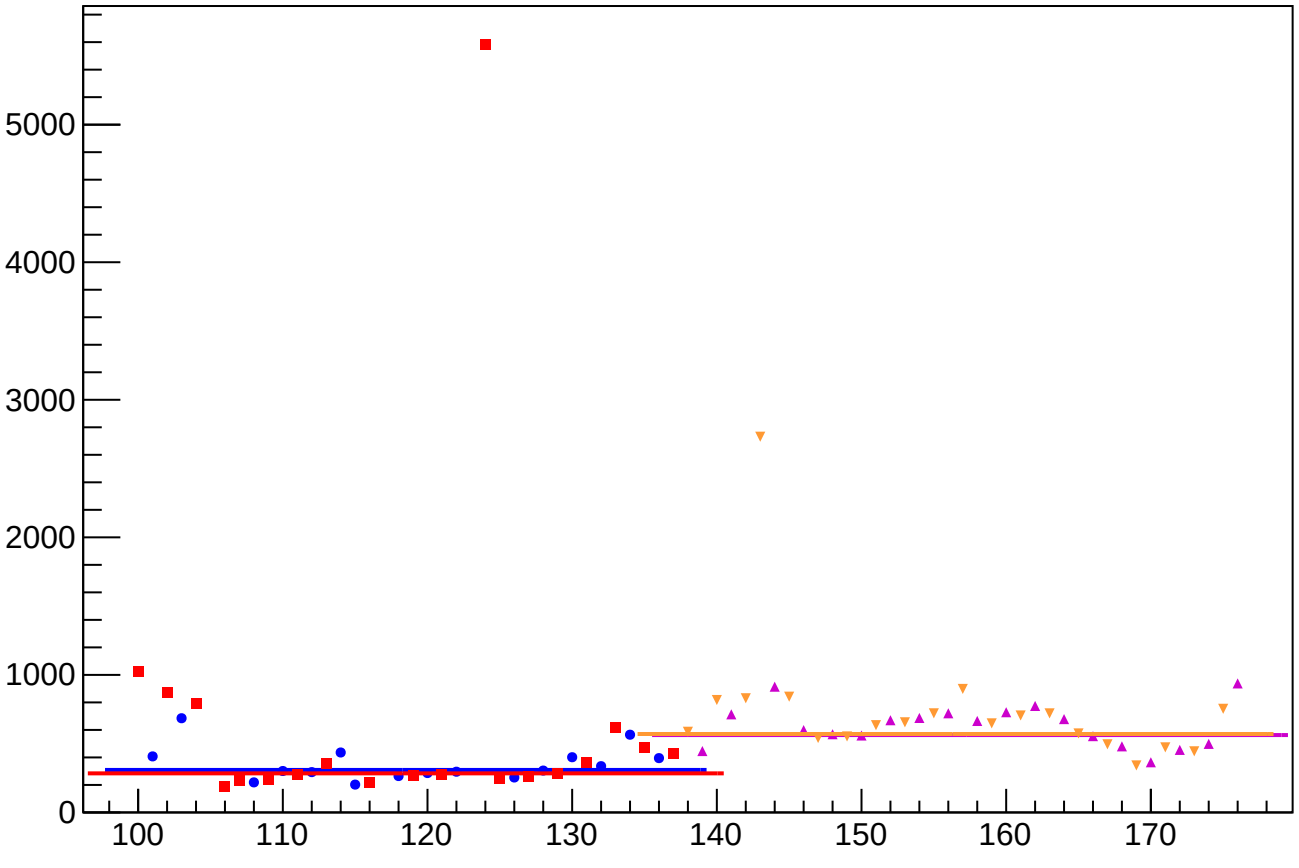
Left: -0.074+/-0.107 χ^2/NDF: 52.3/38

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.061+/-0.093 χ^2/NDF:51.3/38

All: -0.011+/-0.066 χ^2/NDF: 90.4/73



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 570.357+/-0.108 χ^2/NDF:2935484.9/19

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

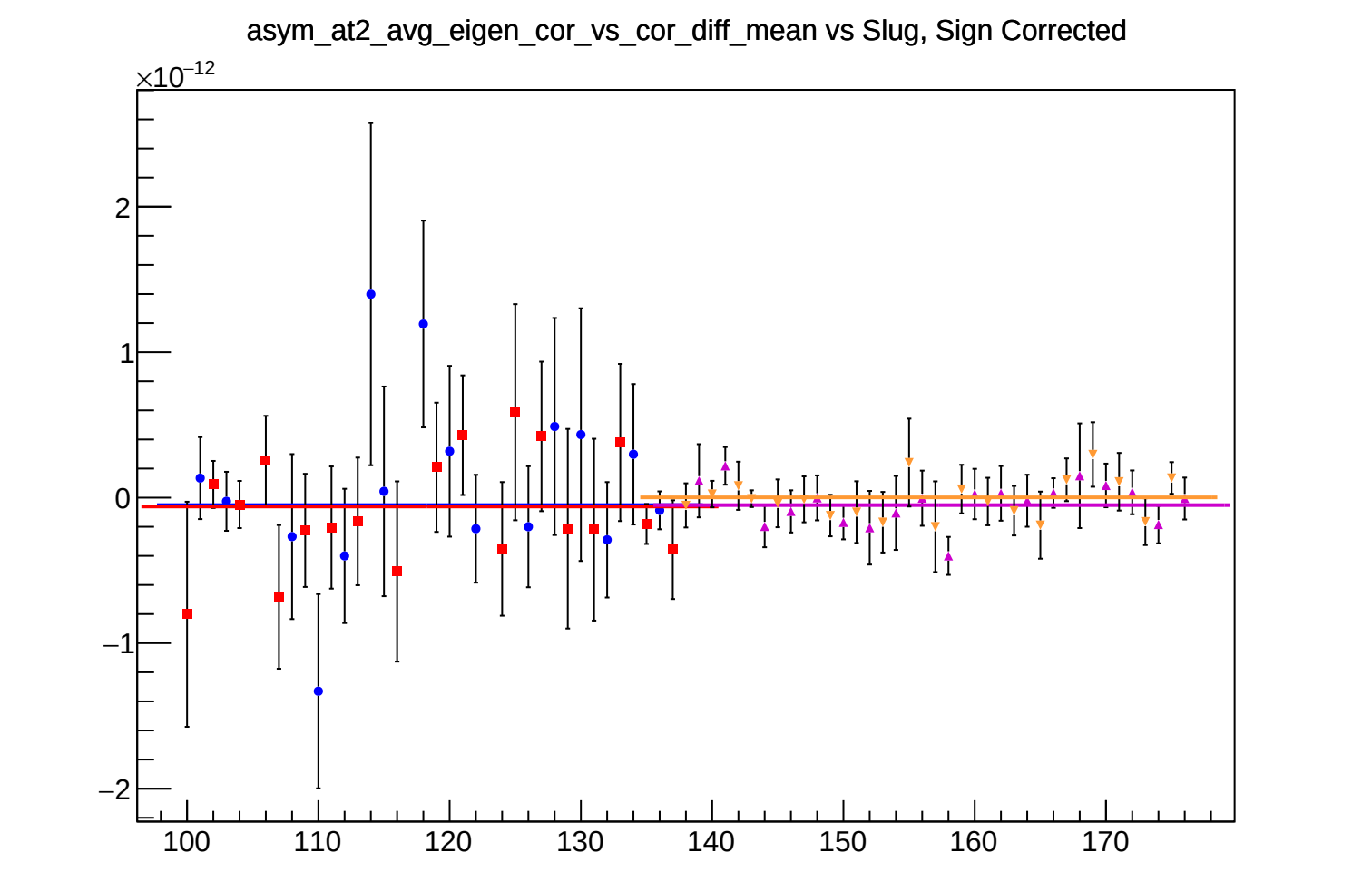
Left: 566.408+/-0.075 χ^2/NDF: 4678502.1/38

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 410.639+/-0.067 χ^2/NDF:6222201.6/34

Out: 390.105+/-0.066 χ^2/NDF:9227120.2/38

All: 400.200+/-0.047 χ^2/NDF: 15497475.6/73



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/18

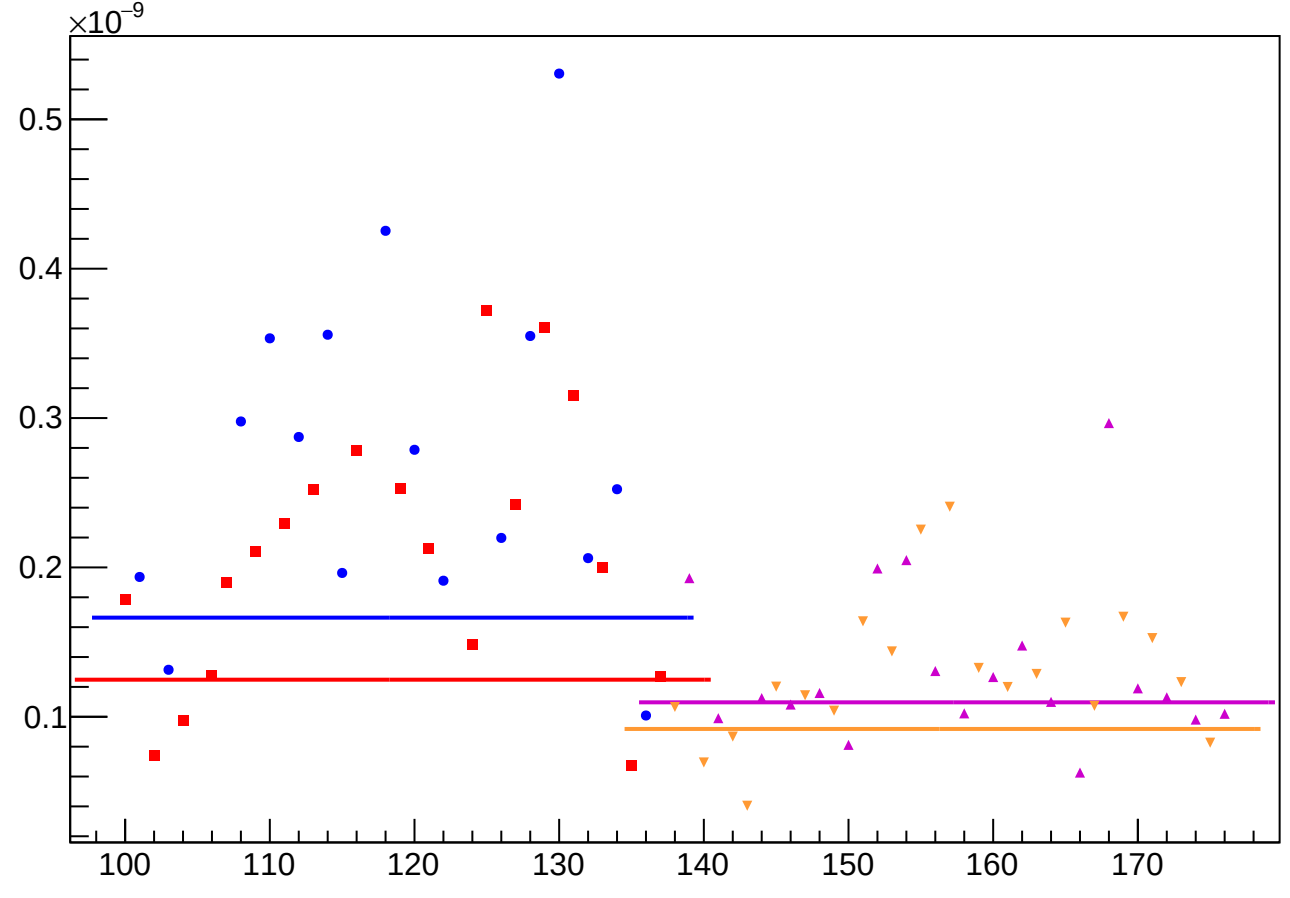
Left: -0.000+/-0.000 χ^2/NDF: 29.3/38

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.4/34

Out: -0.000+/-0.000 χ^2/NDF:21.8/38

All: -0.000+/-0.000 χ^2/NDF: 53.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4041357.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2016543.6/18

Left: 0.000+/-0.000 χ^2/NDF: 6344432.7/38

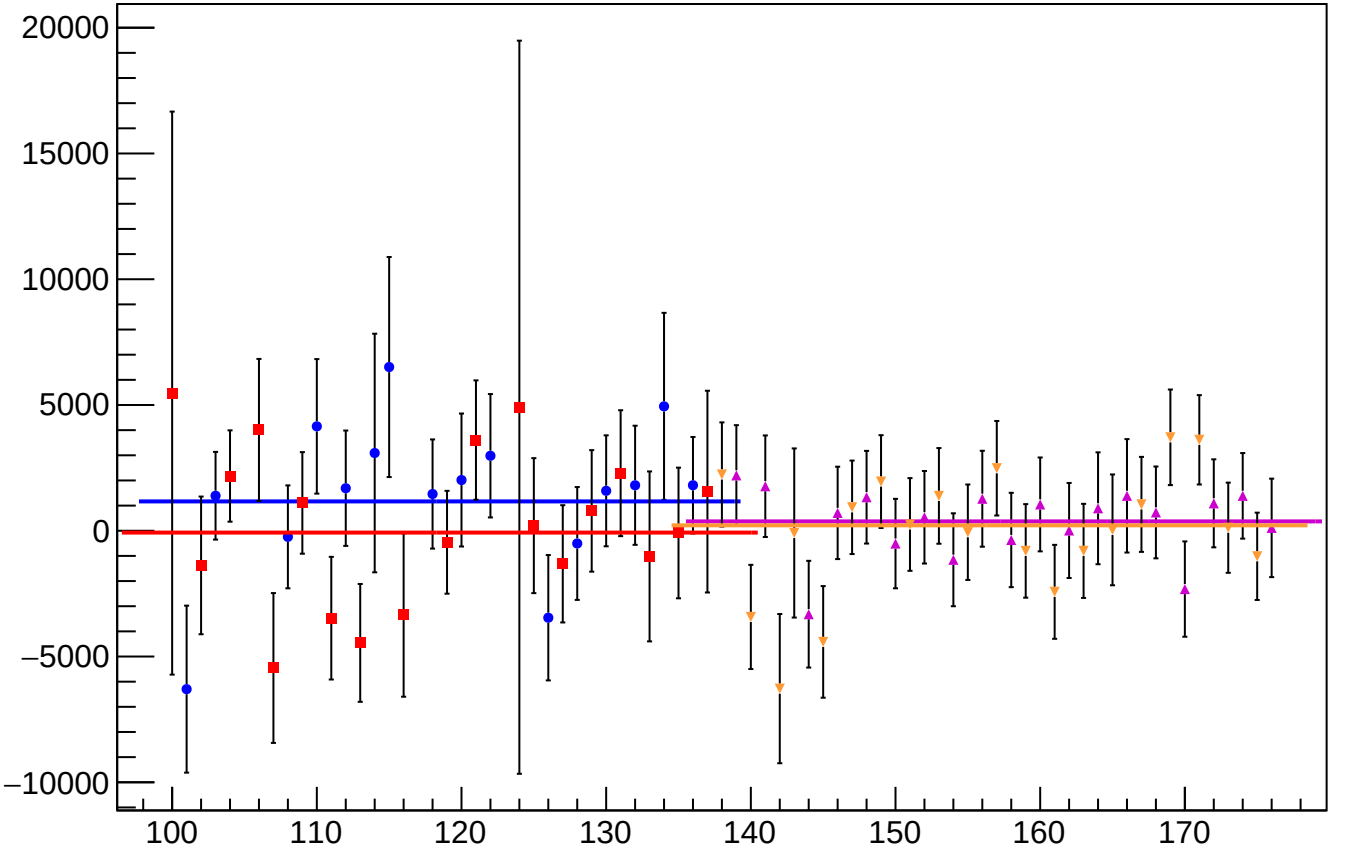
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4767546.7/34

Out: 0.000+/-0.000 χ^2/NDF:6621533.9/38

All: 0.000+/-0.000 χ^2/NDF: 11854227.7/73

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.477+/-439.717 χ^2/NDF:26.5/19

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 372.540+/-436.383 χ^2/NDF:9.0/18

Left: 294.606+/-309.741 χ^2/NDF: 35.5/38

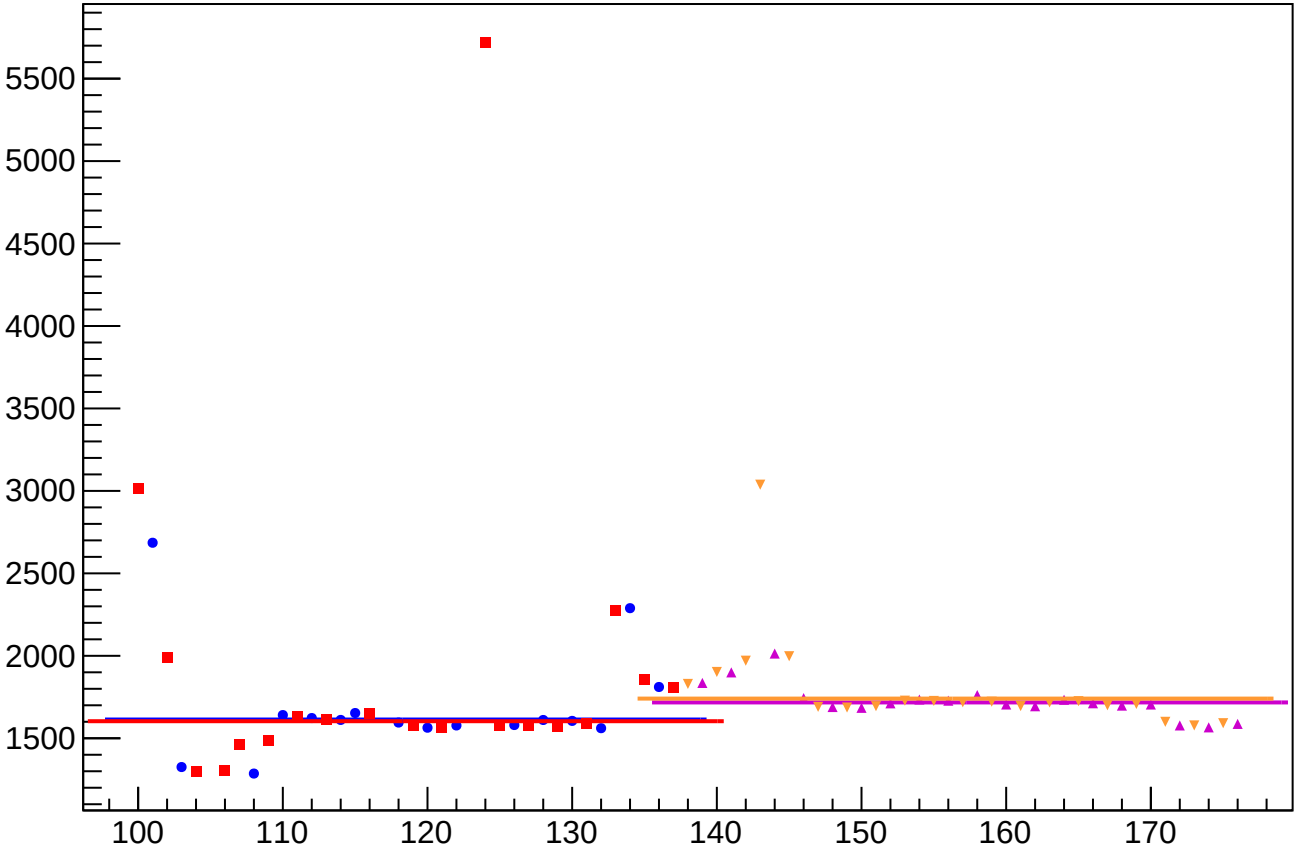
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 641.921+/-354.752 χ^2/NDF:24.5/34

Out: 115.694+/-355.360 χ^2/NDF:44.9/38

All: 379.258+/-251.062 χ^2/NDF: 70.5/73

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.7/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

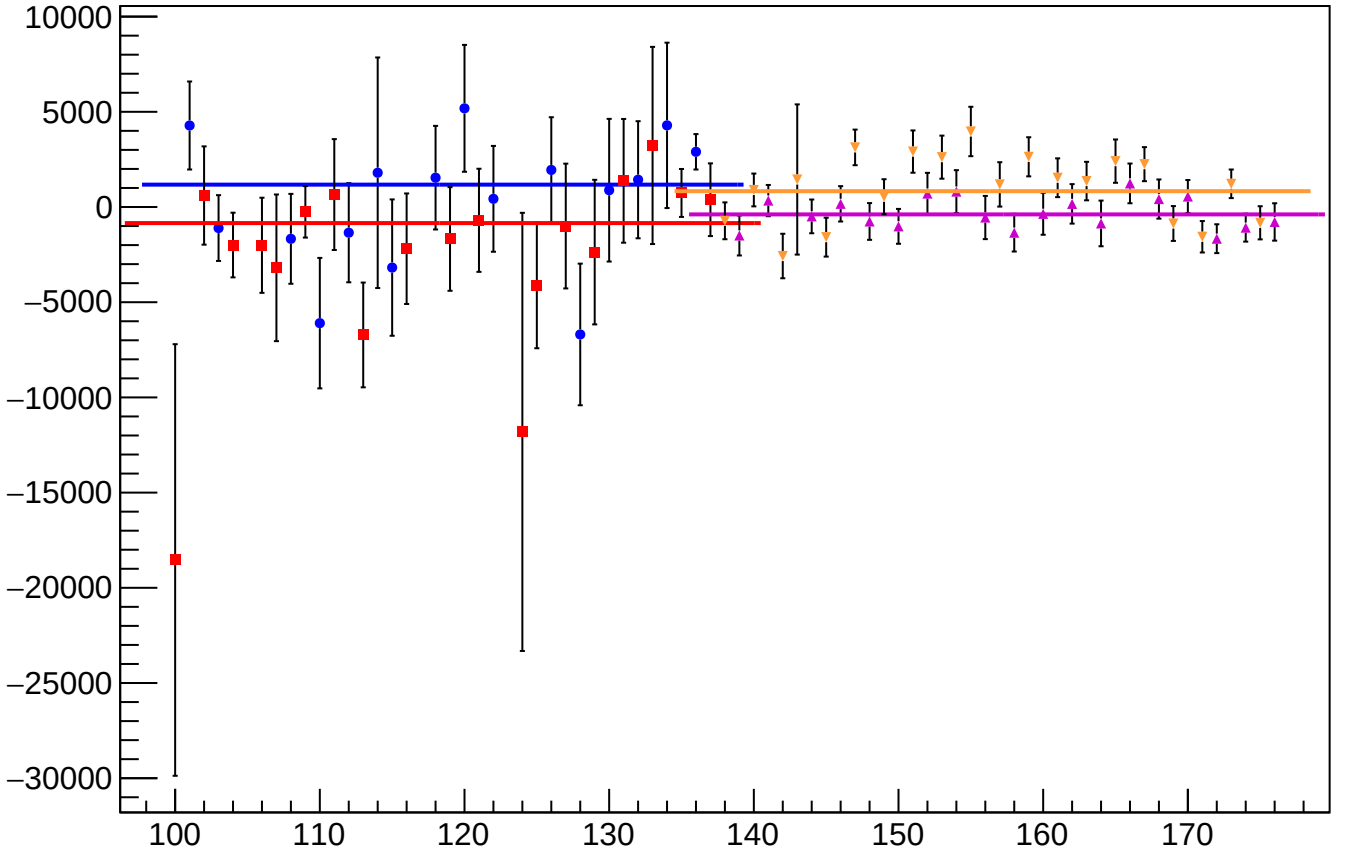
Left: 1728.867+/-0.219 χ^2/NDF: 510593.8/38

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1682.154+/-0.251 χ^2/NDF:546343.5/34

Out: 1693.041+/-0.251 χ^2/NDF:897637.8/38

All: 1687.588+/-0.178 χ^2/NDF: 1444921.5/73



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 831.762+/-223.062 χ^2/NDF:58.9/19

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -388.113+/-219.273 χ^2/NDF:14.5/18

Left: 211.376+/-156.372 χ^2/NDF: 88.6/38

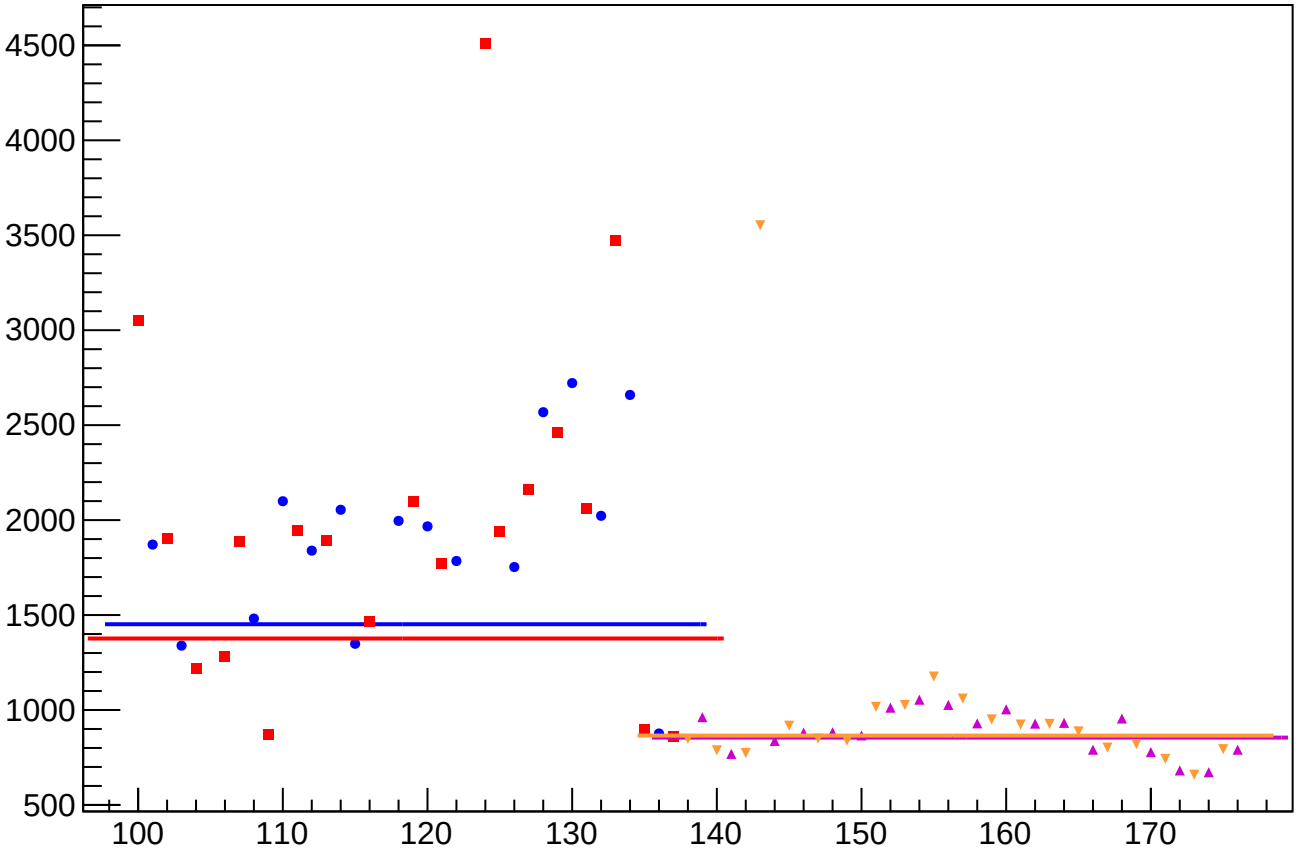
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -192.026+/-205.063 χ^2/NDF:42.9/34

Out: 600.488+/-207.097 χ^2/NDF:80.9/38

All: 200.321+/-145.715 χ^2/NDF: 131.2/73

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 865.270+/-0.158 χ^2/NDF:1464288.6/19

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 854.584+/-0.155 χ^2/NDF:542461.8/18

Left: 859.836+/-0.111 χ^2/NDF: 2009084.3/38

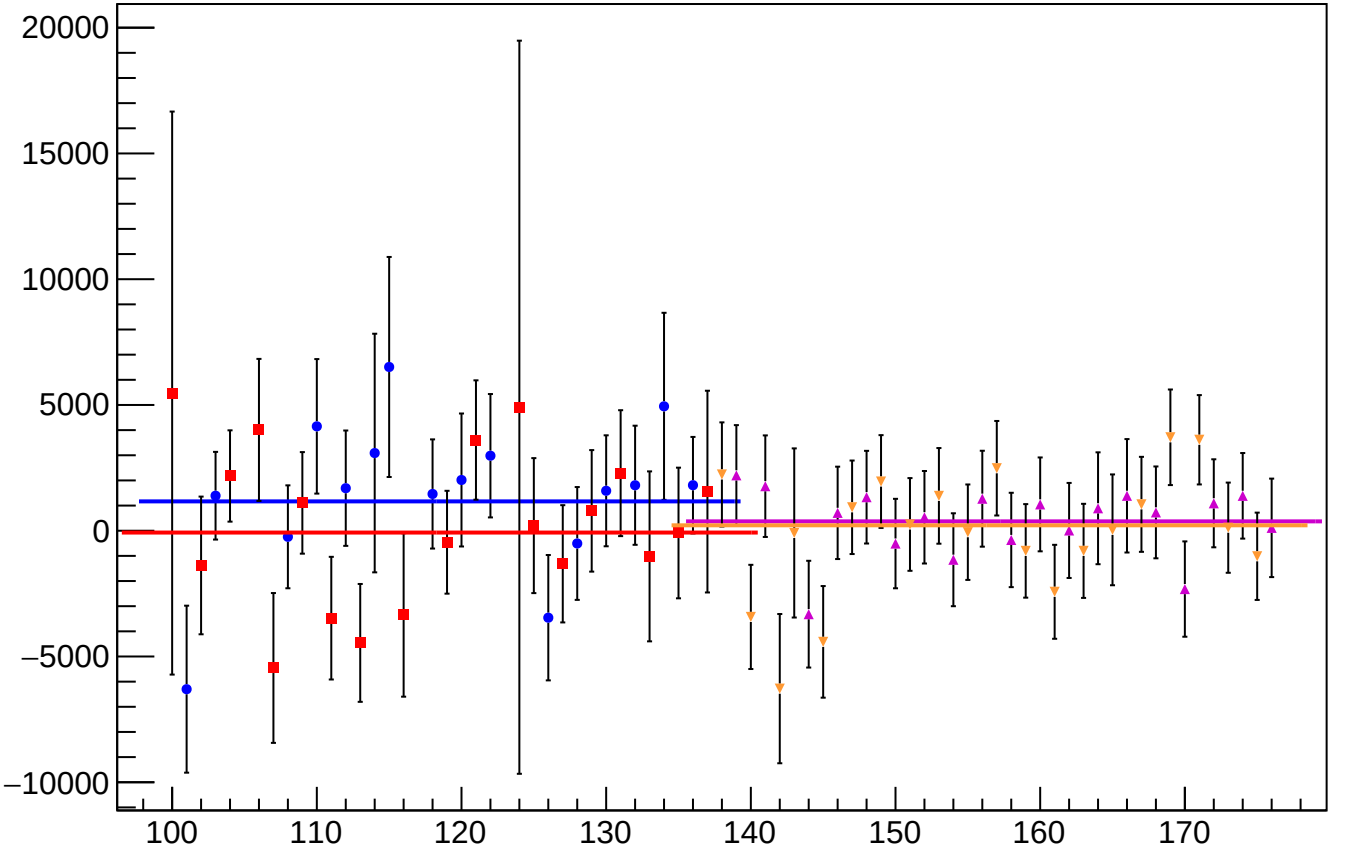
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 929.459+/-0.145 χ^2/NDF:4192825.2/34

Out: 935.827+/-0.146 χ^2/NDF:5046158.9/38

All: 932.611+/-0.103 χ^2/NDF: 9239939.1/73

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 215.379+/-439.717 χ^2/NDF:26.5/19

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 372.451+/-436.383 χ^2/NDF:9.0/18

Left: 294.513+/-309.741 χ^2/NDF: 35.5/38

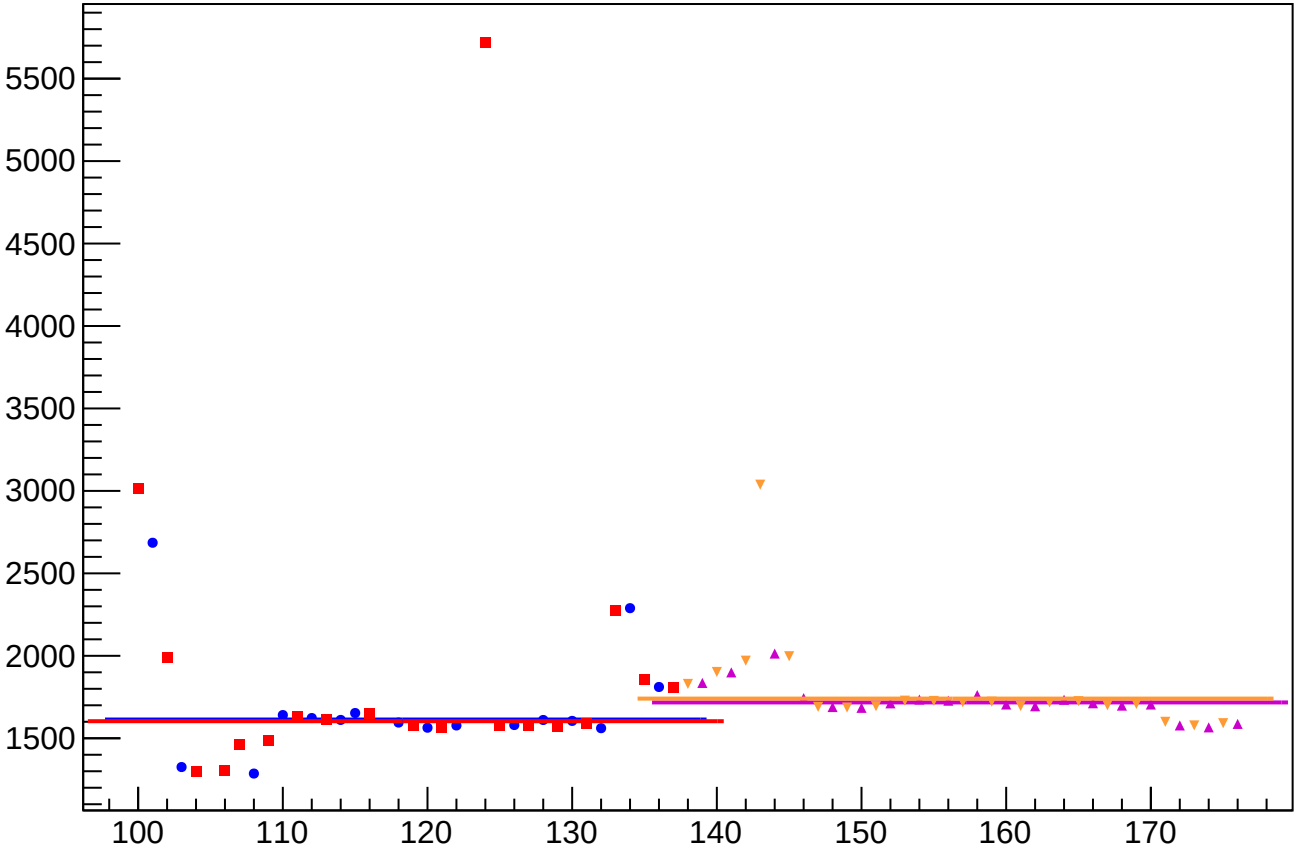
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 641.831+/-354.752 χ^2/NDF:24.5/34

Out: 115.519+/-355.360 χ^2/NDF:44.9/38

All: 379.126+/-251.062 χ^2/NDF: 70.5/73

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

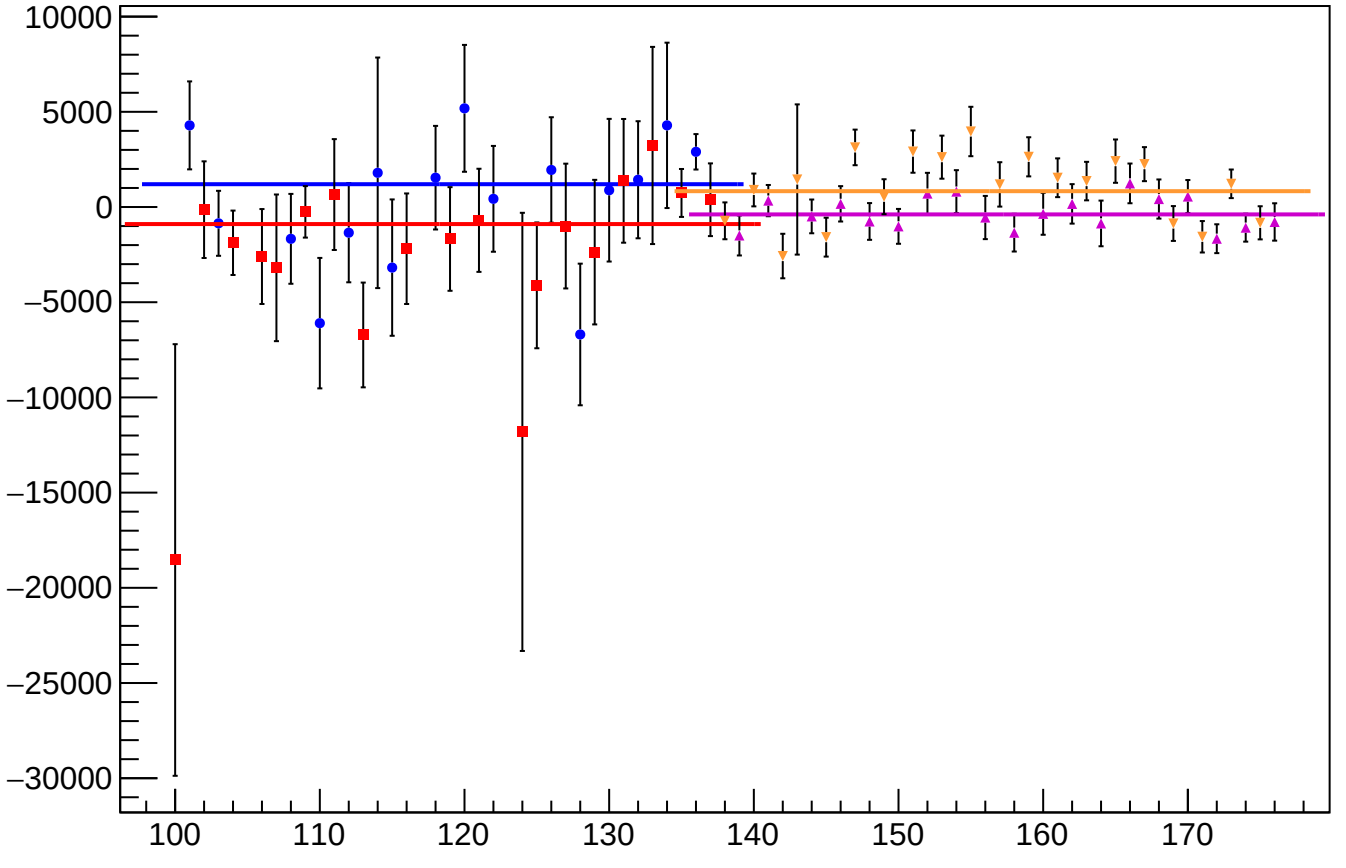
Left: 1728.867+/-0.219 χ^2/NDF: 510593.8/38

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.154+/-0.251 χ^2/NDF:546343.9/34

Out: 1693.041+/-0.251 χ^2/NDF:897638.0/38

All: 1687.588+/-0.178 χ^2/NDF: 1444922.0/73



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -388.095+/-219.273 χ^2/NDF:14.5/18

Left: 211.405+/-156.372 χ^2/NDF: 88.6/38

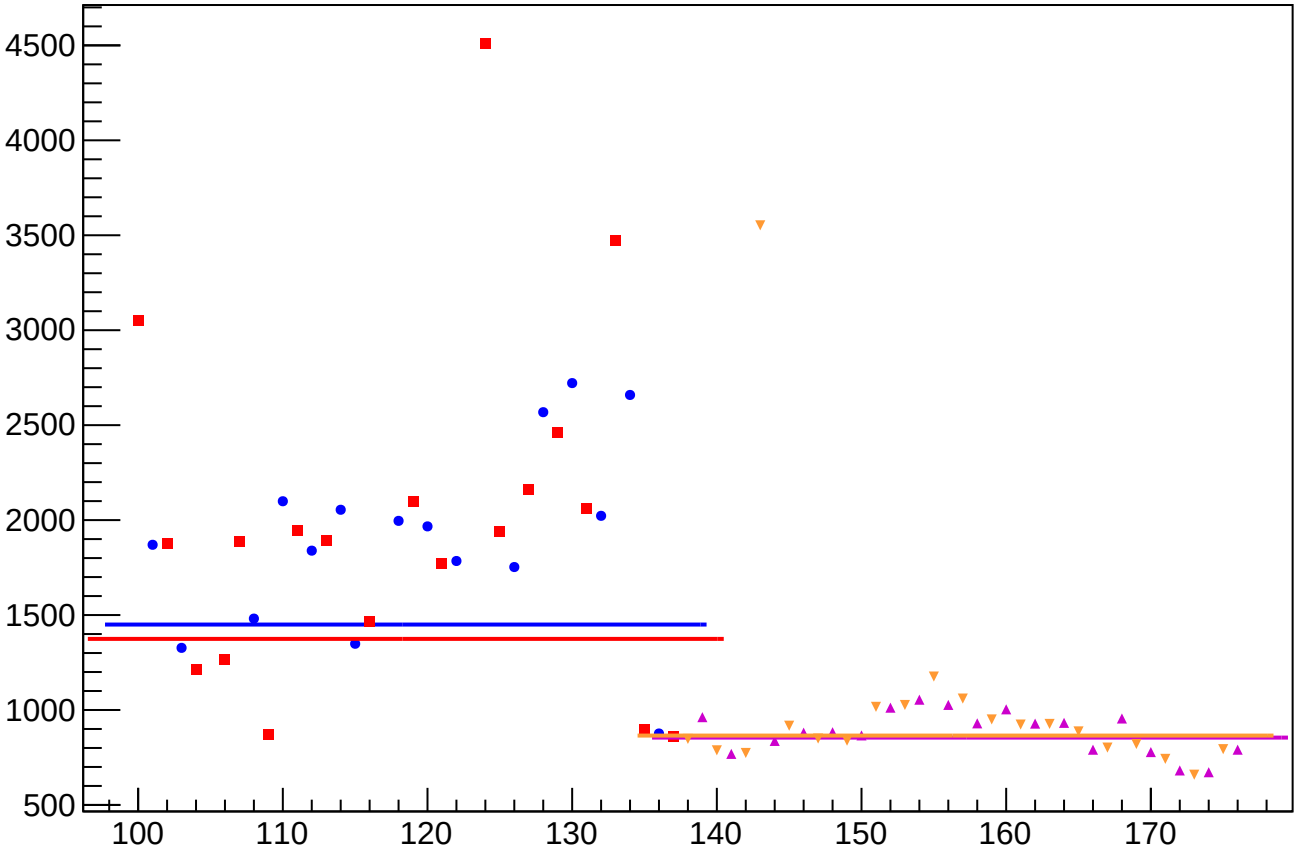
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -188.649+/-205.026 χ^2/NDF:42.8/34

Out: 592.837+/-207.059 χ^2/NDF:81.4/38

All: 198.240+/-145.689 χ^2/NDF: 131.3/73

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

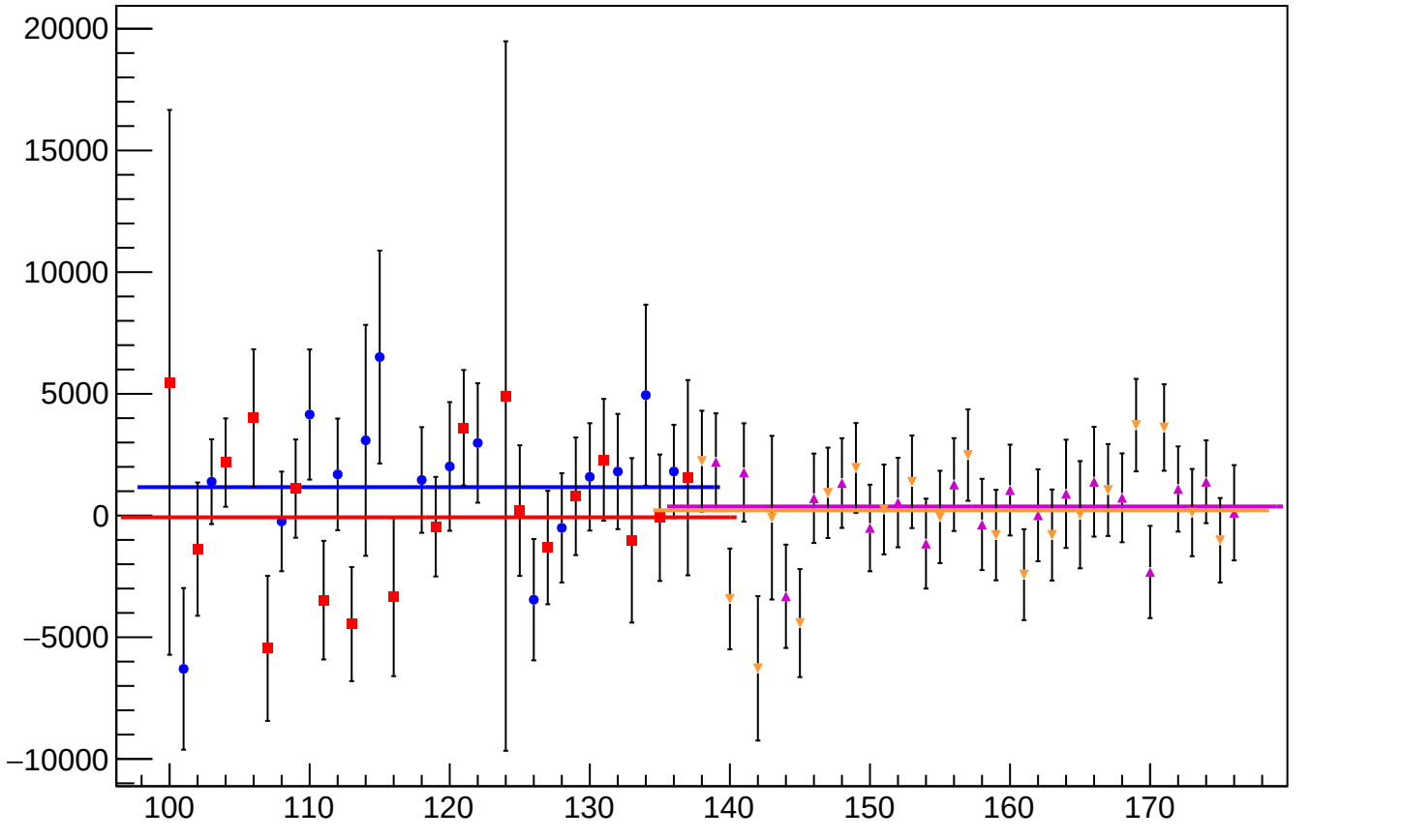
Left: 859.841+/-0.111 χ^2/NDF: 2009030.5/38

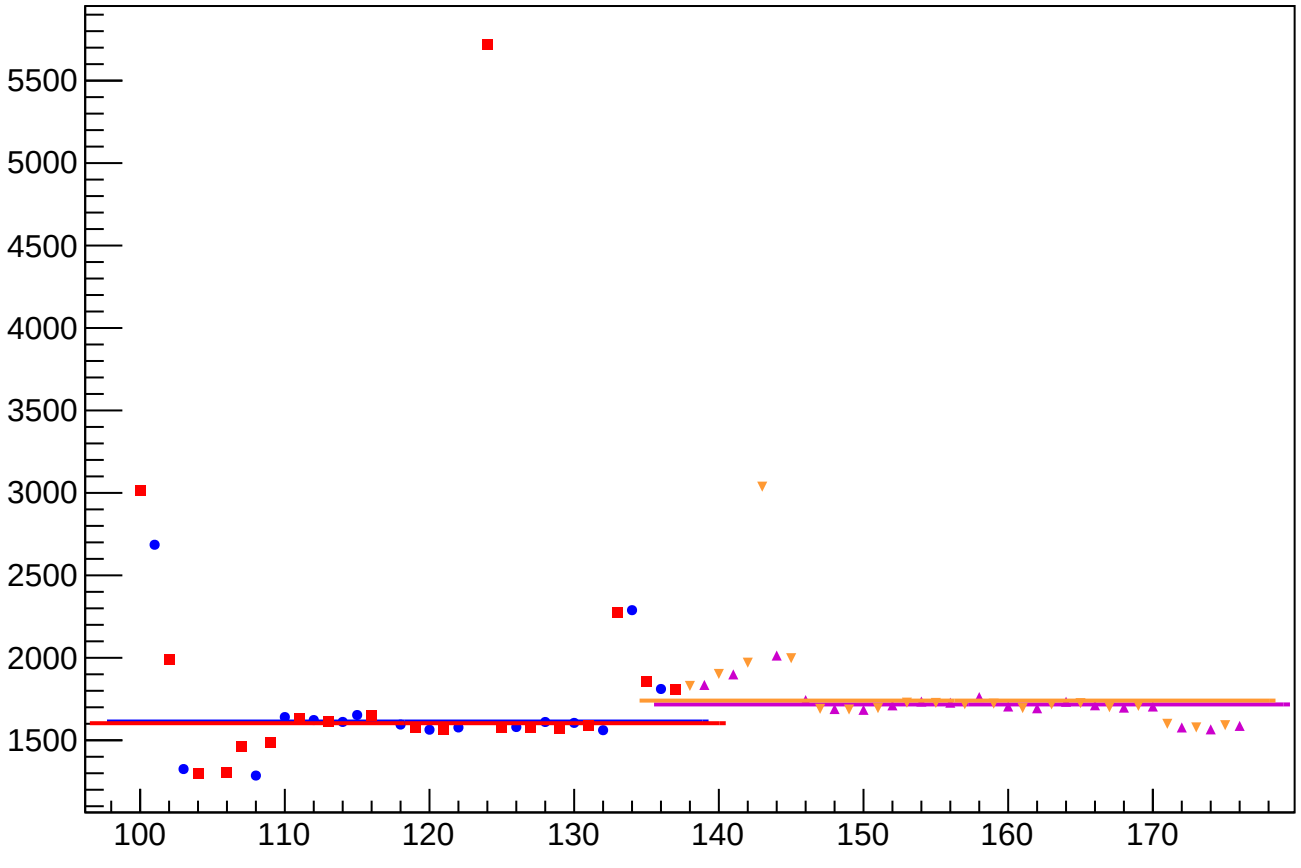
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.432+/-0.145 χ^2/NDF:4188738.1/34

Out: 935.725+/-0.146 χ^2/NDF:5033605.7/38

All: 932.548+/-0.103 χ^2/NDF: 9223276.4/73


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: 215.379+/-439.717 χ²/NDF:26.5/19
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 372.451+/-436.383 χ²/NDF:9.0/18
Left: 294.513+/-309.741 χ²/NDF: 35.5/38
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 641.831+/-354.752 χ²/NDF:24.5/34
Out: 115.519+/-355.360 χ²/NDF:44.9/38
All: 379.126+/-251.062 χ²/NDF: 70.5/73



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1740.617+/-0.311 χ^2/NDF:404348.6/19

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

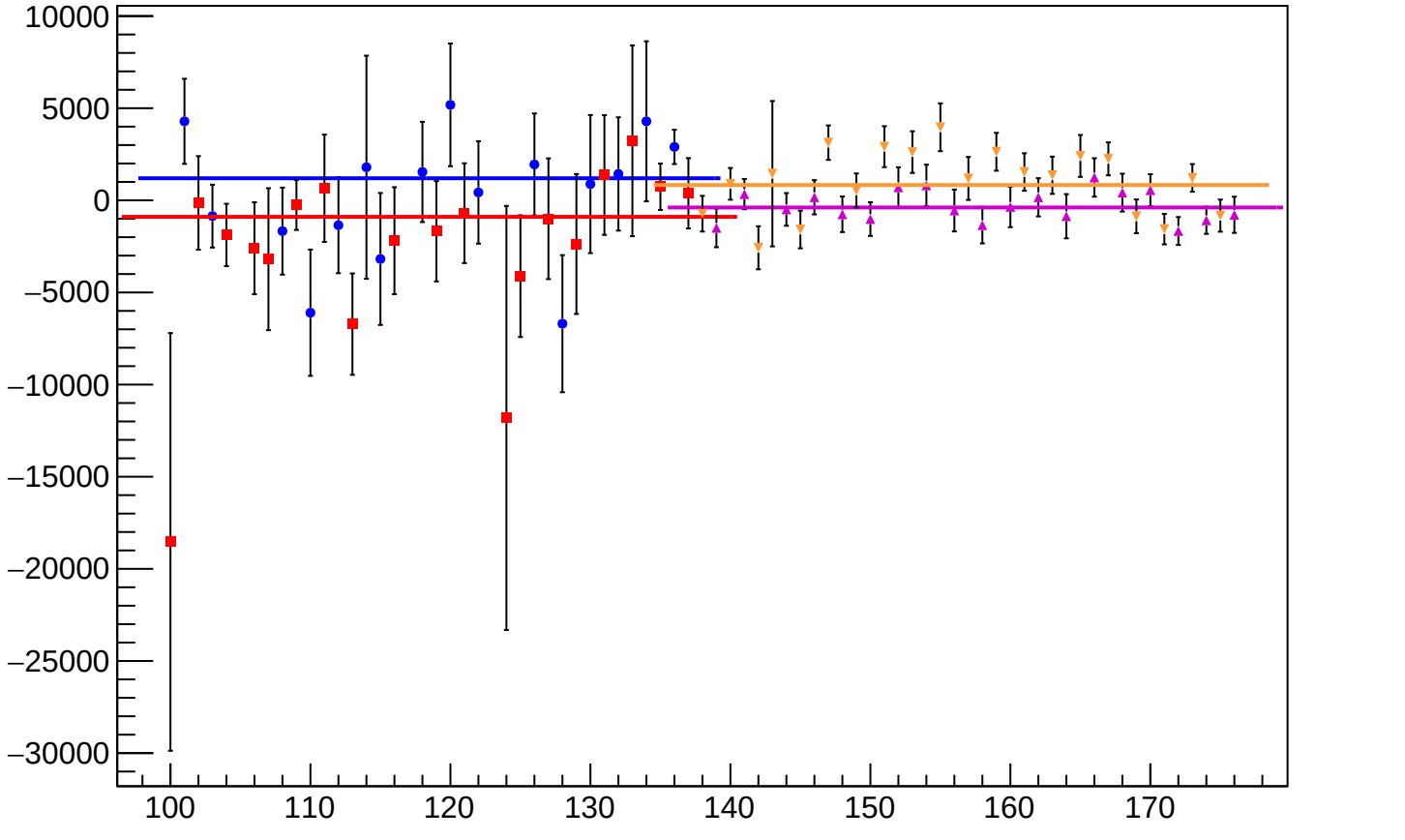
Left: 1728.867+/-0.219 χ^2/NDF: 510593.8/38

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.154+/-0.251 χ^2/NDF:546343.9/34

Out: 1693.041+/-0.251 χ^2/NDF:897638.0/38

All: 1687.588+/-0.178 χ^2/NDF: 1444922.0/73



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 831.817+/-223.064 χ^2/NDF:58.8/19

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -388.095+/-219.273 χ^2/NDF:14.5/18

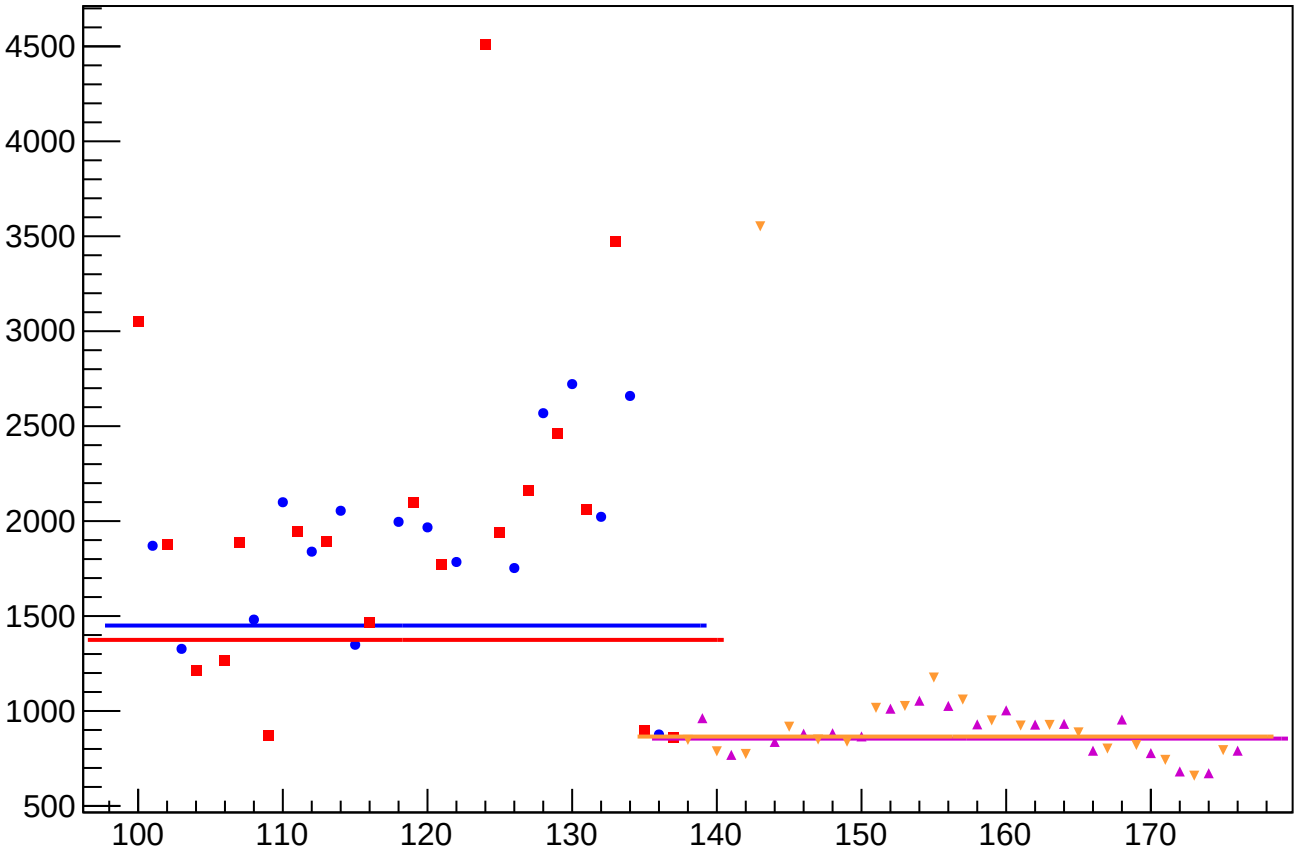
Left: 211.405+/-156.372 χ^2/NDF: 88.6/38

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -188.649+/-205.026 χ^2/NDF:42.8/34

Out: 592.837+/-207.059 χ^2/NDF:81.4/38

All: 198.240+/-145.689 χ^2/NDF: 131.3/73



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 865.280+/-0.158 χ^2/NDF:1464218.4/19

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

Left: 859.841+/-0.111 χ^2/NDF: 2009030.5/38

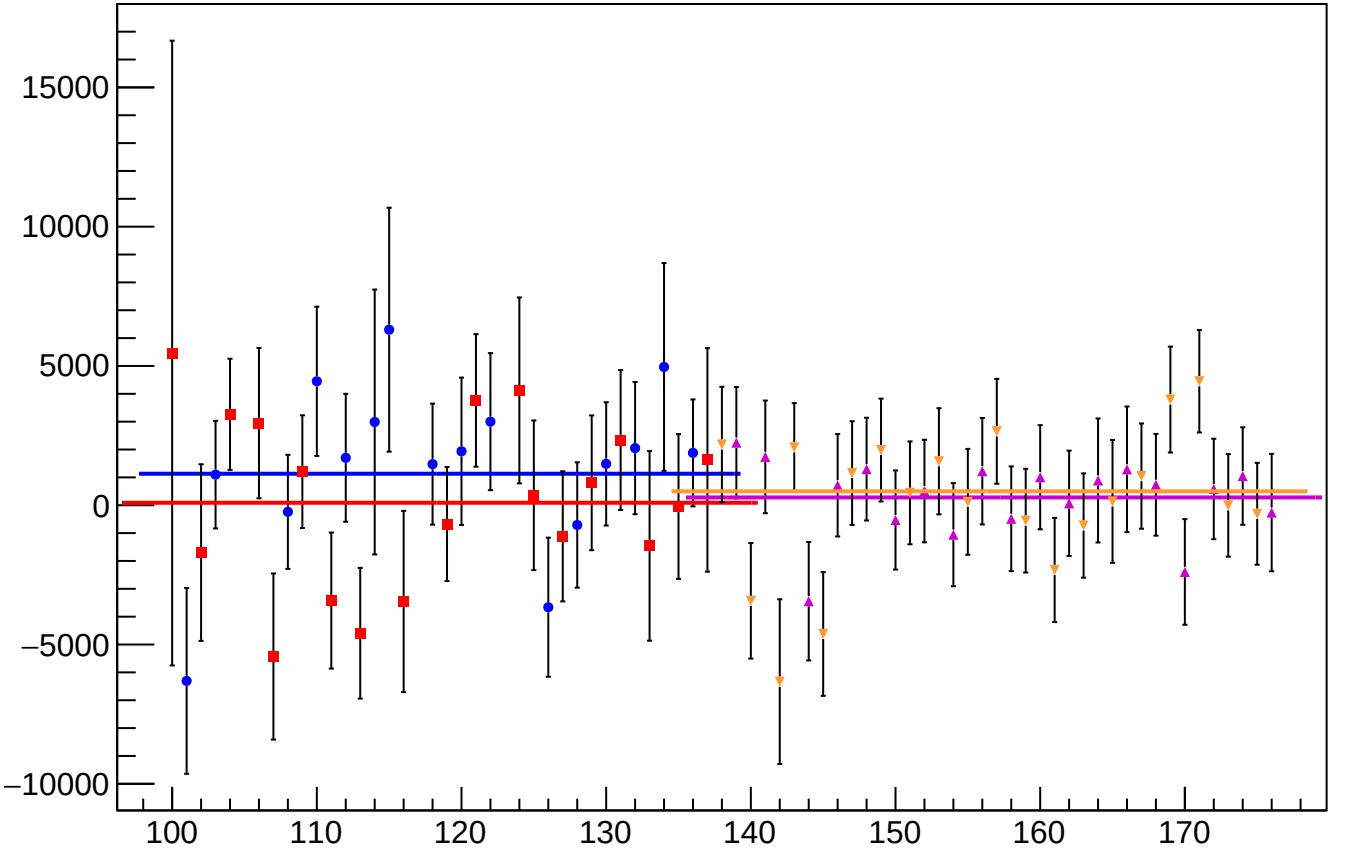
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.432+/-0.145 χ^2/NDF:4188738.1/34

Out: 935.725+/-0.146 χ^2/NDF:5033605.7/38

All: 932.548+/-0.103 χ^2/NDF: 9223276.4/73

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.078+/-430.298 χ^2/NDF:29.4/19

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 280.019+/-439.928 χ^2/NDF:8.8/18

Left: 392.483+/-307.615 χ^2/NDF: 38.3/38

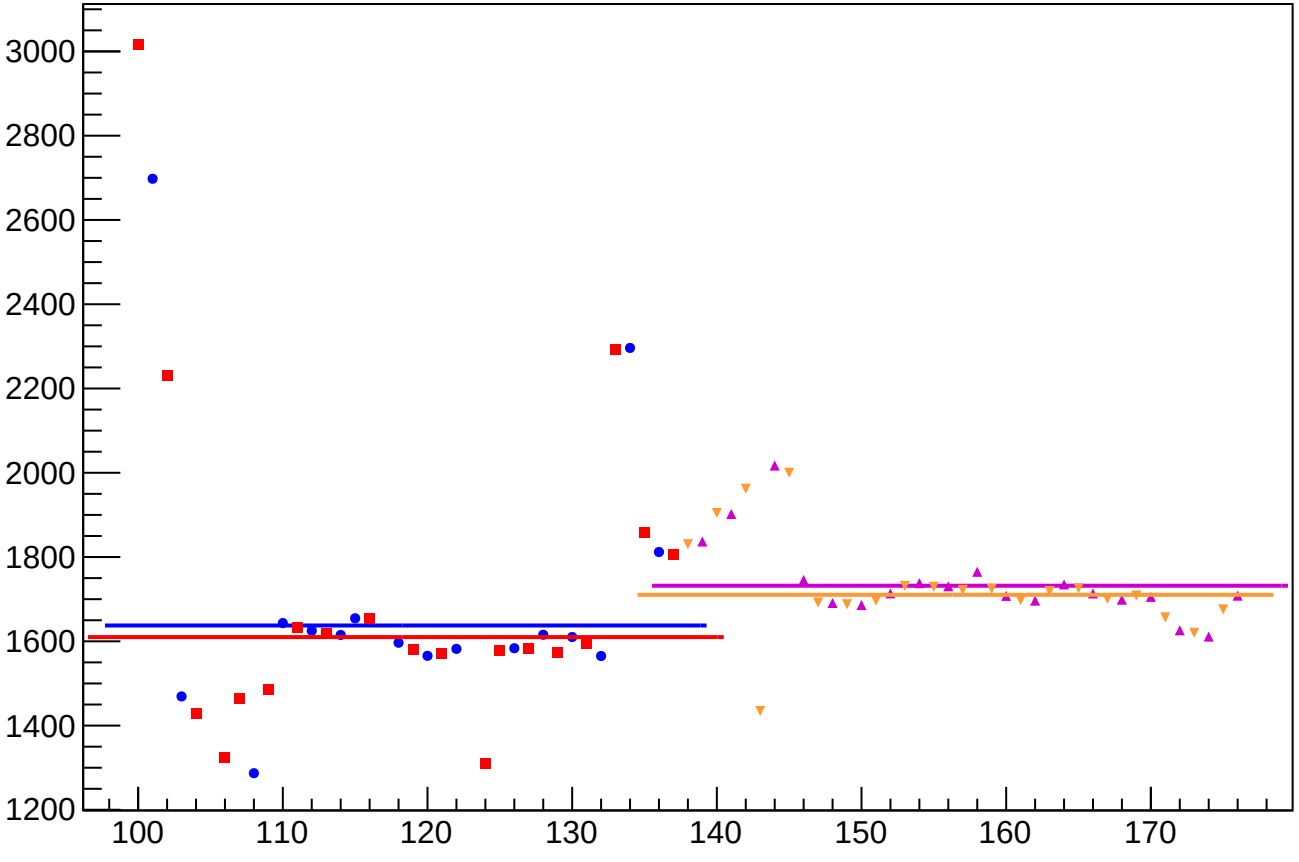
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 566.595+/-358.246 χ^2/NDF:25.1/34

Out: 361.474+/-350.276 χ^2/NDF:50.3/38

All: 461.728+/-250.453 χ^2/NDF: 75.6/73

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141795.4/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.4/18

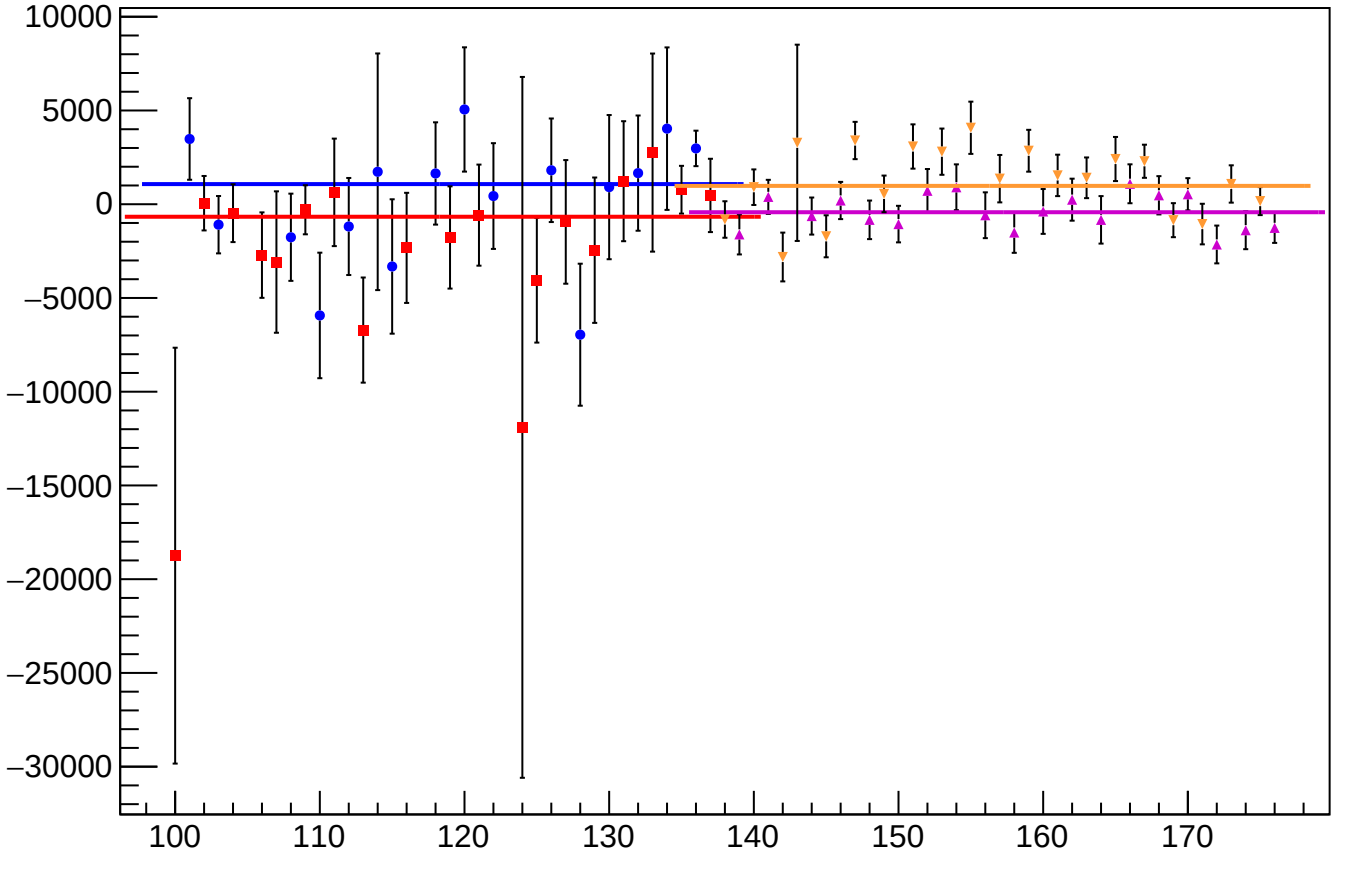
Left: 1720.915+/-0.218 χ^2/NDF: 222070.2/38

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.156+/-0.253 χ^2/NDF:470235.4/34

Out: 1676.517+/-0.248 χ^2/NDF:459278.2/38

All: 1688.071+/-0.177 χ^2/NDF: 933965.6/73



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 978.529+/-239.003 χ^2/NDF:50.1/19

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -426.651+/-236.162 χ^2/NDF:15.7/18

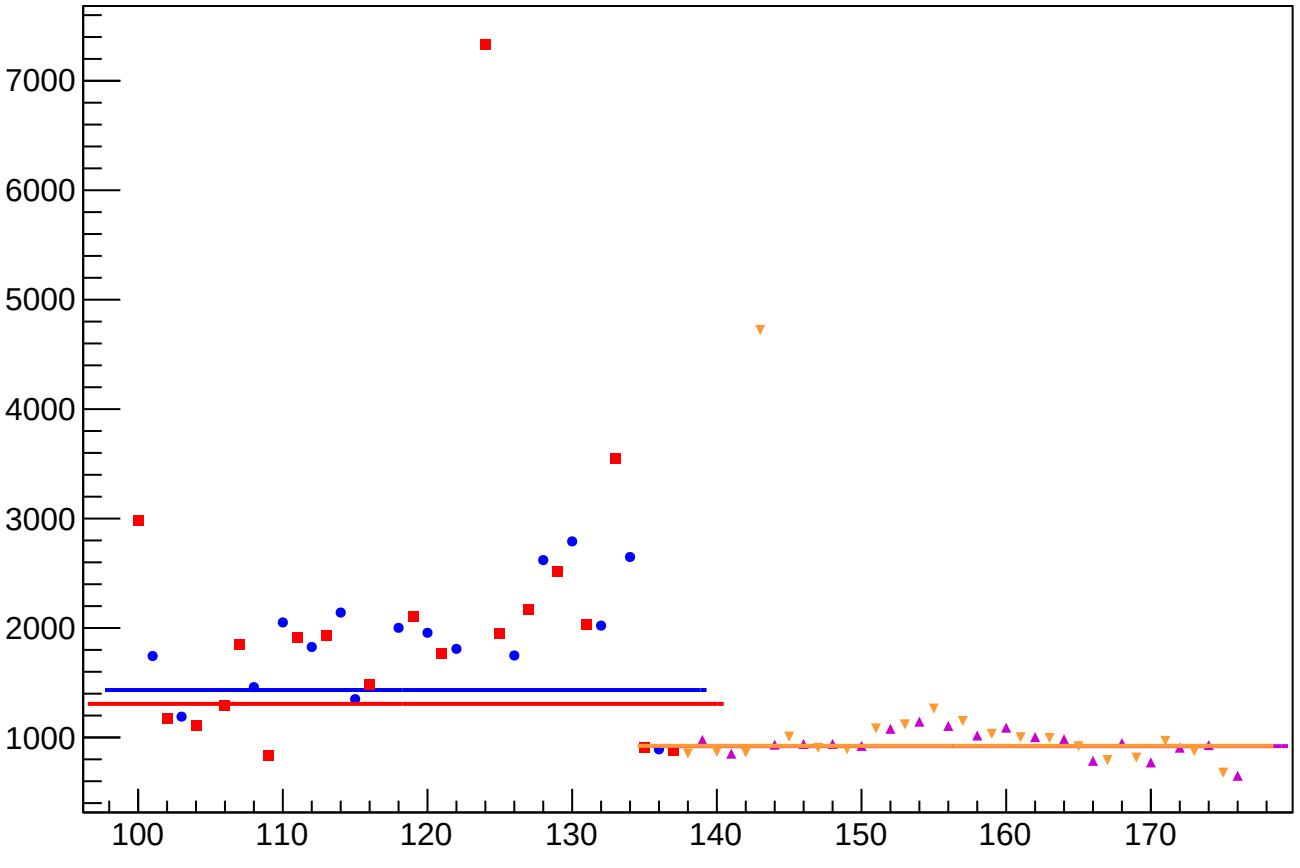
Left: 267.538+/-167.987 χ^2/NDF: 83.3/38

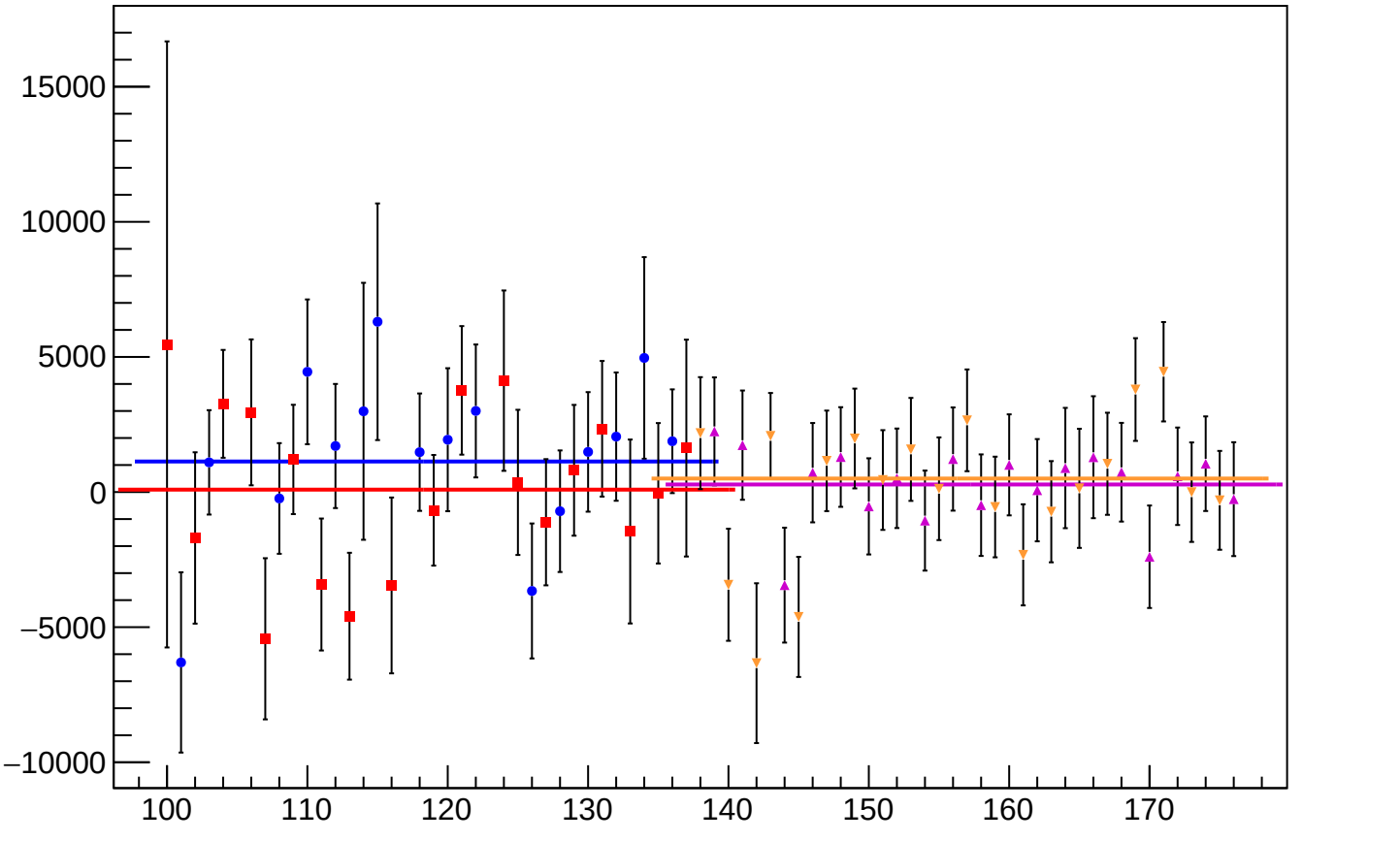
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -207.905+/-218.267 χ^2/NDF:43.6/34

Out: 694.547+/-217.414 χ^2/NDF:71.8/38

All: 245.087+/-154.036 χ^2/NDF: 124.1/73


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 923.402+/-0.169 χ²/NDF:1694329.3/19
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 920.586+/-0.167 χ²/NDF:564661.6/18
Left: 921.977+/-0.119 χ²/NDF: 2259131.3/38
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 995.369+/-0.154 χ²/NDF:3703580.3/34
Out: 989.548+/-0.154 χ²/NDF:4766322.3/38
All: 992.447+/-0.109 χ²/NDF: 8470616.7/73



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 500.073+/-430.298 χ^2/NDF:29.4/19

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 280.020+/-439.928 χ^2/NDF:8.8/18

Left: 392.481+/-307.615 χ^2/NDF: 38.3/38

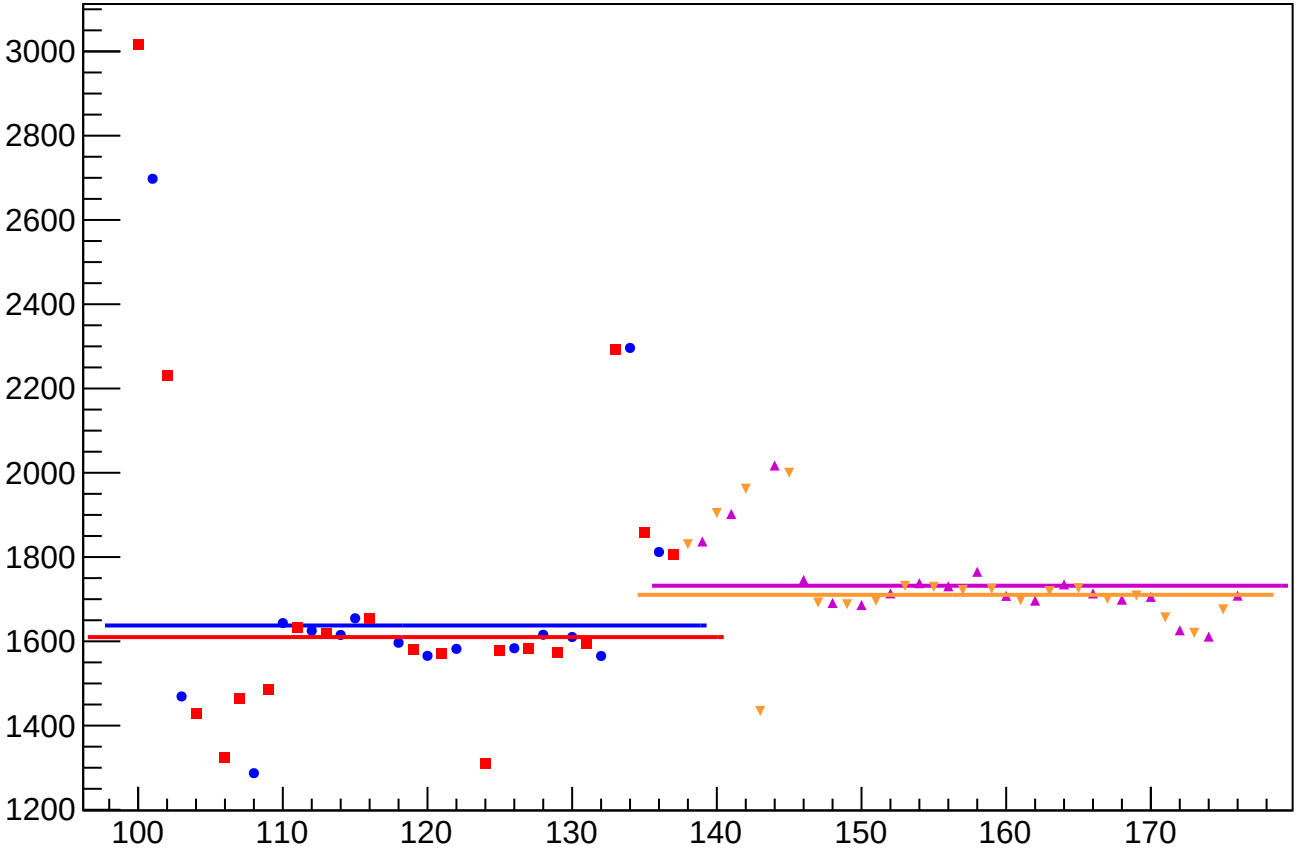
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 566.596+/-358.246 χ^2/NDF:25.1/34

Out: 361.473+/-350.276 χ^2/NDF:50.3/38

All: 461.728+/-250.453 χ^2/NDF: 75.6/73

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1710.359+/-0.304 χ^2/NDF:141794.7/19

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.9/18

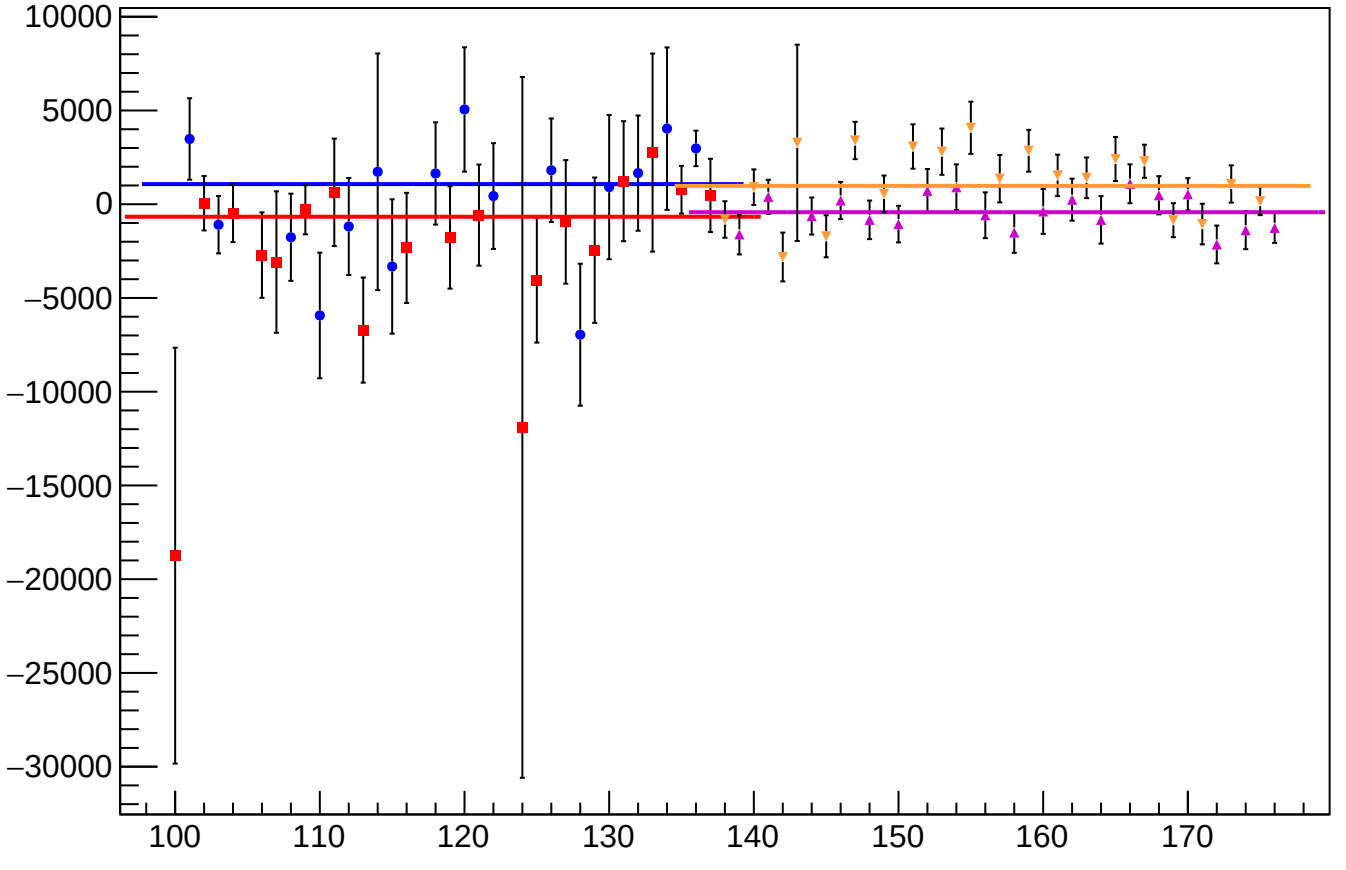
Left: 1720.914+/-0.218 χ^2/NDF: 222070.0/38

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.156+/-0.253 χ^2/NDF:470235.6/34

Out: 1676.517+/-0.248 χ^2/NDF:459277.8/38

All: 1688.071+/-0.177 χ^2/NDF: 933965.4/73



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 978.534+/-239.003 χ^2/NDF:50.1/19

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -426.649+/-236.162 χ^2/NDF:15.7/18

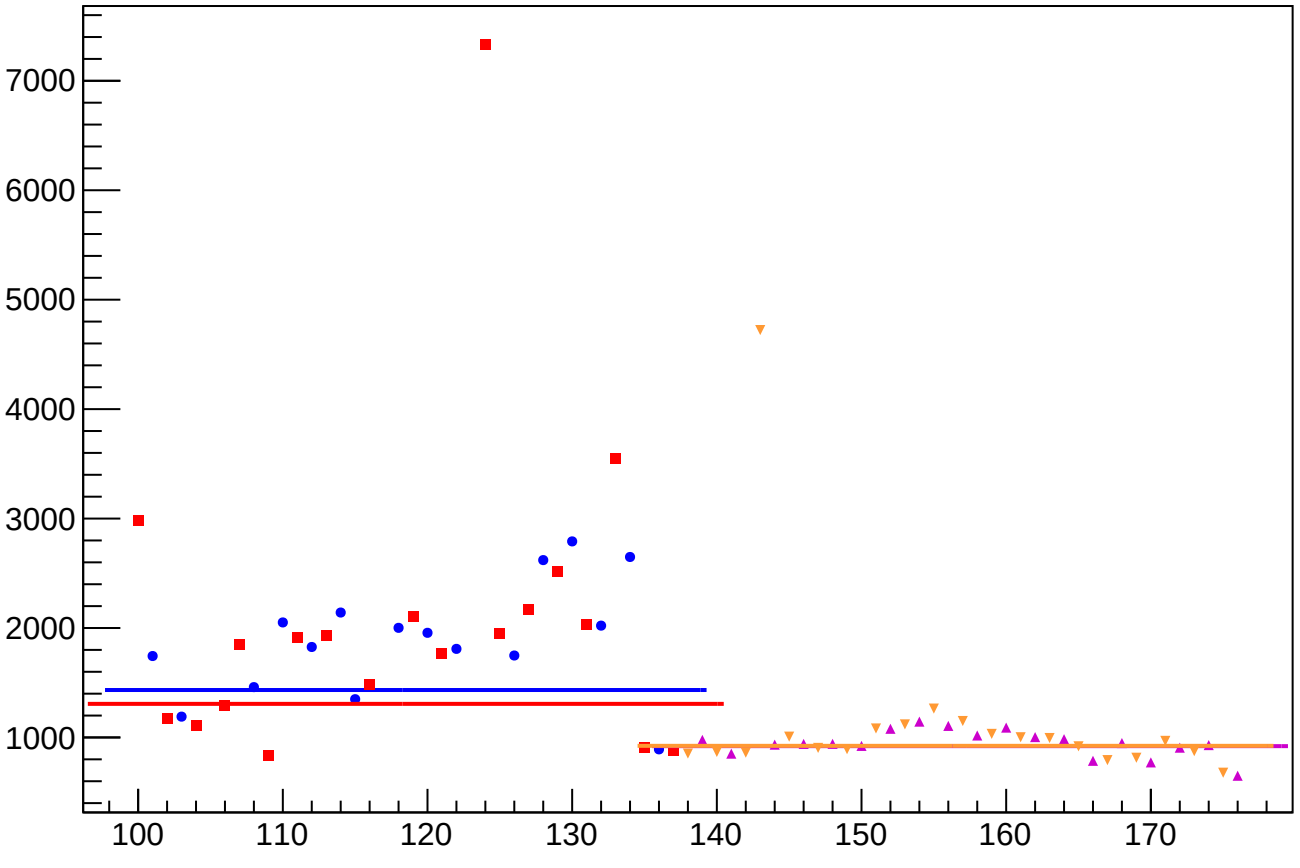
Left: 267.540+/-167.987 χ^2/NDF: 83.3/38

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -207.907+/-218.267 χ^2/NDF:43.6/34

Out: 694.552+/-217.415 χ^2/NDF:71.8/38

All: 245.088+/-154.036 χ^2/NDF: 124.1/73



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 923.403+/-0.169 χ^2/NDF:1694317.0/19

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 920.586+/-0.167 χ^2/NDF:564664.3/18

Left: 921.977+/-0.119 χ^2/NDF: 2259121.9/38

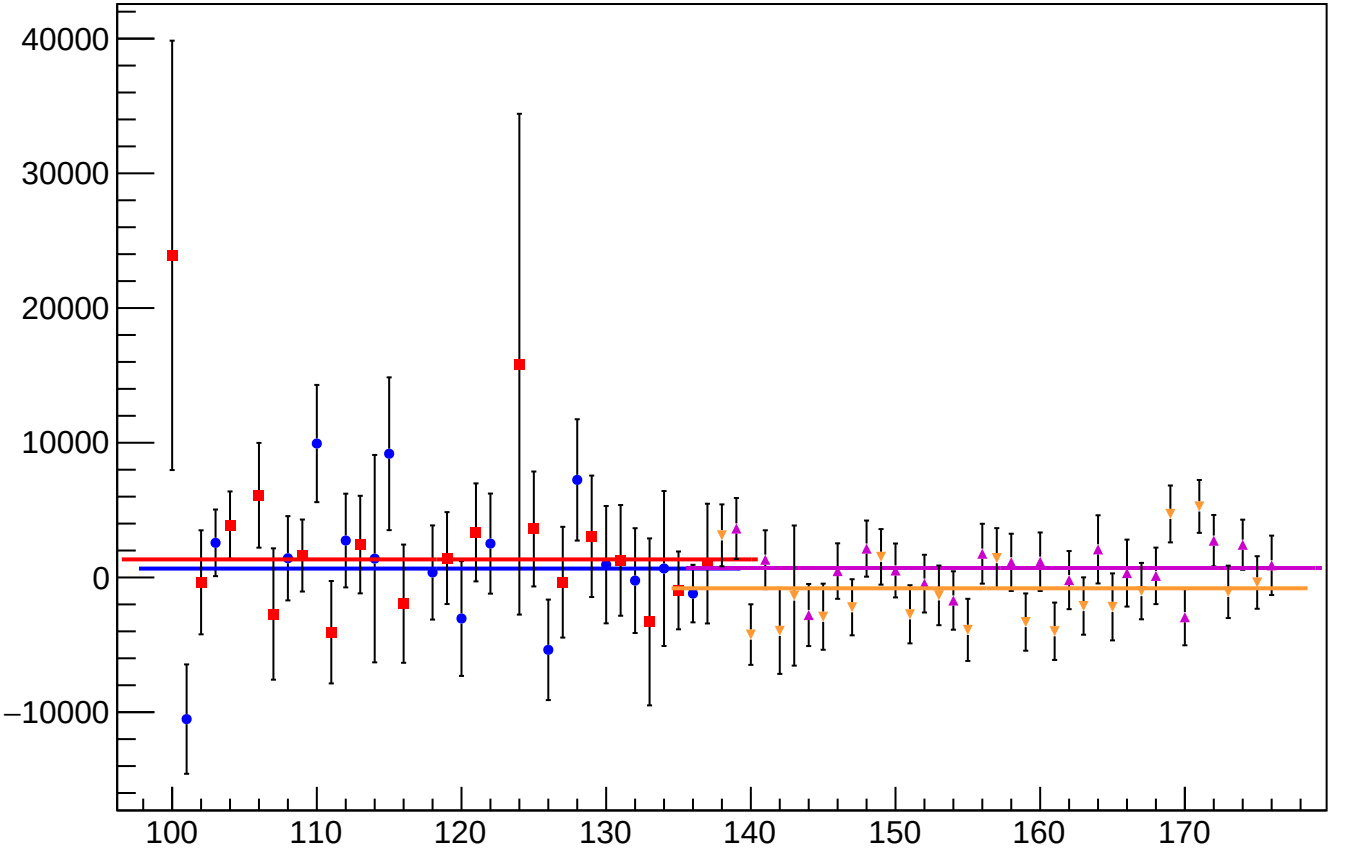
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 995.370+/-0.154 χ^2/NDF:3703558.4/34

Out: 989.550+/-0.154 χ^2/NDF:4766285.3/38

All: 992.449+/-0.109 χ^2/NDF: 8470557.4/73

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -803.248+/-498.326 χ^2/NDF:33.2/19

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 703.750+/-491.745 χ^2/NDF:12.0/18

Left: -39.732+/-350.020 χ^2/NDF: 49.9/38

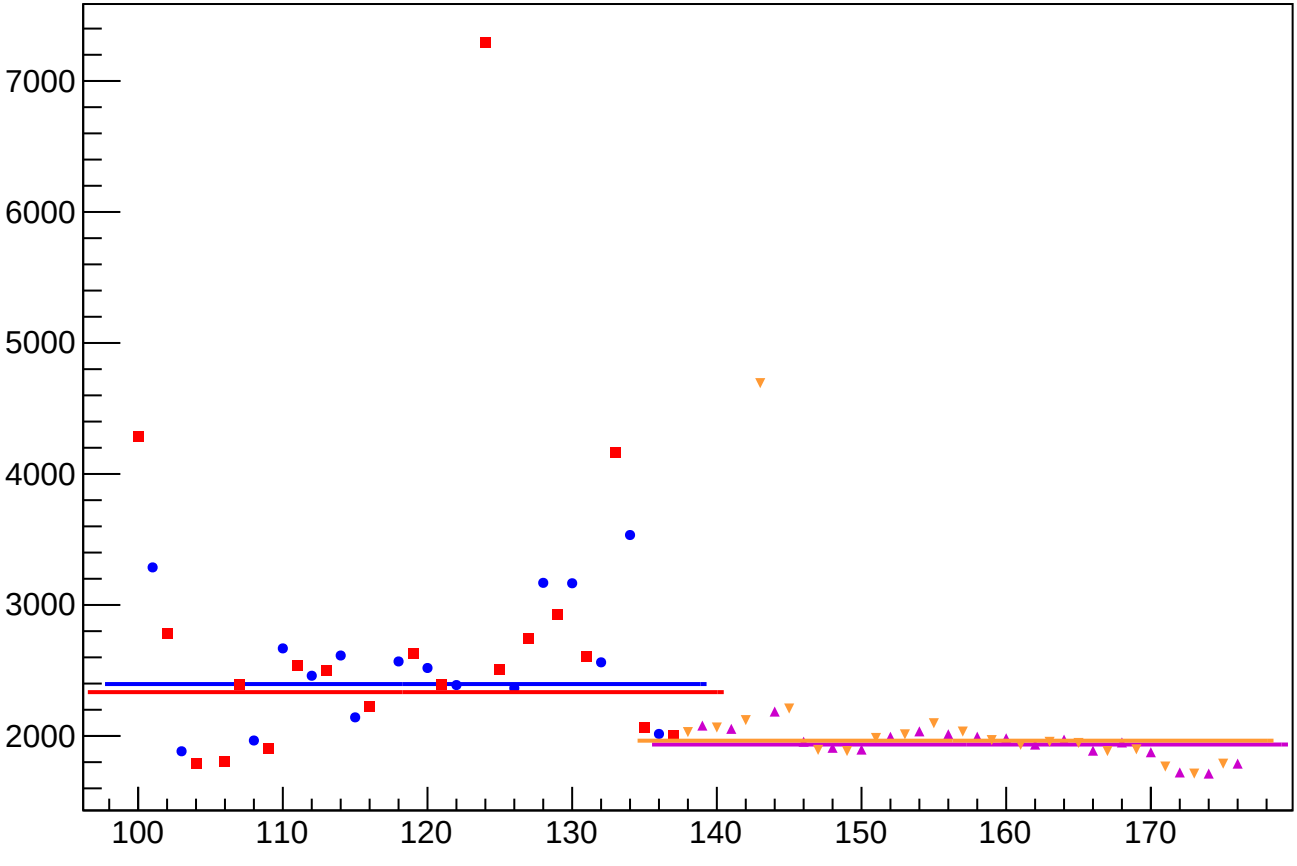
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 693.732+/-432.574 χ^2/NDF:34.0/34

Out: -291.726+/-434.875 χ^2/NDF:48.5/38

All: 203.617+/-306.686 χ^2/NDF: 85.1/73

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1963.979+/-0.352 χ^2/NDF:671526.1/19

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1934.685+/-0.348 χ^2/NDF:115092.8/18

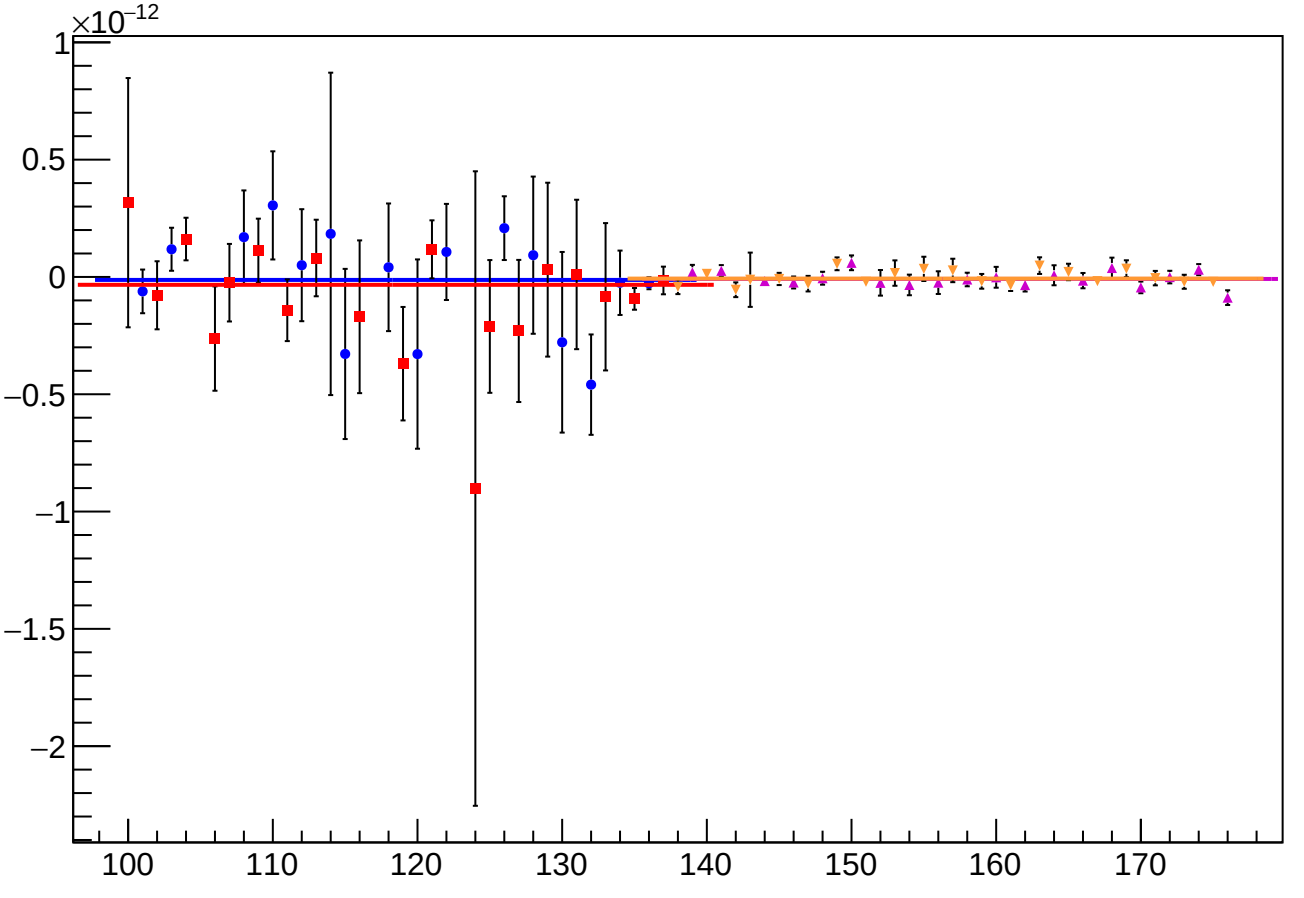
Left: 1949.138+/-0.248 χ^2/NDF: 790120.5/38

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2039.087+/-0.306 χ^2/NDF:1021568.4/34

Out: 2052.351+/-0.308 χ^2/NDF:1616871.4/38

All: 2045.684+/-0.217 χ^2/NDF: 2639375.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.5/18

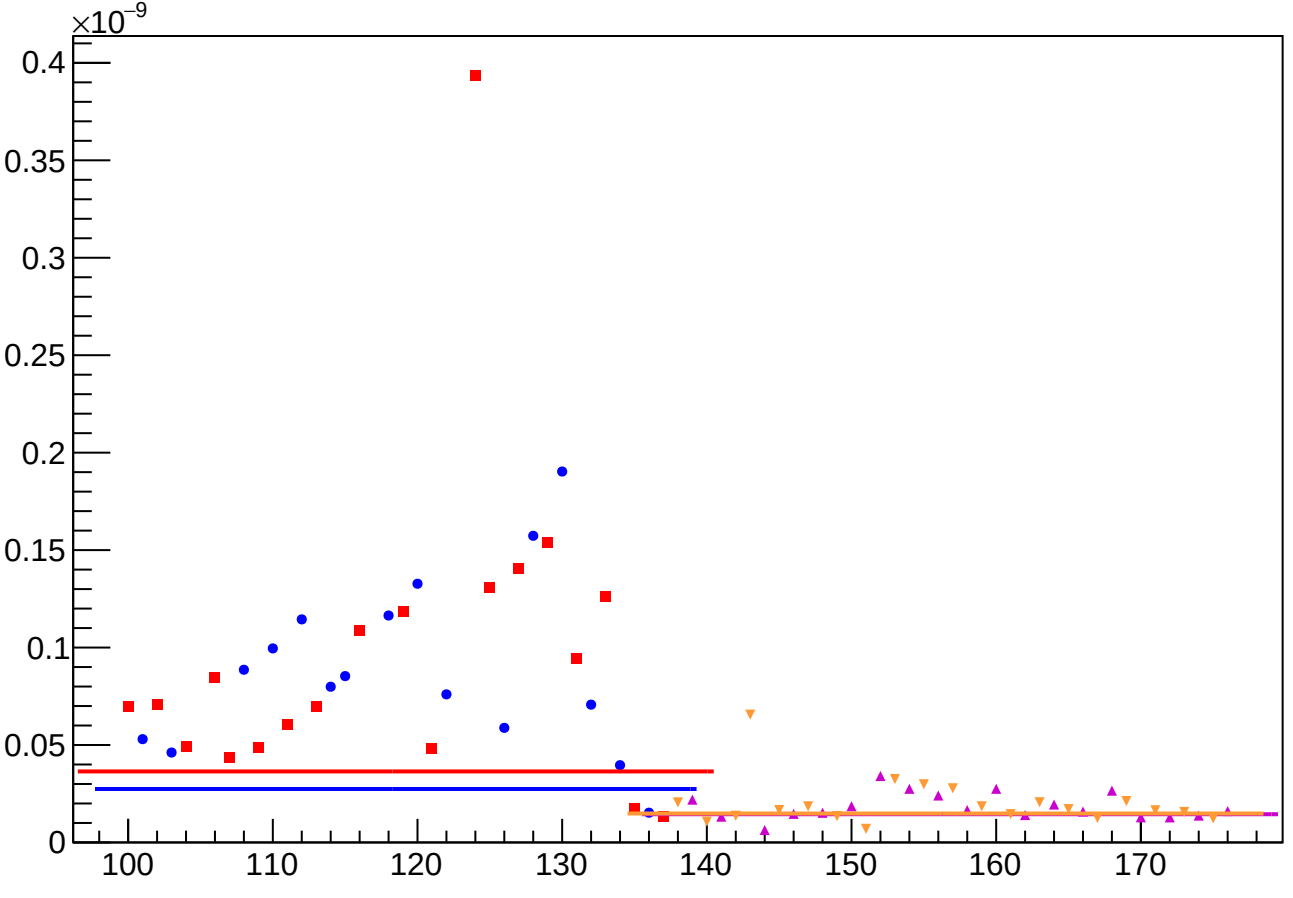
Left: -0.000+/-0.000 χ^2/NDF: 41.7/38

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:37.4/34

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: -0.000+/-0.000 χ^2/NDF: 72.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1683125.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1744114.3/18

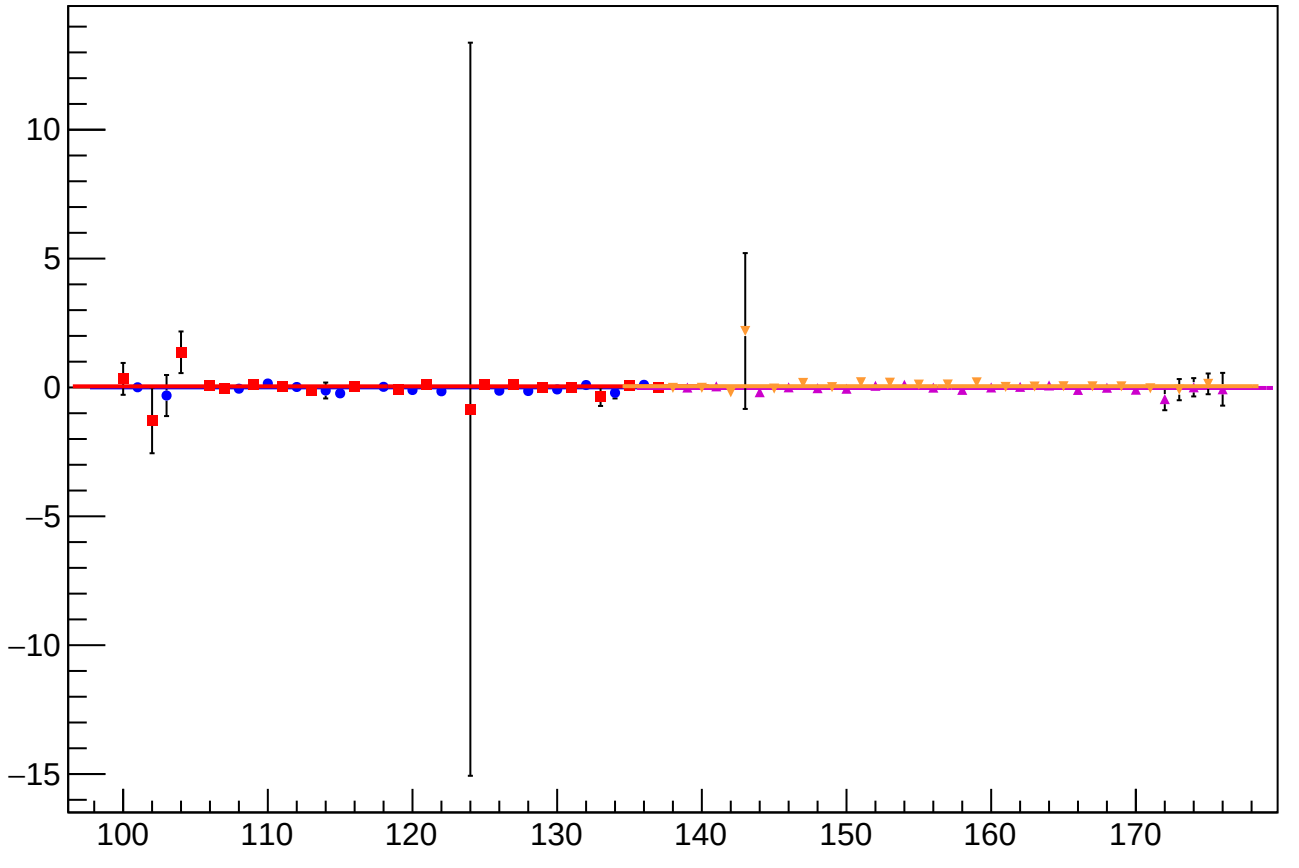
Left: 0.000+/-0.000 χ^2/NDF: 3430637.0/38

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5100201.6/34

Out: 0.000+/-0.000 χ^2/NDF:5256259.4/38

All: 0.000+/-0.000 χ^2/NDF: 10360908.9/73



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

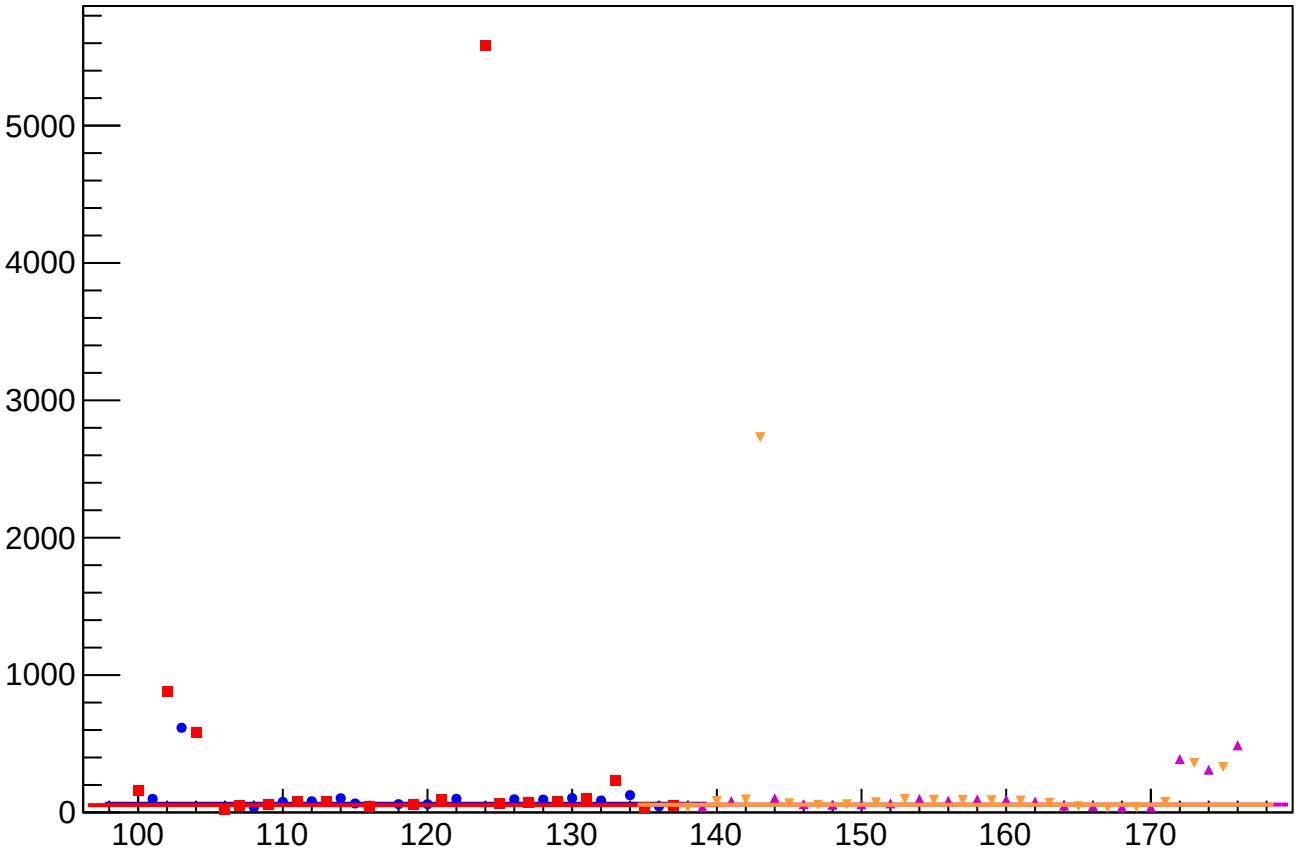
Left: 0.015+/-0.012 χ^2/NDF: 40.8/38

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/73



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

Left: 56.634+/-0.009 χ^2/NDF: 12377199.1/38

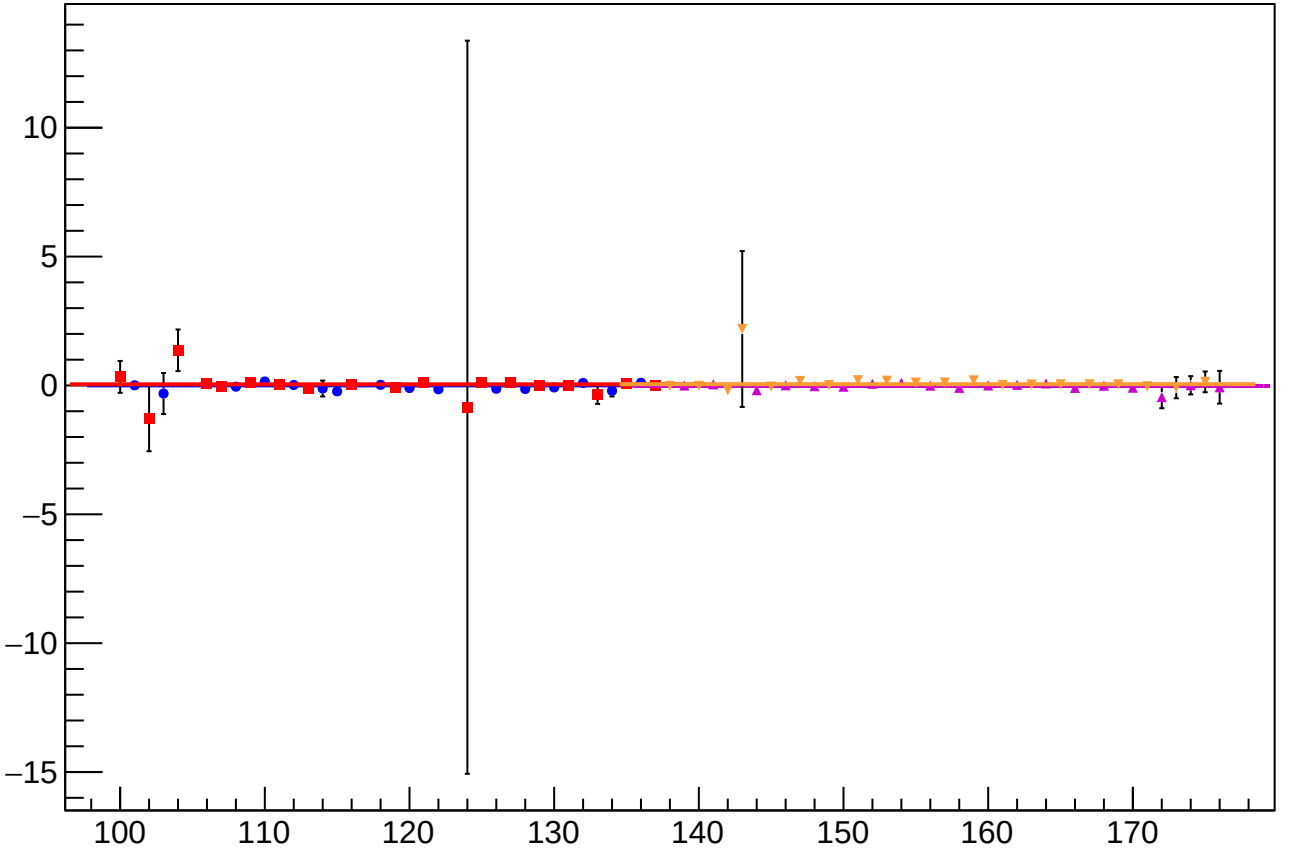
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.128+/-0.010 χ^2/NDF:8304145.5/34

Out: 55.015+/-0.010 χ^2/NDF:10542182.0/38

All: 57.006+/-0.007 χ^2/NDF: 18929224.4/73

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

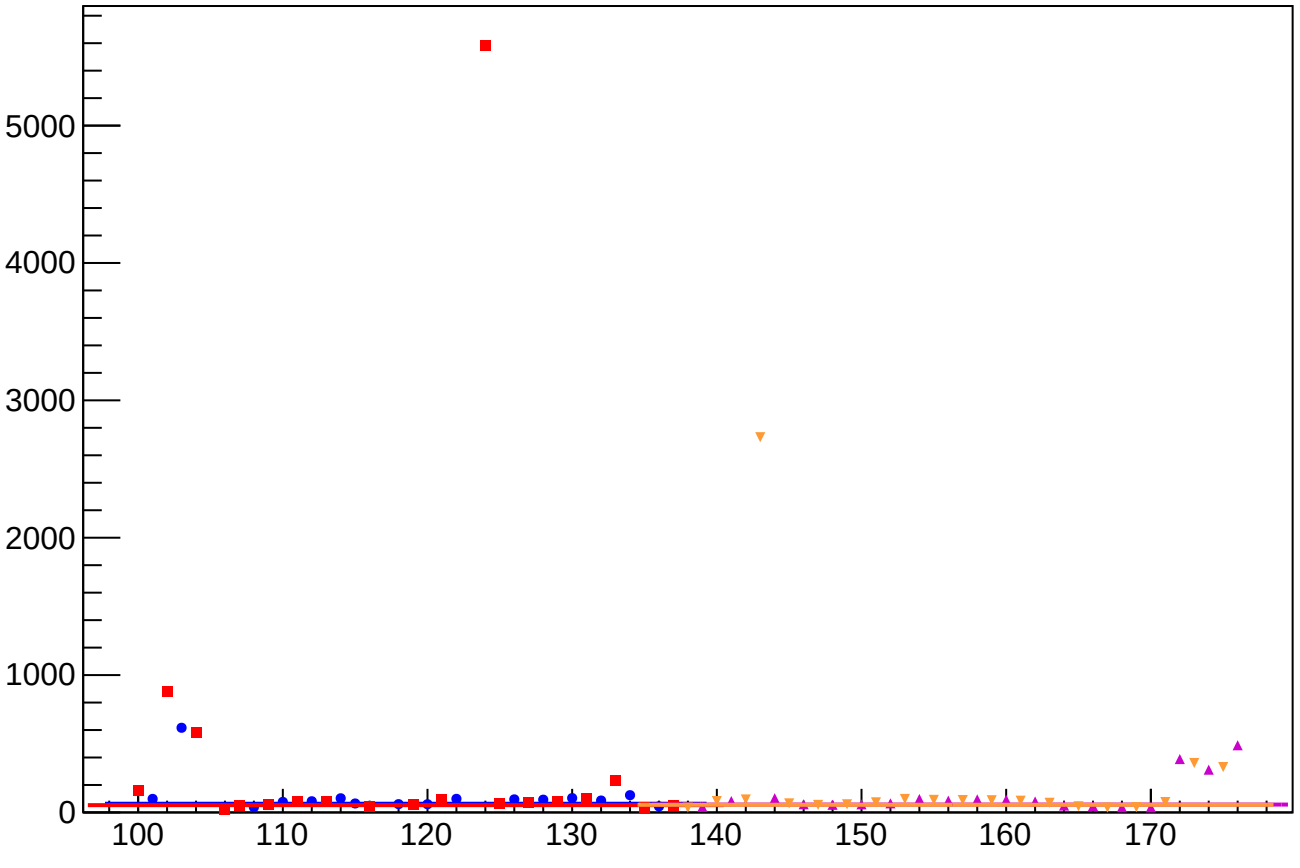
Left: 0.015+/-0.012 χ^2/NDF: 40.8/38

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/73



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.867+/-0.012 χ^2/NDF:6580802.0/19

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

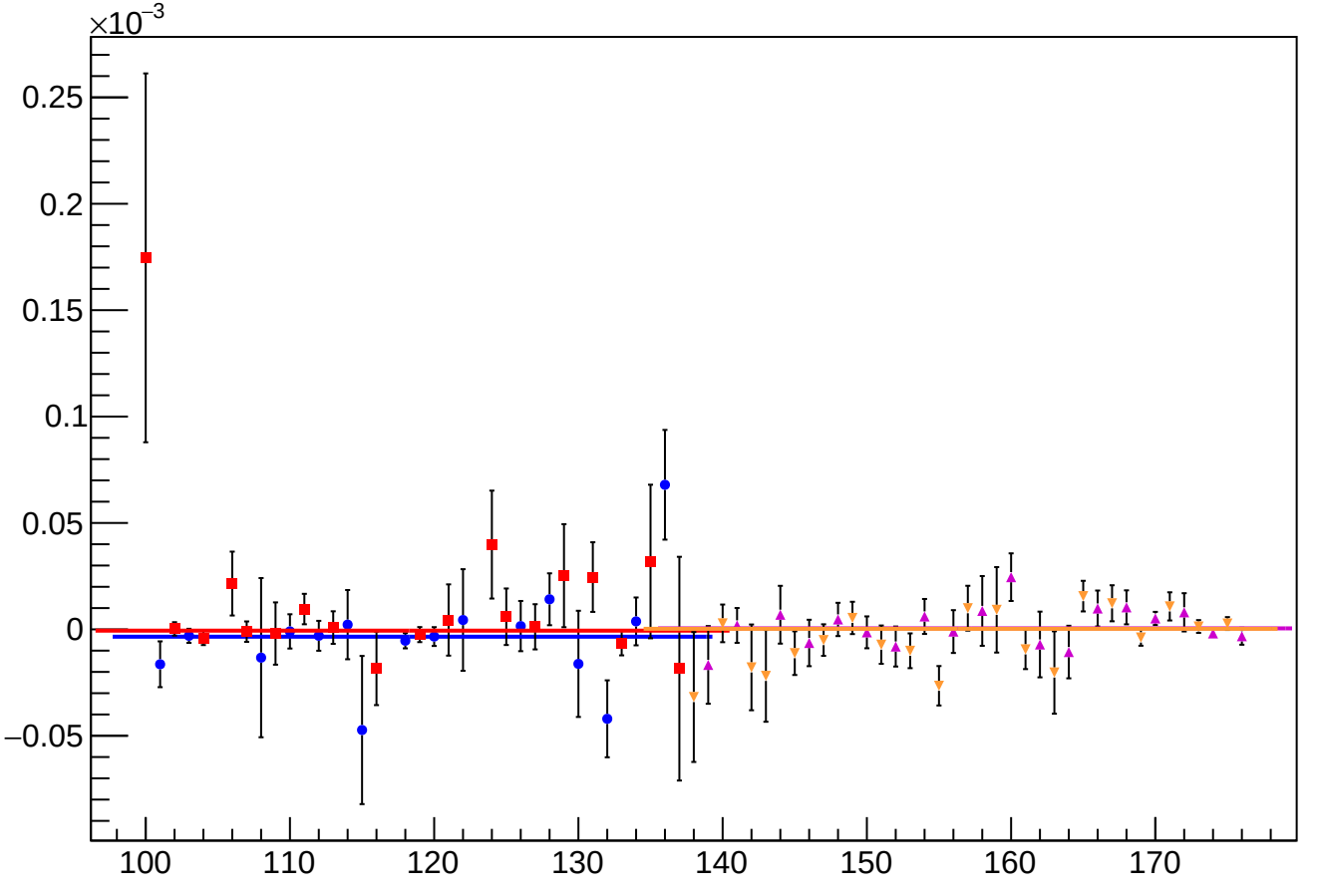
Left: 56.634+/-0.009 χ^2/NDF: 12377199.1/38

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.128+/-0.010 χ^2/NDF:8304145.5/34

Out: 55.015+/-0.010 χ^2/NDF:10542182.0/38

All: 57.006+/-0.007 χ^2/NDF: 18929224.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/18

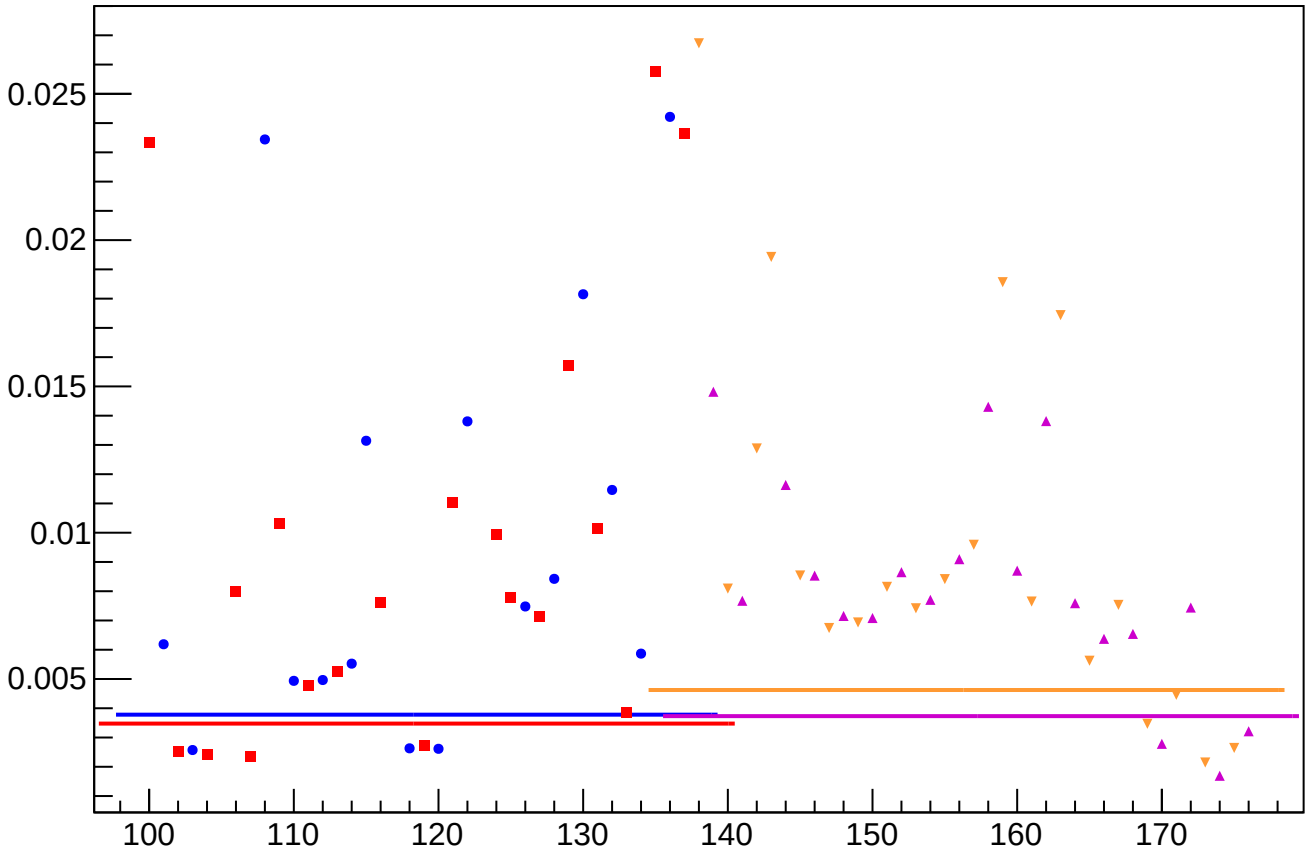
Left: 0.000+/-0.000 χ^2/NDF: 47.5/38

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.4/34

Out: -0.000+/-0.000 χ^2/NDF:49.5/38

All: -0.000+/-0.000 χ^2/NDF: 89.0/73



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:9322785.0/19

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10368249.5/18

Left: 0.004+/-0.000 χ^2/NDF: 20120873.0/38

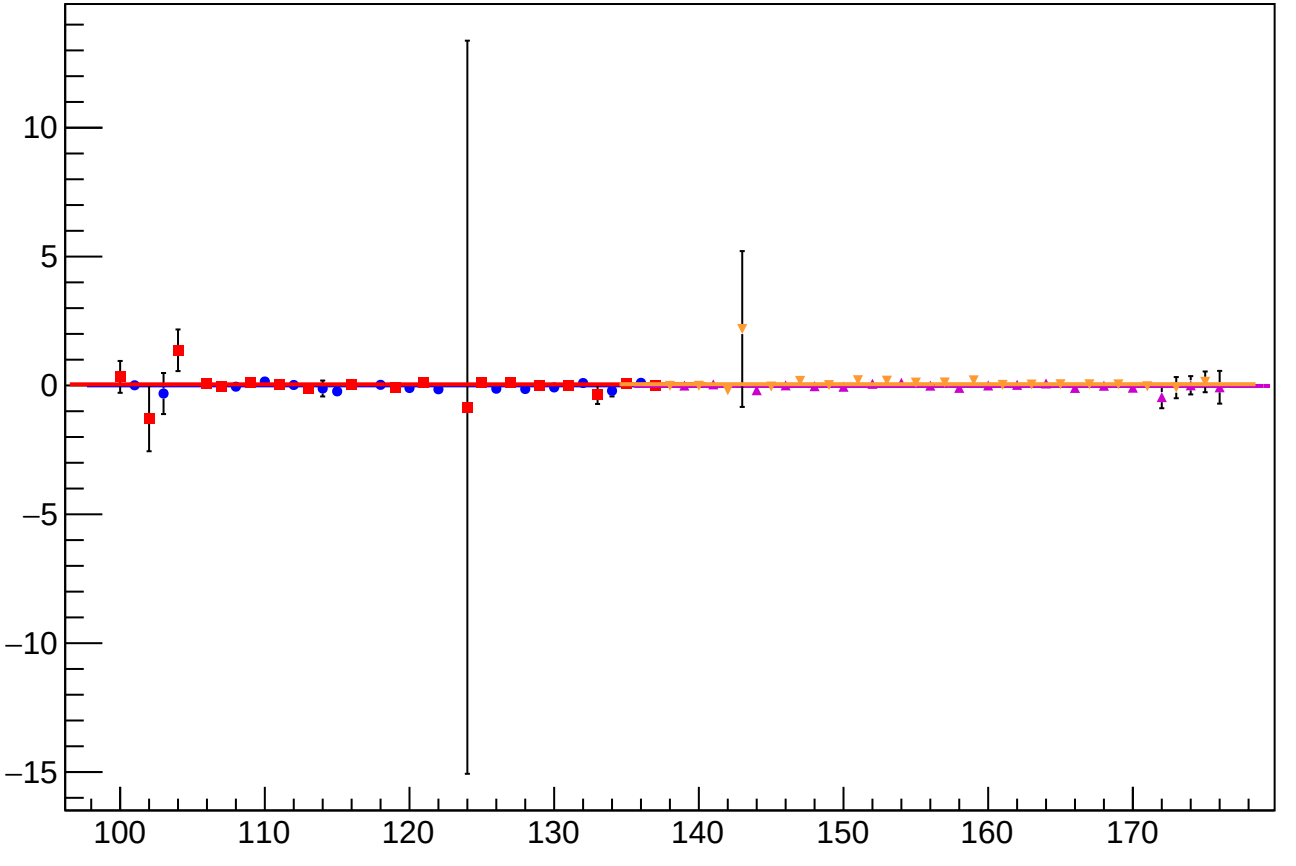
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15088801.3/34

Out: 0.004+/-0.000 χ^2/NDF:14403429.9/38

All: 0.004+/-0.000 χ^2/NDF: 29595304.7/73

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

Left: 0.015+/-0.012 χ^2/NDF: 40.8/38

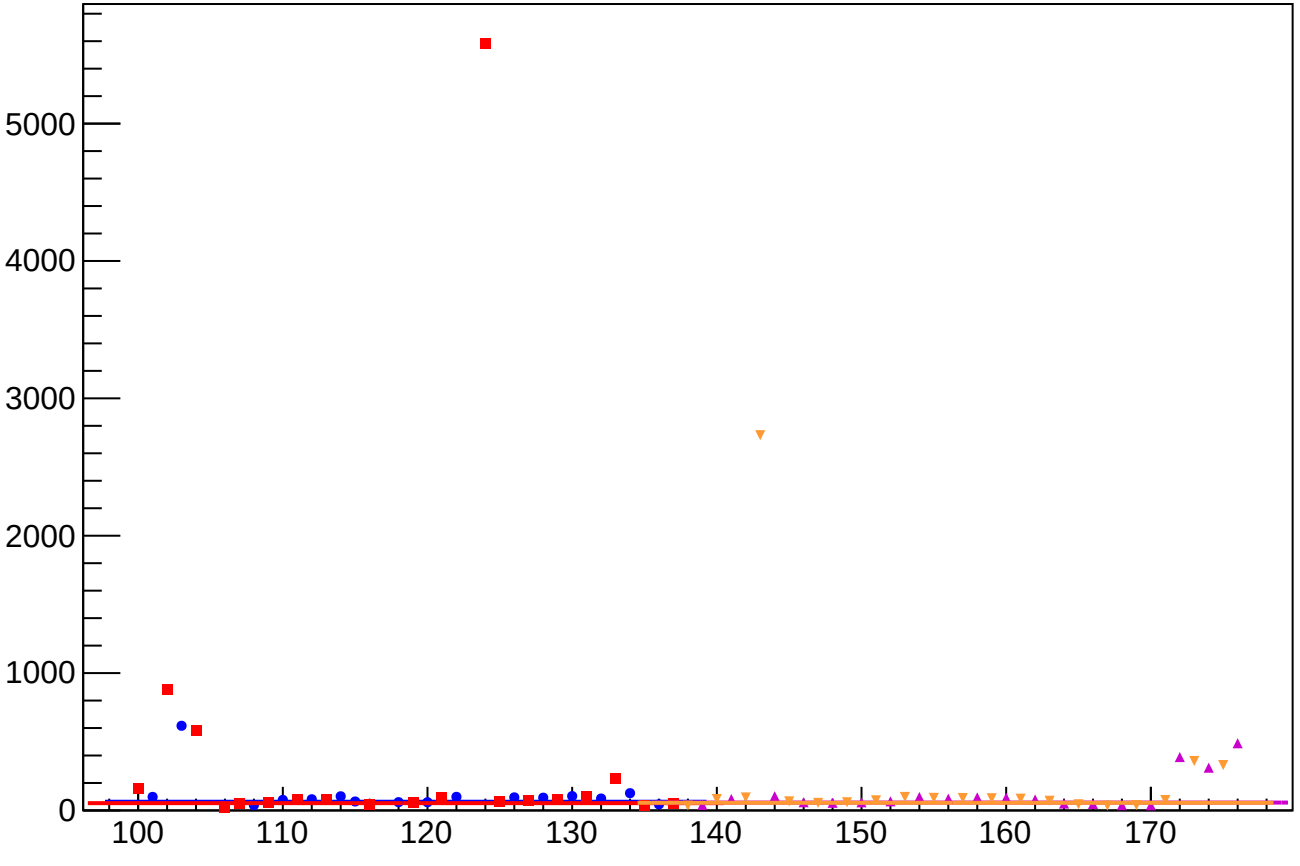
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/73

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: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

Left: 56.634+/-0.009 χ^2/NDF: 12376489.9/38

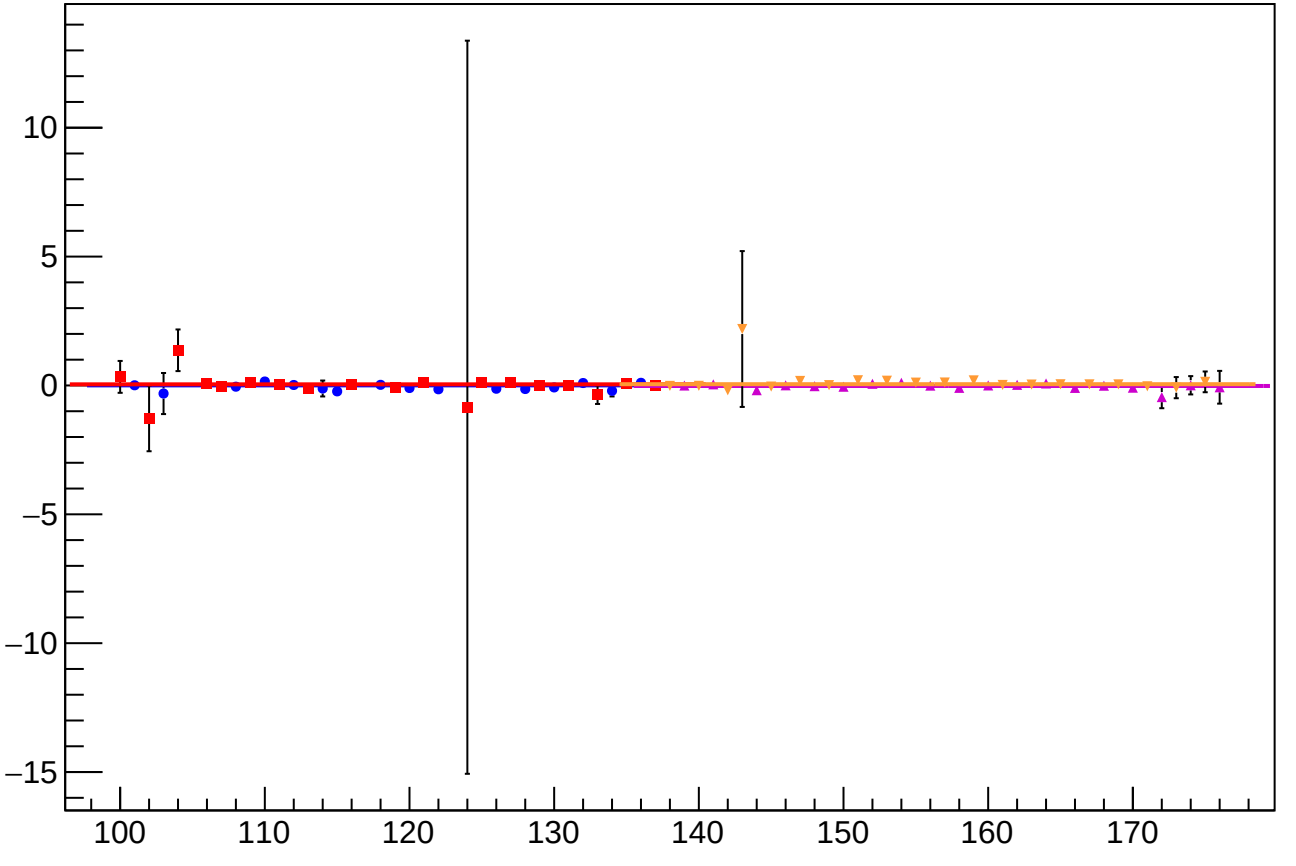
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.132+/-0.010 χ^2/NDF:8302920.9/34

Out: 55.012+/-0.010 χ^2/NDF:10542504.3/38

All: 57.007+/-0.007 χ^2/NDF: 18928580.8/73

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/19

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

Left: 0.015+/-0.012 χ^2/NDF: 40.8/38

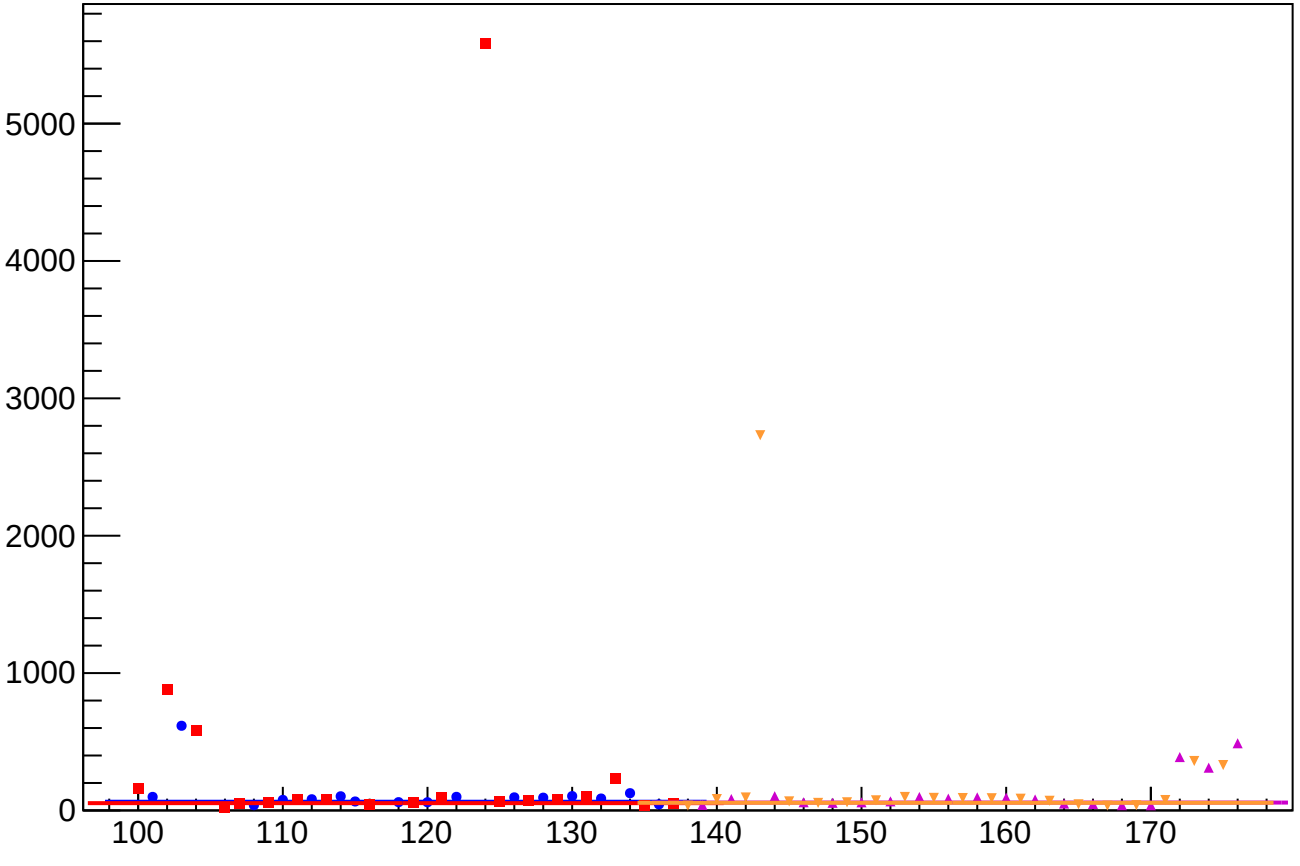
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:32.6/38

All: 0.018+/-0.010 χ^2/NDF: 68.2/73

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.866+/-0.012 χ^2/NDF:6580526.8/19

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

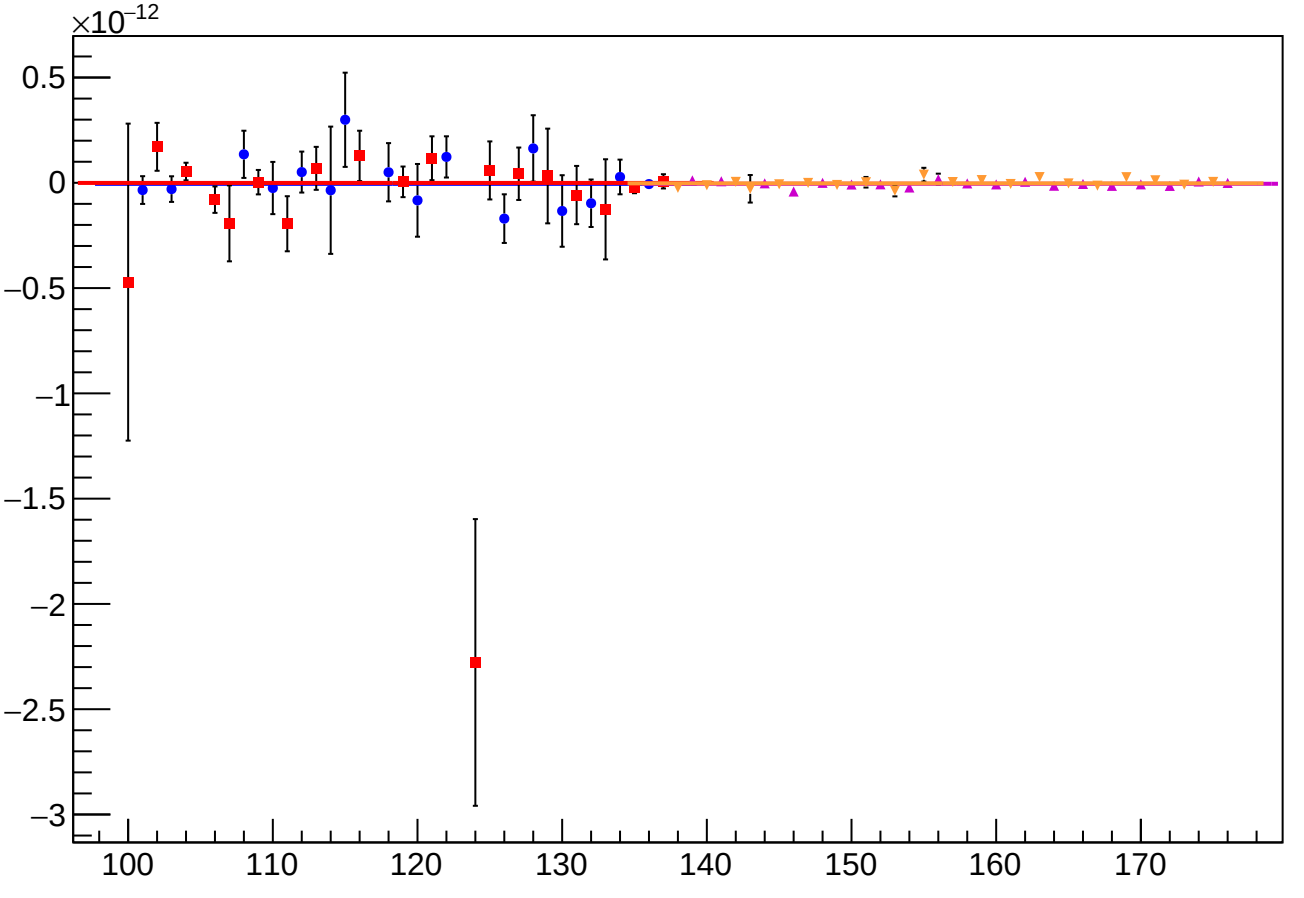
Left: 56.634+/-0.009 χ^2/NDF: 12376489.9/38

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.132+/-0.010 χ^2/NDF:8302920.9/34

Out: 55.012+/-0.010 χ^2/NDF:10542504.3/38

All: 57.007+/-0.007 χ^2/NDF: 18928580.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

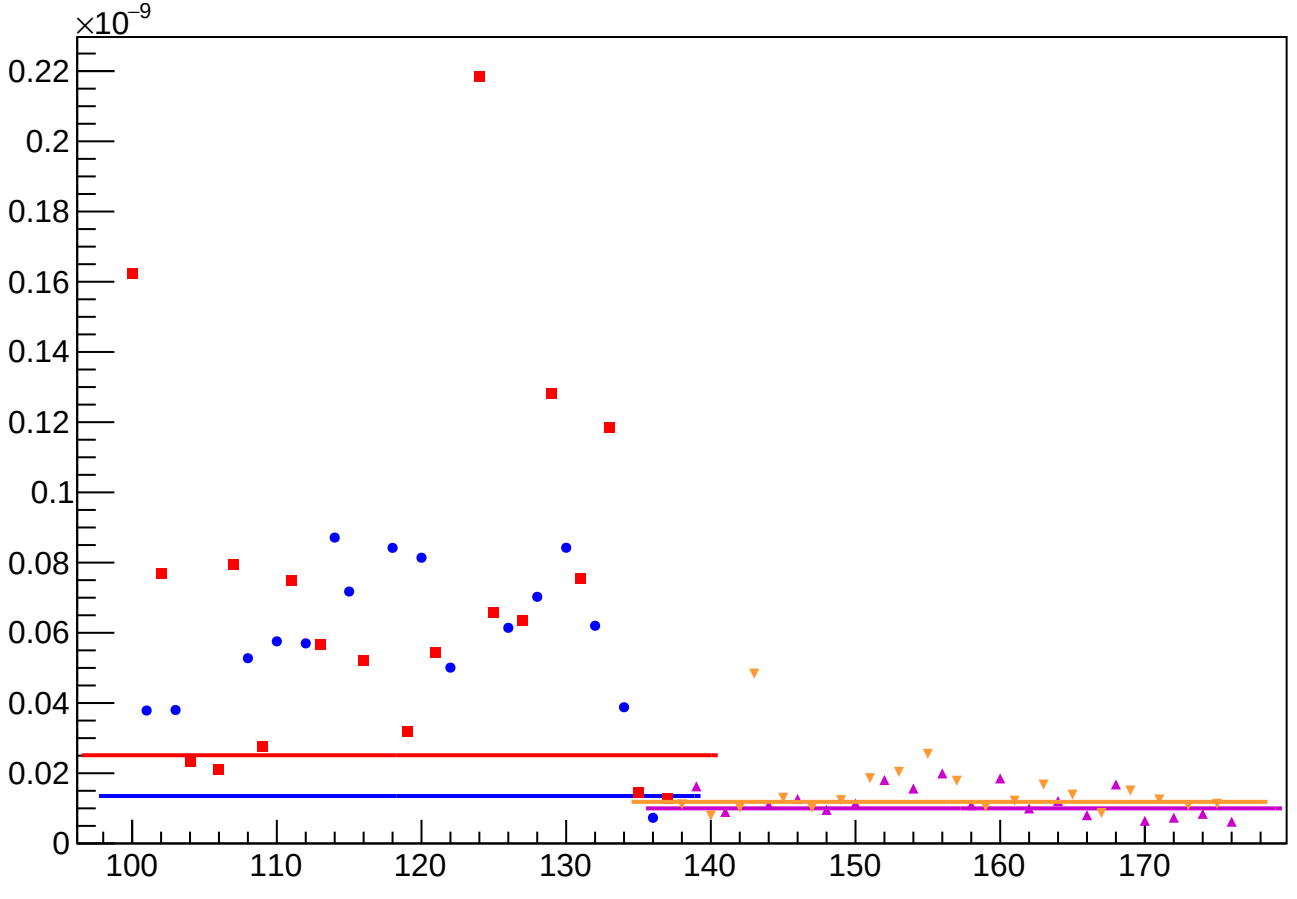
Left: -0.000+/-0.000 χ^2/NDF: 25.1/38

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.9/34

Out: -0.000+/-0.000 χ^2/NDF:39.0/38

All: -0.000+/-0.000 χ^2/NDF: 61.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2148064.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2130396.2/18

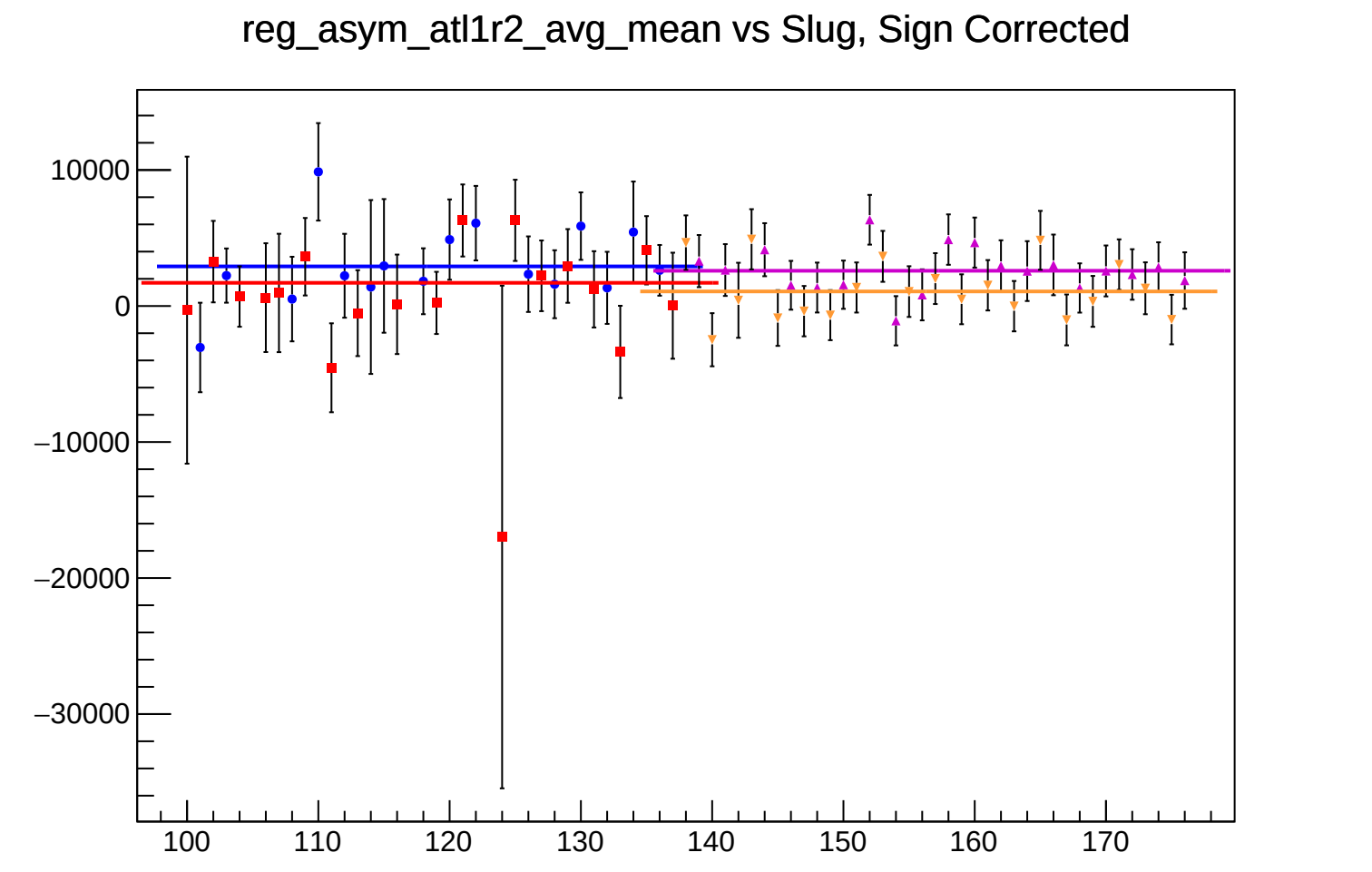
Left: 0.000+/-0.000 χ^2/NDF: 4547925.4/38

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:7335408.9/34

Out: 0.000+/-0.000 χ^2/NDF:7191022.1/38

All: 0.000+/-0.000 χ^2/NDF: 14975413.6/73



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.420+/-431.994 χ^2/NDF:21.5/19

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2591.848+/-433.762 χ^2/NDF:14.7/18

Left: 1829.032+/-306.089 χ^2/NDF: 42.3/38

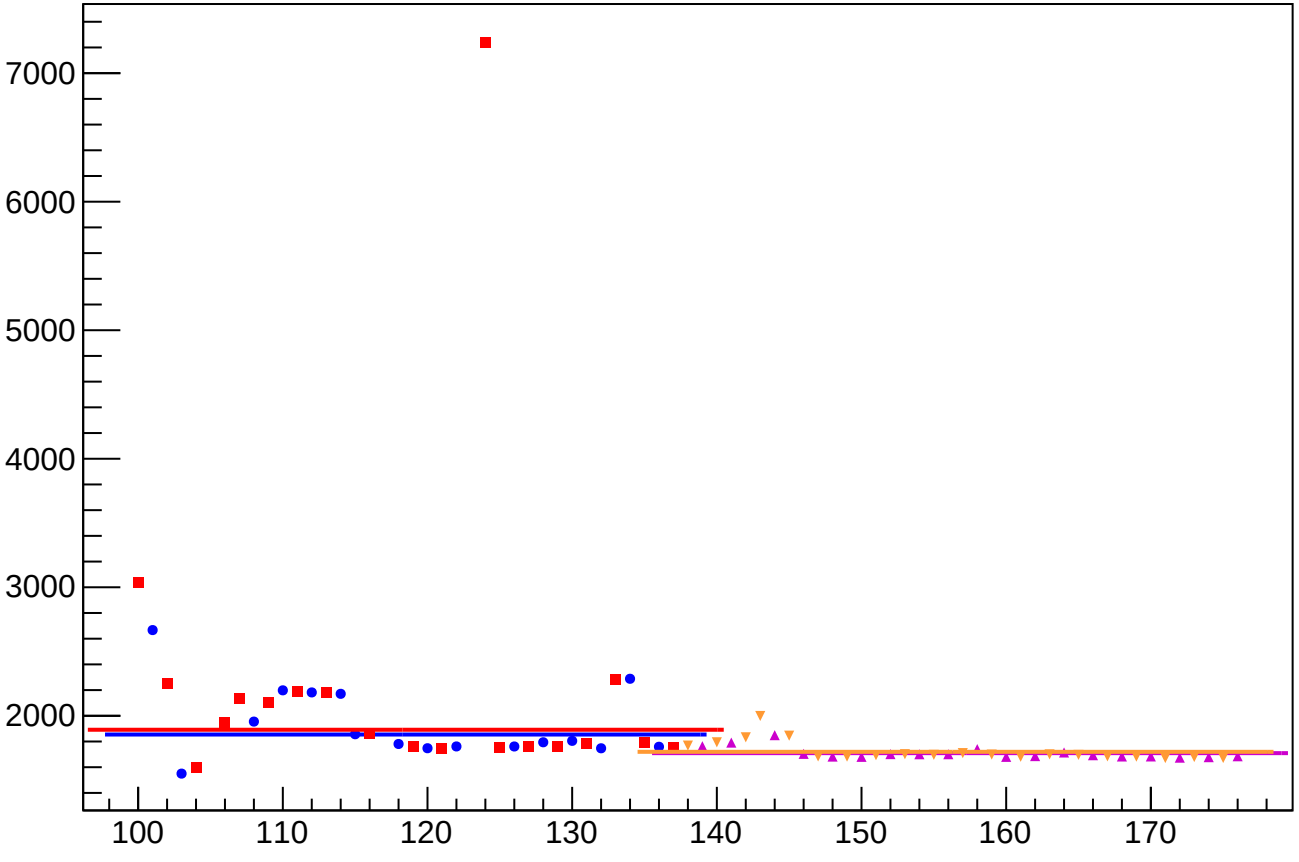
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2681.862+/-367.984 χ^2/NDF:27.3/34

Out: 1244.418+/-368.605 χ^2/NDF:37.9/38

All: 1964.352+/-260.424 χ^2/NDF: 72.8/73

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

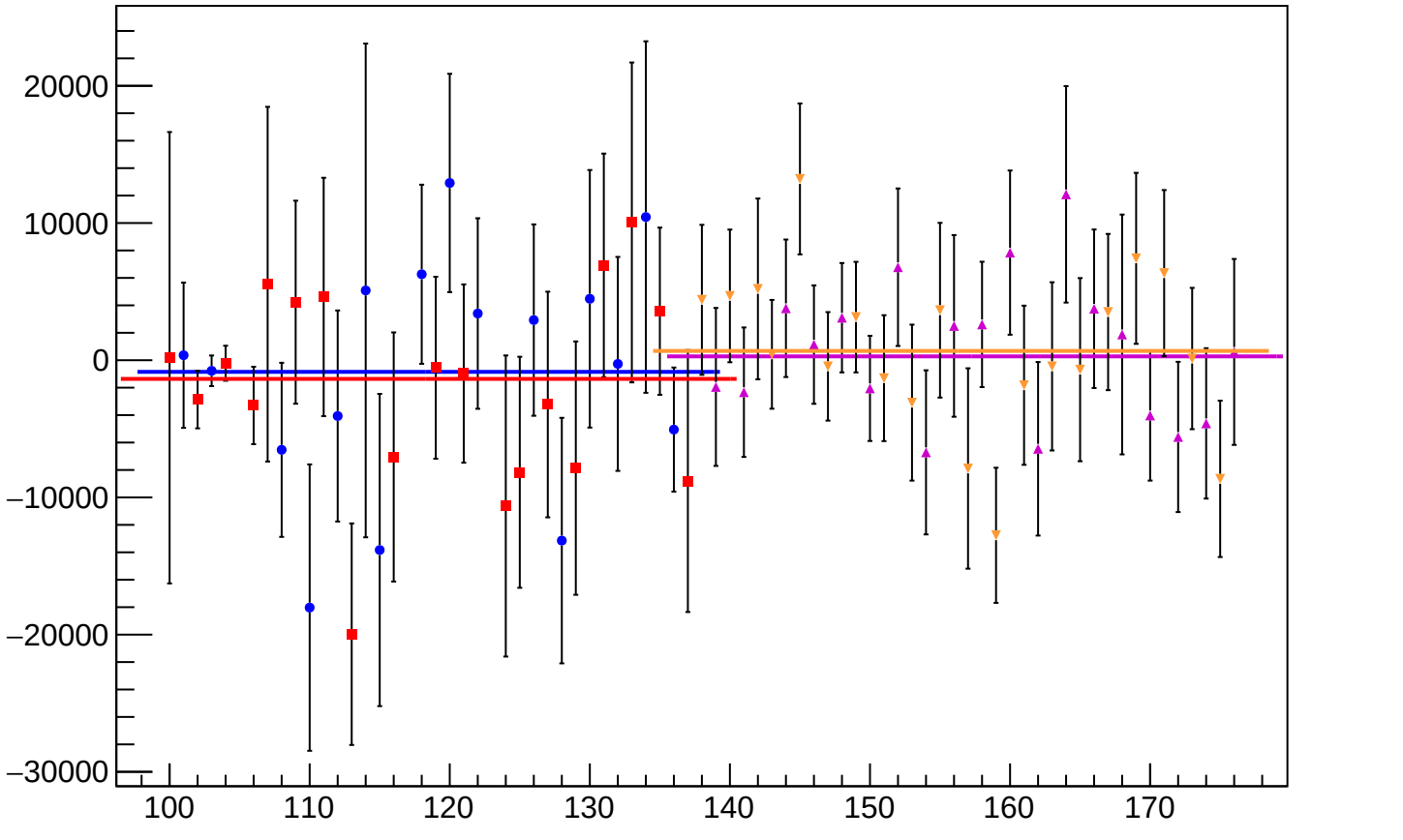
Left: 1714.622+/-0.216 χ^2/NDF: 77139.3/38

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1750.060+/-0.260 χ^2/NDF:346354.3/34

Out: 1766.602+/-0.260 χ^2/NDF:506345.5/38

All: 1758.322+/-0.184 χ^2/NDF: 854718.5/73



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 676.644+/-1181.970 χ^2/NDF:22.2/19

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 278.990+/-1218.577 χ^2/NDF:13.0/18

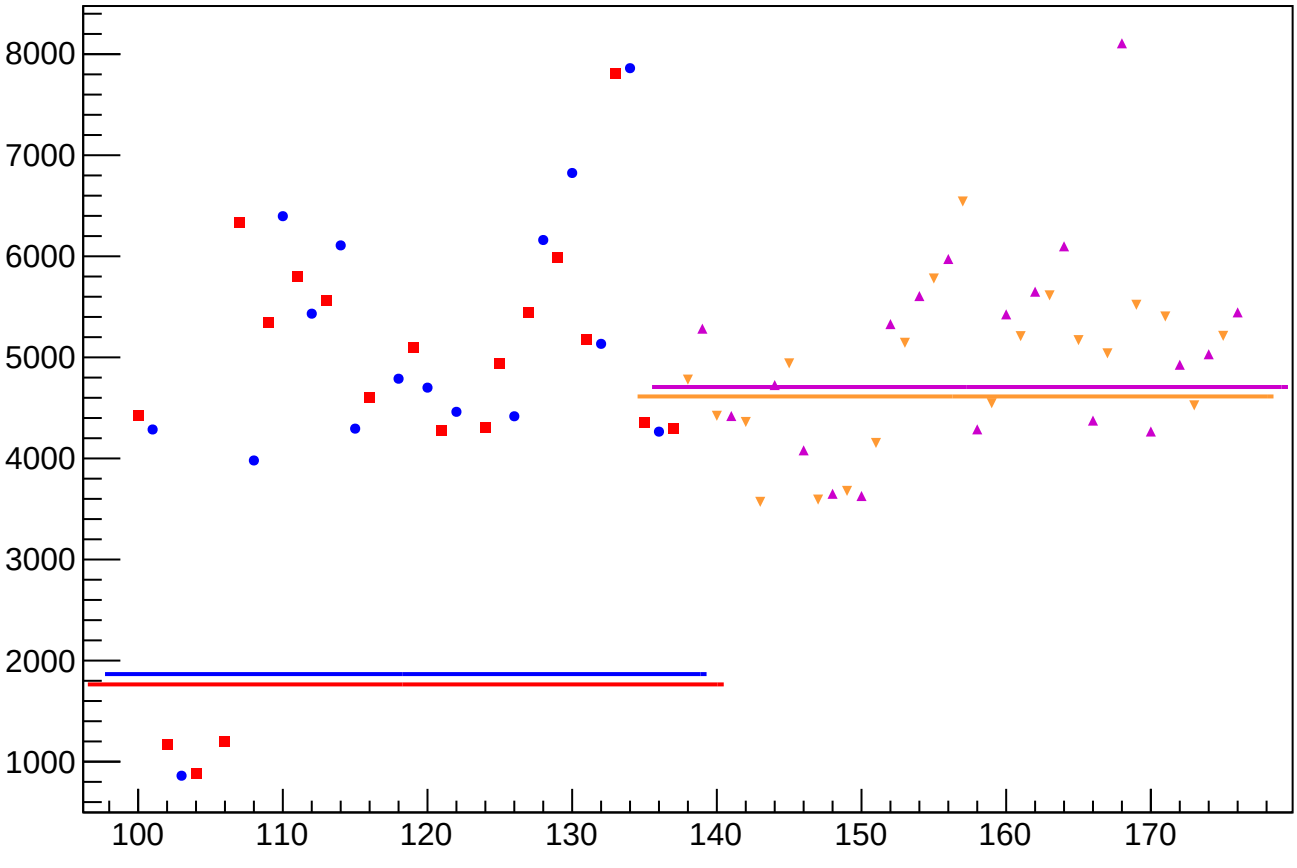
Left: 483.880+/-848.426 χ^2/NDF: 35.3/38

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -414.777+/-755.512 χ^2/NDF:27.4/34

Out: -596.819+/-723.991 χ^2/NDF:38.1/38

All: -509.675+/-522.727 χ^2/NDF: 65.5/73



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4613.306+/-0.836 χ^2/NDF:837642.8/19

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4706.840+/-0.862 χ^2/NDF:1023416.2/18

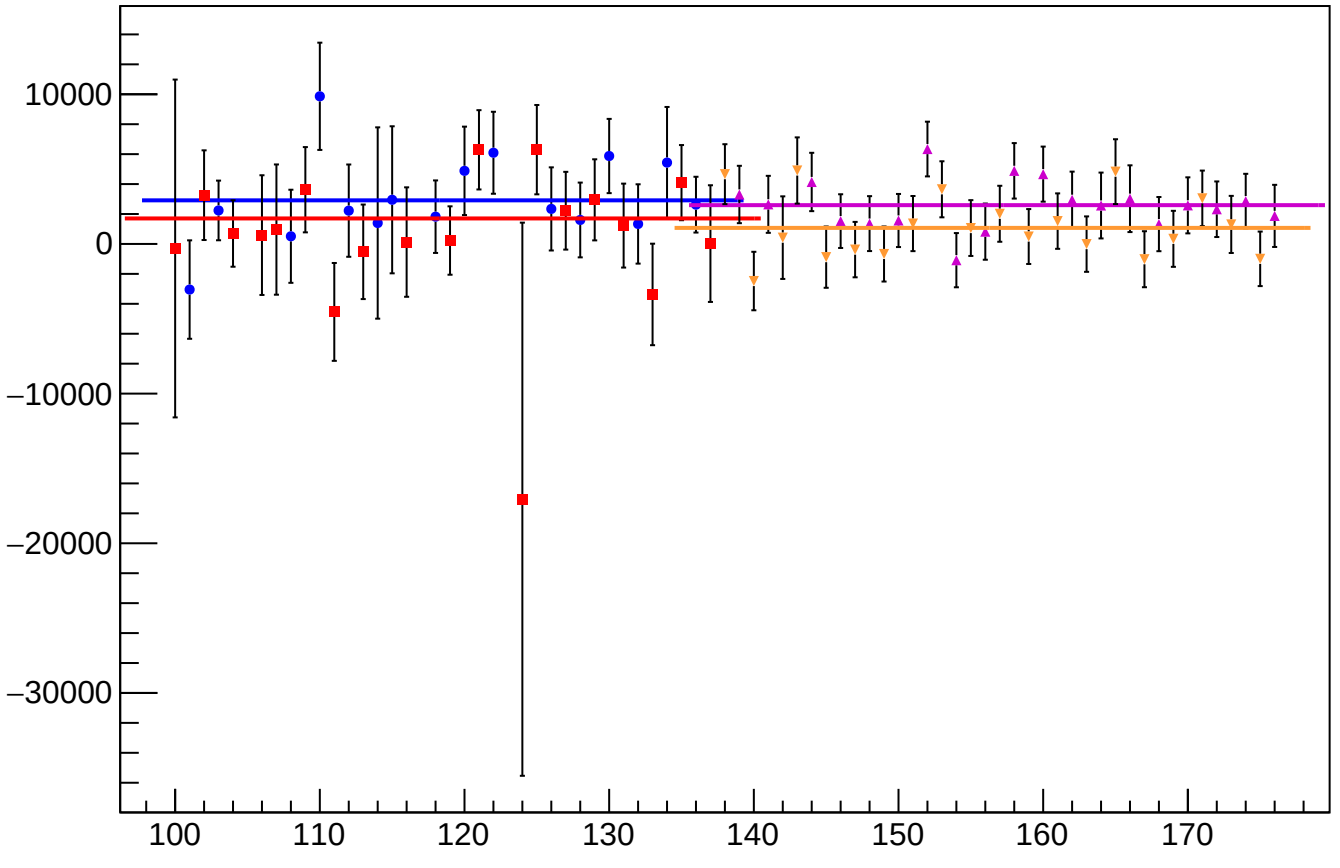
Left: 4658.647+/-0.600 χ^2/NDF: 1867130.3/38

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2958.252+/-0.534 χ^2/NDF:14562596.8/34

Out: 2833.212+/-0.512 χ^2/NDF:14532776.2/38

All: 2893.069+/-0.370 χ^2/NDF: 29123930.8/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2591.826+/-433.762 χ^2/NDF:14.7/18

Left: 1828.967+/-306.089 χ^2/NDF: 42.3/38

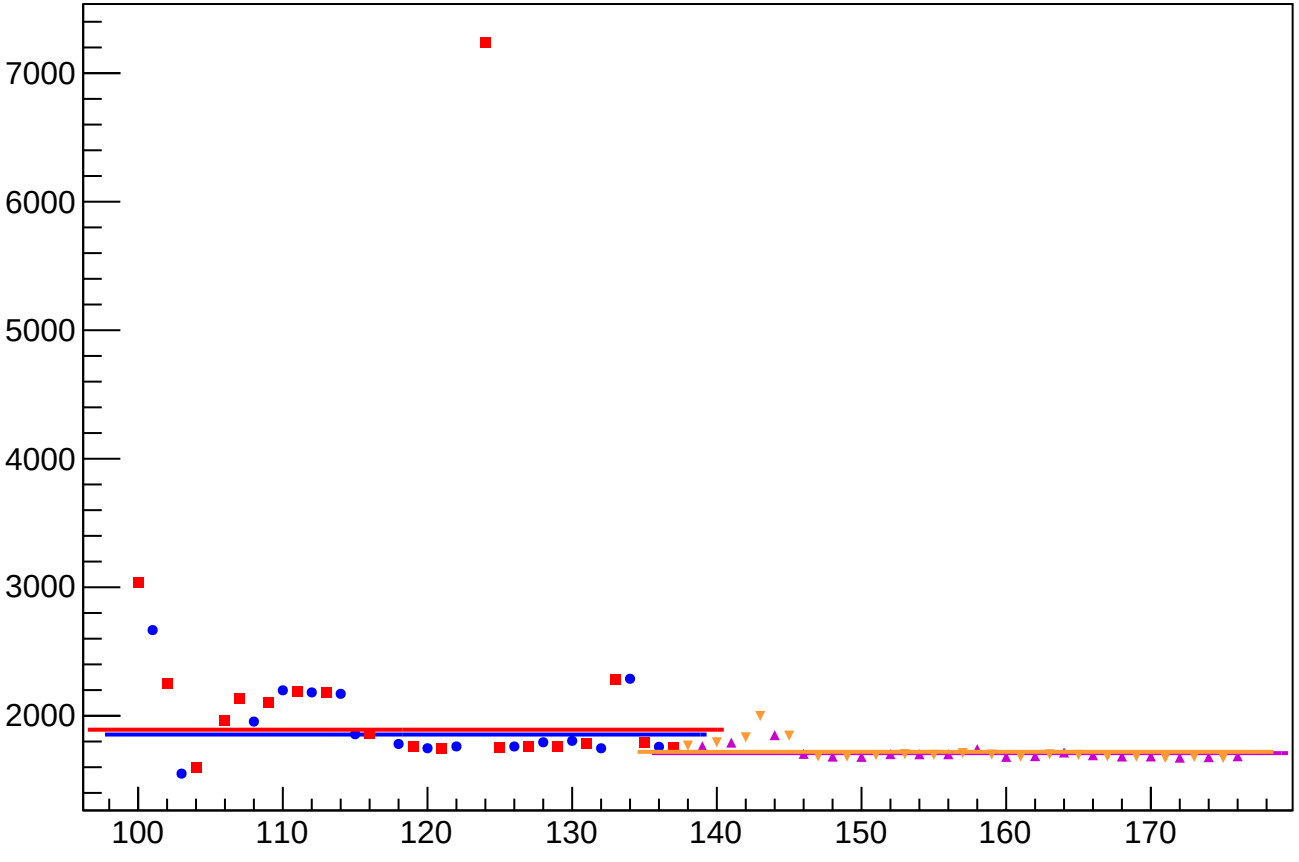
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2681.874+/-367.984 χ^2/NDF:27.2/34

Out: 1243.963+/-368.606 χ^2/NDF:37.9/38

All: 1964.131+/-260.424 χ^2/NDF: 72.8/73

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

Left: 1714.622+/-0.216 χ^2/NDF: 77139.2/38

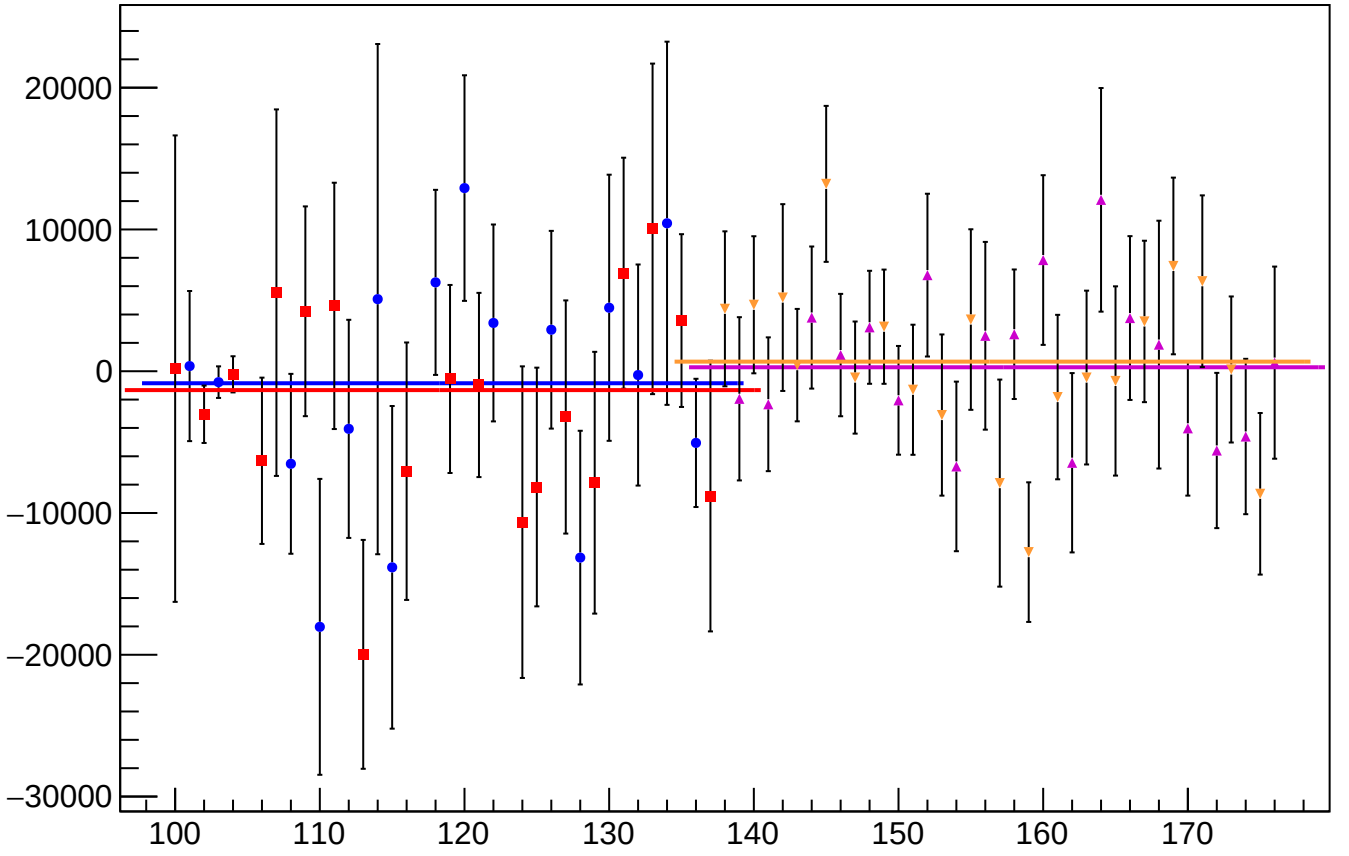
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1750.060+/-0.260 χ^2/NDF:346354.2/34

Out: 1766.711+/-0.260 χ^2/NDF:507019.4/38

All: 1758.376+/-0.184 χ^2/NDF: 855419.0/73

asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 279.051+/-1218.577 χ^2/NDF:13.0/18

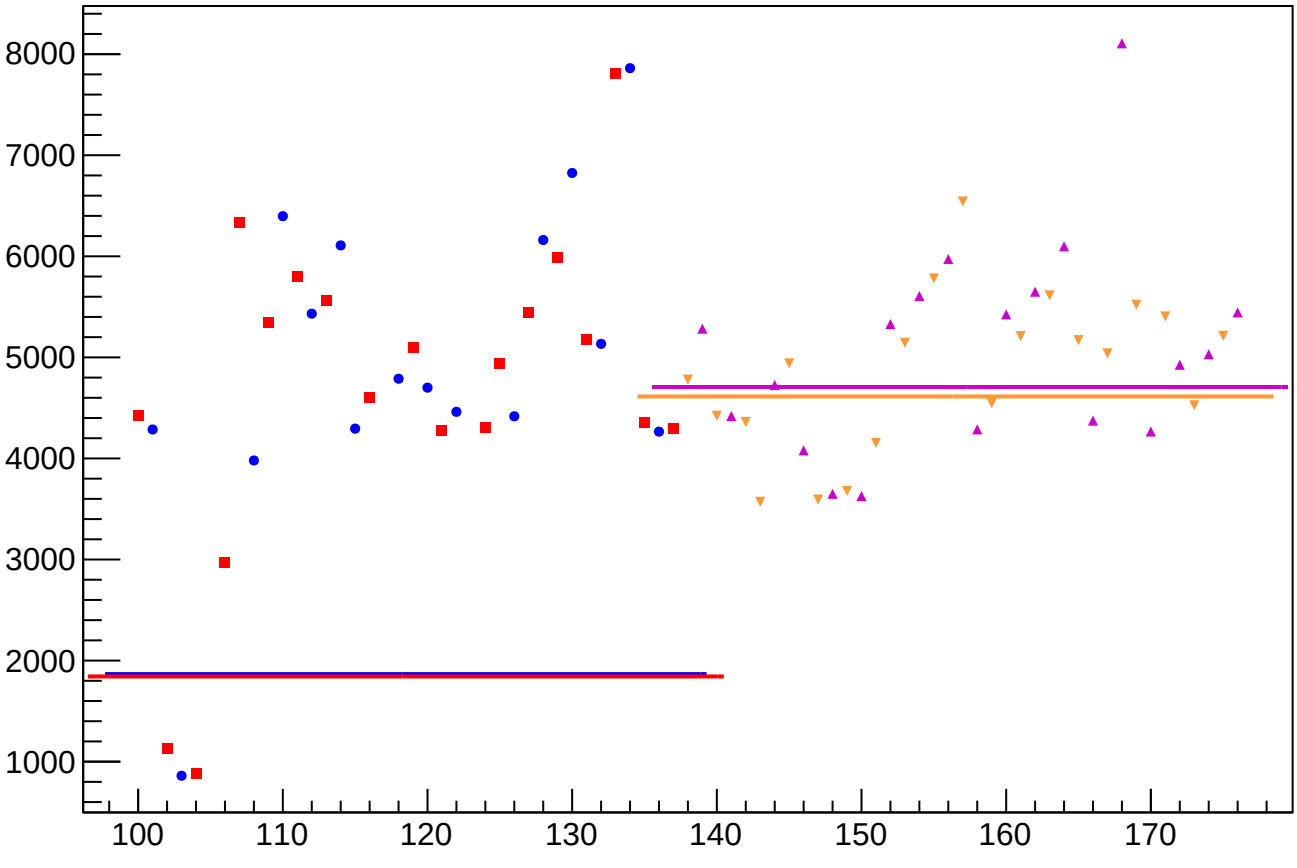
Left: 483.902+/-848.425 χ^2/NDF: 35.3/38

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -414.492+/-755.486 χ^2/NDF:27.4/34

Out: -545.148+/-739.600 χ^2/NDF:38.4/38

All: -481.208+/-528.503 χ^2/NDF: 65.8/73



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

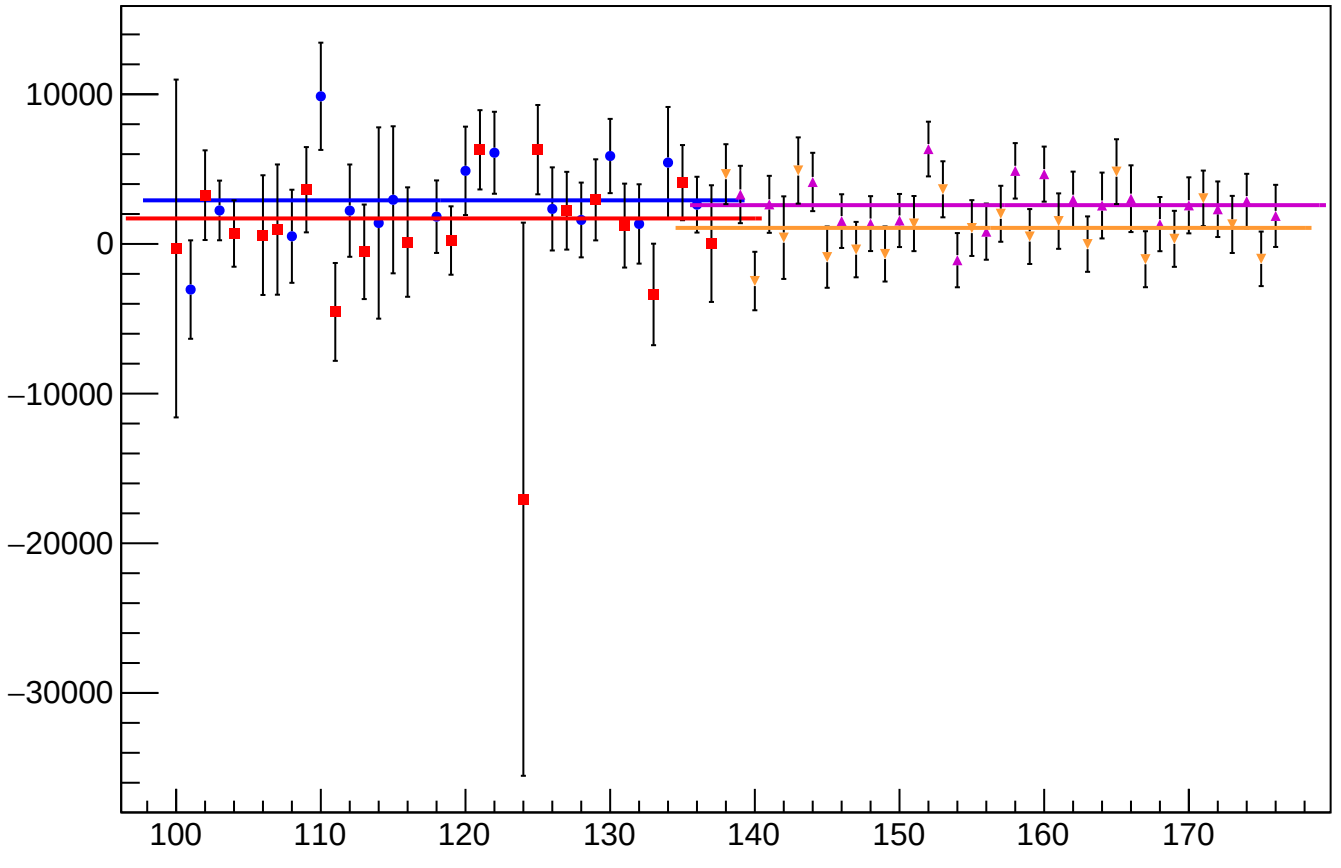
Left: 4658.643+/-0.600 χ^2/NDF: 1867159.7/38

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2958.082+/-0.534 χ^2/NDF:14564037.2/34

Out: 2927.627+/-0.523 χ^2/NDF:13981654.7/38

All: 2942.531+/-0.374 χ^2/NDF: 28547351.5/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1072.312+/-431.994 χ^2/NDF:21.5/19

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2591.826+/-433.762 χ^2/NDF:14.7/18

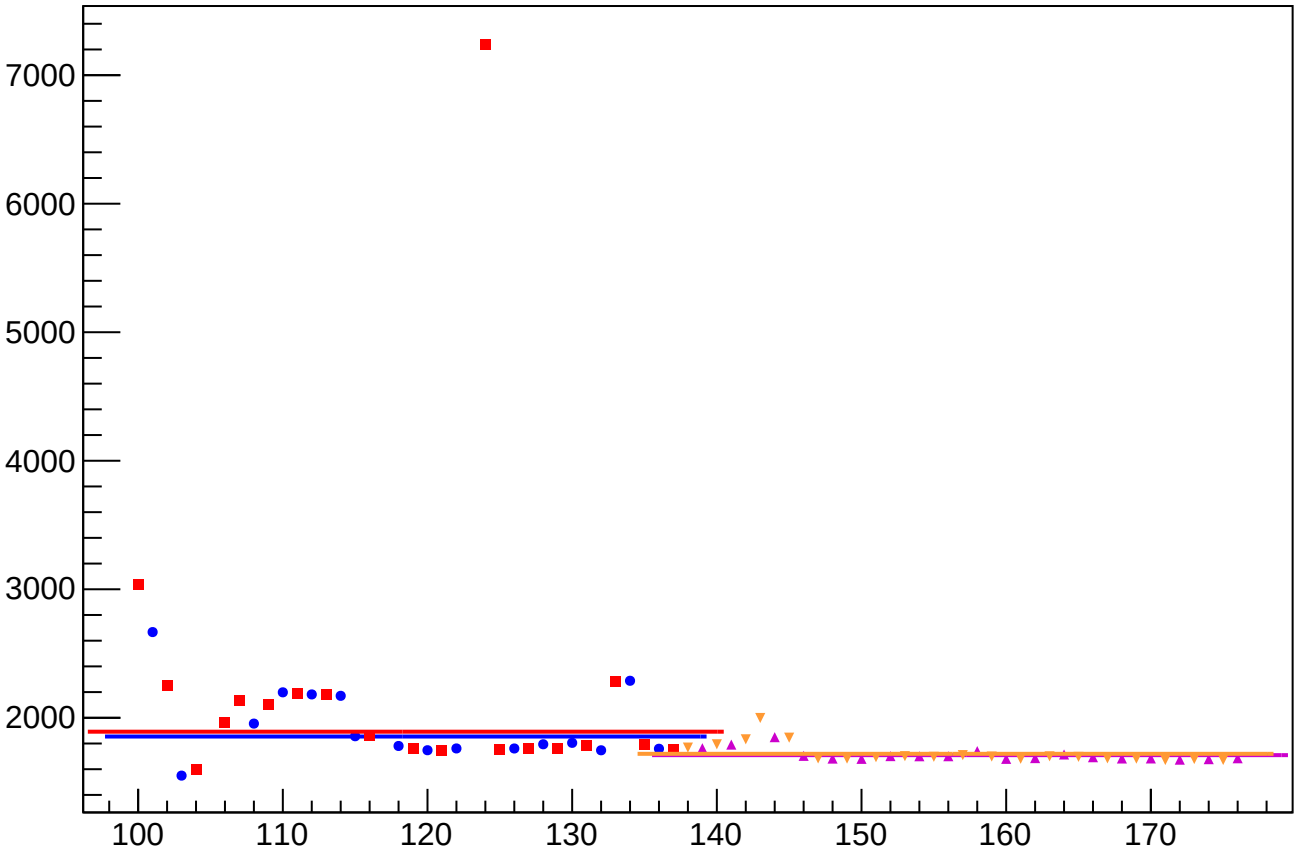
Left: 1828.967+/-306.089 χ^2/NDF: 42.3/38

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2681.874+/-367.984 χ^2/NDF:27.2/34

Out: 1243.963+/-368.606 χ^2/NDF:37.9/38

All: 1964.131+/-260.424 χ^2/NDF: 72.8/73



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1719.745+/-0.305 χ^2/NDF:56061.6/19

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

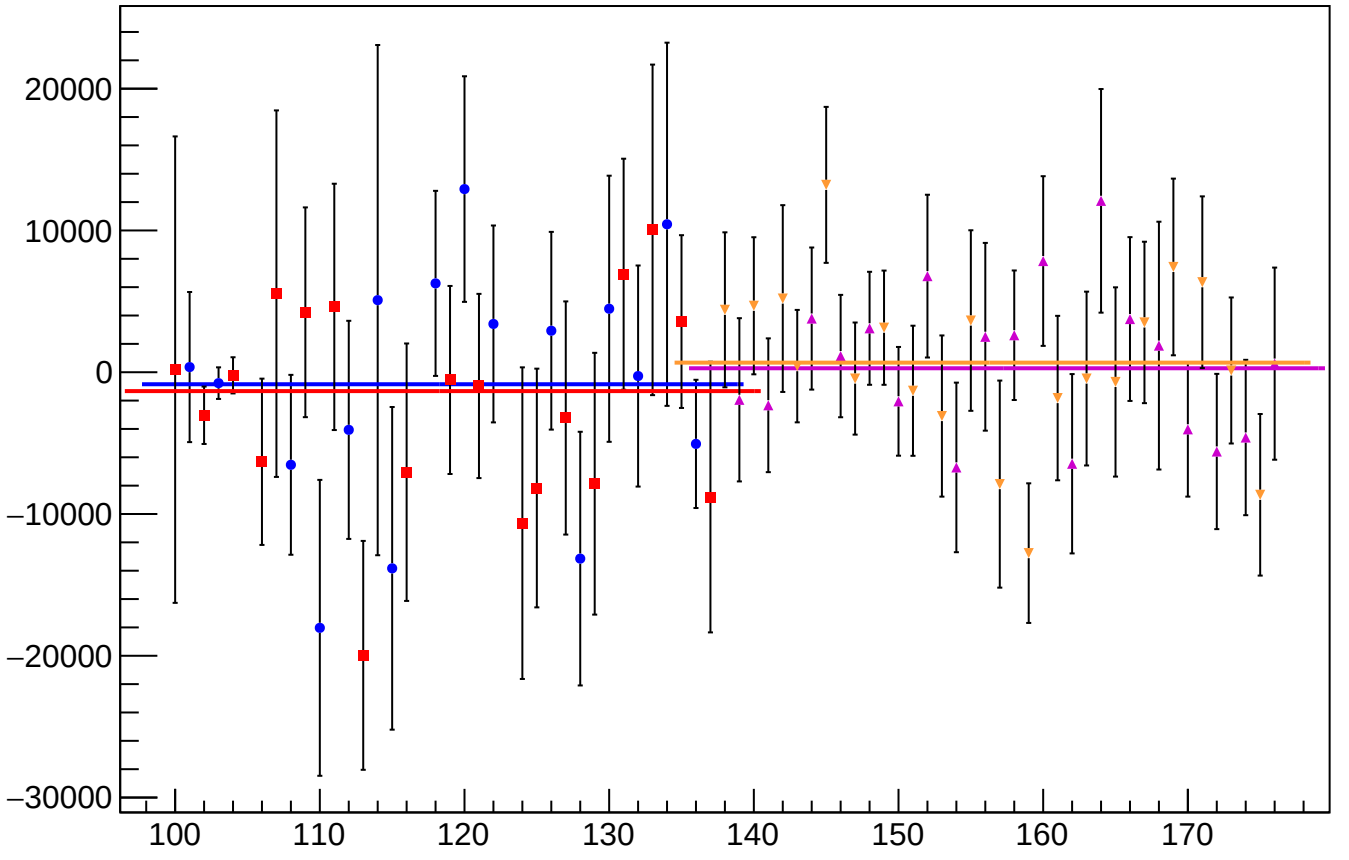
Left: 1714.622+/-0.216 χ^2/NDF: 77139.2/38

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1750.060+/-0.260 χ^2/NDF:346354.2/34

Out: 1766.711+/-0.260 χ^2/NDF:507019.4/38

All: 1758.376+/-0.184 χ^2/NDF: 855419.0/73



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 676.629+/-1181.968 χ^2/NDF:22.2/19

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 279.051+/-1218.577 χ^2/NDF:13.0/18

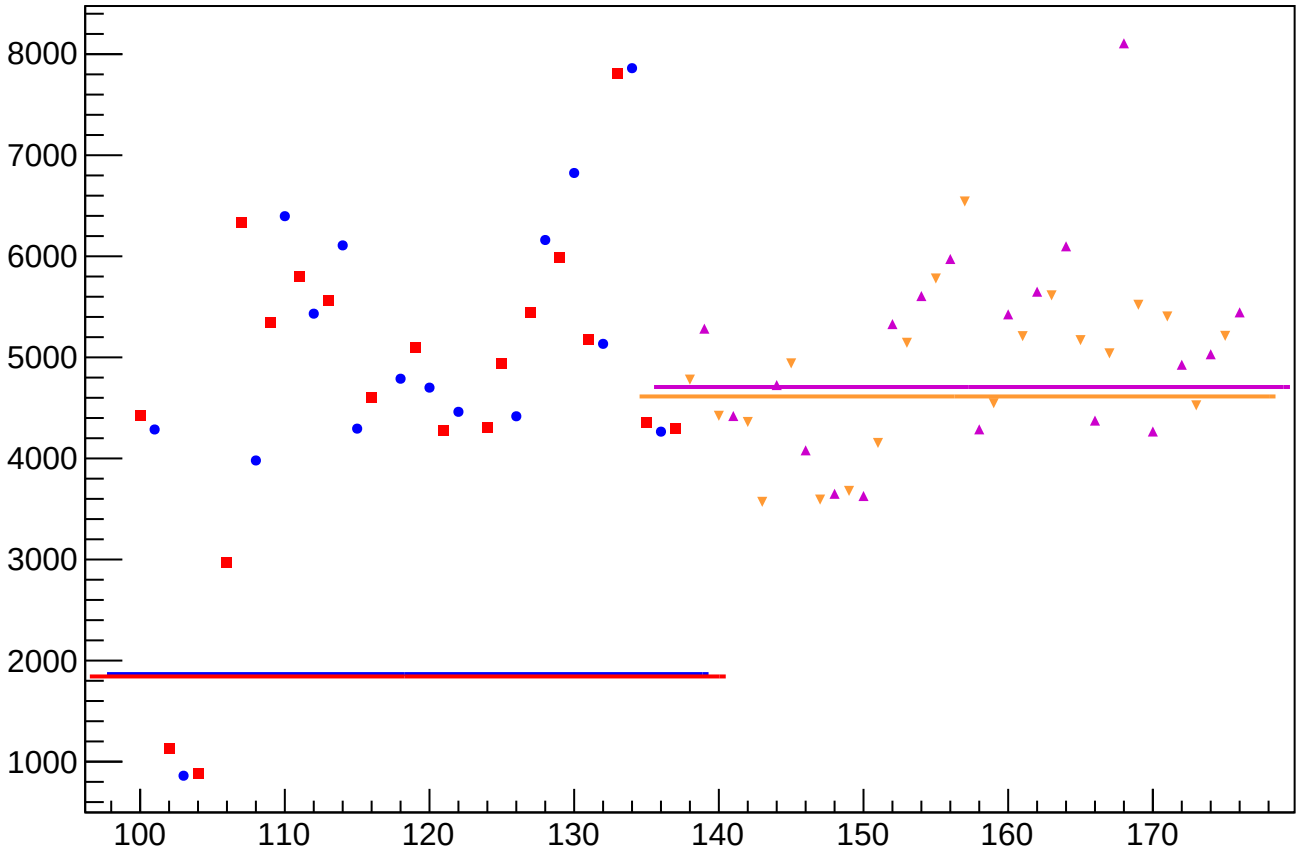
Left: 483.902+/-848.425 χ^2/NDF: 35.3/38

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -414.492+/-755.486 χ^2/NDF:27.4/34

Out: -545.148+/-739.600 χ^2/NDF:38.4/38

All: -481.208+/-528.503 χ^2/NDF: 65.8/73



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4613.299+/-0.836 χ^2/NDF:837654.8/19

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

Left: 4658.643+/-0.600 χ^2/NDF: 1867159.7/38

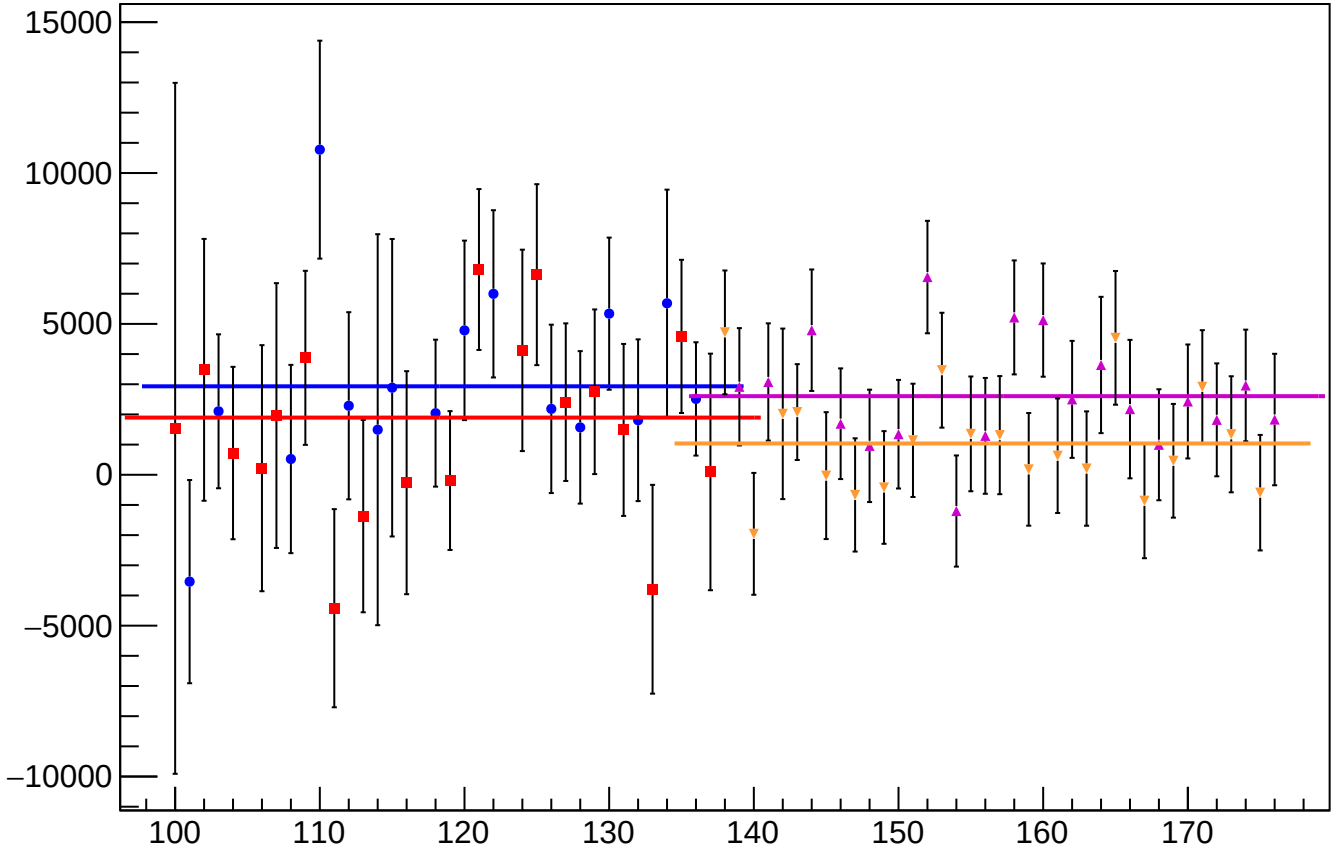
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2958.082+/-0.534 χ^2/NDF:14564037.2/34

Out: 2927.627+/-0.523 χ^2/NDF:13981654.7/38

All: 2942.531+/-0.374 χ^2/NDF: 28547351.5/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.536+/-433.085 χ^2/NDF:15.1/19

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2605.397+/-442.560 χ^2/NDF:17.1/18

Left: 1804.502+/-309.533 χ^2/NDF: 38.6/38

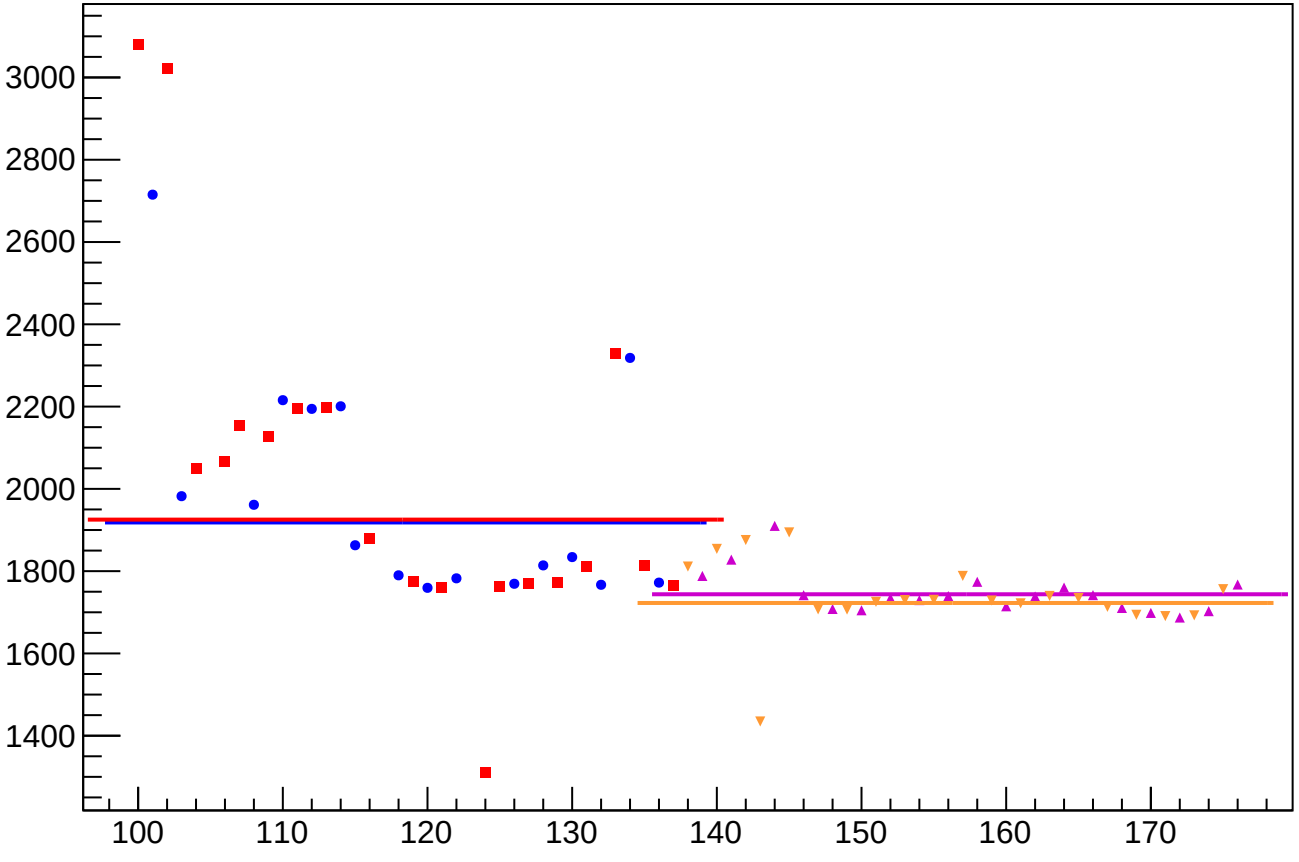
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2695.177+/-376.787 χ^2/NDF:30.2/34

Out: 1264.578+/-371.387 χ^2/NDF:33.6/38

All: 1969.553+/-264.499 χ^2/NDF: 71.1/73

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.662+/-0.306 χ^2/NDF:102246.3/19

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1743.824+/-0.313 χ^2/NDF:26272.9/18

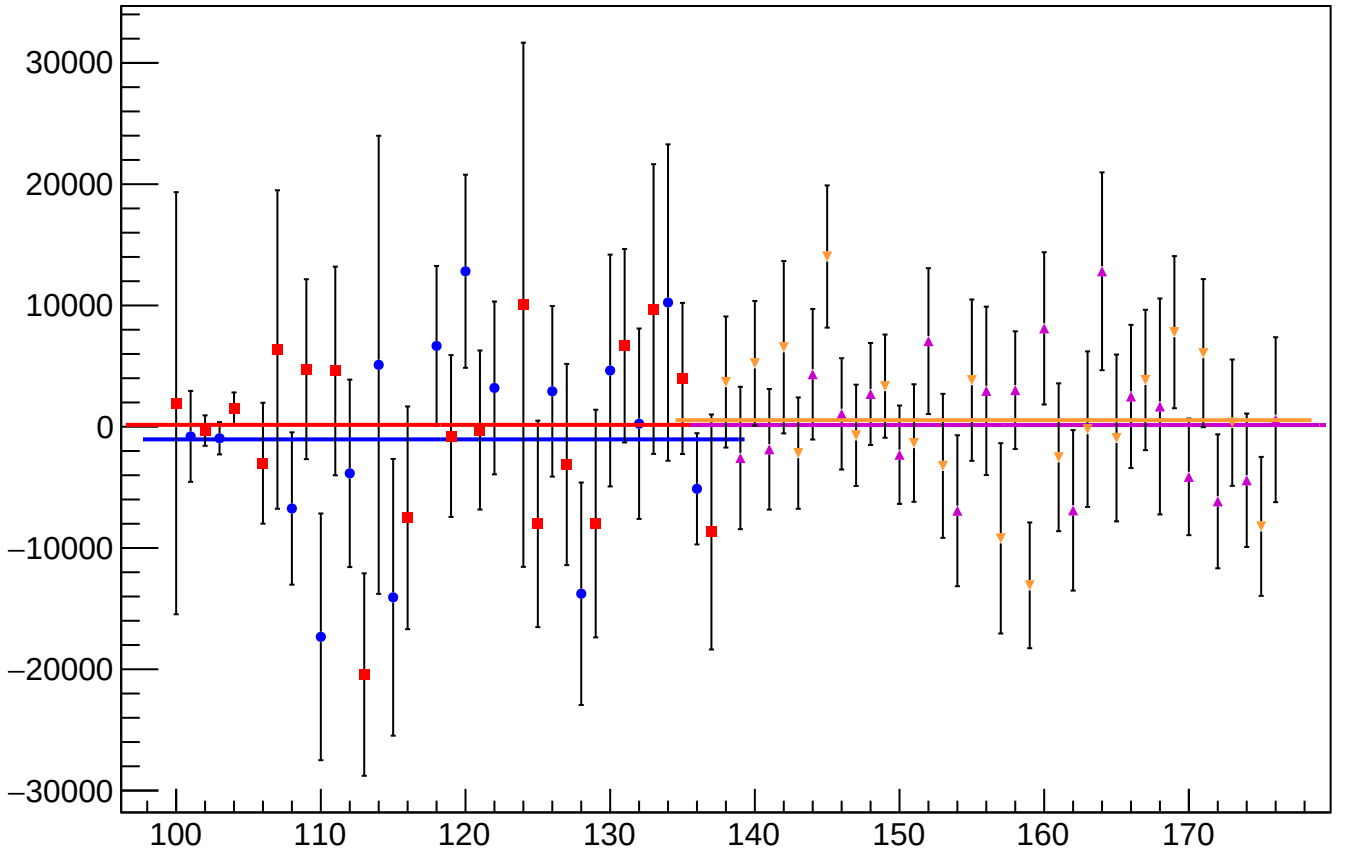
Left: 1733.014+/-0.219 χ^2/NDF: 130855.1/38

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1791.850+/-0.266 χ^2/NDF:327463.6/34

Out: 1776.340+/-0.263 χ^2/NDF:557302.4/38

All: 1783.981+/-0.187 χ^2/NDF: 886485.4/73



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 540.623+/-1240.542 χ^2/NDF:22.4/19

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 141.832+/-1269.223 χ^2/NDF:13.0/18

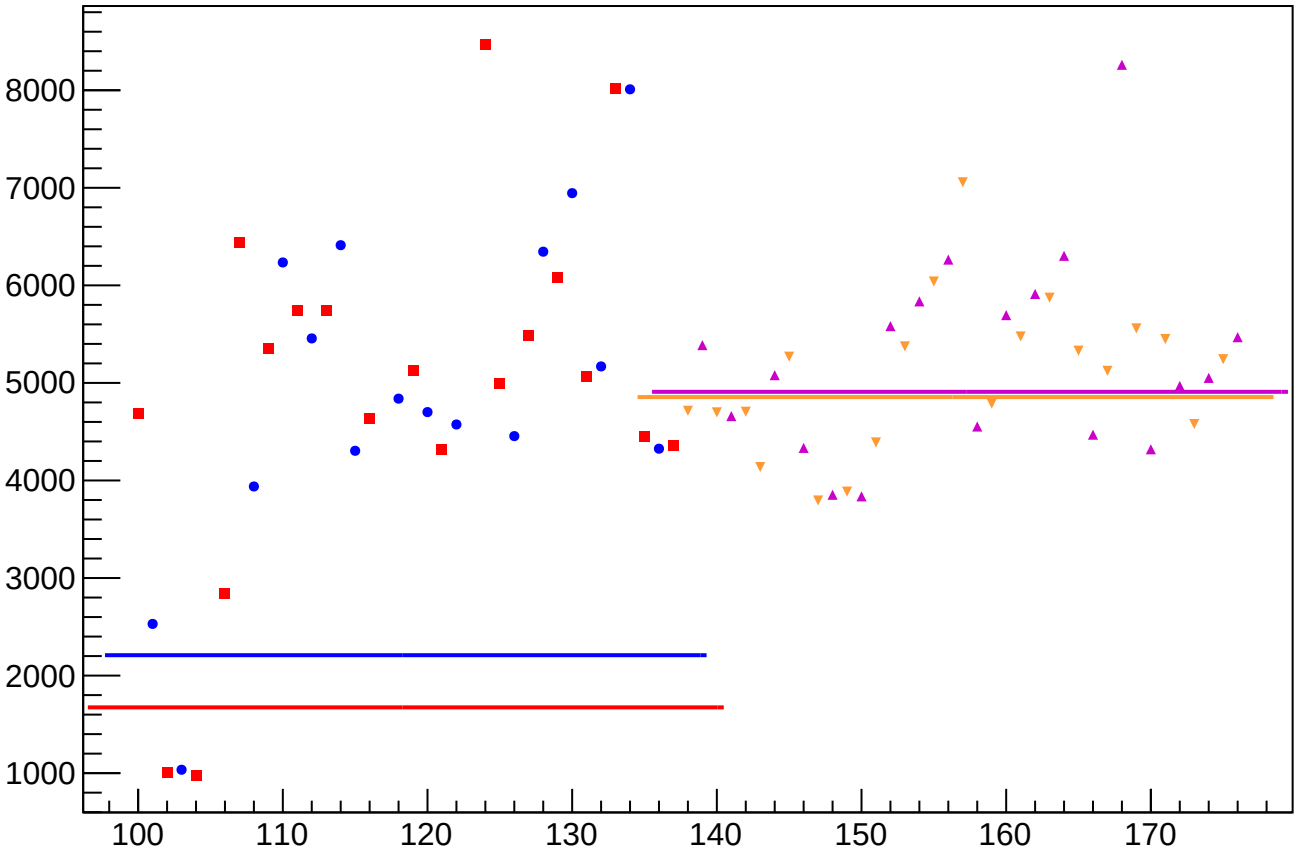
Left: 345.784+/-887.162 χ^2/NDF: 35.5/38

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -548.835+/-819.154 χ^2/NDF:27.4/34

Out: 274.415+/-693.075 χ^2/NDF:36.2/38

All: -69.047+/-529.101 χ^2/NDF: 64.2/73



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4854.869+/-0.877 χ^2/NDF:694584.8/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4908.748+/-0.897 χ^2/NDF:949043.5/18

Left: 4881.193+/-0.627 χ^2/NDF: 1645471.6/38

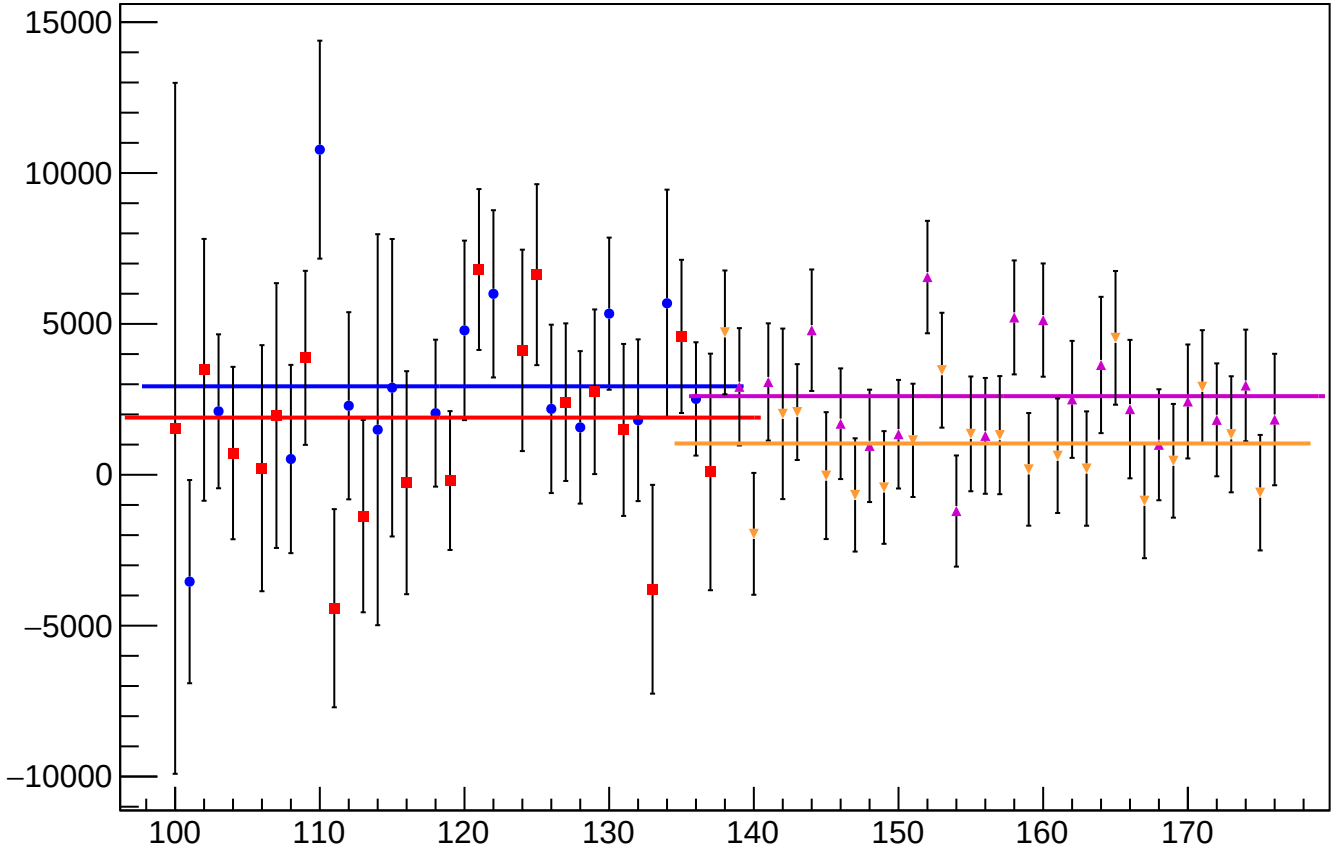
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3333.497+/-0.579 χ^2/NDF:11728144.5/34

Out: 2666.960+/-0.490 χ^2/NDF:16591787.3/38

All: 2945.041+/-0.374 χ^2/NDF: 29091662.7/7

eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1037.529+/-433.085 χ^2/NDF:15.1/19

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2605.400+/-442.561 χ^2/NDF:17.1/18

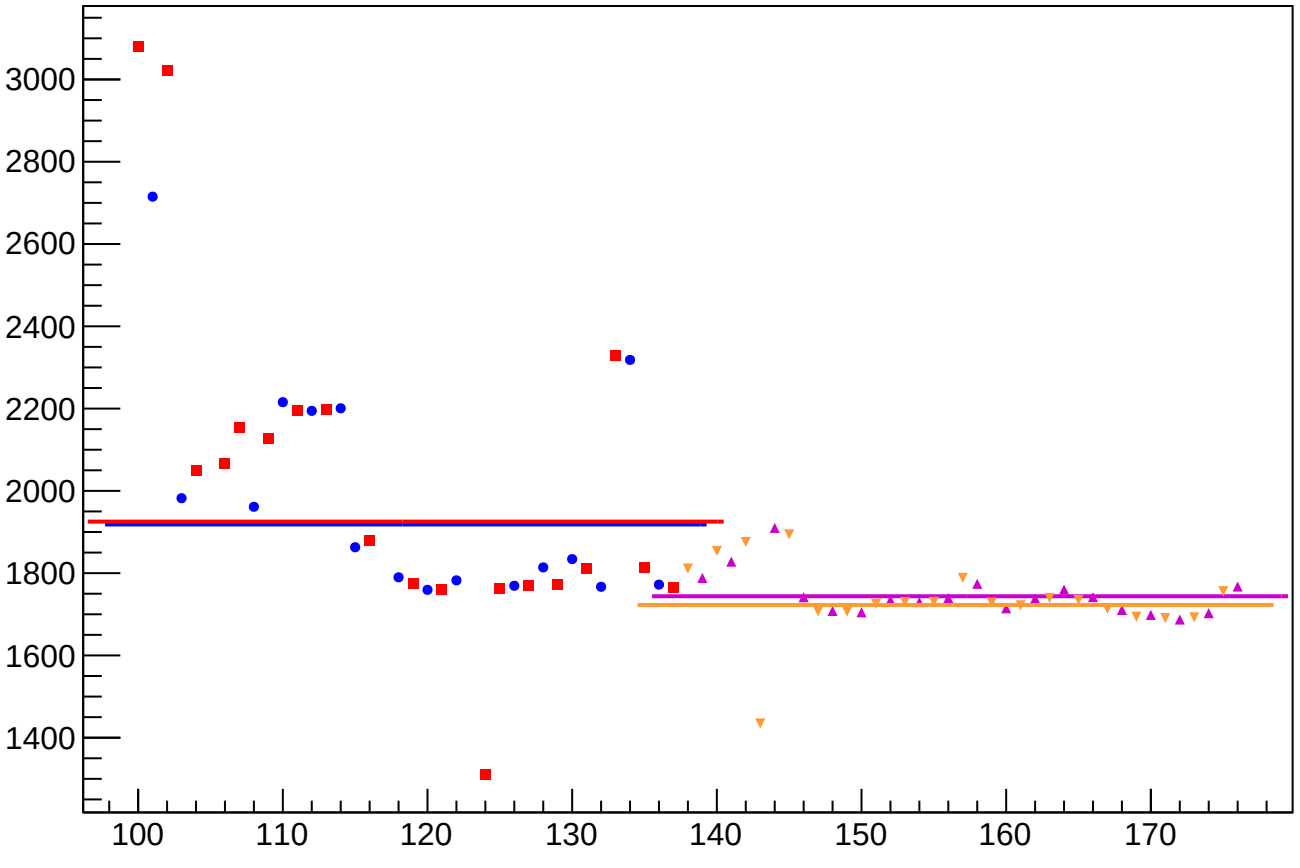
Left: 1804.500+/-309.533 χ^2/NDF: 38.6/38

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2695.180+/-376.787 χ^2/NDF:30.2/34

Out: 1264.574+/-371.387 χ^2/NDF:33.6/38

All: 1969.552+/-264.499 χ^2/NDF: 71.1/73



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.663+/-0.306 χ^2/NDF:102245.5/19

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1743.825+/-0.313 χ^2/NDF:26272.9/18

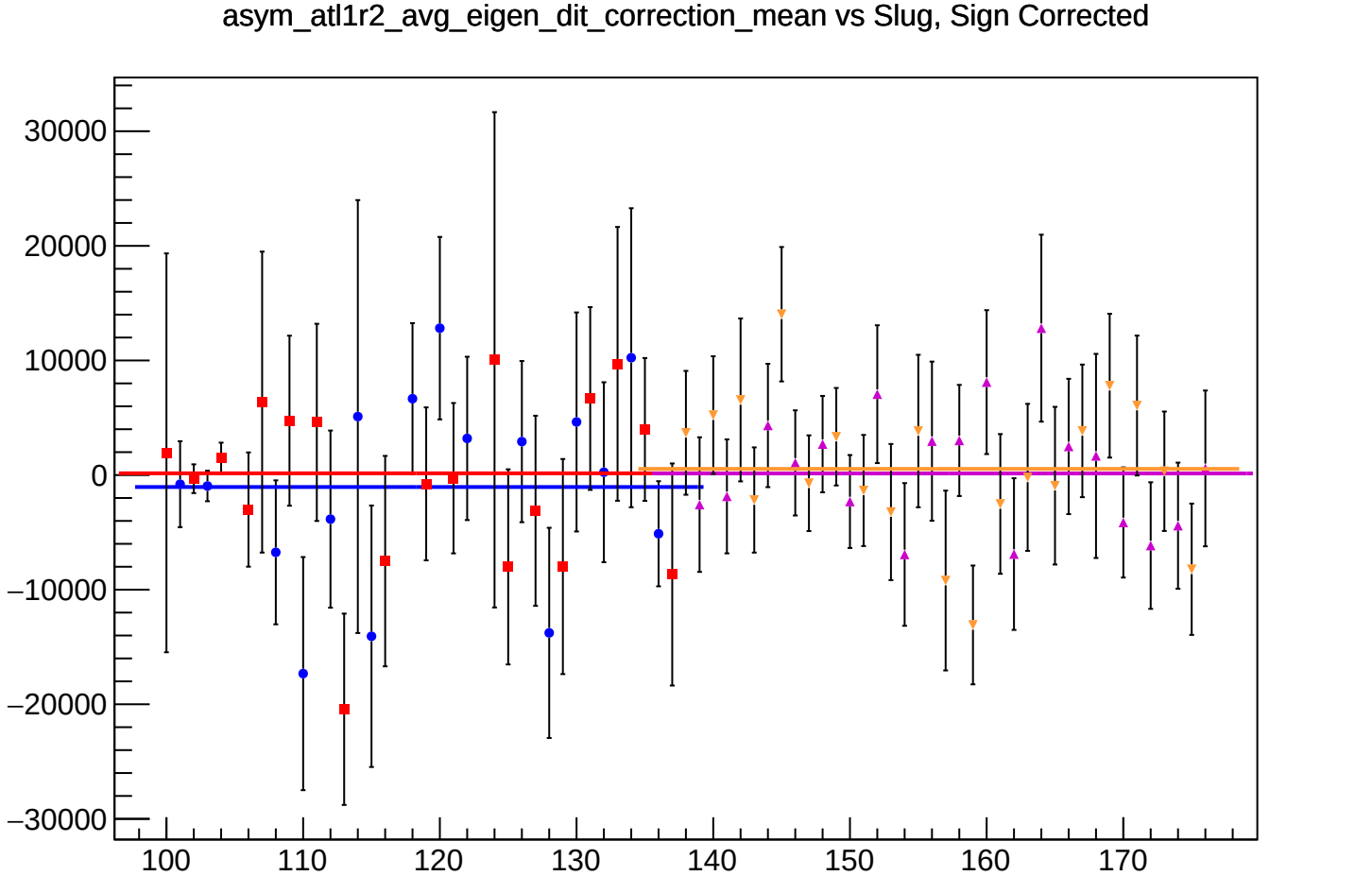
Left: 1733.015+/-0.219 χ^2/NDF: 130854.3/38

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1791.851+/-0.266 χ^2/NDF:327462.3/34

Out: 1776.340+/-0.263 χ^2/NDF:557298.9/38

All: 1783.982+/-0.187 χ^2/NDF: 886480.4/73



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 540.621+/-1240.544 χ^2/NDF:22.4/19

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 141.830+/-1269.225 χ^2/NDF:13.0/18

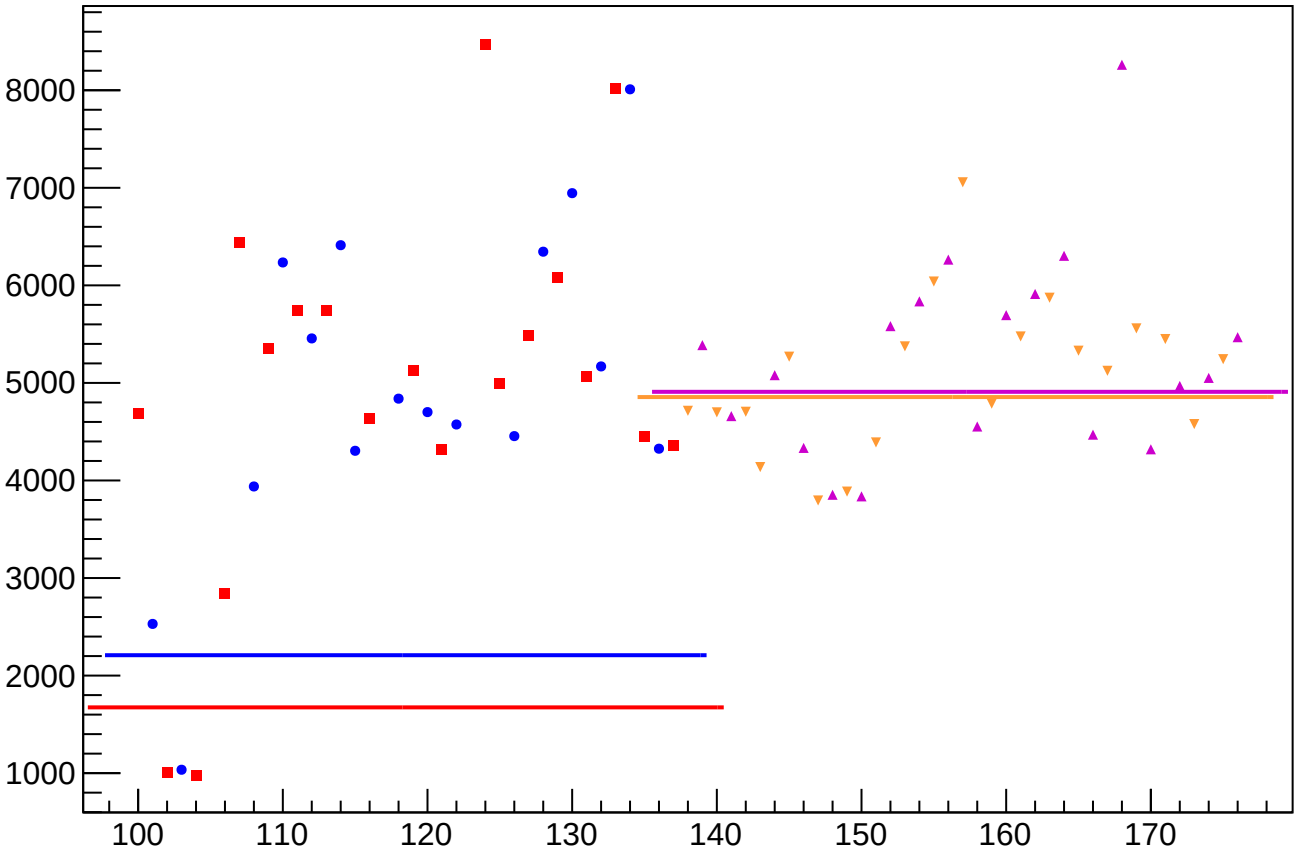
Left: 345.782+/-887.164 χ^2/NDF: 35.5/38

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -548.836+/-819.154 χ^2/NDF:27.4/34

Out: 274.411+/-693.075 χ^2/NDF:36.2/38

All: -69.050+/-529.101 χ^2/NDF: 64.2/73



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4854.877+/-0.877 χ^2/NDF:694584.2/19

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4908.756+/-0.897 χ^2/NDF:949044.1/18

Left: 4881.201+/-0.627 χ^2/NDF: 1645471.4/38

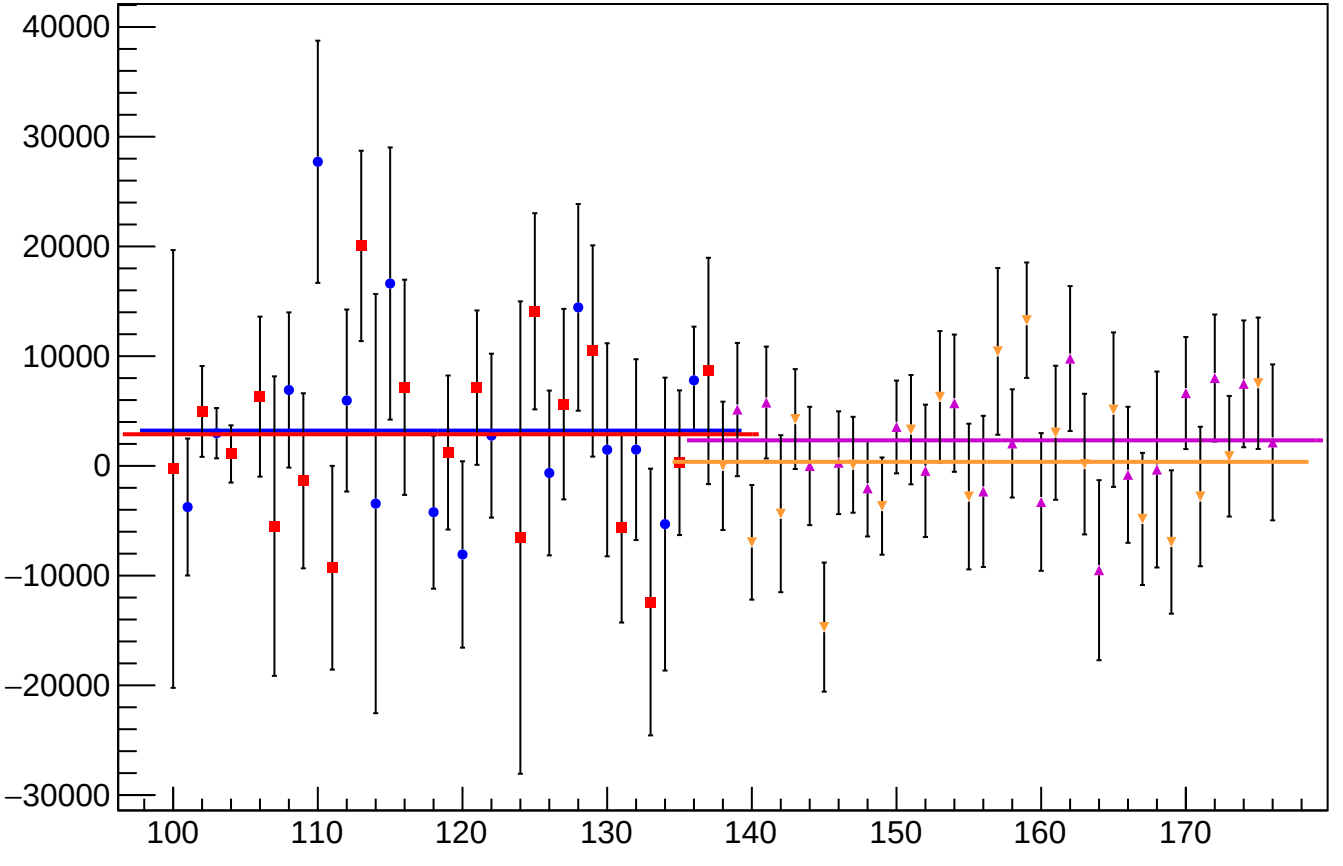
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3333.497+/-0.579 χ^2/NDF:11728164.3/34

Out: 2666.959+/-0.490 χ^2/NDF:16591808.8/38

All: 2945.041+/-0.374 χ^2/NDF: 29091704.6/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 367.810+/-1271.809 χ^2/NDF:24.2/19

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2328.525+/-1303.786 χ^2/NDF:10.1/18

Left: 1323.828+/-910.400 χ^2/NDF: 35.4/38

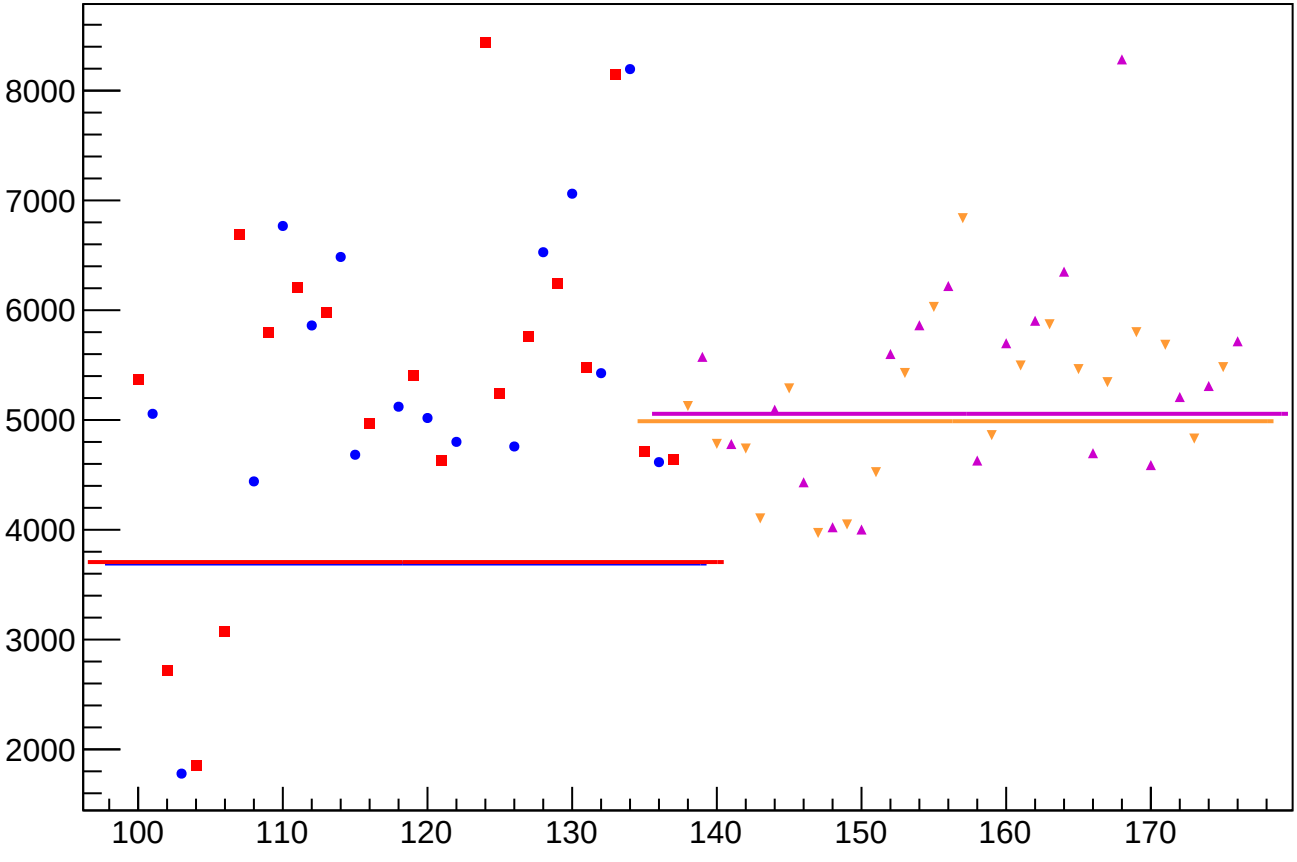
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2699.130+/-994.867 χ^2/NDF:24.1/34

Out: 1378.341+/-983.738 χ^2/NDF:39.2/38

All: 2031.307+/-699.509 χ^2/NDF: 64.1/73

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4988.903+/-0.899 χ^2/NDF:620788.0/19

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5056.314+/-0.922 χ^2/NDF:823605.4/18

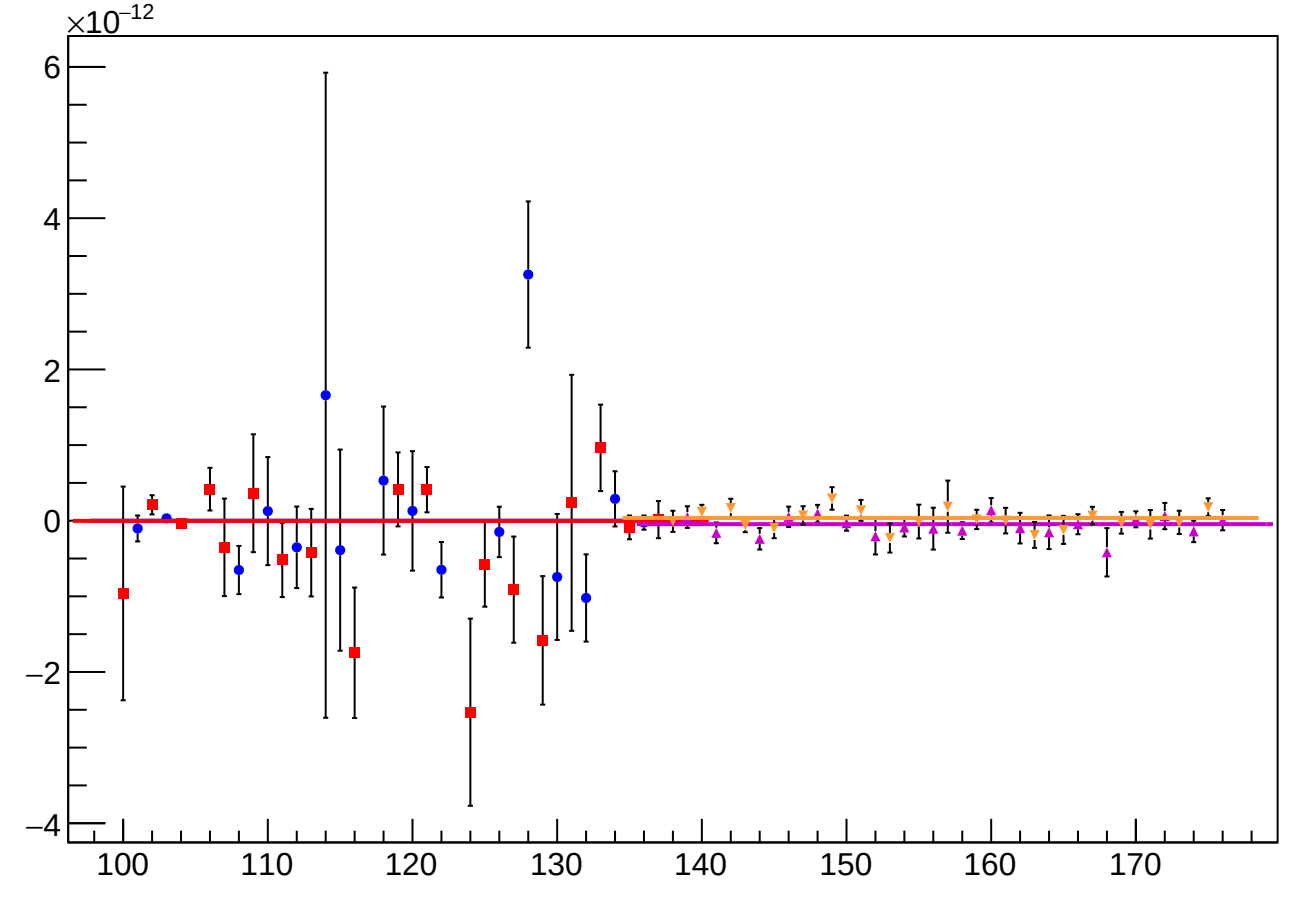
Left: 5021.772+/-0.644 χ^2/NDF: 1447133.0/38

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4486.727+/-0.703 χ^2/NDF:4623023.2/34

Out: 4467.388+/-0.693 χ^2/NDF:4132533.2/38

All: 4476.910+/-0.494 χ^2/NDF: 8755940.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/18

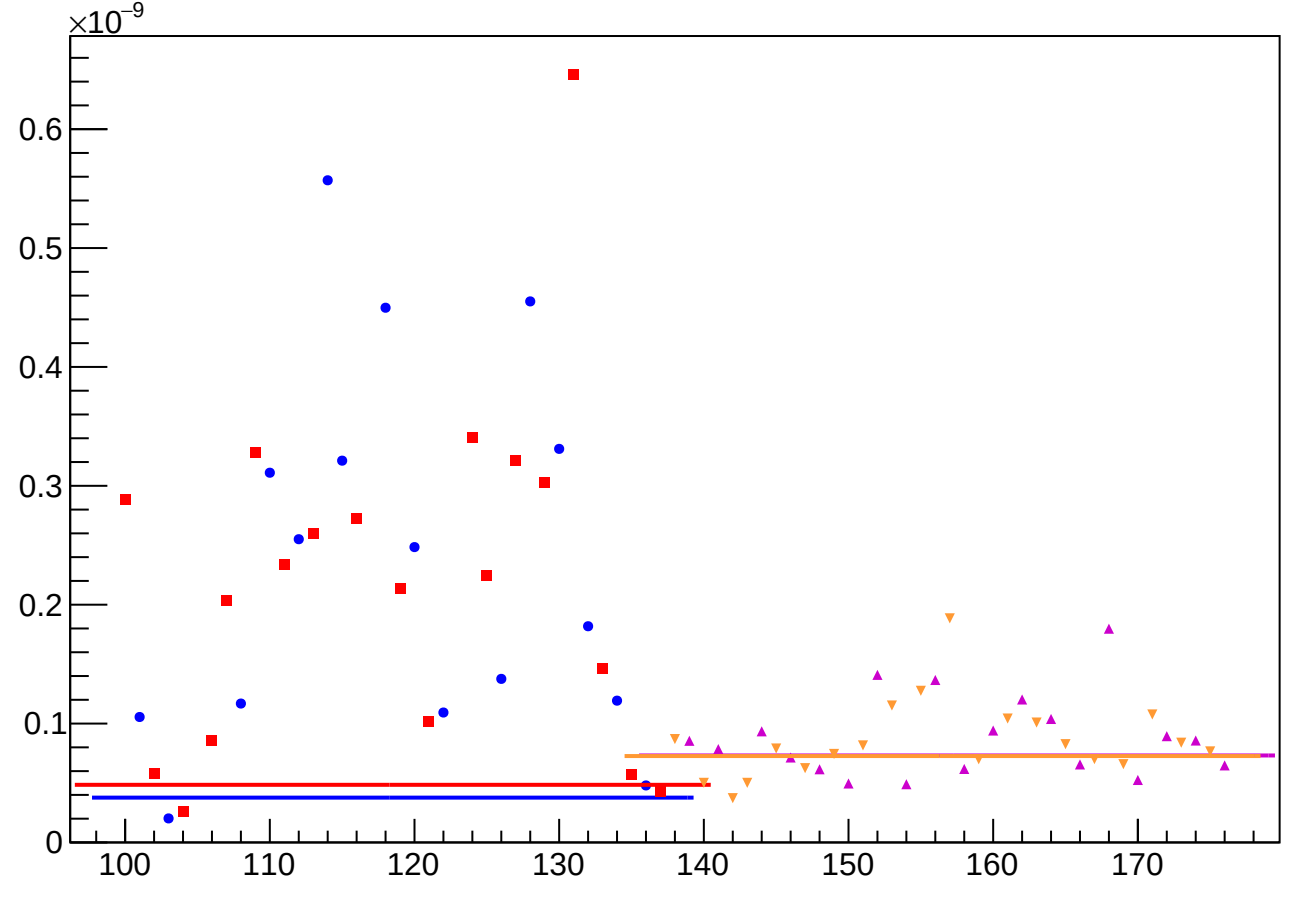
Left: -0.000+/-0.000 χ^2/NDF: 28.1/38

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.8/34

Out: 0.000+/-0.000 χ^2/NDF:43.0/38

All: -0.000+/-0.000 χ^2/NDF: 81.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1110253.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1083331.2/18

Left: 0.000+/-0.000 χ^2/NDF: 2193828.3/38

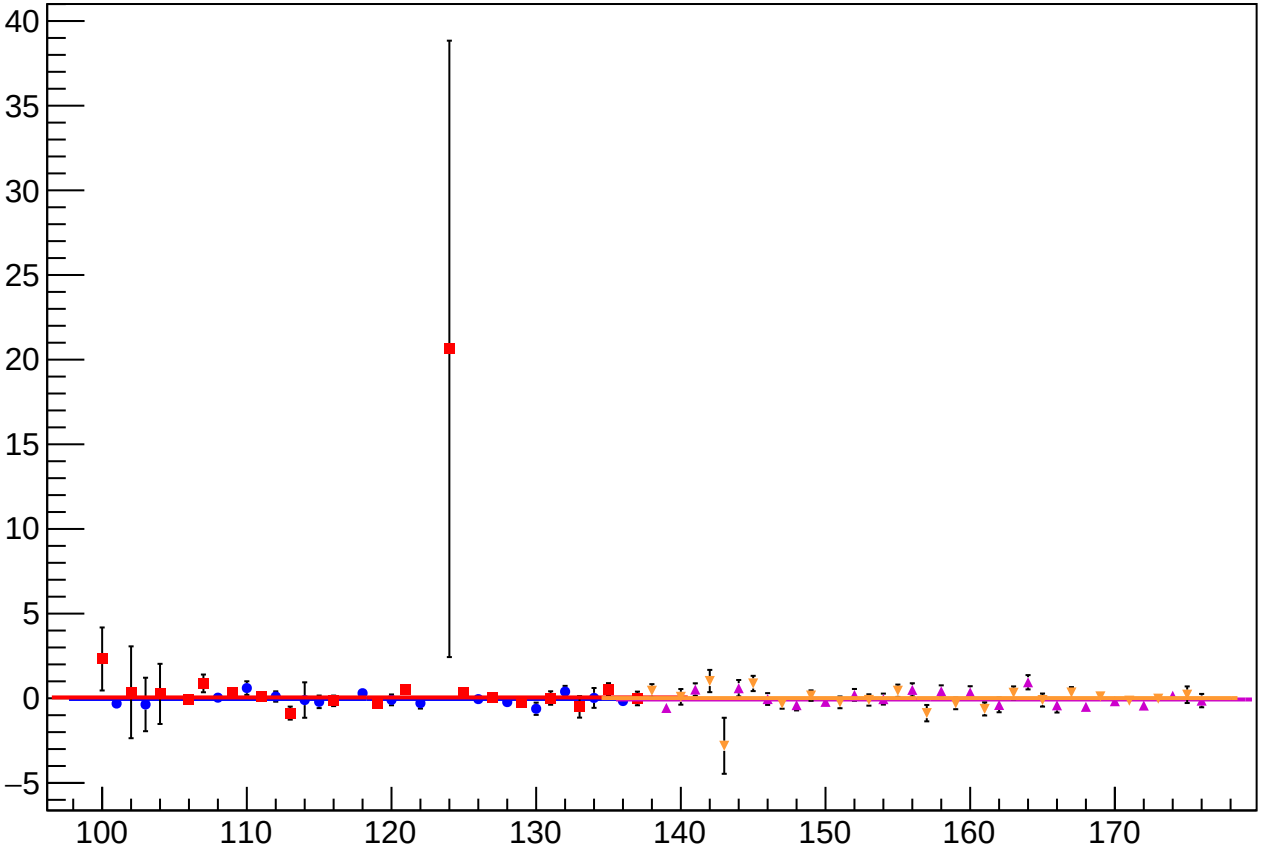
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5279599.5/34

Out: 0.000+/-0.000 χ^2/NDF:4400252.4/38

All: 0.000+/-0.000 χ^2/NDF: 9772027.1/73

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: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.053 χ^2/NDF: 51.7/38

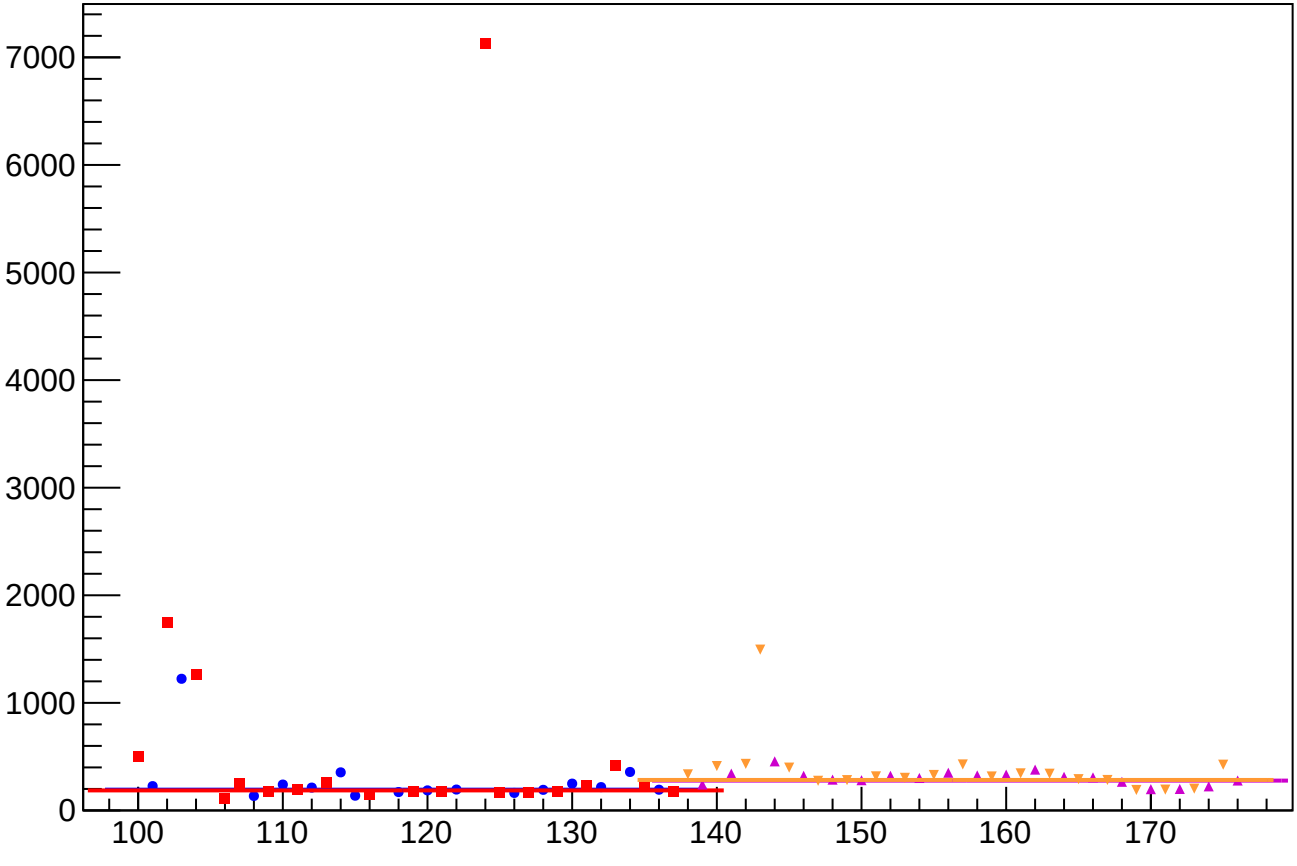
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.015+/-0.038 χ^2/NDF: 87.3/73

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: 283.470+/-0.054 χ^2/NDF:2963202.7/19

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

Left: 280.334+/-0.037 χ^2/NDF: 4293230.4/38

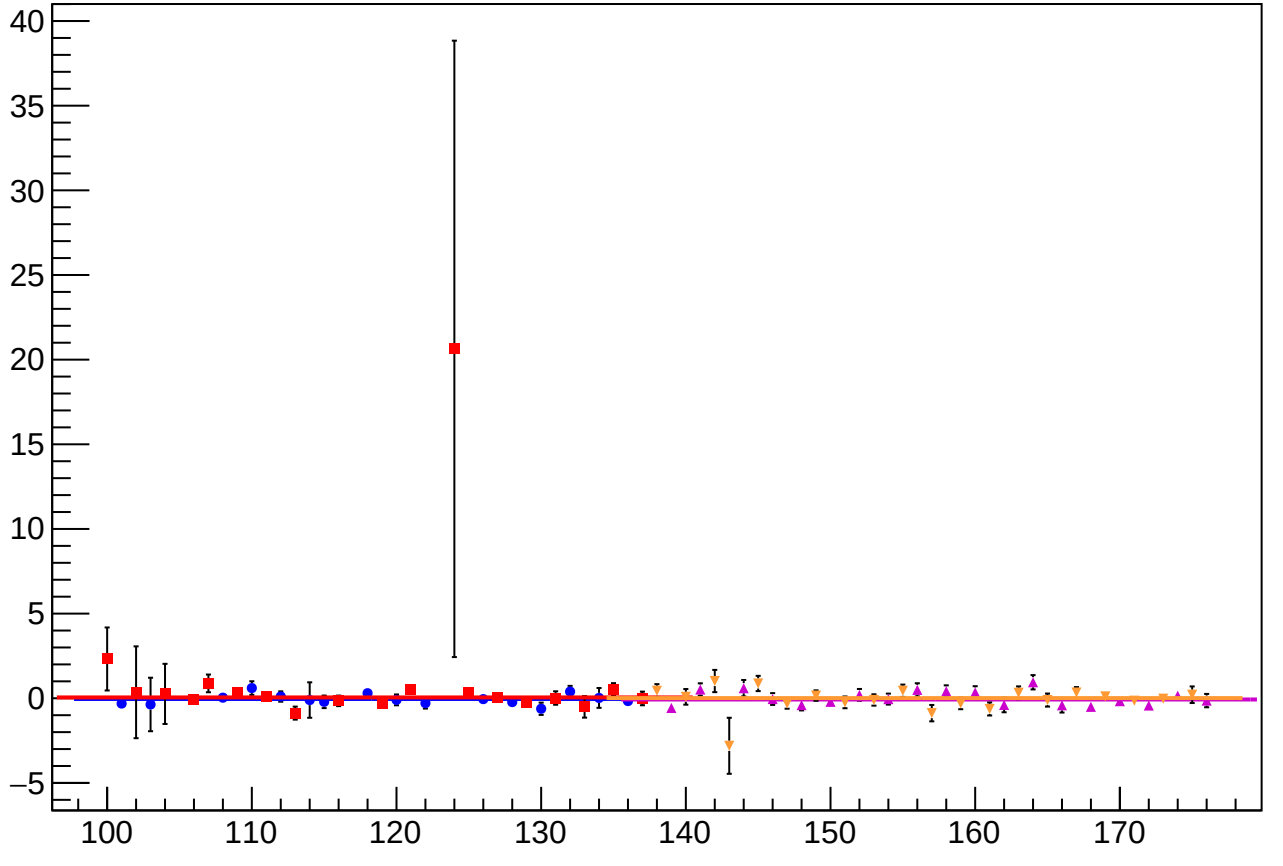
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.620+/-0.038 χ^2/NDF:3967147.1/34

Out: 236.577+/-0.039 χ^2/NDF:7012457.1/38

All: 237.111+/-0.027 χ^2/NDF: 10979976.0/73

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: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.053 χ^2/NDF: 51.7/38

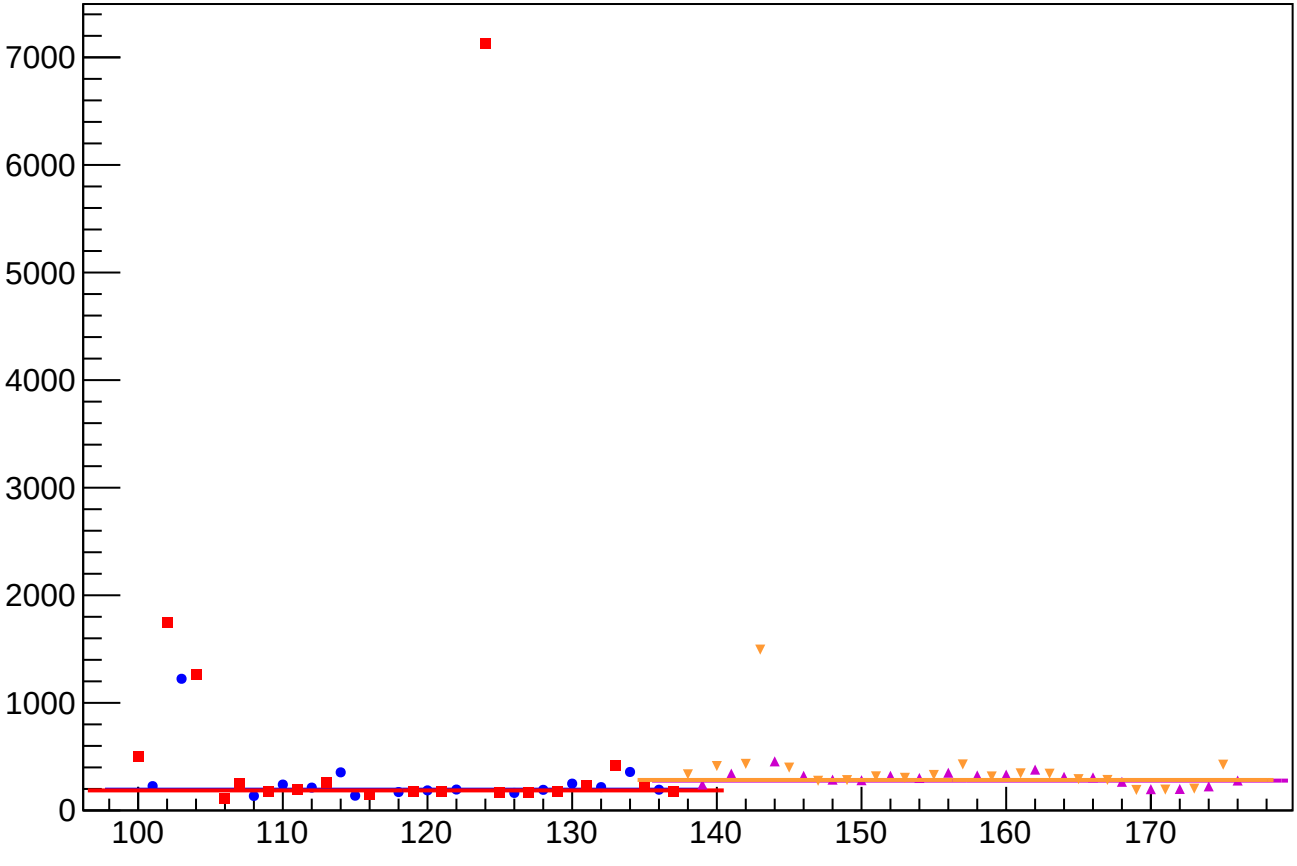
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.015+/-0.038 χ^2/NDF: 87.3/73

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: 283.470+/-0.054 χ^2/NDF:2963202.7/19

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

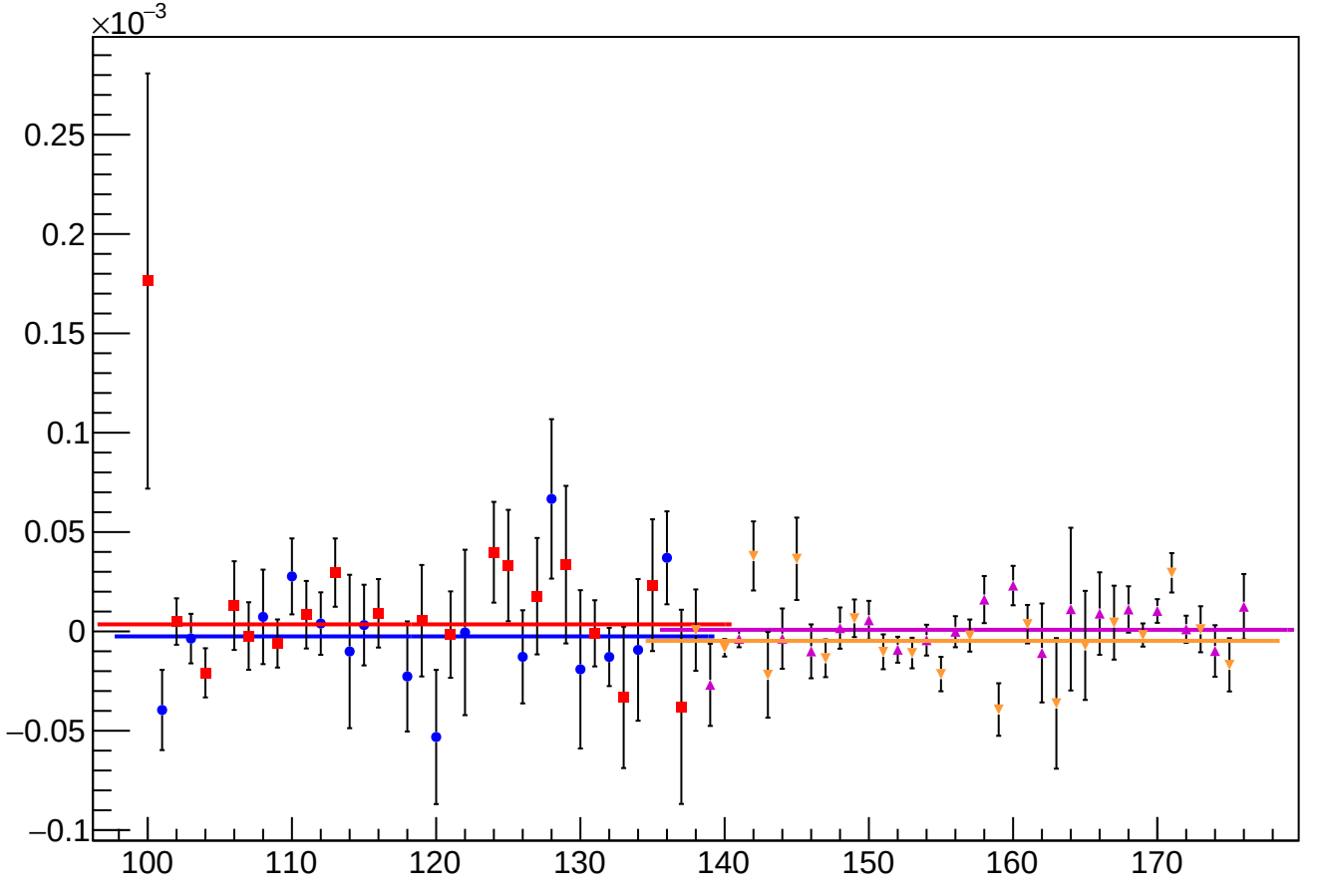
Left: 280.334+/-0.037 χ^2/NDF: 4293230.4/38

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.620+/-0.038 χ^2/NDF:3967147.1/34

Out: 236.577+/-0.039 χ^2/NDF:7012457.1/38

All: 237.111+/-0.027 χ^2/NDF: 10979976.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/18

Left: -0.000+/-0.000 χ^2/NDF: 62.2/38

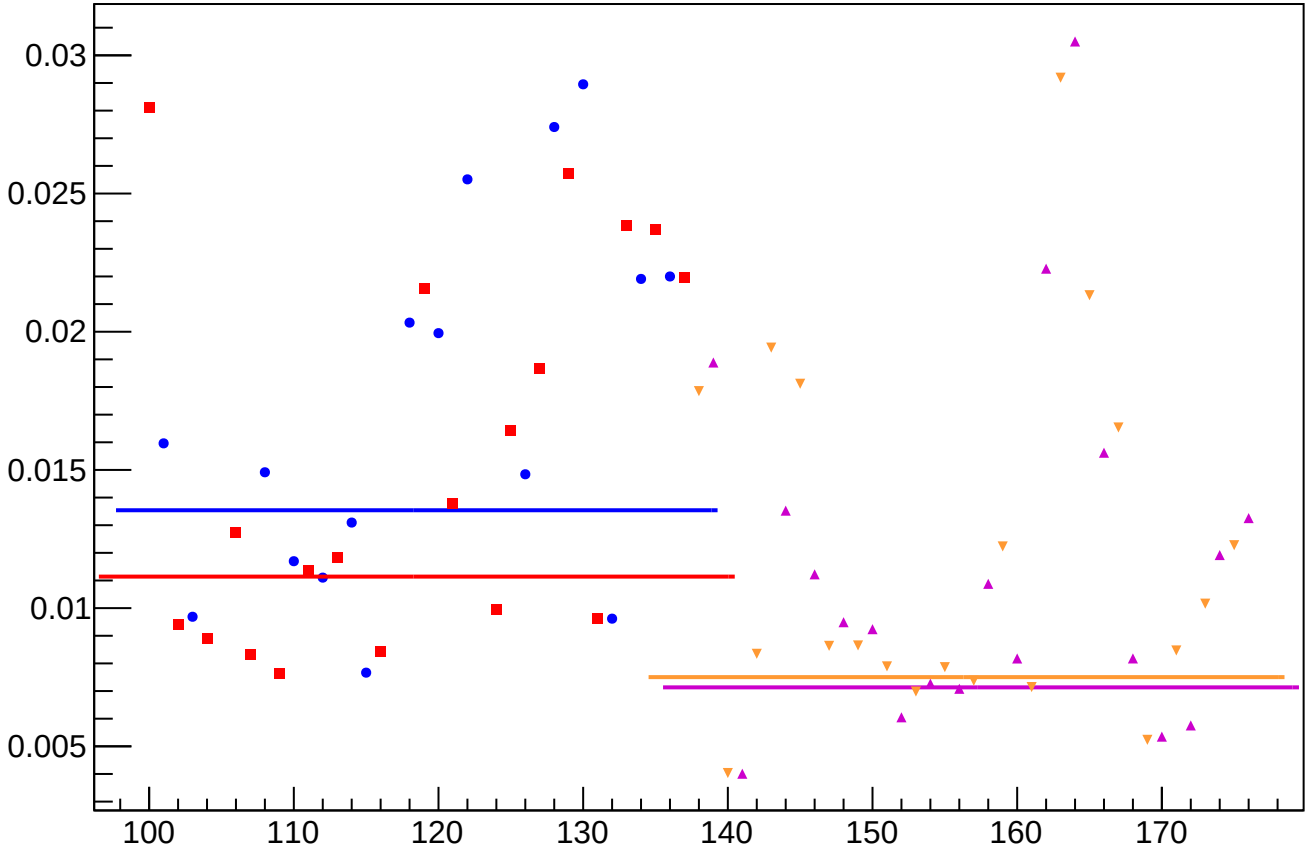
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:34.5/34

Out: -0.000+/-0.000 χ^2/NDF:59.6/38

All: -0.000+/-0.000 χ^2/NDF: 95.7/73

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:5761233.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5282339.9/18

Left: 0.007+/-0.000 χ^2/NDF: 11074335.2/38

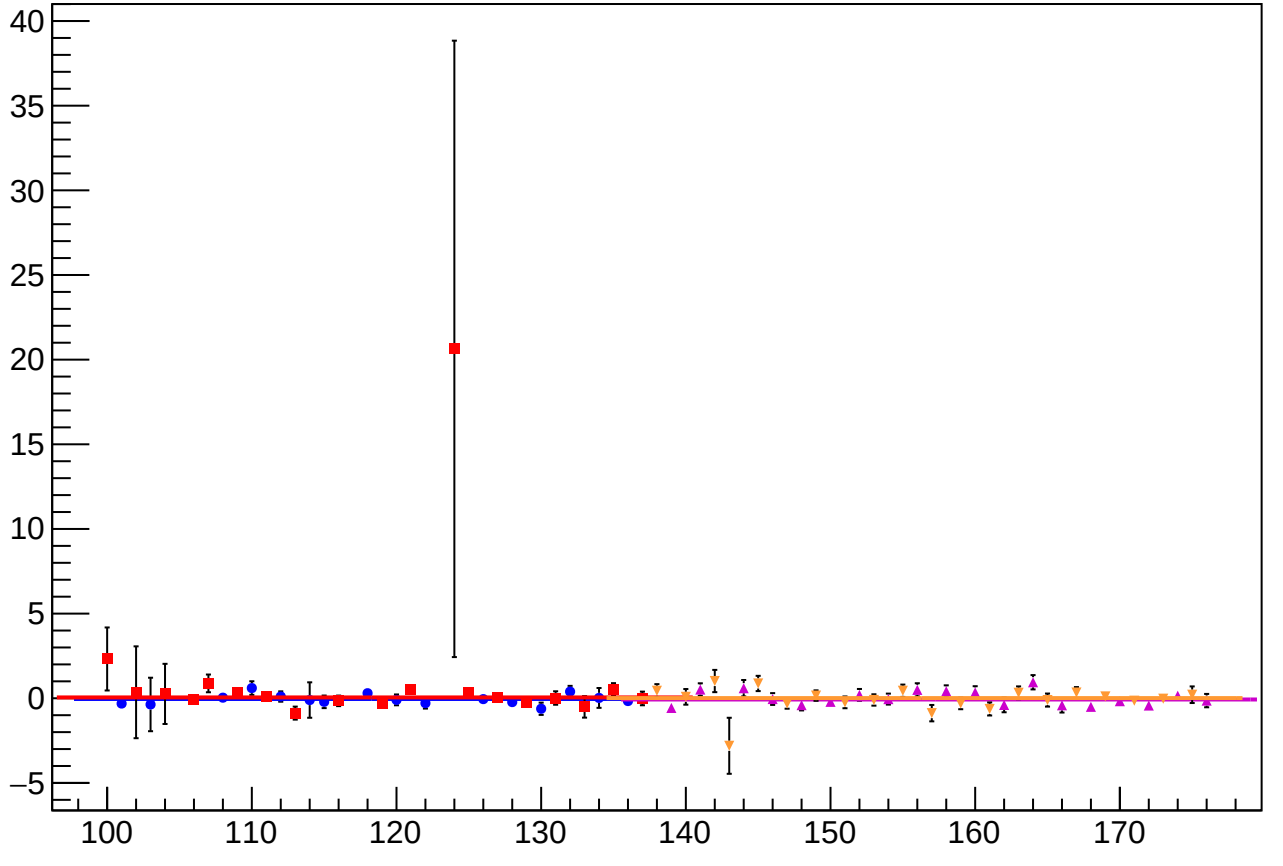
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:9572012.6/34

Out: 0.008+/-0.000 χ^2/NDF:8727320.4/38

All: 0.008+/-0.000 χ^2/NDF: 18314950.4/73

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: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.053 χ^2/NDF: 51.7/38

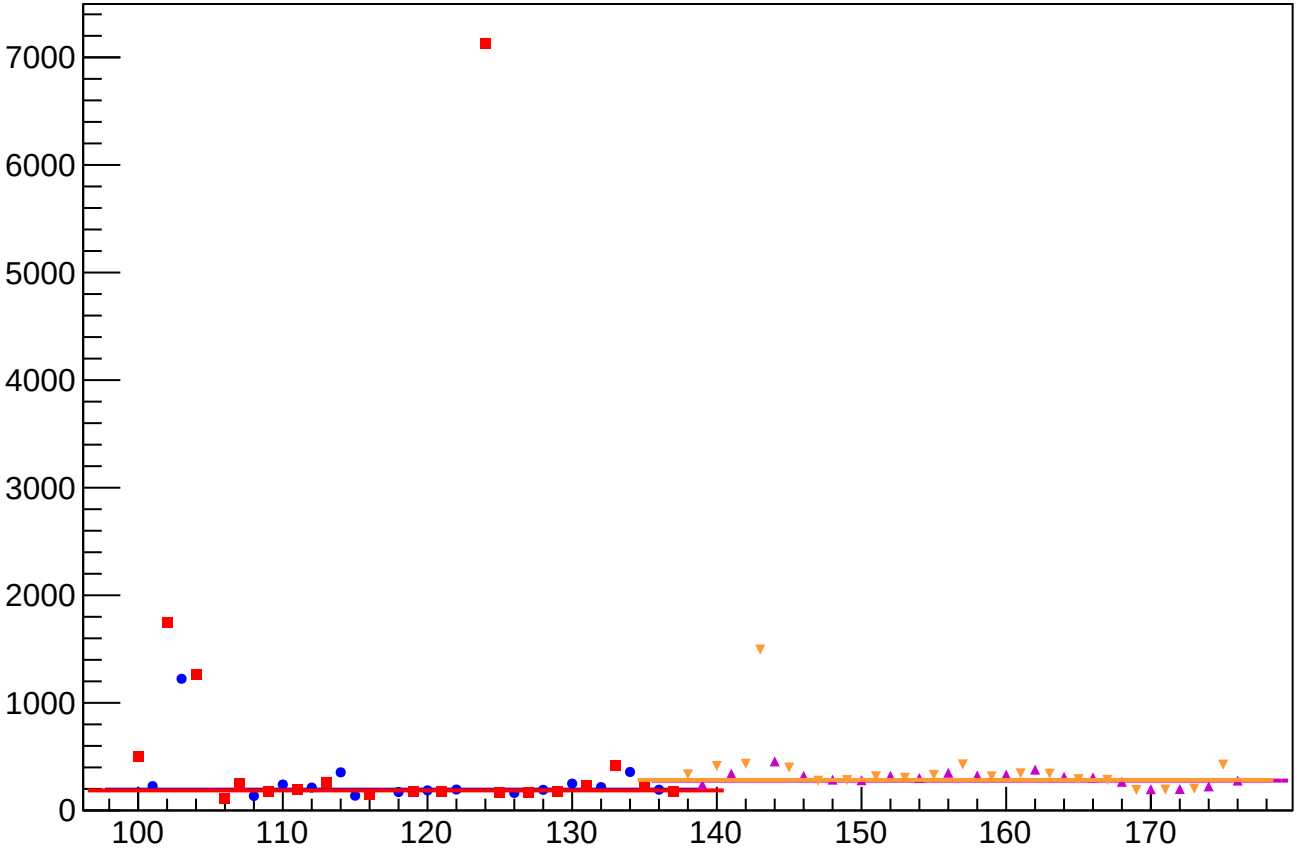
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.015+/-0.038 χ^2/NDF: 87.3/73

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 283.472+/-0.054 χ^2/NDF:2963269.9/19

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

Left: 280.337+/-0.037 χ^2/NDF: 4293347.8/38

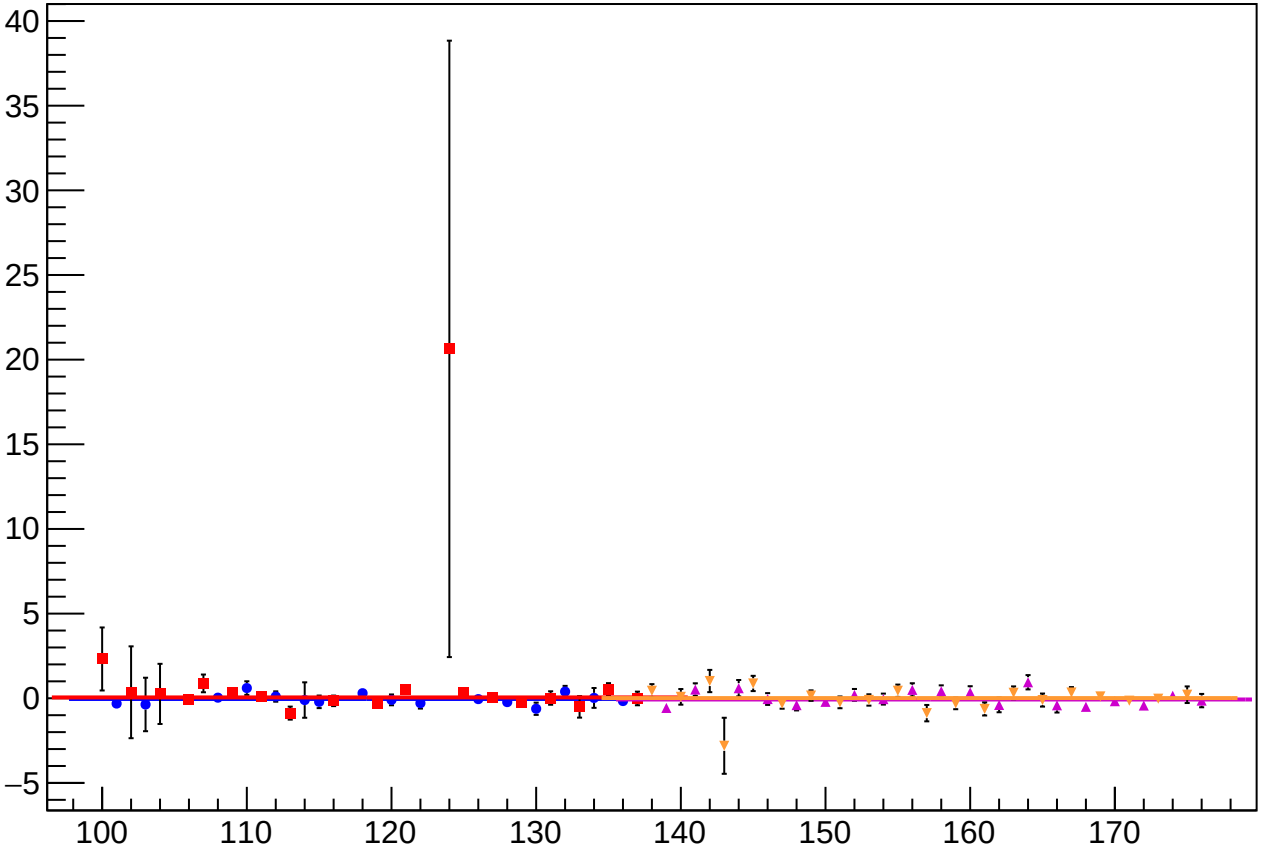
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.620+/-0.038 χ^2/NDF:3967307.8/34

Out: 236.576+/-0.039 χ^2/NDF:7012703.8/38

All: 237.111+/-0.027 χ^2/NDF: 10980383.9/73

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: 0.010+/-0.076 χ^2/NDF:23.3/19

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.053 χ^2/NDF: 51.7/38

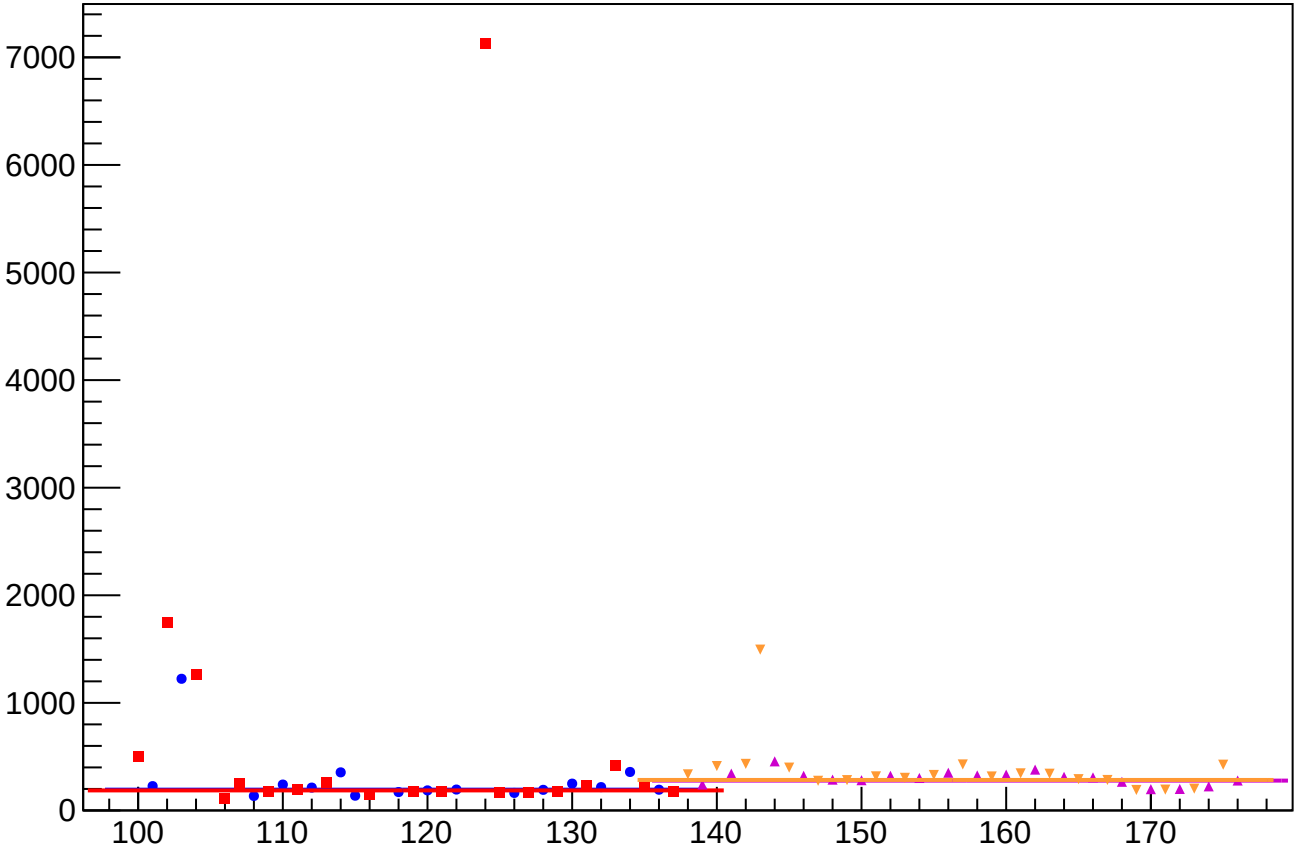
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.029+/-0.055 χ^2/NDF:46.4/38

All: -0.015+/-0.038 χ^2/NDF: 87.3/73

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: 283.472+/-0.054 χ^2/NDF:2963269.9/19

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

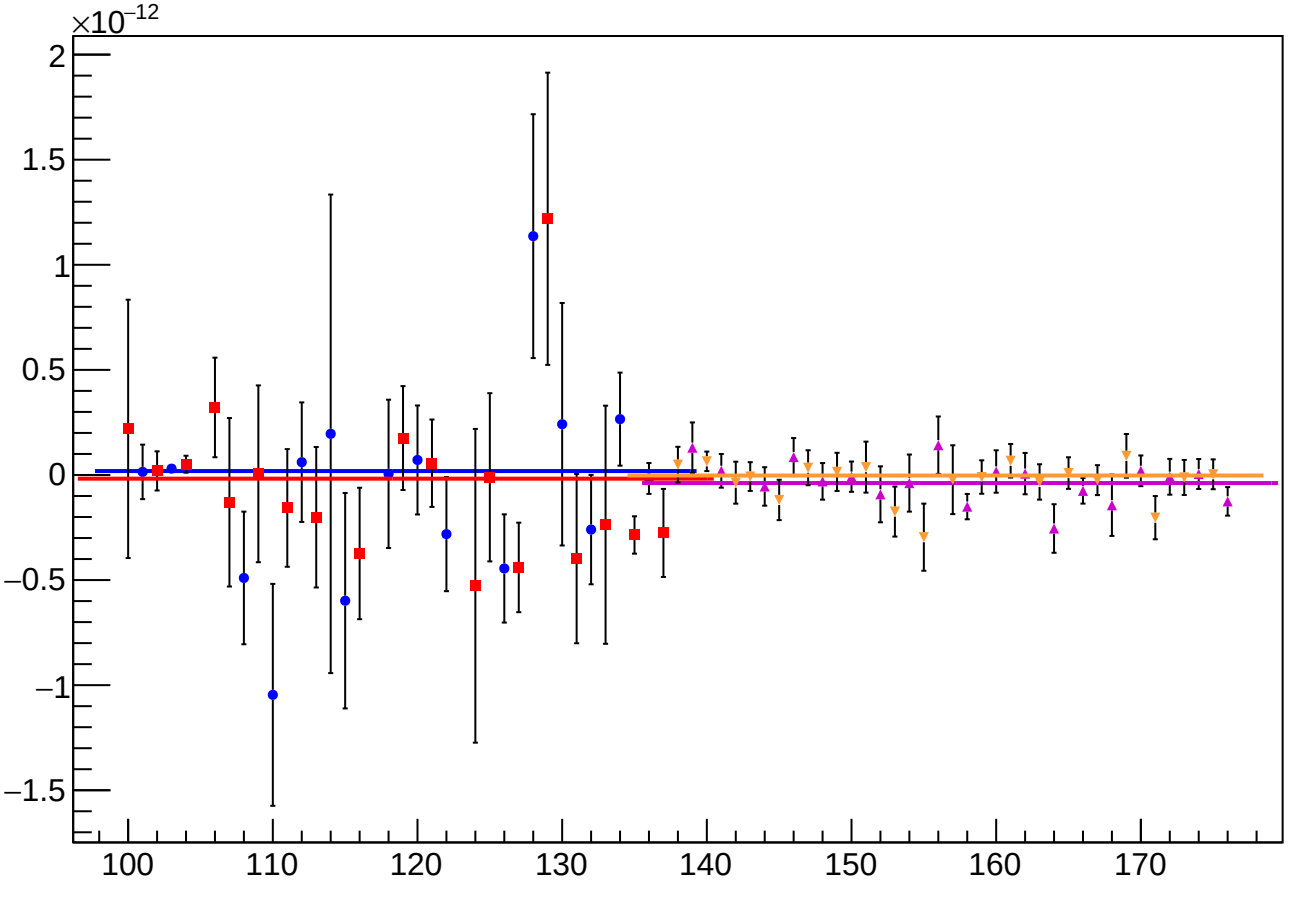
Left: 280.337+/-0.037 χ^2/NDF: 4293347.8/38

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.620+/-0.038 χ^2/NDF:3967307.8/34

Out: 236.576+/-0.039 χ^2/NDF:7012703.8/38

All: 237.111+/-0.027 χ^2/NDF: 10980383.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/18

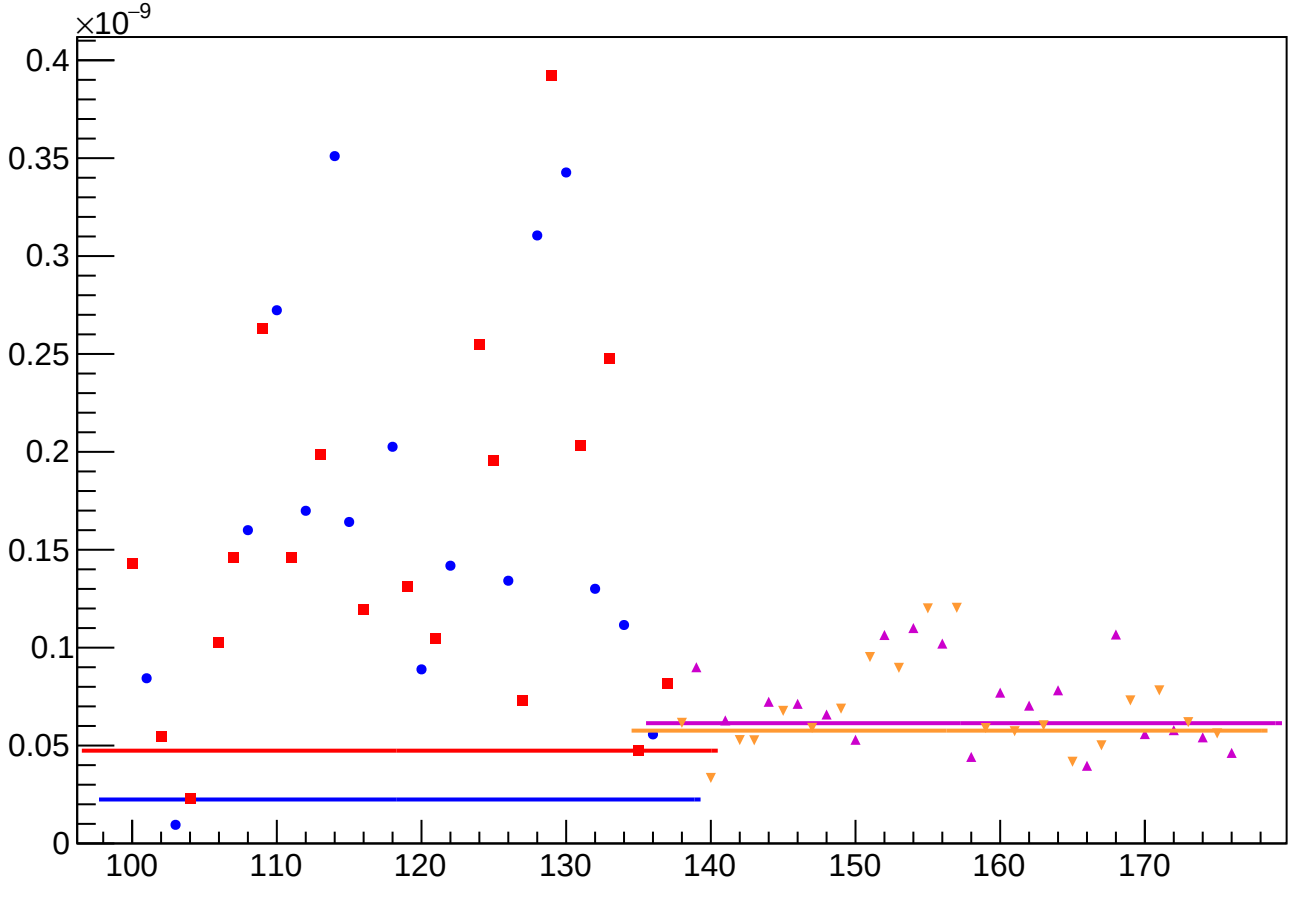
Left: -0.000+/-0.000 χ^2/NDF: 34.9/38

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.0/34

Out: -0.000+/-0.000 χ^2/NDF:42.9/38

All: -0.000+/-0.000 χ^2/NDF: 83.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1796783.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1716071.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3552022.1/38

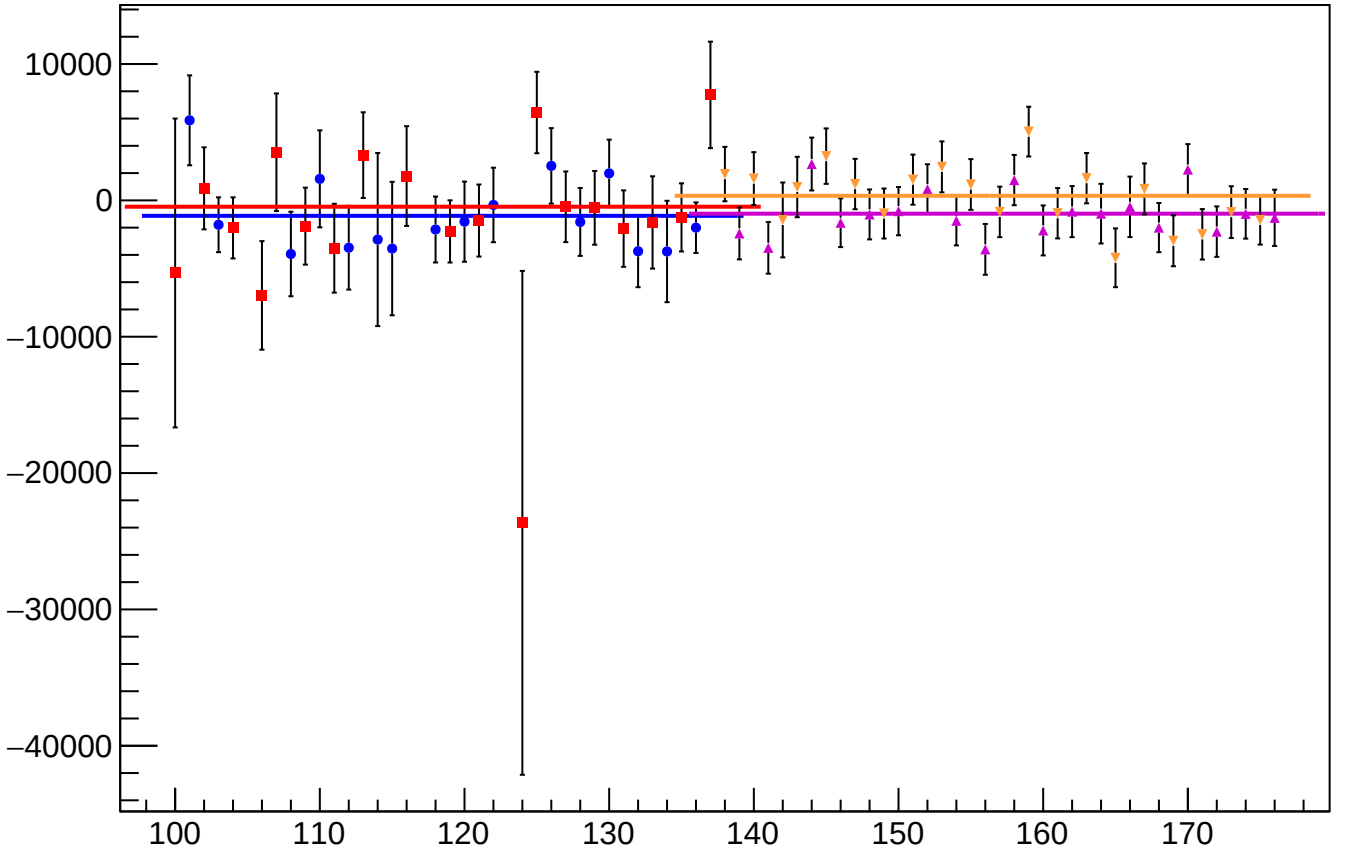
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11857802.3/34

Out: 0.000+/-0.000 χ^2/NDF:6191124.5/38

All: 0.000+/-0.000 χ^2/NDF: 18692445.9/73

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.508+/-430.370 χ^2/NDF:25.6/19

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -976.751+/-431.972 χ^2/NDF:15.2/18

Left: -317.681+/-304.882 χ^2/NDF: 45.4/38

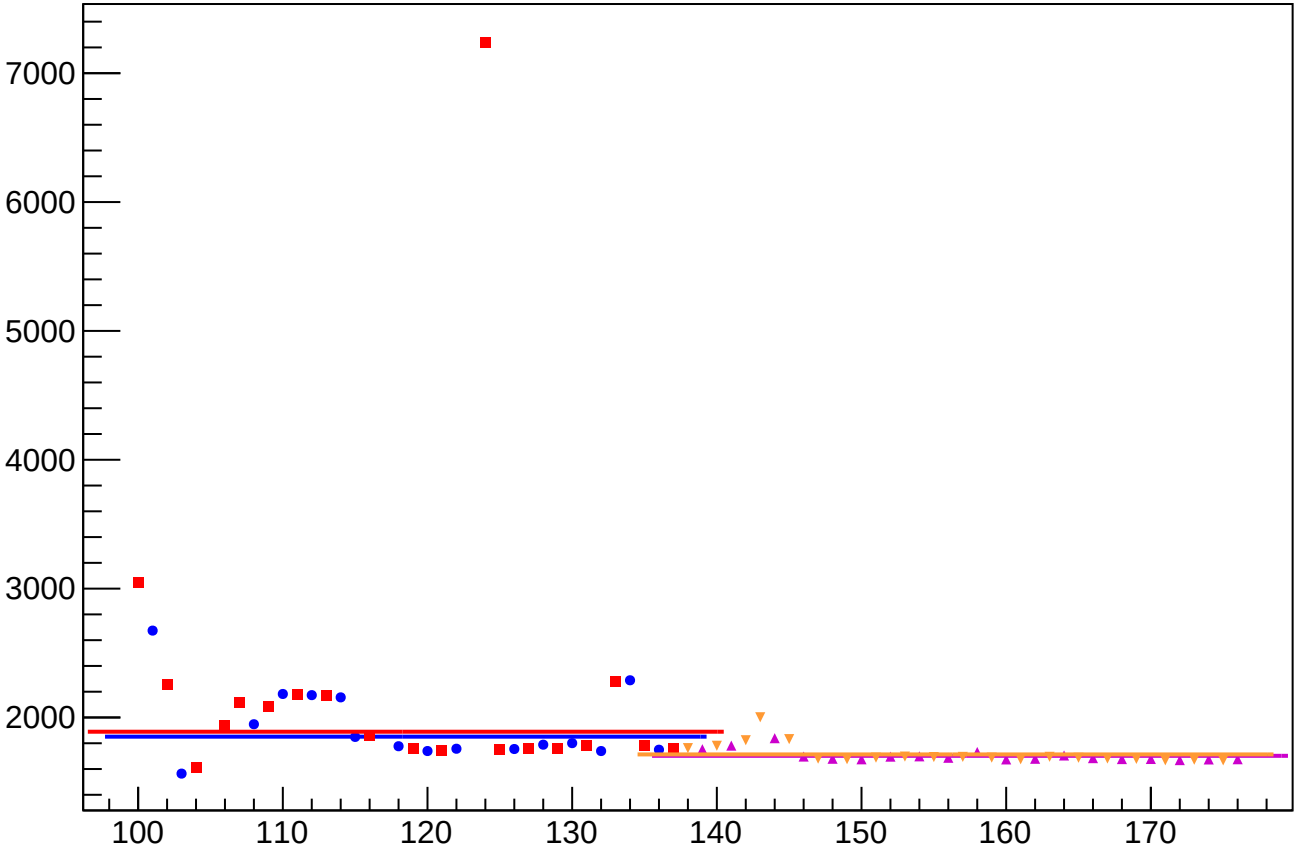
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1020.858+/-366.701 χ^2/NDF:27.5/34

Out: 119.187+/-367.465 χ^2/NDF:46.5/38

All: -452.021+/-259.566 χ^2/NDF: 78.8/73

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

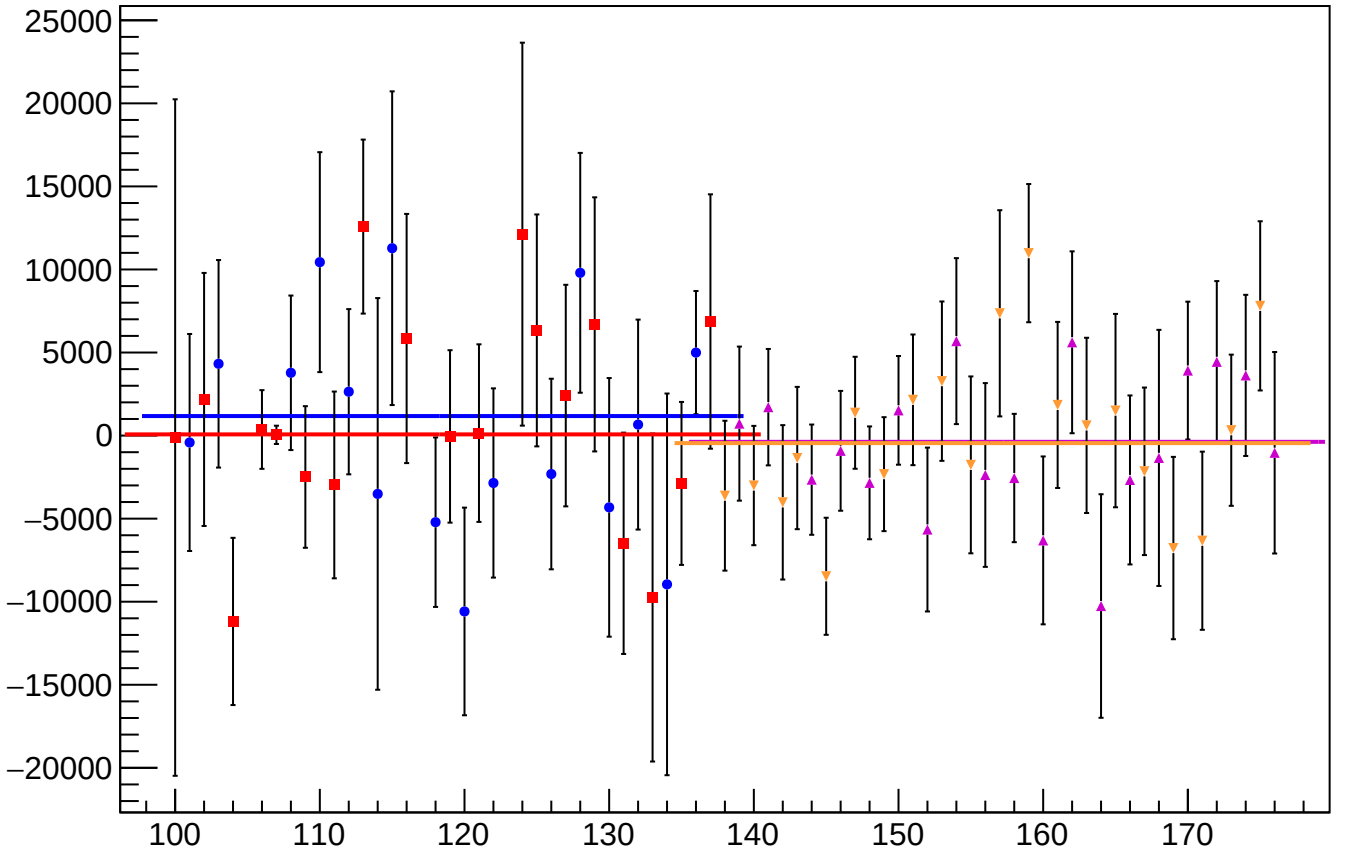
Left: 1707.901+/-0.216 χ^2/NDF: 76487.4/38

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1743.990+/-0.259 χ^2/NDF:345645.1/34

Out: 1761.218+/-0.260 χ^2/NDF:506448.7/38

All: 1752.591+/-0.183 χ^2/NDF: 854297.8/73



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -453.100+/-996.103 χ^2/NDF:23.3/19

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -376.234+/-1011.791 χ^2/NDF:12.5/18

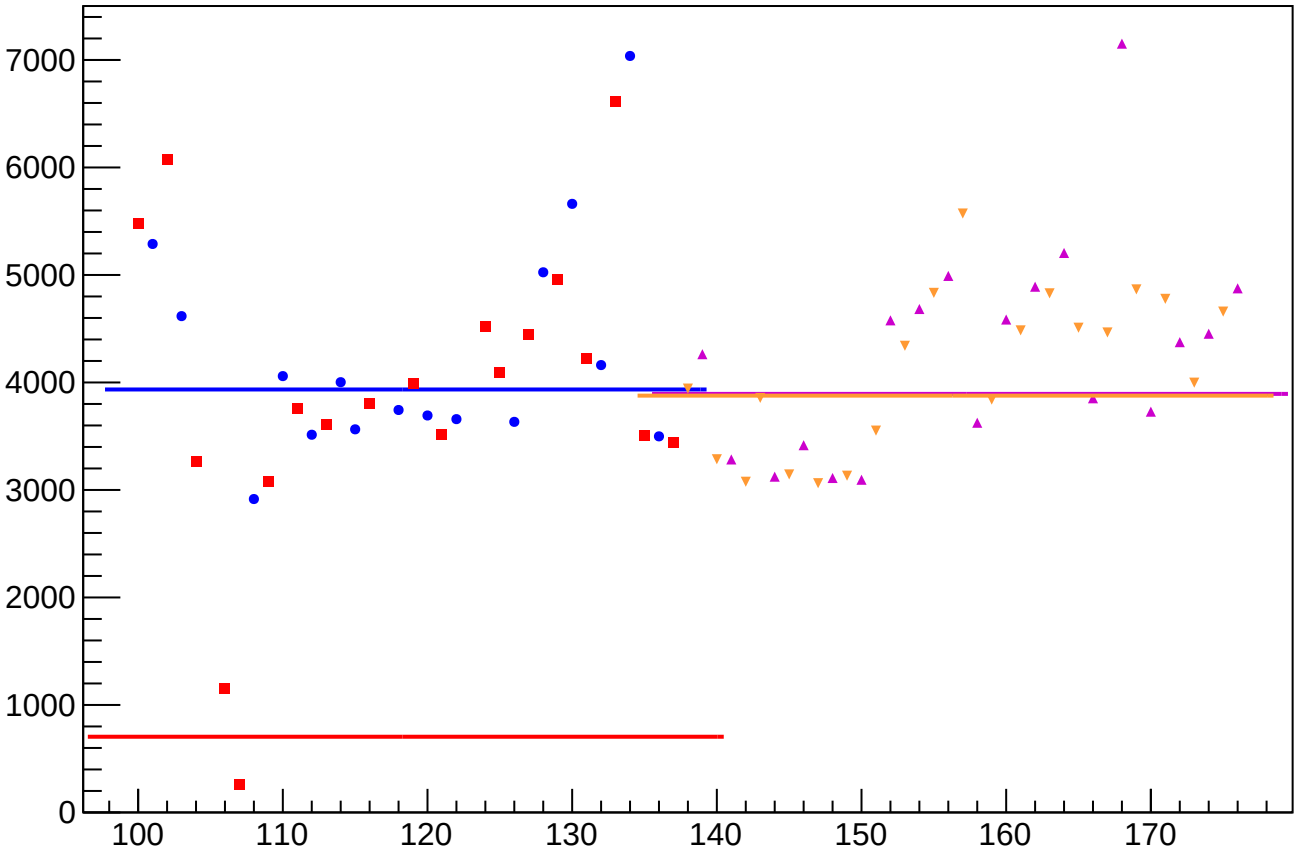
Left: -415.268+/-709.833 χ^2/NDF: 35.8/38

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 108.040+/-839.177 χ^2/NDF:27.0/34

Out: -35.060+/-450.914 χ^2/NDF:41.5/38

All: -3.001+/-397.204 χ^2/NDF: 68.5/73



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3877.545+/-0.704 χ^2/NDF:973045.0/19

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3893.678+/-0.715 χ^2/NDF:1257119.5/18

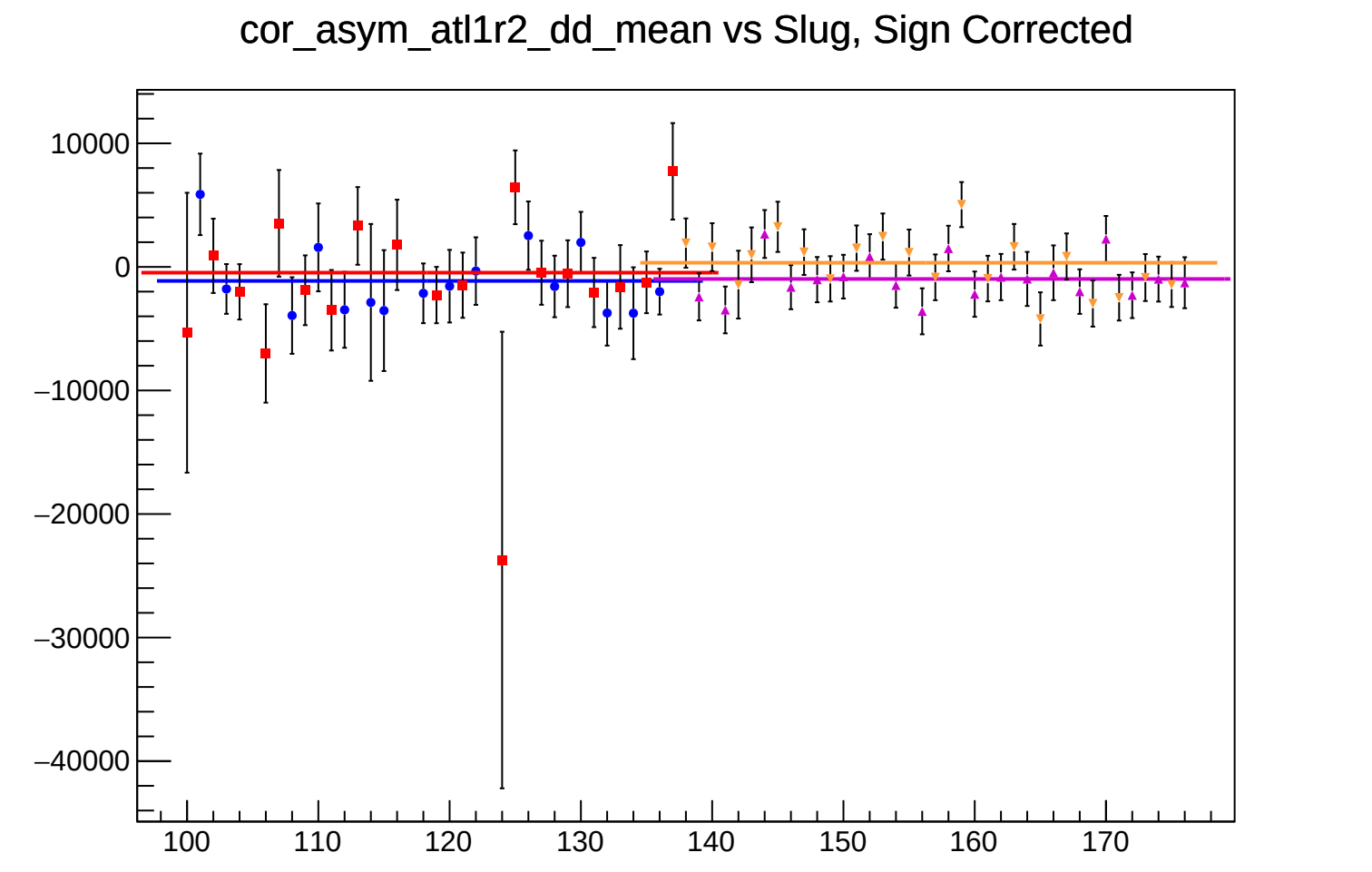
Left: 3885.486+/-0.502 χ^2/NDF: 2230422.7/38

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3906.487+/-0.593 χ^2/NDF:1818272.1/34

Out: 1354.620+/-0.319 χ^2/NDF:27728504.7/38

All: 1926.333+/-0.281 χ^2/NDF: 43897691.0/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -976.651+/-431.972 χ^2/NDF:15.2/18

Left: -317.601+/-304.882 χ^2/NDF: 45.4/38

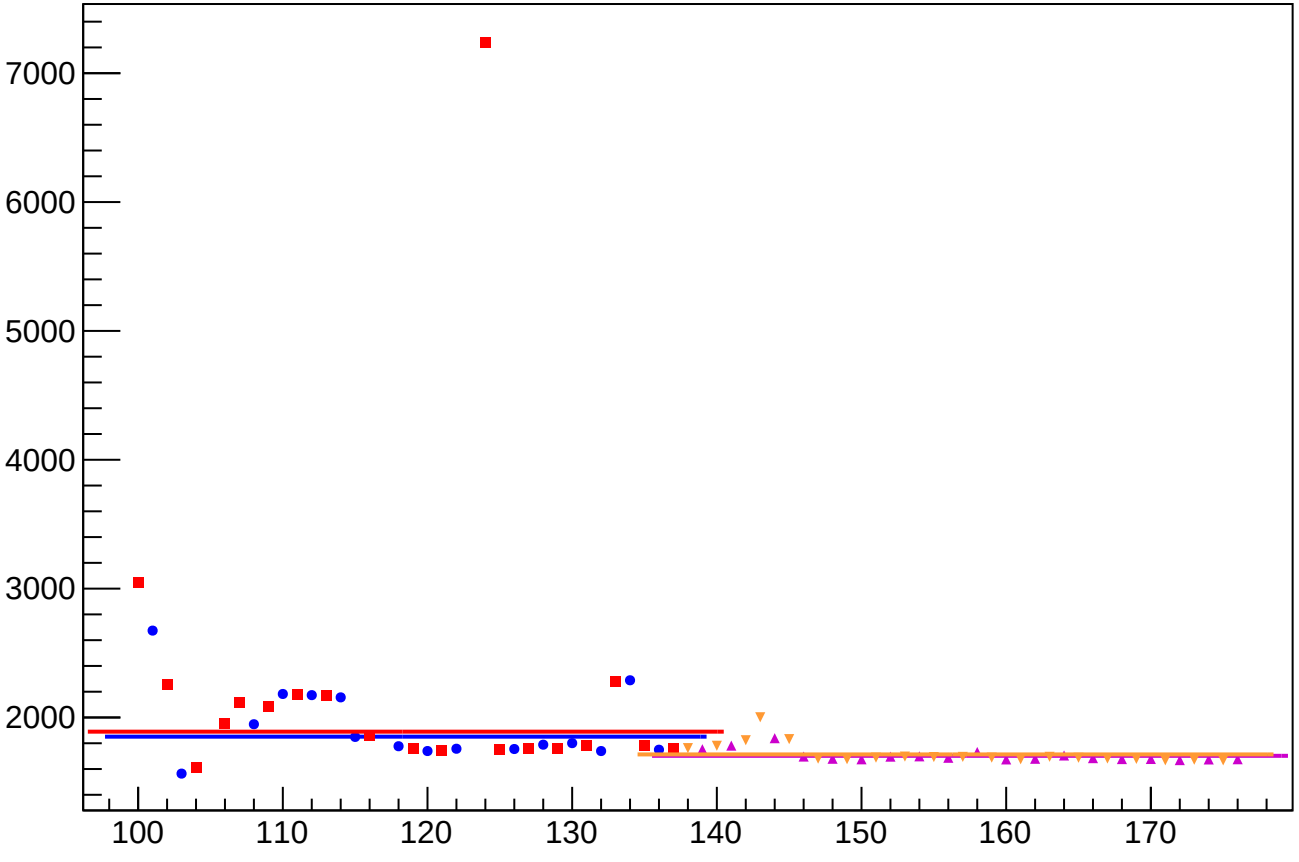
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1020.666+/-366.701 χ^2/NDF:27.5/34

Out: 119.129+/-367.465 χ^2/NDF:46.6/38

All: -451.955+/-259.567 χ^2/NDF: 78.9/73

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1713.307+/-0.304 χ^2/NDF:56378.2/19

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

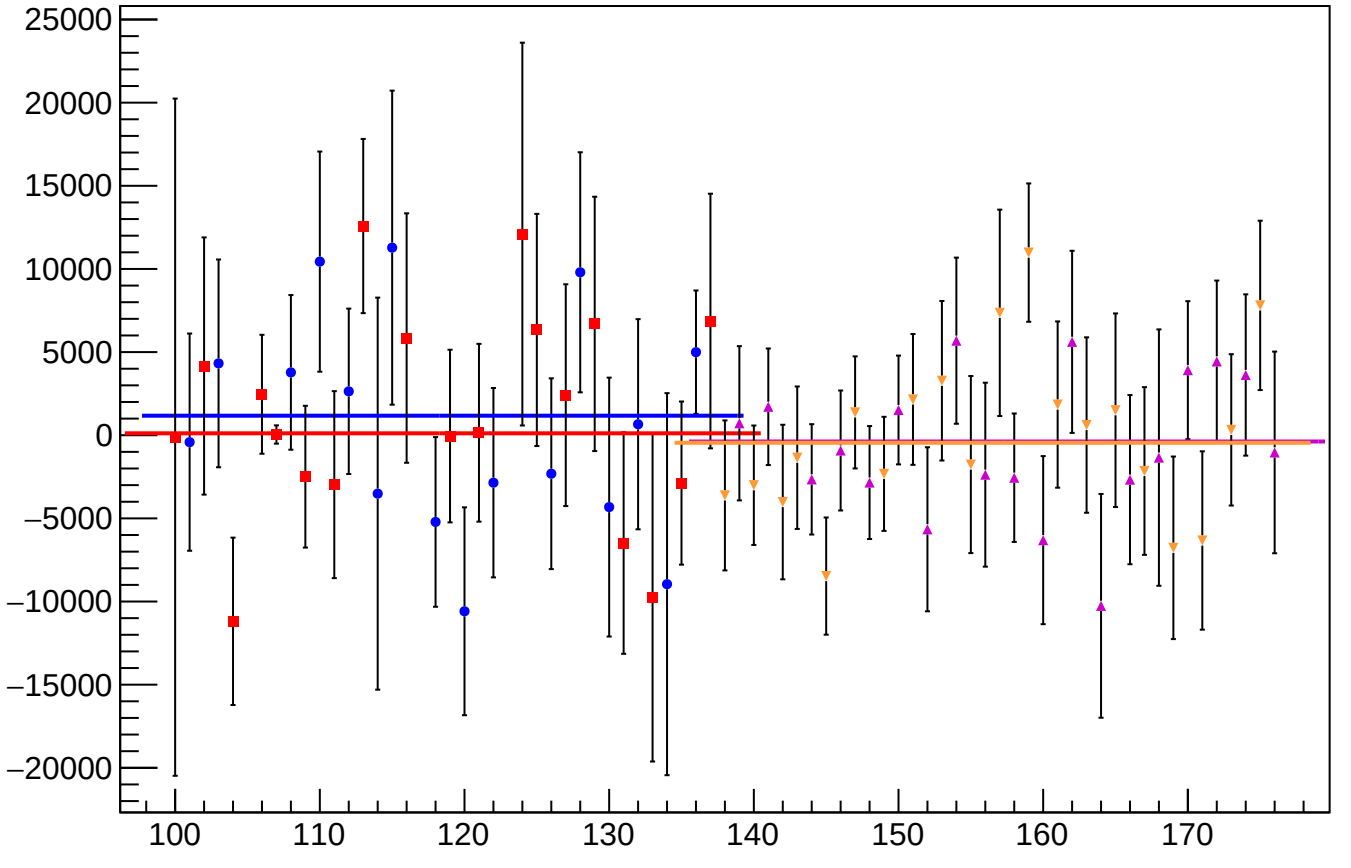
Left: 1707.901+/-0.216 χ^2/NDF: 76487.4/38

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1743.990+/-0.259 χ^2/NDF:345644.6/34

Out: 1761.327+/-0.260 χ^2/NDF:507112.9/38

All: 1752.645+/-0.183 χ^2/NDF: 854989.3/73



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -376.202+/-1011.791 χ^2/NDF:12.5/18

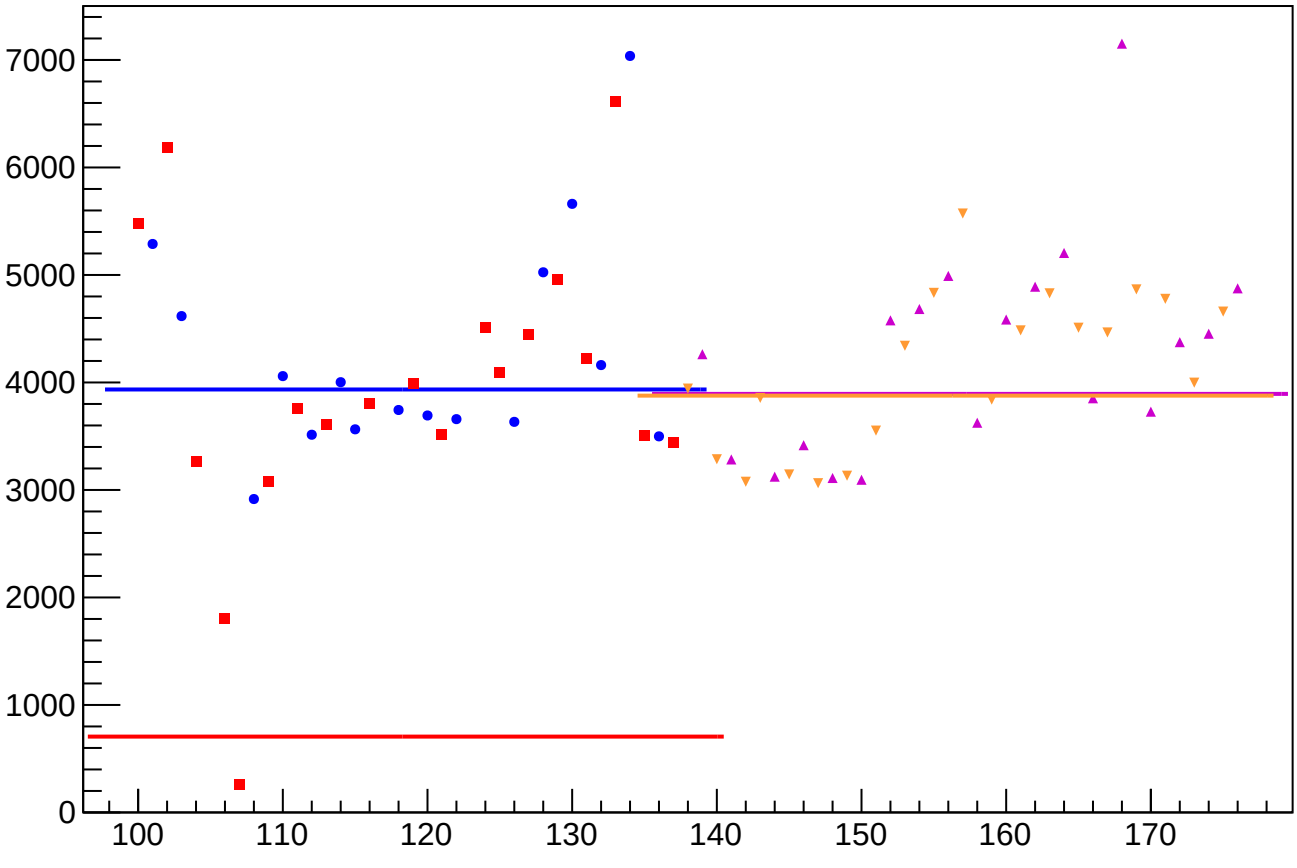
Left: -415.253+/-709.832 χ^2/NDF: 35.8/38

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 108.052+/-839.178 χ^2/NDF:27.0/34

Out: -3.107+/-455.571 χ^2/NDF:42.1/38

All: 22.196+/-400.377 χ^2/NDF: 69.1/73



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

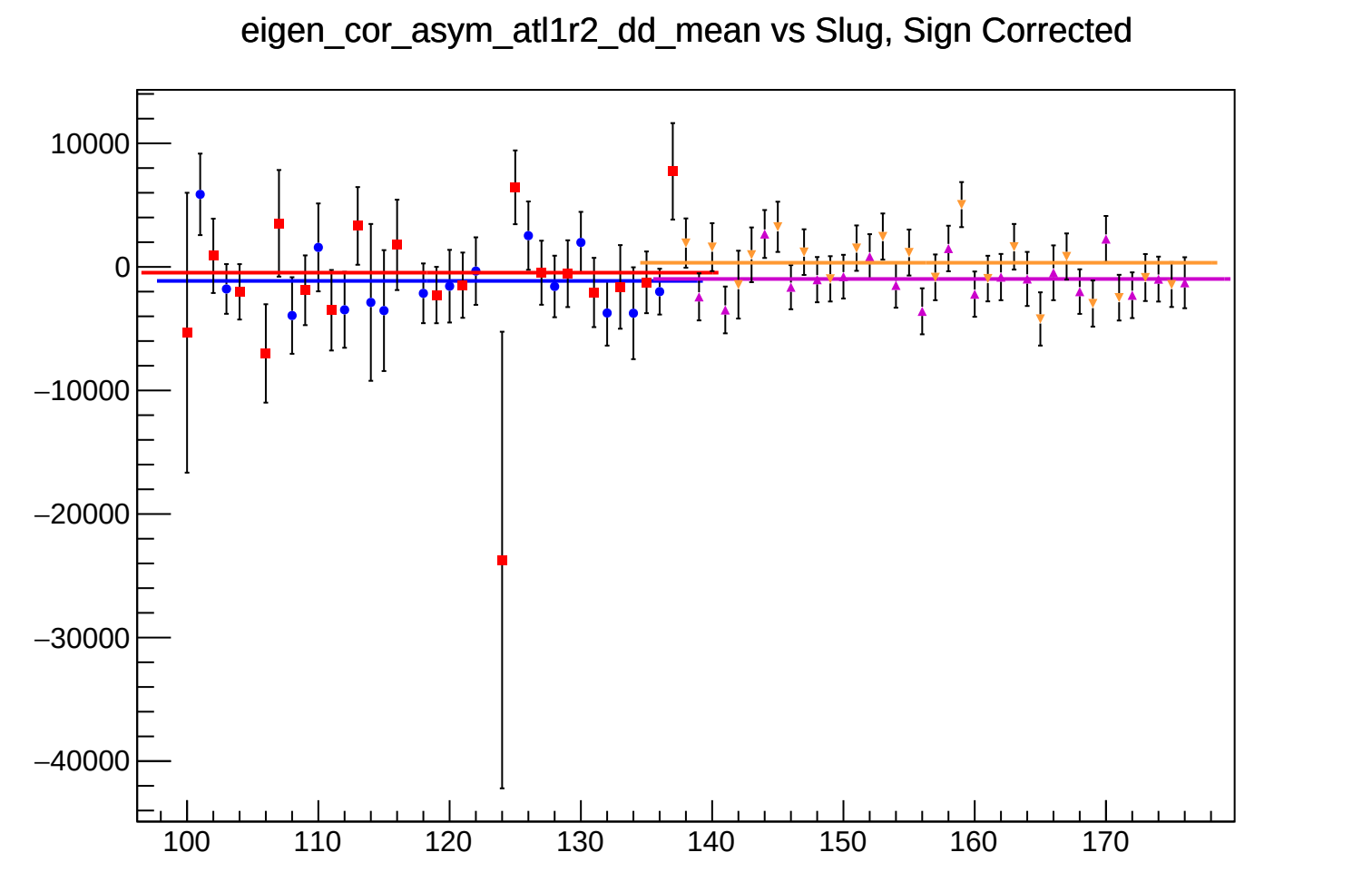
Left: 3885.480+/-0.502 χ^2/NDF: 2230417.9/38

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3906.488+/-0.593 χ^2/NDF:1818281.8/34

Out: 1369.098+/-0.322 χ^2/NDF:27758188.5/38

All: 1946.684+/-0.283 χ^2/NDF: 43699305.2/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 336.568+/-430.370 χ^2/NDF:25.6/19

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -976.651+/-431.972 χ^2/NDF:15.2/18

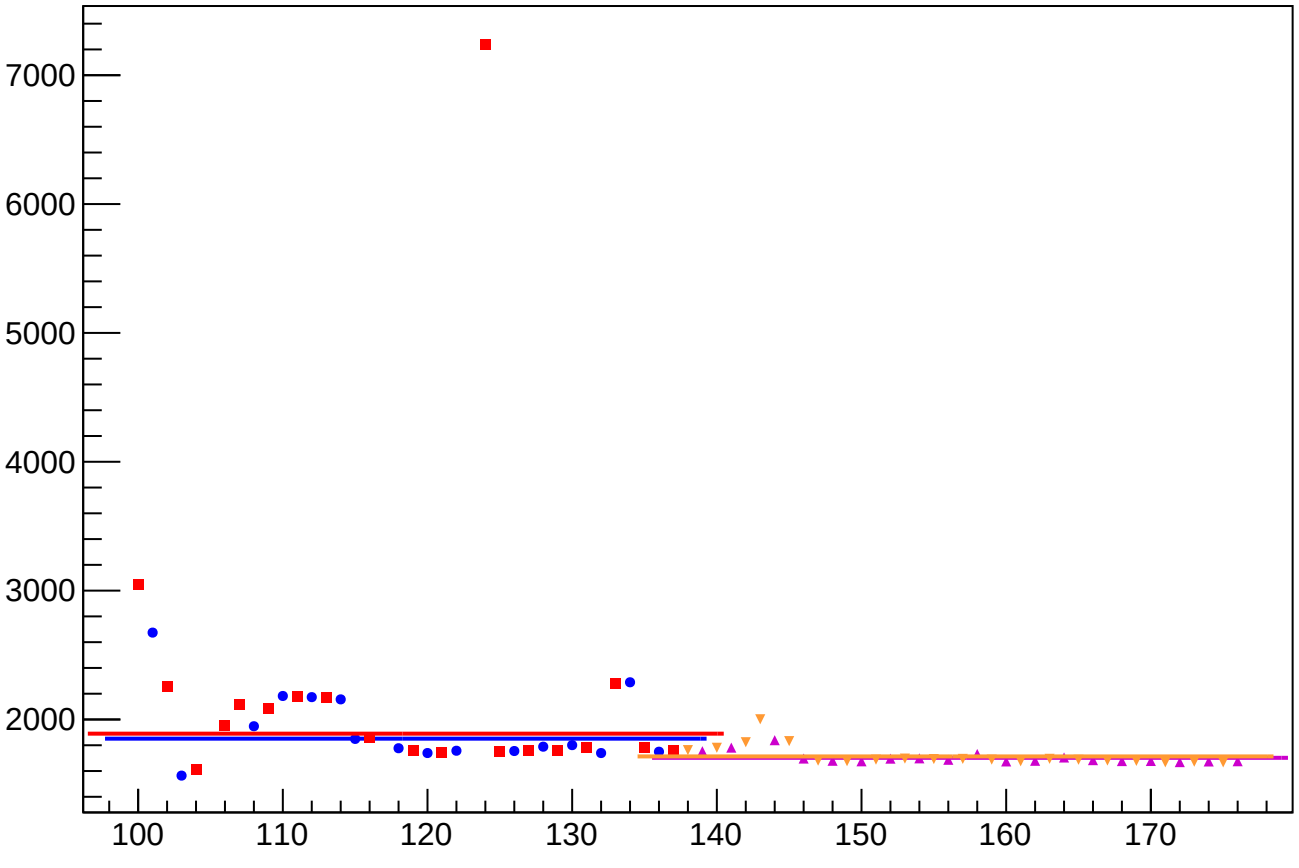
Left: -317.601+/-304.882 χ^2/NDF: 45.4/38

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

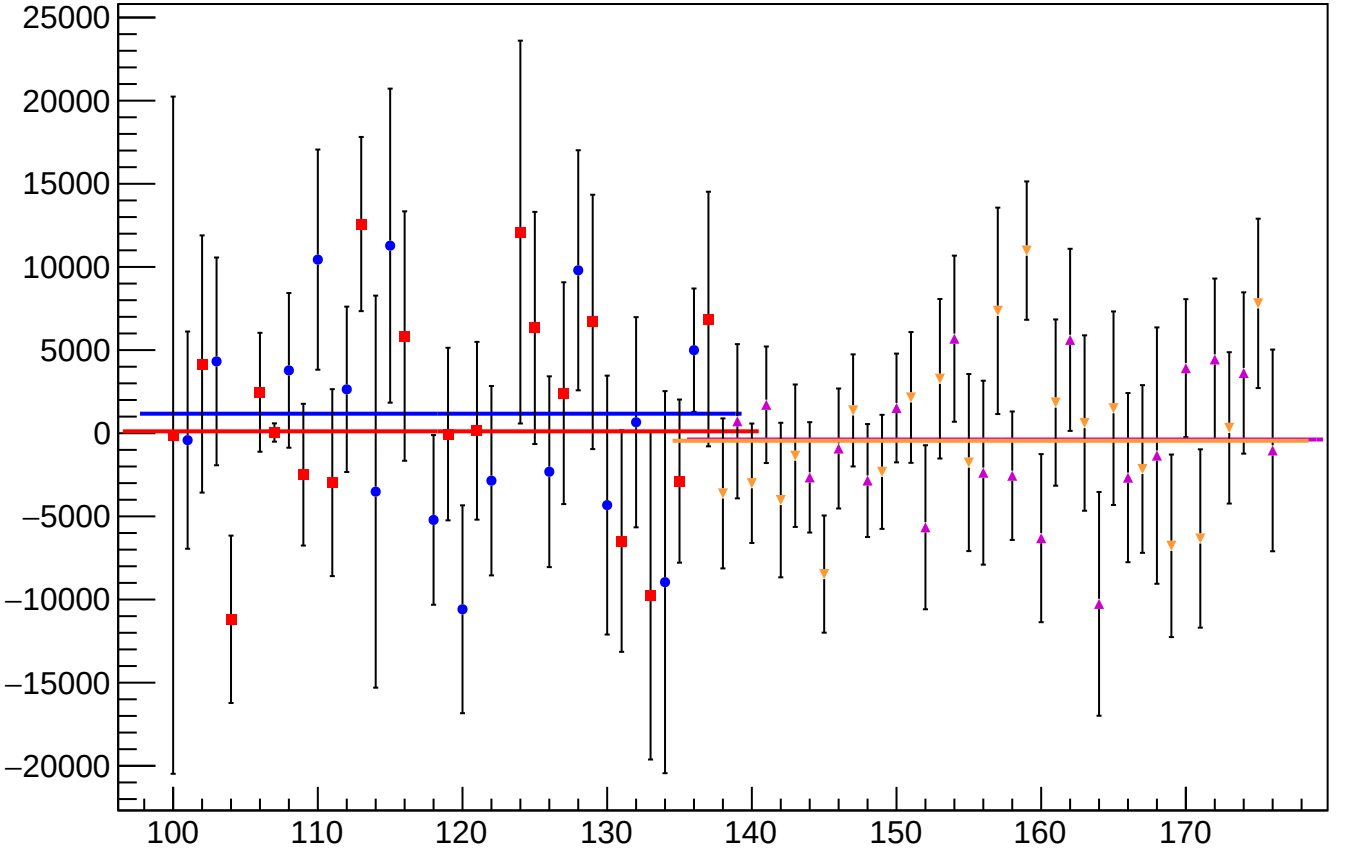
In: -1020.666+/-366.701 χ^2/NDF:27.5/34

Out: 119.129+/-367.465 χ^2/NDF:46.6/38

All: -451.955+/-259.567 χ^2/NDF: 78.9/73


eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1851.131+/-0.491 χ²/NDF: 259980.7/15
Left Out: 1713.307+/-0.304 χ²/NDF:56378.2/19
Right Out: 1889.986+/-0.498 χ²/NDF: 359122.3/18
Left In: 1702.454+/-0.305 χ²/NDF:19475.7/18
Left: 1707.901+/-0.216 χ²/NDF: 76487.4/38
Right: 1870.262+/-0.350 χ²/NDF: 622191.7/34
In: 1743.990+/-0.259 χ²/NDF:345644.6/34
Out: 1761.327+/-0.260 χ²/NDF:507112.9/38
All: 1752.645+/-0.183 χ²/NDF: 854989.3/73

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: -453.103+/-996.101 χ^2/NDF:23.3/19

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -376.202+/-1011.791 χ^2/NDF:12.5/18

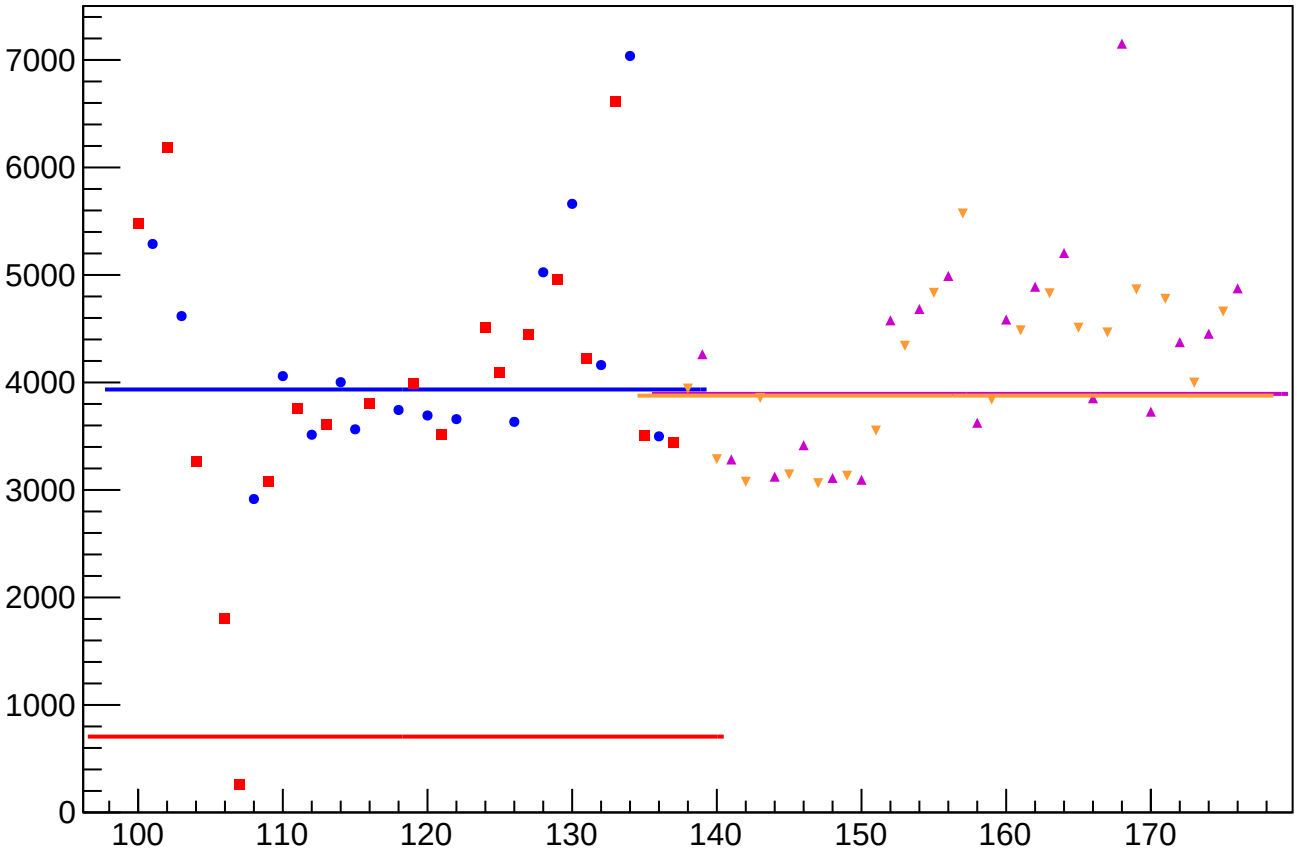
Left: -415.253+/-709.832 χ^2/NDF: 35.8/38

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 108.052+/-839.178 χ^2/NDF:27.0/34

Out: -3.107+/-455.571 χ^2/NDF:42.1/38

All: 22.196+/-400.377 χ^2/NDF: 69.1/73



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3877.536+/-0.704 χ^2/NDF:973054.9/19

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

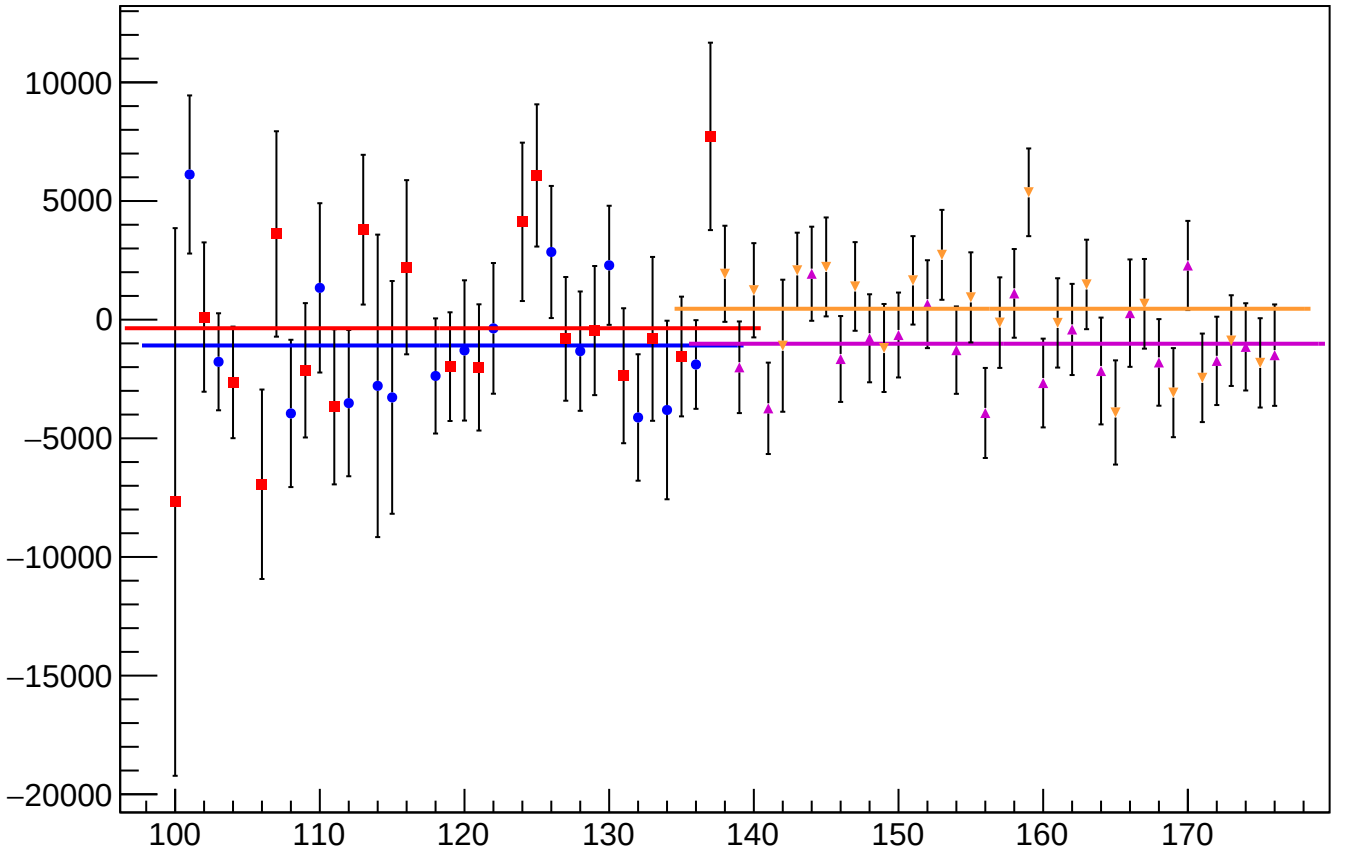
Left: 3885.480+/-0.502 χ^2/NDF: 2230417.9/38

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3906.488+/-0.593 χ^2/NDF:1818281.8/34

Out: 1369.098+/-0.322 χ^2/NDF:27758188.5/38

All: 1946.684+/-0.283 χ^2/NDF: 43699305.2/7



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.630+/-429.515 χ^2/NDF:25.2/19

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1014.517+/-439.046 χ^2/NDF:14.1/18

Left: -261.270+/-307.027 χ^2/NDF: 45.0/38

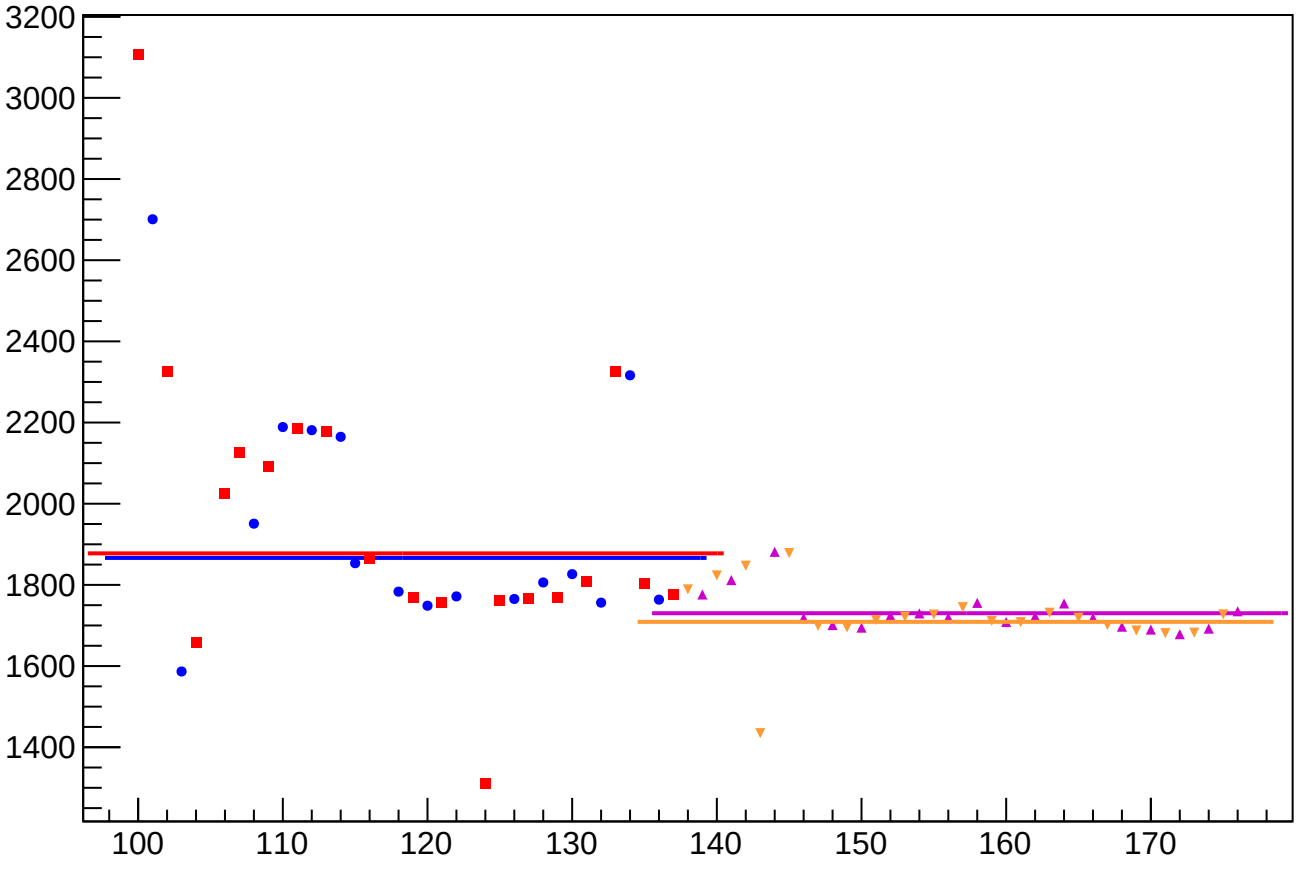
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1035.205+/-371.877 χ^2/NDF:27.3/34

Out: 234.957+/-366.045 χ^2/NDF:47.0/38

All: -390.085+/-260.870 χ^2/NDF: 80.2/73

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.918+/-0.304 χ^2/NDF:90424.8/19

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1730.176+/-0.310 χ^2/NDF:22759.6/18

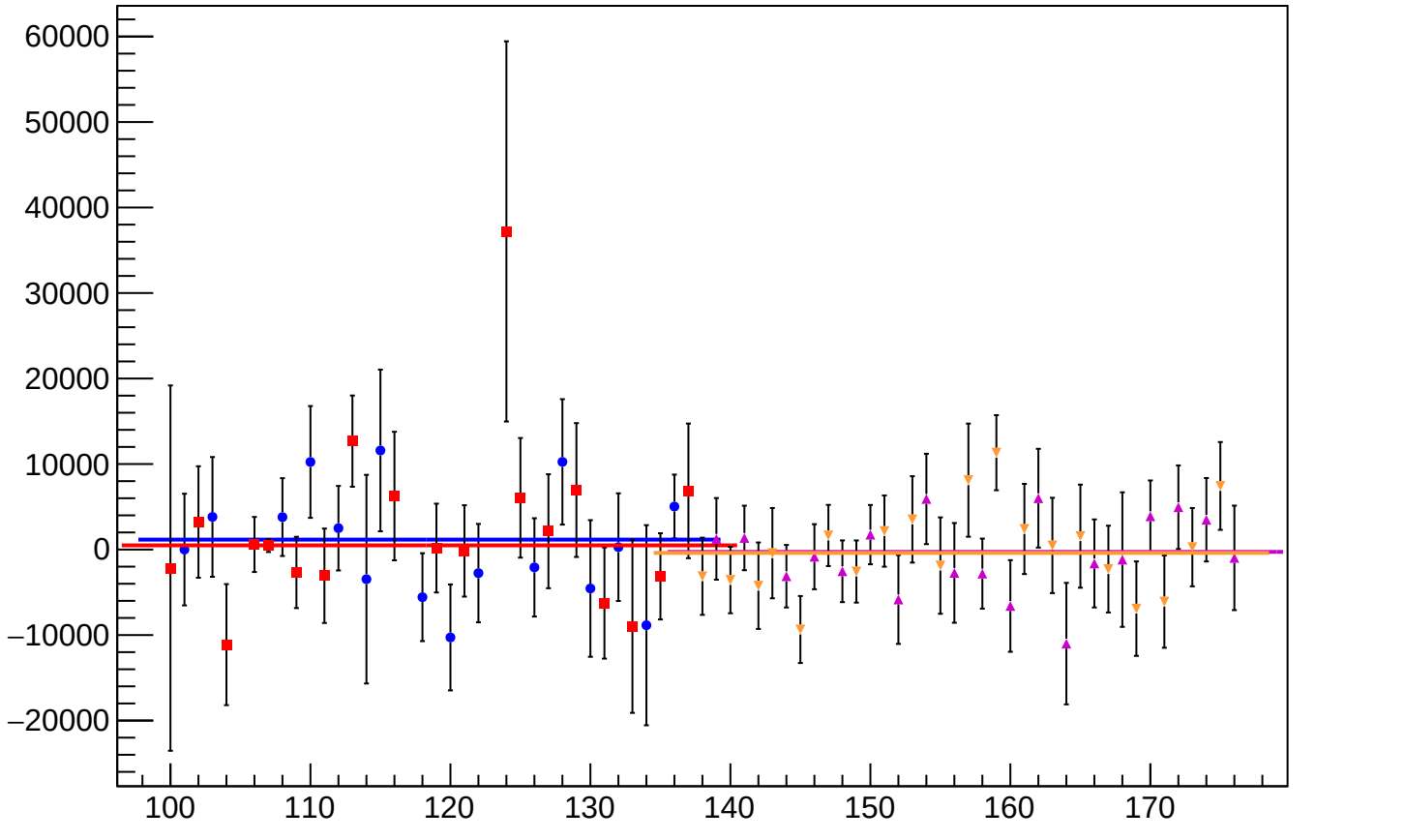
Left: 1719.314+/-0.217 χ^2/NDF: 115580.2/38

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1768.685+/-0.263 χ^2/NDF:333471.7/34

Out: 1755.160+/-0.259 χ^2/NDF:426865.7/38

All: 1761.814+/-0.184 χ^2/NDF: 761681.4/73



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.312 χ^2/NDF:22.8/19

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -273.784+/-1062.272 χ^2/NDF:12.4/18

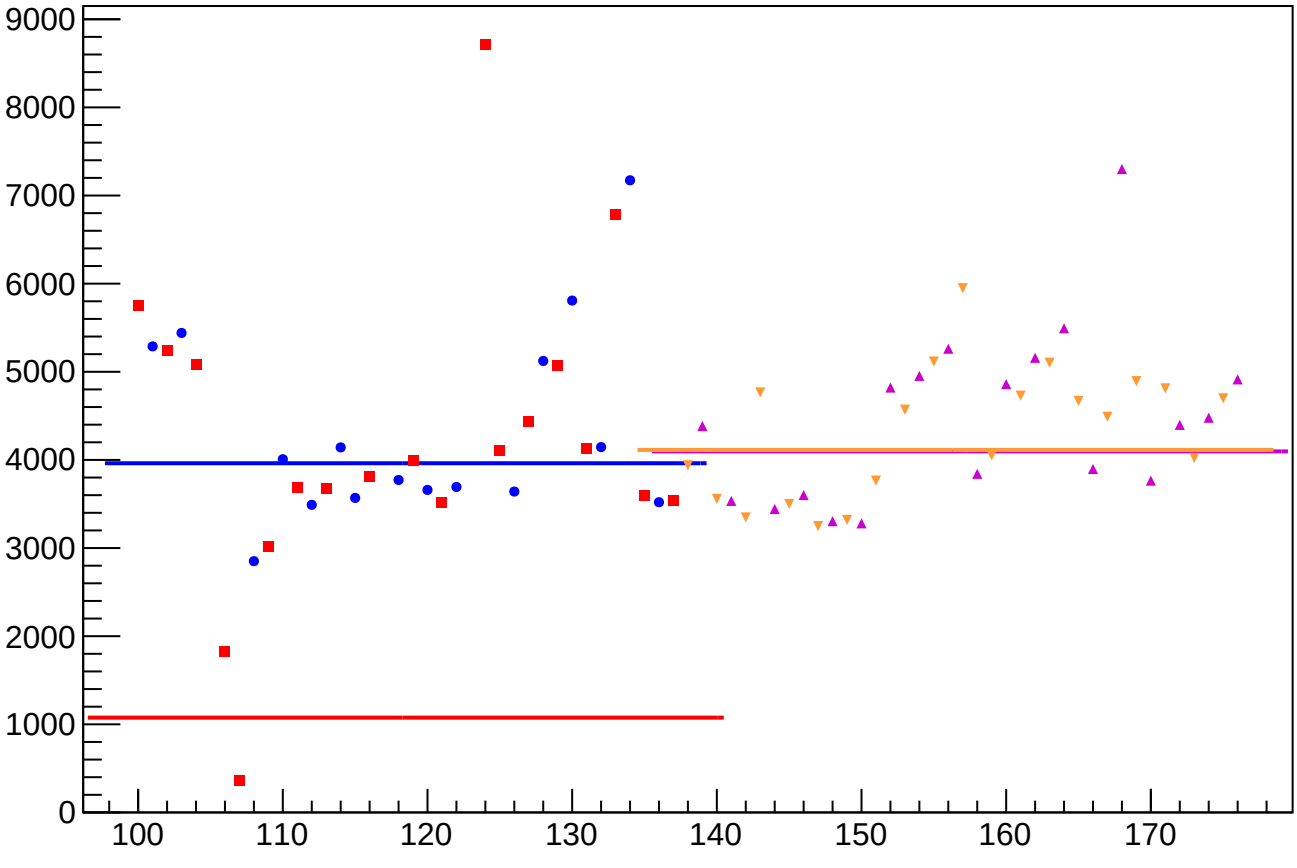
Left: -332.928+/-748.310 χ^2/NDF: 35.2/38

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 200.320+/-869.243 χ^2/NDF:26.7/34

Out: 244.801+/-558.519 χ^2/NDF:40.2/38

All: 231.803+/-469.883 χ^2/NDF: 66.9/73



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4113.322+/-0.746 χ^2/NDF:848436.4/19

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4096.751+/-0.751 χ^2/NDF:1123737.2/18

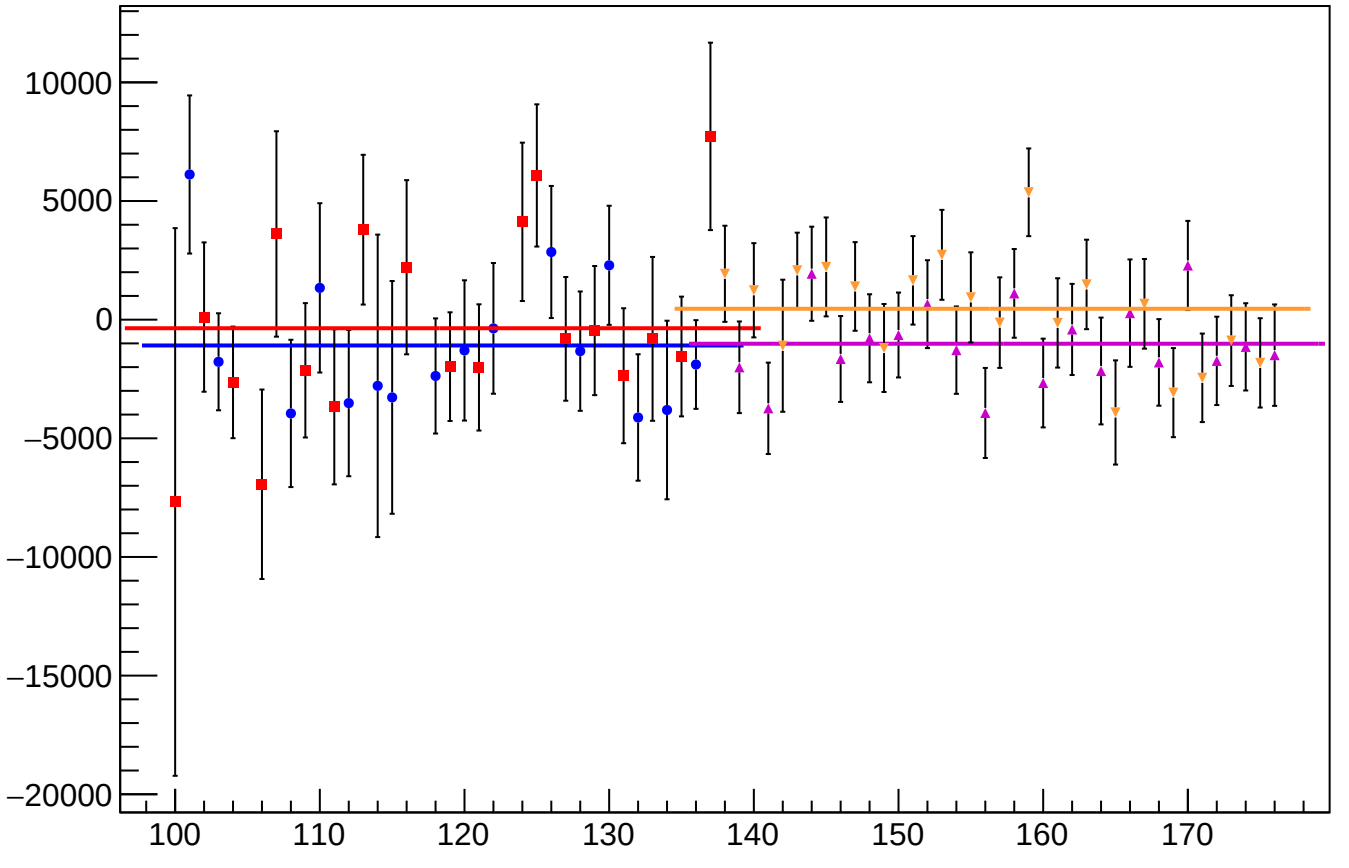
Left: 4105.099+/-0.529 χ^2/NDF: 1972418.7/38

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4052.350+/-0.615 χ^2/NDF:1802652.3/34

Out: 1928.340+/-0.395 χ^2/NDF:22347688.1/38

All: 2549.000+/-0.332 χ^2/NDF: 32602436.3/7



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 459.634+/-429.516 χ^2/NDF:25.2/19

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1014.519+/-439.046 χ^2/NDF:14.1/18

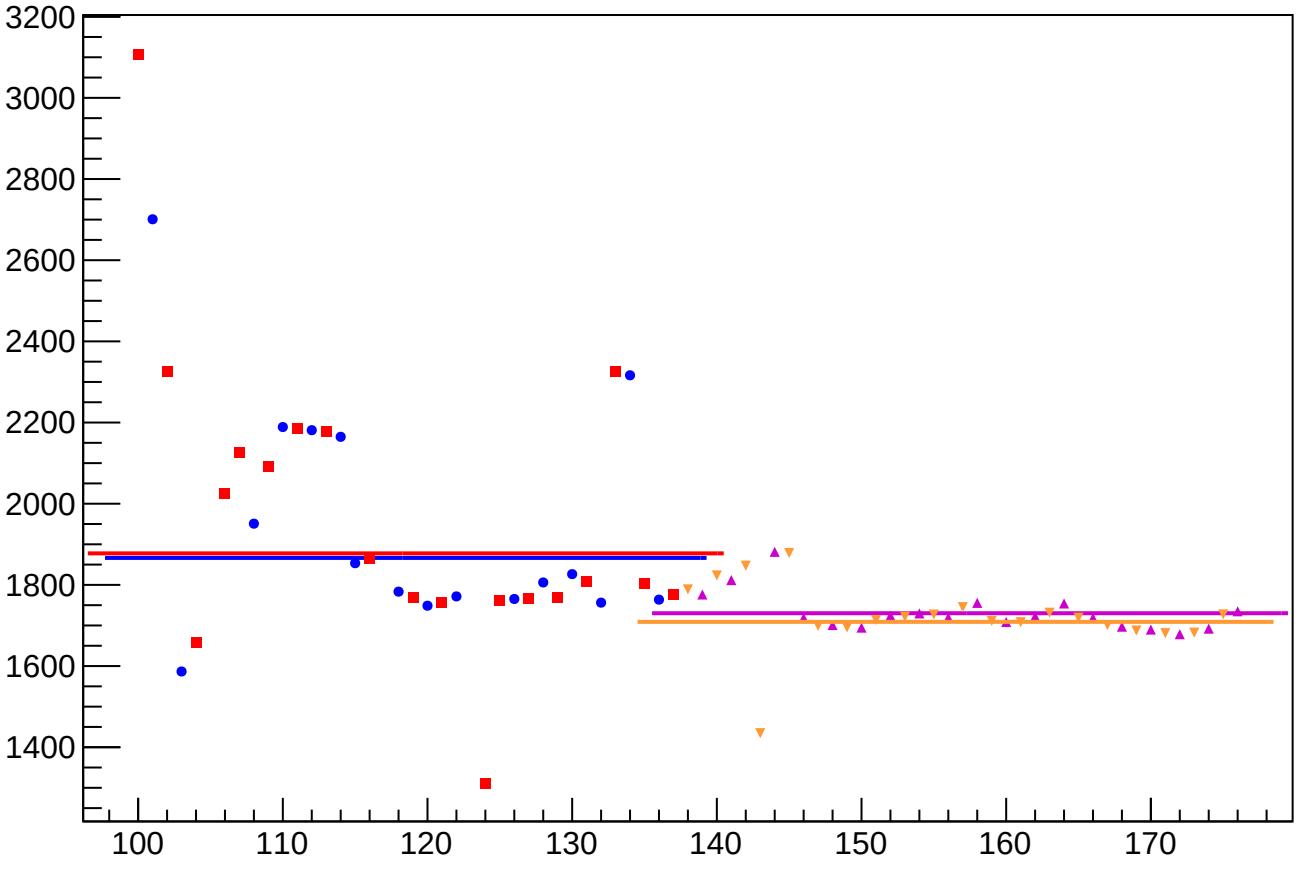
Left: -261.269+/-307.028 χ^2/NDF: 45.0/38

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1035.208+/-371.878 χ^2/NDF:27.3/34

Out: 234.958+/-366.045 χ^2/NDF:47.0/38

All: -390.086+/-260.871 χ^2/NDF: 80.2/73



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.919+/-0.304 χ^2/NDF:90424.0/19

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.177+/-0.310 χ^2/NDF:22759.6/18

Left: 1719.315+/-0.217 χ^2/NDF: 115579.4/38

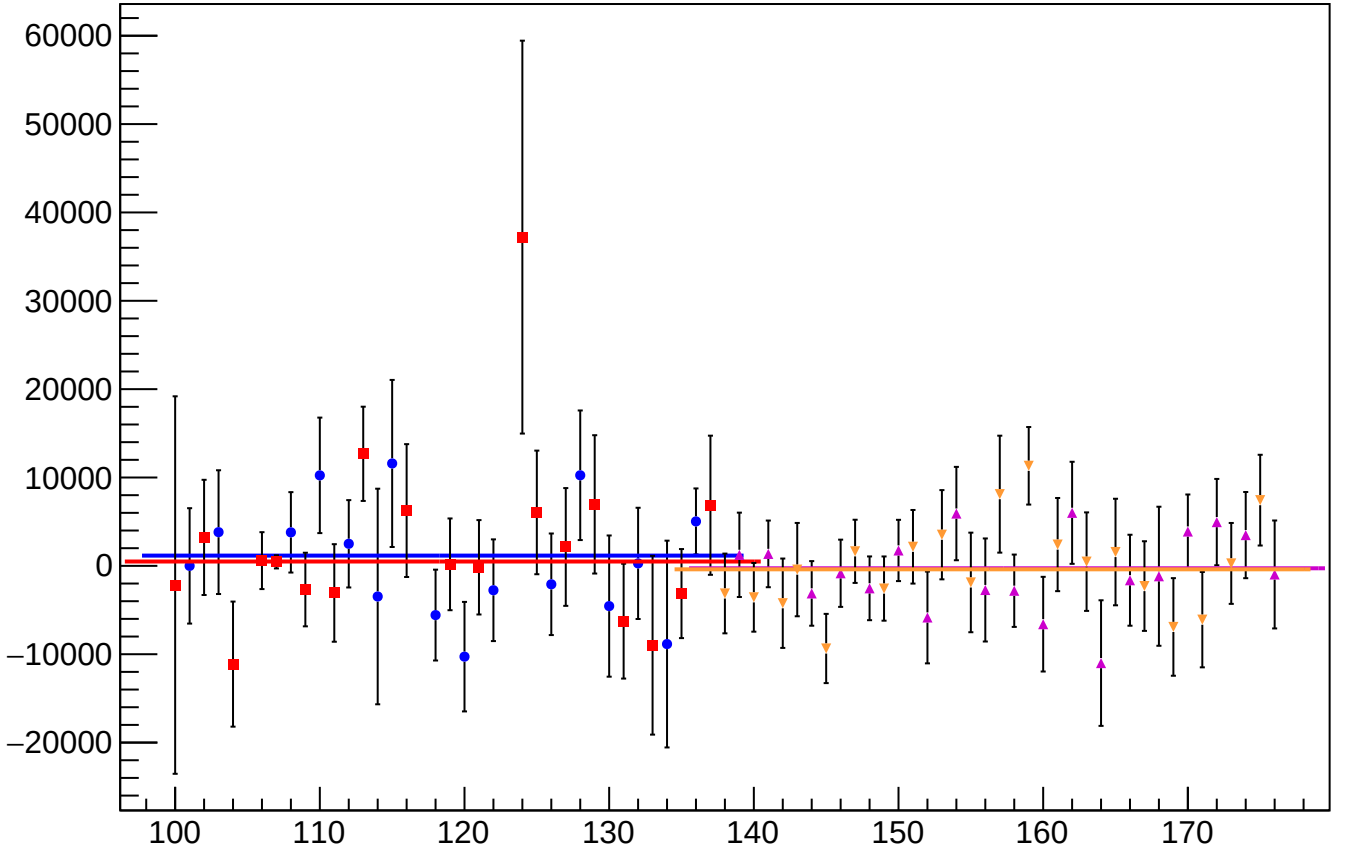
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1768.685+/-0.263 χ^2/NDF:333471.0/34

Out: 1755.160+/-0.259 χ^2/NDF:426864.4/38

All: 1761.814+/-0.184 χ^2/NDF: 761679.3/73

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -391.188+/-1054.314 χ^2/NDF:22.8/19

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -273.782+/-1062.274 χ^2/NDF:12.4/18

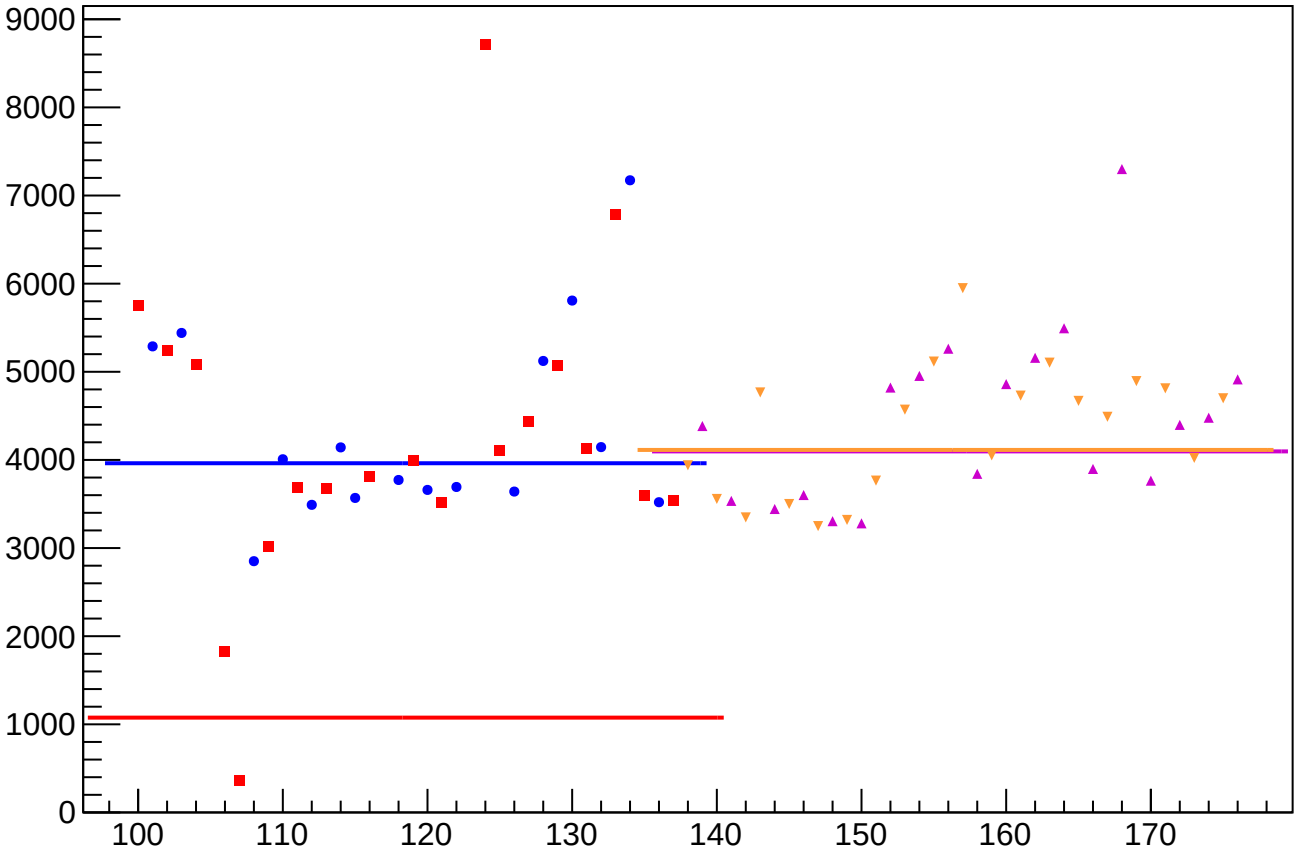
Left: -332.927+/-748.311 χ^2/NDF: 35.2/38

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 200.316+/-869.243 χ^2/NDF:26.7/34

Out: 244.801+/-558.526 χ^2/NDF:40.2/38

All: 231.802+/-469.887 χ^2/NDF: 66.9/73



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4113.327+/-0.746 χ^2/NDF:848436.2/19

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4096.757+/-0.751 χ^2/NDF:1123739.4/18

Left: 4105.105+/-0.529 χ^2/NDF: 1972420.7/38

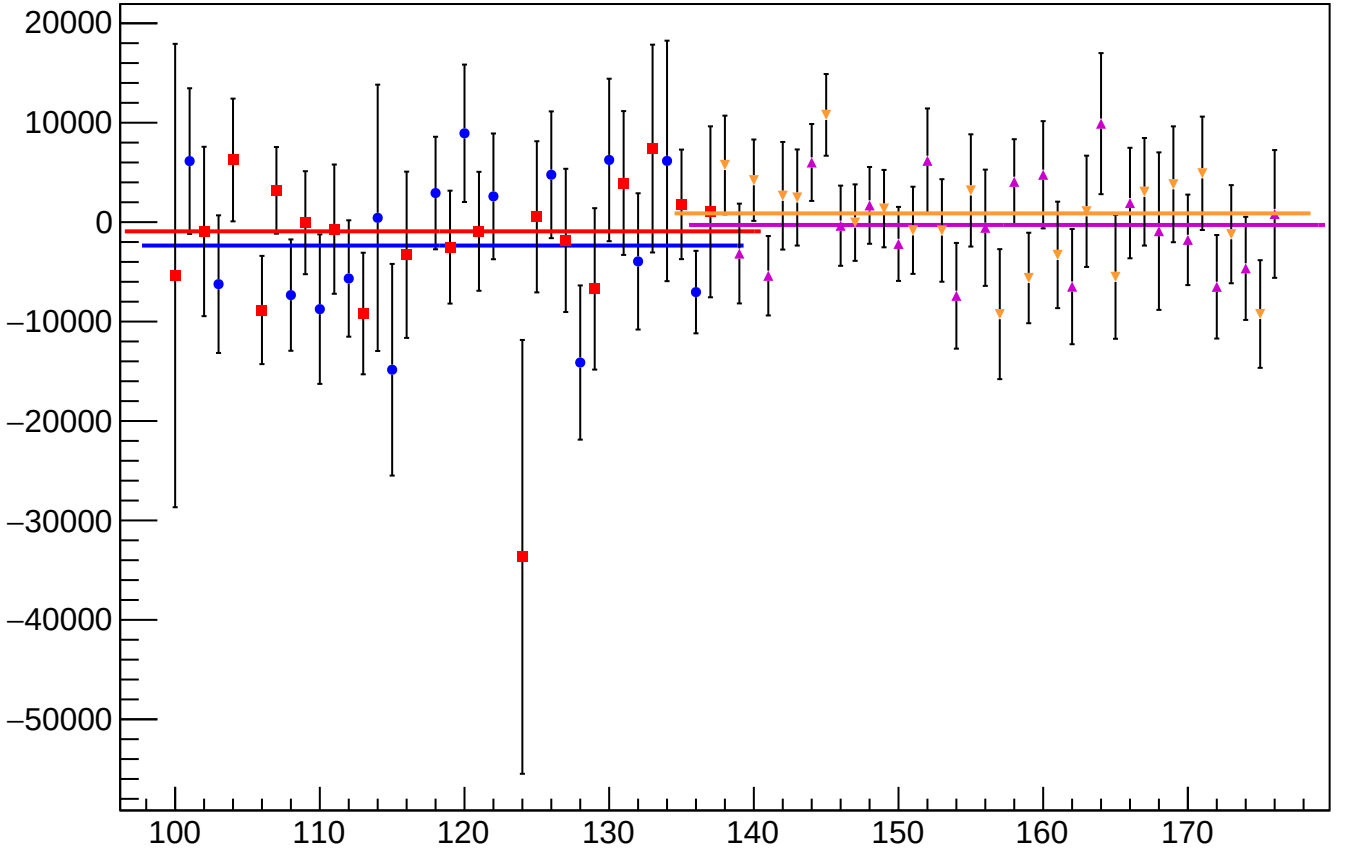
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4052.352+/-0.615 χ^2/NDF:1802652.7/34

Out: 1928.382+/-0.395 χ^2/NDF:22347226.9/38

All: 2549.041+/-0.332 χ^2/NDF: 32601587.3/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 881.816+/-1100.944 χ^2/NDF:18.8/19

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -282.031+/-1115.139 χ^2/NDF:16.0/18

Left: 307.347+/-783.455 χ^2/NDF: 35.4/38

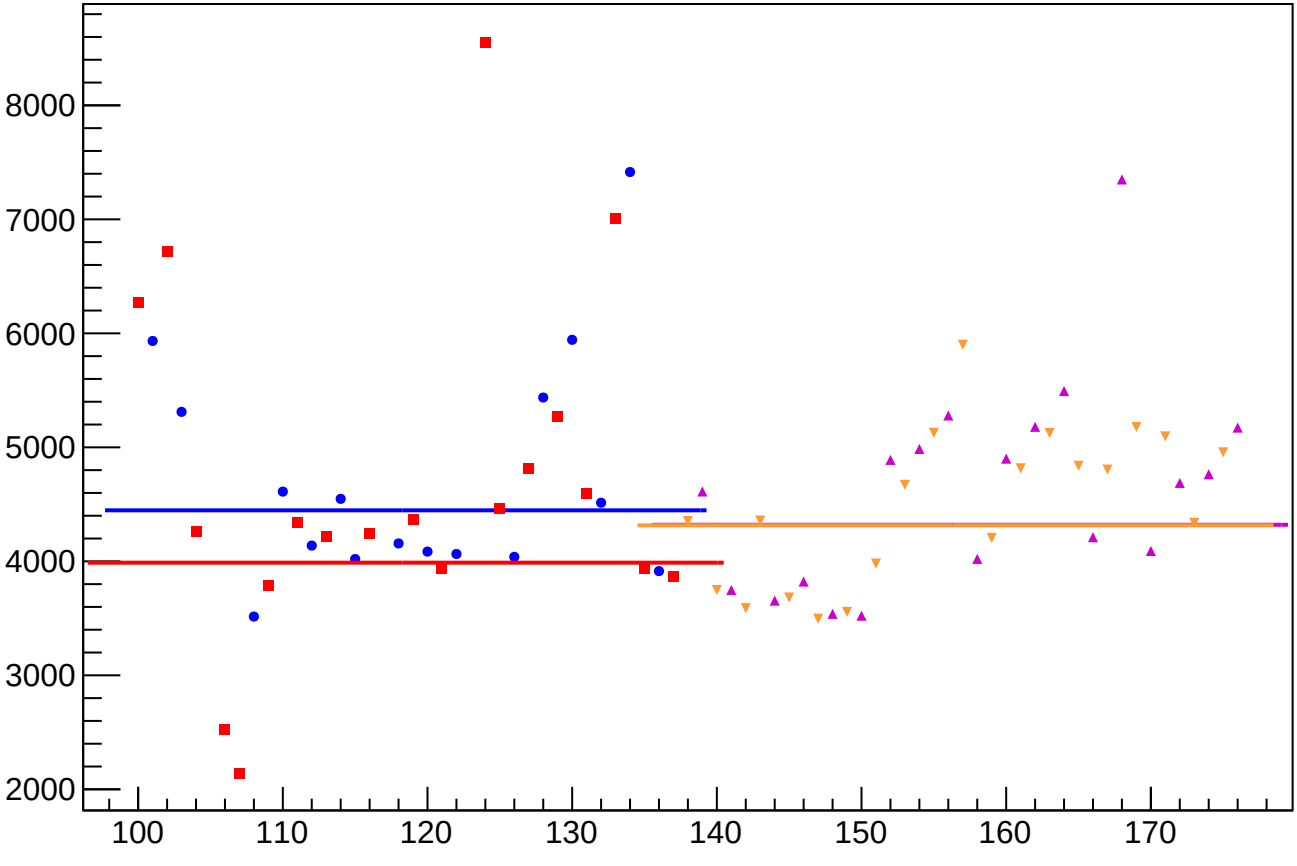
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -913.487+/-929.897 χ^2/NDF:32.6/34

Out: 274.352+/-896.964 χ^2/NDF:30.4/38

All: -298.161+/-645.578 χ^2/NDF: 63.8/73

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4315.997+/-0.778 χ^2/NDF:669532.5/19

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4320.538+/-0.789 χ^2/NDF:909432.6/18

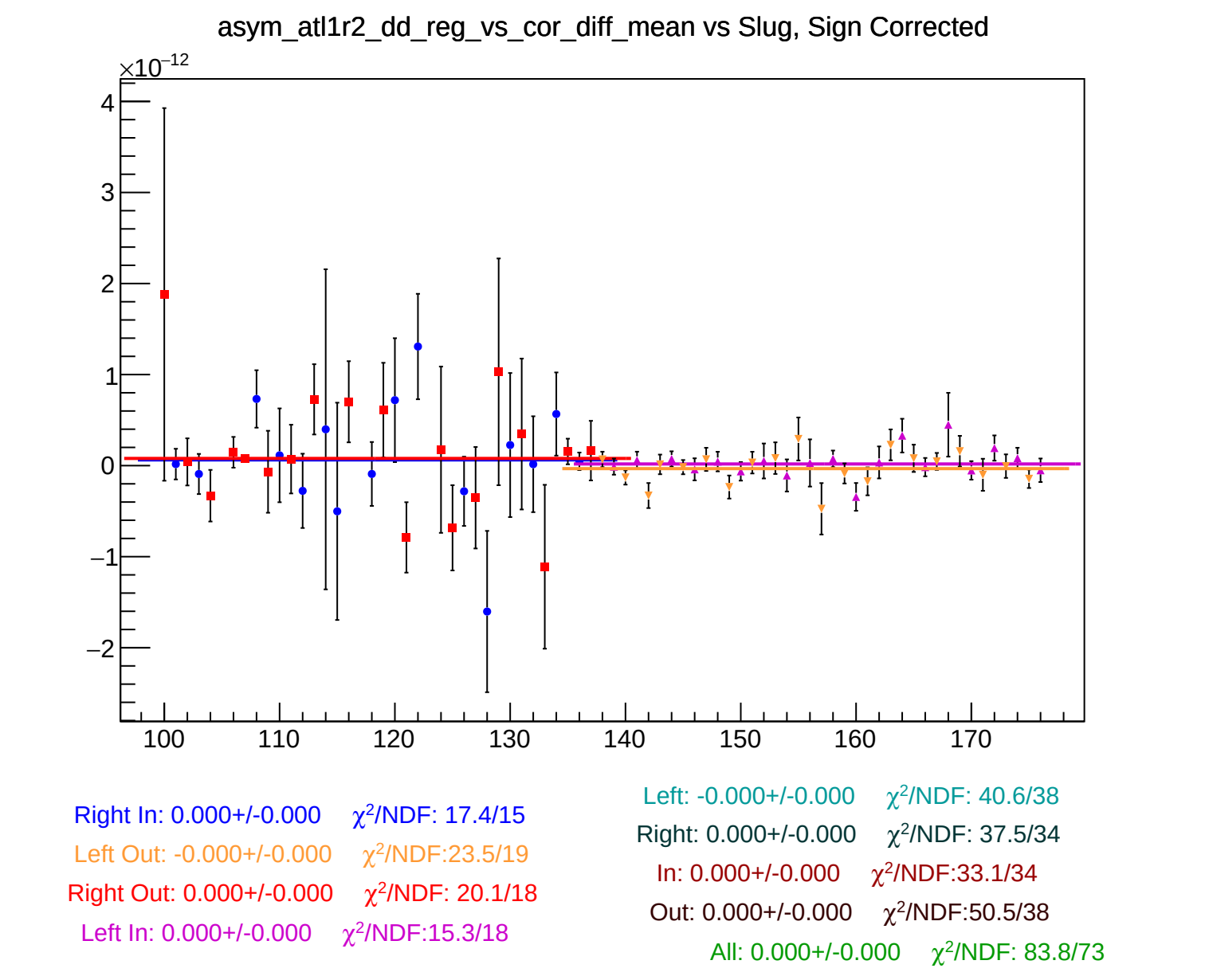
Left: 4318.238+/-0.554 χ^2/NDF: 1578982.0/38

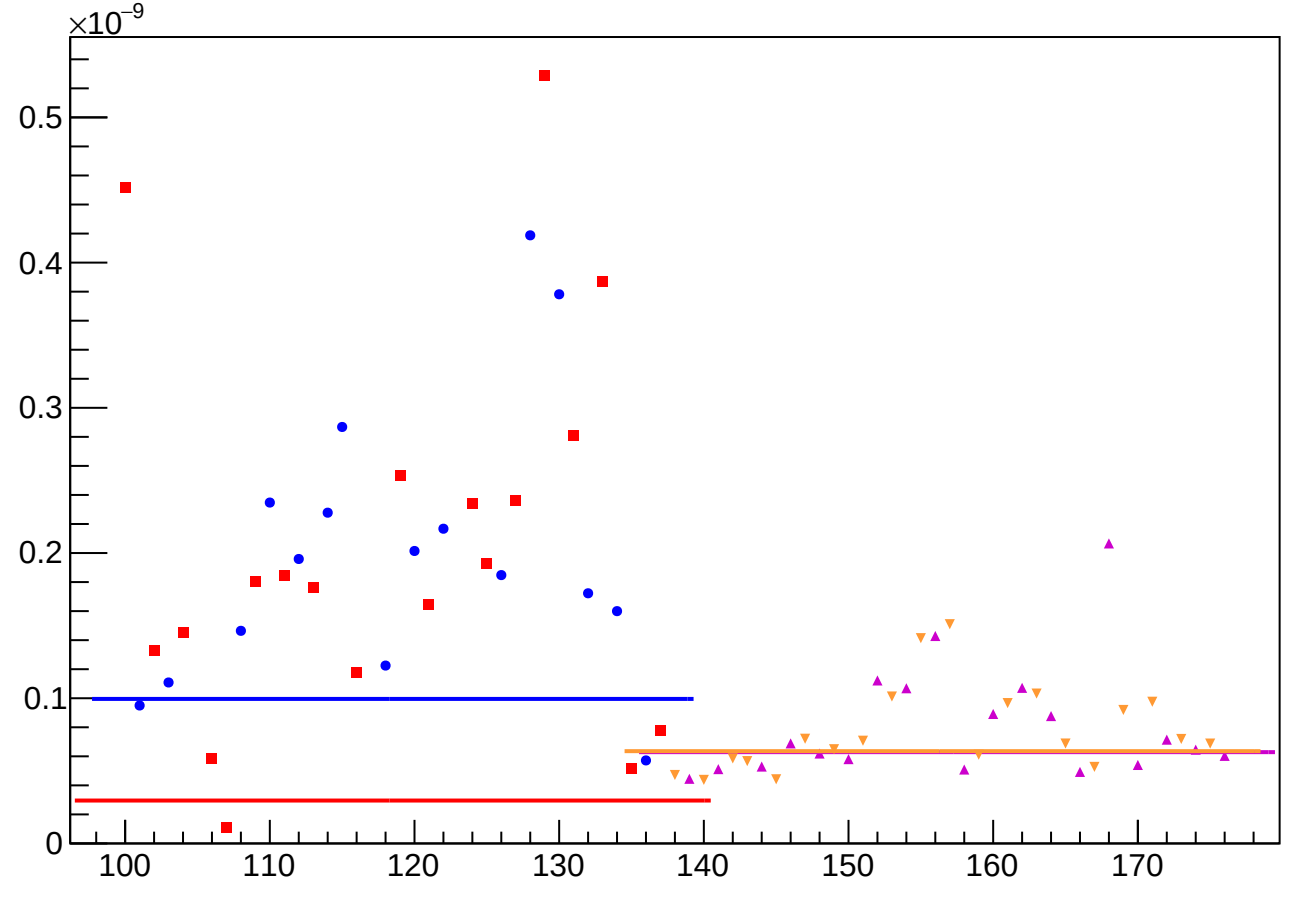
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4359.192+/-0.658 χ^2/NDF:1375572.1/34

Out: 4204.337+/-0.632 χ^2/NDF:1873851.1/38

All: 4278.713+/-0.456 χ^2/NDF: 3278248.2/73


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:15.3/18
Left: -0.000+/-0.000 χ²/NDF: 40.6/38
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:33.1/34
Out: 0.000+/-0.000 χ²/NDF:50.5/38
All: 0.000+/-0.000 χ²/NDF: 83.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1233595.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1255358.6/18

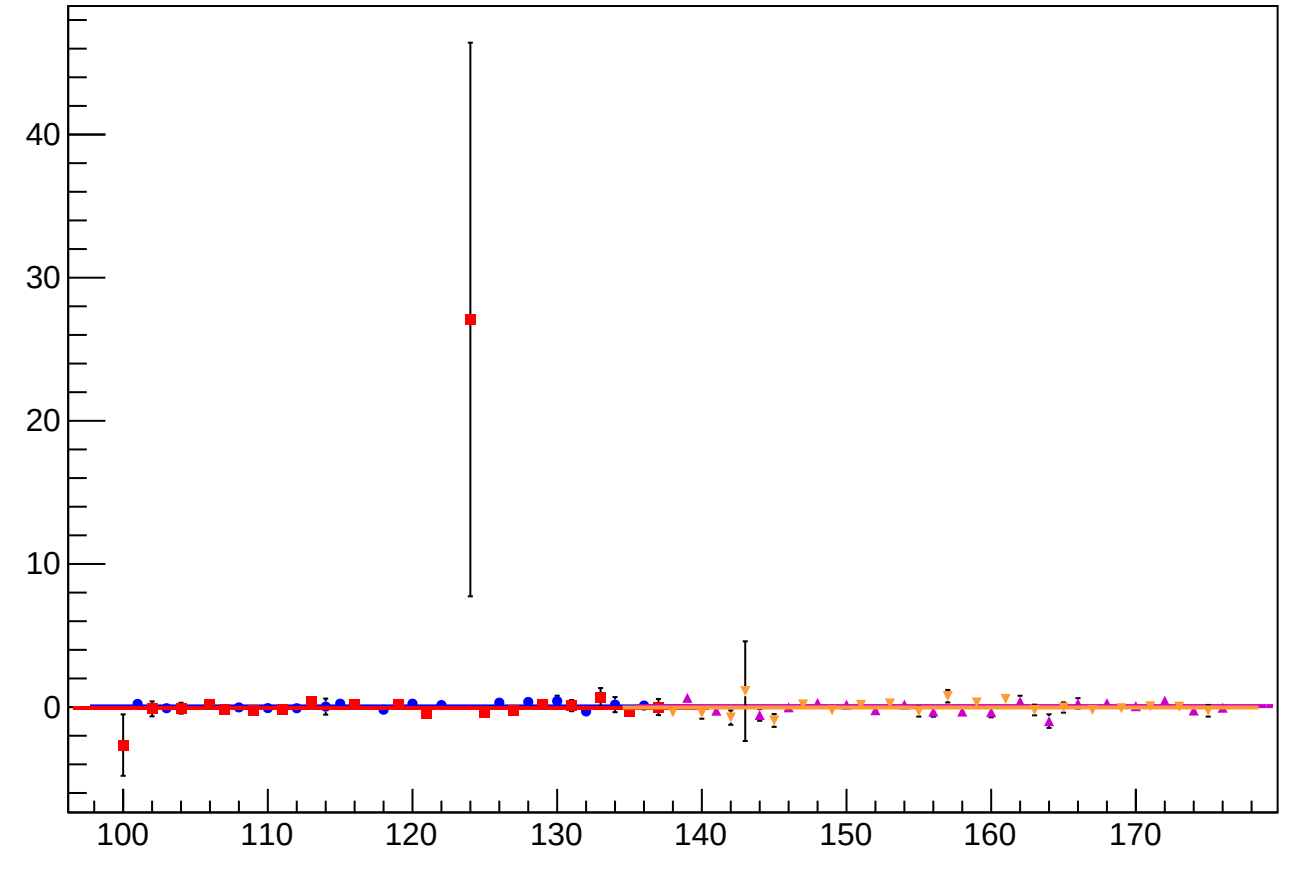
Left: 0.000+/-0.000 χ^2/NDF: 2489586.0/38

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3316700.9/34

Out: 0.000+/-0.000 χ^2/NDF:6869165.2/38

All: 0.000+/-0.000 χ^2/NDF: 10767928.6/73



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

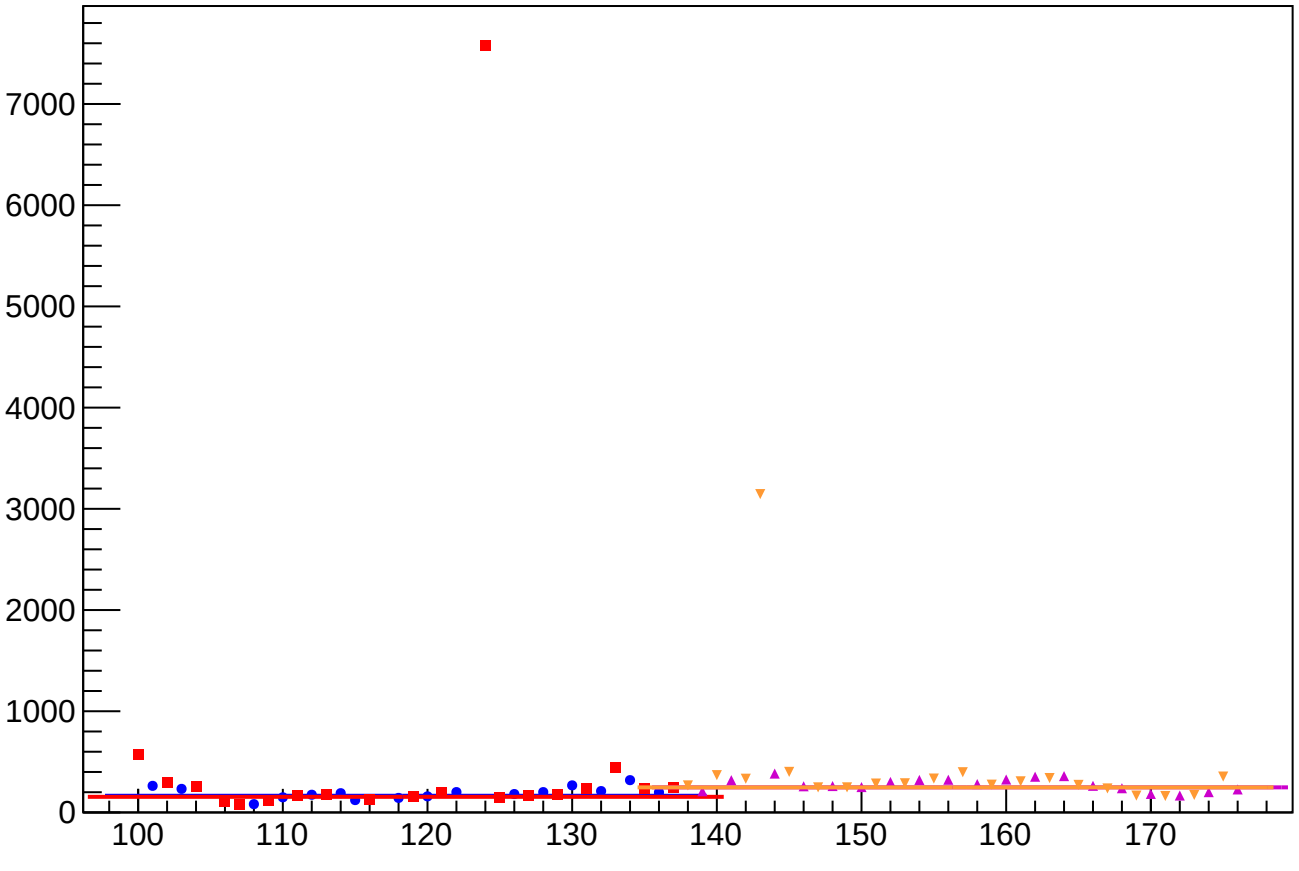
Left: 0.022+/-0.047 χ^2/NDF: 48.4/38

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/73



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

Left: 247.863+/-0.033 χ^2/NDF: 5318790.0/38

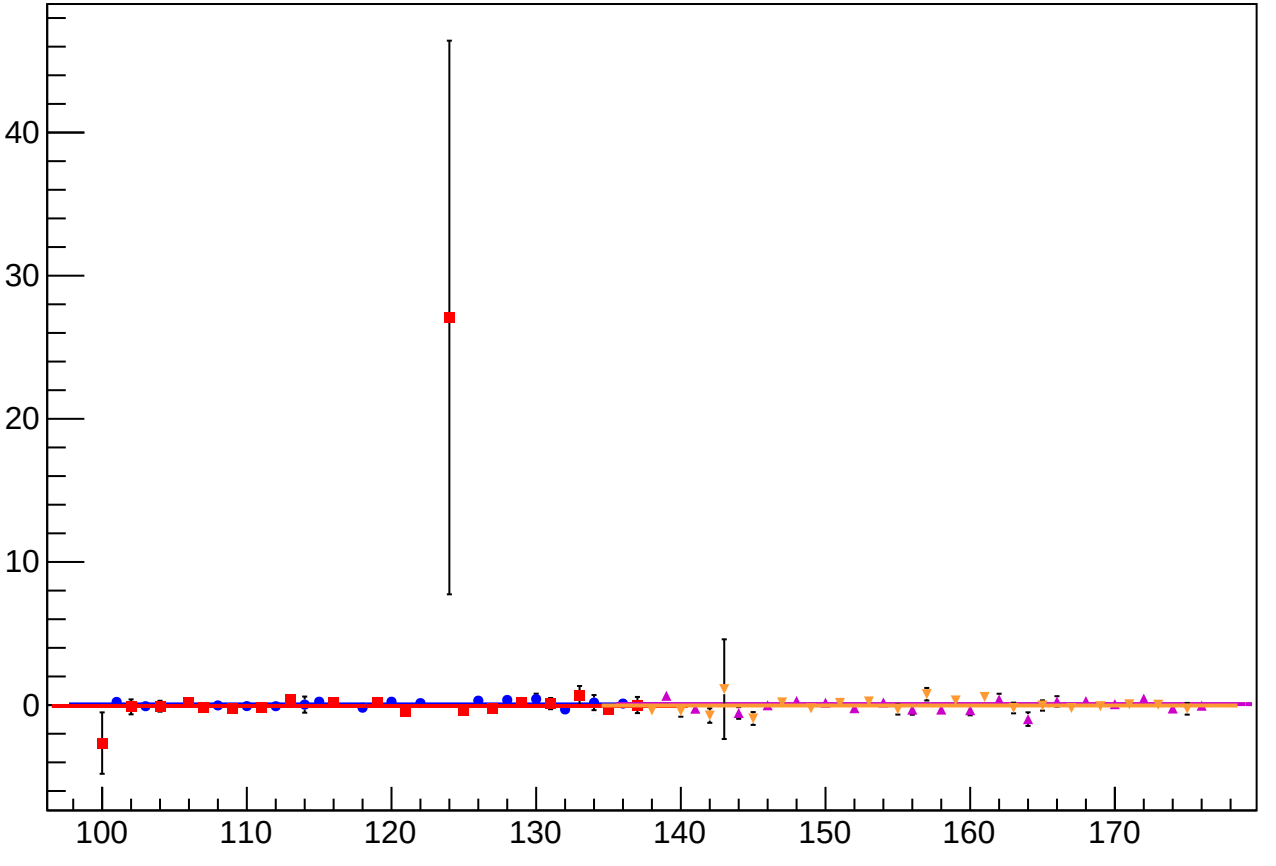
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.712+/-0.033 χ^2/NDF:4687030.9/34

Out: 199.126+/-0.033 χ^2/NDF:7619242.2/38

All: 202.894+/-0.023 χ^2/NDF: 12332734.6/73

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: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

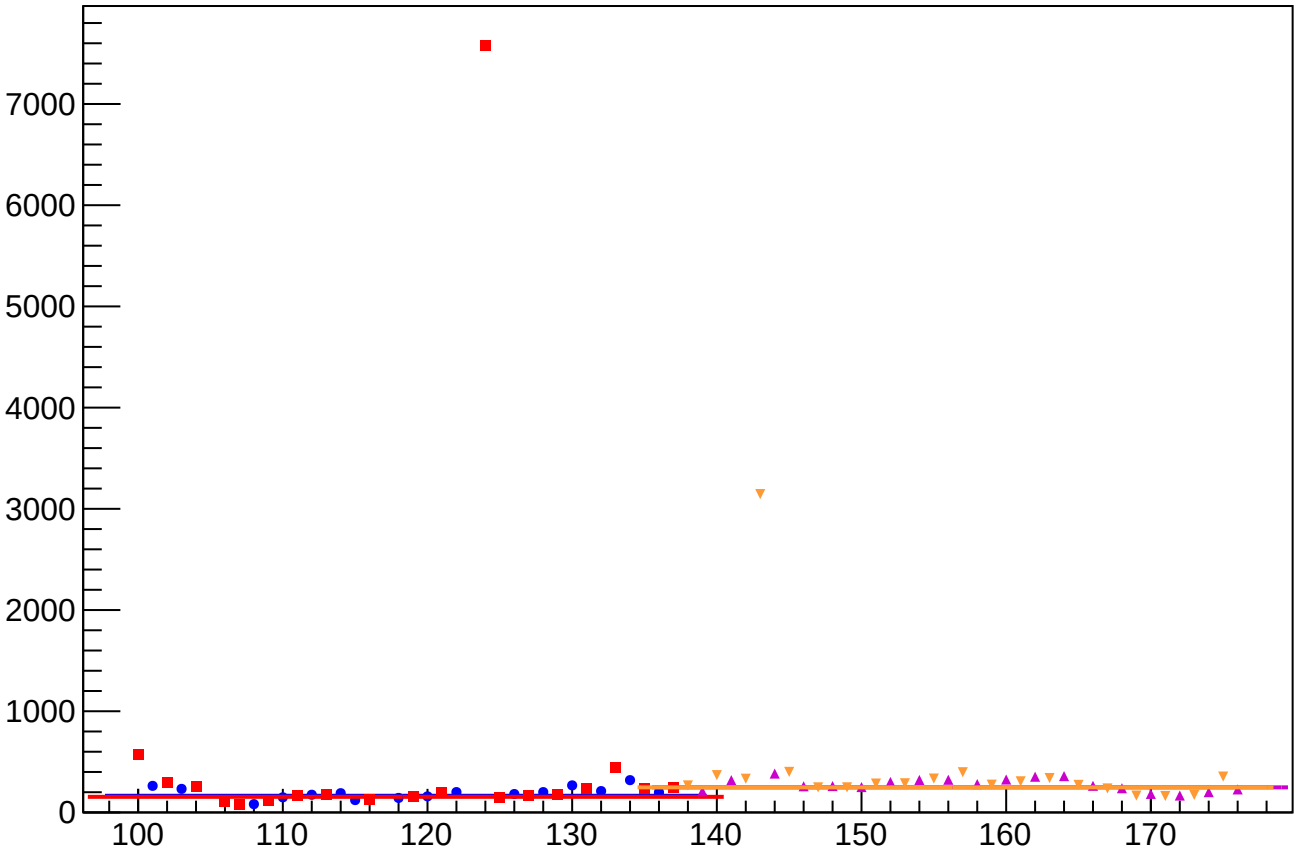
Left: 0.022+/-0.047 χ^2/NDF: 48.4/38

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/73



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 247.753+/-0.047 χ^2/NDF:3683857.2/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

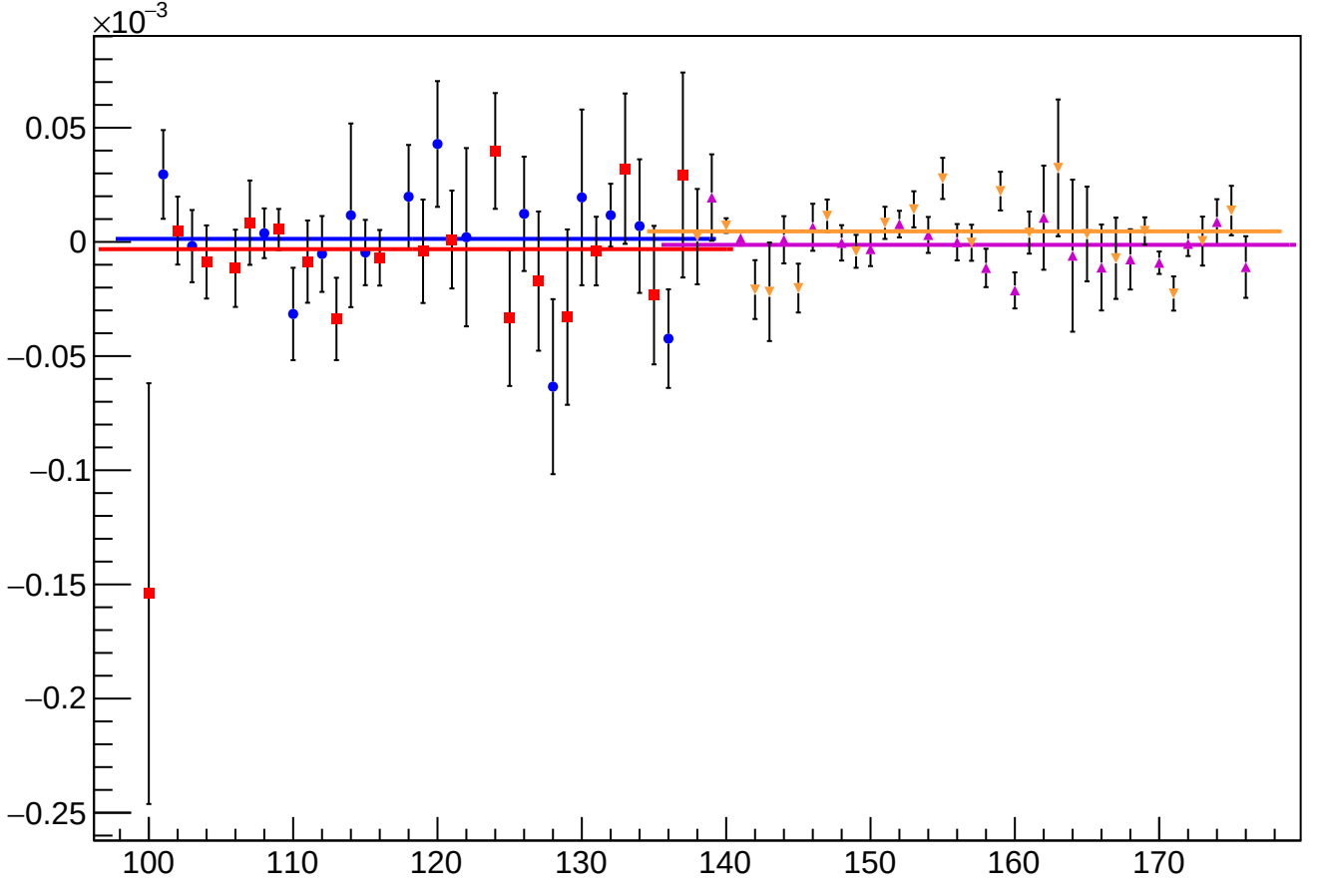
Left: 247.863+/-0.033 χ^2/NDF: 5318790.0/38

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.712+/-0.033 χ^2/NDF:4687030.9/34

Out: 199.126+/-0.033 χ^2/NDF:7619242.2/38

All: 202.894+/-0.023 χ^2/NDF: 12332734.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

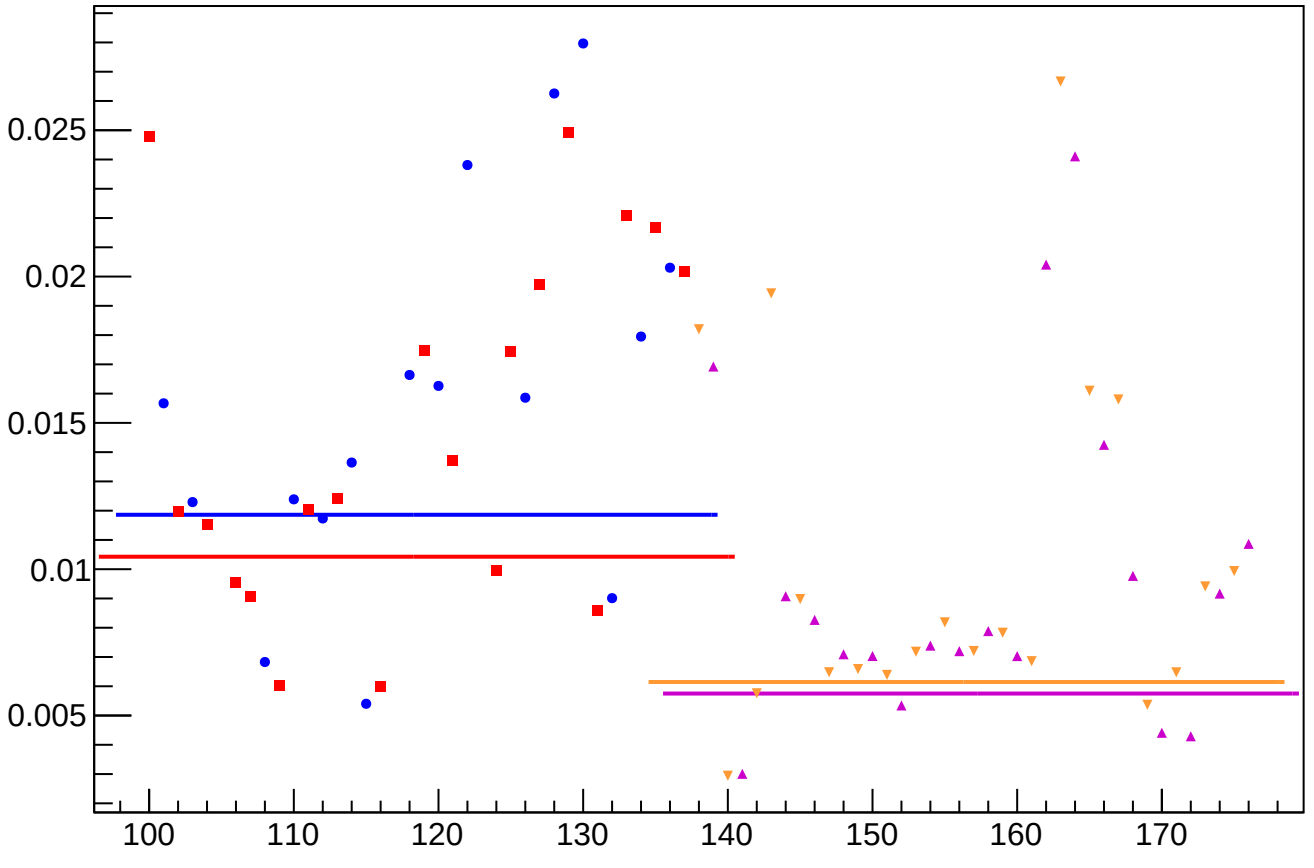
Left: 0.000+/-0.000 χ^2/NDF: 66.3/38

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:34.6/34

Out: 0.000+/-0.000 χ^2/NDF:59.8/38

All: 0.000+/-0.000 χ^2/NDF: 98.2/73



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:6290640.2/19

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5801969.2/18

Left: 0.006+/-0.000 χ^2/NDF: 12144119.3/38

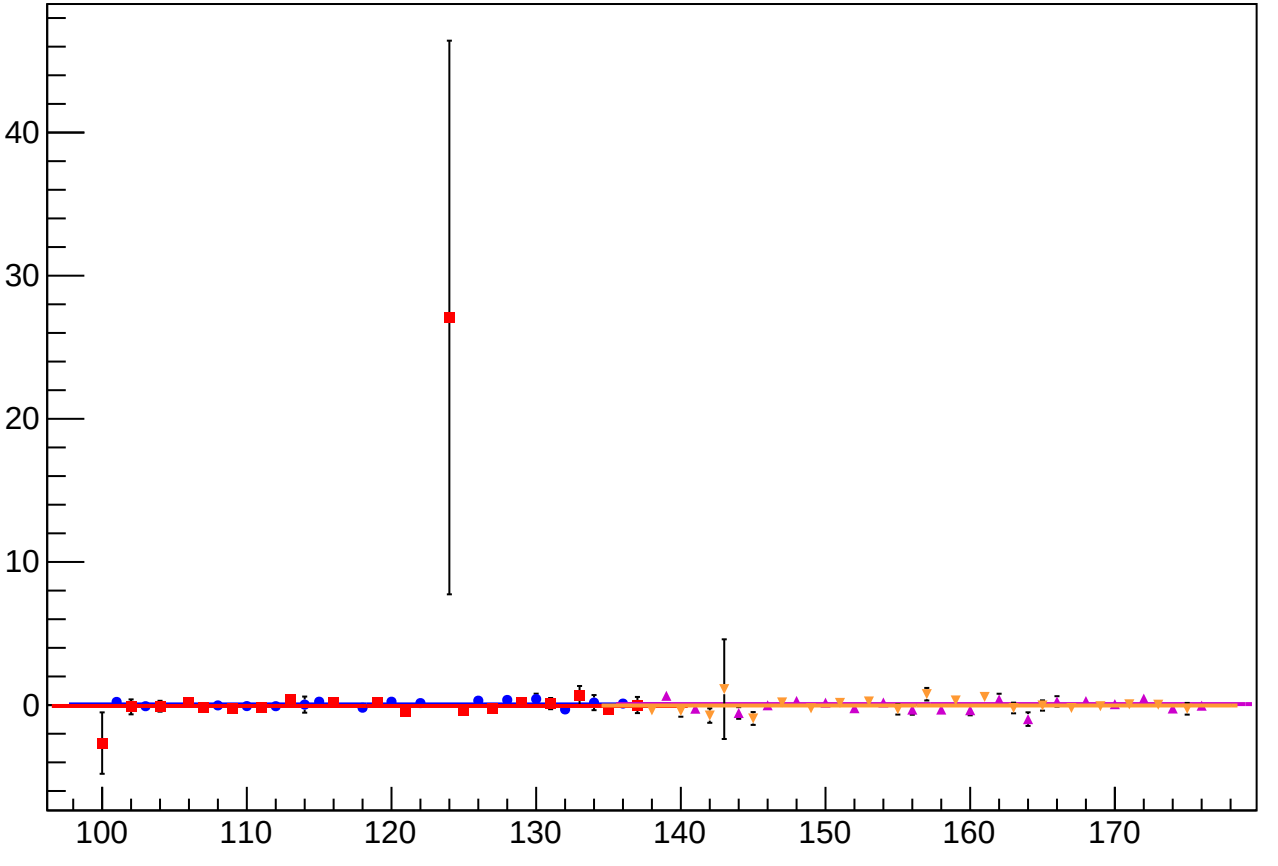
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:11012552.3/34

Out: 0.007+/-0.000 χ^2/NDF:10380043.7/38

All: 0.007+/-0.000 χ^2/NDF: 21447480.5/73

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: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

Left: 0.022+/-0.047 χ^2/NDF: 48.4/38

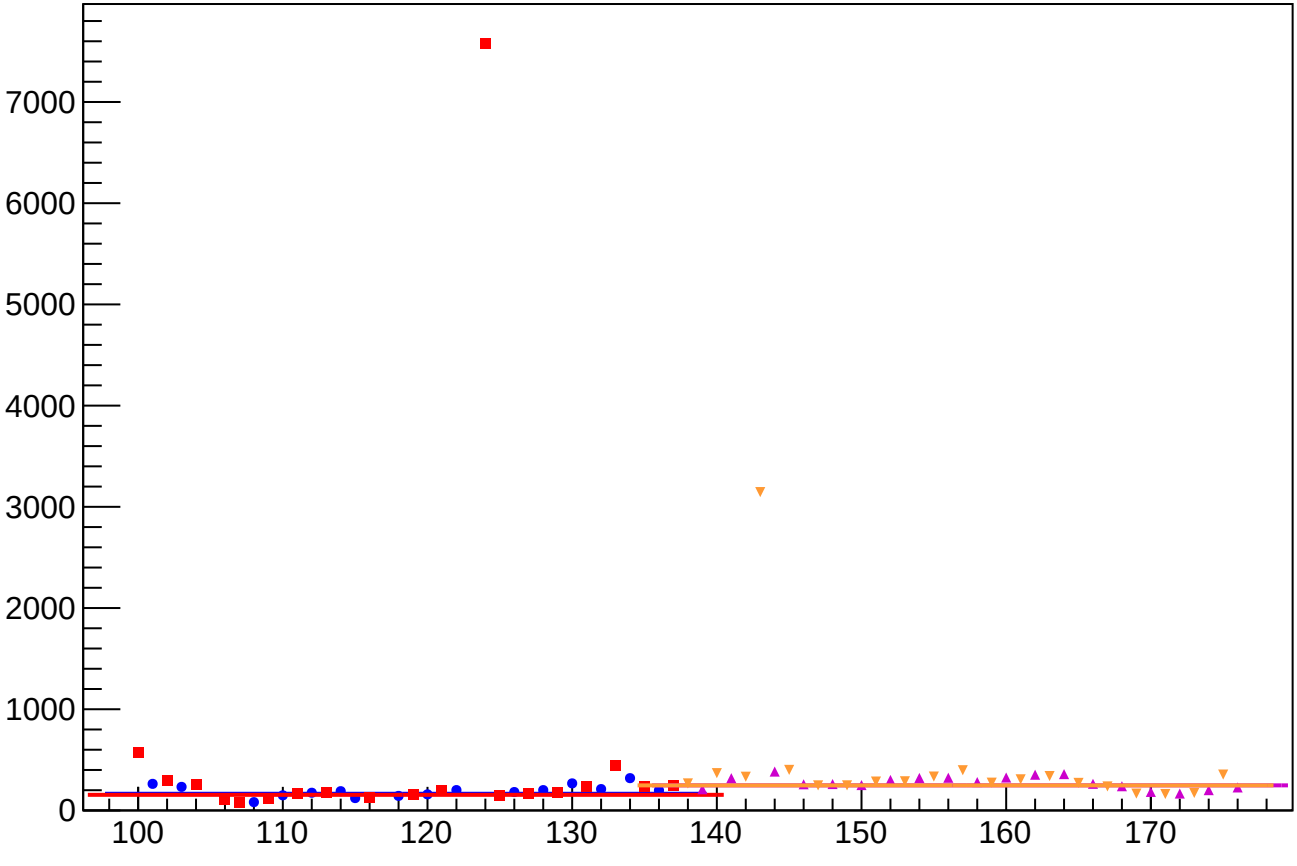
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/73

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 247.754+/-0.047 χ^2/NDF:3683975.1/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

Left: 247.864+/-0.033 χ^2/NDF: 5318955.7/38

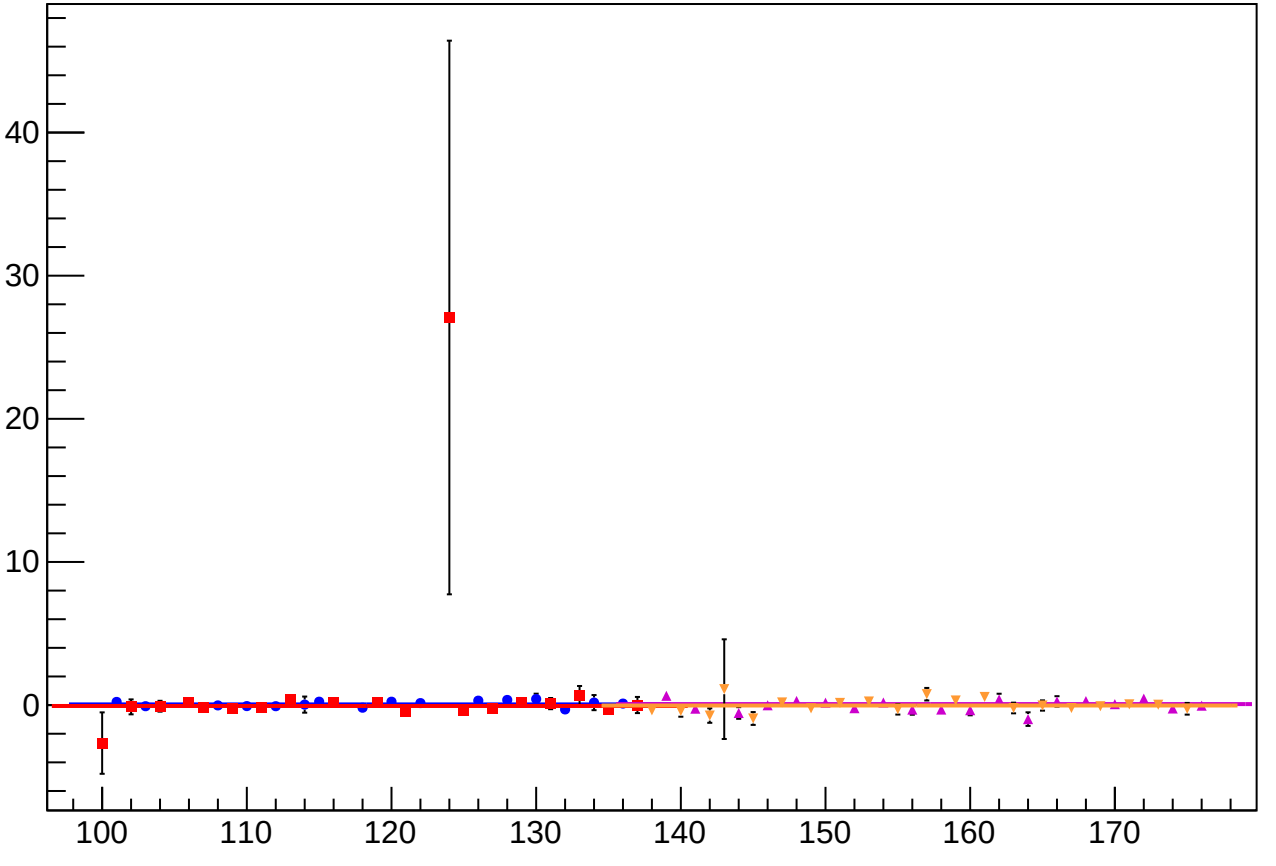
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.712+/-0.033 χ^2/NDF:4687139.0/34

Out: 199.126+/-0.033 χ^2/NDF:7619434.8/38

All: 202.894+/-0.023 χ^2/NDF: 12333038.3/73

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: -0.027+/-0.067 χ^2/NDF:19.8/19

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

Left: 0.022+/-0.047 χ^2/NDF: 48.4/38

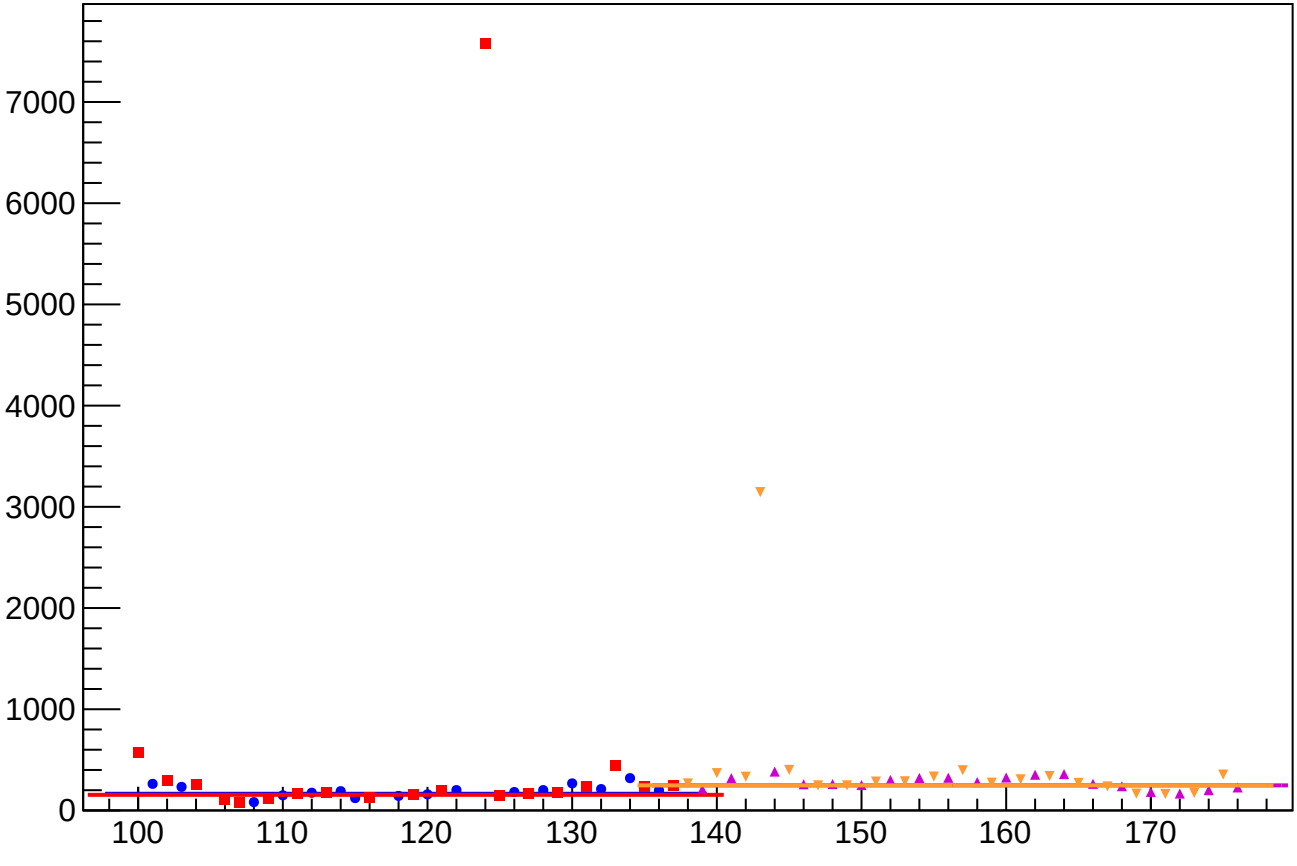
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.045+/-0.046 χ^2/NDF:38.4/38

All: 0.007+/-0.033 χ^2/NDF: 76.0/73

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: 247.754+/-0.047 χ^2/NDF:3683975.1/19

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

Left: 247.864+/-0.033 χ^2/NDF: 5318955.7/38

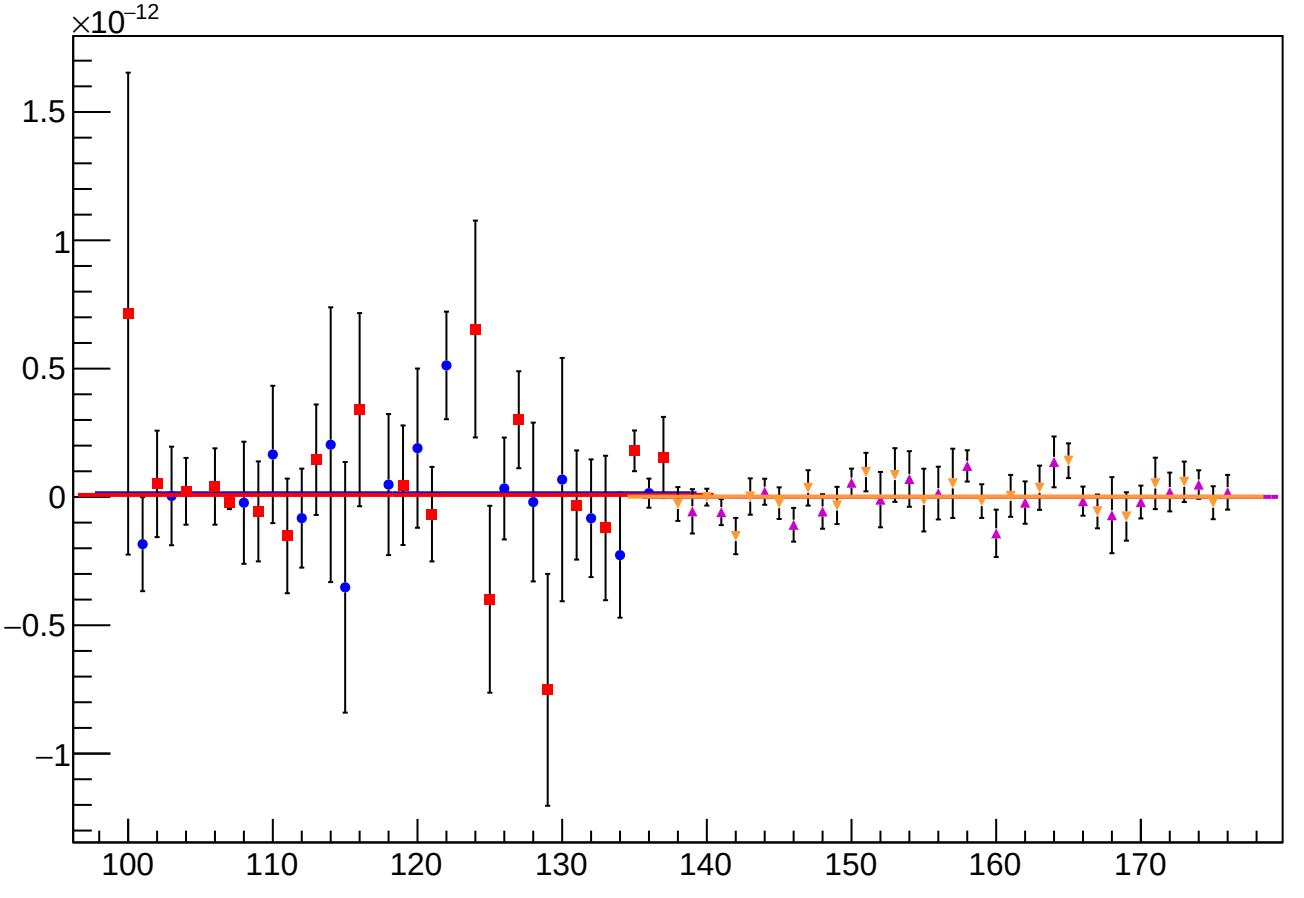
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.712+/-0.033 χ^2/NDF:4687139.0/34

Out: 199.126+/-0.033 χ^2/NDF:7619434.8/38

All: 202.894+/-0.023 χ^2/NDF: 12333038.3/73

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/18

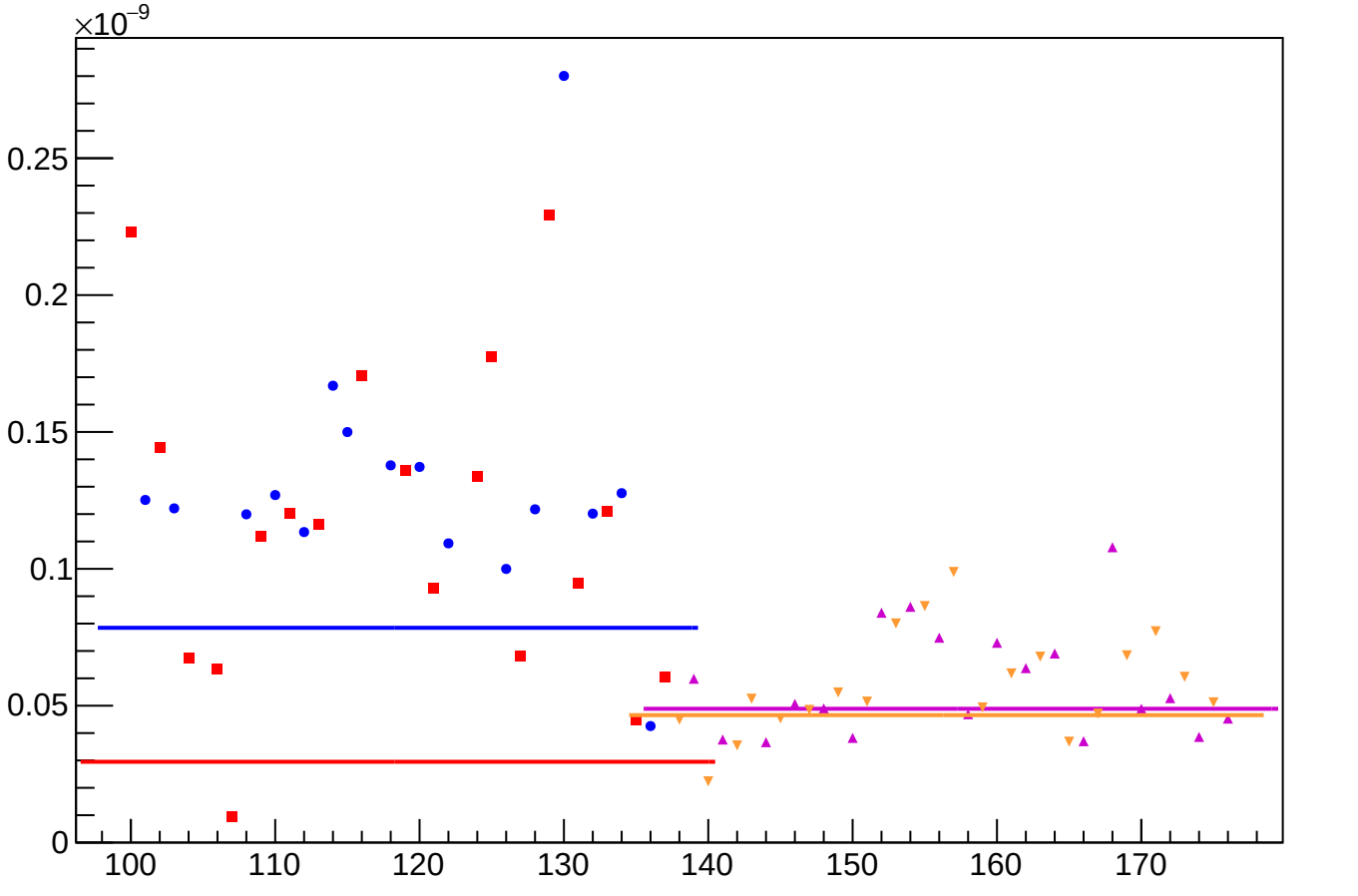
Left: 0.000+/-0.000 χ^2/NDF: 31.3/38

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:26.2/34

Out: 0.000+/-0.000 χ^2/NDF:33.3/38

All: 0.000+/-0.000 χ^2/NDF: 59.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2511105.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1667967.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4200982.5/38

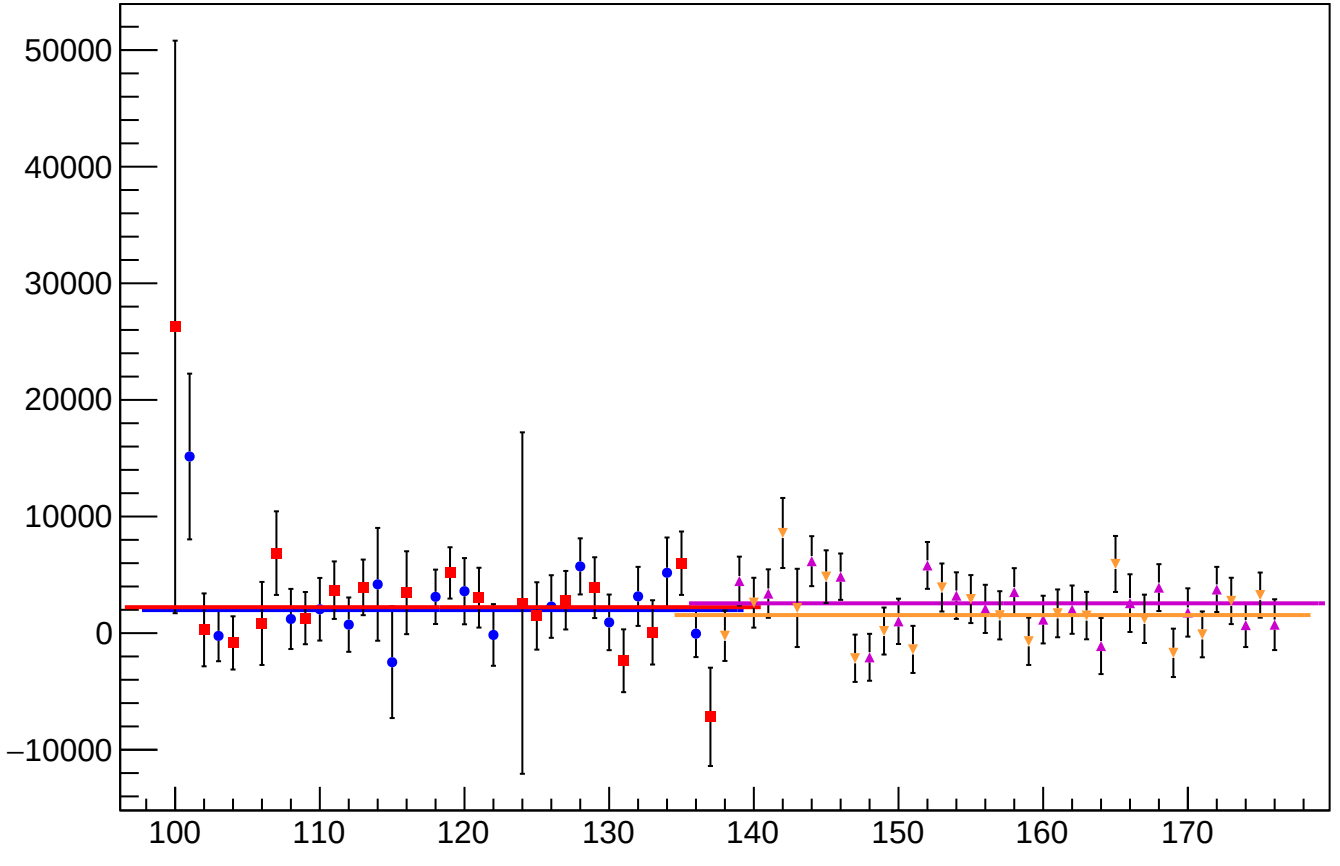
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4623236.2/34

Out: 0.000+/-0.000 χ^2/NDF:8757455.4/38

All: 0.000+/-0.000 χ^2/NDF: 14041371.3/73

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.103+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.309+/-473.400 χ^2/NDF:19.6/18

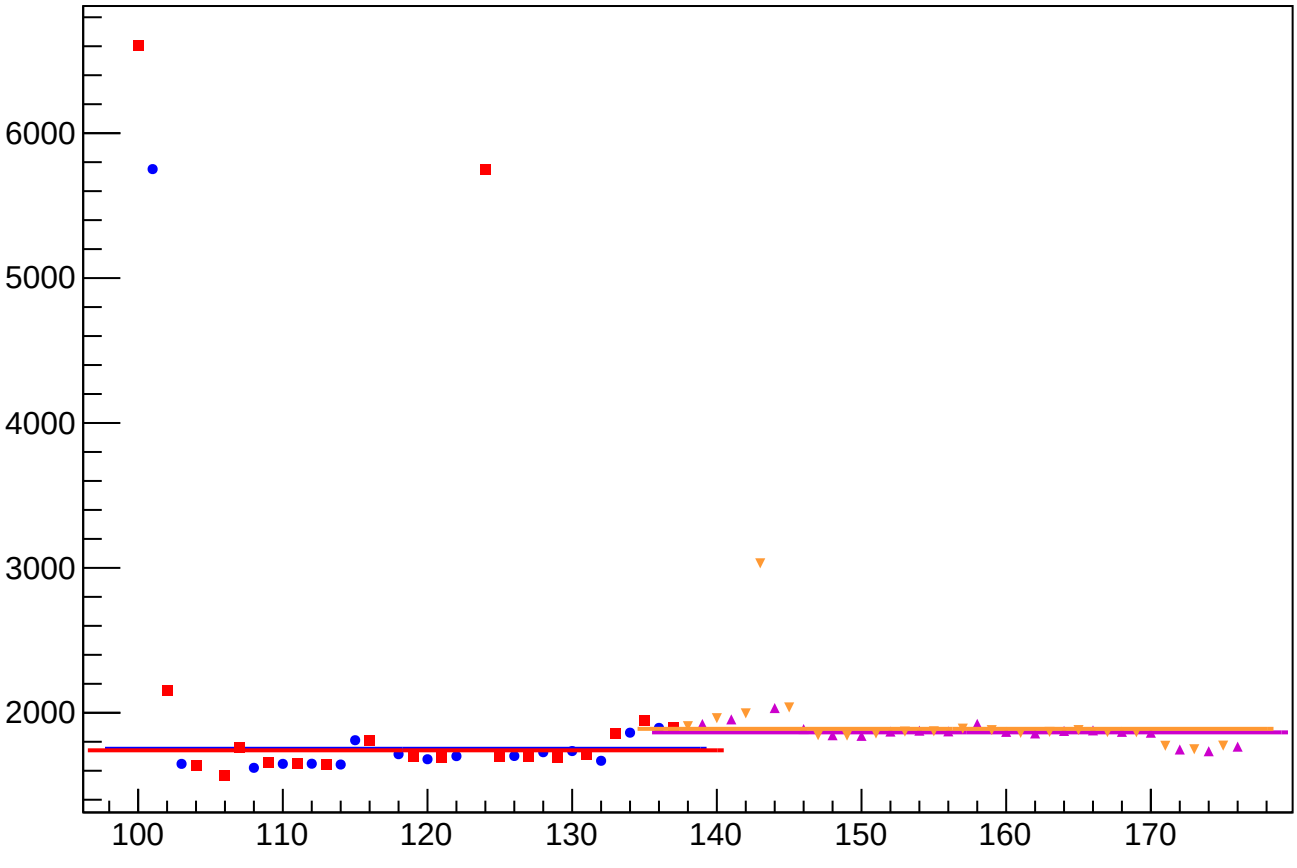
Left: 2056.229+/-335.746 χ^2/NDF: 47.0/38

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2362.951+/-386.186 χ^2/NDF:32.2/34

Out: 1782.656+/-385.452 χ^2/NDF:44.8/38

All: 2072.252+/-272.815 χ^2/NDF: 78.2/73



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1864.880+/-0.335 χ^2/NDF:41255.6/18

Left: 1877.007+/-0.237 χ^2/NDF: 317589.6/38

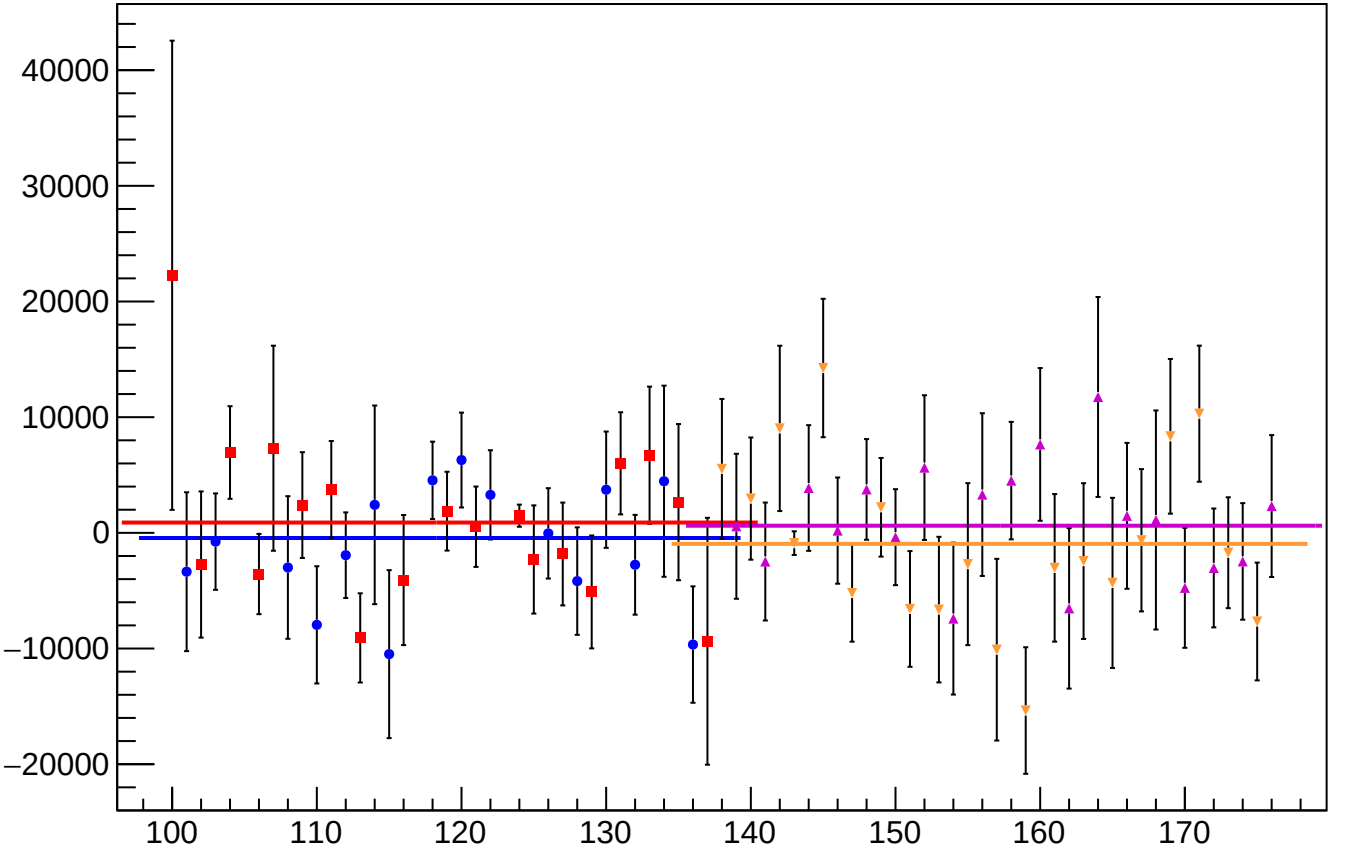
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1826.988+/-0.273 χ^2/NDF:750211.6/34

Out: 1837.654+/-0.272 χ^2/NDF:645827.7/38

All: 1832.345+/-0.193 χ^2/NDF: 1396805.3/73

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -951.158+/-806.074 χ^2/NDF:29.8/19

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 617.539+/-1292.788 χ^2/NDF:10.1/18

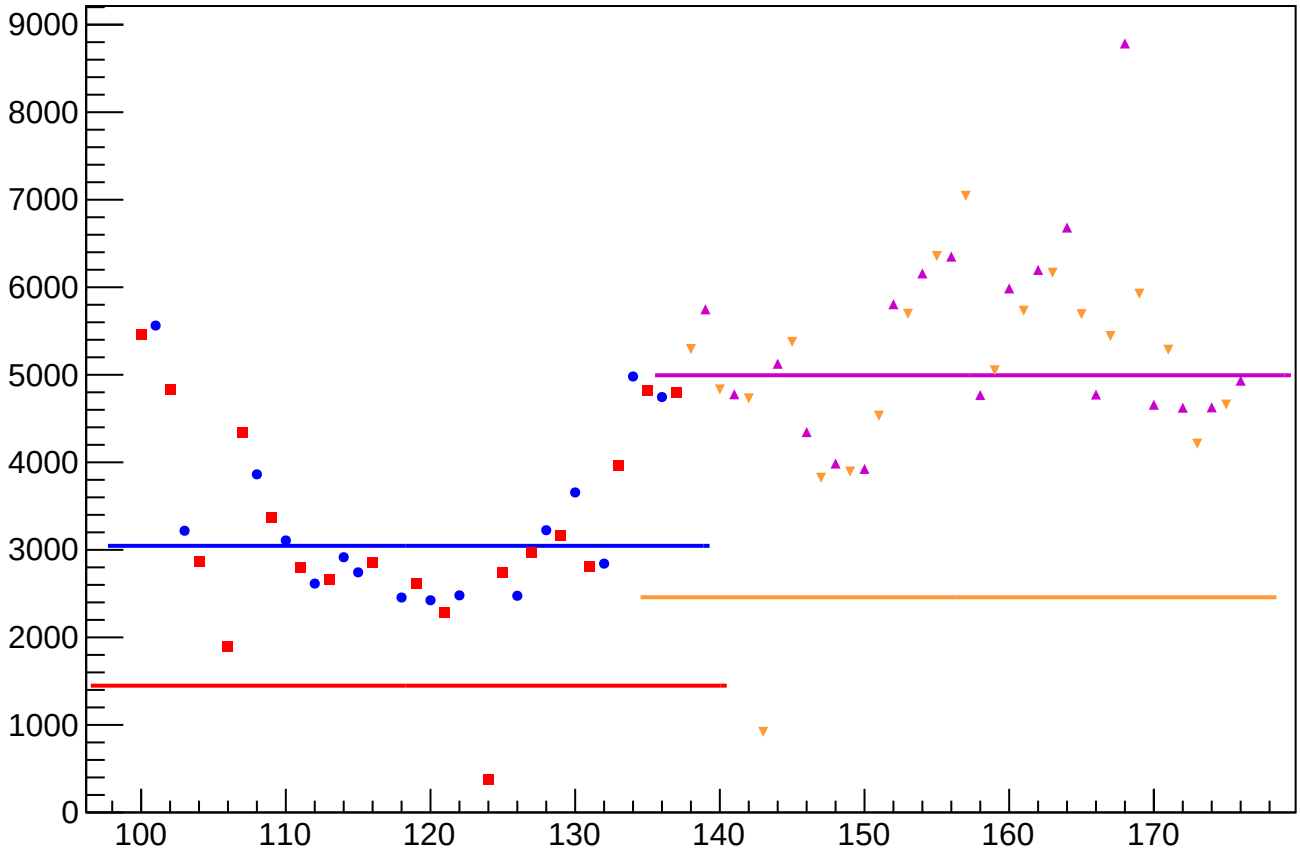
Left: -512.017+/-684.005 χ^2/NDF: 41.0/38

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 35.820+/-869.294 χ^2/NDF:26.4/34

Out: 66.953+/-539.346 χ^2/NDF:52.8/38

All: 58.300+/-458.301 χ^2/NDF: 79.2/73



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2458.347+/-0.570 χ^2/NDF:12741237.5/19

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022872.2/18

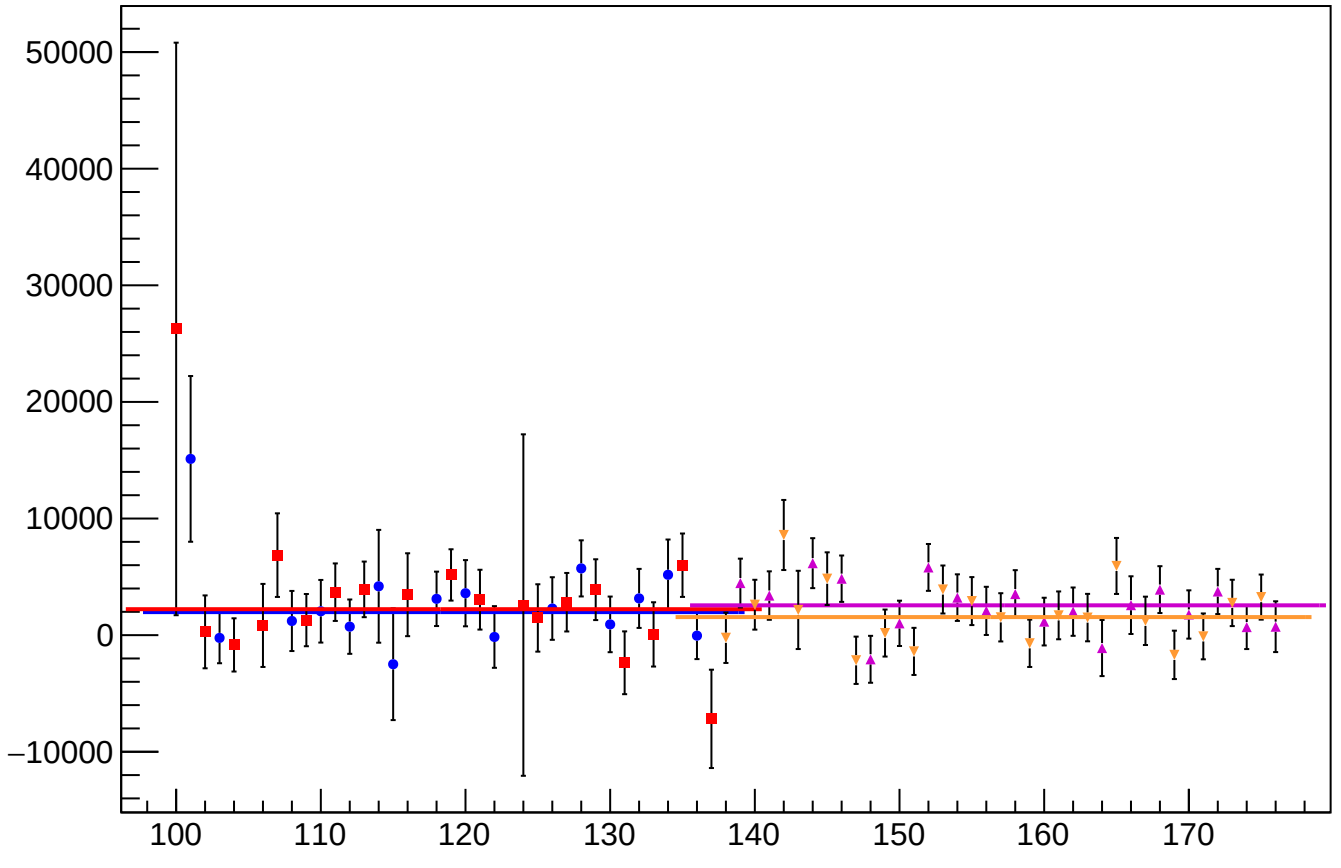
Left: 3168.362+/-0.484 χ^2/NDF: 19307186.2/38

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3927.034+/-0.615 χ^2/NDF:4419977.4/34

Out: 1900.617+/-0.381 χ^2/NDF:21261771.4/38

All: 2463.862+/-0.324 χ^2/NDF: 33529065.4/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.364+/-473.400 χ^2/NDF:19.6/18

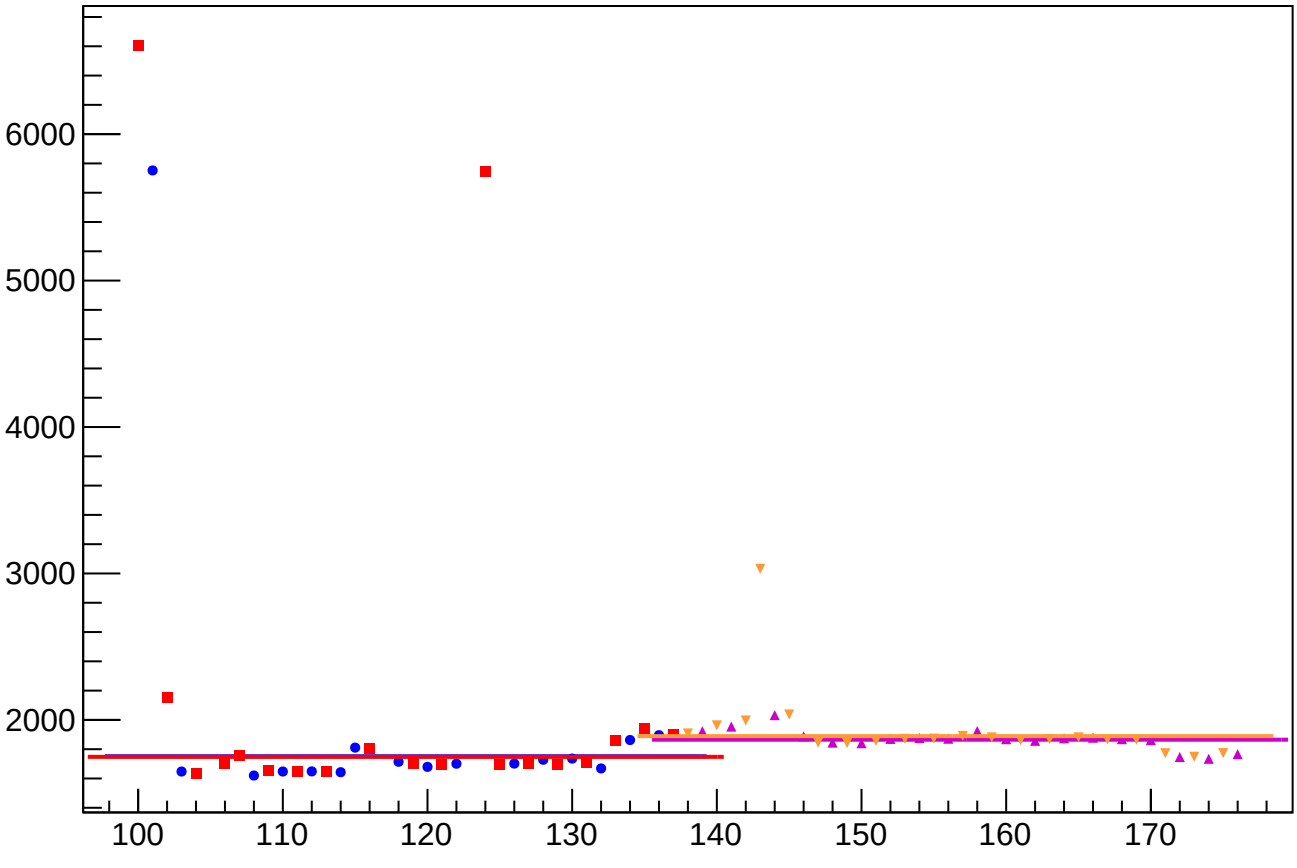
Left: 2056.259+/-335.746 χ^2/NDF: 47.0/38

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2362.870+/-386.186 χ^2/NDF:32.2/34

Out: 1782.693+/-385.452 χ^2/NDF:44.8/38

All: 2072.230+/-272.815 χ^2/NDF: 78.2/73



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

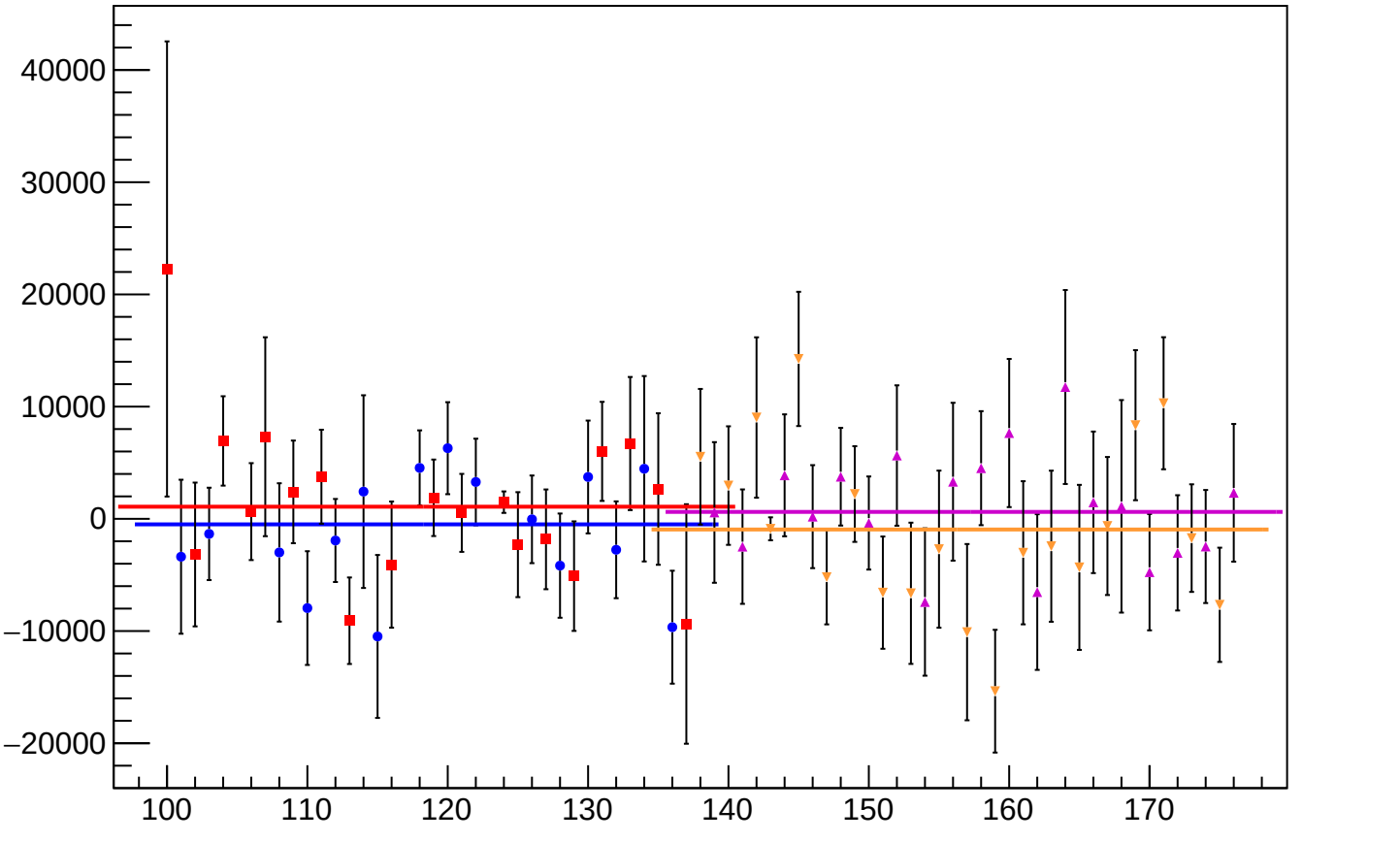
Left: 1877.007+/-0.237 χ^2/NDF: 317589.6/38

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1826.988+/-0.273 χ^2/NDF:750212.0/34

Out: 1840.232+/-0.272 χ^2/NDF:632807.6/38

All: 1833.631+/-0.193 χ^2/NDF: 1384199.4/73



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 617.641+/-1292.788 χ^2/NDF:10.1/18

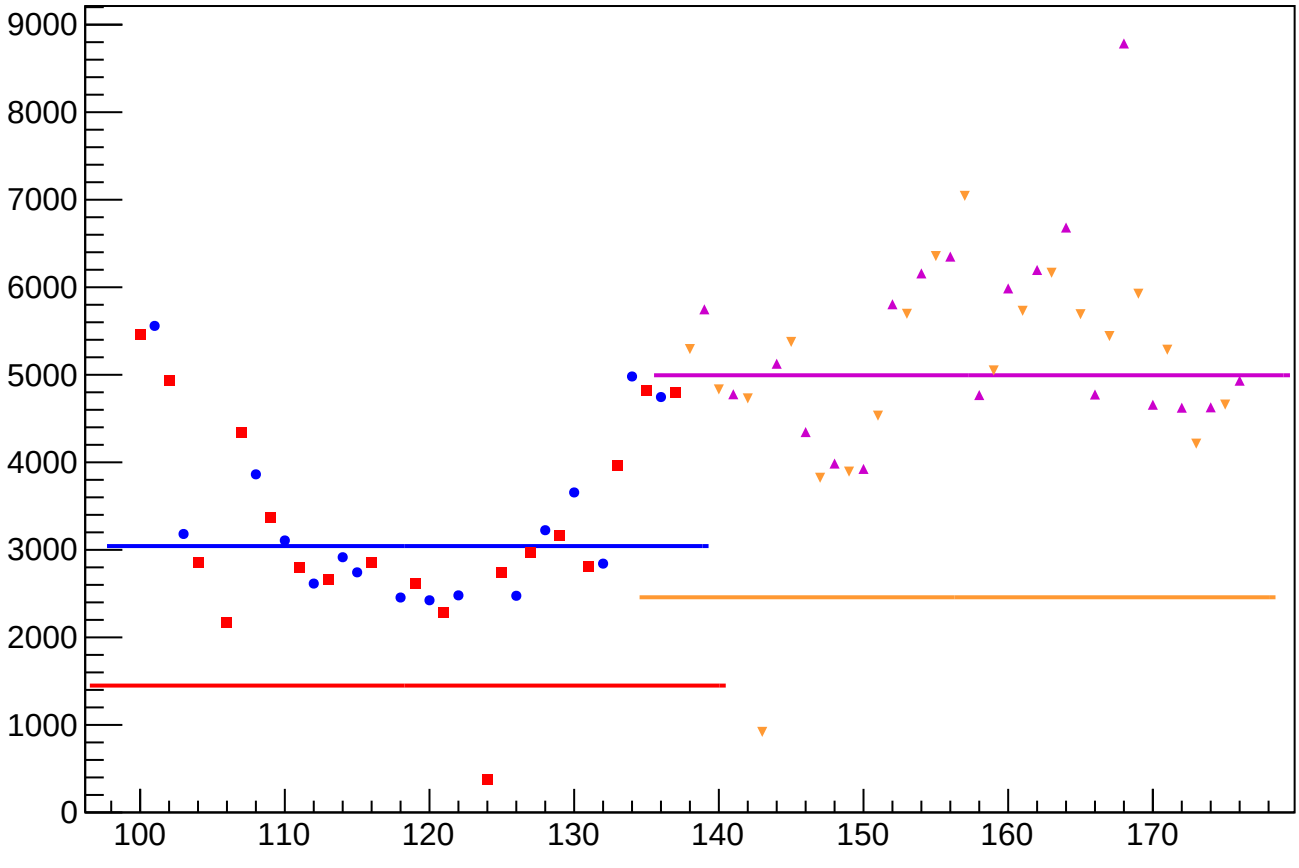
Left: -511.894+/-683.993 χ^2/NDF: 41.0/38

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 8.651+/-868.803 χ^2/NDF:26.5/34

Out: 163.312+/-541.676 χ^2/NDF:51.8/38

All: 120.020+/-459.655 χ^2/NDF: 78.3/73



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

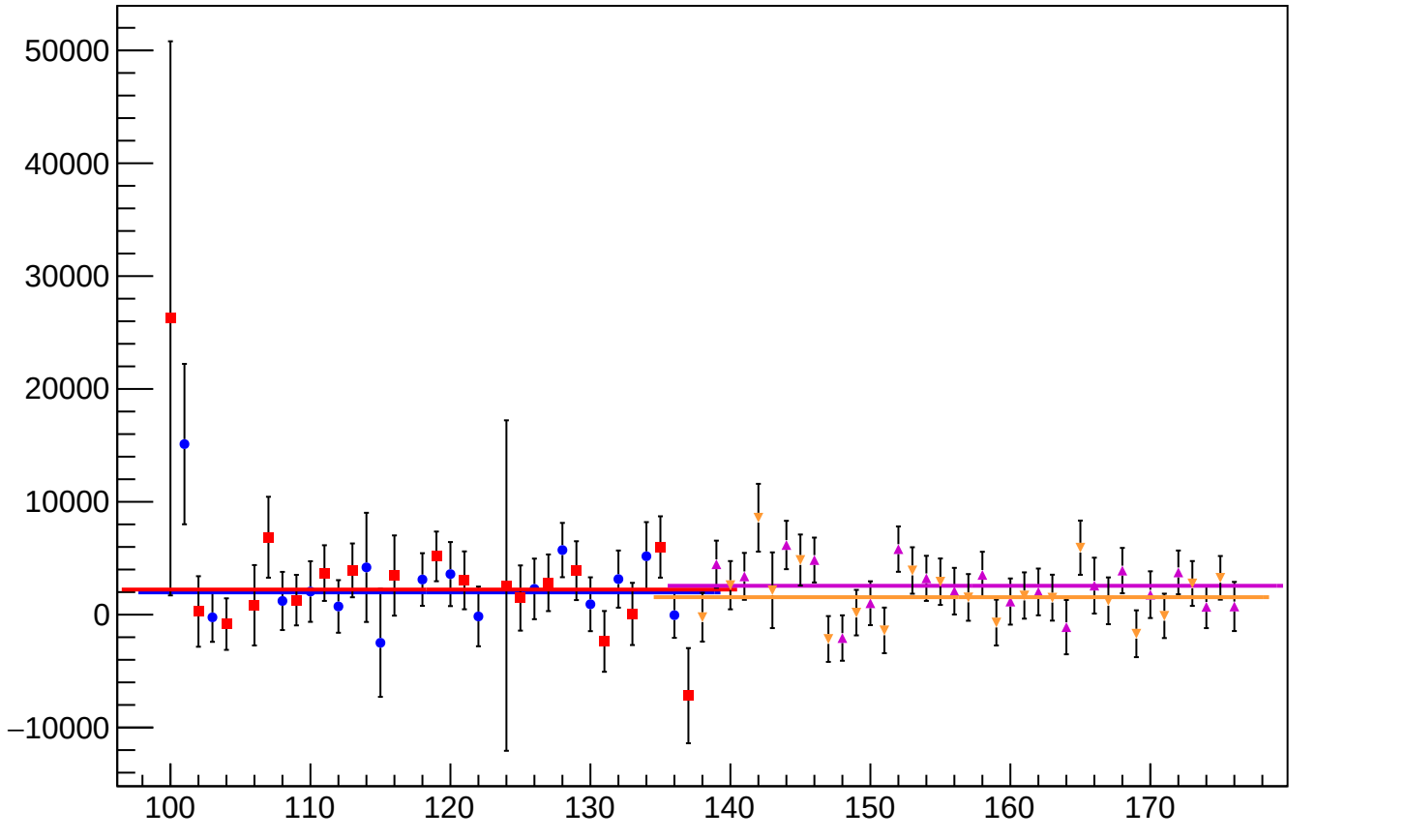
Left: 3168.263+/-0.484 χ^2/NDF: 19308300.4/38

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3924.588+/-0.614 χ^2/NDF:4427343.4/34

Out: 1905.055+/-0.383 χ^2/NDF:21285262.1/38

All: 2470.347+/-0.325 χ^2/NDF: 33494312.3/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1549.108+/-476.248 χ^2/NDF:25.1/19

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.364+/-473.400 χ^2/NDF:19.6/18

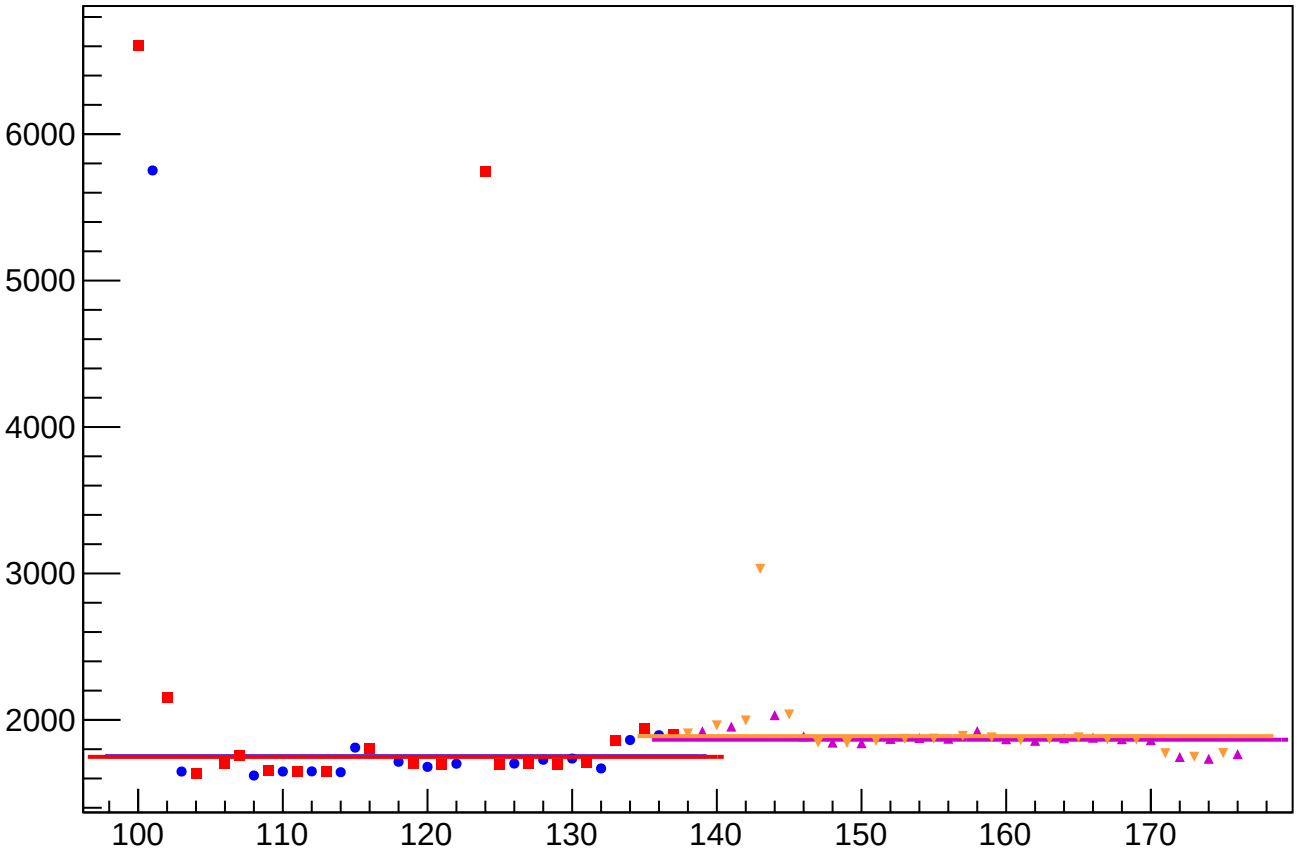
Left: 2056.259+/-335.746 χ^2/NDF: 47.0/38

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2362.870+/-386.186 χ^2/NDF:32.2/34

Out: 1782.693+/-385.452 χ^2/NDF:44.8/38

All: 2072.230+/-272.815 χ^2/NDF: 78.2/73



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1889.280+/-0.337 χ^2/NDF:273693.4/19

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

Left: 1877.007+/-0.237 χ^2/NDF: 317589.6/38

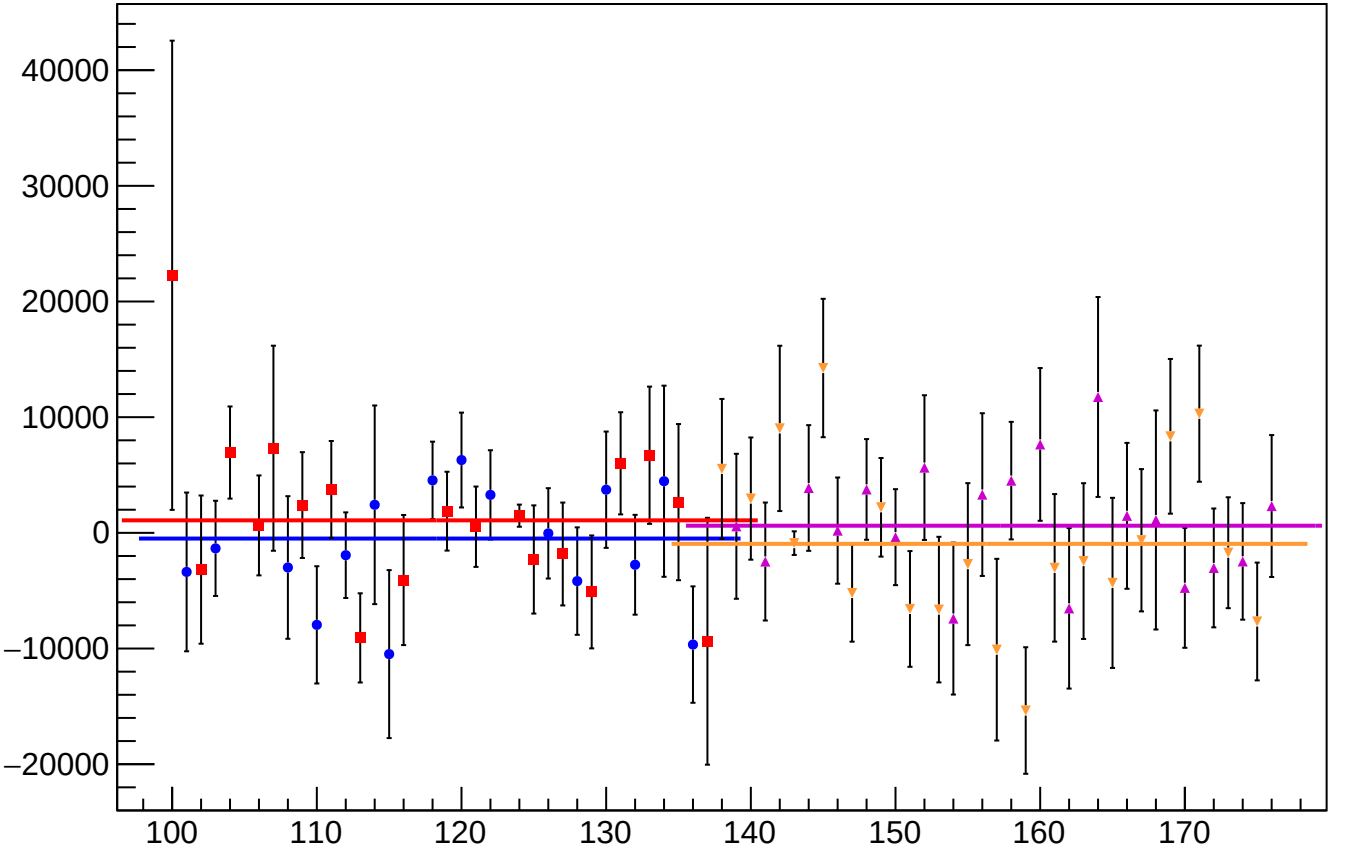
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1826.988+/-0.273 χ^2/NDF:750212.0/34

Out: 1840.232+/-0.272 χ^2/NDF:632807.6/38

All: 1833.631+/-0.193 χ^2/NDF: 1384199.4/73

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -951.004+/-806.054 χ^2/NDF:29.8/19

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 617.641+/-1292.788 χ^2/NDF:10.1/18

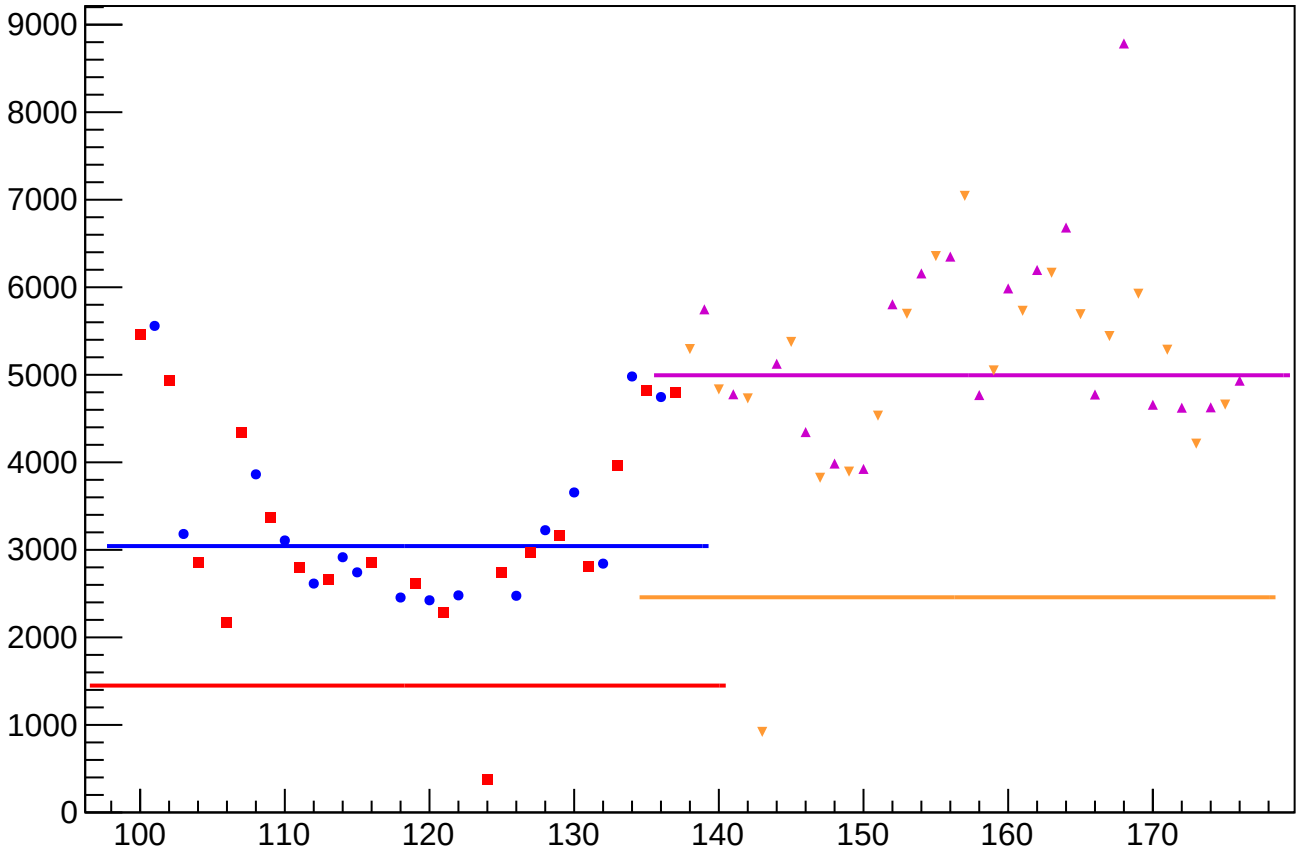
Left: -511.894+/-683.993 χ^2/NDF: 41.0/38

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 8.651+/-868.803 χ^2/NDF:26.5/34

Out: 163.312+/-541.676 χ^2/NDF:51.8/38

All: 120.020+/-459.655 χ^2/NDF: 78.3/73



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2458.245+/-0.570 χ^2/NDF:12741830.7/19

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

Left: 3168.263+/-0.484 χ^2/NDF: 19308300.4/38

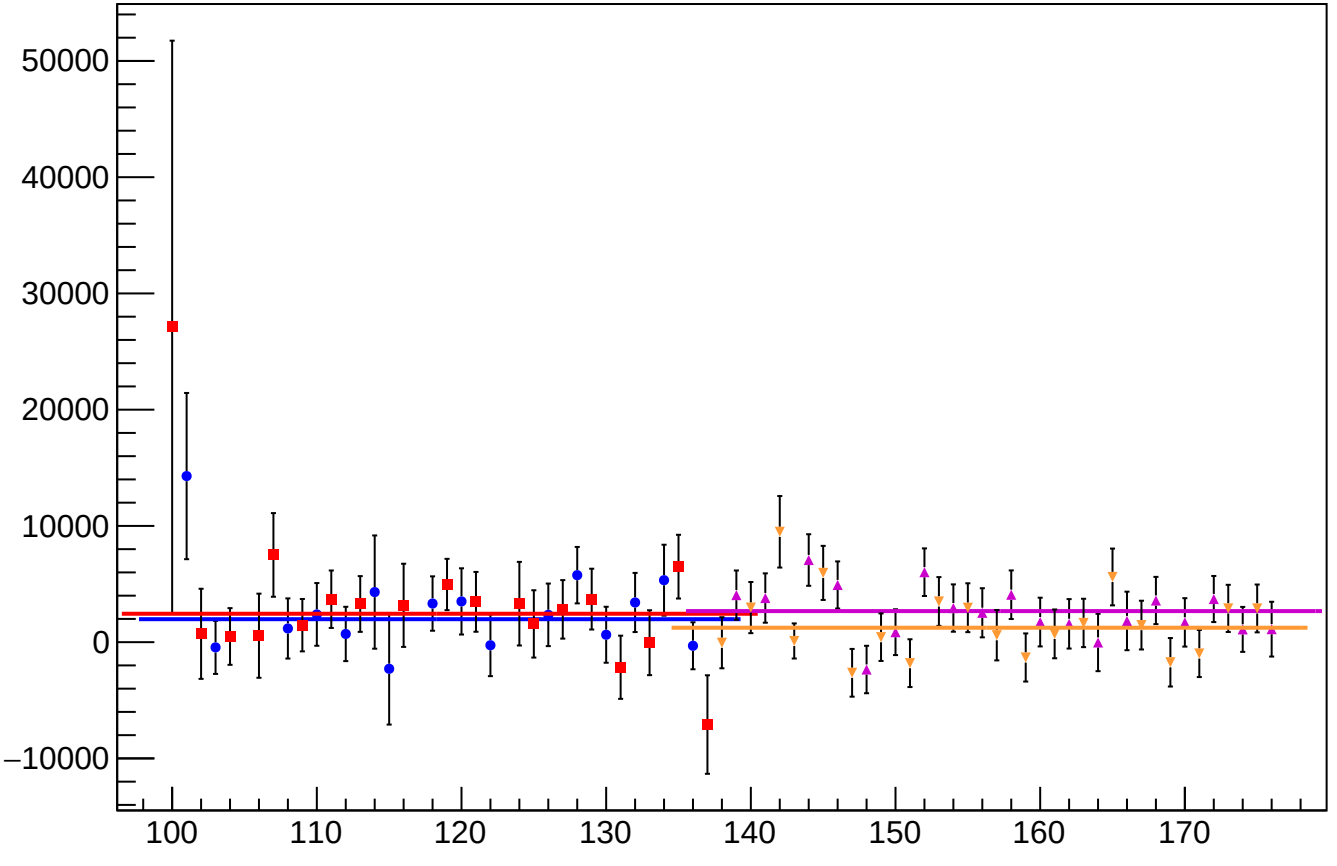
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3924.588+/-0.614 χ^2/NDF:4427343.4/34

Out: 1905.055+/-0.383 χ^2/NDF:21285262.1/38

All: 2470.347+/-0.325 χ^2/NDF: 33494312.3/7

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.281+/-468.245 χ^2/NDF:30.1/19

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2672.714+/-484.108 χ^2/NDF:19.5/18

Left: 1933.162+/-336.568 χ^2/NDF: 54.1/38

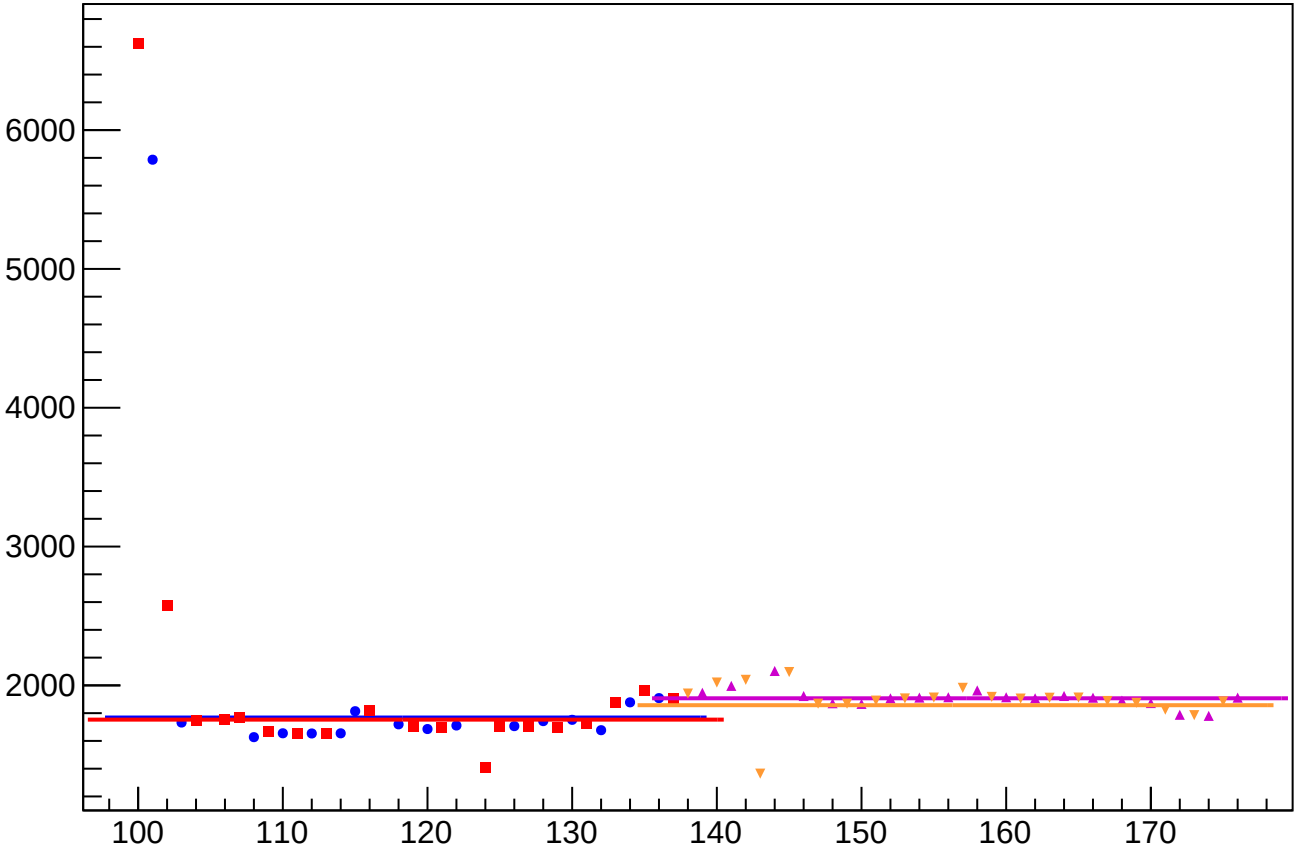
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2435.578+/-393.211 χ^2/NDF:32.6/34

Out: 1645.921+/-381.445 χ^2/NDF:49.8/38

All: 2028.758+/-273.788 χ^2/NDF: 84.5/73

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274008.9/19

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1907.056+/-0.342 χ^2/NDF:39644.7/18

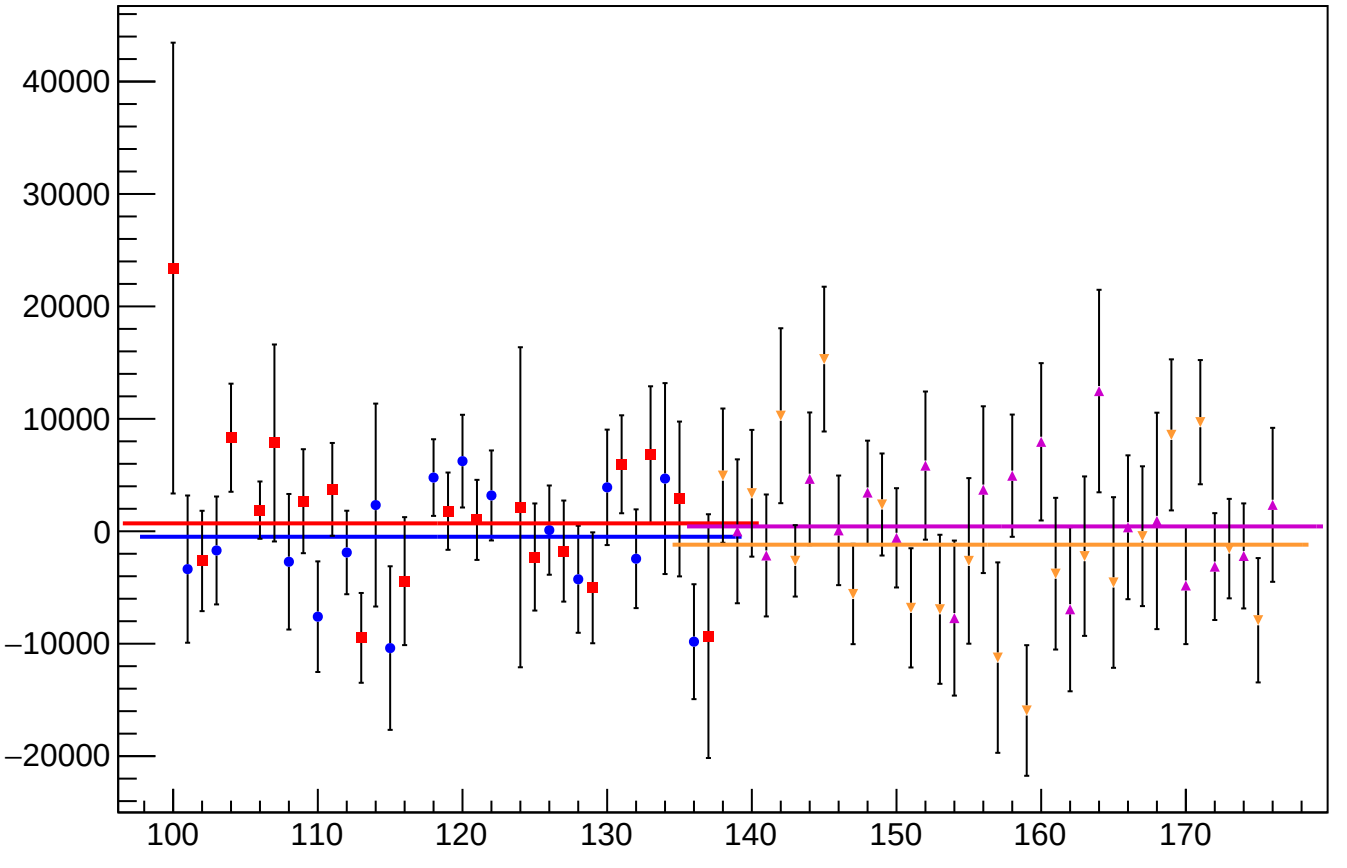
Left: 1881.336+/-0.238 χ^2/NDF: 324581.1/38

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1859.903+/-0.278 χ^2/NDF:762775.0/34

Out: 1822.202+/-0.269 χ^2/NDF:526108.1/38

All: 1840.464+/-0.194 χ^2/NDF: 1298363.4/73



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1192.672+/-1247.848 χ^2/NDF:29.9/19

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 431.812+/-1338.090 χ^2/NDF:10.1/18

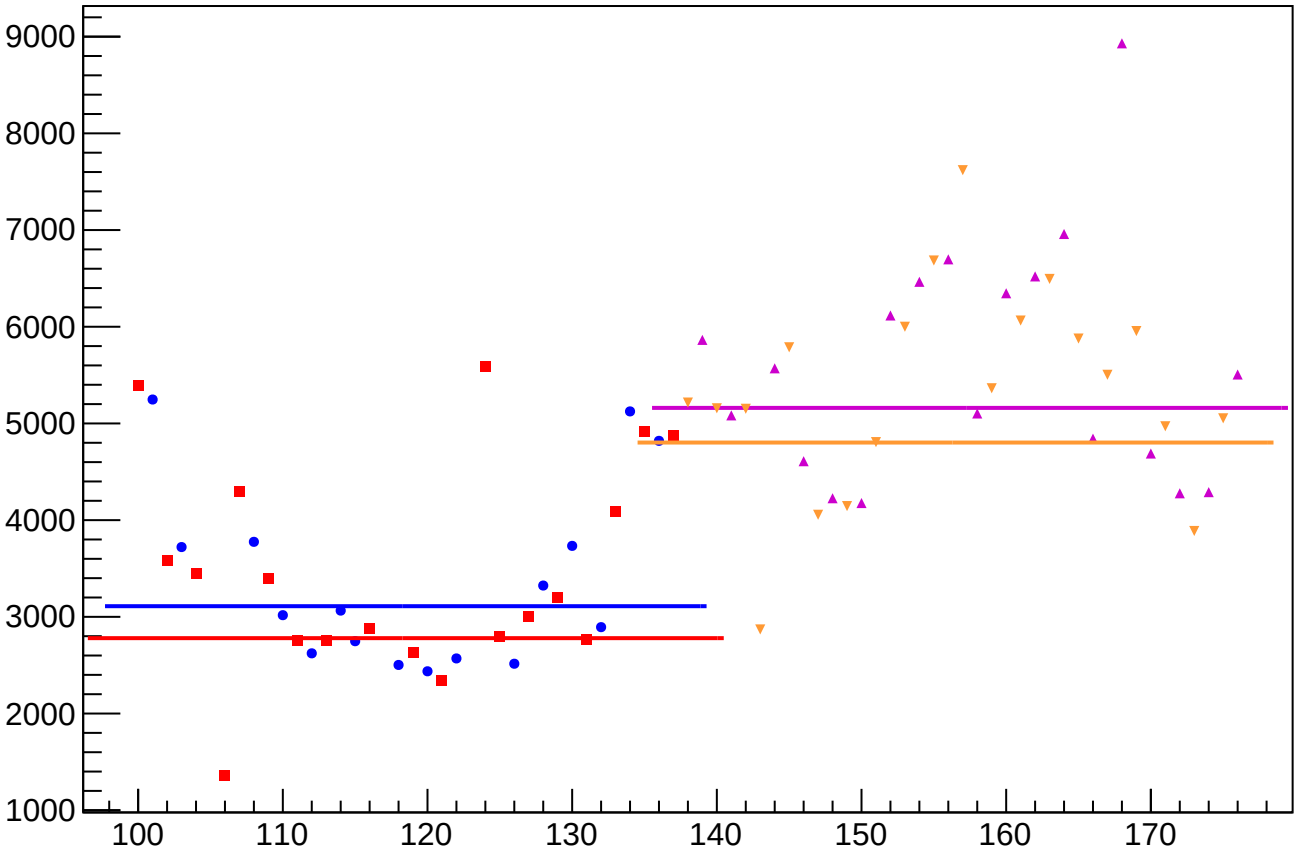
Left: -437.051+/-912.598 χ^2/NDF: 40.8/38

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -78.615+/-892.756 χ^2/NDF:26.1/34

Out: -99.586+/-812.037 χ^2/NDF:50.1/38

All: -90.091+/-600.711 χ^2/NDF: 76.2/73



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4802.498+/-0.882 χ^2/NDF:1742428.8/19

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5160.861+/-0.946 χ^2/NDF:1119219.0/18

Left: 4969.188+/-0.645 χ^2/NDF: 2938373.8/38

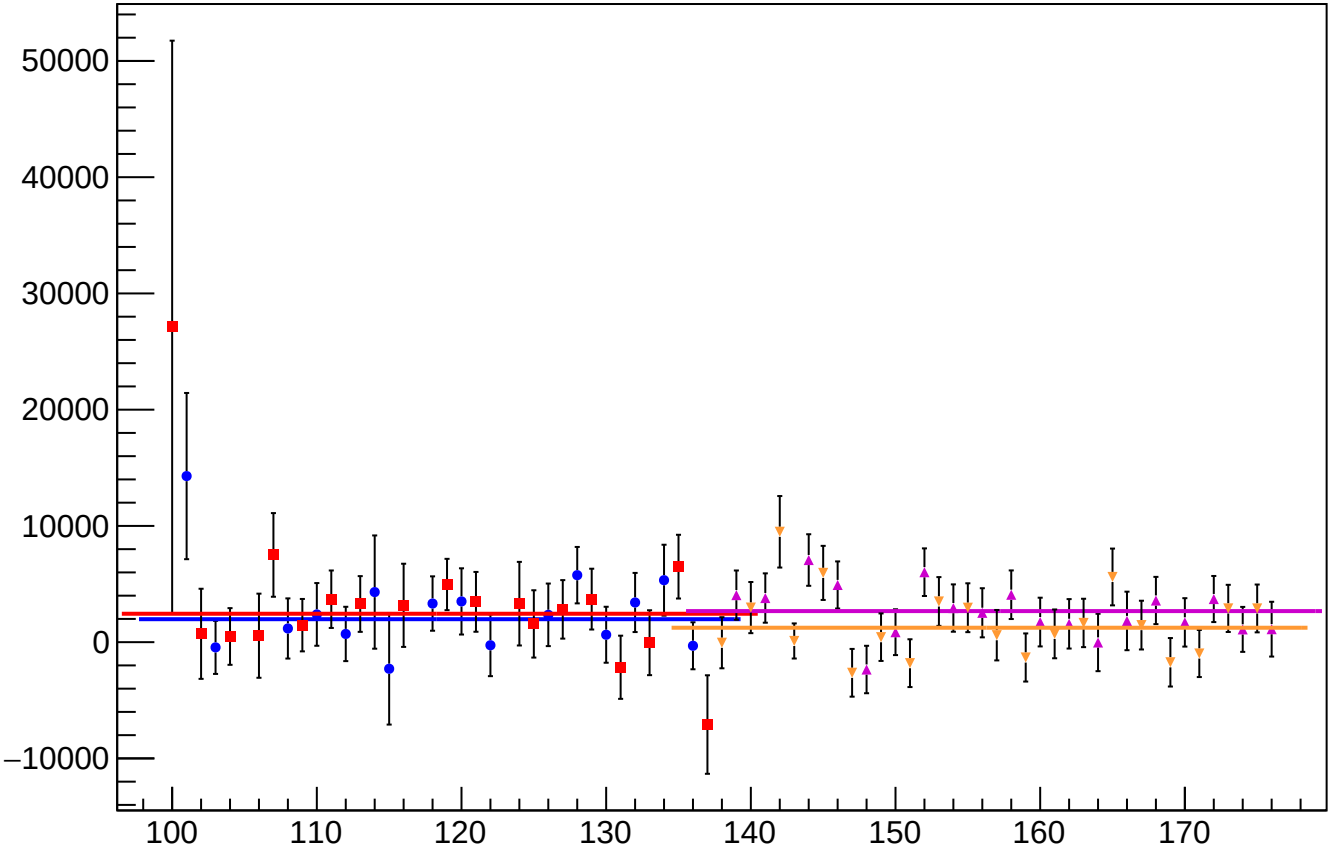
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4022.989+/-0.631 χ^2/NDF:4608998.1/34

Out: 3636.266+/-0.574 χ^2/NDF:6120684.5/38

All: 3811.358+/-0.425 χ^2/NDF: 10935055.6/7

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1241.279+/-468.245 χ^2/NDF:30.1/19

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2672.714+/-484.108 χ^2/NDF:19.5/18

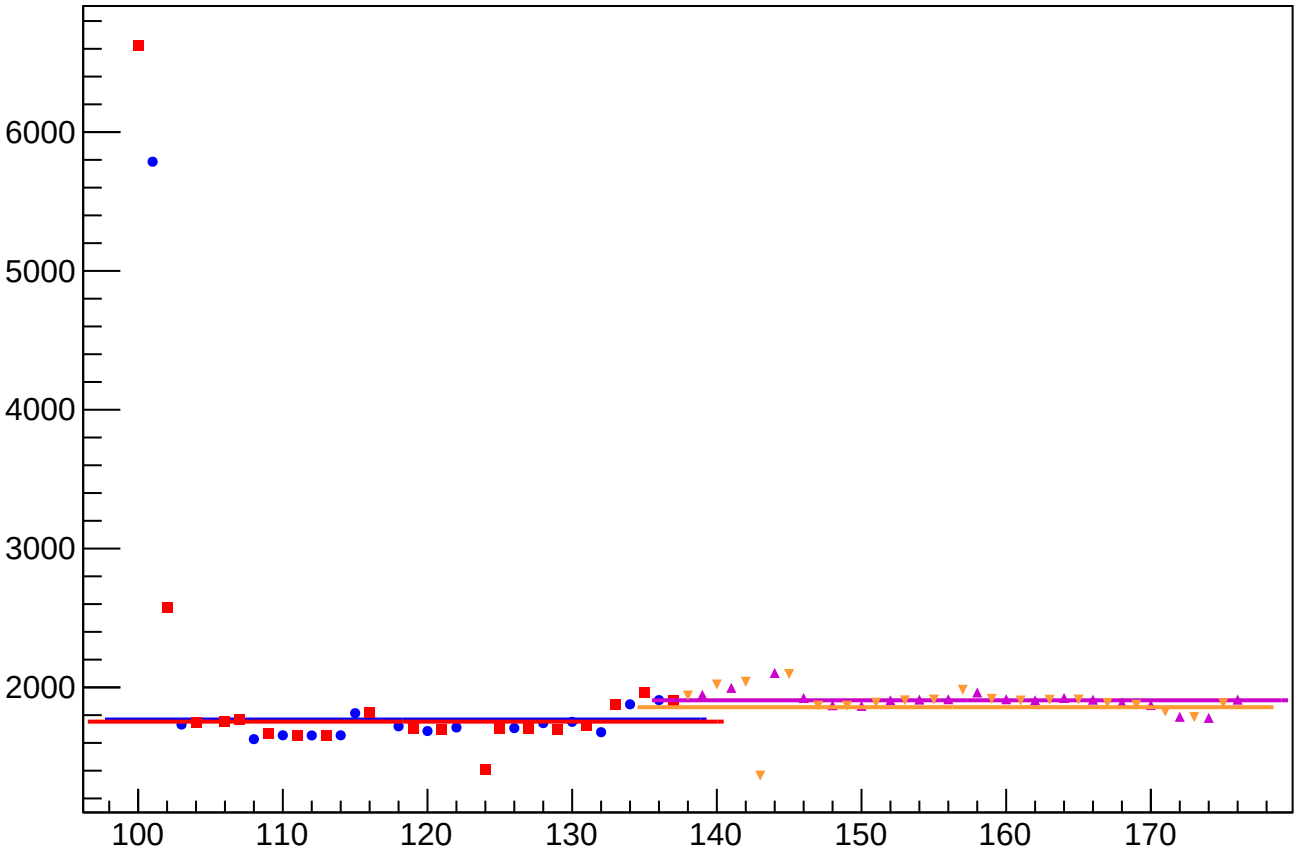
Left: 1933.160+/-336.568 χ^2/NDF: 54.1/38

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2435.578+/-393.211 χ^2/NDF:32.6/34

Out: 1645.919+/-381.445 χ^2/NDF:49.8/38

All: 2028.758+/-273.788 χ^2/NDF: 84.5/73



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1857.273+/-0.331 χ^2/NDF:274010.7/19

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1907.057+/-0.342 χ^2/NDF:39646.0/18

Left: 1881.336+/-0.238 χ^2/NDF: 324584.3/38

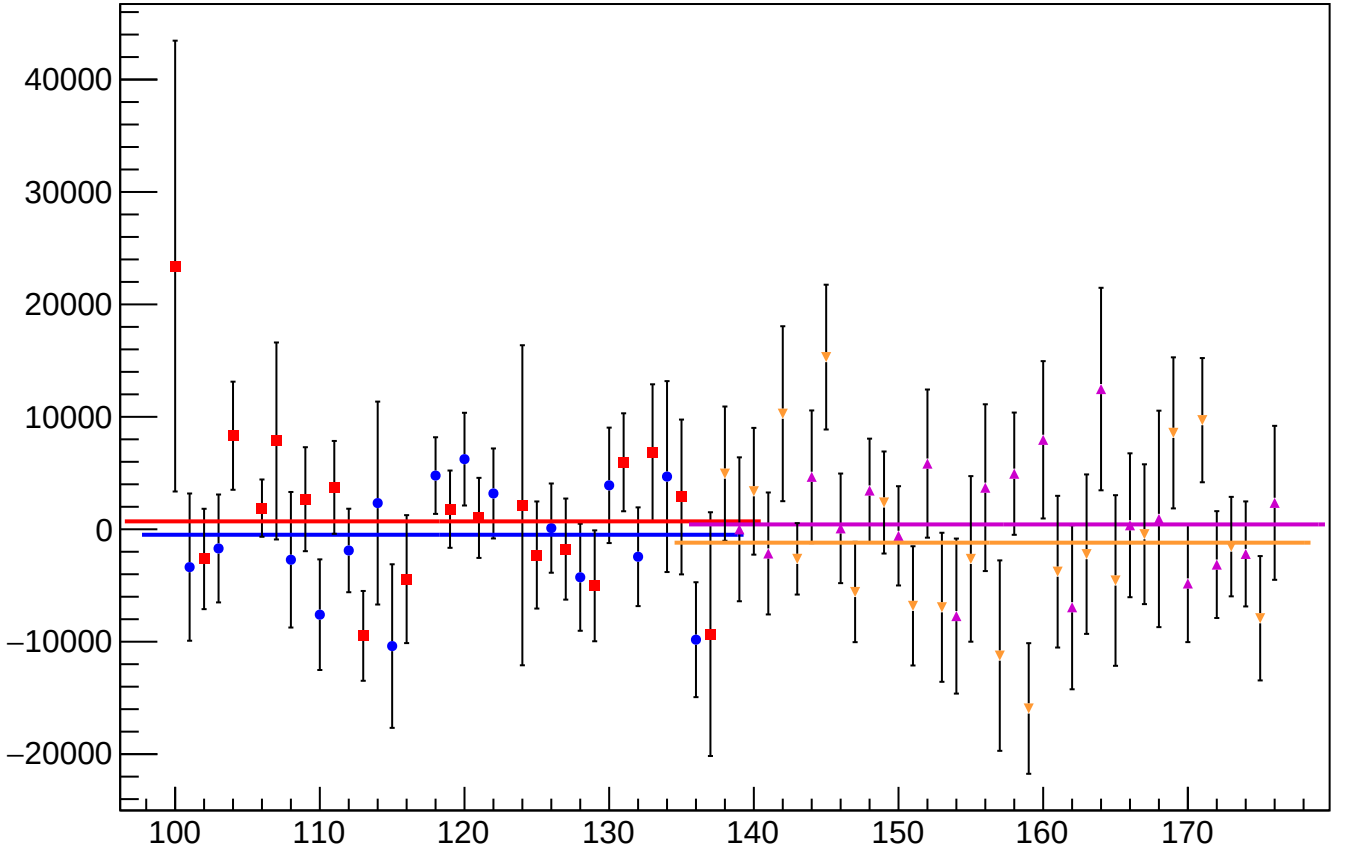
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1859.904+/-0.278 χ^2/NDF:762776.8/34

Out: 1822.203+/-0.269 χ^2/NDF:526110.3/38

All: 1840.464+/-0.194 χ^2/NDF: 1298367.5/73

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: -1192.678+/-1247.849 χ^2/NDF:29.9/19

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 431.813+/-1338.092 χ^2/NDF:10.1/18

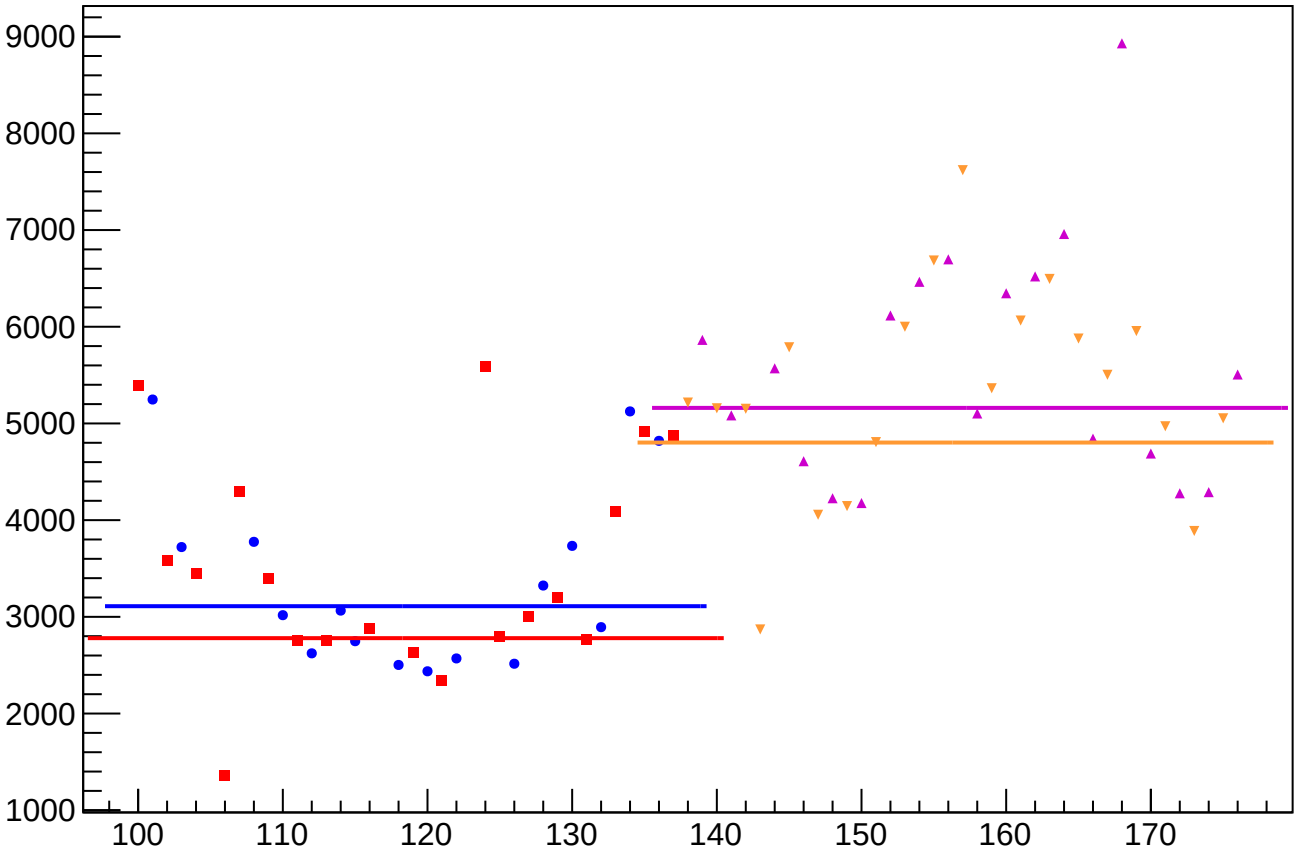
Left: -437.054+/-912.599 χ^2/NDF: 40.8/38

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -78.613+/-892.755 χ^2/NDF:26.1/34

Out: -99.582+/-812.036 χ^2/NDF:50.1/38

All: -90.088+/-600.710 χ^2/NDF: 76.2/73



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4802.504+/-0.882 χ^2/NDF:1742434.9/19

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5160.868+/-0.946 χ^2/NDF:1119220.2/18

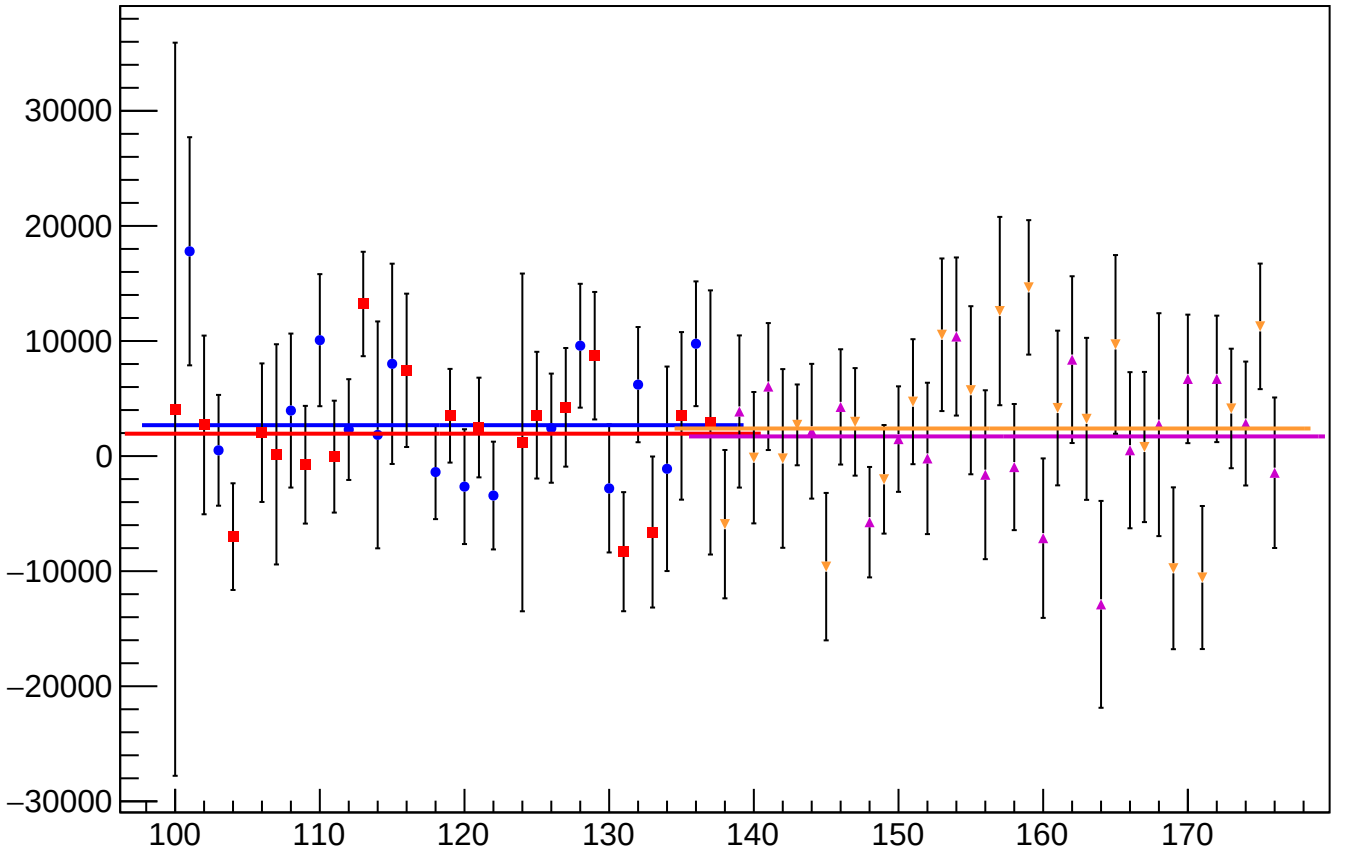
Left: 4969.195+/-0.645 χ^2/NDF: 2938381.3/38

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4022.981+/-0.631 χ^2/NDF:4609059.9/34

Out: 3636.256+/-0.574 χ^2/NDF:6120771.9/38

All: 3811.349+/-0.425 χ^2/NDF: 10935208.0/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2396.871+/-1305.948 χ^2/NDF:25.4/19

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1708.312+/-1387.226 χ^2/NDF:12.6/18

Left: 2073.353+/-950.881 χ^2/NDF: 38.1/38

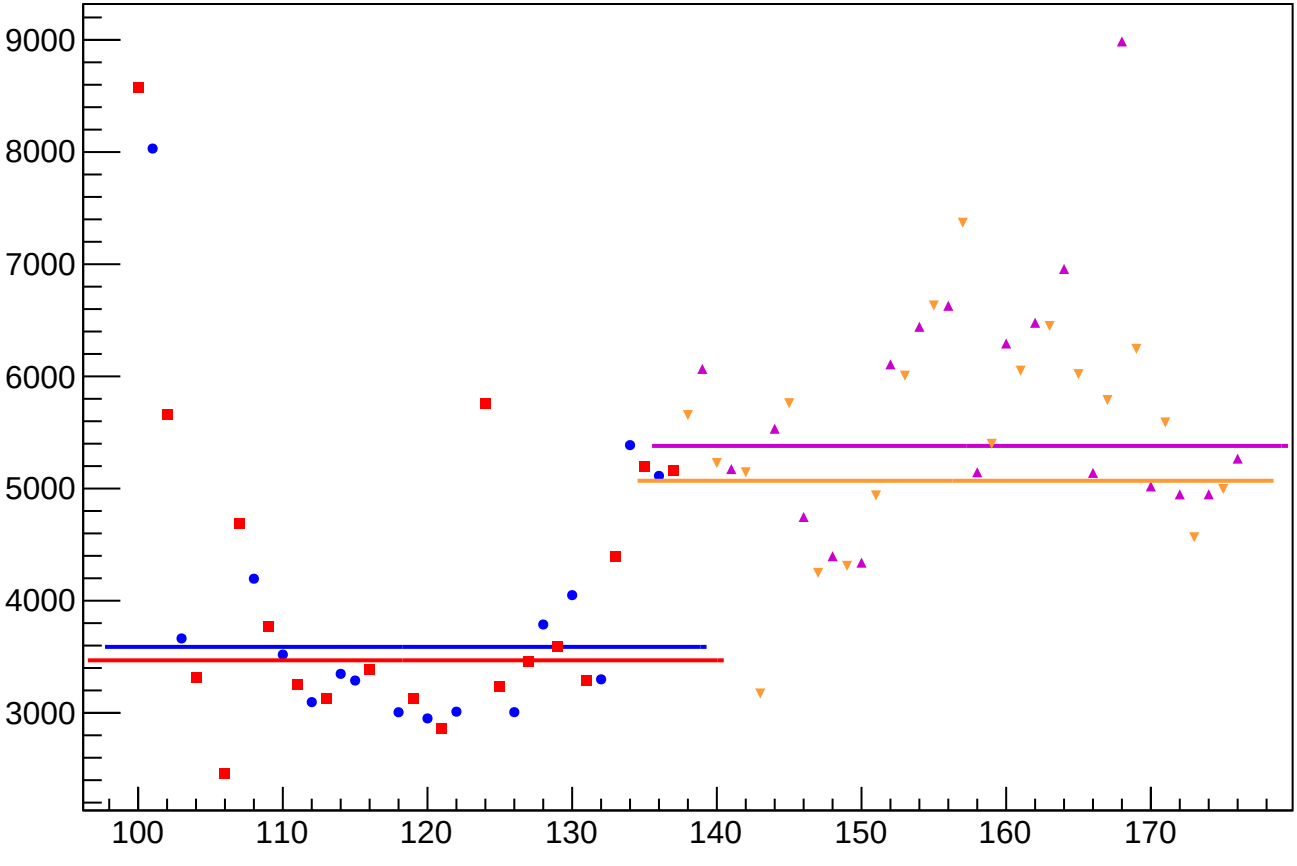
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2199.448+/-978.319 χ^2/NDF:26.3/34

Out: 2175.901+/-932.857 χ^2/NDF:44.1/38

All: 2187.114+/-675.129 χ^2/NDF: 70.4/73

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5069.359+/-0.923 χ^2/NDF:1298225.9/19

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5380.052+/-0.981 χ^2/NDF:834837.2/18

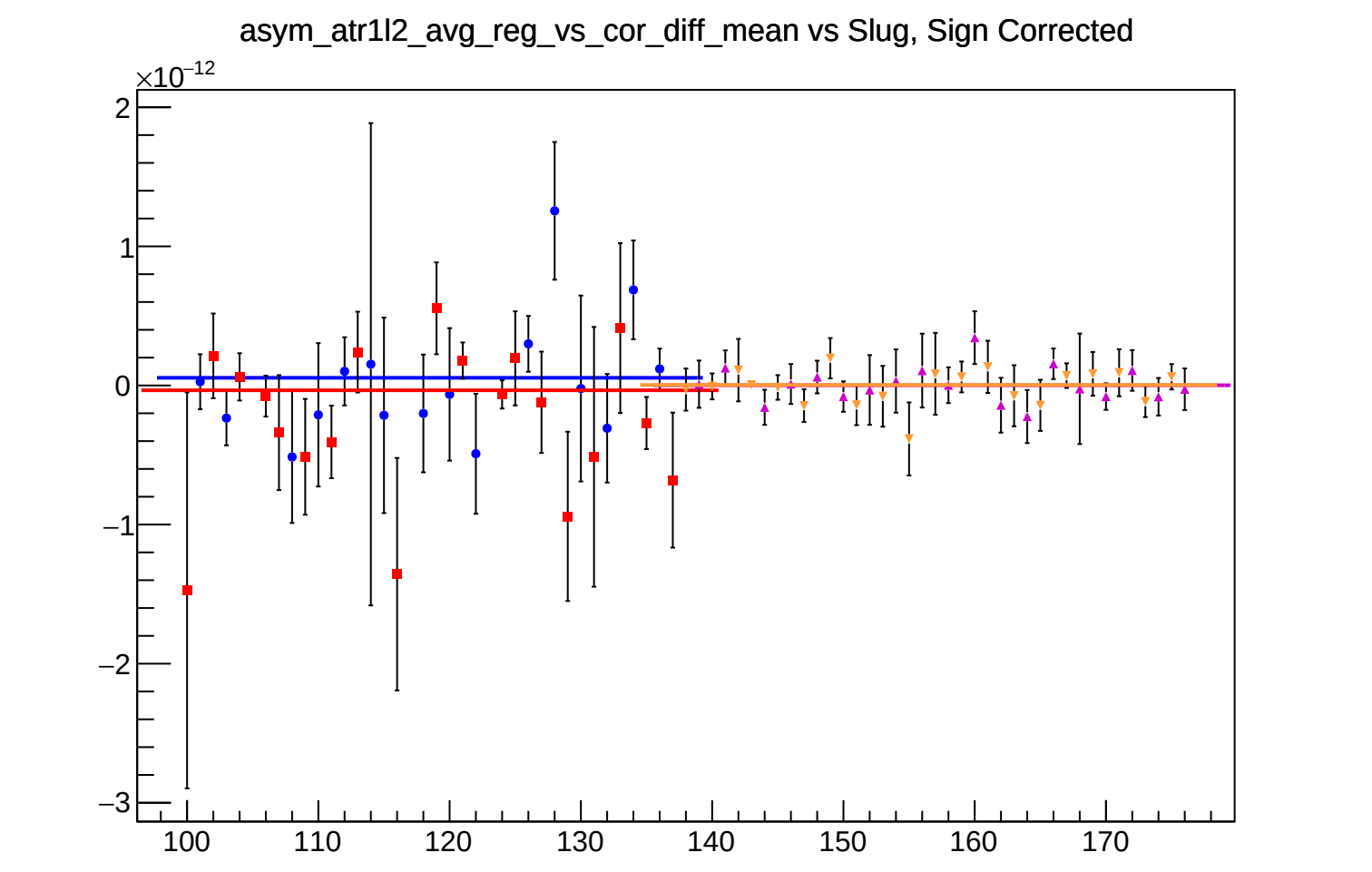
Left: 5215.337+/-0.672 χ^2/NDF: 2186249.2/38

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4479.500+/-0.692 χ^2/NDF:3356890.0/34

Out: 4273.145+/-0.655 χ^2/NDF:3459375.8/38

All: 4370.640+/-0.475 χ^2/NDF: 6863207.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

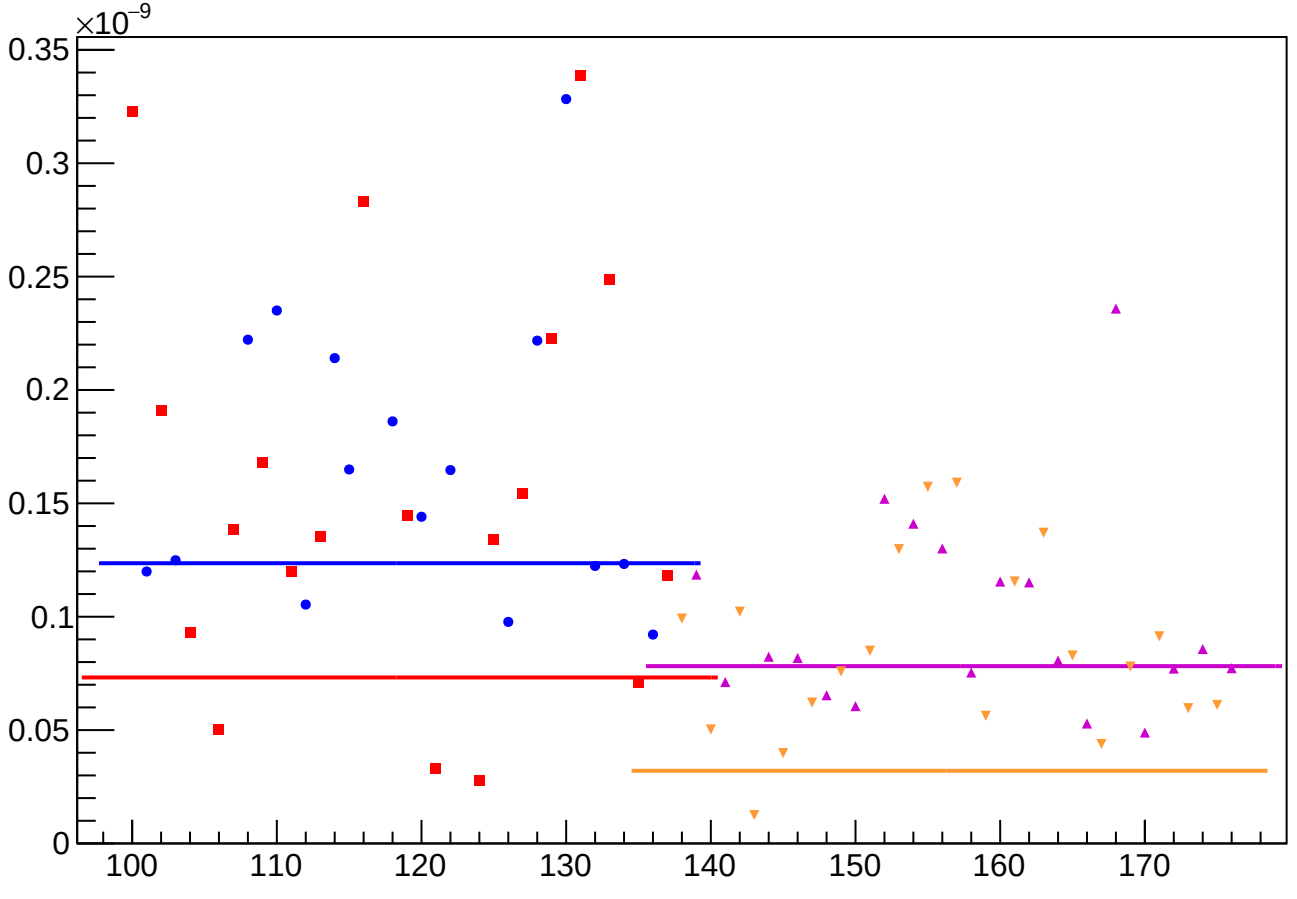
Left: 0.000+/-0.000 χ^2/NDF: 23.6/38

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:30.5/34

Out: -0.000+/-0.000 χ^2/NDF:34.0/38

All: 0.000+/-0.000 χ^2/NDF: 64.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5887247.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1366740.5/18

Left: 0.000+/-0.000 χ^2/NDF: 10223628.0/38

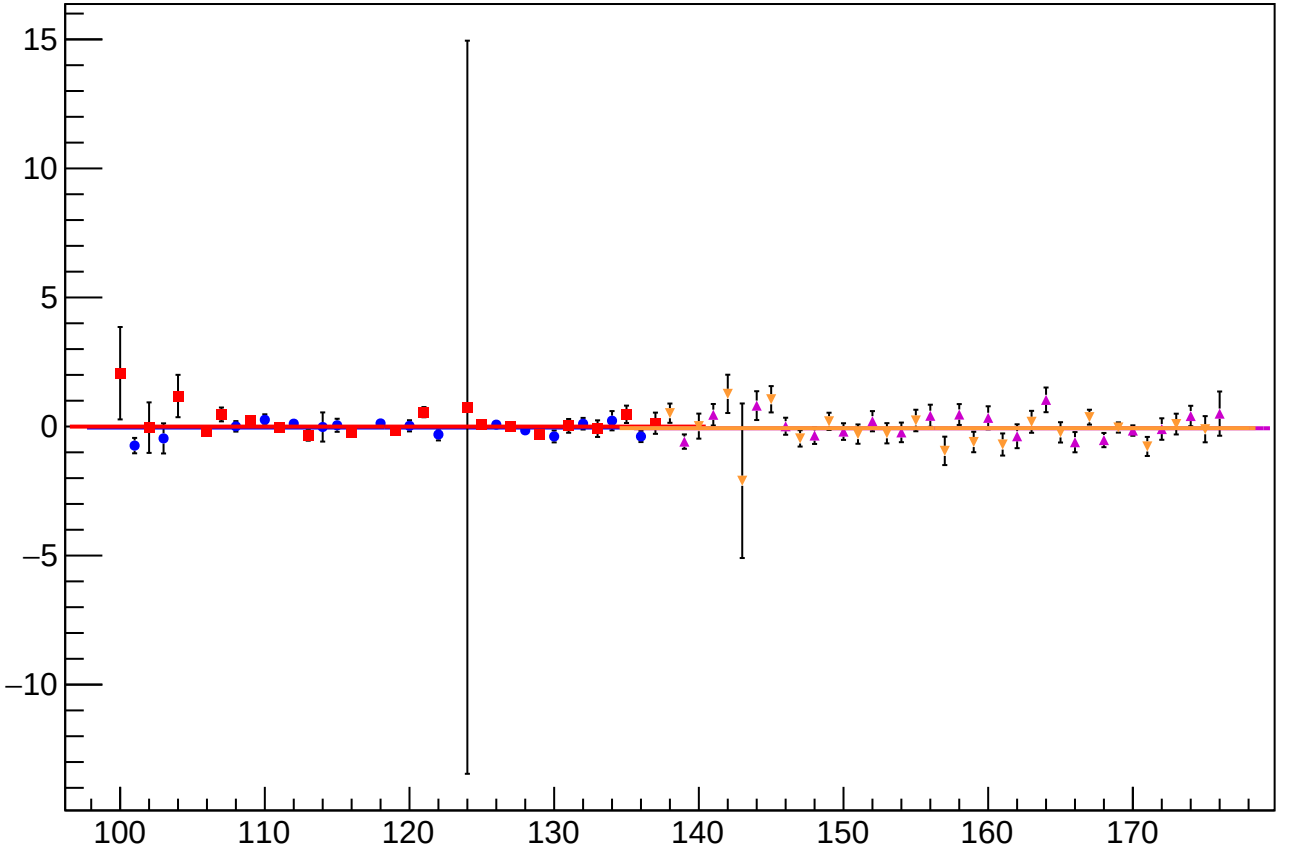
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2666653.3/34

Out: 0.000+/-0.000 χ^2/NDF:9148338.6/38

All: 0.000+/-0.000 χ^2/NDF: 15896094.0/73

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

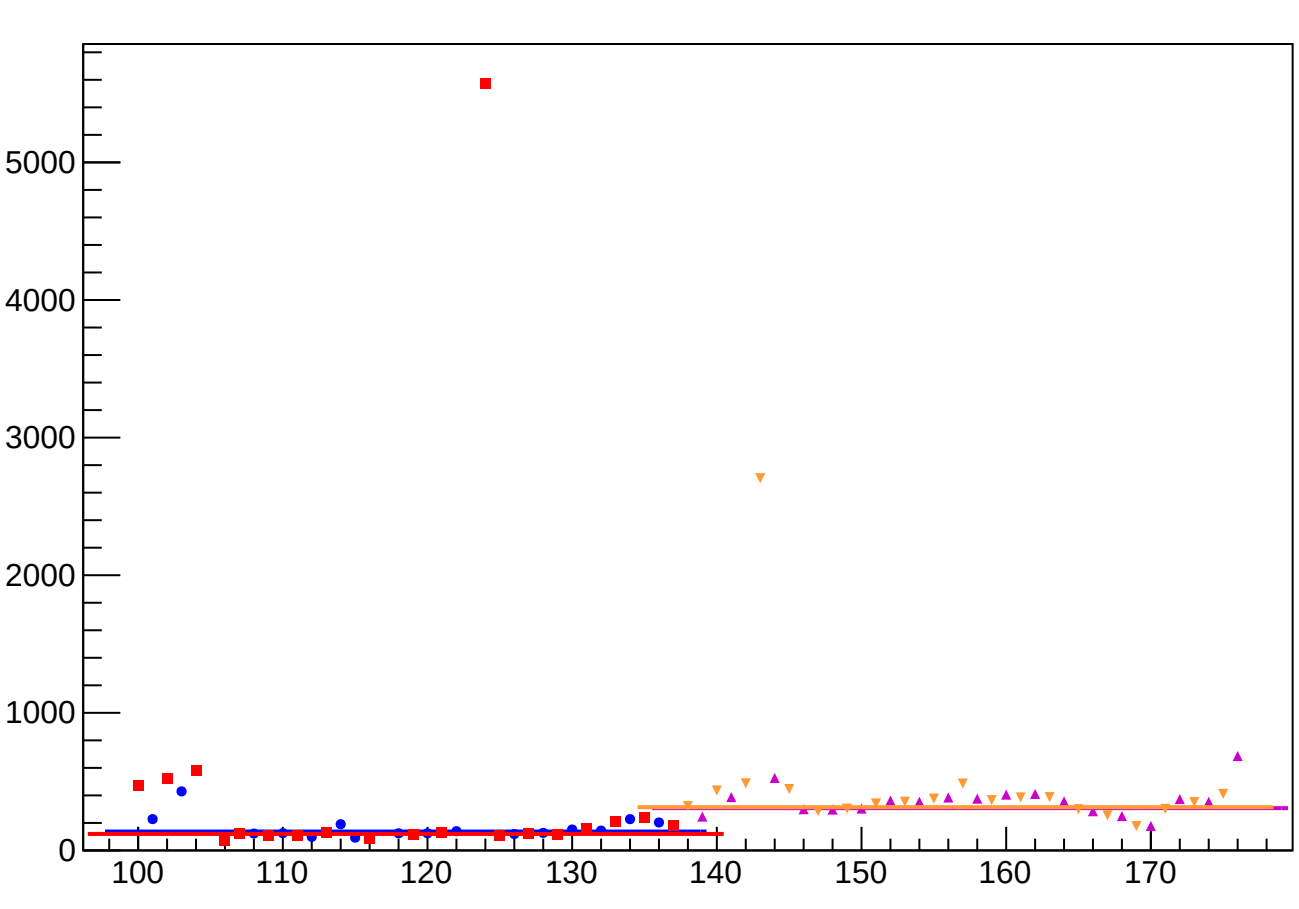
Left: -0.065+/-0.059 χ^2/NDF: 52.8/38

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 100.1/73



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

Left: 310.809+/-0.042 χ^2/NDF: 5501624.4/38

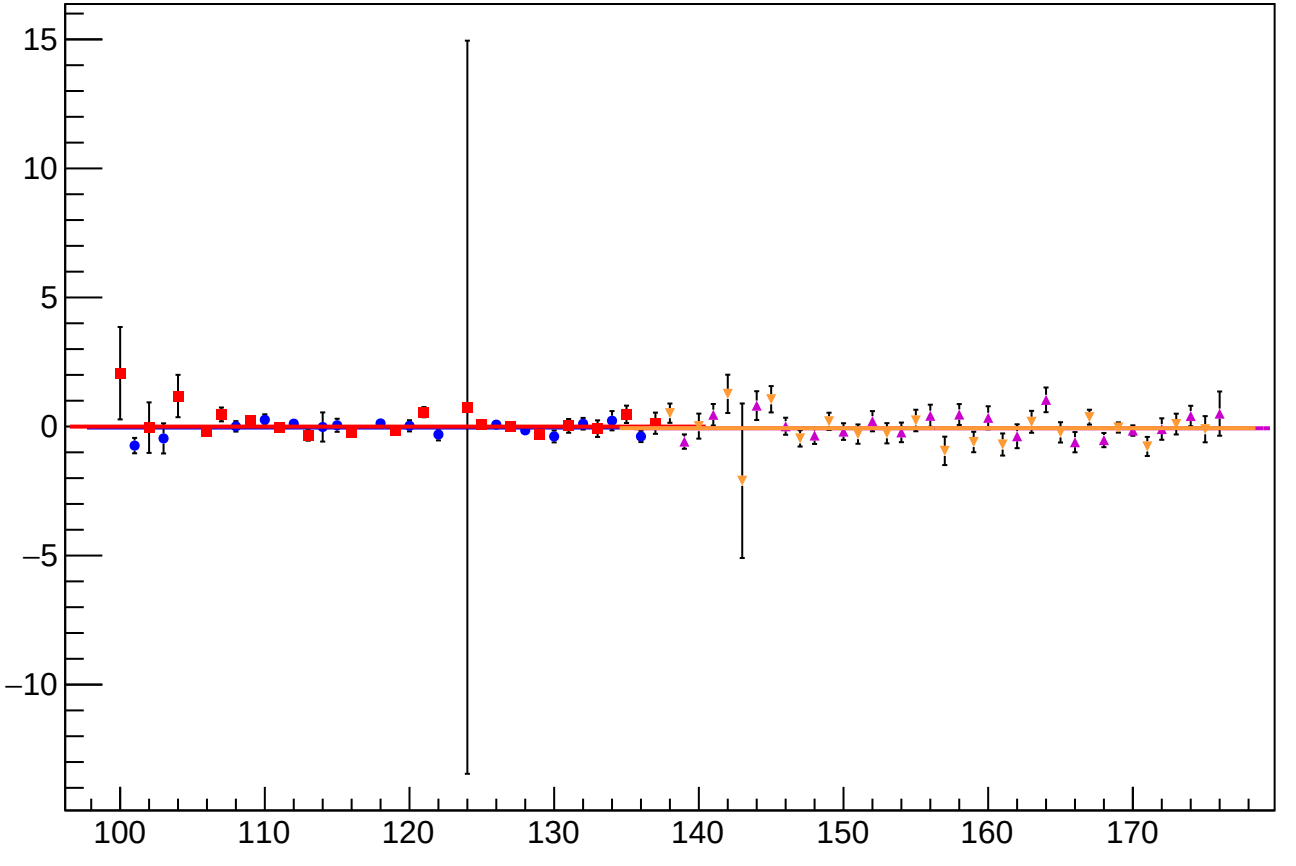
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 190.792+/-0.033 χ^2/NDF:9373801.4/34

Out: 171.064+/-0.031 χ^2/NDF:13010655.3/38

All: 180.378+/-0.022 χ^2/NDF: 22576647.2/73

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: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

Left: -0.065+/-0.059 χ^2/NDF: 52.8/38

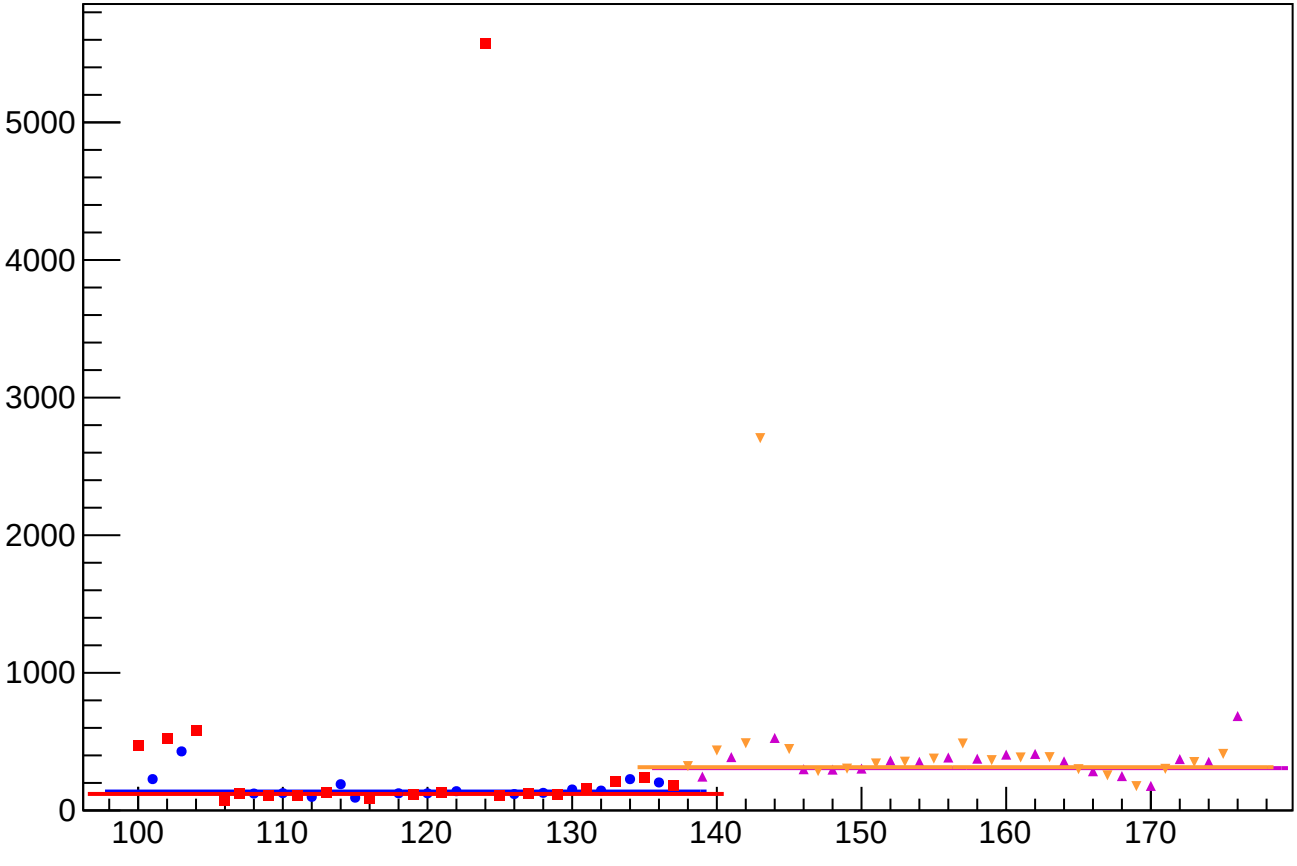
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 100.1/73

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 314.313+/-0.060 χ^2/NDF:3219988.1/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

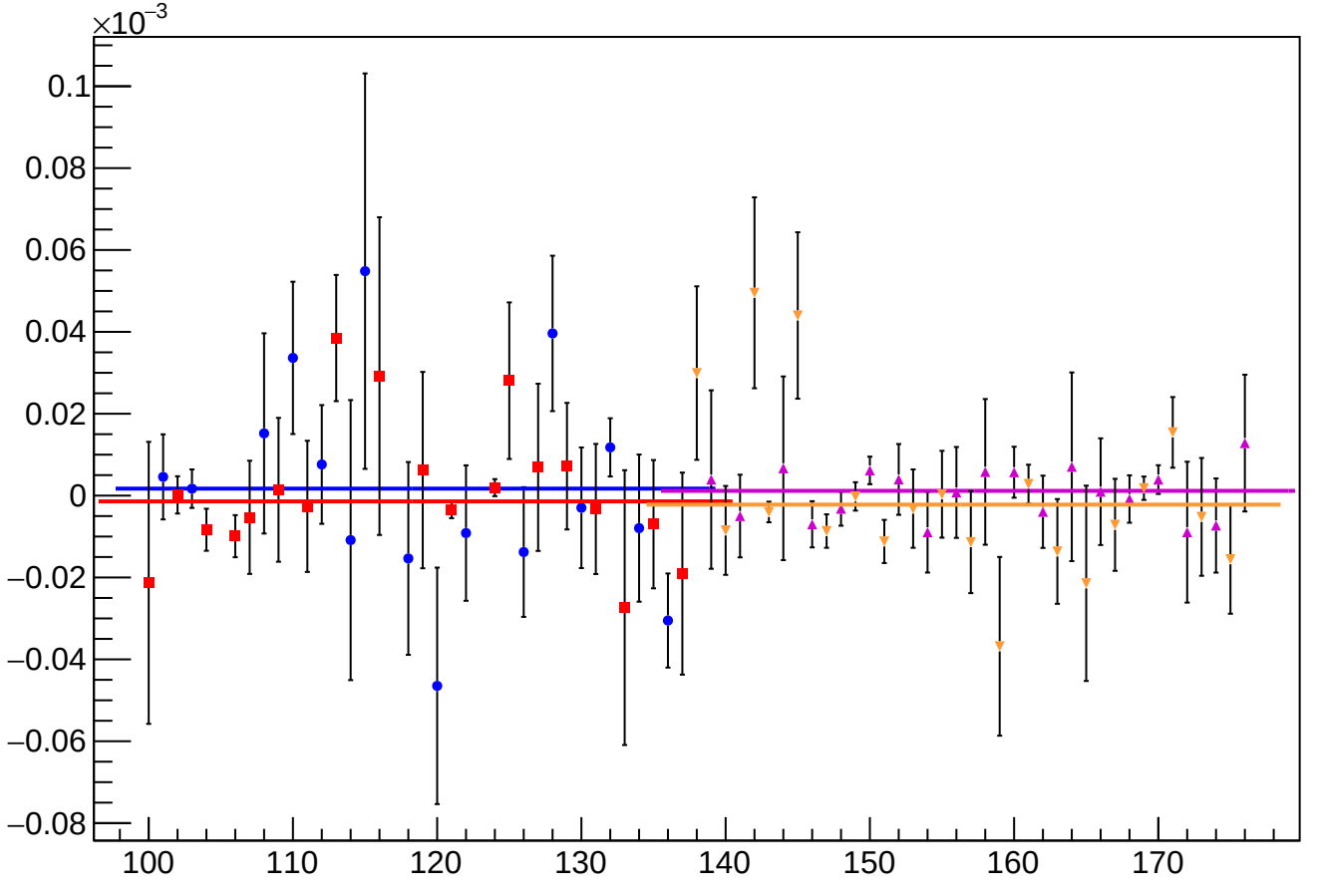
Left: 310.809+/-0.042 χ^2/NDF: 5501624.4/38

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 190.792+/-0.033 χ^2/NDF:9373801.4/34

Out: 171.064+/-0.031 χ^2/NDF:13010655.3/38

All: 180.378+/-0.022 χ^2/NDF: 22576647.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/18

Left: -0.000+/-0.000 χ^2/NDF: 44.9/38

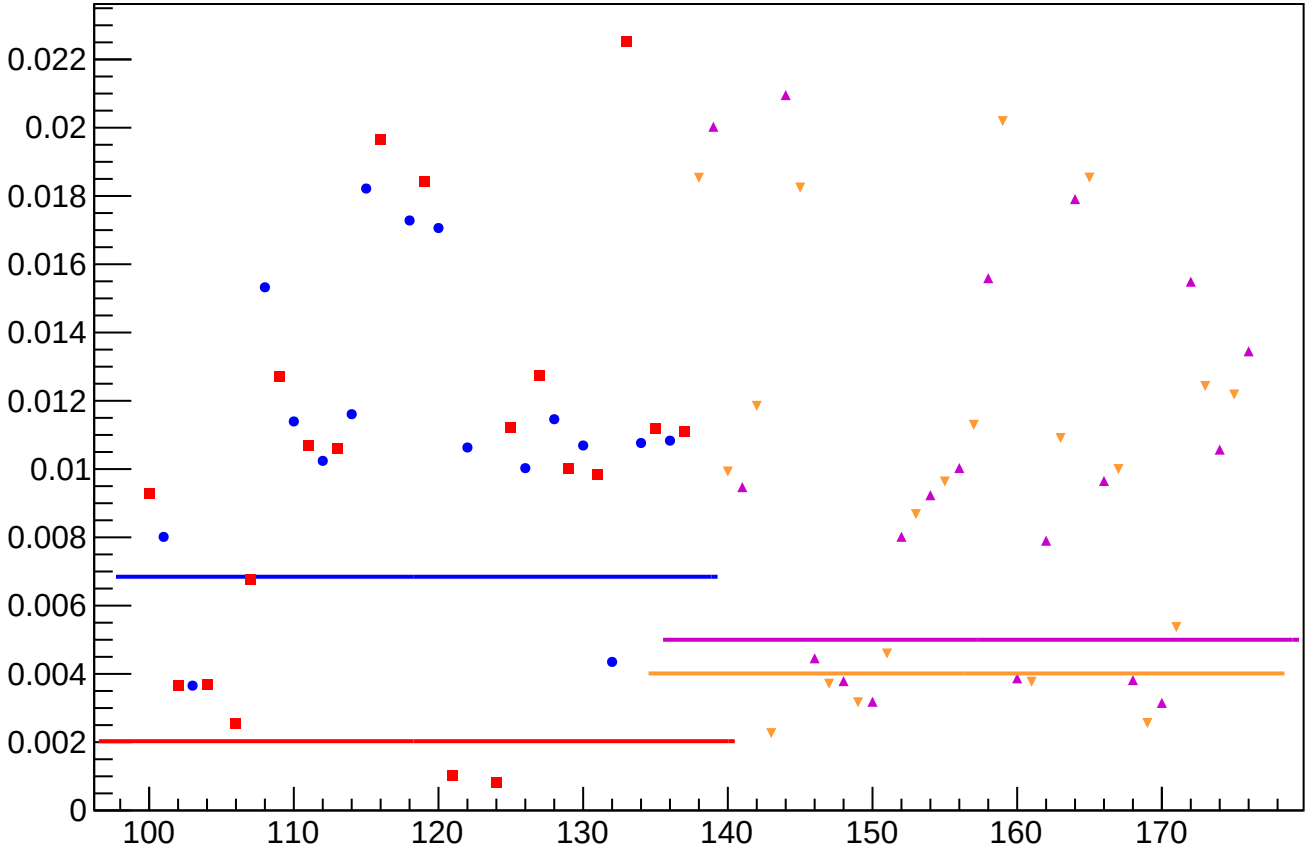
Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:52.5/38

All: -0.000+/-0.000 χ^2/NDF: 89.9/73

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:10580528.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:8385312.8/18

Left: 0.004+/-0.000 χ^2/NDF: 19429101.5/38

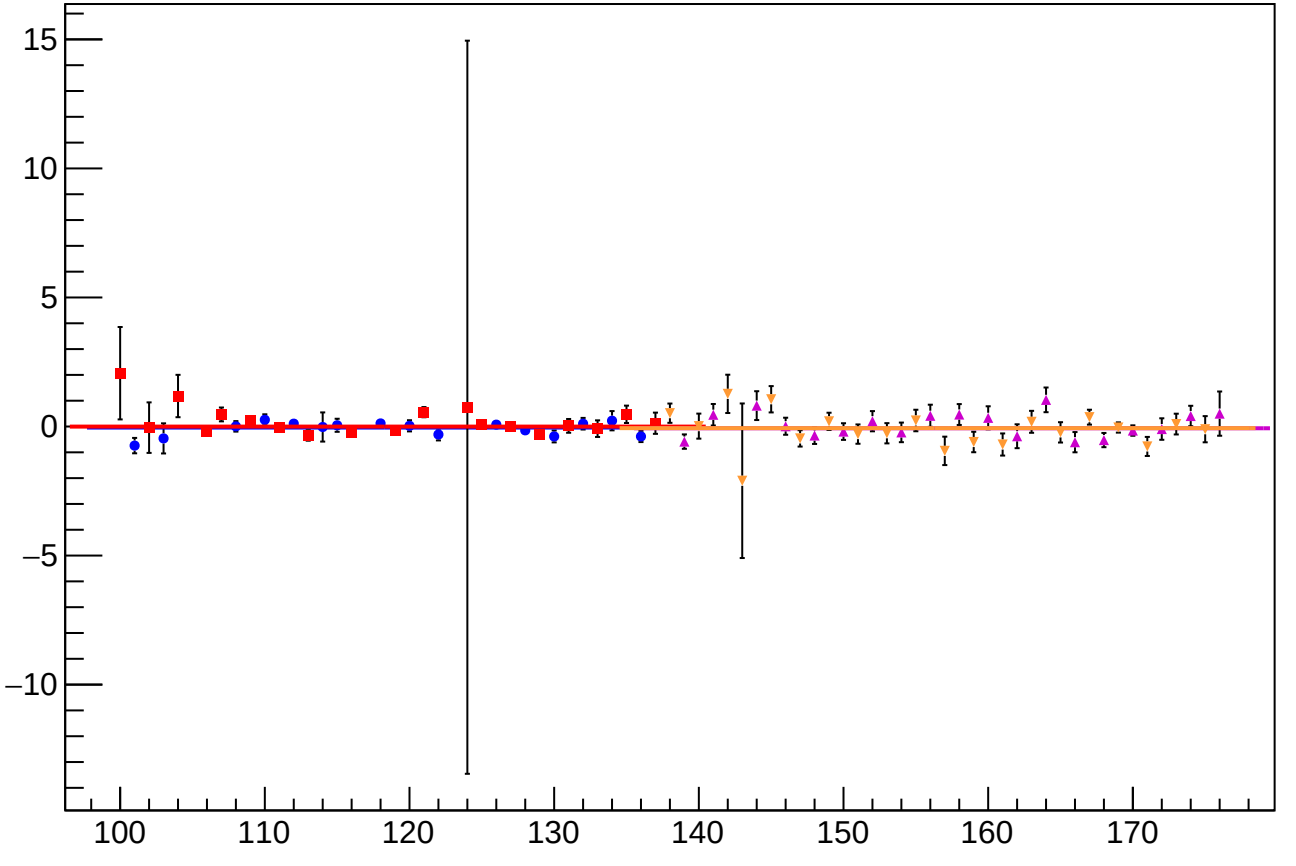
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:12217499.8/34

Out: 0.003+/-0.000 χ^2/NDF:21989315.4/38

All: 0.004+/-0.000 χ^2/NDF: 38453597.8/73

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: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

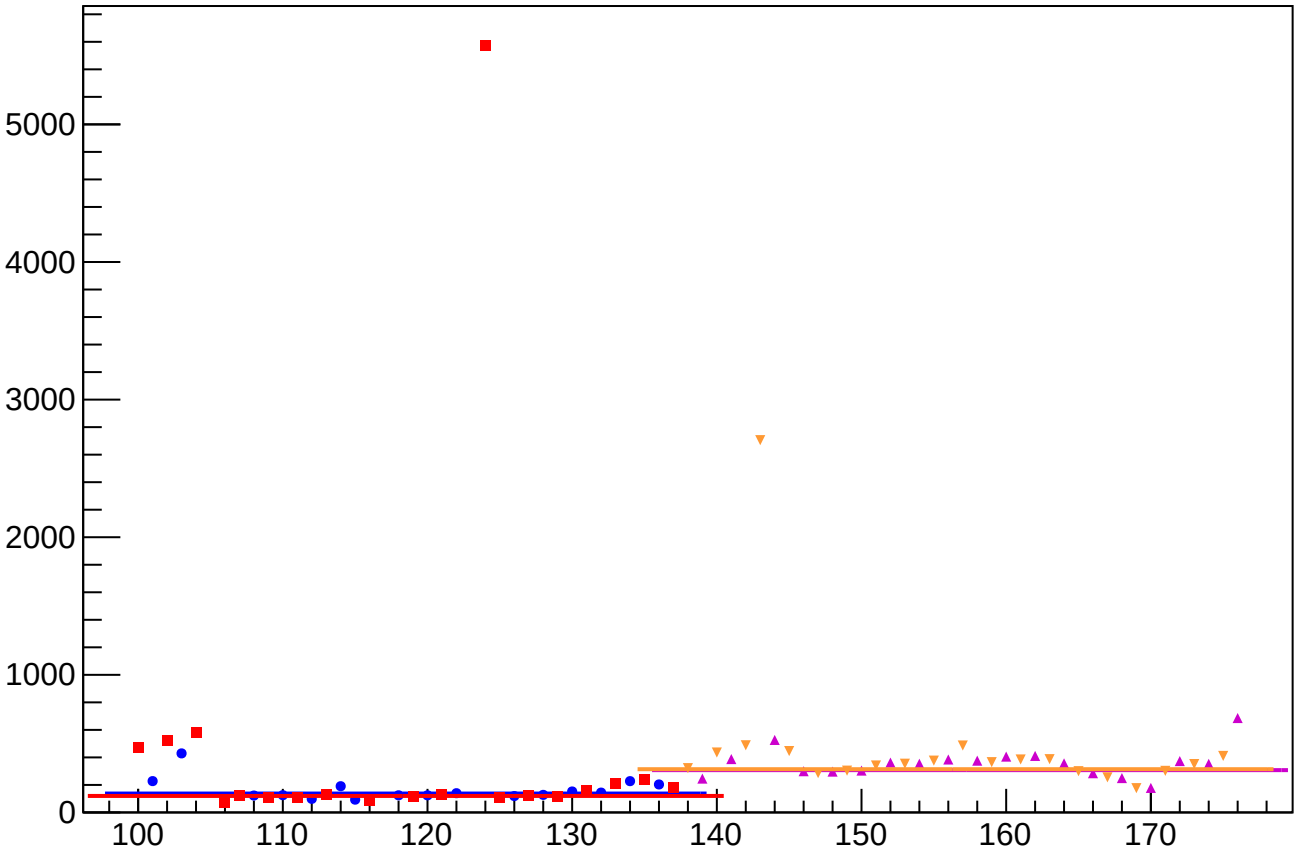
Left: -0.065+/-0.059 χ^2/NDF: 52.8/38

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 100.1/73



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

Left: 310.812+/-0.042 χ^2/NDF: 5501656.8/38

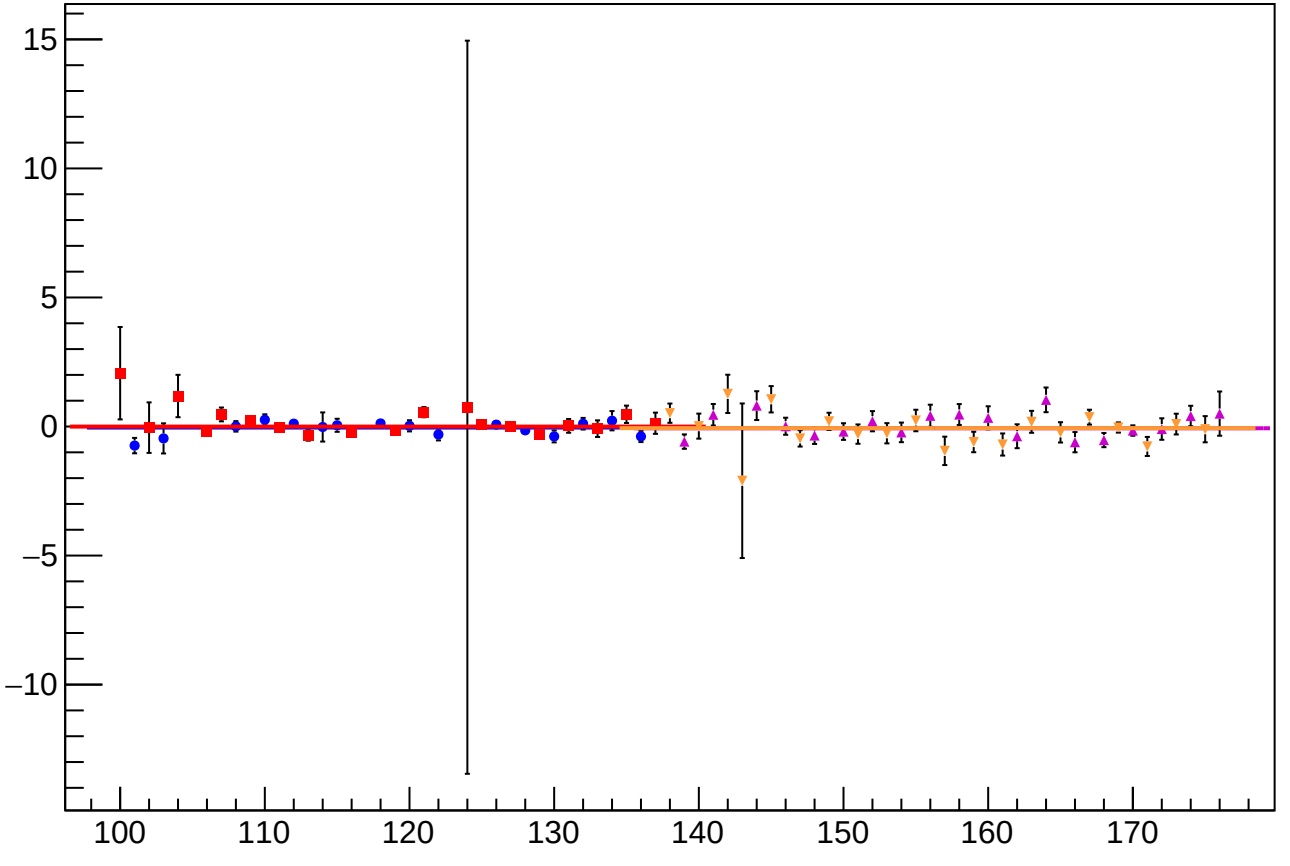
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 190.793+/-0.033 χ^2/NDF:9373769.9/34

Out: 171.064+/-0.031 χ^2/NDF:13010698.1/38

All: 180.378+/-0.022 χ^2/NDF: 22576682.7/73

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: -0.063+/-0.085 χ^2/NDF:27.4/19

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

Left: -0.065+/-0.059 χ^2/NDF: 52.8/38

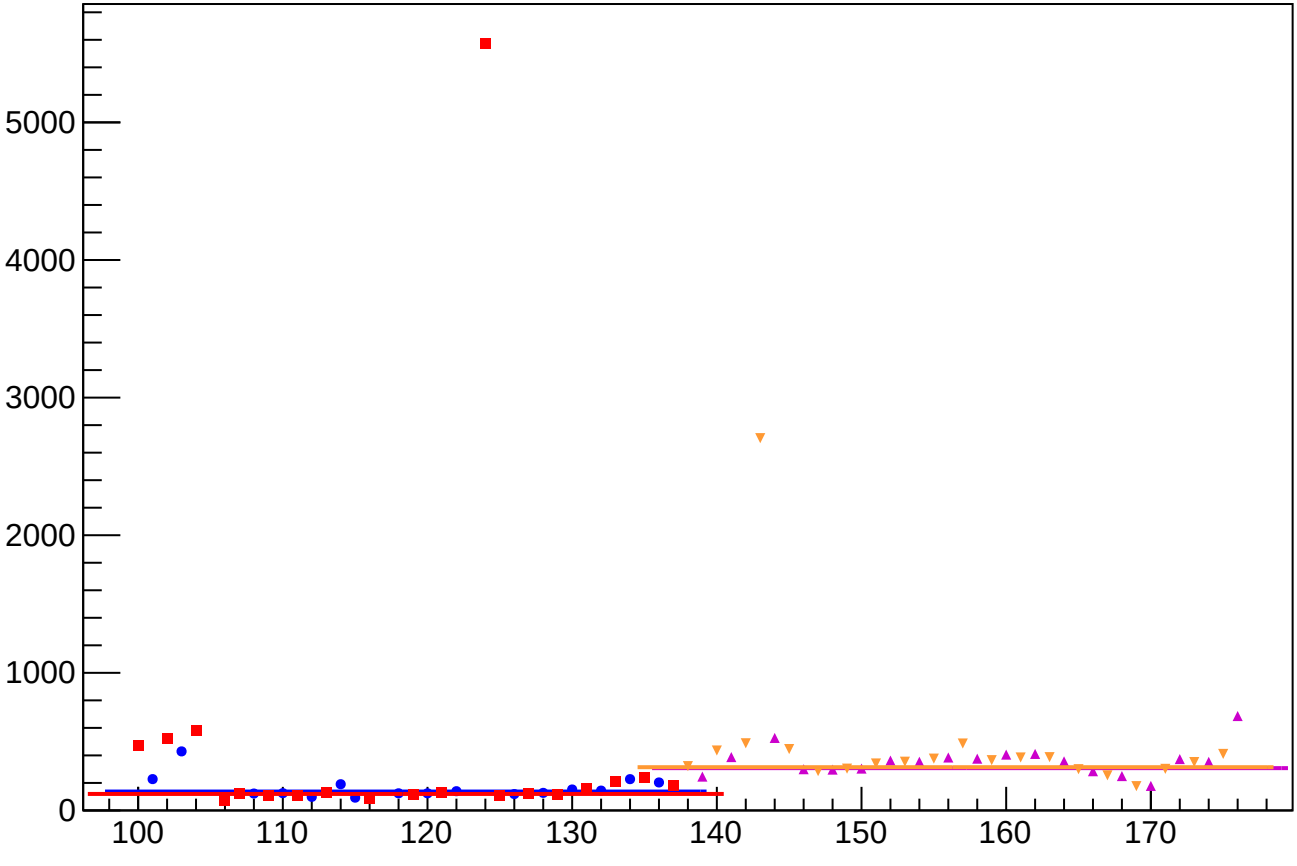
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.019+/-0.044 χ^2/NDF:56.5/38

All: -0.033+/-0.032 χ^2/NDF: 100.1/73

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 314.315+/-0.060 χ^2/NDF:3220028.2/19

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

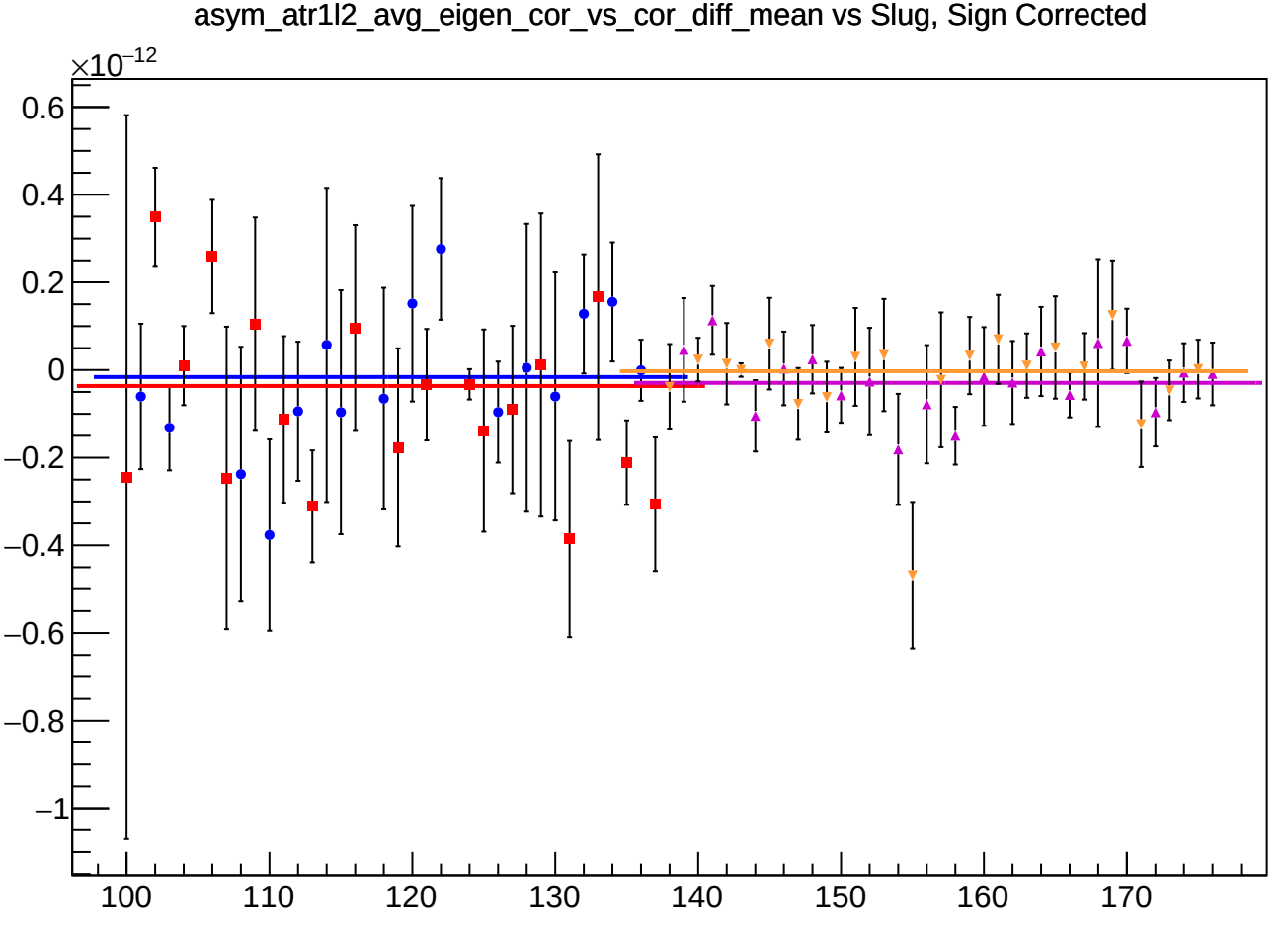
Left: 310.812+/-0.042 χ^2/NDF: 5501656.8/38

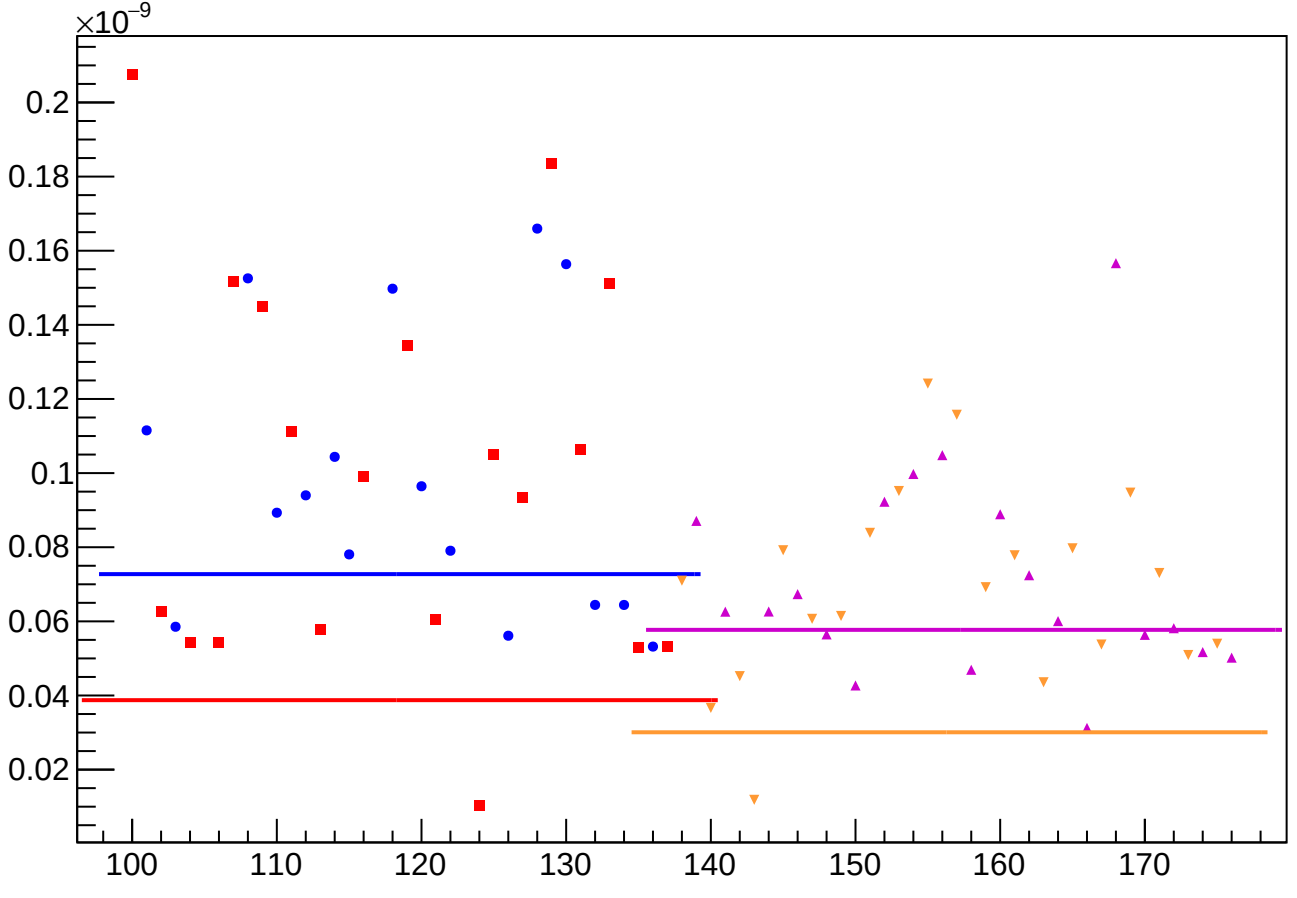
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 190.793+/-0.033 χ^2/NDF:9373769.9/34

Out: 171.064+/-0.031 χ^2/NDF:13010698.1/38

All: 180.378+/-0.022 χ^2/NDF: 22576682.7/73


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:14.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:14.0/18
Left: -0.000+/-0.000 χ²/NDF: 29.5/38
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:26.4/34
Out: -0.000+/-0.000 χ²/NDF:48.7/38
All: -0.000+/-0.000 χ²/NDF: 75.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9329550.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2267727.9/18

Left: 0.000+/-0.000 χ^2/NDF: 14637721.0/38

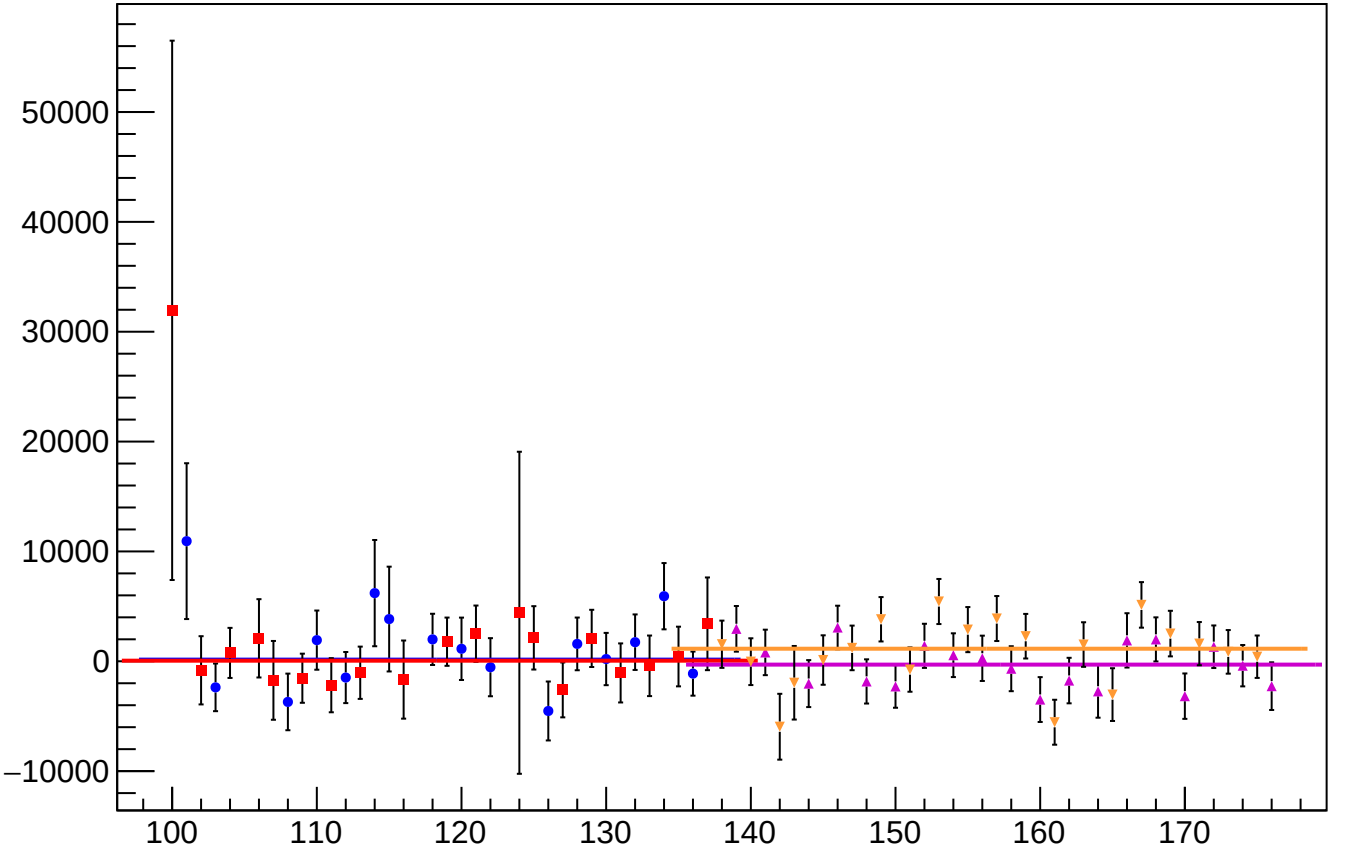
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3655605.2/34

Out: 0.000+/-0.000 χ^2/NDF:13784439.6/38

All: 0.000+/-0.000 χ^2/NDF: 21635841.3/73

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1143.226+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -304.239+/-472.602 χ^2/NDF:18.4/18

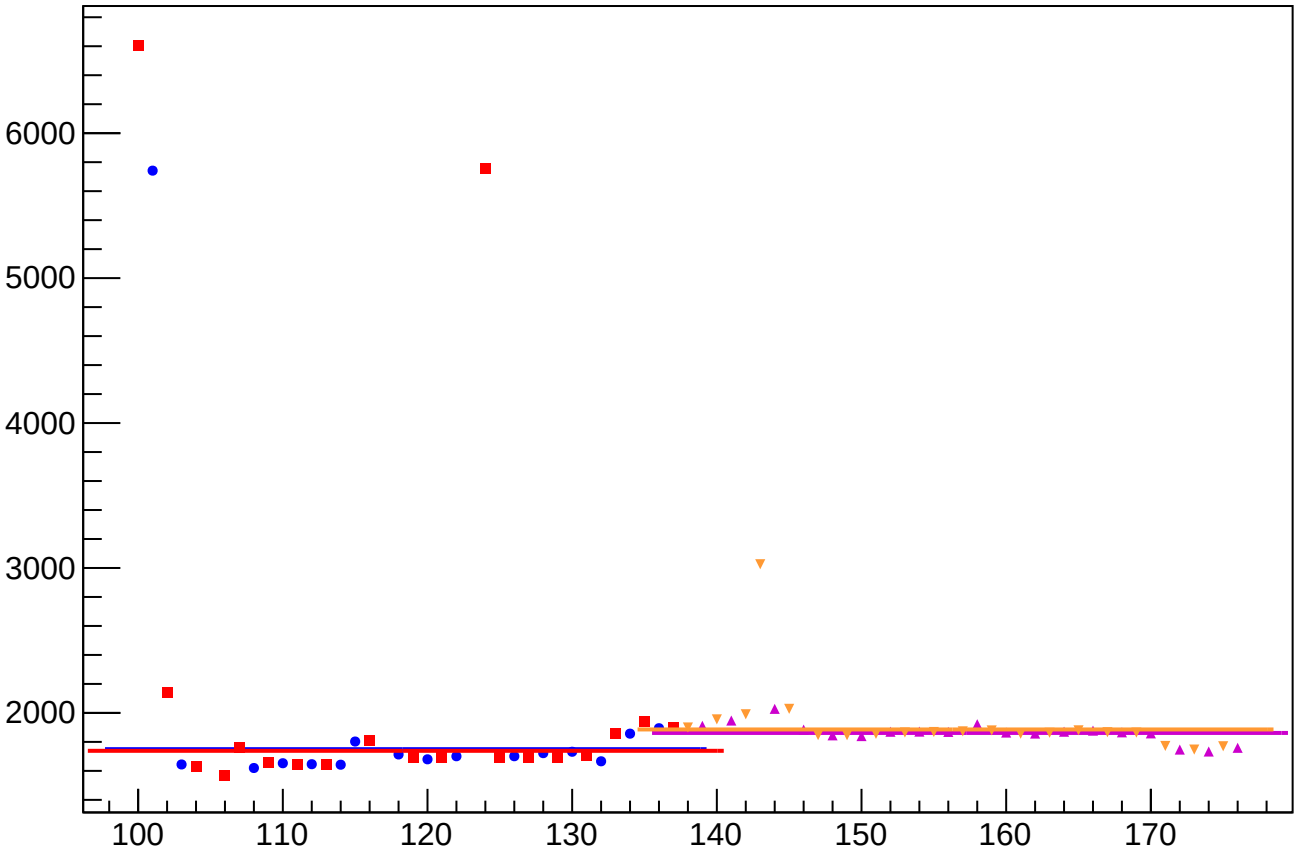
Left: 415.286+/-335.150 χ^2/NDF: 58.1/38

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -152.182+/-385.621 χ^2/NDF:36.4/34

Out: 767.691+/-384.774 χ^2/NDF:45.8/38

All: 308.767+/-272.375 χ^2/NDF: 85.1/73



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.4/18

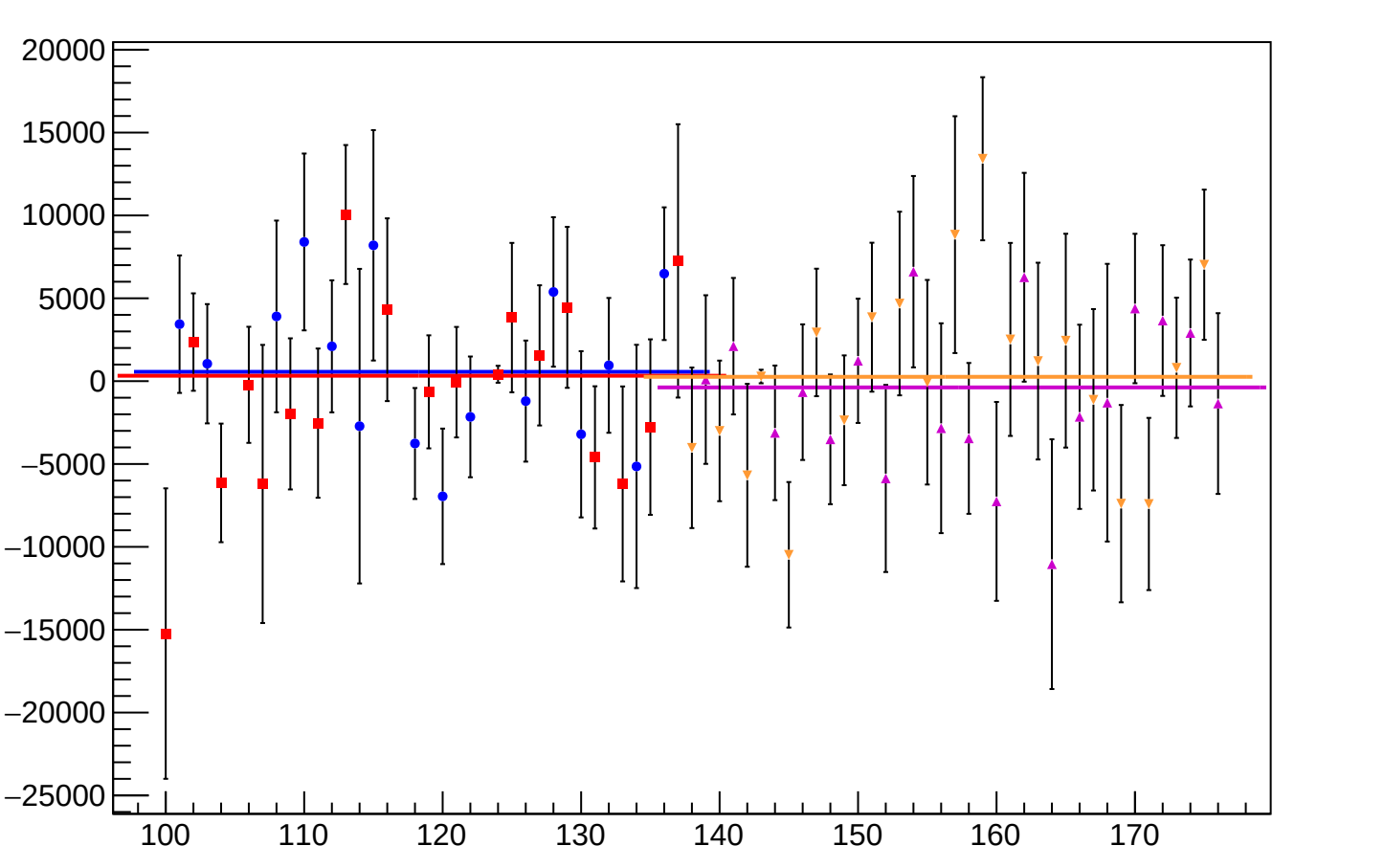
Left: 1873.766+/-0.237 χ^2/NDF: 314118.8/38

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1824.397+/-0.273 χ^2/NDF:747085.9/34

Out: 1834.556+/-0.271 χ^2/NDF:642951.7/38

All: 1829.500+/-0.192 χ^2/NDF: 1390735.1/73



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 260.670+/-385.041 χ^2/NDF:25.8/19

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -377.840+/-1126.373 χ^2/NDF:11.7/18

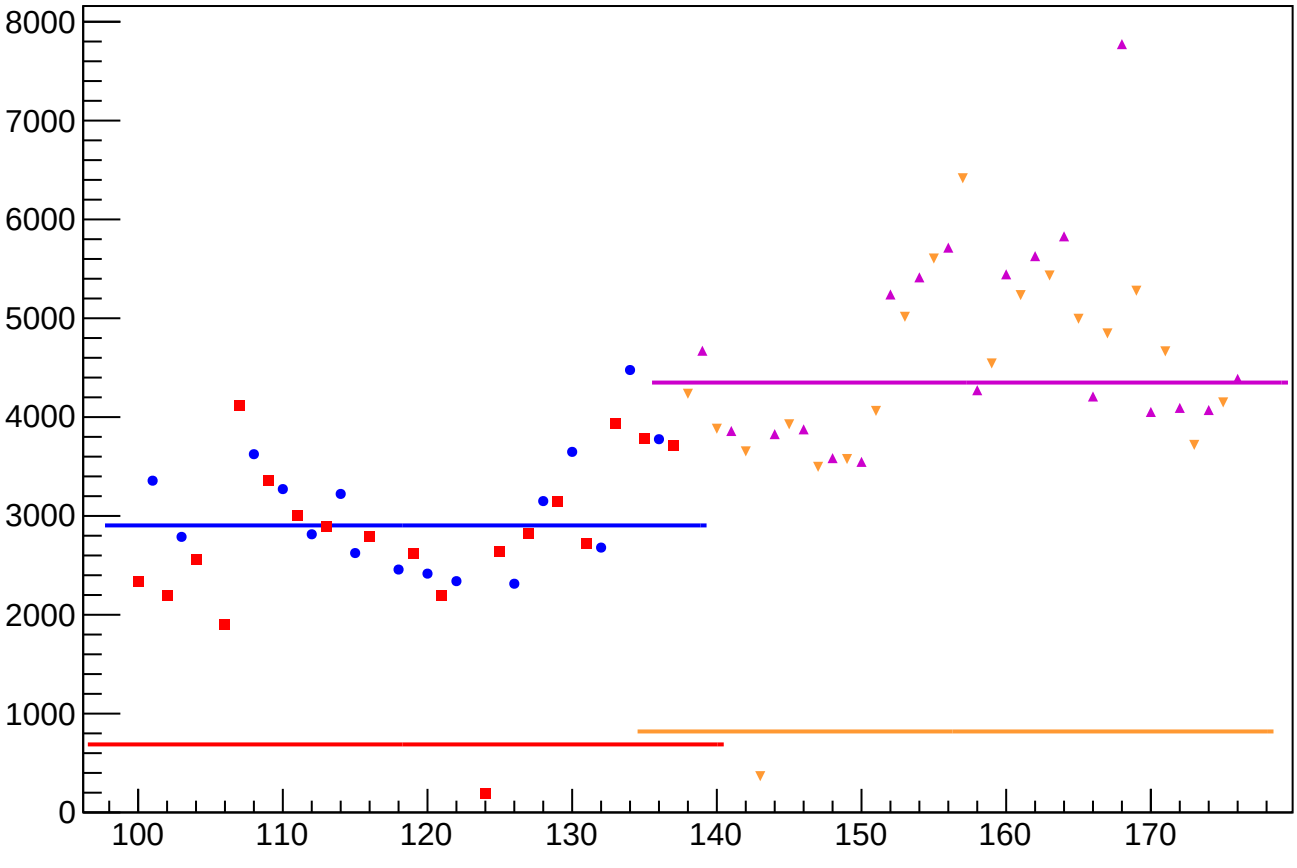
Left: 193.863+/-364.341 χ^2/NDF: 37.8/38

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 102.889+/-787.402 χ^2/NDF:26.9/34

Out: 287.547+/-294.712 χ^2/NDF:45.0/38

All: 264.857+/-276.013 χ^2/NDF: 71.9/73



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 819.442+/-0.272 χ^2/NDF:22248930.1/19

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4349.419+/-0.796 χ^2/NDF:1059830.1/18

Left: 1188.780+/-0.258 χ^2/NDF: 40896580.1/38

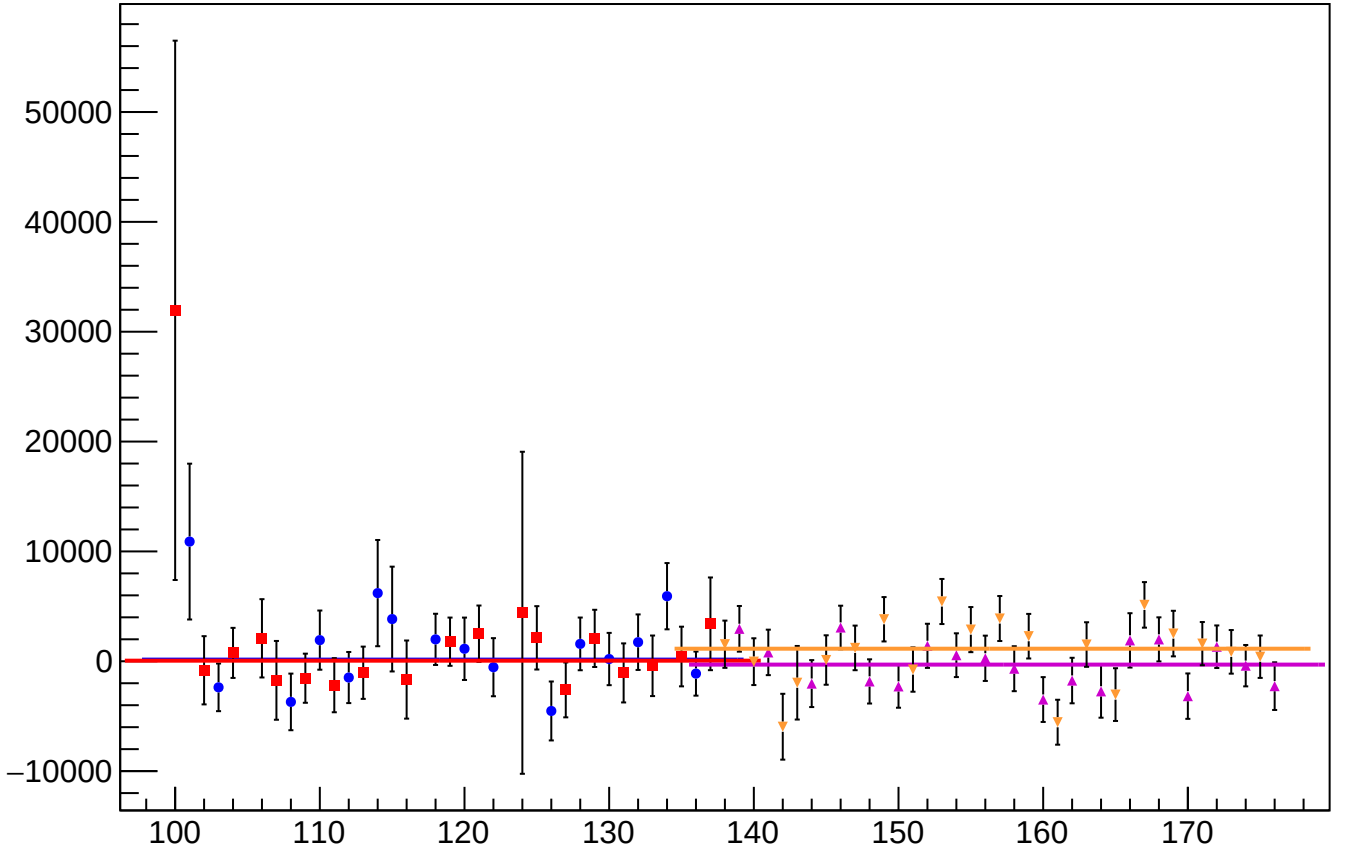
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3610.383+/-0.557 χ^2/NDF:3223468.1/34

Out: 765.137+/-0.208 χ^2/NDF:32493903.2/38

All: 1114.748+/-0.195 χ^2/NDF: 58622801.3/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -304.230+/-472.602 χ^2/NDF:18.4/18

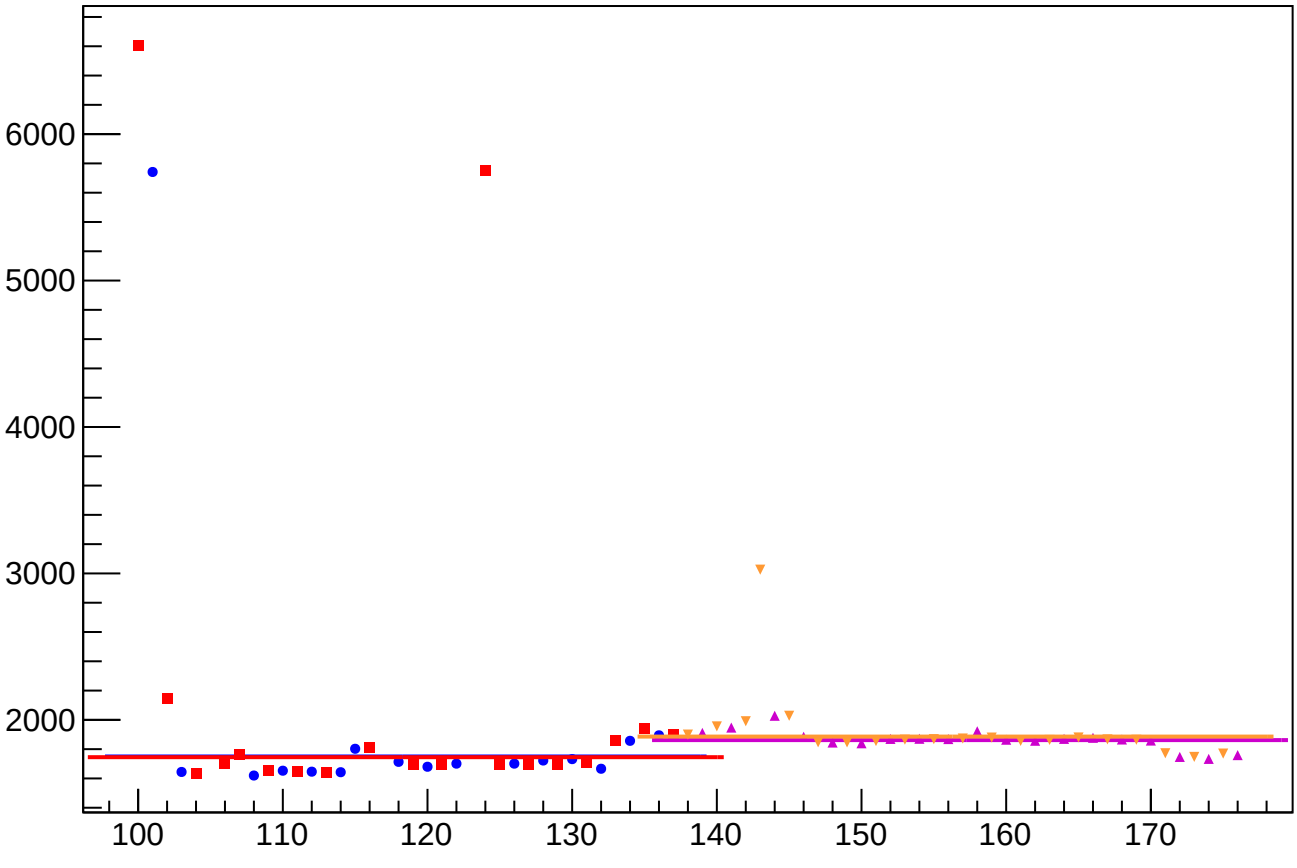
Left: 415.278+/-335.150 χ^2/NDF: 58.1/38

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -152.332+/-385.621 χ^2/NDF:36.4/34

Out: 767.692+/-384.774 χ^2/NDF:45.8/38

All: 308.692+/-272.375 χ^2/NDF: 85.0/73



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

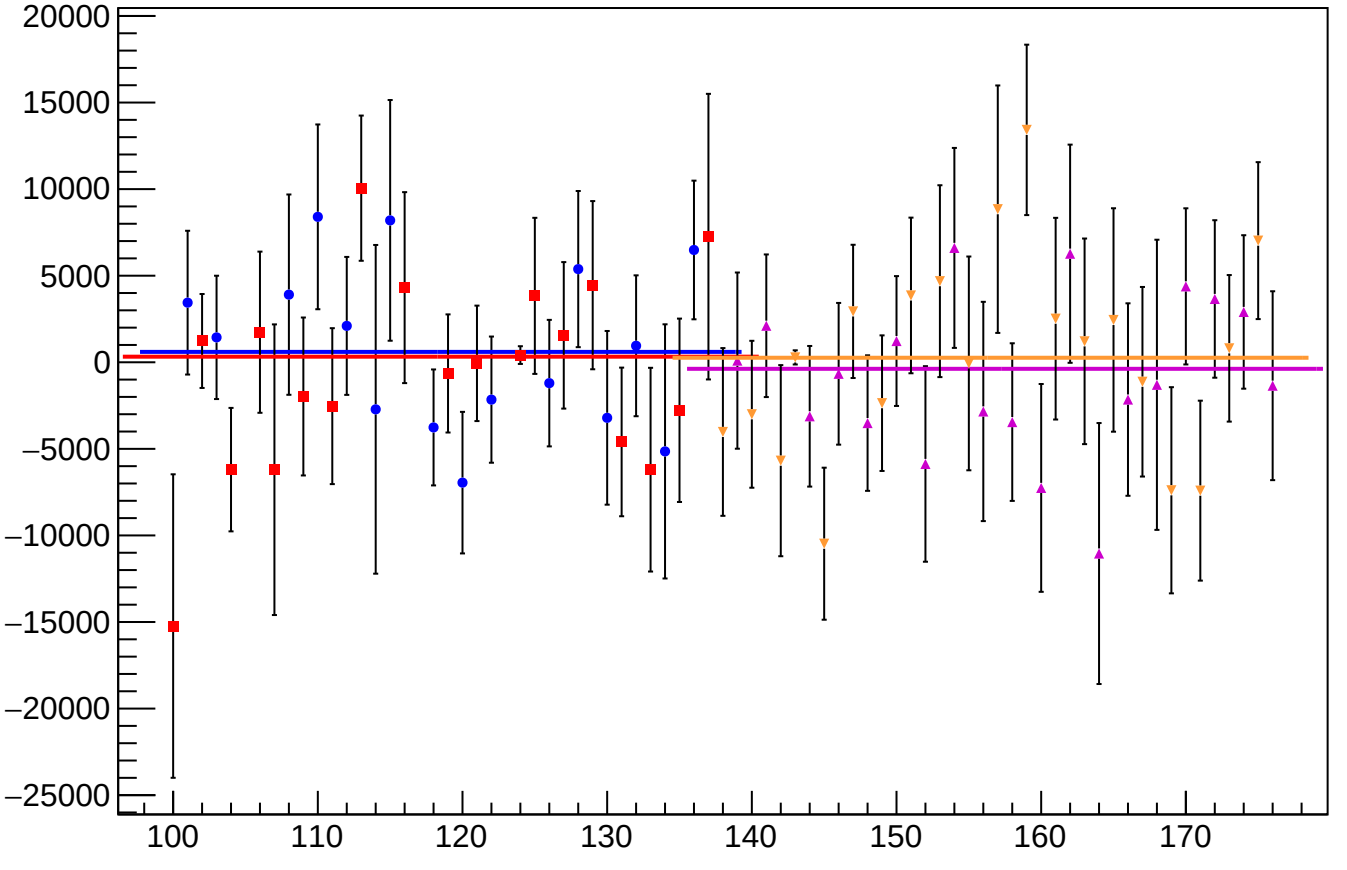
Left: 1873.766+/-0.237 χ^2/NDF: 314118.8/38

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1824.396+/-0.273 χ^2/NDF:747086.4/34

Out: 1837.118+/-0.272 χ^2/NDF:630208.1/38

All: 1830.779+/-0.192 χ^2/NDF: 1378386.5/73



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -377.906+/-1126.371 χ^2/NDF:11.7/18

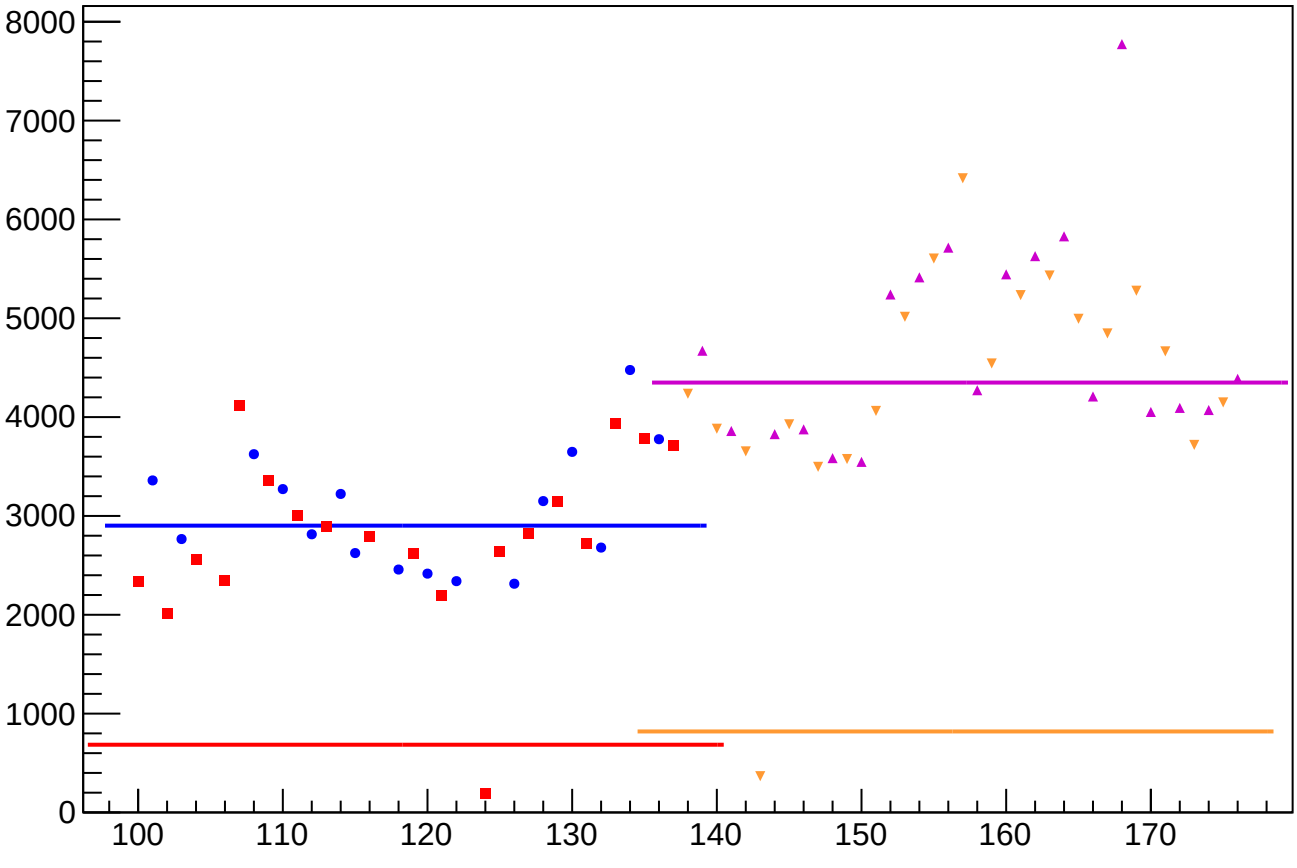
Left: 194.673+/-364.367 χ^2/NDF: 37.8/38

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 122.676+/-787.021 χ^2/NDF:26.9/34

Out: 287.036+/-294.969 χ^2/NDF:44.8/38

All: 266.792+/-276.207 χ^2/NDF: 71.8/73



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 819.550+/-0.272 χ^2/NDF:22248054.9/19

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4349.410+/-0.796 χ^2/NDF:1059846.7/18

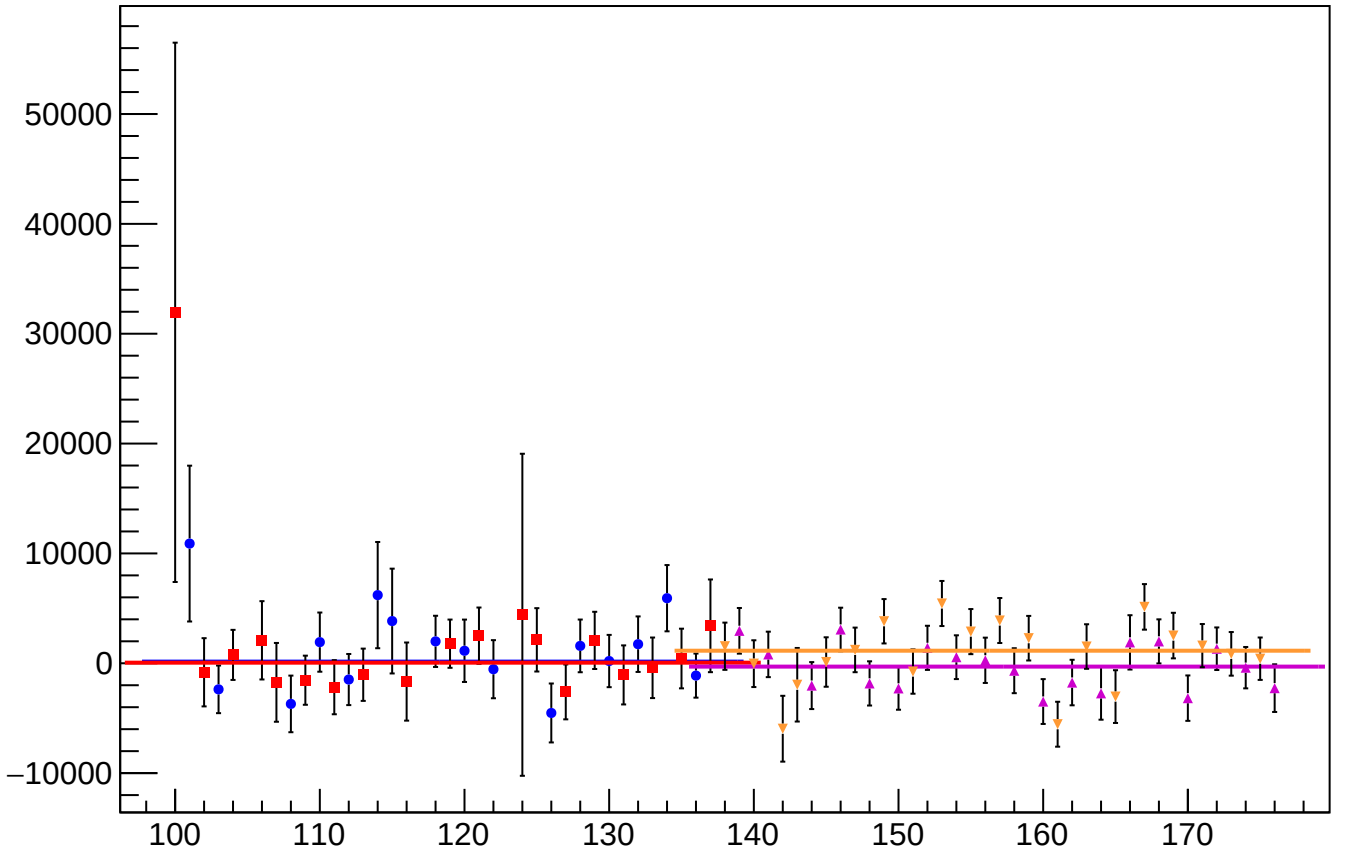
Left: 1188.929+/-0.258 χ^2/NDF: 40894326.6/38

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3608.574+/-0.557 χ^2/NDF:3231306.5/34

Out: 764.056+/-0.209 χ^2/NDF:32454369.8/38

All: 1114.409+/-0.195 χ^2/NDF: 58593873.5/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1143.201+/-475.358 χ^2/NDF:35.0/19

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -304.230+/-472.602 χ^2/NDF:18.4/18

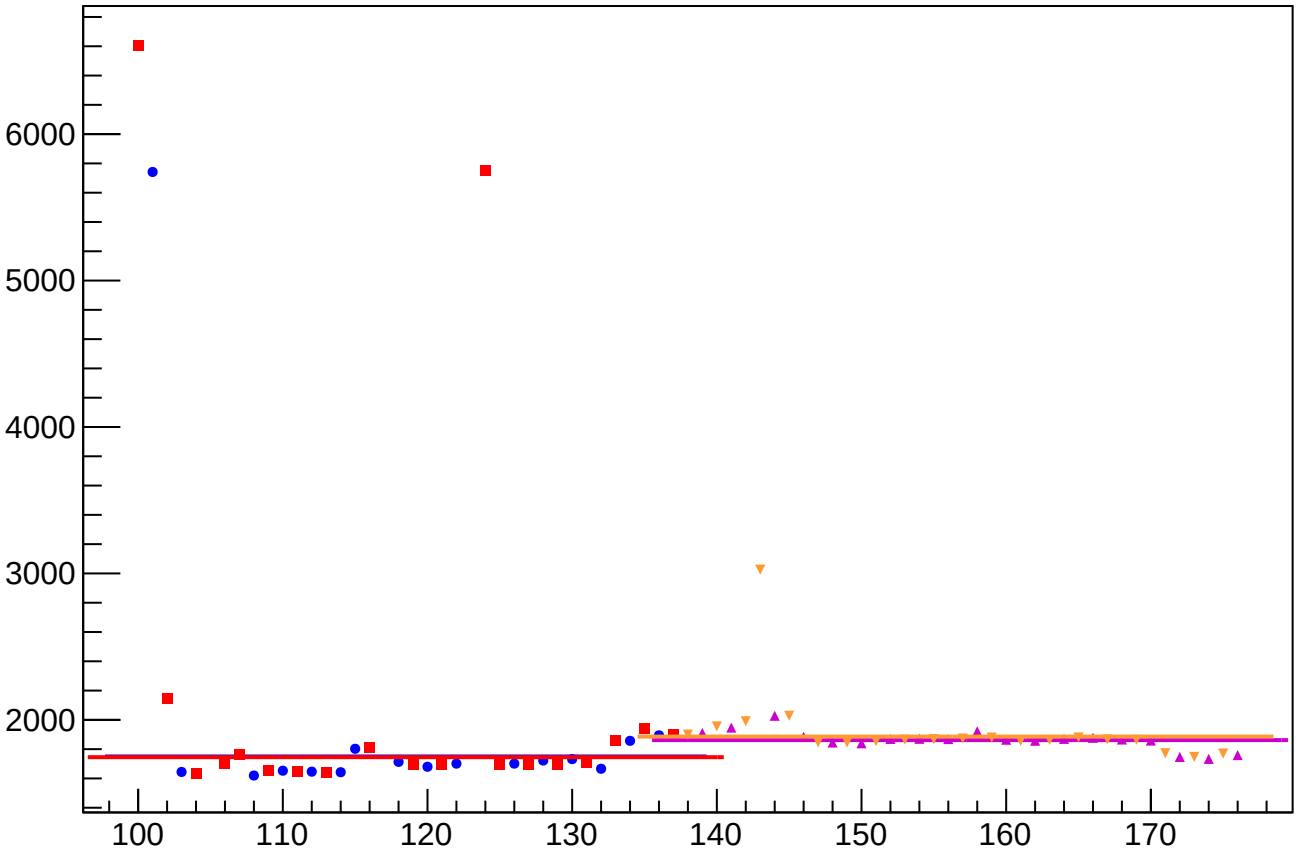
Left: 415.278+/-335.150 χ^2/NDF: 58.1/38

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -152.332+/-385.621 χ^2/NDF:36.4/34

Out: 767.692+/-384.774 χ^2/NDF:45.8/38

All: 308.692+/-272.375 χ^2/NDF: 85.0/73



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1885.861+/-0.336 χ^2/NDF:271540.0/19

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

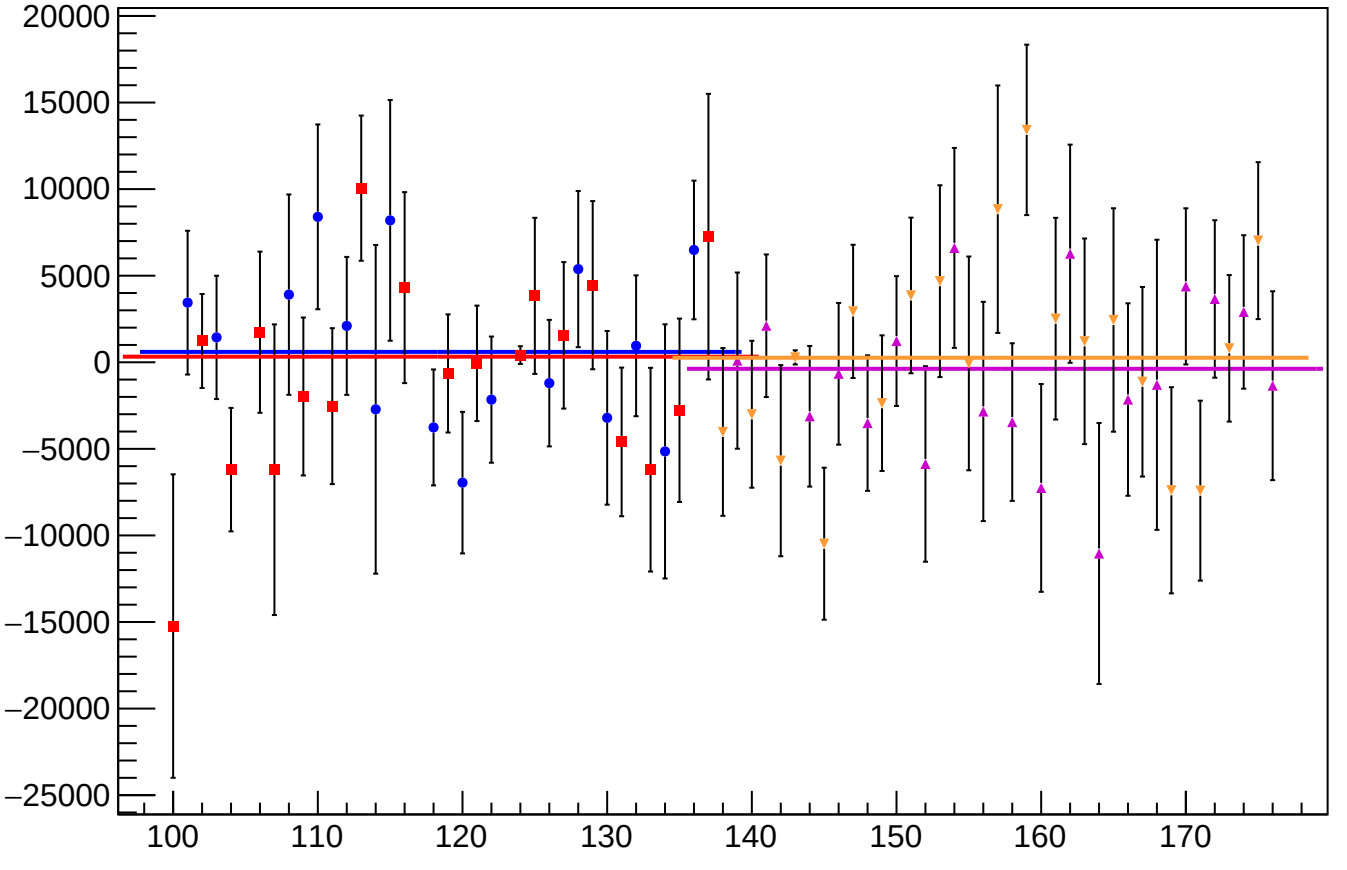
Left: 1873.766+/-0.237 χ^2/NDF: 314118.8/38

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1824.396+/-0.273 χ^2/NDF:747086.4/34

Out: 1837.118+/-0.272 χ^2/NDF:630208.1/38

All: 1830.779+/-0.192 χ^2/NDF: 1378386.5/73



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 261.593+/-385.071 χ^2/NDF:25.8/19

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -377.906+/-1126.371 χ^2/NDF:11.7/18

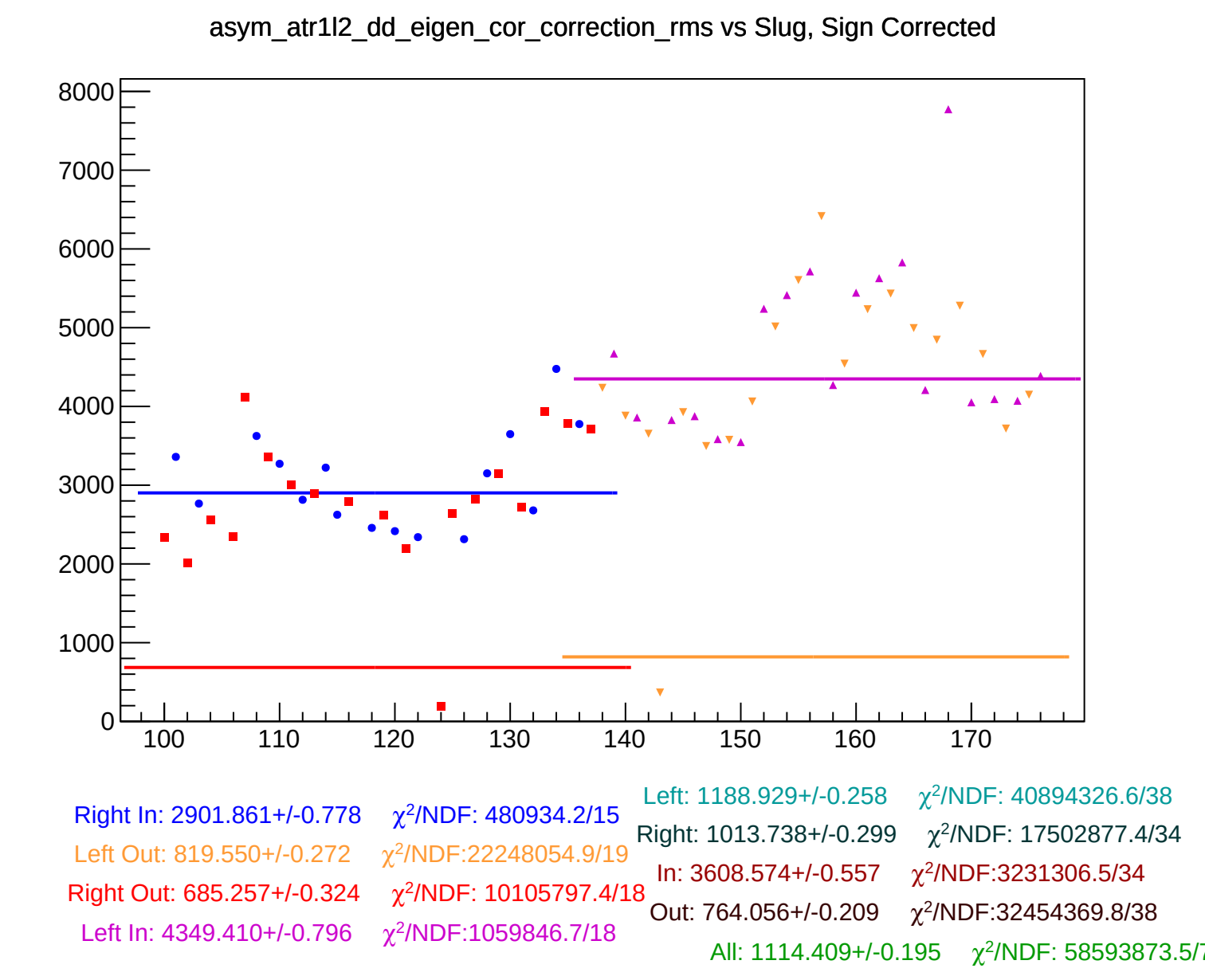
Left: 194.673+/-364.367 χ^2/NDF: 37.8/38

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

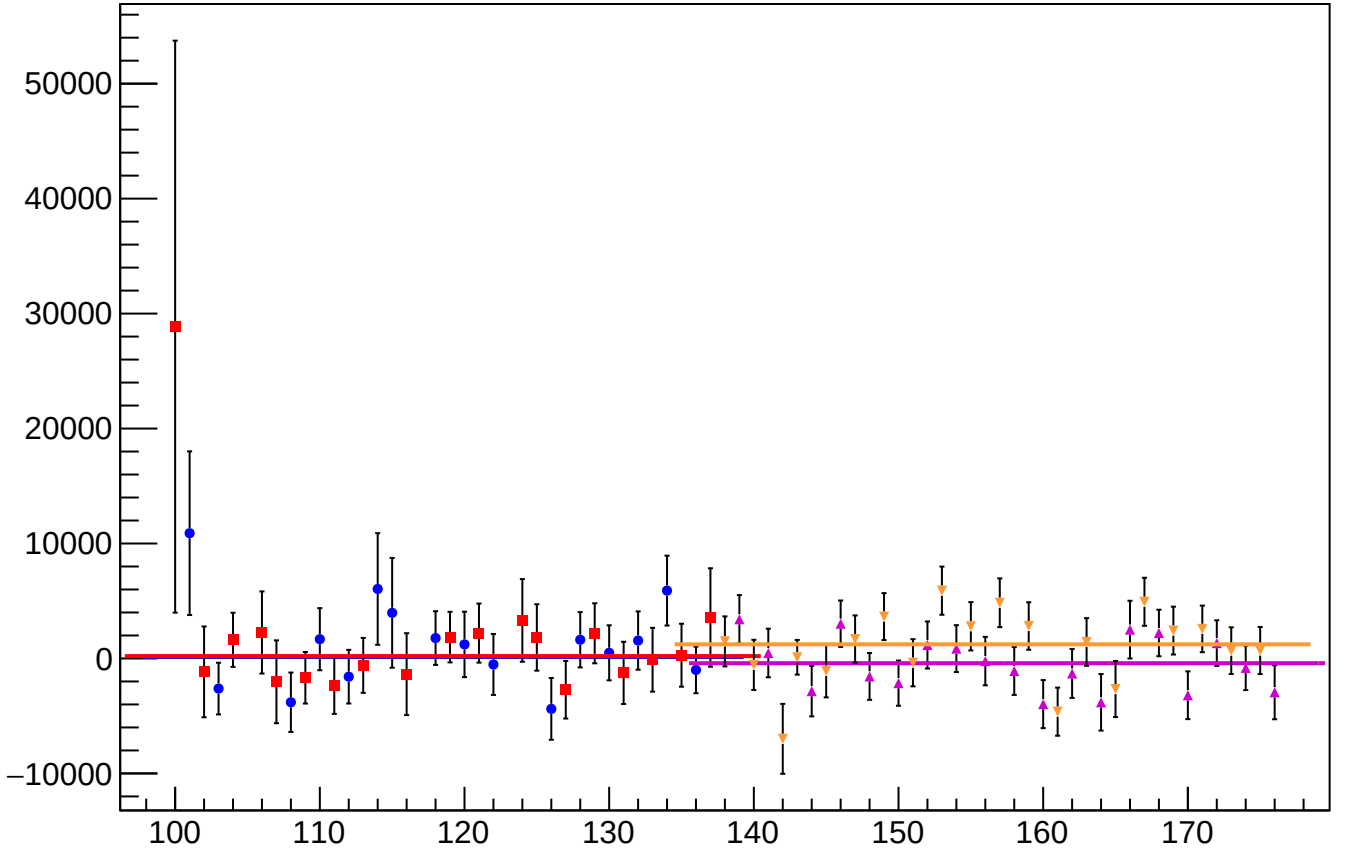
In: 122.676+/-787.021 χ^2/NDF:26.9/34

Out: 287.036+/-294.969 χ^2/NDF:44.8/38

All: 266.792+/-276.207 χ^2/NDF: 71.8/73


asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 2901.861+/-0.778 χ²/NDF: 480934.2/15
Left Out: 819.550+/-0.272 χ²/NDF:22248054.9/19
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4349.410+/-0.796 χ²/NDF:1059846.7/18
Left: 1188.929+/-0.258 χ²/NDF: 40894326.6/38
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 3608.574+/-0.557 χ²/NDF:3231306.5/34
Out: 764.056+/-0.209 χ²/NDF:32454369.8/38
All: 1114.409+/-0.195 χ²/NDF: 58593873.5/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.218+/-466.516 χ^2/NDF:35.1/19

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -409.546+/-482.753 χ^2/NDF:21.6/18

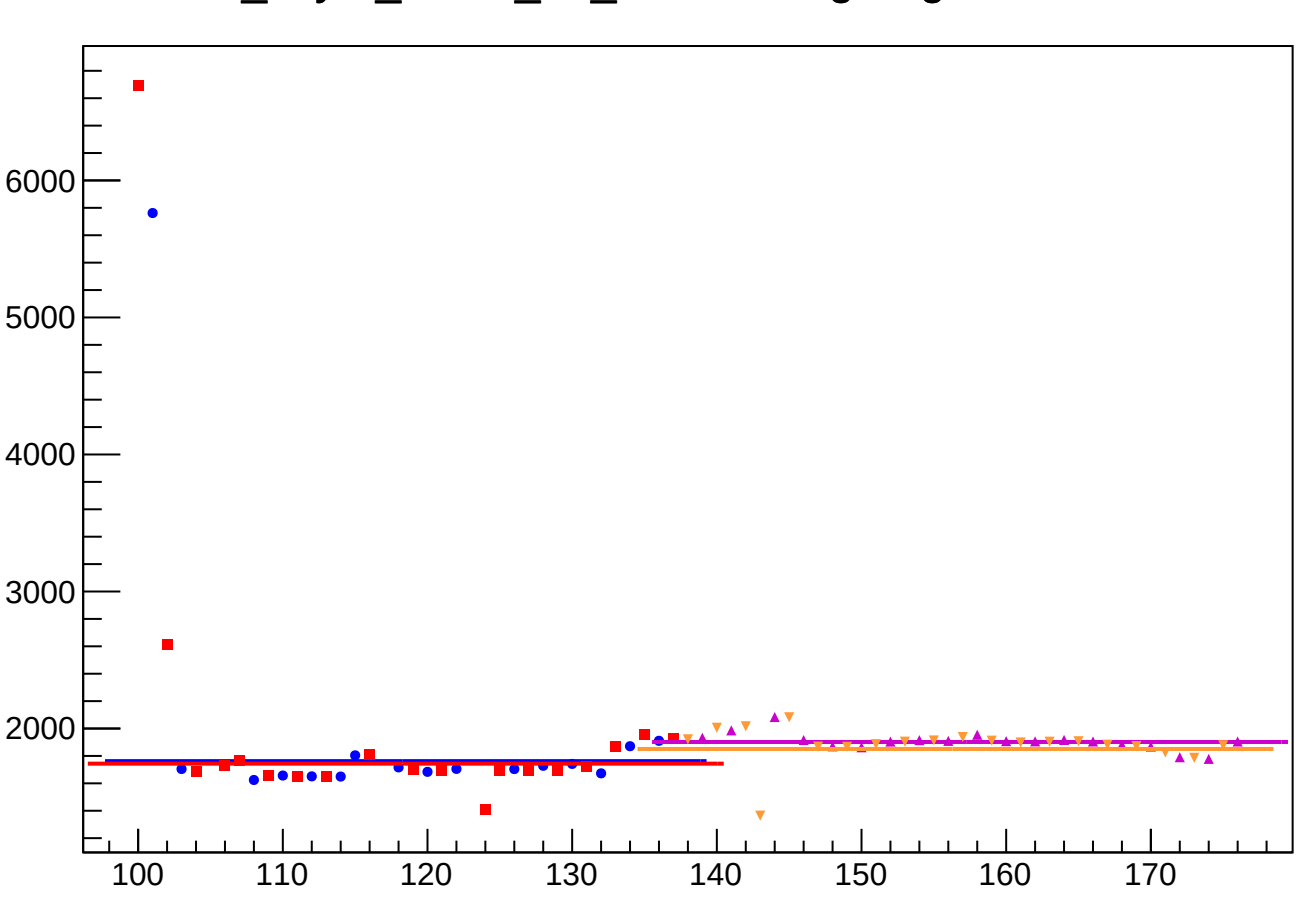
Left: 439.409+/-335.470 χ^2/NDF: 62.7/38

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -224.440+/-391.995 χ^2/NDF:39.3/34

Out: 886.257+/-379.879 χ^2/NDF:46.4/38

All: 348.340+/-272.798 χ^2/NDF: 89.9/73



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.889+/-0.330 χ^2/NDF:261510.6/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.885+/-0.341 χ^2/NDF:35415.0/18

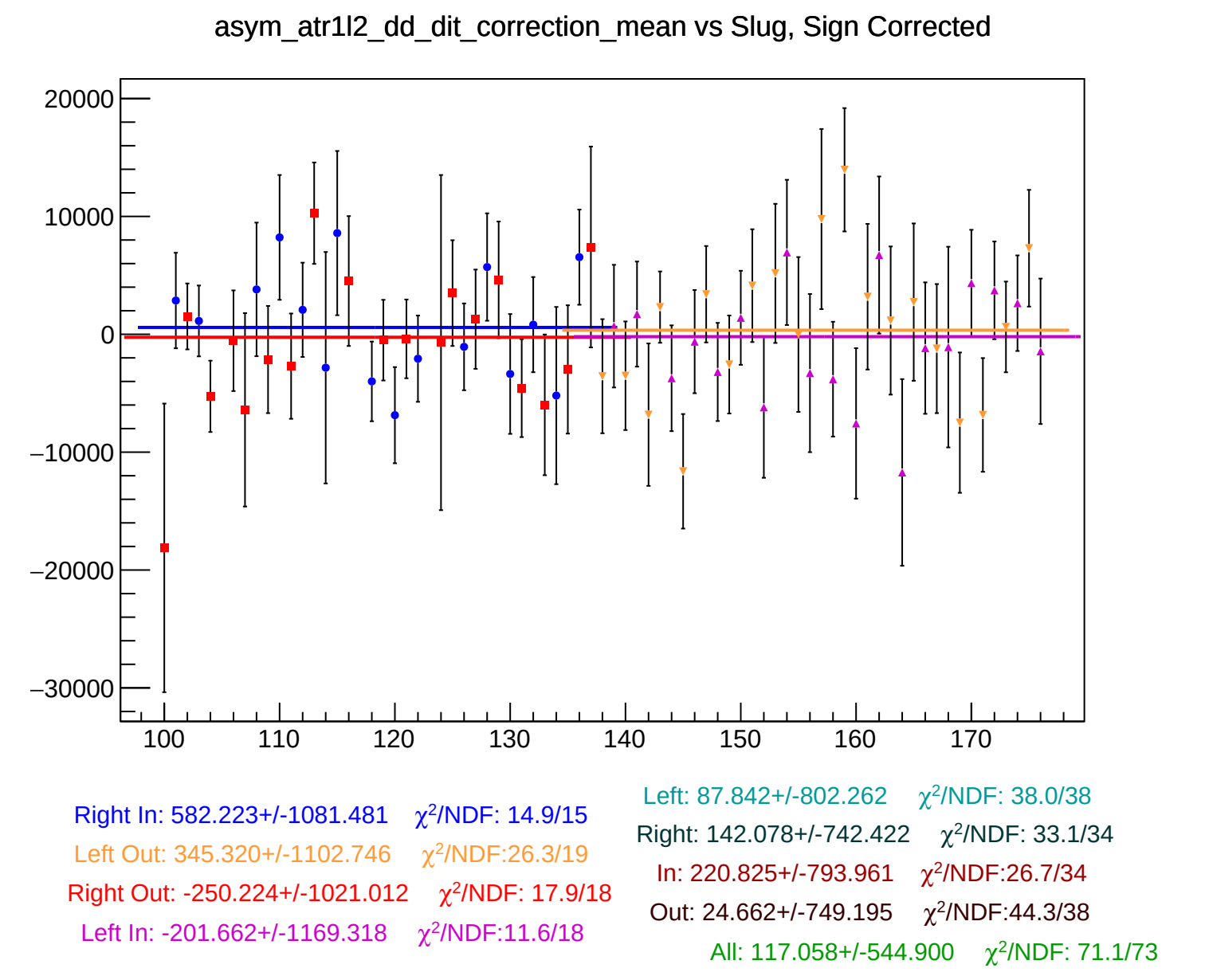
Left: 1875.515+/-0.237 χ^2/NDF: 308466.1/38

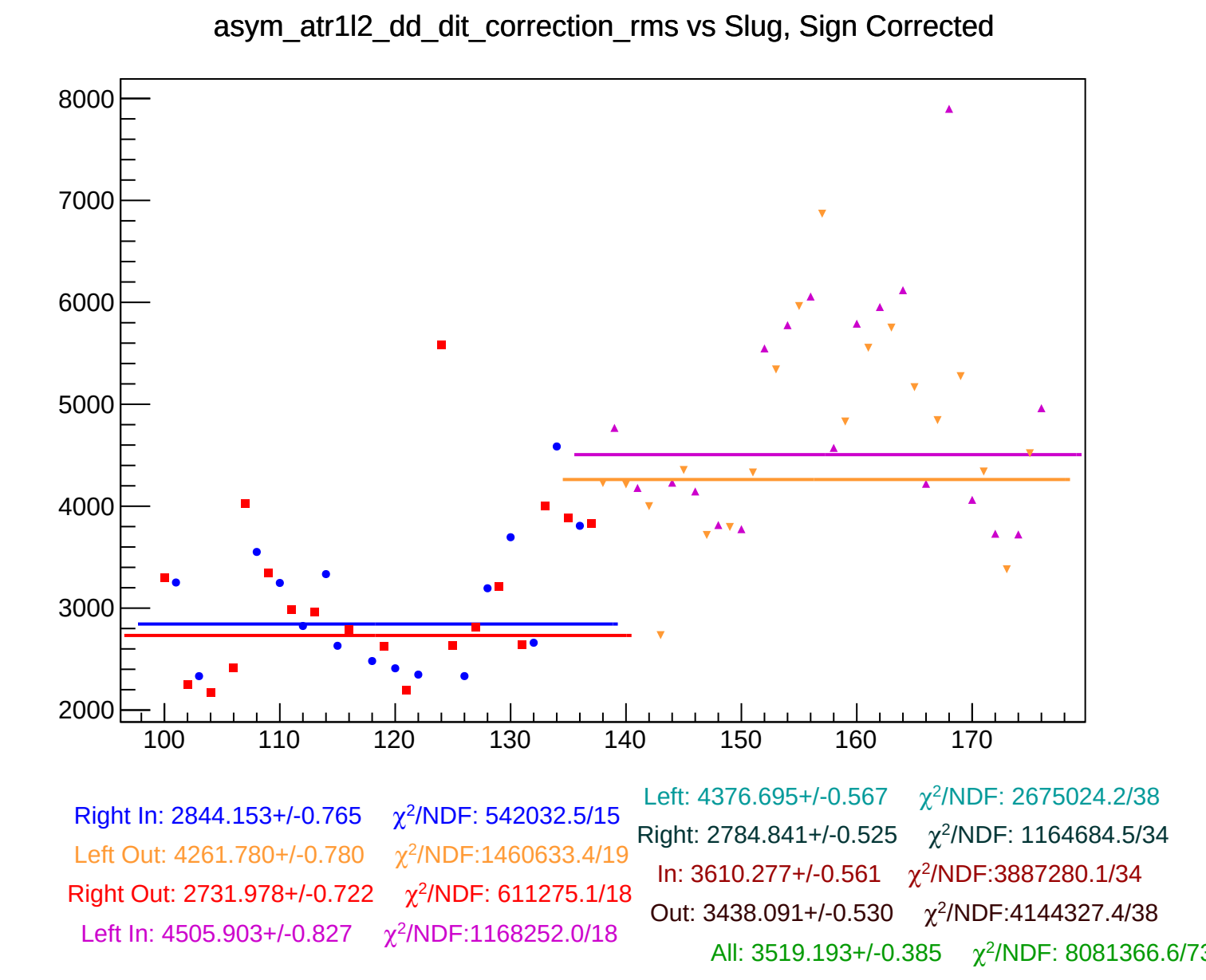
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1854.250+/-0.277 χ^2/NDF:760274.9/34

Out: 1814.643+/-0.268 χ^2/NDF:524968.4/38

All: 1833.806+/-0.193 χ^2/NDF: 1295782.7/73


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: 345.320+/-1102.746 χ²/NDF:26.3/19
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -201.662+/-1169.318 χ²/NDF:11.6/18
Left: 87.842+/-802.262 χ²/NDF: 38.0/38
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 220.825+/-793.961 χ²/NDF:26.7/34
Out: 24.662+/-749.195 χ²/NDF:44.3/38
All: 117.058+/-544.900 χ²/NDF: 71.1/73


asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected
8000
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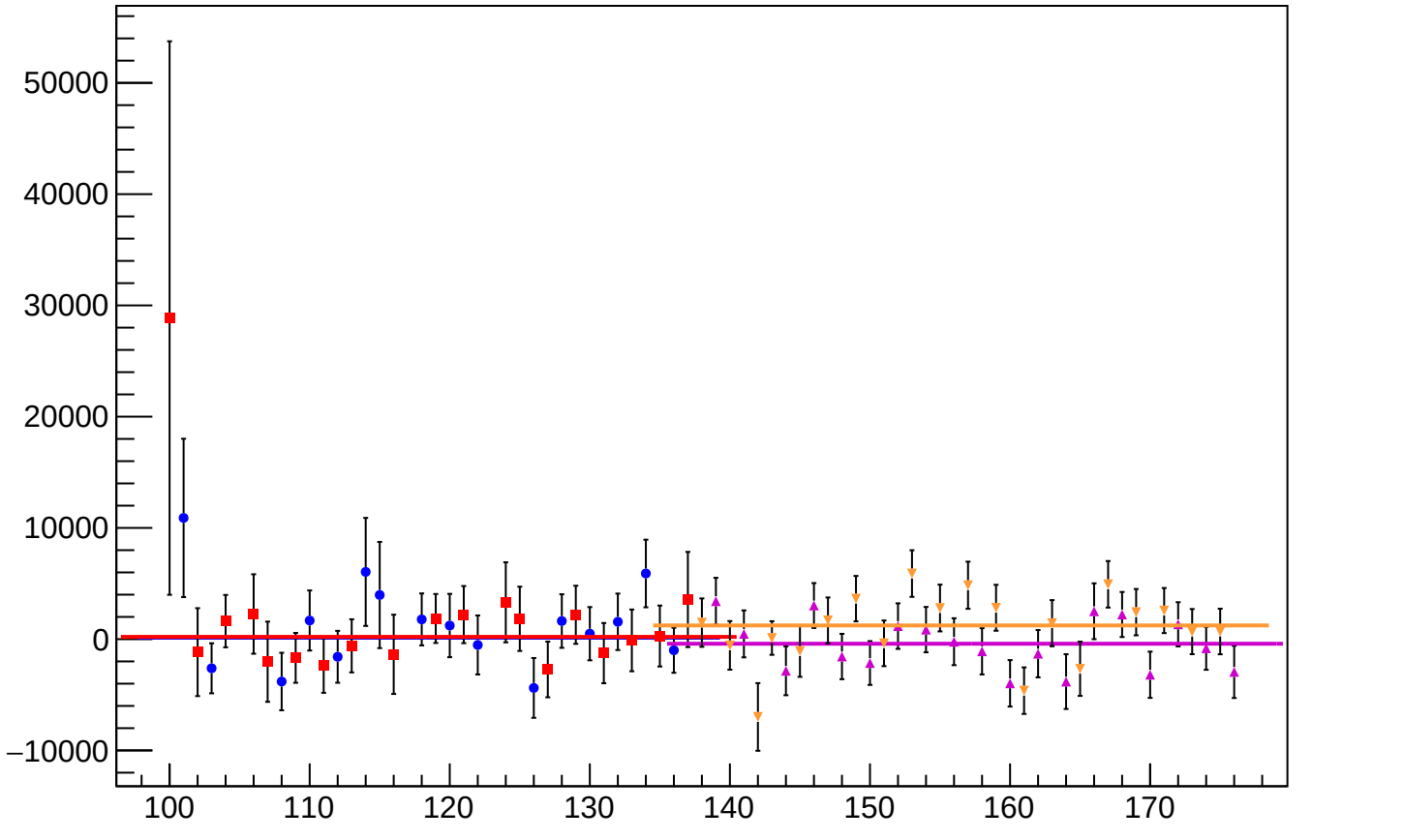
2000
100
110
120
130
140
150
160
170
Right In: 2844.153+/-0.765 χ²/NDF: 542032.5/15
Left Out: 4261.780+/-0.780 χ²/NDF:1460633.4/19
Right Out: 2731.978+/-0.722 χ²/NDF: 611275.1/18
Left In: 4505.903+/-0.827 χ²/NDF:1168252.0/18
Left: 4376.695+/-0.567 χ²/NDF: 2675024.2/38
Right: 2784.841+/-0.525 χ²/NDF: 1164684.5/34
In: 3610.277+/-0.561 χ²/NDF:3887280.1/34
Out: 3438.091+/-0.530 χ²/NDF:4144327.4/38
All: 3519.193+/-0.385 χ²/NDF: 8081366.6/73



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1232.219+/-466.516 χ^2/NDF:35.1/19

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -409.547+/-482.753 χ^2/NDF:21.6/18

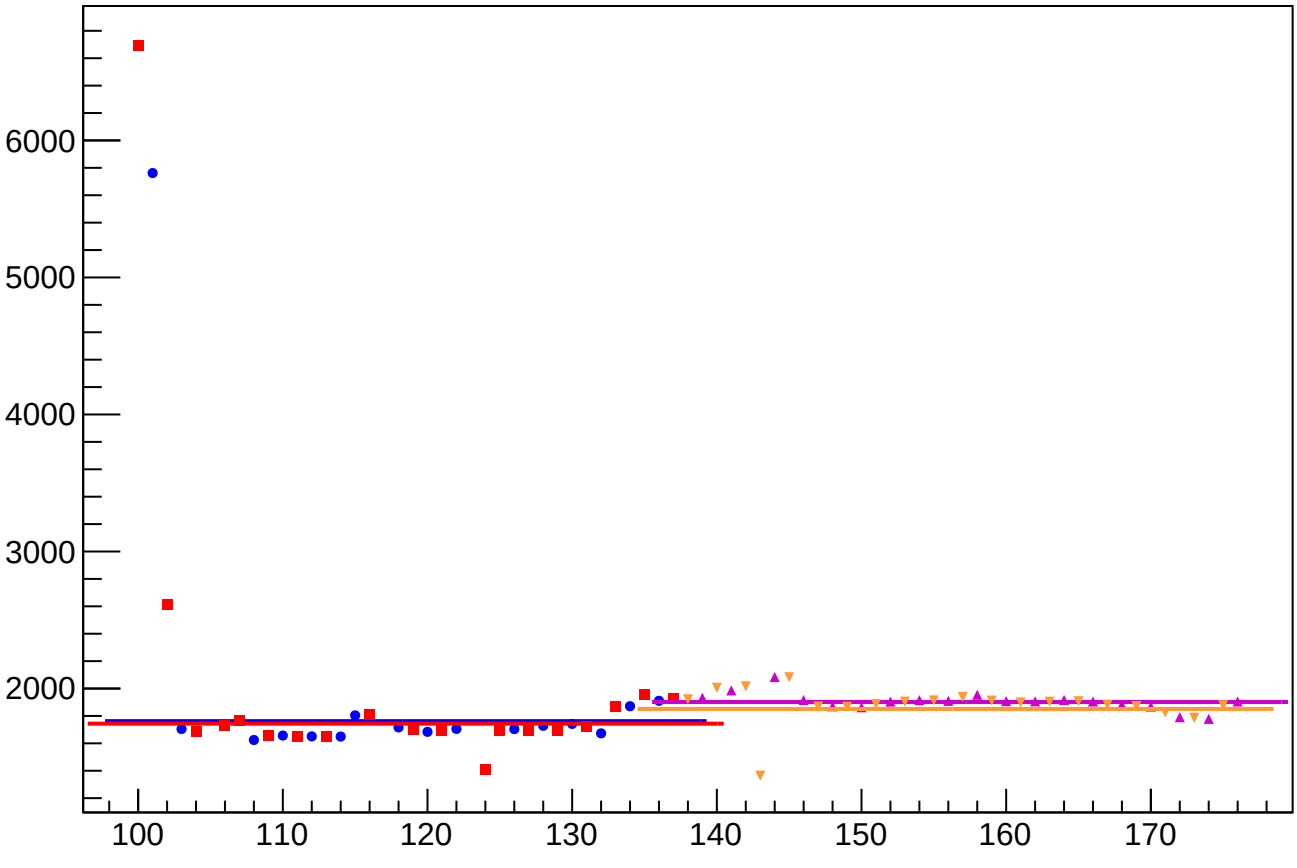
Left: 439.409+/-335.470 χ^2/NDF: 62.7/38

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -224.441+/-391.996 χ^2/NDF:39.3/34

Out: 886.257+/-379.879 χ^2/NDF:46.4/38

All: 348.339+/-272.798 χ^2/NDF: 89.9/73



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1850.890+/-0.330 χ^2/NDF:261512.2/19

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.886+/-0.341 χ^2/NDF:35416.2/18

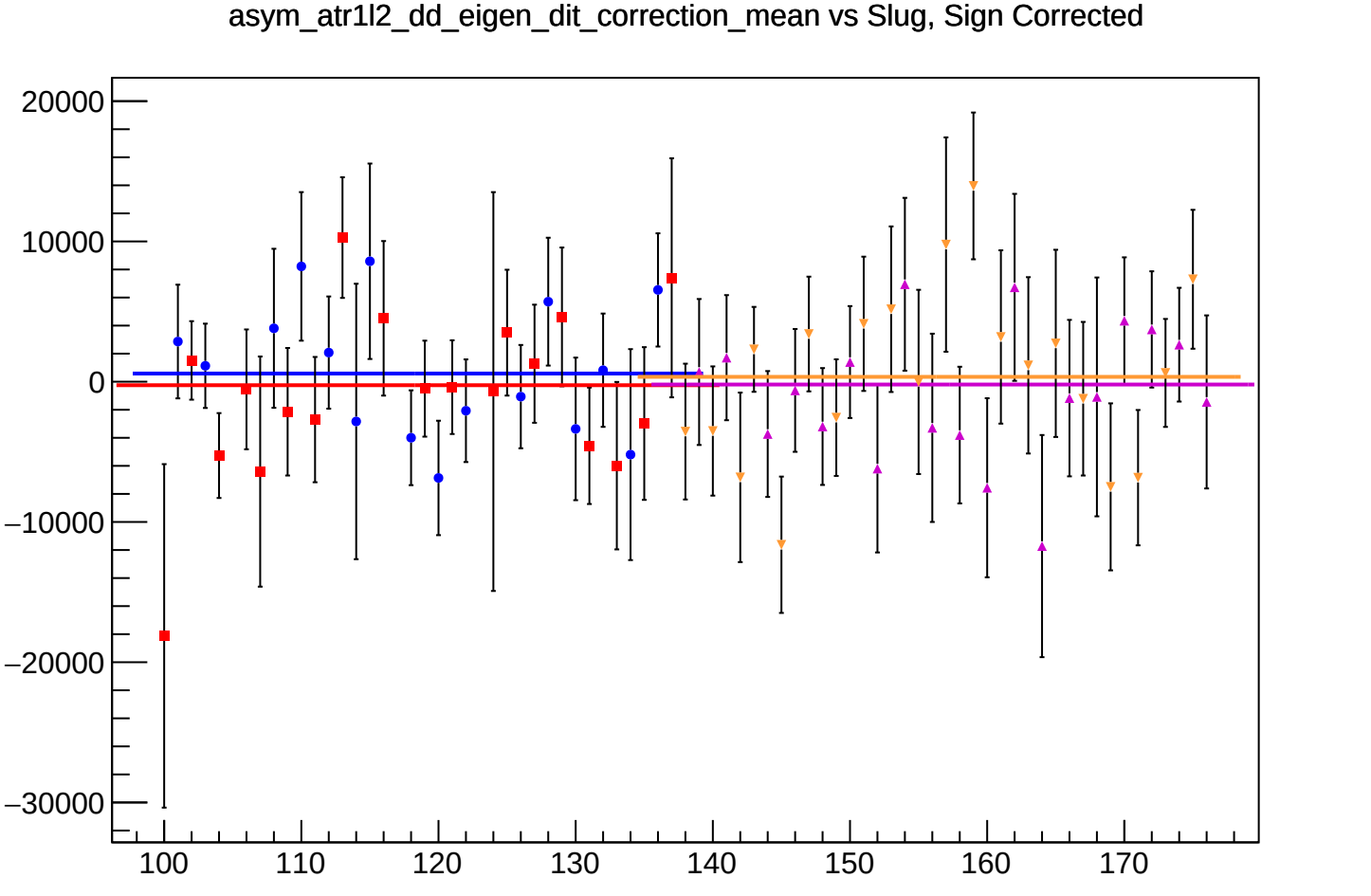
Left: 1875.516+/-0.237 χ^2/NDF: 308469.0/38

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1854.251+/-0.277 χ^2/NDF:760276.5/34

Out: 1814.643+/-0.268 χ^2/NDF:524970.3/38

All: 1833.806+/-0.193 χ^2/NDF: 1295786.4/73


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
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−10000
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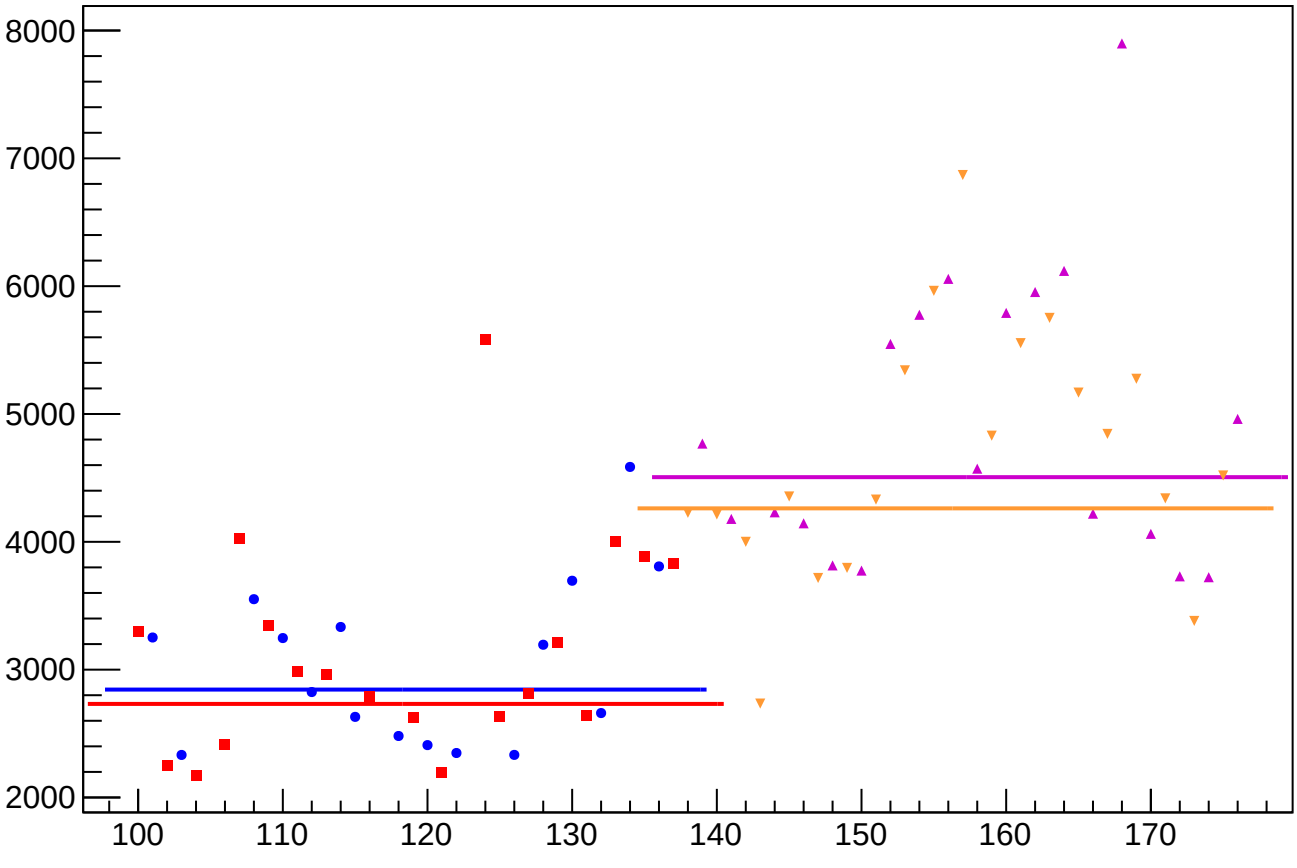
−30000
100
110
120
130
140
150
160
170
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: 345.324+/-1102.748 χ²/NDF:26.3/19
Right Out: -250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: -201.663+/-1169.320 χ²/NDF:11.6/18
Left: 87.843+/-802.263 χ²/NDF: 38.0/38
Right: 142.075+/-742.420 χ²/NDF: 33.1/34
In: 220.824+/-793.961 χ²/NDF:26.7/34
Out: 24.662+/-749.195 χ²/NDF:44.3/38
All: 117.057+/-544.900 χ²/NDF: 71.1/73



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4261.787+/-0.780 χ^2/NDF:1460636.8/19

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4505.911+/-0.827 χ^2/NDF:1168251.6/18

Left: 4376.702+/-0.567 χ^2/NDF: 2675027.4/38

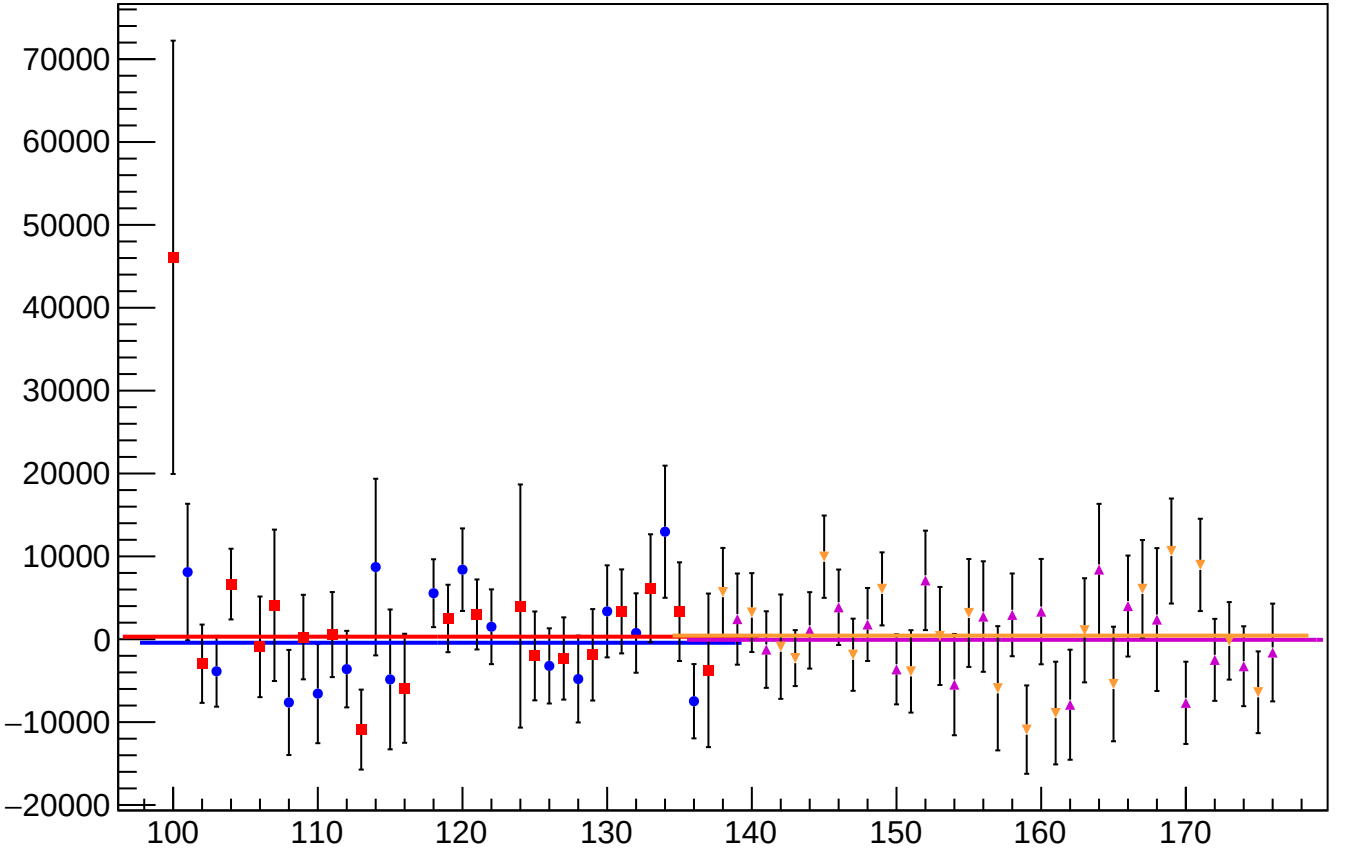
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3610.273+/-0.561 χ^2/NDF:3887325.0/34

Out: 3438.088+/-0.530 χ^2/NDF:4144362.1/38

All: 3519.190+/-0.385 χ^2/NDF: 8081445.5/73

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 437.481+/-1172.274 χ^2/NDF:24.6/19

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: -68.430+/-1233.966 χ^2/NDF:11.2/18

Left: 197.488+/-849.896 χ^2/NDF: 35.8/38

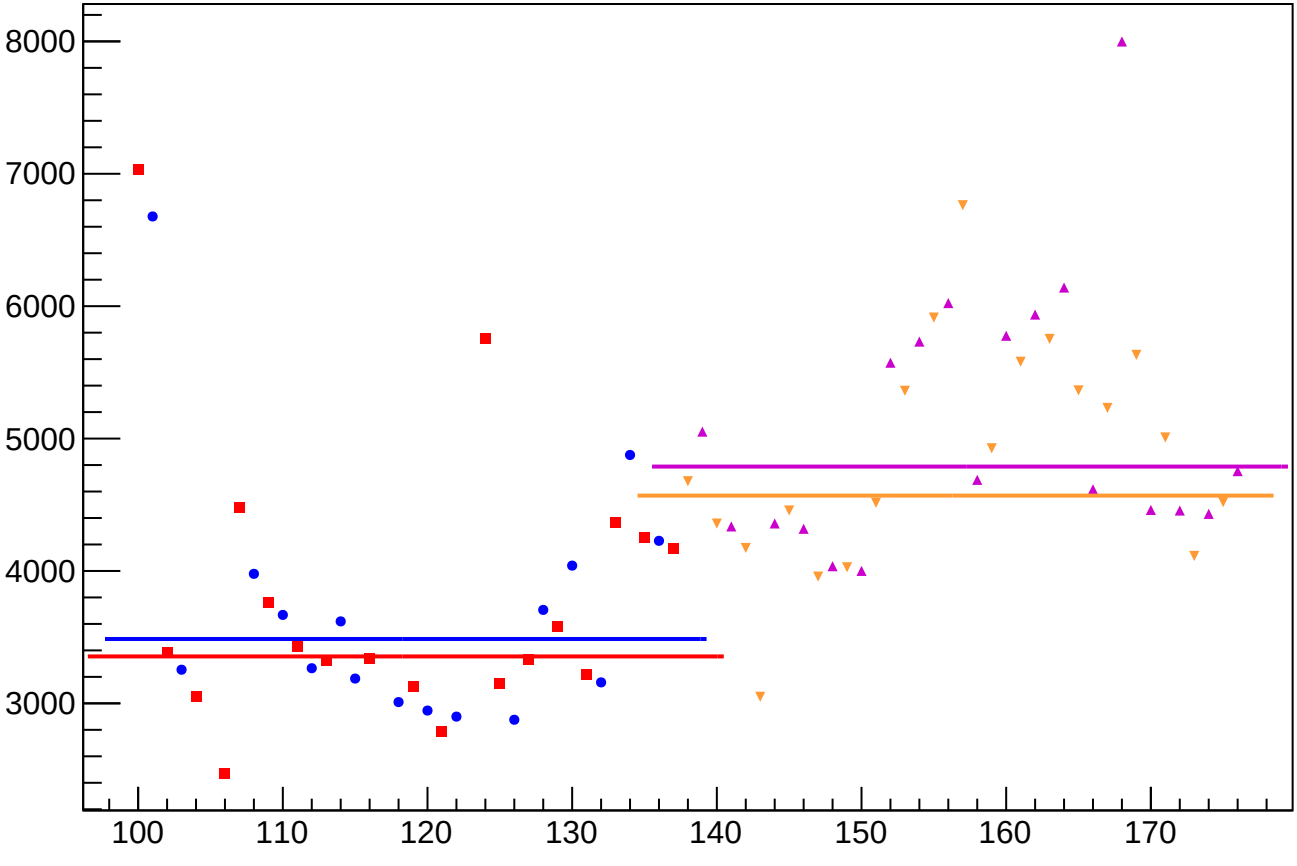
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -232.878+/-903.728 χ^2/NDF:29.1/34

Out: 378.121+/-863.180 χ^2/NDF:39.8/38

All: 86.636+/-624.203 χ^2/NDF: 69.2/73

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4569.268+/-0.829 χ^2/NDF:1053934.4/19

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4788.468+/-0.873 χ^2/NDF:815745.6/18

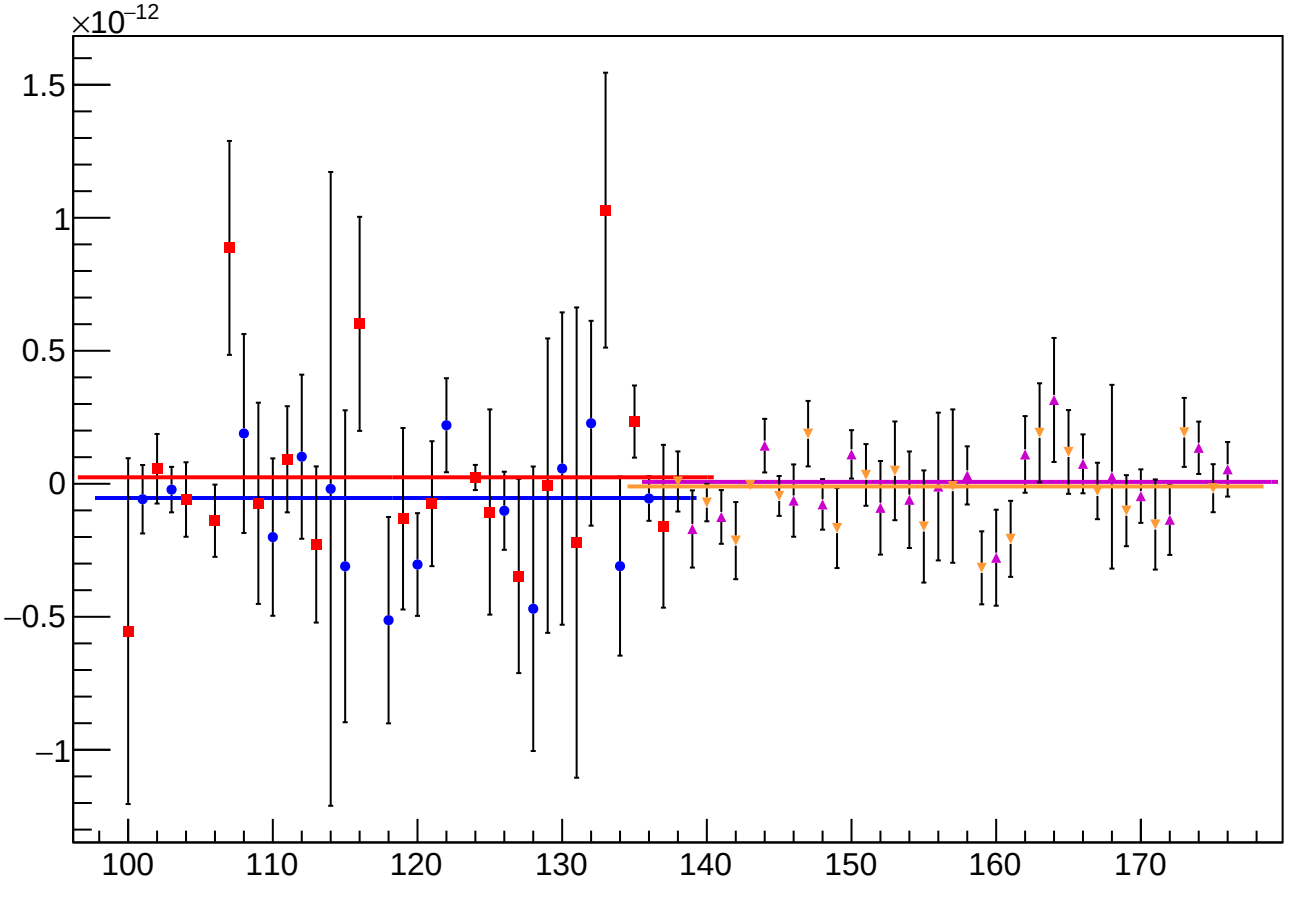
Left: 4673.252+/-0.601 χ^2/NDF: 1902852.4/38

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4184.690+/-0.639 χ^2/NDF:2444328.3/34

Out: 4004.615+/-0.606 χ^2/NDF:2428689.7/38

All: 4089.940+/-0.440 χ^2/NDF: 4914799.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

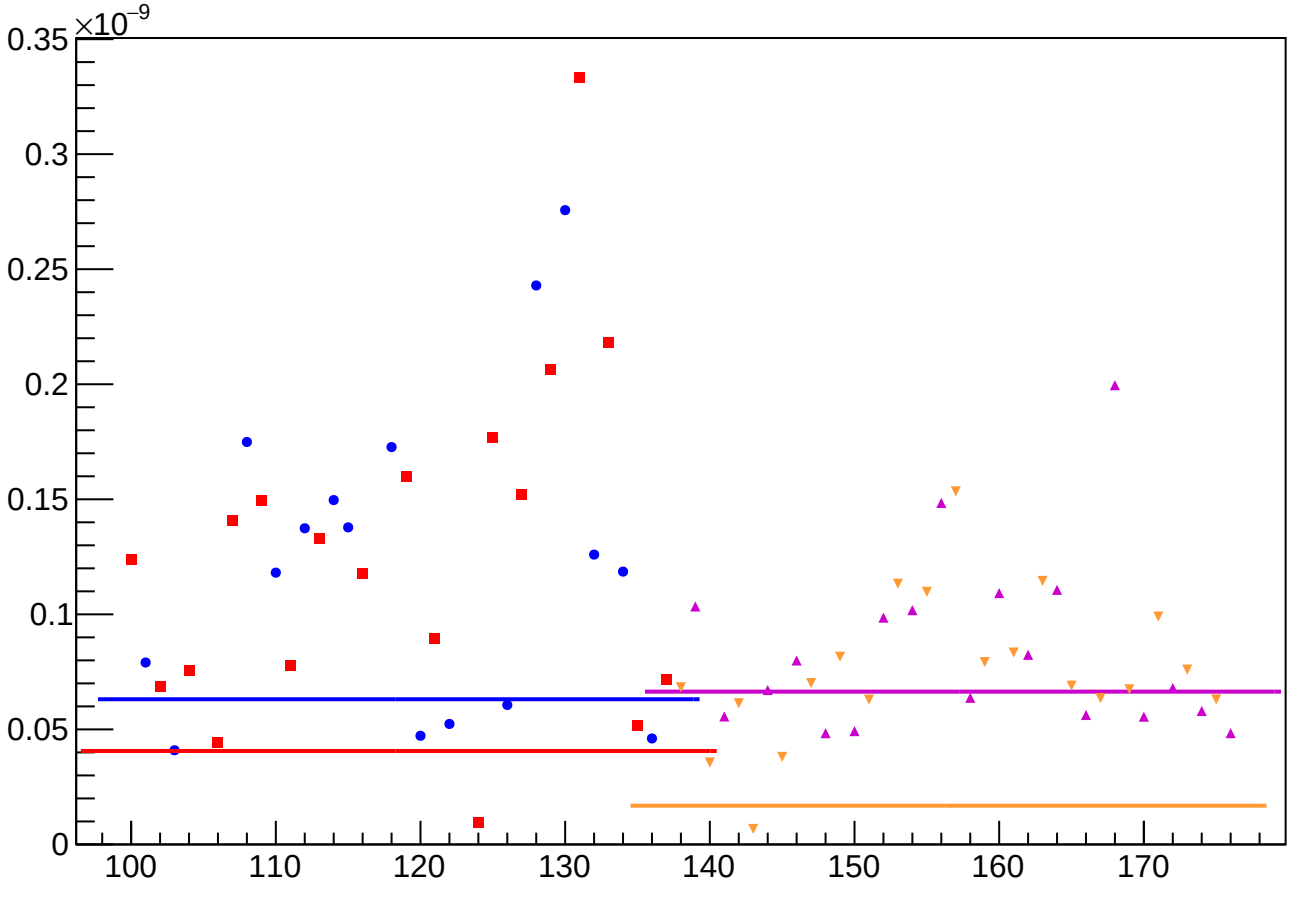
Left: -0.000+/-0.000 χ^2/NDF: 36.6/38

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/34

Out: -0.000+/-0.000 χ^2/NDF:39.2/38

All: -0.000+/-0.000 χ^2/NDF: 65.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8271773.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1258555.5/18

Left: 0.000+/-0.000 χ^2/NDF: 14703259.2/38

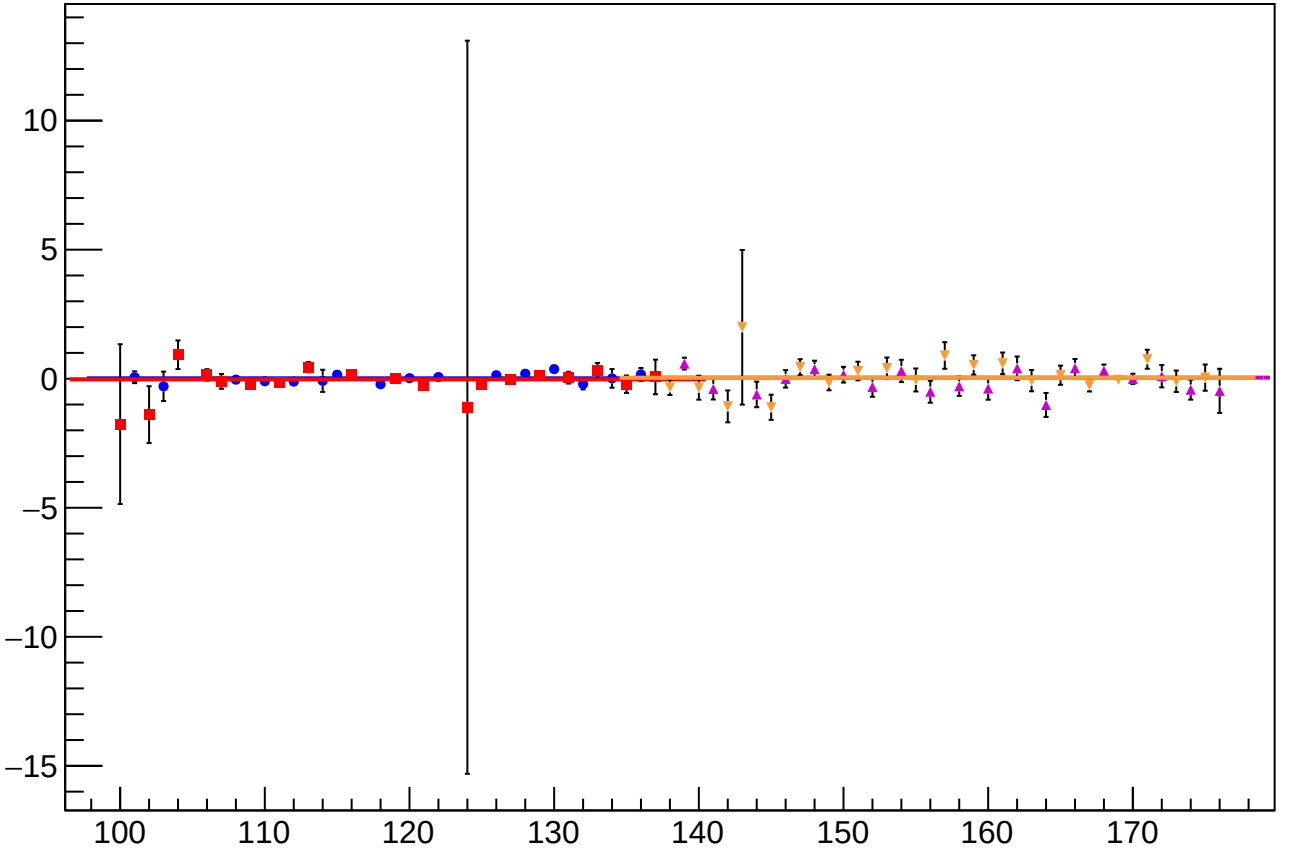
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2698436.6/34

Out: 0.000+/-0.000 χ^2/NDF:12244019.2/38

All: 0.000+/-0.000 χ^2/NDF: 21067273.6/73

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

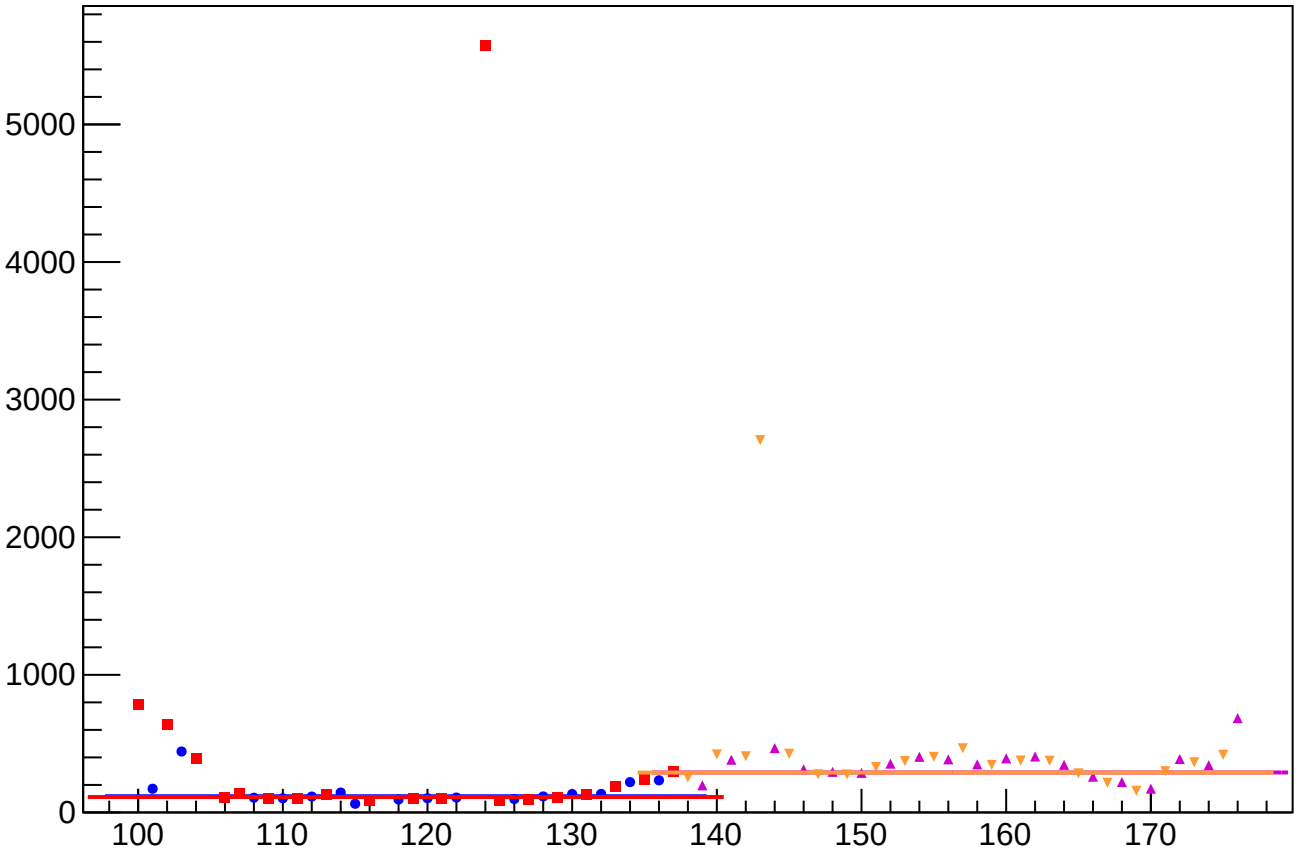
Left: 0.039+/-0.056 χ^2/NDF: 51.2/38

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.006+/-0.029 χ^2/NDF: 85.9/73



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

Left: 290.284+/-0.039 χ^2/NDF: 6687612.3/38

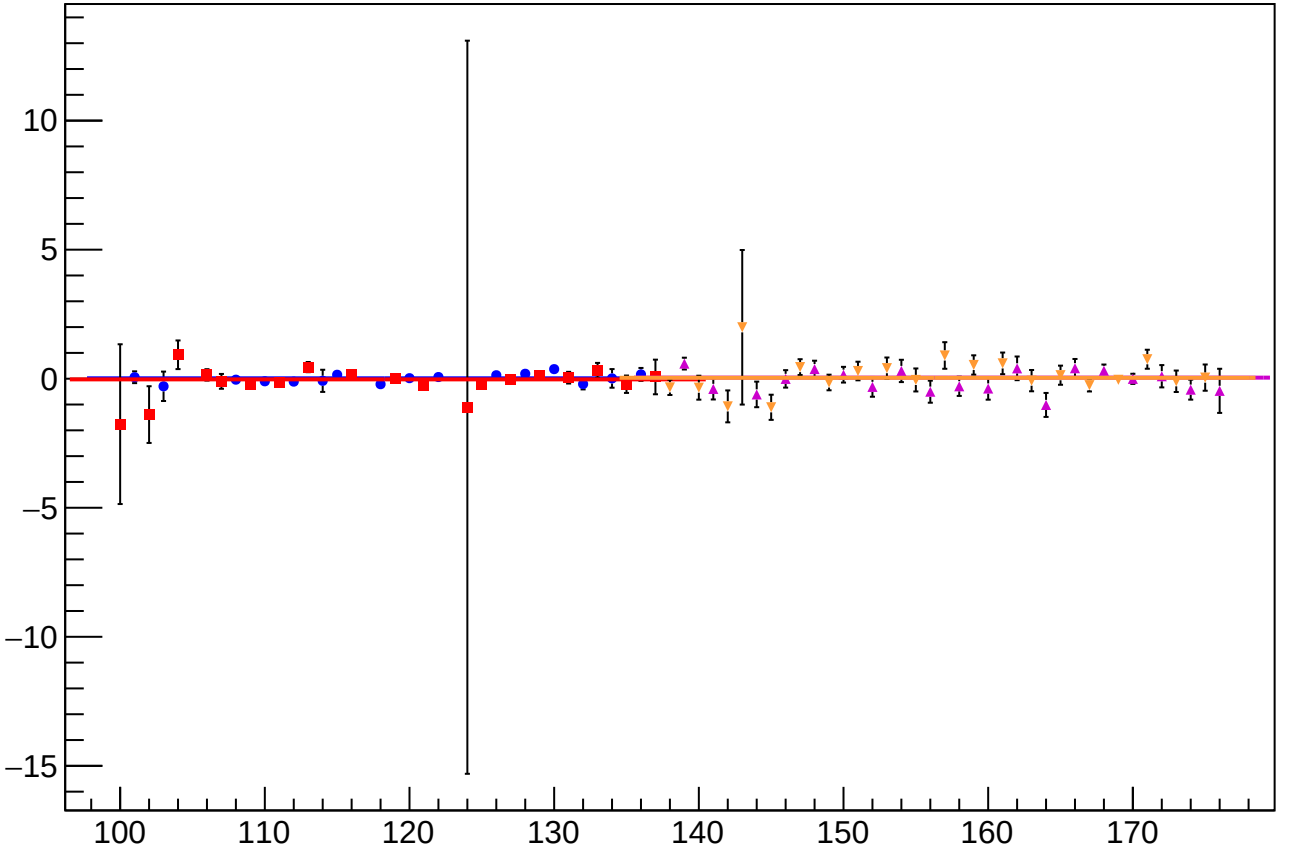
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 164.534+/-0.029 χ^2/NDF:11570221.8/34

Out: 158.029+/-0.029 χ^2/NDF:13537391.8/38

All: 161.238+/-0.020 χ^2/NDF: 25133254.2/73

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: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

Left: 0.039+/-0.056 χ^2/NDF: 51.2/38

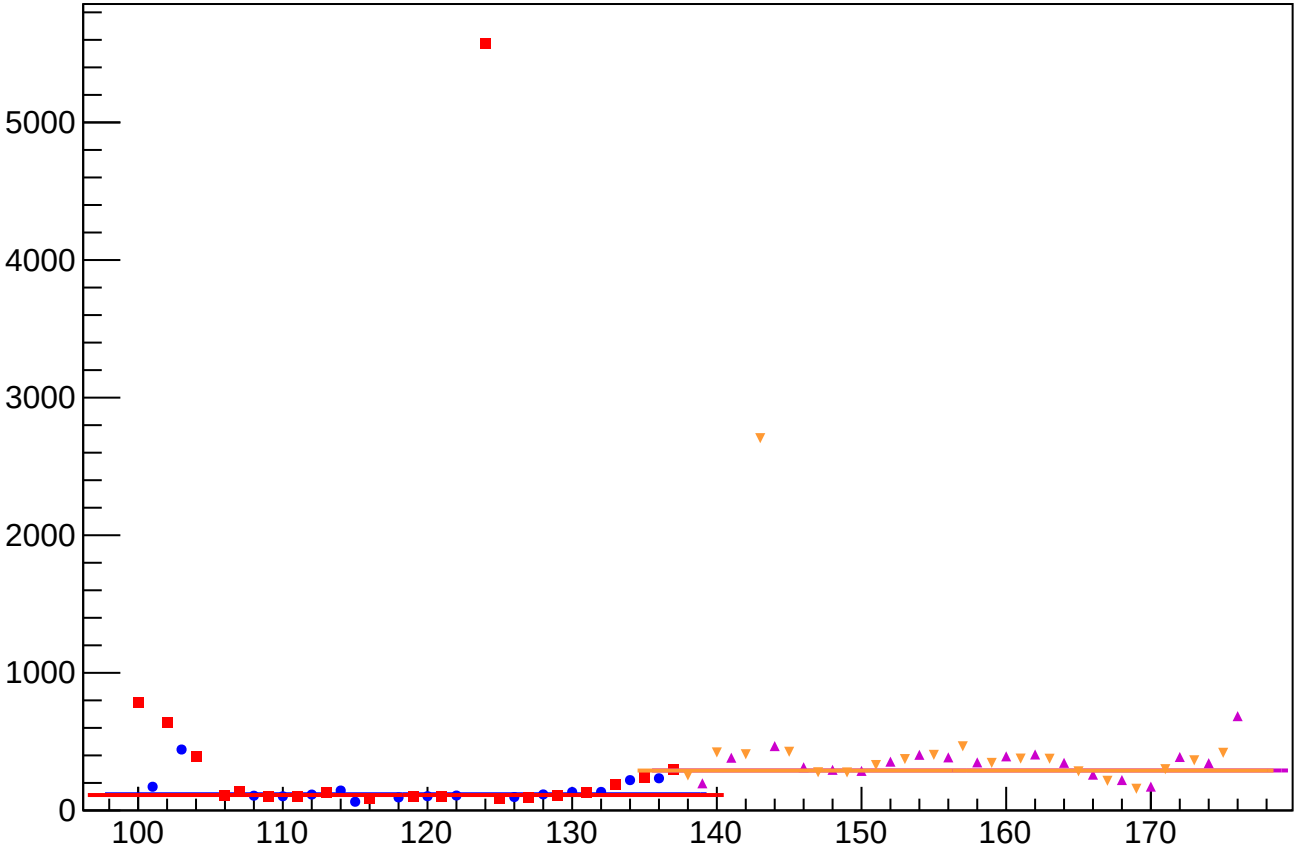
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.006+/-0.029 χ^2/NDF: 85.9/73

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 289.974+/-0.056 χ^2/NDF:3909390.9/19

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

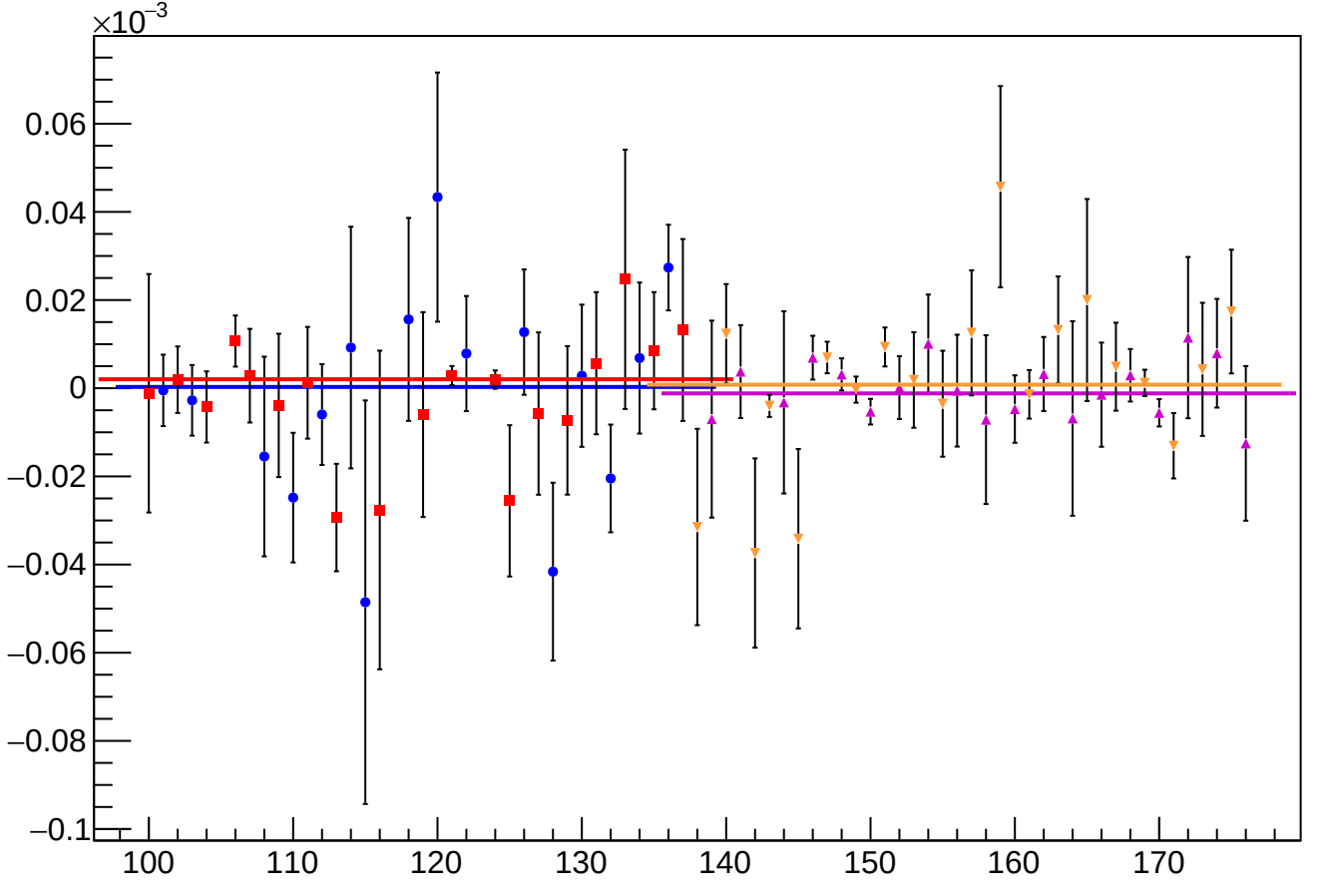
Left: 290.284+/-0.039 χ^2/NDF: 6687612.3/38

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 164.534+/-0.029 χ^2/NDF:11570221.8/34

Out: 158.029+/-0.029 χ^2/NDF:13537391.8/38

All: 161.238+/-0.020 χ^2/NDF: 25133254.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/18

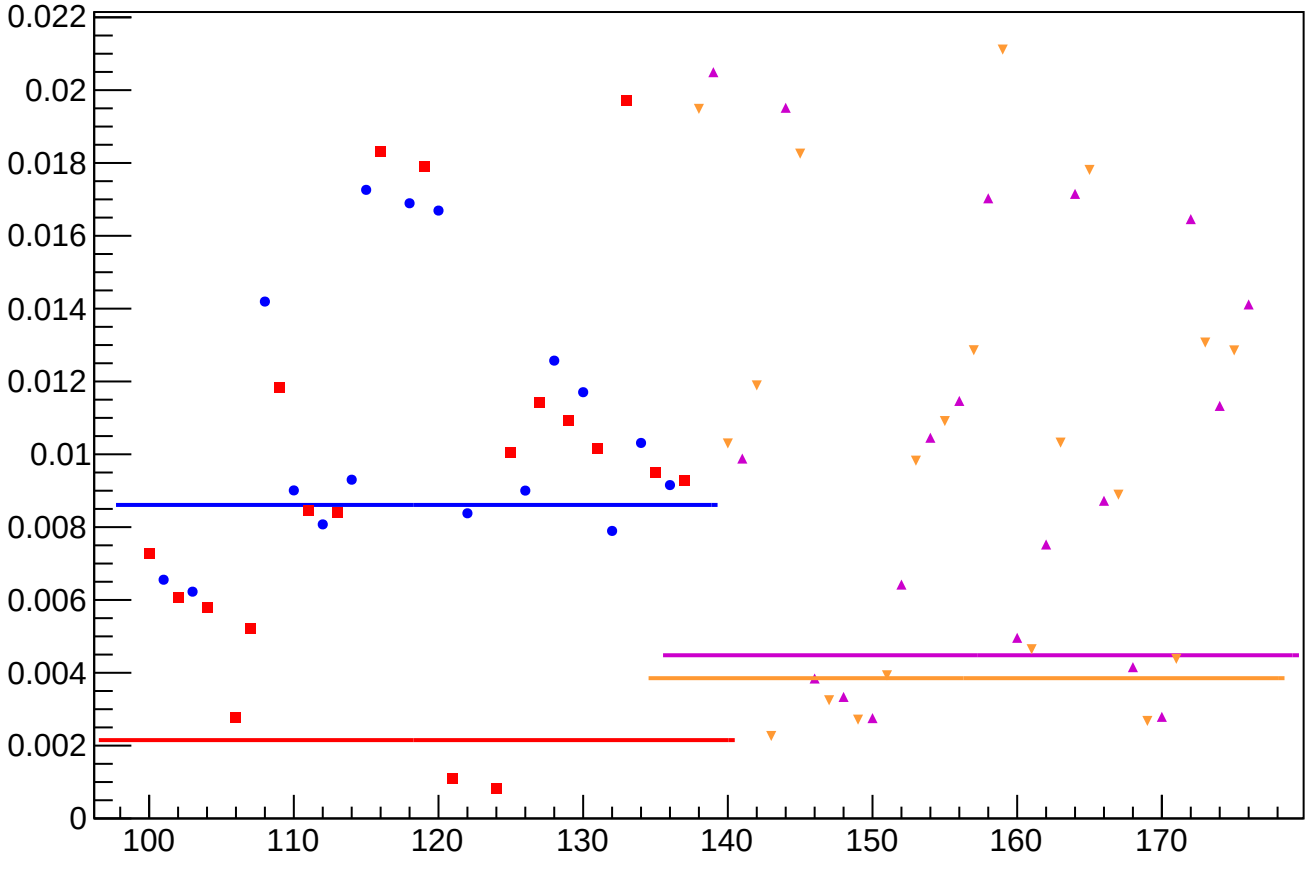
Left: -0.000+/-0.000 χ^2/NDF: 44.6/38

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:36.3/34

Out: 0.000+/-0.000 χ^2/NDF:46.8/38

All: 0.000+/-0.000 χ^2/NDF: 85.1/73



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:11072566.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:9596290.7/18

Left: 0.004+/-0.000 χ^2/NDF: 20881829.7/38

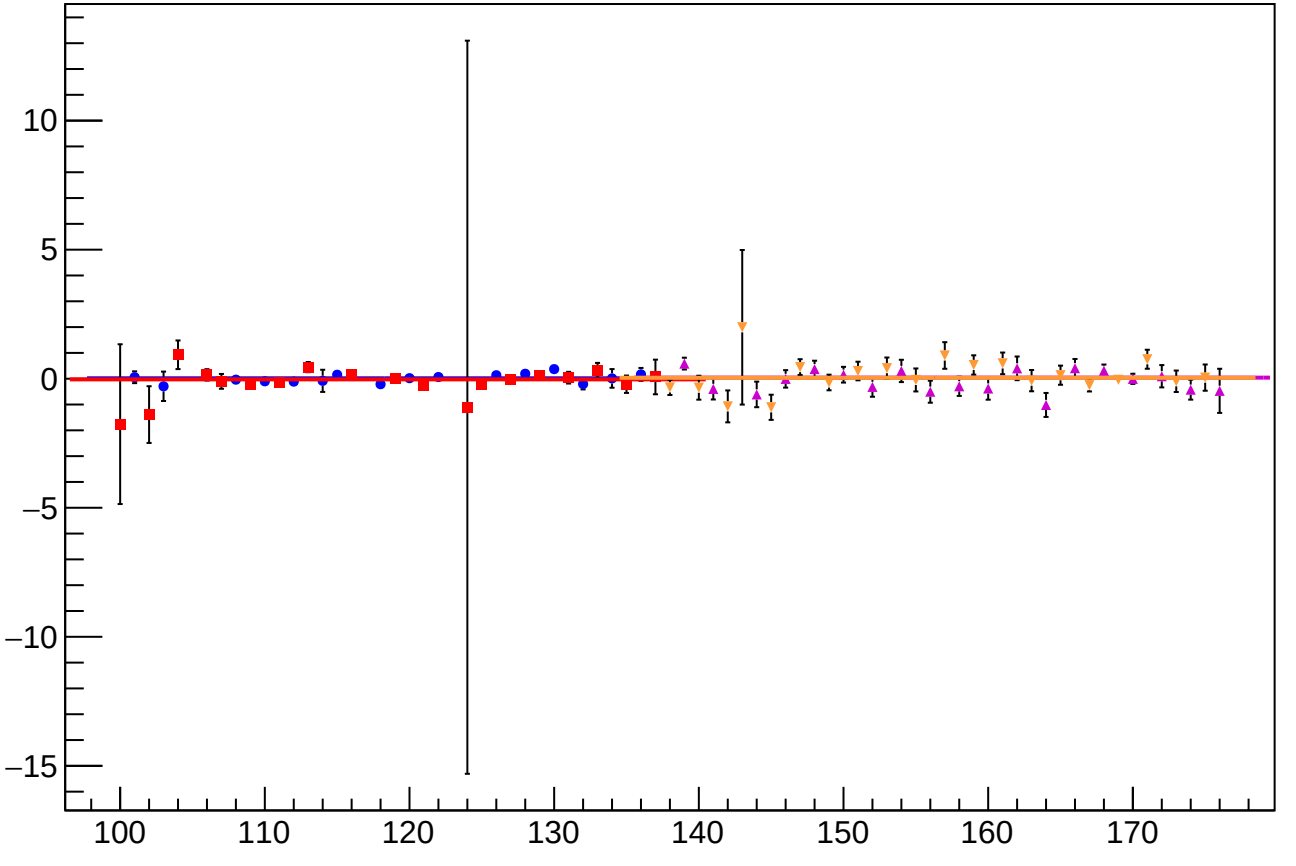
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:13231318.5/34

Out: 0.003+/-0.000 χ^2/NDF:21872521.1/38

All: 0.004+/-0.000 χ^2/NDF: 38387320.5/73

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: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

Left: 0.039+/-0.056 χ^2/NDF: 51.2/38

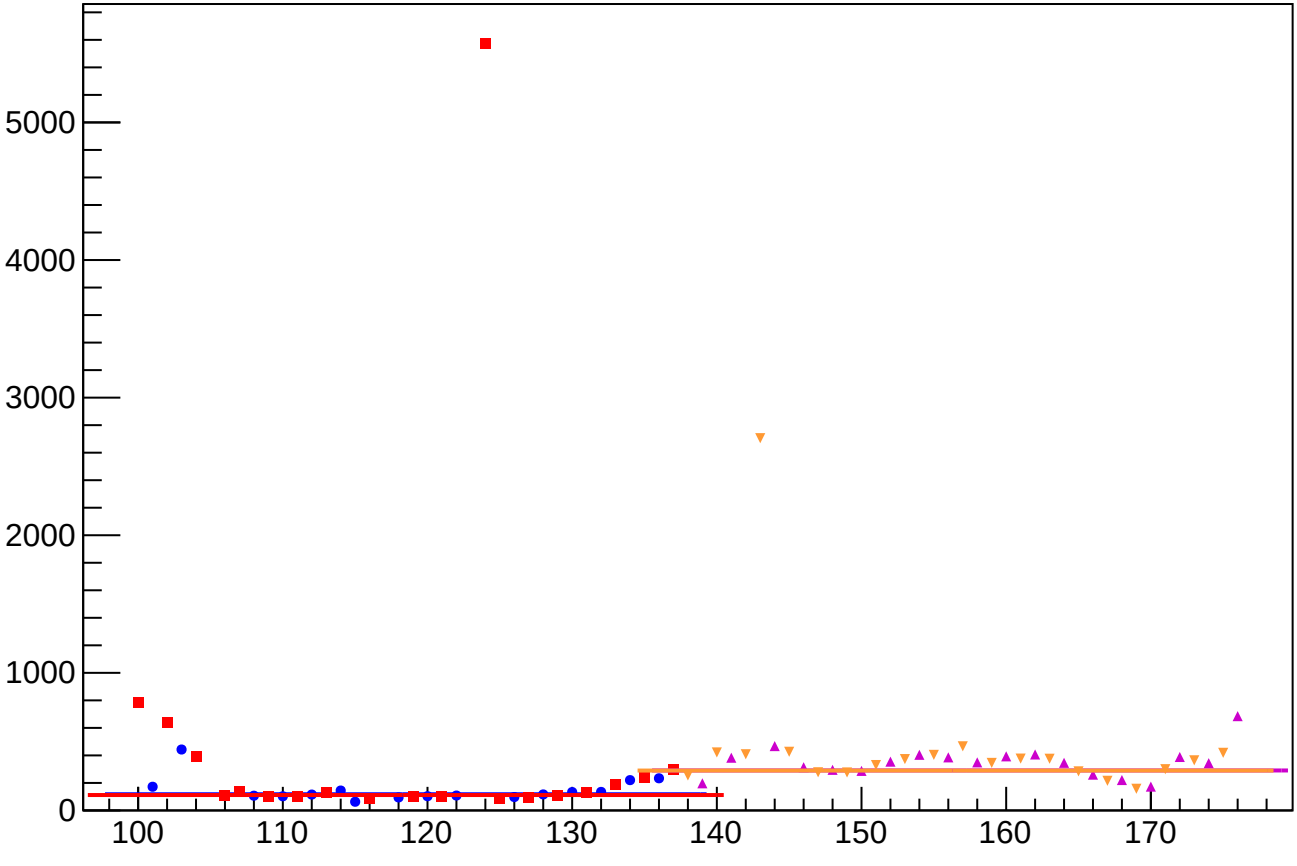
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.006+/-0.029 χ^2/NDF: 85.9/73

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: 289.976+/-0.056 χ^2/NDF:3909442.7/19

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

Left: 290.287+/-0.039 χ^2/NDF: 6687642.1/38

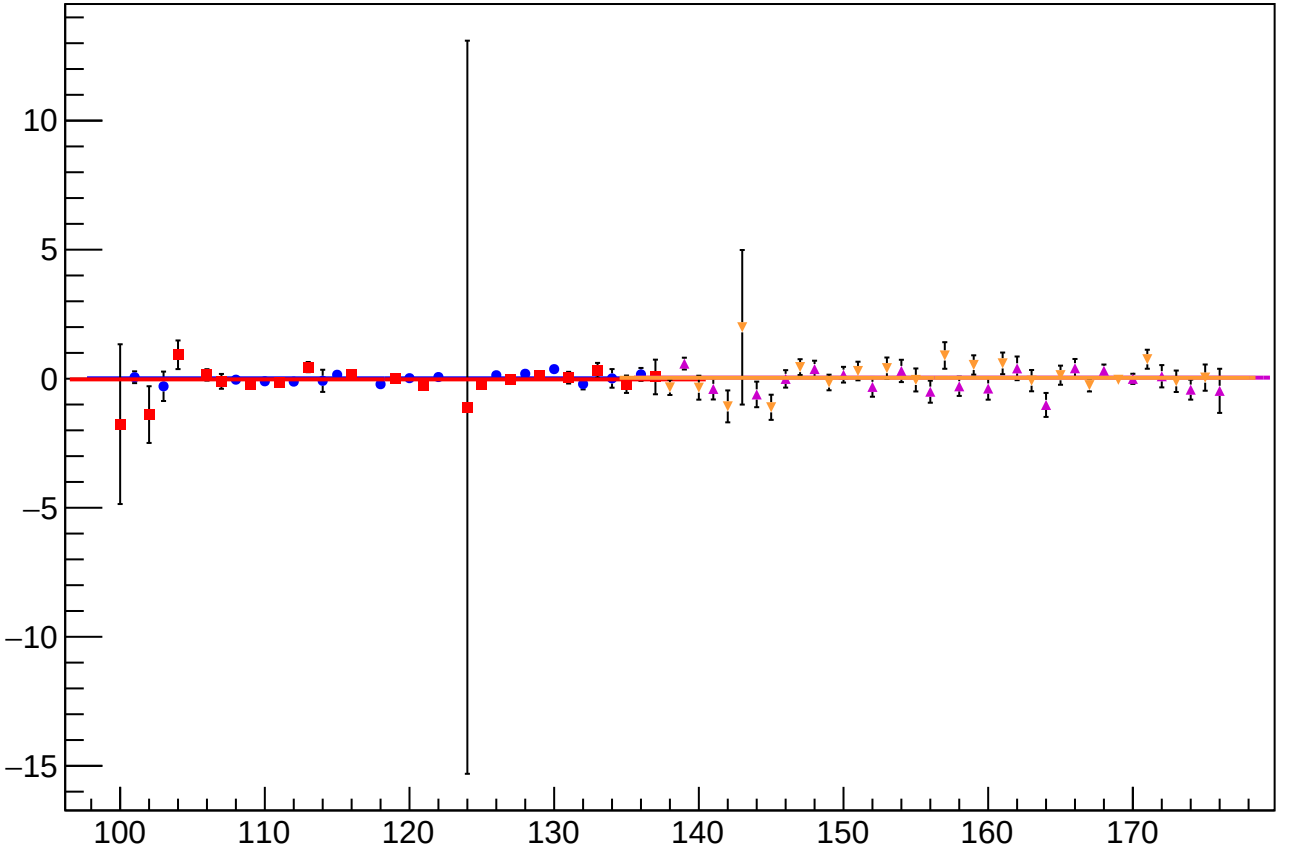
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 164.534+/-0.029 χ^2/NDF:11570296.5/34

Out: 158.031+/-0.029 χ^2/NDF:13537261.3/38

All: 161.239+/-0.020 χ^2/NDF: 25133183.8/73

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: 0.036+/-0.079 χ^2/NDF:26.9/19

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

Left: 0.039+/-0.056 χ^2/NDF: 51.2/38

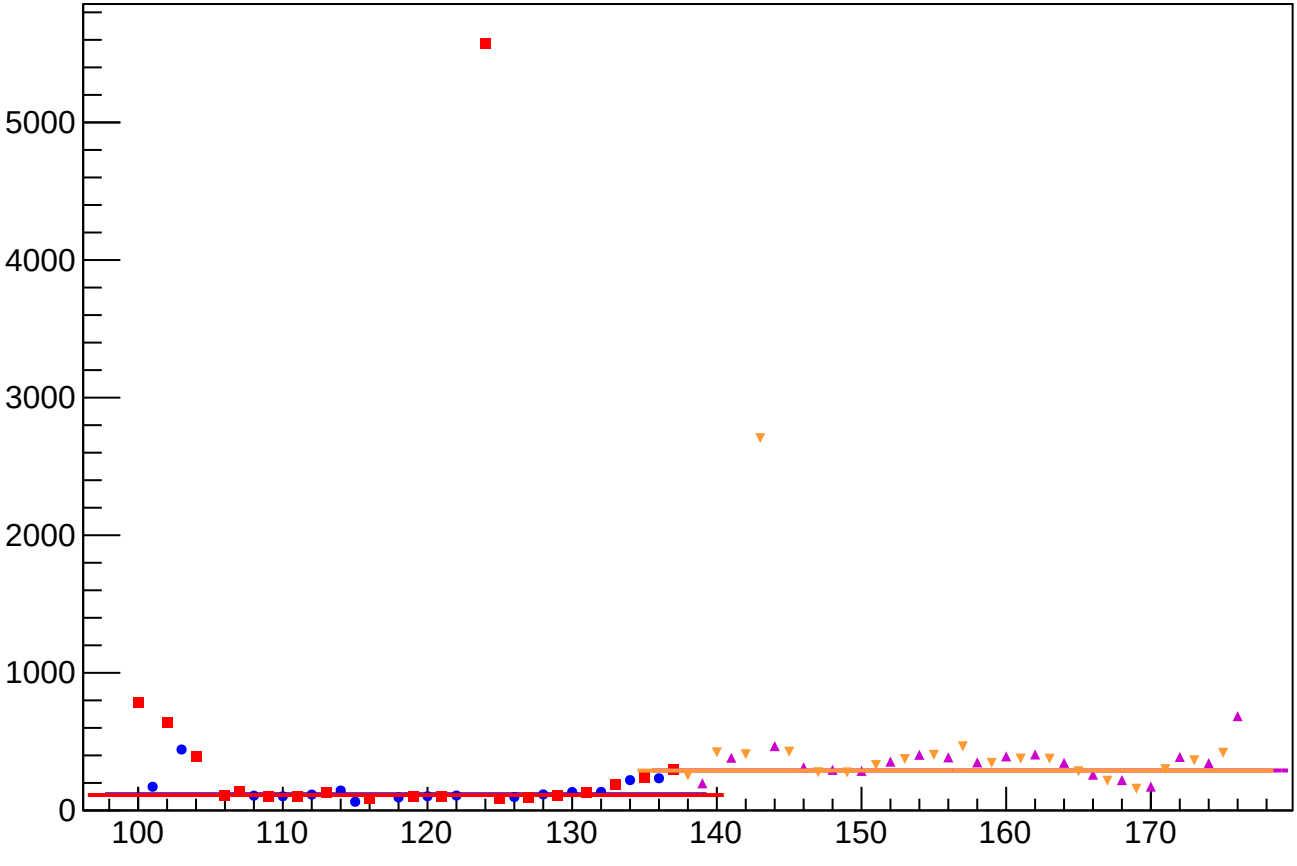
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.010+/-0.040 χ^2/NDF:49.5/38

All: 0.006+/-0.029 χ^2/NDF: 85.9/73

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: 289.976+/-0.056 χ^2/NDF:3909442.7/19

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

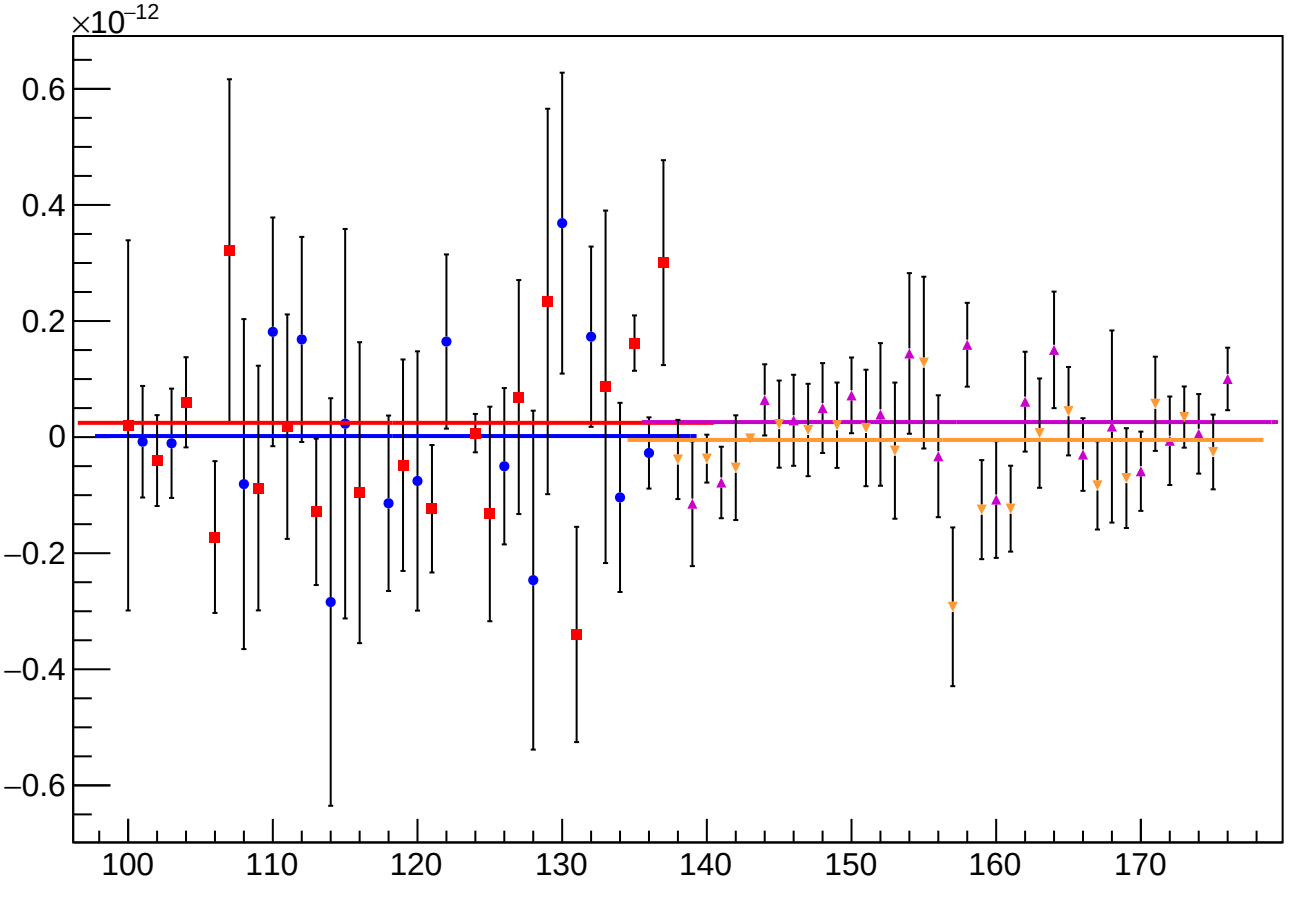
Left: 290.287+/-0.039 χ^2/NDF: 6687642.1/38

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 164.534+/-0.029 χ^2/NDF:11570296.5/34

Out: 158.031+/-0.029 χ^2/NDF:13537261.3/38

All: 161.239+/-0.020 χ^2/NDF: 25133183.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/18

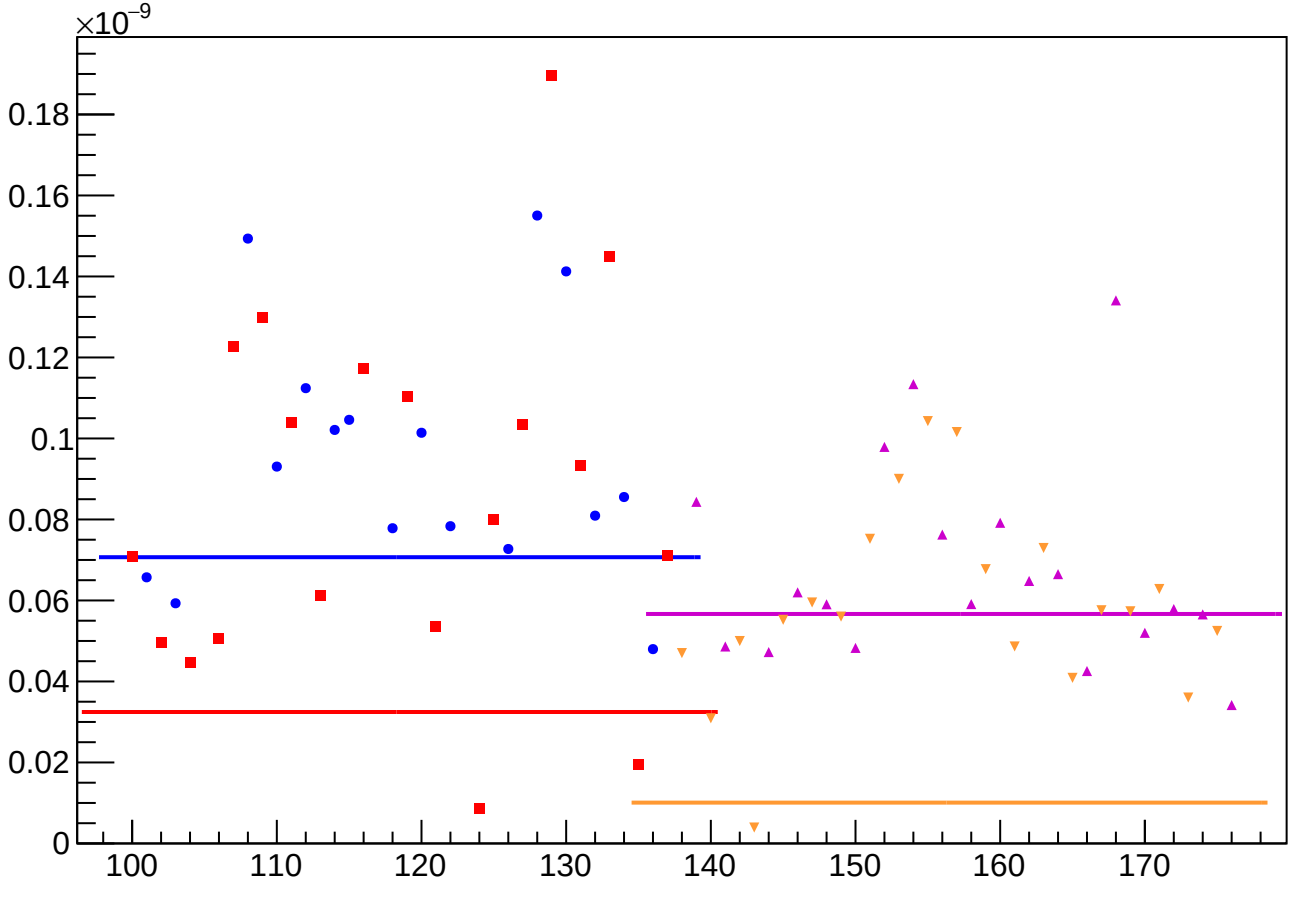
Left: -0.000+/-0.000 χ^2/NDF: 35.4/38

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:27.5/34

Out: -0.000+/-0.000 χ^2/NDF:40.7/38

All: 0.000+/-0.000 χ^2/NDF: 70.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15221473.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1926865.0/18

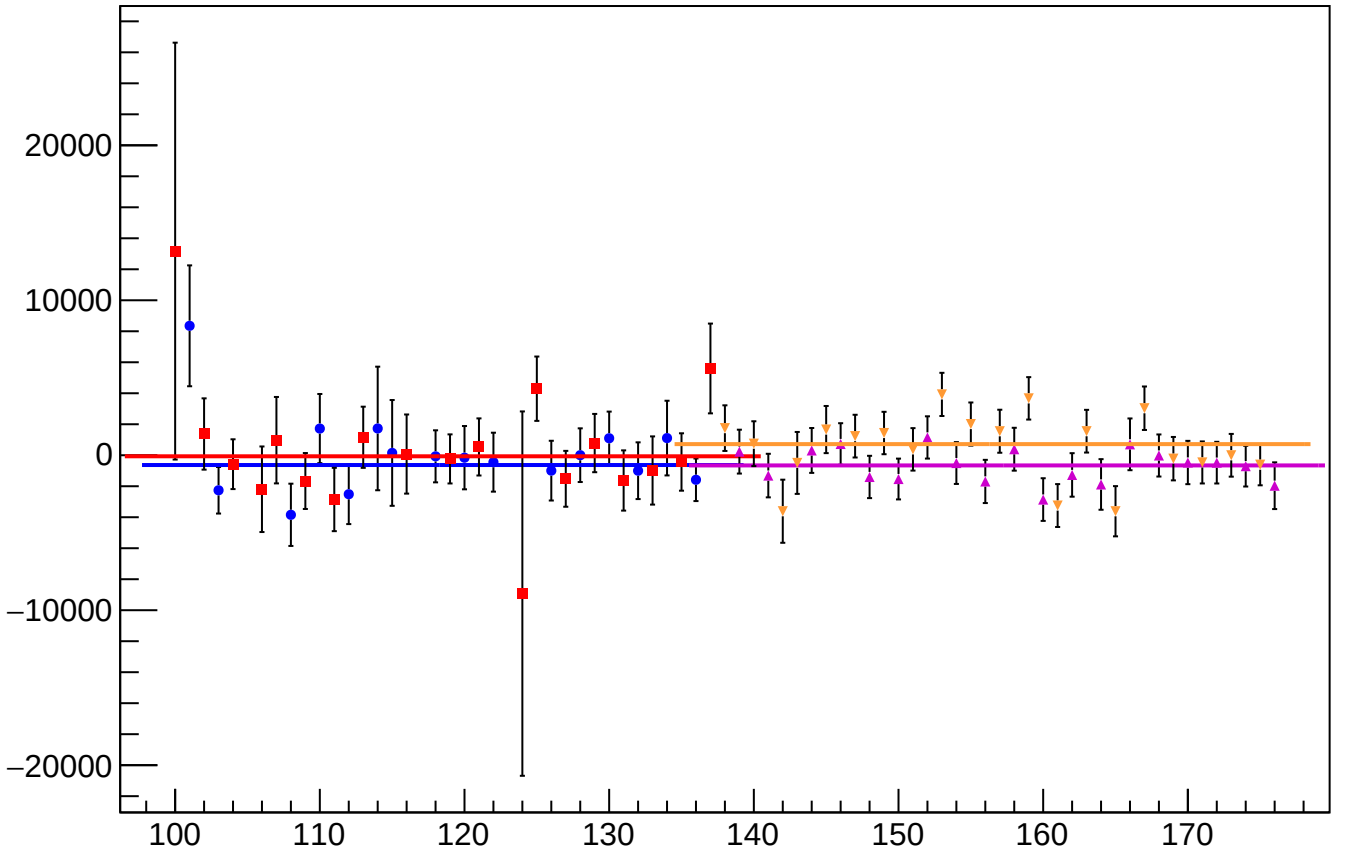
Left: 0.000+/-0.000 χ^2/NDF: 29353396.6/38

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:3211912.1/34

Out: 0.000+/-0.000 χ^2/NDF:21650171.8/38

All: 0.000+/-0.000 χ^2/NDF: 40891459.4/73



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

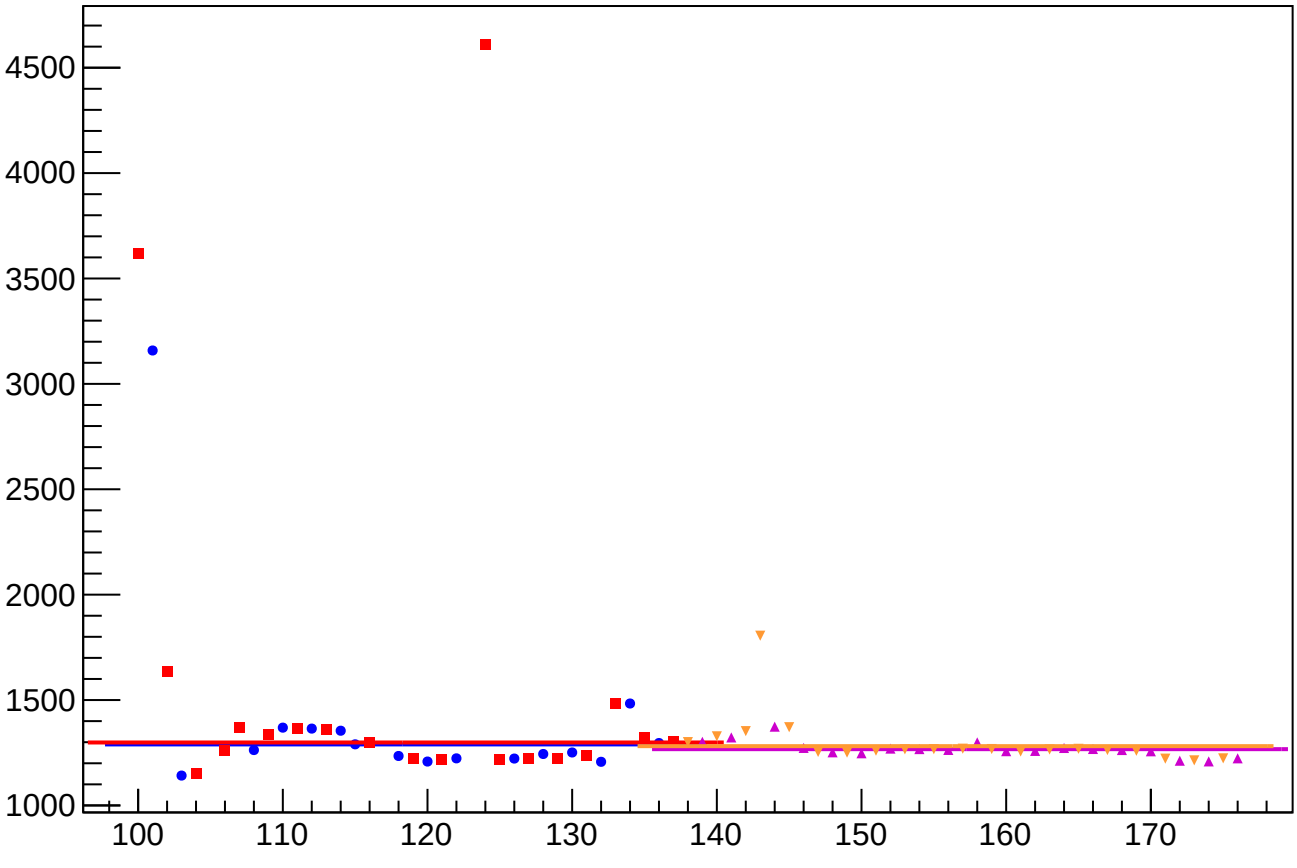
Left: 28.628+/-227.662 χ^2/NDF: 58.2/38

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 478.985+/-268.960 χ^2/NDF:56.0/38

All: -85.773+/-190.055 χ^2/NDF: 89.5/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

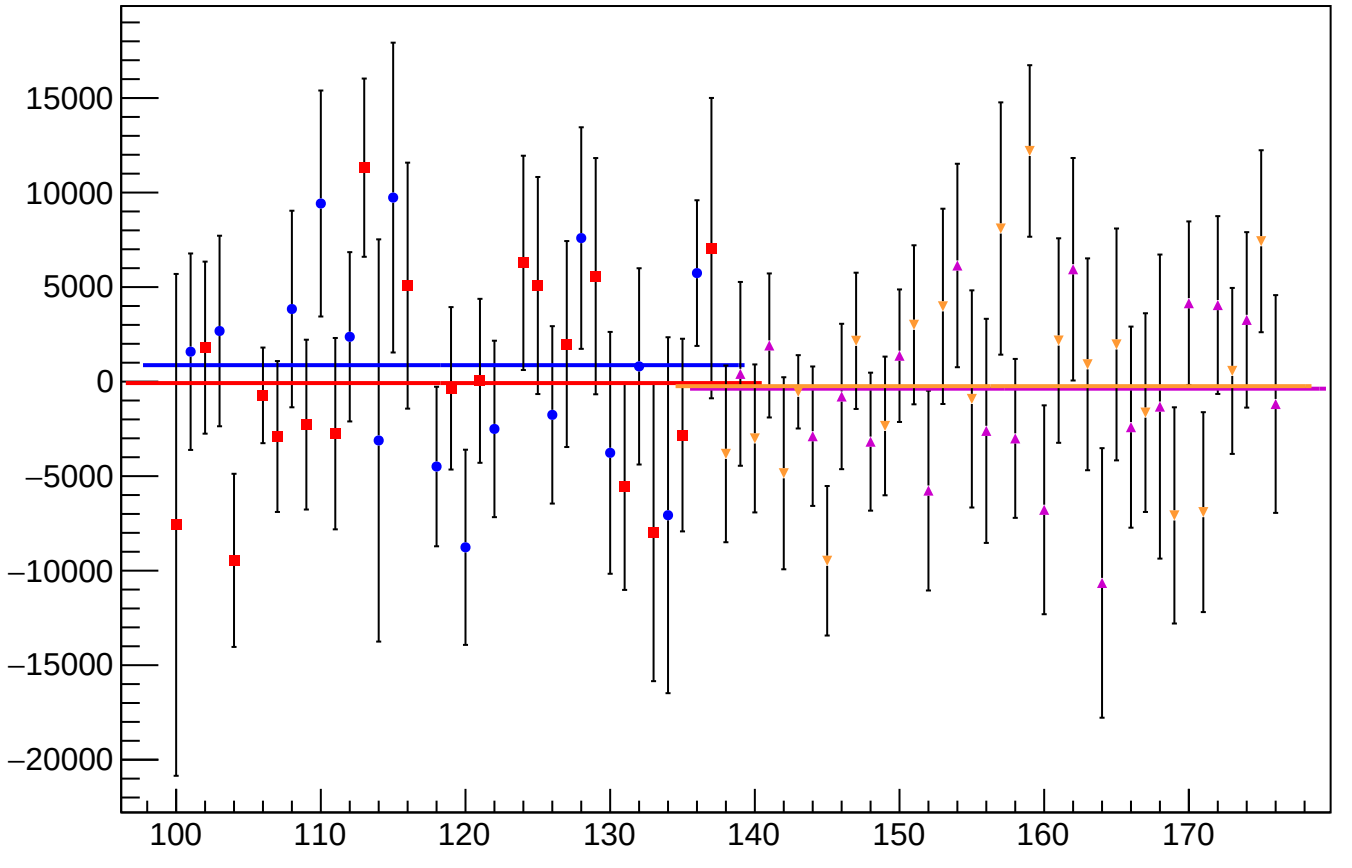
Left: 1274.093+/-0.161 χ^2/NDF: 194981.3/38

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -374.536+/-1071.133 χ^2/NDF:12.1/18

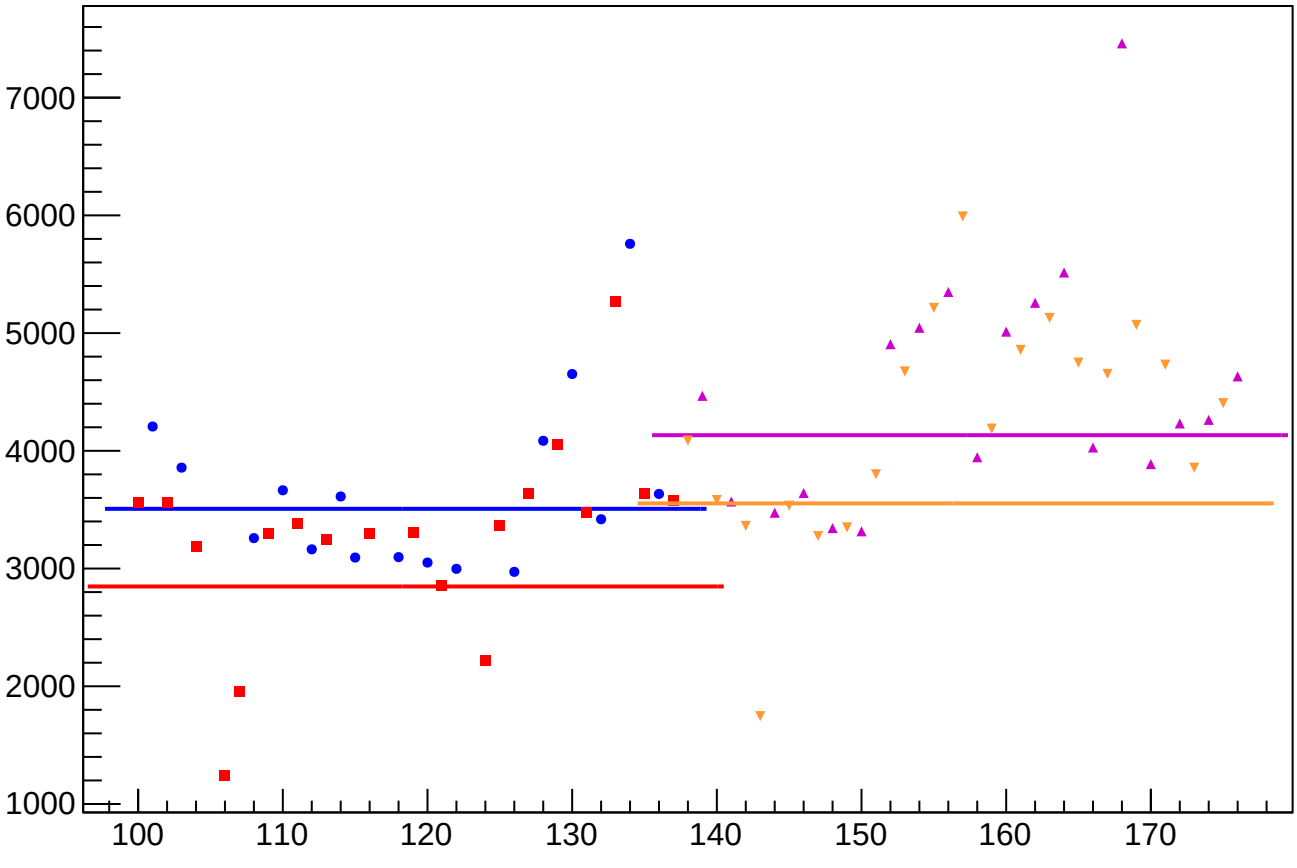
Left: -299.100+/-709.227 χ^2/NDF: 36.6/38

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 117.330+/-833.058 χ^2/NDF:26.6/34

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -48.035+/-544.939 χ^2/NDF: 69.7/73



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

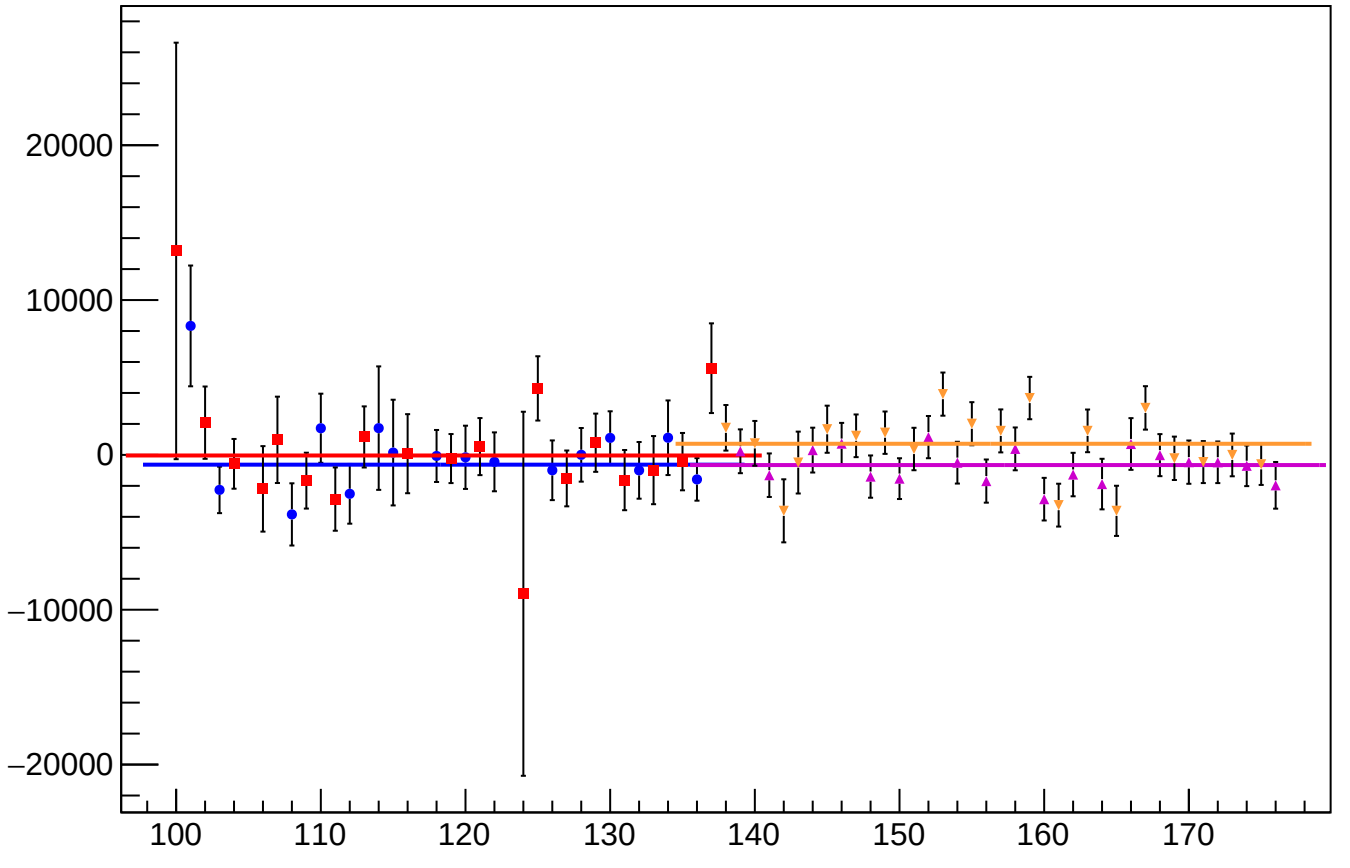
Left: 3807.432+/-0.501 χ^2/NDF: 4543211.7/38

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

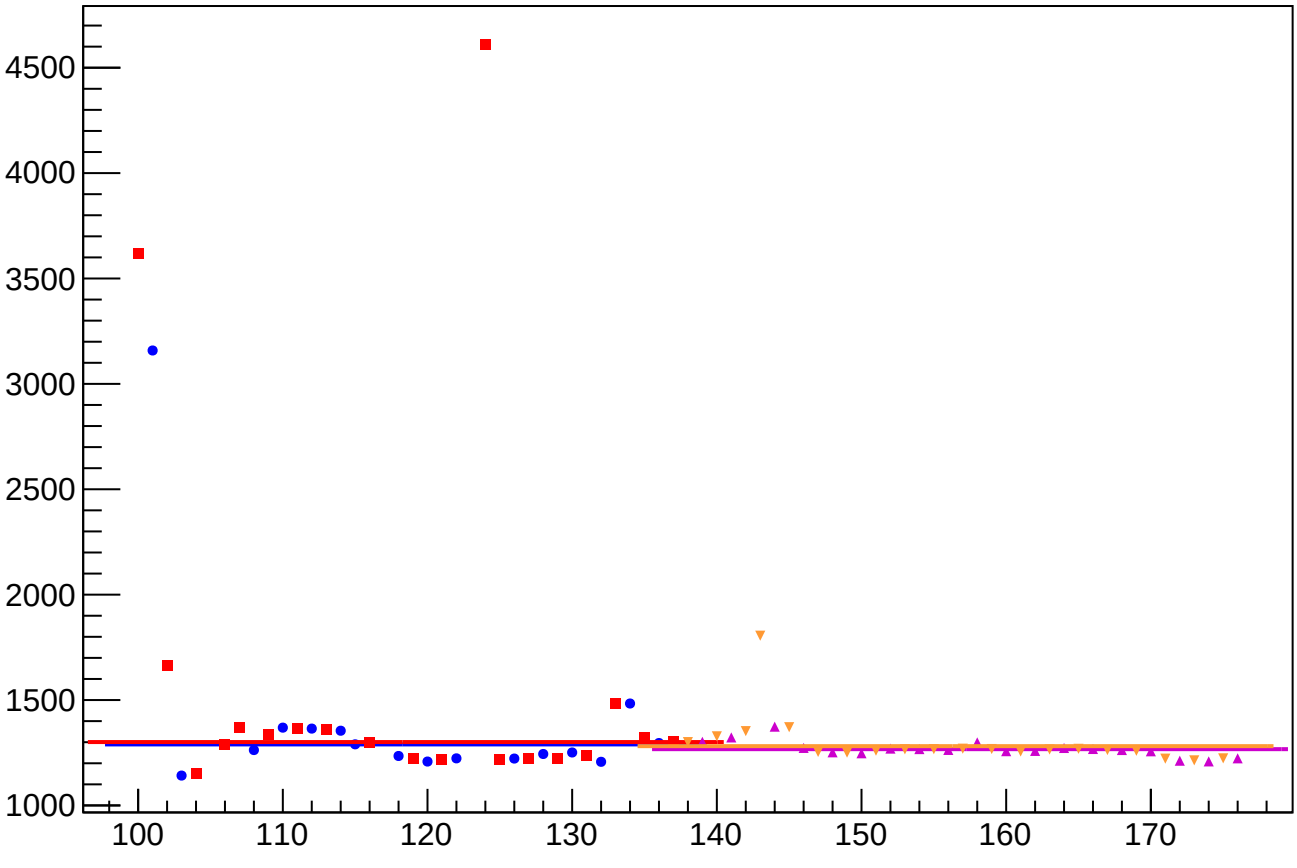
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

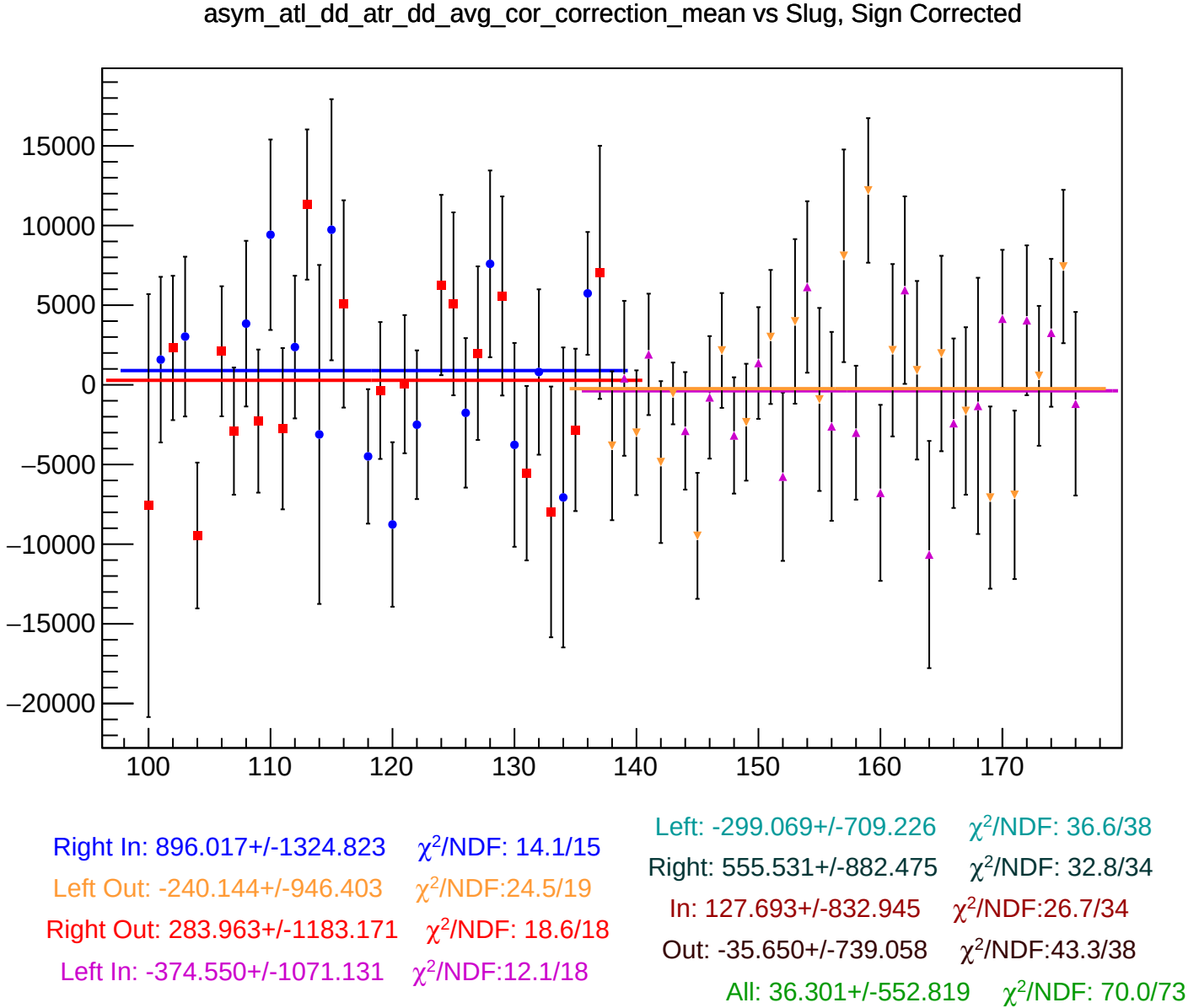
Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

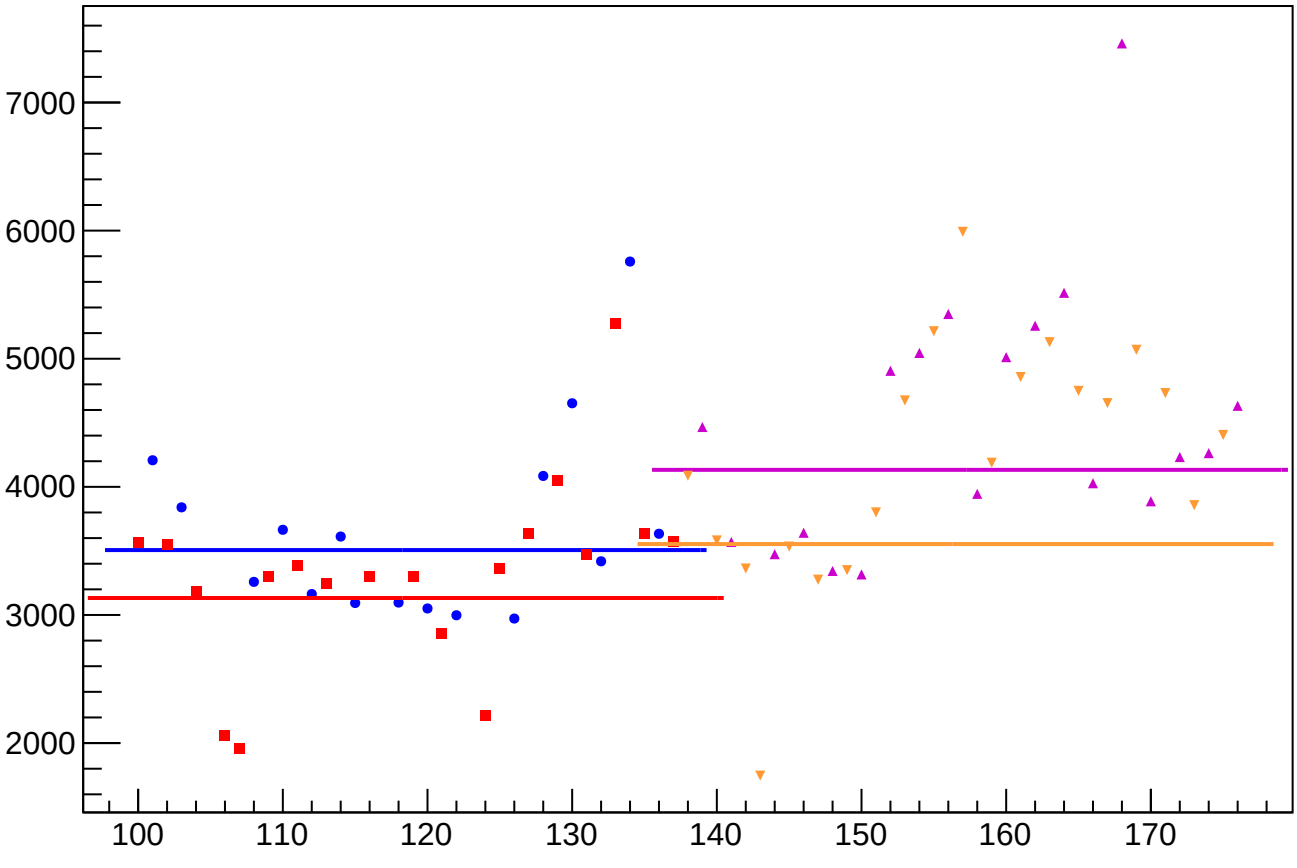
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73


asym_atl_dd_atr_dd_avg_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: -240.144+/-946.403 χ²/NDF:24.5/19
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -374.550+/-1071.131 χ²/NDF:12.1/18
Left: -299.069+/-709.226 χ²/NDF: 36.6/38
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 127.693+/-832.945 χ²/NDF:26.7/34
Out: -35.650+/-739.058 χ²/NDF:43.3/38
All: 36.301+/-552.819 χ²/NDF: 70.0/73



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

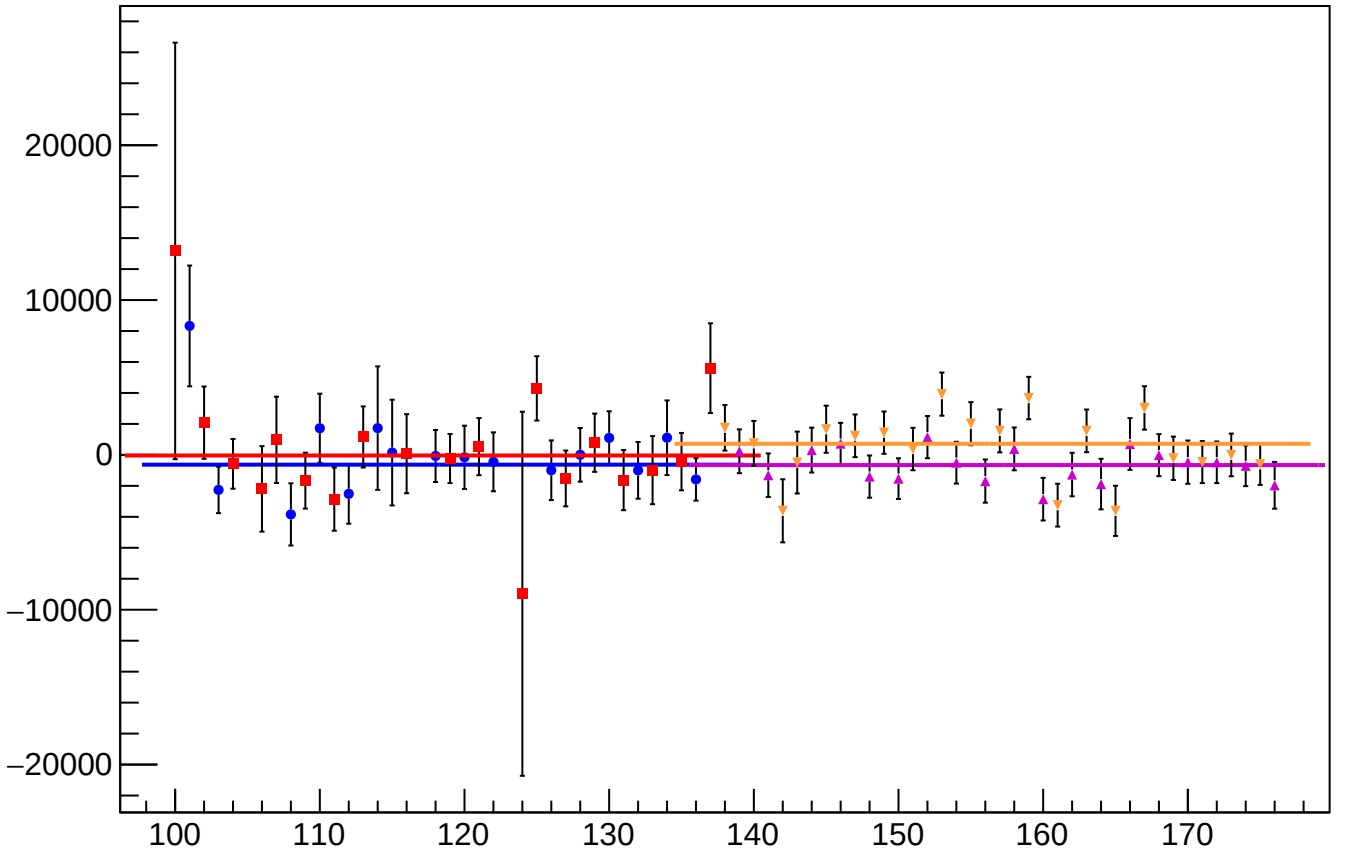
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

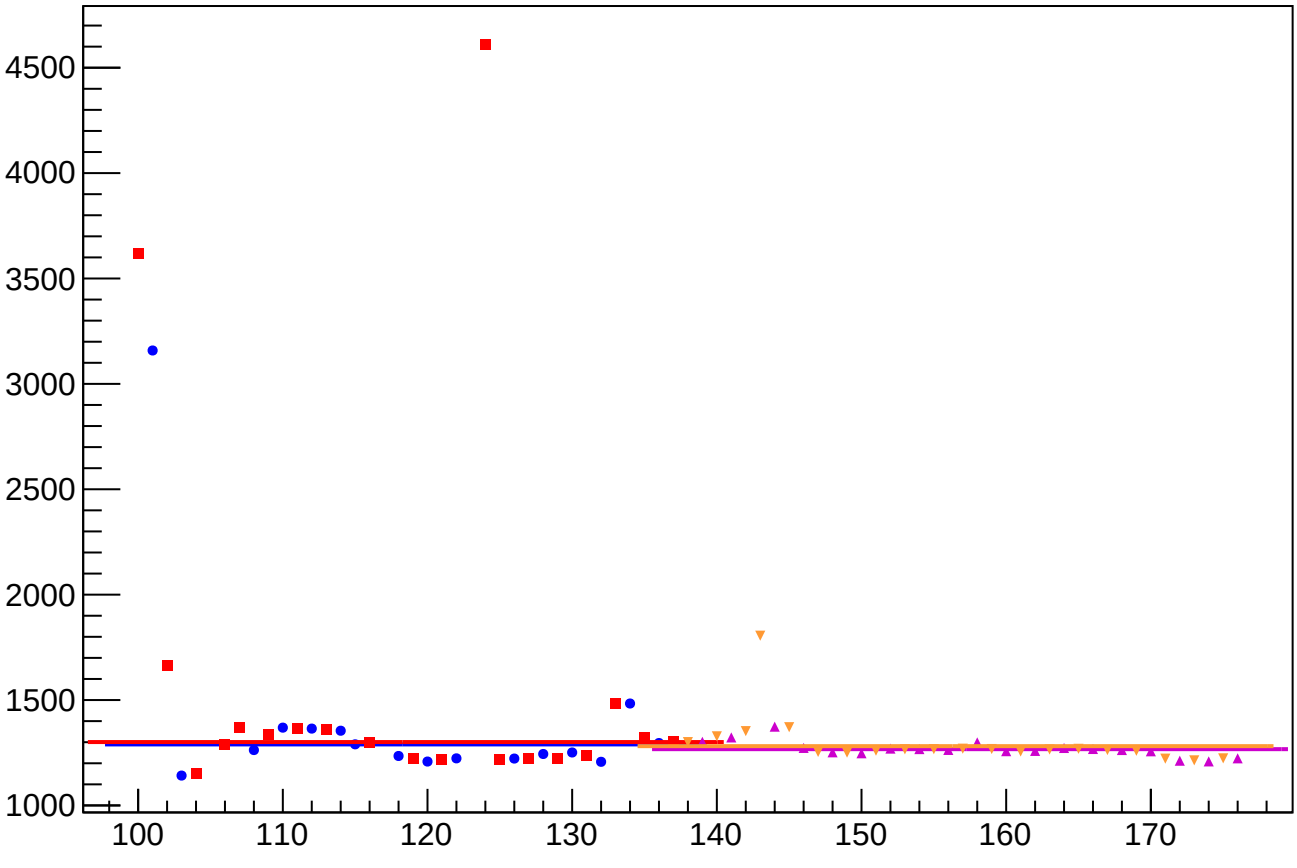
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

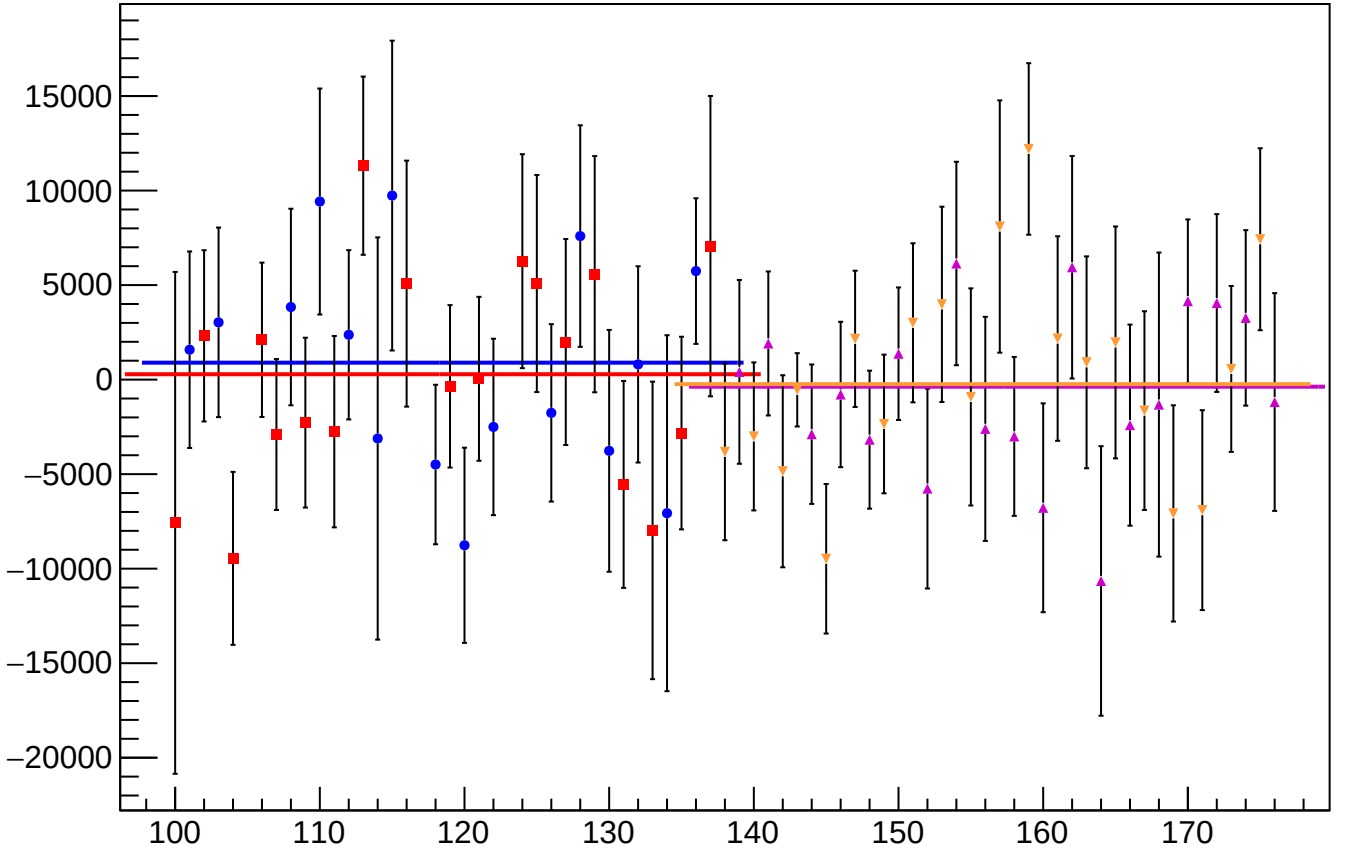
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

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: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

Left: -299.069+/-709.226 χ^2/NDF: 36.6/38

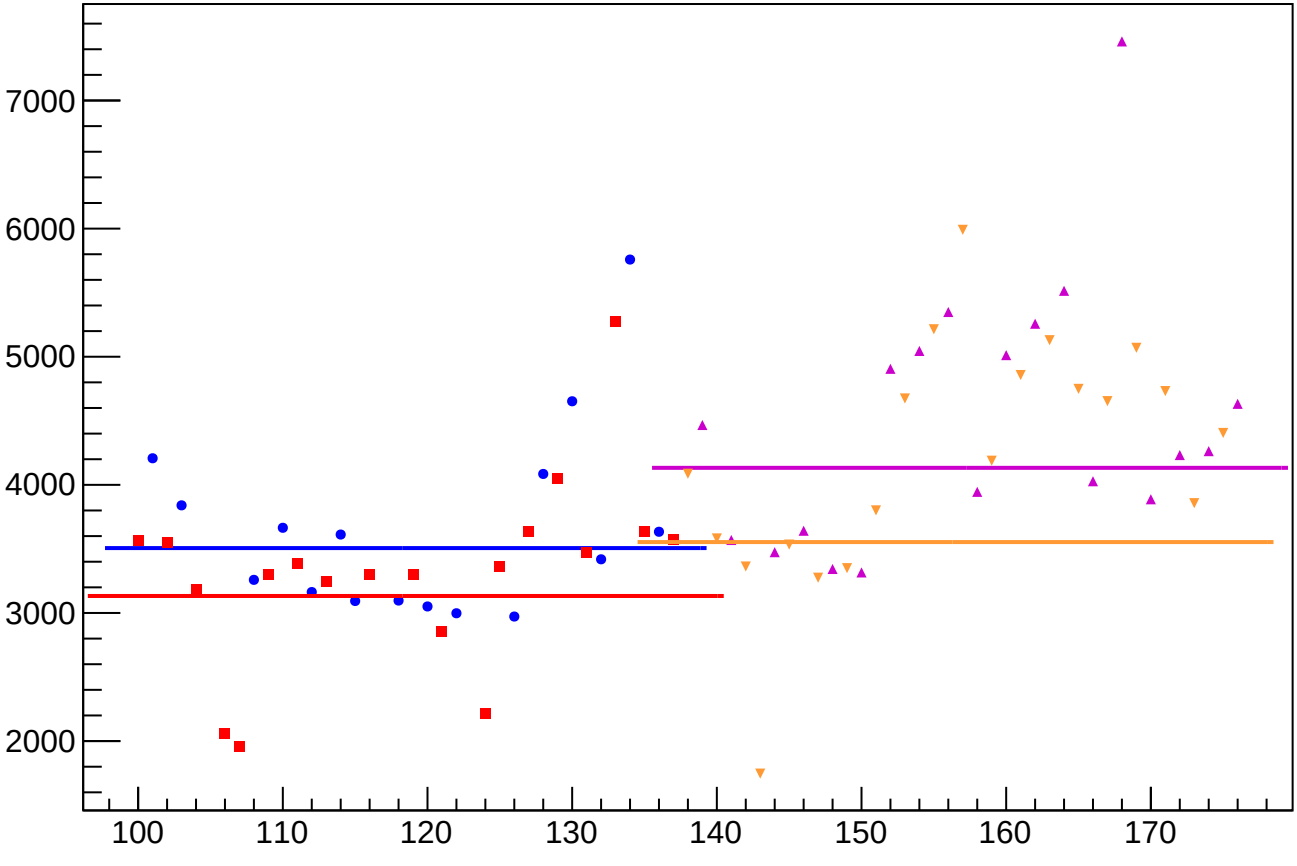
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 36.301+/-552.819 χ^2/NDF: 70.0/73

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

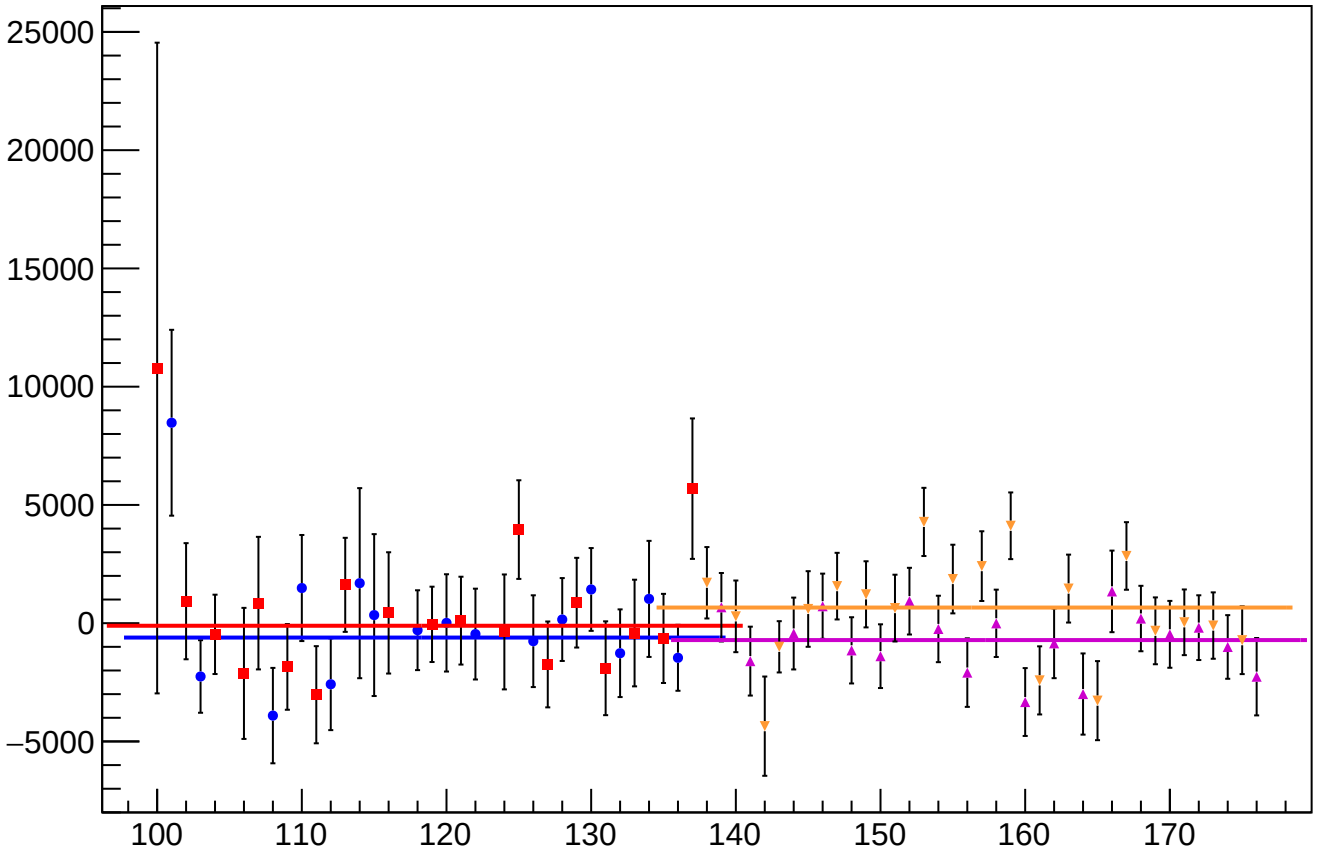
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

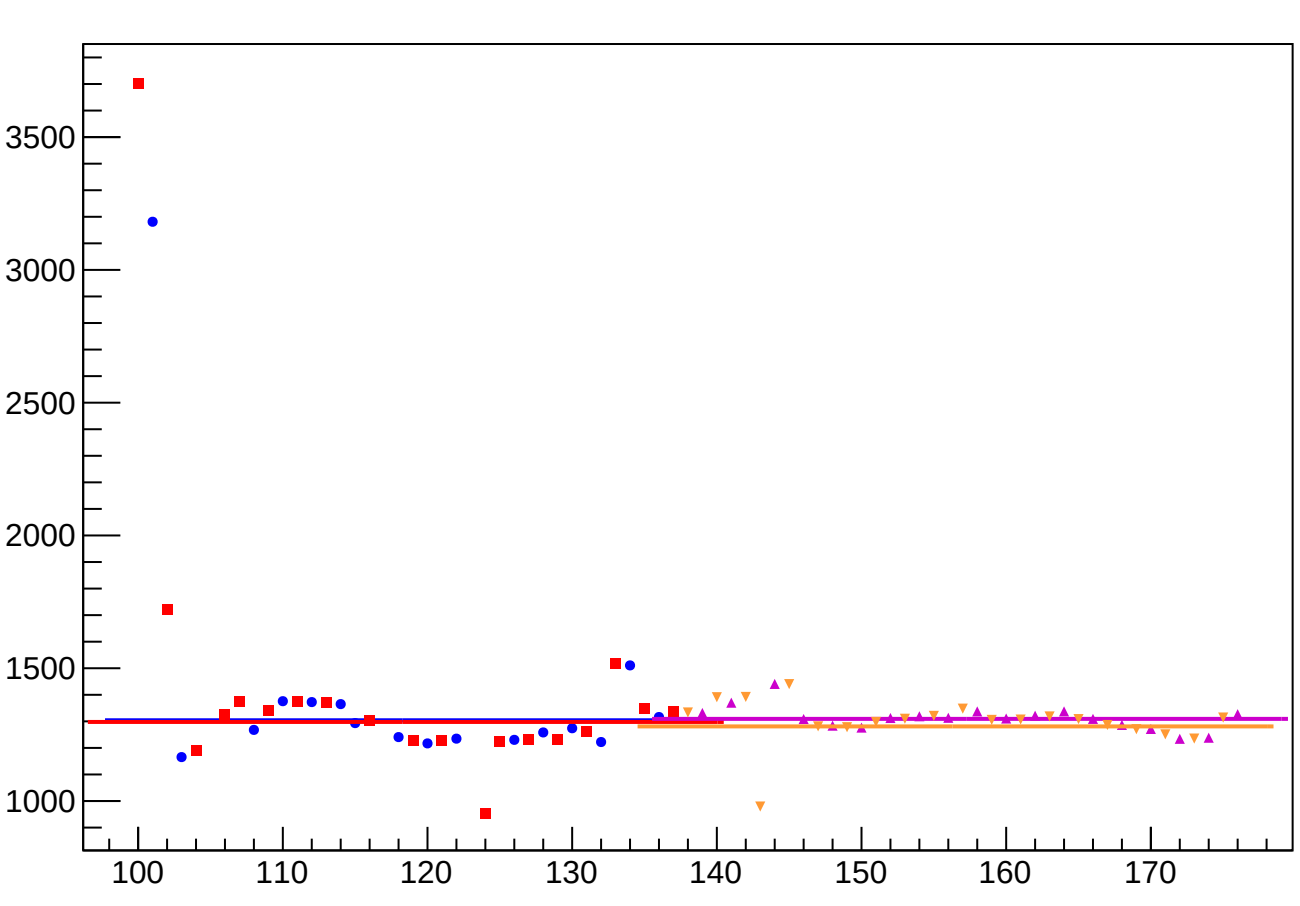
Left: -5.810+/-231.485 χ^2/NDF: 60.5/38

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.268+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

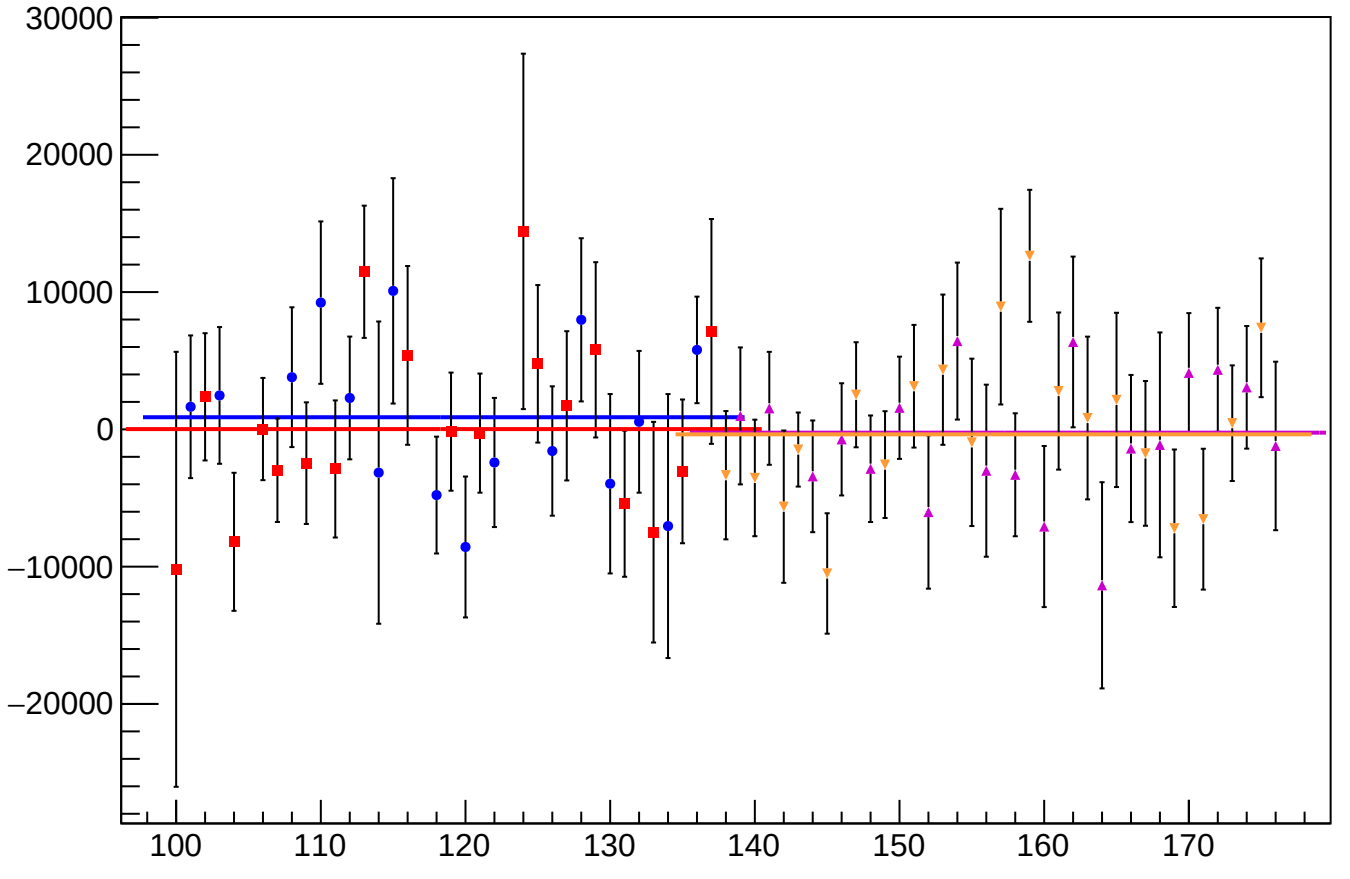
Left: 1294.738+/-0.164 χ^2/NDF: 251220.3/38

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -361.243+/-1045.588 χ^2/NDF:24.5/19

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -239.932+/-1120.053 χ^2/NDF:12.0/18

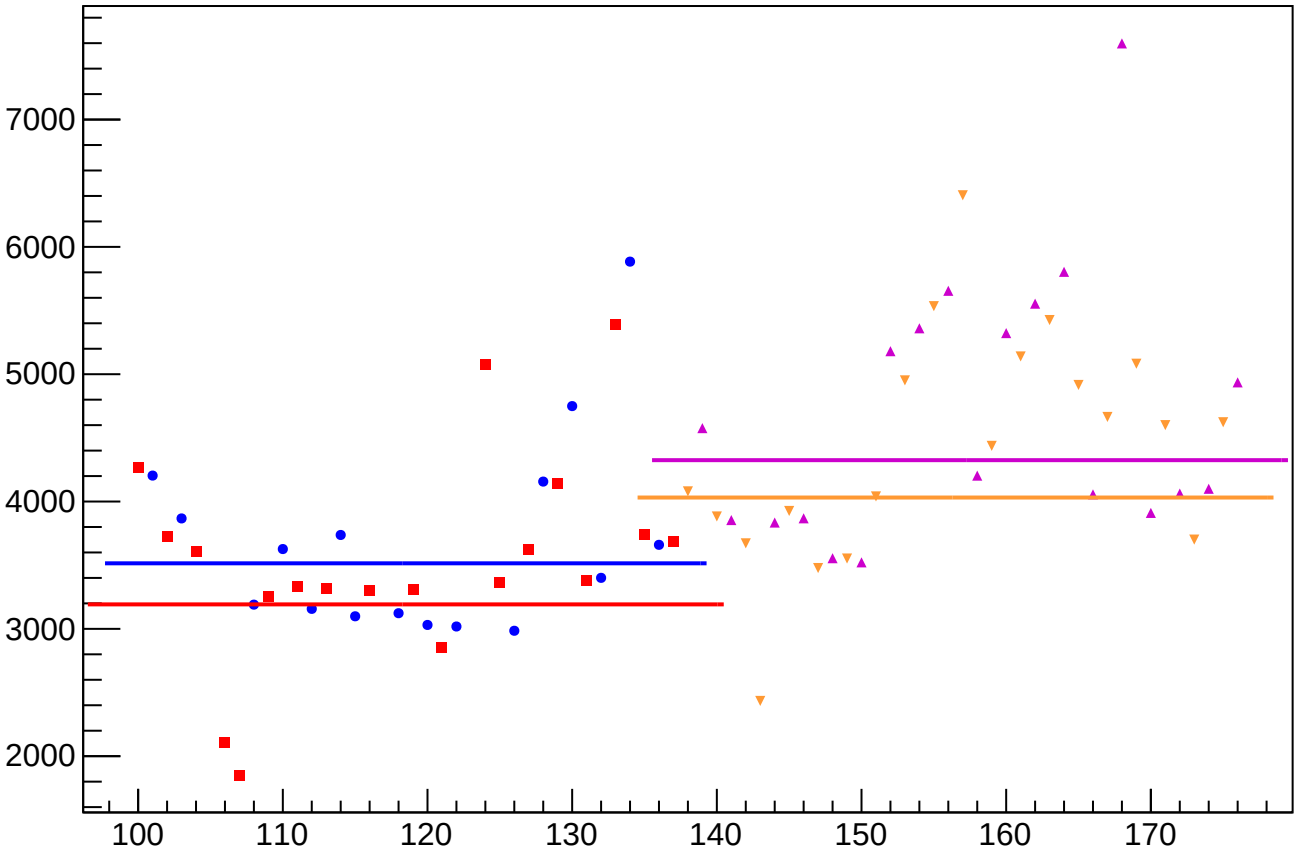
Left: -304.754+/-764.313 χ^2/NDF: 36.5/38

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 227.518+/-856.028 χ^2/NDF:26.5/34

Out: -196.422+/-788.324 χ^2/NDF:41.4/38

All: -1.877+/-579.889 χ^2/NDF: 68.0/73



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

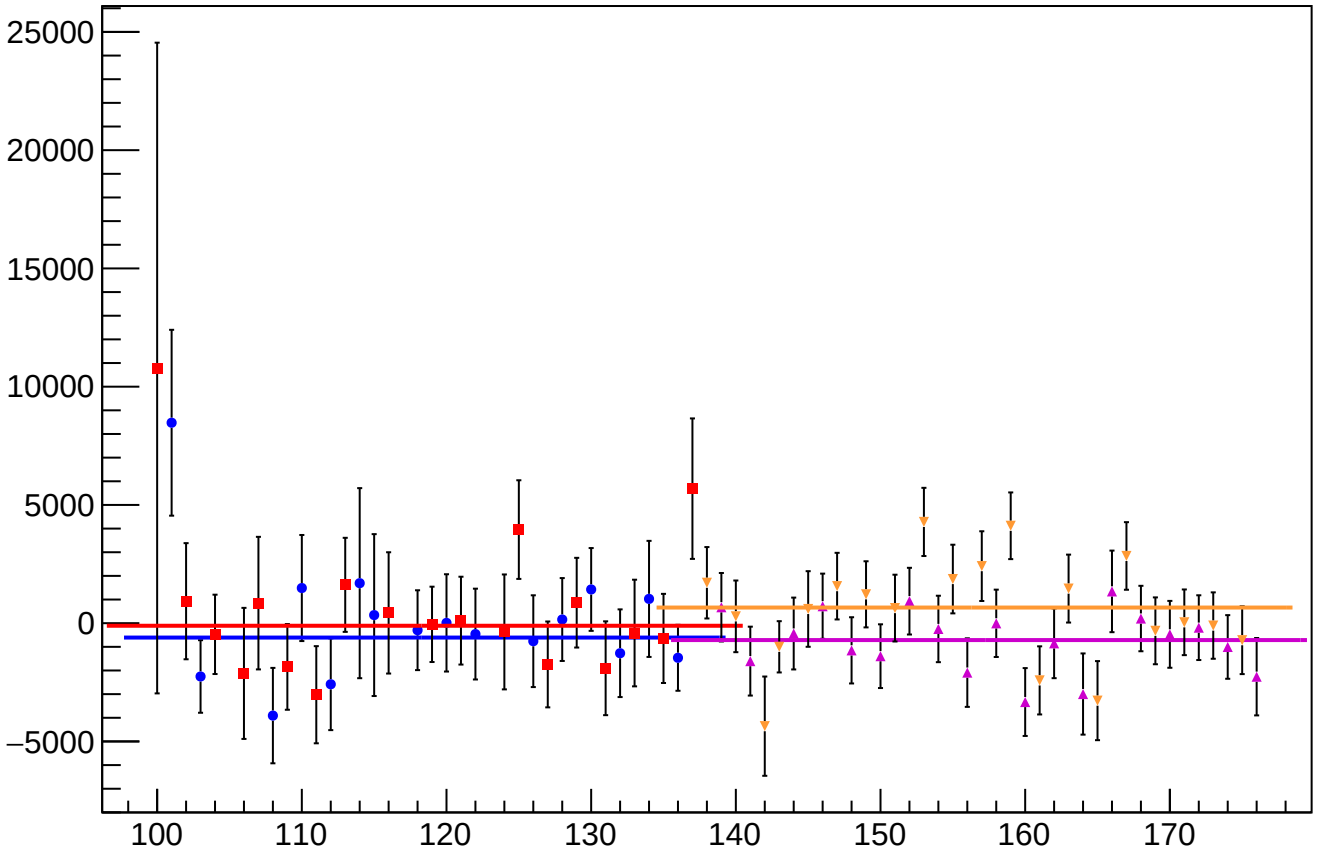
Left: 4168.098+/-0.540 χ^2/NDF: 2707239.2/38

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3987.977+/-0.605 χ^2/NDF:1859250.4/34

Out: 3669.264+/-0.557 χ^2/NDF:2913433.9/38

All: 3815.520+/-0.410 χ^2/NDF: 4922699.1/73



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

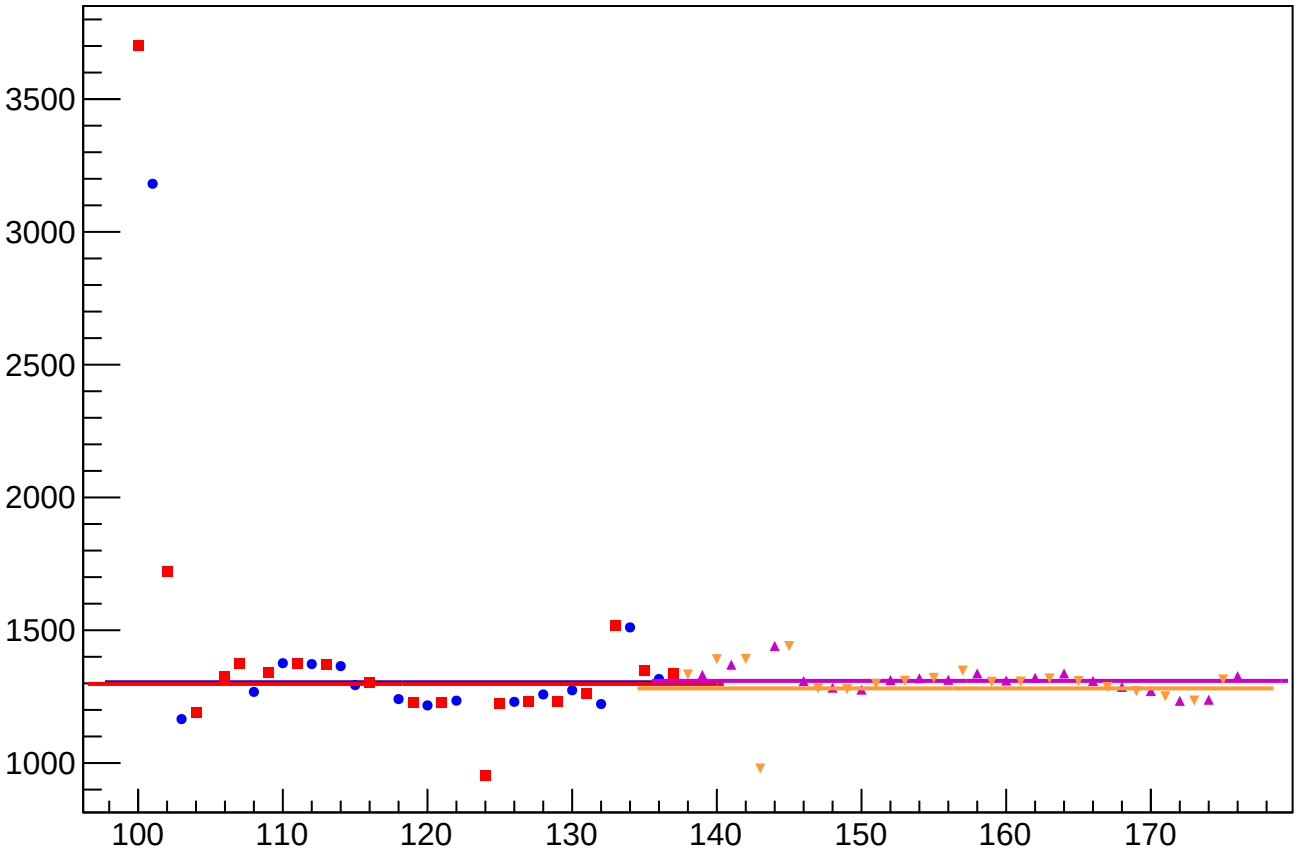
Left: -5.809+/-231.486 χ^2/NDF: 60.5/38

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.269+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

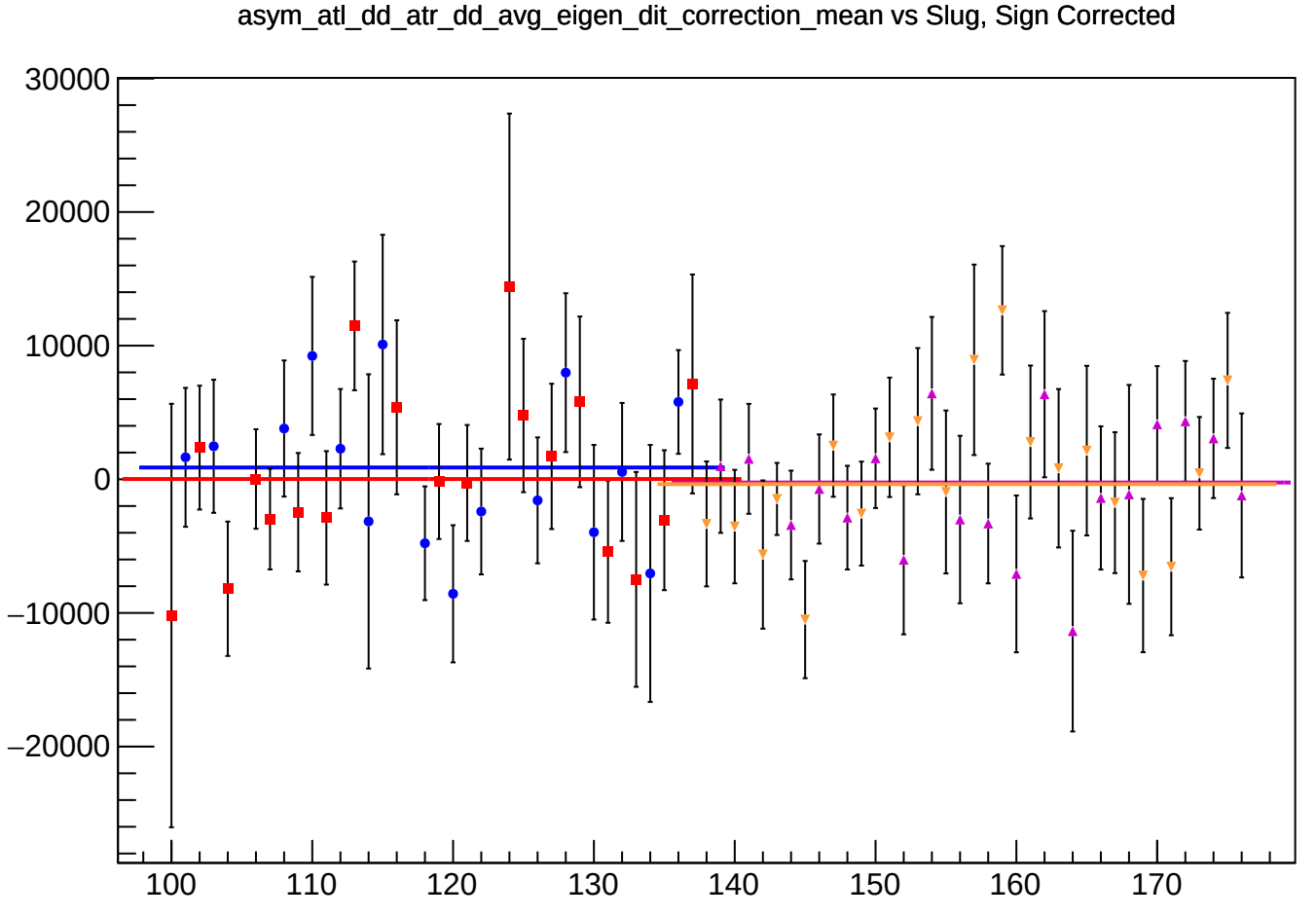
Left: 1294.739+/-0.164 χ^2/NDF: 251222.7/38

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -239.931+/-1120.055 χ^2/NDF:12.0/18

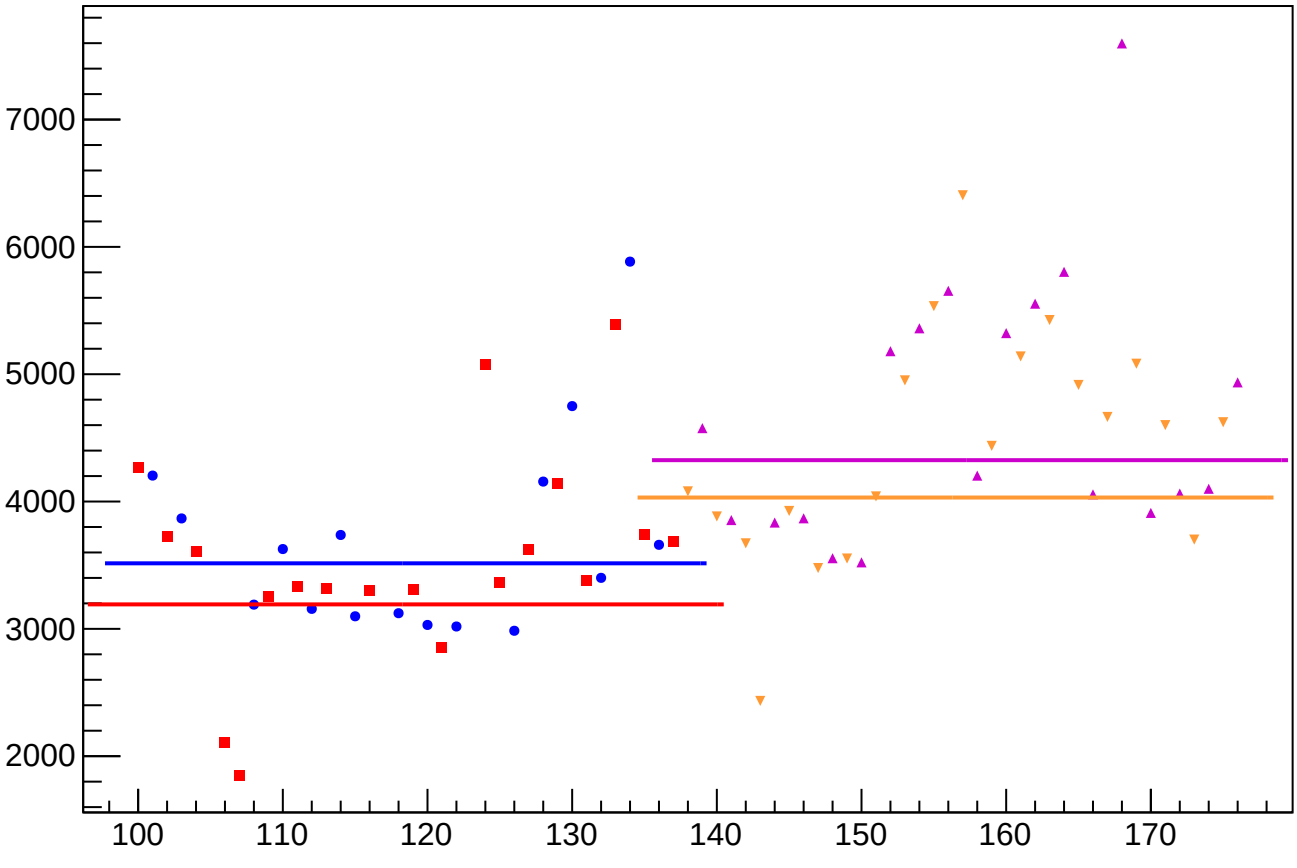
Left: -304.752+/-764.314 χ^2/NDF: 36.5/38

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 227.516+/-856.028 χ^2/NDF:26.5/34

Out: -196.421+/-788.324 χ^2/NDF:41.4/38

All: -1.878+/-579.889 χ^2/NDF: 68.0/73



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

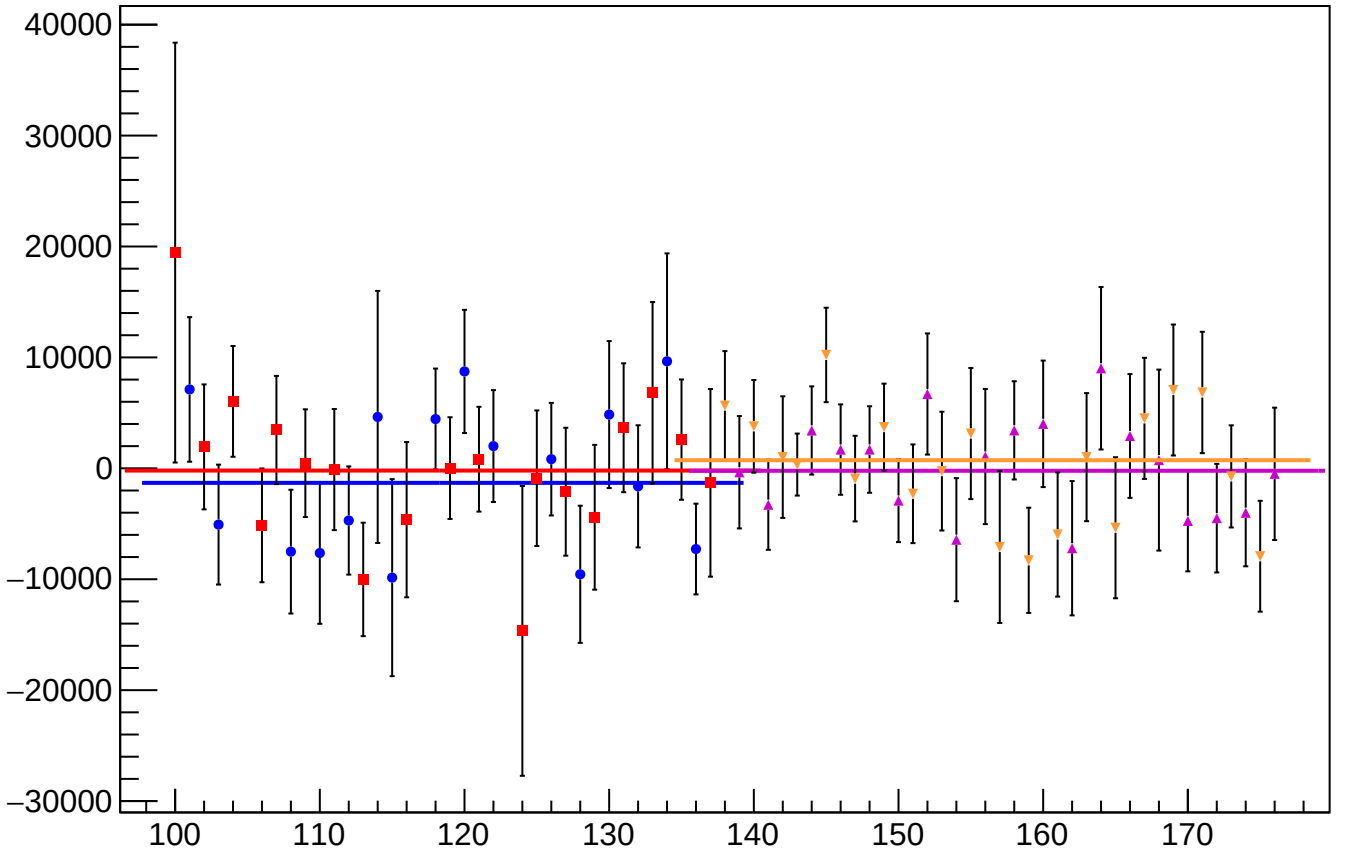
Left: 4168.105+/-0.540 χ^2/NDF: 2707242.3/38

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

Left: 285.579+/-770.274 χ^2/NDF: 33.7/38

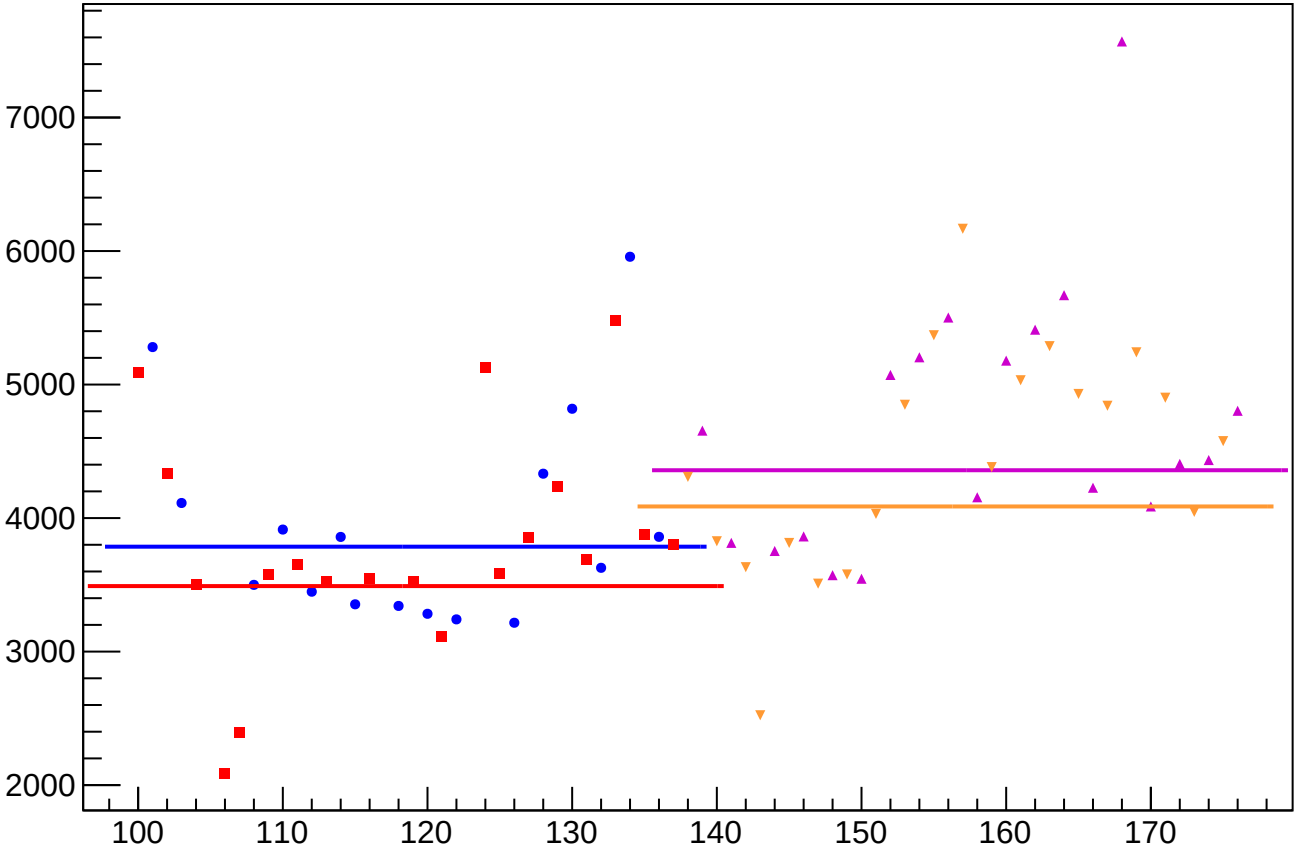
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -98.941+/-604.835 χ^2/NDF: 63.9/73

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: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

Left: 4213.955+/-0.545 χ^2/NDF: 2429343.2/38

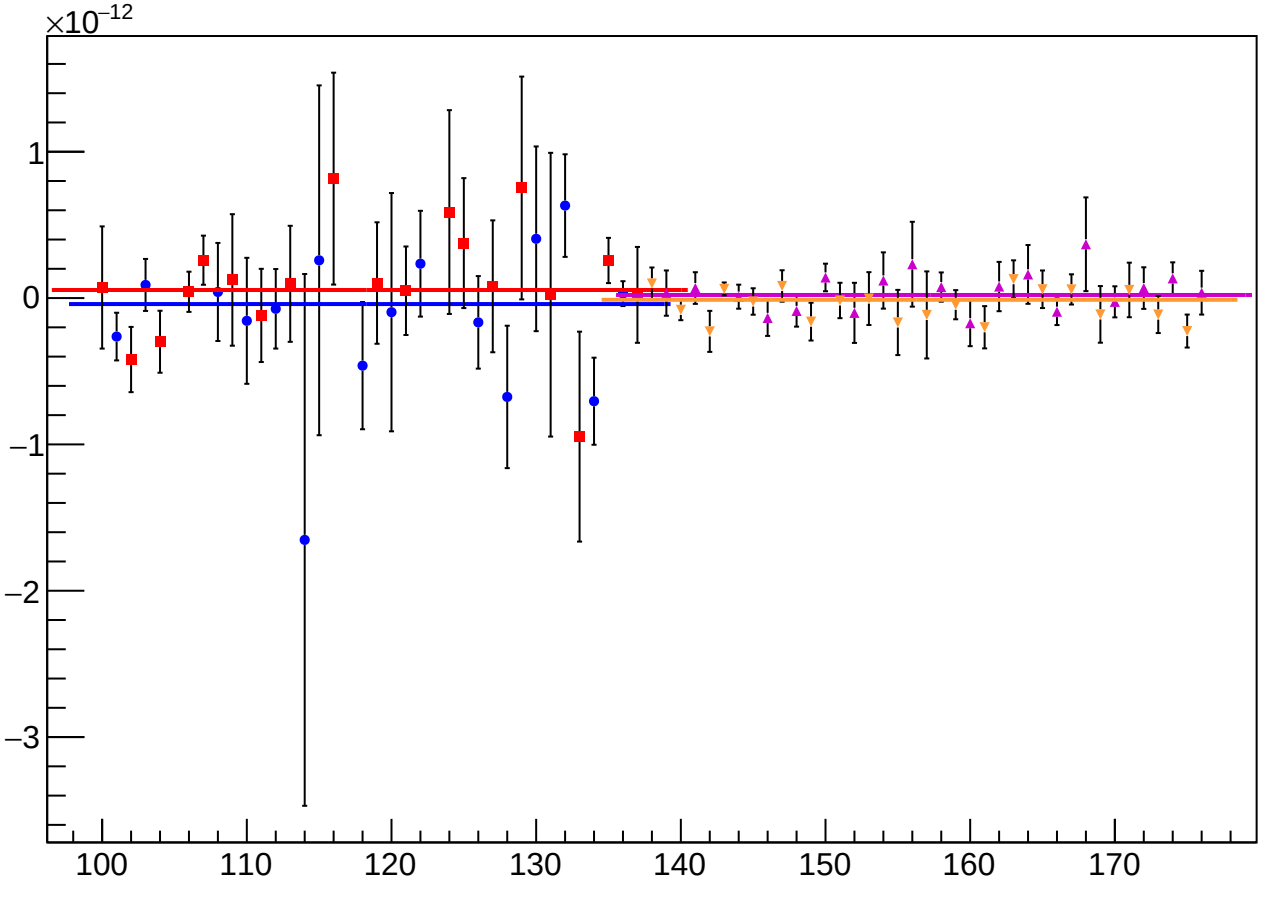
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/18

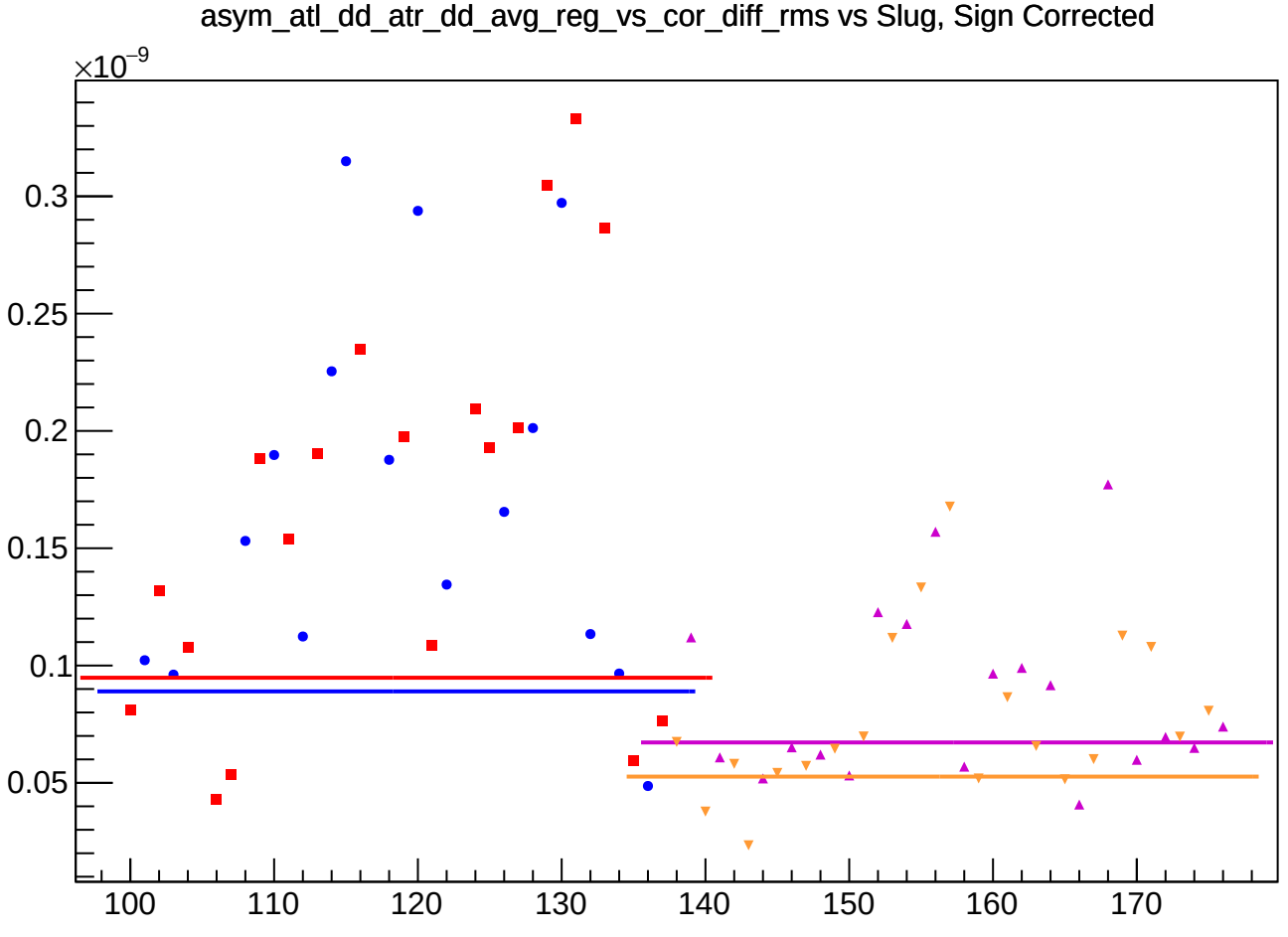
Left: 0.000+/-0.000 χ^2/NDF: 31.3/38

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/34

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

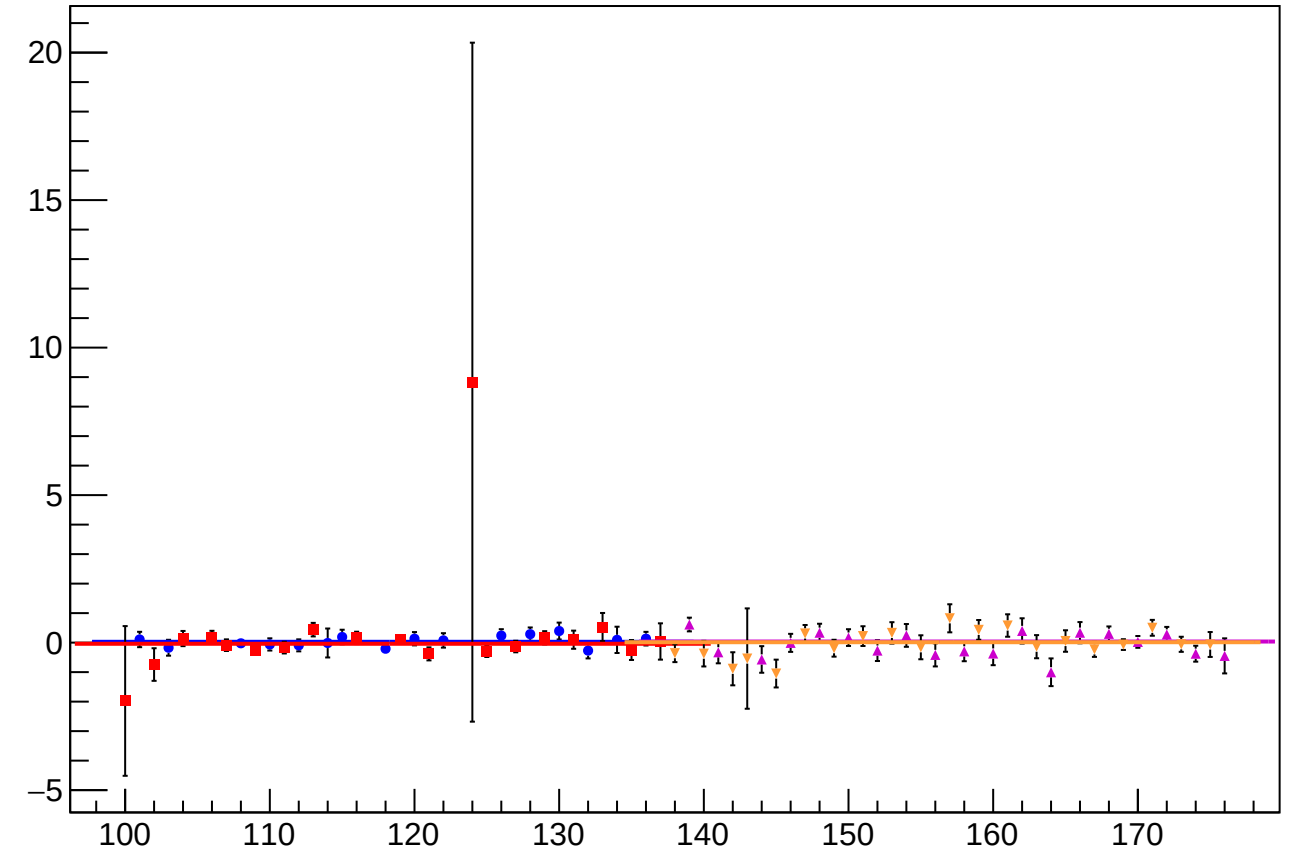
Left: 0.000+/-0.000 χ^2/NDF: 4207898.5/38

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3060442.4/34

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

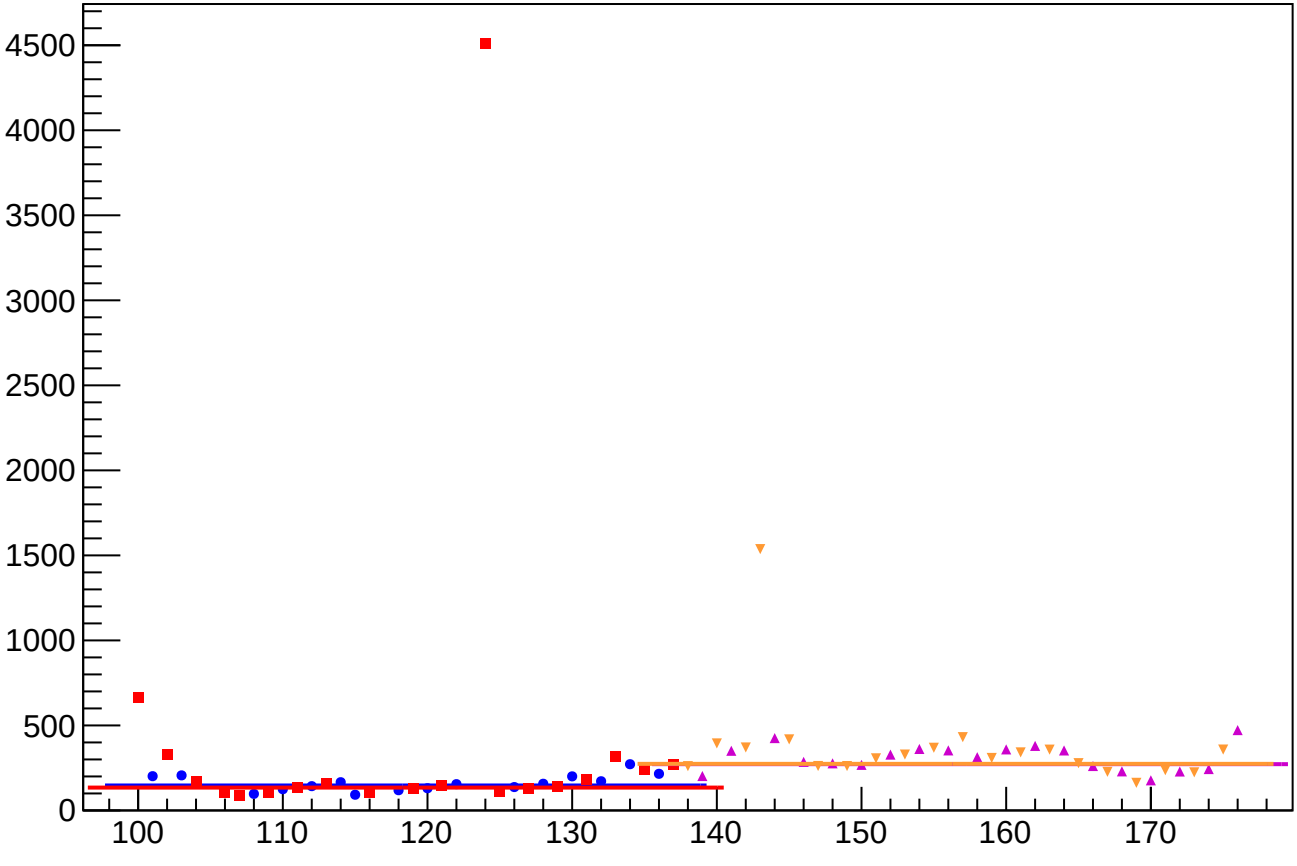
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

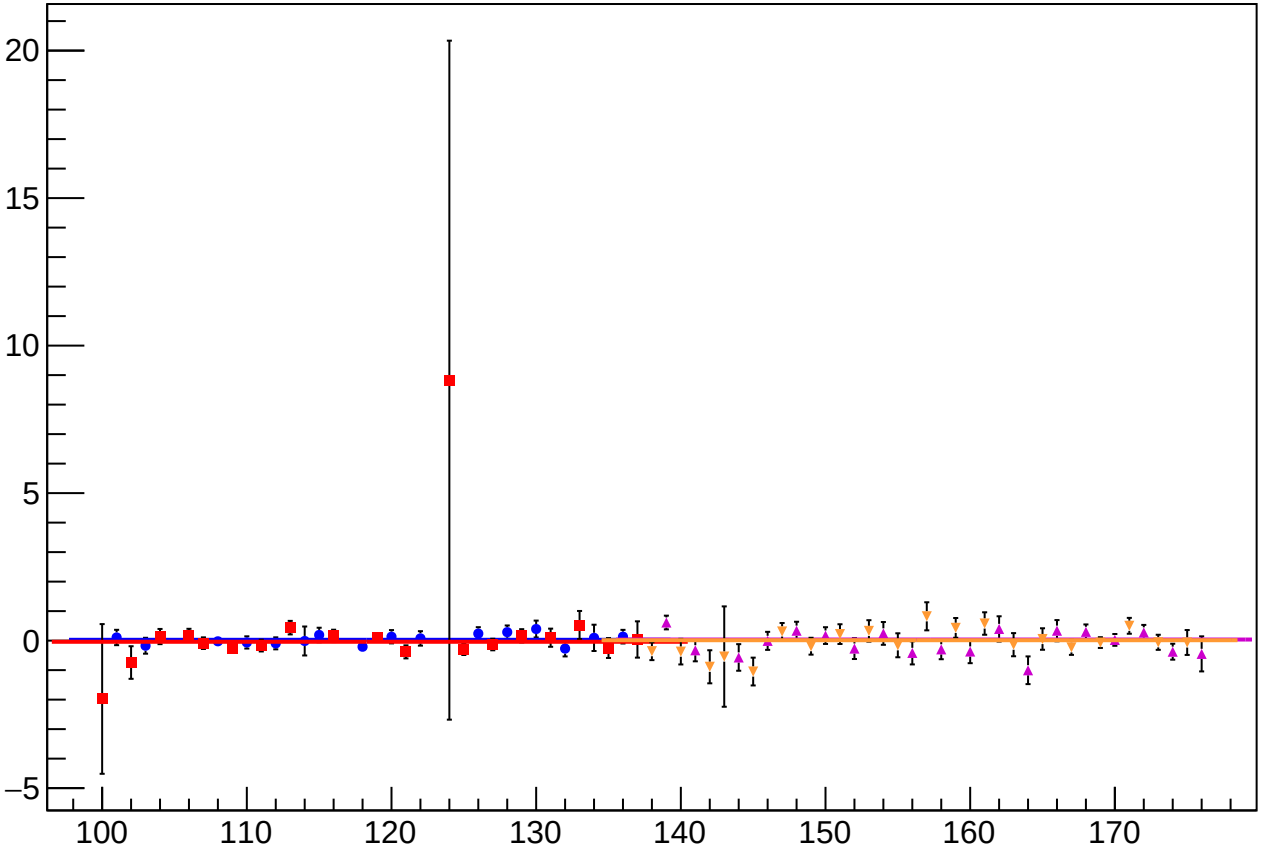
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

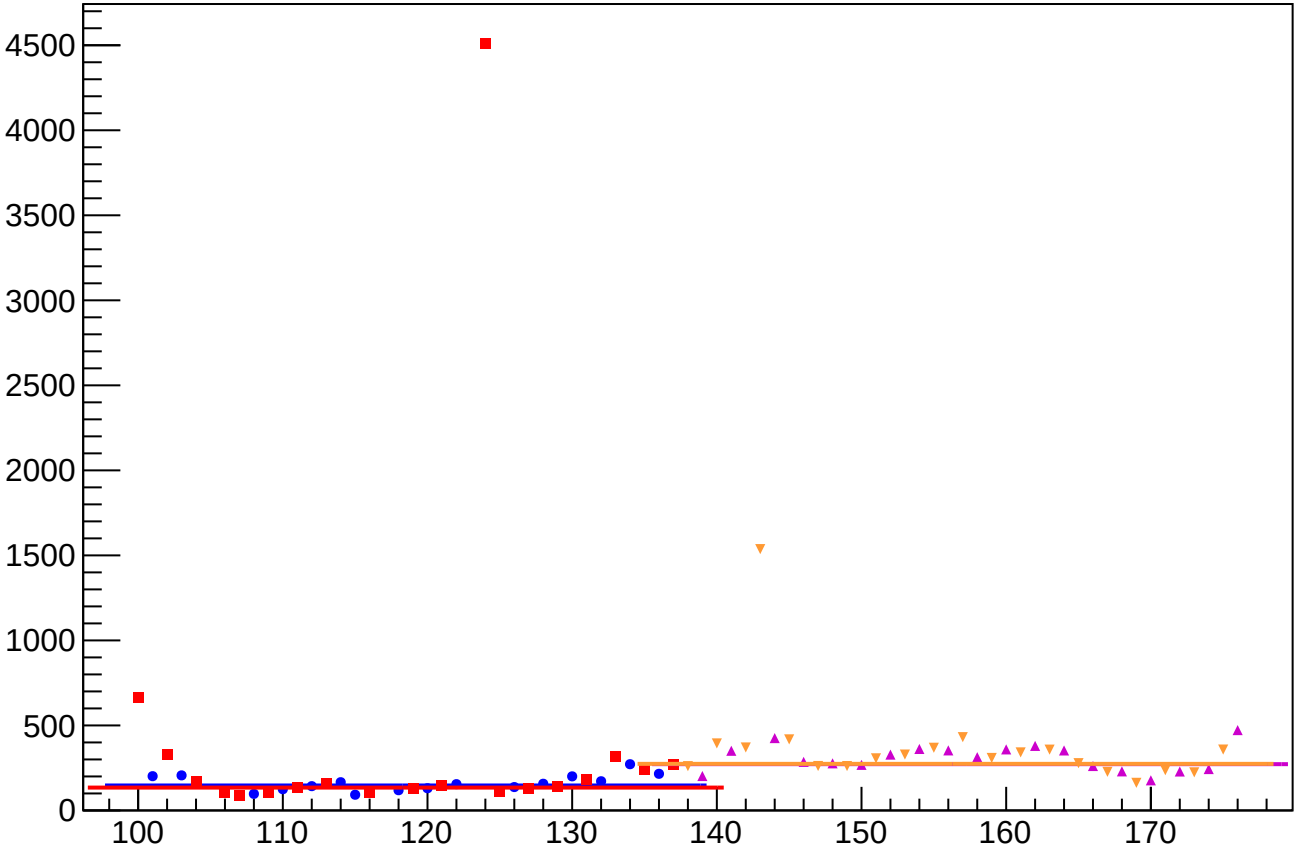
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

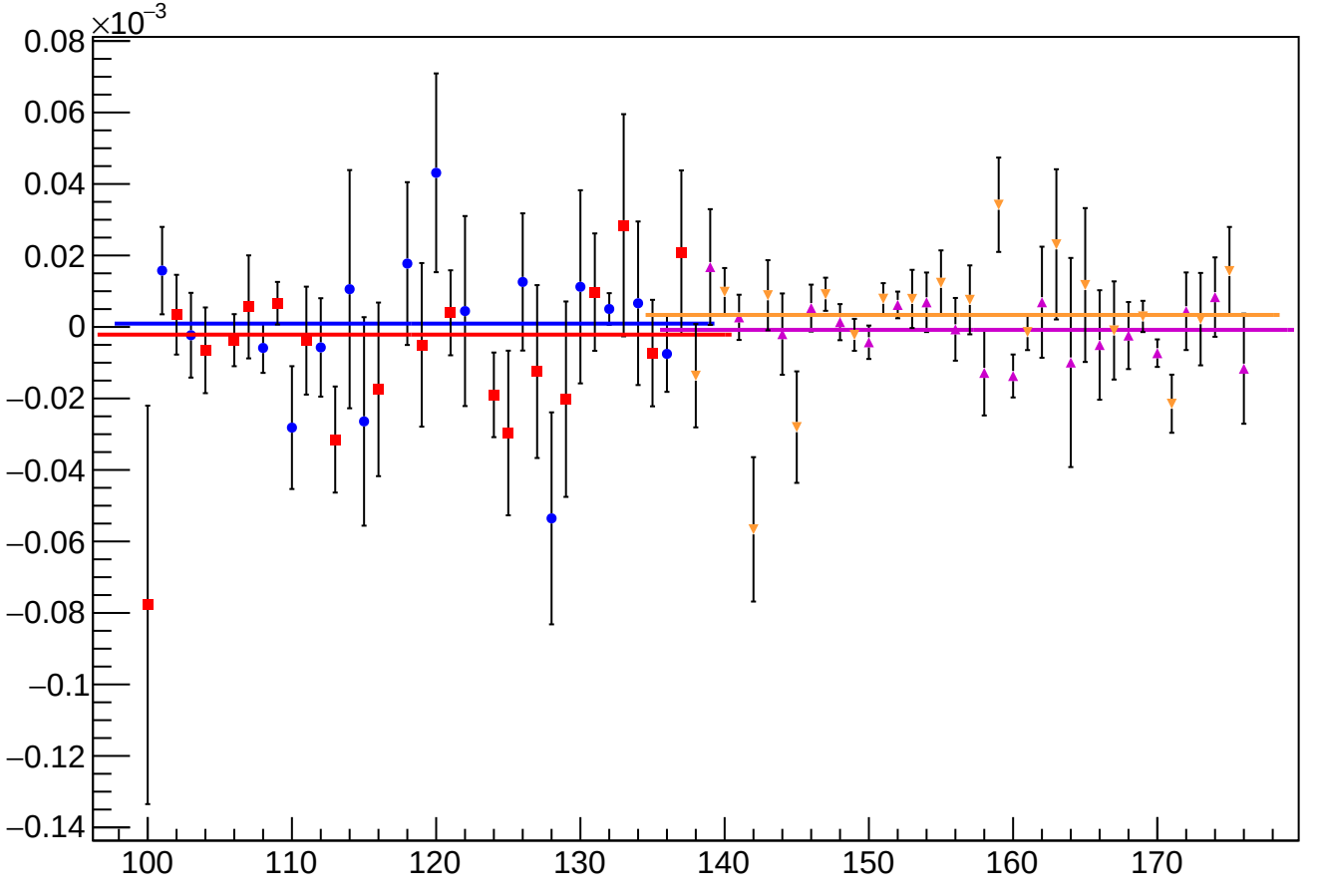
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

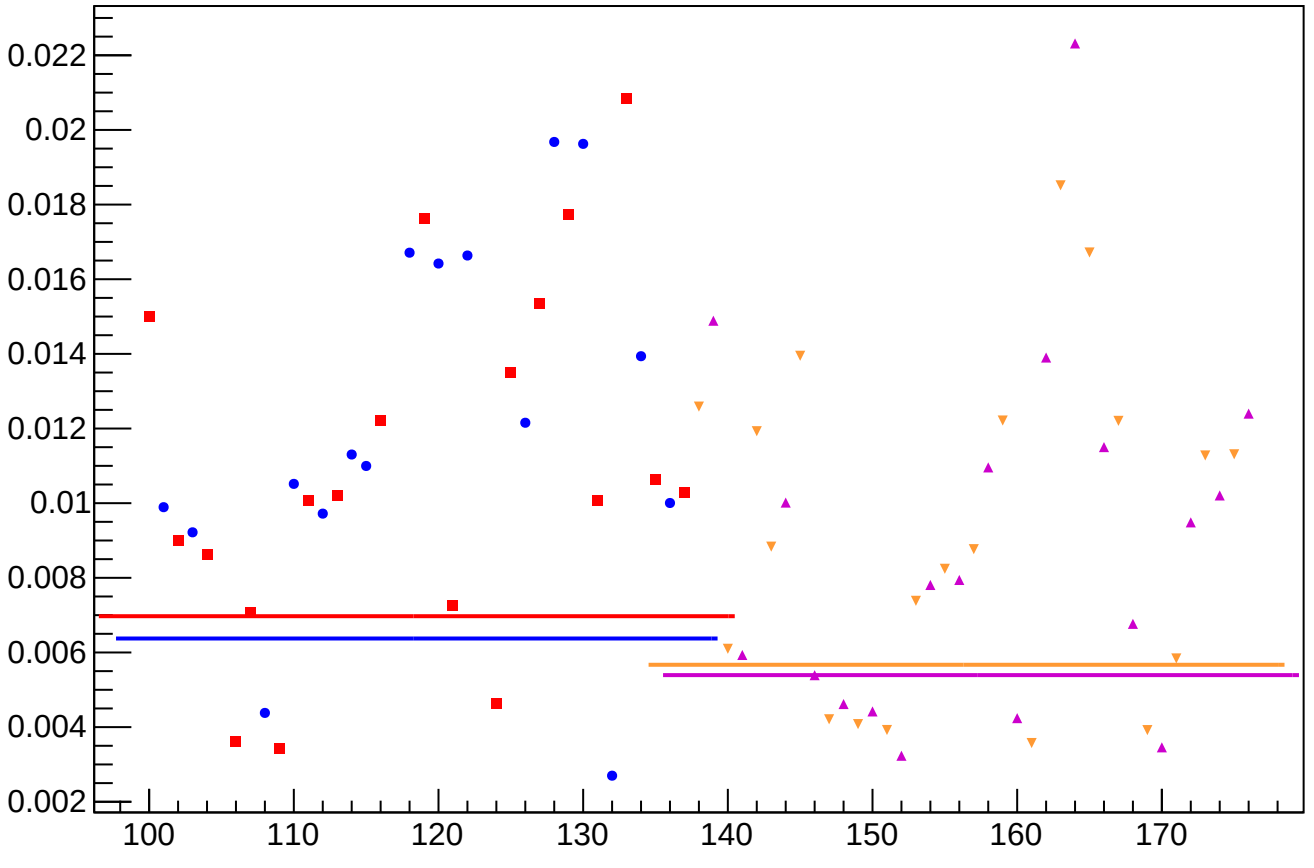
Left: 0.000+/-0.000 χ^2/NDF: 60.1/38

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 92.1/73



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12260522.1/38

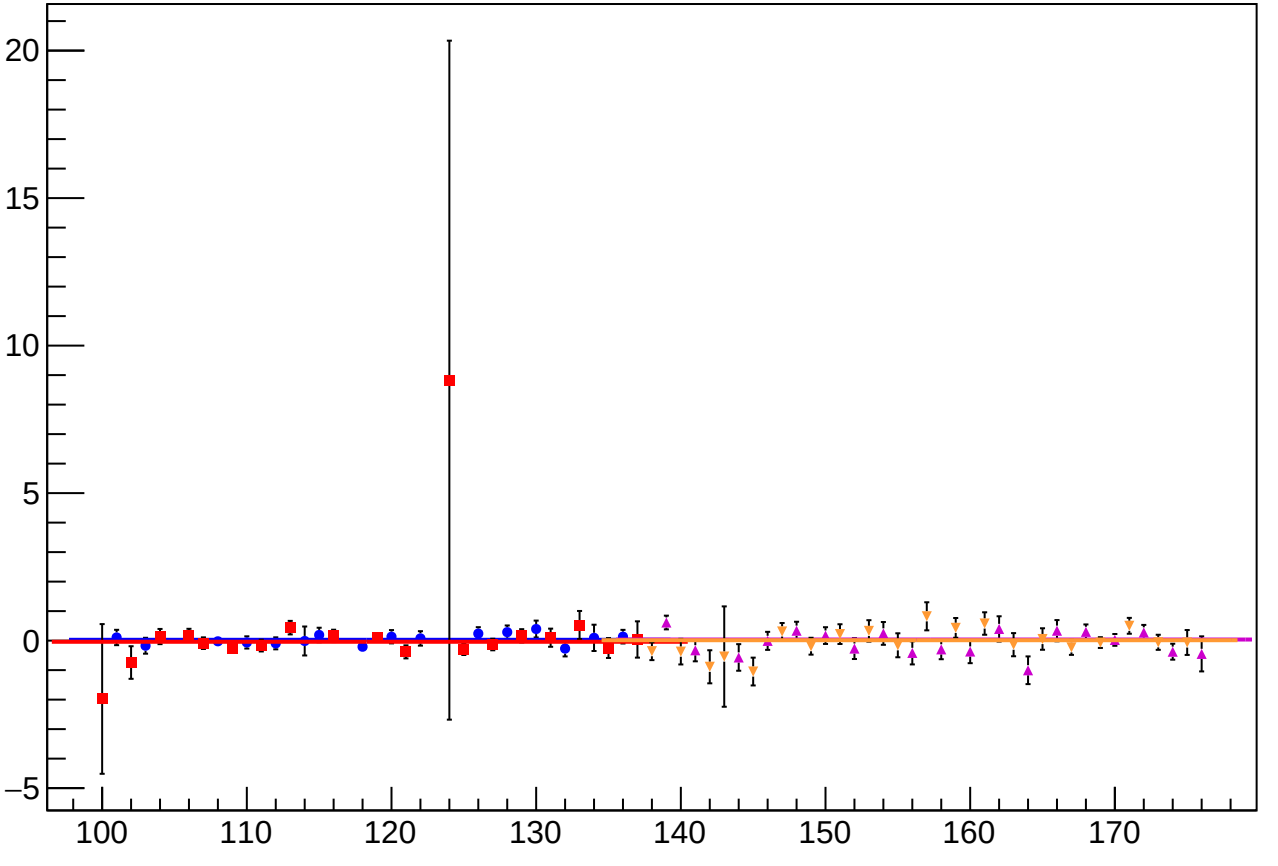
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20800993.9/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

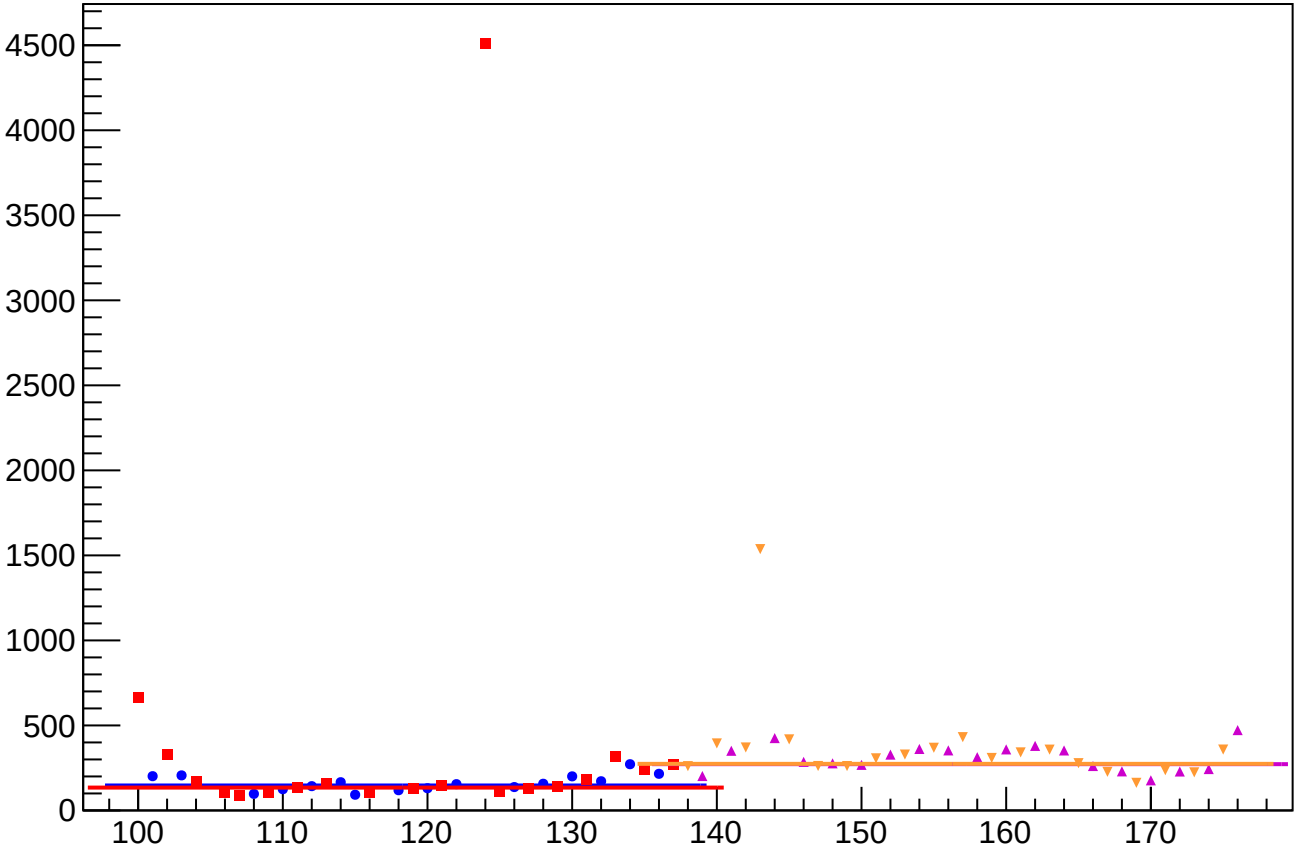
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

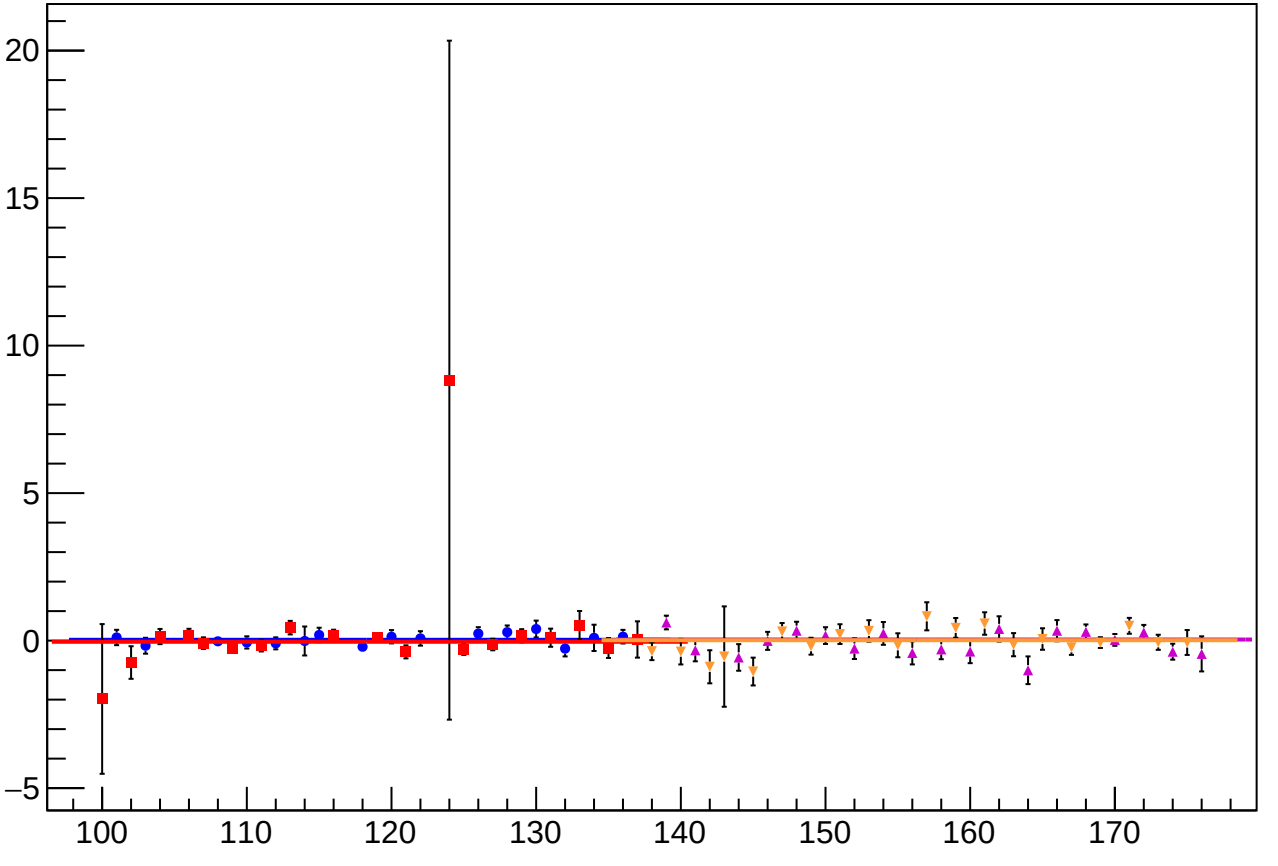
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

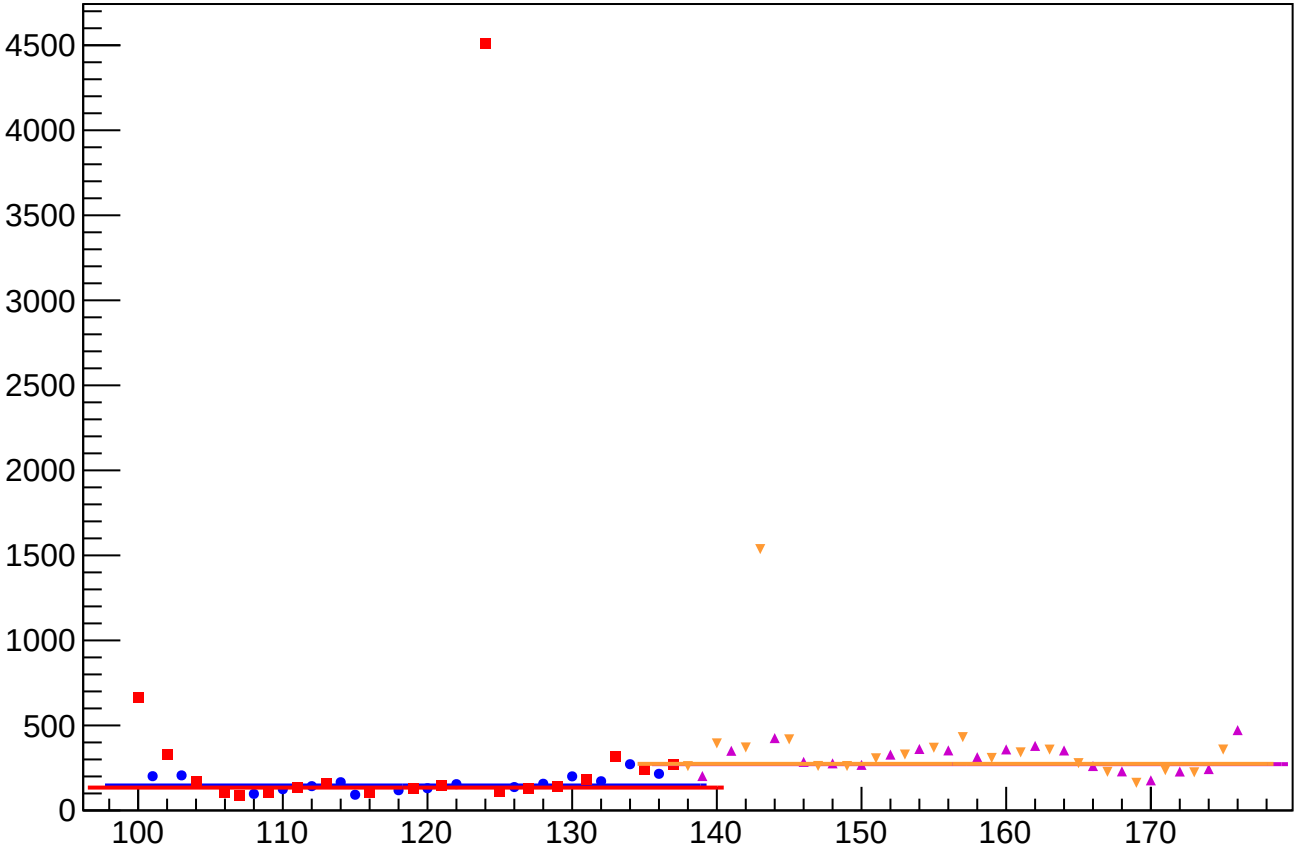
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

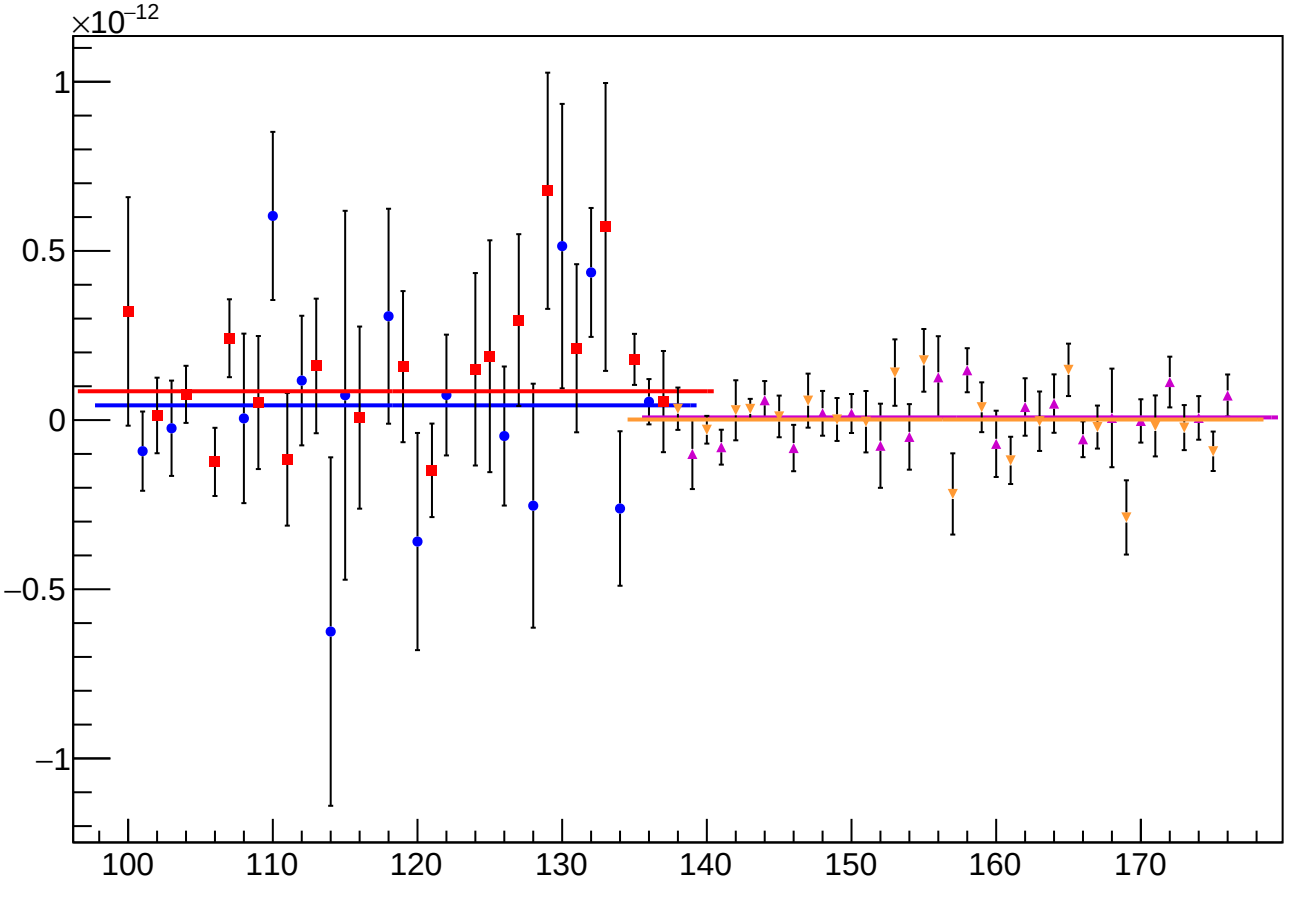
Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

Left: 0.000+/-0.000 χ^2/NDF: 46.7/38

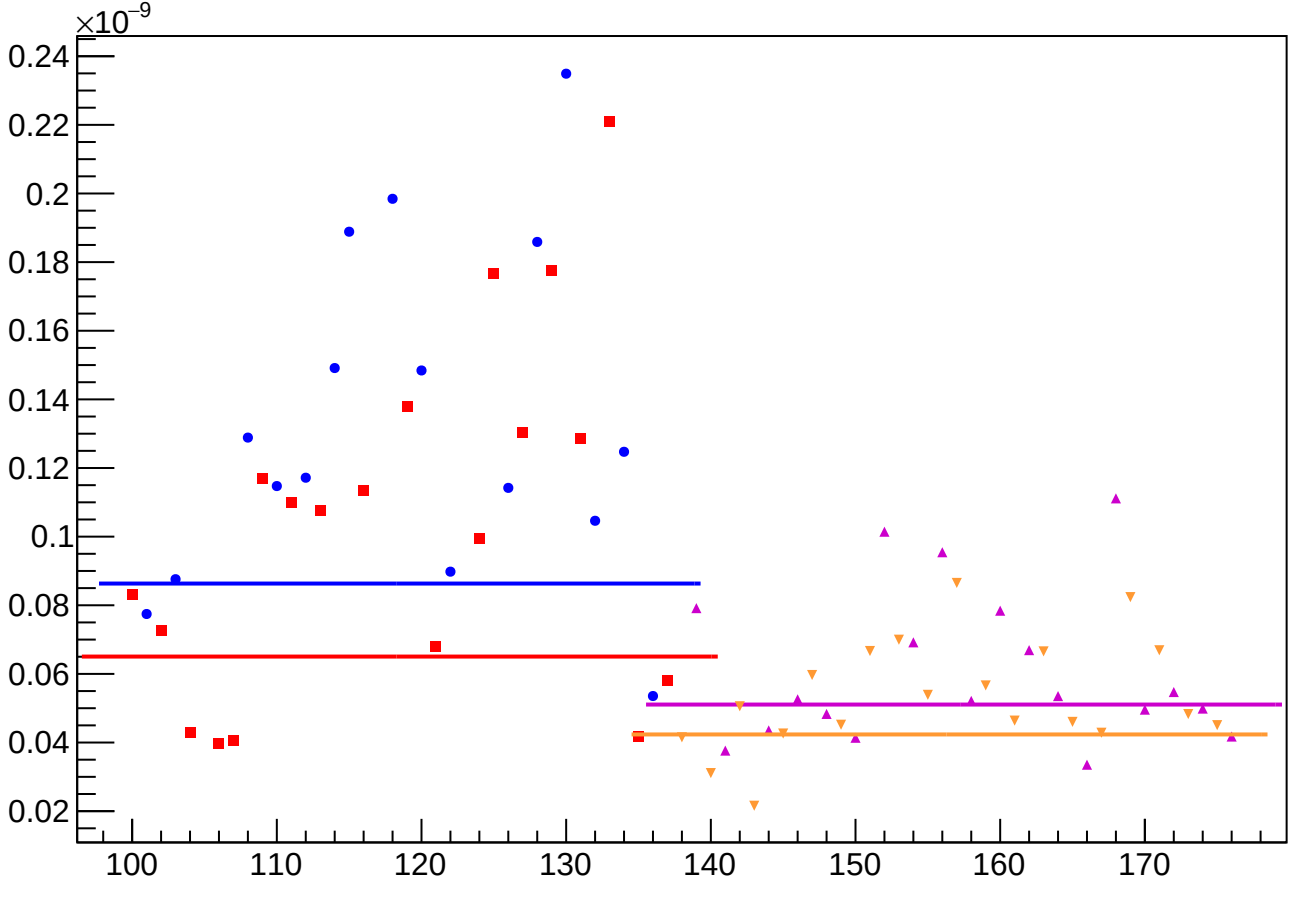
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 89.5/73

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

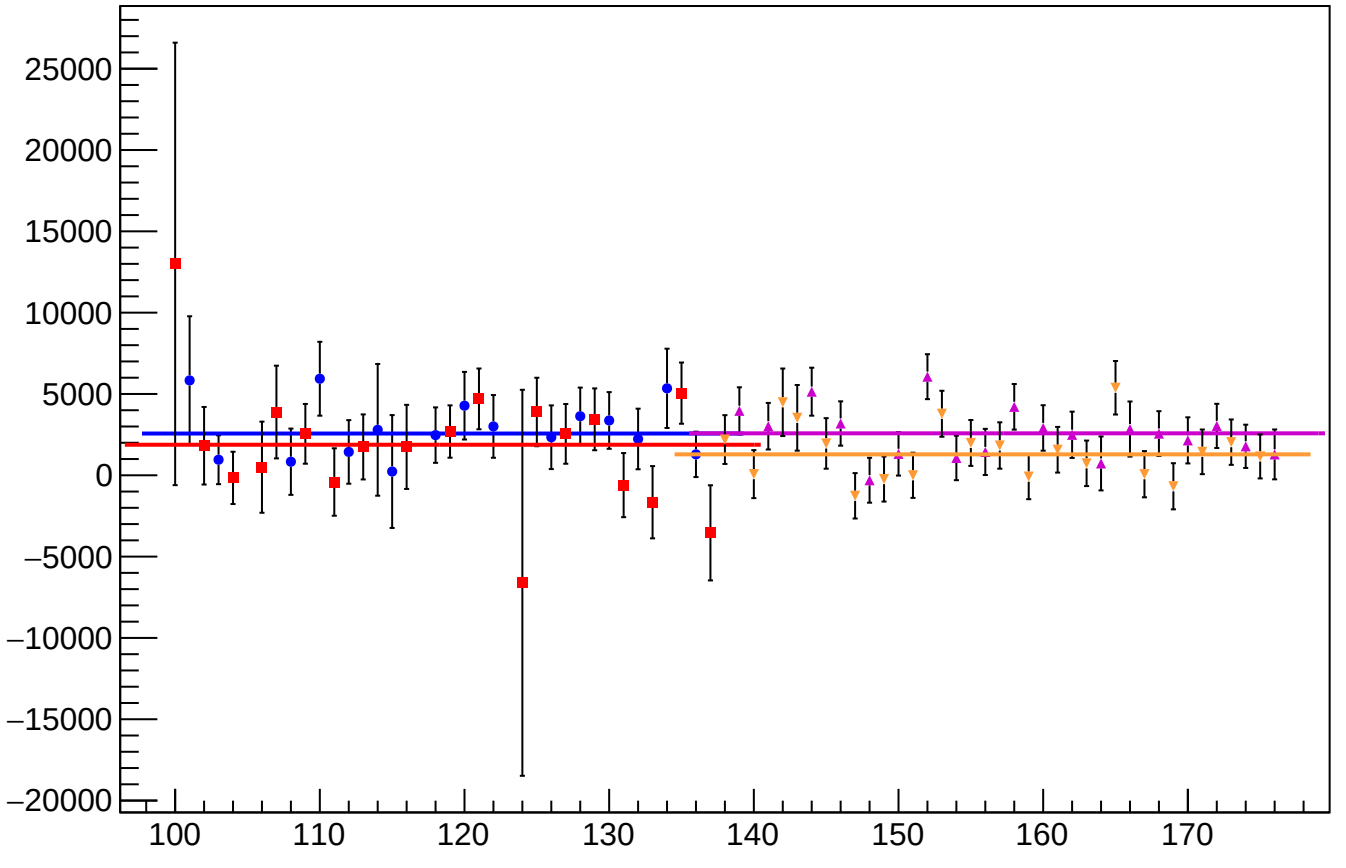
Left: 0.000+/-0.000 χ^2/NDF: 4726782.2/38

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.257+/-327.327 χ^2/NDF:24.1/19

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.368+/-326.440 χ^2/NDF:21.7/18

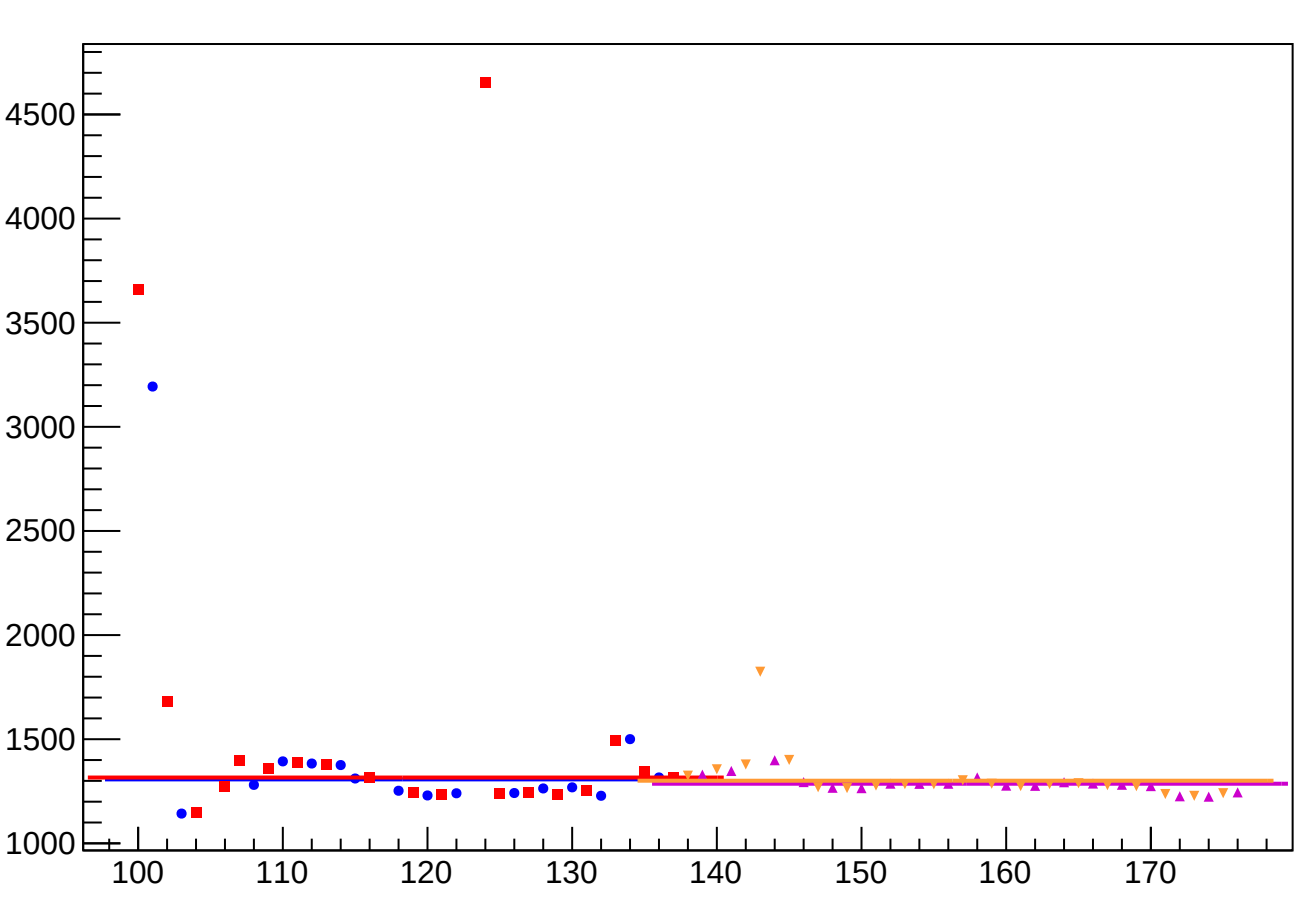
Left: 1935.568+/-231.141 χ^2/NDF: 53.6/38

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2576.460+/-272.576 χ^2/NDF:30.7/34

Out: 1467.135+/-272.984 χ^2/NDF:44.6/38

All: 2022.627+/-192.885 χ^2/NDF: 83.6/73



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1293.446+/-0.163 χ^2/NDF: 199490.1/38

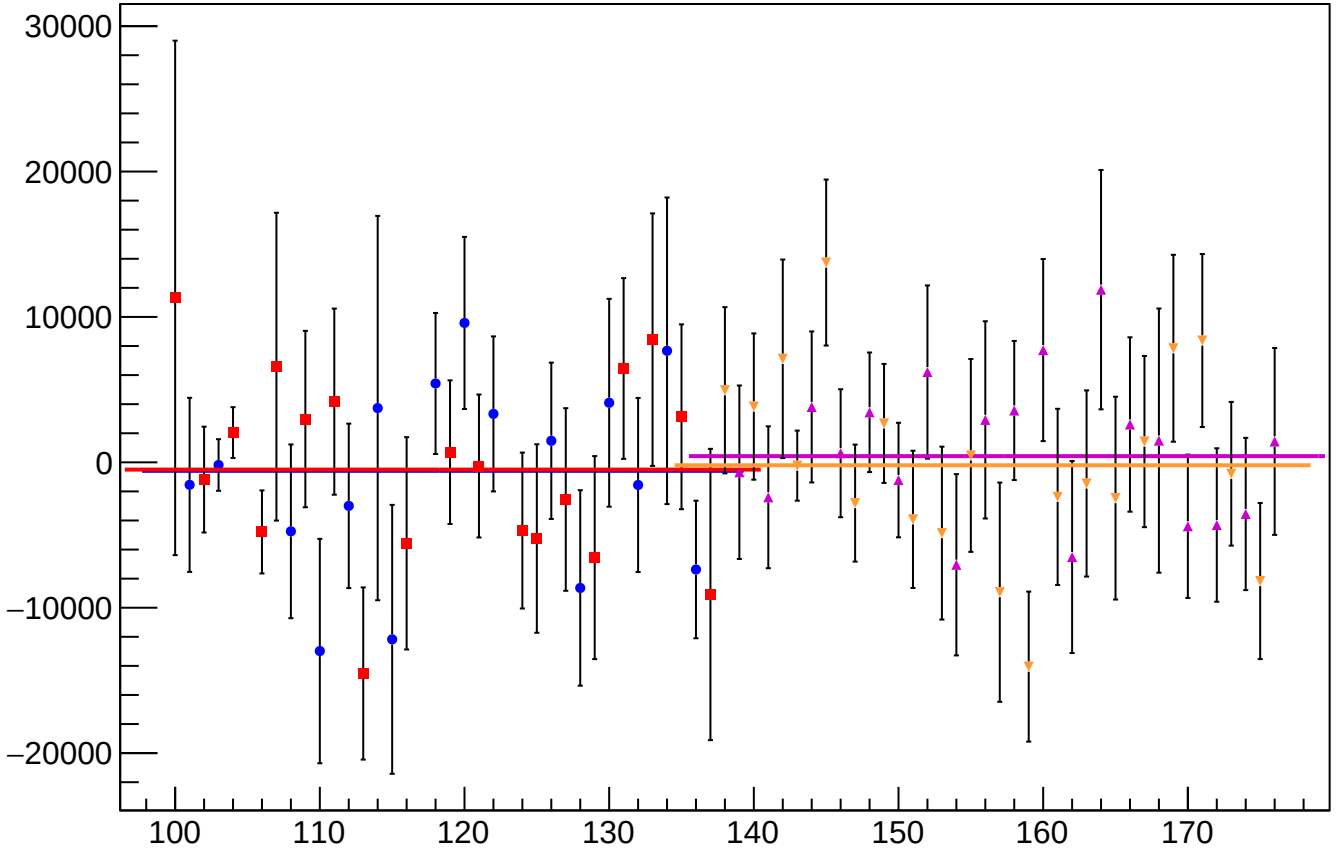
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1292.546+/-0.193 χ^2/NDF:547952.9/34

Out: 1305.370+/-0.193 χ^2/NDF:496053.8/38

All: 1298.954+/-0.136 χ^2/NDF: 1046218.4/73

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: -202.369+/-1120.824 χ^2/NDF:25.5/19

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 426.235+/-1247.599 χ^2/NDF:11.4/18

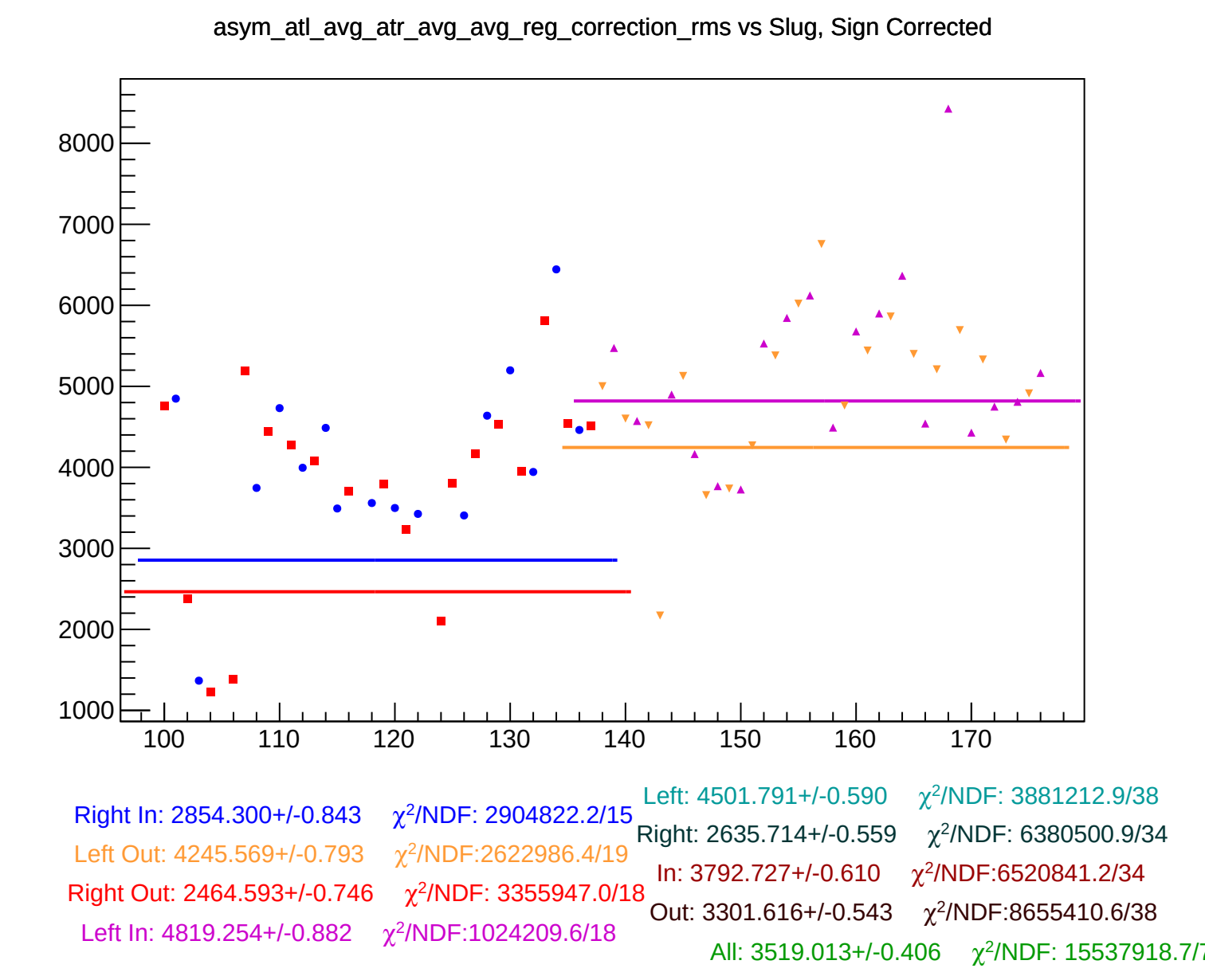
Left: 78.382+/-833.771 χ^2/NDF: 37.0/38

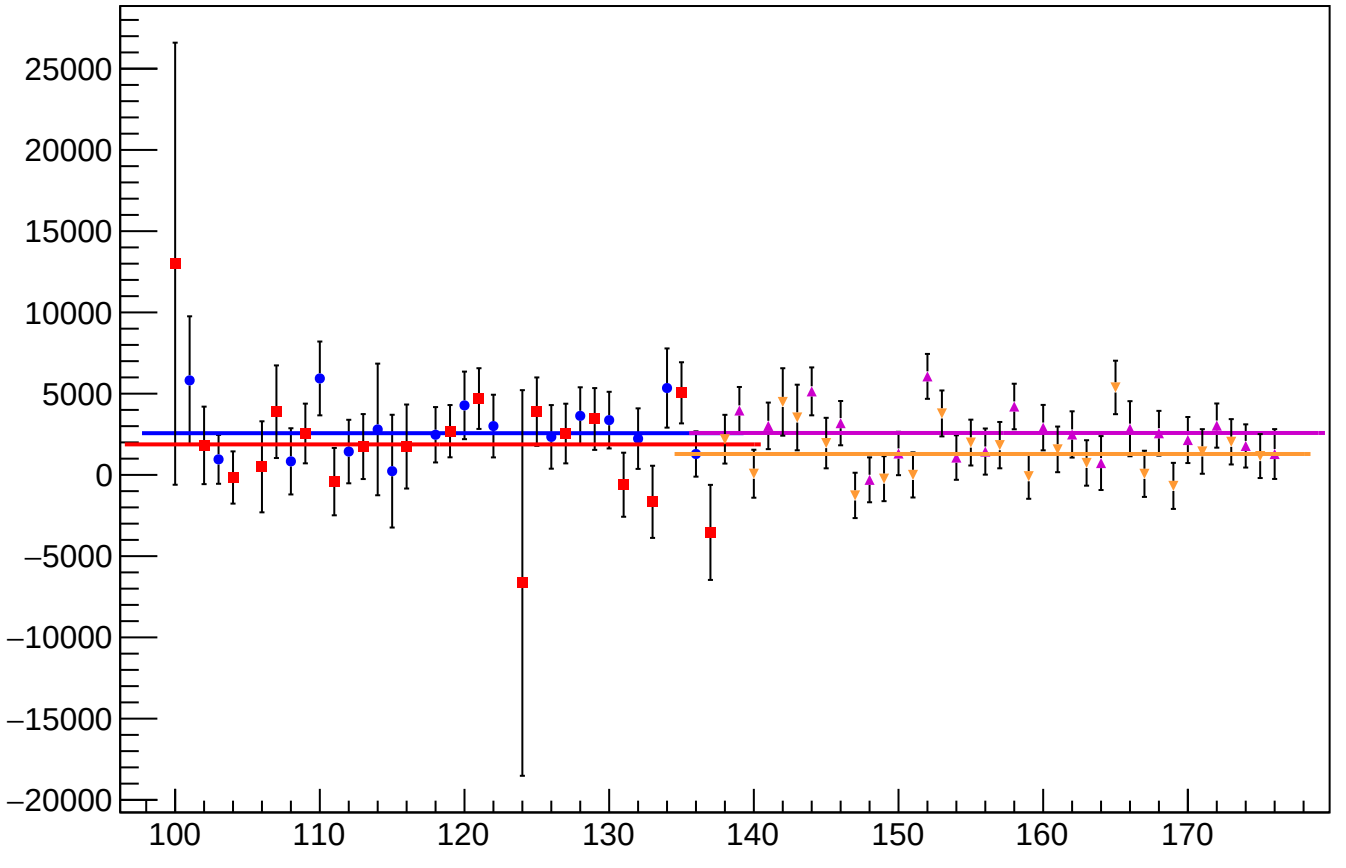
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -100.375+/-862.182 χ^2/NDF:26.4/34

Out: -360.171+/-768.382 χ^2/NDF:43.2/38

All: -245.169+/-573.635 χ^2/NDF: 69.7/73


asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 2854.300+/-0.843 χ²/NDF: 2904822.2/15
Left Out: 4245.569+/-0.793 χ²/NDF:2622986.4/19
Right Out: 2464.593+/-0.746 χ²/NDF: 3355947.0/18
Left In: 4819.254+/-0.882 χ²/NDF:1024209.6/18
Left: 4501.791+/-0.590 χ²/NDF: 3881212.9/38
Right: 2635.714+/-0.559 χ²/NDF: 6380500.9/34
In: 3792.727+/-0.610 χ²/NDF:6520841.2/34
Out: 3301.616+/-0.543 χ²/NDF:8655410.6/38
All: 3519.013+/-0.406 χ²/NDF: 15537918.7/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.385+/-326.440 χ^2/NDF:21.7/18

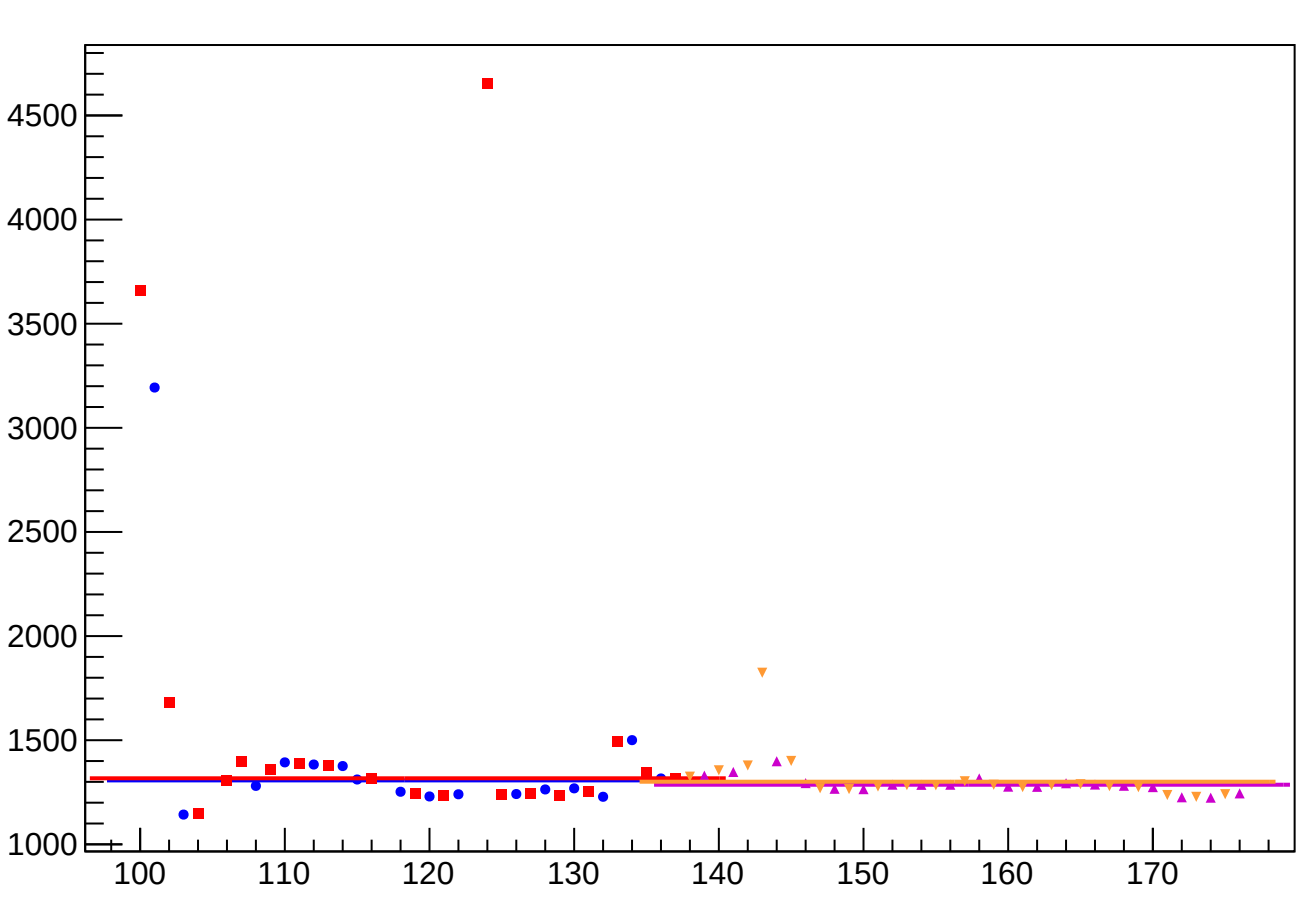
Left: 1935.551+/-231.141 χ^2/NDF: 53.6/38

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2576.387+/-272.576 χ^2/NDF:30.7/34

Out: 1467.021+/-272.984 χ^2/NDF:44.6/38

All: 2022.533+/-192.885 χ^2/NDF: 83.6/73



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1293.446+/-0.163 χ^2/NDF: 199490.1/38

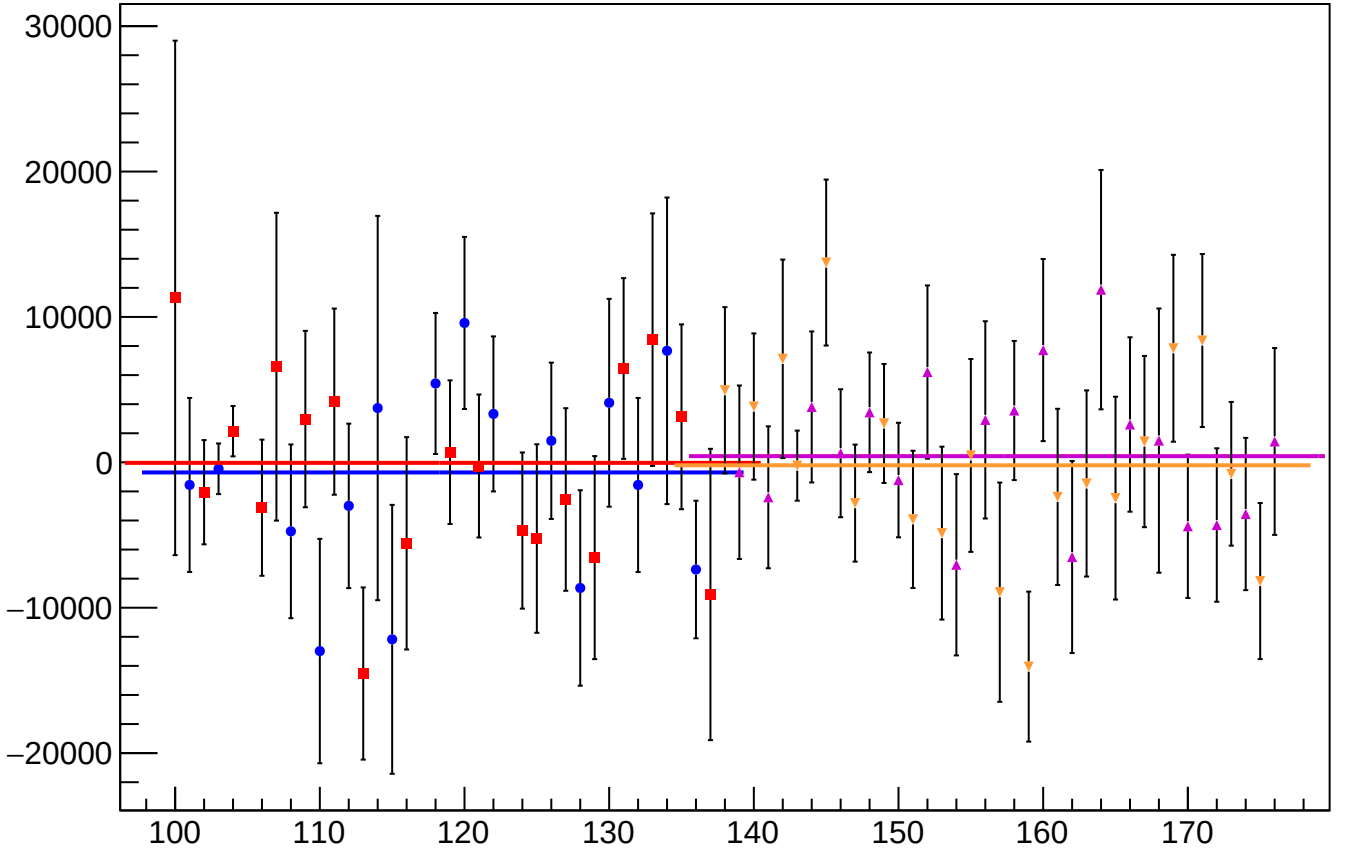
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1292.546+/-0.193 χ^2/NDF:547954.3/34

Out: 1305.709+/-0.193 χ^2/NDF:495763.4/38

All: 1299.122+/-0.136 χ^2/NDF: 1046047.6/73

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 426.311+/-1247.599 χ^2/NDF:11.4/18

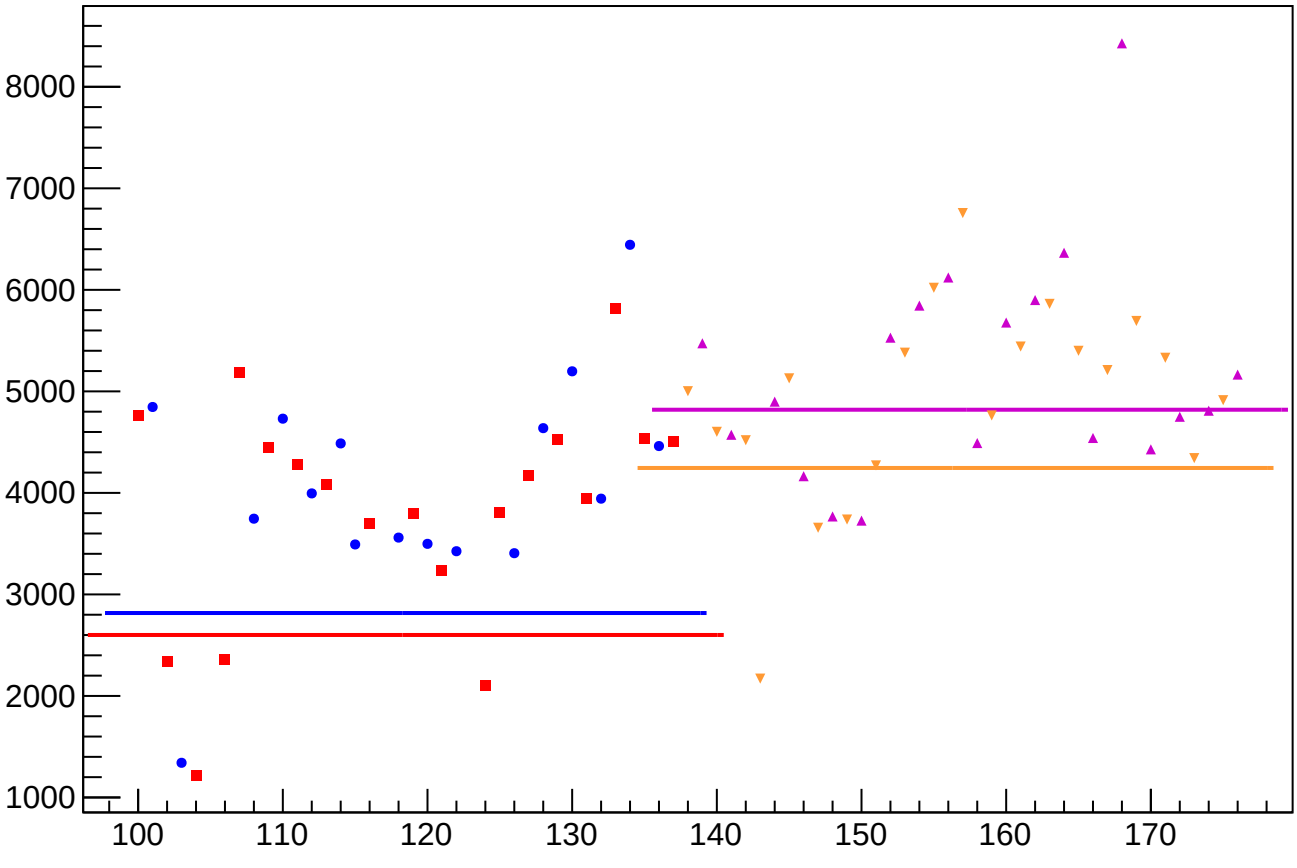
Left: 78.403+/-833.769 χ^2/NDF: 37.0/38

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -164.524+/-858.219 χ^2/NDF:26.5/34

Out: -117.558+/-784.422 χ^2/NDF:41.4/38

All: -138.936+/-579.005 χ^2/NDF: 67.9/73



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

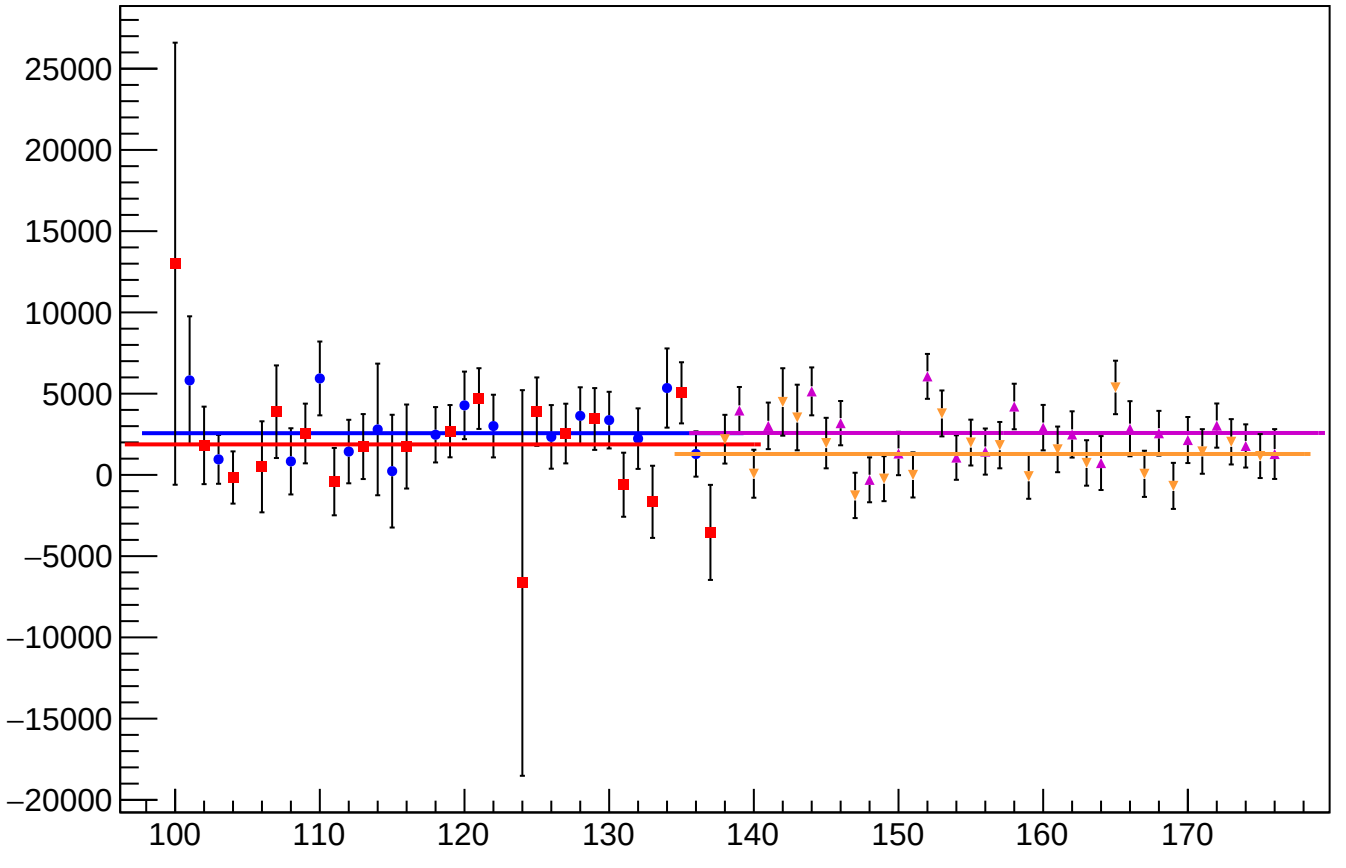
Left: 4501.780+/-0.590 χ^2/NDF: 3881318.7/38

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3764.357+/-0.607 χ^2/NDF:6746075.5/34

Out: 3406.275+/-0.555 χ^2/NDF:7901877.3/38

All: 3569.261+/-0.409 χ^2/NDF: 14837651.7/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1287.205+/-327.327 χ^2/NDF:24.1/19

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.385+/-326.440 χ^2/NDF:21.7/18

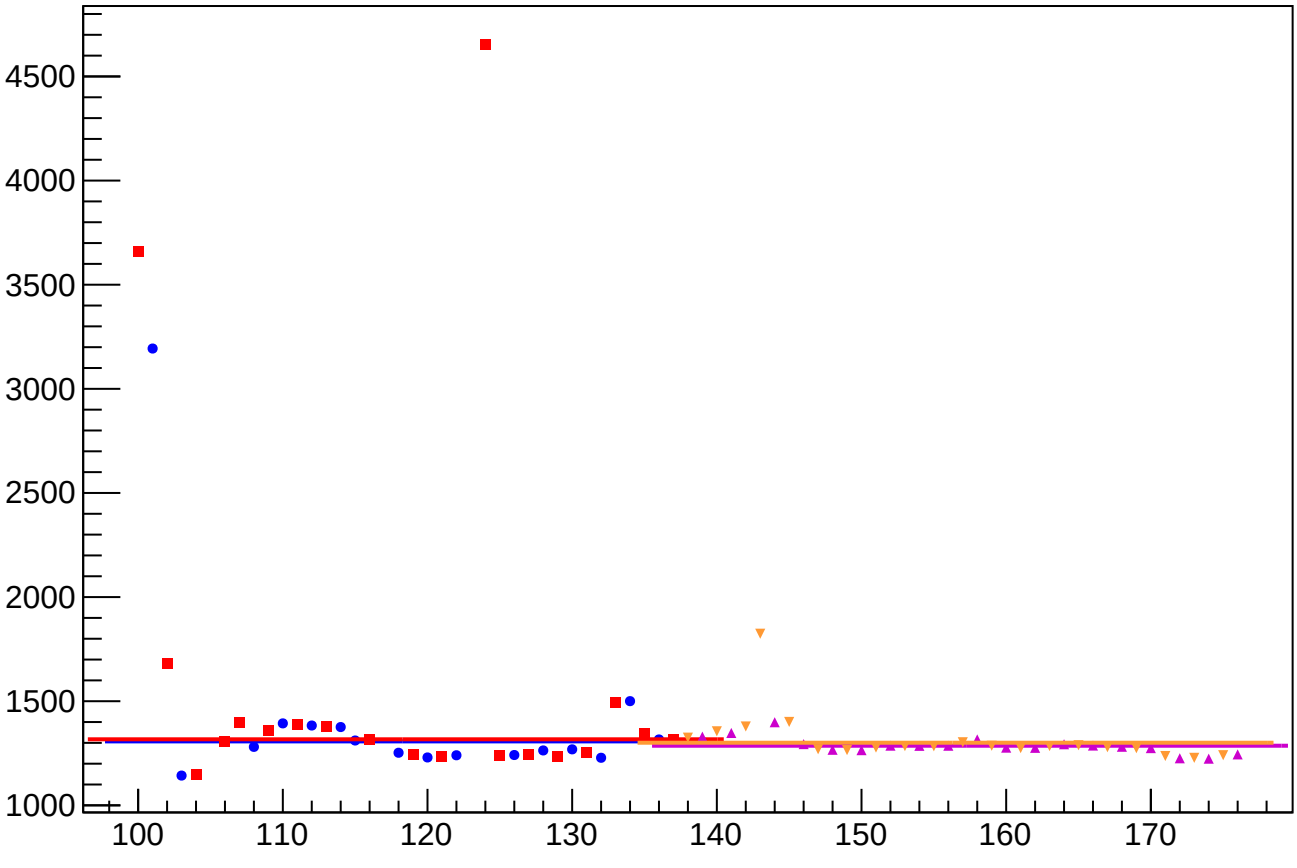
Left: 1935.551+/-231.141 χ^2/NDF: 53.6/38

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2576.387+/-272.576 χ^2/NDF:30.7/34

Out: 1467.021+/-272.984 χ^2/NDF:44.6/38

All: 2022.533+/-192.885 χ^2/NDF: 83.6/73



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1300.691+/-0.231 χ^2/NDF:168297.0/19

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1293.446+/-0.163 χ^2/NDF: 199490.1/38

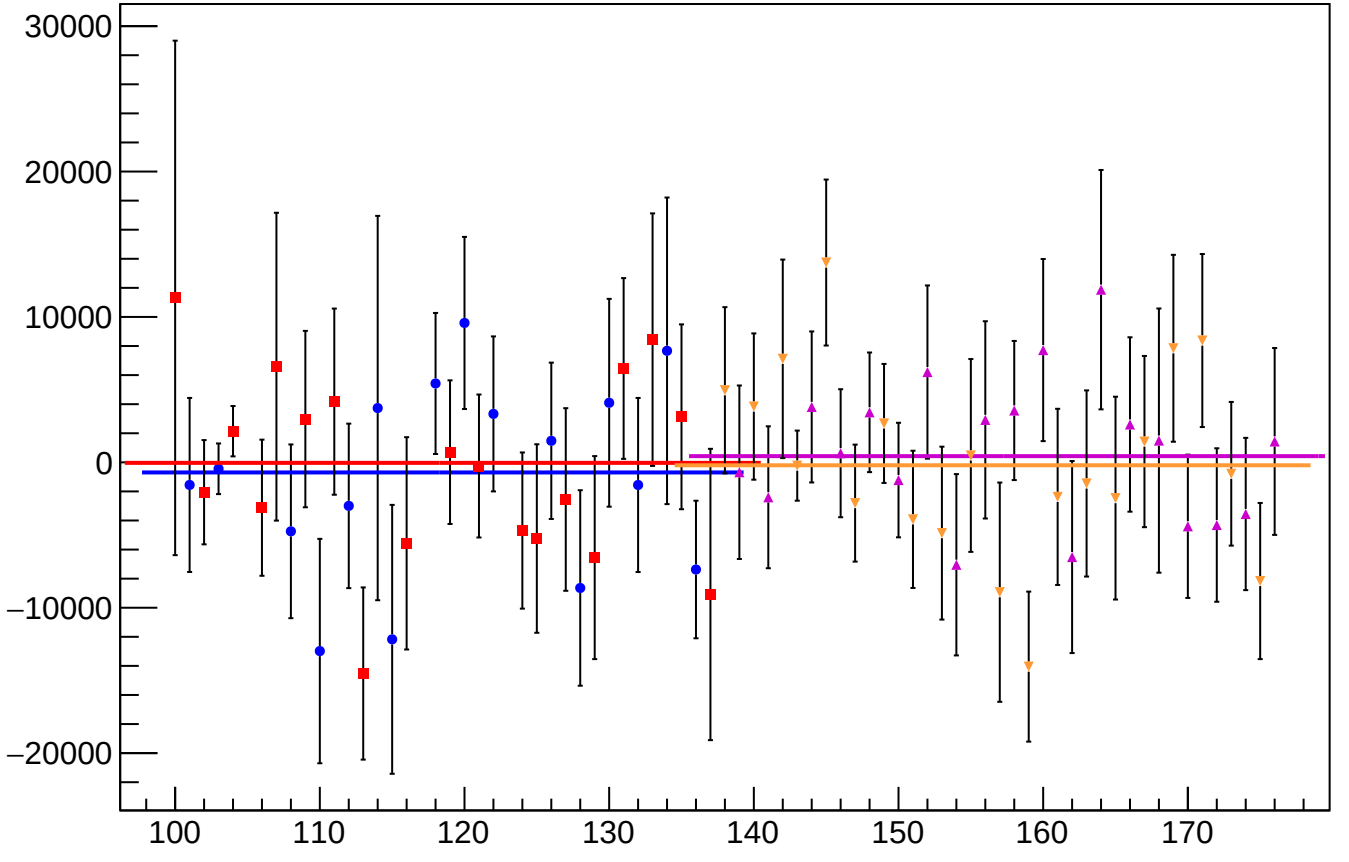
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1292.546+/-0.193 χ^2/NDF:547954.3/34

Out: 1305.709+/-0.193 χ^2/NDF:495763.4/38

All: 1299.122+/-0.136 χ^2/NDF: 1046047.6/73

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -202.390+/-1120.820 χ^2/NDF:25.5/19

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 426.311+/-1247.599 χ^2/NDF:11.4/18

Left: 78.403+/-833.769 χ^2/NDF: 37.0/38

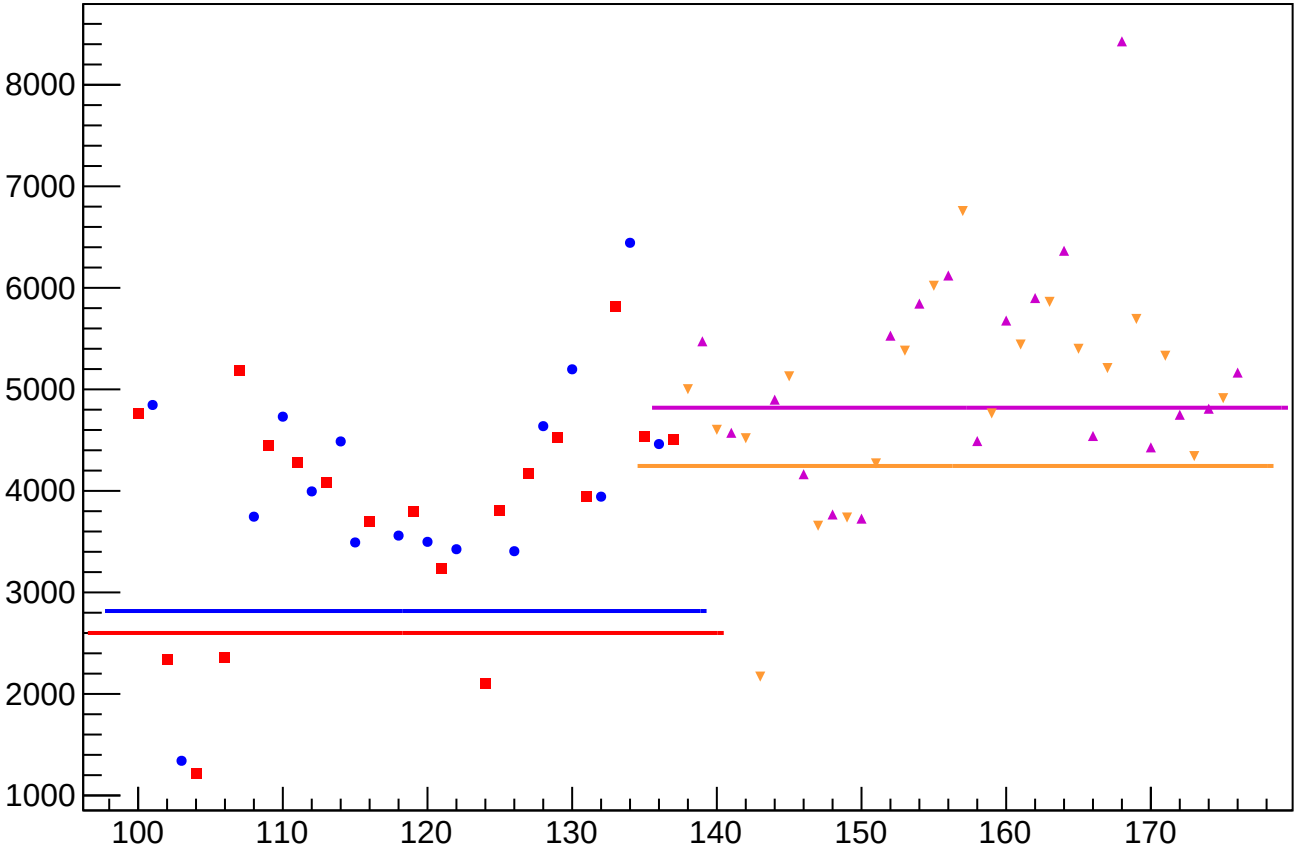
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -164.524+/-858.219 χ^2/NDF:26.5/34

Out: -117.558+/-784.422 χ^2/NDF:41.4/38

All: -138.936+/-579.005 χ^2/NDF: 67.9/73

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4245.549+/-0.793 χ^2/NDF:2623069.0/19

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

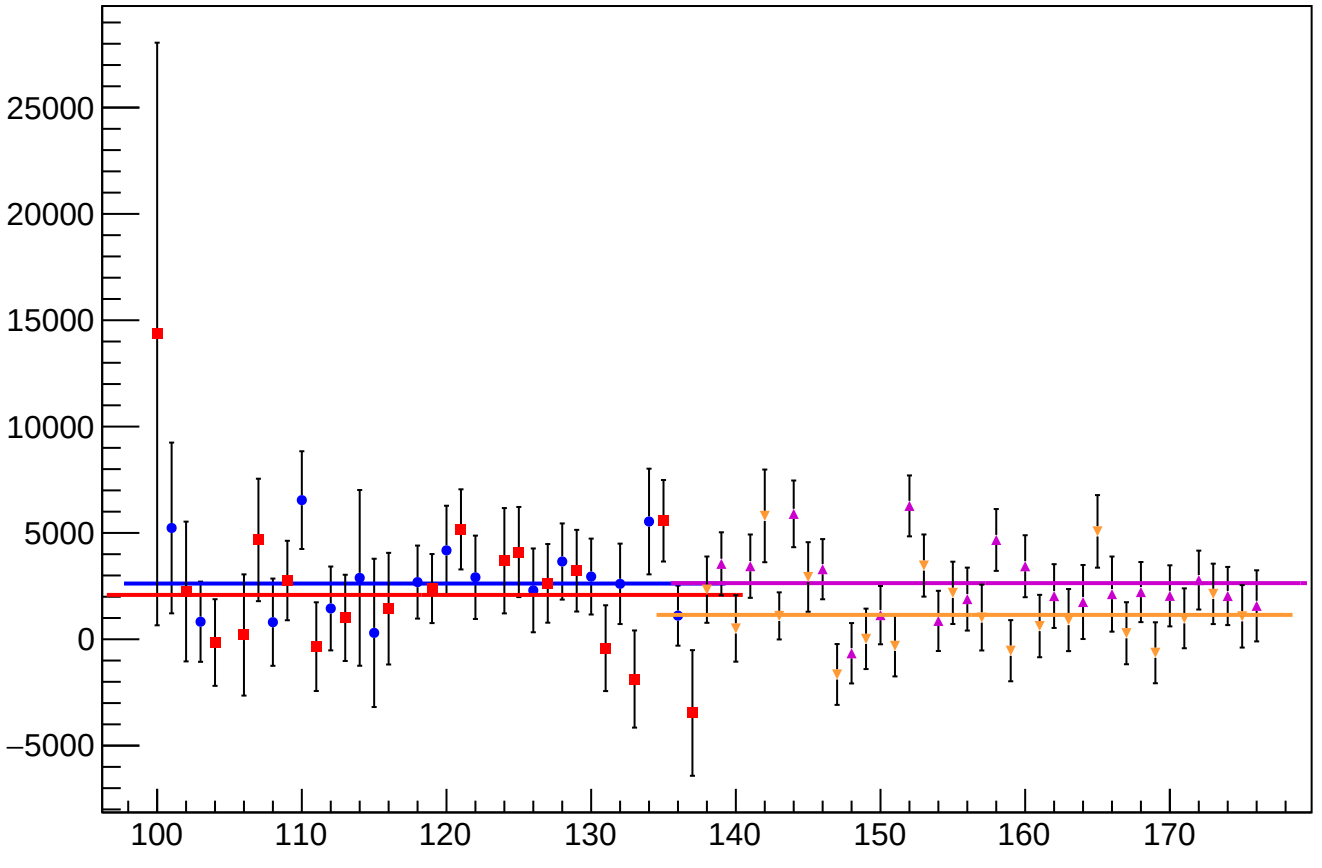
Left: 4501.780+/-0.590 χ^2/NDF: 3881318.7/38

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3764.357+/-0.607 χ^2/NDF:6746075.5/34

Out: 3406.275+/-0.555 χ^2/NDF:7901877.3/38

All: 3569.261+/-0.409 χ^2/NDF: 14837651.7/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.647+/-329.268 χ^2/NDF:24.2/19

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2640.240+/-338.554 χ^2/NDF:23.7/18

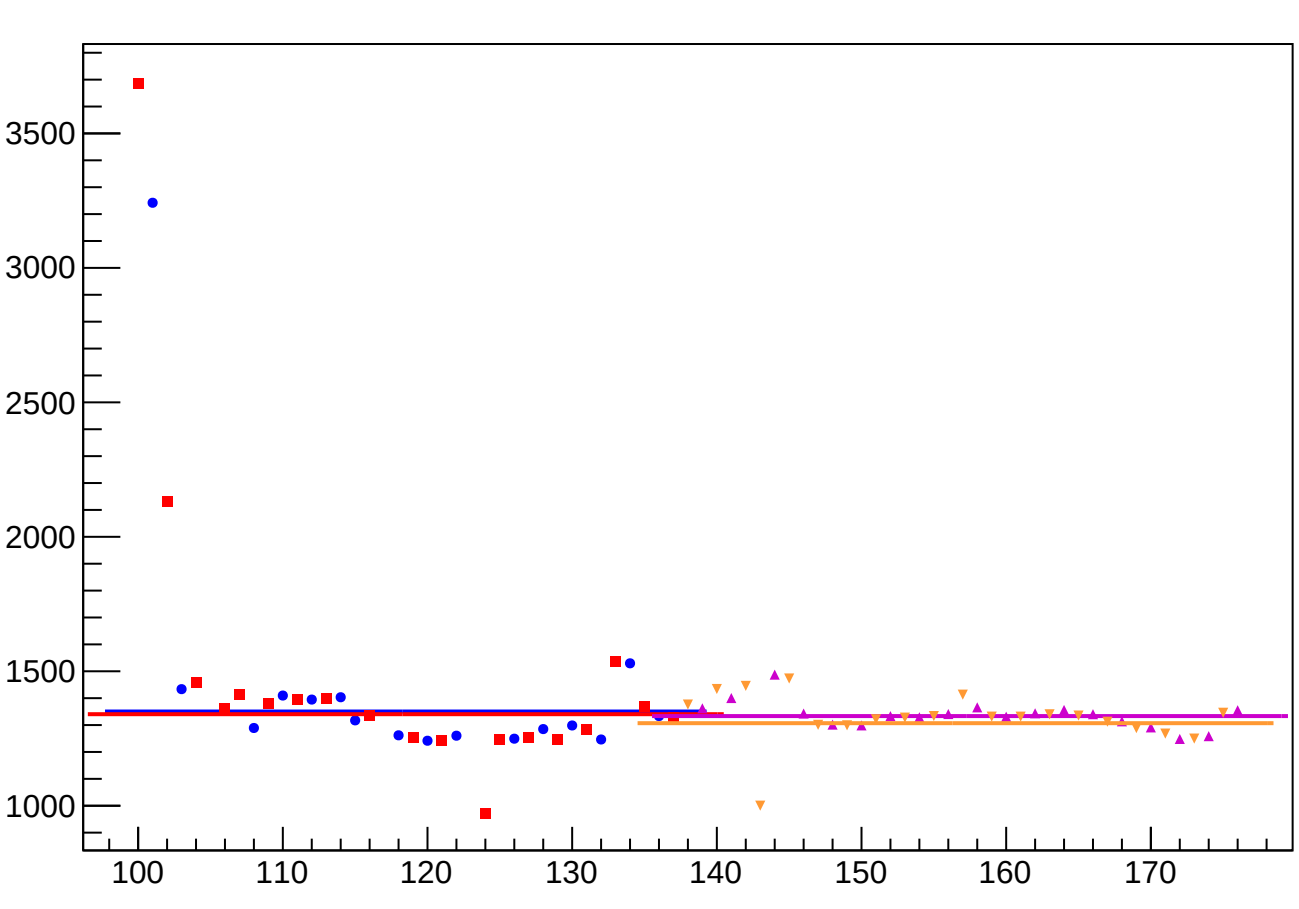
Left: 1872.679+/-236.042 χ^2/NDF: 57.9/38

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2634.238+/-282.317 χ^2/NDF:33.0/34

Out: 1426.844+/-275.798 χ^2/NDF:47.6/38

All: 2016.438+/-197.283 χ^2/NDF: 90.0/73



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219373.0/19

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1333.422+/-0.239 χ^2/NDF:43987.2/18

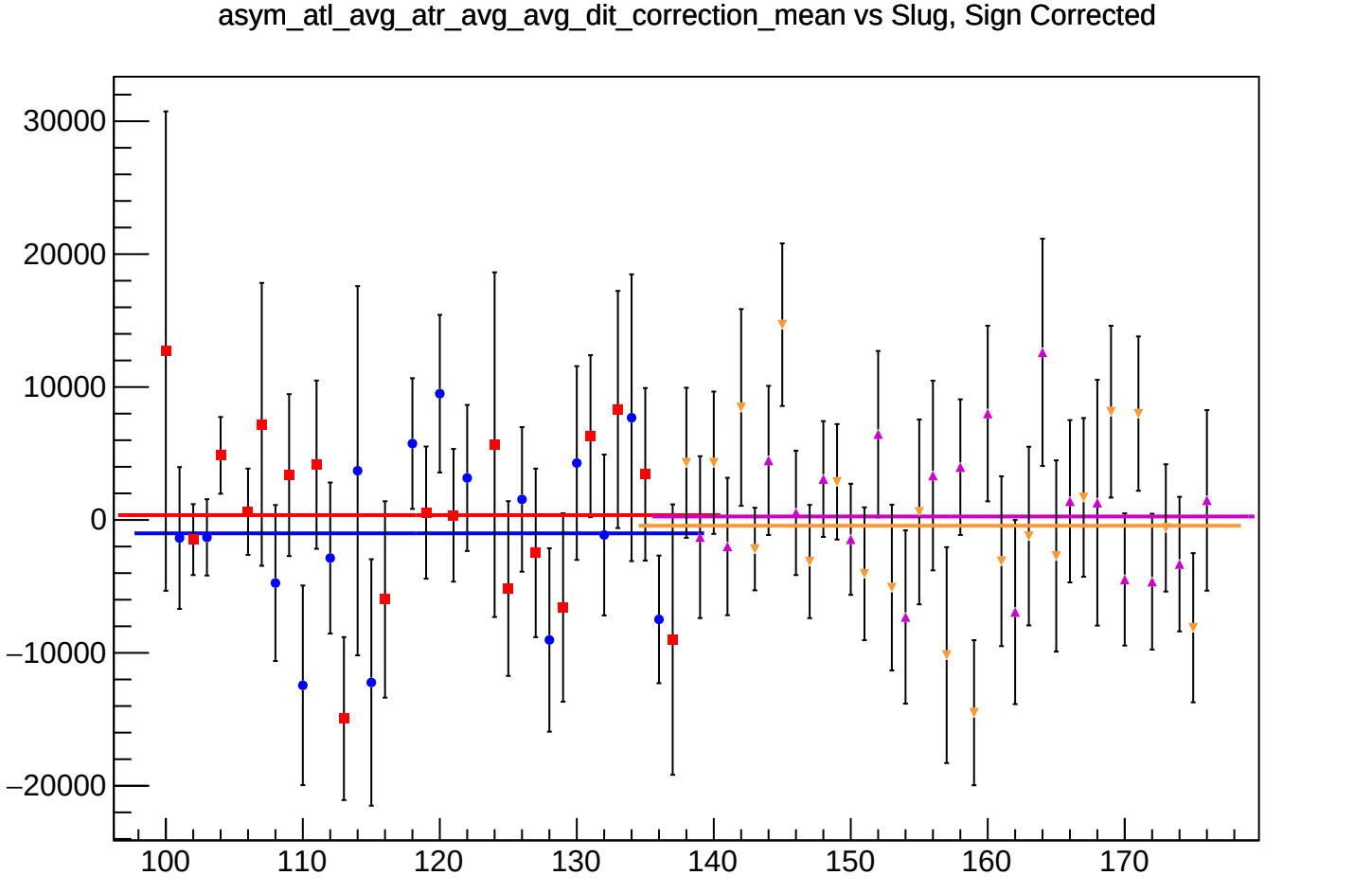
Left: 1319.850+/-0.167 χ^2/NDF: 269614.9/38

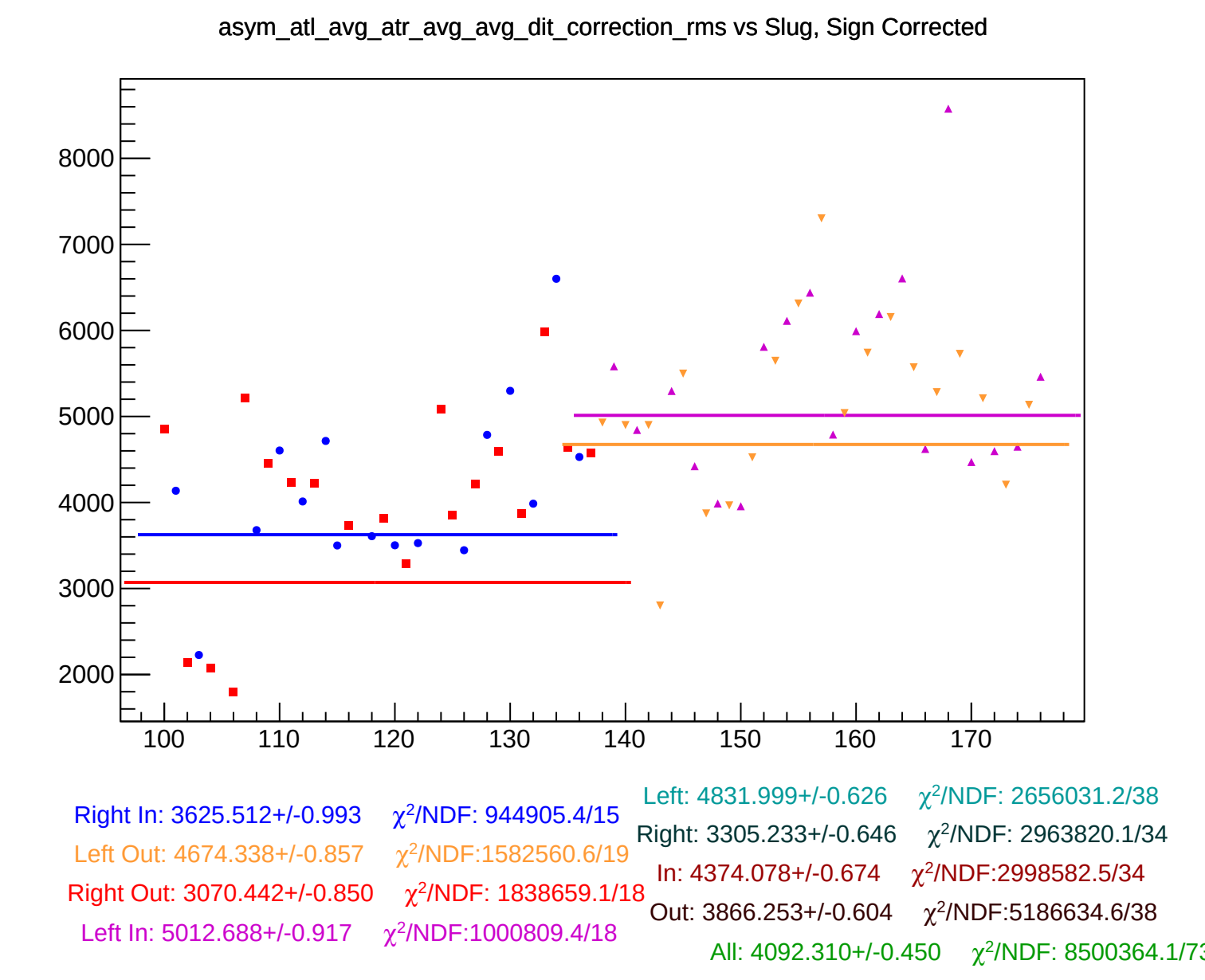
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

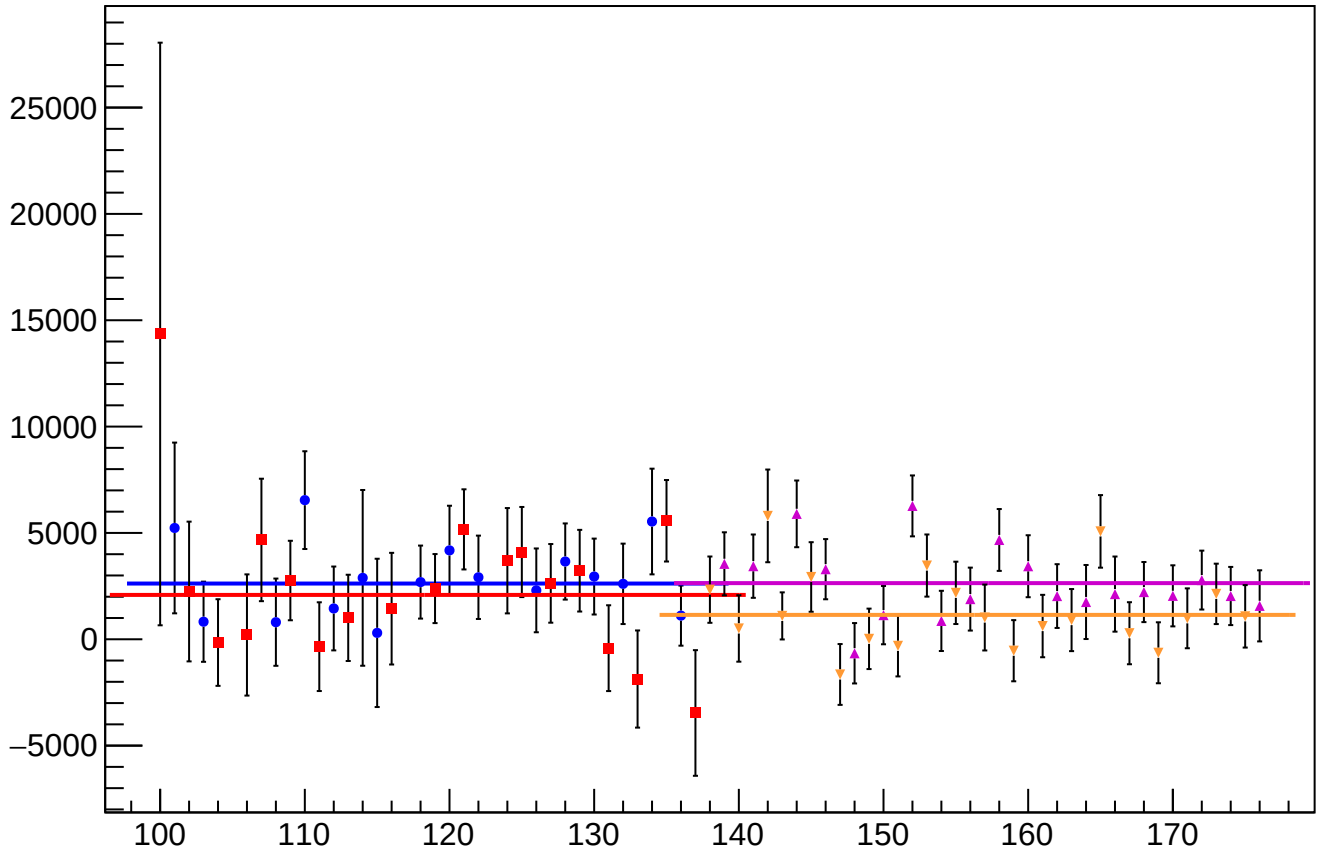
In: 1338.585+/-0.200 χ^2/NDF:539564.9/34

Out: 1316.992+/-0.195 χ^2/NDF:497709.2/38

All: 1327.534+/-0.139 χ^2/NDF: 1043261.3/73


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: -432.880+/-1211.737 χ²/NDF:25.7/19
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 262.152+/-1297.214 χ²/NDF:11.4/18
Left: -109.015+/-885.505 χ²/NDF: 37.2/38
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -322.009+/-952.930 χ²/NDF:26.4/34
Out: -31.142+/-853.542 χ²/NDF:42.1/38
All: -160.621+/-635.790 χ²/NDF: 68.6/73


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: 4674.338+/-0.857 χ²/NDF:1582560.6/19
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5012.688+/-0.917 χ²/NDF:1000809.4/18
Left: 4831.999+/-0.626 χ²/NDF: 2656031.2/38
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4374.078+/-0.674 χ²/NDF:2998582.5/34
Out: 3866.253+/-0.604 χ²/NDF:5186634.6/38
All: 4092.310+/-0.450 χ²/NDF: 8500364.1/73



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1146.642+/-329.268 χ^2/NDF:24.2/19

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2640.242+/-338.555 χ^2/NDF:23.7/18

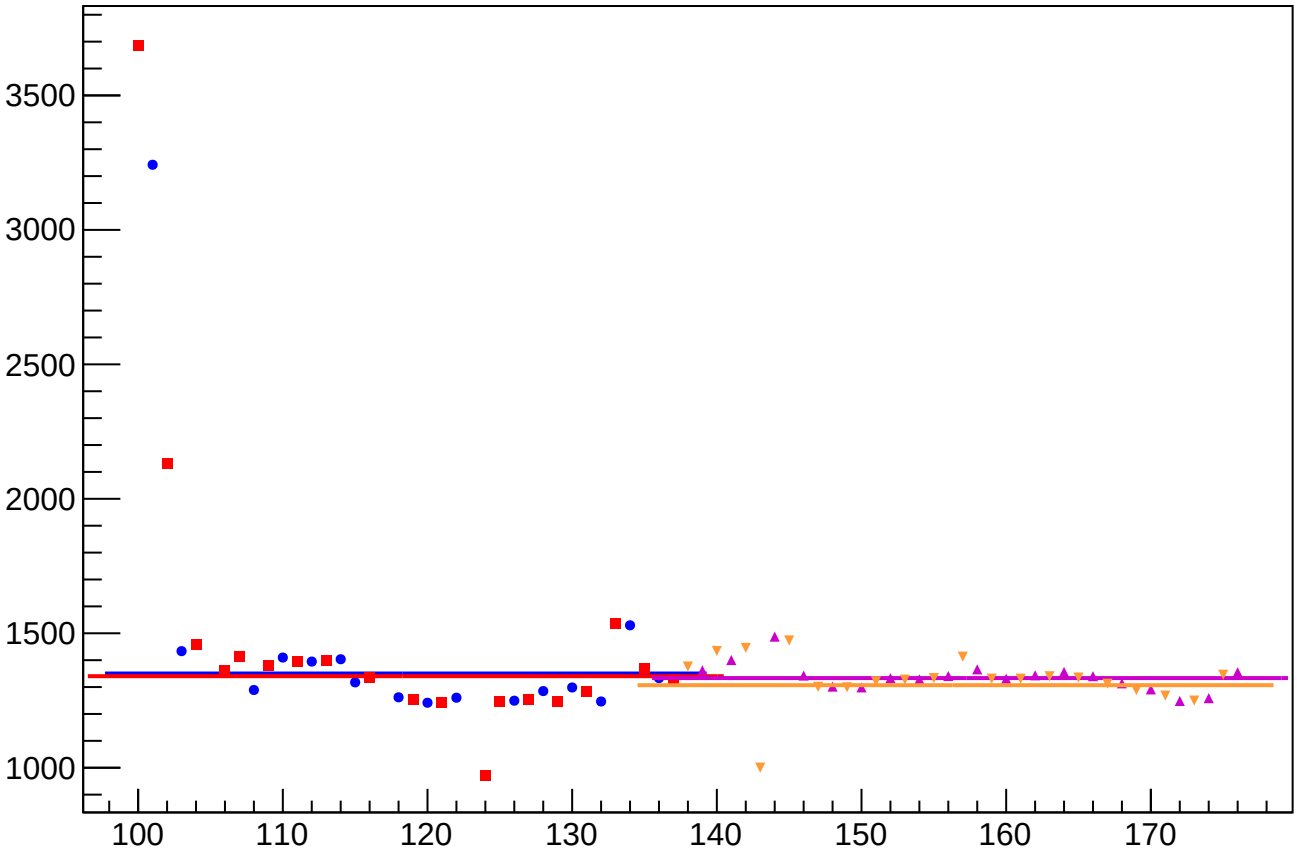
Left: 1872.677+/-236.043 χ^2/NDF: 57.9/38

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2634.239+/-282.318 χ^2/NDF:33.0/34

Out: 1426.842+/-275.798 χ^2/NDF:47.6/38

All: 2016.438+/-197.283 χ^2/NDF: 90.0/73



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1307.012+/-0.233 χ^2/NDF:219374.3/19

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1333.423+/-0.239 χ^2/NDF:43988.6/18

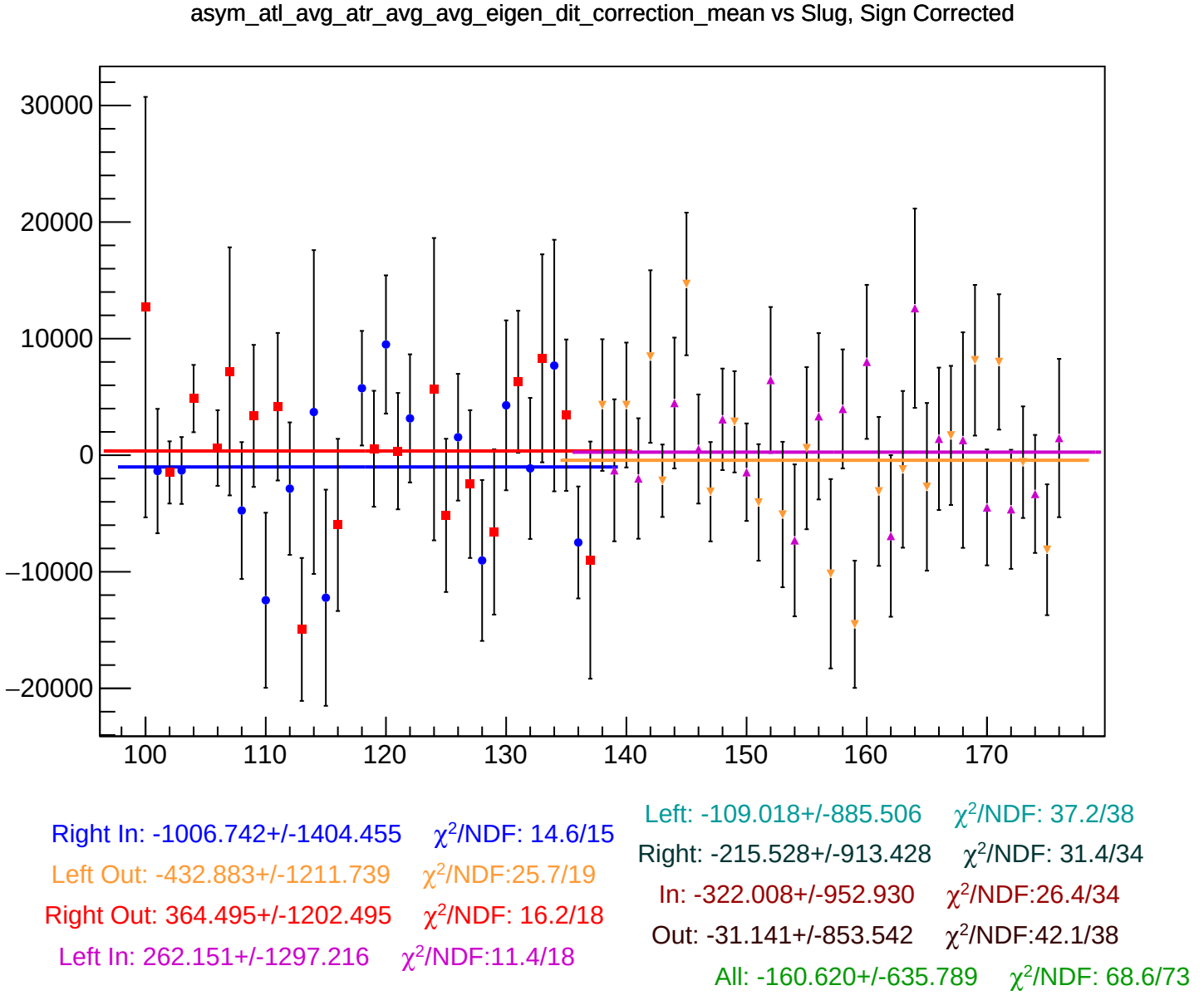
Left: 1319.851+/-0.167 χ^2/NDF: 269617.7/38

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

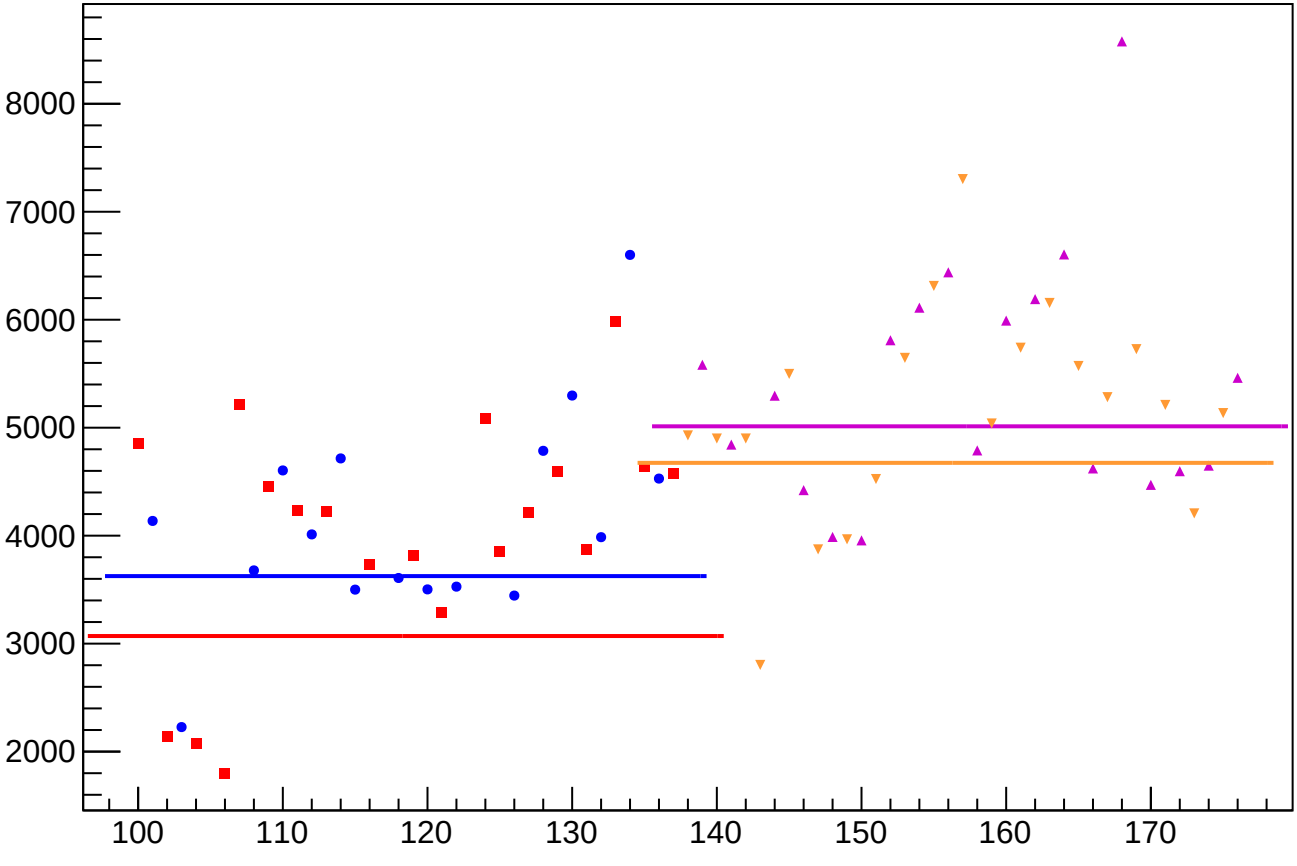
In: 1338.585+/-0.200 χ^2/NDF:539566.1/34

Out: 1316.993+/-0.195 χ^2/NDF:497709.0/38

All: 1327.535+/-0.139 χ^2/NDF: 1043262.4/73


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: -432.883+/-1211.739 χ²/NDF:25.7/19
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 262.151+/-1297.216 χ²/NDF:11.4/18
Left: -109.018+/-885.506 χ²/NDF: 37.2/38
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -322.008+/-952.930 χ²/NDF:26.4/34
Out: -31.141+/-853.542 χ²/NDF:42.1/38
All: -160.620+/-635.789 χ²/NDF: 68.6/73

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4674.346+/-0.857 χ^2/NDF:1582560.8/19

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5012.695+/-0.917 χ^2/NDF:1000811.1/18

Left: 4832.007+/-0.626 χ^2/NDF: 2656032.9/38

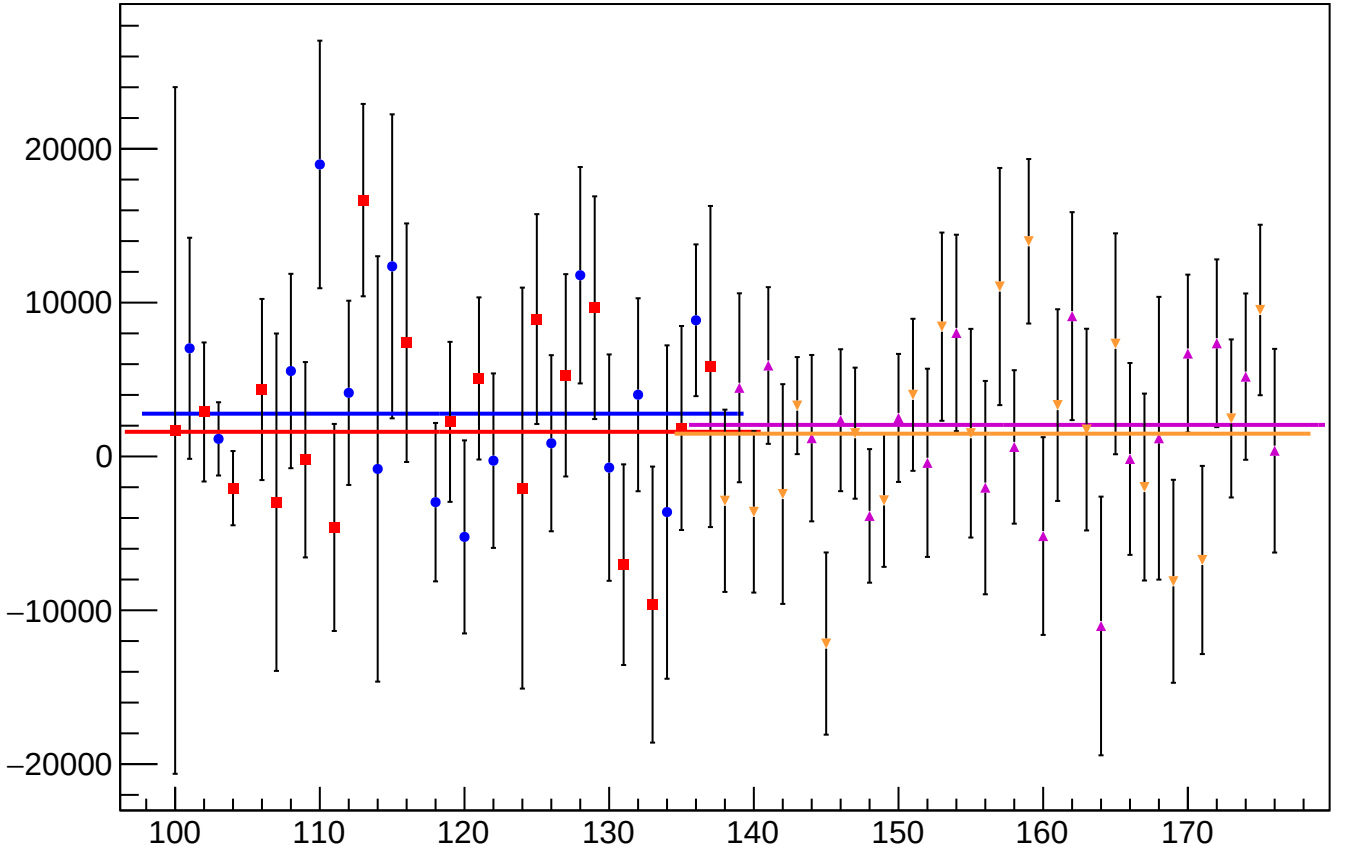
Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4374.075+/-0.674 χ^2/NDF:2998612.7/34

Out: 3866.249+/-0.604 χ^2/NDF:5186675.0/38

All: 4092.307+/-0.450 χ^2/NDF: 8500436.4/73

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1480.062+/-1213.645 χ^2/NDF:24.1/19

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2051.934+/-1295.559 χ^2/NDF:11.2/18

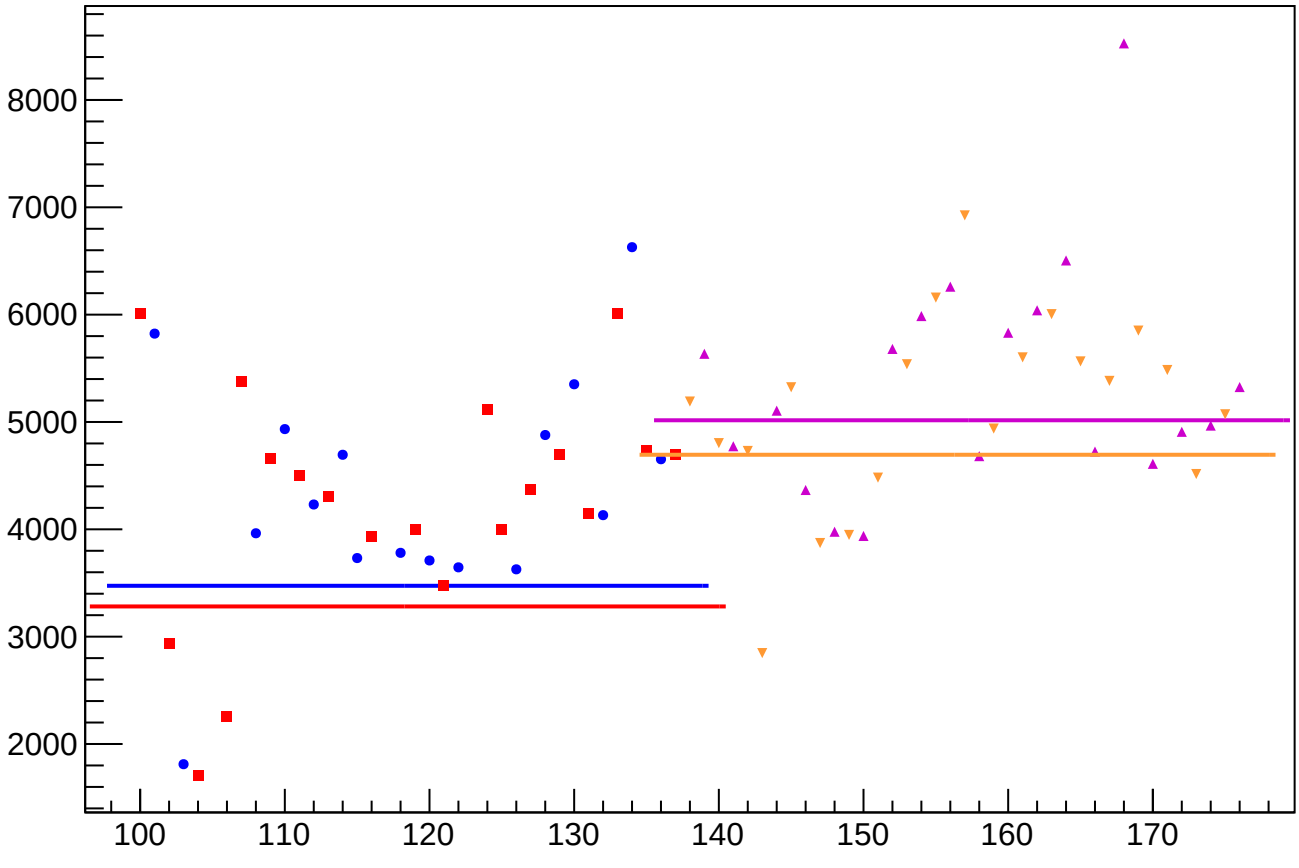
Left: 1747.349+/-885.720 χ^2/NDF: 35.4/38

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2390.950+/-947.551 χ^2/NDF:24.5/34

Out: 1535.430+/-898.635 χ^2/NDF:40.9/38

All: 1940.538+/-652.038 χ^2/NDF: 65.9/73



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4694.612+/-0.858 χ^2/NDF:1447996.2/19

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5015.916+/-0.916 χ^2/NDF:911825.3/18

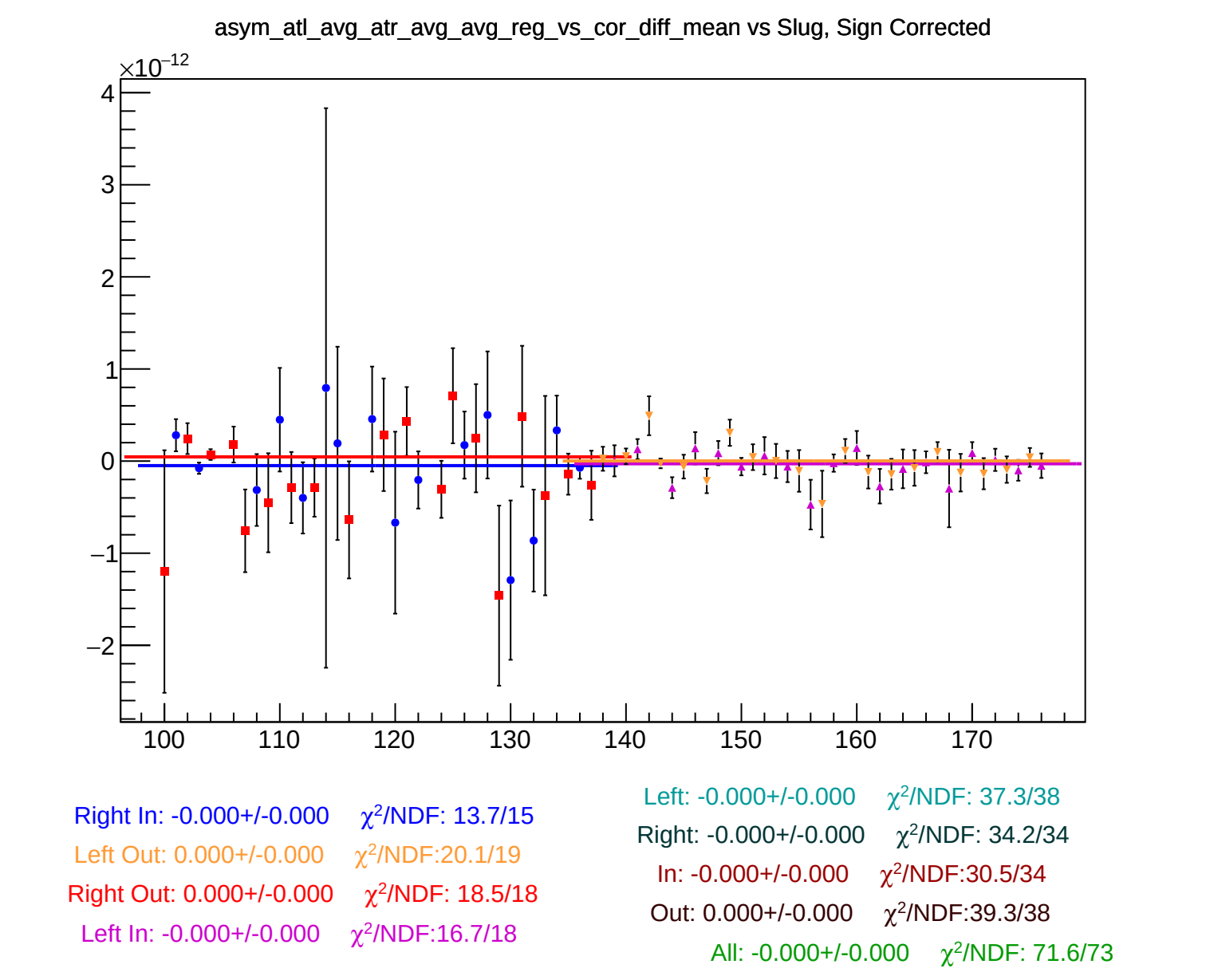
Left: 4844.786+/-0.626 χ^2/NDF: 2425338.9/38

Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

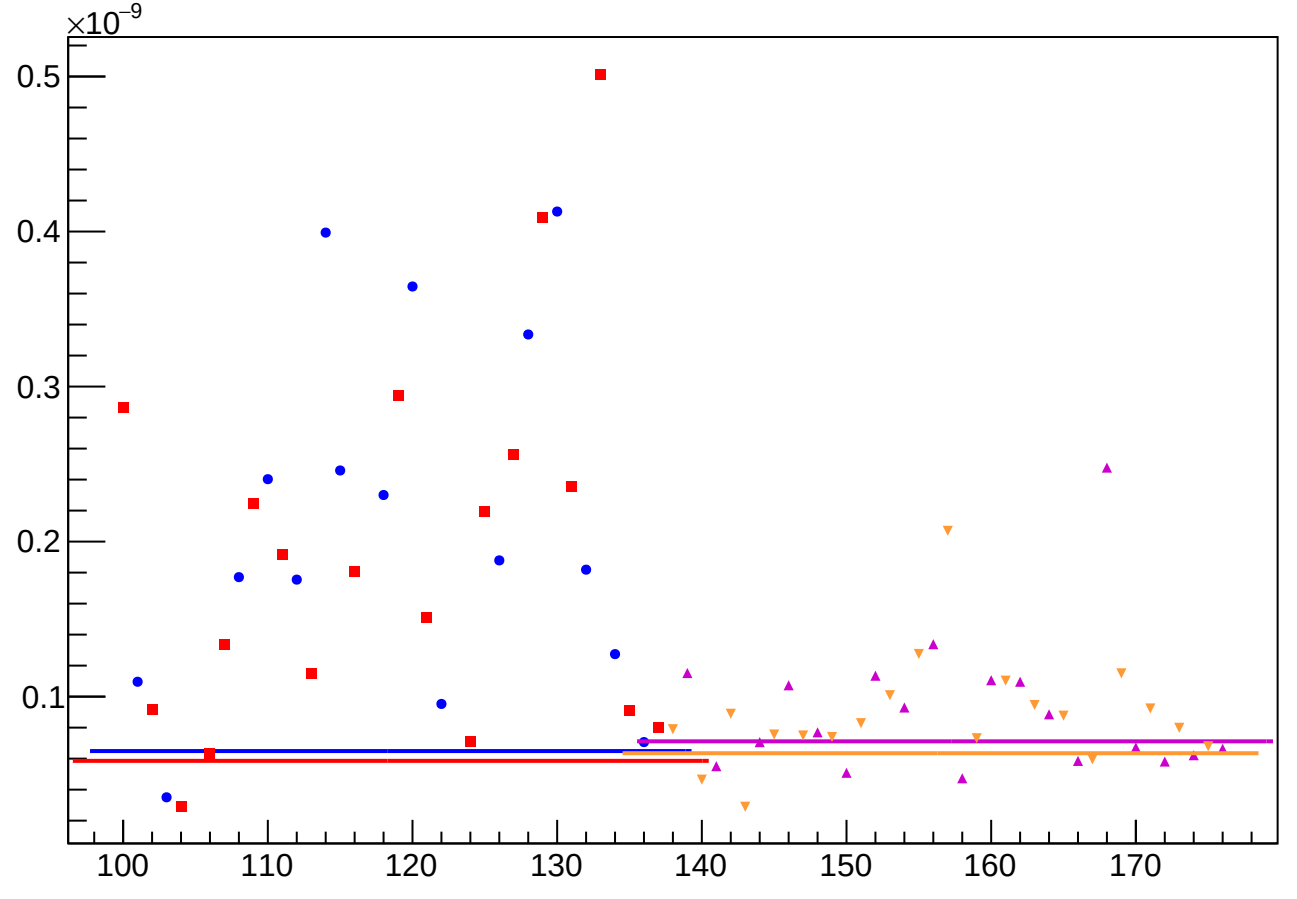
In: 4298.751+/-0.670 χ^2/NDF:4073511.6/34

Out: 4046.593+/-0.631 χ^2/NDF:4566910.2/38

All: 4165.209+/-0.460 χ^2/NDF: 8715431.9/73


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:20.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.7/18
Left: -0.000+/-0.000 χ²/NDF: 37.3/38
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.5/34
Out: 0.000+/-0.000 χ²/NDF:39.3/38
All: -0.000+/-0.000 χ²/NDF: 71.6/73

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2097566.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319668.0/18

Left: 0.000+/-0.000 χ^2/NDF: 3484016.7/38

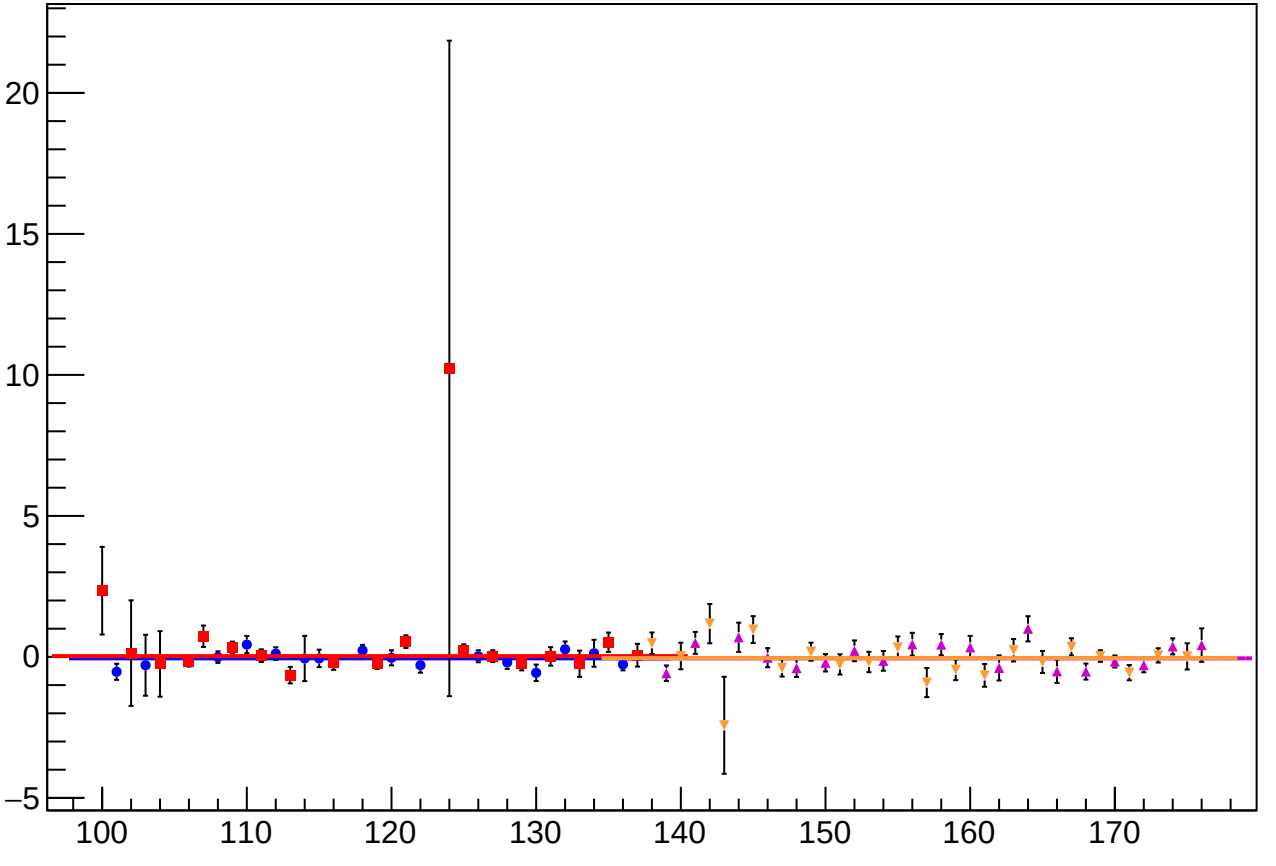
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3936159.1/34

Out: 0.000+/-0.000 χ^2/NDF:4968700.2/38

All: 0.000+/-0.000 χ^2/NDF: 8983444.3/73

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: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.047+/-0.055 χ^2/NDF: 55.2/38

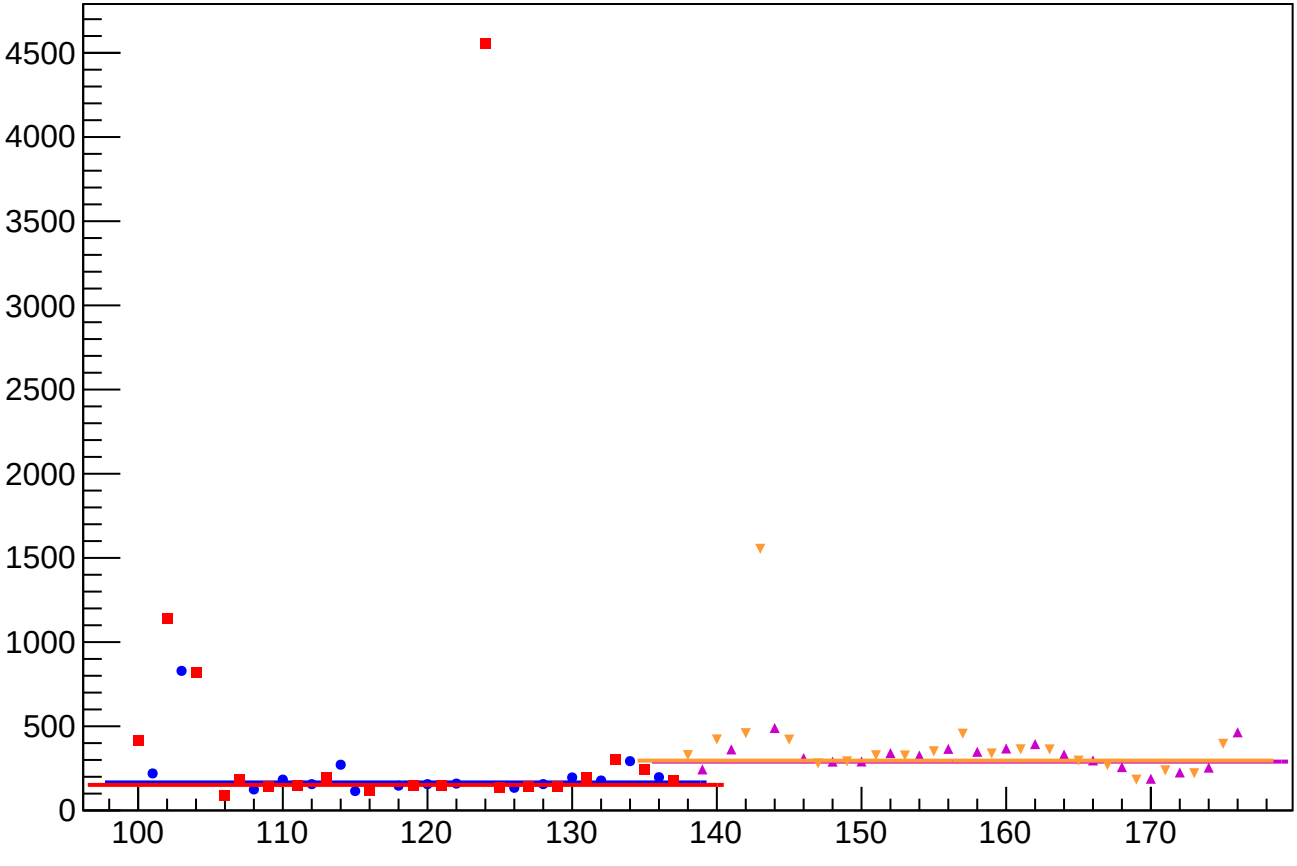
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.025+/-0.035 χ^2/NDF: 98.7/73

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: 295.930+/-0.056 χ^2/NDF:2860859.9/19

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

Left: 292.952+/-0.039 χ^2/NDF: 4491226.2/38

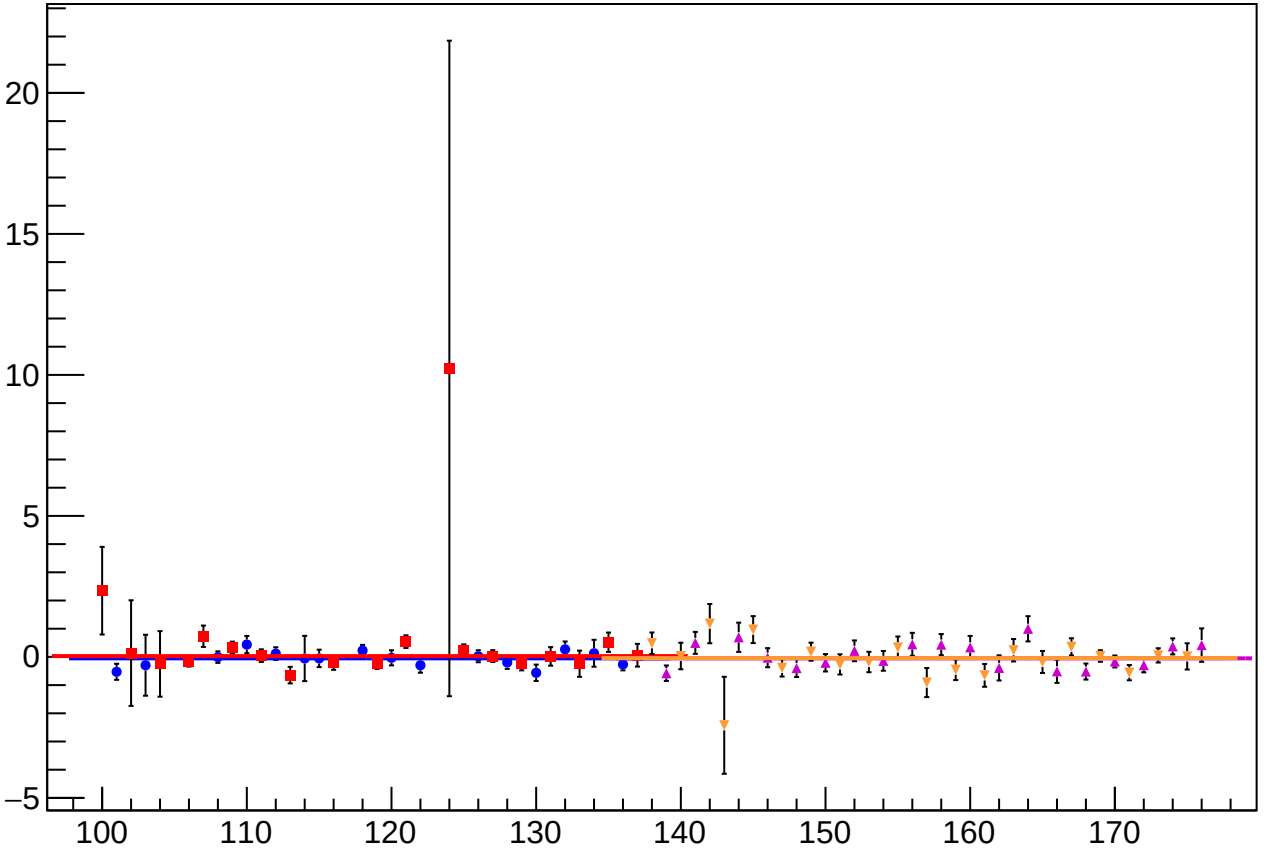
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 219.466+/-0.036 χ^2/NDF:5860377.5/34

Out: 208.664+/-0.035 χ^2/NDF:9176445.3/38

All: 214.000+/-0.025 χ^2/NDF: 15083266.0/73

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.047+/-0.055 χ^2/NDF: 55.2/38

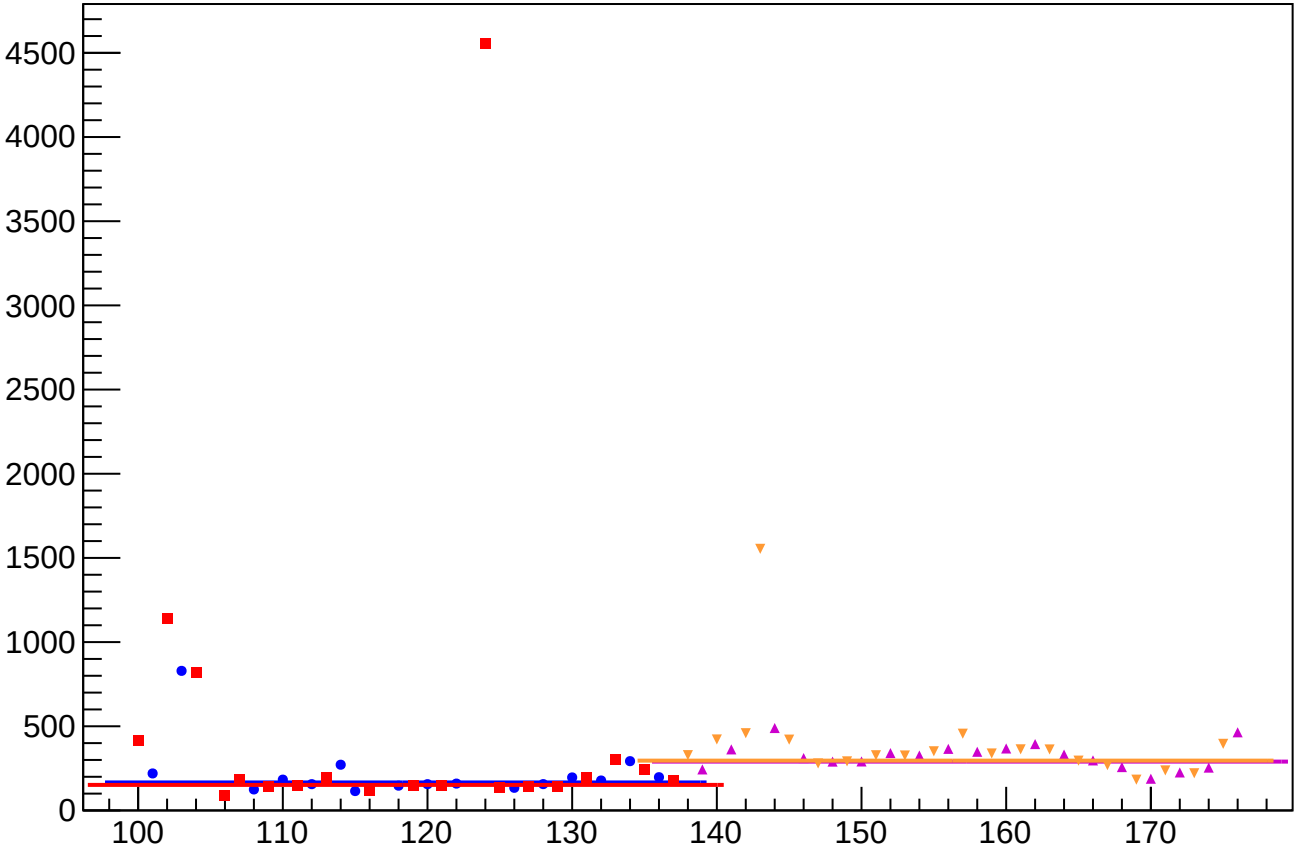
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.025+/-0.035 χ^2/NDF: 98.7/73

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: 295.930+/-0.056 χ^2/NDF:2860859.9/19

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

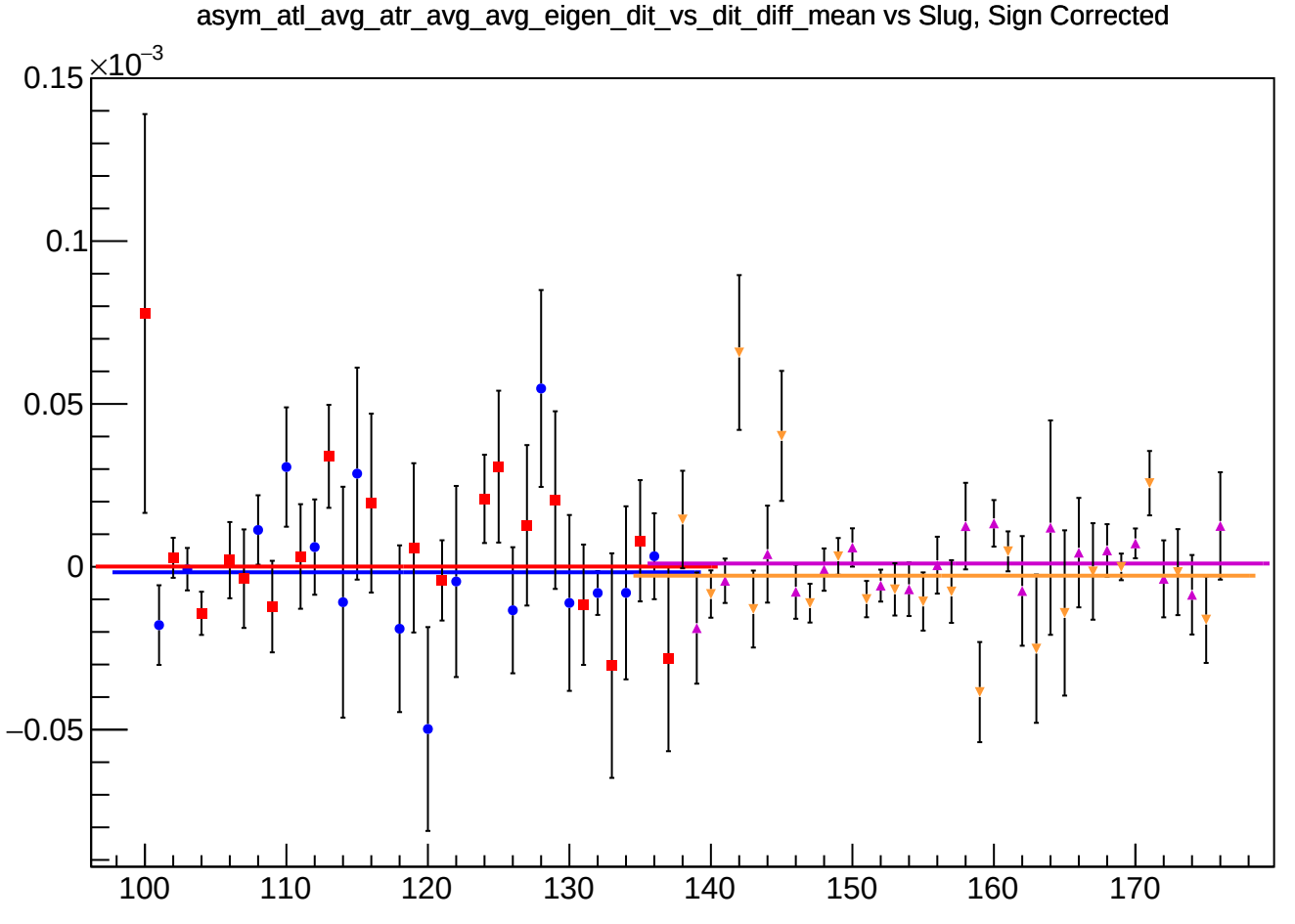
Left: 292.952+/-0.039 χ^2/NDF: 4491226.2/38

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 219.466+/-0.036 χ^2/NDF:5860377.5/34

Out: 208.664+/-0.035 χ^2/NDF:9176445.3/38

All: 214.000+/-0.025 χ^2/NDF: 15083266.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/18

Left: -0.000+/-0.000 χ^2/NDF: 55.7/38

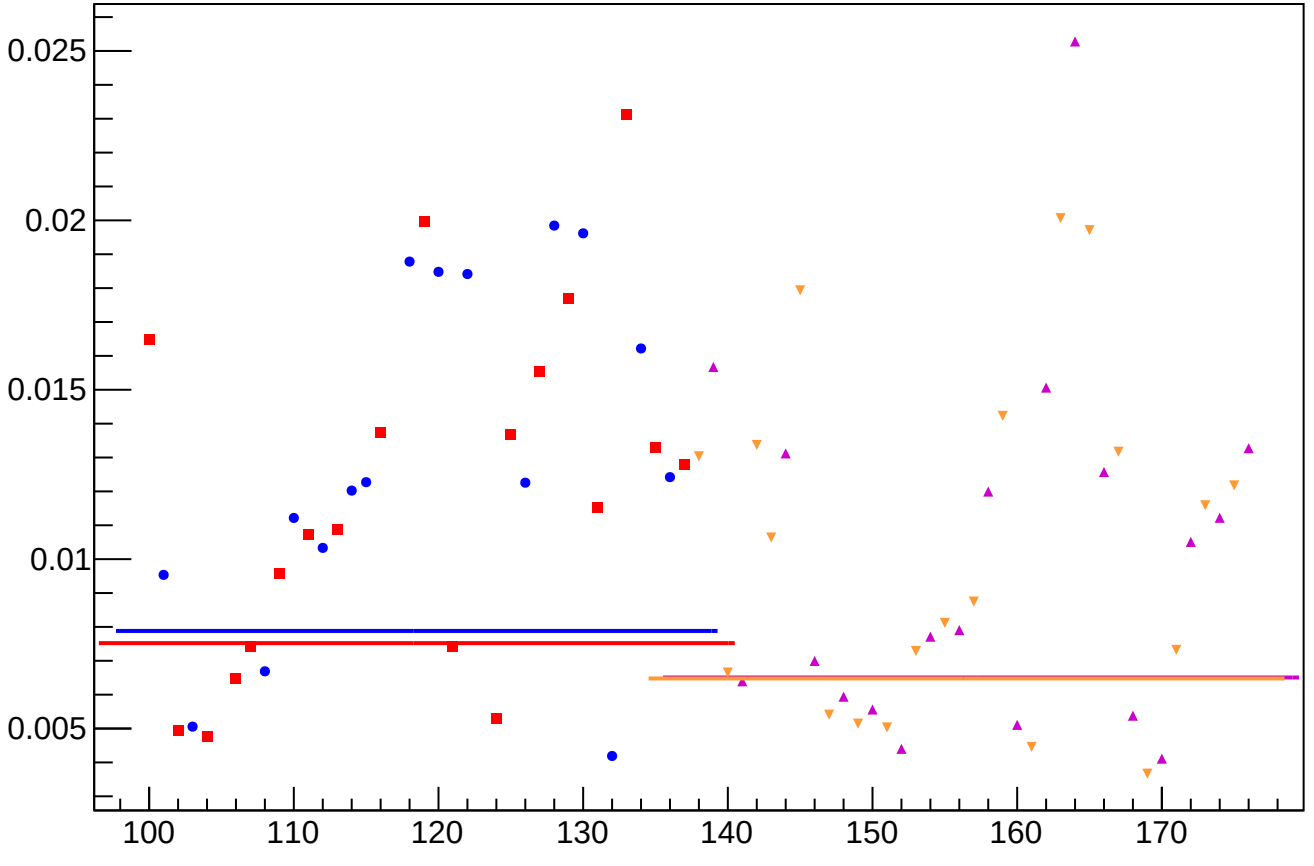
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: -0.000+/-0.000 χ^2/NDF:60.0/38

All: -0.000+/-0.000 χ^2/NDF: 91.2/73

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: 0.006+/-0.000 χ^2/NDF:5989767.1/19

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:4807516.3/18

Left: 0.006+/-0.000 χ^2/NDF: 10797510.8/38

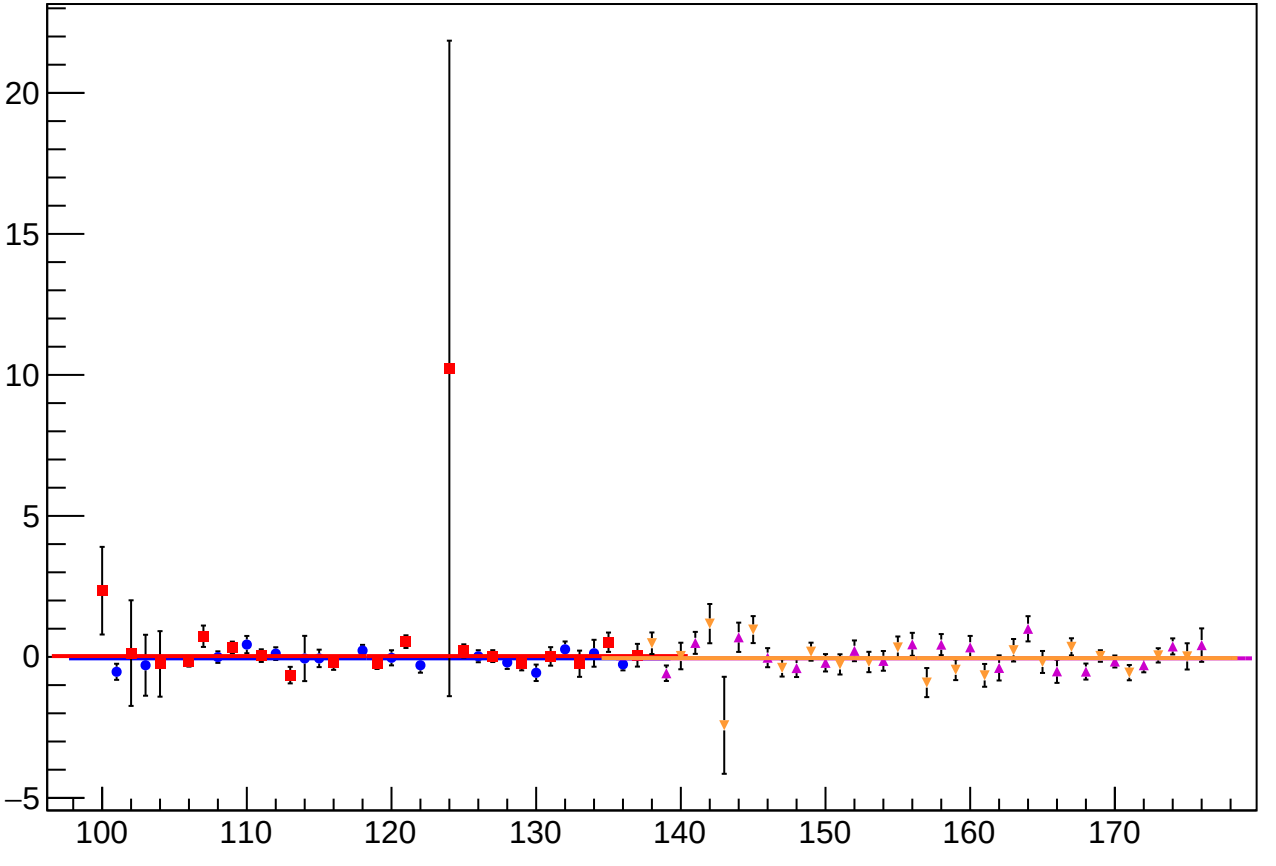
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8358906.8/34

Out: 0.007+/-0.000 χ^2/NDF:9128247.6/38

All: 0.007+/-0.000 χ^2/NDF: 17489523.1/73

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: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.047+/-0.055 χ^2/NDF: 55.2/38

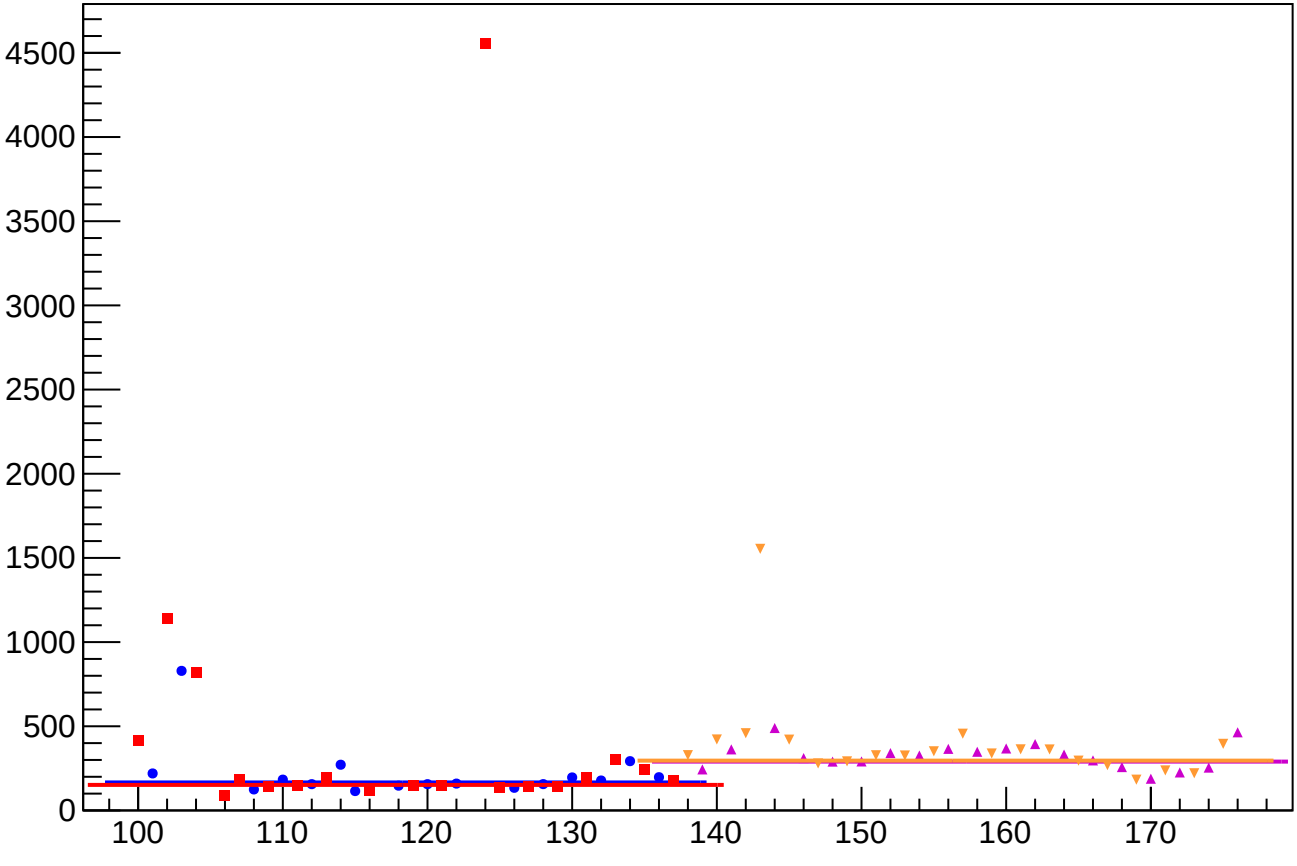
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.025+/-0.035 χ^2/NDF: 98.7/73

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: 295.930+/-0.056 χ^2/NDF:2861017.4/19

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

Left: 292.953+/-0.039 χ^2/NDF: 4491496.9/38

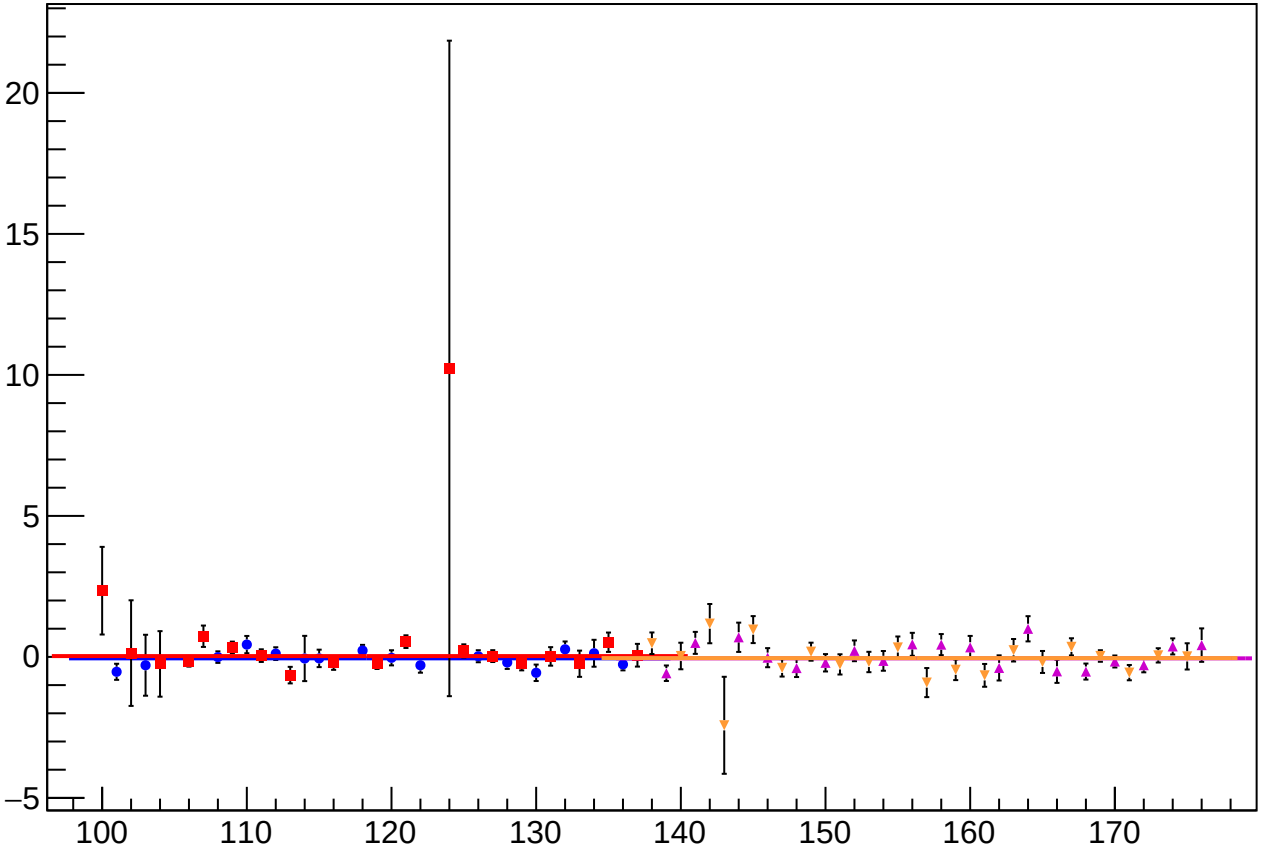
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 219.465+/-0.036 χ^2/NDF:5860568.4/34

Out: 208.663+/-0.035 χ^2/NDF:9176685.7/38

All: 213.998+/-0.025 χ^2/NDF: 15083705.9/73

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: -0.042+/-0.079 χ^2/NDF:27.3/19

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.047+/-0.055 χ^2/NDF: 55.2/38

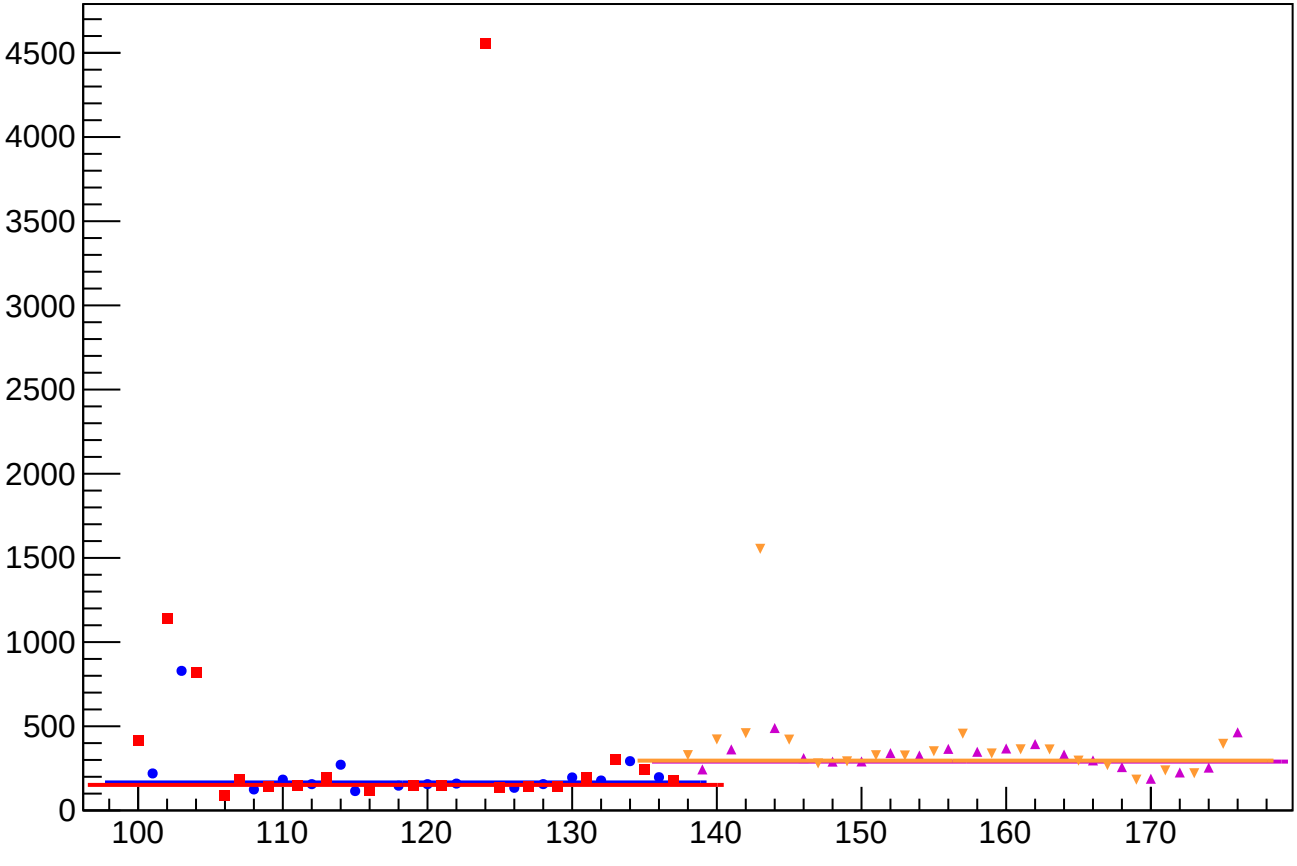
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.001+/-0.050 χ^2/NDF:55.3/38

All: -0.025+/-0.035 χ^2/NDF: 98.7/73

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: 295.930+/-0.056 χ^2/NDF:2861017.4/19

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

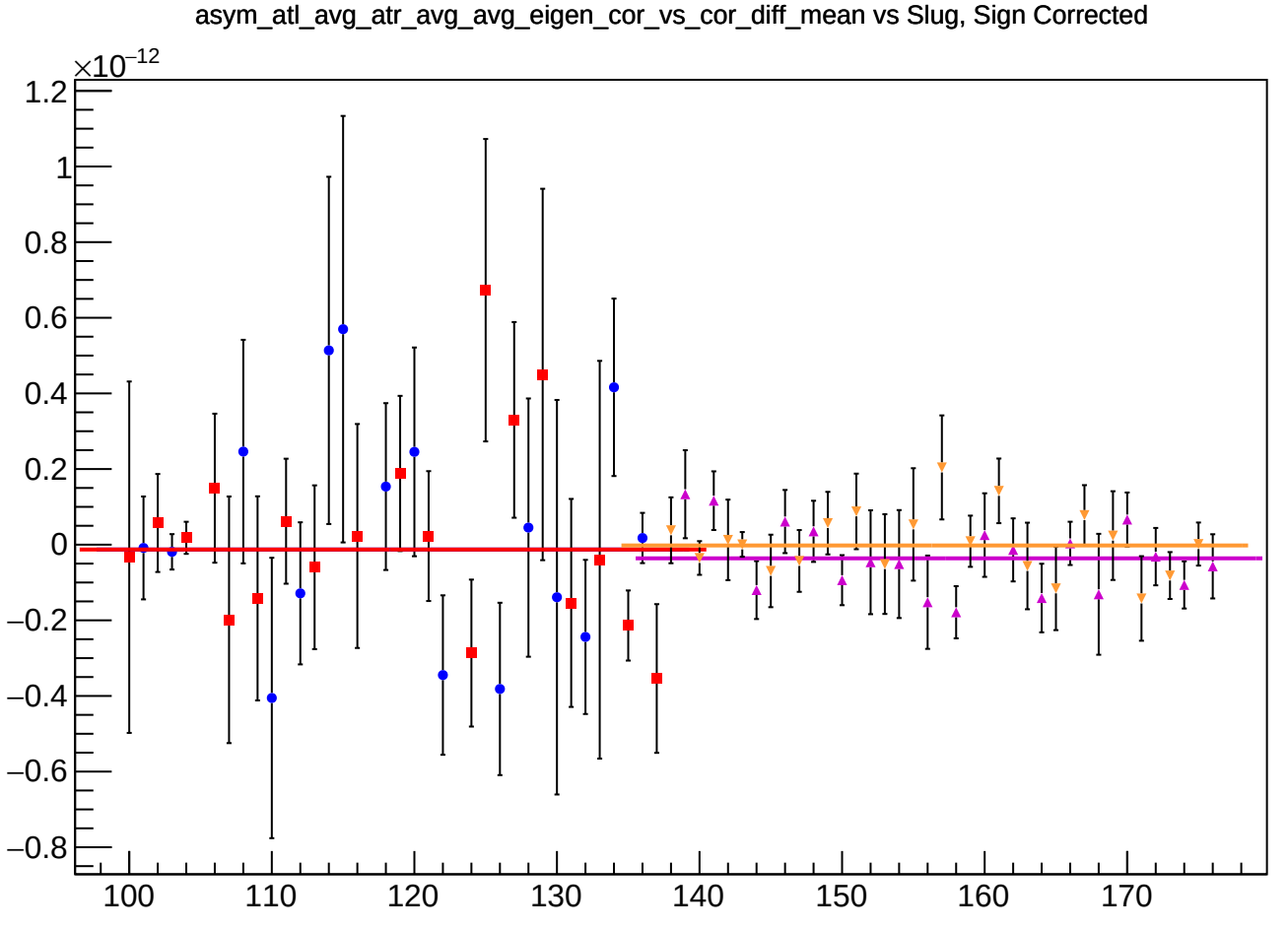
Left: 292.953+/-0.039 χ^2/NDF: 4491496.9/38

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 219.465+/-0.036 χ^2/NDF:5860568.4/34

Out: 208.663+/-0.035 χ^2/NDF:9176685.7/38

All: 213.998+/-0.025 χ^2/NDF: 15083705.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.2/18

Left: -0.000+/-0.000 χ^2/NDF: 36.9/38

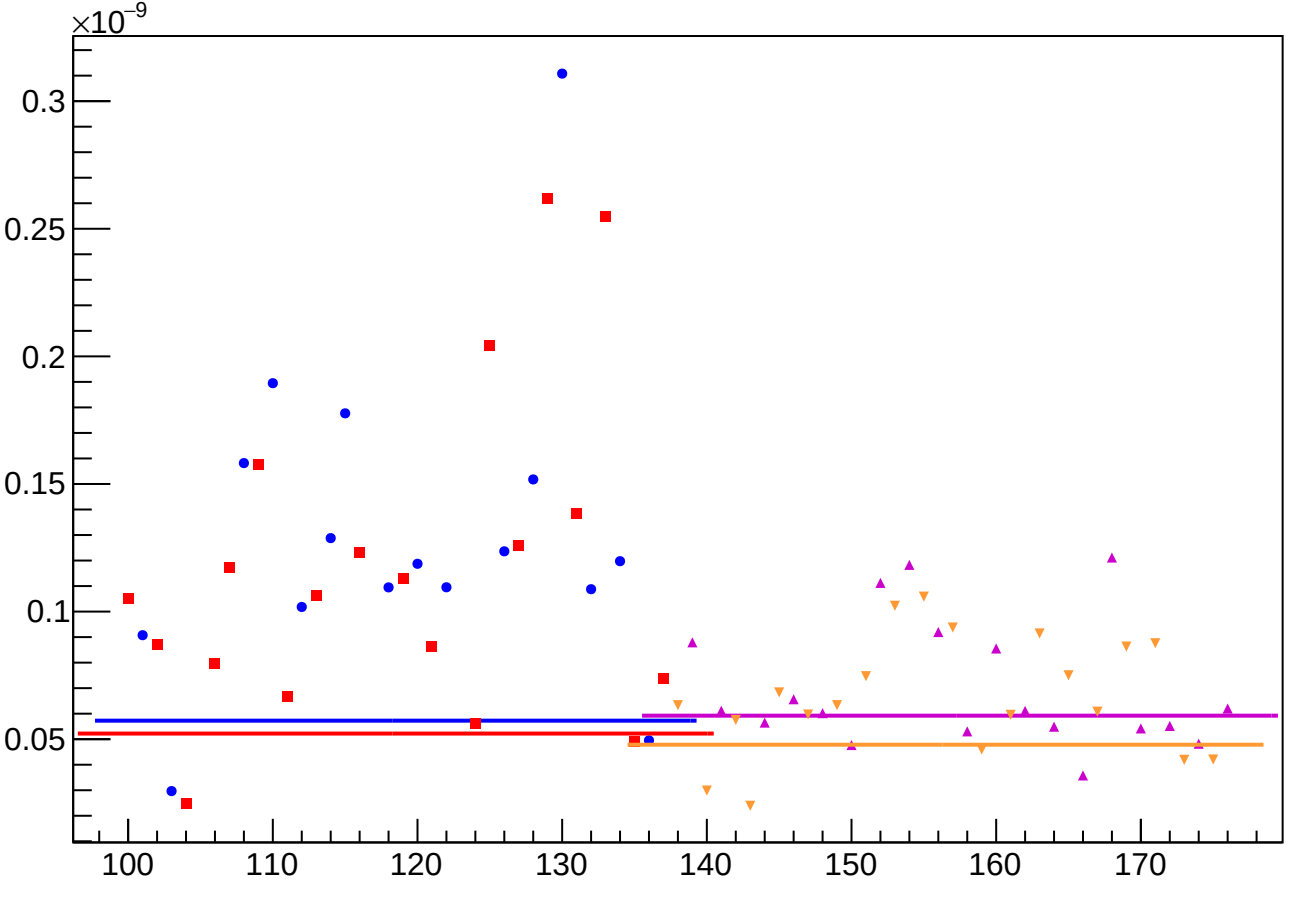
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:37.7/34

Out: -0.000+/-0.000 χ^2/NDF:32.8/38

All: -0.000+/-0.000 χ^2/NDF: 71.9/73

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:3706776.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1819773.0/18

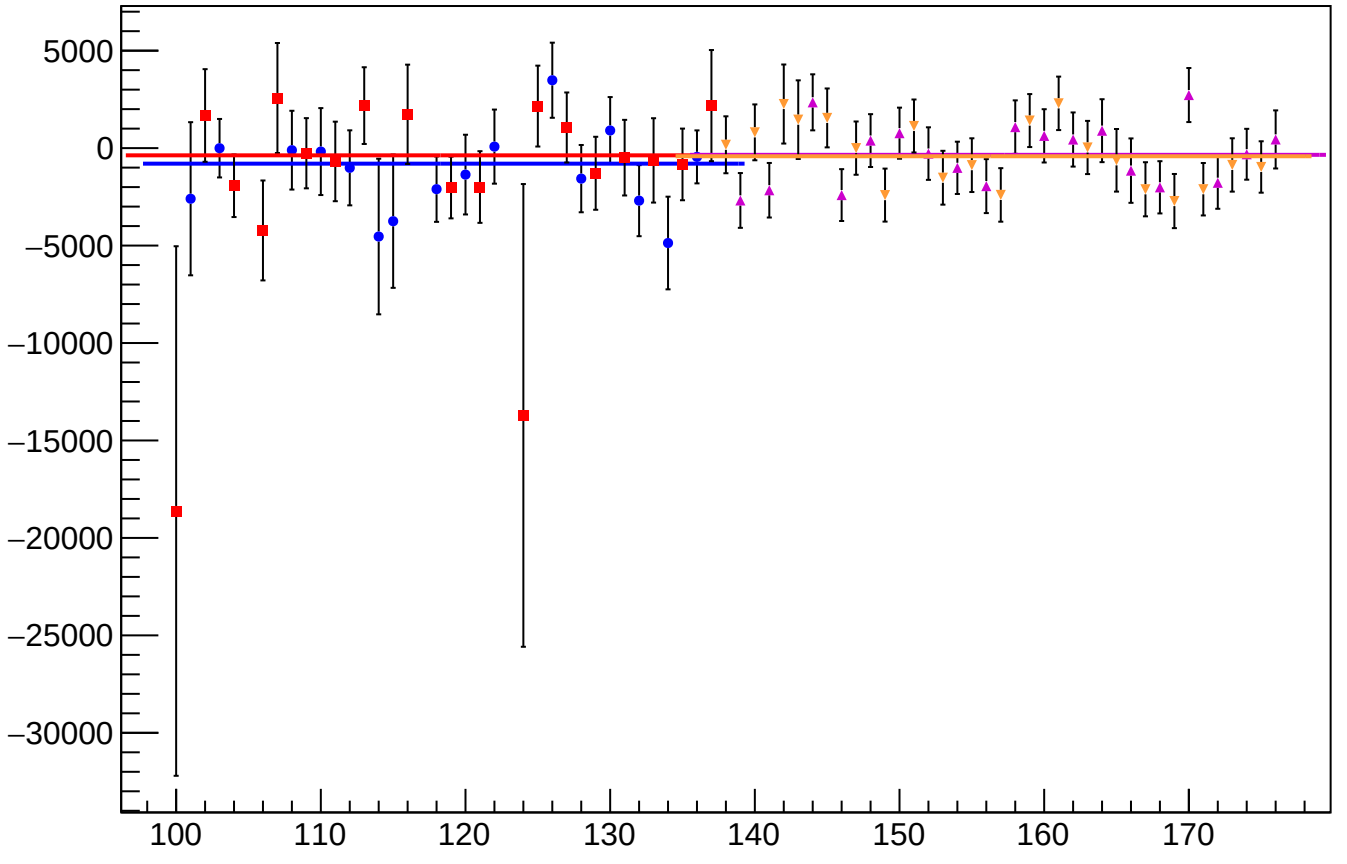
Left: 0.000+/-0.000 χ^2/NDF: 5937964.3/38

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4808203.9/34

Out: 0.000+/-0.000 χ^2/NDF:7024932.4/38

All: 0.000+/-0.000 χ^2/NDF: 12244534.3/73



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -344.707+/-318.942 χ^2/NDF:23.6/18

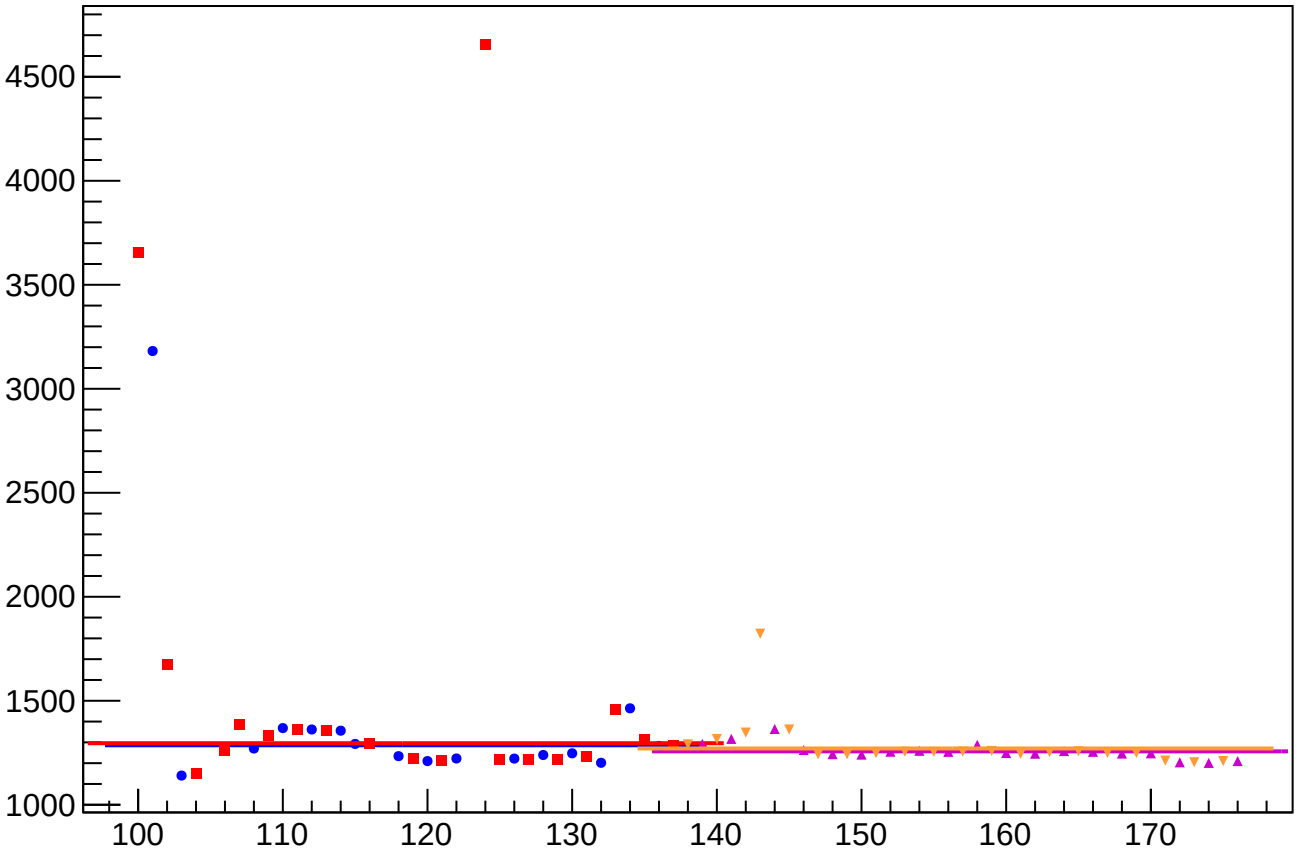
Left: -380.902+/-225.832 χ^2/NDF: 47.1/38

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -480.379+/-266.889 χ^2/NDF:37.6/34

Out: -402.999+/-267.127 χ^2/NDF:39.1/38

All: -441.723+/-188.803 χ^2/NDF: 76.8/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

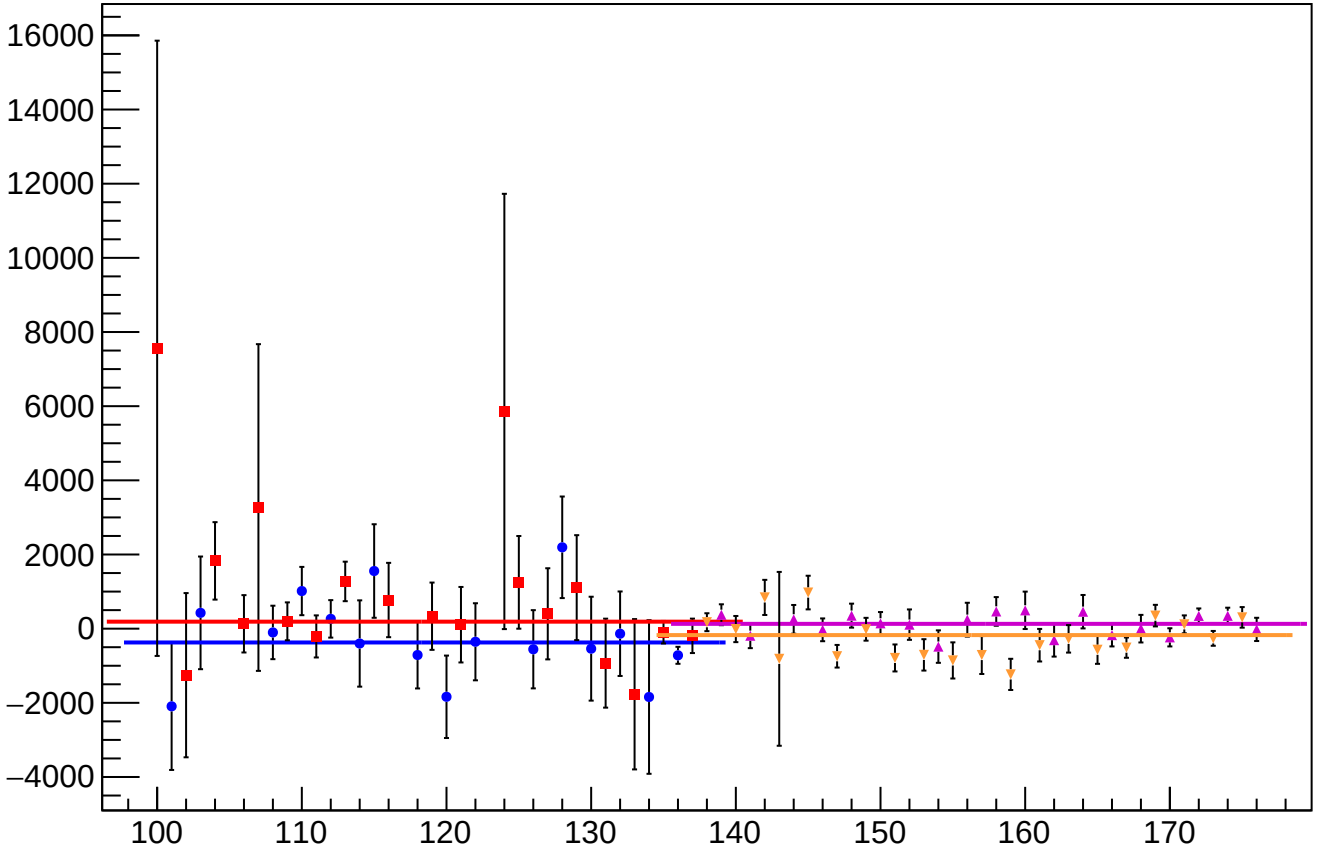
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1265.583+/-0.189 χ^2/NDF:550071.9/34

Out: 1278.299+/-0.189 χ^2/NDF:511855.8/38

All: 1271.935+/-0.134 χ^2/NDF: 1064196.0/73

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: -173.360+/-74.015 χ^2/NDF:41.9/19

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 129.752+/-73.266 χ^2/NDF:13.0/18

Left: -20.262+/-52.070 χ^2/NDF: 63.4/38

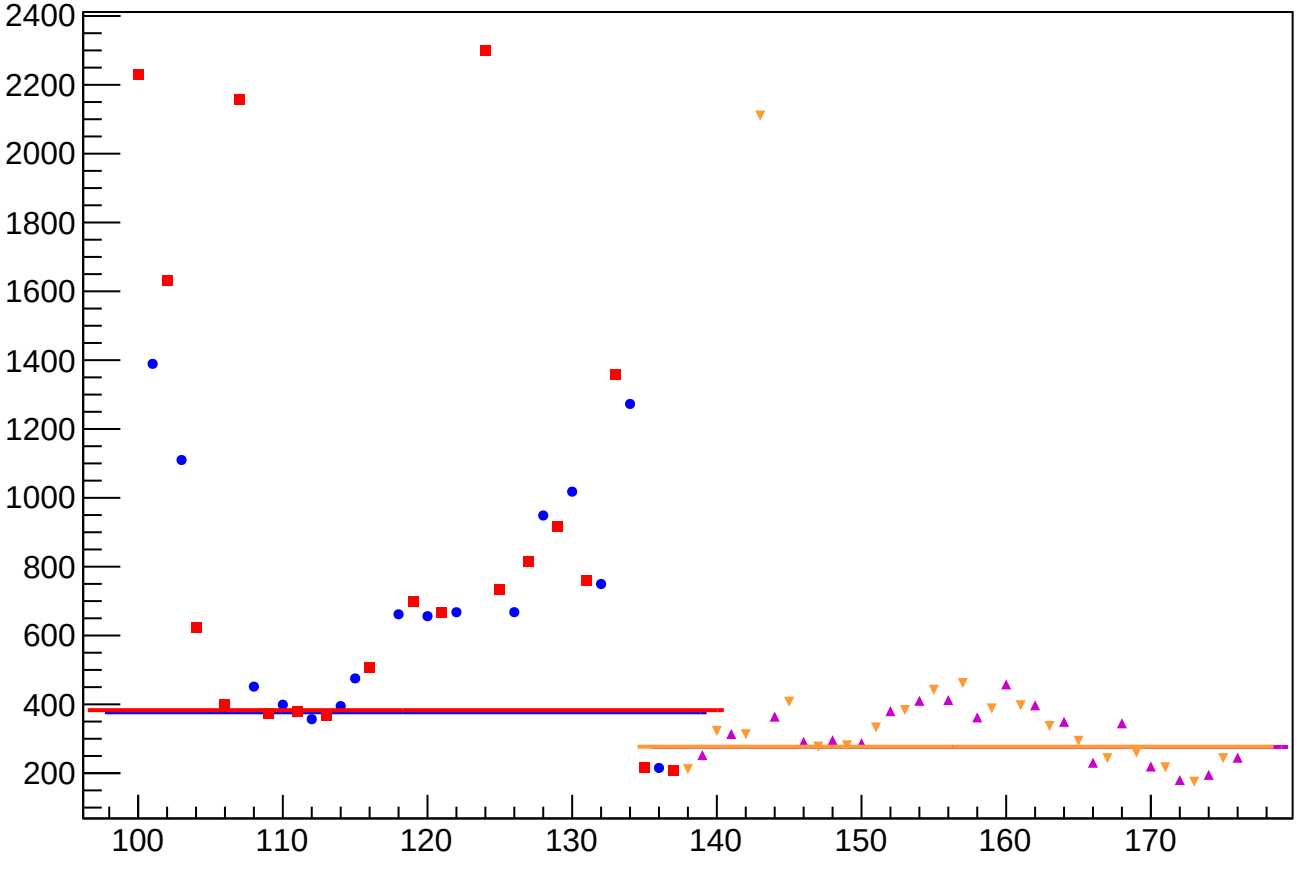
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 49.685+/-67.170 χ^2/NDF:38.6/34

Out: -115.383+/-67.835 χ^2/NDF:60.4/38

All: -32.036+/-47.730 χ^2/NDF: 102.0/73

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: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

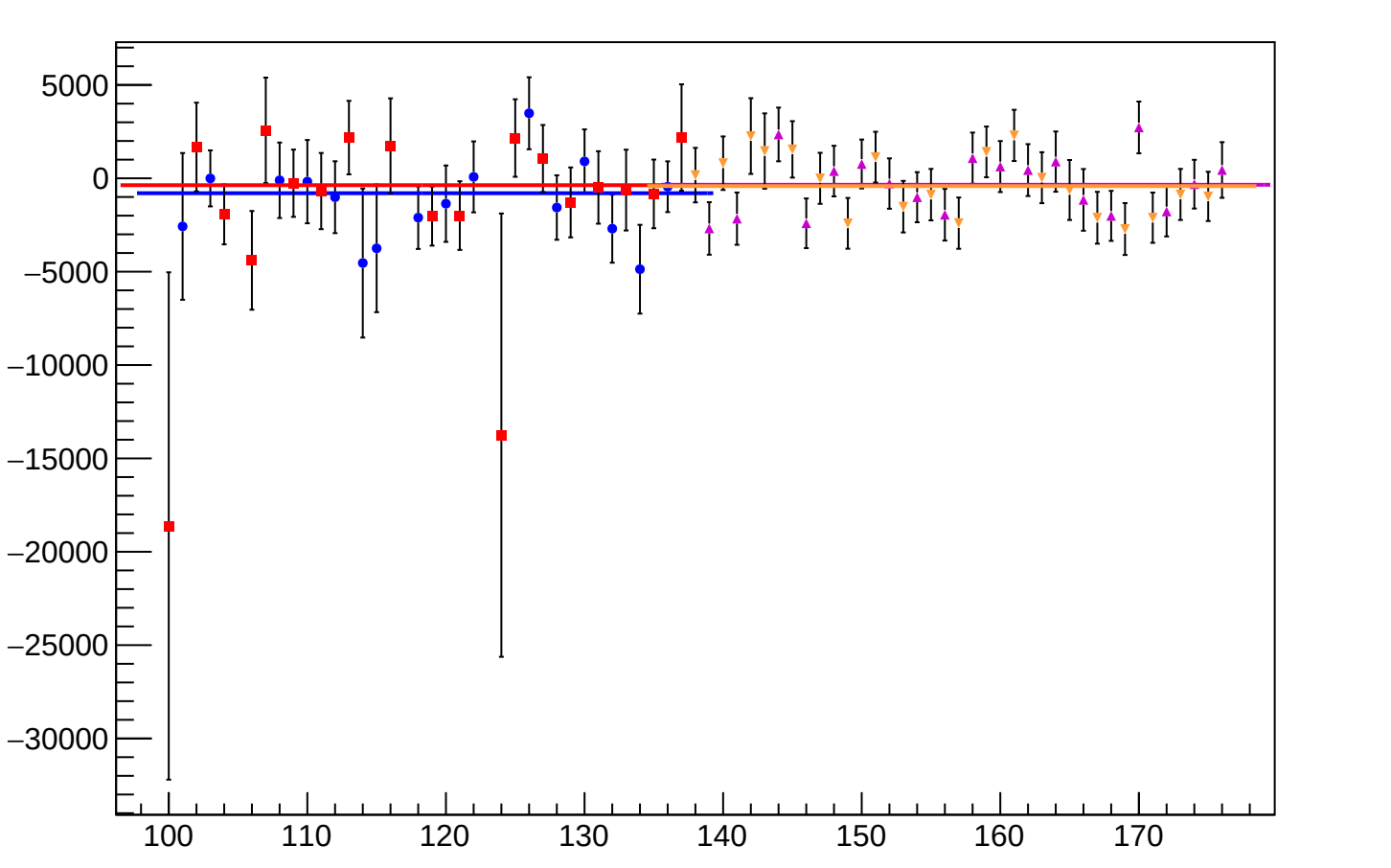
Left: 276.521+/-0.037 χ^2/NDF: 5487176.8/38

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 292.259+/-0.047 χ^2/NDF:6978896.6/34

Out: 293.846+/-0.048 χ^2/NDF:8014154.6/38

All: 293.045+/-0.034 χ^2/NDF: 14993604.0/73



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

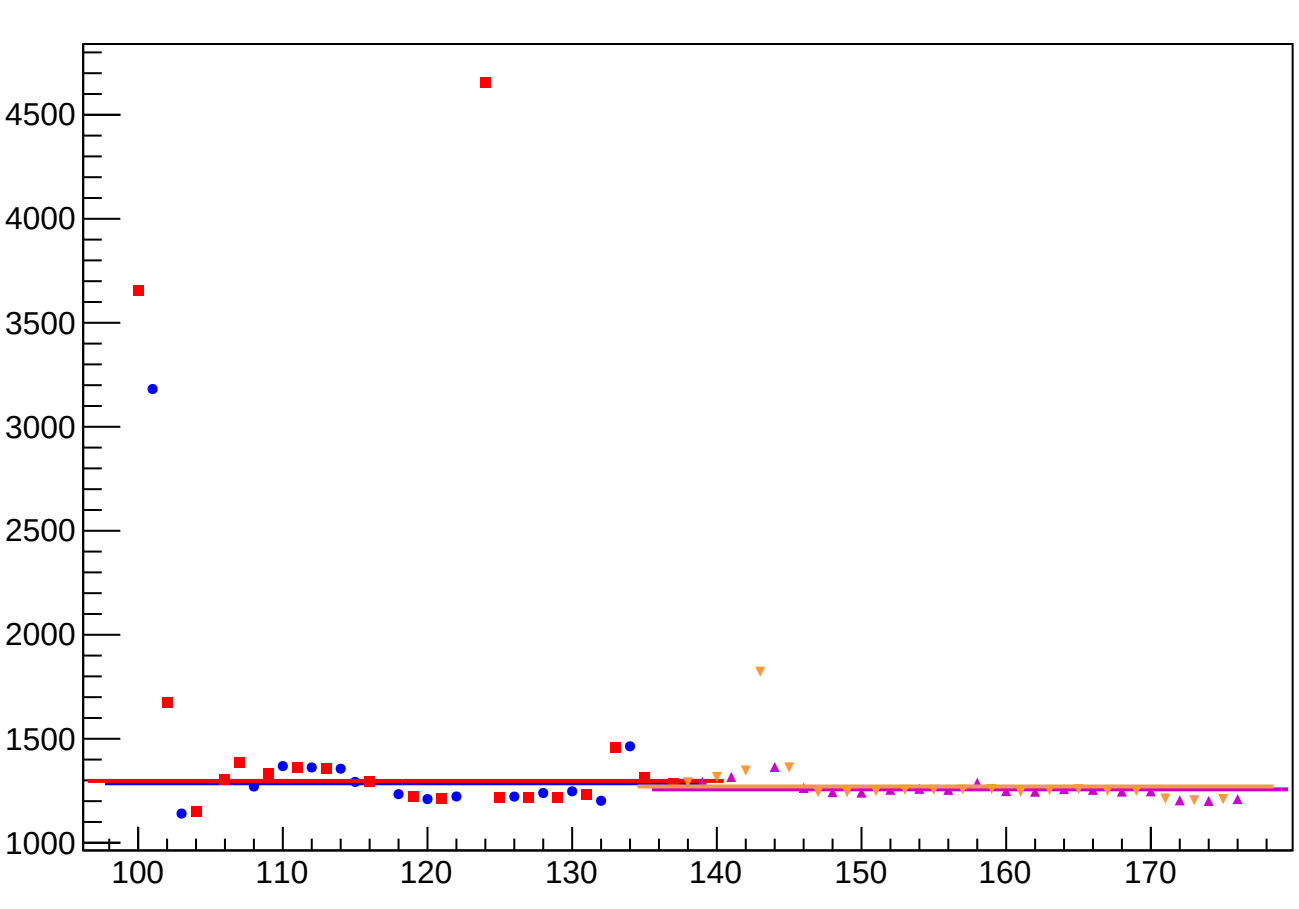
Left: -380.858+/-225.832 χ^2/NDF: 47.1/38

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -441.273+/-188.834 χ^2/NDF: 76.9/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

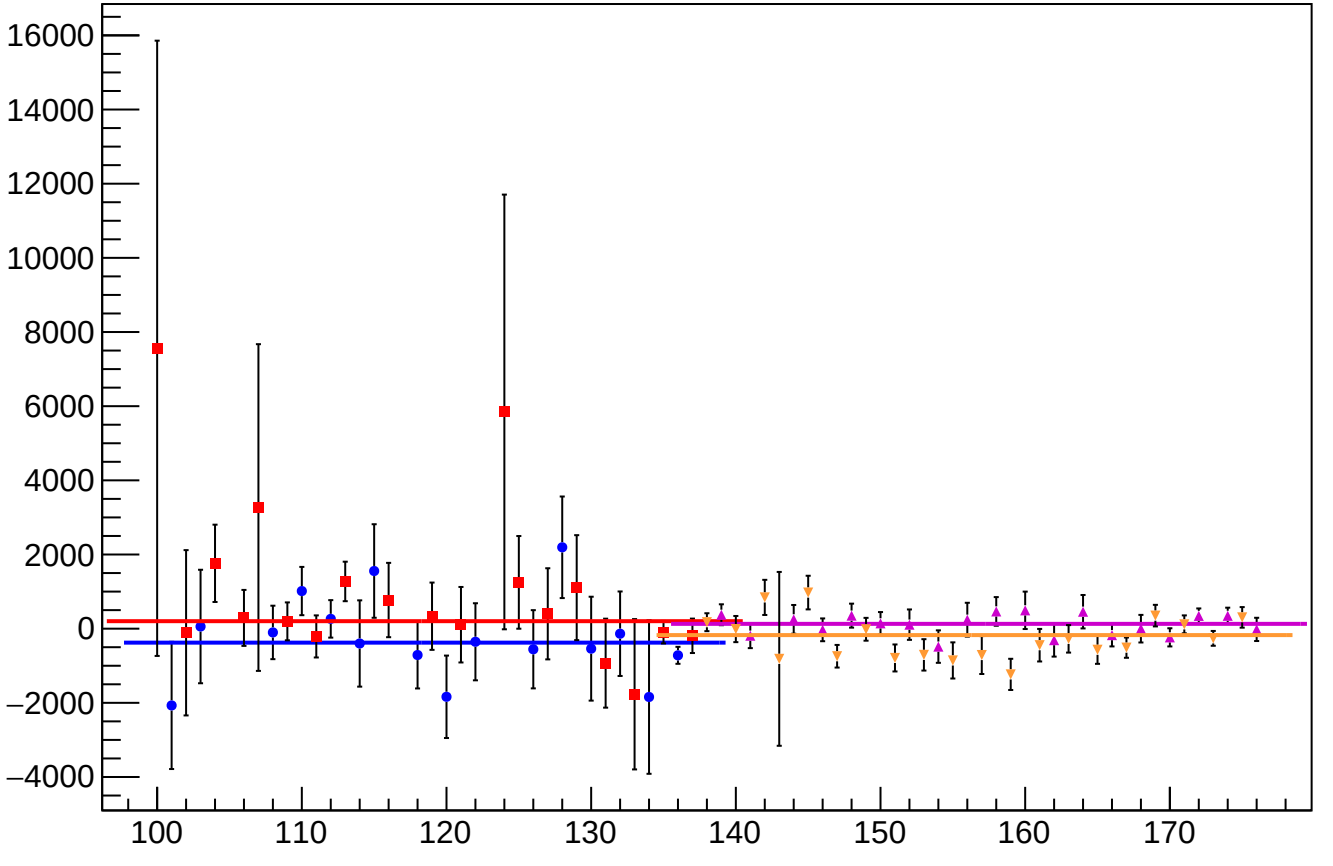
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

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: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -20.208+/-52.071 χ^2/NDF: 63.4/38

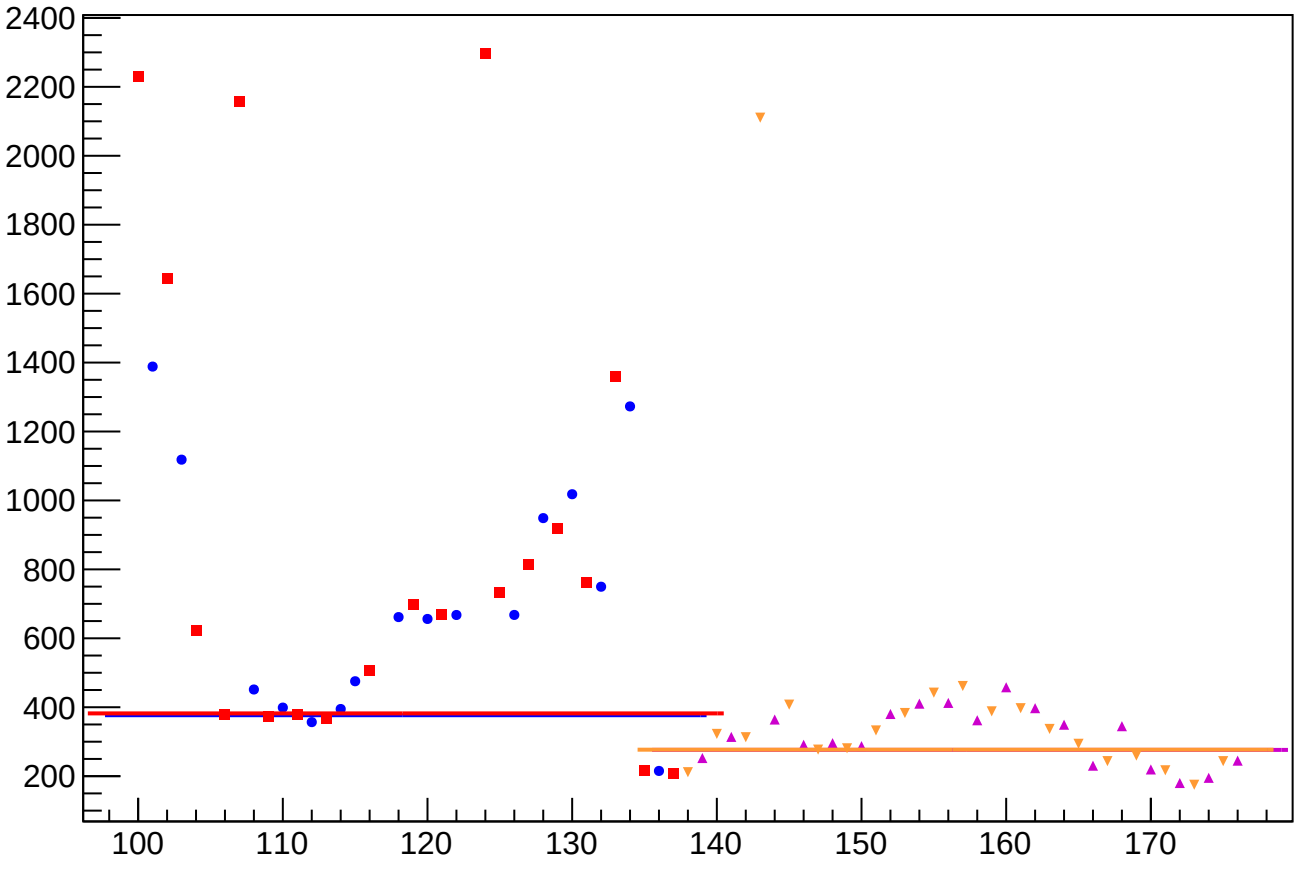
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.254+/-47.727 χ^2/NDF: 101.5/73

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

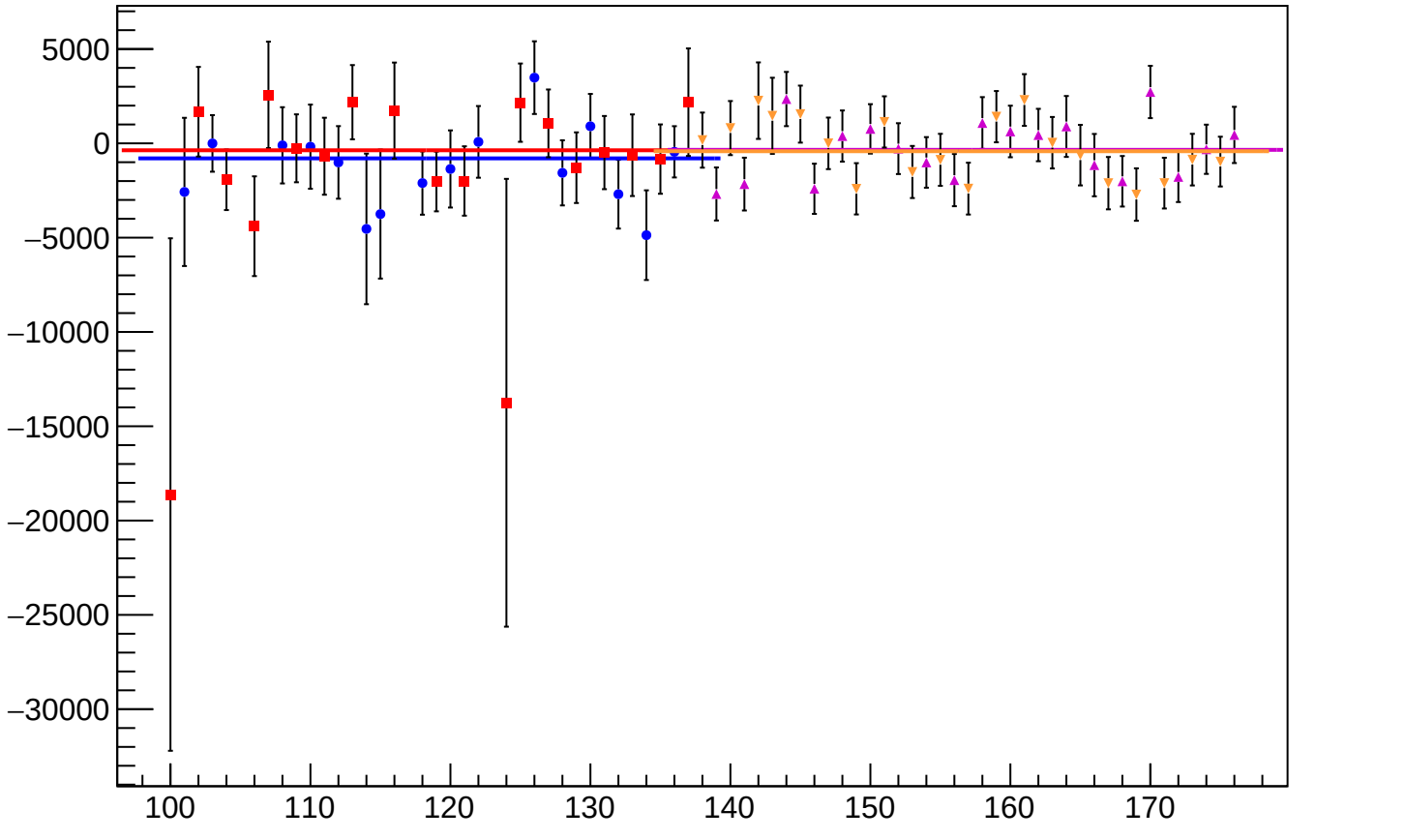
Left: 276.530+/-0.037 χ^2/NDF: 5486766.5/38

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

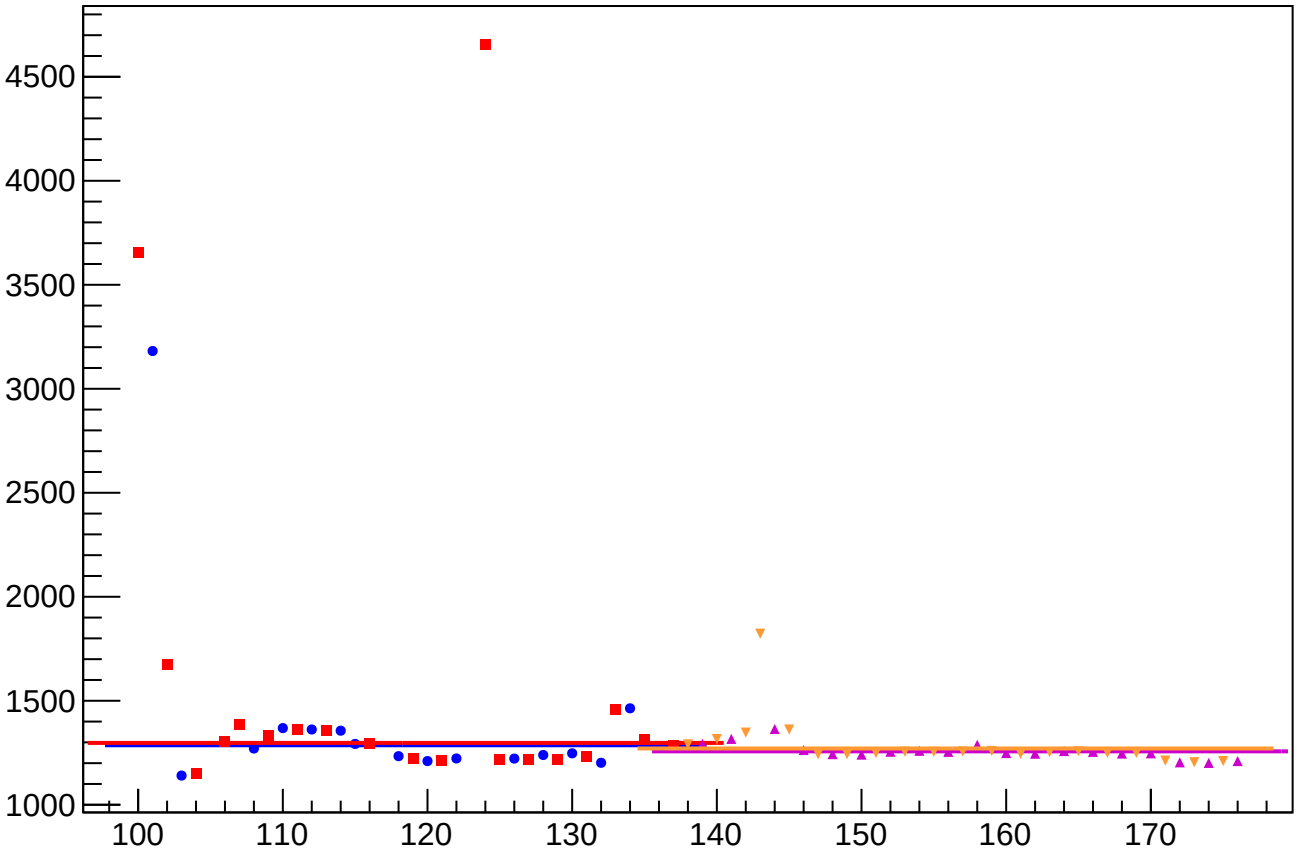
Left: -380.858+/-225.832 χ^2/NDF: 47.1/38

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -441.273+/-188.834 χ^2/NDF: 76.9/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

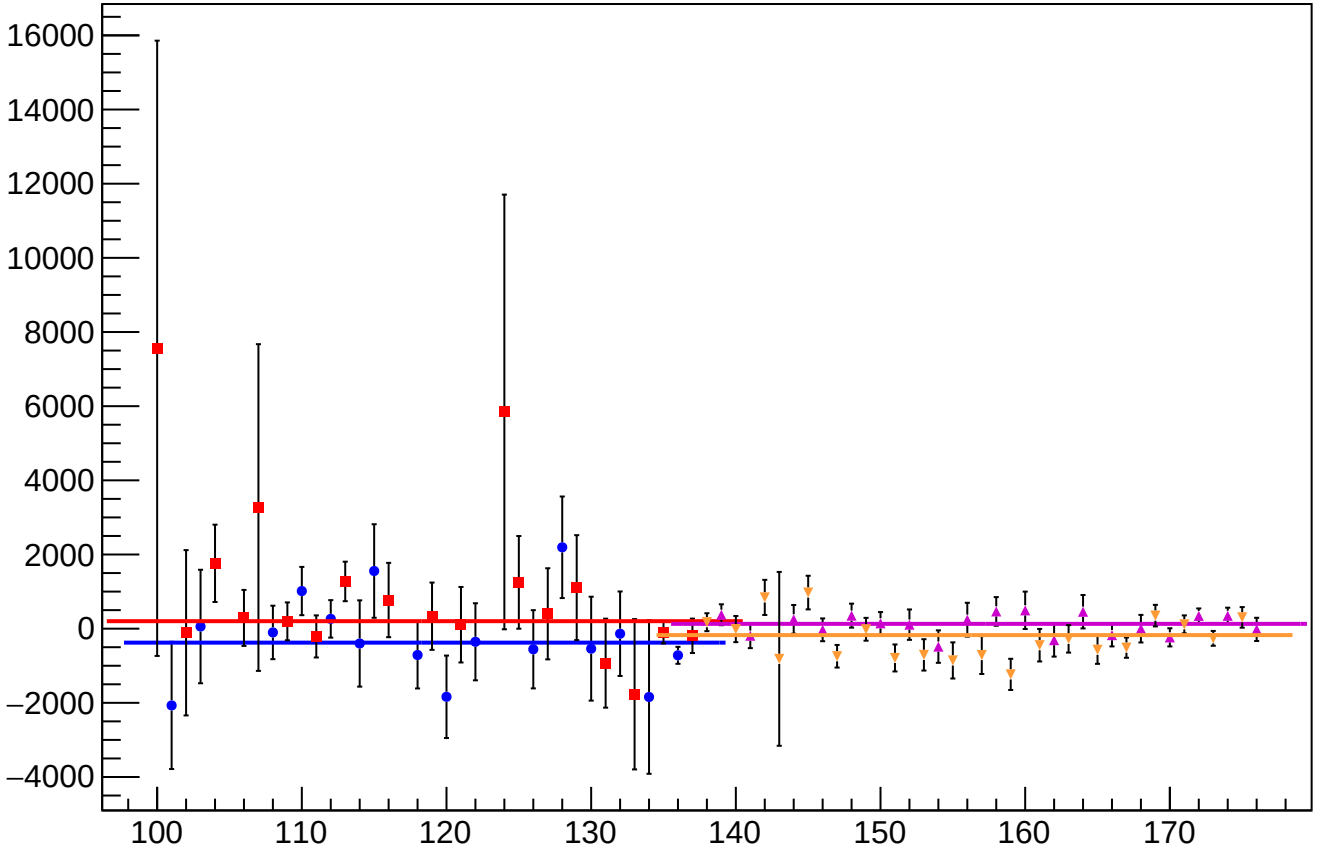
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -20.208+/-52.071 χ^2/NDF: 63.4/38

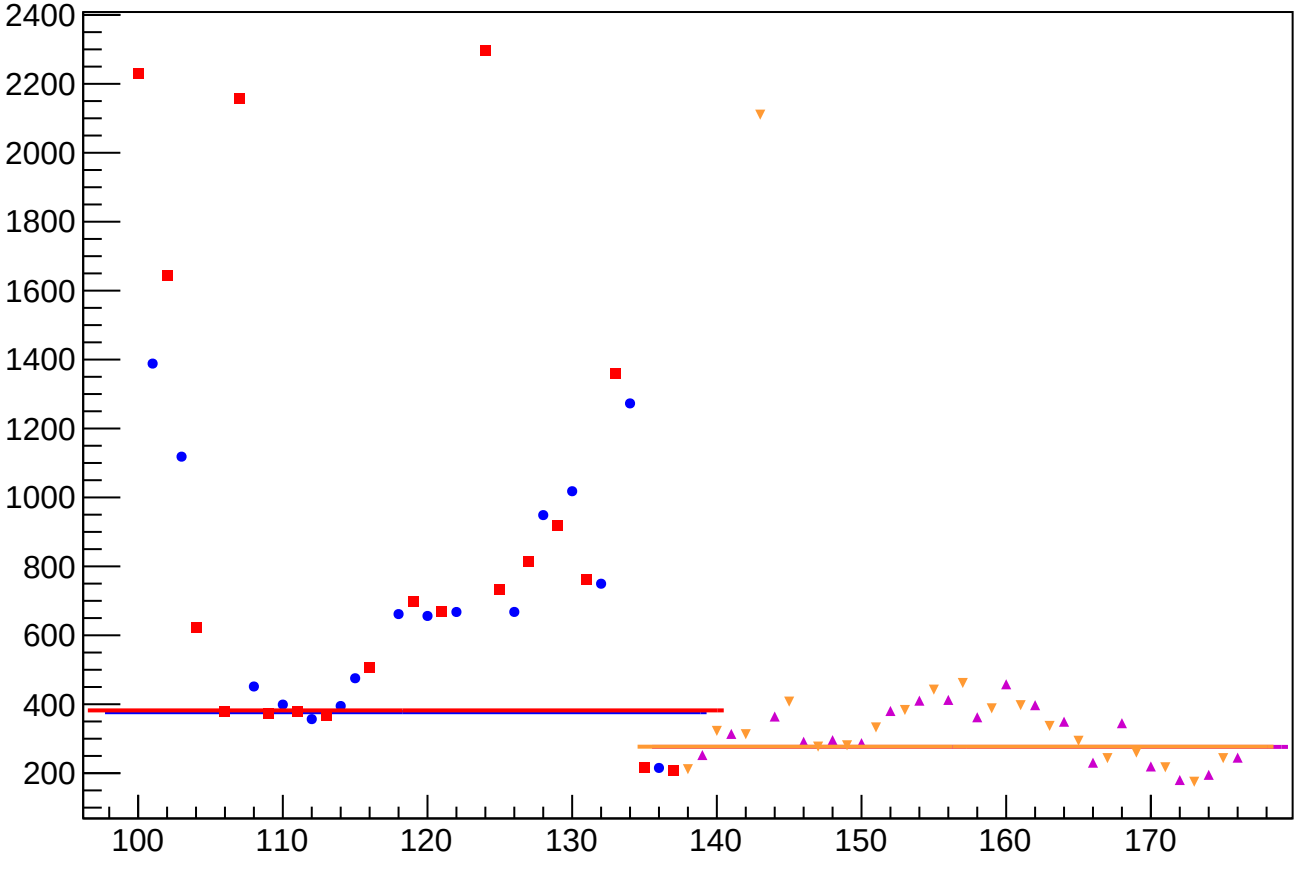
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.254+/-47.727 χ^2/NDF: 101.5/73

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: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

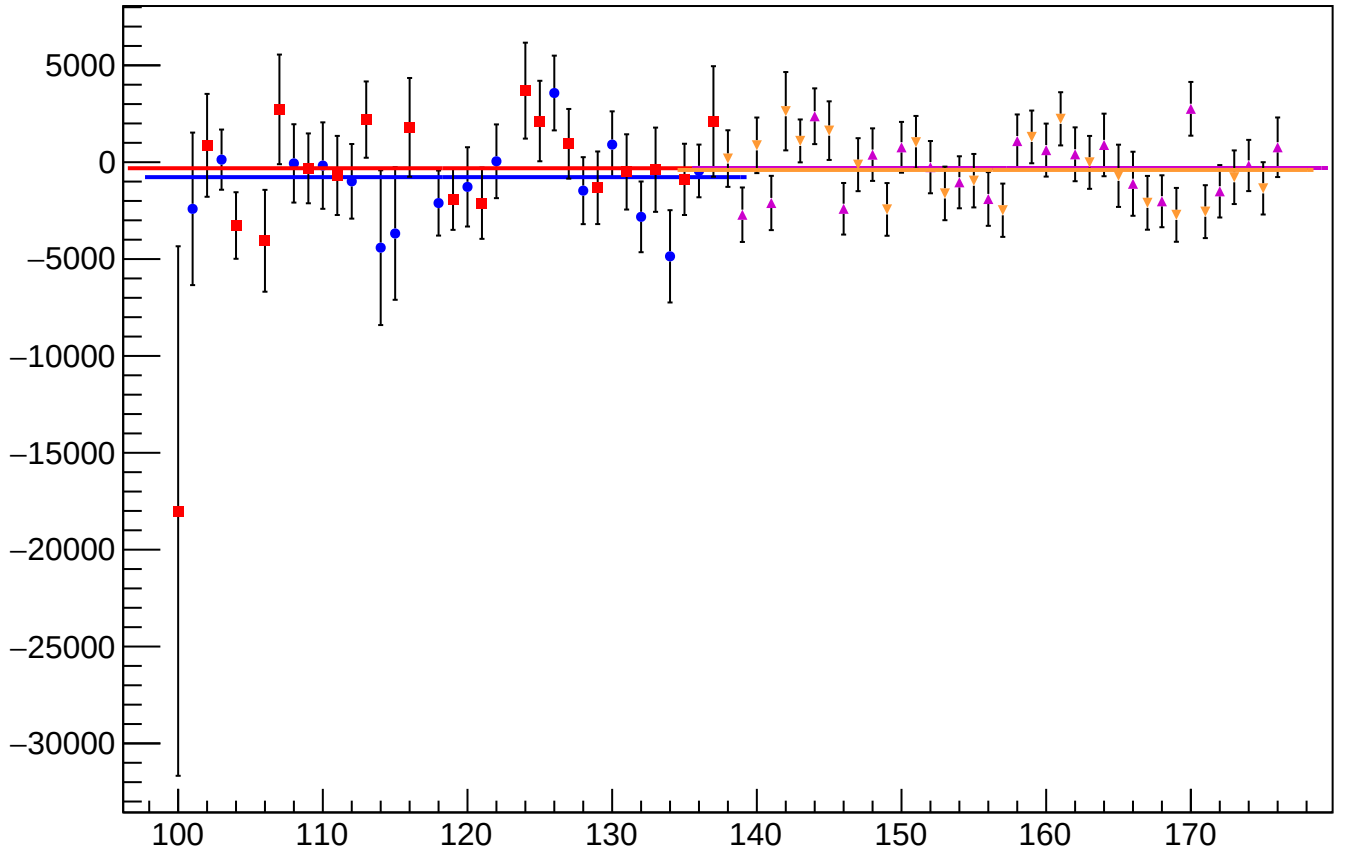
Left: 276.530+/-0.037 χ^2/NDF: 5486766.5/38

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

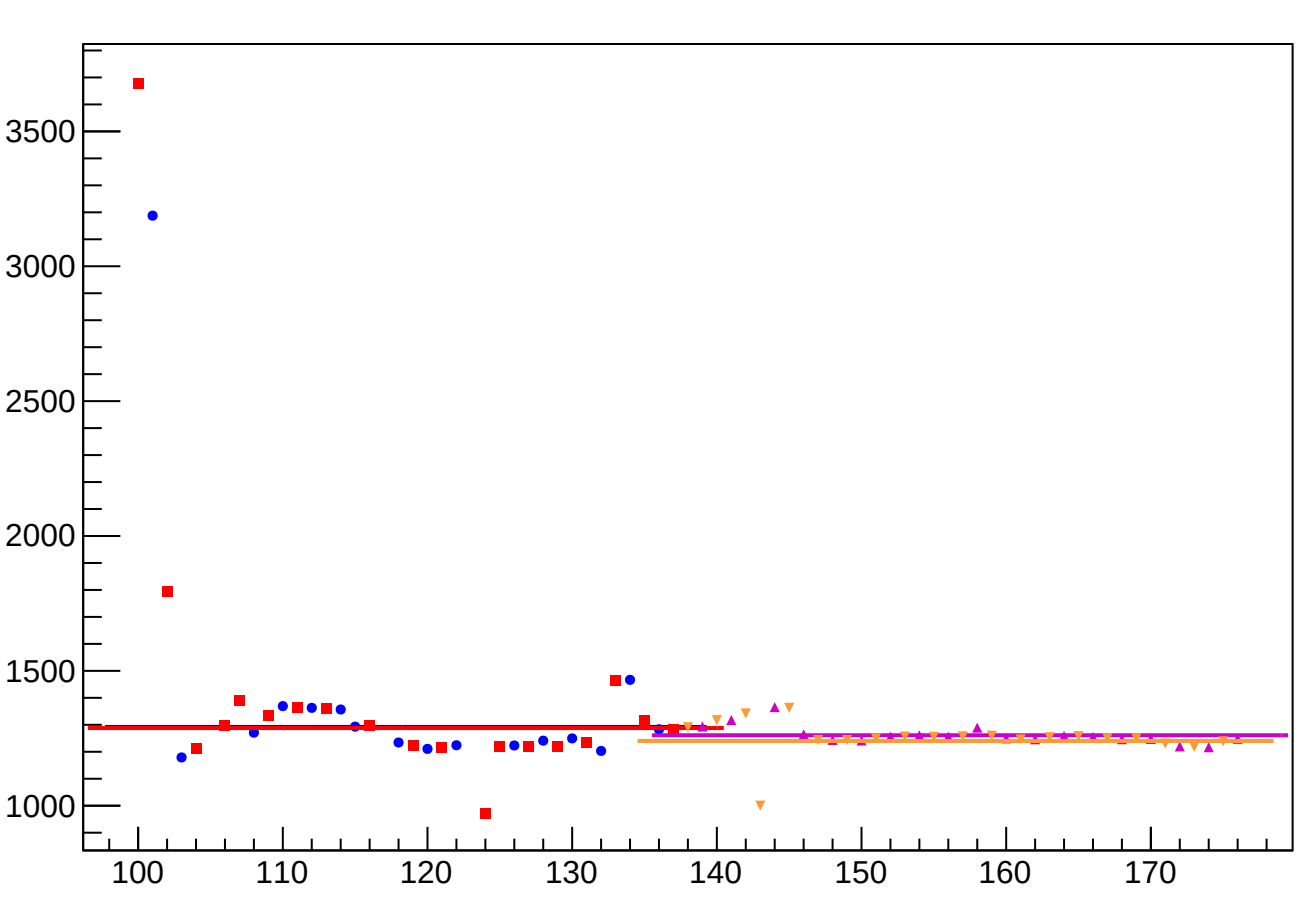
Left: -350.873+/-223.351 χ^2/NDF: 49.6/38

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -440.606+/-267.895 χ^2/NDF:37.7/34

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -406.479+/-187.283 χ^2/NDF: 81.8/73



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

Left: 1250.403+/-0.158 χ^2/NDF: 149062.5/38

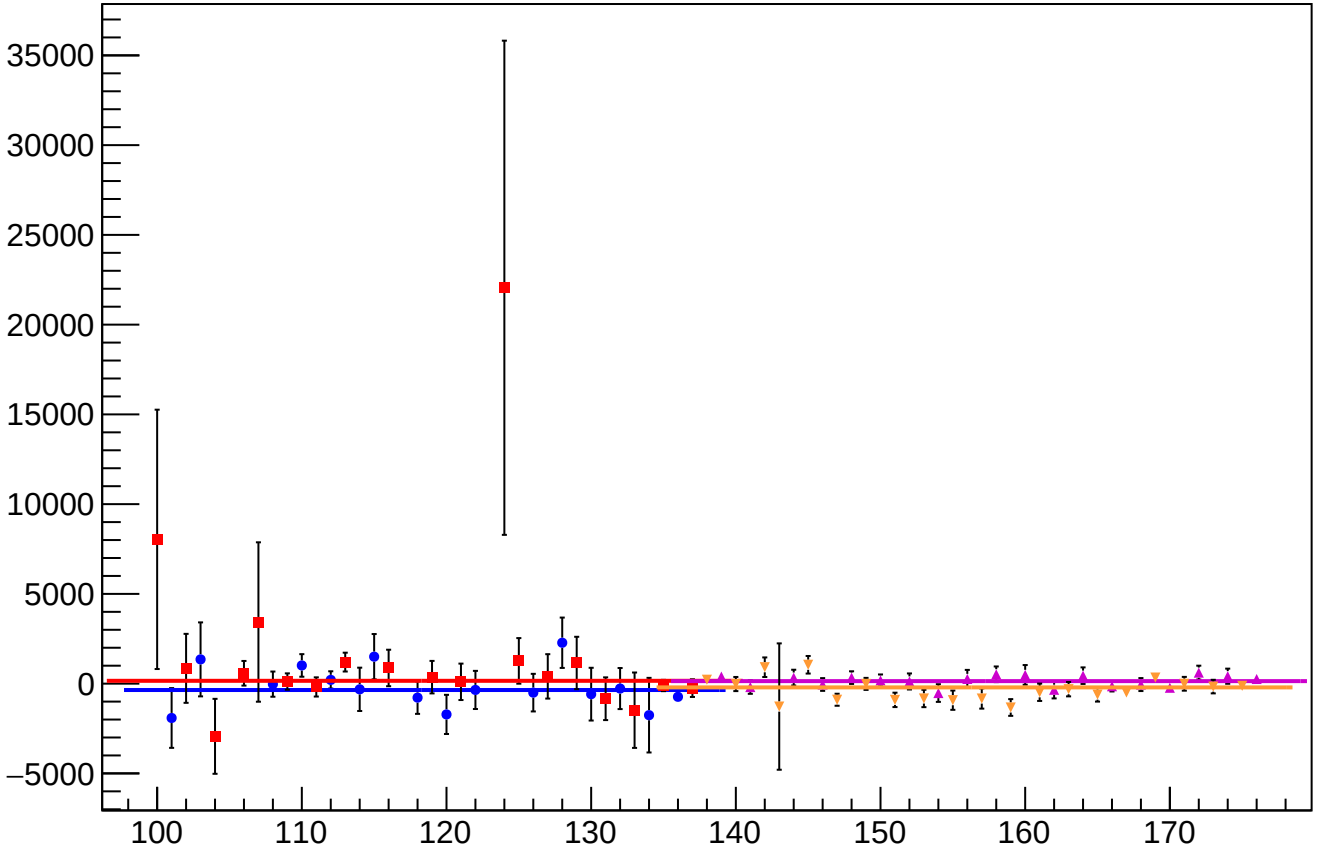
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1270.499+/-0.189 χ^2/NDF:536529.1/34

Out: 1254.177+/-0.185 χ^2/NDF:346070.9/38

All: 1262.154+/-0.132 χ^2/NDF: 886395.5/73

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: -208.923+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 140.612+/-77.662 χ^2/NDF:13.0/18

Left: -34.778+/-54.817 χ^2/NDF: 62.5/38

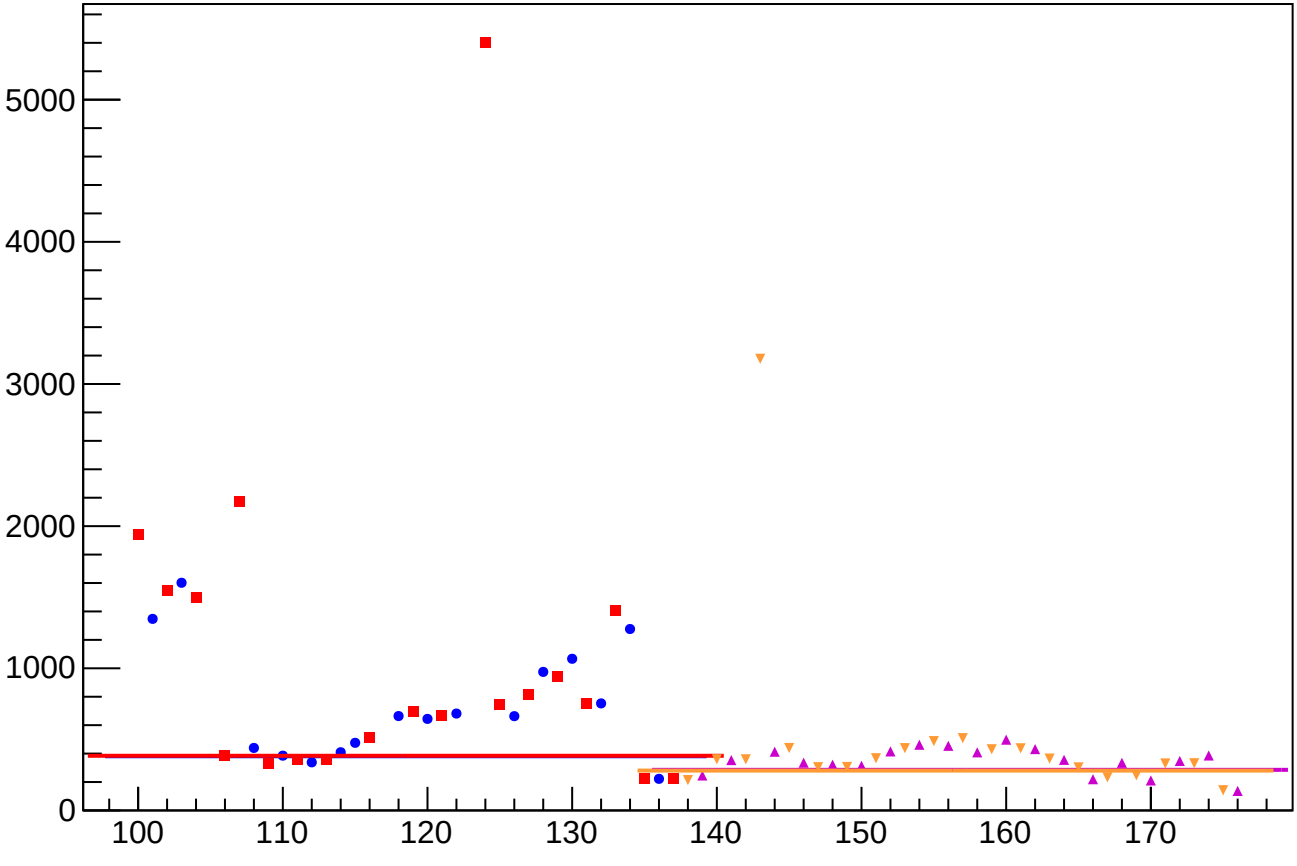
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 54.975+/-70.637 χ^2/NDF:38.5/34

Out: -145.749+/-70.407 χ^2/NDF:59.0/38

All: -45.714+/-49.867 χ^2/NDF: 101.6/73

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: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

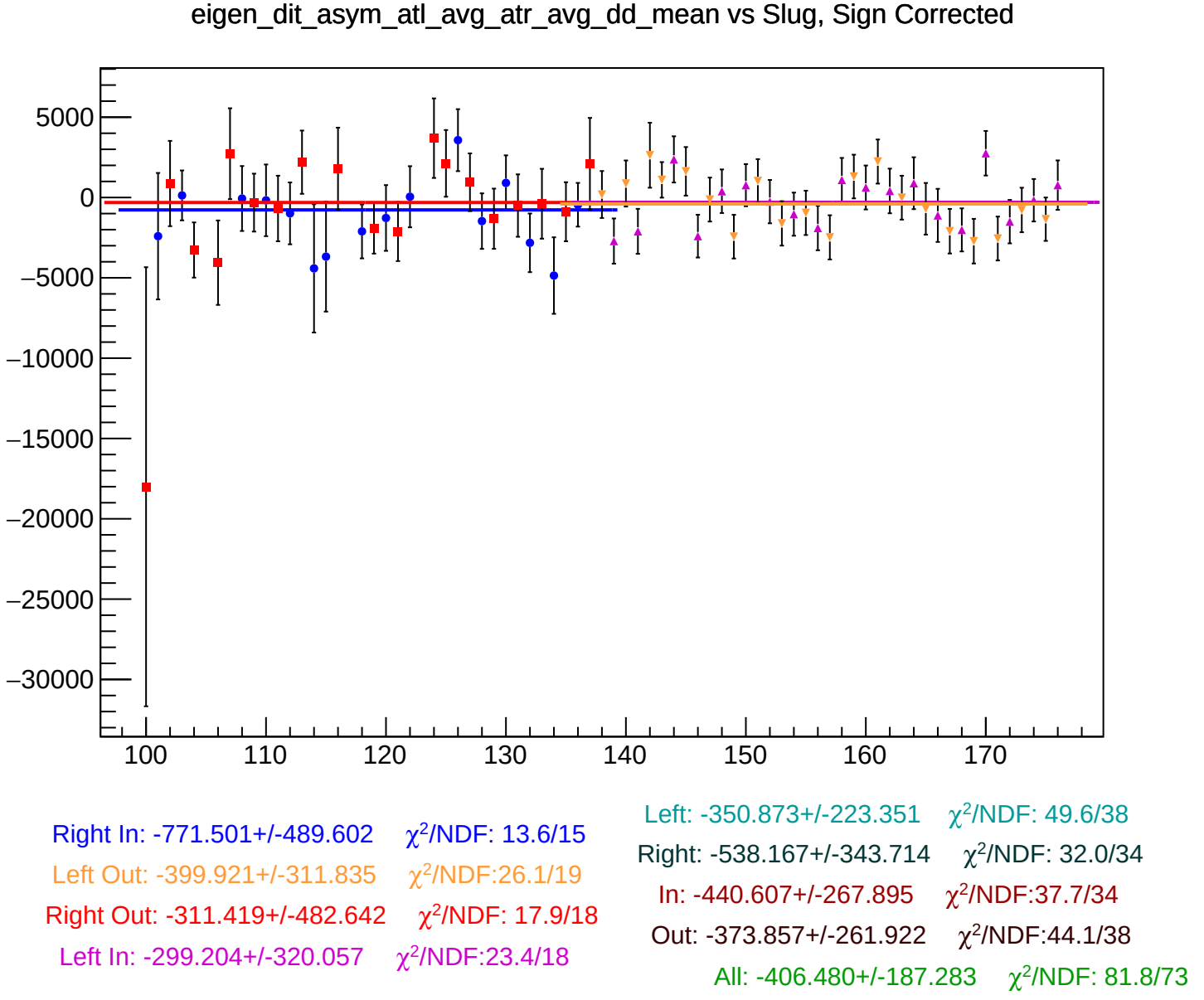
Left: 283.117+/-0.039 χ^2/NDF: 8670627.8/38

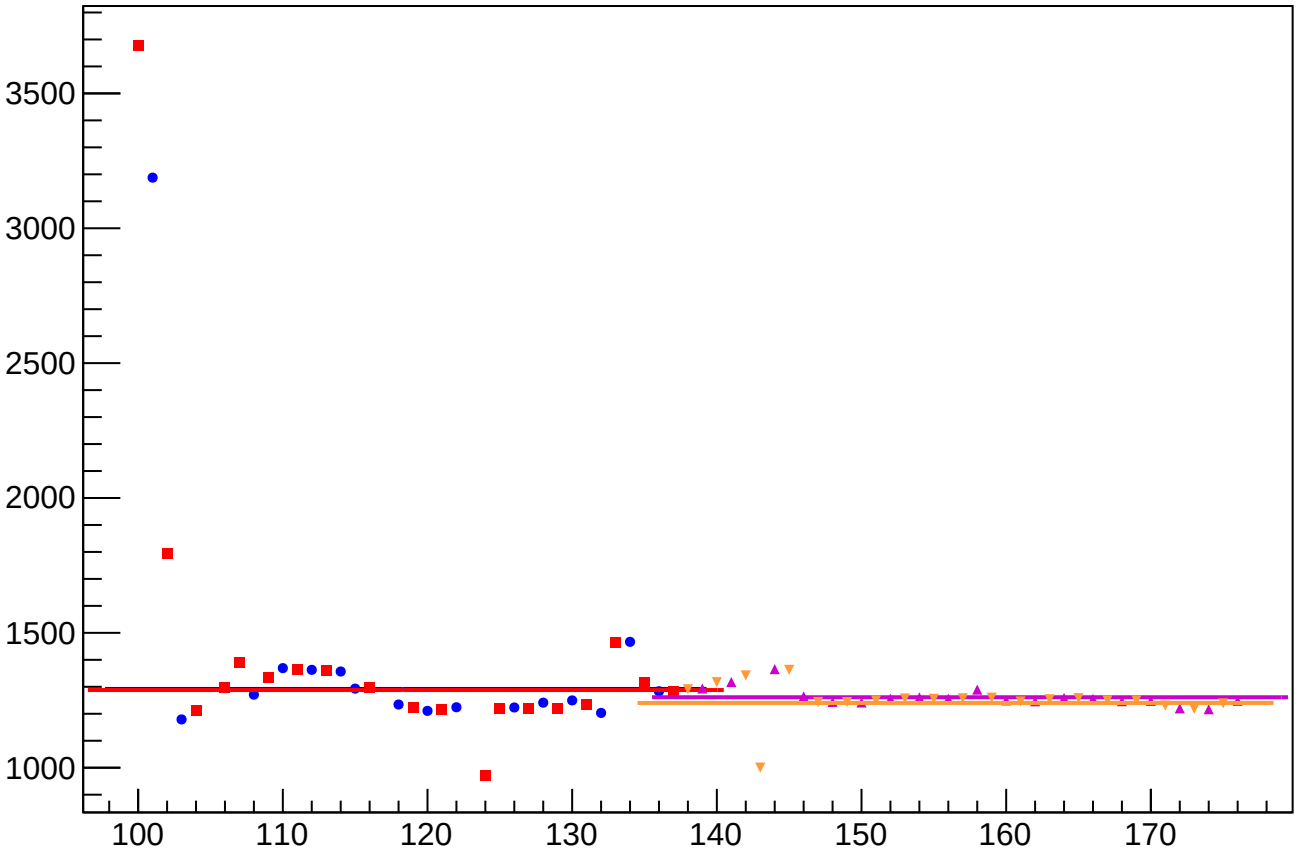
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 302.241+/-0.050 χ^2/NDF:8579445.4/34

Out: 298.457+/-0.050 χ^2/NDF:10112054.8/38

All: 300.343+/-0.035 χ^2/NDF: 18694378.4/73


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: -399.921+/-311.835 χ²/NDF:26.1/19
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -299.204+/-320.057 χ²/NDF:23.4/18
Left: -350.873+/-223.351 χ²/NDF: 49.6/38
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -440.607+/-267.895 χ²/NDF:37.7/34
Out: -373.857+/-261.922 χ²/NDF:44.1/38
All: -406.480+/-187.283 χ²/NDF: 81.8/73



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

Left: 1250.403+/-0.158 χ^2/NDF: 149061.9/38

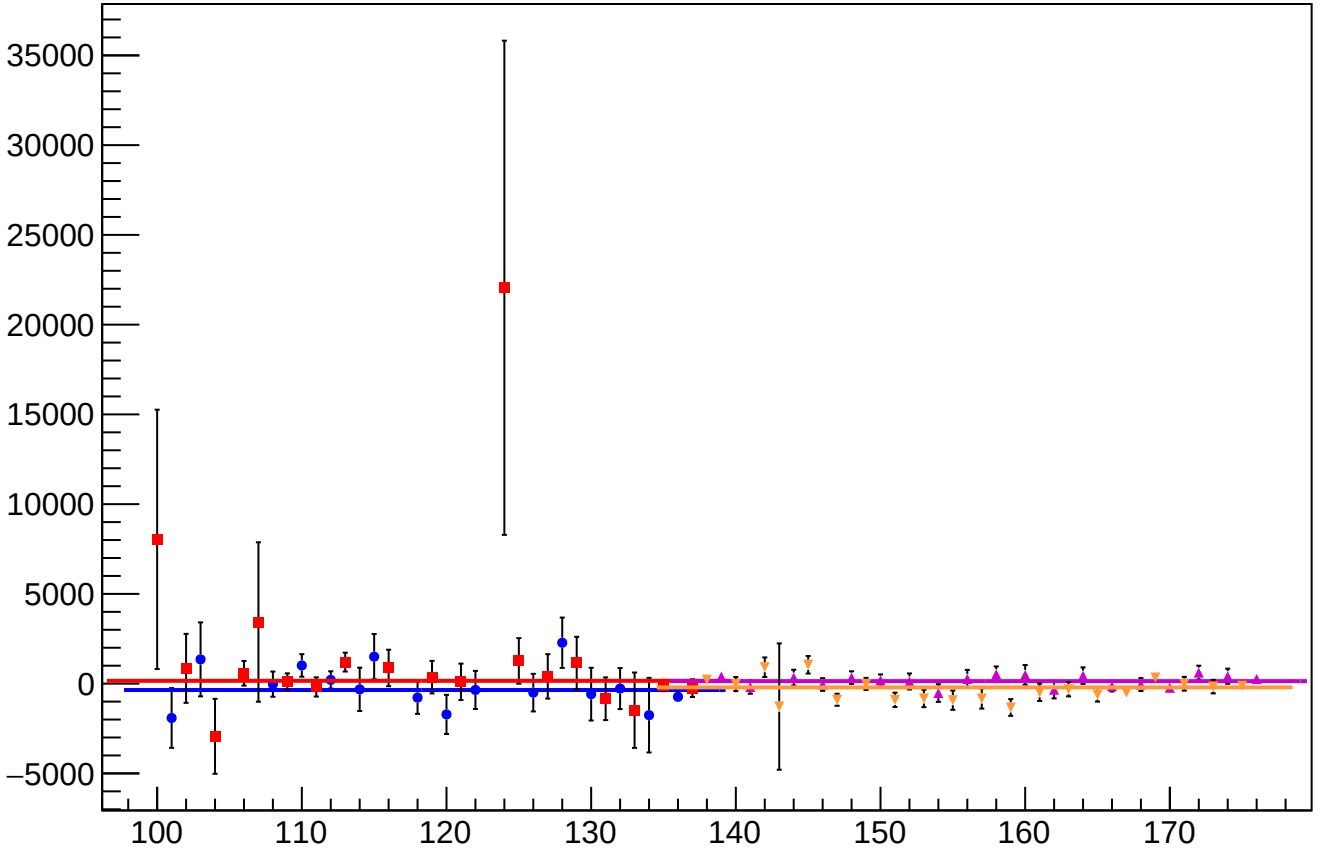
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1270.499+/-0.189 χ^2/NDF:536529.2/34

Out: 1254.177+/-0.185 χ^2/NDF:346070.4/38

All: 1262.154+/-0.132 χ^2/NDF: 886395.0/73

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: -208.928+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 140.611+/-77.662 χ^2/NDF:13.0/18

Left: -34.782+/-54.817 χ^2/NDF: 62.5/38

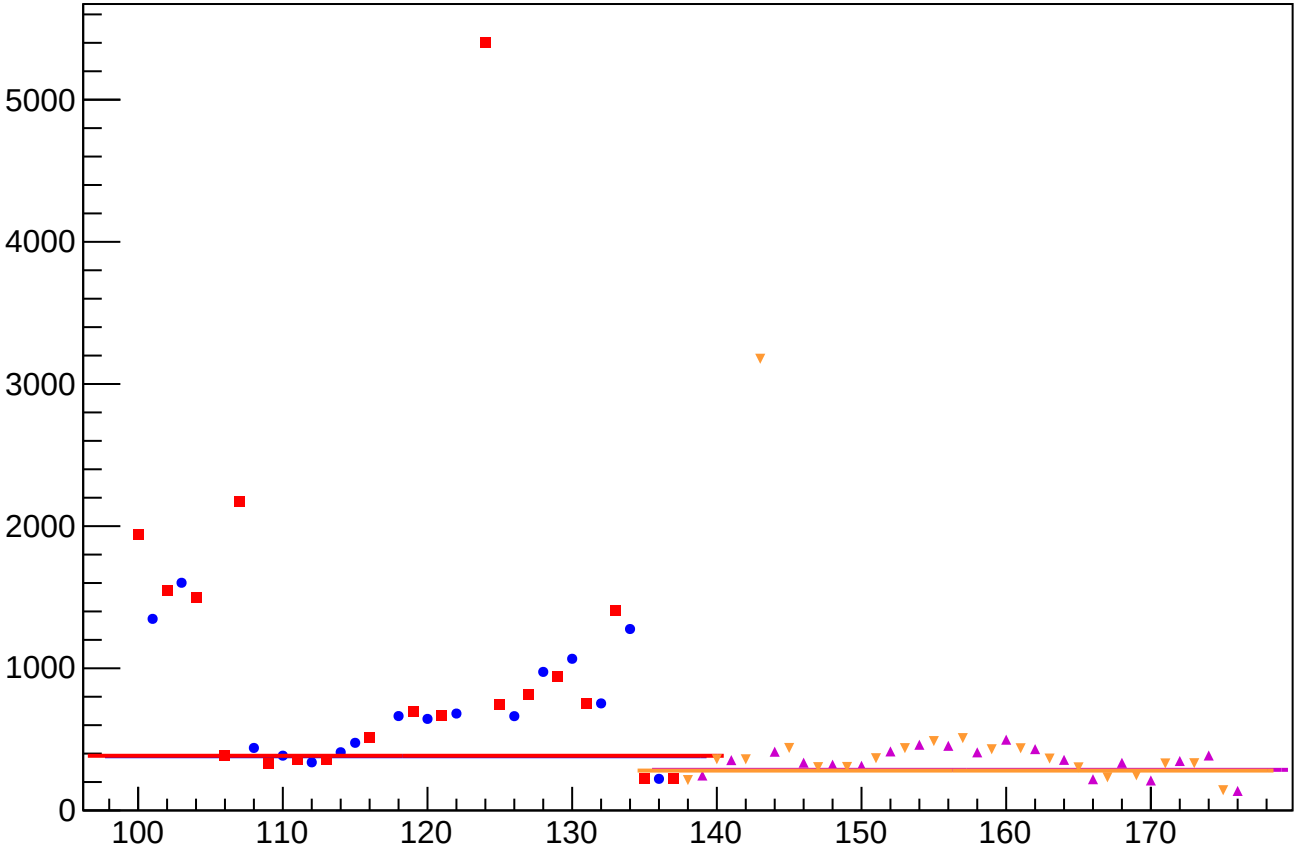
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 54.976+/-70.638 χ^2/NDF:38.5/34

Out: -145.753+/-70.408 χ^2/NDF:59.0/38

All: -45.716+/-49.867 χ^2/NDF: 101.6/73

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

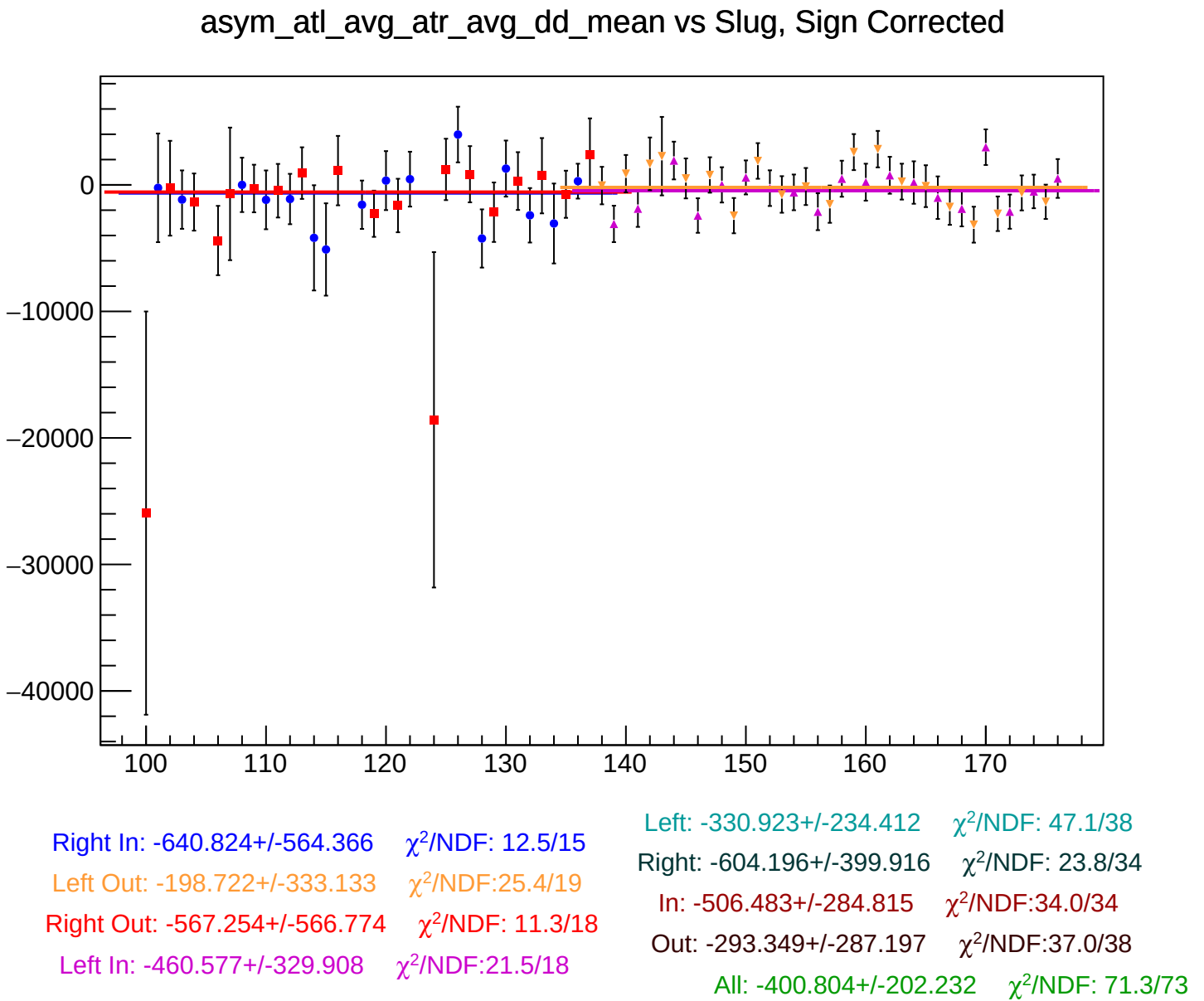
Left: 283.118+/-0.039 χ^2/NDF: 8670483.9/38

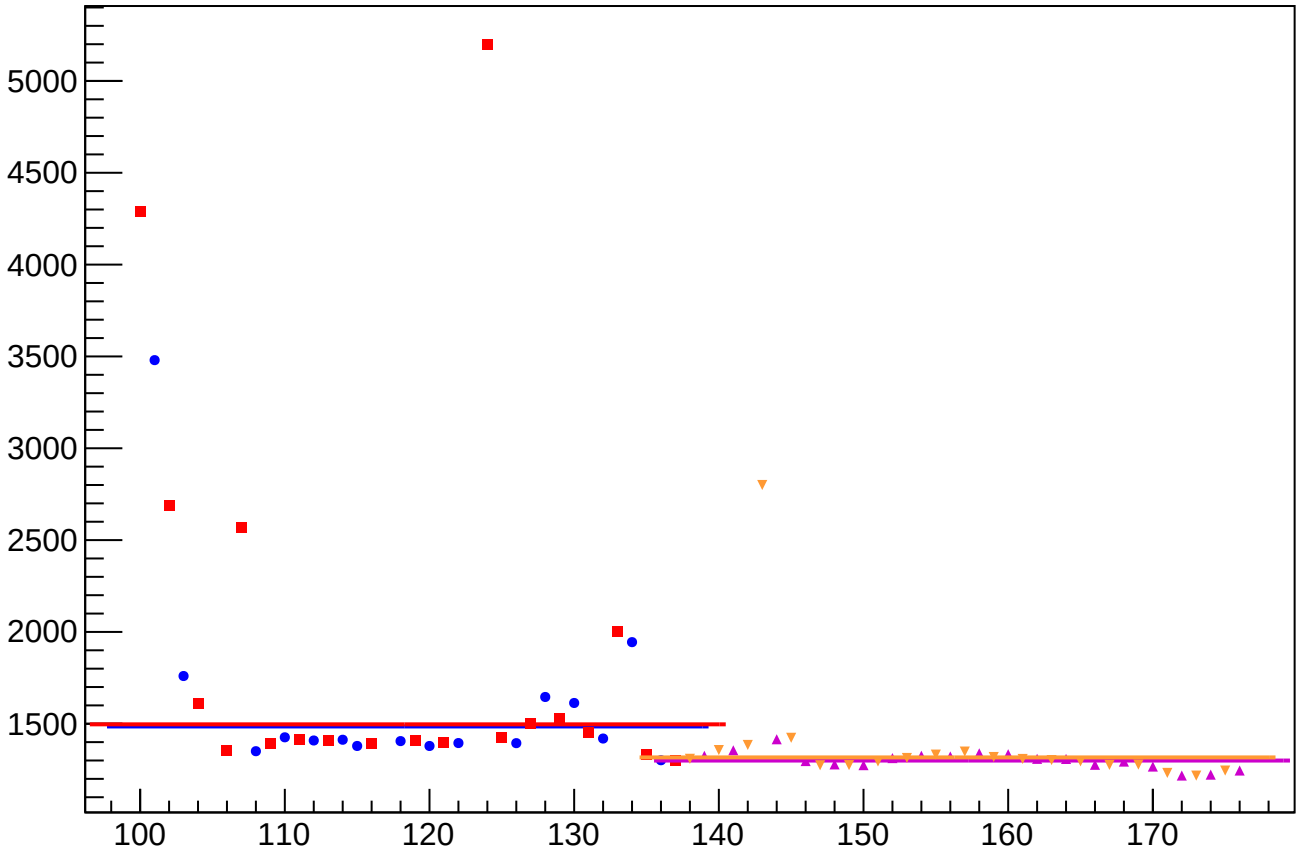
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 302.243+/-0.050 χ^2/NDF:8579285.0/34

Out: 298.460+/-0.050 χ^2/NDF:10111886.5/38

All: 300.345+/-0.035 χ^2/NDF: 18694049.2/73


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: -198.722+/-333.133 χ²/NDF:25.4/19
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -460.577+/-329.908 χ²/NDF:21.5/18
Left: -330.923+/-234.412 χ²/NDF: 47.1/38
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -506.483+/-284.815 χ²/NDF:34.0/34
Out: -293.349+/-287.197 χ²/NDF:37.0/38
All: -400.804+/-202.232 χ²/NDF: 71.3/73



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

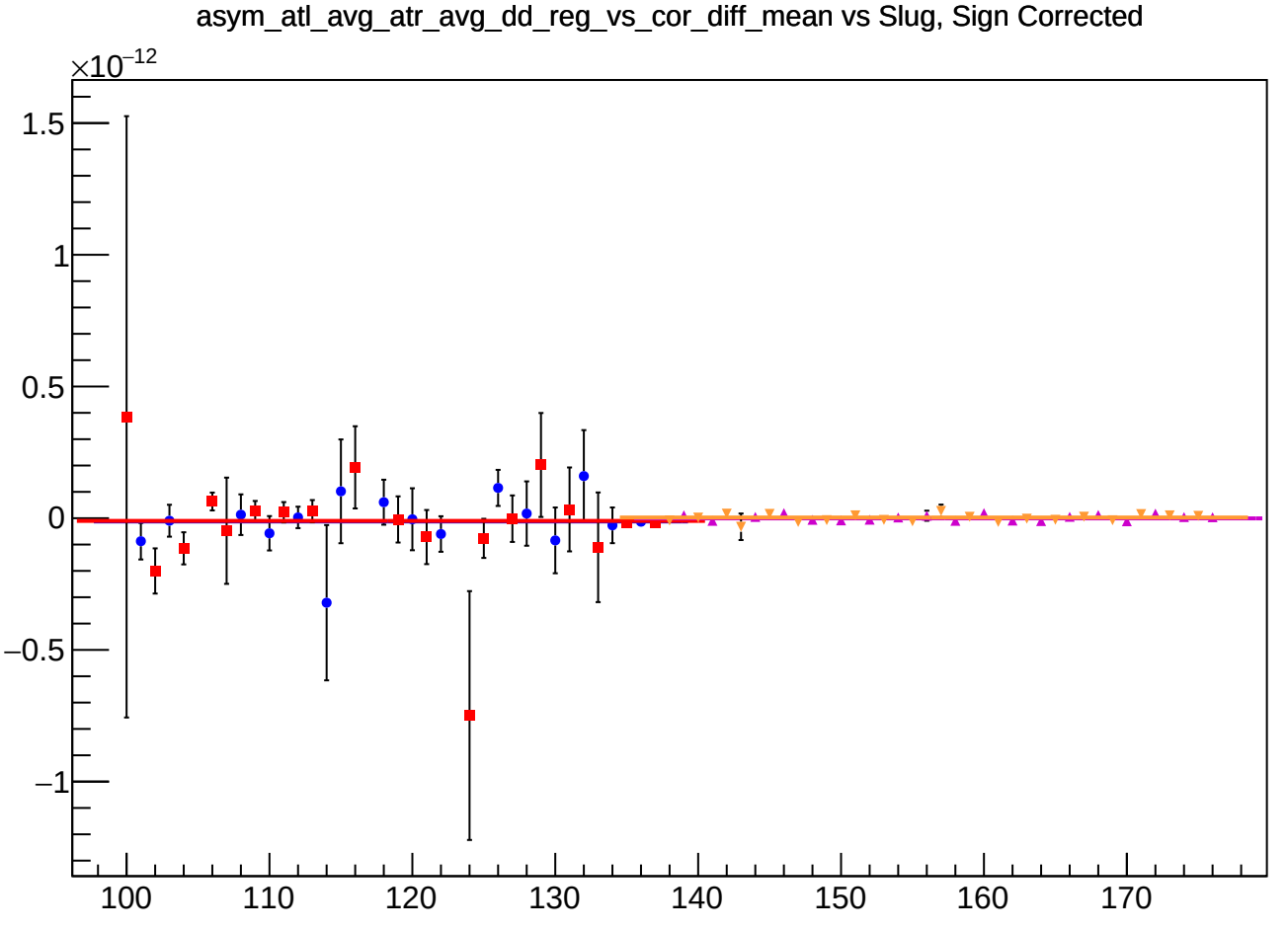
Left: 1308.144+/-0.166 χ^2/NDF: 543883.9/38

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1347.007+/-0.201 χ^2/NDF:784708.9/34

Out: 1362.981+/-0.203 χ^2/NDF:1275757.4/38

All: 1354.928+/-0.143 χ^2/NDF: 2063585.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

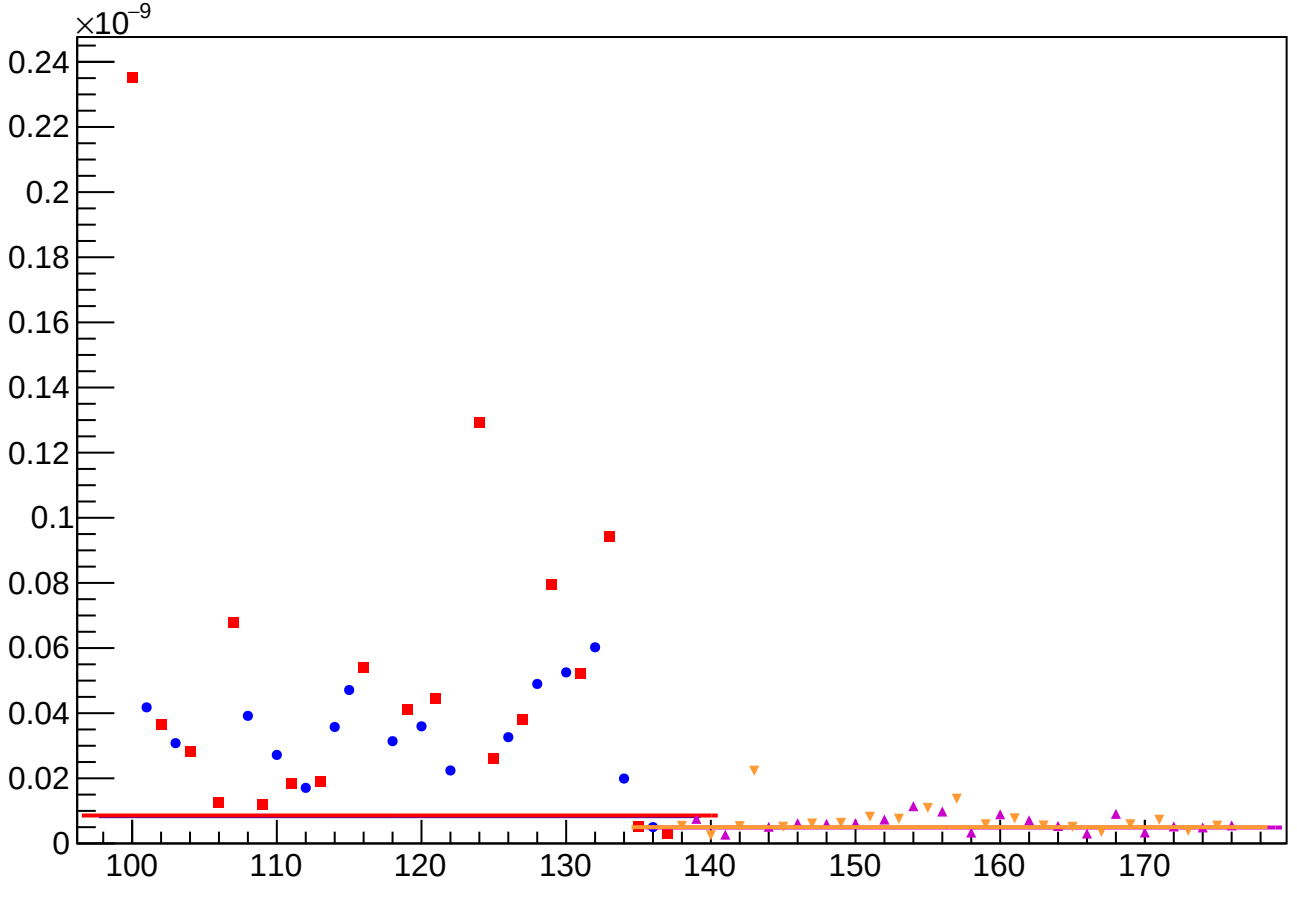
Left: 0.000+/-0.000 χ^2/NDF: 42.0/38

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:43.6/38

All: 0.000+/-0.000 χ^2/NDF: 78.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3587674.4/38

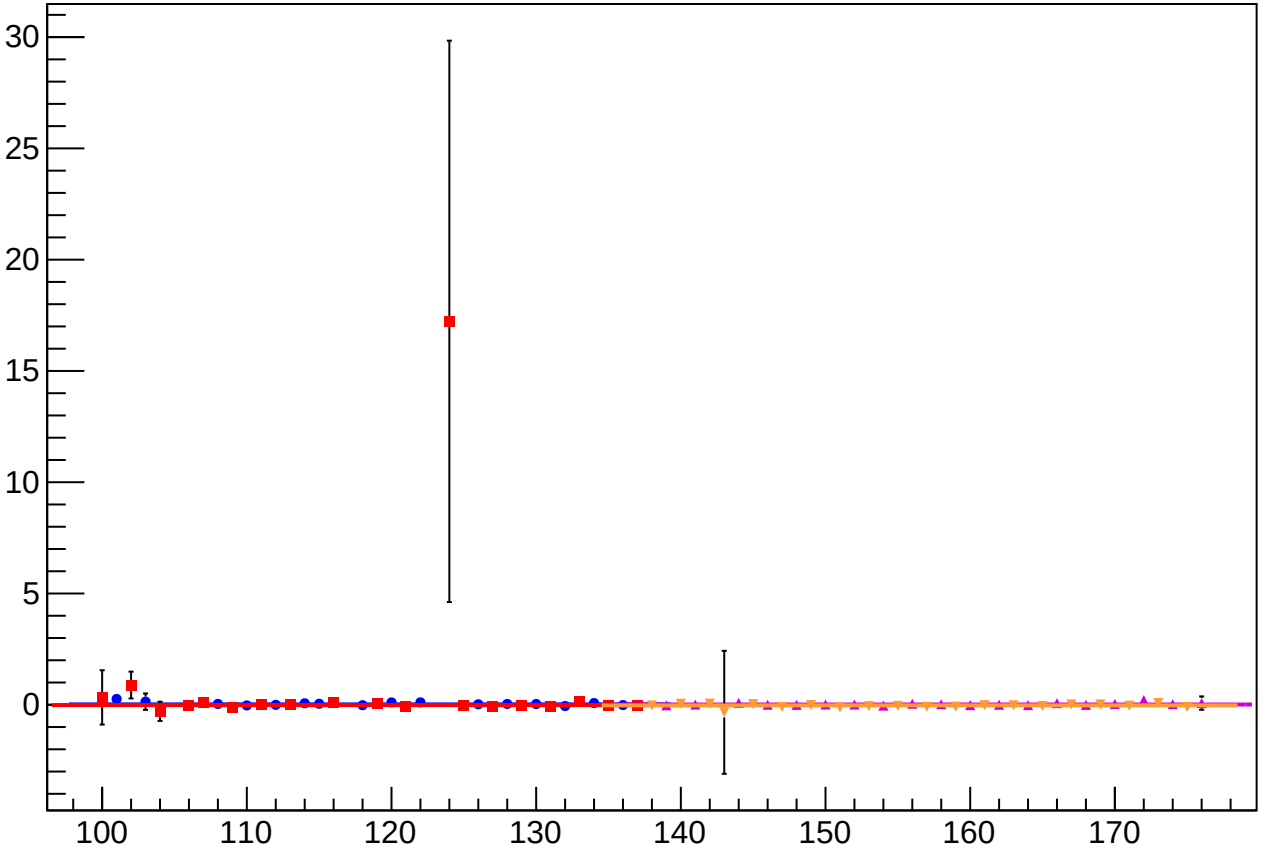
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5163408.3/34

Out: 0.000+/-0.000 χ^2/NDF:5606853.2/38

All: 0.000+/-0.000 χ^2/NDF: 10771653.6/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

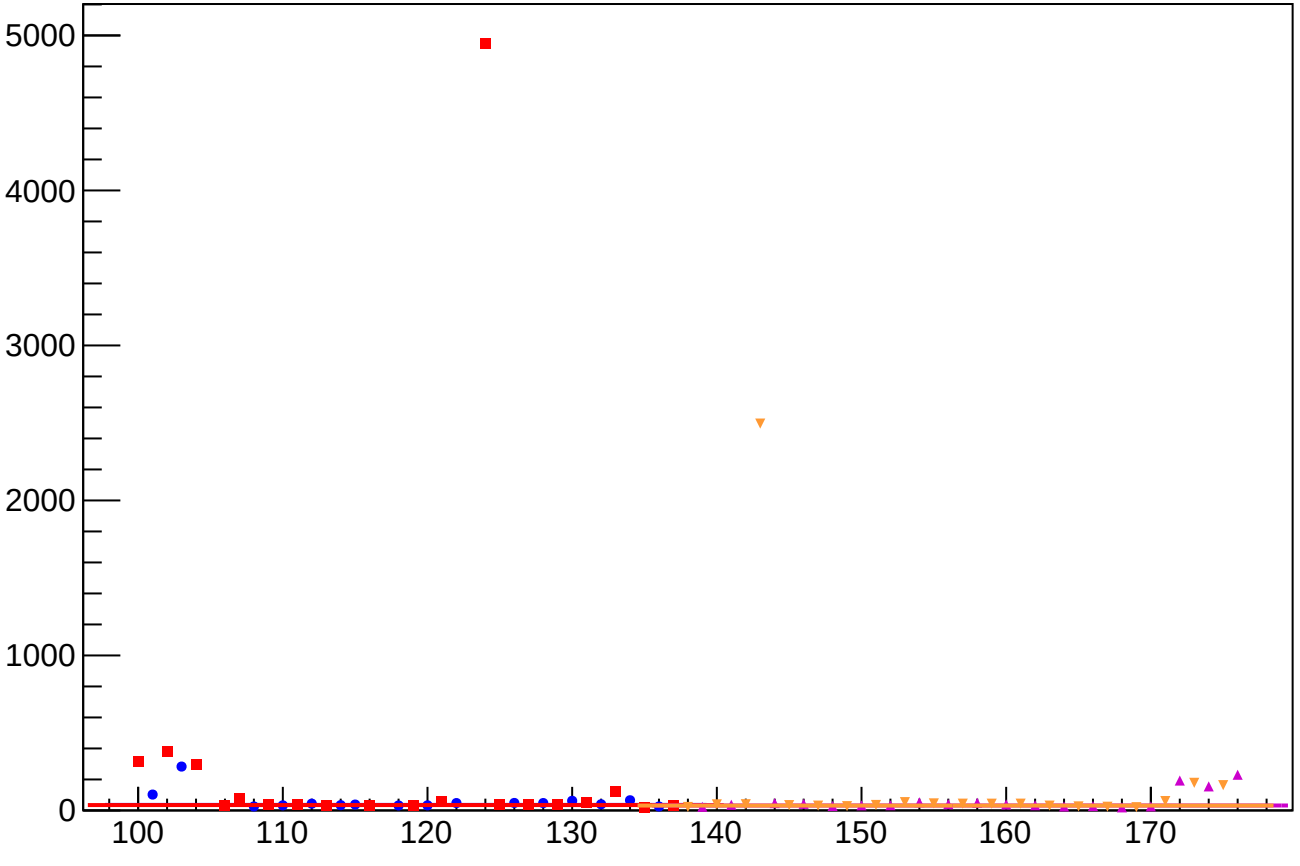
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

Left: 31.853+/-0.005 χ^2/NDF: 9949118.0/38

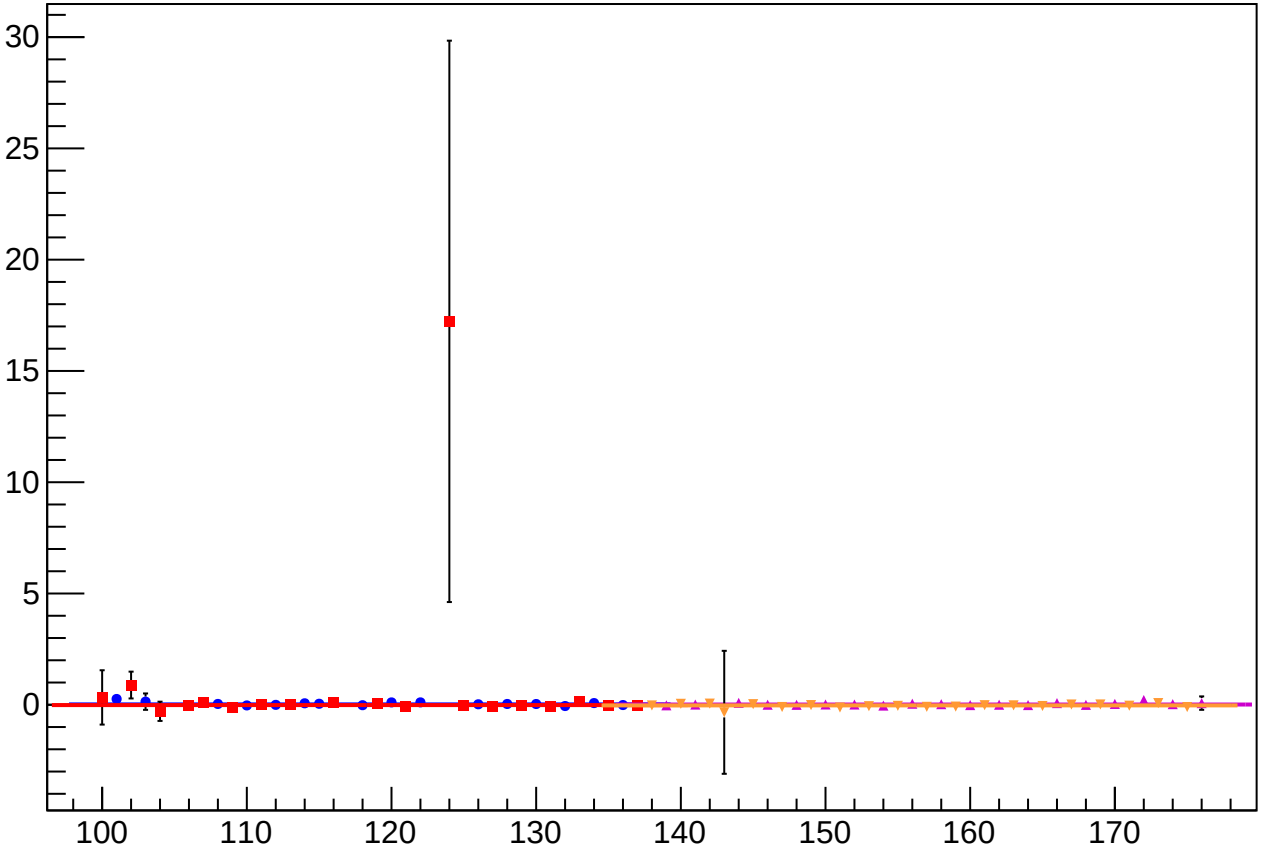
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

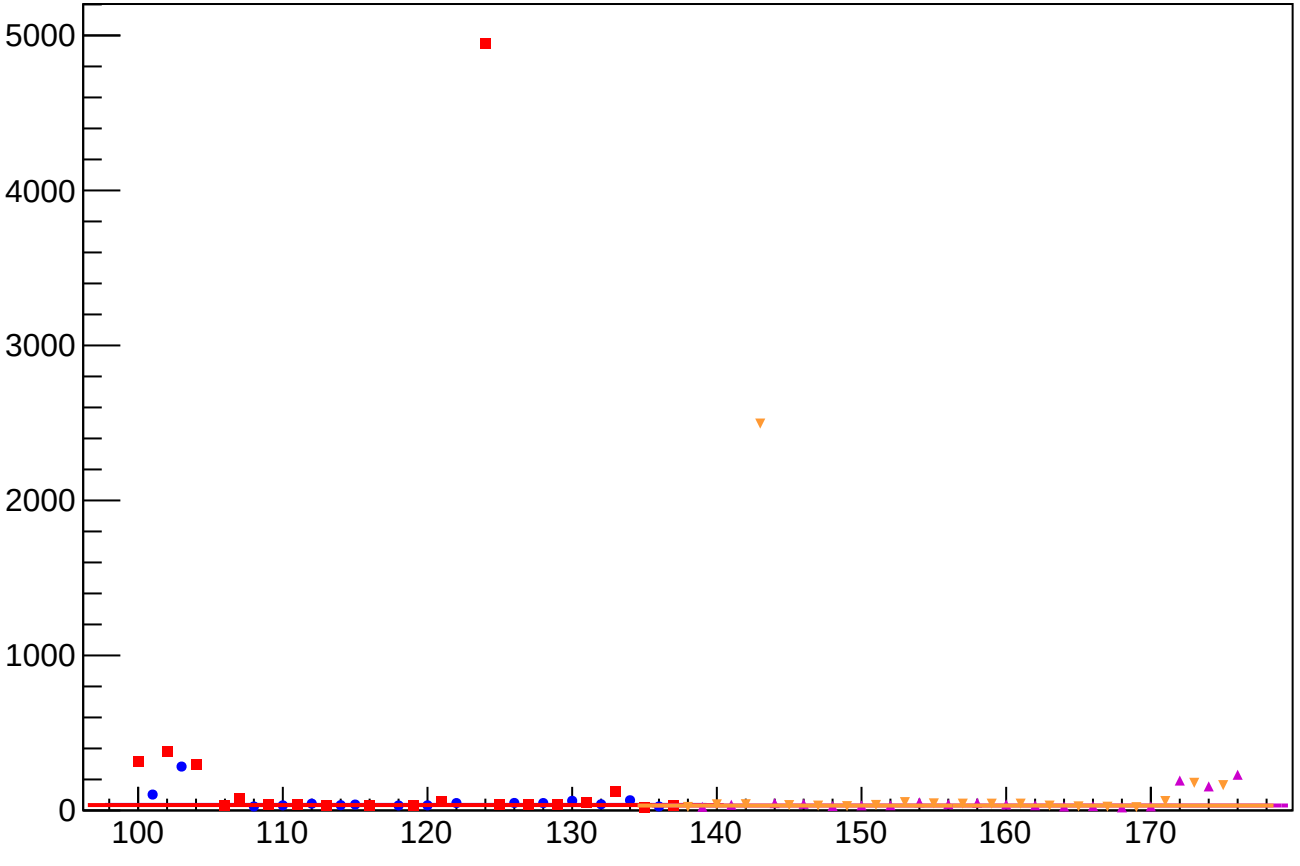
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

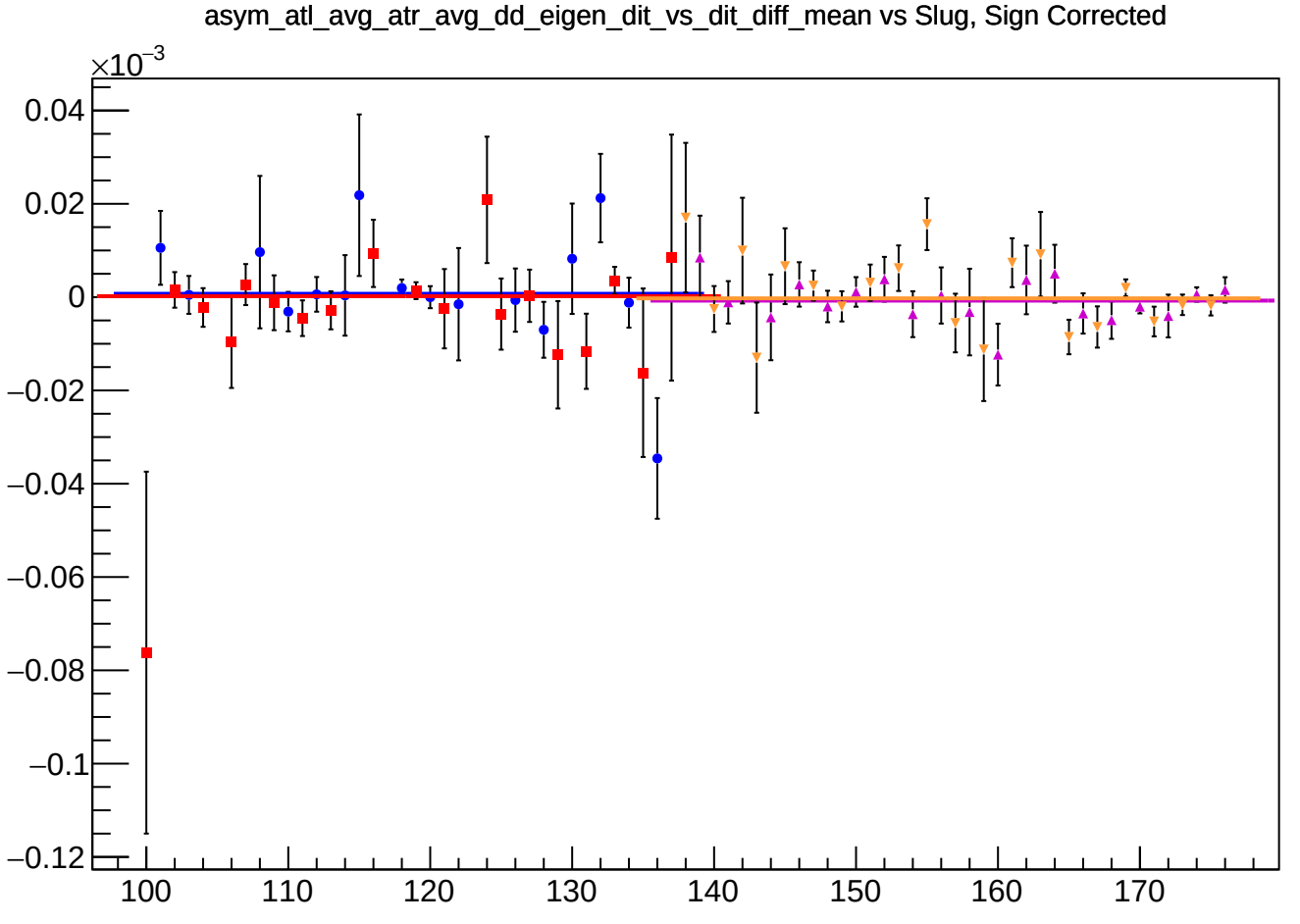
Left: 31.853+/-0.005 χ^2/NDF: 9949118.0/38

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

Left: -0.000+/-0.000 χ^2/NDF: 44.8/38

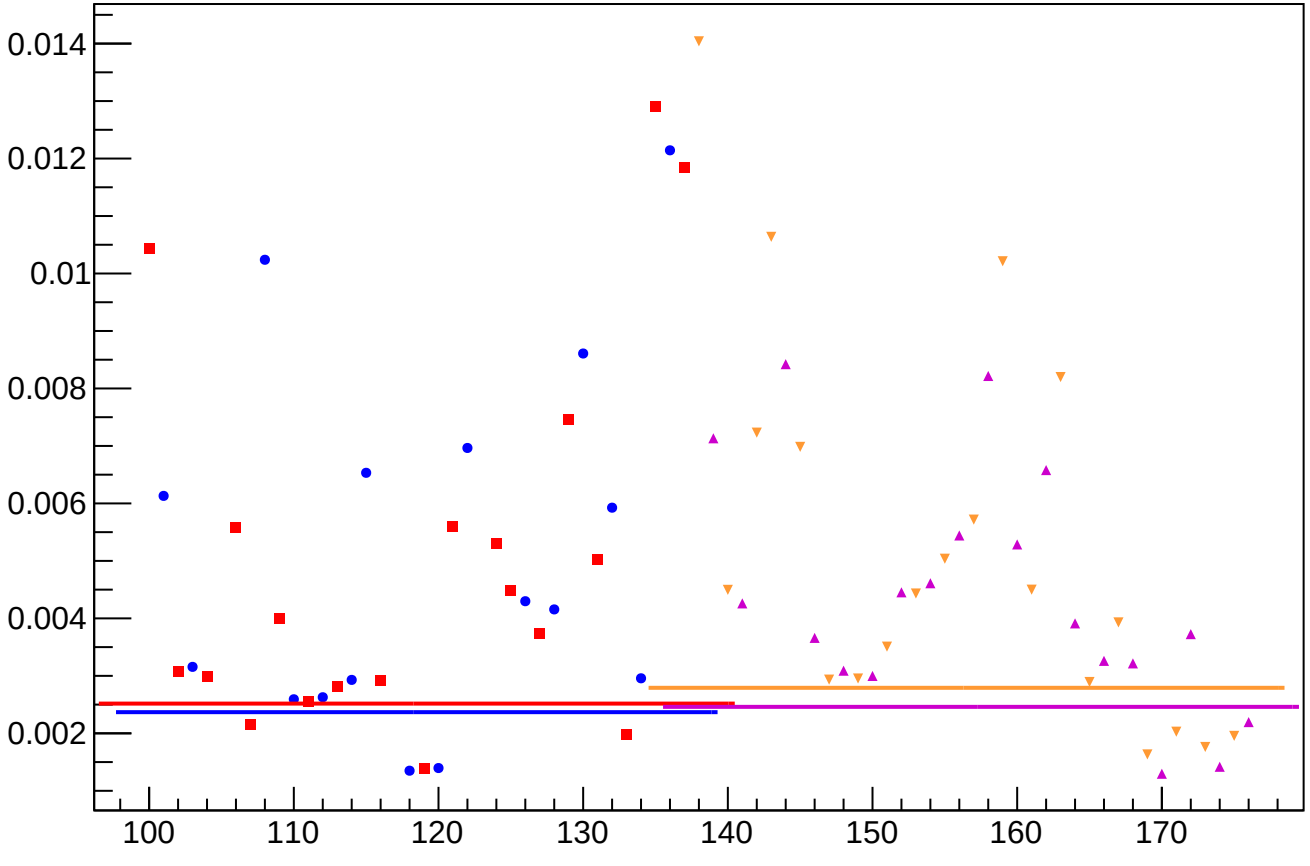
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/34

Out: -0.000+/-0.000 χ^2/NDF:50.6/38

All: -0.000+/-0.000 χ^2/NDF: 83.1/73

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7628338.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7563029.6/18

Left: 0.003+/-0.000 χ^2/NDF: 15361873.4/38

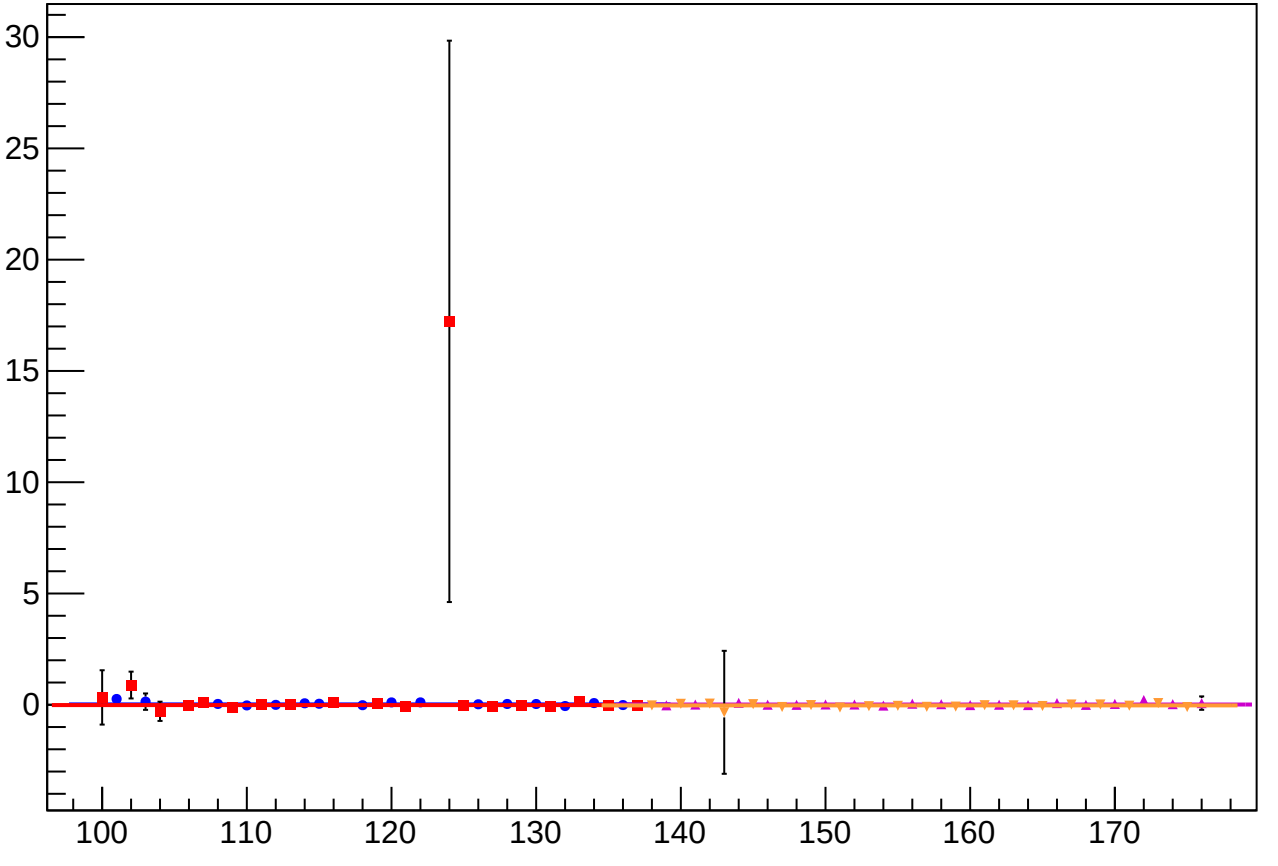
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12294052.4/34

Out: 0.003+/-0.000 χ^2/NDF:11108280.0/38

All: 0.003+/-0.000 χ^2/NDF: 23561191.5/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

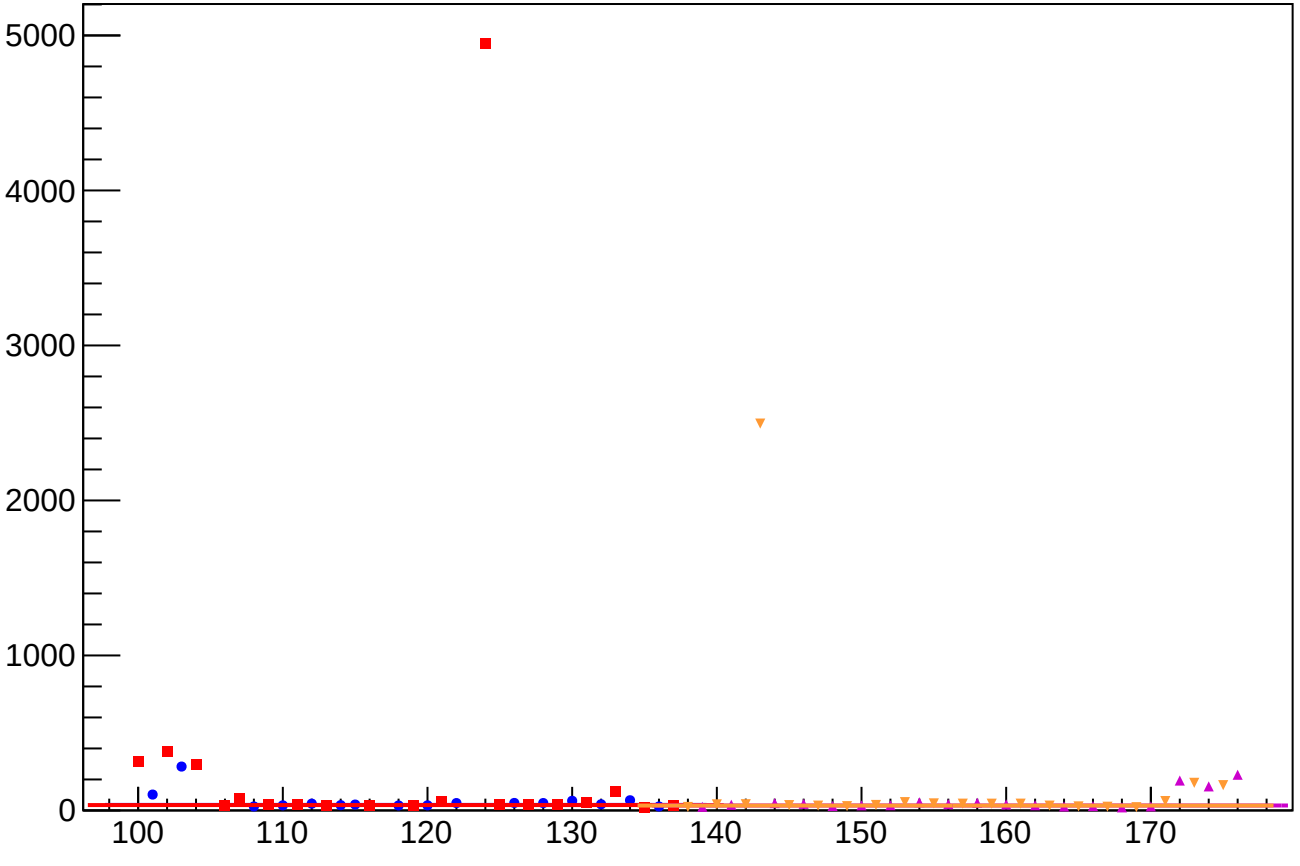
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

Left: 31.852+/-0.005 χ^2/NDF: 9949955.1/38

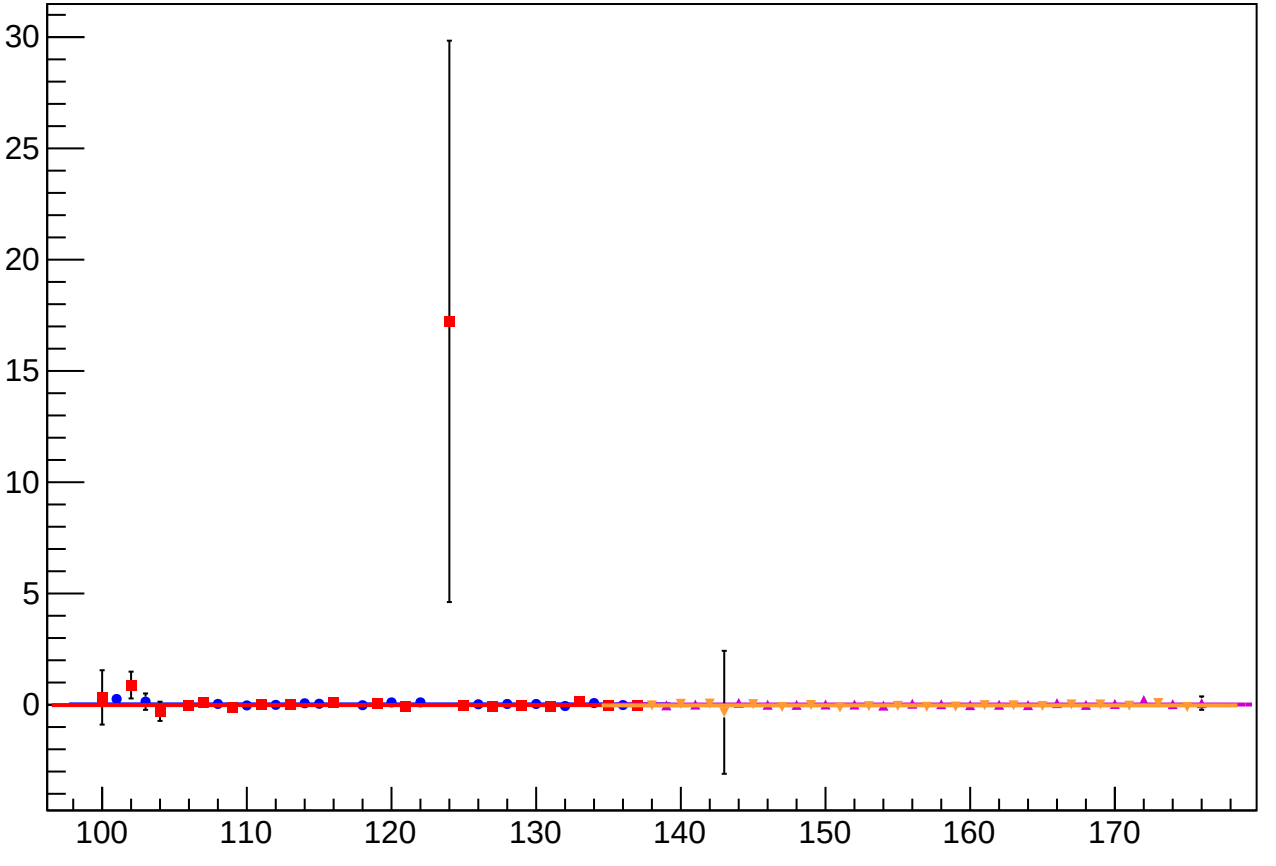
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

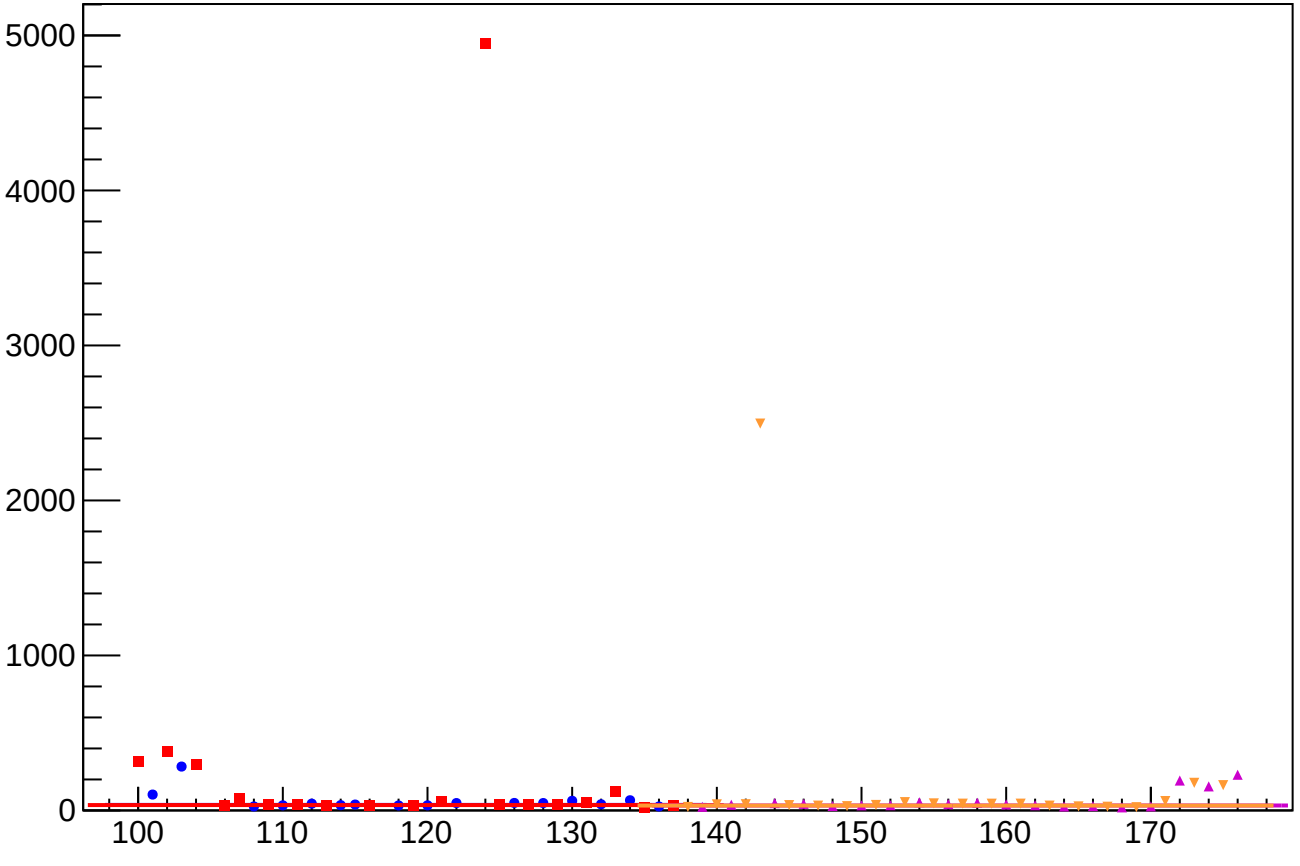
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

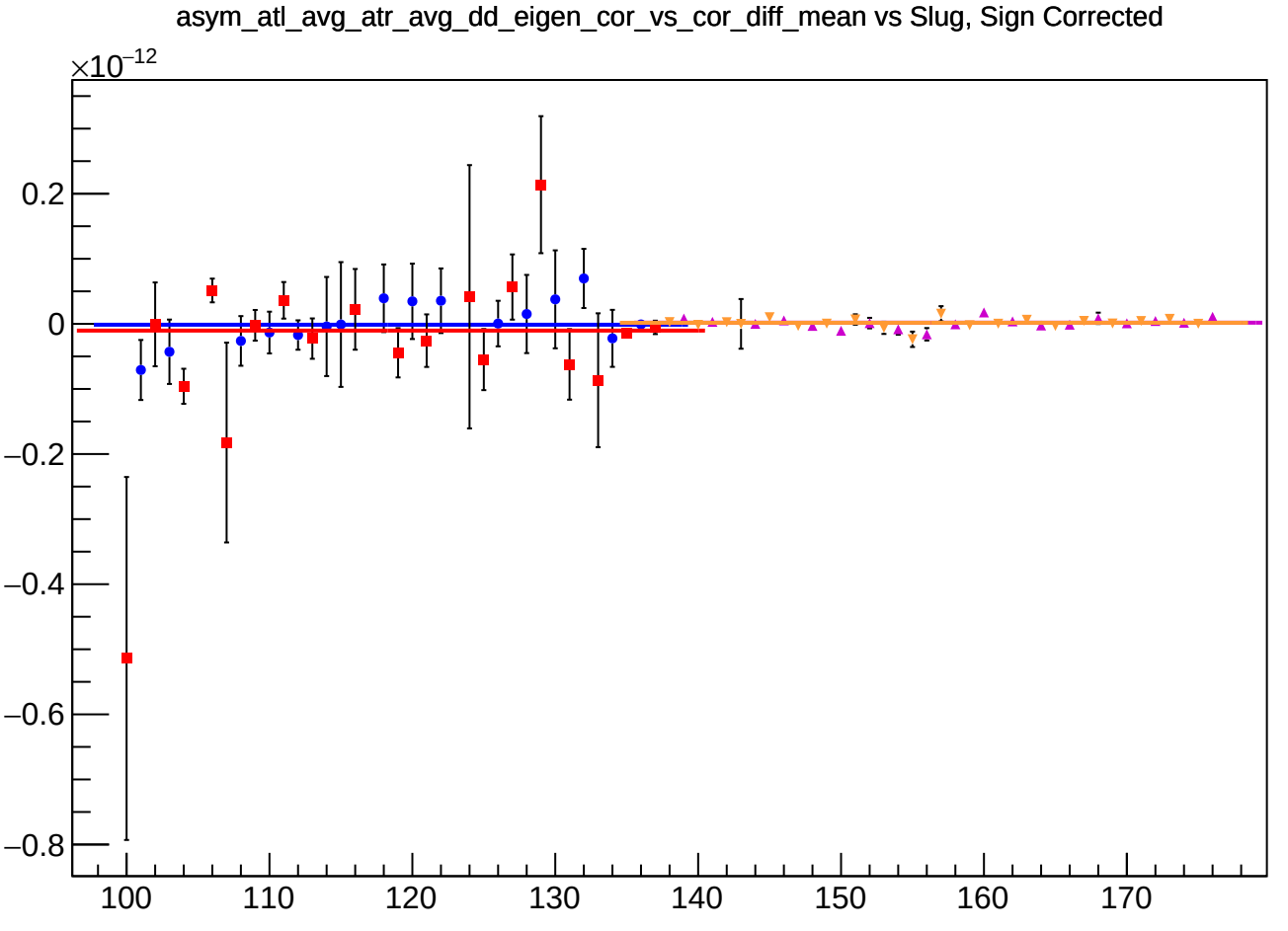
Left: 31.852+/-0.005 χ^2/NDF: 9949955.1/38

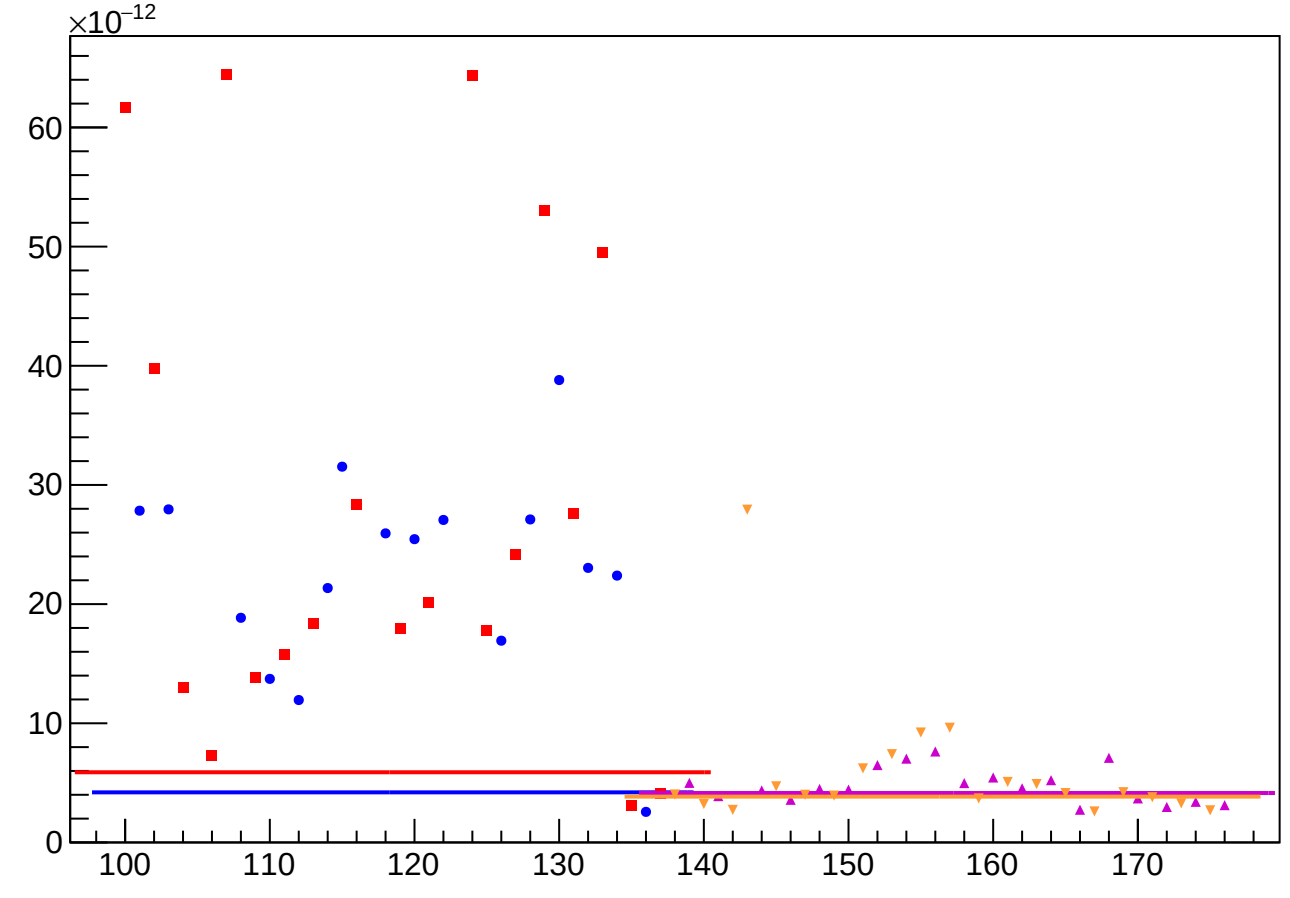
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:14.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:22.9/18
Left: 0.000+/-0.000 χ²/NDF: 37.8/38
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:32.3/34
Out: 0.000+/-0.000 χ²/NDF:62.4/38
All: 0.000+/-0.000 χ²/NDF: 94.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1659285.4/18

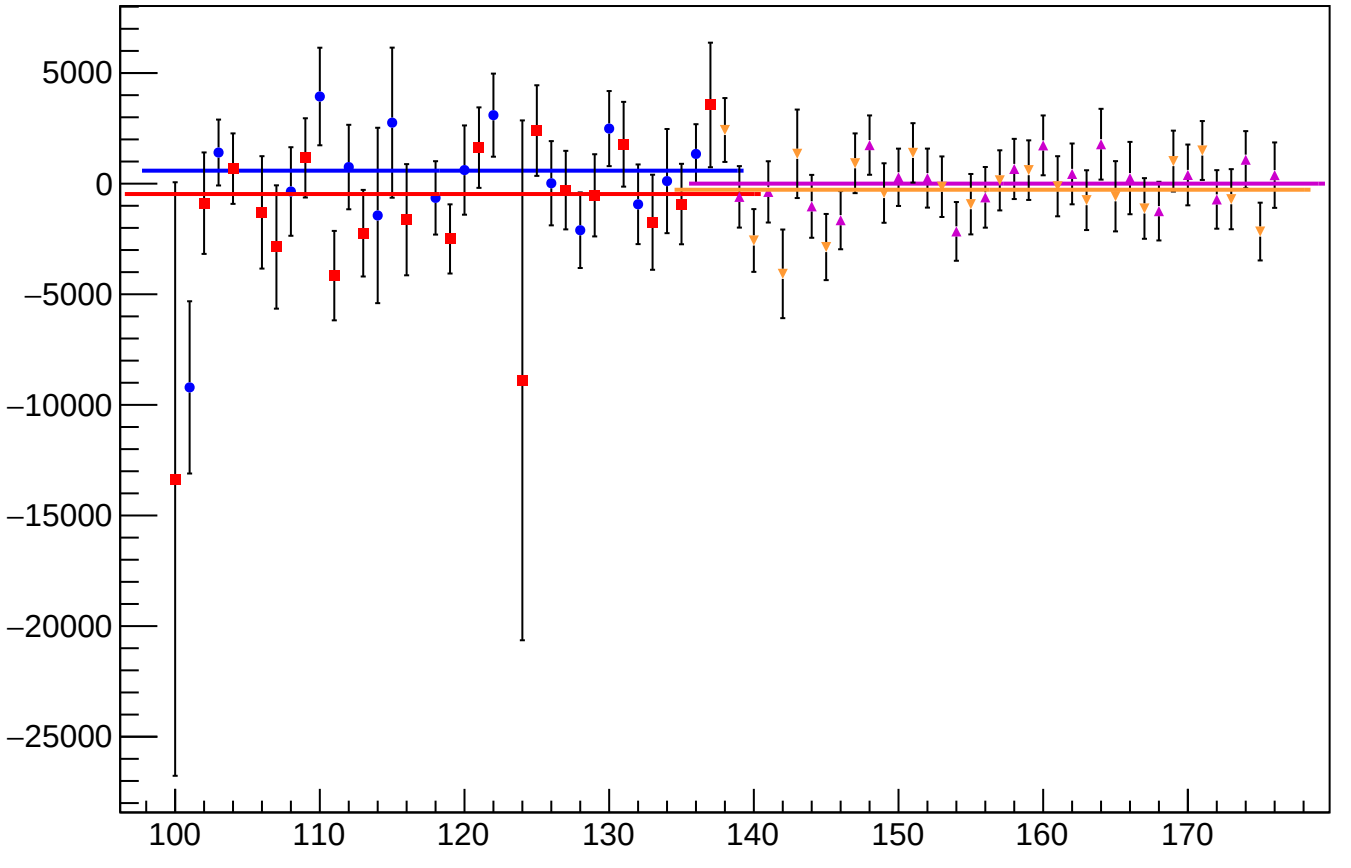
Left: 0.000+/-0.000 χ^2/NDF: 4644256.2/38

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6739969.7/34

Out: 0.000+/-0.000 χ^2/NDF:8228986.5/38

All: 0.000+/-0.000 χ^2/NDF: 14982393.7/73



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 1.147+/-315.722 χ^2/NDF:12.2/18

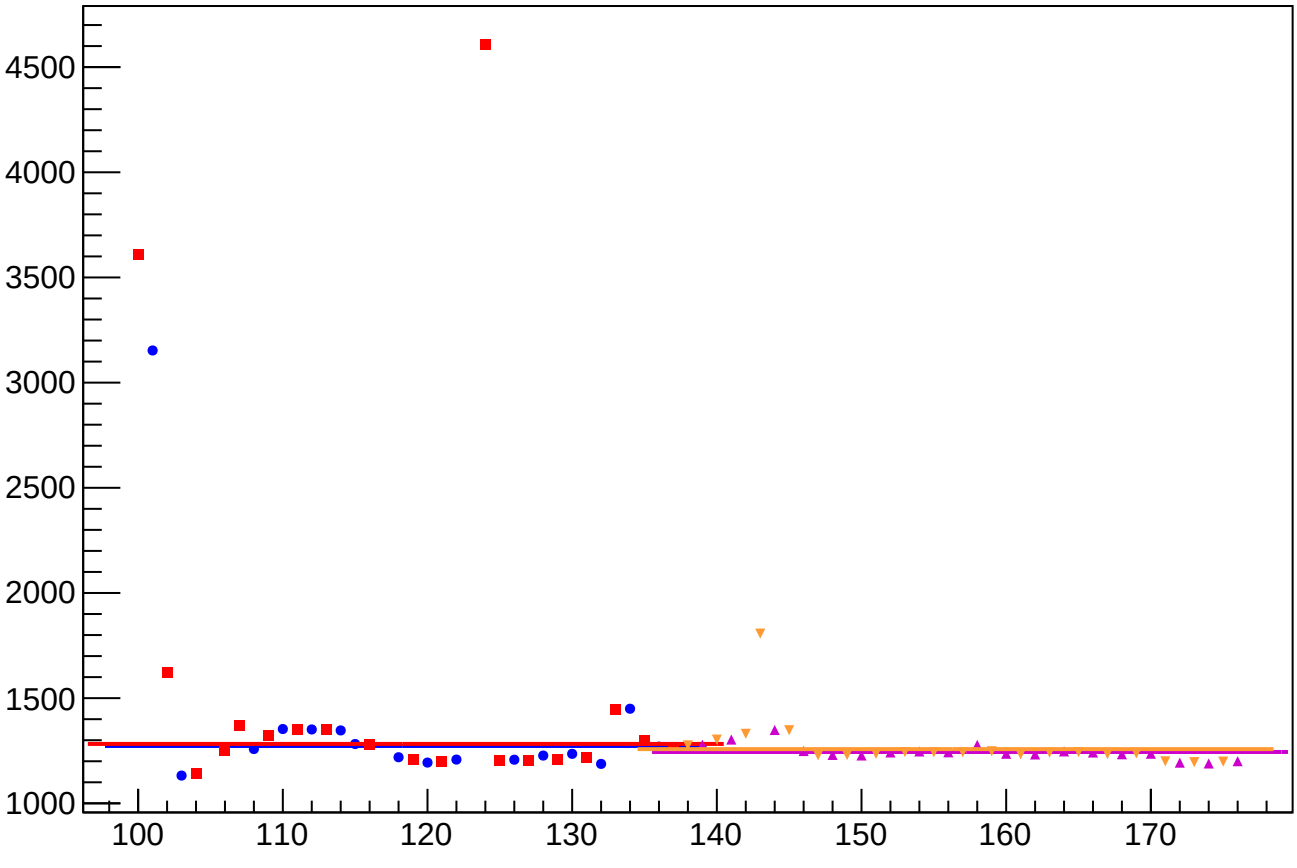
Left: -136.587+/-223.539 χ^2/NDF: 34.5/38

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 176.802+/-264.178 χ^2/NDF:30.3/34

Out: -333.742+/-264.341 χ^2/NDF:38.9/38

All: -78.313+/-186.860 χ^2/NDF: 71.1/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

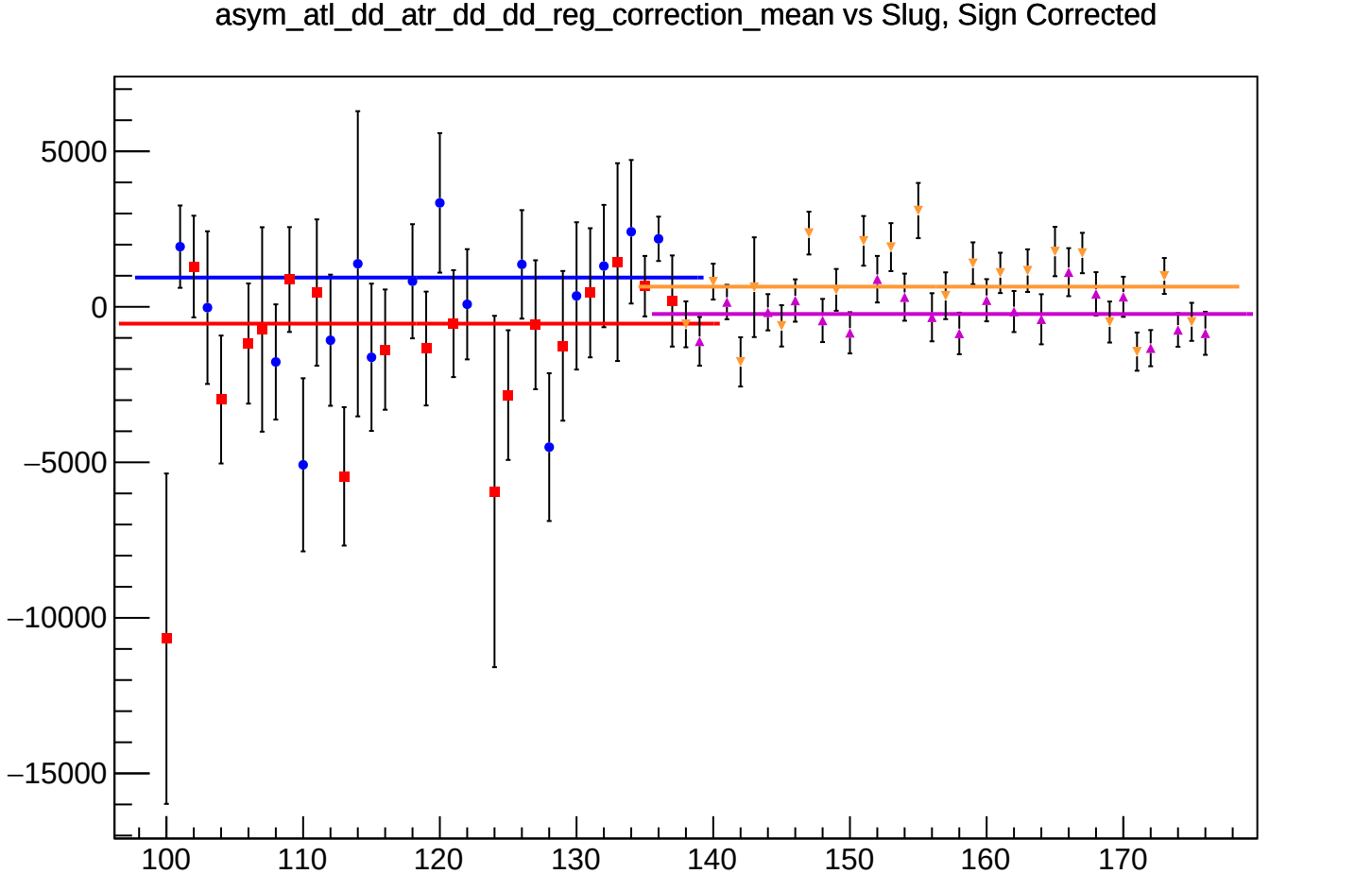
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1252.732+/-0.187 χ^2/NDF:550445.7/34

Out: 1265.144+/-0.187 χ^2/NDF:506240.9/38

All: 1258.934+/-0.132 χ^2/NDF: 1058892.5/73



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -230.589+/-153.626 χ^2/NDF:17.1/18

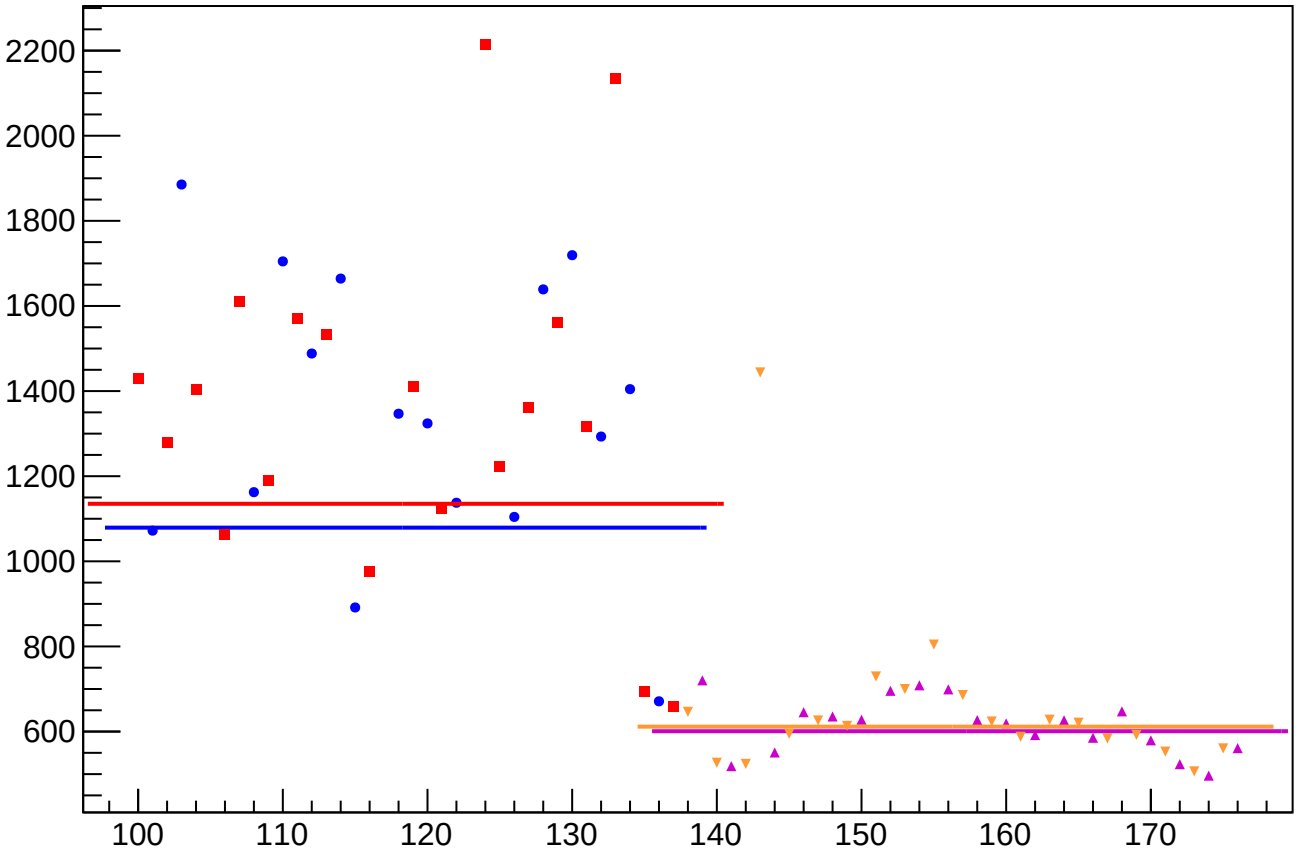
Left: 201.738+/-109.521 χ^2/NDF: 94.4/38

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -95.580+/-144.510 χ^2/NDF:43.7/34

Out: 515.438+/-147.178 χ^2/NDF:84.9/38

All: 204.341+/-103.114 χ^2/NDF: 137.3/73



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

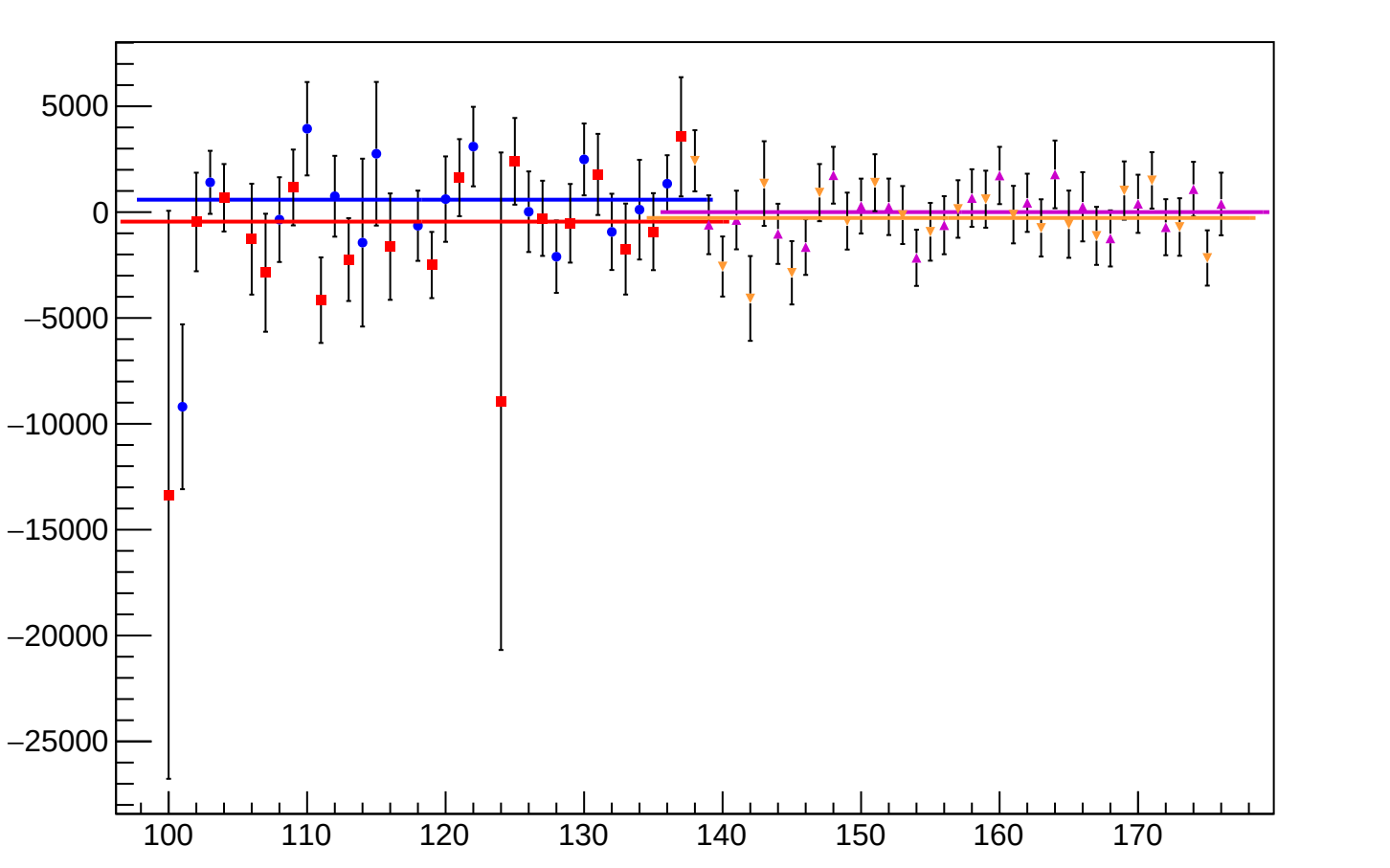
Left: 606.089+/-0.077 χ^2/NDF: 1272969.8/38

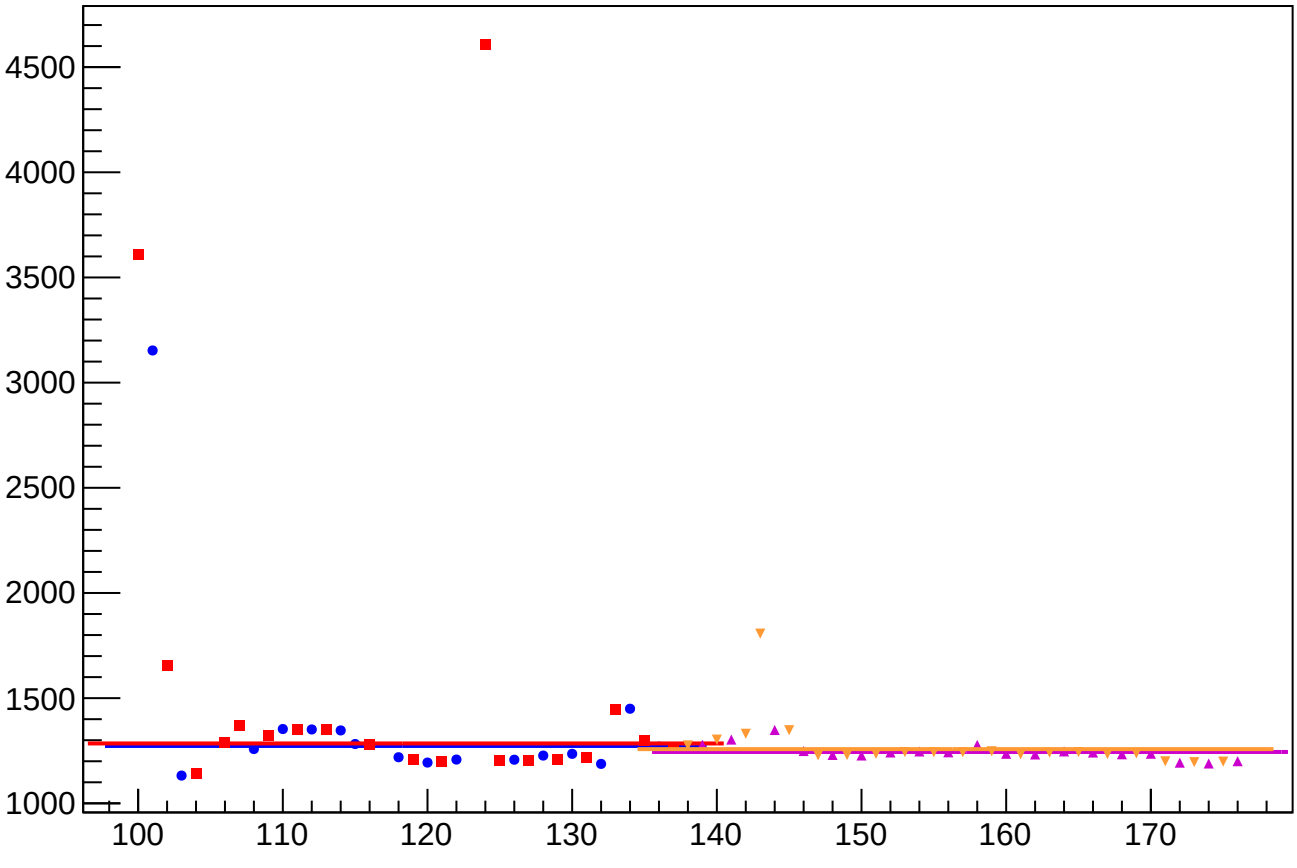
Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 655.884+/-0.102 χ^2/NDF:4077412.1/34

Out: 670.166+/-0.104 χ^2/NDF:4715132.6/38

All: 662.894+/-0.073 χ^2/NDF: 8802134.5/73


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: -275.098+/-316.543 χ²/NDF:21.9/19
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: 1.108+/-315.722 χ²/NDF:12.2/18
Left: -136.636+/-223.539 χ²/NDF: 34.5/38
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 176.870+/-264.178 χ²/NDF:30.3/34
Out: -327.424+/-264.477 χ²/NDF:38.8/38
All: -74.992+/-186.908 χ²/NDF: 70.9/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

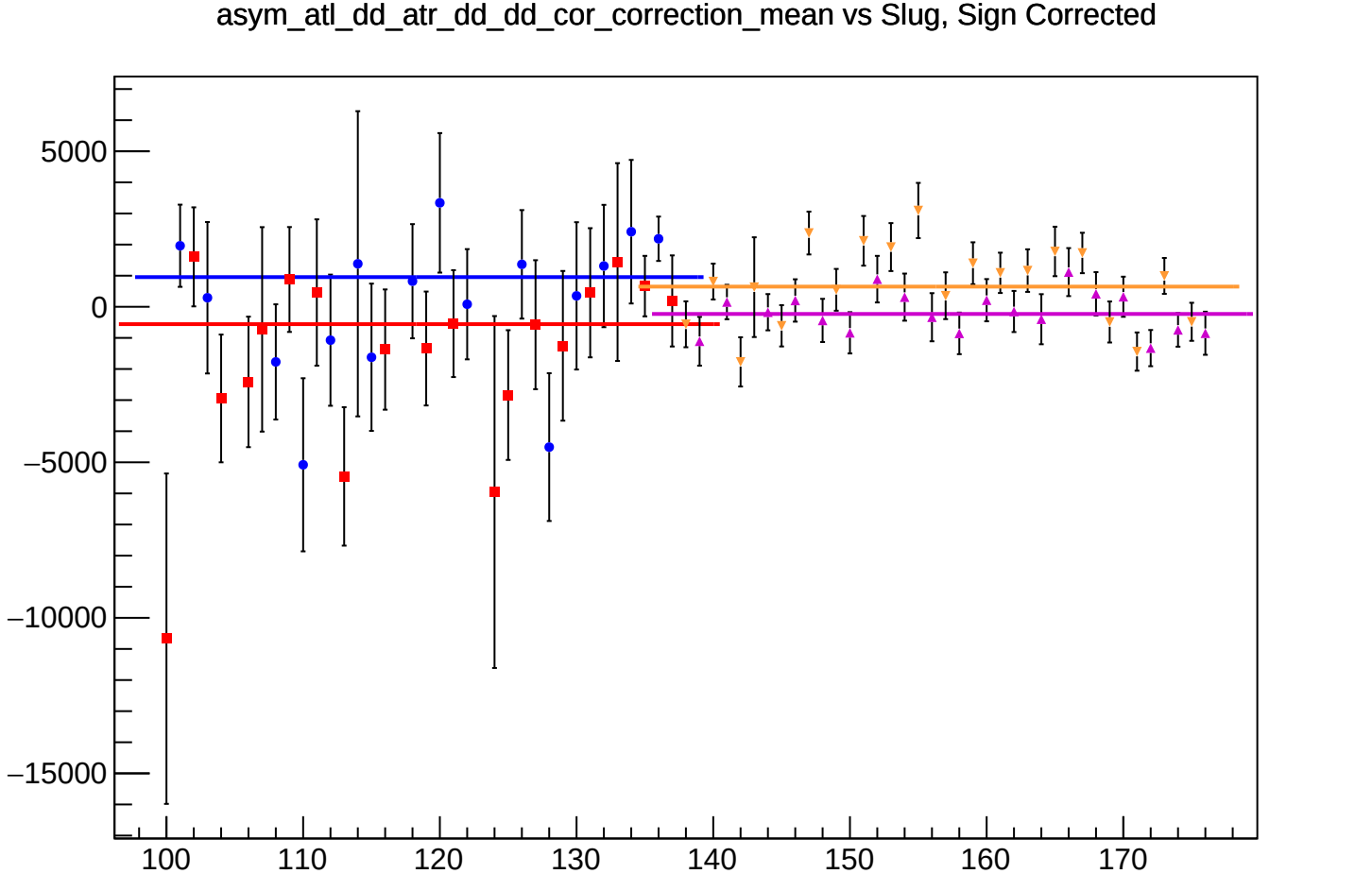
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -230.565+/-153.625 χ^2/NDF:17.1/18

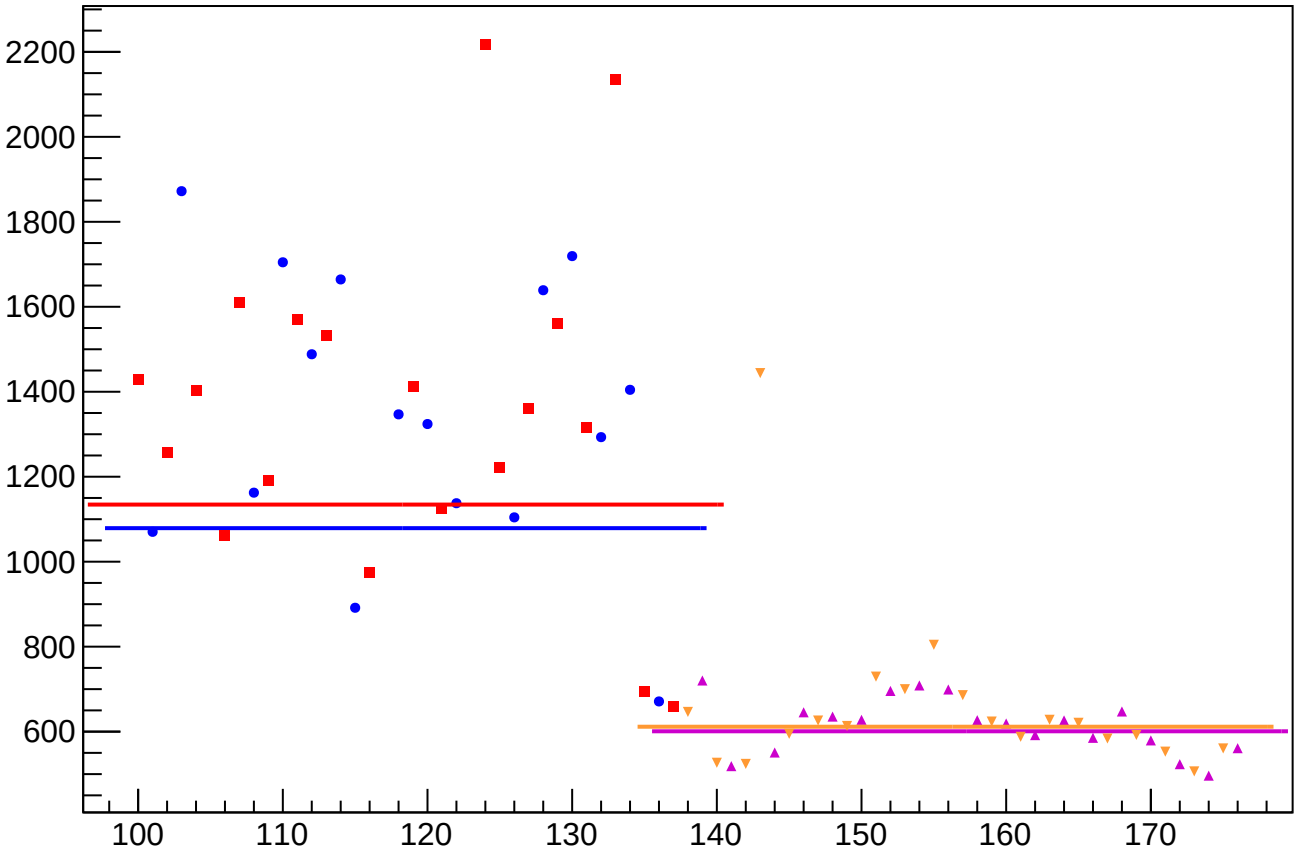
Left: 201.756+/-109.521 χ^2/NDF: 94.4/38

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -94.033+/-144.502 χ^2/NDF:43.8/34

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 204.330+/-103.123 χ^2/NDF: 138.7/73



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

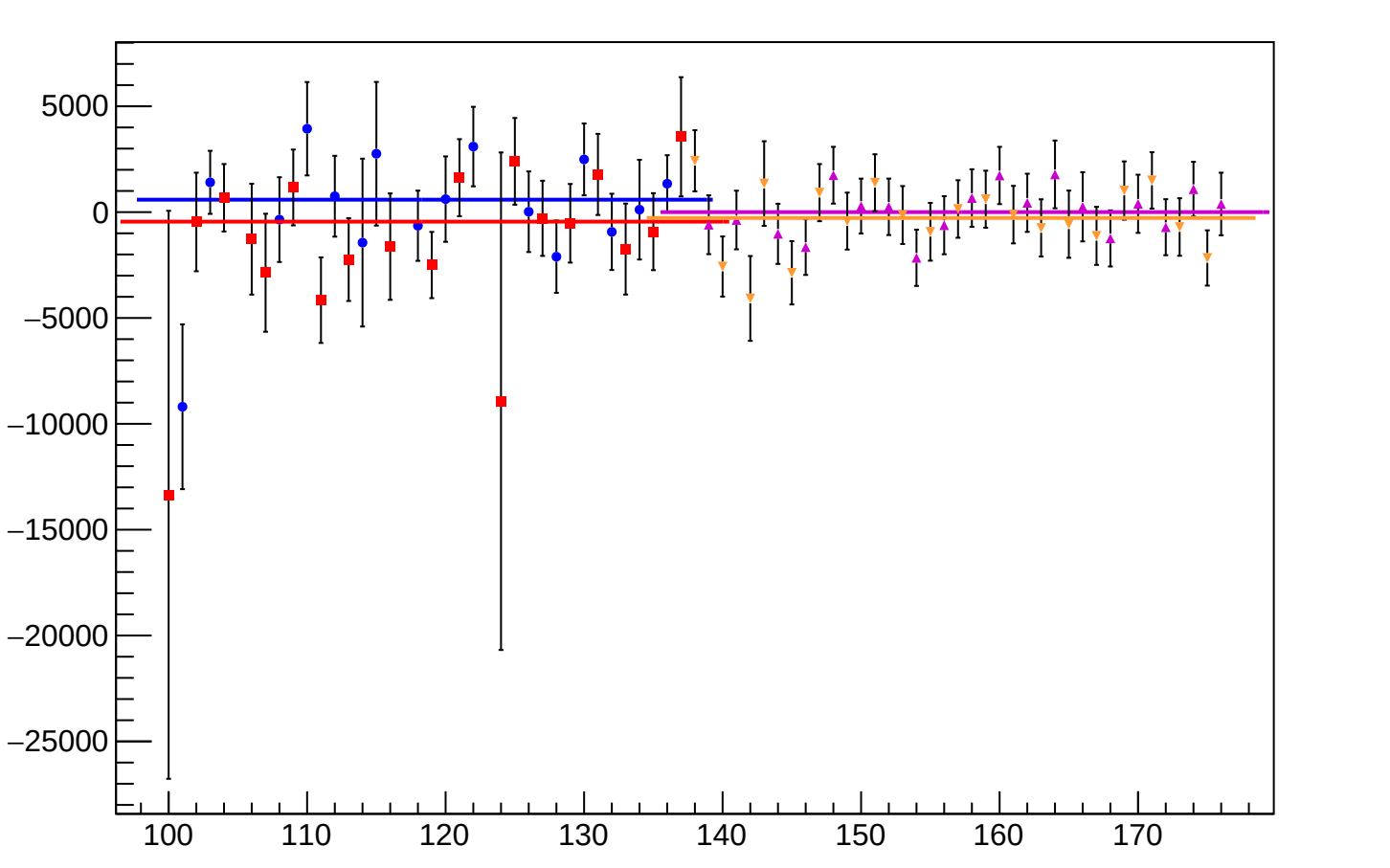
Left: 606.089+/-0.077 χ^2/NDF: 1272949.4/38

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

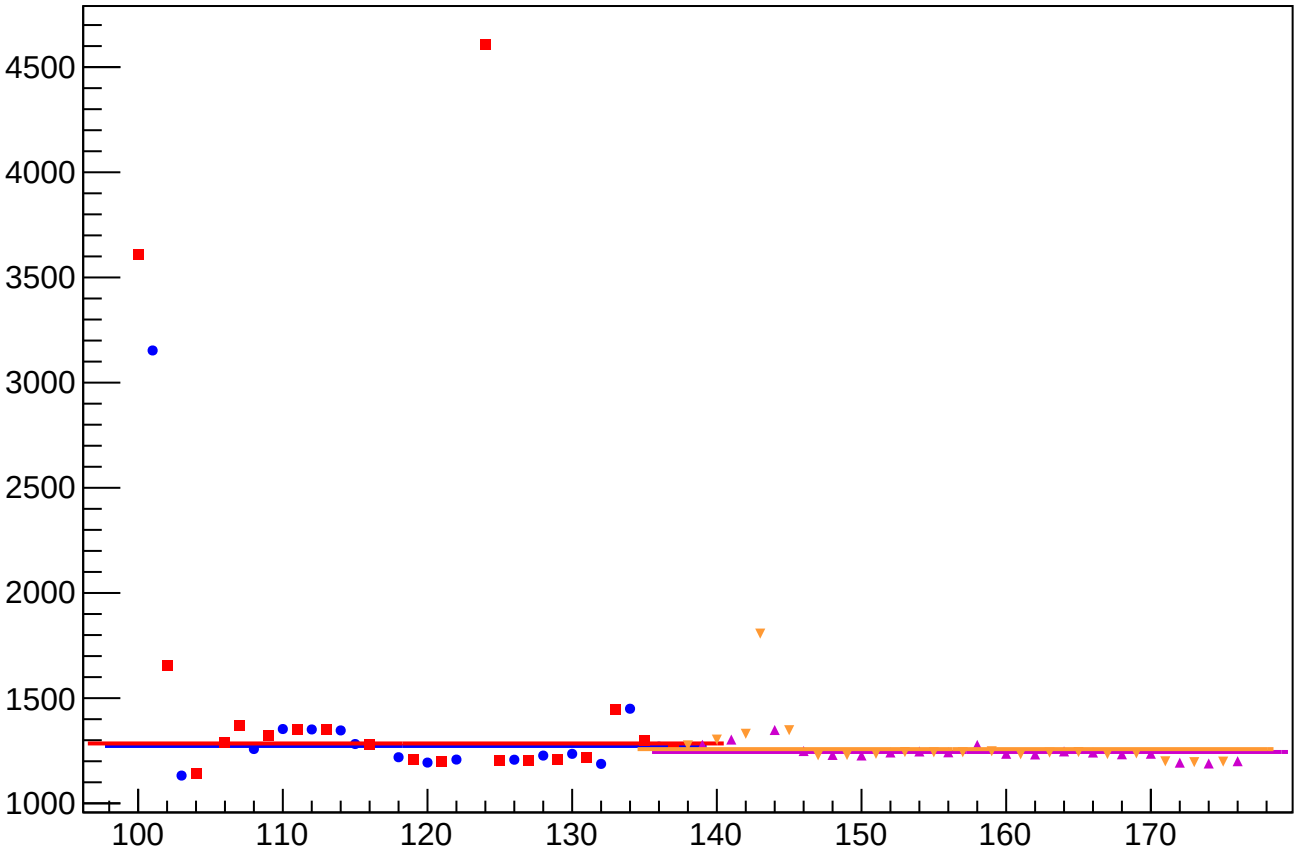
Left: -136.636+/-223.539 χ^2/NDF: 34.5/38

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -74.992+/-186.908 χ^2/NDF: 70.9/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

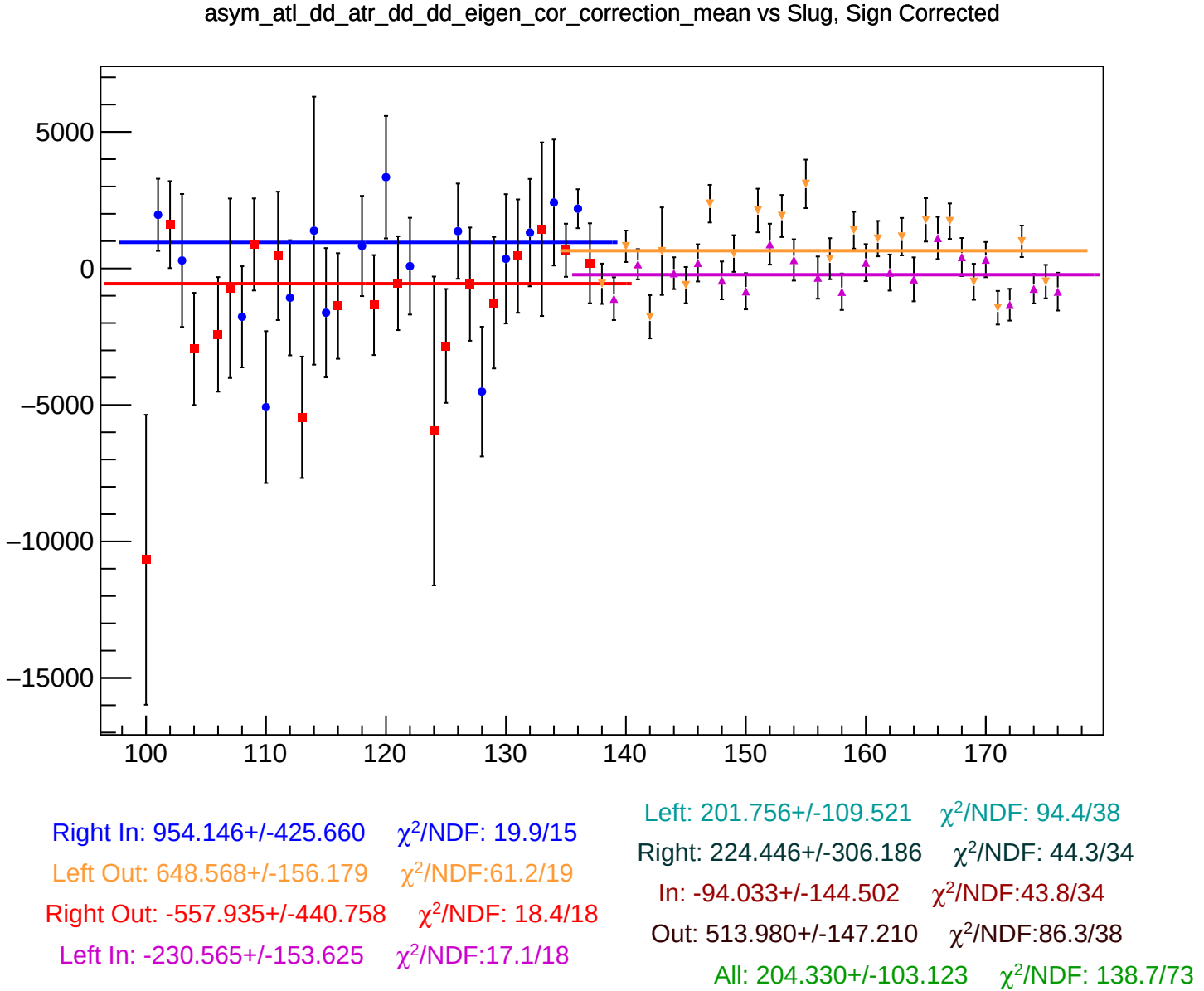
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

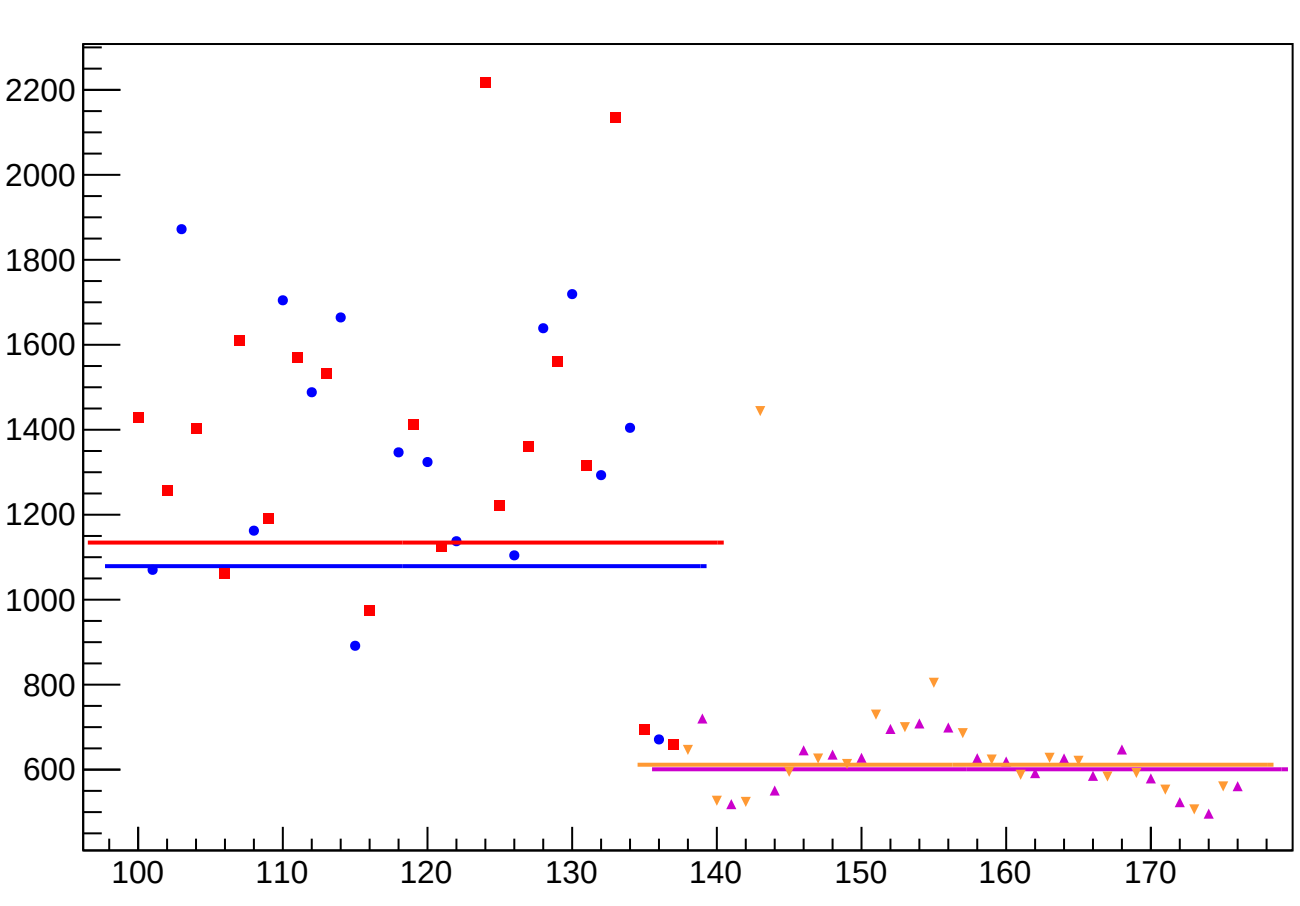
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73


asym_atl_dd_atr_dd_dd_eigen_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: 648.568+/-156.179 χ²/NDF:61.2/19
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -230.565+/-153.625 χ²/NDF:17.1/18
Left: 201.756+/-109.521 χ²/NDF: 94.4/38
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -94.033+/-144.502 χ²/NDF:43.8/34
Out: 513.980+/-147.210 χ²/NDF:86.3/38
All: 204.330+/-103.123 χ²/NDF: 138.7/73



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

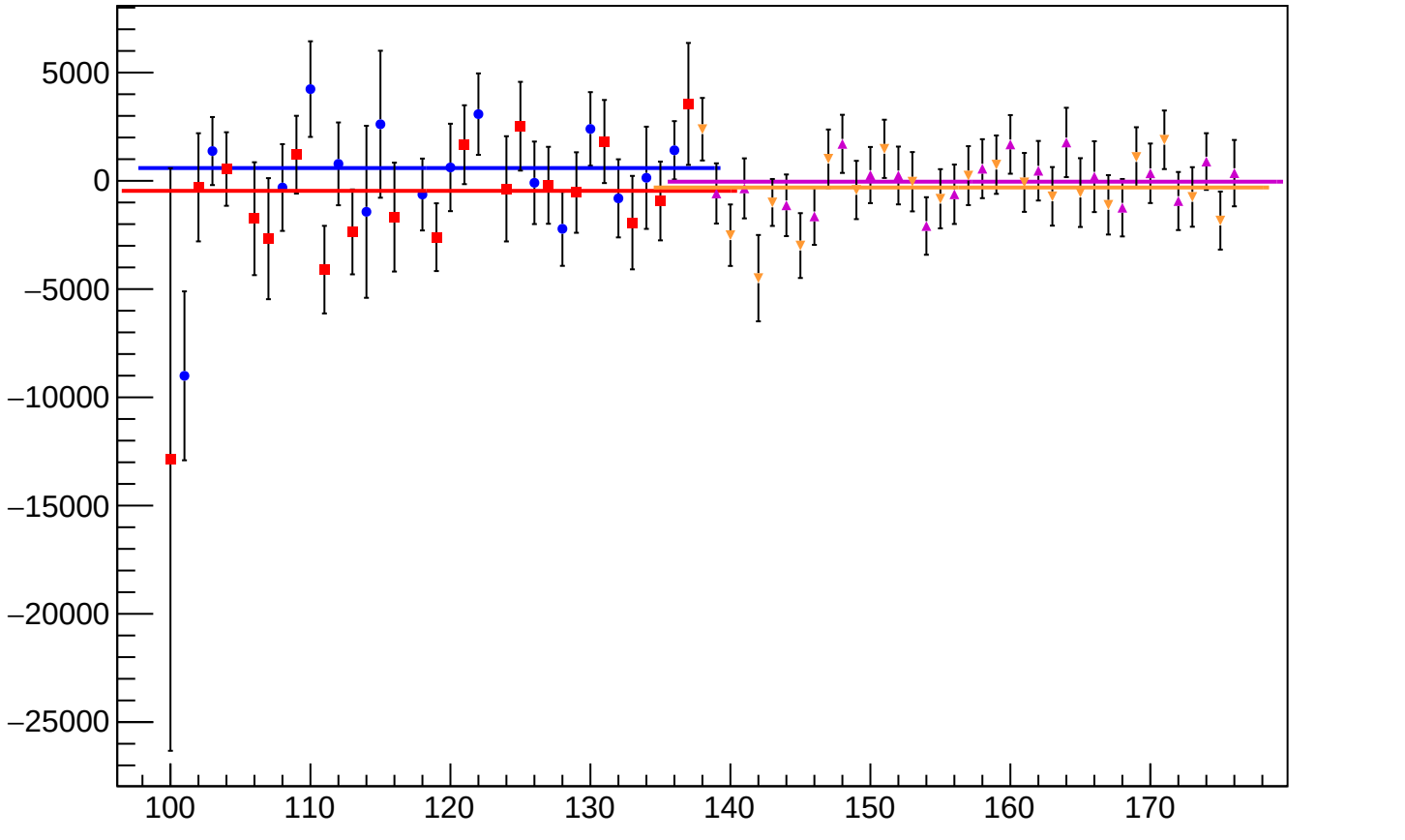
Left: 606.089+/-0.077 χ^2/NDF: 1272949.4/38

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

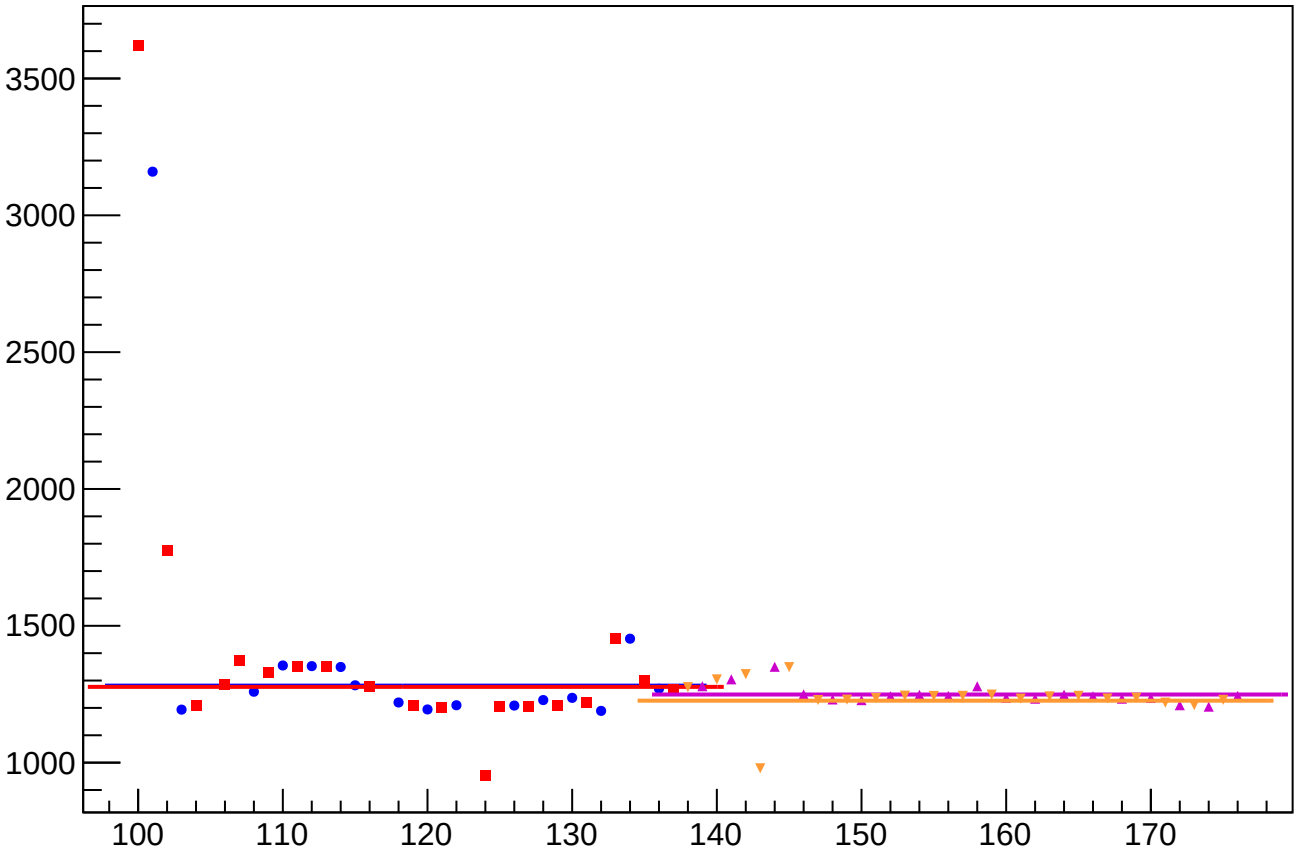
Left: -177.405+/-221.042 χ^2/NDF: 35.3/38

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 148.654+/-265.380 χ^2/NDF:30.1/34

Out: -353.603+/-258.983 χ^2/NDF:40.0/38

All: -108.602+/-185.349 χ^2/NDF: 71.9/73



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

Left: 1237.371+/-0.156 χ^2/NDF: 159556.8/38

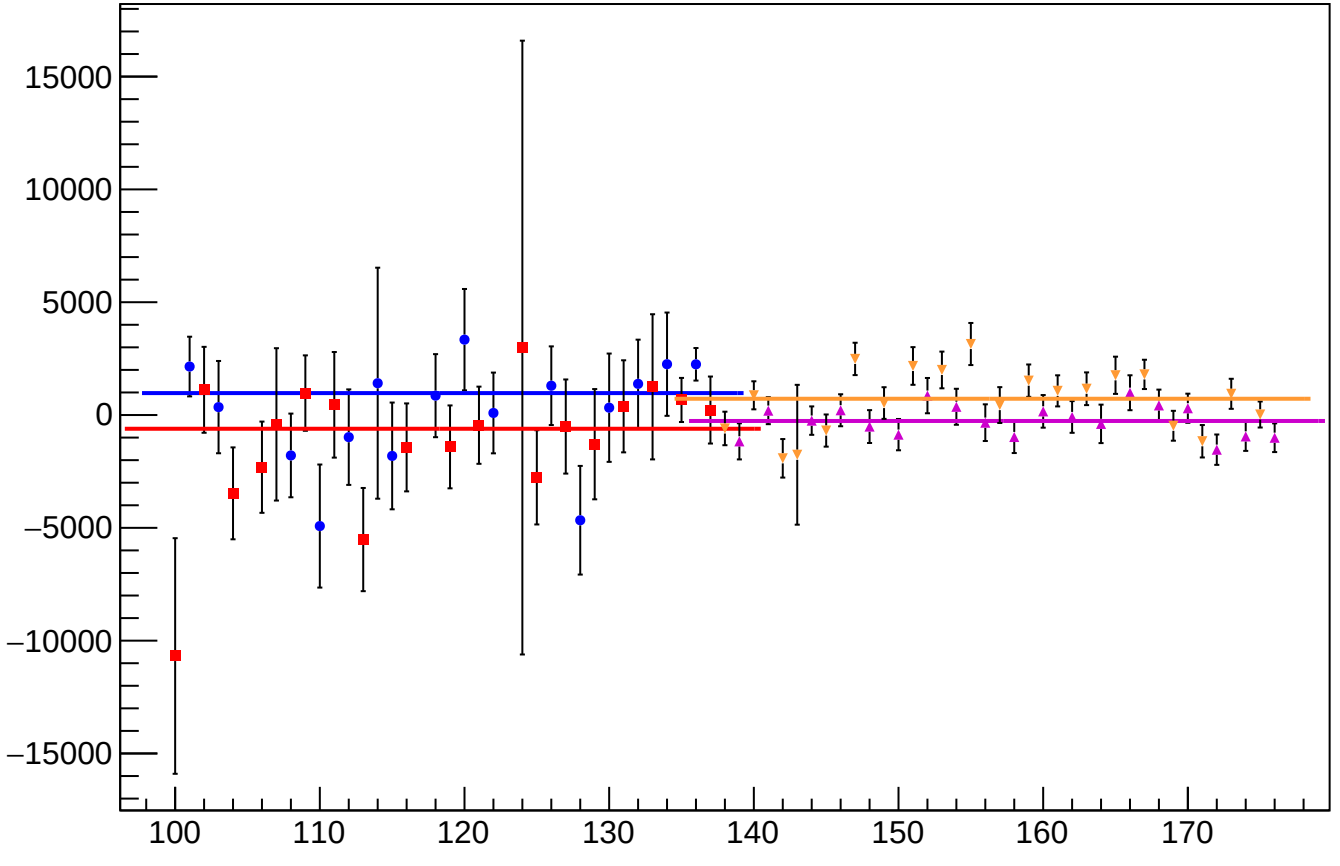
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534411.9/34

Out: 1241.285+/-0.183 χ^2/NDF:369577.2/38

All: 1249.751+/-0.131 χ^2/NDF: 908371.2/73

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.669+/-162.125 χ^2/NDF:17.7/18

Left: 220.503+/-115.617 χ^2/NDF: 89.6/38

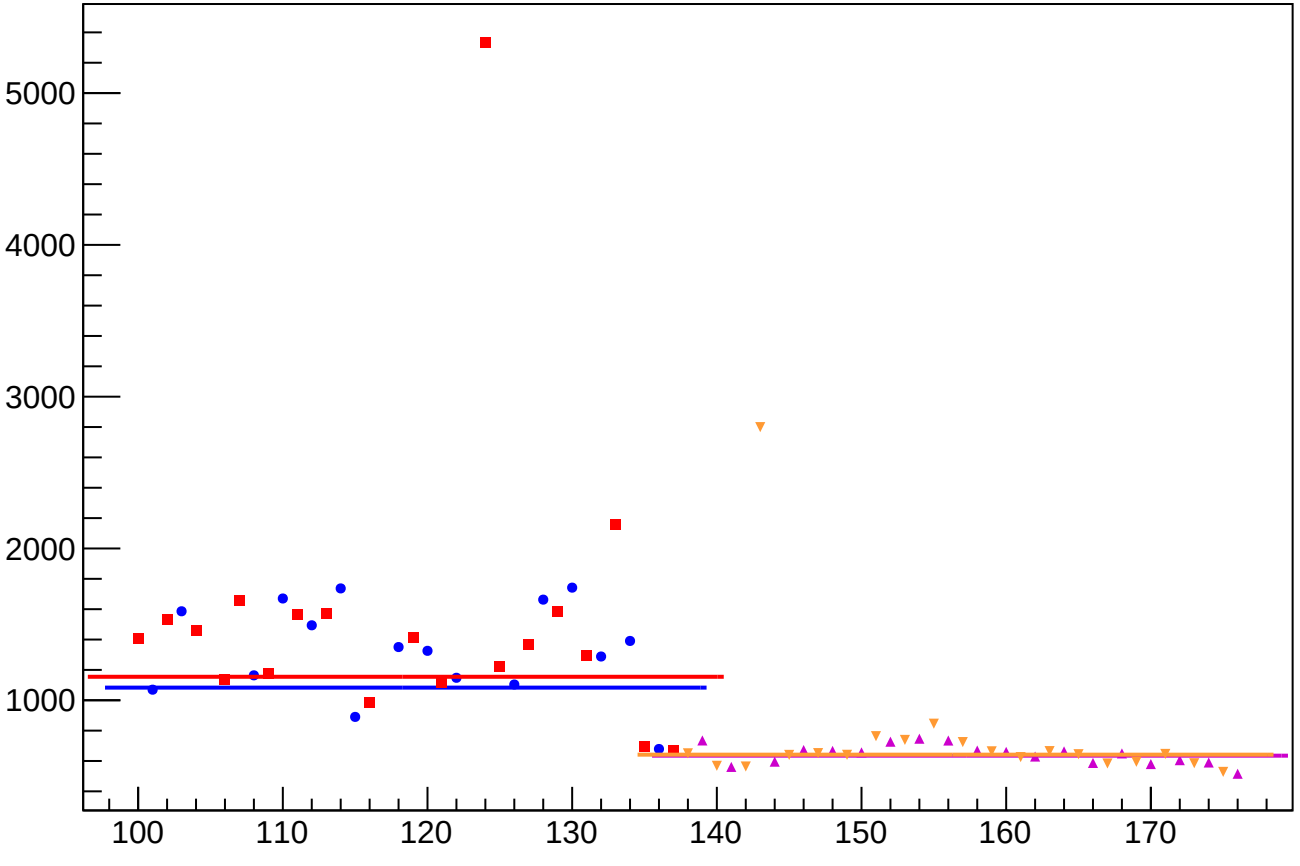
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -106.802+/-151.487 χ^2/NDF:45.6/34

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 220.770+/-108.256 χ^2/NDF: 133.8/73

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

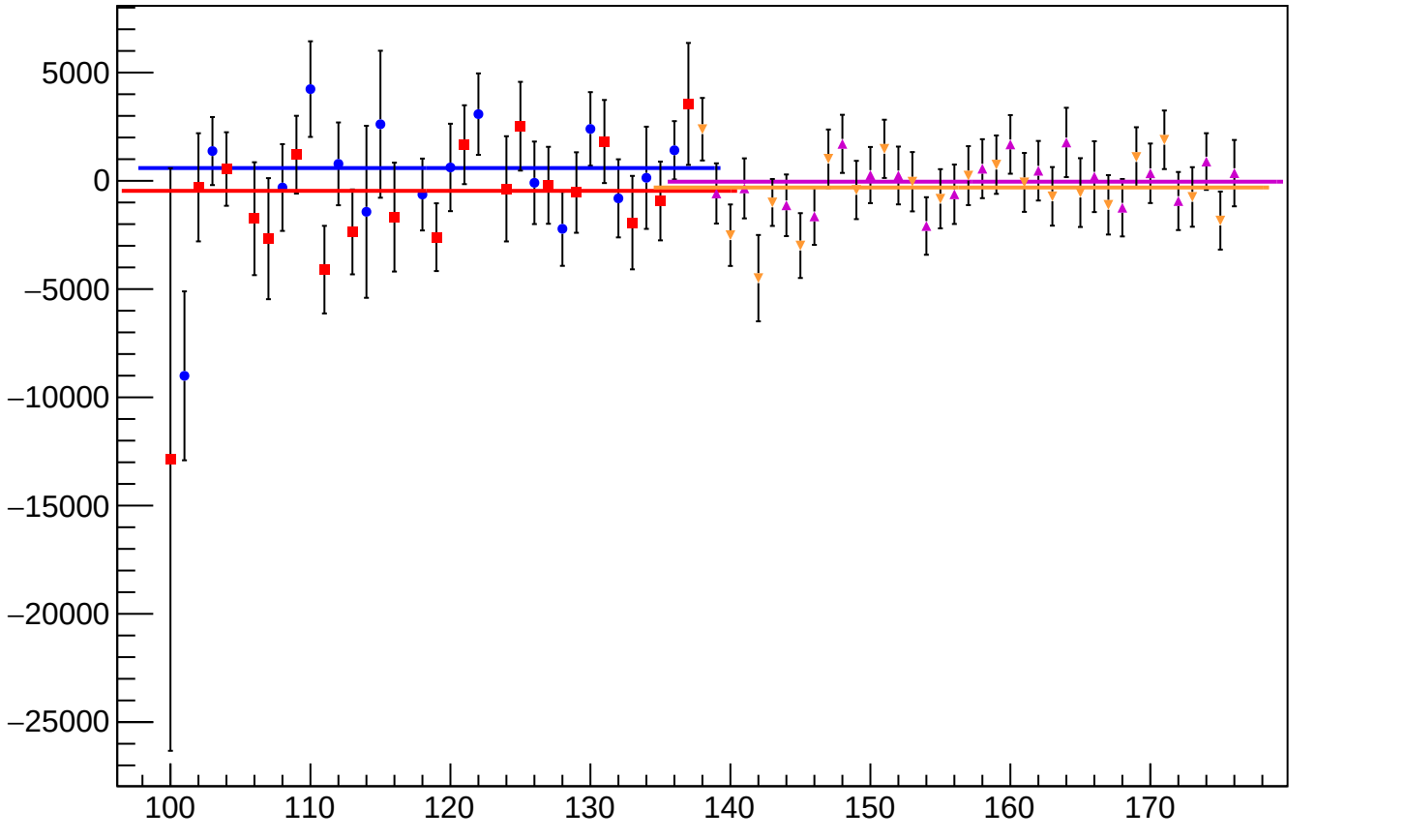
Left: 638.231+/-0.082 χ^2/NDF: 1621964.9/38

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 691.875+/-0.107 χ^2/NDF:3595827.9/34

Out: 702.911+/-0.109 χ^2/NDF:5127341.7/38

All: 697.275+/-0.077 χ^2/NDF: 8728364.1/73



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.986+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

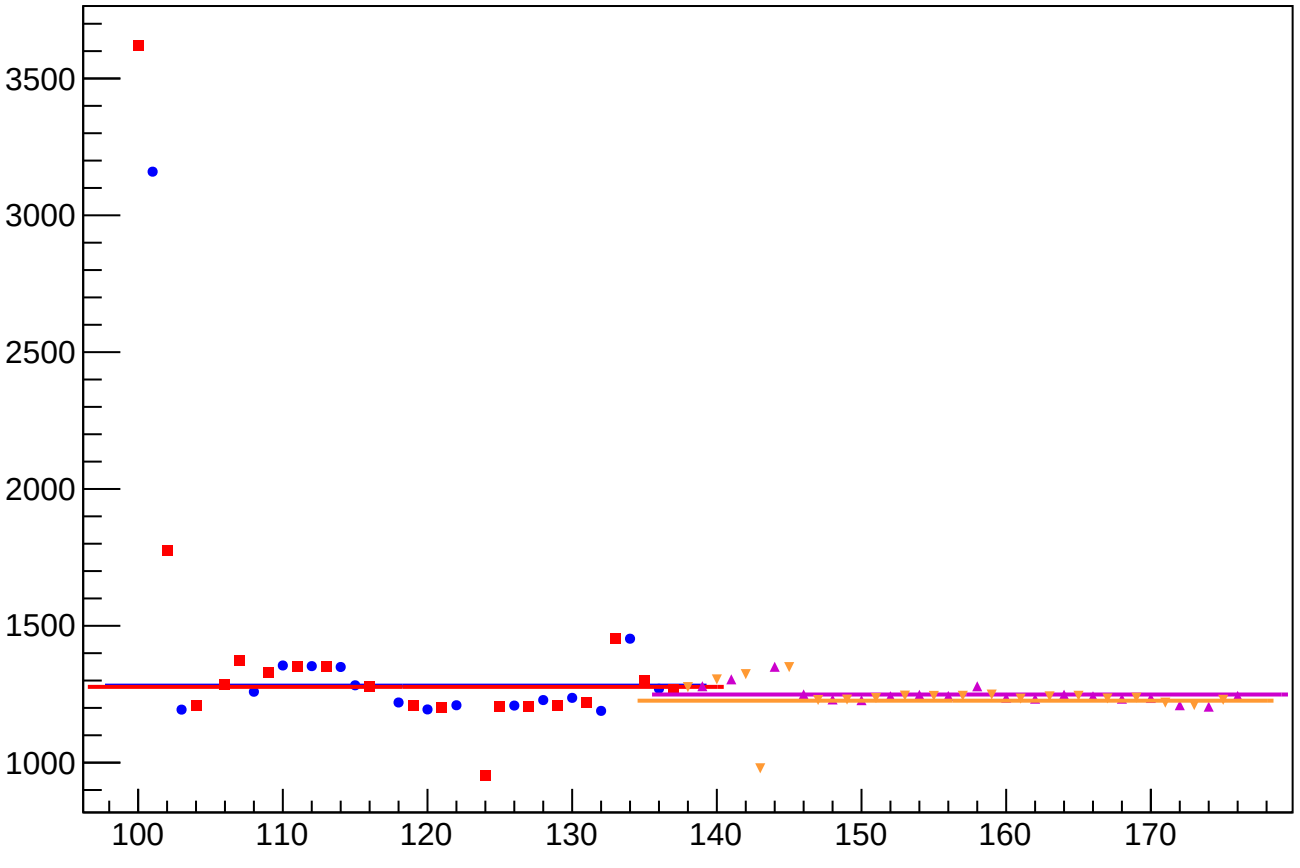
Left: -177.406+/-221.042 χ^2/NDF: 35.3/38

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 148.655+/-265.380 χ^2/NDF:30.1/34

Out: -353.604+/-258.983 χ^2/NDF:40.0/38

All: -108.602+/-185.349 χ^2/NDF: 71.9/73



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

Left: 1237.371+/-0.156 χ^2/NDF: 159556.2/38

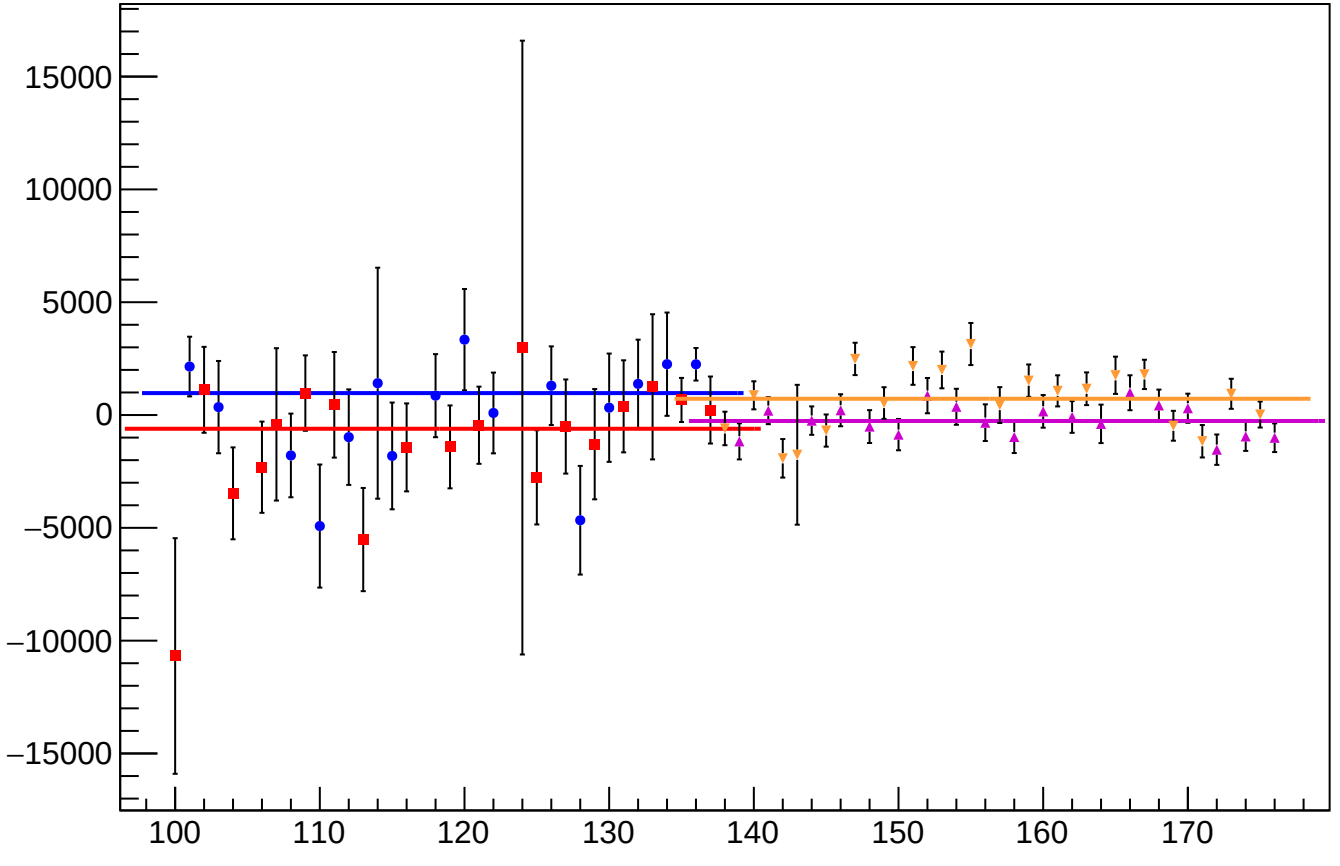
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534412.1/34

Out: 1241.285+/-0.183 χ^2/NDF:369576.2/38

All: 1249.751+/-0.131 χ^2/NDF: 908370.5/73

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: 721.545+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.668+/-162.125 χ^2/NDF:17.7/18

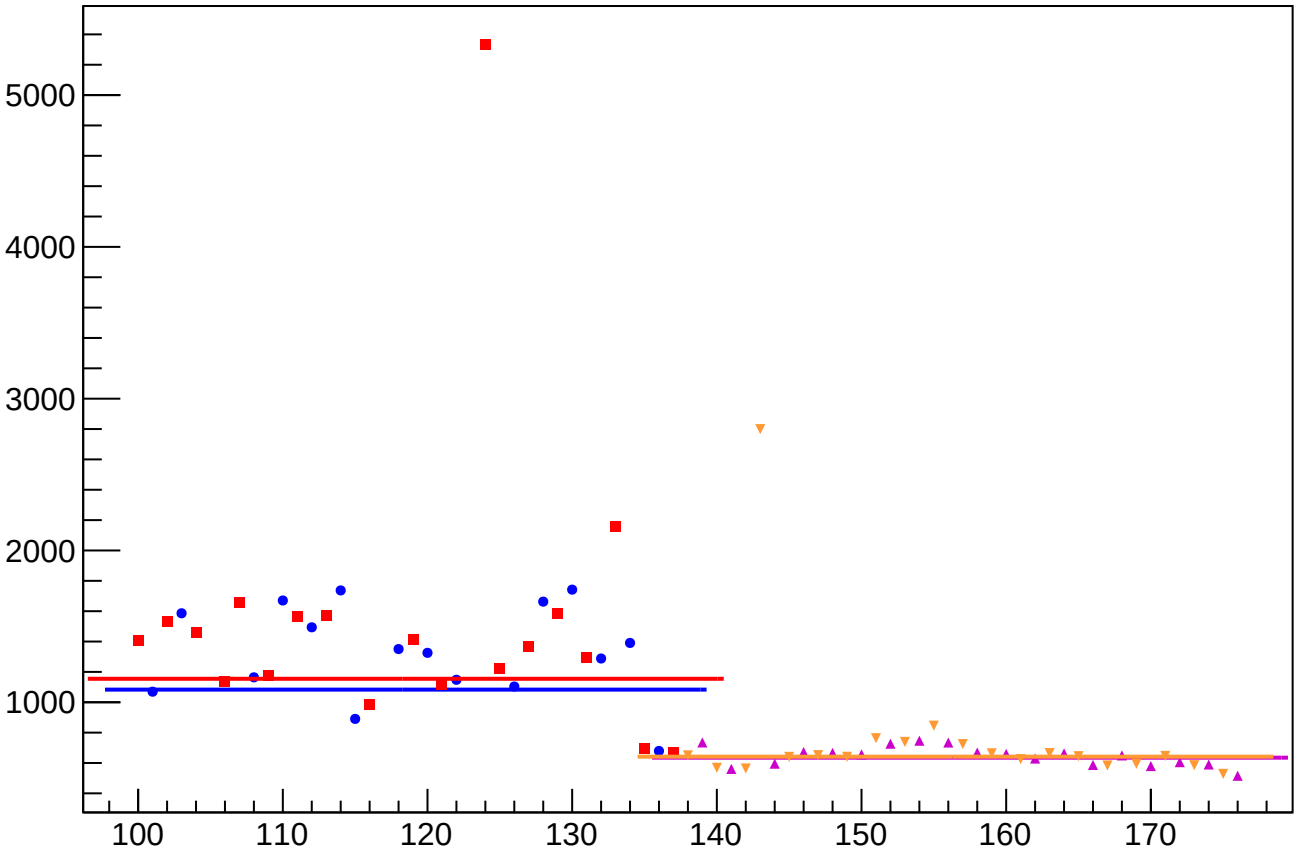
Left: 220.503+/-115.617 χ^2/NDF: 89.6/38

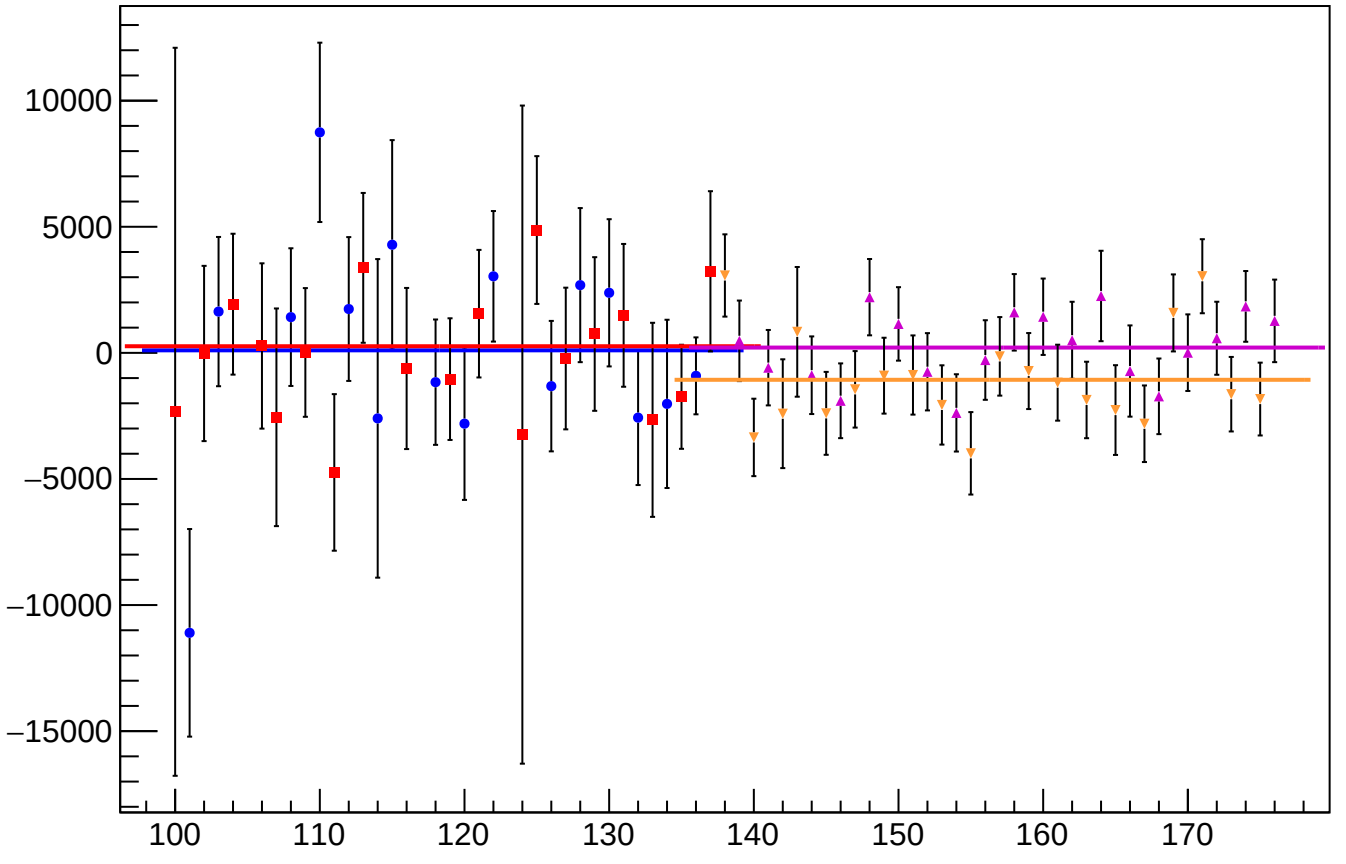
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -106.803+/-151.487 χ^2/NDF:45.6/34

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 220.770+/-108.256 χ^2/NDF: 133.8/73


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 641.607+/-0.117 χ²/NDF:1326088.0/19
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 634.967+/-0.115 χ²/NDF:294228.9/18
Left: 638.230+/-0.082 χ²/NDF: 1621965.2/38
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 691.874+/-0.107 χ²/NDF:3595821.8/34
Out: 702.912+/-0.109 χ²/NDF:5127334.3/38
All: 697.275+/-0.077 χ²/NDF: 8728351.1/73



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 210.020+/-352.862 χ^2/NDF:15.0/18

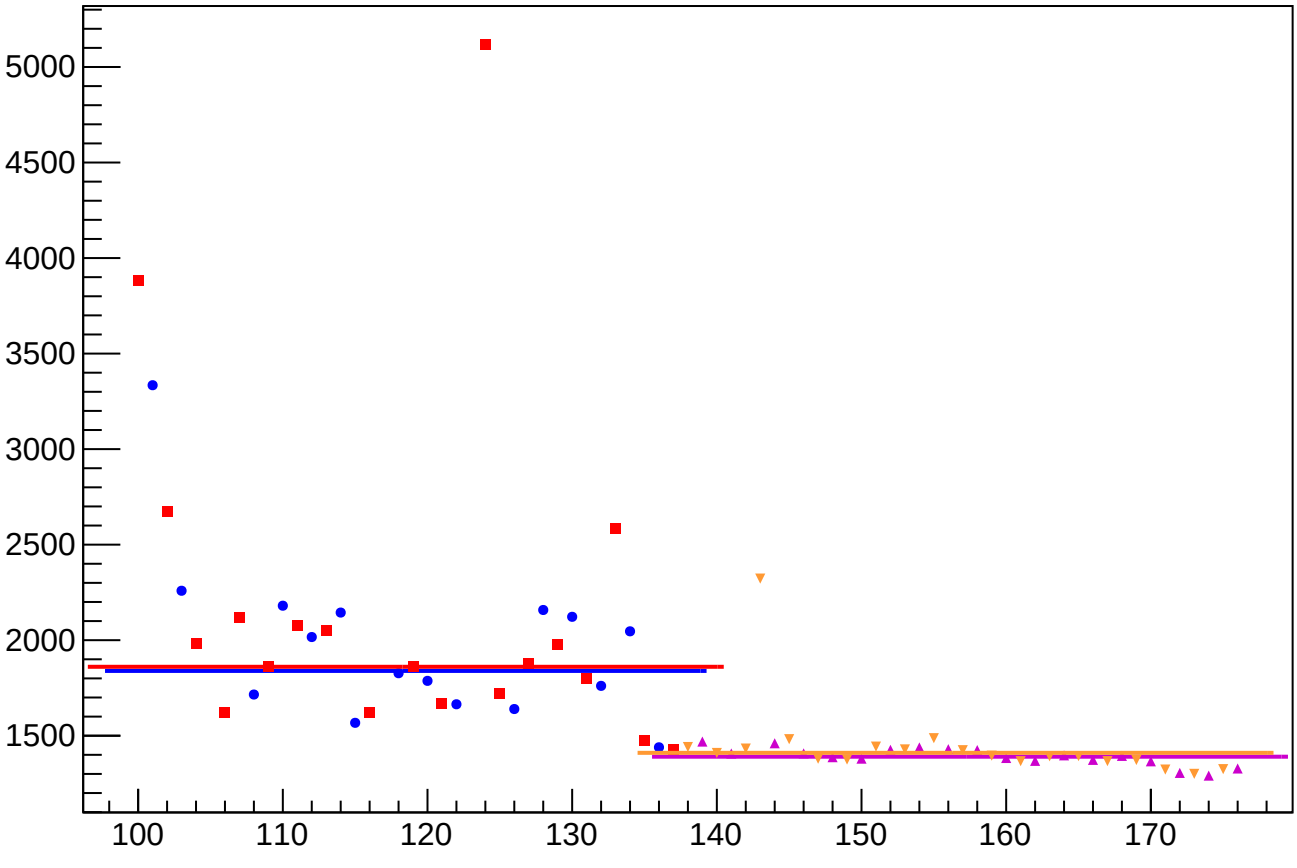
Left: -423.961+/-250.498 χ^2/NDF: 49.1/38

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 187.768+/-315.000 χ^2/NDF:36.3/34

Out: -794.829+/-317.061 χ^2/NDF:40.9/38

All: -300.326+/-223.464 χ^2/NDF: 82.0/73



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

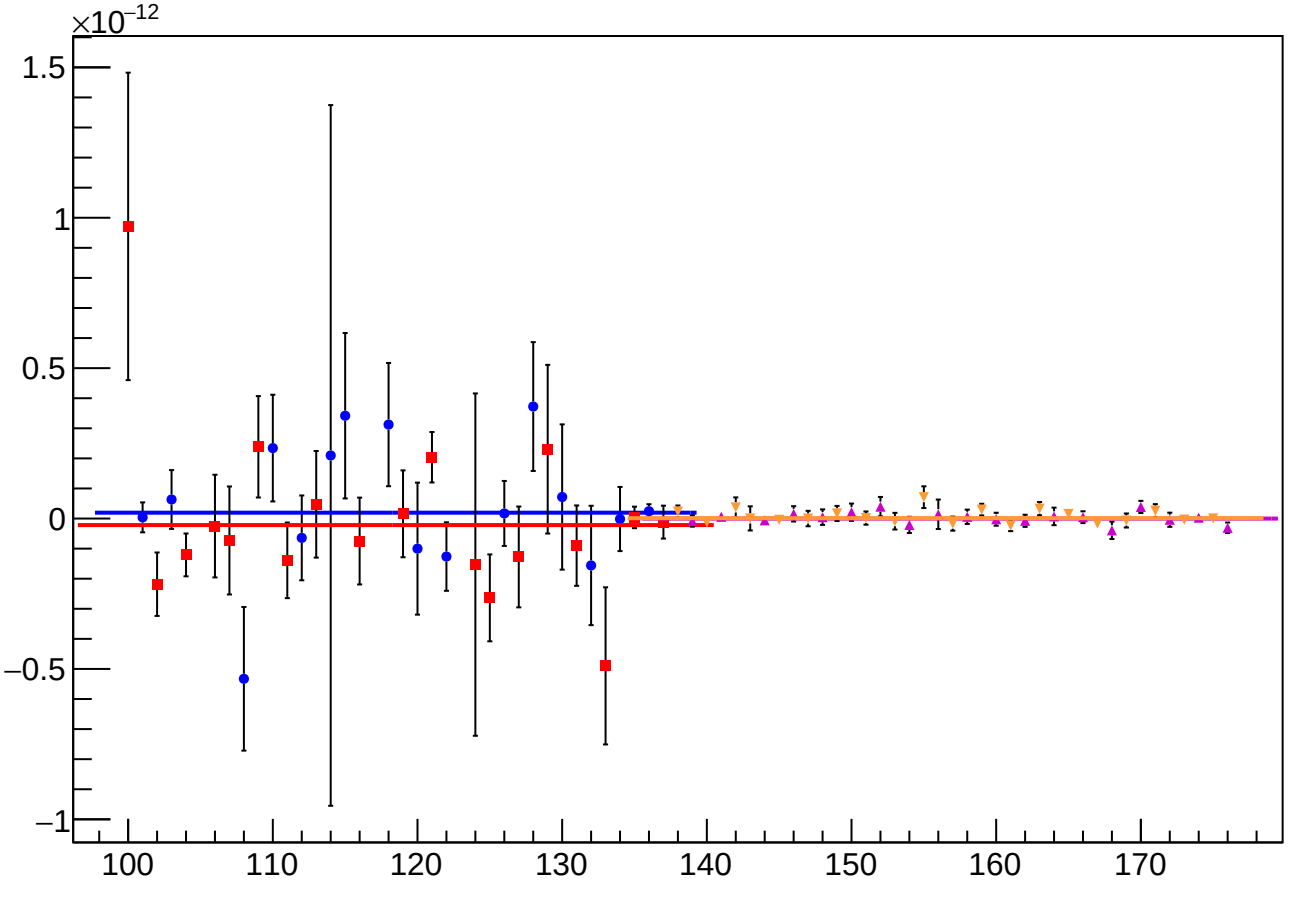
Left: 1400.220+/-0.177 χ^2/NDF: 333344.6/38

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1481.350+/-0.223 χ^2/NDF:1250160.7/34

Out: 1502.889+/-0.224 χ^2/NDF:1474547.5/38

All: 1492.049+/-0.158 χ^2/NDF: 2729353.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

Left: 0.000+/-0.000 χ^2/NDF: 31.4/38

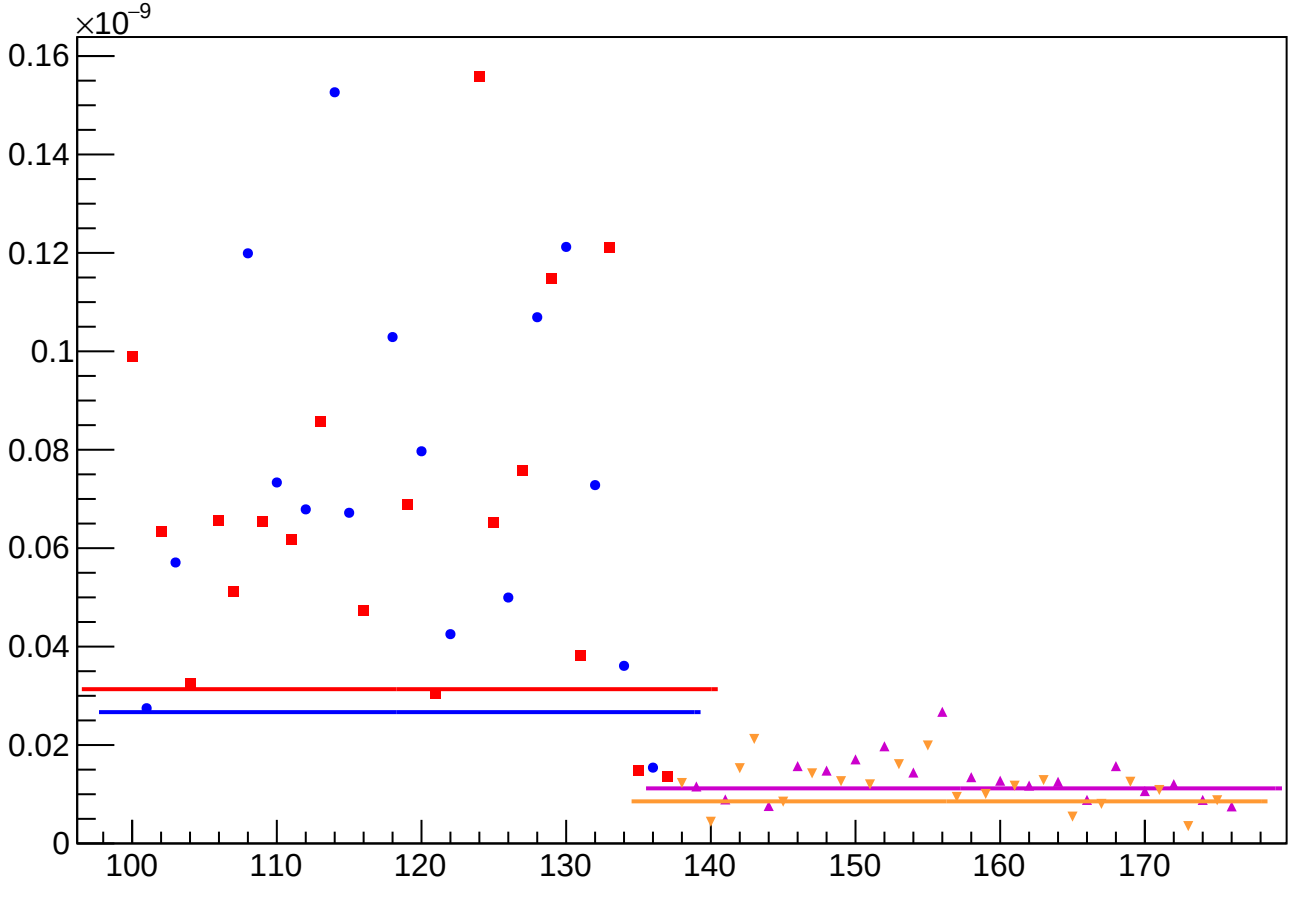
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:47.9/38

All: 0.000+/-0.000 χ^2/NDF: 78.0/73

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3333112.1/38

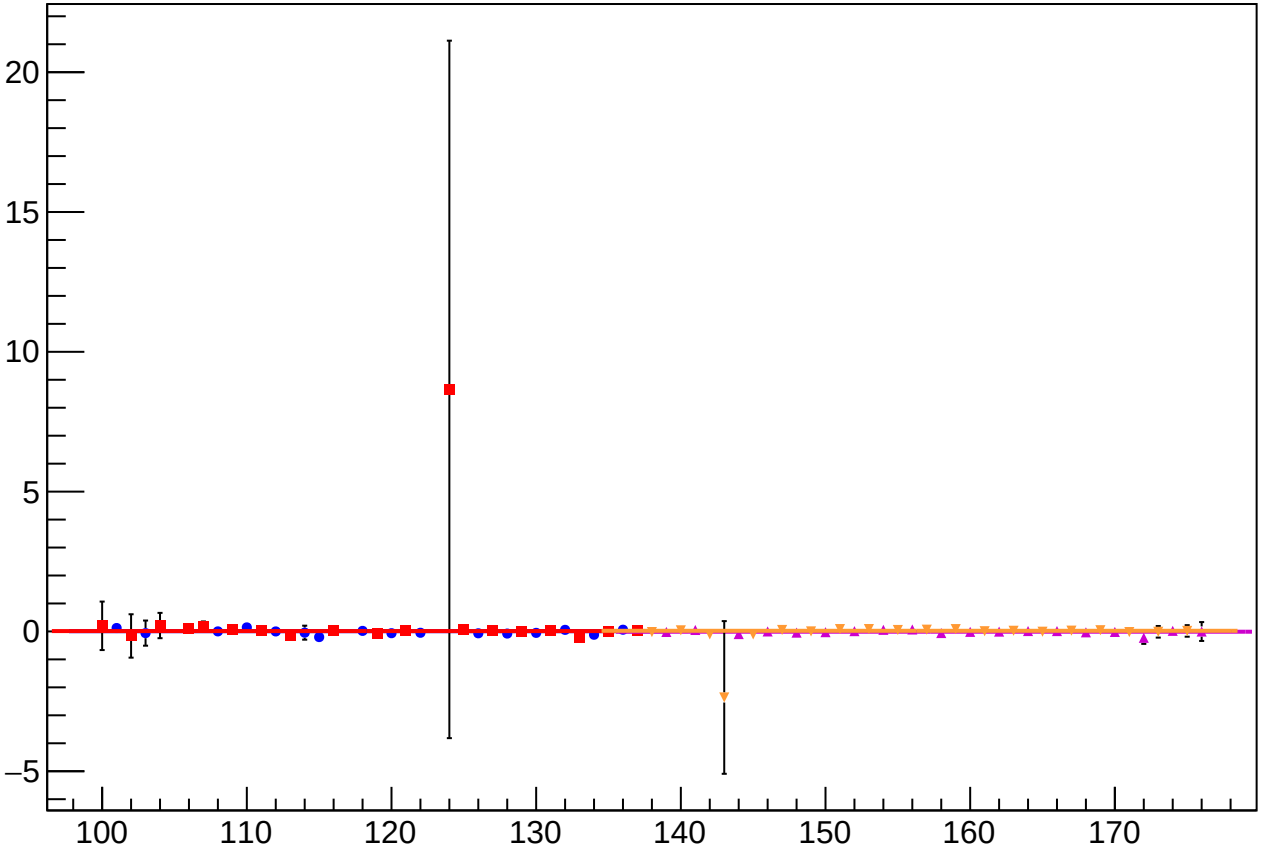
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4840598.6/34

Out: 0.000+/-0.000 χ^2/NDF:6297085.6/38

All: 0.000+/-0.000 χ^2/NDF: 11575319.7/73

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

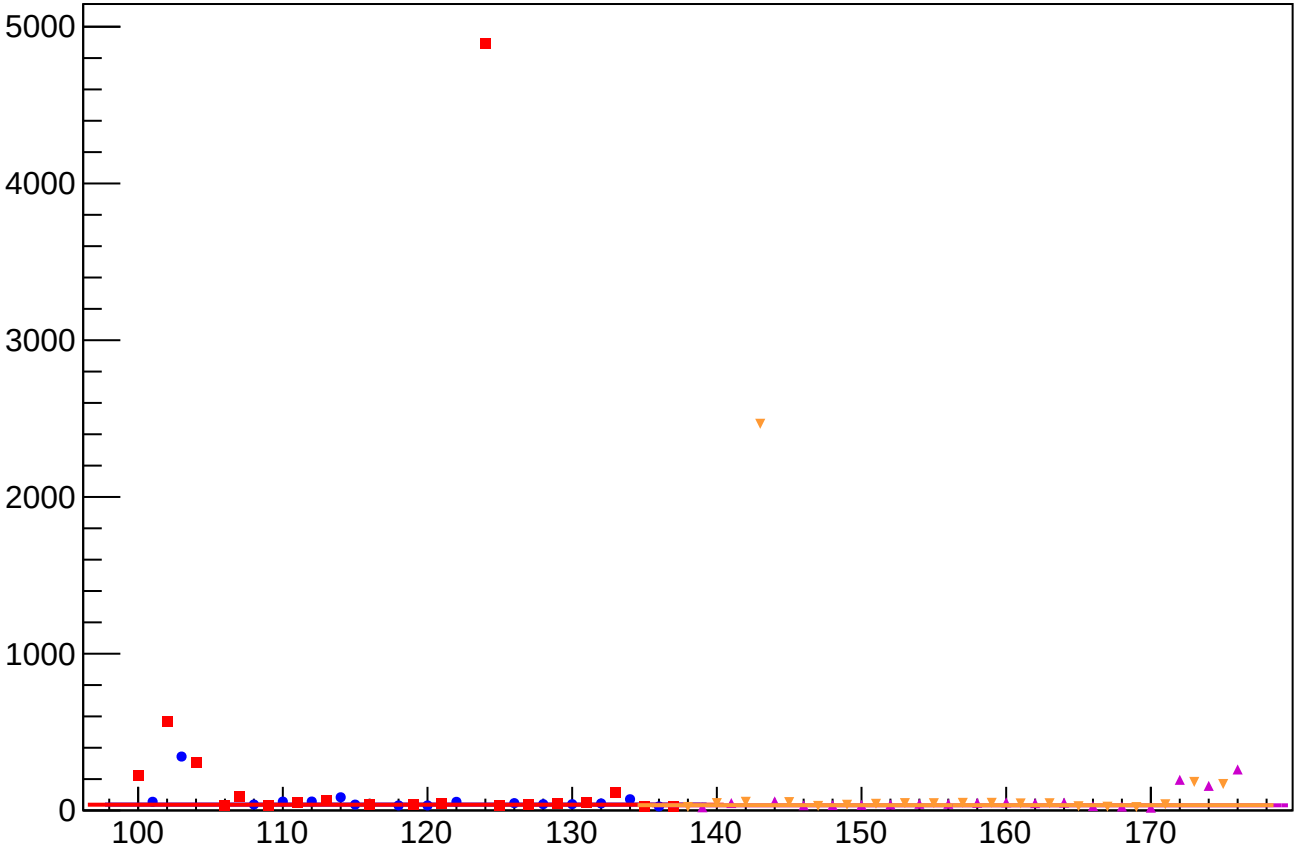
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

Left: 33.231+/-0.005 χ^2/NDF: 11593517.6/38

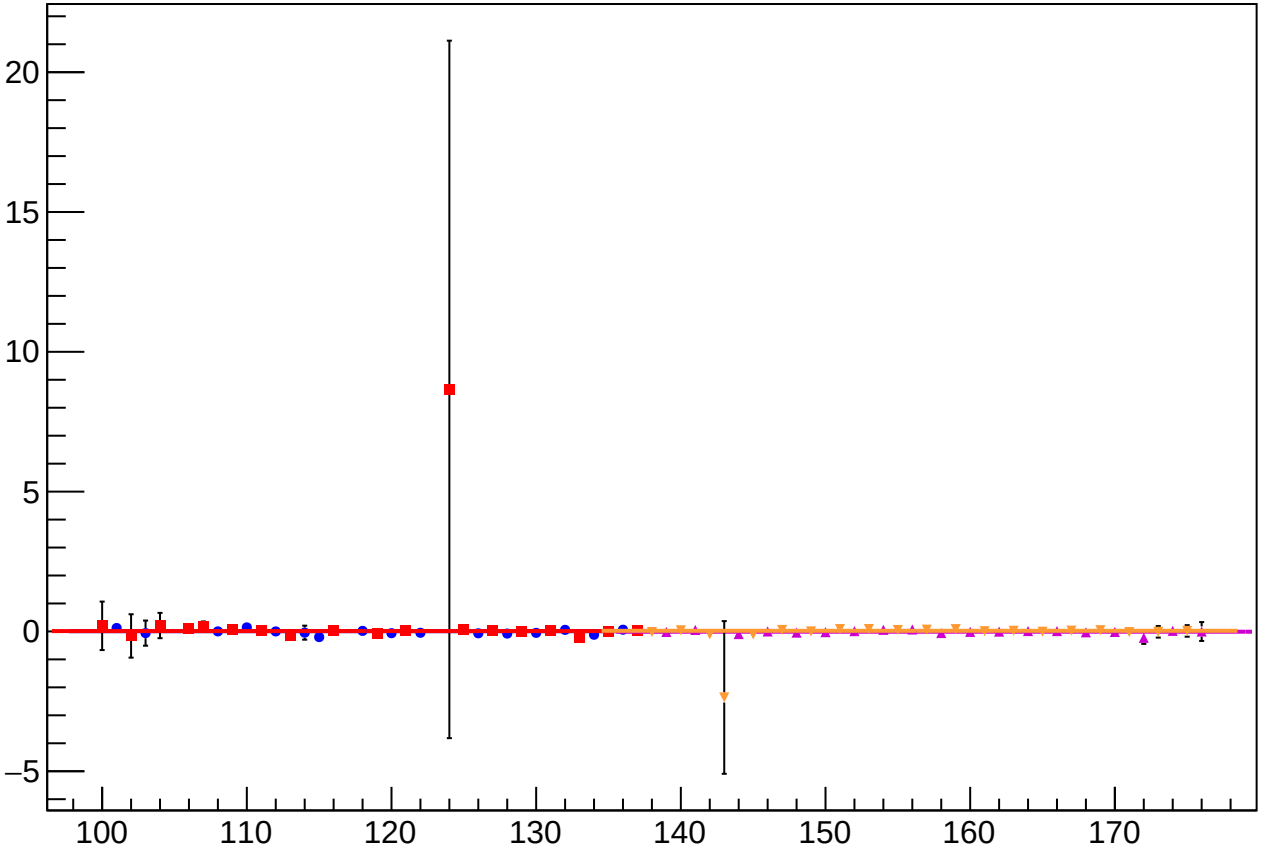
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

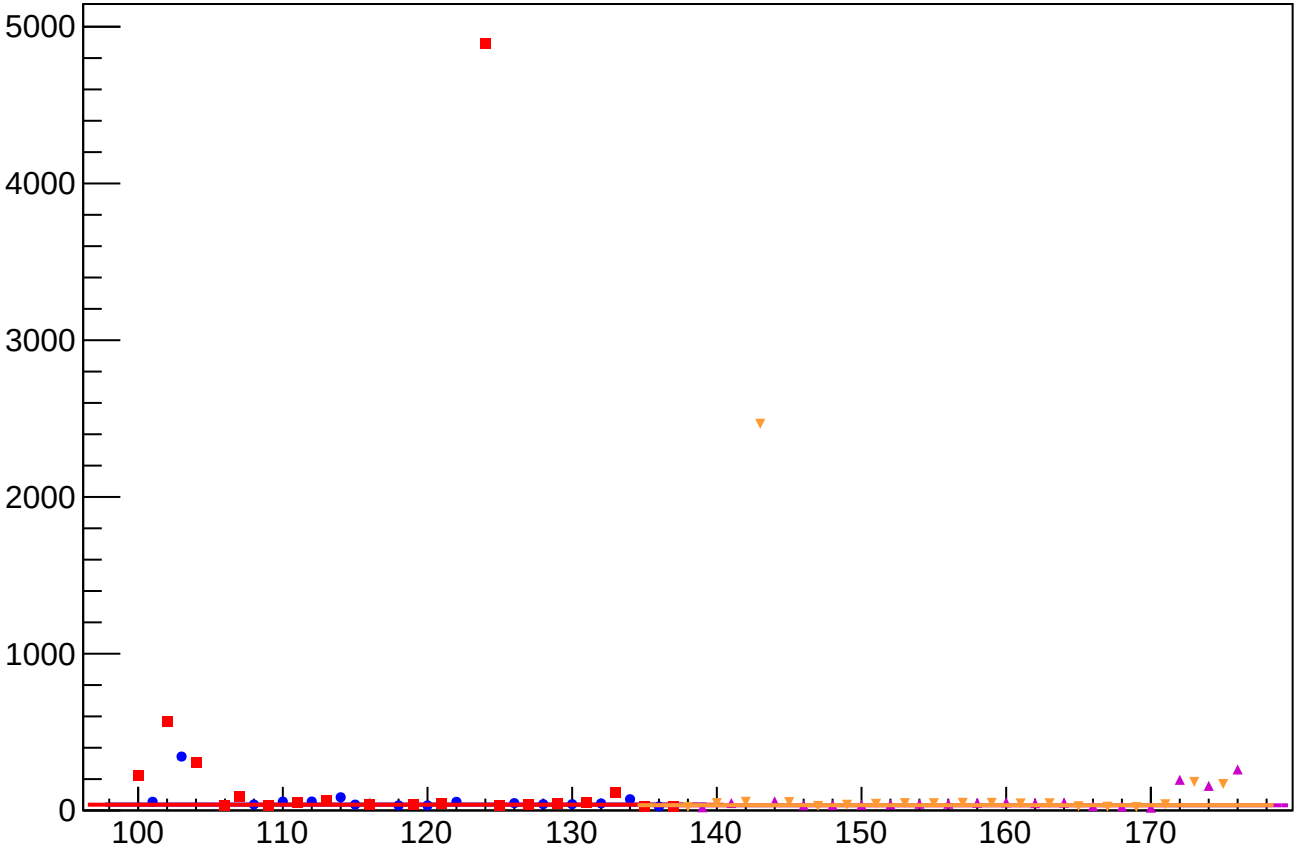
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

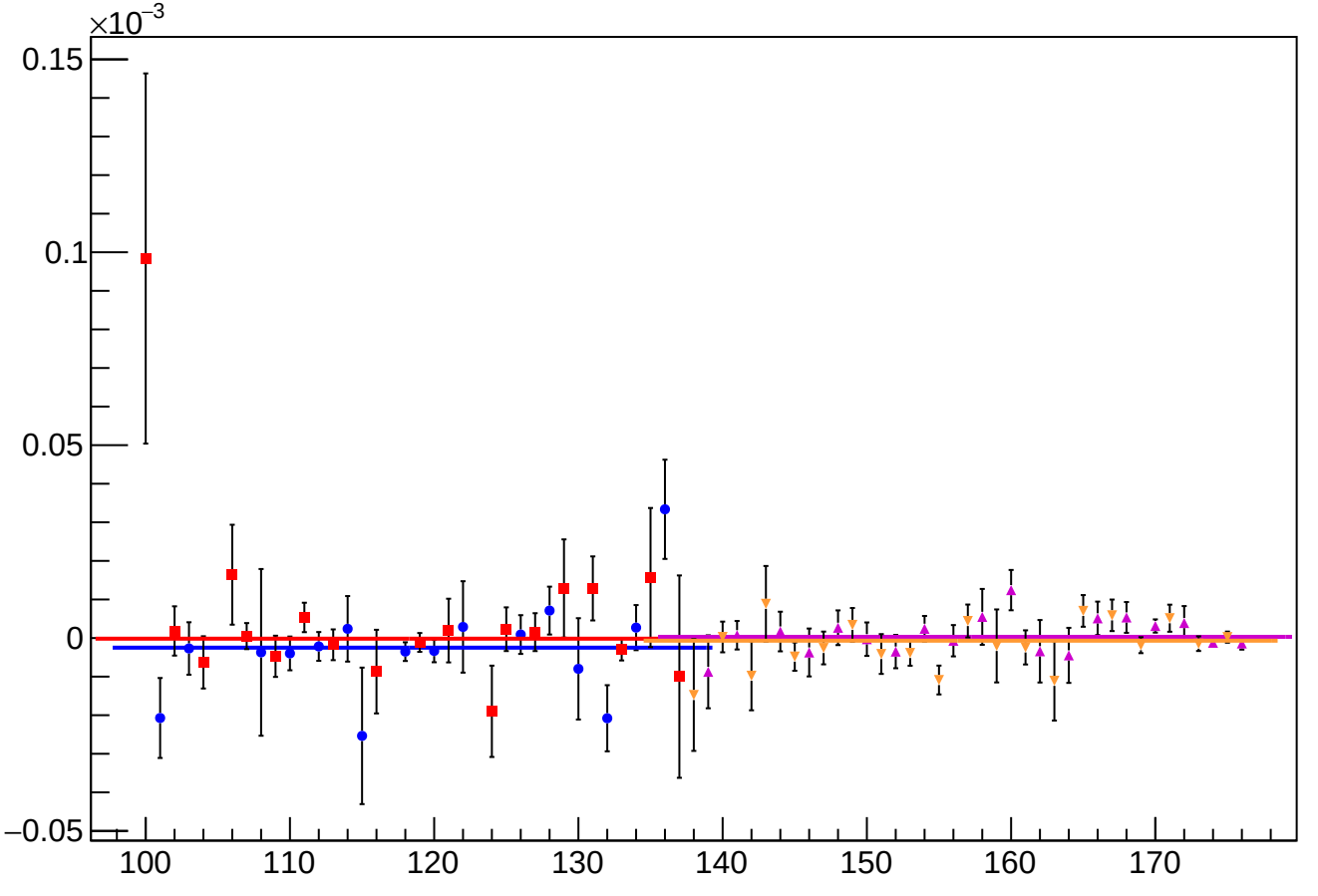
Left: 33.231+/-0.005 χ^2/NDF: 11593517.6/38

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

Left: -0.000+/-0.000 χ^2/NDF: 46.4/38

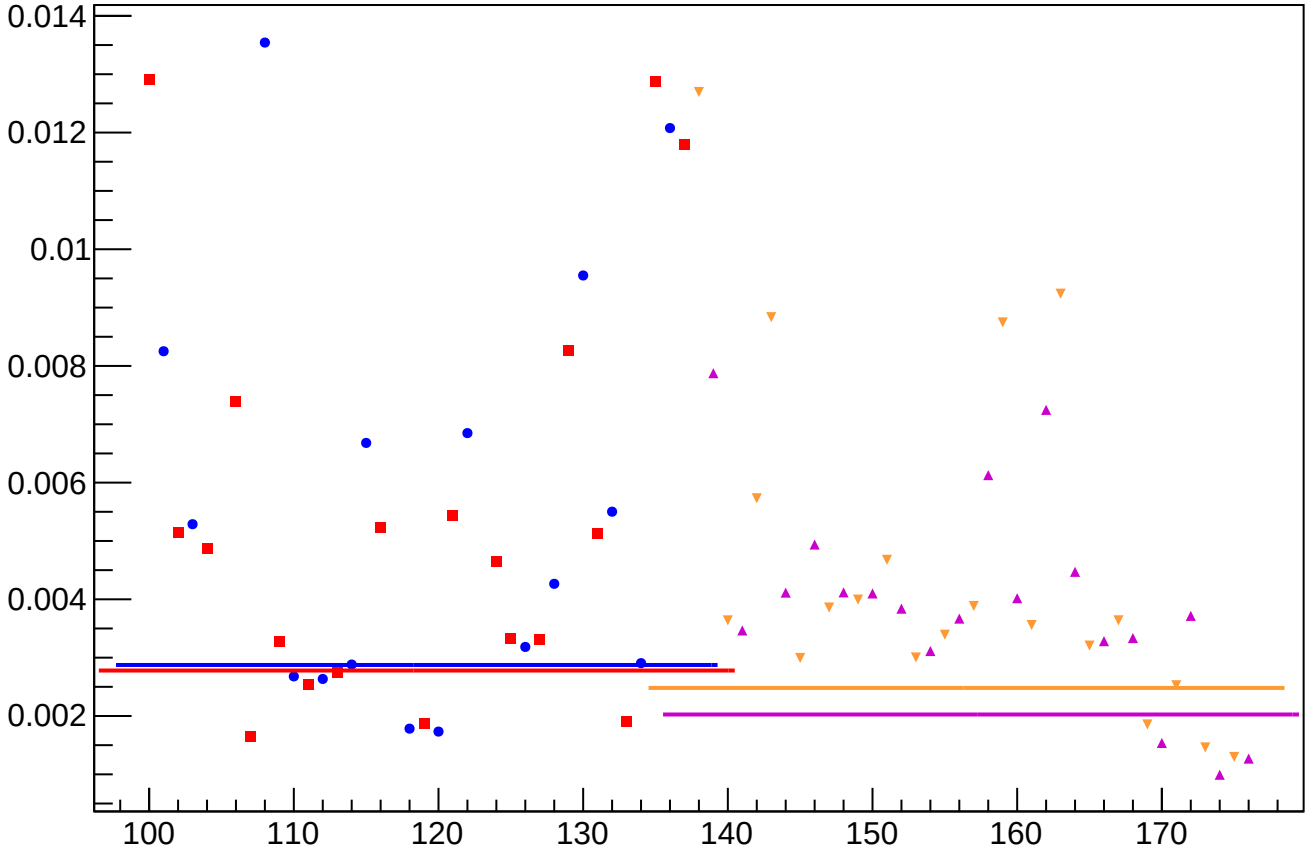
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:45.5/38

All: -0.000+/-0.000 χ^2/NDF: 90.1/73

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8752658.2/18

Left: 0.002+/-0.000 χ^2/NDF: 16864764.8/38

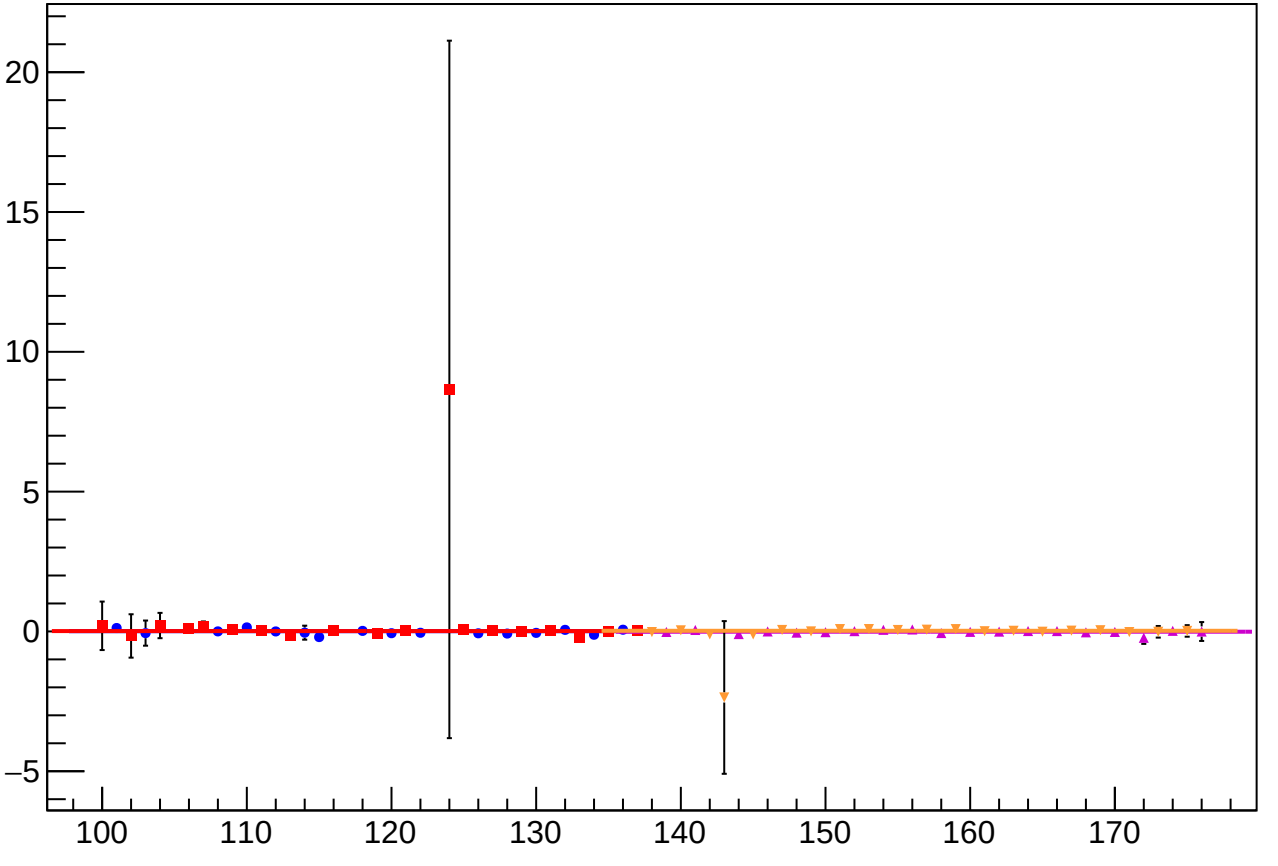
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13579220.0/34

Out: 0.003+/-0.000 χ^2/NDF:11097233.2/38

All: 0.002+/-0.000 χ^2/NDF: 25043479.9/73

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

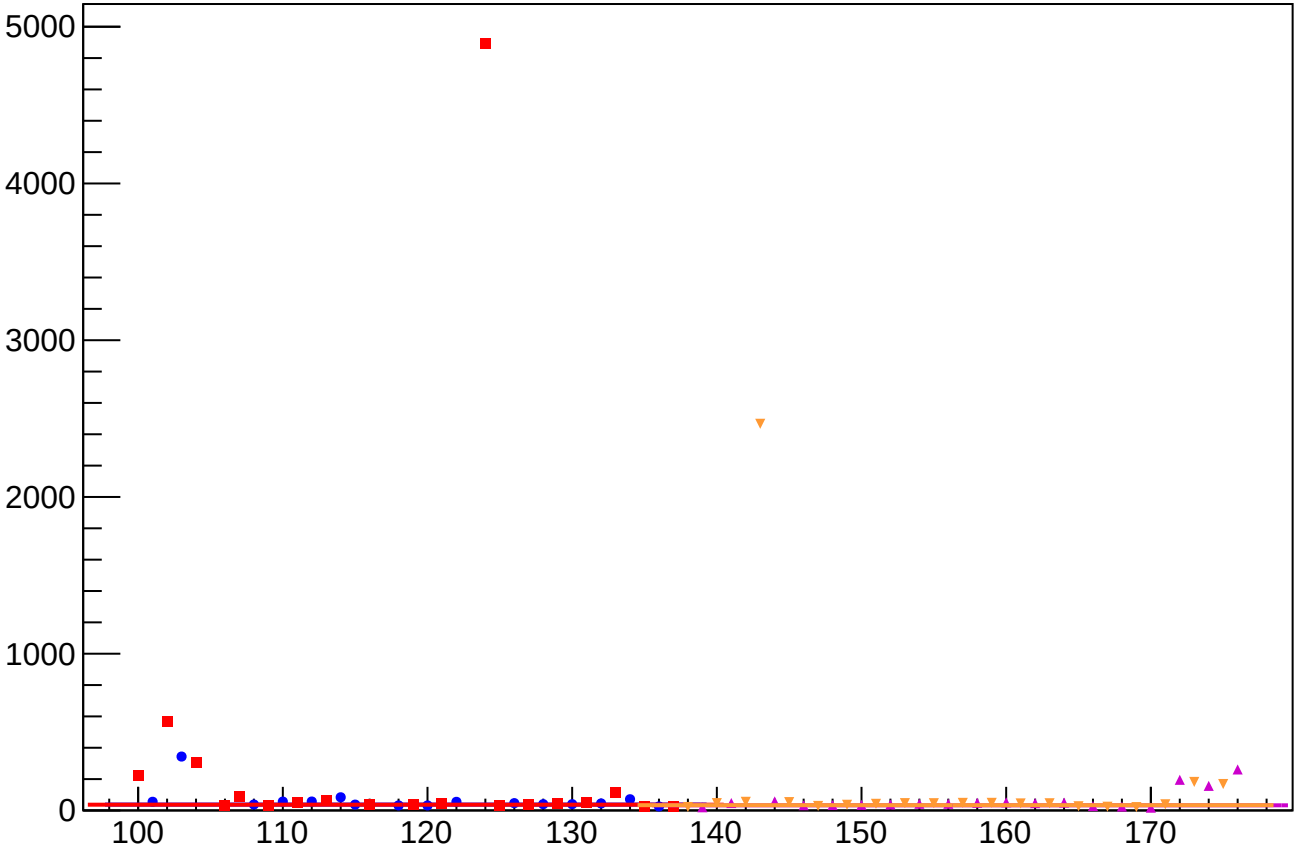
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

Left: 33.232+/-0.005 χ^2/NDF: 11592347.0/38

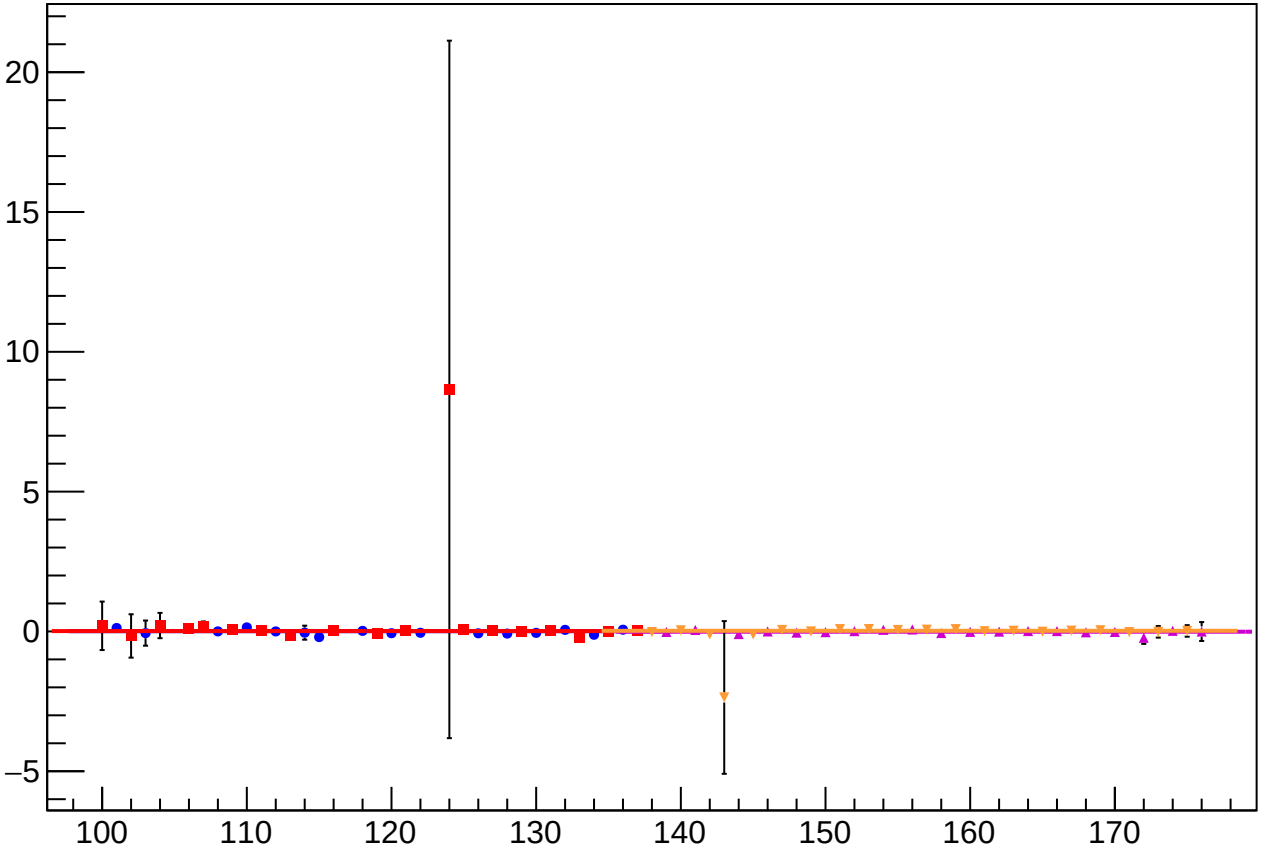
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

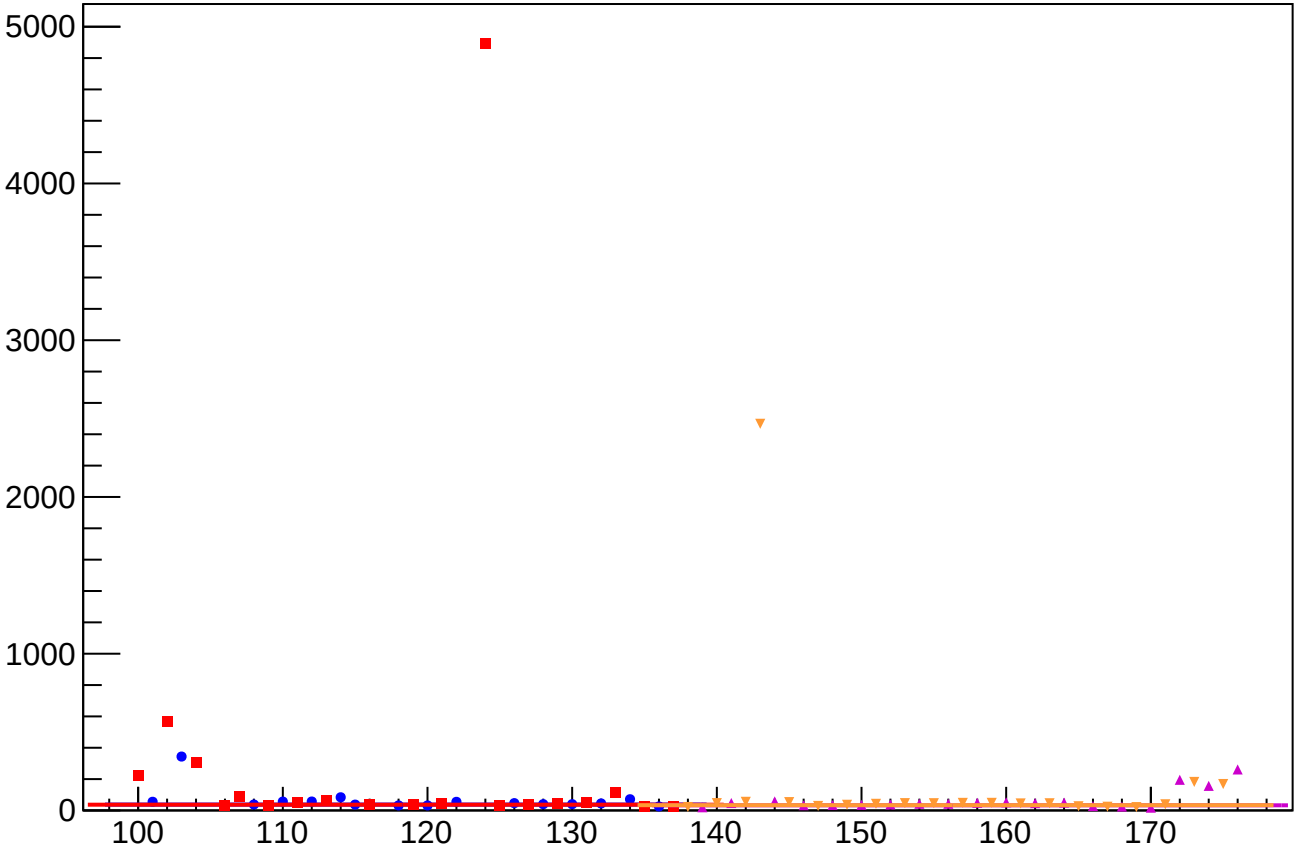
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

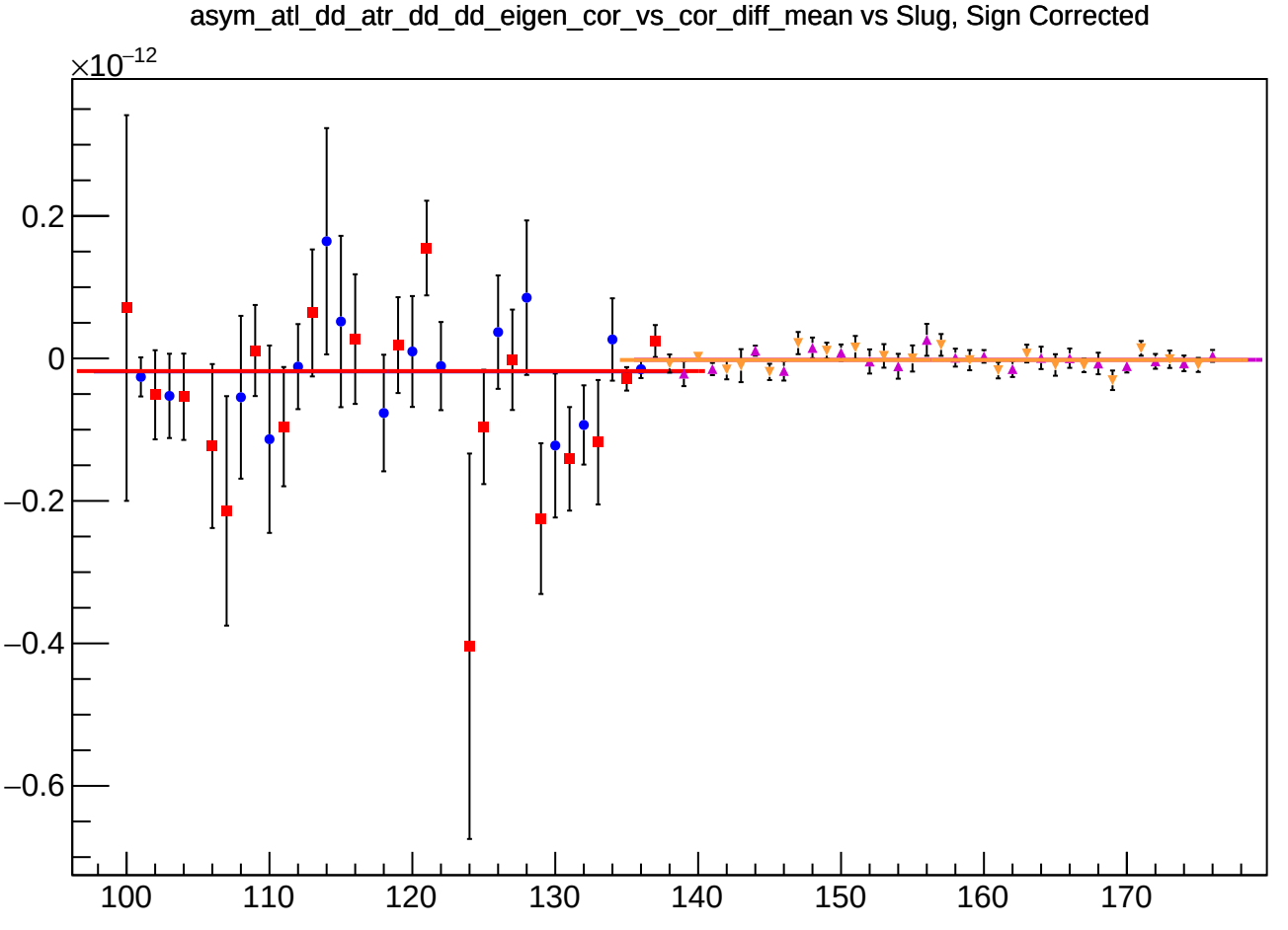
Left: 33.232+/-0.005 χ^2/NDF: 11592347.0/38

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

Left: -0.000+/-0.000 χ^2/NDF: 36.5/38

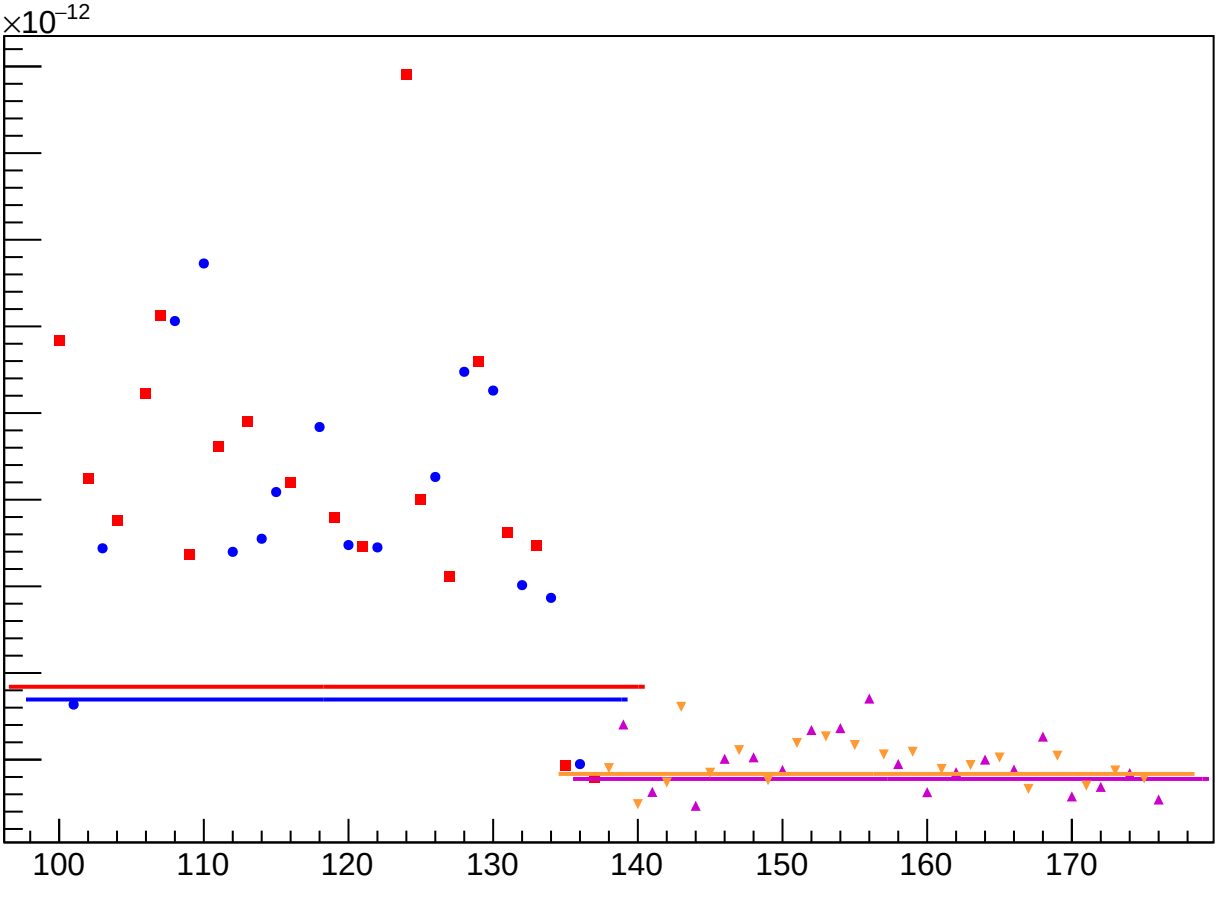
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.3/34

Out: -0.000+/-0.000 χ^2/NDF:50.2/38

All: -0.000+/-0.000 χ^2/NDF: 76.5/73

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

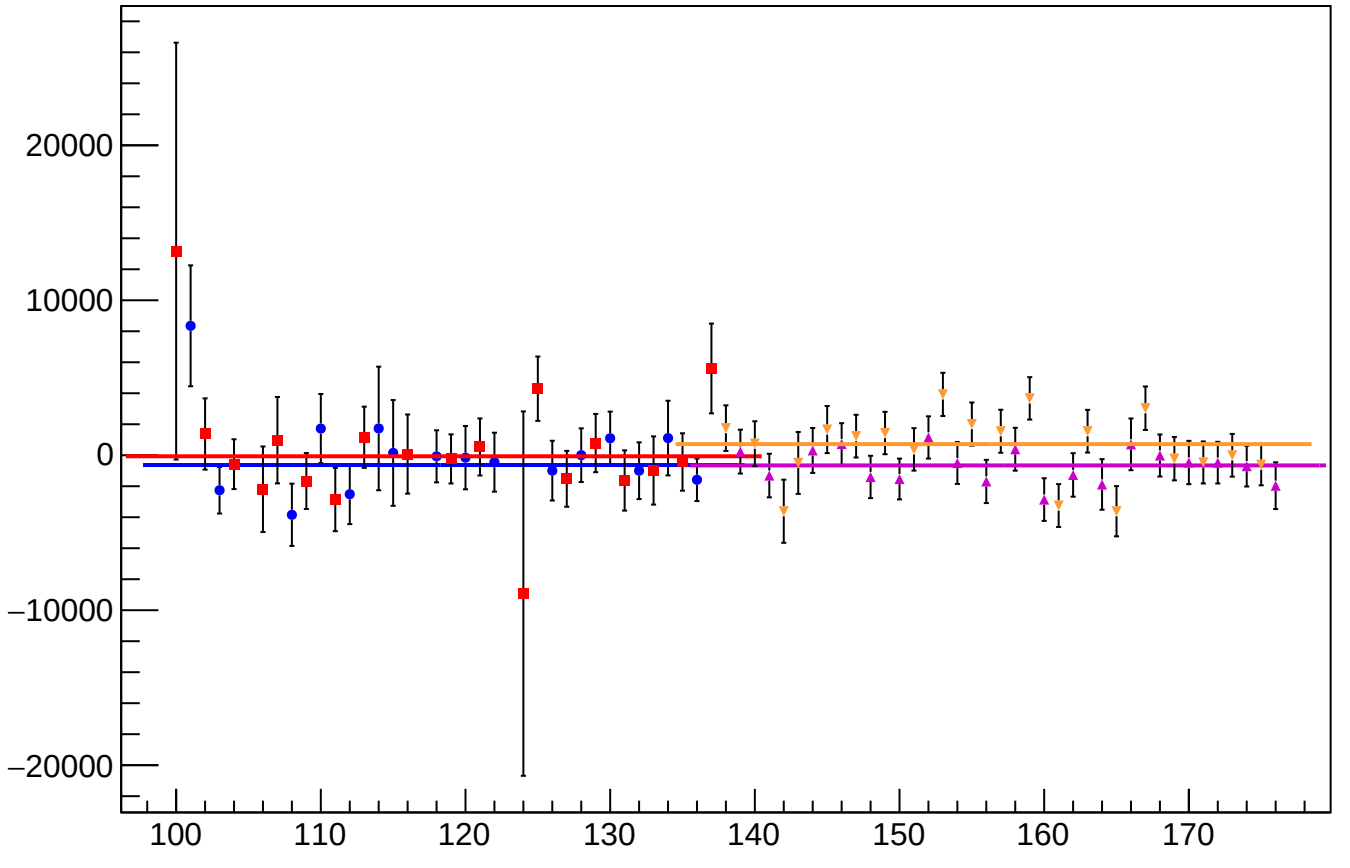
Left: 0.000+/-0.000 χ^2/NDF: 3787695.5/38

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7088159.4/34

Out: 0.000+/-0.000 χ^2/NDF:6695711.1/38

All: 0.000+/-0.000 χ^2/NDF: 13831935.2/73



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

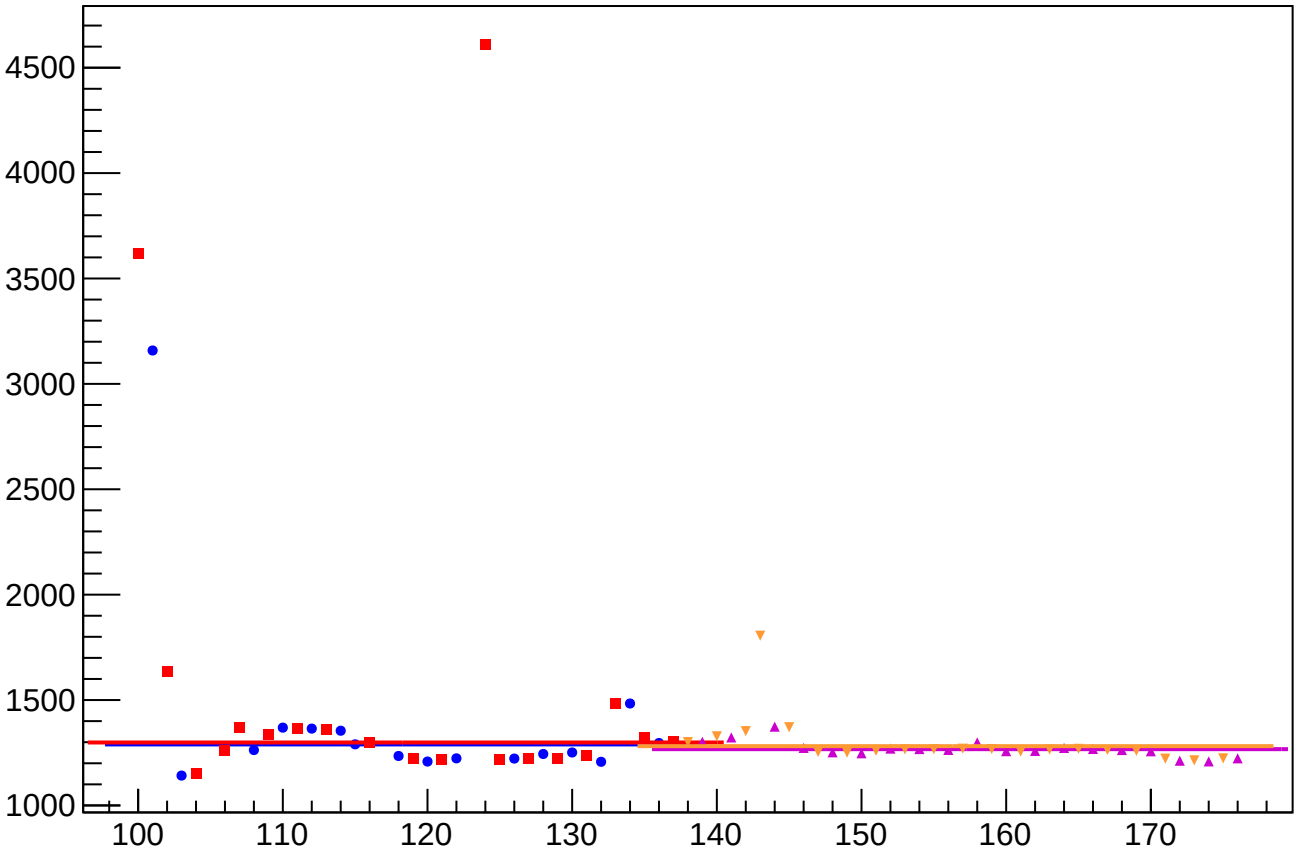
Left: 28.628+/-227.662 χ^2/NDF: 58.2/38

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 478.985+/-268.960 χ^2/NDF:56.0/38

All: -85.773+/-190.055 χ^2/NDF: 89.5/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1274.093+/-0.161 χ^2/NDF: 194981.3/38

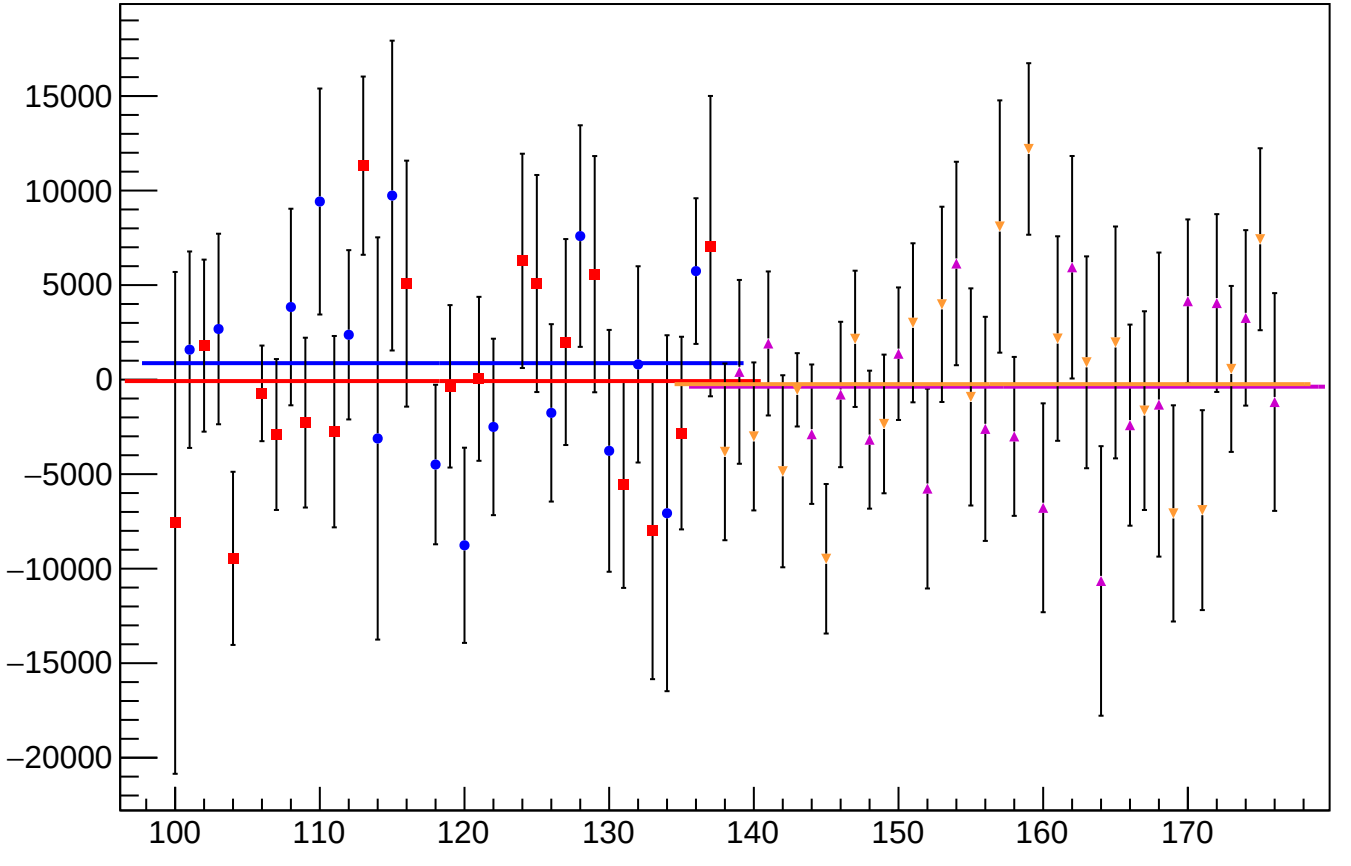
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -374.536+/-1071.133 χ^2/NDF:12.1/18

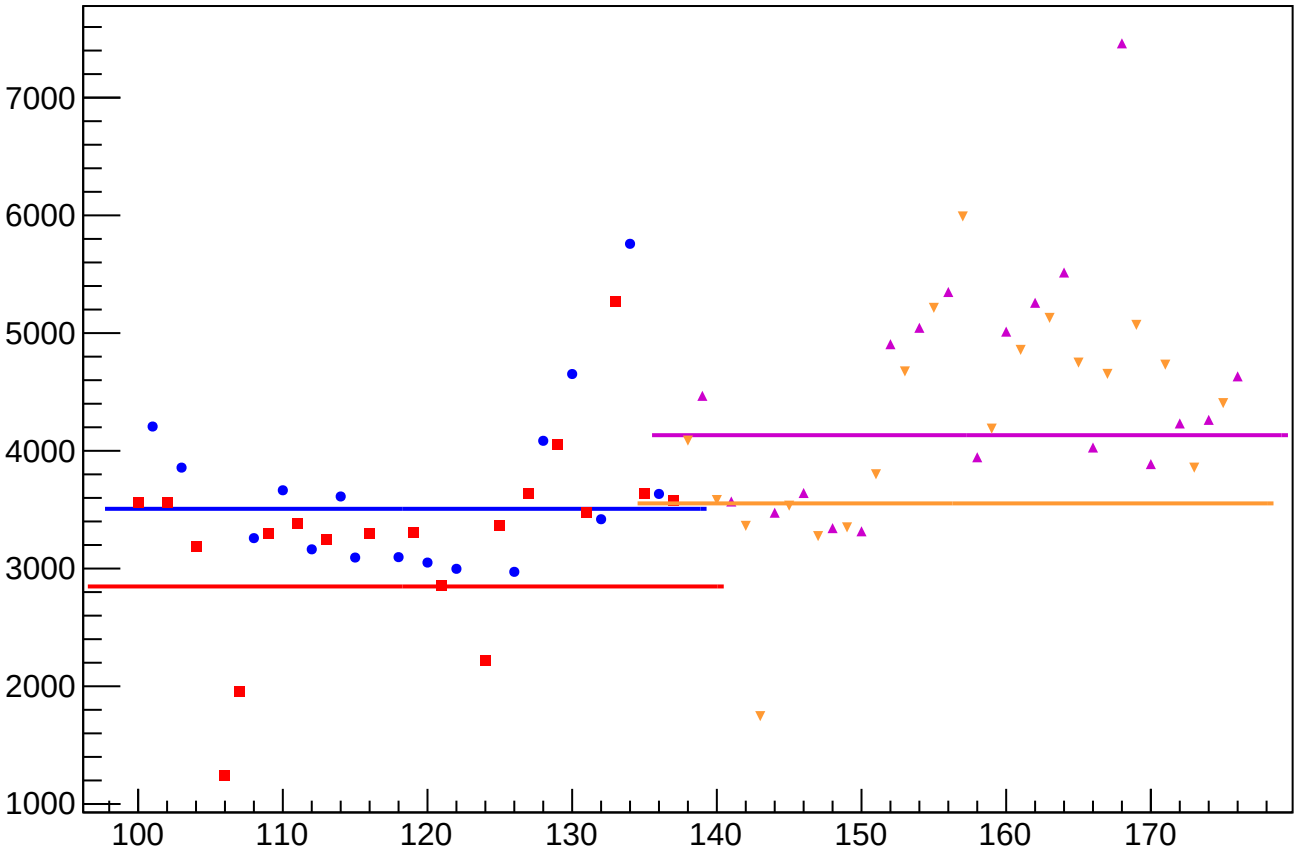
Left: -299.100+/-709.227 χ^2/NDF: 36.6/38

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 117.330+/-833.058 χ^2/NDF:26.6/34

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -48.035+/-544.939 χ^2/NDF: 69.7/73



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

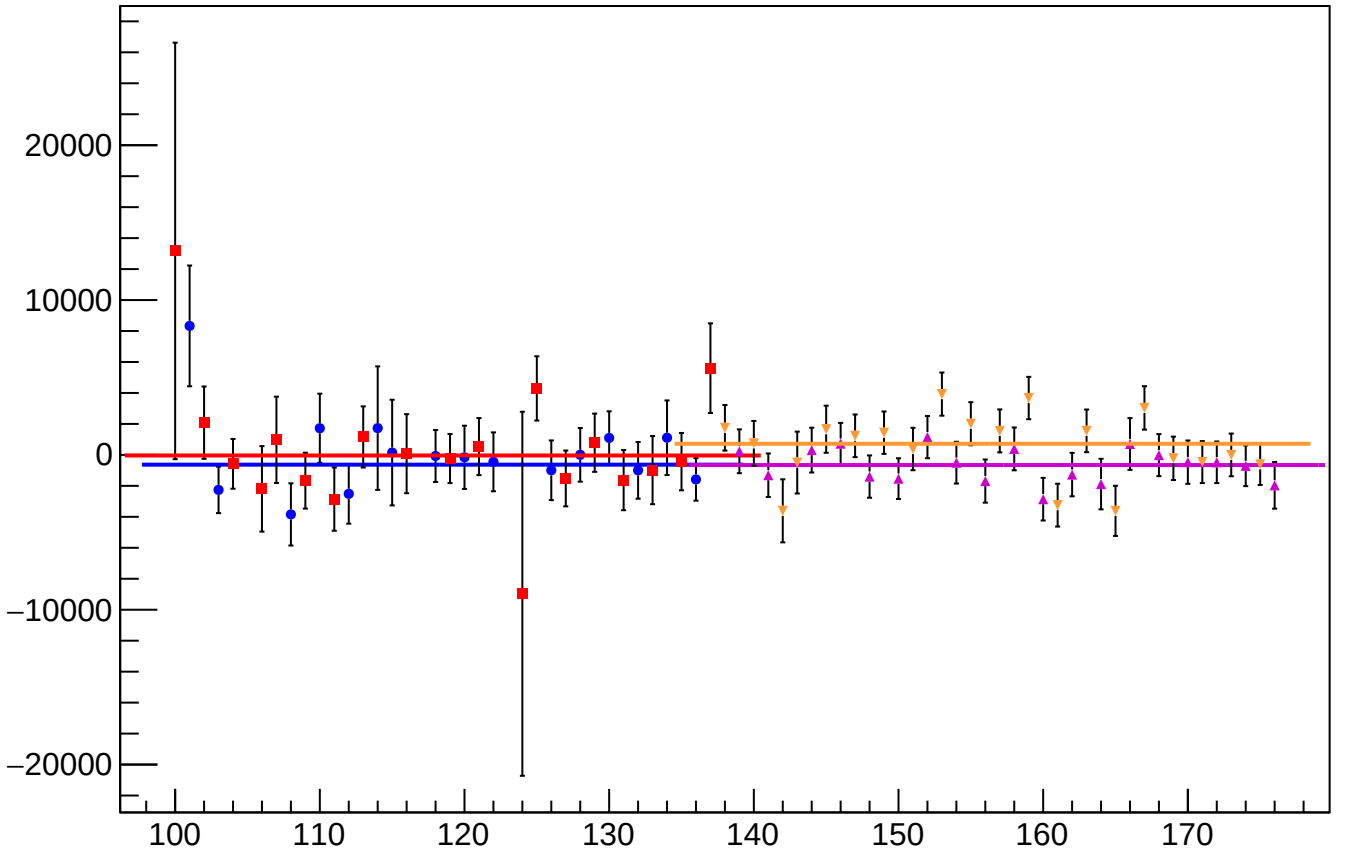
Left: 3807.432+/-0.501 χ^2/NDF: 4543211.7/38

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

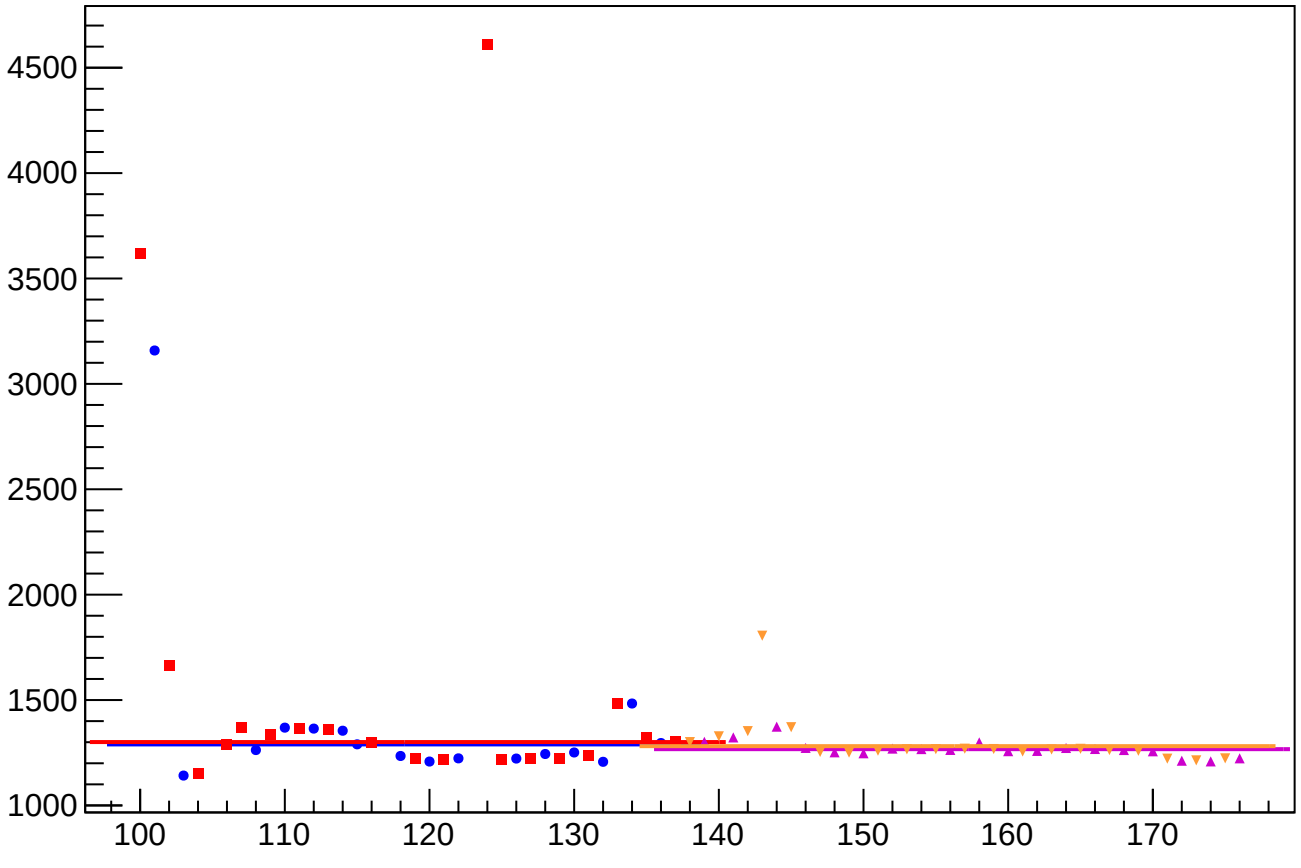
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

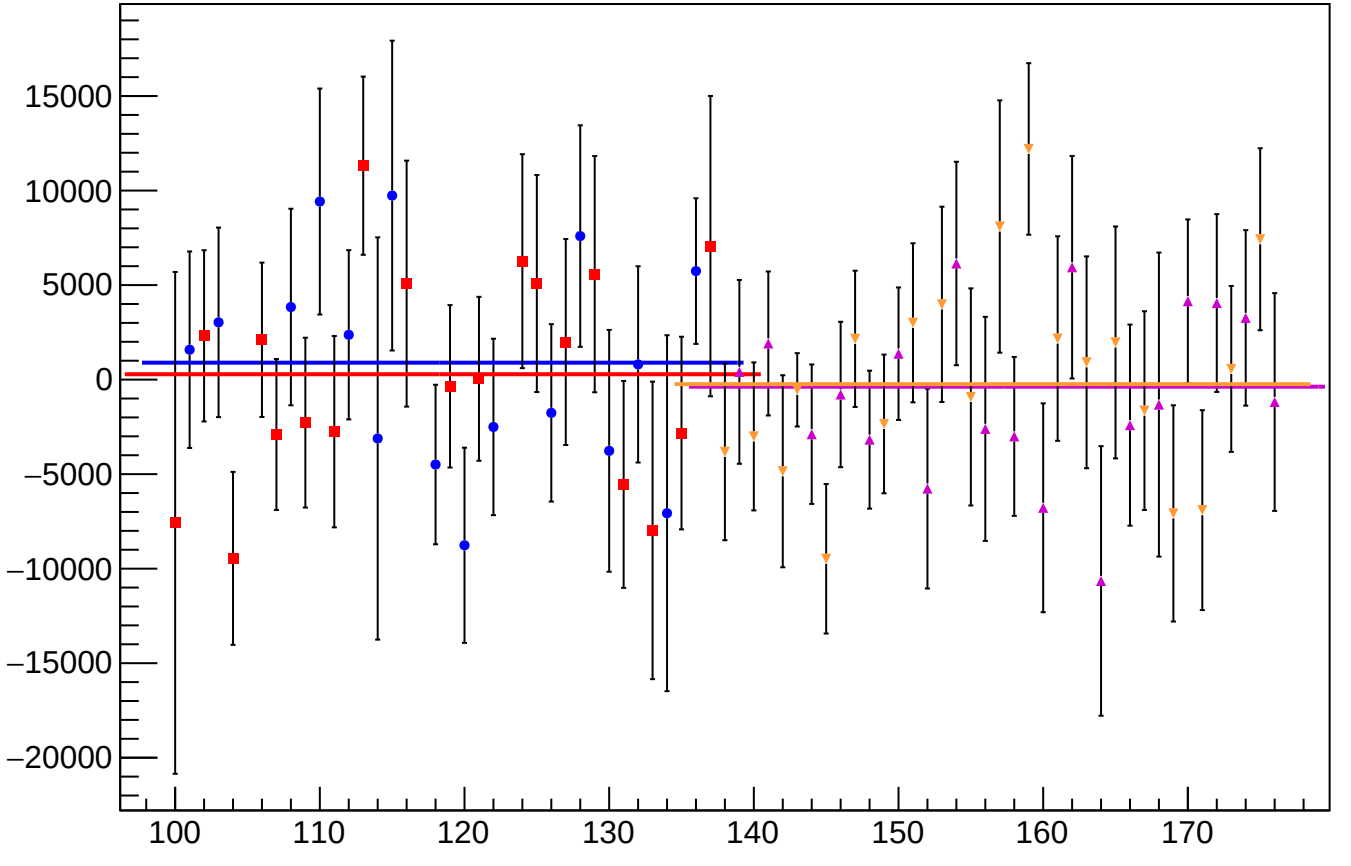
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

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: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

Left: -299.069+/-709.226 χ^2/NDF: 36.6/38

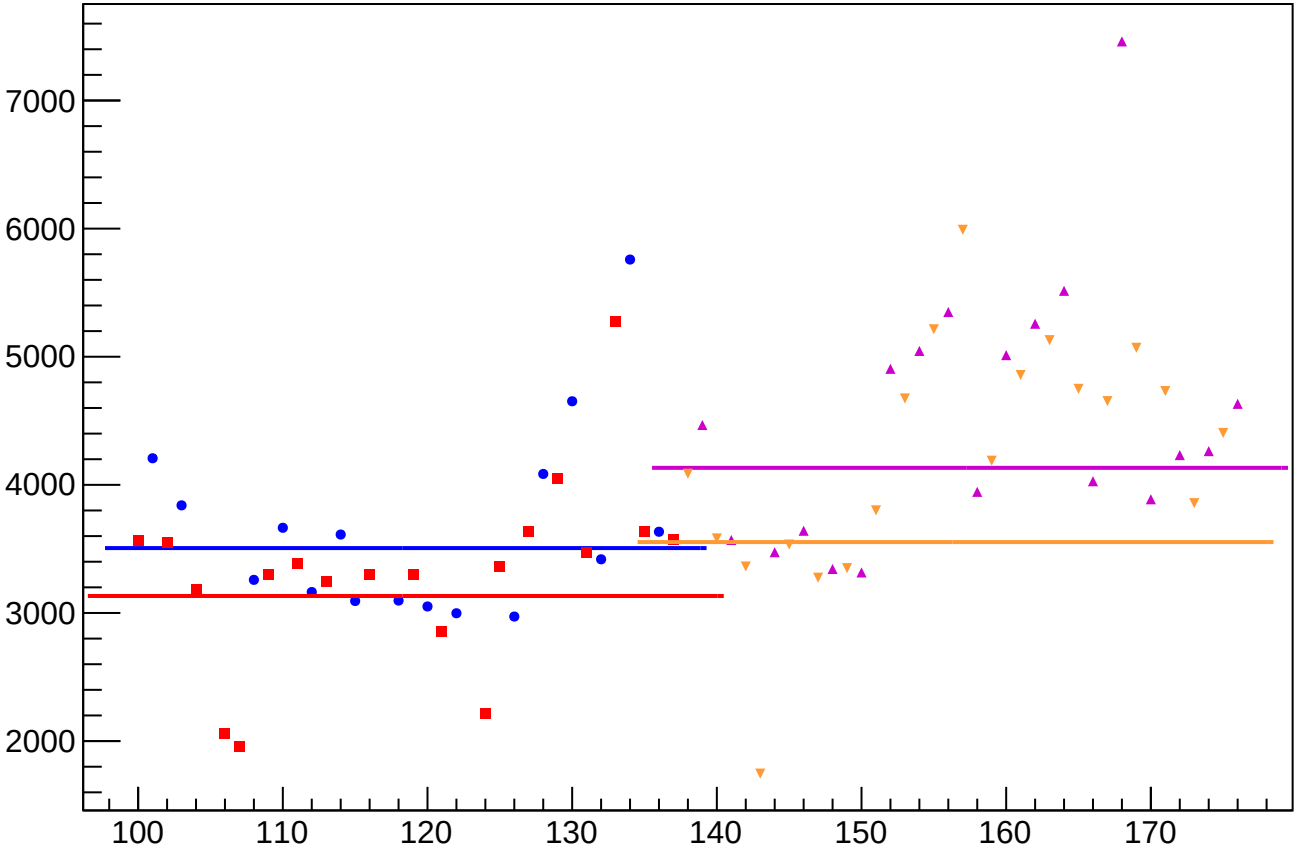
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 36.301+/-552.819 χ^2/NDF: 70.0/73

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

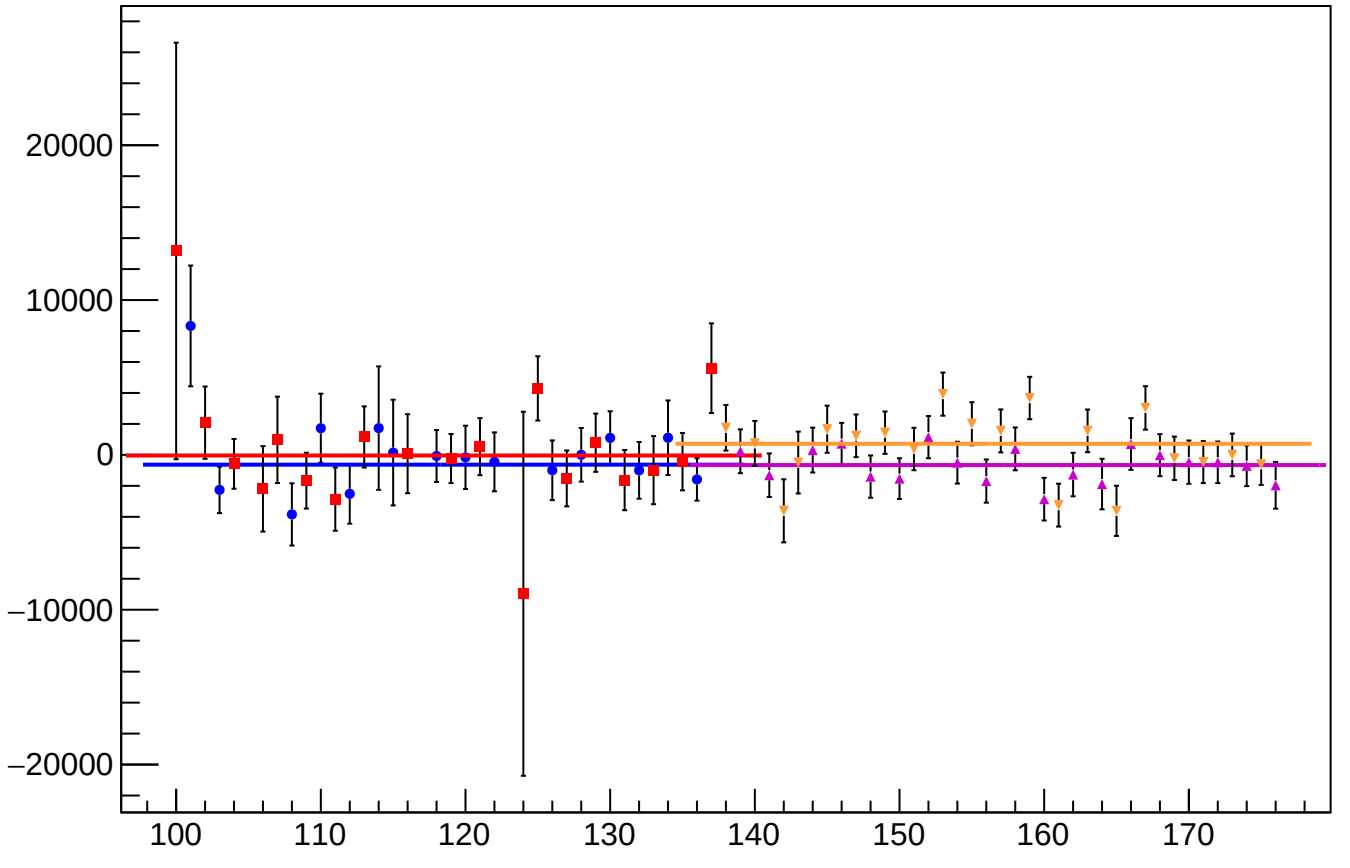
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

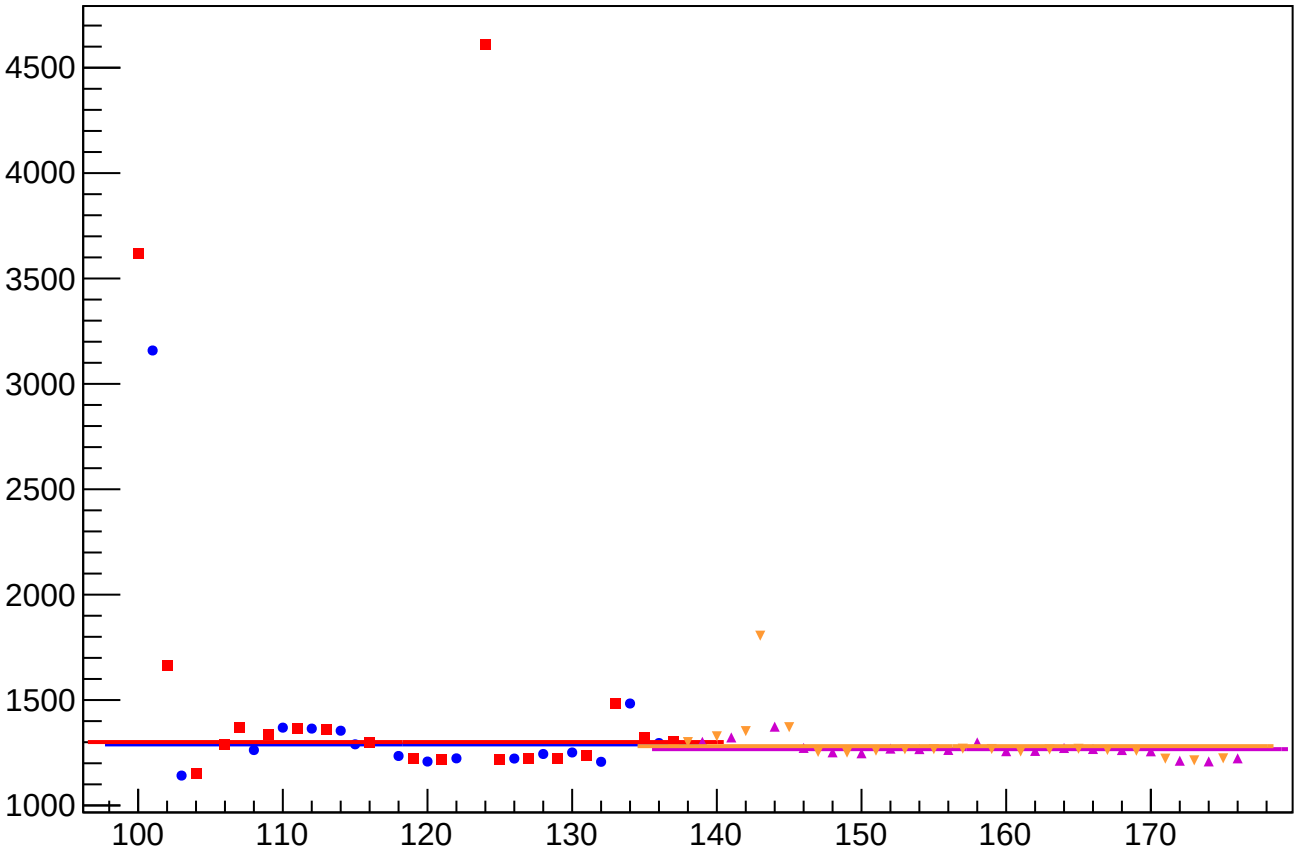
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

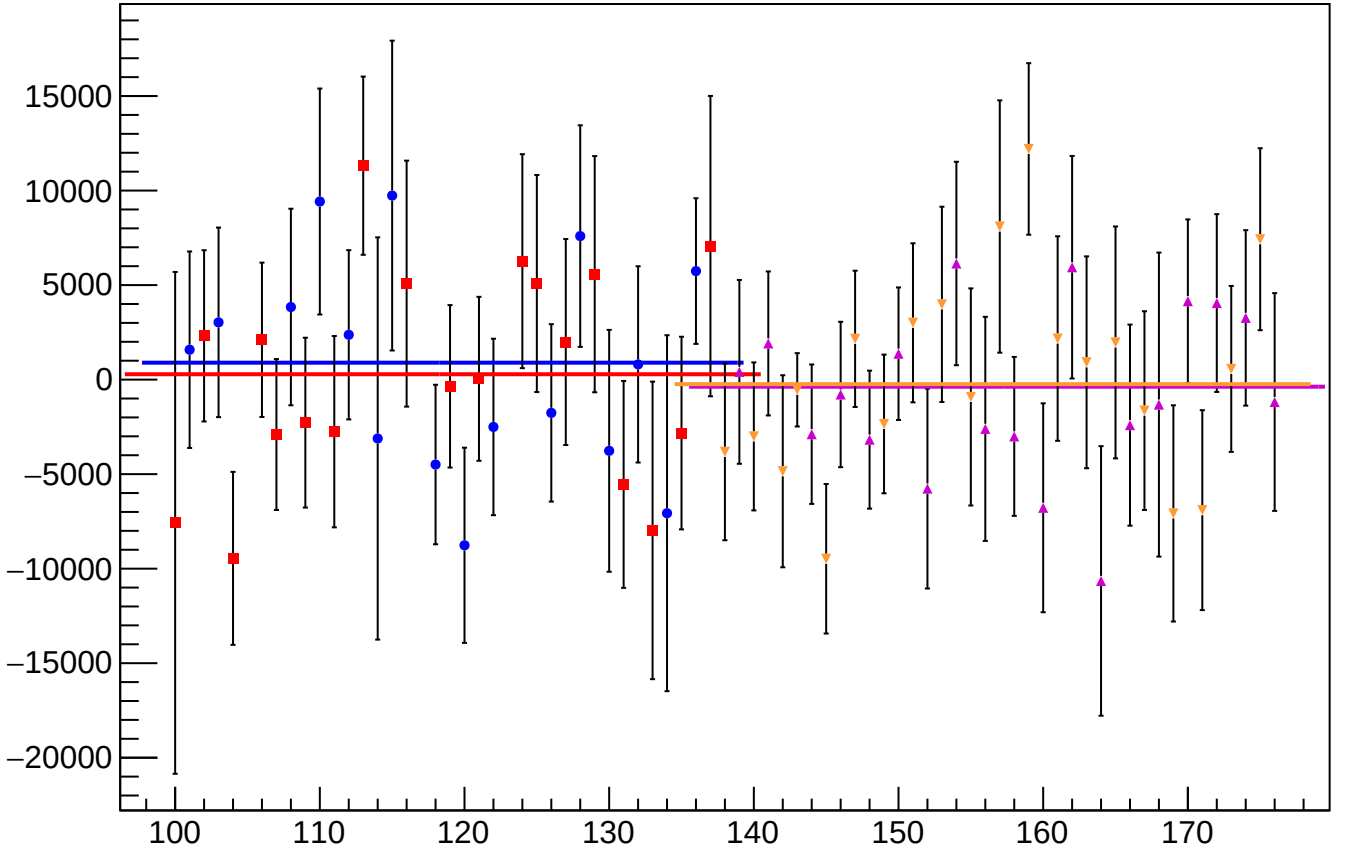
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73

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: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

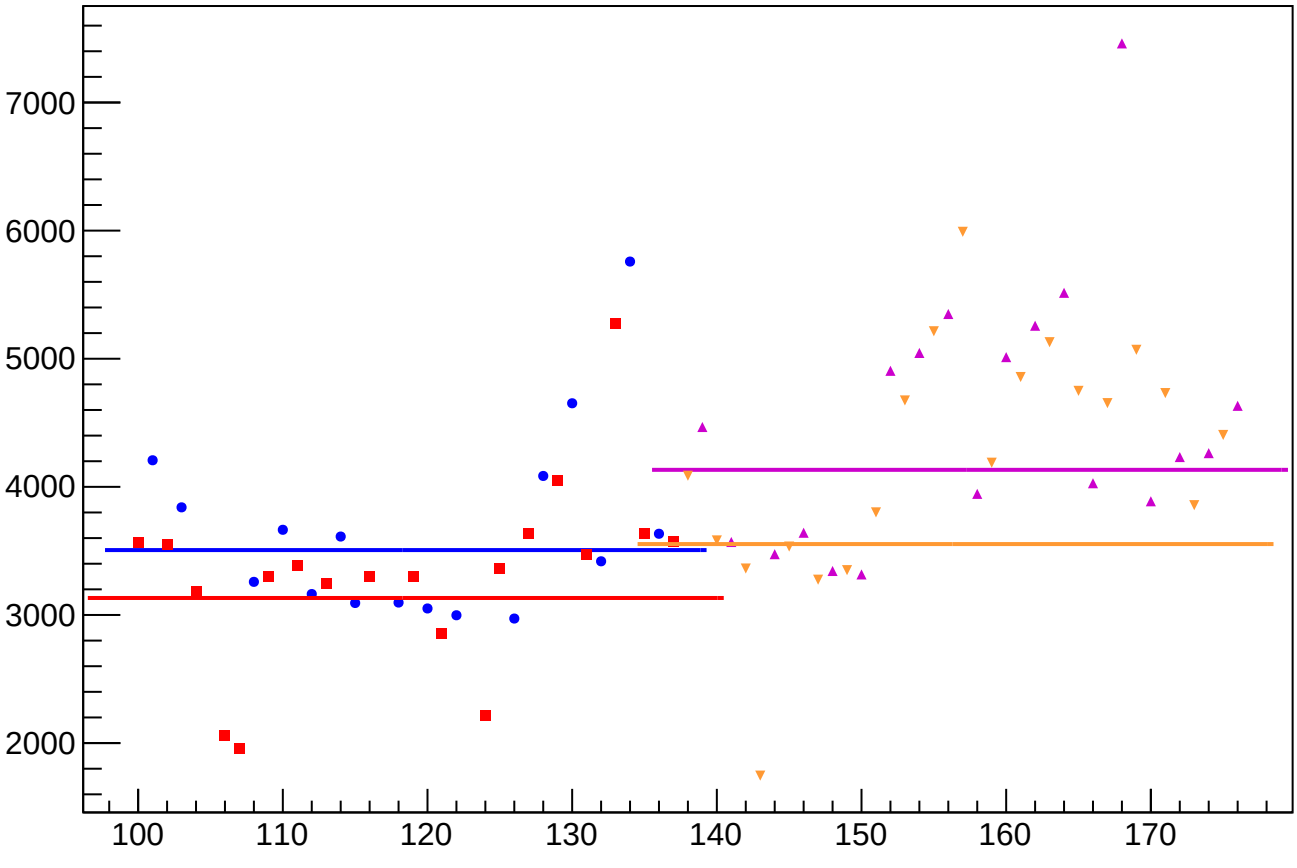
Left: -299.069+/-709.226 χ^2/NDF: 36.6/38

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 36.301+/-552.819 χ^2/NDF: 70.0/73



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

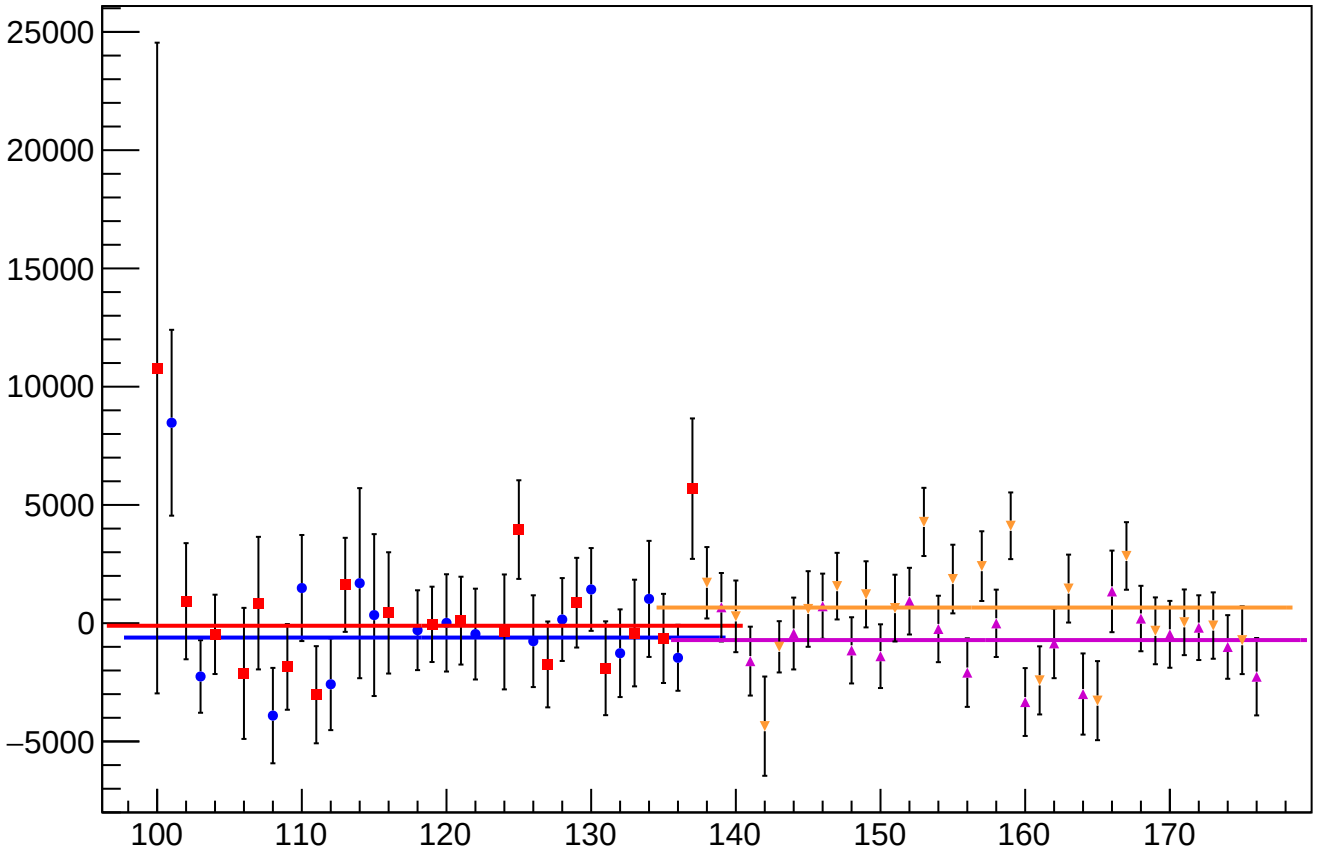
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

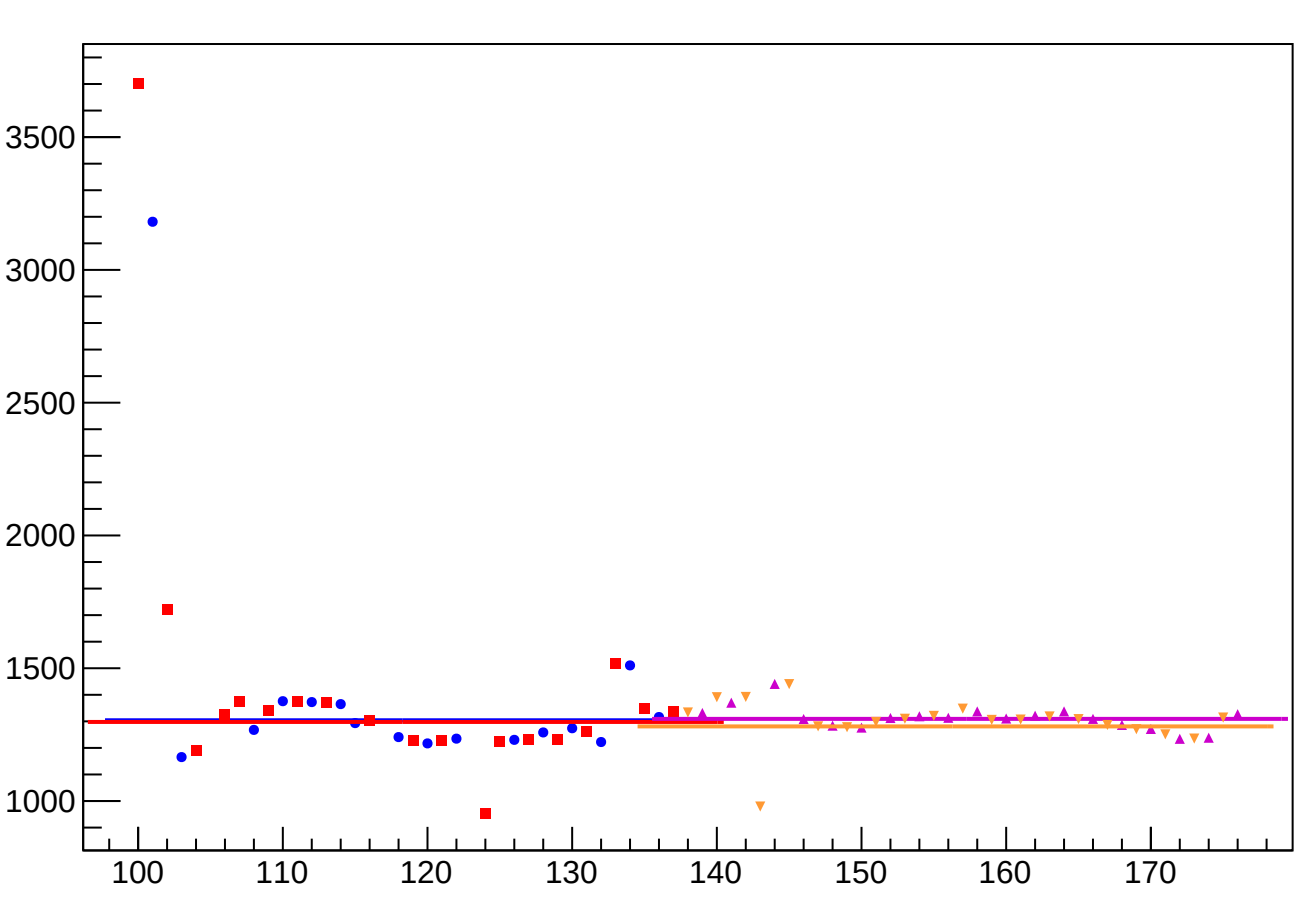
Left: -5.810+/-231.485 χ^2/NDF: 60.5/38

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.268+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

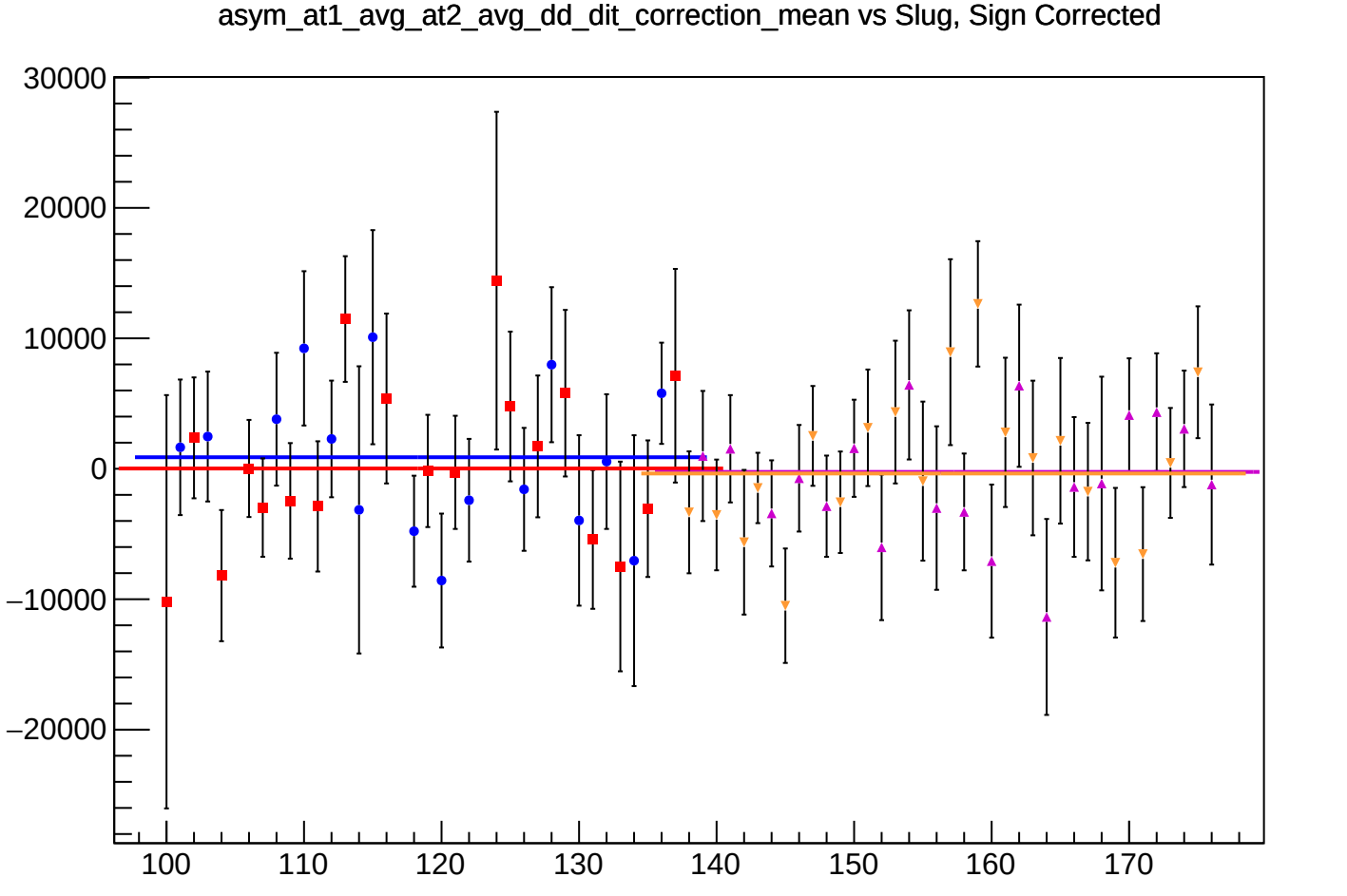
Left: 1294.738+/-0.164 χ^2/NDF: 251220.3/38

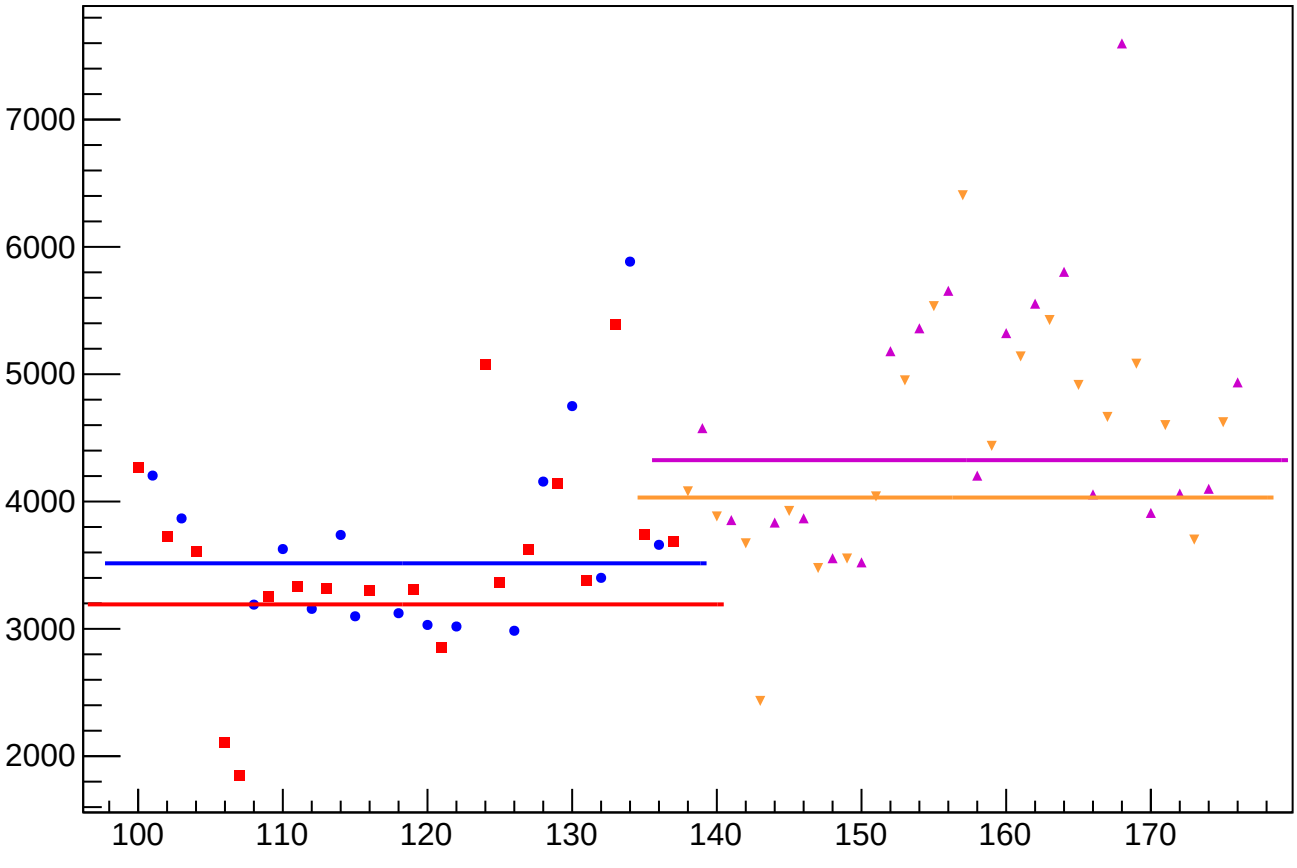
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

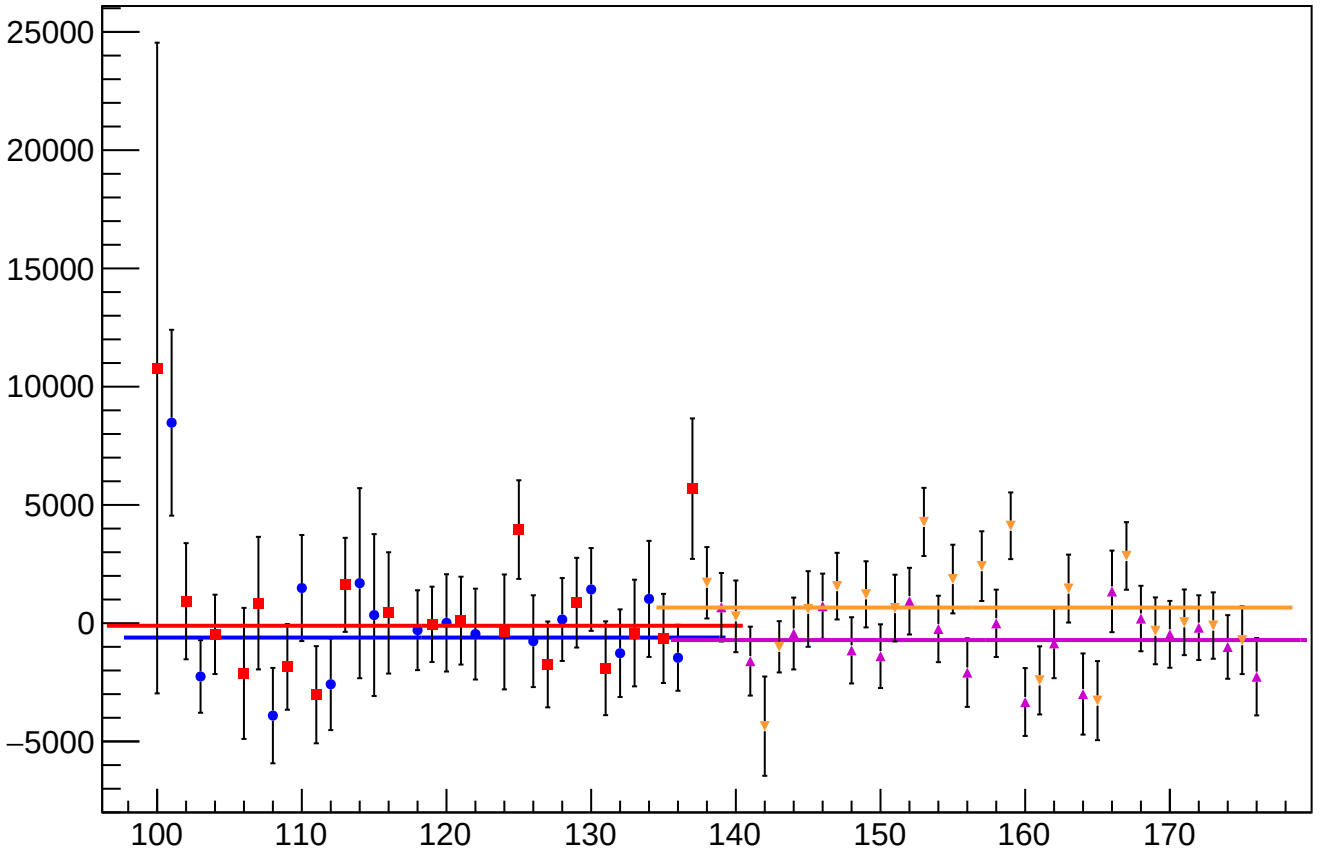
In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73


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: -361.243+/-1045.588 χ²/NDF:24.5/19
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -239.932+/-1120.053 χ²/NDF:12.0/18
Left: -304.754+/-764.313 χ²/NDF: 36.5/38
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 227.518+/-856.028 χ²/NDF:26.5/34
Out: -196.422+/-788.324 χ²/NDF:41.4/38
All: -1.877+/-579.889 χ²/NDF: 68.0/73


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 4031.441+/-0.739 χ²/NDF:1584886.0/19
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4324.914+/-0.792 χ²/NDF:1048985.0/18
Left: 4168.098+/-0.540 χ²/NDF: 2707239.2/38
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3987.977+/-0.605 χ²/NDF:1859250.4/34
Out: 3669.264+/-0.557 χ²/NDF:2913433.9/38
All: 3815.520+/-0.410 χ²/NDF: 4922699.1/73



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

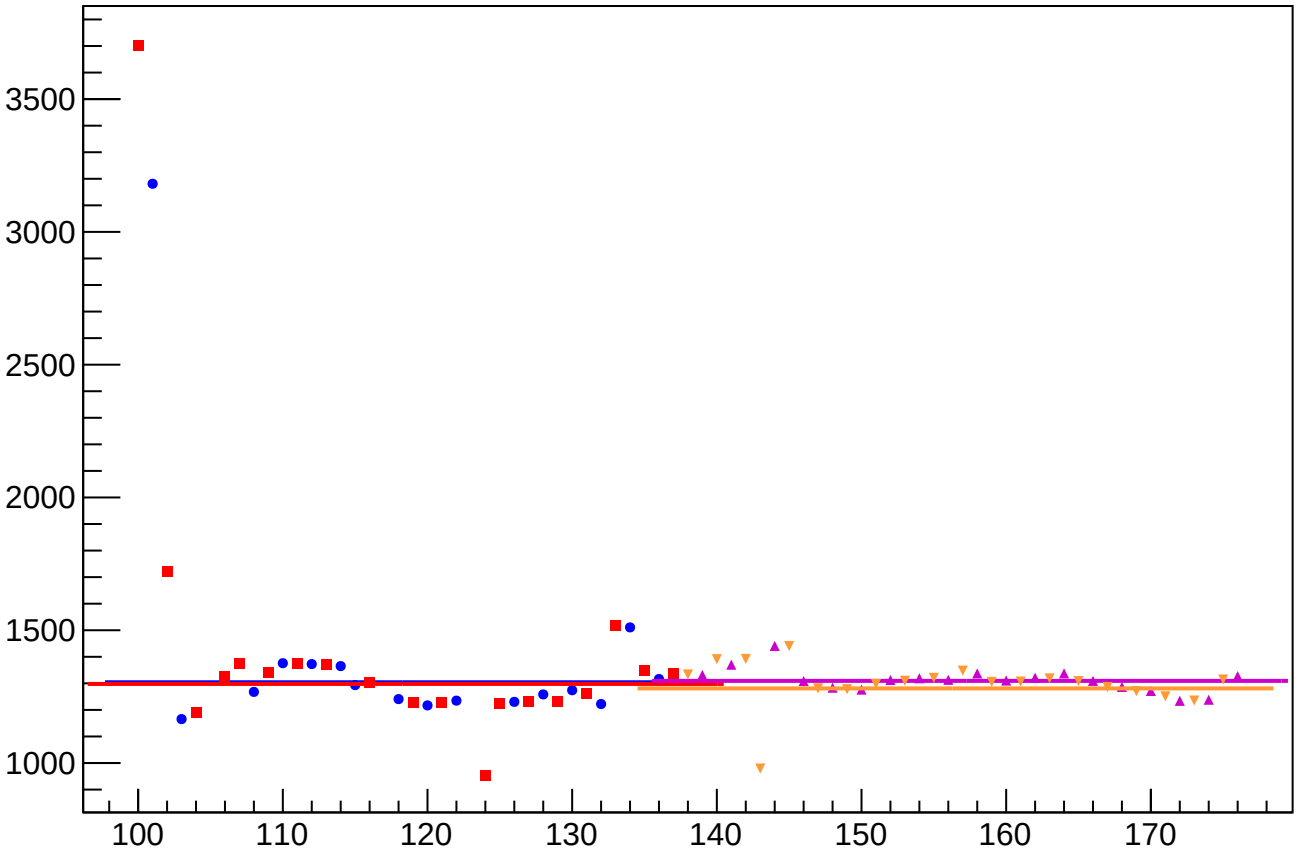
Left: -5.809+/-231.486 χ^2/NDF: 60.5/38

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.269+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

Left: 1294.739+/-0.164 χ^2/NDF: 251222.7/38

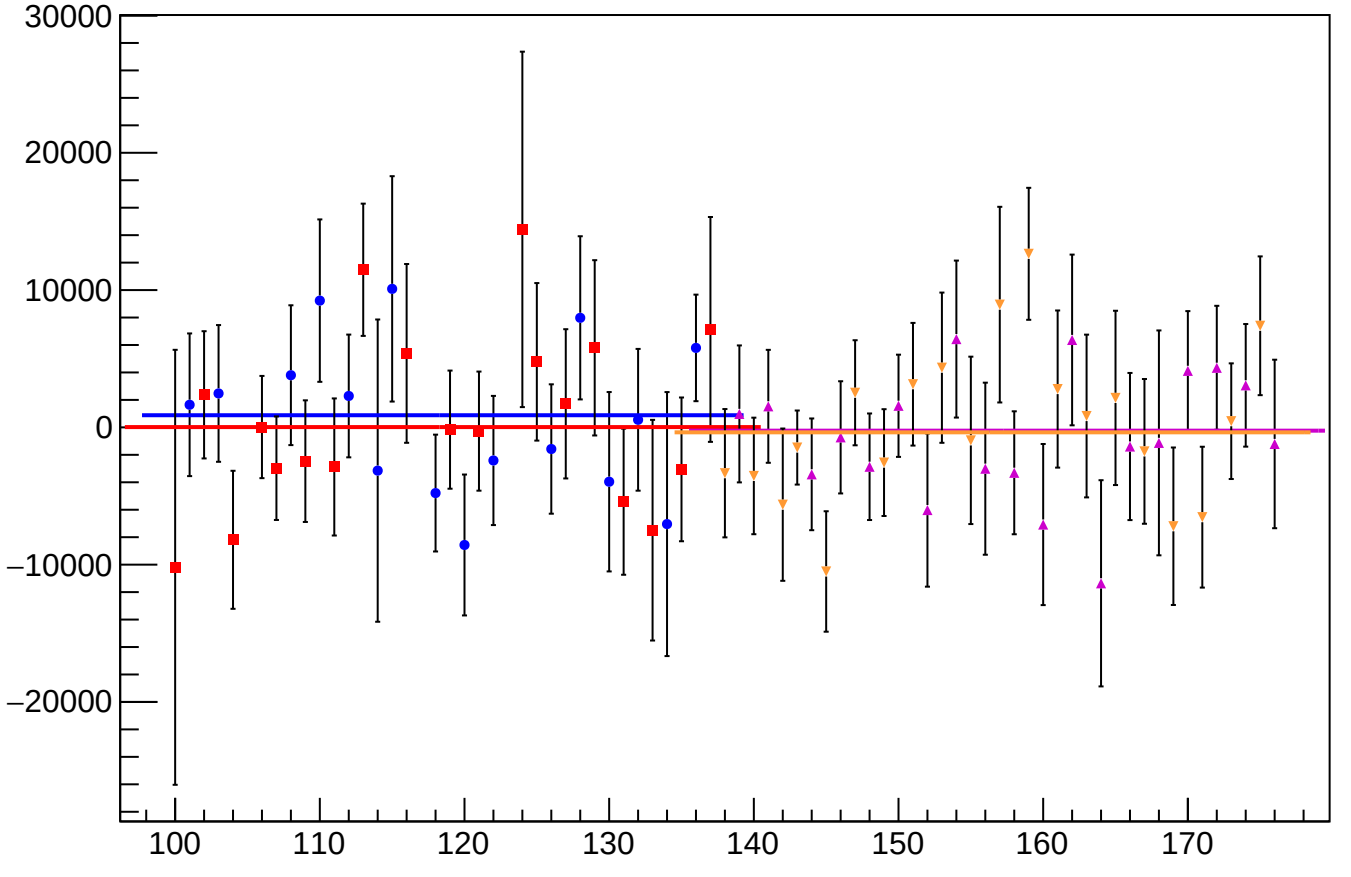
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73

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: -361.241+/-1045.589 χ^2/NDF:24.5/19

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -239.931+/-1120.055 χ^2/NDF:12.0/18

Left: -304.752+/-764.314 χ^2/NDF: 36.5/38

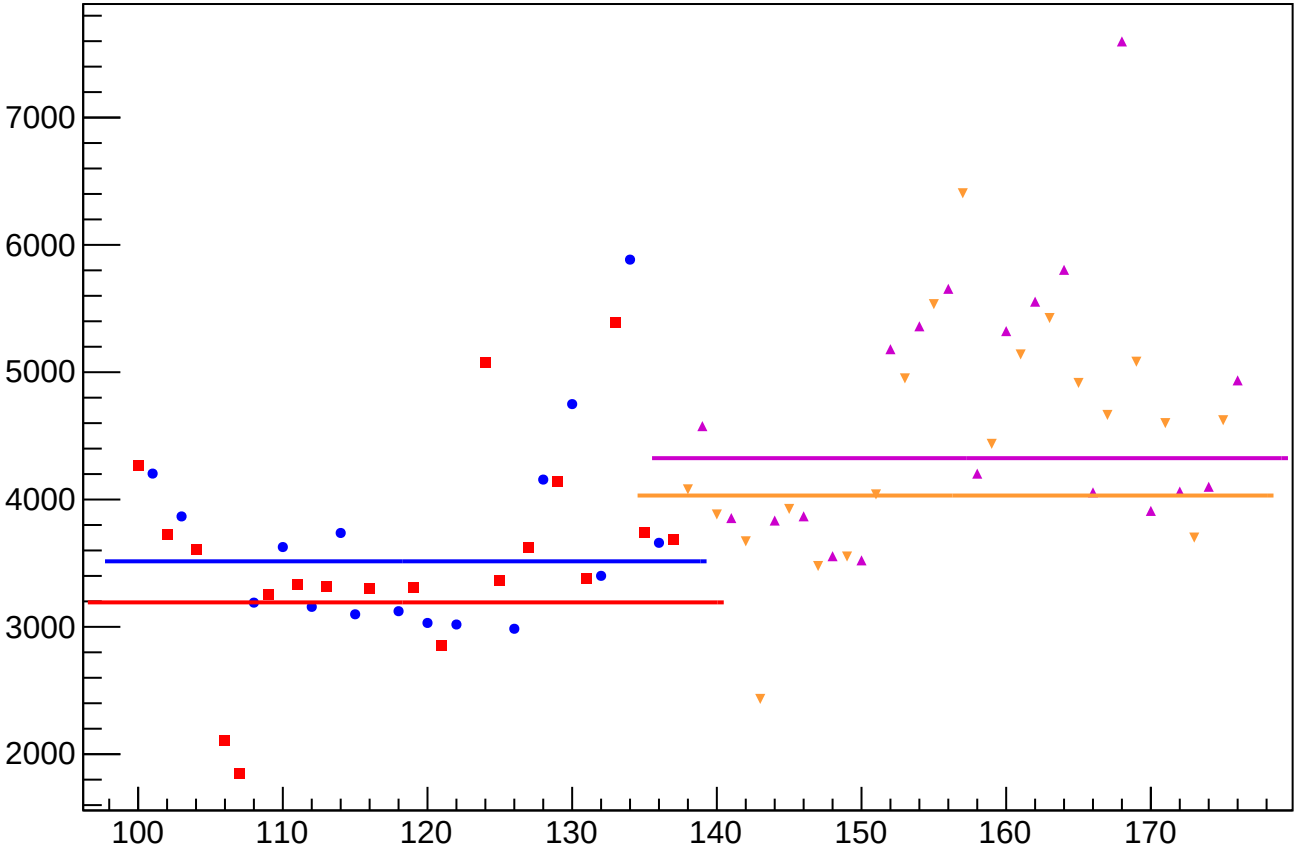
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 227.516+/-856.028 χ^2/NDF:26.5/34

Out: -196.421+/-788.324 χ^2/NDF:41.4/38

All: -1.878+/-579.889 χ^2/NDF: 68.0/73

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

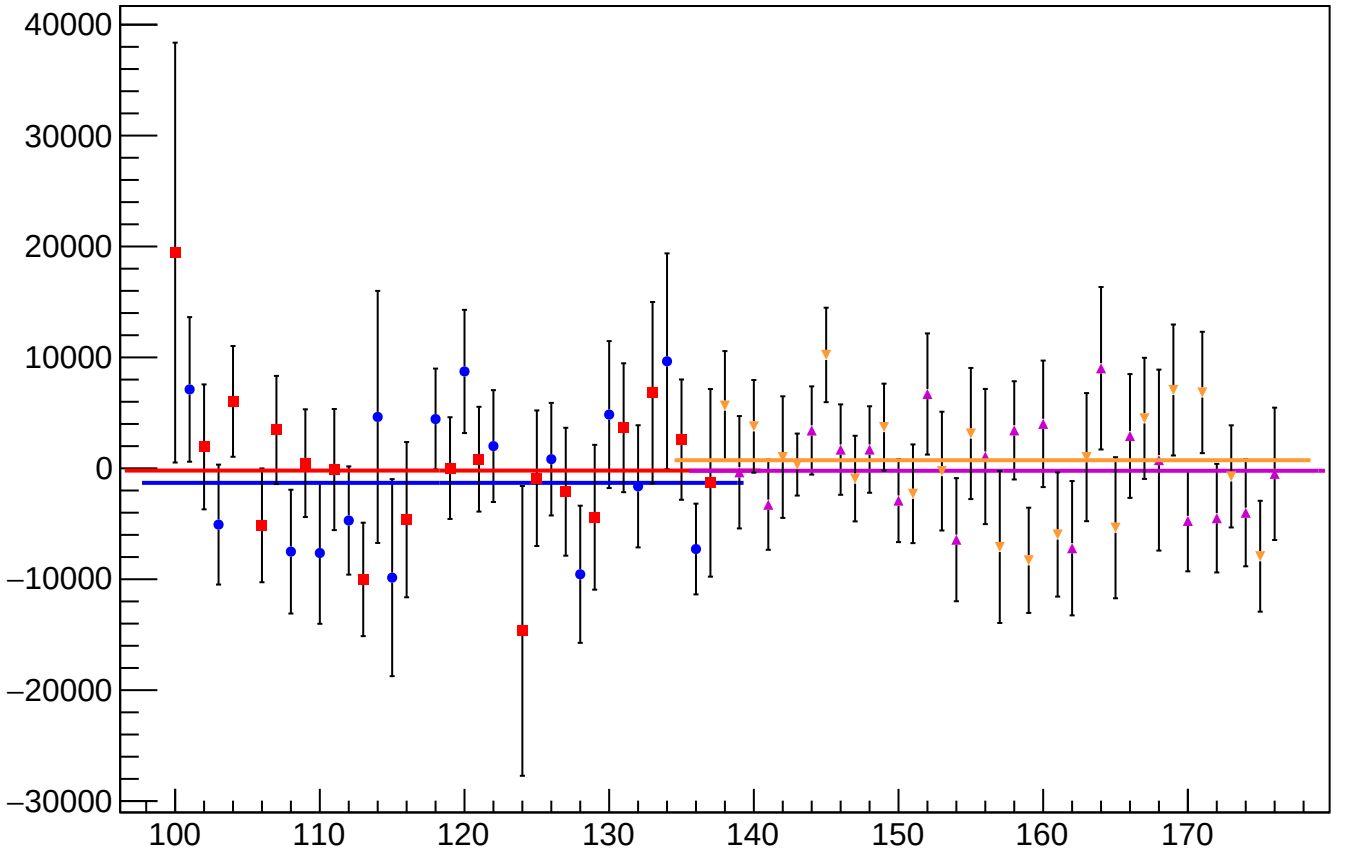
Left: 4168.105+/-0.540 χ^2/NDF: 2707242.3/38

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

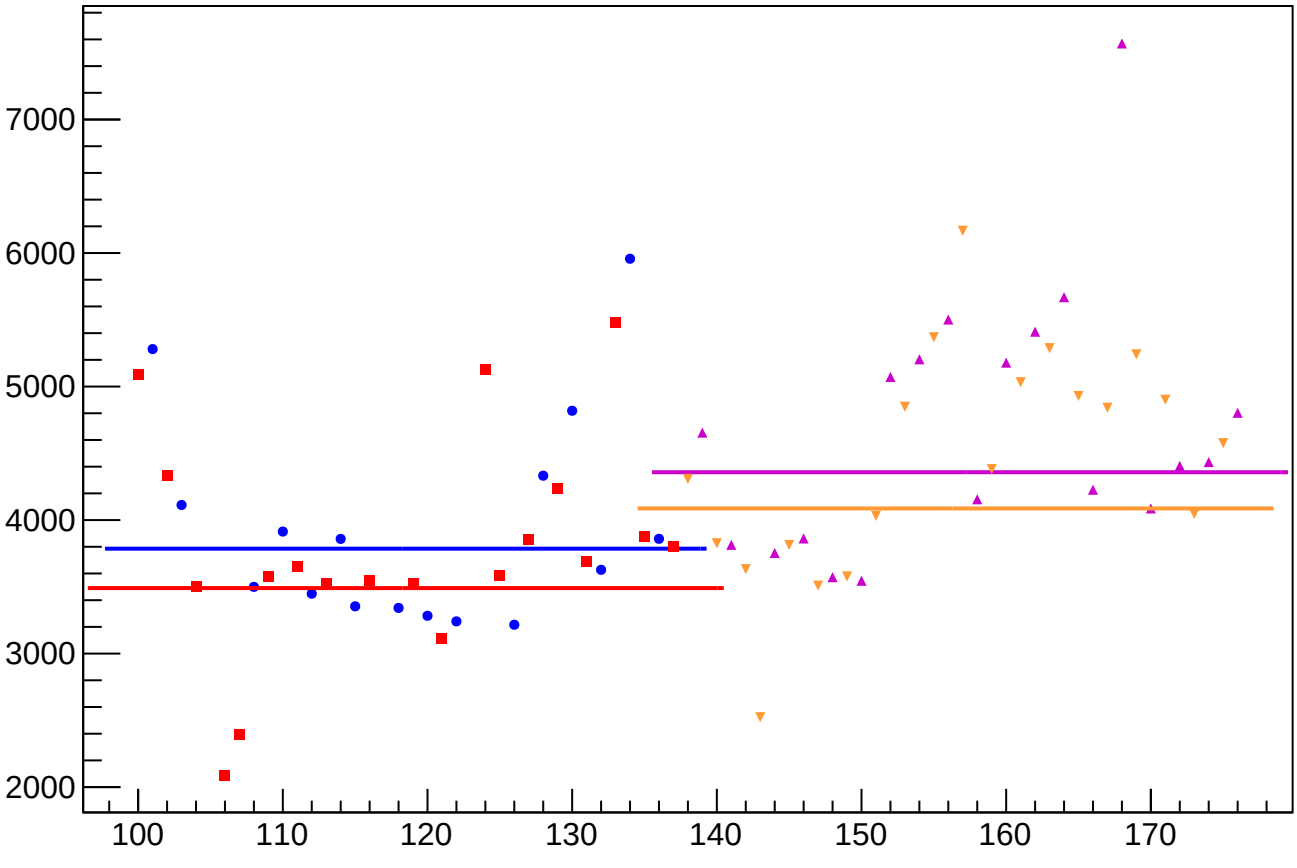
Left: 285.579+/-770.274 χ^2/NDF: 33.7/38

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -98.941+/-604.835 χ^2/NDF: 63.9/73



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

Left: 4213.955+/-0.545 χ^2/NDF: 2429343.2/38

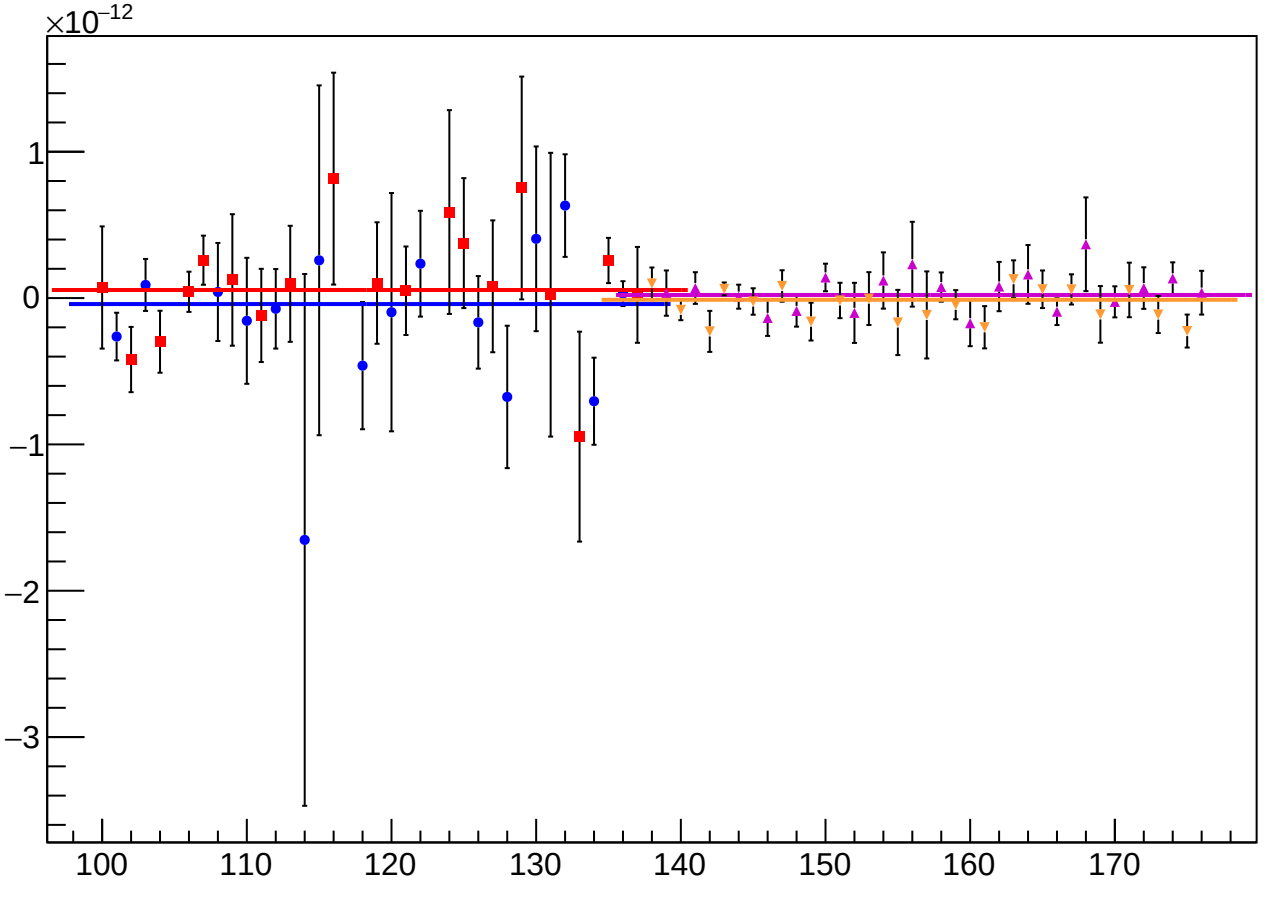
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/18

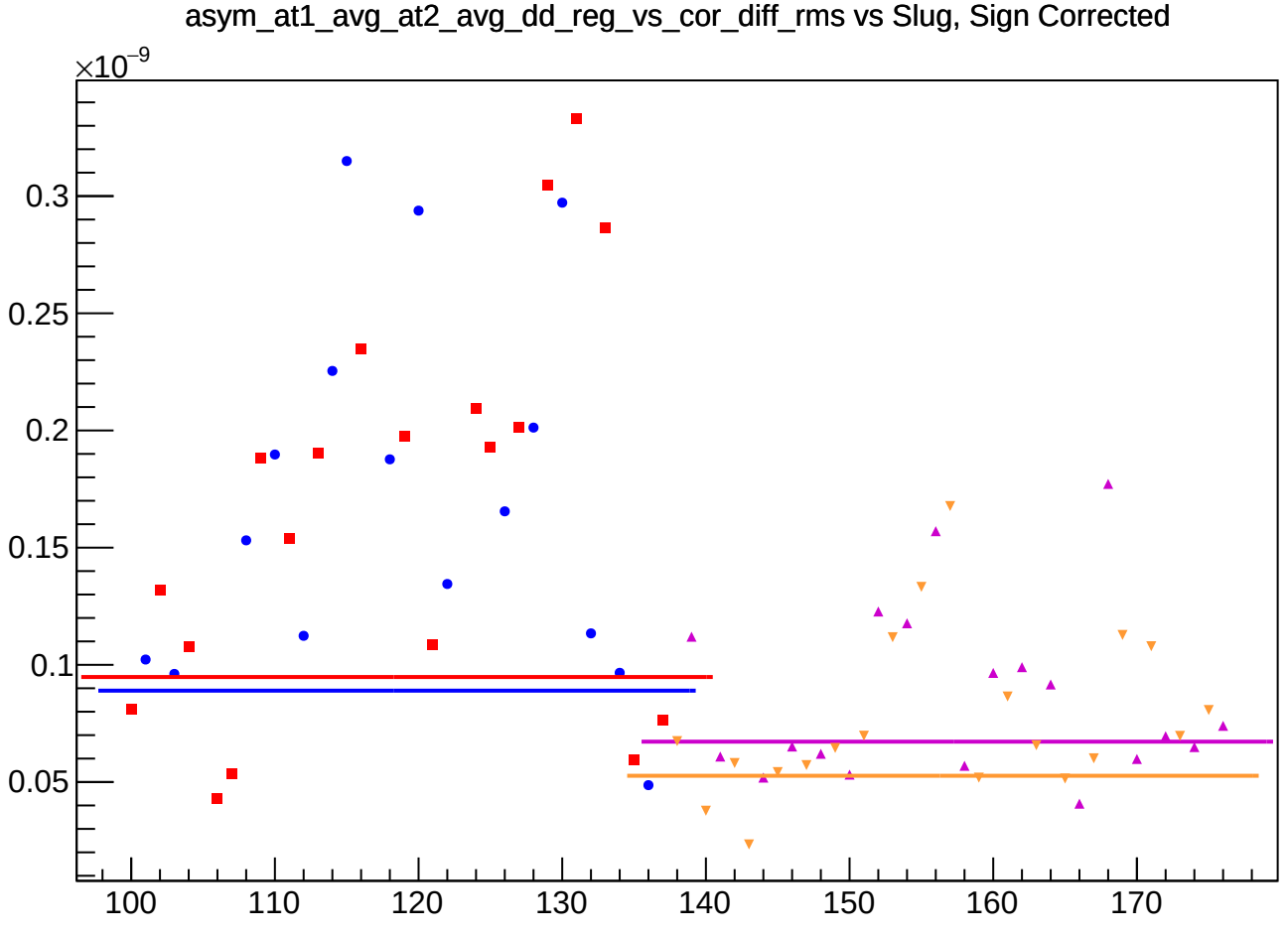
Left: 0.000+/-0.000 χ^2/NDF: 31.3/38

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/34

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

Left: 0.000+/-0.000 χ^2/NDF: 4207898.5/38

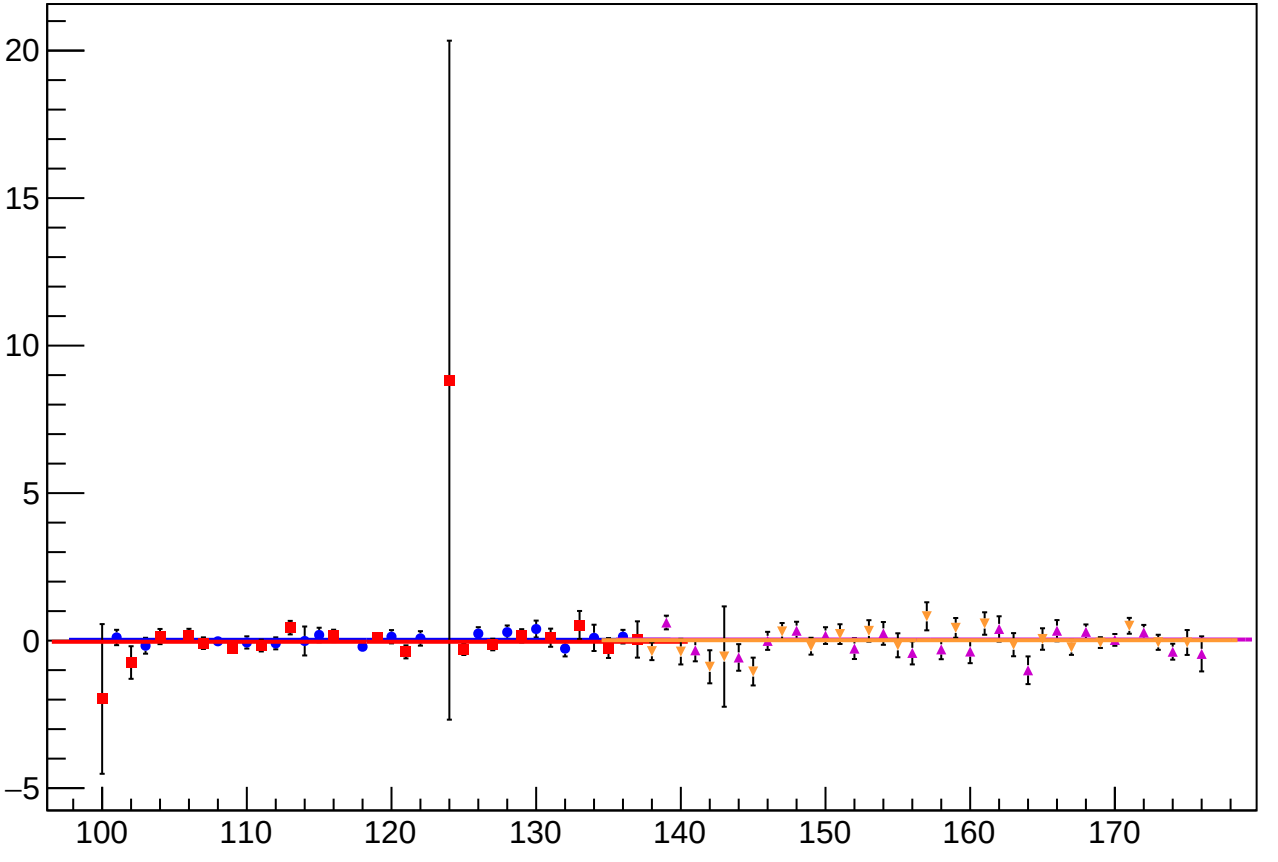
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3060442.4/34

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

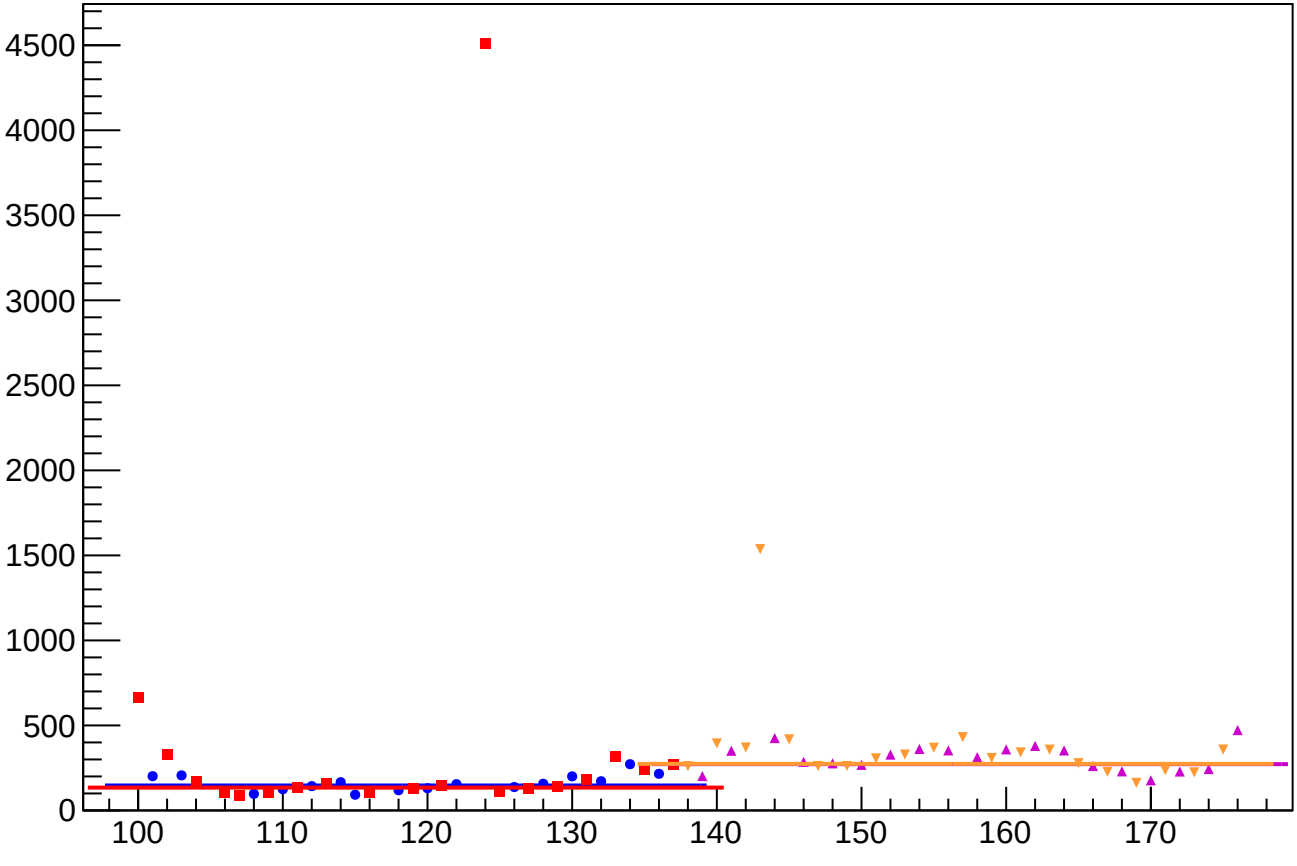
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

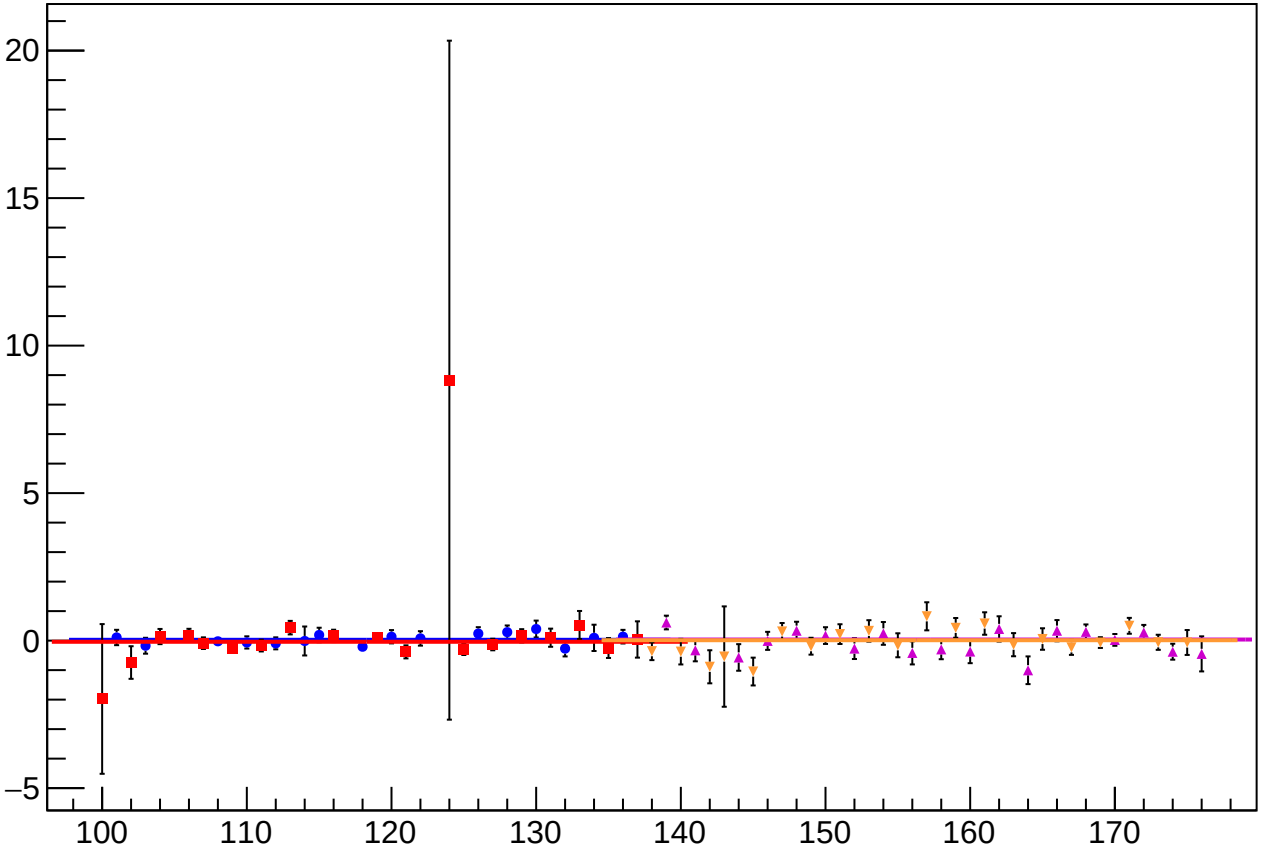
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

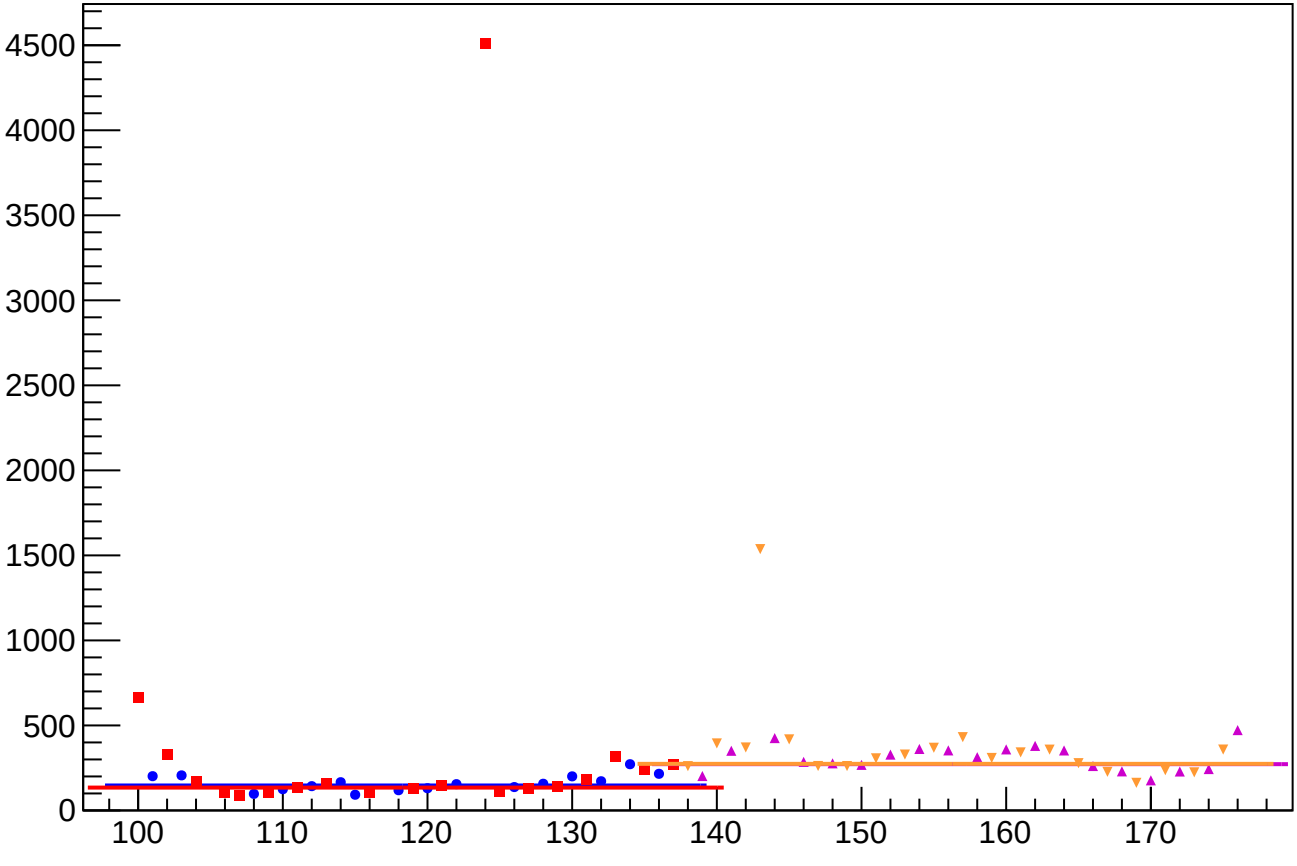
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

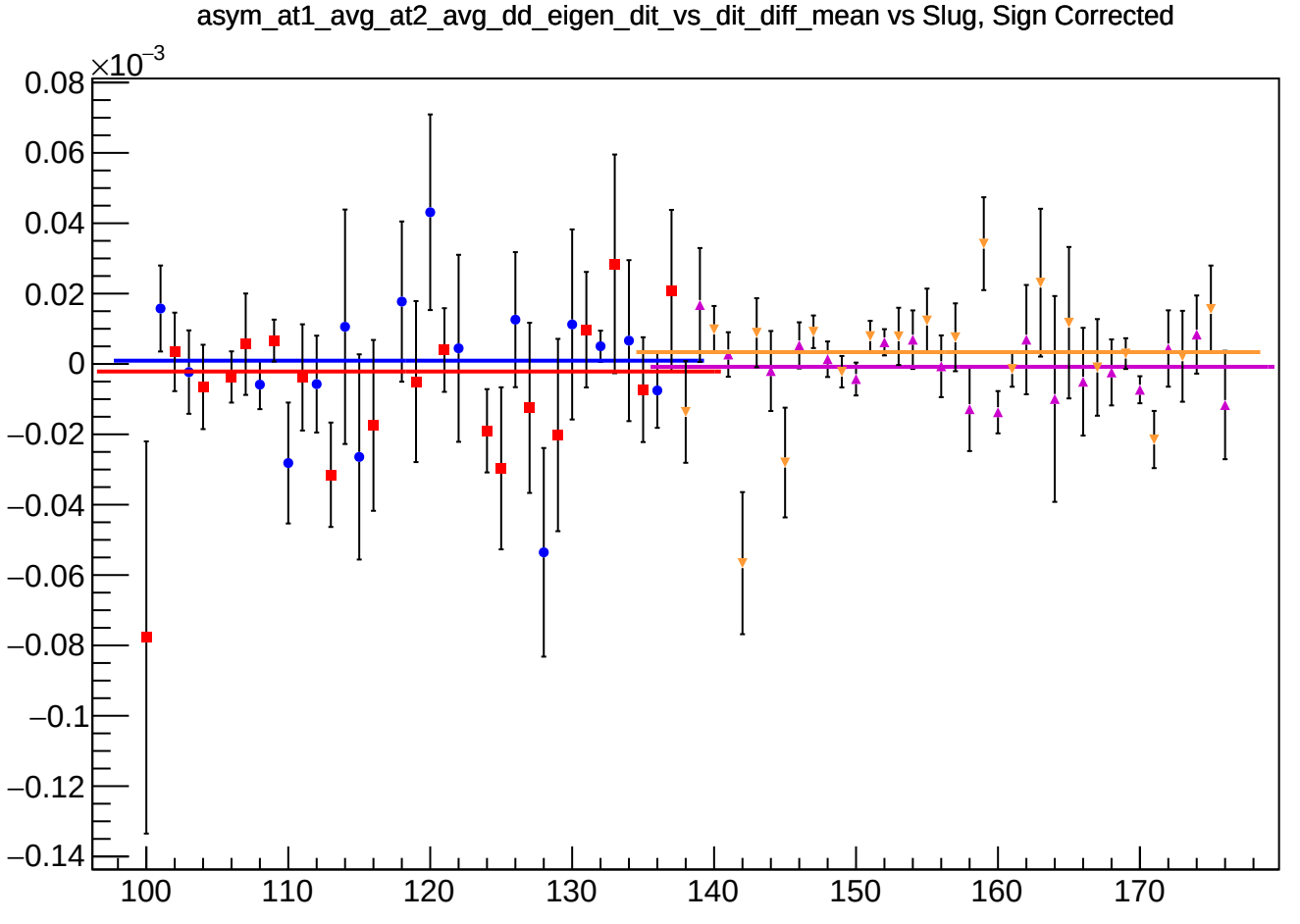
Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

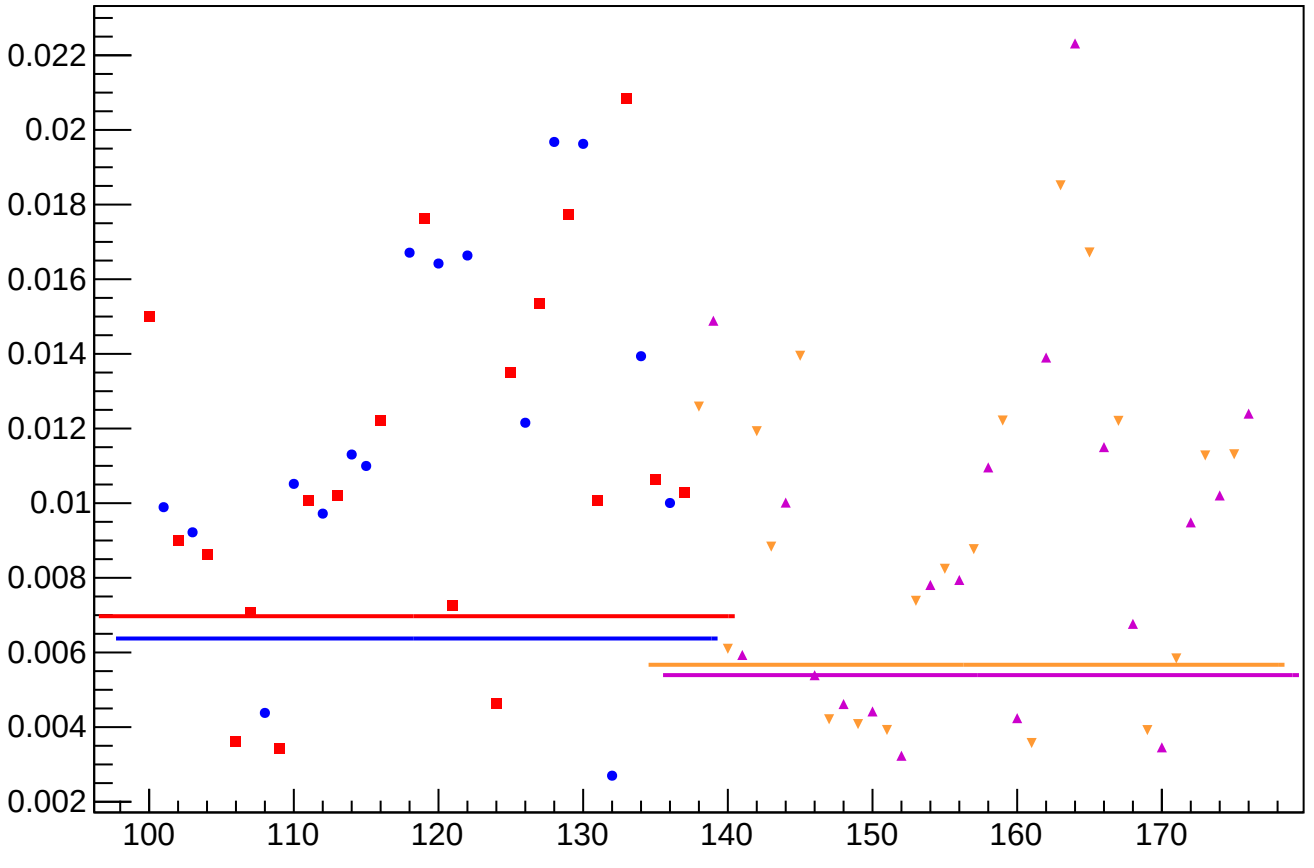
Left: 0.000+/-0.000 χ^2/NDF: 60.1/38

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 92.1/73



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12260522.1/38

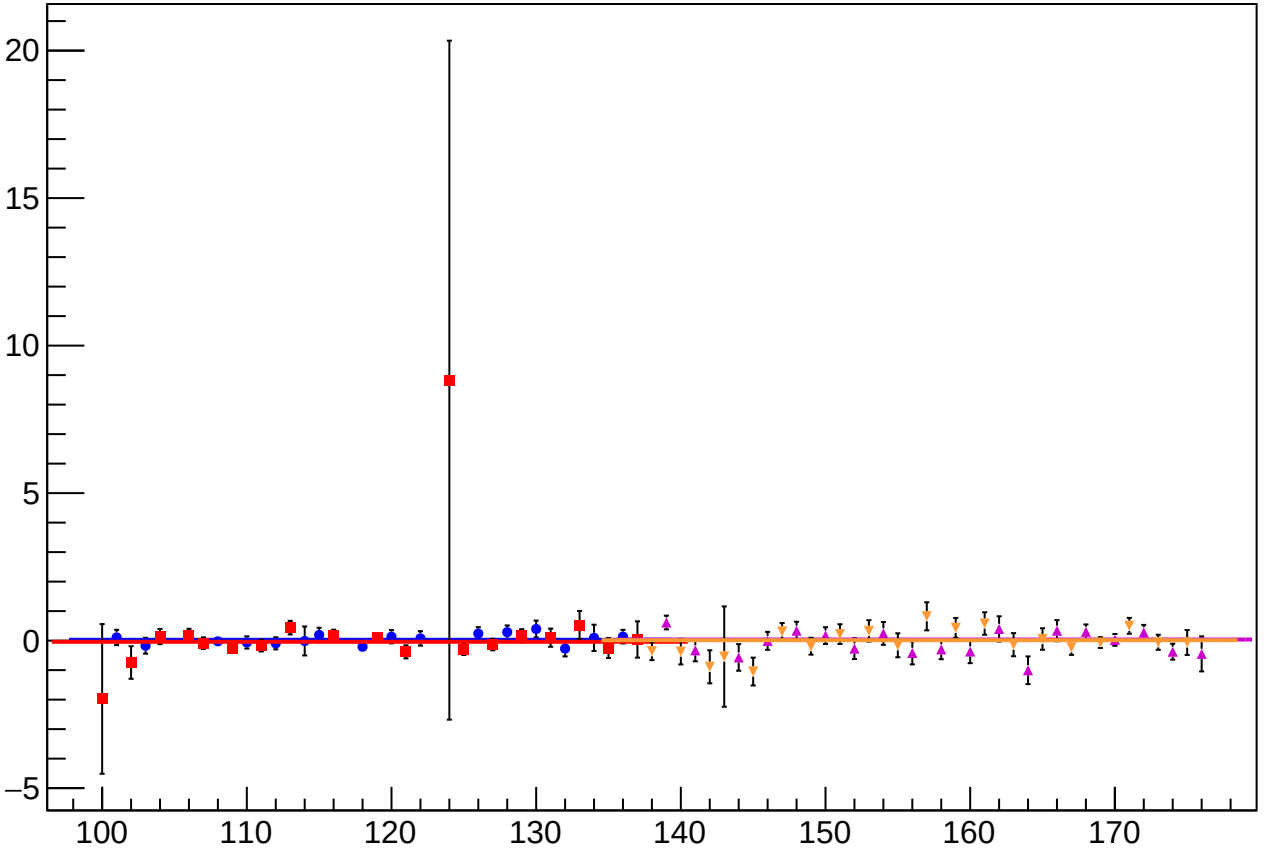
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20800993.9/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

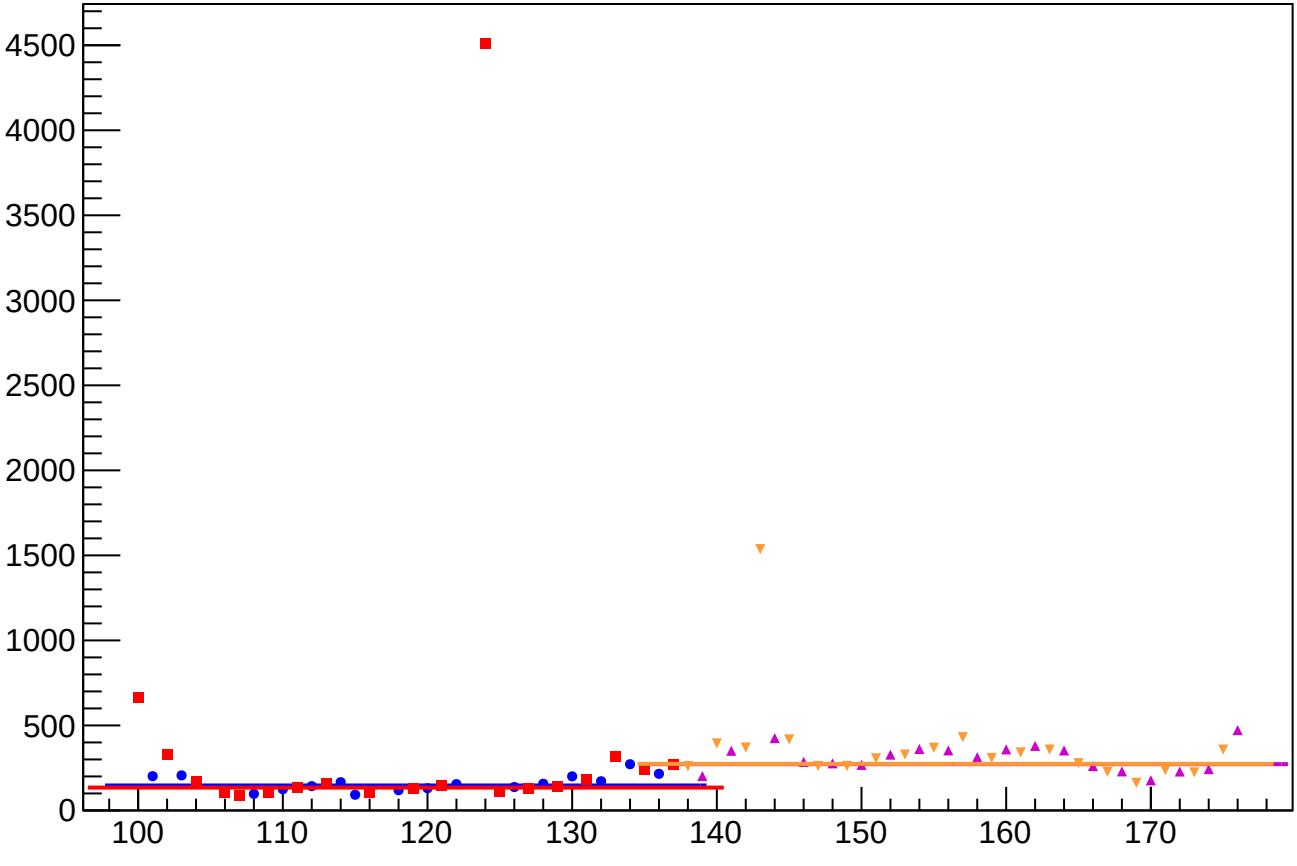
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

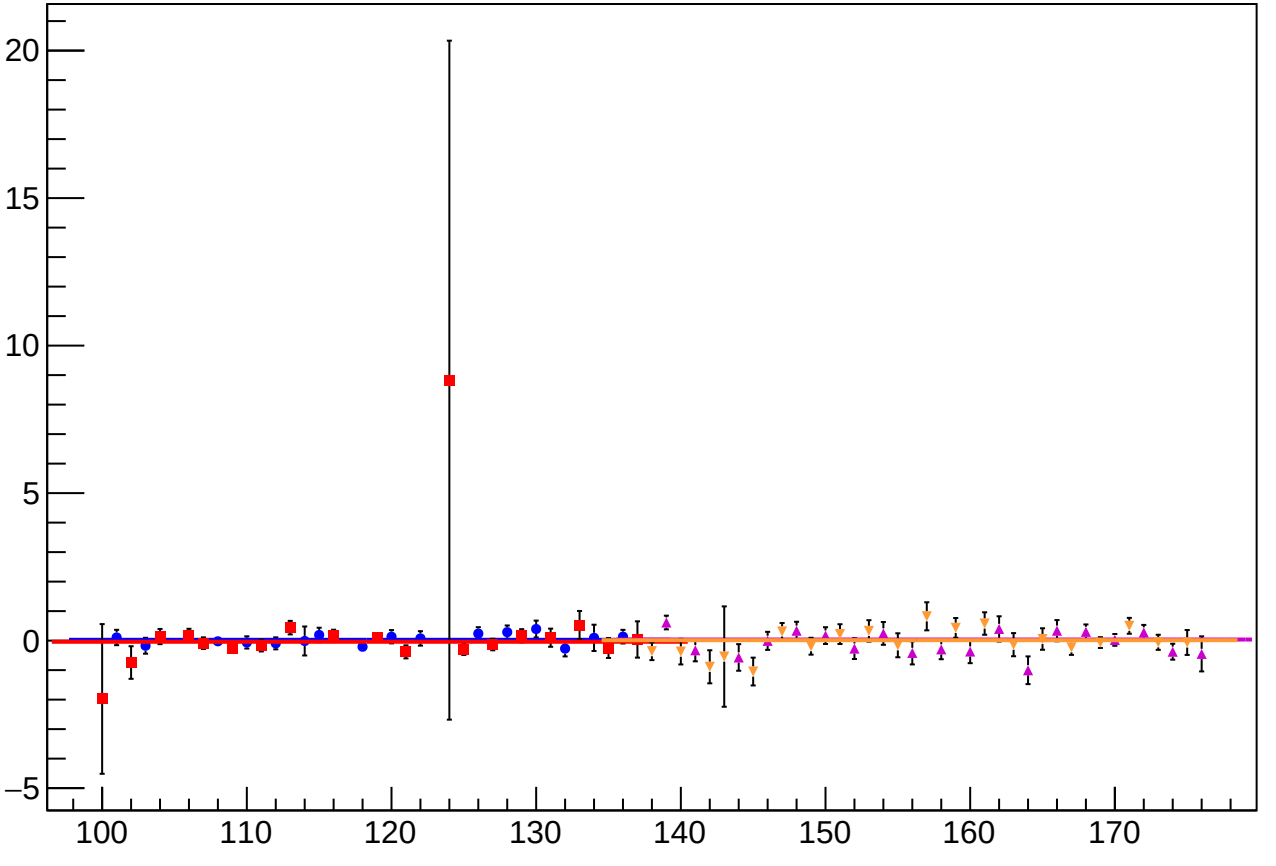
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

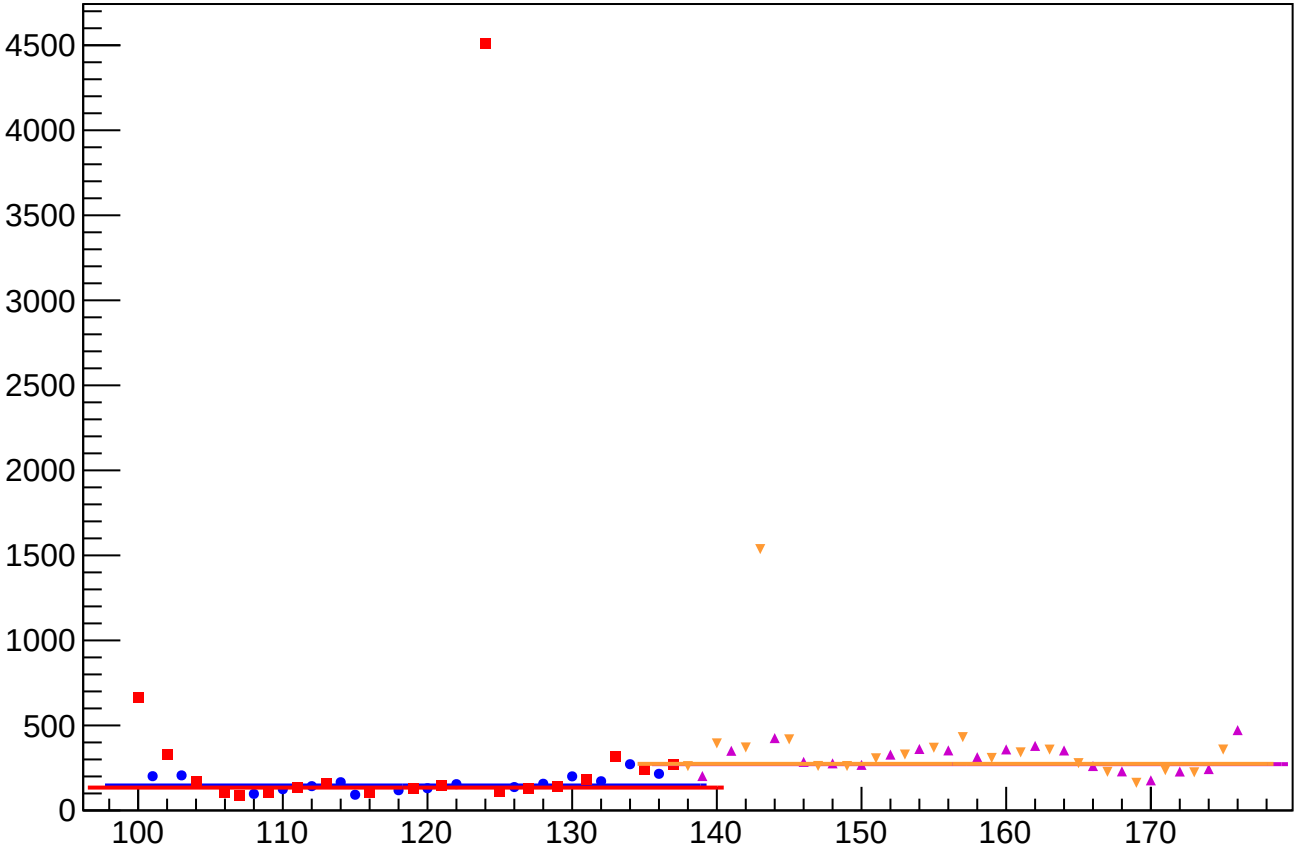
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

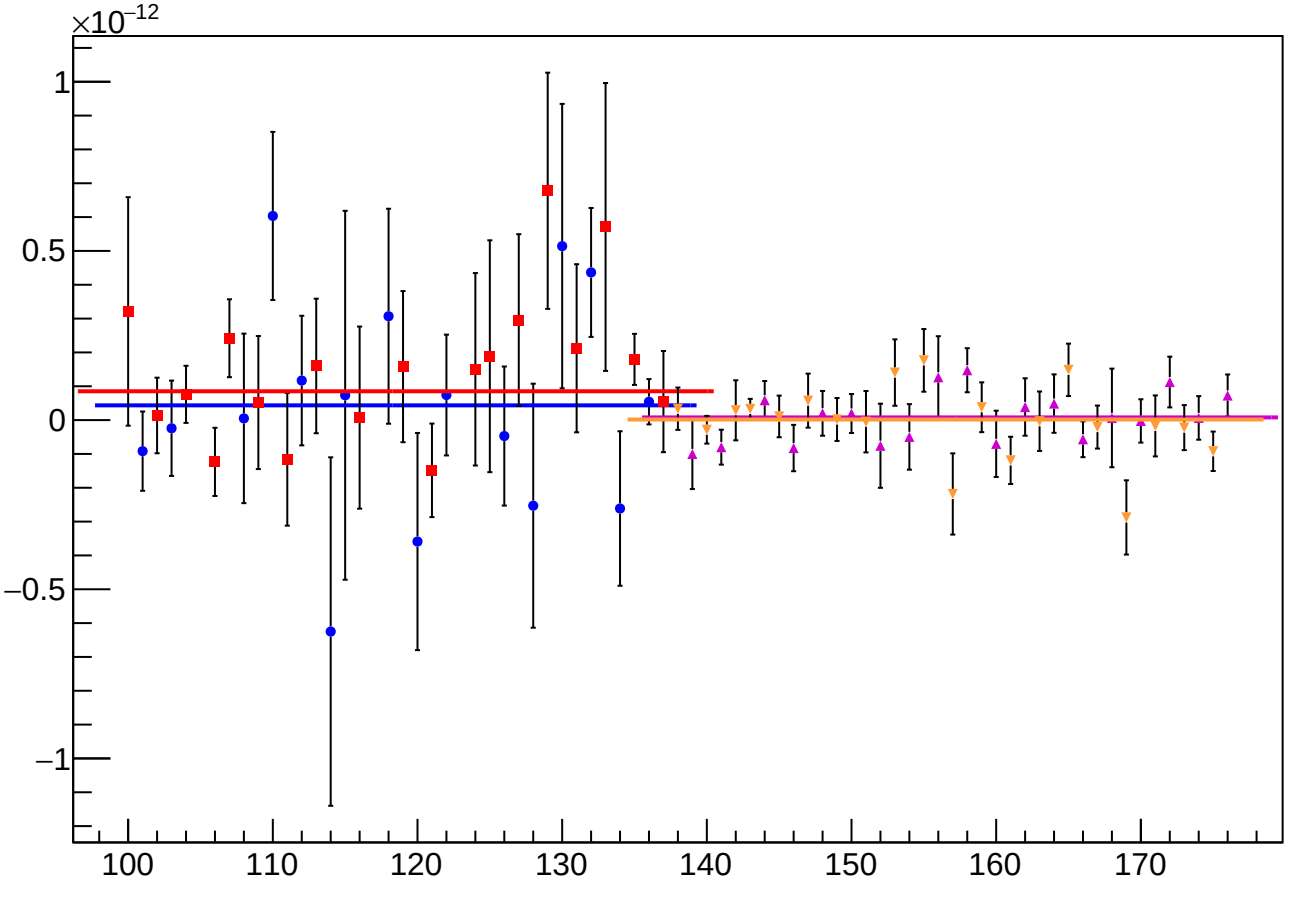
Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

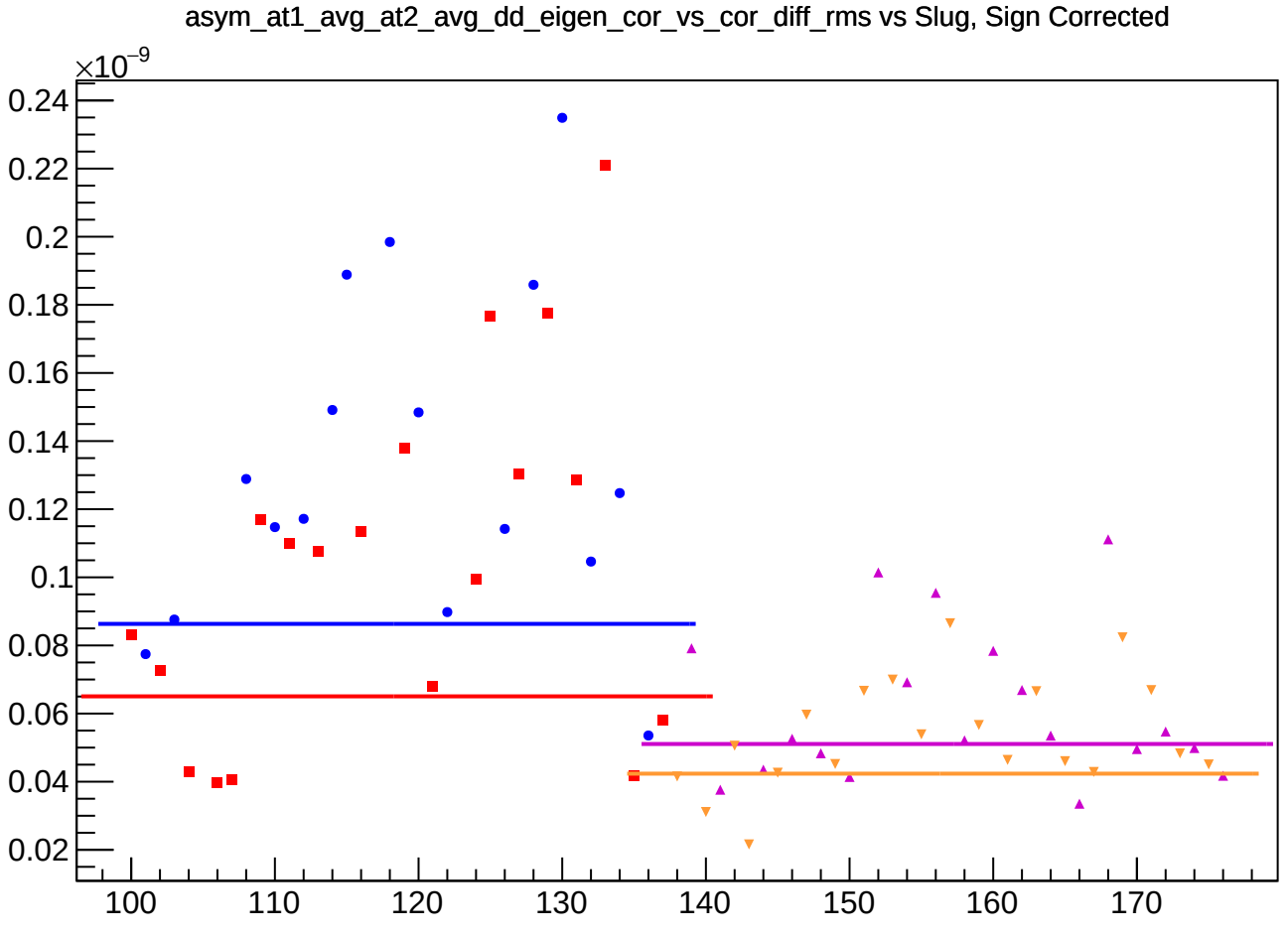
Left: 0.000+/-0.000 χ^2/NDF: 46.7/38

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 89.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

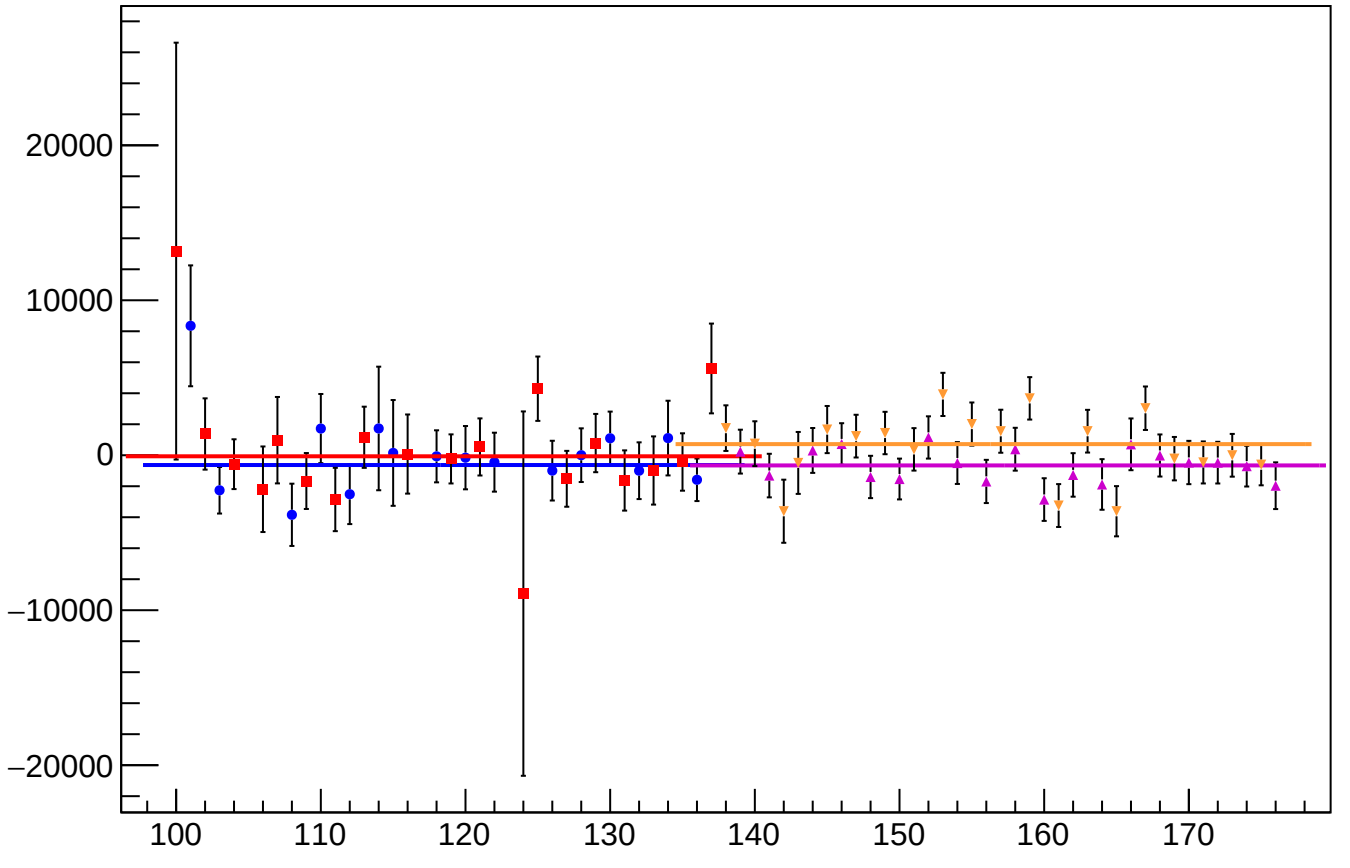
Left: 0.000+/-0.000 χ^2/NDF: 4726782.2/38

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.812+/-322.406 χ^2/NDF:38.3/19

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

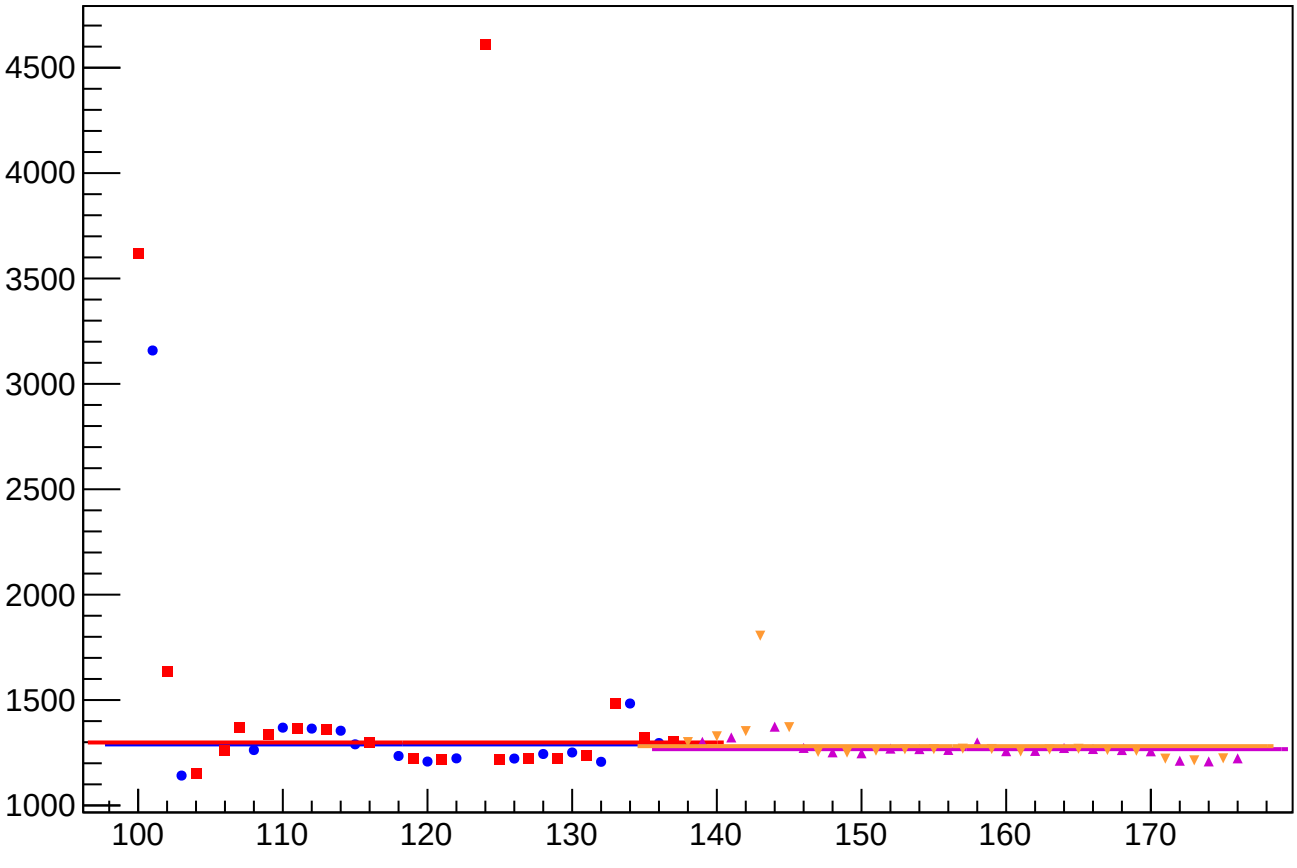
Left: 28.628+/-227.662 χ^2/NDF: 58.2/38

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 478.985+/-268.960 χ^2/NDF:56.0/38

All: -85.773+/-190.055 χ^2/NDF: 89.5/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1274.093+/-0.161 χ^2/NDF: 194981.3/38

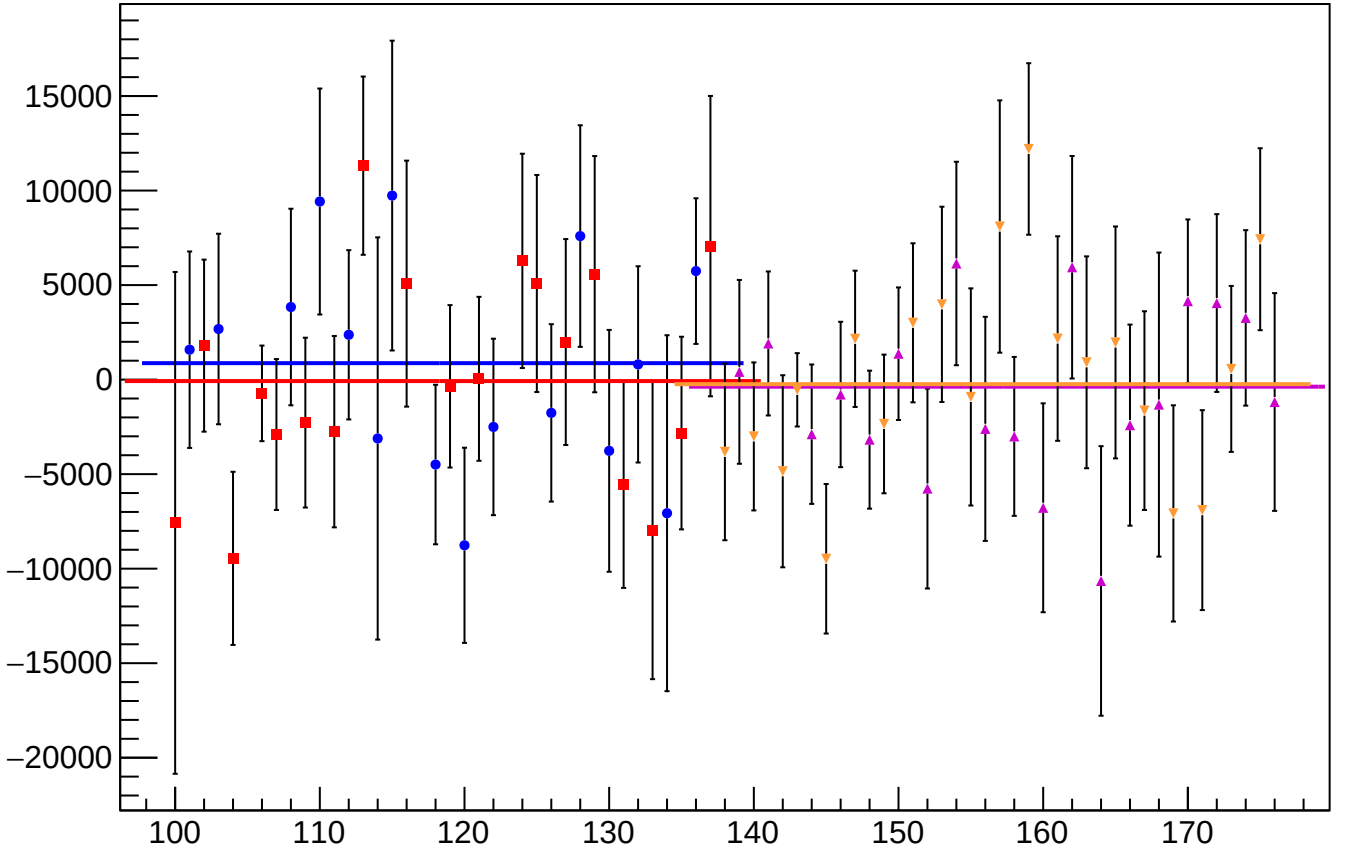
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1286.556+/-0.190 χ^2/NDF:487923.4/38

All: 1280.162+/-0.134 χ^2/NDF: 1034067.8/73

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -240.210+/-946.405 χ^2/NDF:24.5/19

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -374.536+/-1071.133 χ^2/NDF:12.1/18

Left: -299.100+/-709.227 χ^2/NDF: 36.6/38

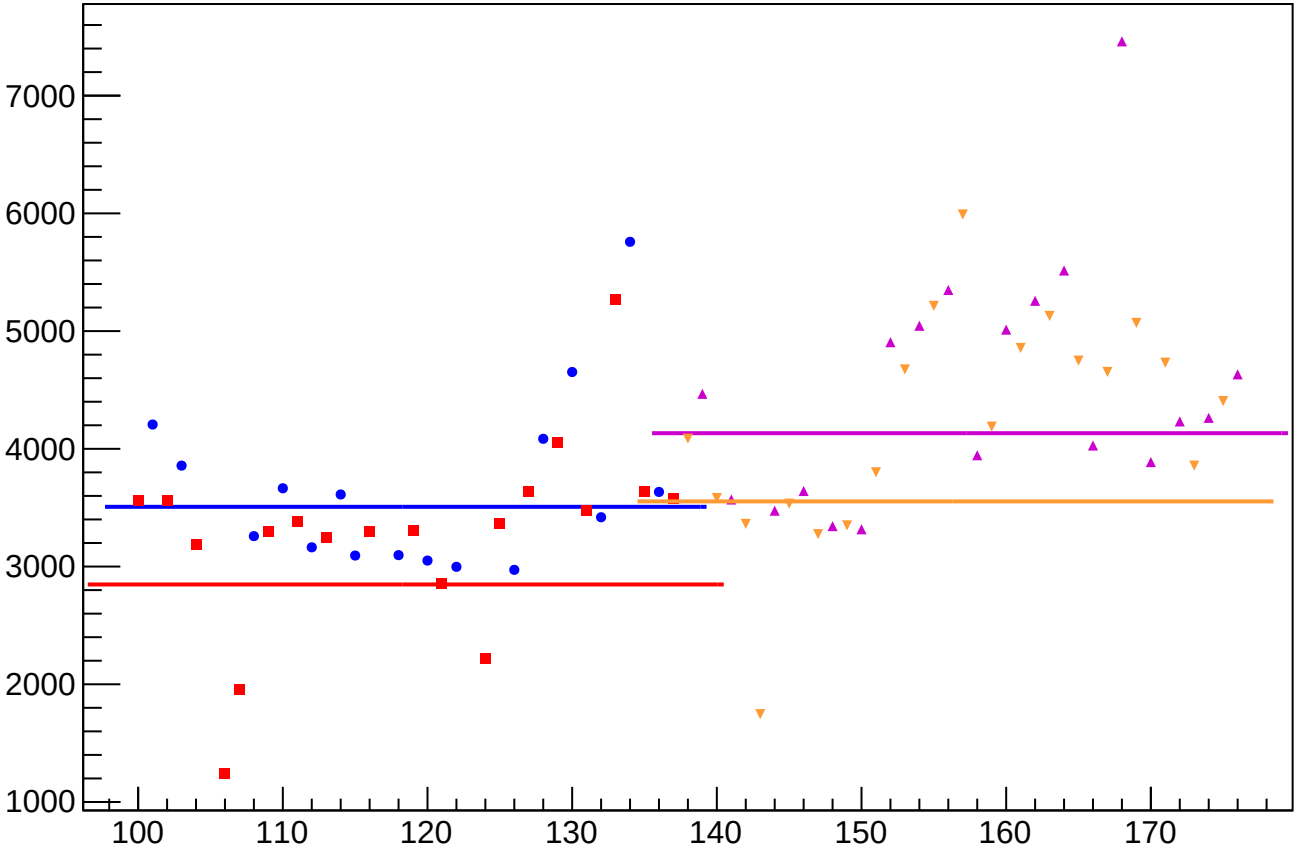
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 117.330+/-833.058 χ^2/NDF:26.6/34

Out: -171.720+/-720.465 χ^2/NDF:42.9/38

All: -48.035+/-544.939 χ^2/NDF: 69.7/73

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3553.411+/-0.669 χ^2/NDF:3108258.5/19

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

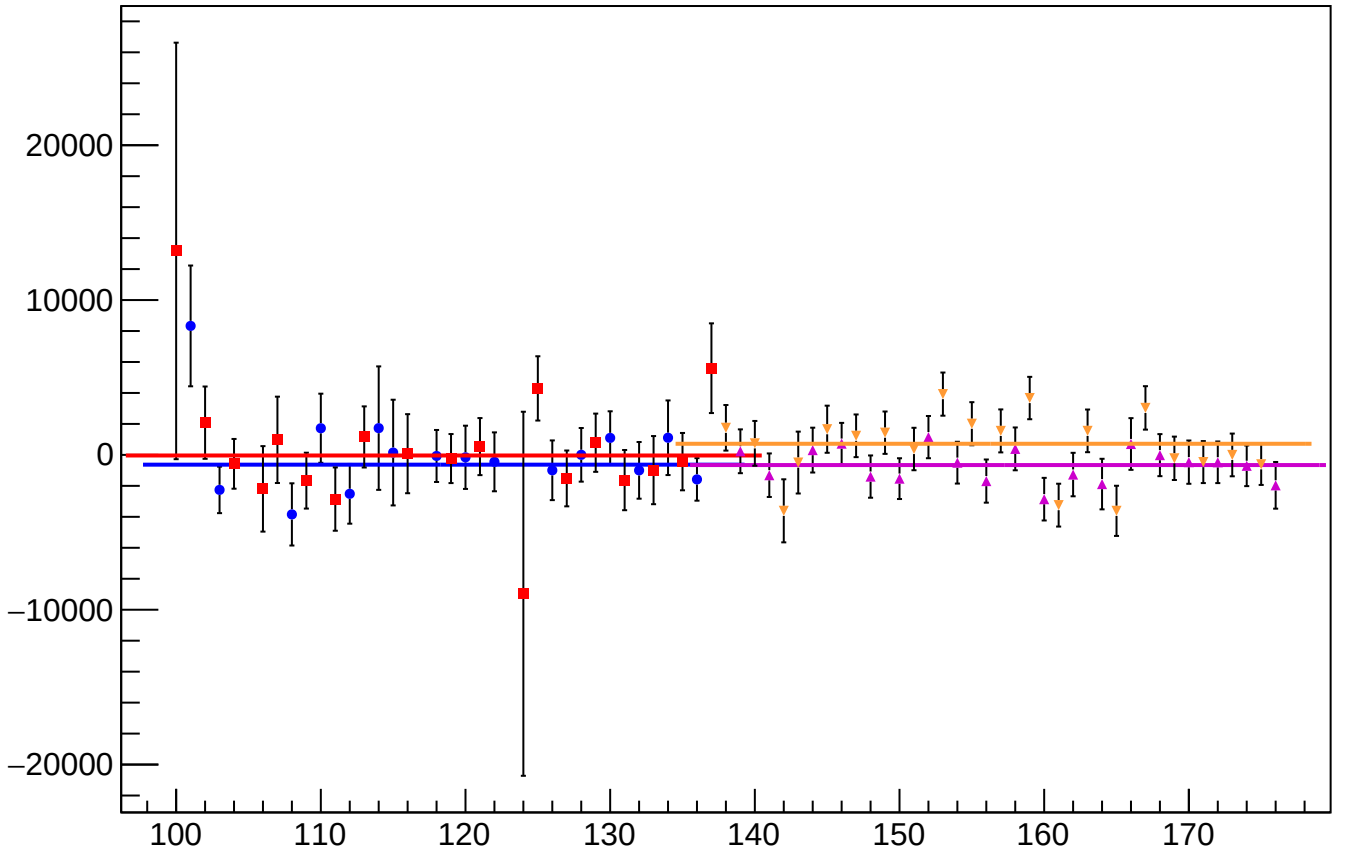
Left: 3807.432+/-0.501 χ^2/NDF: 4543211.7/38

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3256.733+/-0.509 χ^2/NDF:5075051.5/38

All: 3525.869+/-0.385 χ^2/NDF: 7456987.7/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

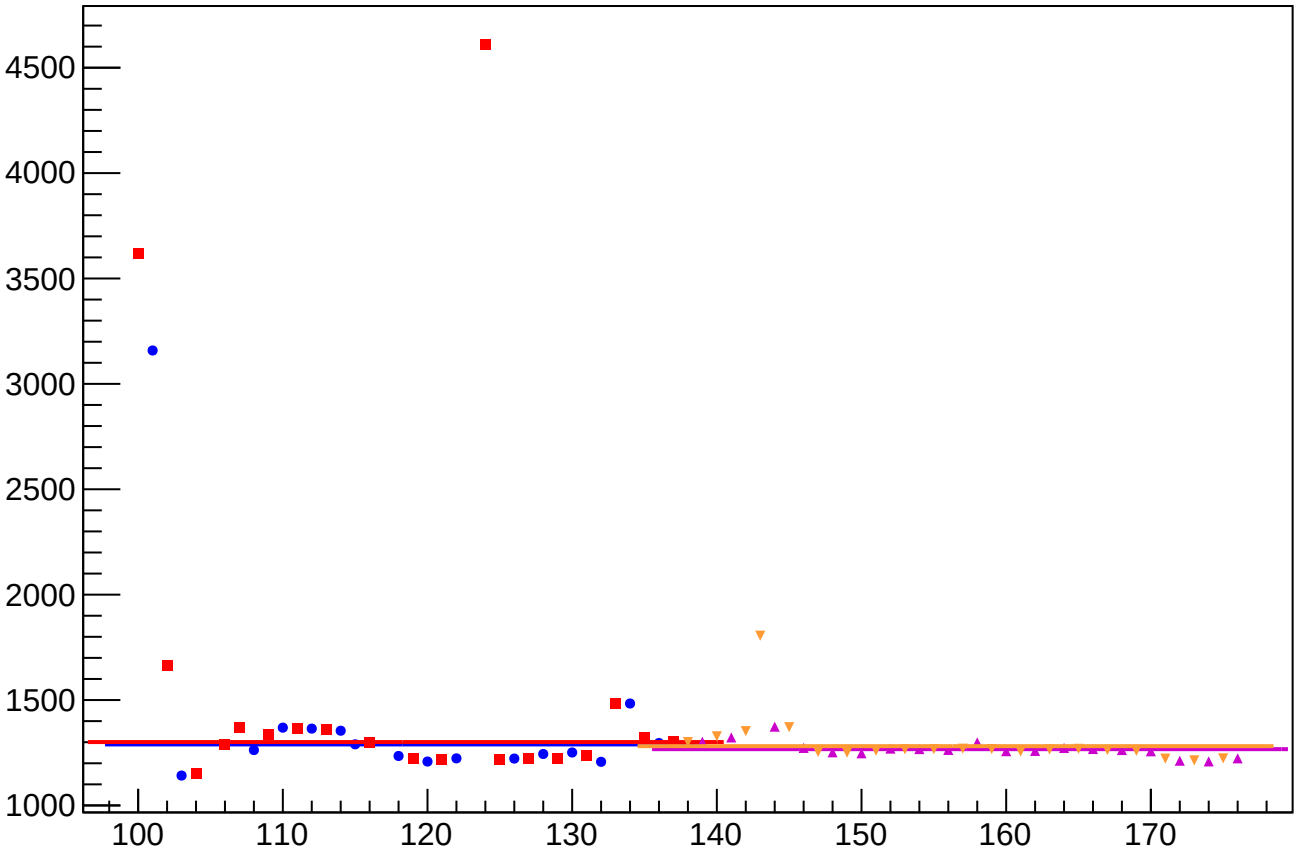
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

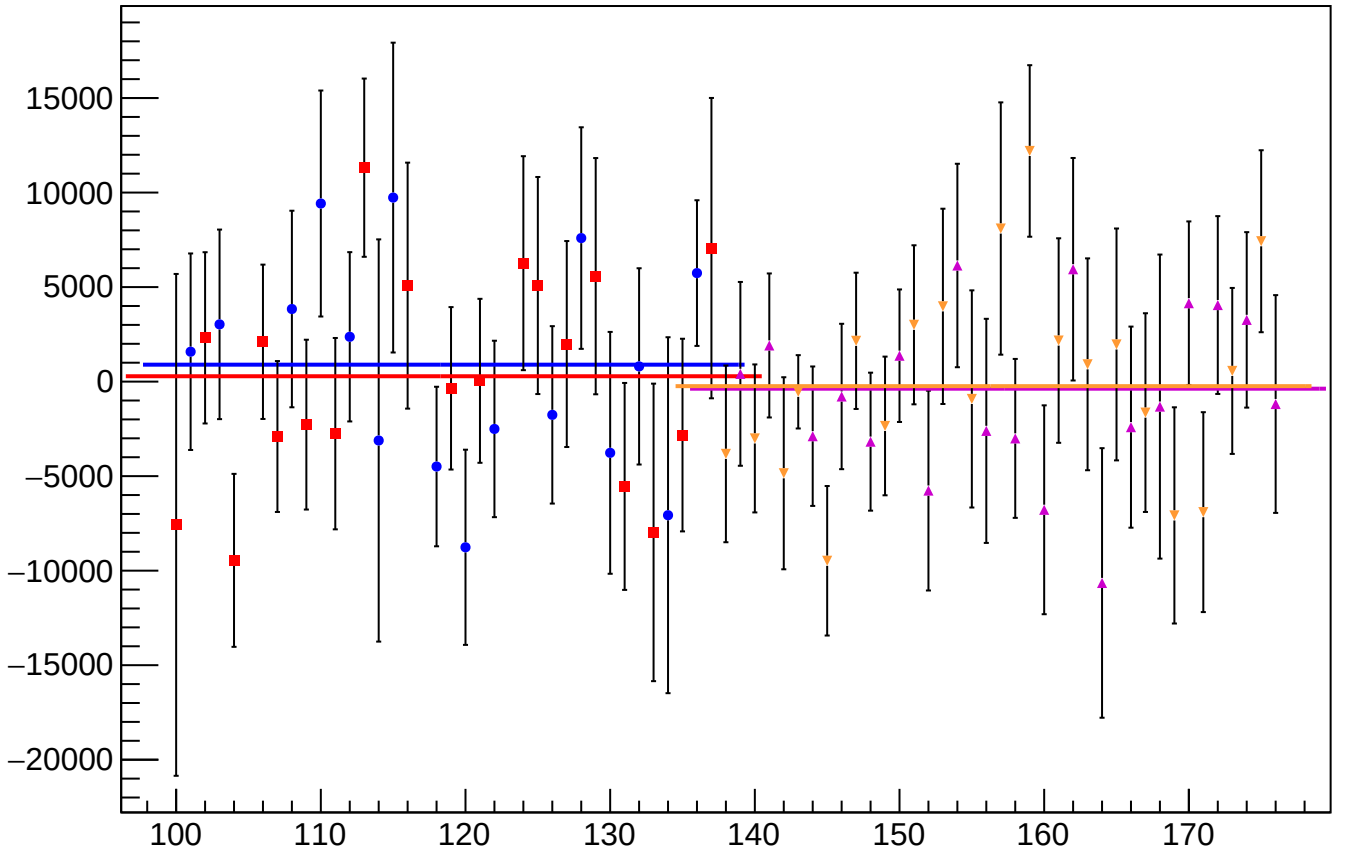
Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

Left: -299.069+/-709.226 χ^2/NDF: 36.6/38

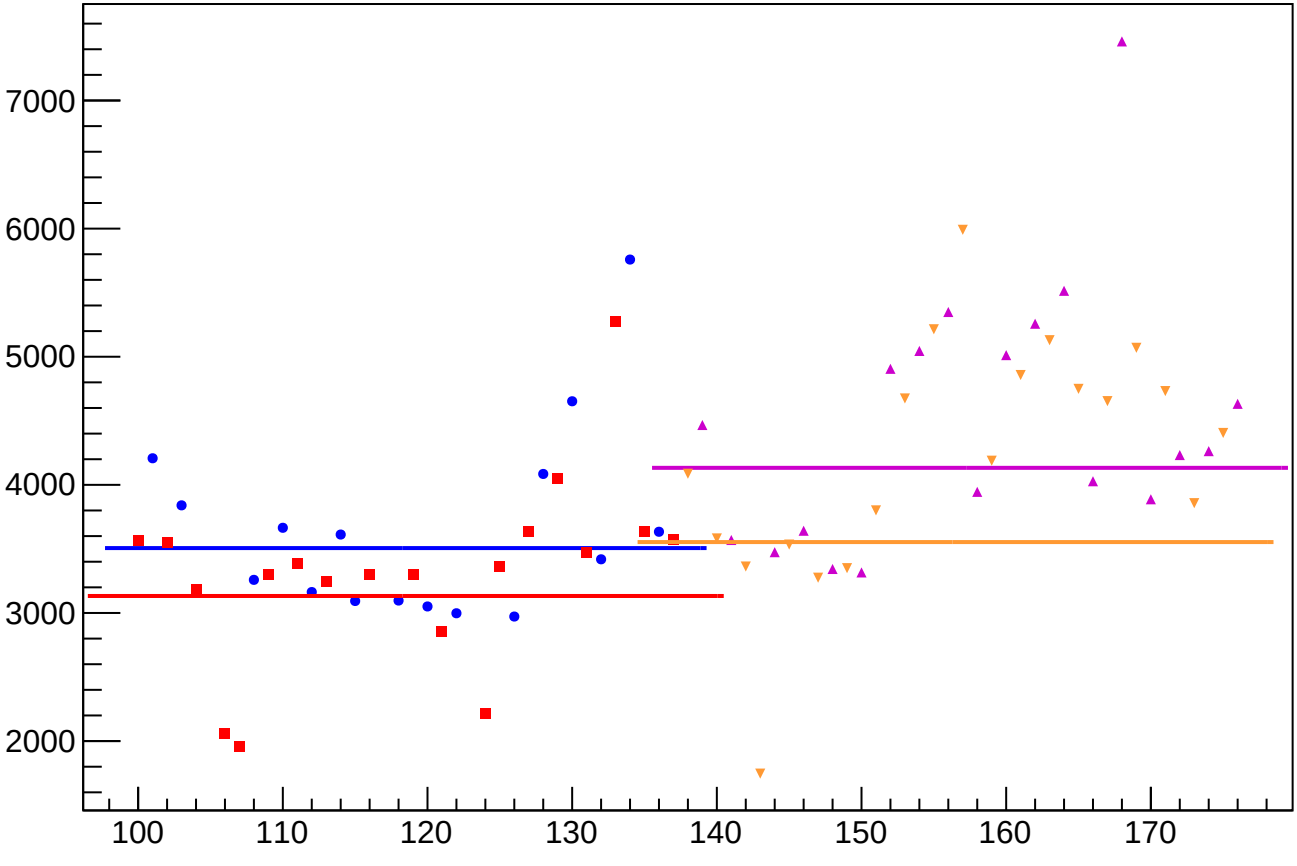
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 36.301+/-552.819 χ^2/NDF: 70.0/73

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

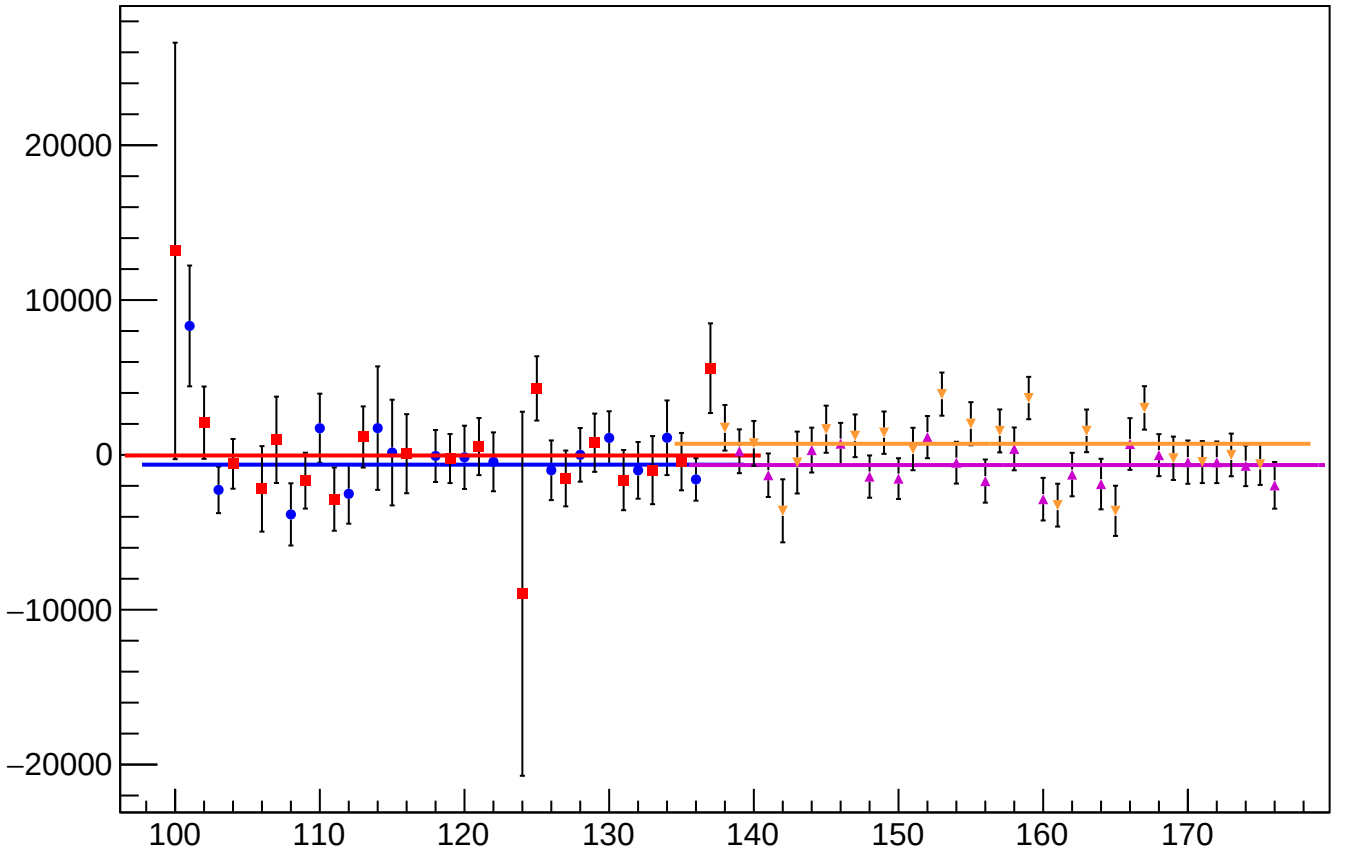
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 717.830+/-322.406 χ^2/NDF:38.3/19

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

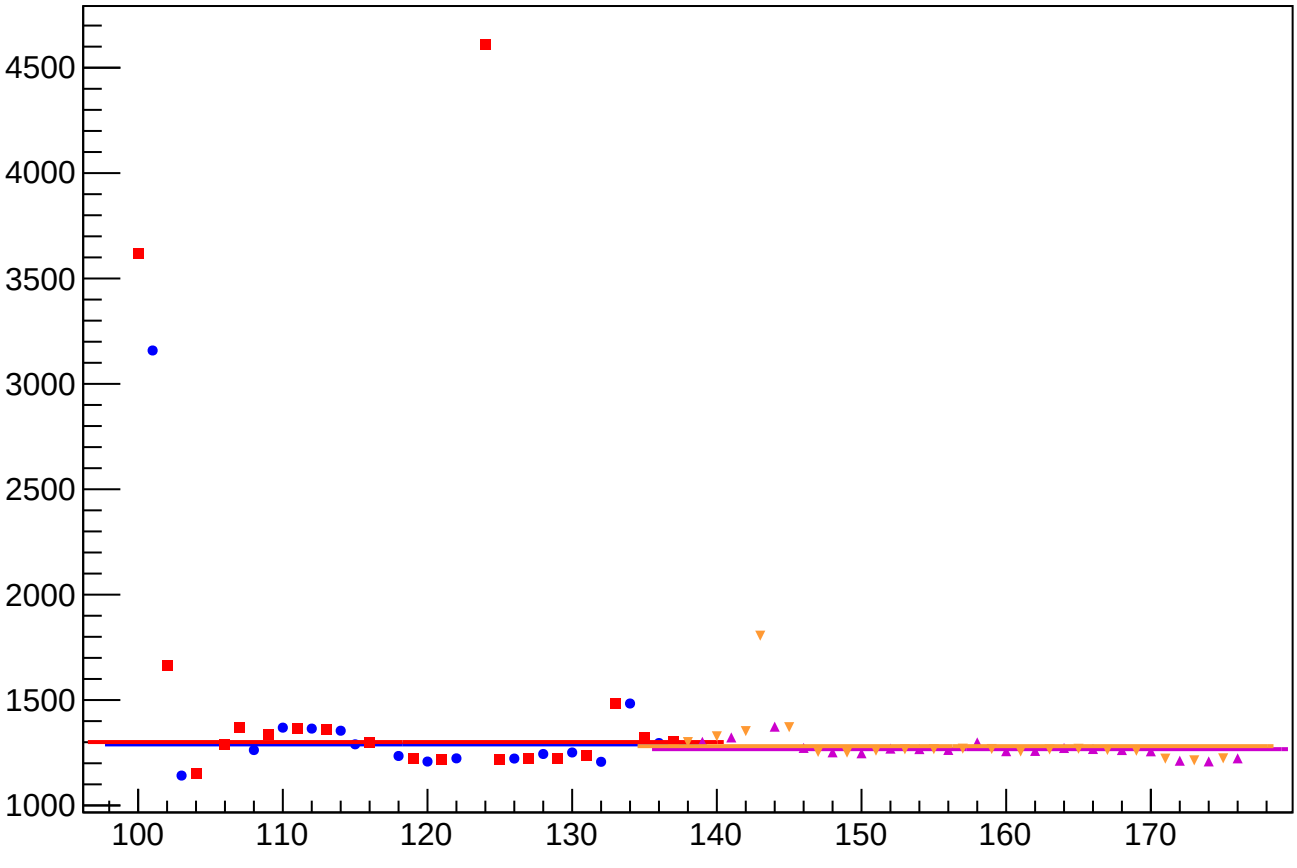
Left: 28.664+/-227.662 χ^2/NDF: 58.2/38

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 488.034+/-269.014 χ^2/NDF:56.3/38

All: -81.409+/-190.074 χ^2/NDF: 89.9/73



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1281.241+/-0.228 χ^2/NDF:166767.8/19

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

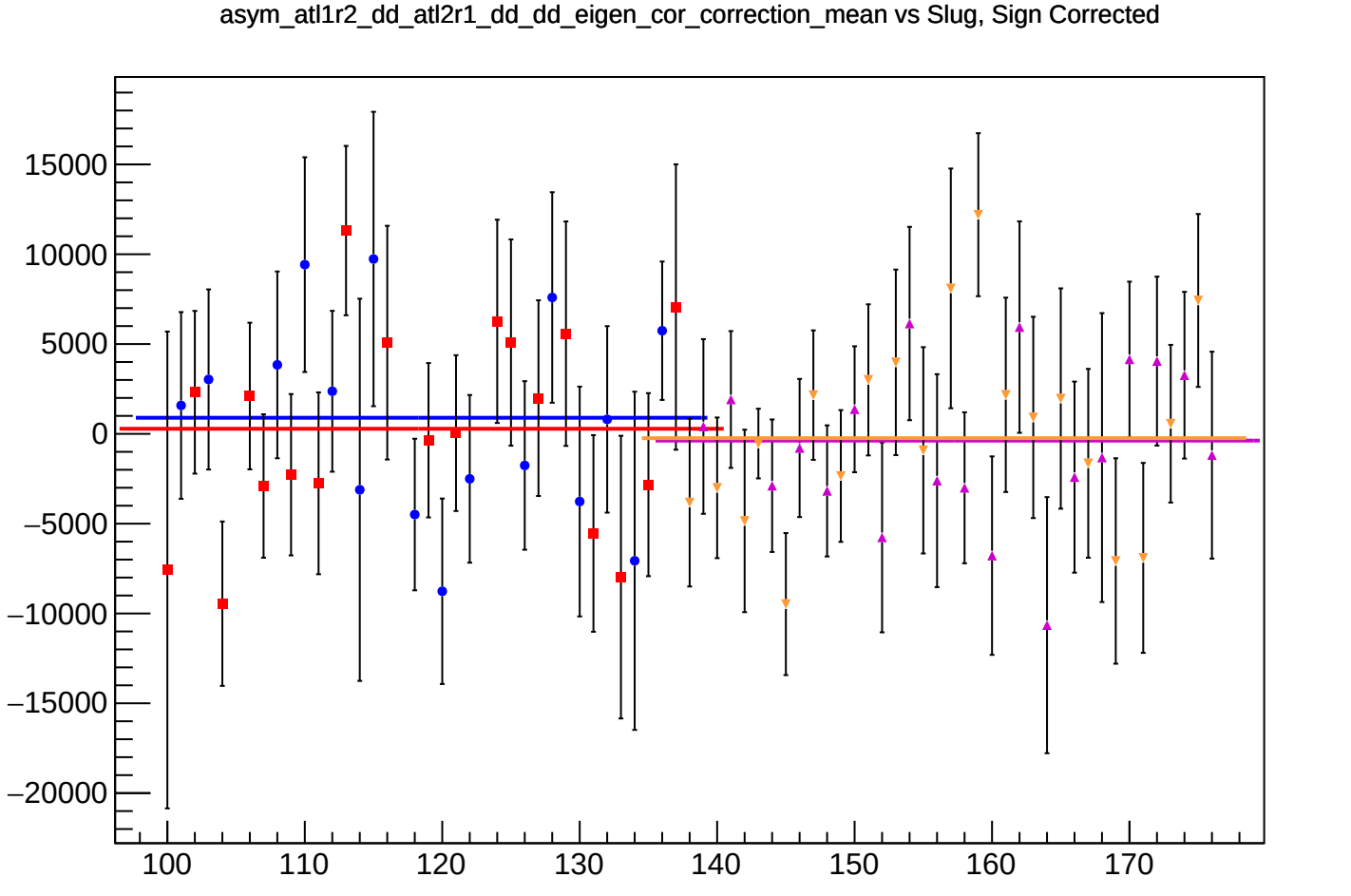
Left: 1274.093+/-0.161 χ^2/NDF: 194981.2/38

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1287.163+/-0.190 χ^2/NDF:494890.7/38

All: 1280.463+/-0.134 χ^2/NDF: 1041255.6/73



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -240.144+/-946.403 χ^2/NDF:24.5/19

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

Left: -299.069+/-709.226 χ^2/NDF: 36.6/38

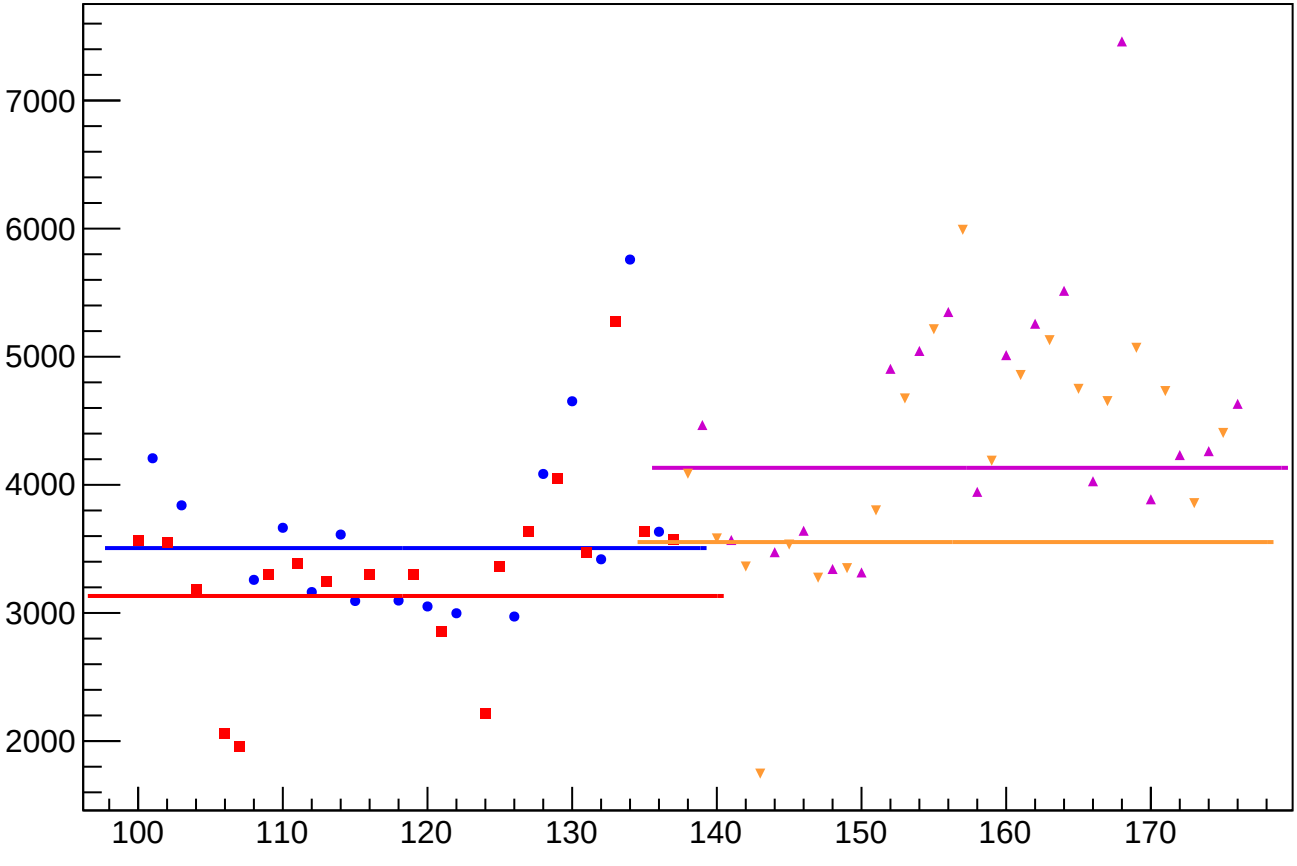
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -35.650+/-739.058 χ^2/NDF:43.3/38

All: 36.301+/-552.819 χ^2/NDF: 70.0/73

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: 3553.403+/-0.669 χ^2/NDF:3108291.5/19

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

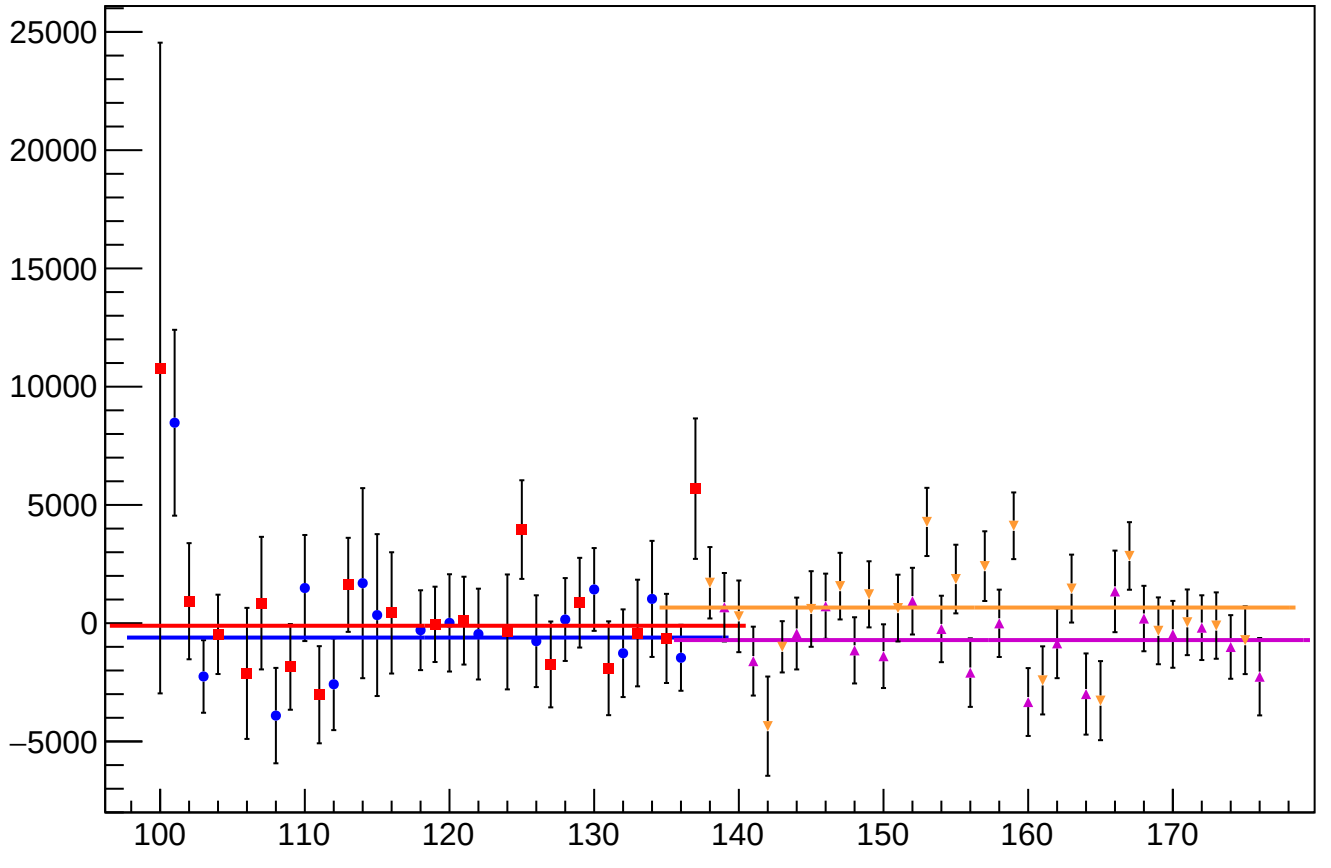
Left: 3807.425+/-0.501 χ^2/NDF: 4543250.2/38

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3389.210+/-0.523 χ^2/NDF:3912187.5/38

All: 3607.702+/-0.391 χ^2/NDF: 6038880.3/73



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.416+/-322.595 χ^2/NDF:38.3/19

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

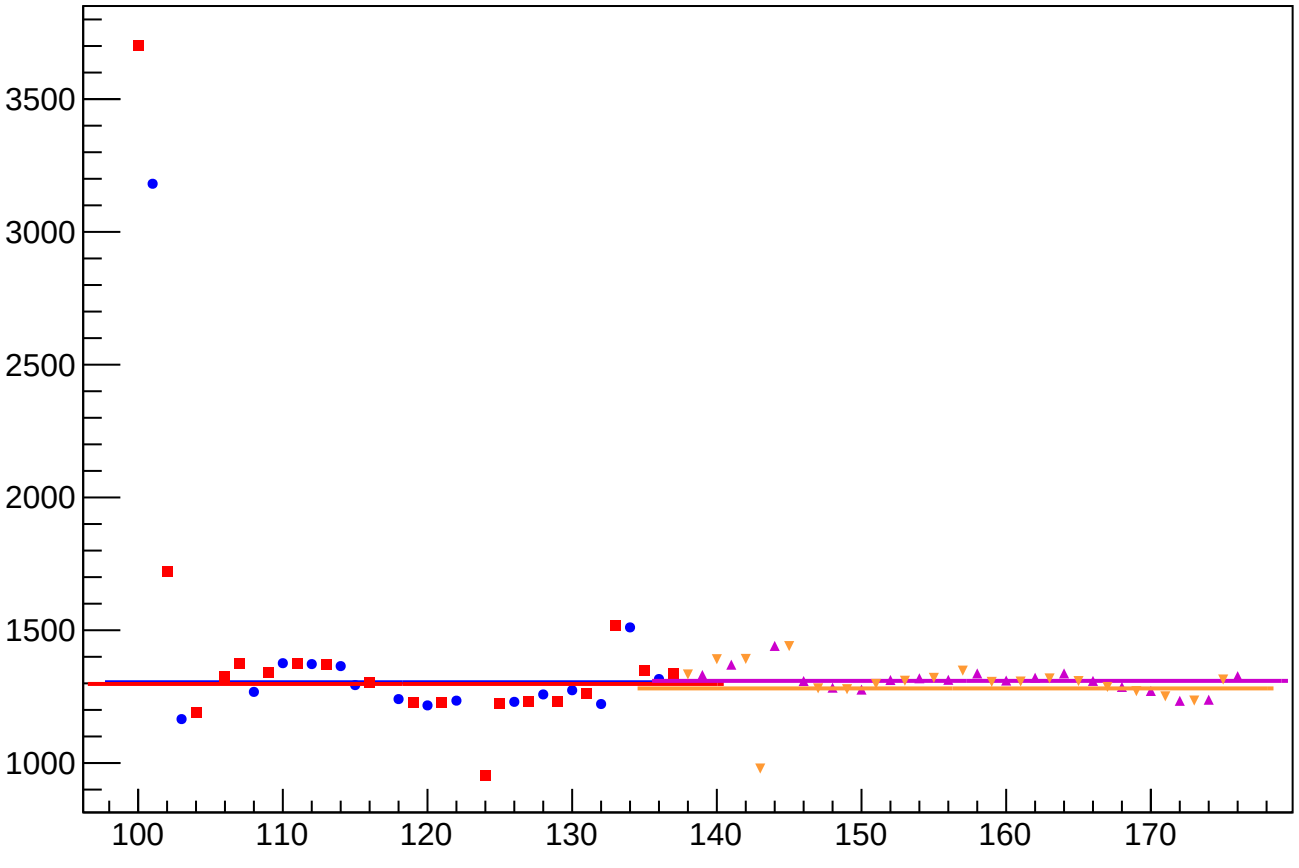
Left: -5.810+/-231.485 χ^2/NDF: 60.5/38

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.268+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207501.3/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

Left: 1294.738+/-0.164 χ^2/NDF: 251220.3/38

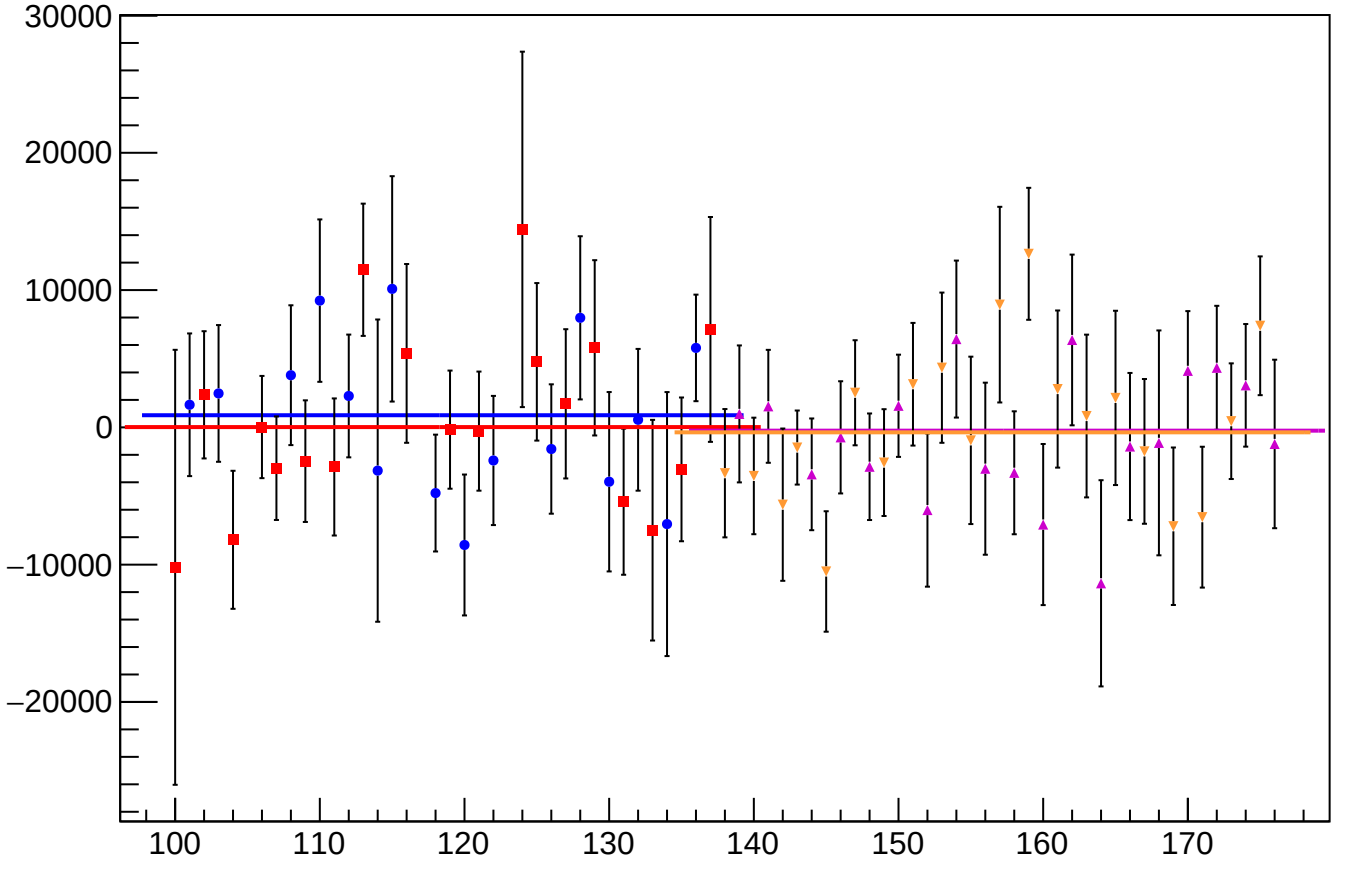
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1286.131+/-0.190 χ^2/NDF:422265.2/38

All: 1296.639+/-0.136 χ^2/NDF: 975509.0/73

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: -361.243+/-1045.588 χ^2/NDF:24.5/19

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -239.932+/-1120.053 χ^2/NDF:12.0/18

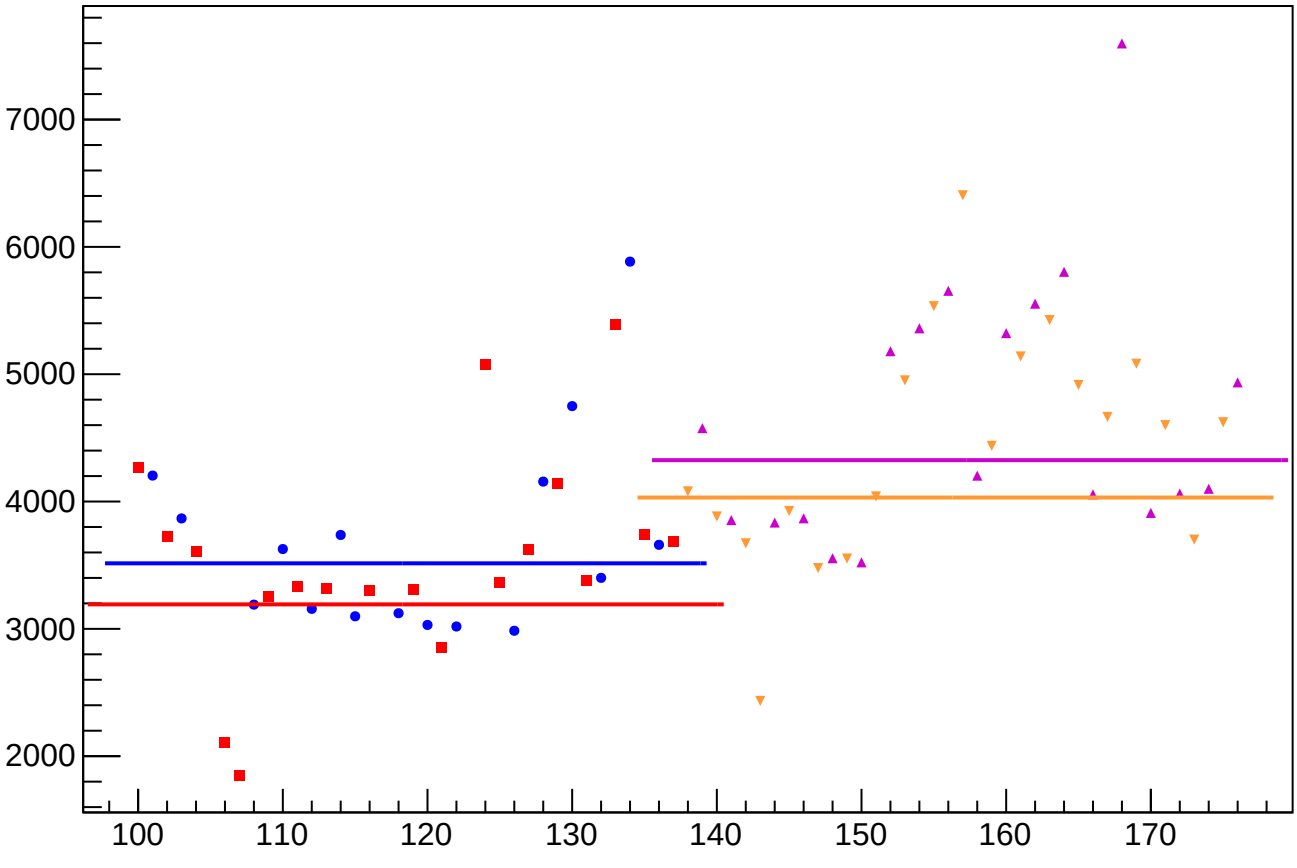
Left: -304.754+/-764.313 χ^2/NDF: 36.5/38

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 227.518+/-856.028 χ^2/NDF:26.5/34

Out: -196.422+/-788.324 χ^2/NDF:41.4/38

All: -1.877+/-579.889 χ^2/NDF: 68.0/73



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4031.441+/-0.739 χ^2/NDF:1584886.0/19

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

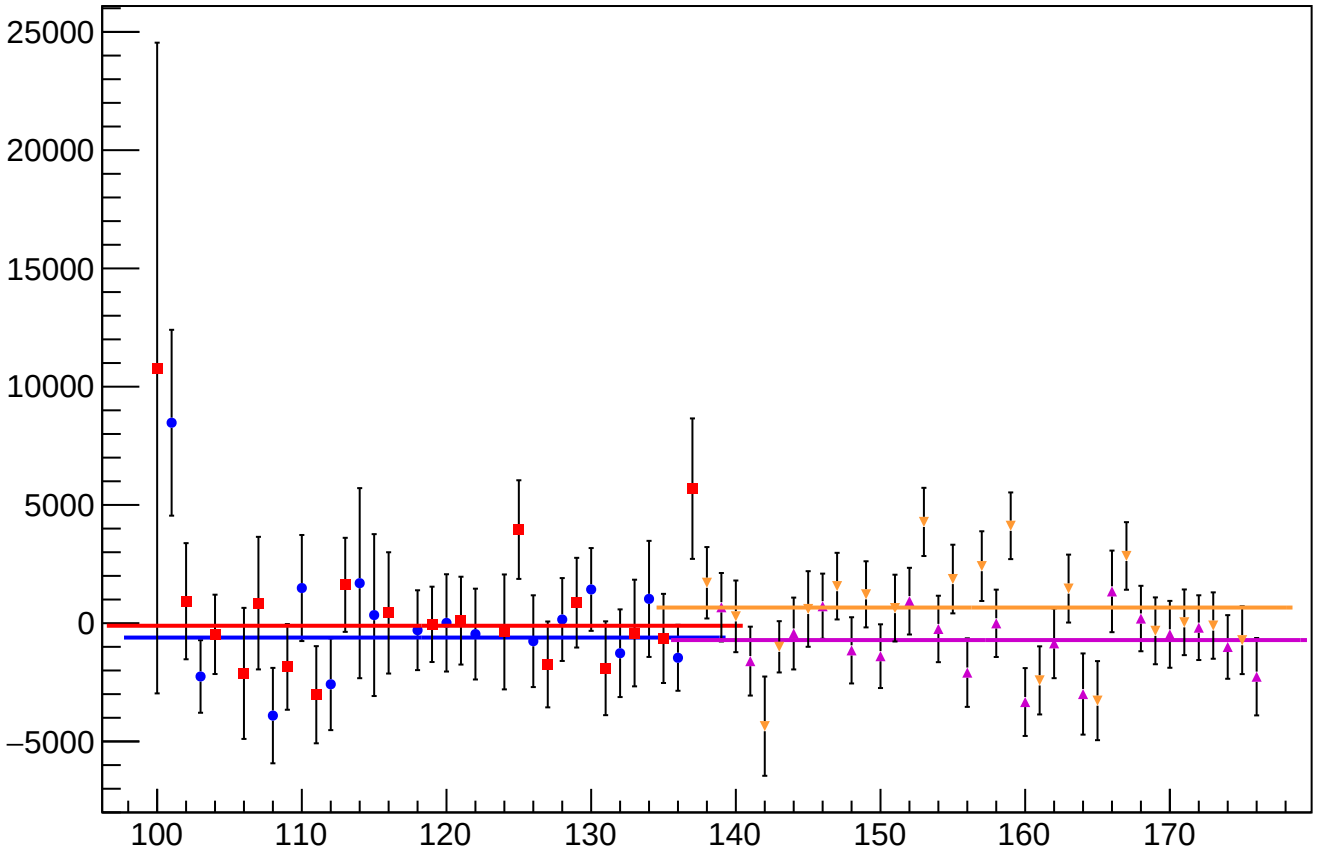
Left: 4168.098+/-0.540 χ^2/NDF: 2707239.2/38

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3987.977+/-0.605 χ^2/NDF:1859250.4/34

Out: 3669.264+/-0.557 χ^2/NDF:2913433.9/38

All: 3815.520+/-0.410 χ^2/NDF: 4922699.1/73



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 661.419+/-322.596 χ^2/NDF:38.3/19

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

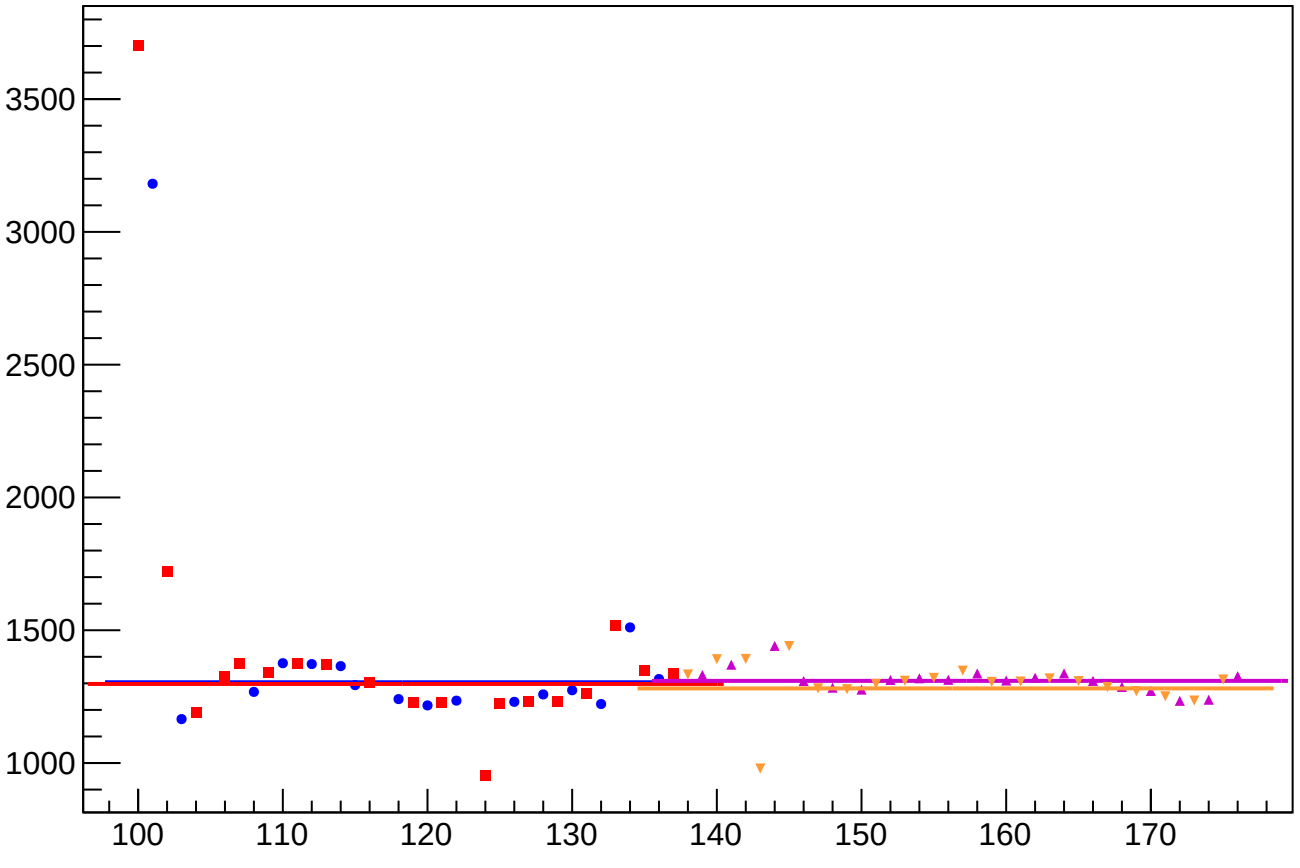
Left: -5.809+/-231.486 χ^2/NDF: 60.5/38

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 425.605+/-268.698 χ^2/NDF:54.9/38

All: -113.269+/-192.457 χ^2/NDF: 90.7/73



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.975+/-0.228 χ^2/NDF:207502.5/19

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

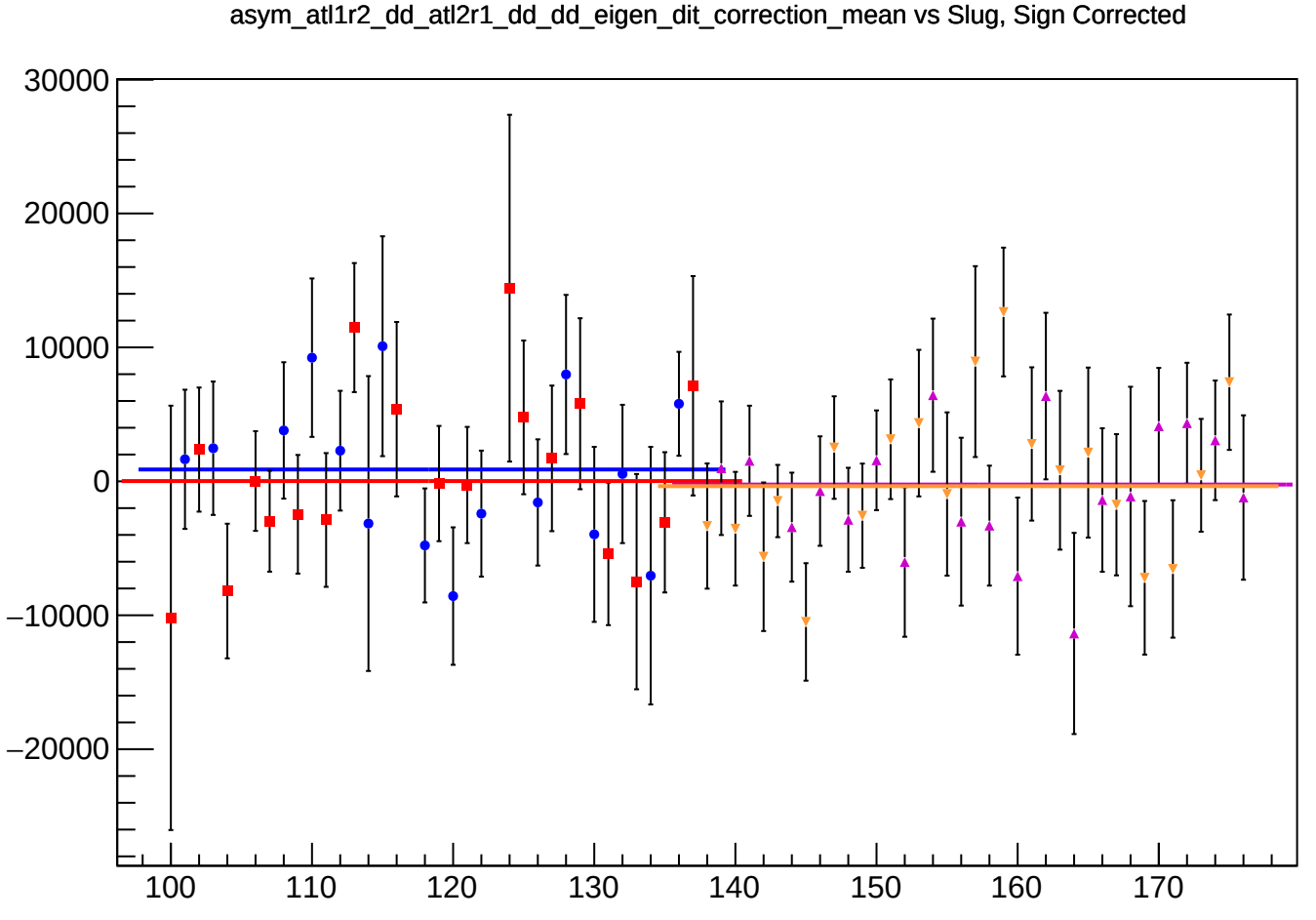
Left: 1294.739+/-0.164 χ^2/NDF: 251222.7/38

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1286.132+/-0.190 χ^2/NDF:422266.4/38

All: 1296.639+/-0.136 χ^2/NDF: 975511.6/73



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -361.241+/-1045.589 χ^2/NDF:24.5/19

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -239.931+/-1120.055 χ^2/NDF:12.0/18

Left: -304.752+/-764.314 χ^2/NDF: 36.5/38

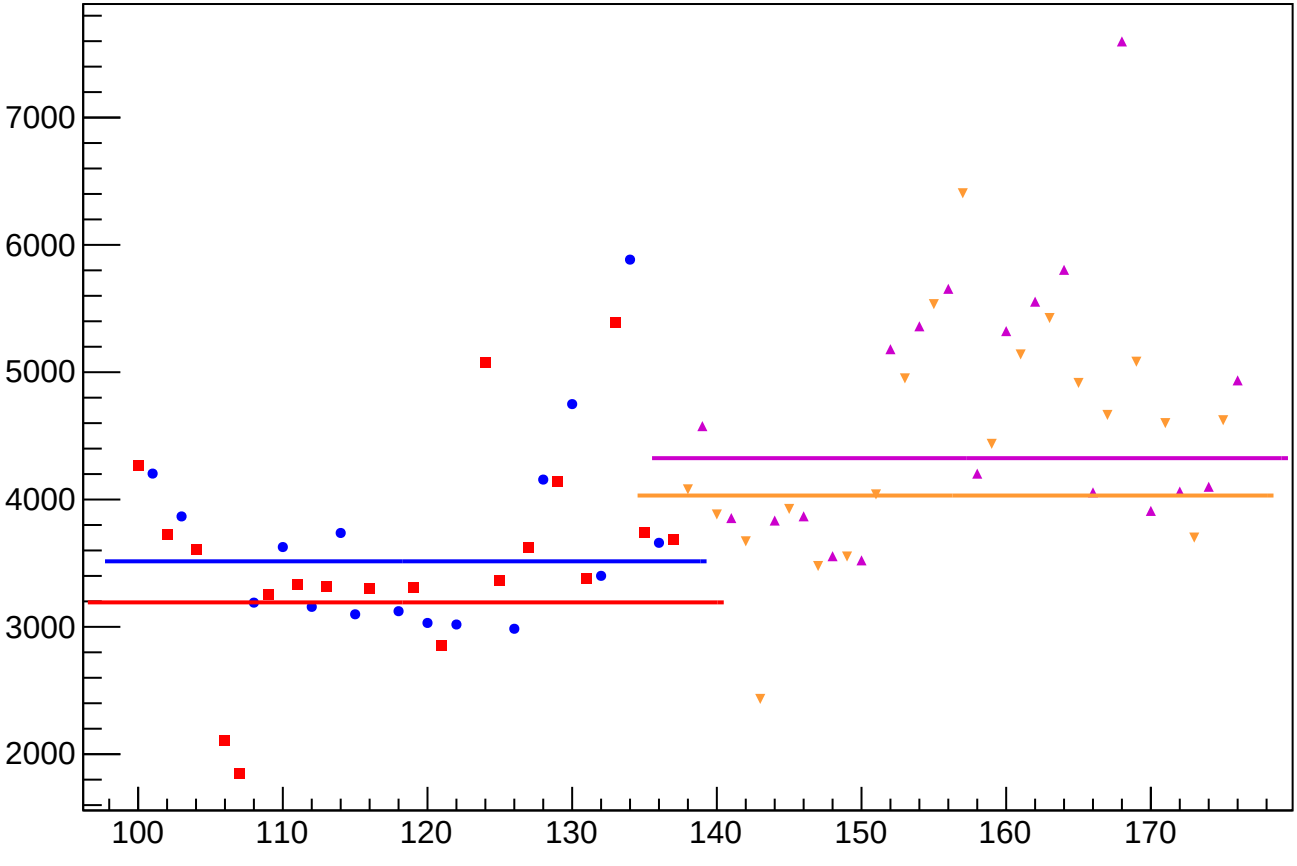
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 227.516+/-856.028 χ^2/NDF:26.5/34

Out: -196.421+/-788.324 χ^2/NDF:41.4/38

All: -1.878+/-579.889 χ^2/NDF: 68.0/73

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4031.448+/-0.739 χ^2/NDF:1584887.1/19

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

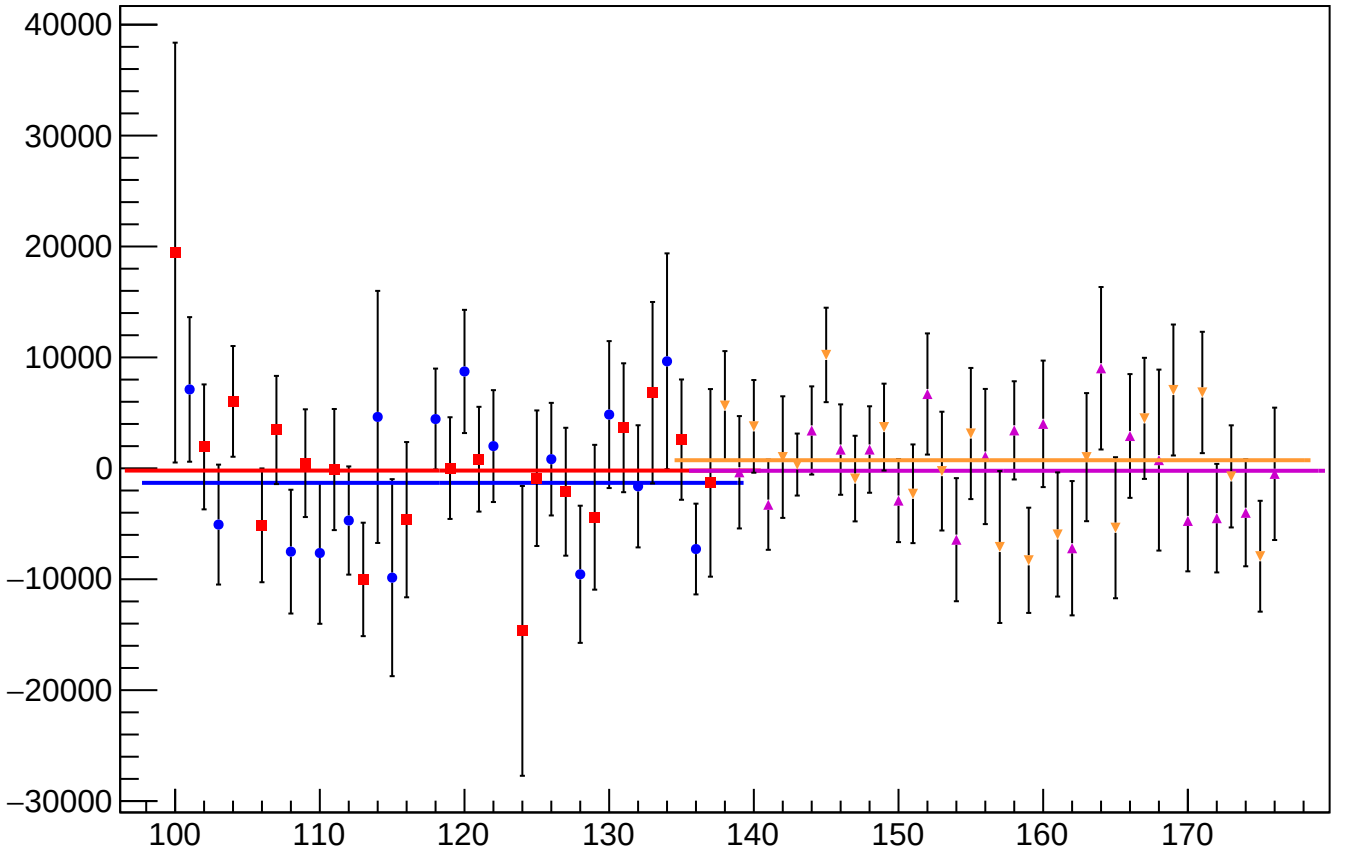
Left: 4168.105+/-0.540 χ^2/NDF: 2707242.3/38

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3669.263+/-0.557 χ^2/NDF:2913456.8/38

All: 3815.519+/-0.410 χ^2/NDF: 4922745.6/73



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 730.737+/-1056.069 χ^2/NDF:21.2/19

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

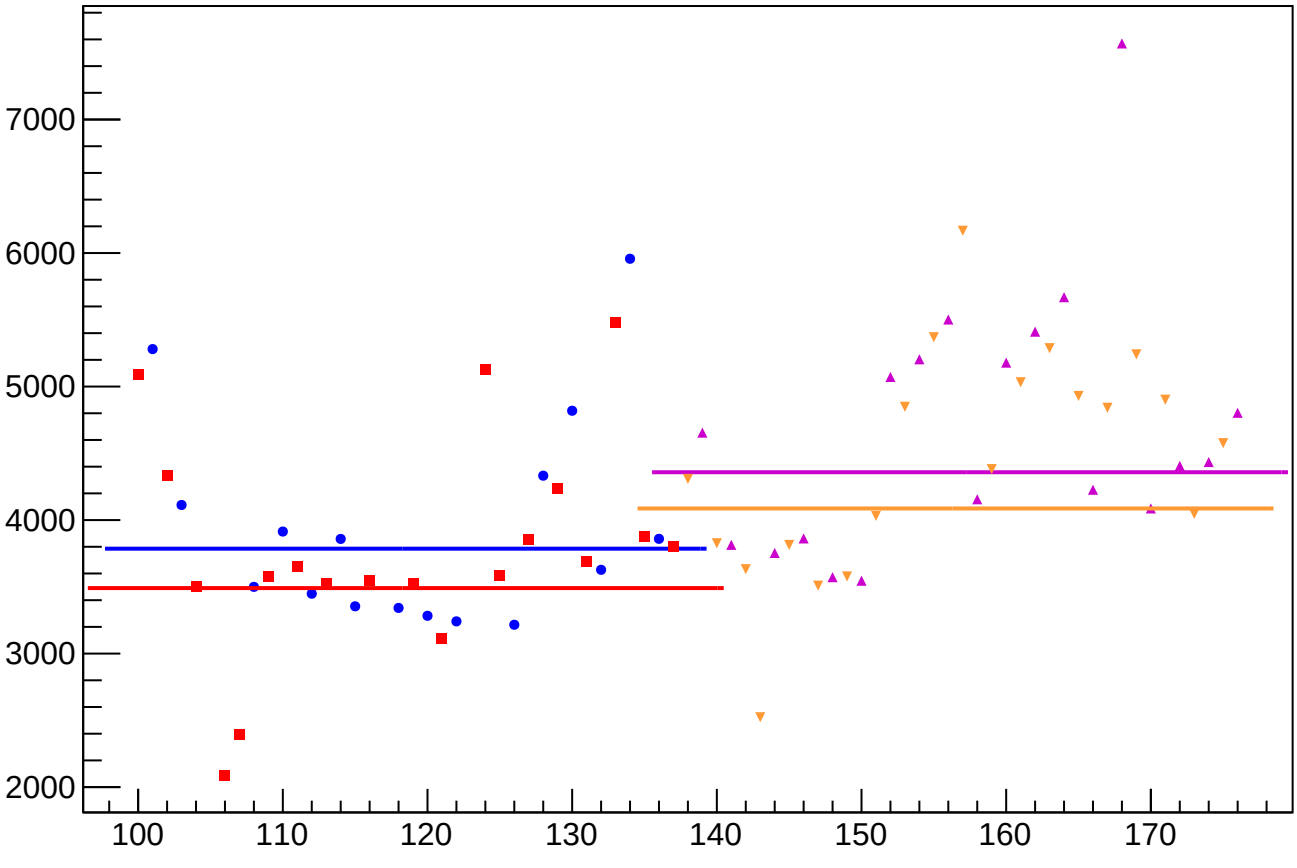
Left: 285.579+/-770.274 χ^2/NDF: 33.7/38

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 372.224+/-828.503 χ^2/NDF:33.1/38

All: -98.941+/-604.835 χ^2/NDF: 63.9/73



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4086.971+/-0.747 χ^2/NDF:1422530.3/19

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

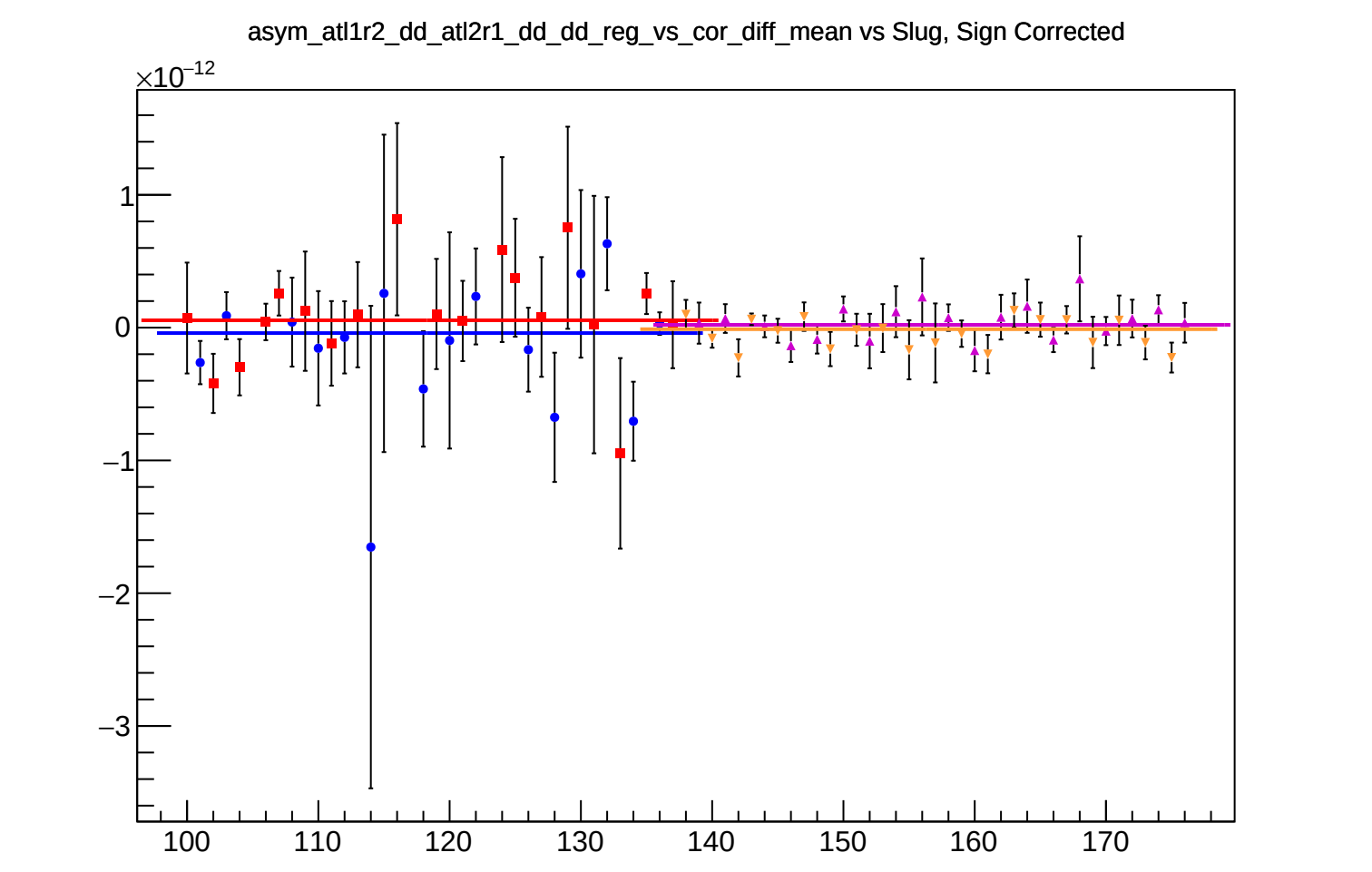
Left: 4213.955+/-0.545 χ^2/NDF: 2429343.2/38

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

Out: 3853.764+/-0.583 χ^2/NDF:2258643.6/38

All: 3986.460+/-0.426 χ^2/NDF: 3895943.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/18

Left: 0.000+/-0.000 χ^2/NDF: 31.3/38

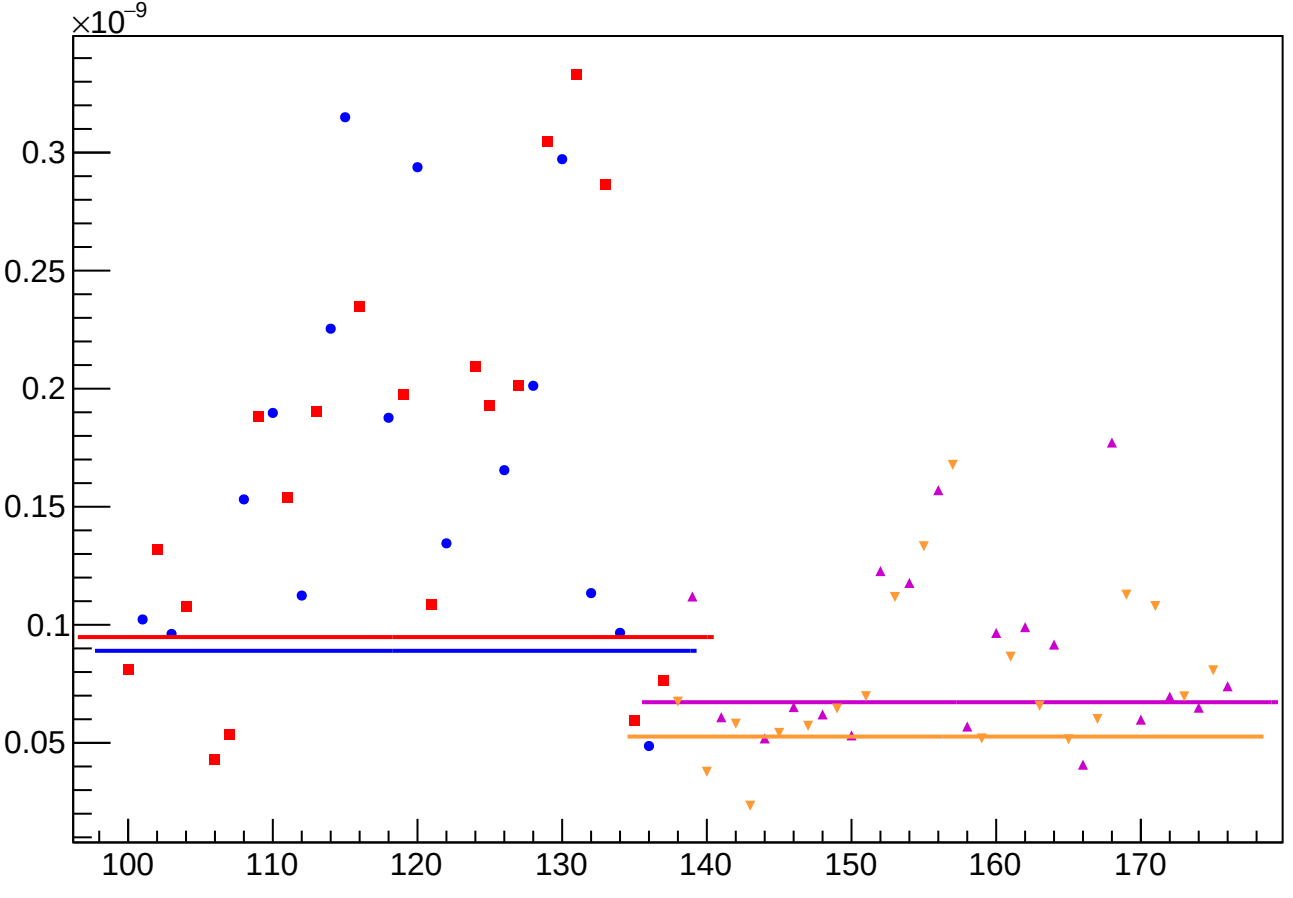
Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/34

Out: -0.000+/-0.000 χ^2/NDF:35.2/38

All: 0.000+/-0.000 χ^2/NDF: 65.0/73

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2521984.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

Left: 0.000+/-0.000 χ^2/NDF: 4207898.5/38

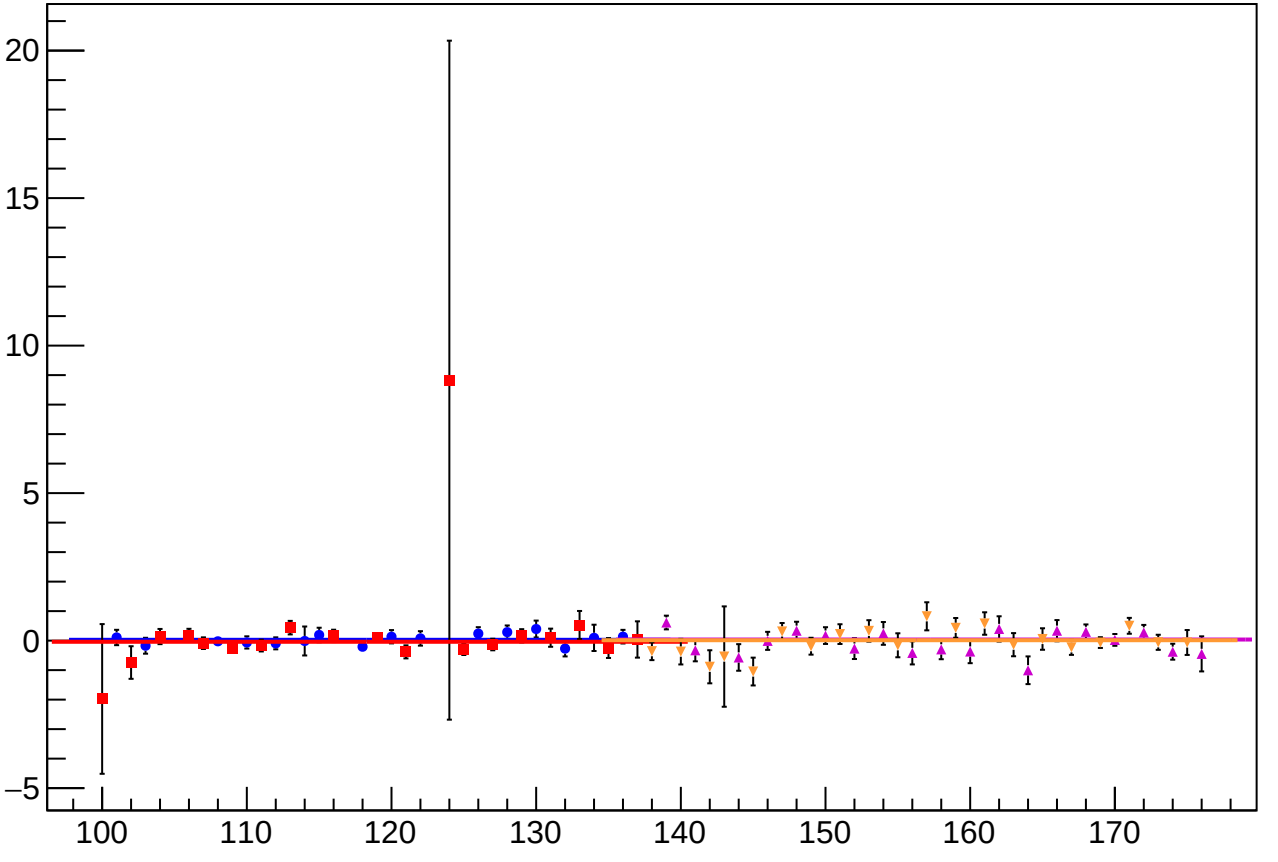
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3060442.4/34

Out: 0.000+/-0.000 χ^2/NDF:5021382.3/38

All: 0.000+/-0.000 χ^2/NDF: 8408038.5/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

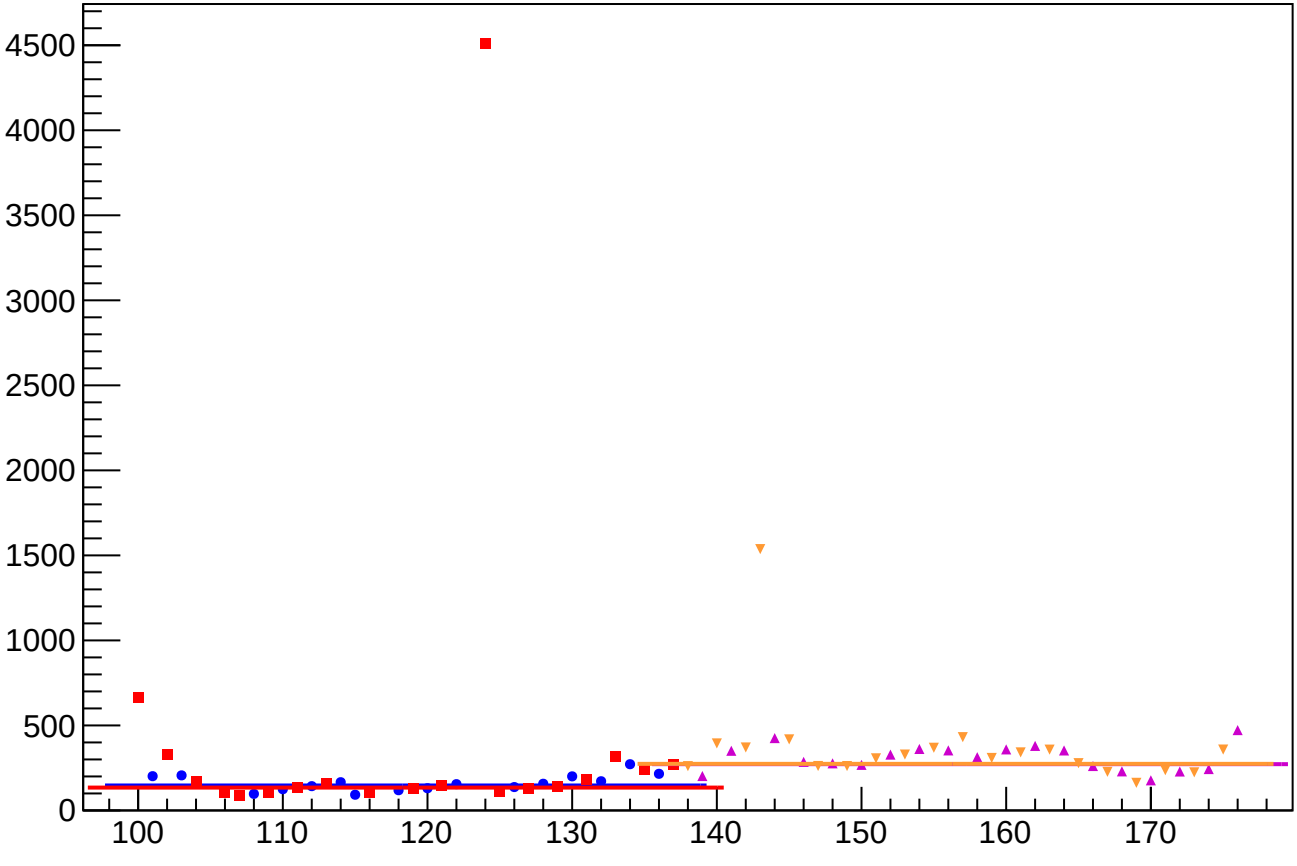
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

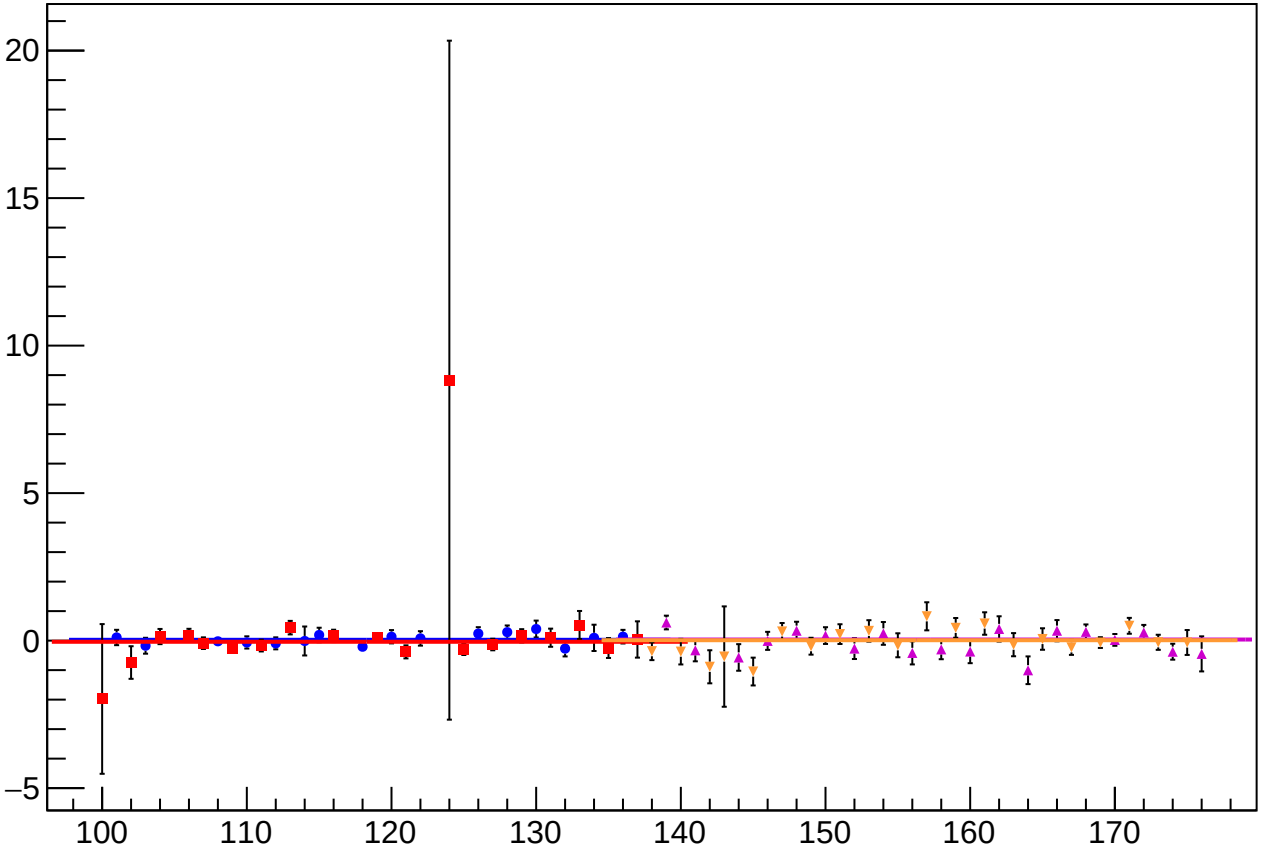
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

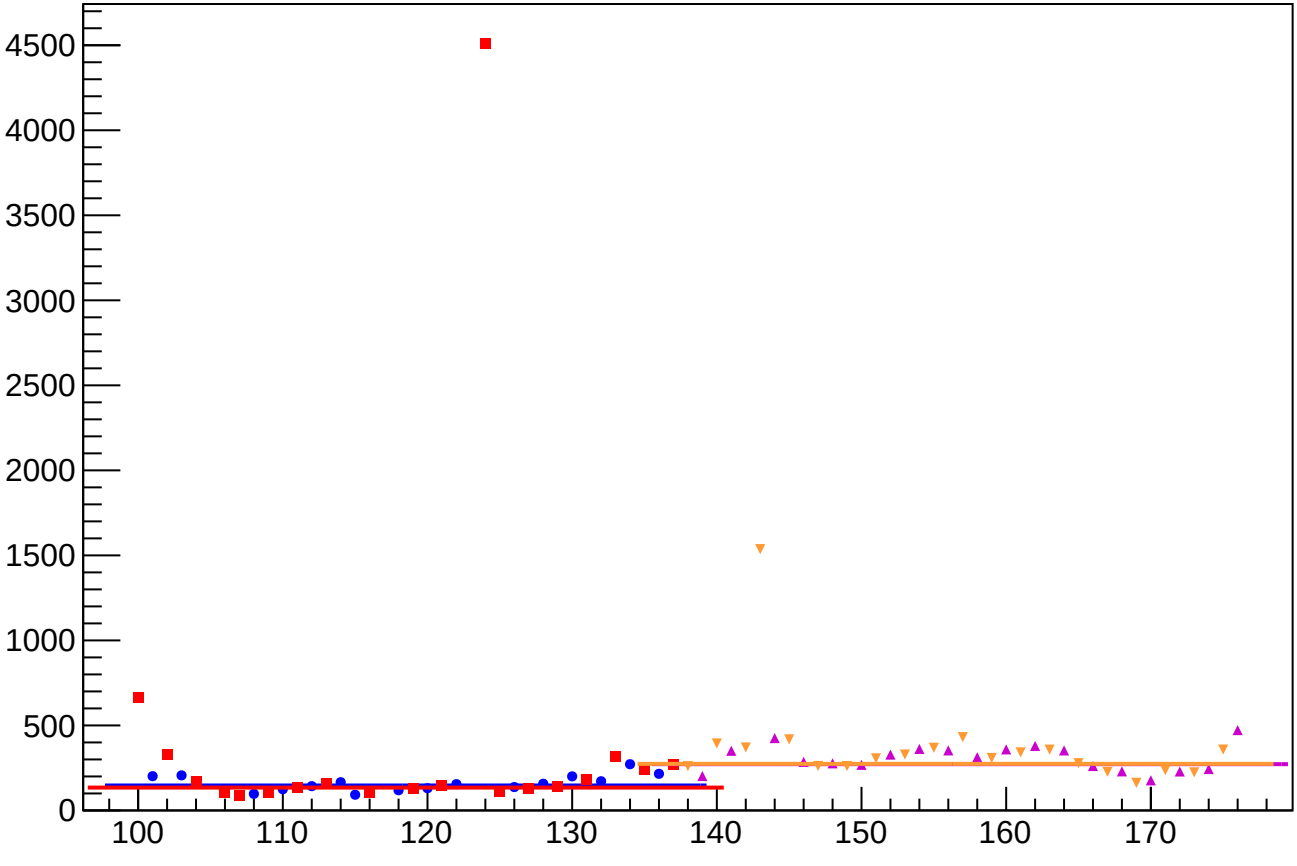
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092245.2/19

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 273.129+/-0.036 χ^2/NDF: 4970392.9/38

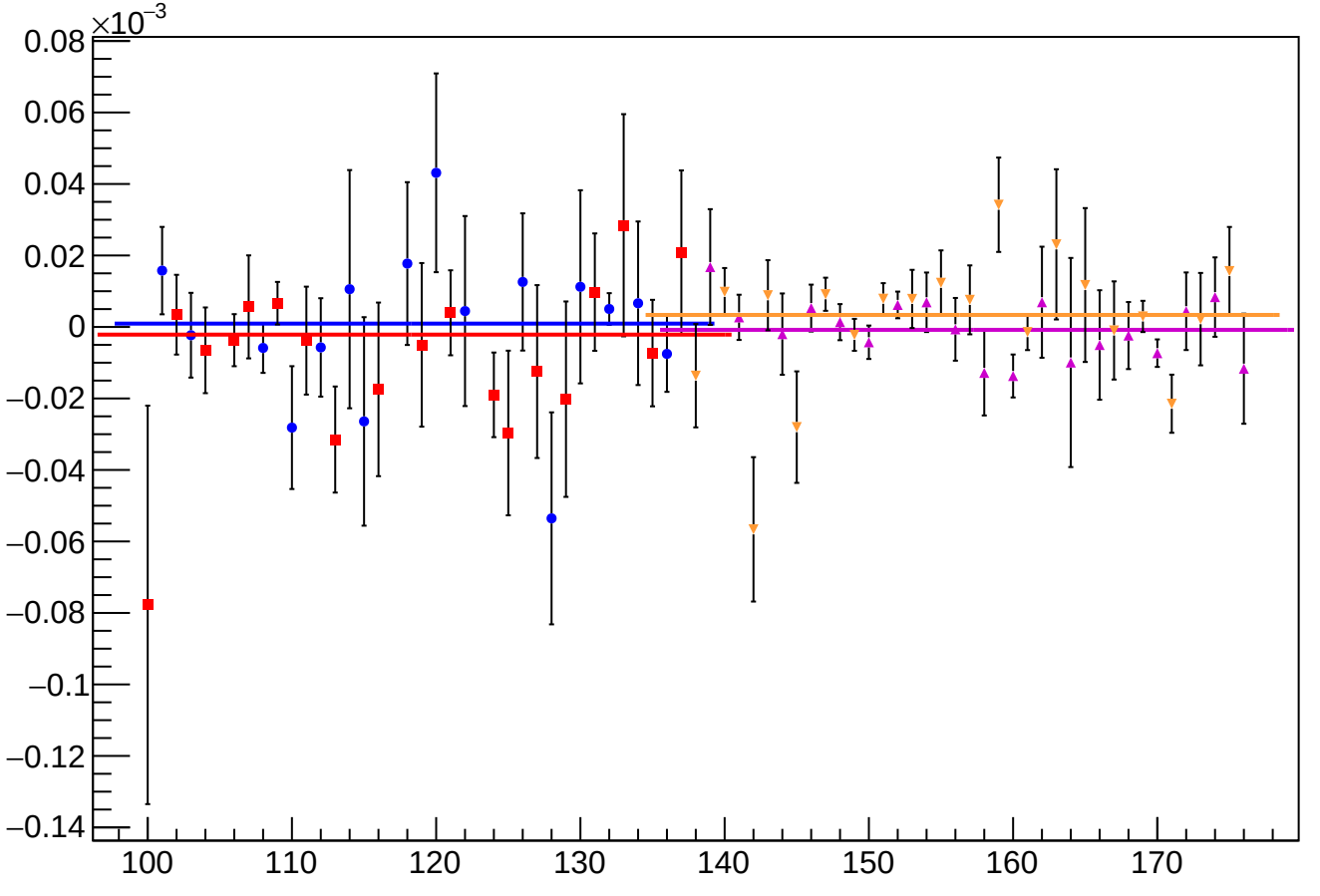
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 184.416+/-0.031 χ^2/NDF:9340469.1/38

All: 189.900+/-0.022 χ^2/NDF: 15961170.6/73

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:39.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

Left: 0.000+/-0.000 χ^2/NDF: 60.1/38

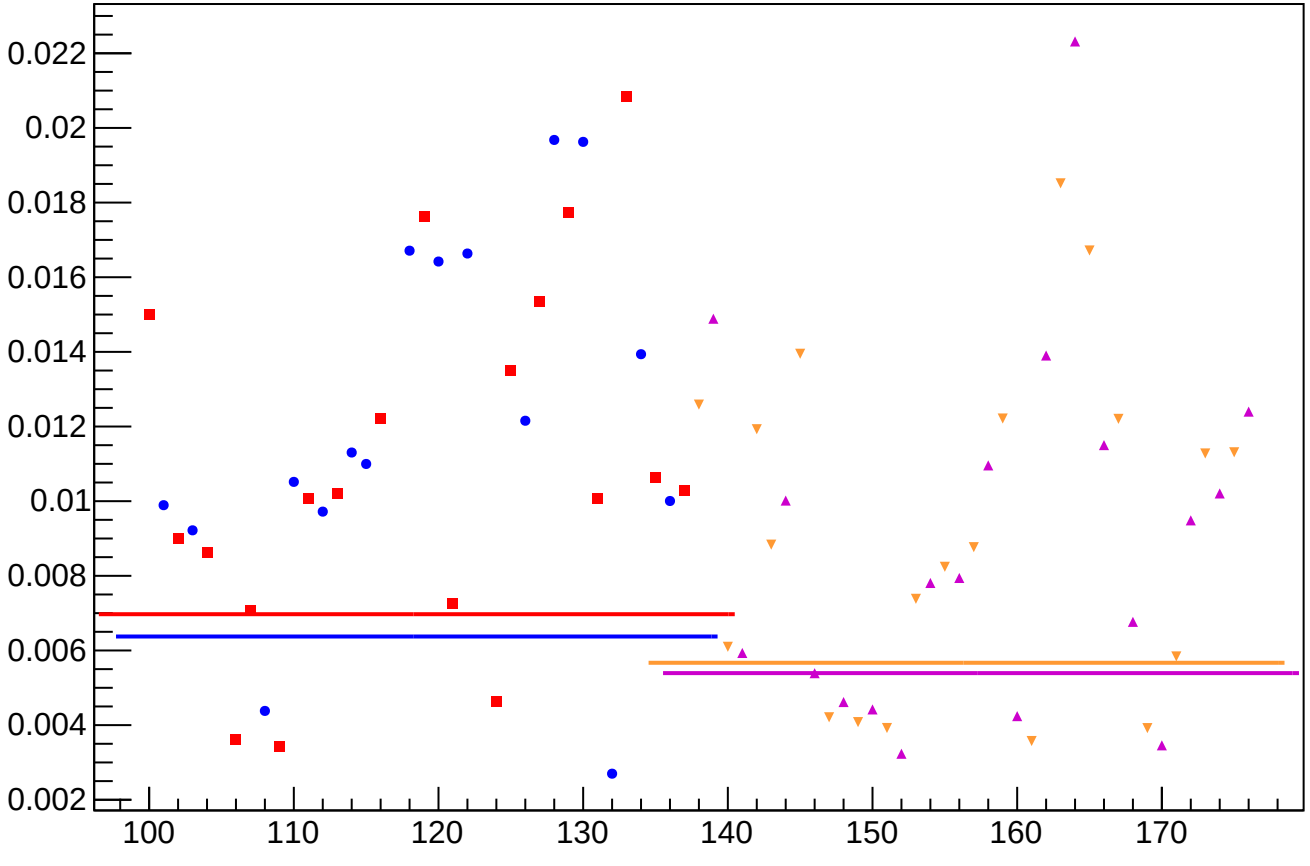
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:57.6/38

All: 0.000+/-0.000 χ^2/NDF: 92.1/73

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6338818.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12260522.1/38

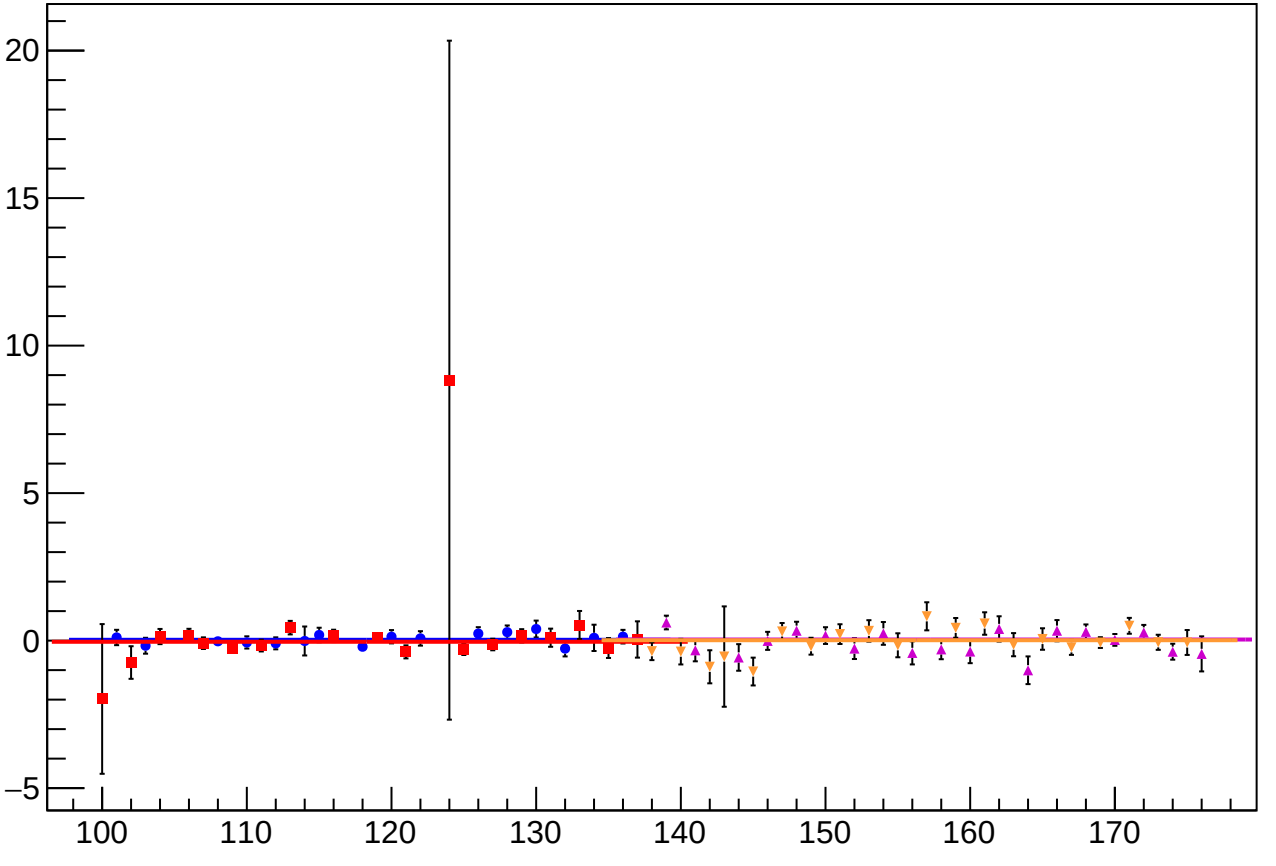
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10035464.8/38

All: 0.006+/-0.000 χ^2/NDF: 20800993.9/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

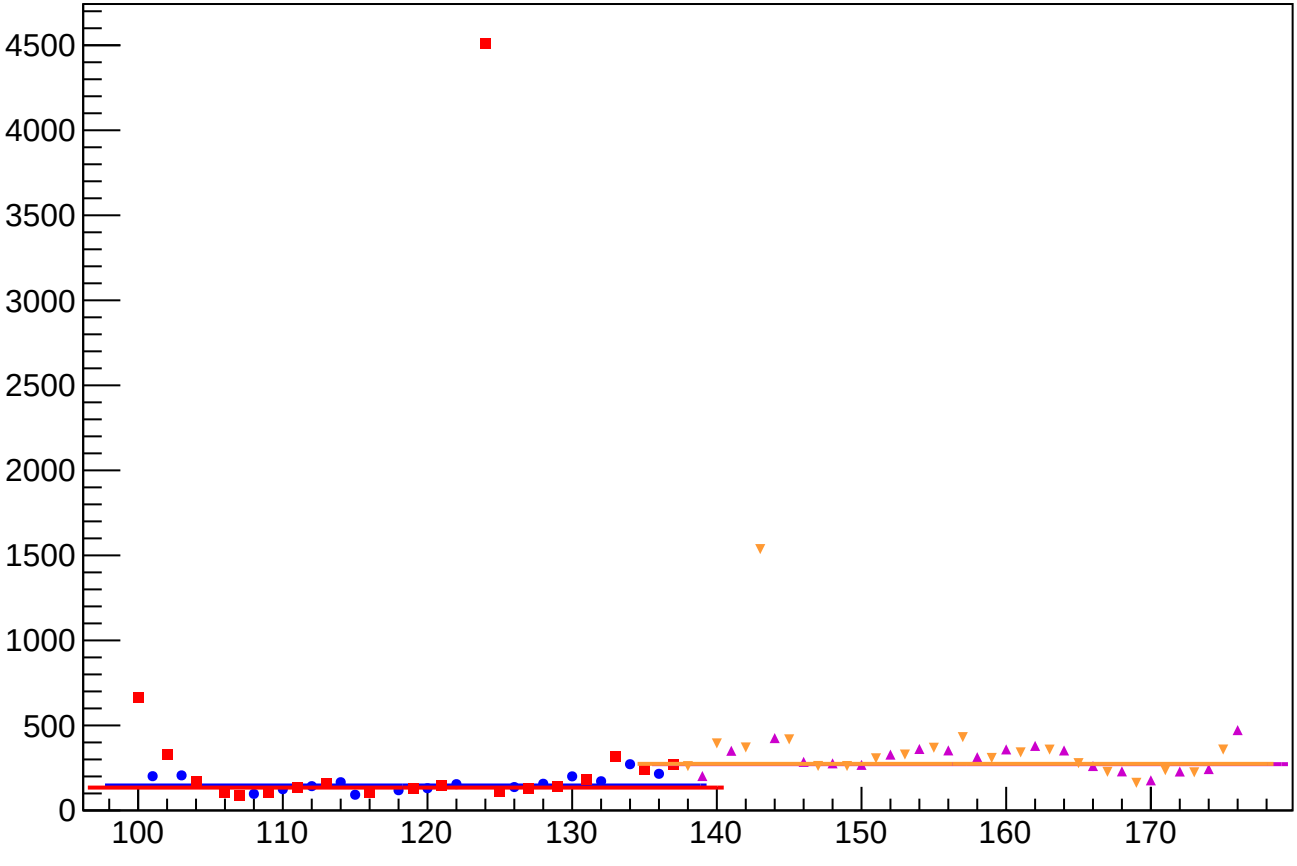
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

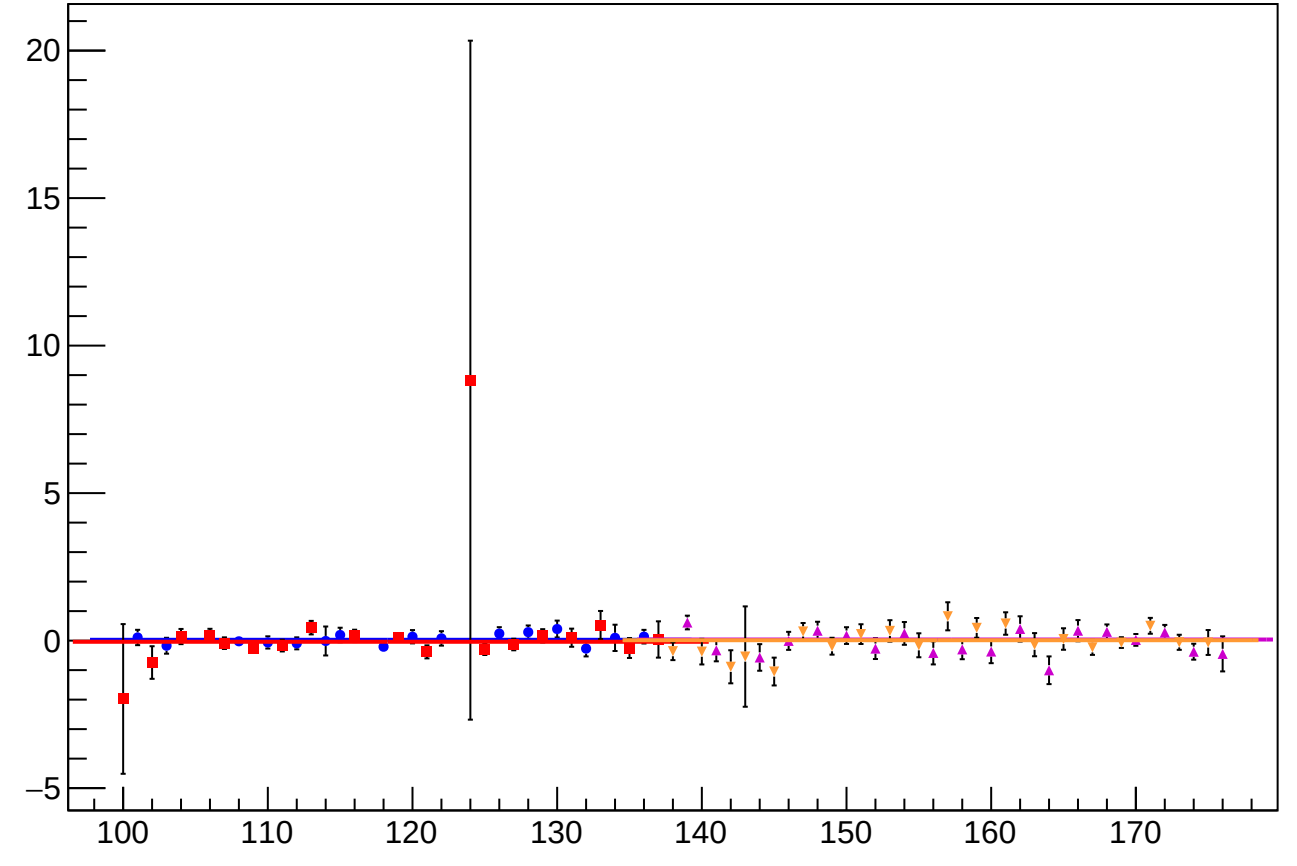
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

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: 0.014+/-0.073 χ^2/NDF:24.3/19

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.026+/-0.051 χ^2/NDF: 50.2/38

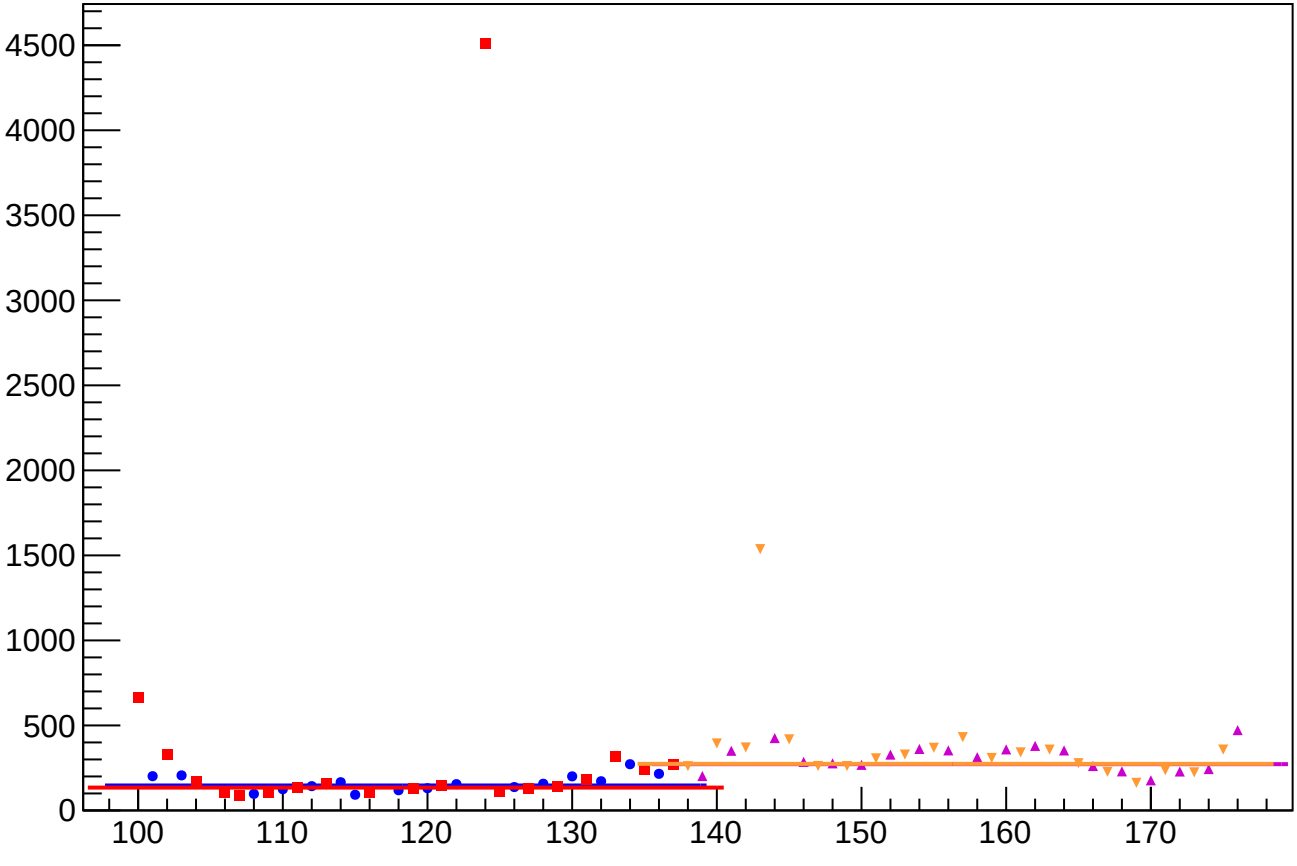
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.020+/-0.044 χ^2/NDF:44.6/38

All: 0.005+/-0.031 χ^2/NDF: 80.6/73

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: 274.041+/-0.052 χ^2/NDF:3092379.9/19

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 273.130+/-0.036 χ^2/NDF: 4970602.6/38

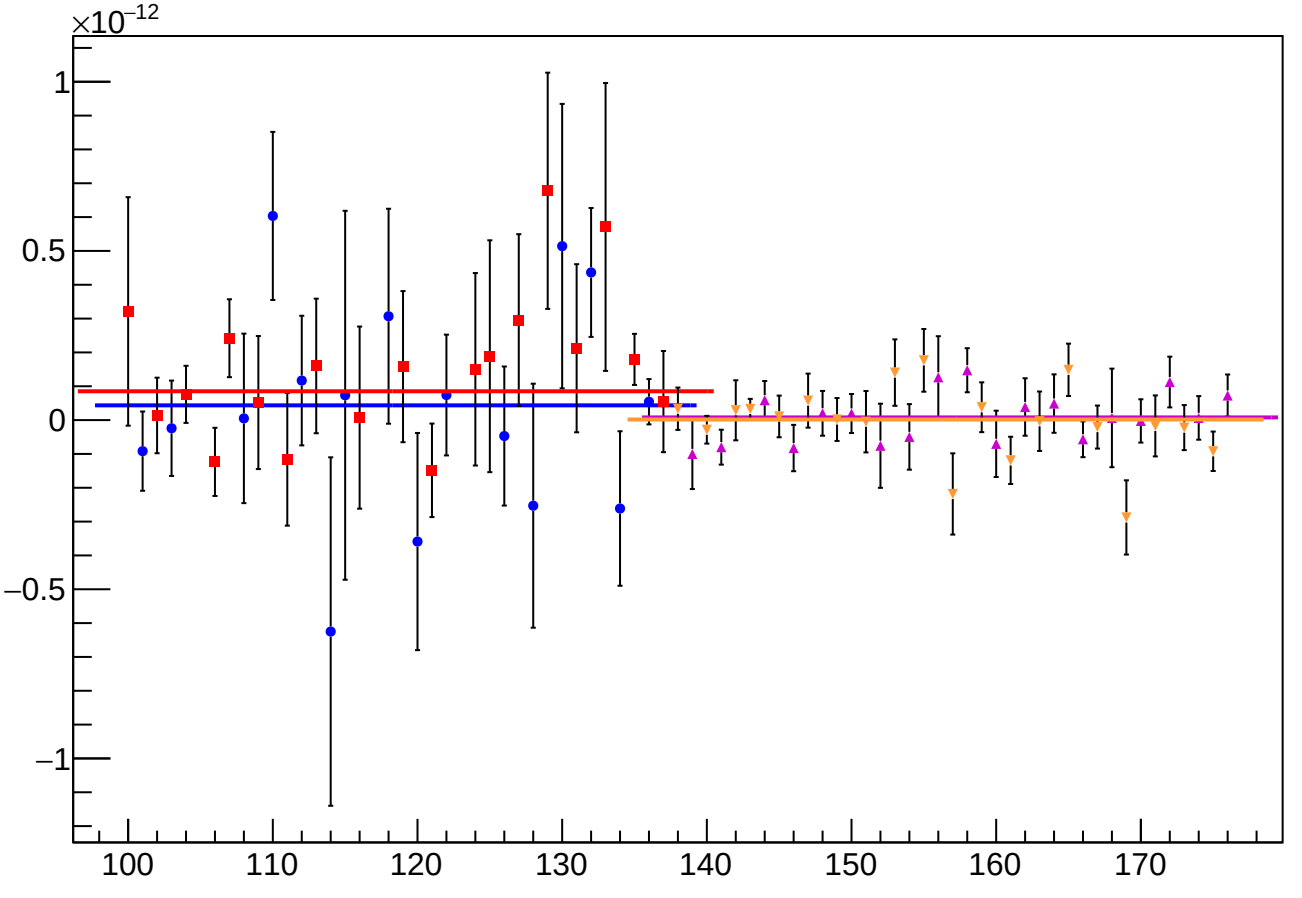
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 184.417+/-0.031 χ^2/NDF:9340410.5/38

All: 189.900+/-0.022 χ^2/NDF: 15961179.8/73

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

Left: 0.000+/-0.000 χ^2/NDF: 46.7/38

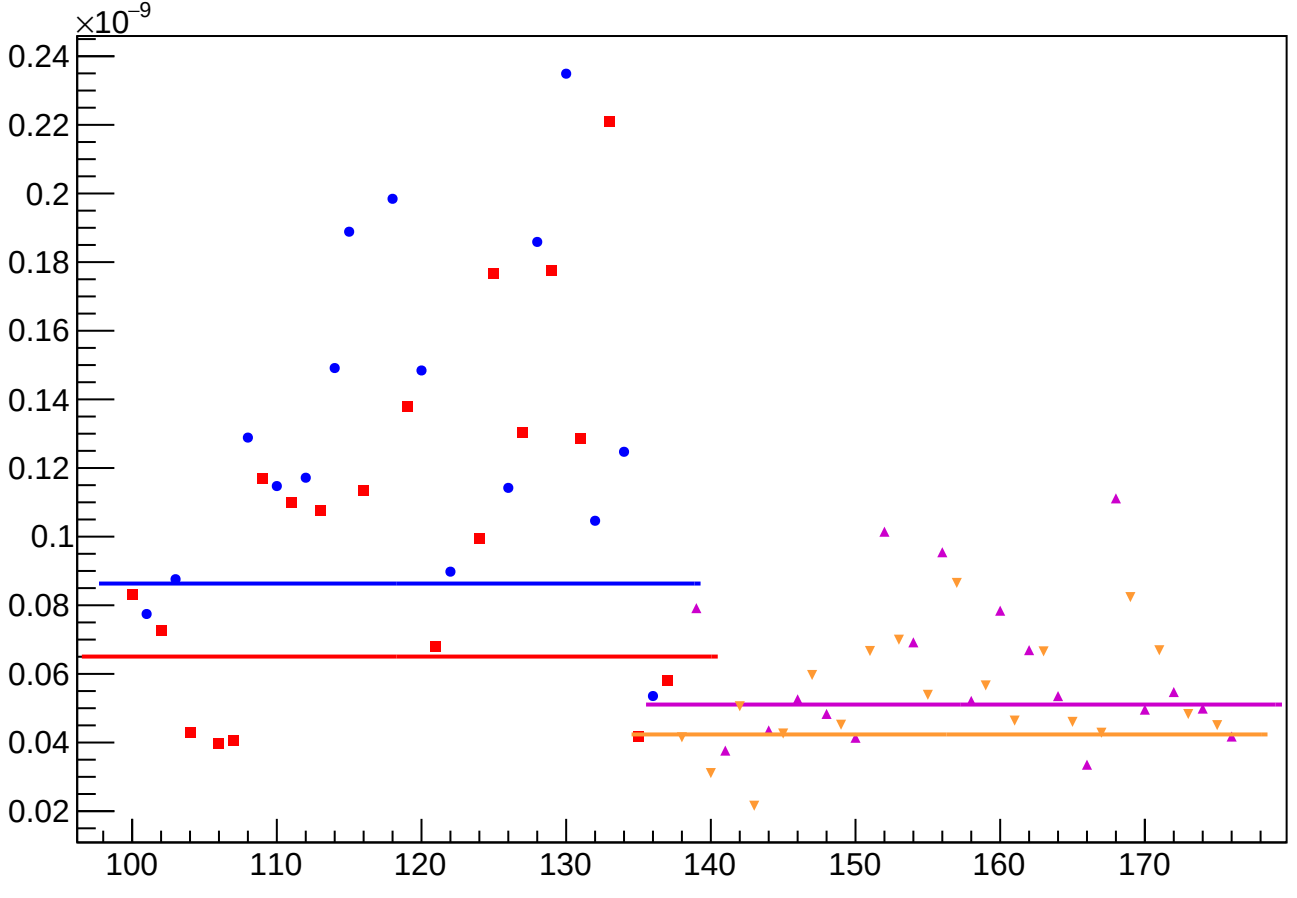
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:51.4/38

All: 0.000+/-0.000 χ^2/NDF: 89.5/73

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:2525386.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

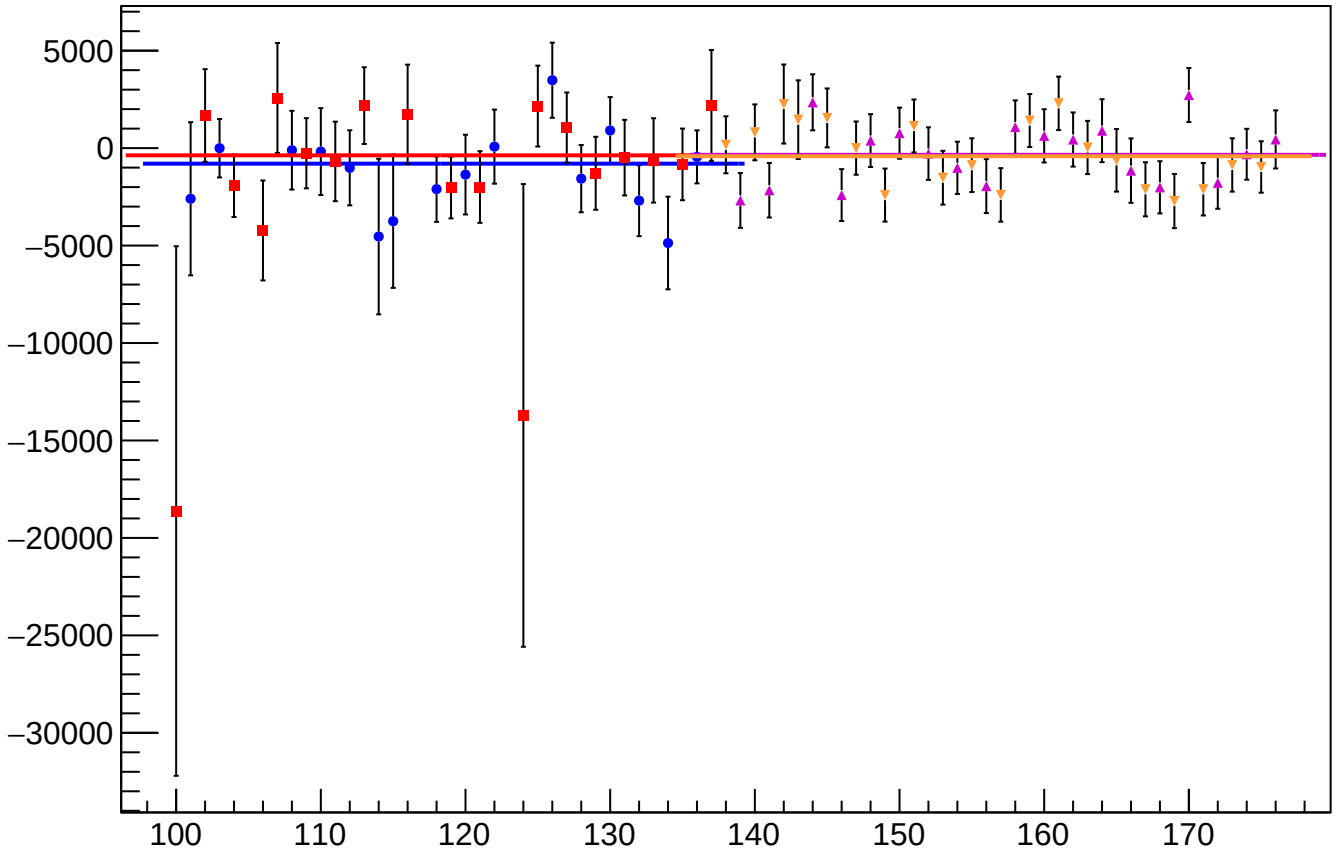
Left: 0.000+/-0.000 χ^2/NDF: 4726782.2/38

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5432059.3/38

All: 0.000+/-0.000 χ^2/NDF: 10540478.8/73



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -417.294+/-319.809 χ^2/NDF:23.5/19

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -344.707+/-318.942 χ^2/NDF:23.6/18

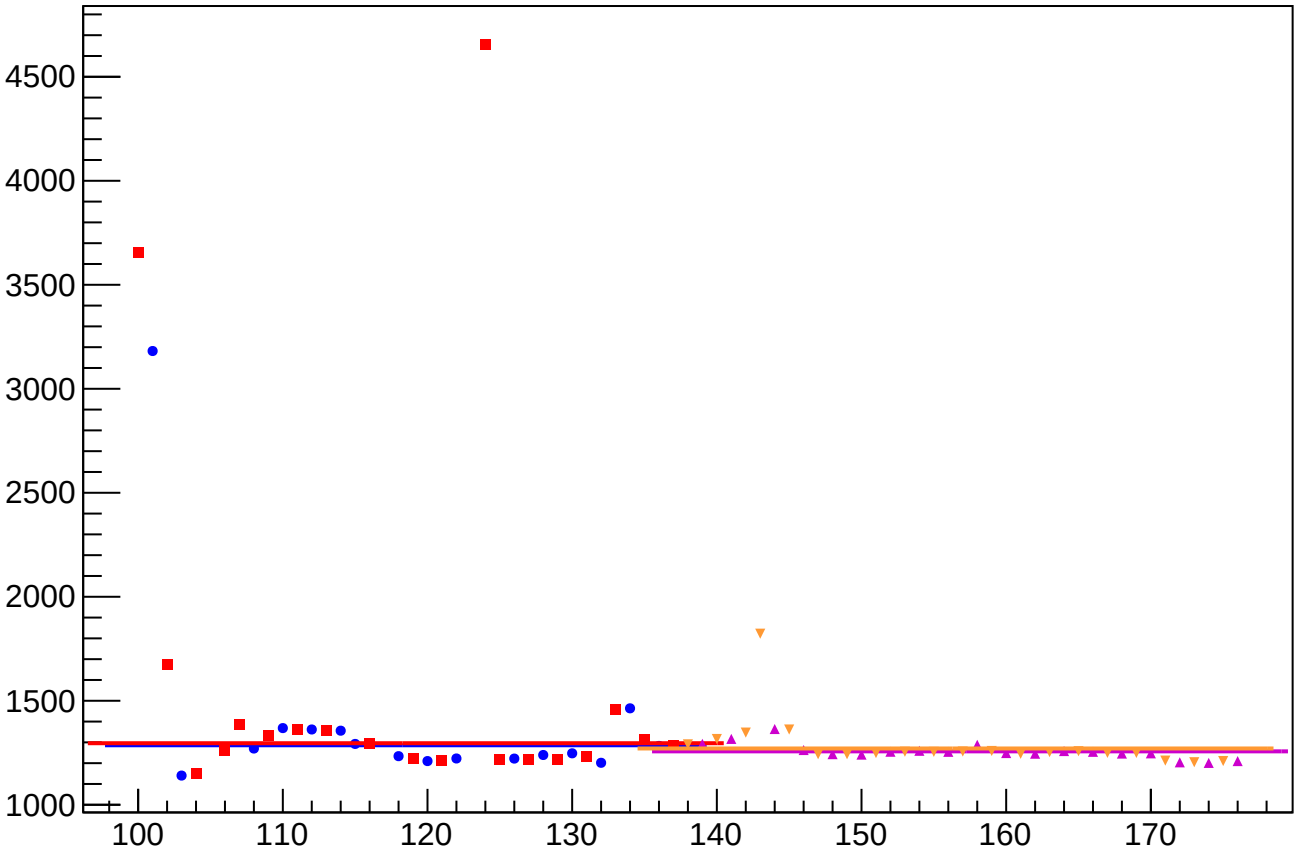
Left: -380.902+/-225.832 χ^2/NDF: 47.1/38

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -480.379+/-266.889 χ^2/NDF:37.6/34

Out: -402.999+/-267.127 χ^2/NDF:39.1/38

All: -441.723+/-188.803 χ^2/NDF: 76.8/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

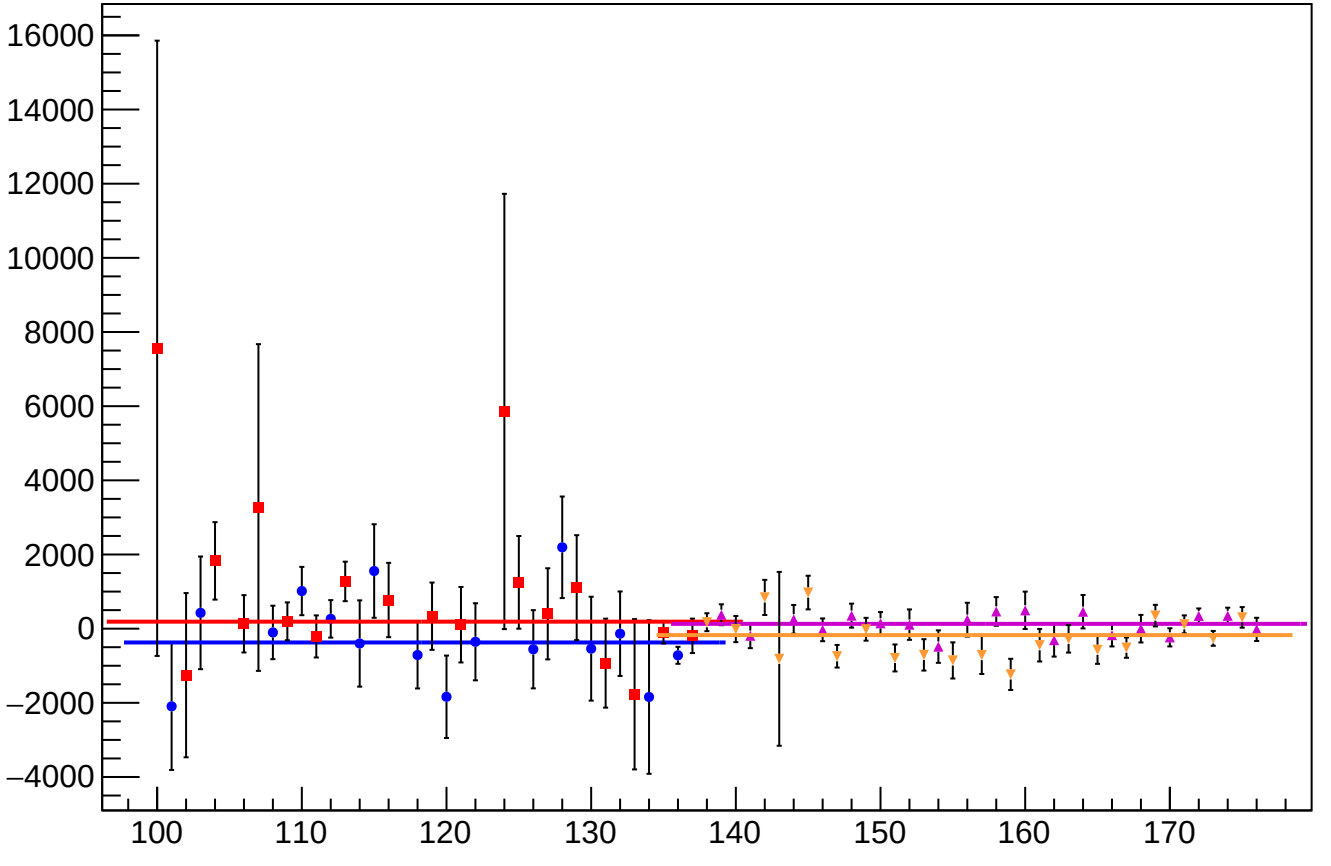
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1265.583+/-0.189 χ^2/NDF:550071.9/34

Out: 1278.299+/-0.189 χ^2/NDF:511855.8/38

All: 1271.935+/-0.134 χ^2/NDF: 1064196.0/73

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: -173.360+/-74.015 χ^2/NDF:41.9/19

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 129.752+/-73.266 χ^2/NDF:13.0/18

Left: -20.262+/-52.070 χ^2/NDF: 63.4/38

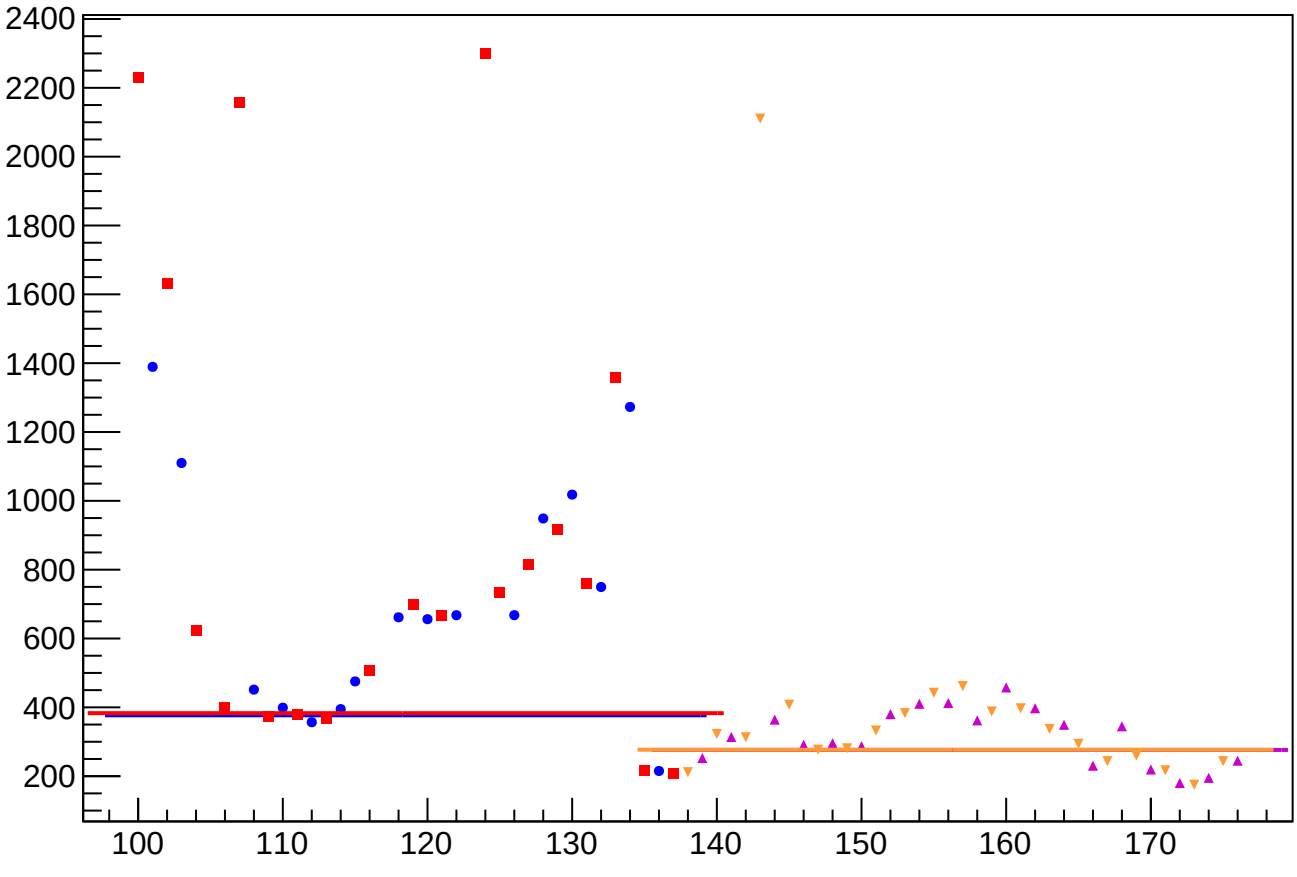
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 49.685+/-67.170 χ^2/NDF:38.6/34

Out: -115.383+/-67.835 χ^2/NDF:60.4/38

All: -32.036+/-47.730 χ^2/NDF: 102.0/73

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: 276.848+/-0.052 χ^2/NDF:3300805.1/19

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

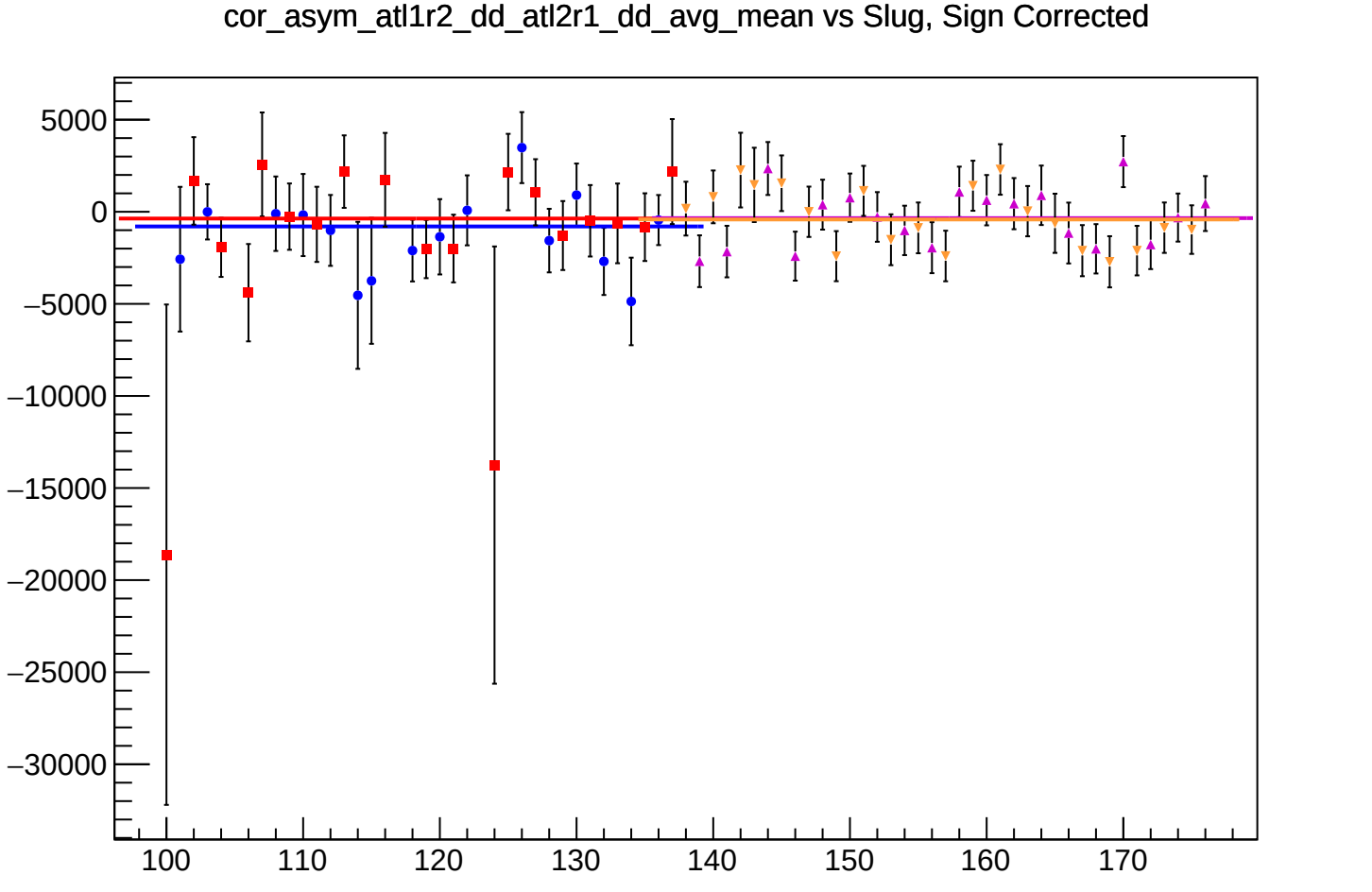
Left: 276.521+/-0.037 χ^2/NDF: 5487176.8/38

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 292.259+/-0.047 χ^2/NDF:6978896.6/34

Out: 293.846+/-0.048 χ^2/NDF:8014154.6/38

All: 293.045+/-0.034 χ^2/NDF: 14993604.0/73



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

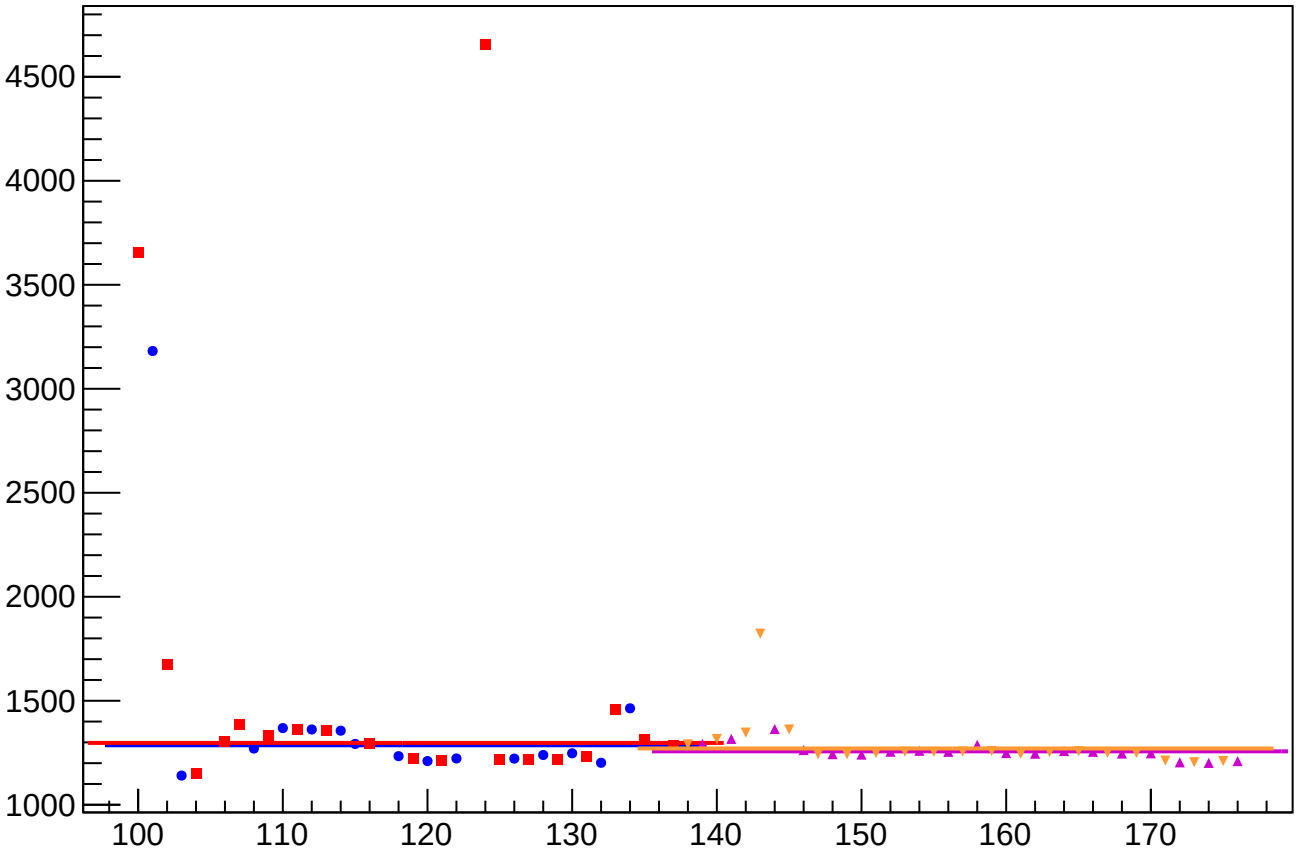
Left: -380.858+/-225.832 χ^2/NDF: 47.1/38

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -441.273+/-188.834 χ^2/NDF: 76.9/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

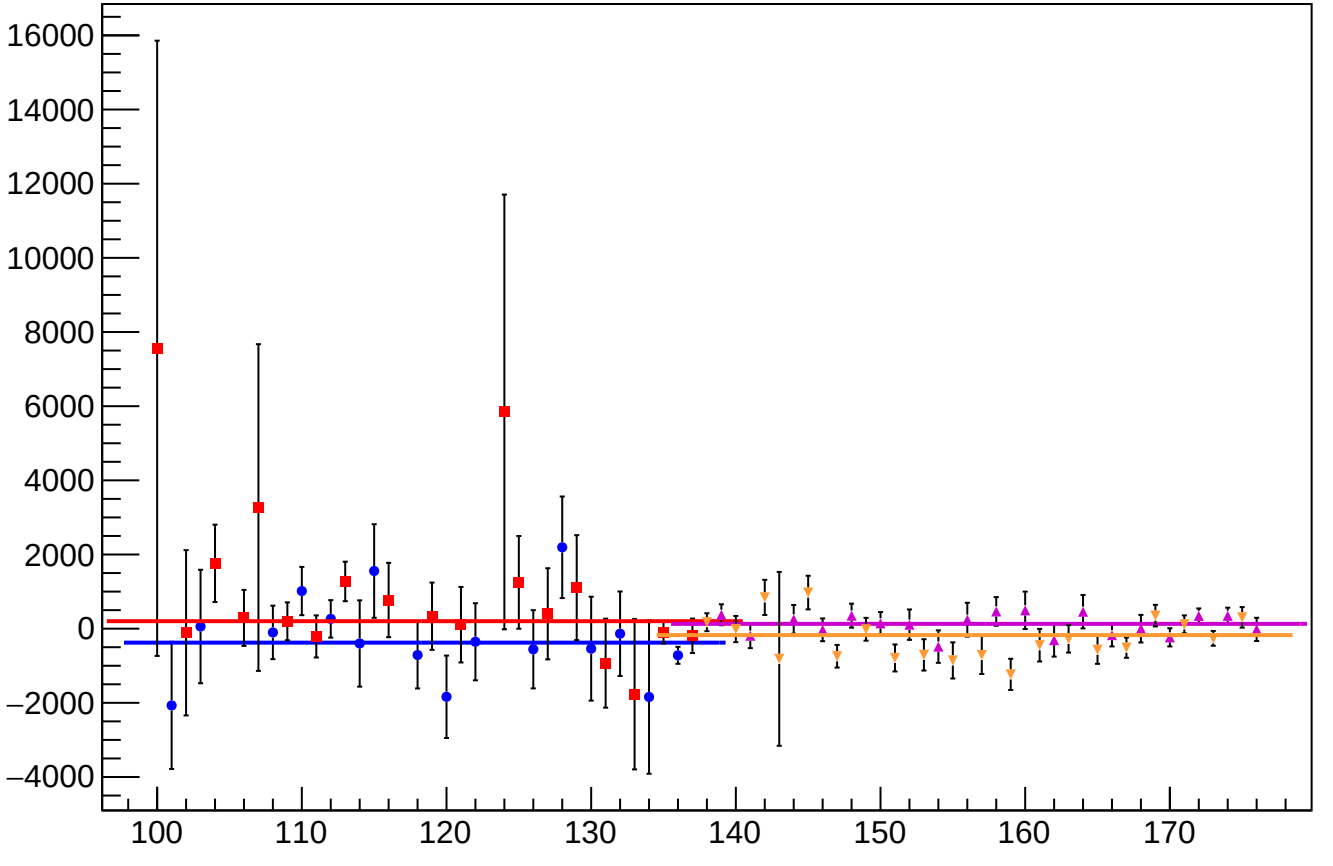
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

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: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -20.208+/-52.071 χ^2/NDF: 63.4/38

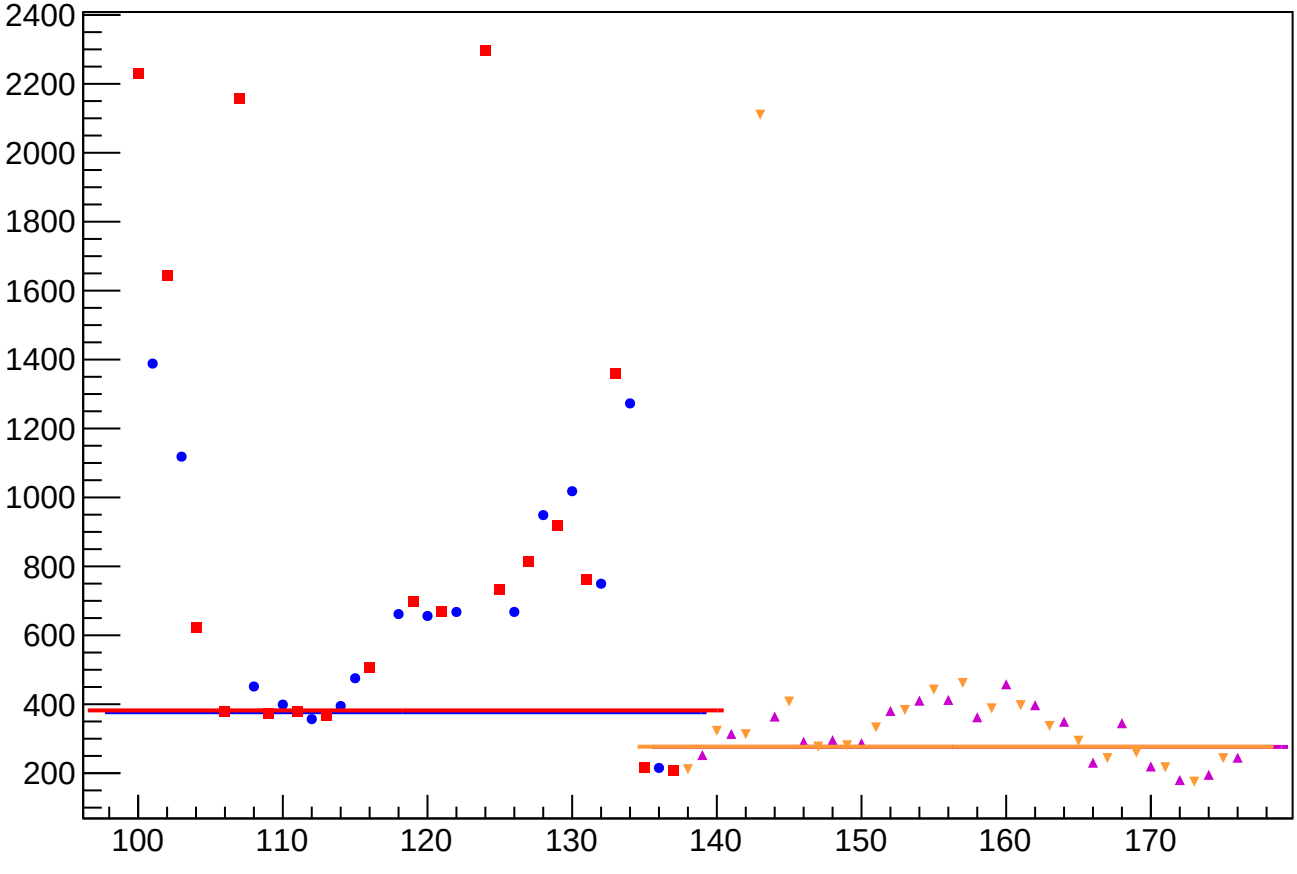
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.254+/-47.727 χ^2/NDF: 101.5/73

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: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

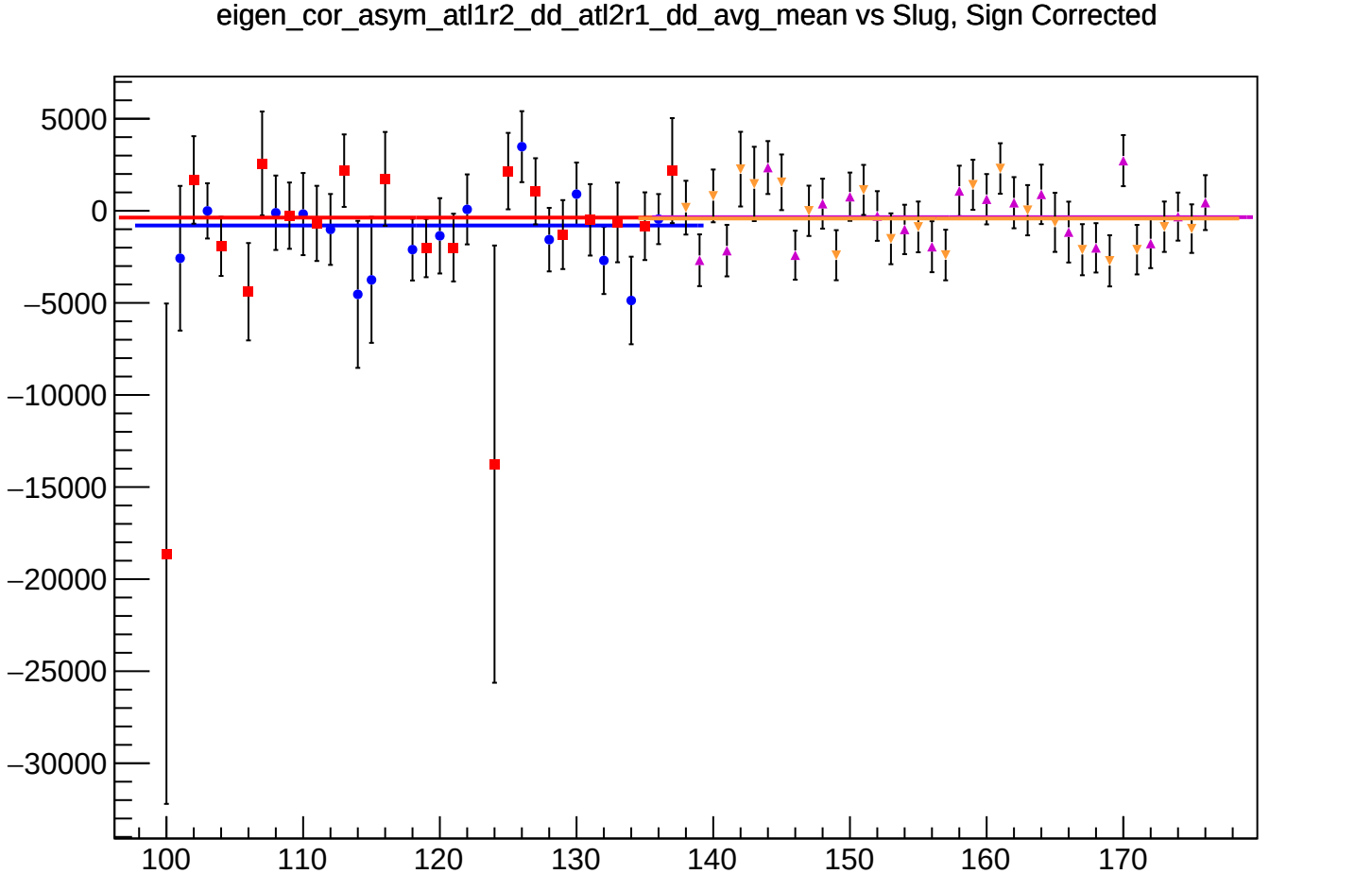
Left: 276.530+/-0.037 χ^2/NDF: 5486766.5/38

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -417.253+/-319.809 χ^2/NDF:23.5/19

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

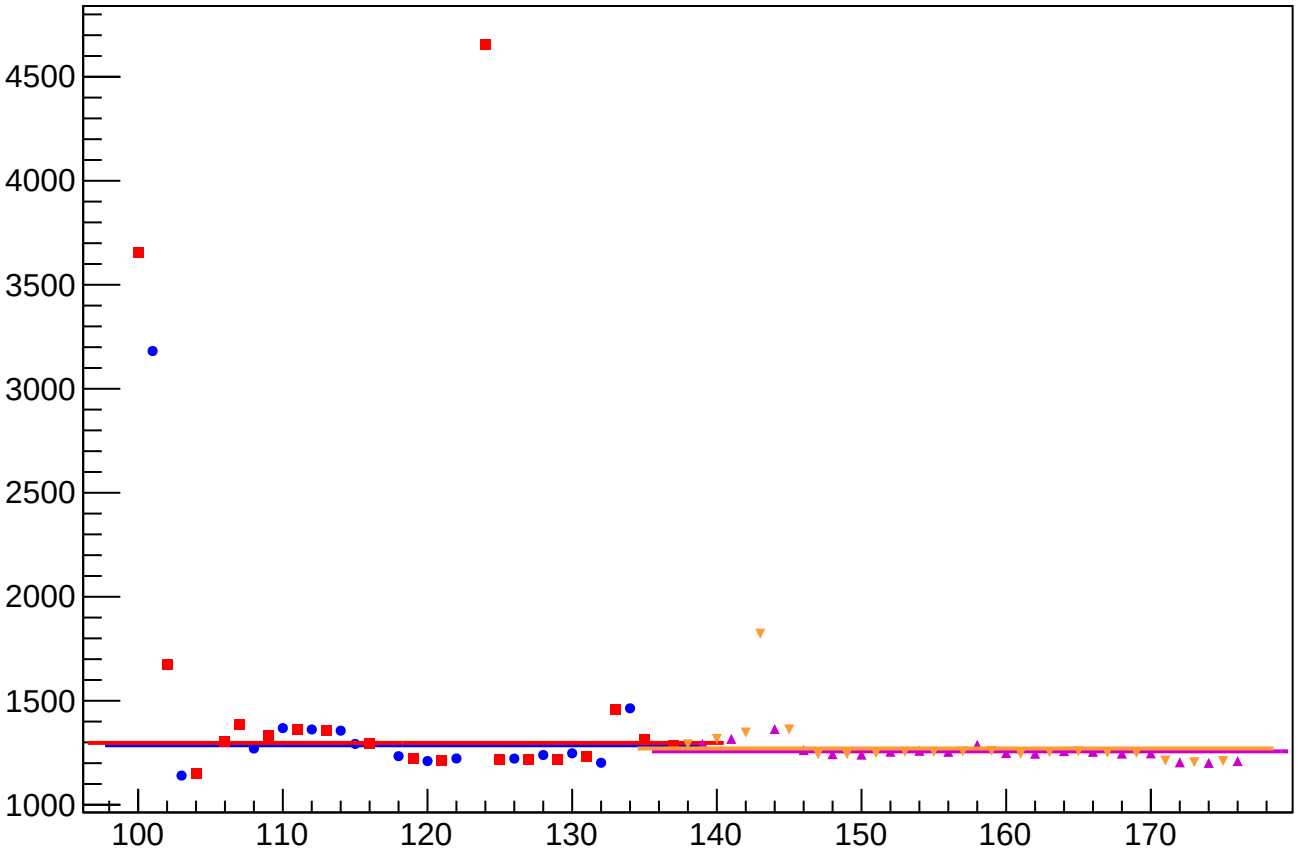
Left: -380.858+/-225.832 χ^2/NDF: 47.1/38

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -402.227+/-267.213 χ^2/NDF:39.2/38

All: -441.273+/-188.834 χ^2/NDF: 76.9/73



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1270.654+/-0.226 χ^2/NDF:180005.1/19

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1263.708+/-0.160 χ^2/NDF: 208772.8/38

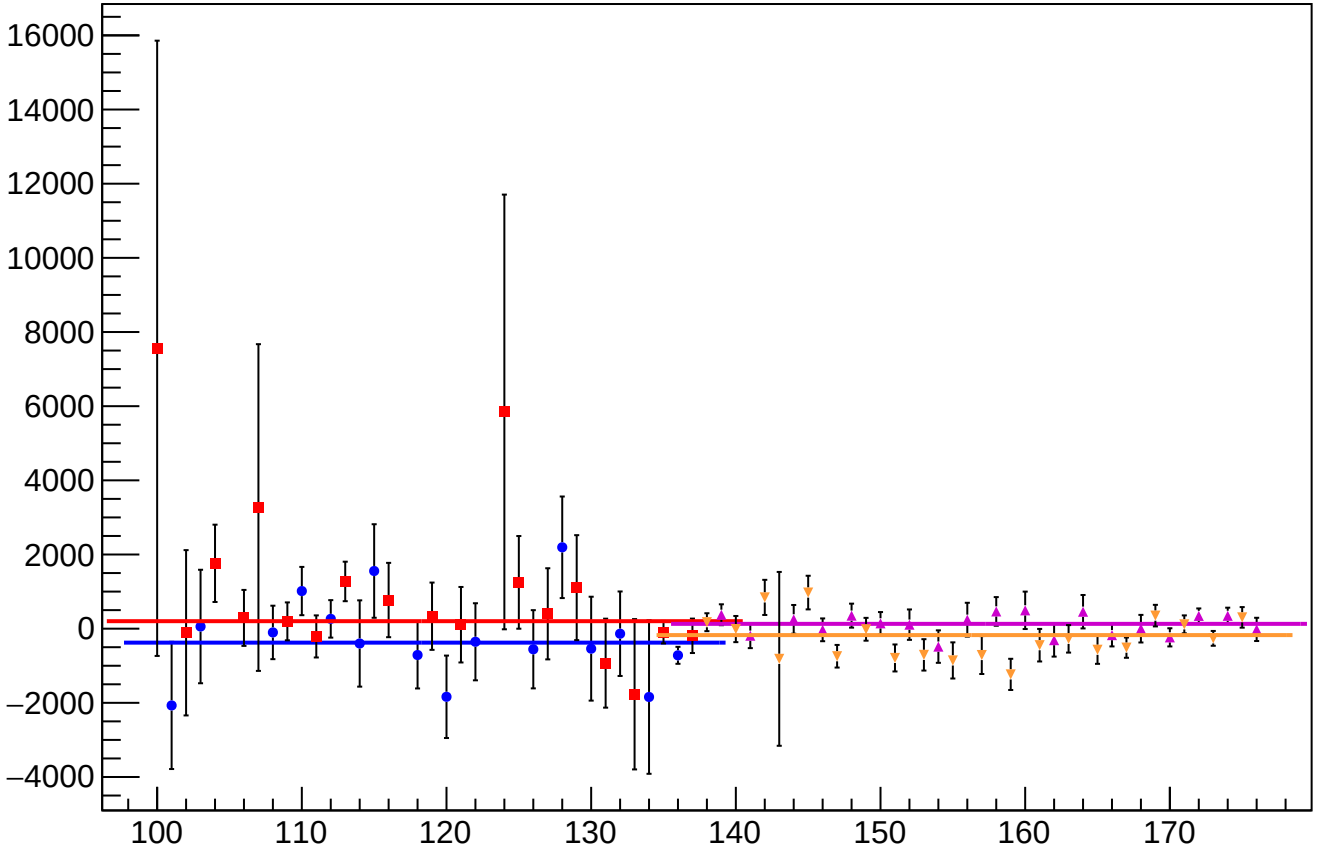
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1278.726+/-0.189 χ^2/NDF:511967.6/38

All: 1272.146+/-0.134 χ^2/NDF: 1064463.1/73

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: -173.341+/-74.017 χ^2/NDF:41.9/19

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -20.208+/-52.071 χ^2/NDF: 63.4/38

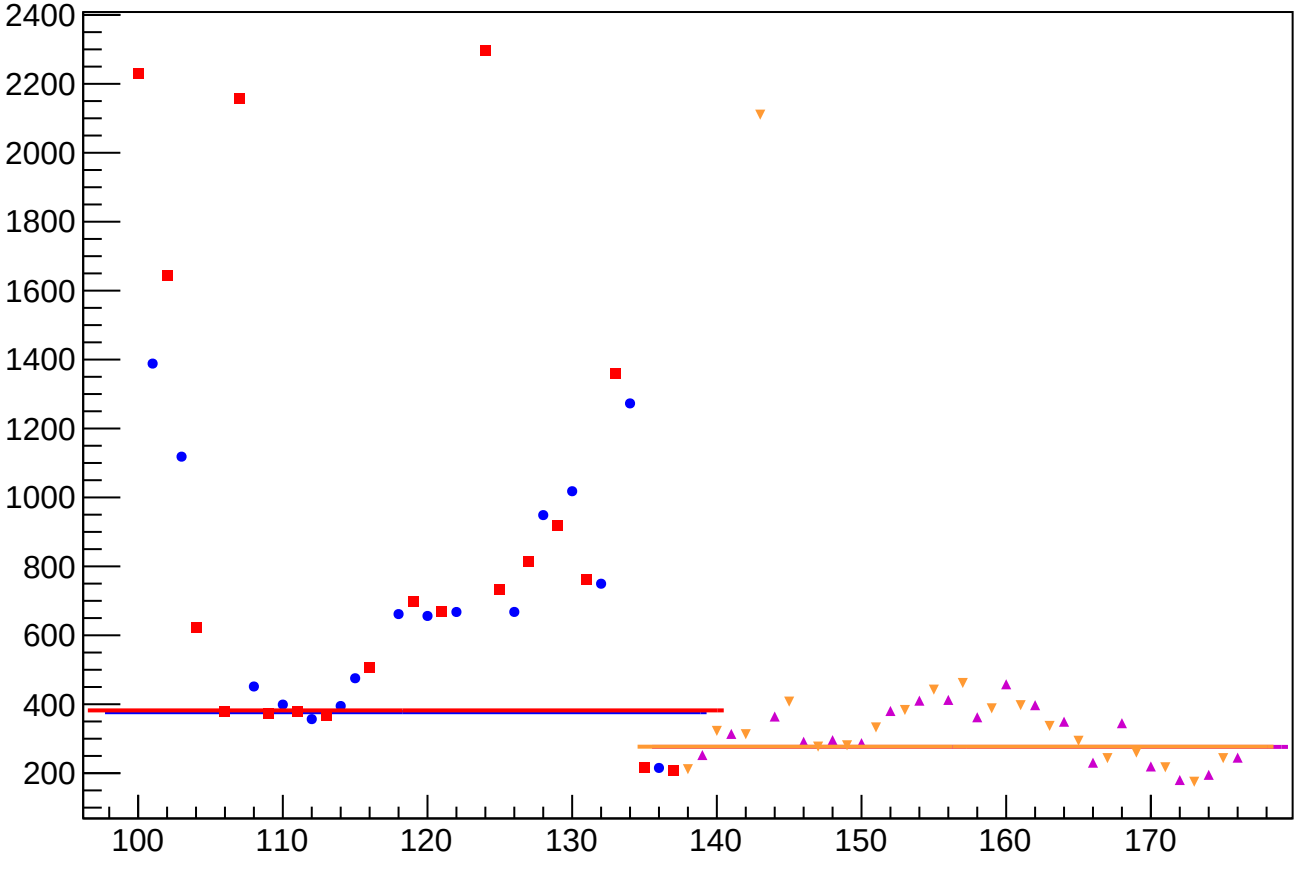
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -113.134+/-67.824 χ^2/NDF:60.1/38

All: -31.254+/-47.727 χ^2/NDF: 101.5/73

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: 276.857+/-0.052 χ^2/NDF:3300574.5/19

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

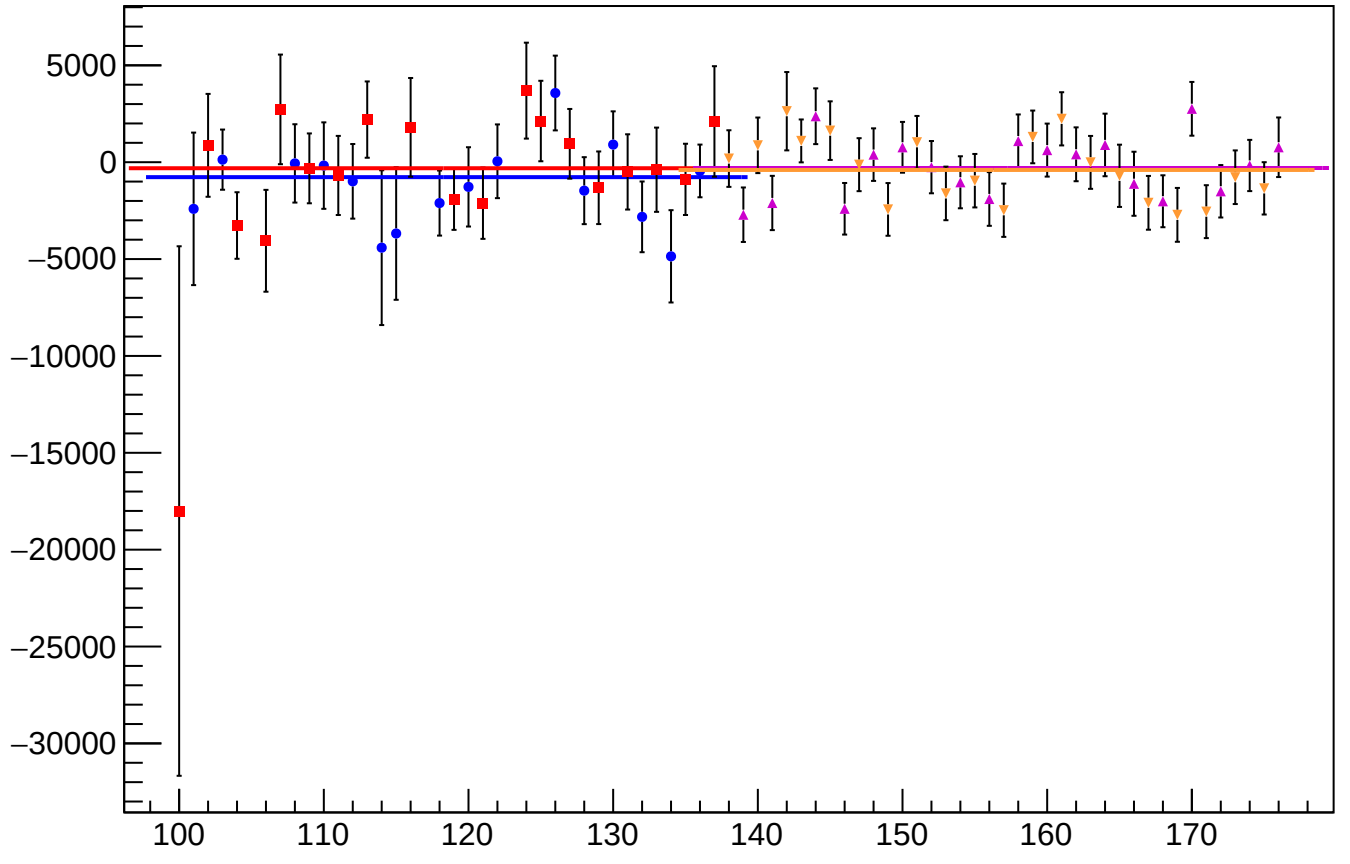
Left: 276.530+/-0.037 χ^2/NDF: 5486766.5/38

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 293.738+/-0.048 χ^2/NDF:8008959.7/38

All: 292.992+/-0.034 χ^2/NDF: 14990984.8/73



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.922+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

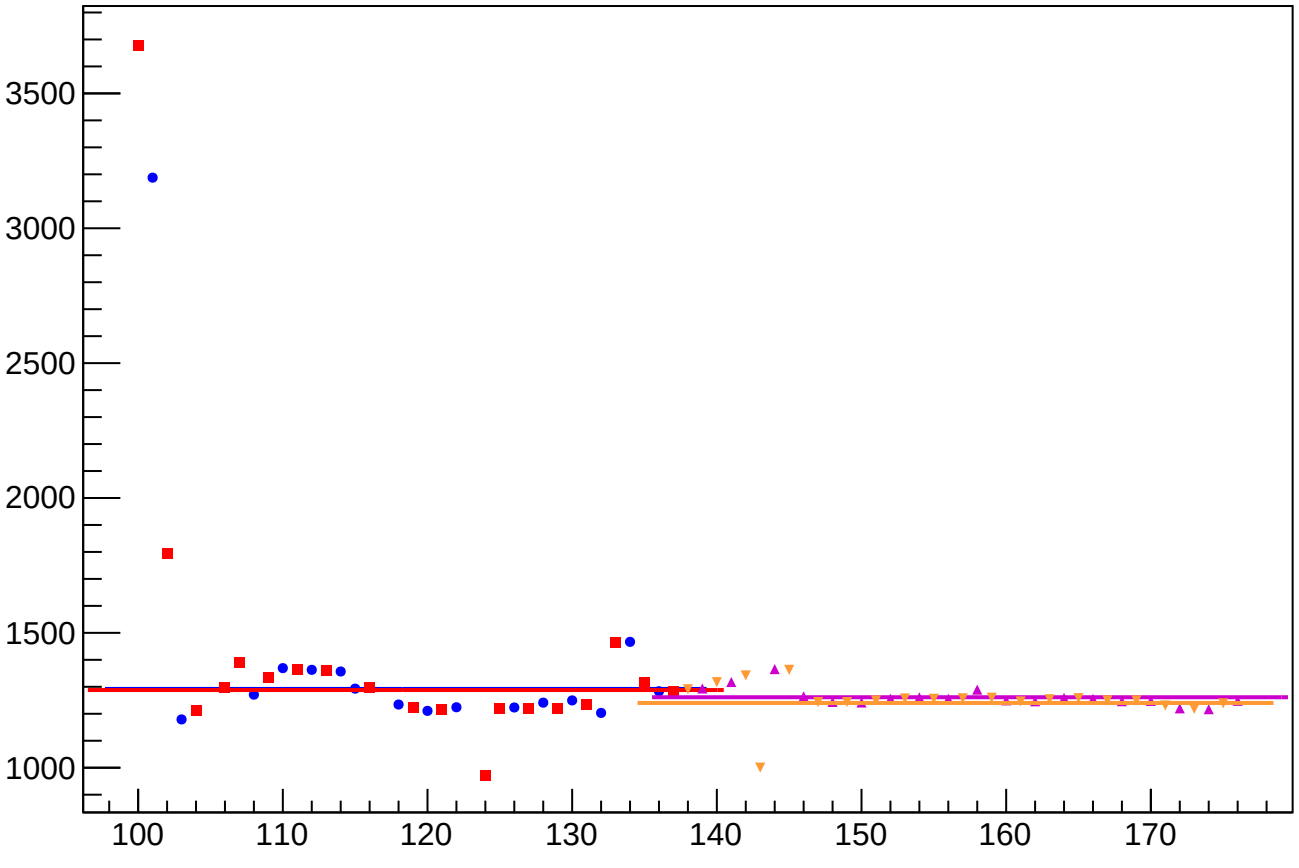
Left: -350.873+/-223.351 χ^2/NDF: 49.6/38

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -440.606+/-267.895 χ^2/NDF:37.7/34

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -406.479+/-187.283 χ^2/NDF: 81.8/73



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.8/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

Left: 1250.403+/-0.158 χ^2/NDF: 149062.5/38

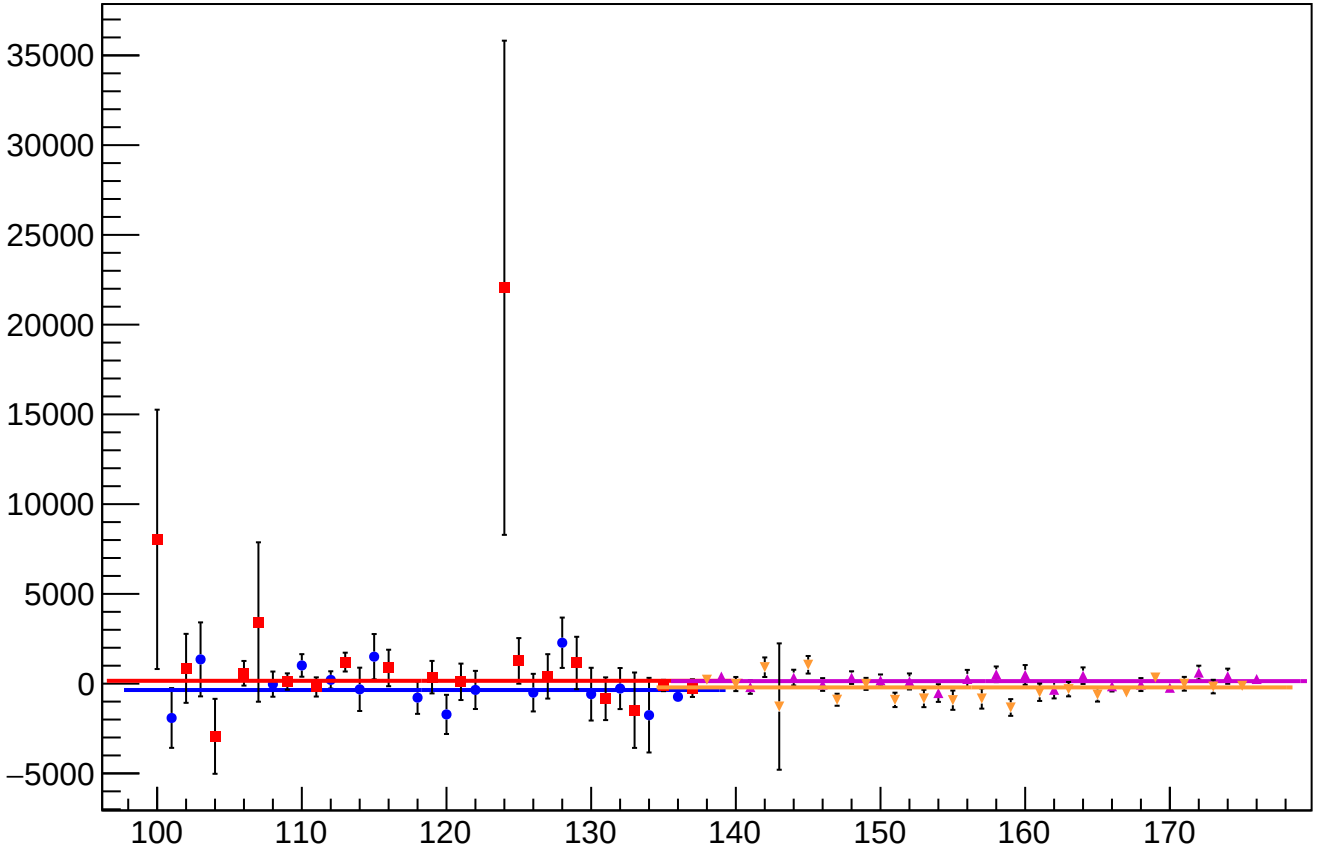
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1270.499+/-0.189 χ^2/NDF:536529.1/34

Out: 1254.177+/-0.185 χ^2/NDF:346070.9/38

All: 1262.154+/-0.132 χ^2/NDF: 886395.5/73

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: -208.923+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 140.612+/-77.662 χ^2/NDF:13.0/18

Left: -34.778+/-54.817 χ^2/NDF: 62.5/38

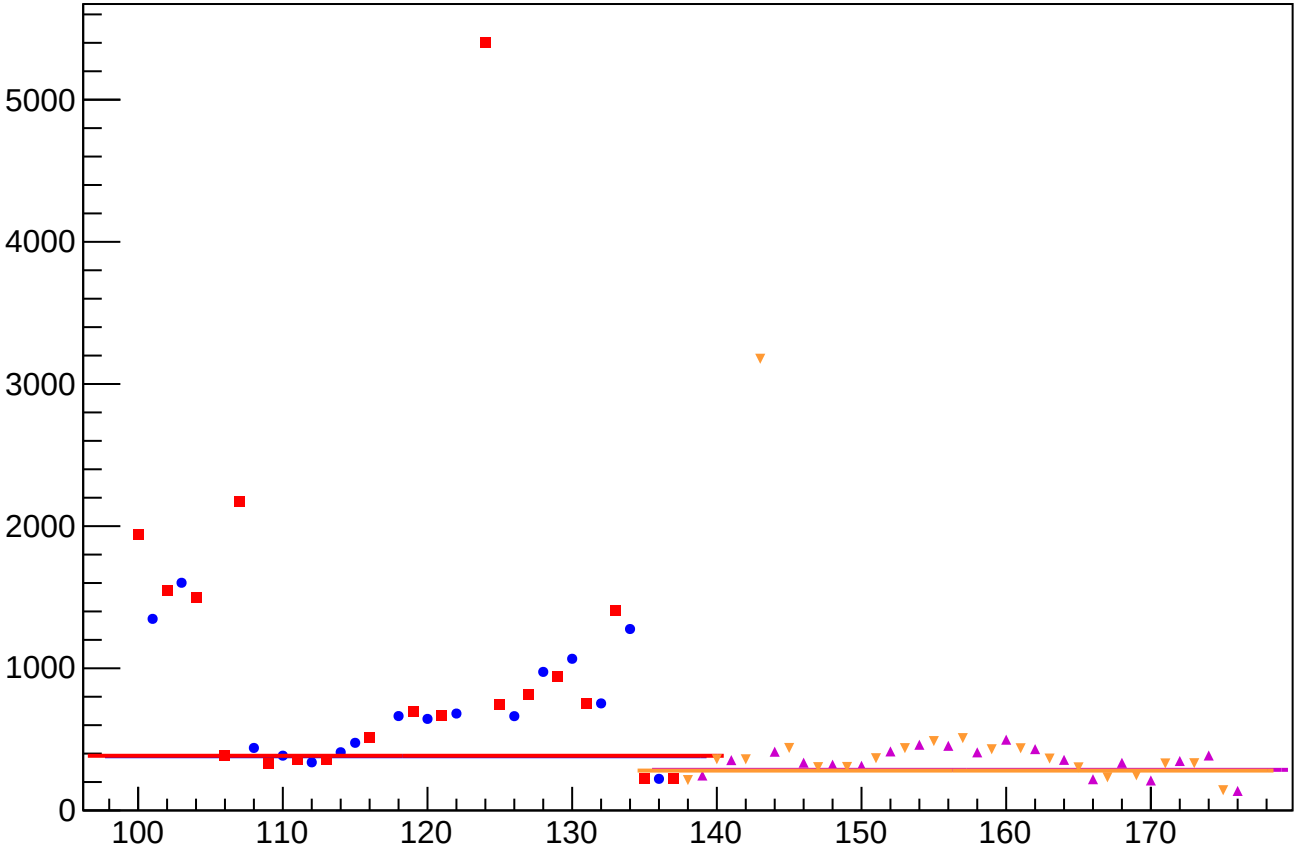
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 54.975+/-70.637 χ^2/NDF:38.5/34

Out: -145.749+/-70.407 χ^2/NDF:59.0/38

All: -45.714+/-49.867 χ^2/NDF: 101.6/73

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 280.526+/-0.055 χ^2/NDF:4928292.4/19

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

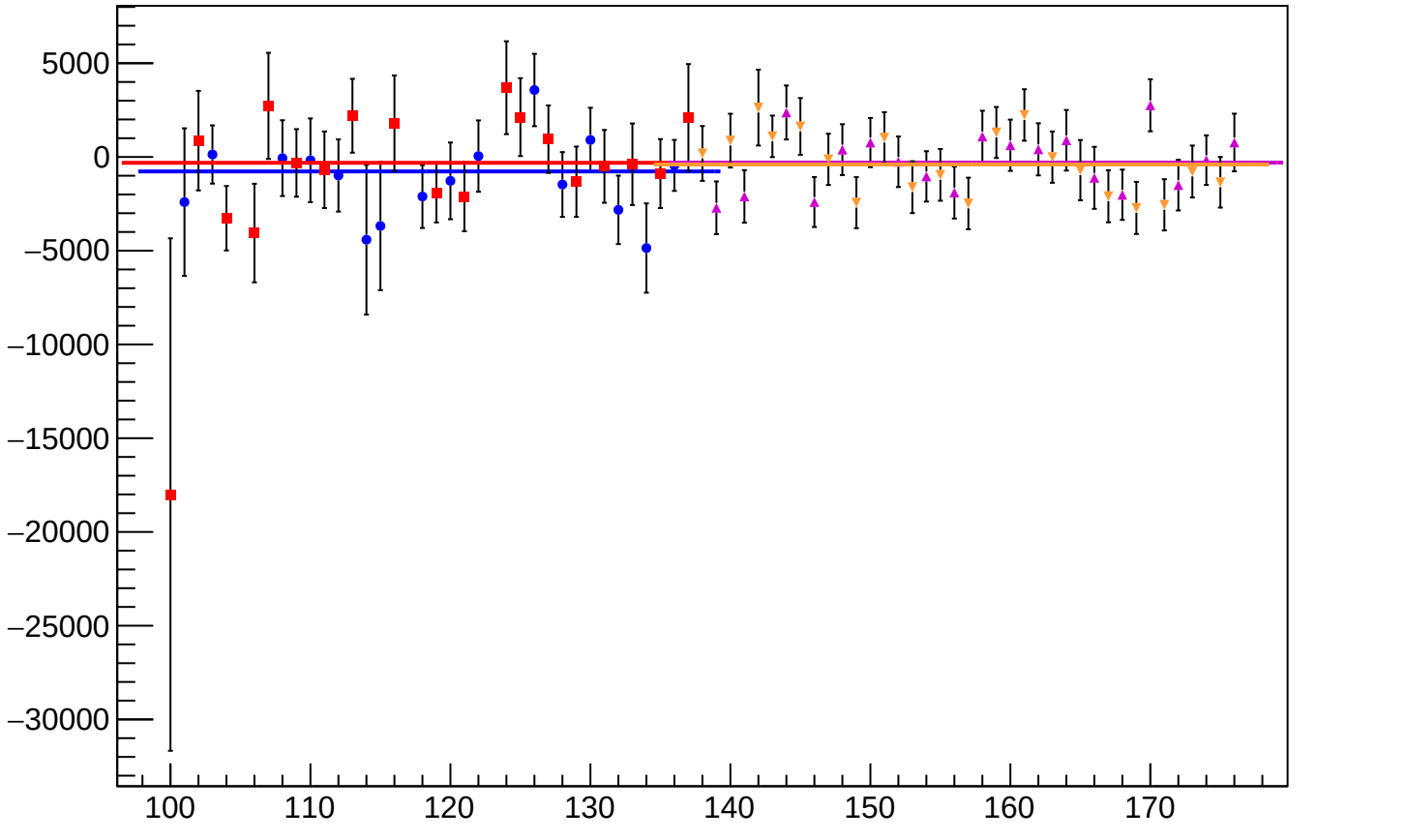
Left: 283.117+/-0.039 χ^2/NDF: 8670627.8/38

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 302.241+/-0.050 χ^2/NDF:8579445.4/34

Out: 298.457+/-0.050 χ^2/NDF:10112054.8/38

All: 300.343+/-0.035 χ^2/NDF: 18694378.4/73



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -399.921+/-311.835 χ^2/NDF:26.1/19

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

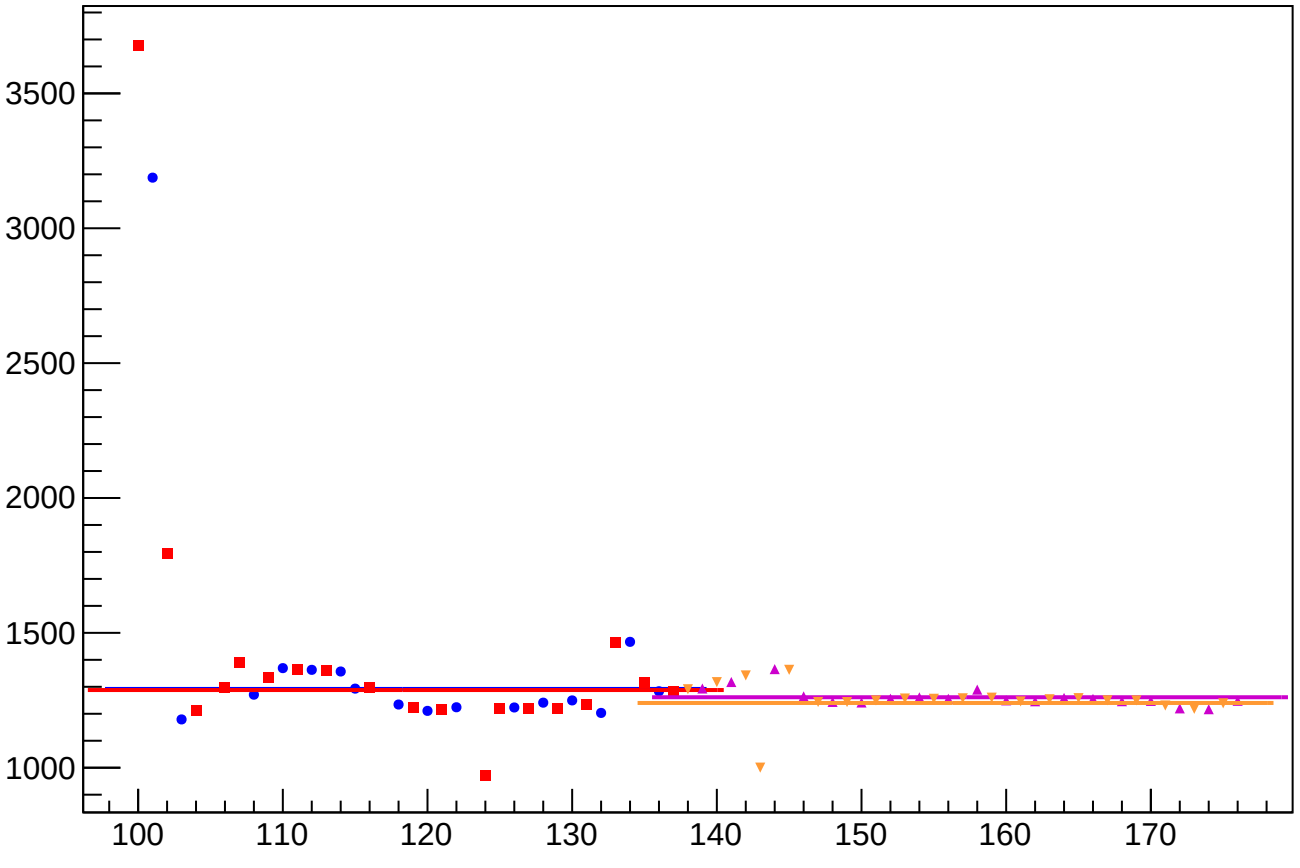
Left: -350.873+/-223.351 χ^2/NDF: 49.6/38

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -440.607+/-267.895 χ^2/NDF:37.7/34

Out: -373.857+/-261.922 χ^2/NDF:44.1/38

All: -406.480+/-187.283 χ^2/NDF: 81.8/73



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.063+/-0.221 χ^2/NDF:122949.0/19

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

Left: 1250.403+/-0.158 χ^2/NDF: 149061.9/38

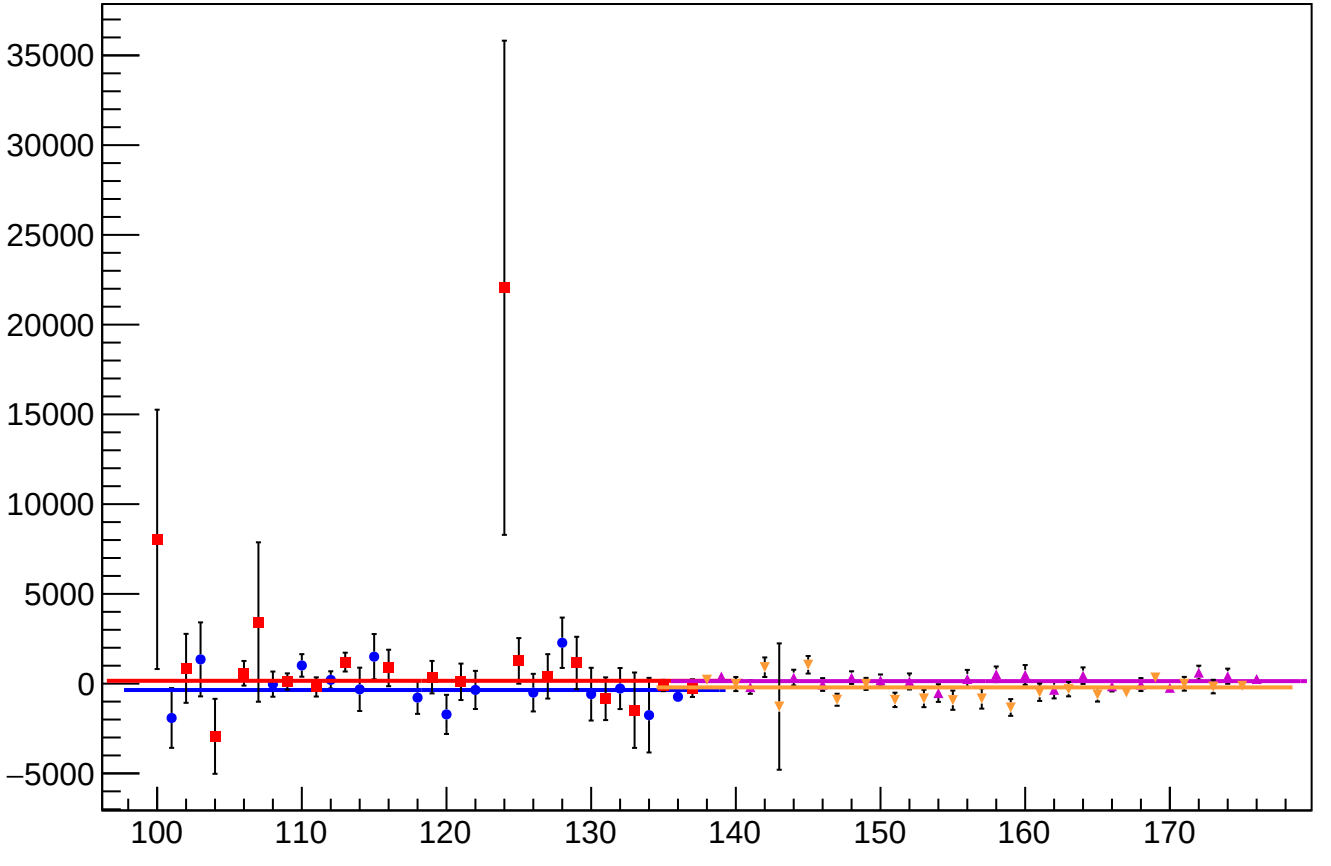
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1270.499+/-0.189 χ^2/NDF:536529.2/34

Out: 1254.177+/-0.185 χ^2/NDF:346070.4/38

All: 1262.154+/-0.132 χ^2/NDF: 886395.0/73

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: -208.928+/-77.385 χ^2/NDF:39.3/19

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 140.611+/-77.662 χ^2/NDF:13.0/18

Left: -34.782+/-54.817 χ^2/NDF: 62.5/38

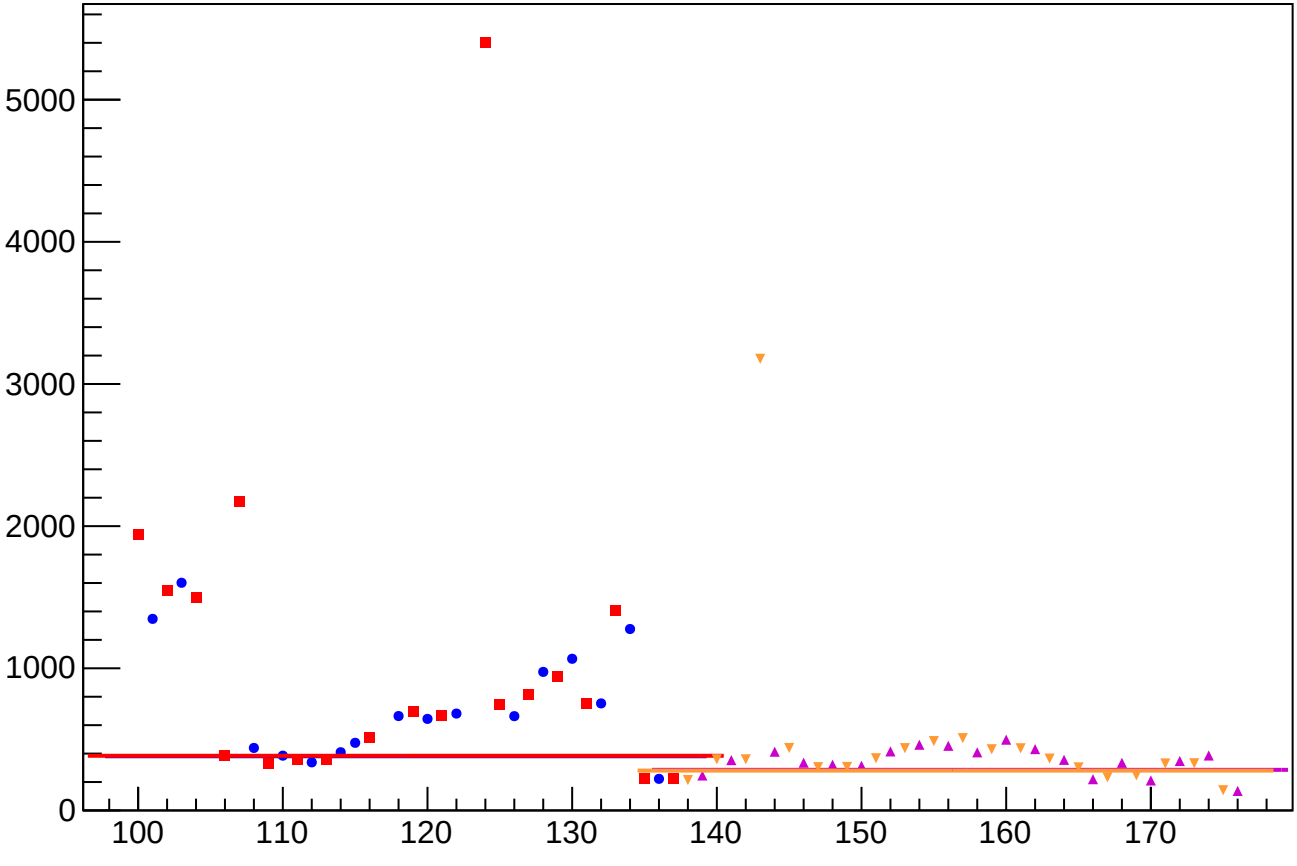
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 54.976+/-70.638 χ^2/NDF:38.5/34

Out: -145.753+/-70.408 χ^2/NDF:59.0/38

All: -45.716+/-49.867 χ^2/NDF: 101.6/73

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: 280.528+/-0.055 χ^2/NDF:4928206.5/19

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

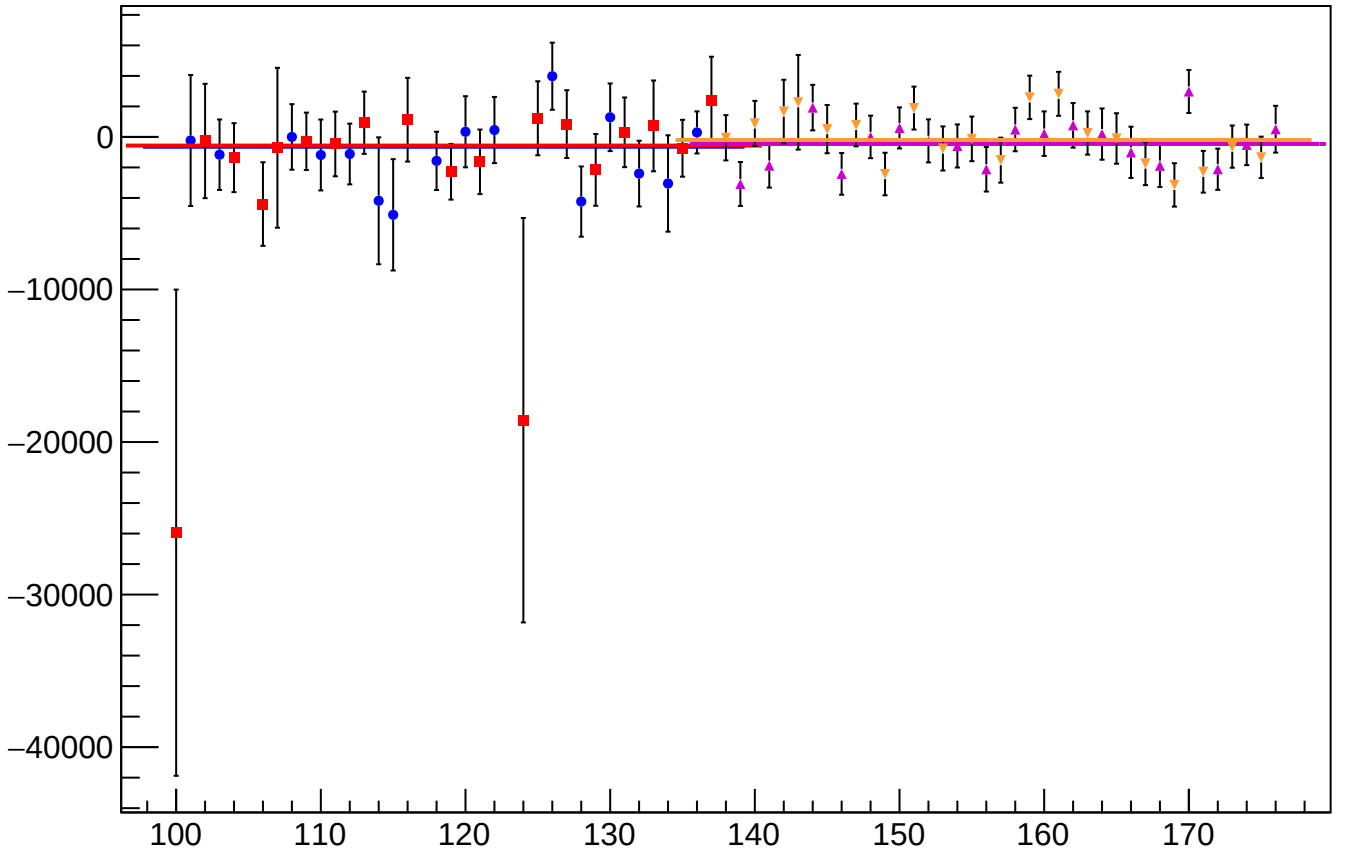
Left: 283.118+/-0.039 χ^2/NDF: 8670483.9/38

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 302.243+/-0.050 χ^2/NDF:8579285.0/34

Out: 298.460+/-0.050 χ^2/NDF:10111886.5/38

All: 300.345+/-0.035 χ^2/NDF: 18694049.2/73



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -198.722+/-333.133 χ^2/NDF:25.4/19

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -460.577+/-329.908 χ^2/NDF:21.5/18

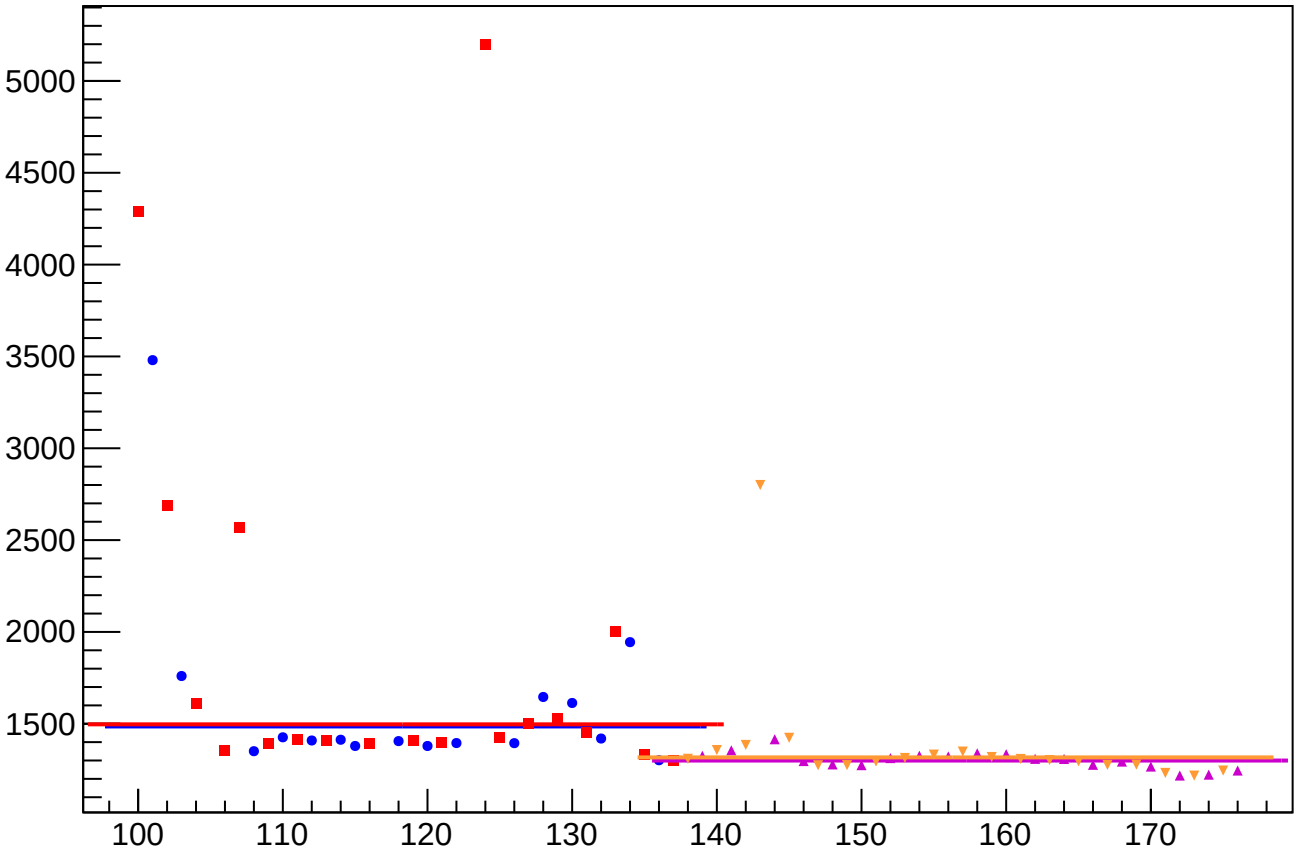
Left: -330.923+/-234.412 χ^2/NDF: 47.1/38

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -506.483+/-284.815 χ^2/NDF:34.0/34

Out: -293.349+/-287.197 χ^2/NDF:37.0/38

All: -400.804+/-202.232 χ^2/NDF: 71.3/73



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1316.727+/-0.236 χ^2/NDF:502306.7/19

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

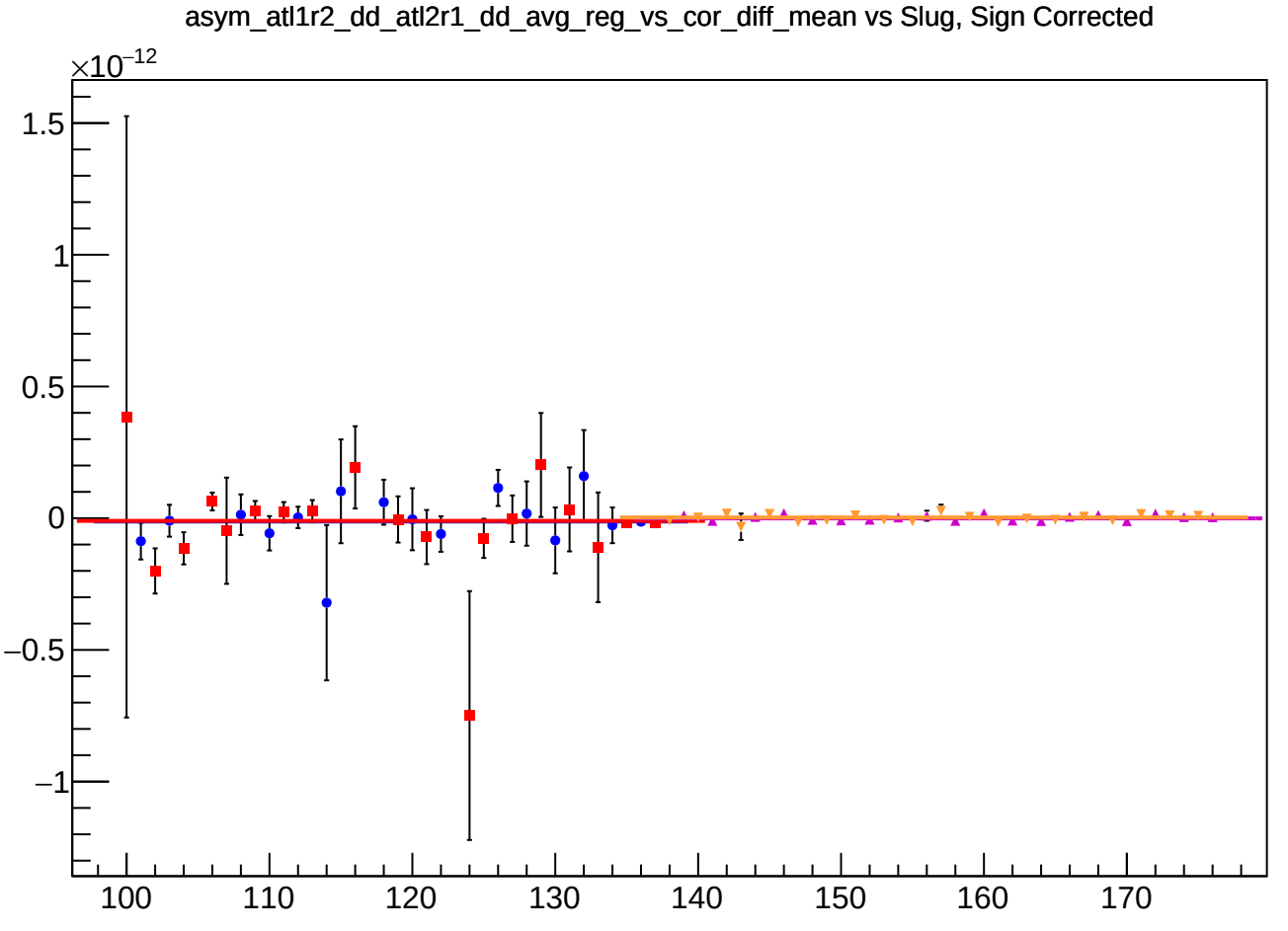
Left: 1308.144+/-0.166 χ^2/NDF: 543883.9/38

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1347.007+/-0.201 χ^2/NDF:784708.9/34

Out: 1362.981+/-0.203 χ^2/NDF:1275757.4/38

All: 1354.928+/-0.143 χ^2/NDF: 2063585.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

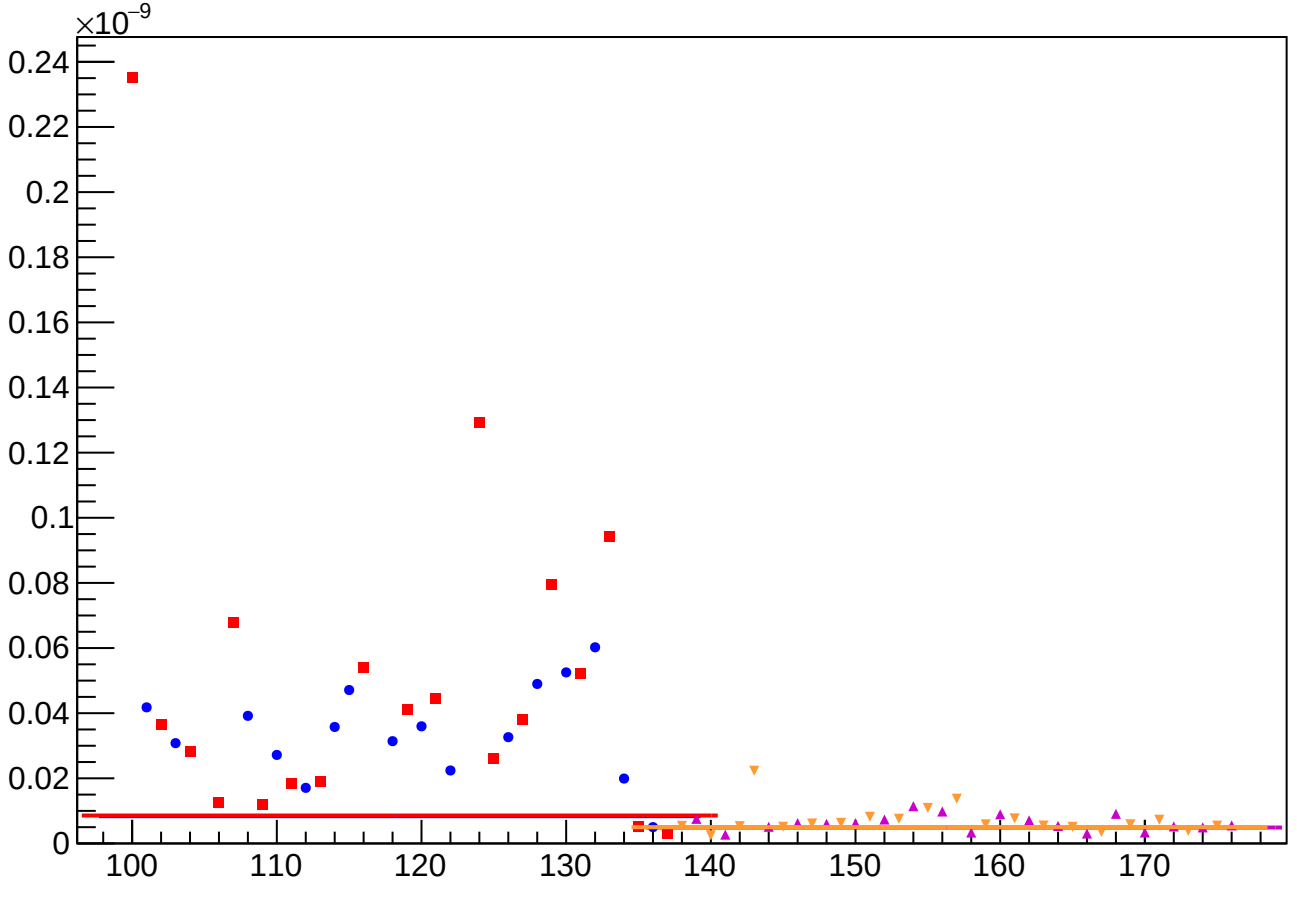
Left: 0.000+/-0.000 χ^2/NDF: 42.0/38

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:43.6/38

All: 0.000+/-0.000 χ^2/NDF: 78.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887463.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3587674.4/38

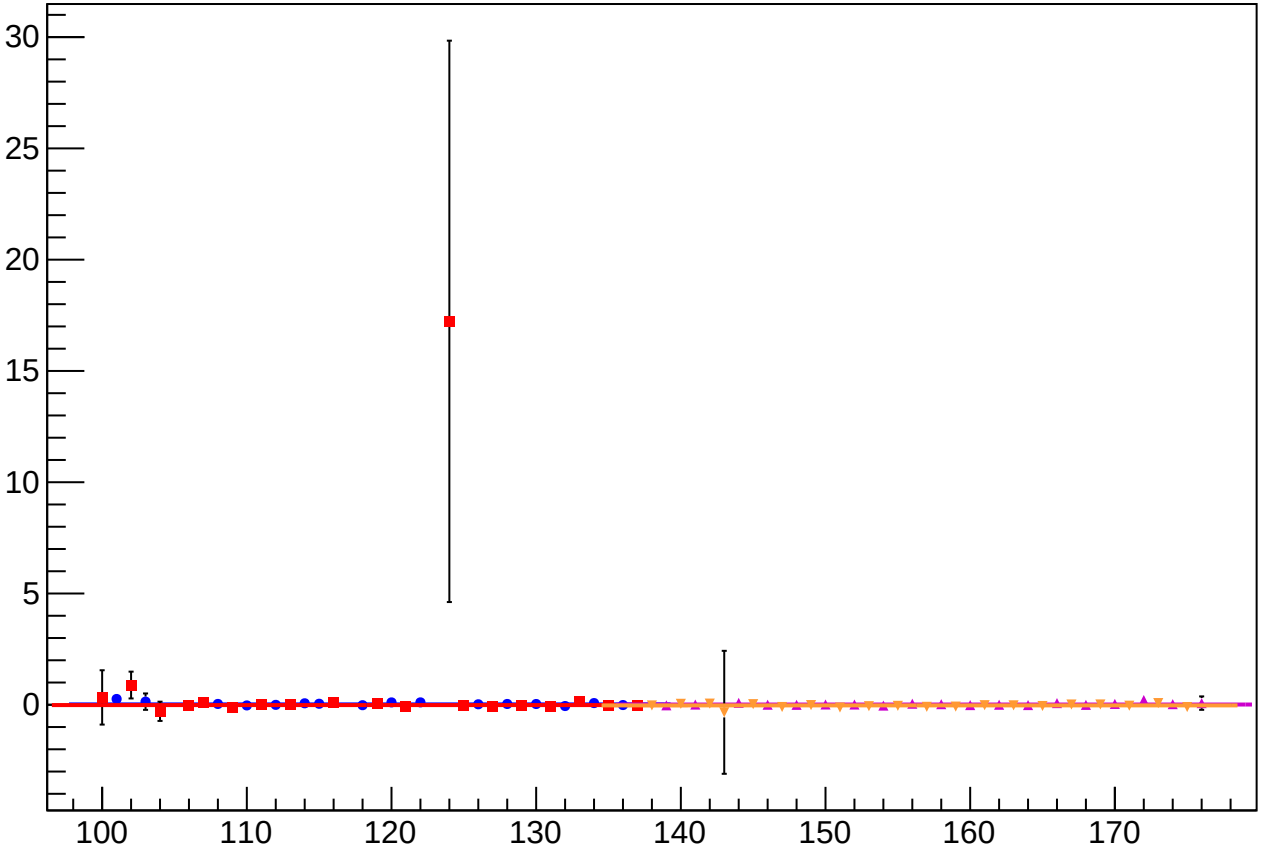
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5163408.3/34

Out: 0.000+/-0.000 χ^2/NDF:5606853.2/38

All: 0.000+/-0.000 χ^2/NDF: 10771653.6/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

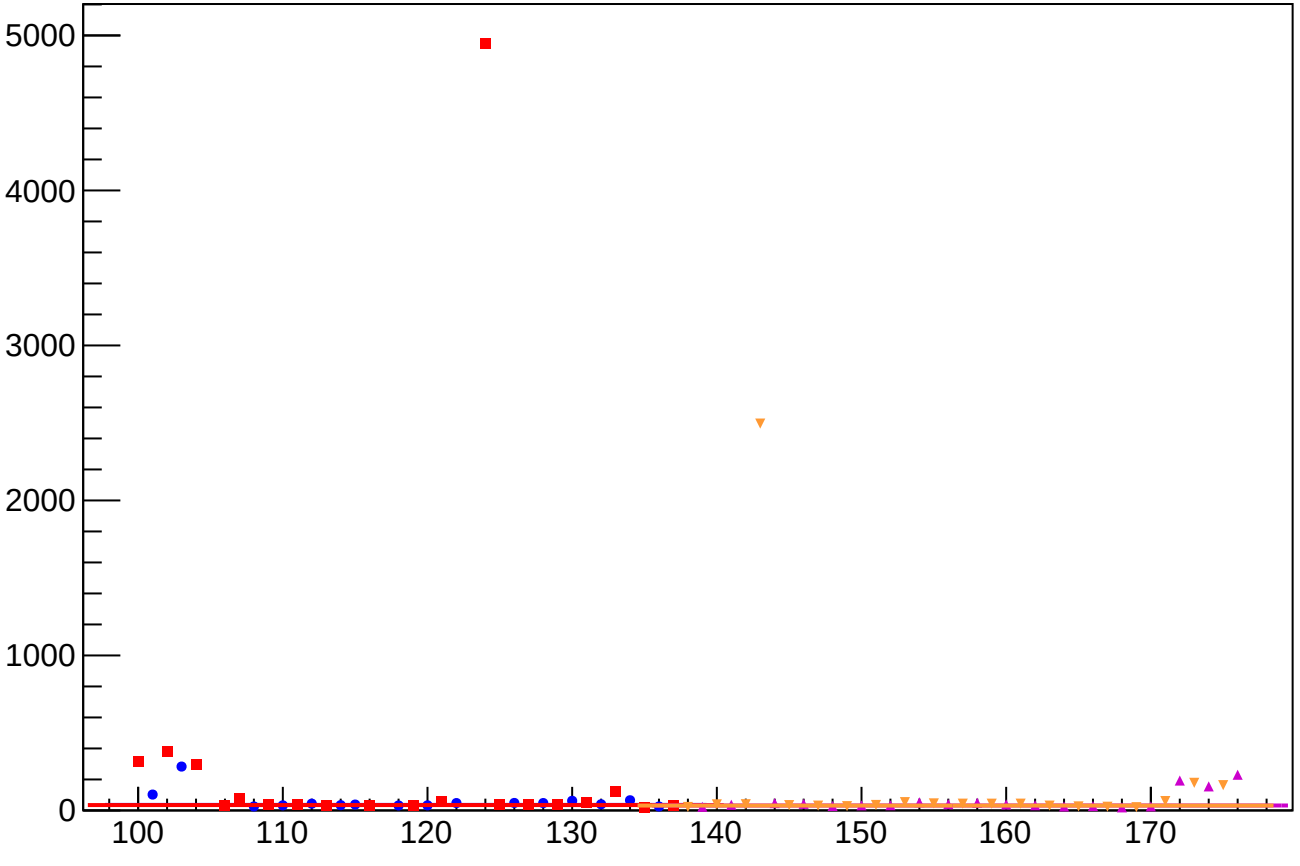
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

Left: 31.853+/-0.005 χ^2/NDF: 9949118.0/38

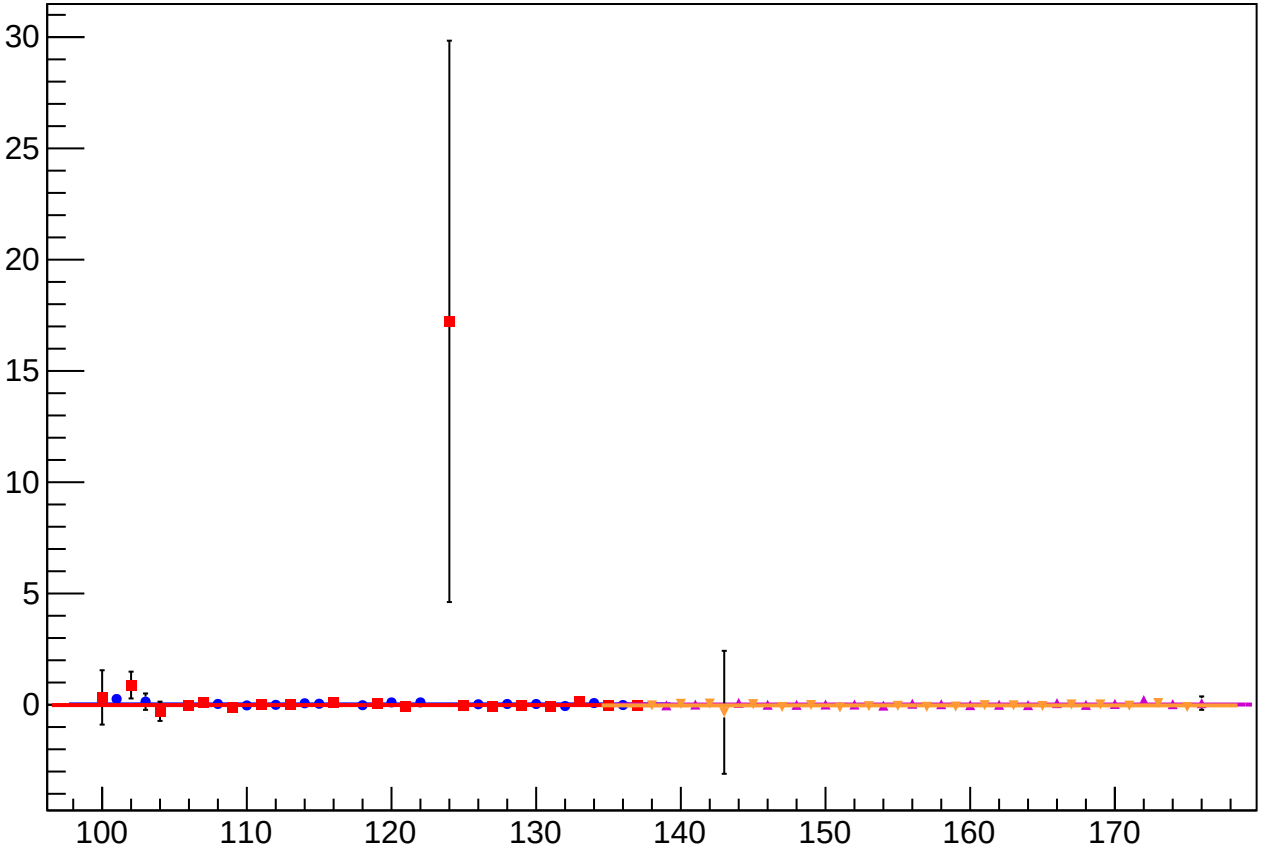
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

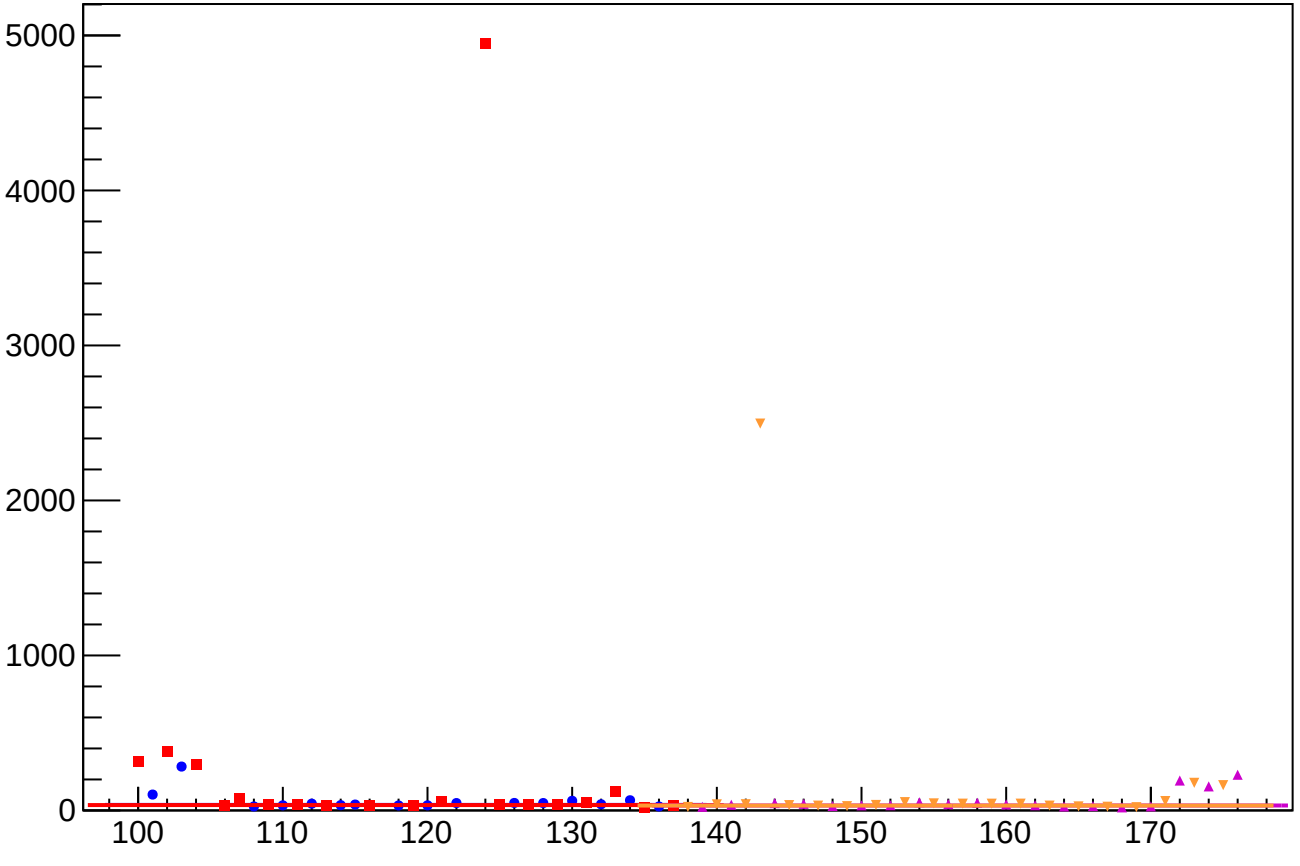
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318511.7/19

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

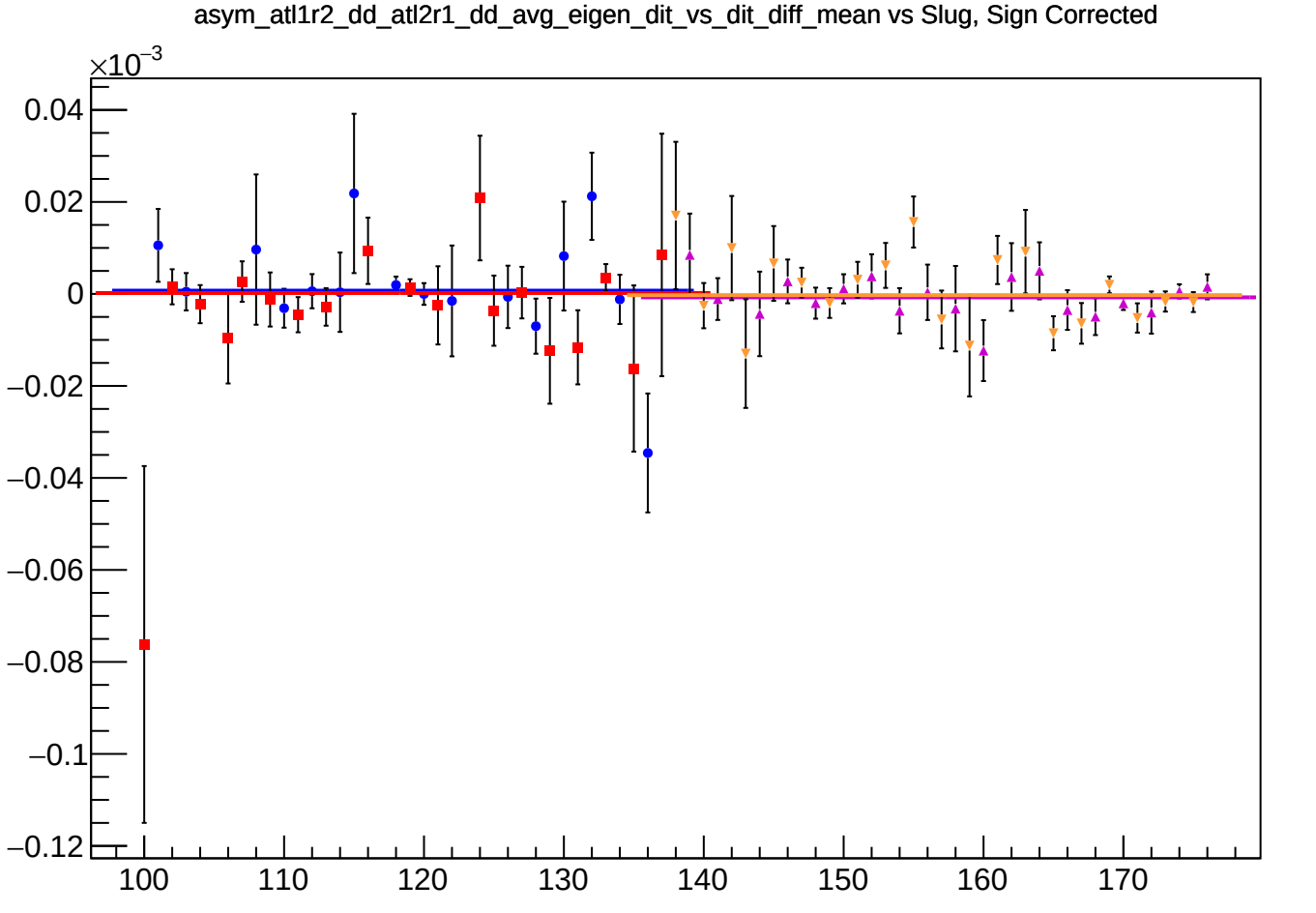
Left: 31.853+/-0.005 χ^2/NDF: 9949118.0/38

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.523+/-0.006 χ^2/NDF:8290810.0/38

All: 32.788+/-0.004 χ^2/NDF: 15272806.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

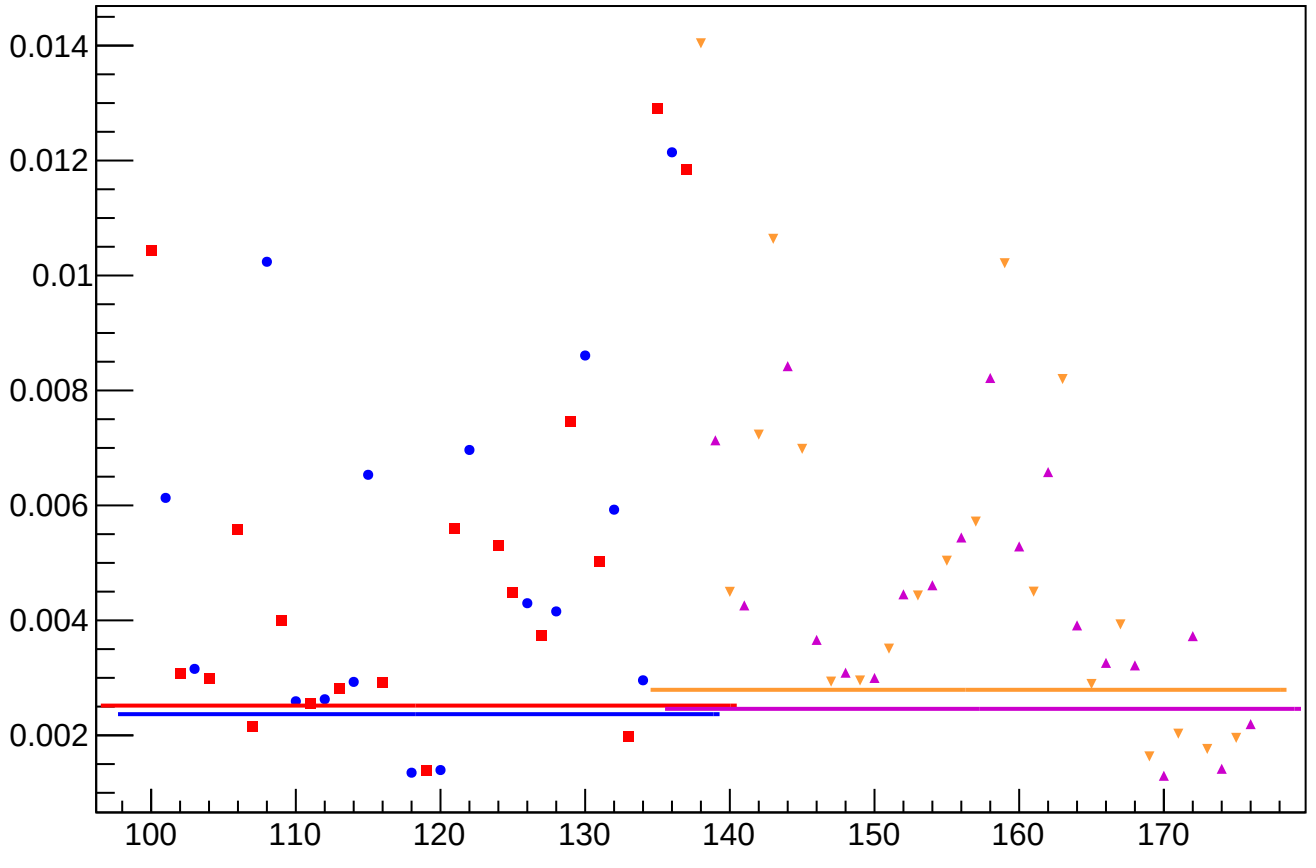
Left: -0.000+/-0.000 χ^2/NDF: 44.8/38

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/34

Out: -0.000+/-0.000 χ^2/NDF:50.6/38

All: -0.000+/-0.000 χ^2/NDF: 83.1/73



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7628338.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7563029.6/18

Left: 0.003+/-0.000 χ^2/NDF: 15361873.4/38

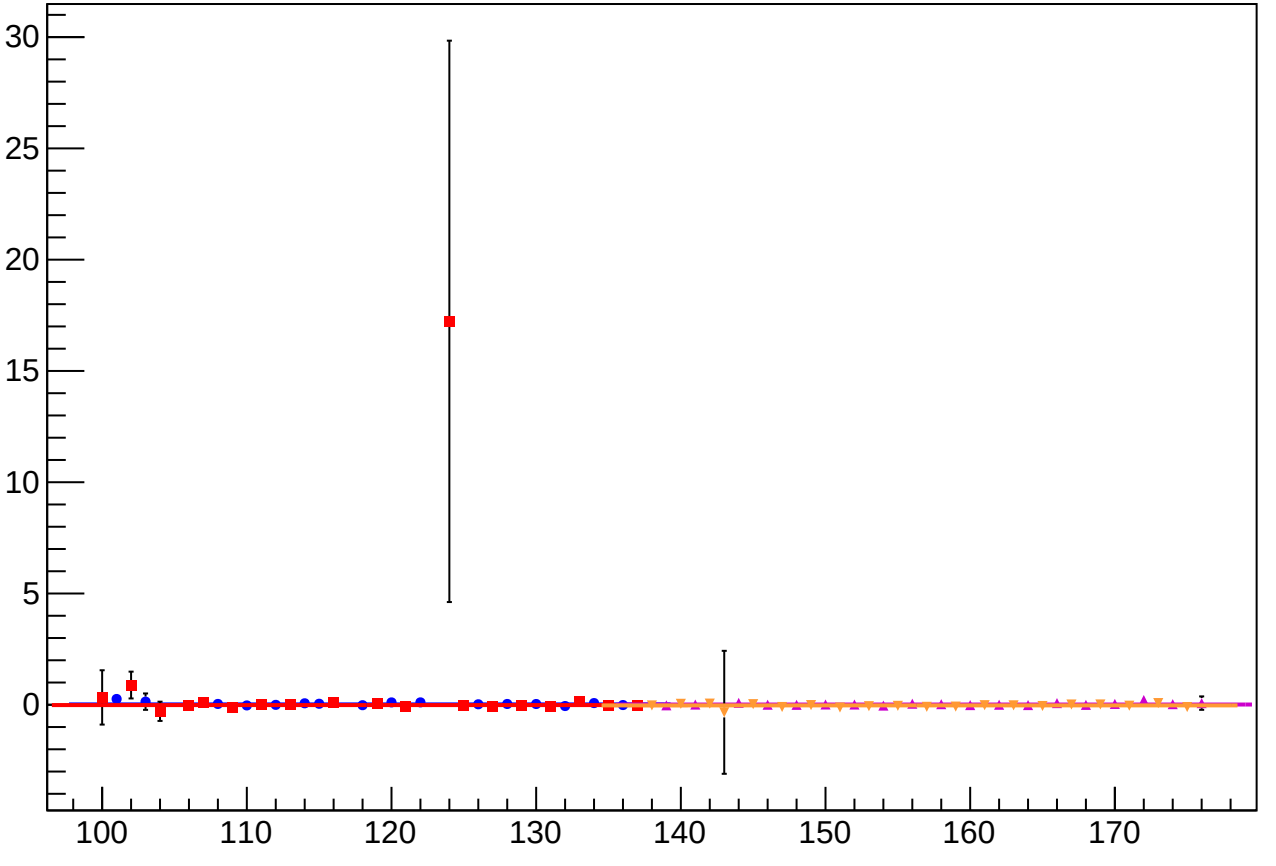
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12294052.4/34

Out: 0.003+/-0.000 χ^2/NDF:11108280.0/38

All: 0.003+/-0.000 χ^2/NDF: 23561191.5/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

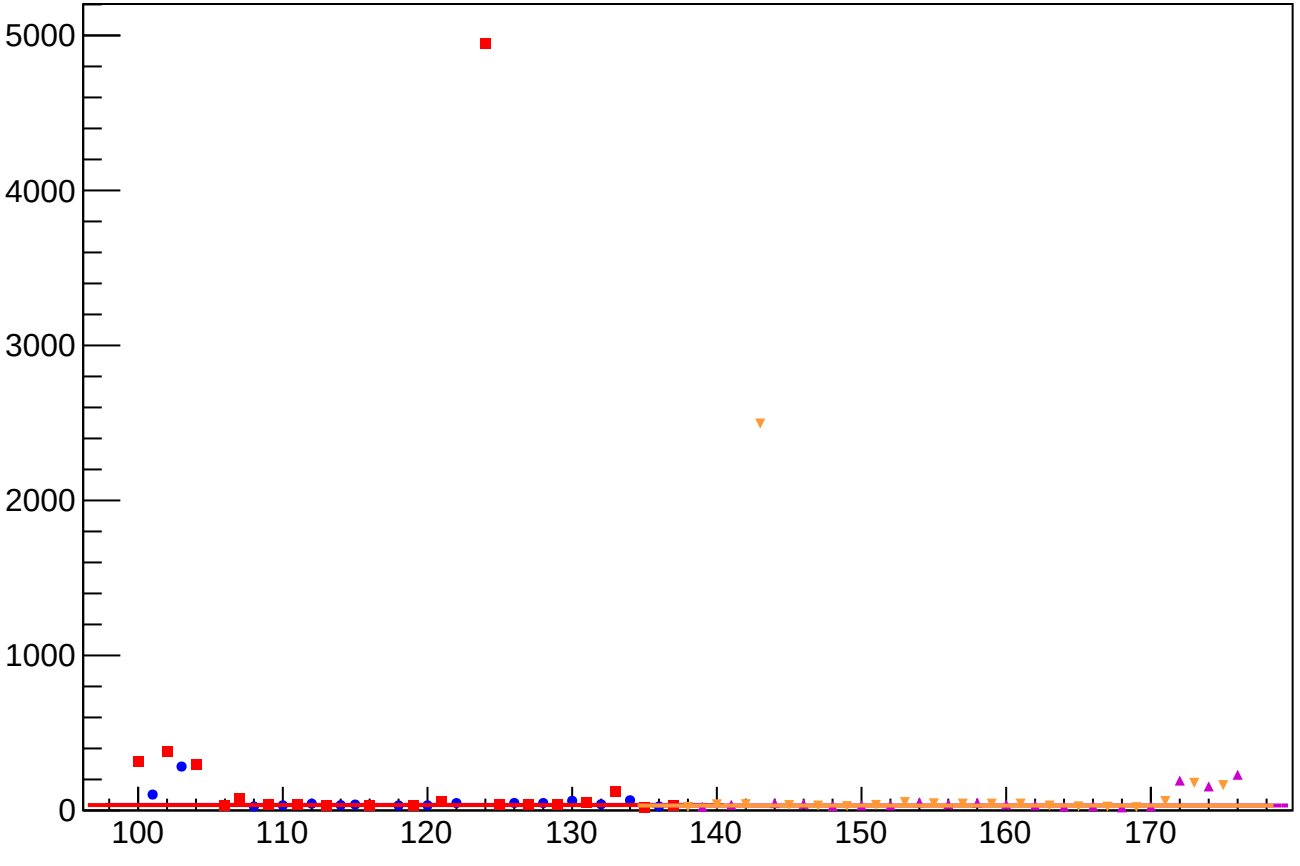
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

Left: 31.852+/-0.005 χ^2/NDF: 9949955.1/38

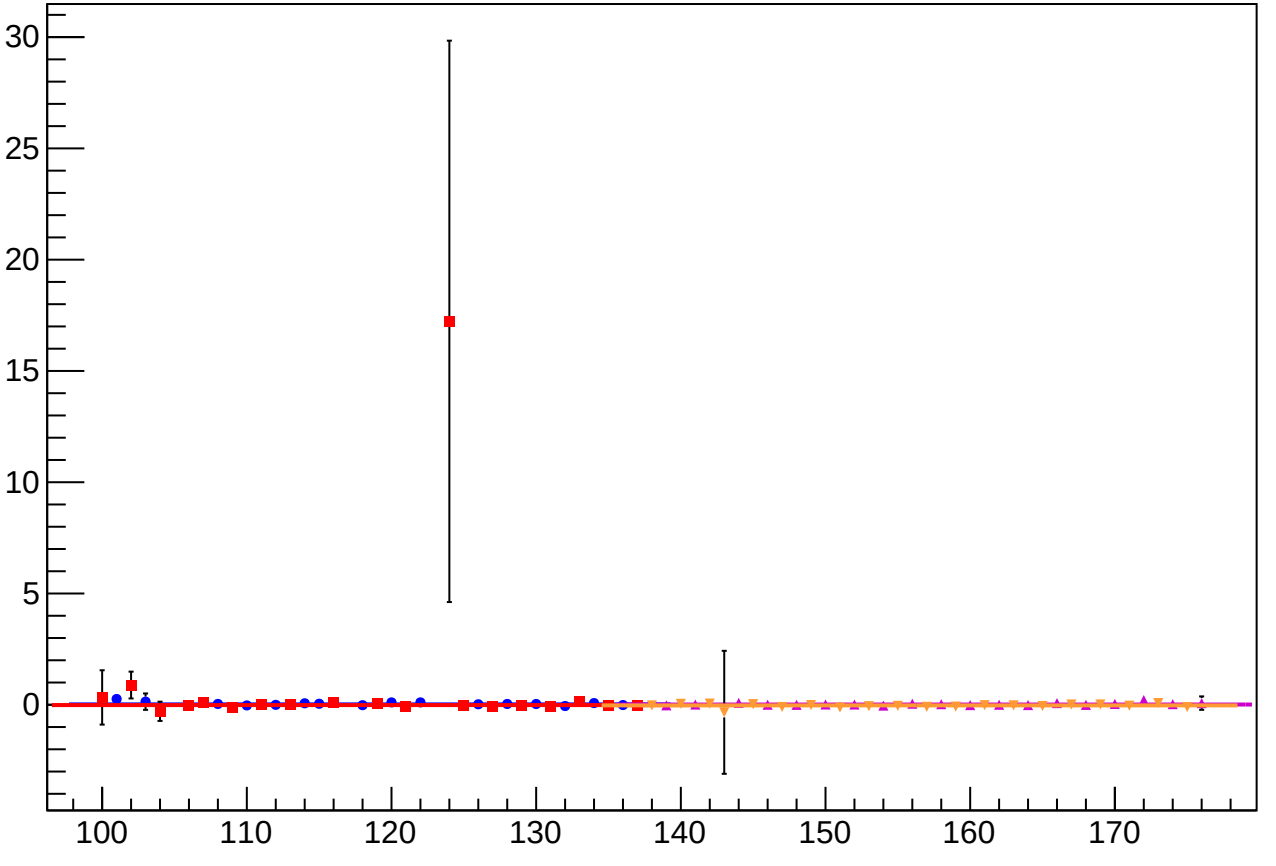
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73

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: -0.027+/-0.010 χ^2/NDF:23.8/19

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 42.8/38

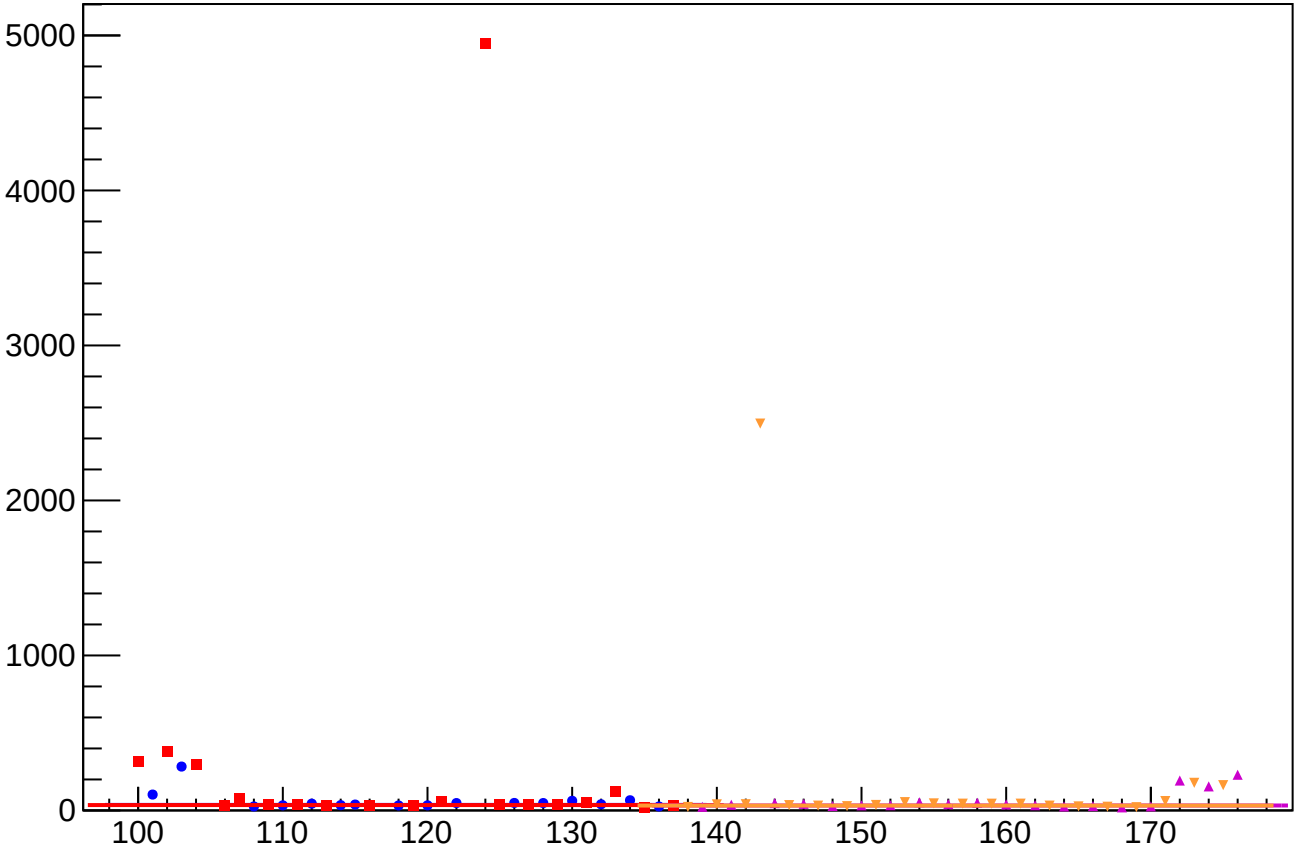
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:40.4/38

All: -0.005+/-0.006 χ^2/NDF: 72.8/73

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: 31.676+/-0.007 χ^2/NDF:5318765.4/19

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

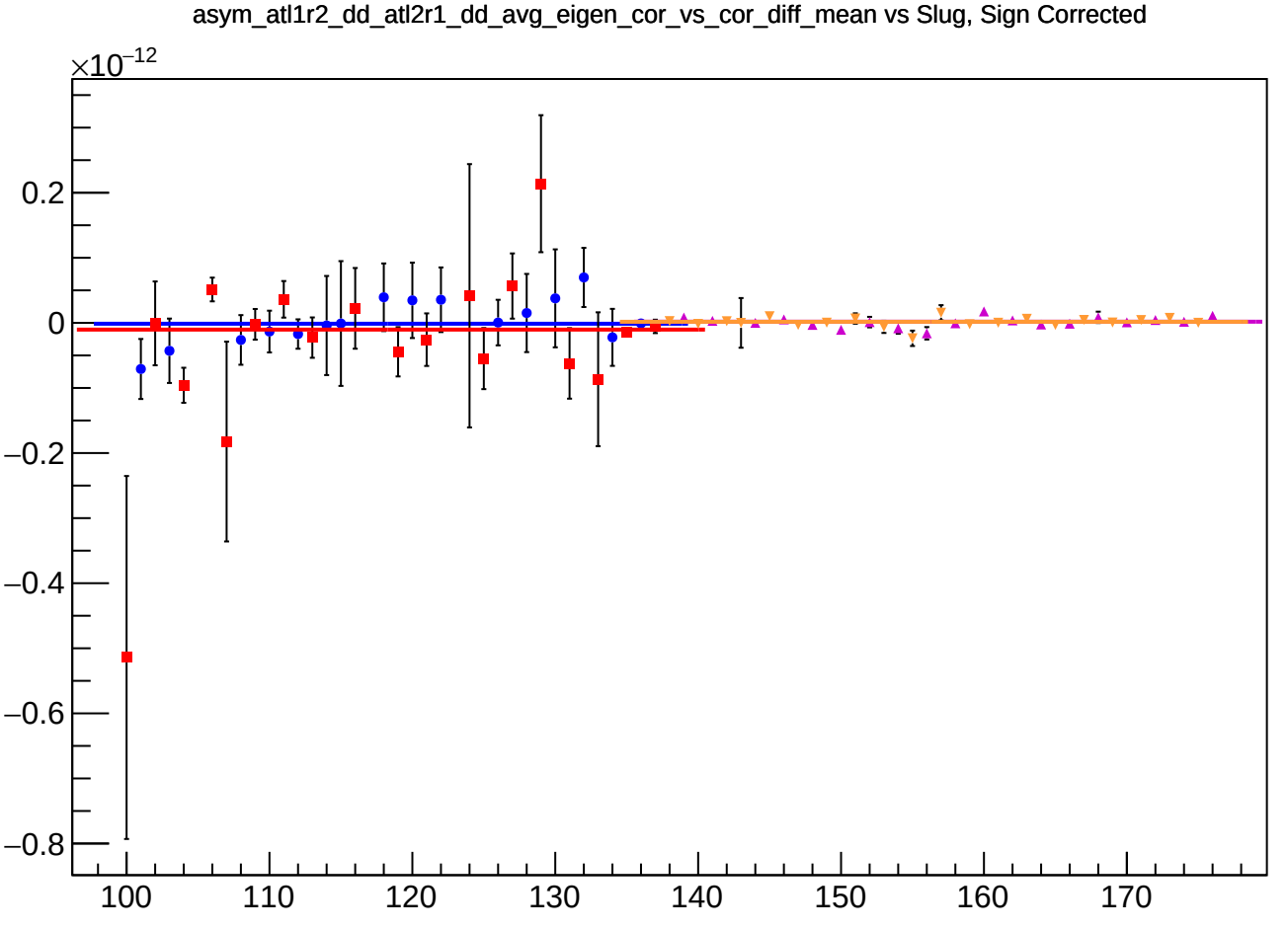
Left: 31.852+/-0.005 χ^2/NDF: 9949955.1/38

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

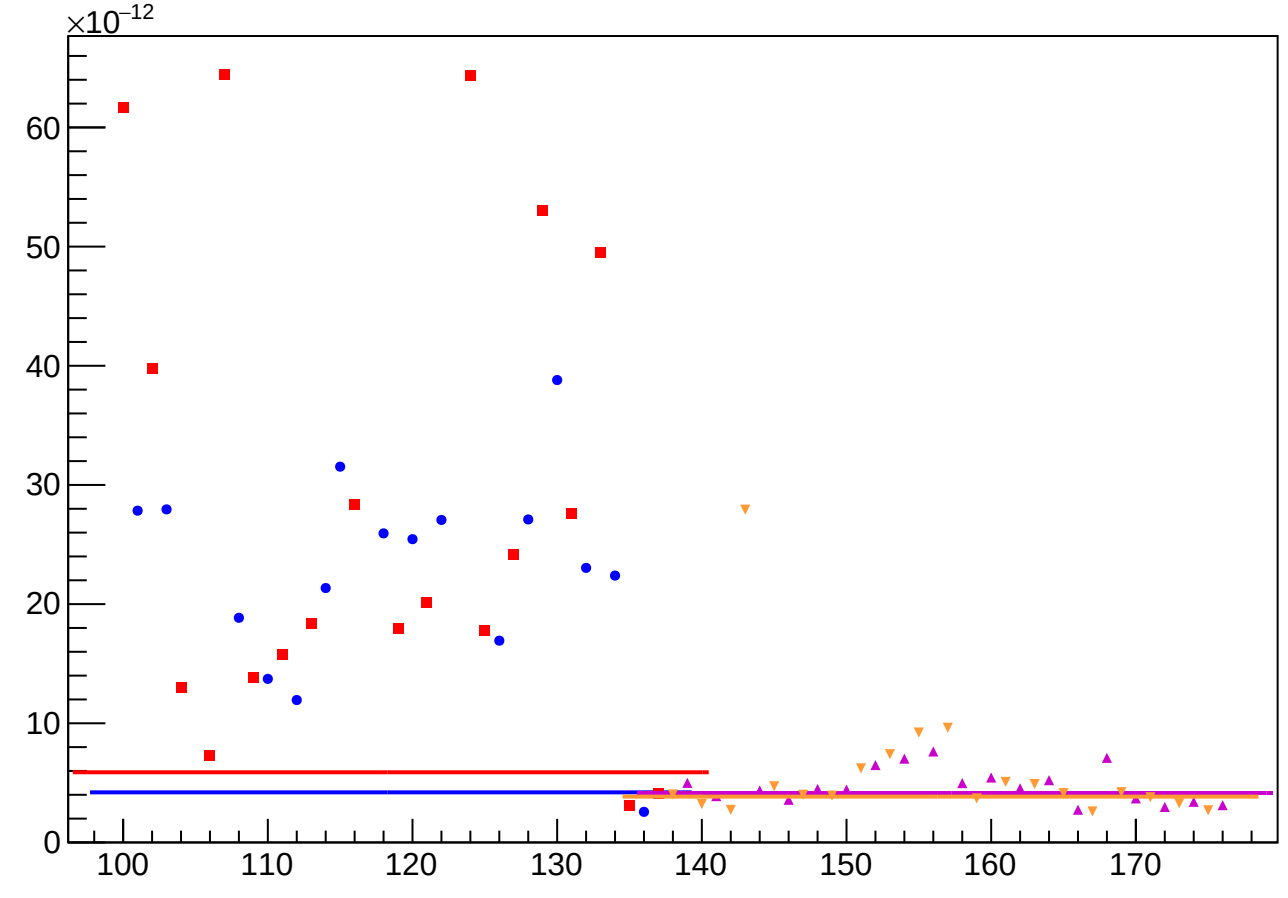
In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.523+/-0.006 χ^2/NDF:8290930.3/38

All: 32.788+/-0.004 χ^2/NDF: 15273356.0/73


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:14.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:22.9/18
Left: 0.000+/-0.000 χ²/NDF: 37.8/38
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:32.3/34
Out: 0.000+/-0.000 χ²/NDF:62.4/38
All: 0.000+/-0.000 χ²/NDF: 94.8/73

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2929001.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1659285.4/18

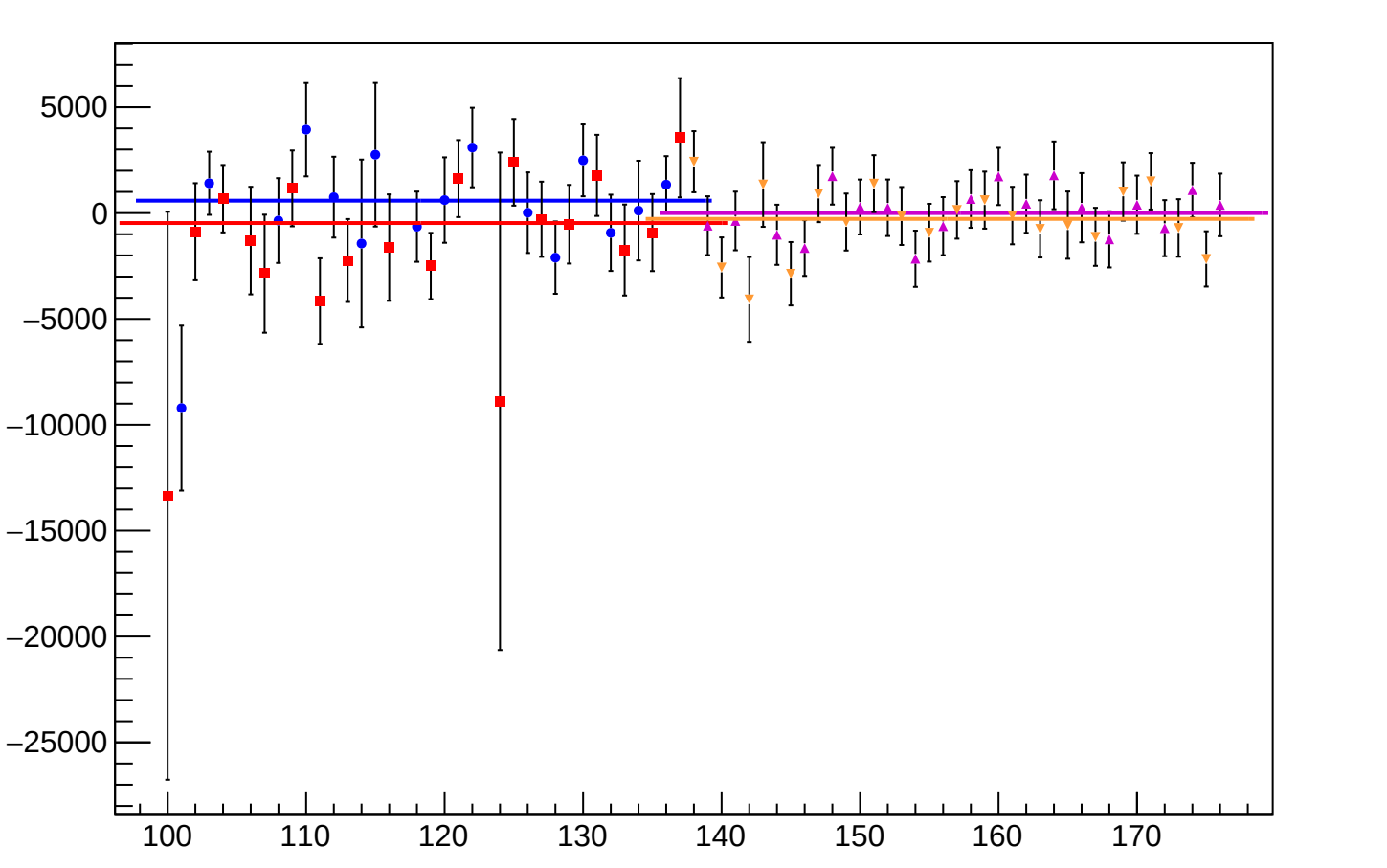
Left: 0.000+/-0.000 χ^2/NDF: 4644256.2/38

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6739969.7/34

Out: 0.000+/-0.000 χ^2/NDF:8228986.5/38

All: 0.000+/-0.000 χ^2/NDF: 14982393.7/73



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.039+/-316.543 χ^2/NDF:21.9/19

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 1.147+/-315.722 χ^2/NDF:12.2/18

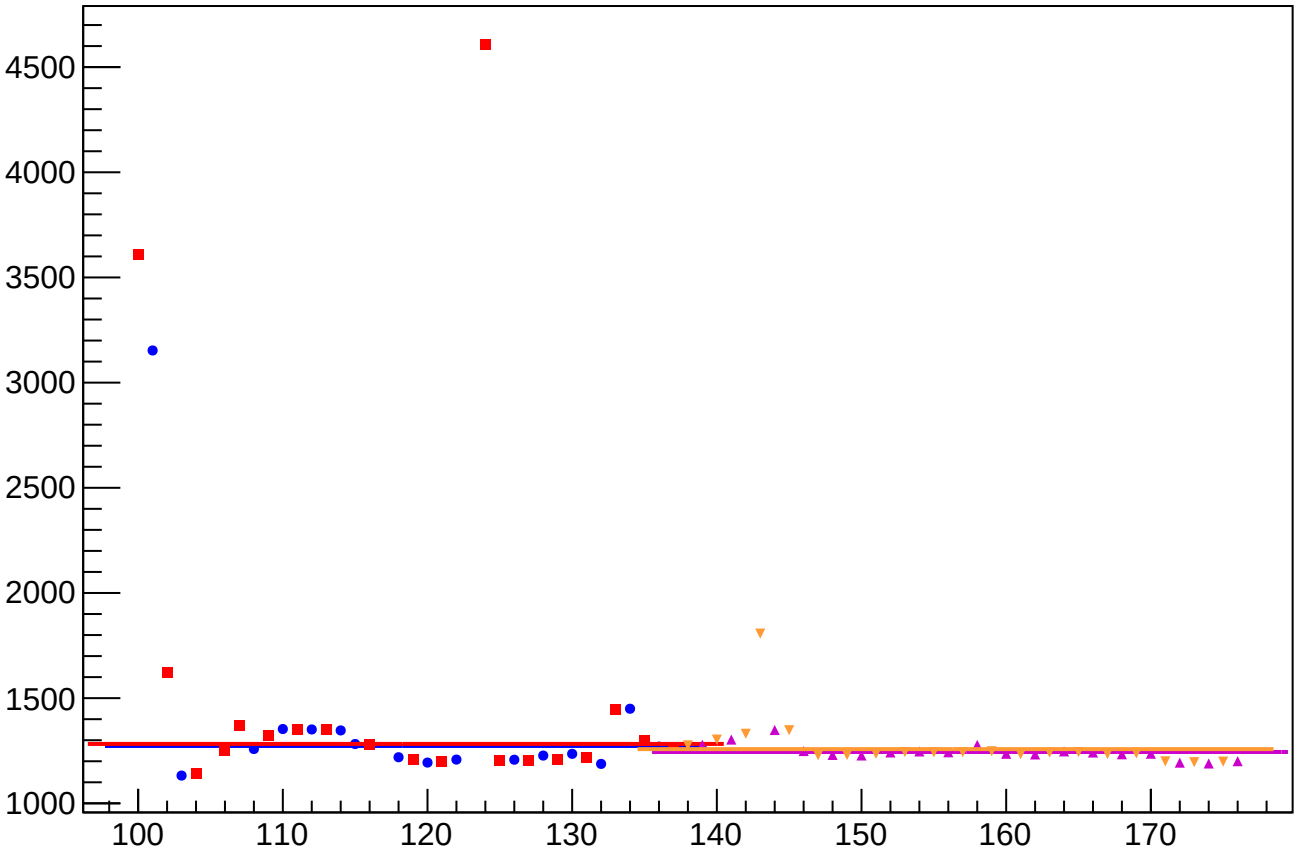
Left: -136.587+/-223.539 χ^2/NDF: 34.5/38

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 176.802+/-264.178 χ^2/NDF:30.3/34

Out: -333.742+/-264.341 χ^2/NDF:38.9/38

All: -78.313+/-186.860 χ^2/NDF: 71.1/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1257.670+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

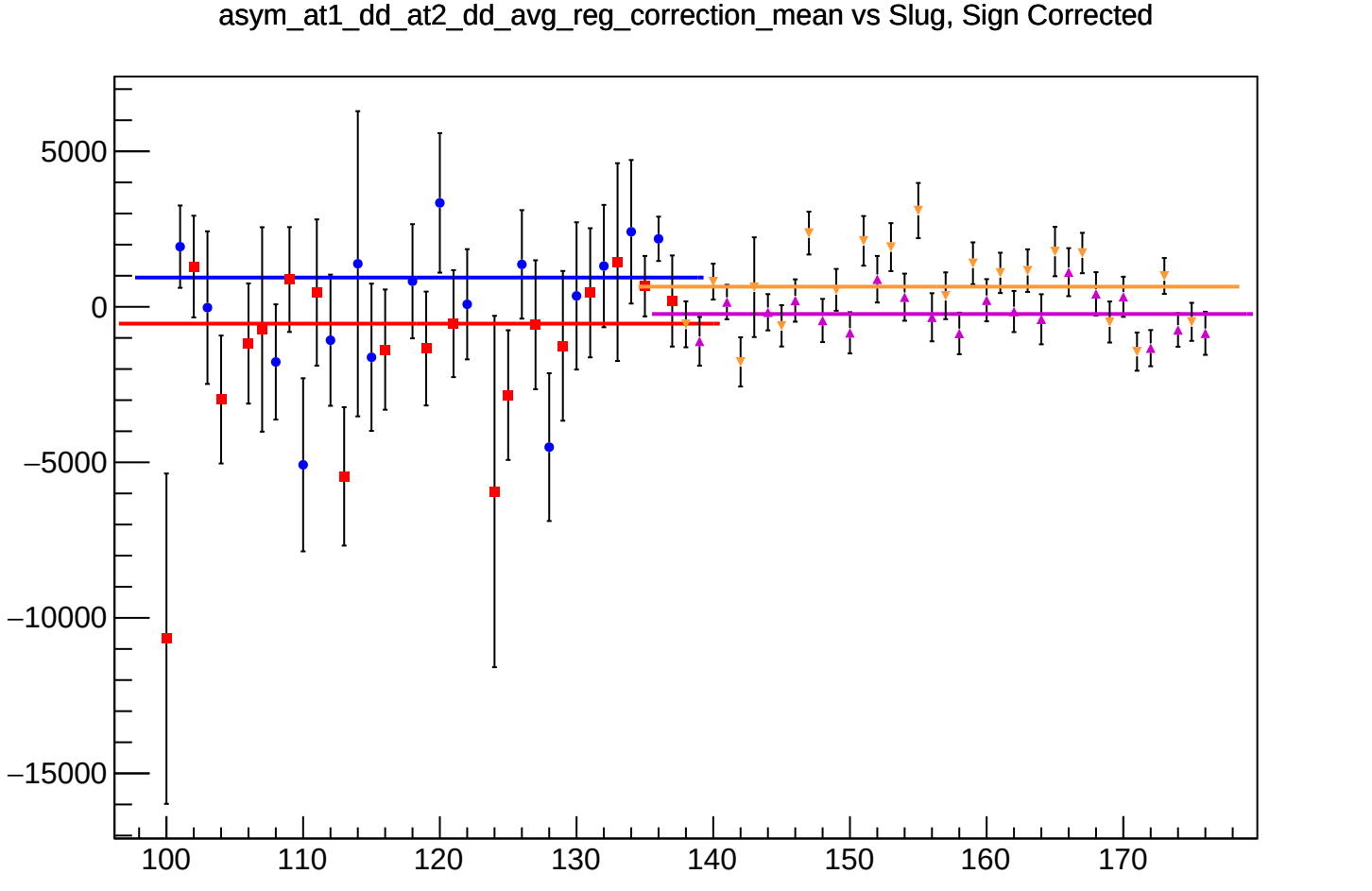
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1252.732+/-0.187 χ^2/NDF:550445.7/34

Out: 1265.144+/-0.187 χ^2/NDF:506240.9/38

All: 1258.934+/-0.132 χ^2/NDF: 1058892.5/73



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 648.548+/-156.178 χ^2/NDF:61.2/19

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -230.589+/-153.626 χ^2/NDF:17.1/18

Left: 201.738+/-109.521 χ^2/NDF: 94.4/38

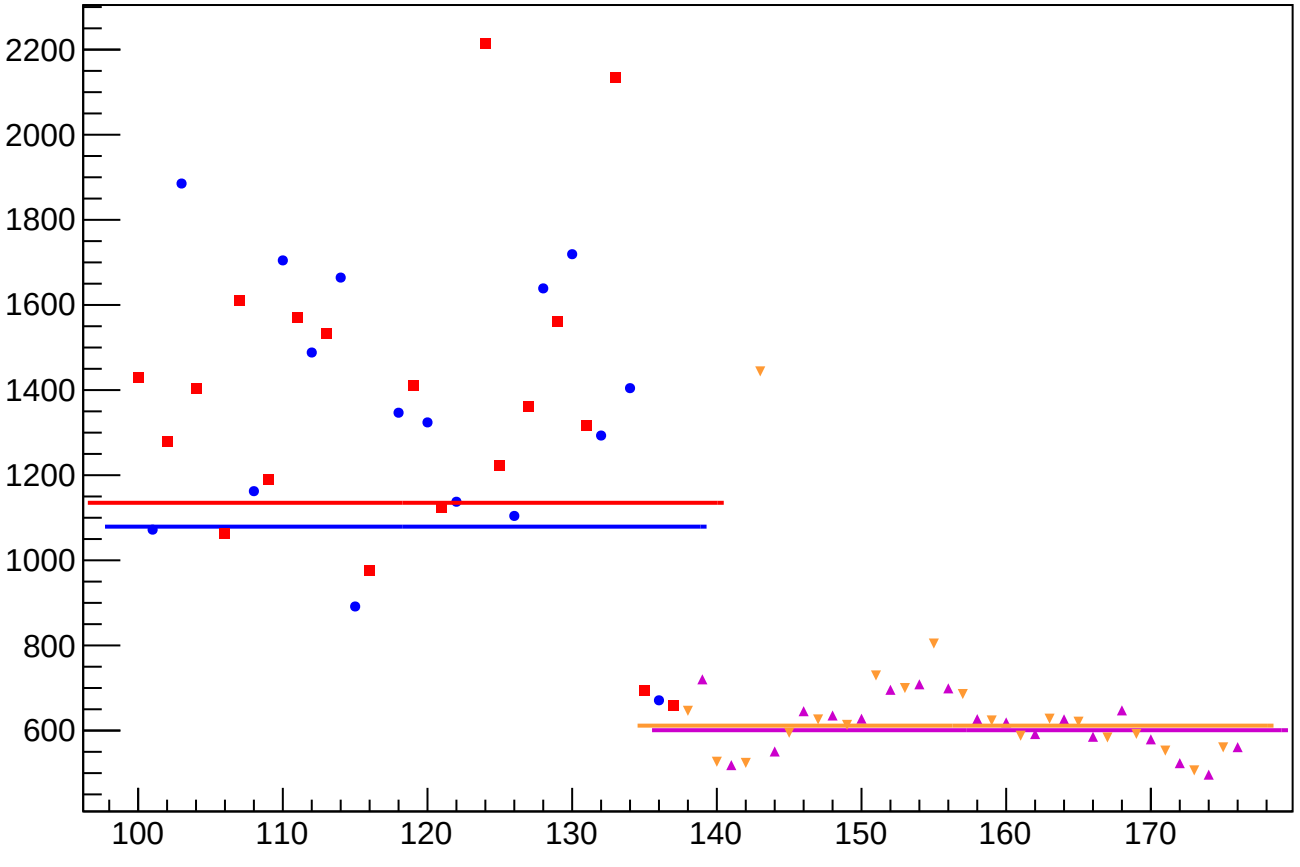
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -95.580+/-144.510 χ^2/NDF:43.7/34

Out: 515.438+/-147.178 χ^2/NDF:84.9/38

All: 204.341+/-103.114 χ^2/NDF: 137.3/73

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: 611.556+/-0.110 χ^2/NDF:905743.8/19

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

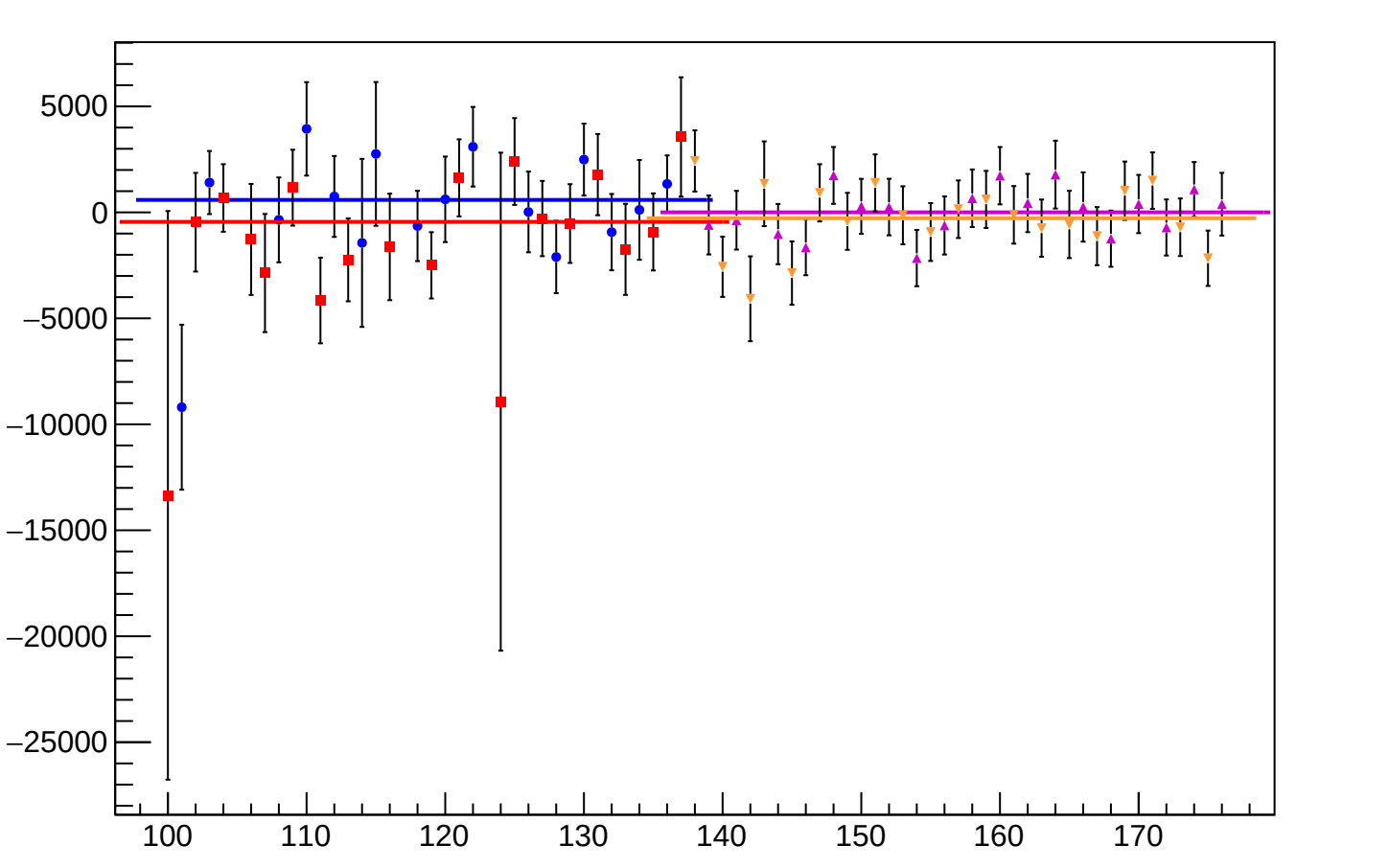
Left: 606.089+/-0.077 χ^2/NDF: 1272969.8/38

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 655.884+/-0.102 χ^2/NDF:4077412.1/34

Out: 670.166+/-0.104 χ^2/NDF:4715132.6/38

All: 662.894+/-0.073 χ^2/NDF: 8802134.5/73



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

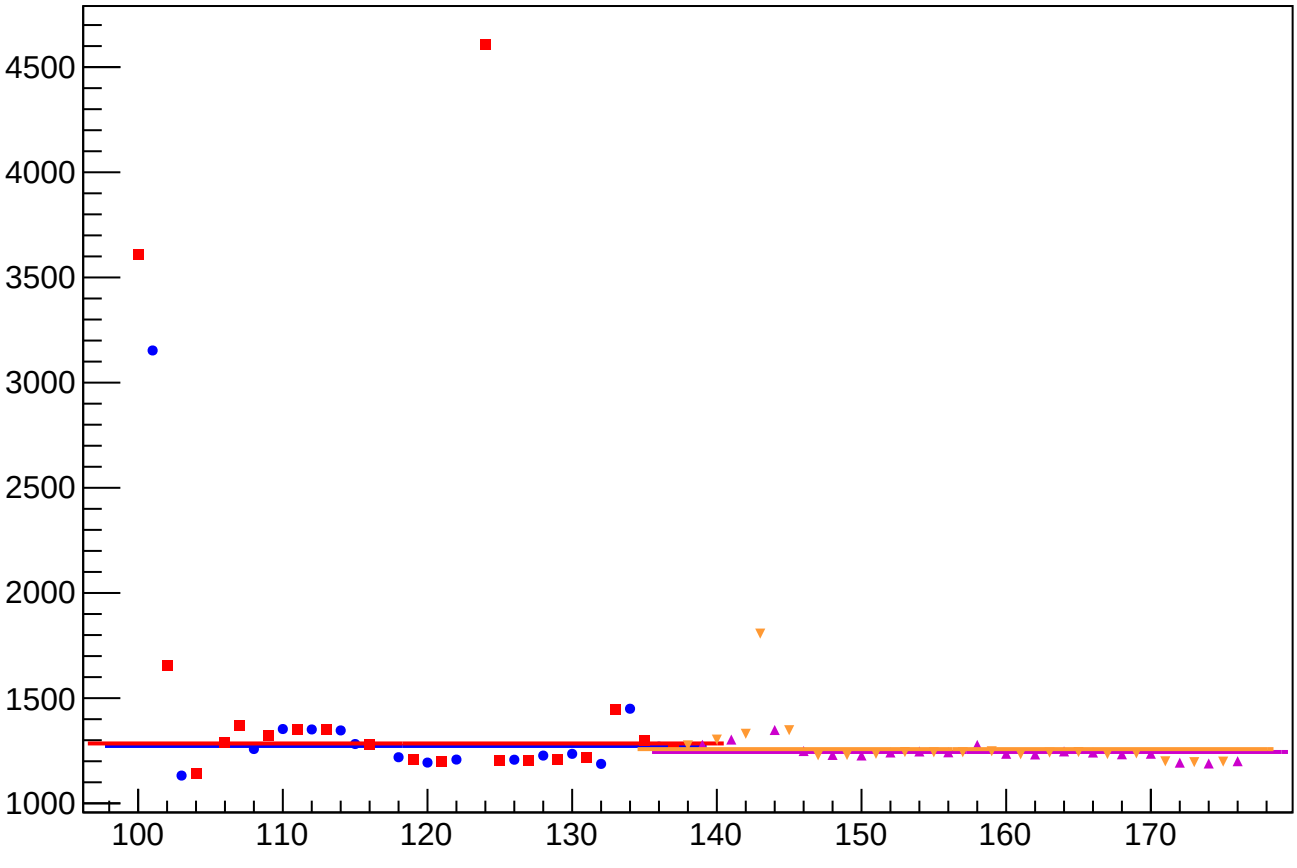
Left: -136.636+/-223.539 χ^2/NDF: 34.5/38

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -74.992+/-186.908 χ^2/NDF: 70.9/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

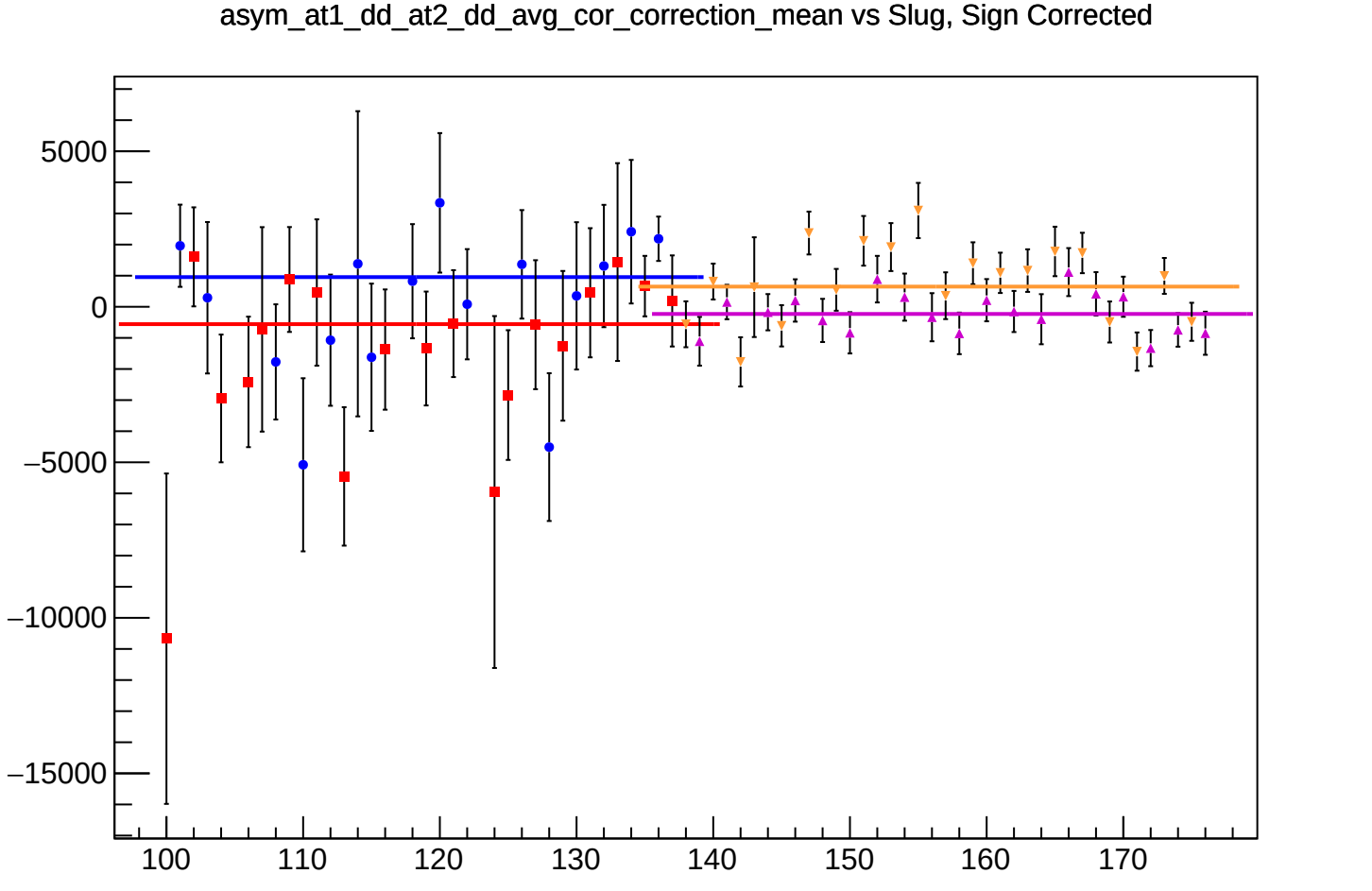
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

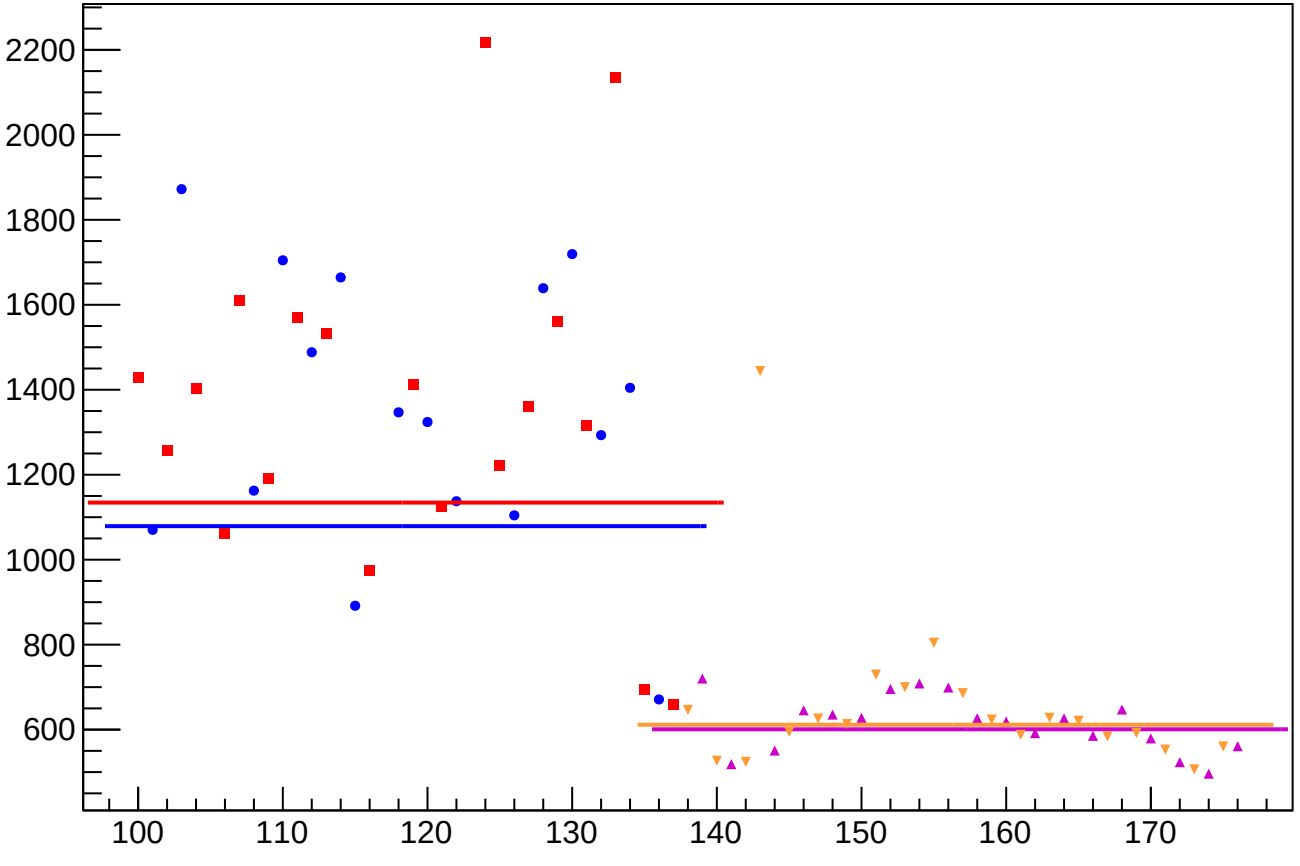
In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73


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: 648.568+/-156.179 χ²/NDF:61.2/19
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -230.565+/-153.625 χ²/NDF:17.1/18
Left: 201.756+/-109.521 χ²/NDF: 94.4/38
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -94.033+/-144.502 χ²/NDF:43.8/34
Out: 513.980+/-147.210 χ²/NDF:86.3/38
All: 204.330+/-103.123 χ²/NDF: 138.7/73

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: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

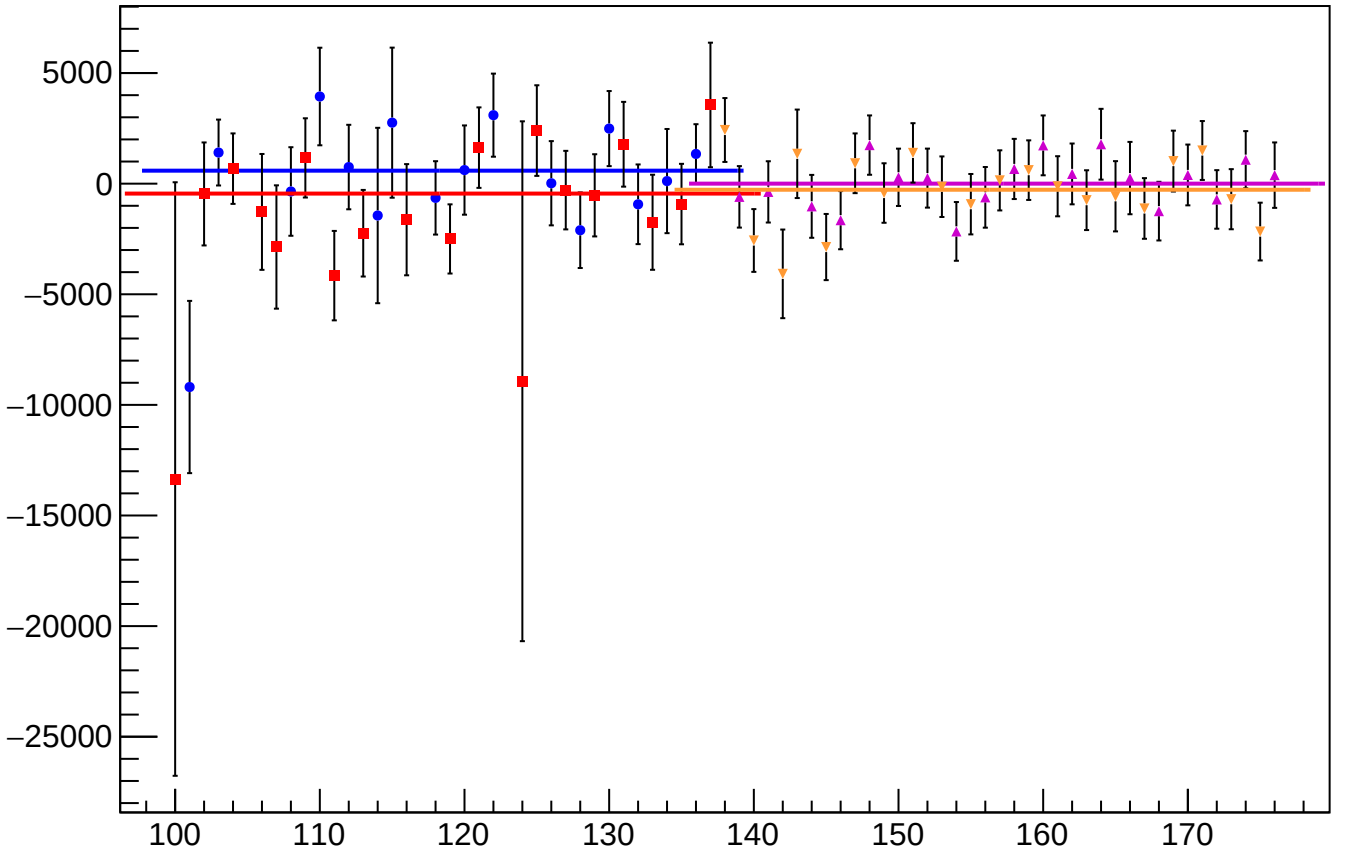
Left: 606.089+/-0.077 χ^2/NDF: 1272949.4/38

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -275.098+/-316.543 χ^2/NDF:21.9/19

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

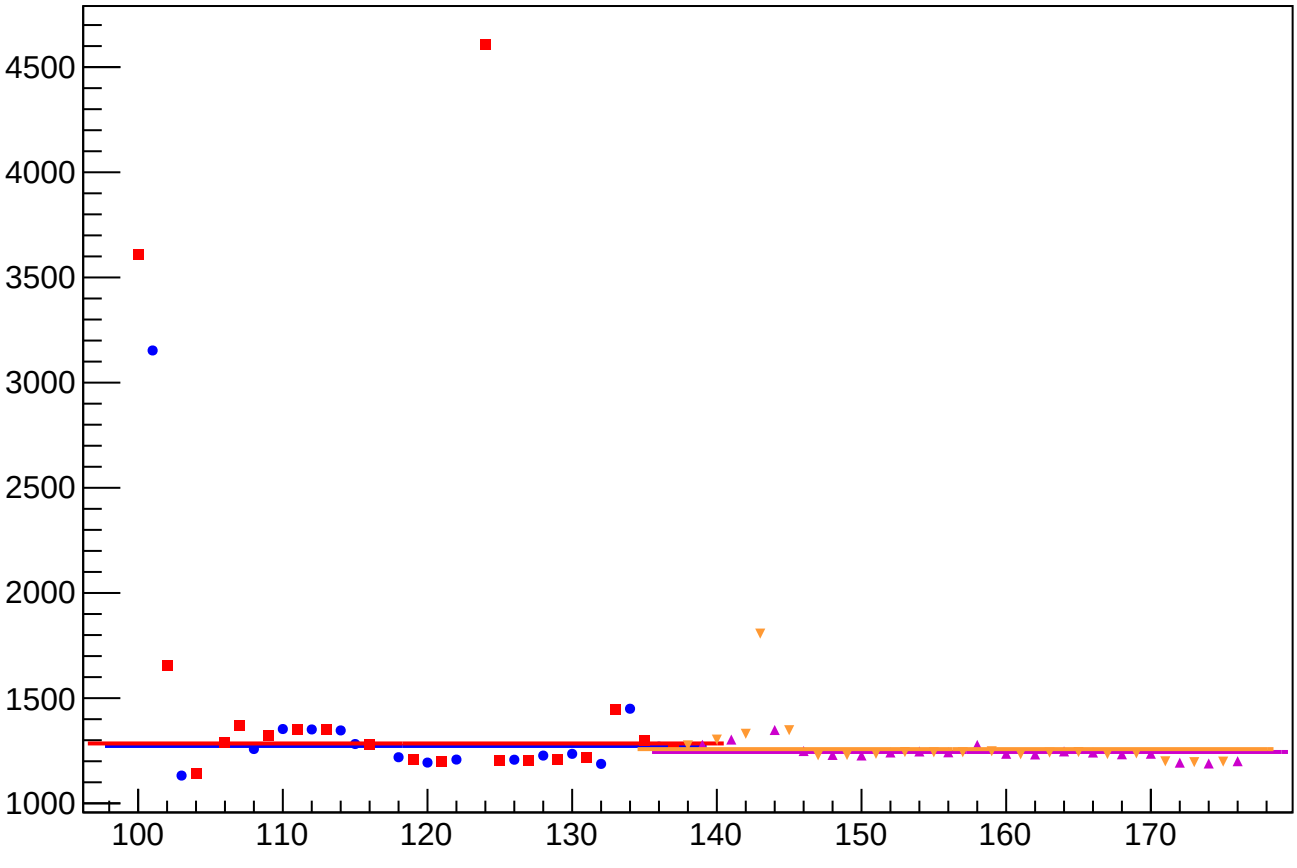
Left: -136.636+/-223.539 χ^2/NDF: 34.5/38

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -327.424+/-264.477 χ^2/NDF:38.8/38

All: -74.992+/-186.908 χ^2/NDF: 70.9/73



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1257.671+/-0.224 χ^2/NDF:180478.6/19

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

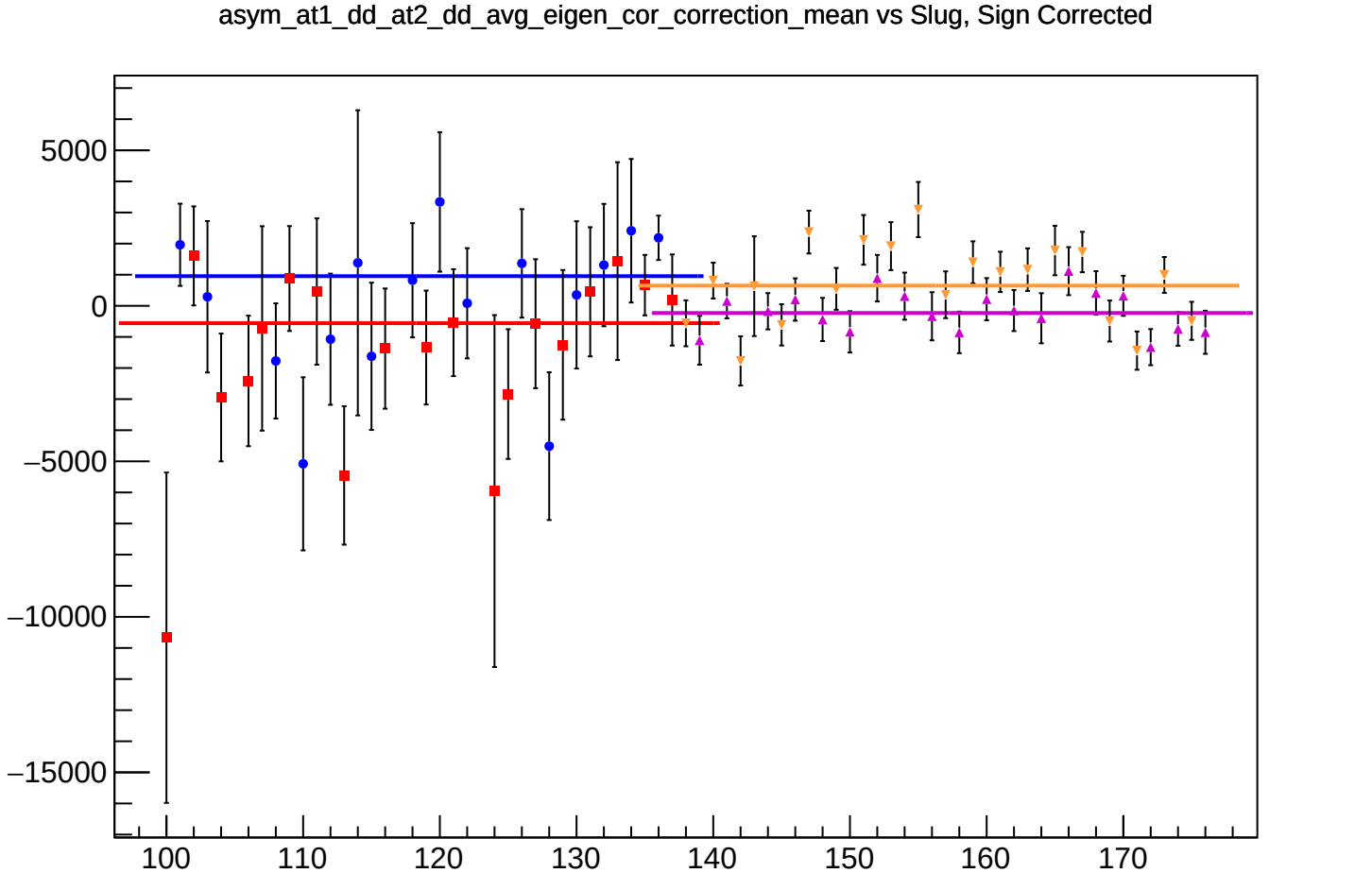
Left: 1250.886+/-0.158 χ^2/NDF: 208514.4/38

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1265.817+/-0.187 χ^2/NDF:513601.5/38

All: 1259.267+/-0.132 χ^2/NDF: 1066499.1/73



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 648.568+/-156.179 χ^2/NDF:61.2/19

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -230.565+/-153.625 χ^2/NDF:17.1/18

Left: 201.756+/-109.521 χ^2/NDF: 94.4/38

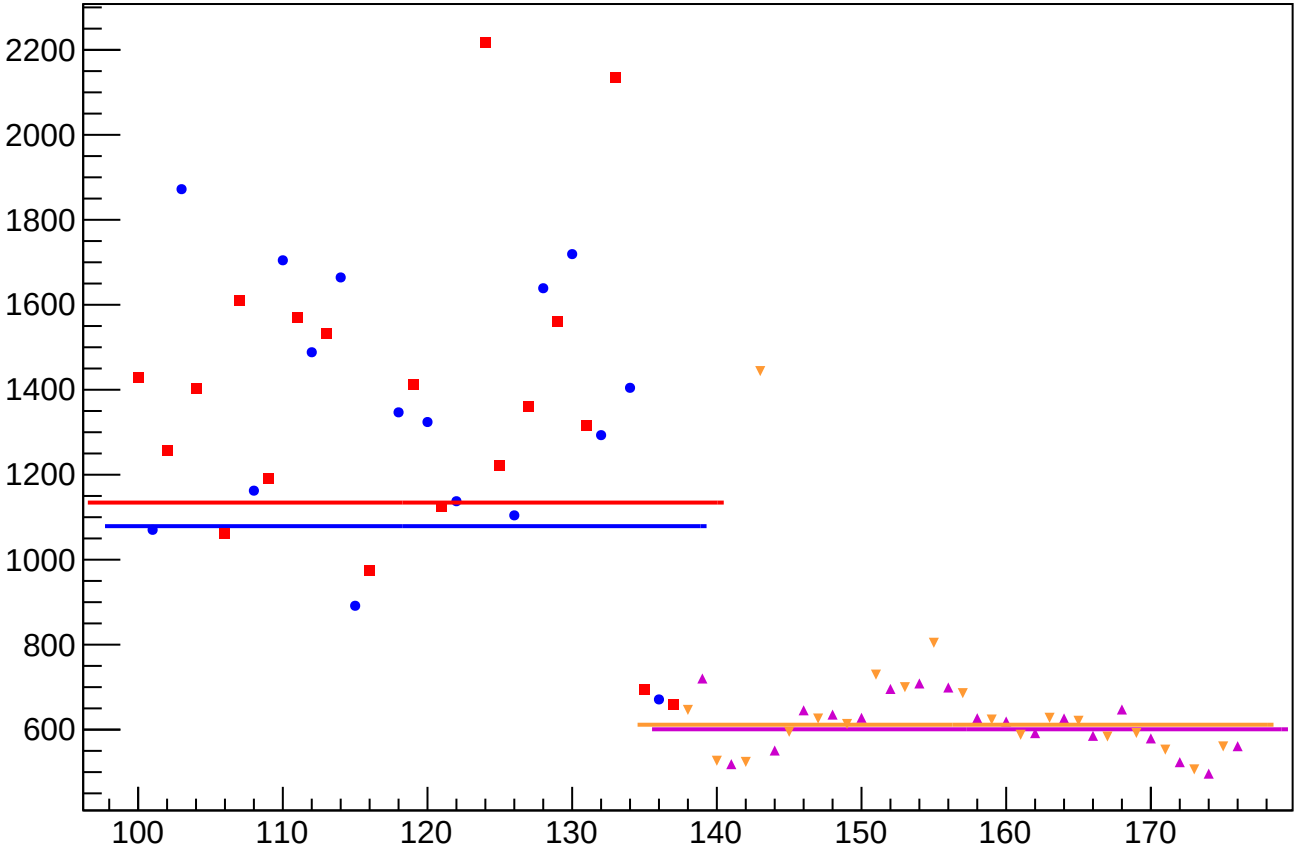
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -94.033+/-144.502 χ^2/NDF:43.8/34

Out: 513.980+/-147.210 χ^2/NDF:86.3/38

All: 204.330+/-103.123 χ^2/NDF: 138.7/73

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: 611.559+/-0.110 χ^2/NDF:905692.9/19

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

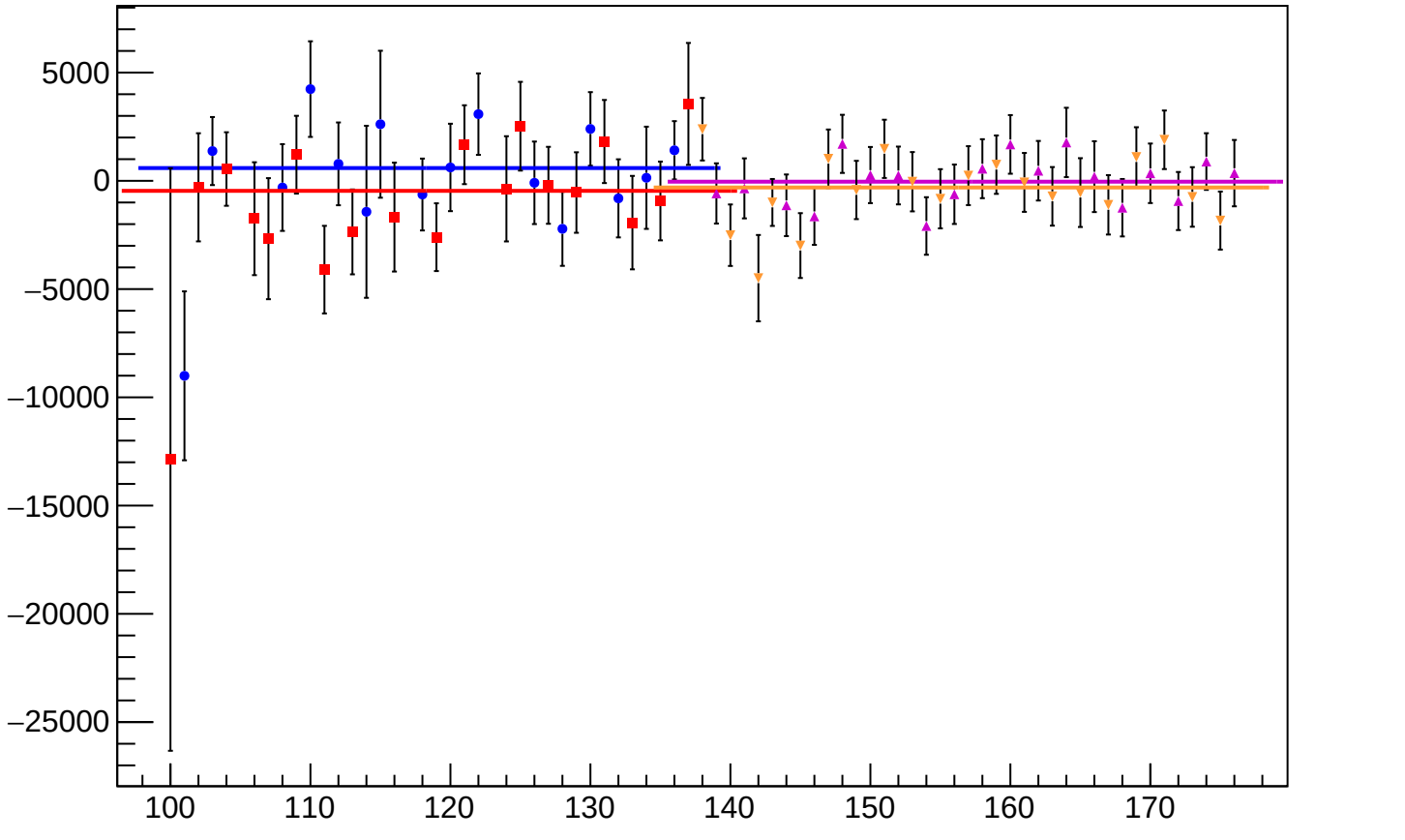
Left: 606.089+/-0.077 χ^2/NDF: 1272949.4/38

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 669.886+/-0.104 χ^2/NDF:4695211.3/38

All: 662.762+/-0.073 χ^2/NDF: 8778251.2/73



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -307.984+/-308.452 χ^2/NDF:23.2/19

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

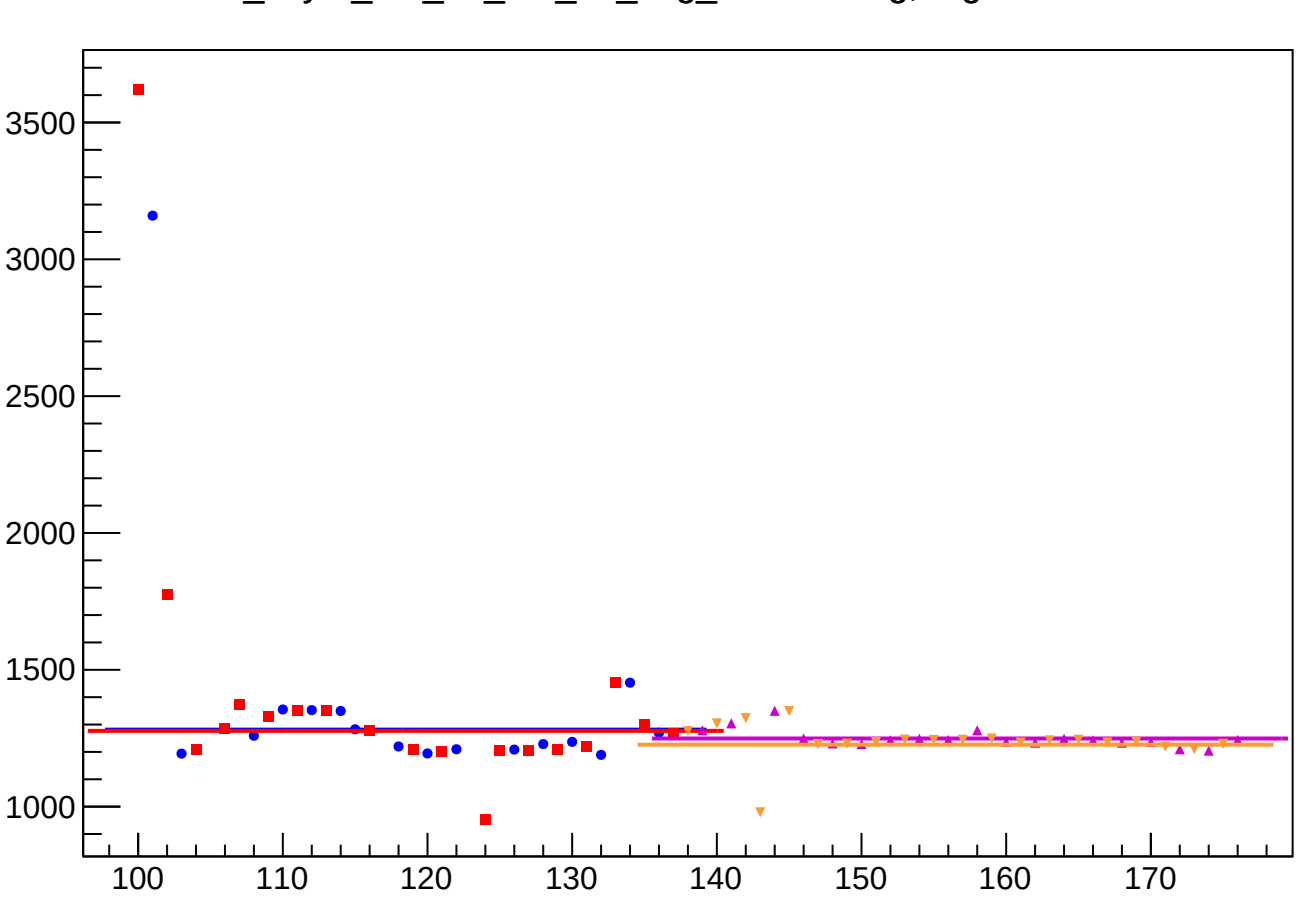
Left: -177.405+/-221.042 χ^2/NDF: 35.3/38

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 148.654+/-265.380 χ^2/NDF:30.1/34

Out: -353.603+/-258.983 χ^2/NDF:40.0/38

All: -108.602+/-185.349 χ^2/NDF: 71.9/73



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133269.0/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

Left: 1237.371+/-0.156 χ^2/NDF: 159556.8/38

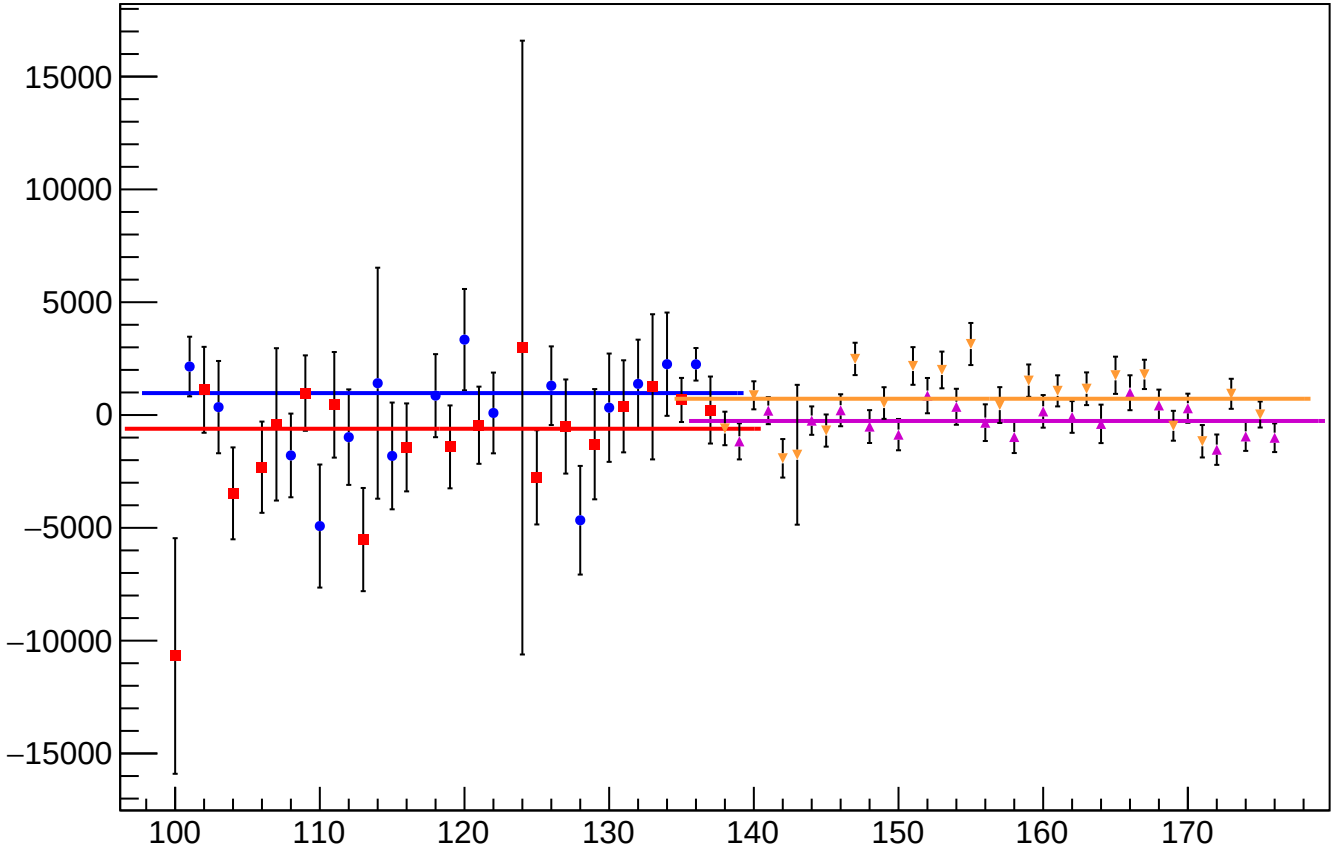
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534411.9/34

Out: 1241.285+/-0.183 χ^2/NDF:369577.2/38

All: 1249.751+/-0.131 χ^2/NDF: 908371.2/73

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 721.544+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.669+/-162.125 χ^2/NDF:17.7/18

Left: 220.503+/-115.617 χ^2/NDF: 89.6/38

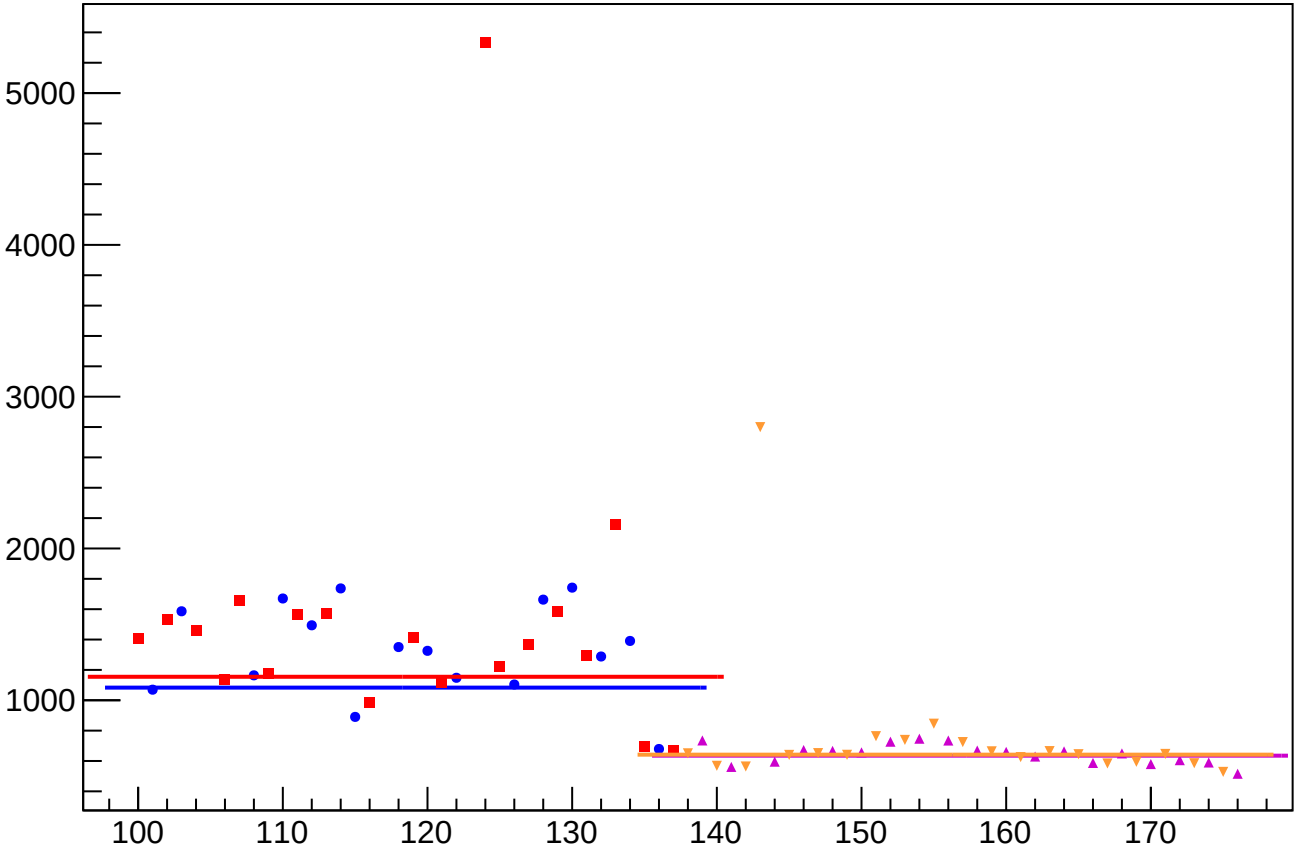
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -106.802+/-151.487 χ^2/NDF:45.6/34

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 220.770+/-108.256 χ^2/NDF: 133.8/73

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: 641.607+/-0.117 χ^2/NDF:1326091.2/19

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

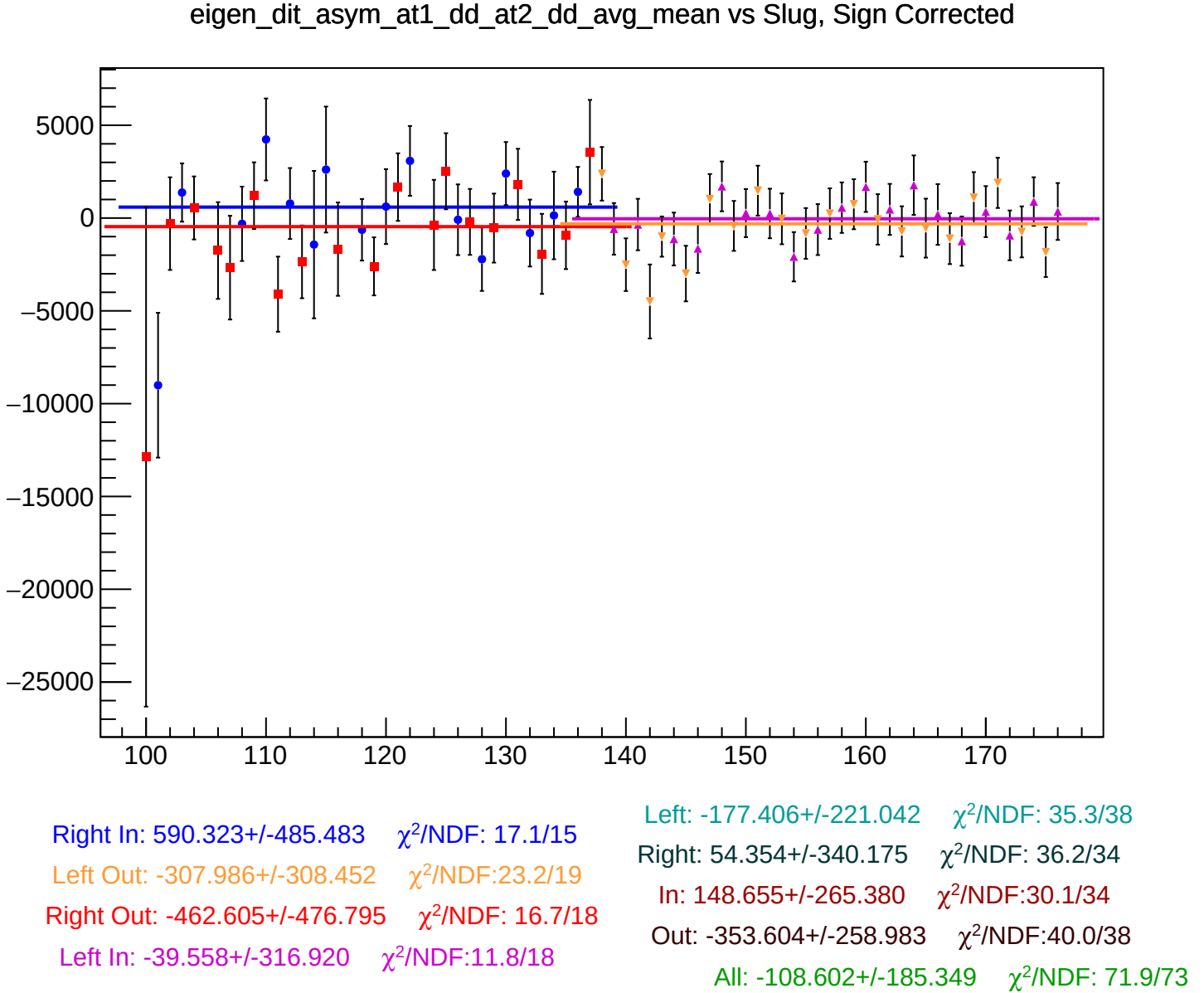
Left: 638.231+/-0.082 χ^2/NDF: 1621964.9/38

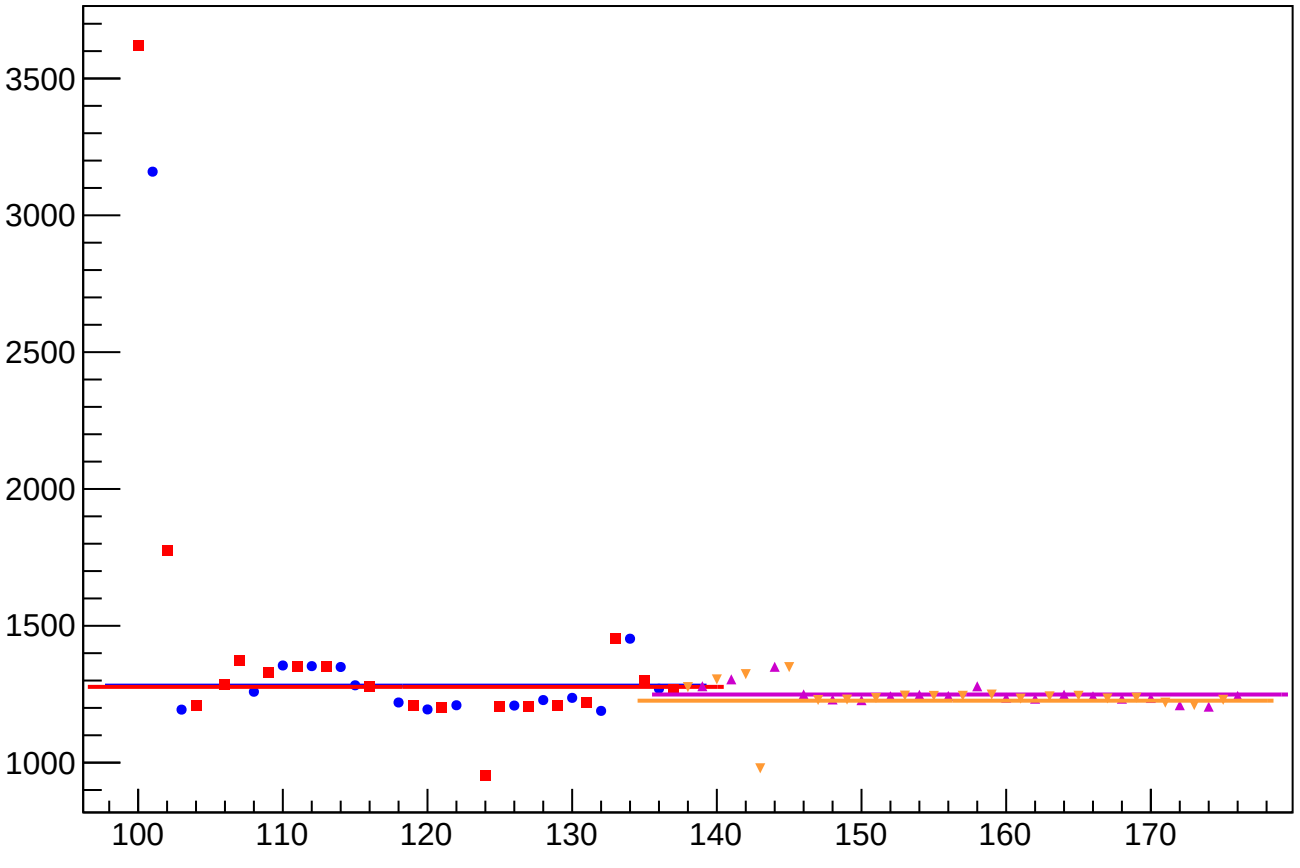
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 691.875+/-0.107 χ^2/NDF:3595827.9/34

Out: 702.911+/-0.109 χ^2/NDF:5127341.7/38

All: 697.275+/-0.077 χ^2/NDF: 8728364.1/73


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: -307.986+/-308.452 χ²/NDF:23.2/19
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -39.558+/-316.920 χ²/NDF:11.8/18
Left: -177.406+/-221.042 χ²/NDF: 35.3/38
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 148.655+/-265.380 χ²/NDF:30.1/34
Out: -353.604+/-258.983 χ²/NDF:40.0/38
All: -108.602+/-185.349 χ²/NDF: 71.9/73



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.396+/-0.218 χ^2/NDF:133268.3/19

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

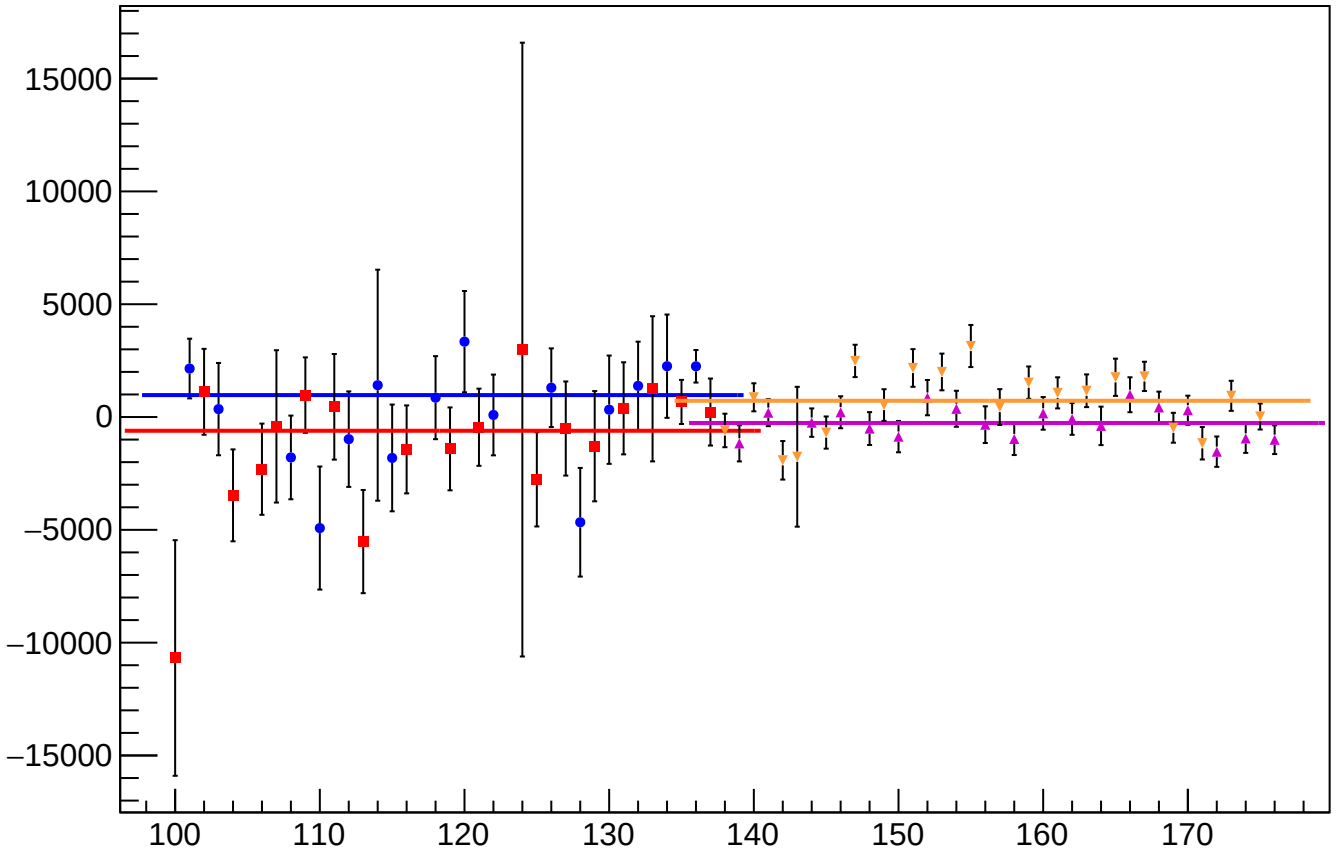
Left: 1237.371+/-0.156 χ^2/NDF: 159556.2/38

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534412.1/34

Out: 1241.285+/-0.183 χ^2/NDF:369576.2/38

All: 1249.751+/-0.131 χ^2/NDF: 908370.5/73



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 721.545+/-164.925 χ^2/NDF:53.8/19

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.668+/-162.125 χ^2/NDF:17.7/18

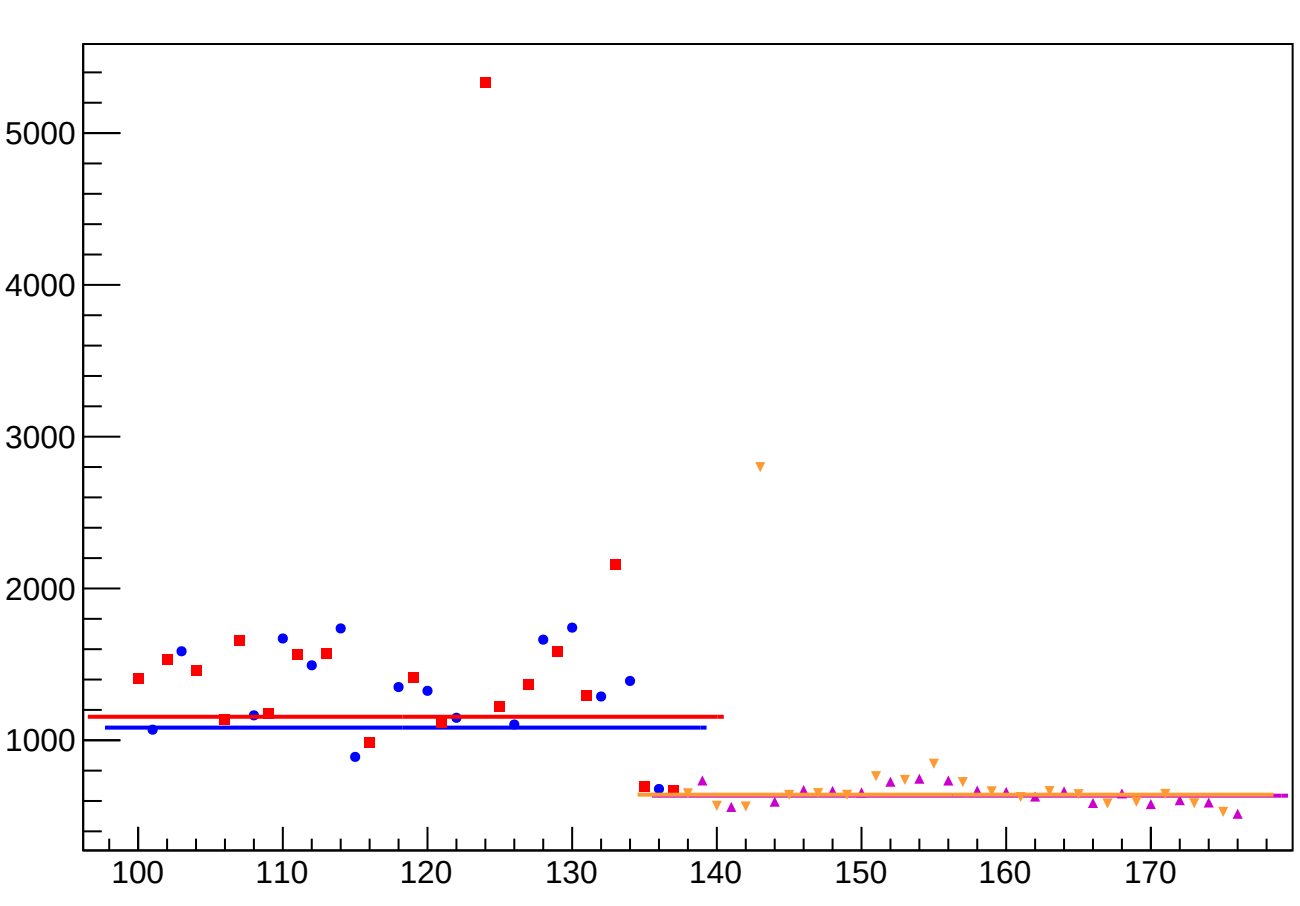
Left: 220.503+/-115.617 χ^2/NDF: 89.6/38

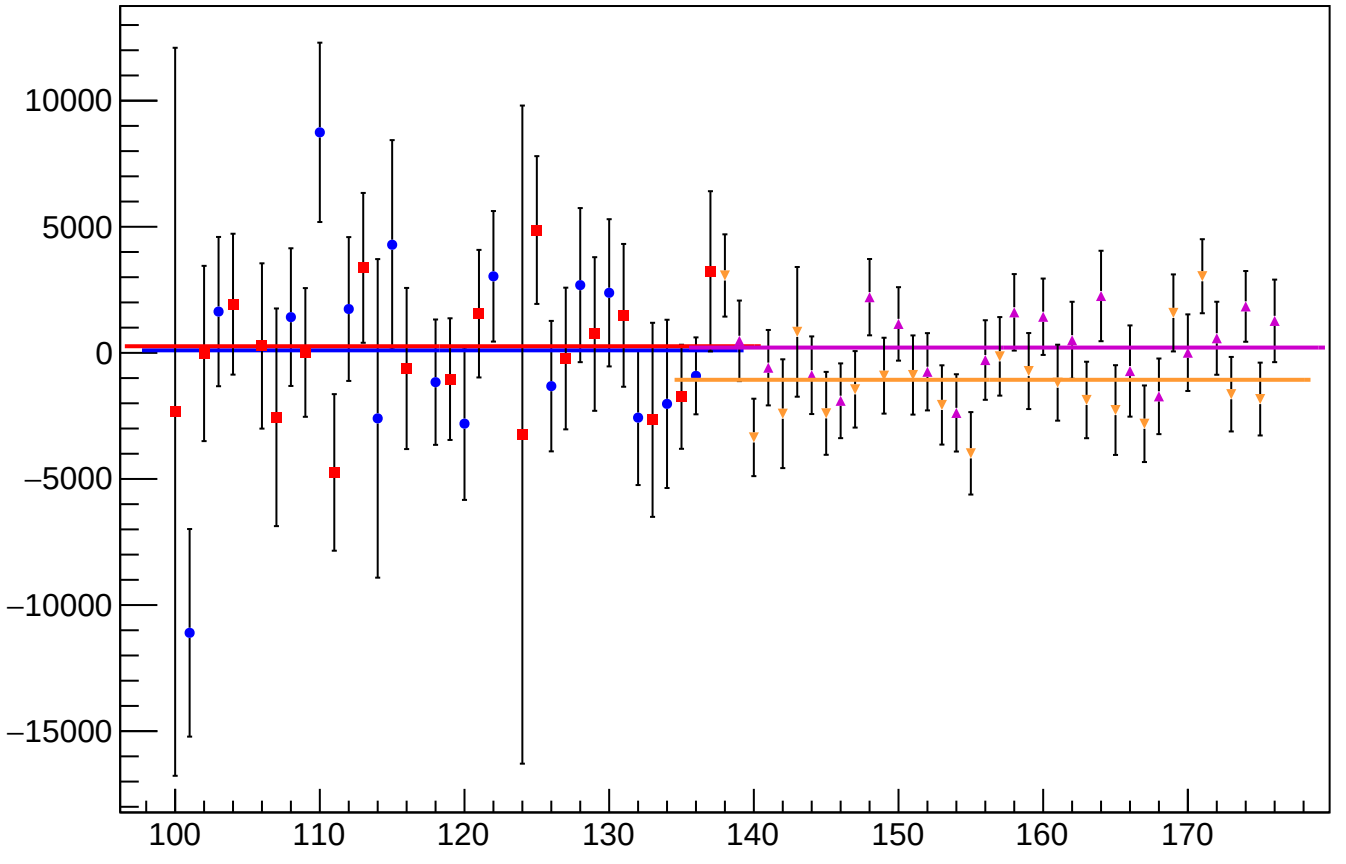
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -106.803+/-151.487 χ^2/NDF:45.6/34

Out: 562.646+/-154.760 χ^2/NDF:78.7/38

All: 220.770+/-108.256 χ^2/NDF: 133.8/73


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 641.607+/-0.117 χ²/NDF:1326088.0/19
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 634.967+/-0.115 χ²/NDF:294228.9/18
Left: 638.230+/-0.082 χ²/NDF: 1621965.2/38
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 691.874+/-0.107 χ²/NDF:3595821.8/34
Out: 702.912+/-0.109 χ²/NDF:5127334.3/38
All: 697.275+/-0.077 χ²/NDF: 8728351.1/73



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.069+/-355.670 χ^2/NDF:27.6/19

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 210.020+/-352.862 χ^2/NDF:15.0/18

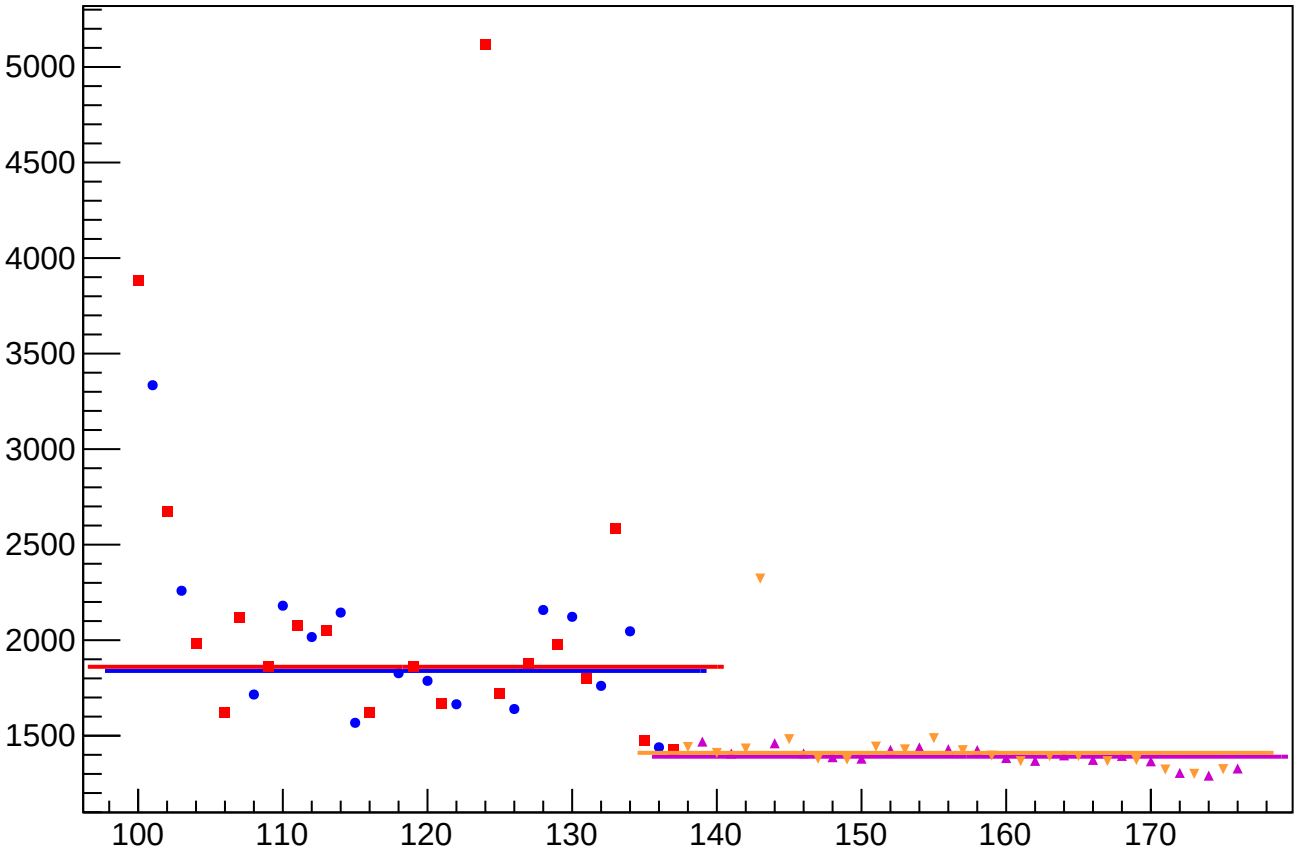
Left: -423.961+/-250.498 χ^2/NDF: 49.1/38

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 187.768+/-315.000 χ^2/NDF:36.3/34

Out: -794.829+/-317.061 χ^2/NDF:40.9/38

All: -300.326+/-223.464 χ^2/NDF: 82.0/73



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1410.426+/-0.251 χ^2/NDF:294118.7/19

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

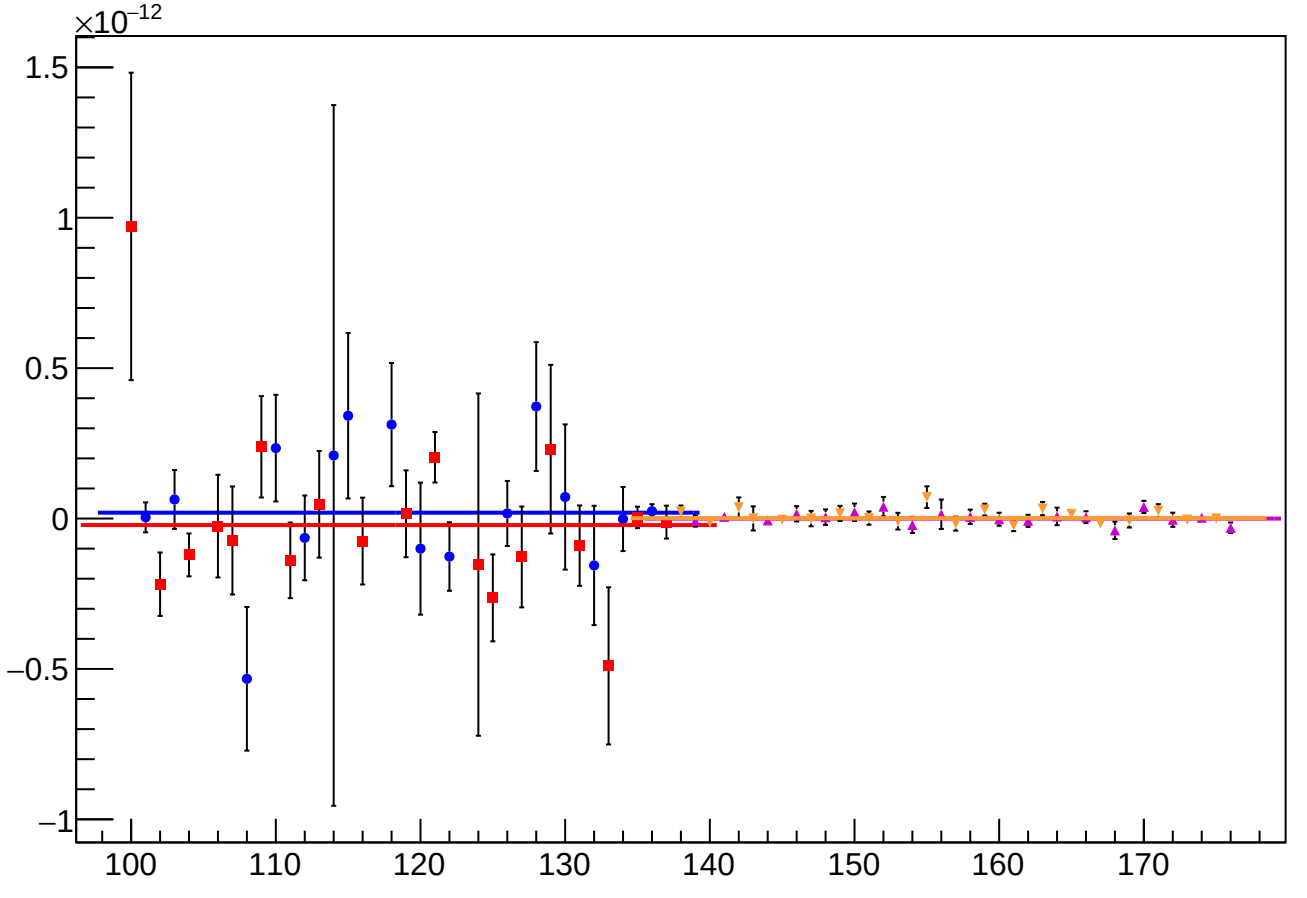
Left: 1400.220+/-0.177 χ^2/NDF: 333344.6/38

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1481.350+/-0.223 χ^2/NDF:1250160.7/34

Out: 1502.889+/-0.224 χ^2/NDF:1474547.5/38

All: 1492.049+/-0.158 χ^2/NDF: 2729353.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

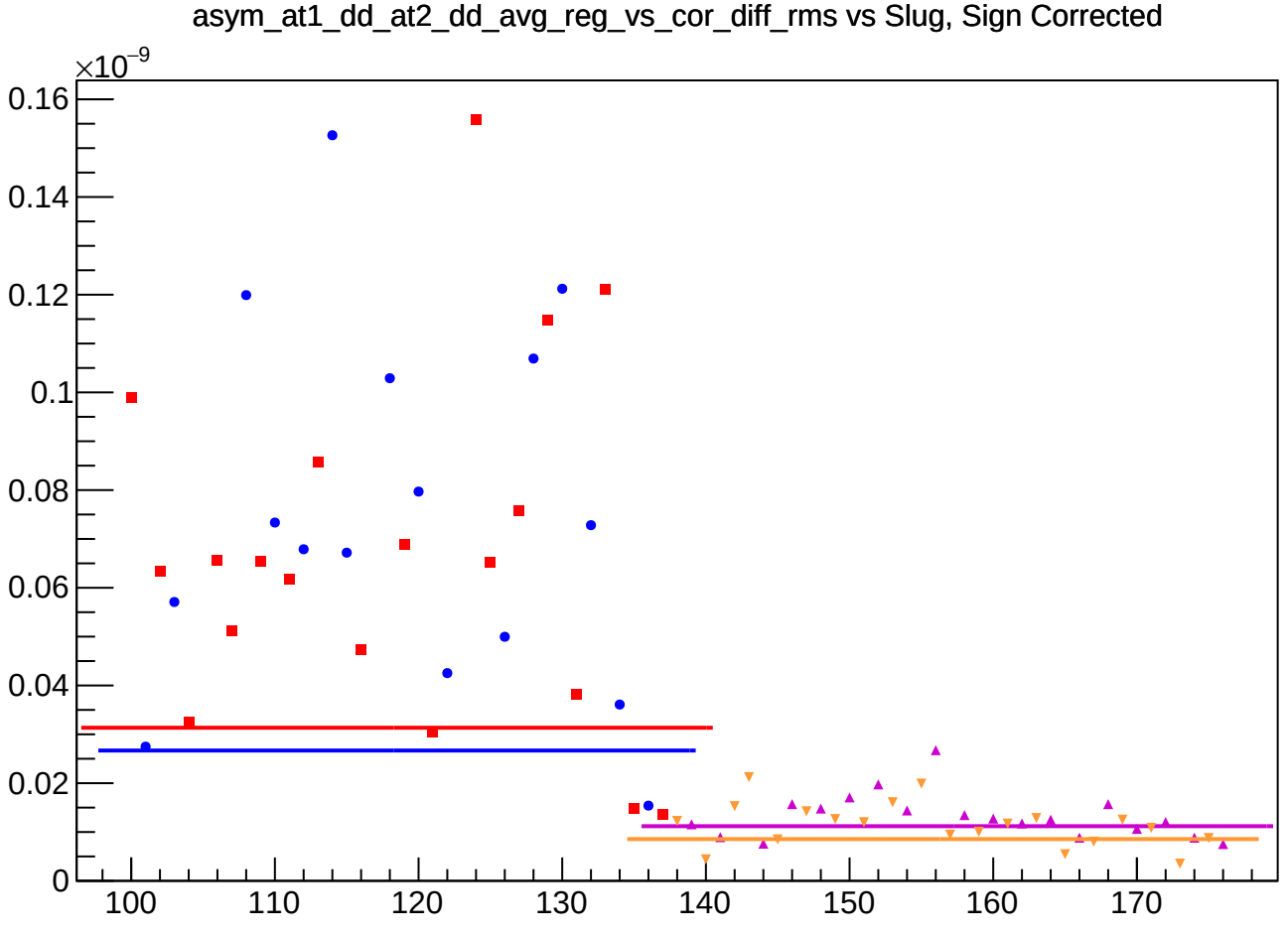
Left: 0.000+/-0.000 χ^2/NDF: 31.4/38

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:47.9/38

All: 0.000+/-0.000 χ^2/NDF: 78.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1998162.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3333112.1/38

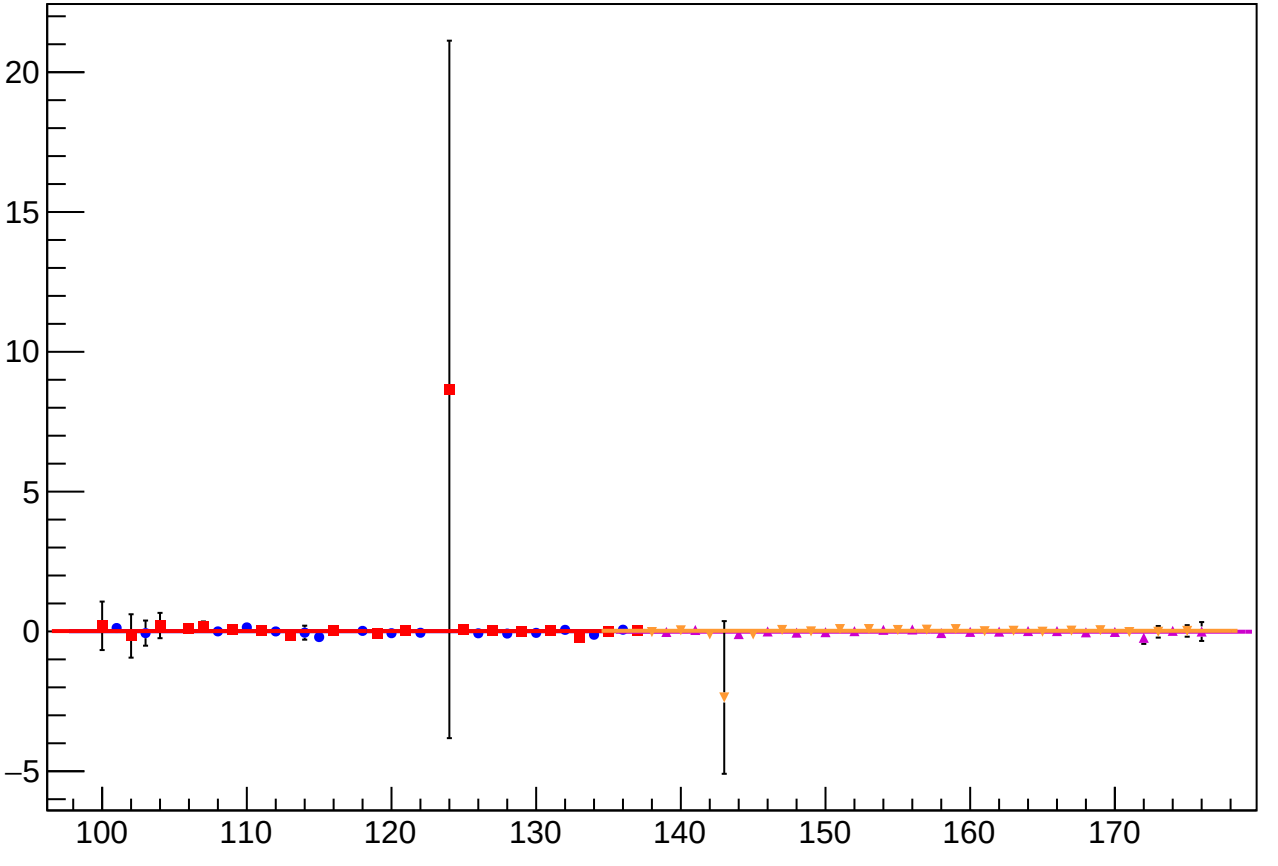
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4840598.6/34

Out: 0.000+/-0.000 χ^2/NDF:6297085.6/38

All: 0.000+/-0.000 χ^2/NDF: 11575319.7/73

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

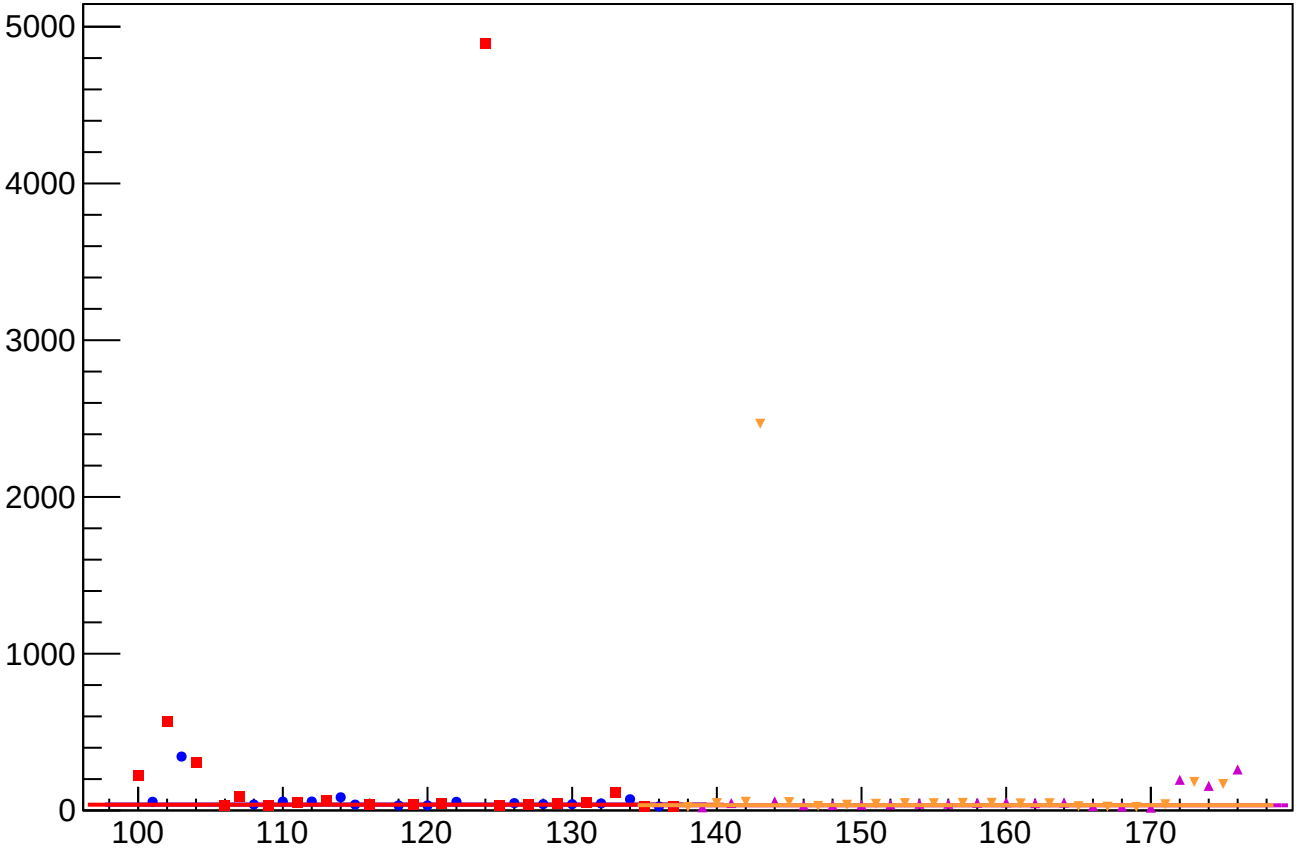
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

Left: 33.231+/-0.005 χ^2/NDF: 11593517.6/38

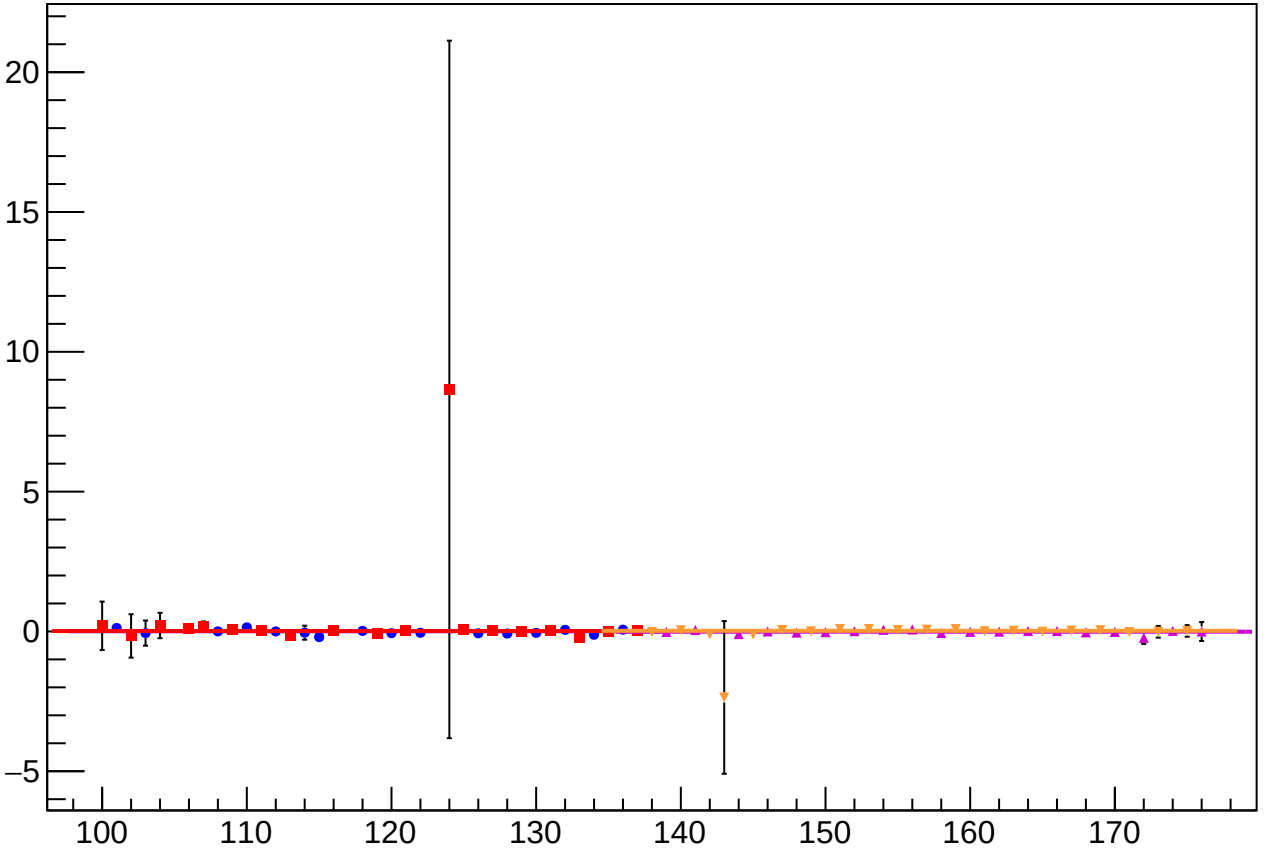
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

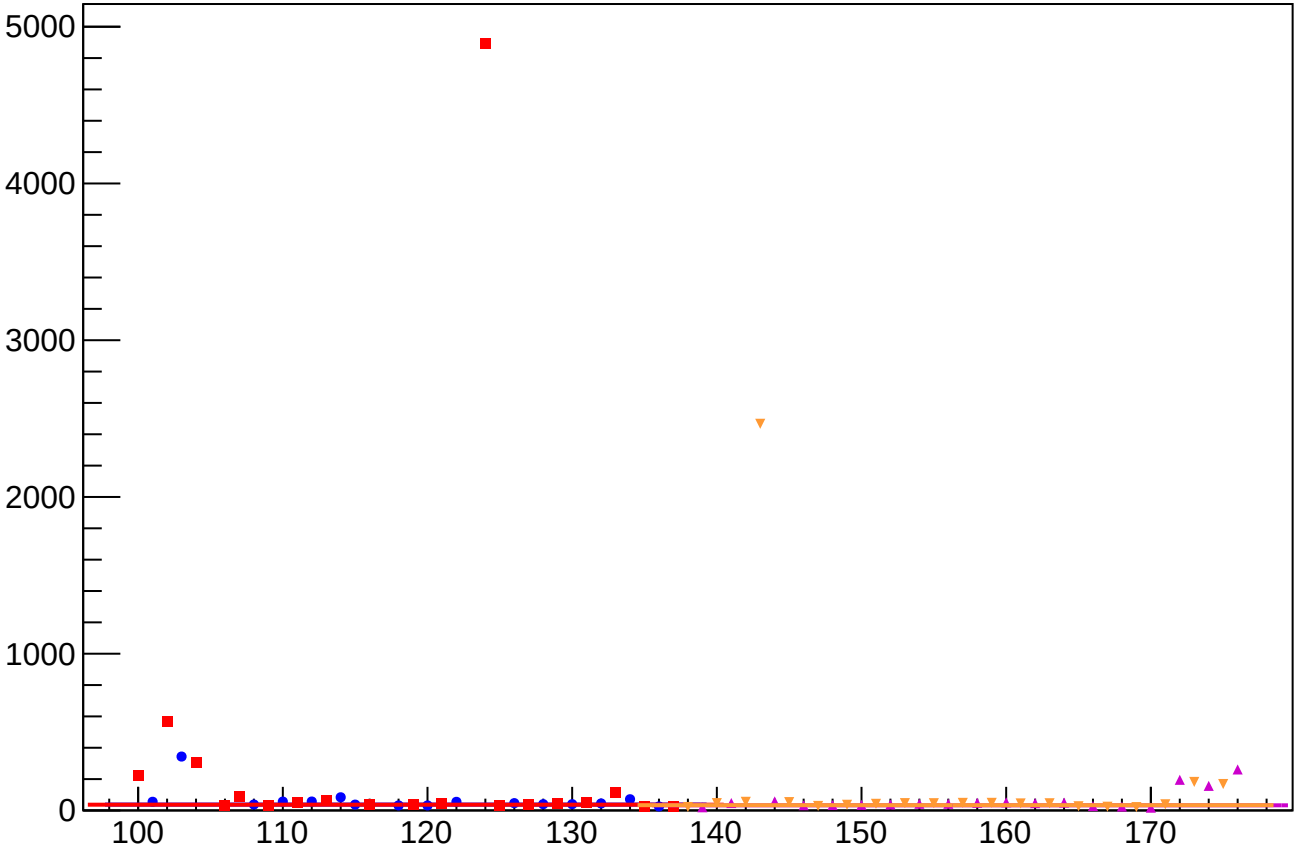
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.667+/-0.007 χ^2/NDF:5853305.7/19

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

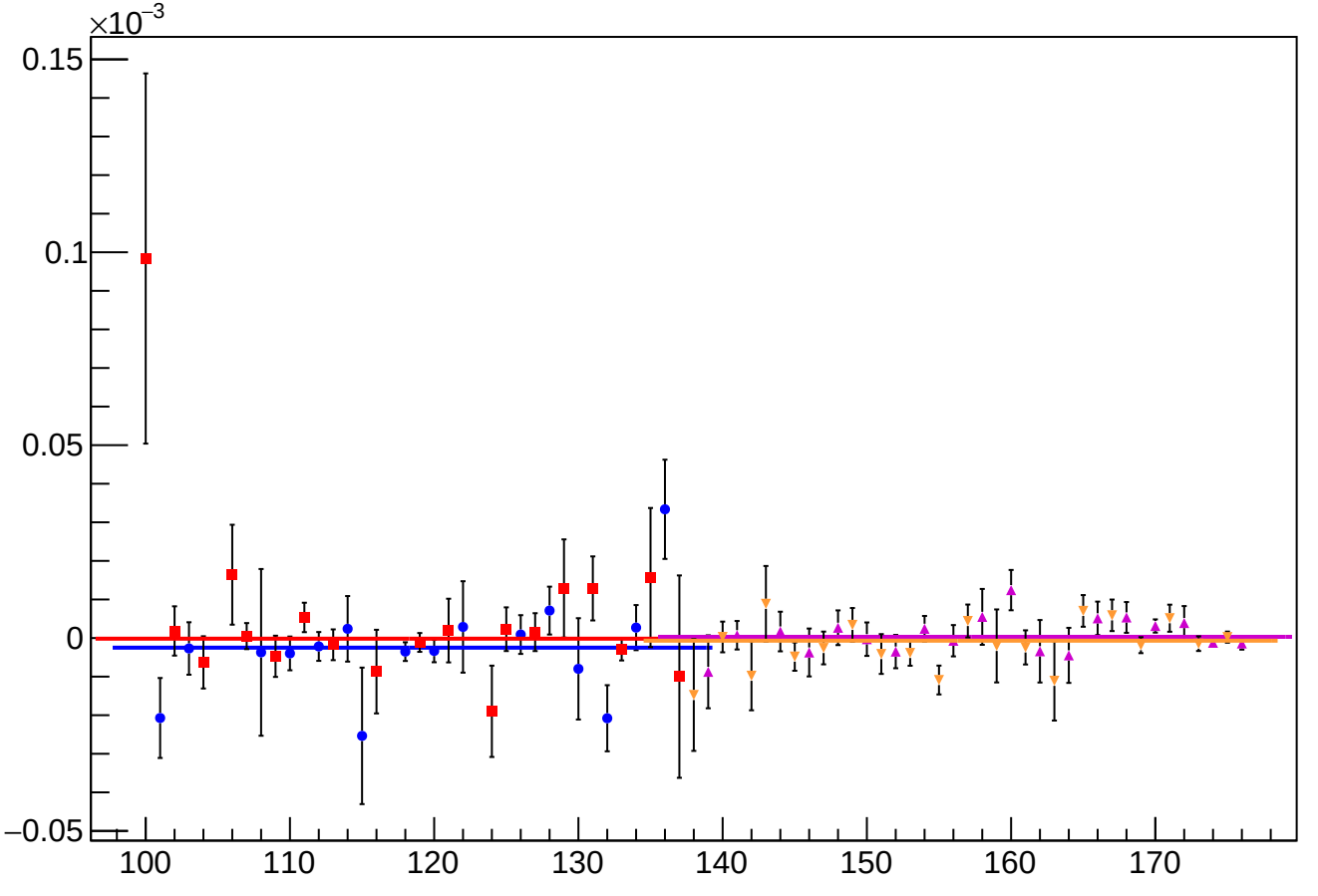
Left: 33.231+/-0.005 χ^2/NDF: 11593517.6/38

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094504.2/38

All: 34.310+/-0.004 χ^2/NDF: 16935421.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

Left: -0.000+/-0.000 χ^2/NDF: 46.4/38

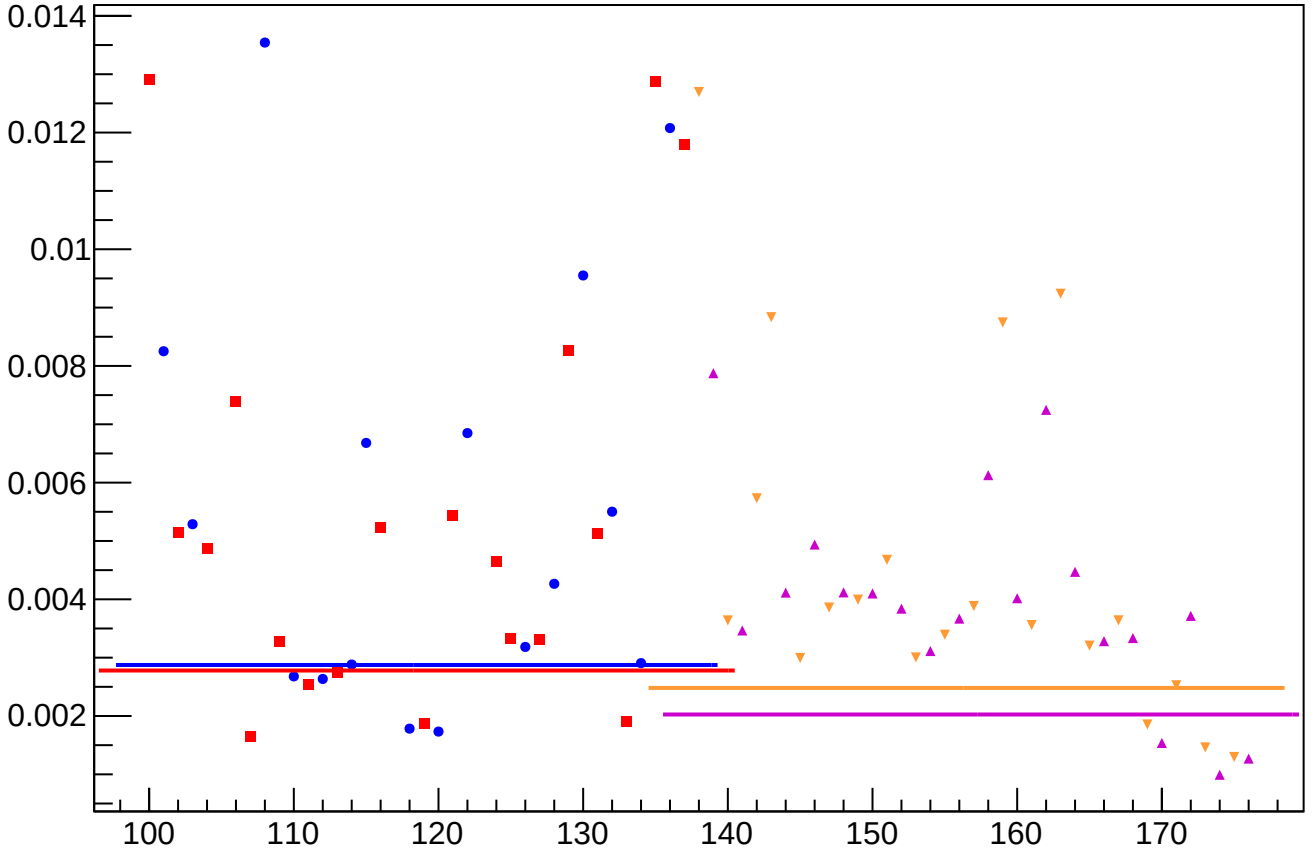
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:45.5/38

All: -0.000+/-0.000 χ^2/NDF: 90.1/73

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:7693908.4/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8752658.2/18

Left: 0.002+/-0.000 χ^2/NDF: 16864764.8/38

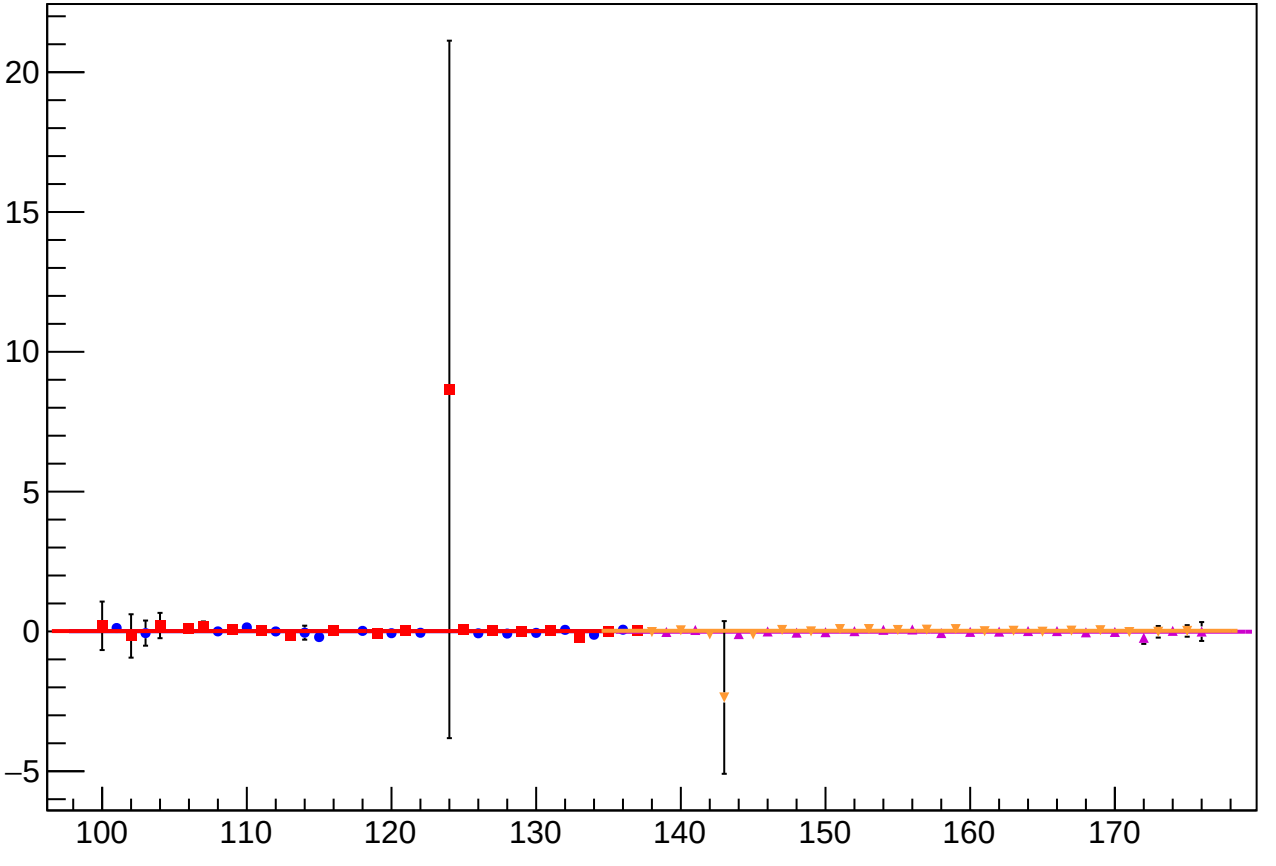
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13579220.0/34

Out: 0.003+/-0.000 χ^2/NDF:11097233.2/38

All: 0.002+/-0.000 χ^2/NDF: 25043479.9/73

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

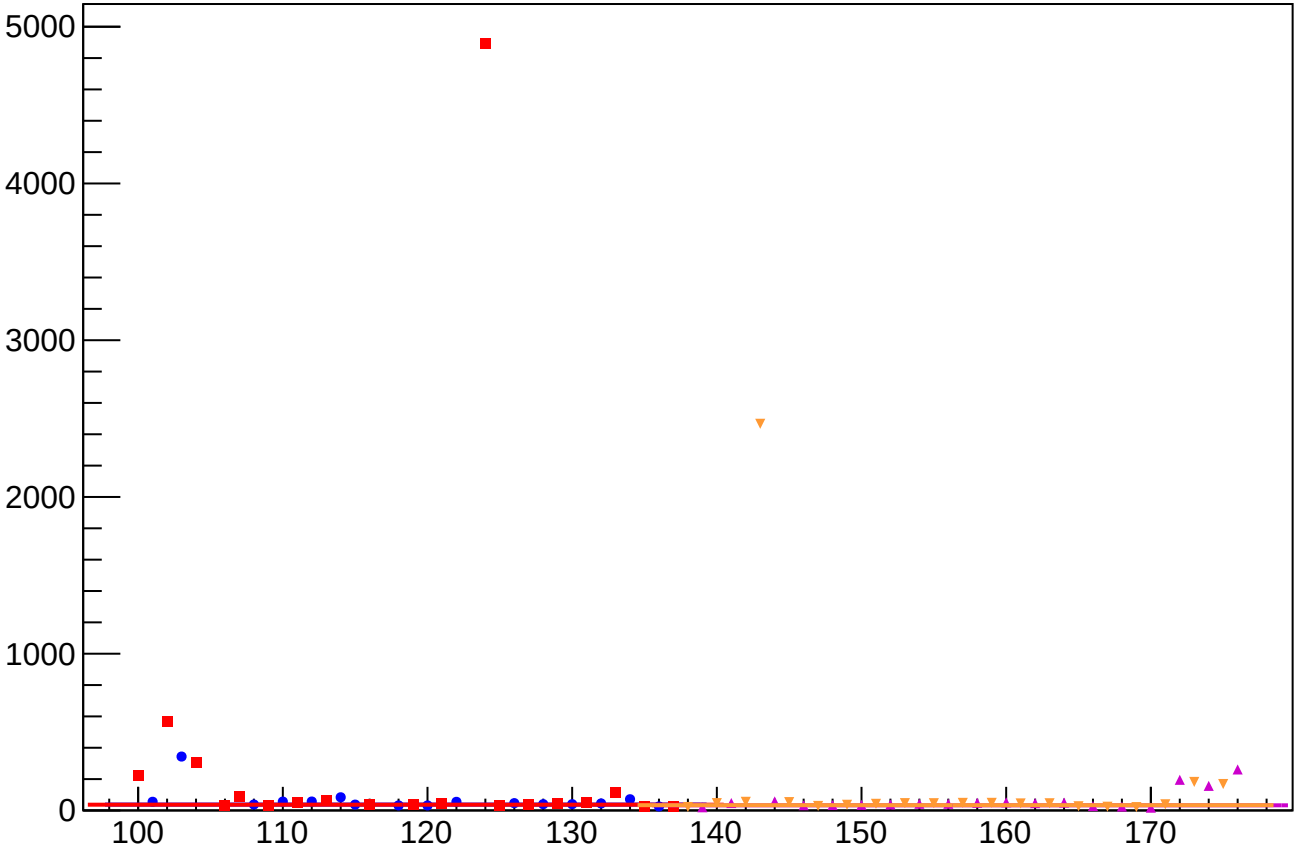
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

Left: 33.232+/-0.005 χ^2/NDF: 11592347.0/38

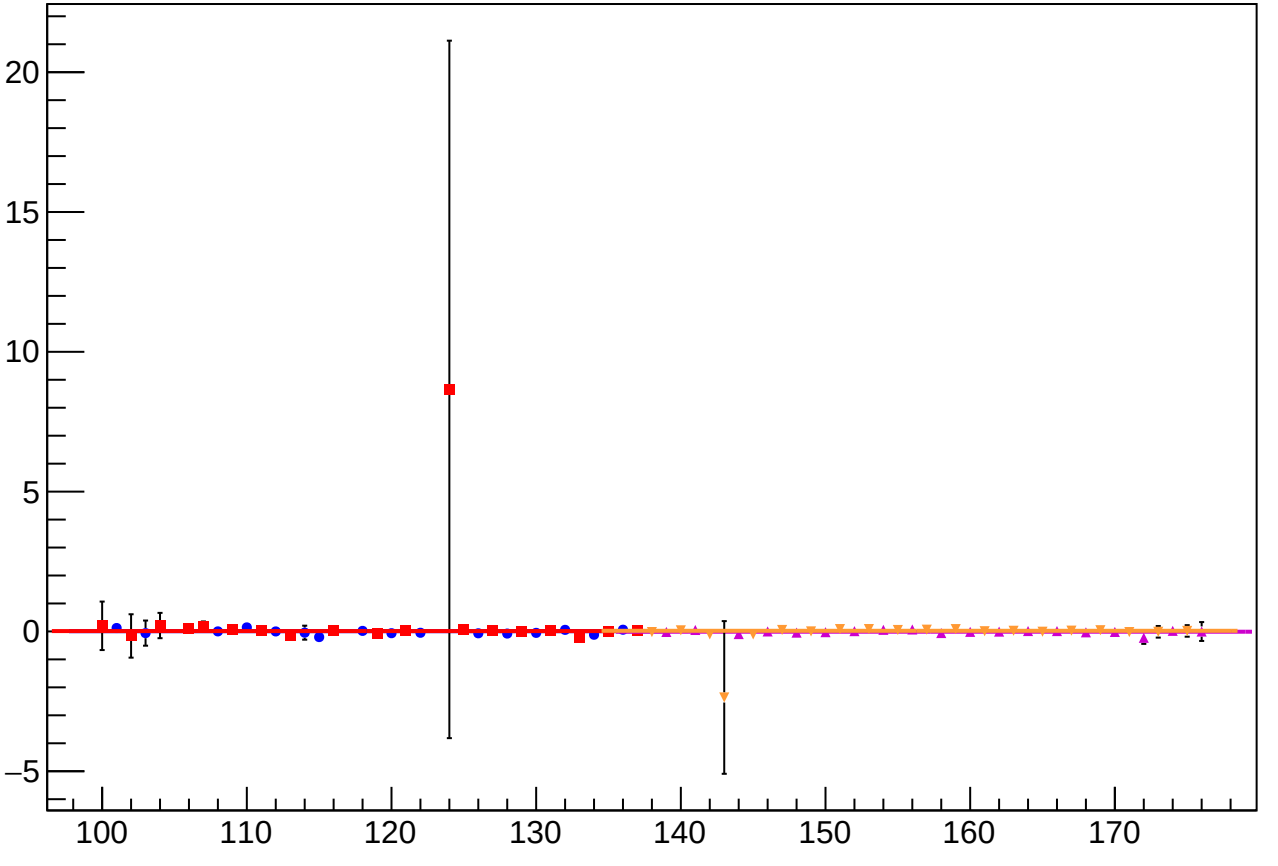
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/19

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 35.4/38

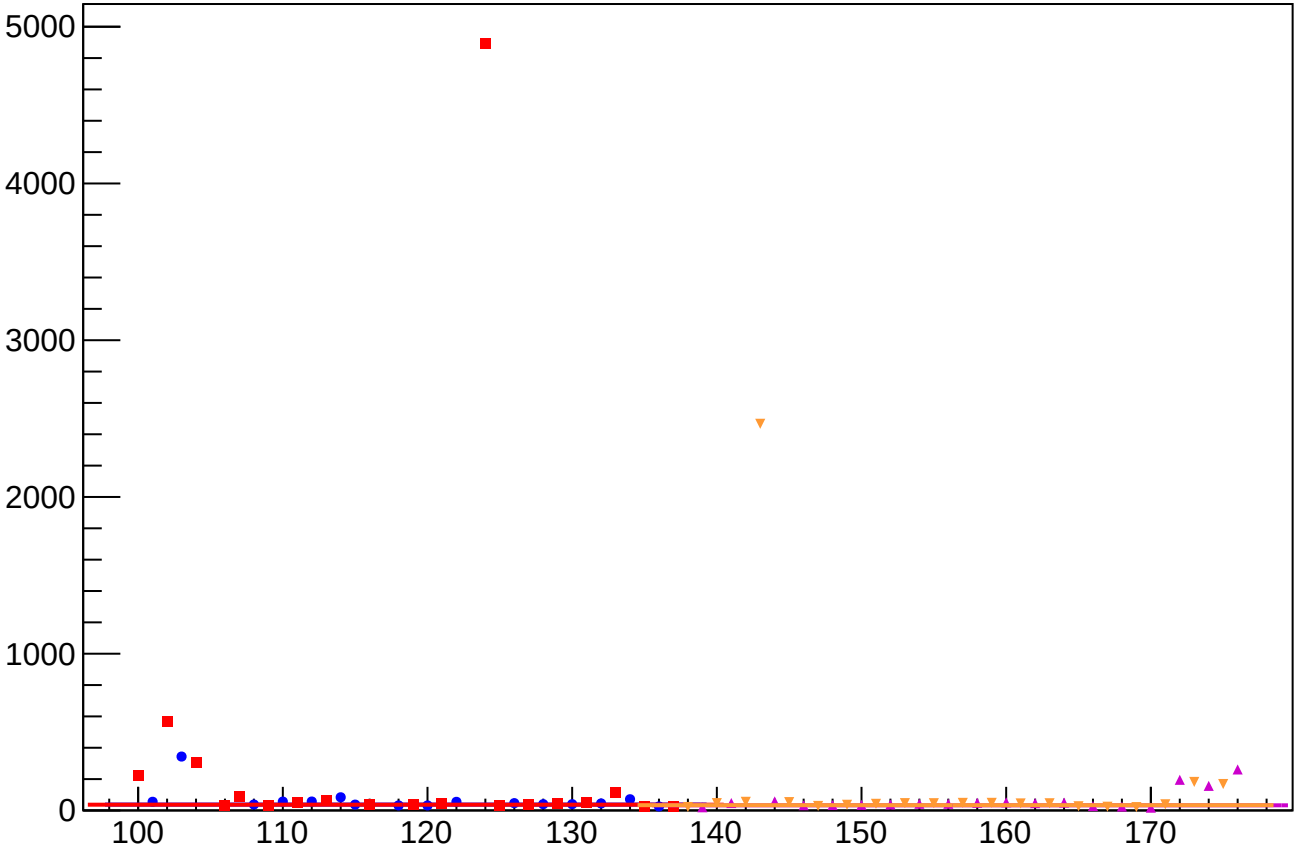
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:31.0/38

All: 0.007+/-0.006 χ^2/NDF: 67.4/73

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: 33.666+/-0.007 χ^2/NDF:5853388.1/19

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

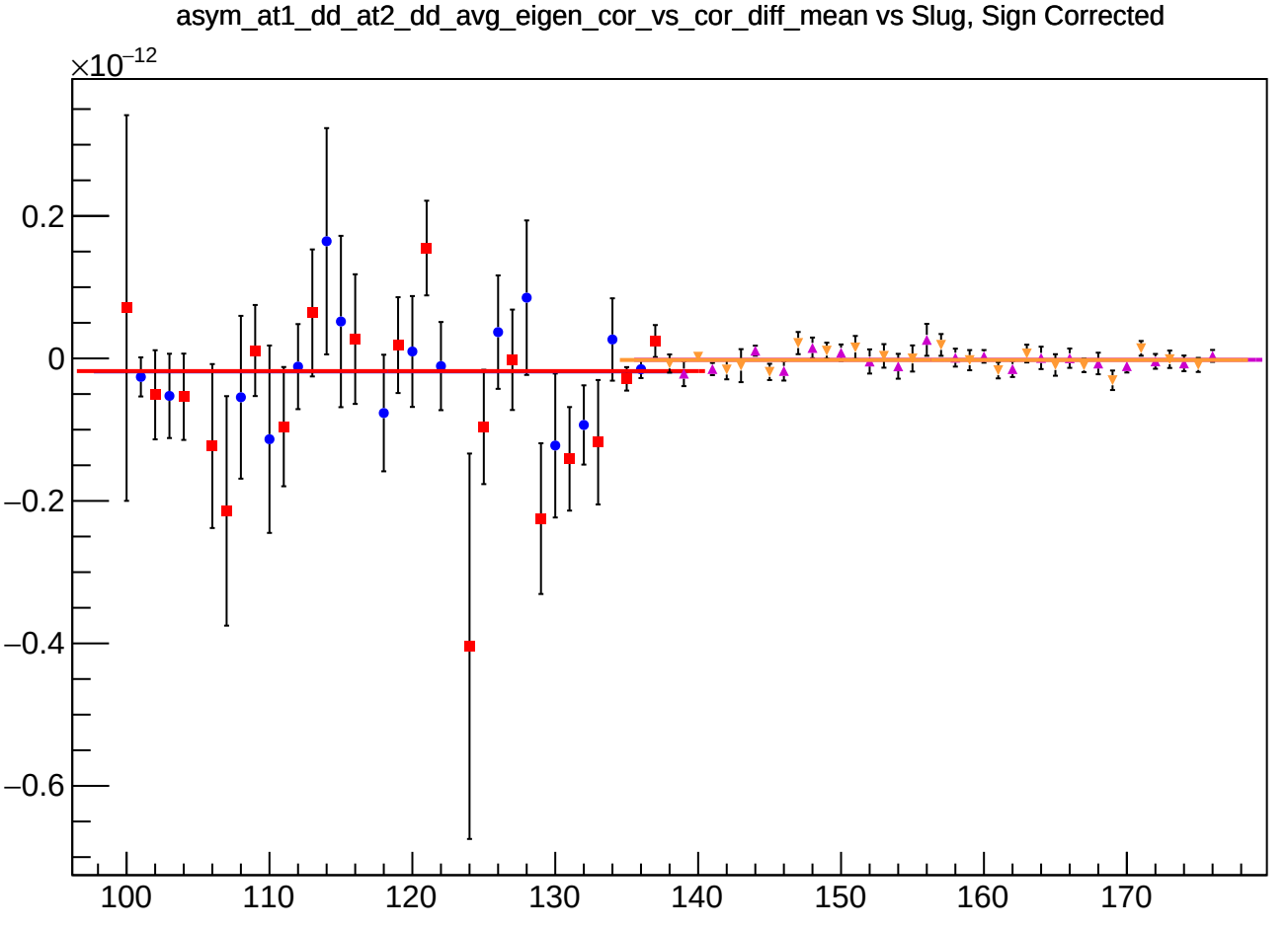
Left: 33.232+/-0.005 χ^2/NDF: 11592347.0/38

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.518+/-0.006 χ^2/NDF:9094371.2/38

All: 34.311+/-0.004 χ^2/NDF: 16933903.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

Left: -0.000+/-0.000 χ^2/NDF: 36.5/38

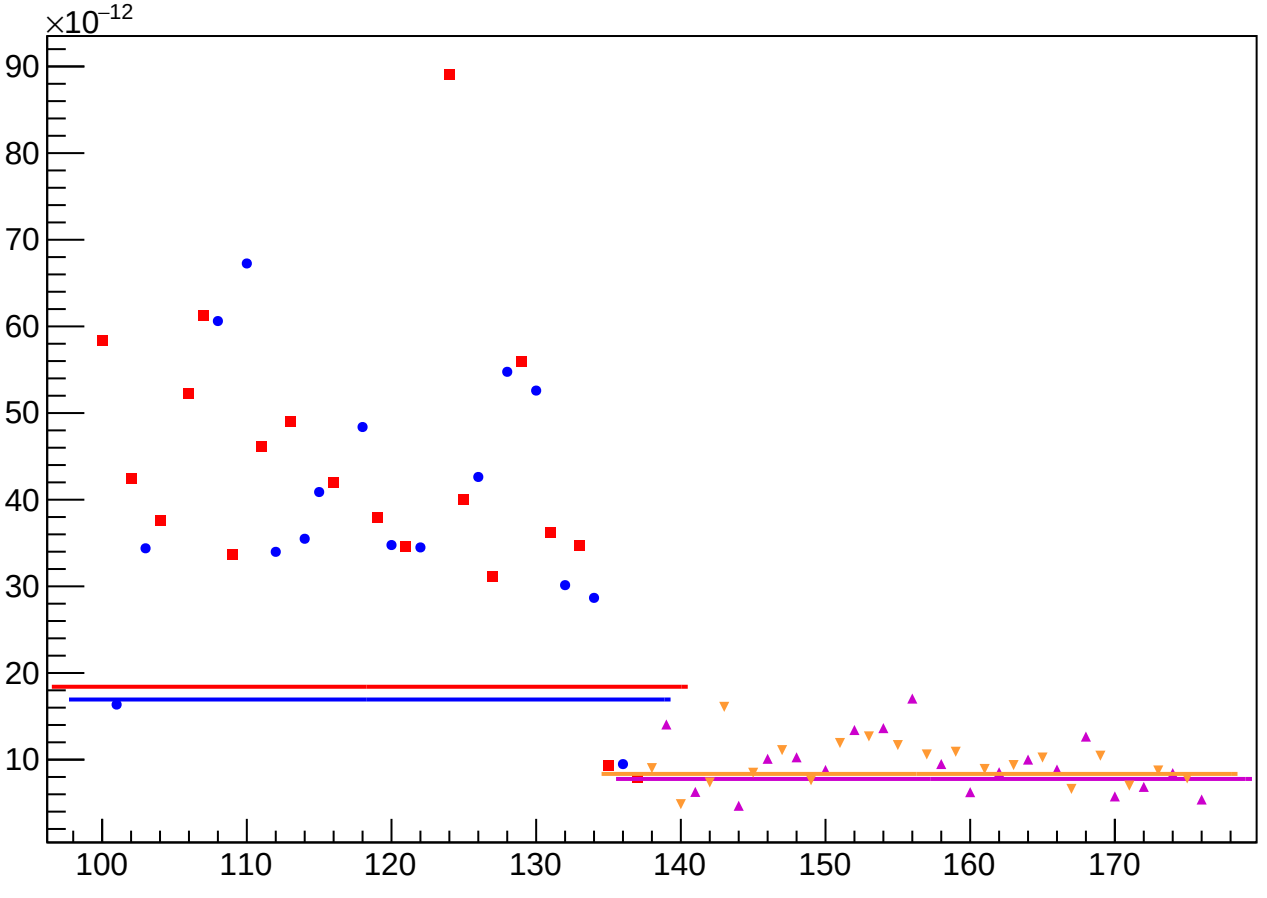
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.3/34

Out: -0.000+/-0.000 χ^2/NDF:50.2/38

All: -0.000+/-0.000 χ^2/NDF: 76.5/73

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:1459012.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

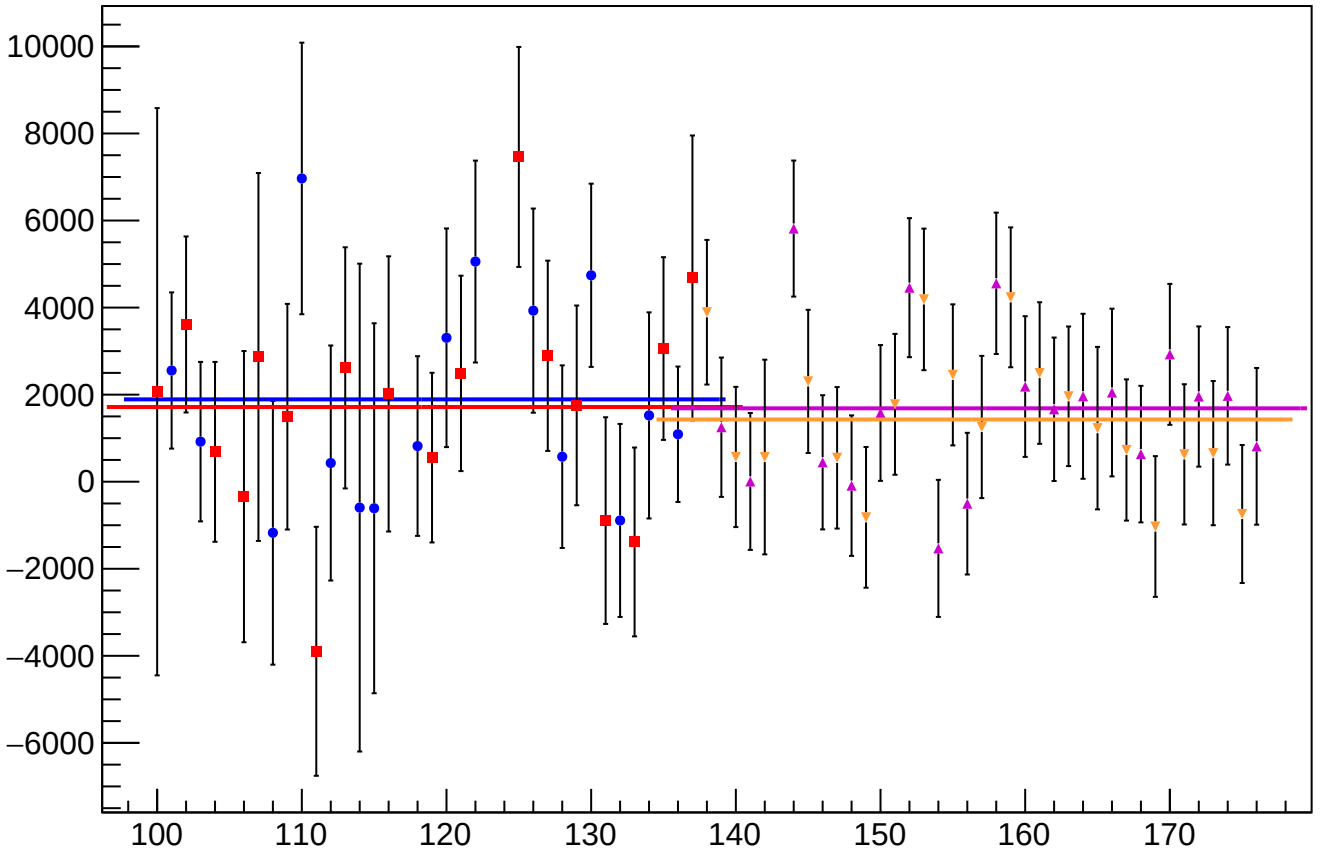
Left: 0.000+/-0.000 χ^2/NDF: 3787695.5/38

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7088159.4/34

Out: 0.000+/-0.000 χ^2/NDF:6695711.1/38

All: 0.000+/-0.000 χ^2/NDF: 13831935.2/73



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.333+/-379.416 χ^2/NDF:16.9/18

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1685.666+/-373.868 χ^2/NDF:23.7/18

Left: 1559.387+/-266.305 χ^2/NDF: 40.8/37

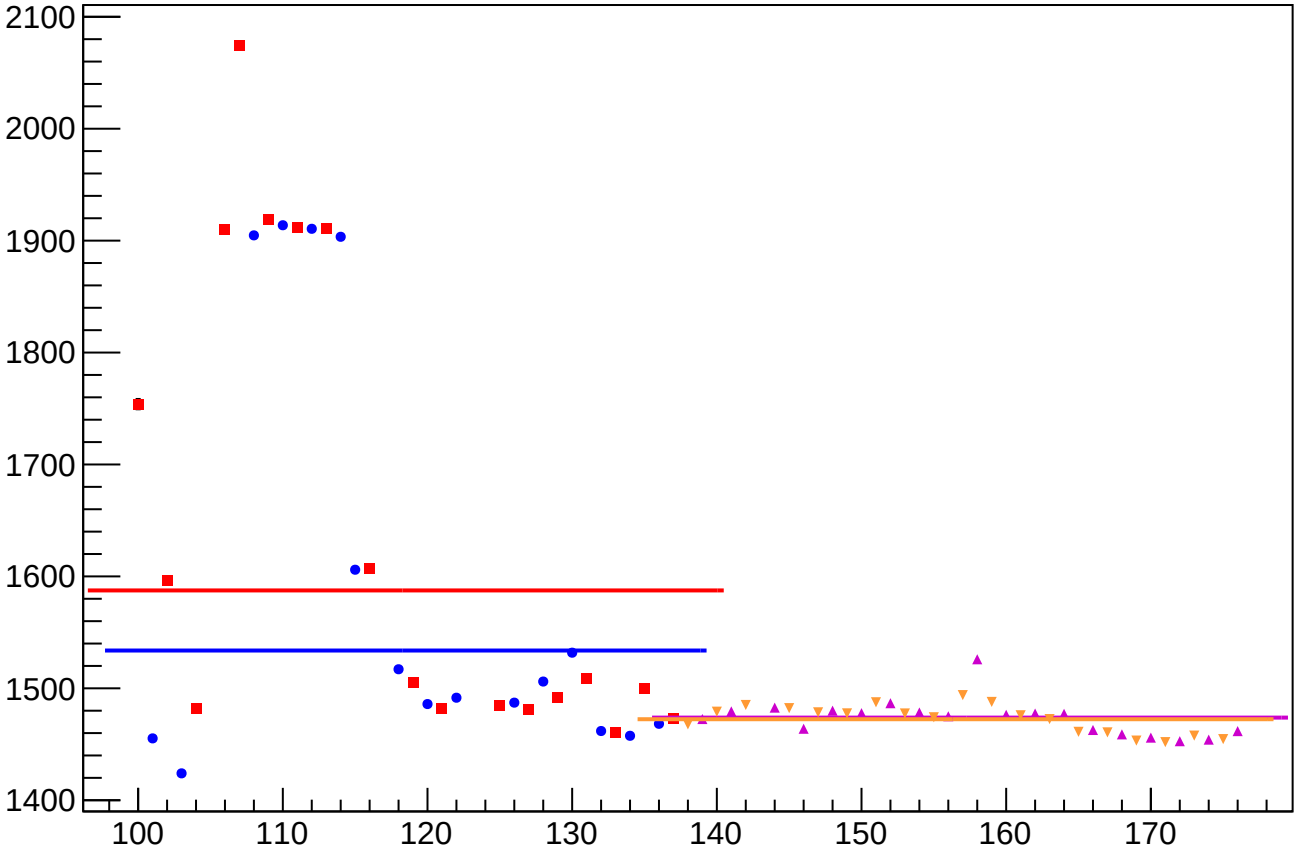
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1747.230+/-312.989 χ^2/NDF:36.0/34

Out: 1513.271+/-319.048 χ^2/NDF:33.1/36

All: 1632.493+/-223.428 χ^2/NDF: 69.3/71

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

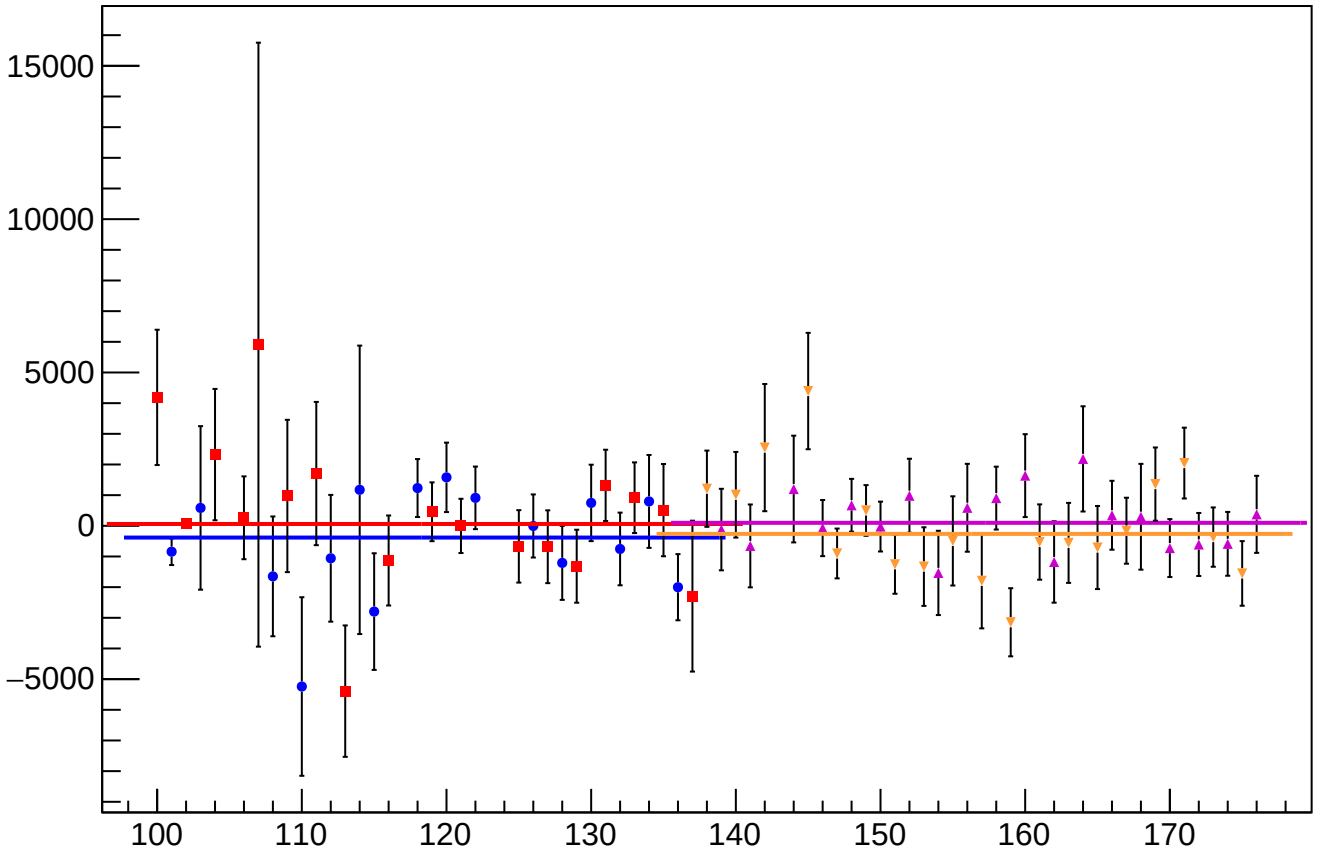
Left: 1473.119+/-0.188 χ^2/NDF: 5859.1/37

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1506.091+/-0.226 χ^2/NDF:228039.0/36

All: 1498.790+/-0.158 χ^2/NDF: 378424.9/71



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.155+/-266.151 χ^2/NDF:28.6/18

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 97.558+/-263.871 χ^2/NDF:9.4/18

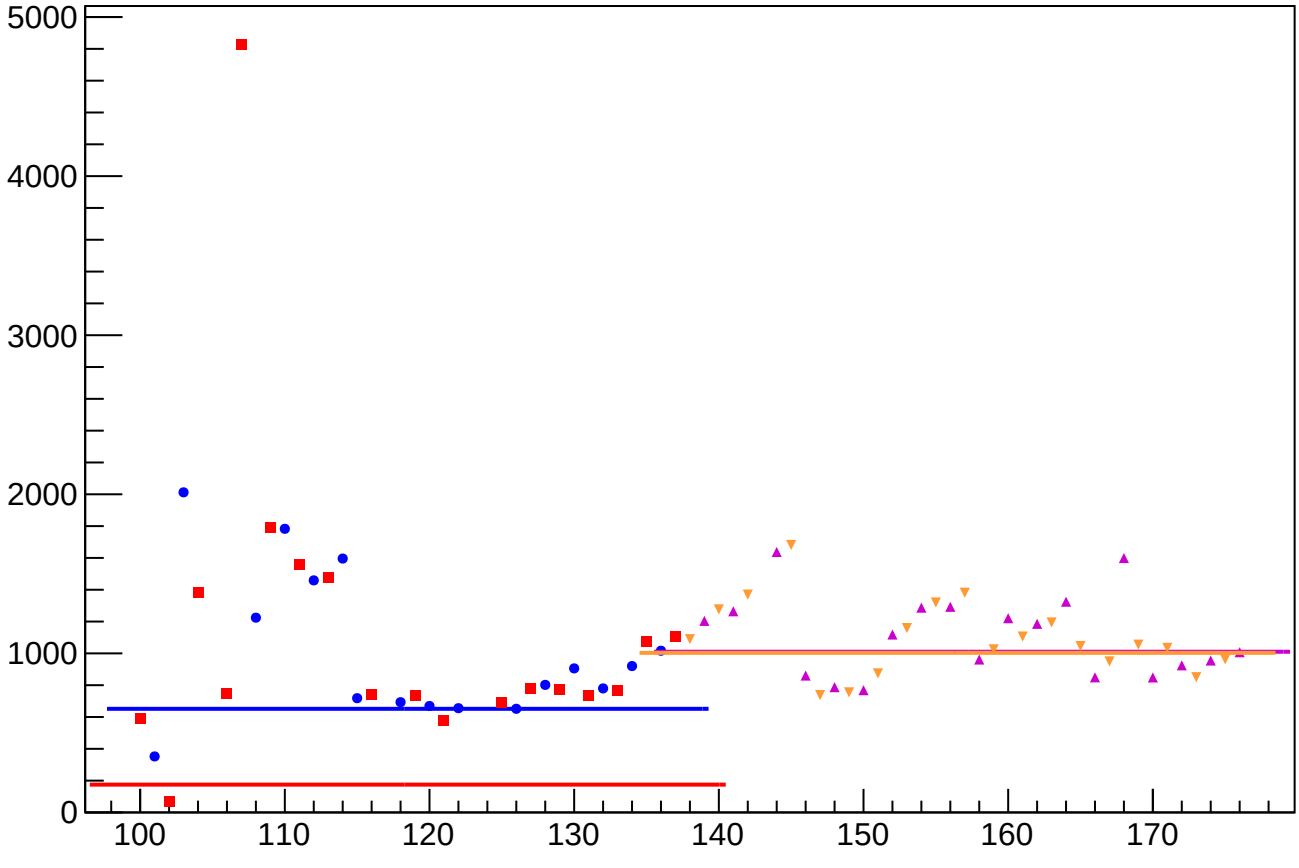
Left: -81.247+/-187.386 χ^2/NDF: 38.9/37

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -135.145+/-189.464 χ^2/NDF:29.2/34

Out: -0.497+/-115.134 χ^2/NDF:47.6/36

All: -36.810+/-98.391 χ^2/NDF: 77.2/71



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1003.303+/-0.188 χ^2/NDF:1199937.5/18

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420192.0/18

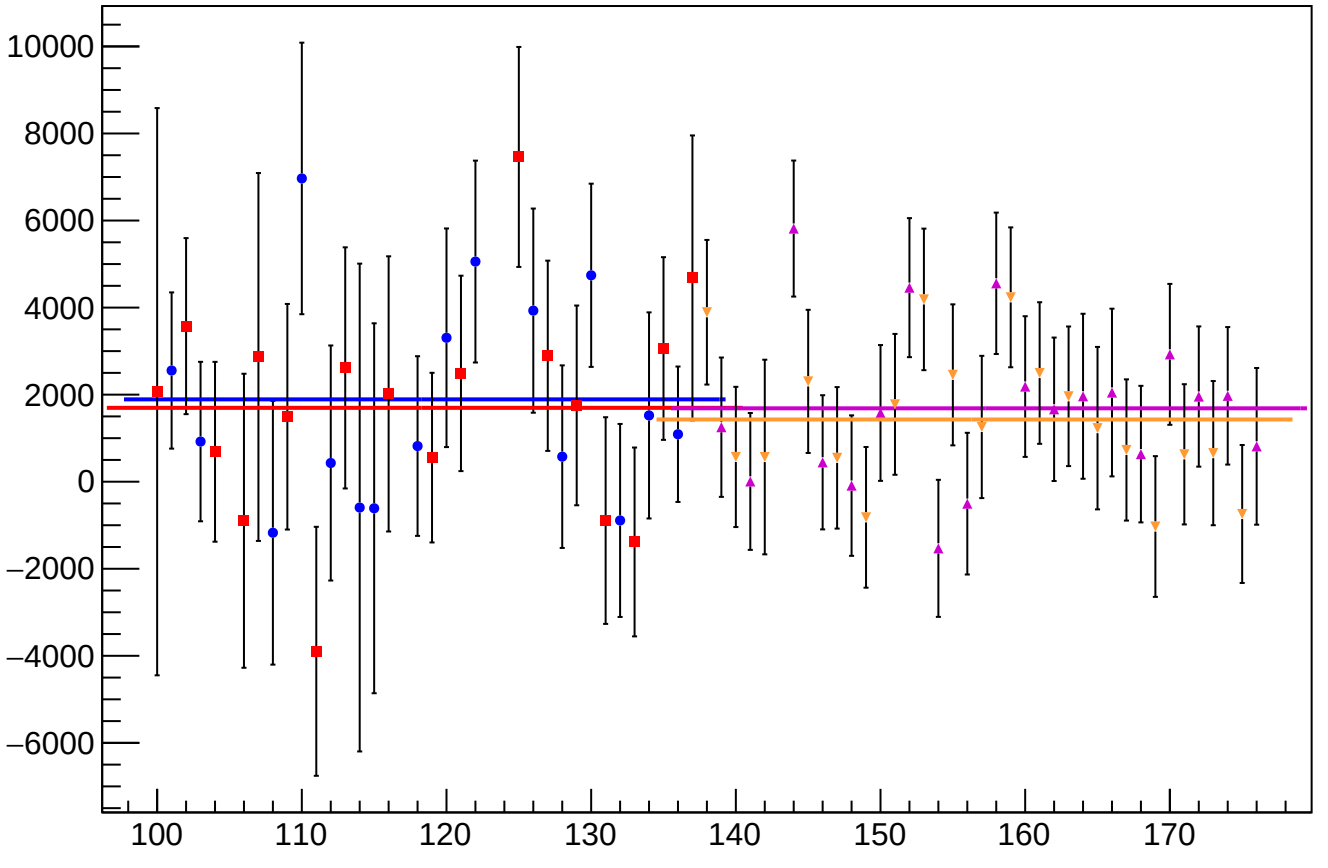
Left: 1006.857+/-0.133 χ^2/NDF: 2620836.4/37

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 836.516+/-0.134 χ^2/NDF:5974550.2/34

Out: 329.920+/-0.081 χ^2/NDF:26711157.4/36

All: 466.543+/-0.070 χ^2/NDF: 43128332.1/71



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1685.742+/-373.868 χ^2/NDF:23.7/18

Left: 1559.419+/-266.305 χ^2/NDF: 40.8/37

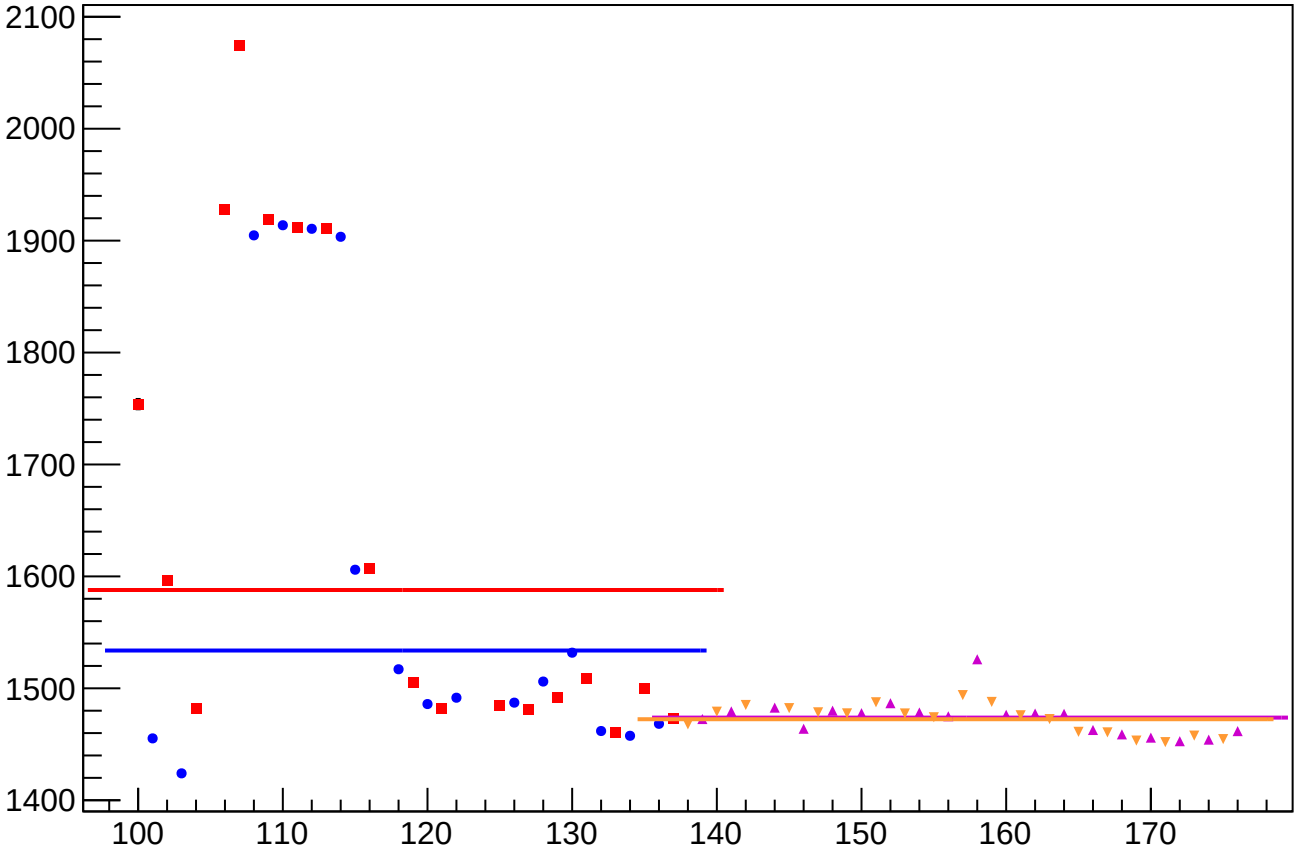
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1747.314+/-312.989 χ^2/NDF:36.0/34

Out: 1507.685+/-319.077 χ^2/NDF:33.2/36

All: 1629.807+/-223.438 χ^2/NDF: 69.5/71

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

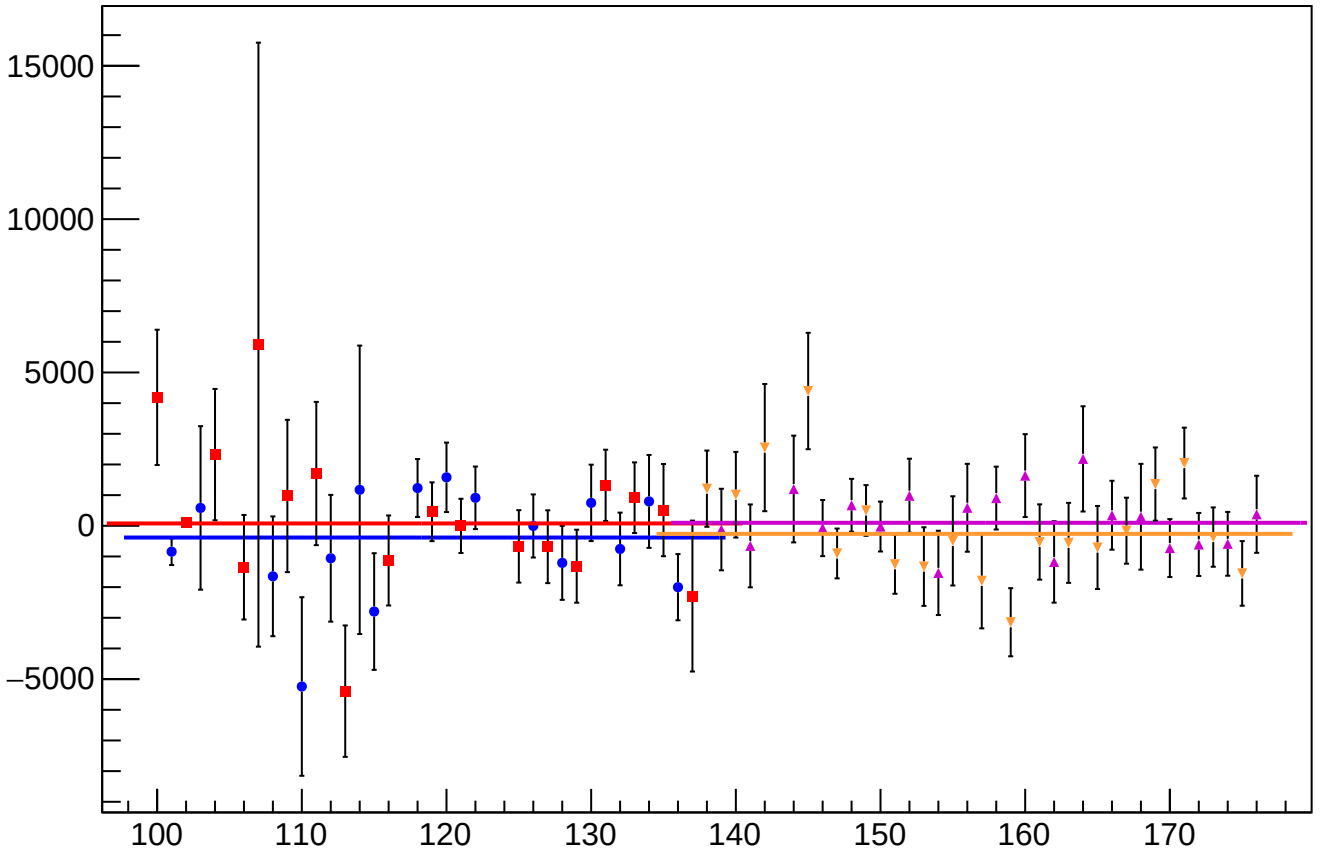
Left: 1473.120+/-0.188 χ^2/NDF: 5859.1/37

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1506.189+/-0.226 χ^2/NDF:230155.1/36

All: 1498.837+/-0.158 χ^2/NDF: 380569.0/71



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 97.630+/-263.871 χ^2/NDF:9.4/18

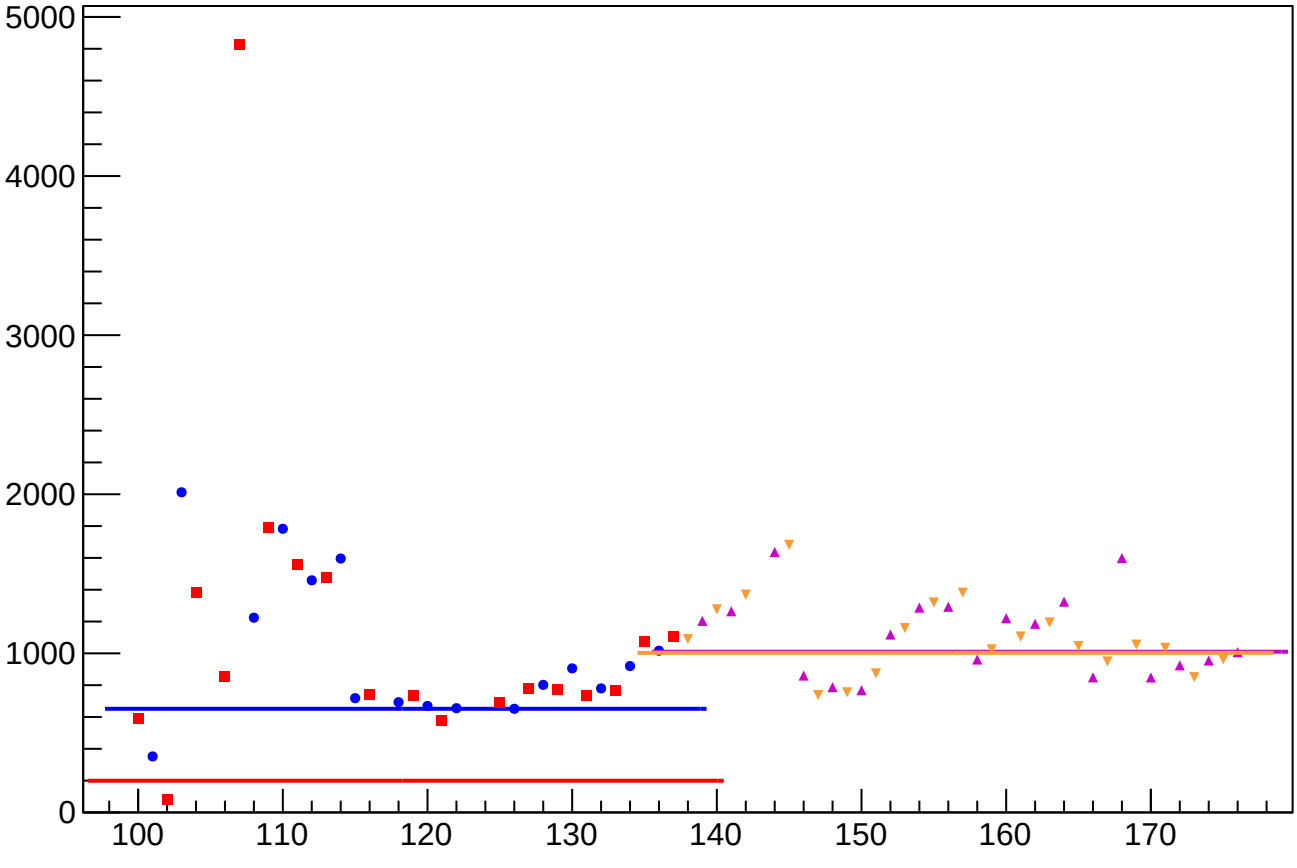
Left: -81.216+/-187.386 χ^2/NDF: 38.9/37

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -135.096+/-189.464 χ^2/NDF:29.2/34

Out: 4.619+/-122.607 χ^2/NDF:48.4/36

All: -36.620+/-102.934 χ^2/NDF: 78.0/71



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

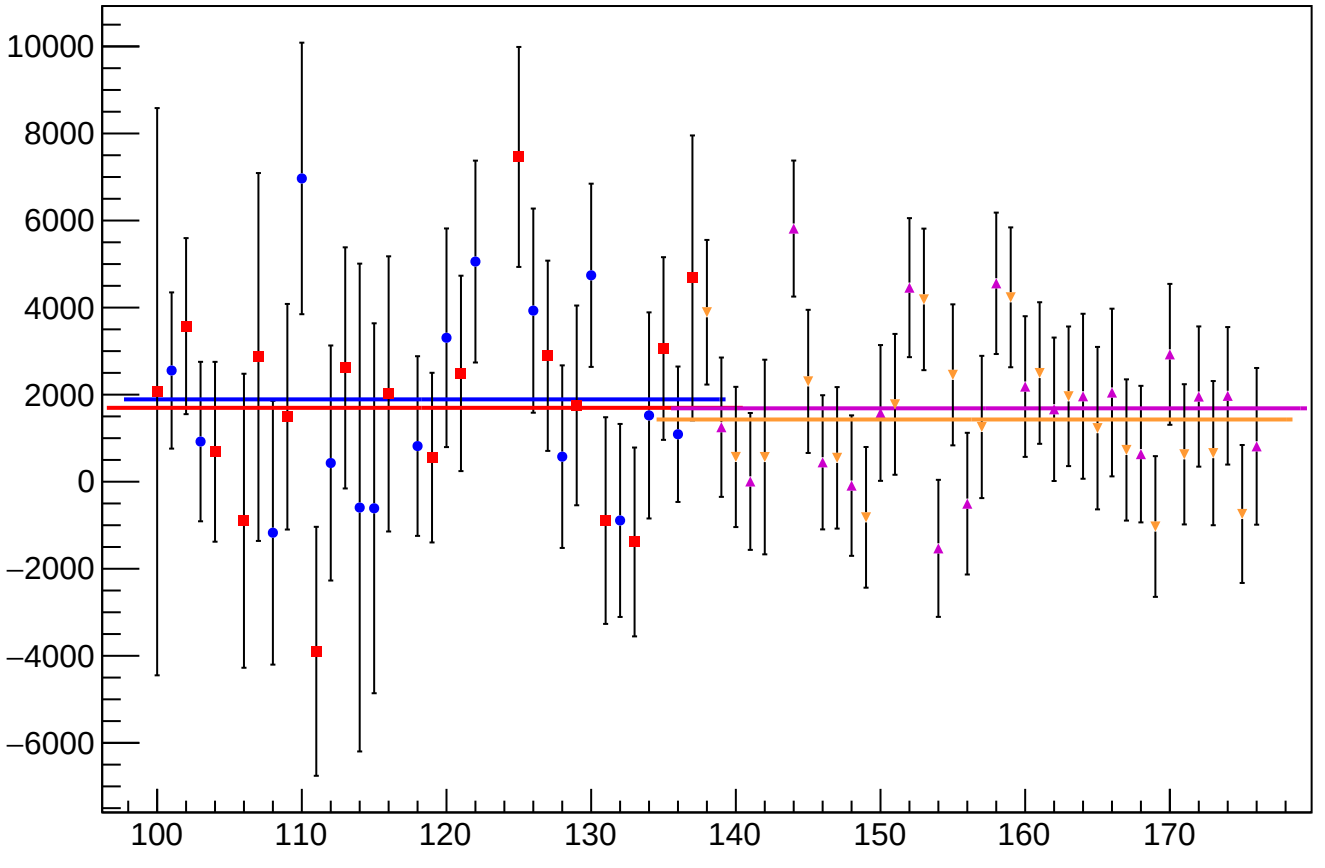
Left: 1006.858+/-0.133 χ^2/NDF: 2620943.3/37

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 836.515+/-0.134 χ^2/NDF:5974688.4/34

Out: 369.955+/-0.087 χ^2/NDF:24861251.0/36

All: 507.667+/-0.073 χ^2/NDF: 39384233.1/71



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1429.319+/-379.416 χ^2/NDF:16.9/18

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1685.742+/-373.868 χ^2/NDF:23.7/18

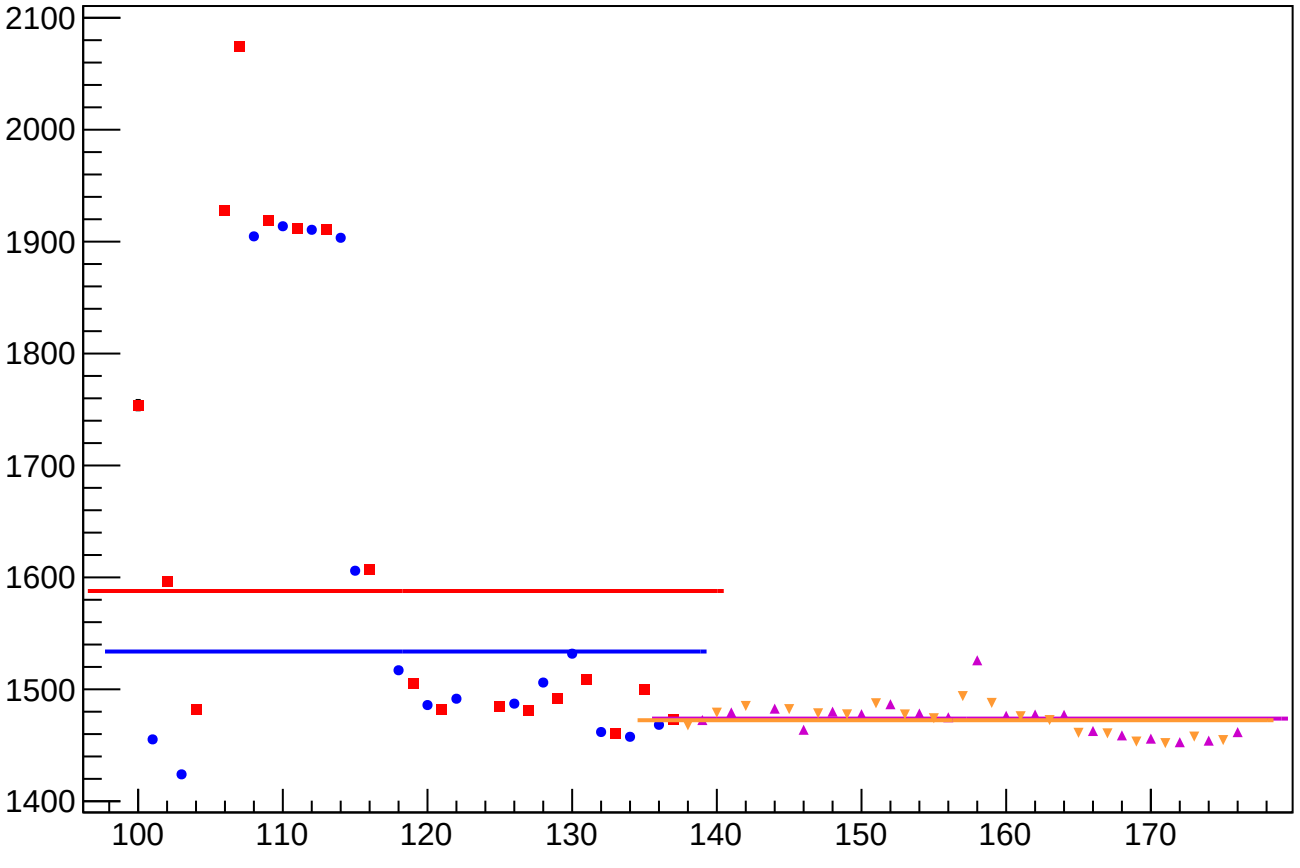
Left: 1559.419+/-266.305 χ^2/NDF: 40.8/37

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1747.314+/-312.989 χ^2/NDF:36.0/34

Out: 1507.685+/-319.077 χ^2/NDF:33.2/36

All: 1629.807+/-223.438 χ^2/NDF: 69.5/71



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1472.385+/-0.268 χ^2/NDF:2163.5/18

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

Left: 1473.120+/-0.188 χ^2/NDF: 5859.1/37

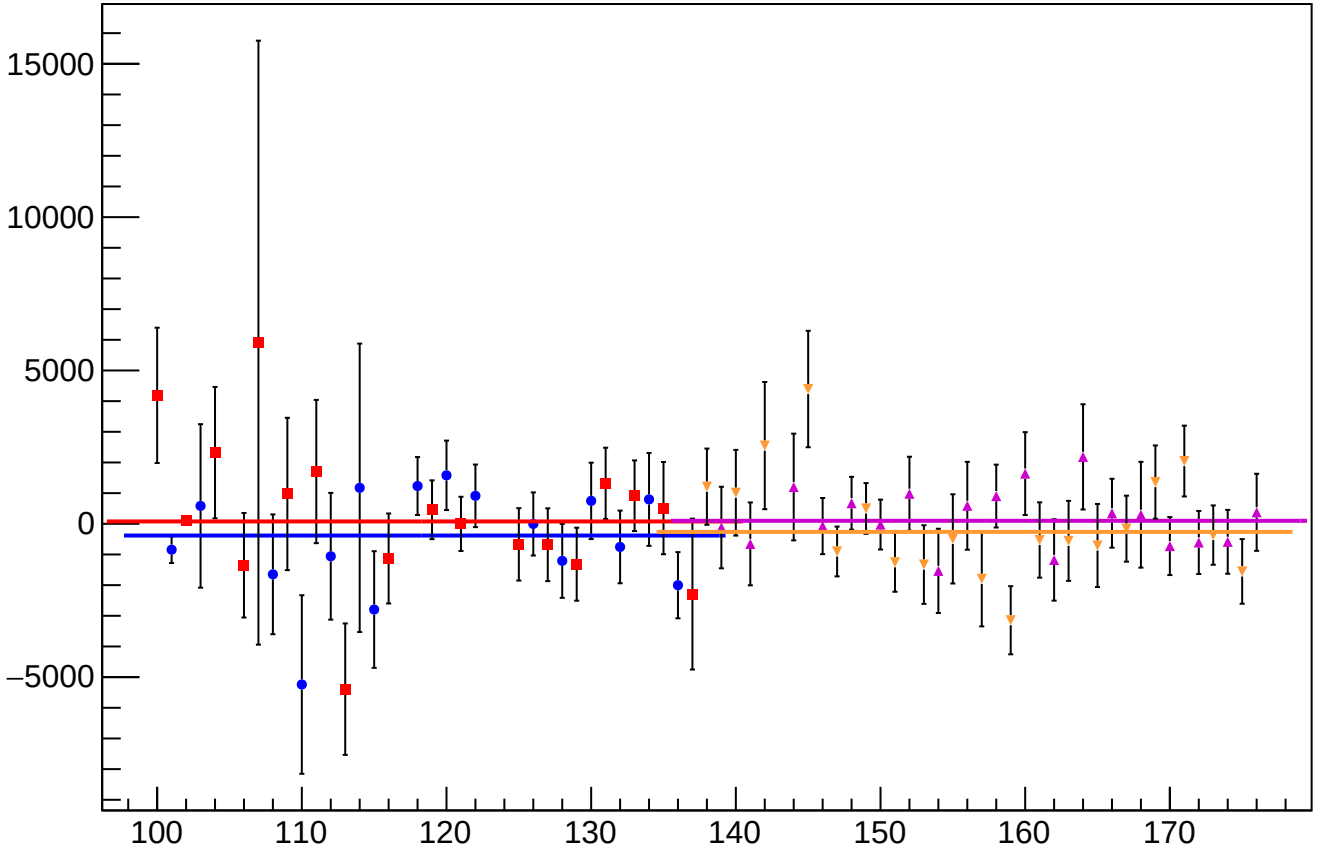
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1506.189+/-0.226 χ^2/NDF:230155.1/36

All: 1498.837+/-0.158 χ^2/NDF: 380569.0/71

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -263.165+/-266.151 χ^2/NDF:28.6/18

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 97.630+/-263.871 χ^2/NDF:9.4/18

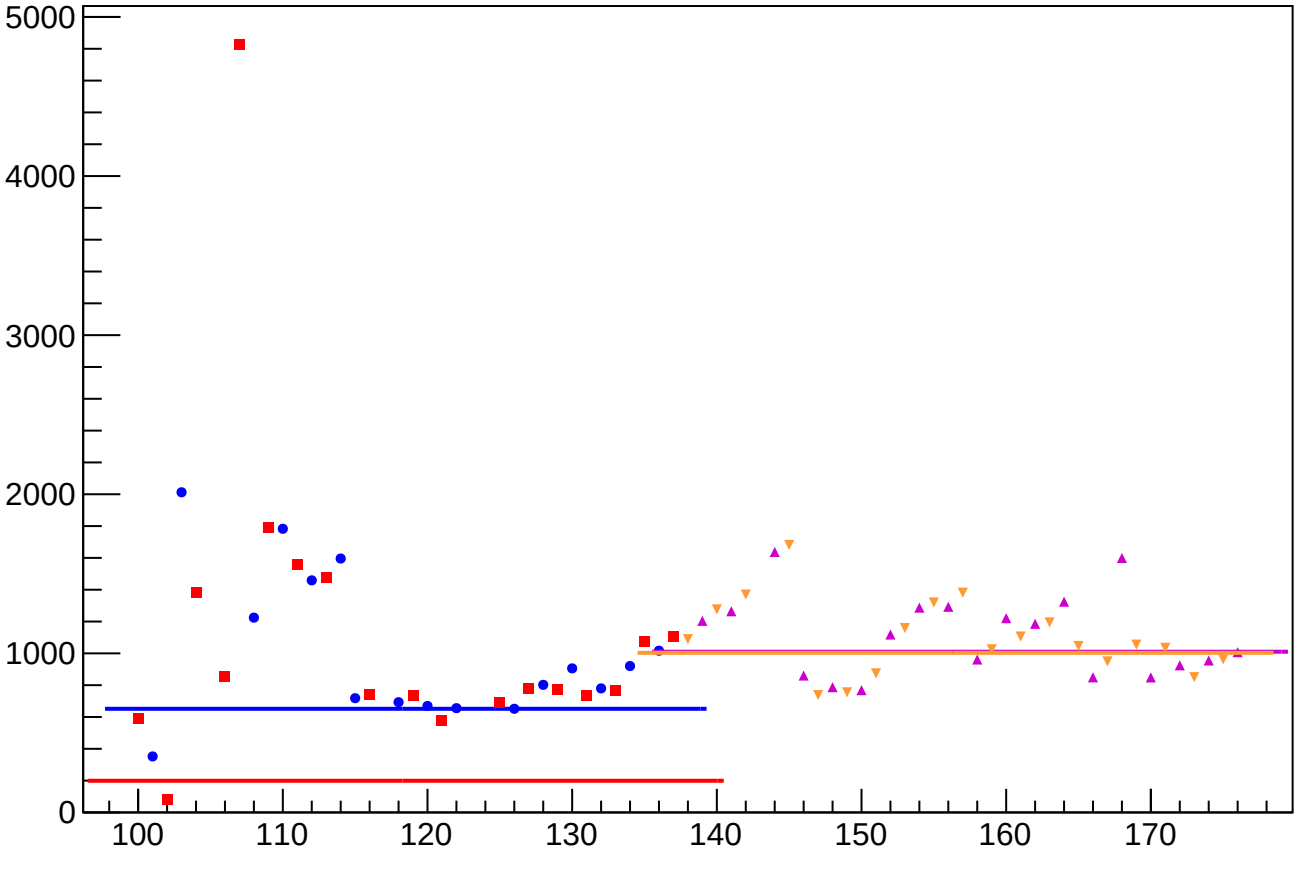
Left: -81.216+/-187.386 χ^2/NDF: 38.9/37

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -135.096+/-189.464 χ^2/NDF:29.2/34

Out: 4.619+/-122.607 χ^2/NDF:48.4/36

All: -36.620+/-102.934 χ^2/NDF: 78.0/71



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1003.306+/-0.188 χ^2/NDF:1199954.0/18

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

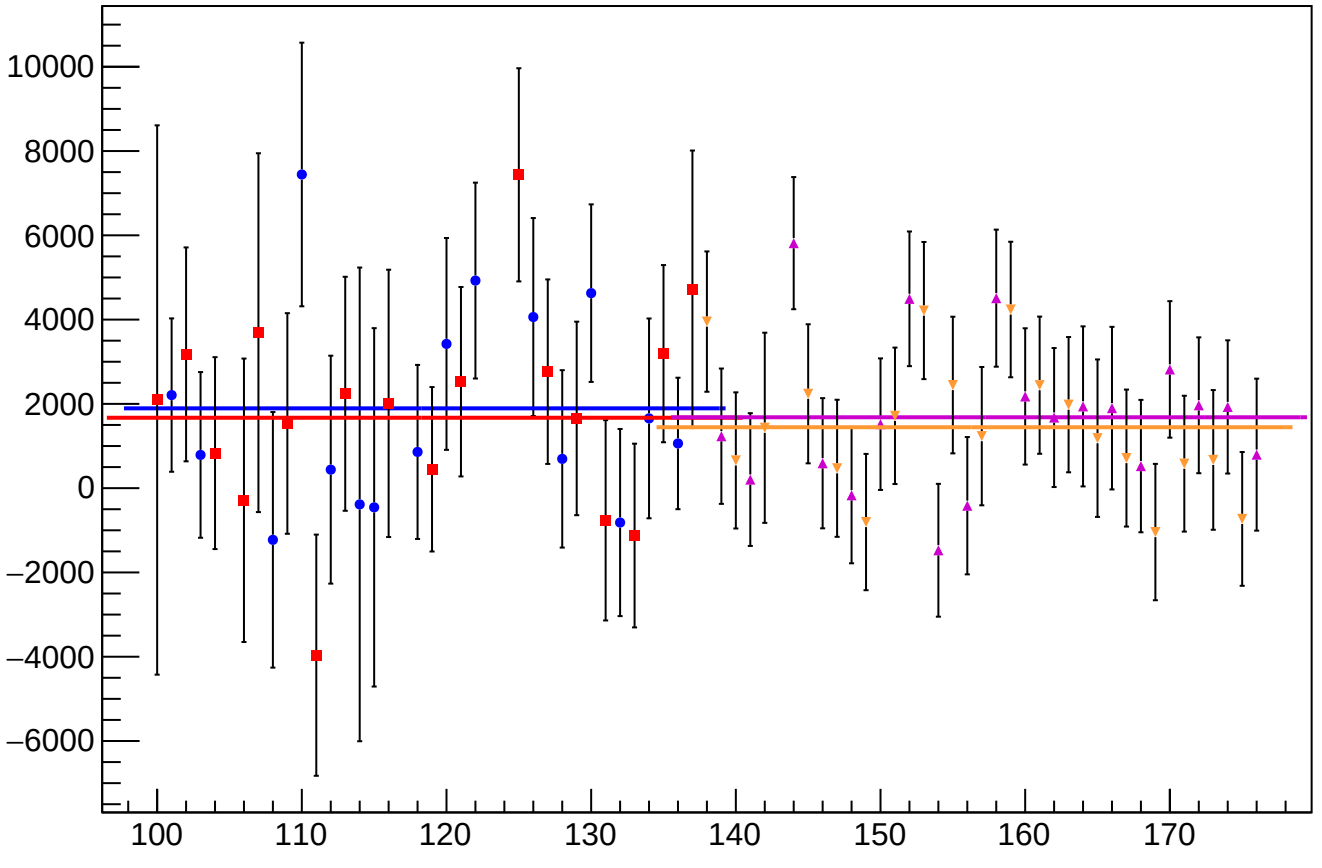
Left: 1006.858+/-0.133 χ^2/NDF: 2620943.3/37

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 836.515+/-0.134 χ^2/NDF:5974688.4/34

Out: 369.955+/-0.087 χ^2/NDF:24861251.0/36

All: 507.667+/-0.073 χ^2/NDF: 39384233.1/71



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1445.717+/-380.049 χ^2/NDF:16.8/18

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1682.297+/-374.382 χ^2/NDF:23.0/18

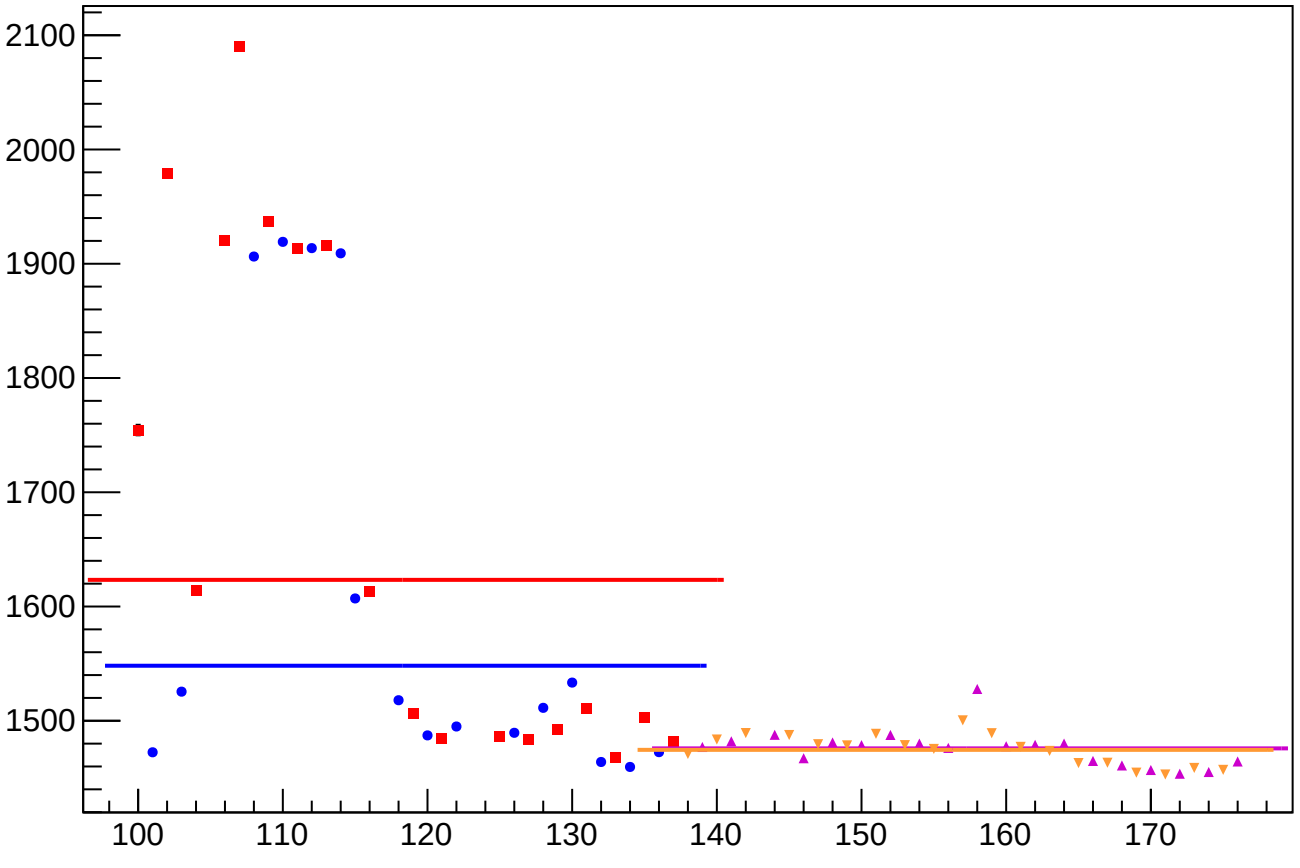
Left: 1565.783+/-266.709 χ^2/NDF: 40.0/37

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1744.972+/-314.166 χ^2/NDF:35.3/34

Out: 1509.467+/-321.796 χ^2/NDF:32.0/36

All: 1630.044+/-224.798 χ^2/NDF: 67.6/71



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

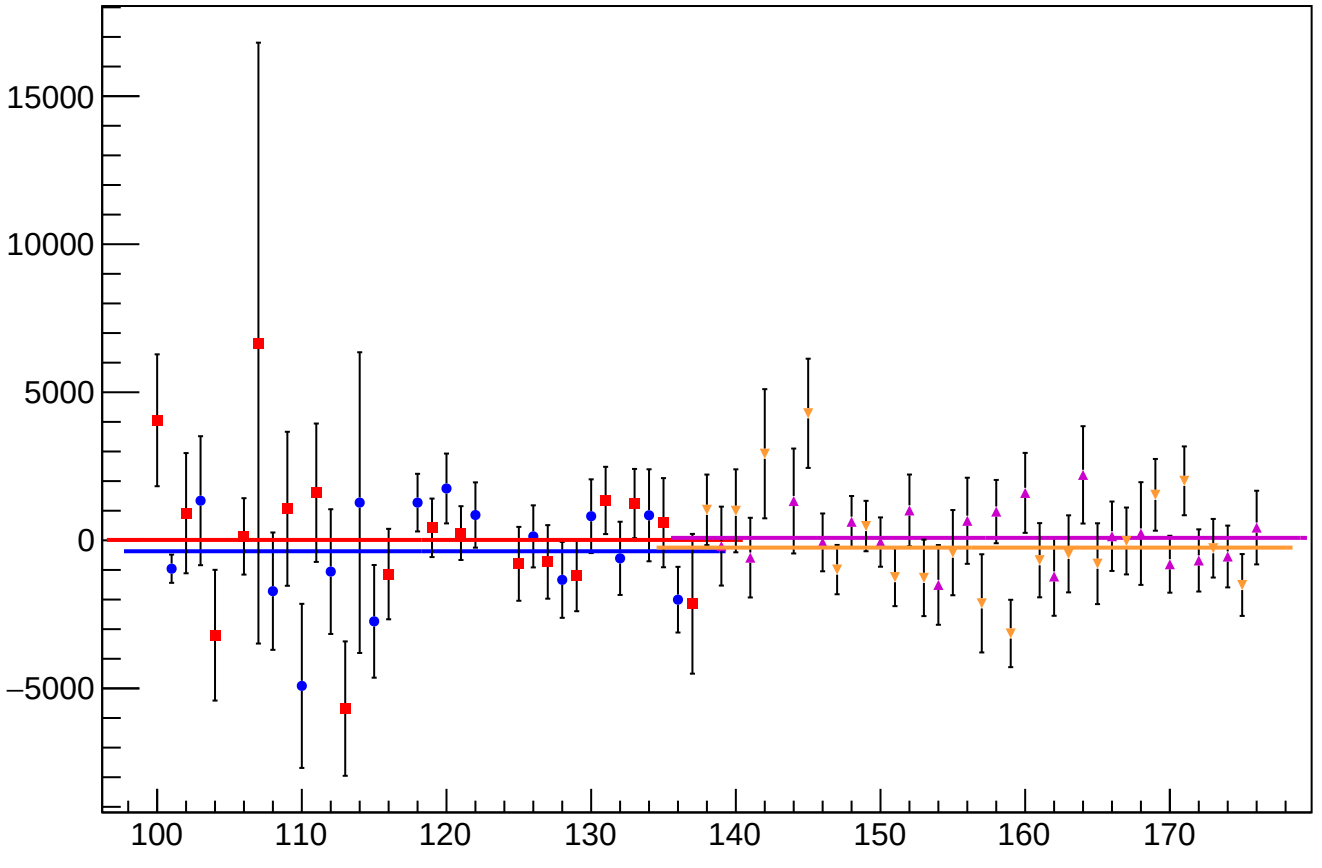
Left: 1475.207+/-0.189 χ^2/NDF: 6156.4/37

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1497.238+/-0.222 χ^2/NDF:145734.9/34

Out: 1516.667+/-0.228 χ^2/NDF:300689.8/36

All: 1506.720+/-0.159 χ^2/NDF: 450157.7/71



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -245.755+/-270.062 χ^2/NDF:28.8/18

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 83.045+/-267.903 χ^2/NDF:9.8/18

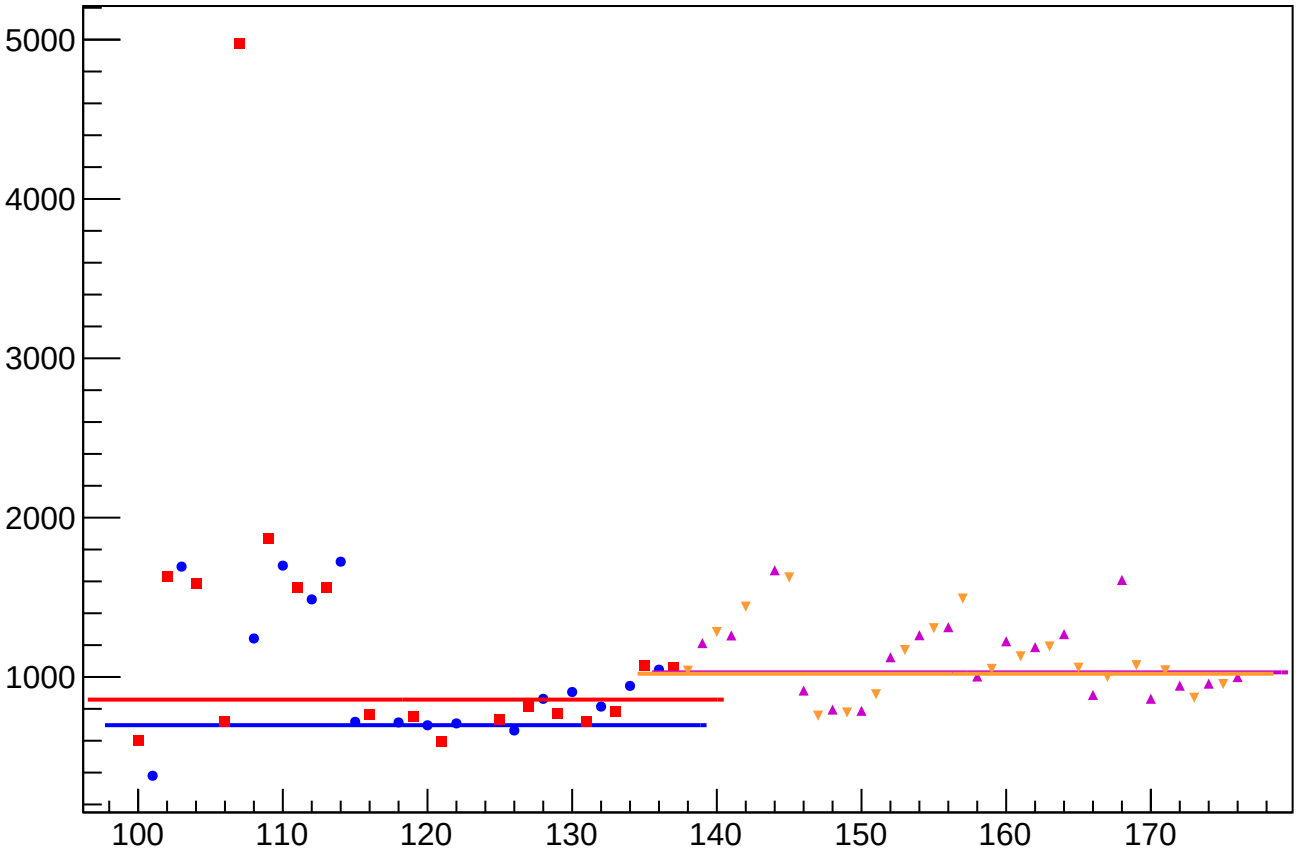
Left: -80.035+/-190.195 χ^2/NDF: 39.4/37

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -127.635+/-195.705 χ^2/NDF:30.0/34

Out: -145.940+/-211.846 χ^2/NDF:48.2/36

All: -136.064+/-143.752 χ^2/NDF: 78.3/71



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1020.404+/-0.191 χ^2/NDF:1136306.1/18

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1029.033+/-0.189 χ^2/NDF:1296261.2/18

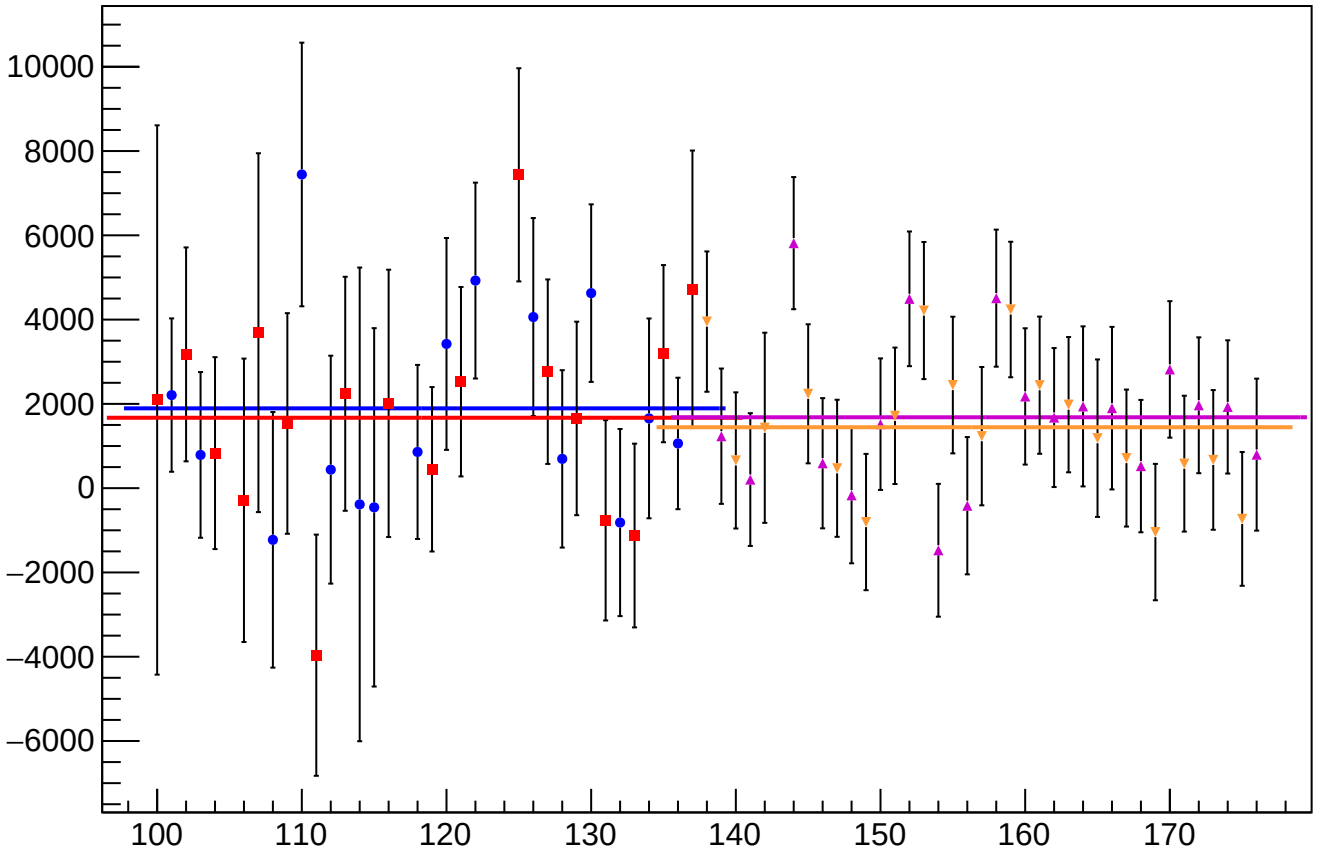
Left: 1024.753+/-0.134 χ^2/NDF: 2433596.2/37

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 874.427+/-0.138 χ^2/NDF:5160119.6/34

Out: 957.970+/-0.150 χ^2/NDF:3296359.3/36

All: 912.895+/-0.102 χ^2/NDF: 8624296.1/71



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1445.715+/-380.049 χ^2/NDF:16.8/18

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1682.298+/-374.382 χ^2/NDF:23.0/18

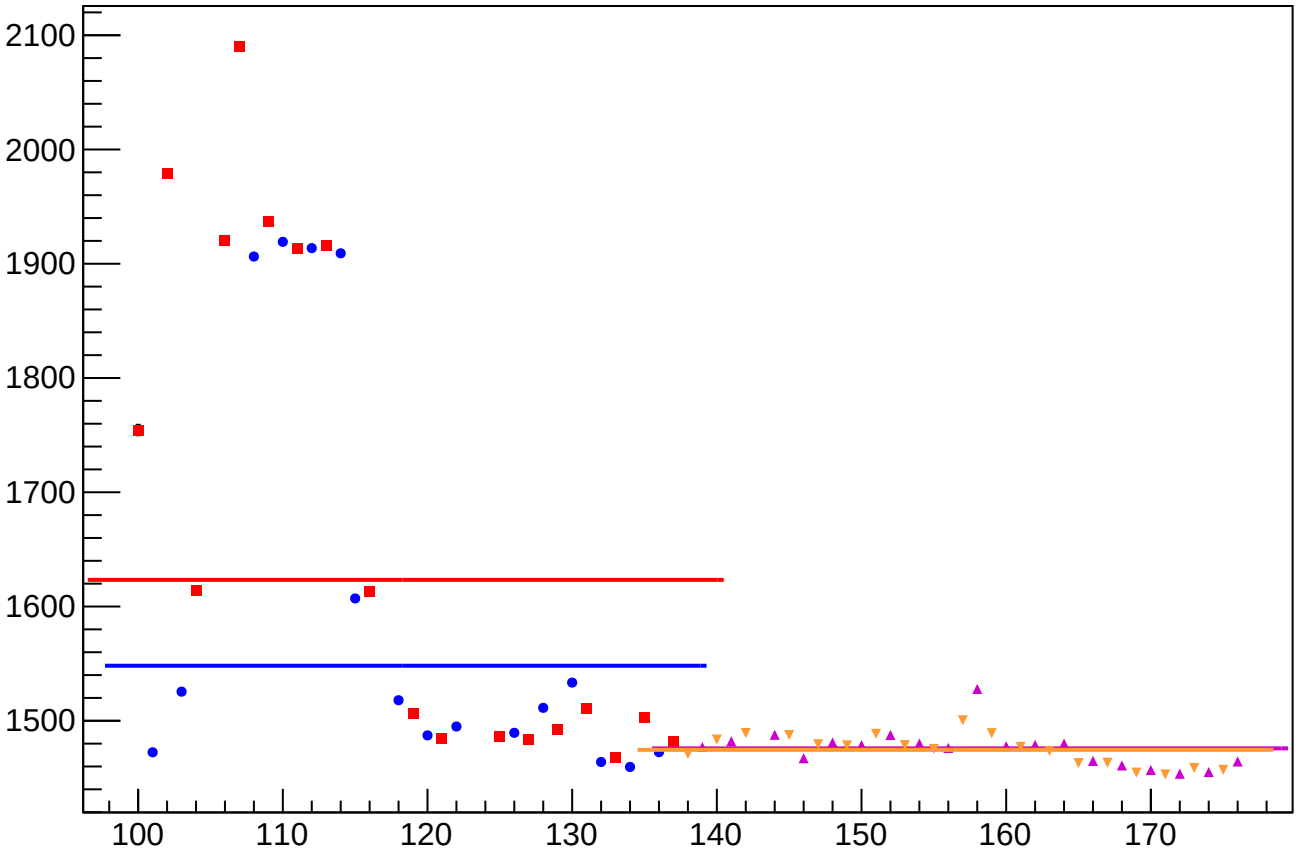
Left: 1565.783+/-266.709 χ^2/NDF: 40.0/37

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1744.972+/-314.166 χ^2/NDF:35.3/34

Out: 1509.465+/-321.796 χ^2/NDF:32.0/36

All: 1630.044+/-224.798 χ^2/NDF: 67.6/71



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.555+/-0.269 χ^2/NDF:2400.0/18

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

Left: 1475.207+/-0.189 χ^2/NDF: 6156.4/37

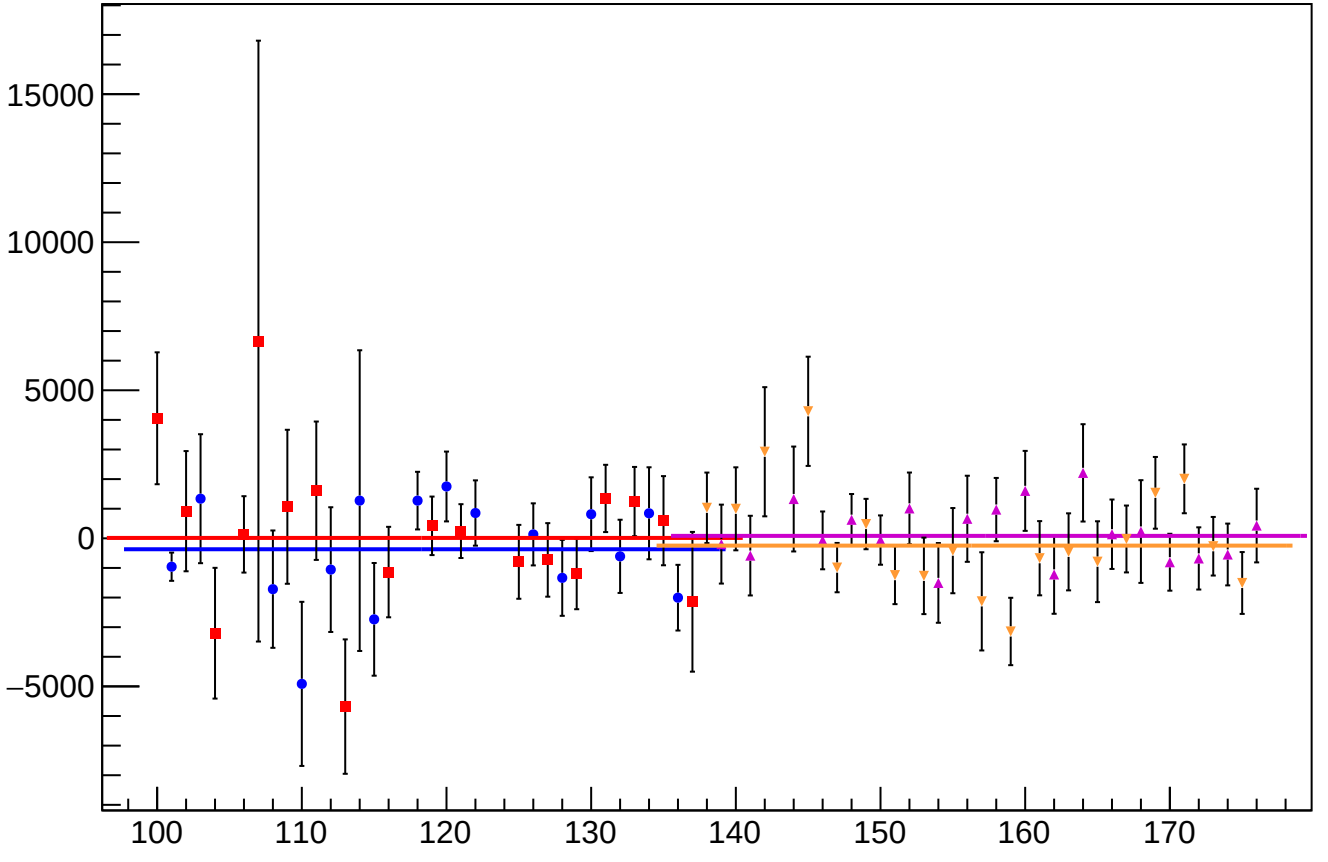
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1497.238+/-0.222 χ^2/NDF:145734.8/34

Out: 1516.667+/-0.228 χ^2/NDF:300689.3/36

All: 1506.720+/-0.159 χ^2/NDF: 450157.2/71

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: -245.758+/-270.063 χ^2/NDF:28.8/18

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 83.045+/-267.903 χ^2/NDF:9.8/18

Left: -80.036+/-190.195 χ^2/NDF: 39.4/37

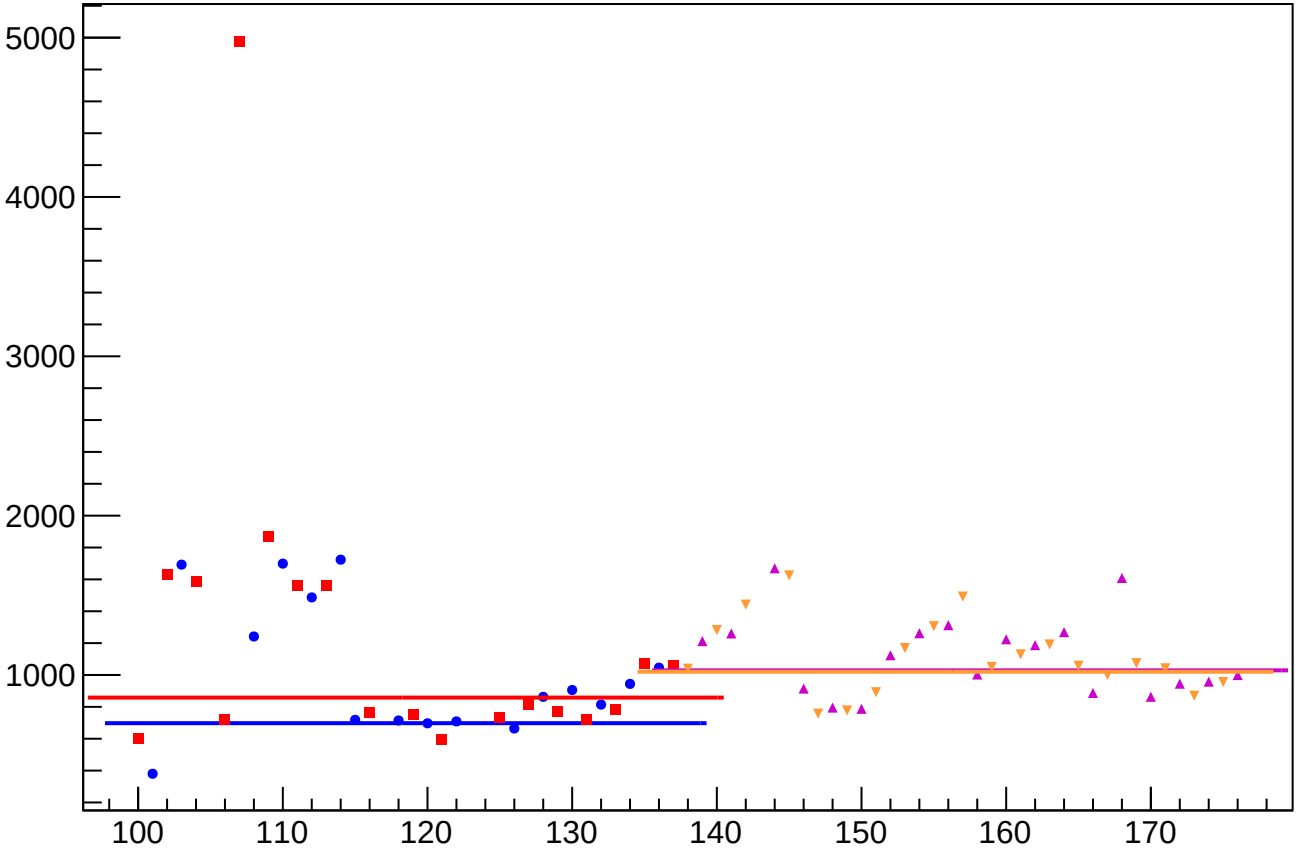
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -127.634+/-195.705 χ^2/NDF:30.0/34

Out: -145.941+/-211.846 χ^2/NDF:48.2/36

All: -136.064+/-143.752 χ^2/NDF: 78.3/71

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: 1020.406+/-0.191 χ^2/NDF:1136304.4/18

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1029.034+/-0.189 χ^2/NDF:1296257.6/18

Left: 1024.755+/-0.134 χ^2/NDF: 2433591.0/37

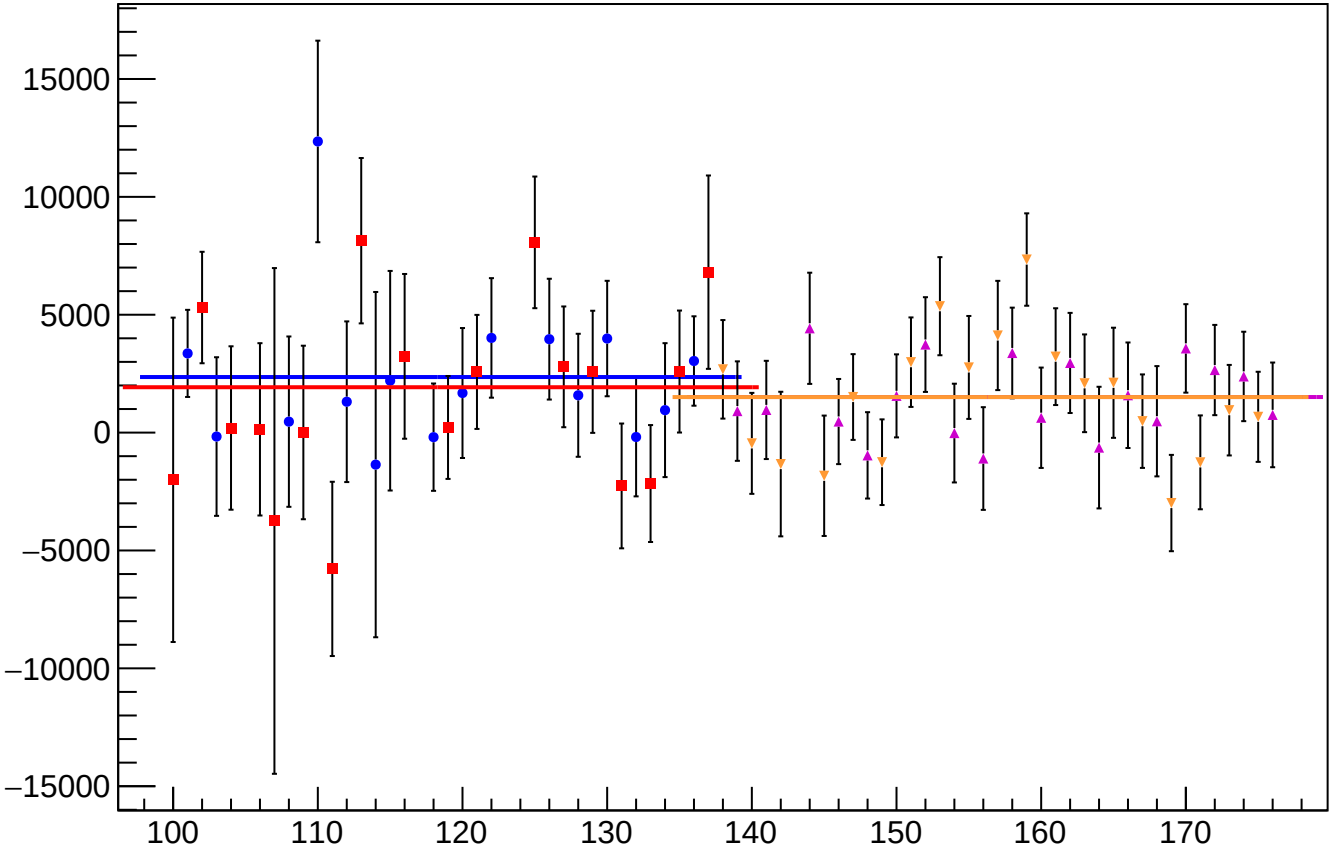
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 874.427+/-0.138 χ^2/NDF:5160120.7/34

Out: 957.970+/-0.150 χ^2/NDF:3296378.2/36

All: 912.895+/-0.102 χ^2/NDF: 8624313.9/71

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1507.292+/-475.587 χ^2/NDF:28.7/18

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1509.133+/-469.795 χ^2/NDF:11.4/18

Left: 1508.224+/-334.224 χ^2/NDF: 40.1/37

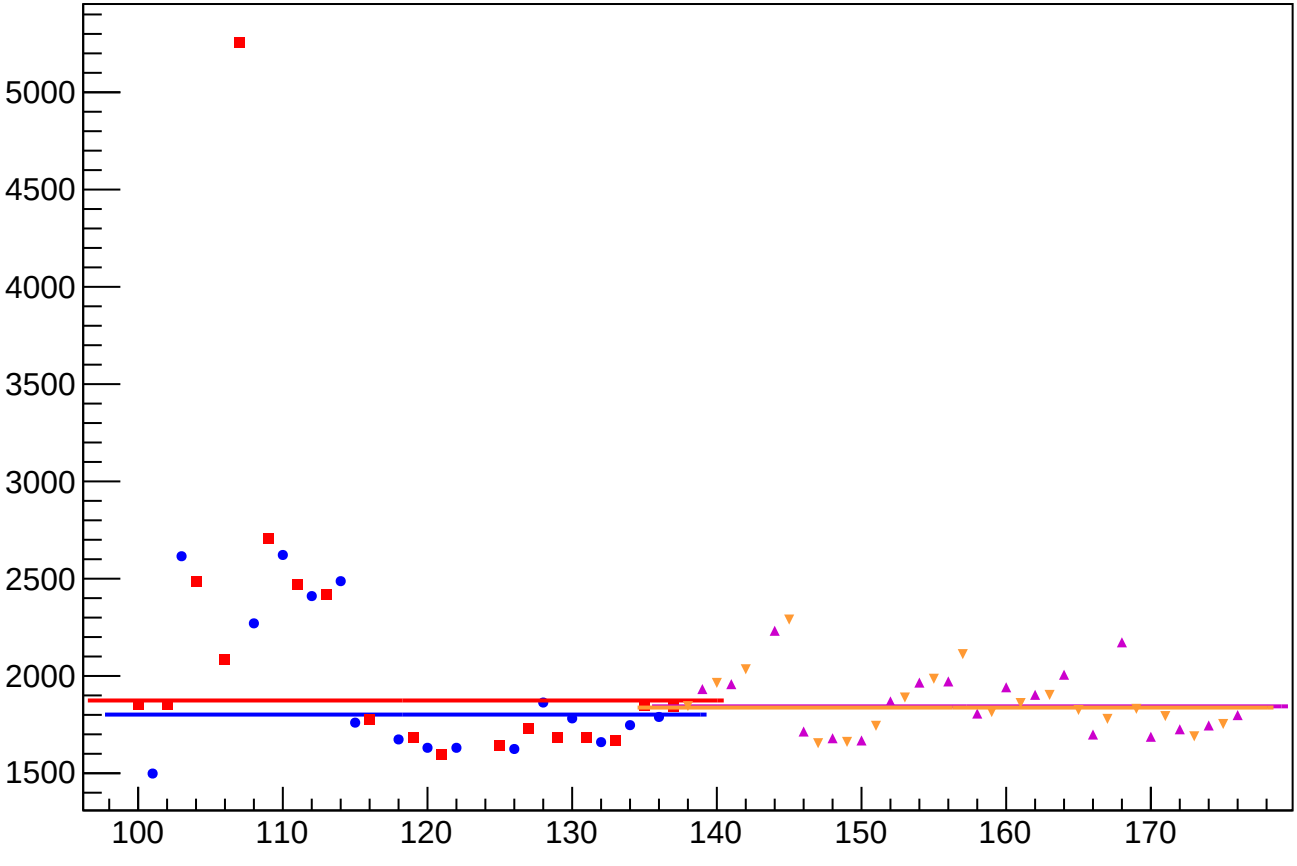
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1783.649+/-386.326 χ^2/NDF:23.5/34

Out: 1637.415+/-394.580 χ^2/NDF:52.4/36

All: 1712.078+/-276.046 χ^2/NDF: 75.9/71

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1837.626+/-0.336 χ^2/NDF:181584.5/18

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1843.827+/-0.332 χ^2/NDF:214047.9/18

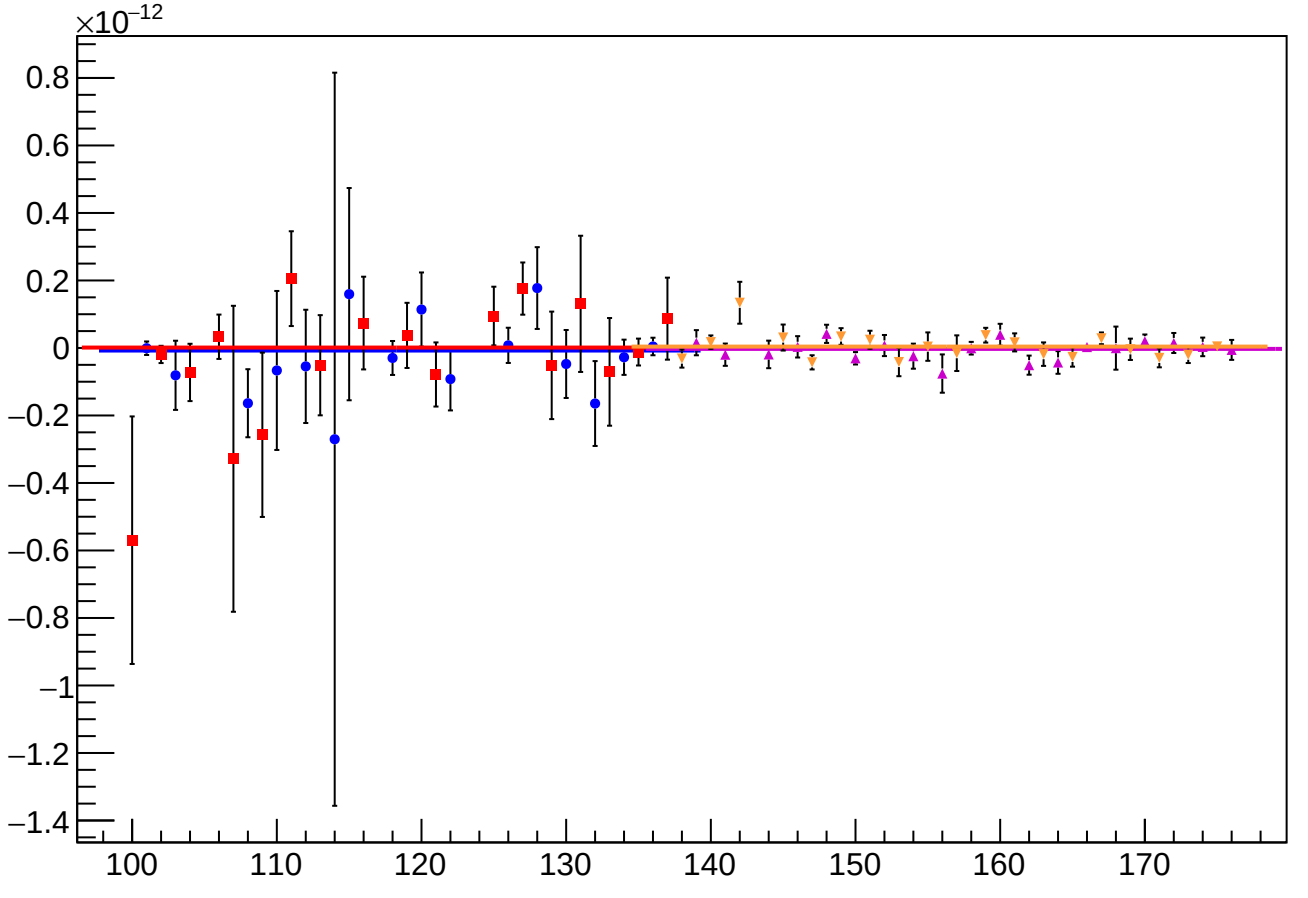
Left: 1840.764+/-0.236 χ^2/NDF: 395804.5/37

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1830.132+/-0.273 χ^2/NDF:619999.7/34

Out: 1848.954+/-0.279 χ^2/NDF:755134.8/36

All: 1839.344+/-0.195 χ^2/NDF: 1377458.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

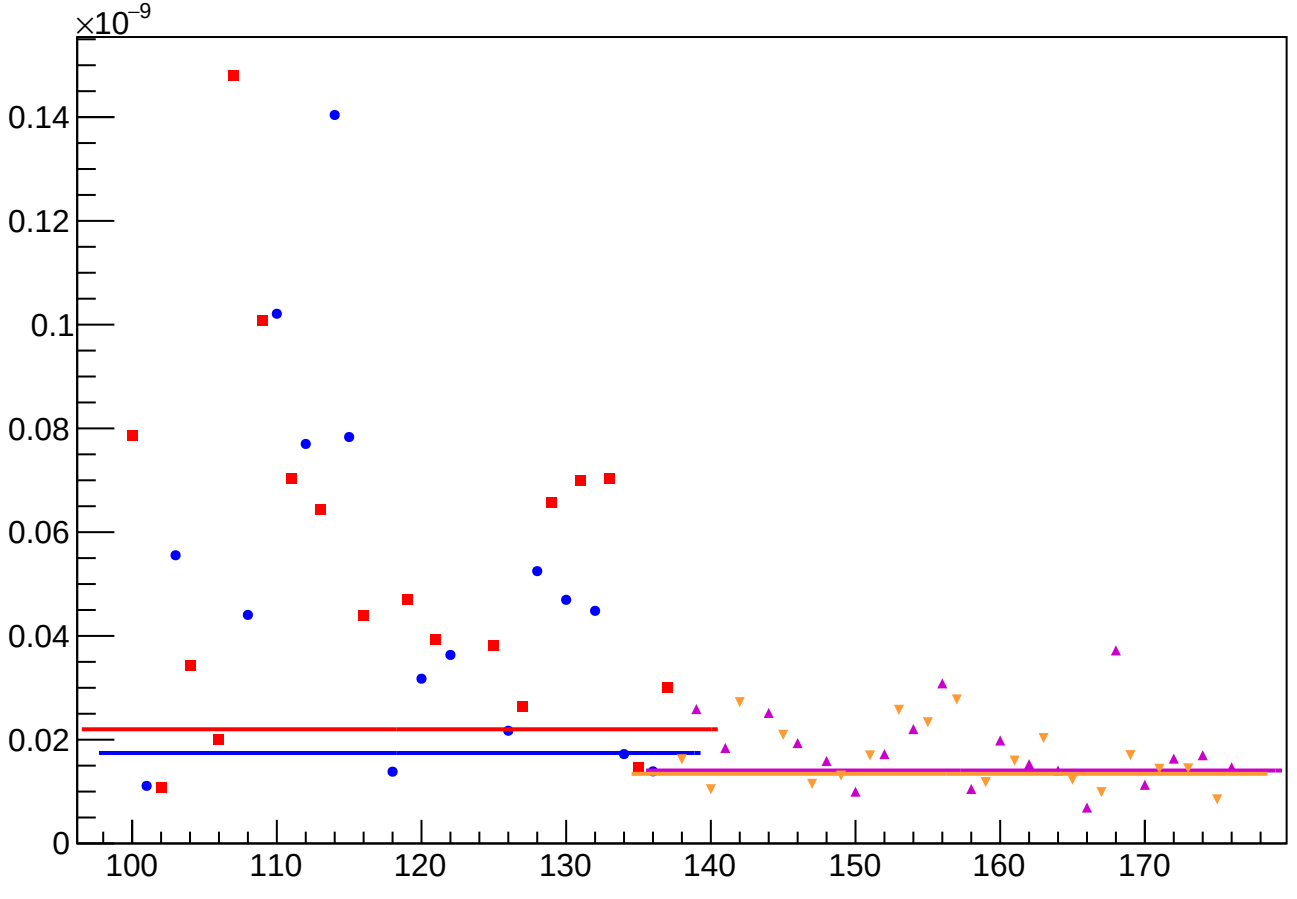
Left: 0.000+/-0.000 χ^2/NDF: 40.2/37

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: 0.000+/-0.000 χ^2/NDF:40.6/36

All: 0.000+/-0.000 χ^2/NDF: 67.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1169128.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1772170.0/18

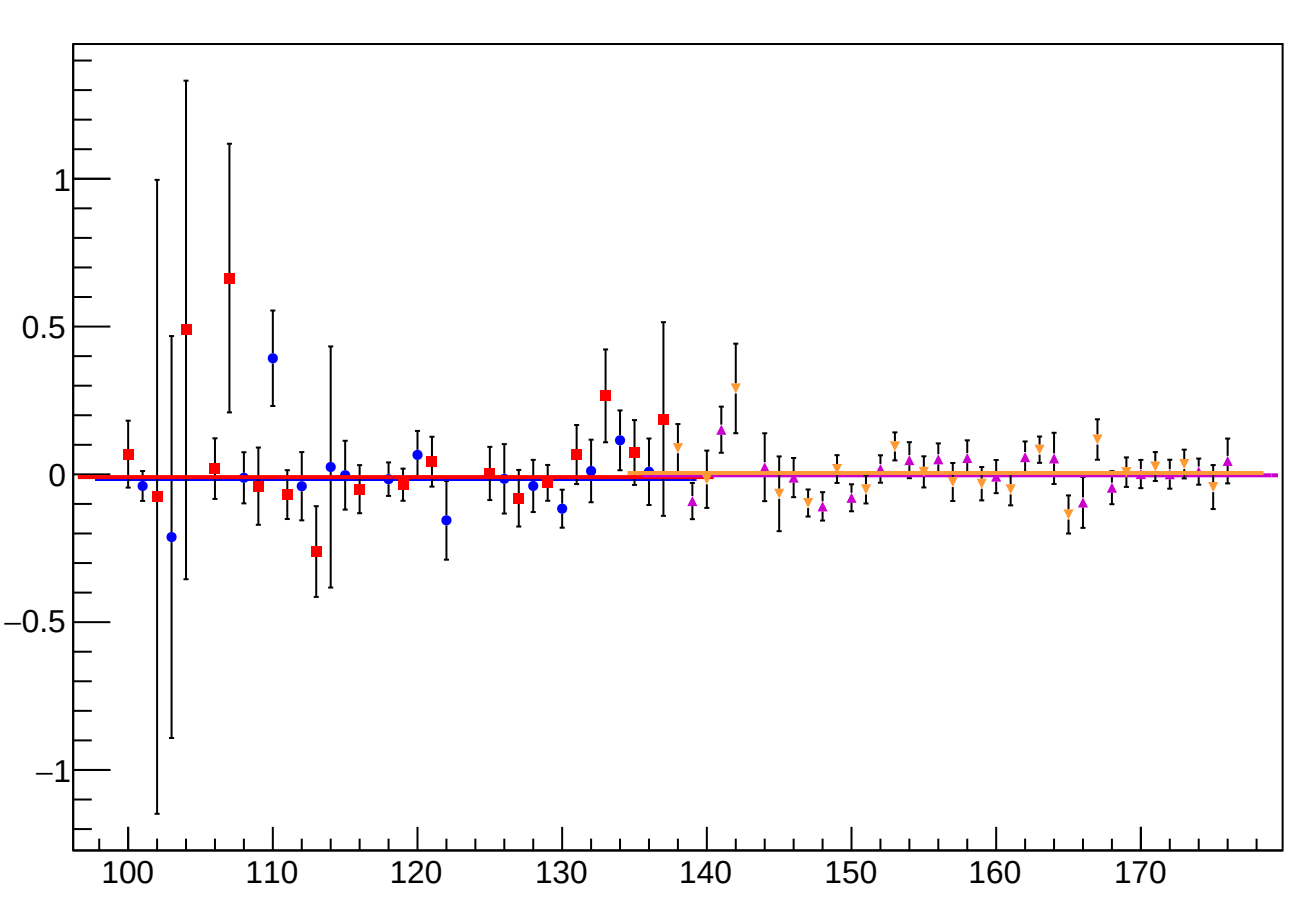
Left: 0.000+/-0.000 χ^2/NDF: 2952430.3/37

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3720749.0/34

Out: 0.000+/-0.000 χ^2/NDF:3715967.3/36

All: 0.000+/-0.000 χ^2/NDF: 7440420.2/71



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

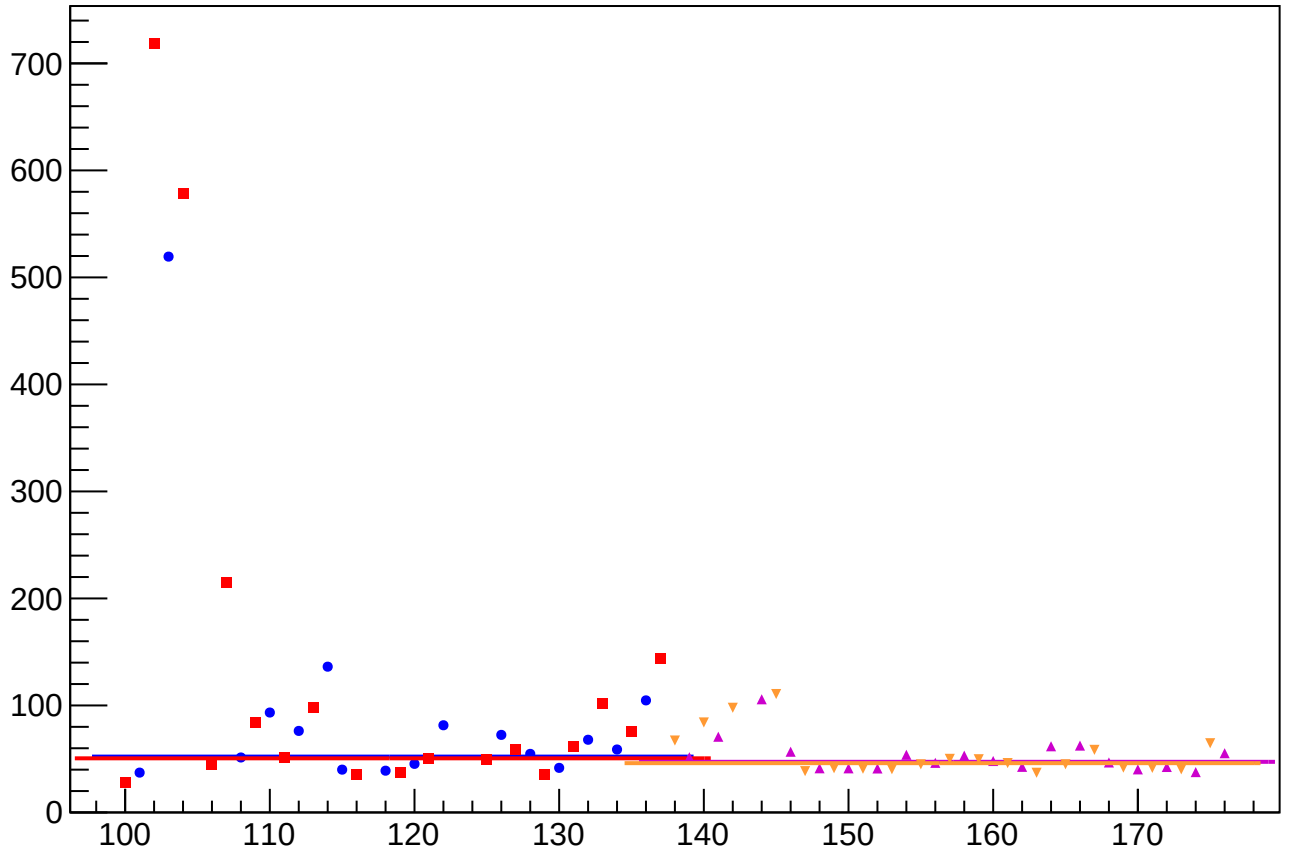
Left: 0.001+/-0.009 χ^2/NDF: 48.8/37

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.002+/-0.008 χ^2/NDF: 75.0/71



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

Left: 46.694+/-0.007 χ^2/NDF: 2890532.9/37

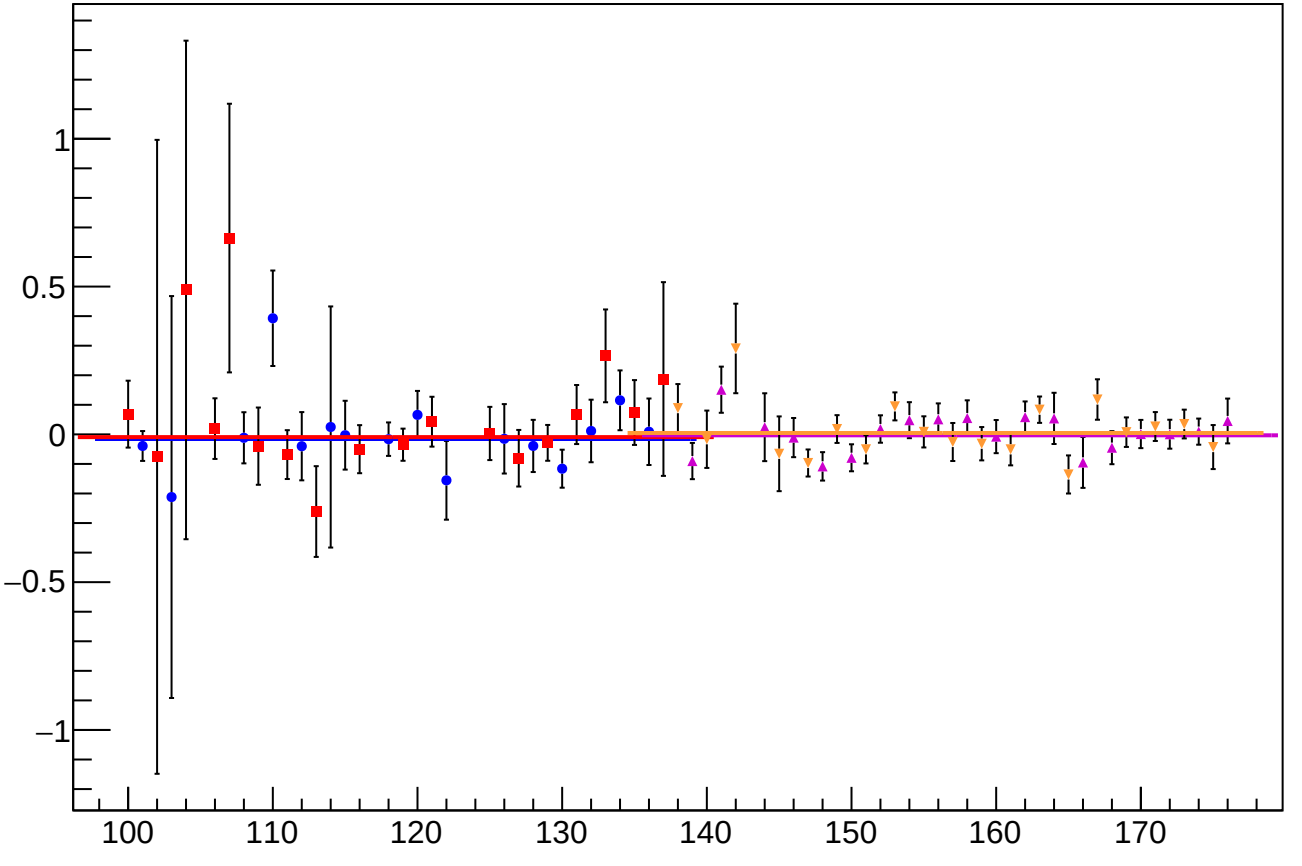
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.543+/-0.008 χ^2/NDF:3545483.2/34

Out: 47.135+/-0.008 χ^2/NDF:4779495.8/36

All: 47.846+/-0.006 χ^2/NDF: 8340208.2/71

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: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

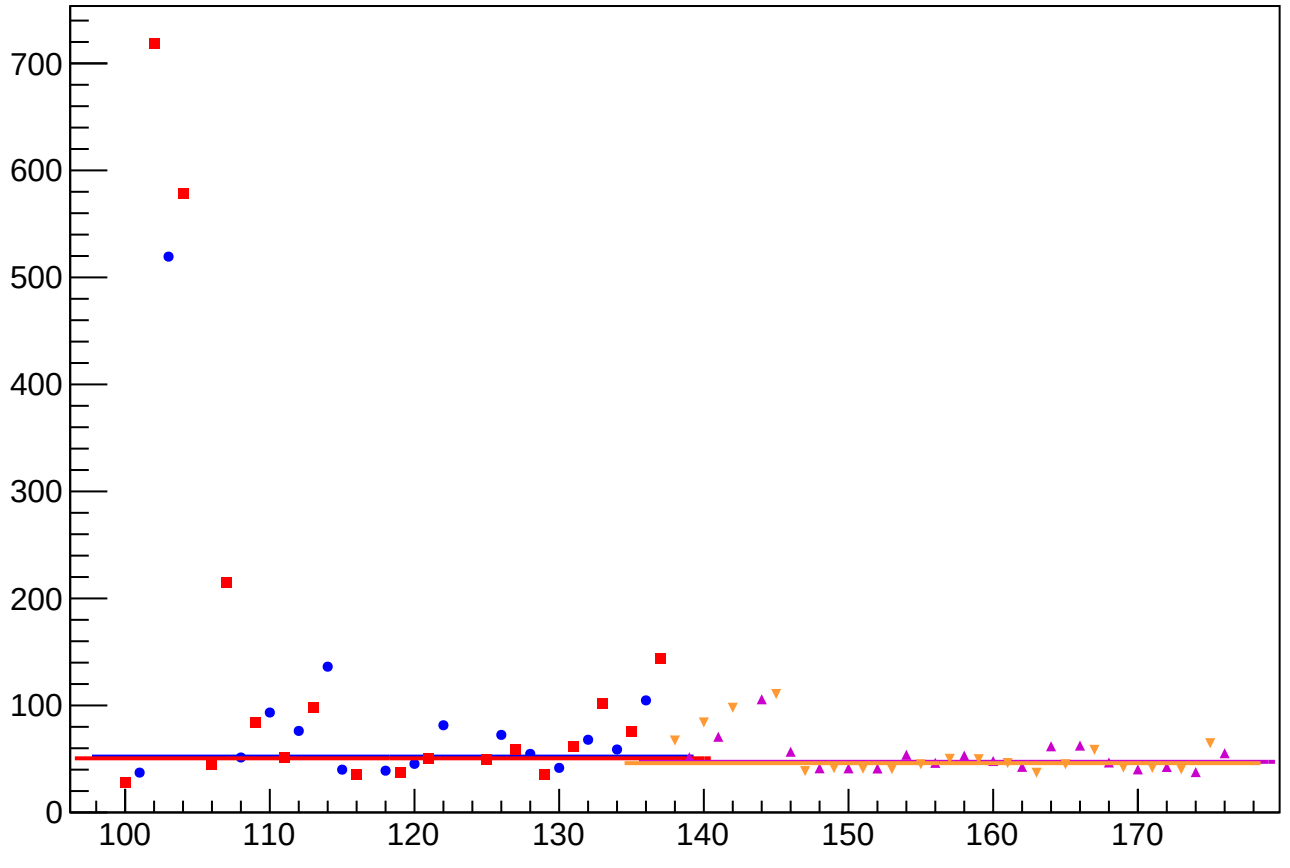
Left: 0.001+/-0.009 χ^2/NDF: 48.8/37

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.002+/-0.008 χ^2/NDF: 75.0/71



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.070+/-0.009 χ^2/NDF:1672259.1/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

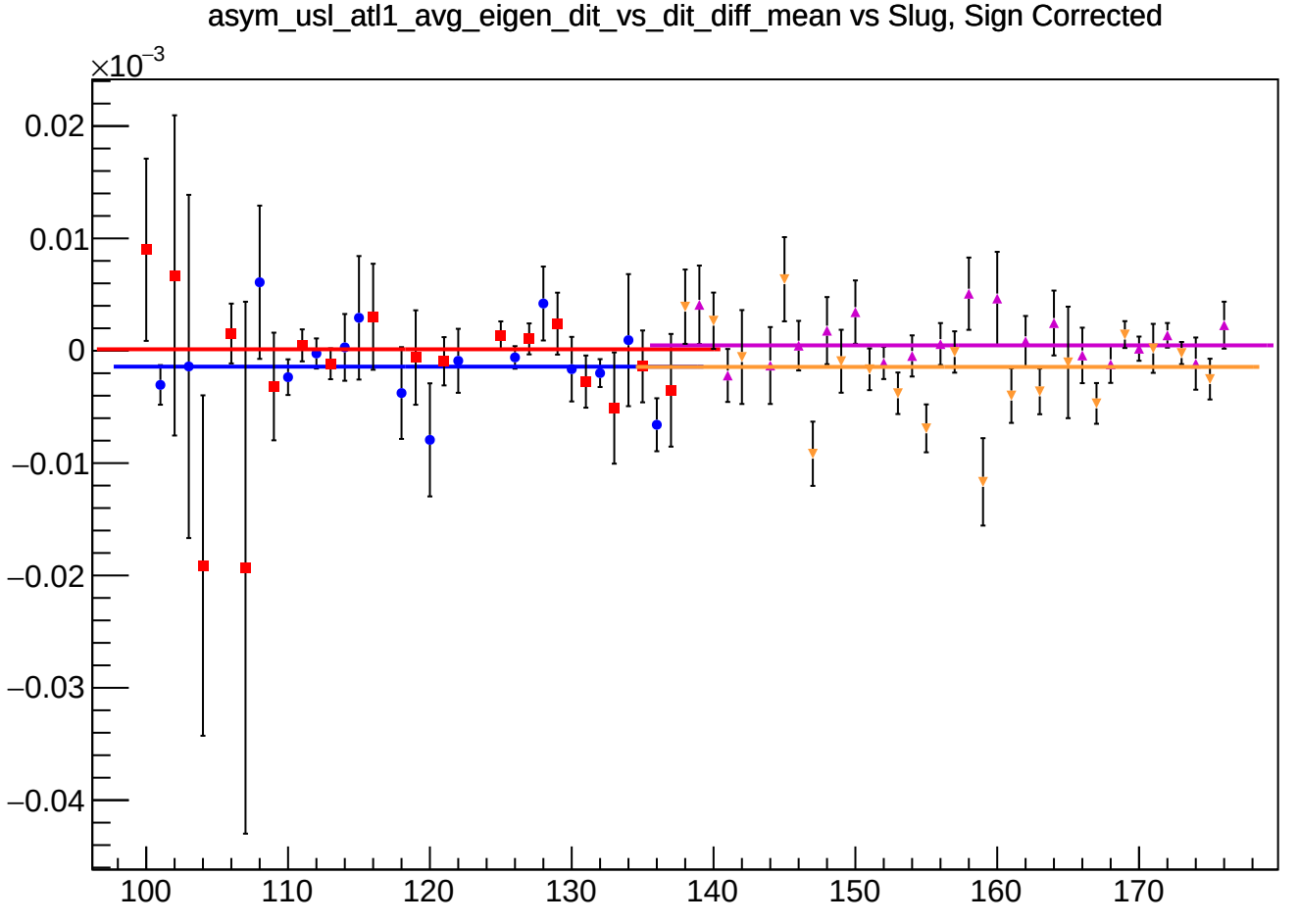
Left: 46.694+/-0.007 χ^2/NDF: 2890532.9/37

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.543+/-0.008 χ^2/NDF:3545483.2/34

Out: 47.135+/-0.008 χ^2/NDF:4779495.8/36

All: 47.846+/-0.006 χ^2/NDF: 8340208.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

Left: -0.000+/-0.000 χ^2/NDF: 67.5/37

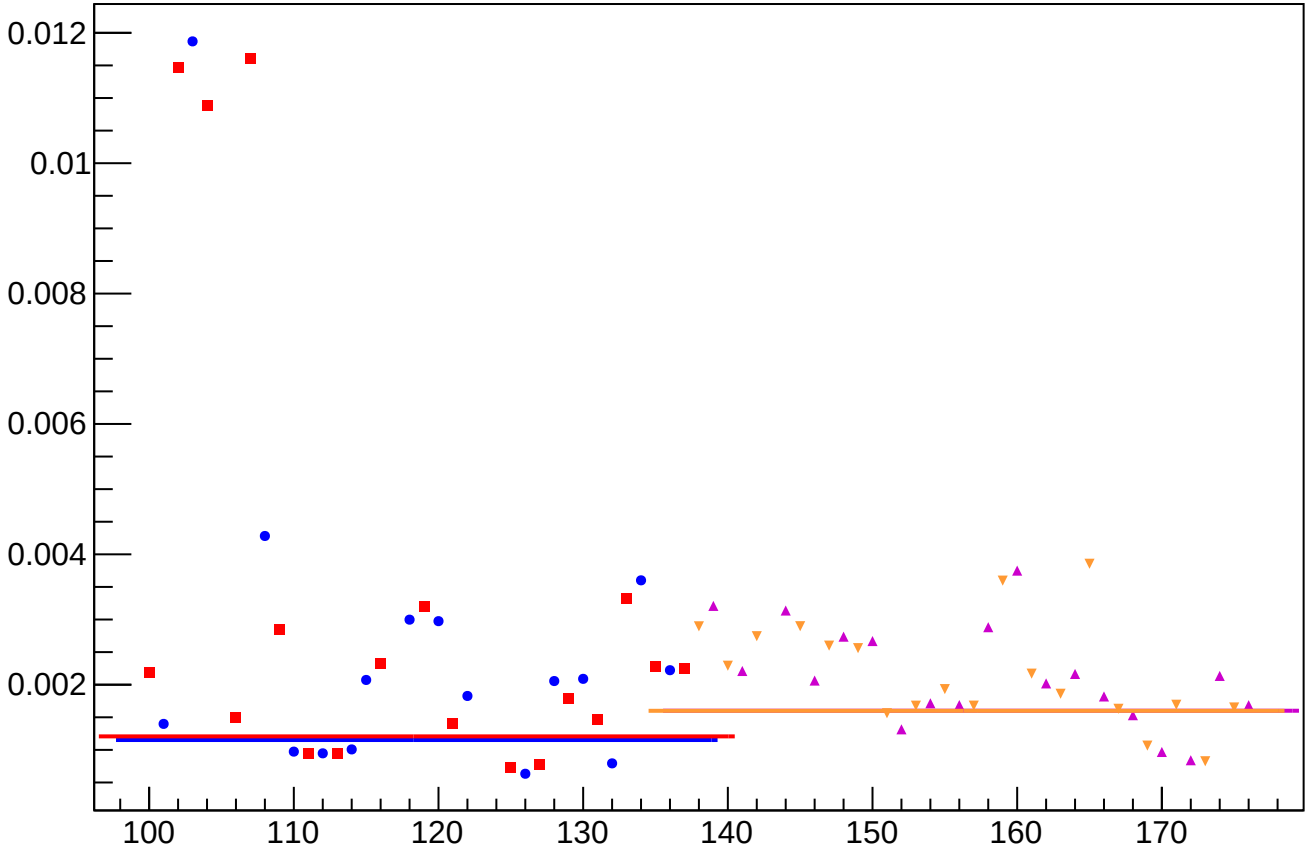
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:34.7/34

Out: -0.000+/-0.000 χ^2/NDF:62.8/36

All: -0.000+/-0.000 χ^2/NDF: 98.4/71

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:4103637.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4494278.7/18

Left: 0.002+/-0.000 χ^2/NDF: 8597920.6/37

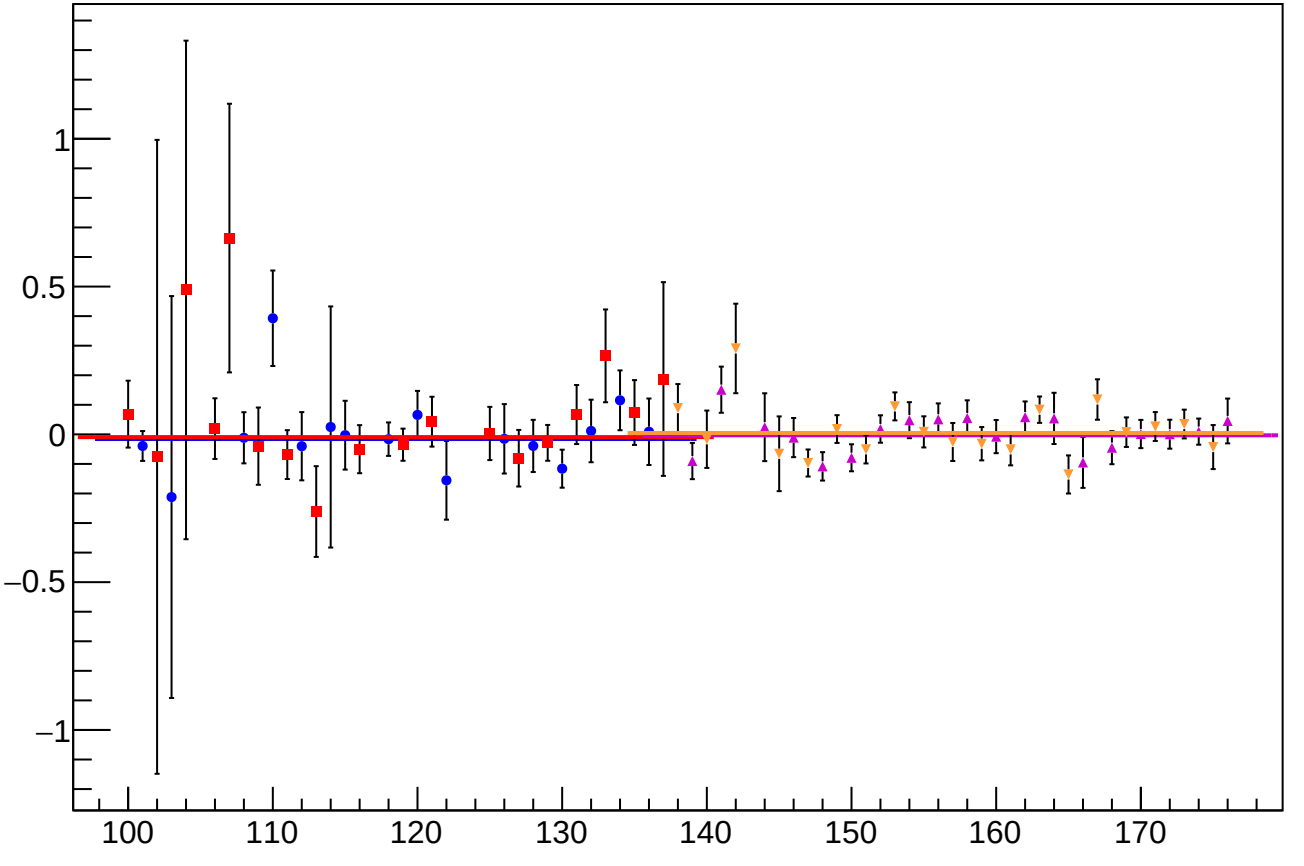
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9543822.4/34

Out: 0.001+/-0.000 χ^2/NDF:9218964.0/36

All: 0.001+/-0.000 χ^2/NDF: 18772405.2/71

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

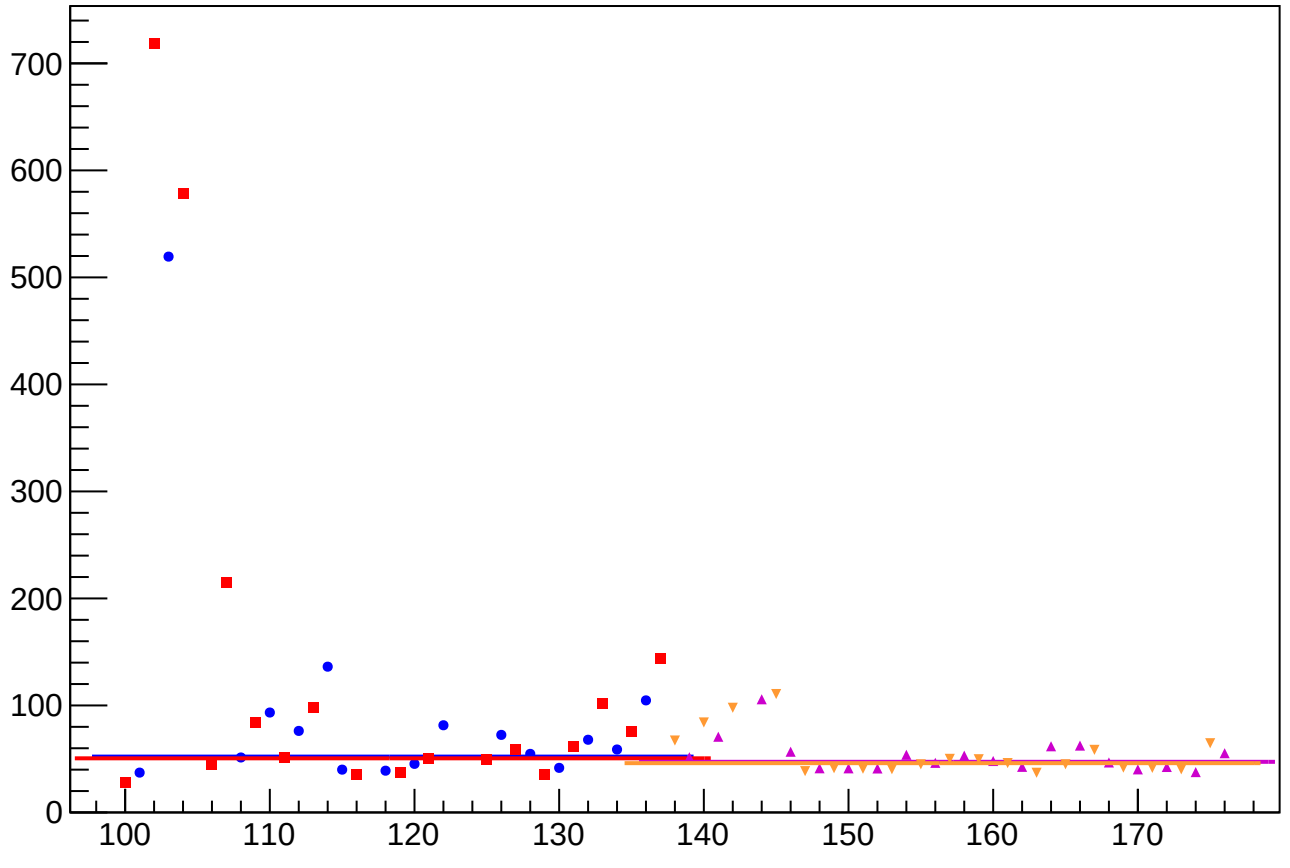
Left: 0.001+/-0.009 χ^2/NDF: 48.8/37

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.002+/-0.008 χ^2/NDF: 75.0/71



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.071+/-0.009 χ^2/NDF:1672234.7/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

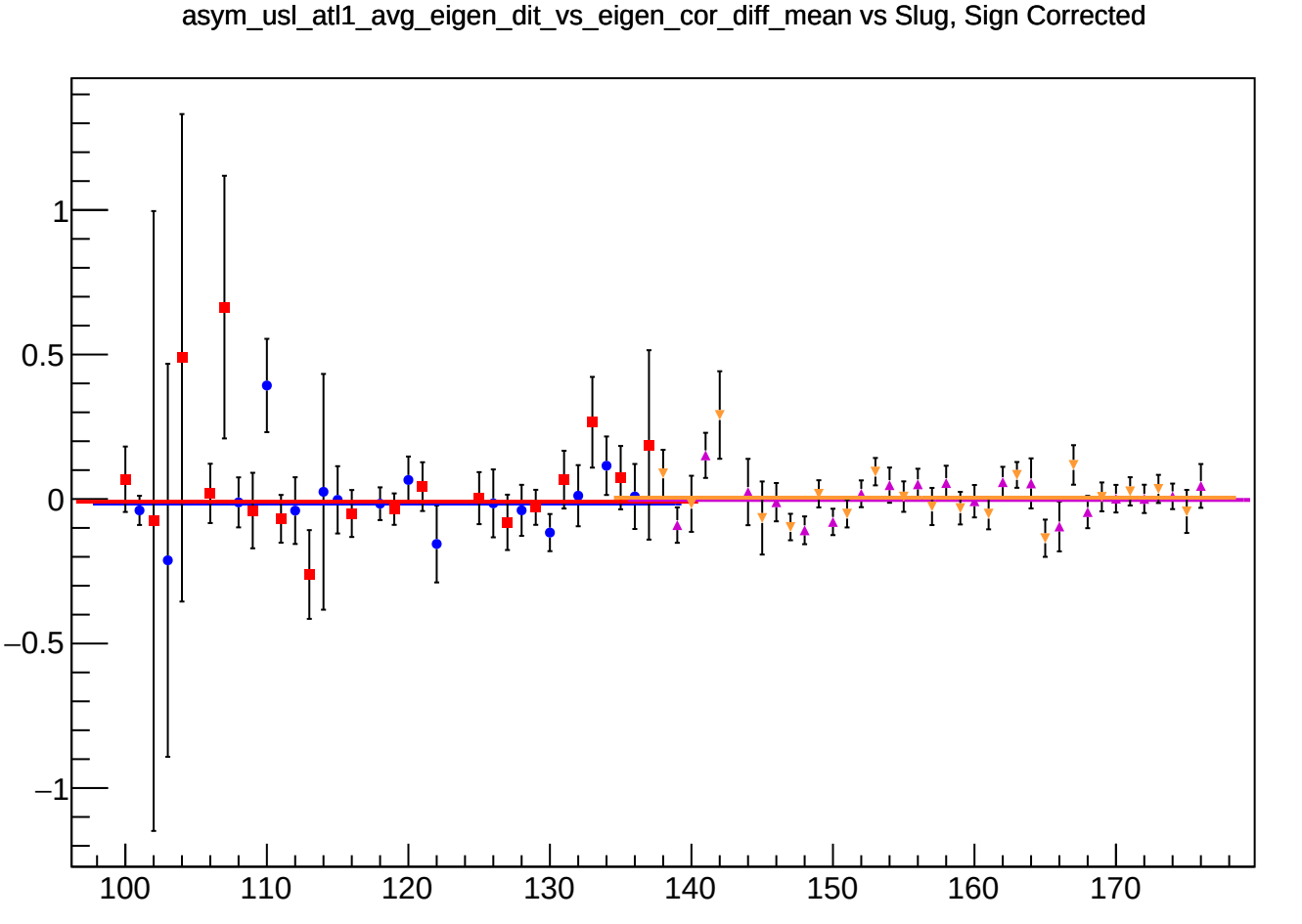
Left: 46.694+/-0.007 χ^2/NDF: 2890506.1/37

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.543+/-0.008 χ^2/NDF:3545470.5/34

Out: 47.135+/-0.008 χ^2/NDF:4779445.5/36

All: 47.846+/-0.006 χ^2/NDF: 8340143.9/71



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/18

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

Left: 0.001+/-0.009 χ^2/NDF: 48.8/37

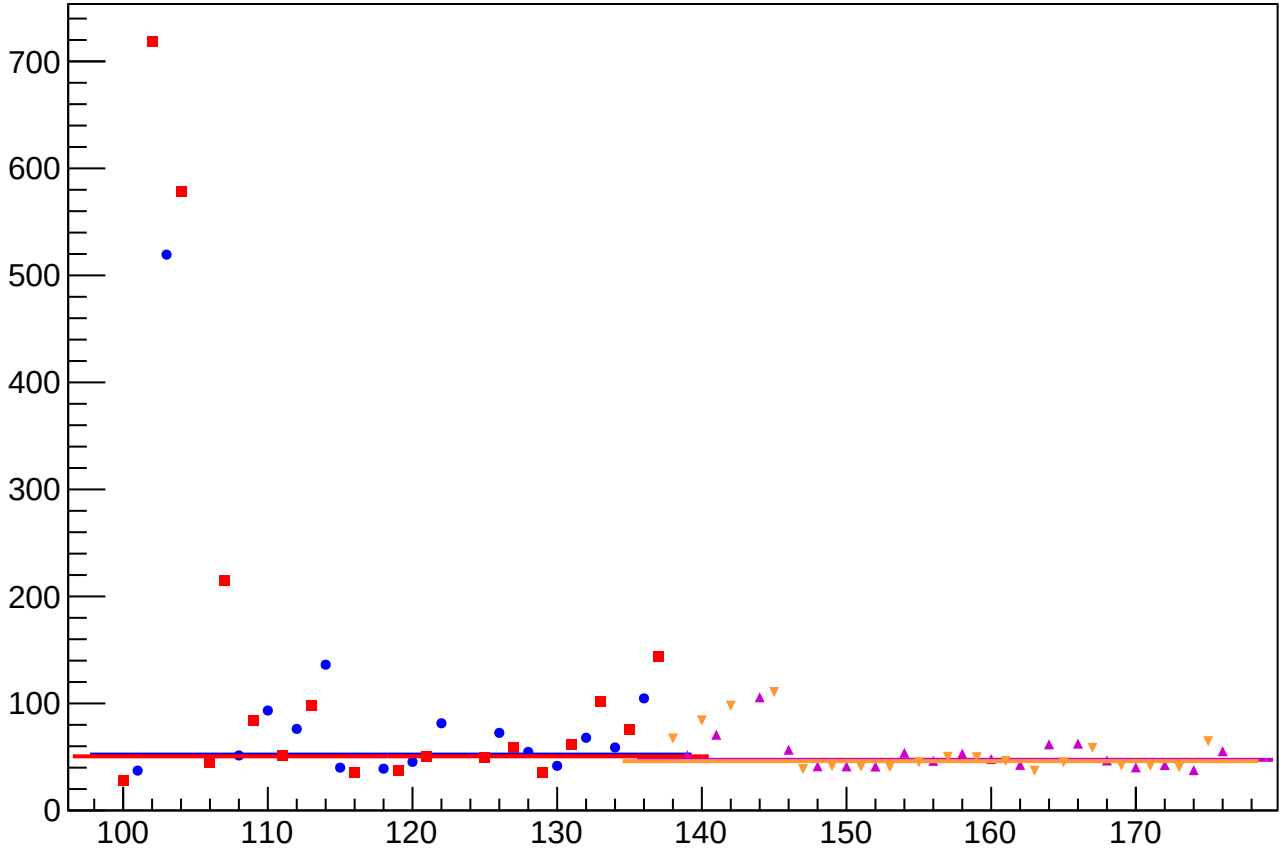
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.001+/-0.011 χ^2/NDF:41.0/36

All: -0.002+/-0.008 χ^2/NDF: 75.0/71

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: 46.071+/-0.009 χ^2/NDF:1672234.7/18

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

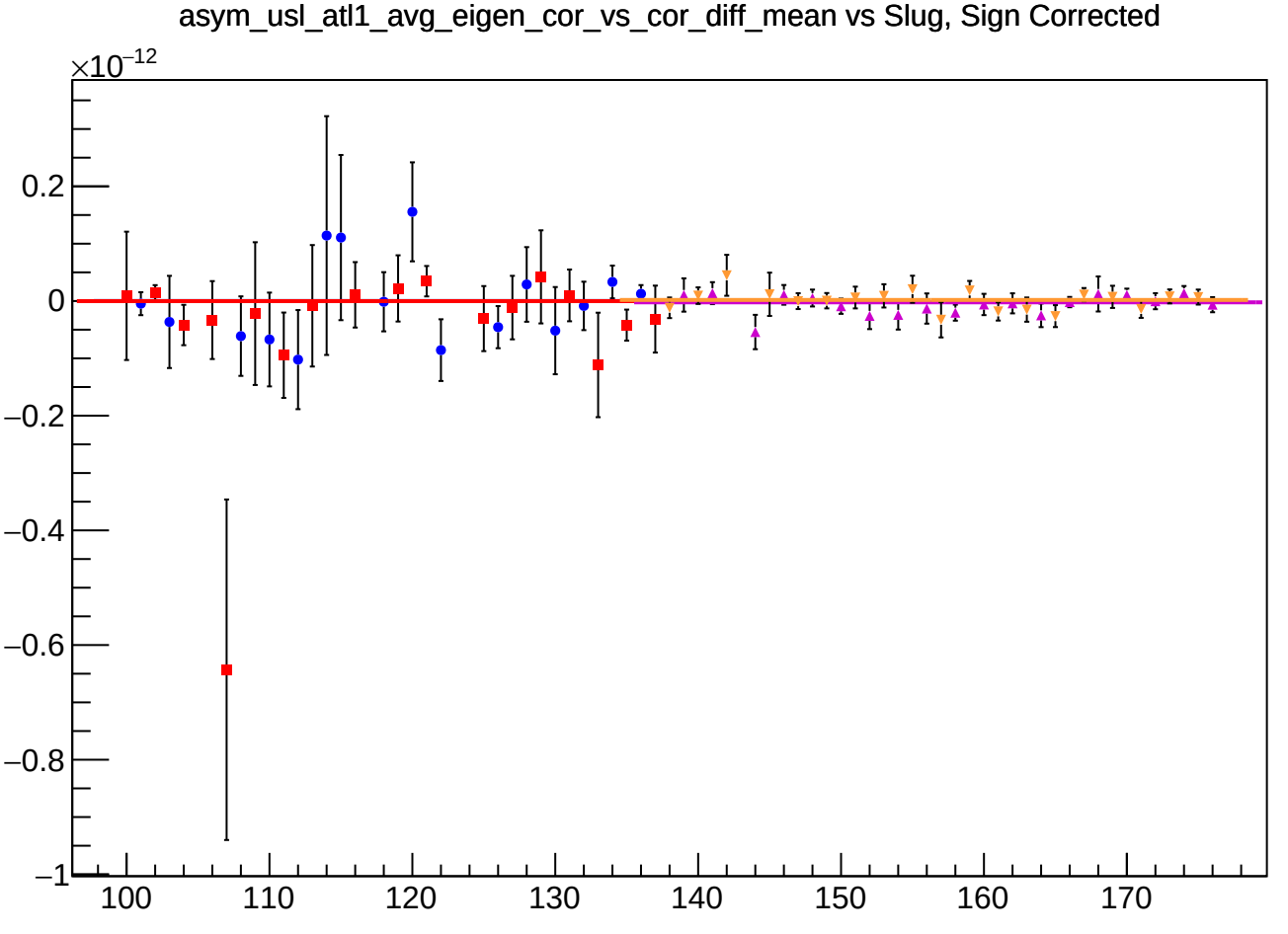
Left: 46.694+/-0.007 χ^2/NDF: 2890506.1/37

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.543+/-0.008 χ^2/NDF:3545470.5/34

Out: 47.135+/-0.008 χ^2/NDF:4779445.5/36

All: 47.846+/-0.006 χ^2/NDF: 8340143.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/18

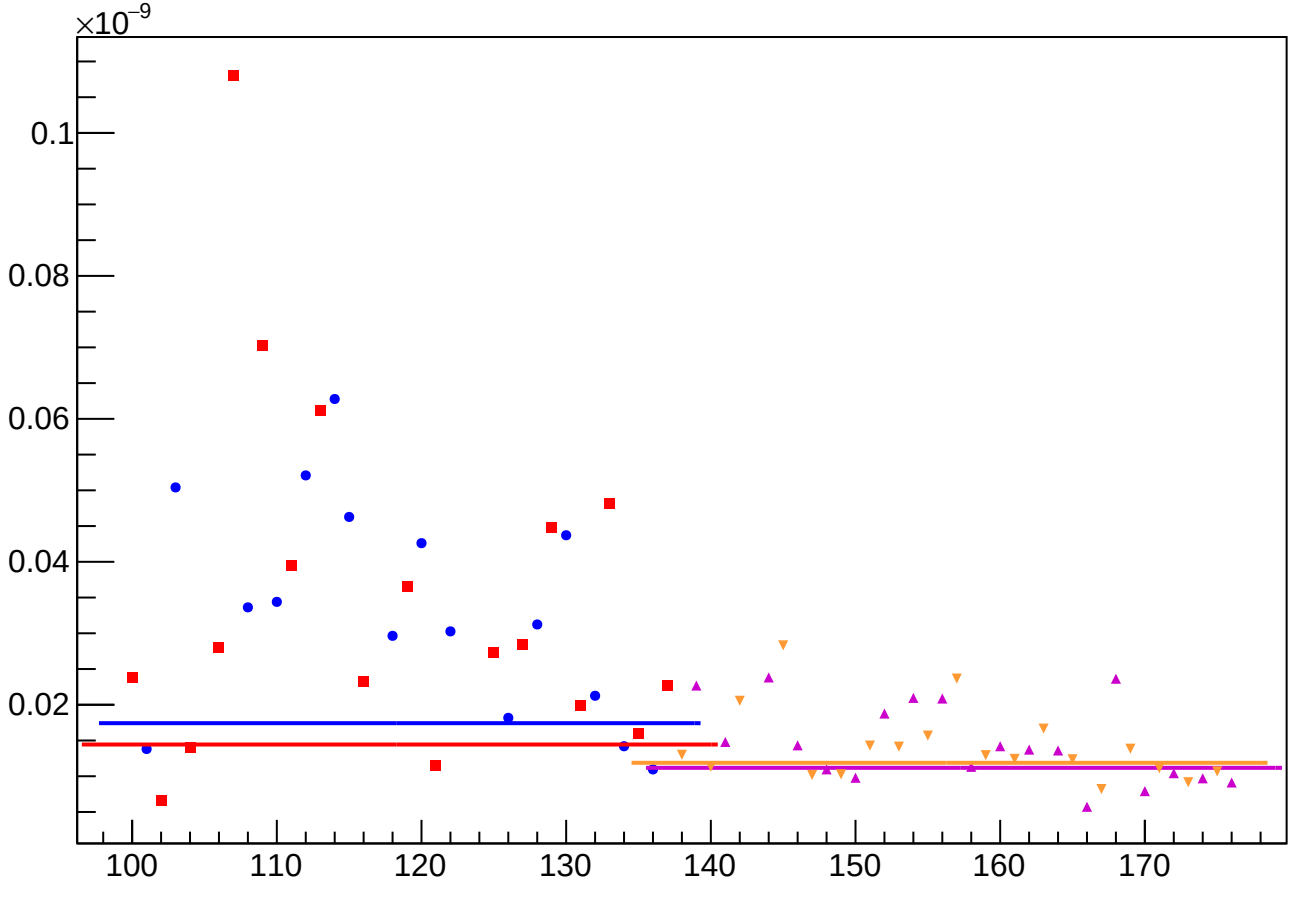
Left: -0.000+/-0.000 χ^2/NDF: 25.7/37

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

In: -0.000+/-0.000 χ^2/NDF:27.3/34

Out: 0.000+/-0.000 χ^2/NDF:28.0/36

All: -0.000+/-0.000 χ^2/NDF: 55.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1426313.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3059583.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4521353.3/37

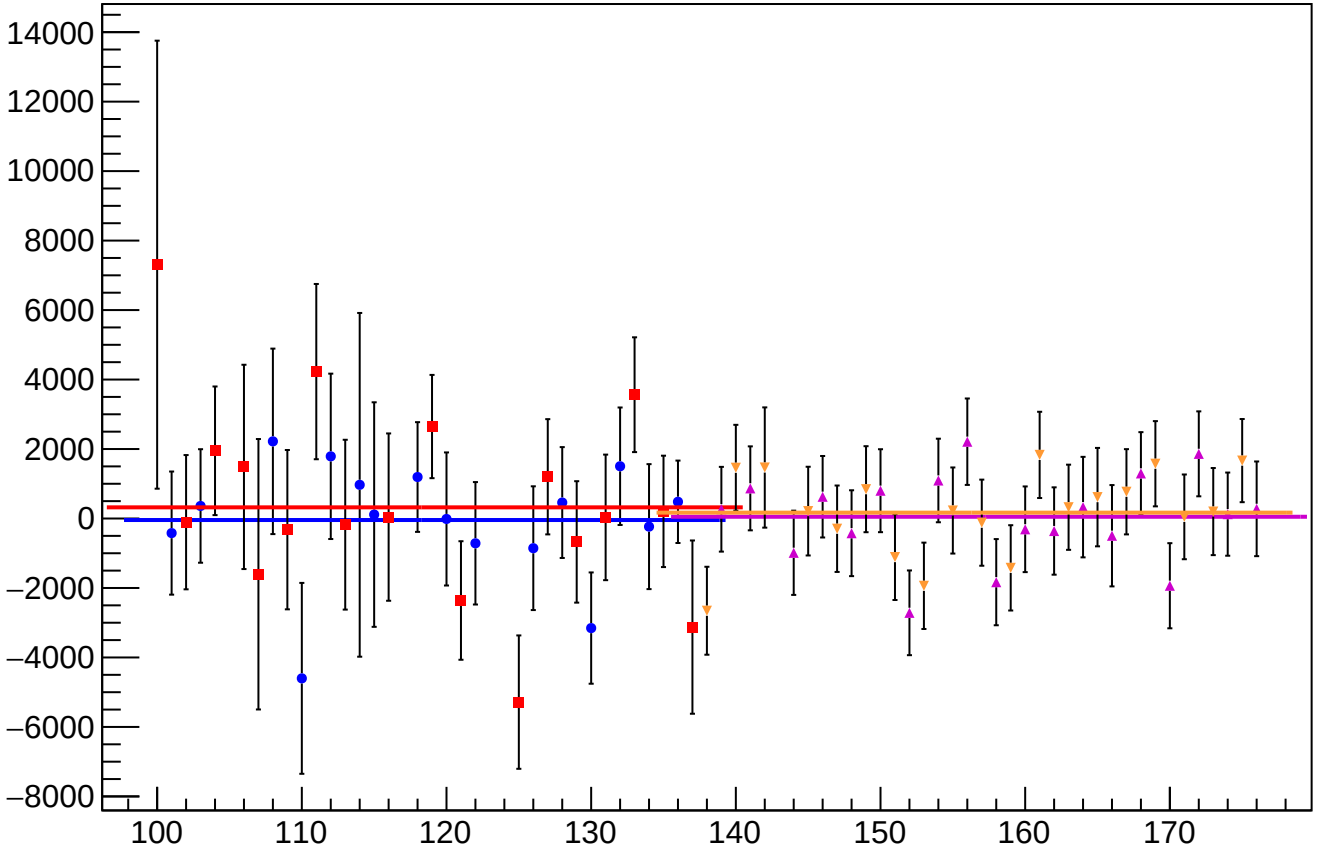
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:6054047.3/34

Out: 0.000+/-0.000 χ^2/NDF:4825226.3/36

All: 0.000+/-0.000 χ^2/NDF: 10886431.2/71

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.024+/-289.371 χ^2/NDF:17.8/18

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 50.170+/-285.142 χ^2/NDF:19.5/18

Left: 108.722+/-203.104 χ^2/NDF: 37.4/37

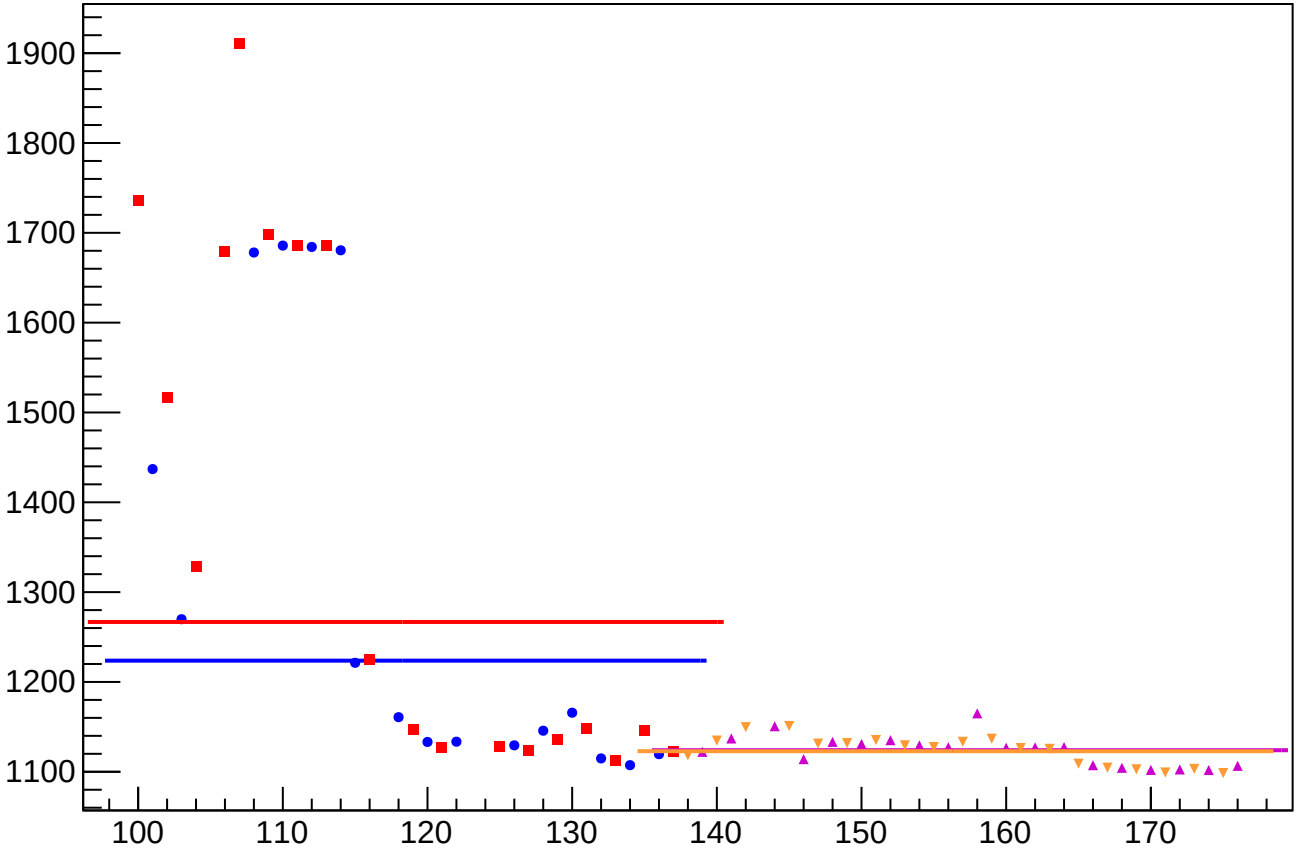
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 24.055+/-242.242 χ^2/NDF:29.7/34

Out: 210.239+/-247.116 χ^2/NDF:42.6/36

All: 115.293+/-172.989 χ^2/NDF: 72.6/71

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

Left: 1123.460+/-0.144 χ^2/NDF: 12879.8/37

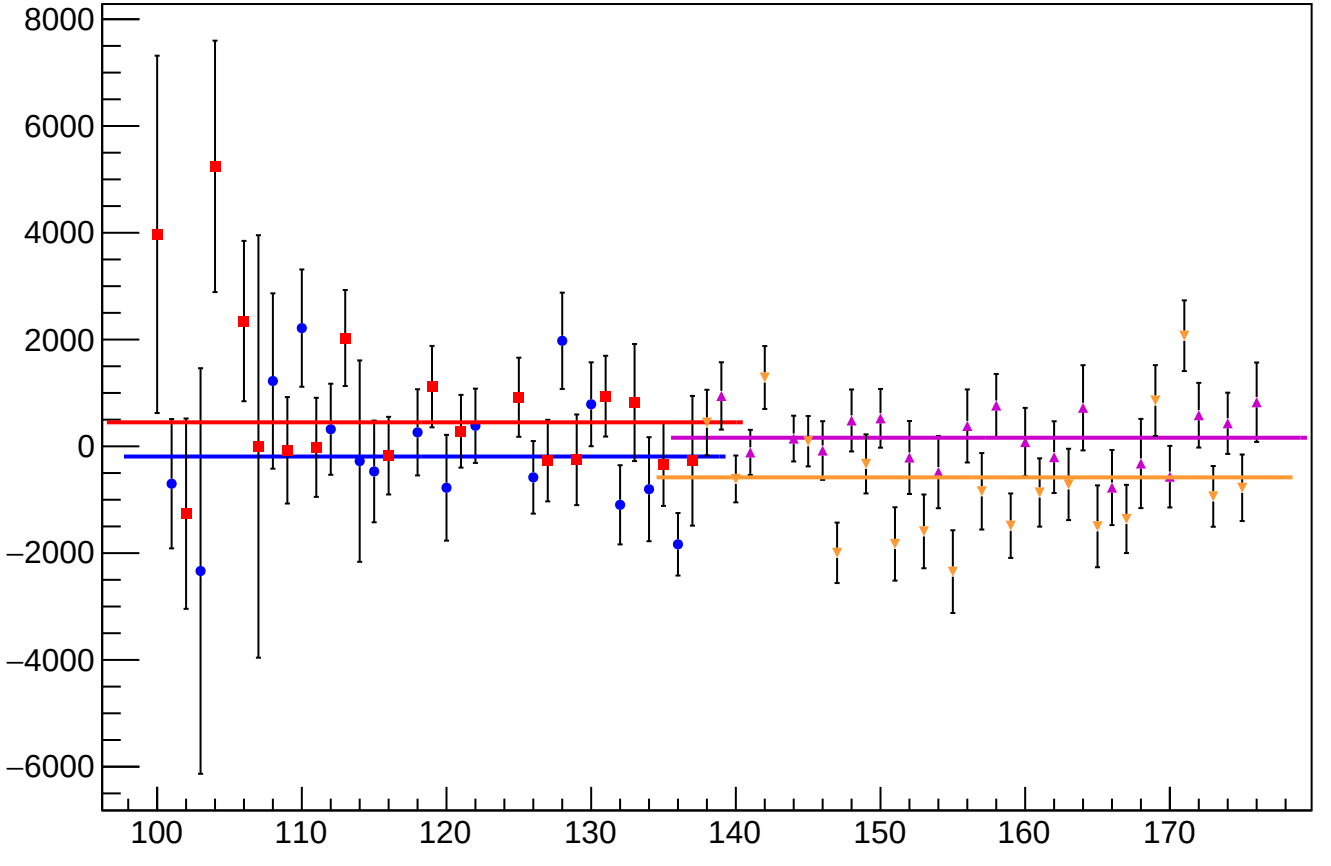
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1151.747+/-0.171 χ^2/NDF:370051.9/34

Out: 1161.851+/-0.175 χ^2/NDF:572522.4/36

All: 1156.699+/-0.122 χ^2/NDF: 944279.5/71

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -581.099+/-139.706 χ^2/NDF:58.8/18

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 161.164+/-137.741 χ^2/NDF:11.2/18

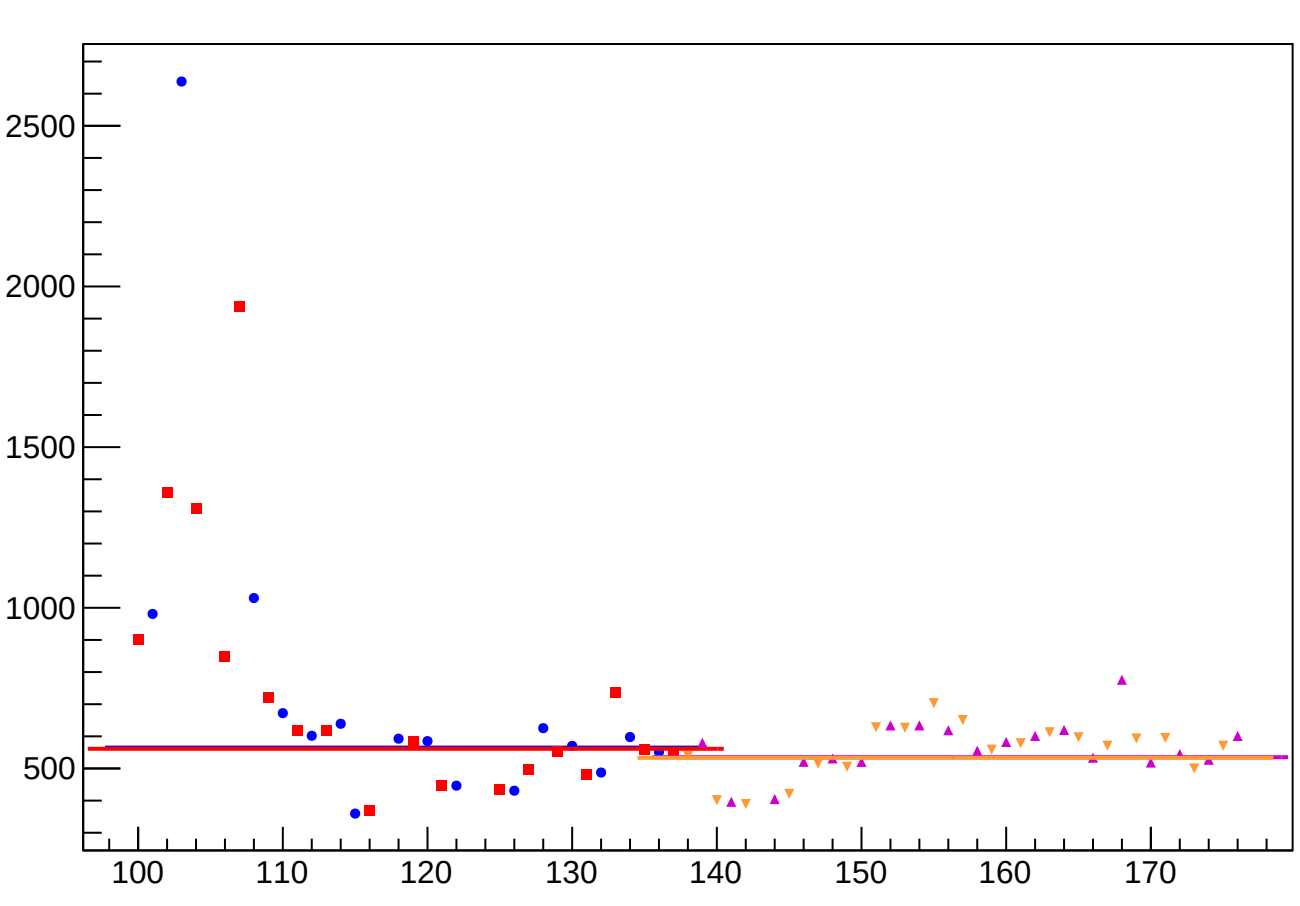
Left: -204.713+/-98.085 χ^2/NDF: 84.4/37

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 63.929+/-117.170 χ^2/NDF:38.3/34

Out: -290.899+/-118.421 χ^2/NDF:90.9/36

All: -111.600+/-83.291 χ^2/NDF: 133.8/71



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.179+/-0.099 χ^2/NDF:756502.9/18

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 535.067+/-0.097 χ^2/NDF:767568.8/18

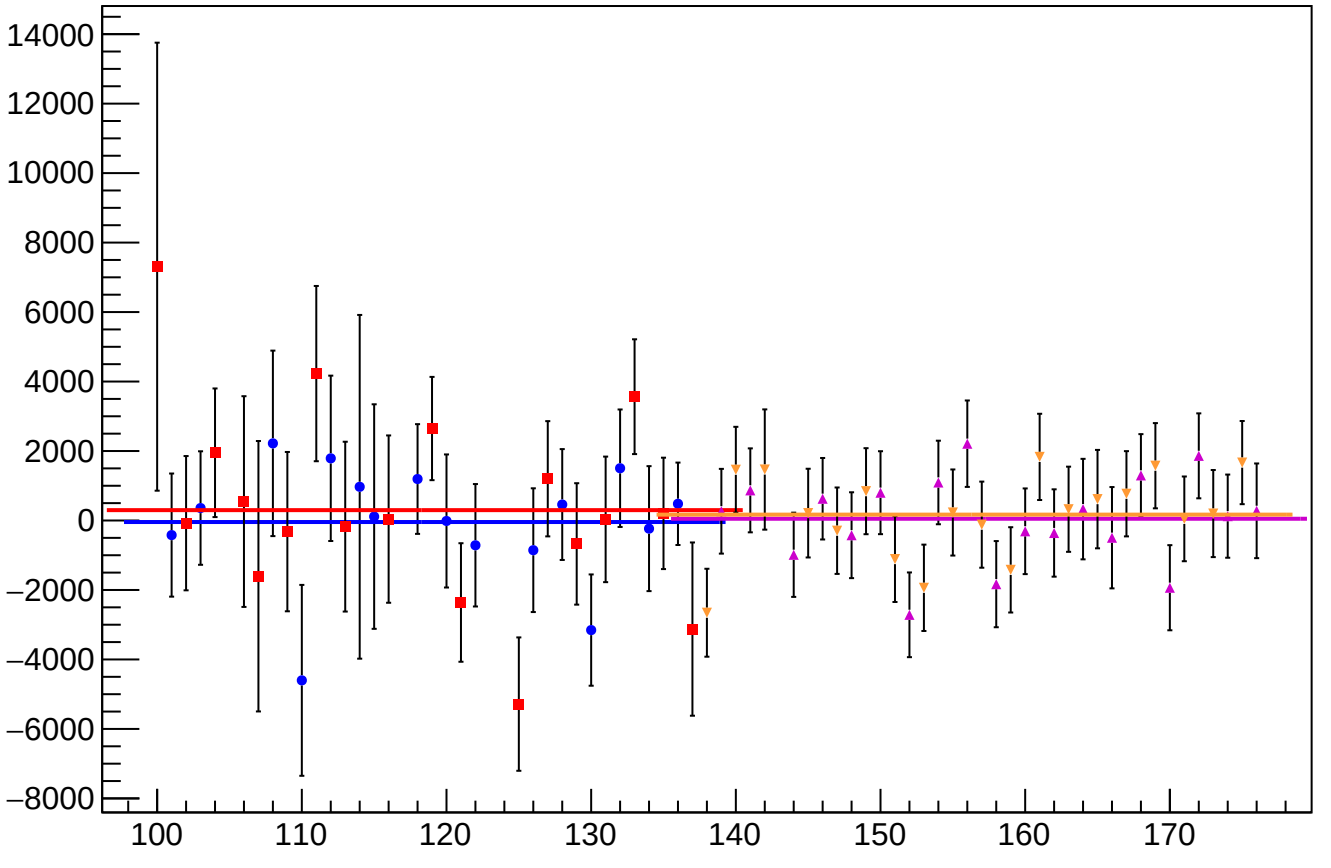
Left: 534.137+/-0.069 χ^2/NDF: 1524256.8/37

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 543.329+/-0.083 χ^2/NDF:2078081.0/34

Out: 541.079+/-0.084 χ^2/NDF:2131459.6/36

All: 542.216+/-0.059 χ^2/NDF: 4209905.4/71



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.168+/-285.142 χ^2/NDF:19.5/18

Left: 108.741+/-203.104 χ^2/NDF: 37.4/37

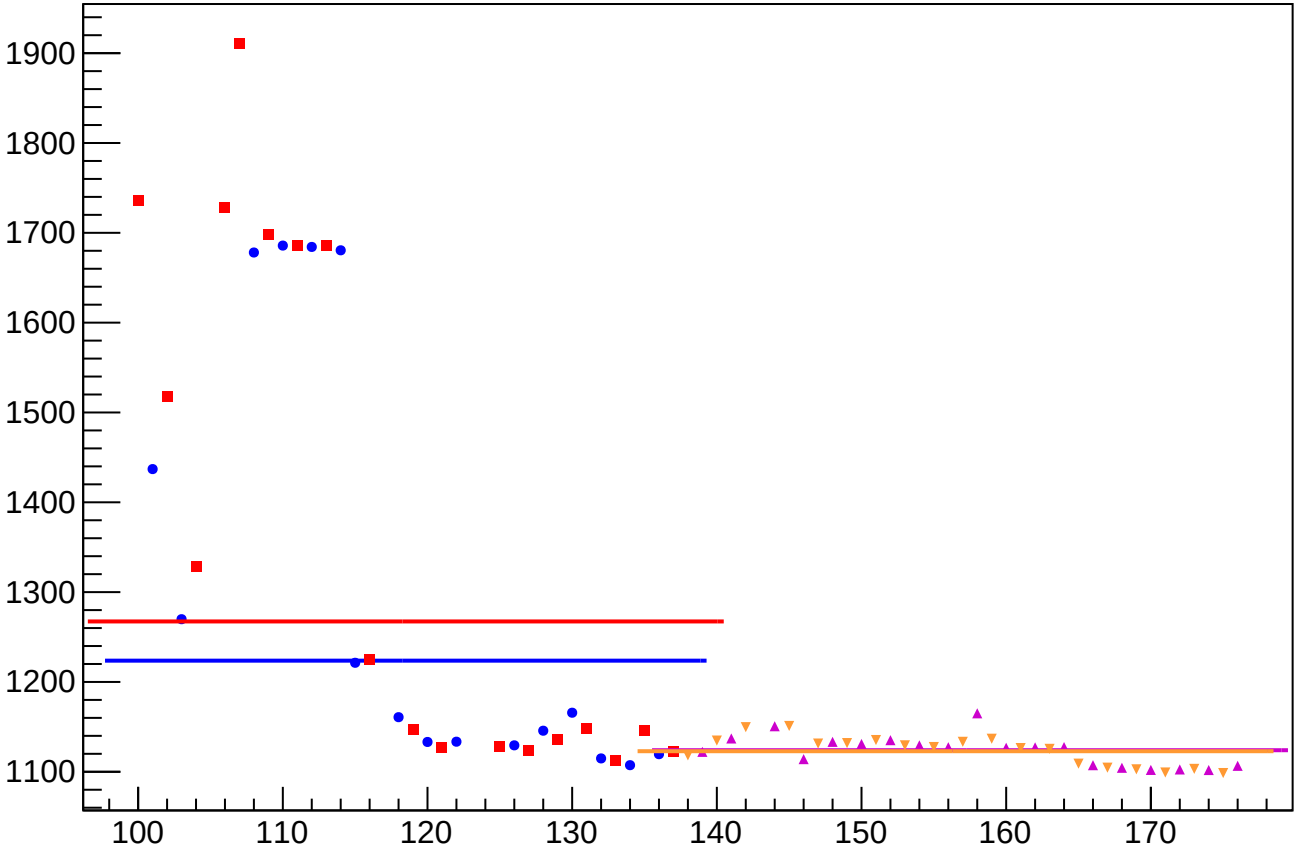
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 23.986+/-242.242 χ^2/NDF:29.7/34

Out: 203.987+/-247.169 χ^2/NDF:42.5/36

All: 112.175+/-173.007 χ^2/NDF: 72.4/71

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

Left: 1123.460+/-0.144 χ^2/NDF: 12879.8/37

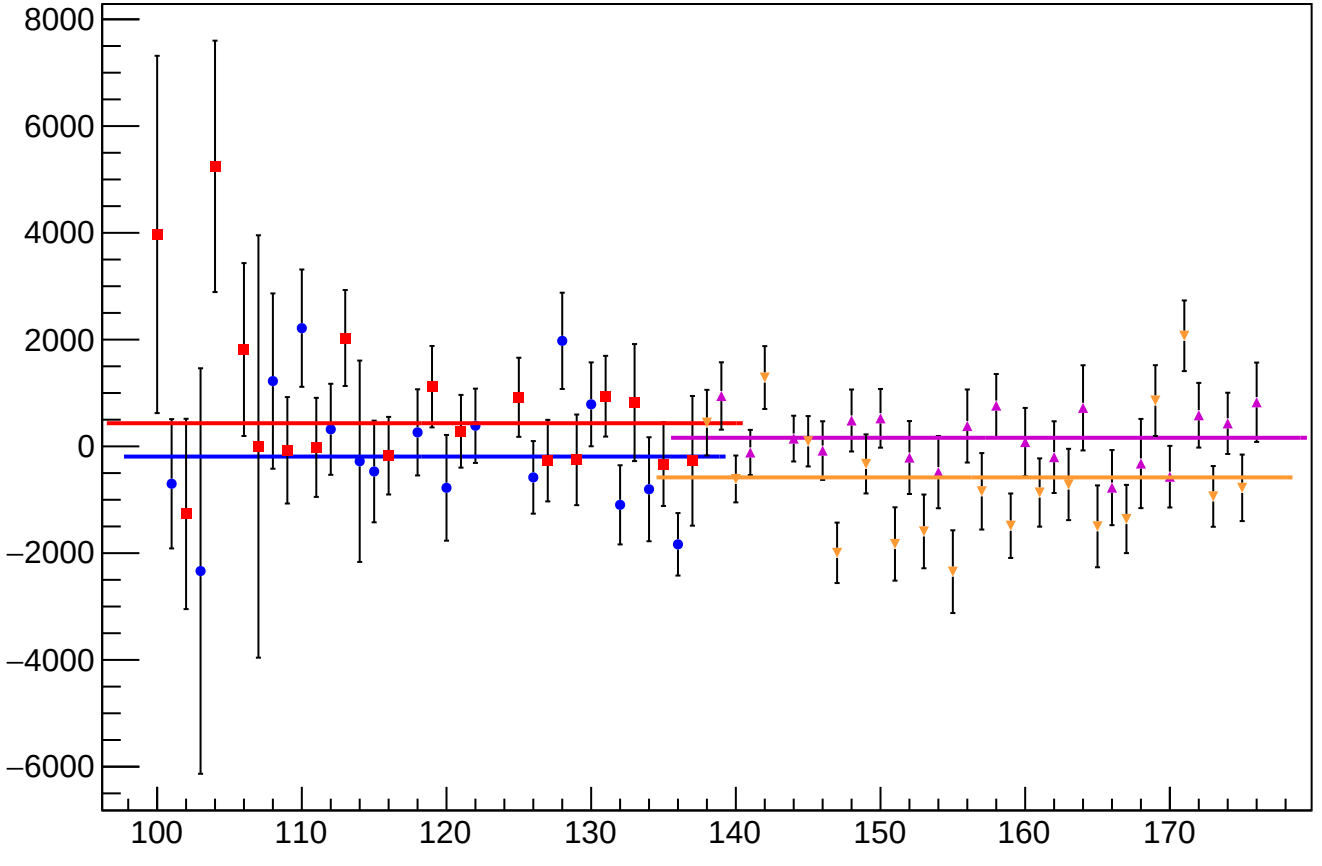
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1151.748+/-0.171 χ^2/NDF:370052.0/34

Out: 1161.964+/-0.175 χ^2/NDF:580591.7/36

All: 1156.753+/-0.122 χ^2/NDF: 952386.7/71

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: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 161.152+/-137.741 χ^2/NDF:11.2/18

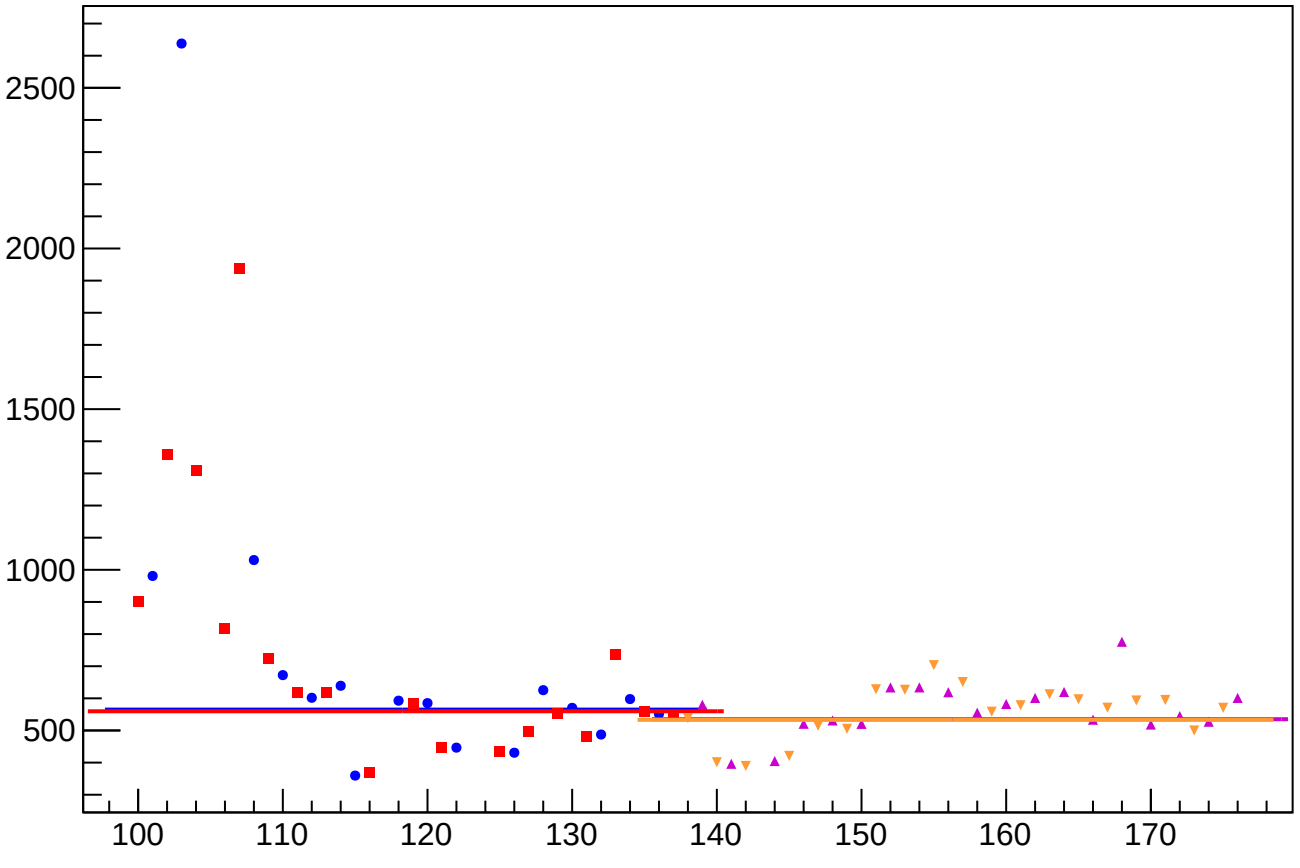
Left: -204.731+/-98.085 χ^2/NDF: 84.3/37

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 63.917+/-117.169 χ^2/NDF:38.3/34

Out: -296.047+/-118.473 χ^2/NDF:89.6/36

All: -114.074+/-83.308 χ^2/NDF: 132.5/71



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

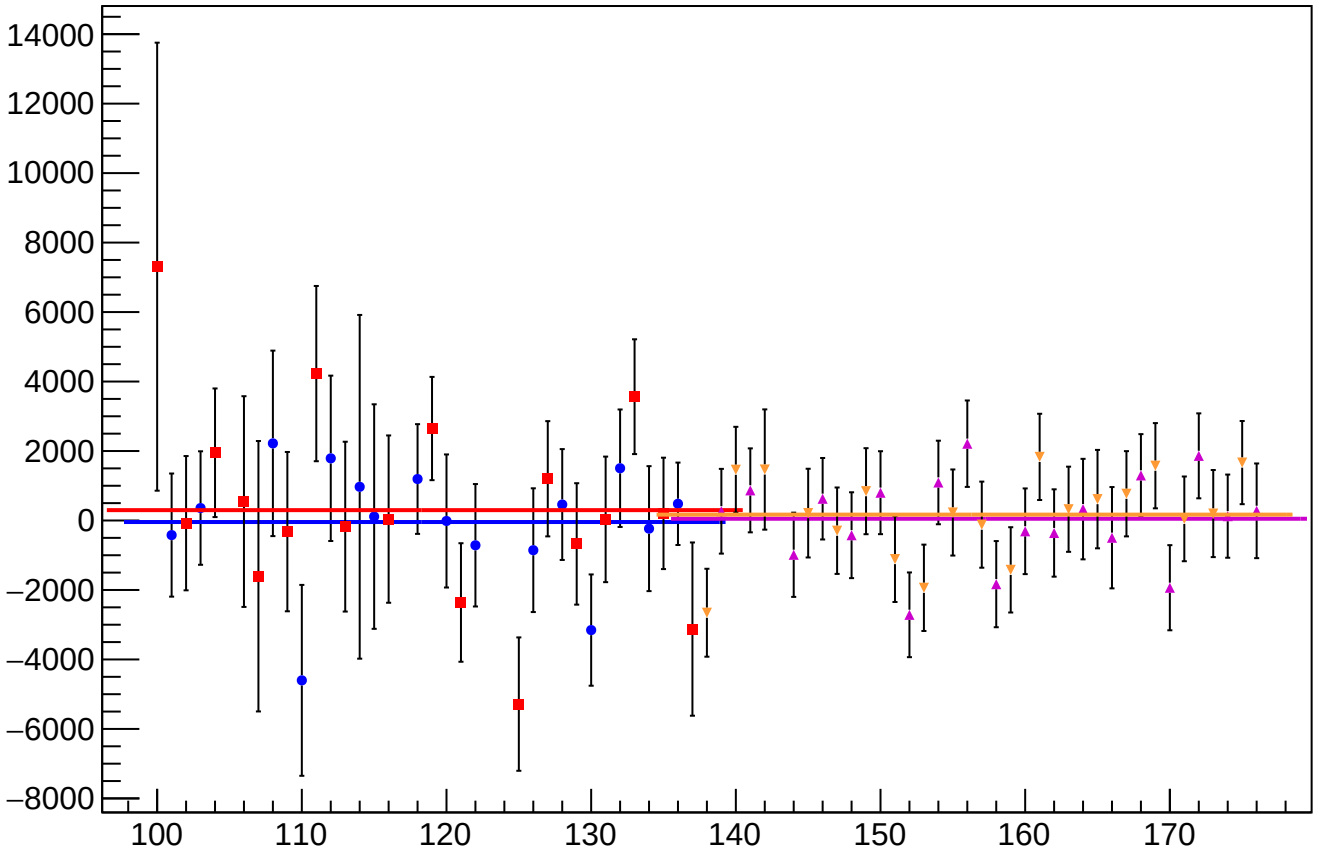
Left: 534.135+/-0.069 χ^2/NDF: 1524196.7/37

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.327+/-0.083 χ^2/NDF:2078003.5/34

Out: 540.643+/-0.084 χ^2/NDF:2106181.8/36

All: 542.000+/-0.059 χ^2/NDF: 4184704.3/71



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 169.065+/-289.371 χ^2/NDF:17.8/18

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.168+/-285.142 χ^2/NDF:19.5/18

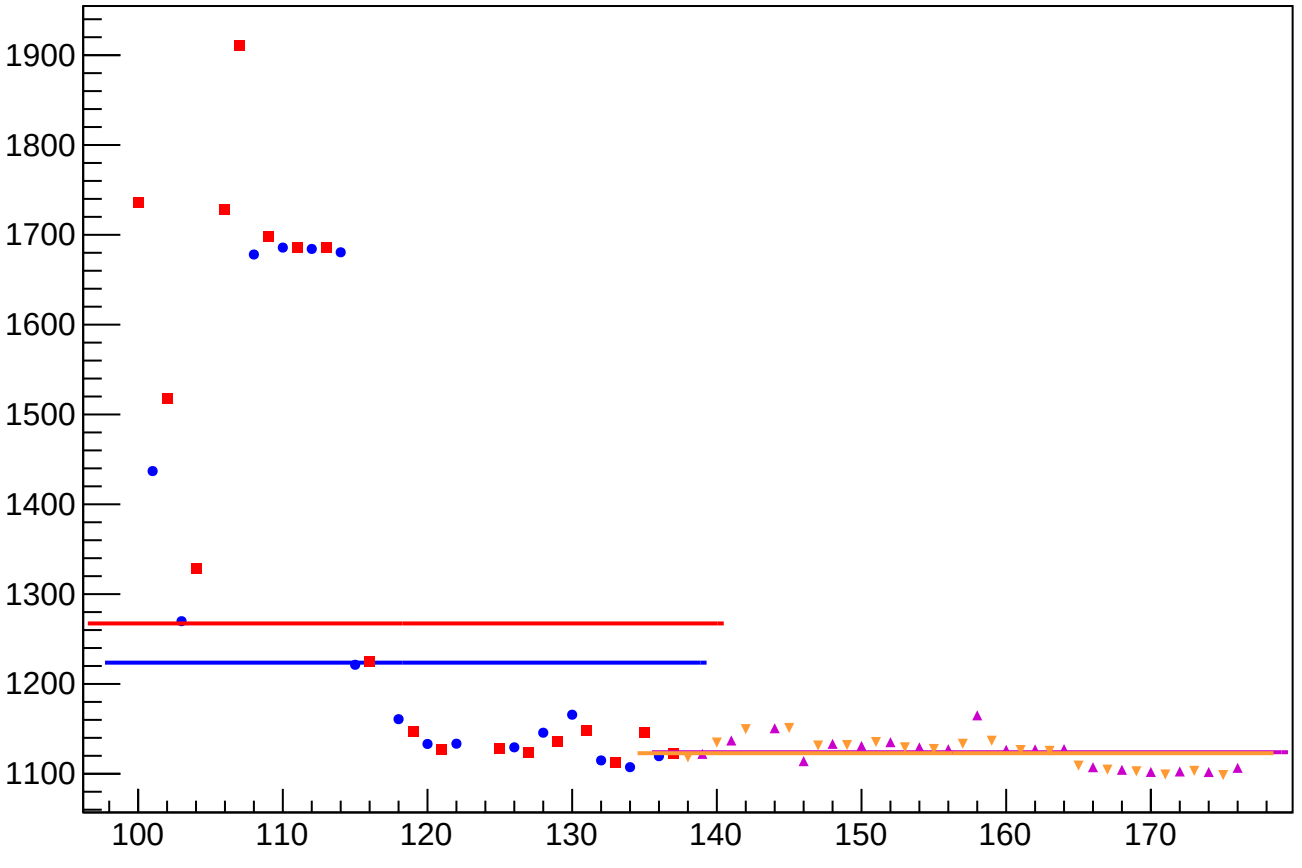
Left: 108.741+/-203.104 χ^2/NDF: 37.4/37

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 23.986+/-242.242 χ^2/NDF:29.7/34

Out: 203.987+/-247.169 χ^2/NDF:42.5/36

All: 112.175+/-173.007 χ^2/NDF: 72.4/71



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.900+/-0.205 χ^2/NDF:5818.5/18

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

Left: 1123.460+/-0.144 χ^2/NDF: 12879.8/37

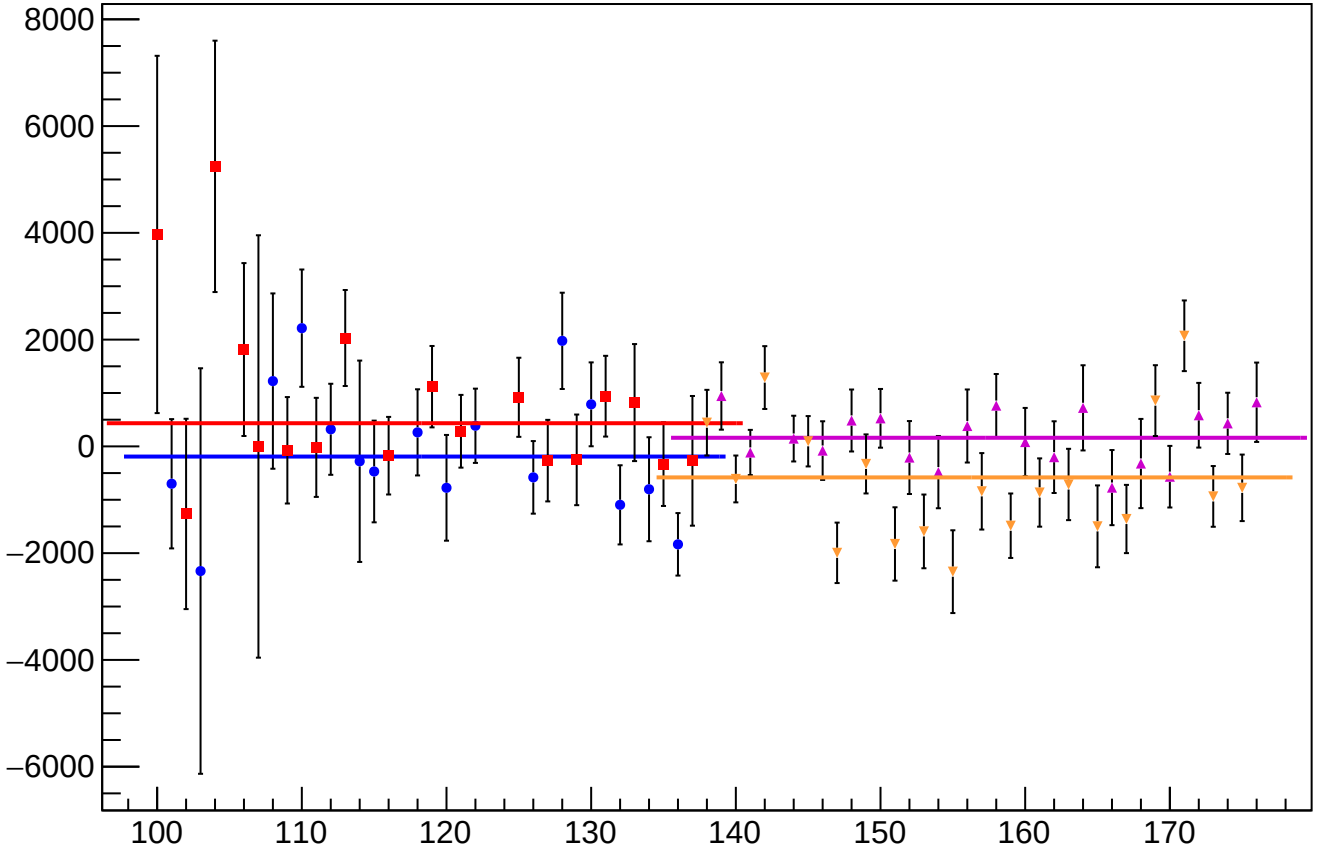
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1151.748+/-0.171 χ^2/NDF:370052.0/34

Out: 1161.964+/-0.175 χ^2/NDF:580591.7/36

All: 1156.753+/-0.122 χ^2/NDF: 952386.7/71

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: -581.125+/-139.705 χ^2/NDF:58.8/18

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 161.152+/-137.741 χ^2/NDF:11.2/18

Left: -204.731+/-98.085 χ^2/NDF: 84.3/37

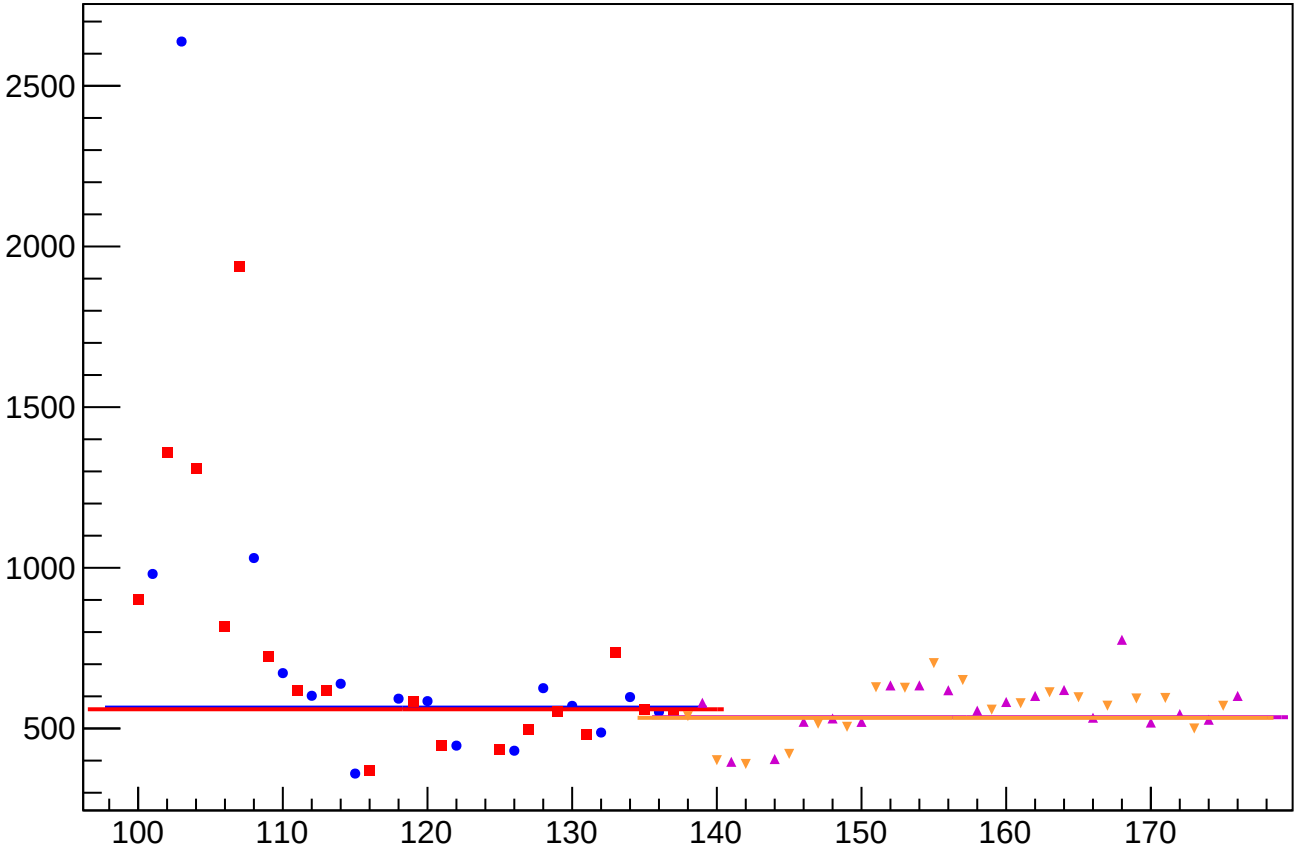
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 63.917+/-117.169 χ^2/NDF:38.3/34

Out: -296.047+/-118.473 χ^2/NDF:89.6/36

All: -114.074+/-83.308 χ^2/NDF: 132.5/71

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: 533.178+/-0.099 χ^2/NDF:756491.1/18

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

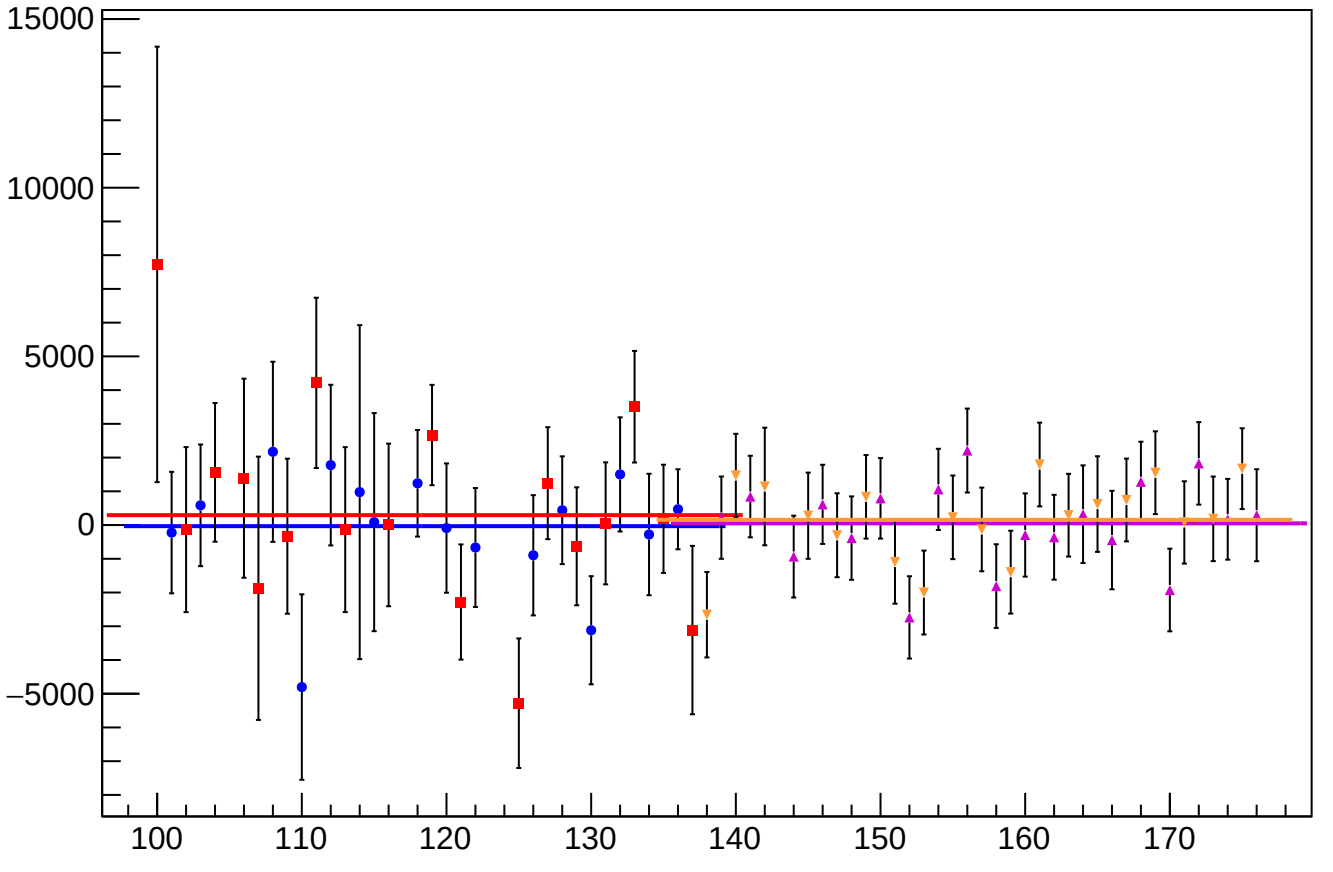
Left: 534.135+/-0.069 χ^2/NDF: 1524196.7/37

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.327+/-0.083 χ^2/NDF:2078003.5/34

Out: 540.643+/-0.084 χ^2/NDF:2106181.8/36

All: 542.000+/-0.059 χ^2/NDF: 4184704.3/71



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.205+/-289.543 χ^2/NDF:17.5/18

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 50.939+/-285.258 χ^2/NDF:19.2/18

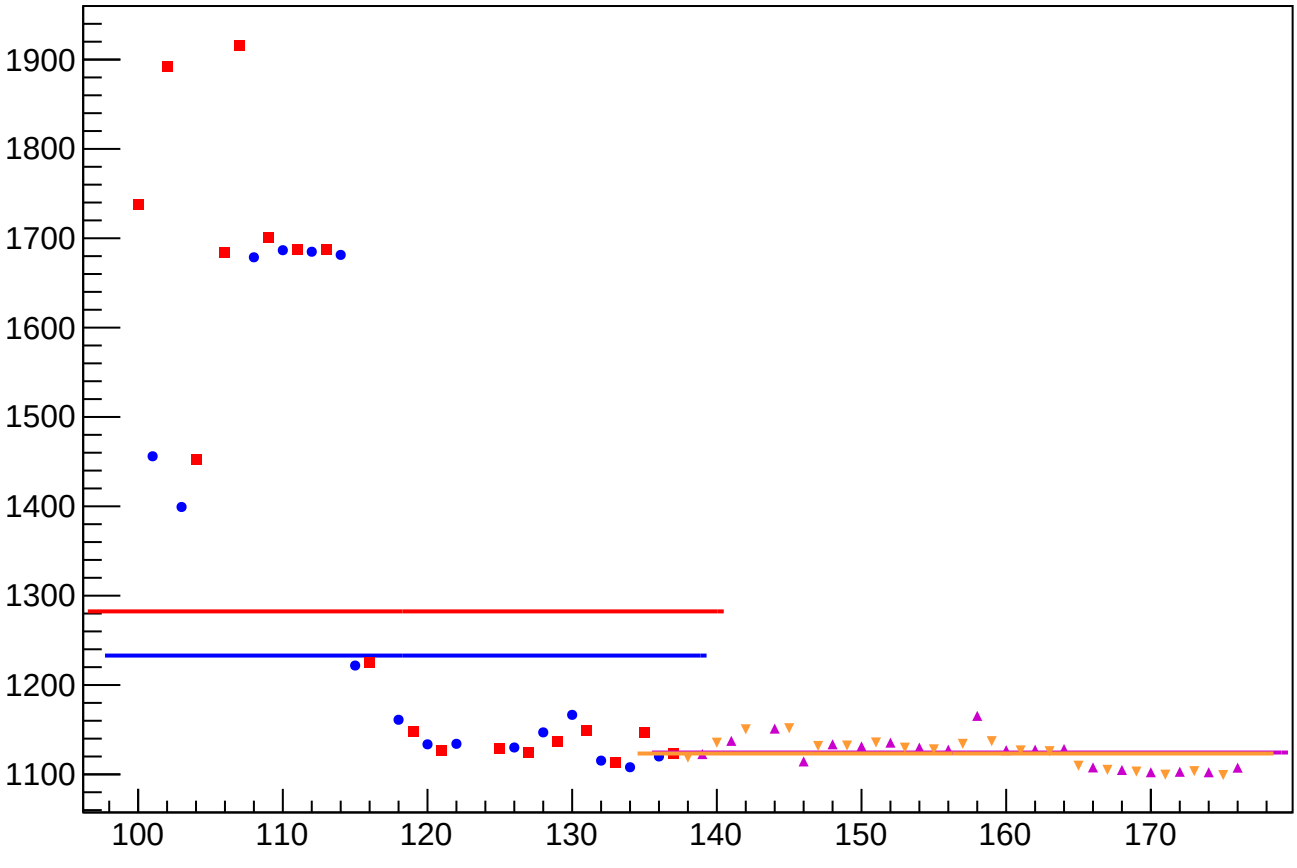
Left: 102.295+/-203.206 χ^2/NDF: 36.8/37

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 27.842+/-242.895 χ^2/NDF:29.5/34

Out: 191.641+/-248.453 χ^2/NDF:41.8/36

All: 107.889+/-173.684 χ^2/NDF: 71.5/71



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

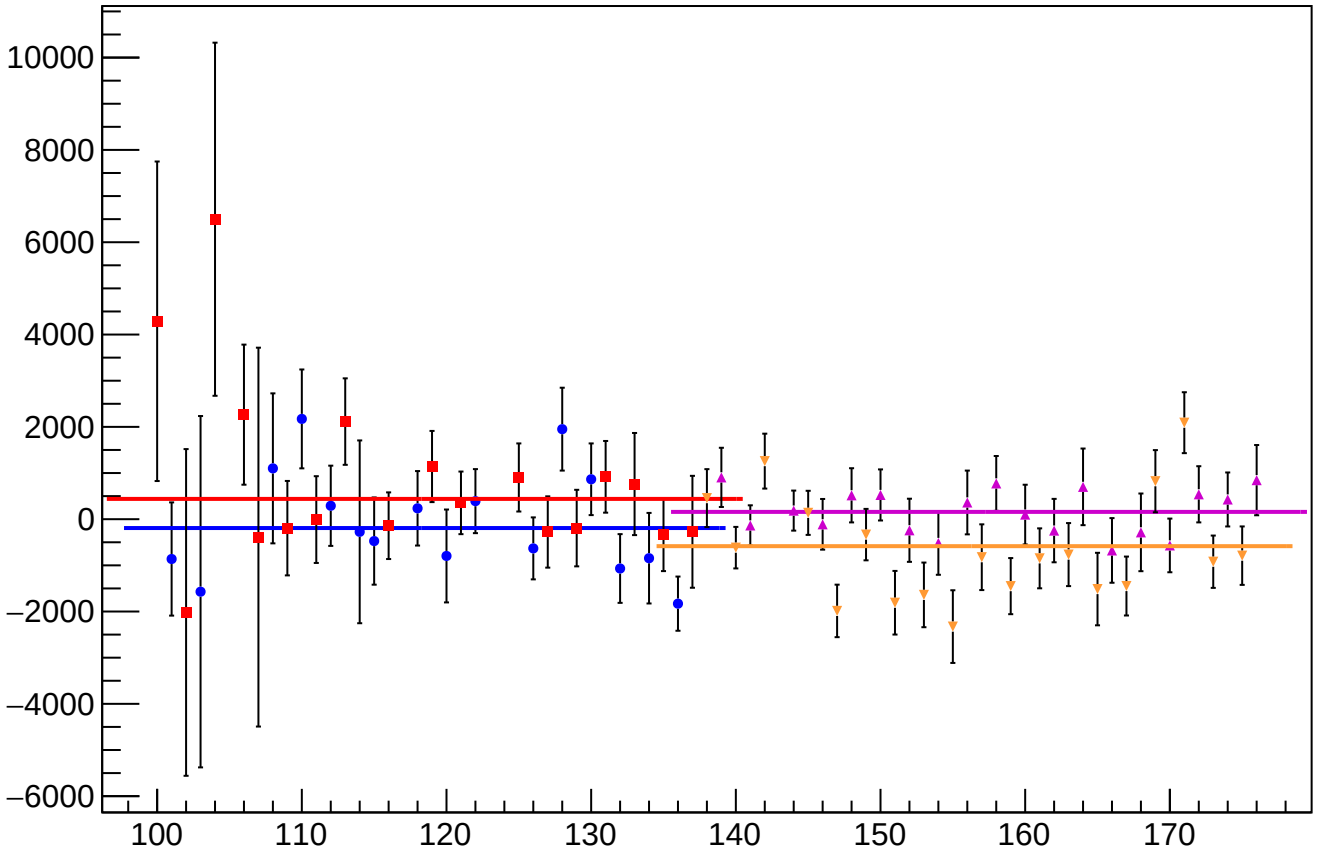
Left: 1123.920+/-0.144 χ^2/NDF: 12867.2/37

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1154.297+/-0.172 χ^2/NDF:402064.8/34

Out: 1165.299+/-0.176 χ^2/NDF:708349.0/36

All: 1159.673+/-0.123 χ^2/NDF: 1112419.1/71



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -584.216+/-141.214 χ^2/NDF:58.1/18

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 158.265+/-139.502 χ^2/NDF:10.8/18

Left: -208.446+/-99.243 χ^2/NDF: 82.9/37

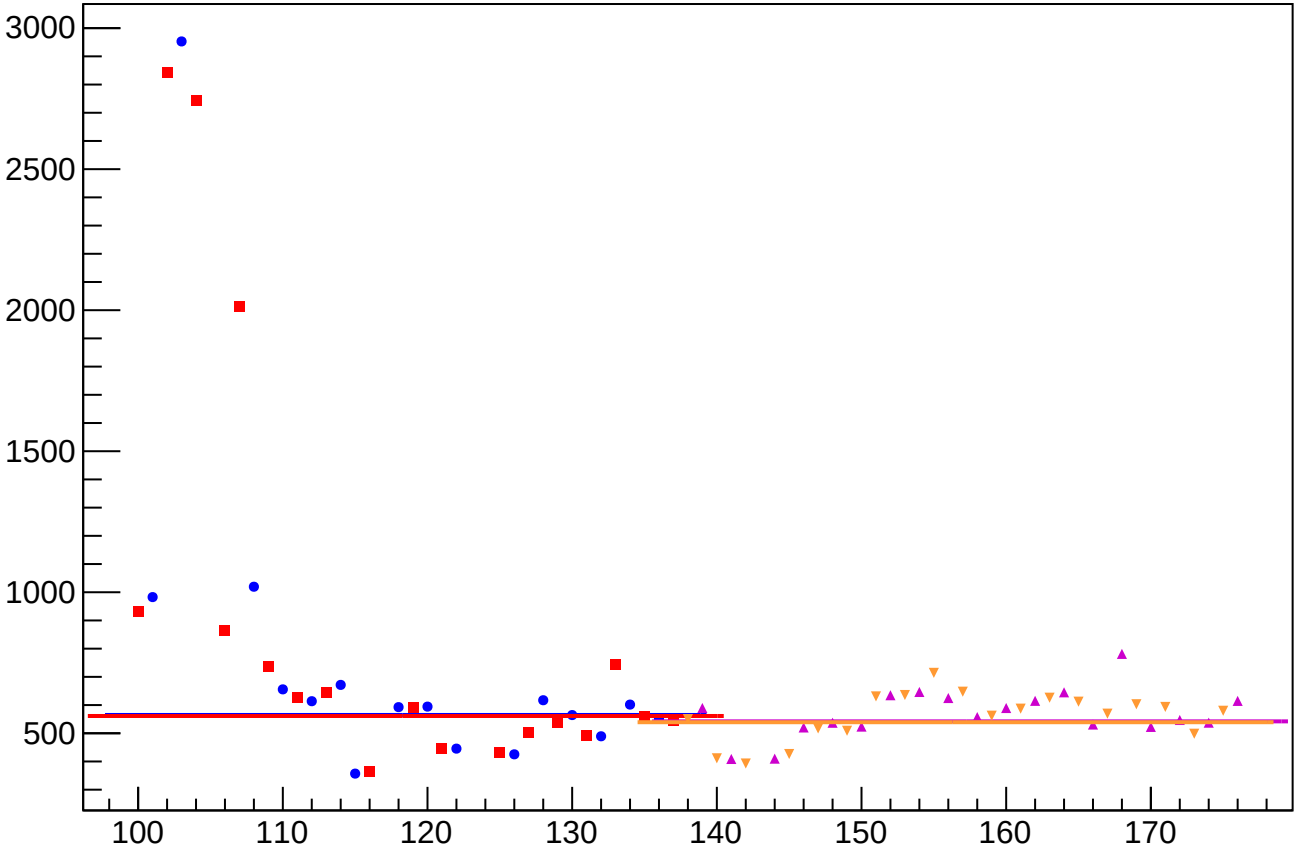
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 59.730+/-118.232 χ^2/NDF:37.8/34

Out: -297.824+/-119.847 χ^2/NDF:87.5/36

All: -116.621+/-84.168 χ^2/NDF: 129.8/71

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.213+/-0.100 χ^2/NDF:740184.7/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 542.207+/-0.099 χ^2/NDF:748318.3/18

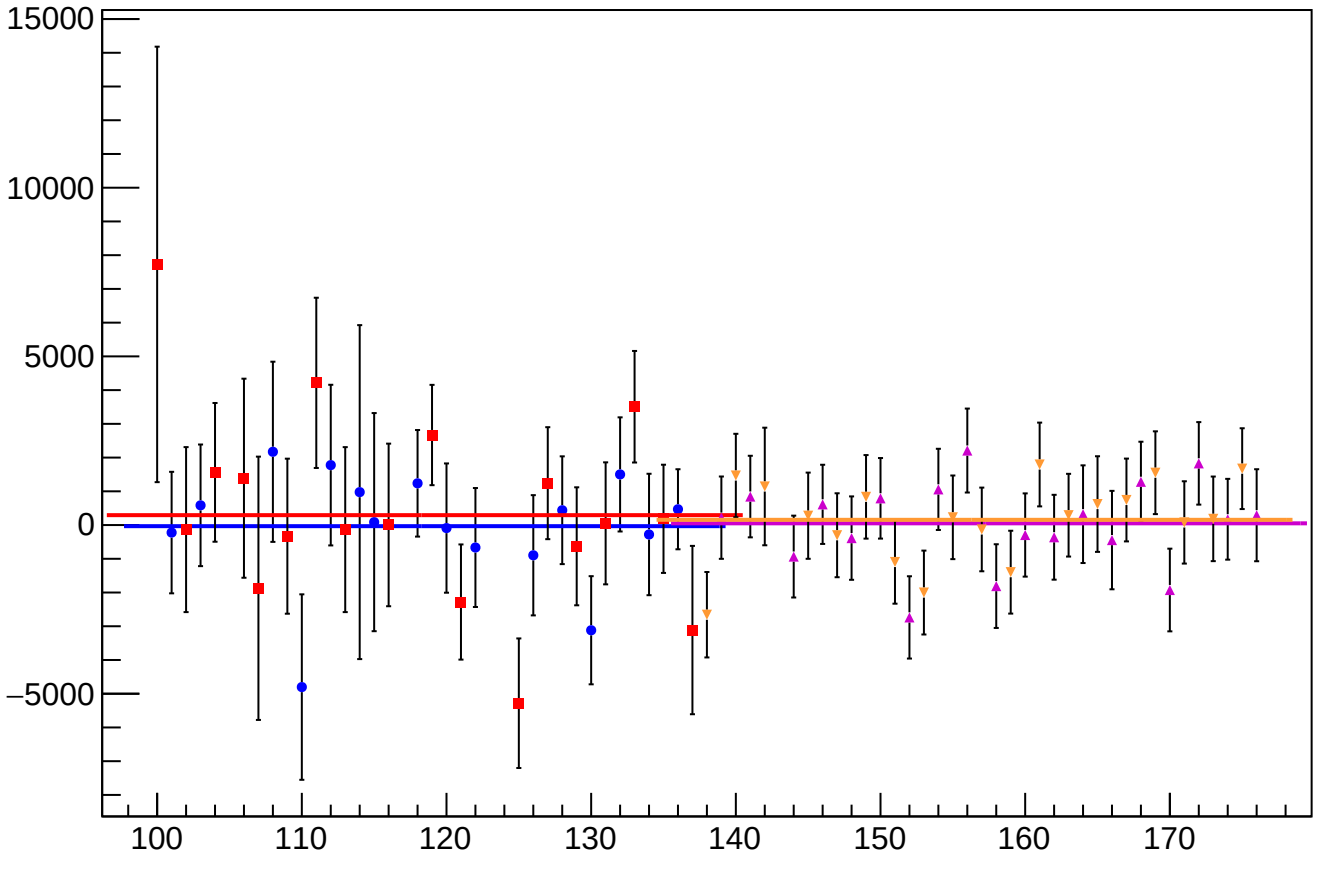
Left: 540.728+/-0.070 χ^2/NDF: 1488957.9/37

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 548.591+/-0.084 χ^2/NDF:2243564.2/34

Out: 545.384+/-0.085 χ^2/NDF:3027209.0/36

All: 547.009+/-0.060 χ^2/NDF: 5271499.0/71



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 155.203+/-289.543 χ^2/NDF:17.5/18

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 50.939+/-285.258 χ^2/NDF:19.2/18

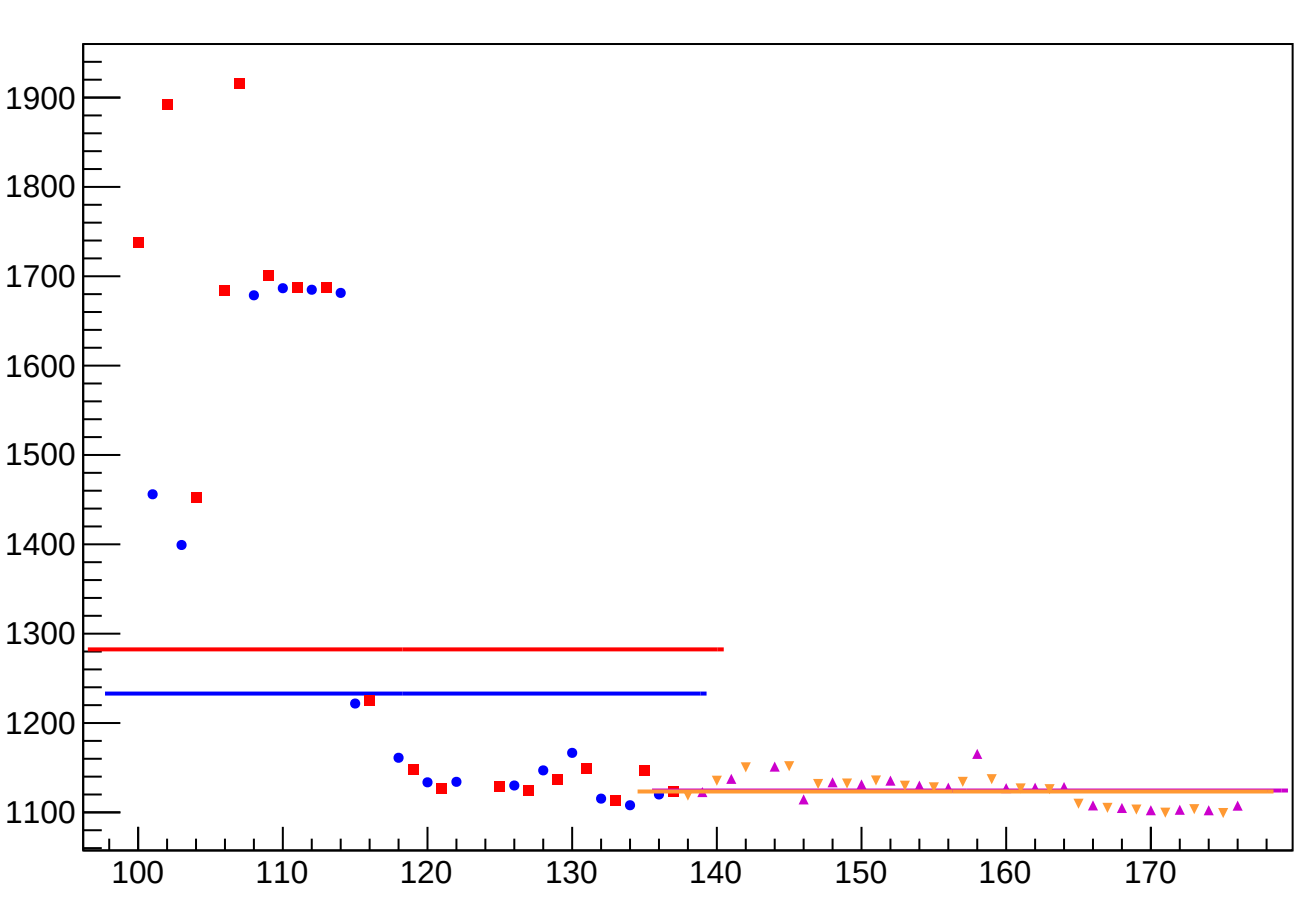
Left: 102.294+/-203.206 χ^2/NDF: 36.8/37

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 27.843+/-242.895 χ^2/NDF:29.5/34

Out: 191.640+/-248.453 χ^2/NDF:41.8/36

All: 107.889+/-173.684 χ^2/NDF: 71.5/71



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1123.360+/-0.205 χ^2/NDF:5819.2/18

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

Left: 1123.920+/-0.144 χ^2/NDF: 12867.2/37

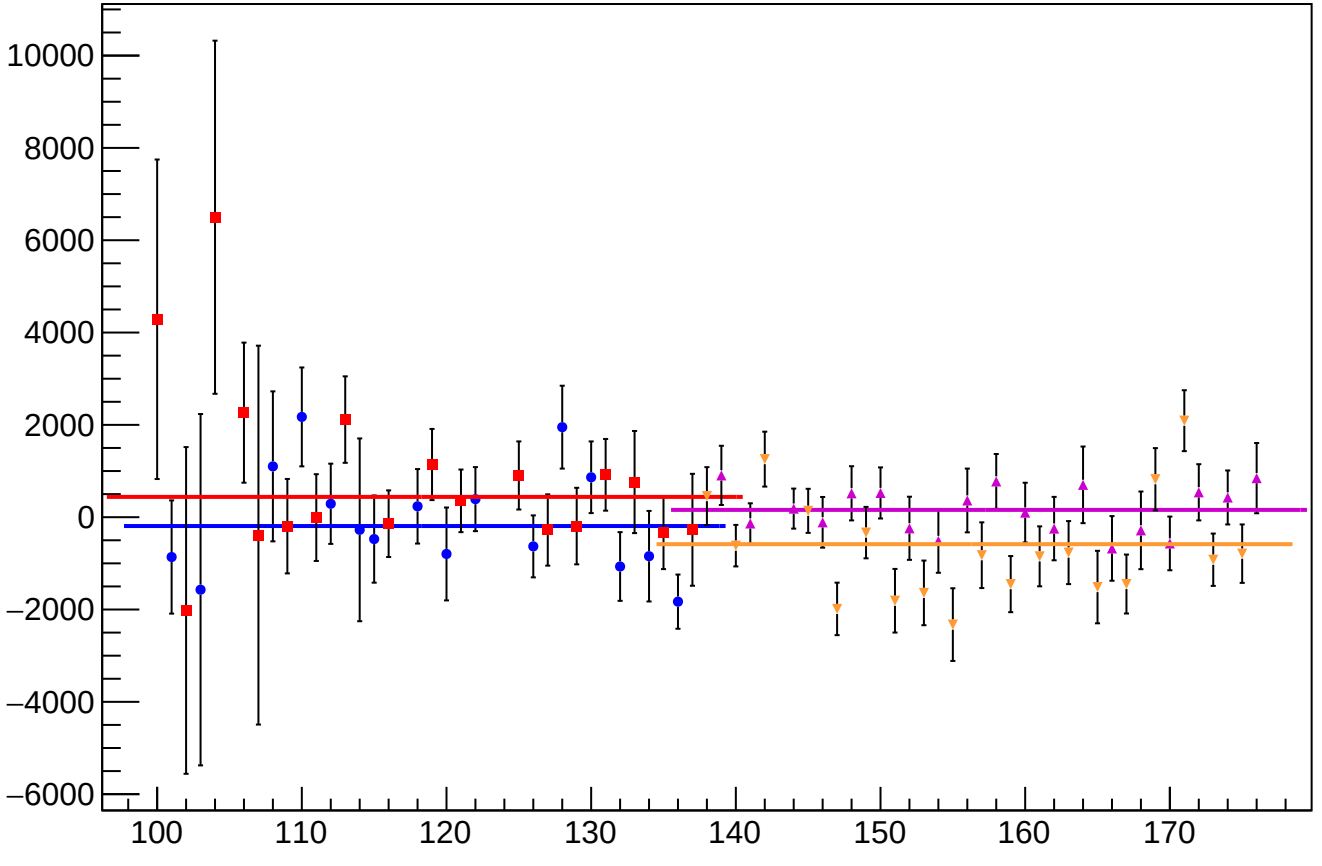
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1154.297+/-0.172 χ^2/NDF:402064.3/34

Out: 1165.299+/-0.176 χ^2/NDF:708348.3/36

All: 1159.673+/-0.123 χ^2/NDF: 1112417.9/71

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: -584.215+/-141.214 χ^2/NDF:58.1/18

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 158.265+/-139.502 χ^2/NDF:10.8/18

Left: -208.446+/-99.243 χ^2/NDF: 82.9/37

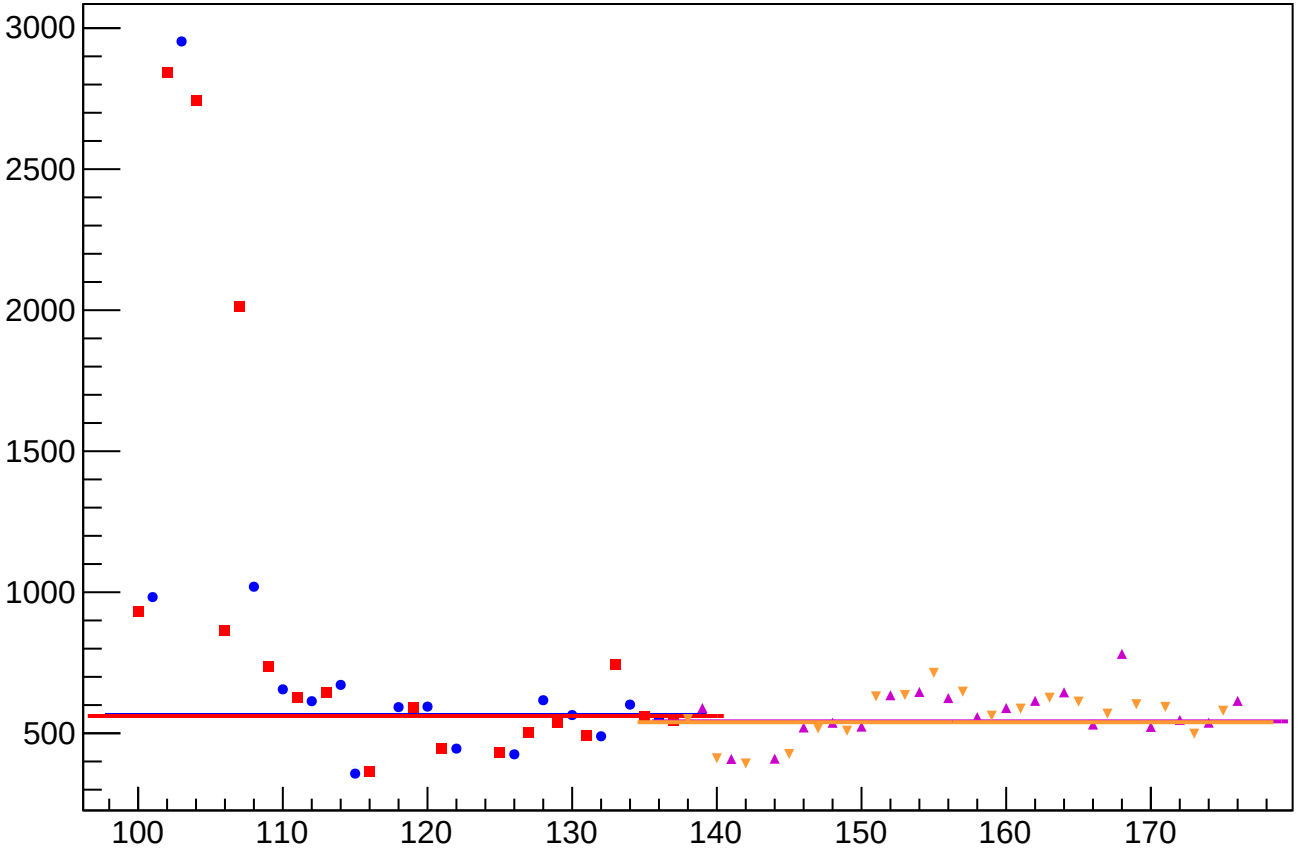
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 59.730+/-118.232 χ^2/NDF:37.8/34

Out: -297.823+/-119.847 χ^2/NDF:87.5/36

All: -116.621+/-84.168 χ^2/NDF: 129.8/71

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: 539.212+/-0.100 χ^2/NDF:740203.2/18

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 542.206+/-0.099 χ^2/NDF:748330.8/18

Left: 540.728+/-0.070 χ^2/NDF: 1488989.0/37

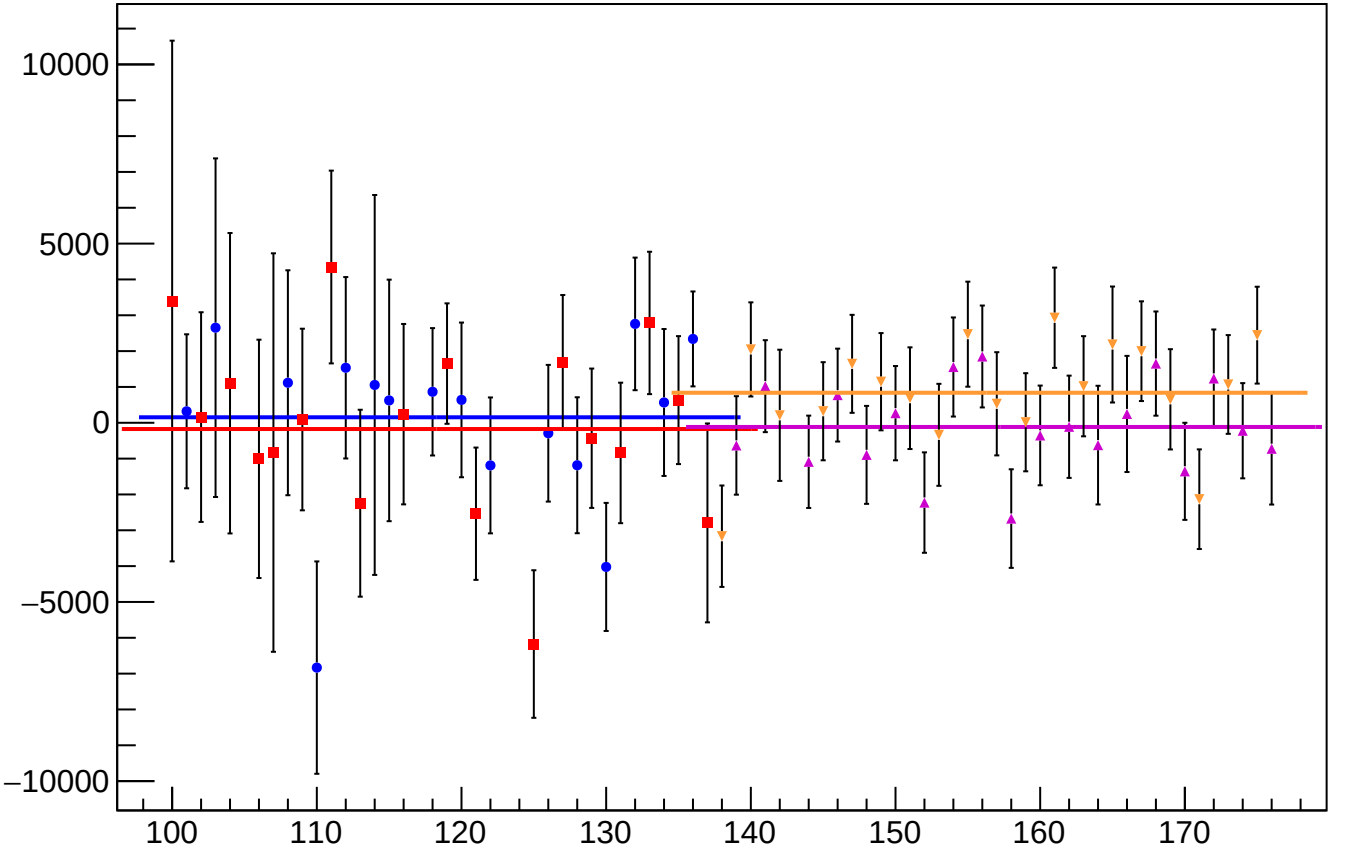
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 548.591+/-0.084 χ^2/NDF:2243574.8/34

Out: 545.383+/-0.085 χ^2/NDF:3027228.9/36

All: 547.009+/-0.060 χ^2/NDF: 5271529.6/71

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 838.108+/-324.711 χ^2/NDF:21.5/18

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -116.794+/-319.629 χ^2/NDF:15.1/18

Left: 353.125+/-227.787 χ^2/NDF: 41.0/37

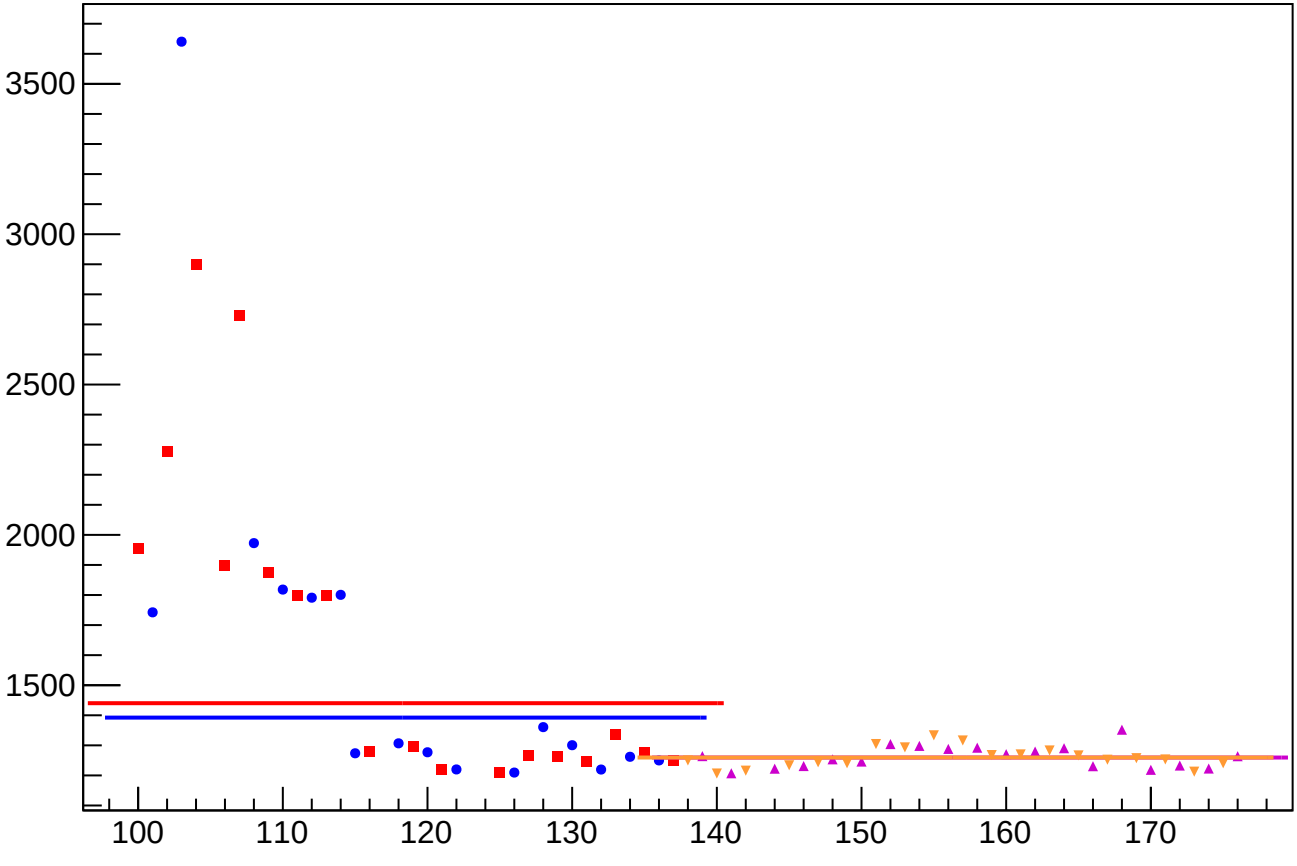
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -45.157+/-273.995 χ^2/NDF:33.1/34

Out: 576.539+/-279.637 χ^2/NDF:43.7/36

All: 259.357+/-195.708 χ^2/NDF: 79.3/71

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1259.539+/-0.230 χ^2/NDF:20814.2/18

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.463+/-0.226 χ^2/NDF:25836.5/18

Left: 1259.501+/-0.161 χ^2/NDF: 46650.7/37

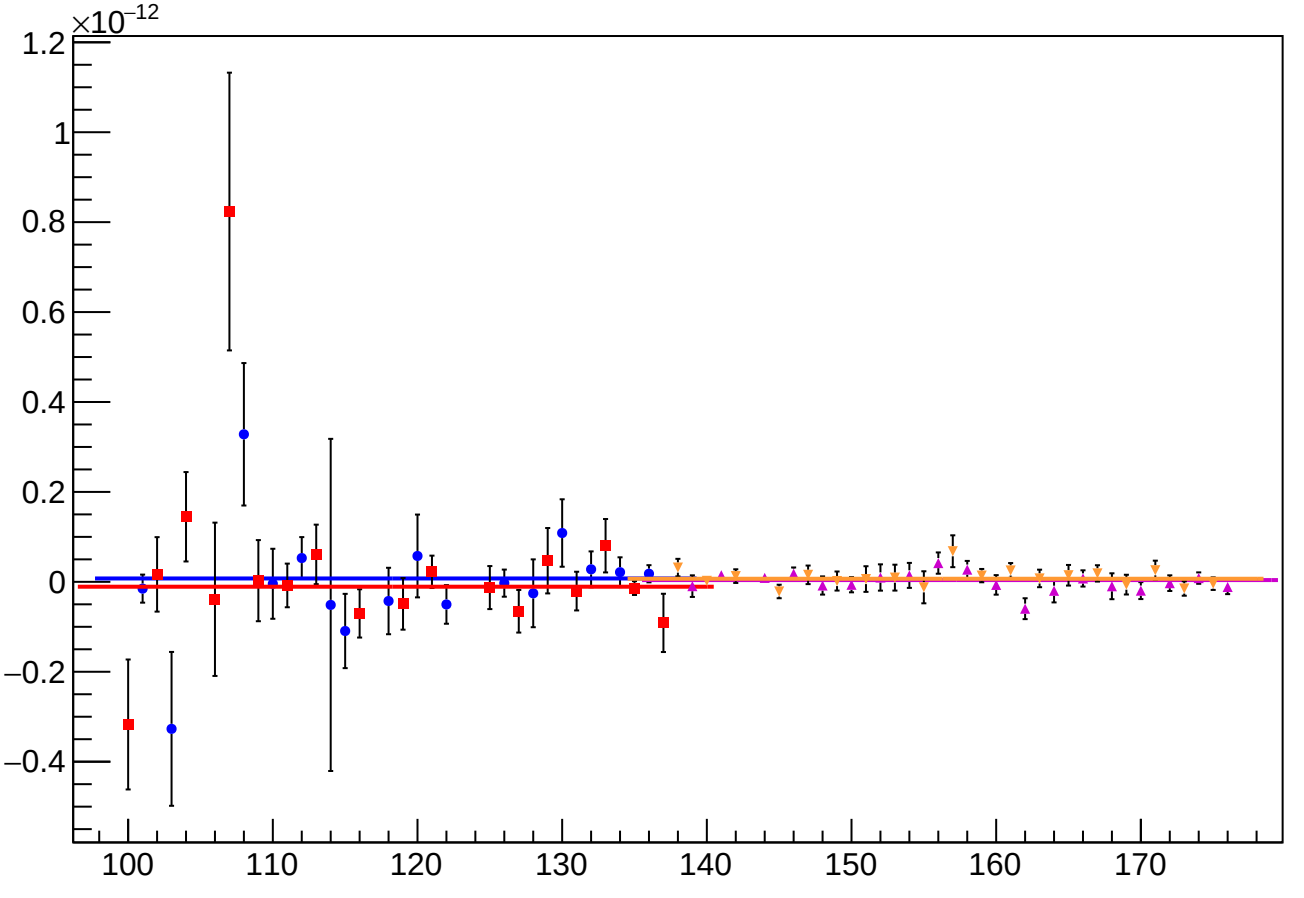
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1294.686+/-0.194 χ^2/NDF:896672.1/34

Out: 1306.220+/-0.198 χ^2/NDF:1035689.8/36

All: 1300.335+/-0.138 χ^2/NDF: 1934097.8/71

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.5/18

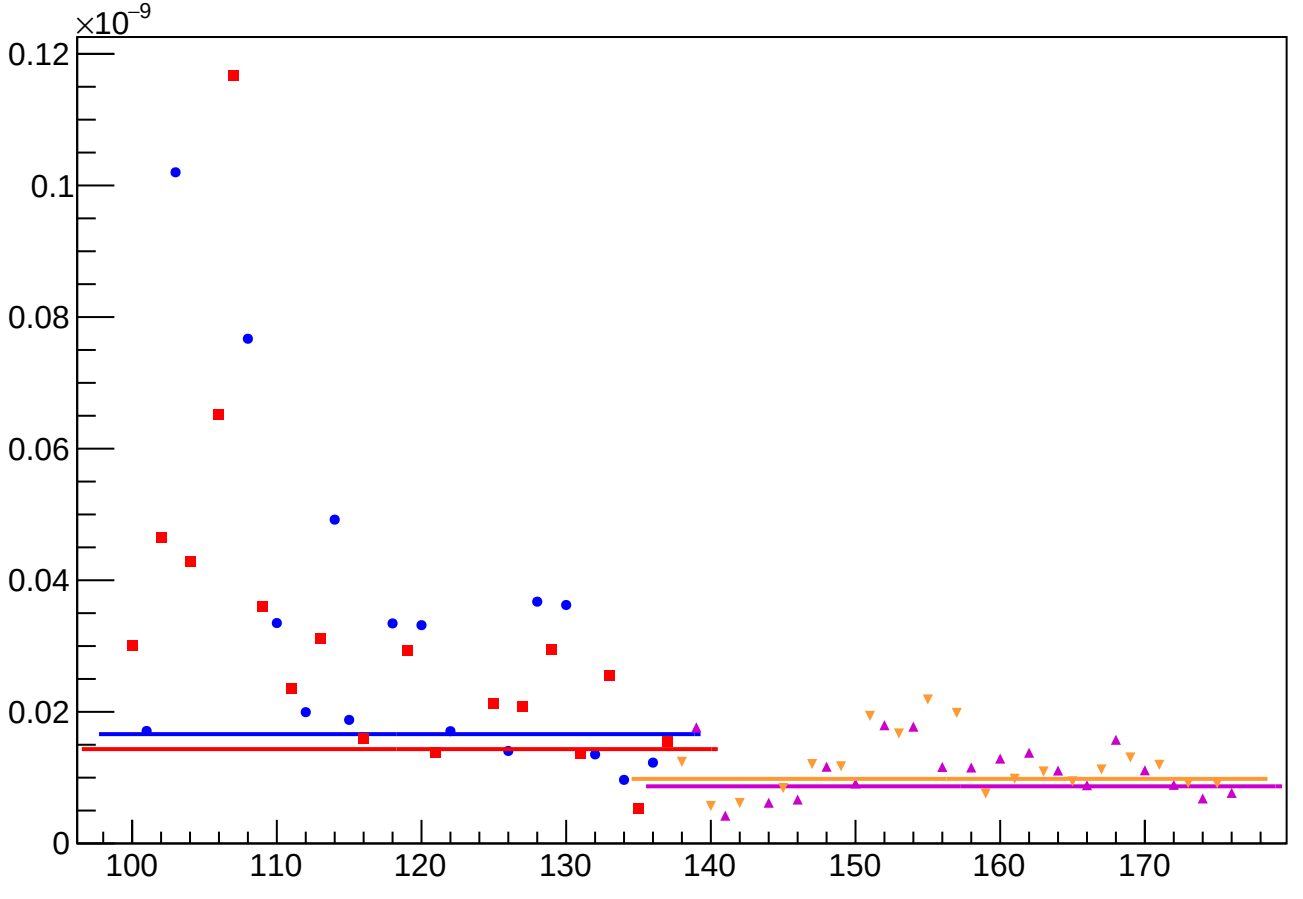
Left: 0.000+/-0.000 χ^2/NDF: 34.4/37

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:36.5/34

Out: 0.000+/-0.000 χ^2/NDF:41.0/36

All: 0.000+/-0.000 χ^2/NDF: 77.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1351905.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1813112.7/18

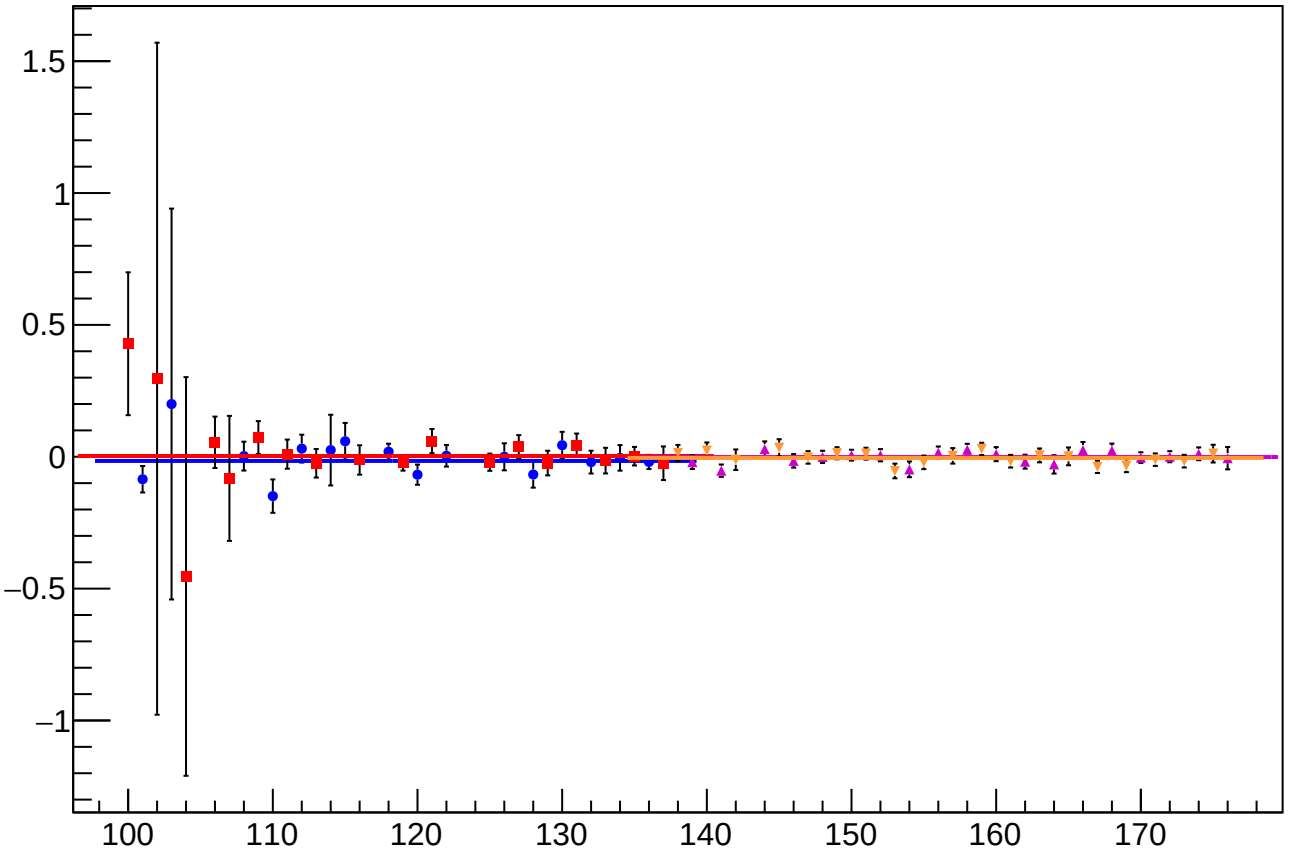
Left: 0.000+/-0.000 χ^2/NDF: 3243804.2/37

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4330376.9/34

Out: 0.000+/-0.000 χ^2/NDF:3924821.6/36

All: 0.000+/-0.000 χ^2/NDF: 8304738.7/71



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.003+/-0.004 χ^2/NDF: 28.7/37

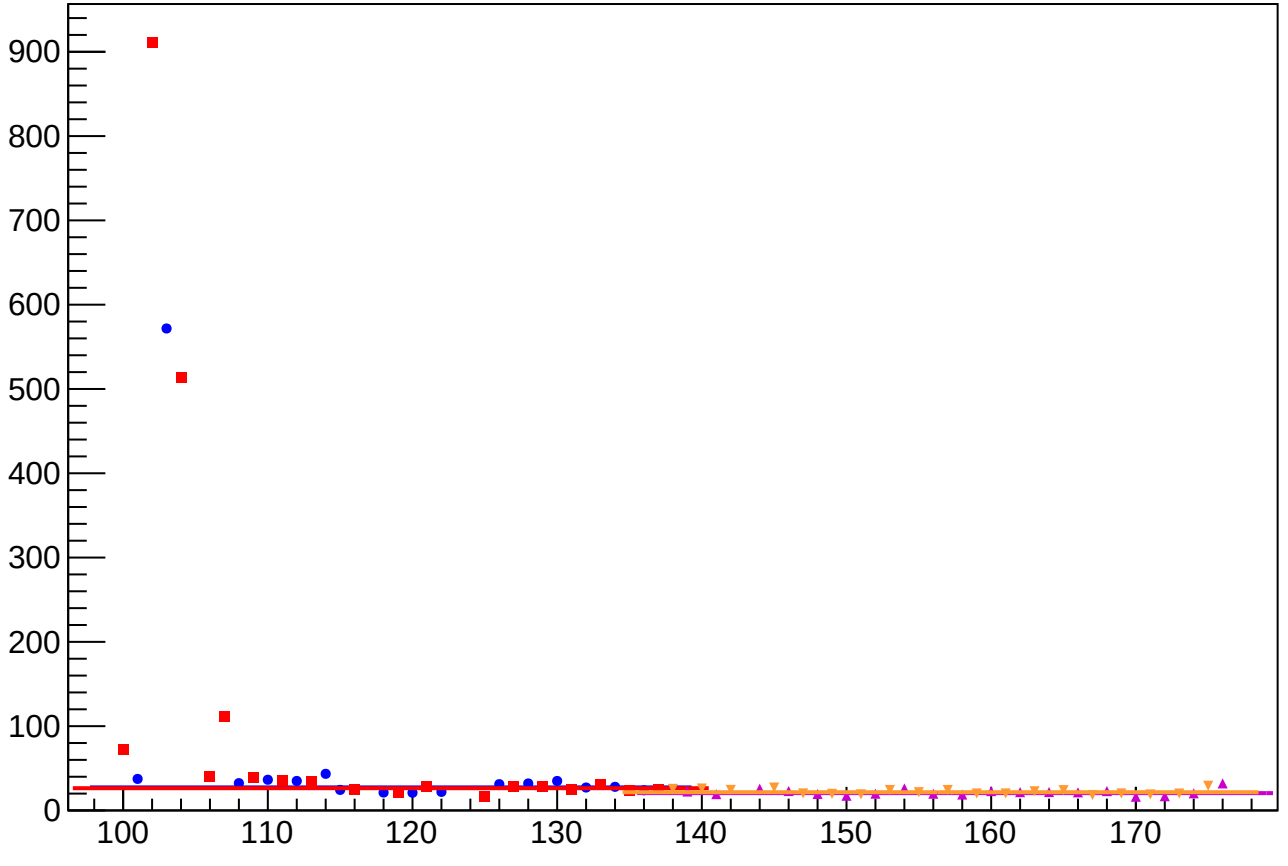
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/71

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.652+/-0.004 χ^2/NDF:437117.6/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

Left: 21.078+/-0.003 χ^2/NDF: 1042596.5/37

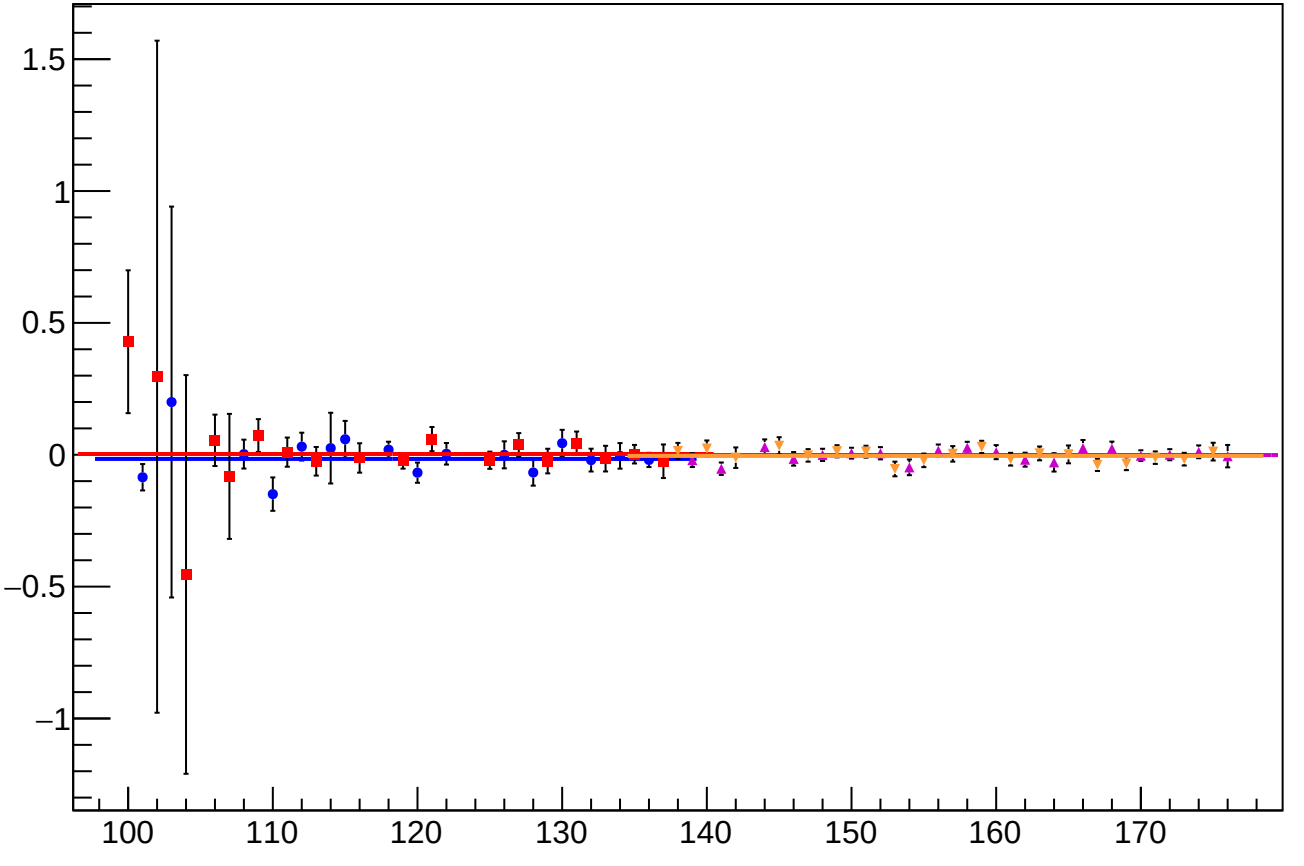
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.909+/-0.004 χ^2/NDF:2684707.6/34

Out: 22.619+/-0.004 χ^2/NDF:3300203.5/36

All: 22.247+/-0.003 χ^2/NDF: 6002899.6/71

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: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.003+/-0.004 χ^2/NDF: 28.7/37

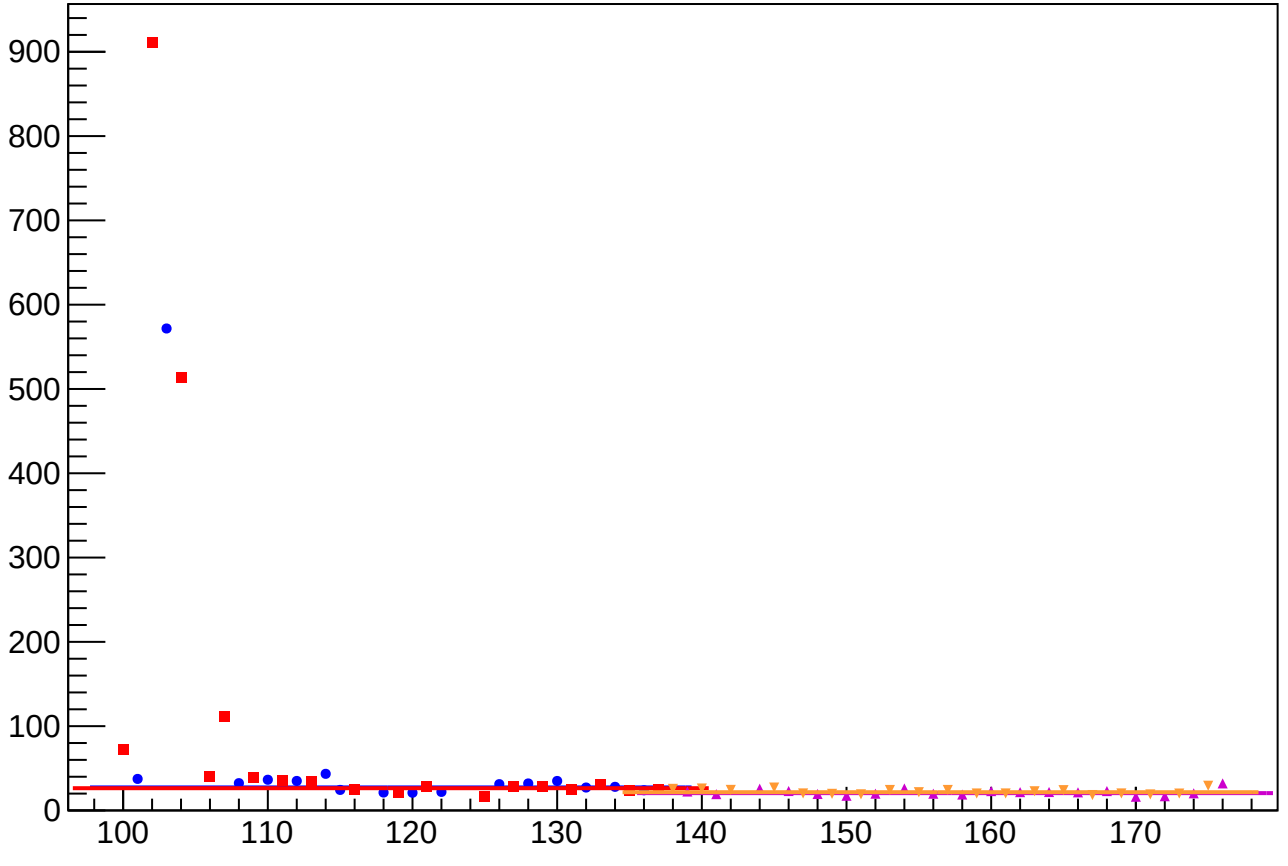
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/71

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: 21.652+/-0.004 χ^2/NDF:437117.6/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

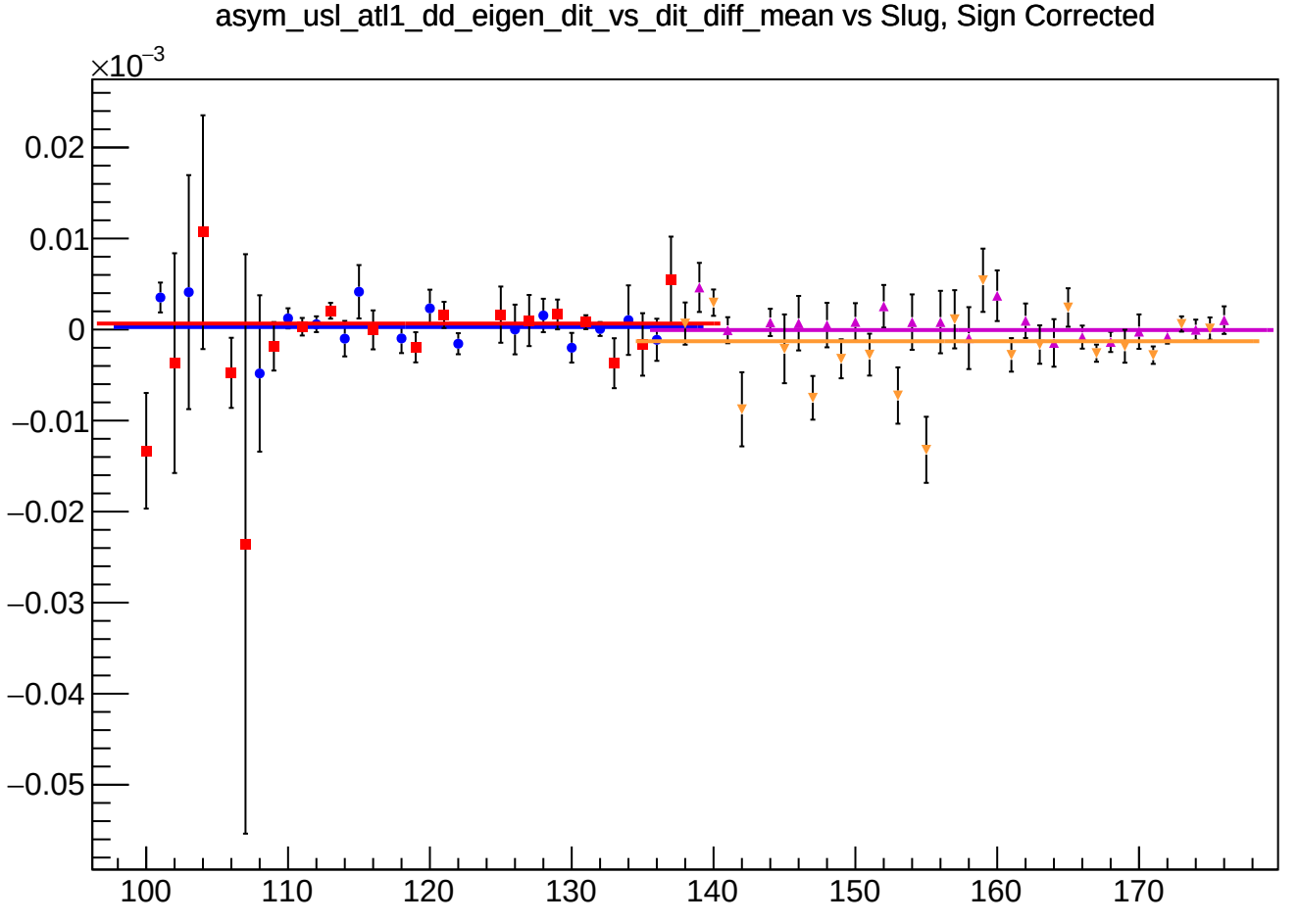
Left: 21.078+/-0.003 χ^2/NDF: 1042596.5/37

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.909+/-0.004 χ^2/NDF:2684707.6/34

Out: 22.619+/-0.004 χ^2/NDF:3300203.5/36

All: 22.247+/-0.003 χ^2/NDF: 6002899.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

Left: -0.000+/-0.000 χ^2/NDF: 70.6/37

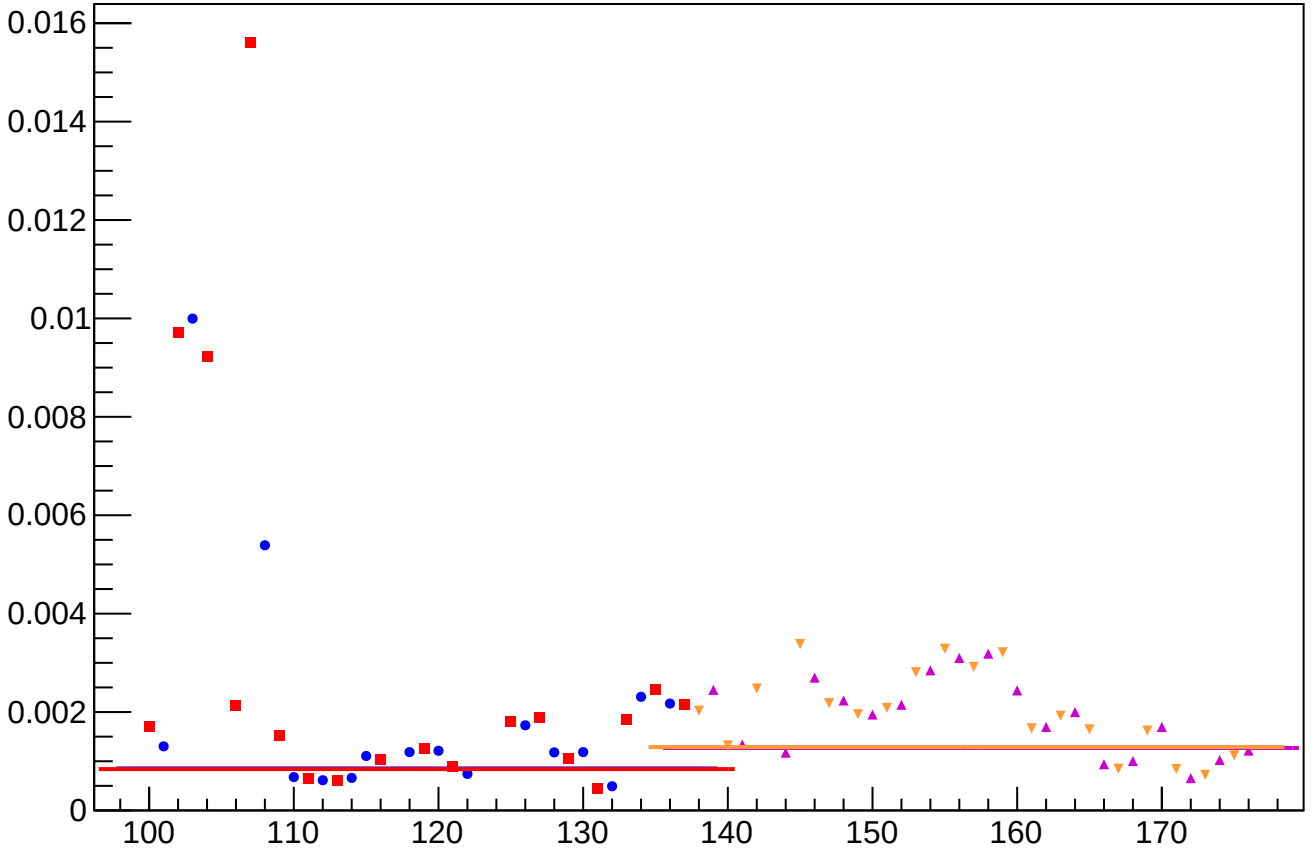
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:25.7/34

Out: -0.000+/-0.000 χ^2/NDF:86.0/36

All: -0.000+/-0.000 χ^2/NDF: 113.3/71

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:6133232.8/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5866679.5/18

Left: 0.001+/-0.000 χ^2/NDF: 12002213.4/37

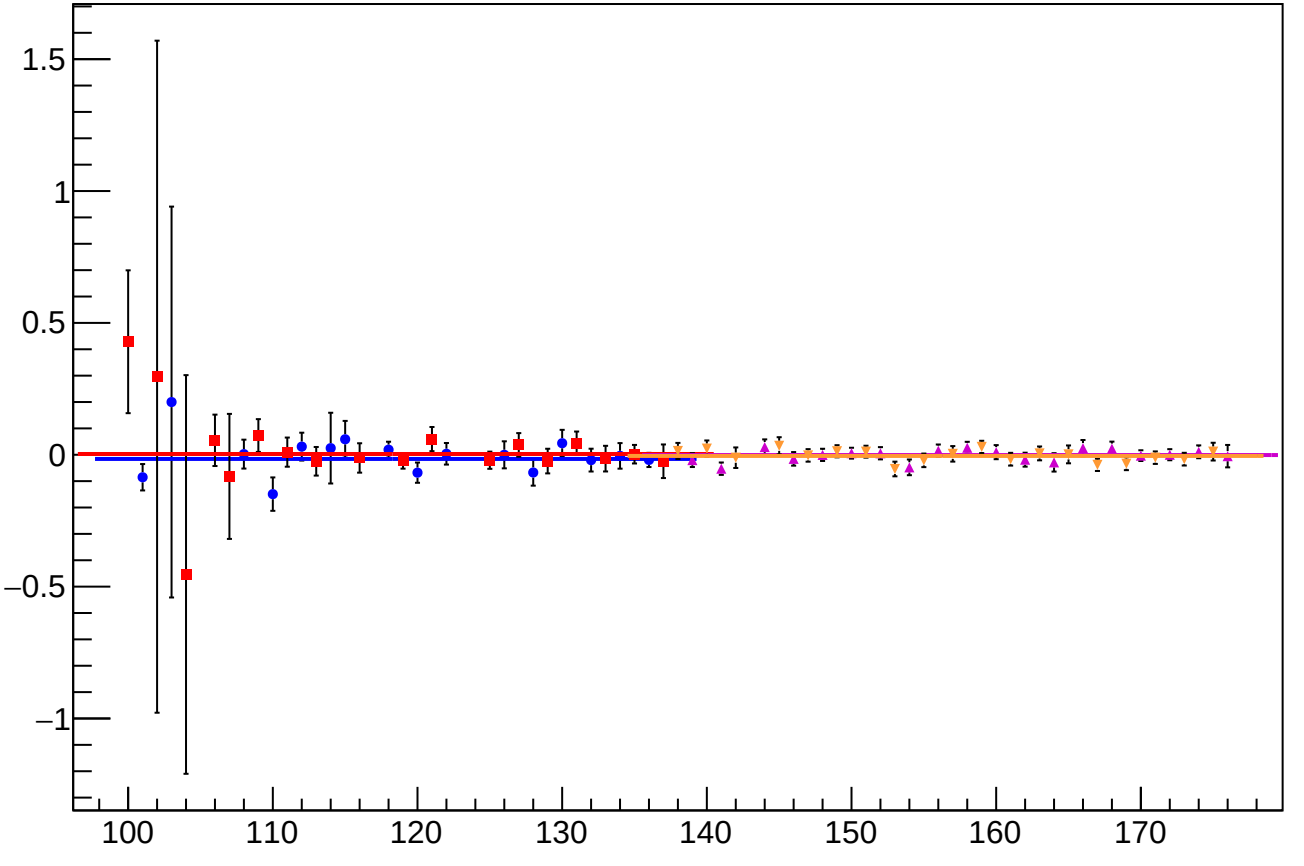
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10987164.0/34

Out: 0.001+/-0.000 χ^2/NDF:12504321.6/36

All: 0.001+/-0.000 χ^2/NDF: 23493116.9/71

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: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.003+/-0.004 χ^2/NDF: 28.7/37

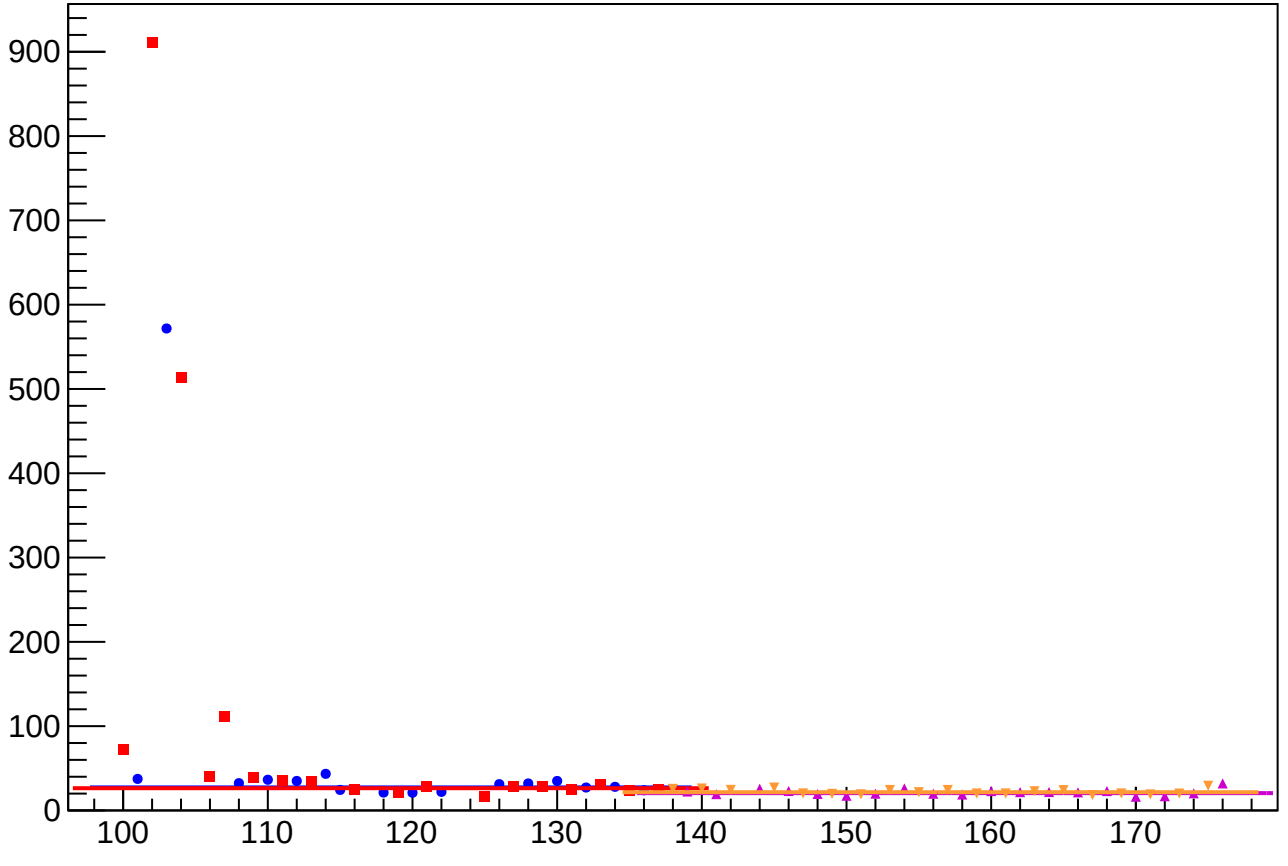
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/71

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: 21.652+/-0.004 χ^2/NDF:437088.7/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571618.5/18

Left: 21.078+/-0.003 χ^2/NDF: 1042581.8/37

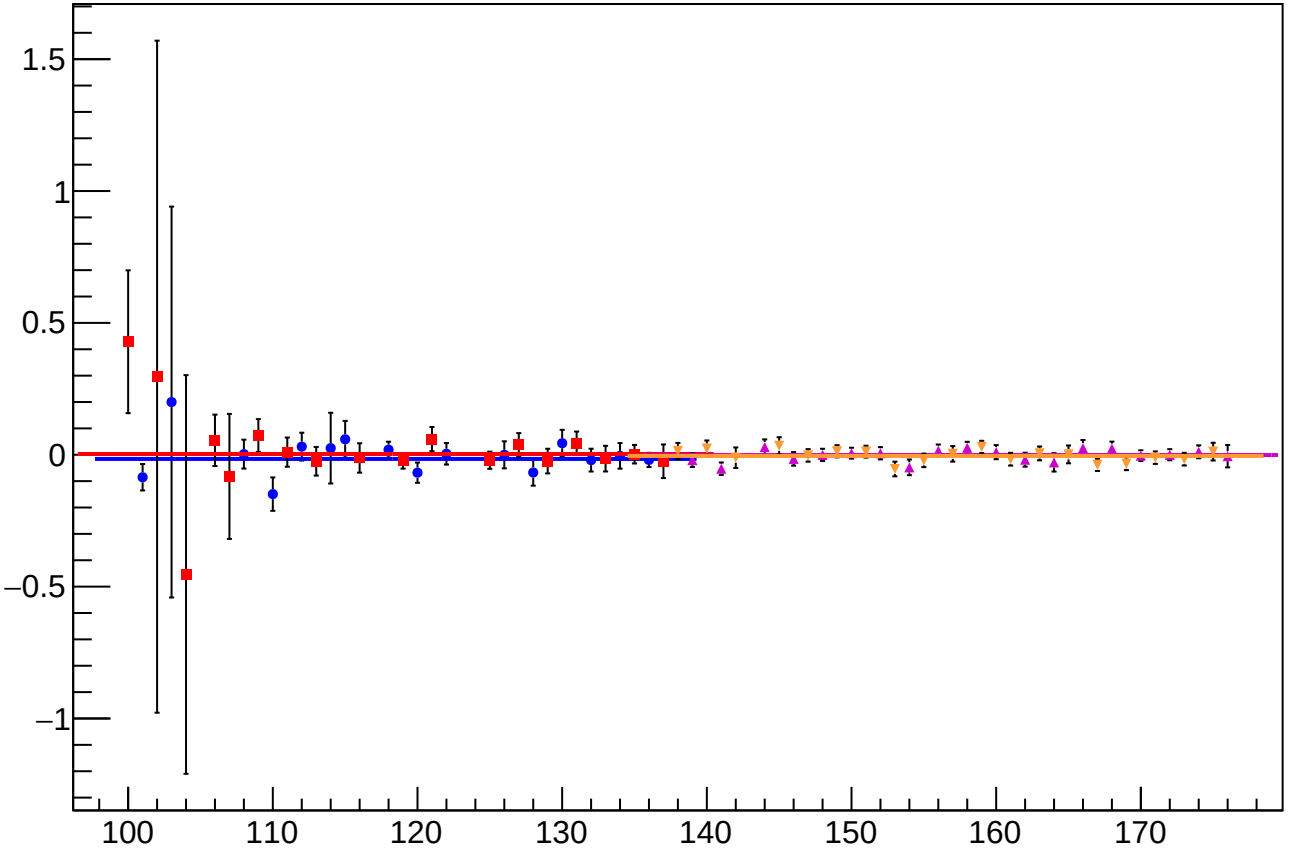
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.909+/-0.004 χ^2/NDF:2684722.9/34

Out: 22.619+/-0.004 χ^2/NDF:3300197.5/36

All: 22.247+/-0.003 χ^2/NDF: 6002908.4/71

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: -0.004+/-0.006 χ^2/NDF:14.1/18

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.003+/-0.004 χ^2/NDF: 28.7/37

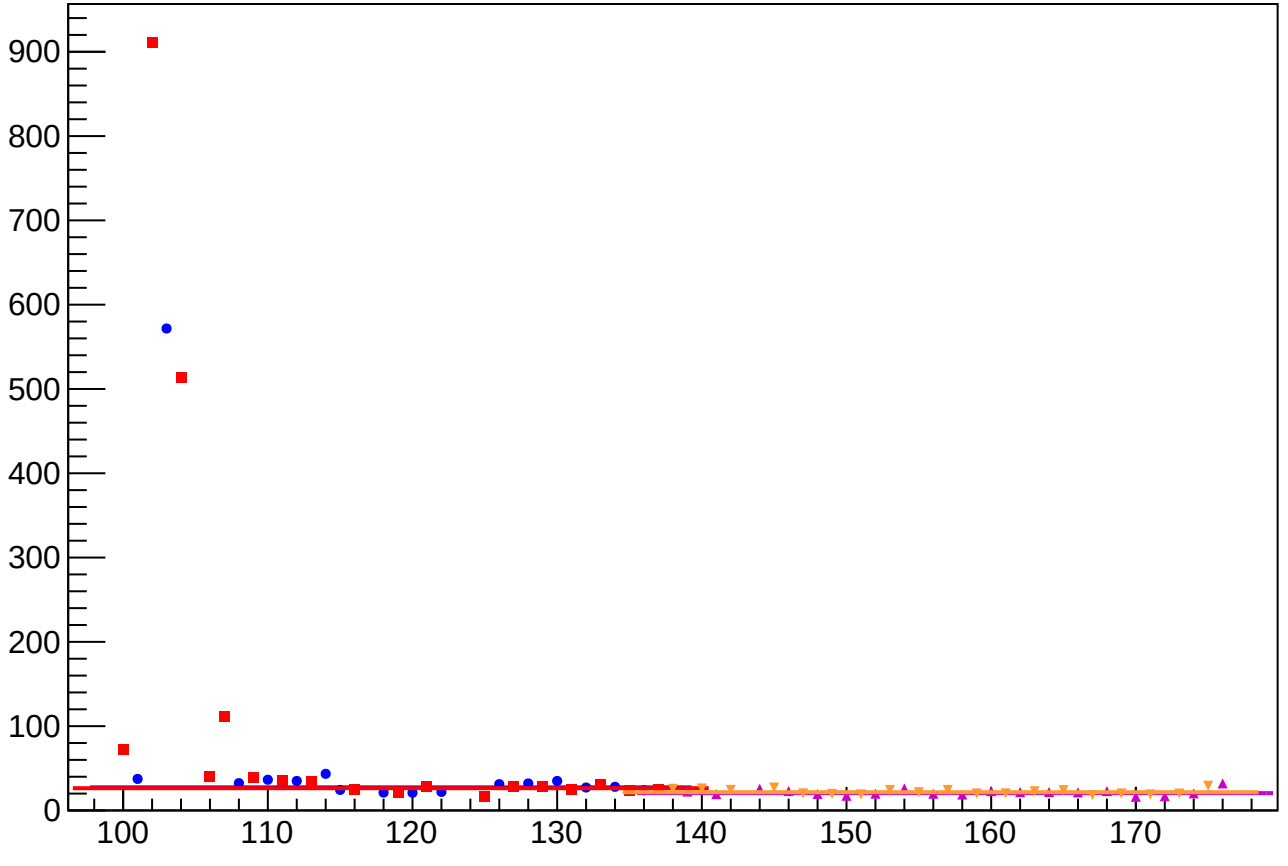
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.003+/-0.005 χ^2/NDF:24.2/36

All: -0.003+/-0.004 χ^2/NDF: 54.7/71

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: 21.652+/-0.004 χ^2/NDF:437088.7/18

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571618.5/18

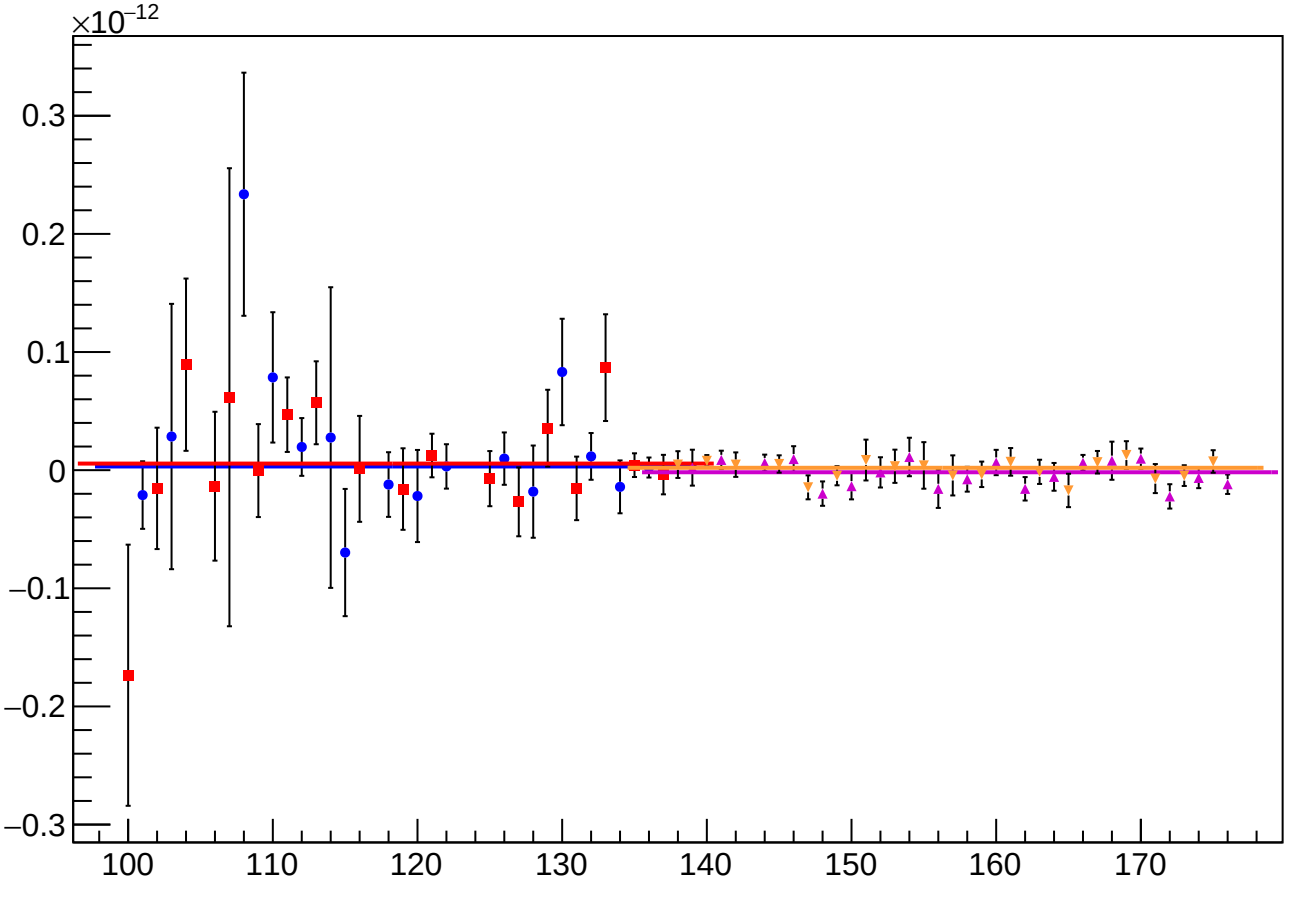
Left: 21.078+/-0.003 χ^2/NDF: 1042581.8/37

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.909+/-0.004 χ^2/NDF:2684722.9/34

Out: 22.619+/-0.004 χ^2/NDF:3300197.5/36

All: 22.247+/-0.003 χ^2/NDF: 6002908.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:22.2/18

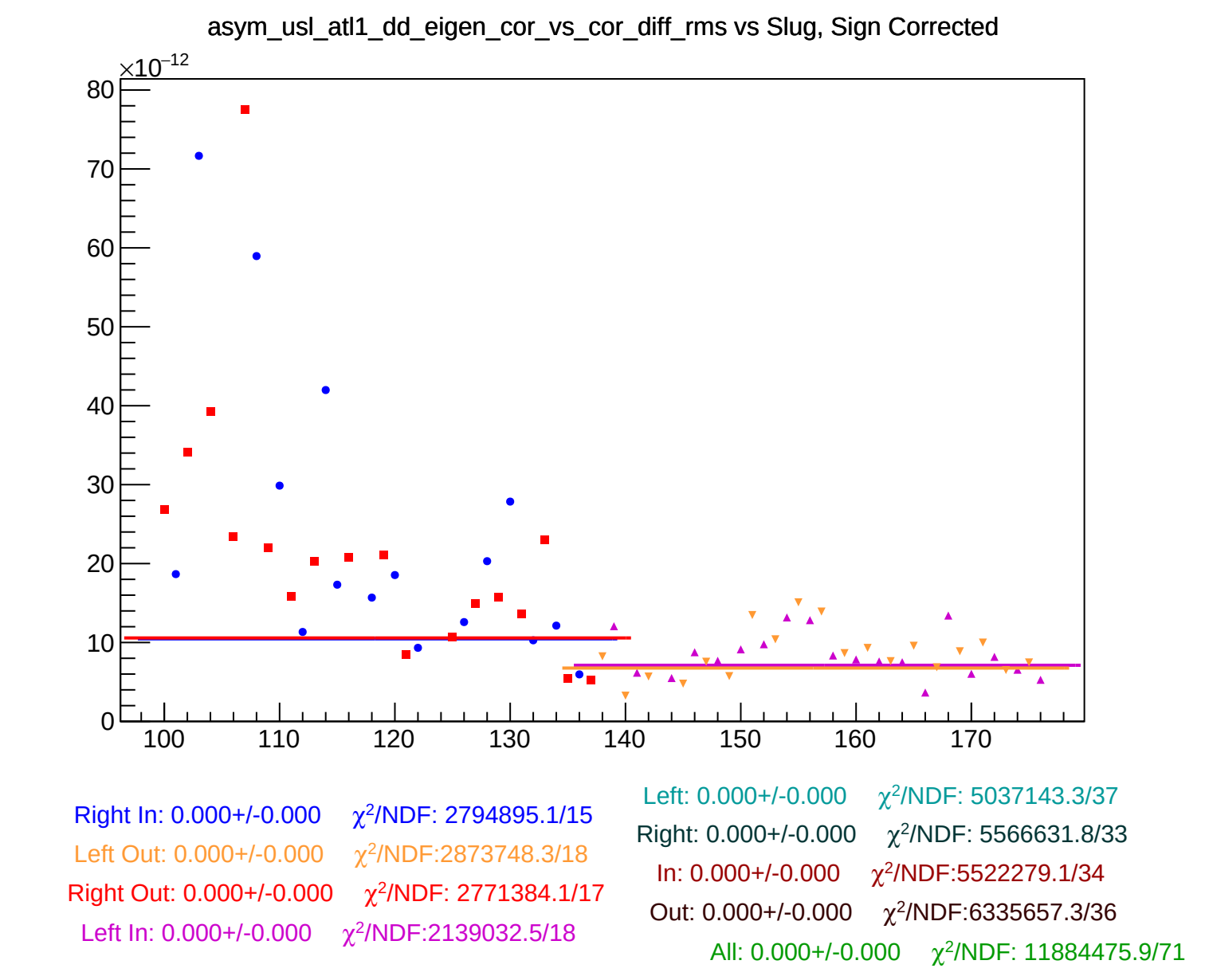
Left: 0.000+/-0.000 χ^2/NDF: 33.9/37

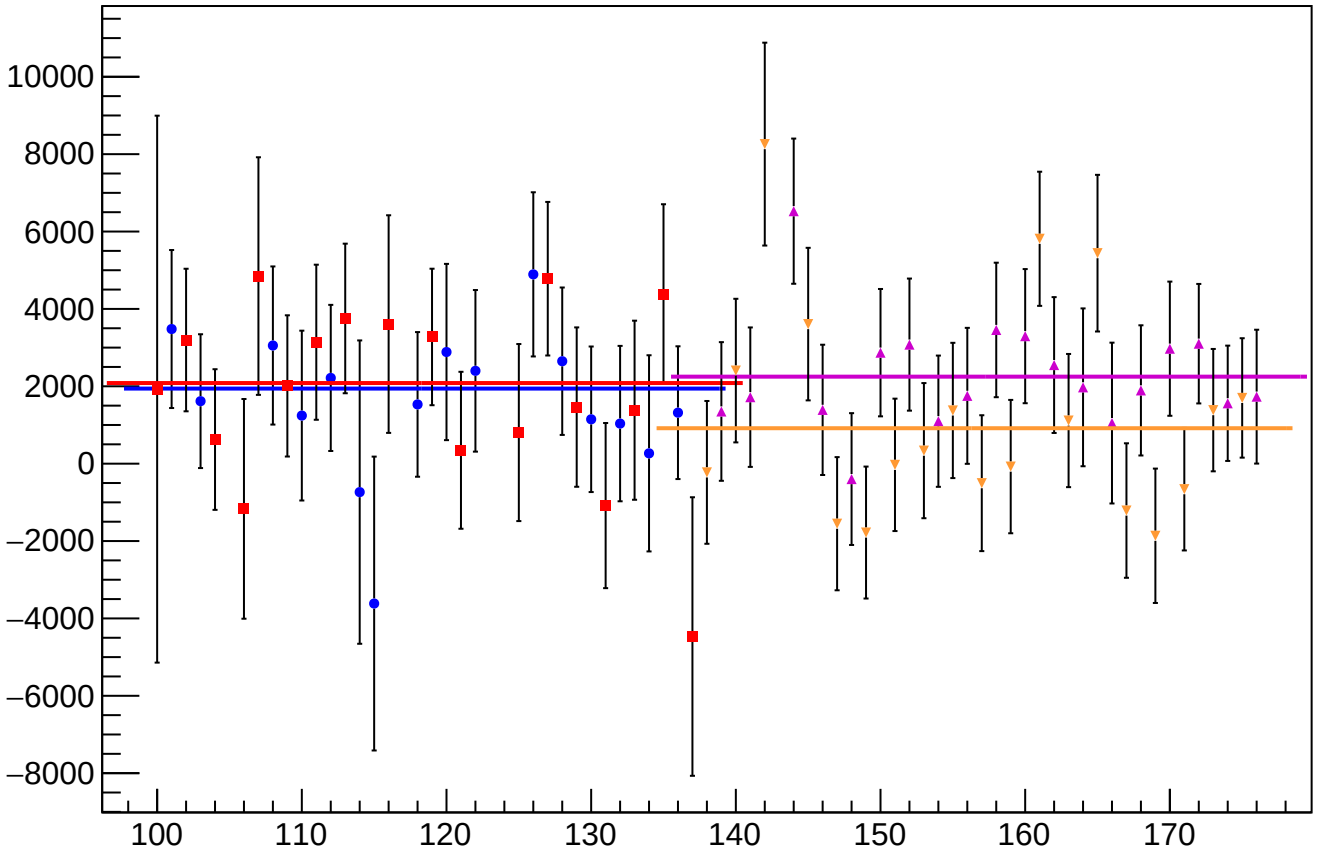
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:37.9/34

Out: 0.000+/-0.000 χ^2/NDF:25.9/36

All: 0.000+/-0.000 χ^2/NDF: 65.2/71


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2873748.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2139032.5/18
Left: 0.000+/-0.000 χ²/NDF: 5037143.3/37
Right: 0.000+/-0.000 χ²/NDF: 5566631.8/33
In: 0.000+/-0.000 χ²/NDF:5522279.1/34
Out: 0.000+/-0.000 χ²/NDF:6335657.3/36
All: 0.000+/-0.000 χ²/NDF: 11884475.9/71



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.287+/-404.198 χ^2/NDF:35.1/18

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2249.125+/-397.354 χ^2/NDF:11.2/18

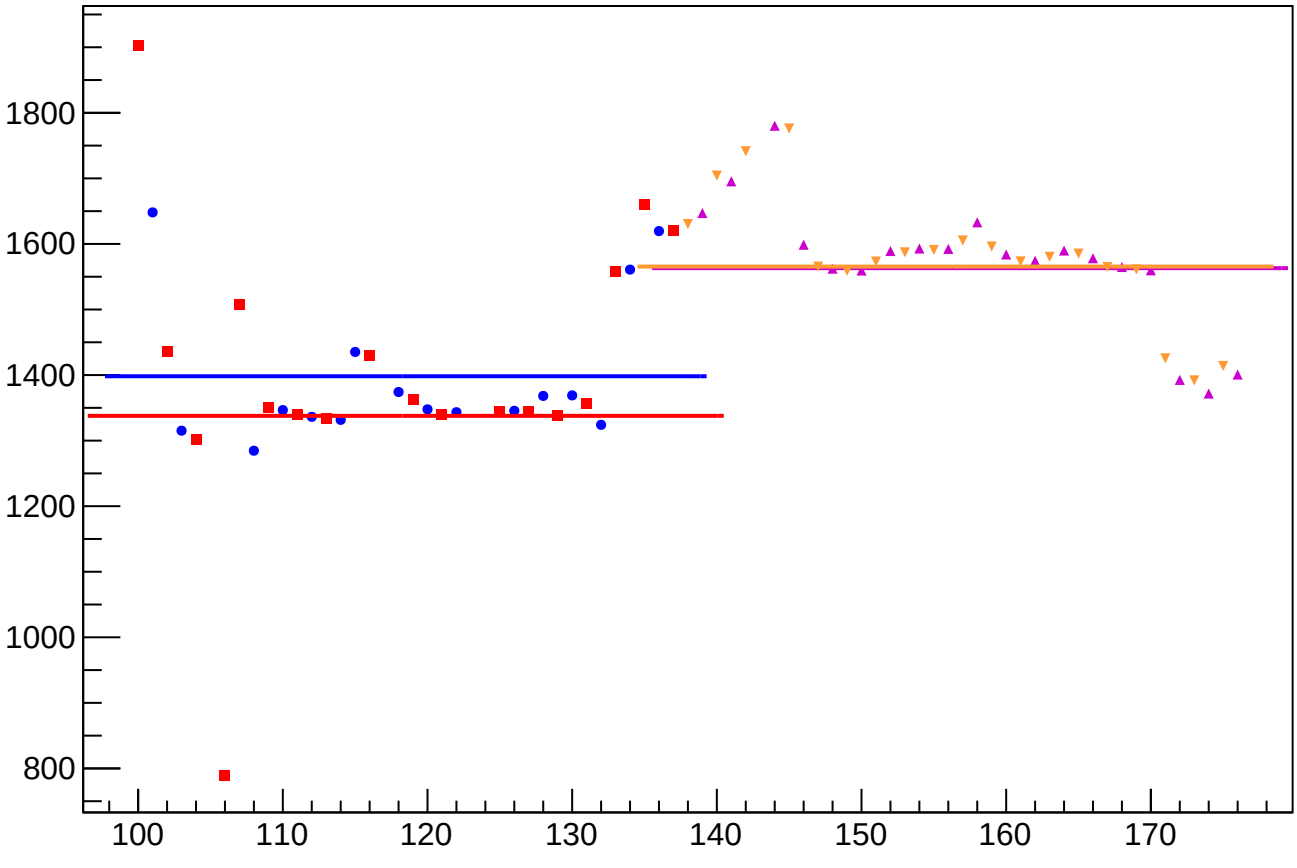
Left: 1594.084+/-283.360 χ^2/NDF: 51.9/37

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2136.123+/-316.212 χ^2/NDF:18.3/34

Out: 1356.511+/-319.031 χ^2/NDF:52.8/36

All: 1749.777+/-224.586 χ^2/NDF: 74.1/71



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.2/18

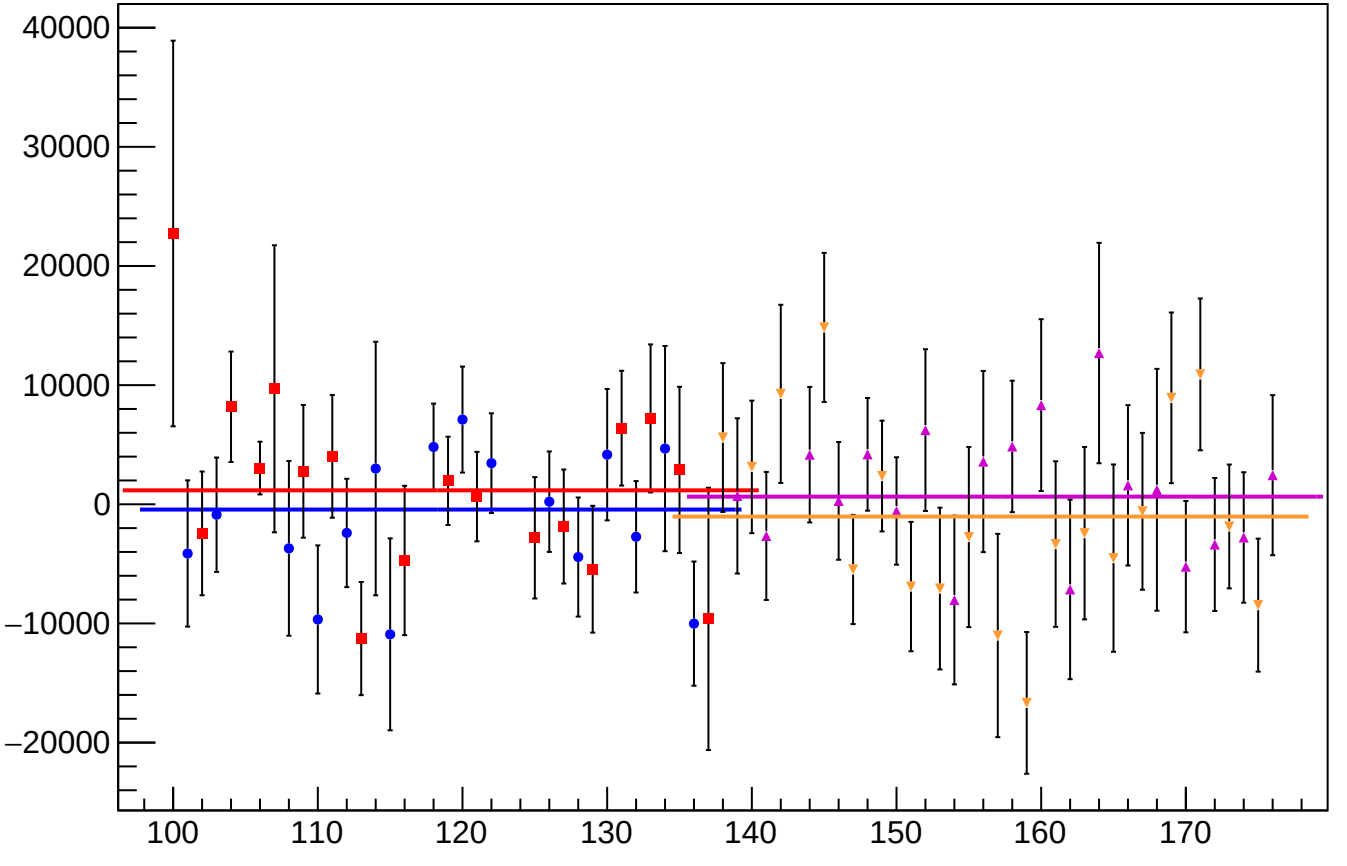
Left: 1564.257+/-0.200 χ^2/NDF: 230907.5/37

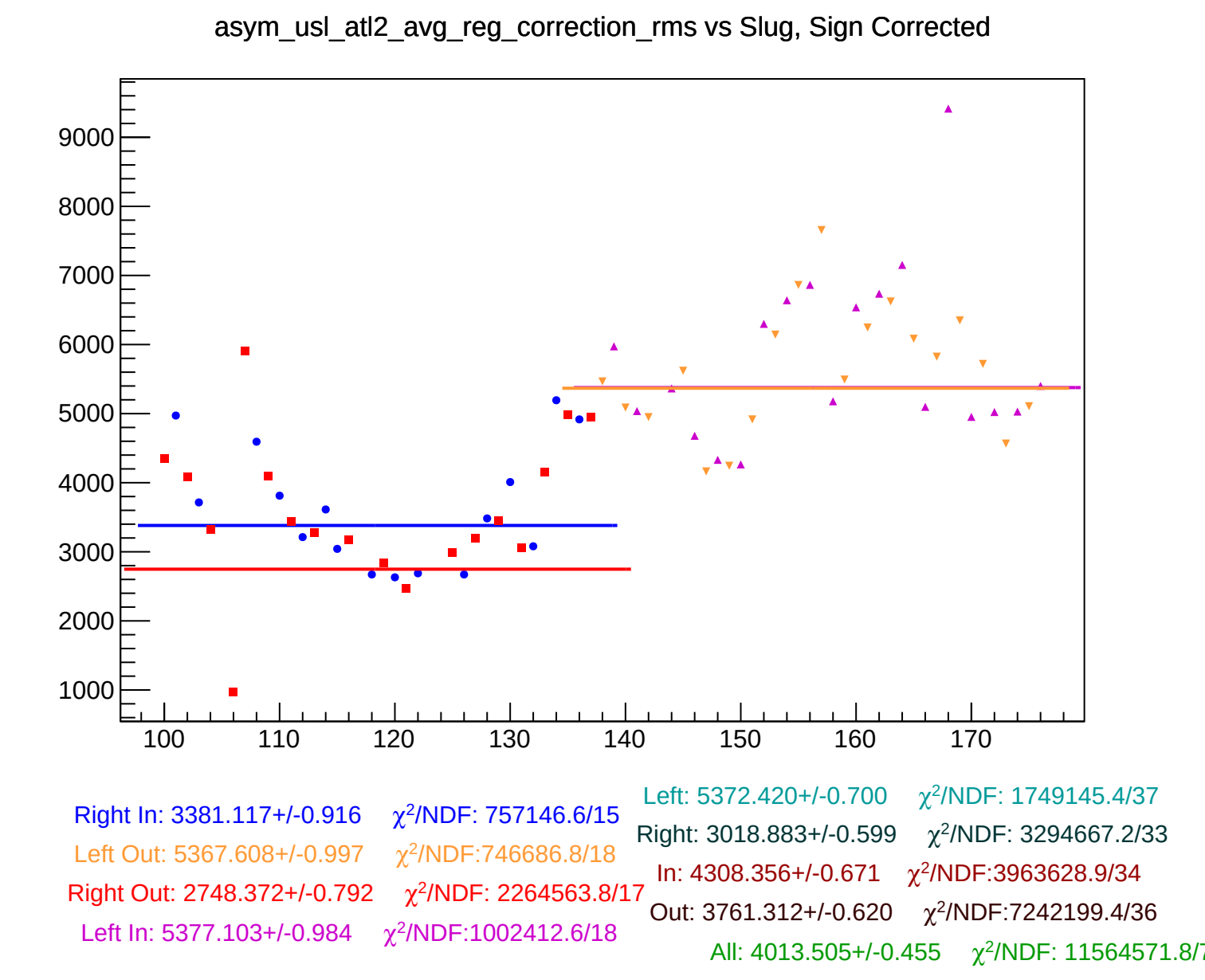
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

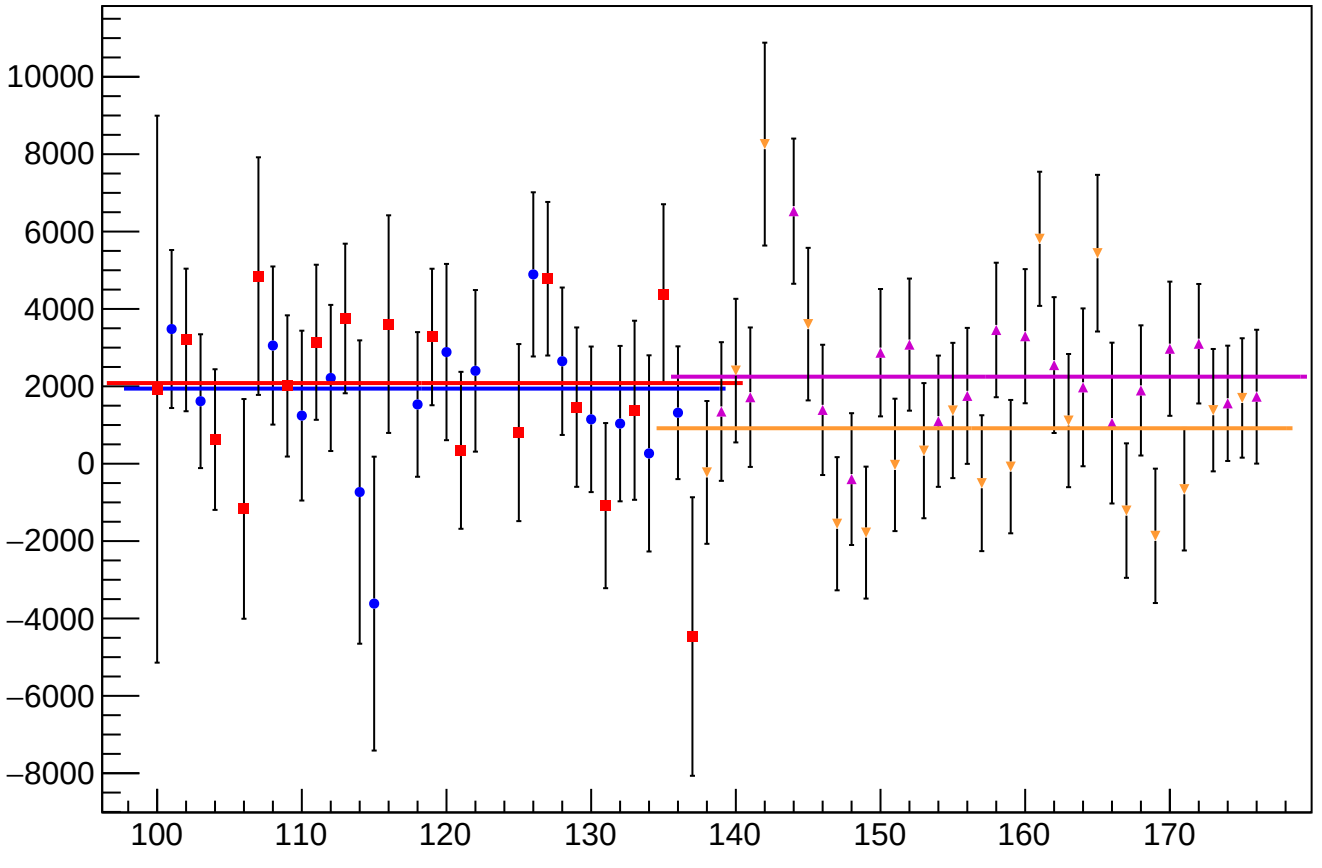
In: 1502.600+/-0.224 χ^2/NDF:343797.8/34

Out: 1476.223+/-0.223 χ^2/NDF:673846.6/36

All: 1489.368+/-0.158 χ^2/NDF: 1024625.8/71


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1031.908+/-1410.250 χ²/NDF:29.4/18
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 642.761+/-1391.293 χ²/NDF:10.4/18
Left: -183.242+/-990.427 χ²/NDF: 40.4/37
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 62.390+/-948.278 χ²/NDF:26.6/34
Out: 319.403+/-877.002 χ²/NDF:50.5/36
All: 200.917+/-643.859 χ²/NDF: 77.2/71


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5367.608+/-0.997 χ²/NDF:746686.8/18
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5377.103+/-0.984 χ²/NDF:1002412.6/18
Left: 5372.420+/-0.700 χ²/NDF: 1749145.4/37
Right: 3018.883+/-0.599 χ²/NDF: 3294667.2/33
In: 4308.356+/-0.671 χ²/NDF:3963628.9/34
Out: 3761.312+/-0.620 χ²/NDF:7242199.4/36
All: 4013.505+/-0.455 χ²/NDF: 11564571.8/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2249.179+/-397.354 χ^2/NDF:11.2/18

Left: 1594.127+/-283.360 χ^2/NDF: 51.9/37

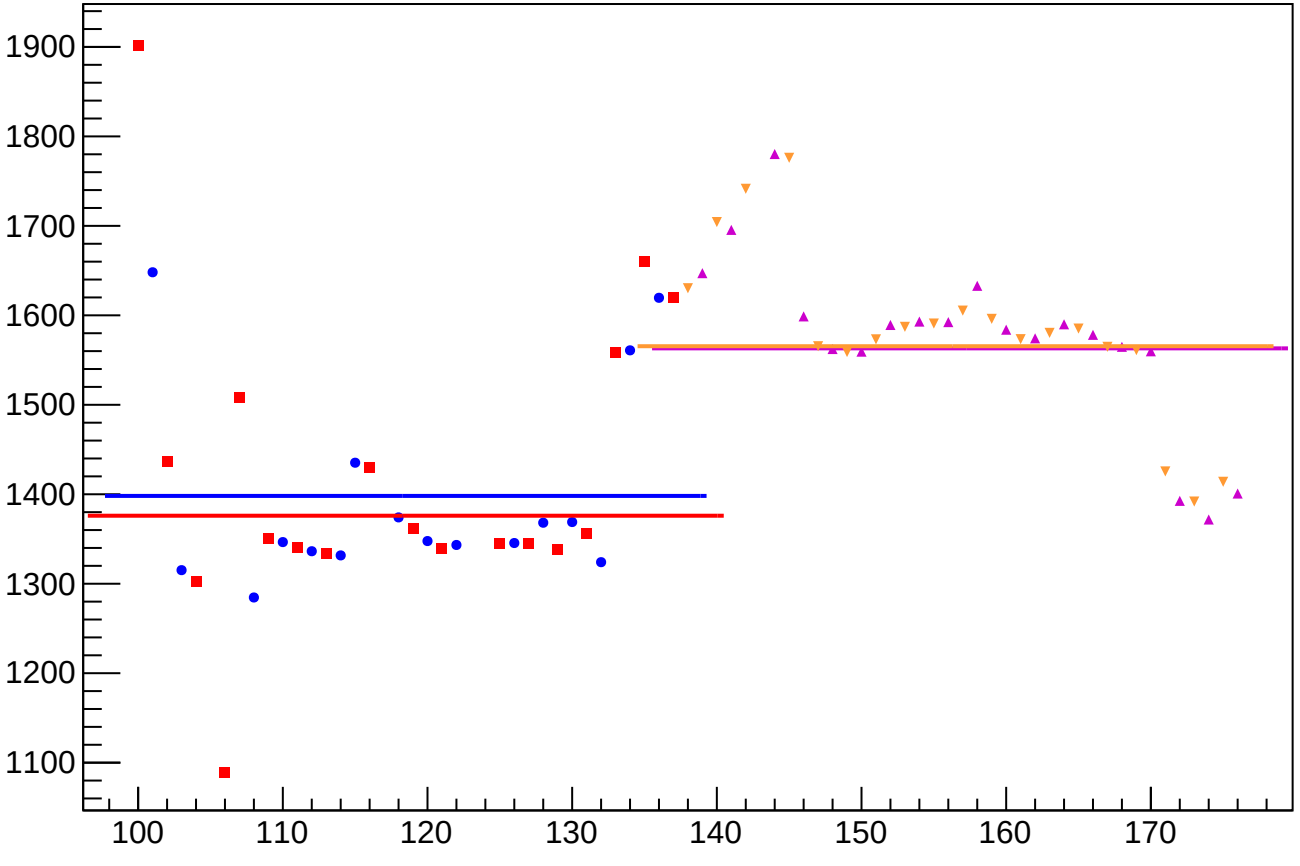
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2136.177+/-316.212 χ^2/NDF:18.3/34

Out: 1356.608+/-319.032 χ^2/NDF:52.8/36

All: 1749.854+/-224.586 χ^2/NDF: 74.1/71

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

Left: 1564.257+/-0.200 χ^2/NDF: 230907.5/37

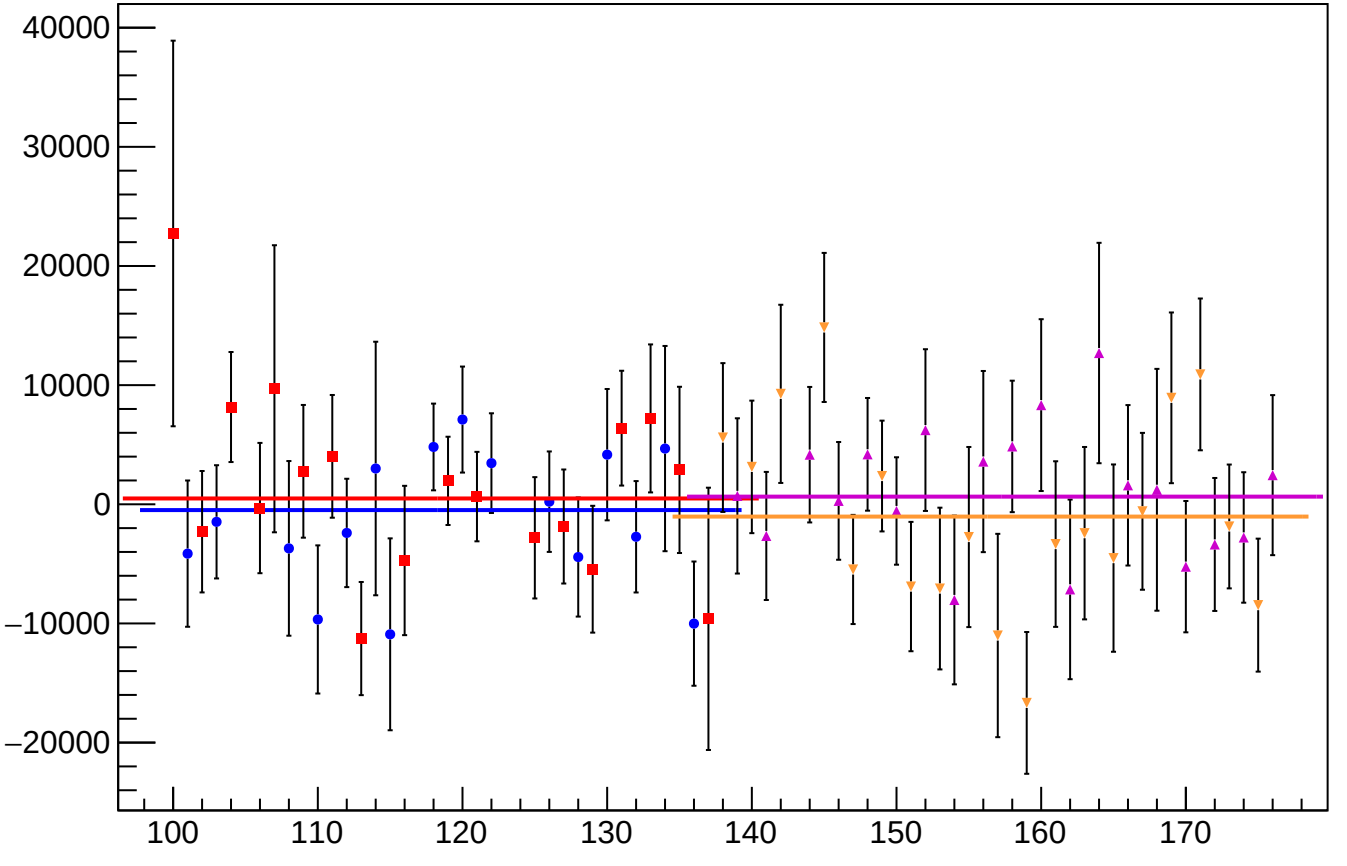
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1502.600+/-0.224 χ^2/NDF:343798.0/34

Out: 1492.857+/-0.224 χ^2/NDF:389798.5/36

All: 1497.747+/-0.158 χ^2/NDF: 734542.4/71

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1031.929+/-1410.251 χ^2/NDF:29.4/18

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 642.869+/-1391.292 χ^2/NDF:10.4/18

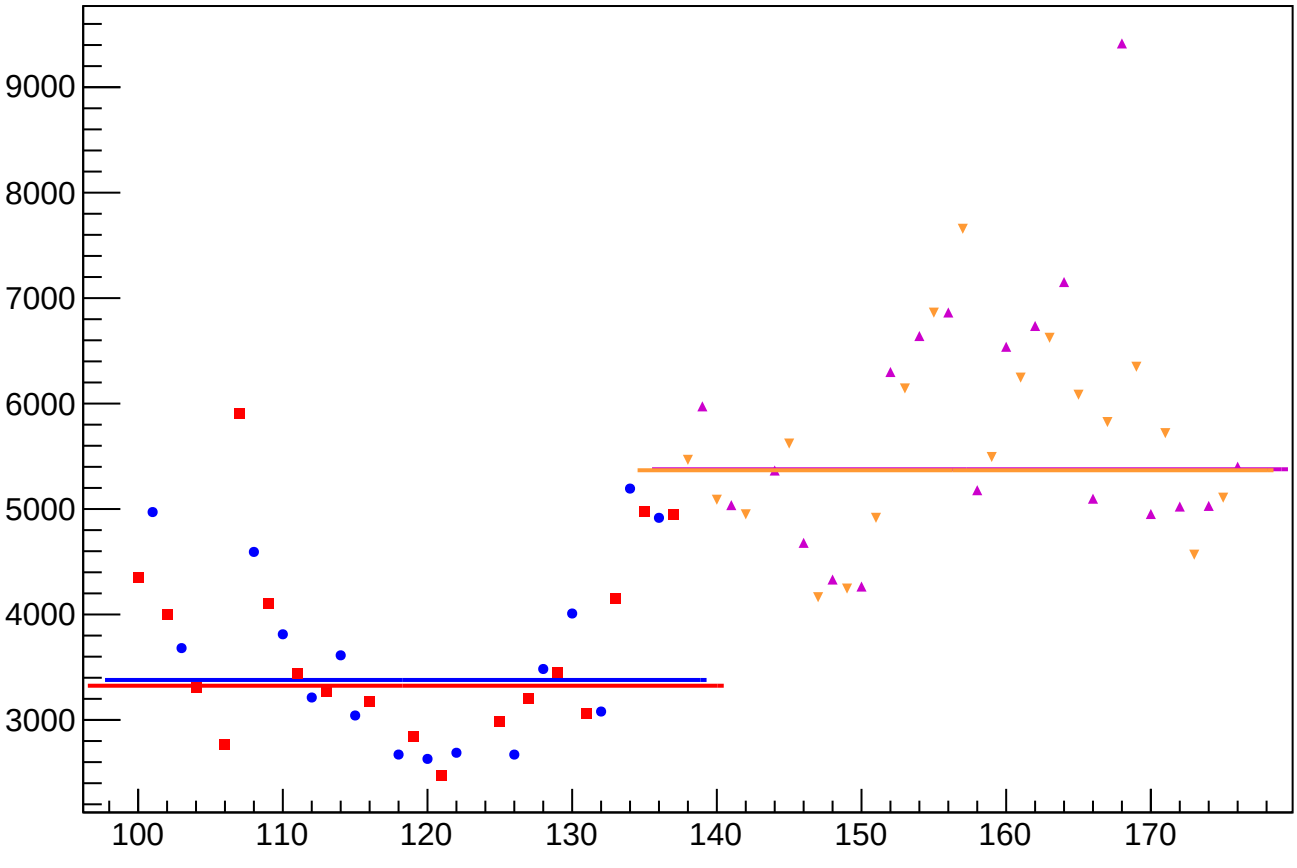
Left: -183.197+/-990.427 χ^2/NDF: 40.5/37

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 37.690+/-947.891 χ^2/NDF:26.7/34

Out: -187.163+/-940.146 χ^2/NDF:48.7/36

All: -75.659+/-667.505 χ^2/NDF: 75.4/71



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

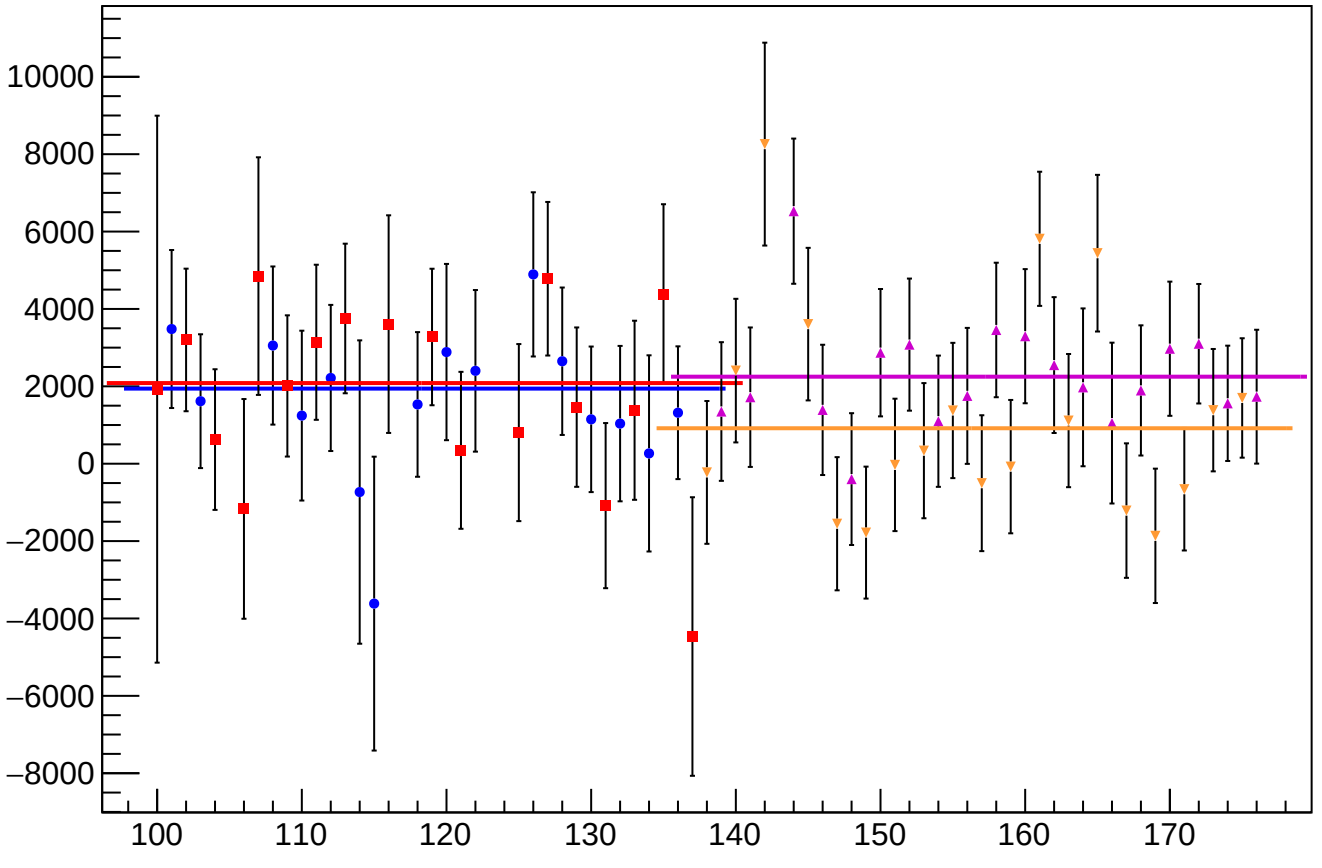
Left: 5372.419+/-0.700 χ^2/NDF: 1749148.9/37

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4306.524+/-0.670 χ^2/NDF:3967819.0/34

Out: 4232.480+/-0.665 χ^2/NDF:3622803.4/36

All: 4269.198+/-0.472 χ^2/NDF: 7596774.3/71



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 916.318+/-404.198 χ^2/NDF:35.1/18

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2249.179+/-397.354 χ^2/NDF:11.2/18

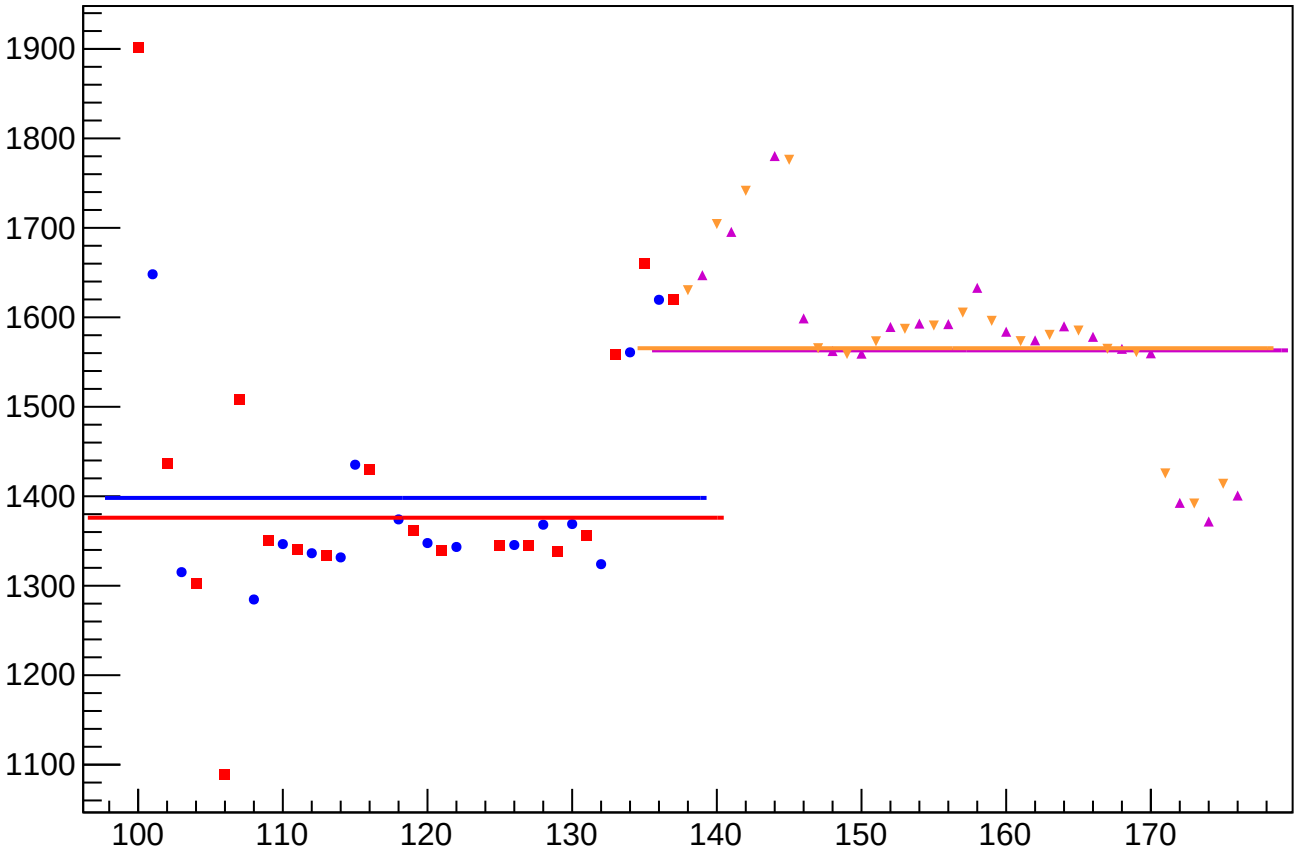
Left: 1594.127+/-283.360 χ^2/NDF: 51.9/37

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2136.177+/-316.212 χ^2/NDF:18.3/34

Out: 1356.608+/-319.032 χ^2/NDF:52.8/36

All: 1749.854+/-224.586 χ^2/NDF: 74.1/71



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1565.479+/-0.286 χ^2/NDF:107333.5/18

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

Left: 1564.257+/-0.200 χ^2/NDF: 230907.5/37

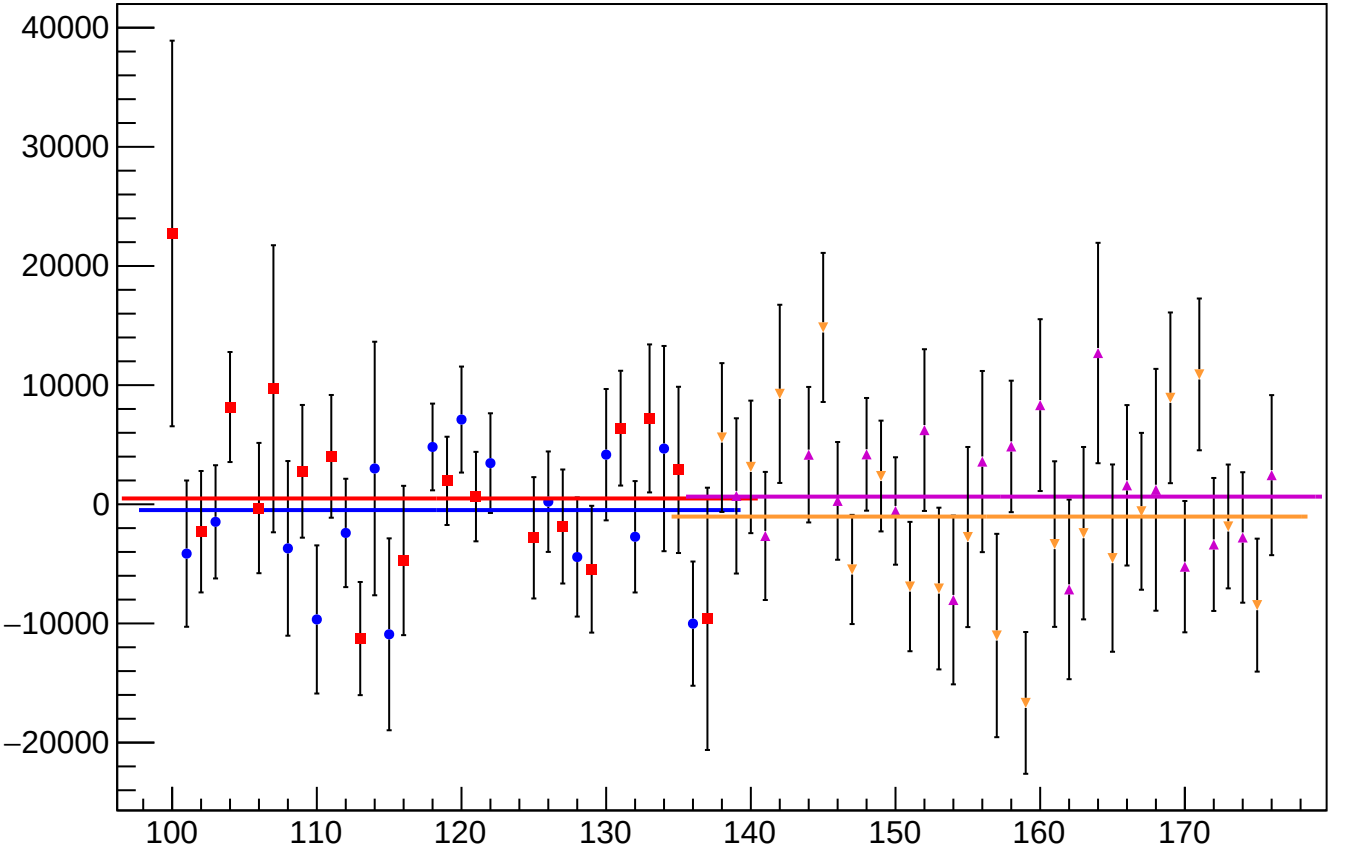
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1502.600+/-0.224 χ^2/NDF:343798.0/34

Out: 1492.857+/-0.224 χ^2/NDF:389798.5/36

All: 1497.747+/-0.158 χ^2/NDF: 734542.4/71

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: -1031.929+/-1410.251 χ^2/NDF:29.4/18

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 642.869+/-1391.292 χ^2/NDF:10.4/18

Left: -183.197+/-990.427 χ^2/NDF: 40.5/37

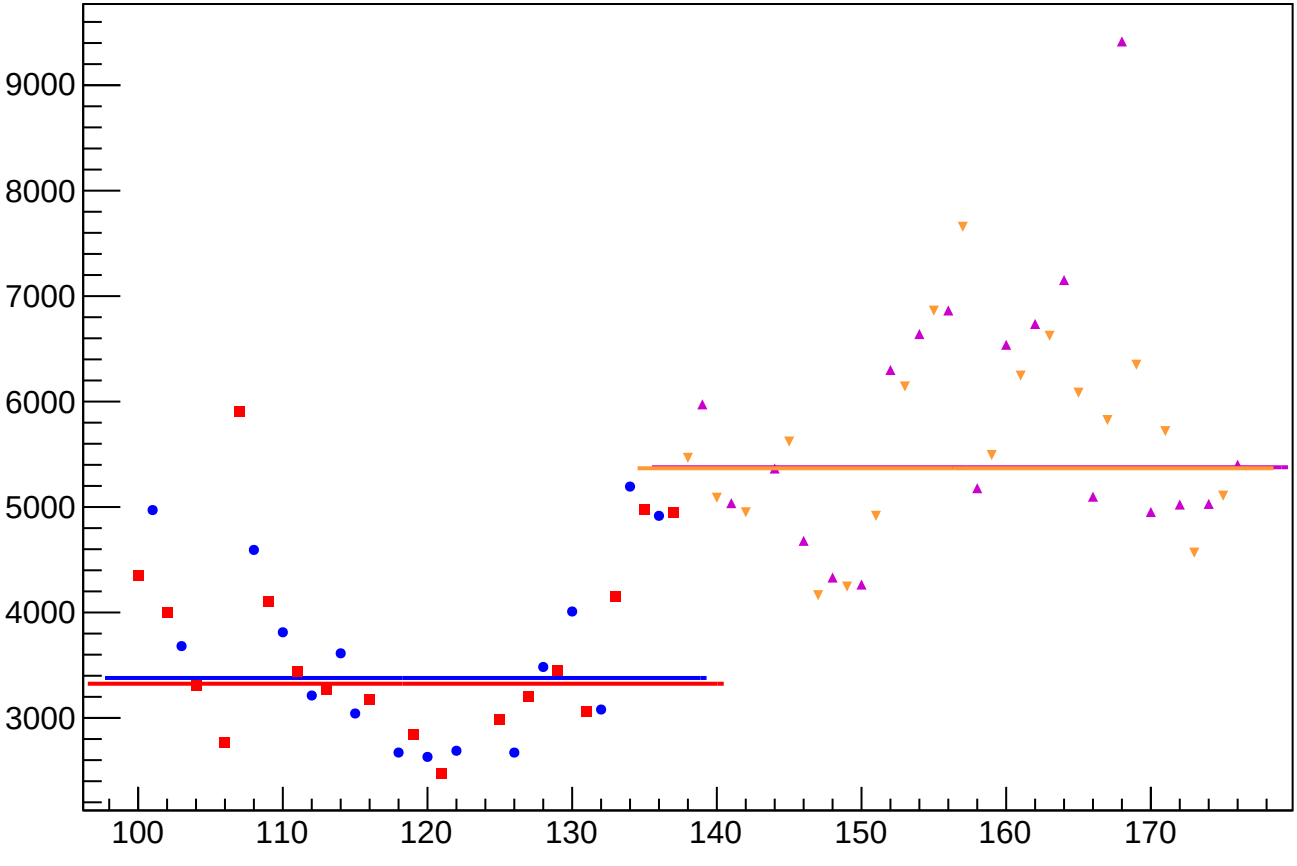
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 37.690+/-947.891 χ^2/NDF:26.7/34

Out: -187.163+/-940.146 χ^2/NDF:48.7/36

All: -75.659+/-667.505 χ^2/NDF: 75.4/71

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: 5367.611+/-0.997 χ^2/NDF:746681.1/18

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

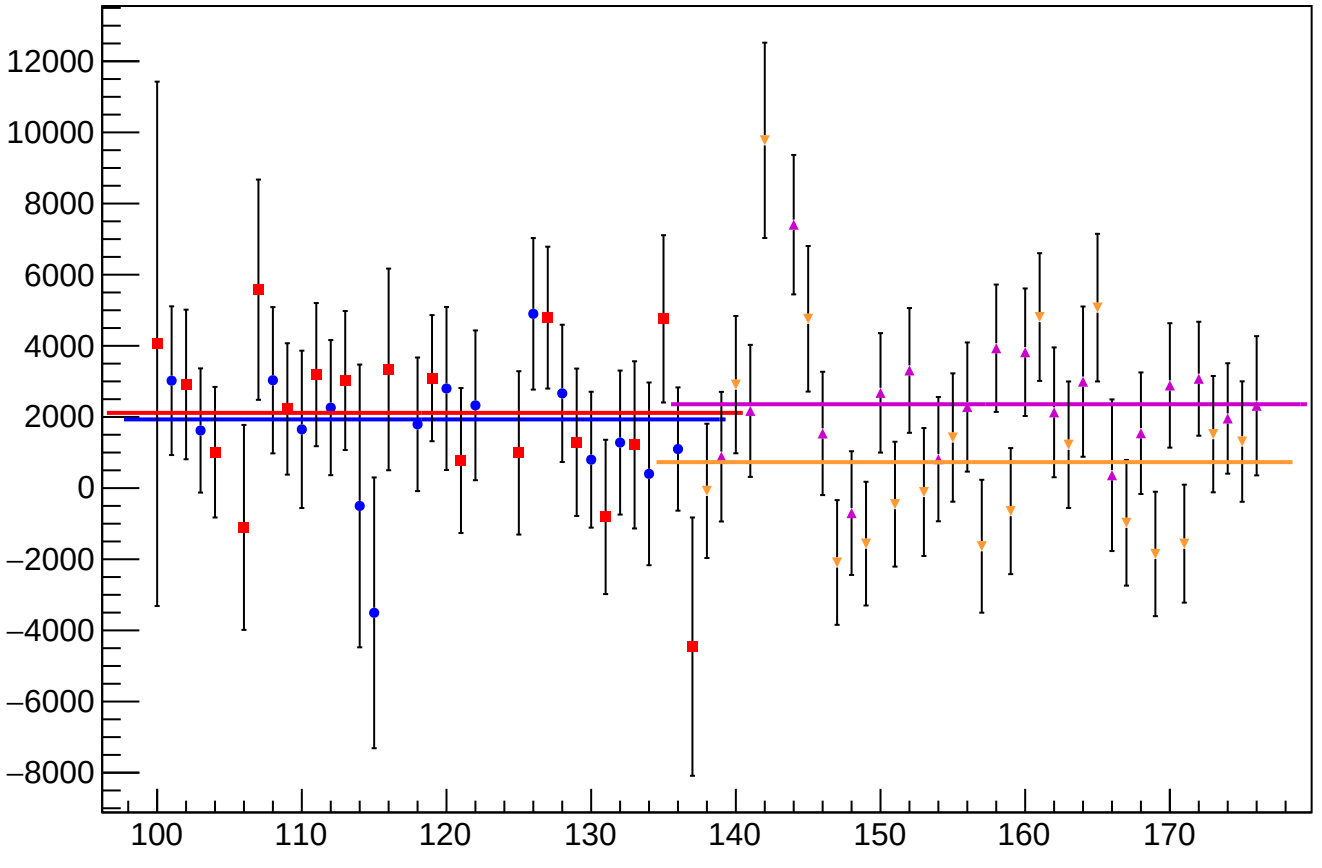
Left: 5372.419+/-0.700 χ^2/NDF: 1749148.9/37

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4306.524+/-0.670 χ^2/NDF:3967819.0/34

Out: 4232.480+/-0.665 χ^2/NDF:3622803.4/36

All: 4269.198+/-0.472 χ^2/NDF: 7596774.3/71



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.229+/-418.270 χ^2/NDF:38.5/18

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2358.162+/-410.695 χ^2/NDF:14.7/18

Left: 1559.070+/-293.047 χ^2/NDF: 61.0/37

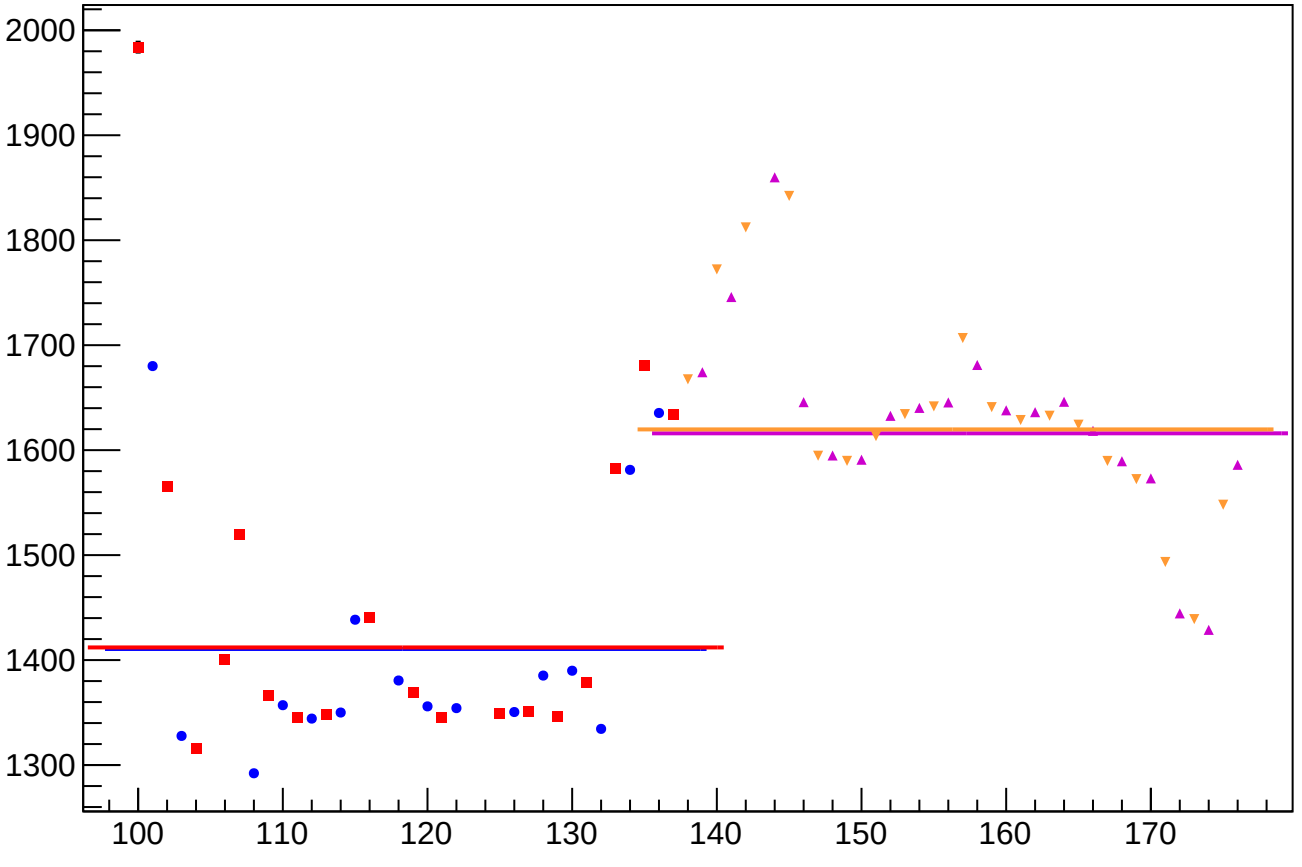
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2197.015+/-323.974 χ^2/NDF:21.5/34

Out: 1263.245+/-328.053 χ^2/NDF:56.0/36

All: 1735.971+/-230.513 χ^2/NDF: 81.6/71

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.758+/-0.296 χ^2/NDF:95146.3/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1616.029+/-0.290 χ^2/NDF:102990.0/18

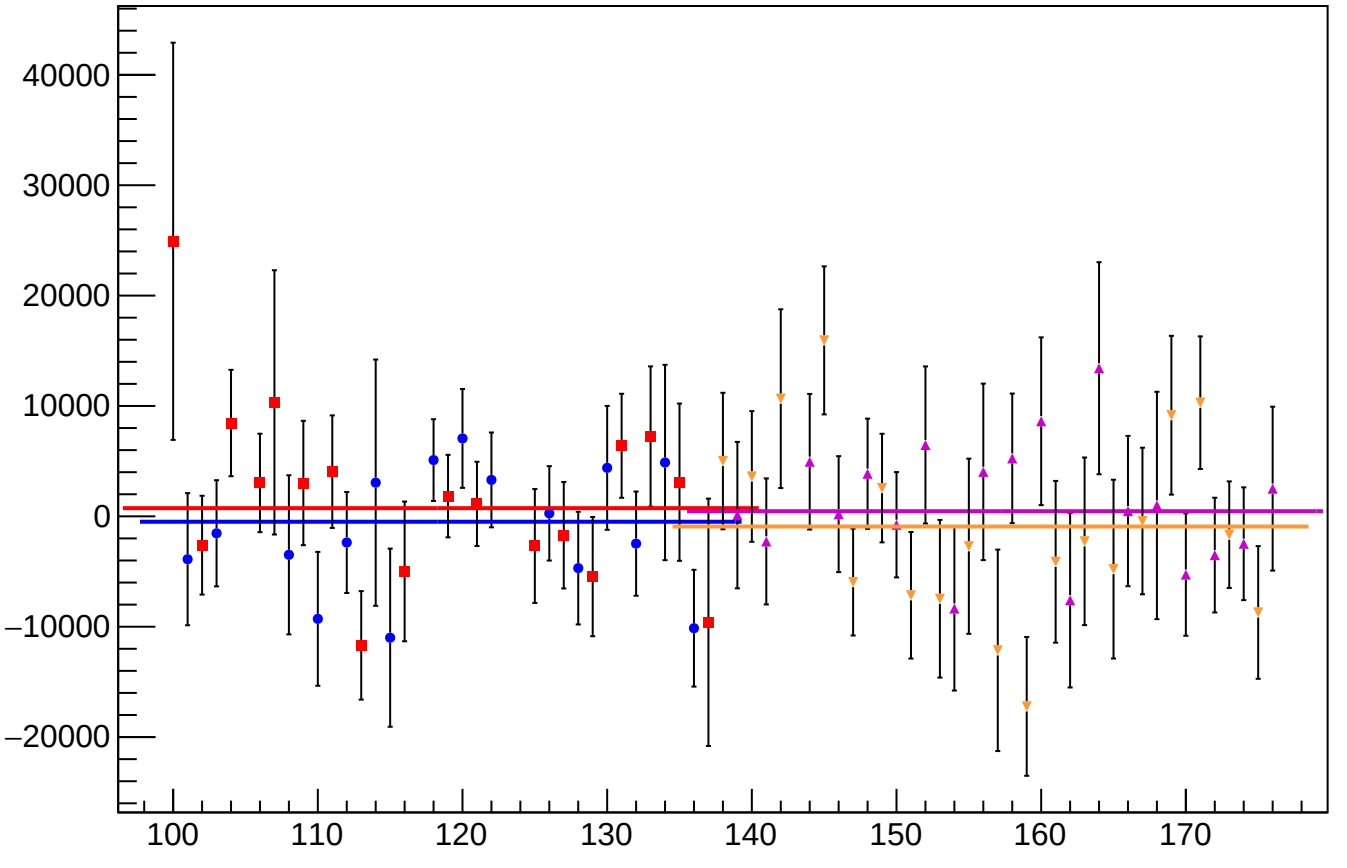
Left: 1617.860+/-0.207 χ^2/NDF: 198217.2/37

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1538.432+/-0.229 χ^2/NDF:391162.1/34

Out: 1539.556+/-0.232 χ^2/NDF:375291.5/36

All: 1538.988+/-0.163 χ^2/NDF: 766465.5/71



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -921.314+/-1457.315 χ^2/NDF:29.4/18

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 466.082+/-1437.723 χ^2/NDF:10.4/18

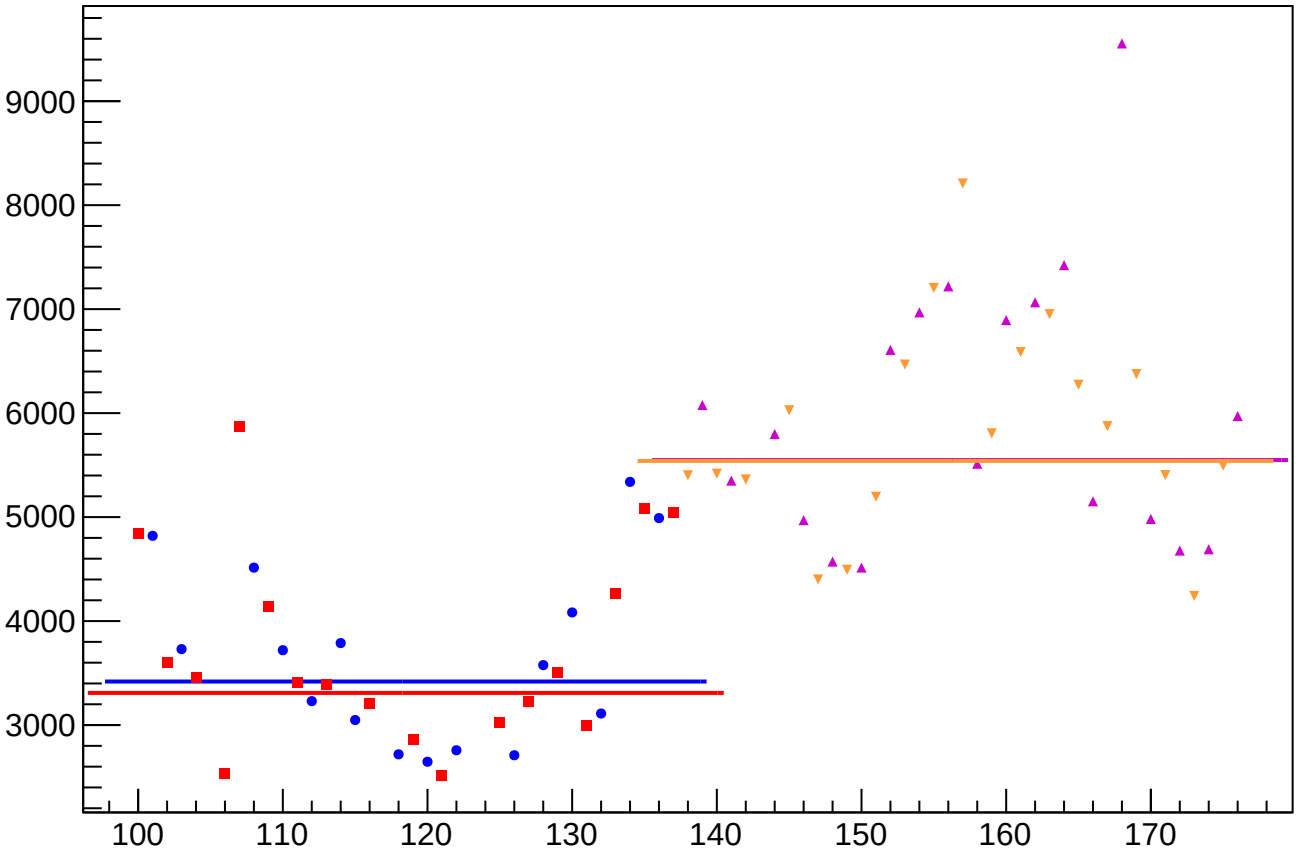
Left: -218.227+/-1023.480 χ^2/NDF: 40.2/37

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -56.451+/-967.793 χ^2/NDF:26.4/34

Out: 37.492+/-947.891 χ^2/NDF:49.3/36

All: -8.504+/-677.187 χ^2/NDF: 75.7/71



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5540.438+/-1.030 χ^2/NDF:822422.9/18

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5548.756+/-1.017 χ^2/NDF:1079546.5/18

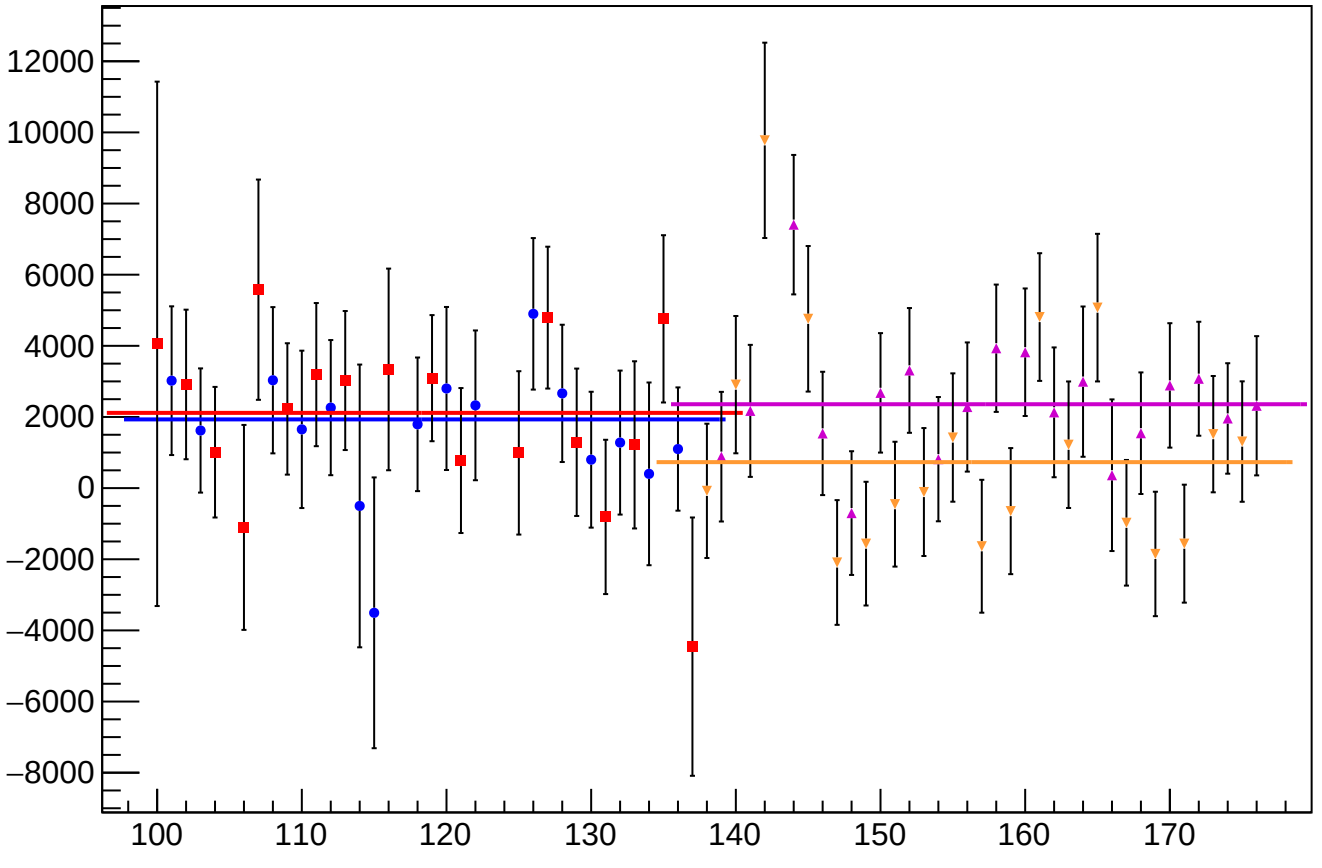
Left: 5544.653+/-0.724 χ^2/NDF: 1902002.5/37

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4383.876+/-0.684 χ^2/NDF:4201541.2/34

Out: 4253.115+/-0.670 χ^2/NDF:4099403.9/36

All: 4317.137+/-0.479 χ^2/NDF: 8319579.6/71



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 730.224+/-418.270 χ^2/NDF:38.5/18

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2358.164+/-410.695 χ^2/NDF:14.7/18

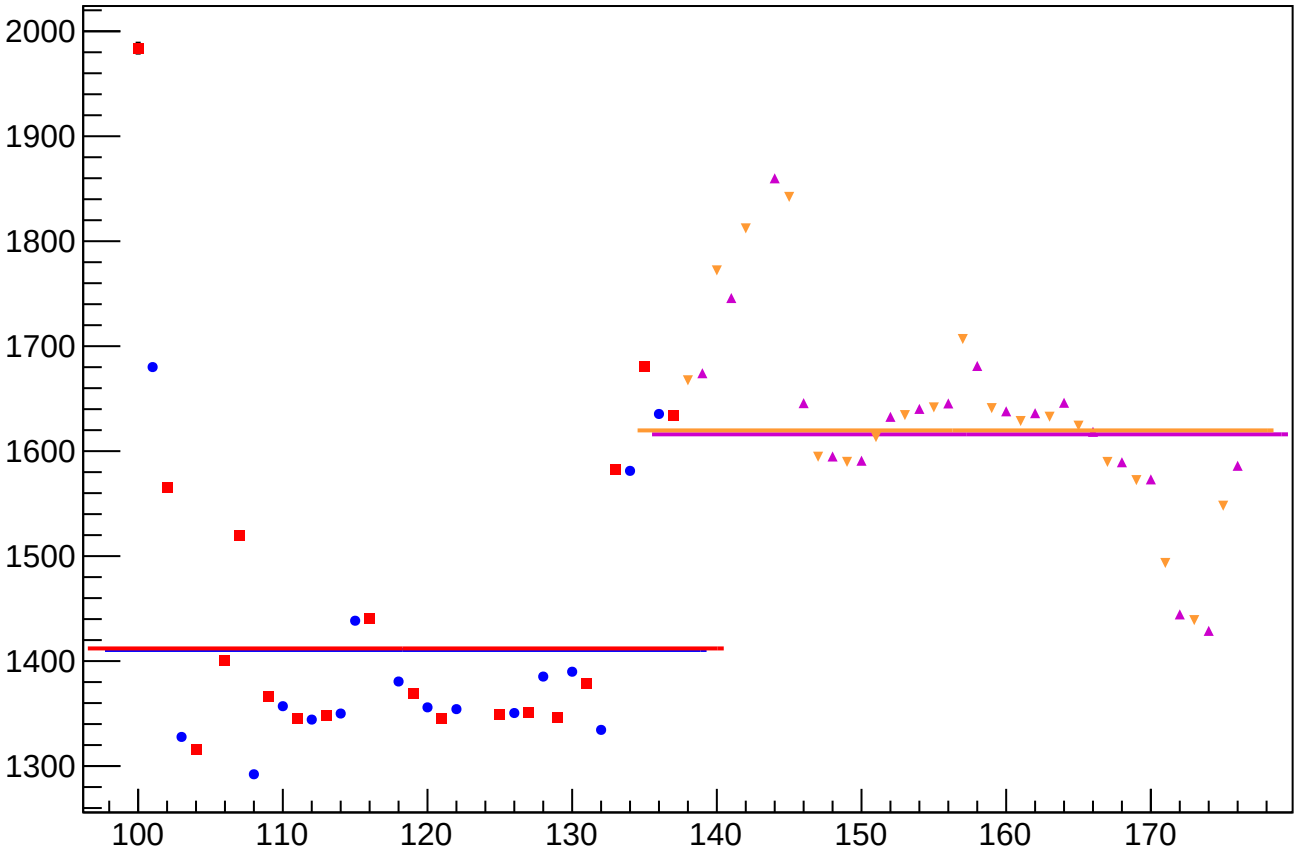
Left: 1559.068+/-293.047 χ^2/NDF: 61.0/37

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2197.016+/-323.974 χ^2/NDF:21.5/34

Out: 1263.242+/-328.053 χ^2/NDF:56.0/36

All: 1735.970+/-230.513 χ^2/NDF: 81.6/71



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1619.759+/-0.296 χ^2/NDF:95149.8/18

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1616.030+/-0.290 χ^2/NDF:102993.3/18

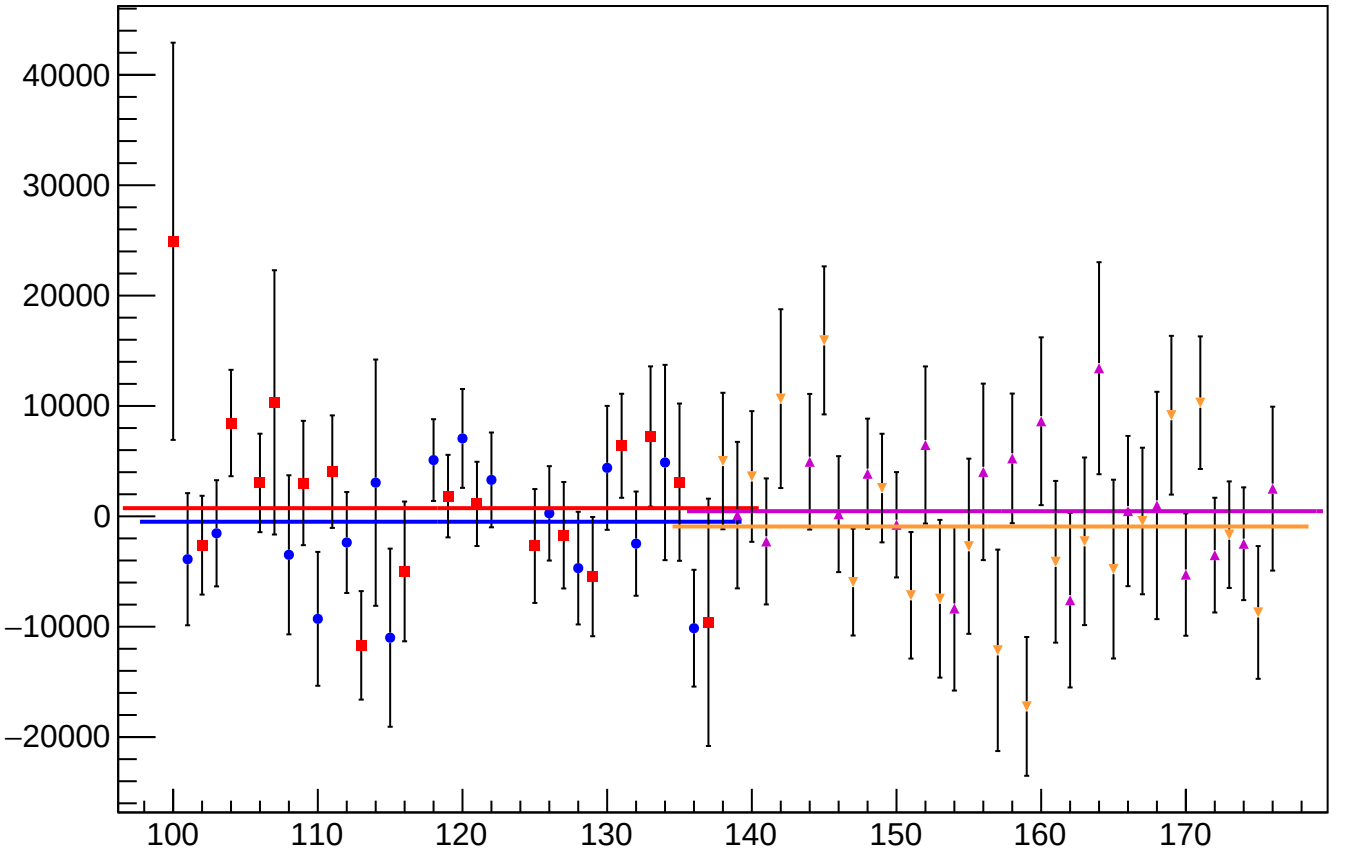
Left: 1617.860+/-0.207 χ^2/NDF: 198224.0/37

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1538.432+/-0.229 χ^2/NDF:391166.4/34

Out: 1539.556+/-0.232 χ^2/NDF:375296.2/36

All: 1538.988+/-0.163 χ^2/NDF: 766474.5/71



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -921.322+/-1457.317 χ^2/NDF:29.4/18

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 466.083+/-1437.725 χ^2/NDF:10.4/18

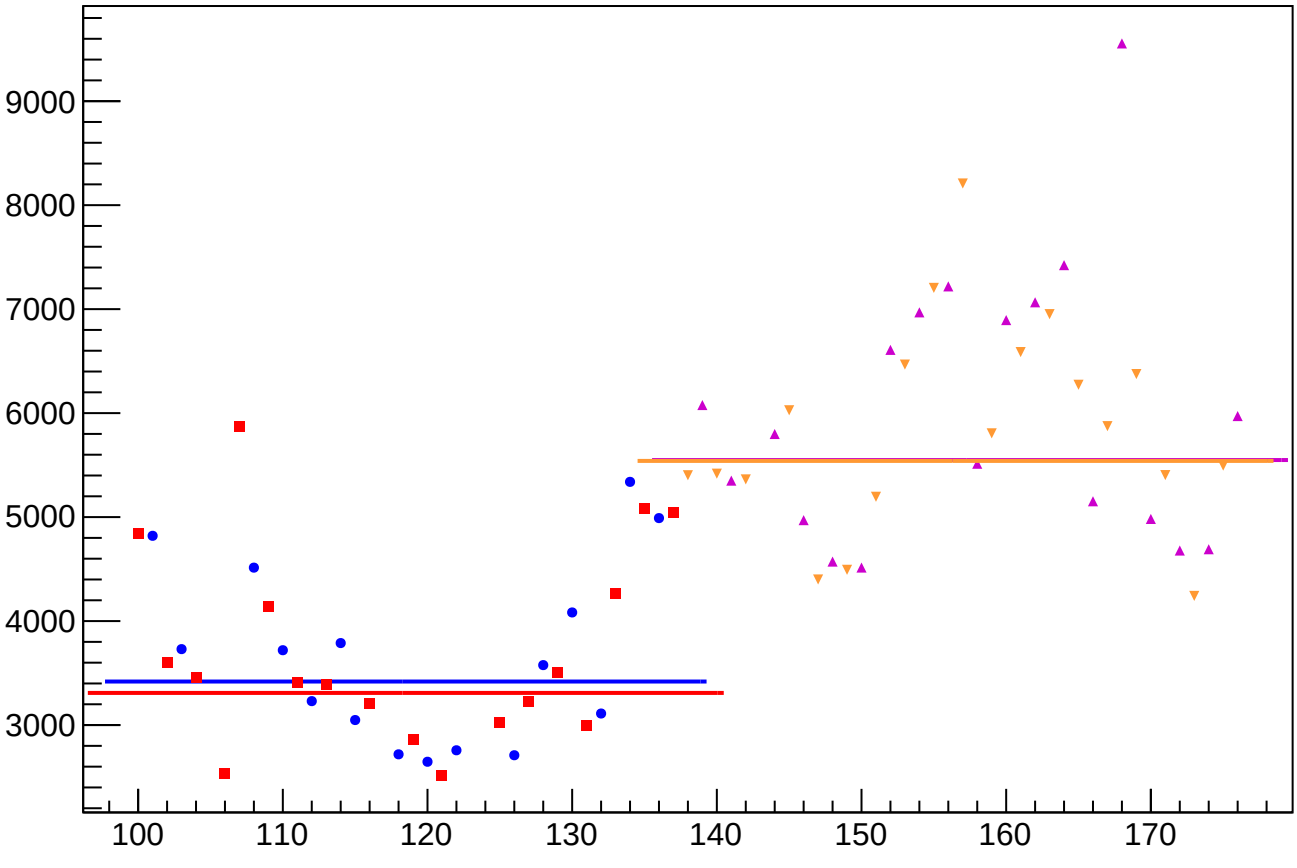
Left: -218.231+/-1023.481 χ^2/NDF: 40.2/37

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -56.449+/-967.792 χ^2/NDF:26.4/34

Out: 37.494+/-947.890 χ^2/NDF:49.3/36

All: -8.502+/-677.186 χ^2/NDF: 75.7/71



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5540.447+/-1.030 χ^2/NDF:822423.0/18

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5548.765+/-1.017 χ^2/NDF:1079547.1/18

Left: 5544.662+/-0.724 χ^2/NDF: 1902003.2/37

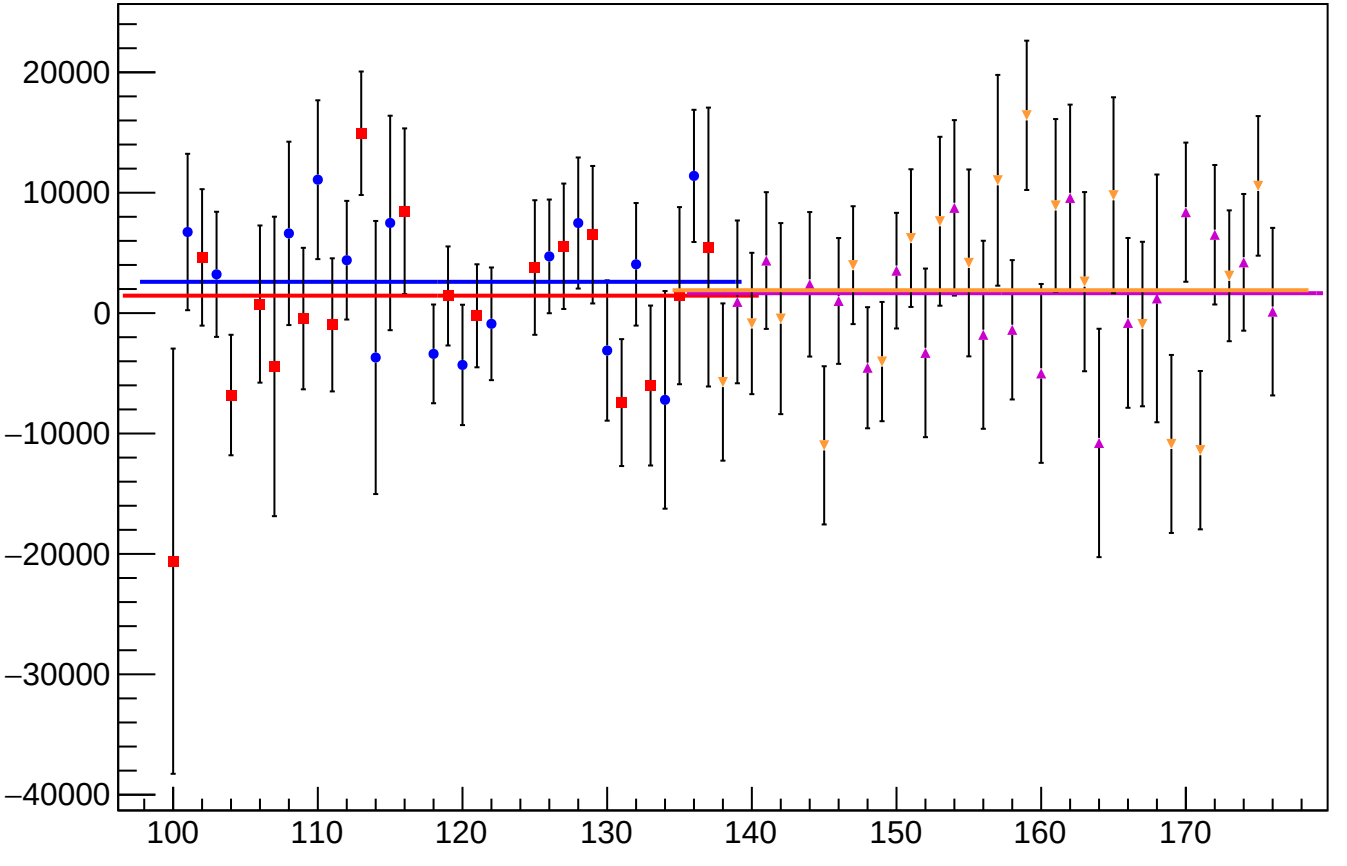
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4383.868+/-0.684 χ^2/NDF:4201597.0/34

Out: 4253.108+/-0.670 χ^2/NDF:4099455.5/36

All: 4317.130+/-0.479 χ^2/NDF: 8319686.9/71

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1901.128+/-1475.055 χ^2/NDF:26.5/18

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1654.661+/-1454.684 χ^2/NDF:9.9/18

Left: 1776.181+/-1035.744 χ^2/NDF: 36.3/37

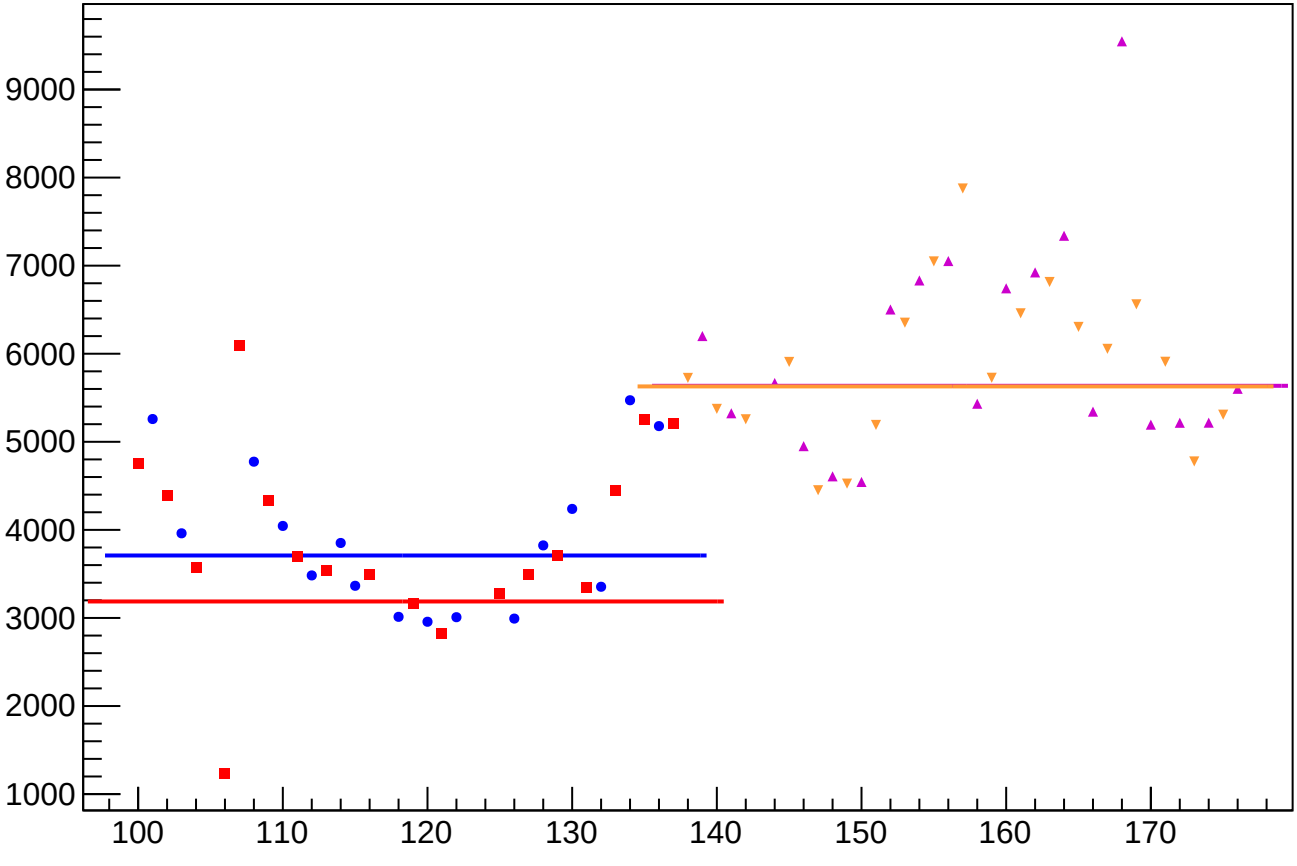
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2140.374+/-1014.111 χ^2/NDF:23.6/34

Out: 1661.242+/-1008.833 χ^2/NDF:45.6/36

All: 1899.558+/-715.211 χ^2/NDF: 69.2/71

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5628.813+/-1.043 χ^2/NDF:649437.7/18

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5635.790+/-1.029 χ^2/NDF:883886.3/18

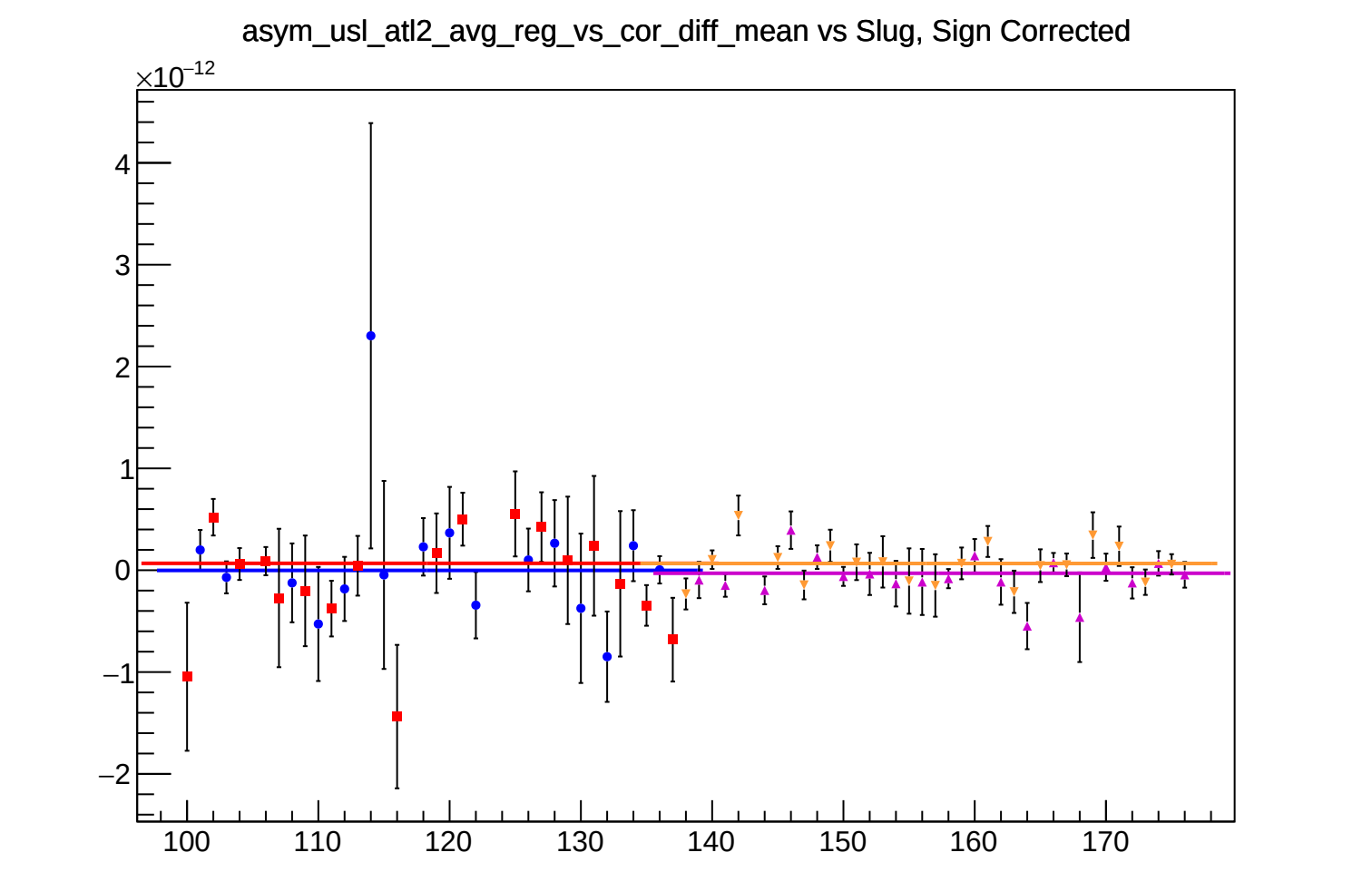
Left: 5632.350+/-0.732 χ^2/NDF: 1533346.7/37

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4645.491+/-0.717 χ^2/NDF:3297784.7/34

Out: 4223.353+/-0.679 χ^2/NDF:5414609.4/36

All: 4423.060+/-0.493 χ^2/NDF: 8894998.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/18

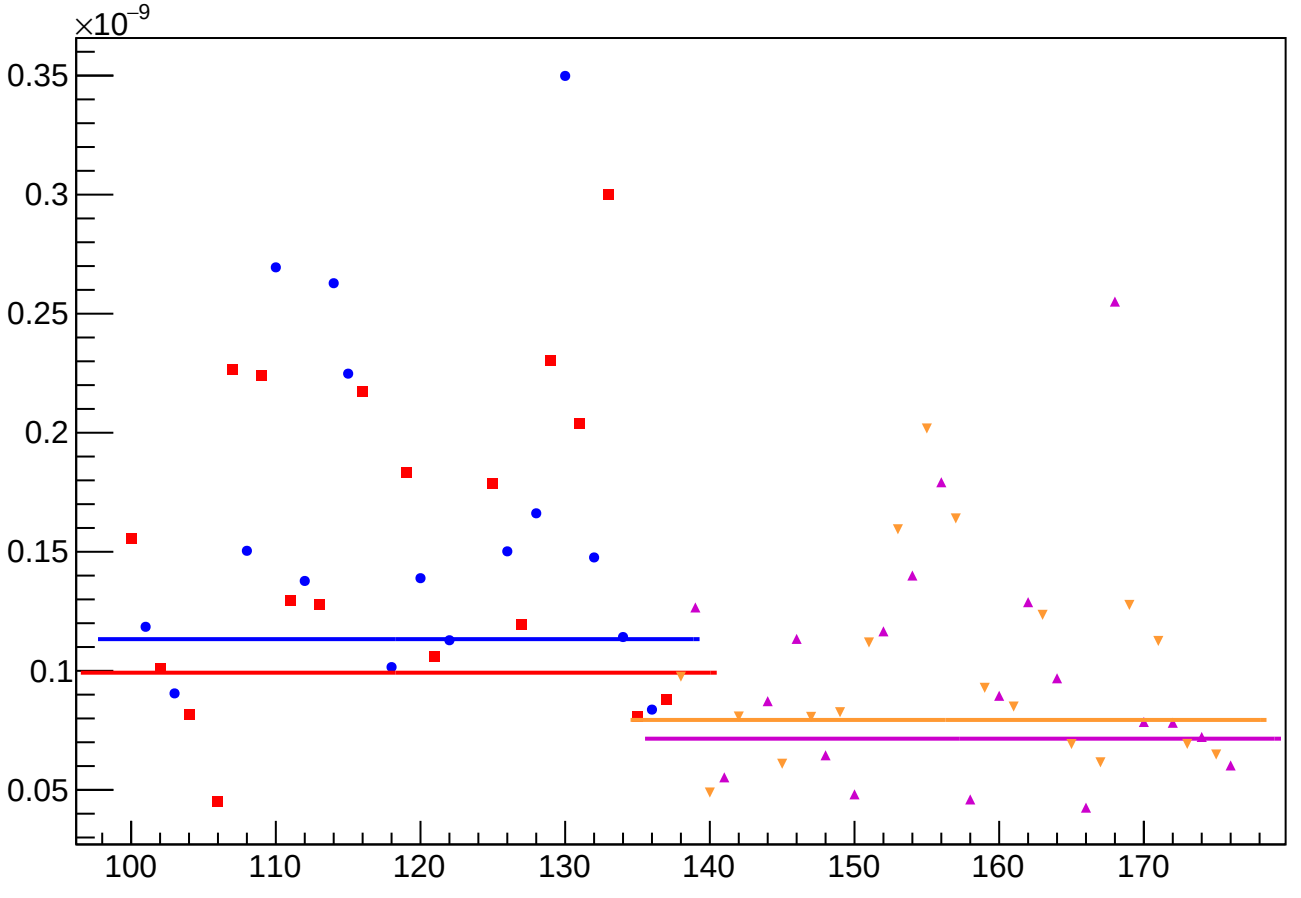
Left: 0.000+/-0.000 χ^2/NDF: 47.4/37

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:31.7/34

Out: 0.000+/-0.000 χ^2/NDF:52.2/36

All: 0.000+/-0.000 χ^2/NDF: 88.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397400.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1884921.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3339108.1/37

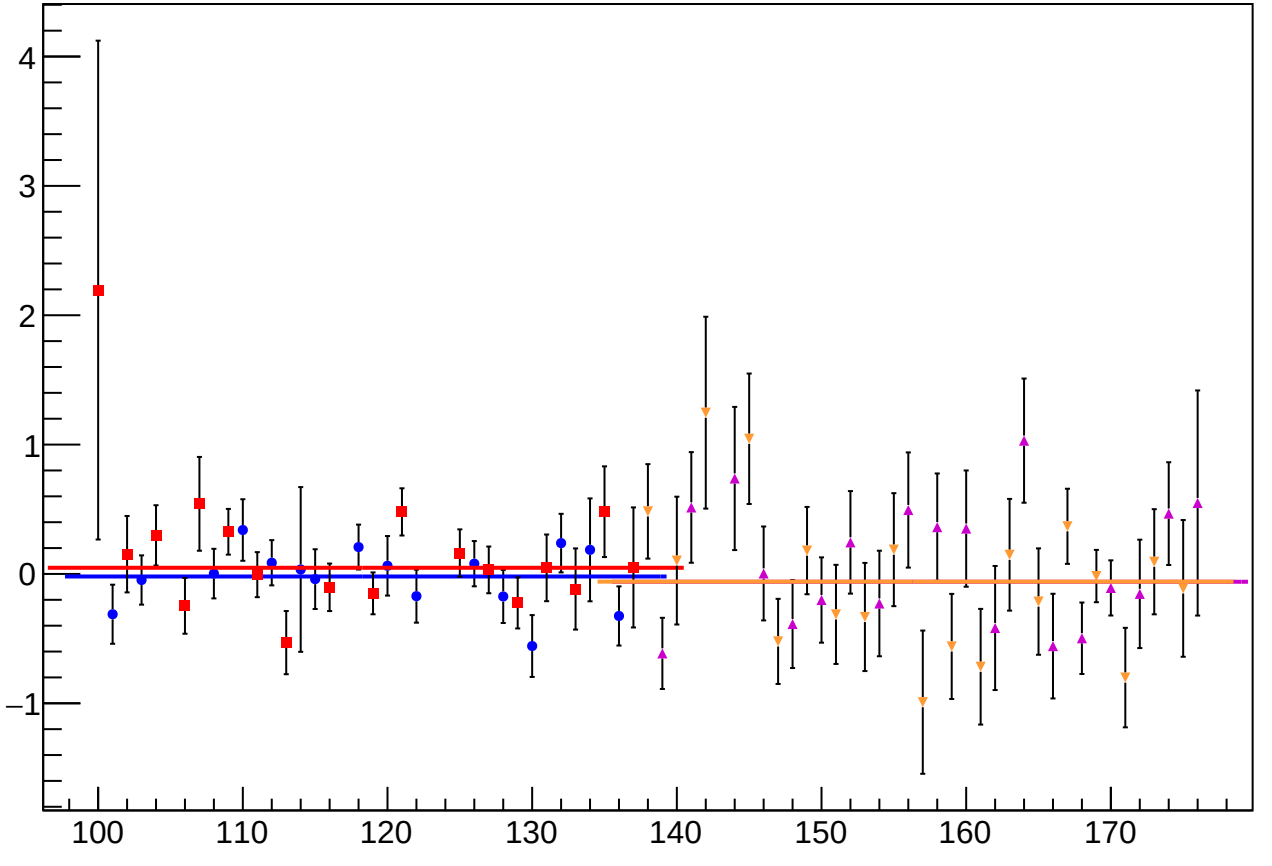
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3124187.8/34

Out: 0.000+/-0.000 χ^2/NDF:2642283.9/36

All: 0.000+/-0.000 χ^2/NDF: 5793342.6/71

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: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

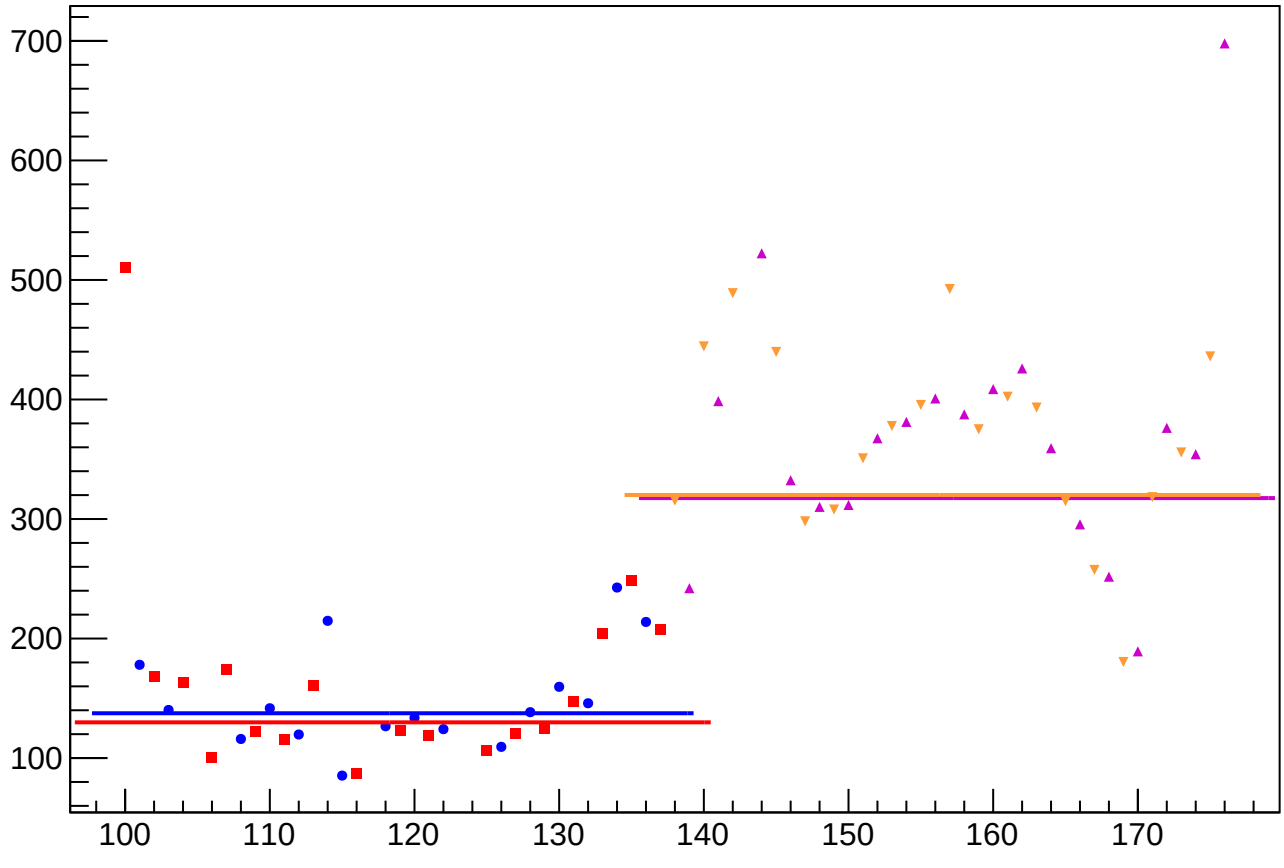
Left: -0.060+/-0.061 χ^2/NDF: 52.2/37

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.006+/-0.032 χ^2/NDF: 96.4/71



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

Left: 318.779+/-0.043 χ^2/NDF: 4170673.6/37

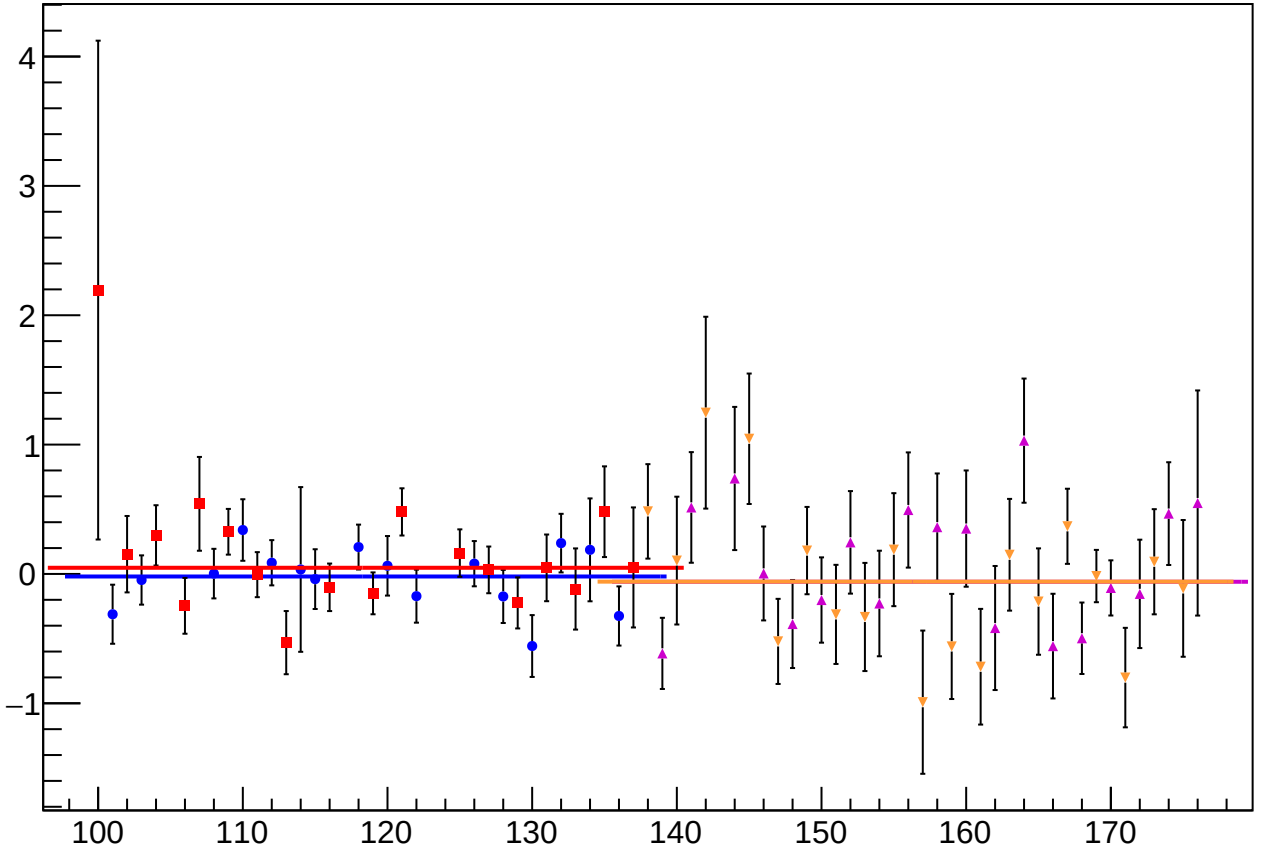
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 189.640+/-0.032 χ^2/NDF:9272389.6/34

Out: 180.463+/-0.032 χ^2/NDF:9796957.9/36

All: 184.980+/-0.023 χ^2/NDF: 19110329.5/71

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

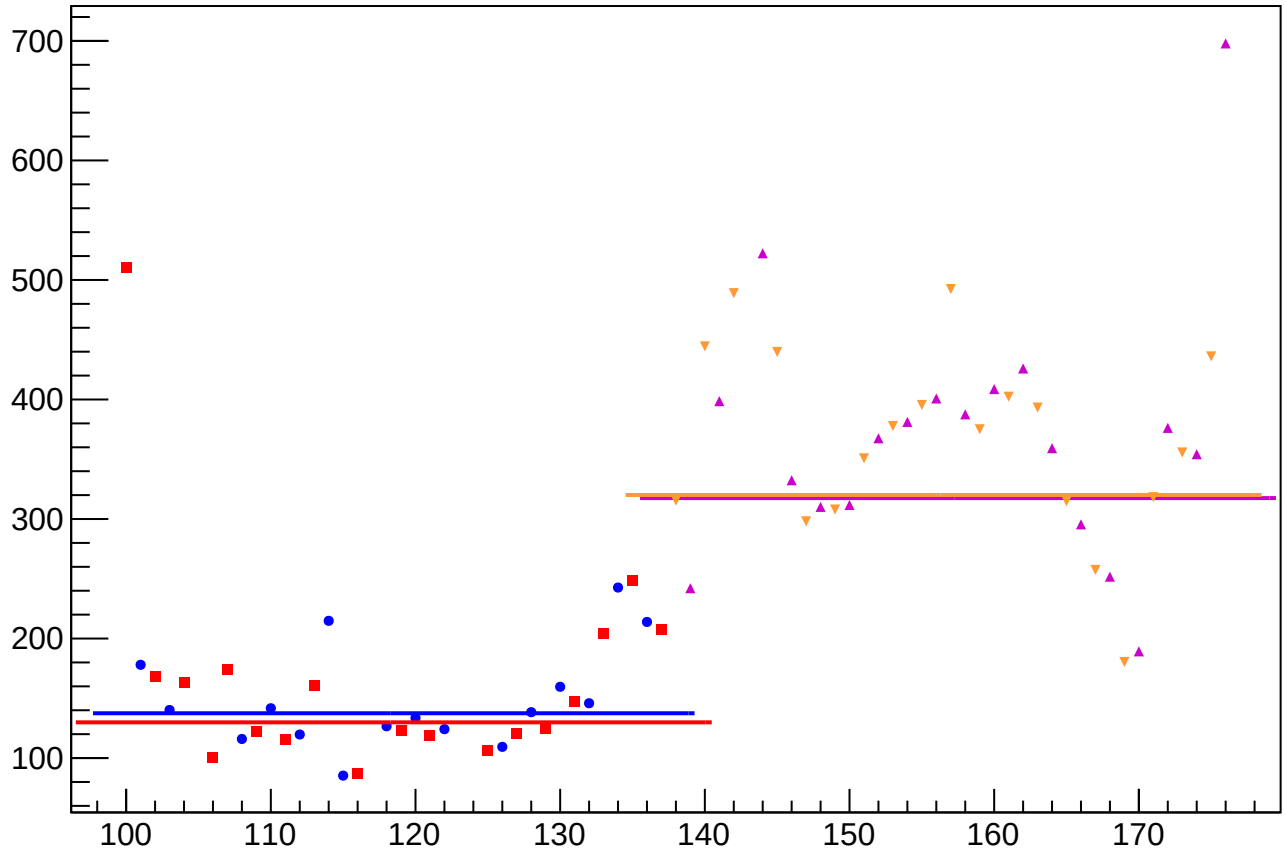
Left: -0.060+/-0.061 χ^2/NDF: 52.2/37

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.006+/-0.032 χ^2/NDF: 96.4/71



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 320.115+/-0.062 χ^2/NDF:1980312.9/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

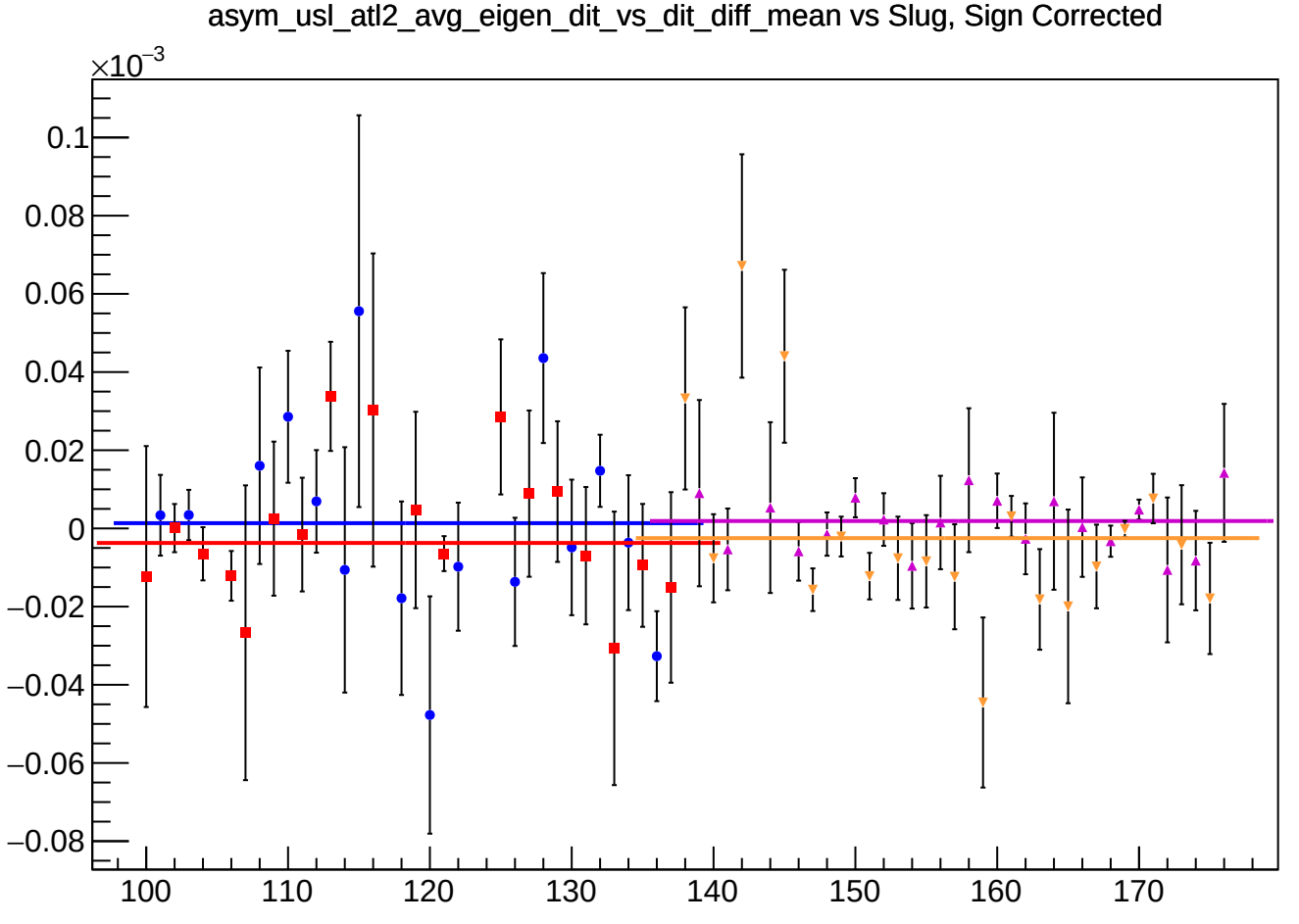
Left: 318.779+/-0.043 χ^2/NDF: 4170673.6/37

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 189.640+/-0.032 χ^2/NDF:9272389.6/34

Out: 180.463+/-0.032 χ^2/NDF:9796957.9/36

All: 184.980+/-0.023 χ^2/NDF: 19110329.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/18

Left: -0.000+/-0.000 χ^2/NDF: 49.3/37

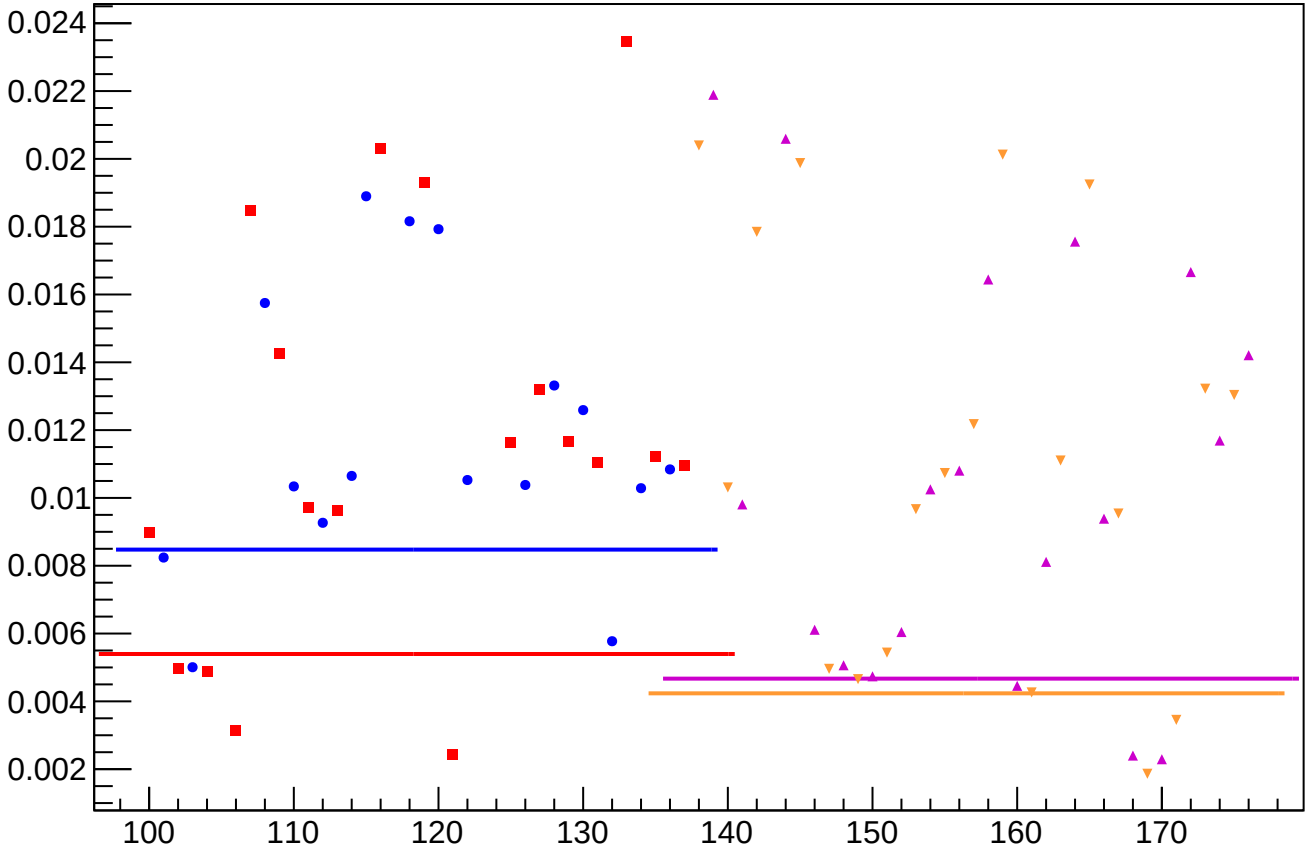
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:34.3/34

Out: -0.000+/-0.000 χ^2/NDF:50.8/36

All: -0.000+/-0.000 χ^2/NDF: 90.8/71

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:11903123.9/18

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:10255540.5/18

Left: 0.004+/-0.000 χ^2/NDF: 22240131.4/37

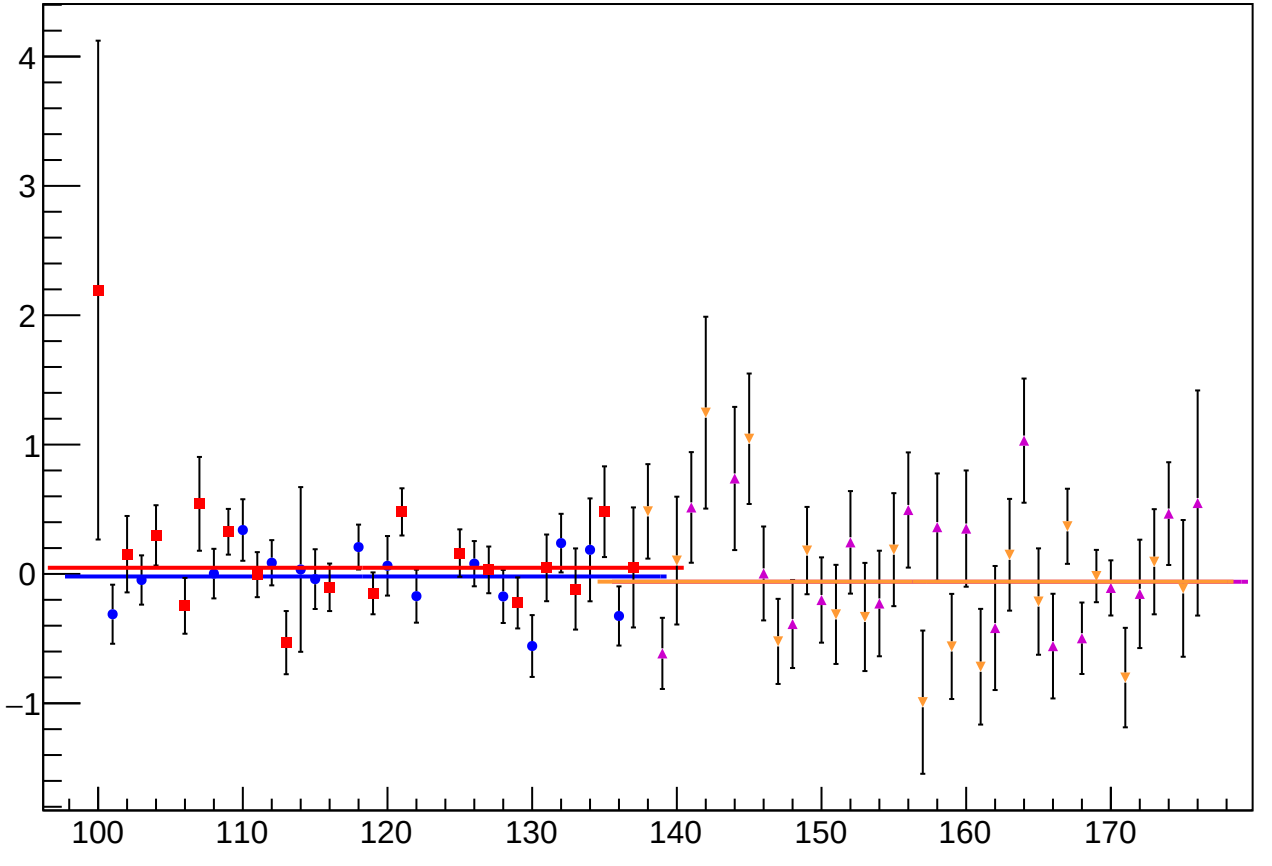
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:14205881.7/34

Out: 0.005+/-0.000 χ^2/NDF:17125940.7/36

All: 0.005+/-0.000 χ^2/NDF: 31665715.8/71

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: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

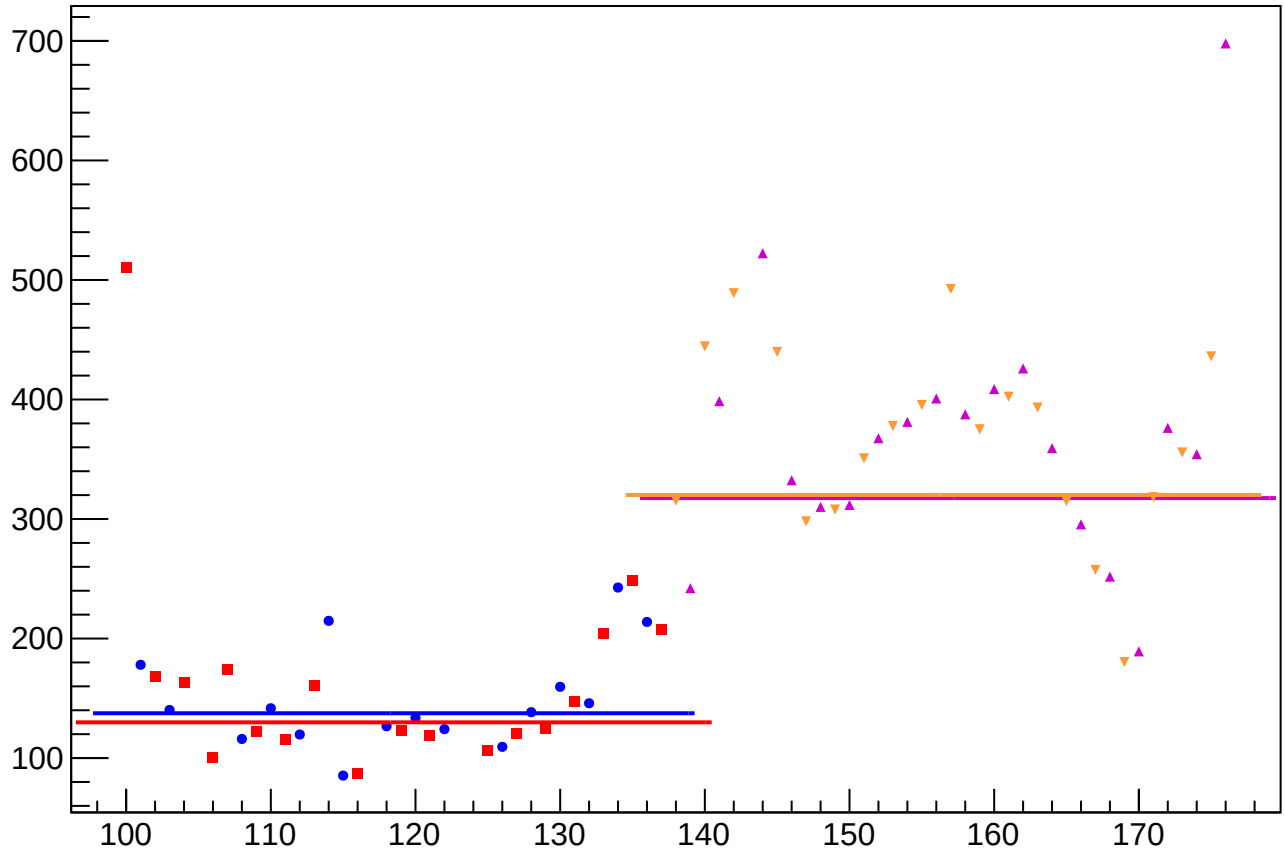
Left: -0.060+/-0.061 χ^2/NDF: 52.2/37

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.006+/-0.032 χ^2/NDF: 96.4/71



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 320.117+/-0.062 χ^2/NDF:1980364.8/18

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

Left: 318.782+/-0.043 χ^2/NDF: 4170720.7/37

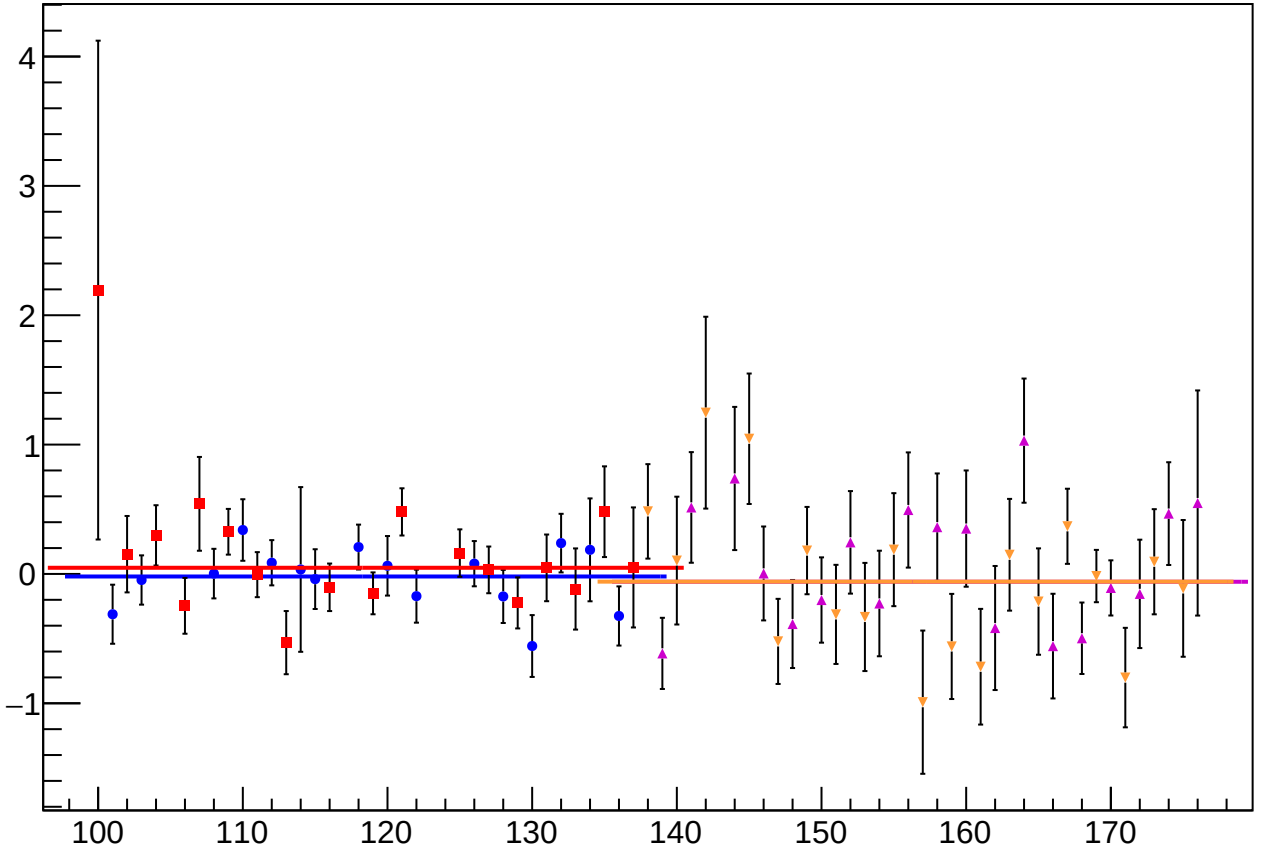
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 189.640+/-0.032 χ^2/NDF:9272493.5/34

Out: 180.463+/-0.032 χ^2/NDF:9797037.3/36

All: 184.980+/-0.023 χ^2/NDF: 19110513.3/71

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: -0.059+/-0.087 χ^2/NDF:26.9/18

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

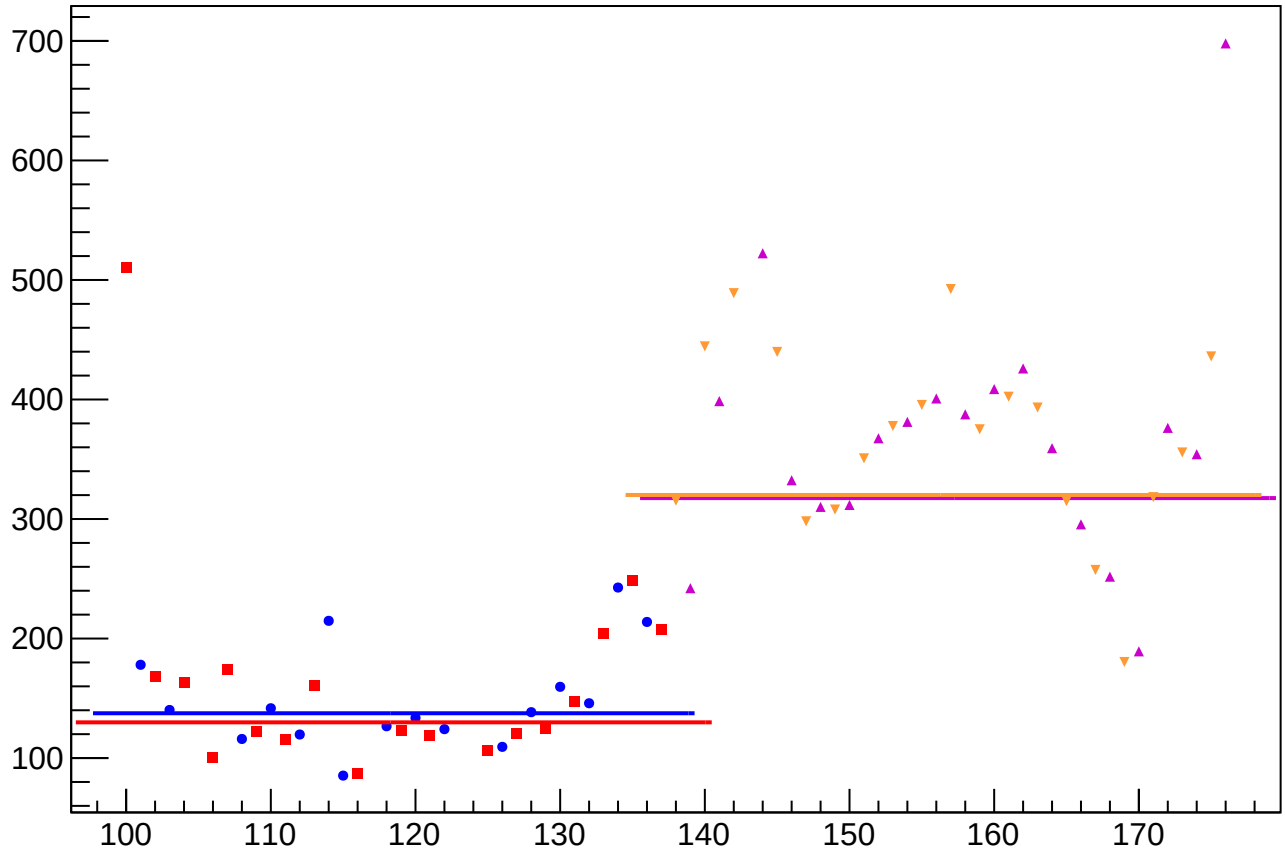
Left: -0.060+/-0.061 χ^2/NDF: 52.2/37

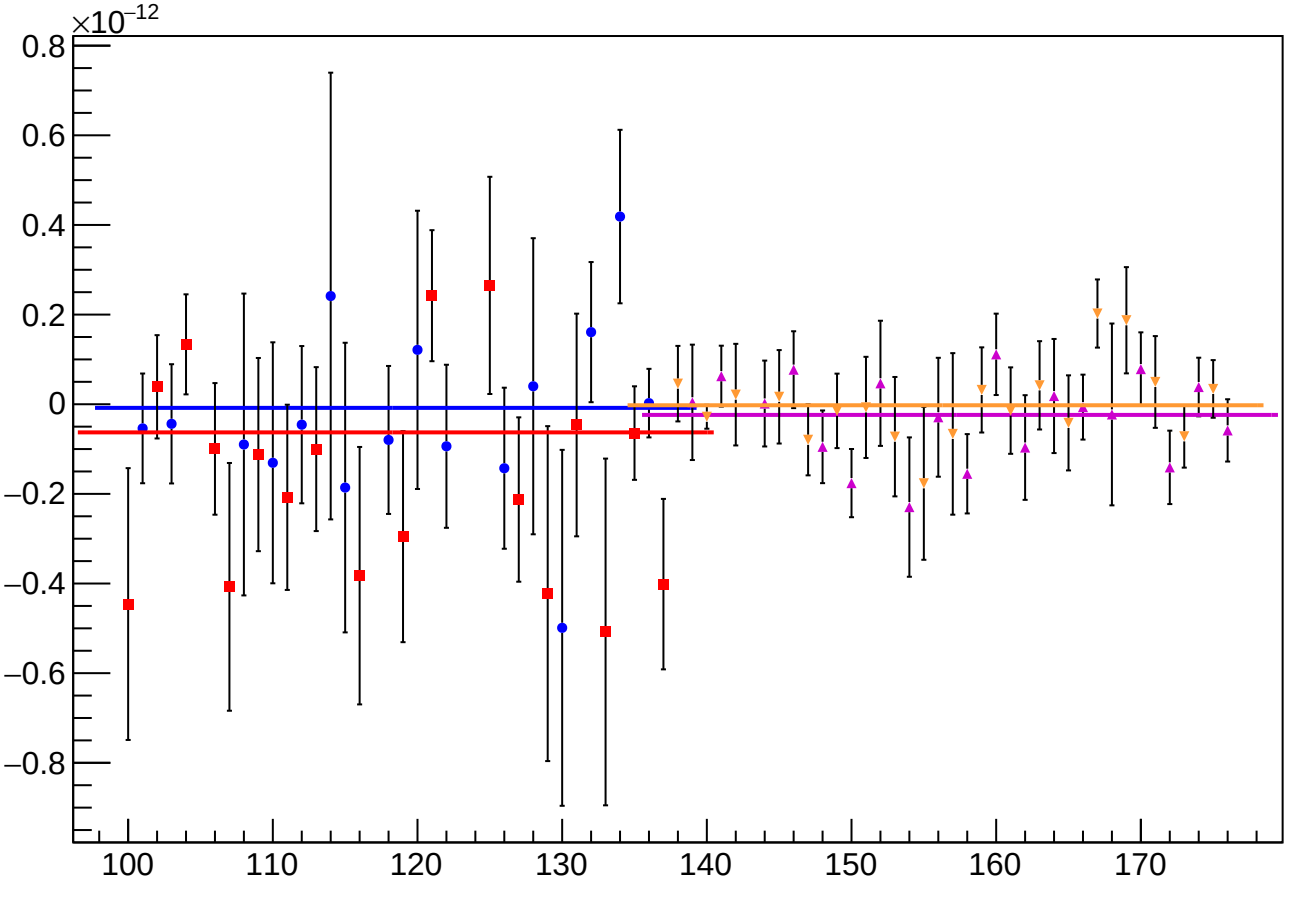
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.019+/-0.045 χ^2/NDF:54.3/36

All: -0.006+/-0.032 χ^2/NDF: 96.4/71


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 320.117+/-0.062 χ²/NDF:1980364.8/18
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 317.518+/-0.060 χ²/NDF:2189444.1/18
Left: 318.782+/-0.043 χ²/NDF: 4170720.7/37
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 189.640+/-0.032 χ²/NDF:9272493.5/34
Out: 180.463+/-0.032 χ²/NDF:9797037.3/36
All: 184.980+/-0.023 χ²/NDF: 19110513.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.6/18

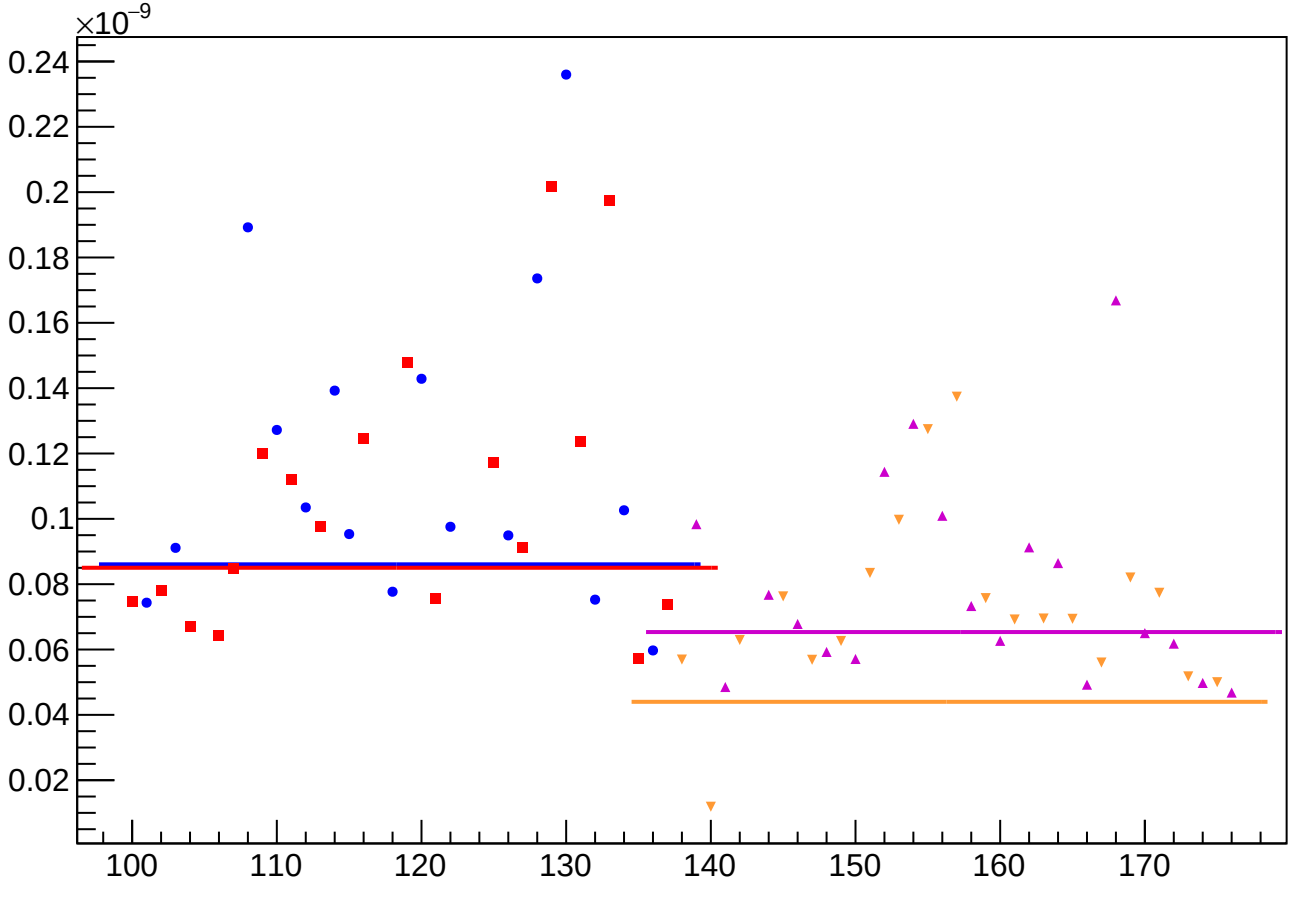
Left: -0.000+/-0.000 χ^2/NDF: 35.9/37

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:29.5/34

Out: -0.000+/-0.000 χ^2/NDF:39.6/36

All: -0.000+/-0.000 χ^2/NDF: 69.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6075533.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2076791.7/18

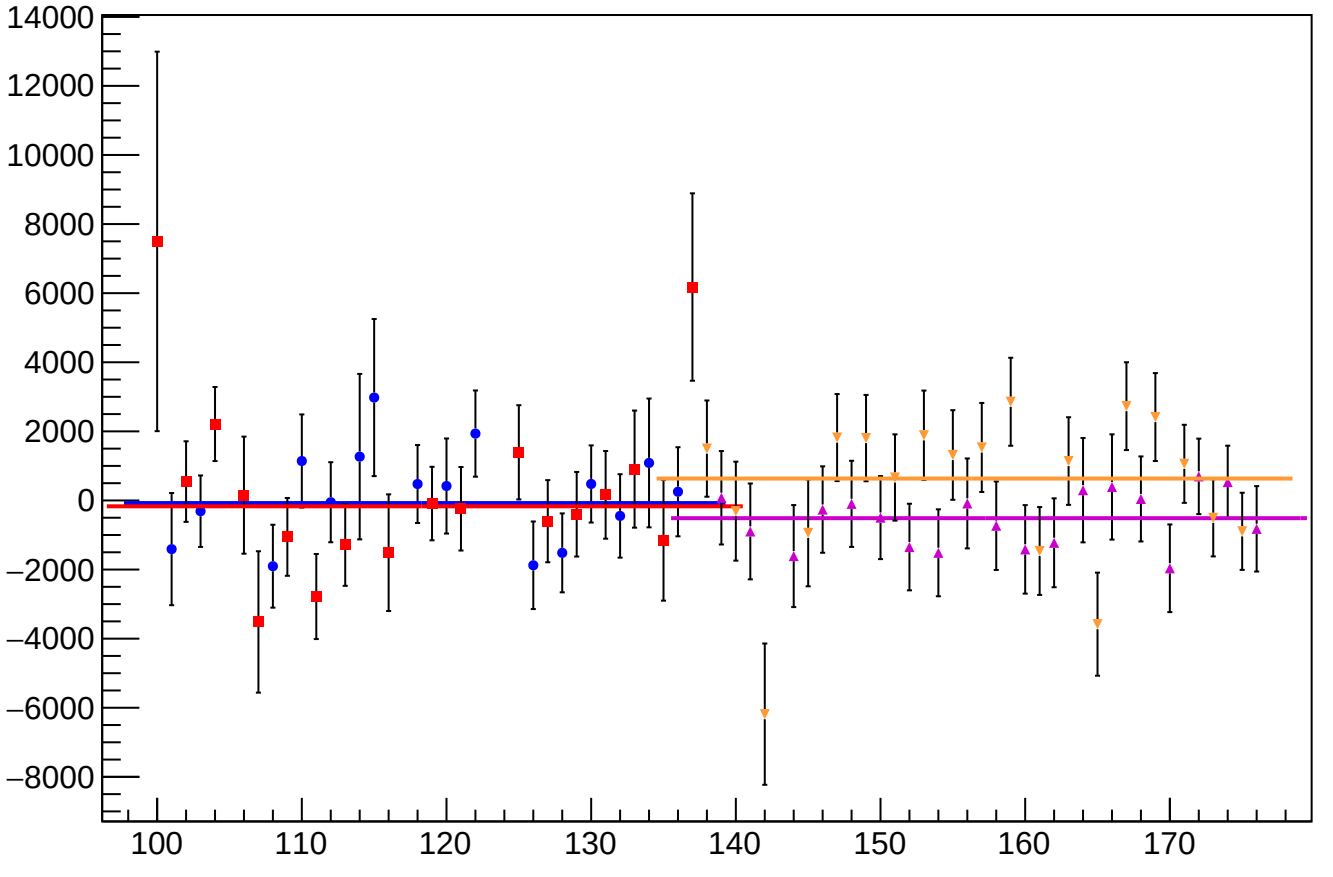
Left: 0.000+/-0.000 χ^2/NDF: 9417033.6/37

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3533738.4/34

Out: 0.000+/-0.000 χ^2/NDF:8713793.3/36

All: 0.000+/-0.000 χ^2/NDF: 13512609.2/71



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 634.032+/-297.533 χ^2/NDF:38.1/18

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -513.119+/-292.013 χ^2/NDF:7.4/18

Left: 49.716+/-208.409 χ^2/NDF: 53.1/37

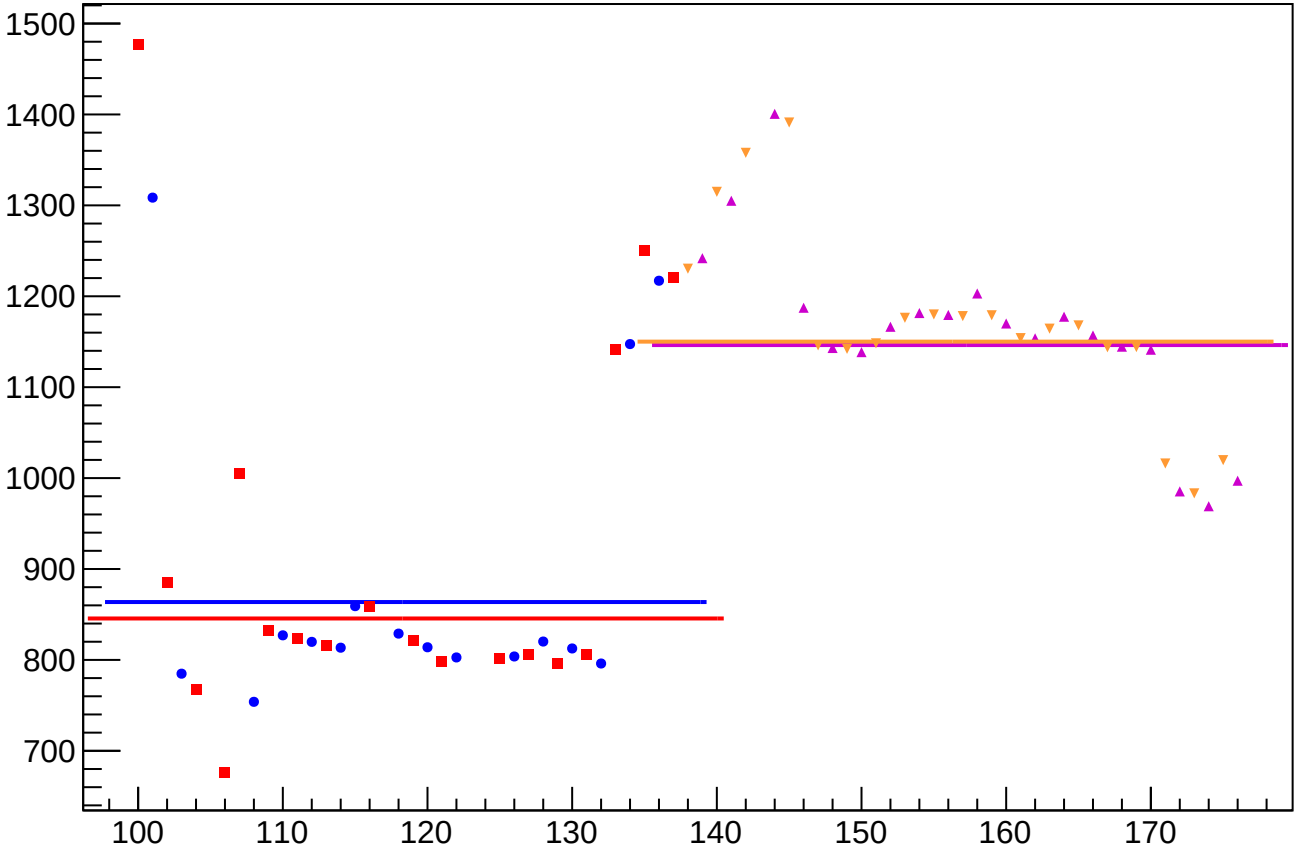
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -318.651+/-217.578 χ^2/NDF:21.8/34

Out: 263.807+/-218.472 χ^2/NDF:65.8/36

All: -28.616+/-154.166 χ^2/NDF: 91.1/71

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

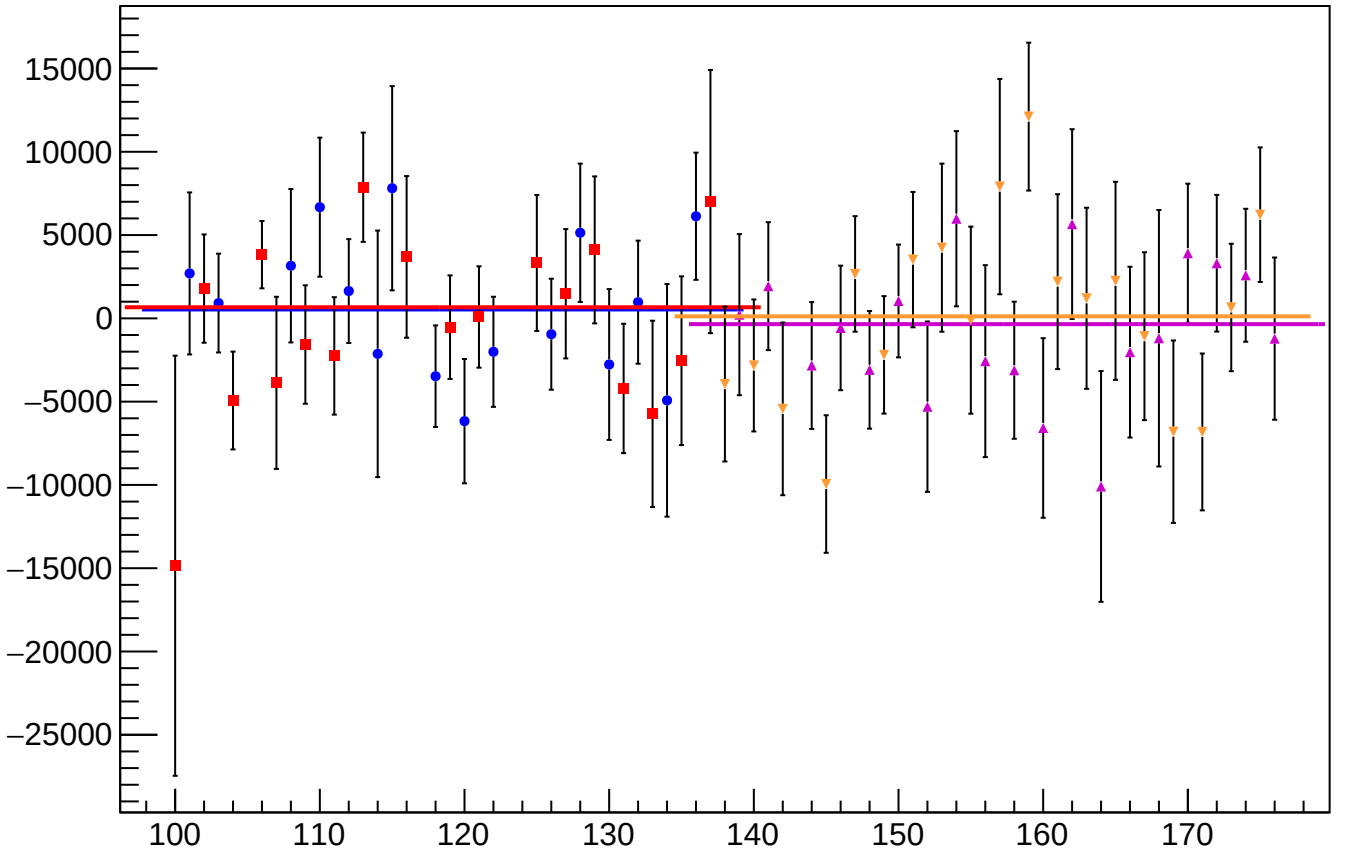
Left: 1148.186+/-0.147 χ^2/NDF: 443313.5/37

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.3/34

Out: 1007.888+/-0.154 χ^2/NDF:1493329.4/36

All: 1014.229+/-0.109 χ^2/NDF: 2973981.0/71



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 120.302+/-1041.712 χ^2/NDF:26.0/18

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -347.505+/-1028.812 χ^2/NDF:11.5/18

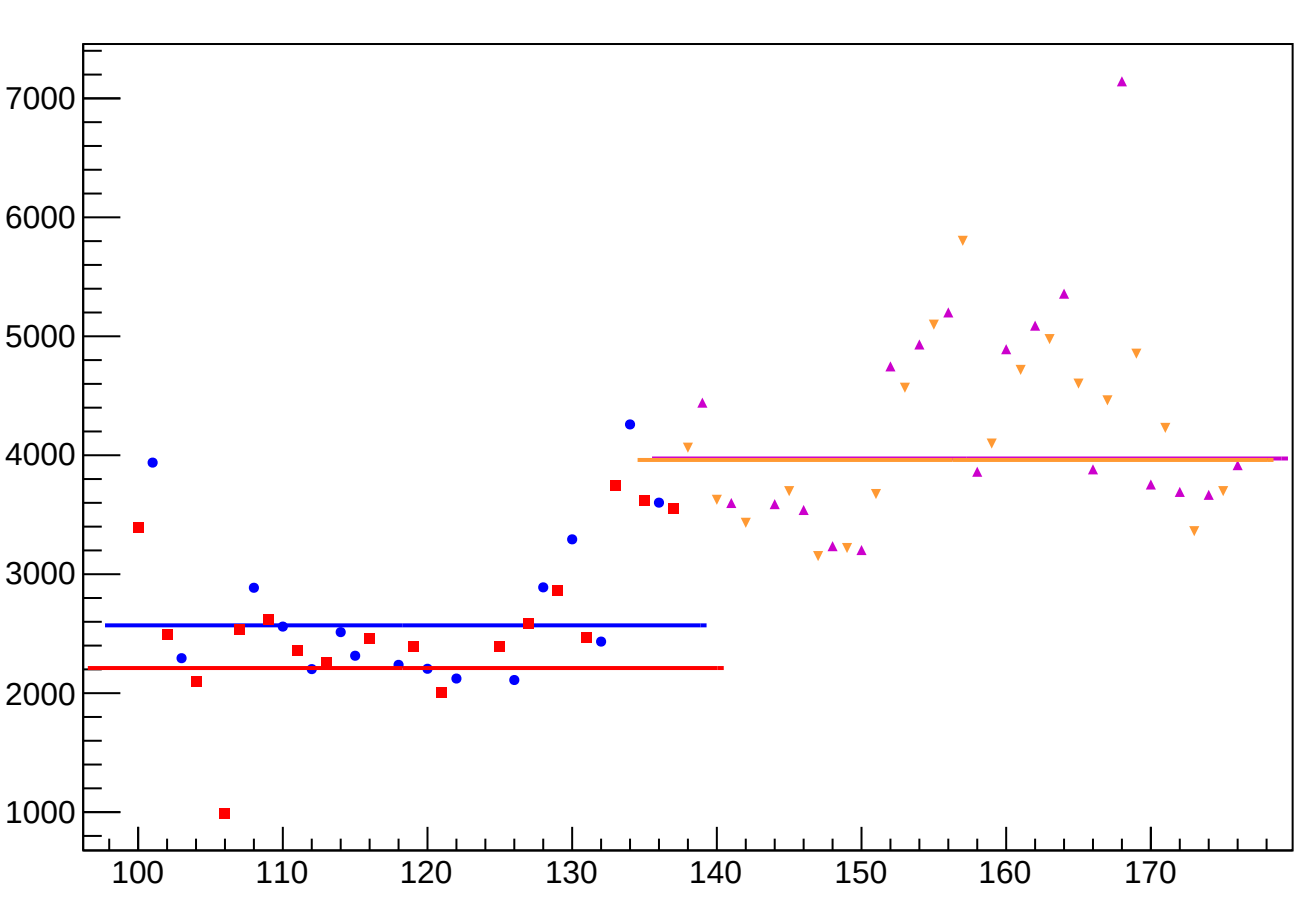
Left: -116.516+/-731.998 χ^2/NDF: 37.6/37

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 114.341+/-710.083 χ^2/NDF:26.5/34

Out: 443.232+/-665.469 χ^2/NDF:46.1/36

All: 289.443+/-485.564 χ^2/NDF: 72.7/71



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3960.492+/-0.737 χ^2/NDF:797787.6/18

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3972.703+/-0.727 χ^2/NDF:1061443.4/18

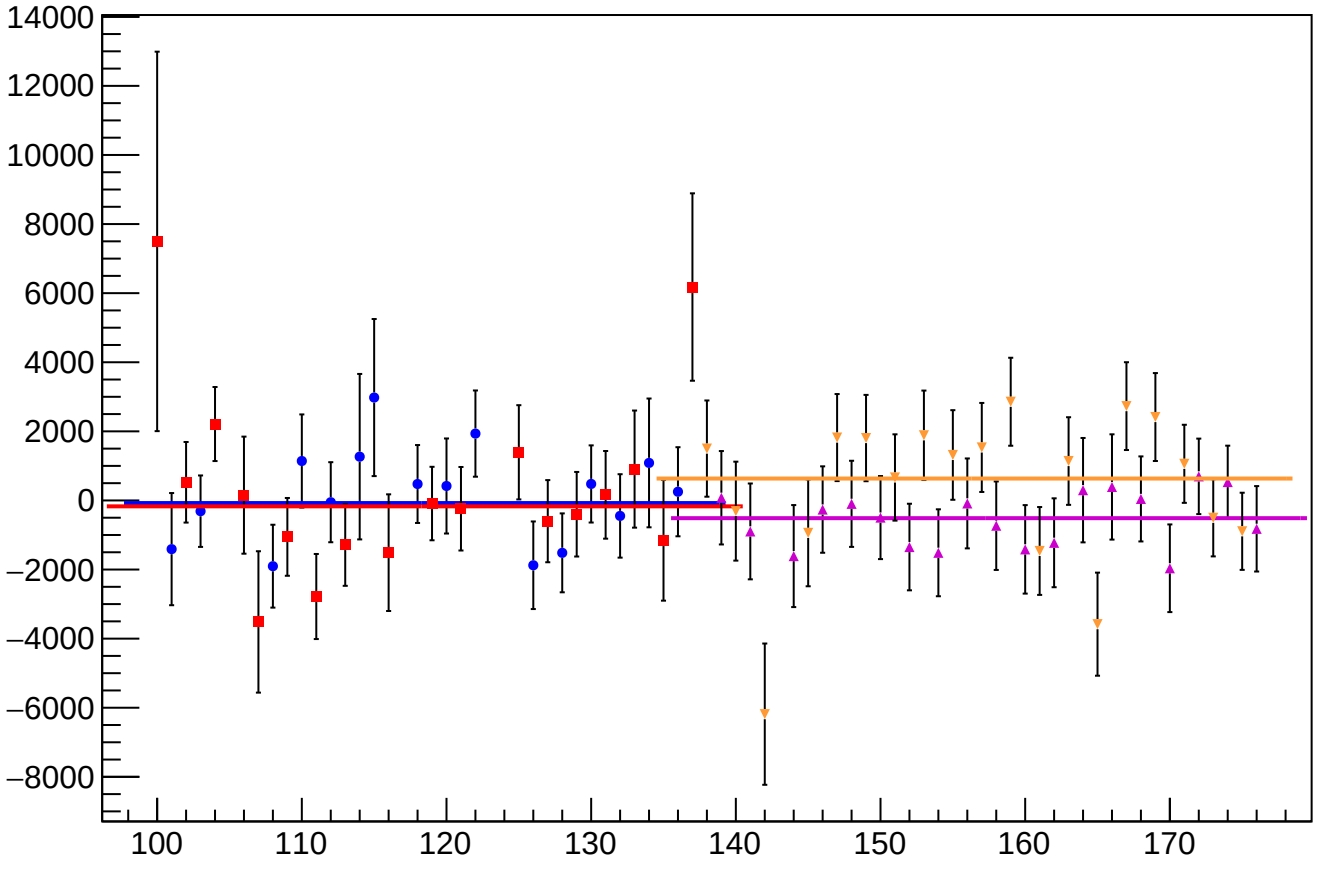
Left: 3966.674+/-0.518 χ^2/NDF: 1859370.1/37

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3238.279+/-0.502 χ^2/NDF:3670307.3/34

Out: 2925.116+/-0.471 χ^2/NDF:5399812.5/36

All: 3071.551+/-0.343 χ^2/NDF: 9277223.7/71



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -513.105+/-292.013 χ^2/NDF:7.4/18

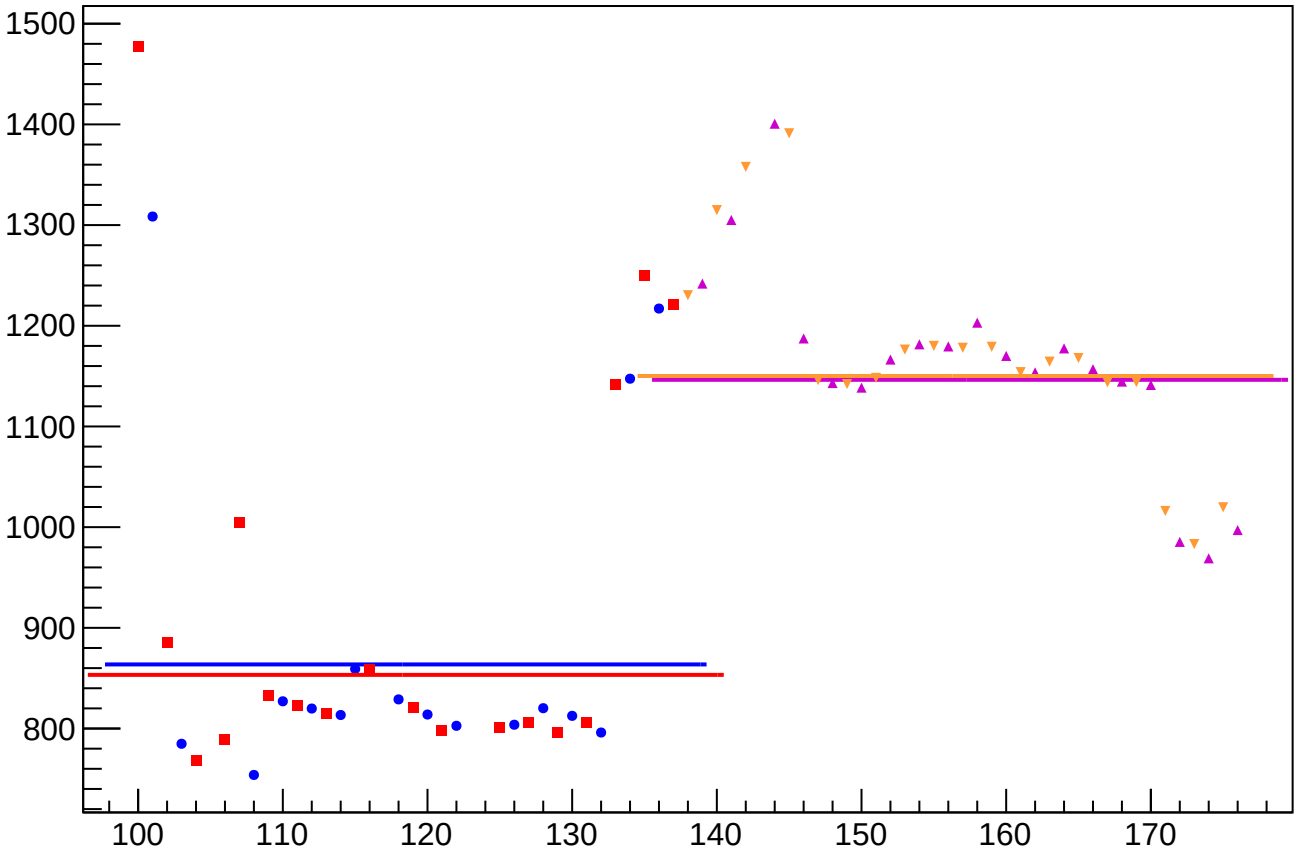
Left: 49.722+/-208.409 χ^2/NDF: 53.1/37

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -318.678+/-217.578 χ^2/NDF:21.8/34

Out: 263.058+/-218.474 χ^2/NDF:65.8/36

All: -29.005+/-154.167 χ^2/NDF: 91.1/71



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

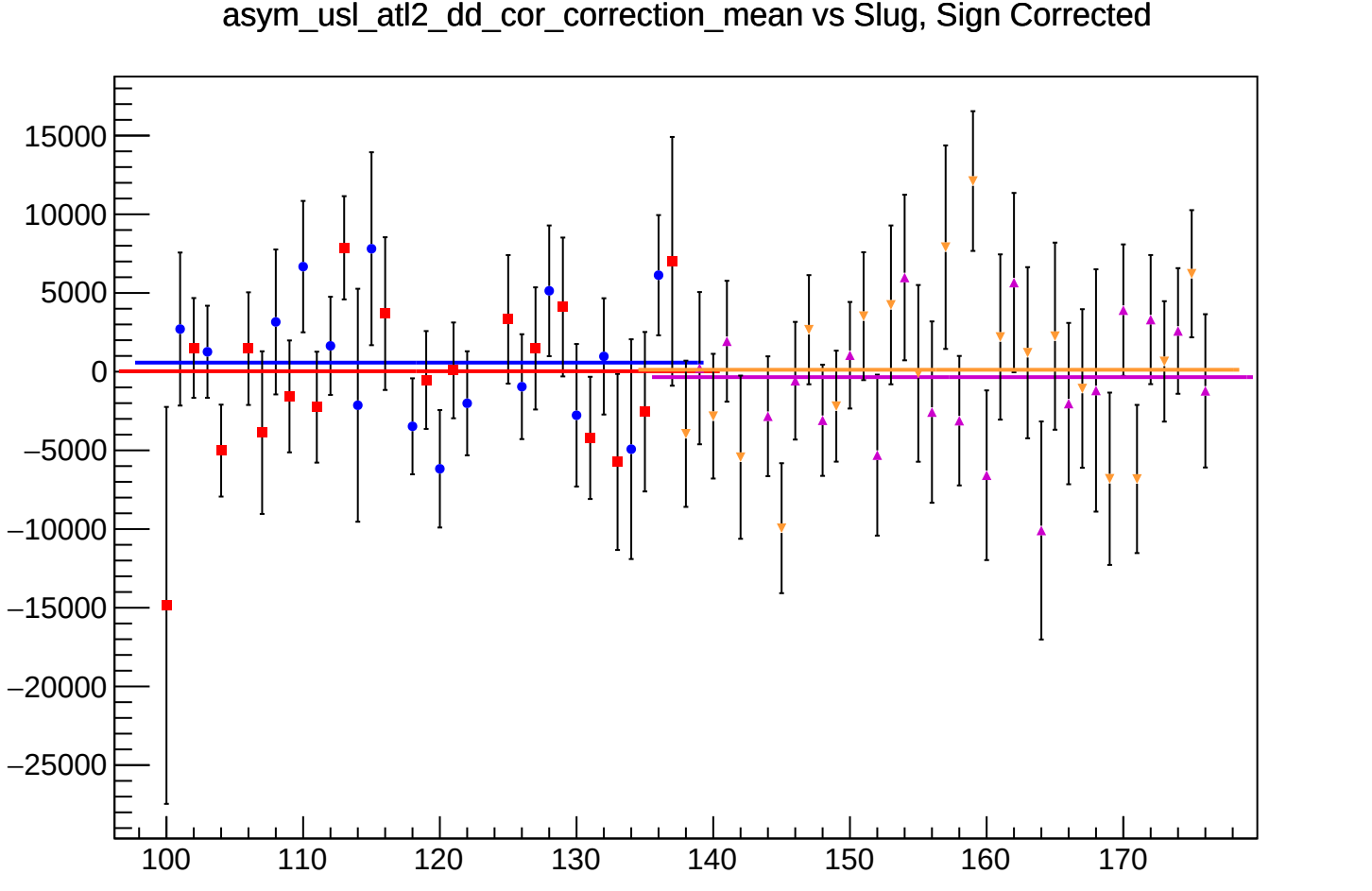
Left: 1148.186+/-0.147 χ^2/NDF: 443313.5/37

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.4/34

Out: 1012.563+/-0.154 χ^2/NDF:1404785.1/36

All: 1016.584+/-0.109 χ^2/NDF: 2883381.1/71



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 120.308+/-1041.712 χ^2/NDF:26.0/18

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -347.559+/-1028.811 χ^2/NDF:11.5/18

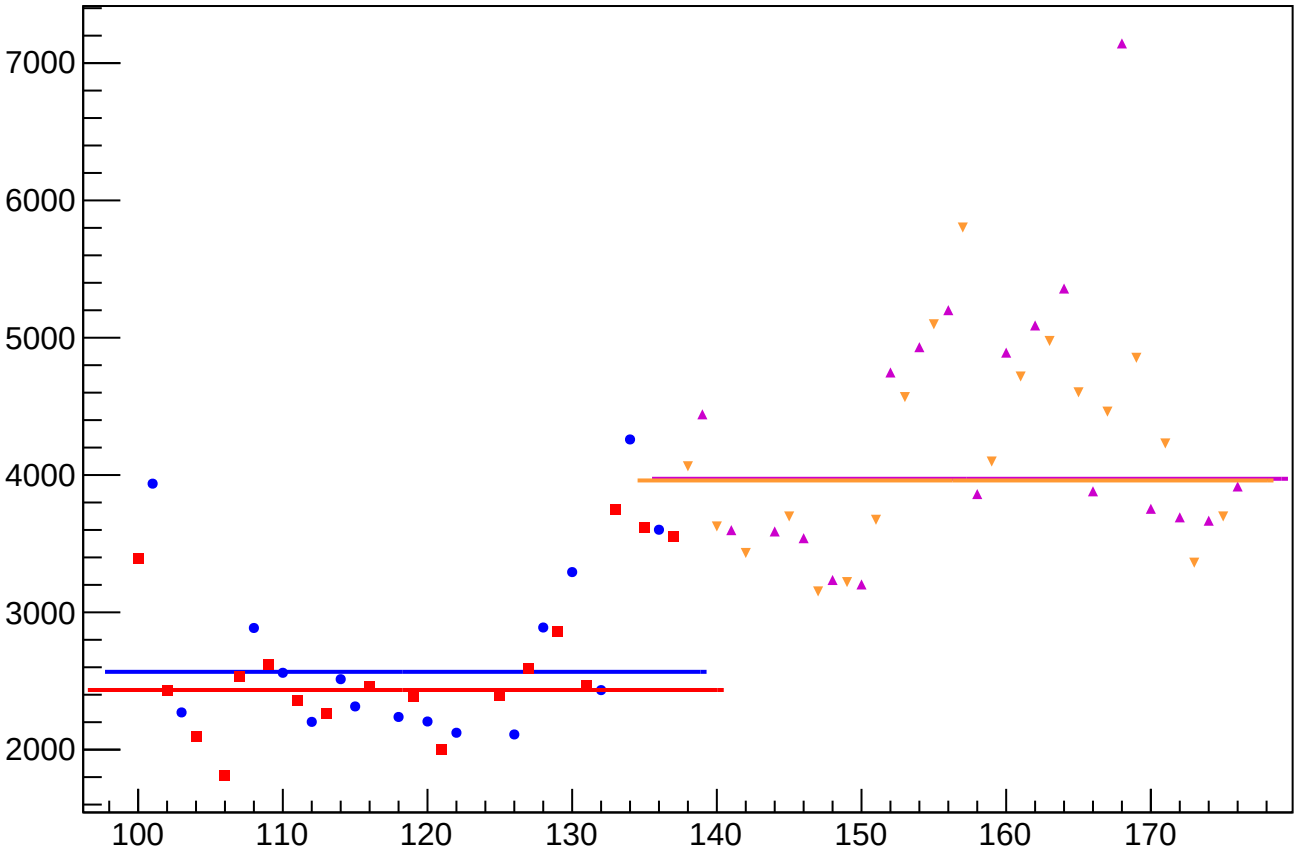
Left: -116.540+/-731.998 χ^2/NDF: 37.6/37

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 136.173+/-709.539 χ^2/NDF:26.6/34

Out: 68.892+/-690.463 χ^2/NDF:43.2/36

All: 101.616+/-494.838 χ^2/NDF: 69.8/71



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

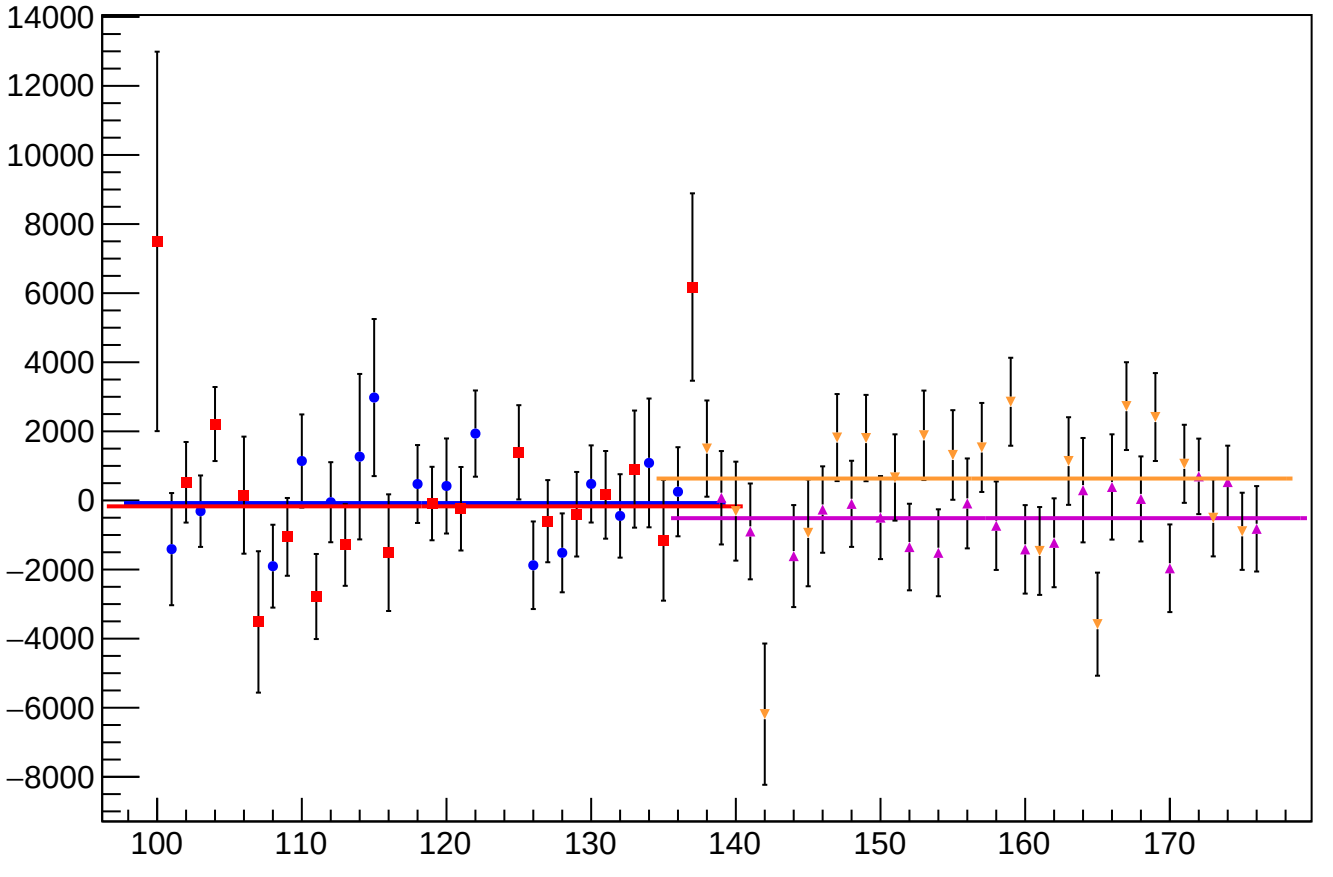
Left: 3966.672+/-0.518 χ^2/NDF: 1859369.6/37

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3235.470+/-0.502 χ^2/NDF:3685873.3/34

Out: 3104.868+/-0.488 χ^2/NDF:3638392.4/36

All: 3168.390+/-0.350 χ^2/NDF: 7359068.9/71



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 634.030+/-297.533 χ^2/NDF:38.1/18

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -513.105+/-292.013 χ^2/NDF:7.4/18

Left: 49.722+/-208.409 χ^2/NDF: 53.1/37

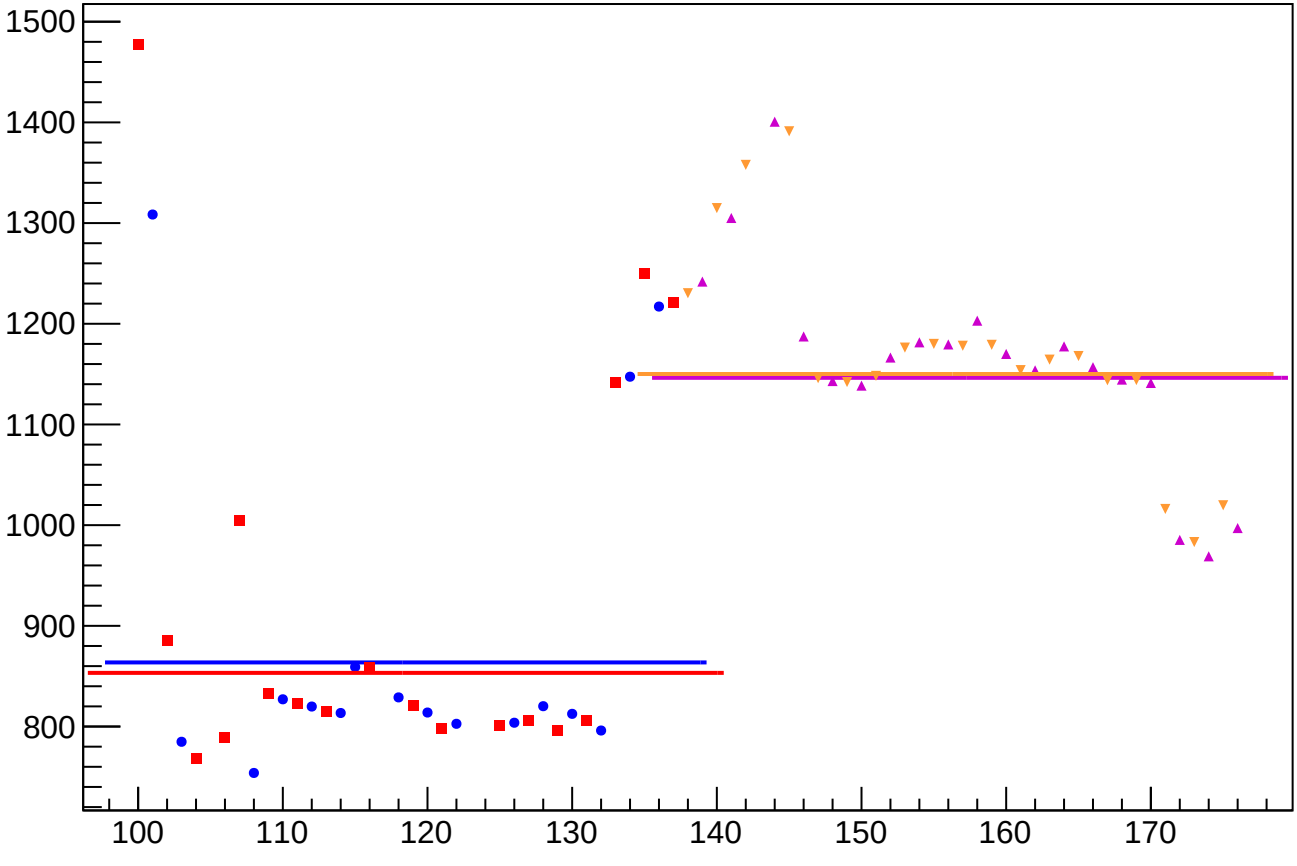
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -318.678+/-217.578 χ^2/NDF:21.8/34

Out: 263.058+/-218.474 χ^2/NDF:65.8/36

All: -29.005+/-154.167 χ^2/NDF: 91.1/71

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1150.110+/-0.210 χ^2/NDF:207058.5/18

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

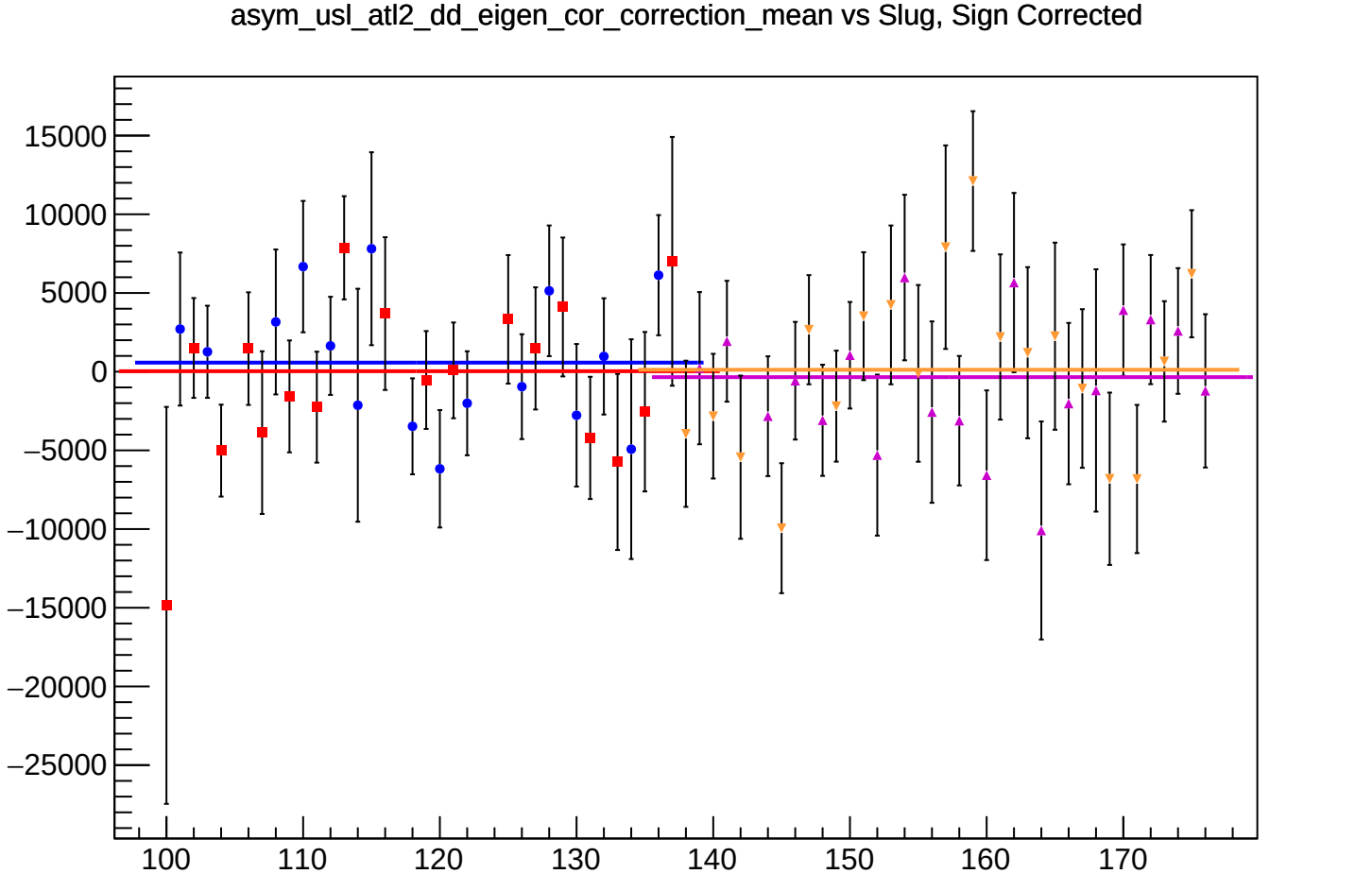
Left: 1148.186+/-0.147 χ^2/NDF: 443313.5/37

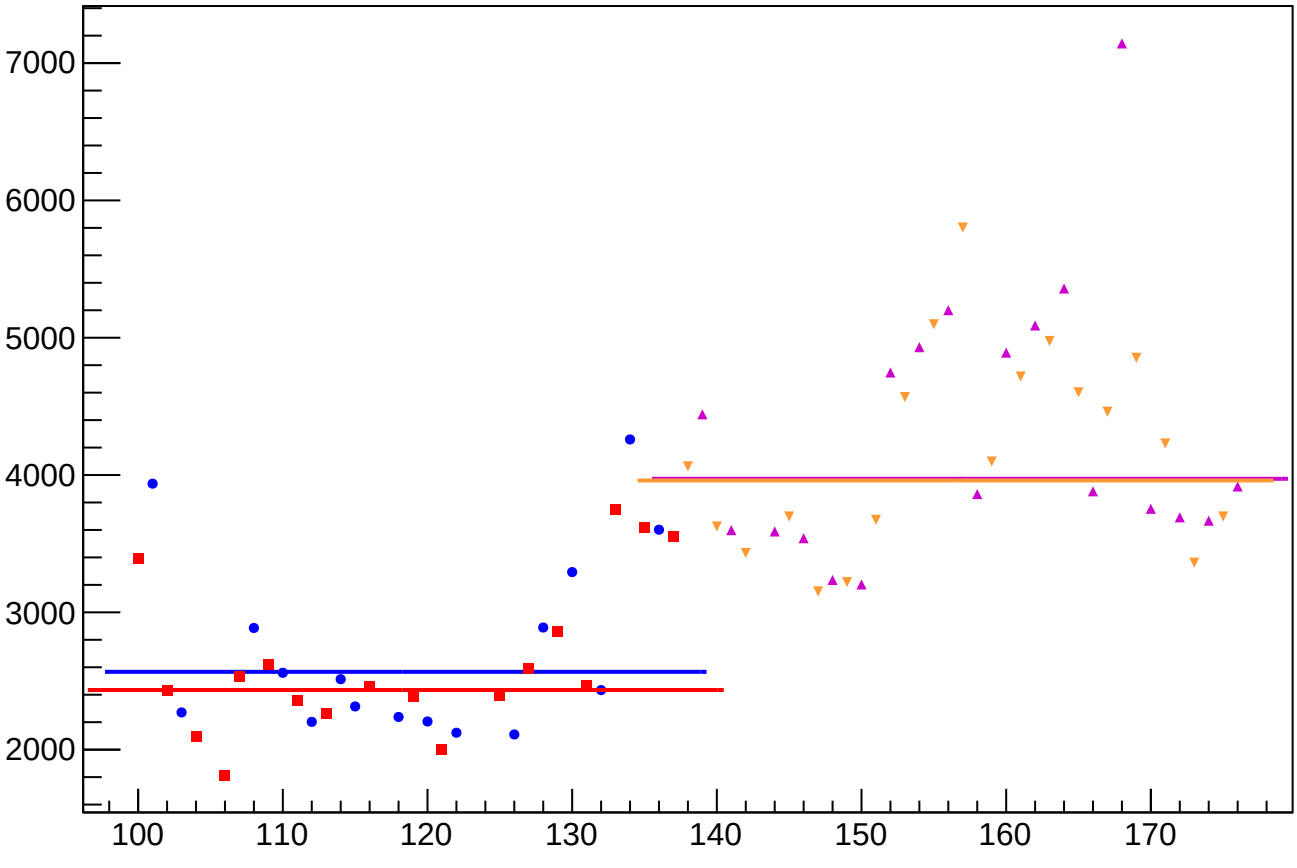
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.4/34

Out: 1012.563+/-0.154 χ^2/NDF:1404785.1/36

All: 1016.584+/-0.109 χ^2/NDF: 2883381.1/71


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 120.308+/-1041.712 χ²/NDF:26.0/18
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -347.559+/-1028.811 χ²/NDF:11.5/18
Left: -116.540+/-731.998 χ²/NDF: 37.6/37
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 136.173+/-709.539 χ²/NDF:26.6/34
Out: 68.892+/-690.463 χ²/NDF:43.2/36
All: 101.616+/-494.838 χ²/NDF: 69.8/71



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3960.494+/-0.737 χ^2/NDF:797784.0/18

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

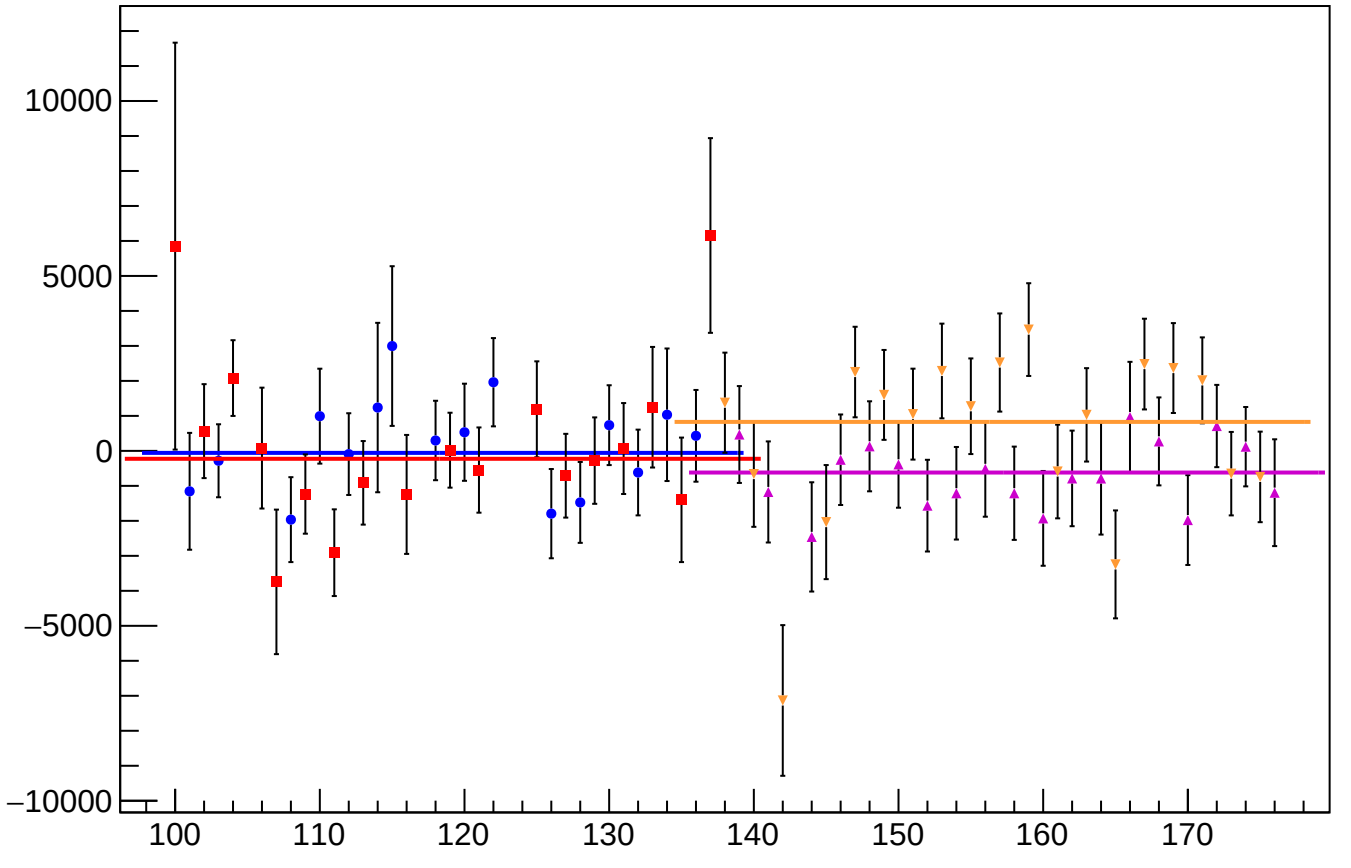
Left: 3966.672+/-0.518 χ^2/NDF: 1859369.6/37

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3235.470+/-0.502 χ^2/NDF:3685873.3/34

Out: 3104.868+/-0.488 χ^2/NDF:3638392.4/36

All: 3168.390+/-0.350 χ^2/NDF: 7359068.9/71



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -619.043+/-307.757 χ^2/NDF:9.0/18

Left: 91.339+/-219.606 χ^2/NDF: 61.1/37

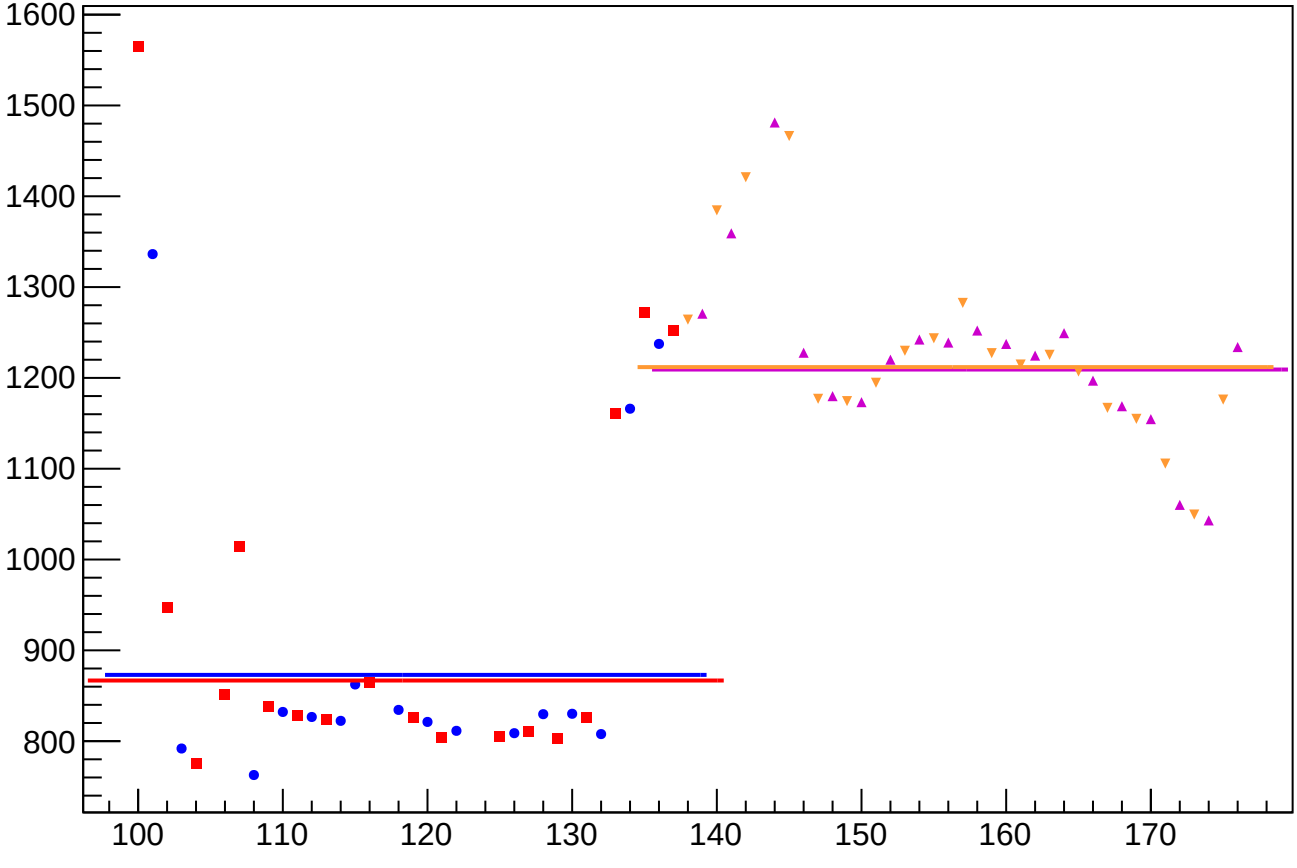
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -357.770+/-225.098 χ^2/NDF:23.5/34

Out: 325.105+/-226.638 χ^2/NDF:69.6/36

All: -18.661+/-159.710 χ^2/NDF: 97.7/71

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166819.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1209.213+/-0.218 χ^2/NDF:177493.8/18

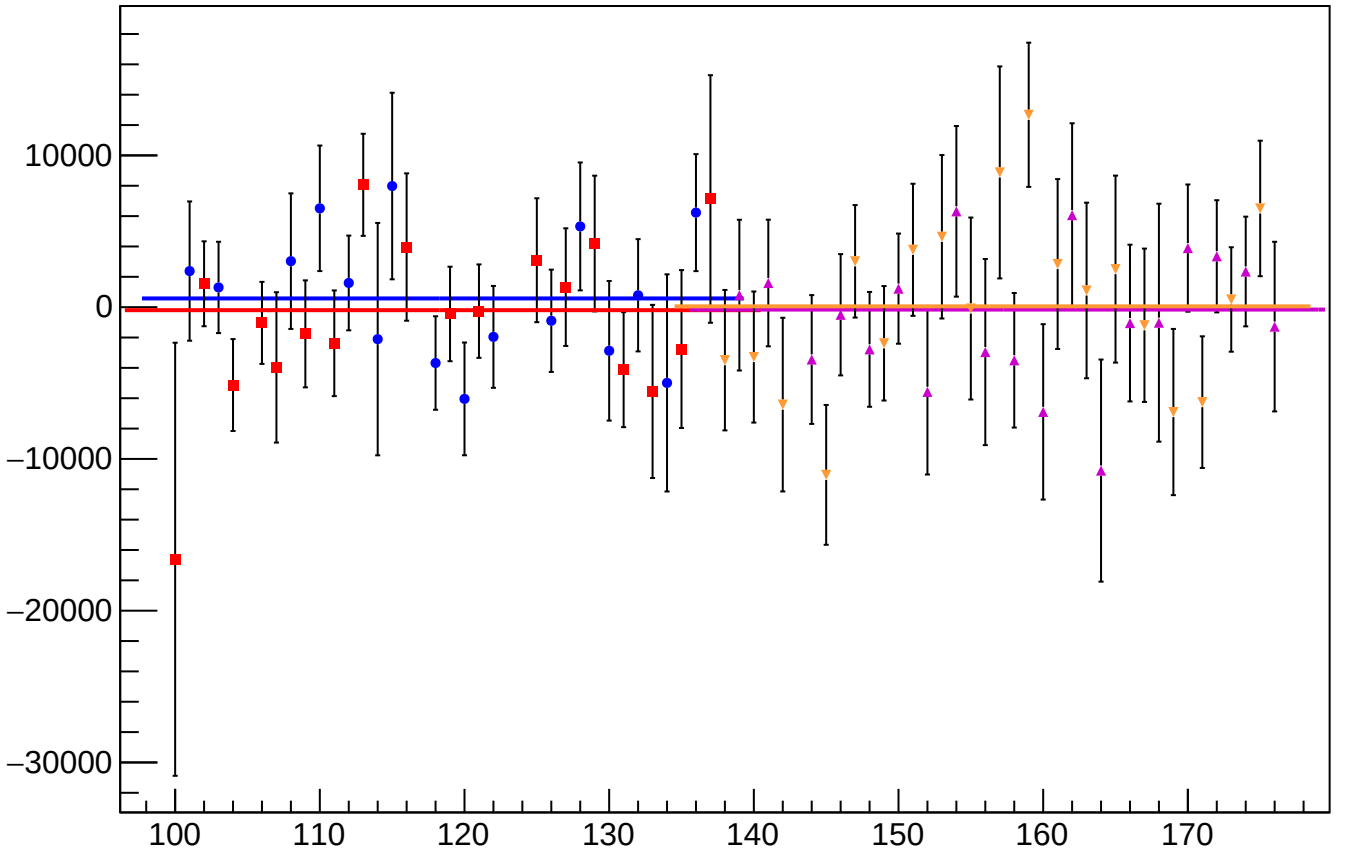
Left: 1210.520+/-0.155 χ^2/NDF: 344387.0/37

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1052.849+/-0.159 χ^2/NDF:1704791.8/34

Out: 1047.008+/-0.160 χ^2/NDF:1615318.4/36

All: 1049.947+/-0.113 χ^2/NDF: 3320779.3/71



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 54.160+/-1085.003 χ^2/NDF:25.8/18

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -157.991+/-1070.143 χ^2/NDF:11.5/18

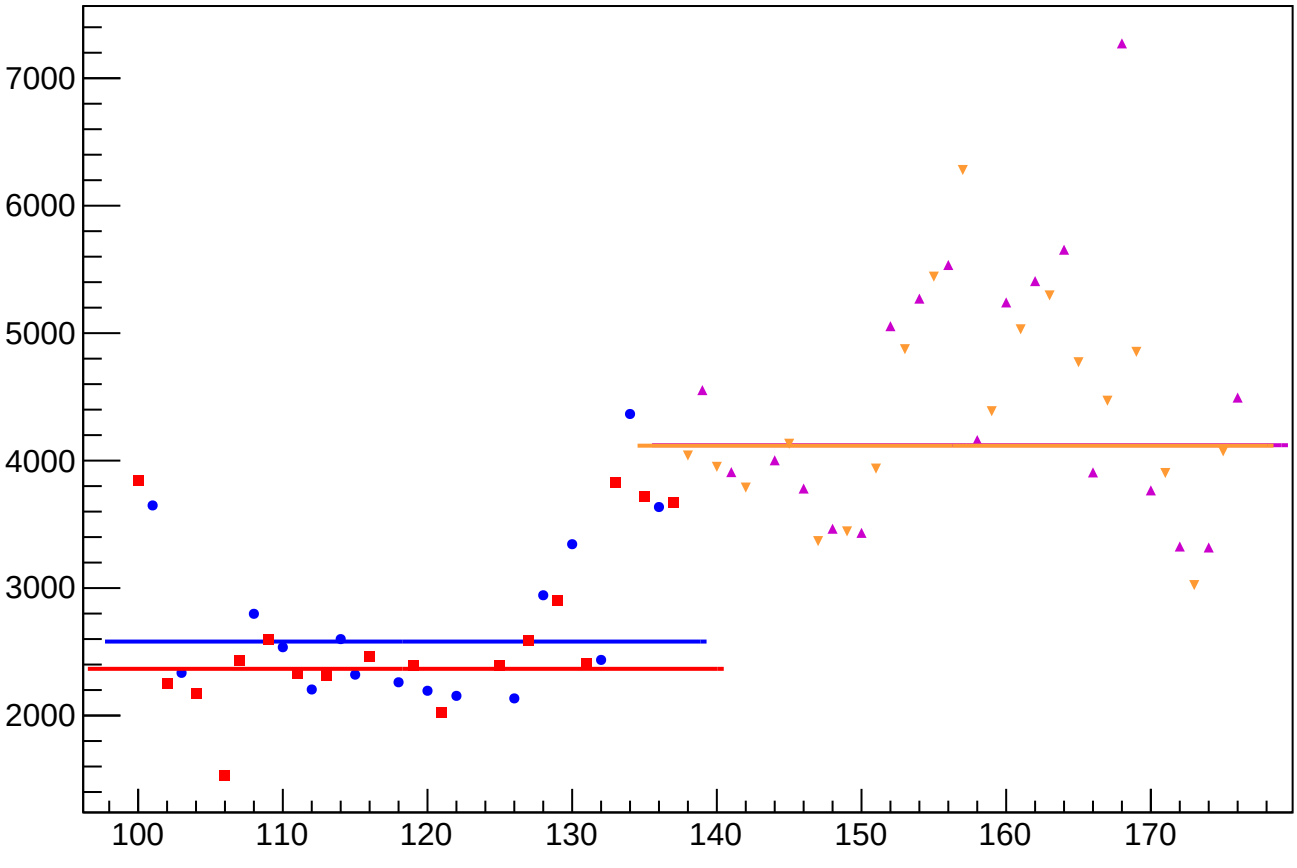
Left: -53.378+/-761.905 χ^2/NDF: 37.3/37

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 239.008+/-724.690 χ^2/NDF:26.4/34

Out: -95.988+/-690.015 χ^2/NDF:43.0/36

All: 63.304+/-499.723 χ^2/NDF: 69.5/71



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4117.207+/-0.767 χ^2/NDF:906249.6/18

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4120.851+/-0.757 χ^2/NDF:1211635.2/18

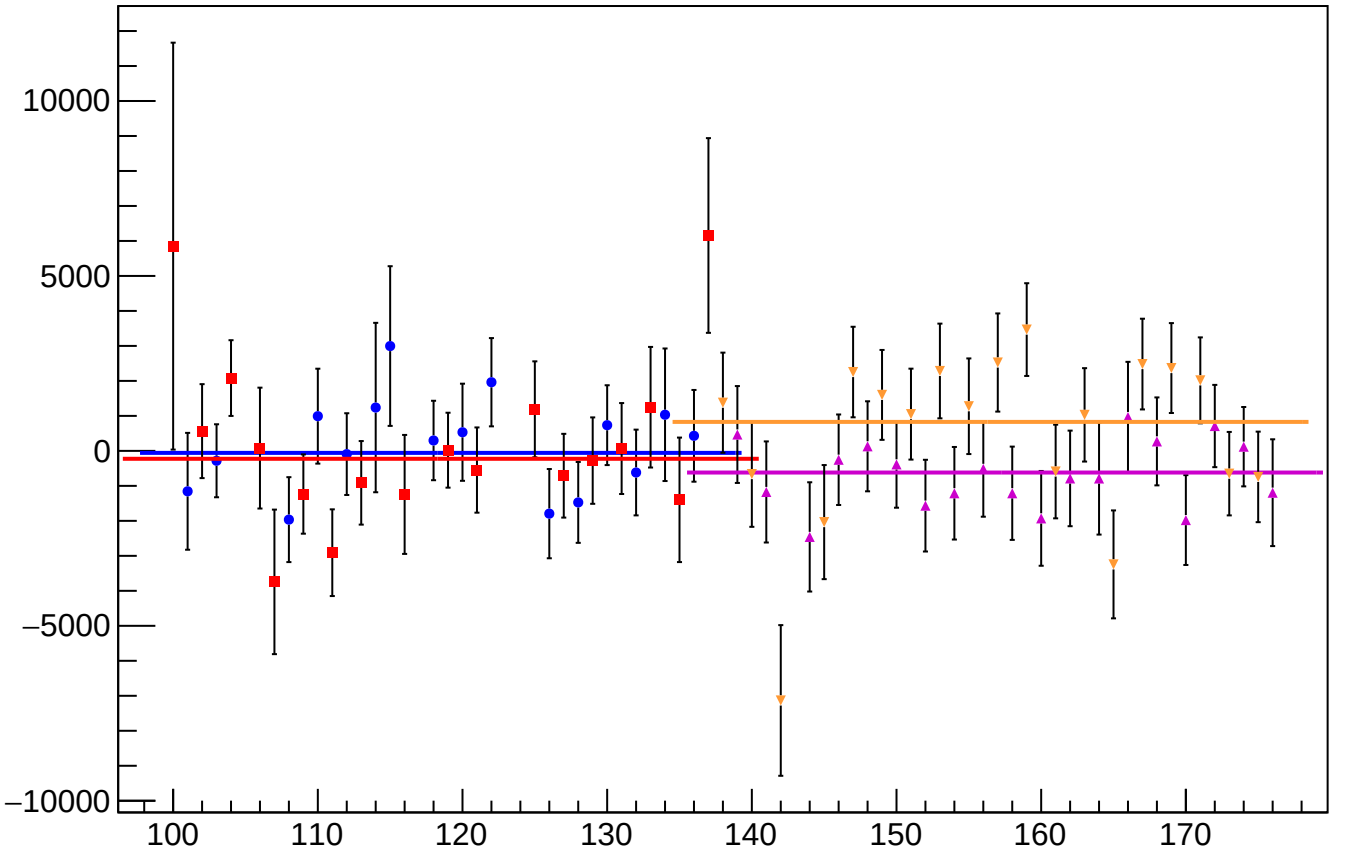
Left: 4119.054+/-0.539 χ^2/NDF: 2117896.2/37

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3286.815+/-0.512 χ^2/NDF:4072594.8/34

Out: 3074.506+/-0.488 χ^2/NDF:4619383.5/36

All: 3175.460+/-0.353 χ^2/NDF: 8782011.9/71



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 828.290+/-313.460 χ^2/NDF:41.3/18

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -619.040+/-307.758 χ^2/NDF:9.0/18

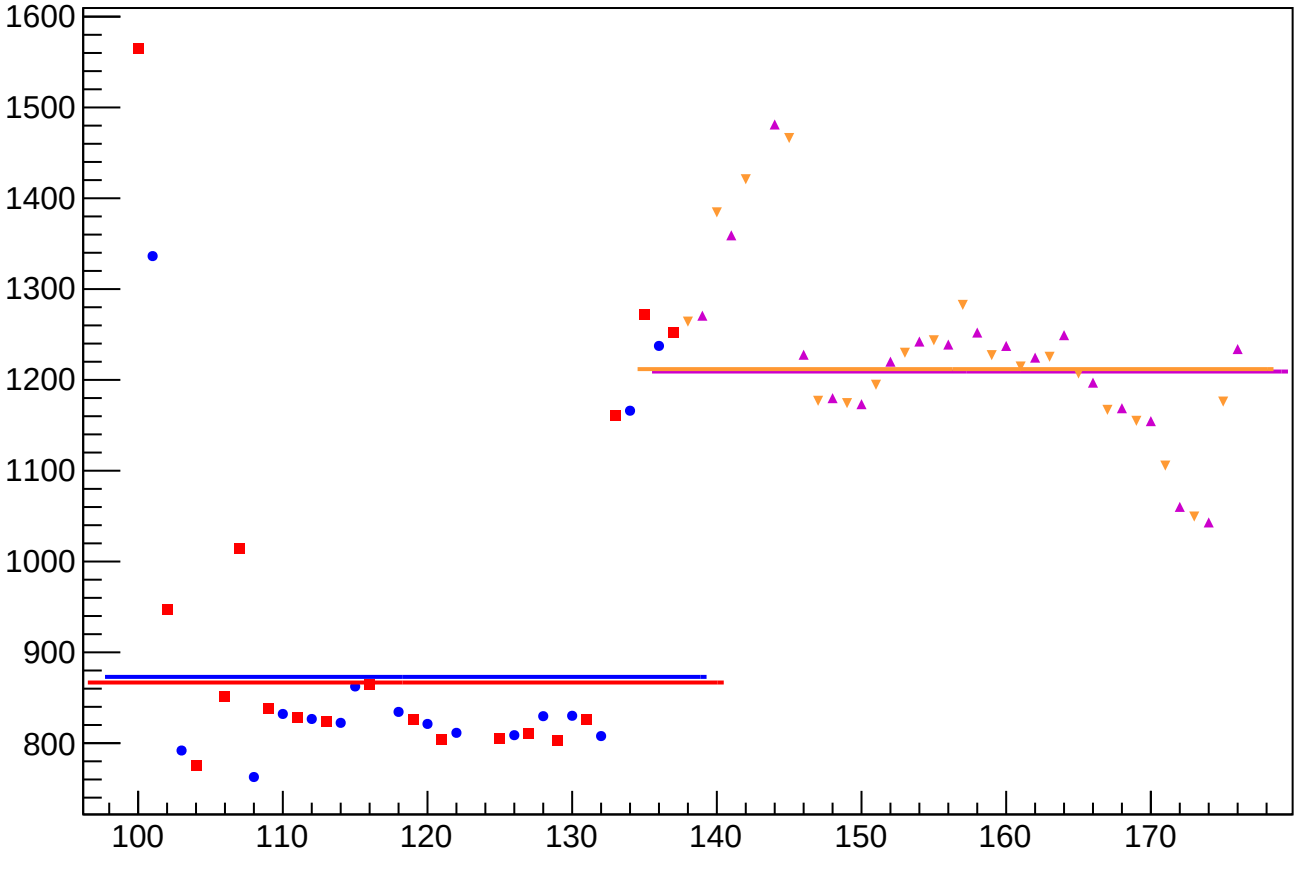
Left: 91.340+/-219.606 χ^2/NDF: 61.1/37

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -357.771+/-225.098 χ^2/NDF:23.5/34

Out: 325.103+/-226.638 χ^2/NDF:69.6/36

All: -18.662+/-159.710 χ^2/NDF: 97.7/71



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1211.876+/-0.222 χ^2/NDF:166826.7/18

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1209.214+/-0.218 χ^2/NDF:177500.9/18

Left: 1210.520+/-0.155 χ^2/NDF: 344401.1/37

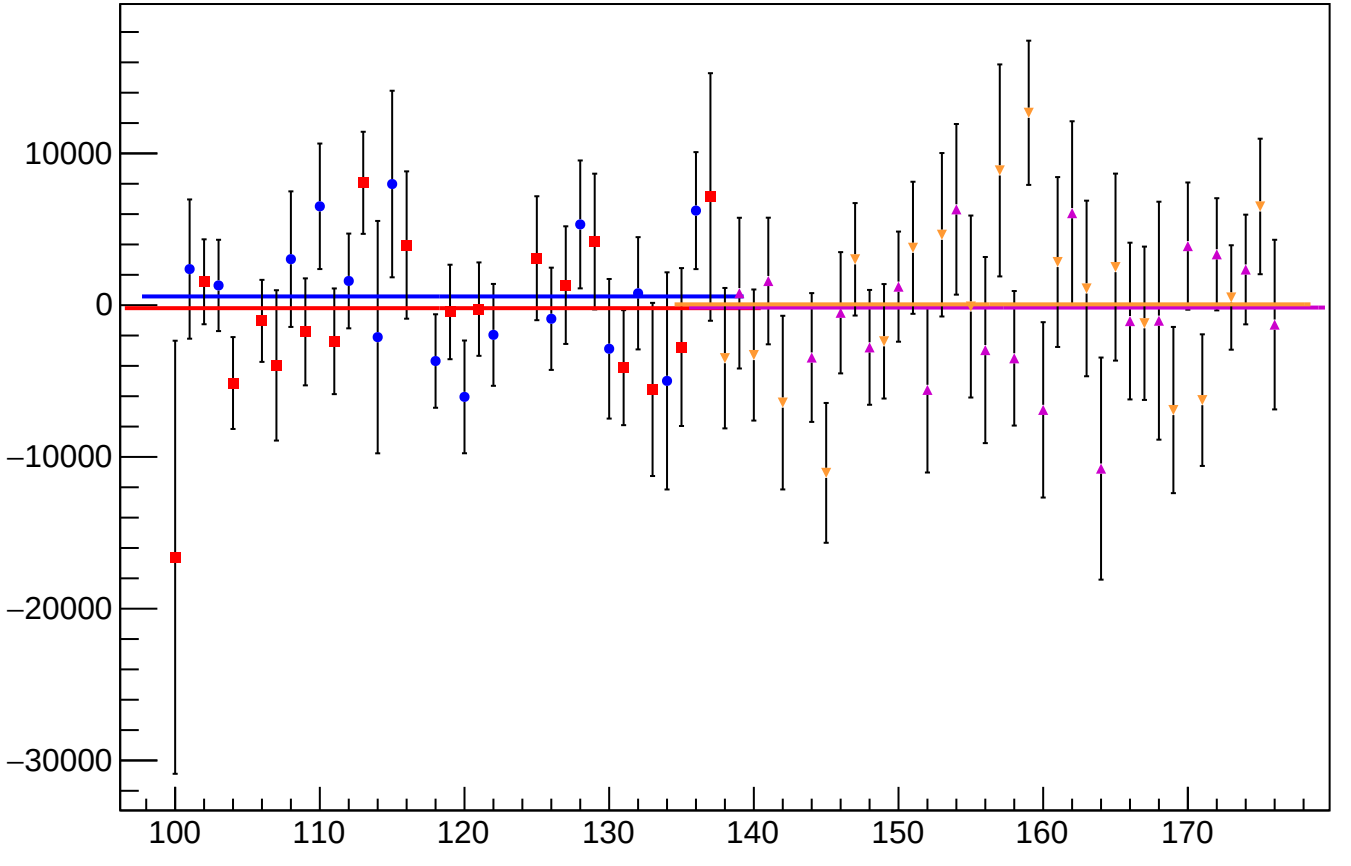
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1052.850+/-0.159 χ^2/NDF:1704800.4/34

Out: 1047.008+/-0.160 χ^2/NDF:1615326.2/36

All: 1049.947+/-0.113 χ^2/NDF: 3320795.8/71

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: 54.161+/-1085.005 χ^2/NDF:25.8/18

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -157.992+/-1070.145 χ^2/NDF:11.5/18

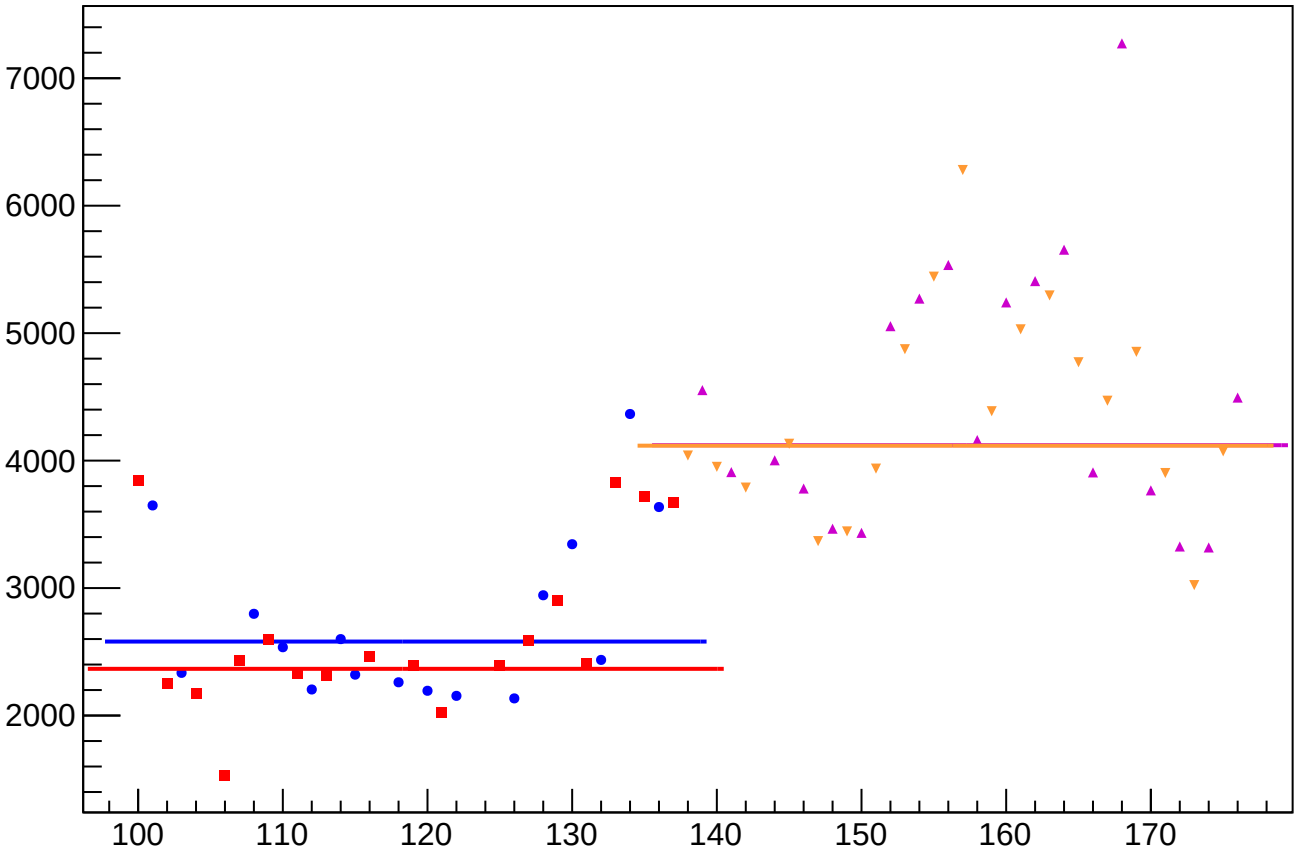
Left: -53.378+/-761.906 χ^2/NDF: 37.3/37

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 239.007+/-724.689 χ^2/NDF:26.4/34

Out: -95.989+/-690.015 χ^2/NDF:43.0/36

All: 63.303+/-499.723 χ^2/NDF: 69.5/71



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4117.215+/-0.767 χ^2/NDF:906247.7/18

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4120.858+/-0.757 χ^2/NDF:1211635.0/18

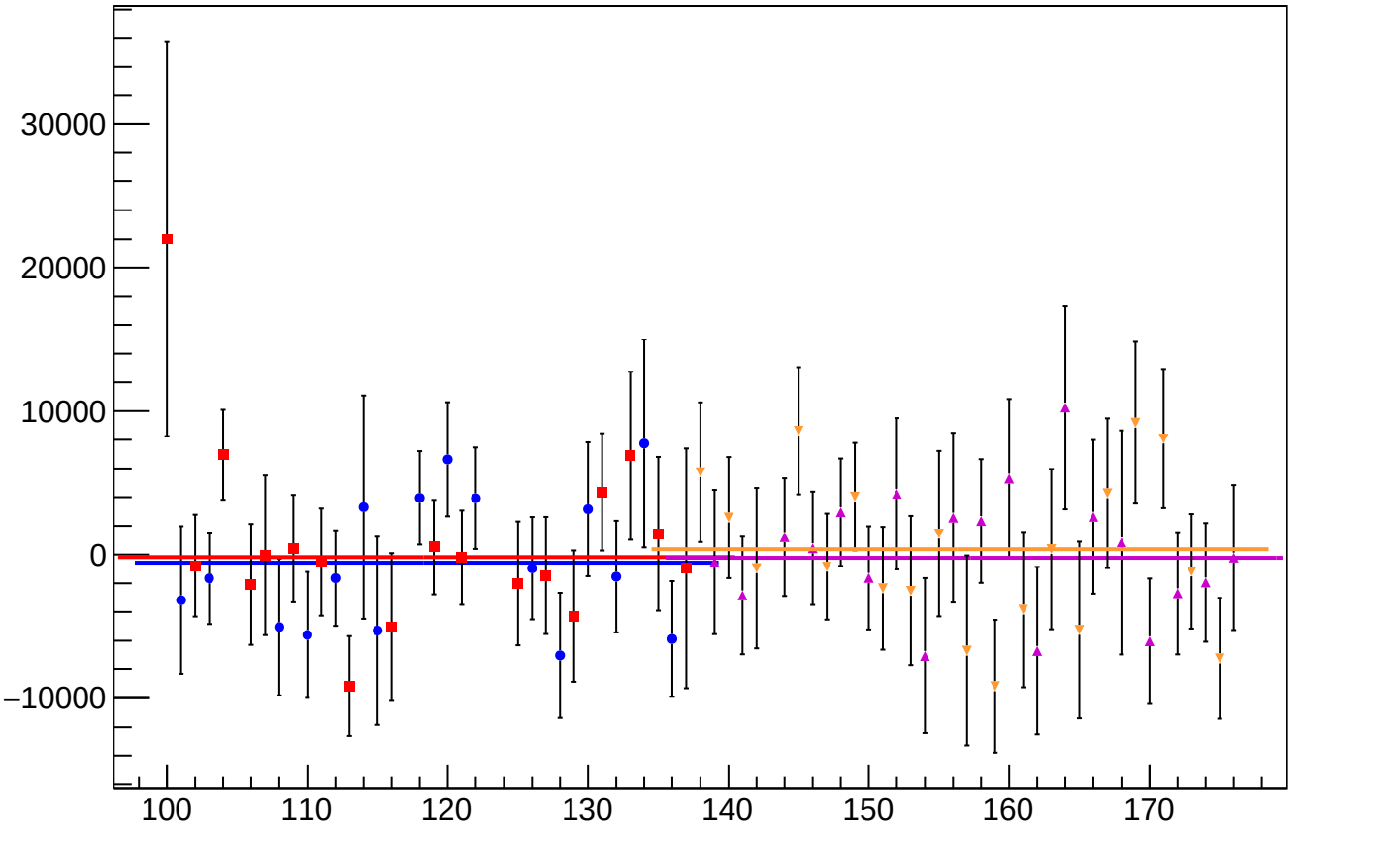
Left: 4119.061+/-0.539 χ^2/NDF: 2117894.1/37

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3286.810+/-0.512 χ^2/NDF:4072649.4/34

Out: 3074.501+/-0.488 χ^2/NDF:4619437.9/36

All: 3175.455+/-0.353 χ^2/NDF: 8782120.9/71



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 372.537+/-1090.775 χ^2/NDF:22.6/18

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -227.763+/-1076.347 χ^2/NDF:11.3/18

Left: 68.391+/-766.142 χ^2/NDF: 34.1/37

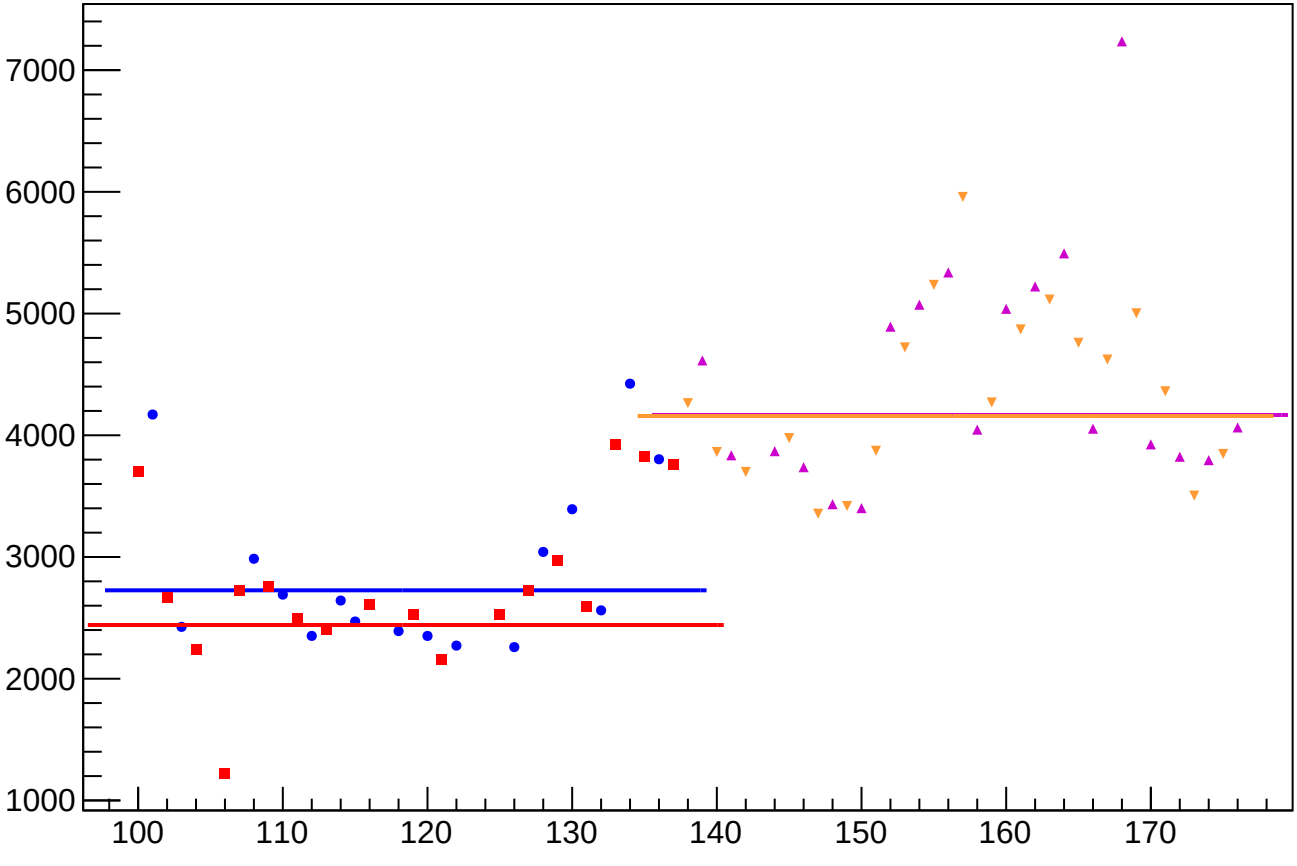
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -402.687+/-748.027 χ^2/NDF:27.6/34

Out: 69.903+/-732.427 χ^2/NDF:42.3/36

All: -161.413+/-523.332 χ^2/NDF: 70.1/71

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4158.571+/-0.771 χ^2/NDF:692753.0/18

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4166.914+/-0.761 χ^2/NDF:936016.3/18

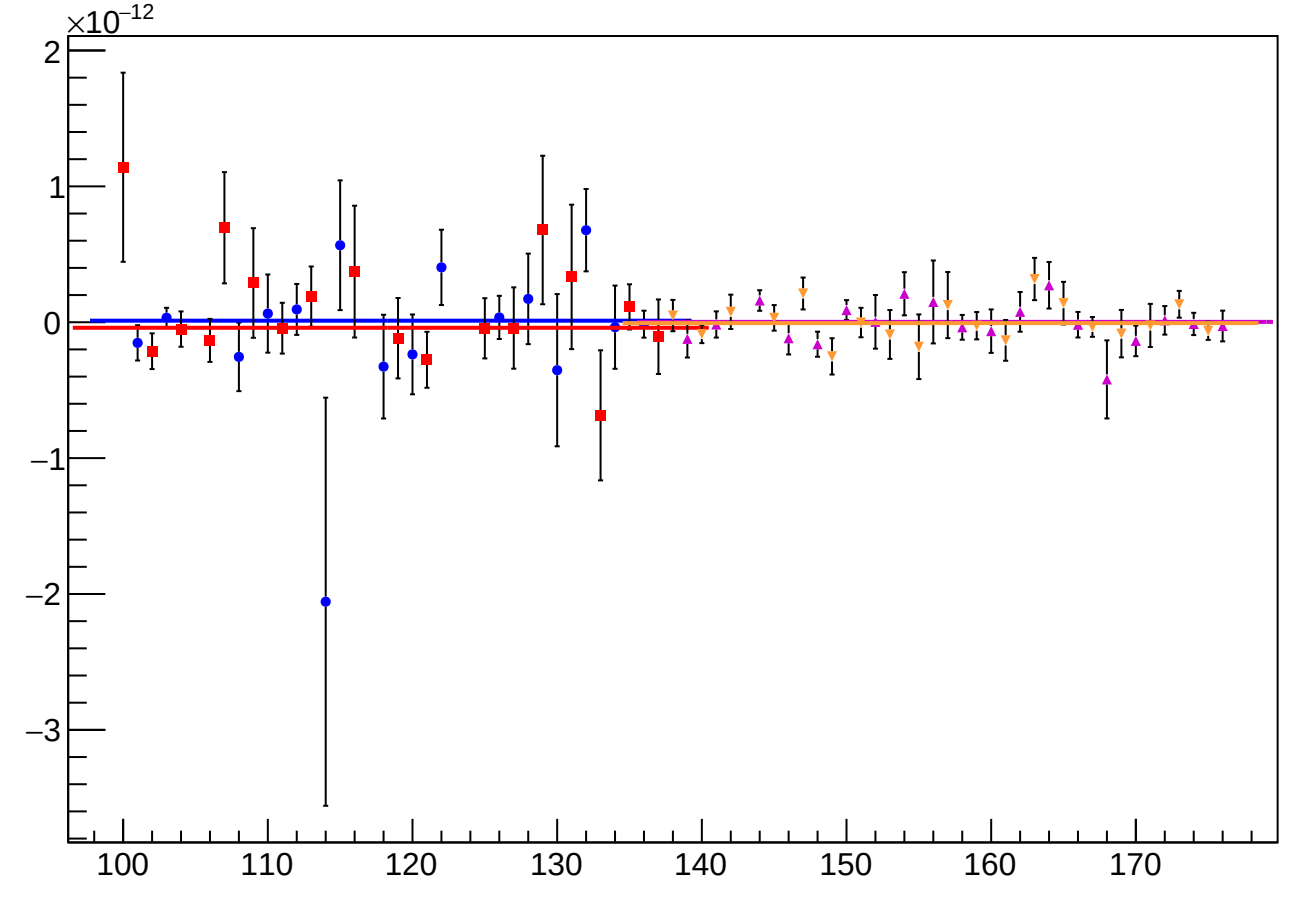
Left: 4162.798+/-0.542 χ^2/NDF: 1628828.5/37

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3422.053+/-0.529 χ^2/NDF:3411640.4/34

Out: 3176.025+/-0.504 χ^2/NDF:4420076.2/36

All: 3293.222+/-0.365 χ^2/NDF: 7945008.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.7/18

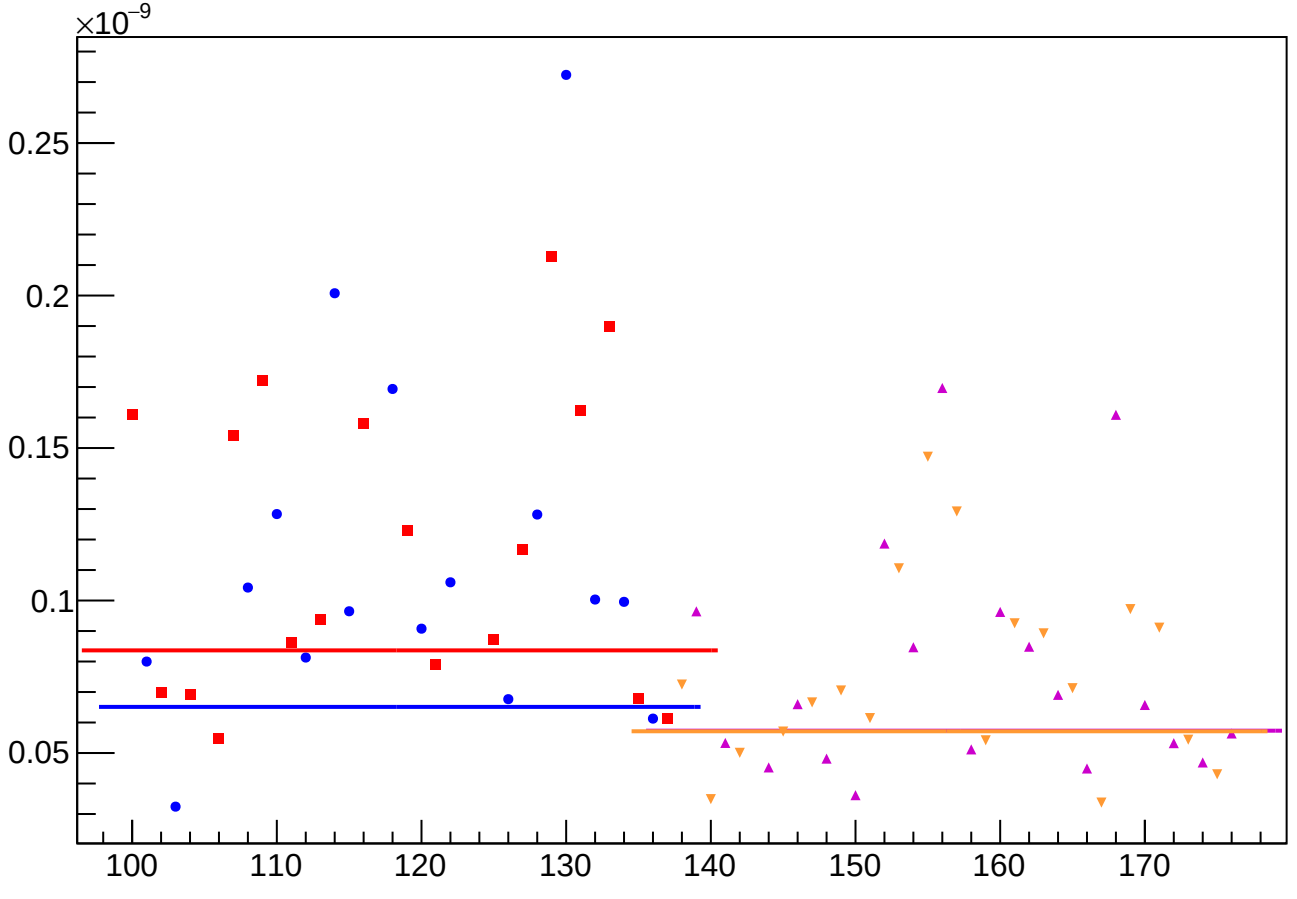
Left: -0.000+/-0.000 χ^2/NDF: 38.9/37

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:35.1/34

Out: -0.000+/-0.000 χ^2/NDF:36.5/36

All: -0.000+/-0.000 χ^2/NDF: 71.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645579.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1487068.5/18

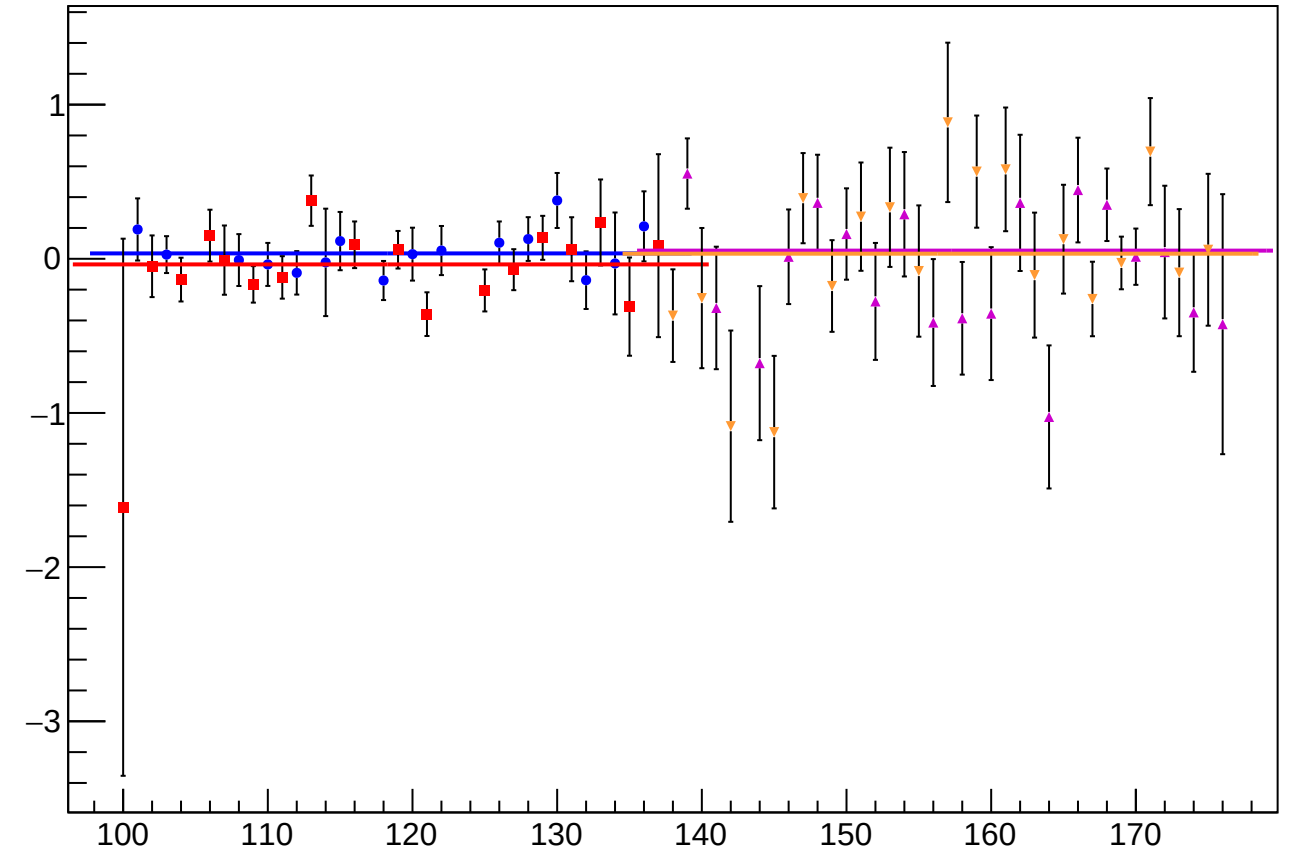
Left: 0.000+/-0.000 χ^2/NDF: 3132704.3/37

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2756753.1/34

Out: 0.000+/-0.000 χ^2/NDF:2741039.2/36

All: 0.000+/-0.000 χ^2/NDF: 5512565.3/71



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

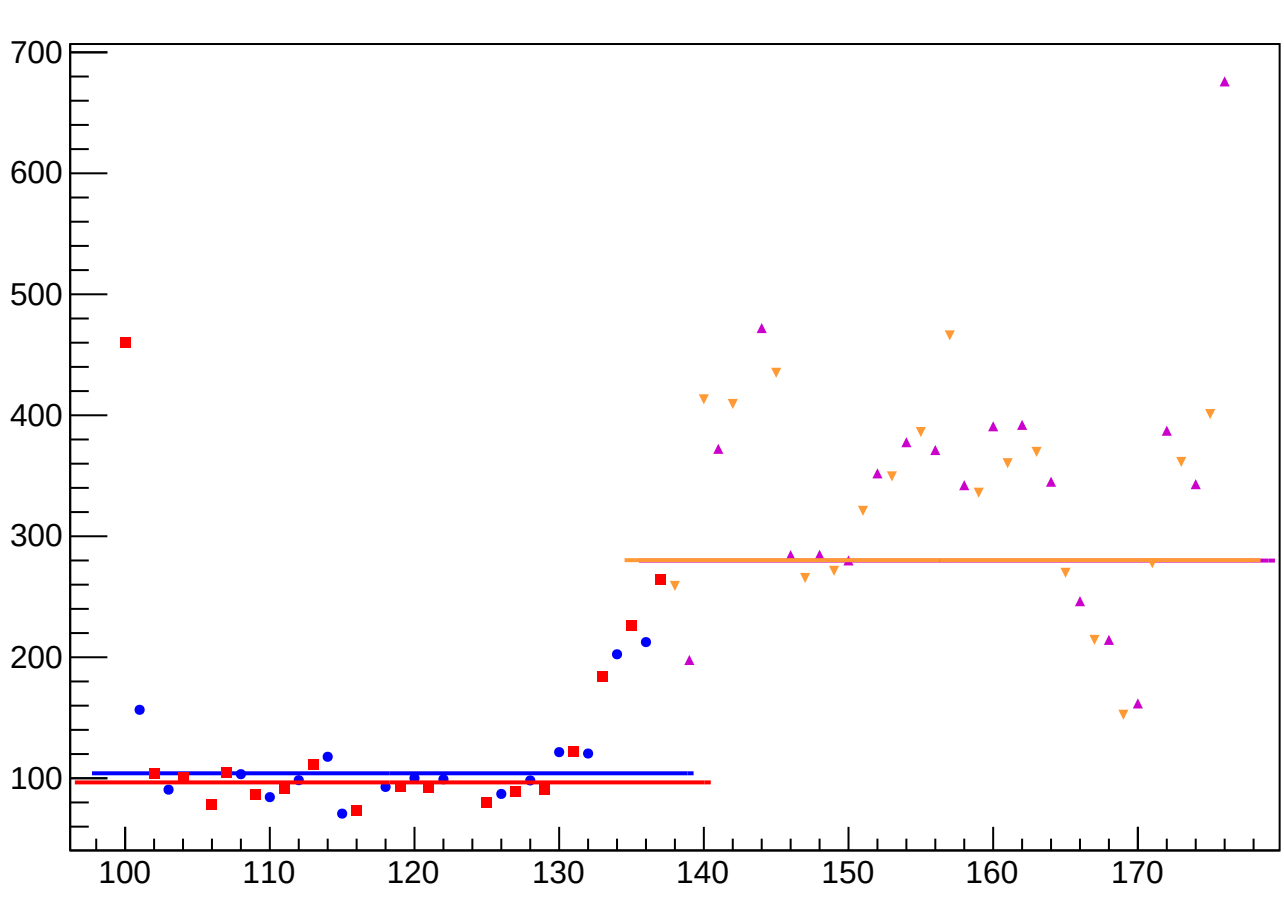
Left: 0.043+/-0.054 χ^2/NDF: 50.3/37

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.007+/-0.025 χ^2/NDF: 84.2/71



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 280.238+/-0.055 χ^2/NDF:2635964.9/18

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

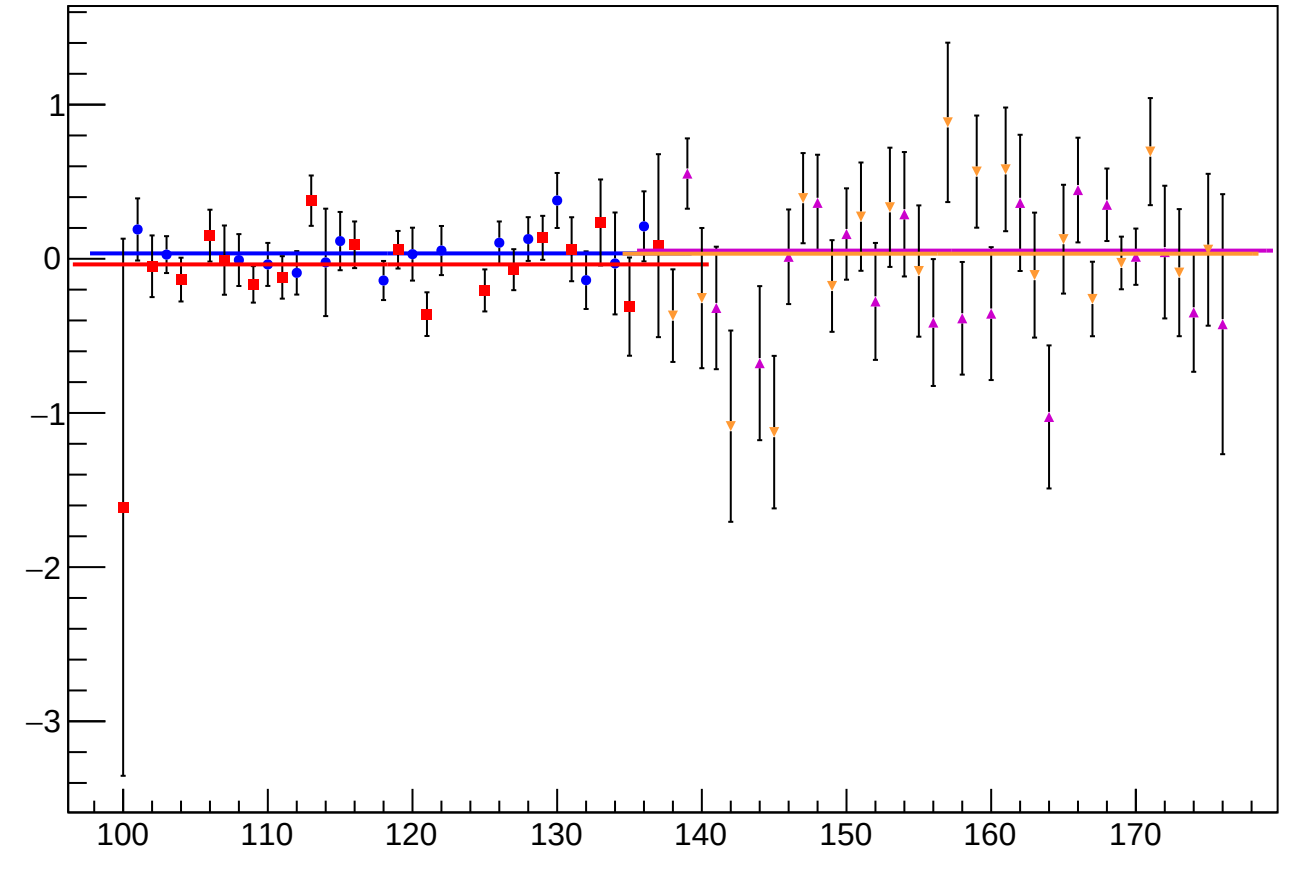
Left: 280.072+/-0.038 χ^2/NDF: 5578872.4/37

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 143.895+/-0.026 χ^2/NDF:12244580.7/34

Out: 133.667+/-0.025 χ^2/NDF:12597208.3/36

All: 138.587+/-0.018 χ^2/NDF: 24925142.1/71



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

Left: 0.043+/-0.054 χ^2/NDF: 50.3/37

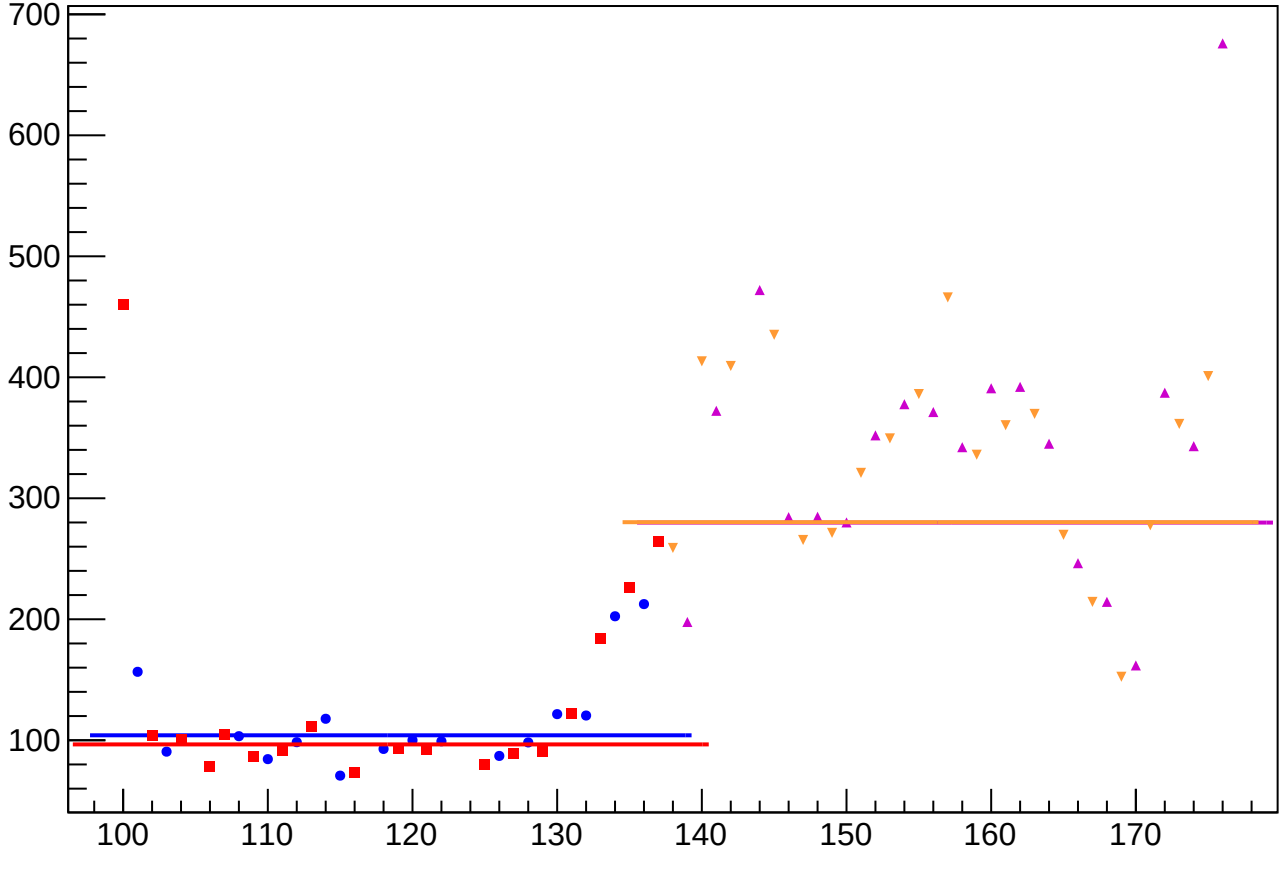
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.007+/-0.025 χ^2/NDF: 84.2/71

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: 280.238+/-0.055 χ^2/NDF:2635964.9/18

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

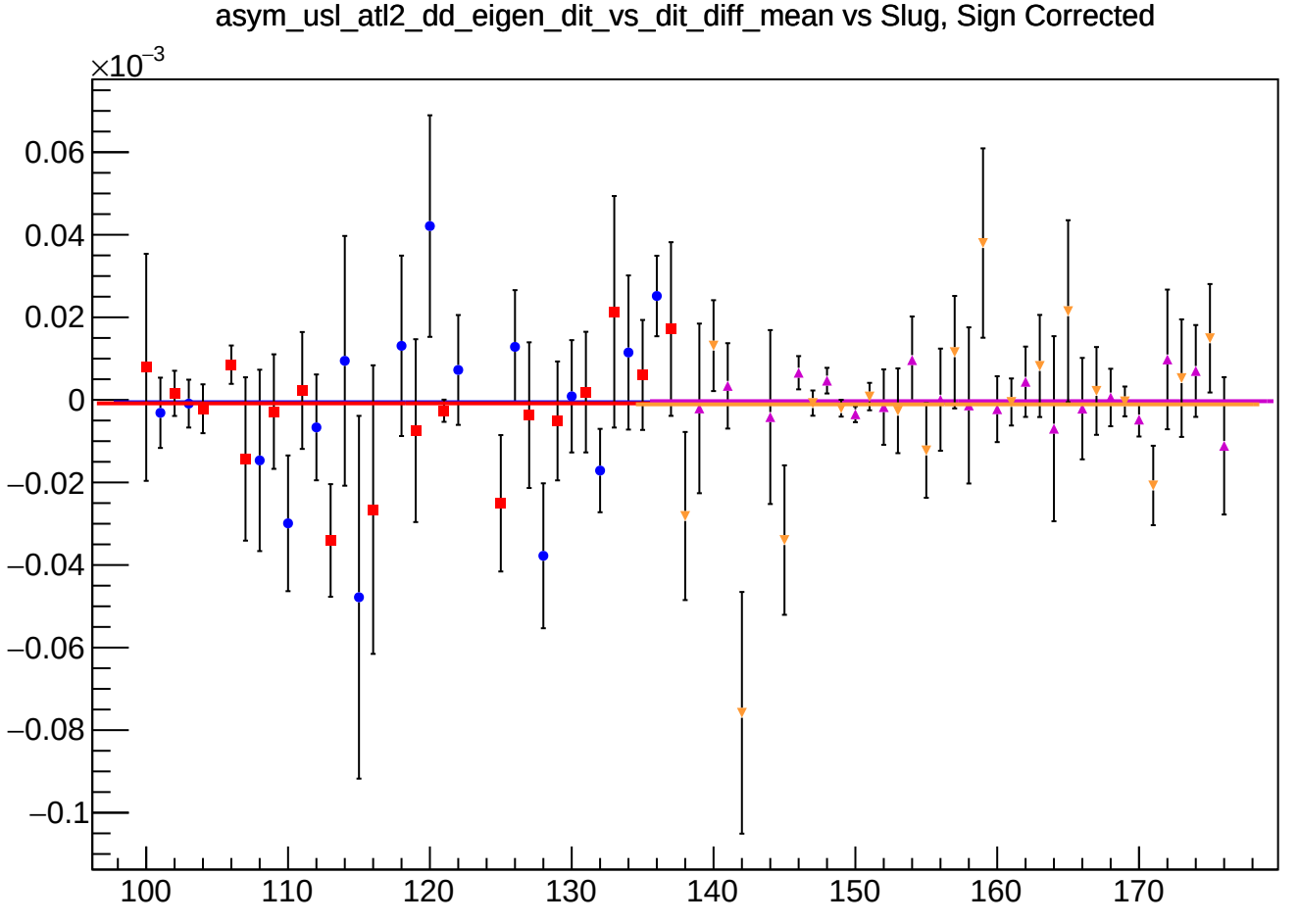
Left: 280.072+/-0.038 χ^2/NDF: 5578872.4/37

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 143.895+/-0.026 χ^2/NDF:12244580.7/34

Out: 133.667+/-0.025 χ^2/NDF:12597208.3/36

All: 138.587+/-0.018 χ^2/NDF: 24925142.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

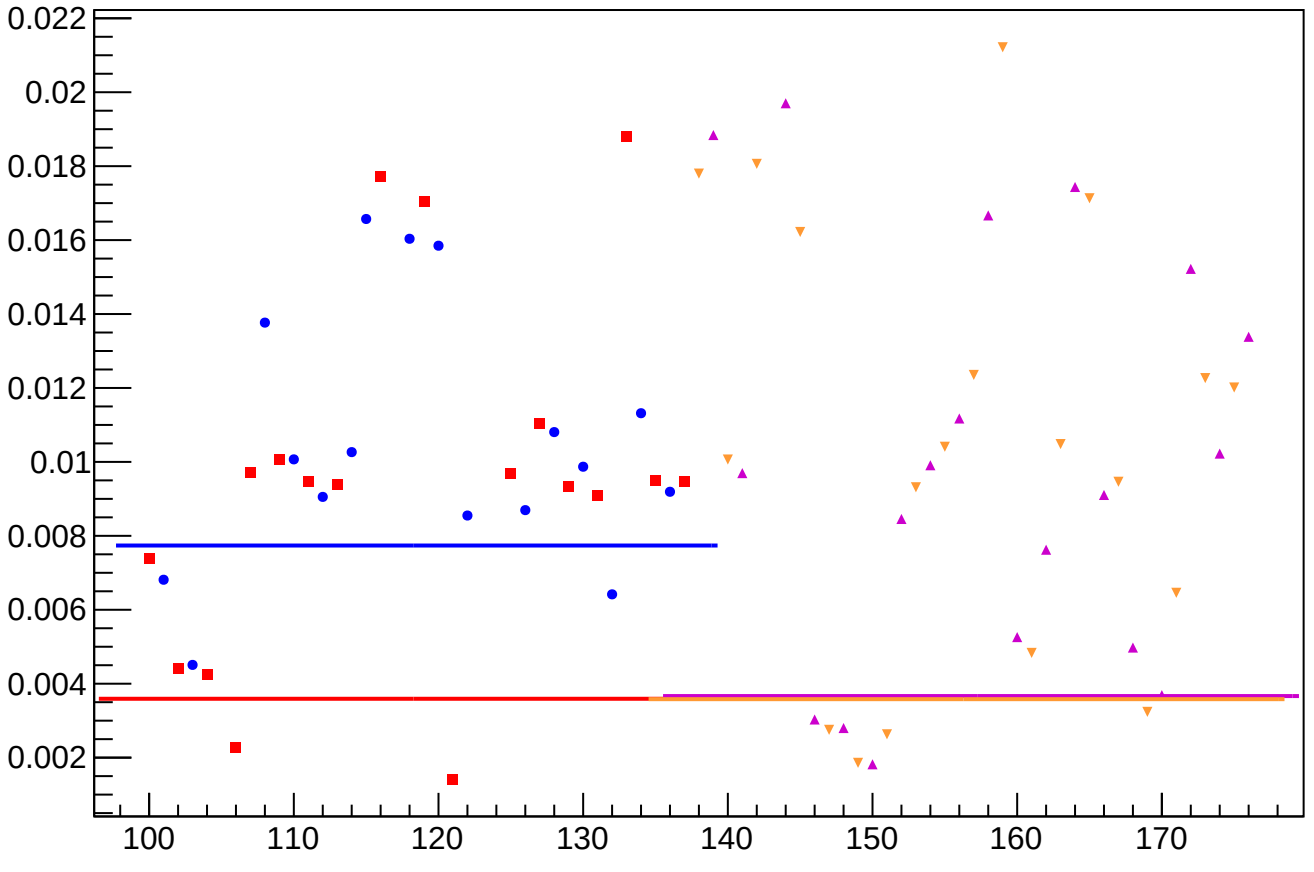
Left: -0.000+/-0.000 χ^2/NDF: 38.5/37

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:36.1/34

Out: -0.000+/-0.000 χ^2/NDF:42.0/36

All: -0.000+/-0.000 χ^2/NDF: 78.3/71



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12070436.3/18

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11949330.0/18

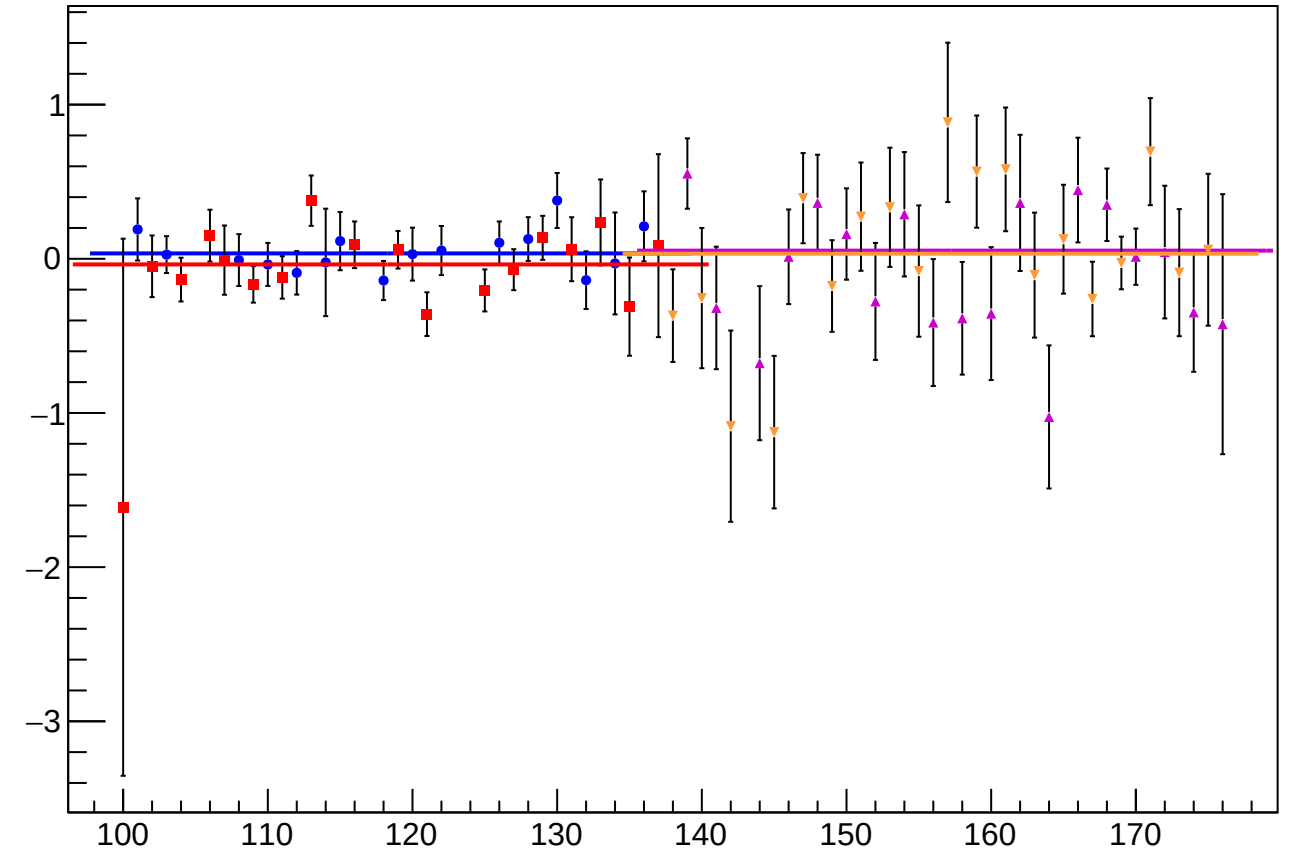
Left: 0.004+/-0.000 χ^2/NDF: 24024136.6/37

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:16582562.9/34

Out: 0.004+/-0.000 χ^2/NDF:18435366.2/36

All: 0.004+/-0.000 χ^2/NDF: 35377086.9/71



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

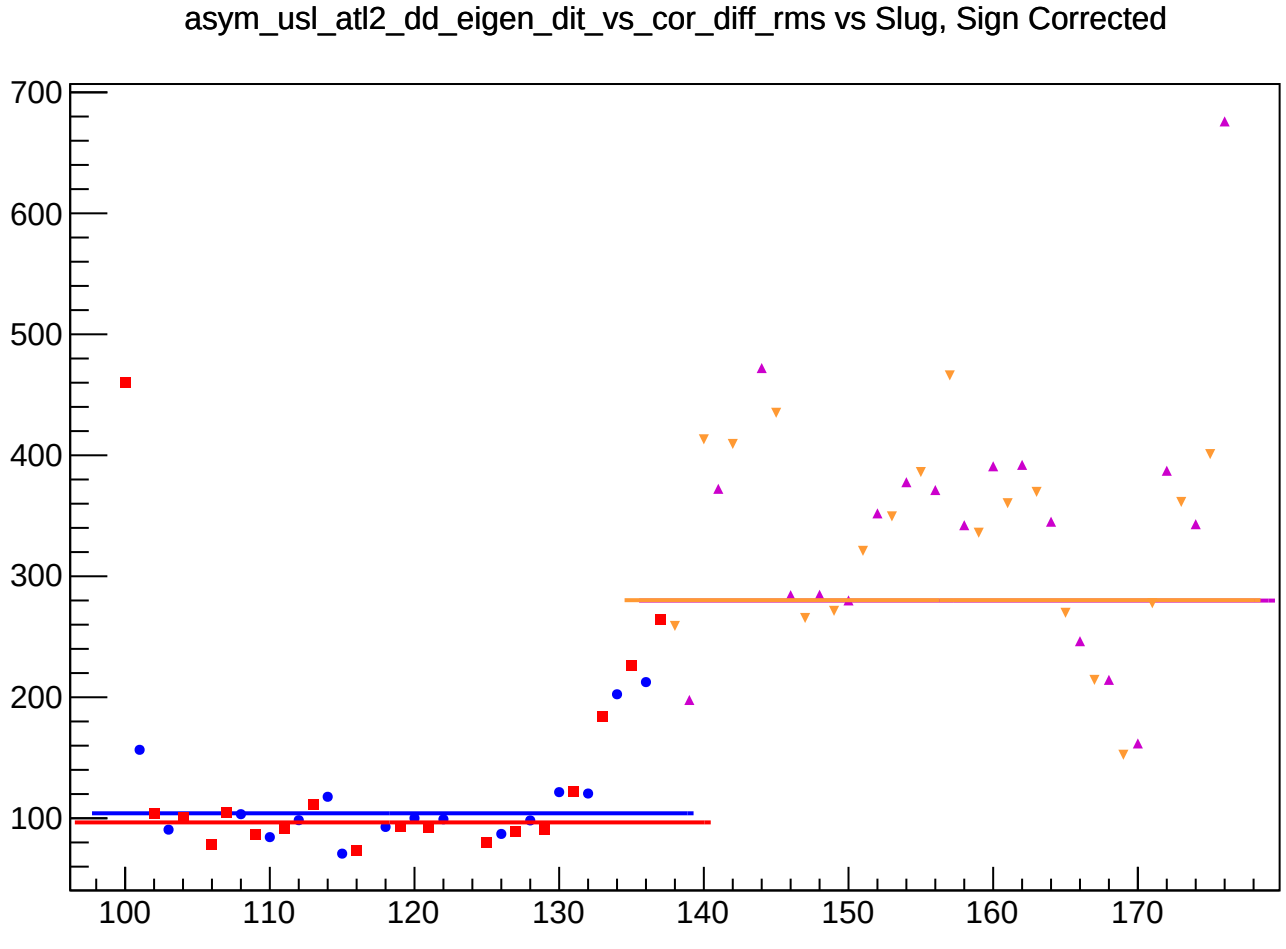
Left: 0.043+/-0.054 χ^2/NDF: 50.3/37

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

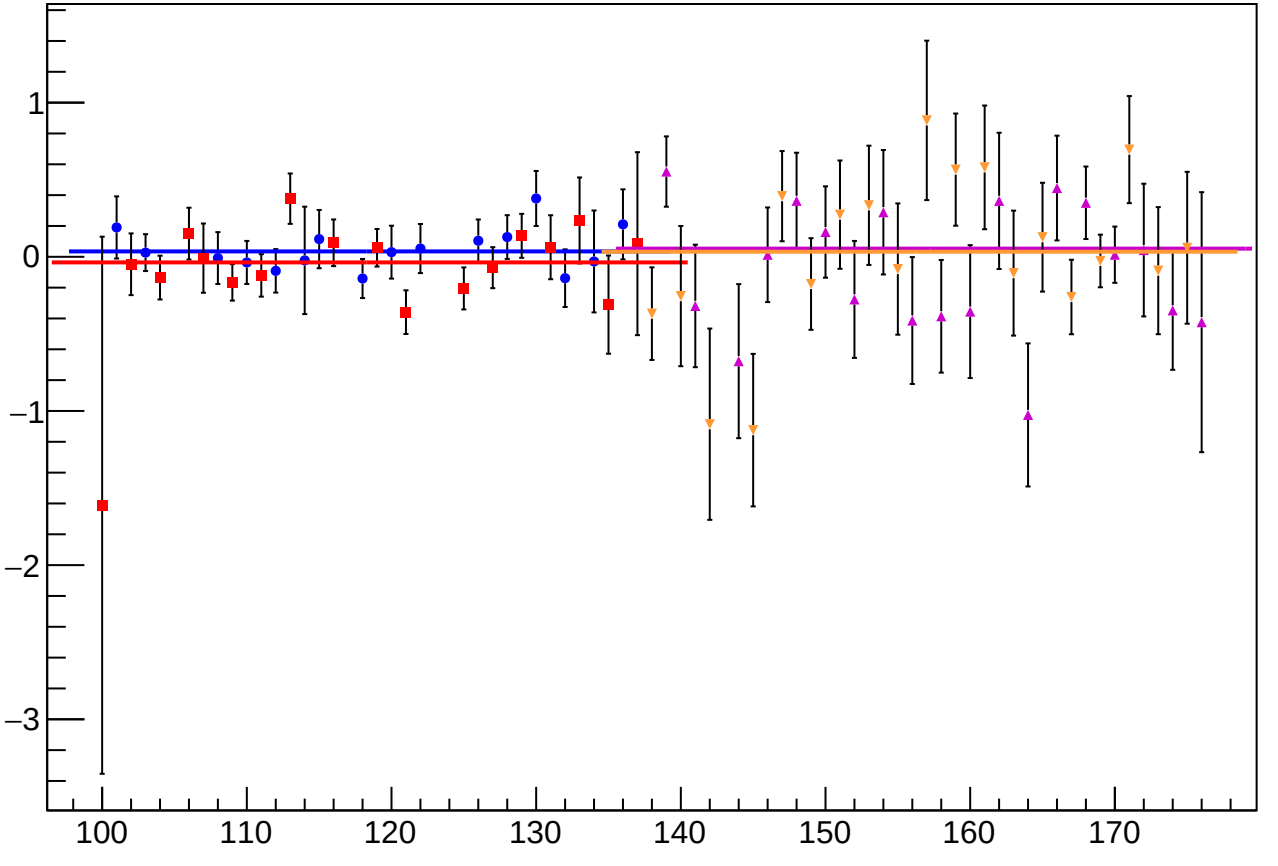
In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.007+/-0.025 χ^2/NDF: 84.3/71


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 280.239+/-0.055 χ²/NDF:2636009.1/18
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 279.916+/-0.054 χ²/NDF:2942847.0/18
Left: 280.075+/-0.038 χ²/NDF: 5578873.9/37
Right: 100.135+/-0.020 χ²/NDF: 1980754.7/33
In: 143.896+/-0.026 χ²/NDF:12244550.7/34
Out: 133.668+/-0.025 χ²/NDF:12597092.7/36
All: 138.589+/-0.018 χ²/NDF: 24924988.2/71

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: 0.033+/-0.077 χ^2/NDF:26.3/18

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

Left: 0.043+/-0.054 χ^2/NDF: 50.3/37

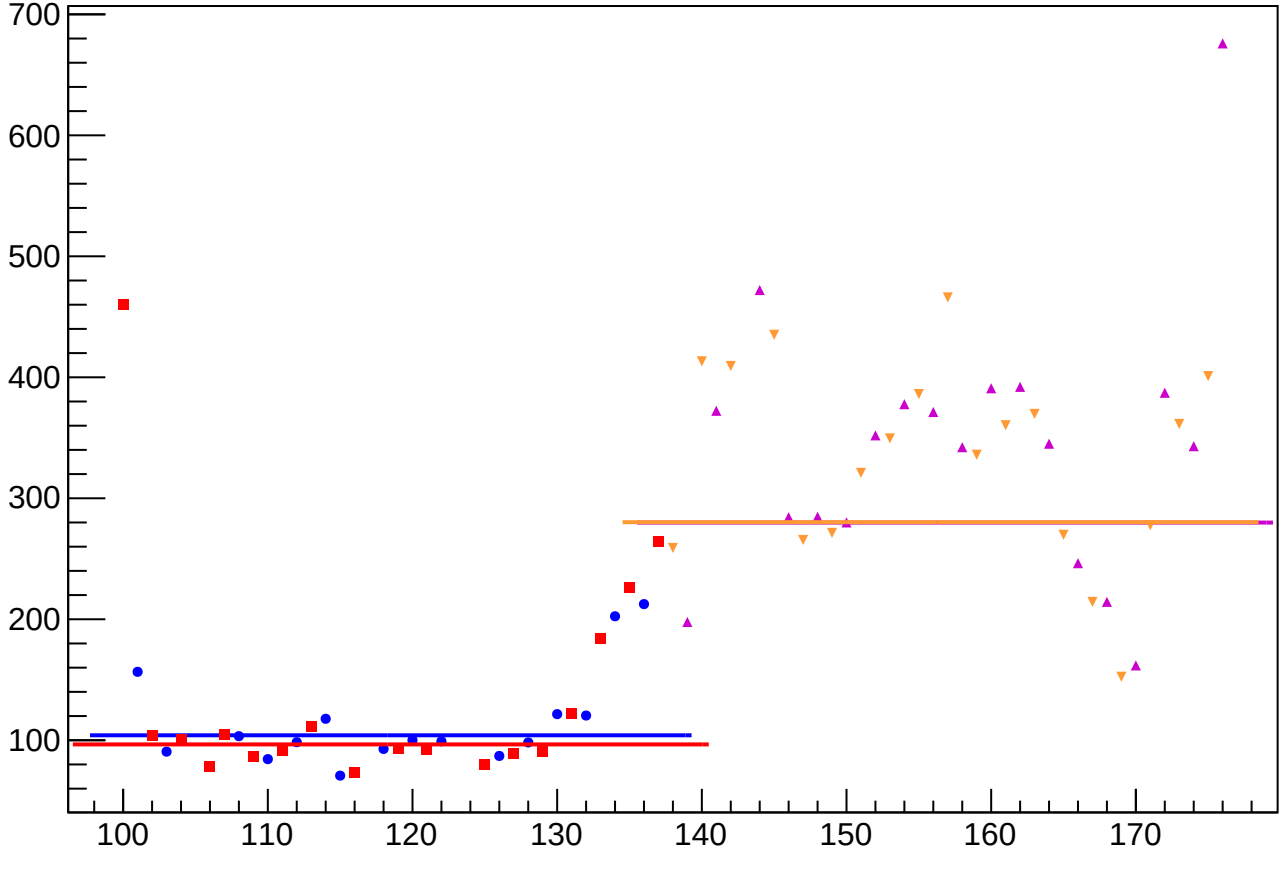
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.022+/-0.035 χ^2/NDF:49.0/36

All: 0.007+/-0.025 χ^2/NDF: 84.3/71

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: 280.239+/-0.055 χ^2/NDF:2636009.1/18

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

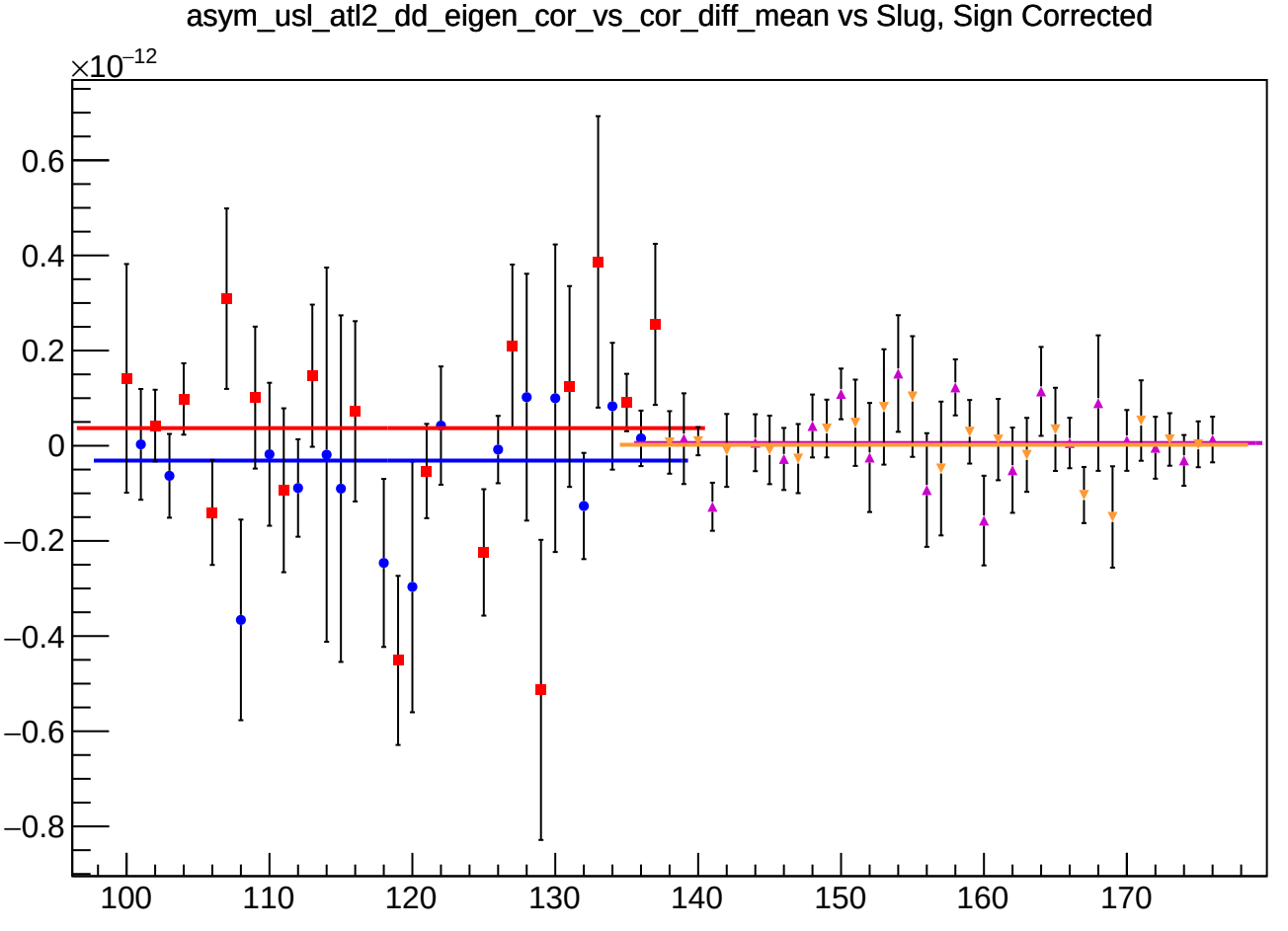
Left: 280.075+/-0.038 χ^2/NDF: 5578873.9/37

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 143.896+/-0.026 χ^2/NDF:12244550.7/34

Out: 133.668+/-0.025 χ^2/NDF:12597092.7/36

All: 138.589+/-0.018 χ^2/NDF: 24924988.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:23.1/18

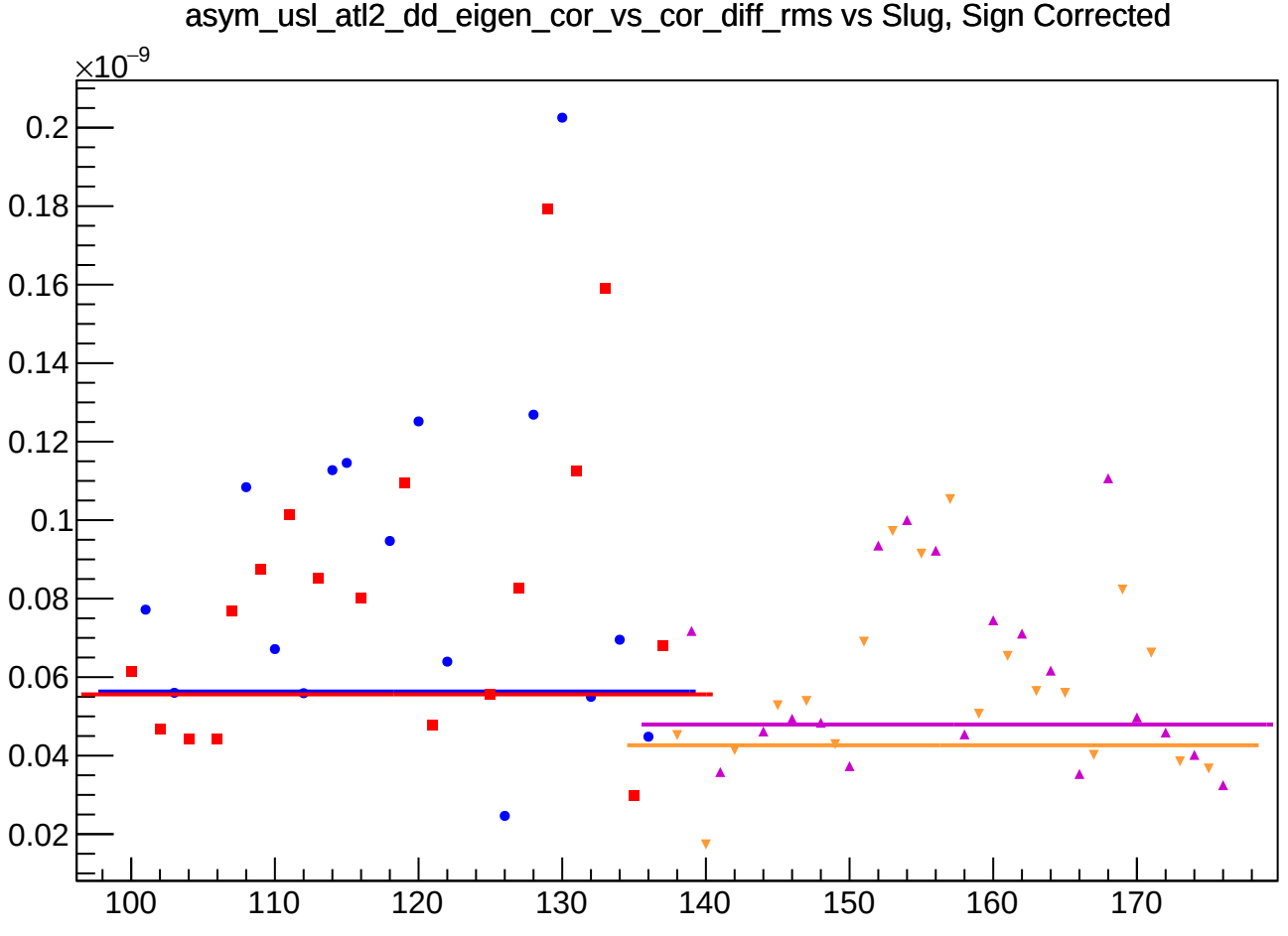
Left: 0.000+/-0.000 χ^2/NDF: 31.2/37

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:36.3/36

All: 0.000+/-0.000 χ^2/NDF: 69.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574934.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2368604.0/18

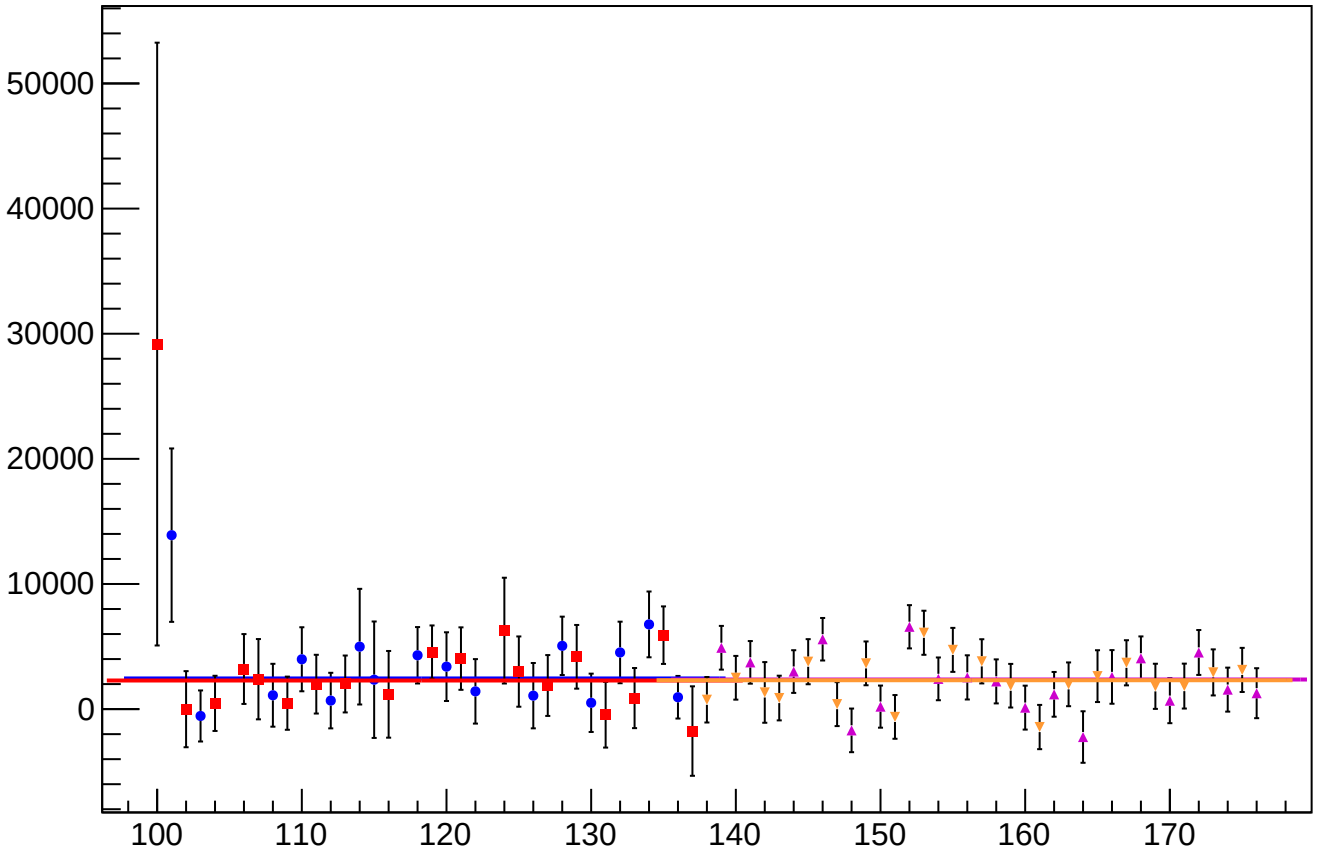
Left: 0.000+/-0.000 χ^2/NDF: 6063059.6/37

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:4077620.5/34

Out: 0.000+/-0.000 χ^2/NDF:5661712.3/36

All: 0.000+/-0.000 χ^2/NDF: 9841710.8/71



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.544+/-404.278 χ^2/NDF:19.8/19

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2365.624+/-408.993 χ^2/NDF:30.4/18

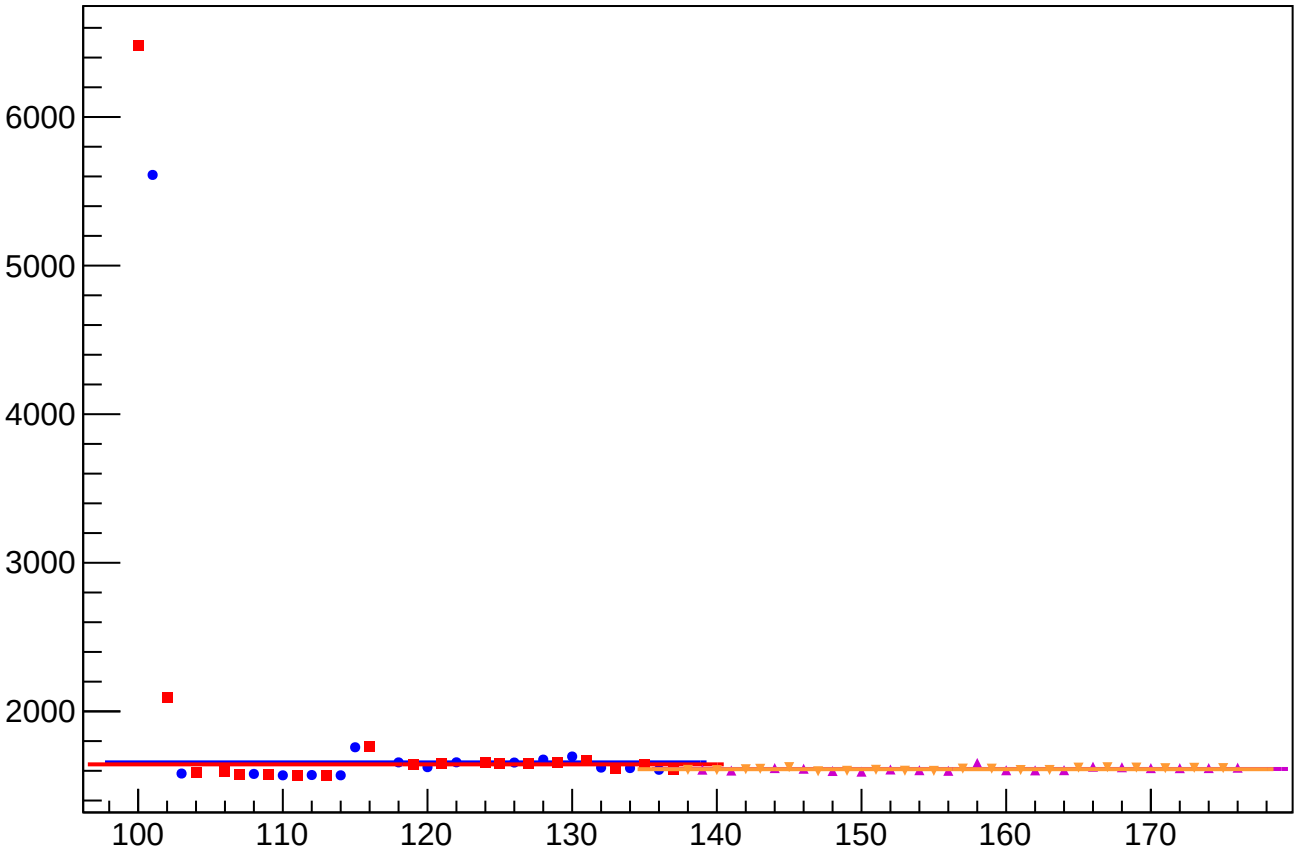
Left: 2336.753+/-287.520 χ^2/NDF: 50.2/38

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2390.615+/-343.082 χ^2/NDF:44.2/34

Out: 2301.826+/-336.845 χ^2/NDF:31.6/38

All: 2345.406+/-240.360 χ^2/NDF: 75.9/73



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

Left: 1611.605+/-0.203 χ^2/NDF: 3026.5/38

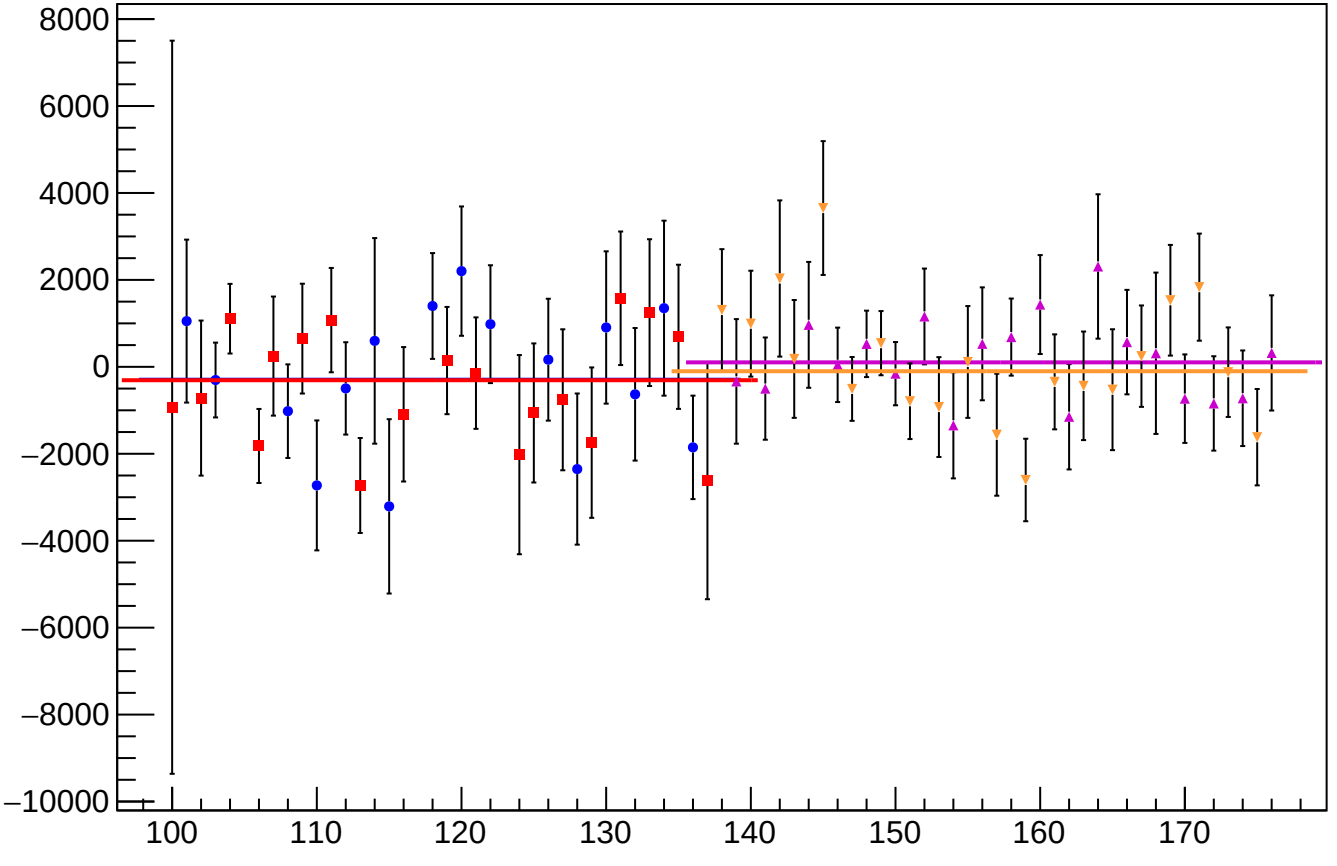
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.489+/-0.243 χ^2/NDF:675277.1/34

Out: 1620.830+/-0.238 χ^2/NDF:141888.9/38

All: 1623.117+/-0.170 χ^2/NDF: 817353.8/73

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -101.148+/-248.320 χ^2/NDF:25.8/19

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 102.993+/-249.817 χ^2/NDF:10.4/18

Left: 0.309+/-176.116 χ^2/NDF: 36.5/38

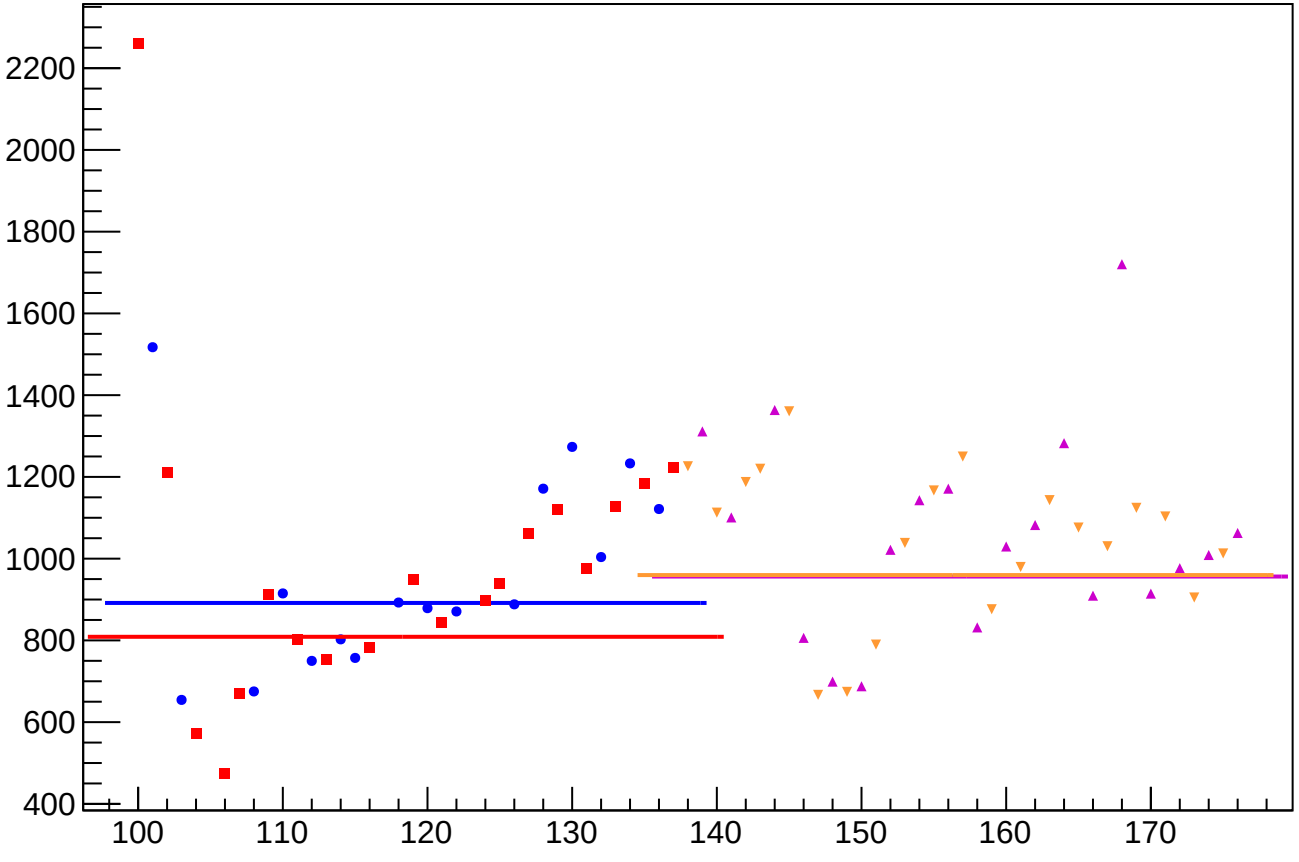
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -35.226+/-202.023 χ^2/NDF:27.2/34

Out: -180.931+/-194.529 χ^2/NDF:44.8/38

All: -110.831+/-140.127 χ^2/NDF: 72.3/73

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 959.819+/-0.176 χ^2/NDF:1337983.0/19

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 956.239+/-0.177 χ^2/NDF:1490707.5/18

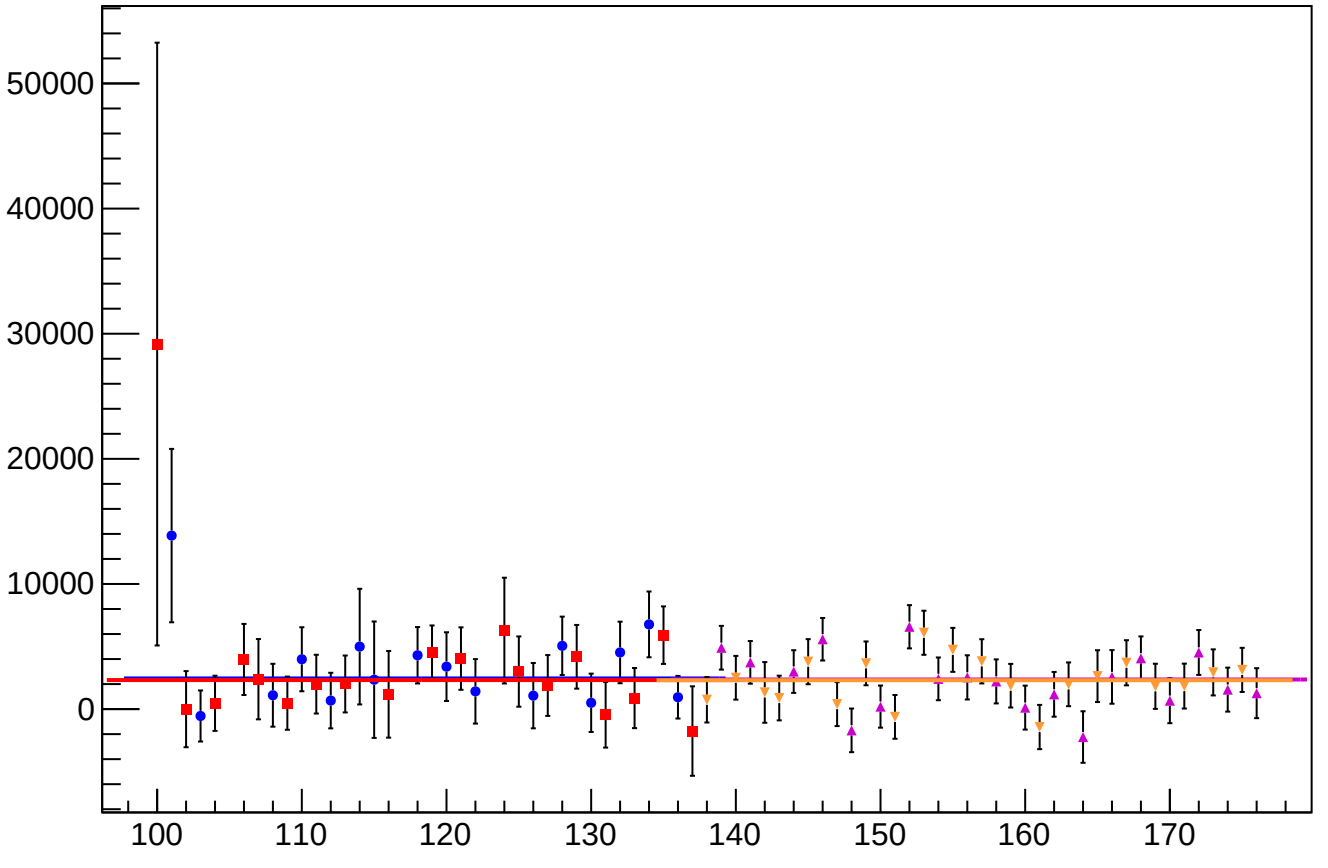
Left: 958.040+/-0.125 χ^2/NDF: 2828897.1/38

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 933.883+/-0.143 χ^2/NDF:2330889.5/34

Out: 901.481+/-0.138 χ^2/NDF:2707557.9/38

All: 917.070+/-0.099 χ^2/NDF: 5065143.6/73



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2365.647+/-408.993 χ^2/NDF:30.4/18

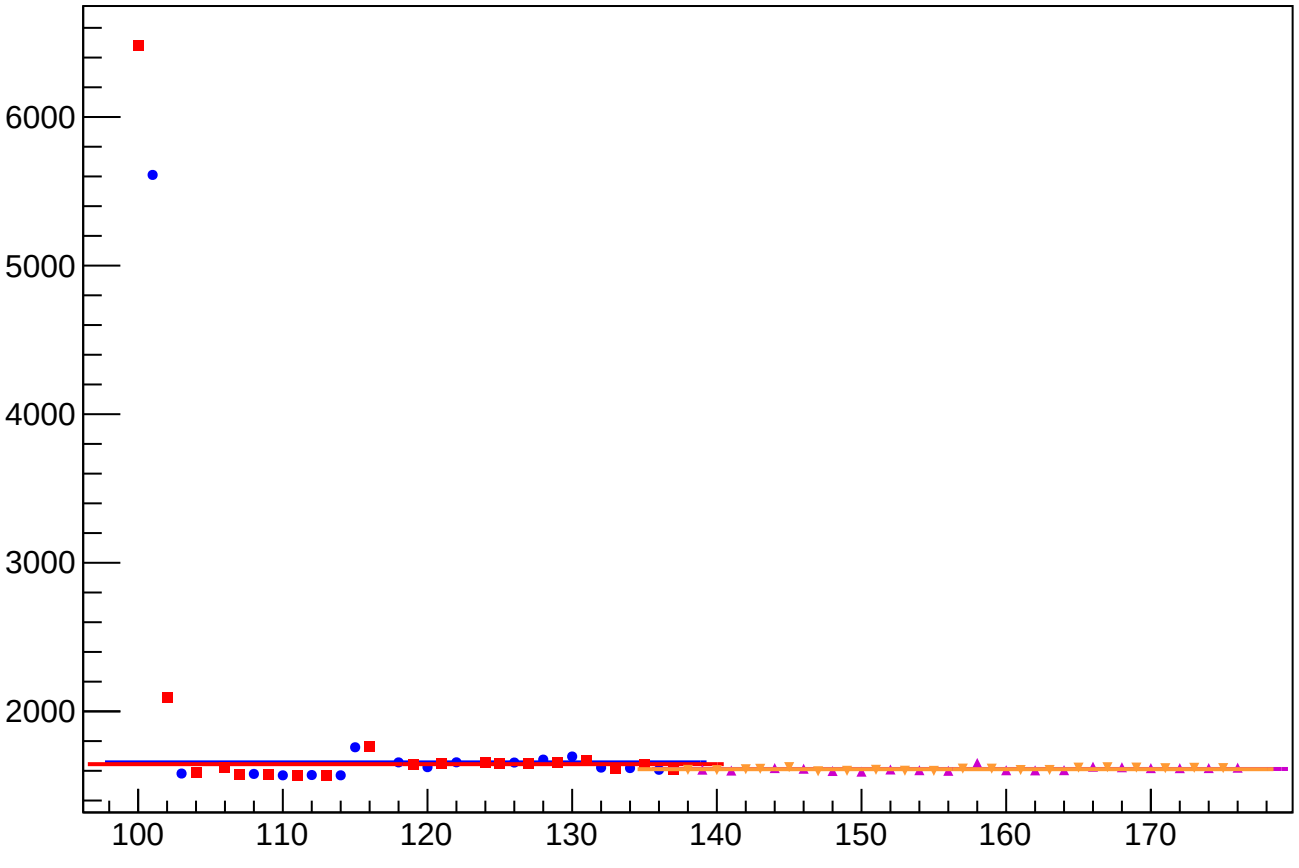
Left: 2336.757+/-287.520 χ^2/NDF: 50.2/38

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2390.466+/-343.082 χ^2/NDF:44.2/34

Out: 2312.209+/-336.930 χ^2/NDF:31.8/38

All: 2350.629+/-240.391 χ^2/NDF: 76.1/73



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

Left: 1611.605+/-0.203 χ^2/NDF: 3026.5/38

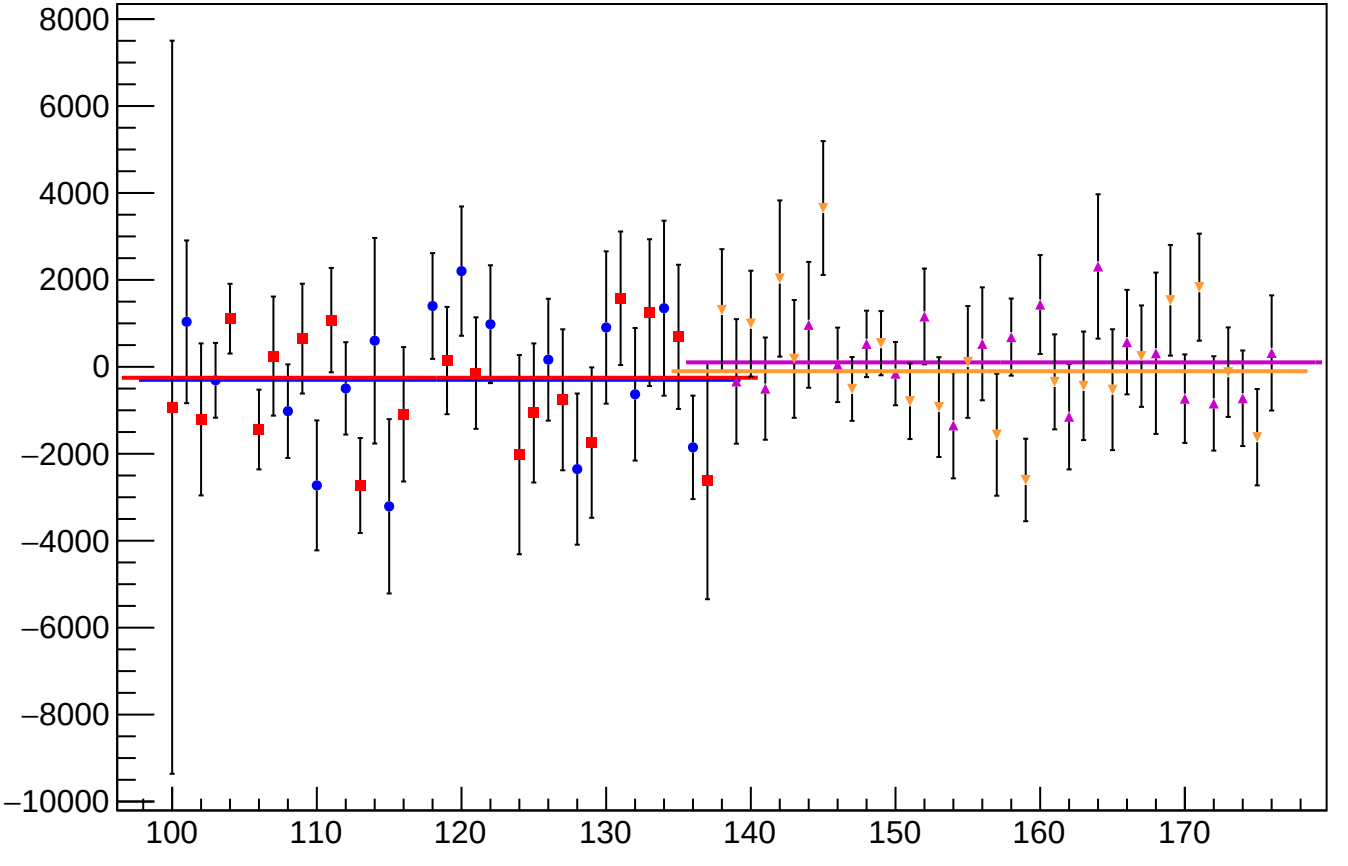
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.489+/-0.243 χ^2/NDF:675276.7/34

Out: 1621.217+/-0.238 χ^2/NDF:141692.9/38

All: 1623.314+/-0.170 χ^2/NDF: 817127.5/73

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 103.028+/-249.818 χ^2/NDF:10.4/18

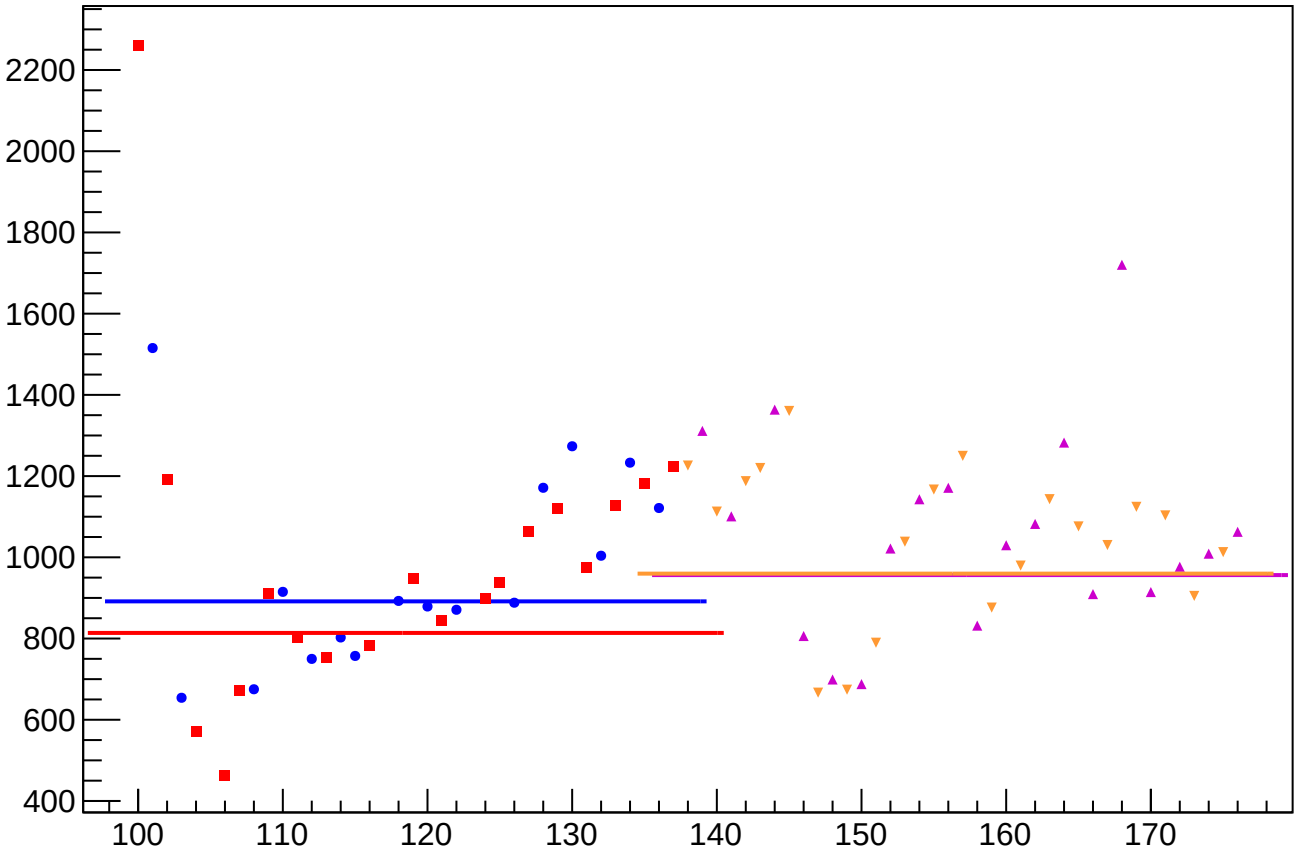
Left: 0.292+/-176.115 χ^2/NDF: 36.5/38

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -35.692+/-202.015 χ^2/NDF:27.2/34

Out: -158.541+/-195.188 χ^2/NDF:43.2/38

All: -99.227+/-140.370 χ^2/NDF: 70.6/73



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 959.810+/-0.176 χ^2/NDF:1338075.9/19

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

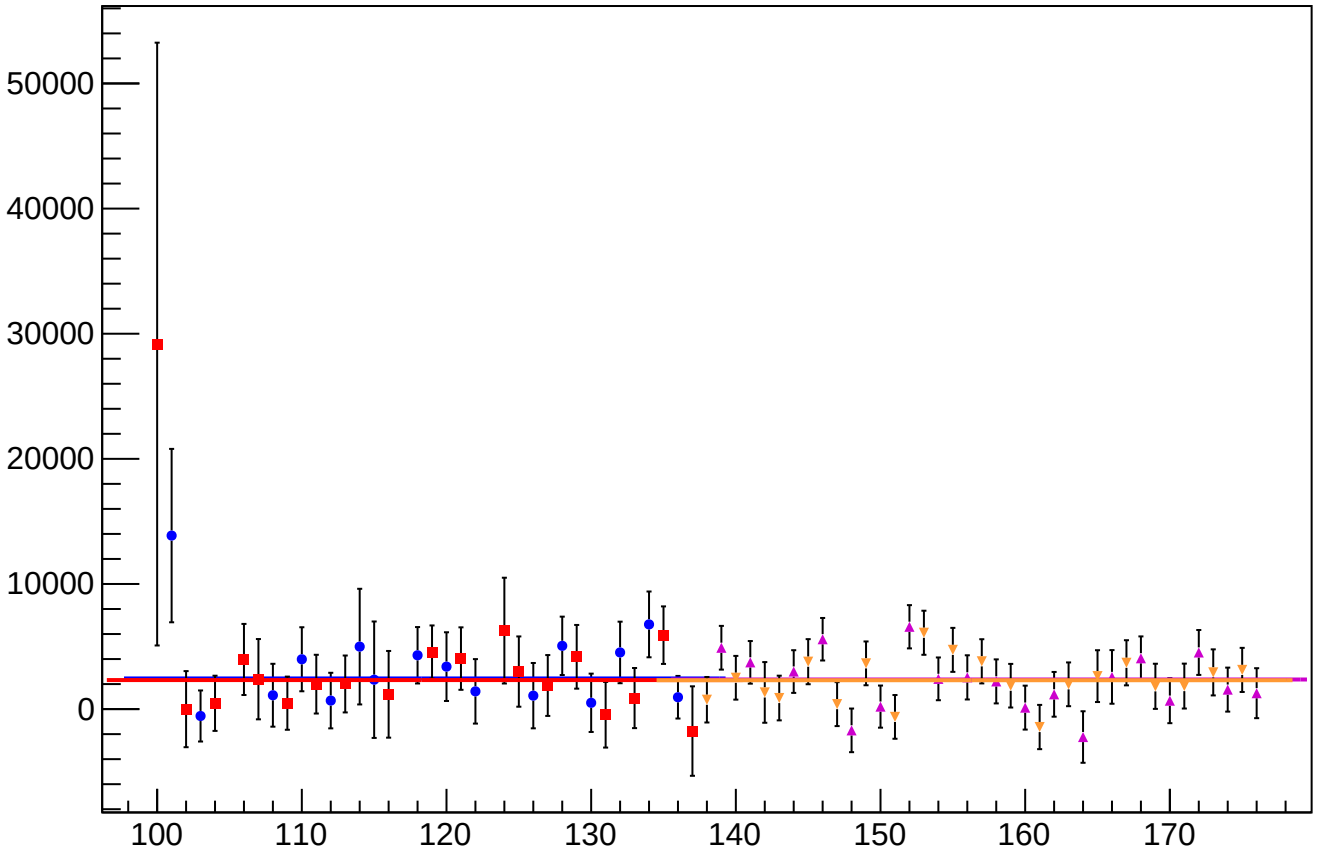
Left: 958.038+/-0.125 χ^2/NDF: 2828939.4/38

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 933.848+/-0.143 χ^2/NDF:2330759.7/34

Out: 904.017+/-0.138 χ^2/NDF:2655283.6/38

All: 918.420+/-0.099 χ^2/NDF: 5008599.2/73



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2308.530+/-404.278 χ^2/NDF:19.8/19

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2365.647+/-408.993 χ^2/NDF:30.4/18

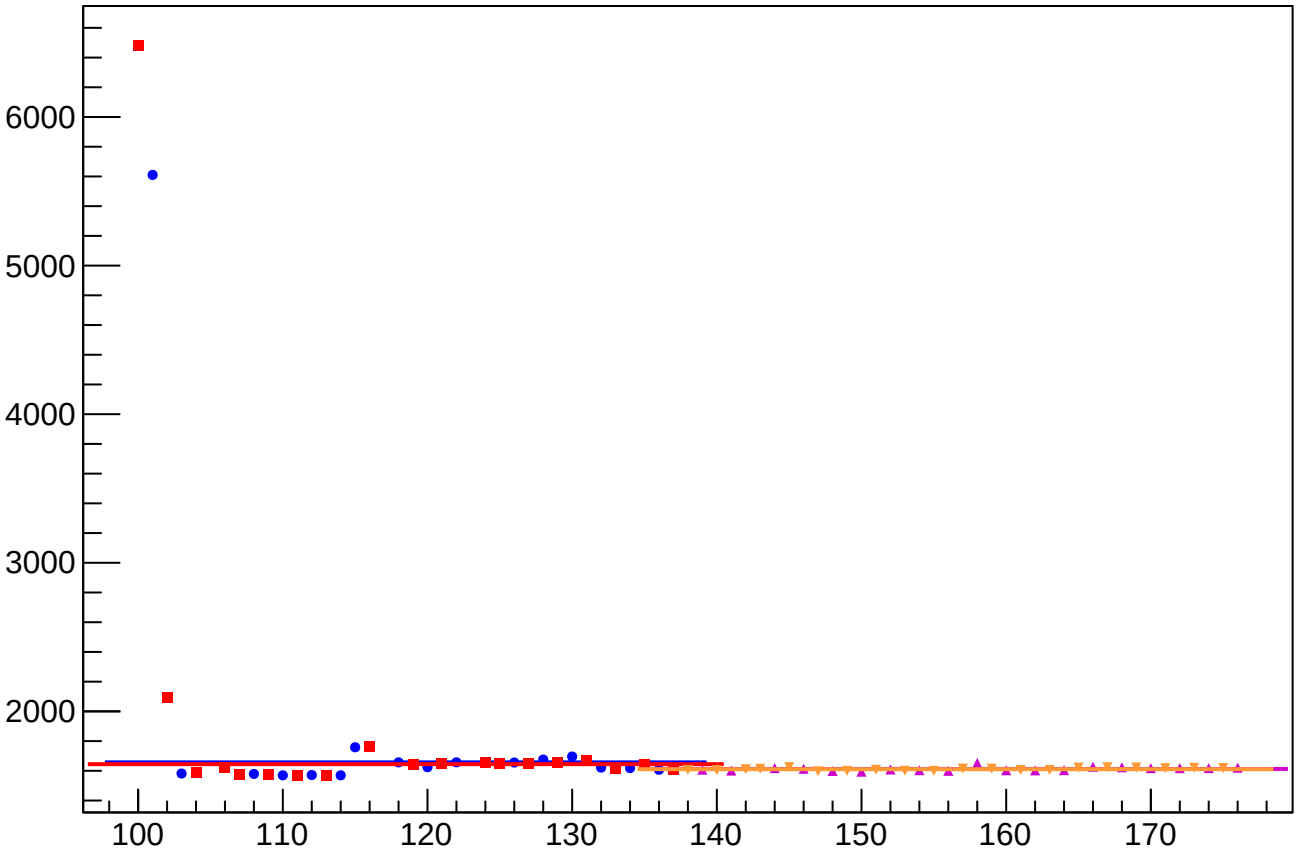
Left: 2336.757+/-287.520 χ^2/NDF: 50.2/38

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2390.466+/-343.082 χ^2/NDF:44.2/34

Out: 2312.209+/-336.930 χ^2/NDF:31.8/38

All: 2350.629+/-240.391 χ^2/NDF: 76.1/73



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.876+/-0.286 χ^2/NDF:925.7/19

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

Left: 1611.605+/-0.203 χ^2/NDF: 3026.5/38

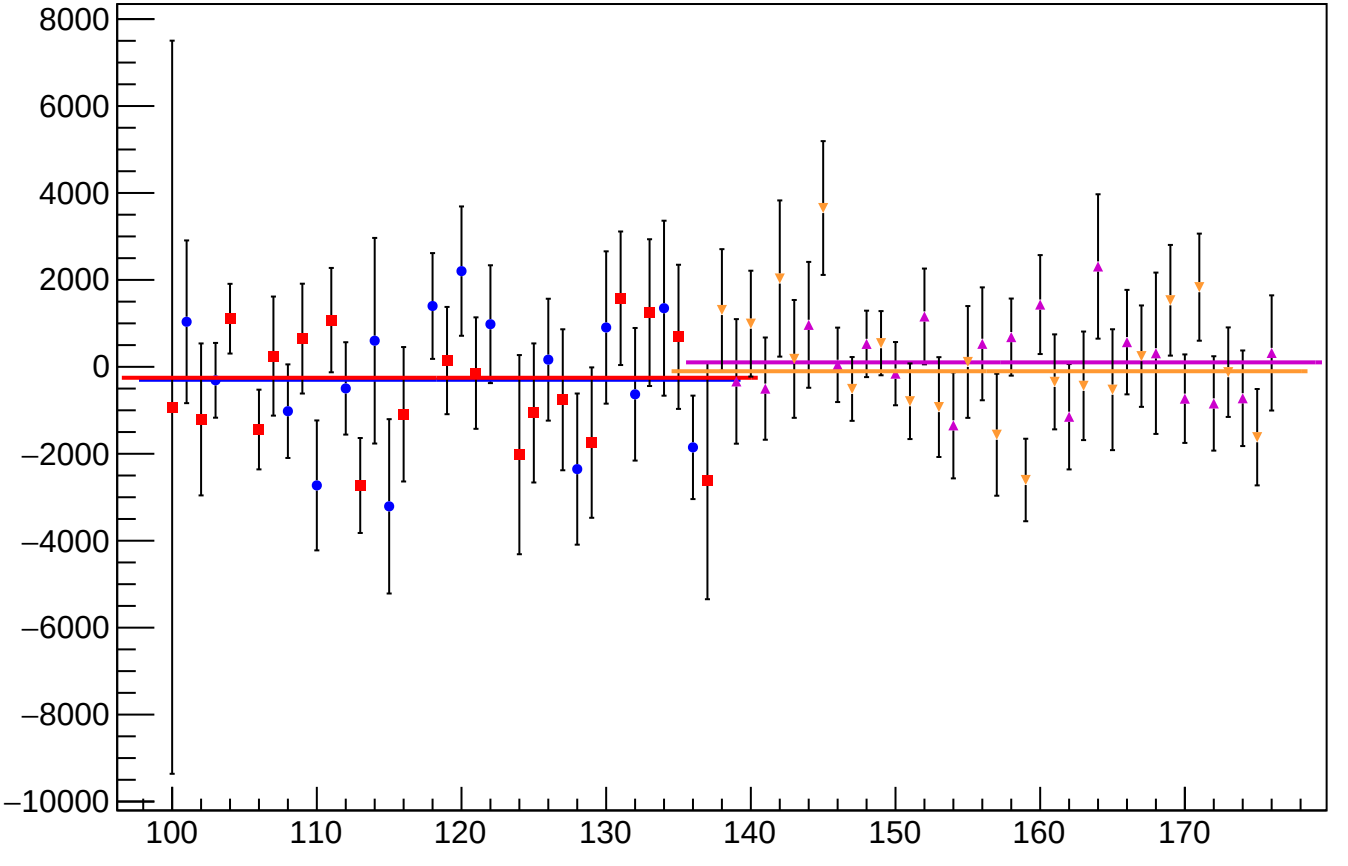
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.489+/-0.243 χ^2/NDF:675276.7/34

Out: 1621.217+/-0.238 χ^2/NDF:141692.9/38

All: 1623.314+/-0.170 χ^2/NDF: 817127.5/73

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -101.213+/-248.318 χ^2/NDF:25.8/19

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 103.028+/-249.818 χ^2/NDF:10.4/18

Left: 0.292+/-176.115 χ^2/NDF: 36.5/38

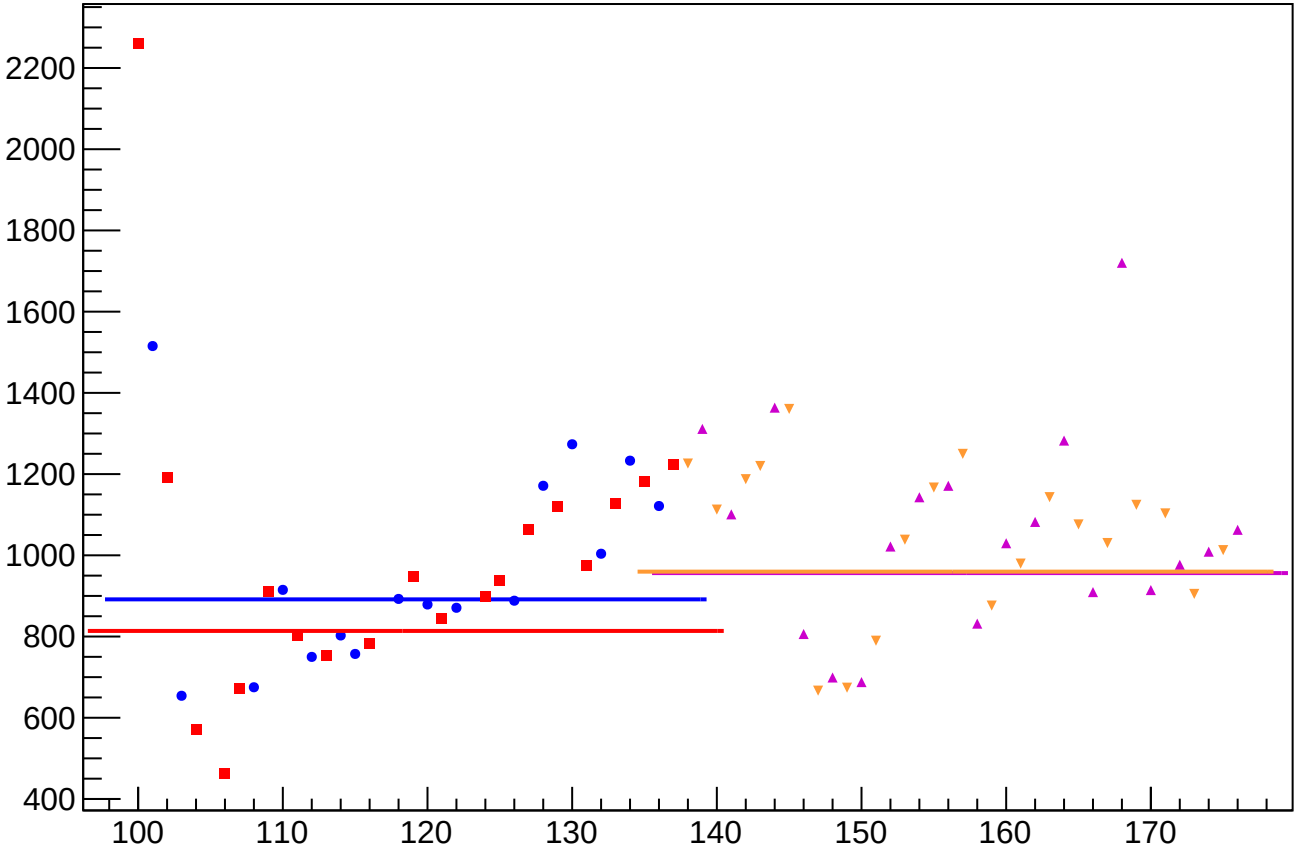
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -35.692+/-202.015 χ^2/NDF:27.2/34

Out: -158.541+/-195.188 χ^2/NDF:43.2/38

All: -99.227+/-140.370 χ^2/NDF: 70.6/73

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: 959.810+/-0.176 χ^2/NDF:1338075.9/19

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

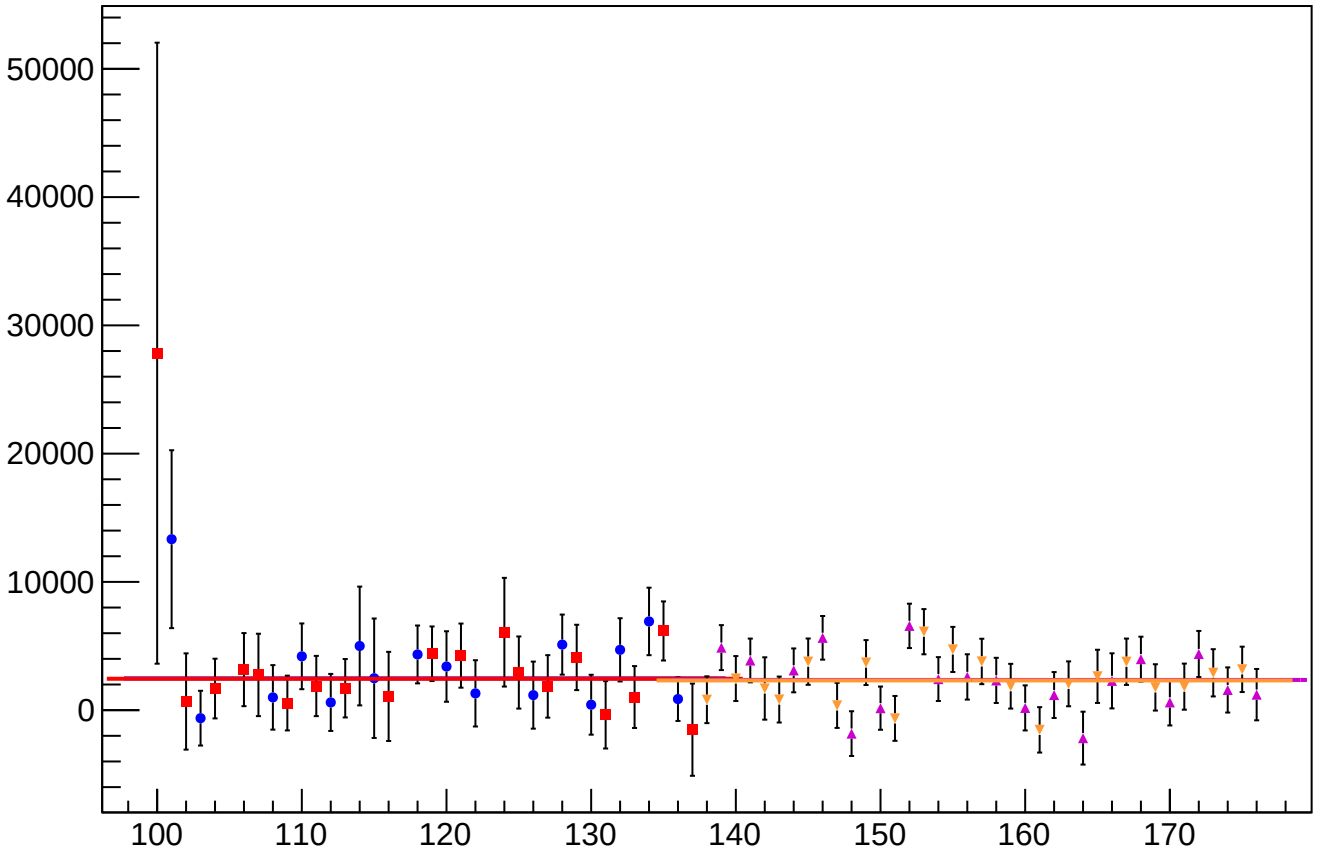
Left: 958.038+/-0.125 χ^2/NDF: 2828939.4/38

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 933.848+/-0.143 χ^2/NDF:2330759.7/34

Out: 904.017+/-0.138 χ^2/NDF:2655283.6/38

All: 918.420+/-0.099 χ^2/NDF: 5008599.2/73



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.266+/-404.909 χ^2/NDF:20.1/19

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2356.869+/-409.539 χ^2/NDF:30.6/18

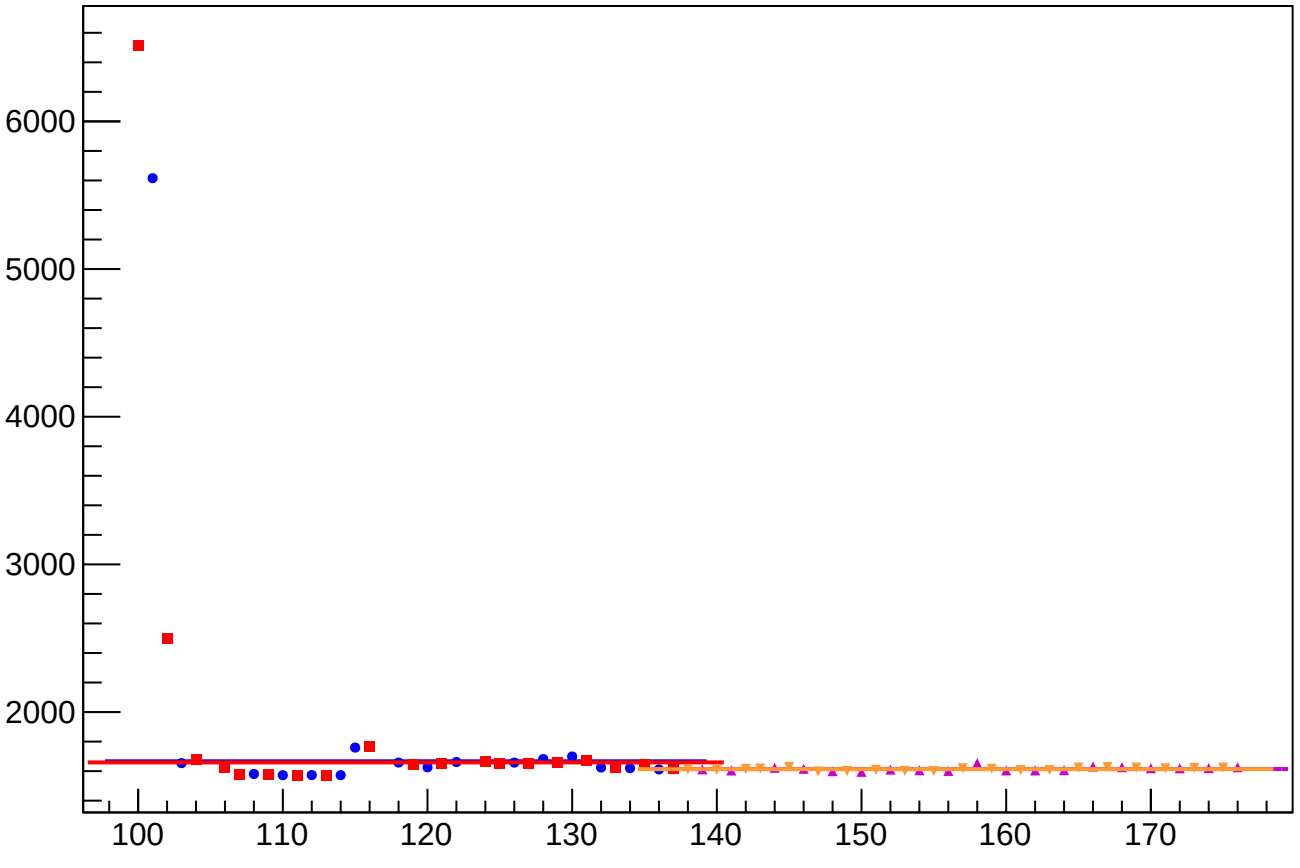
Left: 2336.842+/-287.937 χ^2/NDF: 50.7/38

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.726+/-343.987 χ^2/NDF:44.8/34

Out: 2356.889+/-338.610 χ^2/NDF:30.7/38

All: 2374.033+/-241.312 χ^2/NDF: 75.5/73



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

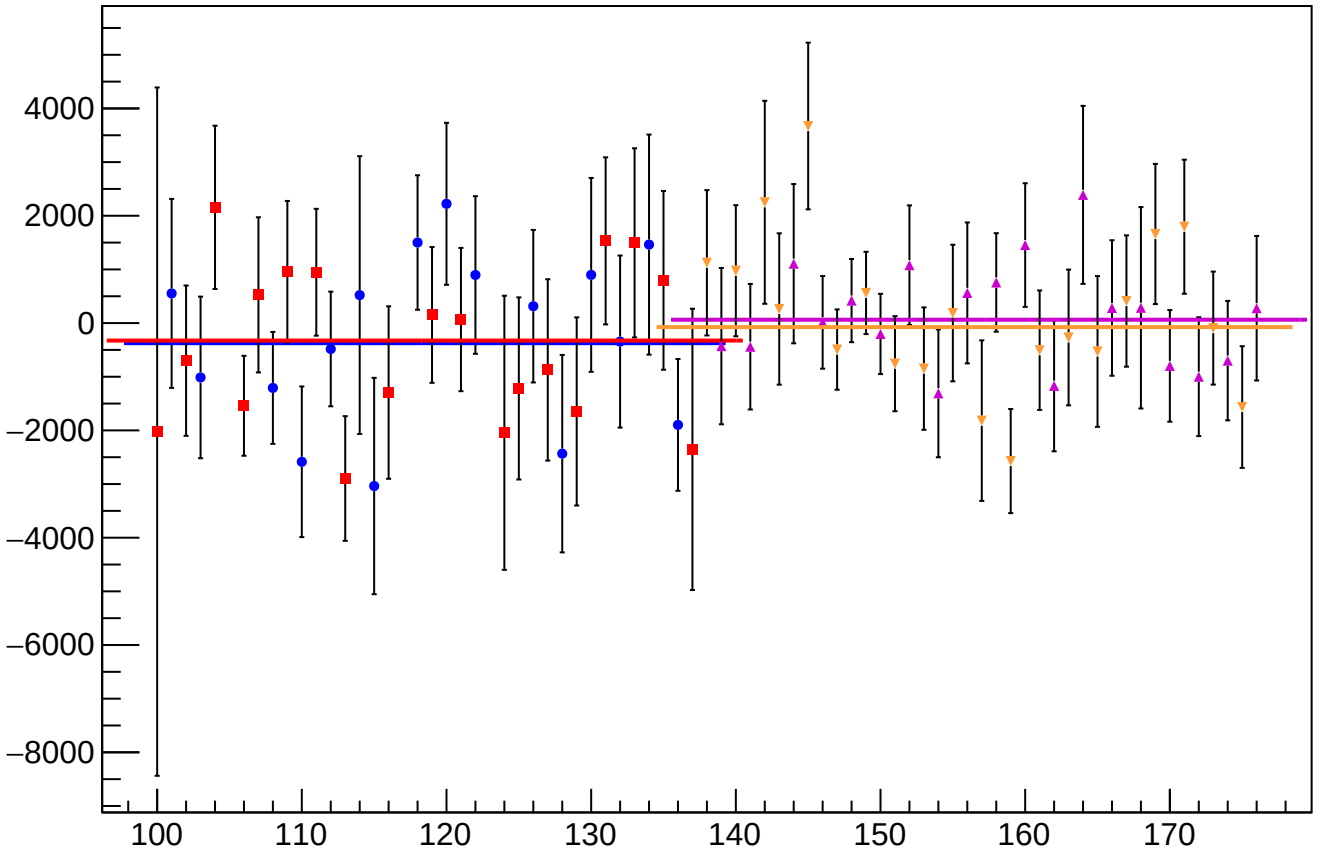
Left: 1613.929+/-0.204 χ^2/NDF: 3247.1/38

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.778+/-0.243 χ^2/NDF:674562.4/34

Out: 1627.097+/-0.239 χ^2/NDF:201913.3/38

All: 1628.416+/-0.171 χ^2/NDF: 876537.4/73



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -74.926+/-253.367 χ^2/NDF:25.2/19

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 62.572+/-253.774 χ^2/NDF:10.6/18

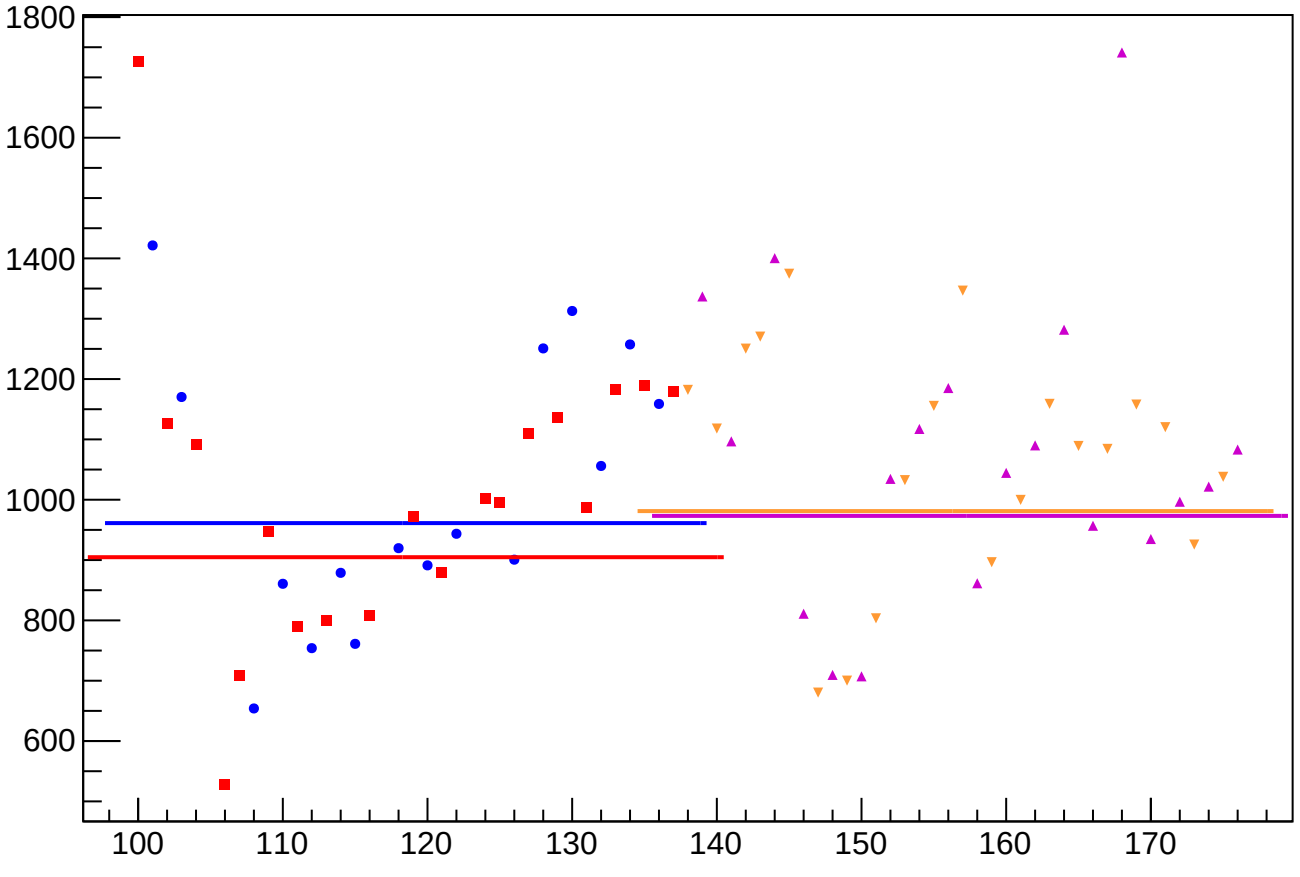
Left: -6.287+/-179.301 χ^2/NDF: 35.9/38

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -78.349+/-208.905 χ^2/NDF:27.3/34

Out: -164.243+/-203.293 χ^2/NDF:42.9/38

All: -122.465+/-145.693 χ^2/NDF: 70.3/73



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.142+/-0.179 χ^2/NDF:1308287.1/19

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 973.206+/-0.179 χ^2/NDF:1435957.9/18

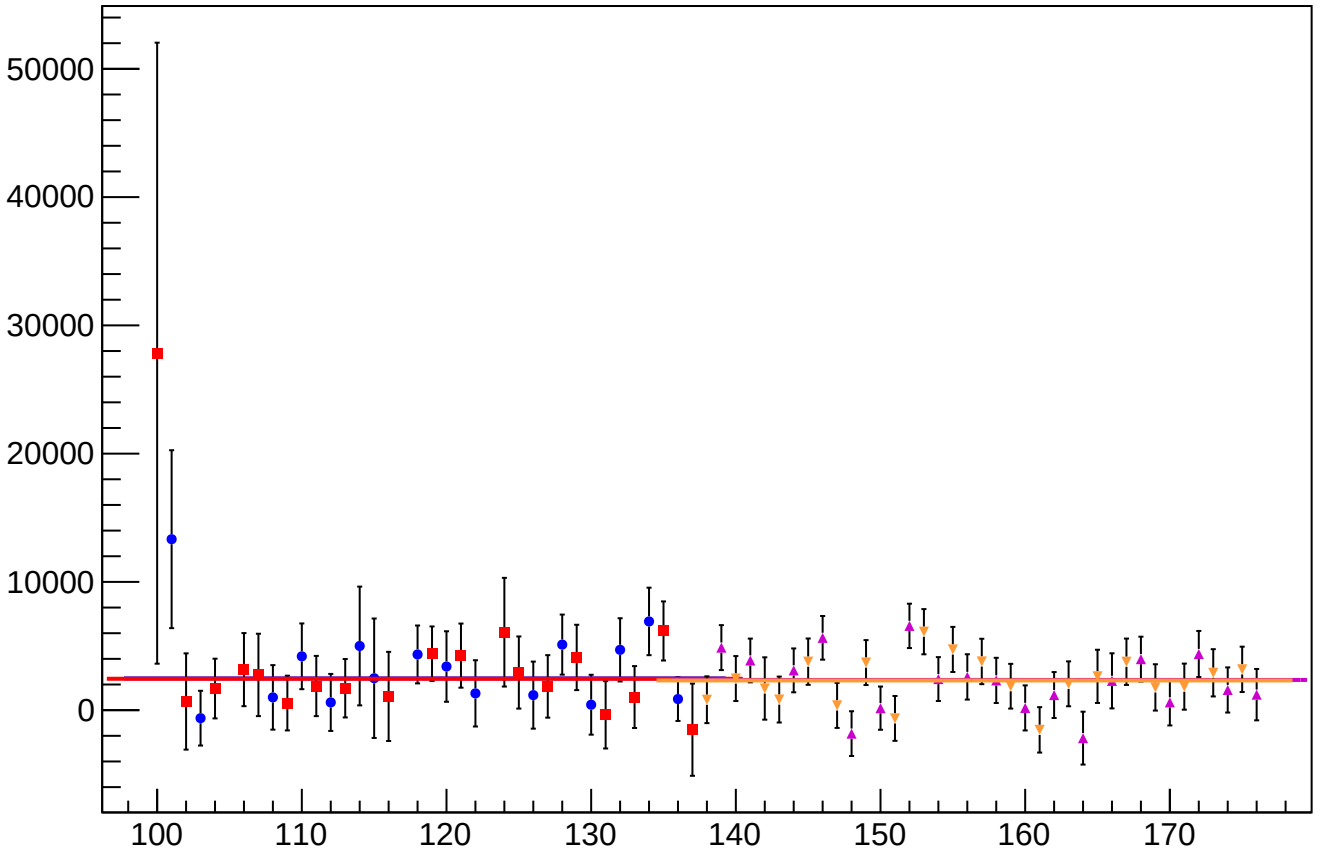
Left: 977.181+/-0.127 χ^2/NDF: 2745224.6/38

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 969.350+/-0.148 χ^2/NDF:2129266.1/34

Out: 953.926+/-0.144 χ^2/NDF:2109558.9/38

All: 961.428+/-0.103 χ^2/NDF: 4244424.6/73



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2317.265+/-404.909 χ^2/NDF:20.1/19

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2356.869+/-409.539 χ^2/NDF:30.6/18

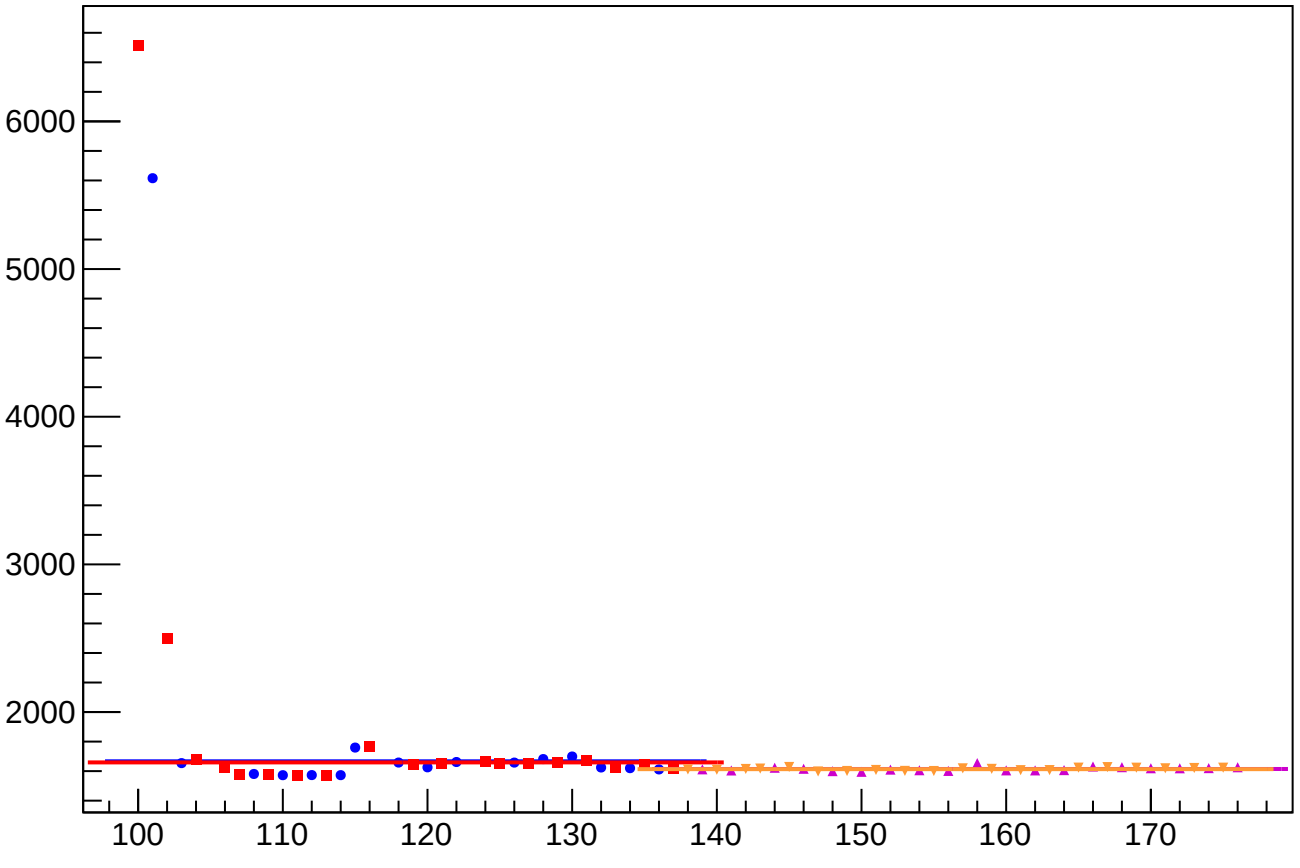
Left: 2336.842+/-287.937 χ^2/NDF: 50.7/38

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.726+/-343.987 χ^2/NDF:44.8/34

Out: 2356.889+/-338.610 χ^2/NDF:30.7/38

All: 2374.033+/-241.312 χ^2/NDF: 75.5/73



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1613.379+/-0.286 χ^2/NDF:1054.6/19

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

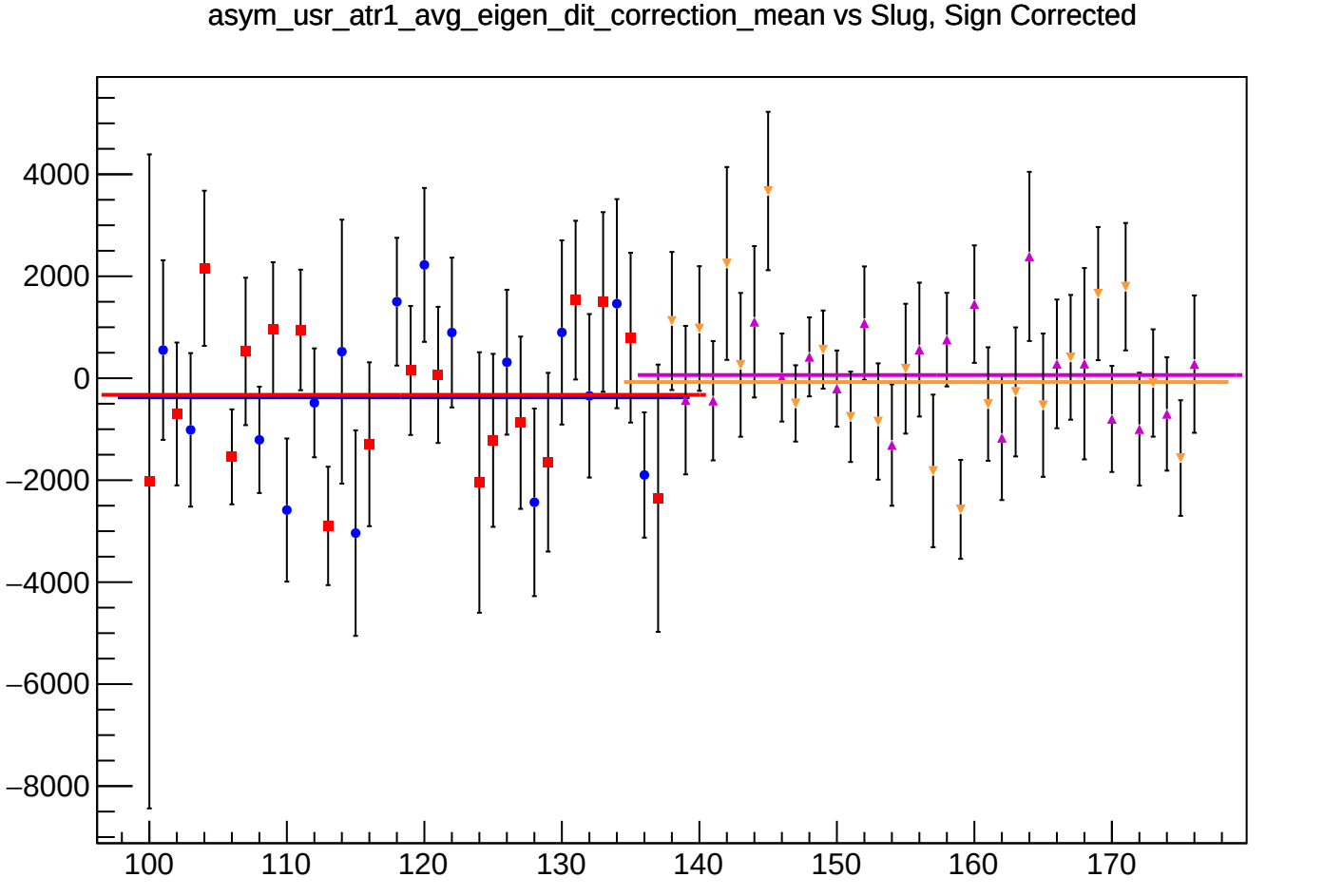
Left: 1613.929+/-0.204 χ^2/NDF: 3247.1/38

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.778+/-0.243 χ^2/NDF:674562.4/34

Out: 1627.097+/-0.239 χ^2/NDF:201913.1/38

All: 1628.416+/-0.171 χ^2/NDF: 876537.2/73



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -74.927+/-253.367 χ^2/NDF:25.2/19

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 62.573+/-253.774 χ^2/NDF:10.6/18

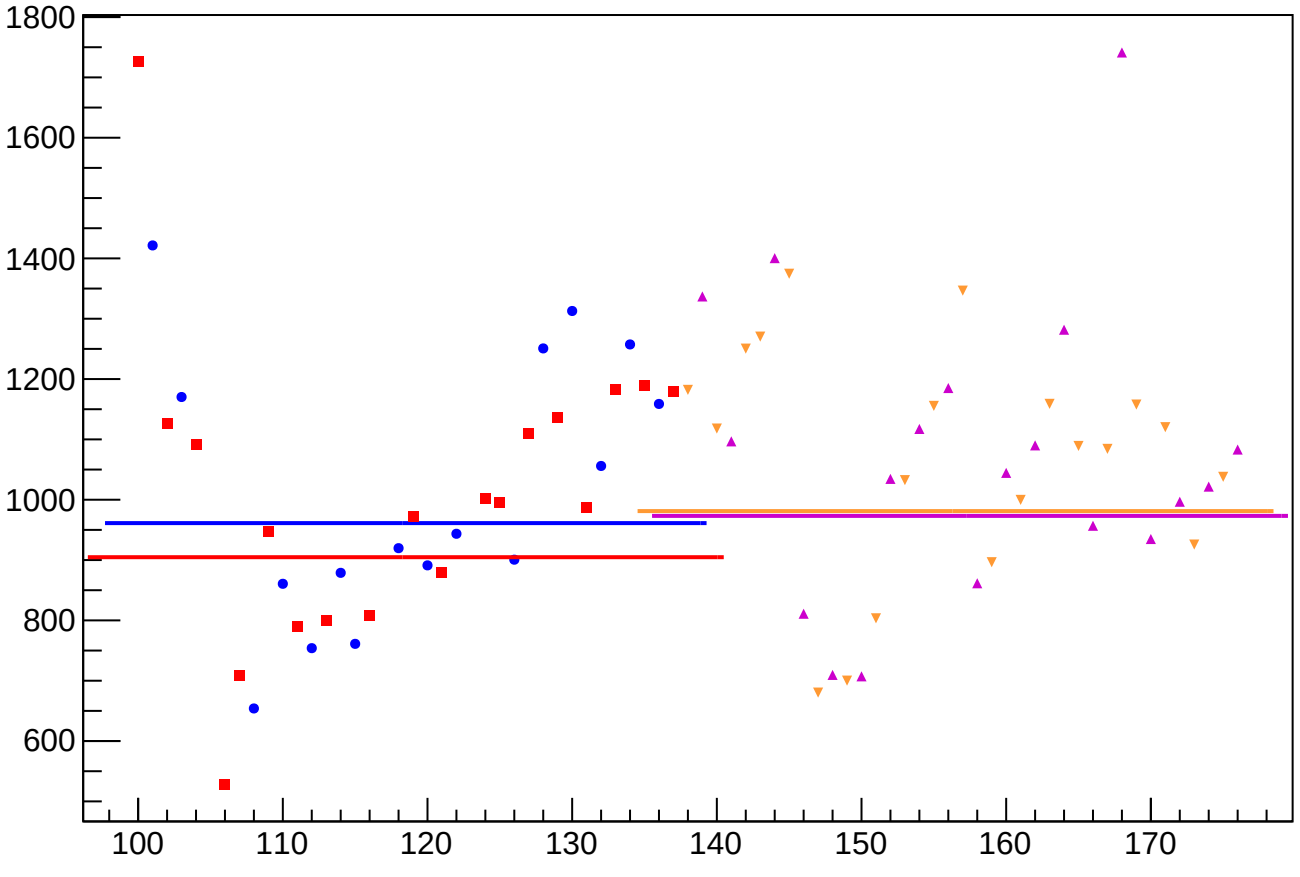
Left: -6.288+/-179.301 χ^2/NDF: 35.9/38

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -78.349+/-208.905 χ^2/NDF:27.3/34

Out: -164.244+/-203.293 χ^2/NDF:42.9/38

All: -122.466+/-145.693 χ^2/NDF: 70.3/73



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.144+/-0.179 χ^2/NDF:1308290.3/19

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 973.208+/-0.179 χ^2/NDF:1435961.2/18

Left: 977.183+/-0.127 χ^2/NDF: 2745231.0/38

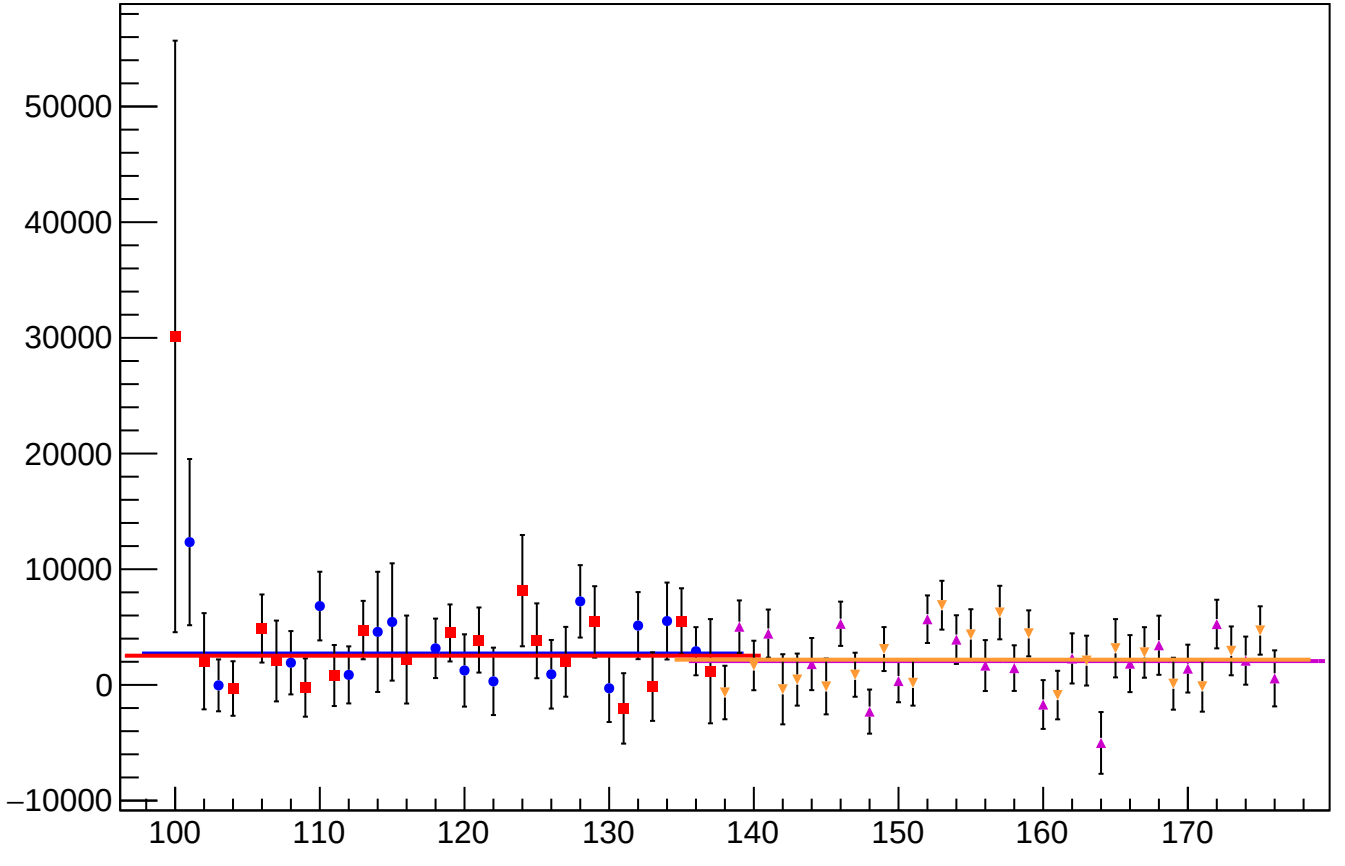
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 969.350+/-0.148 χ^2/NDF:2129278.9/34

Out: 953.926+/-0.144 χ^2/NDF:2109567.4/38

All: 961.428+/-0.103 χ^2/NDF: 4244445.7/73

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2181.014+/-485.783 χ^2/NDF:21.8/19

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2058.873+/-490.813 χ^2/NDF:29.3/18

Left: 2120.572+/-345.265 χ^2/NDF: 51.2/38

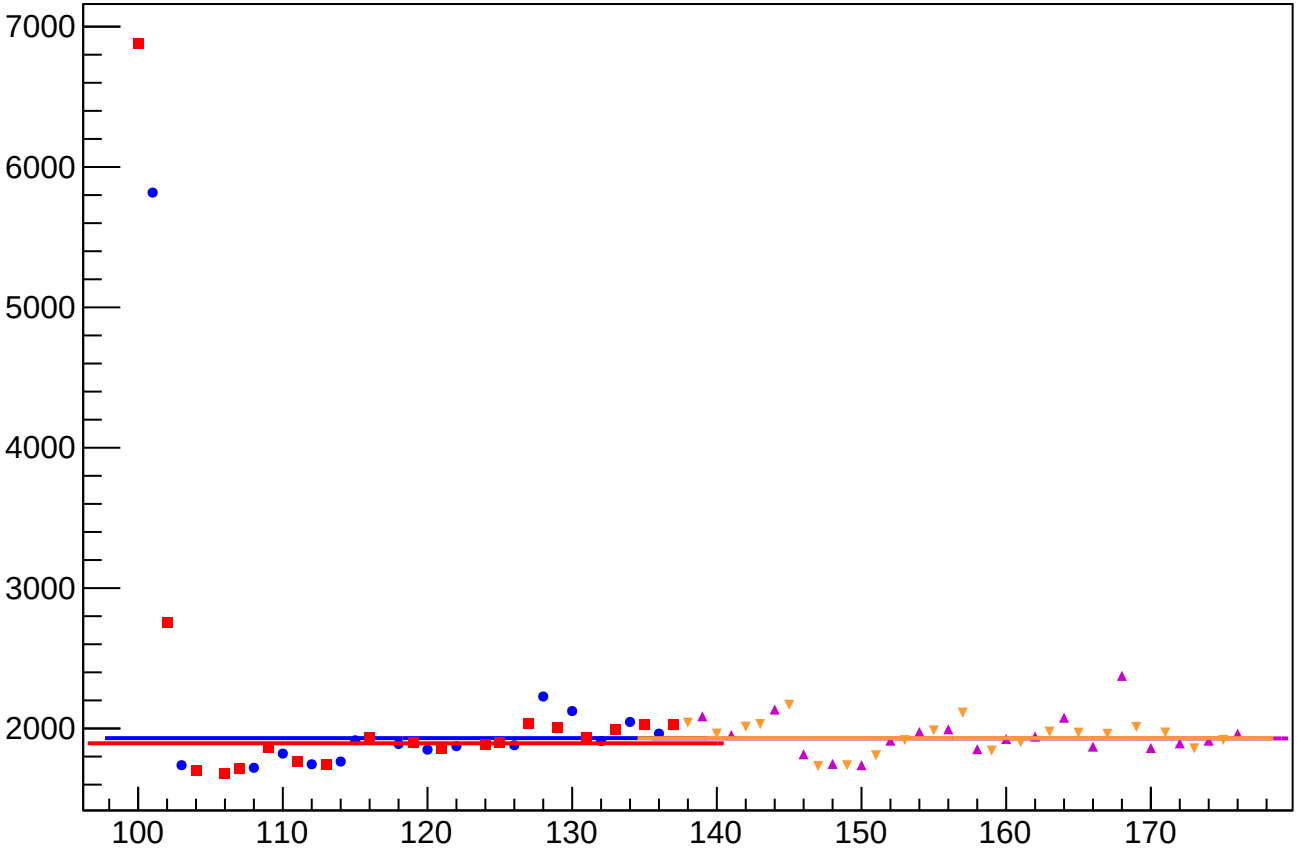
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2260.076+/-408.188 χ^2/NDF:42.0/34

Out: 2291.621+/-400.279 χ^2/NDF:35.2/38

All: 2276.157+/-285.795 χ^2/NDF: 77.2/73

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.569+/-0.344 χ^2/NDF:105523.7/19

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1929.160+/-0.347 χ^2/NDF:150409.0/18

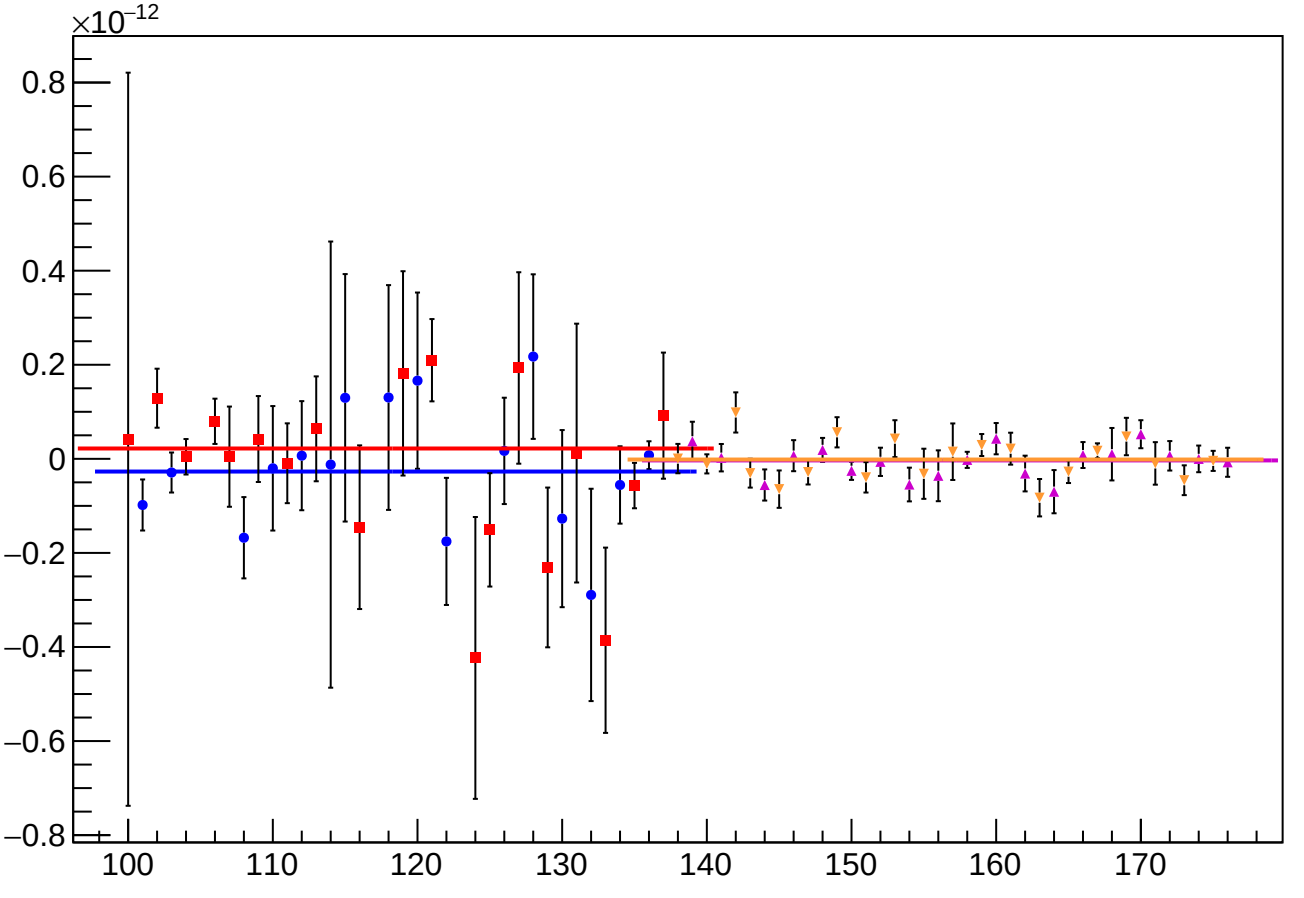
Left: 1929.872+/-0.244 χ^2/NDF: 255941.0/38

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.804+/-0.289 χ^2/NDF:811647.2/34

Out: 1918.940+/-0.283 χ^2/NDF:329634.3/38

All: 1924.266+/-0.202 χ^2/NDF: 1142003.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/18

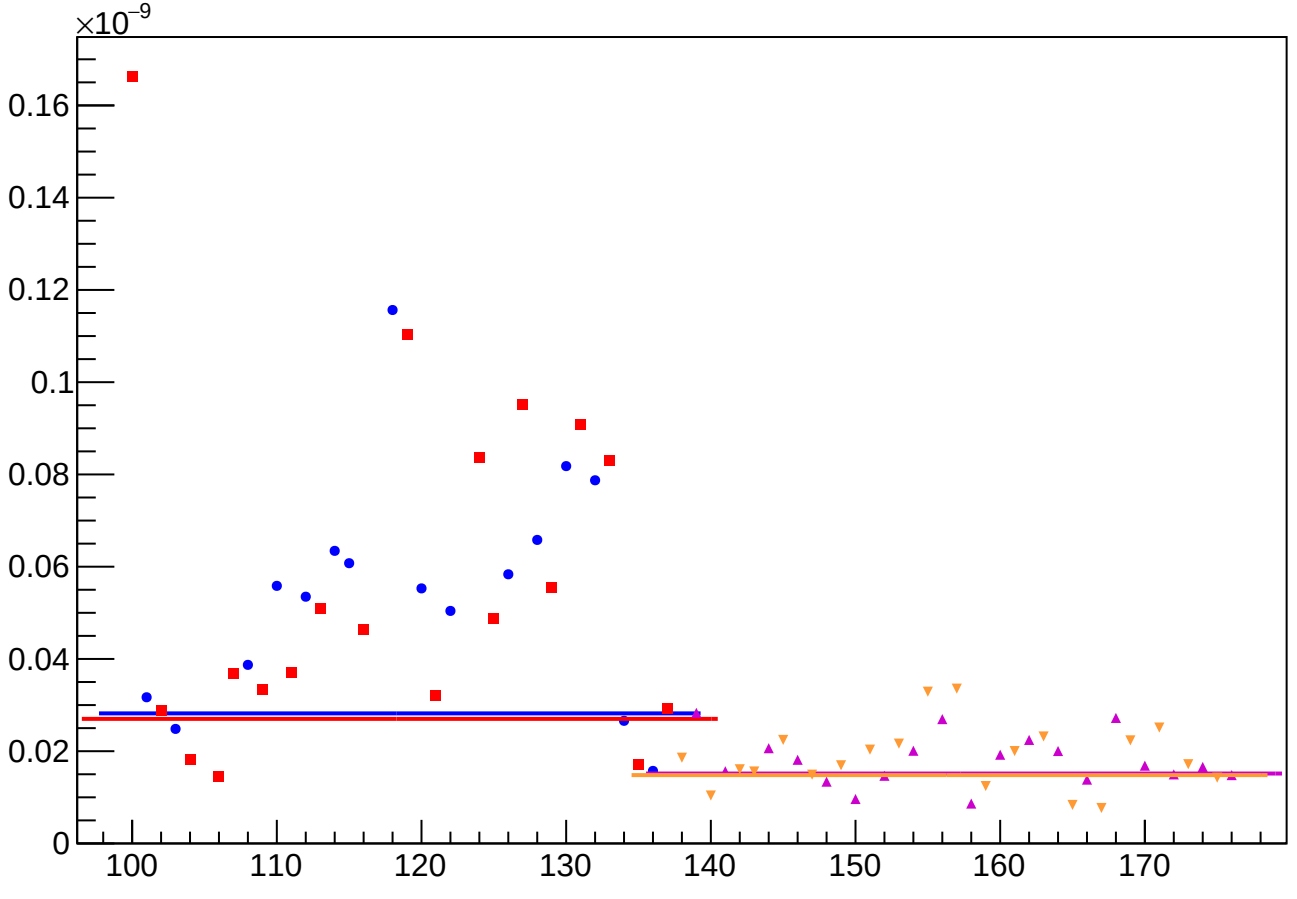
Left: -0.000+/-0.000 χ^2/NDF: 45.3/38

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.6/34

Out: 0.000+/-0.000 χ^2/NDF:55.5/38

All: -0.000+/-0.000 χ^2/NDF: 86.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1645395.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1104104.5/18

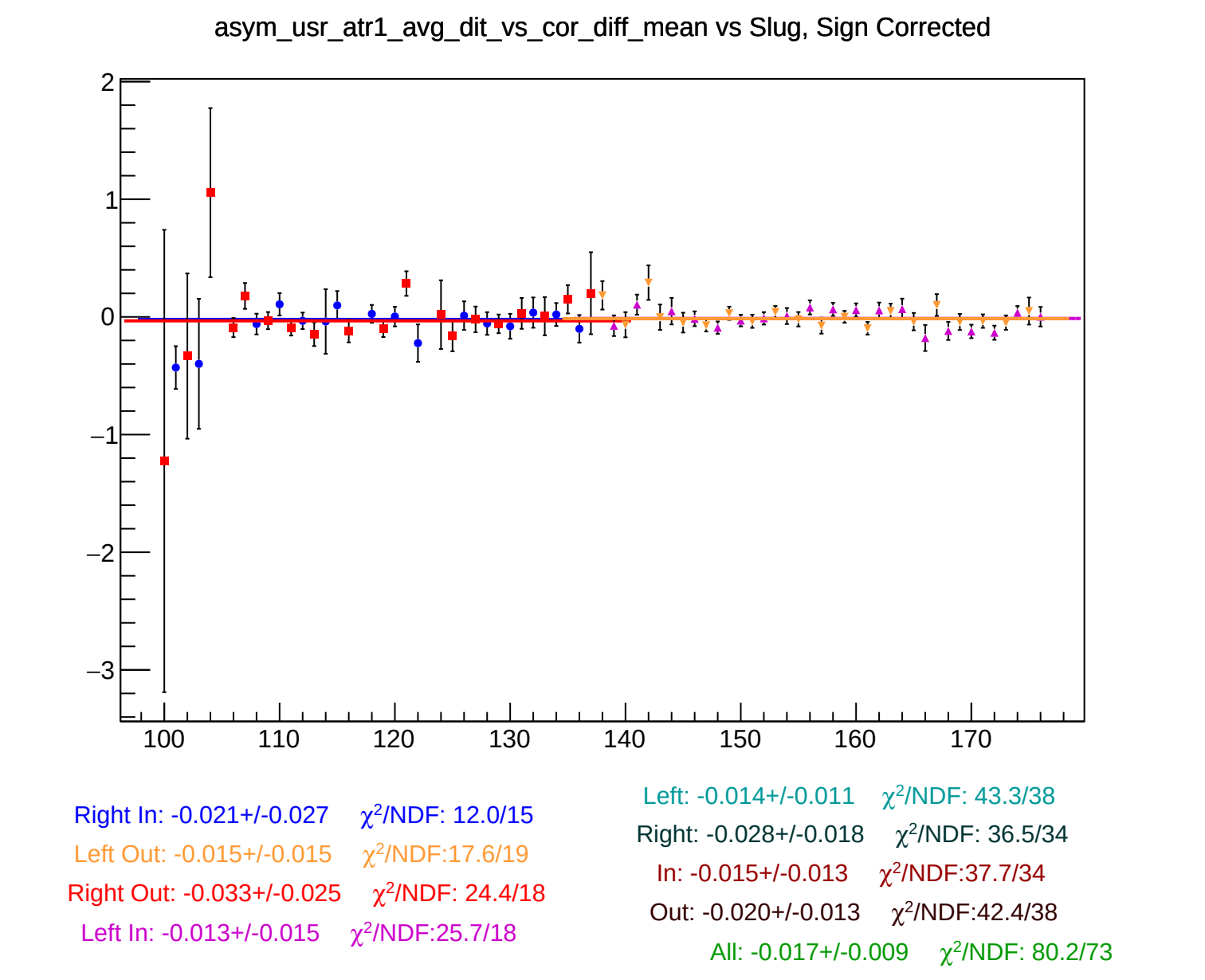
Left: 0.000+/-0.000 χ^2/NDF: 2752111.3/38

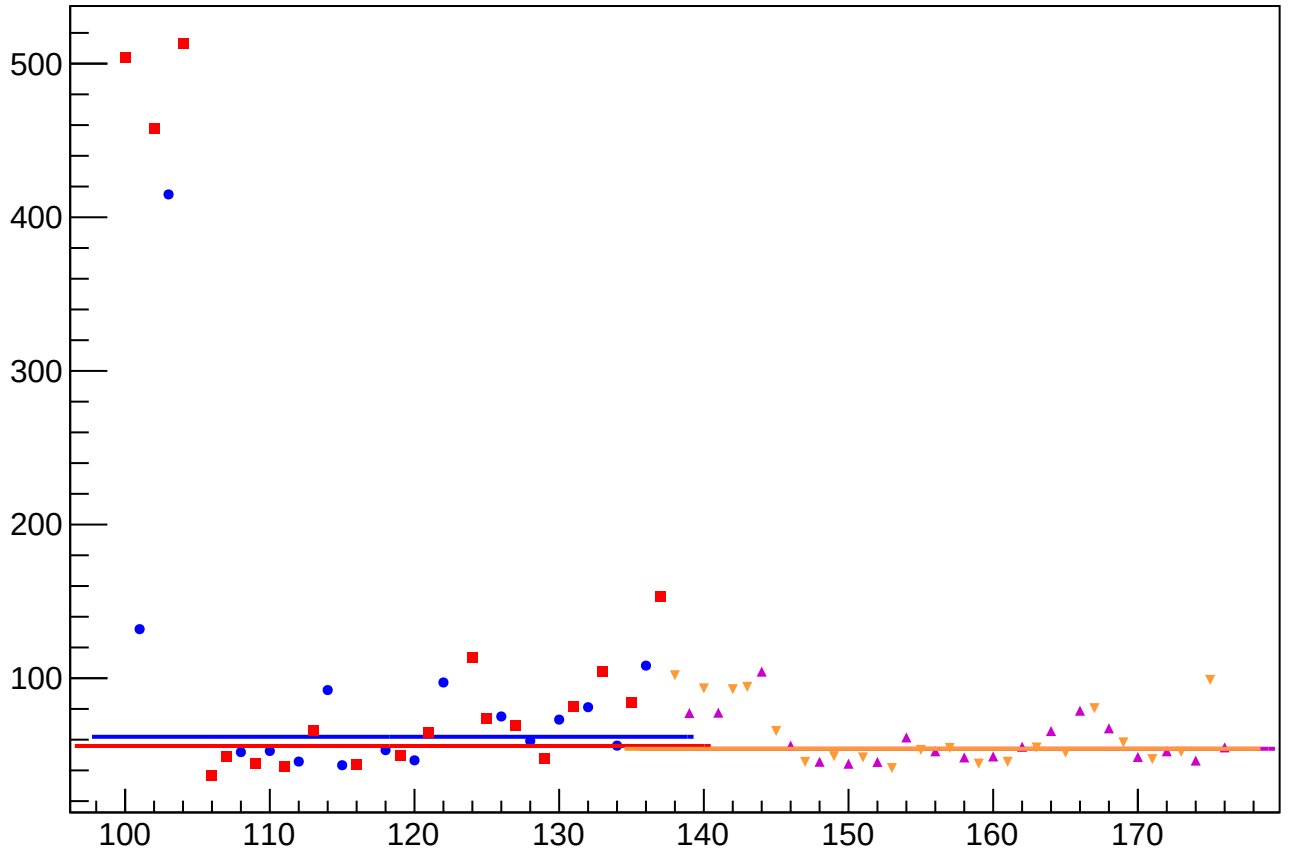
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3416846.3/34

Out: 0.000+/-0.000 χ^2/NDF:3913650.0/38

All: 0.000+/-0.000 χ^2/NDF: 7338605.3/73


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: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.013+/-0.015 χ²/NDF:25.7/18
Left: -0.014+/-0.011 χ²/NDF: 43.3/38
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.013 χ²/NDF:37.7/34
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.017+/-0.009 χ²/NDF: 80.2/73



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

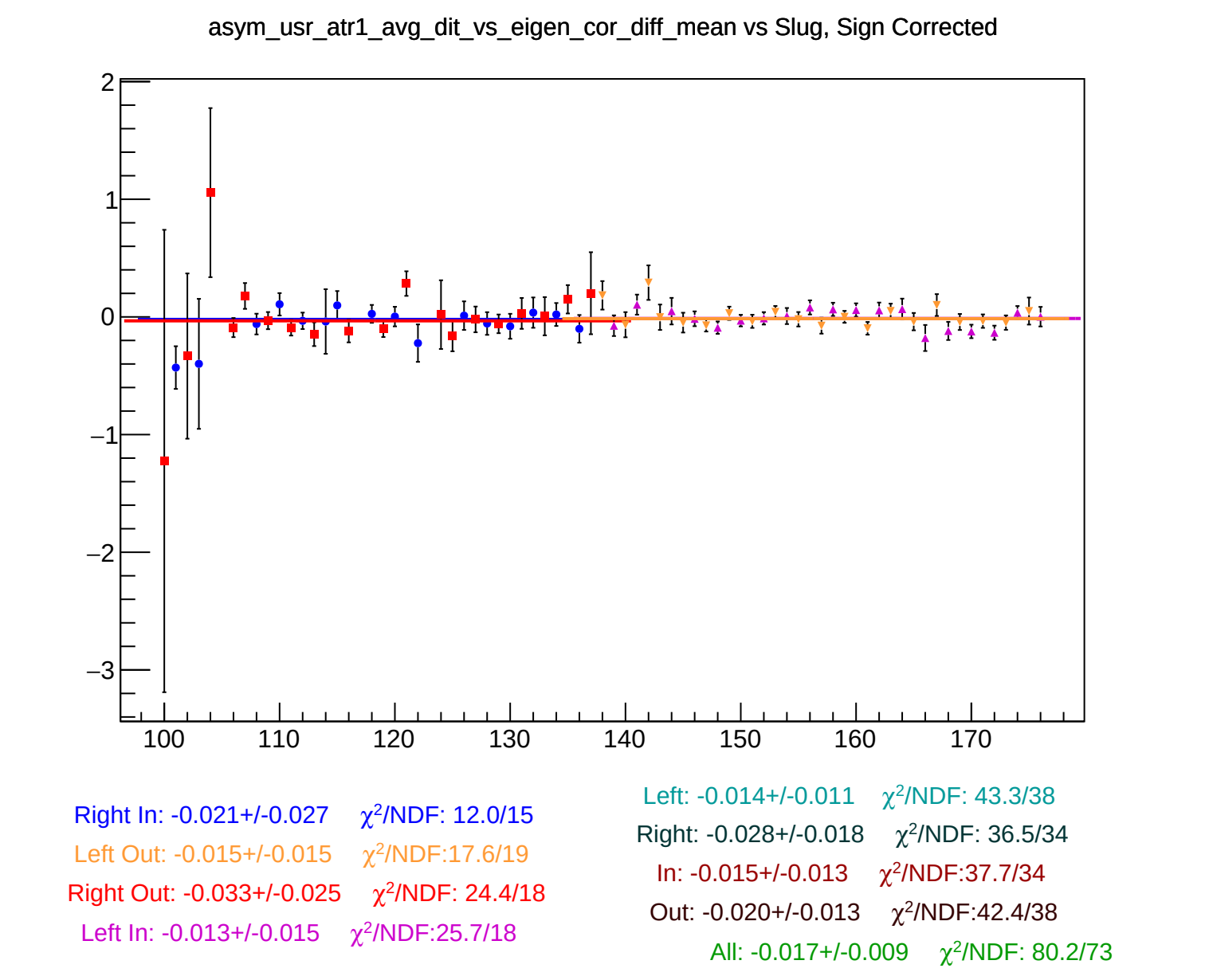
Left: 54.065+/-0.007 χ^2/NDF: 3062354.7/38

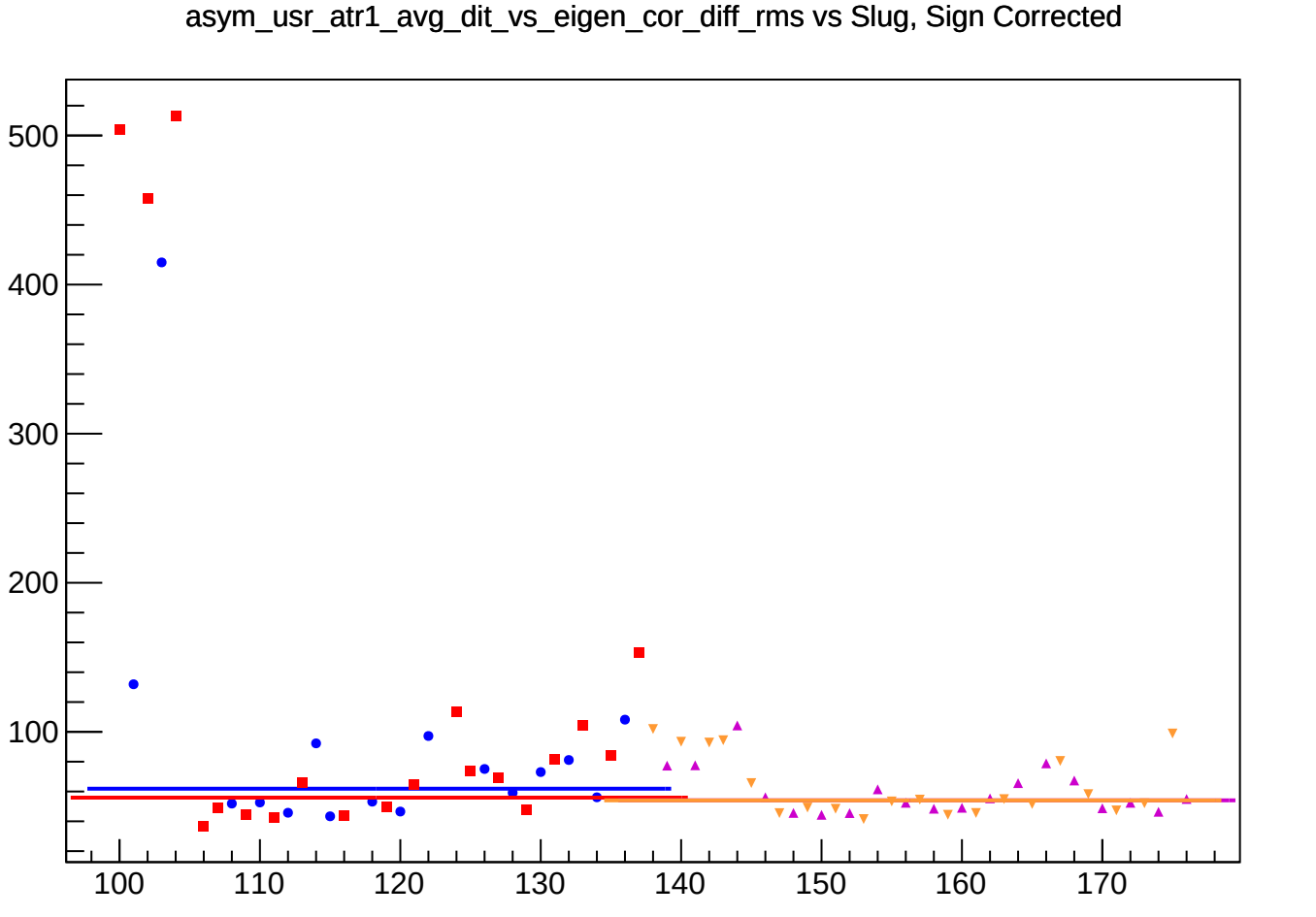
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.947+/-0.009 χ^2/NDF:3251253.9/34

Out: 54.548+/-0.009 χ^2/NDF:4479577.3/38

All: 55.236+/-0.006 χ^2/NDF: 7742597.7/73


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: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.013+/-0.015 χ²/NDF:25.7/18
Left: -0.014+/-0.011 χ²/NDF: 43.3/38
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.013 χ²/NDF:37.7/34
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.017+/-0.009 χ²/NDF: 80.2/73



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.052+/-0.011 χ^2/NDF:1880171.0/19

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

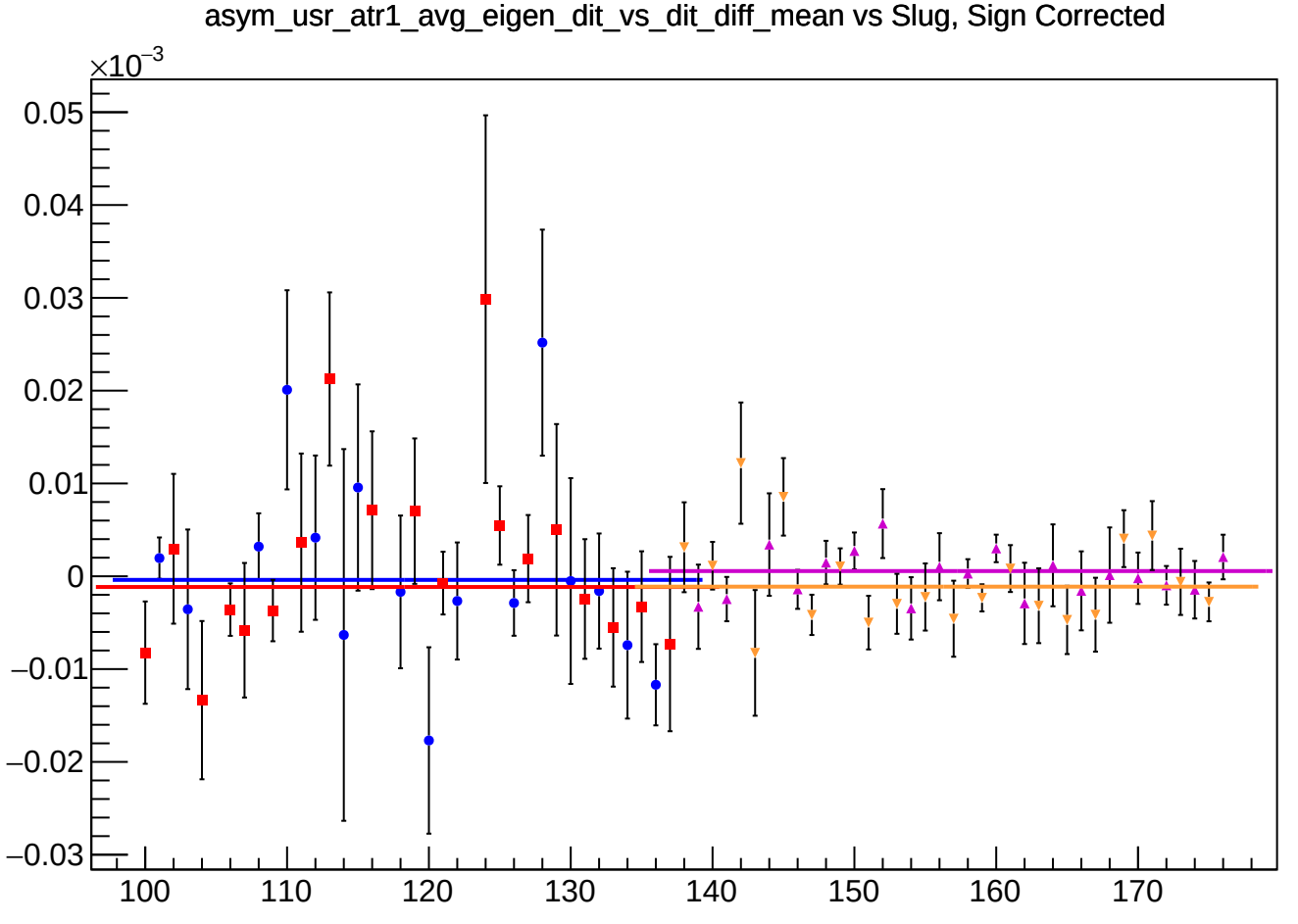
Left: 54.065+/-0.007 χ^2/NDF: 3062354.7/38

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.947+/-0.009 χ^2/NDF:3251253.9/34

Out: 54.548+/-0.009 χ^2/NDF:4479577.3/38

All: 55.236+/-0.006 χ^2/NDF: 7742597.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/18

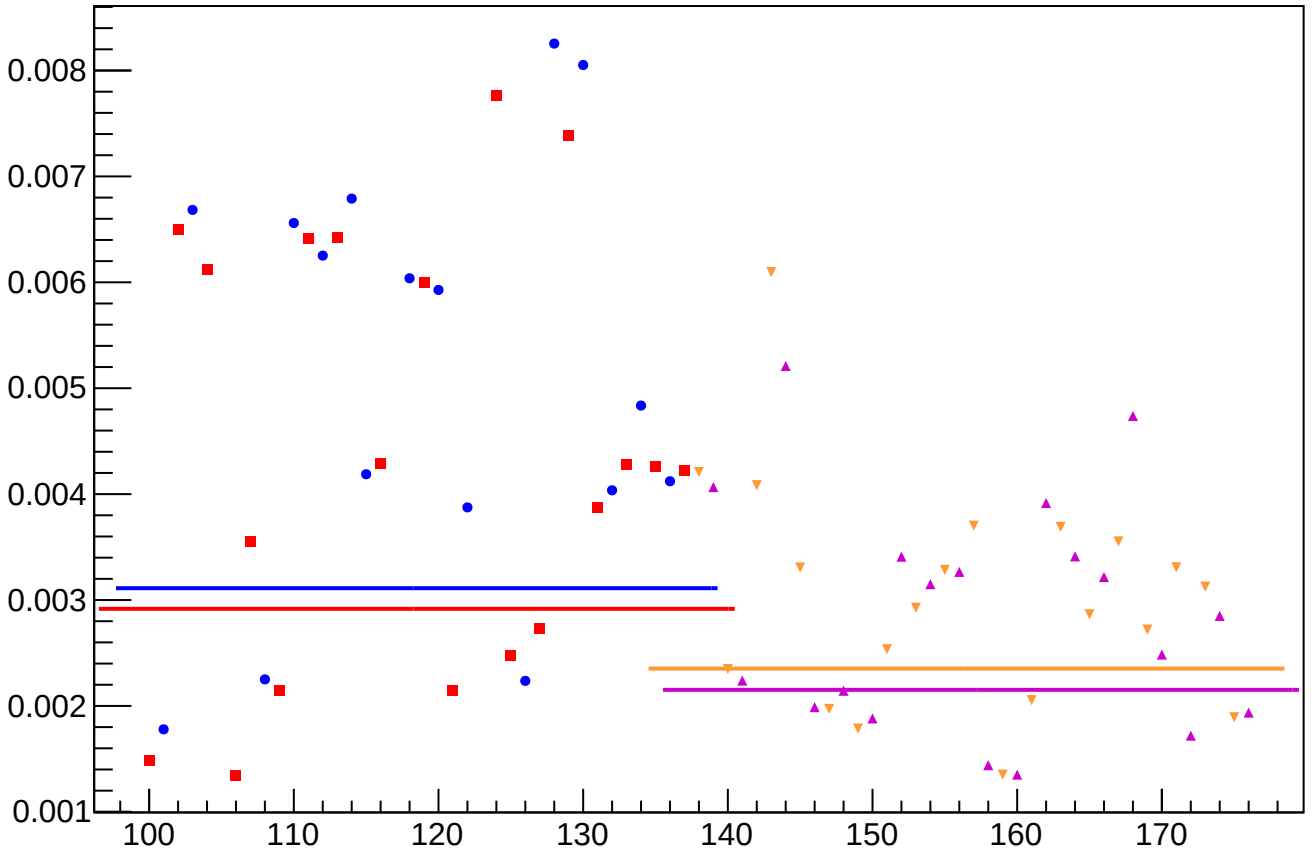
Left: -0.000+/-0.000 χ^2/NDF: 44.0/38

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:36.2/34

Out: -0.000+/-0.000 χ^2/NDF:47.5/38

All: -0.000+/-0.000 χ^2/NDF: 87.5/73



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3561515.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3972951.6/18

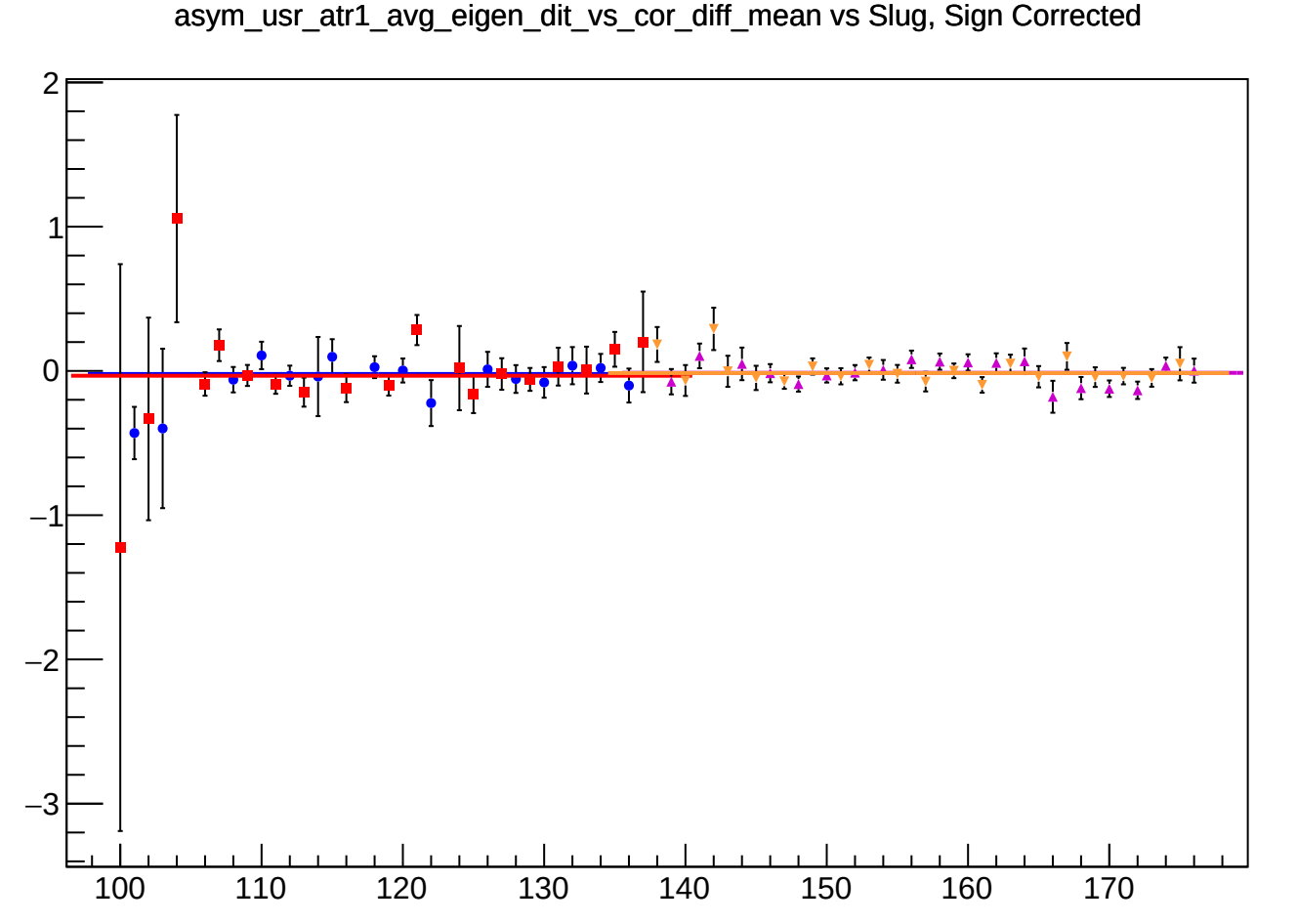
Left: 0.002+/-0.000 χ^2/NDF: 7640406.7/38

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8124868.3/34

Out: 0.002+/-0.000 χ^2/NDF:7178698.5/38

All: 0.002+/-0.000 χ^2/NDF: 15386288.9/73



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.015+/-0.015 χ^2/NDF:17.6/19

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.013+/-0.015 χ^2/NDF:25.7/18

Left: -0.014+/-0.011 χ^2/NDF: 43.3/38

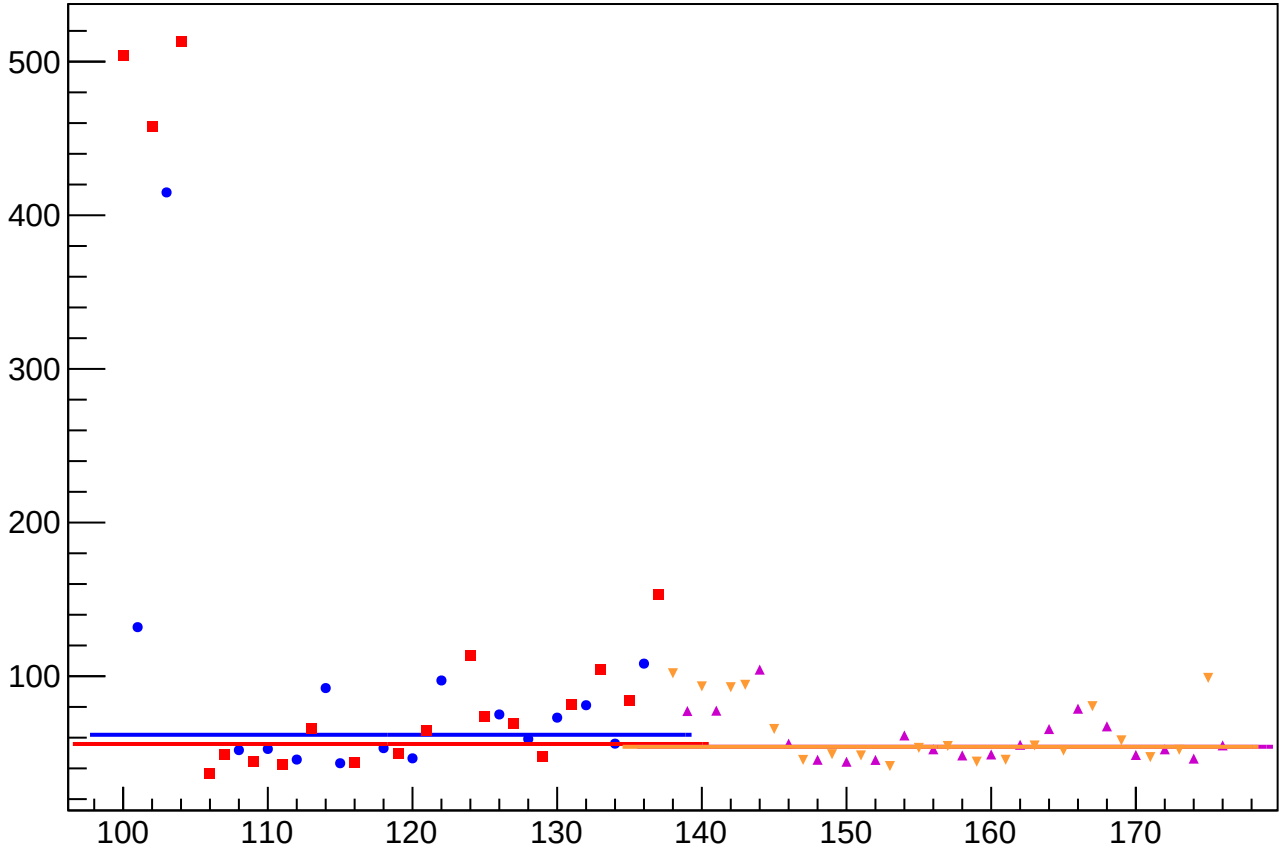
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.013 χ^2/NDF:37.7/34

Out: -0.020+/-0.013 χ^2/NDF:42.4/38

All: -0.017+/-0.009 χ^2/NDF: 80.2/73

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: 54.052+/-0.011 χ^2/NDF:1880213.9/19

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

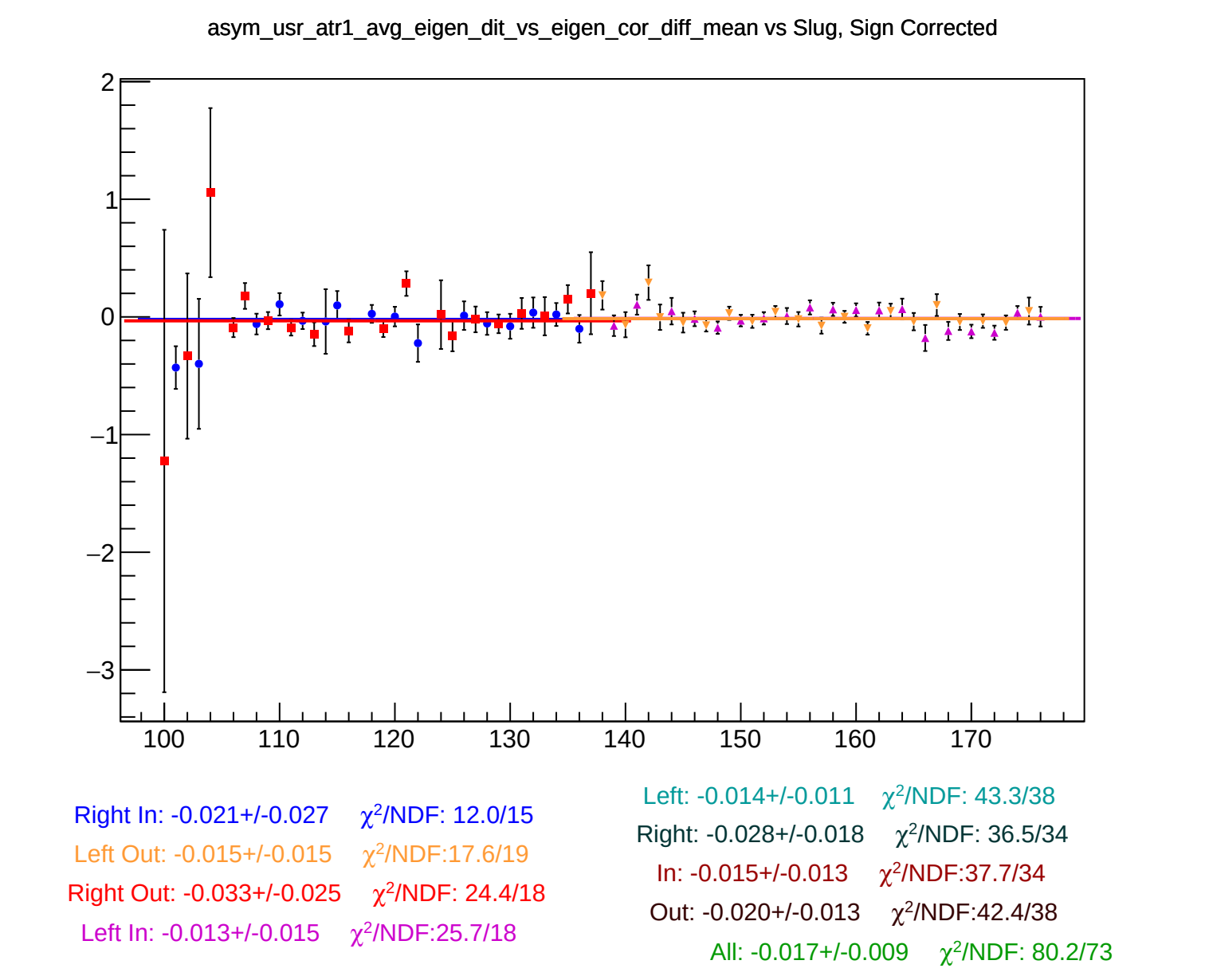
Left: 54.065+/-0.007 χ^2/NDF: 3062397.0/38

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.947+/-0.009 χ^2/NDF:3251178.7/34

Out: 54.548+/-0.009 χ^2/NDF:4479570.6/38

All: 55.236+/-0.006 χ^2/NDF: 7742518.1/73


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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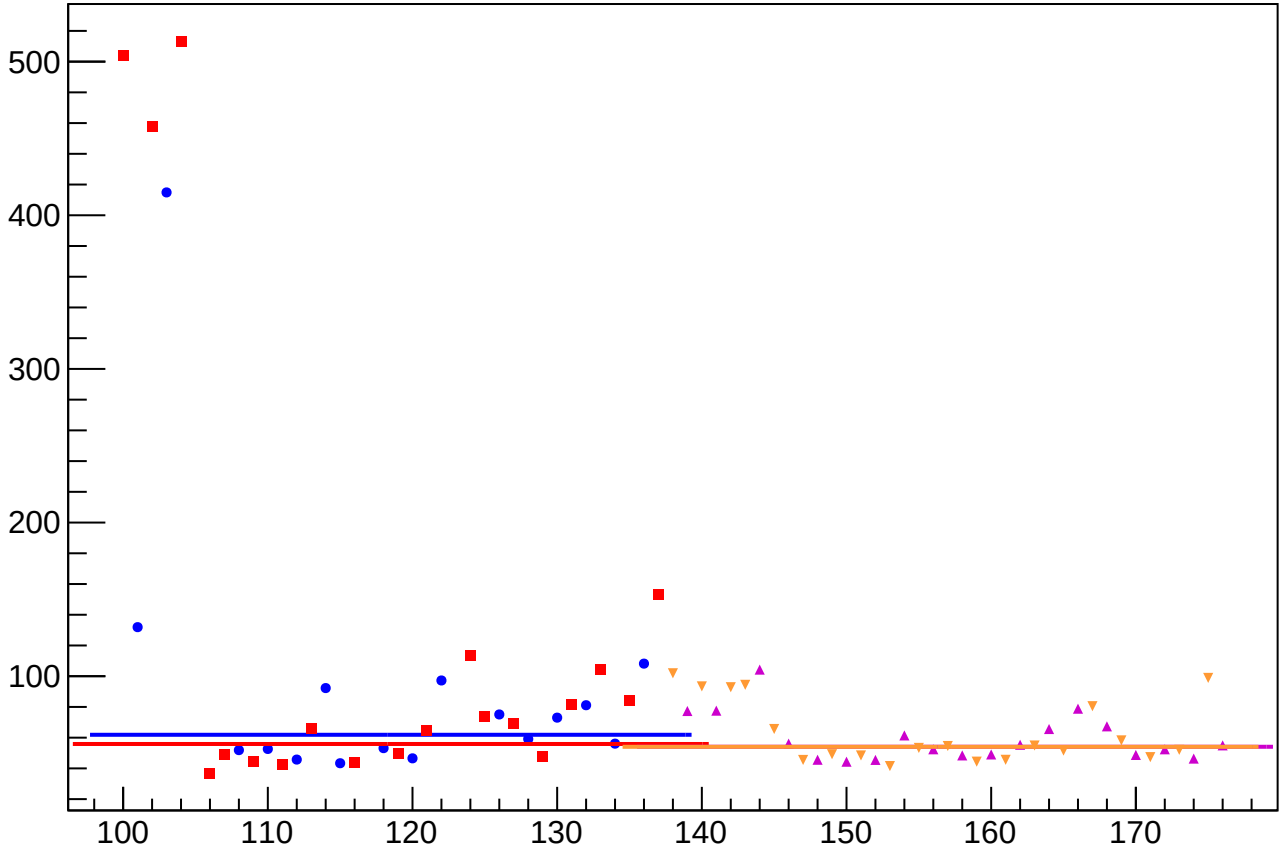
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.015+/-0.015 χ²/NDF:17.6/19
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.013+/-0.015 χ²/NDF:25.7/18
Left: -0.014+/-0.011 χ²/NDF: 43.3/38
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.013 χ²/NDF:37.7/34
Out: -0.020+/-0.013 χ²/NDF:42.4/38
All: -0.017+/-0.009 χ²/NDF: 80.2/73

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: 54.052+/-0.011 χ^2/NDF:1880213.9/19

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

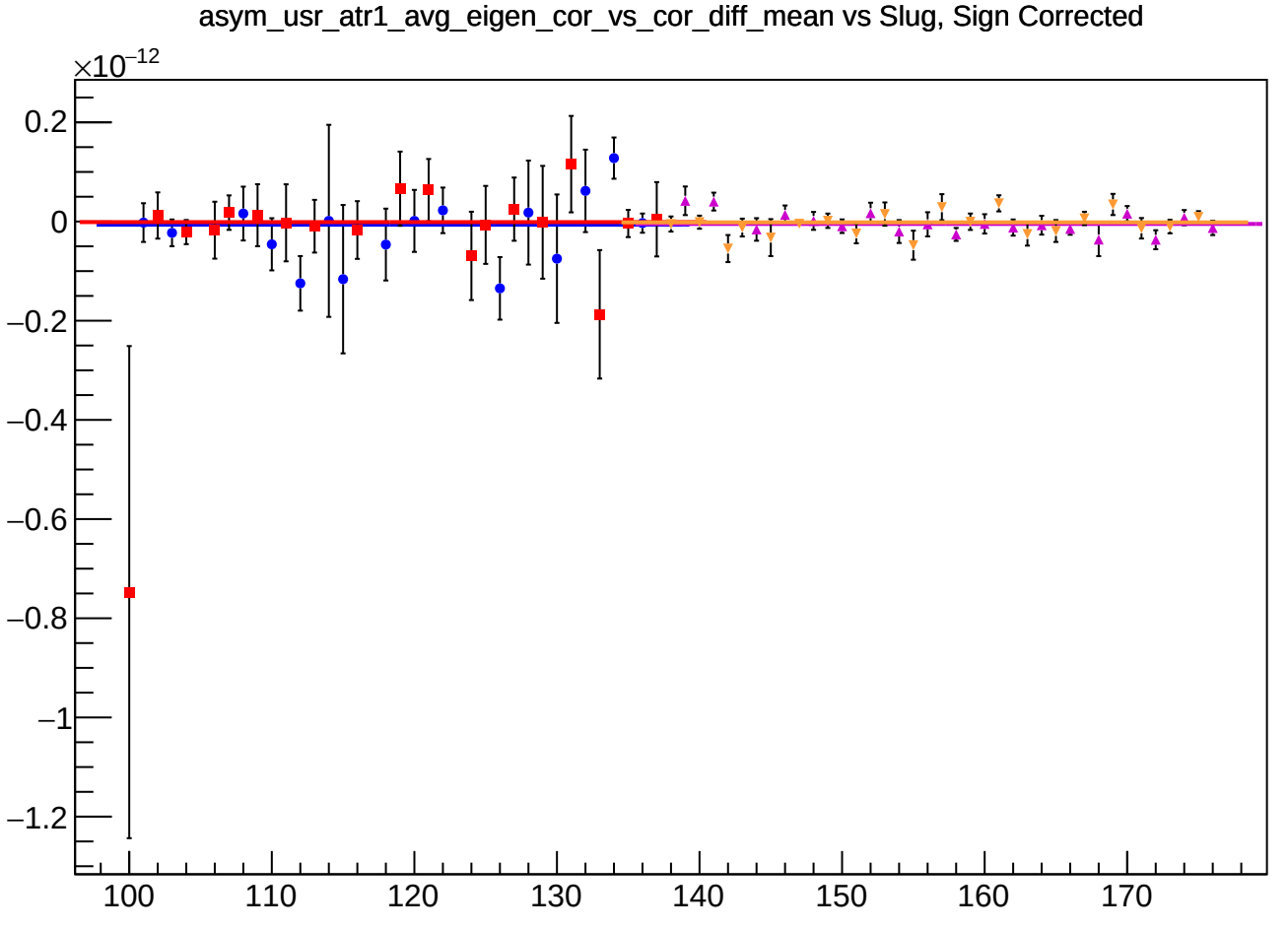
Left: 54.065+/-0.007 χ^2/NDF: 3062397.0/38

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.947+/-0.009 χ^2/NDF:3251178.7/34

Out: 54.548+/-0.009 χ^2/NDF:4479570.6/38

All: 55.236+/-0.006 χ^2/NDF: 7742518.1/73



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/18

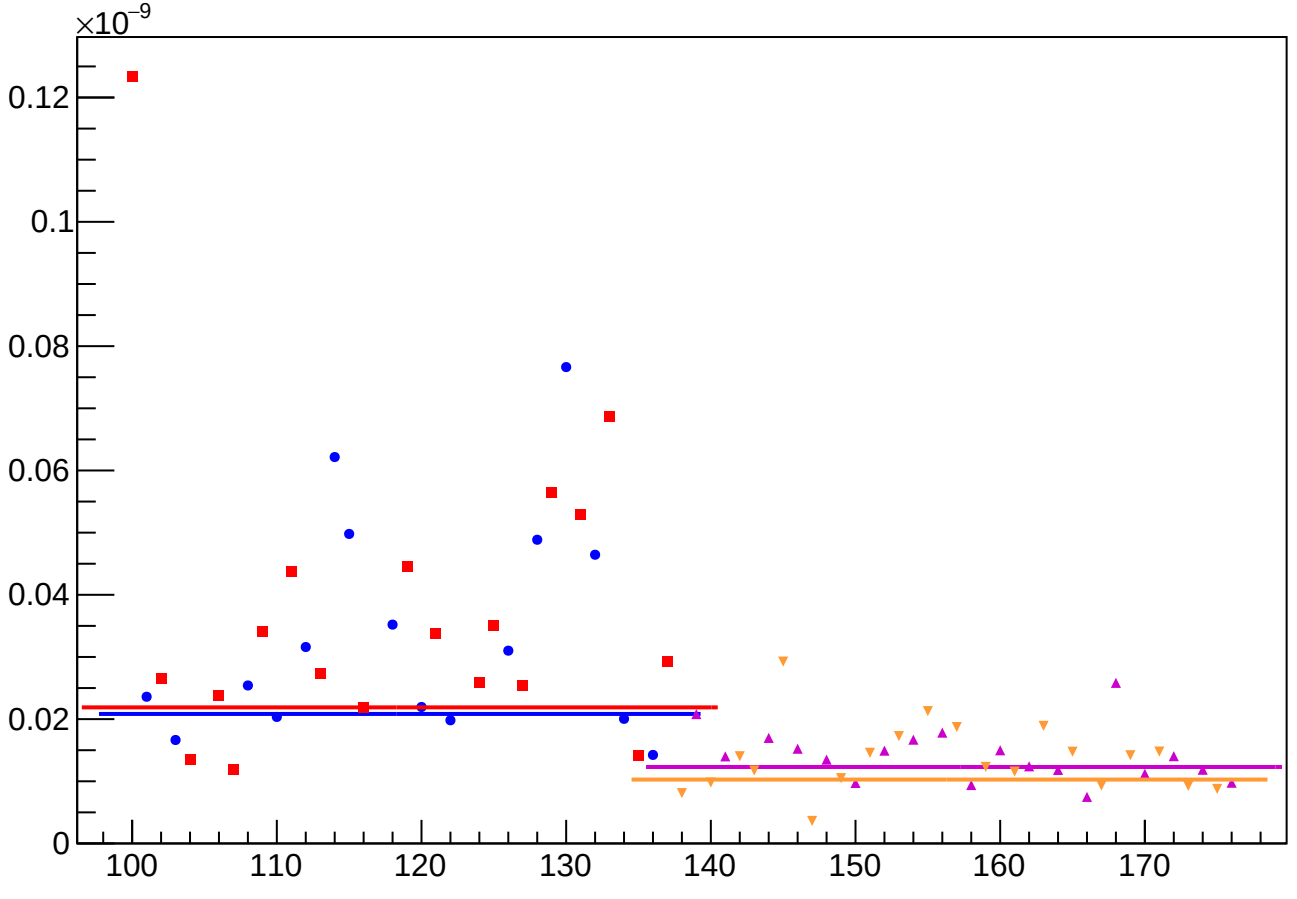
Left: -0.000+/-0.000 χ^2/NDF: 44.7/38

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:32.3/38

All: -0.000+/-0.000 χ^2/NDF: 77.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3263448.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1489409.1/18

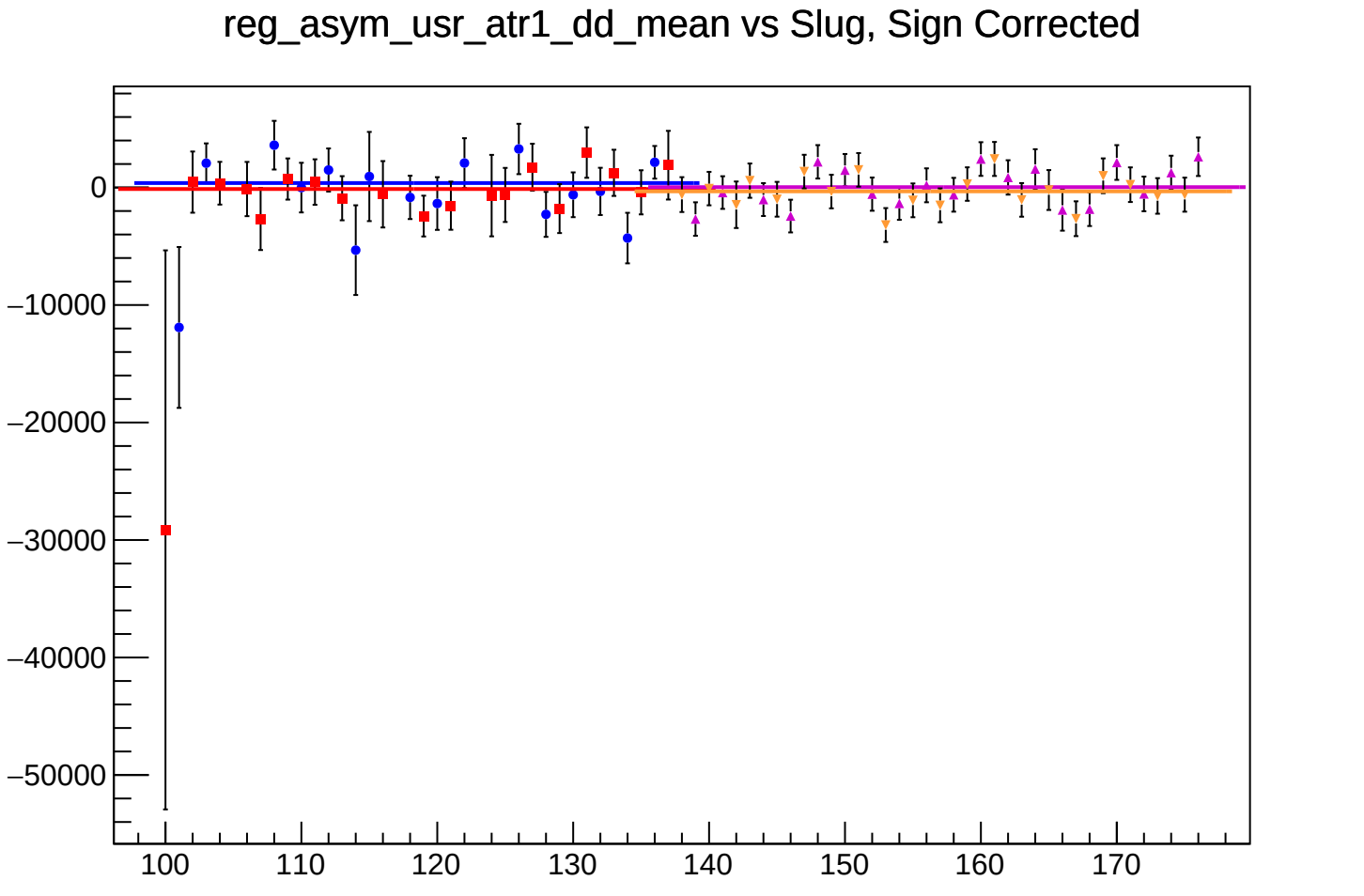
Left: 0.000+/-0.000 χ^2/NDF: 5031806.1/38

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3888753.1/34

Out: 0.000+/-0.000 χ^2/NDF:6911691.6/38

All: 0.000+/-0.000 χ^2/NDF: 11099032.6/73



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.189+/-330.860 χ^2/NDF:16.5/19

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 31.229+/-334.770 χ^2/NDF:24.5/18

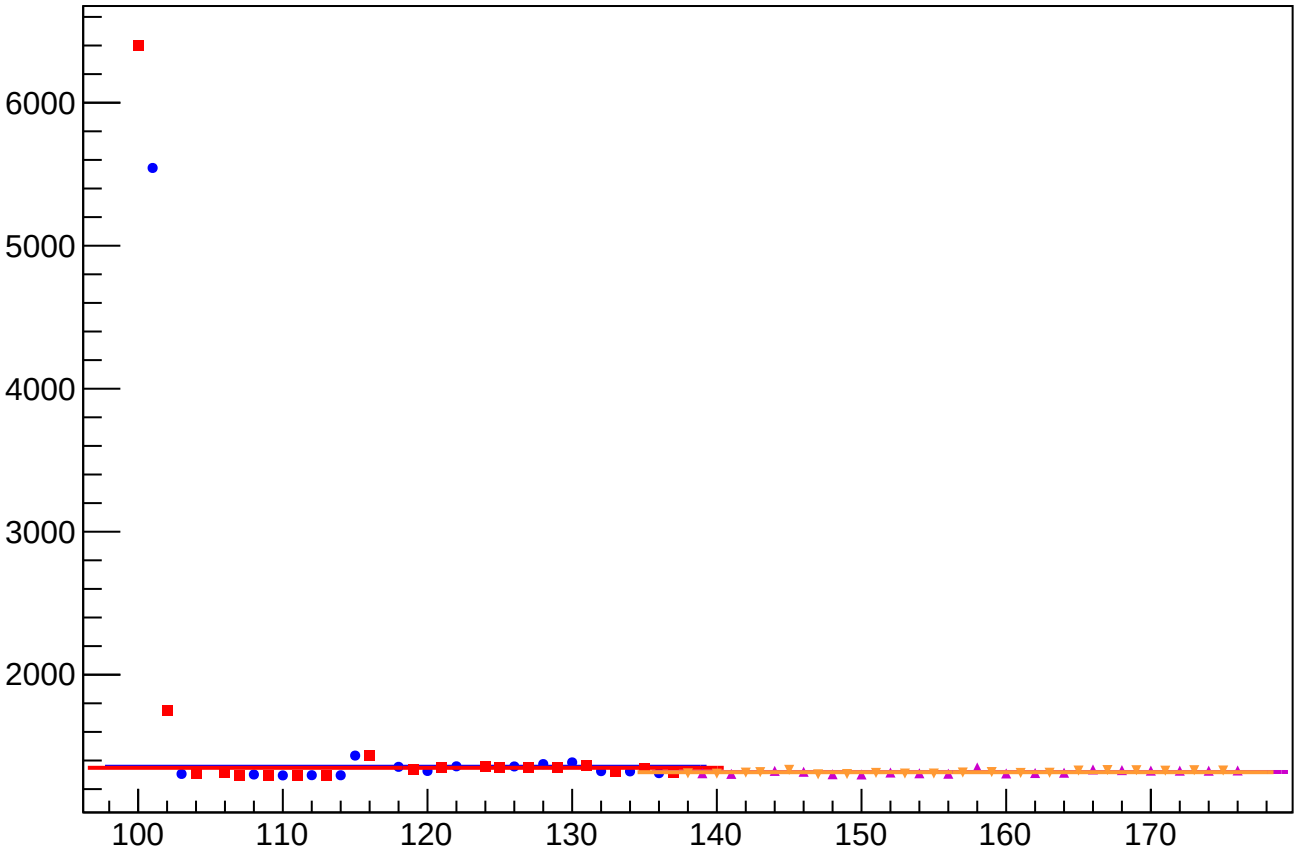
Left: -149.579+/-235.324 χ^2/NDF: 41.6/38

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 134.455+/-281.130 χ^2/NDF:46.3/34

Out: -265.979+/-276.086 χ^2/NDF:26.6/38

All: -69.386+/-196.981 χ^2/NDF: 74.0/73



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

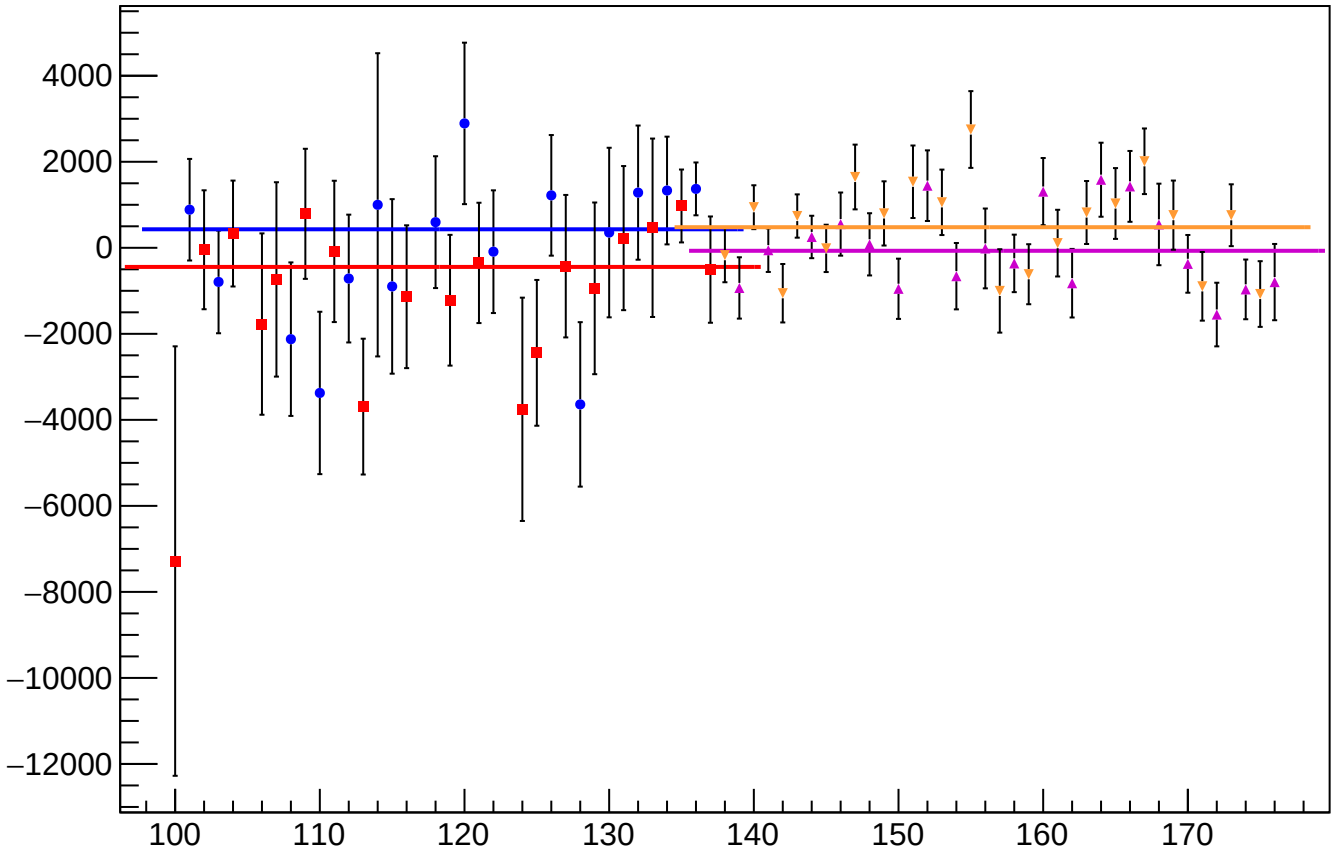
Left: 1319.020+/-0.166 χ^2/NDF: 4858.5/38

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.539+/-0.199 χ^2/NDF:770278.6/34

Out: 1327.634+/-0.195 χ^2/NDF:154378.6/38

All: 1329.060+/-0.139 χ^2/NDF: 924765.9/73



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 478.828+/-157.449 χ^2/NDF:36.4/19

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -69.502+/-164.622 χ^2/NDF:26.4/18

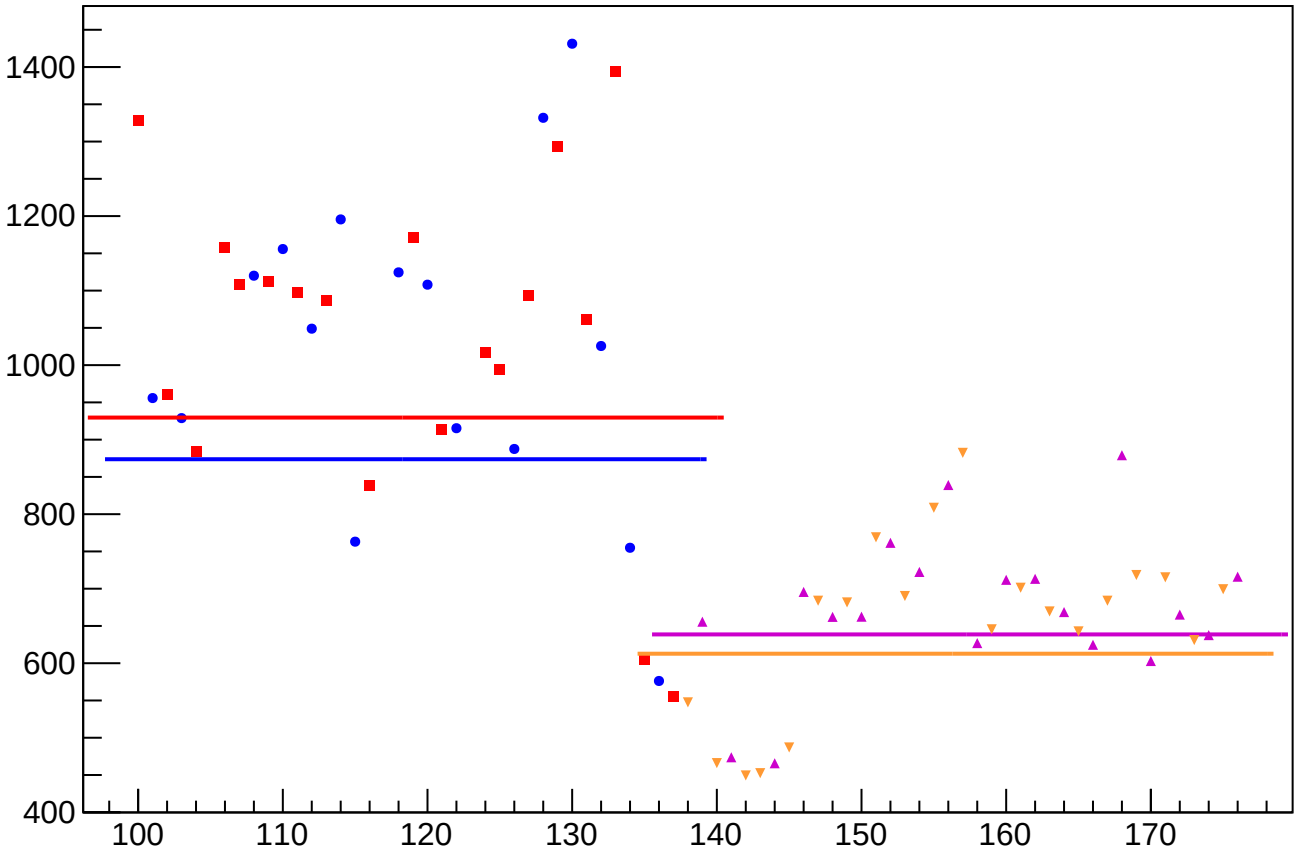
Left: 216.868+/-113.785 χ^2/NDF: 68.6/38

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 26.129+/-148.040 χ^2/NDF:46.4/34

Out: 327.470+/-143.968 χ^2/NDF:56.4/38

All: 181.001+/-103.210 χ^2/NDF: 104.9/73



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142269.2/19

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 638.652+/-0.116 χ^2/NDF:828486.3/18

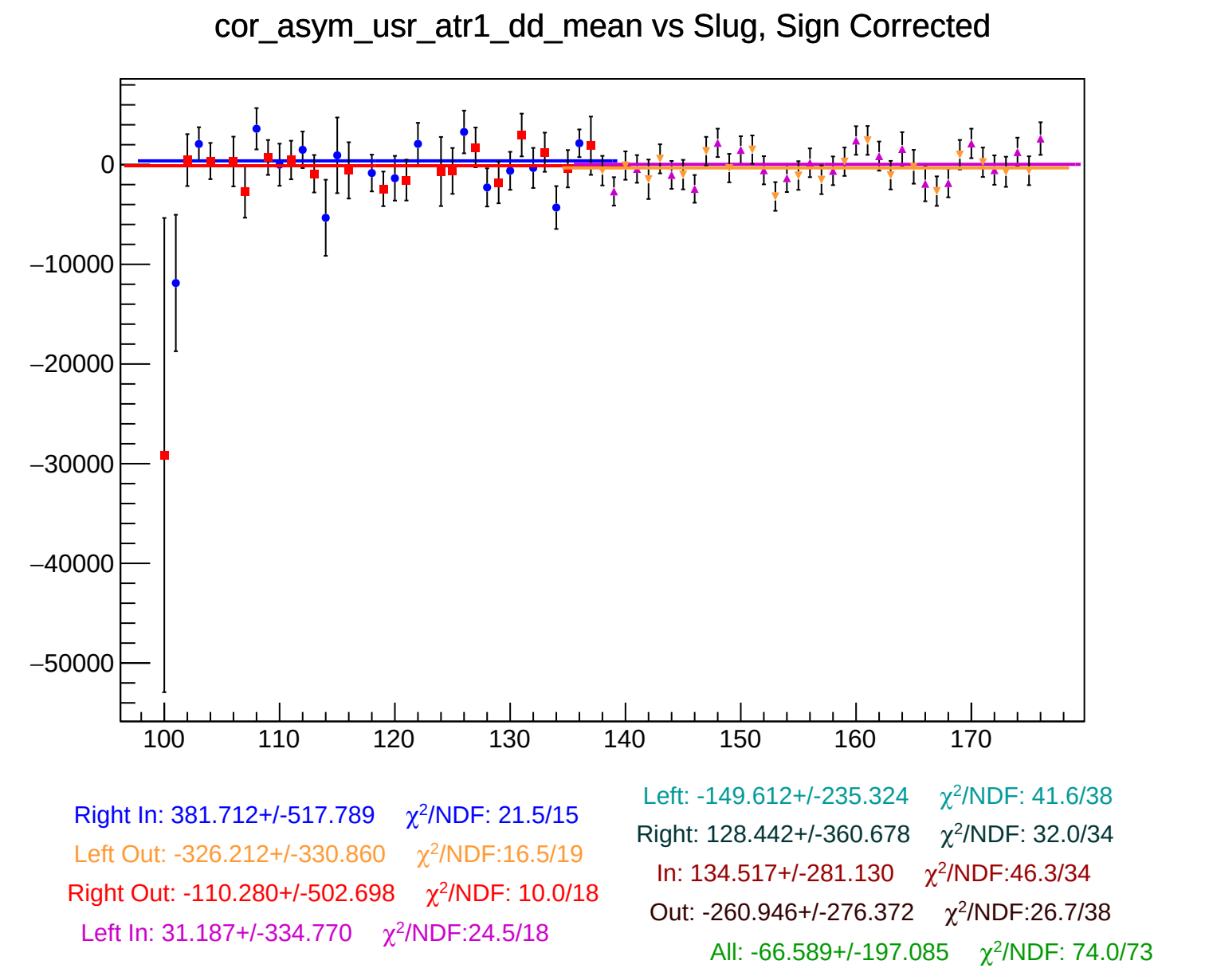
Left: 625.128+/-0.080 χ^2/NDF: 1996598.3/38

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

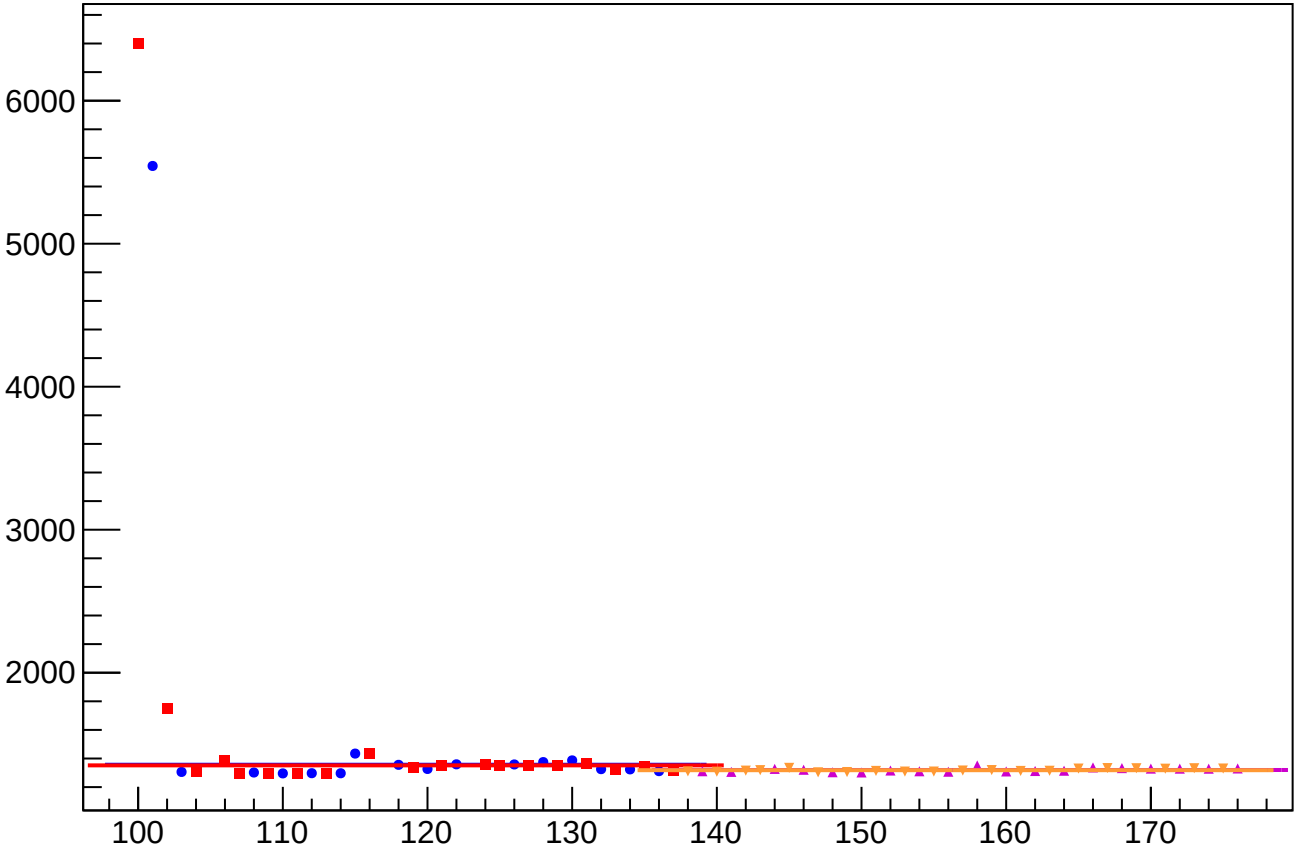
In: 683.626+/-0.105 χ^2/NDF:2623593.9/34

Out: 664.699+/-0.102 χ^2/NDF:3330078.1/38

All: 673.899+/-0.073 χ^2/NDF: 5970472.3/73


cor_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: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -326.212+/-330.860 χ²/NDF:16.5/19
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: 31.187+/-334.770 χ²/NDF:24.5/18
Left: -149.612+/-235.324 χ²/NDF: 41.6/38
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 134.517+/-281.130 χ²/NDF:46.3/34
Out: -260.946+/-276.372 χ²/NDF:26.7/38
All: -66.589+/-197.085 χ²/NDF: 74.0/73

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

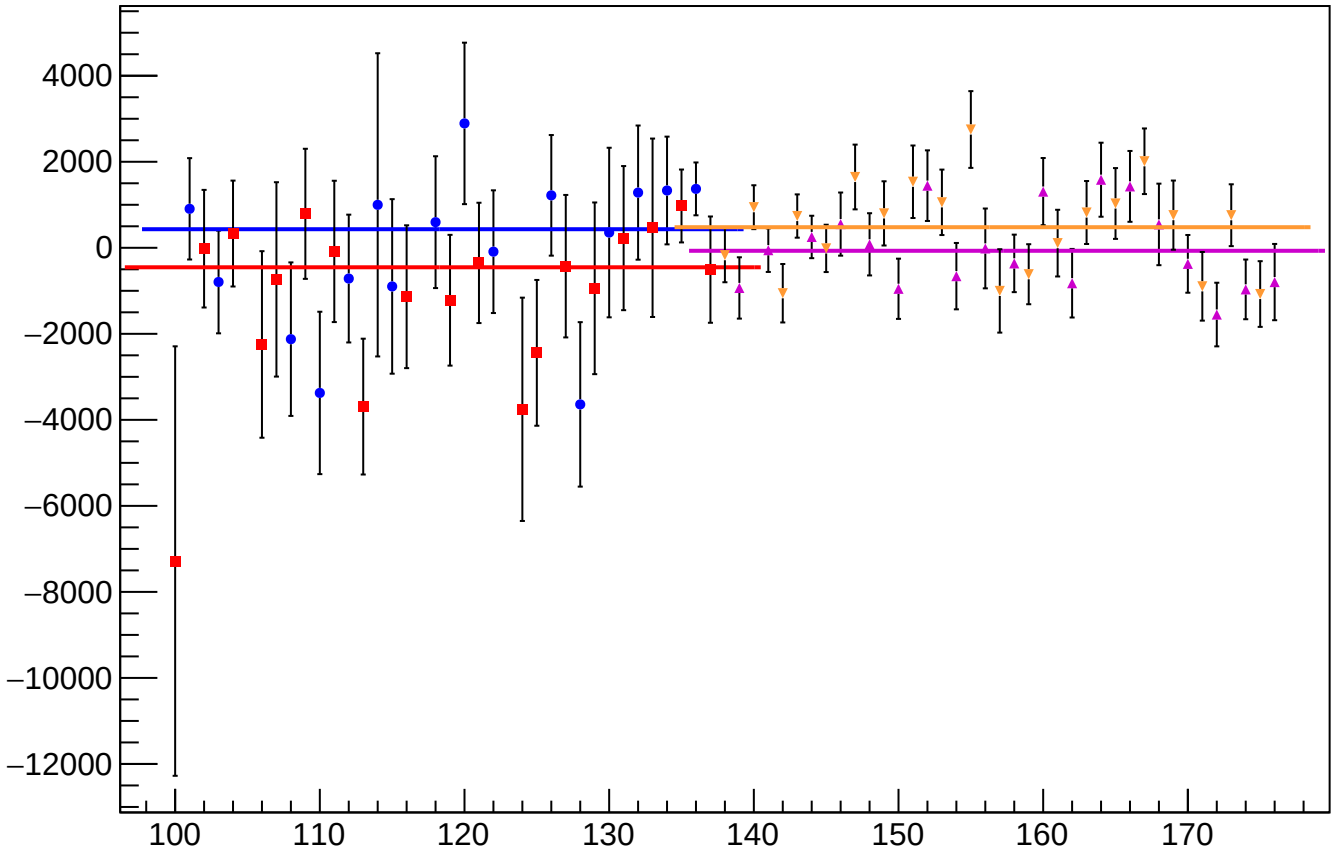
Left: 1319.020+/-0.166 χ^2/NDF: 4858.5/38

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.199 χ^2/NDF:770277.6/34

Out: 1328.530+/-0.195 χ^2/NDF:155520.5/38

All: 1329.517+/-0.139 χ^2/NDF: 925850.1/73



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -69.495+/-164.621 χ^2/NDF:26.4/18

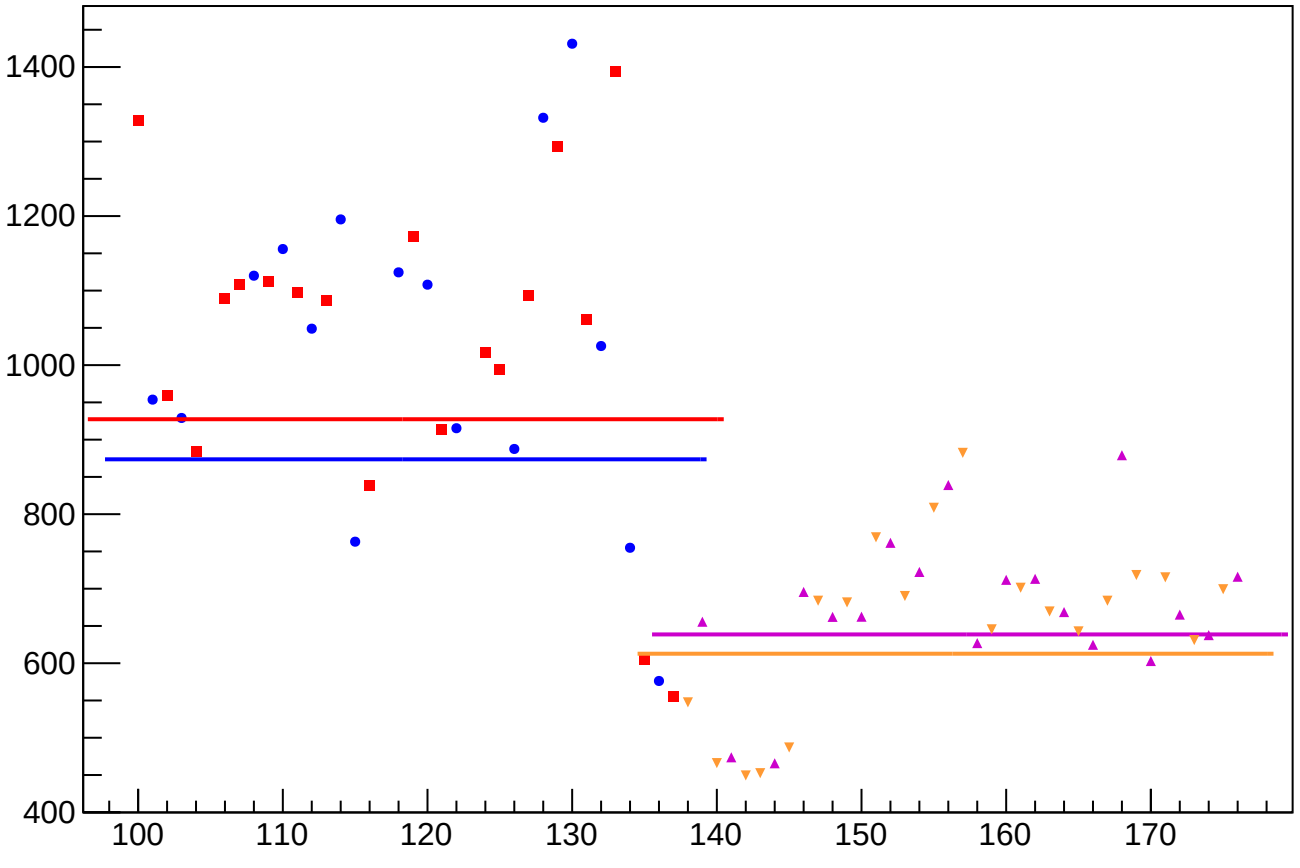
Left: 216.860+/-113.784 χ^2/NDF: 68.6/38

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 26.498+/-148.034 χ^2/NDF:46.4/34

Out: 326.069+/-143.968 χ^2/NDF:56.8/38

All: 180.453+/-103.208 χ^2/NDF: 105.4/73



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

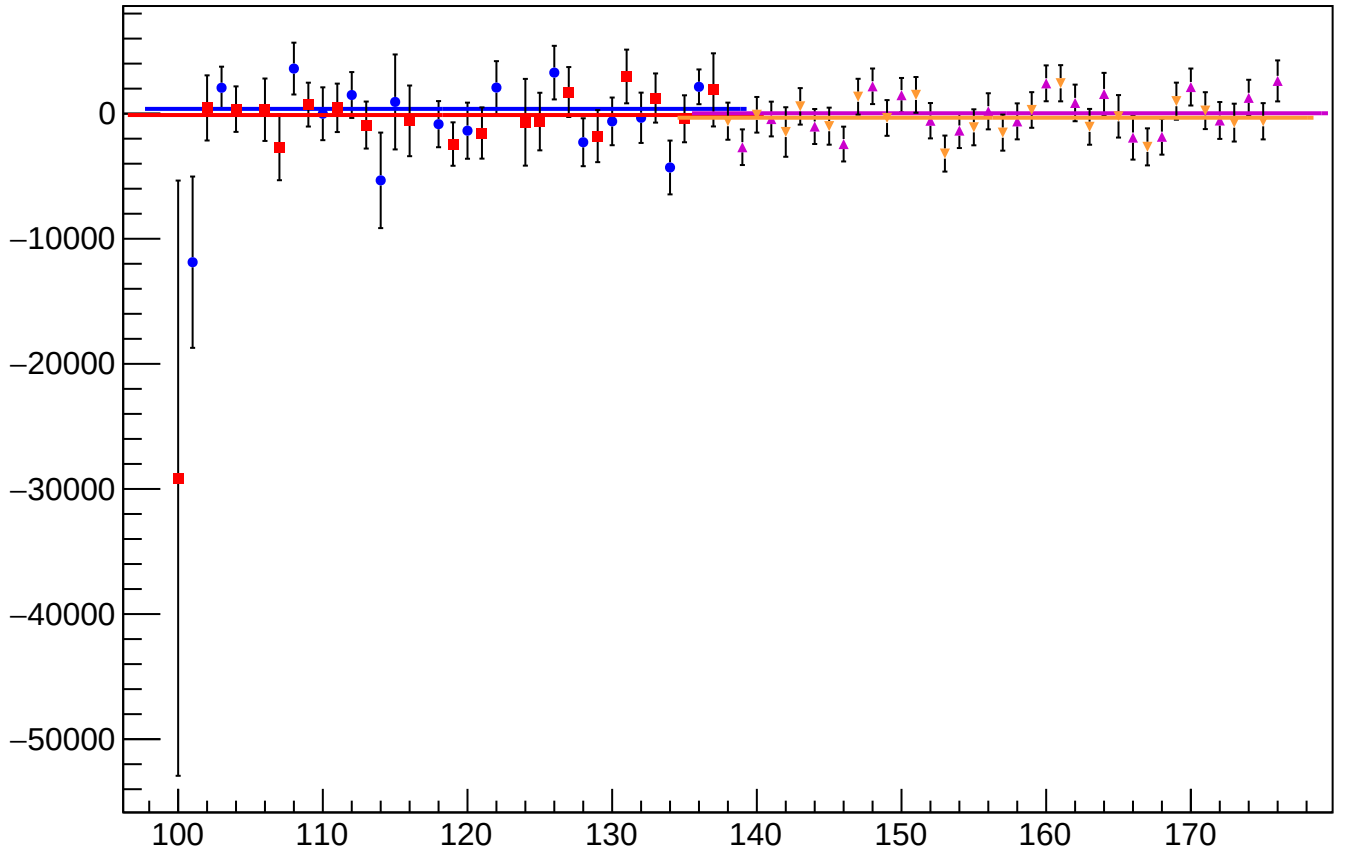
Left: 625.126+/-0.080 χ^2/NDF: 1996563.0/38

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.608+/-0.105 χ^2/NDF:2622611.4/34

Out: 664.333+/-0.102 χ^2/NDF:3298793.4/38

All: 673.702+/-0.073 χ^2/NDF: 5938831.3/73



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -326.212+/-330.860 χ^2/NDF:16.5/19

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 31.187+/-334.770 χ^2/NDF:24.5/18

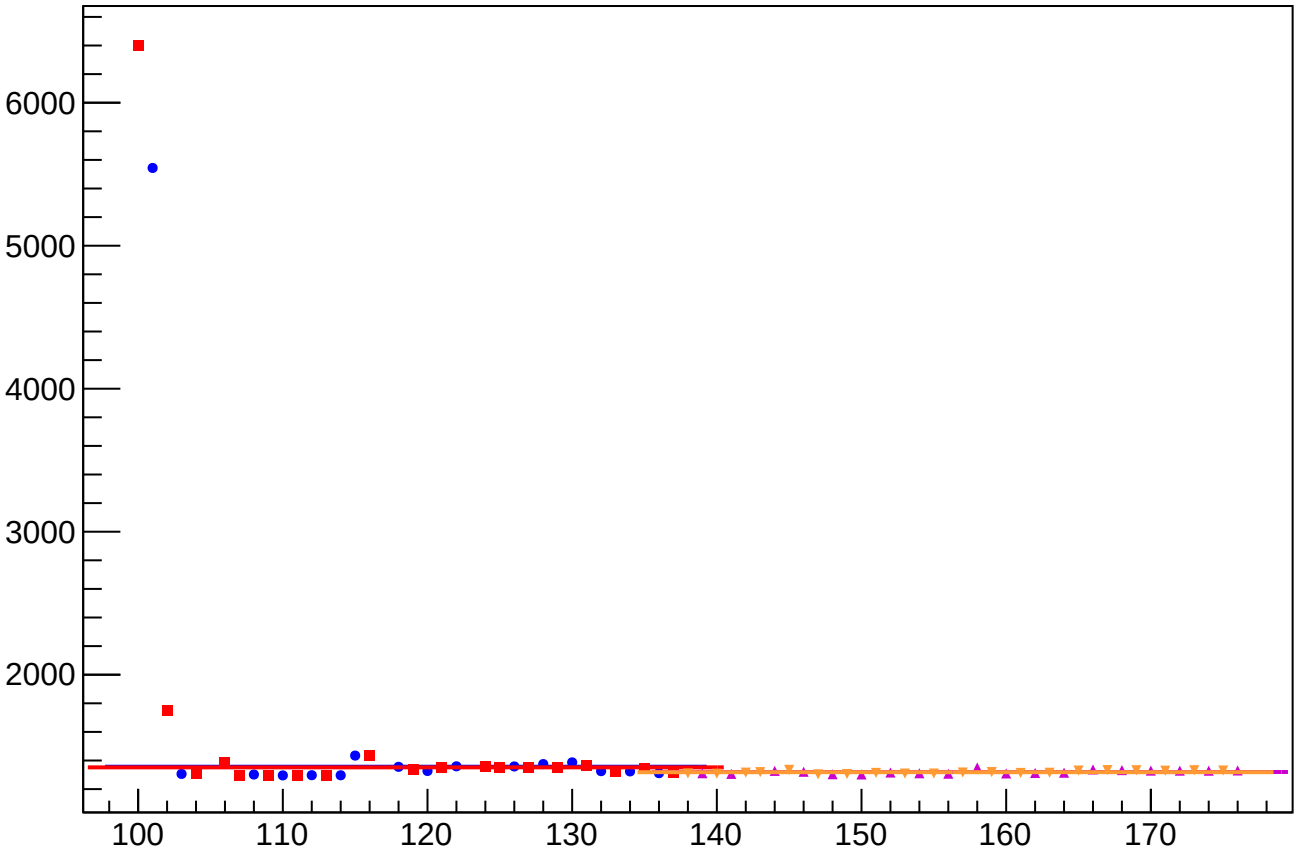
Left: -149.612+/-235.324 χ^2/NDF: 41.6/38

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 134.517+/-281.130 χ^2/NDF:46.3/34

Out: -260.946+/-276.372 χ^2/NDF:26.7/38

All: -66.589+/-197.085 χ^2/NDF: 74.0/73



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1318.326+/-0.234 χ^2/NDF:1901.2/19

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

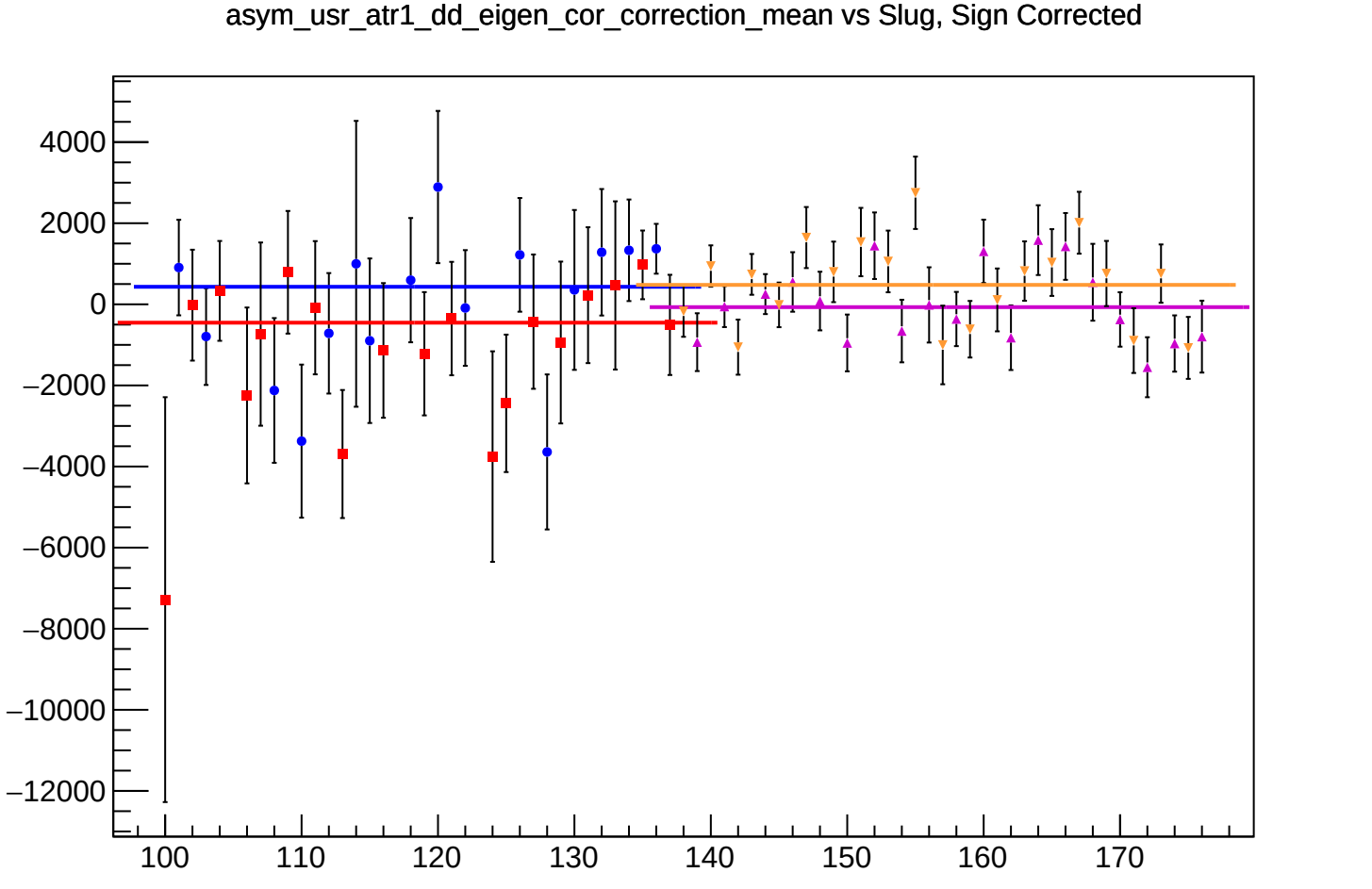
Left: 1319.020+/-0.166 χ^2/NDF: 4858.5/38

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.199 χ^2/NDF:770277.6/34

Out: 1328.530+/-0.195 χ^2/NDF:155520.5/38

All: 1329.517+/-0.139 χ^2/NDF: 925850.1/73



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 478.810+/-157.449 χ^2/NDF:36.4/19

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -69.495+/-164.621 χ^2/NDF:26.4/18

Left: 216.860+/-113.784 χ^2/NDF: 68.6/38

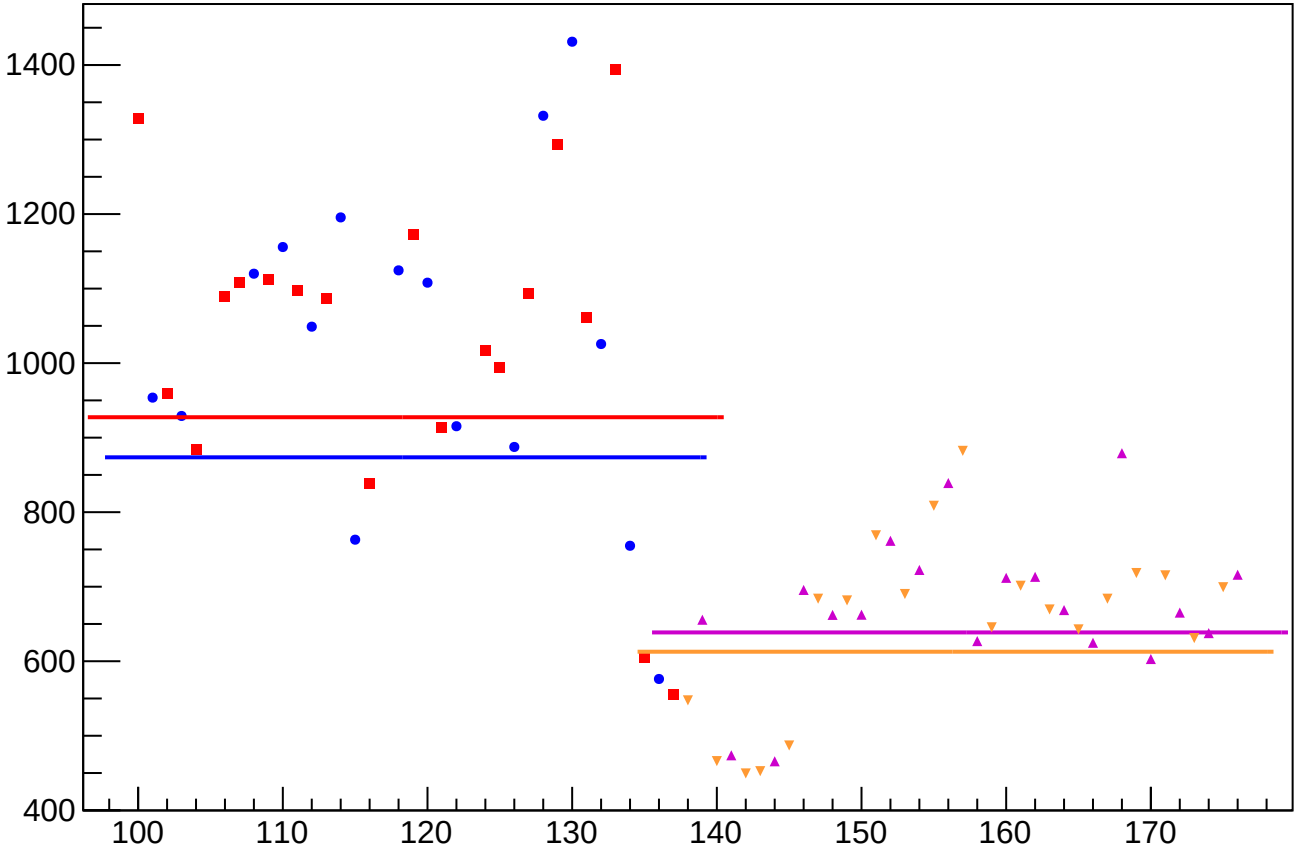
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 26.498+/-148.034 χ^2/NDF:46.4/34

Out: 326.069+/-143.968 χ^2/NDF:56.8/38

All: 180.453+/-103.208 χ^2/NDF: 105.4/73

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 612.758+/-0.111 χ^2/NDF:1142188.4/19

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

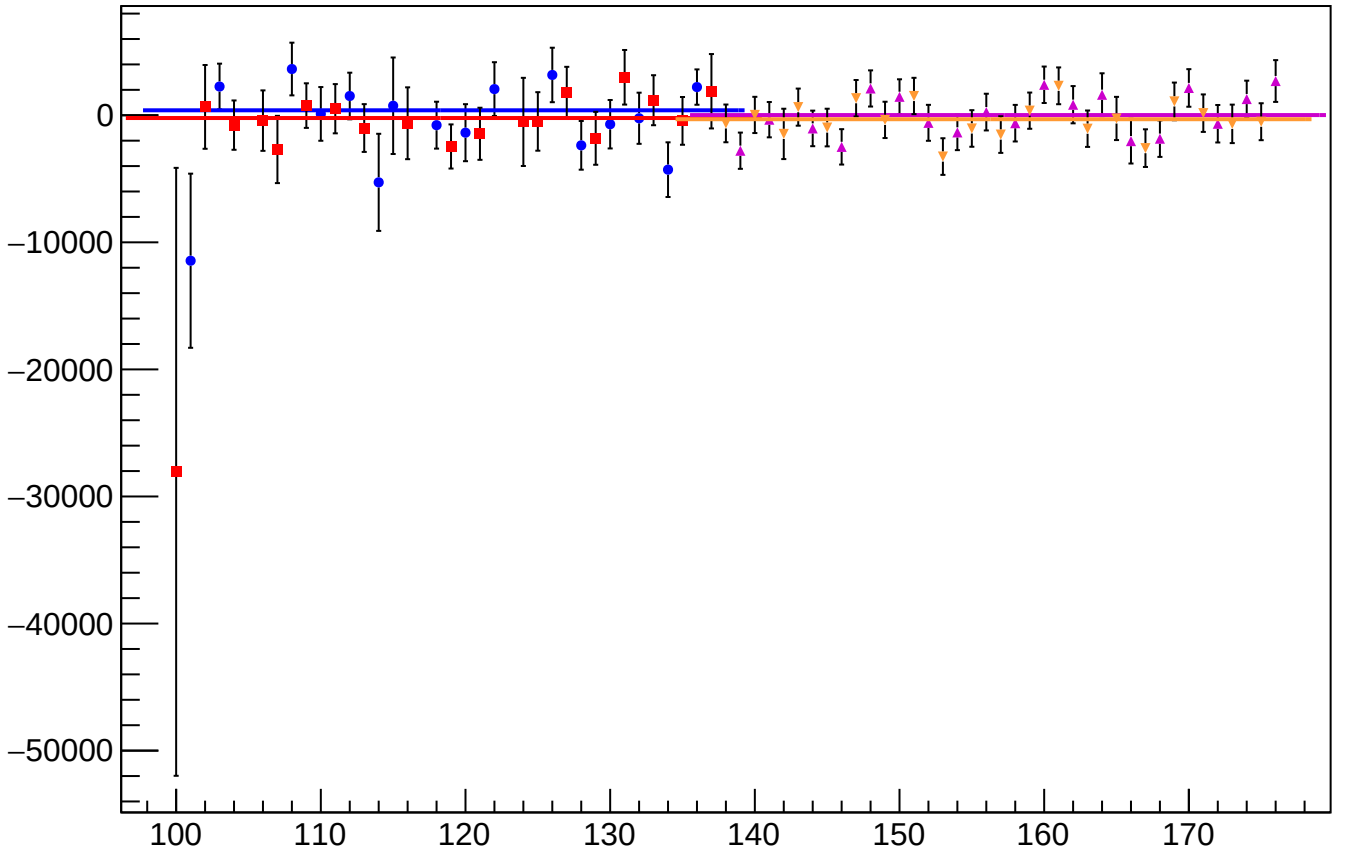
Left: 625.126+/-0.080 χ^2/NDF: 1996563.0/38

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.608+/-0.105 χ^2/NDF:2622611.4/34

Out: 664.333+/-0.102 χ^2/NDF:3298793.4/38

All: 673.702+/-0.073 χ^2/NDF: 5938831.3/73



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.734+/-331.154 χ^2/NDF:16.4/19

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 14.414+/-335.059 χ^2/NDF:25.1/18

Left: -150.572+/-235.530 χ^2/NDF: 41.9/38

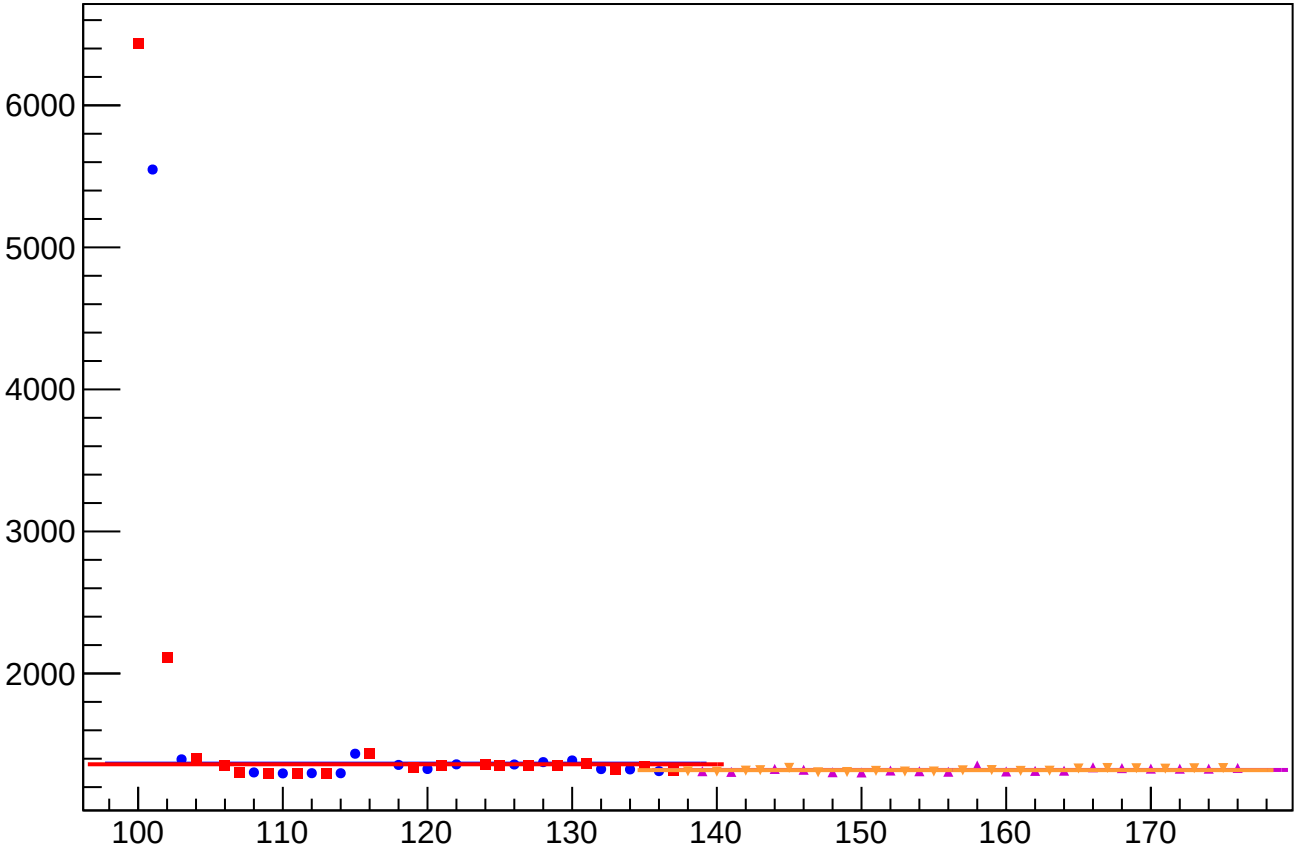
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 124.240+/-281.837 χ^2/NDF:46.8/34

Out: -283.830+/-277.404 χ^2/NDF:26.4/38

All: -83.030+/-197.703 χ^2/NDF: 74.2/73

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

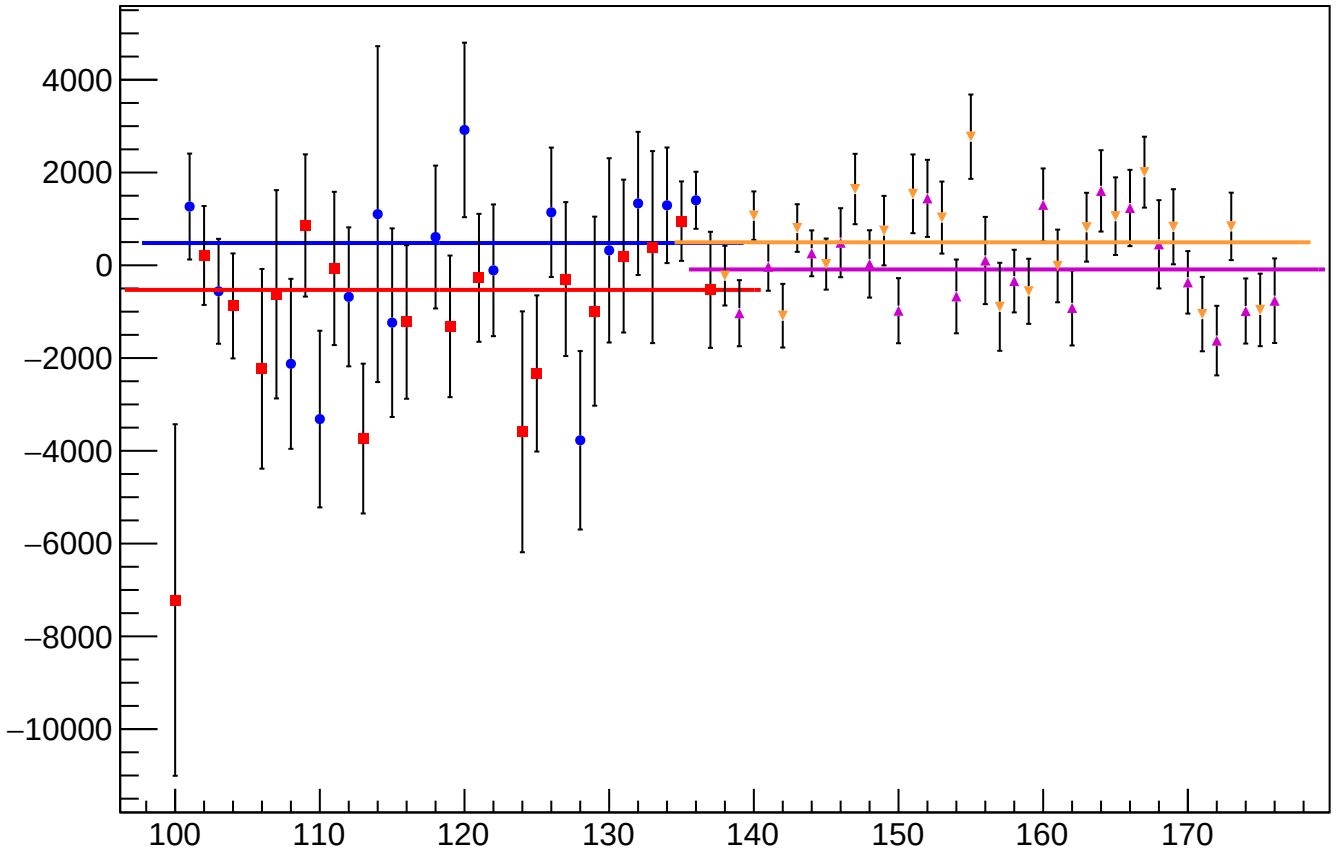
Left: 1320.171+/-0.167 χ^2/NDF: 5015.0/38

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.861+/-0.199 χ^2/NDF:772260.1/34

Out: 1331.806+/-0.196 χ^2/NDF:216554.4/38

All: 1332.817+/-0.140 χ^2/NDF: 988868.6/73



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -89.551+/-166.410 χ^2/NDF:26.0/18

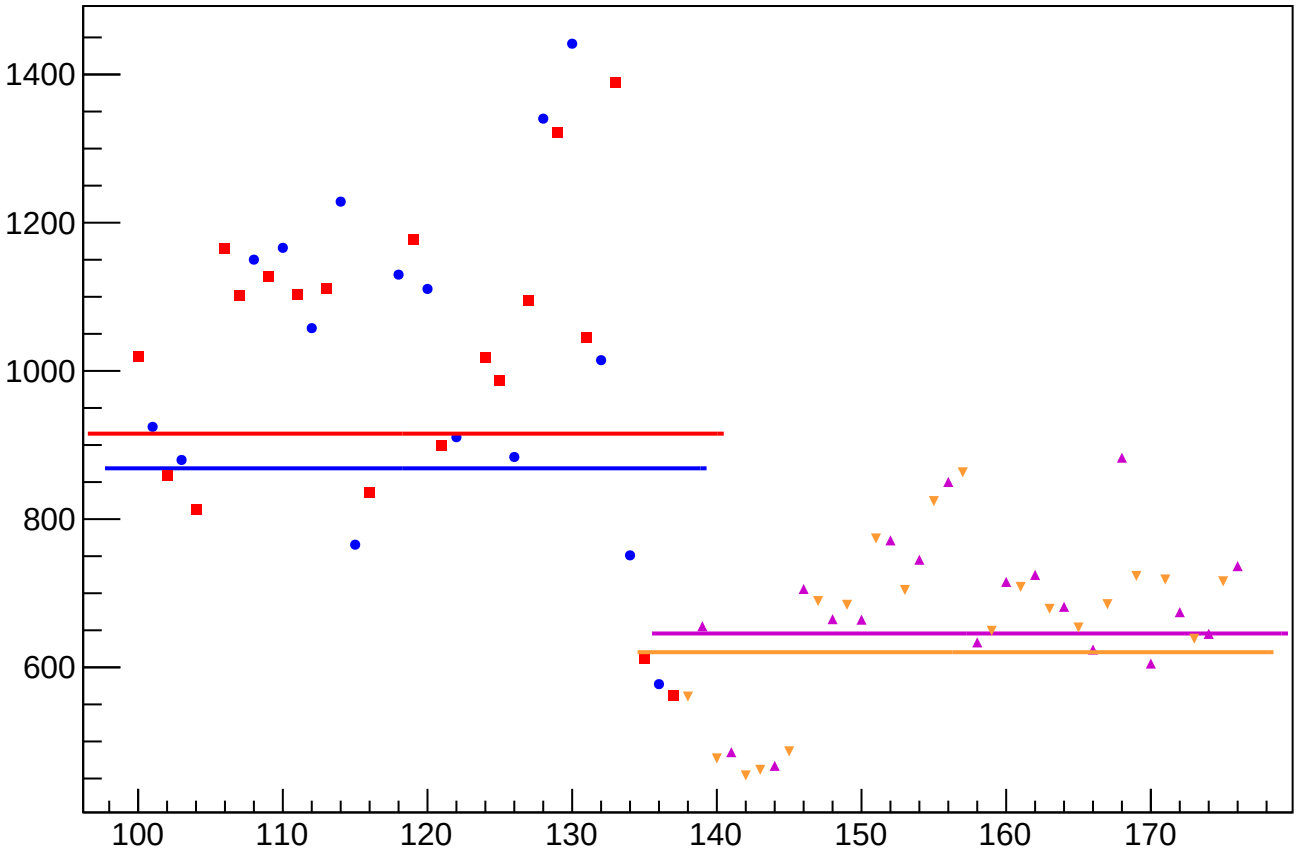
Left: 215.769+/-115.073 χ^2/NDF: 69.0/38

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 22.436+/-149.168 χ^2/NDF:46.9/34

Out: 316.185+/-144.708 χ^2/NDF:59.4/38

All: 173.768+/-103.865 χ^2/NDF: 108.3/73



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098246.6/19

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 645.705+/-0.118 χ^2/NDF:834131.7/18

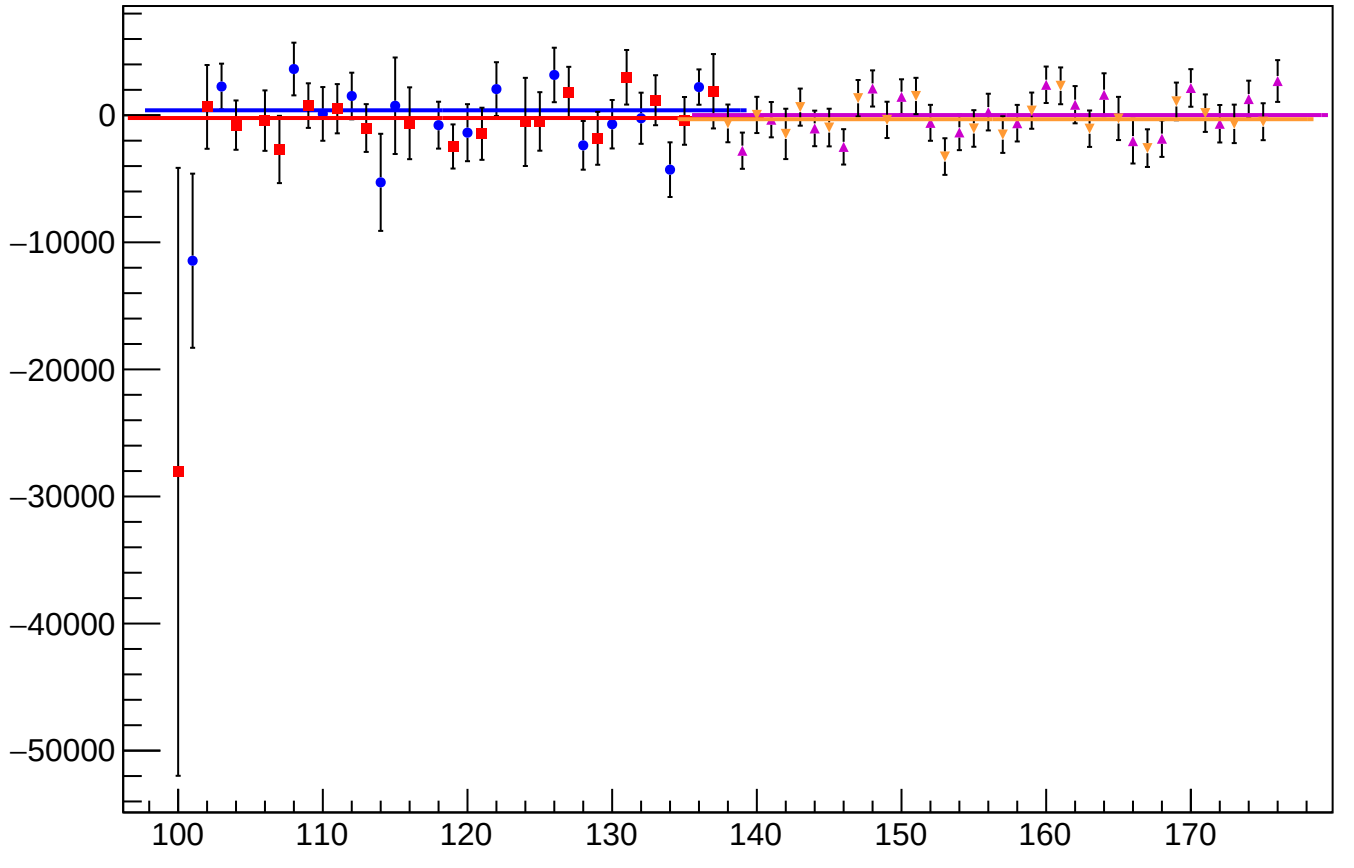
Left: 632.533+/-0.081 χ^2/NDF: 1956392.1/38

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 689.495+/-0.105 χ^2/NDF:2560311.8/34

Out: 672.014+/-0.102 χ^2/NDF:3155300.2/38

All: 680.489+/-0.073 χ^2/NDF: 5729762.8/73



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -311.736+/-331.154 χ^2/NDF:16.4/19

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: 14.414+/-335.059 χ^2/NDF:25.1/18

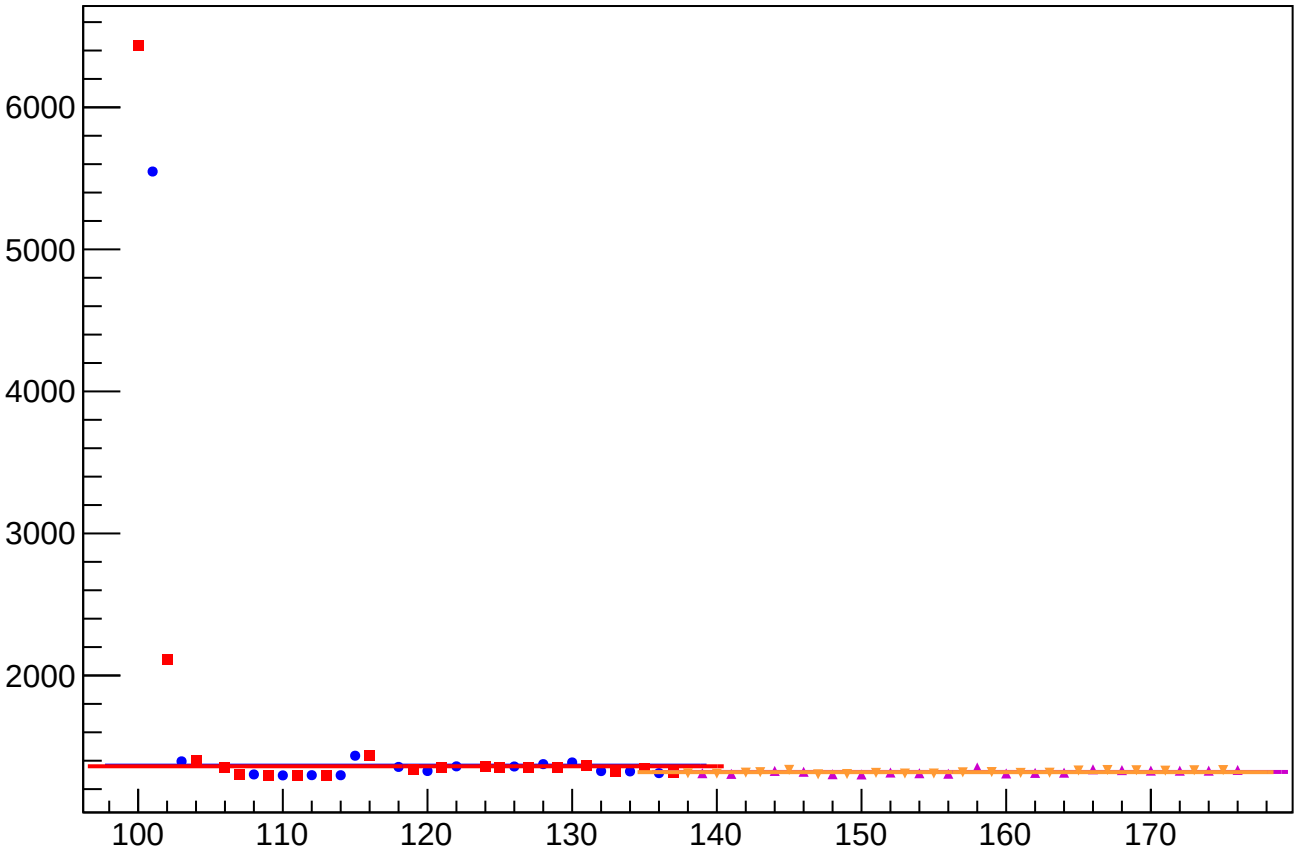
Left: -150.572+/-235.530 χ^2/NDF: 41.9/38

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 124.241+/-281.837 χ^2/NDF:46.8/34

Out: -283.831+/-277.404 χ^2/NDF:26.4/38

All: -83.030+/-197.703 χ^2/NDF: 74.2/73



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1319.493+/-0.234 χ^2/NDF:1970.6/19

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

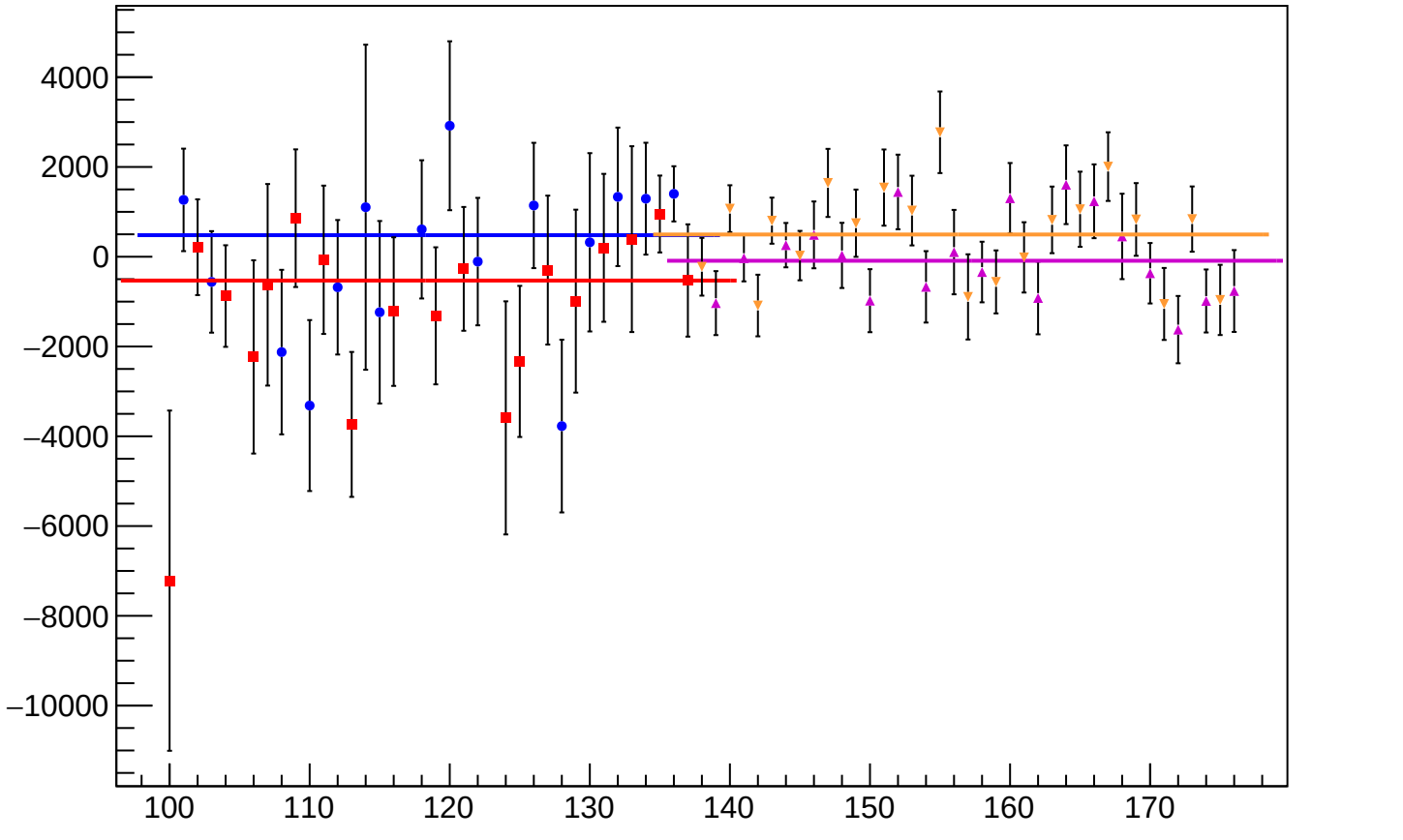
Left: 1320.171+/-0.167 χ^2/NDF: 5015.0/38

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1333.861+/-0.199 χ^2/NDF:772260.1/34

Out: 1331.805+/-0.196 χ^2/NDF:216554.4/38

All: 1332.817+/-0.140 χ^2/NDF: 988868.5/73



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 495.556+/-159.300 χ^2/NDF:36.5/19

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -89.550+/-166.410 χ^2/NDF:26.0/18

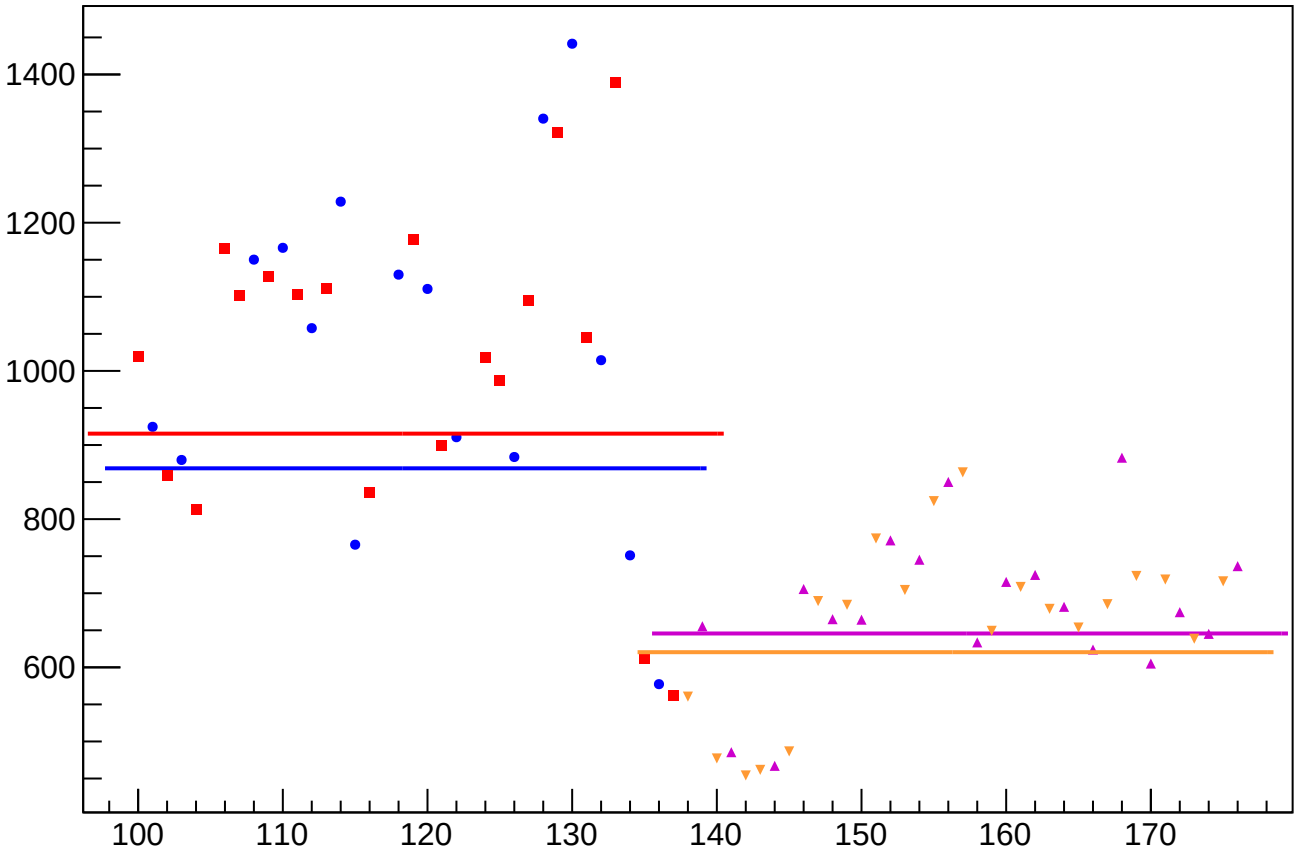
Left: 215.770+/-115.074 χ^2/NDF: 69.0/38

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 22.437+/-149.168 χ^2/NDF:46.9/34

Out: 316.184+/-144.708 χ^2/NDF:59.4/38

All: 173.768+/-103.865 χ^2/NDF: 108.3/73



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 620.463+/-0.113 χ^2/NDF:1098263.7/19

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 645.706+/-0.118 χ^2/NDF:834139.4/18

Left: 632.534+/-0.081 χ^2/NDF: 1956418.4/38

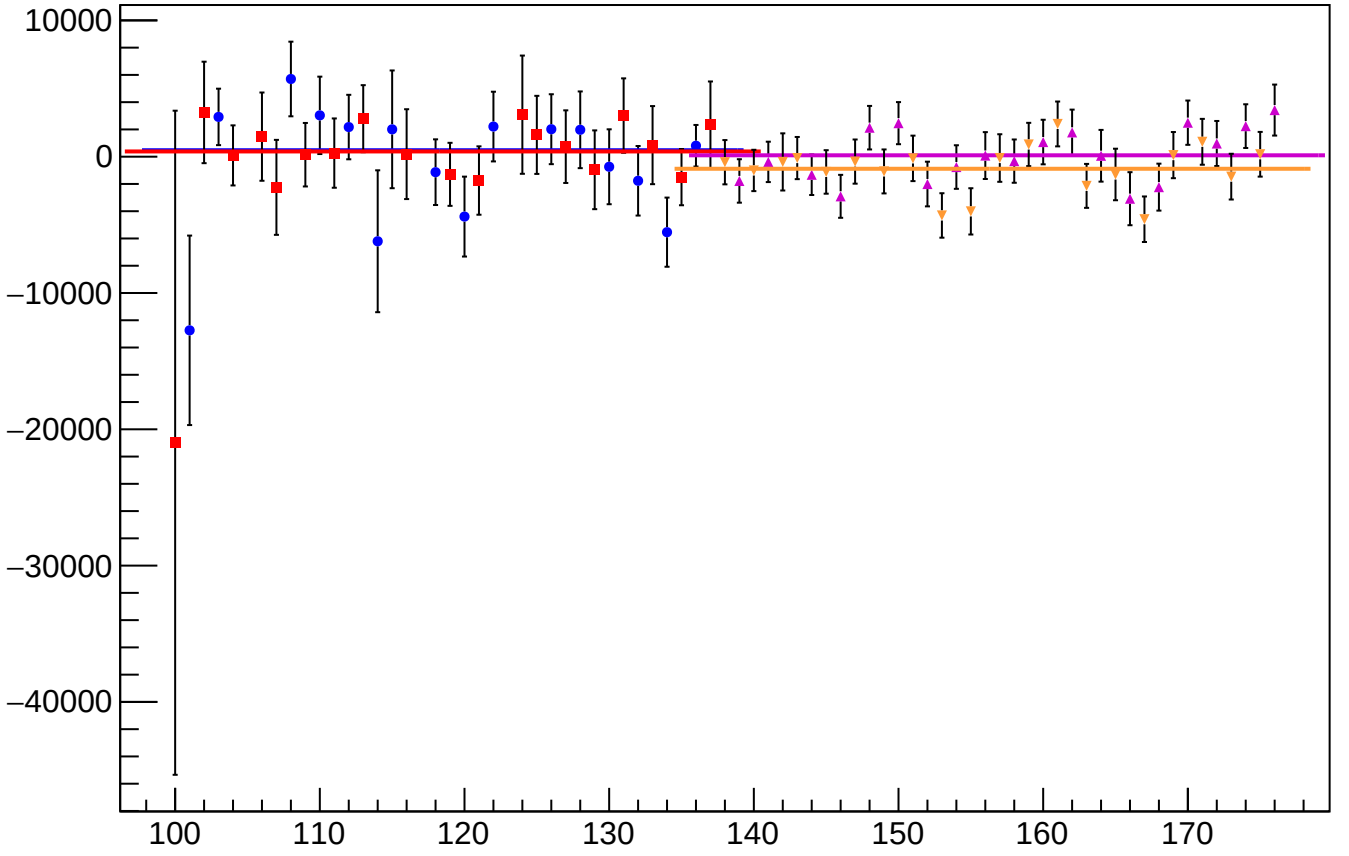
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 689.496+/-0.105 χ^2/NDF:2560298.3/34

Out: 672.014+/-0.102 χ^2/NDF:3155302.8/38

All: 680.490+/-0.073 χ^2/NDF: 5729752.7/73

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -886.246+/-371.476 χ^2/NDF:21.9/19

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 101.974+/-376.713 χ^2/NDF:25.3/18

Left: -399.052+/-264.505 χ^2/NDF: 50.6/38

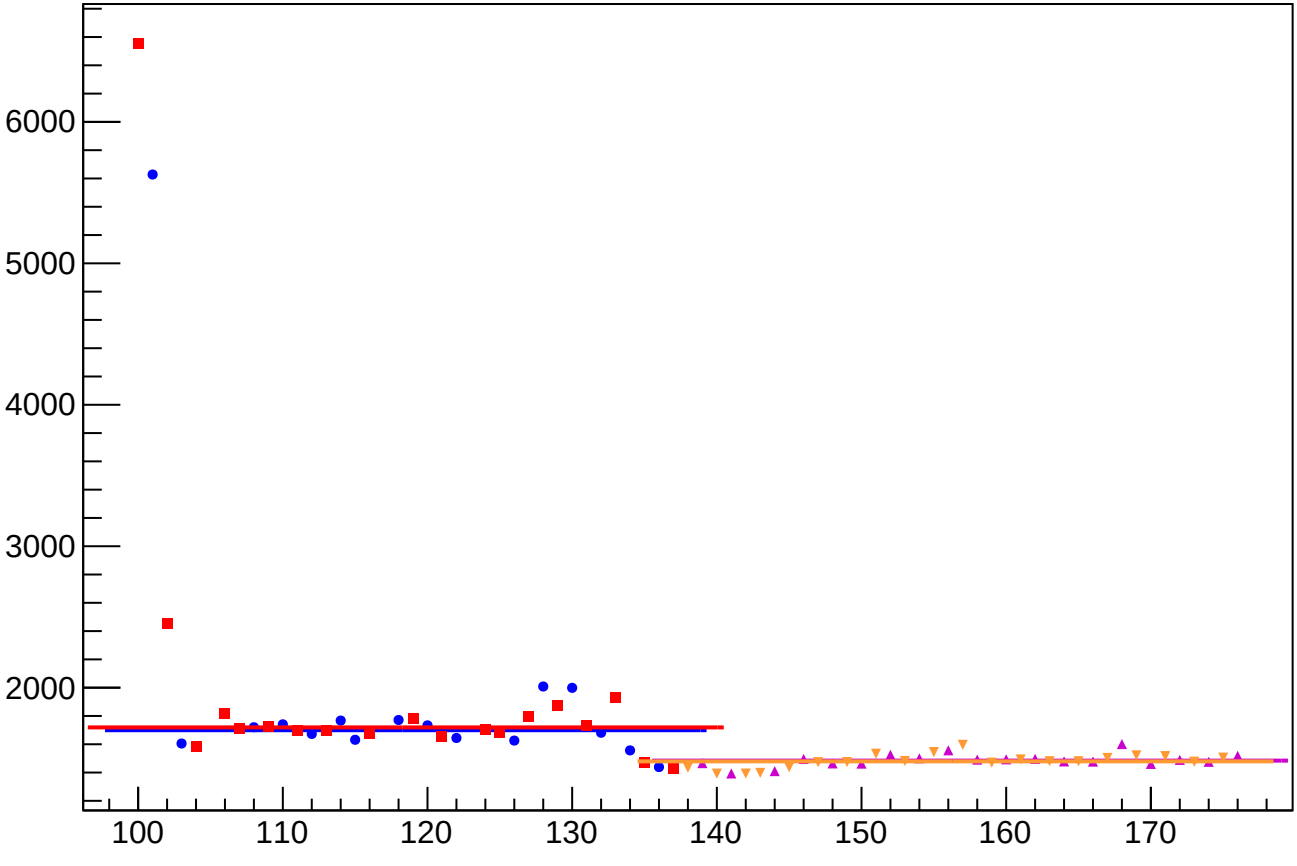
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 195.550+/-325.835 χ^2/NDF:48.2/34

Out: -567.433+/-321.530 χ^2/NDF:32.1/38

All: -191.016+/-228.863 χ^2/NDF: 83.1/73

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1479.123+/-0.263 χ^2/NDF:35808.4/19

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1484.278+/-0.266 χ^2/NDF:29271.6/18

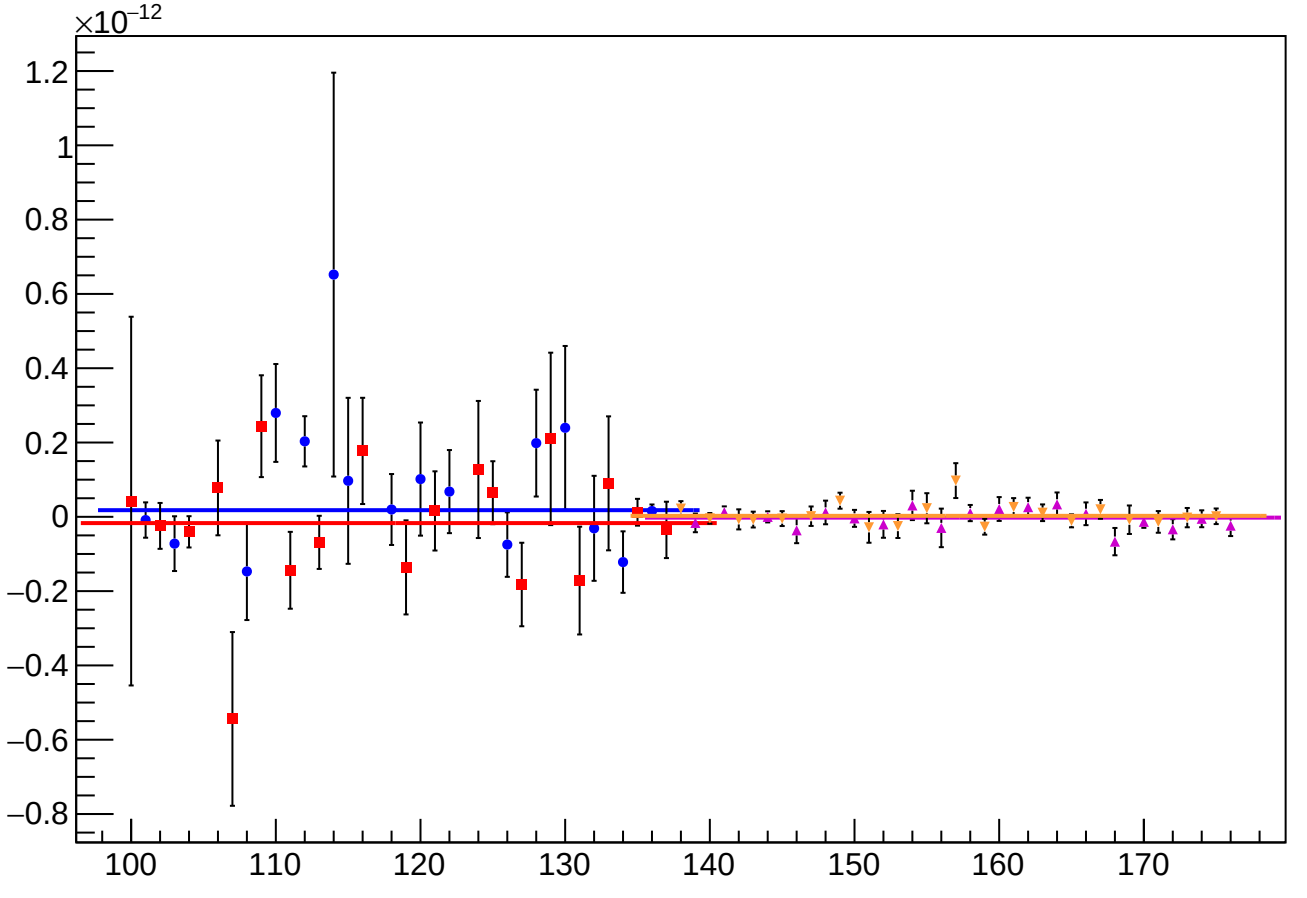
Left: 1481.664+/-0.187 χ^2/NDF: 65269.9/38

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1538.443+/-0.230 χ^2/NDF:955533.4/34

Out: 1539.317+/-0.227 χ^2/NDF:478922.7/38

All: 1538.886+/-0.162 χ^2/NDF: 1434463.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

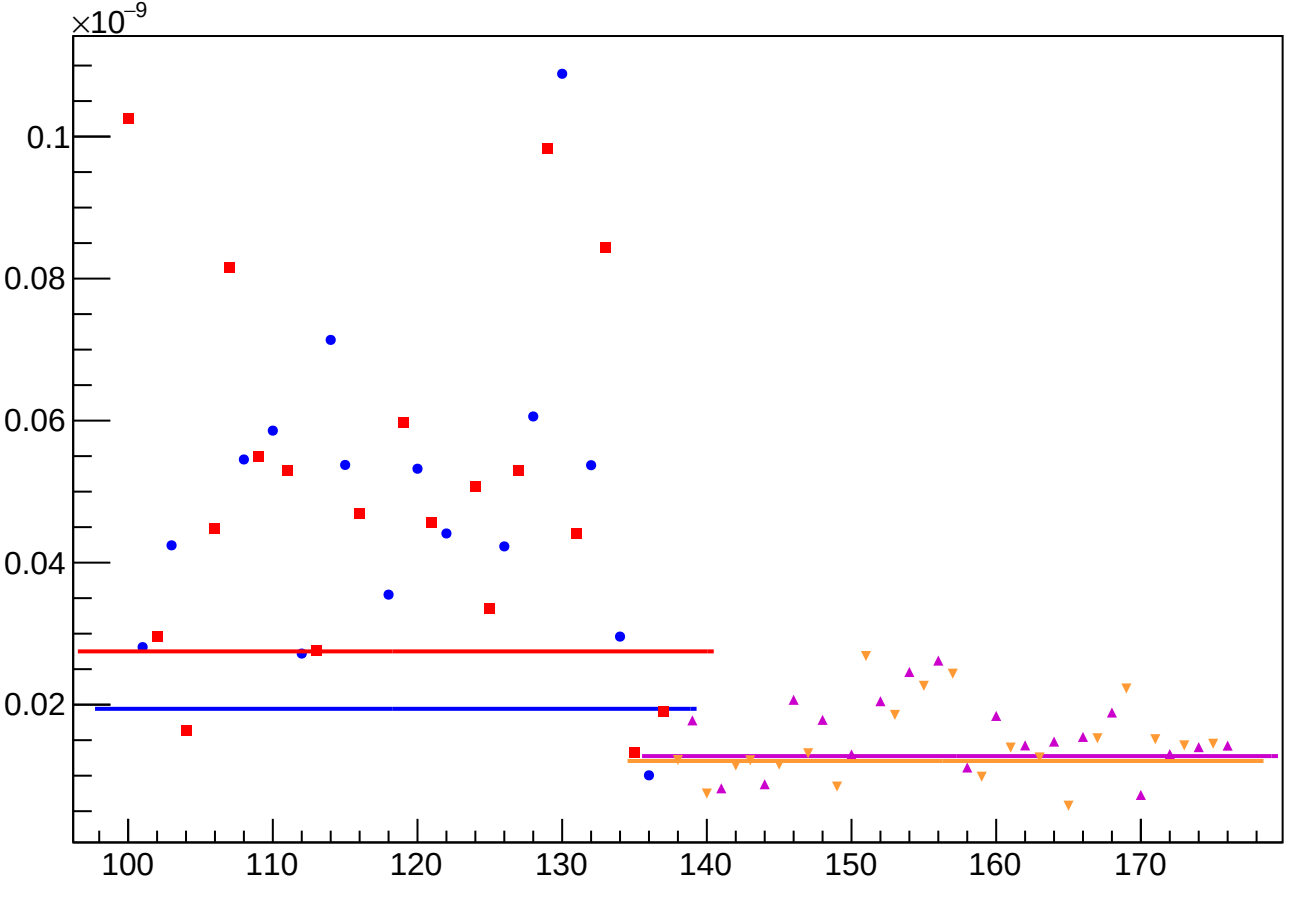
Left: 0.000+/-0.000 χ^2/NDF: 28.3/38

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:37.8/34

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 75.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1406239.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1350694.5/18

Left: 0.000+/-0.000 χ^2/NDF: 2772778.9/38

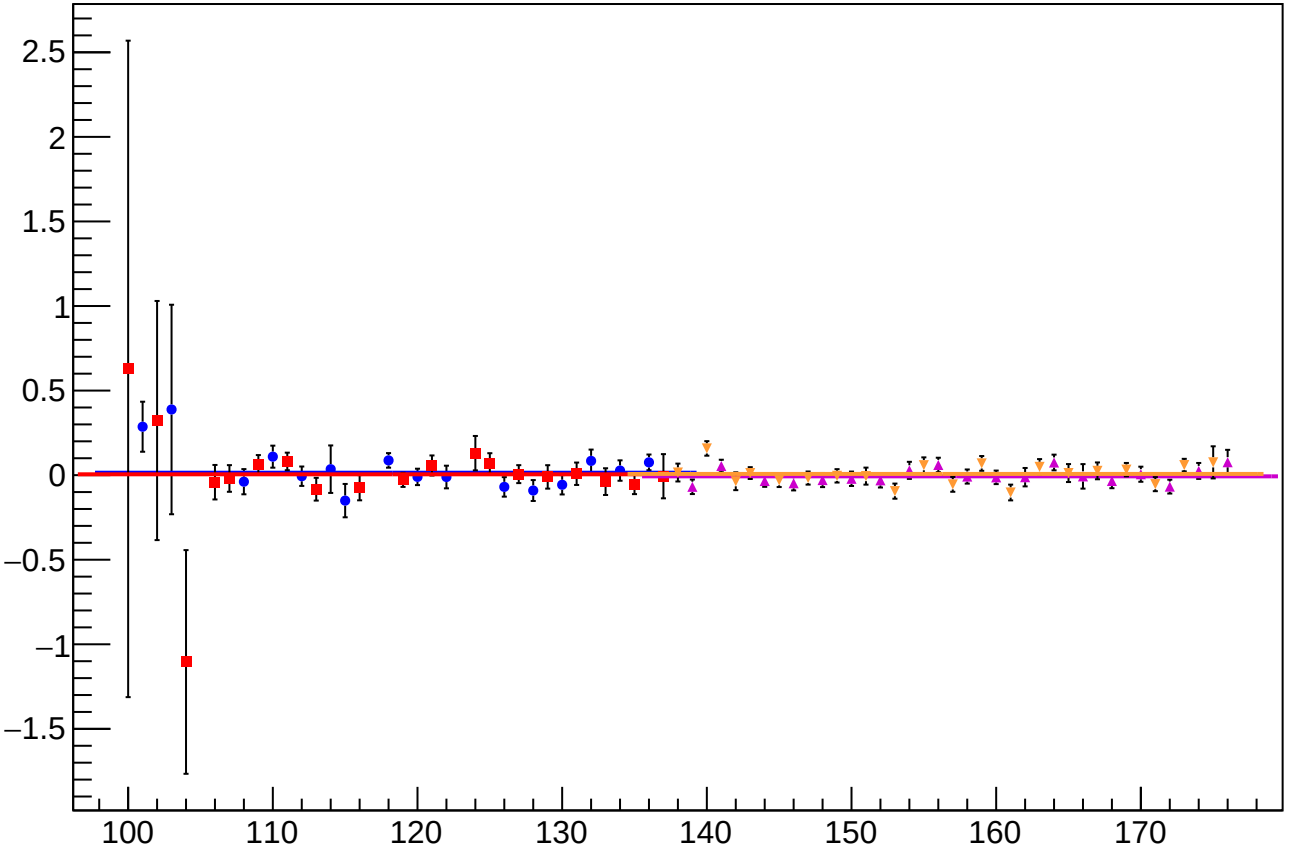
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3996980.4/34

Out: 0.000+/-0.000 χ^2/NDF:4268676.6/38

All: 0.000+/-0.000 χ^2/NDF: 8274412.2/73

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: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

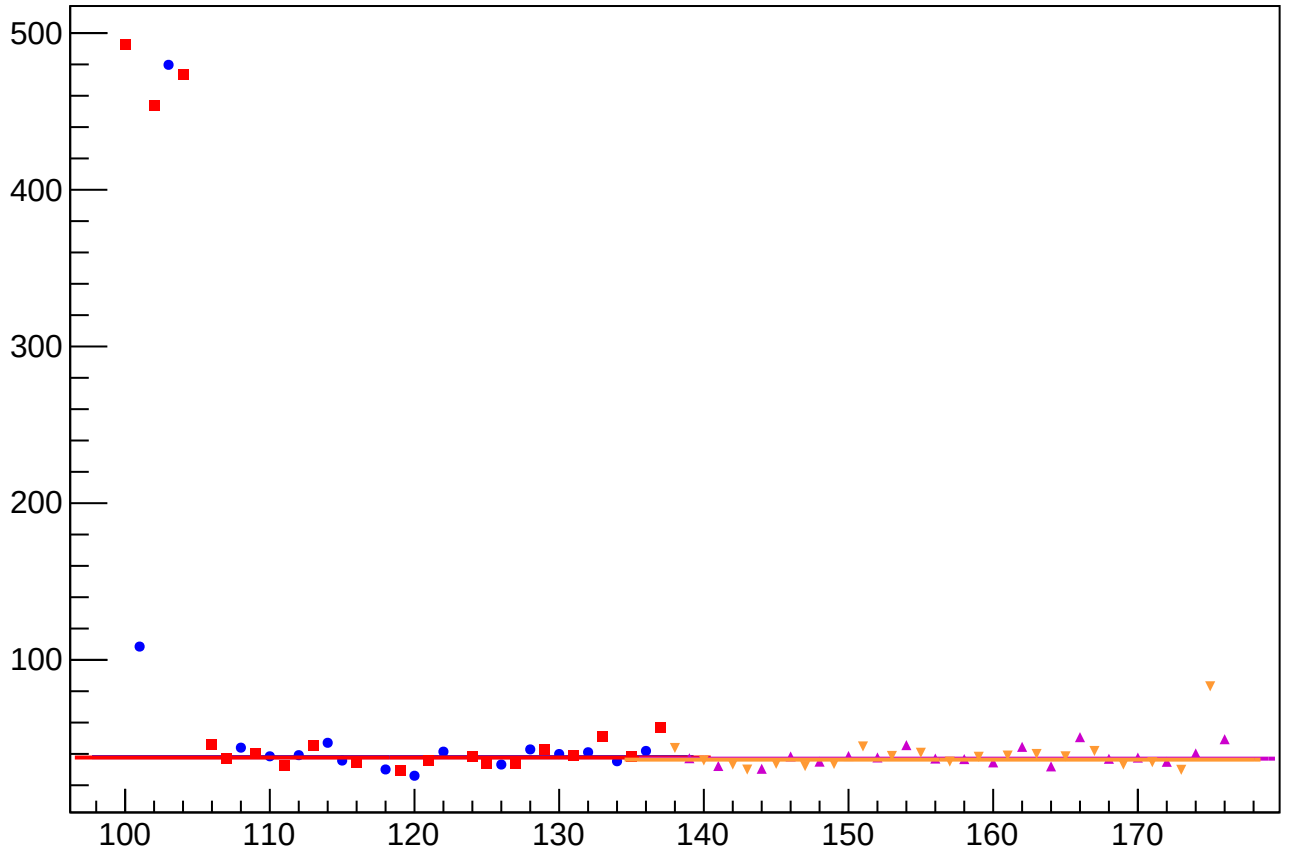
Left: 0.000+/-0.007 χ^2/NDF: 55.1/38

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

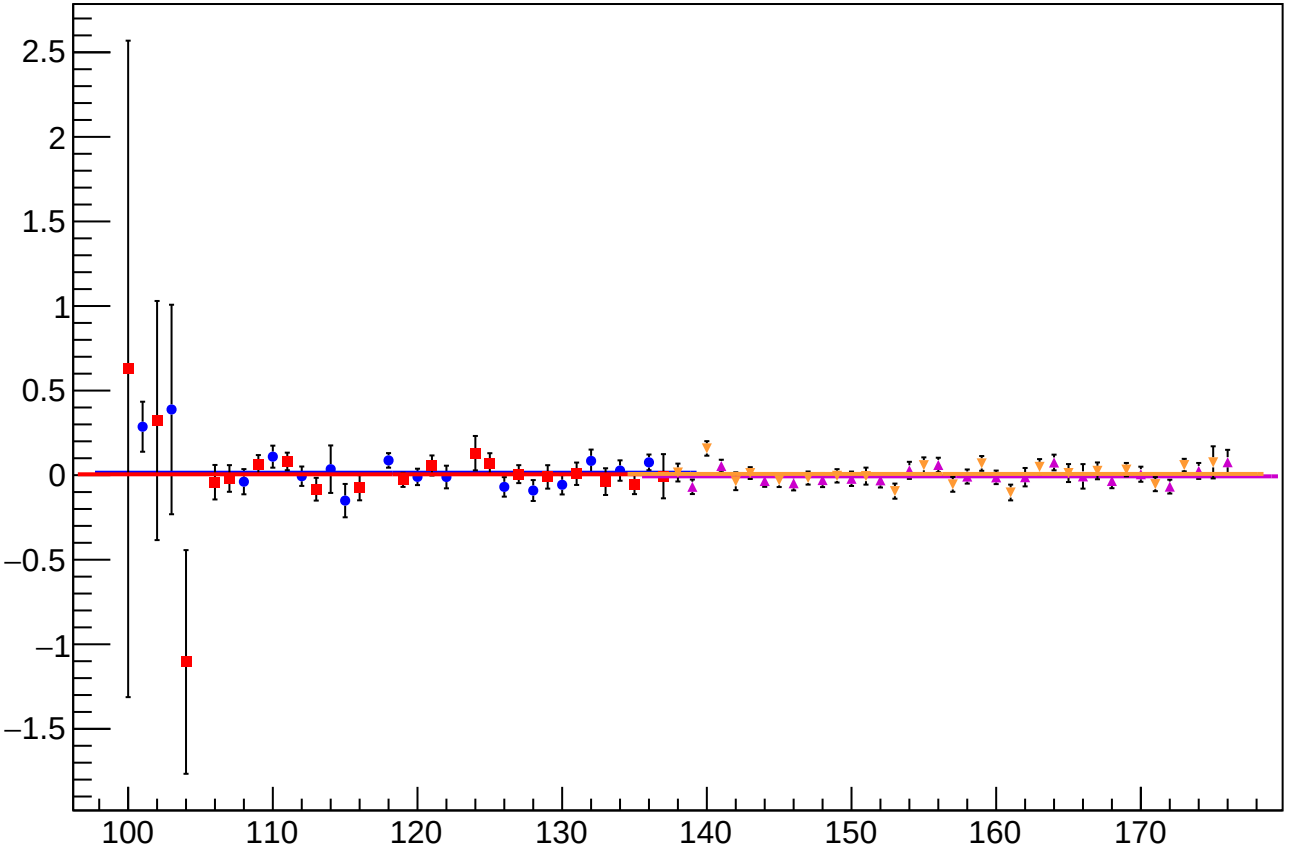
In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.003+/-0.006 χ^2/NDF: 92.7/73


asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
170
Right In: 37.942+/-0.011 χ²/NDF: 1739669.4/15
Left Out: 36.354+/-0.007 χ²/NDF:847808.4/19
Right Out: 37.696+/-0.011 χ²/NDF: 1944881.8/18
Left In: 36.980+/-0.007 χ²/NDF:383230.2/18
Left: 36.661+/-0.005 χ²/NDF: 1234936.4/38
Right: 37.820+/-0.008 χ²/NDF: 3684788.8/34
In: 37.257+/-0.006 χ²/NDF:2128095.9/34
Out: 36.725+/-0.006 χ²/NDF:2802800.0/38
All: 36.988+/-0.004 χ²/NDF: 4934814.4/73

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: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

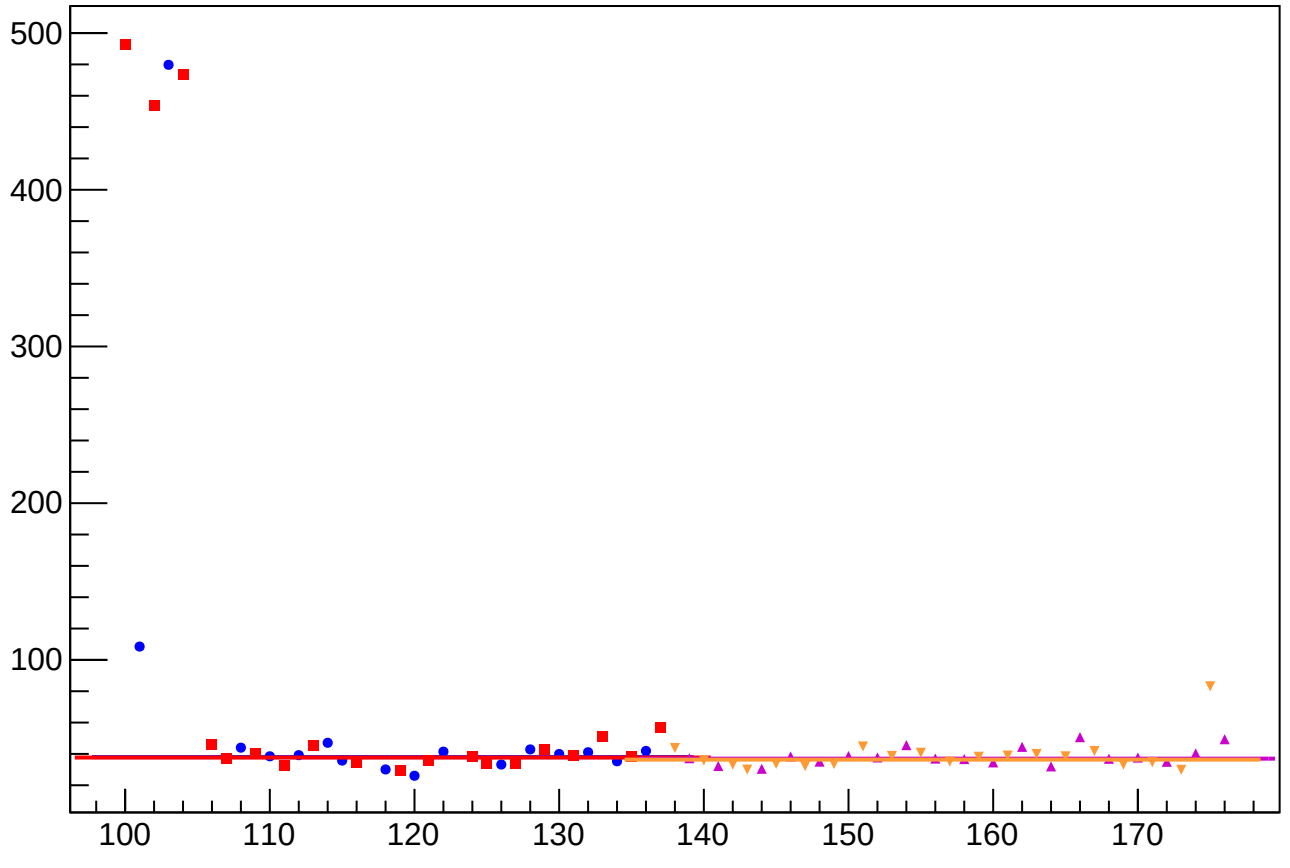
Left: 0.000+/-0.007 χ^2/NDF: 55.1/38

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.003+/-0.006 χ^2/NDF: 92.7/73



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.354+/-0.007 χ^2/NDF:847808.4/19

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

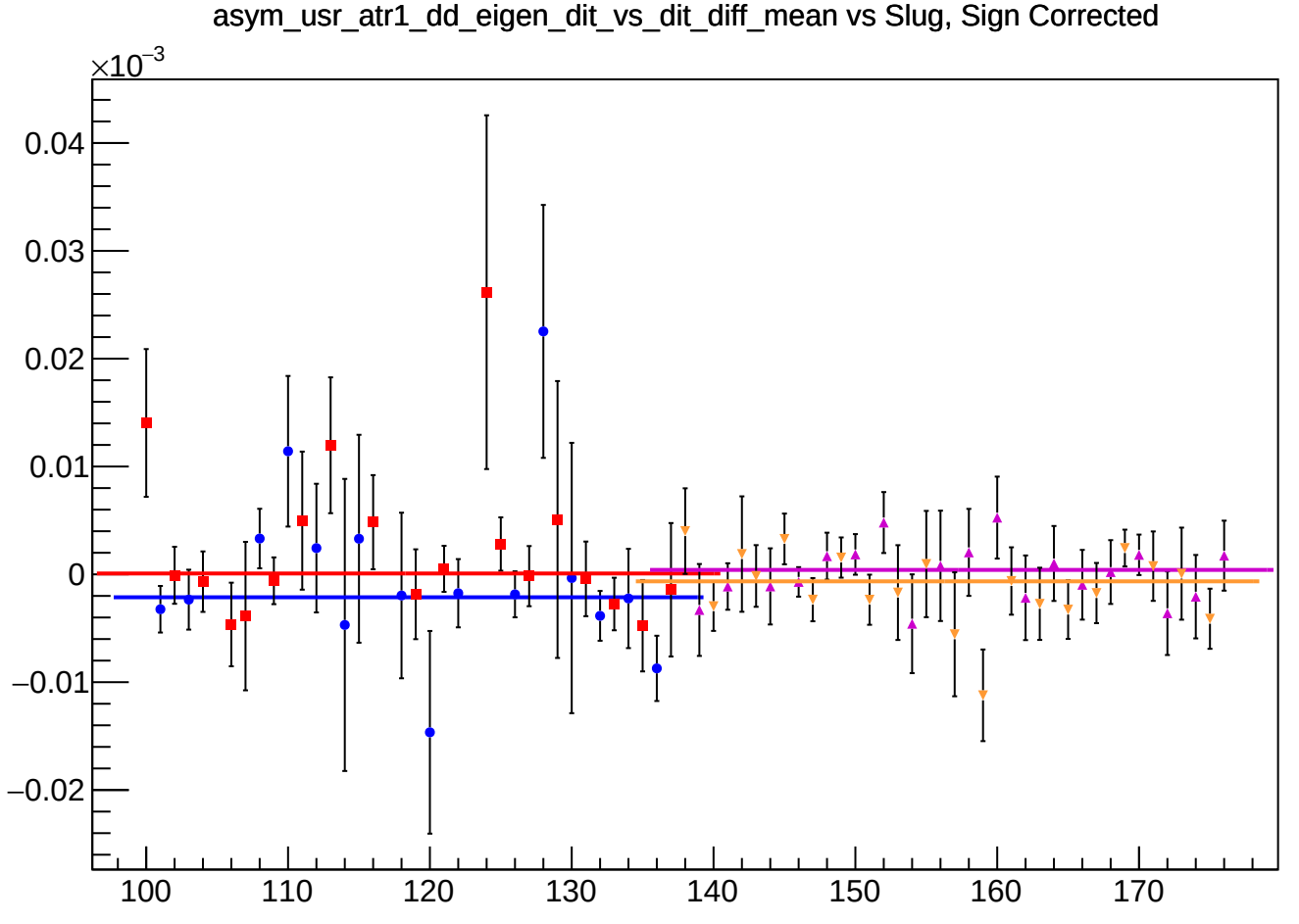
Left: 36.661+/-0.005 χ^2/NDF: 1234936.4/38

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.257+/-0.006 χ^2/NDF:2128095.9/34

Out: 36.725+/-0.006 χ^2/NDF:2802800.0/38

All: 36.988+/-0.004 χ^2/NDF: 4934814.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/18

Left: -0.000+/-0.000 χ^2/NDF: 34.4/38

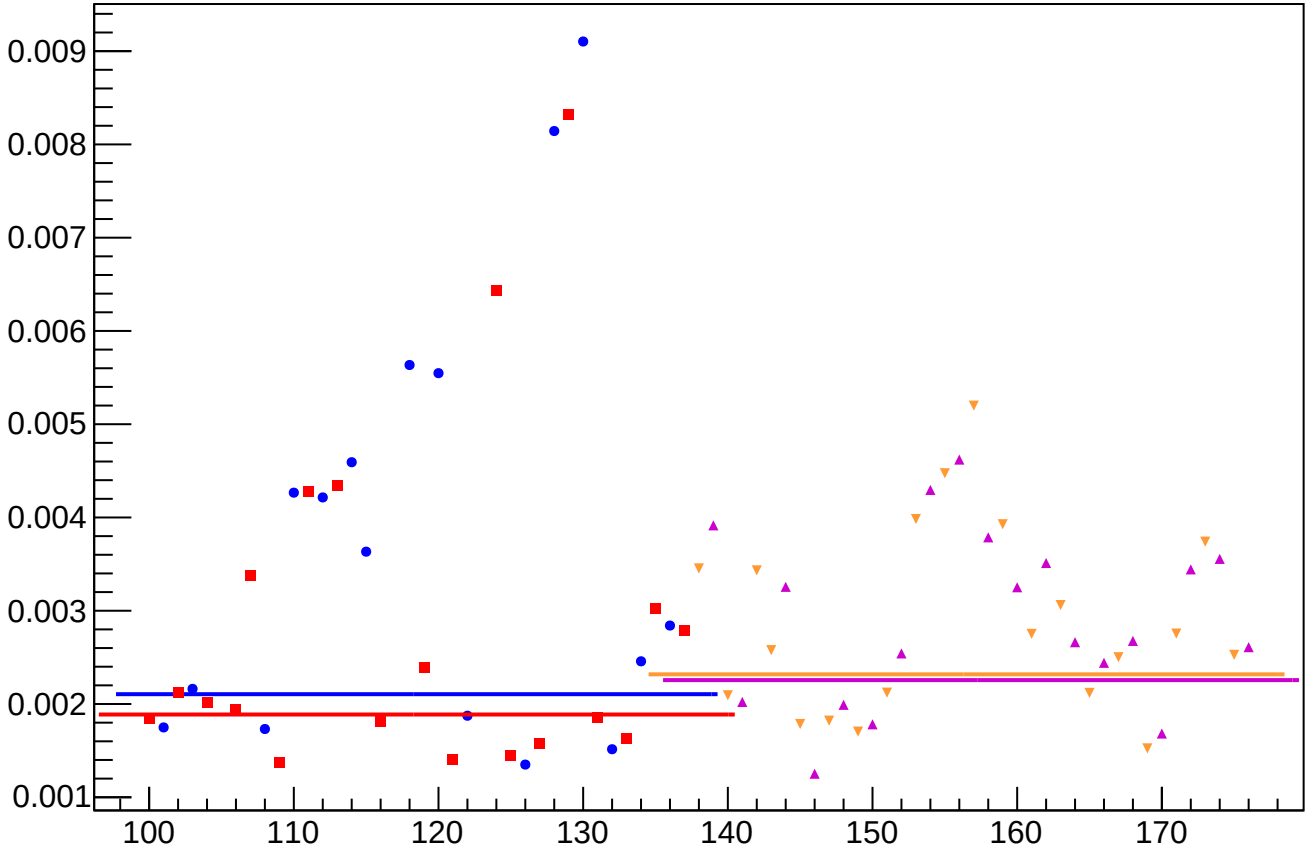
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:37.1/34

Out: -0.000+/-0.000 χ^2/NDF:40.6/38

All: -0.000+/-0.000 χ^2/NDF: 77.7/73

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3062236.8/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3891116.1/18

Left: 0.002+/-0.000 χ^2/NDF: 6963256.2/38

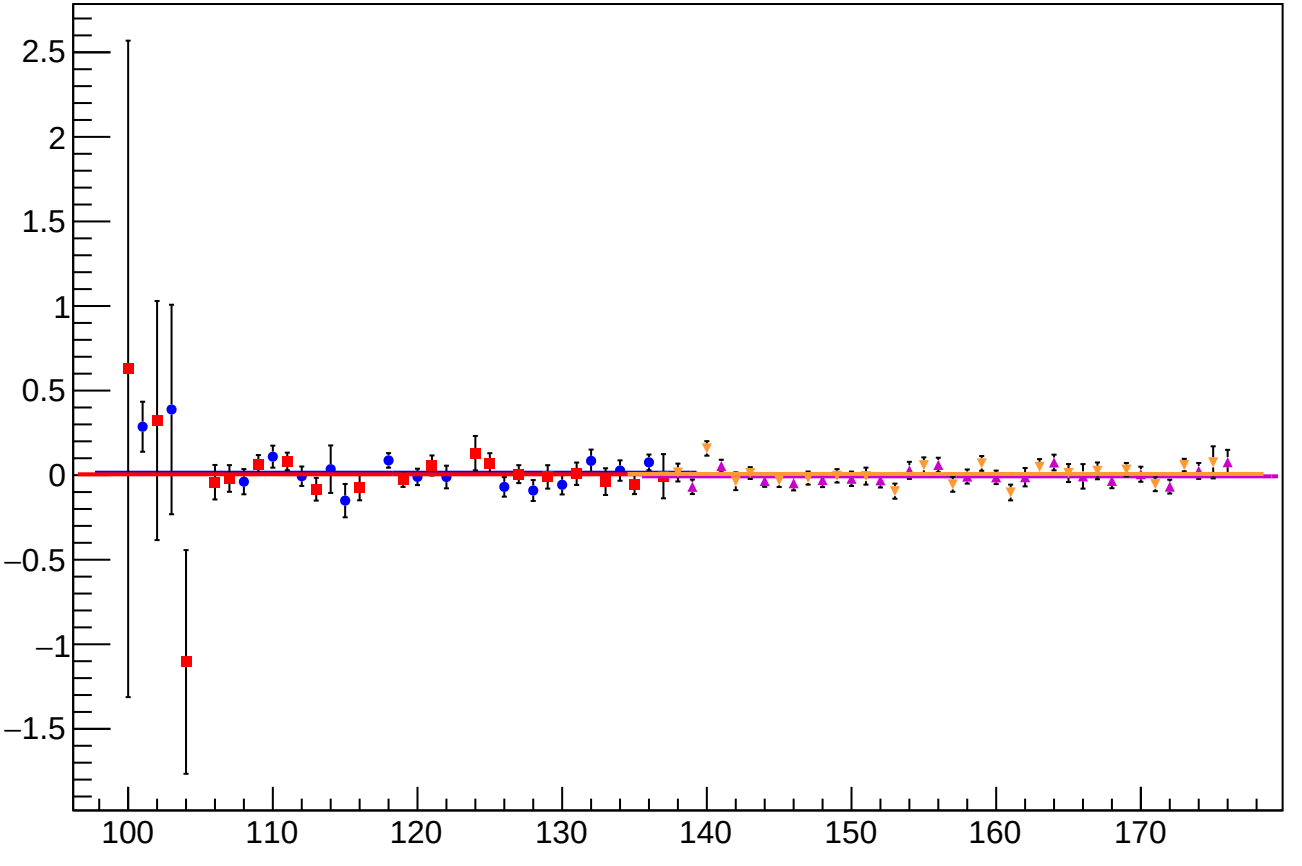
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6946967.9/34

Out: 0.002+/-0.000 χ^2/NDF:5321380.2/38

All: 0.002+/-0.000 χ^2/NDF: 12280309.7/73

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: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

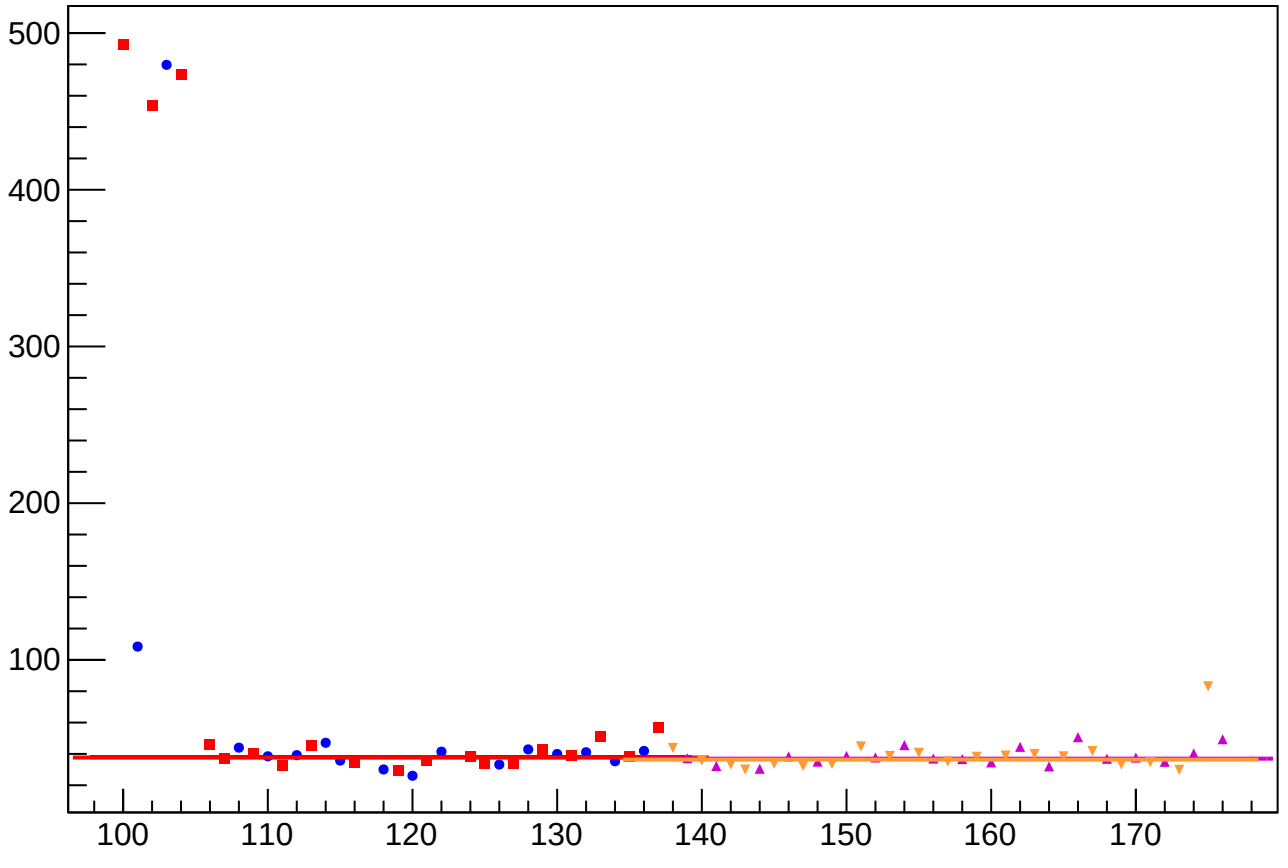
Left: 0.000+/-0.007 χ^2/NDF: 55.1/38

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.003+/-0.006 χ^2/NDF: 92.7/73



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.354+/-0.007 χ^2/NDF:847846.1/19

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

Left: 36.661+/-0.005 χ^2/NDF: 1235014.0/38

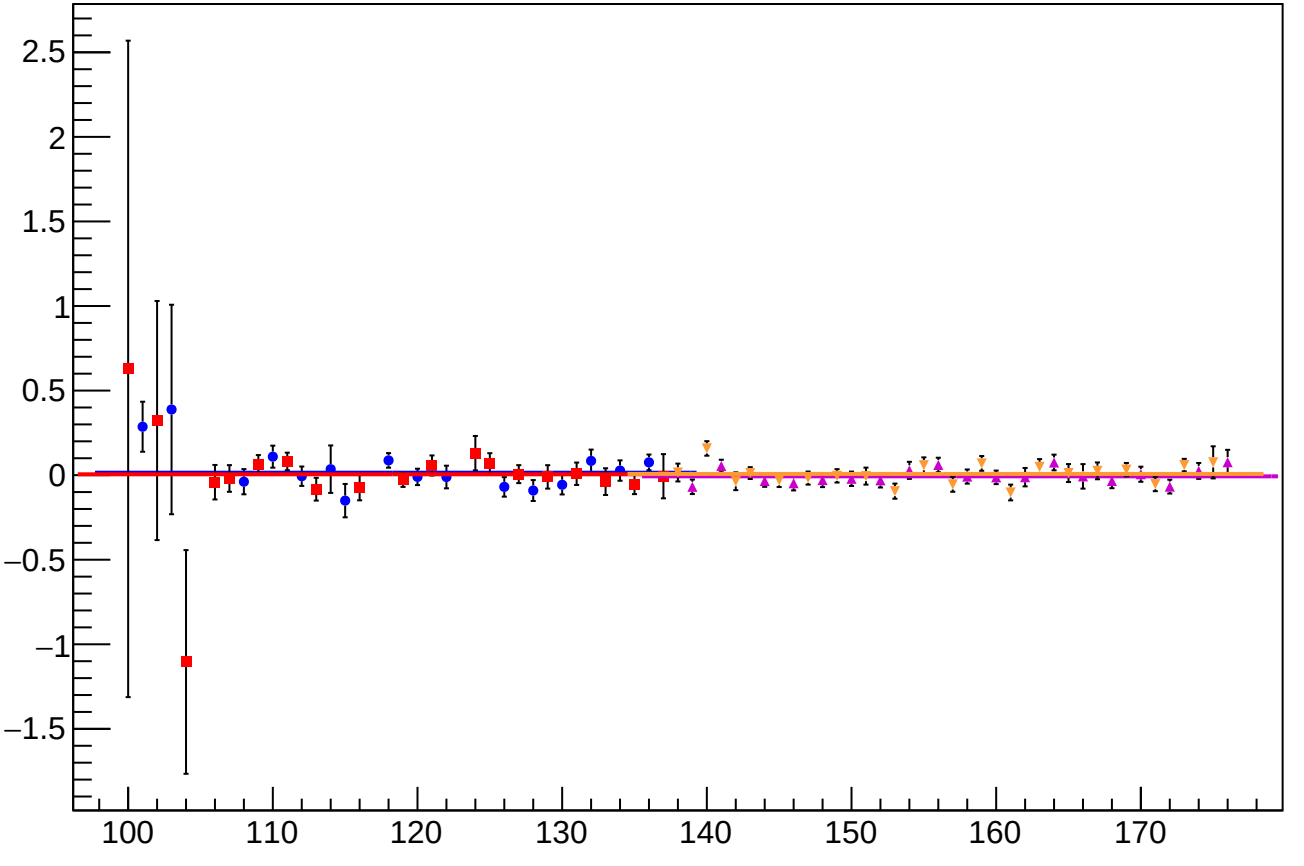
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.257+/-0.006 χ^2/NDF:2128148.2/34

Out: 36.725+/-0.006 χ^2/NDF:2802898.5/38

All: 36.987+/-0.004 χ^2/NDF: 4934965.6/73

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: 0.007+/-0.010 χ^2/NDF:36.4/19

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

Left: 0.000+/-0.007 χ^2/NDF: 55.1/38

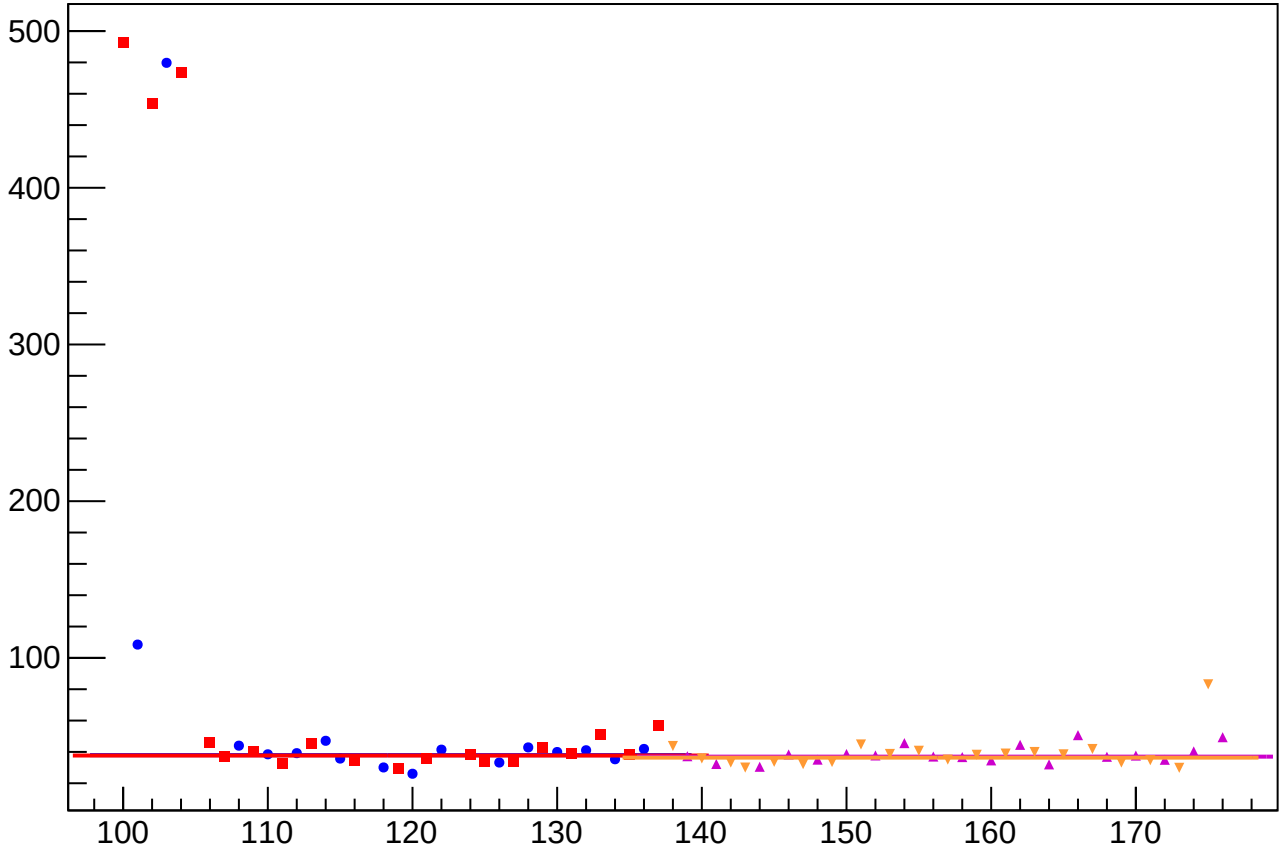
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.007+/-0.008 χ^2/NDF:51.3/38

All: 0.003+/-0.006 χ^2/NDF: 92.7/73

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: 36.354+/-0.007 χ^2/NDF:847846.1/19

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

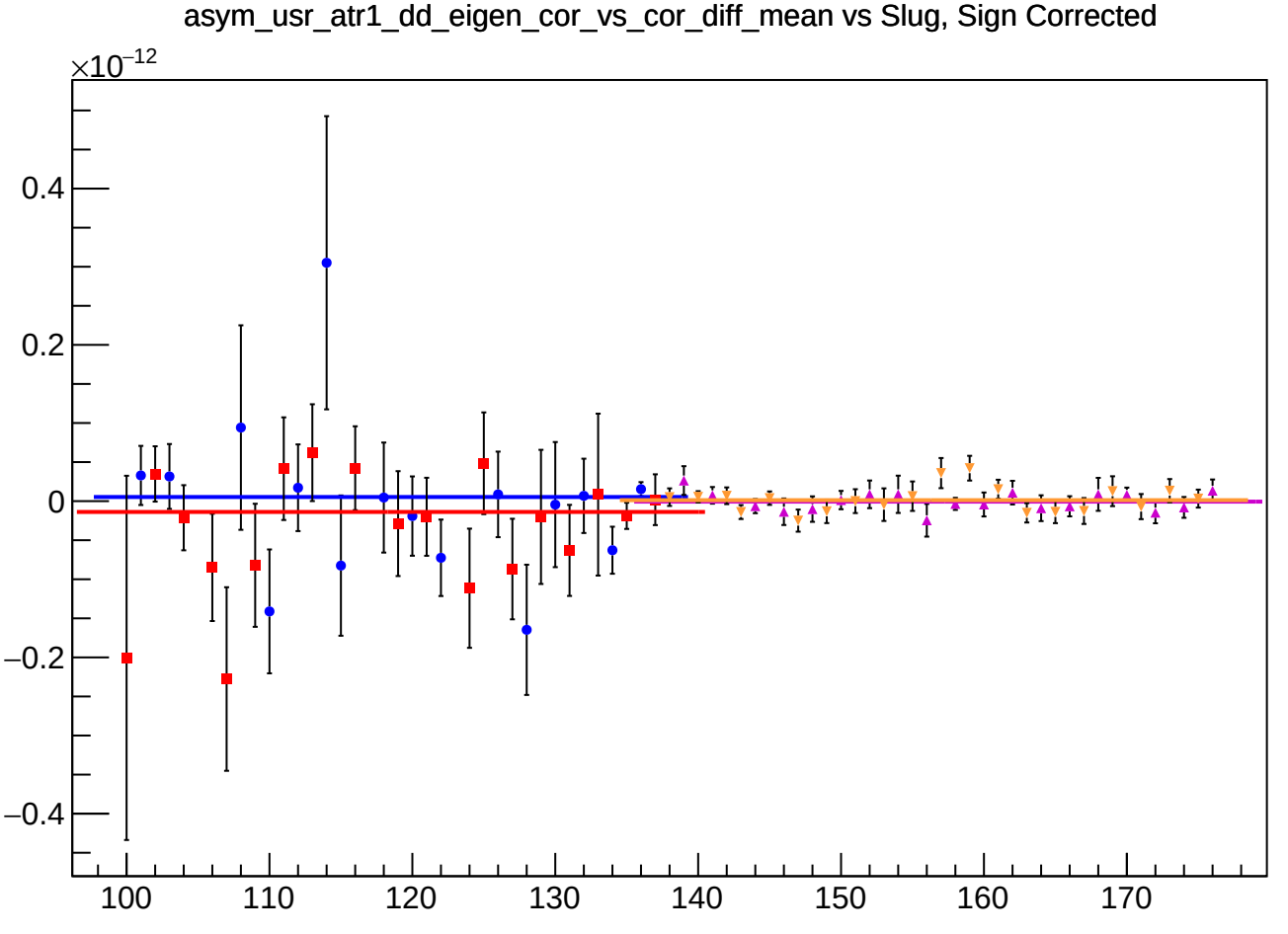
Left: 36.661+/-0.005 χ^2/NDF: 1235014.0/38

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.257+/-0.006 χ^2/NDF:2128148.2/34

Out: 36.725+/-0.006 χ^2/NDF:2802898.5/38

All: 36.987+/-0.004 χ^2/NDF: 4934965.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/18

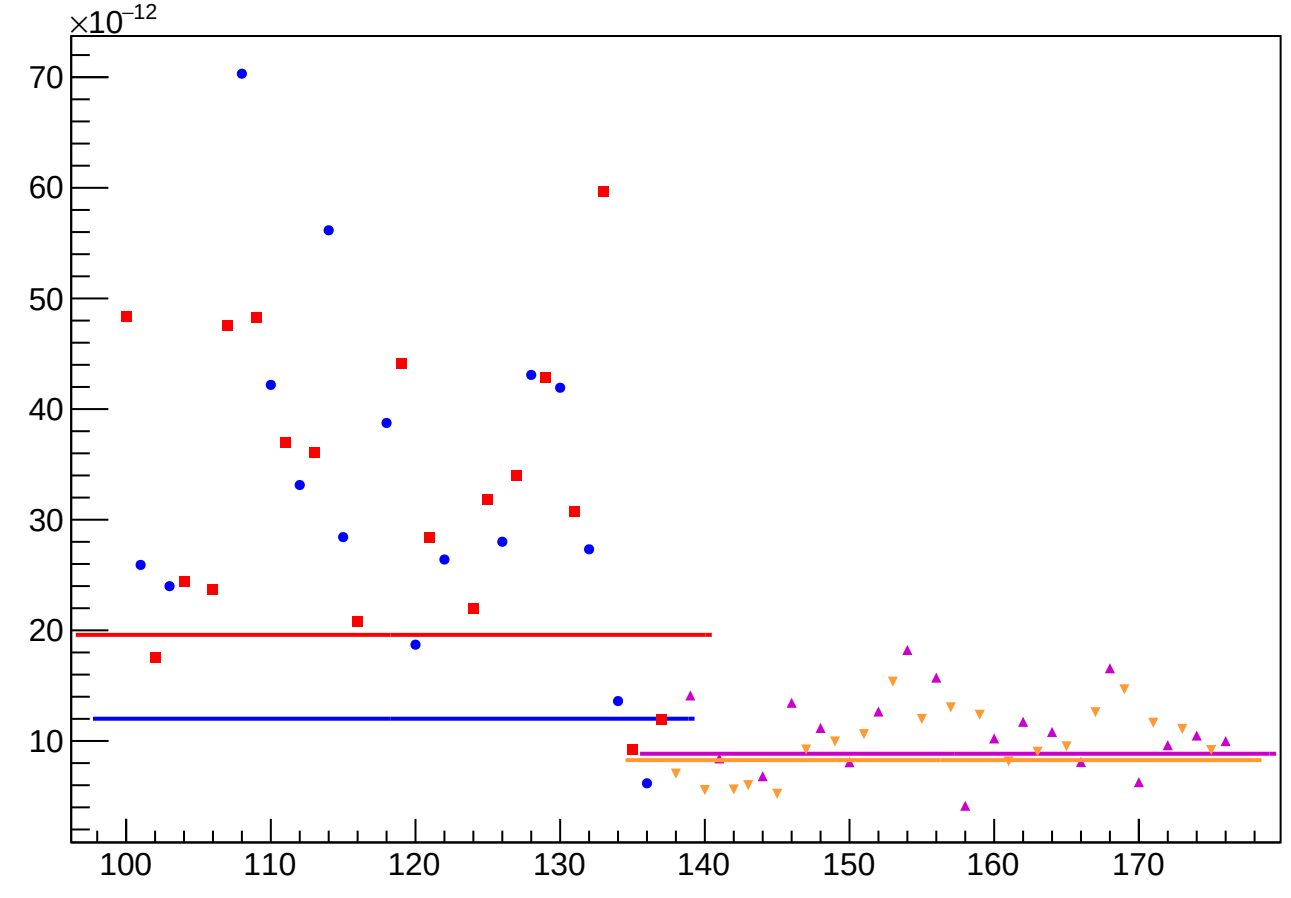
Left: 0.000+/-0.000 χ^2/NDF: 34.9/38

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/34

Out: 0.000+/-0.000 χ^2/NDF:42.1/38

All: 0.000+/-0.000 χ^2/NDF: 74.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2007536.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2417279.8/18

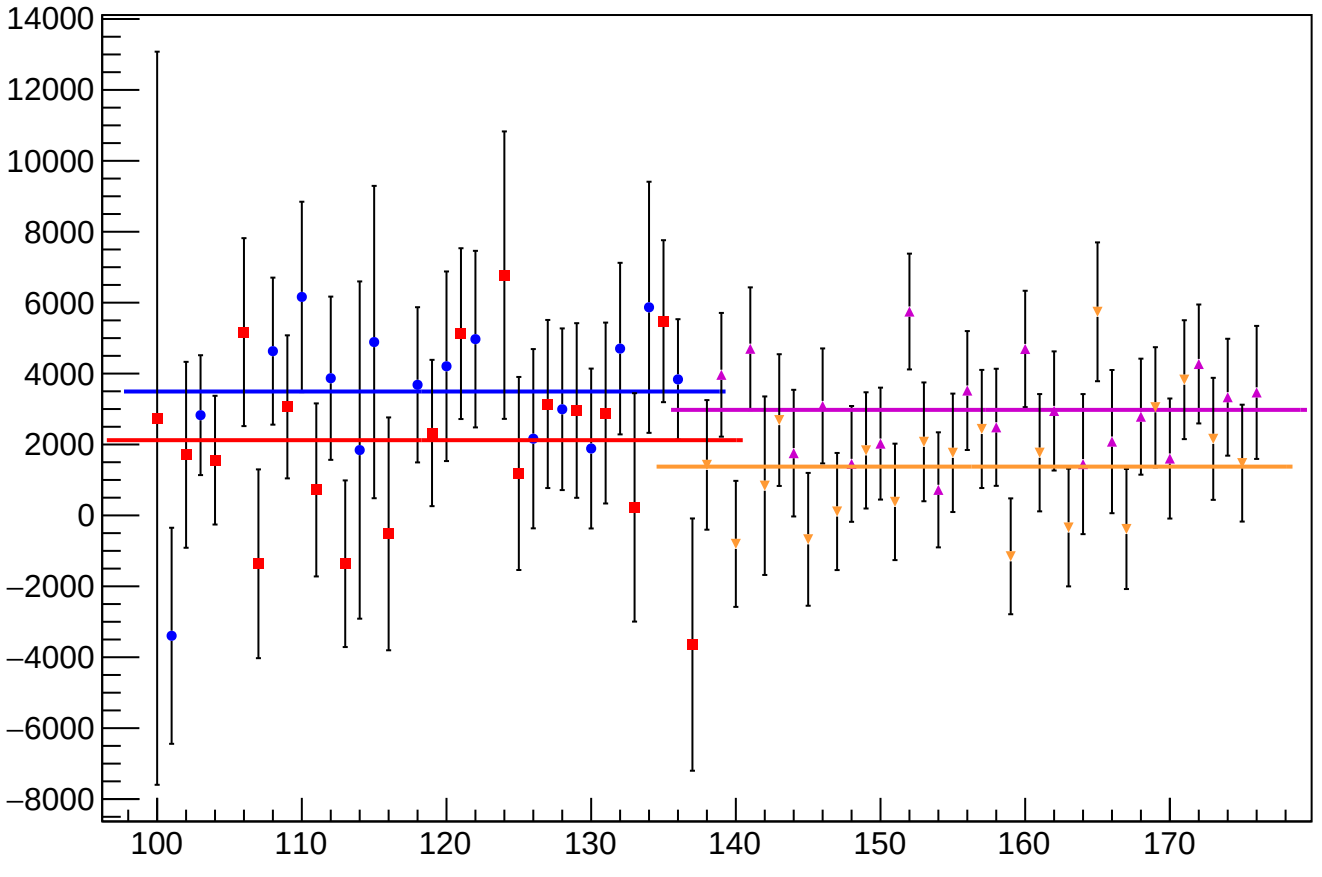
Left: 0.000+/-0.000 χ^2/NDF: 4464286.2/38

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6589273.2/34

Out: 0.000+/-0.000 χ^2/NDF:6775578.9/38

All: 0.000+/-0.000 χ^2/NDF: 13374301.7/73



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.900+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2976.400+/-390.238 χ^2/NDF:11.3/18

Left: 2170.712+/-275.001 χ^2/NDF: 37.6/38

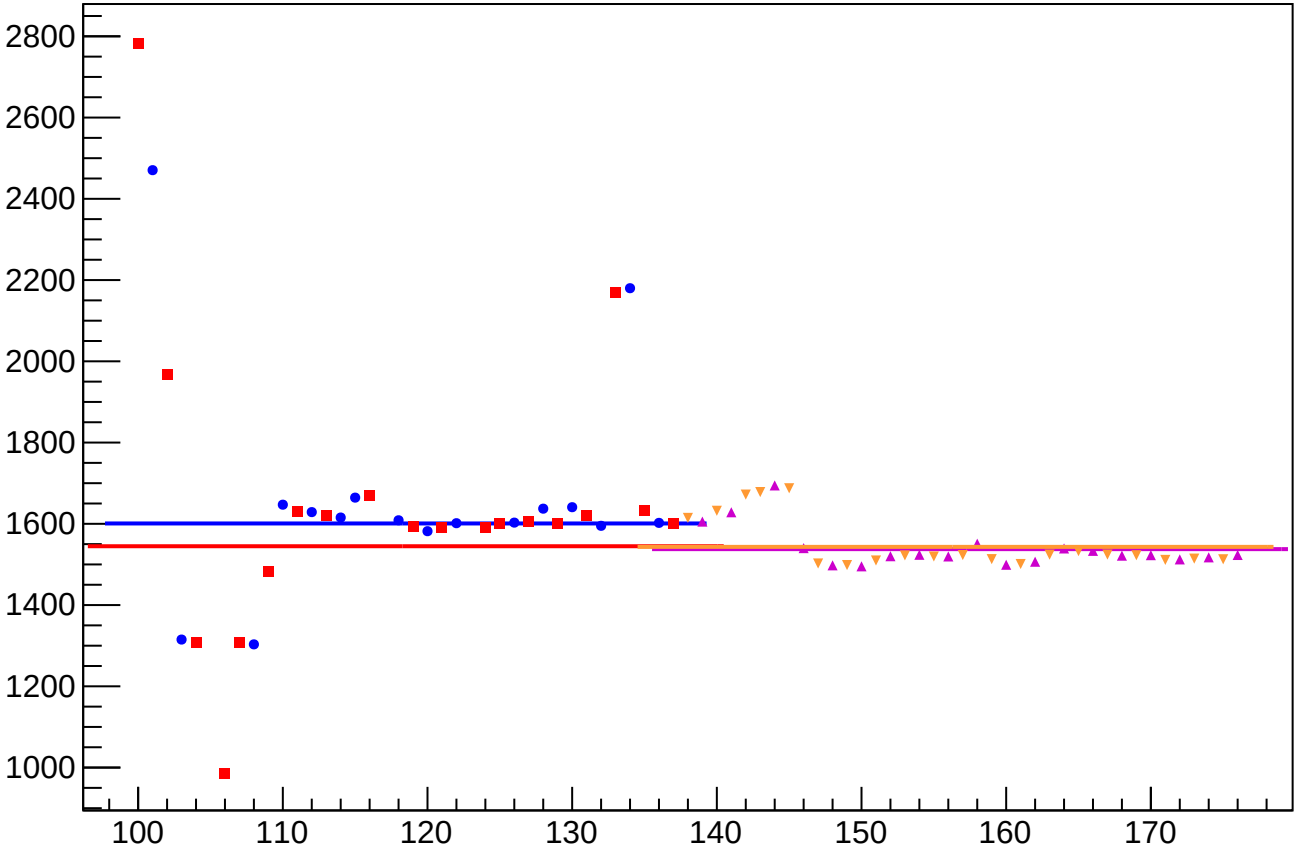
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3129.952+/-327.325 χ^2/NDF:20.6/34

Out: 1602.012+/-323.549 χ^2/NDF:34.0/38

All: 2357.119+/-230.107 χ^2/NDF: 65.7/73

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

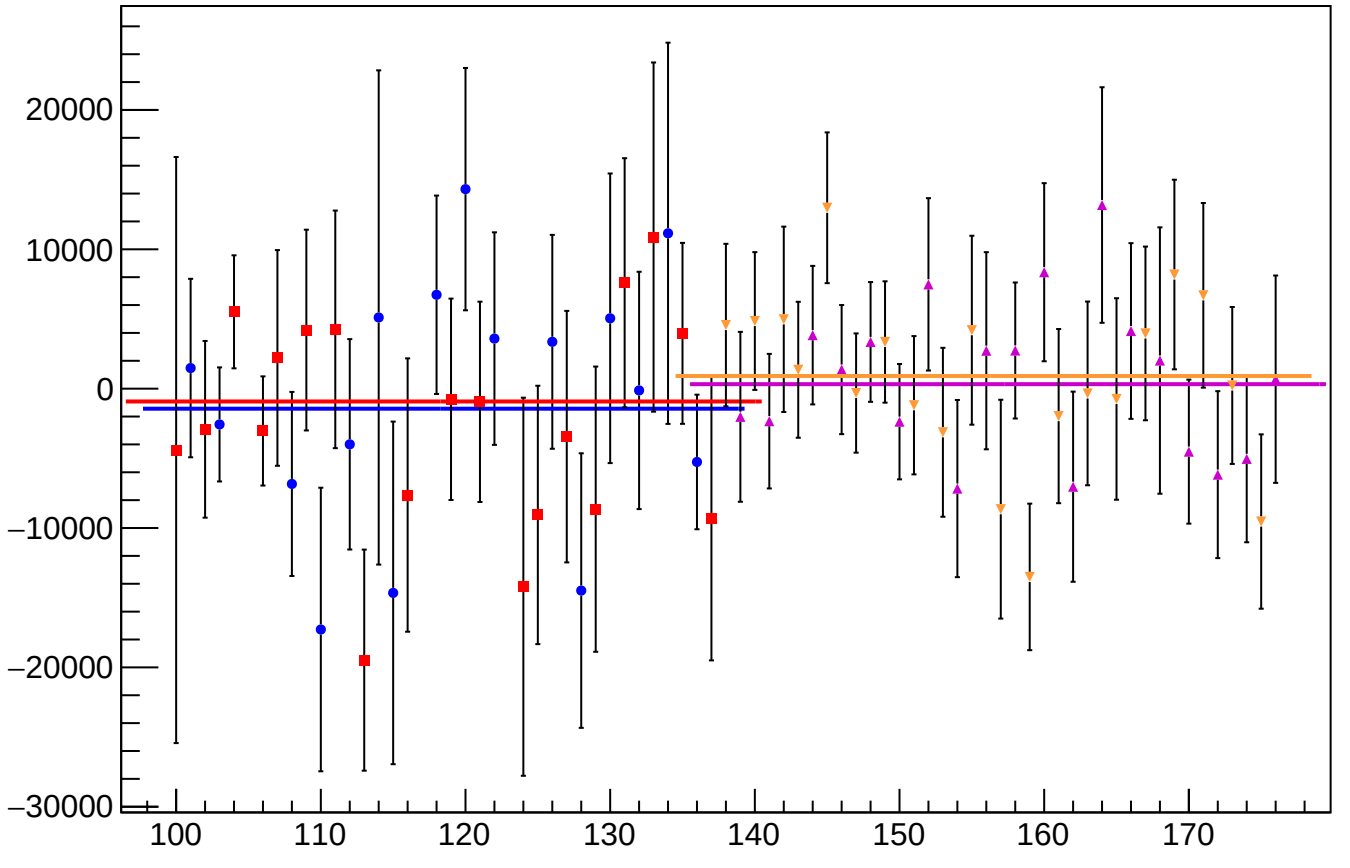
Left: 1540.489+/-0.194 χ^2/NDF: 75594.1/38

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1556.417+/-0.231 χ^2/NDF:363276.1/34

Out: 1543.739+/-0.228 χ^2/NDF:421212.9/38

All: 1549.972+/-0.162 χ^2/NDF: 786014.2/73



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 908.488+/-1276.657 χ^2/NDF:21.9/19

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 322.882+/-1302.273 χ^2/NDF:13.3/18

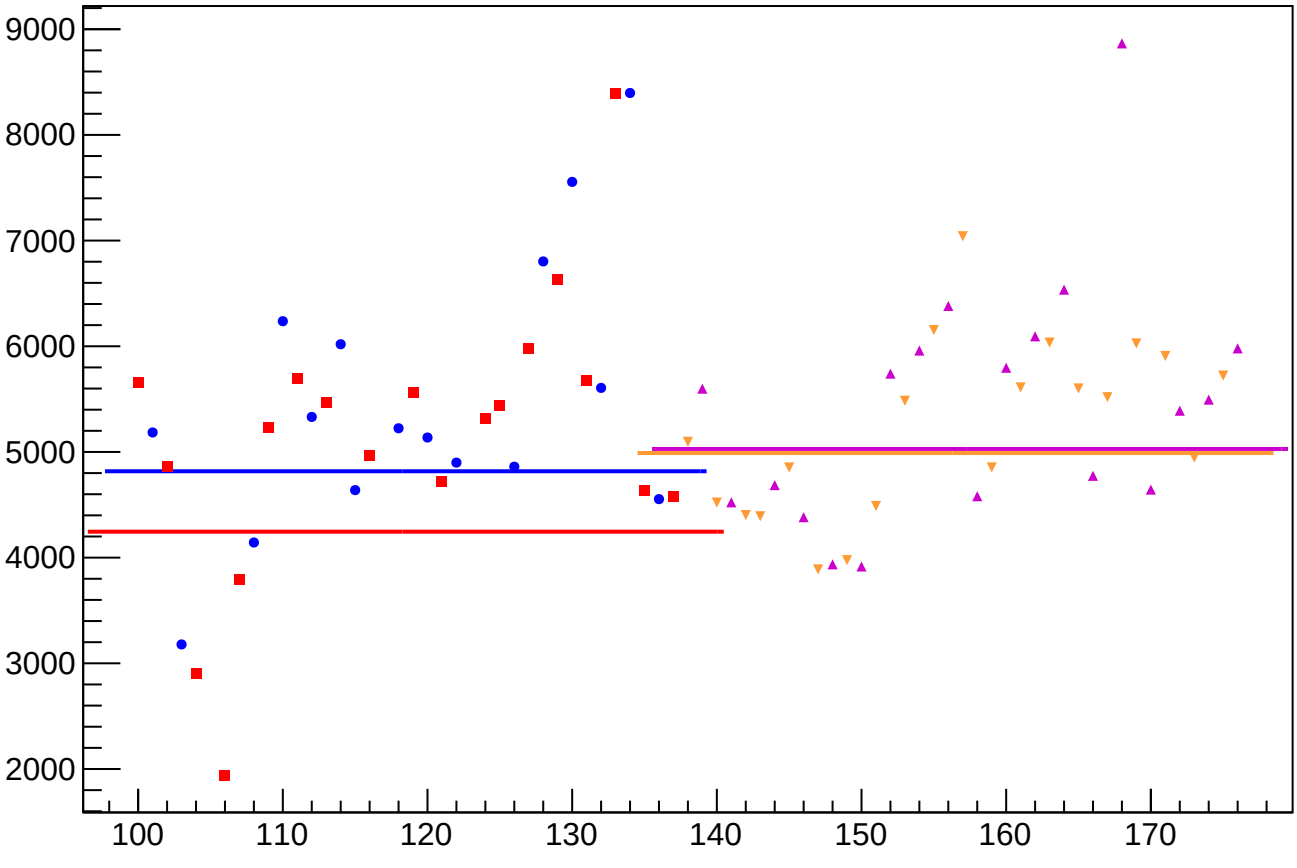
Left: 621.501+/-911.655 χ^2/NDF: 35.3/38

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -260.992+/-1064.566 χ^2/NDF:27.8/34

Out: 234.242+/-1014.079 χ^2/NDF:38.0/38

All: -1.353+/-734.262 χ^2/NDF: 65.9/73



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4989.863+/-0.903 χ^2/NDF:748160.5/19

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 5028.443+/-0.921 χ^2/NDF:1051043.5/18

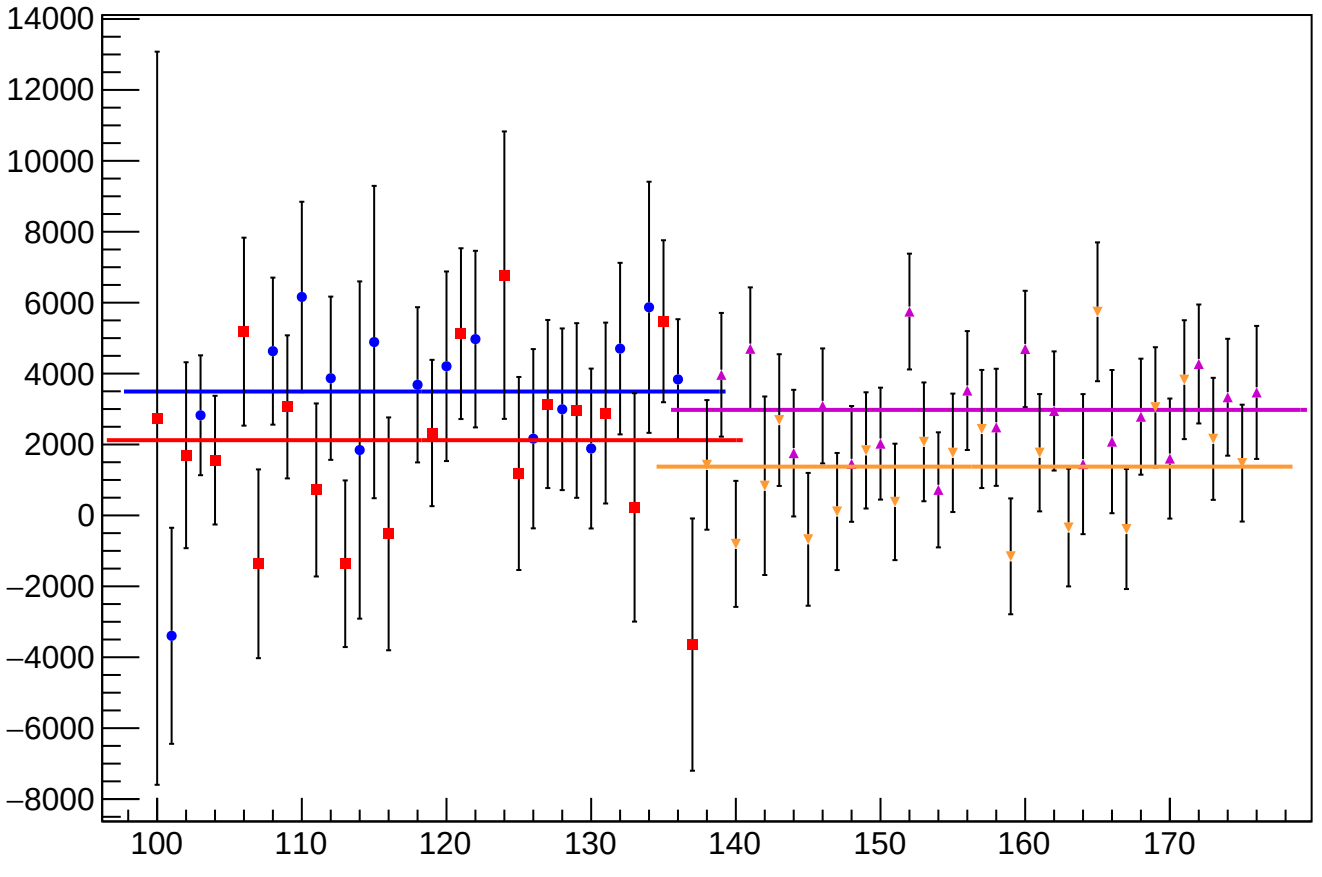
Left: 5008.770+/-0.645 χ^2/NDF: 1800099.1/38

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4958.411+/-0.753 χ^2/NDF:1863909.0/34

Out: 4715.168+/-0.717 χ^2/NDF:2682218.2/38

All: 4830.885+/-0.519 χ^2/NDF: 4600869.9/73



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2976.327+/-390.238 χ^2/NDF:11.3/18

Left: 2170.623+/-275.001 χ^2/NDF: 37.6/38

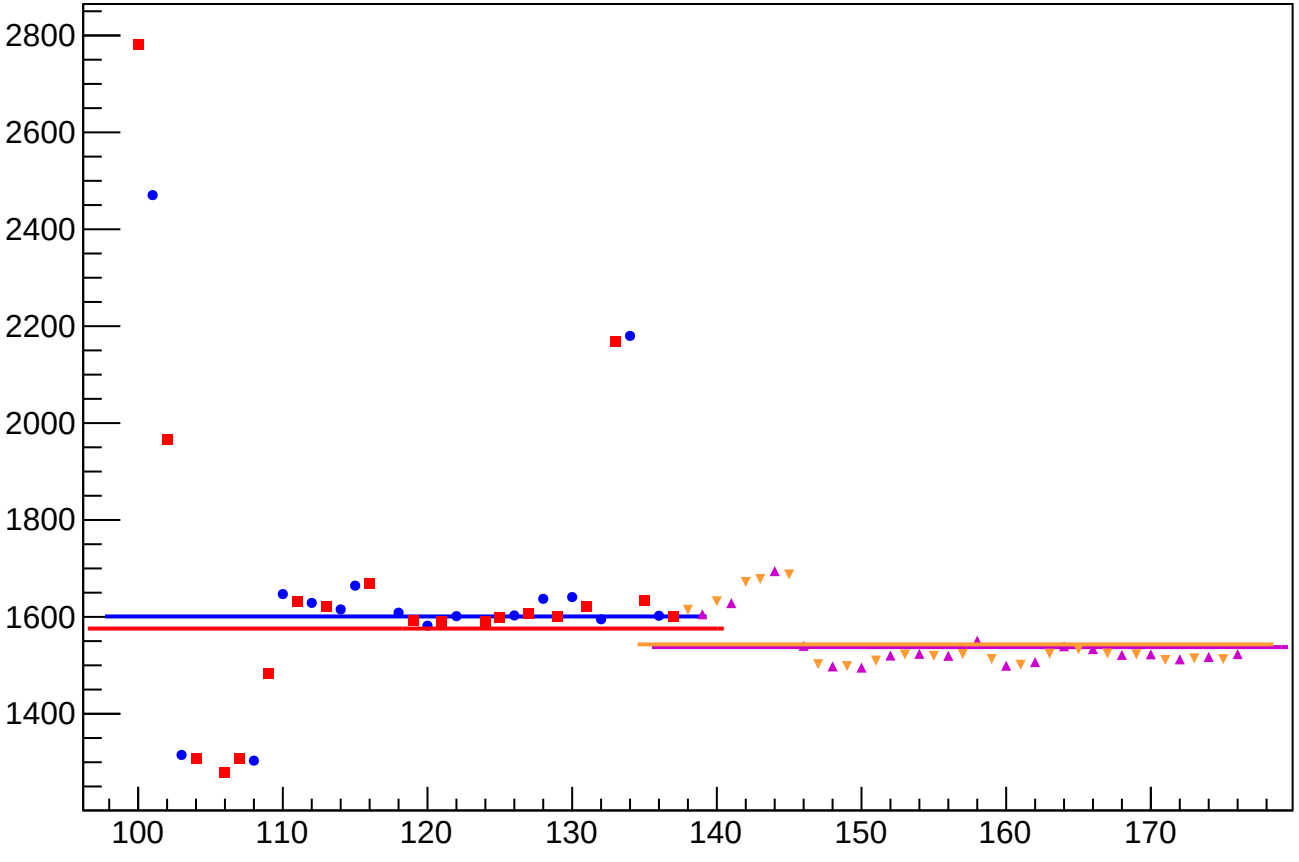
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3129.801+/-327.325 χ^2/NDF:20.6/34

Out: 1601.936+/-323.549 χ^2/NDF:34.0/38

All: 2357.007+/-230.107 χ^2/NDF: 65.7/73

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

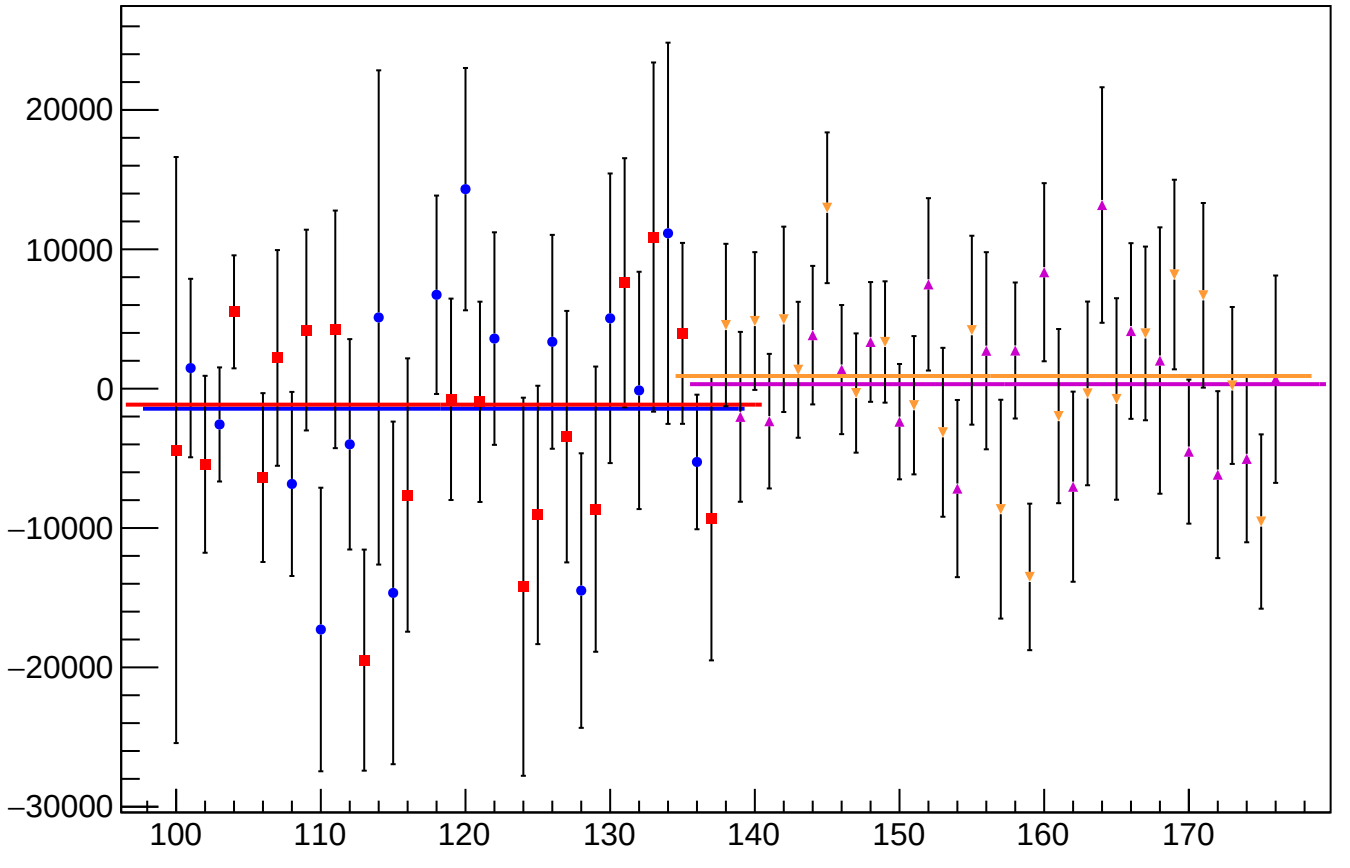
Left: 1540.489+/-0.194 χ^2/NDF: 75594.1/38

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1556.417+/-0.231 χ^2/NDF:363275.4/34

Out: 1553.209+/-0.229 χ^2/NDF:292731.7/38

All: 1554.792+/-0.163 χ^2/NDF: 656104.4/73



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 322.913+/-1302.273 χ^2/NDF:13.3/18

Left: 621.511+/-911.654 χ^2/NDF: 35.3/38

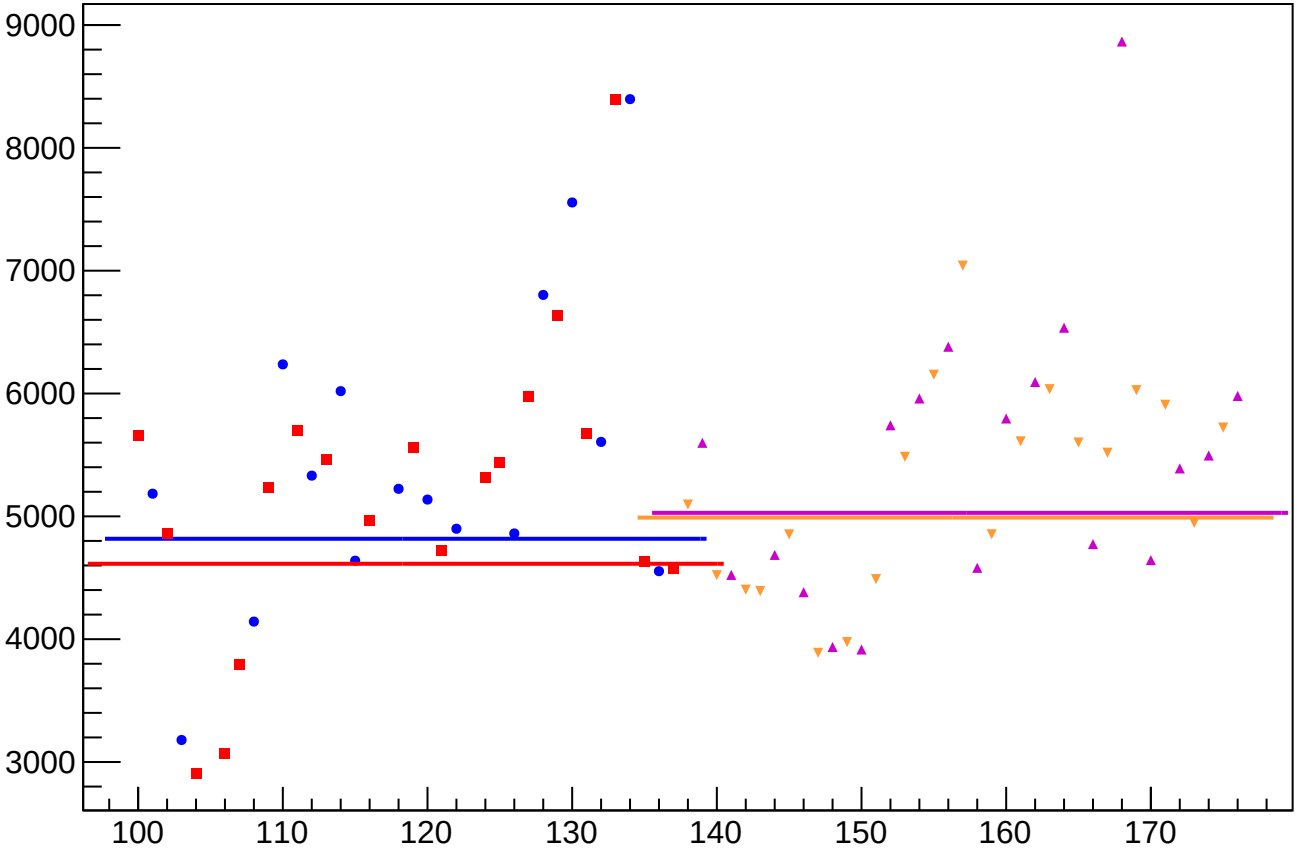
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -261.036+/-1064.573 χ^2/NDF:27.8/34

Out: 202.943+/-1034.497 χ^2/NDF:39.0/38

All: -22.400+/-741.905 χ^2/NDF: 66.9/73

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: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

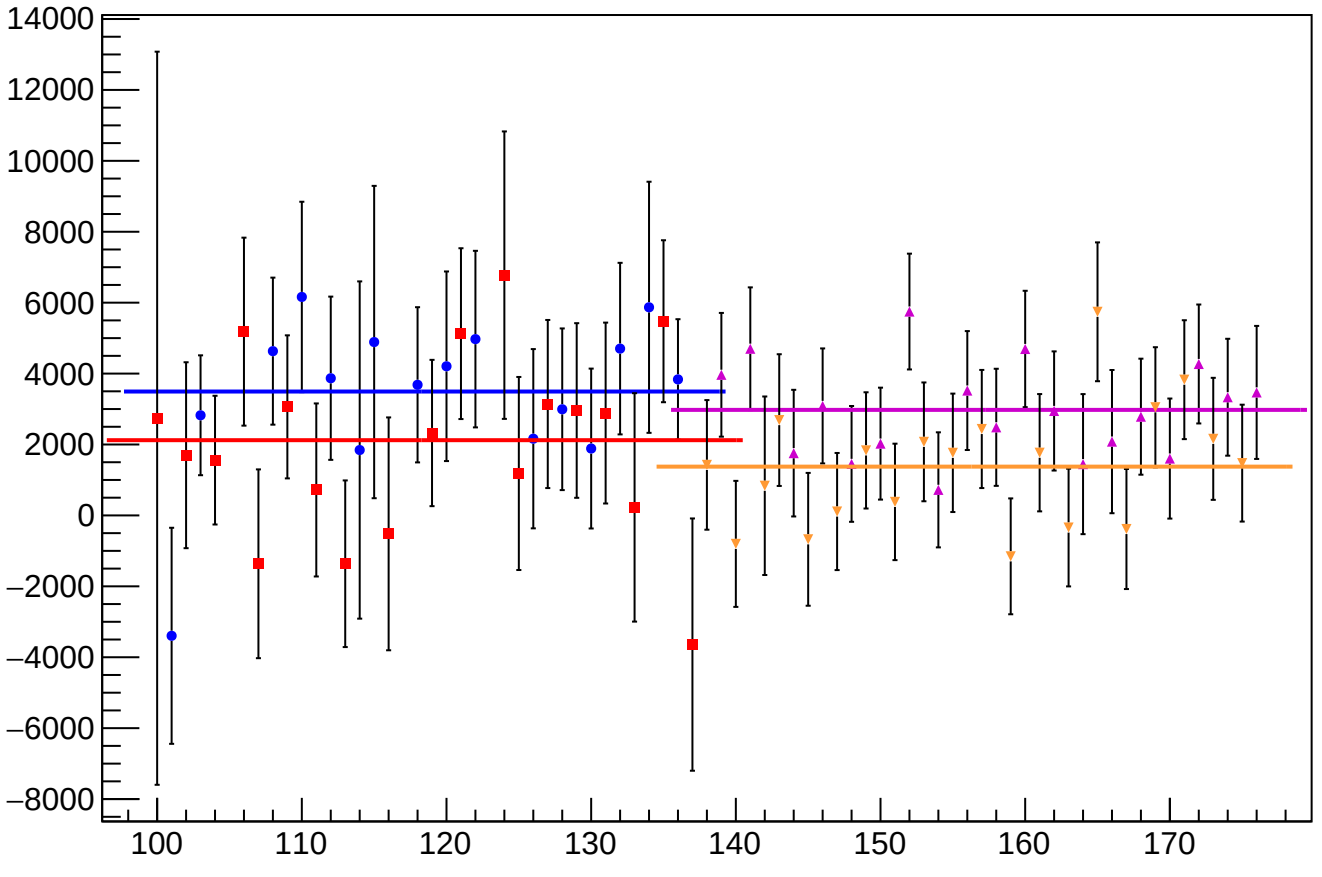
Left: 5008.764+/-0.645 χ^2/NDF: 1800109.1/38

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4958.458+/-0.753 χ^2/NDF:1863689.8/34

Out: 4860.740+/-0.731 χ^2/NDF:1785698.7/38

All: 4908.199+/-0.525 χ^2/NDF: 3658055.5/73



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1375.797+/-387.595 χ^2/NDF:17.8/19

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2976.327+/-390.238 χ^2/NDF:11.3/18

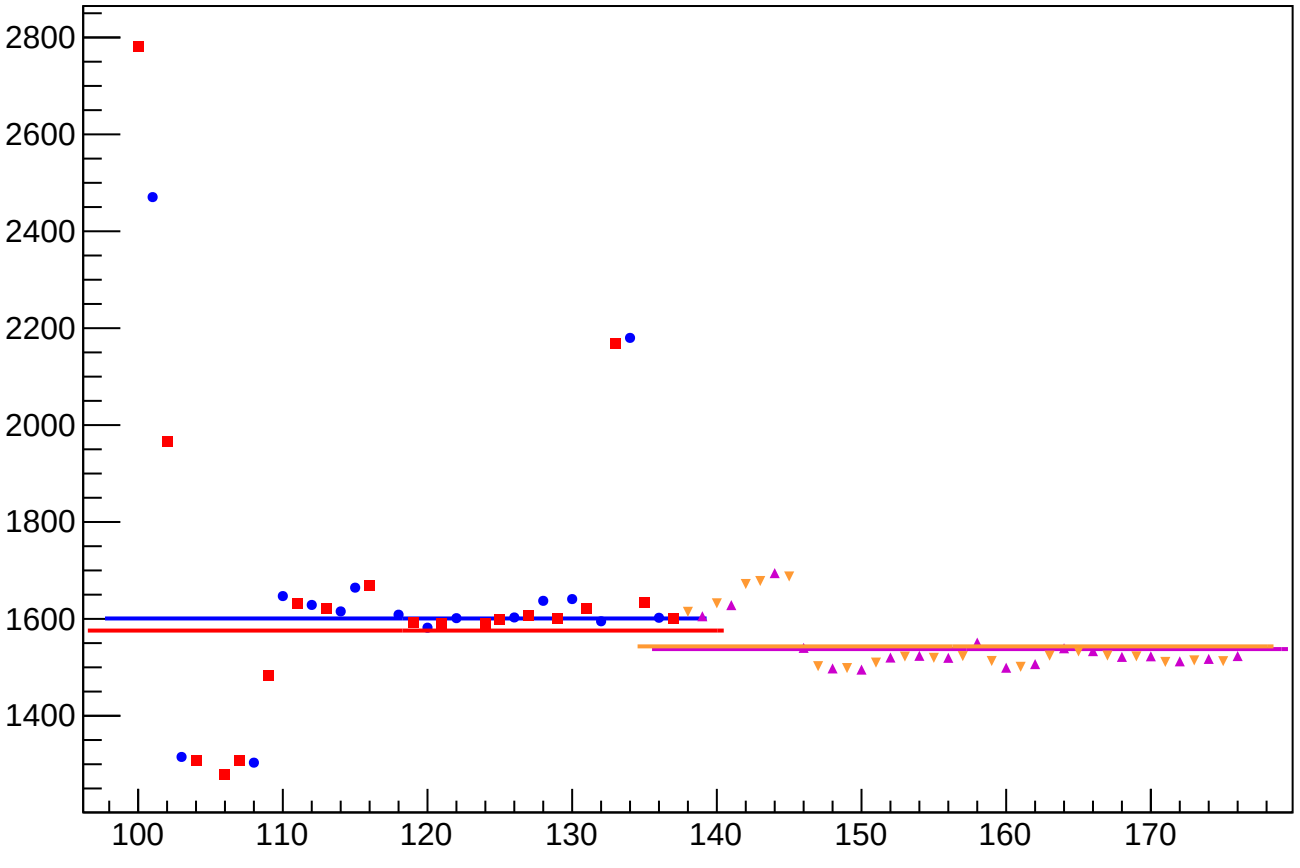
Left: 2170.623+/-275.001 χ^2/NDF: 37.6/38

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3129.801+/-327.325 χ^2/NDF:20.6/34

Out: 1601.936+/-323.549 χ^2/NDF:34.0/38

All: 2357.007+/-230.107 χ^2/NDF: 65.7/73



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1543.258+/-0.274 χ^2/NDF:45075.6/19

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

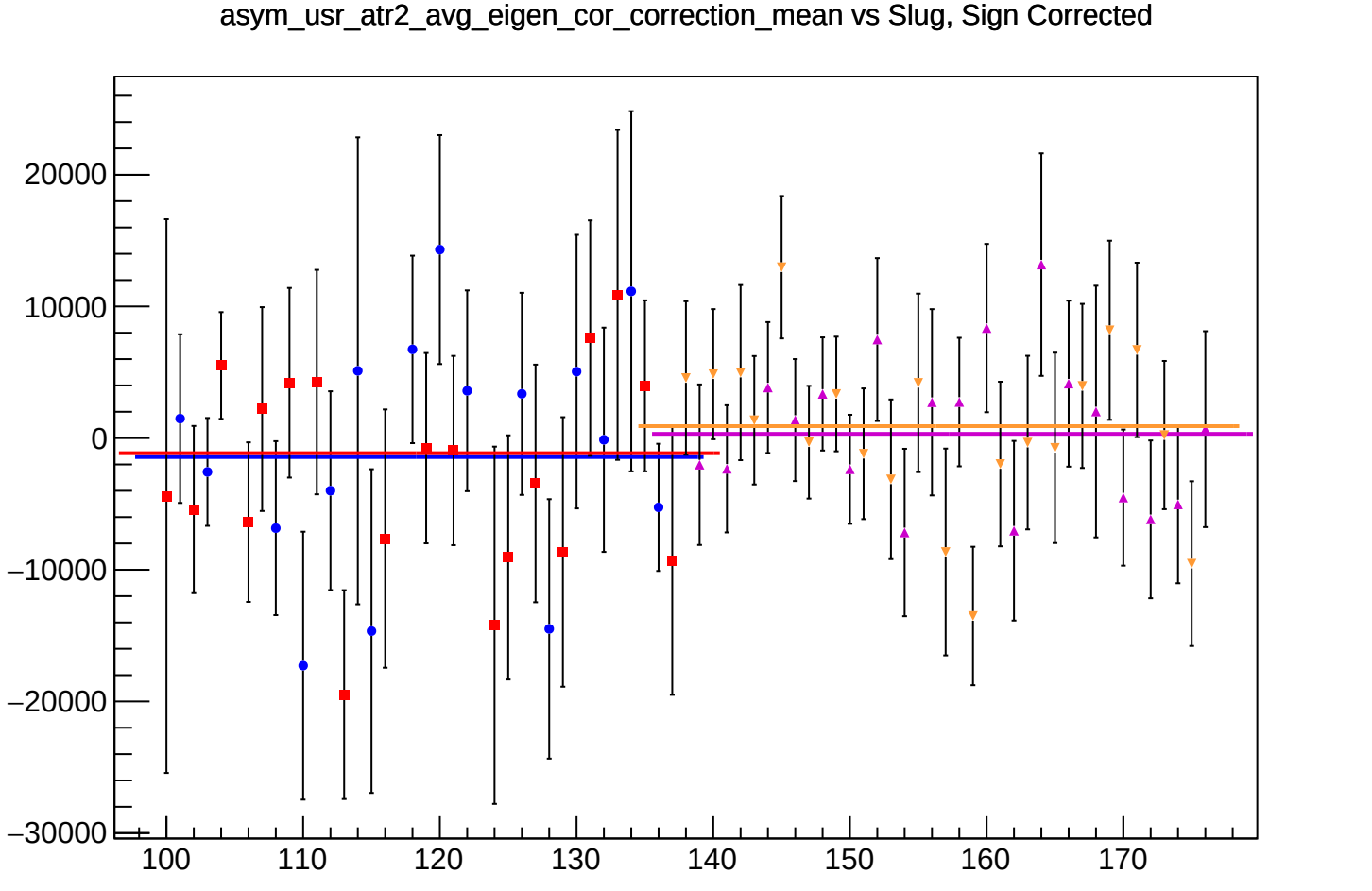
Left: 1540.489+/-0.194 χ^2/NDF: 75594.1/38

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1556.417+/-0.231 χ^2/NDF:363275.4/34

Out: 1553.209+/-0.229 χ^2/NDF:292731.7/38

All: 1554.792+/-0.163 χ^2/NDF: 656104.4/73



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 908.477+/-1276.655 χ^2/NDF:21.9/19

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 322.913+/-1302.273 χ^2/NDF:13.3/18

Left: 621.511+/-911.654 χ^2/NDF: 35.3/38

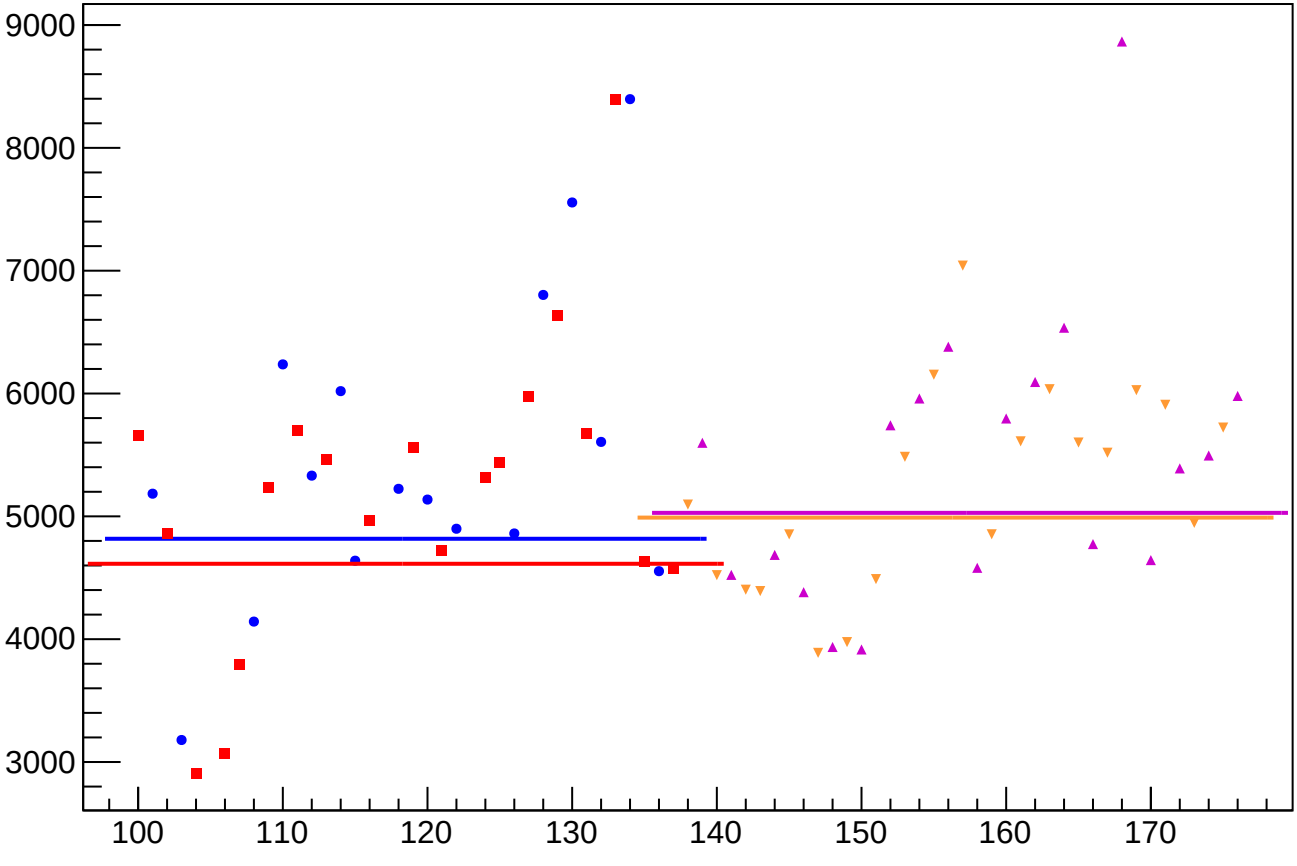
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -261.036+/-1064.573 χ^2/NDF:27.8/34

Out: 202.943+/-1034.497 χ^2/NDF:39.0/38

All: -22.400+/-741.905 χ^2/NDF: 66.9/73

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: 4989.853+/-0.903 χ^2/NDF:748168.3/19

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

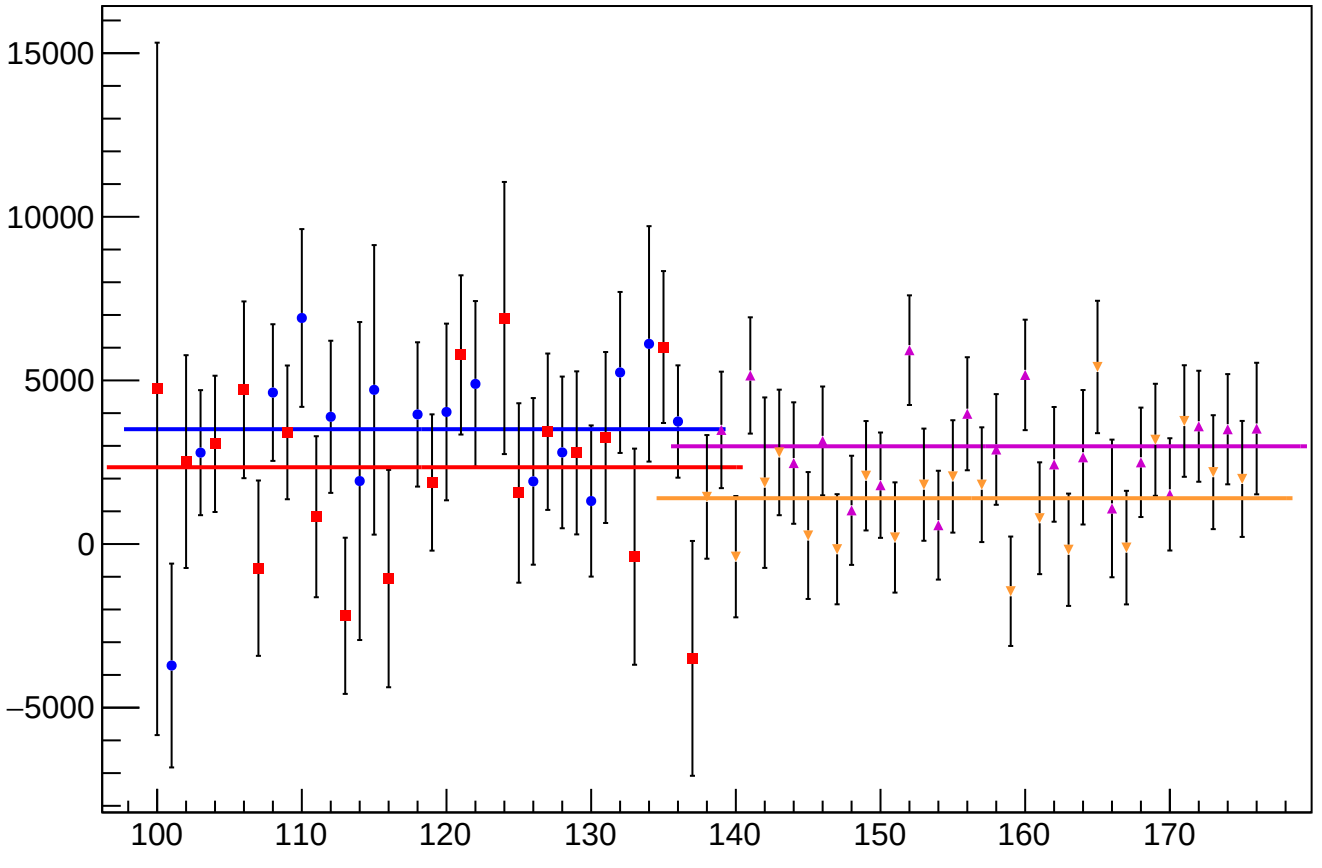
Left: 5008.764+/-0.645 χ^2/NDF: 1800109.1/38

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4958.458+/-0.753 χ^2/NDF:1863689.8/34

Out: 4860.740+/-0.731 χ^2/NDF:1785698.7/38

All: 4908.199+/-0.525 χ^2/NDF: 3658055.5/73



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.335+/-399.210 χ^2/NDF:15.5/19

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2987.034+/-401.055 χ^2/NDF:12.8/18

Left: 2190.025+/-282.934 χ^2/NDF: 36.2/38

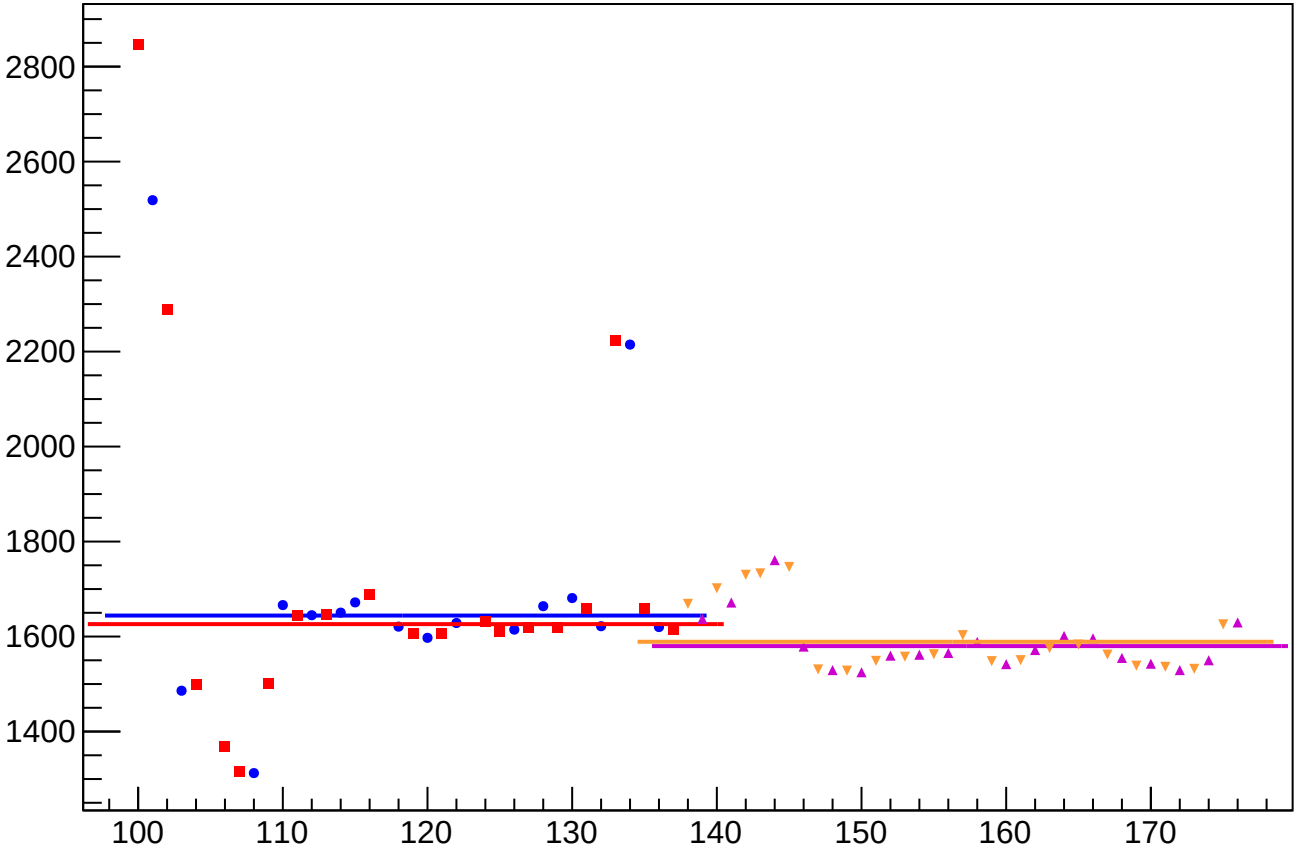
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3142.316+/-336.216 χ^2/NDF:23.7/34

Out: 1685.797+/-333.623 χ^2/NDF:34.3/38

All: 2408.418+/-236.819 χ^2/NDF: 67.5/73

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1589.001+/-0.282 χ^2/NDF:58220.0/19

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1579.889+/-0.284 χ^2/NDF:37721.5/18

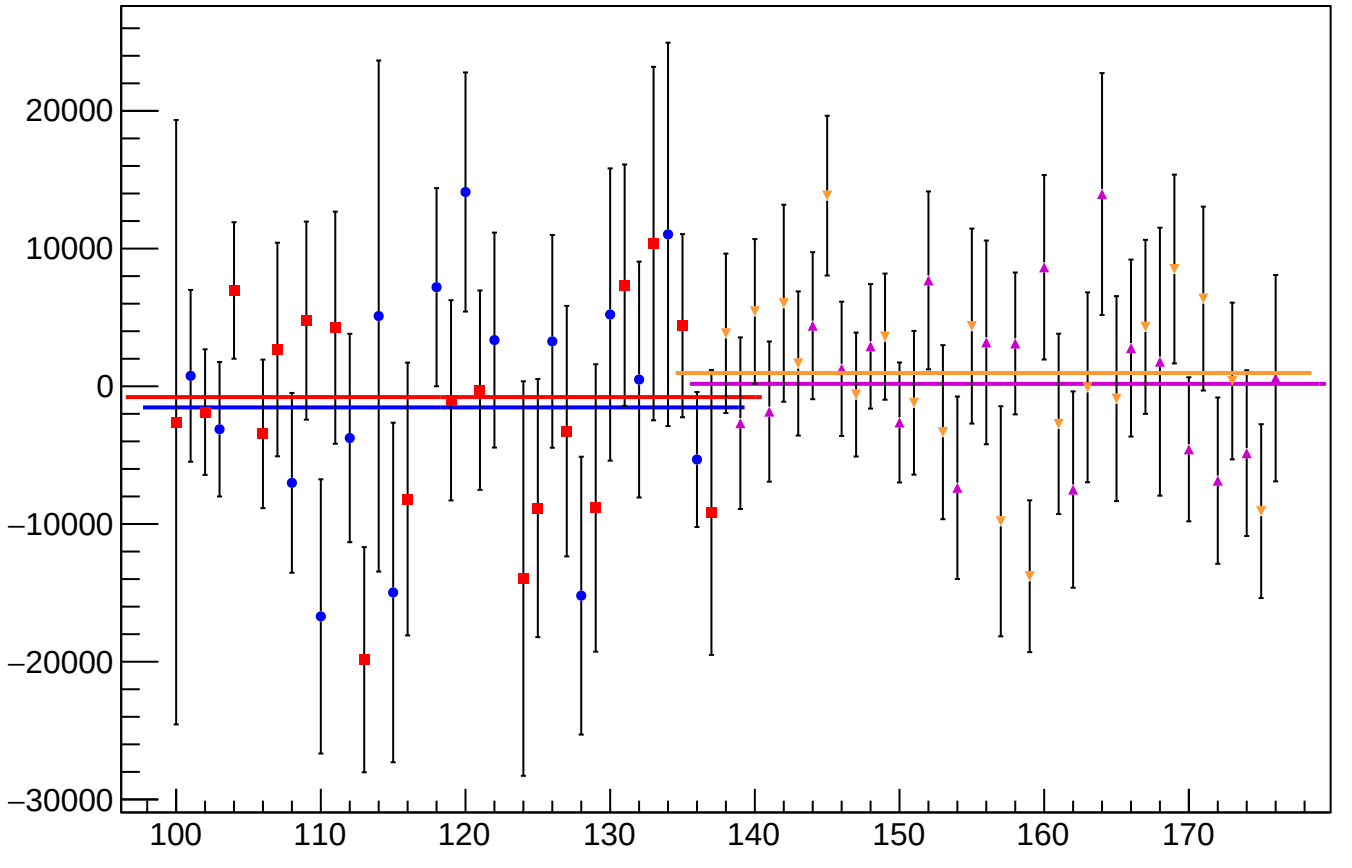
Left: 1584.466+/-0.200 χ^2/NDF: 96460.0/38

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1599.002+/-0.238 χ^2/NDF:327822.9/34

Out: 1600.226+/-0.236 χ^2/NDF:301095.7/38

All: 1599.619+/-0.167 χ^2/NDF: 628932.0/73



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 964.172+/-1330.388 χ^2/NDF:21.7/19

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 178.026+/-1354.609 χ^2/NDF:13.3/18

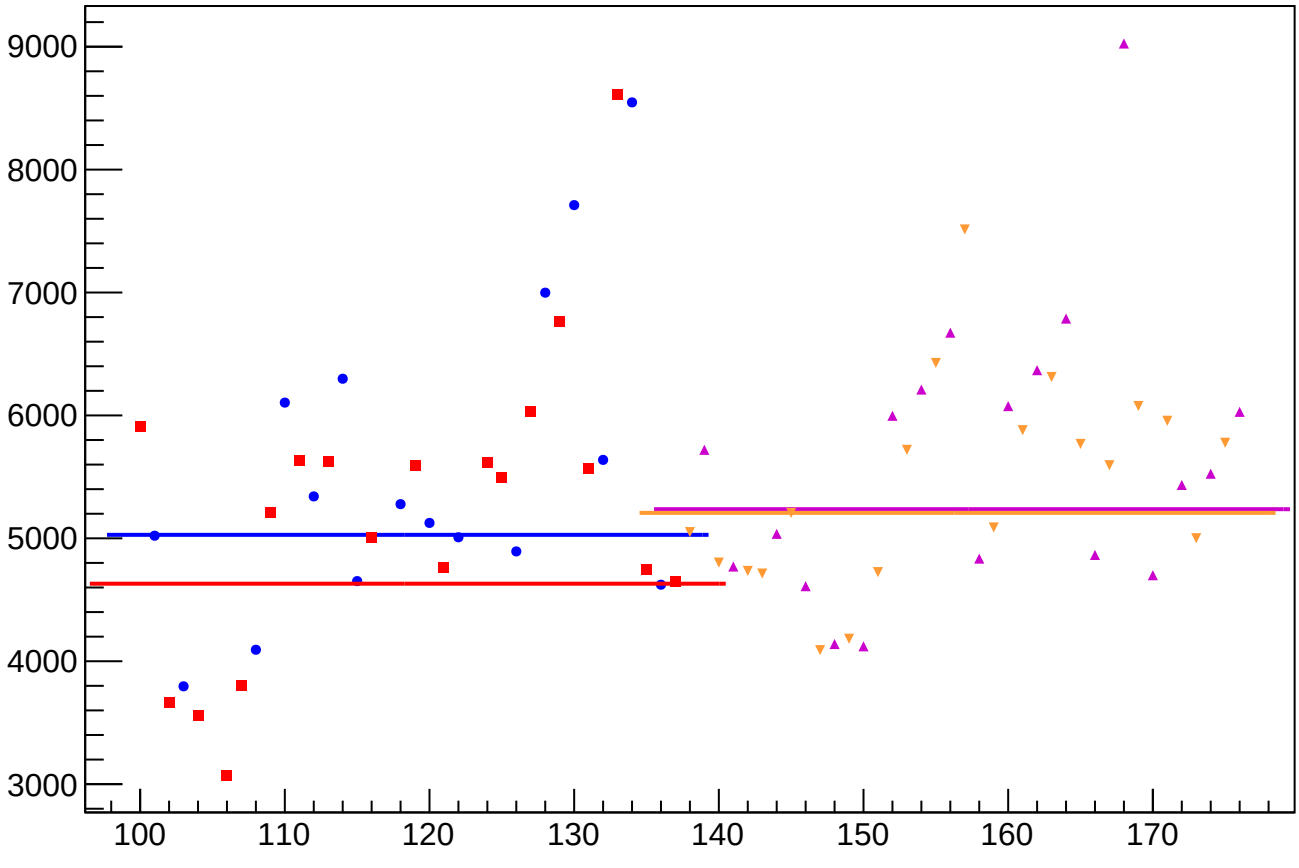
Left: 578.190+/-949.174 χ^2/NDF: 35.1/38

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -392.777+/-1105.666 χ^2/NDF:27.7/34

Out: 323.133+/-1058.773 χ^2/NDF:37.3/38

All: -19.319+/-764.706 χ^2/NDF: 65.2/73



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5207.276+/-0.941 χ^2/NDF:673583.3/19

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5237.146+/-0.958 χ^2/NDF:976345.5/18

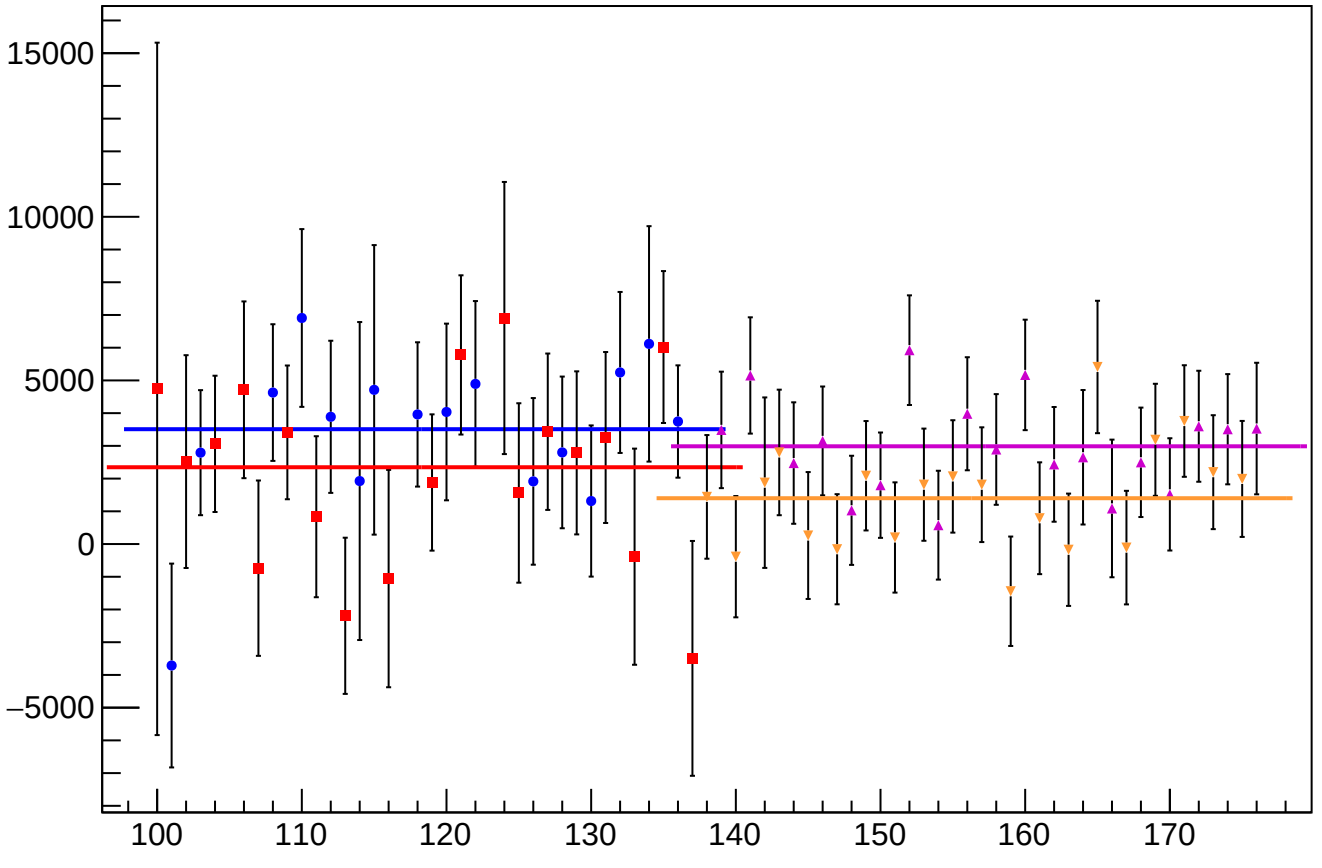
Left: 5221.941+/-0.671 χ^2/NDF: 1650423.8/38

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5167.488+/-0.782 χ^2/NDF:1557659.7/34

Out: 4995.953+/-0.749 χ^2/NDF:1674732.1/38

All: 5078.006+/-0.541 χ^2/NDF: 3257503.3/73



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1400.327+/-399.210 χ^2/NDF:15.5/19

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2987.038+/-401.056 χ^2/NDF:12.8/18

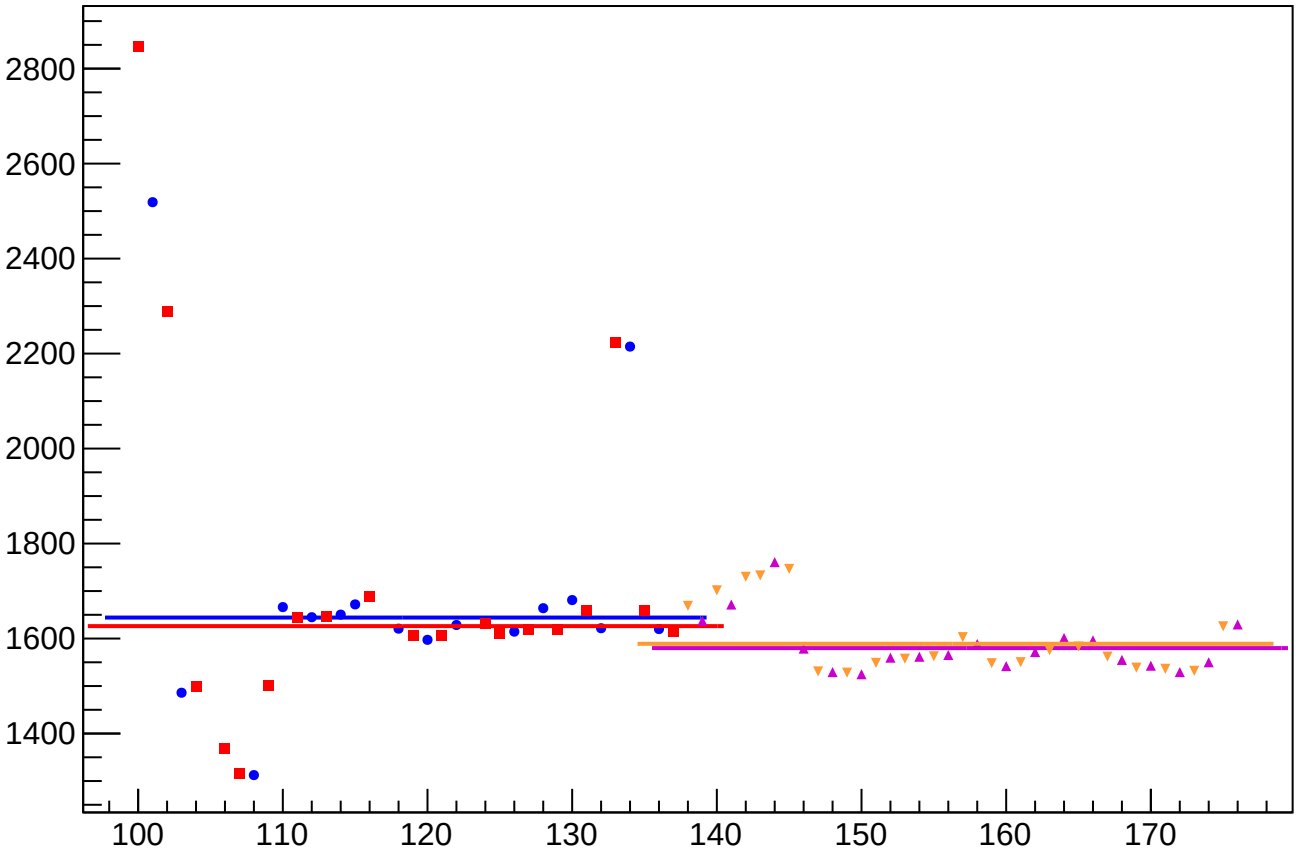
Left: 2190.023+/-282.934 χ^2/NDF: 36.2/38

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3142.319+/-336.217 χ^2/NDF:23.7/34

Out: 1685.794+/-333.623 χ^2/NDF:34.3/38

All: 2408.418+/-236.819 χ^2/NDF: 67.5/73



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1589.002+/-0.282 χ^2/NDF:58220.1/19

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1579.890+/-0.284 χ^2/NDF:37721.5/18

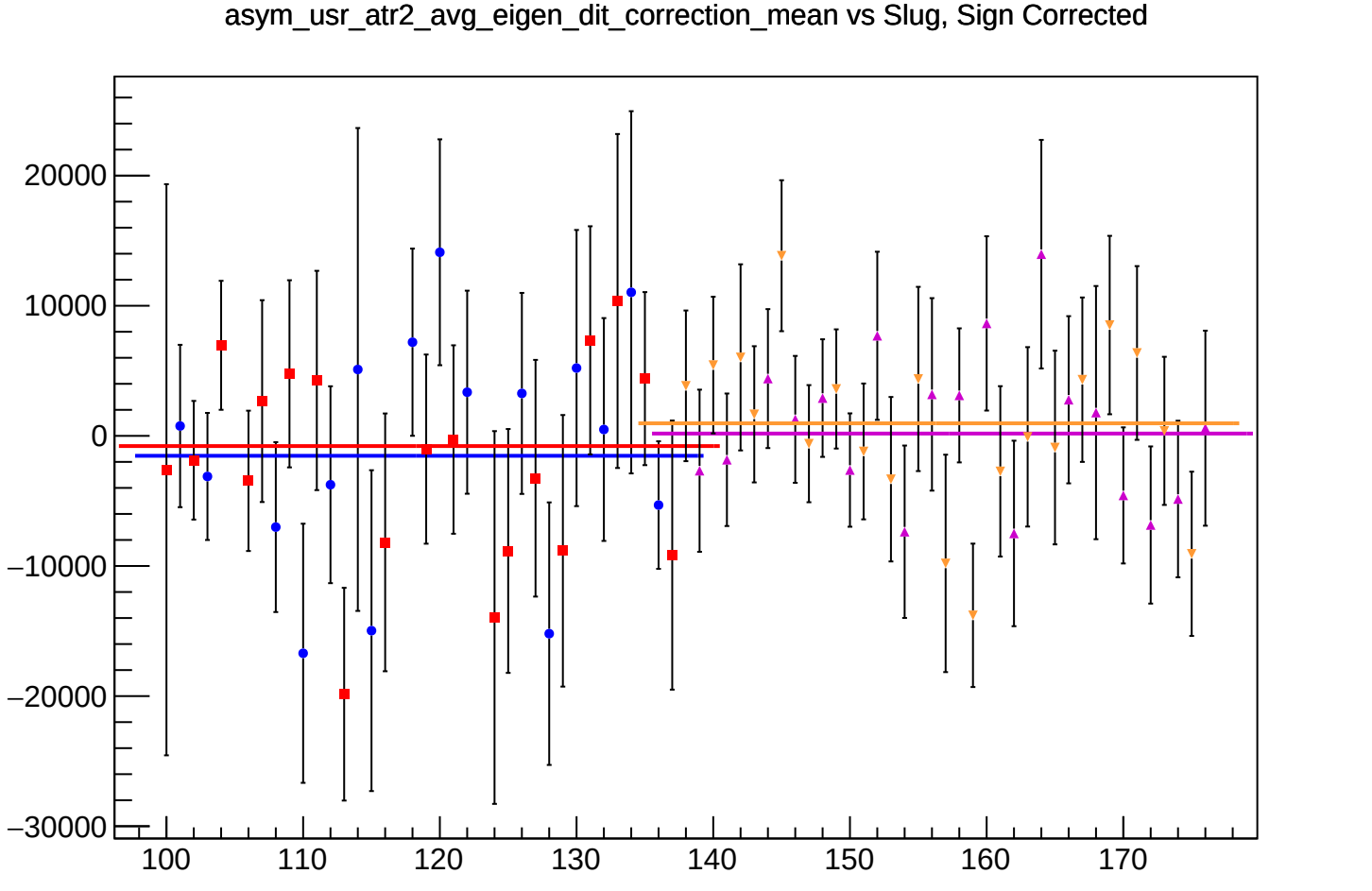
Left: 1584.467+/-0.200 χ^2/NDF: 96460.1/38

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1599.003+/-0.238 χ^2/NDF:327822.3/34

Out: 1600.226+/-0.236 χ^2/NDF:301095.1/38

All: 1599.619+/-0.167 χ^2/NDF: 628930.7/73



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 964.170+/-1330.390 χ^2/NDF:21.7/19

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 178.024+/-1354.612 χ^2/NDF:13.3/18

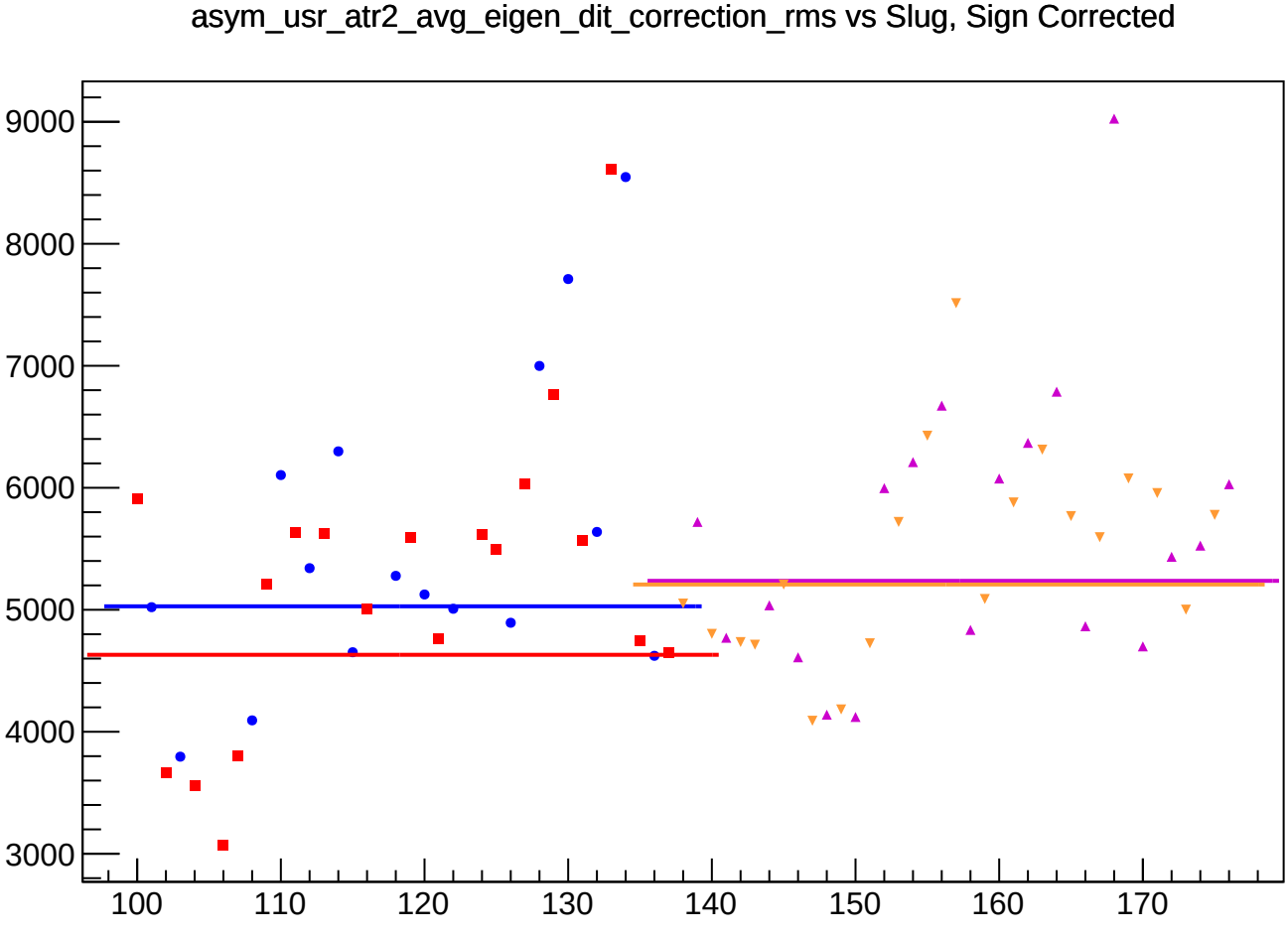
Left: 578.188+/-949.176 χ^2/NDF: 35.1/38

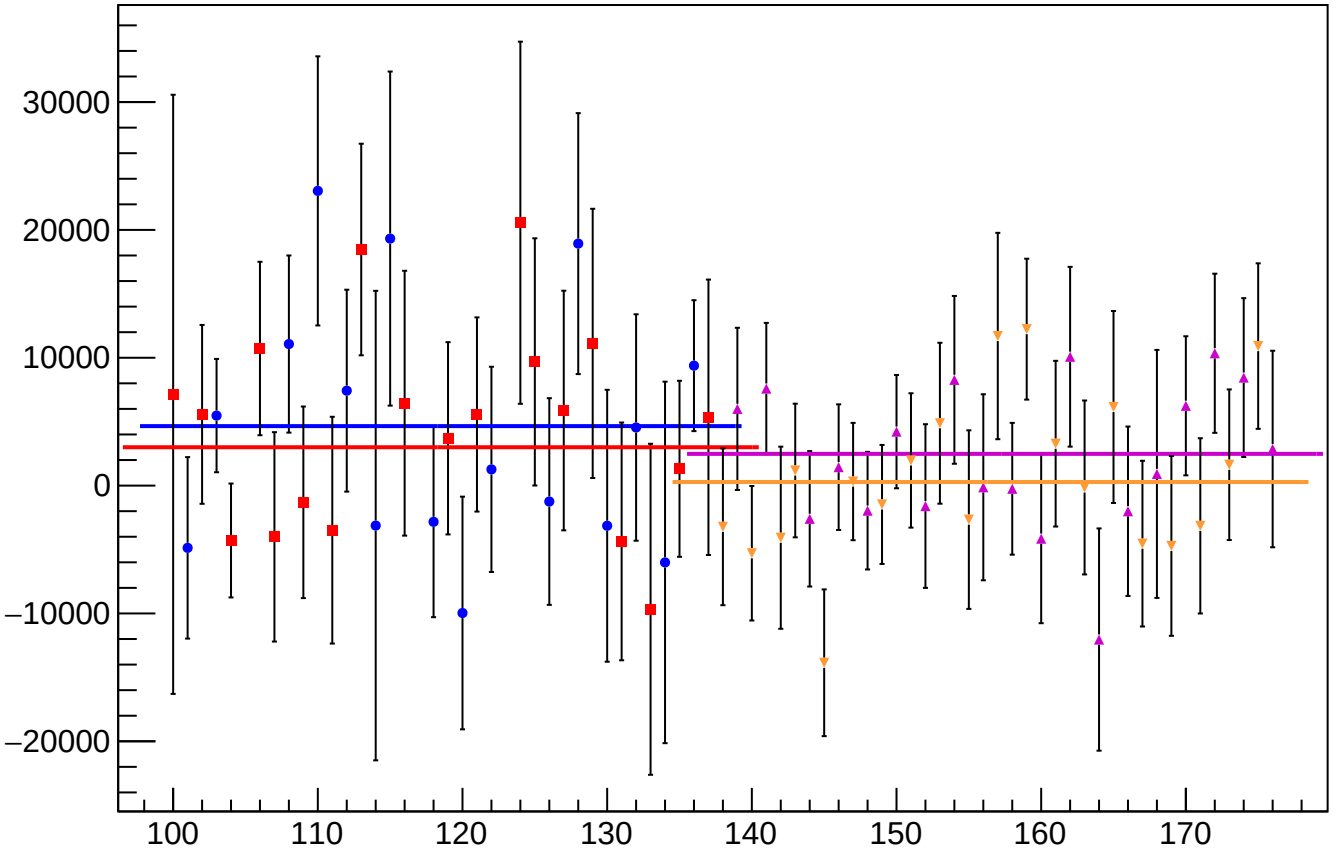
Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -392.775+/-1105.667 χ^2/NDF:27.7/34

Out: 323.128+/-1058.774 χ^2/NDF:37.3/38

All: -19.321+/-764.707 χ^2/NDF: 65.2/73


asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 5028.443+/-1.353 χ²/NDF: 565463.1/15
Left Out: 5207.285+/-0.941 χ²/NDF:673583.8/19
Right Out: 4630.895+/-1.236 χ²/NDF: 863509.0/18
Left In: 5237.154+/-0.958 χ²/NDF:976347.3/18
Left: 5221.950+/-0.671 χ²/NDF: 1650426.0/38
Right: 4811.769+/-0.913 χ²/NDF: 1476008.6/34
In: 5167.491+/-0.782 χ²/NDF:1557657.5/34
Out: 4995.955+/-0.749 χ²/NDF:1674734.2/38
All: 5078.009+/-0.541 χ²/NDF: 3257503.3/73



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 280.747+/-1342.981 χ^2/NDF:20.5/19

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2482.272+/-1368.040 χ^2/NDF:13.4/18

Left: 1361.162+/-958.368 χ^2/NDF: 35.2/38

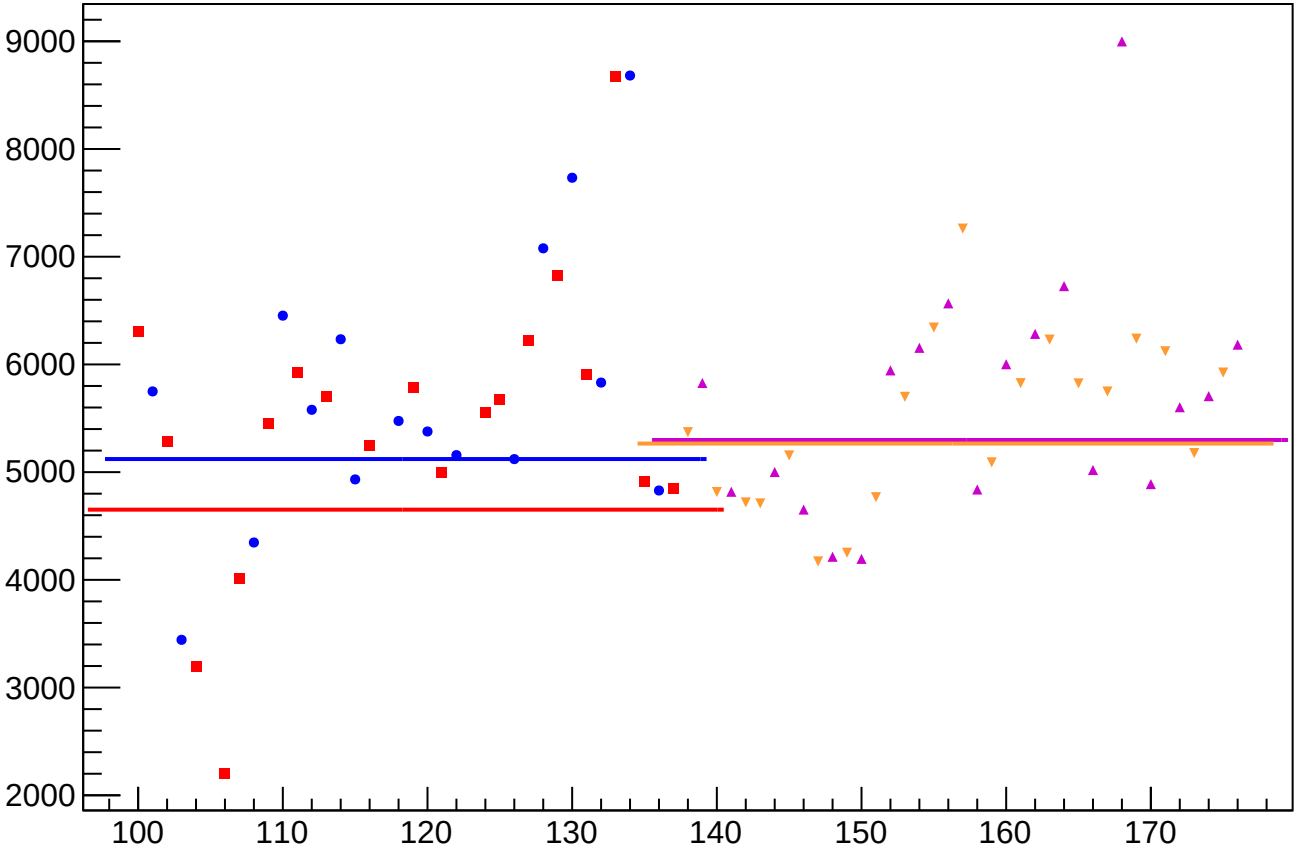
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3194.148+/-1121.523 χ^2/NDF:29.7/34

Out: 1198.033+/-1093.348 χ^2/NDF:35.7/38

All: 2170.701+/-782.885 χ^2/NDF: 67.1/73

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5265.283+/-0.950 χ^2/NDF:626414.5/19

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5298.448+/-0.967 χ^2/NDF:900219.8/18

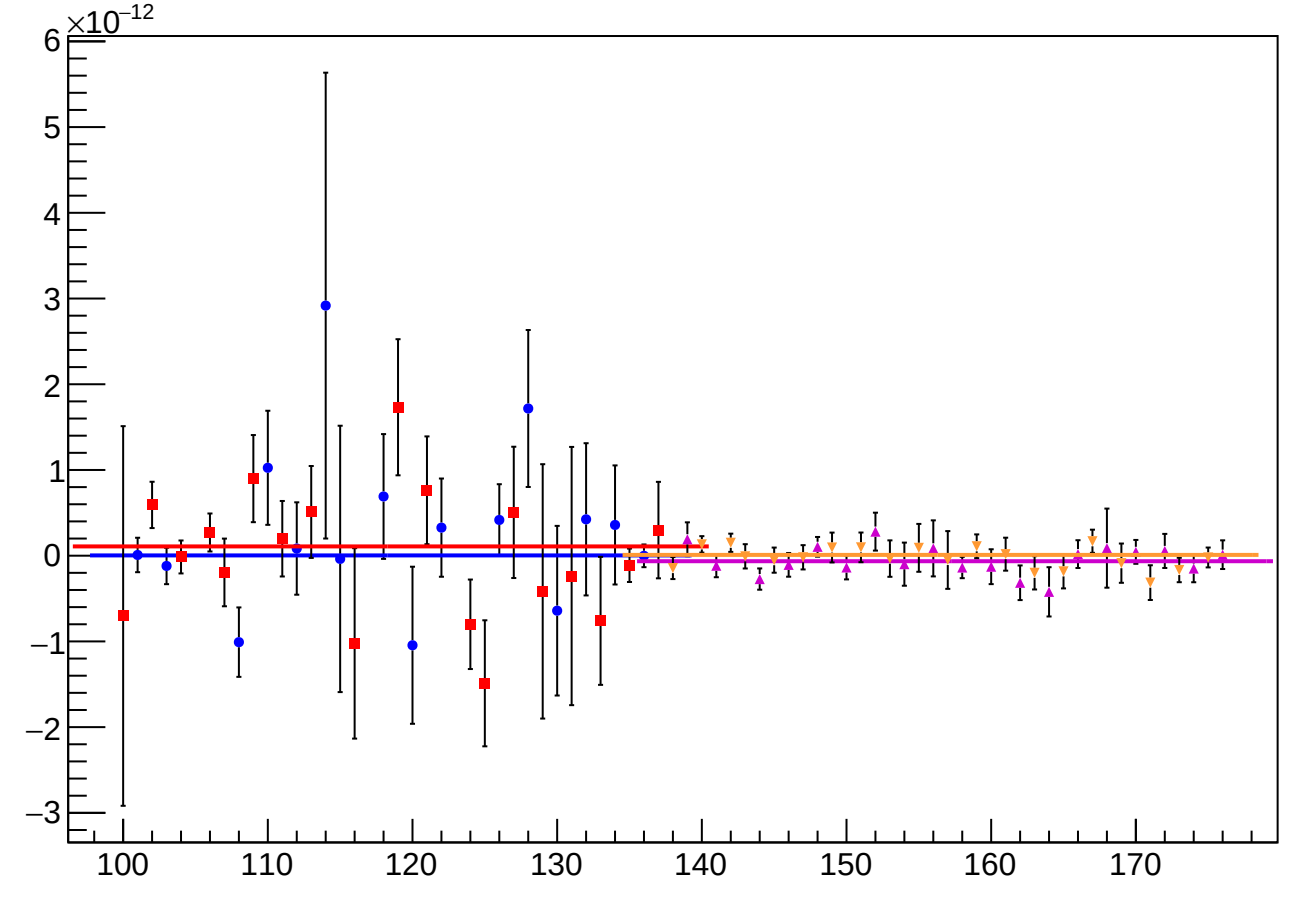
Left: 5281.559+/-0.678 χ^2/NDF: 1527232.9/38

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5240.470+/-0.793 χ^2/NDF:1631544.3/34

Out: 5047.541+/-0.763 χ^2/NDF:2119427.0/38

All: 5140.249+/-0.550 χ^2/NDF: 3781716.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/18

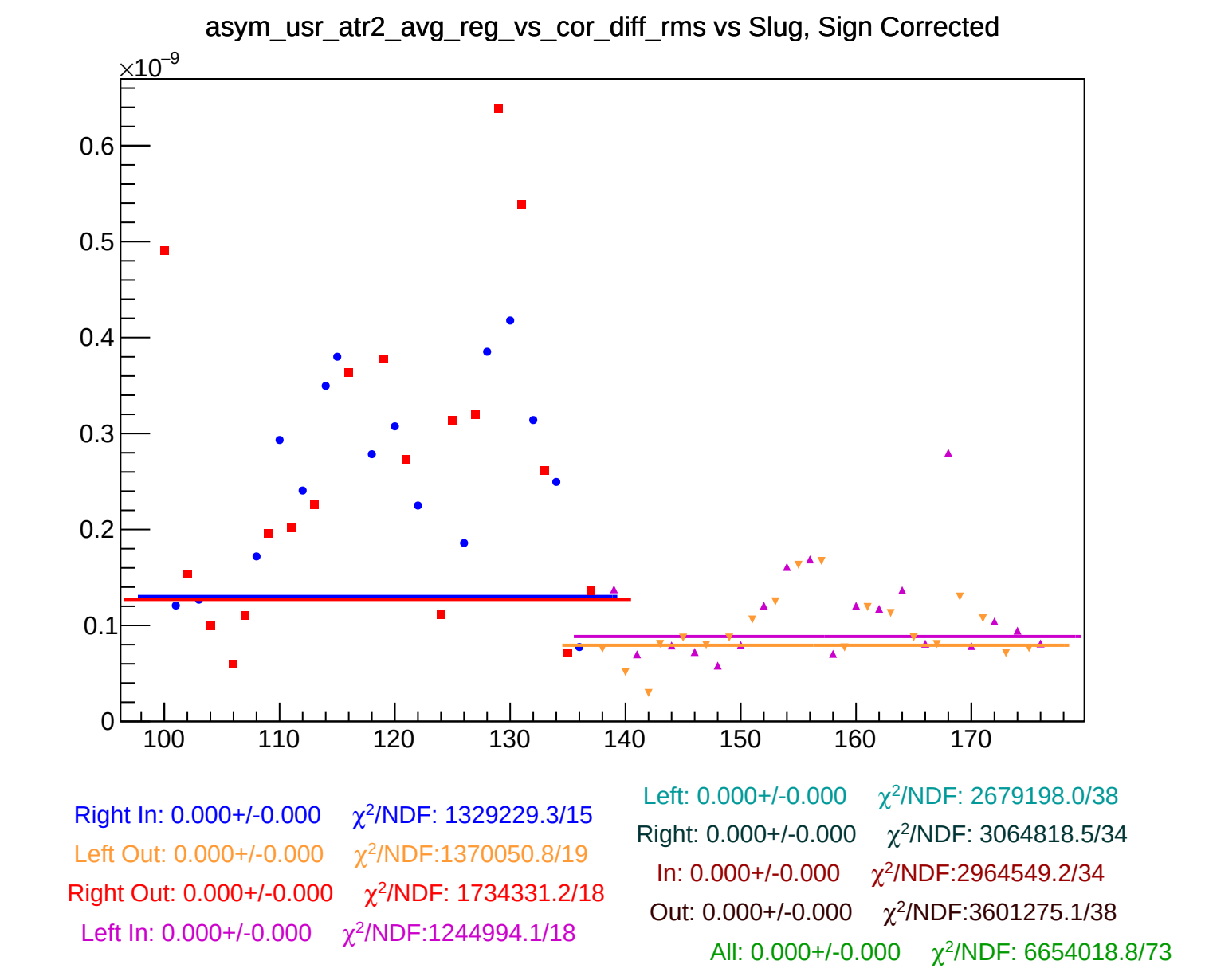
Left: -0.000+/-0.000 χ^2/NDF: 31.4/38

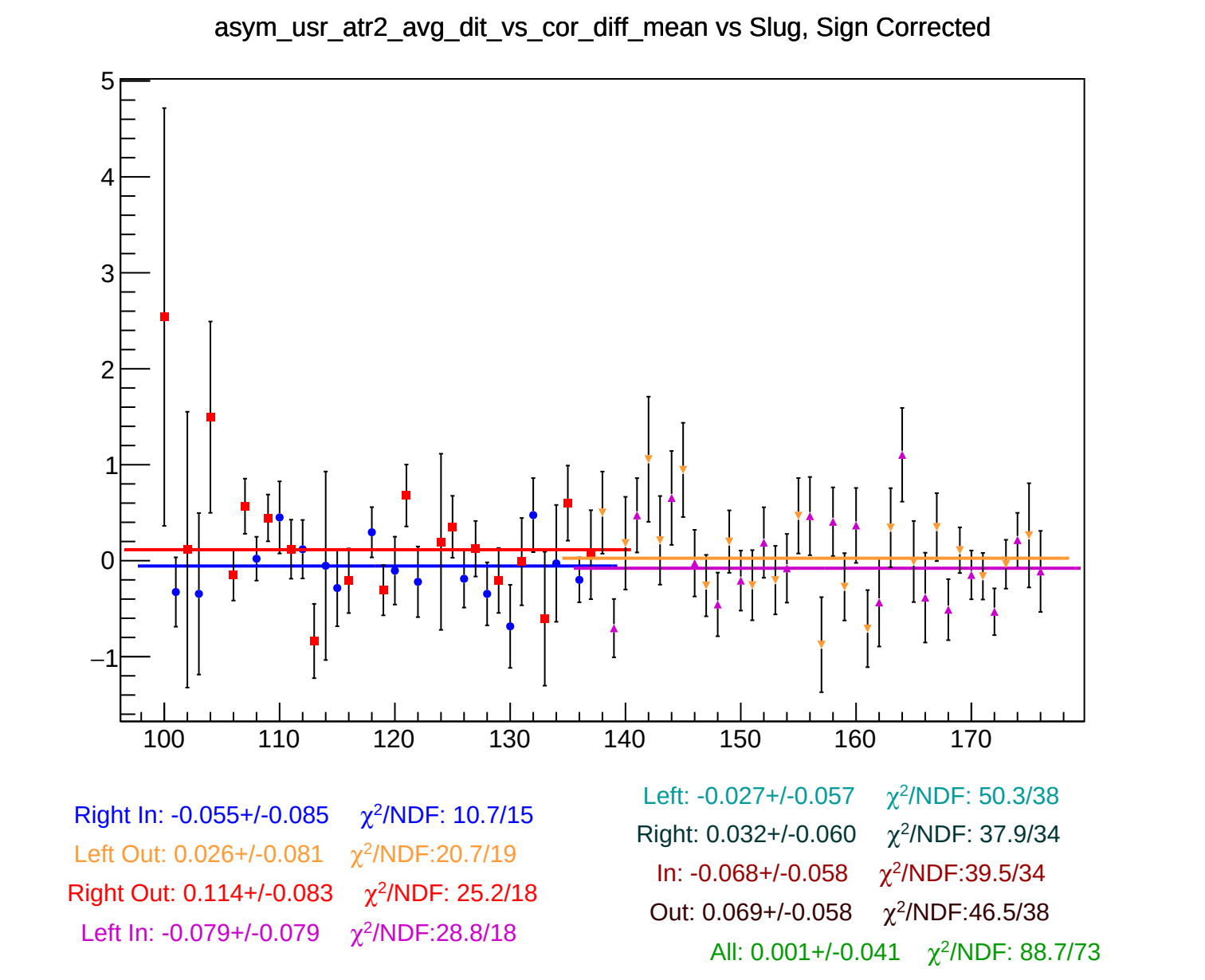
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

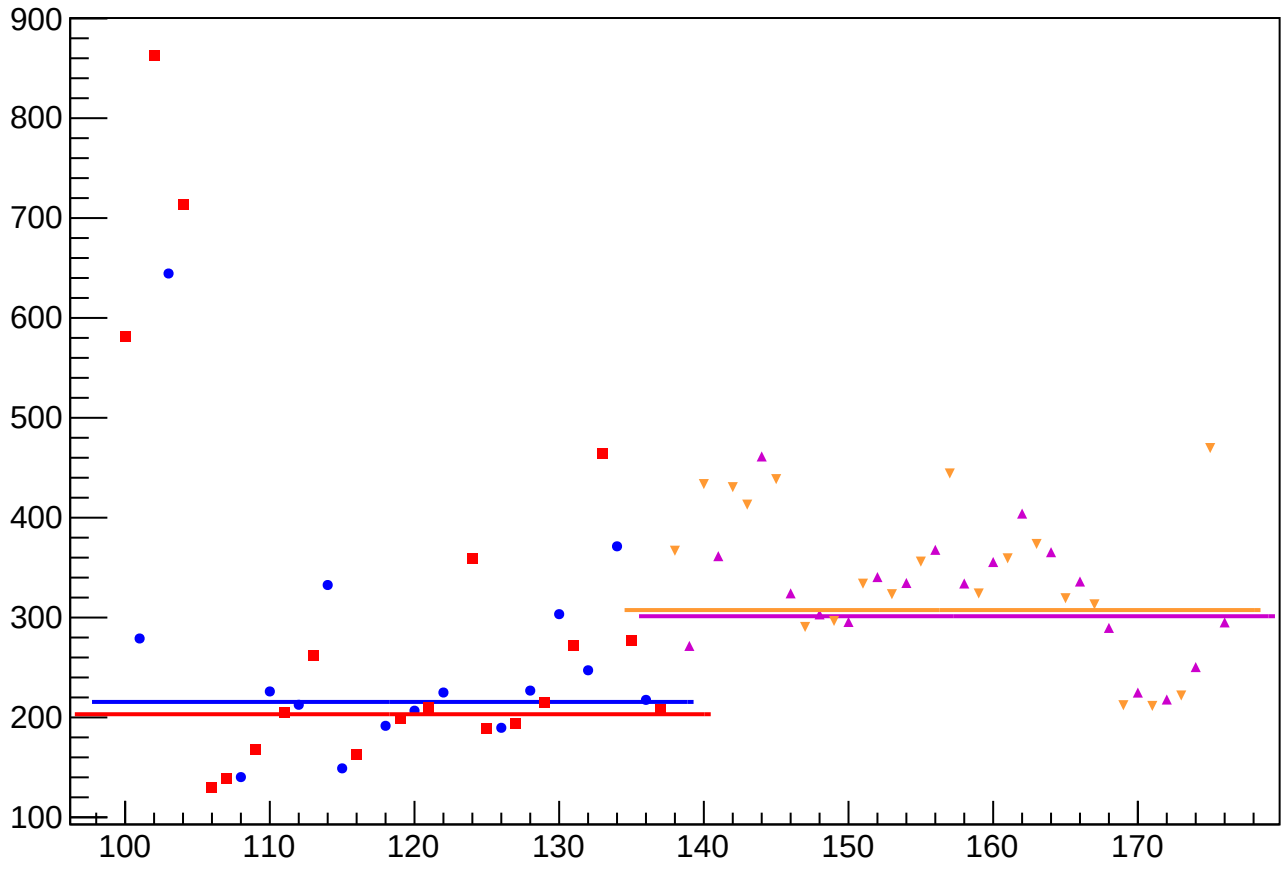
In: -0.000+/-0.000 χ^2/NDF:33.8/34

Out: 0.000+/-0.000 χ^2/NDF:40.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.6/73


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:1370050.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1244994.1/18
Left: 0.000+/-0.000 χ²/NDF: 2679198.0/38
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2964549.2/34
Out: 0.000+/-0.000 χ²/NDF:3601275.1/38
All: 0.000+/-0.000 χ²/NDF: 6654018.8/73


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: 0.026+/-0.081 χ²/NDF:20.7/19
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.079+/-0.079 χ²/NDF:28.8/18
Left: -0.027+/-0.057 χ²/NDF: 50.3/38
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.068+/-0.058 χ²/NDF:39.5/34
Out: 0.069+/-0.058 χ²/NDF:46.5/38
All: 0.001+/-0.041 χ²/NDF: 88.7/73



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

Left: 304.361+/-0.040 χ^2/NDF: 2900736.4/38

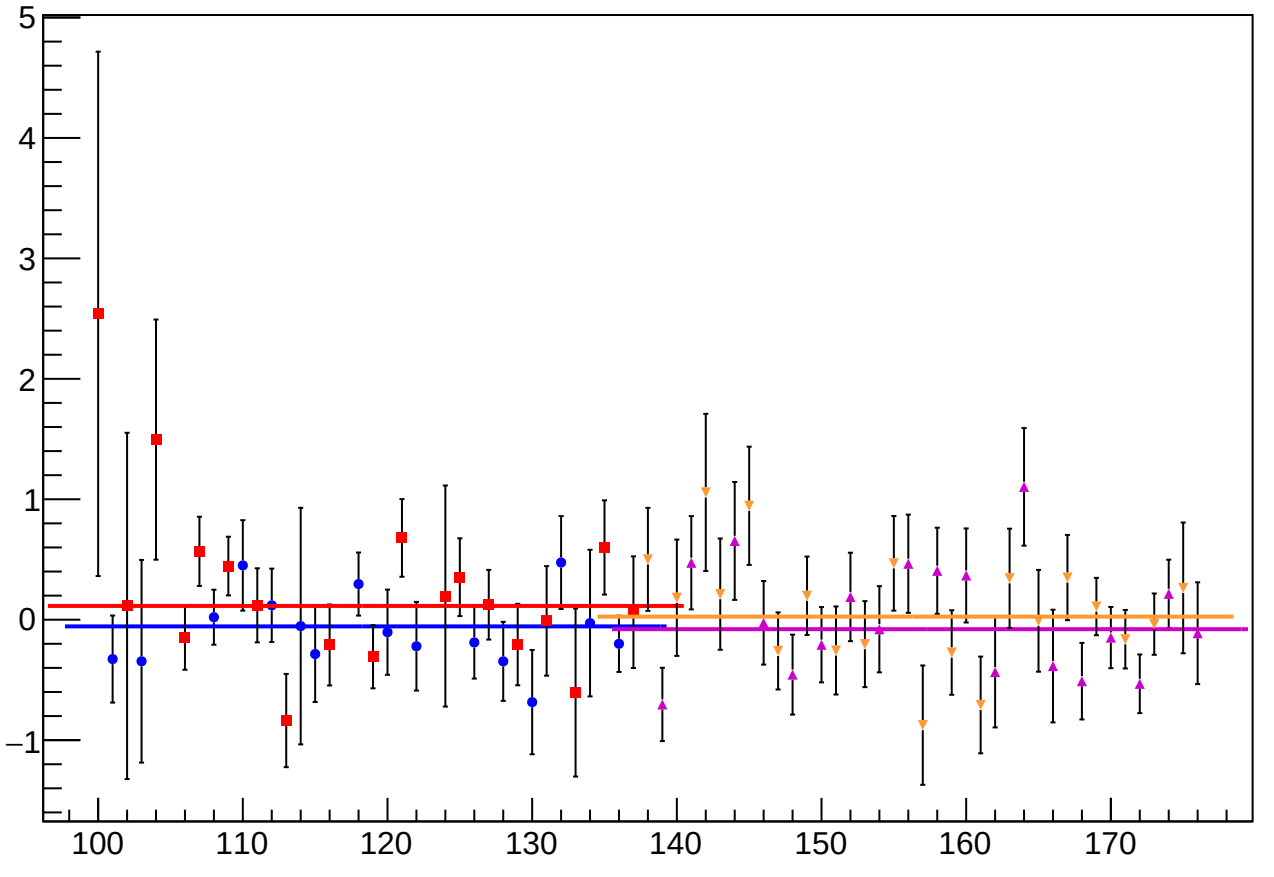
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.584+/-0.041 χ^2/NDF:3298566.6/34

Out: 256.906+/-0.041 χ^2/NDF:5280189.6/38

All: 259.236+/-0.029 χ^2/NDF: 8585248.2/73

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: 0.026+/-0.081 χ^2/NDF:20.7/19

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

Left: -0.027+/-0.057 χ^2/NDF: 50.3/38

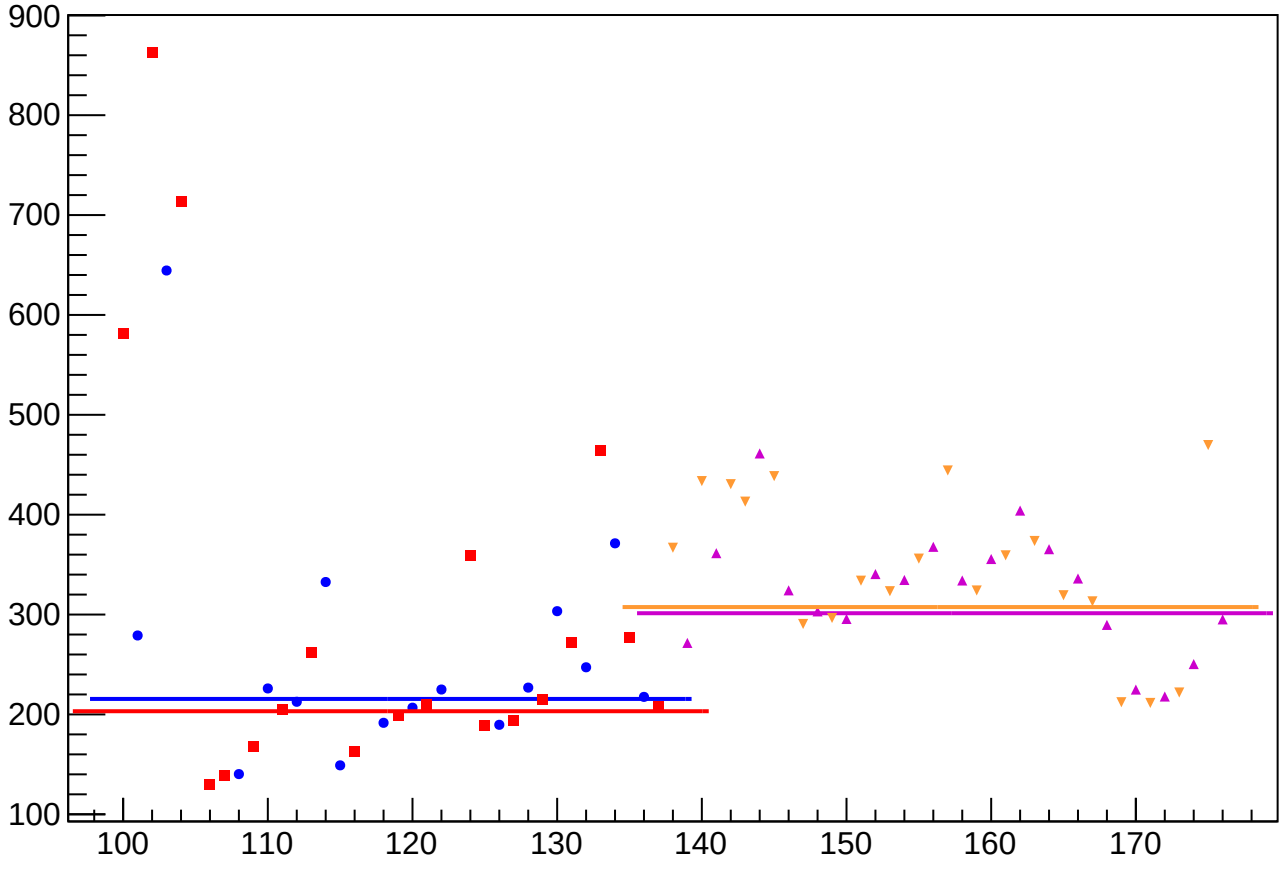
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.069+/-0.058 χ^2/NDF:46.5/38

All: 0.001+/-0.041 χ^2/NDF: 88.7/73

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 307.496+/-0.057 χ^2/NDF:1827239.1/19

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

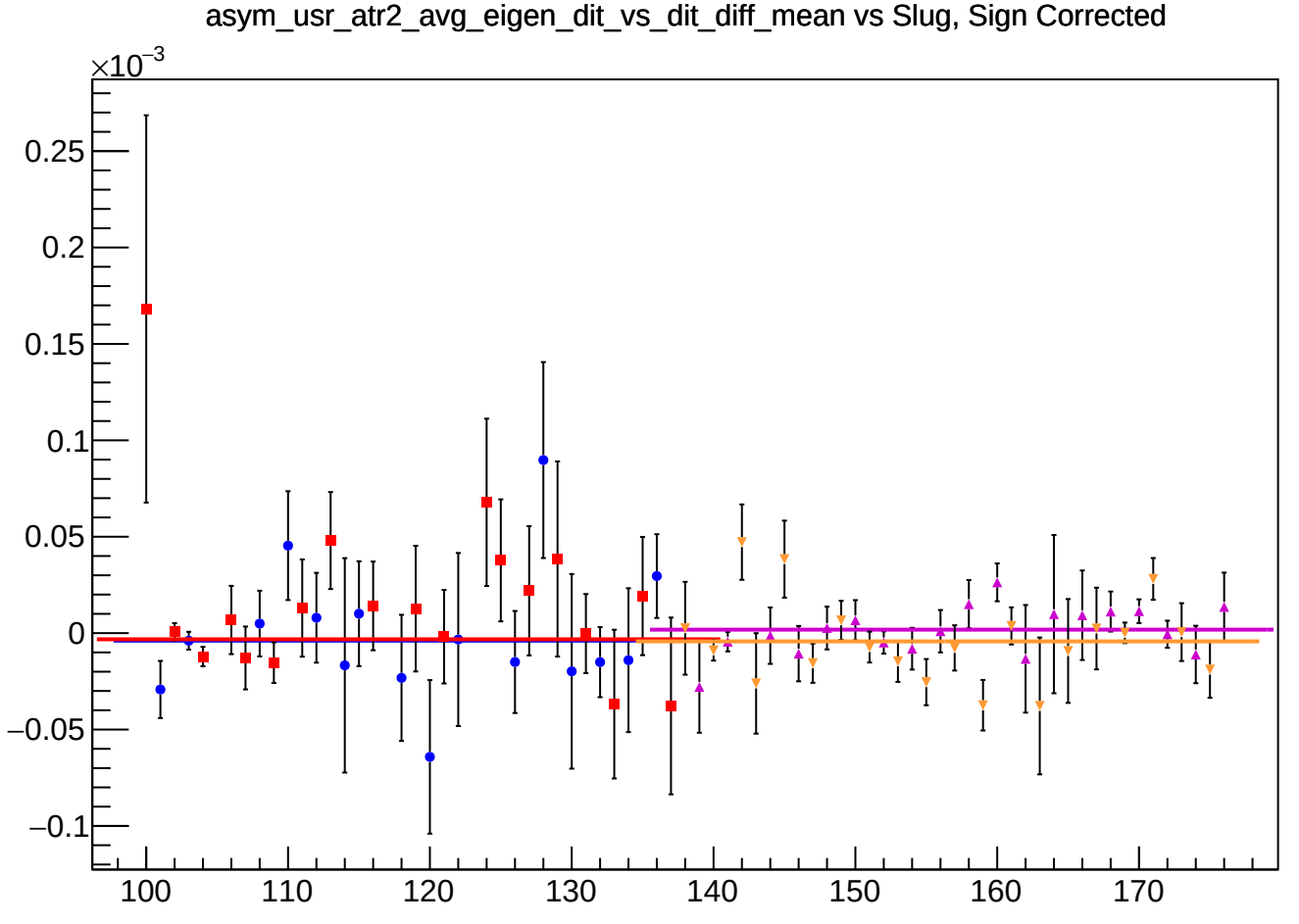
Left: 304.361+/-0.040 χ^2/NDF: 2900736.4/38

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.584+/-0.041 χ^2/NDF:3298566.6/34

Out: 256.906+/-0.041 χ^2/NDF:5280189.6/38

All: 259.236+/-0.029 χ^2/NDF: 8585248.2/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/18

Left: -0.000+/-0.000 χ^2/NDF: 60.7/38

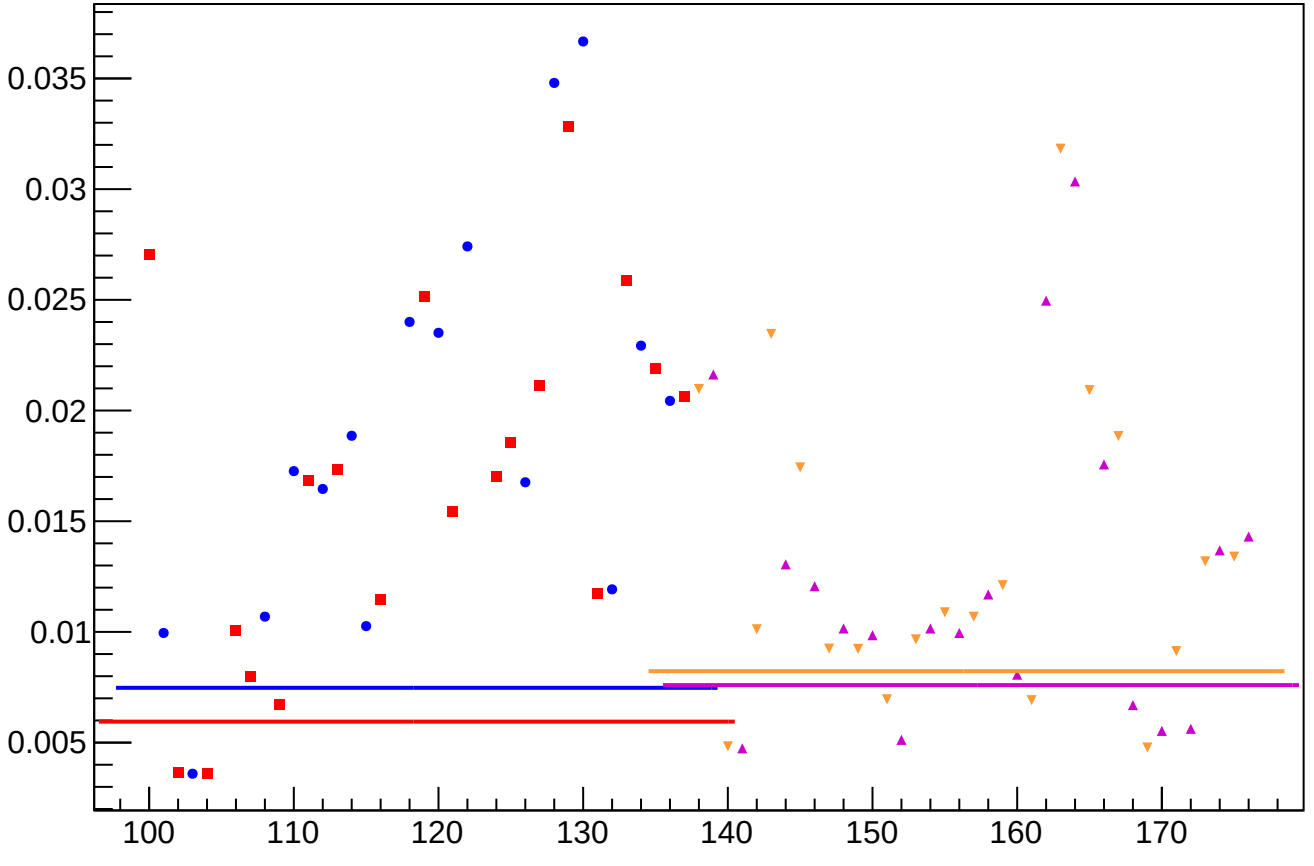
Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:36.2/34

Out: -0.000+/-0.000 χ^2/NDF:60.3/38

All: -0.000+/-0.000 χ^2/NDF: 99.0/73

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6195256.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:5571622.9/18

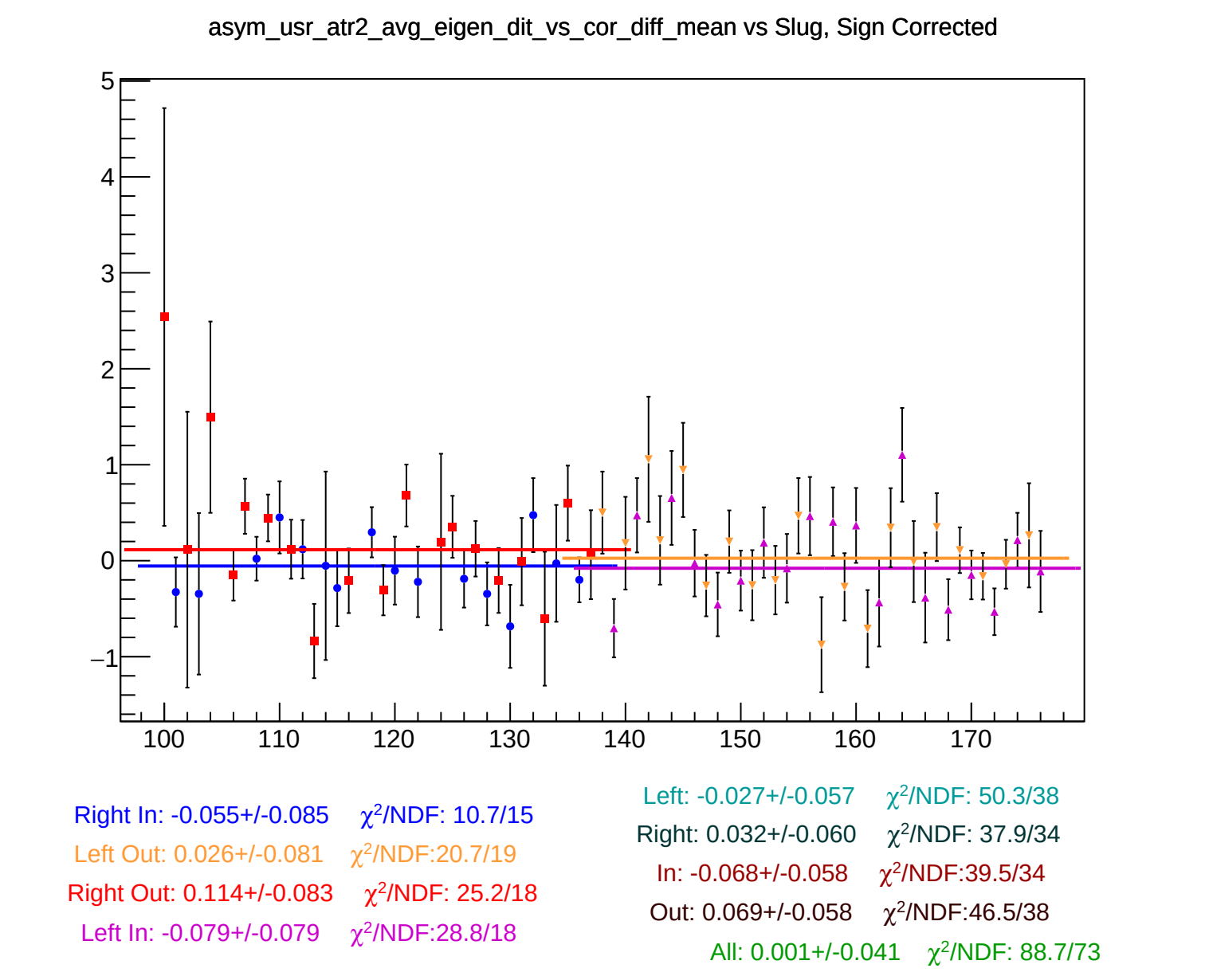
Left: 0.008+/-0.000 χ^2/NDF: 11840841.3/38

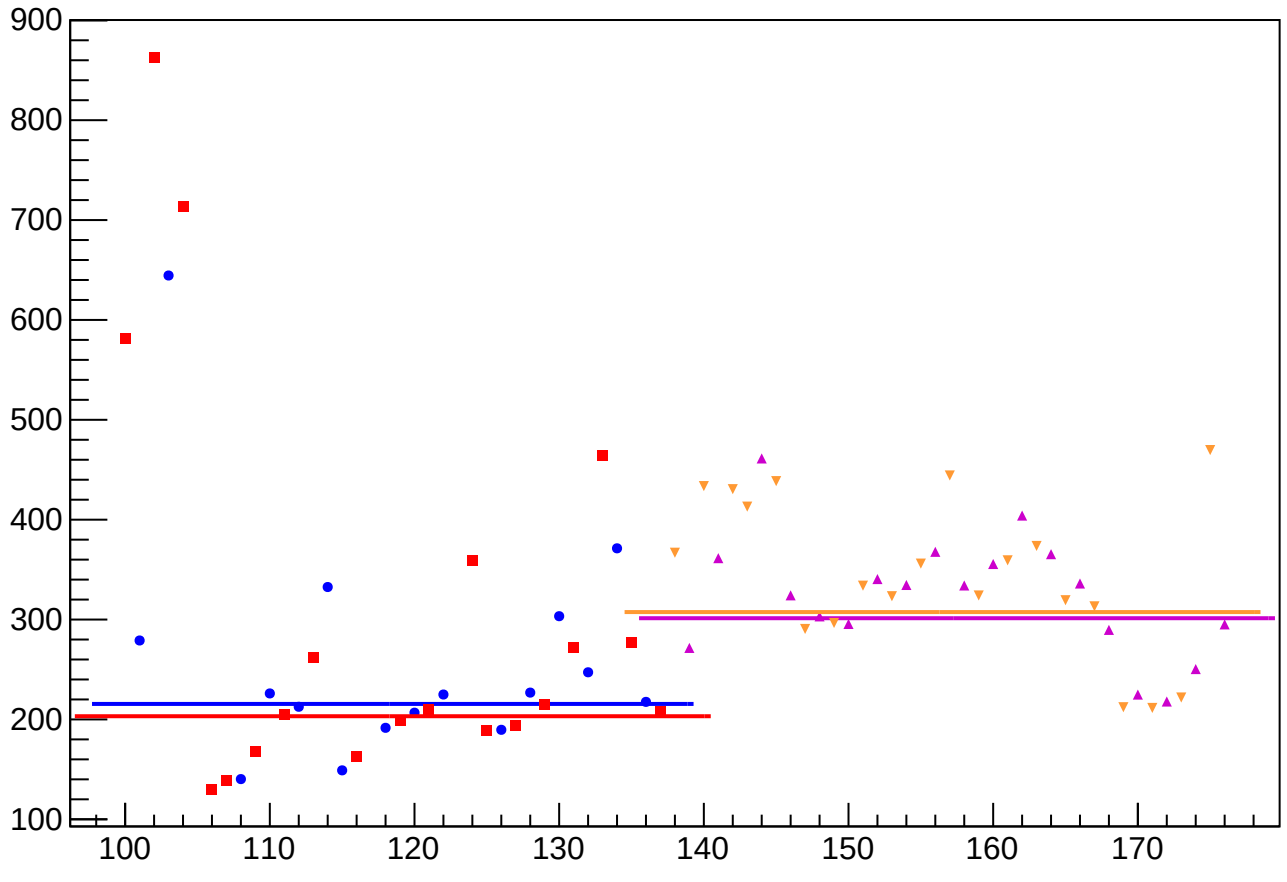
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:11649354.8/34

Out: 0.007+/-0.000 χ^2/NDF:12868418.1/38

All: 0.007+/-0.000 χ^2/NDF: 24536550.3/73


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: 0.026+/-0.081 χ²/NDF:20.7/19
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.079+/-0.079 χ²/NDF:28.8/18
Left: -0.027+/-0.057 χ²/NDF: 50.3/38
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.068+/-0.058 χ²/NDF:39.5/34
Out: 0.069+/-0.058 χ²/NDF:46.5/38
All: 0.001+/-0.041 χ²/NDF: 88.7/73



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

Left: 304.365+/-0.040 χ^2/NDF: 2900877.6/38

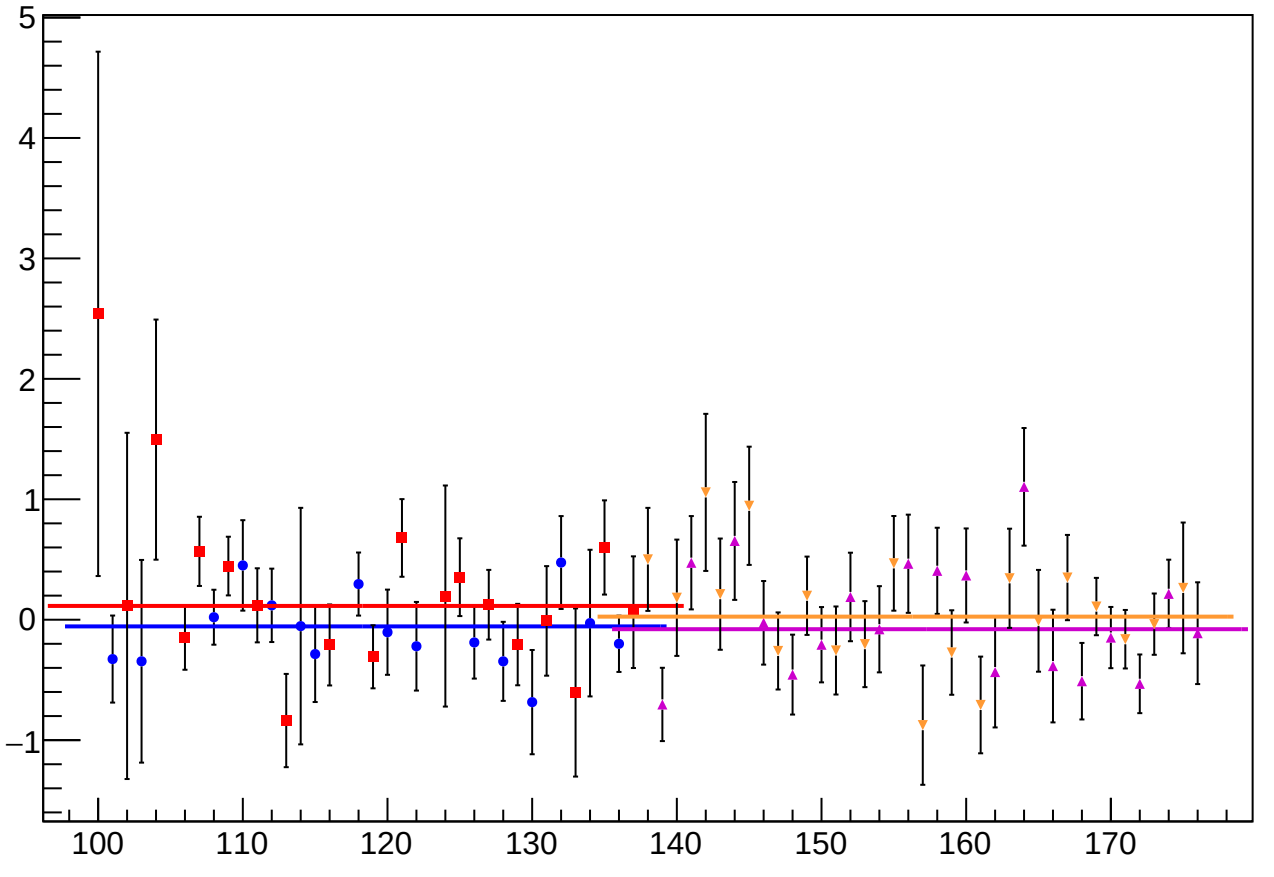
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.585+/-0.041 χ^2/NDF:3298703.9/34

Out: 256.905+/-0.041 χ^2/NDF:5280394.9/38

All: 259.237+/-0.029 χ^2/NDF: 8585592.7/73

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: 0.026+/-0.081 χ^2/NDF:20.7/19

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

Left: -0.027+/-0.057 χ^2/NDF: 50.3/38

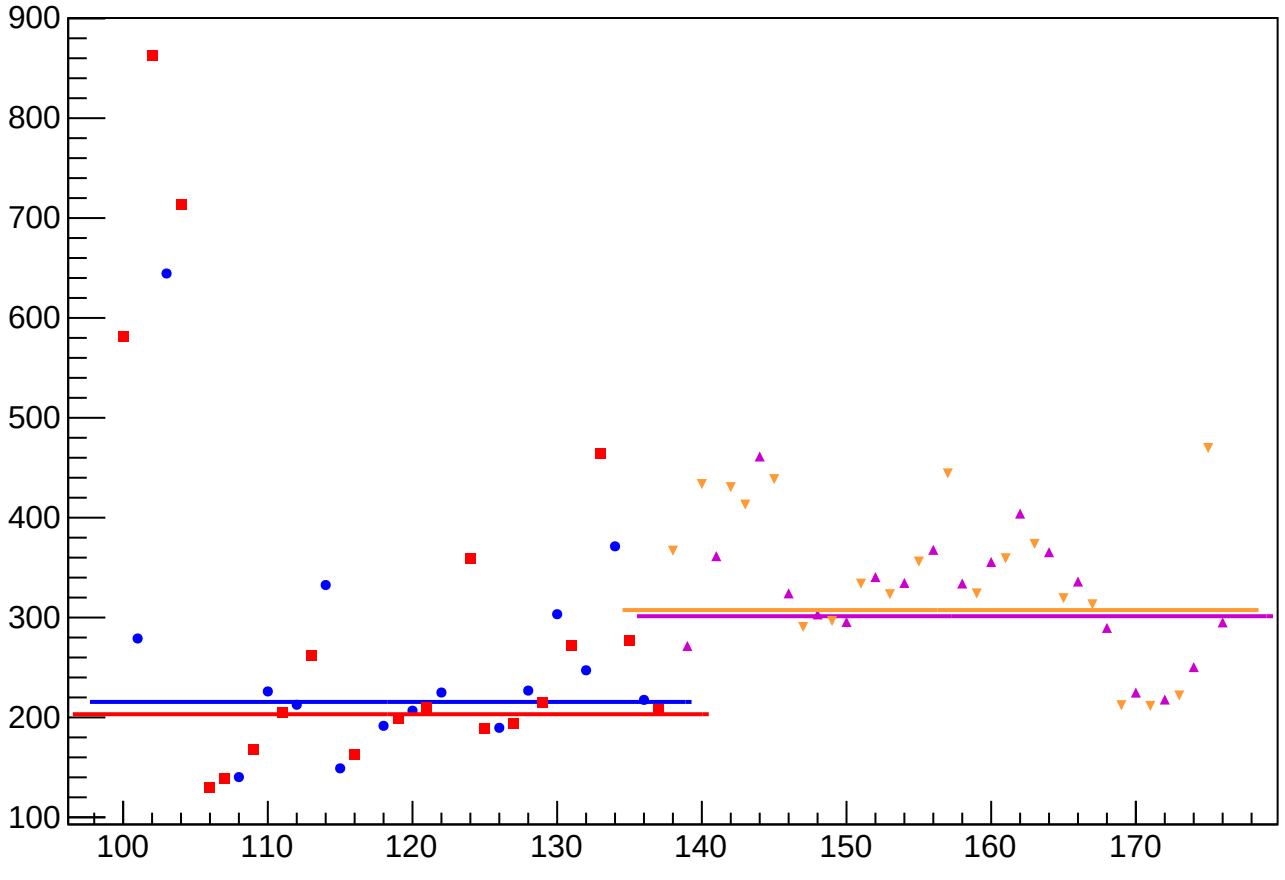
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.069+/-0.058 χ^2/NDF:46.5/38

All: 0.001+/-0.041 χ^2/NDF: 88.7/73

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 307.499+/-0.057 χ^2/NDF:1827329.9/19

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

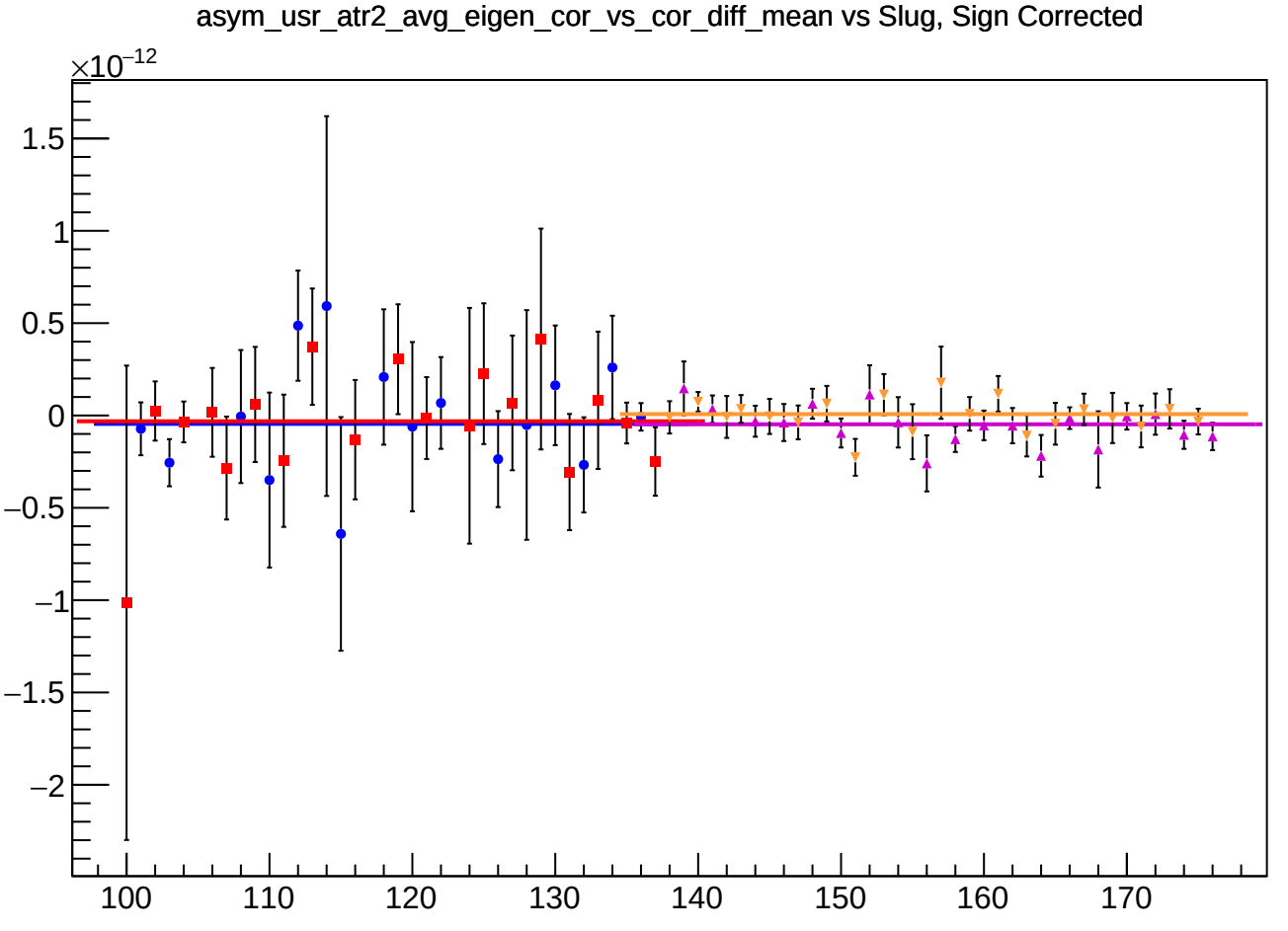
Left: 304.365+/-0.040 χ^2/NDF: 2900877.6/38

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.585+/-0.041 χ^2/NDF:3298703.9/34

Out: 256.905+/-0.041 χ^2/NDF:5280394.9/38

All: 259.237+/-0.029 χ^2/NDF: 8585592.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/18

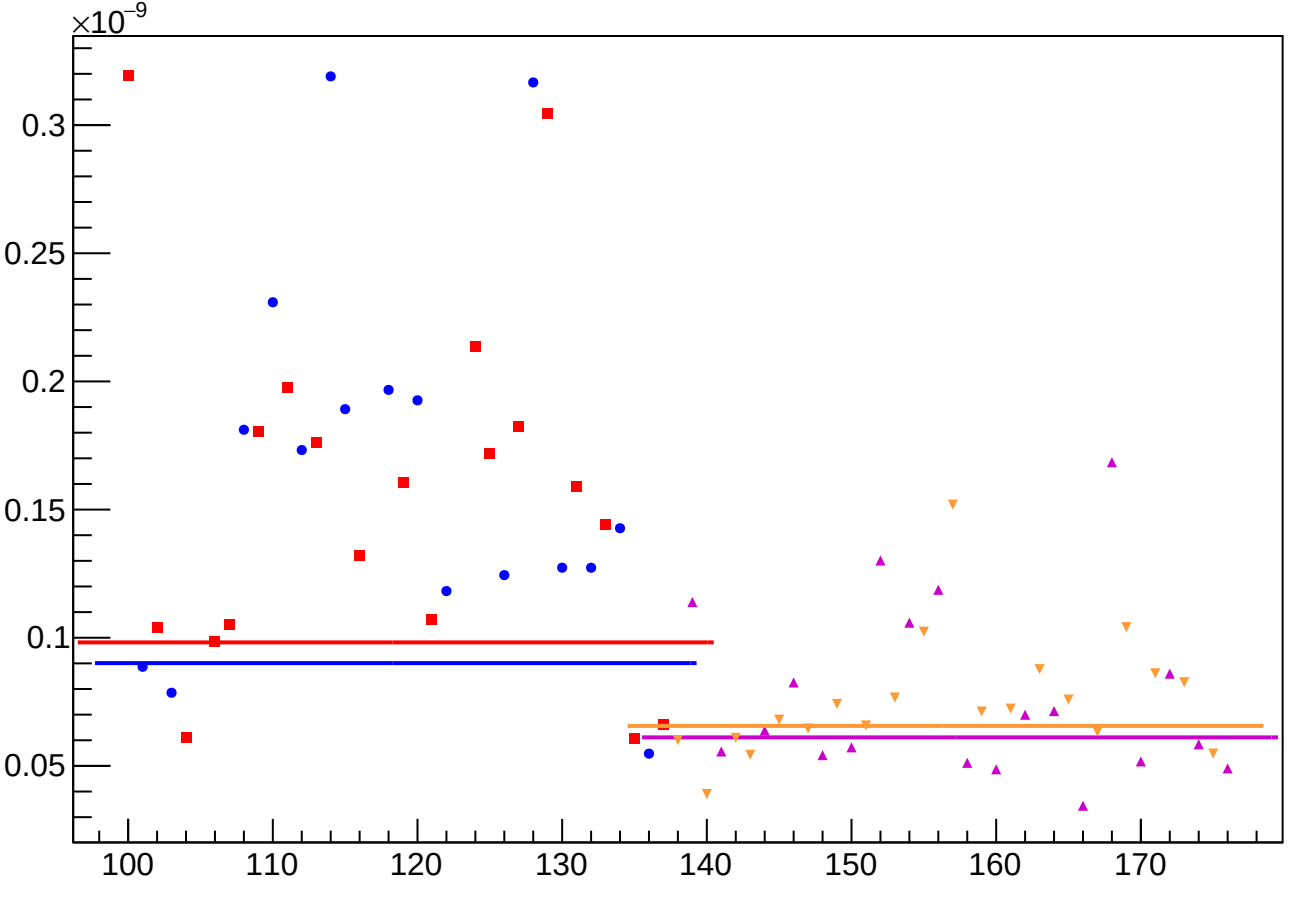
Left: -0.000+/-0.000 χ^2/NDF: 31.6/38

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: 0.000+/-0.000 χ^2/NDF:22.3/38

All: -0.000+/-0.000 χ^2/NDF: 51.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1545323.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2536041.5/18

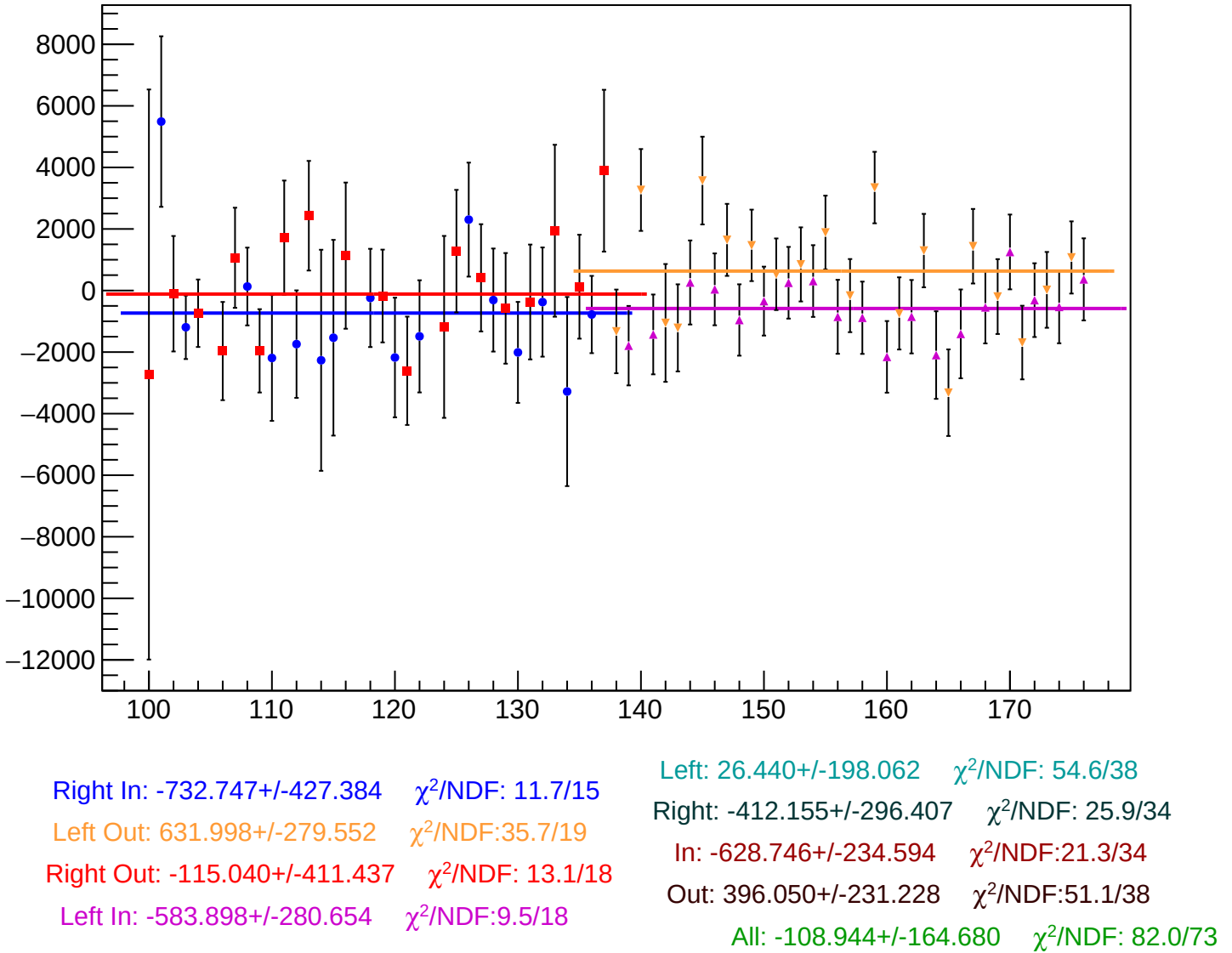
Left: 0.000+/-0.000 χ^2/NDF: 4128407.2/38

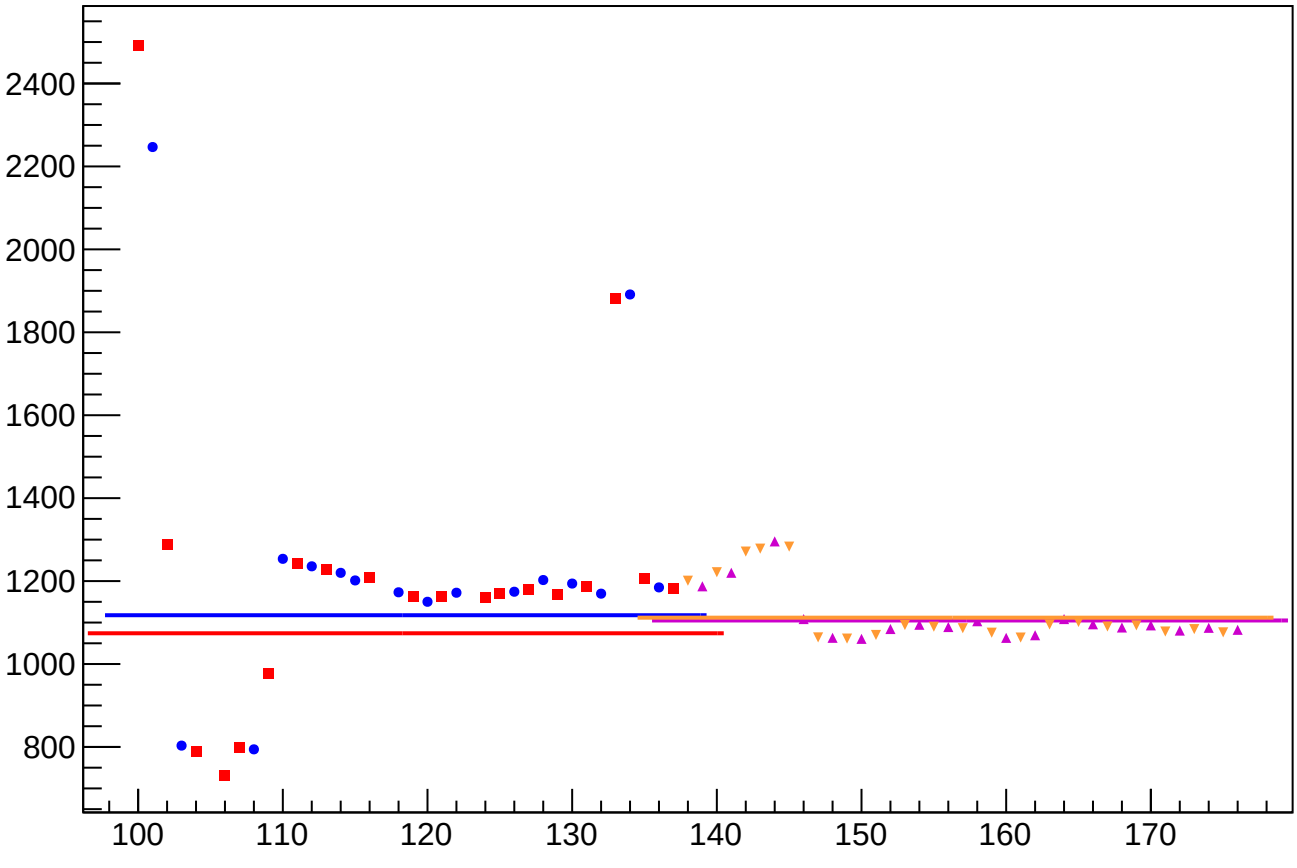
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4920764.4/34

Out: 0.000+/-0.000 χ^2/NDF:3914254.1/38

All: 0.000+/-0.000 χ^2/NDF: 8900280.1/73


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: 631.998+/-279.552 χ²/NDF:35.7/19
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -583.898+/-280.654 χ²/NDF:9.5/18
Left: 26.440+/-198.062 χ²/NDF: 54.6/38
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -628.746+/-234.594 χ²/NDF:21.3/34
Out: 396.050+/-231.228 χ²/NDF:51.1/38
All: -108.944+/-164.680 χ²/NDF: 82.0/73



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.9/19

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

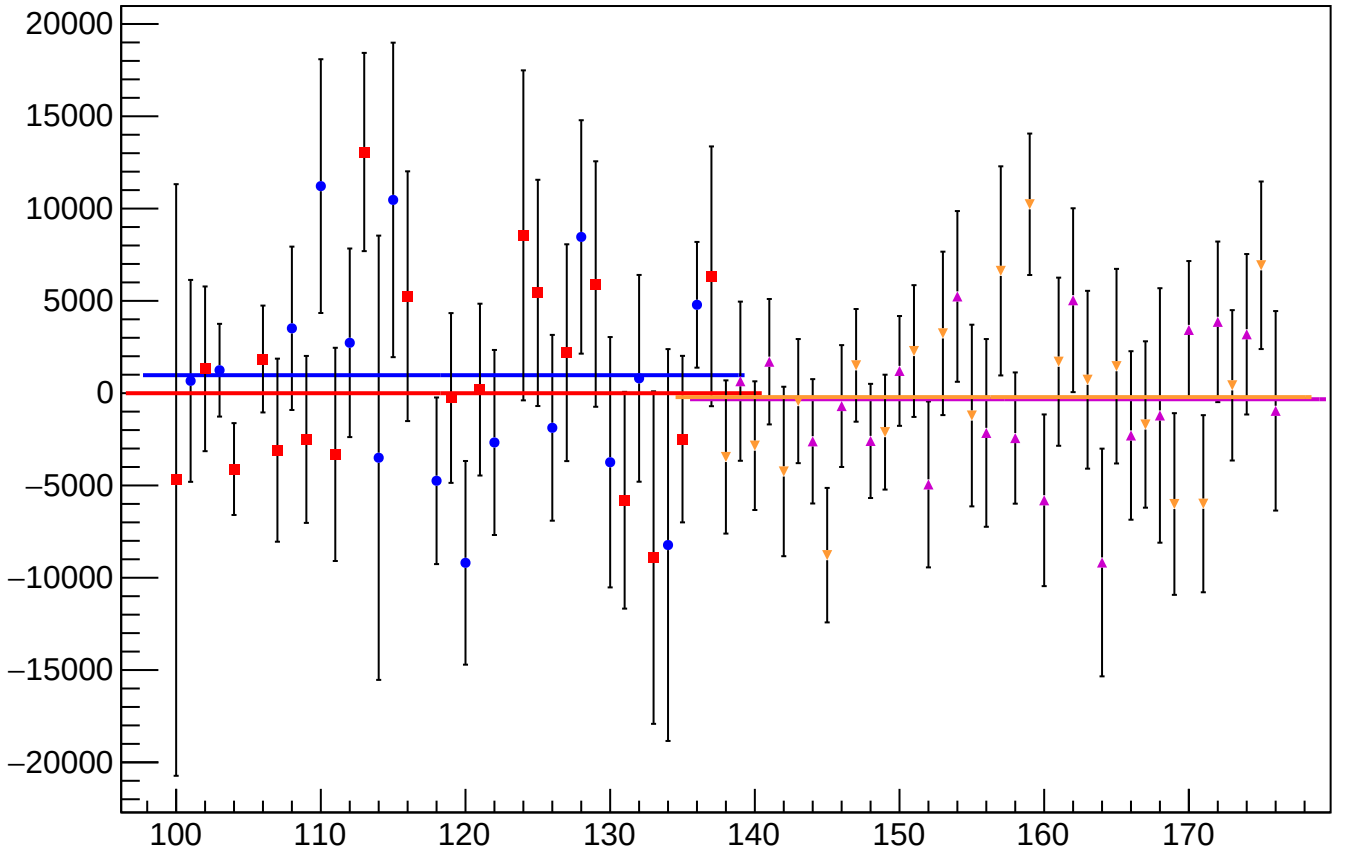
Left: 1108.410+/-0.140 χ^2/NDF: 192805.5/38

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1108.838+/-0.166 χ^2/NDF:897768.8/34

Out: 1099.752+/-0.163 χ^2/NDF:776597.7/38

All: 1104.217+/-0.116 χ^2/NDF: 1675892.4/73



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.998 χ^2/NDF:24.0/19

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -329.017+/-934.318 χ^2/NDF:12.1/18

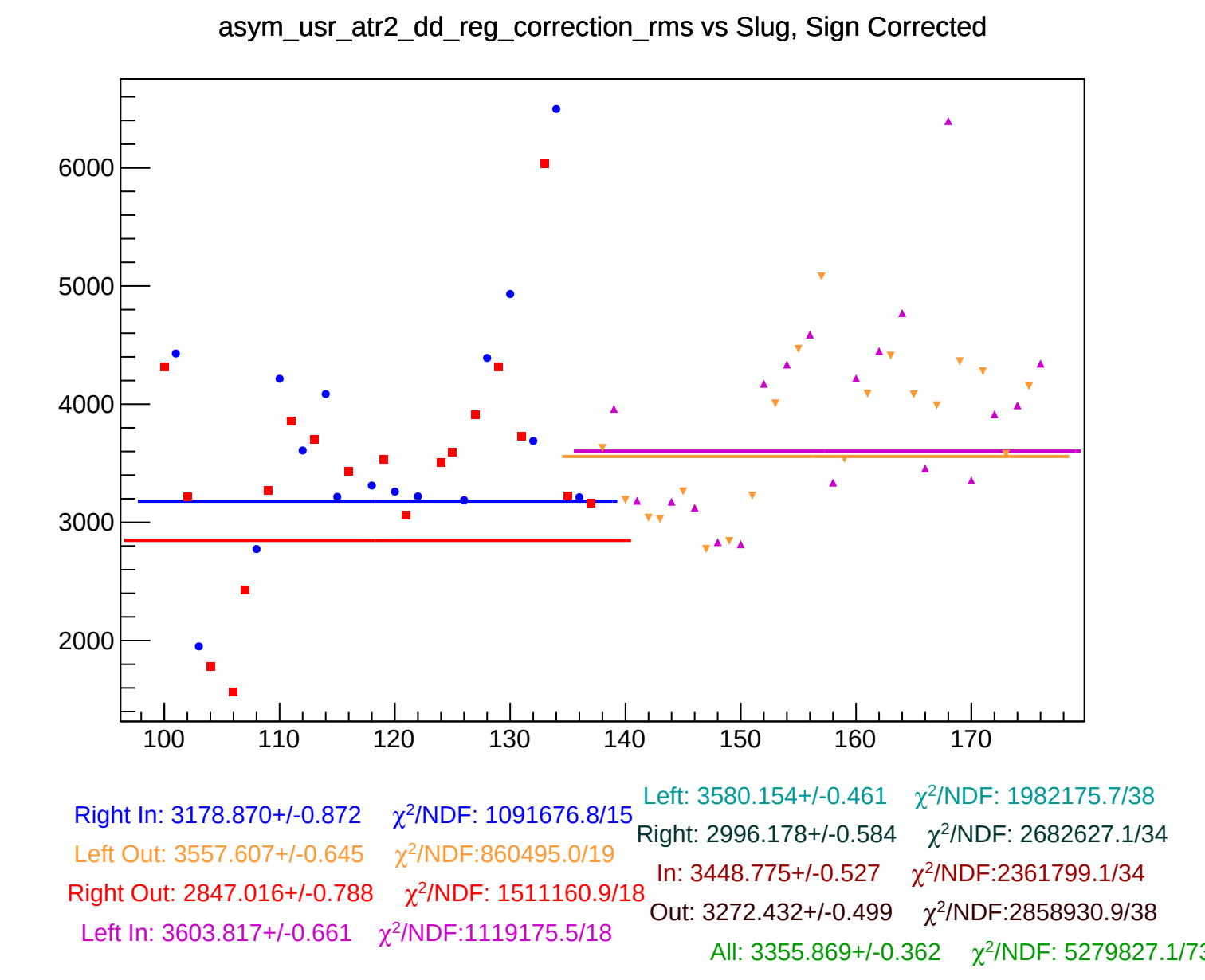
Left: -270.227+/-652.628 χ^2/NDF: 36.0/38

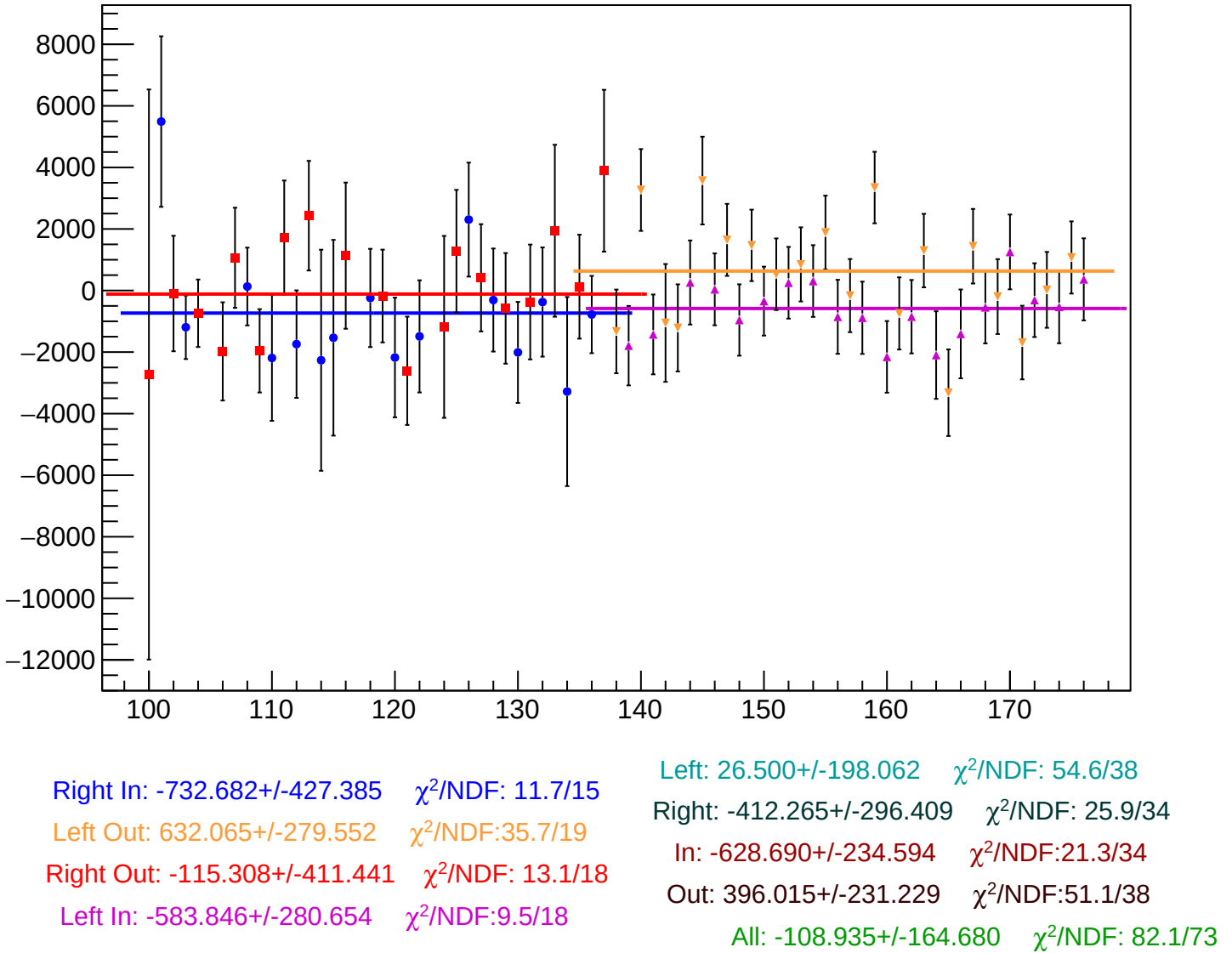
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

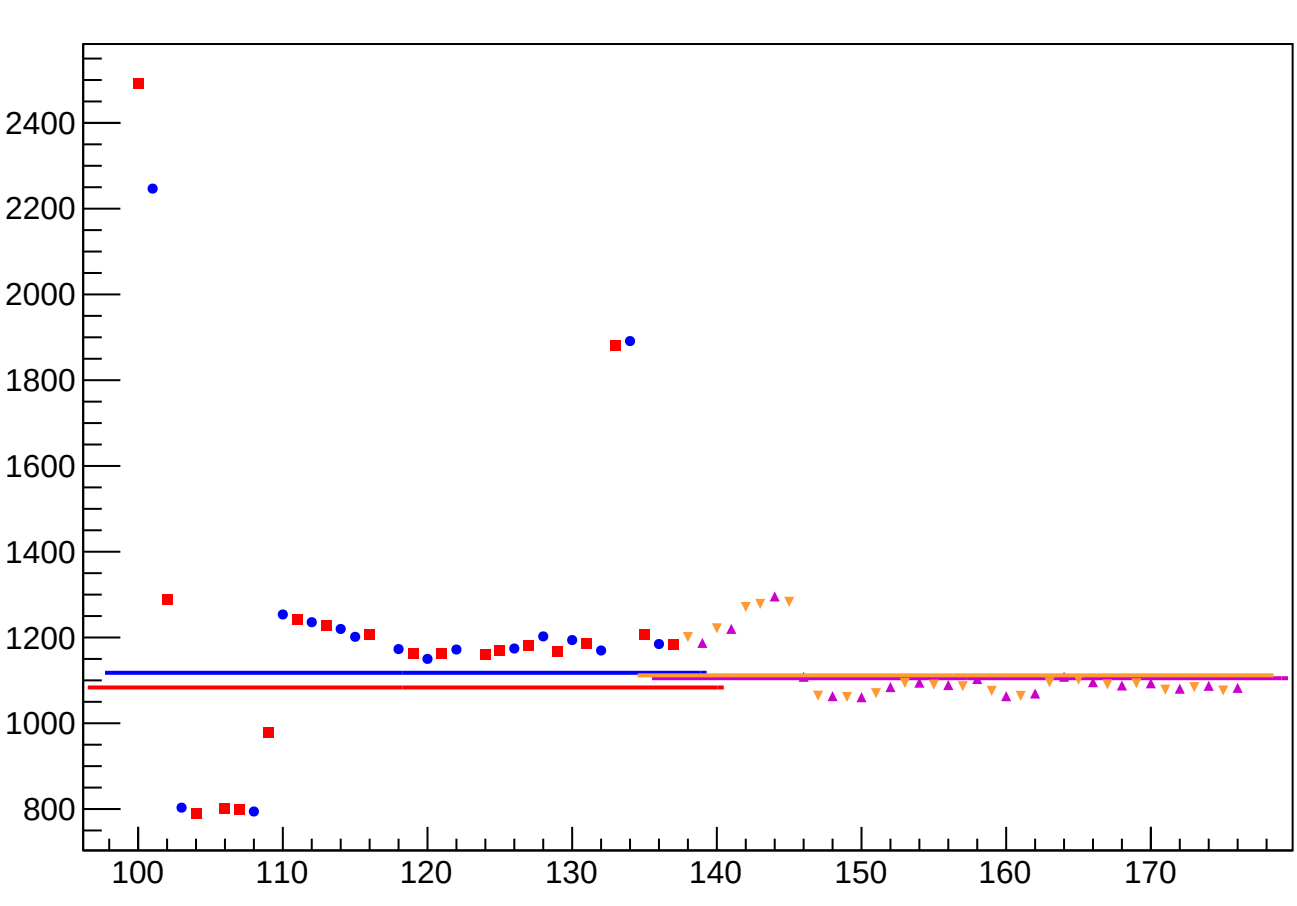
In: 146.298+/-744.617 χ^2/NDF:26.6/34

Out: -129.402+/-705.652 χ^2/NDF:40.5/38

All: 1.046+/-512.193 χ^2/NDF: 67.2/73


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: 3557.607+/-0.645 χ²/NDF:860495.0/19
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3603.817+/-0.661 χ²/NDF:1119175.5/18
Left: 3580.154+/-0.461 χ²/NDF: 1982175.7/38
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3448.775+/-0.527 χ²/NDF:2361799.1/34
Out: 3272.432+/-0.499 χ²/NDF:2858930.9/38
All: 3355.869+/-0.362 χ²/NDF: 5279827.1/73


cor_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: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 632.065+/-279.552 χ²/NDF:35.7/19
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -583.846+/-280.654 χ²/NDF:9.5/18
Left: 26.500+/-198.062 χ²/NDF: 54.6/38
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -628.690+/-234.594 χ²/NDF:21.3/34
Out: 396.015+/-231.229 χ²/NDF:51.1/38
All: -108.935+/-164.680 χ²/NDF: 82.1/73



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

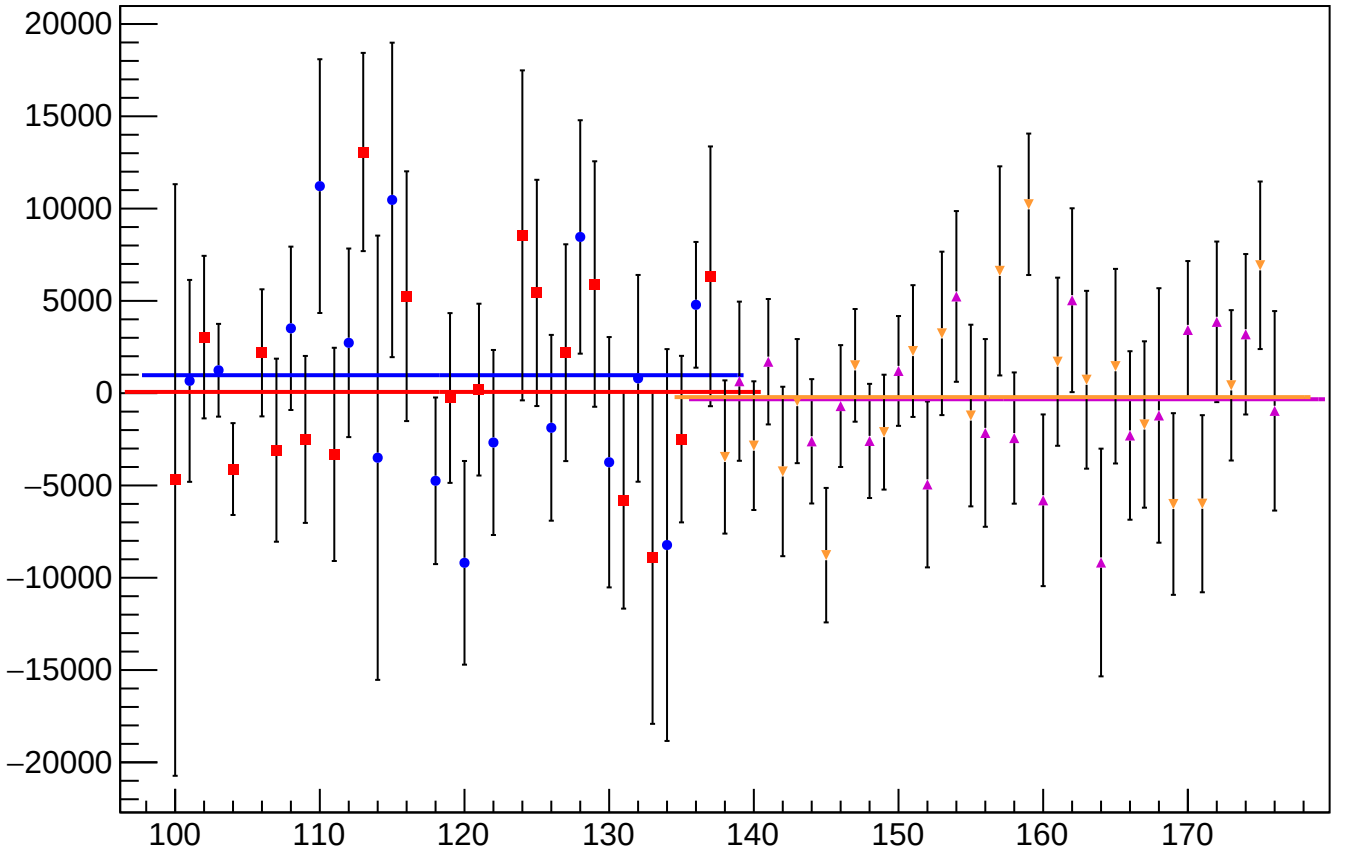
Left: 1108.410+/-0.140 χ^2/NDF: 192805.5/38

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1108.838+/-0.166 χ^2/NDF:897765.5/34

Out: 1102.793+/-0.163 χ^2/NDF:717047.5/38

All: 1105.770+/-0.116 χ^2/NDF: 1615487.2/73



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -329.012+/-934.317 χ^2/NDF:12.1/18

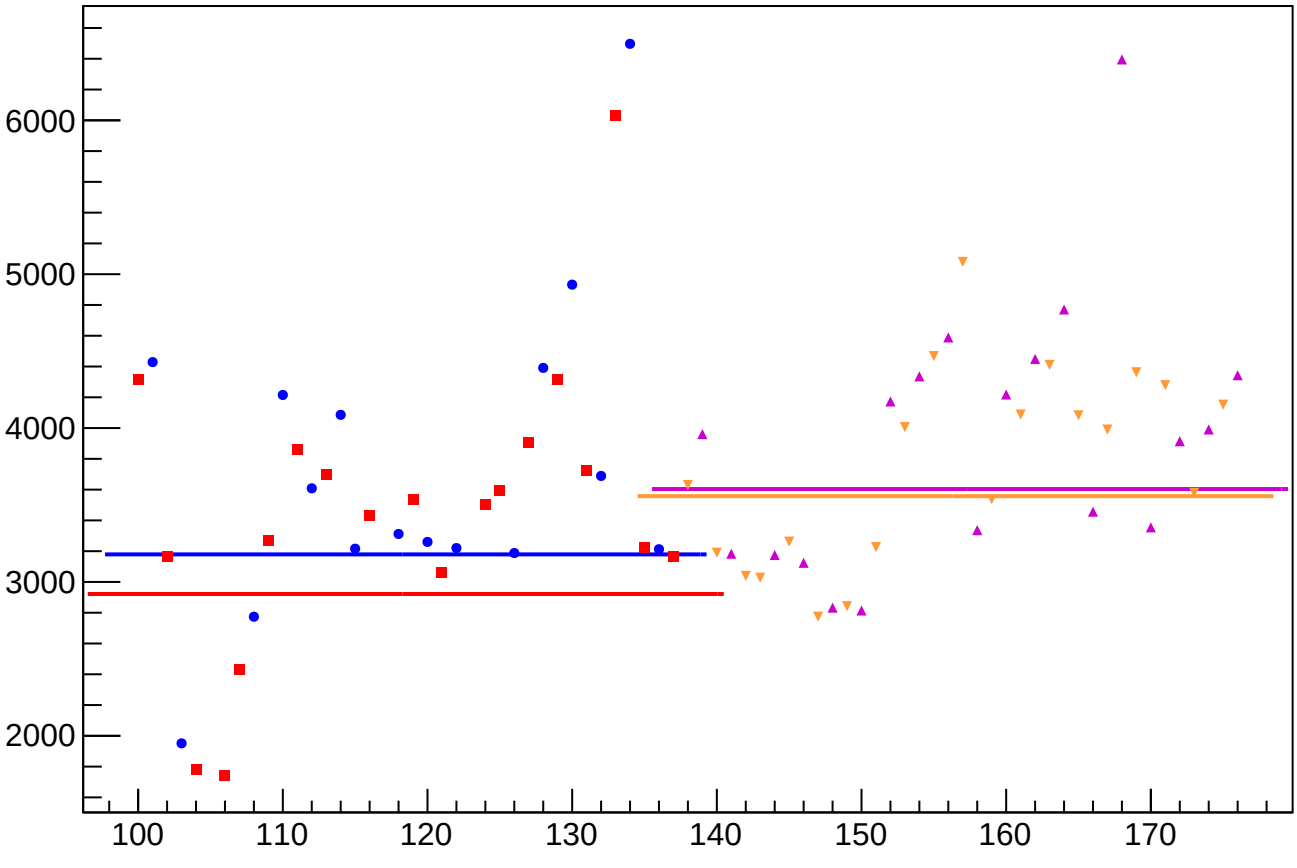
Left: -270.225+/-652.627 χ^2/NDF: 36.0/38

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 146.095+/-744.628 χ^2/NDF:26.6/34

Out: -104.179+/-711.636 χ^2/NDF:40.9/38

All: 15.291+/-514.471 χ^2/NDF: 67.6/73


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
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120
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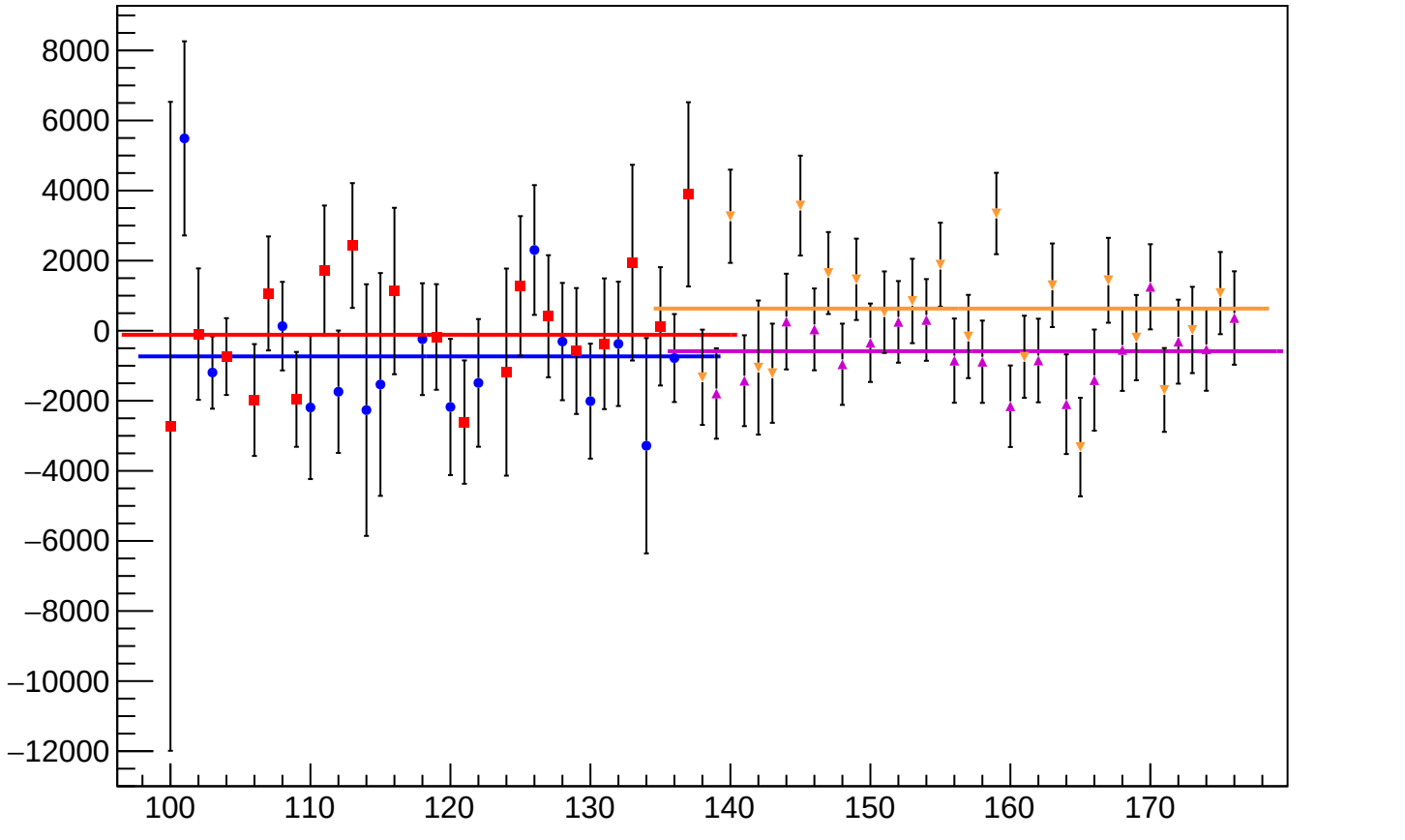
140
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3557.603+/-0.645 χ²/NDF:860498.5/19
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3603.815+/-0.661 χ²/NDF:1119180.2/18
Left: 3580.151+/-0.461 χ²/NDF: 1982184.2/38
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3448.849+/-0.527 χ²/NDF:2361223.5/34
Out: 3308.864+/-0.503 χ²/NDF:2553771.1/38
All: 3375.687+/-0.364 χ²/NDF: 4951936.9/73



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 632.065+/-279.552 χ^2/NDF:35.7/19

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -583.846+/-280.654 χ^2/NDF:9.5/18

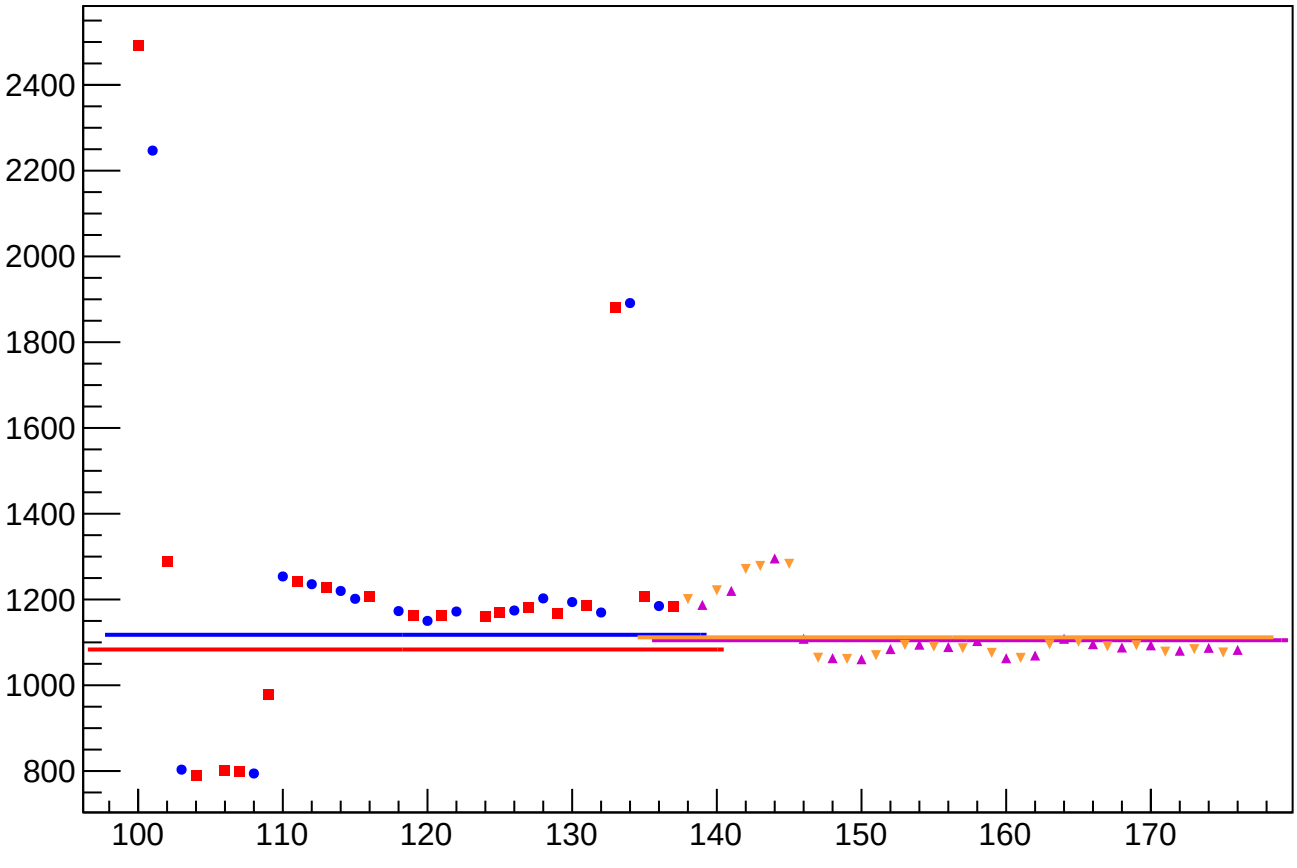
Left: 26.500+/-198.062 χ^2/NDF: 54.6/38

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -628.690+/-234.594 χ^2/NDF:21.3/34

Out: 396.015+/-231.229 χ^2/NDF:51.1/38

All: -108.935+/-164.680 χ^2/NDF: 82.1/73



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1111.770+/-0.198 χ^2/NDF:115517.8/19

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

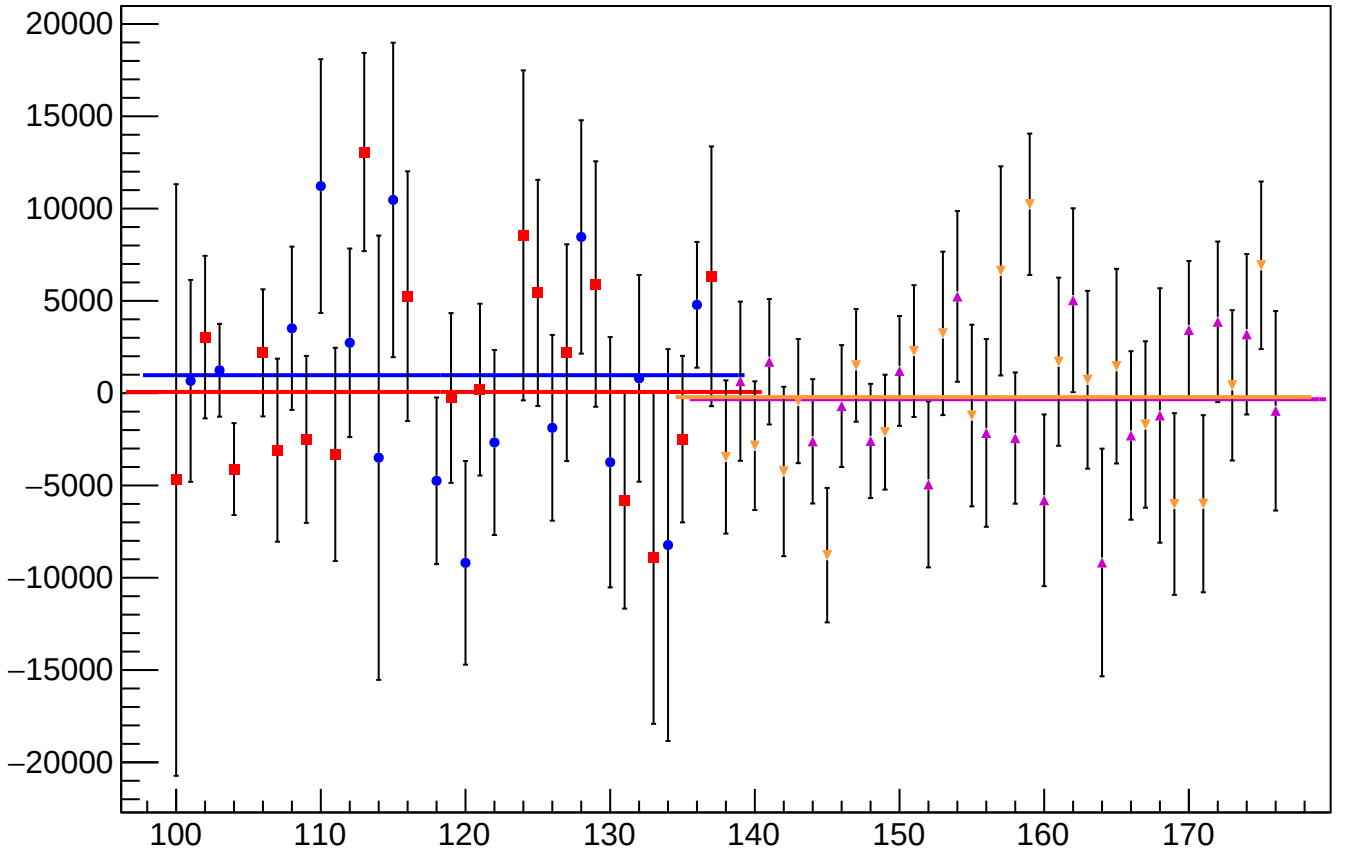
Left: 1108.410+/-0.140 χ^2/NDF: 192805.5/38

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1108.838+/-0.166 χ^2/NDF:897765.5/34

Out: 1102.793+/-0.163 χ^2/NDF:717047.5/38

All: 1105.770+/-0.116 χ^2/NDF: 1615487.2/73



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -214.212+/-911.997 χ^2/NDF:24.0/19

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -329.012+/-934.317 χ^2/NDF:12.1/18

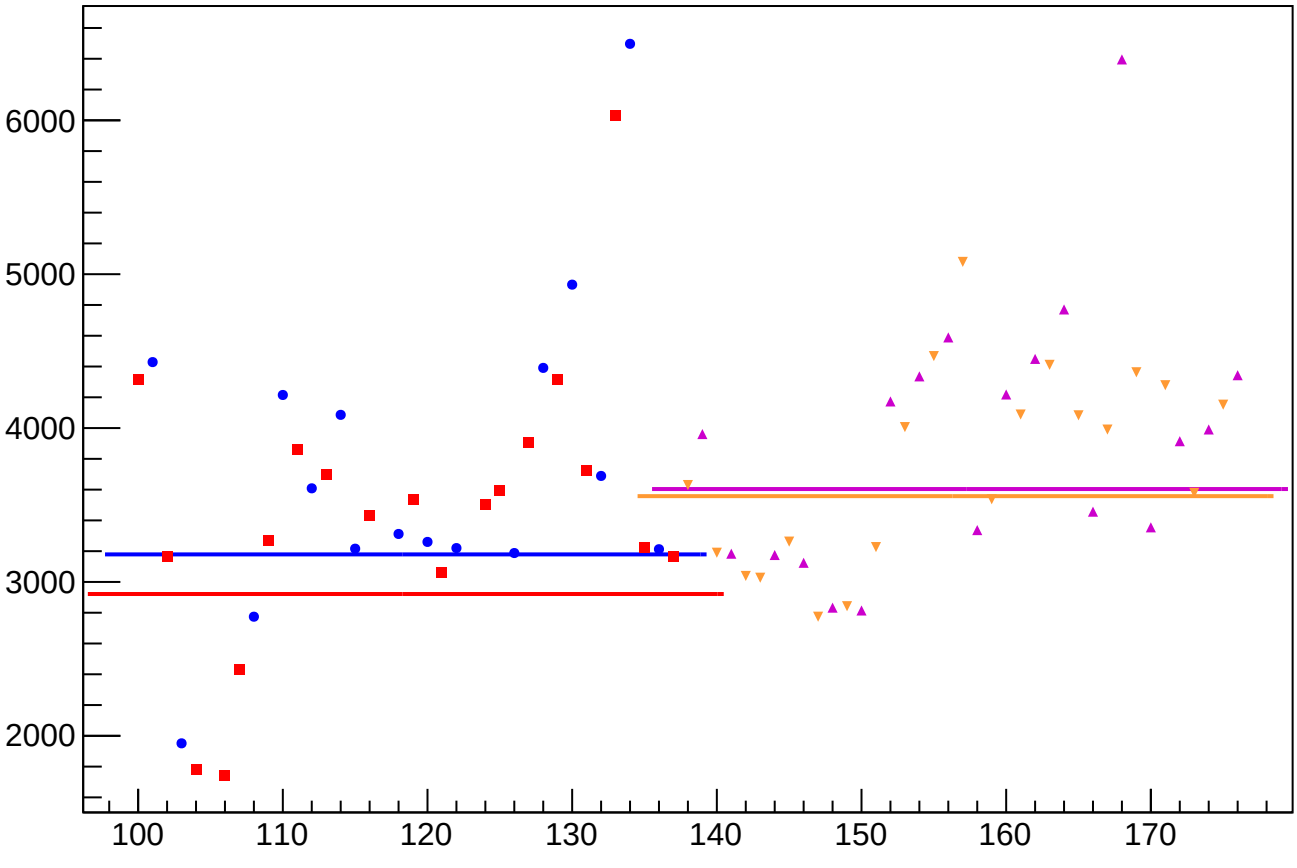
Left: -270.225+/-652.627 χ^2/NDF: 36.0/38

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 146.095+/-744.628 χ^2/NDF:26.6/34

Out: -104.179+/-711.636 χ^2/NDF:40.9/38

All: 15.291+/-514.471 χ^2/NDF: 67.6/73


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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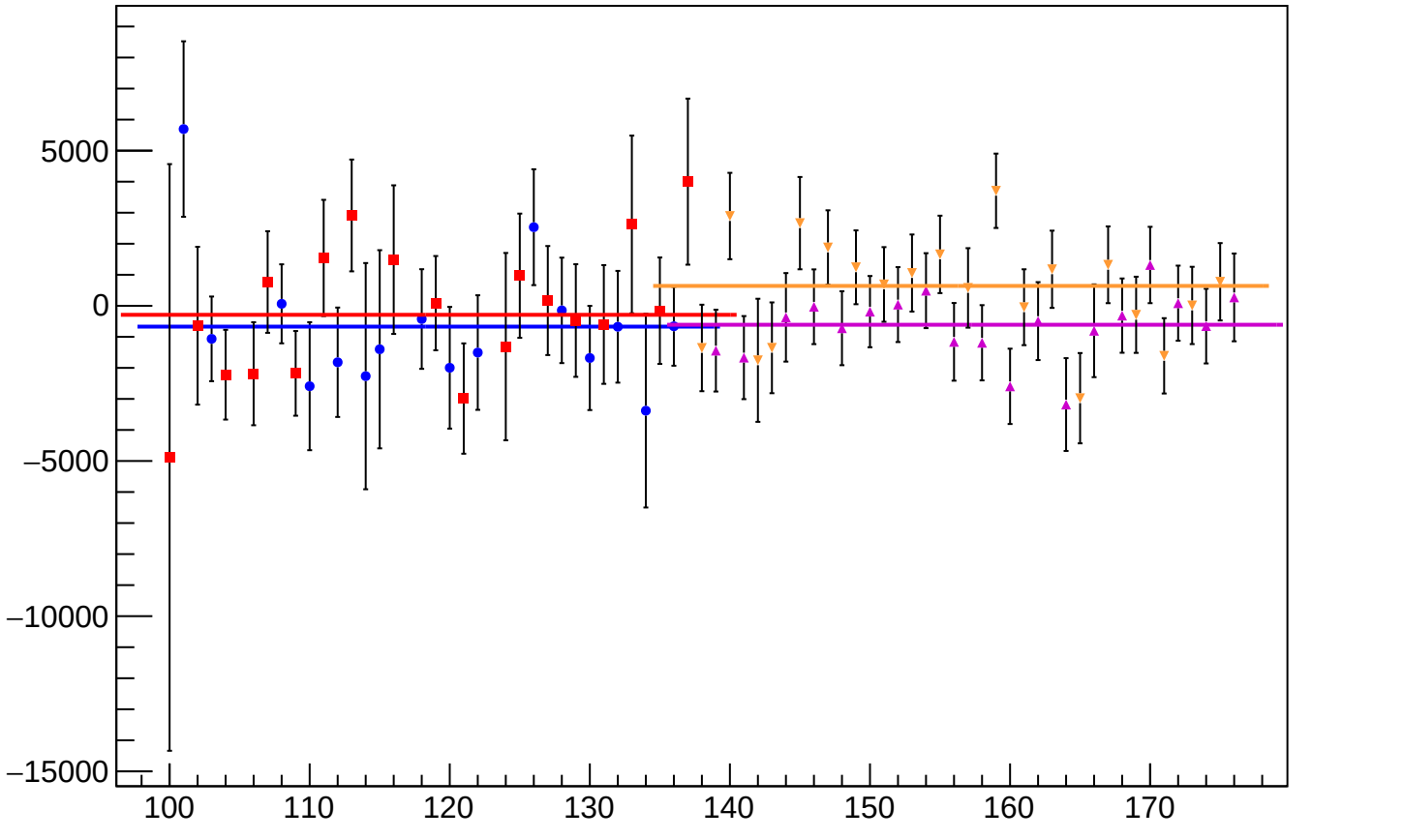
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3557.603+/-0.645 χ²/NDF:860498.5/19
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3603.815+/-0.661 χ²/NDF:1119180.2/18
Left: 3580.151+/-0.461 χ²/NDF: 1982184.2/38
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3448.849+/-0.527 χ²/NDF:2361223.5/34
Out: 3308.864+/-0.503 χ²/NDF:2553771.1/38
All: 3375.687+/-0.364 χ²/NDF: 4951936.9/73



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.887+/-289.035 χ^2/NDF:29.8/19

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -610.678+/-289.762 χ^2/NDF:11.9/18

Left: 16.676+/-204.635 χ^2/NDF: 51.0/38

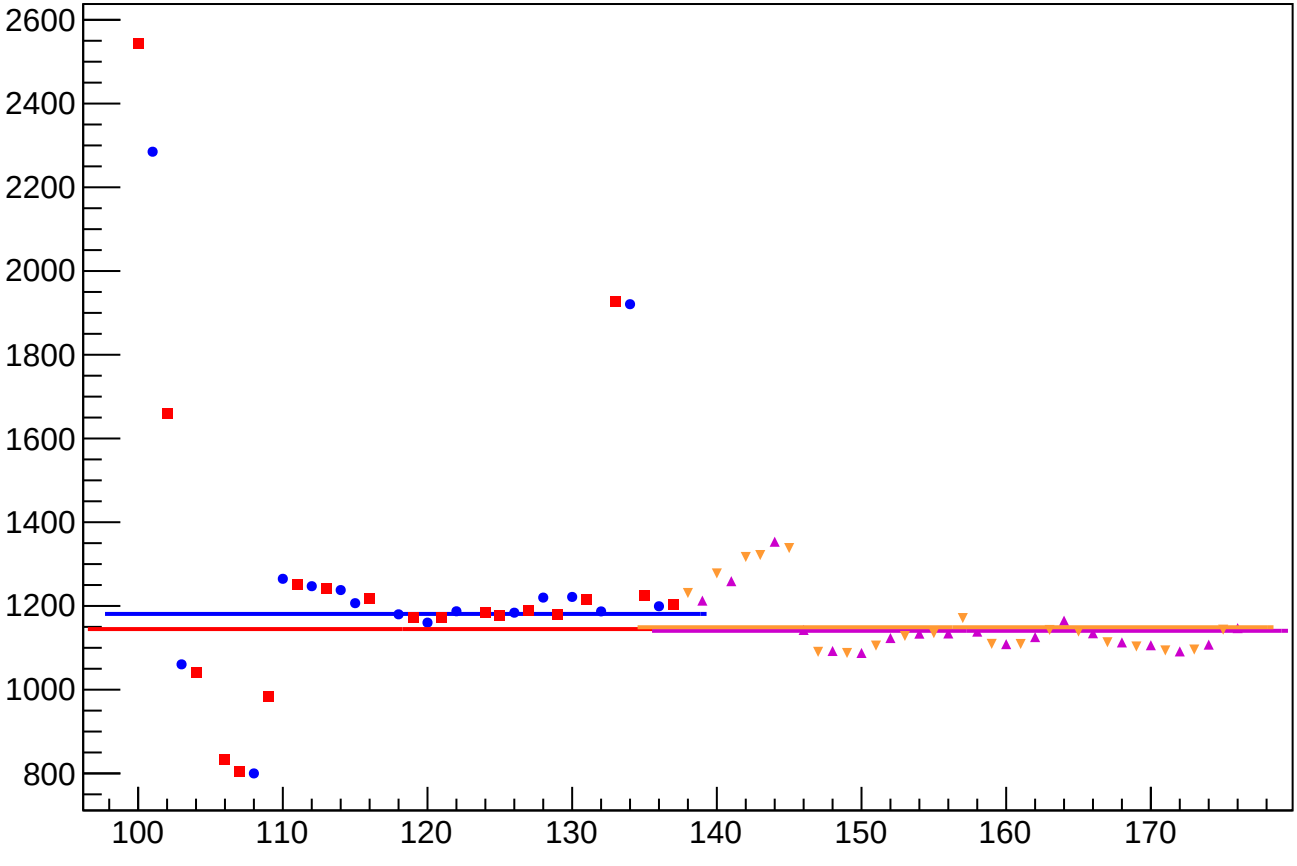
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -628.389+/-243.385 χ^2/NDF:23.7/34

Out: 355.161+/-240.640 χ^2/NDF:49.9/38

All: -131.036+/-171.121 χ^2/NDF: 81.9/73

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.118+/-0.204 χ^2/NDF:129498.4/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.621+/-0.205 χ^2/NDF:83932.5/18

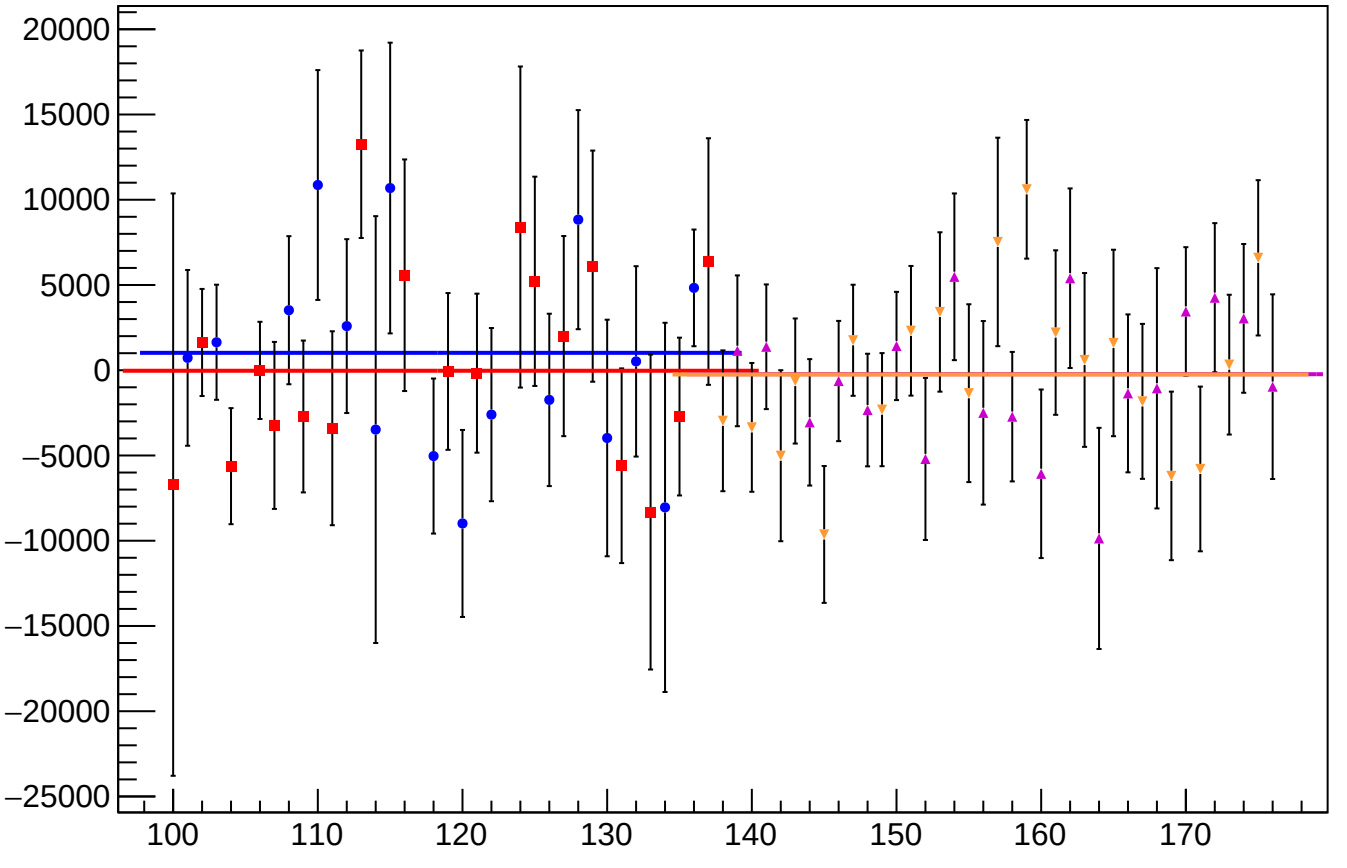
Left: 1144.880+/-0.145 χ^2/NDF: 214293.0/38

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1152.499+/-0.172 χ^2/NDF:717223.0/34

Out: 1147.785+/-0.170 χ^2/NDF:627367.6/38

All: 1150.115+/-0.121 χ^2/NDF: 1344970.0/73



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.631 χ^2/NDF:23.7/19

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -233.256+/-982.174 χ^2/NDF:12.0/18

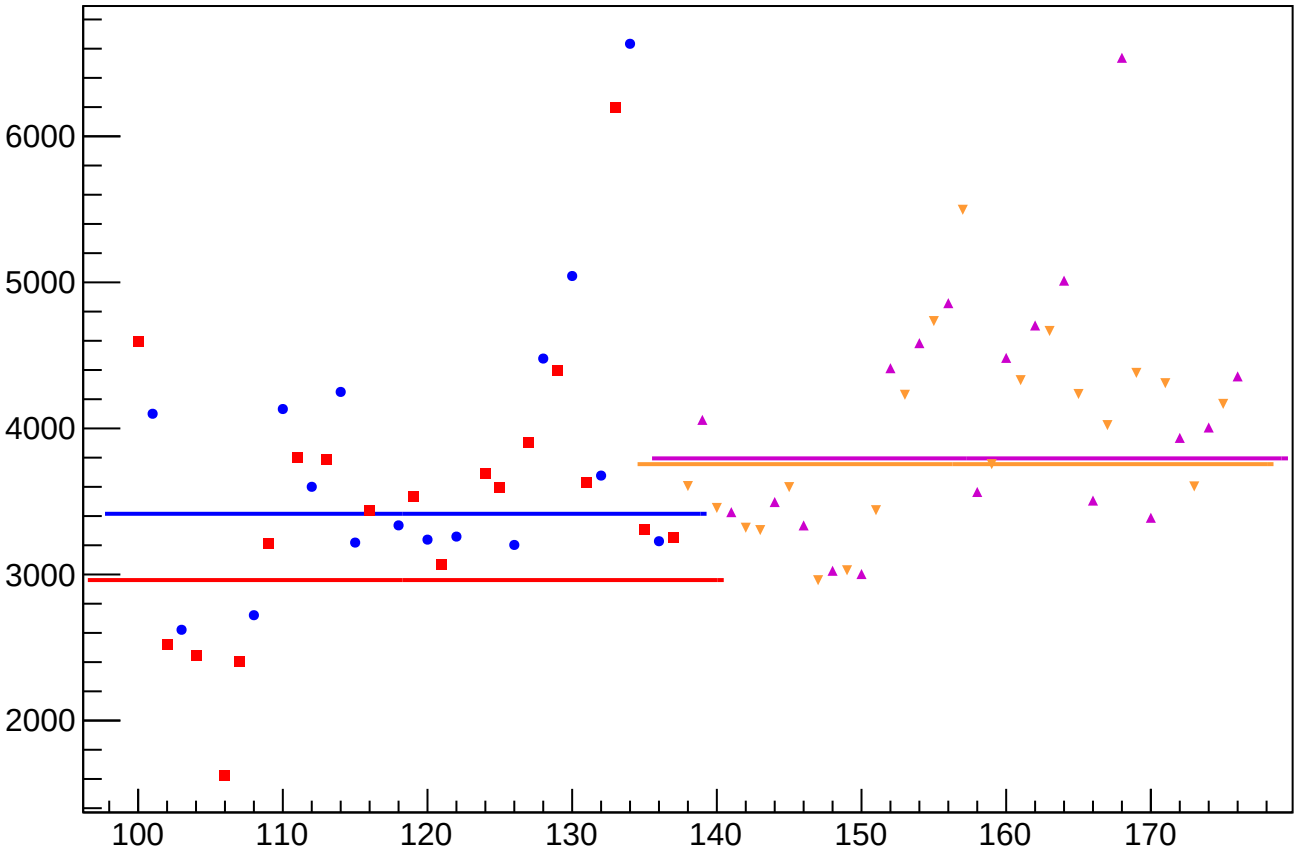
Left: -240.847+/-686.759 χ^2/NDF: 35.7/38

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 221.455+/-784.190 χ^2/NDF:26.5/34

Out: -156.735+/-732.102 χ^2/NDF:39.8/38

All: 19.384+/-535.142 χ^2/NDF: 66.5/73



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3755.430+/-0.679 χ^2/NDF:738089.0/19

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3794.916+/-0.695 χ^2/NDF:1009442.4/18

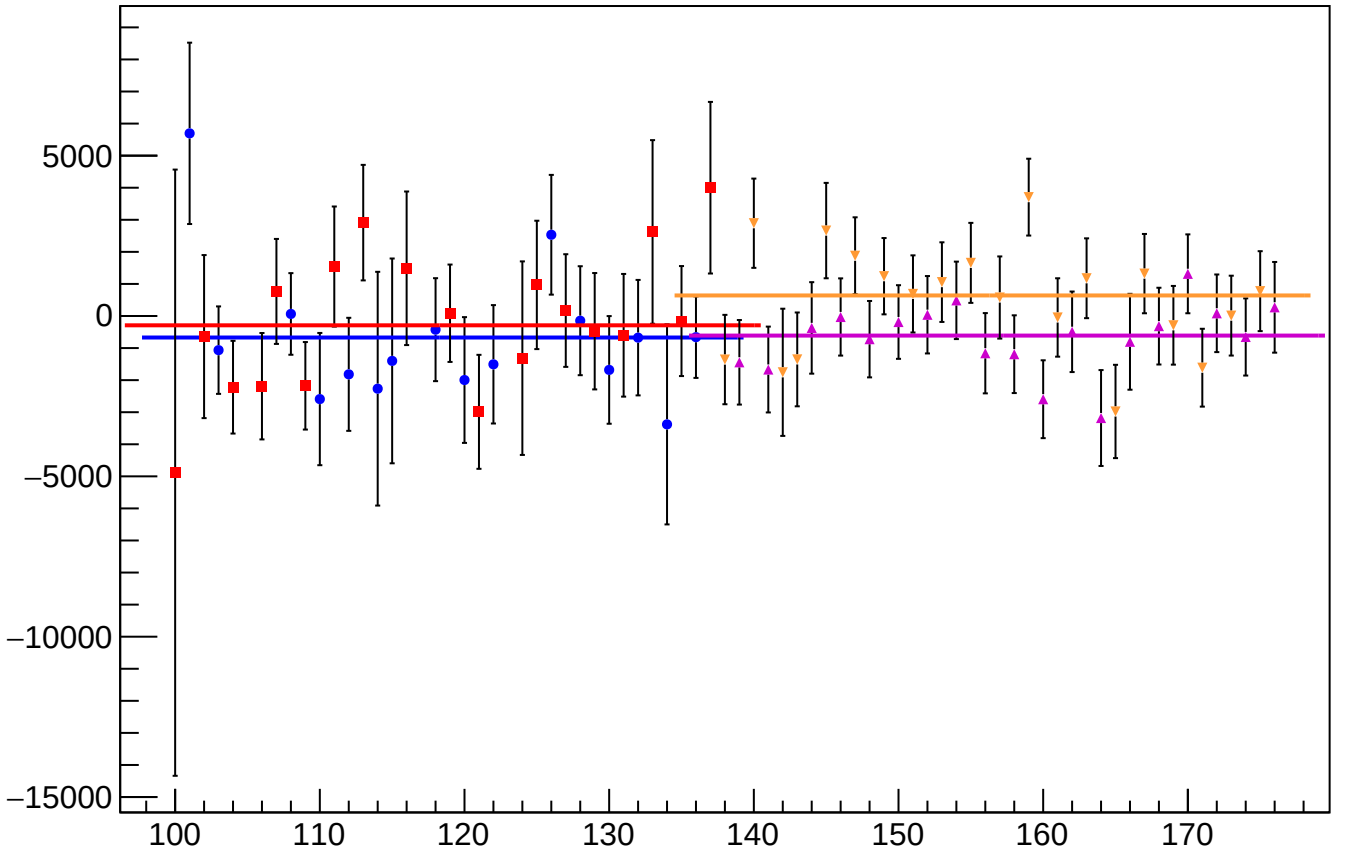
Left: 3774.735+/-0.486 χ^2/NDF: 1749183.6/38

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3657.404+/-0.555 χ^2/NDF:1709930.3/34

Out: 3422.743+/-0.518 χ^2/NDF:2479576.6/38

All: 3532.022+/-0.378 χ^2/NDF: 4285196.2/73



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 640.892+/-289.035 χ^2/NDF:29.8/19

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -610.679+/-289.762 χ^2/NDF:11.9/18

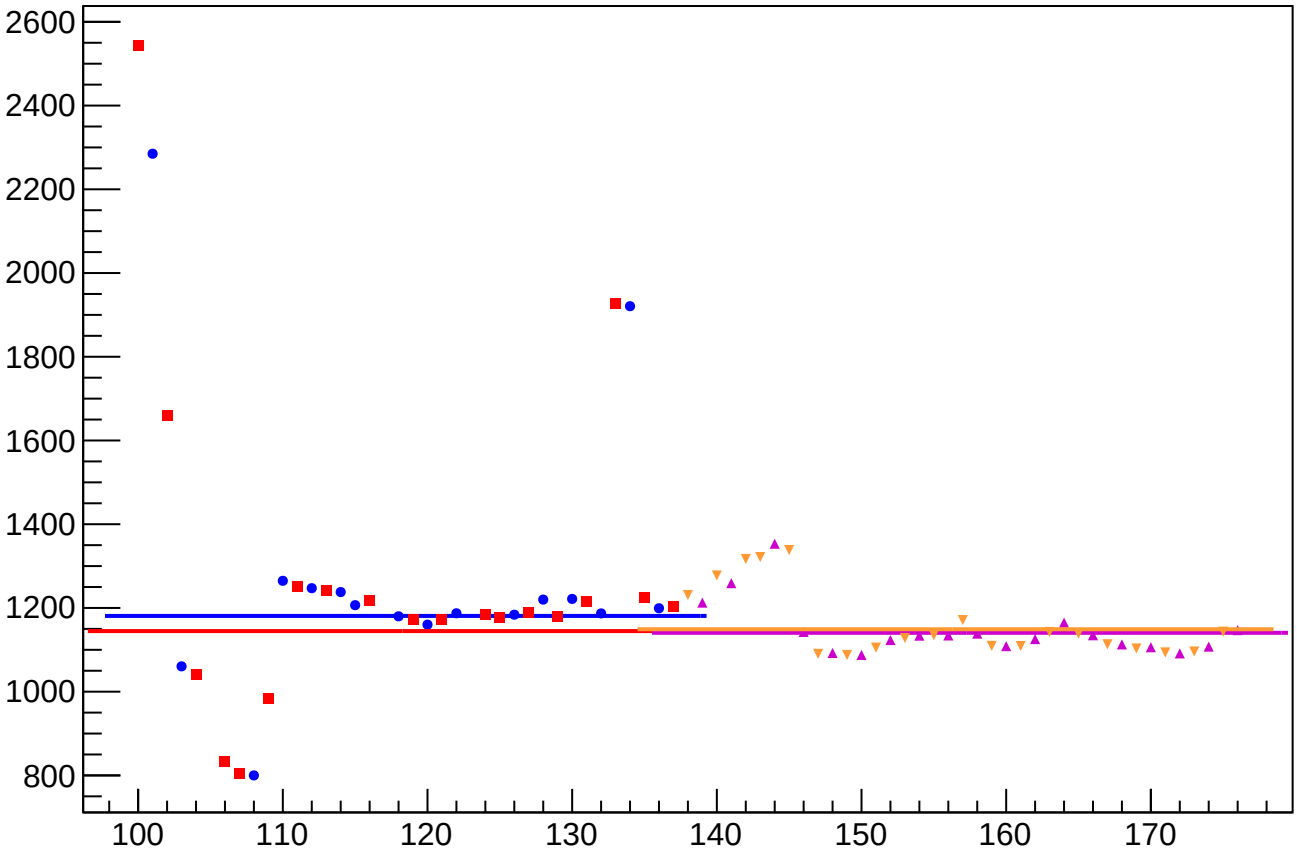
Left: 16.679+/-204.635 χ^2/NDF: 51.0/38

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -628.391+/-243.386 χ^2/NDF:23.7/34

Out: 355.163+/-240.640 χ^2/NDF:49.9/38

All: -131.036+/-171.121 χ^2/NDF: 81.9/73



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.119+/-0.204 χ^2/NDF:129498.5/19

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.622+/-0.205 χ^2/NDF:83932.2/18

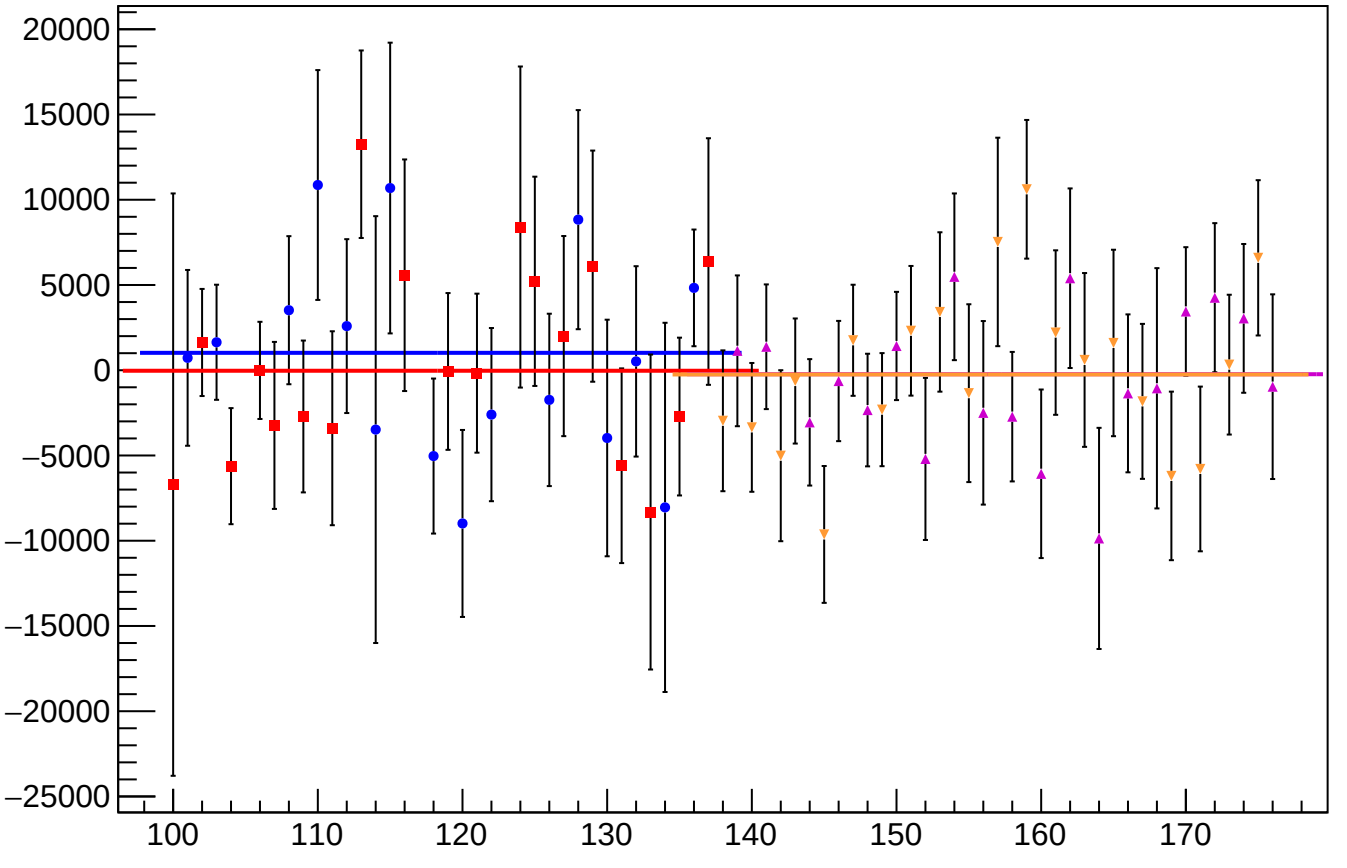
Left: 1144.881+/-0.145 χ^2/NDF: 214292.7/38

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1152.500+/-0.172 χ^2/NDF:717222.5/34

Out: 1147.786+/-0.170 χ^2/NDF:627367.3/38

All: 1150.116+/-0.121 χ^2/NDF: 1344969.2/73



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -248.108+/-960.632 χ^2/NDF:23.7/19

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -233.253+/-982.175 χ^2/NDF:12.0/18

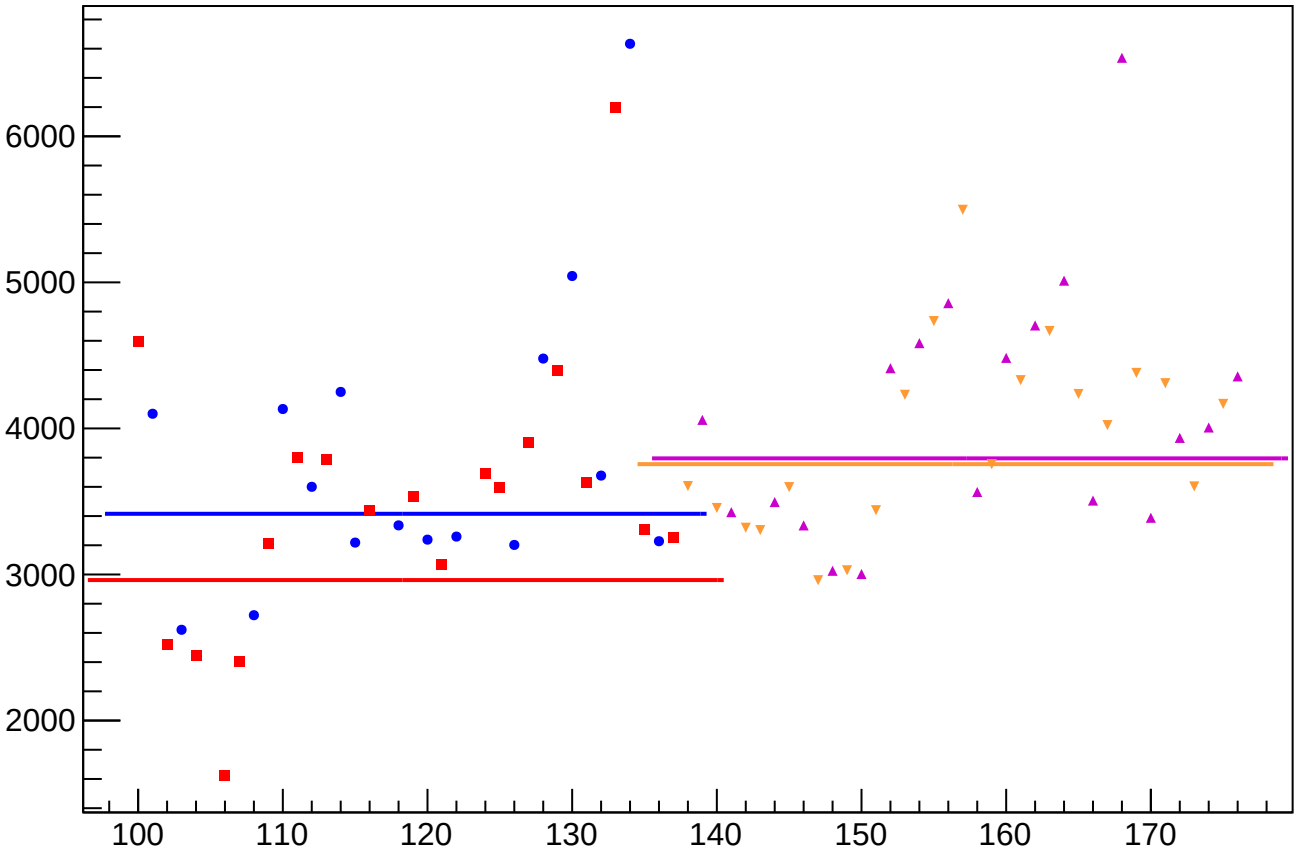
Left: -240.845+/-686.760 χ^2/NDF: 35.7/38

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 221.452+/-784.190 χ^2/NDF:26.5/34

Out: -156.737+/-732.102 χ^2/NDF:39.8/38

All: 19.381+/-535.142 χ^2/NDF: 66.5/73



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3755.435+/-0.679 χ^2/NDF:738088.1/19

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3794.921+/-0.695 χ^2/NDF:1009443.0/18

Left: 3774.740+/-0.486 χ^2/NDF: 1749183.2/38

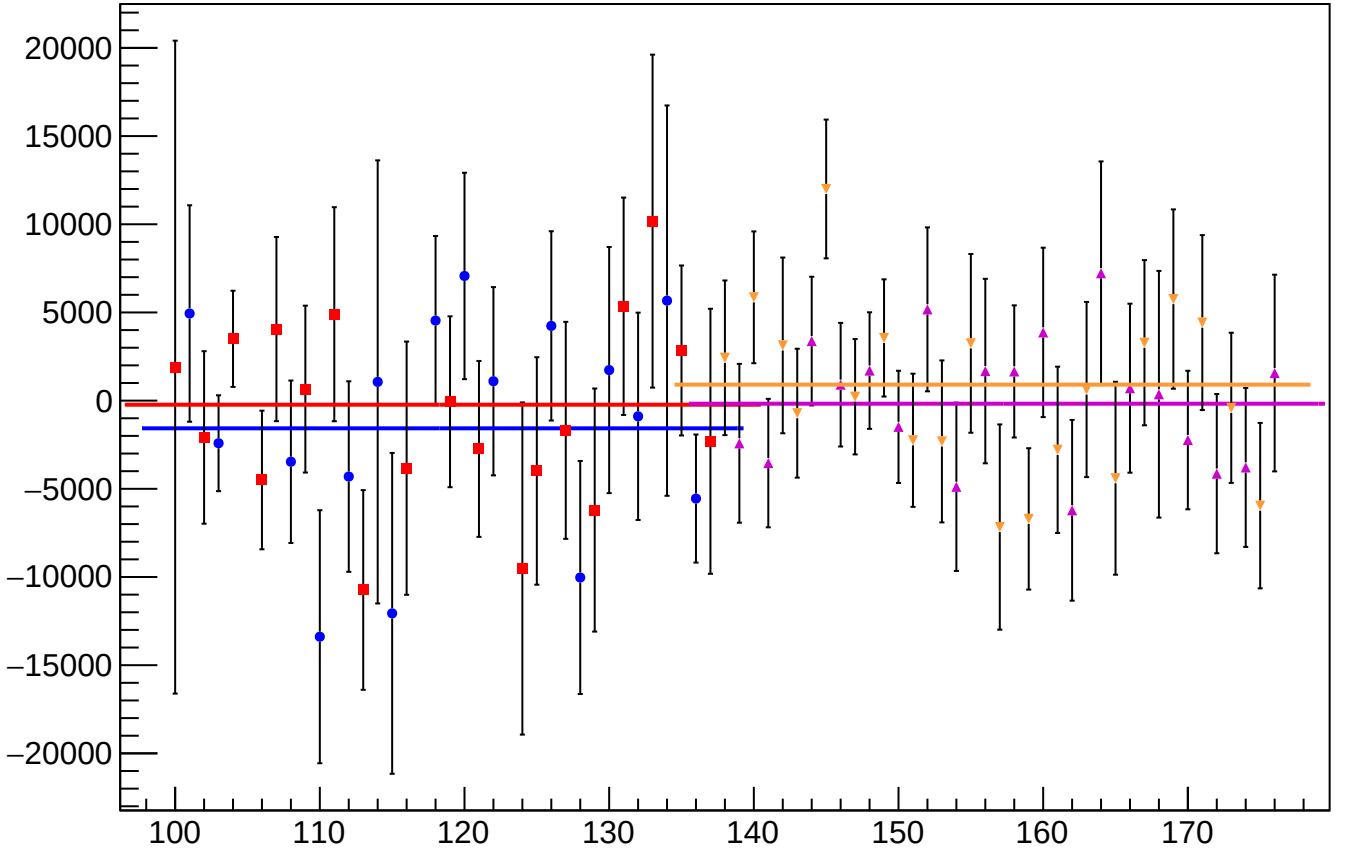
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3657.406+/-0.555 χ^2/NDF:1709930.7/34

Out: 3422.743+/-0.518 χ^2/NDF:2479590.5/38

All: 3532.023+/-0.378 χ^2/NDF: 4285211.7/73

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 906.194+/-962.122 χ^2/NDF:23.3/19

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -174.301+/-982.777 χ^2/NDF:10.6/18

Left: 377.420+/-687.509 χ^2/NDF: 34.5/38

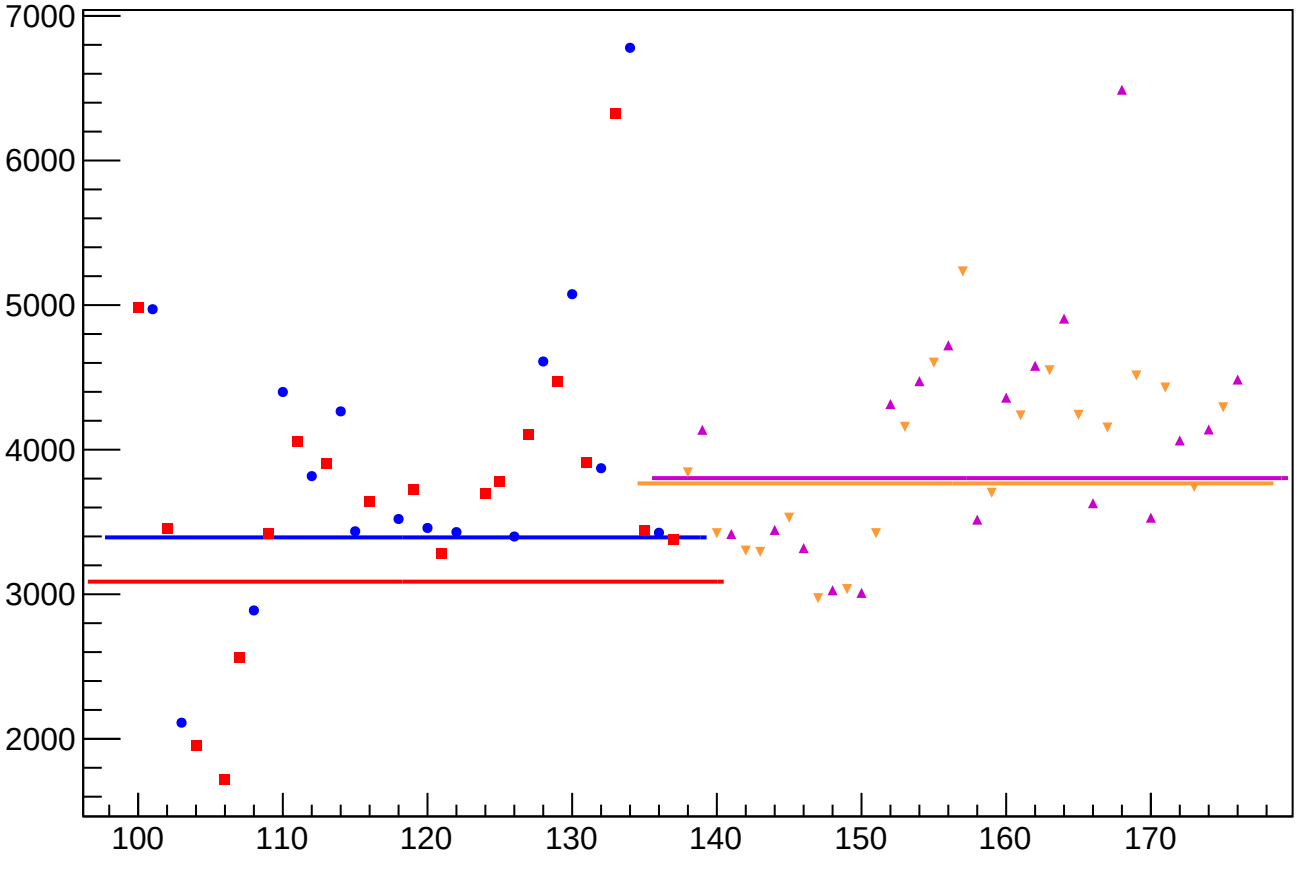
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -675.425+/-786.775 χ^2/NDF:25.8/34

Out: 471.987+/-756.487 χ^2/NDF:37.1/38

All: -79.208+/-545.310 χ^2/NDF: 64.0/73

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3766.950+/-0.680 χ^2/NDF:705824.4/19

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3803.374+/-0.695 χ^2/NDF:951335.5/18

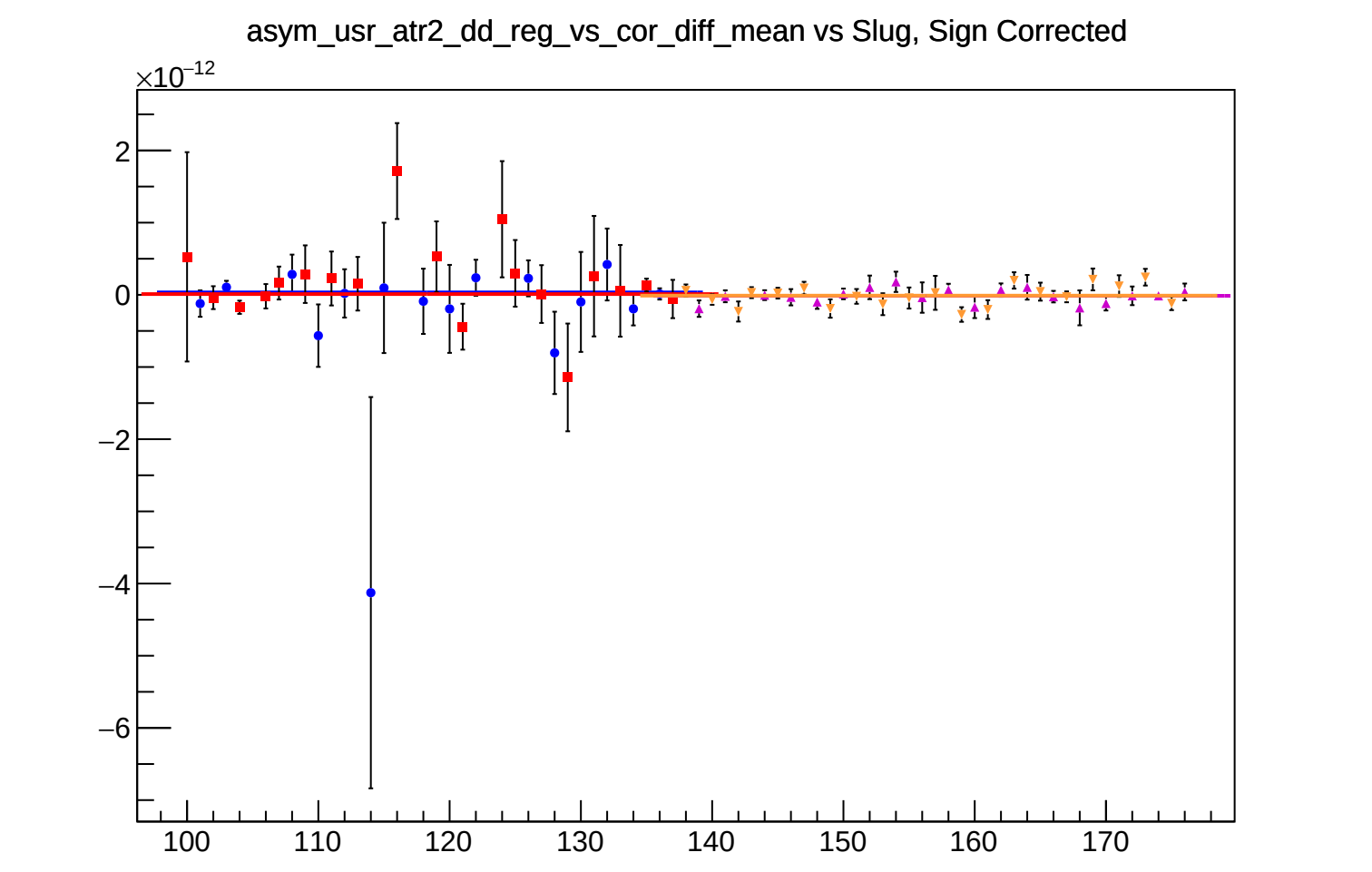
Left: 3784.775+/-0.486 χ^2/NDF: 1658562.7/38

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3656.140+/-0.556 χ^2/NDF:2125046.0/34

Out: 3502.035+/-0.531 χ^2/NDF:2423188.0/38

All: 3575.563+/-0.384 χ^2/NDF: 4588353.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

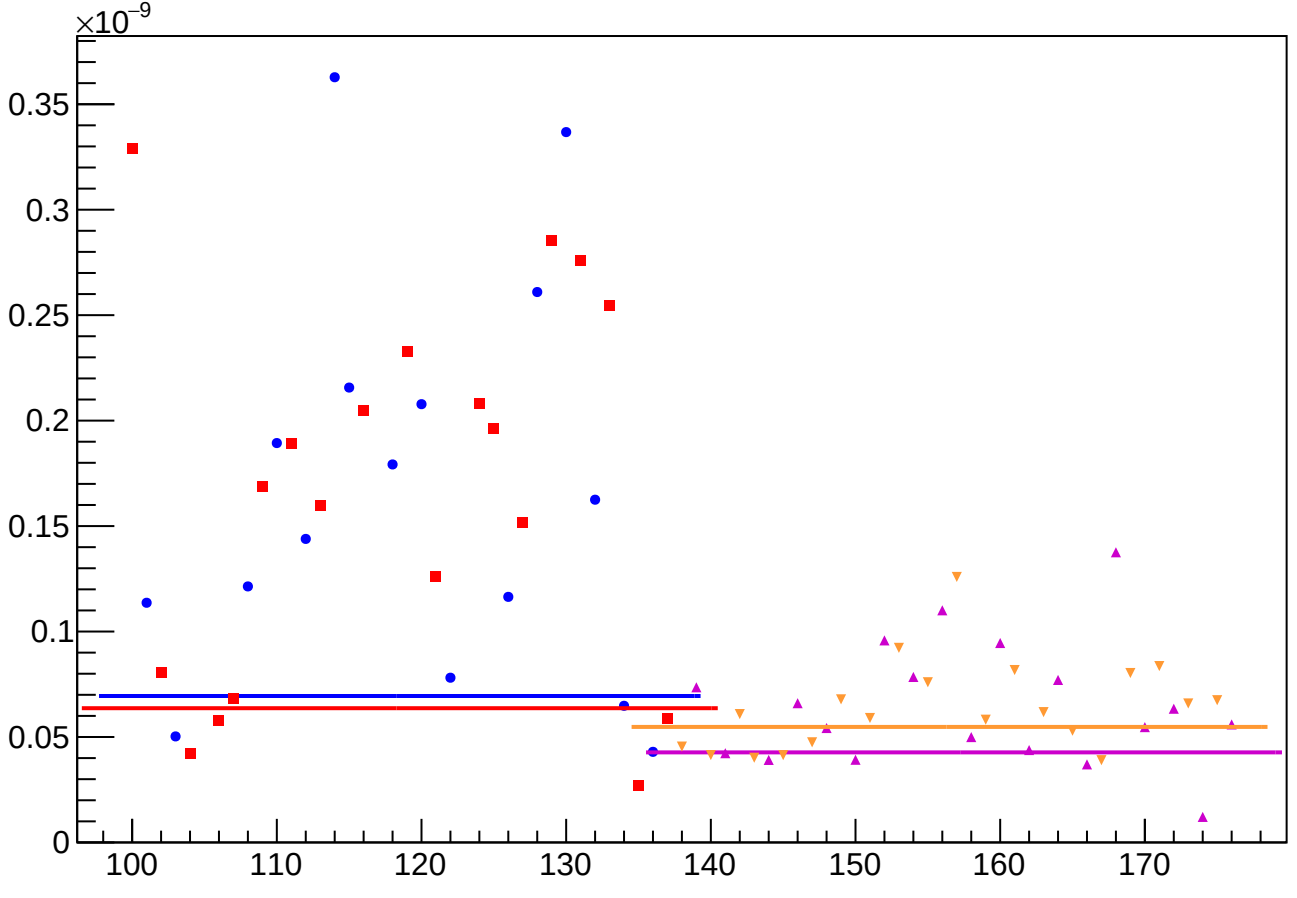
Left: -0.000+/-0.000 χ^2/NDF: 41.0/38

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.5/34

Out: -0.000+/-0.000 χ^2/NDF:52.2/38

All: -0.000+/-0.000 χ^2/NDF: 75.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:989393.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2674966.2/18

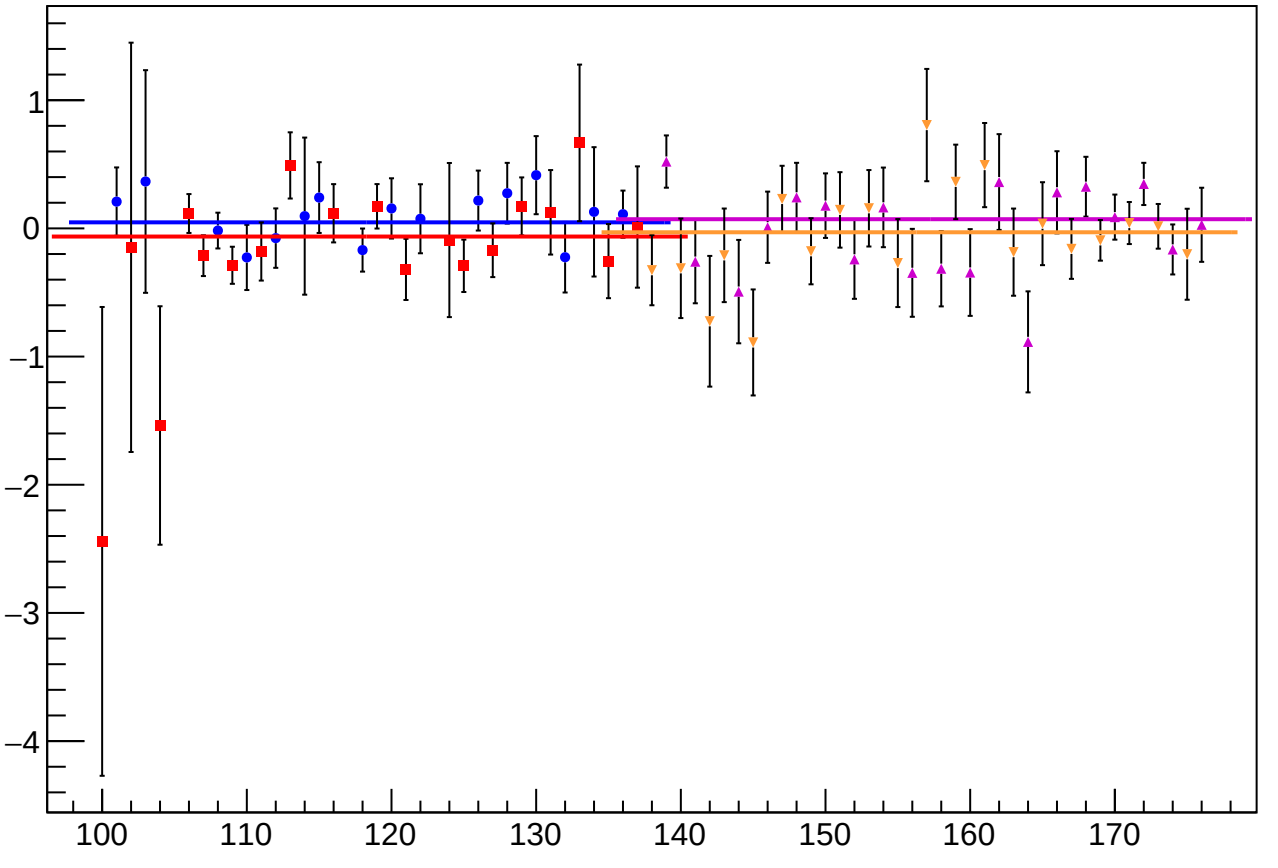
Left: 0.000+/-0.000 χ^2/NDF: 3963292.3/38

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4907815.2/34

Out: 0.000+/-0.000 χ^2/NDF:3292504.6/38

All: 0.000+/-0.000 χ^2/NDF: 8421451.9/73



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

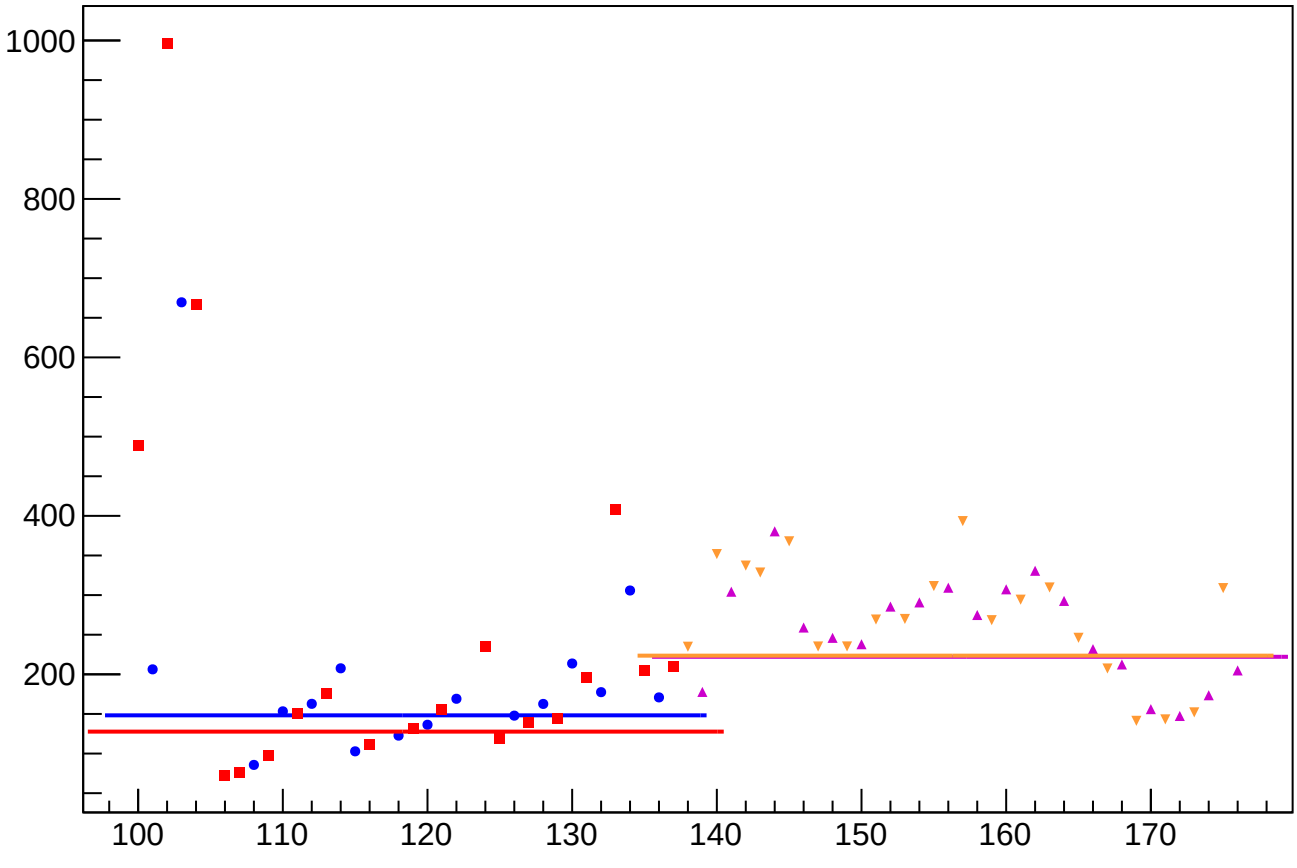
Left: 0.021+/-0.042 χ^2/NDF: 48.1/38

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/73



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

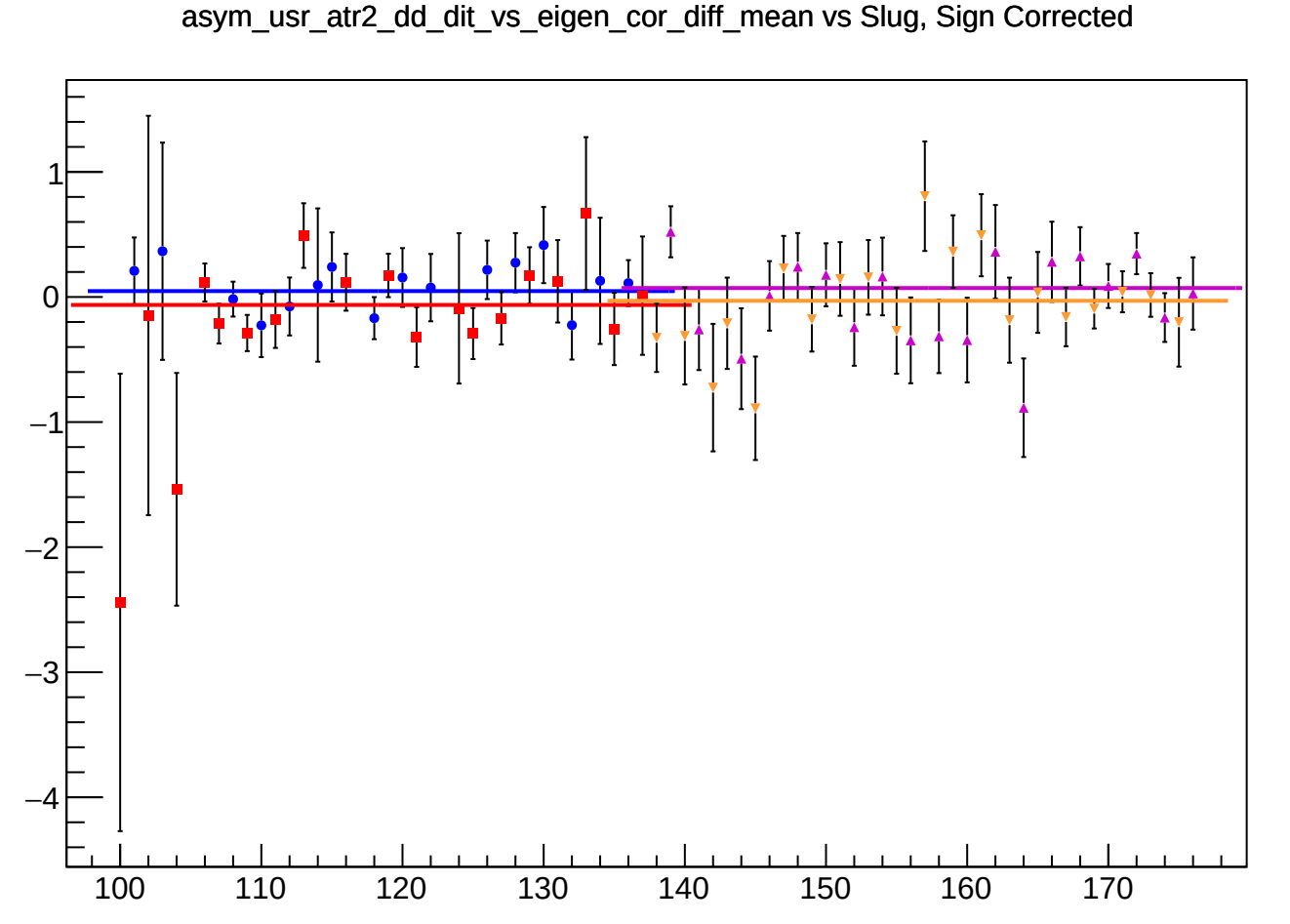
Left: 222.841+/-0.030 χ^2/NDF: 5180535.5/38

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.414+/-0.030 χ^2/NDF:5389394.2/34

Out: 171.283+/-0.029 χ^2/NDF:8664251.5/38

All: 178.016+/-0.021 χ^2/NDF: 14170422.8/73



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

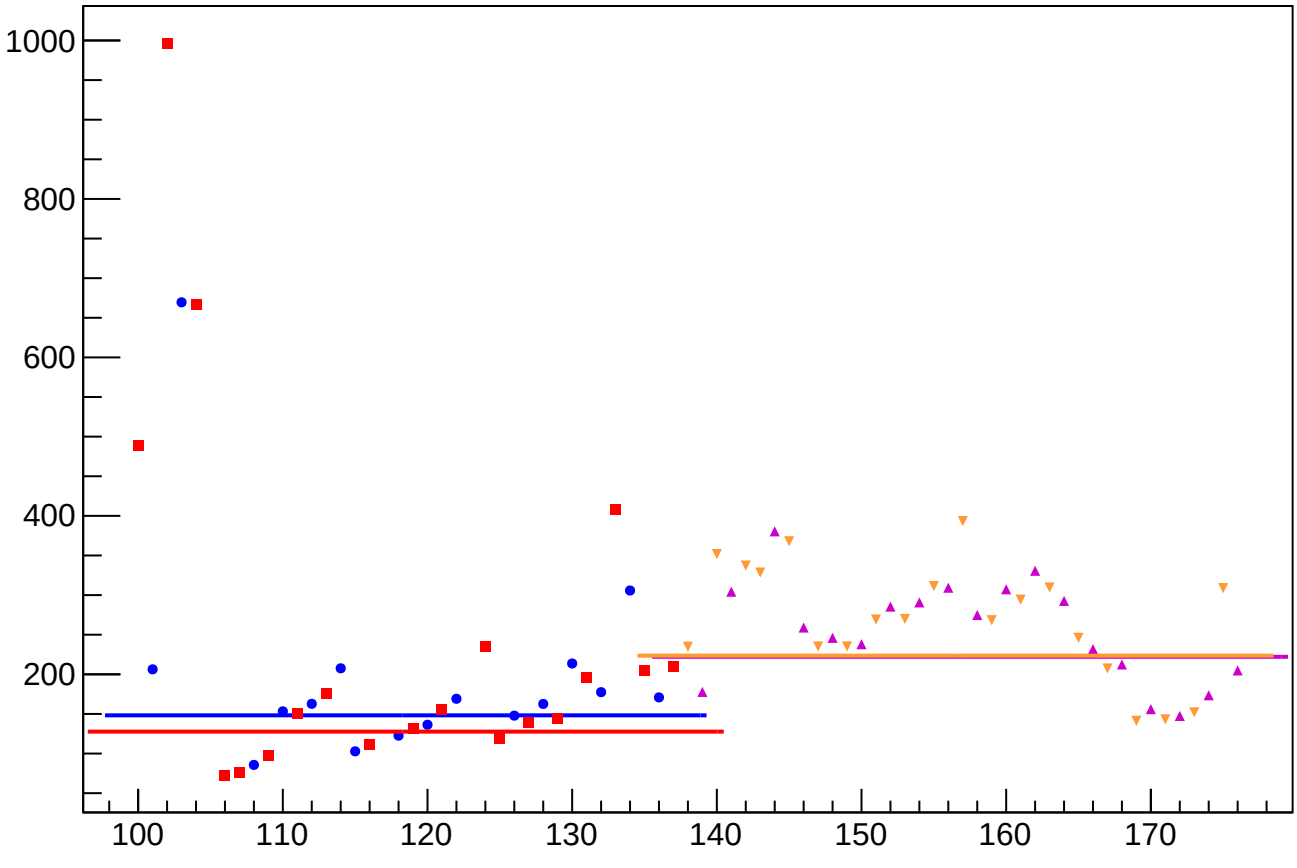
Left: 0.021+/-0.042 χ^2/NDF: 48.1/38

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/73



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 223.566+/-0.042 χ^2/NDF:3024897.8/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

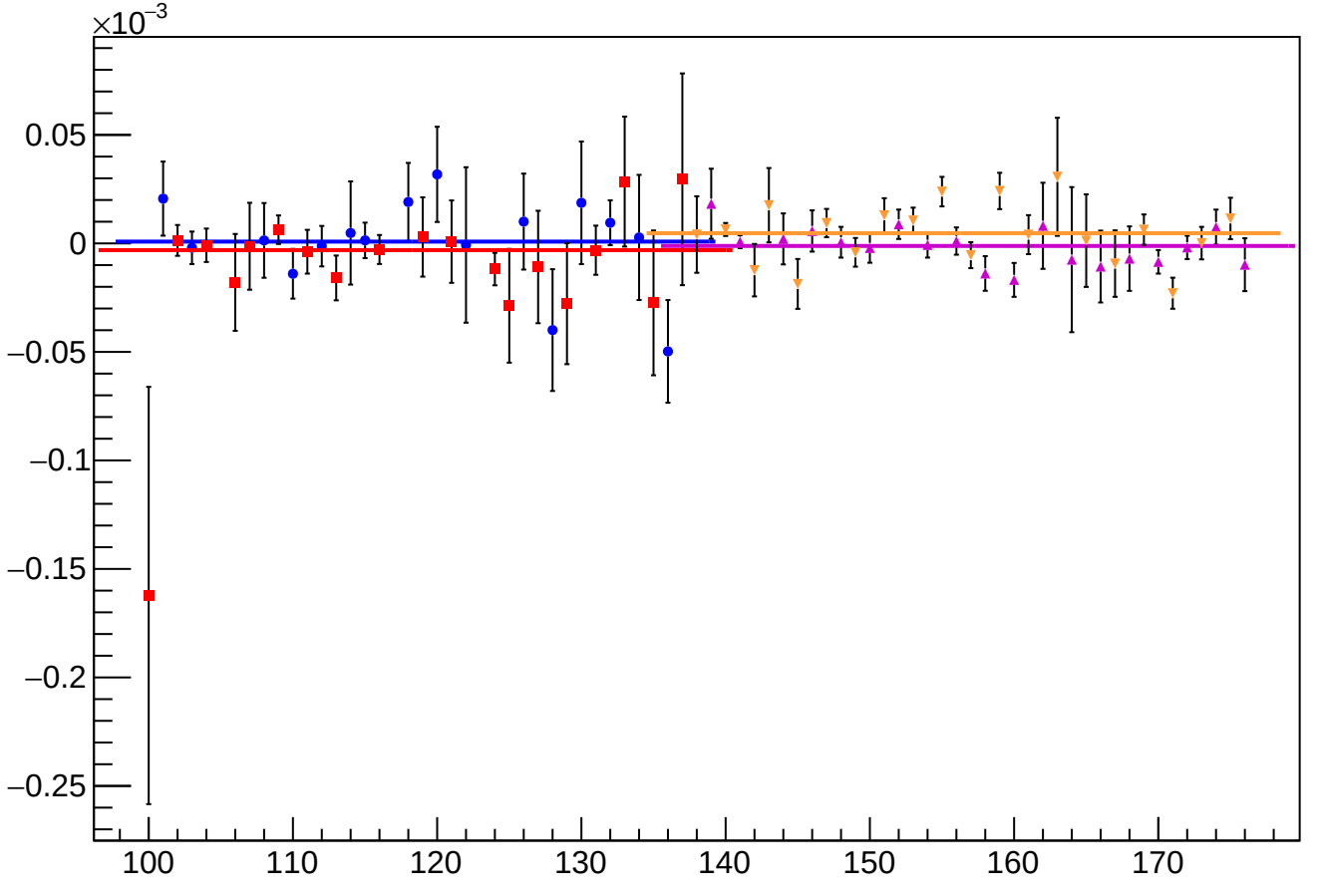
Left: 222.841+/-0.030 χ^2/NDF: 5180535.5/38

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.414+/-0.030 χ^2/NDF:5389394.2/34

Out: 171.283+/-0.029 χ^2/NDF:8664251.5/38

All: 178.016+/-0.021 χ^2/NDF: 14170422.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/18

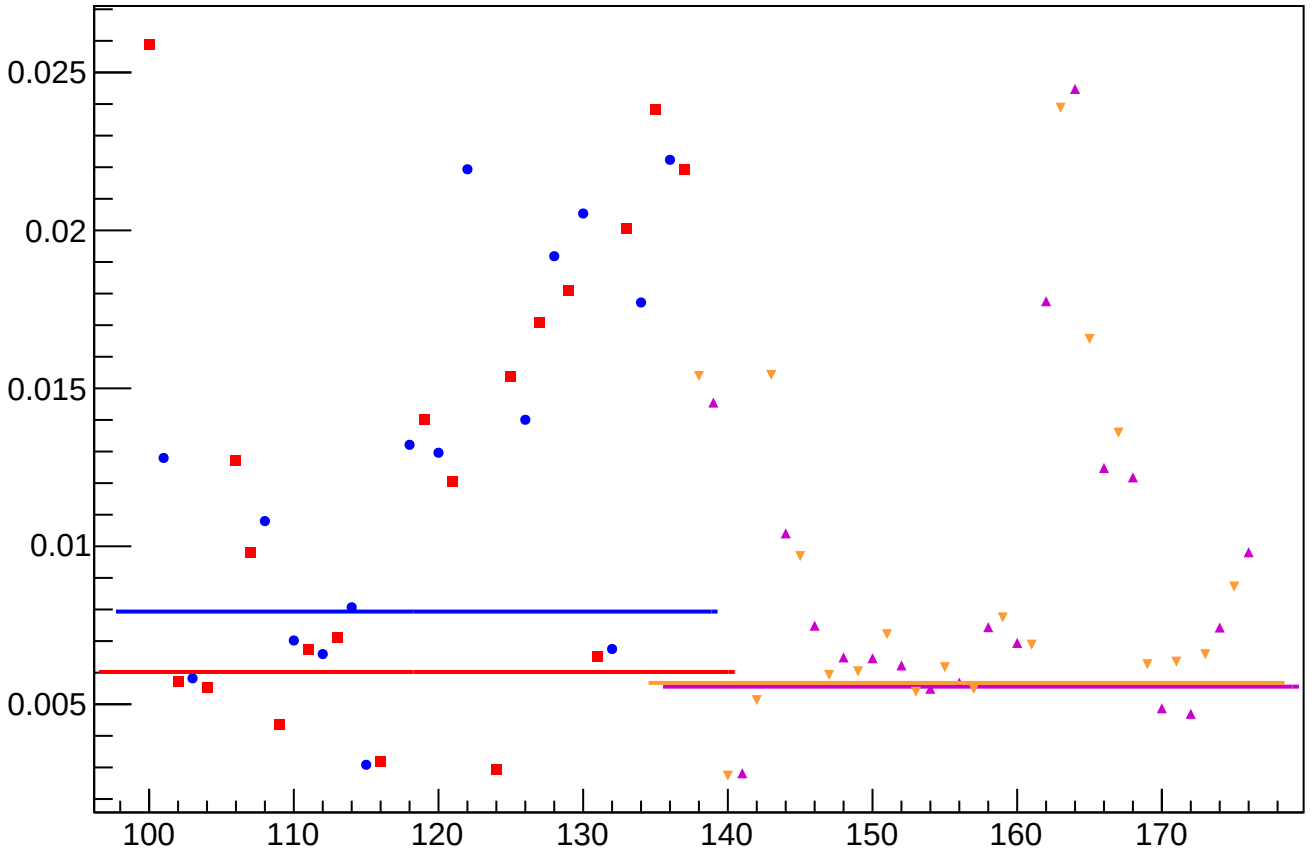
Left: 0.000+/-0.000 χ^2/NDF: 67.4/38

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:64.2/38

All: 0.000+/-0.000 χ^2/NDF: 97.2/73



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5915914.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:5554096.0/18

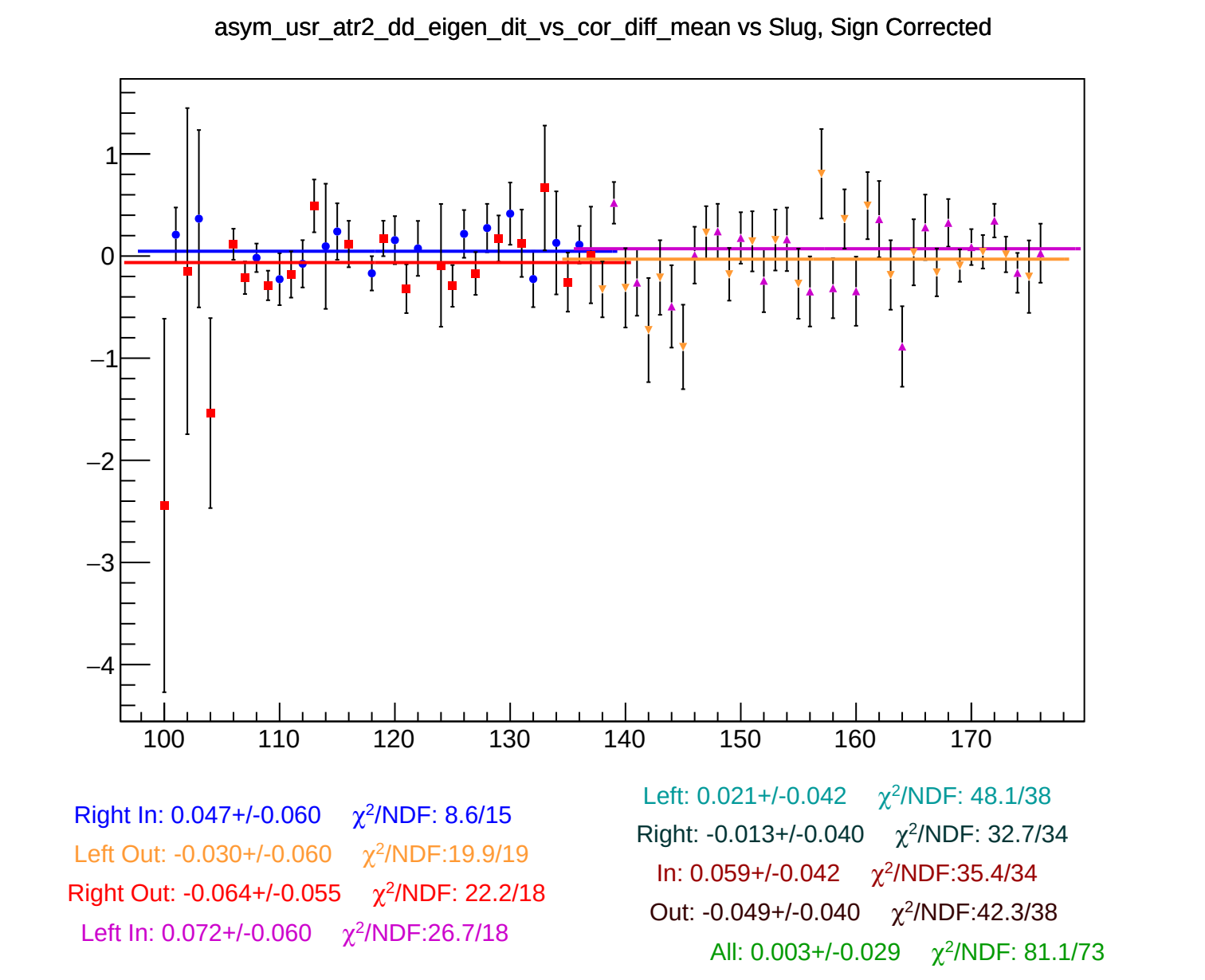
Left: 0.006+/-0.000 χ^2/NDF: 11475343.3/38

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

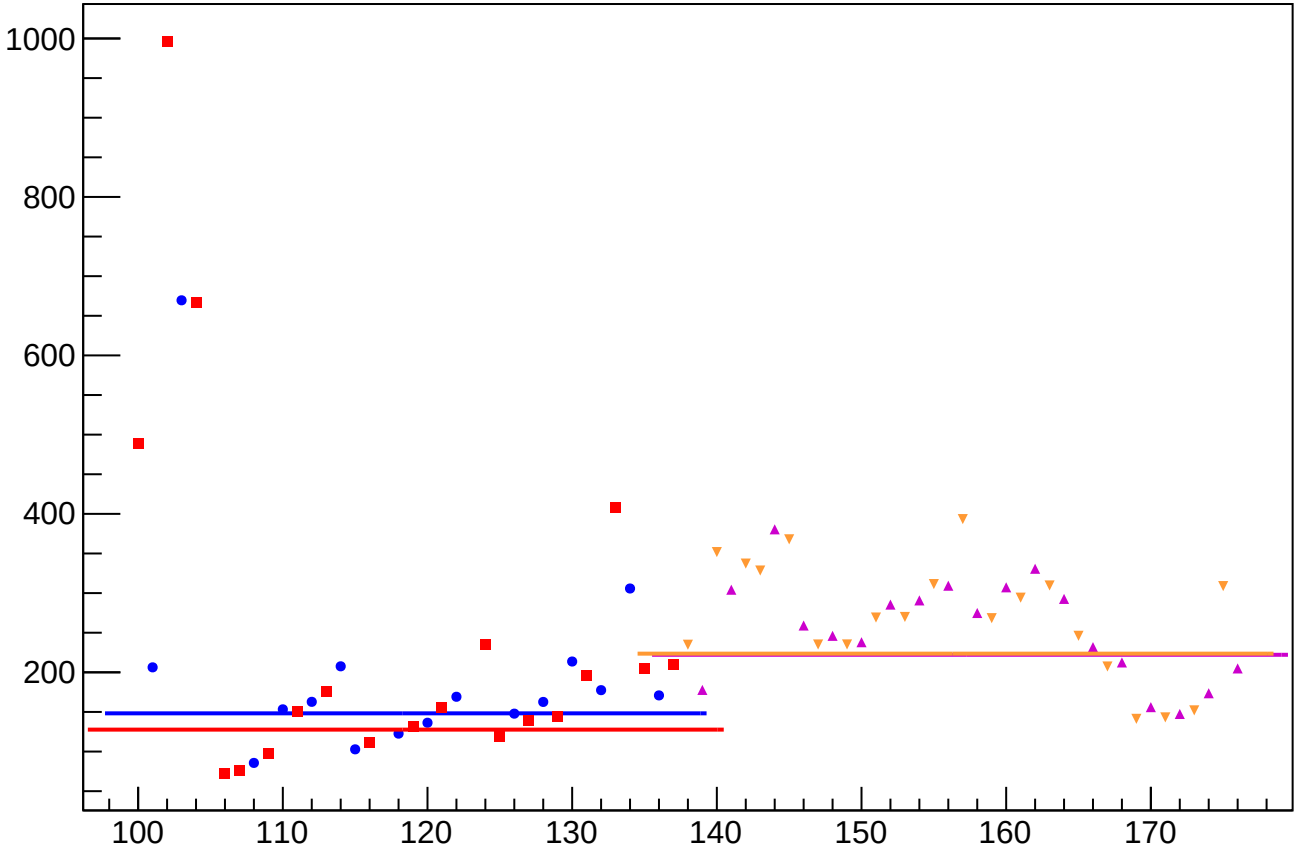
In: 0.006+/-0.000 χ^2/NDF:9906569.9/34

Out: 0.006+/-0.000 χ^2/NDF:9950405.3/38

All: 0.006+/-0.000 χ^2/NDF: 19878574.7/73


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: -0.030+/-0.060 χ²/NDF:19.9/19
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.072+/-0.060 χ²/NDF:26.7/18
Left: 0.021+/-0.042 χ²/NDF: 48.1/38
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.059+/-0.042 χ²/NDF:35.4/34
Out: -0.049+/-0.040 χ²/NDF:42.3/38
All: 0.003+/-0.029 χ²/NDF: 81.1/73

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: 223.567+/-0.042 χ^2/NDF:3025025.2/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

Left: 222.842+/-0.030 χ^2/NDF: 5180706.1/38

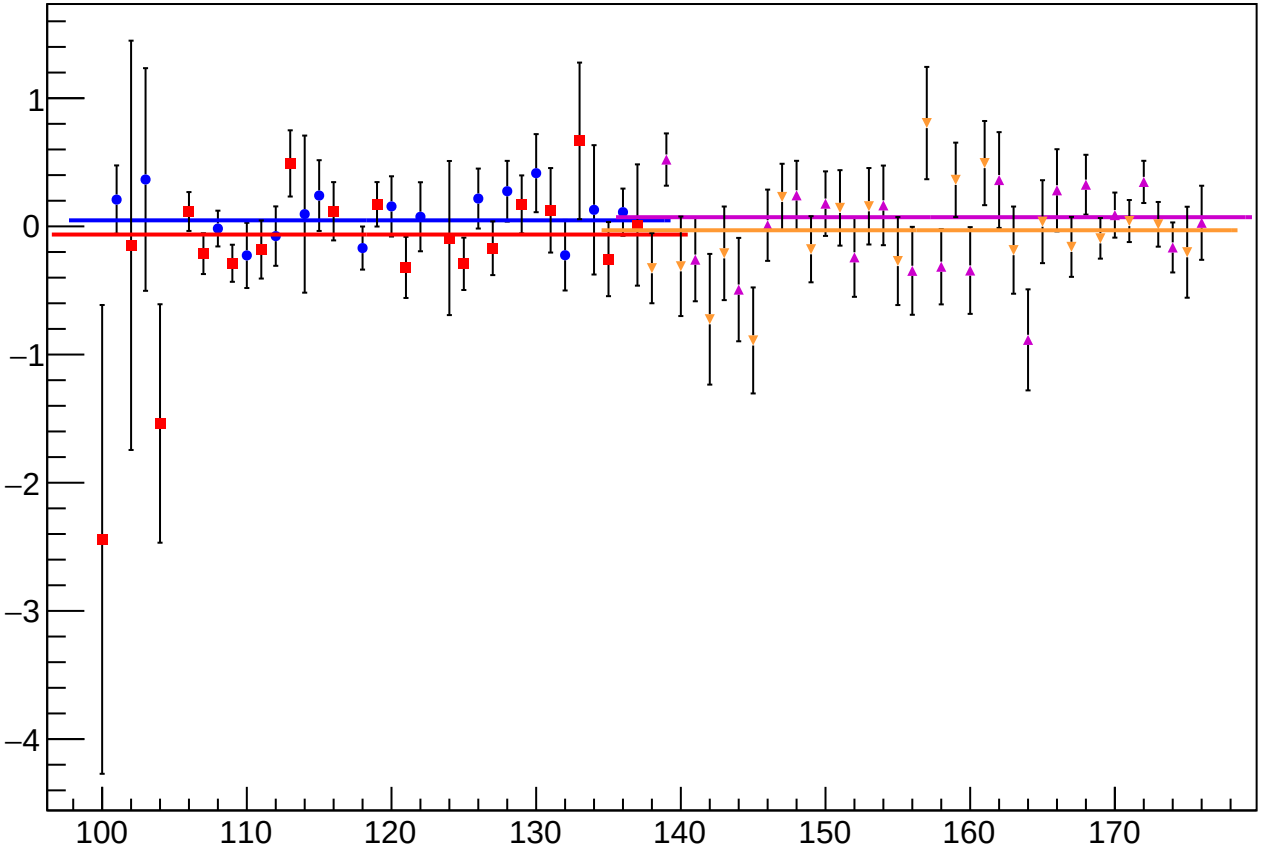
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.413+/-0.030 χ^2/NDF:5389690.0/34

Out: 171.283+/-0.029 χ^2/NDF:8664396.4/38

All: 178.016+/-0.021 χ^2/NDF: 14170841.3/73

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: -0.030+/-0.060 χ^2/NDF:19.9/19

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

Left: 0.021+/-0.042 χ^2/NDF: 48.1/38

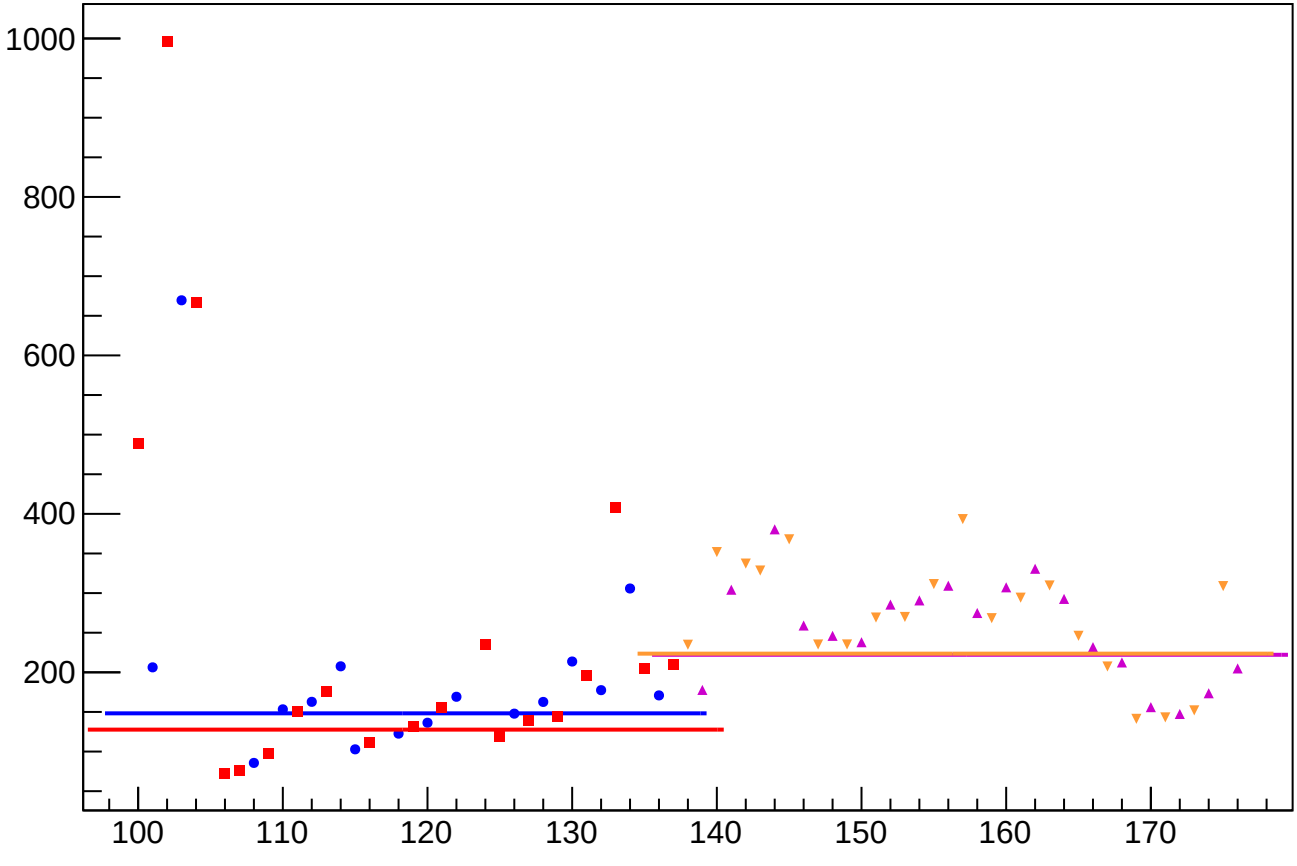
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.049+/-0.040 χ^2/NDF:42.3/38

All: 0.003+/-0.029 χ^2/NDF: 81.1/73

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: 223.567+/-0.042 χ^2/NDF:3025025.2/19

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

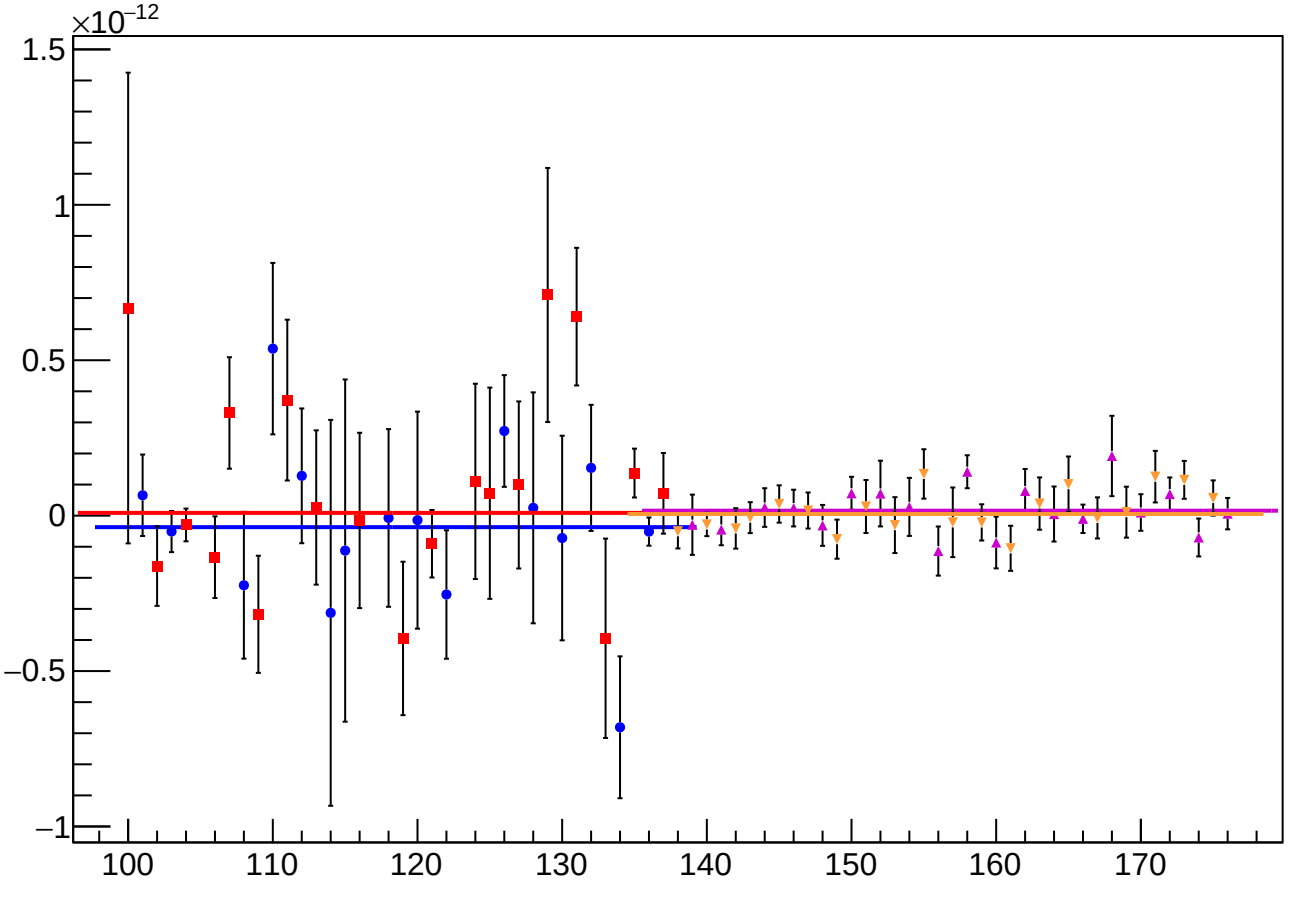
Left: 222.842+/-0.030 χ^2/NDF: 5180706.1/38

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.413+/-0.030 χ^2/NDF:5389690.0/34

Out: 171.283+/-0.029 χ^2/NDF:8664396.4/38

All: 178.016+/-0.021 χ^2/NDF: 14170841.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/18

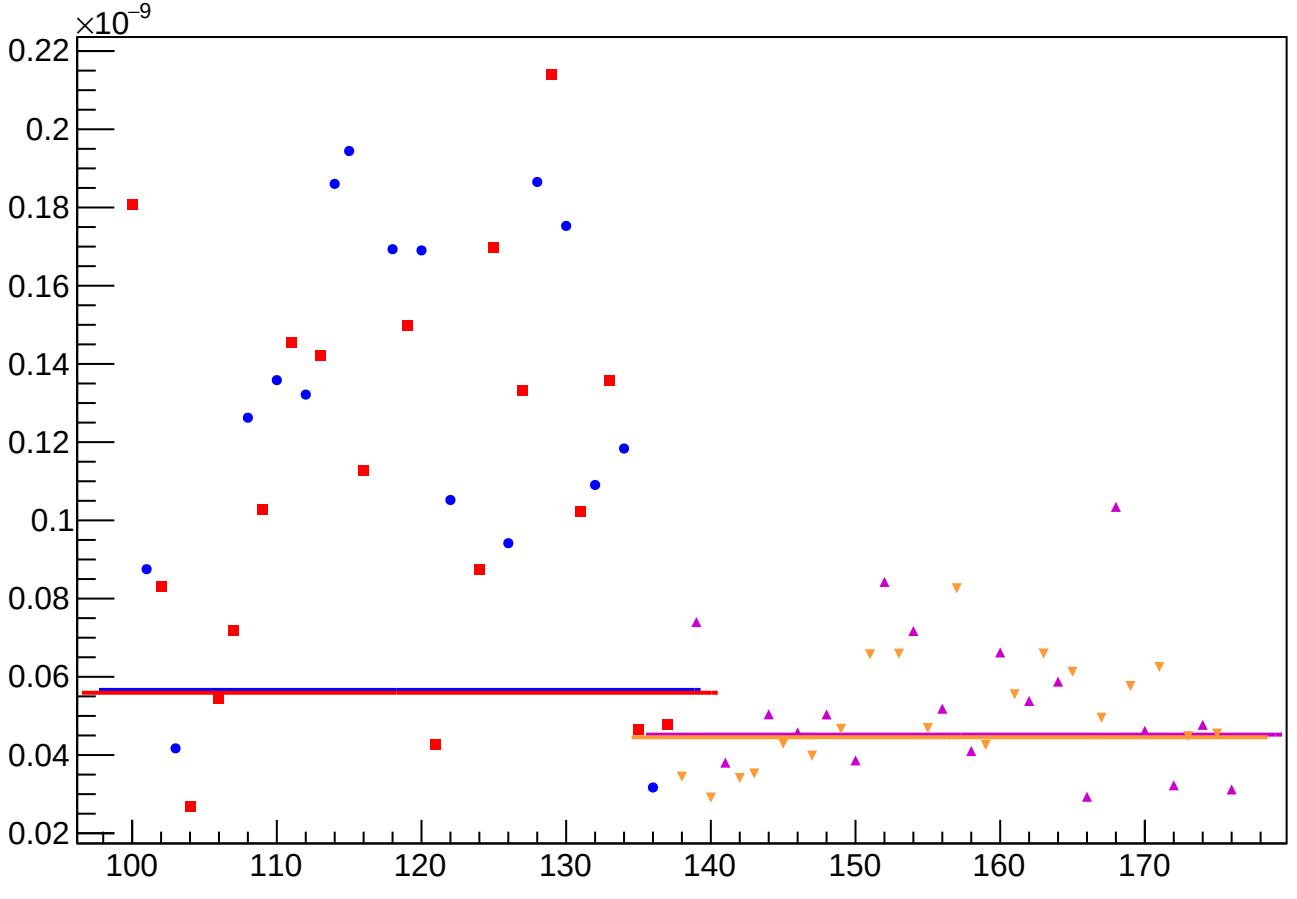
Left: 0.000+/-0.000 χ^2/NDF: 37.1/38

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/34

Out: 0.000+/-0.000 χ^2/NDF:49.1/38

All: 0.000+/-0.000 χ^2/NDF: 90.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1414585.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1862304.3/18

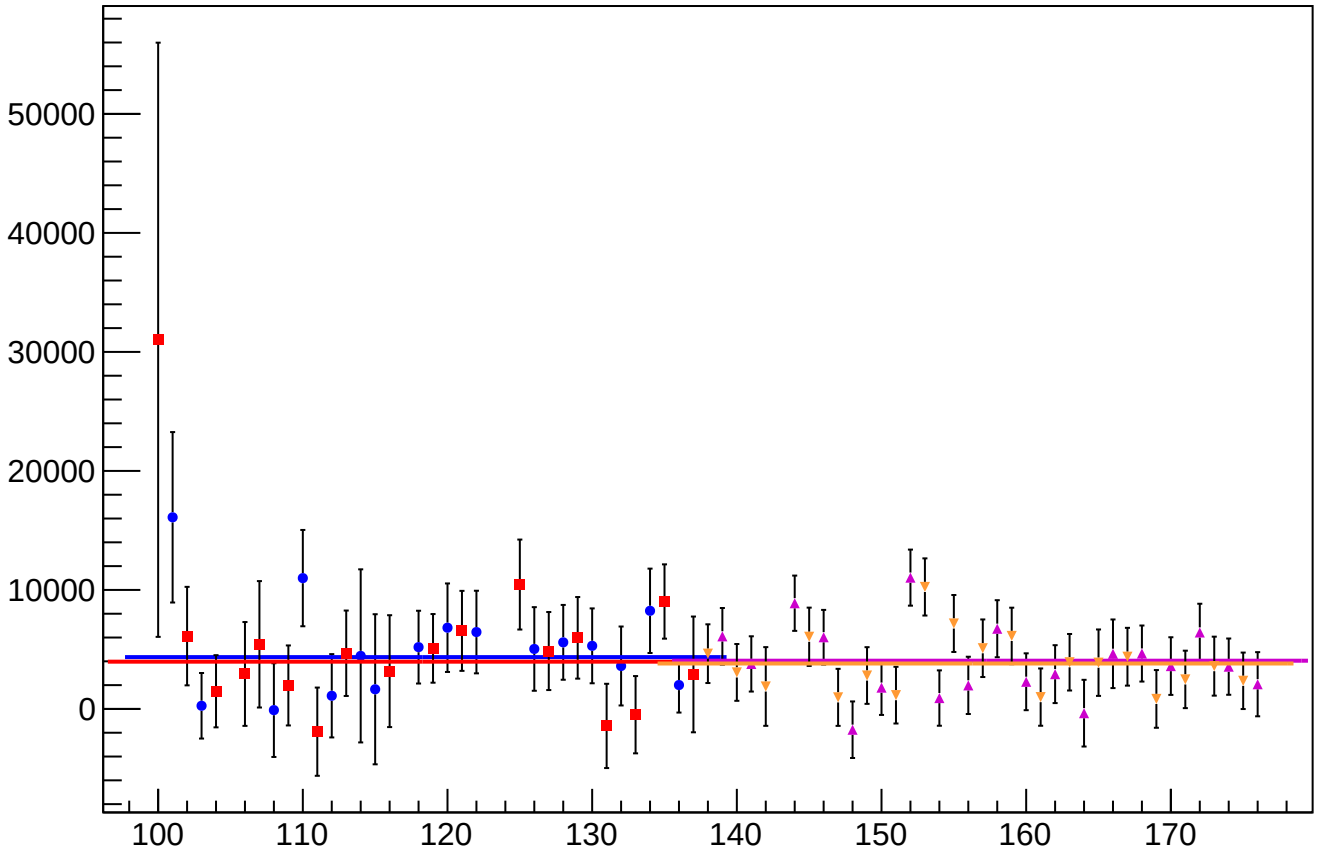
Left: 0.000+/-0.000 χ^2/NDF: 3279077.1/38

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:5184845.1/34

Out: 0.000+/-0.000 χ^2/NDF:4358188.3/38

All: 0.000+/-0.000 χ^2/NDF: 9546146.6/73



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.378+/-563.326 χ^2/NDF:18.2/18

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4052.283+/-554.991 χ^2/NDF:30.3/18

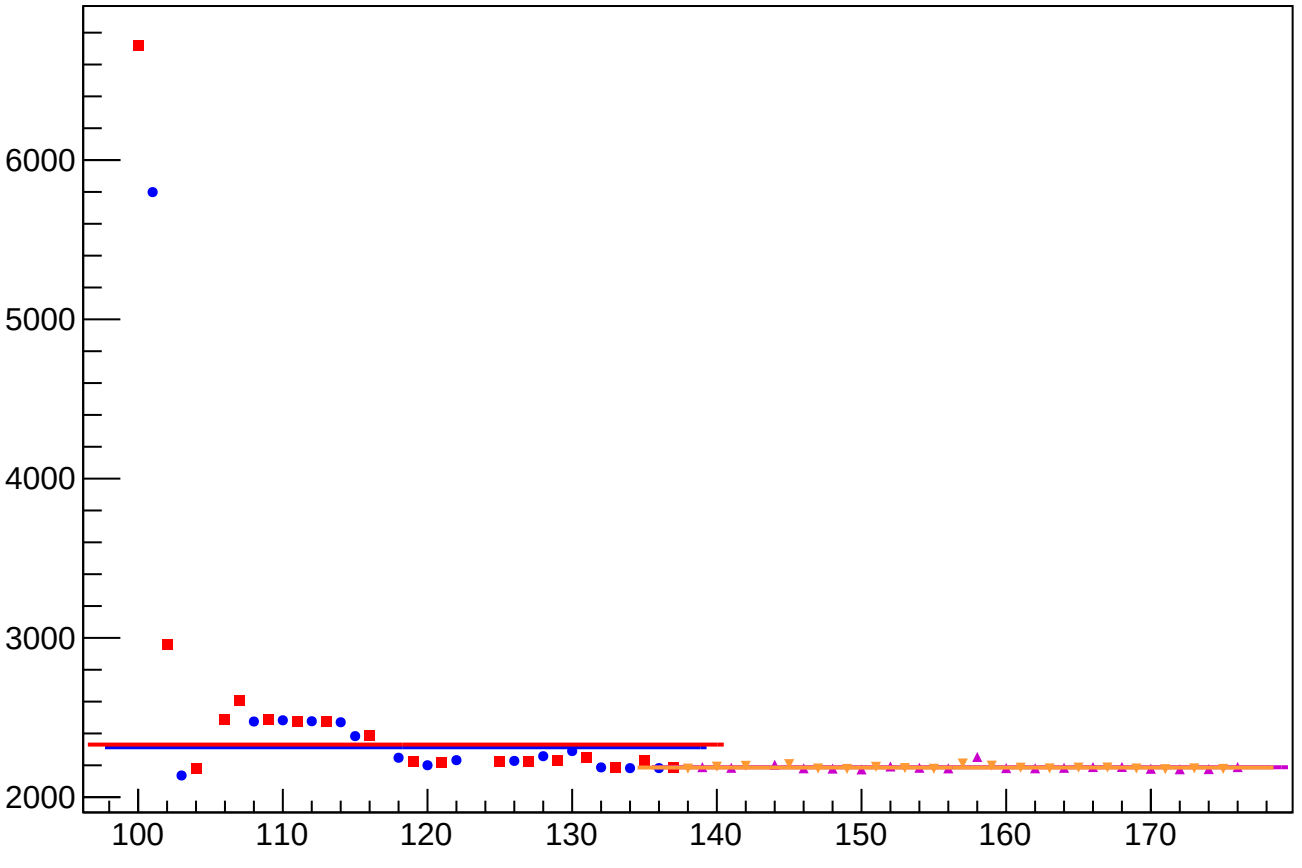
Left: 3936.581+/-395.352 χ^2/NDF: 48.6/37

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4138.921+/-468.691 χ^2/NDF:43.7/34

Out: 3862.863+/-473.065 χ^2/NDF:34.4/36

All: 4002.174+/-332.950 χ^2/NDF: 78.3/71



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

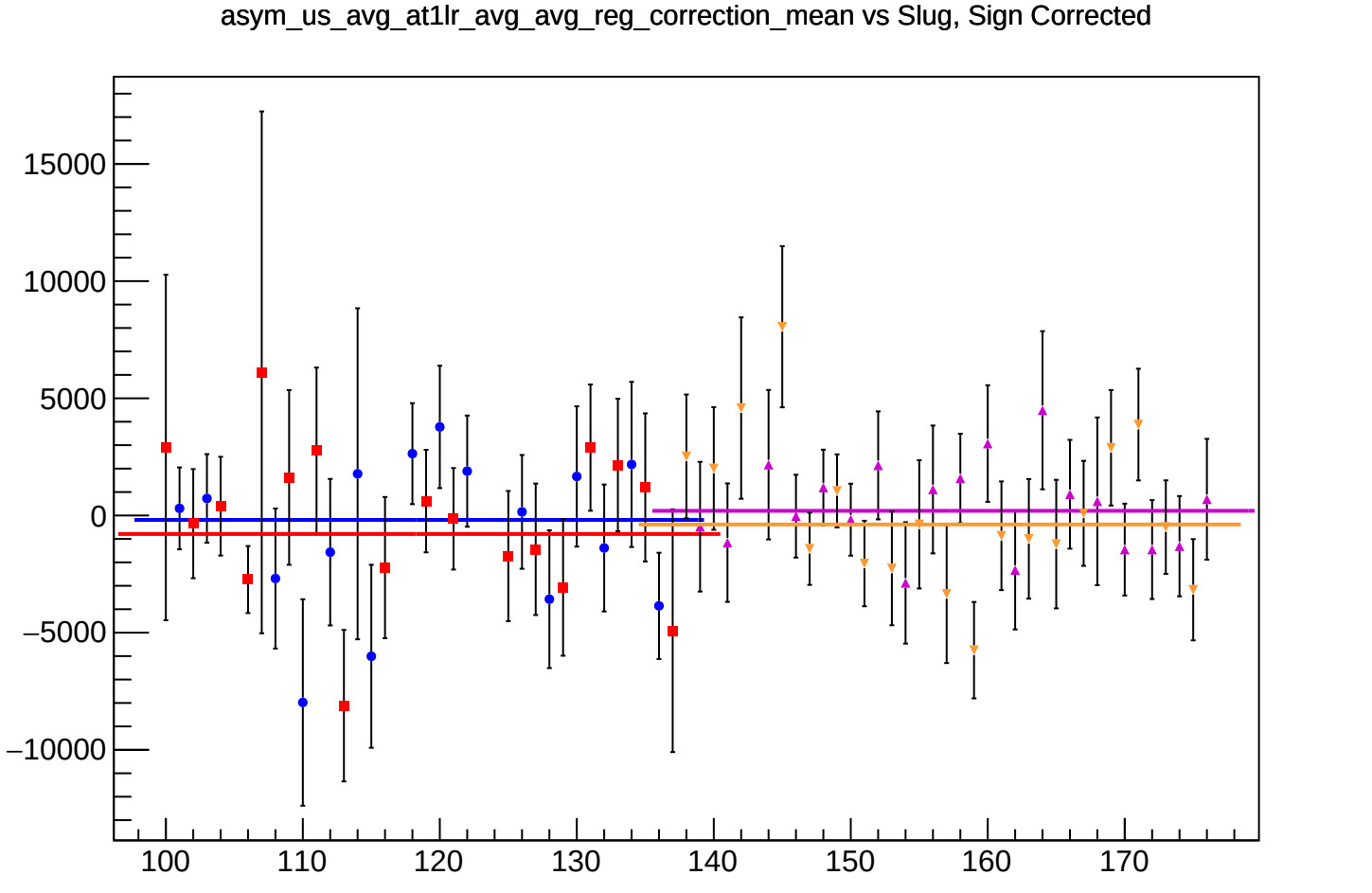
Left: 2186.998+/-0.280 χ^2/NDF: 2504.0/37

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

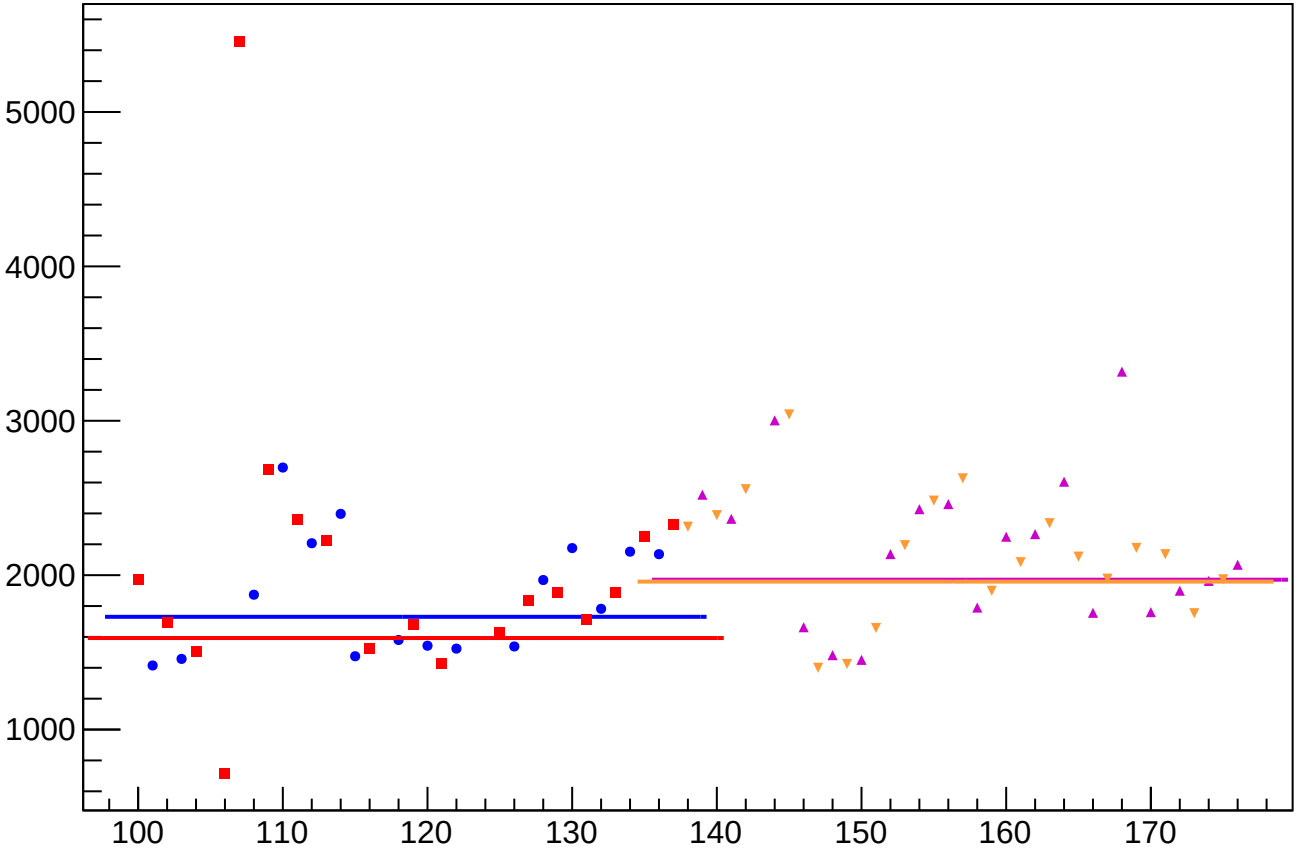
In: 2223.887+/-0.331 χ^2/NDF:543577.2/34

Out: 2228.569+/-0.335 χ^2/NDF:190431.3/36

All: 2226.206+/-0.235 χ^2/NDF: 734107.3/71


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: -383.422+/-519.448 χ²/NDF:27.1/18
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 198.928+/-514.337 χ²/NDF:9.8/18
Left: -89.368+/-365.485 χ²/NDF: 37.6/37
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 52.021+/-405.306 χ²/NDF:26.5/34
Out: -546.176+/-402.036 χ²/NDF:42.3/36
All: -249.501+/-285.431 χ²/NDF: 69.9/71

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1958.275+/-0.367 χ^2/NDF:1188864.2/18

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1970.593+/-0.364 χ^2/NDF:1415514.9/18

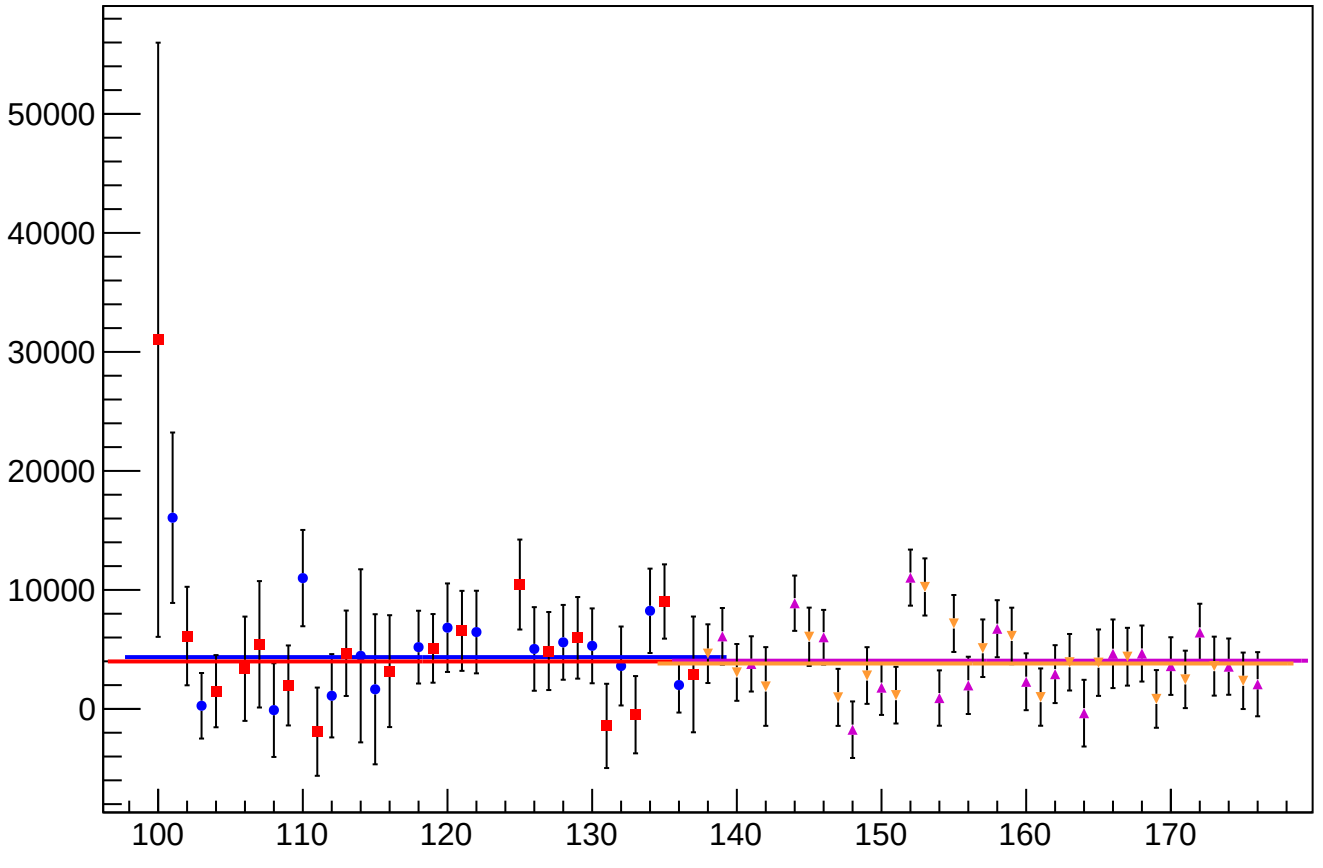
Left: 1964.495+/-0.258 χ^2/NDF: 2604947.1/37

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1879.510+/-0.287 χ^2/NDF:2059923.5/34

Out: 1811.738+/-0.284 χ^2/NDF:3142004.9/36

All: 1845.349+/-0.202 χ^2/NDF: 5230115.3/71



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4052.383+/-554.991 χ^2/NDF:30.3/18

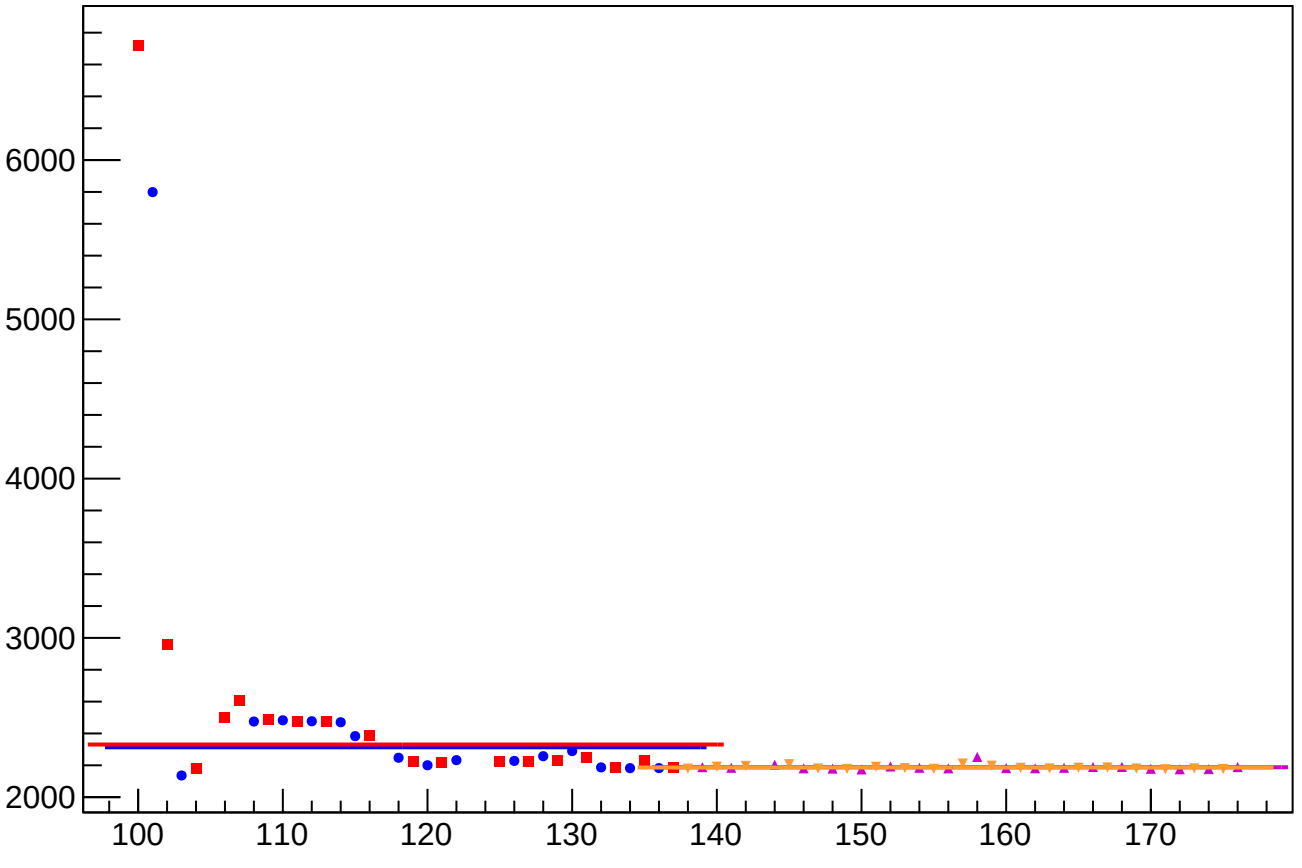
Left: 3936.606+/-395.352 χ^2/NDF: 48.6/37

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4138.797+/-468.691 χ^2/NDF:43.7/34

Out: 3868.181+/-473.089 χ^2/NDF:34.4/36

All: 4004.753+/-332.959 χ^2/NDF: 78.3/71



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

Left: 2186.998+/-0.280 χ^2/NDF: 2504.0/37

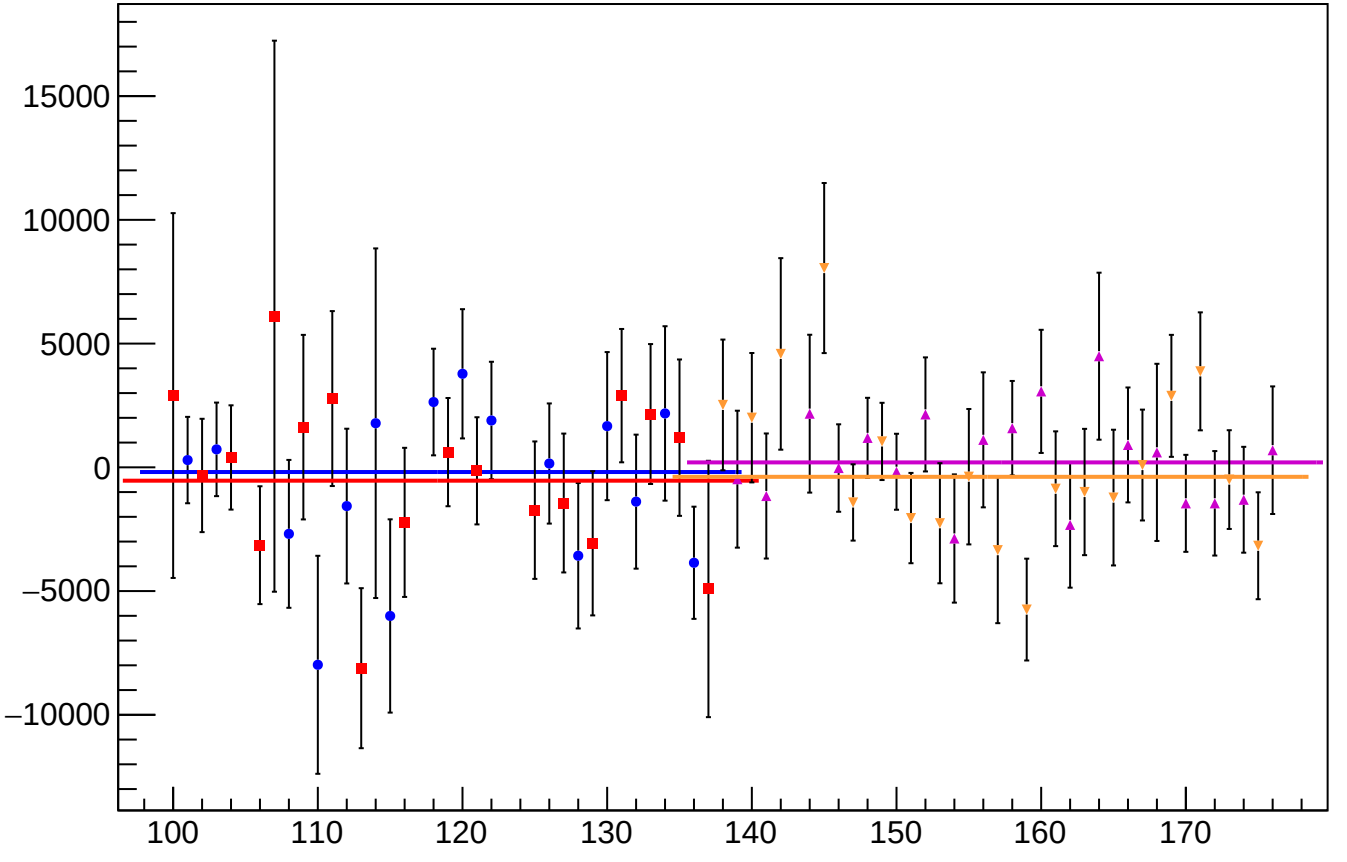
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2223.887+/-0.331 χ^2/NDF:543577.6/34

Out: 2228.667+/-0.335 χ^2/NDF:190965.9/36

All: 2226.255+/-0.235 χ^2/NDF: 734646.6/71

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 199.041+/-514.339 χ^2/NDF:9.8/18

Left: -89.367+/-365.485 χ^2/NDF: 37.6/37

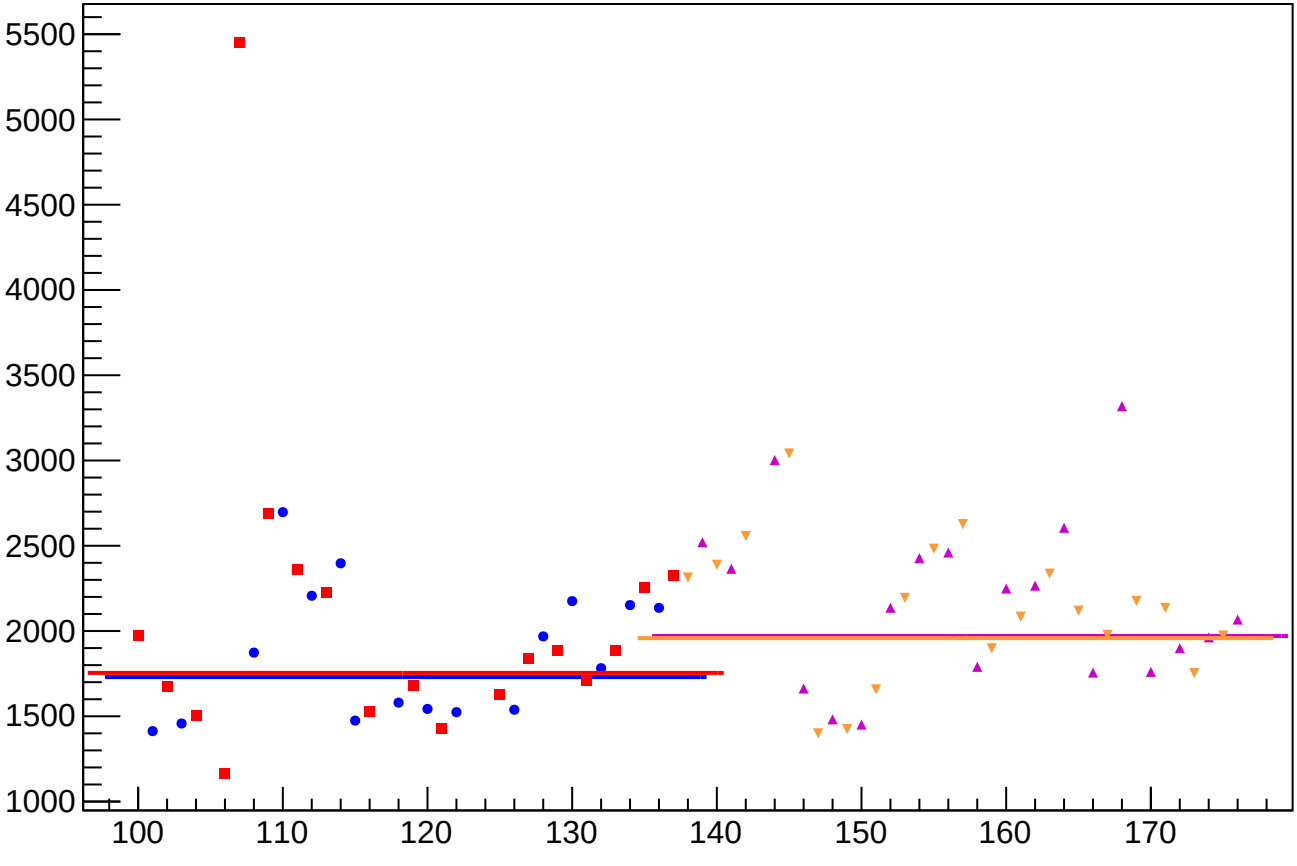
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 51.636+/-405.277 χ^2/NDF:26.5/34

Out: -441.203+/-412.388 χ^2/NDF:41.1/36

All: -190.497+/-289.056 χ^2/NDF: 68.3/71

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: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

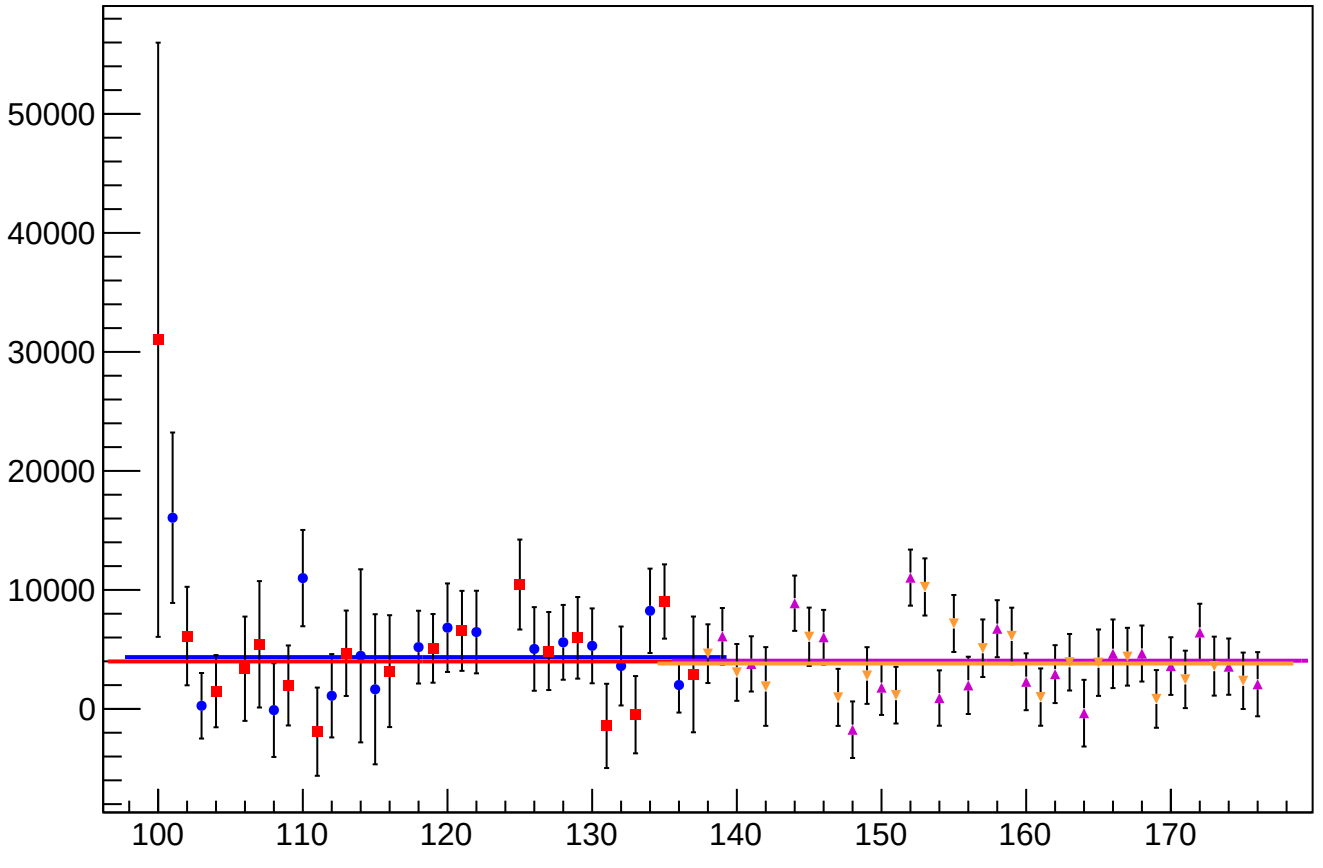
Left: 1964.495+/-0.258 χ^2/NDF: 2605010.1/37

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1879.344+/-0.287 χ^2/NDF:2061496.5/34

Out: 1882.941+/-0.292 χ^2/NDF:2053674.8/36

All: 1881.111+/-0.204 χ^2/NDF: 4115248.6/71



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3817.326+/-563.326 χ^2/NDF:18.2/18

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4052.383+/-554.991 χ^2/NDF:30.3/18

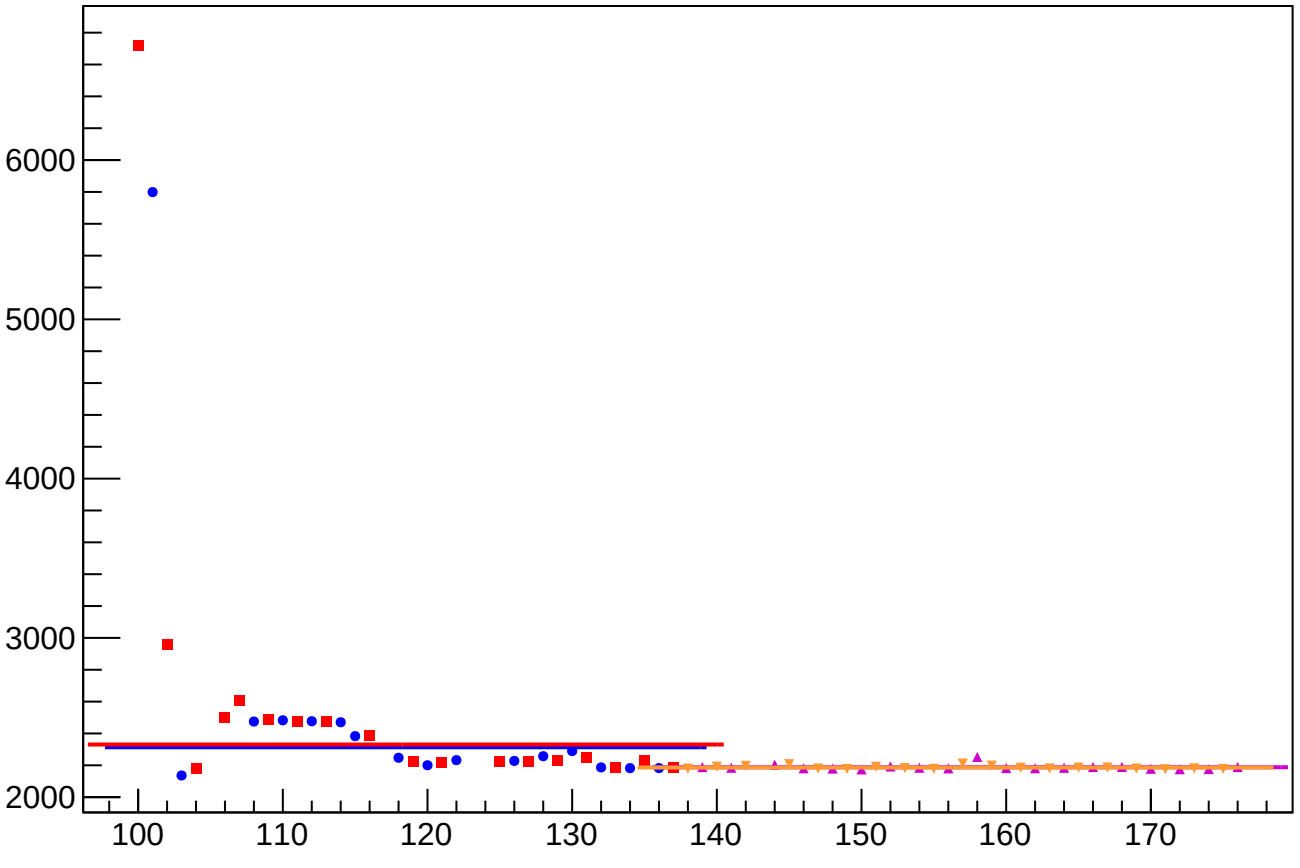
Left: 3936.606+/-395.352 χ^2/NDF: 48.6/37

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4138.797+/-468.691 χ^2/NDF:43.7/34

Out: 3868.181+/-473.089 χ^2/NDF:34.4/36

All: 4004.753+/-332.959 χ^2/NDF: 78.3/71



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.086+/-0.398 χ^2/NDF:634.8/18

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

Left: 2186.998+/-0.280 χ^2/NDF: 2504.0/37

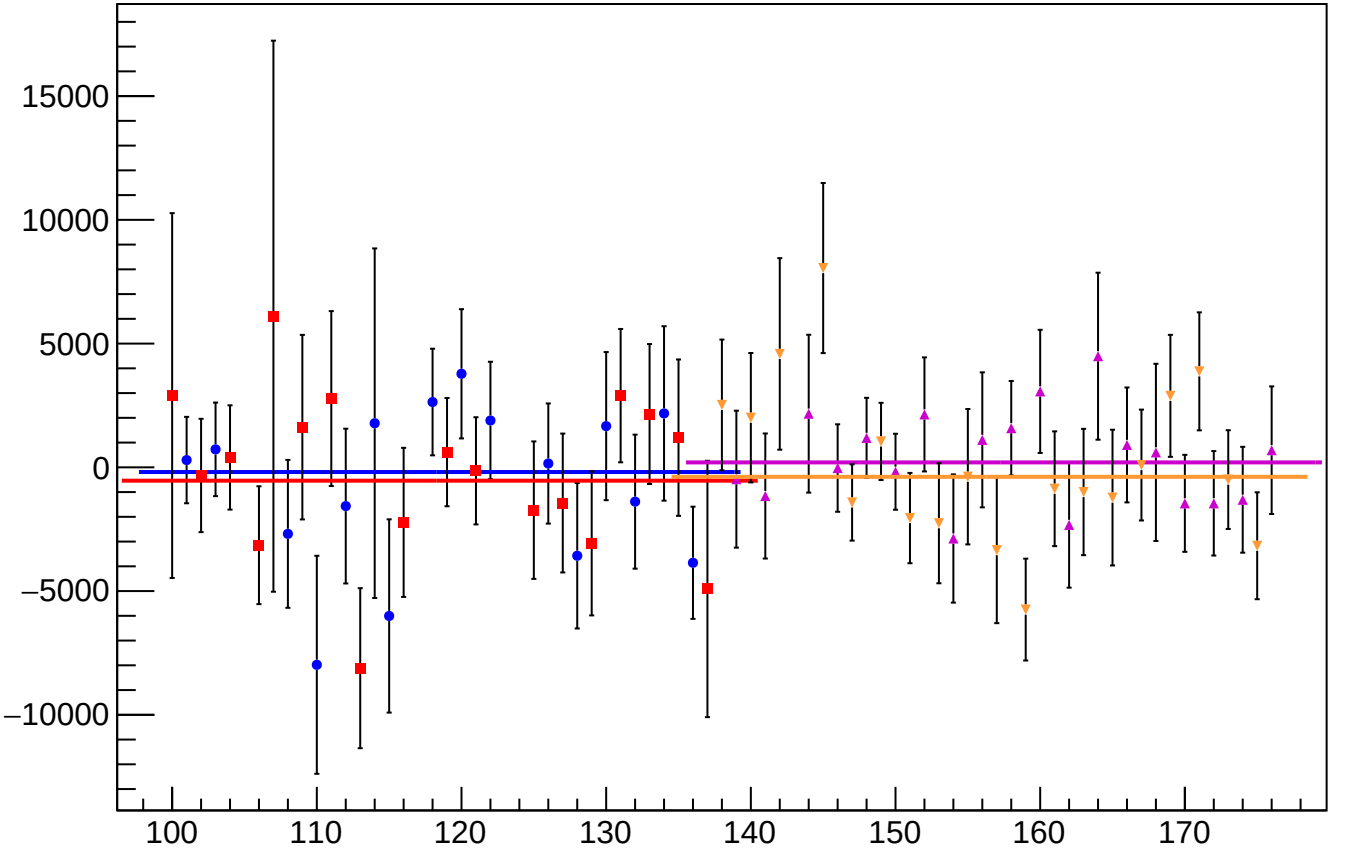
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2223.887+/-0.331 χ^2/NDF:543577.6/34

Out: 2228.667+/-0.335 χ^2/NDF:190965.9/36

All: 2226.255+/-0.235 χ^2/NDF: 734646.6/71

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -383.532+/-519.447 χ^2/NDF:27.1/18

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 199.041+/-514.339 χ^2/NDF:9.8/18

Left: -89.367+/-365.485 χ^2/NDF: 37.6/37

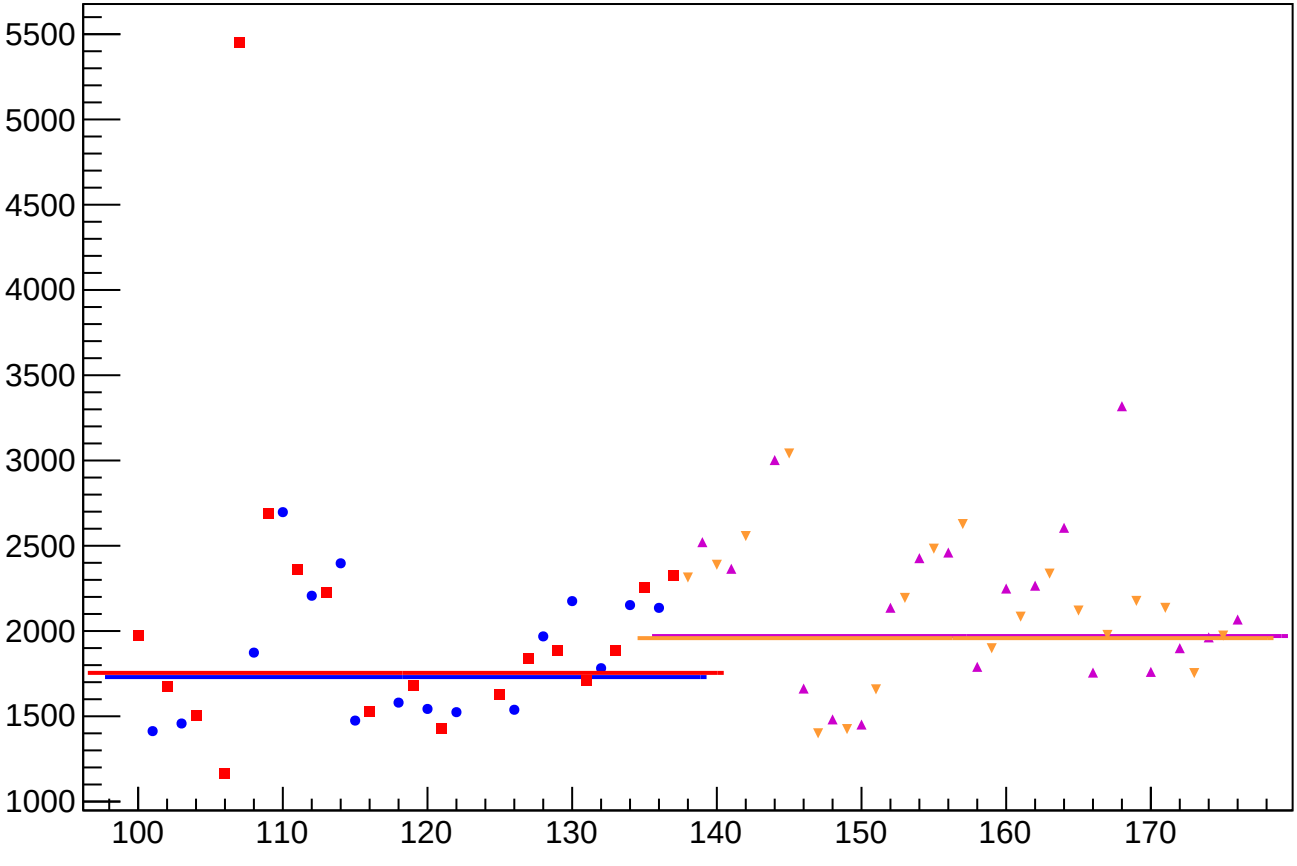
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 51.636+/-405.277 χ^2/NDF:26.5/34

Out: -441.203+/-412.388 χ^2/NDF:41.1/36

All: -190.497+/-289.056 χ^2/NDF: 68.3/71

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: 1958.270+/-0.367 χ^2/NDF:1188904.2/18

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

Left: 1964.495+/-0.258 χ^2/NDF: 2605010.1/37

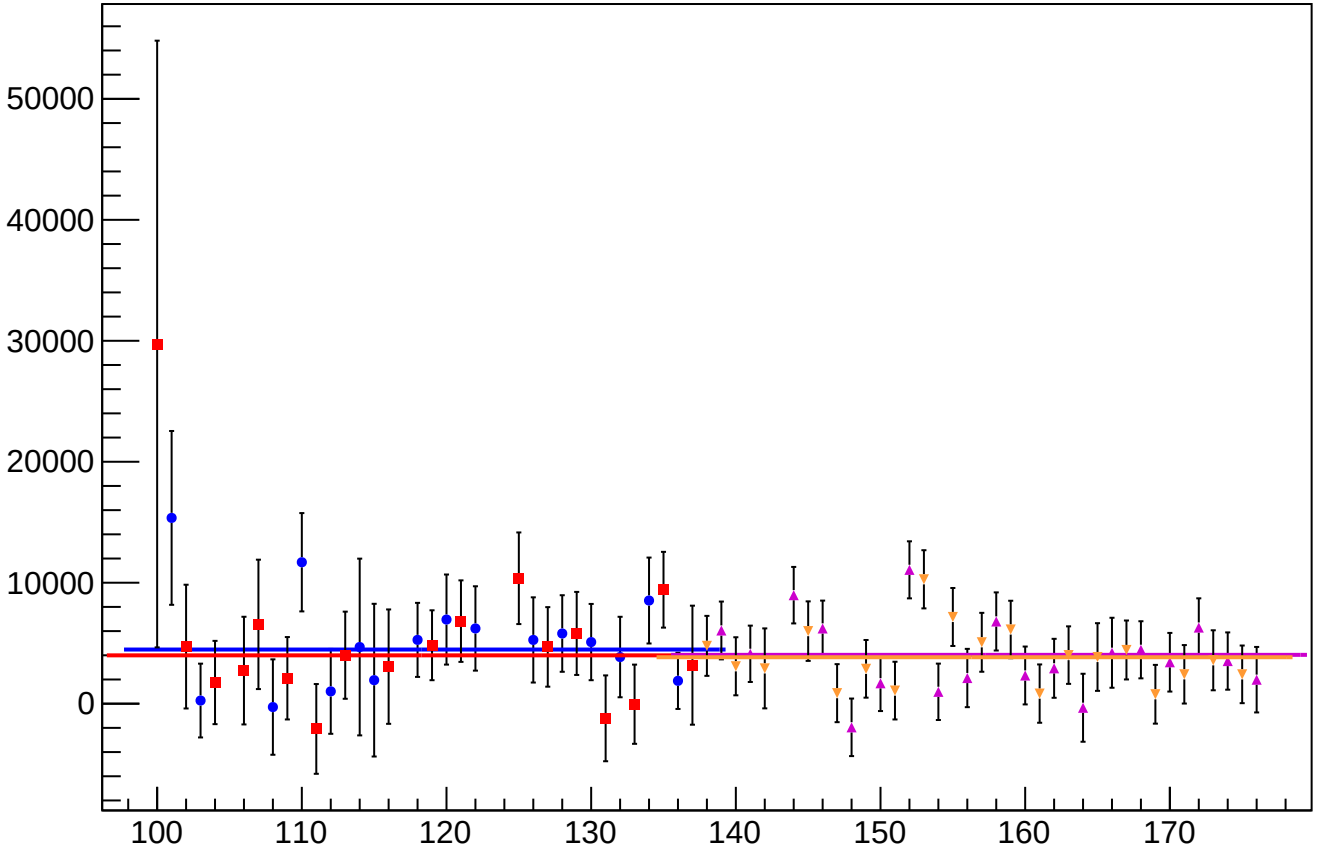
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1879.344+/-0.287 χ^2/NDF:2061496.5/34

Out: 1882.941+/-0.292 χ^2/NDF:2053674.8/36

All: 1881.111+/-0.204 χ^2/NDF: 4115248.6/71

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3840.004+/-564.704 χ^2/NDF:18.3/18

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4036.758+/-556.266 χ^2/NDF:30.7/18

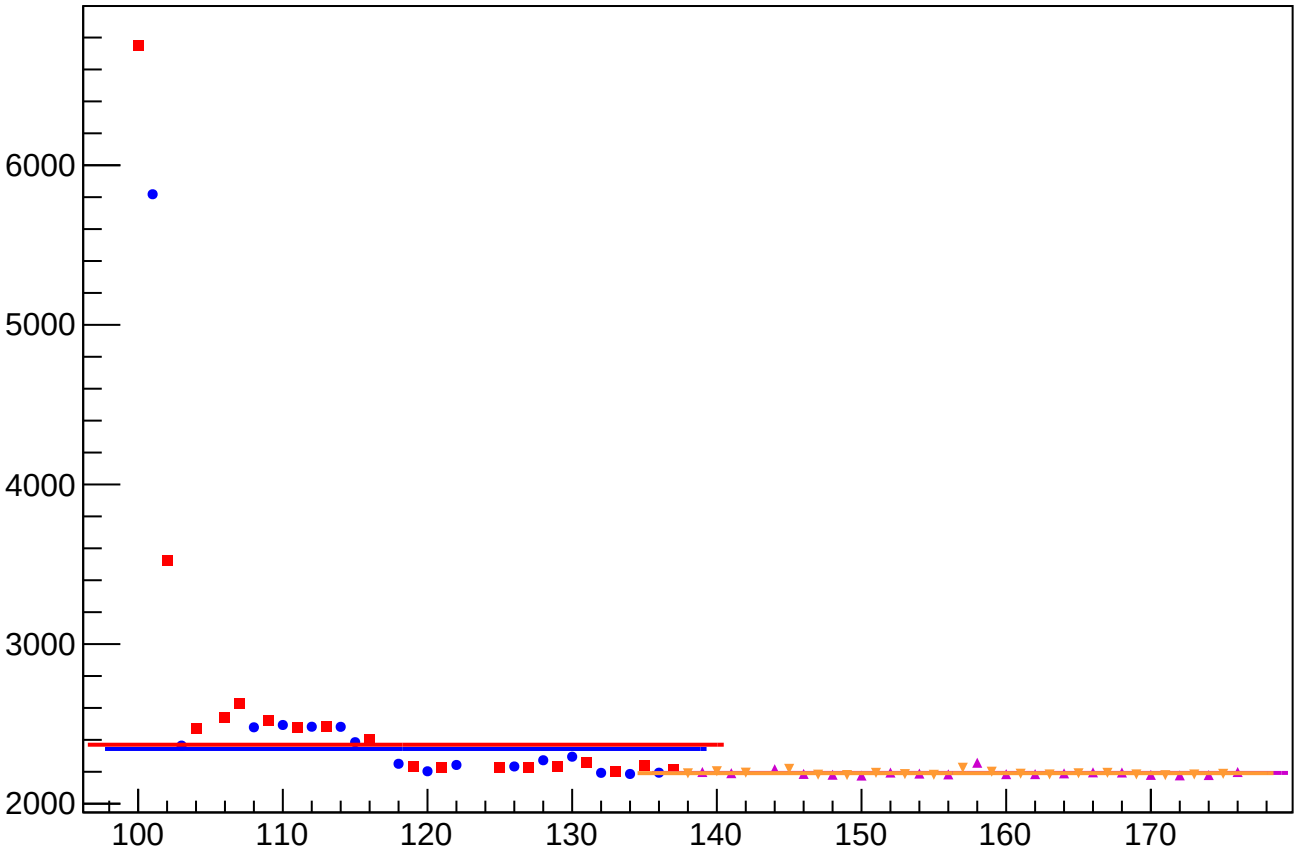
Left: 3939.862+/-396.289 χ^2/NDF: 49.1/37

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4161.051+/-471.123 χ^2/NDF:44.5/34

Out: 3884.693+/-476.889 χ^2/NDF:33.8/36

All: 4024.553+/-335.154 χ^2/NDF: 78.5/71



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

Left: 2192.112+/-0.280 χ^2/NDF: 3047.1/37

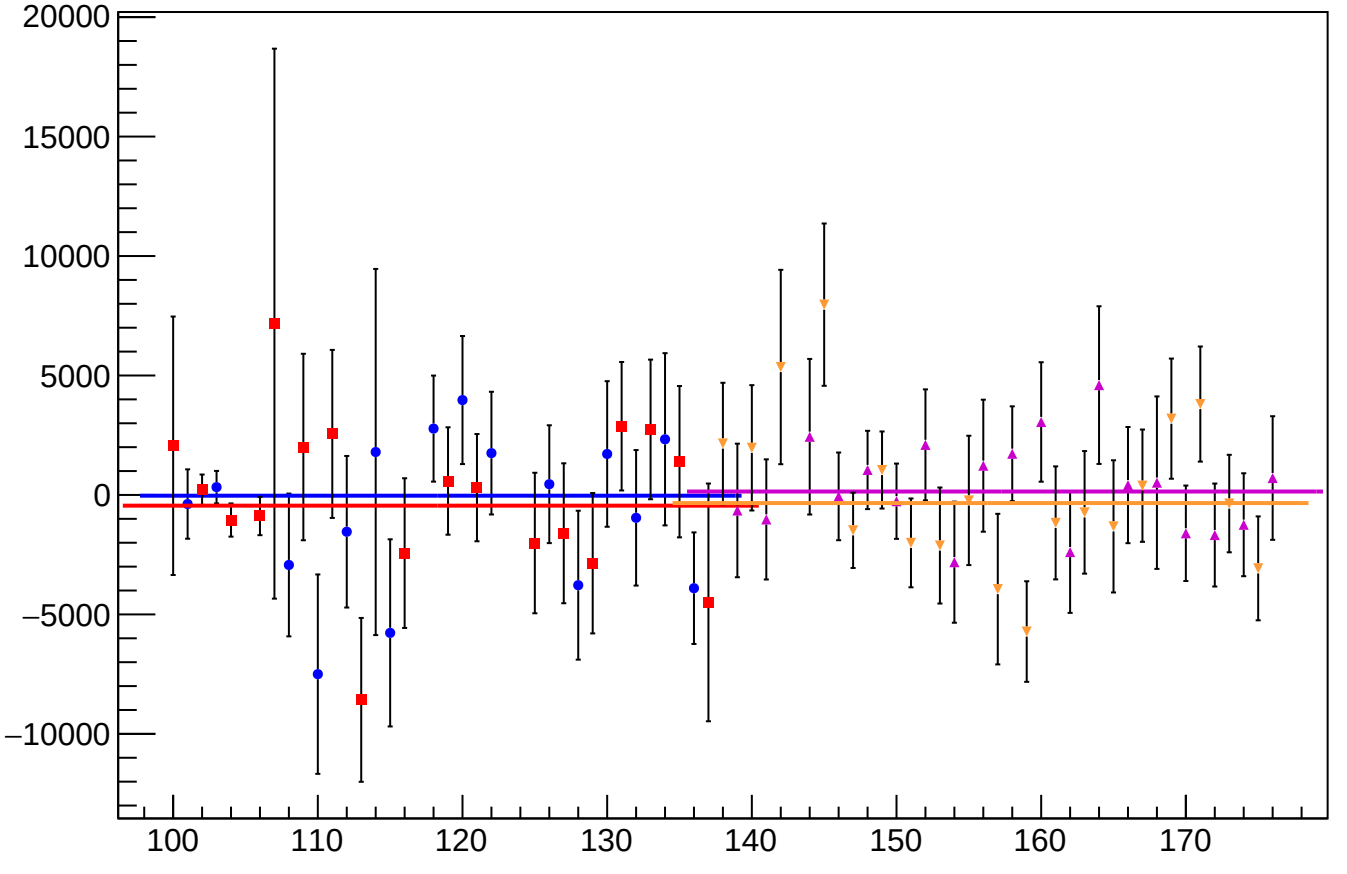
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2235.275+/-0.333 χ^2/NDF:546079.0/34

Out: 2242.468+/-0.337 χ^2/NDF:268260.4/36

All: 2238.828+/-0.237 χ^2/NDF: 814569.6/71

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: -339.490+/-528.486 χ^2/NDF:27.0/18

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 143.697+/-522.594 χ^2/NDF:10.2/18

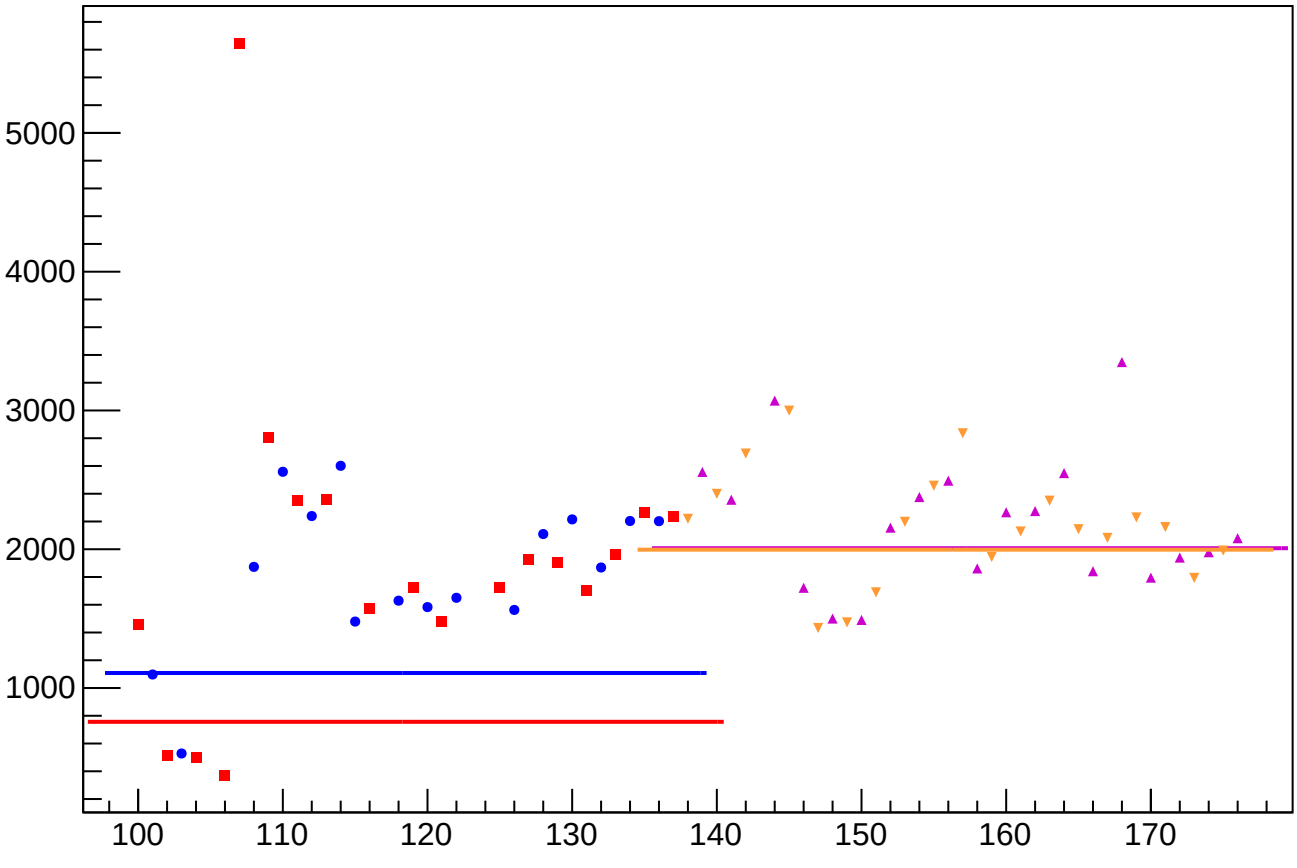
Left: -95.188+/-371.595 χ^2/NDF: 37.6/37

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 49.687+/-355.624 χ^2/NDF:26.5/34

Out: -413.450+/-298.975 χ^2/NDF:42.1/36

All: -221.664+/-228.847 χ^2/NDF: 69.7/71



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1996.883+/-0.374 χ^2/NDF:1128966.5/18

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2007.493+/-0.370 χ^2/NDF:1316648.6/18

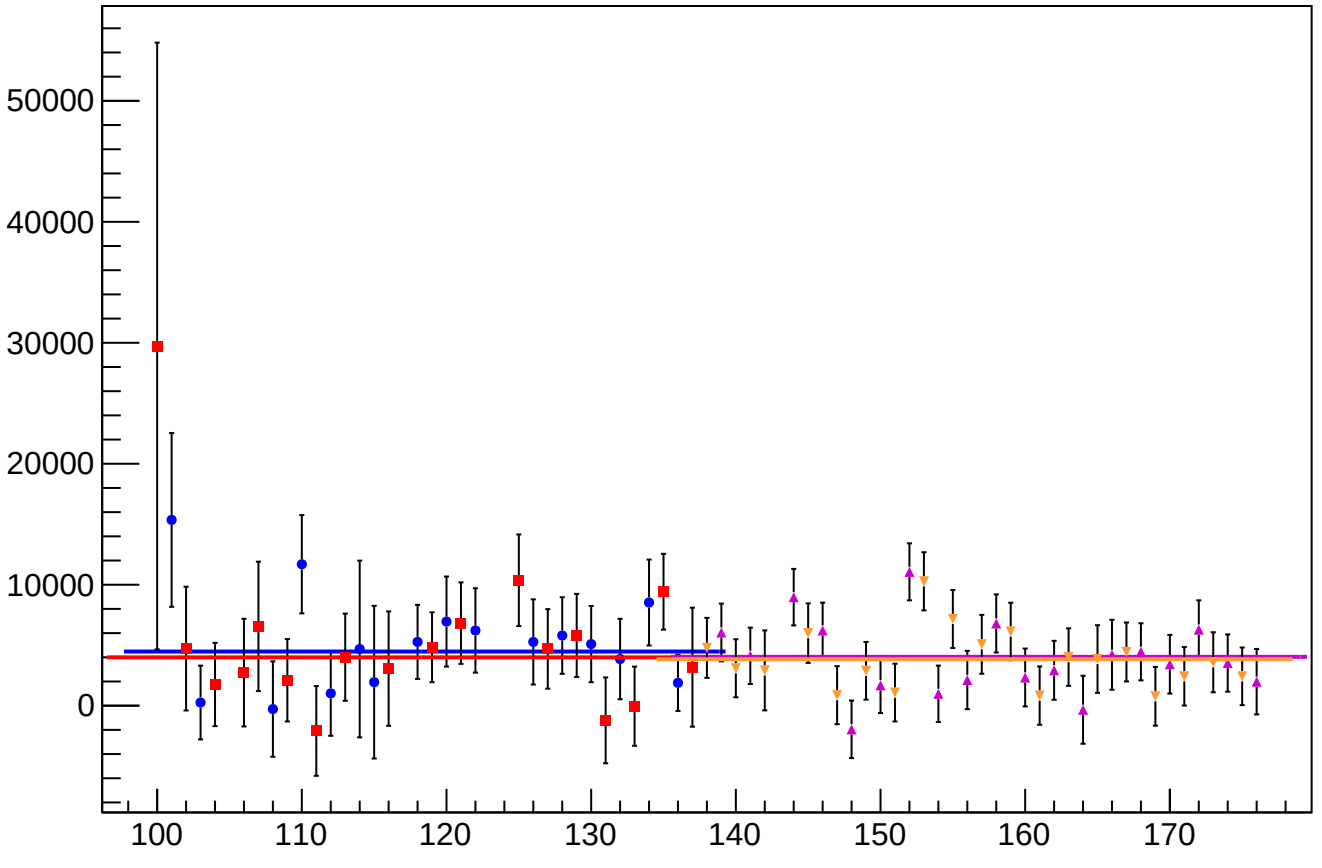
Left: 2002.247+/-0.263 χ^2/NDF: 2446022.7/37

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1524.610+/-0.251 χ^2/NDF:8243462.8/34

Out: 1153.415+/-0.211 χ^2/NDF:14224492.9/36

All: 1307.127+/-0.162 χ^2/NDF: 23744611.2/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3840.003+/-564.704 χ^2/NDF:18.3/18

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4036.759+/-556.266 χ^2/NDF:30.7/18

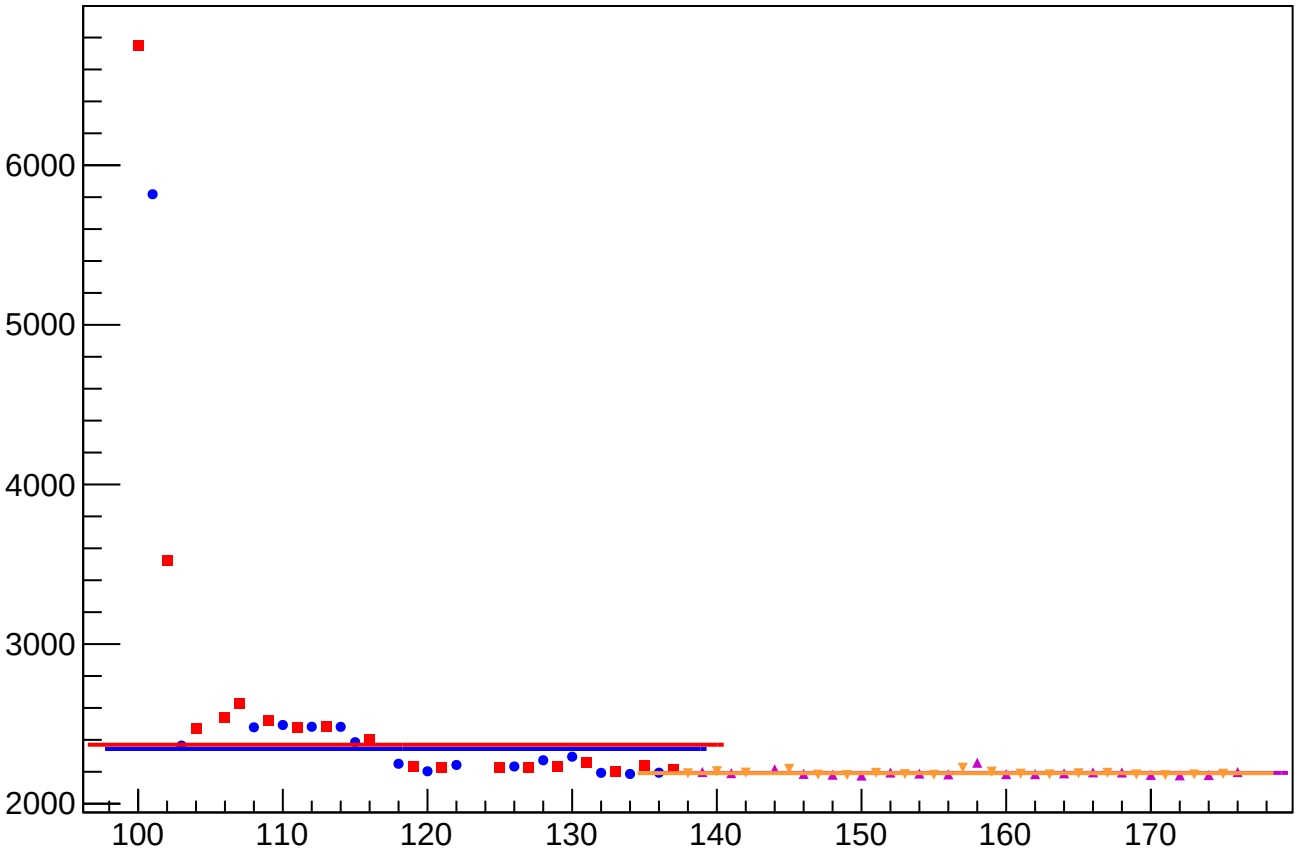
Left: 3939.862+/-396.289 χ^2/NDF: 49.1/37

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4161.051+/-471.123 χ^2/NDF:44.5/34

Out: 3884.691+/-476.889 χ^2/NDF:33.8/36

All: 4024.552+/-335.154 χ^2/NDF: 78.5/71



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.347+/-0.399 χ^2/NDF:971.3/18

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

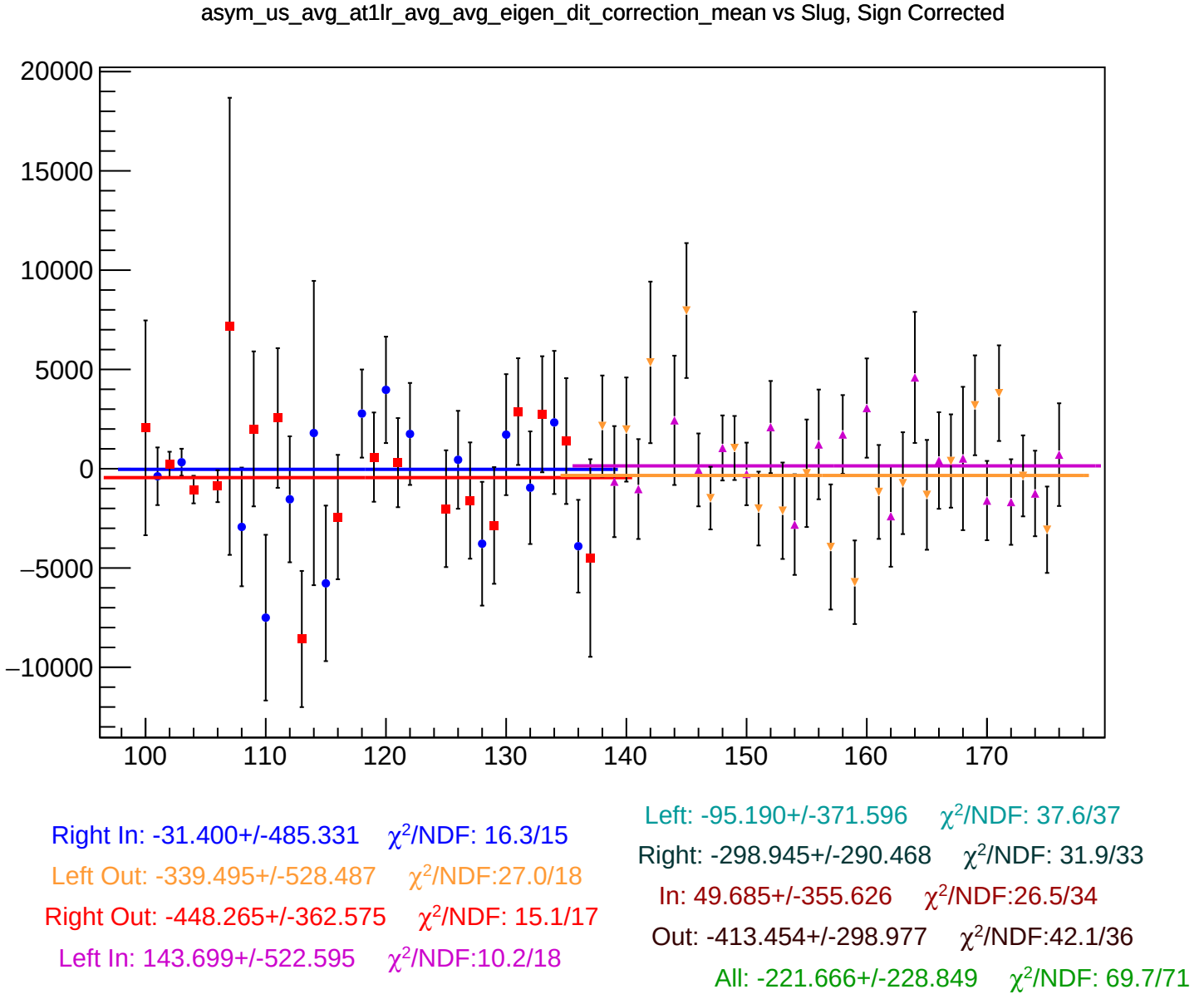
Left: 2192.112+/-0.280 χ^2/NDF: 3047.1/37

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

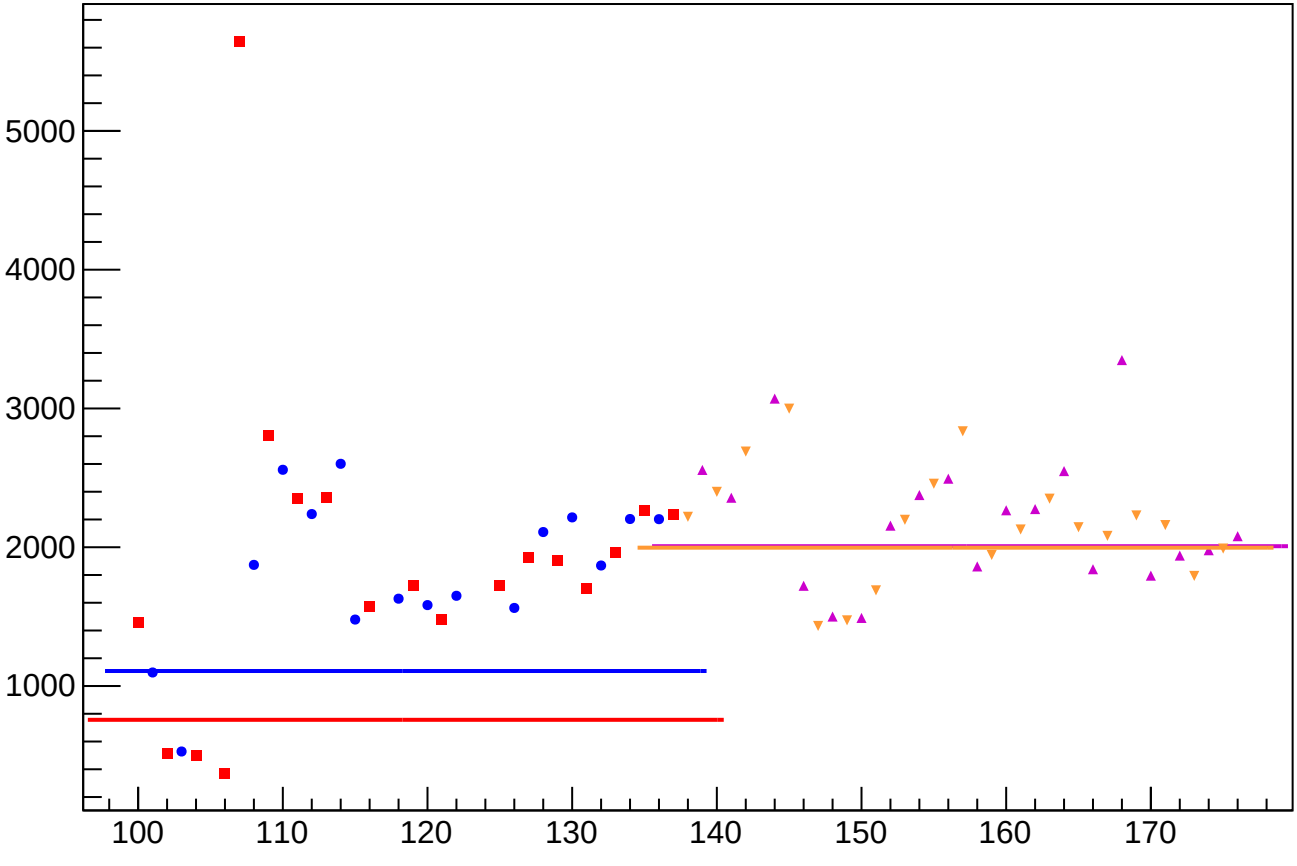
In: 2235.275+/-0.333 χ^2/NDF:546078.8/34

Out: 2242.468+/-0.337 χ^2/NDF:268258.9/36

All: 2238.828+/-0.237 χ^2/NDF: 814567.9/71


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -339.495+/-528.487 χ²/NDF:27.0/18
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 143.699+/-522.595 χ²/NDF:10.2/18
Left: -95.190+/-371.596 χ²/NDF: 37.6/37
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 49.685+/-355.626 χ²/NDF:26.5/34
Out: -413.454+/-298.977 χ²/NDF:42.1/36
All: -221.666+/-228.849 χ²/NDF: 69.7/71

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: 1996.886+/-0.374 χ^2/NDF:1128966.6/18

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2007.497+/-0.370 χ^2/NDF:1316647.6/18

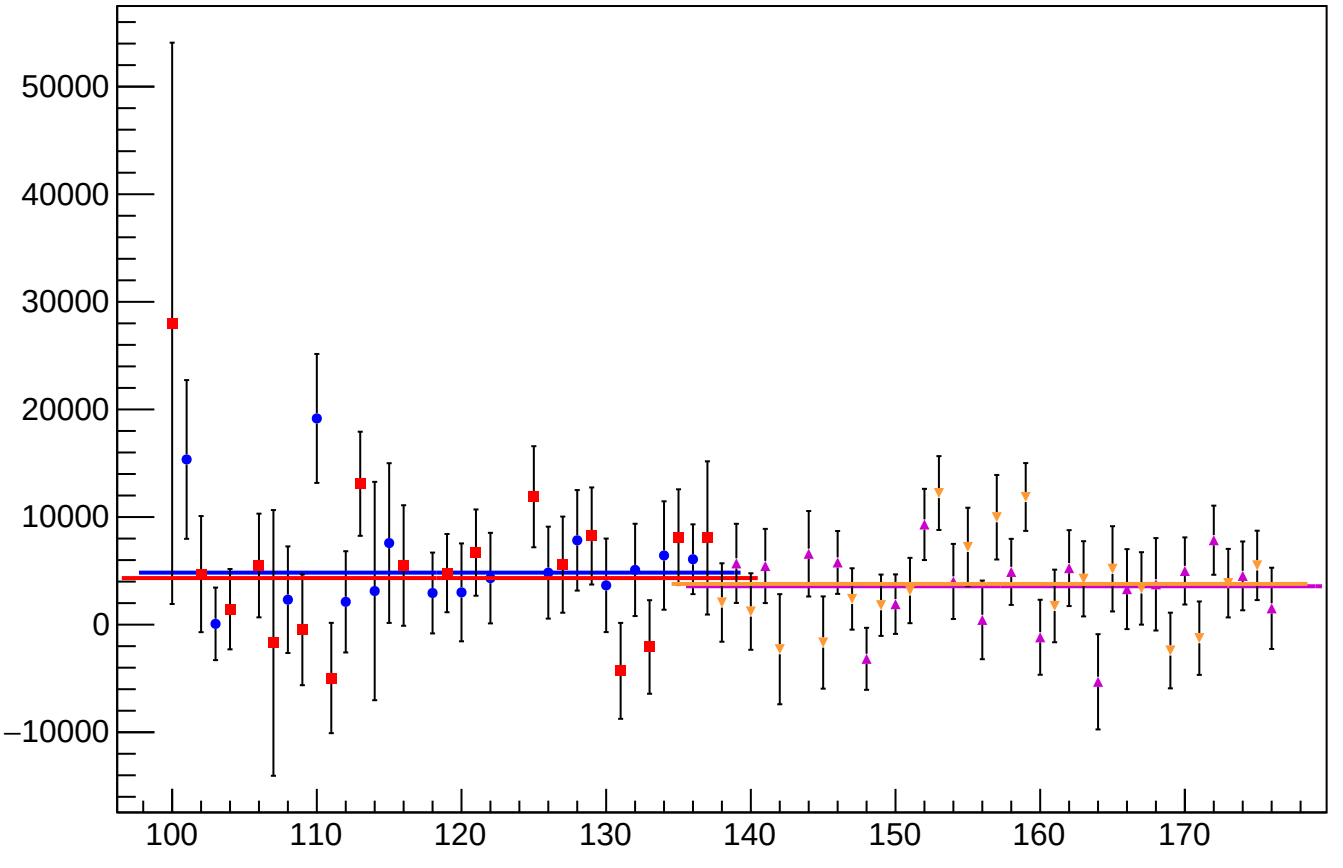
Left: 2002.251+/-0.263 χ^2/NDF: 2446021.8/37

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1524.619+/-0.251 χ^2/NDF:8243321.7/34

Out: 1153.432+/-0.211 χ^2/NDF:14224155.1/36

All: 1307.142+/-0.162 χ^2/NDF: 23744055.3/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3784.072+/-787.946 χ^2/NDF:26.6/18

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3567.746+/-777.976 χ^2/NDF:20.1/18

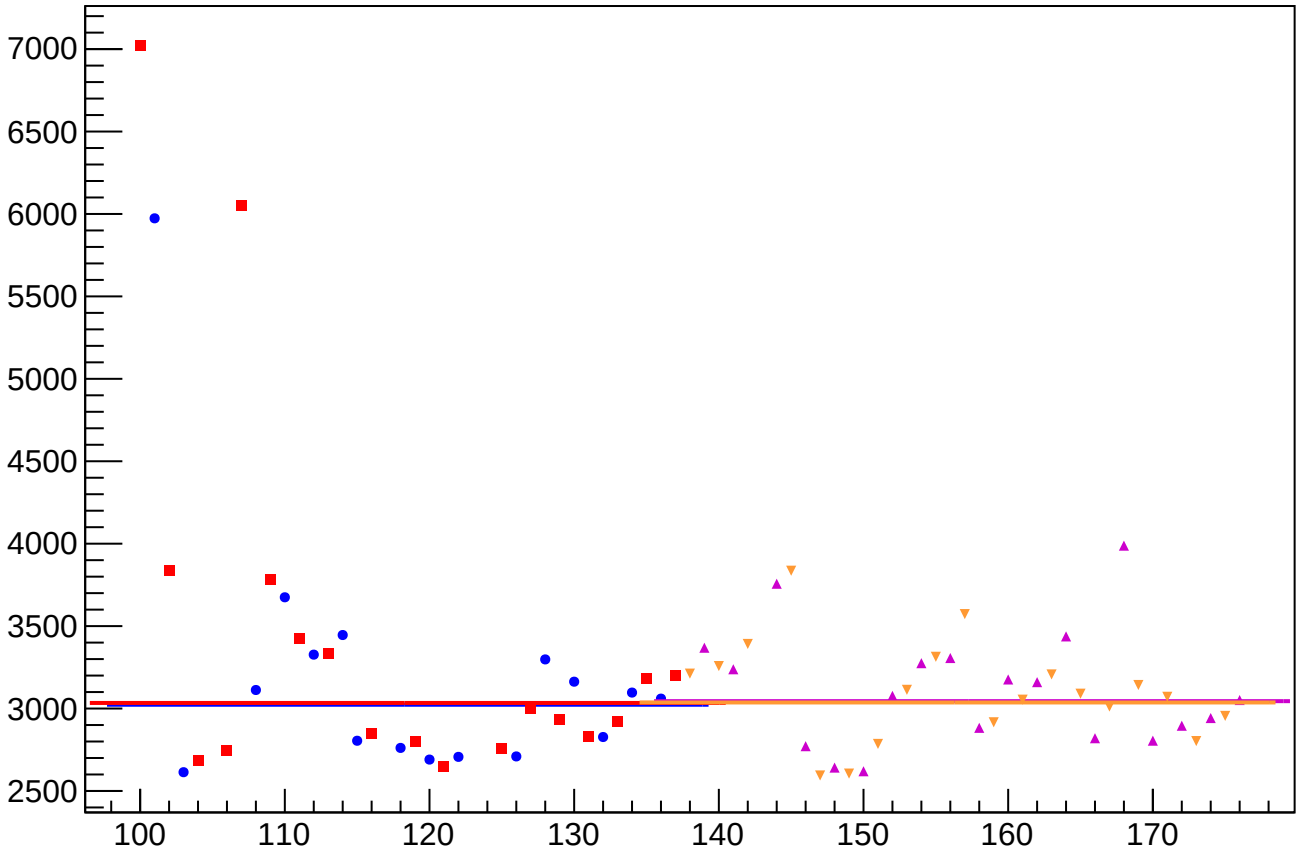
Left: 3674.532+/-553.603 χ^2/NDF: 46.7/37

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3968.806+/-643.053 χ^2/NDF:32.6/34

Out: 3959.165+/-649.016 χ^2/NDF:46.7/36

All: 3964.030+/-456.801 χ^2/NDF: 79.3/71



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3036.830+/-0.557 χ^2/NDF:271240.4/18

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.764+/-0.550 χ^2/NDF:357418.1/18

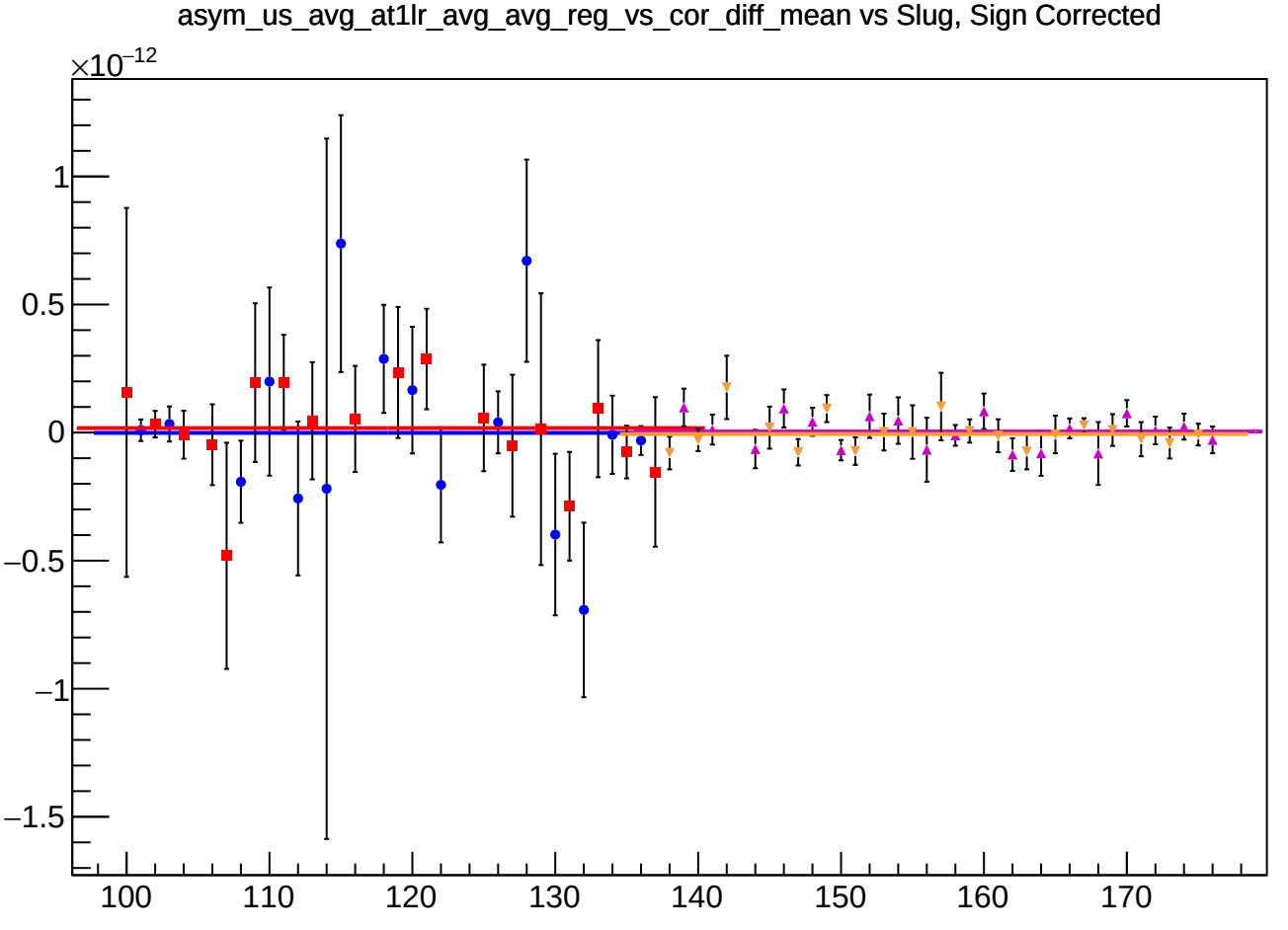
Left: 3040.848+/-0.391 χ^2/NDF: 628761.3/37

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3037.892+/-0.455 χ^2/NDF:801616.7/34

Out: 3035.878+/-0.459 χ^2/NDF:613924.2/36

All: 3036.894+/-0.323 χ^2/NDF: 1415550.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

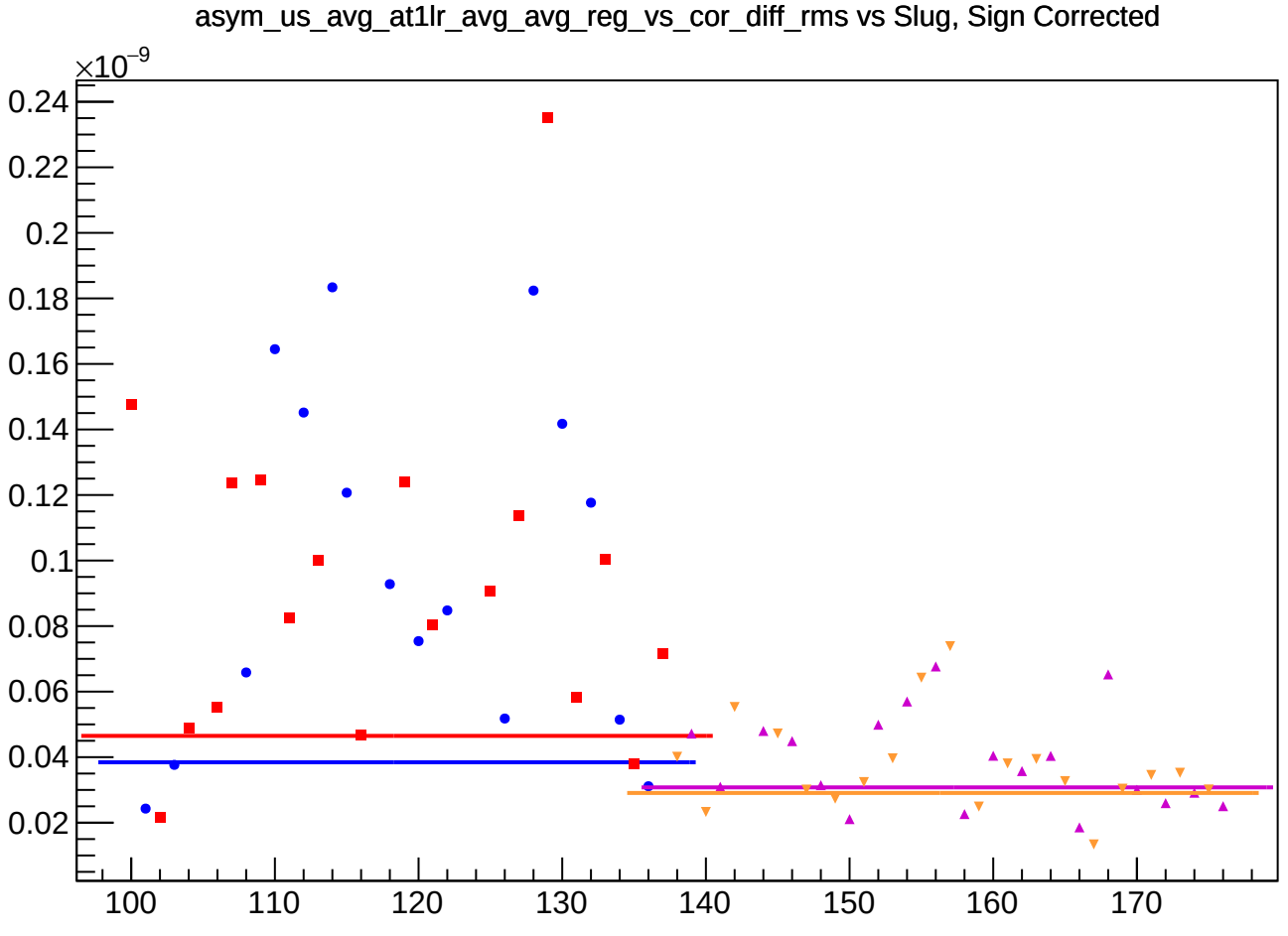
Left: -0.000+/-0.000 χ^2/NDF: 31.0/37

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

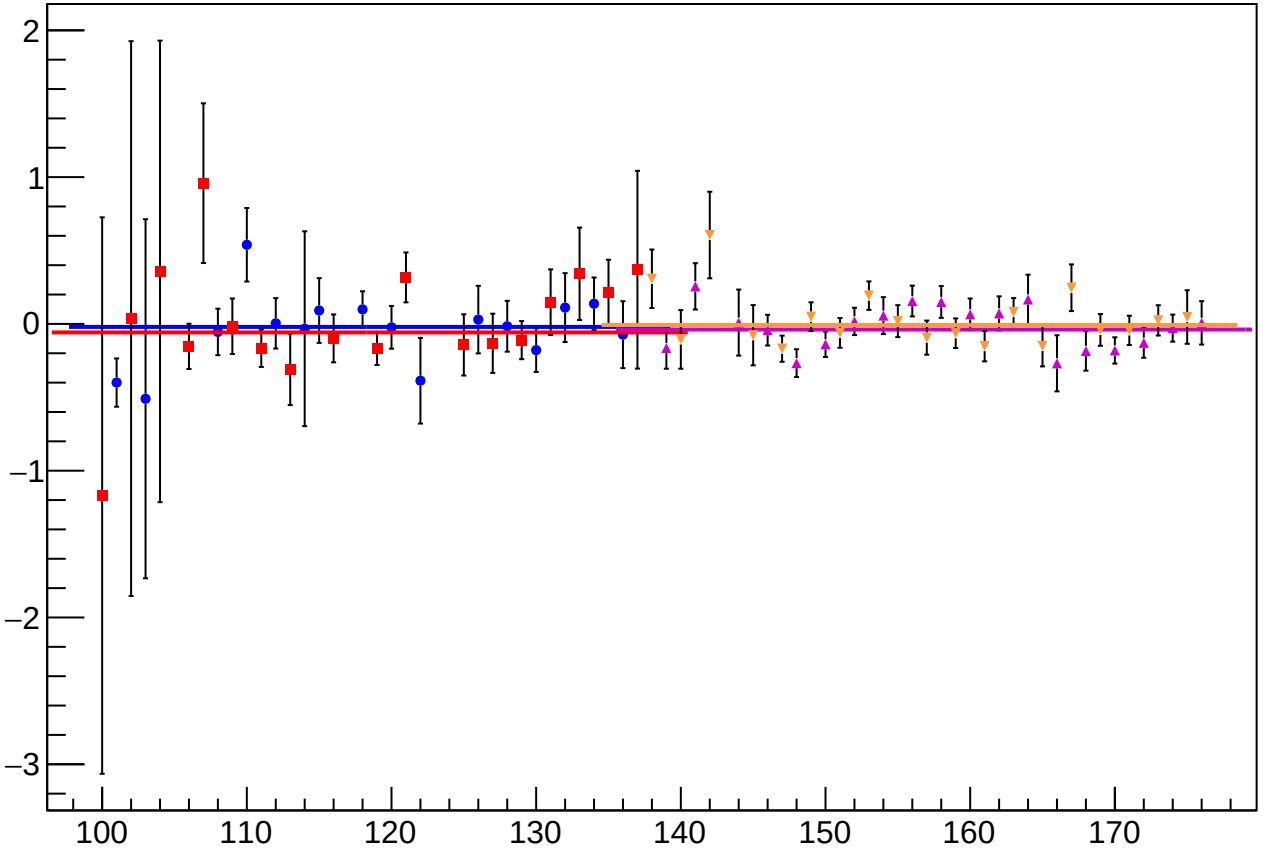
In: 0.000+/-0.000 χ^2/NDF:33.4/34

Out: -0.000+/-0.000 χ^2/NDF:23.8/36

All: 0.000+/-0.000 χ^2/NDF: 57.3/71


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1550687.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1395516.6/18
Left: 0.000+/-0.000 χ²/NDF: 2963037.4/37
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3294221.1/34
Out: 0.000+/-0.000 χ²/NDF:3695464.5/36
All: 0.000+/-0.000 χ²/NDF: 6997942.9/71

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: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.023+/-0.019 χ^2/NDF: 51.9/37

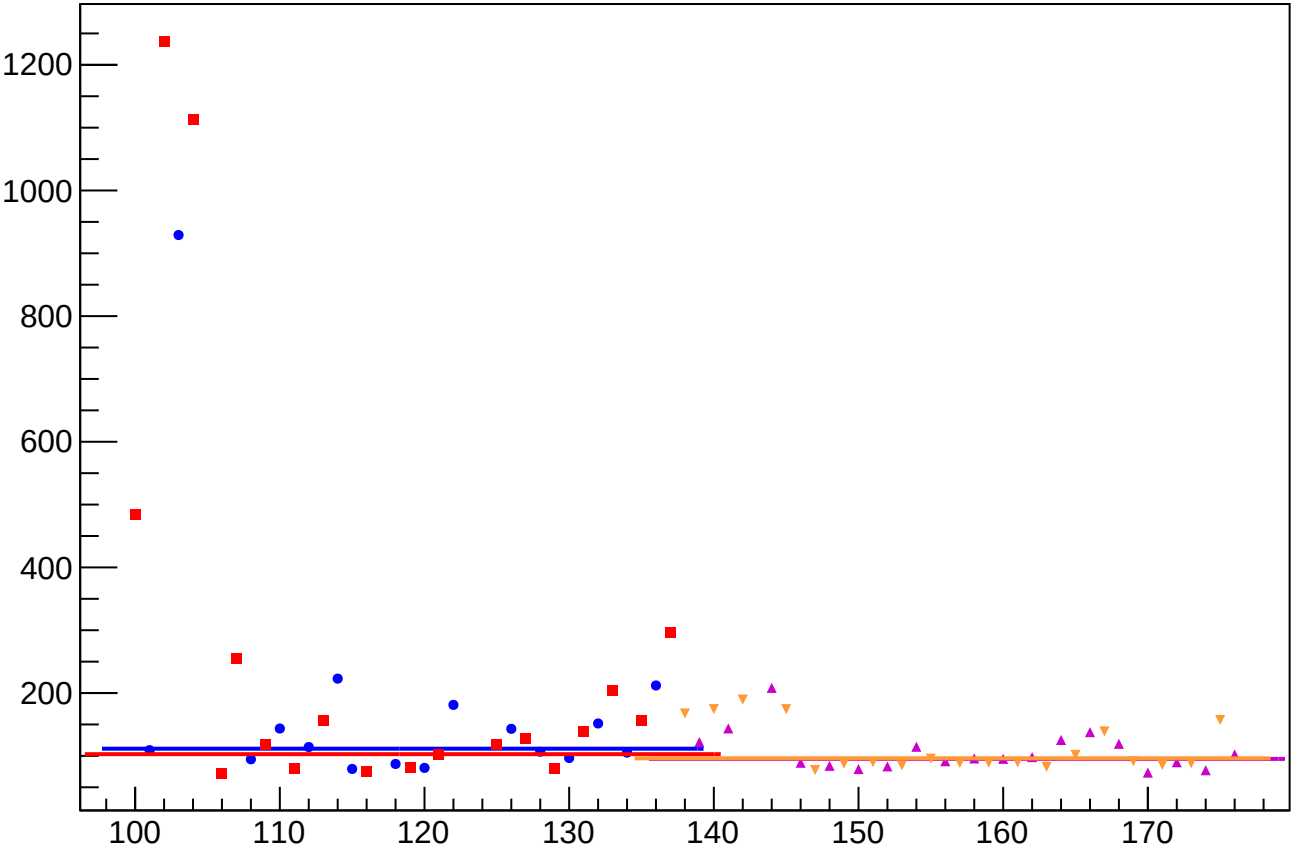
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.027+/-0.016 χ^2/NDF: 84.9/71

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: 96.053+/-0.019 χ^2/NDF:1666805.6/18

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

Left: 95.584+/-0.013 χ^2/NDF: 3054684.6/37

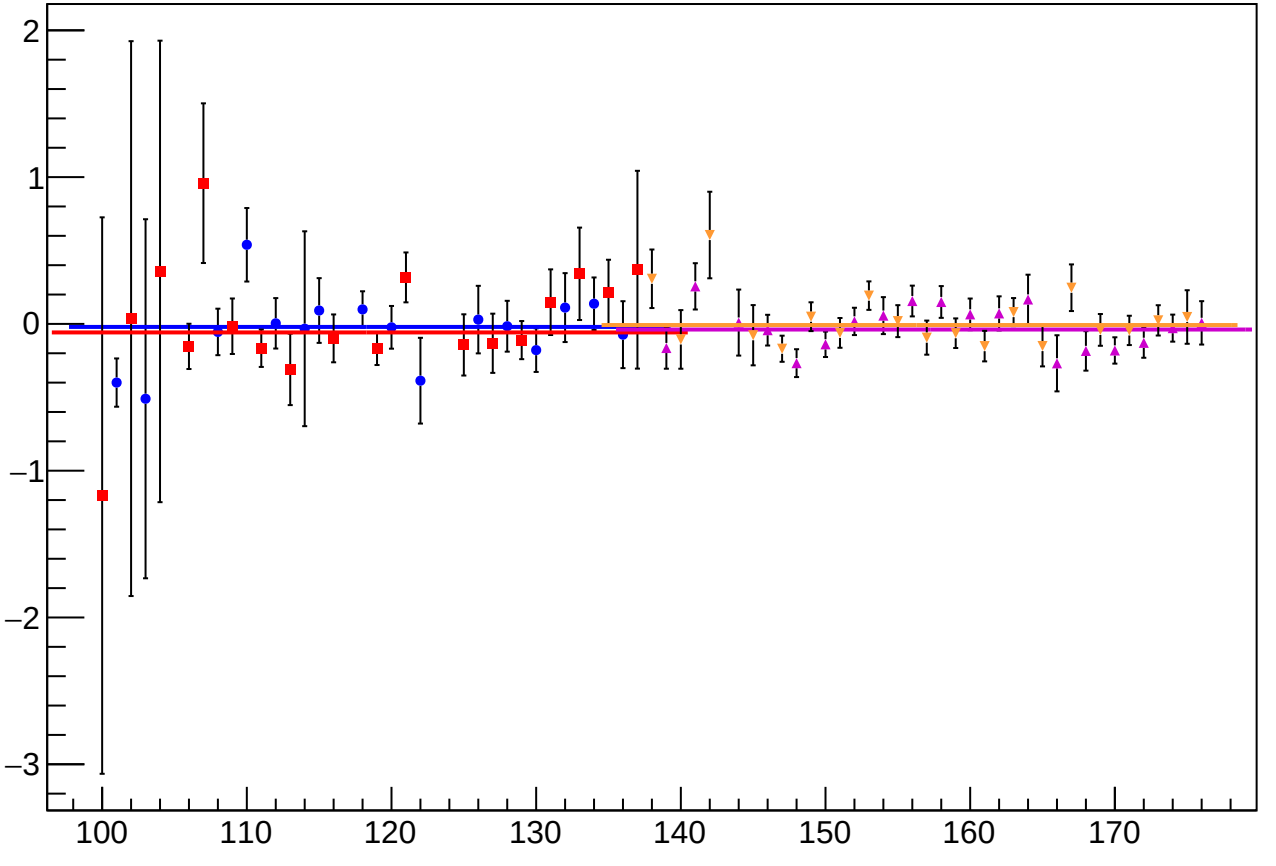
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.908+/-0.016 χ^2/NDF:3405289.8/34

Out: 97.720+/-0.016 χ^2/NDF:4524110.9/36

All: 98.324+/-0.012 χ^2/NDF: 7932043.5/71

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: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.023+/-0.019 χ^2/NDF: 51.9/37

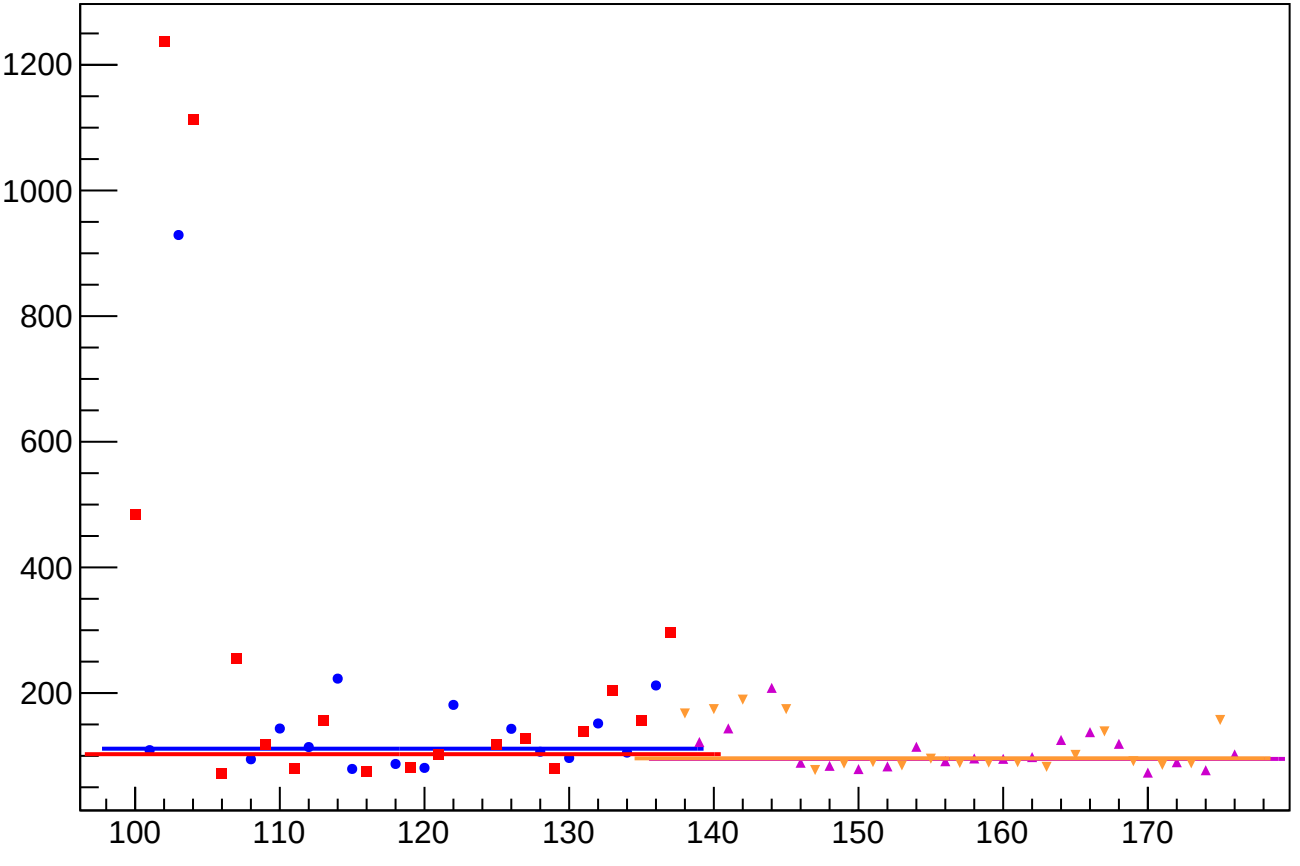
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.027+/-0.016 χ^2/NDF: 84.9/71

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: 96.053+/-0.019 χ^2/NDF:1666805.6/18

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

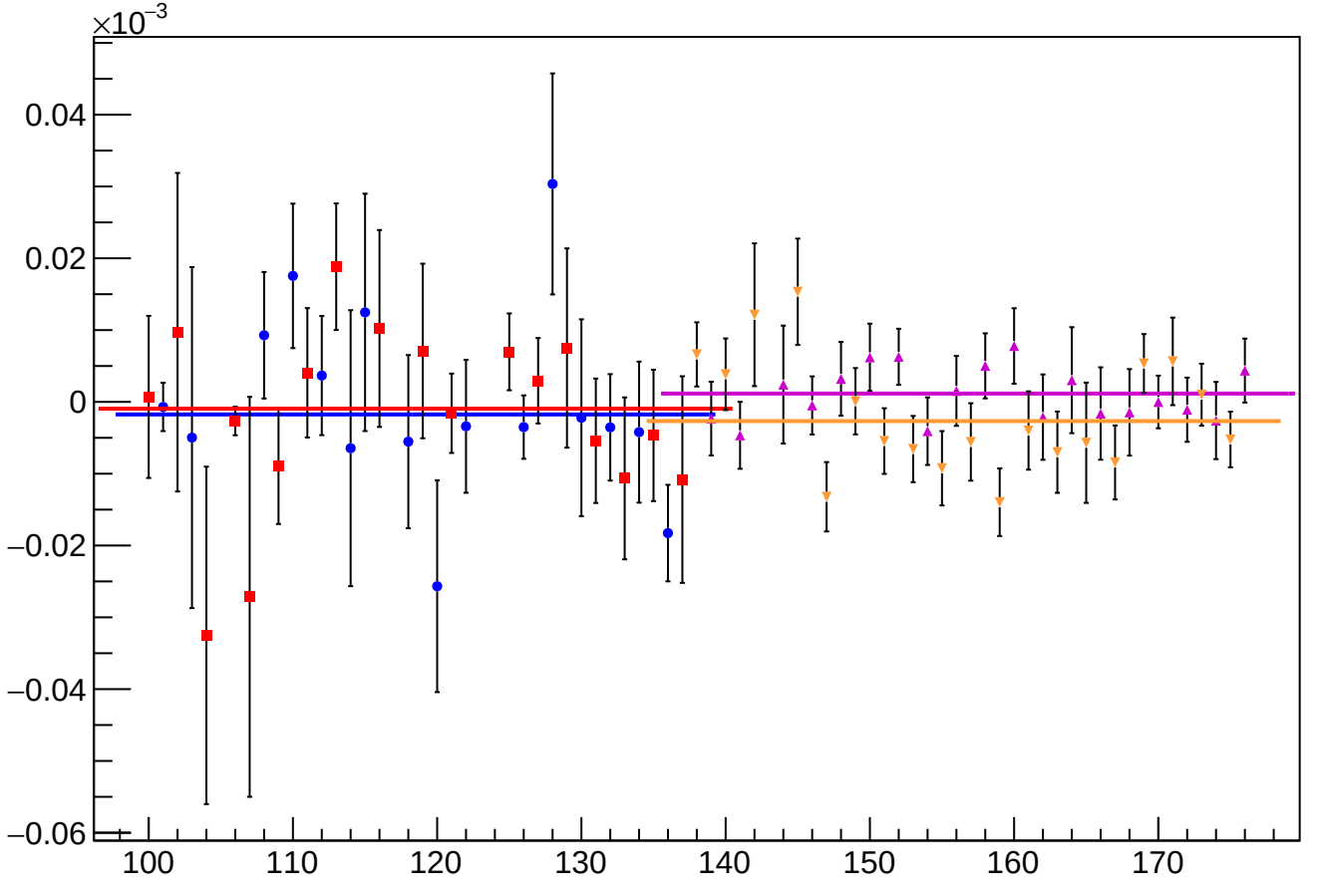
Left: 95.584+/-0.013 χ^2/NDF: 3054684.6/37

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.908+/-0.016 χ^2/NDF:3405289.8/34

Out: 97.720+/-0.016 χ^2/NDF:4524110.9/36

All: 98.324+/-0.012 χ^2/NDF: 7932043.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

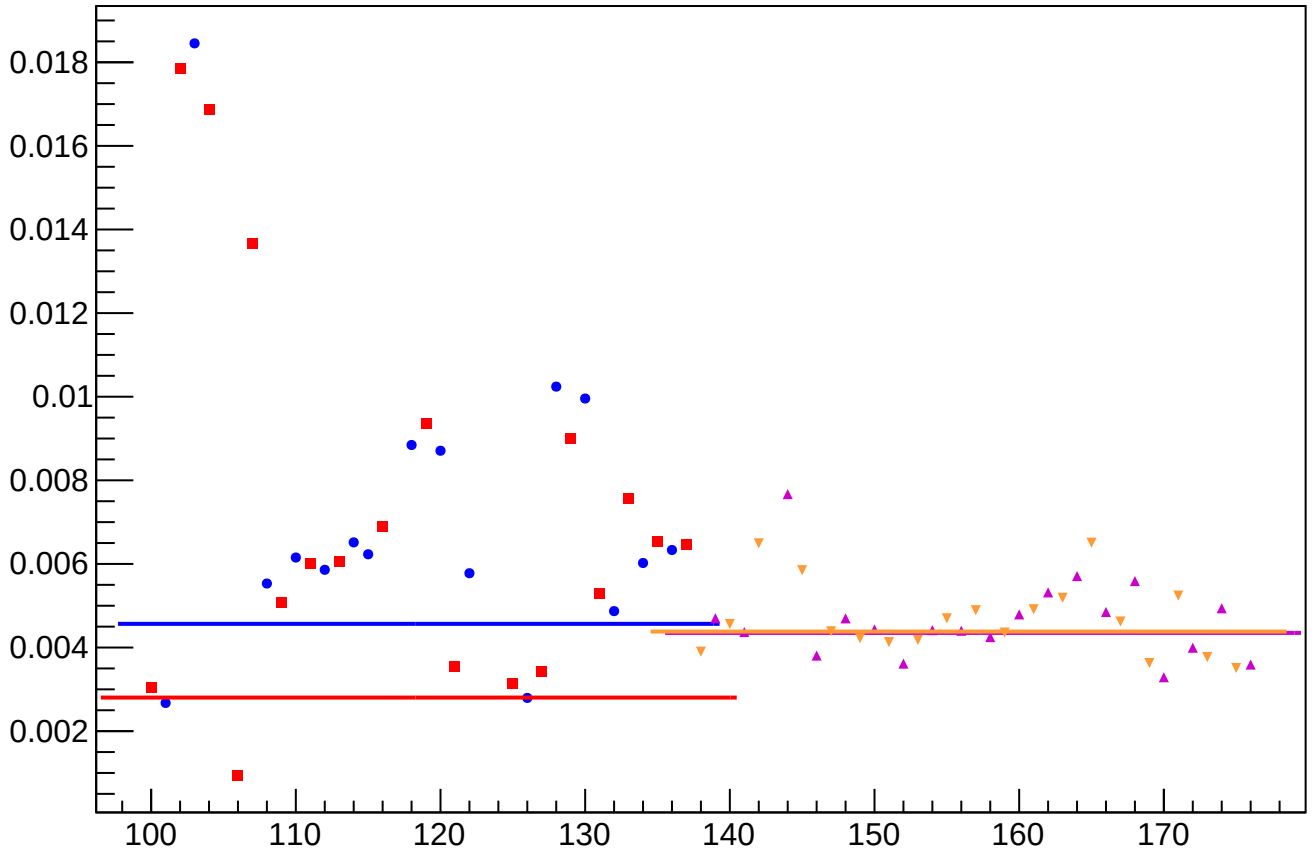
Left: -0.000+/-0.000 χ^2/NDF: 53.5/37

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:32.6/34

Out: -0.000+/-0.000 χ^2/NDF:53.5/36

All: -0.000+/-0.000 χ^2/NDF: 89.5/71



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:674227.5/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:948697.7/18

Left: 0.004+/-0.000 χ^2/NDF: 1623768.4/37

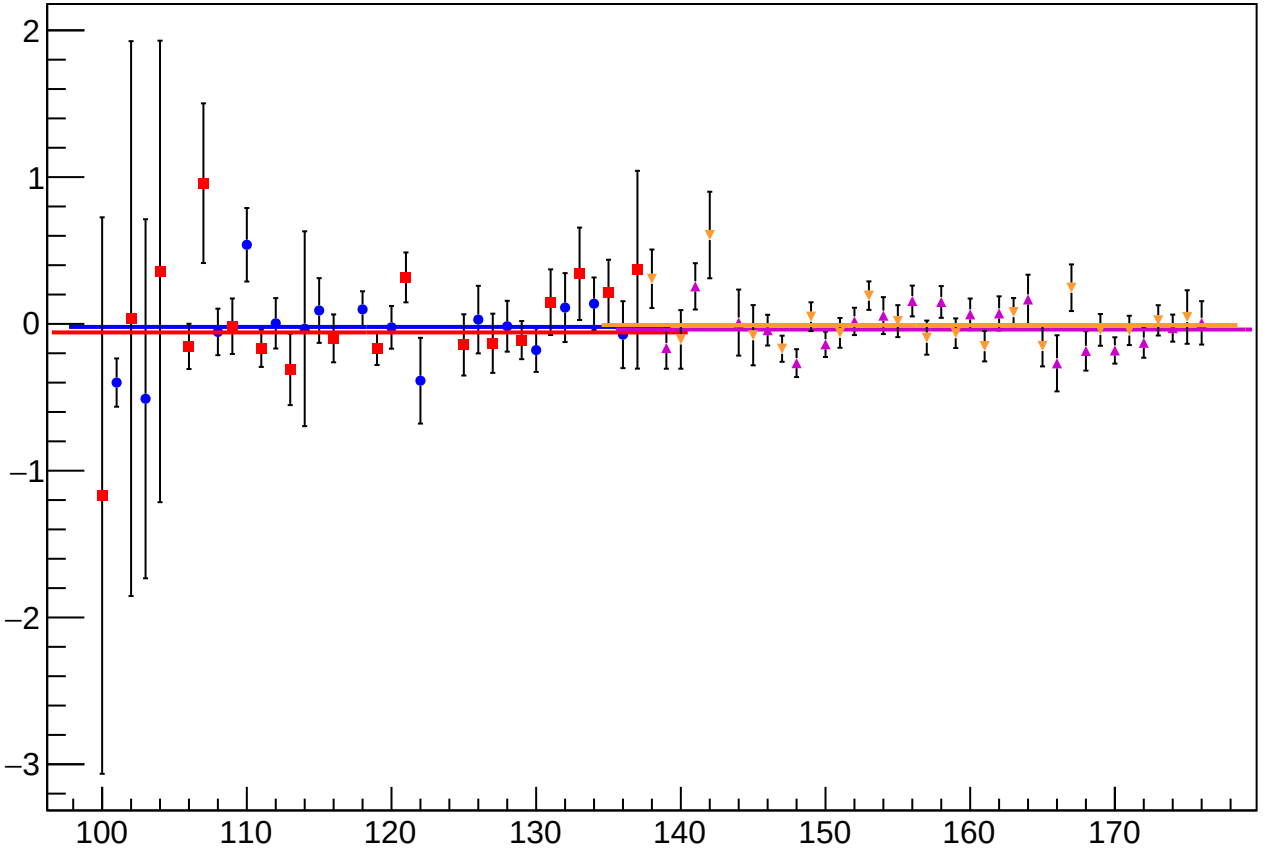
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3979829.7/34

Out: 0.004+/-0.000 χ^2/NDF:8698222.5/36

All: 0.004+/-0.000 χ^2/NDF: 13115558.8/71

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: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.023+/-0.019 χ^2/NDF: 51.9/37

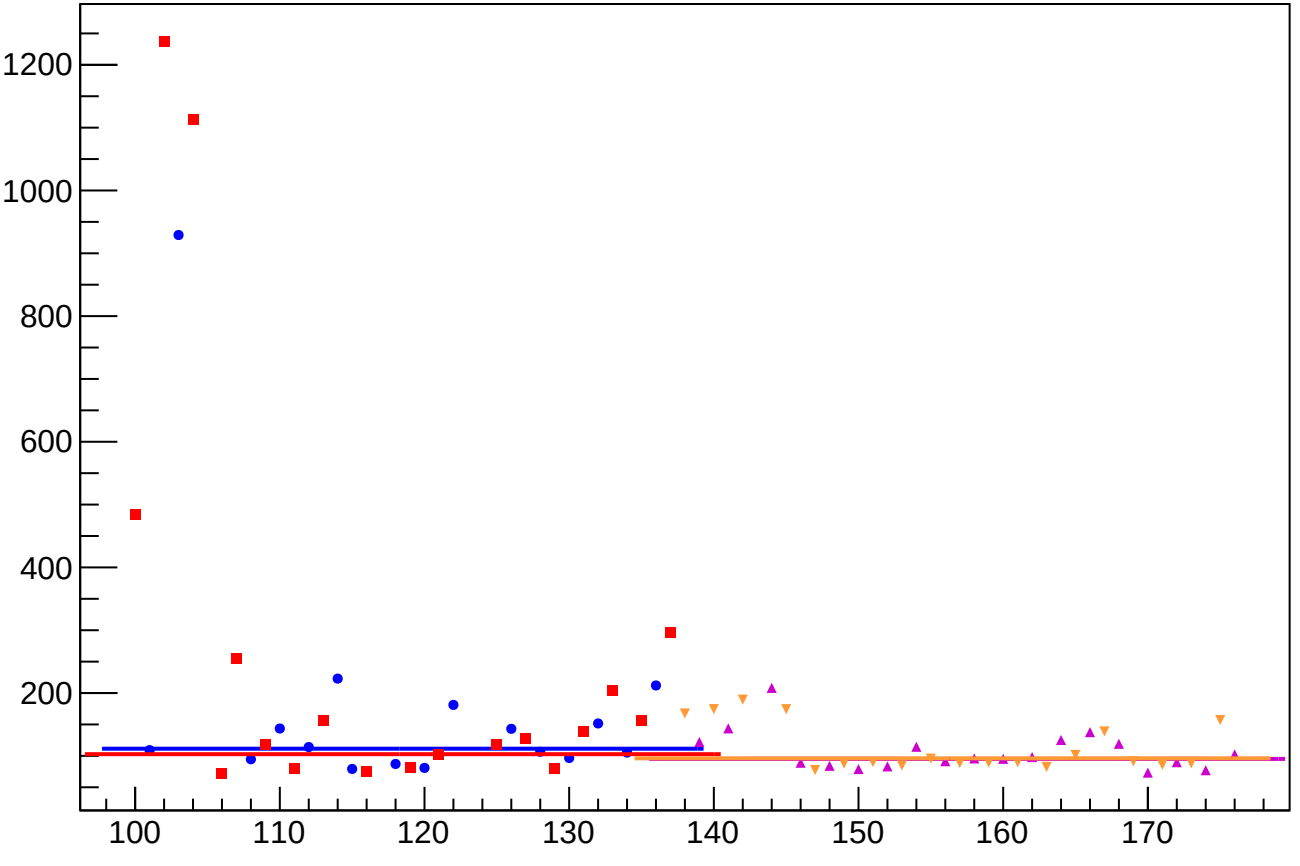
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.027+/-0.016 χ^2/NDF: 84.9/71

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: 96.053+/-0.019 χ^2/NDF:1666774.8/18

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.142+/-0.018 χ^2/NDF:1386671.2/18

Left: 95.584+/-0.013 χ^2/NDF: 3054624.8/37

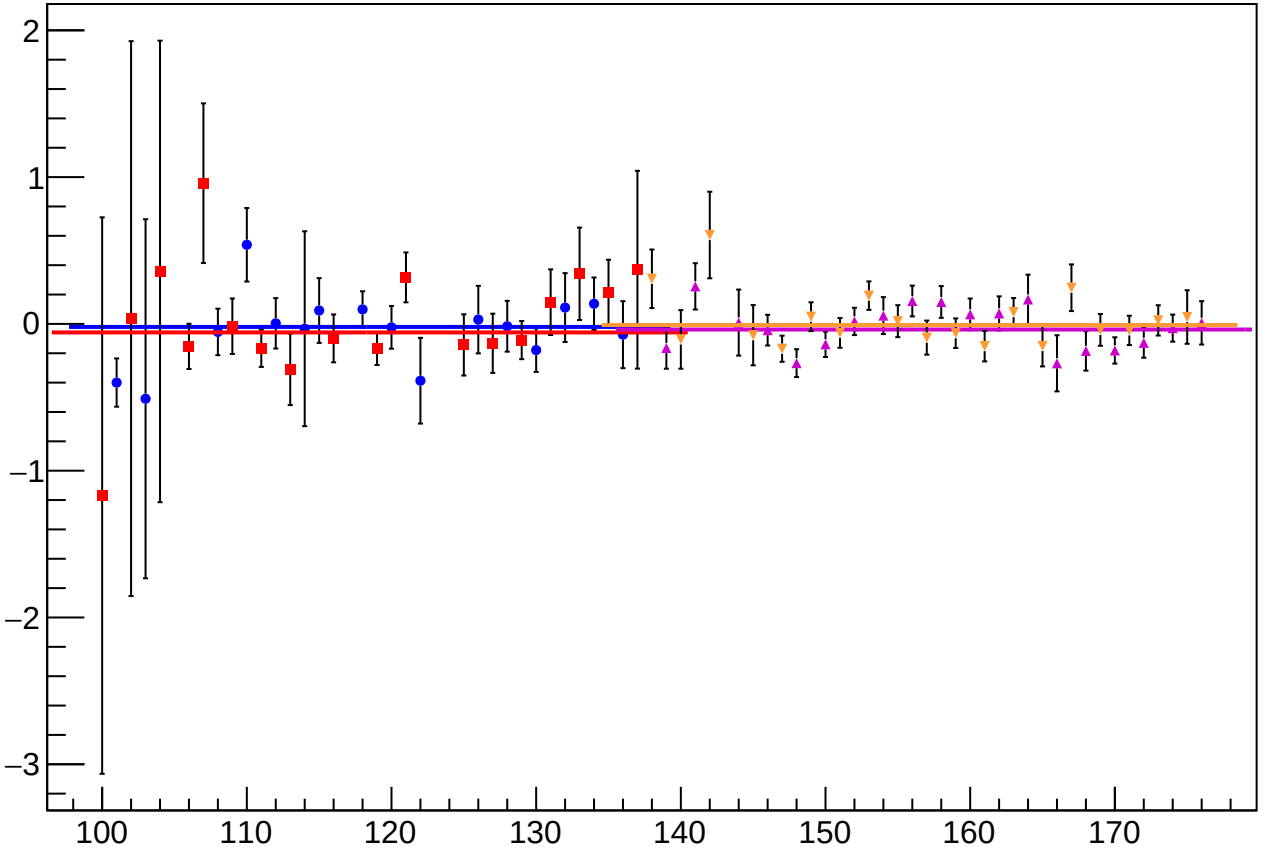
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.908+/-0.016 χ^2/NDF:3405241.9/34

Out: 97.720+/-0.016 χ^2/NDF:4524055.3/36

All: 98.324+/-0.012 χ^2/NDF: 7931938.6/71

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: -0.008+/-0.027 χ^2/NDF:23.1/18

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.023+/-0.019 χ^2/NDF: 51.9/37

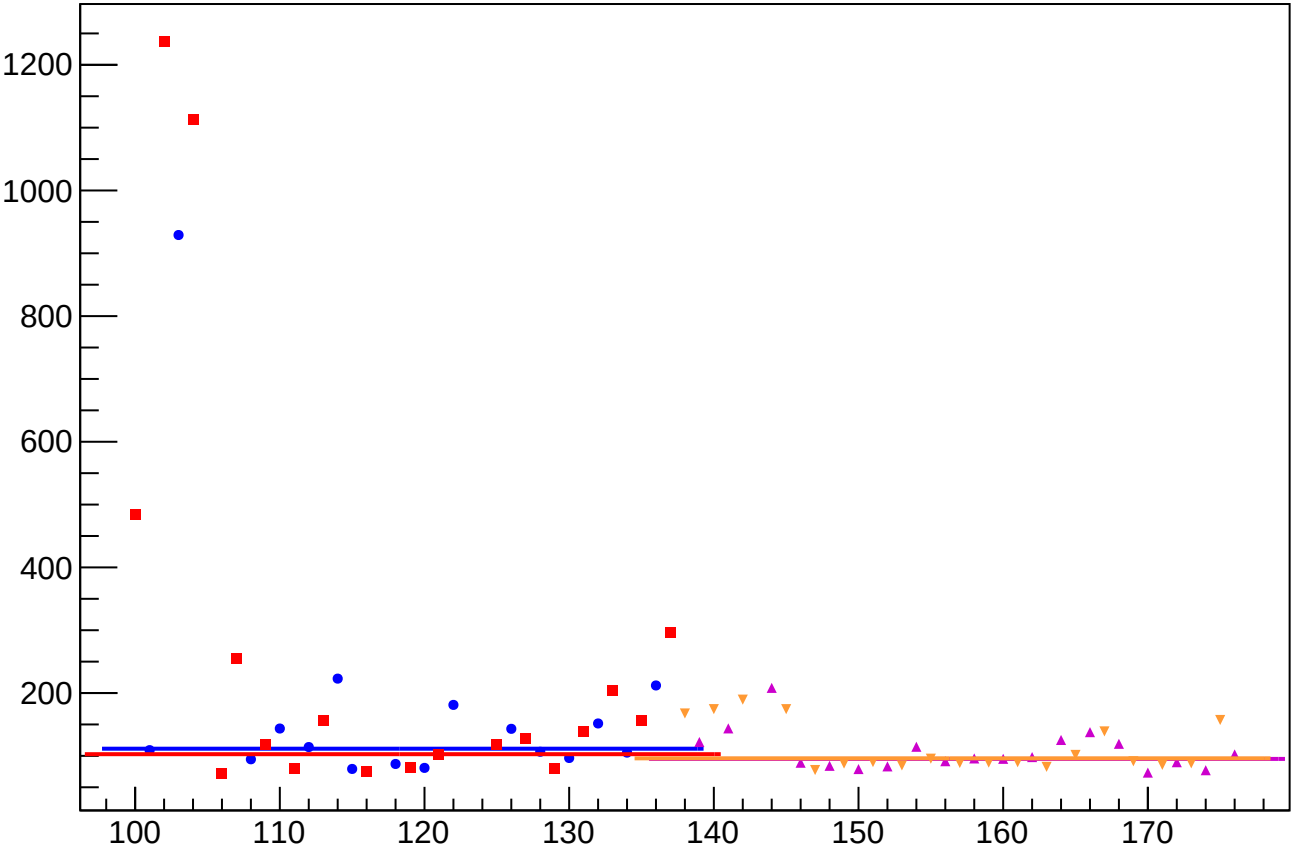
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.020+/-0.023 χ^2/NDF:40.8/36

All: -0.027+/-0.016 χ^2/NDF: 84.9/71

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: 96.053+/-0.019 χ^2/NDF:1666774.8/18

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.142+/-0.018 χ^2/NDF:1386671.2/18

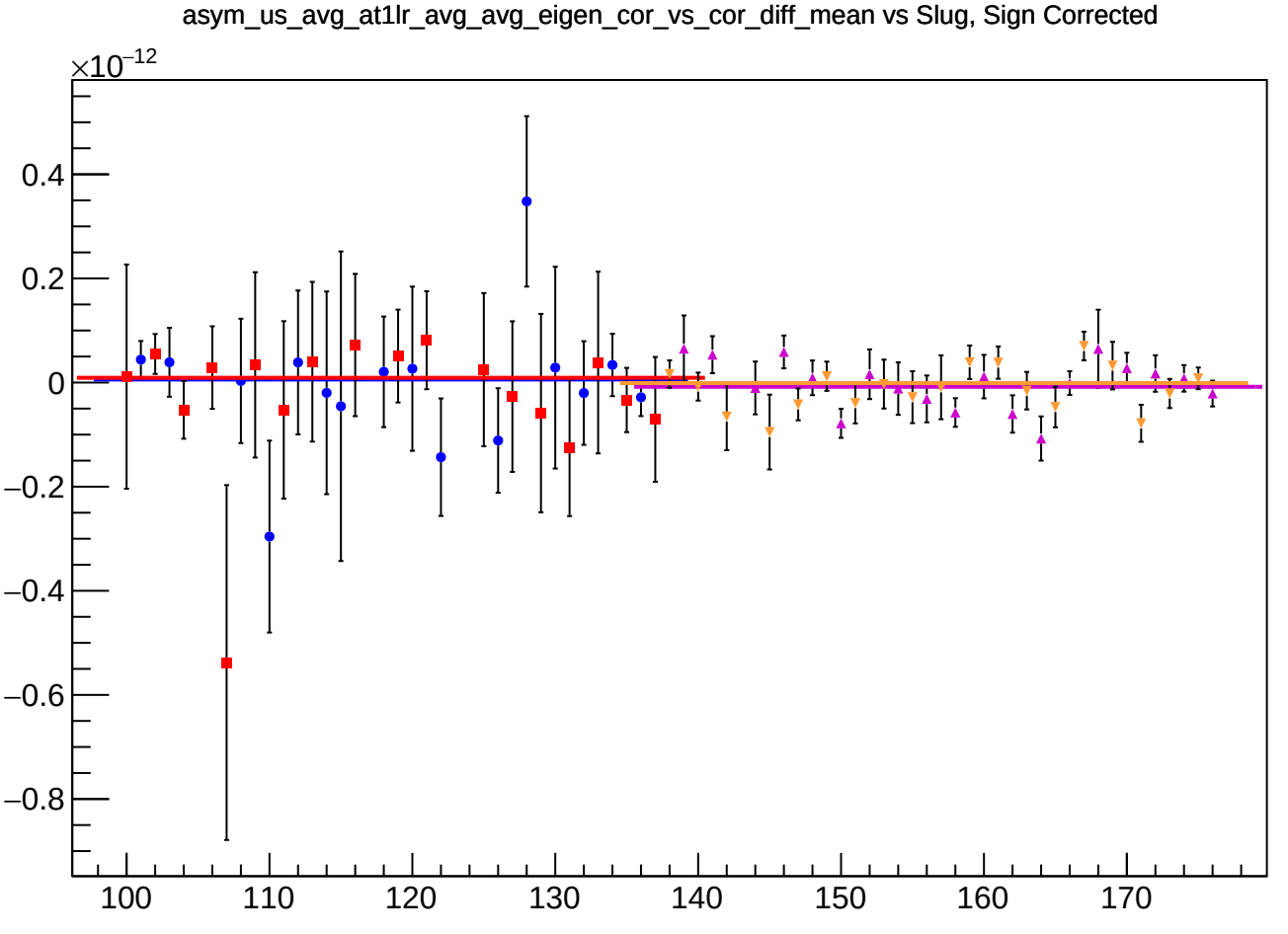
Left: 95.584+/-0.013 χ^2/NDF: 3054624.8/37

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

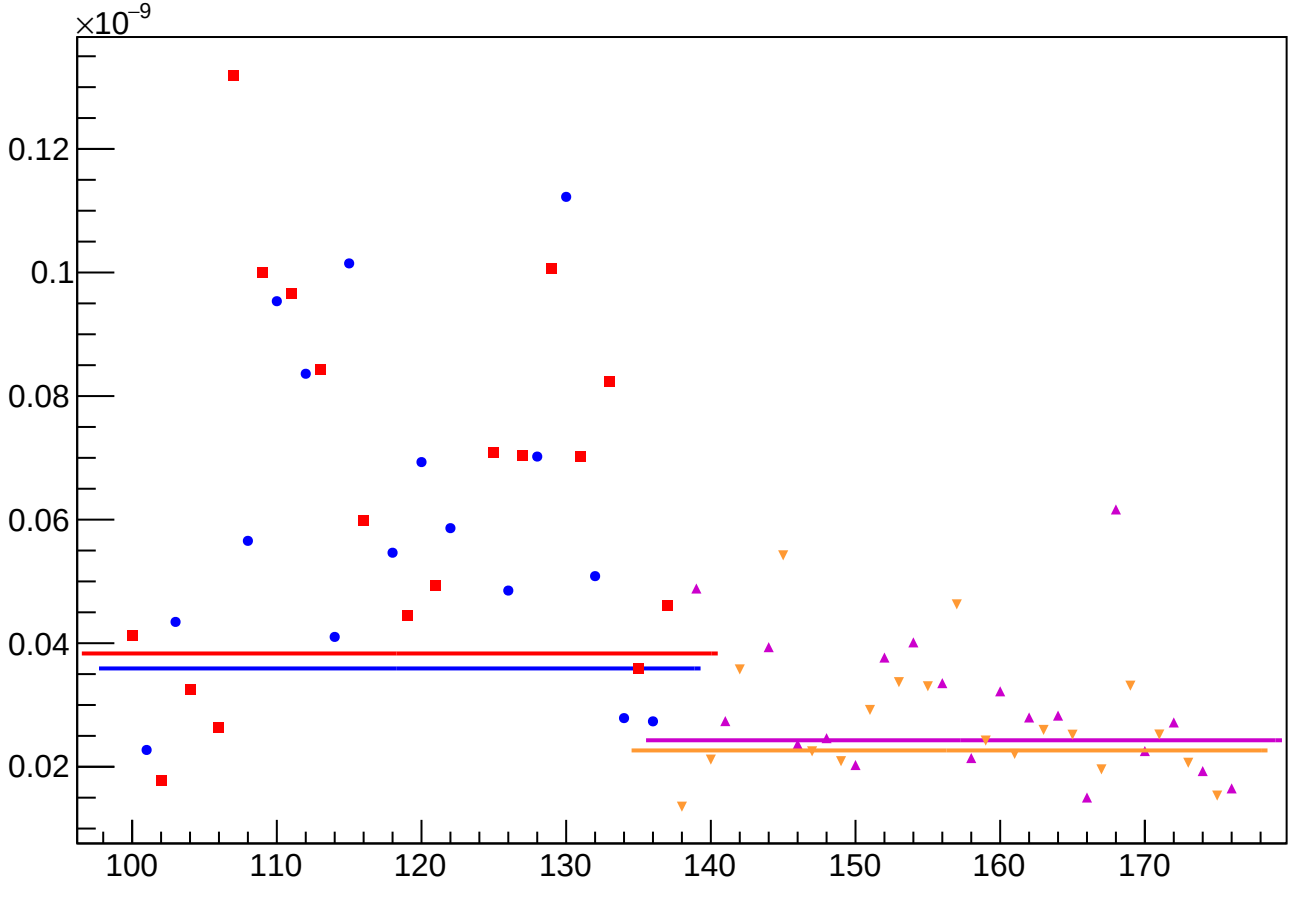
In: 98.908+/-0.016 χ^2/NDF:3405241.9/34

Out: 97.720+/-0.016 χ^2/NDF:4524055.3/36

All: 98.324+/-0.012 χ^2/NDF: 7931938.6/71


asym_us_avg_at1lr_avg_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: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:23.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:30.8/18
Left: -0.000+/-0.000 χ²/NDF: 55.1/37
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:44.1/34
Out: 0.000+/-0.000 χ²/NDF:32.8/36
All: -0.000+/-0.000 χ²/NDF: 77.3/71

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:1703204.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2225826.4/18

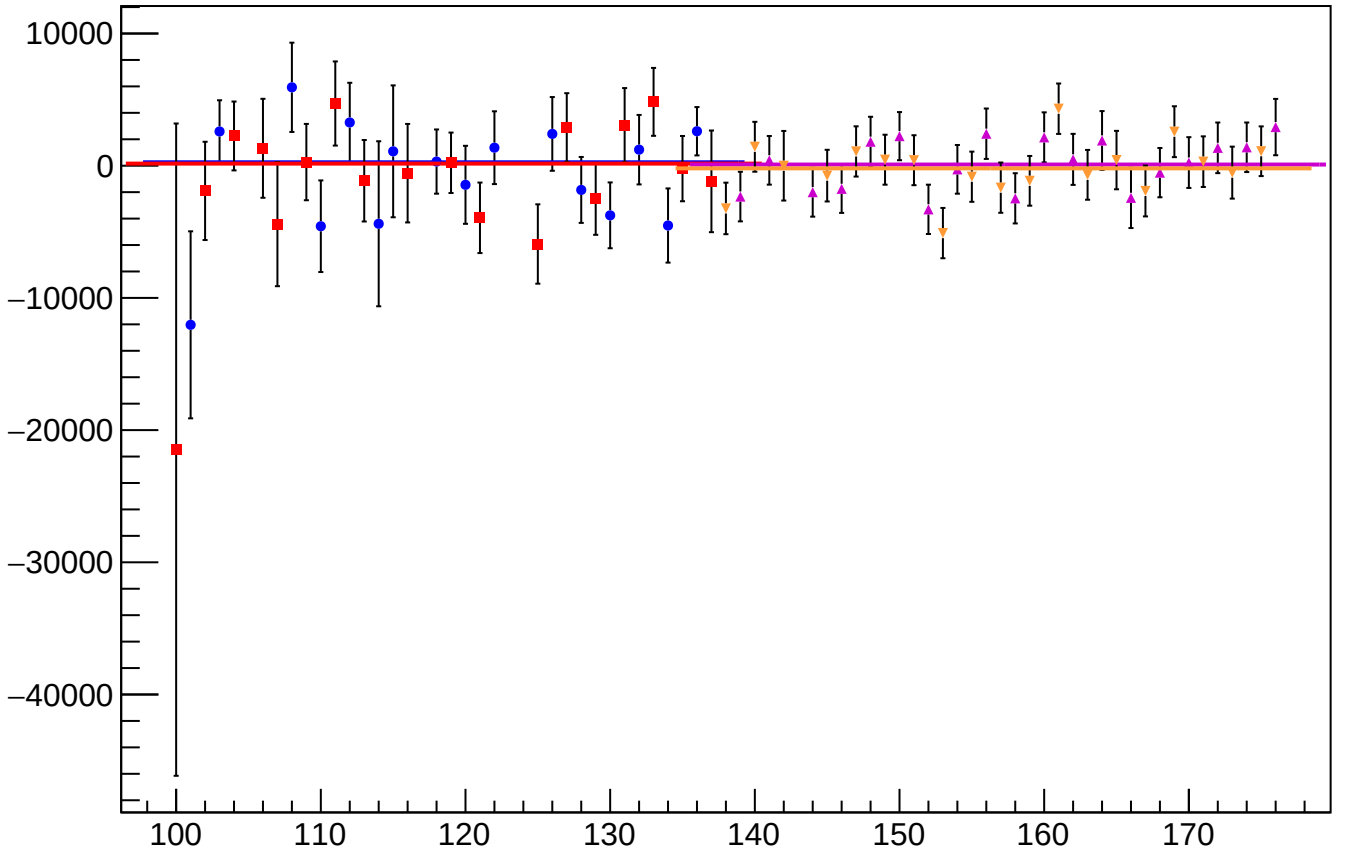
Left: 0.000+/-0.000 χ^2/NDF: 3974255.6/37

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4615349.8/34

Out: 0.000+/-0.000 χ^2/NDF:4842273.9/36

All: 0.000+/-0.000 χ^2/NDF: 9503092.6/71



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.669+/-446.476 χ^2/NDF:20.7/18

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: 88.754+/-439.876 χ^2/NDF:18.8/18

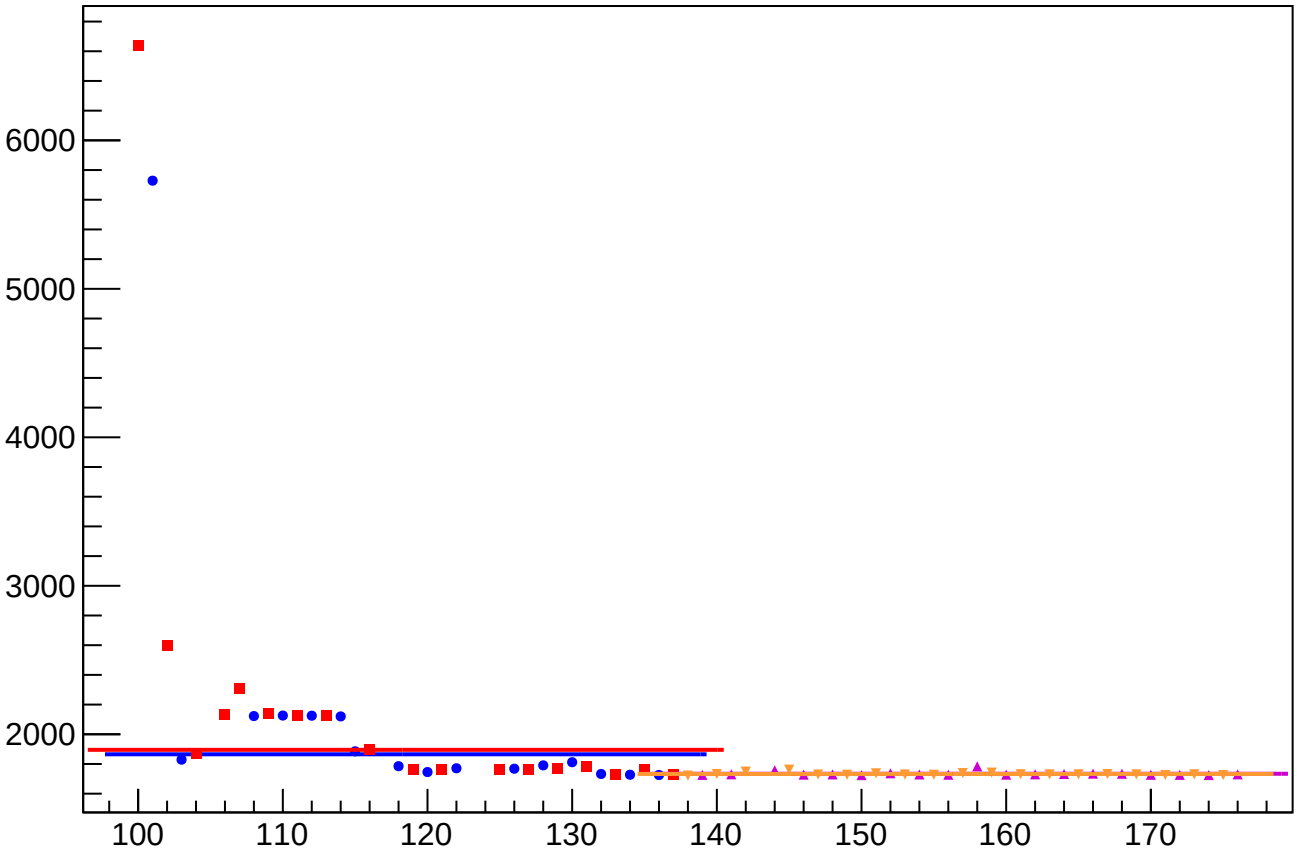
Left: -53.802+/-313.347 χ^2/NDF: 39.7/37

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 136.143+/-373.884 χ^2/NDF:38.2/34

Out: -99.128+/-378.305 χ^2/NDF:39.0/36

All: 19.890+/-265.925 χ^2/NDF: 77.4/71



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

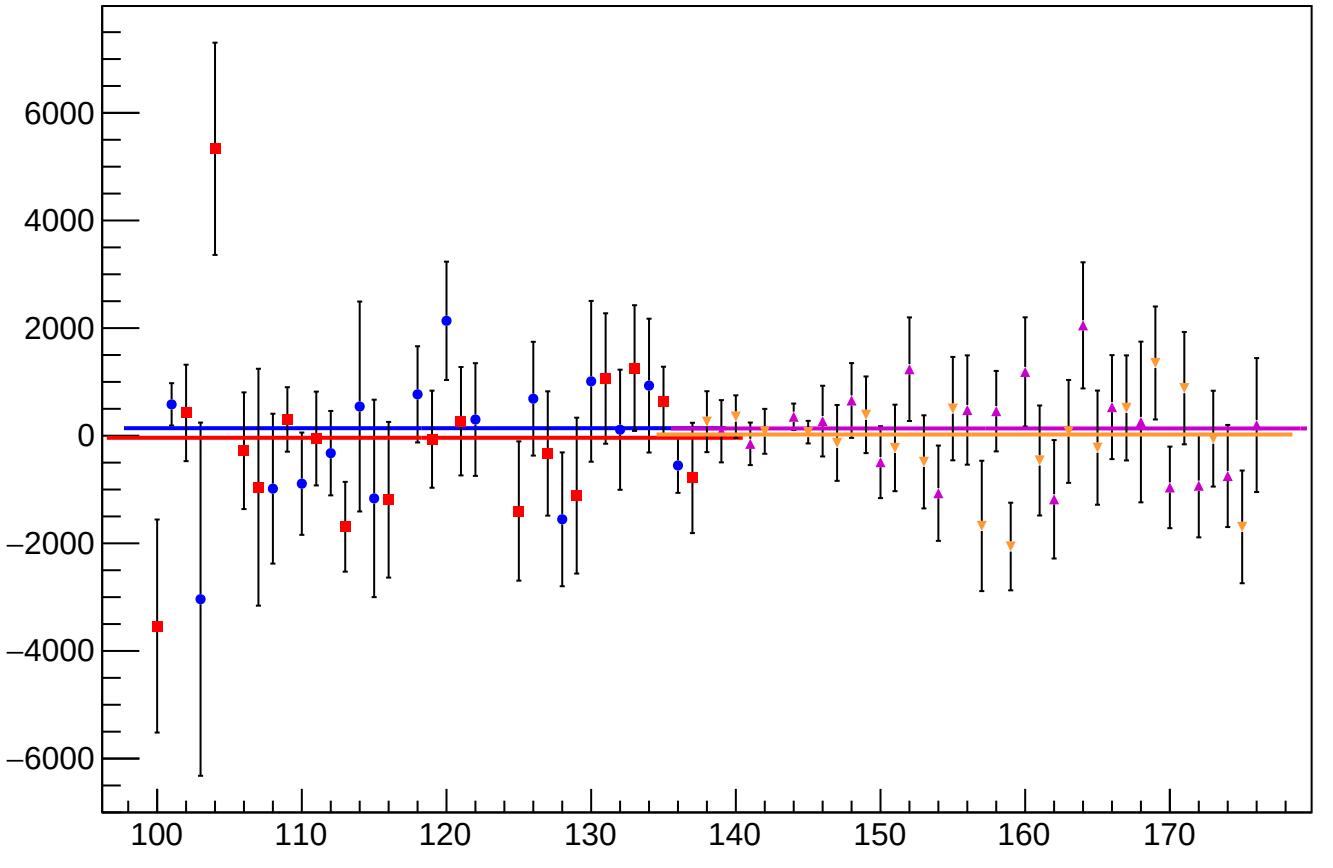
Left: 1733.409+/-0.222 χ^2/NDF: 2798.1/37

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1770.479+/-0.264 χ^2/NDF:724019.8/34

Out: 1778.544+/-0.268 χ^2/NDF:326360.6/36

All: 1774.464+/-0.188 χ^2/NDF: 1050840.2/71



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 22.720+/-133.552 χ^2/NDF:16.0/18

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 134.984+/-146.796 χ^2/NDF:15.8/18

Left: 73.560+/-98.787 χ^2/NDF: 32.1/37

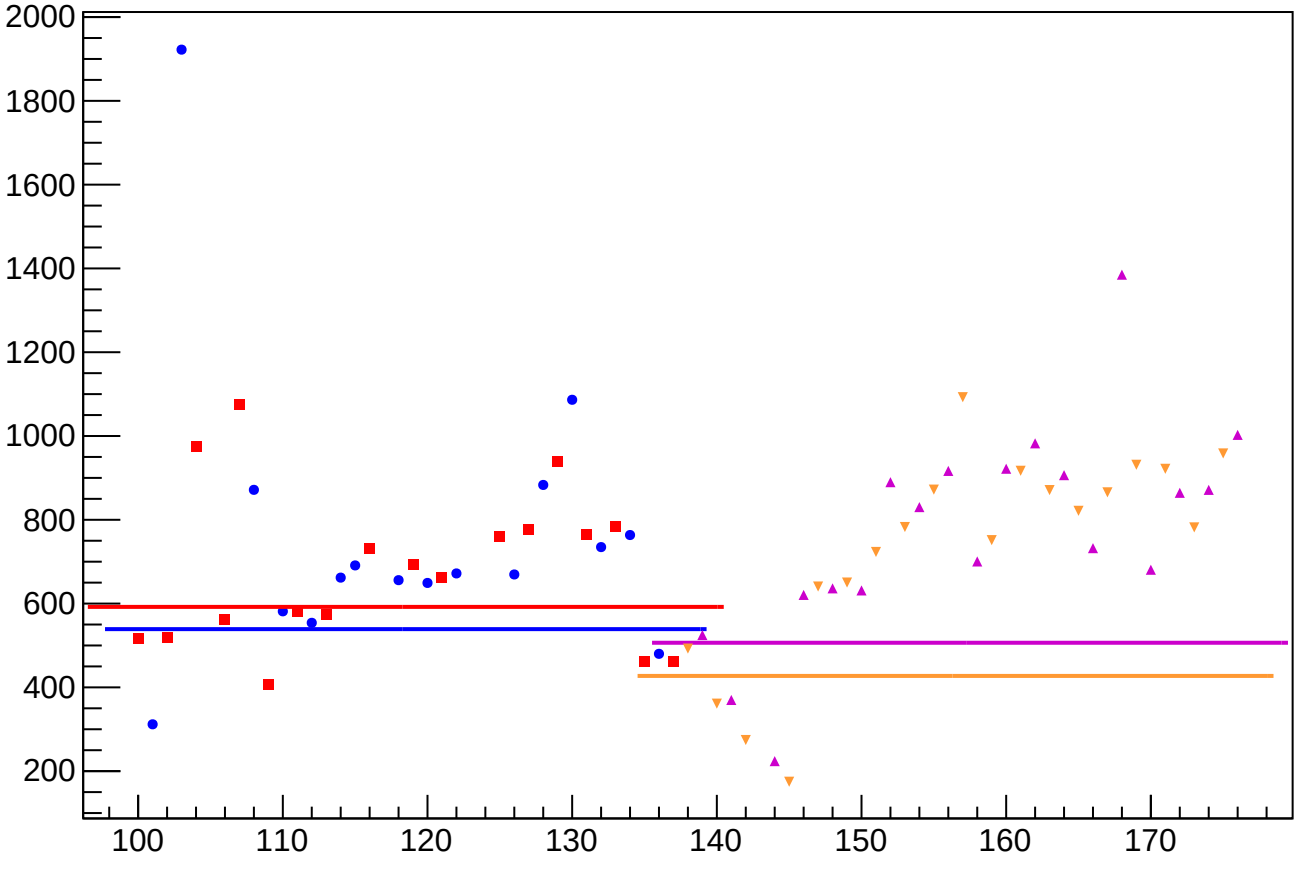
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 136.466+/-122.126 χ^2/NDF:29.2/34

Out: 8.052+/-116.498 χ^2/NDF:37.4/36

All: 69.232+/-84.296 χ^2/NDF: 67.2/71

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: 427.327+/-0.094 χ^2/NDF:8891808.6/18

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 506.487+/-0.104 χ^2/NDF:6886290.1/18

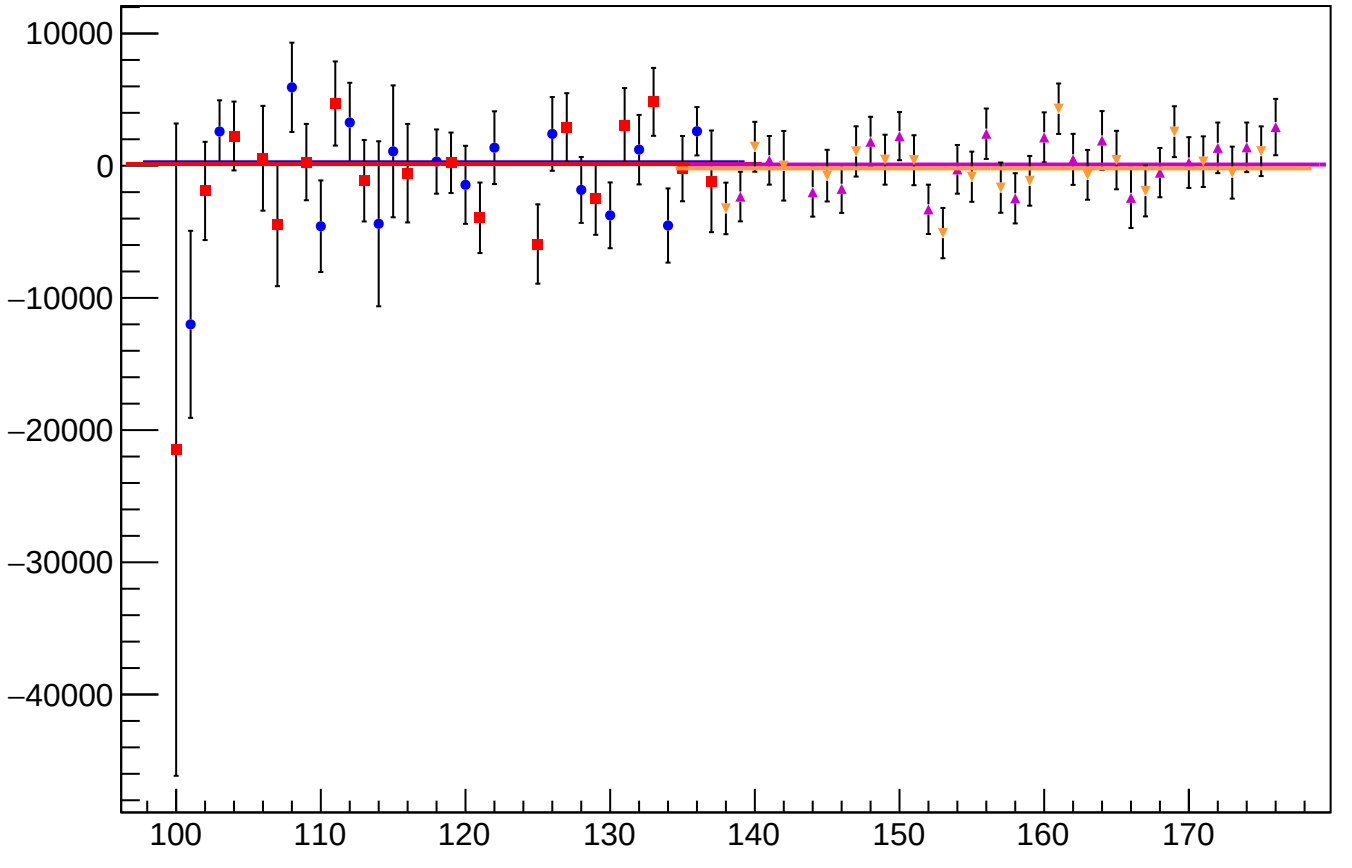
Left: 463.176+/-0.070 χ^2/NDF: 16096300.5/37

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 516.502+/-0.086 χ^2/NDF:8771102.5/34

Out: 466.723+/-0.082 χ^2/NDF:10462759.2/36

All: 490.439+/-0.060 χ^2/NDF: 19407837.3/71



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 88.708+/-439.876 χ^2/NDF:18.8/18

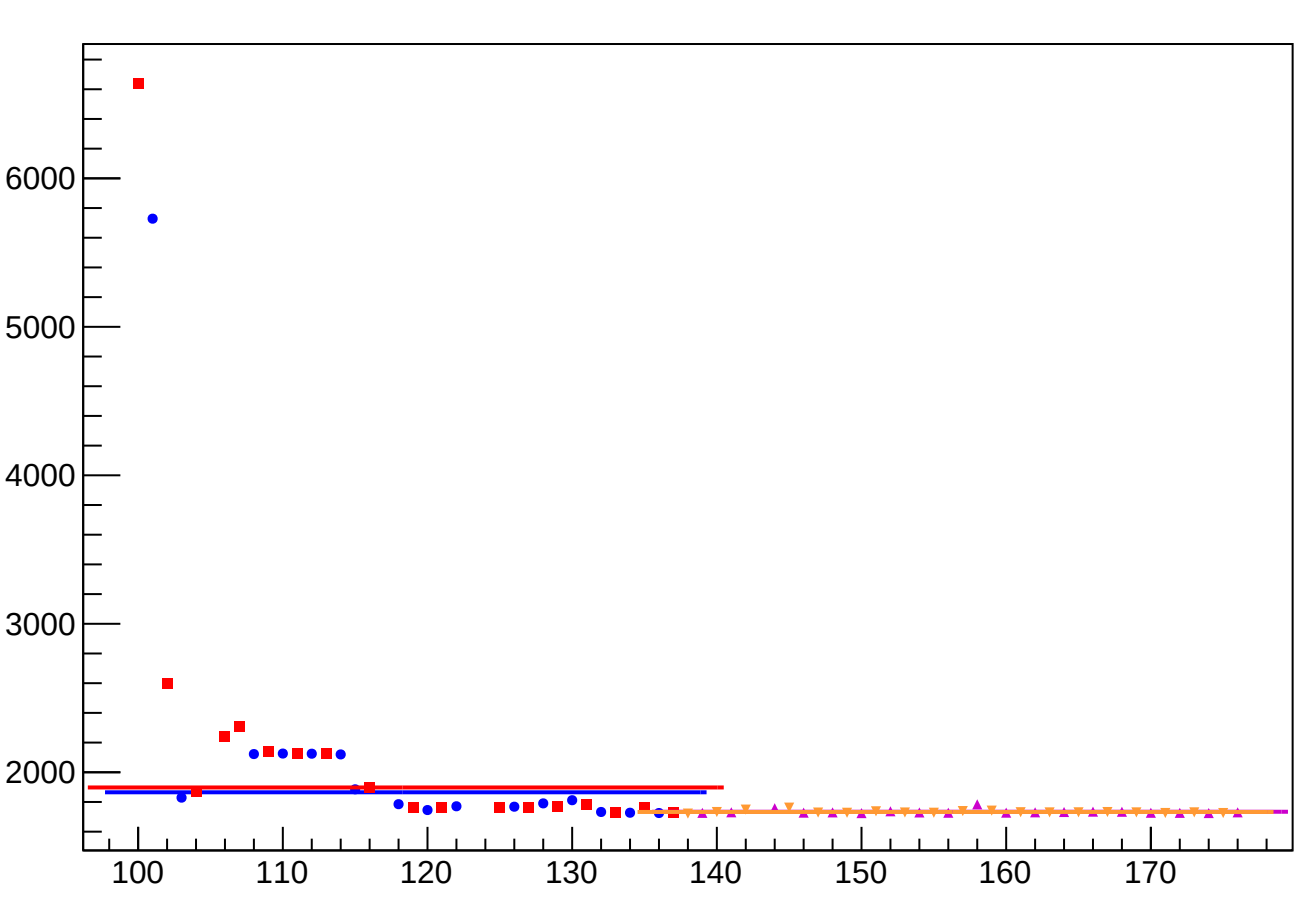
Left: -53.807+/-313.347 χ^2/NDF: 39.7/37

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 136.162+/-373.884 χ^2/NDF:38.2/34

Out: -107.624+/-378.516 χ^2/NDF:38.8/36

All: 15.770+/-265.998 χ^2/NDF: 77.3/71



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

Left: 1733.409+/-0.222 χ^2/NDF: 2798.1/37

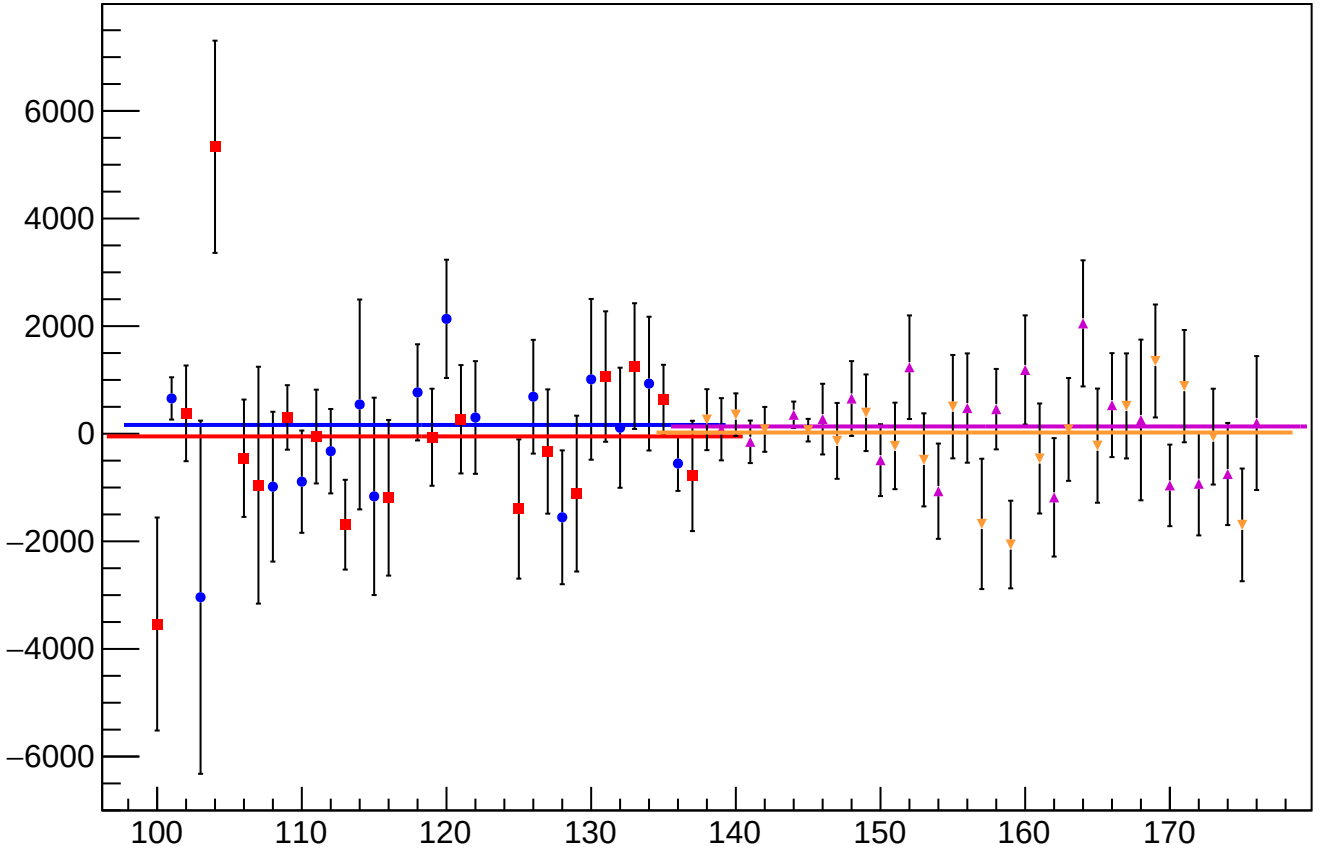
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1770.479+/-0.264 χ^2/NDF:724019.6/34

Out: 1779.103+/-0.268 χ^2/NDF:335342.1/36

All: 1774.738+/-0.188 χ^2/NDF: 1059887.3/71

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.962+/-146.797 χ^2/NDF:15.8/18

Left: 73.486+/-98.788 χ^2/NDF: 32.1/37

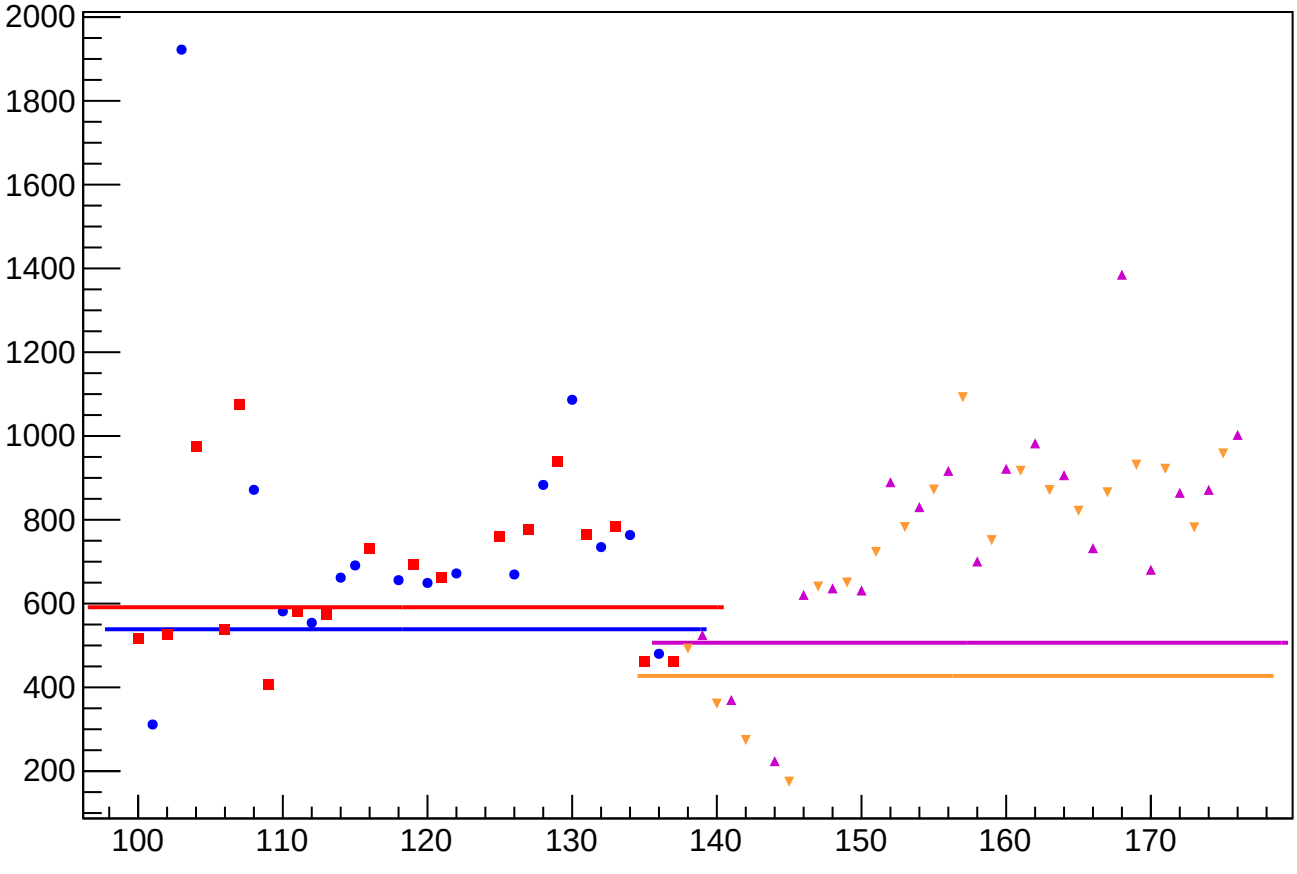
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.644+/-122.113 χ^2/NDF:29.7/34

Out: 5.328+/-116.492 χ^2/NDF:37.5/36

All: 71.230+/-84.290 χ^2/NDF: 67.9/71

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: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

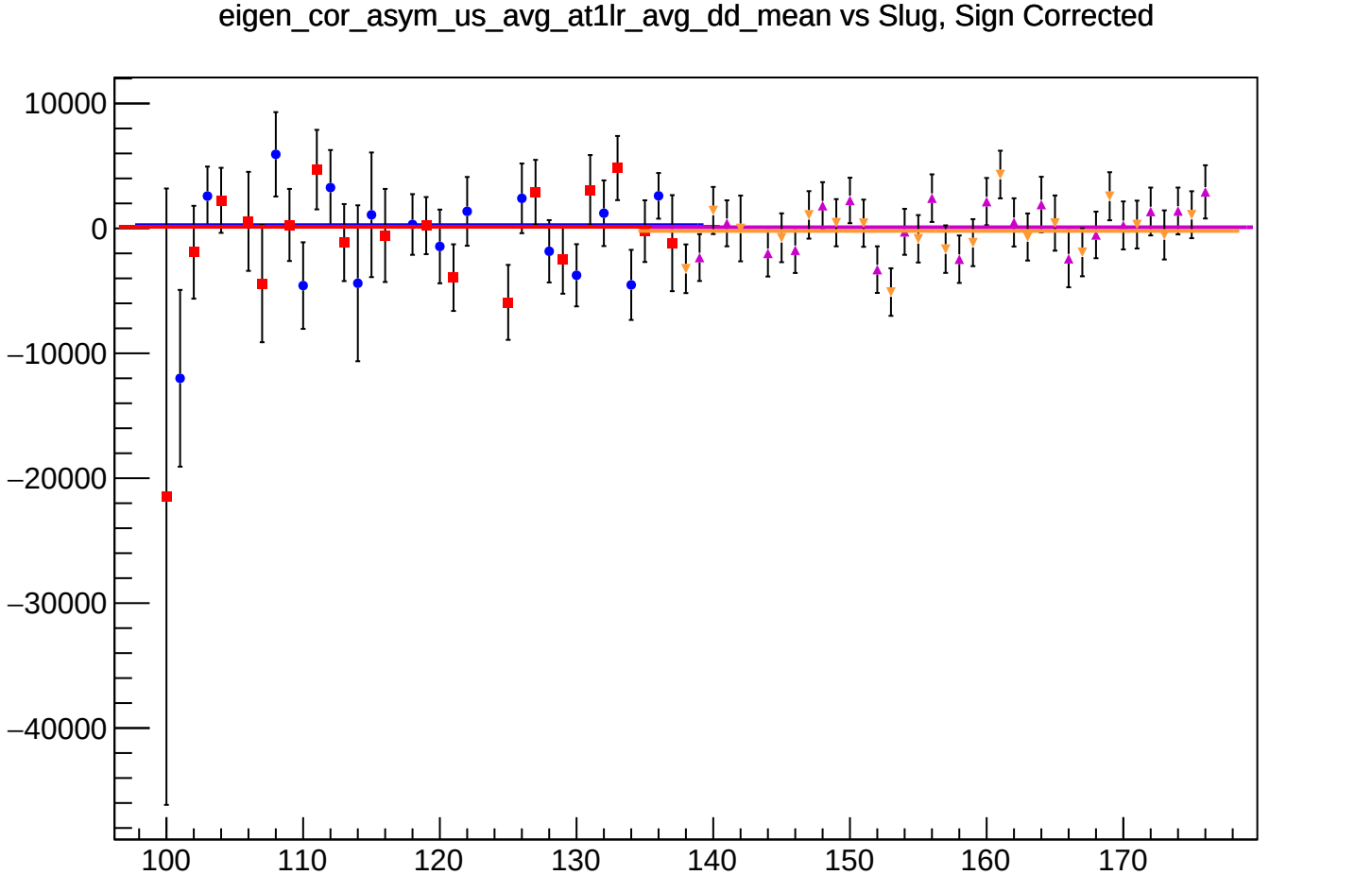
Left: 463.185+/-0.070 χ^2/NDF: 16095482.7/37

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 516.416+/-0.086 χ^2/NDF:8774387.5/34

Out: 466.539+/-0.082 χ^2/NDF:10456476.4/36

All: 490.303+/-0.060 χ^2/NDF: 19405545.4/71



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -200.631+/-446.476 χ^2/NDF:20.7/18

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 88.708+/-439.876 χ^2/NDF:18.8/18

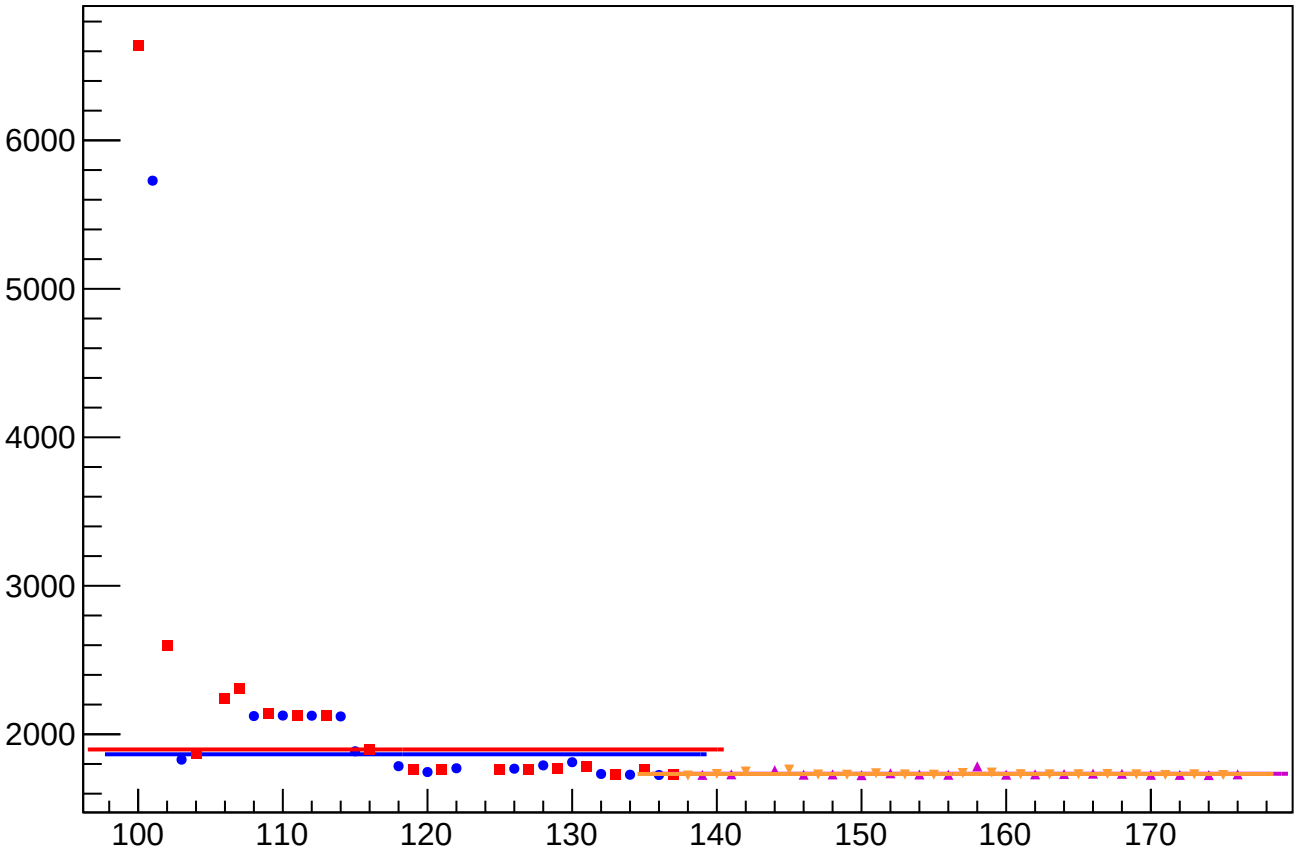
Left: -53.807+/-313.347 χ^2/NDF: 39.7/37

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 136.162+/-373.884 χ^2/NDF:38.2/34

Out: -107.624+/-378.516 χ^2/NDF:38.8/36

All: 15.770+/-265.998 χ^2/NDF: 77.3/71



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.693+/-0.316 χ^2/NDF:774.5/18

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

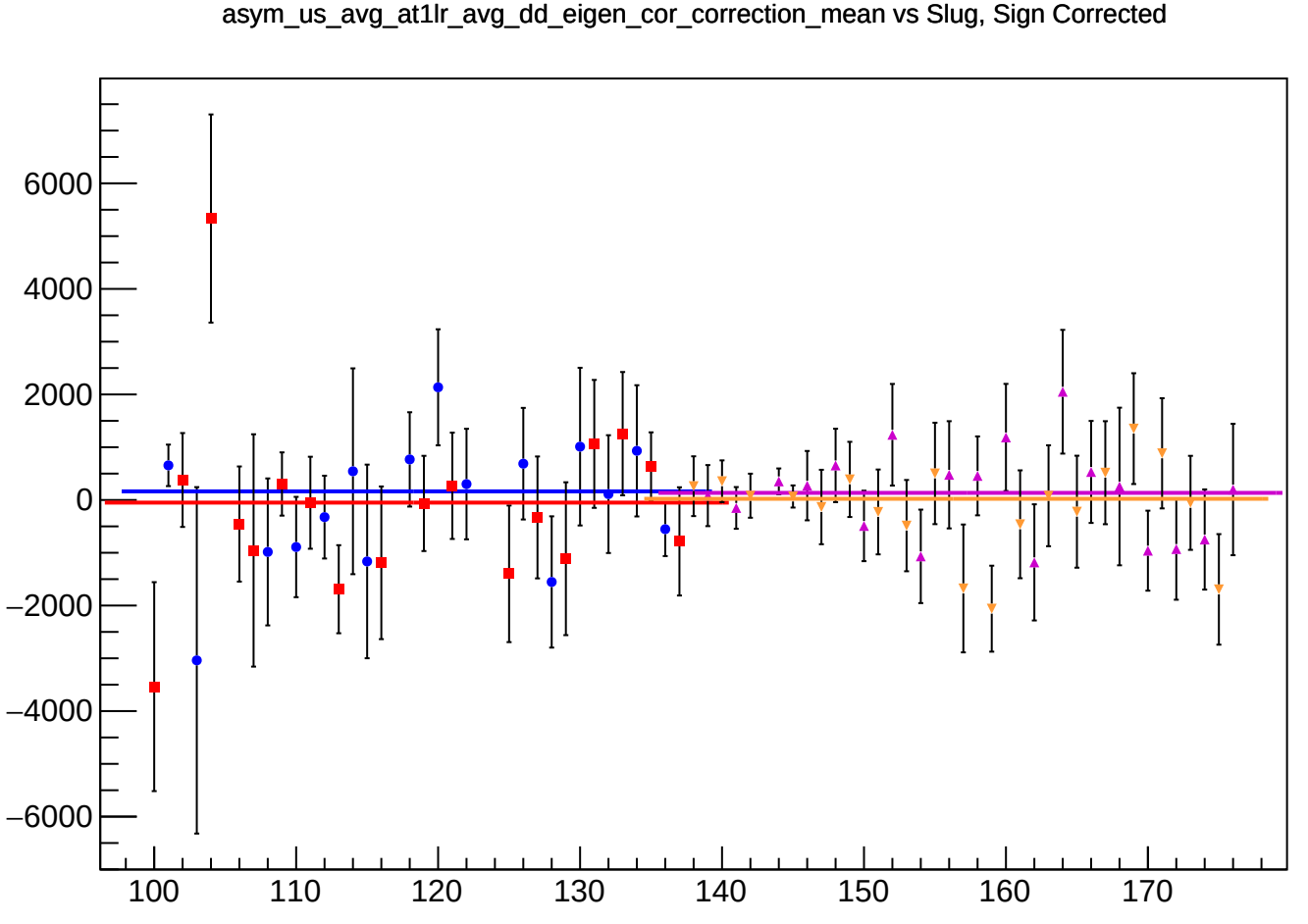
Left: 1733.409+/-0.222 χ^2/NDF: 2798.1/37

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1770.479+/-0.264 χ^2/NDF:724019.6/34

Out: 1779.103+/-0.268 χ^2/NDF:335342.1/36

All: 1774.738+/-0.188 χ^2/NDF: 1059887.3/71



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 22.601+/-133.554 χ^2/NDF:16.0/18

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.962+/-146.797 χ^2/NDF:15.8/18

Left: 73.486+/-98.788 χ^2/NDF: 32.1/37

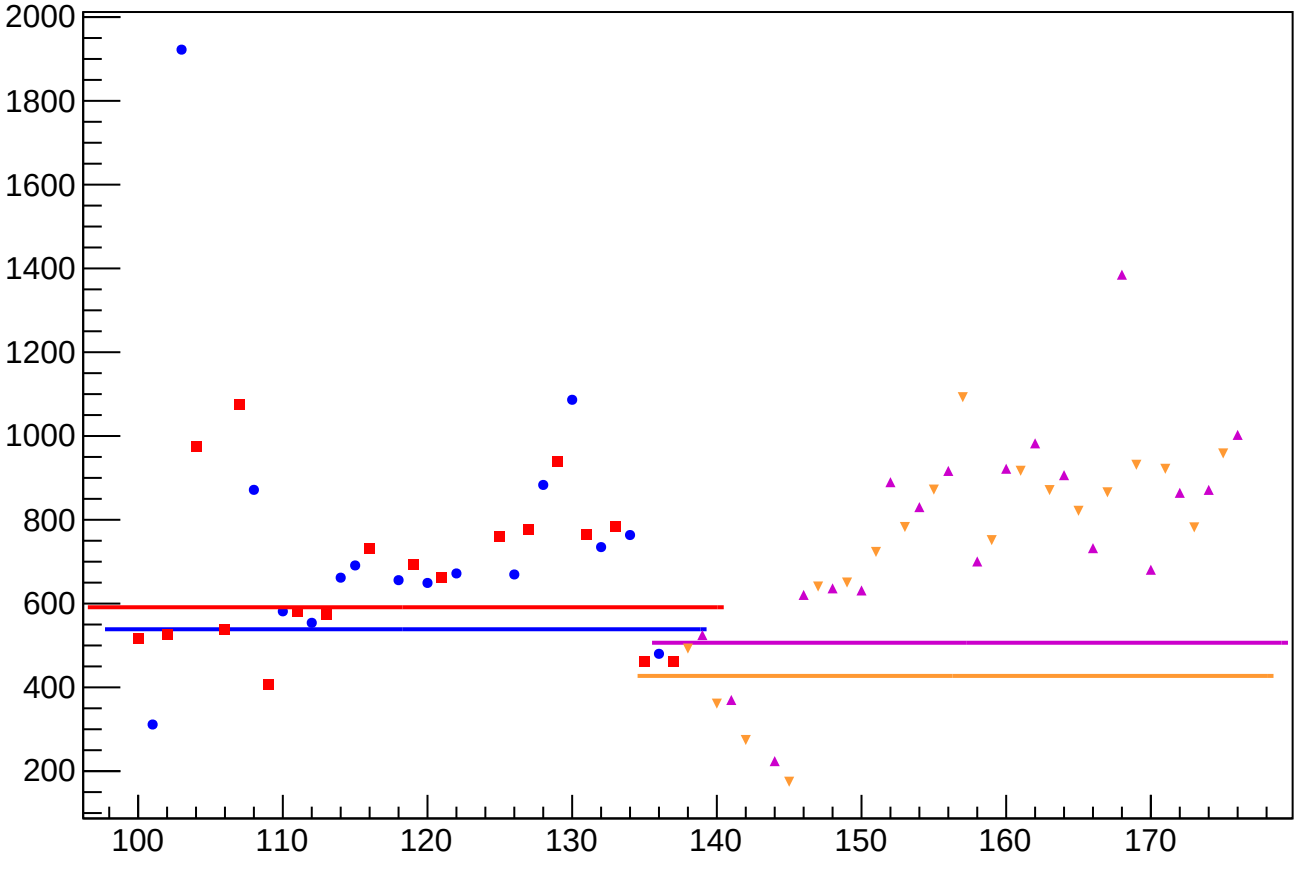
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.644+/-122.113 χ^2/NDF:29.7/34

Out: 5.328+/-116.492 χ^2/NDF:37.5/36

All: 71.230+/-84.290 χ^2/NDF: 67.9/71

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 427.337+/-0.094 χ^2/NDF:8891464.7/18

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

Left: 463.185+/-0.070 χ^2/NDF: 16095482.7/37

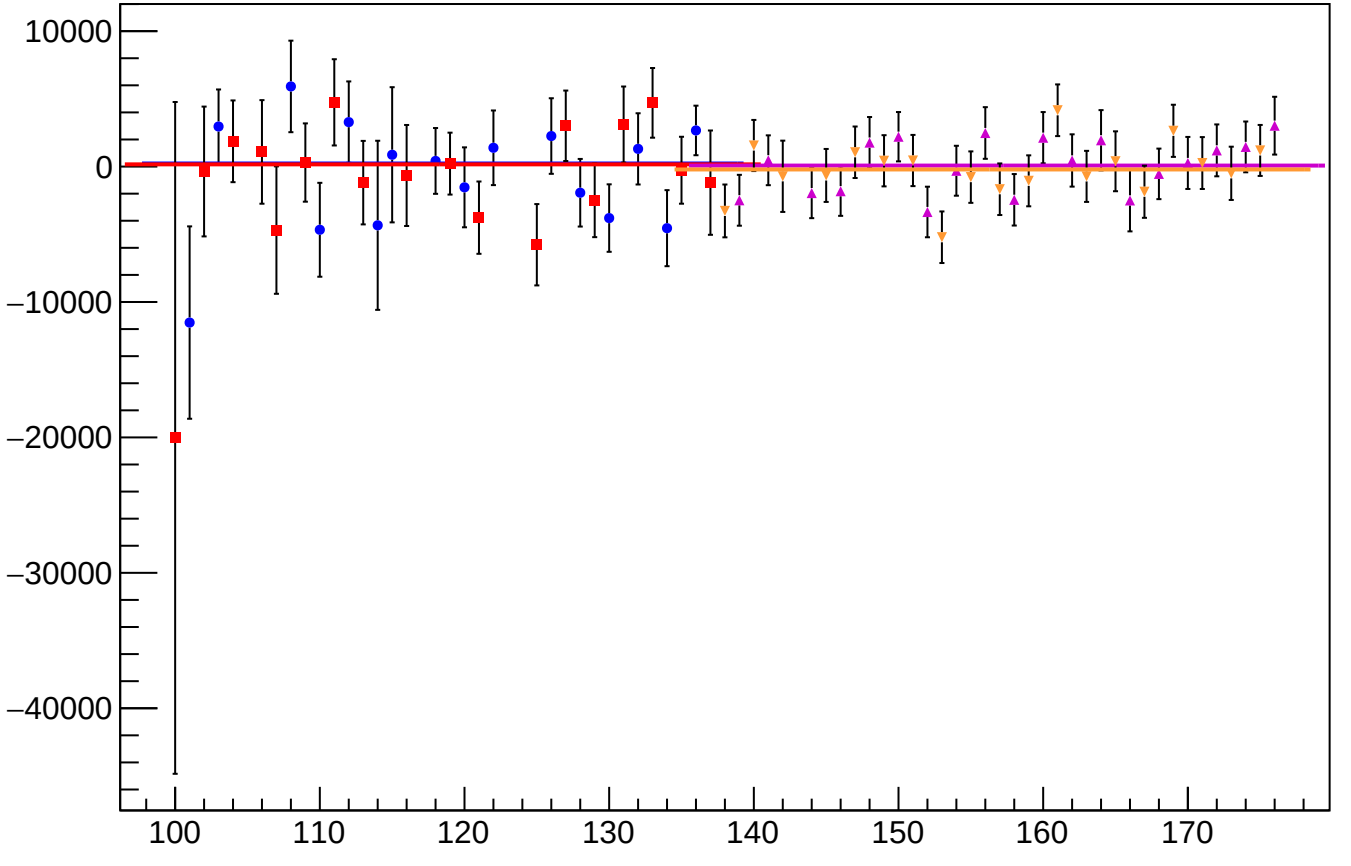
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 516.416+/-0.086 χ^2/NDF:8774387.5/34

Out: 466.539+/-0.082 χ^2/NDF:10456476.4/36

All: 490.303+/-0.060 χ^2/NDF: 19405545.4/71

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -213.120+/-446.789 χ^2/NDF:20.9/18

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 73.215+/-440.175 χ^2/NDF:19.2/18

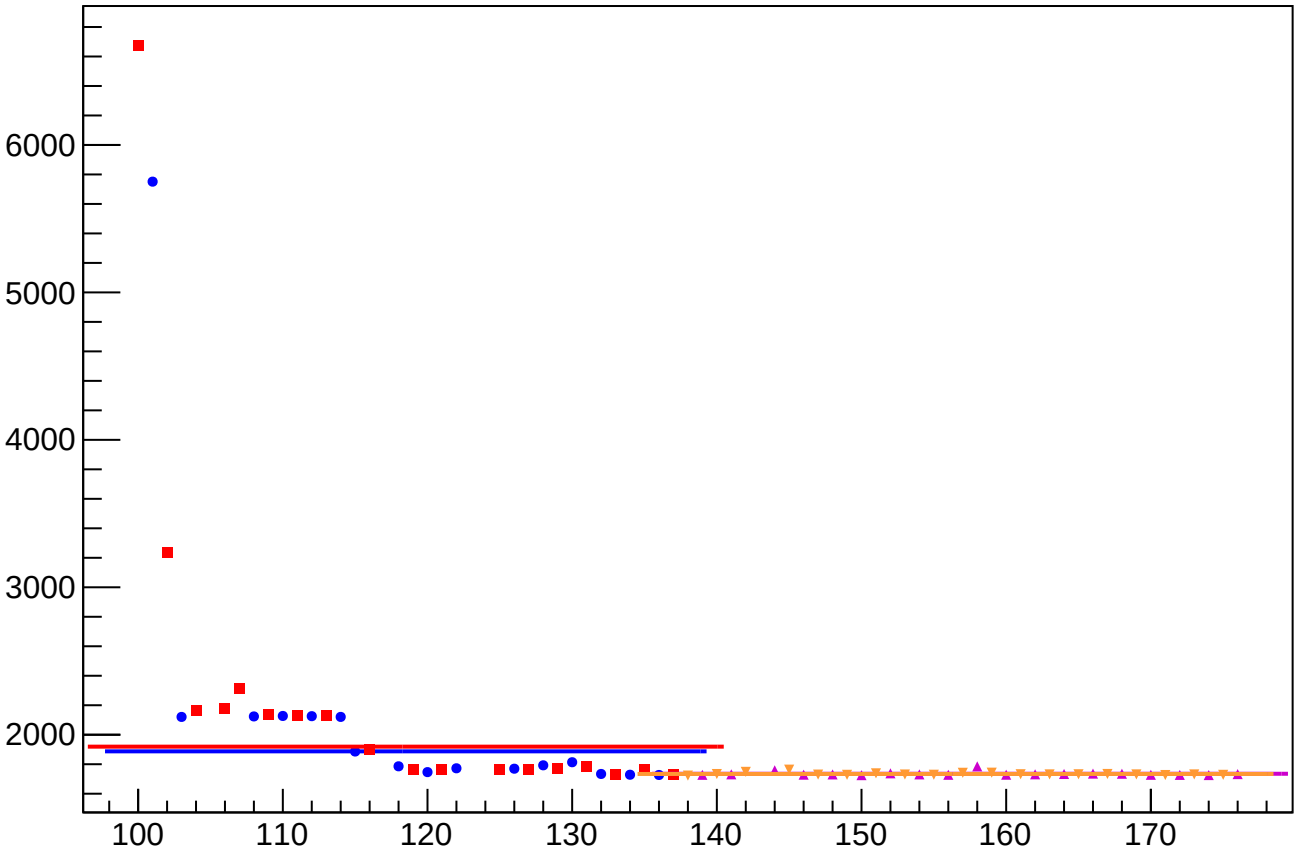
Left: -67.817+/-313.563 χ^2/NDF: 40.3/37

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 114.967+/-375.348 χ^2/NDF:38.7/34

Out: -109.564+/-380.478 χ^2/NDF:38.1/36

All: 4.225+/-267.206 χ^2/NDF: 76.9/71



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

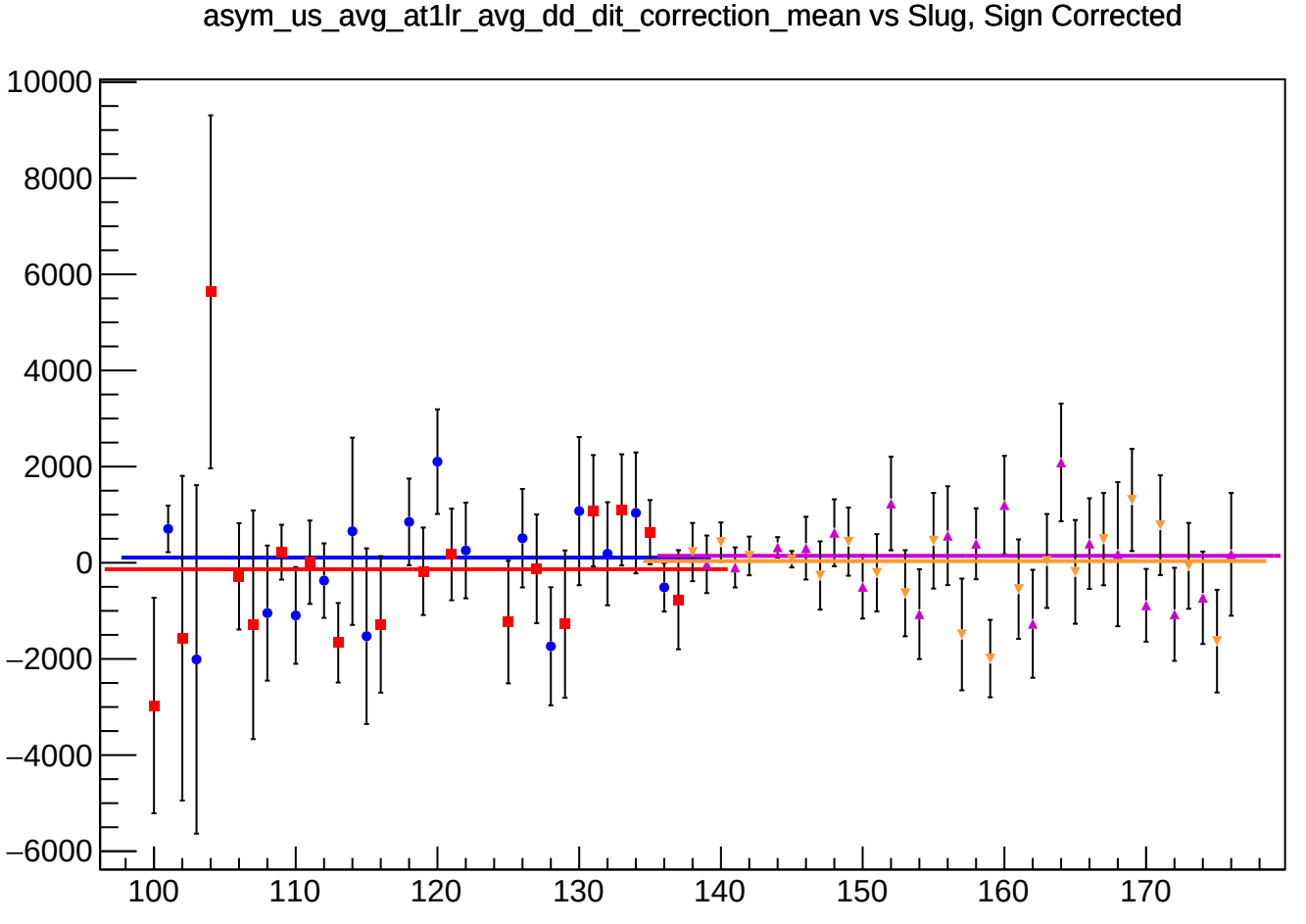
Left: 1734.606+/-0.222 χ^2/NDF: 2794.5/37

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

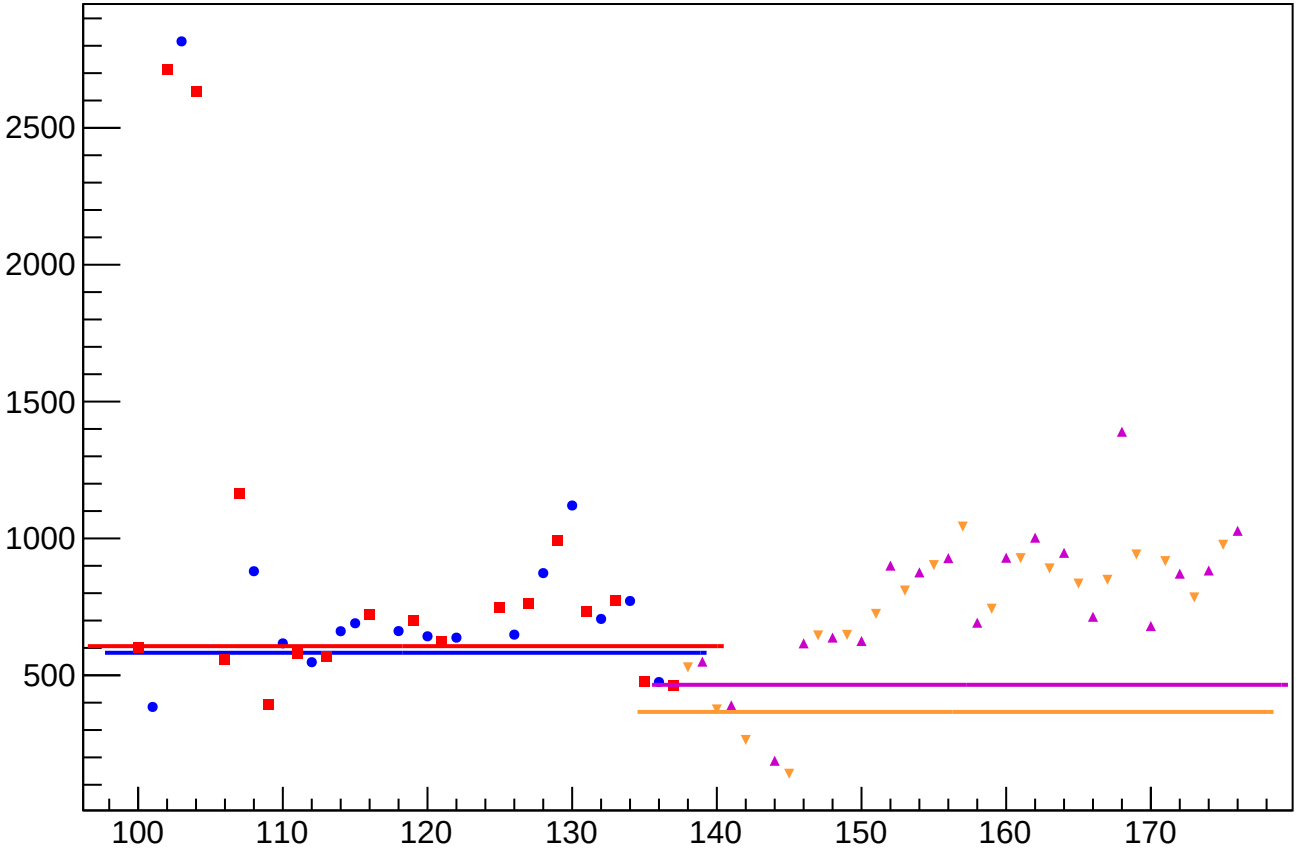
In: 1776.766+/-0.265 χ^2/NDF:756550.5/34

Out: 1784.817+/-0.269 χ^2/NDF:447834.4/36

All: 1780.737+/-0.189 χ^2/NDF: 1204838.8/71


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 108.131+/-231.711 χ²/NDF: 14.2/15
Left Out: 35.052+/-121.948 χ²/NDF:15.5/18
Right Out: -135.358+/-245.933 χ²/NDF: 14.4/17
Left In: 144.748+/-140.126 χ²/NDF:15.3/18
Left: 82.328+/-91.990 χ²/NDF: 31.2/37
Right: -6.369+/-168.648 χ²/NDF: 29.0/33
In: 134.943+/-119.906 χ²/NDF:29.5/34
Out: 1.422+/-109.254 χ²/NDF:30.2/36
All: 61.989+/-80.758 χ²/NDF: 60.4/71

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: 366.216+/-0.086 χ^2/NDF:11297508.7/18

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 465.208+/-0.099 χ^2/NDF:8610498.9/18

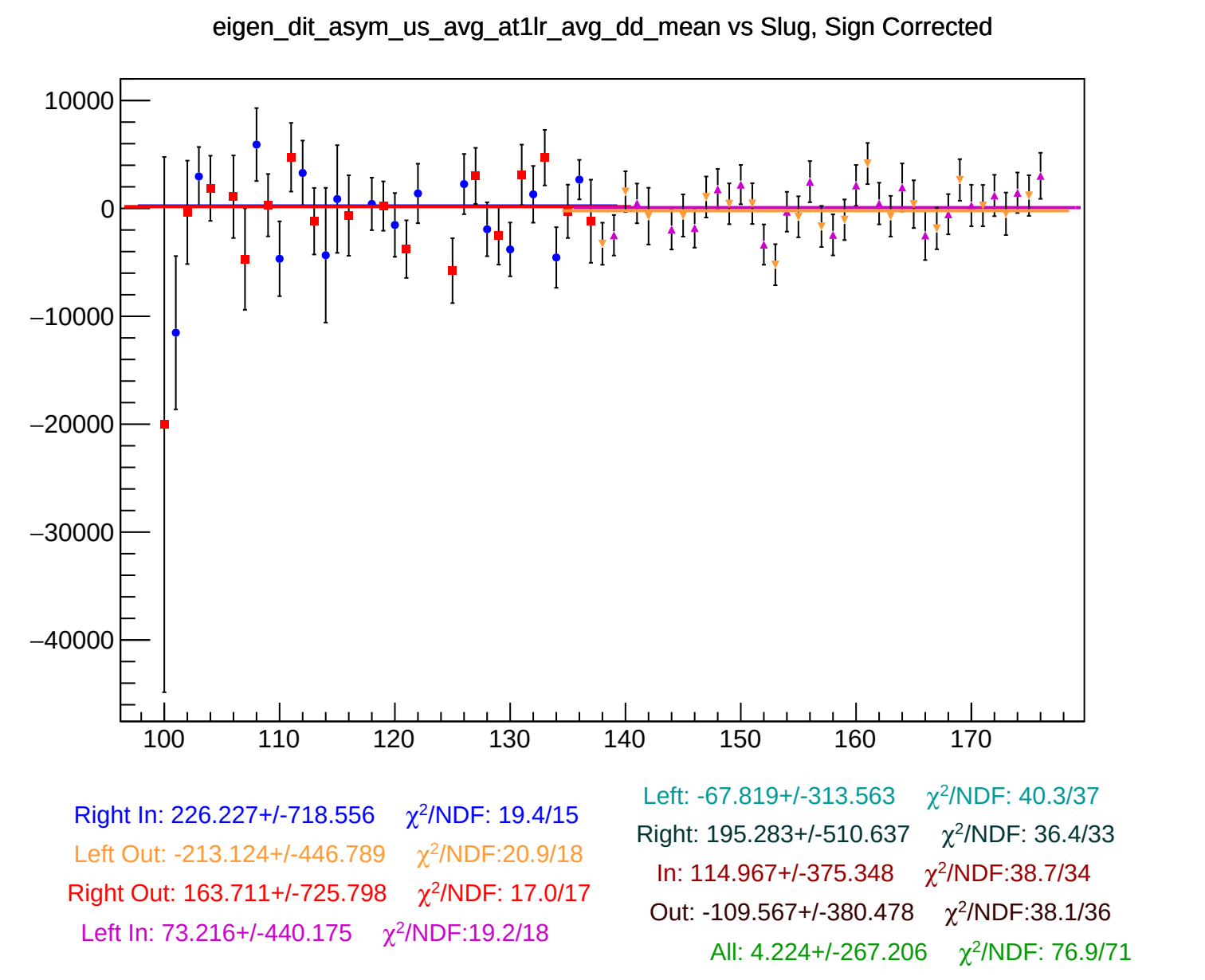
Left: 408.878+/-0.065 χ^2/NDF: 20475978.5/37

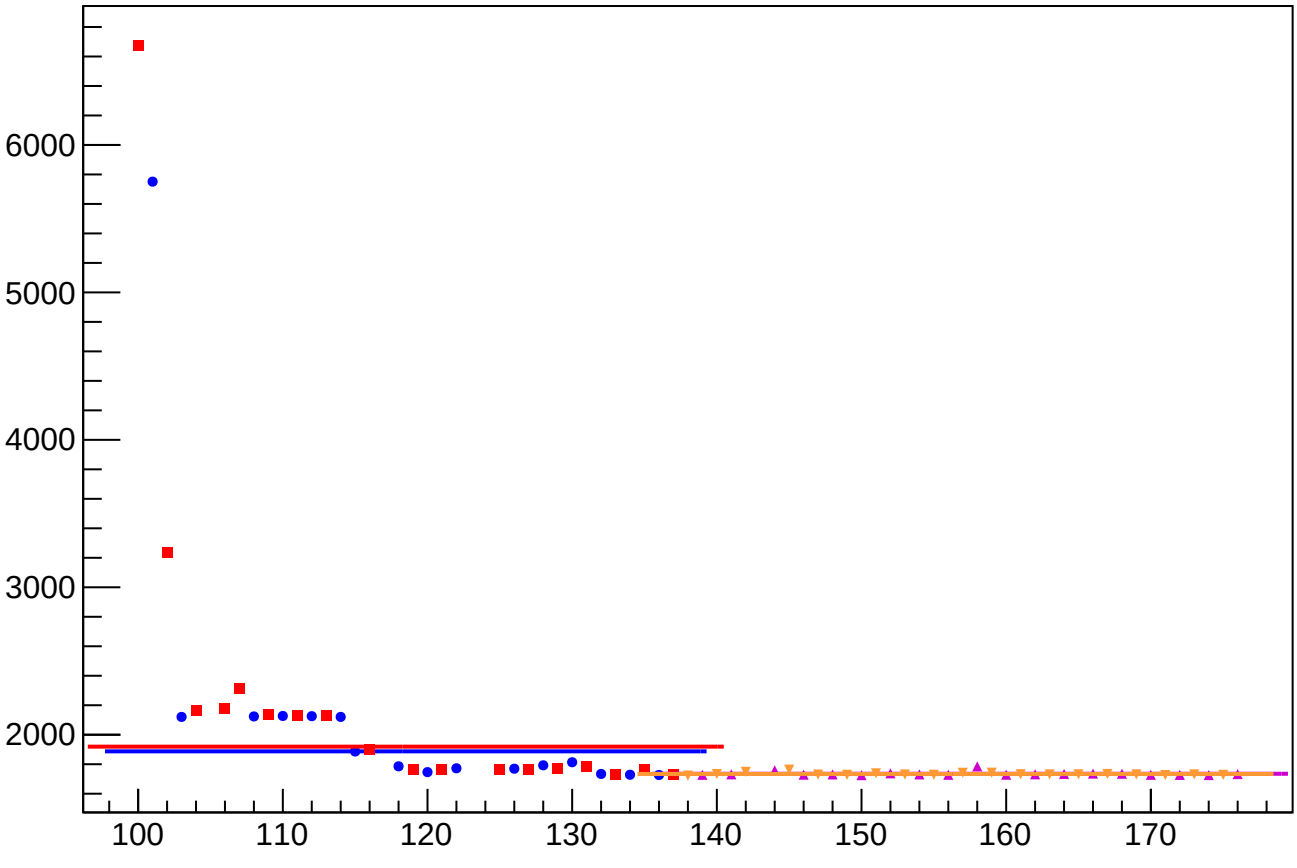
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 496.555+/-0.085 χ^2/NDF:10738574.0/34

Out: 413.627+/-0.077 χ^2/NDF:15027673.5/36

All: 451.245+/-0.057 χ^2/NDF: 26288954.3/71


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: -213.124+/-446.789 χ²/NDF:20.9/18
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: 73.216+/-440.175 χ²/NDF:19.2/18
Left: -67.819+/-313.563 χ²/NDF: 40.3/37
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: 114.967+/-375.348 χ²/NDF:38.7/34
Out: -109.567+/-380.478 χ²/NDF:38.1/36
All: 4.224+/-267.206 χ²/NDF: 76.9/71



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.907+/-0.316 χ^2/NDF:774.0/18

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

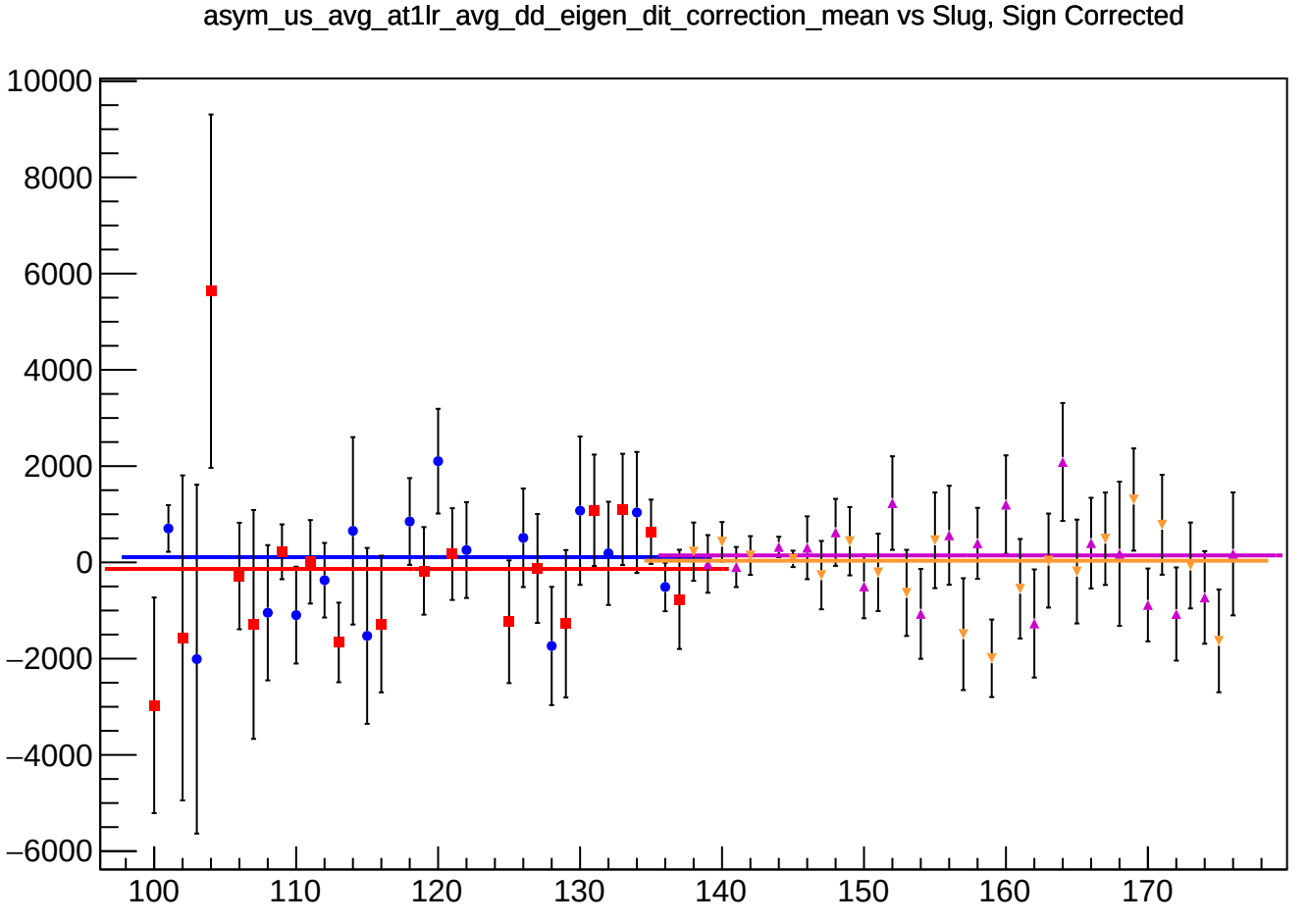
Left: 1734.606+/-0.222 χ^2/NDF: 2794.5/37

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1776.766+/-0.265 χ^2/NDF:756550.2/34

Out: 1784.817+/-0.269 χ^2/NDF:447833.6/36

All: 1780.737+/-0.189 χ^2/NDF: 1204837.6/71



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.051+/-121.948 χ^2/NDF:15.5/18

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 144.749+/-140.127 χ^2/NDF:15.3/18

Left: 82.327+/-91.991 χ^2/NDF: 31.2/37

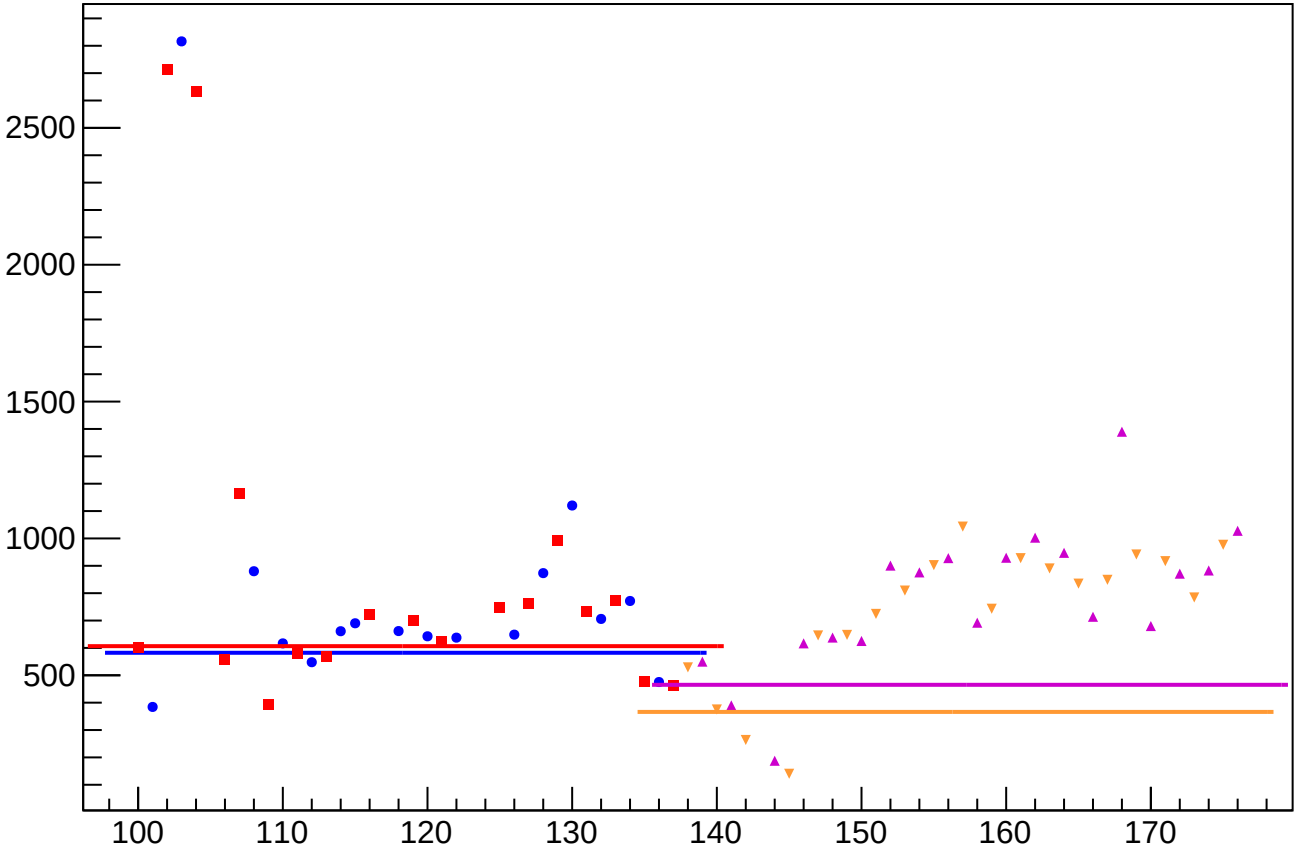
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 134.942+/-119.906 χ^2/NDF:29.5/34

Out: 1.420+/-109.254 χ^2/NDF:30.2/36

All: 61.988+/-80.758 χ^2/NDF: 60.4/71

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: 366.216+/-0.086 χ^2/NDF:11297547.2/18

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 465.209+/-0.099 χ^2/NDF:8610521.2/18

Left: 408.879+/-0.065 χ^2/NDF: 20476044.8/37

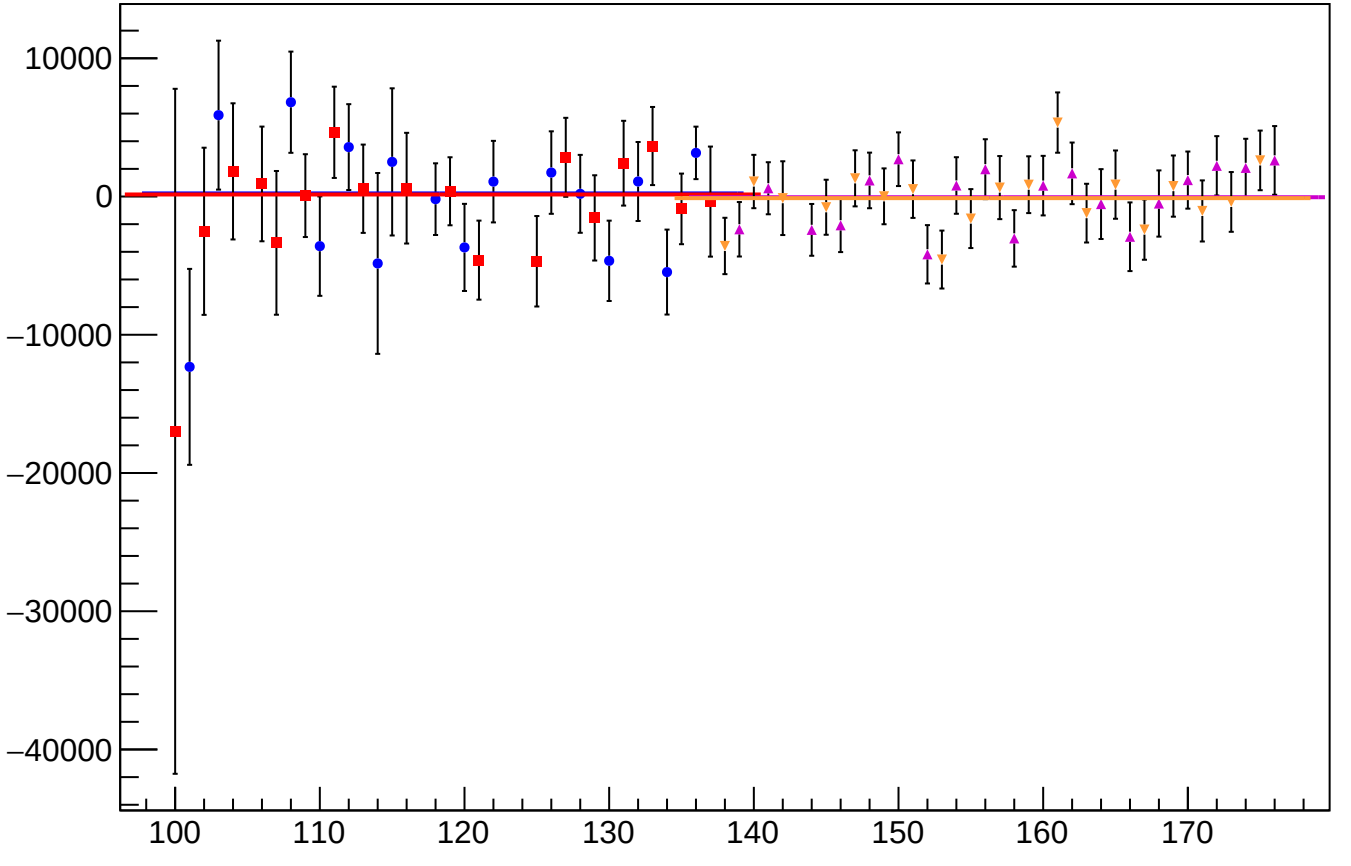
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 496.556+/-0.085 χ^2/NDF:10738570.5/34

Out: 413.626+/-0.077 χ^2/NDF:15027692.4/36

All: 451.245+/-0.057 χ^2/NDF: 26288975.6/71

asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -116.503+/-491.350 χ^2/NDF:19.0/18

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -50.619+/-484.060 χ^2/NDF:19.4/18

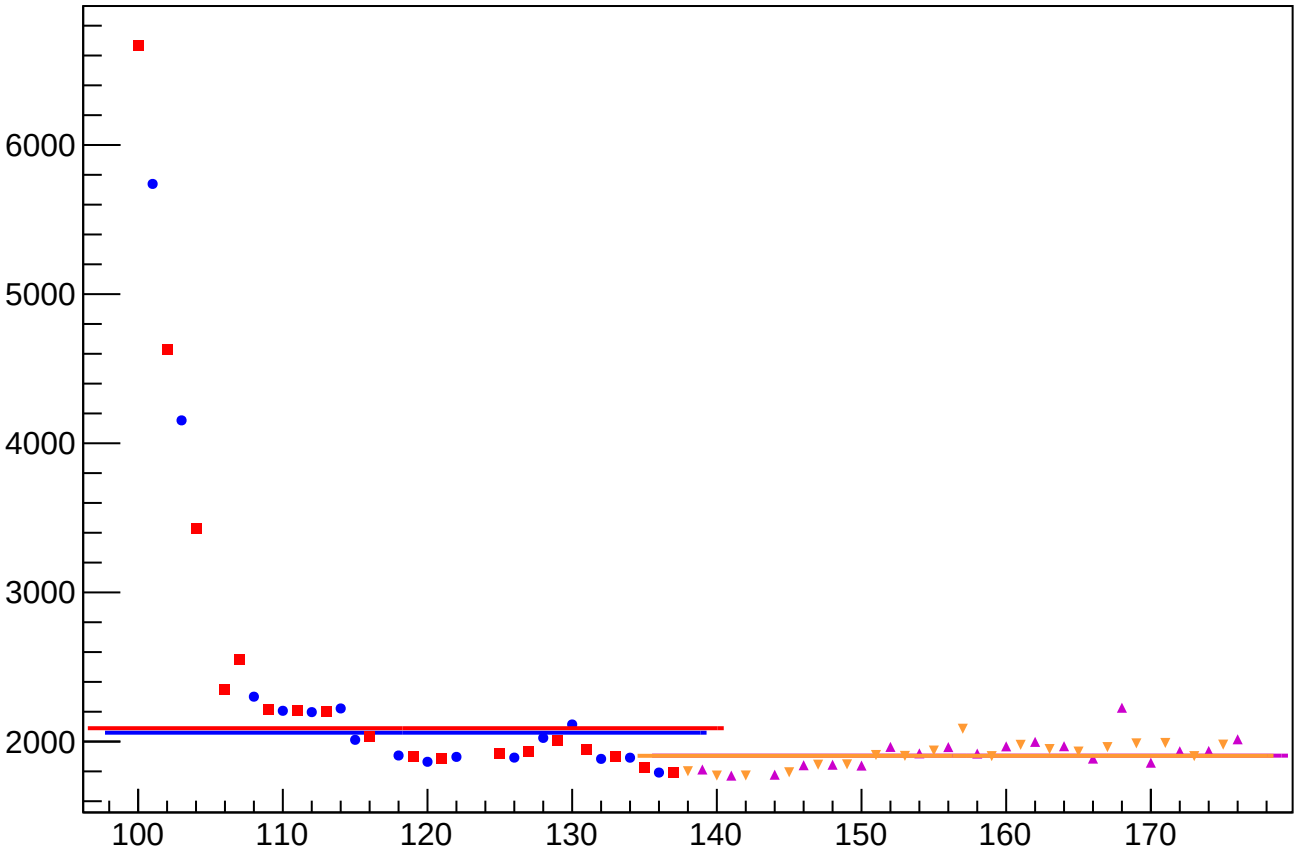
Left: -83.069+/-344.831 χ^2/NDF: 38.4/37

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 24.252+/-412.980 χ^2/NDF:40.6/34

Out: -43.291+/-417.845 χ^2/NDF:30.7/36

All: -9.124+/-293.726 χ^2/NDF: 71.3/71



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1904.469+/-0.347 χ^2/NDF:55310.7/18

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1905.534+/-0.342 χ^2/NDF:81600.9/18

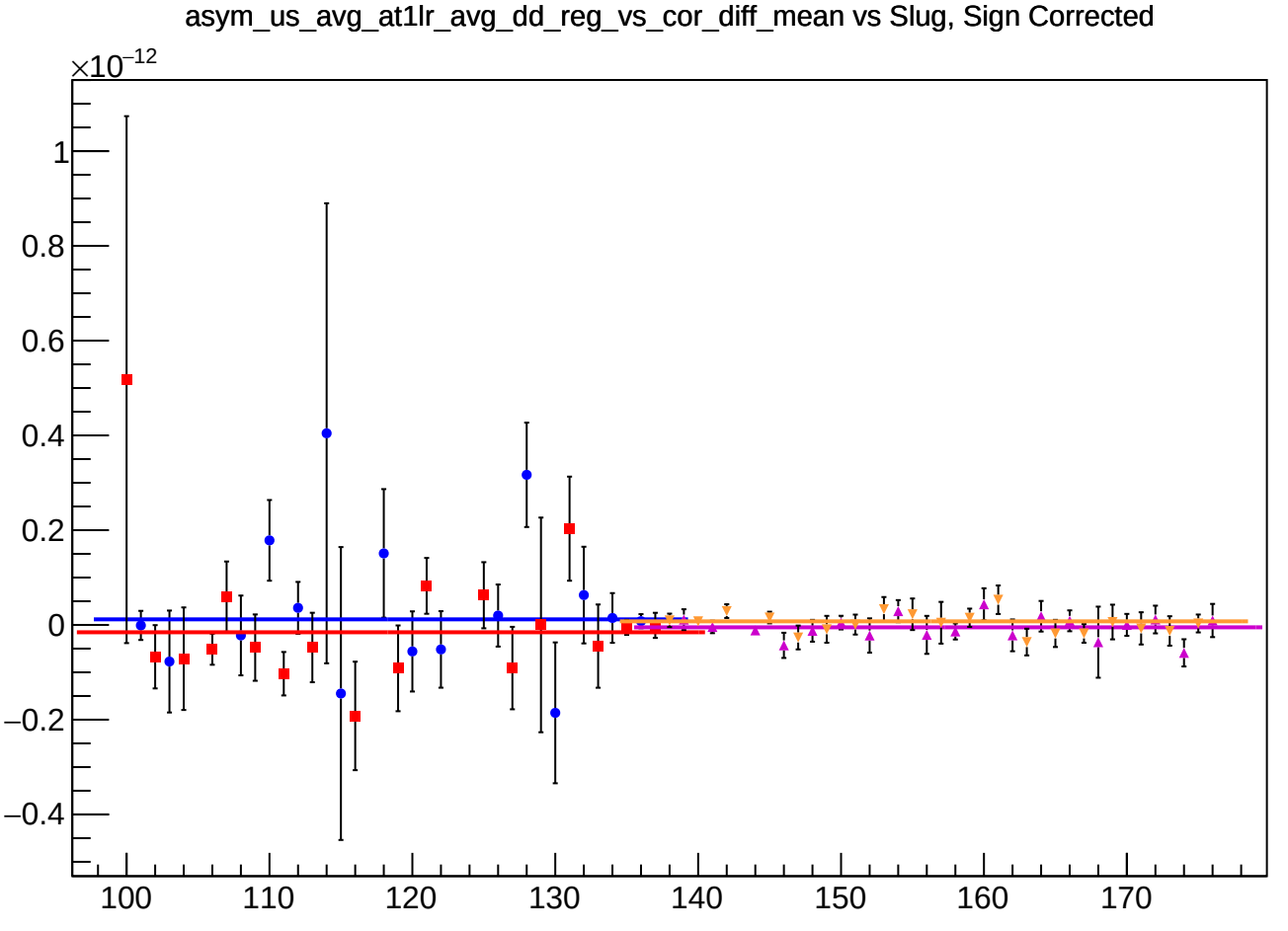
Left: 1905.009+/-0.244 χ^2/NDF: 136916.3/37

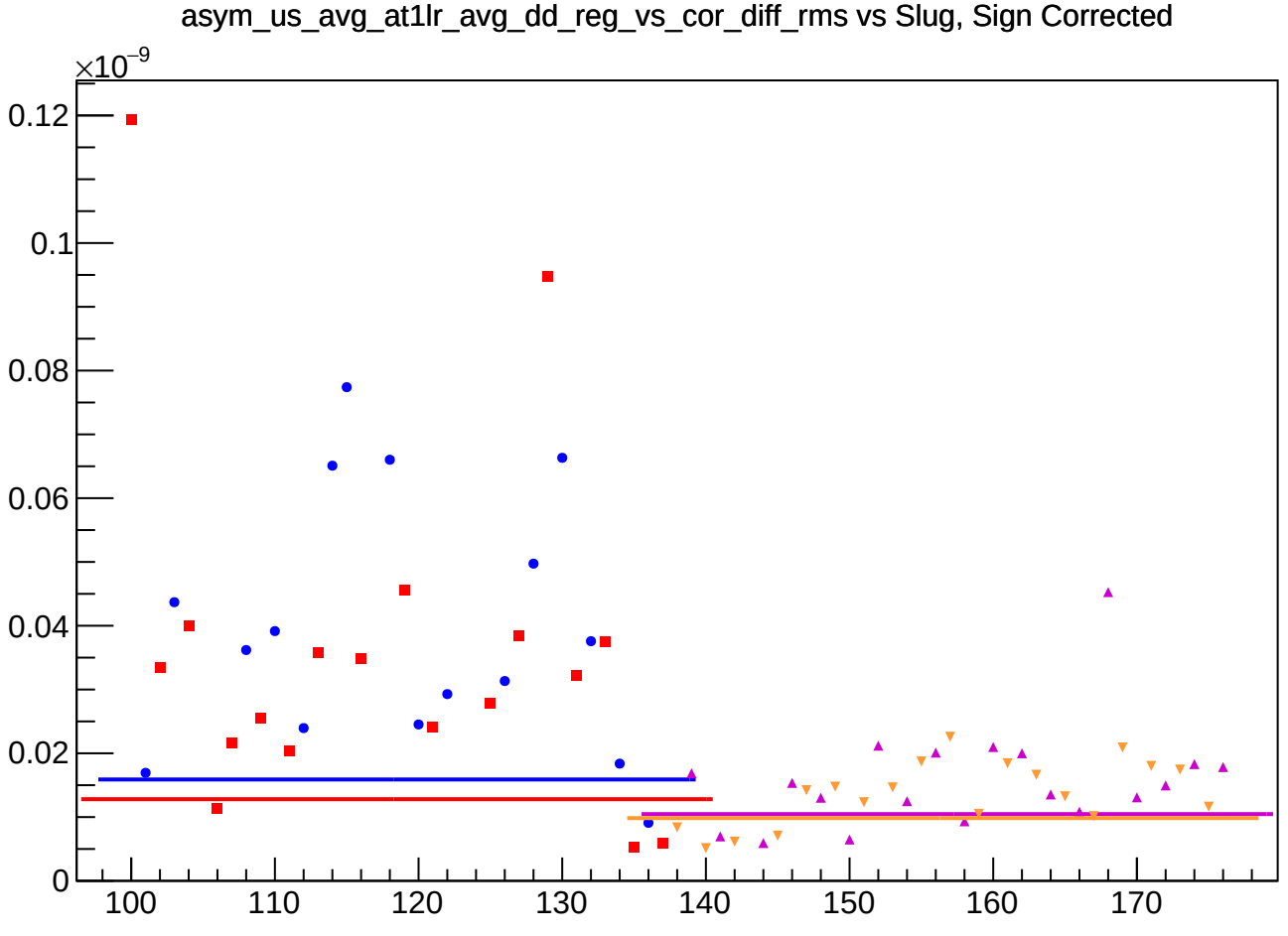
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1947.430+/-0.292 χ^2/NDF:1076532.8/34

Out: 1955.683+/-0.295 χ^2/NDF:815267.4/36

All: 1951.508+/-0.208 χ^2/NDF: 1892194.9/71


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.2/18
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:13.9/18
Left: 0.000+/-0.000 χ²/NDF: 31.8/37
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:33.8/34
Out: 0.000+/-0.000 χ²/NDF:38.9/36
All: 0.000+/-0.000 χ²/NDF: 73.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2006985.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2470202.1/18

Left: 0.000+/-0.000 χ^2/NDF: 4495901.7/37

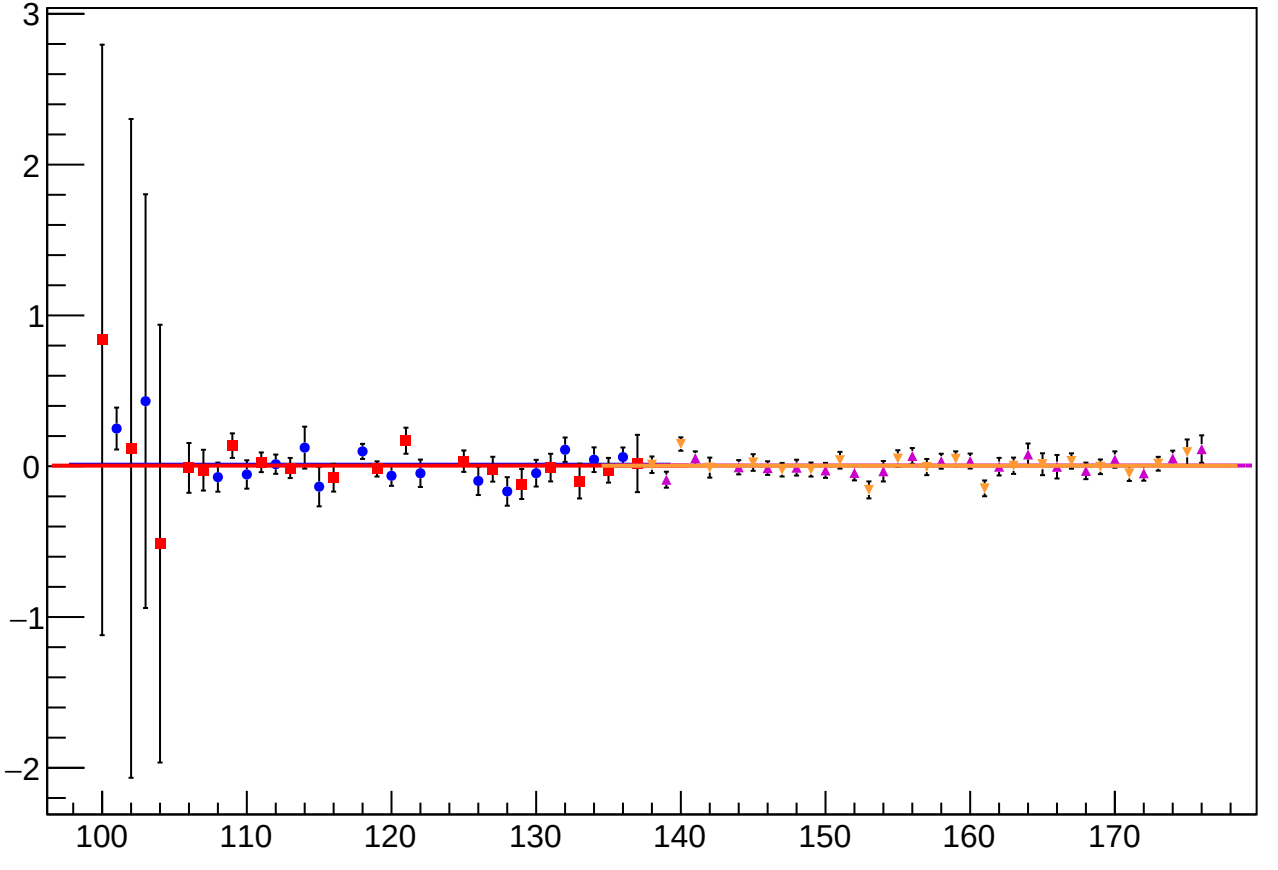
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4782761.1/34

Out: 0.000+/-0.000 χ^2/NDF:4624862.7/36

All: 0.000+/-0.000 χ^2/NDF: 9458786.7/71

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.004+/-0.009 χ^2/NDF: 46.1/37

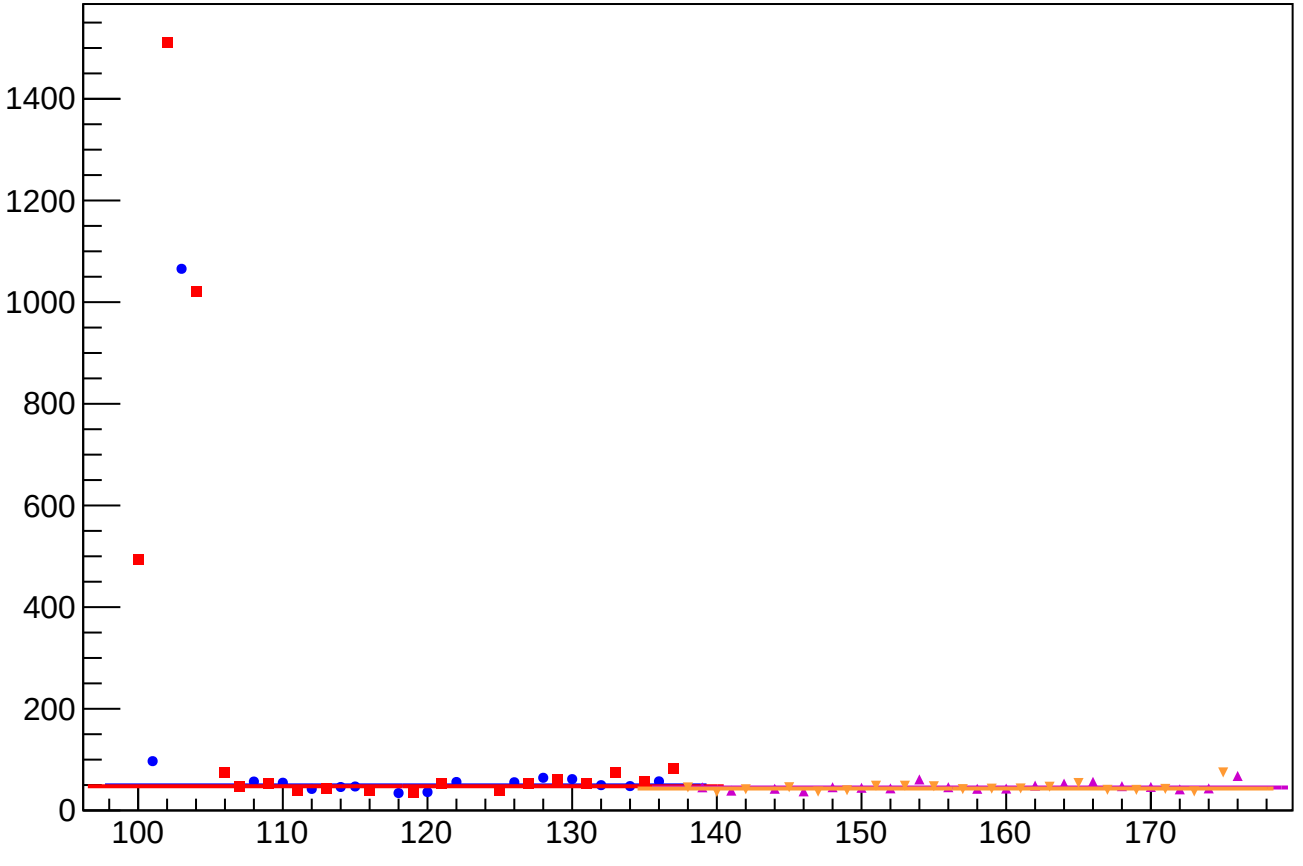
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.005+/-0.007 χ^2/NDF: 75.1/71

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: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

Left: 44.138+/-0.006 χ^2/NDF: 987687.0/37

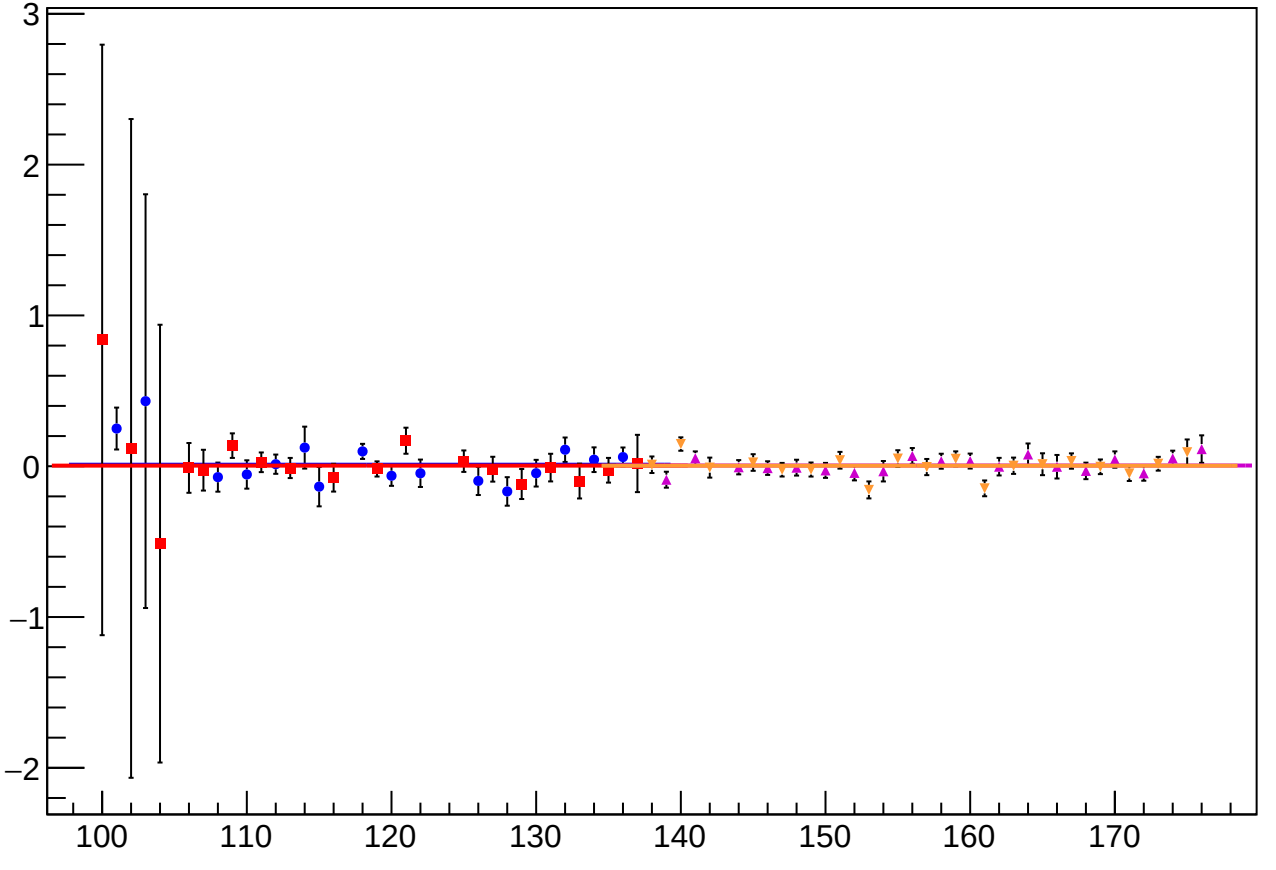
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.226+/-0.008 χ^2/NDF:2269219.9/34

Out: 44.228+/-0.007 χ^2/NDF:3010974.9/36

All: 45.223+/-0.005 χ^2/NDF: 5315751.2/71

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.004+/-0.009 χ^2/NDF: 46.1/37

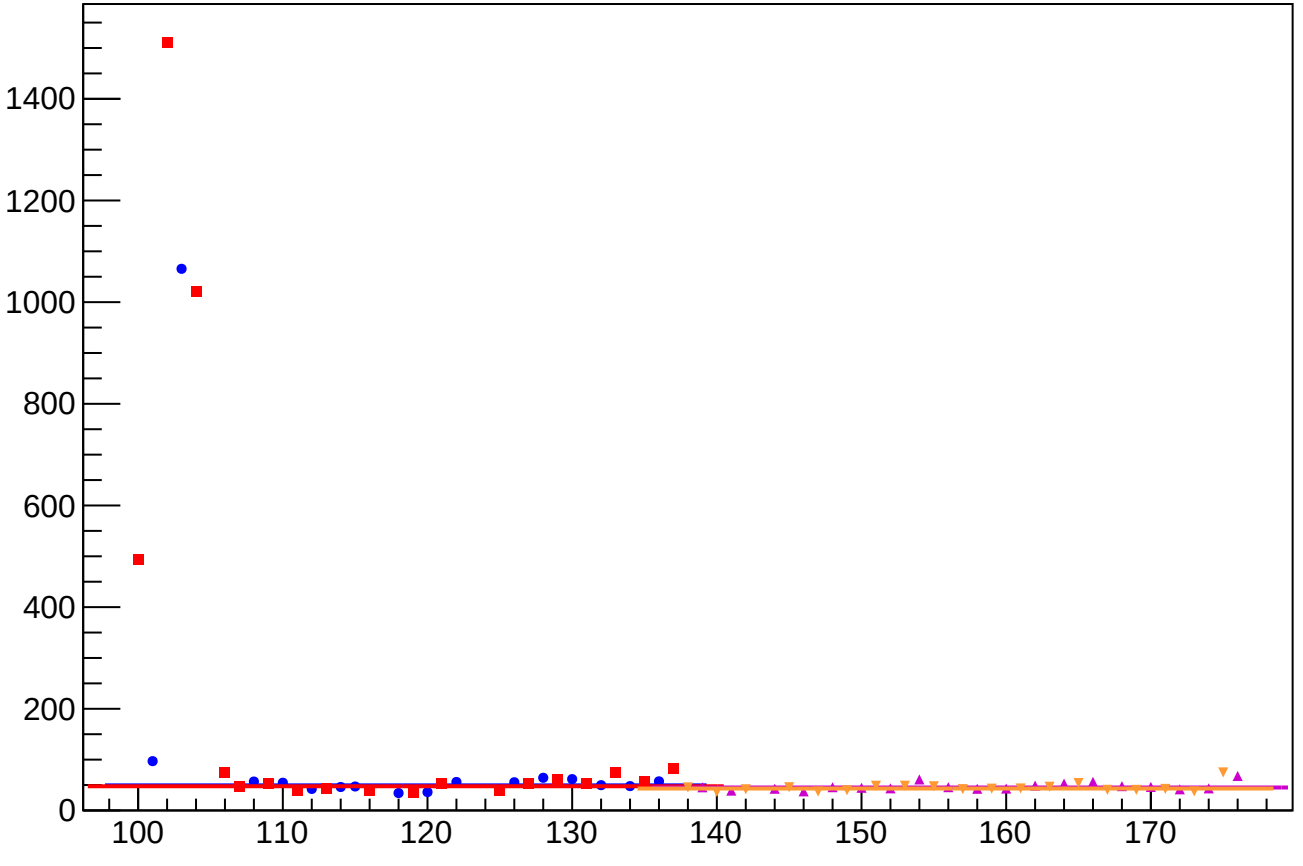
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.005+/-0.007 χ^2/NDF: 75.1/71

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: 43.152+/-0.009 χ^2/NDF:527839.5/18

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

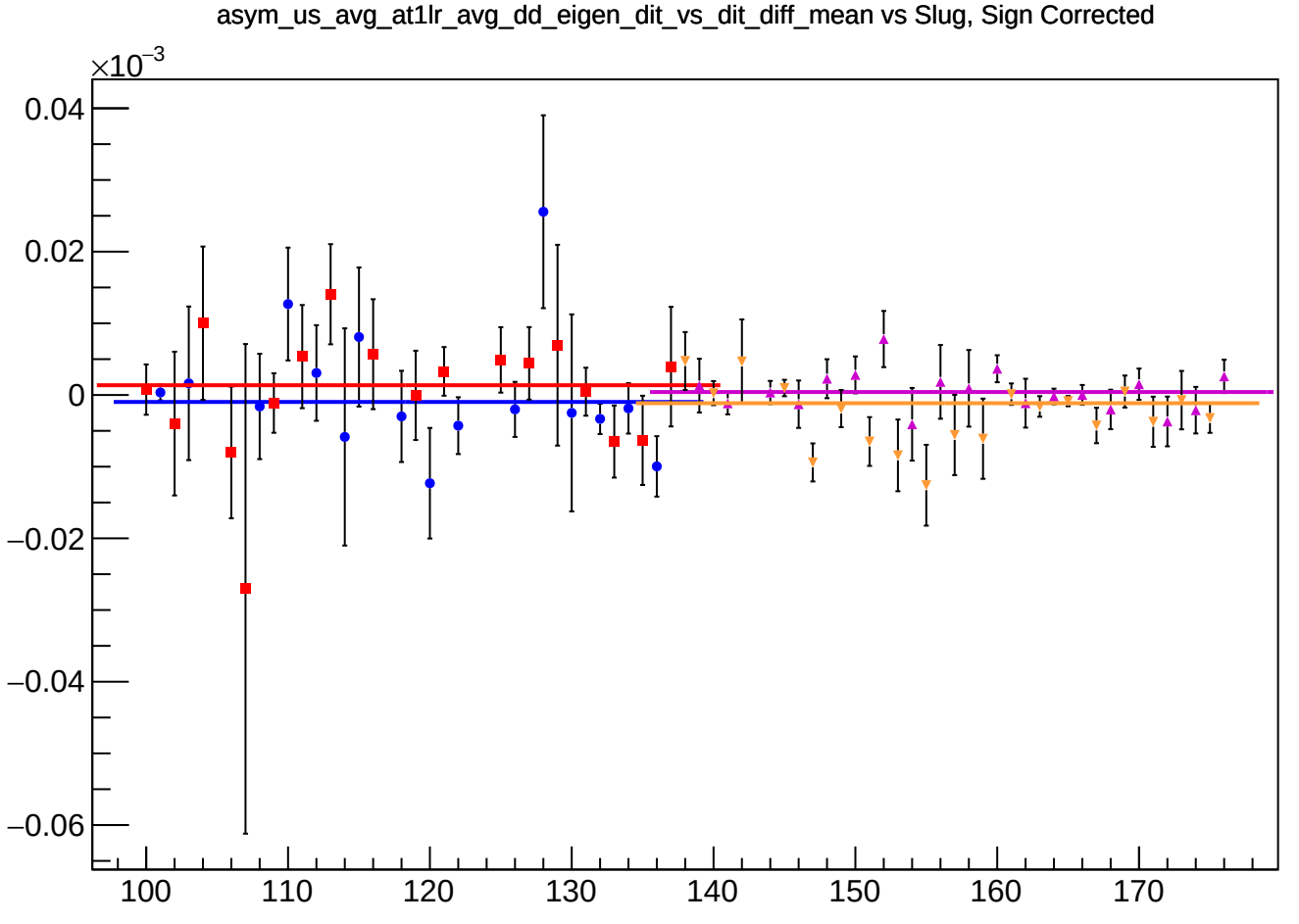
Left: 44.138+/-0.006 χ^2/NDF: 987687.0/37

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.226+/-0.008 χ^2/NDF:2269219.9/34

Out: 44.228+/-0.007 χ^2/NDF:3010974.9/36

All: 45.223+/-0.005 χ^2/NDF: 5315751.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:14.6/18

Left: -0.000+/-0.000 χ^2/NDF: 51.8/37

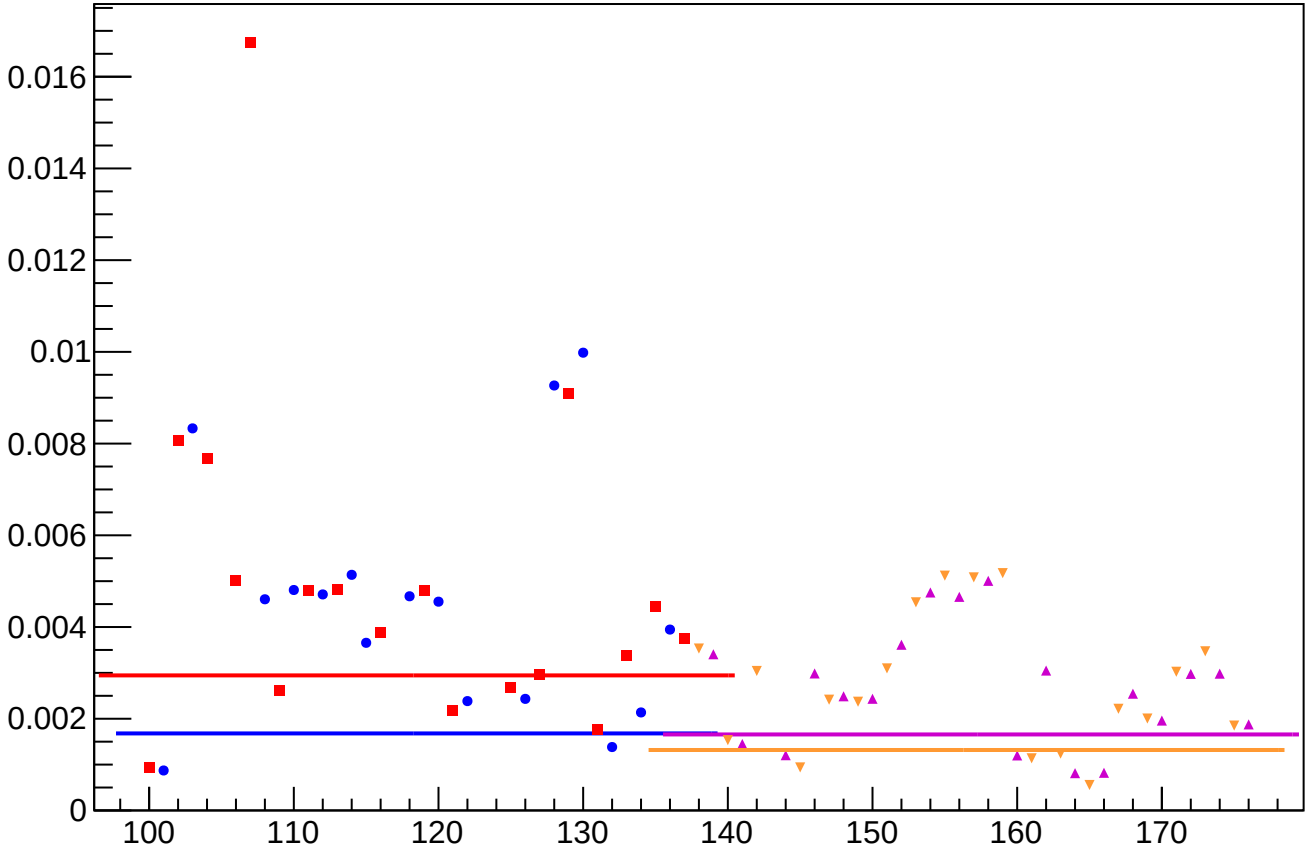
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:35.3/34

Out: -0.000+/-0.000 χ^2/NDF:47.8/36

All: -0.000+/-0.000 χ^2/NDF: 85.5/71

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:9764704.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7291942.1/18

Left: 0.001+/-0.000 χ^2/NDF: 17571887.0/37

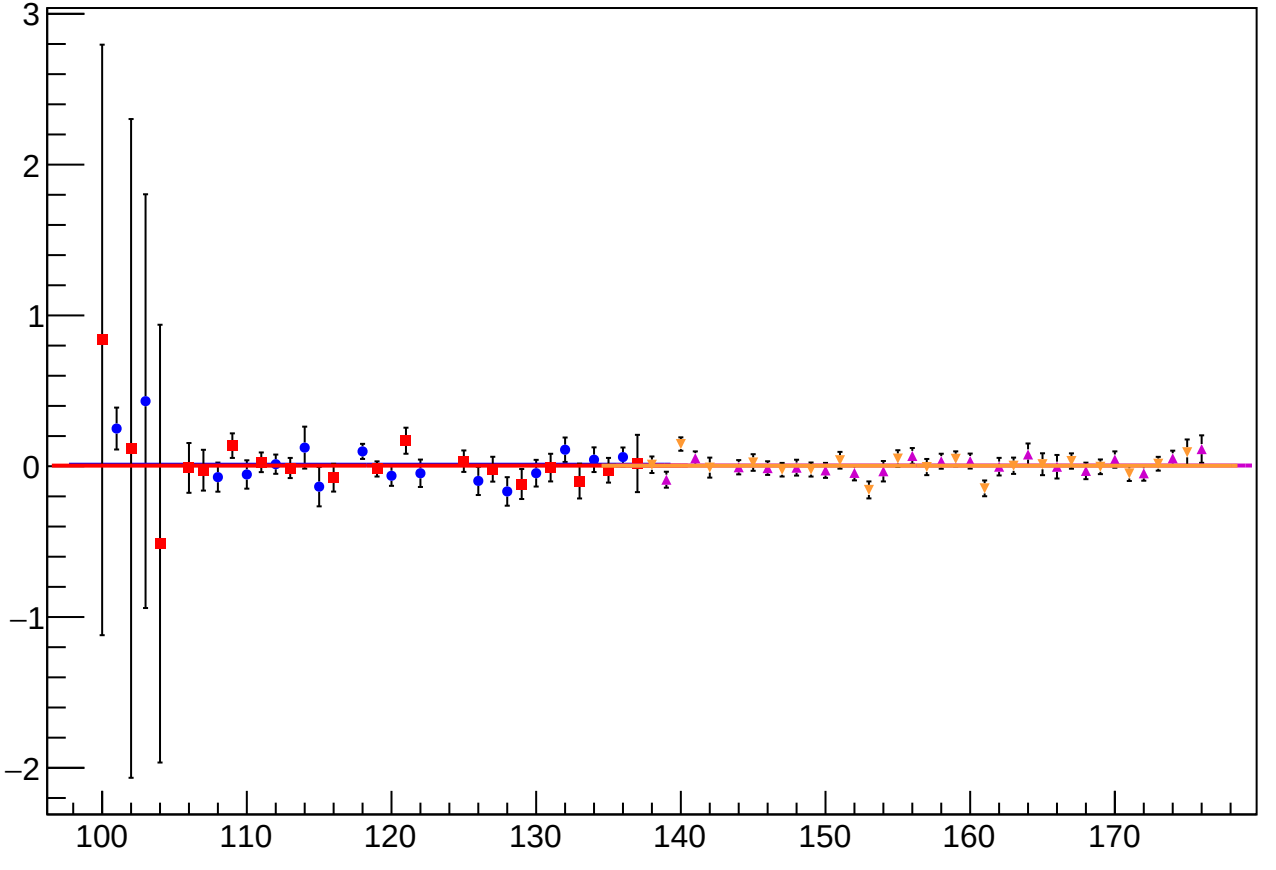
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13253219.8/34

Out: 0.001+/-0.000 χ^2/NDF:16005474.3/36

All: 0.002+/-0.000 χ^2/NDF: 29441776.3/71

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.004+/-0.009 χ^2/NDF: 46.1/37

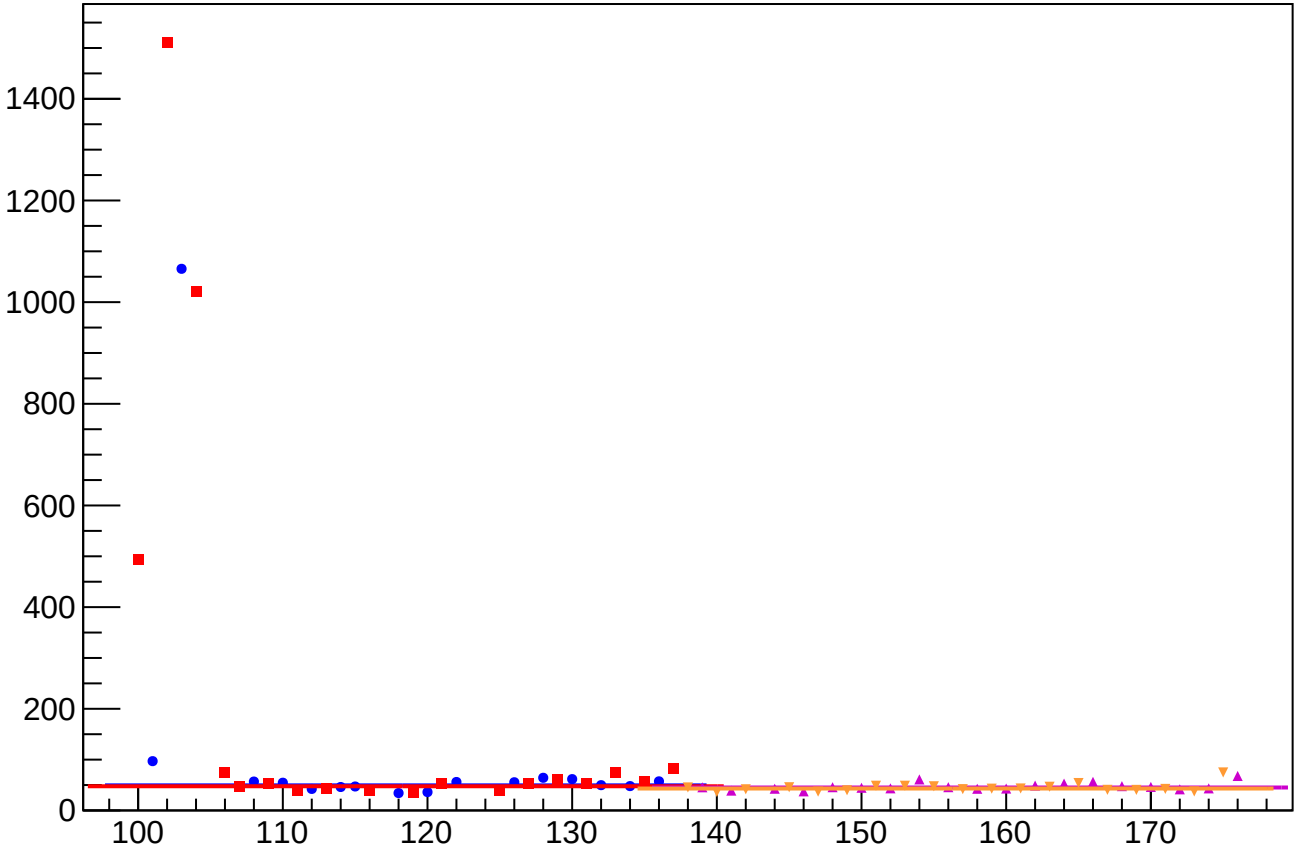
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.005+/-0.007 χ^2/NDF: 75.1/71

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: 43.152+/-0.009 χ^2/NDF:527851.1/18

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.153+/-0.009 χ^2/NDF:433161.0/18

Left: 44.138+/-0.006 χ^2/NDF: 987757.7/37

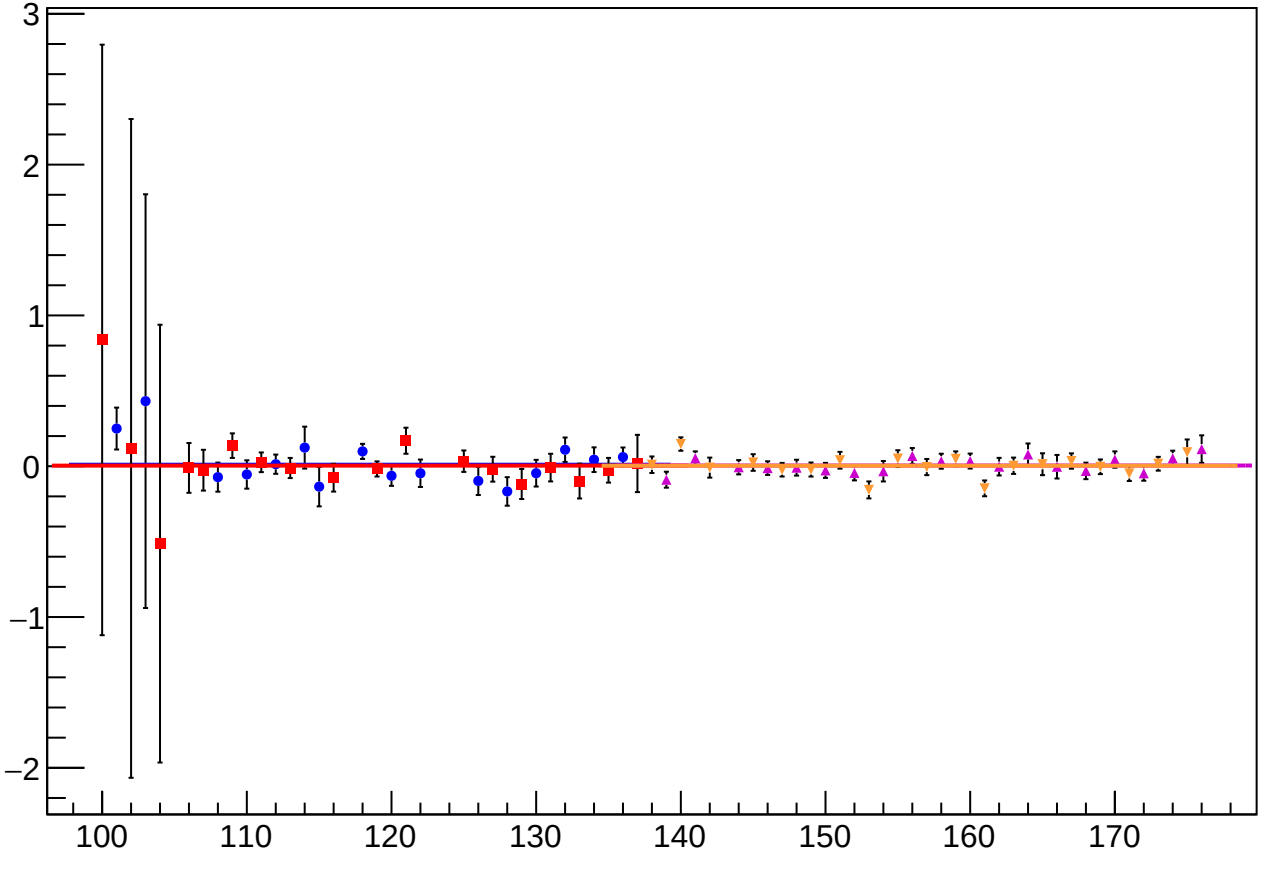
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.226+/-0.008 χ^2/NDF:2269236.6/34

Out: 44.228+/-0.007 χ^2/NDF:3010992.0/36

All: 45.223+/-0.005 χ^2/NDF: 5315783.2/71

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:32.2/18

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.004+/-0.009 χ^2/NDF: 46.1/37

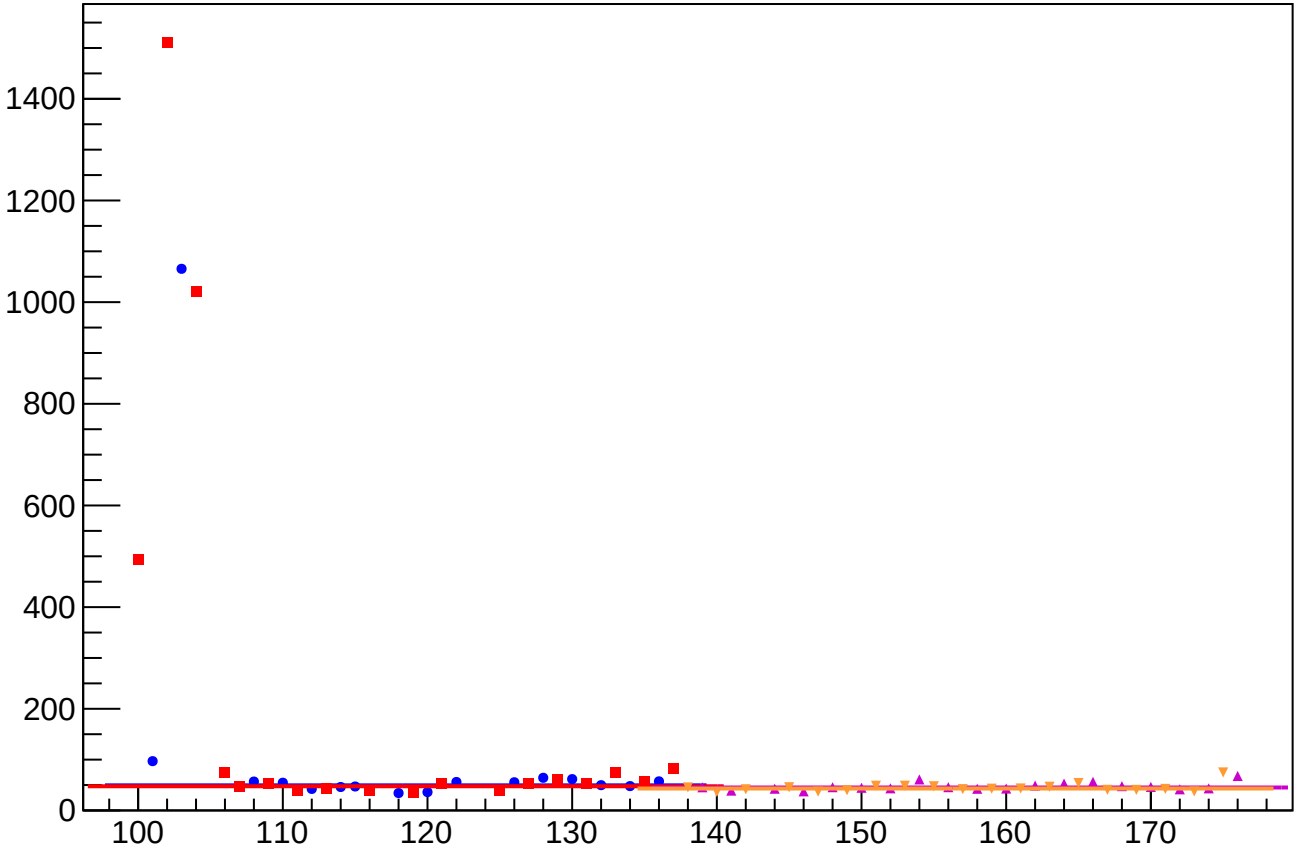
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.004+/-0.011 χ^2/NDF:42.7/36

All: 0.005+/-0.007 χ^2/NDF: 75.1/71

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: 43.152+/-0.009 χ^2/NDF:527851.1/18

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.153+/-0.009 χ^2/NDF:433161.0/18

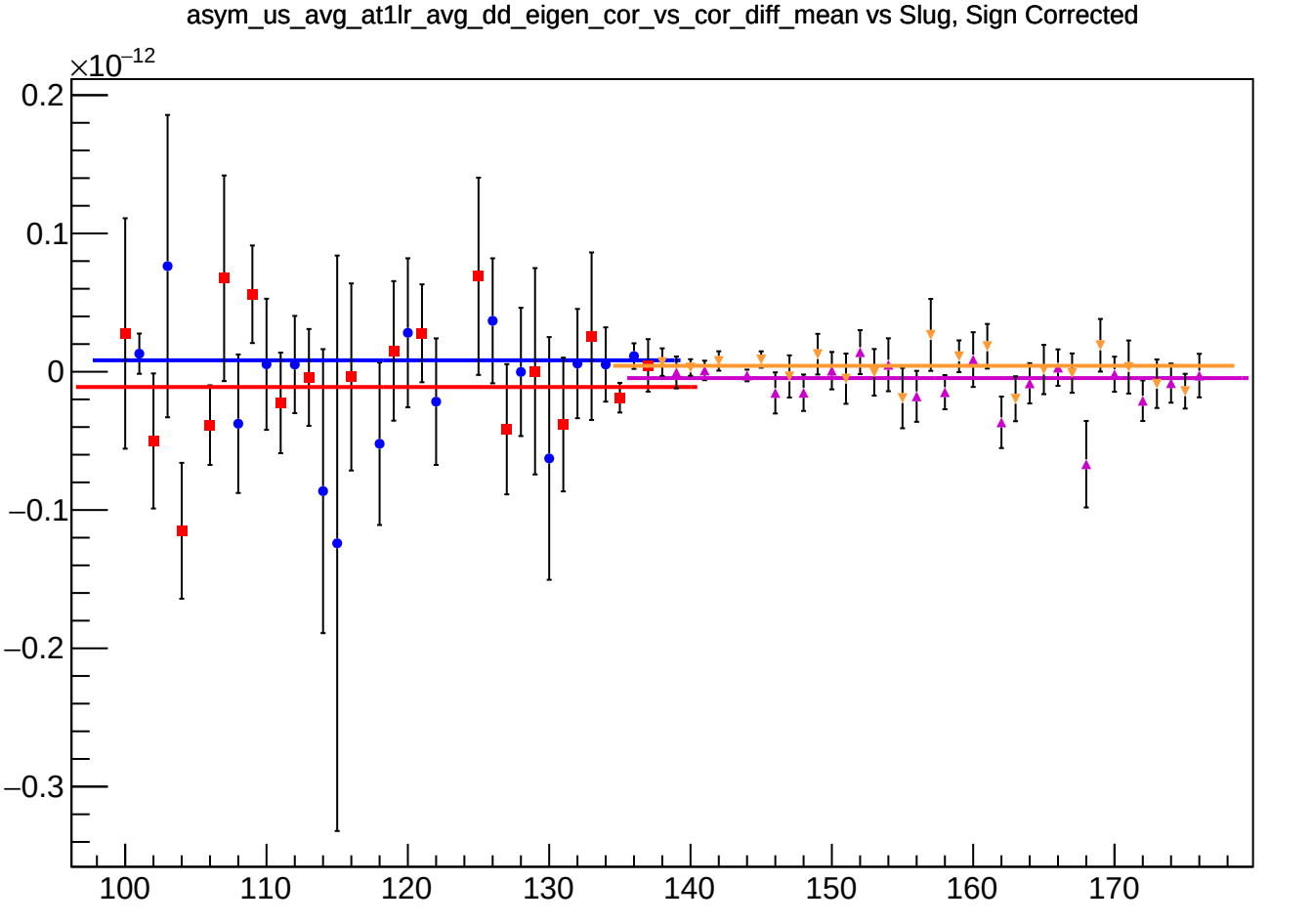
Left: 44.138+/-0.006 χ^2/NDF: 987757.7/37

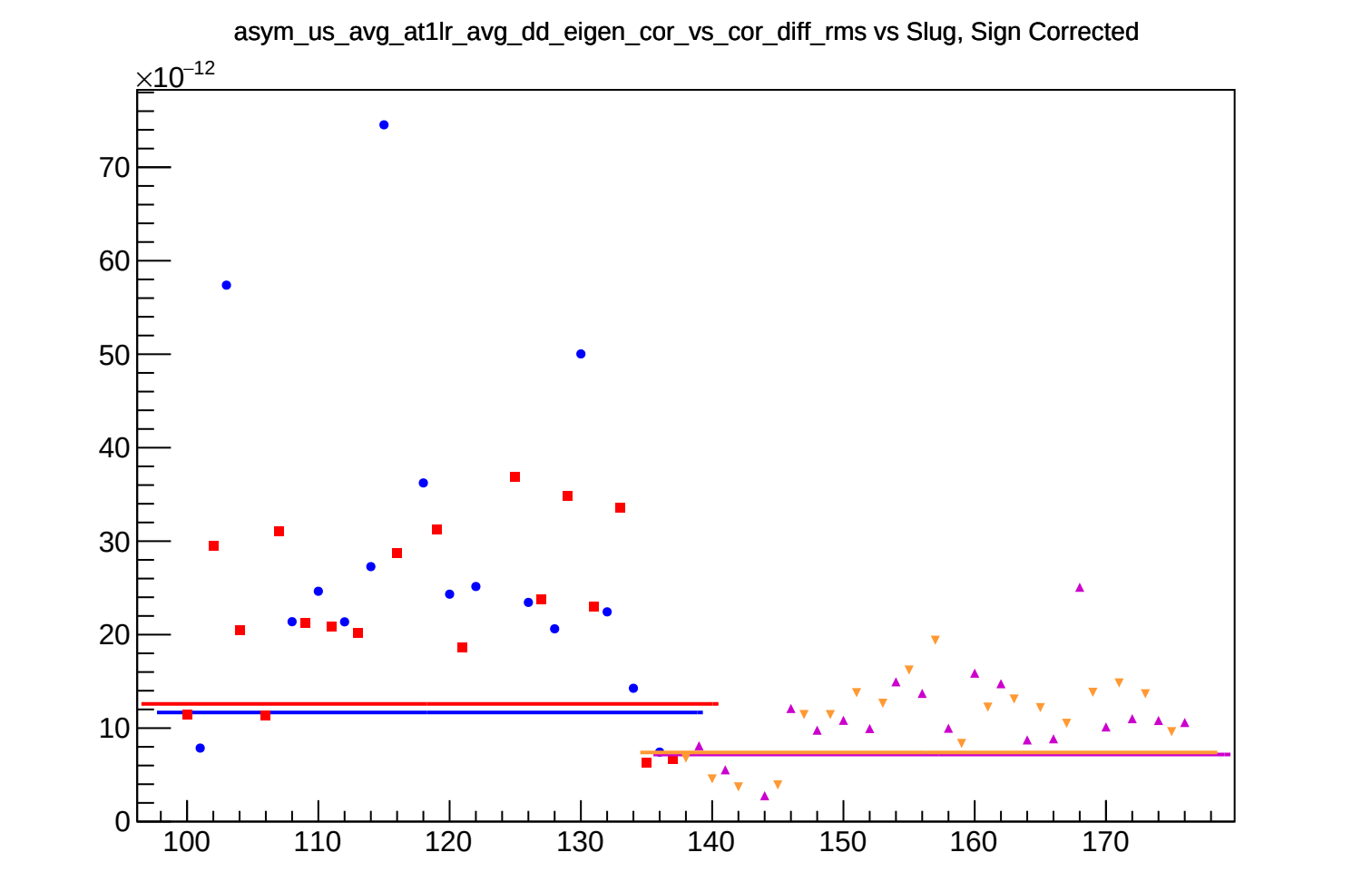
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.226+/-0.008 χ^2/NDF:2269236.6/34

Out: 44.228+/-0.007 χ^2/NDF:3010992.0/36

All: 45.223+/-0.005 χ^2/NDF: 5315783.2/71


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.3/18
Left: -0.000+/-0.000 χ²/NDF: 30.6/37
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:22.9/34
Out: 0.000+/-0.000 χ²/NDF:30.7/36
All: -0.000+/-0.000 χ²/NDF: 56.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4722124.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5403665.3/18

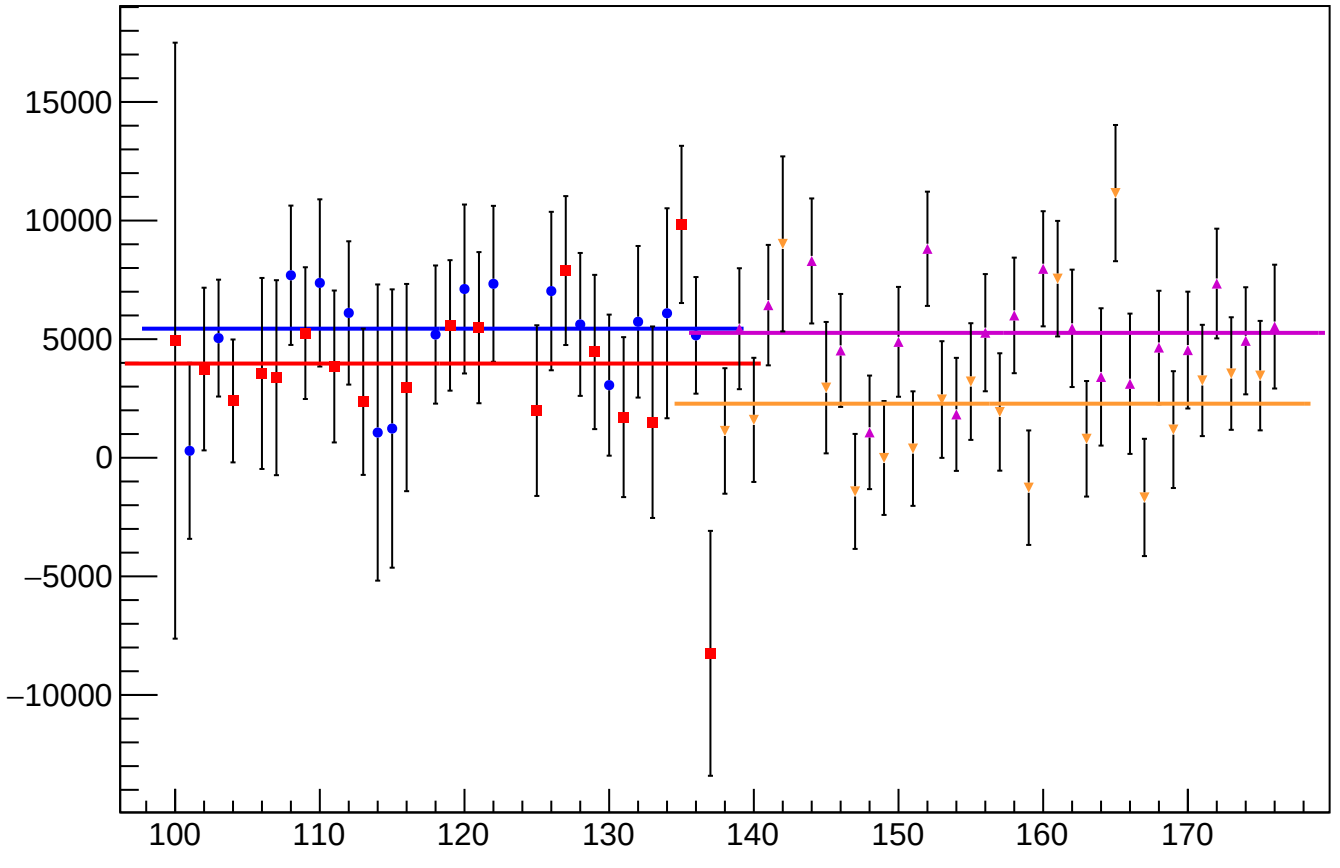
Left: 0.000+/-0.000 χ^2/NDF: 10132928.0/37

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9101475.2/34

Out: 0.000+/-0.000 χ^2/NDF:8558128.5/36

All: 0.000+/-0.000 χ^2/NDF: 17670167.9/71



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.698+/-576.629 χ^2/NDF:27.9/18

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5265.569+/-567.301 χ^2/NDF:12.2/18

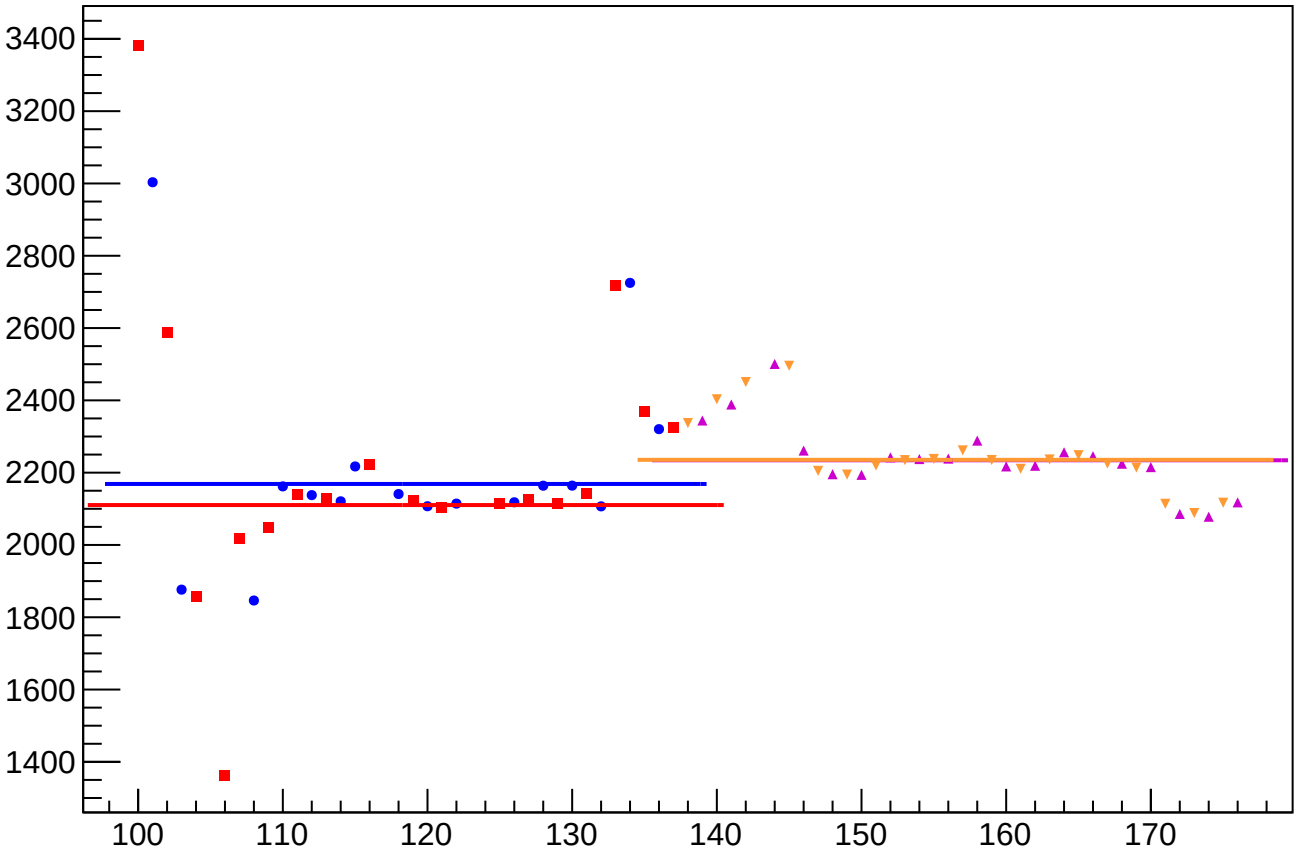
Left: 3796.978+/-404.400 χ^2/NDF: 53.8/37

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5323.499+/-465.147 χ^2/NDF:17.6/34

Out: 2849.698+/-469.564 χ^2/NDF:43.8/36

All: 4098.287+/-330.459 χ^2/NDF: 75.4/71



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

Left: 2234.855+/-0.286 χ^2/NDF: 111829.7/37

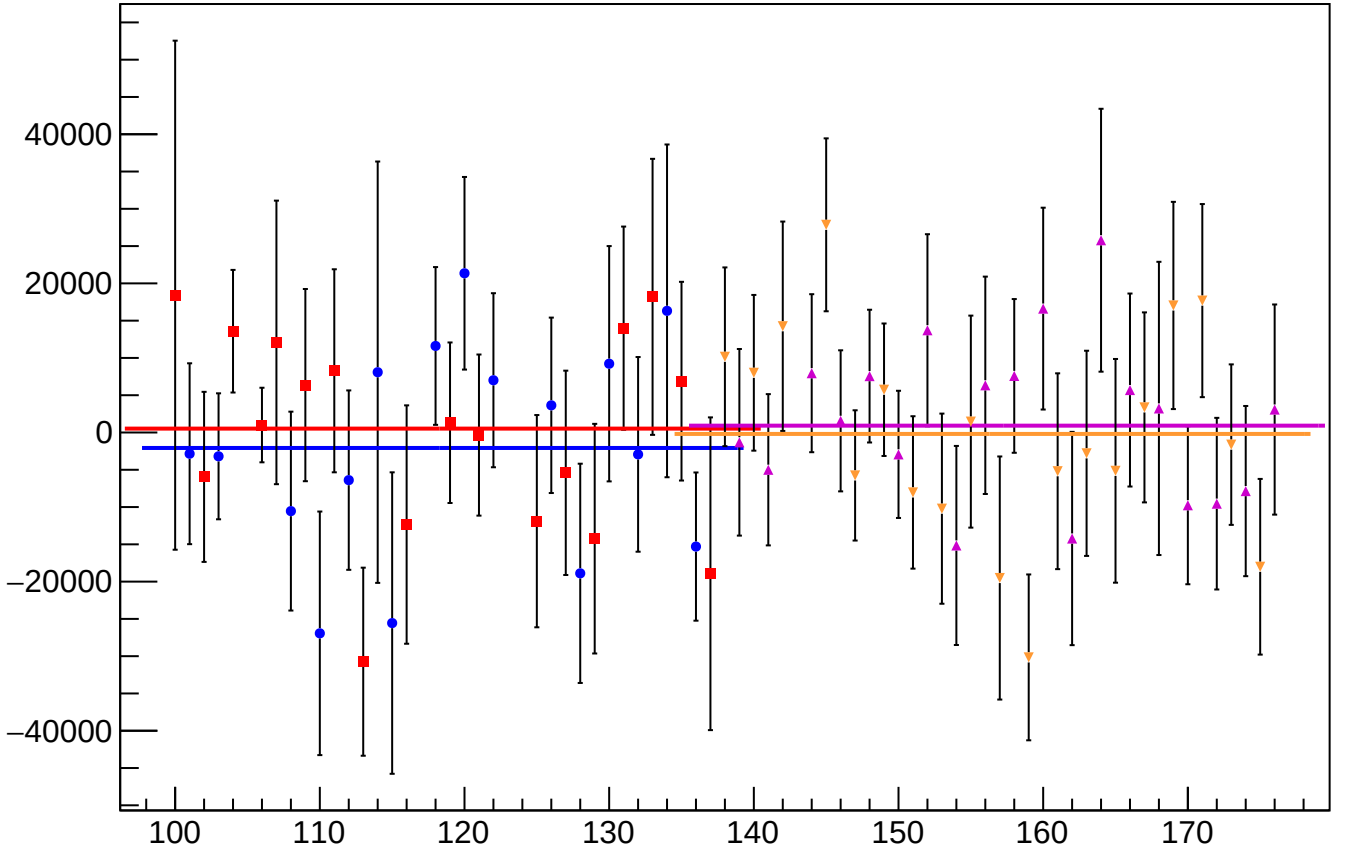
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2212.779+/-0.329 χ^2/NDF:260624.6/34

Out: 2192.426+/-0.330 χ^2/NDF:355414.1/36

All: 2202.643+/-0.233 χ^2/NDF: 617945.6/71

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: -192.570+/-2715.657 χ^2/NDF:25.1/18

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 917.294+/-2676.457 χ^2/NDF:11.6/18

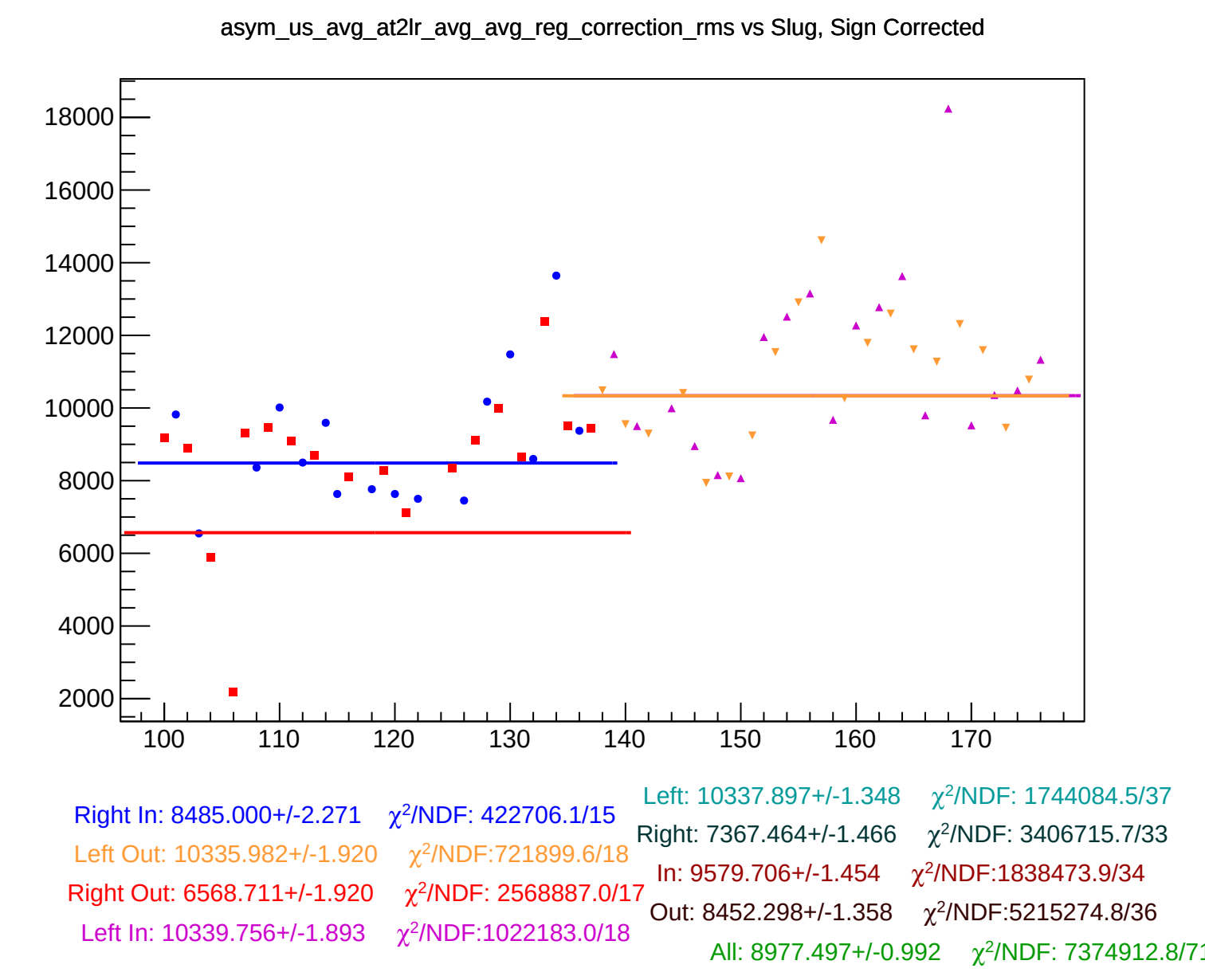
Left: 370.430+/-1906.249 χ^2/NDF: 36.8/37

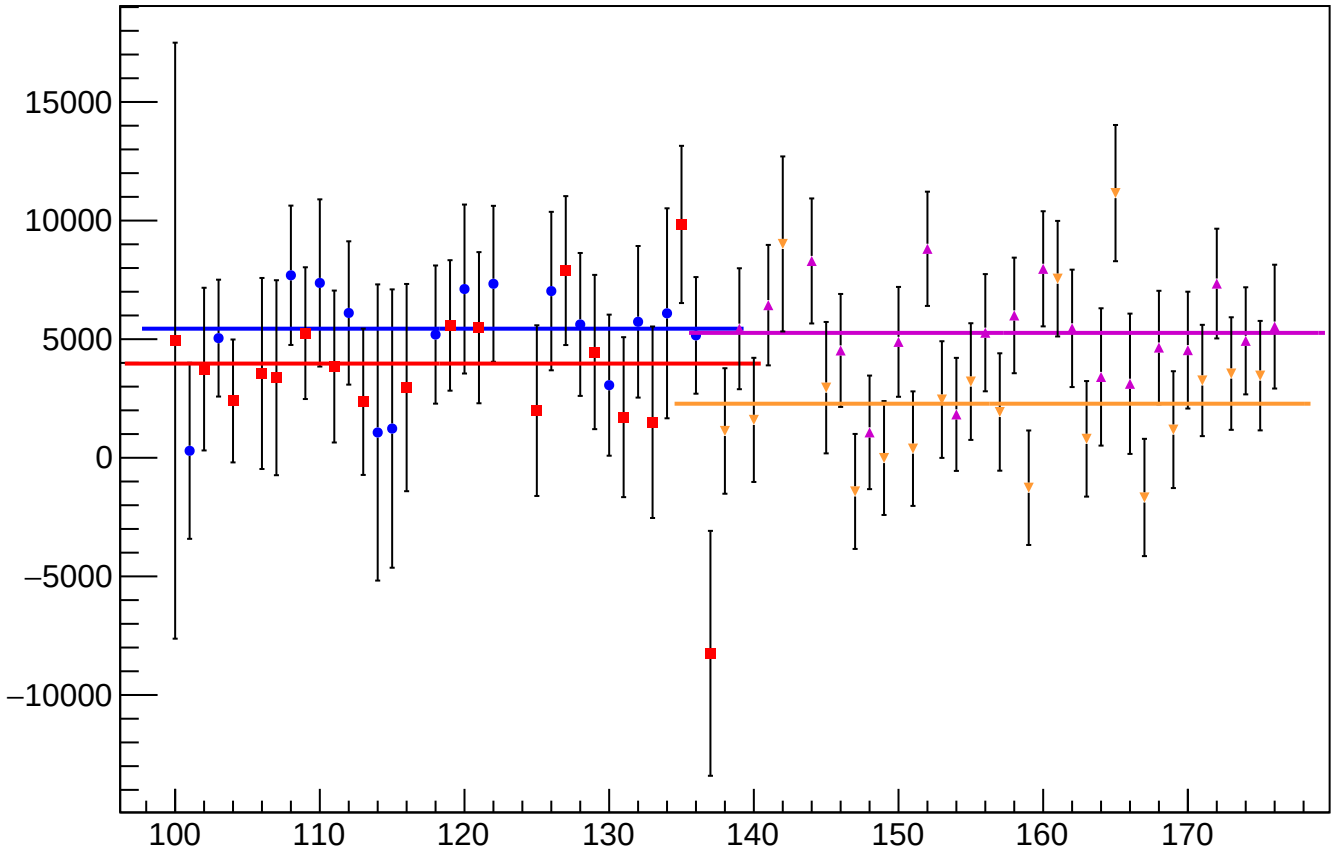
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -308.837+/-2056.202 χ^2/NDF:26.6/34

Out: 164.451+/-1920.235 χ^2/NDF:40.8/36

All: -56.029+/-1403.419 χ^2/NDF: 67.4/71


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10335.982+/-1.920 χ²/NDF:721899.6/18
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10339.756+/-1.893 χ²/NDF:1022183.0/18
Left: 10337.897+/-1.348 χ²/NDF: 1744084.5/37
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9579.706+/-1.454 χ²/NDF:1838473.9/34
Out: 8452.298+/-1.358 χ²/NDF:5215274.8/36
All: 8977.497+/-0.992 χ²/NDF: 7374912.8/71



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2279.624+/-576.629 χ^2/NDF:27.9/18

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5265.554+/-567.301 χ^2/NDF:12.2/18

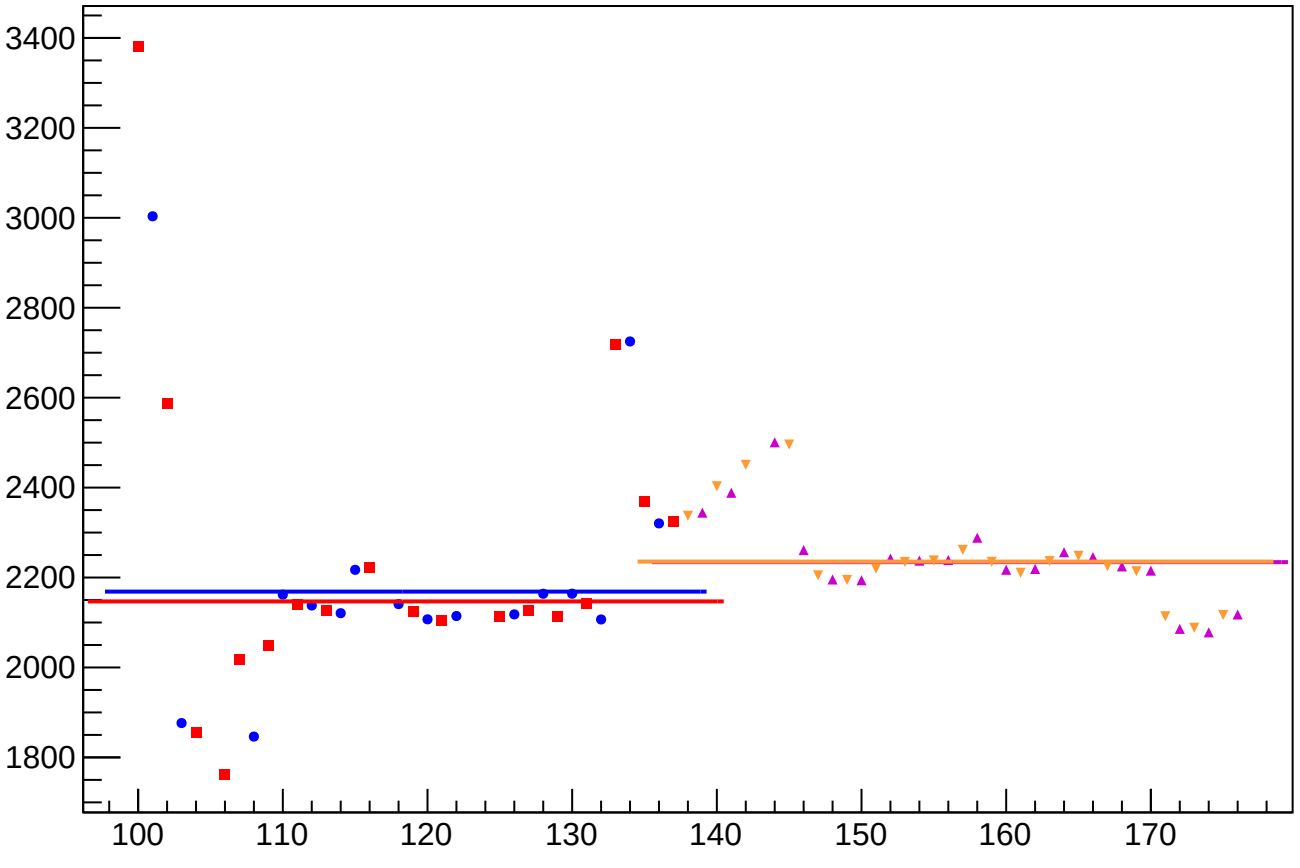
Left: 3796.933+/-404.400 χ^2/NDF: 53.8/37

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5323.535+/-465.147 χ^2/NDF:17.6/34

Out: 2849.562+/-469.564 χ^2/NDF:43.8/36

All: 4098.237+/-330.459 χ^2/NDF: 75.4/71



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

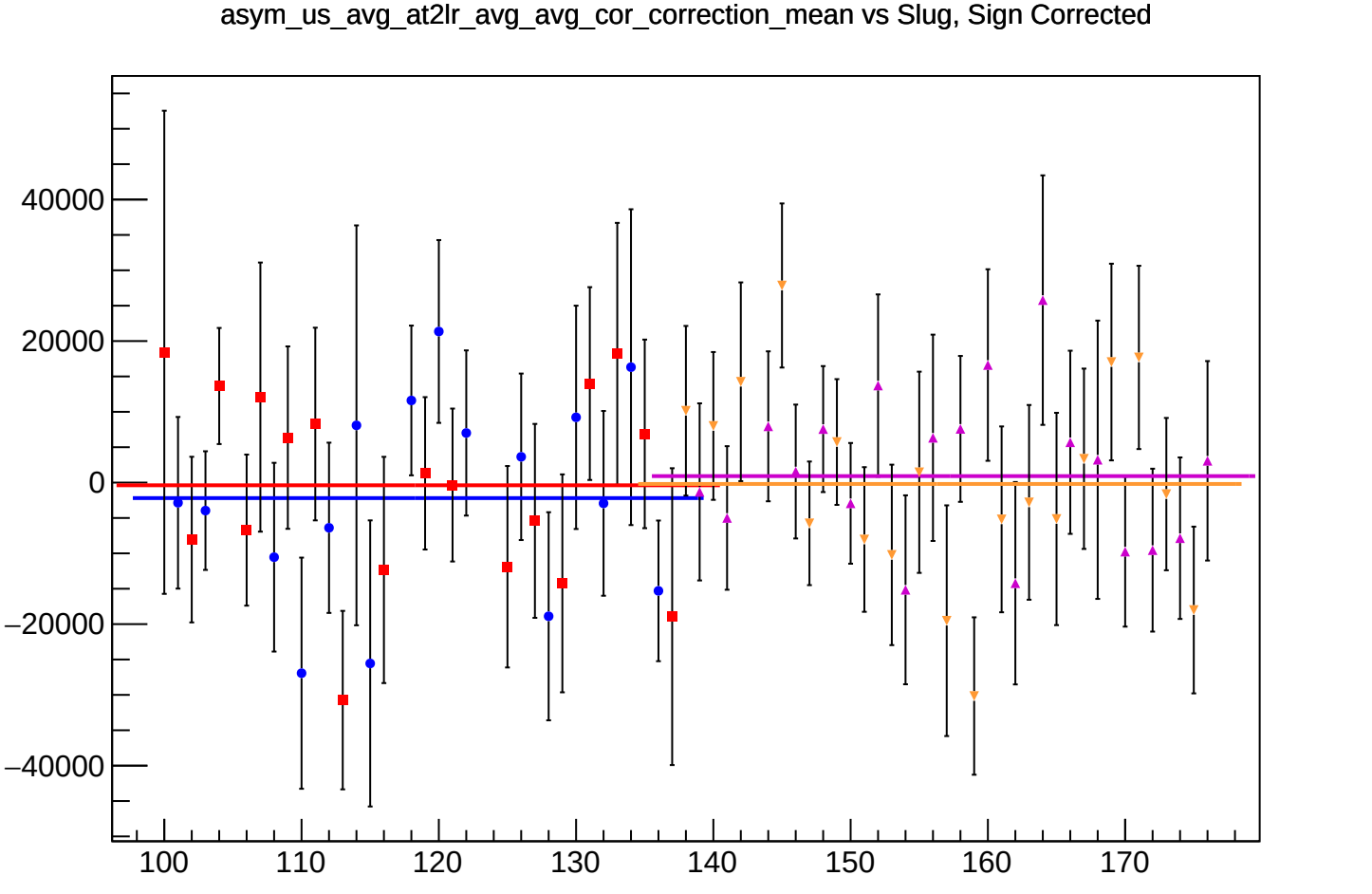
Left: 2234.855+/-0.286 χ^2/NDF: 111829.7/37

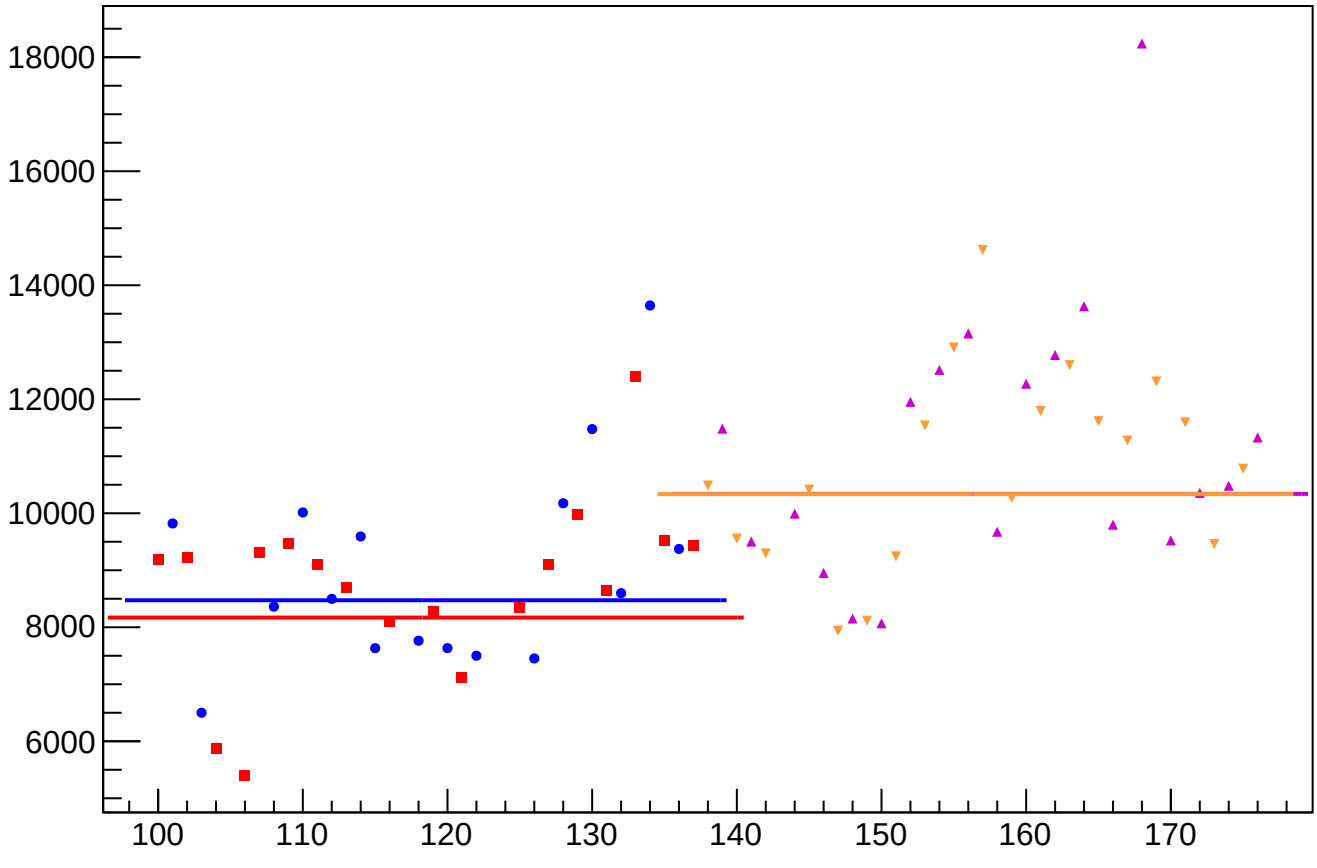
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2212.779+/-0.329 χ^2/NDF:260625.0/34

Out: 2205.432+/-0.331 χ^2/NDF:229365.3/36

All: 2209.134+/-0.233 χ^2/NDF: 490237.8/71


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: -192.579+/-2715.656 χ²/NDF:25.1/18
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 917.433+/-2676.456 χ²/NDF:11.6/18
Left: 370.496+/-1906.248 χ²/NDF: 36.8/37
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: -357.310+/-2055.264 χ²/NDF:26.6/34
Out: -273.627+/-2042.695 χ²/NDF:41.4/36
All: -315.212+/-1448.827 χ²/NDF: 68.1/71



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

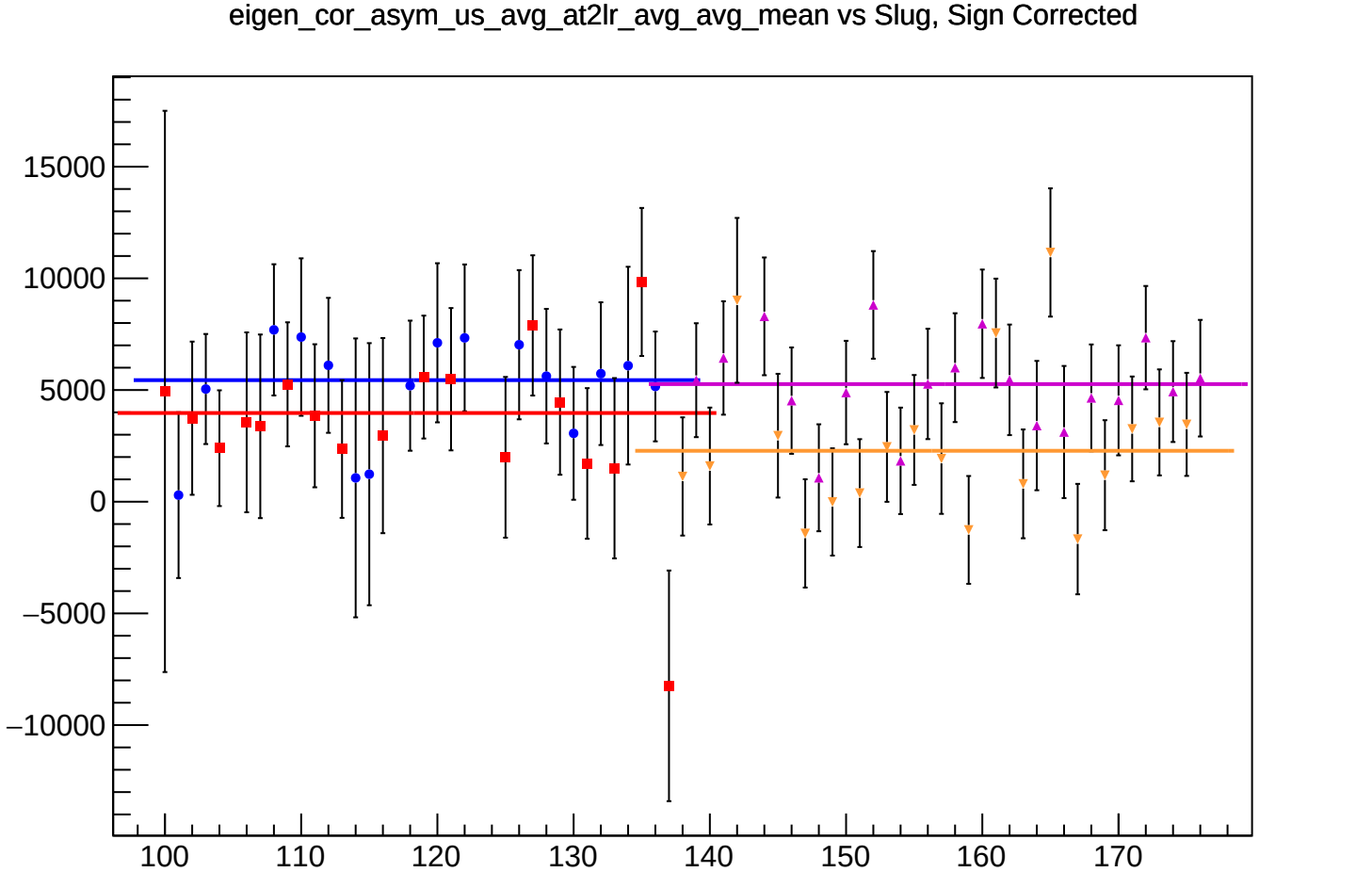
Left: 10337.891+/-1.348 χ^2/NDF: 1744090.8/37

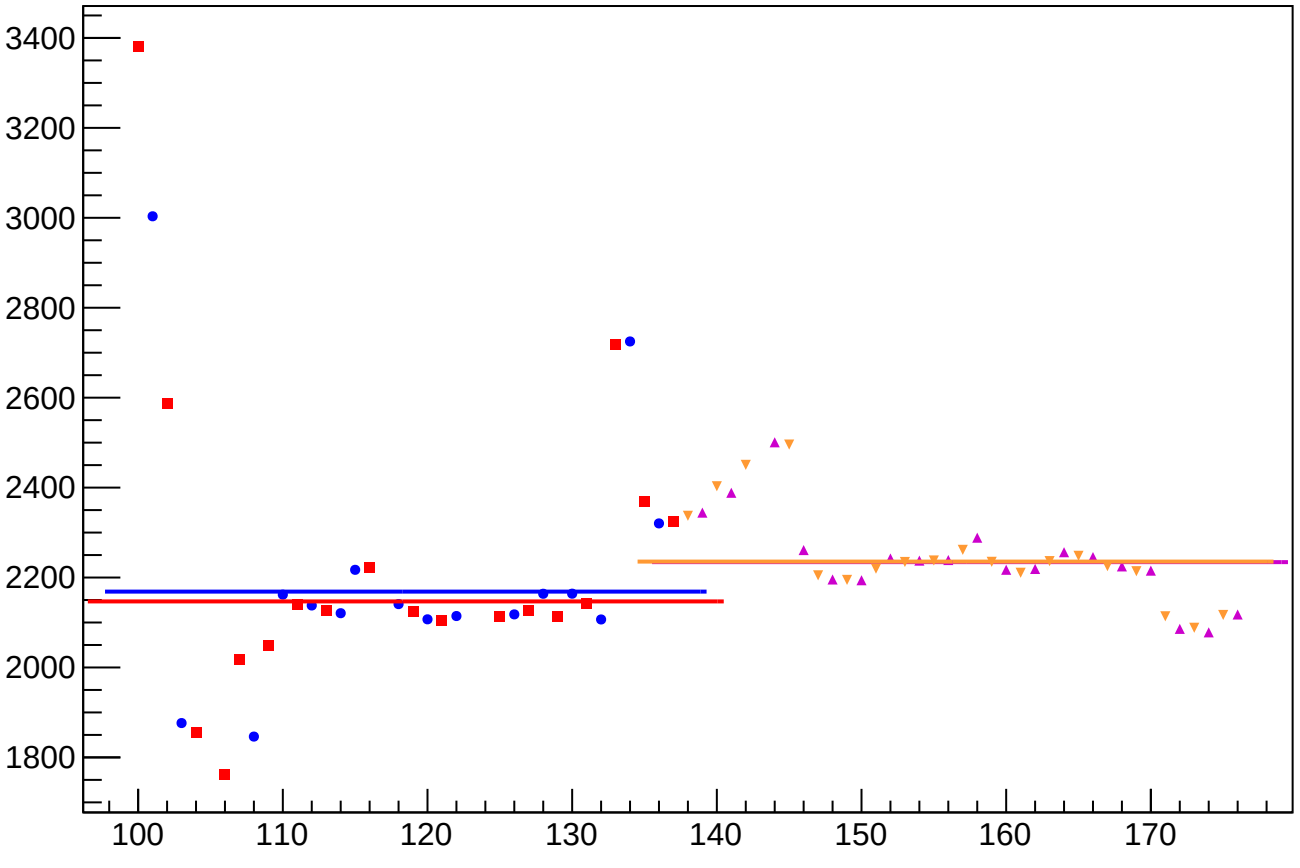
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9574.087+/-1.453 χ^2/NDF:1850632.9/34

Out: 9395.506+/-1.444 χ^2/NDF:1814251.8/36

All: 9484.249+/-1.024 χ^2/NDF: 3672480.8/71


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2279.624+/-576.629 χ²/NDF:27.9/18
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5265.554+/-567.301 χ²/NDF:12.2/18
Left: 3796.933+/-404.400 χ²/NDF: 53.8/37
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5323.535+/-465.147 χ²/NDF:17.6/34
Out: 2849.562+/-469.564 χ²/NDF:43.8/36
All: 4098.237+/-330.459 χ²/NDF: 75.4/71



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2235.471+/-0.408 χ^2/NDF:55609.2/18

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

Left: 2234.855+/-0.286 χ^2/NDF: 111829.7/37

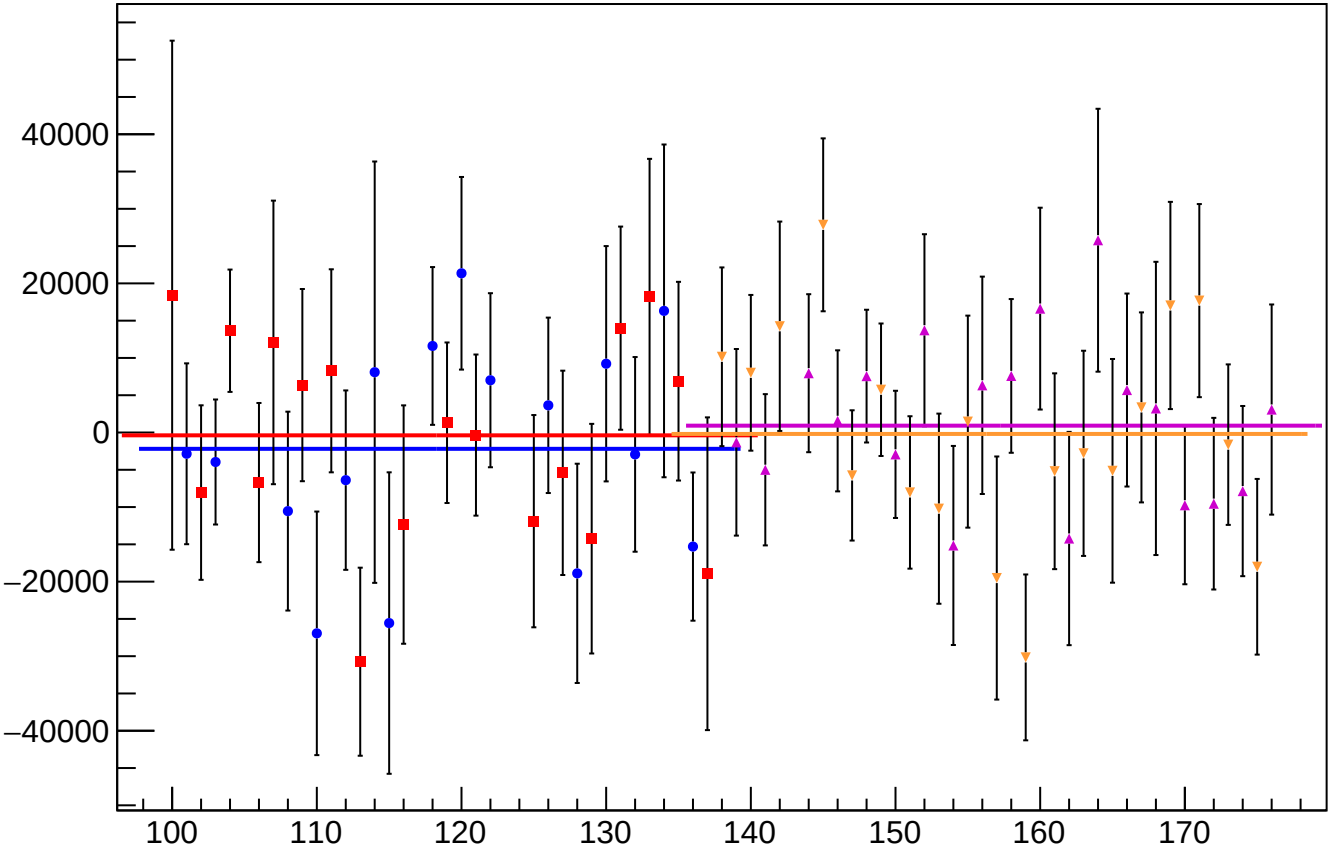
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2212.779+/-0.329 χ^2/NDF:260625.0/34

Out: 2205.432+/-0.331 χ^2/NDF:229365.3/36

All: 2209.134+/-0.233 χ^2/NDF: 490237.8/71

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: -192.579+/-2715.656 χ^2/NDF:25.1/18

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 917.433+/-2676.456 χ^2/NDF:11.6/18

Left: 370.496+/-1906.248 χ^2/NDF: 36.8/37

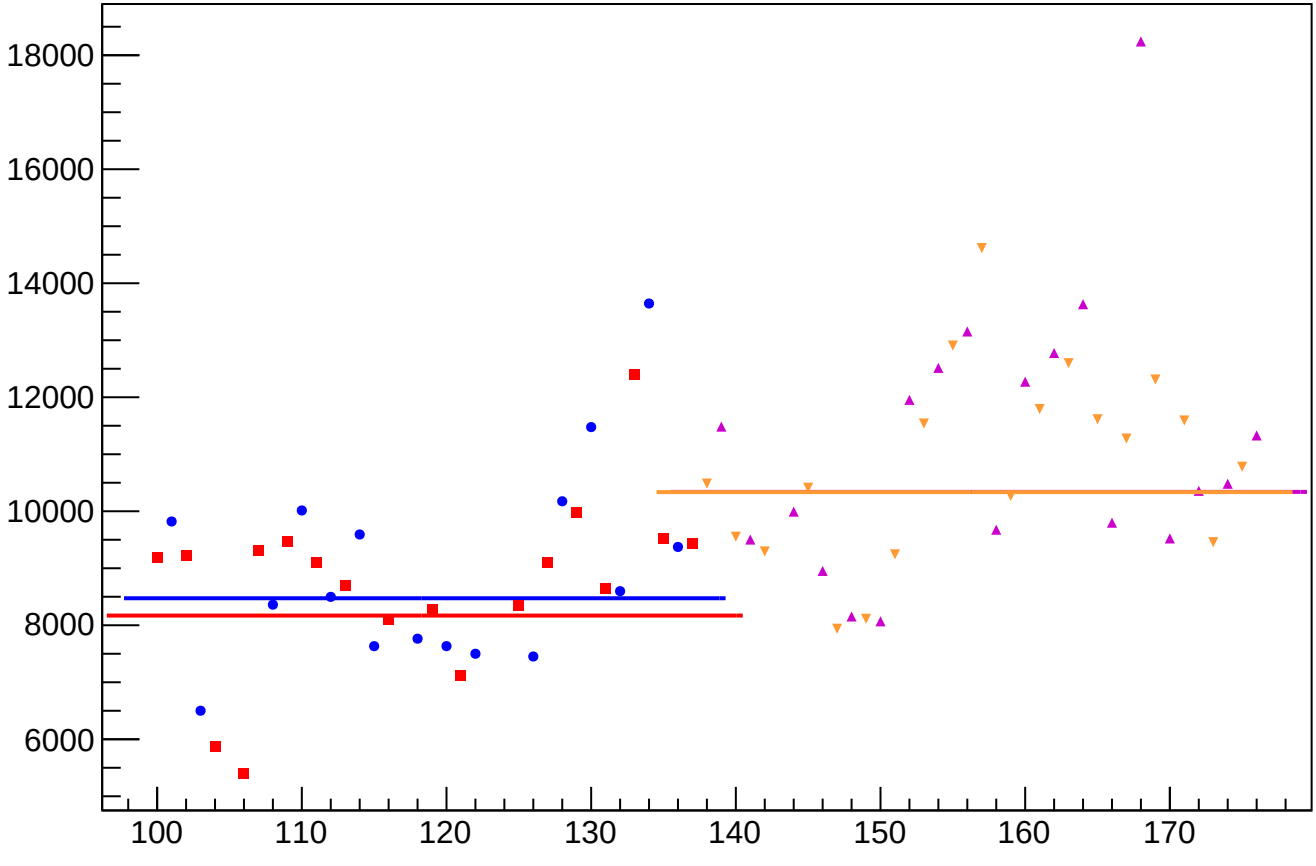
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -357.310+/-2055.264 χ^2/NDF:26.6/34

Out: -273.627+/-2042.695 χ^2/NDF:41.4/36

All: -315.212+/-1448.827 χ^2/NDF: 68.1/71

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10335.976+/-1.920 χ^2/NDF:721900.6/18

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

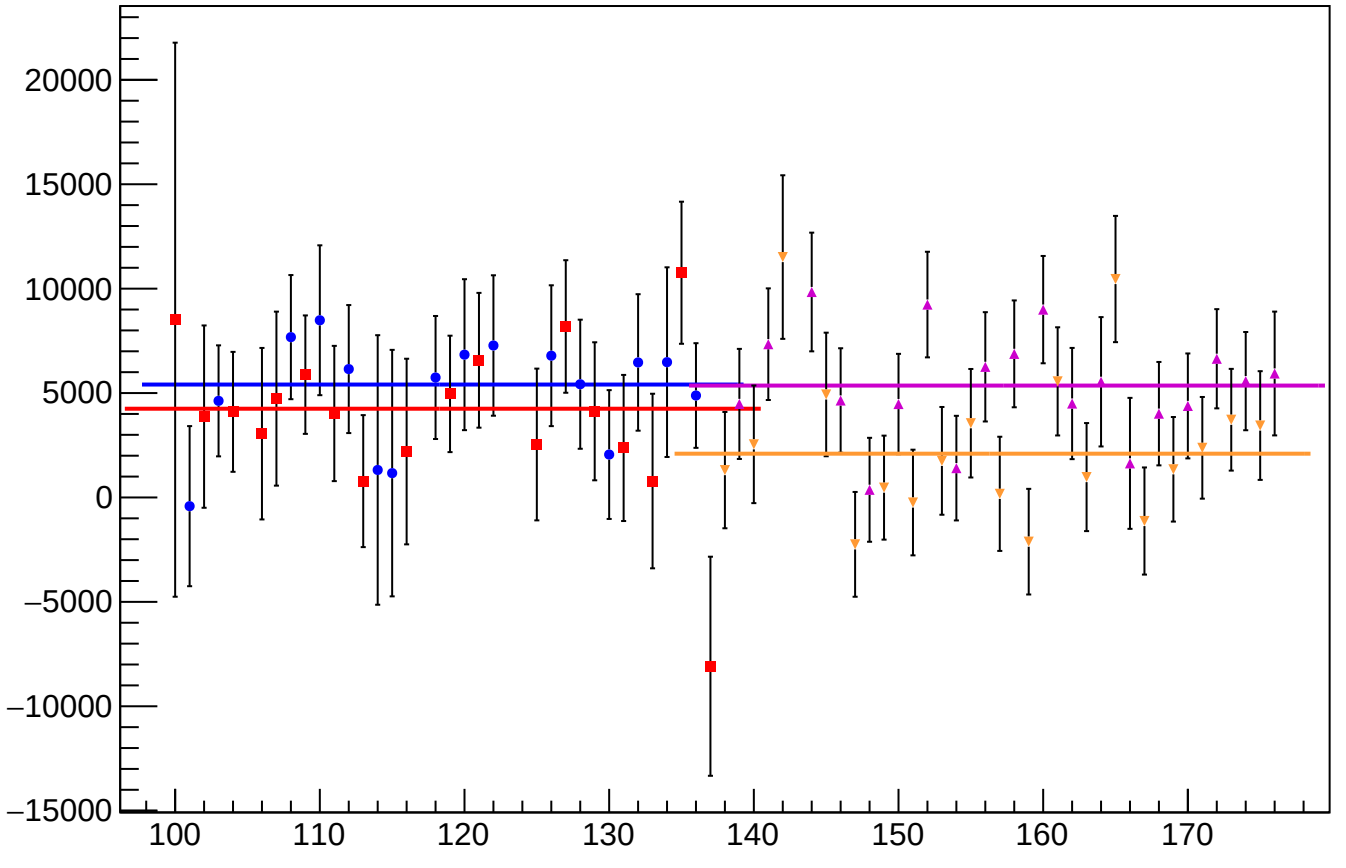
Left: 10337.891+/-1.348 χ^2/NDF: 1744090.8/37

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9574.087+/-1.453 χ^2/NDF:1850632.9/34

Out: 9395.506+/-1.444 χ^2/NDF:1814251.8/36

All: 9484.249+/-1.024 χ^2/NDF: 3672480.8/71



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2096.284+/-608.247 χ^2/NDF:26.7/18

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5358.559+/-596.768 χ^2/NDF:17.0/18

Left: 3758.496+/-425.979 χ^2/NDF: 58.4/37

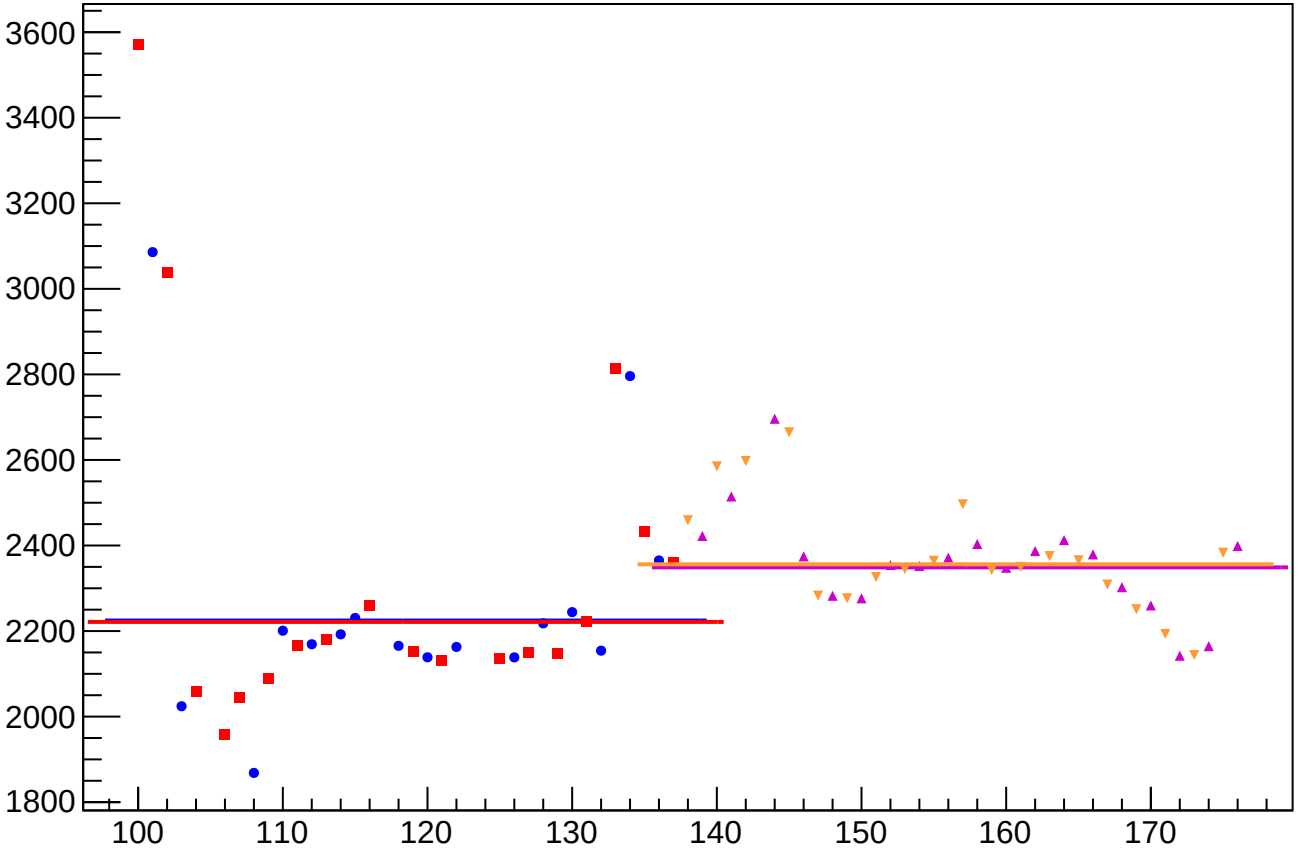
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5375.265+/-485.258 χ^2/NDF:23.7/34

Out: 2837.837+/-492.519 χ^2/NDF:45.5/36

All: 4125.391+/-345.668 χ^2/NDF: 82.7/71

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: 2356.055+/-0.430 χ^2/NDF:83363.8/18

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.862+/-0.422 χ^2/NDF:76256.1/18

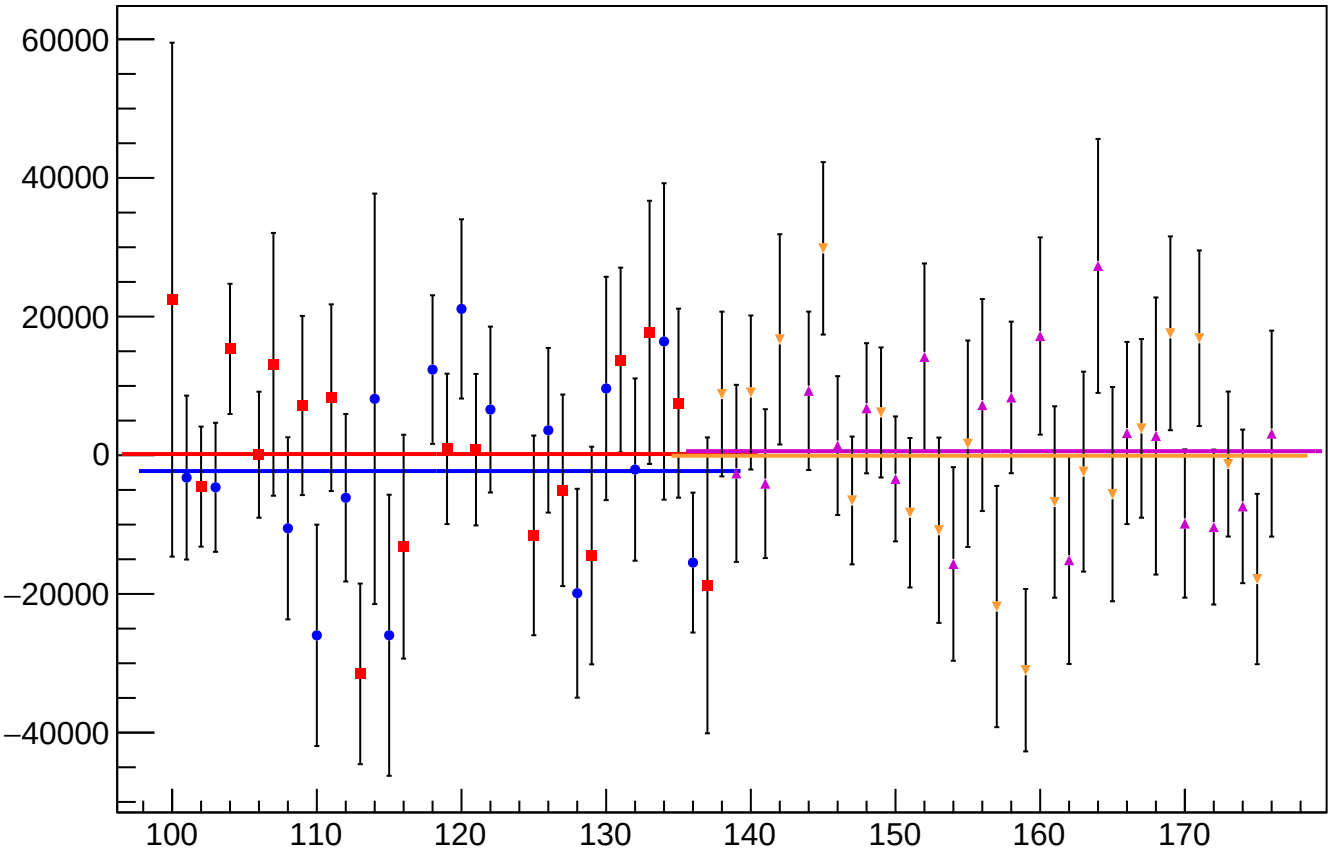
Left: 2352.390+/-0.301 χ^2/NDF: 159762.4/37

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2306.767+/-0.343 χ^2/NDF:290308.3/34

Out: 2309.660+/-0.348 χ^2/NDF:287073.9/36

All: 2308.193+/-0.244 χ^2/NDF: 577417.2/71



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -70.517+/-2818.757 χ^2/NDF:24.9/18

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 590.032+/-2778.720 χ^2/NDF:11.6/18

Left: 264.482+/-1978.855 χ^2/NDF: 36.6/37

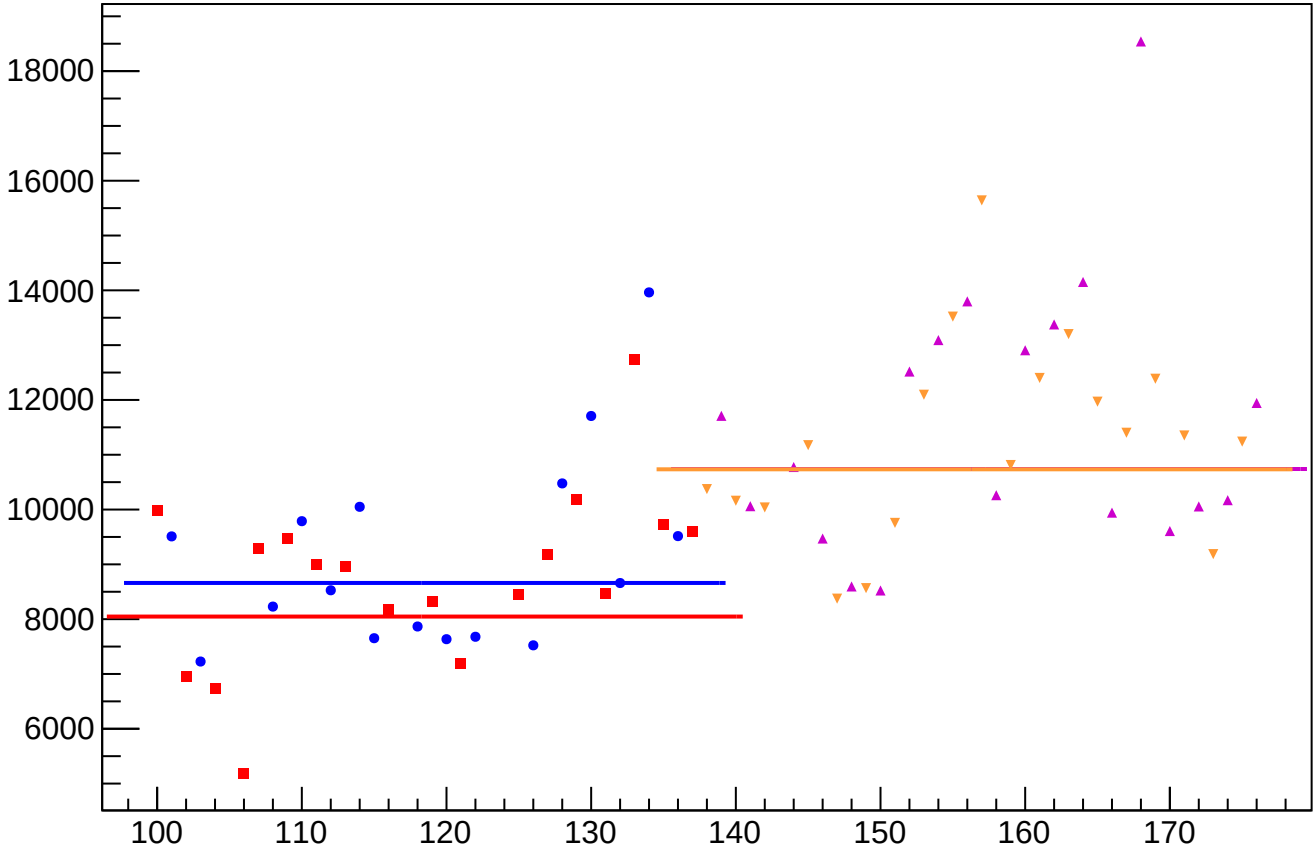
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -612.004+/-2117.940 χ^2/NDF:26.6/34

Out: 44.107+/-2065.494 χ^2/NDF:40.6/36

All: -275.725+/-1478.719 χ^2/NDF: 67.2/71

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10734.417+/-1.993 χ^2/NDF:704144.9/18

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10739.886+/-1.965 χ^2/NDF:990745.9/18

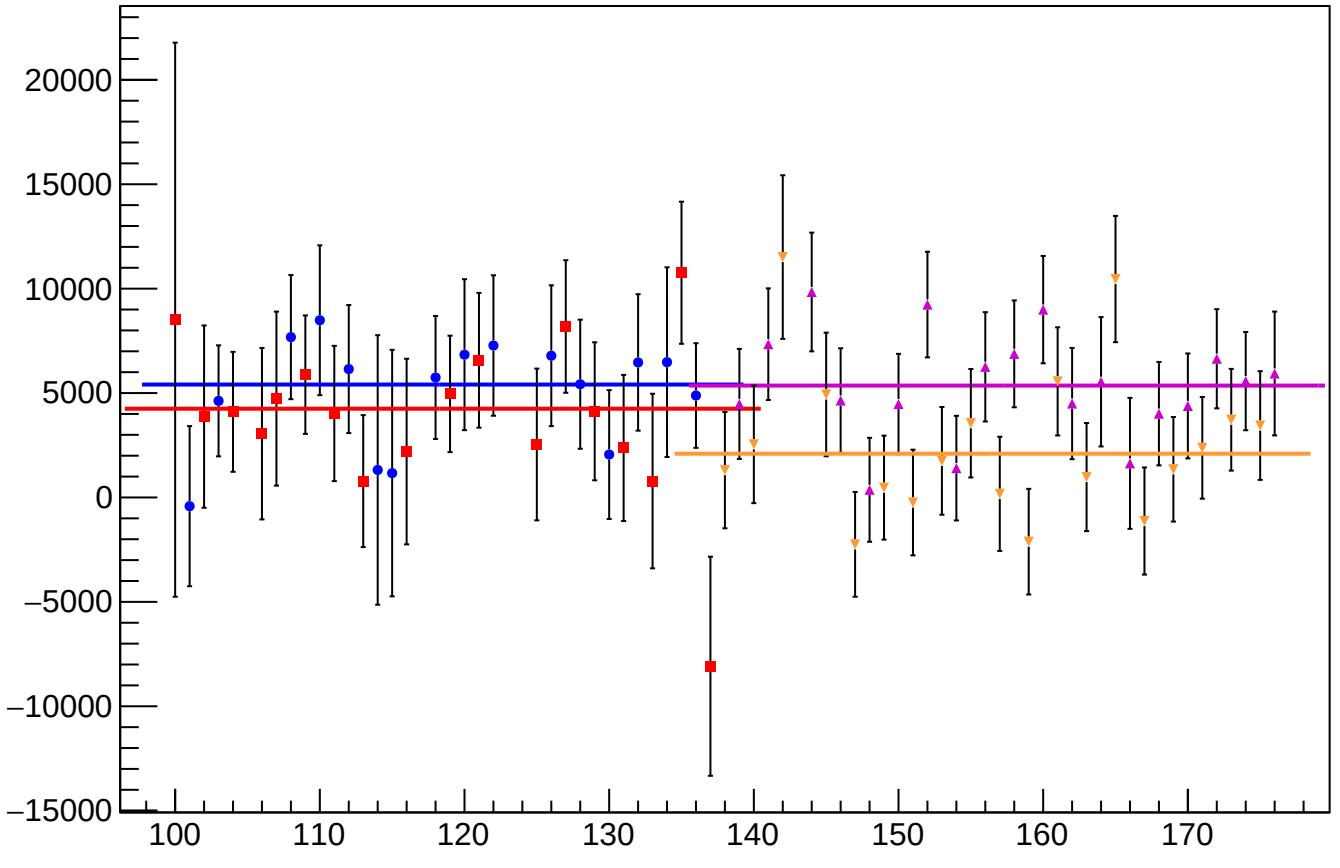
Left: 10737.191+/-1.399 χ^2/NDF: 1694894.6/37

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9868.614+/-1.498 χ^2/NDF:1817932.3/34

Out: 9490.218+/-1.461 χ^2/NDF:2104226.2/36

All: 9674.673+/-1.046 χ^2/NDF: 3954879.0/71



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2096.273+/-608.248 χ^2/NDF:26.7/18

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5358.564+/-596.769 χ^2/NDF:17.0/18

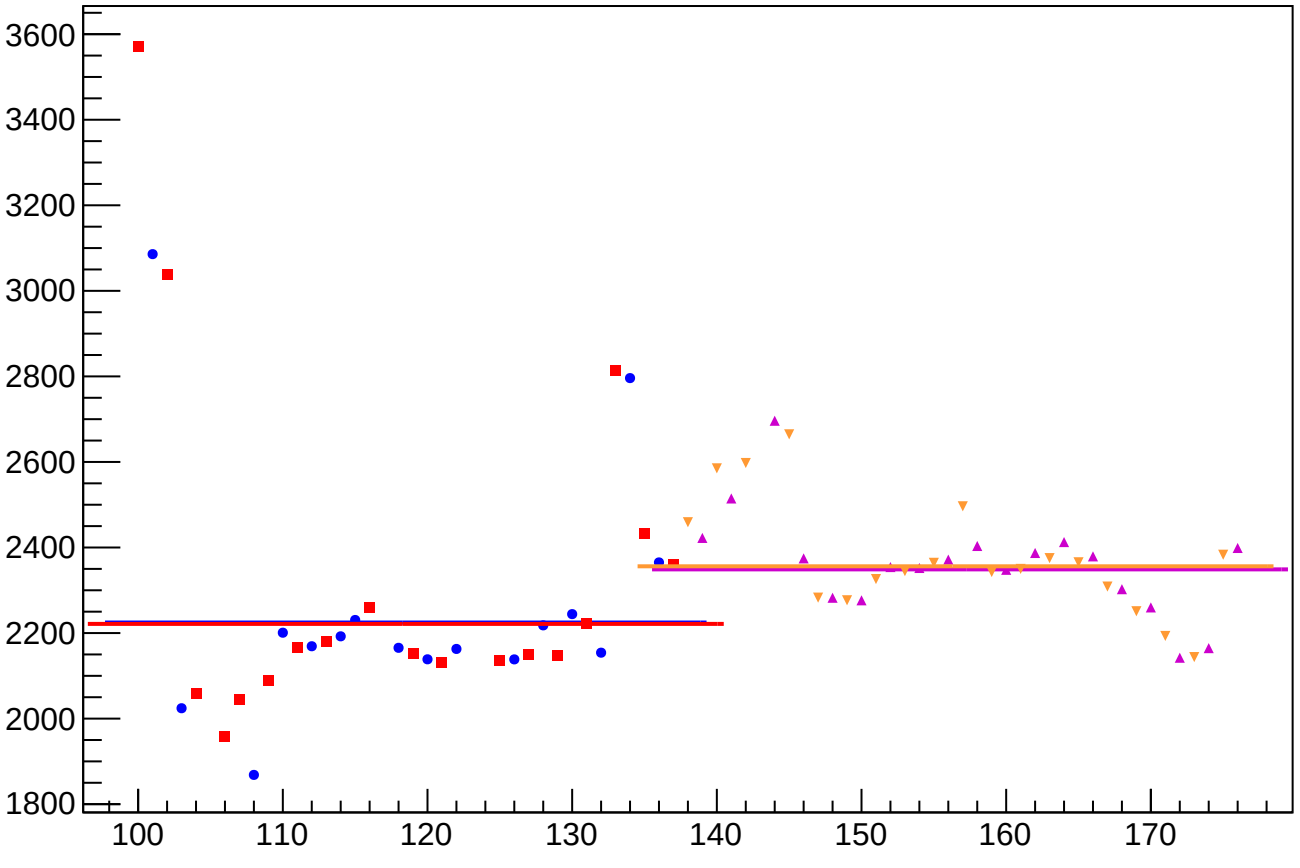
Left: 3758.492+/-425.980 χ^2/NDF: 58.4/37

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5375.268+/-485.259 χ^2/NDF:23.7/34

Out: 2837.833+/-492.519 χ^2/NDF:45.5/36

All: 4125.390+/-345.668 χ^2/NDF: 82.7/71



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2356.057+/-0.430 χ^2/NDF:83366.9/18

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.865+/-0.422 χ^2/NDF:76258.8/18

Left: 2352.392+/-0.301 χ^2/NDF: 159768.2/37

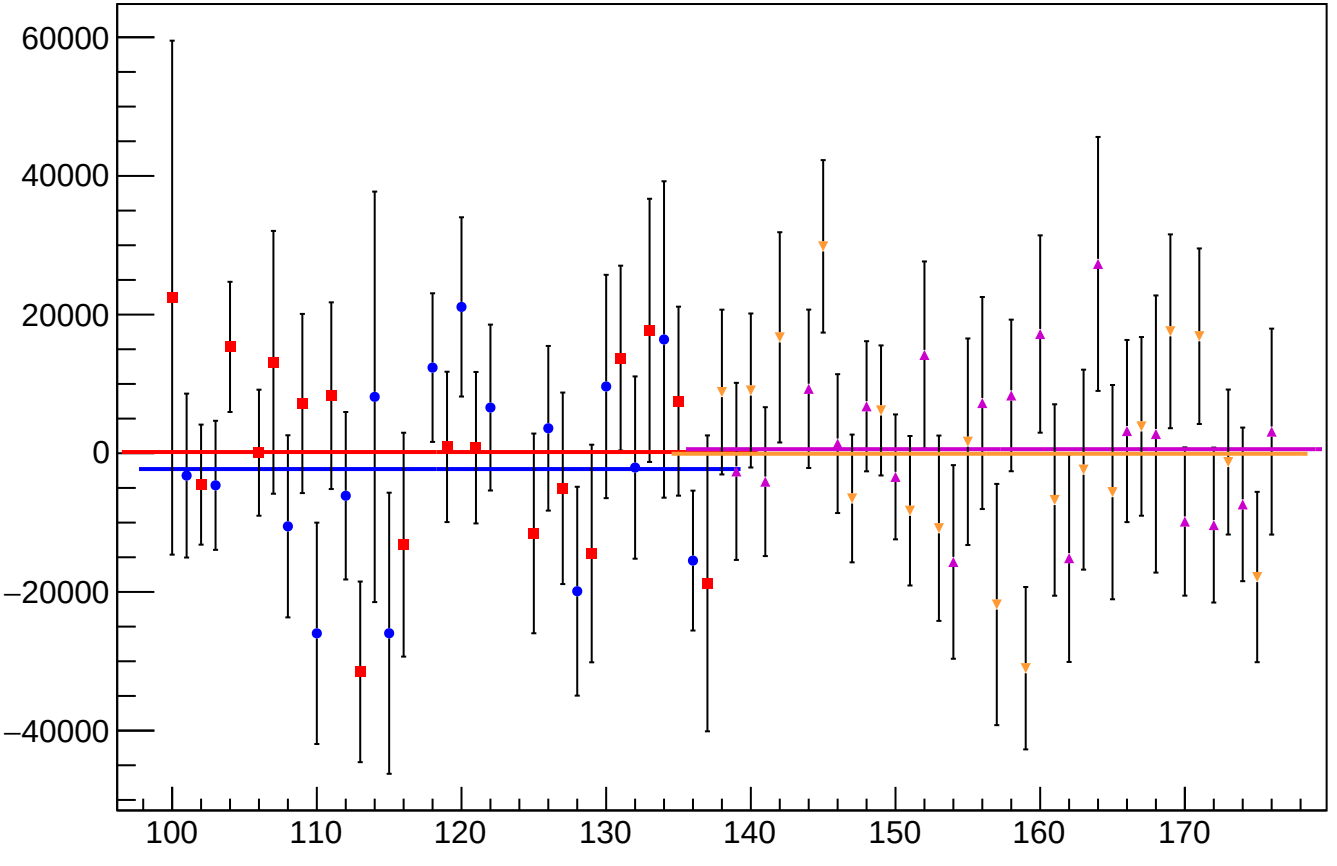
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2306.769+/-0.343 χ^2/NDF:290312.8/34

Out: 2309.661+/-0.348 χ^2/NDF:287078.4/36

All: 2308.194+/-0.244 χ^2/NDF: 577426.1/71

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: -70.525+/-2818.761 χ^2/NDF:24.9/18

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 590.032+/-2778.724 χ^2/NDF:11.6/18

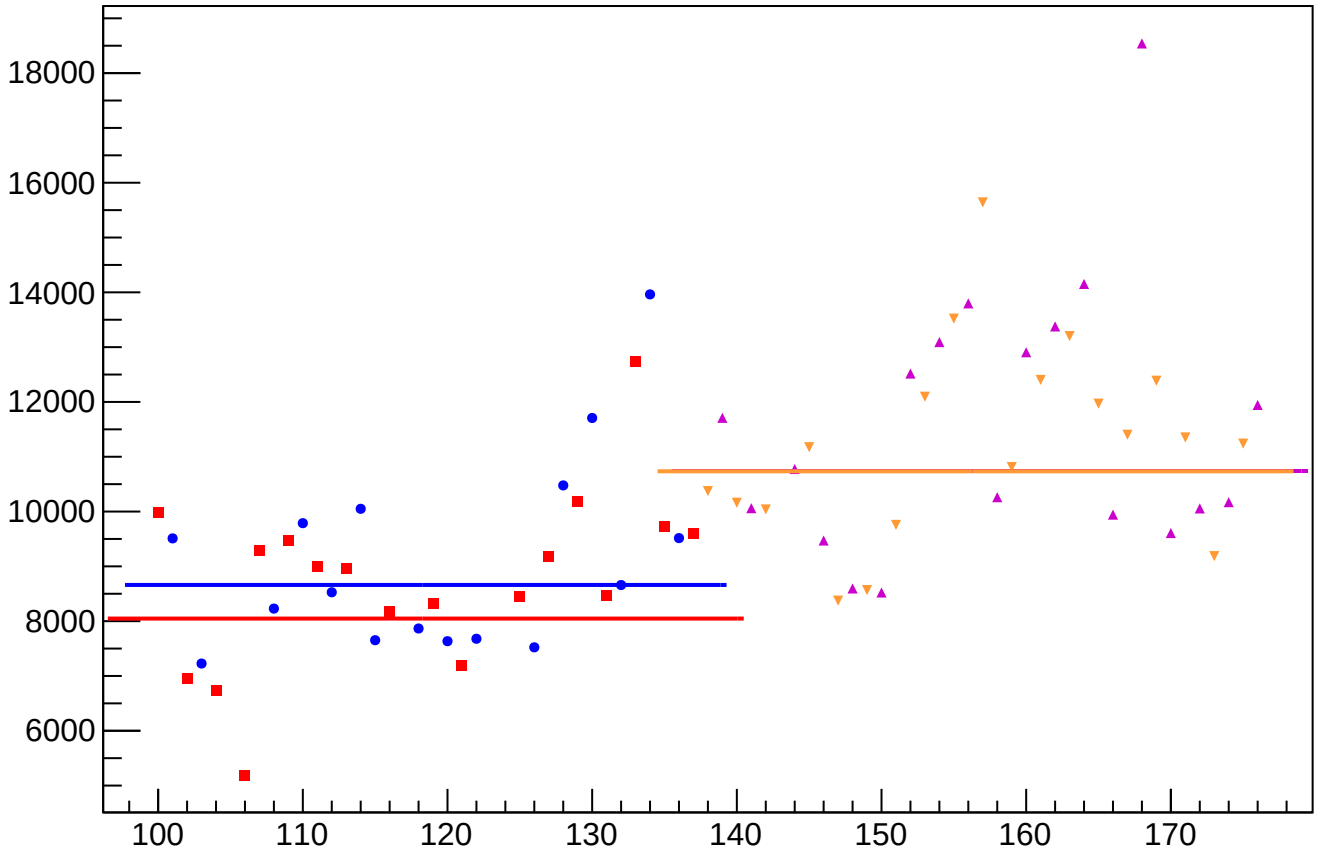
Left: 264.478+/-1978.858 χ^2/NDF: 36.6/37

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -612.001+/-2117.940 χ^2/NDF:26.6/34

Out: 44.106+/-2065.494 χ^2/NDF:40.6/36

All: -275.724+/-1478.719 χ^2/NDF: 67.2/71



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10734.435+/-1.993 χ^2/NDF:704146.1/18

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10739.902+/-1.965 χ^2/NDF:990747.7/18

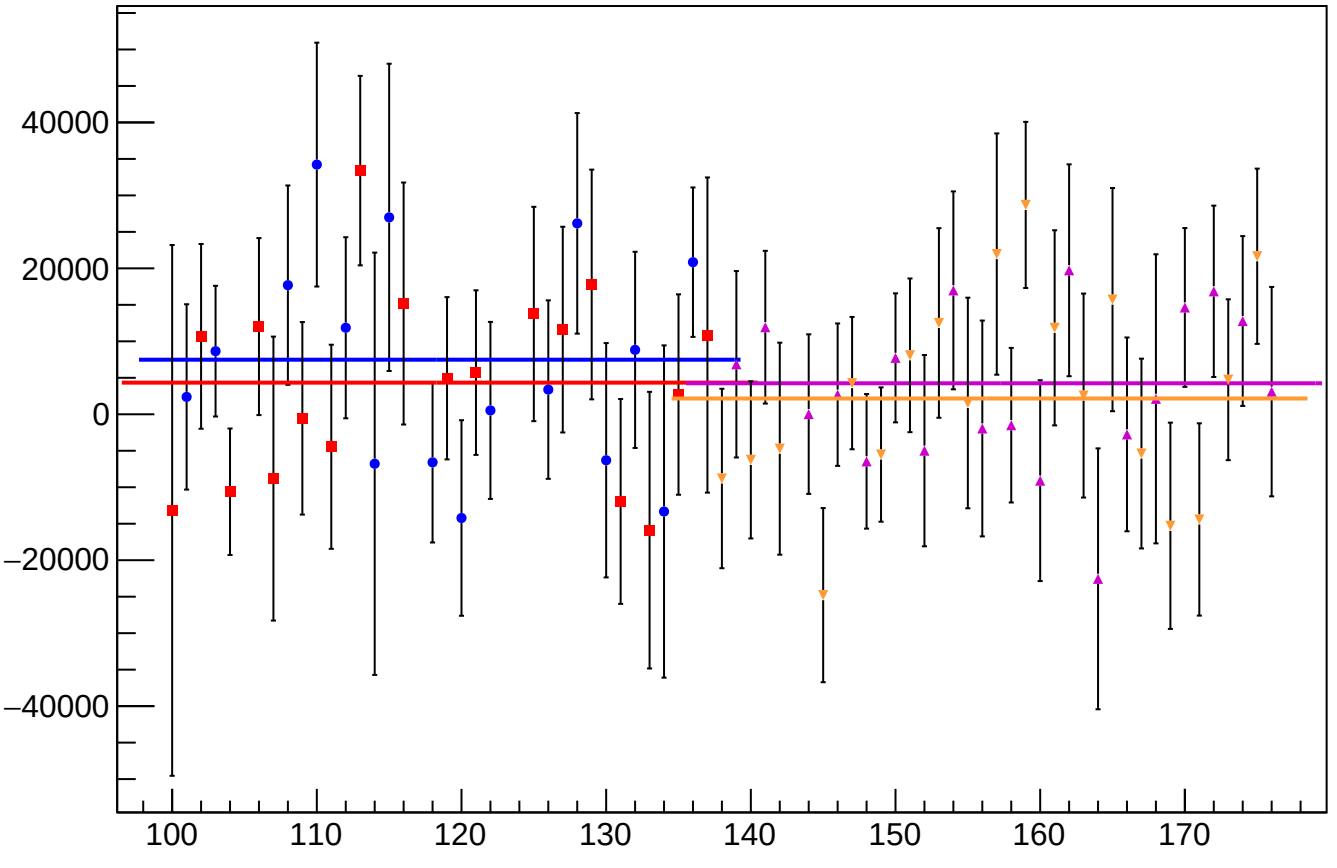
Left: 10737.208+/-1.399 χ^2/NDF: 1694897.7/37

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9868.611+/-1.498 χ^2/NDF:1817954.1/34

Out: 9490.214+/-1.461 χ^2/NDF:2104248.6/36

All: 9674.669+/-1.046 χ^2/NDF: 3954923.2/71



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2163.763+/-2785.582 χ^2/NDF:22.7/18

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4248.277+/-2745.026 χ^2/NDF:11.3/18

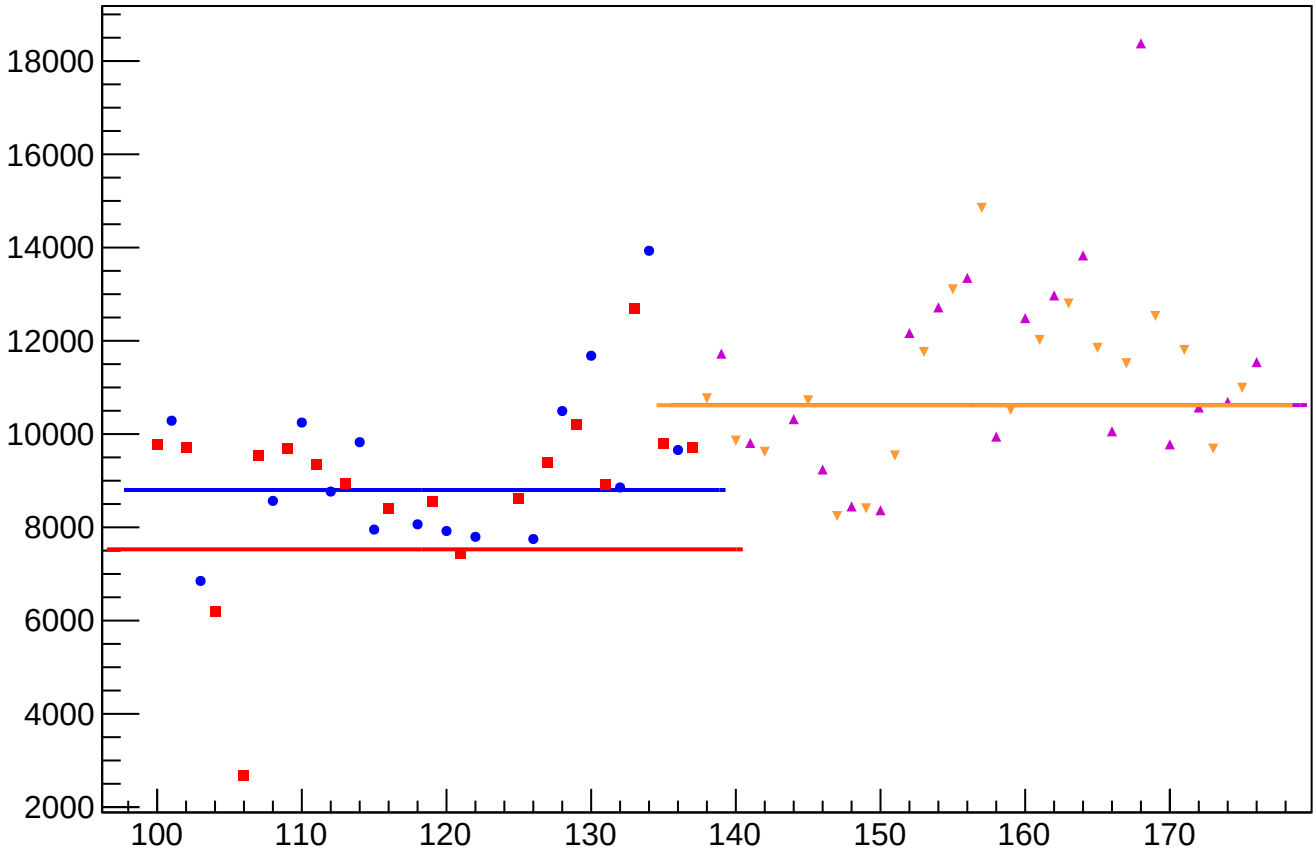
Left: 3221.305+/-1955.207 χ^2/NDF: 34.3/37

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5556.097+/-2118.369 χ^2/NDF:25.9/34

Out: 3087.050+/-2112.976 χ^2/NDF:37.3/36

All: 4318.427+/-1496.003 χ^2/NDF: 63.9/71



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10619.120+/-1.970 χ^2/NDF:661694.4/18

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10621.048+/-1.941 χ^2/NDF:945922.3/18

Left: 10620.098+/-1.383 χ^2/NDF: 1607617.1/37

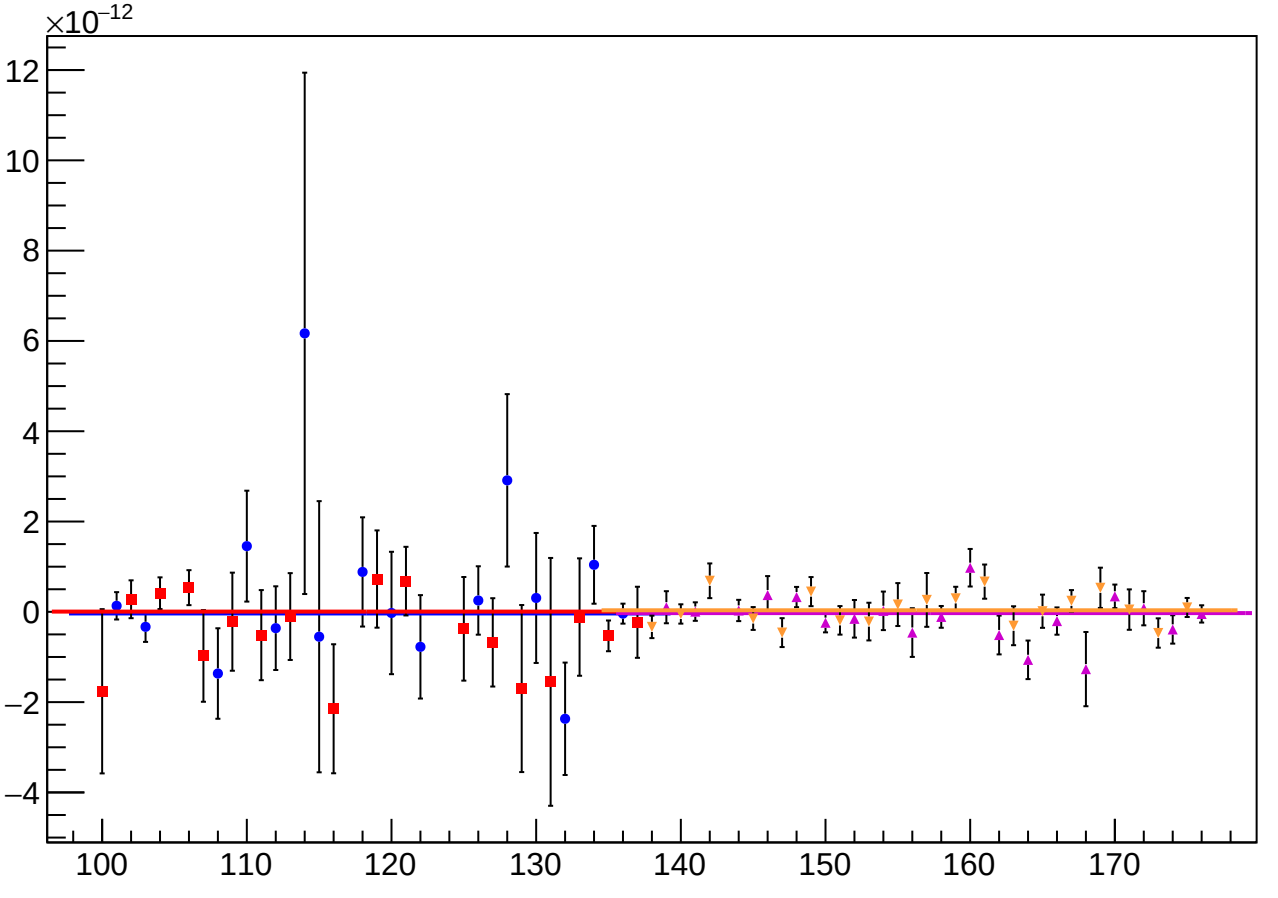
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9884.930+/-1.498 χ^2/NDF:1696087.2/34

Out: 9192.936+/-1.446 χ^2/NDF:3455357.2/36

All: 9526.644+/-1.040 χ^2/NDF: 5261944.5/71

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:19.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/18

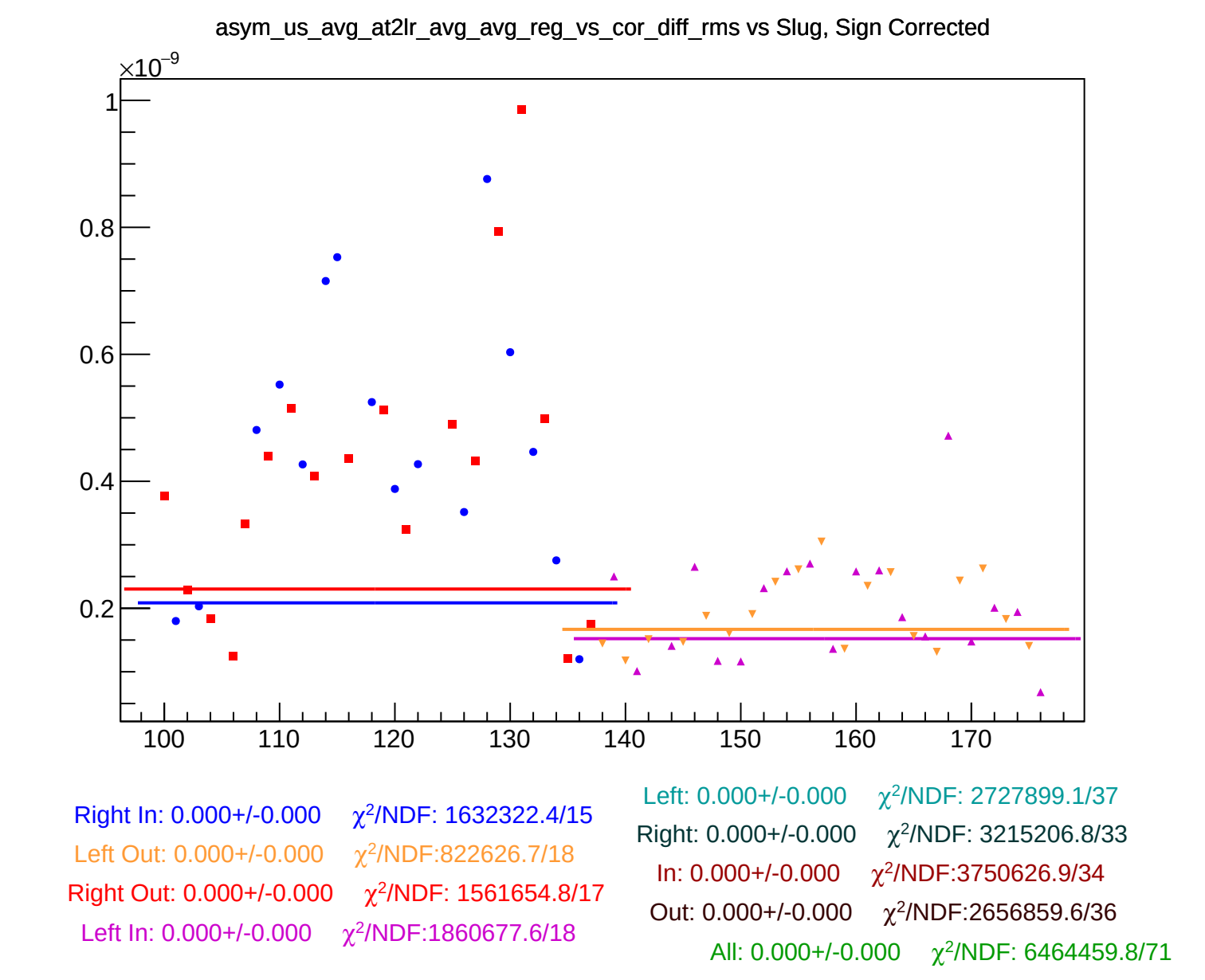
Left: 0.000+/-0.000 χ^2/NDF: 44.8/37

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

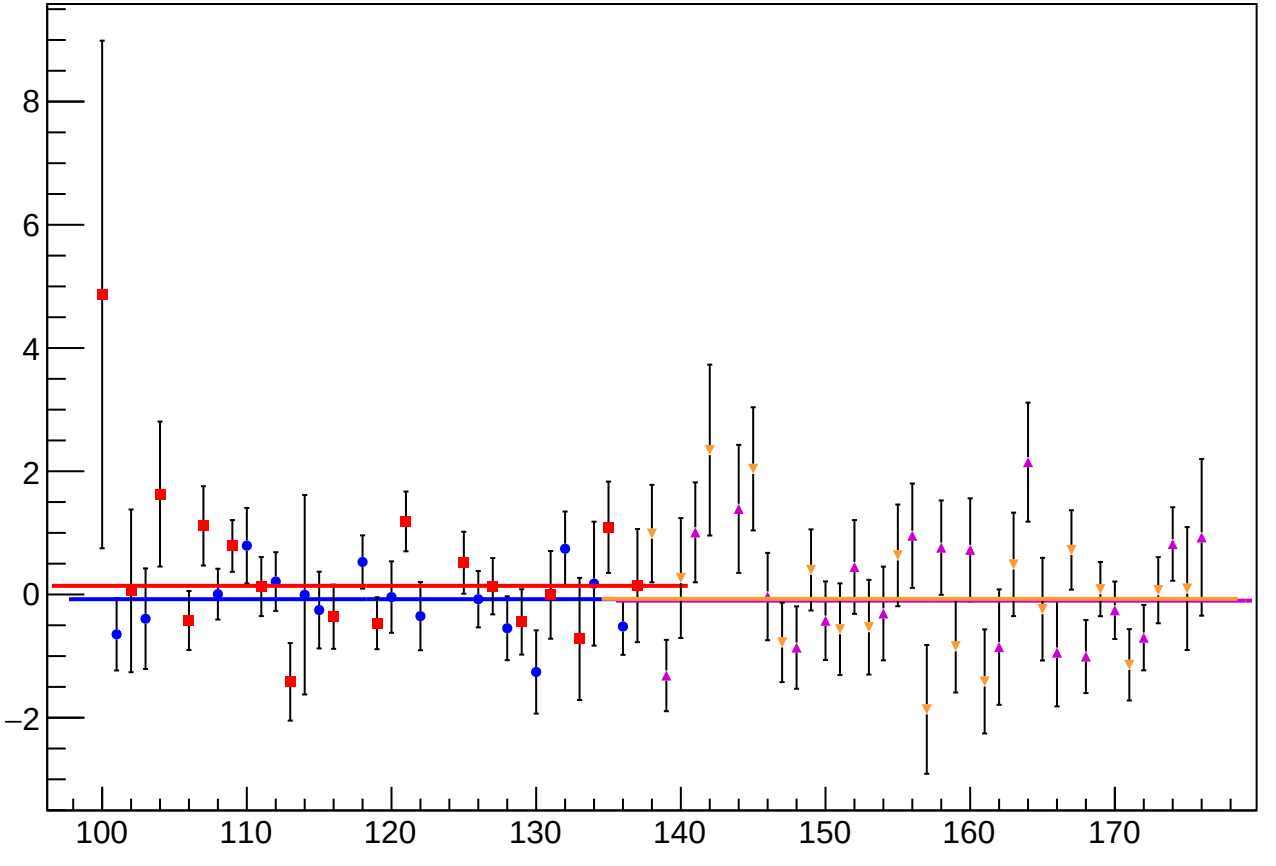
In: -0.000+/-0.000 χ^2/NDF:38.8/34

Out: 0.000+/-0.000 χ^2/NDF:33.6/36

All: -0.000+/-0.000 χ^2/NDF: 72.9/71


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:822626.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:1860677.6/18
Left: 0.000+/-0.000 χ²/NDF: 2727899.1/37
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:3750626.9/34
Out: 0.000+/-0.000 χ²/NDF:2656859.6/36
All: 0.000+/-0.000 χ²/NDF: 6464459.8/71

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: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

Left: -0.086+/-0.116 χ^2/NDF: 52.8/37

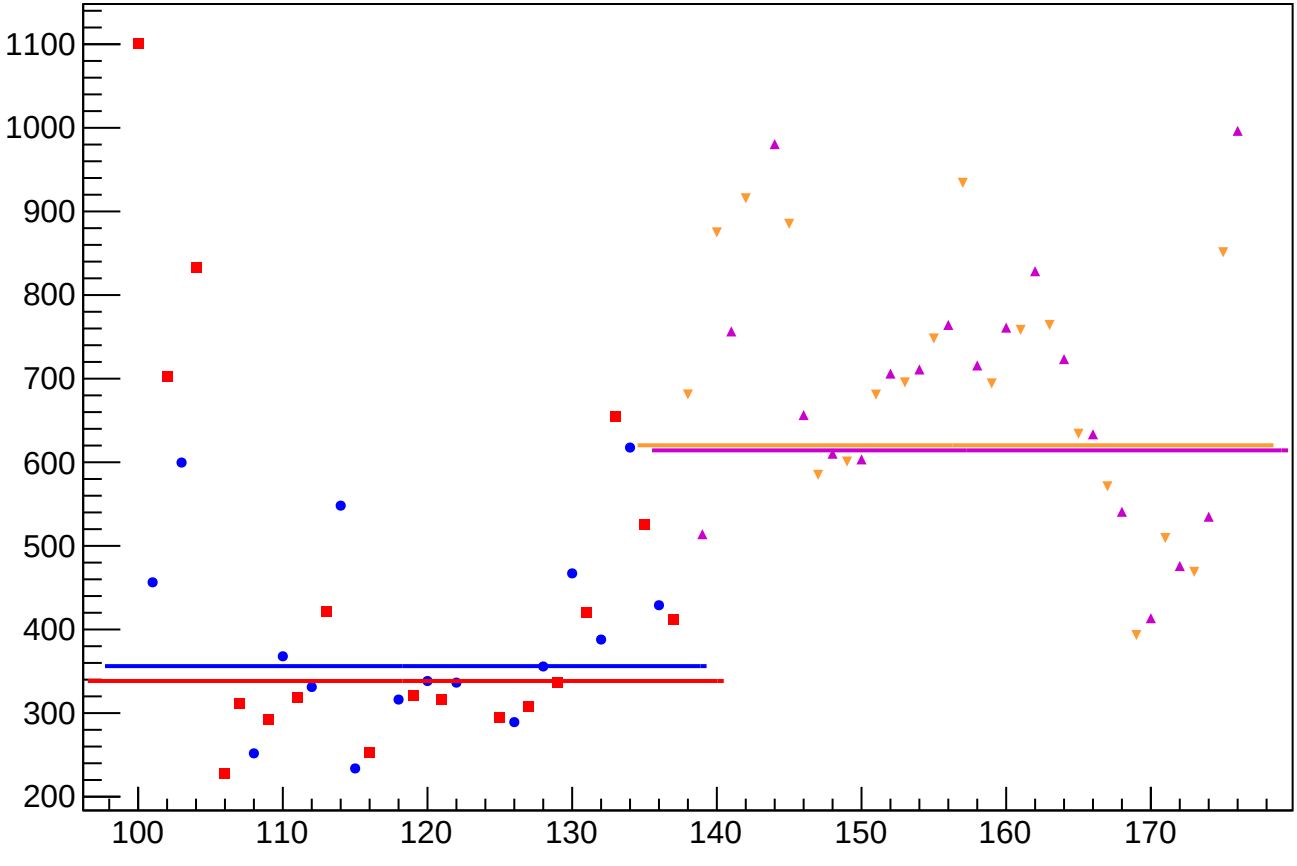
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.5/34

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.016+/-0.075 χ^2/NDF: 94.1/71

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: 620.325+/-0.118 χ^2/NDF:1663209.8/18

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

Left: 617.187+/-0.082 χ^2/NDF: 3148076.4/37

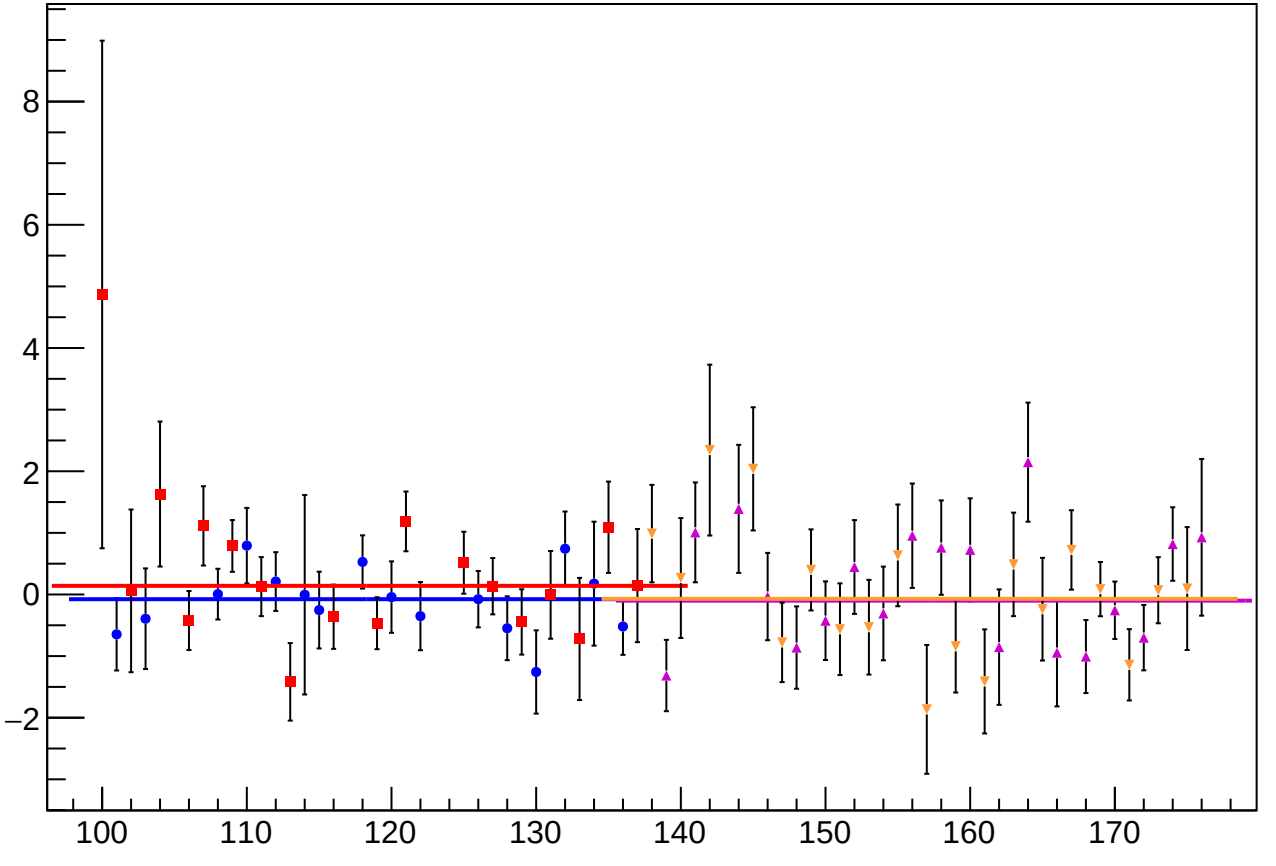
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 466.335+/-0.075 χ^2/NDF:5172958.6/34

Out: 452.732+/-0.075 χ^2/NDF:6252572.4/36

All: 459.564+/-0.053 χ^2/NDF: 11441955.0/71

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: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

Left: -0.086+/-0.116 χ^2/NDF: 52.8/37

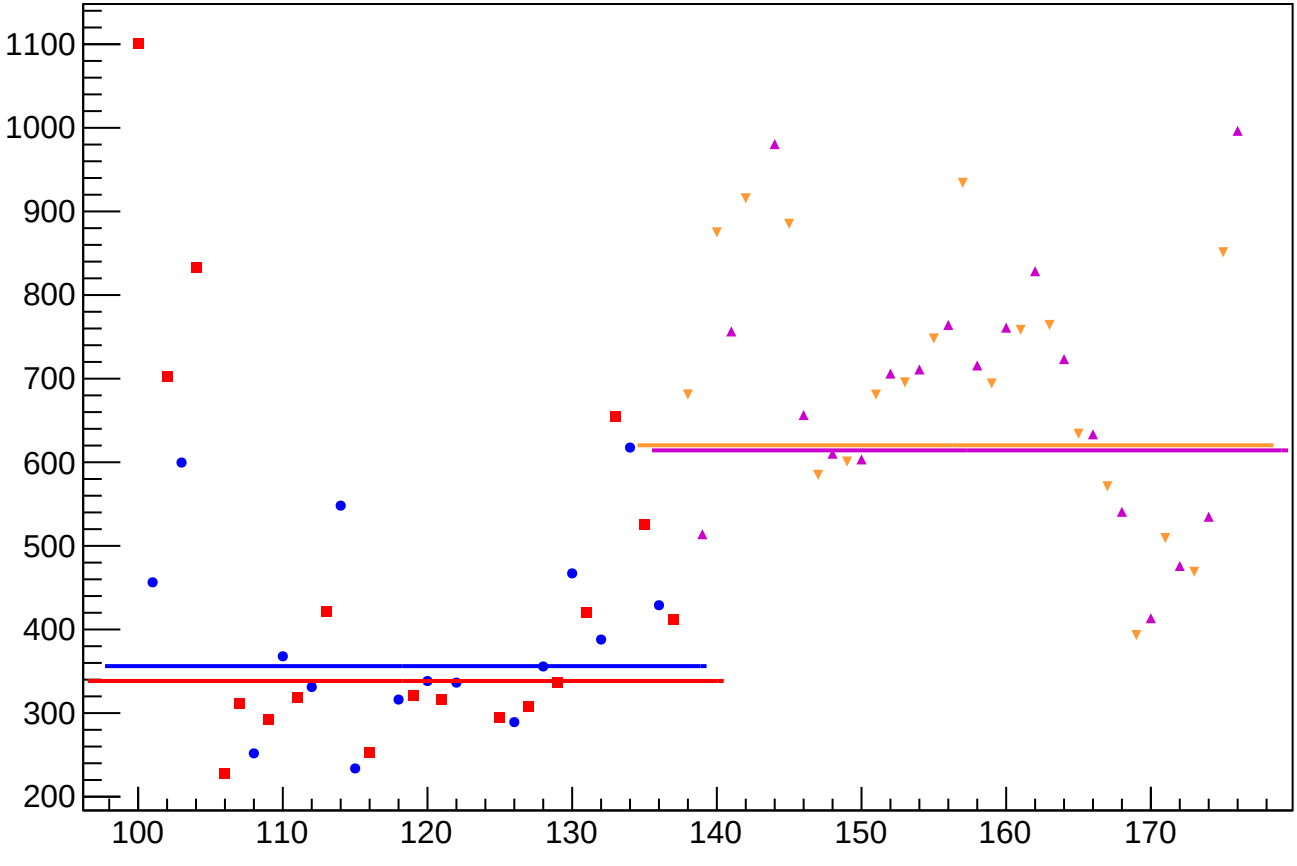
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.5/34

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.016+/-0.075 χ^2/NDF: 94.1/71

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 620.325+/-0.118 χ^2/NDF:1663209.8/18

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

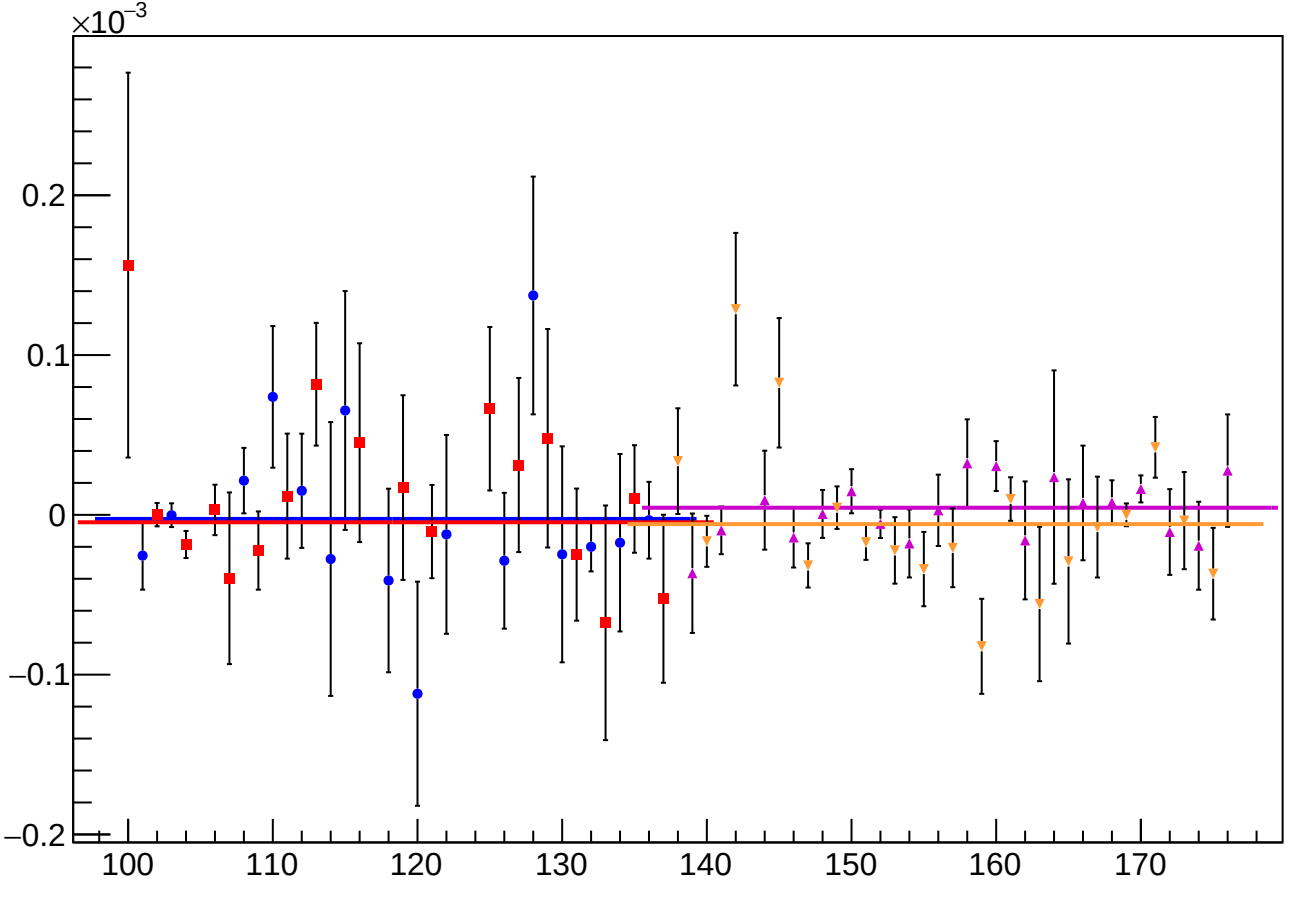
Left: 617.187+/-0.082 χ^2/NDF: 3148076.4/37

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 466.335+/-0.075 χ^2/NDF:5172958.6/34

Out: 452.732+/-0.075 χ^2/NDF:6252572.4/36

All: 459.564+/-0.053 χ^2/NDF: 11441955.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/18

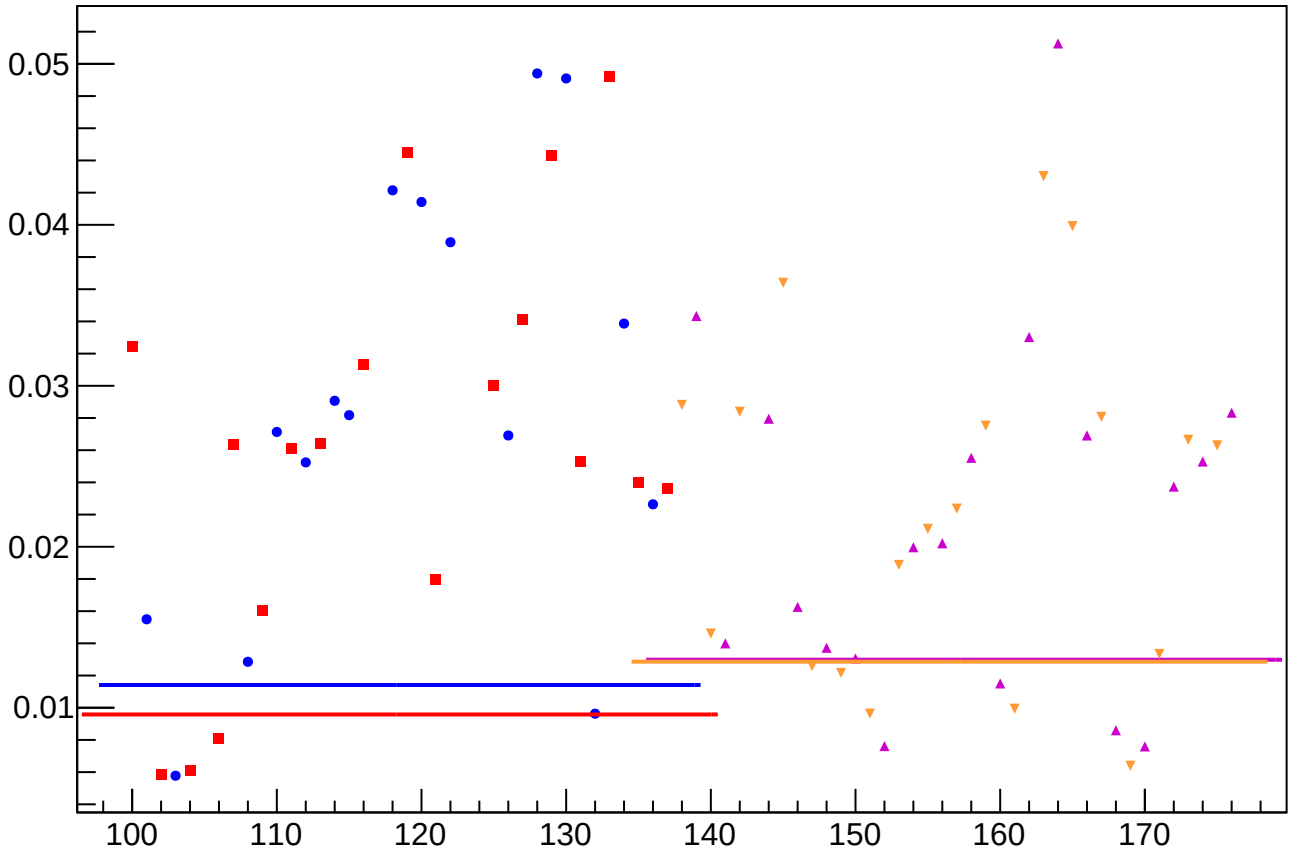
Left: -0.000+/-0.000 χ^2/NDF: 56.9/37

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:29.9/34

Out: -0.000+/-0.000 χ^2/NDF:56.8/36

All: -0.000+/-0.000 χ^2/NDF: 89.6/71



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:7143880.0/18

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6453318.9/18

Left: 0.013+/-0.000 χ^2/NDF: 13598124.5/37

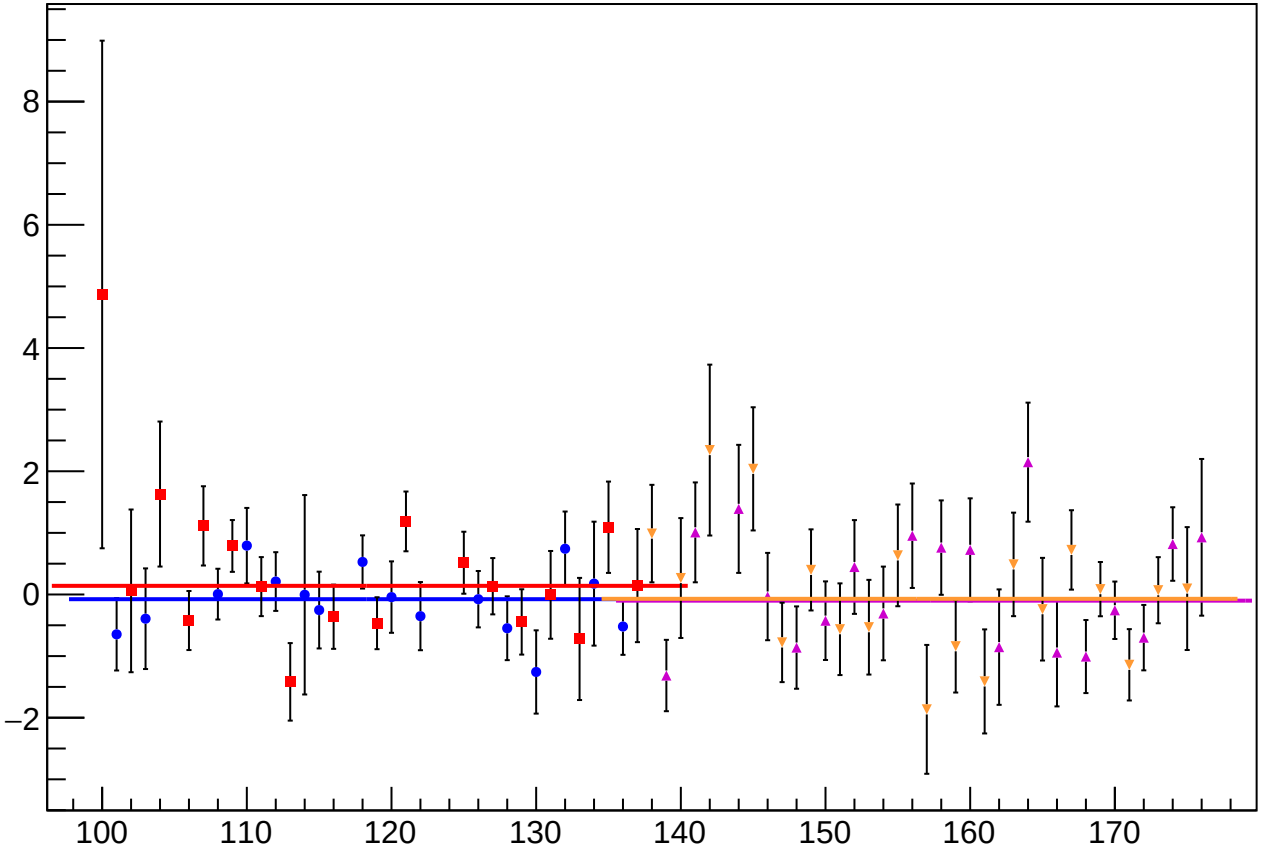
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:12060753.4/34

Out: 0.012+/-0.000 χ^2/NDF:13498789.8/36

All: 0.012+/-0.000 χ^2/NDF: 25653507.7/71

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: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

Left: -0.086+/-0.116 χ^2/NDF: 52.8/37

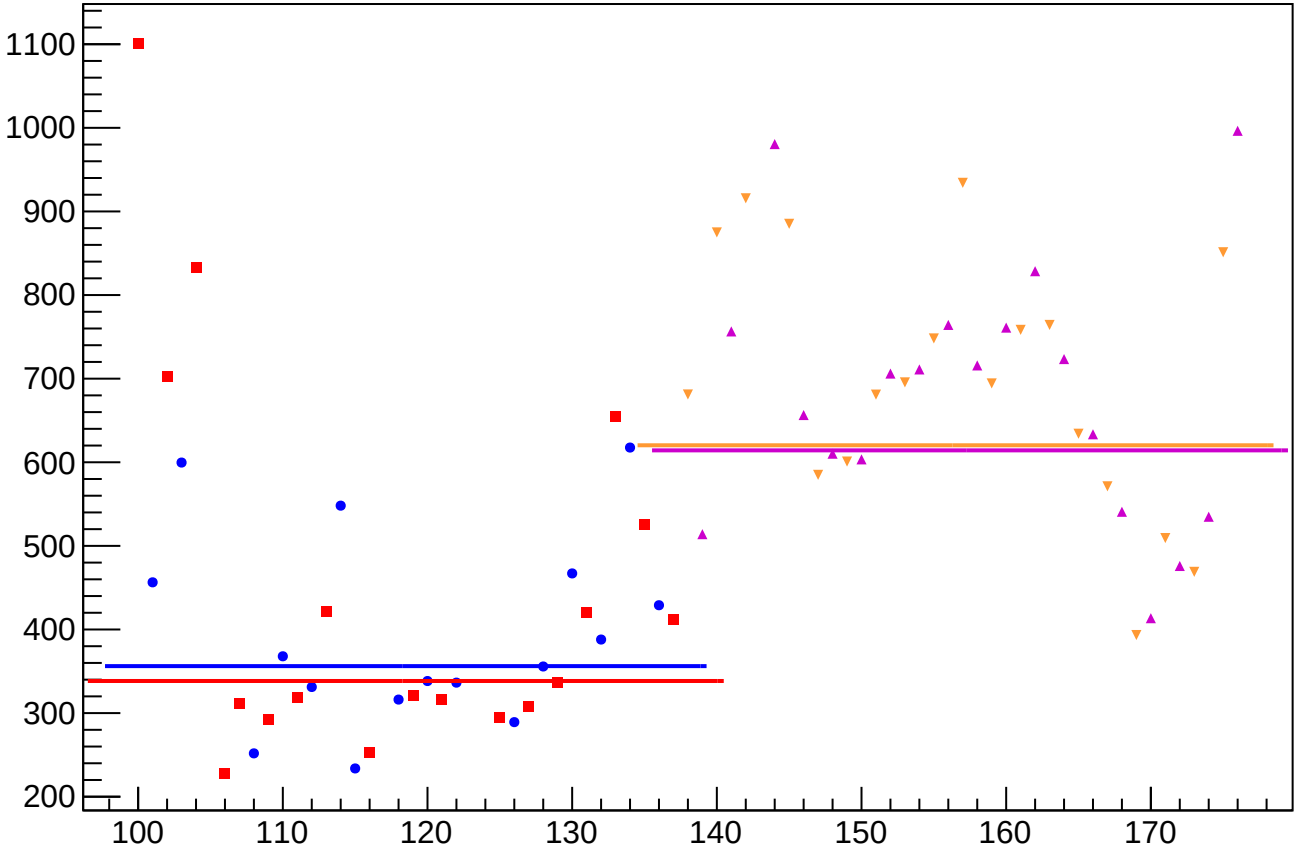
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.6/34

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.016+/-0.075 χ^2/NDF: 94.1/71

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: 620.325+/-0.118 χ^2/NDF:1663372.6/18

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

Left: 617.189+/-0.082 χ^2/NDF: 3148359.7/37

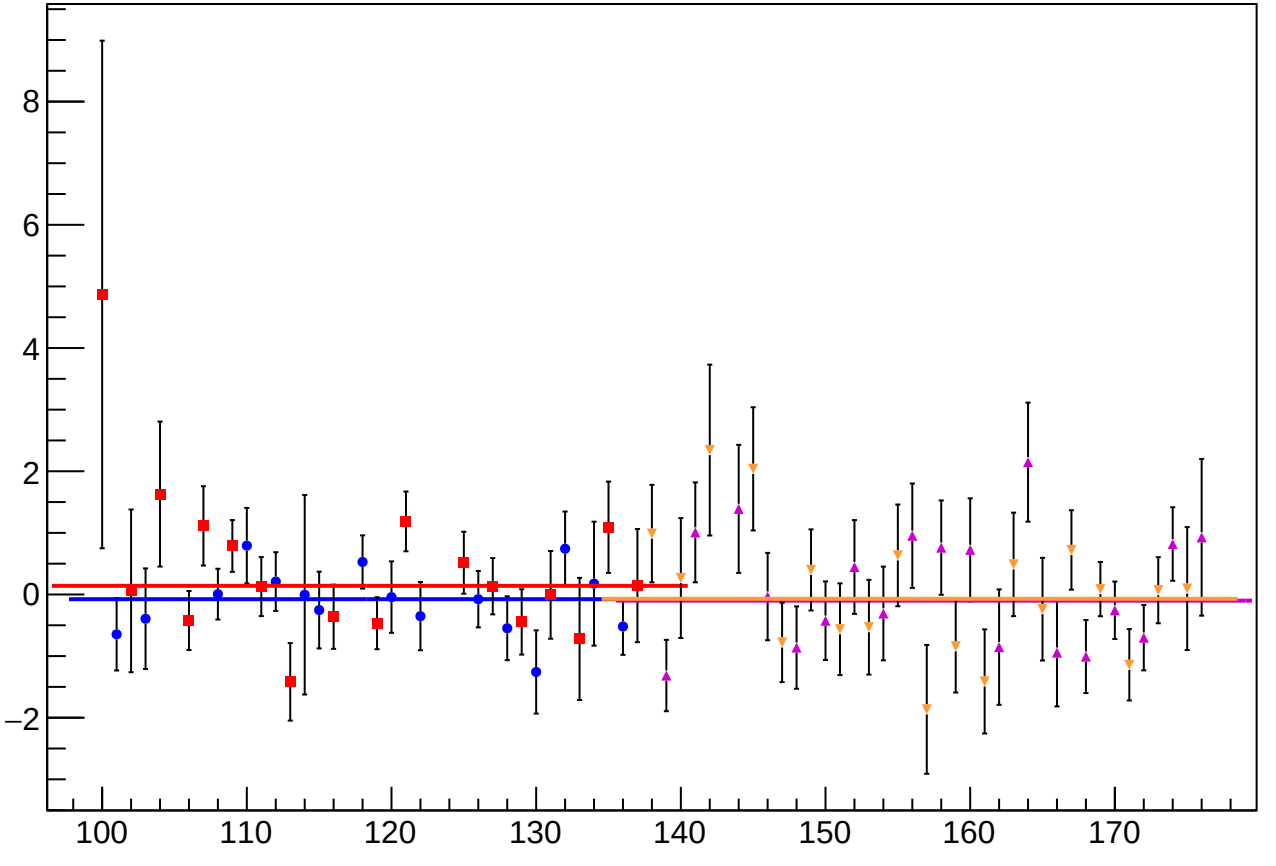
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 466.334+/-0.075 χ^2/NDF:5173128.1/34

Out: 452.729+/-0.075 χ^2/NDF:6252769.8/36

All: 459.562+/-0.053 χ^2/NDF: 11442325.5/71

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: -0.070+/-0.167 χ^2/NDF:24.8/18

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

Left: -0.086+/-0.116 χ^2/NDF: 52.8/37

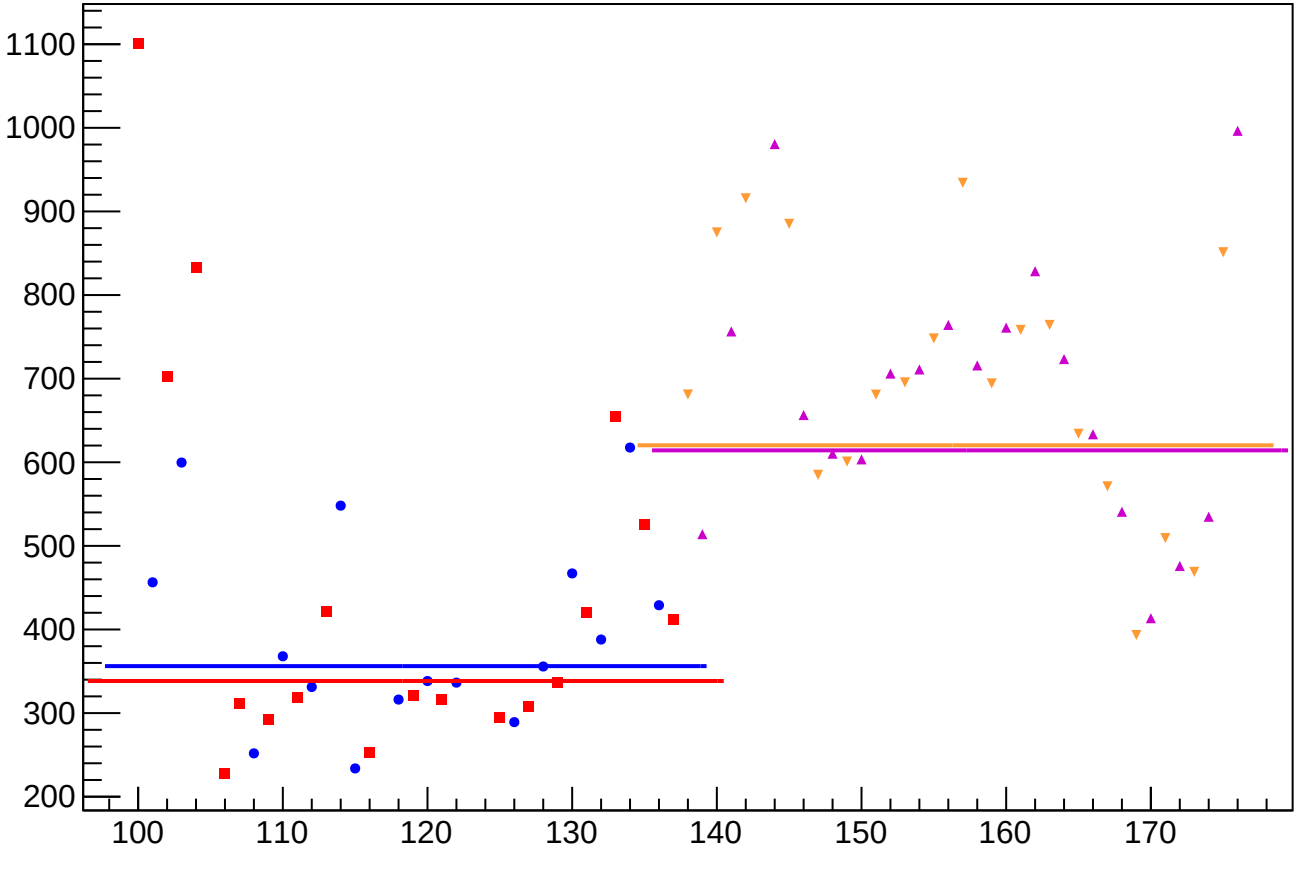
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.6/34

Out: 0.055+/-0.106 χ^2/NDF:52.7/36

All: -0.016+/-0.075 χ^2/NDF: 94.1/71

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: 620.325+/-0.118 χ^2/NDF:1663372.6/18

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

Left: 617.189+/-0.082 χ^2/NDF: 3148359.7/37

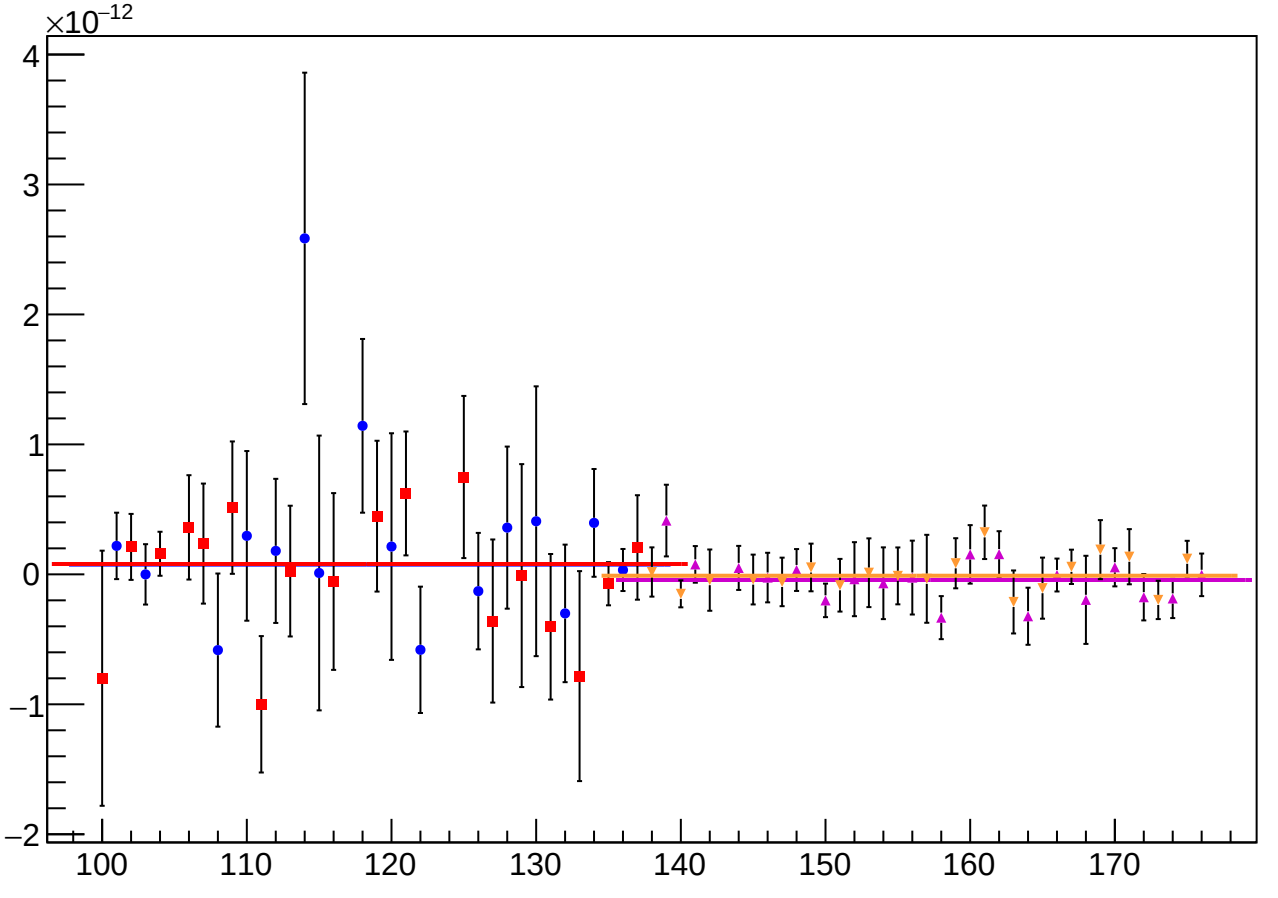
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 466.334+/-0.075 χ^2/NDF:5173128.1/34

Out: 452.729+/-0.075 χ^2/NDF:6252769.8/36

All: 459.562+/-0.053 χ^2/NDF: 11442325.5/71

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

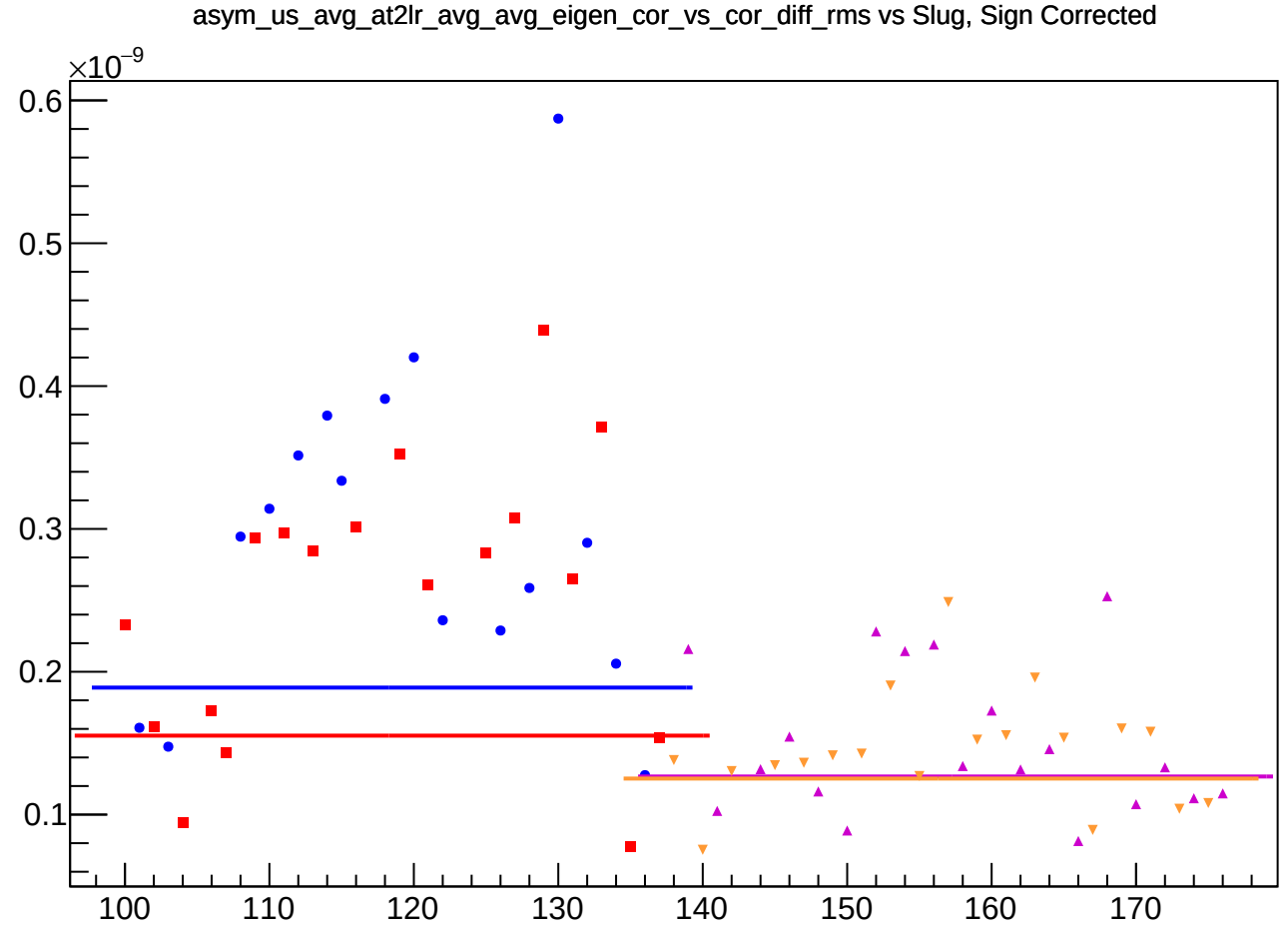
Left: -0.000+/-0.000 χ^2/NDF: 24.7/37

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:27.5/34

Out: 0.000+/-0.000 χ^2/NDF:23.9/36

All: -0.000+/-0.000 χ^2/NDF: 51.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1499753.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1865446.7/18

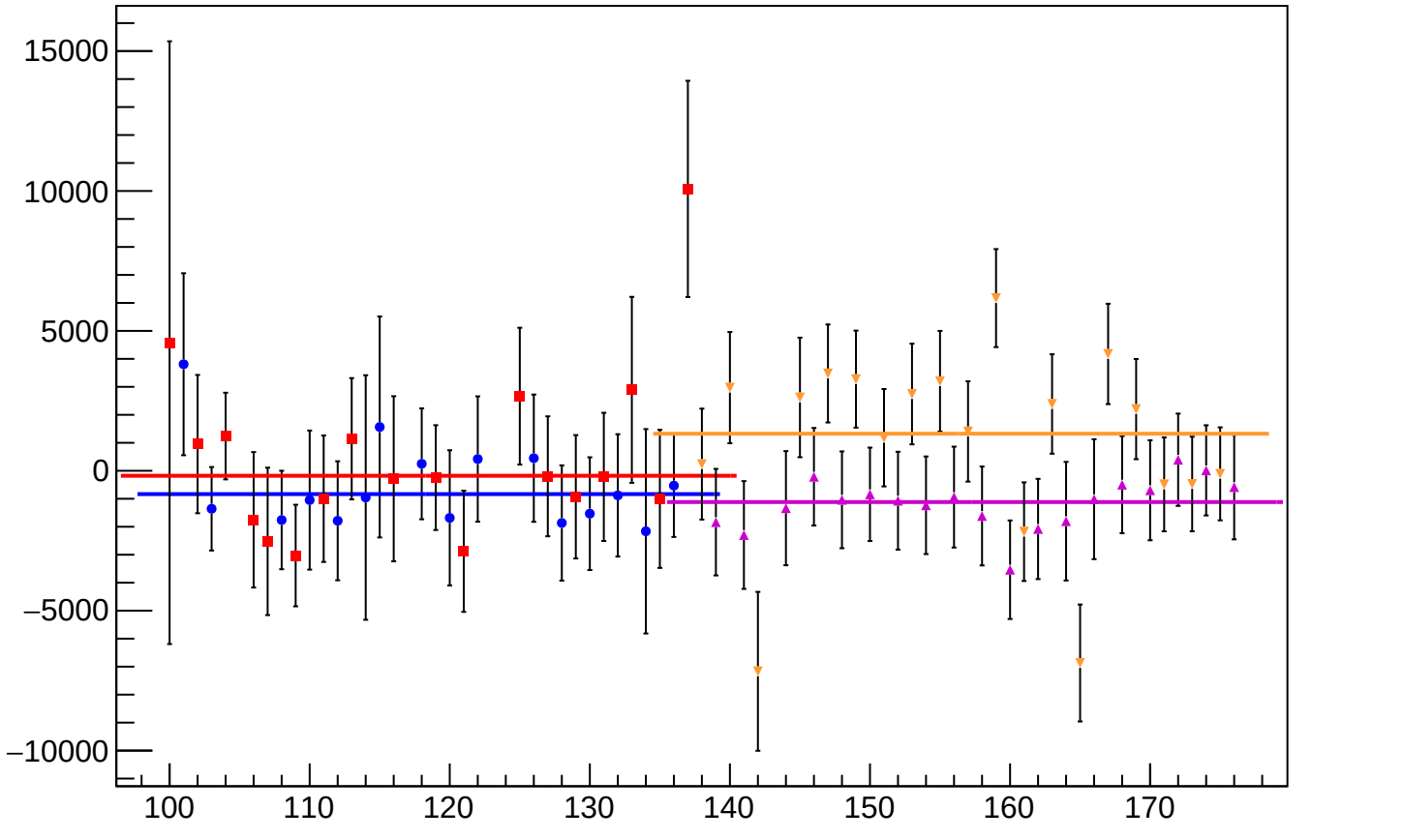
Left: 0.000+/-0.000 χ^2/NDF: 3366421.7/37

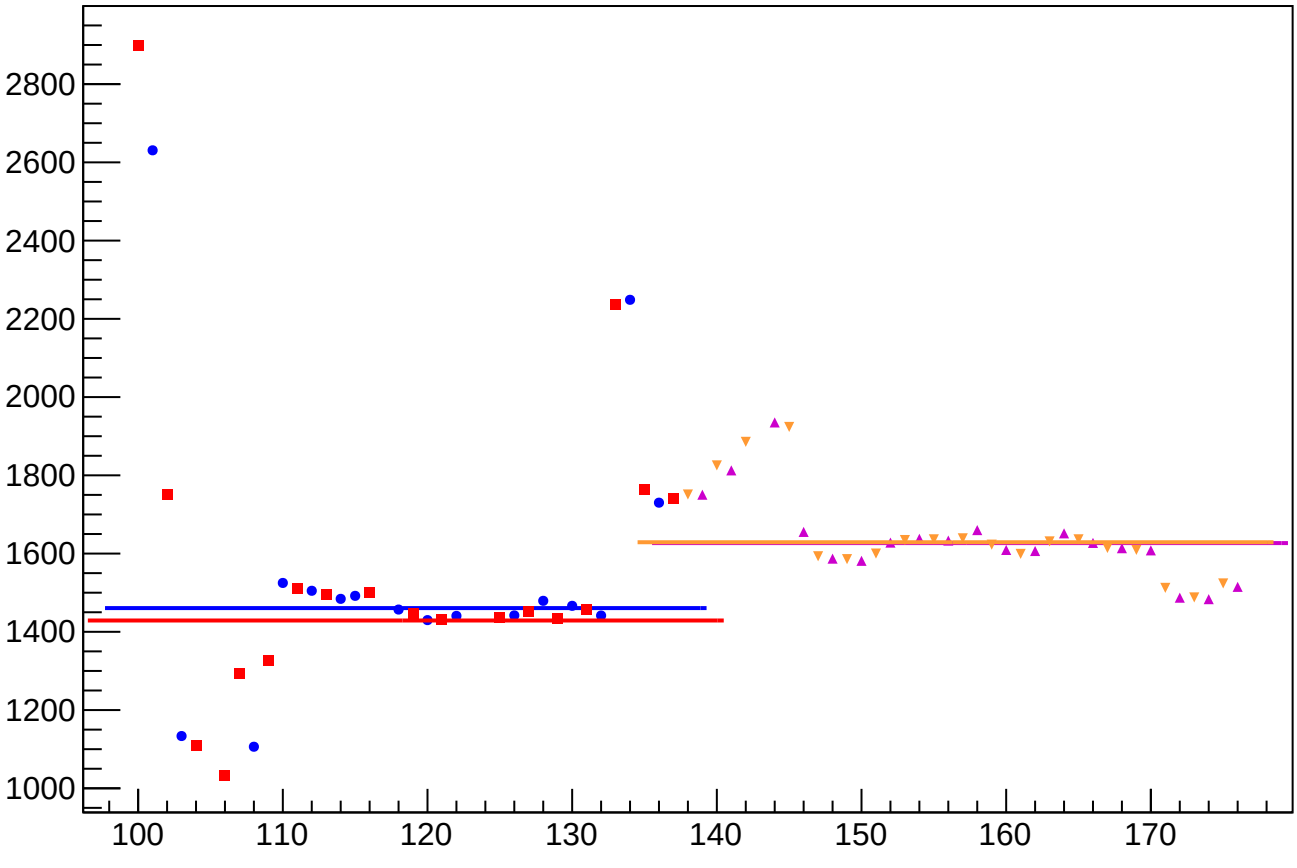
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:4093489.8/34

Out: 0.000+/-0.000 χ^2/NDF:3900158.8/36

All: 0.000+/-0.000 χ^2/NDF: 8012281.8/71


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.181+/-420.656 χ²/NDF:47.9/18
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.164+/-413.490 χ²/NDF:4.8/18
Left: 83.030+/-294.882 χ²/NDF: 69.9/37
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1015.866+/-331.546 χ²/NDF:9.6/34
Out: 767.515+/-333.642 χ²/NDF:69.1/36
All: -129.793+/-235.176 χ²/NDF: 93.1/71



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

Left: 1627.869+/-0.209 χ^2/NDF: 231849.0/37

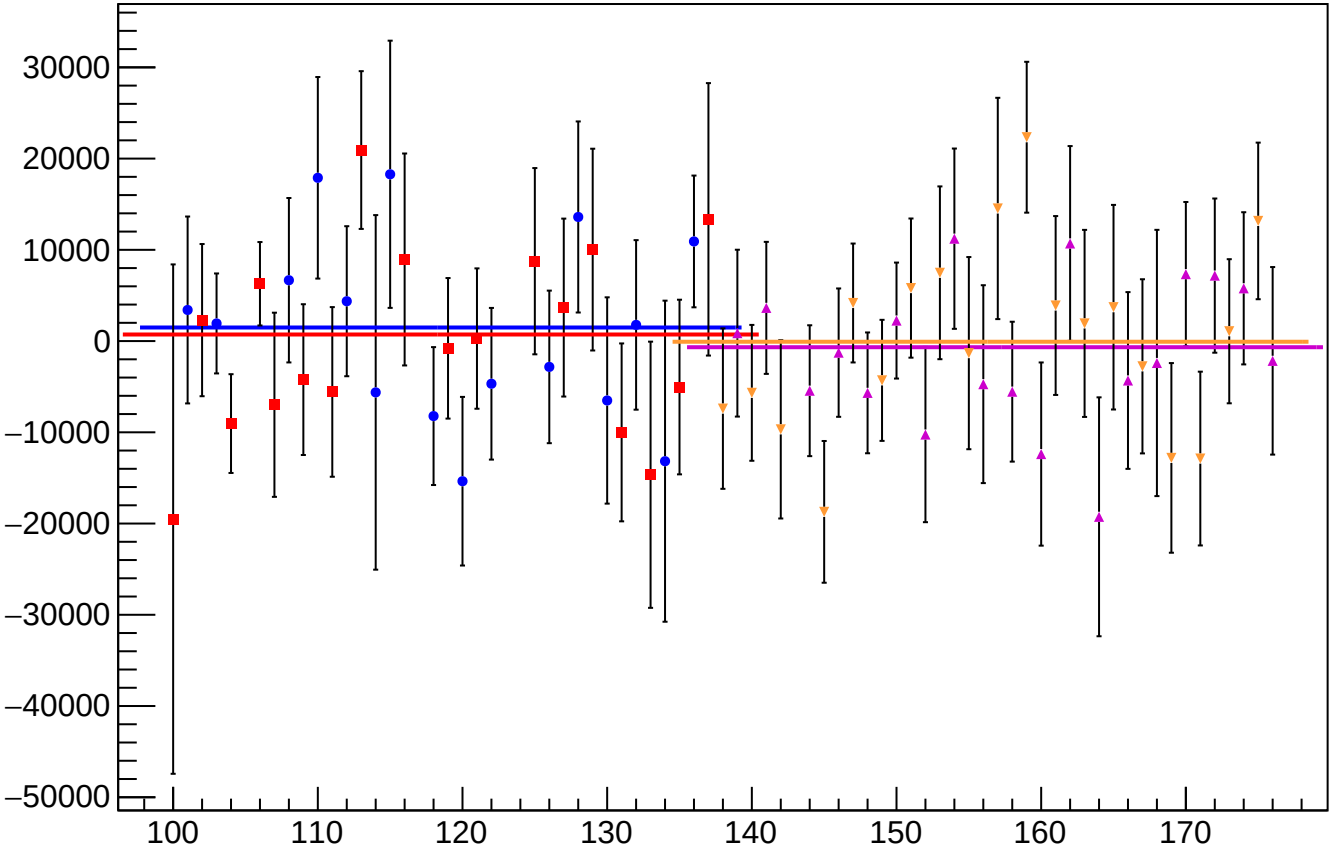
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1567.475+/-0.234 χ^2/NDF:806053.5/34

Out: 1554.084+/-0.235 χ^2/NDF:697403.6/36

All: 1560.803+/-0.166 χ^2/NDF: 1505082.8/71

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -73.824+/-1992.717 χ^2/NDF:25.0/18

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -673.970+/-1966.435 χ^2/NDF:11.8/18

Left: -377.881+/-1399.679 χ^2/NDF: 36.8/37

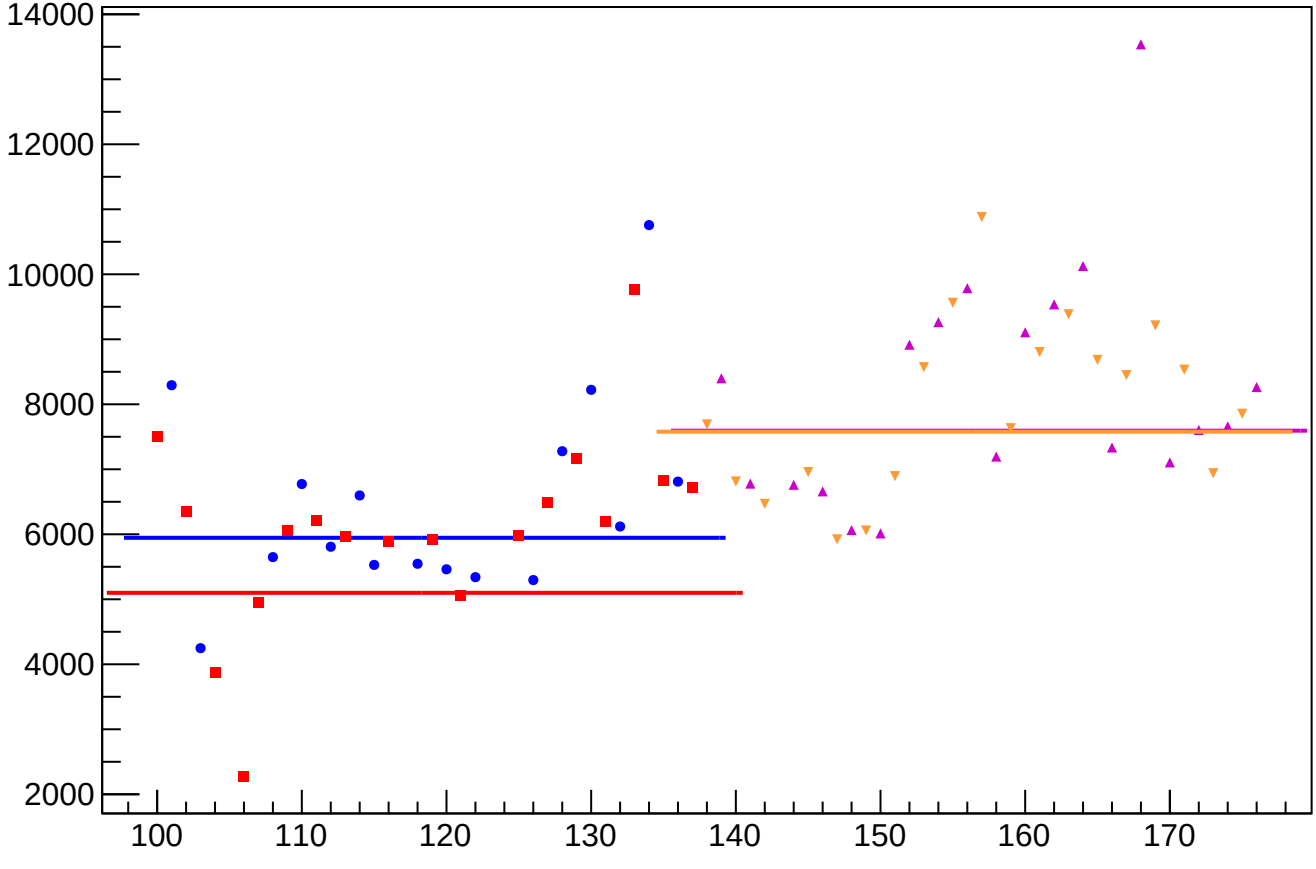
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 253.568+/-1485.751 χ^2/NDF:26.5/34

Out: 319.435+/-1415.678 χ^2/NDF:42.6/36

All: 288.091+/-1024.913 χ^2/NDF: 69.1/71

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7578.532+/-1.409 χ^2/NDF:765652.3/18

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7594.105+/-1.390 χ^2/NDF:1051752.6/18

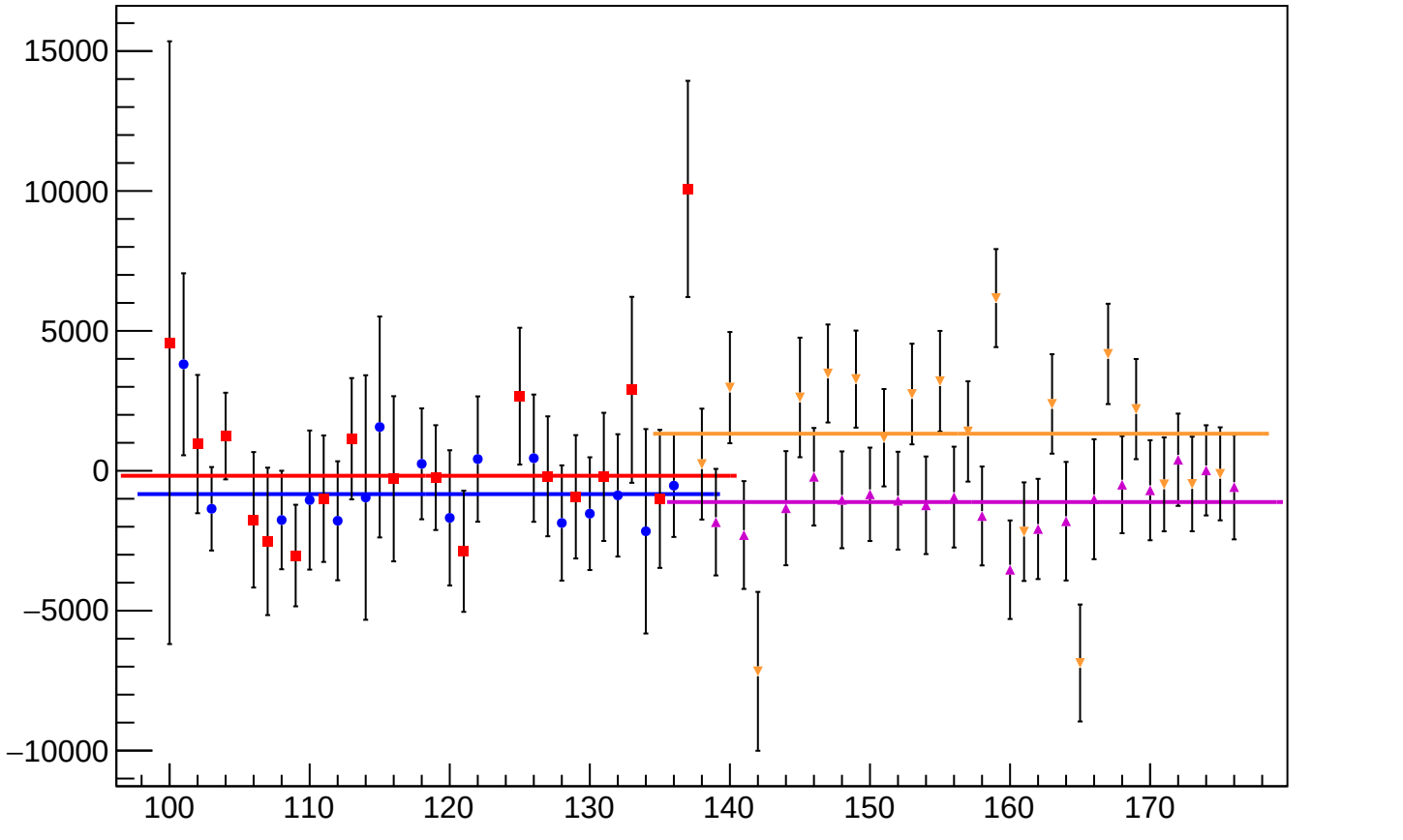
Left: 7586.422+/-0.990 χ^2/NDF: 1817466.9/37

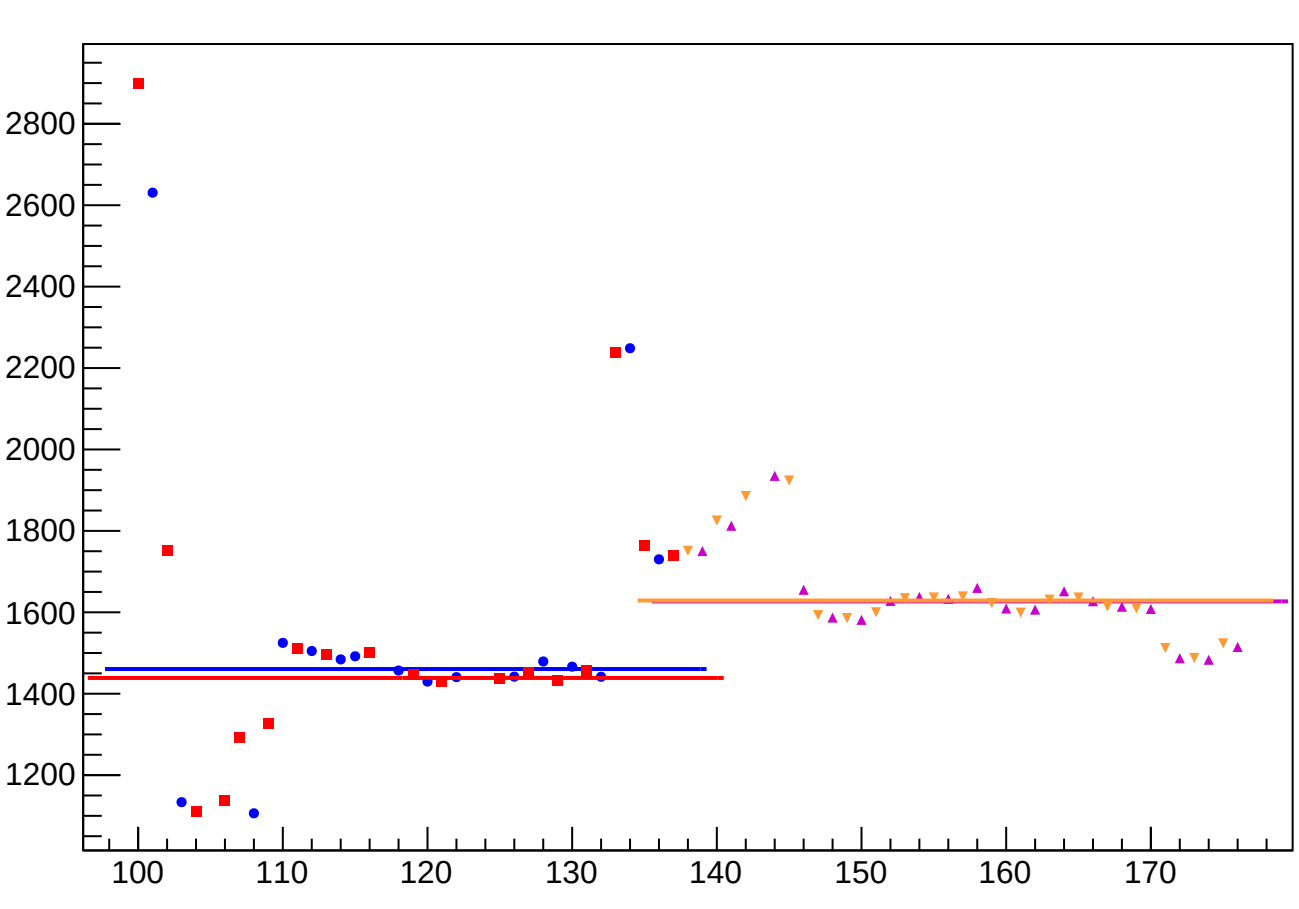
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6886.878+/-1.051 χ^2/NDF:2295712.5/34

Out: 6350.618+/-1.001 χ^2/NDF:3779261.8/36

All: 6605.805+/-0.725 χ^2/NDF: 6211537.5/71


cor_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: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.250+/-420.656 χ²/NDF:47.9/18
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.096+/-413.490 χ²/NDF:4.8/18
Left: 83.099+/-294.883 χ²/NDF: 69.9/37
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1015.845+/-331.546 χ²/NDF:9.6/34
Out: 767.617+/-333.642 χ²/NDF:69.1/36
All: -129.731+/-235.176 χ²/NDF: 93.1/71



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

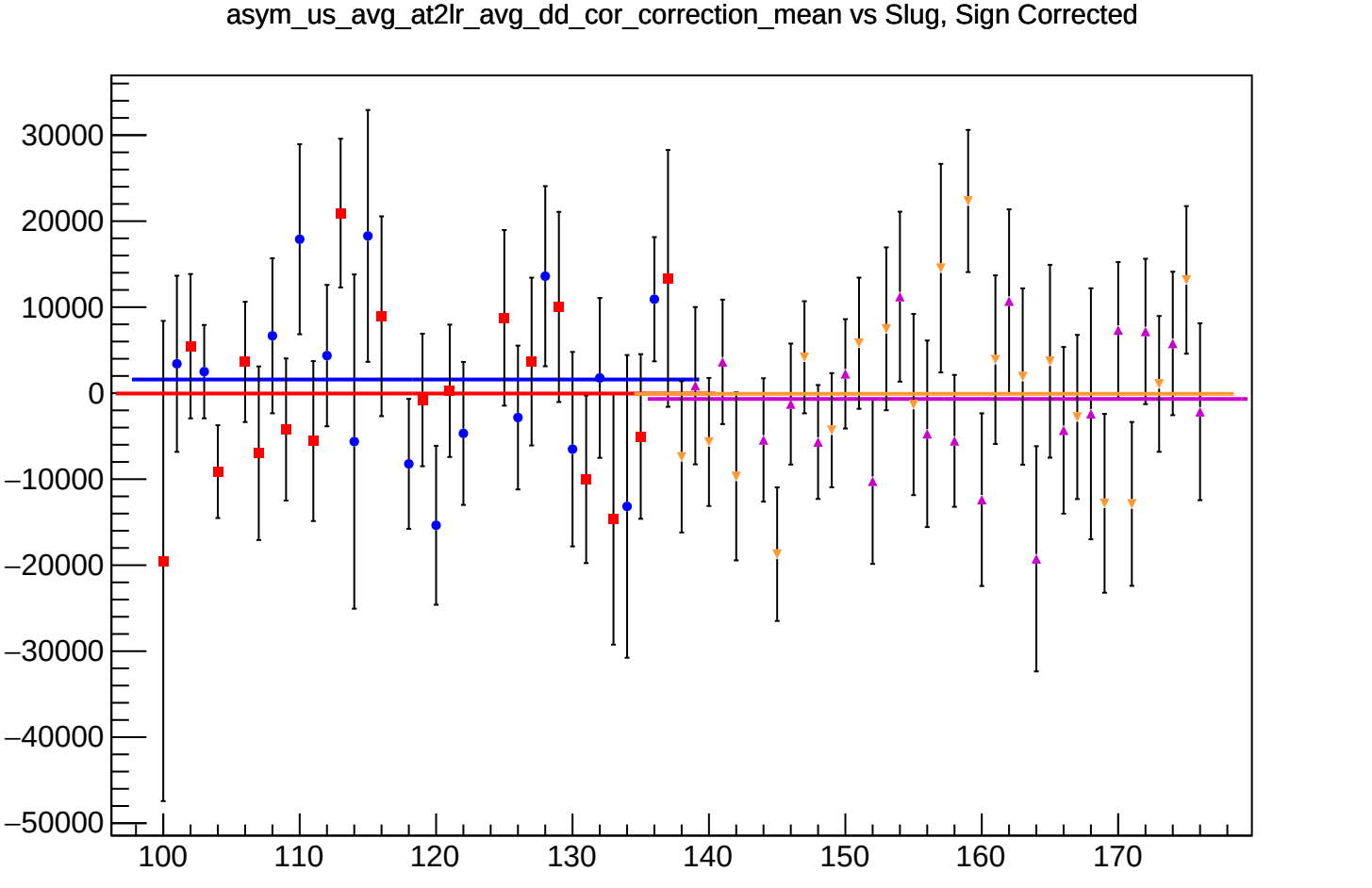
Left: 1627.869+/-0.209 χ^2/NDF: 231848.9/37

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1567.475+/-0.234 χ^2/NDF:806054.0/34

Out: 1558.217+/-0.236 χ^2/NDF:642302.2/36

All: 1562.871+/-0.166 χ^2/NDF: 1449131.6/71



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -674.013+/-1966.433 χ^2/NDF:11.8/18

Left: -377.897+/-1399.678 χ^2/NDF: 36.8/37

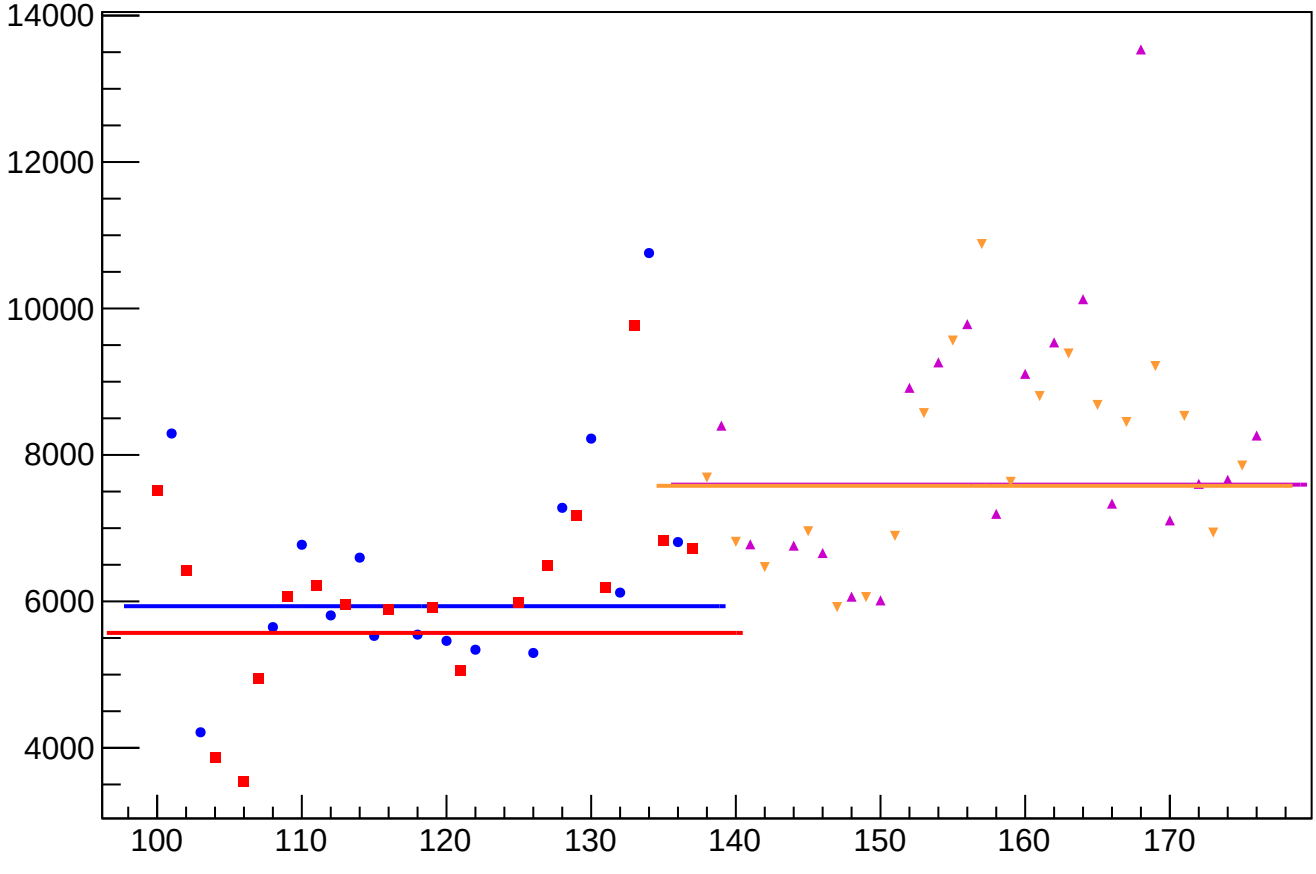
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 298.822+/-1484.689 χ^2/NDF:26.6/34

Out: -58.355+/-1456.146 χ^2/NDF:41.4/36

All: 116.767+/-1039.595 χ^2/NDF: 68.0/71

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

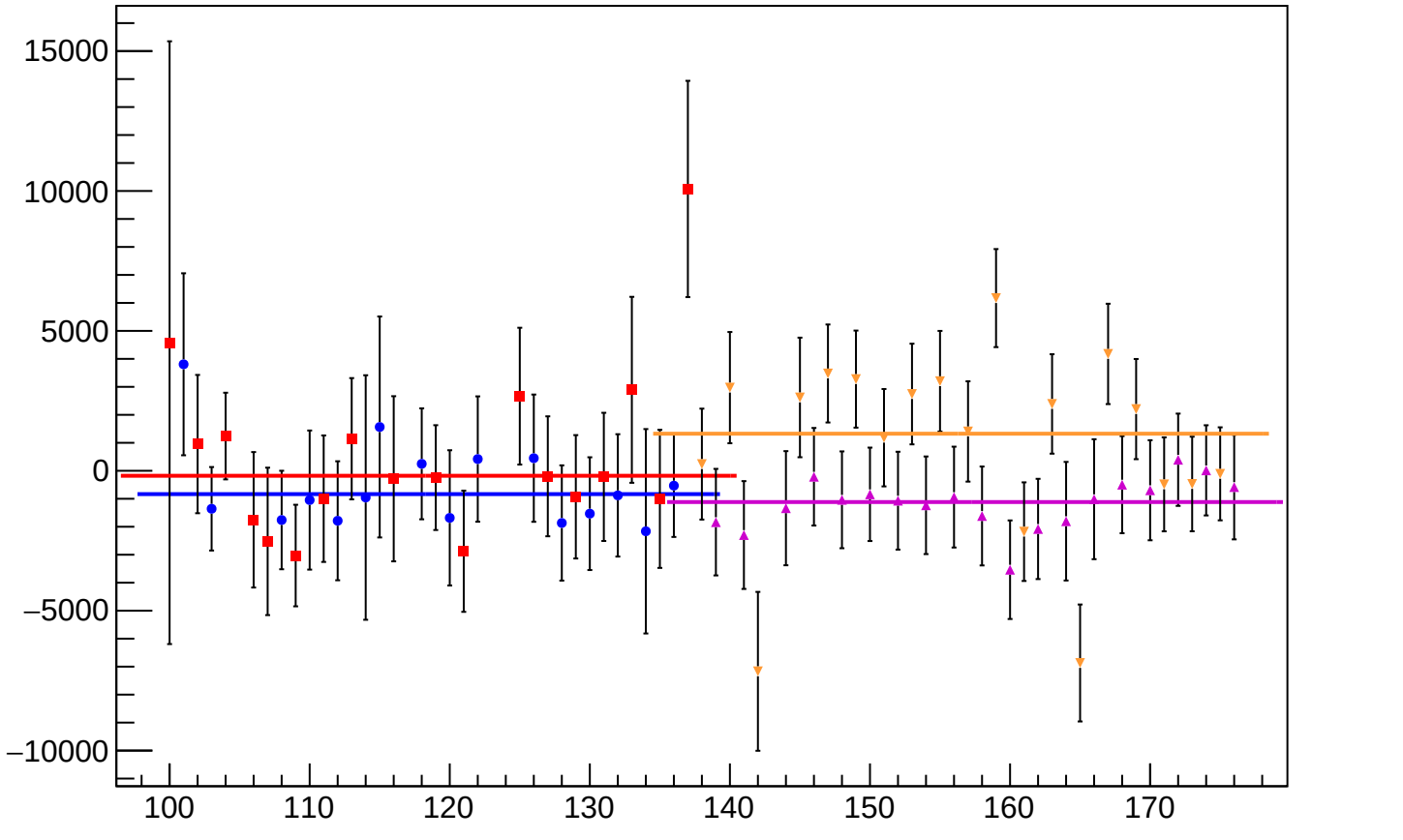
Left: 7586.418+/-0.990 χ^2/NDF: 1817469.9/37

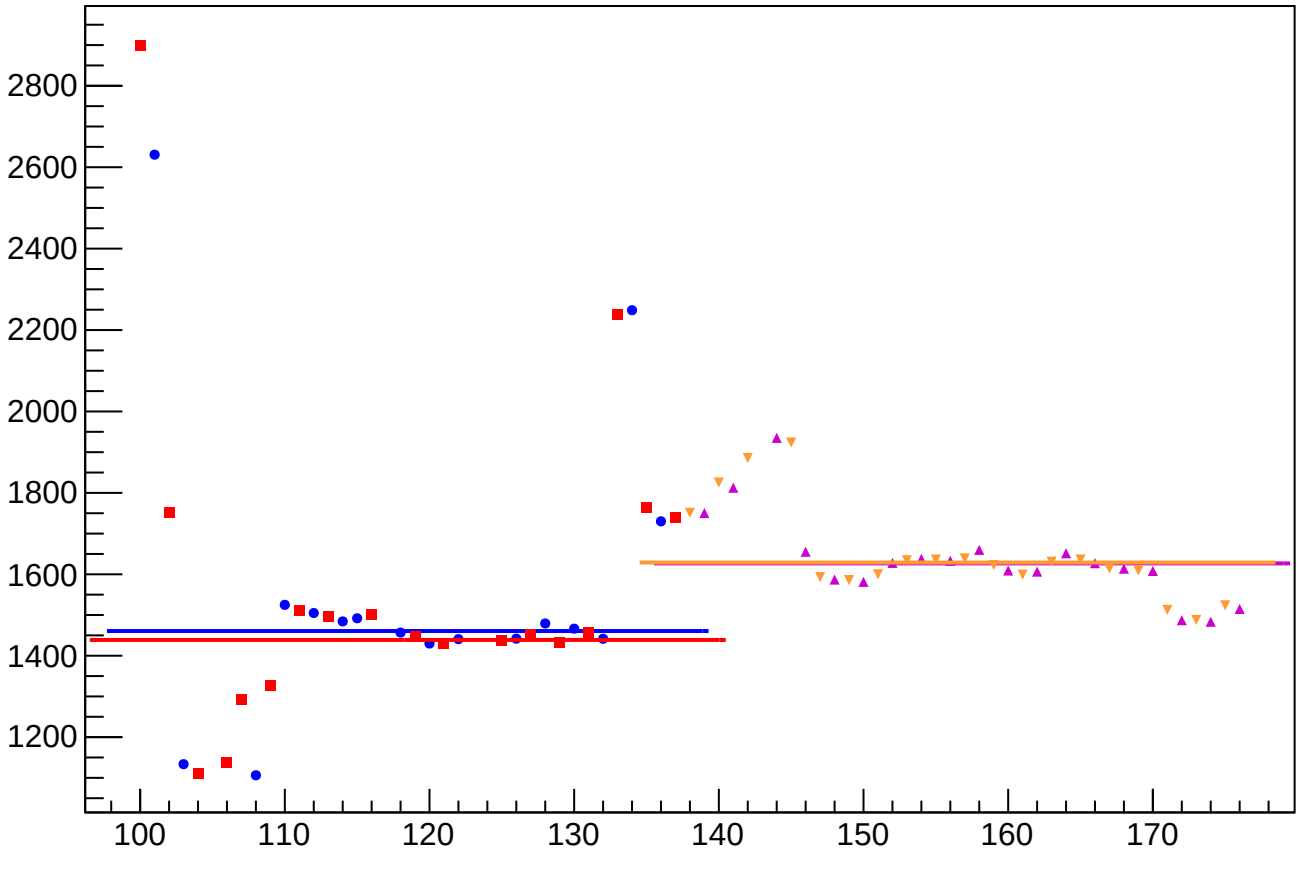
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6880.428+/-1.050 χ^2/NDF:2317539.7/34

Out: 6642.316+/-1.030 χ^2/NDF:2436980.6/36

All: 6759.061+/-0.735 χ^2/NDF: 4780741.0/71


eigen_cor_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: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1325.250+/-420.656 χ²/NDF:47.9/18
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.096+/-413.490 χ²/NDF:4.8/18
Left: 83.099+/-294.883 χ²/NDF: 69.9/37
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1015.845+/-331.546 χ²/NDF:9.6/34
Out: 767.617+/-333.642 χ²/NDF:69.1/36
All: -129.731+/-235.176 χ²/NDF: 93.1/71



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1628.972+/-0.297 χ^2/NDF:116814.5/18

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

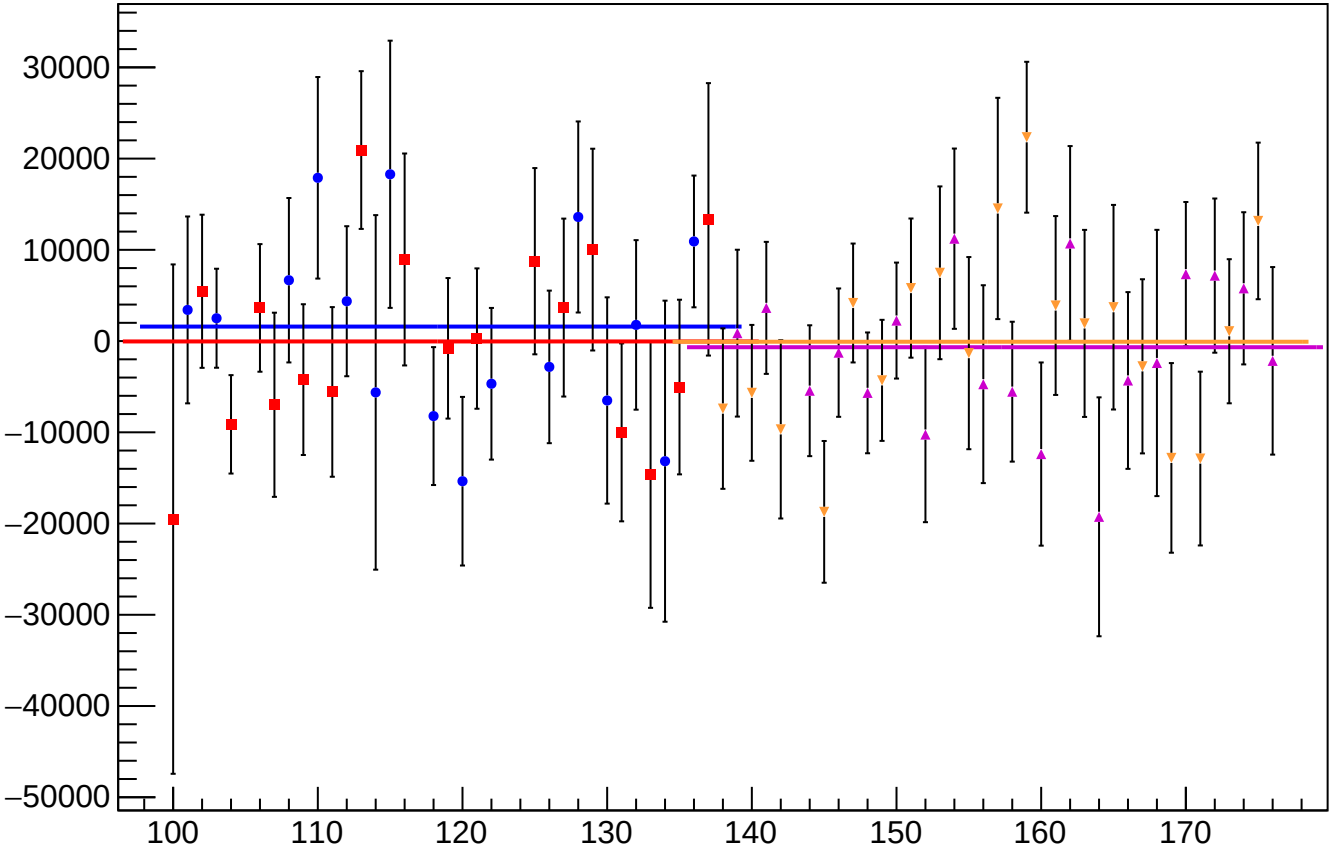
Left: 1627.869+/-0.209 χ^2/NDF: 231848.9/37

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1567.475+/-0.234 χ^2/NDF:806054.0/34

Out: 1558.217+/-0.236 χ^2/NDF:642302.2/36

All: 1562.871+/-0.166 χ^2/NDF: 1449131.6/71



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -73.813+/-1992.717 χ^2/NDF:25.0/18

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -674.013+/-1966.433 χ^2/NDF:11.8/18

Left: -377.897+/-1399.678 χ^2/NDF: 36.8/37

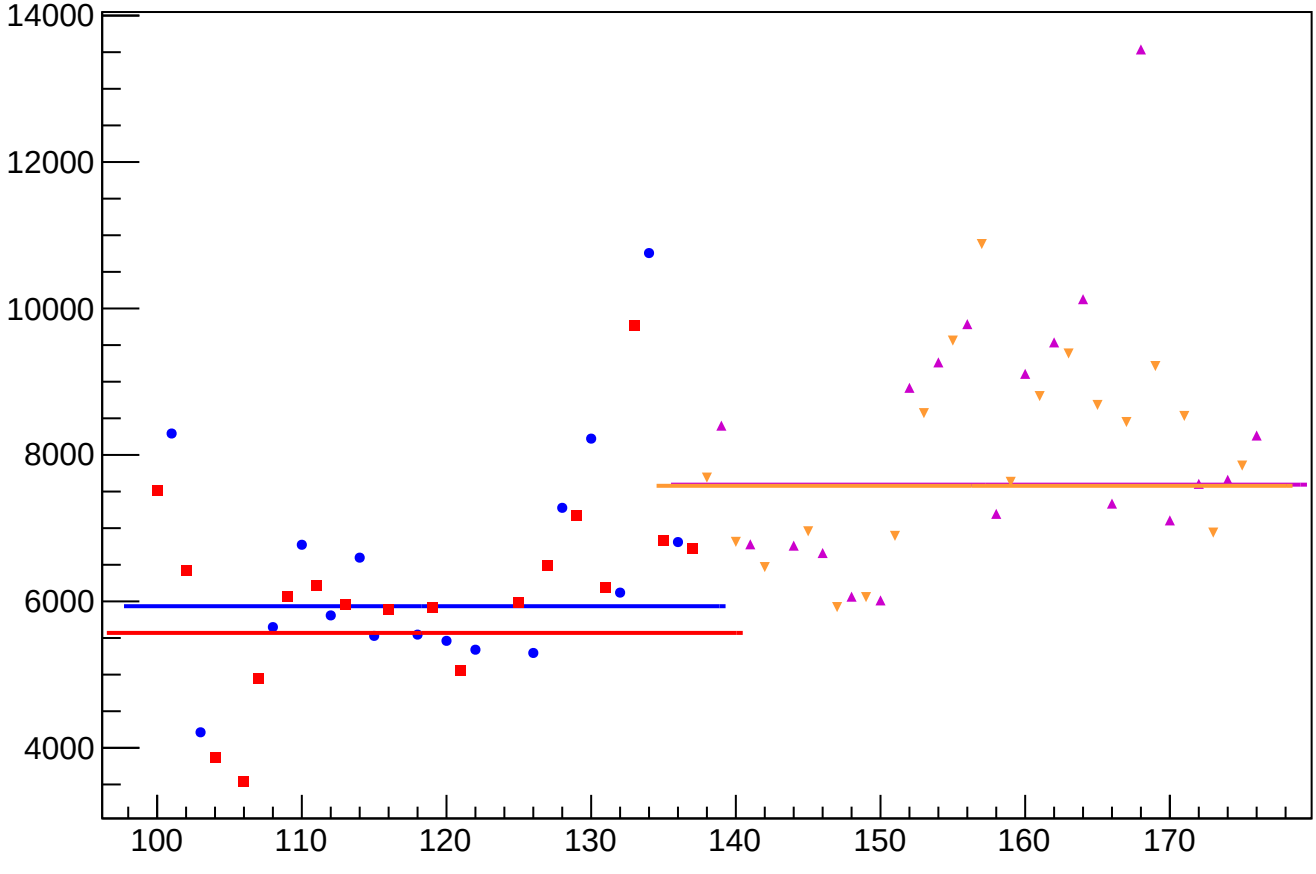
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 298.822+/-1484.689 χ^2/NDF:26.6/34

Out: -58.355+/-1456.146 χ^2/NDF:41.4/36

All: 116.767+/-1039.595 χ^2/NDF: 68.0/71

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7578.531+/-1.409 χ^2/NDF:765652.0/18

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

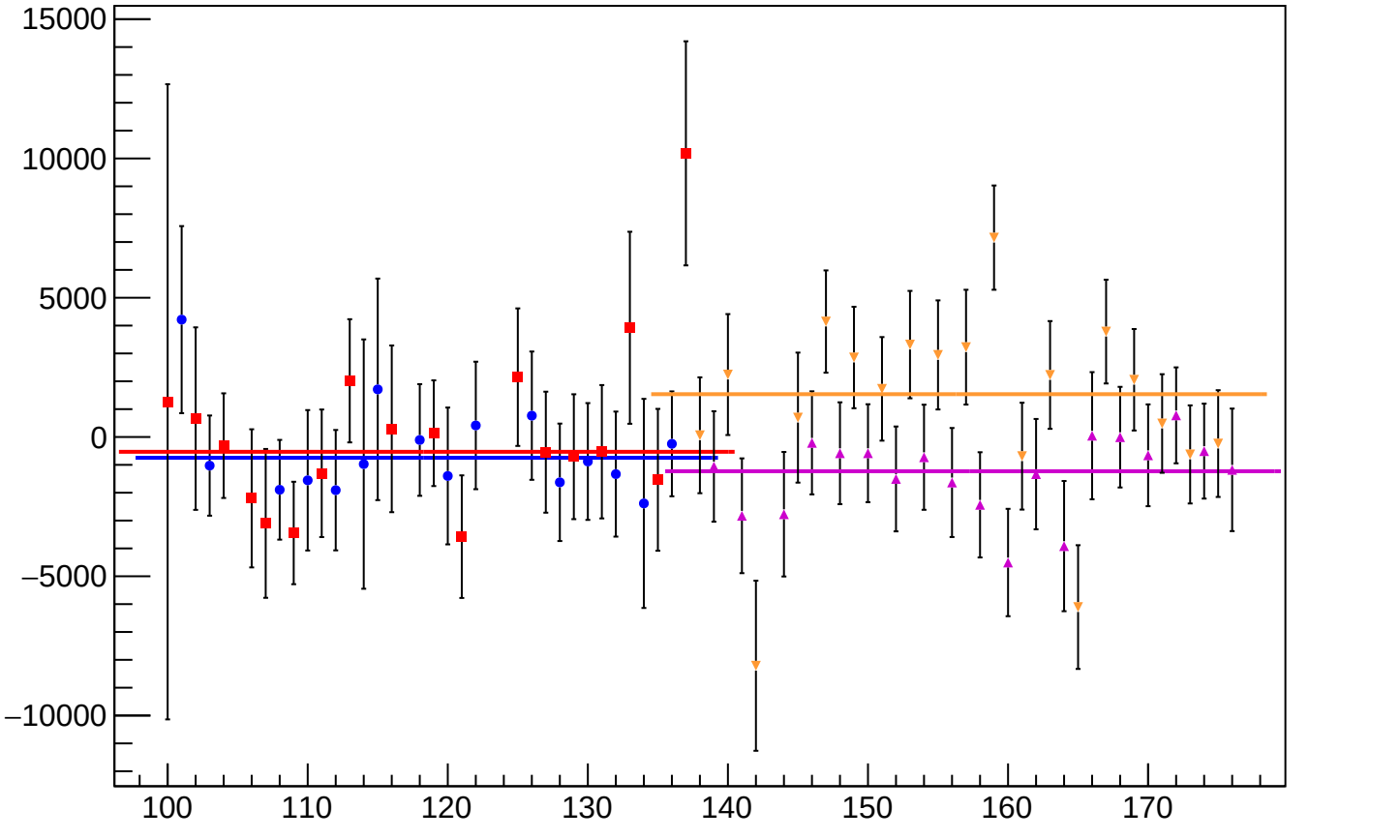
Left: 7586.418+/-0.990 χ^2/NDF: 1817469.9/37

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6880.428+/-1.050 χ^2/NDF:2317539.7/34

Out: 6642.316+/-1.030 χ^2/NDF:2436980.6/36

All: 6759.061+/-0.735 χ^2/NDF: 4780741.0/71


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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−10000
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110
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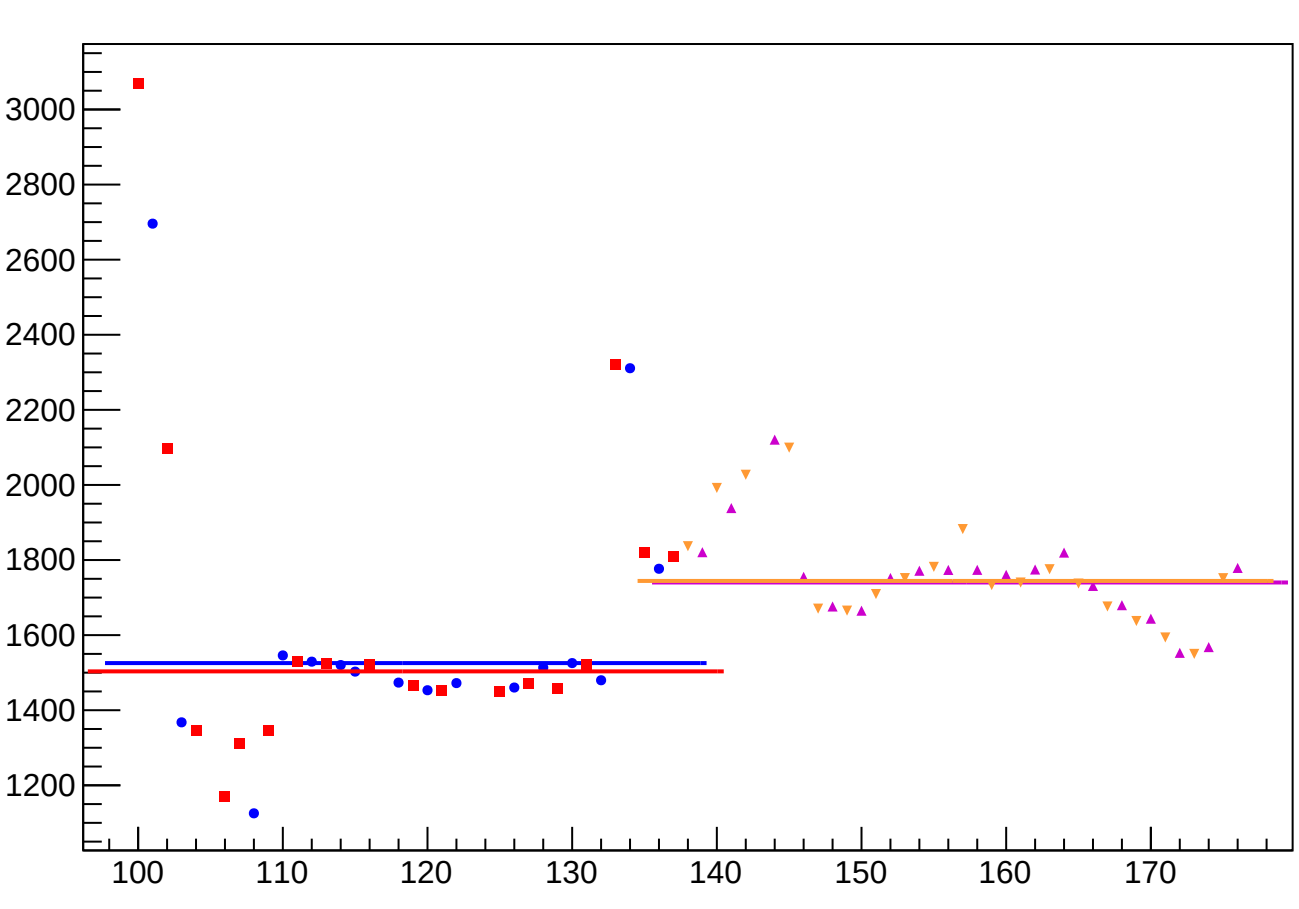
130
140
150
160
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1537.328+/-450.974 χ²/NDF:42.1/18
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1228.310+/-442.682 χ²/NDF:8.8/18
Left: 128.849+/-315.914 χ²/NDF: 70.1/37
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1049.989+/-351.464 χ²/NDF:14.0/34
Out: 749.678+/-354.879 χ²/NDF:67.8/36
All: -158.858+/-249.721 χ²/NDF: 94.8/71



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1744.335+/-0.319 χ^2/NDF:159843.5/18

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1740.214+/-0.313 χ^2/NDF:143511.4/18

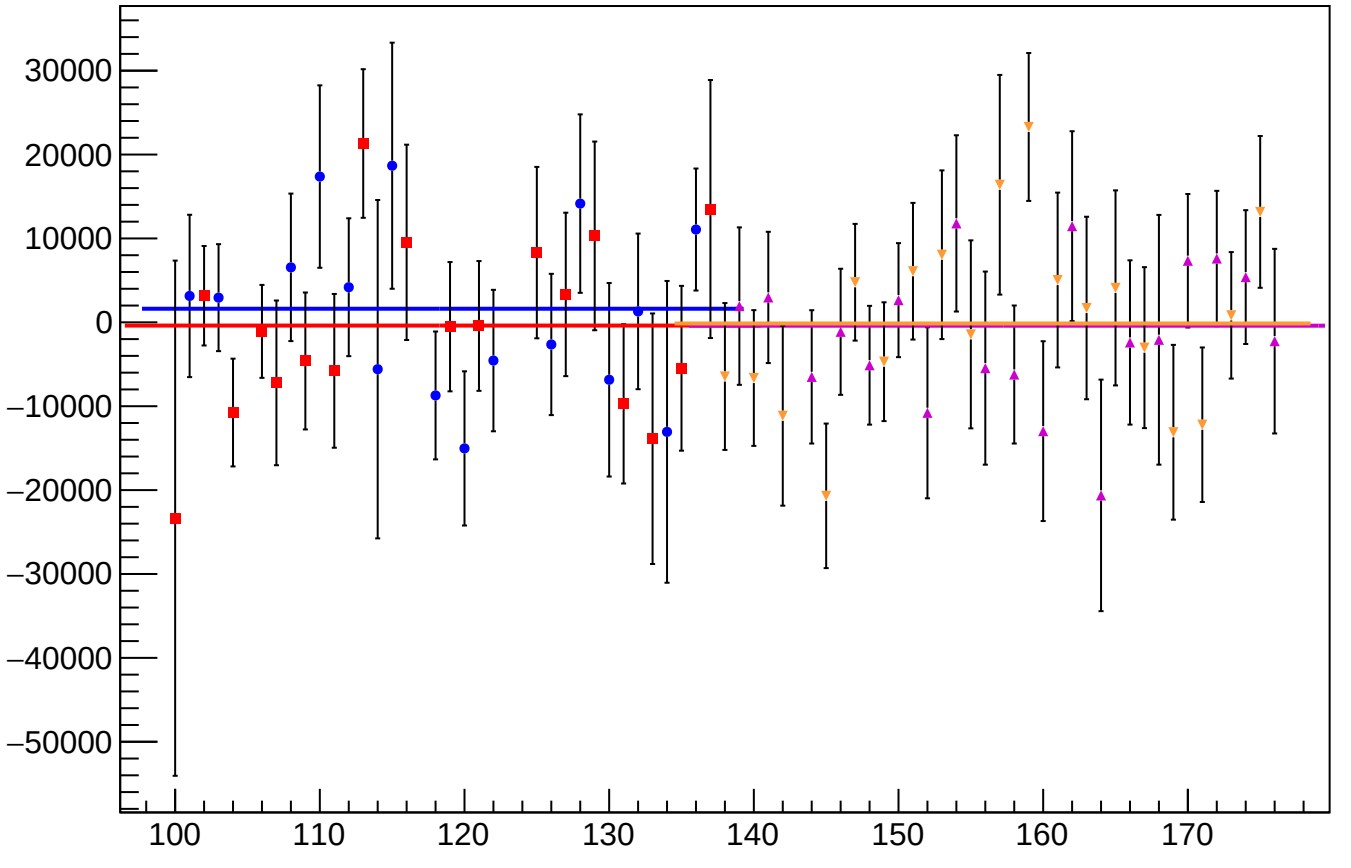
Left: 1742.237+/-0.223 χ^2/NDF: 303439.9/37

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.857+/-0.249 χ^2/NDF:805708.6/34

Out: 1652.576+/-0.251 χ^2/NDF:715727.3/36

All: 1656.756+/-0.177 χ^2/NDF: 1521985.7/71



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.619 χ^2/NDF:24.7/18

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -401.090+/-2060.006 χ^2/NDF:11.7/18

Left: -270.664+/-1466.309 χ^2/NDF: 36.4/37

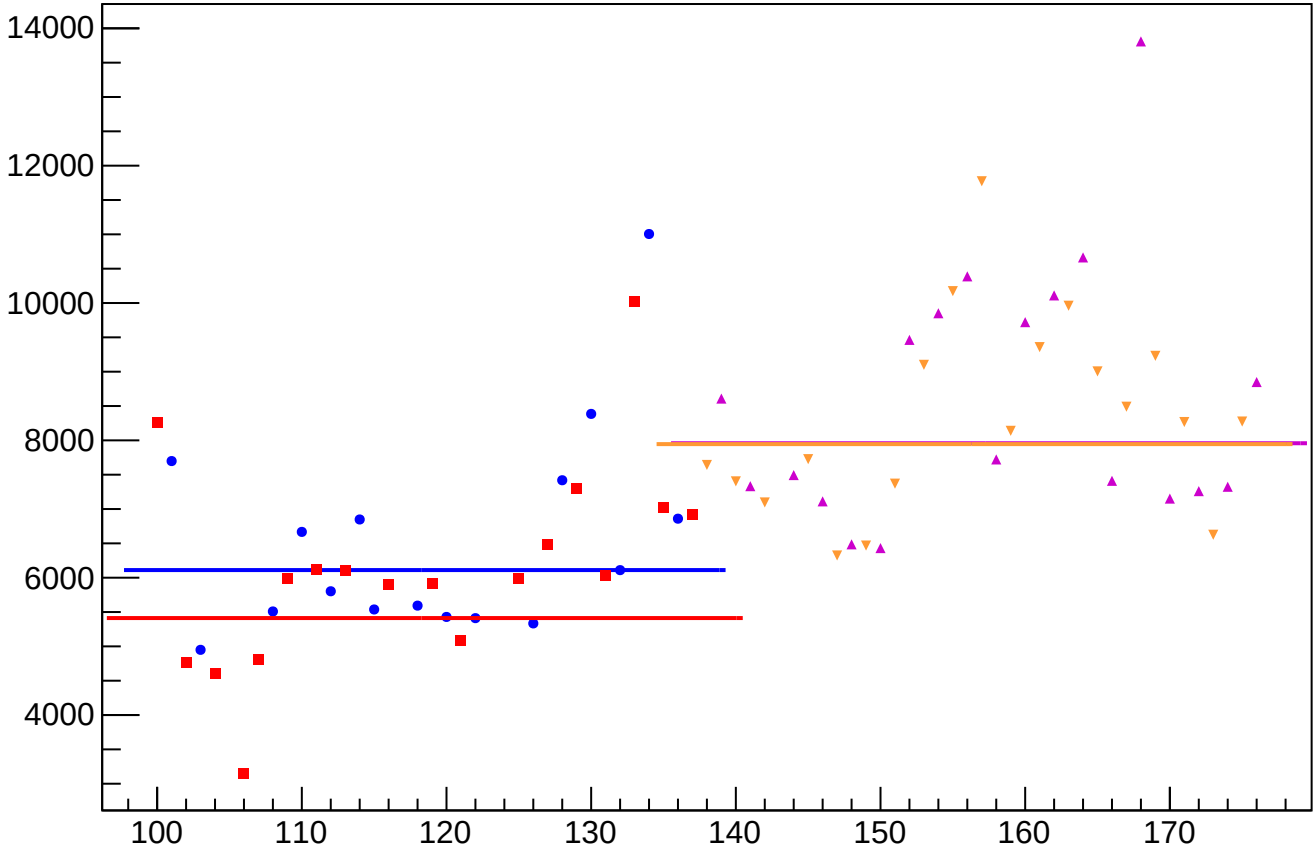
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 489.917+/-1540.407 χ^2/NDF:26.4/34

Out: -262.937+/-1466.620 χ^2/NDF:40.7/36

All: 95.027+/-1062.185 χ^2/NDF: 67.2/71

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: 7945.191+/-1.476 χ^2/NDF:733358.5/18

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7957.943+/-1.457 χ^2/NDF:1021068.2/18

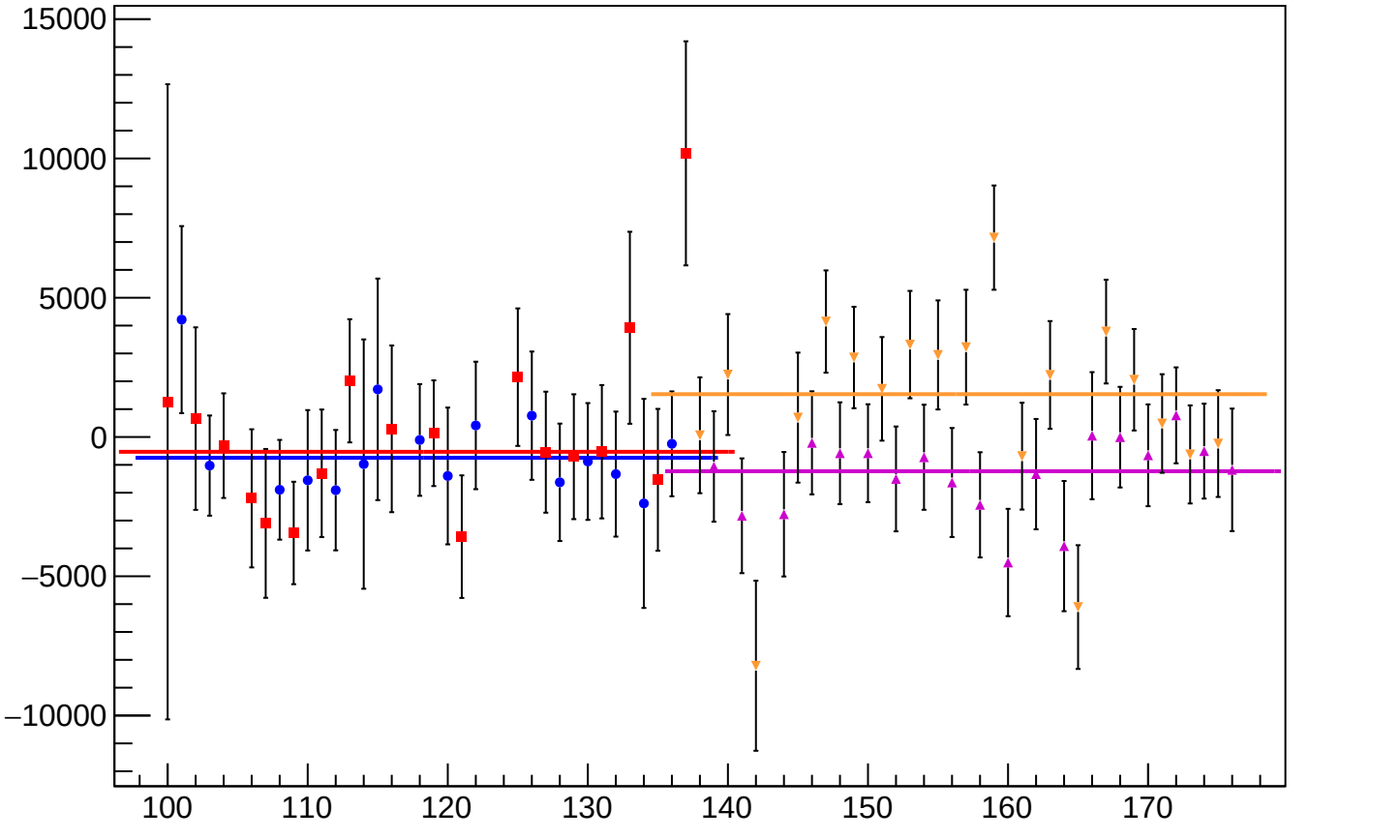
Left: 7951.652+/-1.037 χ^2/NDF: 1754464.4/37

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7143.749+/-1.089 χ^2/NDF:2201435.9/34

Out: 6662.401+/-1.037 χ^2/NDF:3045978.3/36

All: 6891.270+/-0.751 χ^2/NDF: 5349847.9/71


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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−5000
−10000
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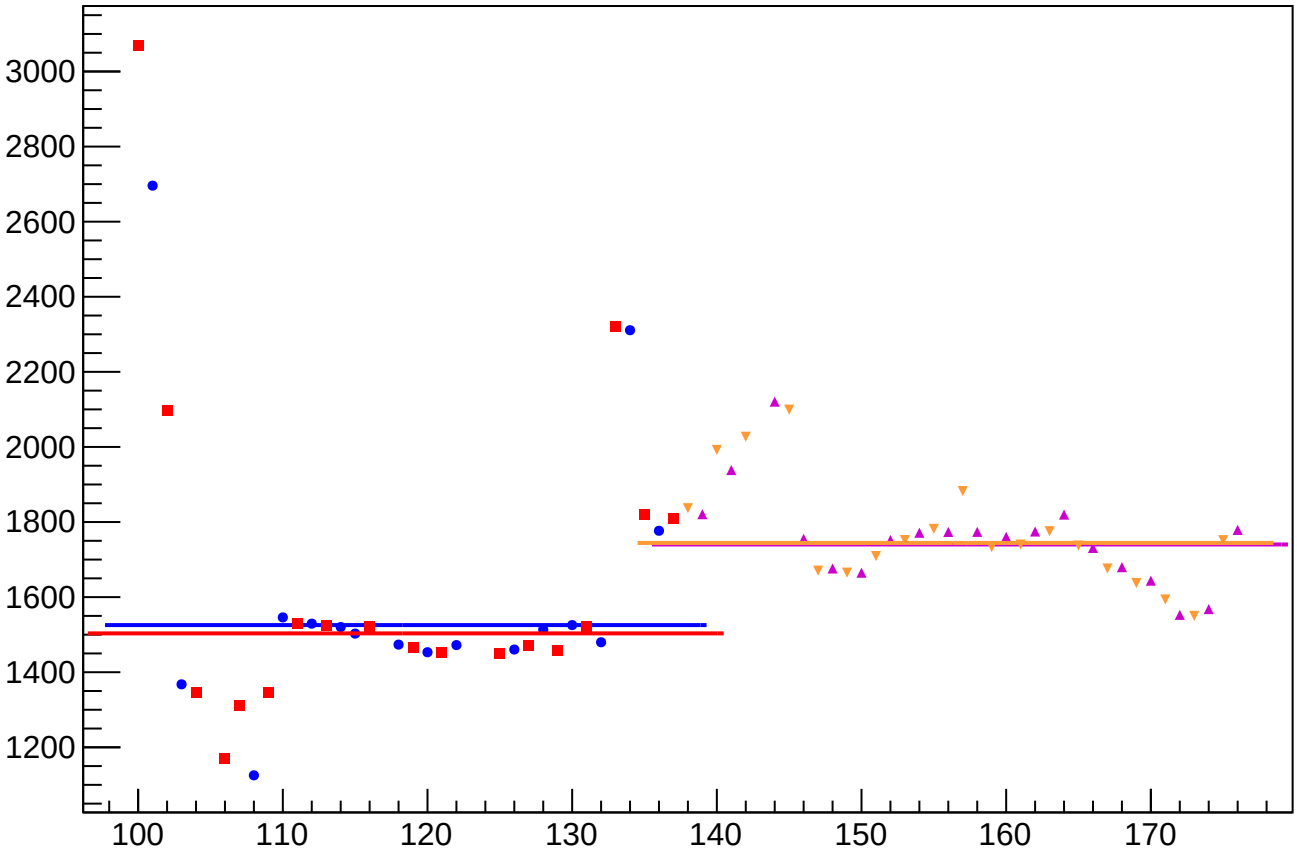
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1537.331+/-450.975 χ²/NDF:42.1/18
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1228.309+/-442.683 χ²/NDF:8.8/18
Left: 128.852+/-315.915 χ²/NDF: 70.1/37
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1049.989+/-351.464 χ²/NDF:14.0/34
Out: 749.675+/-354.880 χ²/NDF:67.8/36
All: -158.860+/-249.721 χ²/NDF: 94.8/71



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1744.337+/-0.319 χ^2/NDF:159848.6/18

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1740.216+/-0.313 χ^2/NDF:143515.8/18

Left: 1742.238+/-0.223 χ^2/NDF: 303449.4/37

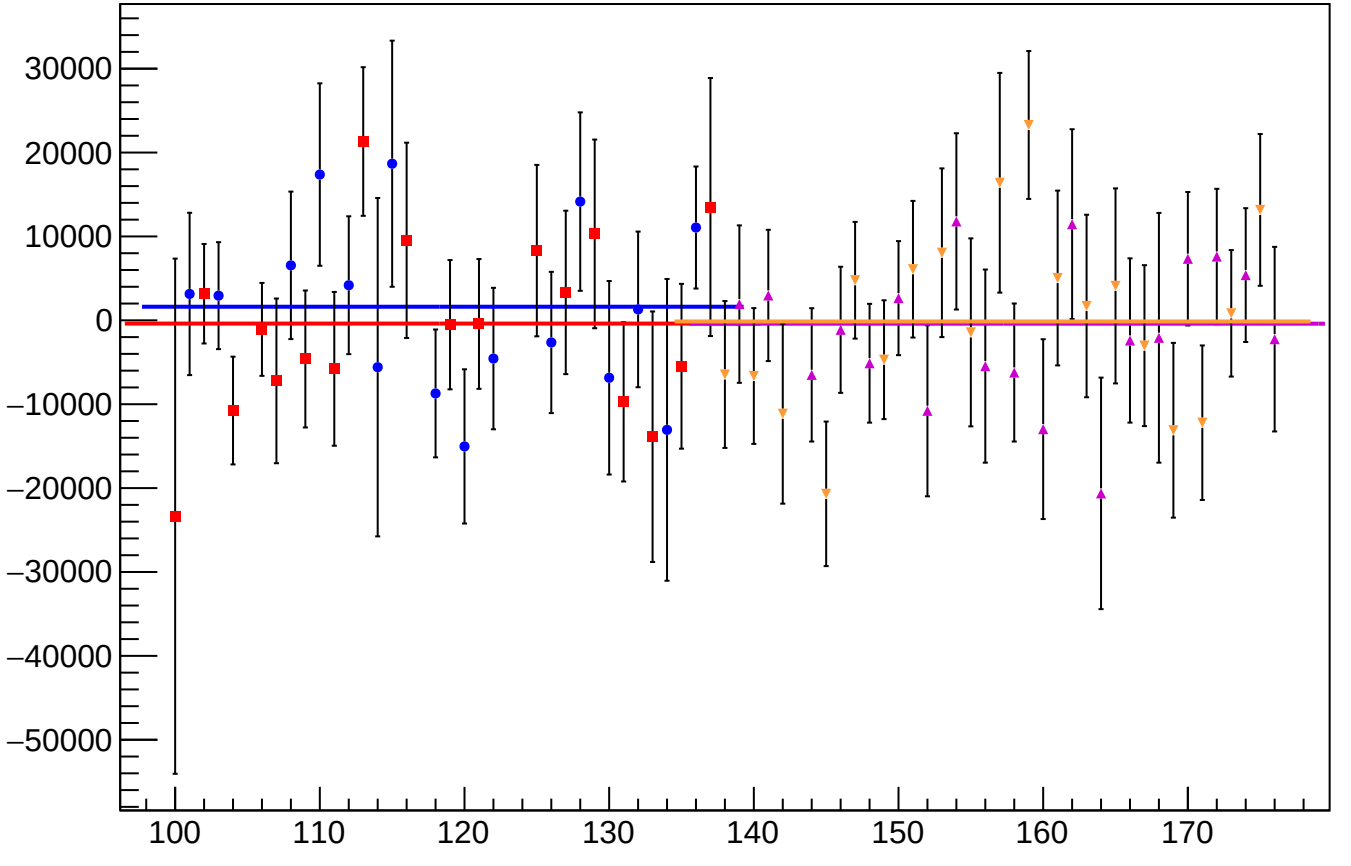
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.858+/-0.249 χ^2/NDF:805715.7/34

Out: 1652.577+/-0.251 χ^2/NDF:715734.9/36

All: 1656.757+/-0.177 χ^2/NDF: 1522000.5/71

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -136.718+/-2087.622 χ^2/NDF:24.7/18

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -401.088+/-2060.009 χ^2/NDF:11.7/18

Left: -270.663+/-1466.312 χ^2/NDF: 36.4/37

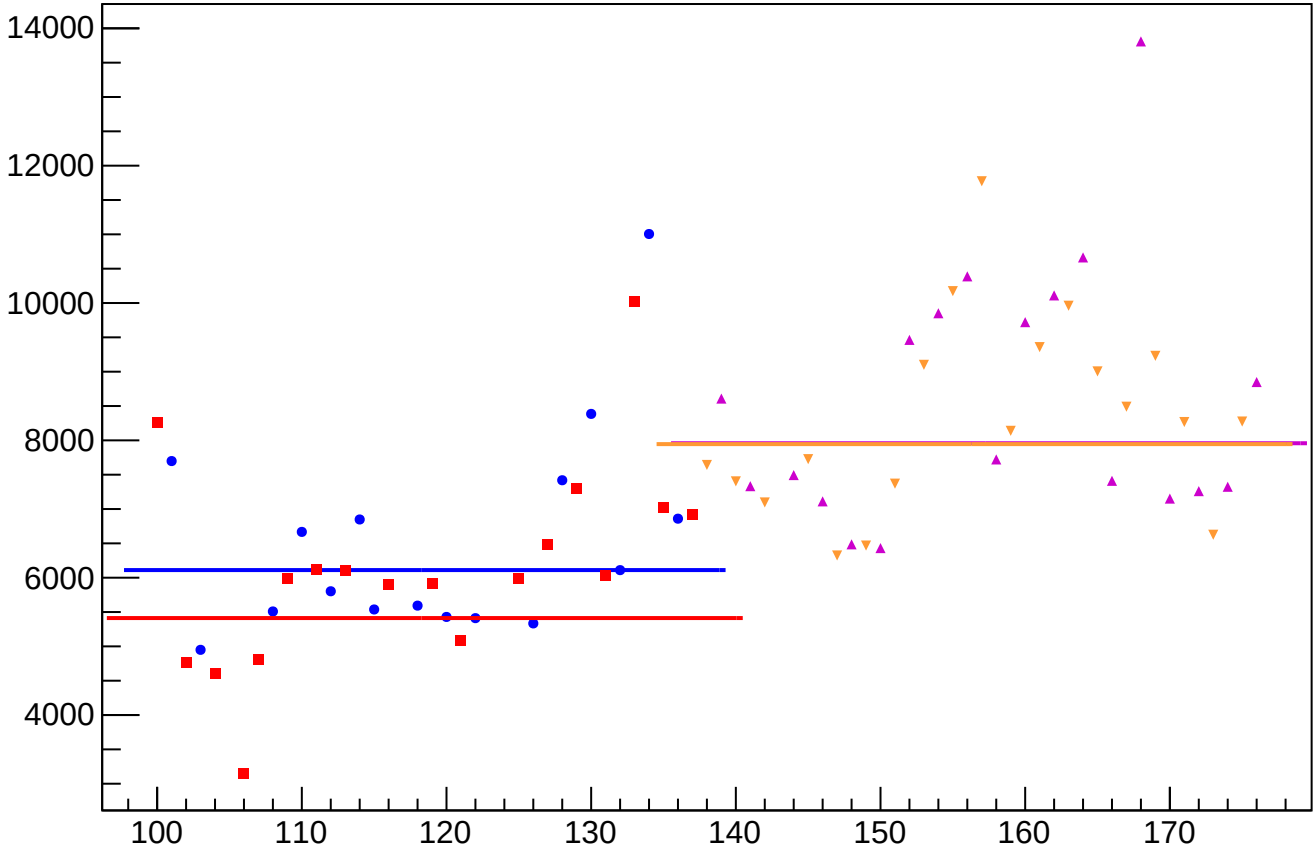
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 489.913+/-1540.407 χ^2/NDF:26.4/34

Out: -262.941+/-1466.620 χ^2/NDF:40.7/36

All: 95.024+/-1062.185 χ^2/NDF: 67.2/71

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: 7945.203+/-1.476 χ^2/NDF:733359.1/18

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7957.955+/-1.457 χ^2/NDF:1021070.2/18

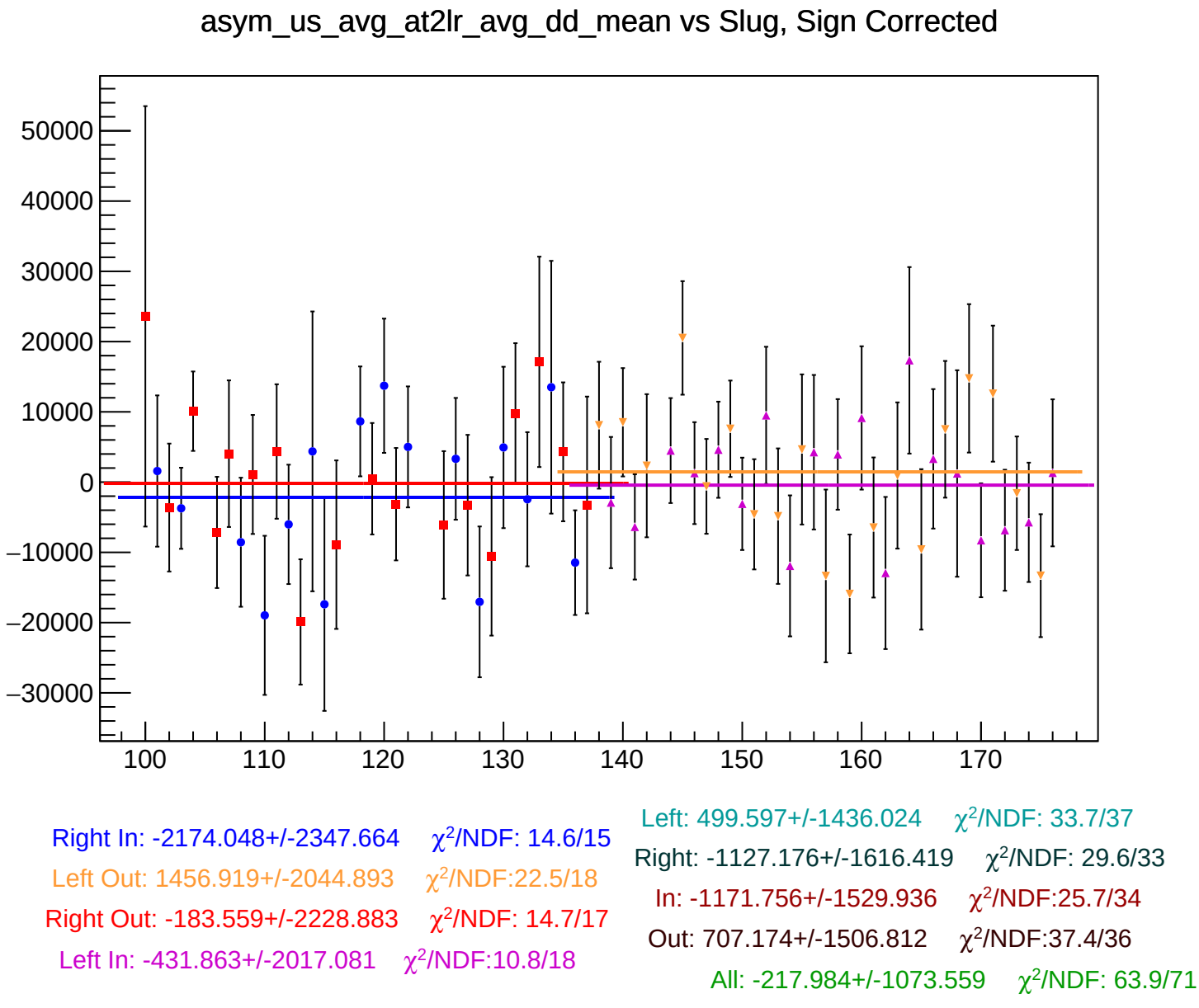
Left: 7951.664+/-1.037 χ^2/NDF: 1754467.2/37

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7143.746+/-1.089 χ^2/NDF:2201459.9/34

Out: 6662.396+/-1.037 χ^2/NDF:3046007.7/36

All: 6891.267+/-0.751 χ^2/NDF: 5349901.8/71


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
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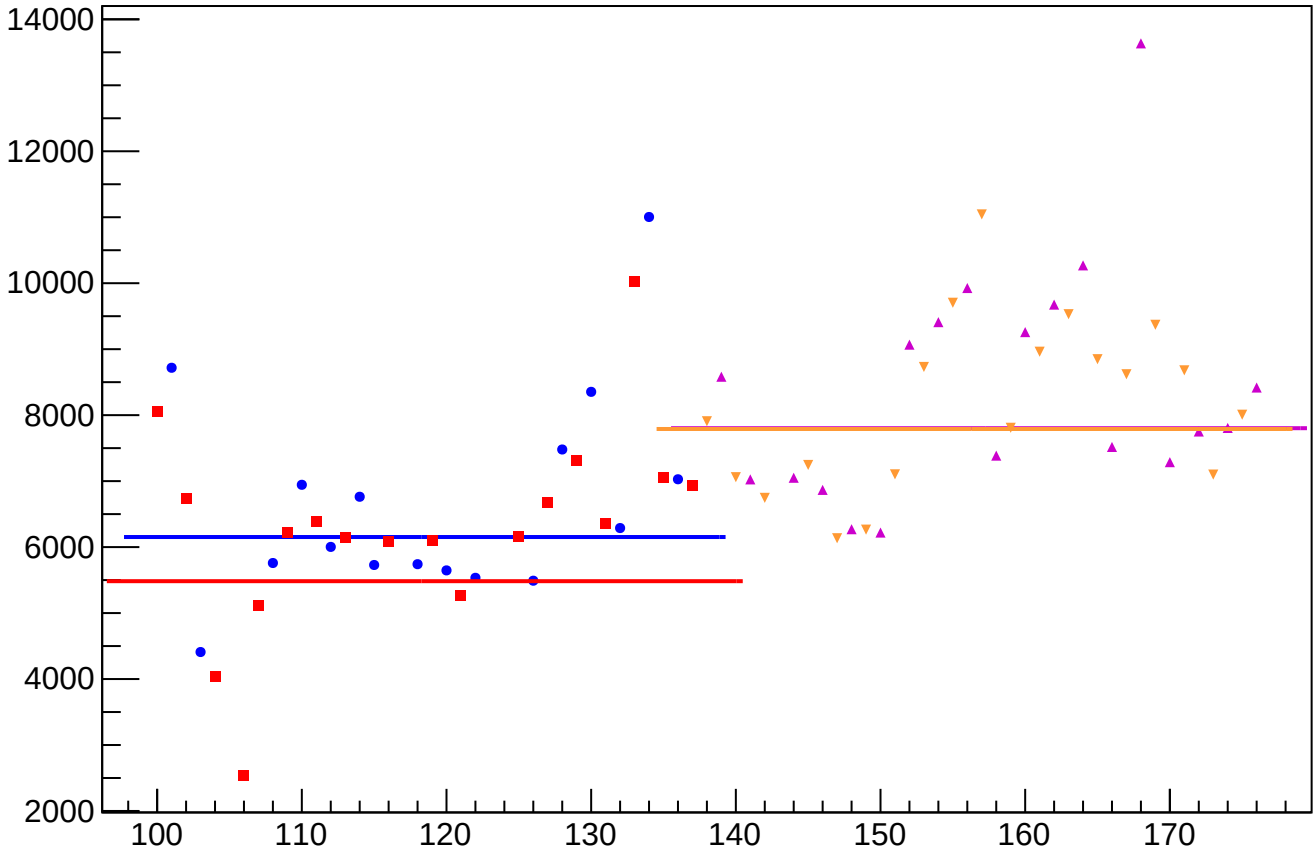
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1456.919+/-2044.893 χ²/NDF:22.5/18
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -431.863+/-2017.081 χ²/NDF:10.8/18
Left: 499.597+/-1436.024 χ²/NDF: 33.7/37
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1171.756+/-1529.936 χ²/NDF:25.7/34
Out: 707.174+/-1506.812 χ²/NDF:37.4/36
All: -217.984+/-1073.559 χ²/NDF: 63.9/71



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7790.392+/-1.446 χ^2/NDF:698965.7/18

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7802.267+/-1.426 χ^2/NDF:971539.9/18

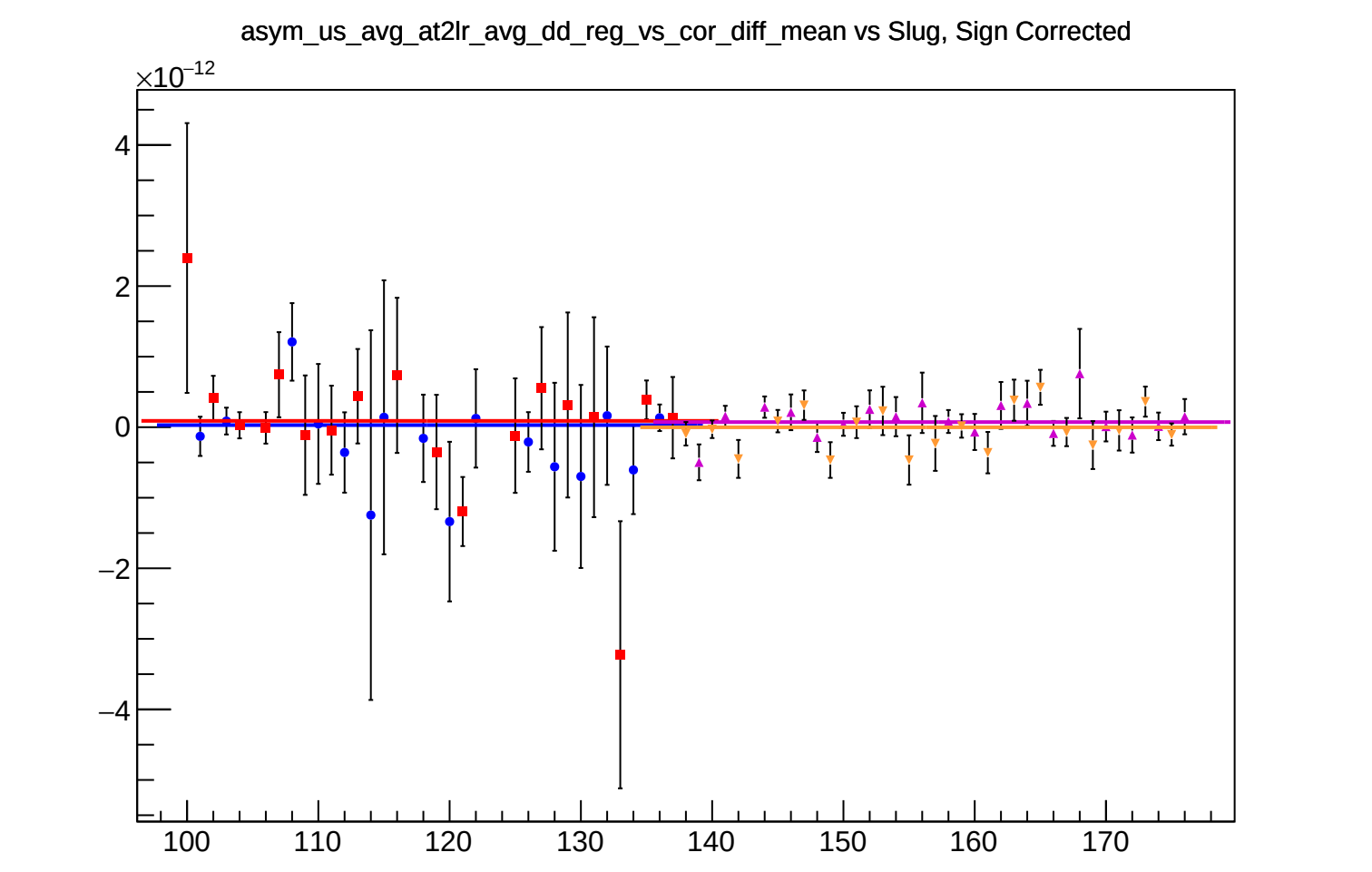
Left: 7796.411+/-1.015 χ^2/NDF: 1670539.8/37

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7101.699+/-1.082 χ^2/NDF:2163642.5/34

Out: 6694.013+/-1.047 χ^2/NDF:3057461.5/36

All: 6891.279+/-0.753 χ^2/NDF: 5294402.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

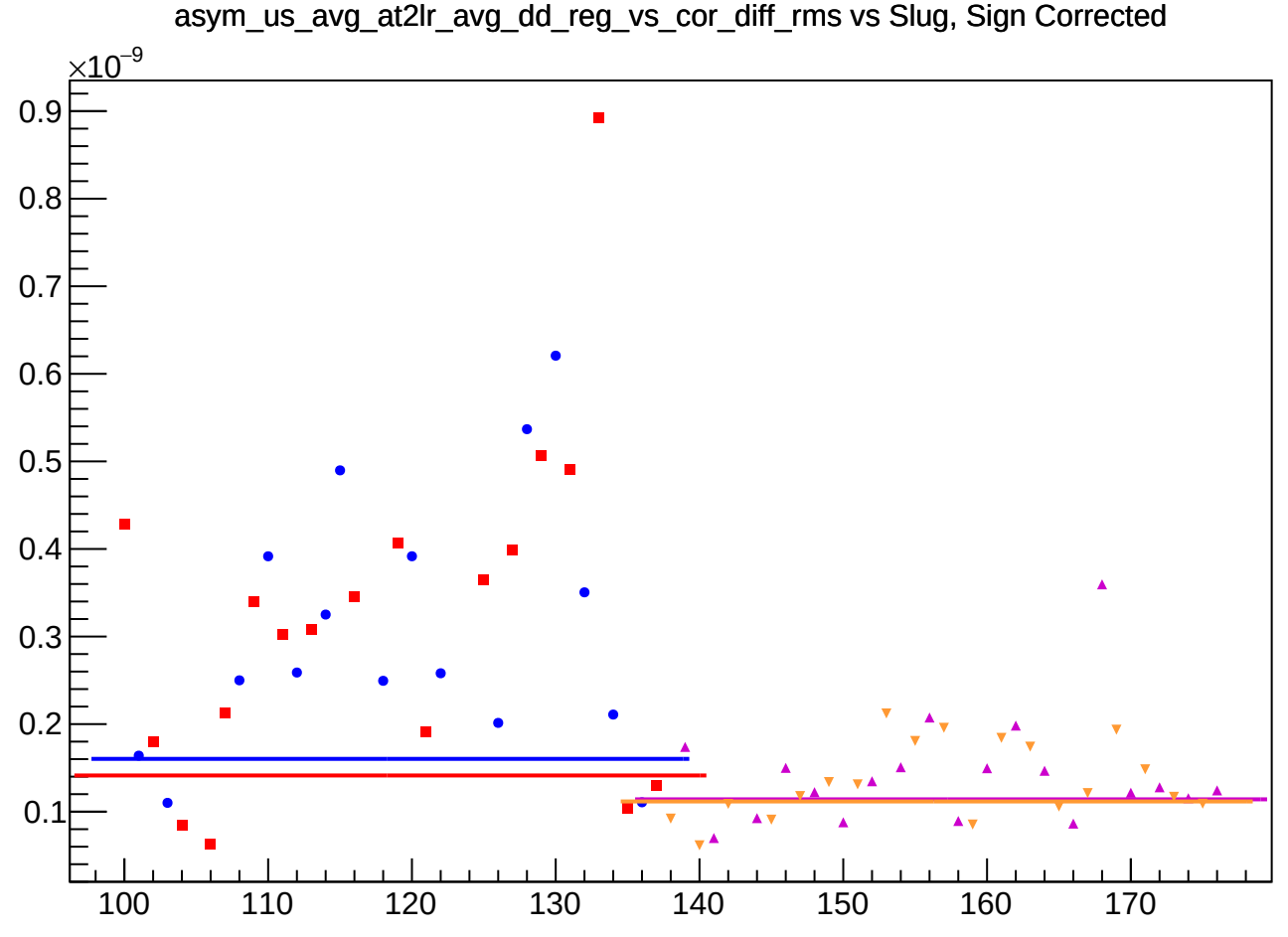
Left: 0.000+/-0.000 χ^2/NDF: 39.4/37

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.7/34

Out: 0.000+/-0.000 χ^2/NDF:41.3/36

All: 0.000+/-0.000 χ^2/NDF: 65.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181605.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1163048.9/18

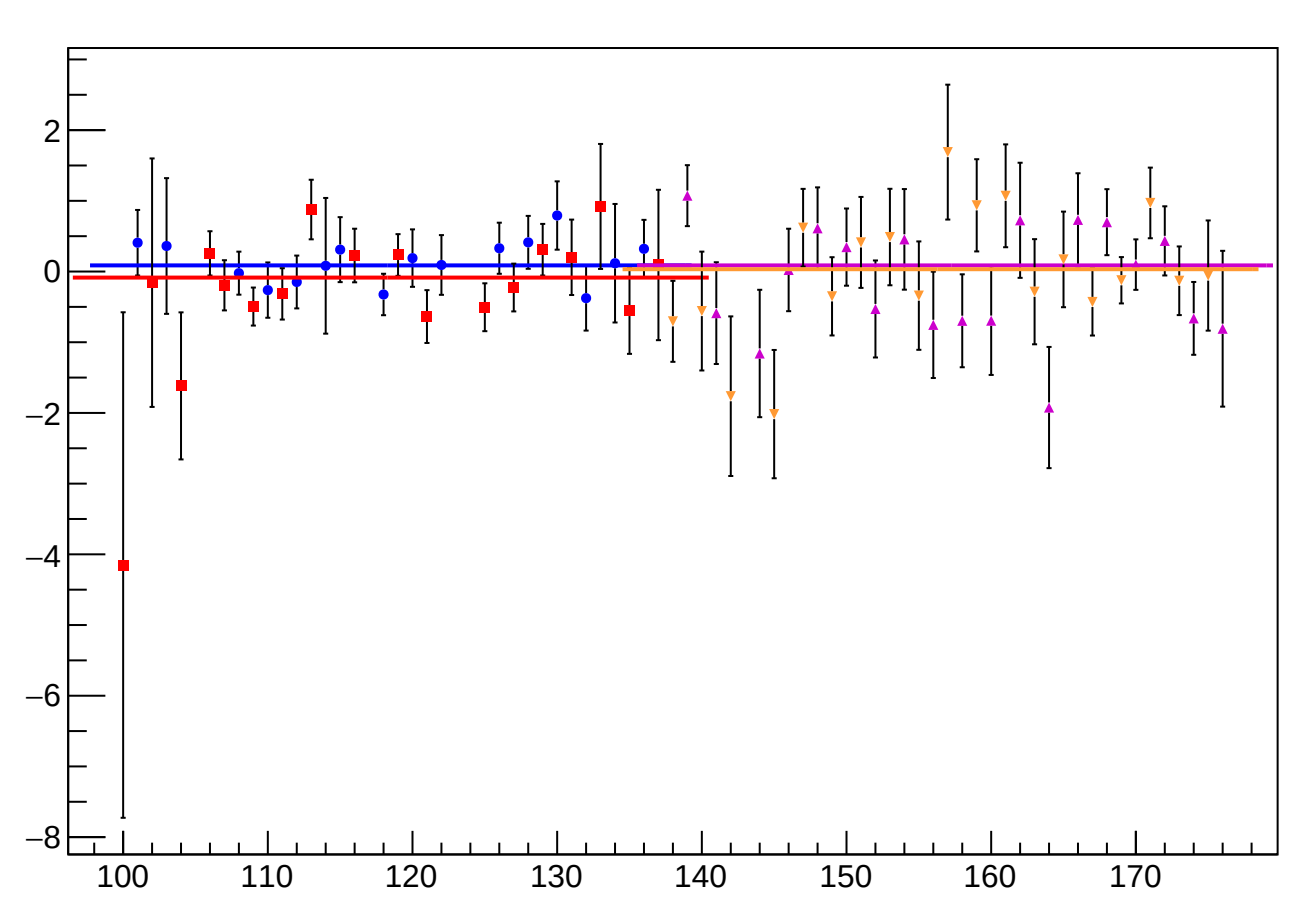
Left: 0.000+/-0.000 χ^2/NDF: 2347055.0/37

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2815003.6/34

Out: 0.000+/-0.000 χ^2/NDF:3484049.3/36

All: 0.000+/-0.000 χ^2/NDF: 6315065.6/71



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

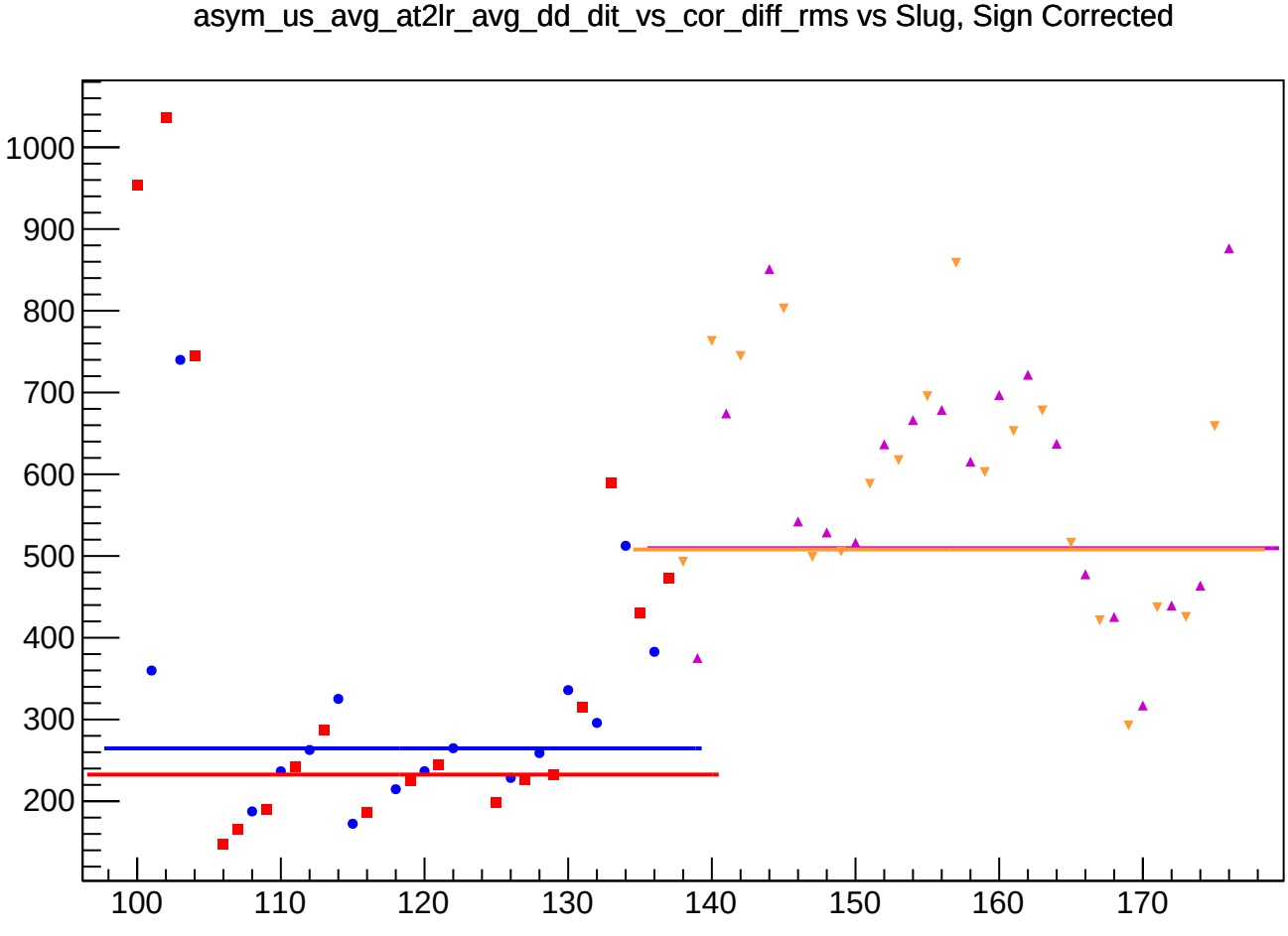
Left: 0.060+/-0.097 χ^2/NDF: 50.5/37

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.017+/-0.057 χ^2/NDF: 82.9/71


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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600
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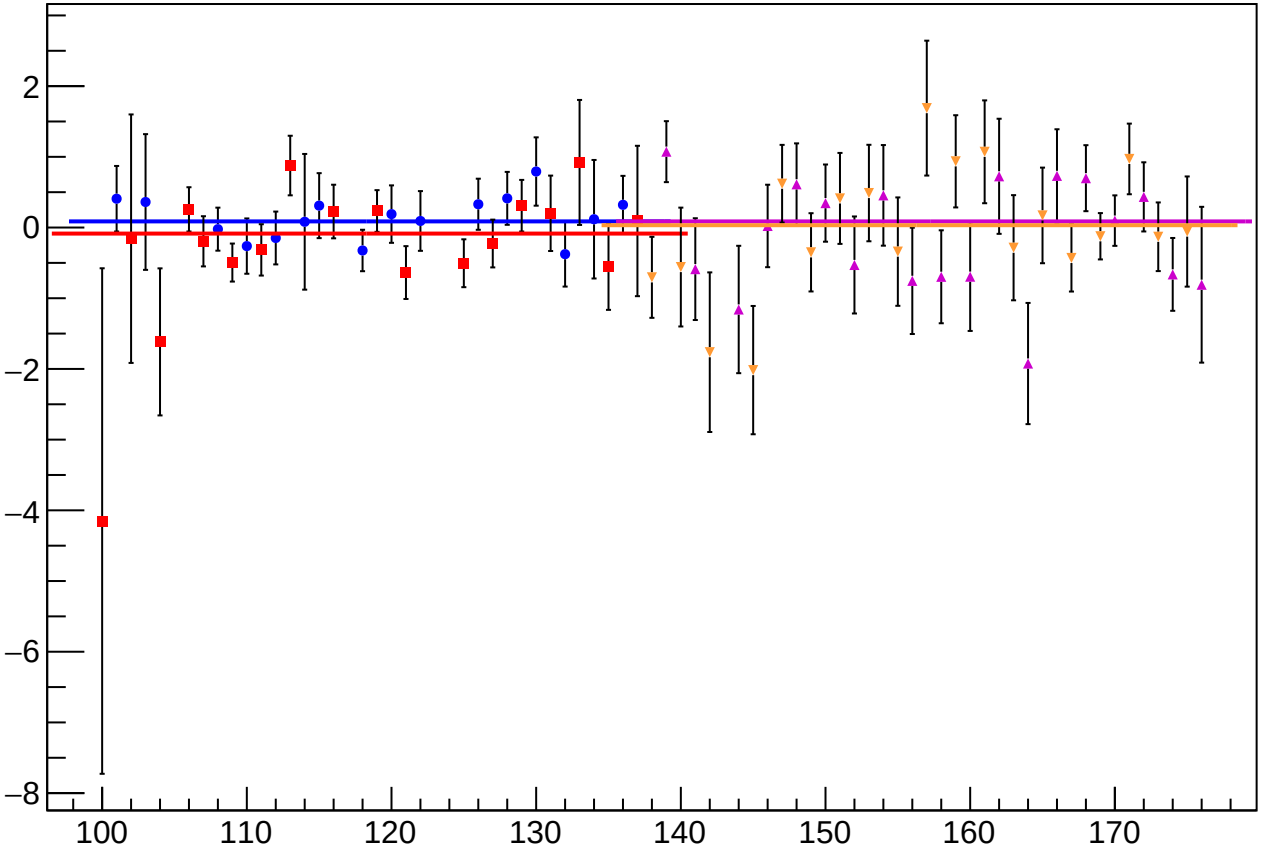
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 507.949+/-0.098 χ²/NDF:2286558.6/18
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 509.518+/-0.096 χ²/NDF:2142026.6/18
Left: 508.746+/-0.069 χ²/NDF: 4428716.2/37
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 356.204+/-0.059 χ²/NDF:7485833.0/34
Out: 323.821+/-0.056 χ²/NDF:9621682.3/36
All: 339.306+/-0.041 χ²/NDF: 17265817.7/71

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: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

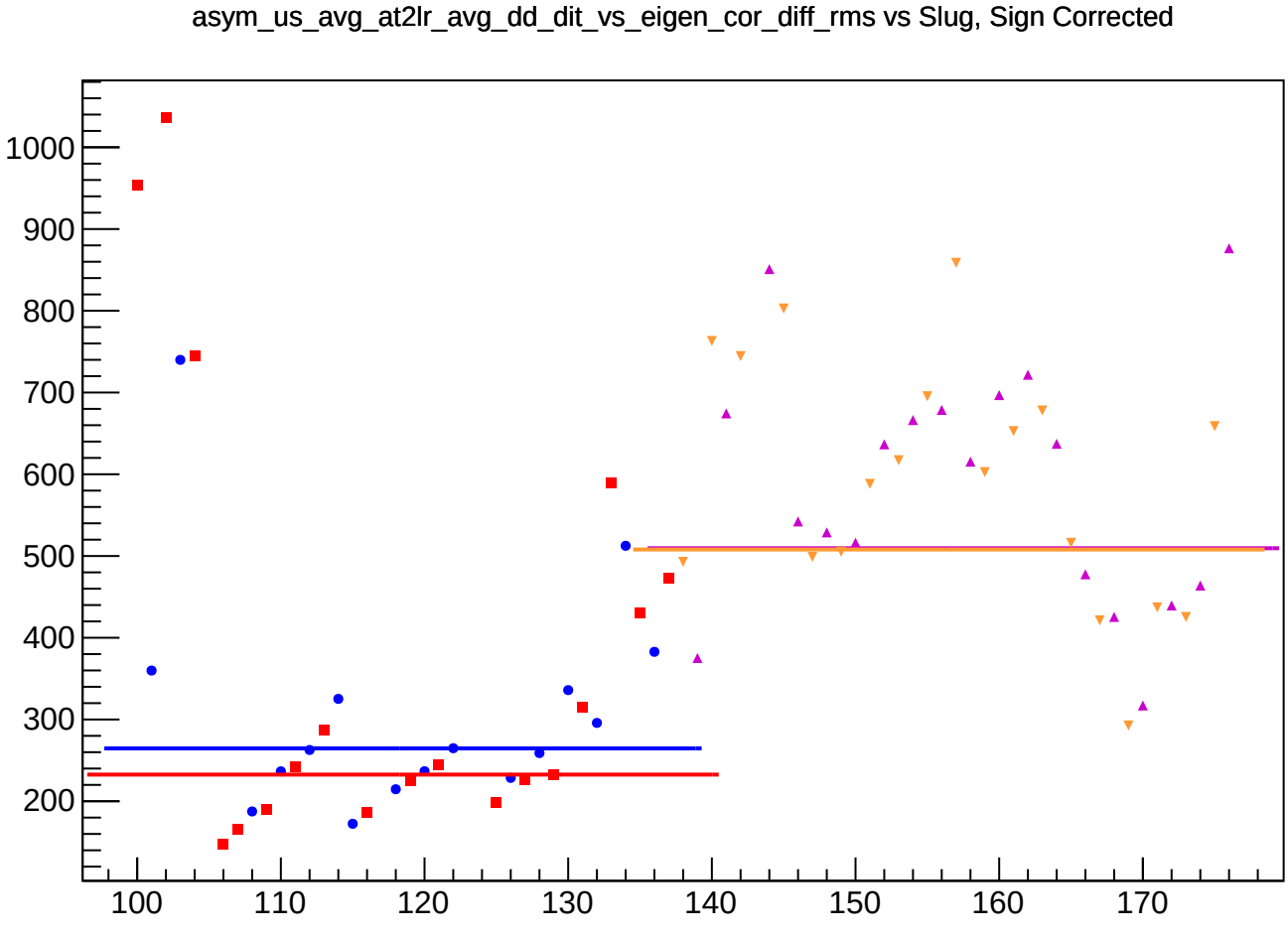
Left: 0.060+/-0.097 χ^2/NDF: 50.5/37

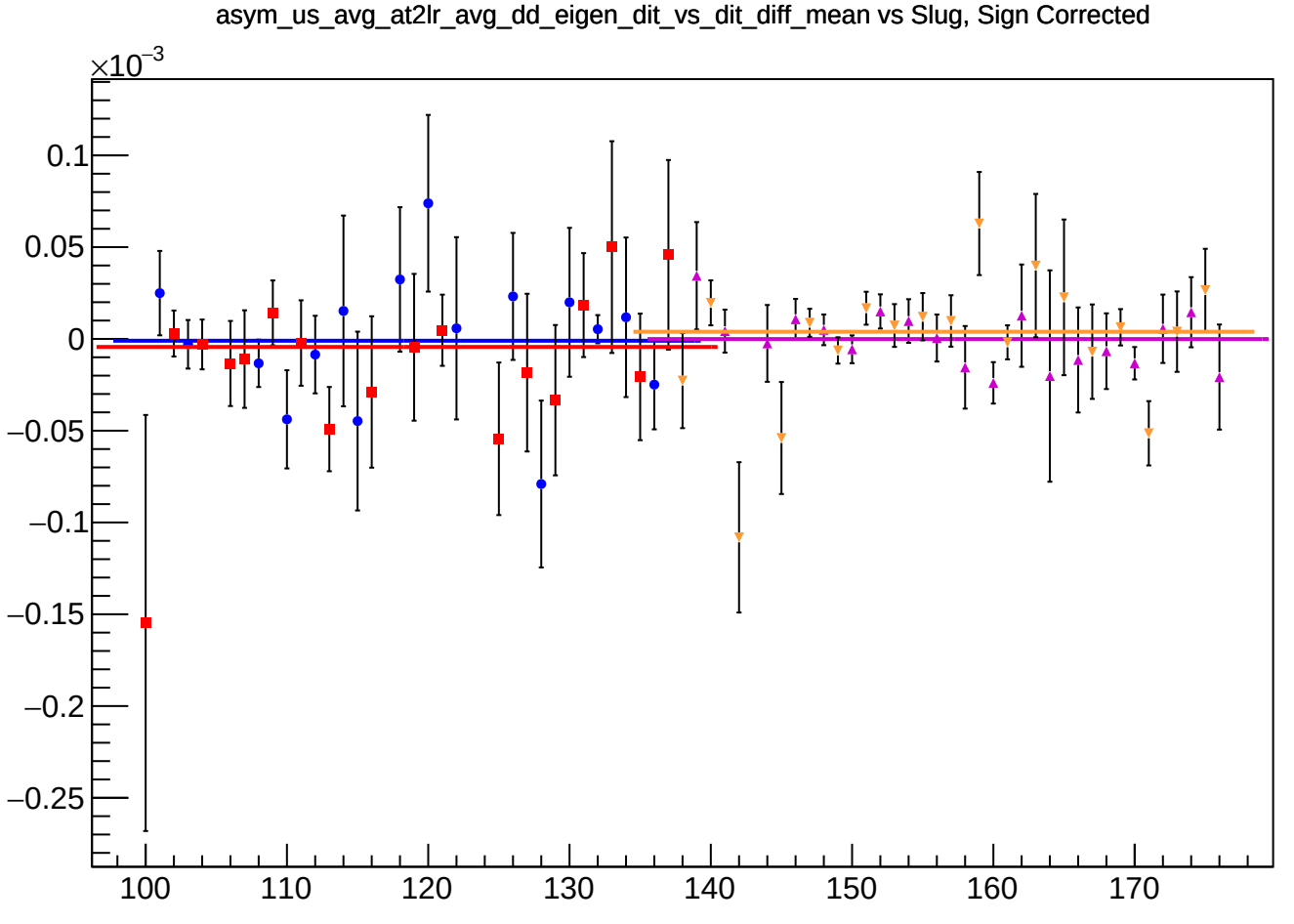
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.017+/-0.057 χ^2/NDF: 82.9/71


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_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: 507.949+/-0.098 χ²/NDF:2286558.6/18
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 509.518+/-0.096 χ²/NDF:2142026.6/18
Left: 508.746+/-0.069 χ²/NDF: 4428716.2/37
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 356.204+/-0.059 χ²/NDF:7485833.0/34
Out: 323.821+/-0.056 χ²/NDF:9621682.3/36
All: 339.306+/-0.041 χ²/NDF: 17265817.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/18

Left: 0.000+/-0.000 χ^2/NDF: 52.5/37

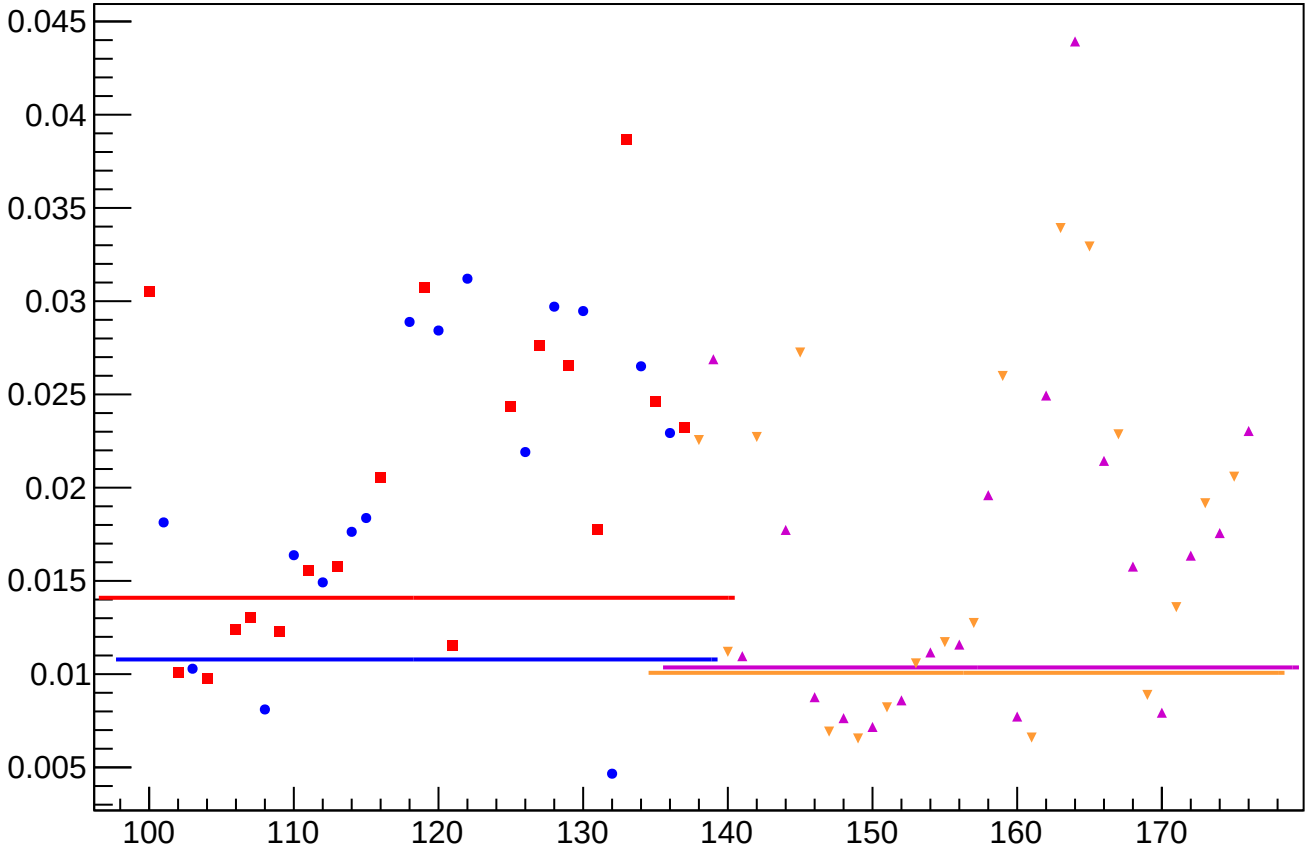
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:30.0/34

Out: 0.000+/-0.000 χ^2/NDF:50.2/36

All: 0.000+/-0.000 χ^2/NDF: 80.7/71

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:5961242.8/18

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:4744495.0/18

Left: 0.010+/-0.000 χ^2/NDF: 10714947.1/37

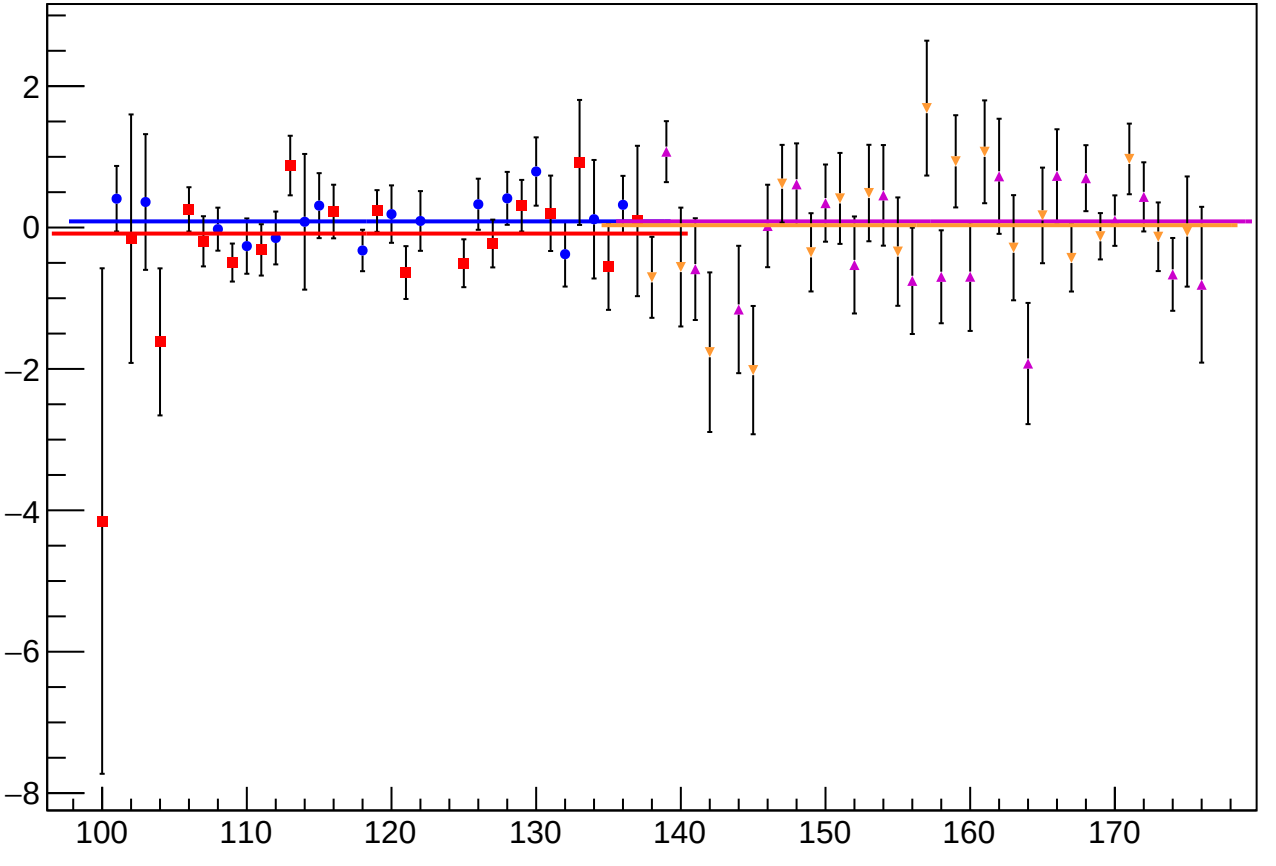
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:9335378.7/34

Out: 0.011+/-0.000 χ^2/NDF:8819638.9/36

All: 0.011+/-0.000 χ^2/NDF: 18186493.1/71

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

Left: 0.060+/-0.097 χ^2/NDF: 50.5/37

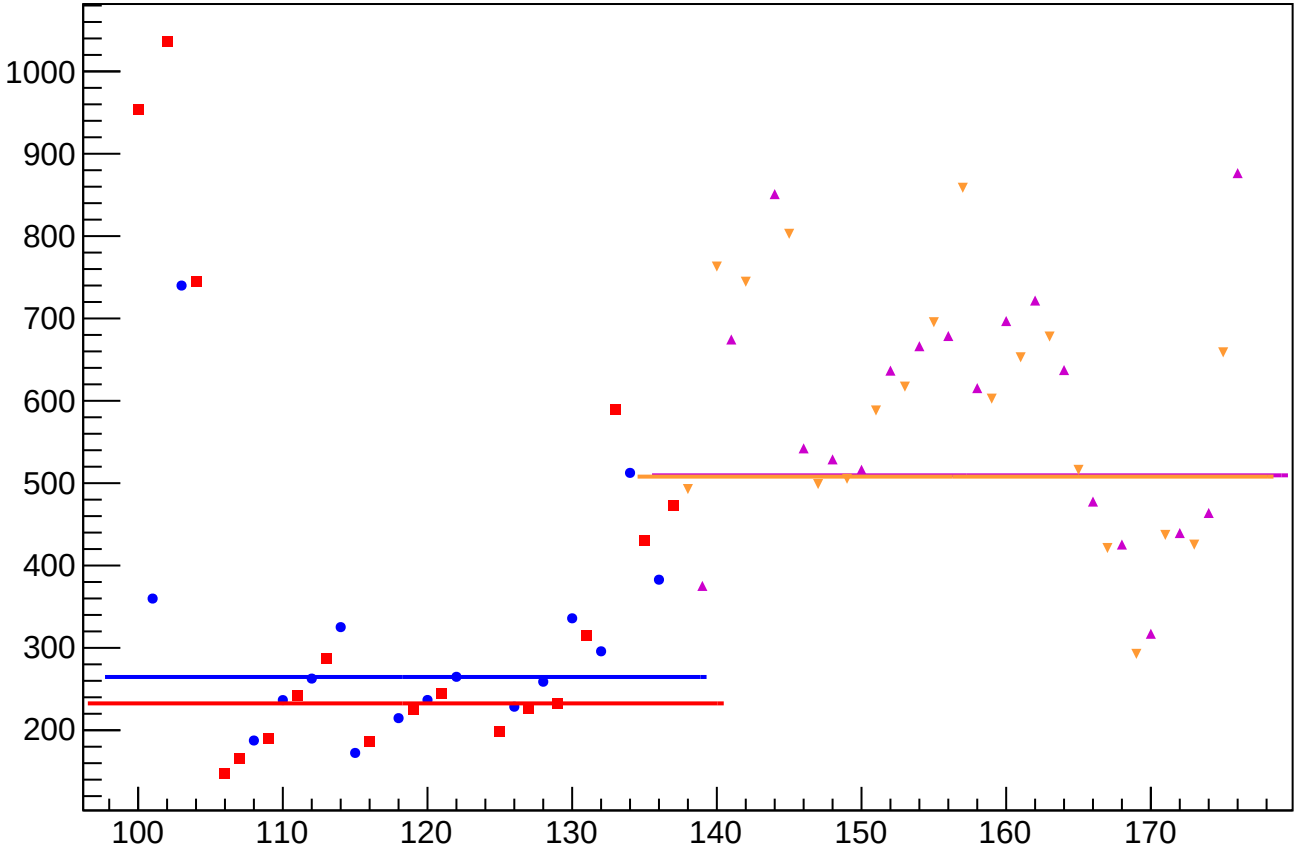
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.017+/-0.057 χ^2/NDF: 82.9/71

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 507.949+/-0.098 χ^2/NDF:2286684.0/18

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

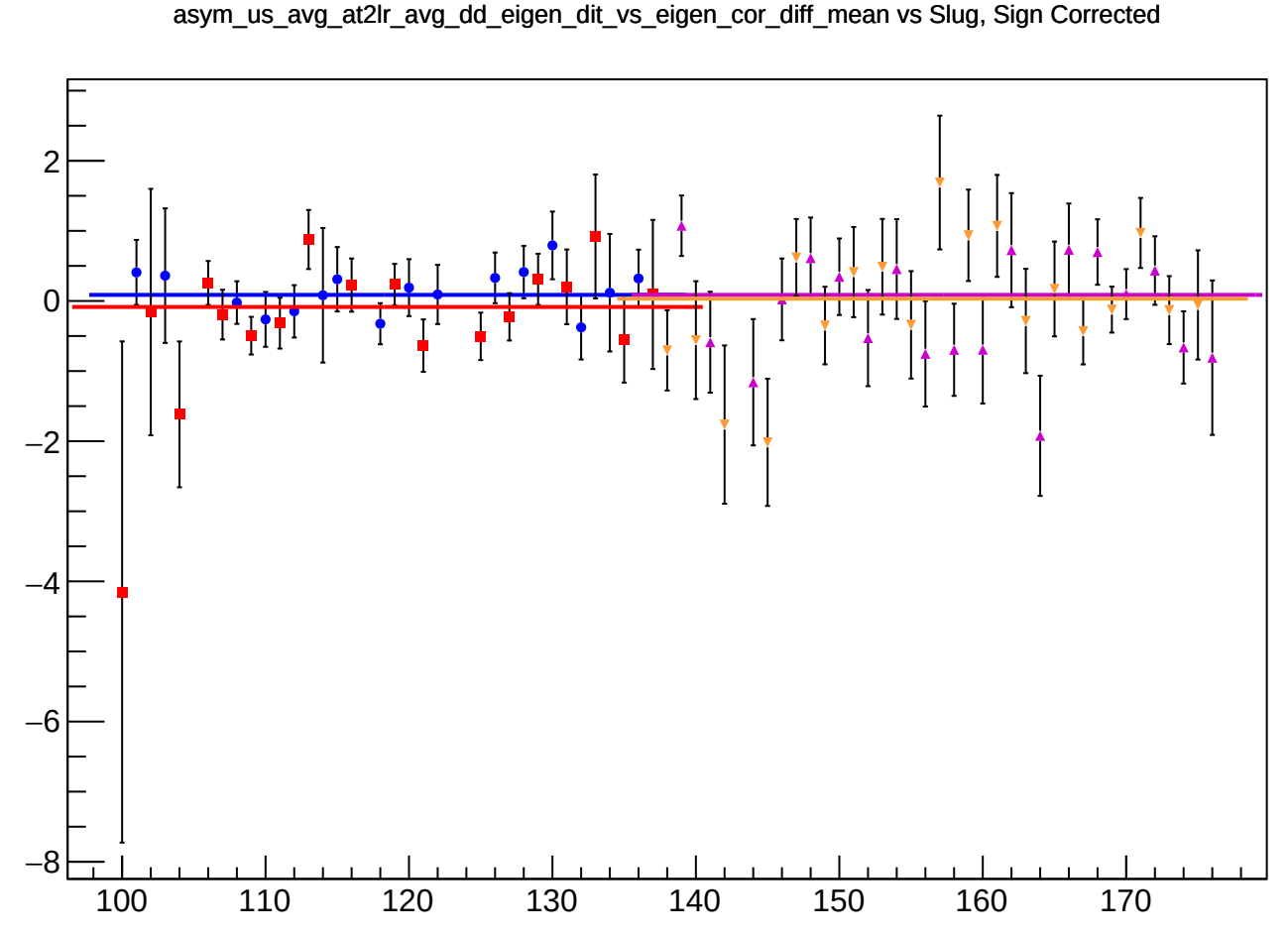
Left: 508.748+/-0.069 χ^2/NDF: 4428899.9/37

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 356.204+/-0.059 χ^2/NDF:7485936.5/34

Out: 323.821+/-0.056 χ^2/NDF:9621757.6/36

All: 339.306+/-0.041 χ^2/NDF: 17265991.5/71



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.033+/-0.138 χ^2/NDF:24.5/18

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

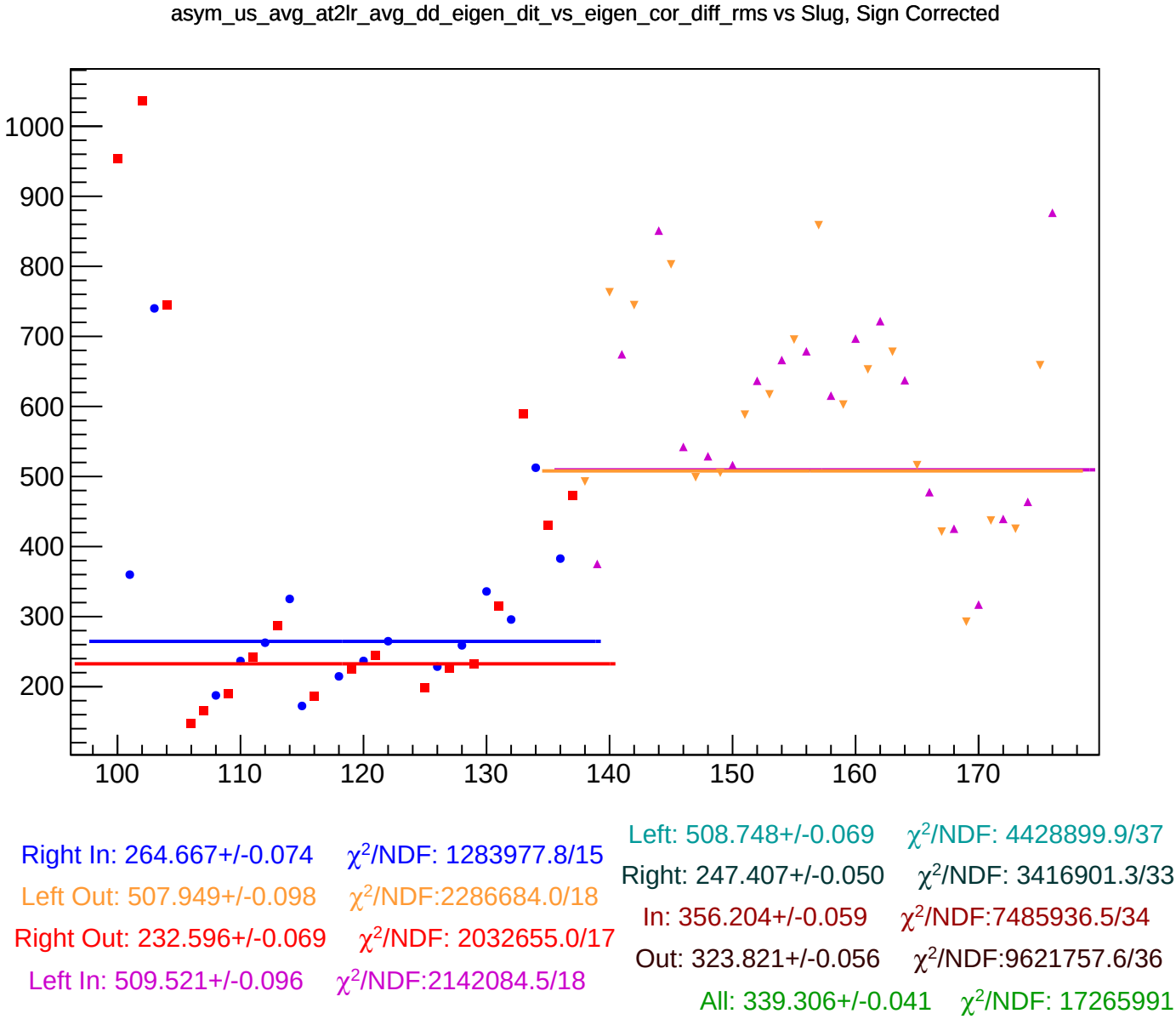
Left: 0.060+/-0.097 χ^2/NDF: 50.5/37

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.046+/-0.080 χ^2/NDF:46.8/36

All: 0.017+/-0.057 χ^2/NDF: 82.9/71


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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110
120
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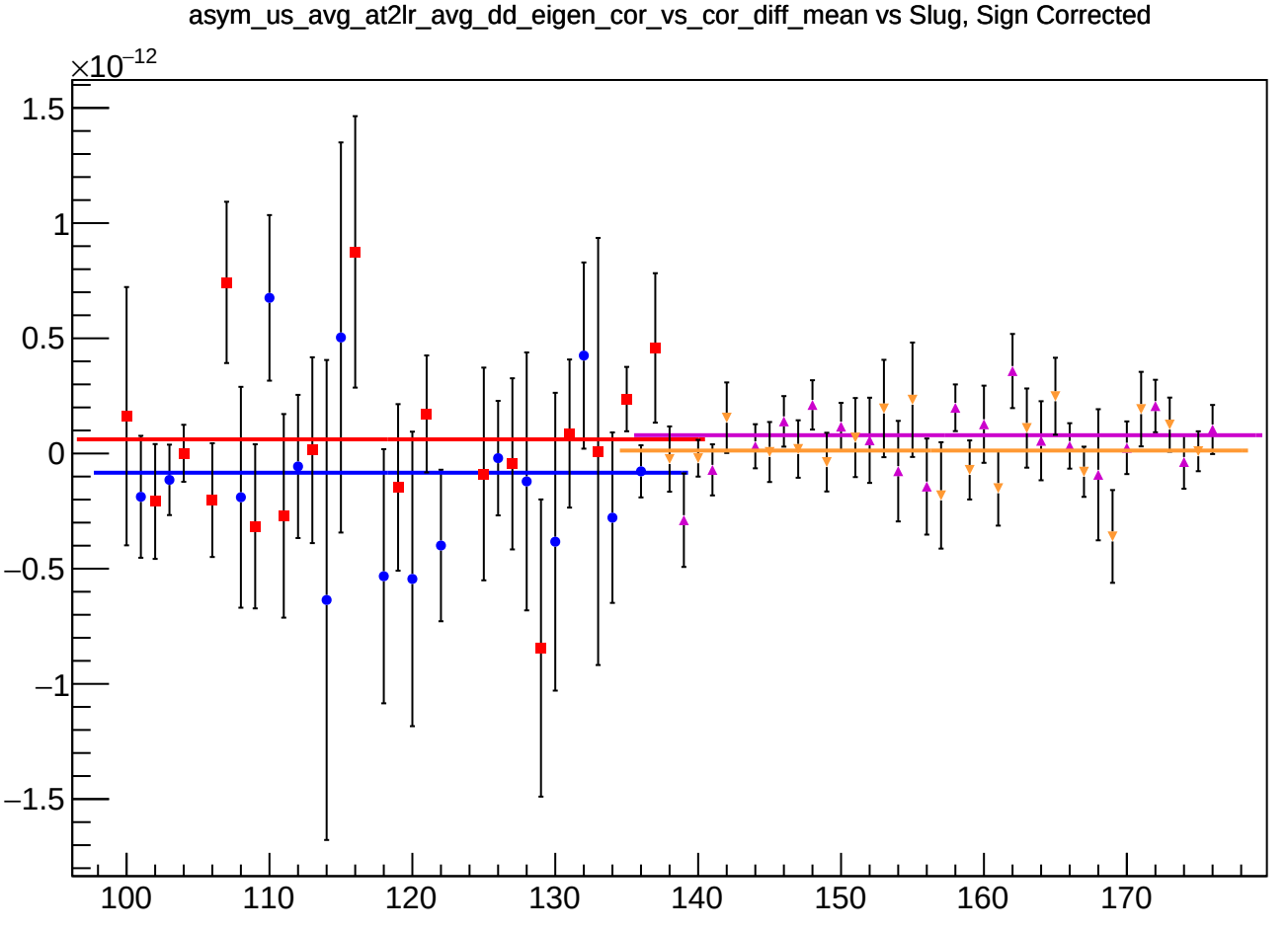
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 507.949+/-0.098 χ²/NDF:2286684.0/18
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 509.521+/-0.096 χ²/NDF:2142084.5/18
Left: 508.748+/-0.069 χ²/NDF: 4428899.9/37
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 356.204+/-0.059 χ²/NDF:7485936.5/34
Out: 323.821+/-0.056 χ²/NDF:9621757.6/36
All: 339.306+/-0.041 χ²/NDF: 17265991.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.6/18

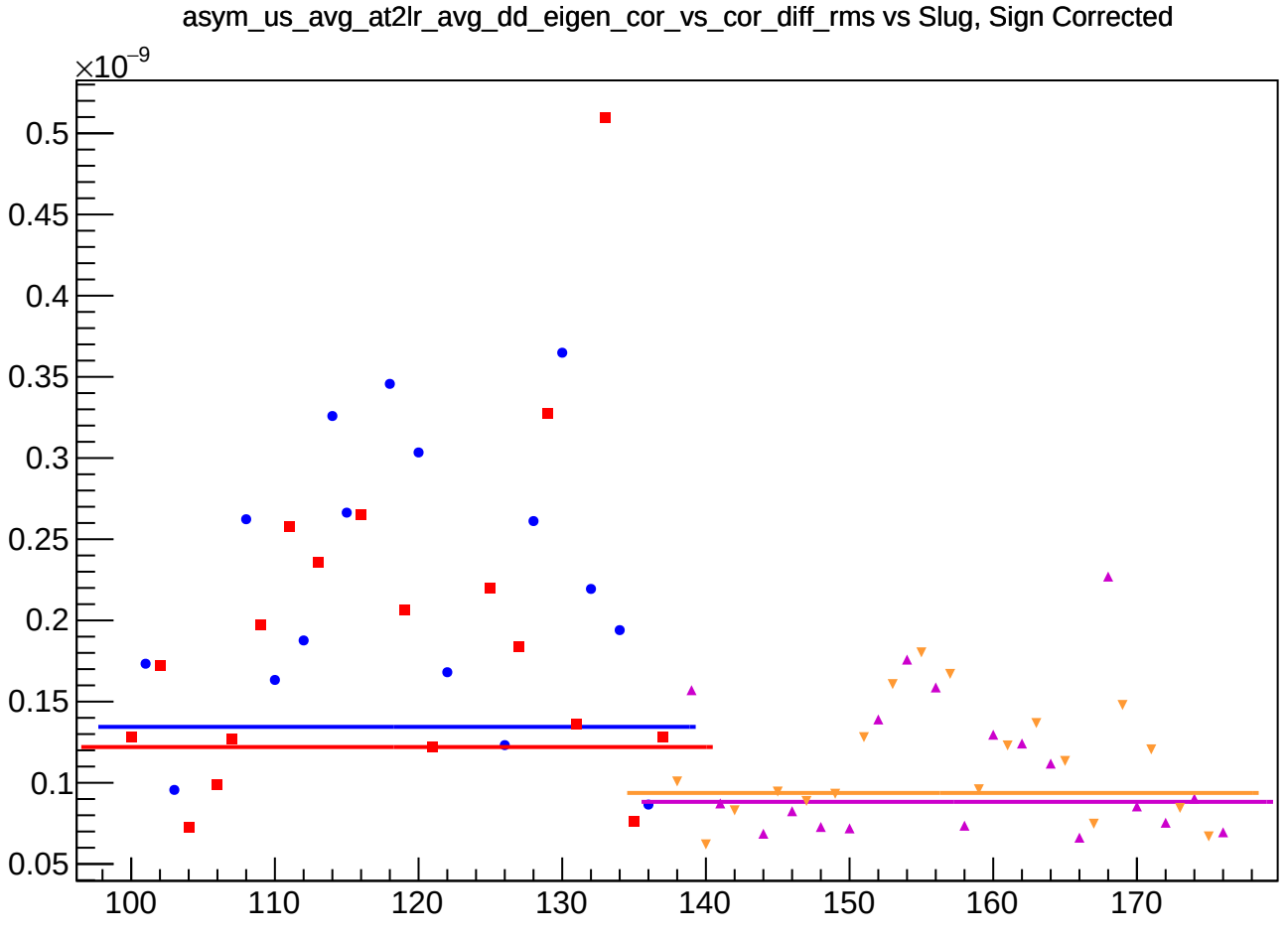
Left: 0.000+/-0.000 χ^2/NDF: 32.7/37

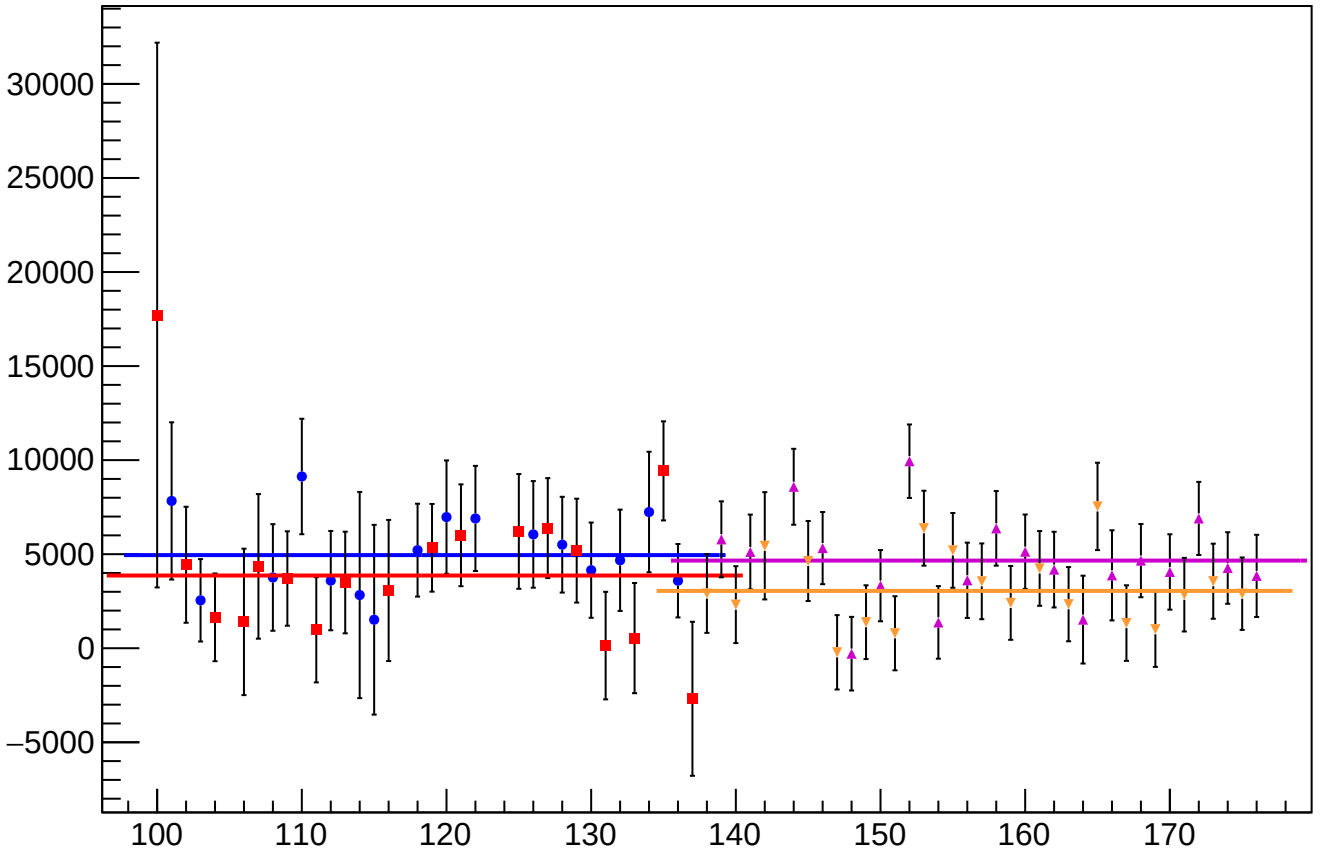
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:31.1/34

Out: 0.000+/-0.000 χ^2/NDF:29.9/36

All: 0.000+/-0.000 χ^2/NDF: 61.7/71


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:1741386.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2078598.3/18
Left: 0.000+/-0.000 χ²/NDF: 3853450.7/37
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4654726.1/34
Out: 0.000+/-0.000 χ²/NDF:4057296.6/36
All: 0.000+/-0.000 χ²/NDF: 8731674.7/71



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.635+/-467.679 χ^2/NDF:16.4/18

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.519+/-460.499 χ^2/NDF:26.0/18

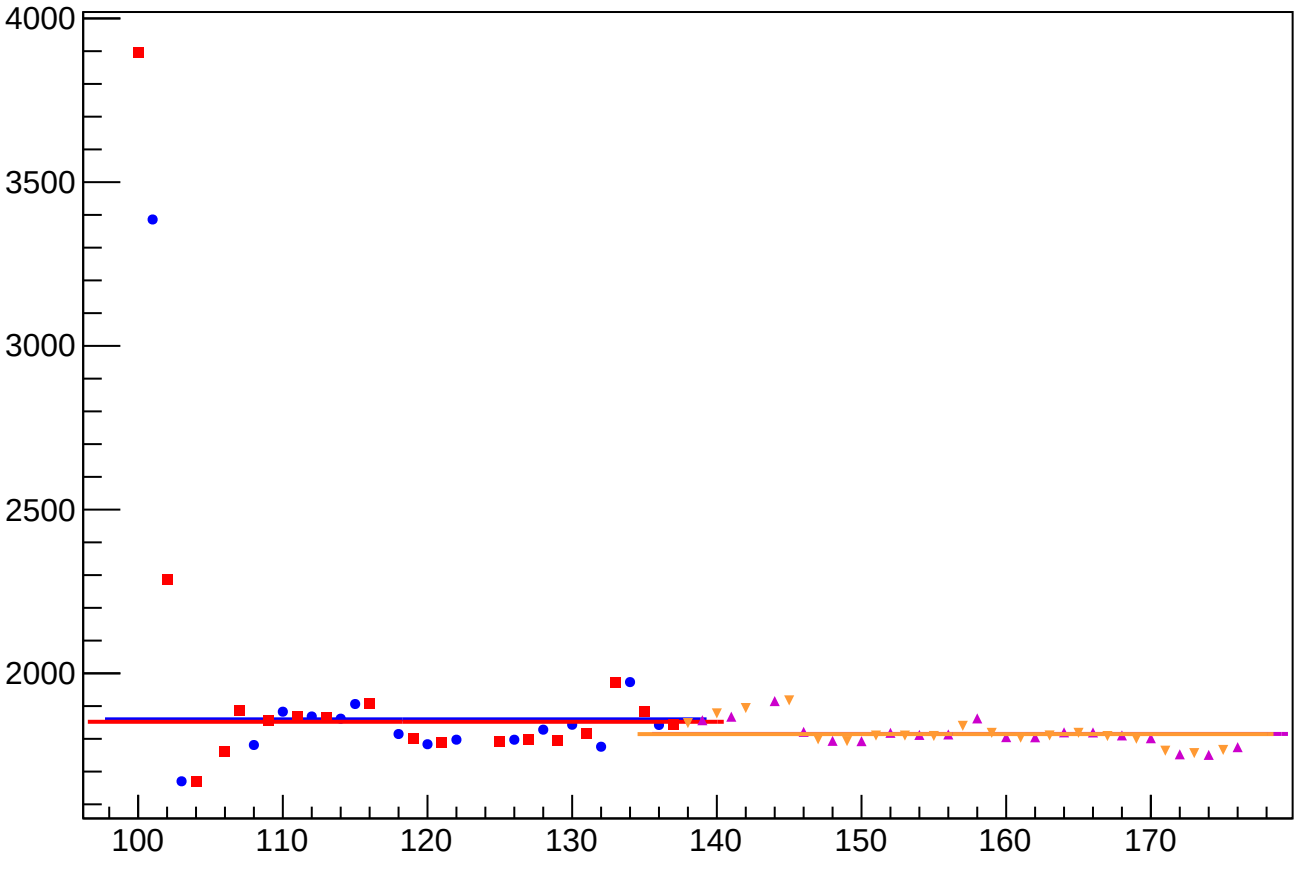
Left: 3865.553+/-328.131 χ^2/NDF: 48.4/37

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4747.543+/-384.539 χ^2/NDF:33.0/34

Out: 3301.357+/-388.145 χ^2/NDF:33.5/36

All: 4031.199+/-273.176 χ^2/NDF: 73.5/71



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

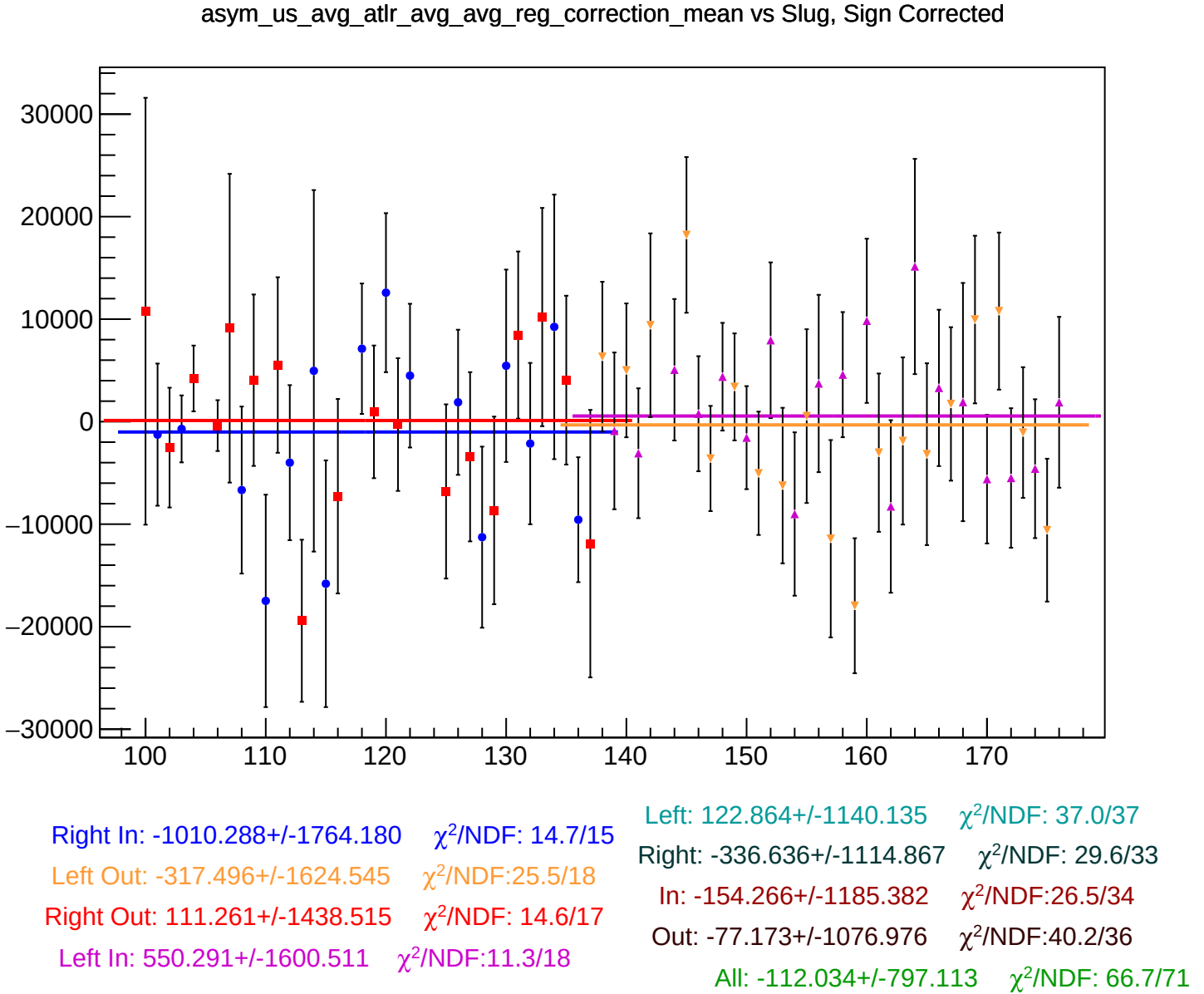
Left: 1814.695+/-0.232 χ^2/NDF: 27993.1/37

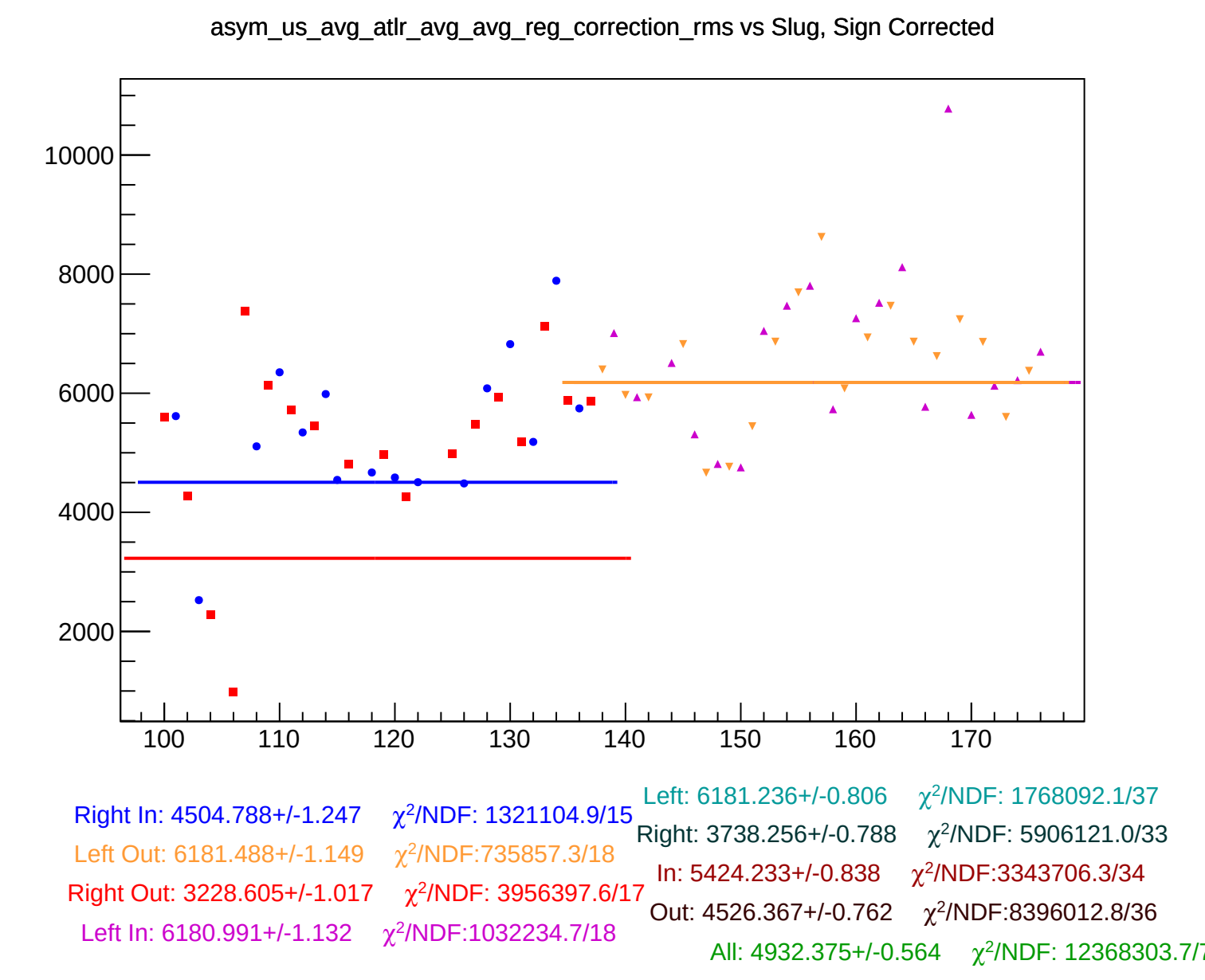
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

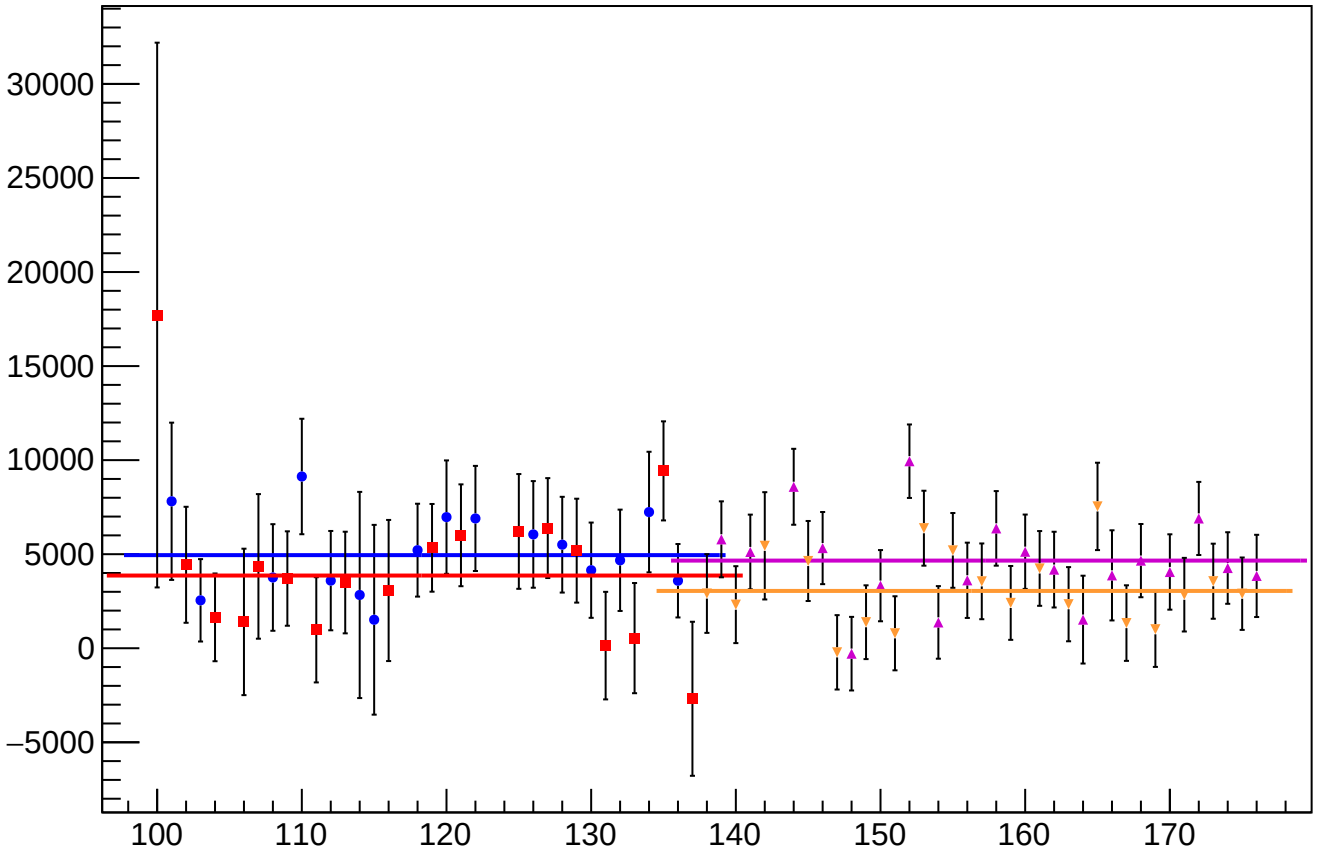
In: 1828.434+/-0.272 χ^2/NDF:312097.3/34

Out: 1826.196+/-0.274 χ^2/NDF:120157.2/36

All: 1827.325+/-0.193 χ^2/NDF: 432288.1/71


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1010.288+/-1764.180 χ²/NDF: 14.7/15
Left Out: -317.496+/-1624.545 χ²/NDF:25.5/18
Right Out: 111.261+/-1438.515 χ²/NDF: 14.6/17
Left In: 550.291+/-1600.511 χ²/NDF:11.3/18
Left: 122.864+/-1140.135 χ²/NDF: 37.0/37
Right: -336.636+/-1114.867 χ²/NDF: 29.6/33
In: -154.266+/-1185.382 χ²/NDF:26.5/34
Out: -77.173+/-1076.976 χ²/NDF:40.2/36
All: -112.034+/-797.113 χ²/NDF: 66.7/71


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: 6181.488+/-1.149 χ²/NDF:735857.3/18
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6180.991+/-1.132 χ²/NDF:1032234.7/18
Left: 6181.236+/-0.806 χ²/NDF: 1768092.1/37
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5424.233+/-0.838 χ²/NDF:3343706.3/34
Out: 4526.367+/-0.762 χ²/NDF:8396012.8/36
All: 4932.375+/-0.564 χ²/NDF: 12368303.7/7



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.564+/-460.499 χ^2/NDF:26.0/18

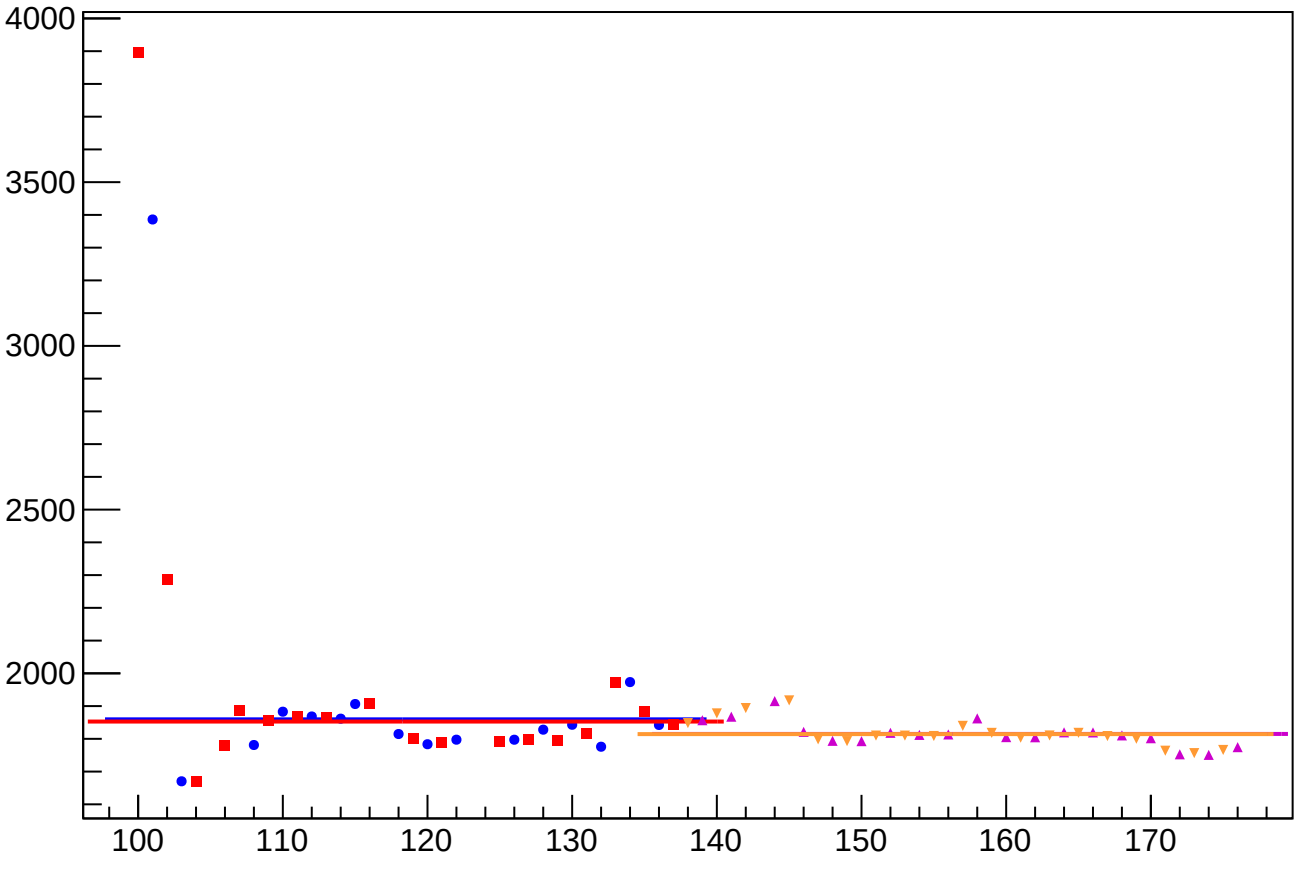
Left: 3865.544+/-328.131 χ^2/NDF: 48.4/37

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4747.428+/-384.539 χ^2/NDF:33.0/34

Out: 3301.246+/-388.145 χ^2/NDF:33.5/36

All: 4031.086+/-273.176 χ^2/NDF: 73.5/71



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

Left: 1814.695+/-0.232 χ^2/NDF: 27993.1/37

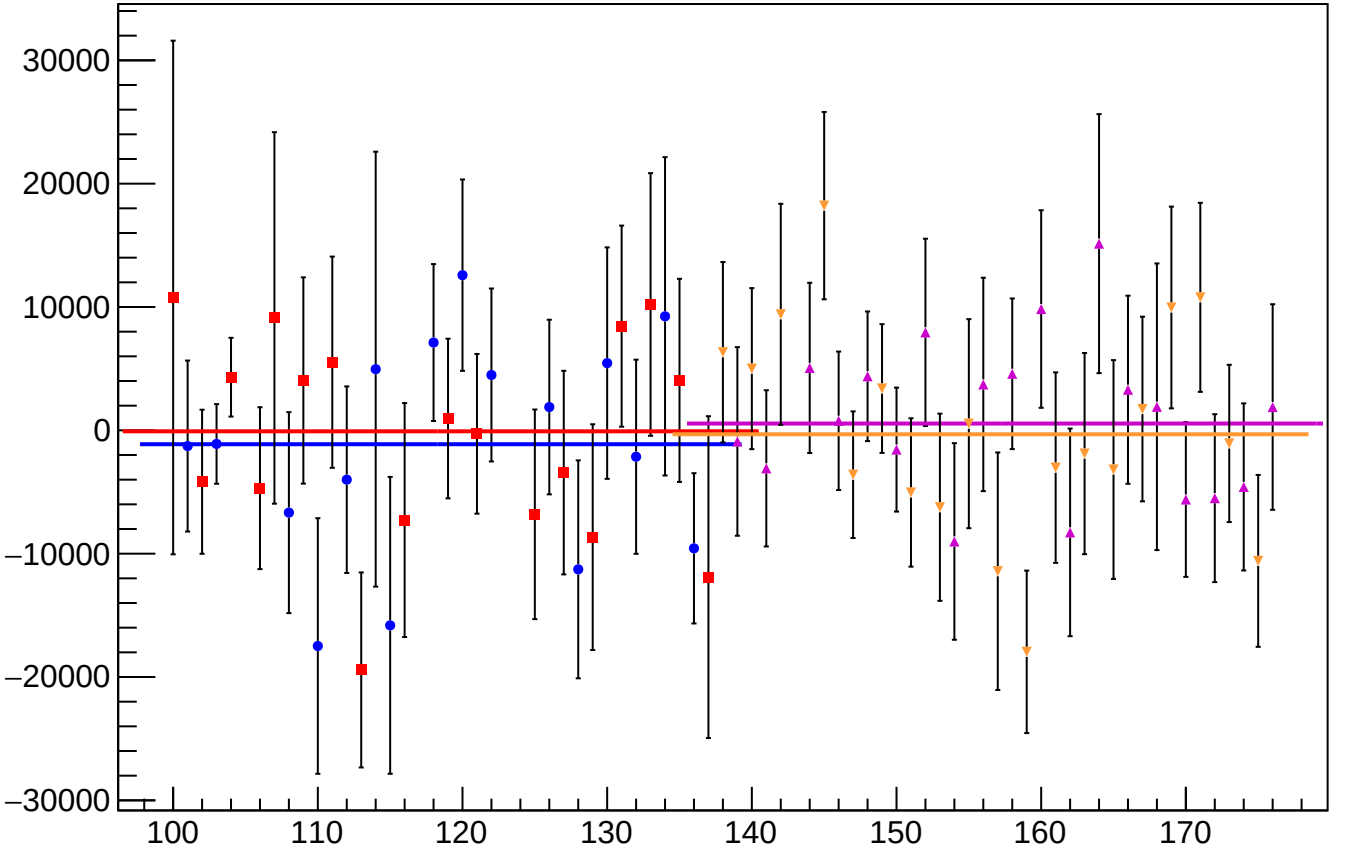
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1828.434+/-0.272 χ^2/NDF:312099.2/34

Out: 1826.411+/-0.274 χ^2/NDF:119846.4/36

All: 1827.431+/-0.193 χ^2/NDF: 431973.0/71

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 550.416+/-1600.511 χ^2/NDF:11.3/18

Left: 122.902+/-1140.134 χ^2/NDF: 37.0/37

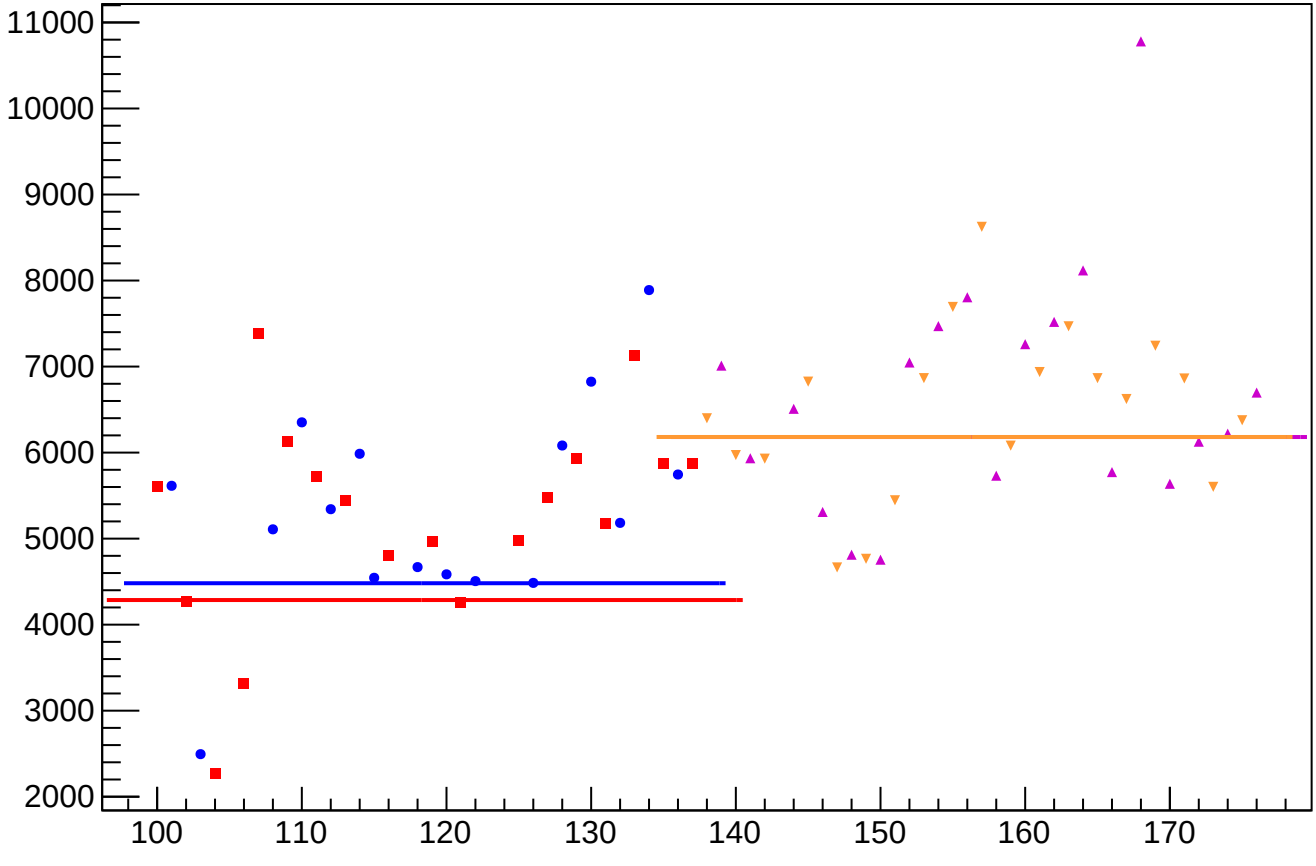
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -209.216+/-1183.464 χ^2/NDF:26.6/34

Out: -203.508+/-1175.301 χ^2/NDF:41.0/36

All: -206.342+/-833.934 χ^2/NDF: 67.6/71

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: 6181.483+/-1.149 χ^2/NDF:735863.1/18

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

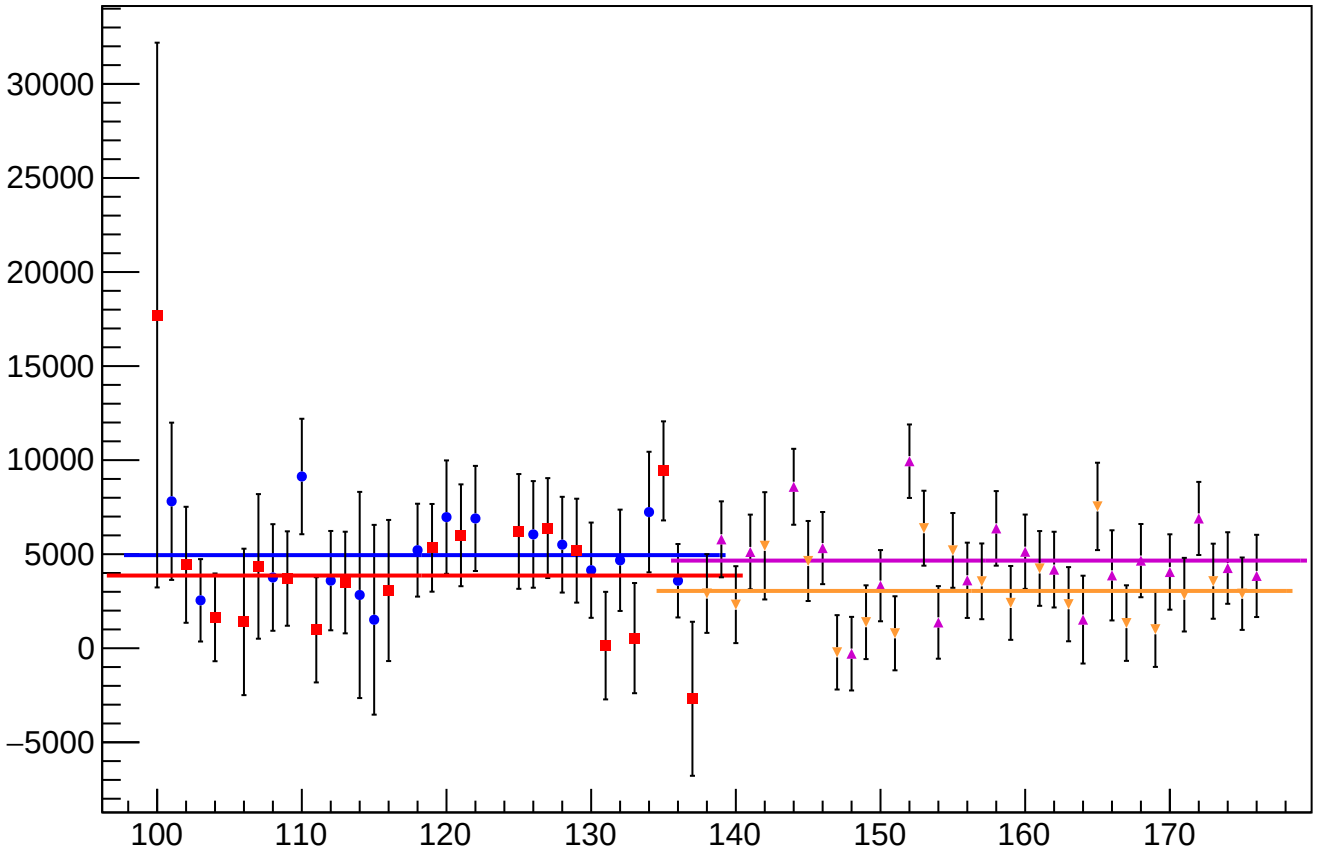
Left: 6181.233+/-0.806 χ^2/NDF: 1768105.9/37

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5410.712+/-0.837 χ^2/NDF:3416552.3/34

Out: 5278.159+/-0.831 χ^2/NDF:3583200.5/36

All: 5343.977+/-0.590 χ^2/NDF: 7012384.6/71



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3046.570+/-467.679 χ^2/NDF:16.4/18

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.564+/-460.499 χ^2/NDF:26.0/18

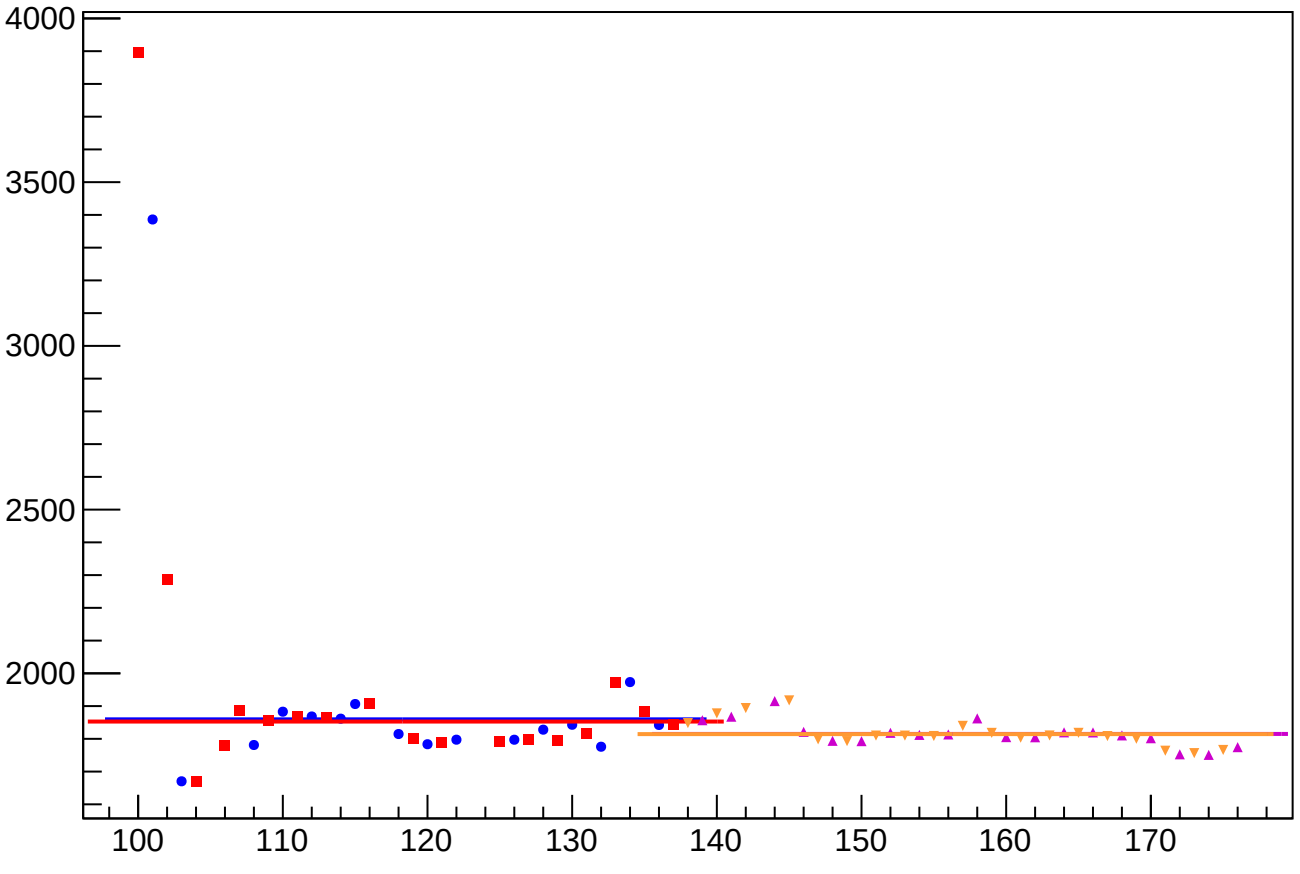
Left: 3865.544+/-328.131 χ^2/NDF: 48.4/37

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4747.428+/-384.539 χ^2/NDF:33.0/34

Out: 3301.246+/-388.145 χ^2/NDF:33.5/36

All: 4031.086+/-273.176 χ^2/NDF: 73.5/71



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1814.437+/-0.331 χ^2/NDF:13898.8/18

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

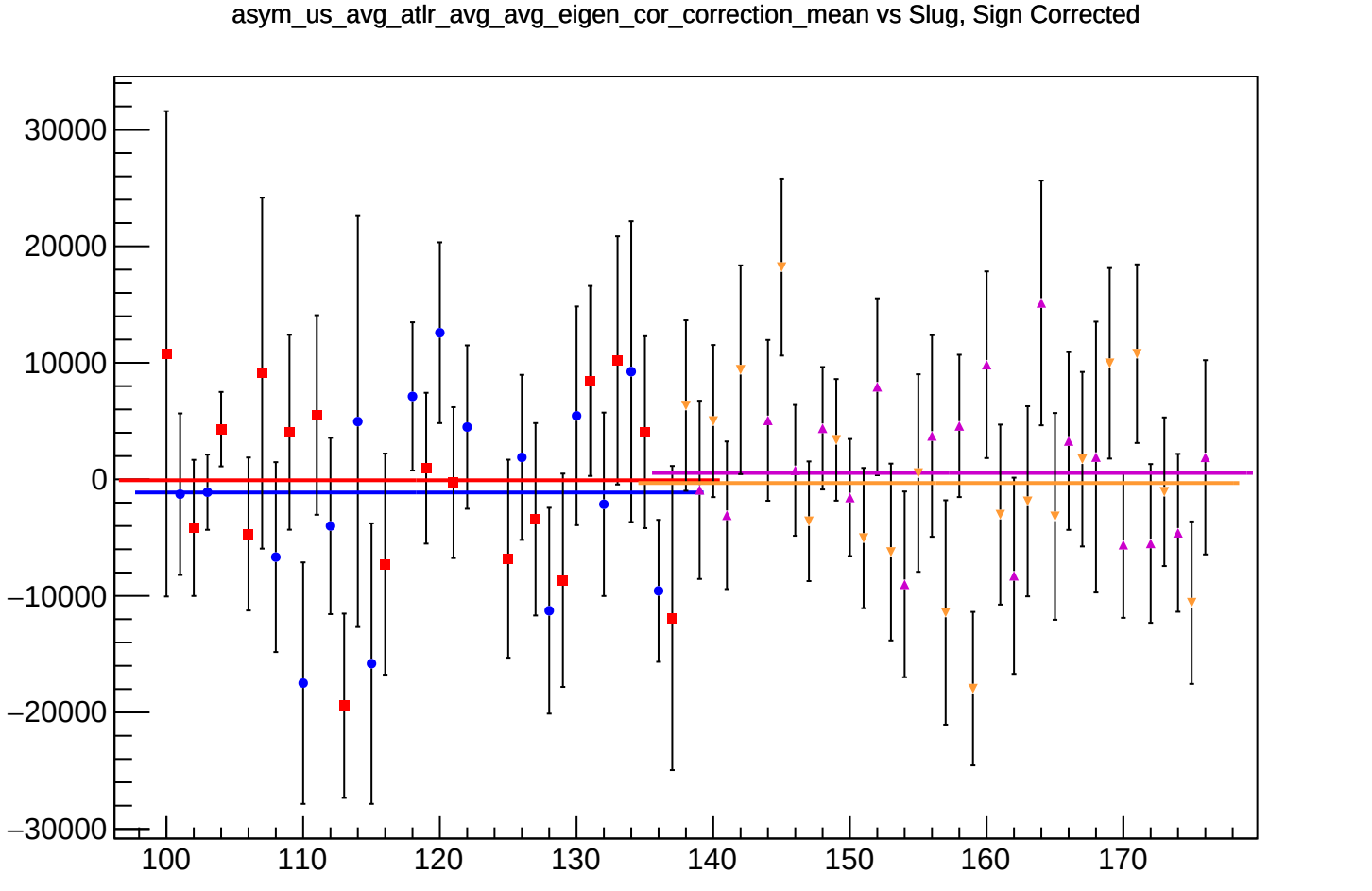
Left: 1814.695+/-0.232 χ^2/NDF: 27993.1/37

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1828.434+/-0.272 χ^2/NDF:312099.2/34

Out: 1826.411+/-0.274 χ^2/NDF:119846.4/36

All: 1827.431+/-0.193 χ^2/NDF: 431973.0/71



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -317.547+/-1624.544 χ^2/NDF:25.5/18

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 550.416+/-1600.511 χ^2/NDF:11.3/18

Left: 122.902+/-1140.134 χ^2/NDF: 37.0/37

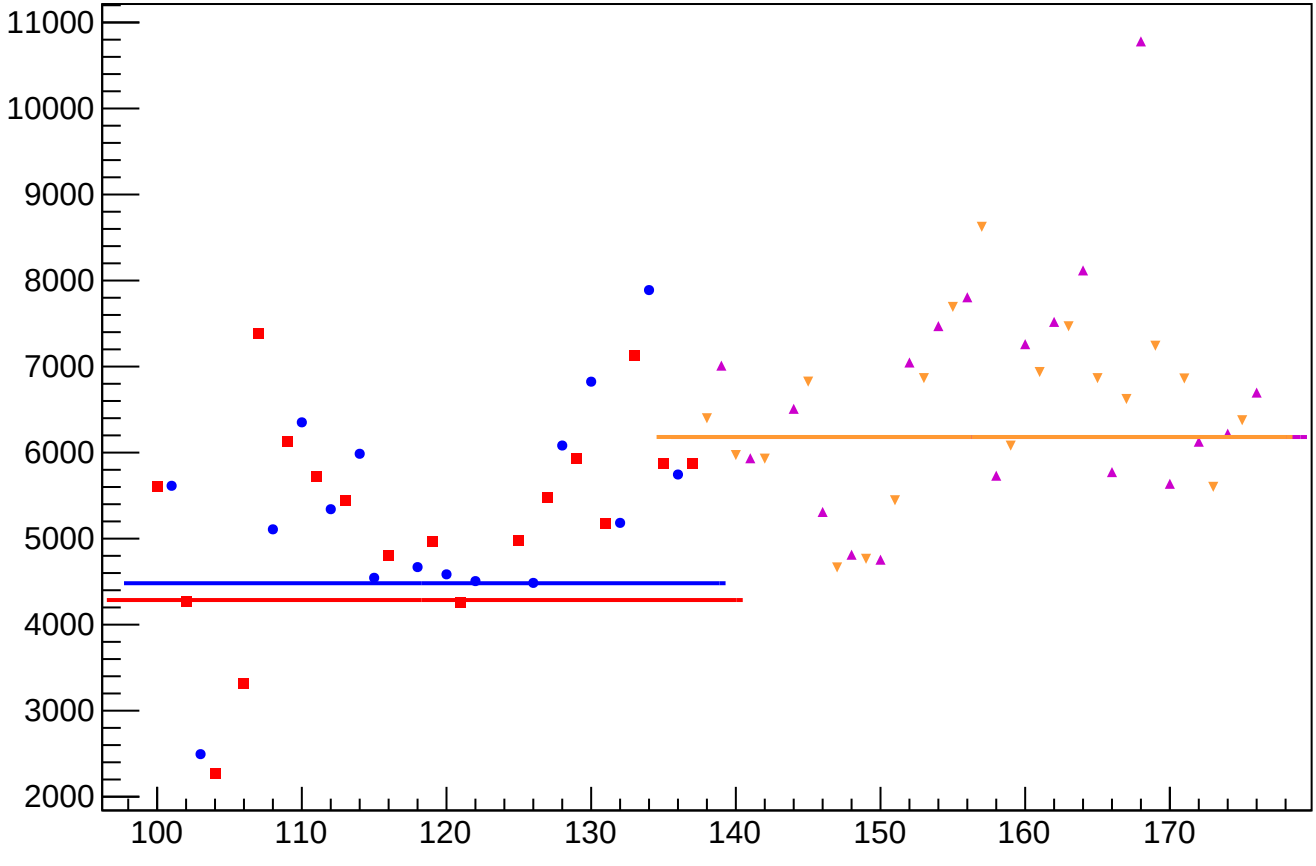
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -209.216+/-1183.464 χ^2/NDF:26.6/34

Out: -203.508+/-1175.301 χ^2/NDF:41.0/36

All: -206.342+/-833.934 χ^2/NDF: 67.6/71

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: 6181.483+/-1.149 χ^2/NDF:735863.1/18

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

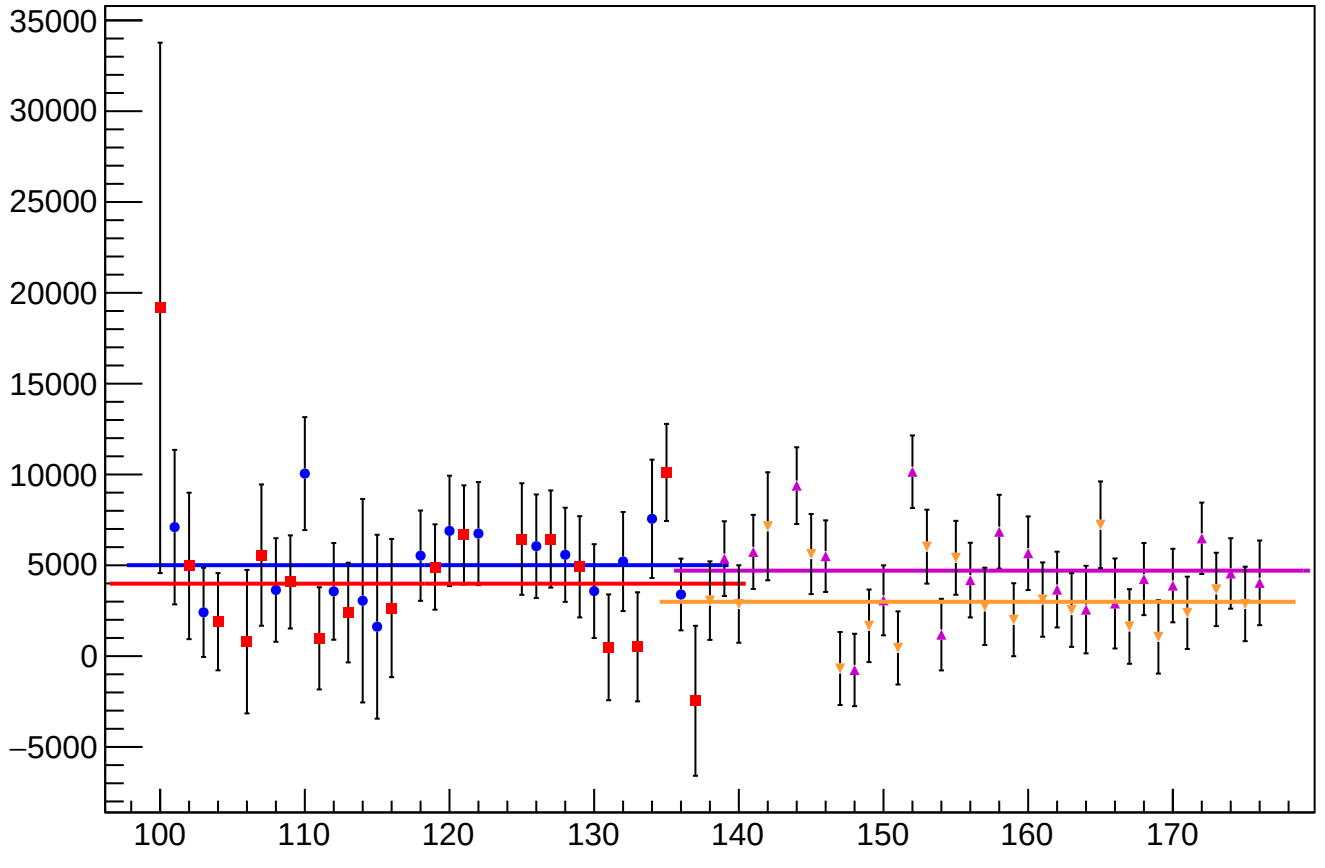
Left: 6181.233+/-0.806 χ^2/NDF: 1768105.9/37

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5410.712+/-0.837 χ^2/NDF:3416552.3/34

Out: 5278.159+/-0.831 χ^2/NDF:3583200.5/36

All: 5343.977+/-0.590 χ^2/NDF: 7012384.6/71



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.549+/-480.937 χ^2/NDF:17.4/18

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4706.344+/-472.401 χ^2/NDF:28.4/18

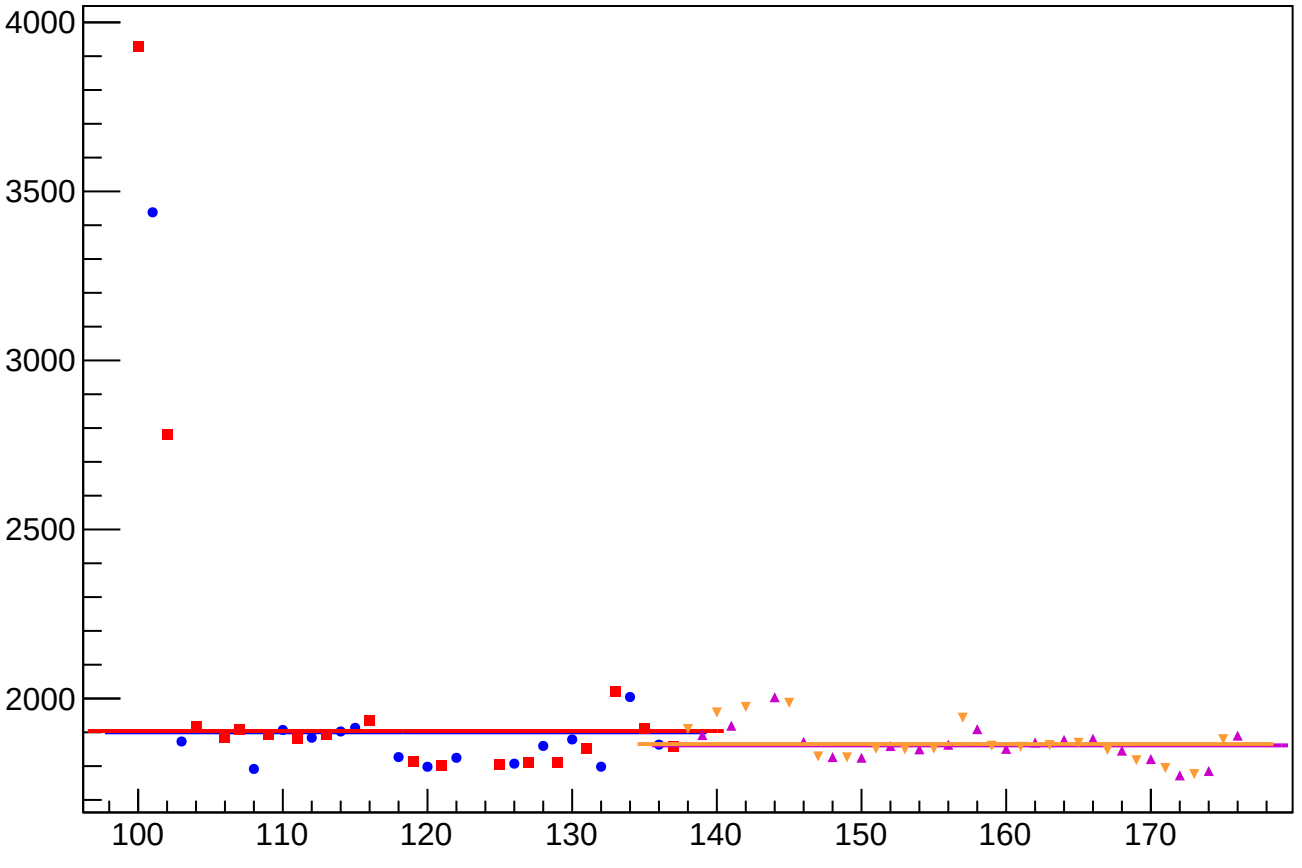
Left: 3864.299+/-337.015 χ^2/NDF: 52.3/37

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4797.969+/-393.986 χ^2/NDF:36.2/34

Out: 3299.923+/-399.756 χ^2/NDF:36.1/36

All: 4059.836+/-280.608 χ^2/NDF: 79.4/71



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1865.237+/-0.340 χ^2/NDF:25767.9/18

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1861.375+/-0.334 χ^2/NDF:22383.7/18

Left: 1863.271+/-0.238 χ^2/NDF: 48217.3/37

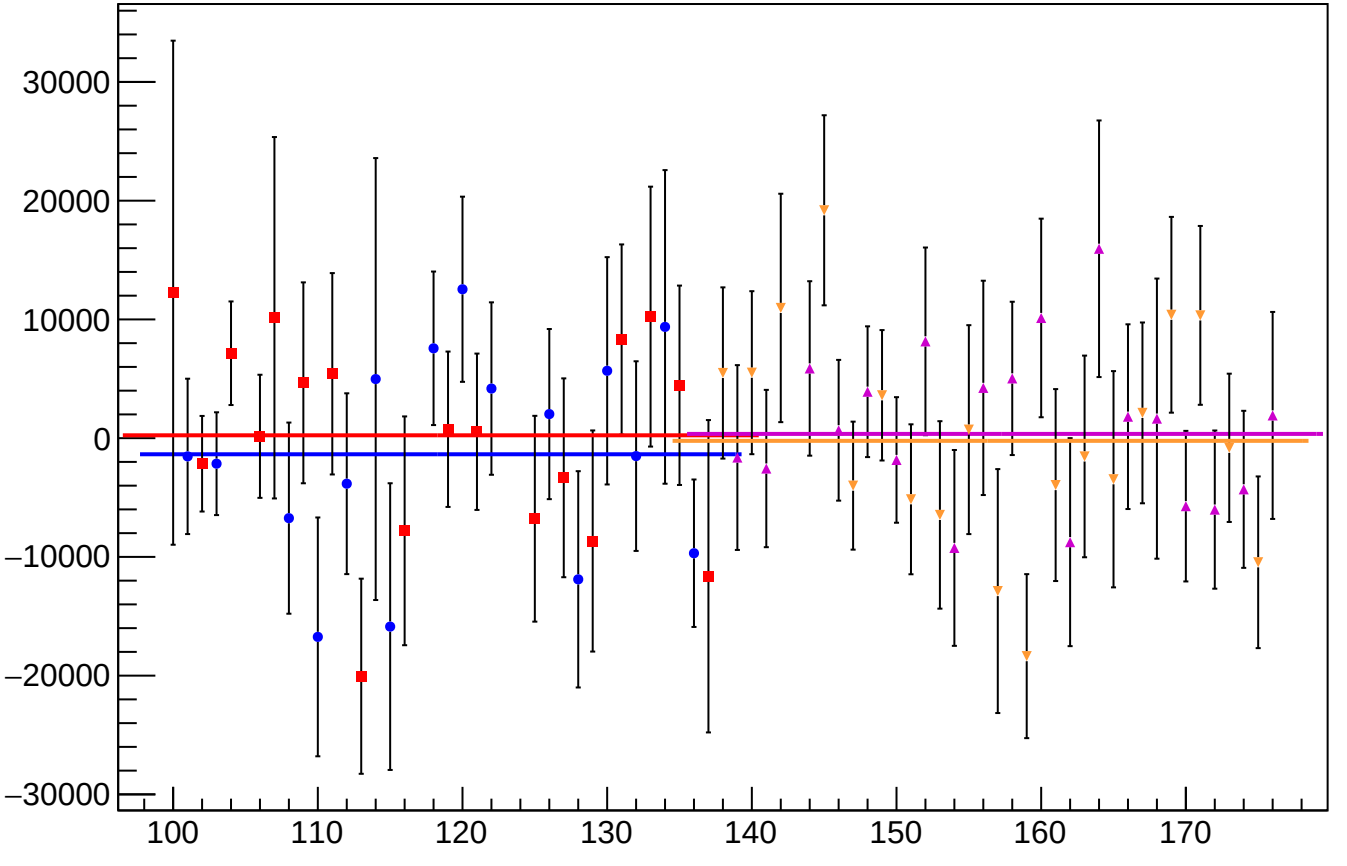
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1873.167+/-0.279 χ^2/NDF:304925.9/34

Out: 1877.183+/-0.283 χ^2/NDF:179870.0/36

All: 1875.147+/-0.198 χ^2/NDF: 484898.3/71

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: -226.438+/-1679.389 χ^2/NDF:25.3/18

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 358.078+/-1655.030 χ^2/NDF:11.4/18

Left: 70.089+/-1178.801 χ^2/NDF: 36.7/37

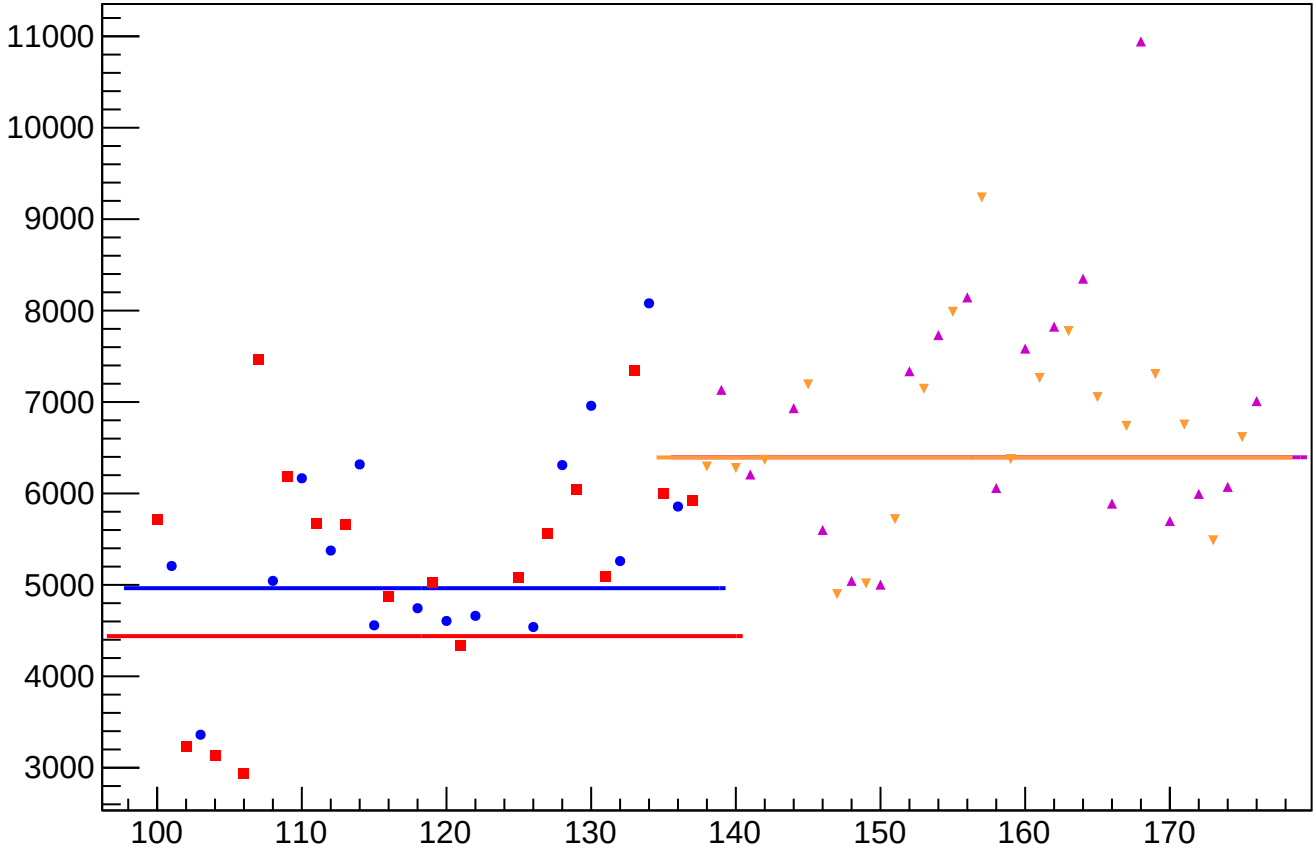
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -383.449+/-1246.827 χ^2/NDF:26.6/34

Out: 2.769+/-1199.105 χ^2/NDF:41.1/36

All: -182.808+/-864.274 χ^2/NDF: 67.7/71

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: 6393.881+/-1.188 χ^2/NDF:724360.9/18

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6395.652+/-1.170 χ^2/NDF:997953.3/18

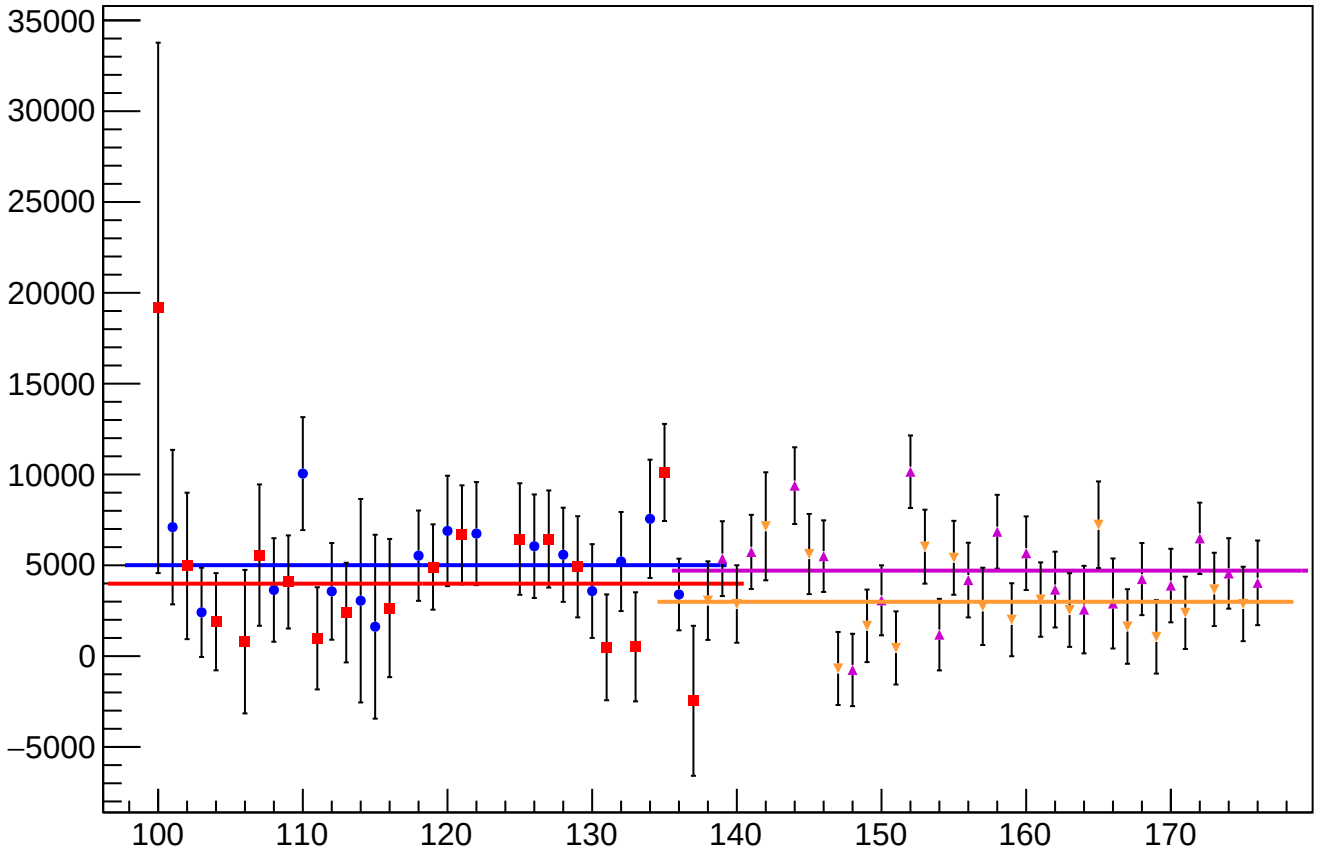
Left: 6394.779+/-0.834 χ^2/NDF: 1722315.3/37

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5776.527+/-0.882 χ^2/NDF:2272524.4/34

Out: 5435.956+/-0.848 χ^2/NDF:3210354.8/36

All: 5599.599+/-0.611 χ^2/NDF: 5560400.6/71



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2991.542+/-480.937 χ^2/NDF:17.4/18

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4706.347+/-472.402 χ^2/NDF:28.4/18

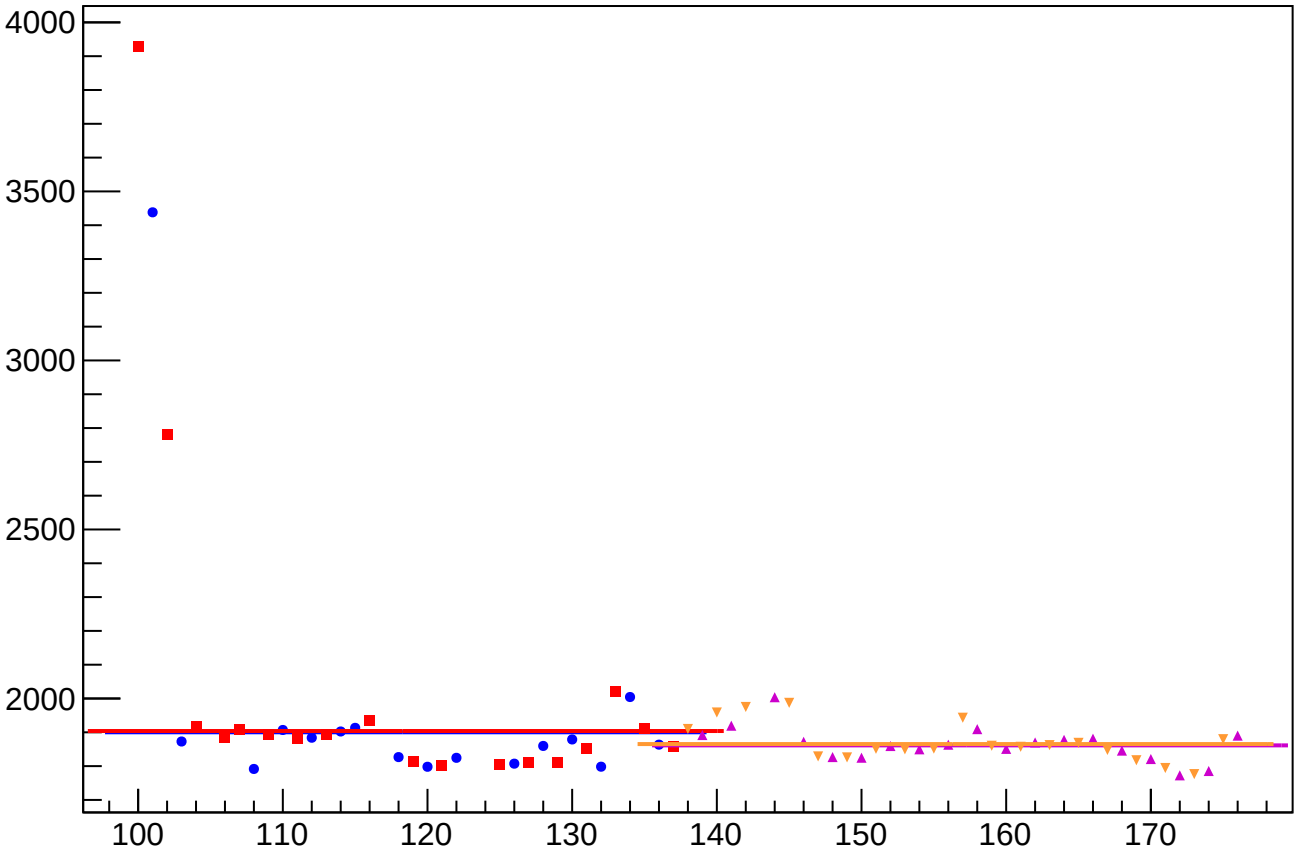
Left: 3864.297+/-337.016 χ^2/NDF: 52.3/37

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4797.971+/-393.986 χ^2/NDF:36.2/34

Out: 3299.919+/-399.756 χ^2/NDF:36.1/36

All: 4059.834+/-280.608 χ^2/NDF: 79.4/71



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1865.238+/-0.340 χ^2/NDF:25768.7/18

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1861.376+/-0.334 χ^2/NDF:22384.4/18

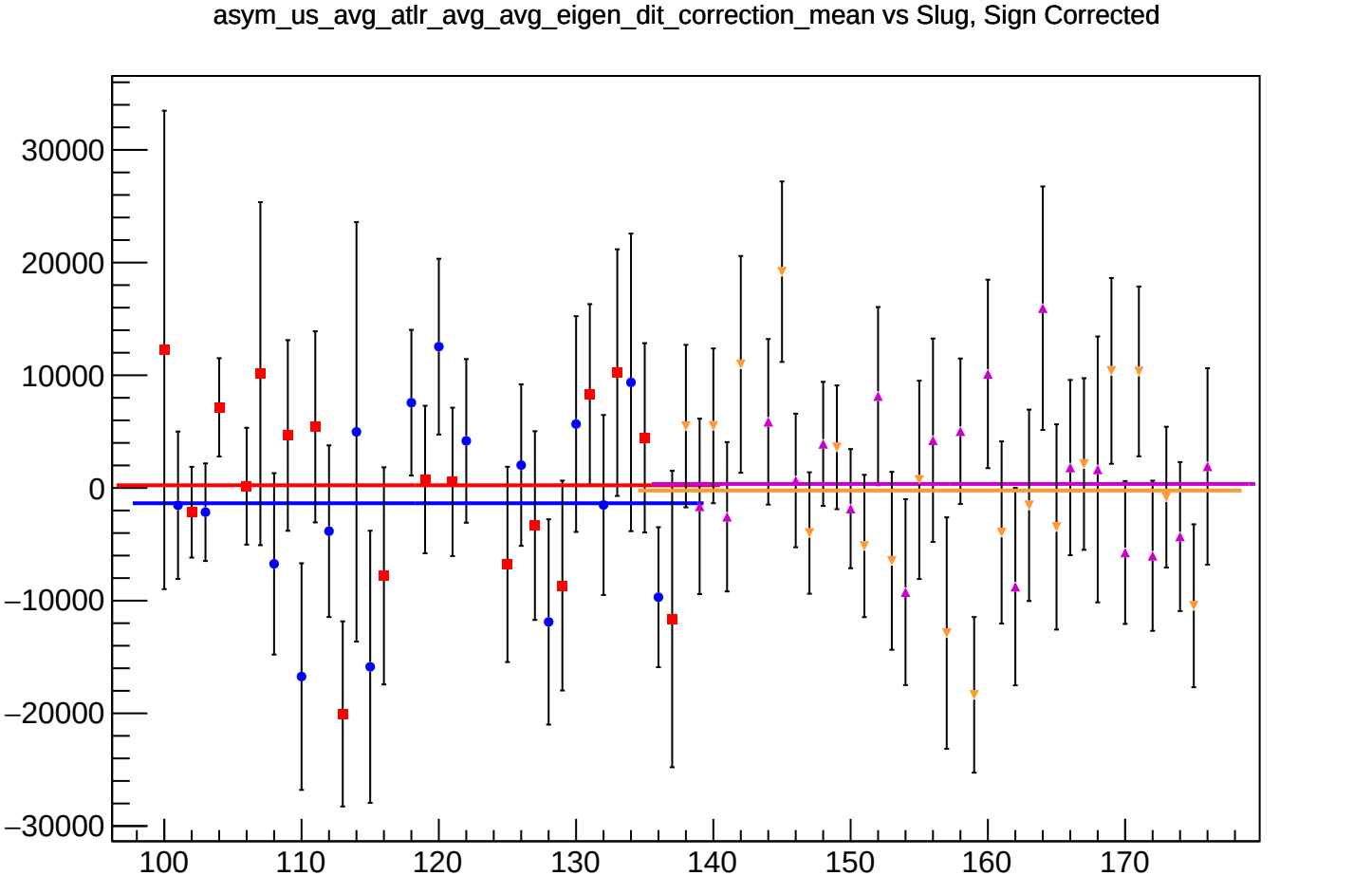
Left: 1863.272+/-0.238 χ^2/NDF: 48218.7/37

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

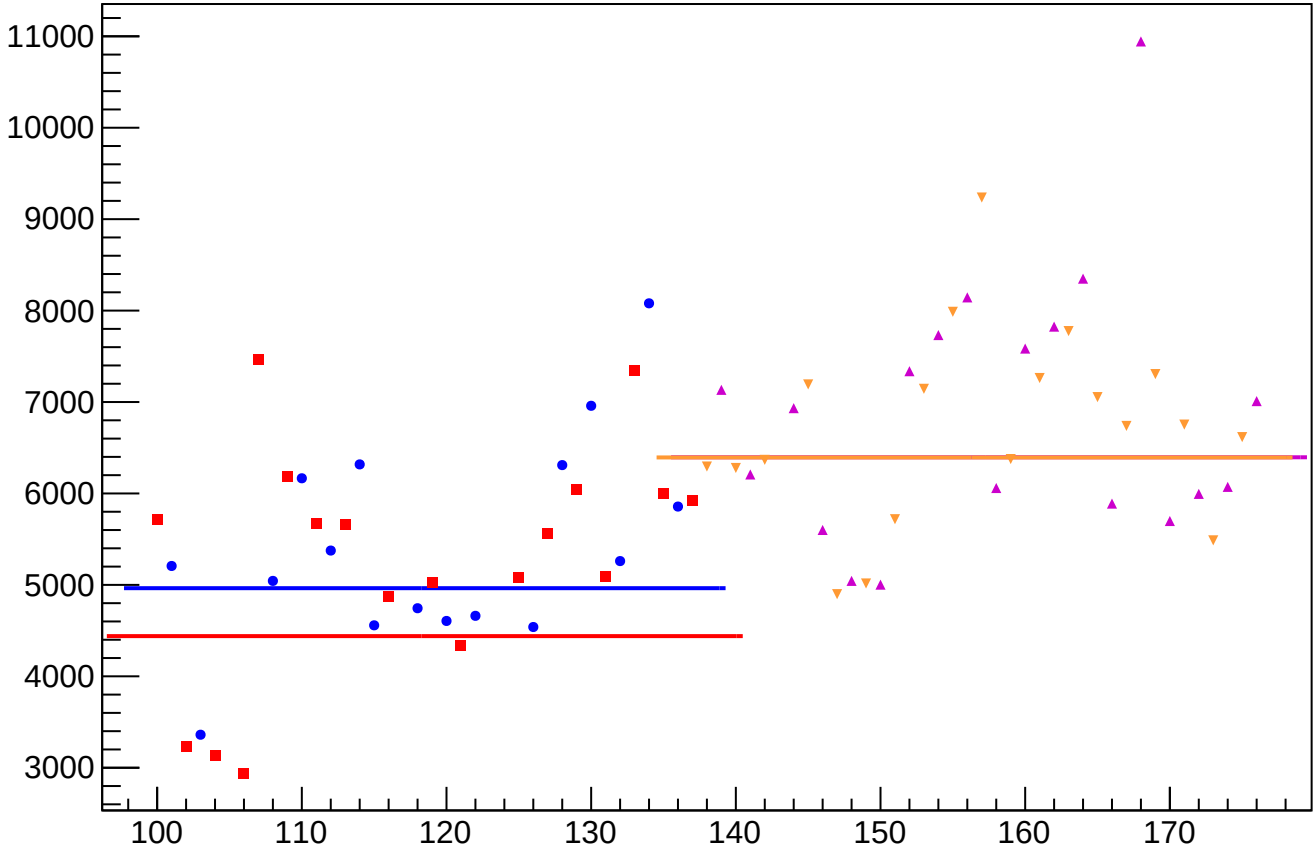
In: 1873.168+/-0.279 χ^2/NDF:304926.5/34

Out: 1877.184+/-0.283 χ^2/NDF:179869.7/36

All: 1875.147+/-0.198 χ^2/NDF: 484898.6/71


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -226.444+/-1679.392 χ²/NDF:25.3/18
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 358.078+/-1655.033 χ²/NDF:11.4/18
Left: 70.087+/-1178.803 χ²/NDF: 36.7/37
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -383.448+/-1246.827 χ²/NDF:26.6/34
Out: 2.767+/-1199.104 χ²/NDF:41.1/36
All: -182.808+/-864.274 χ²/NDF: 67.7/71

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: 6393.891+/-1.188 χ^2/NDF:724362.4/18

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6395.662+/-1.170 χ^2/NDF:997954.9/18

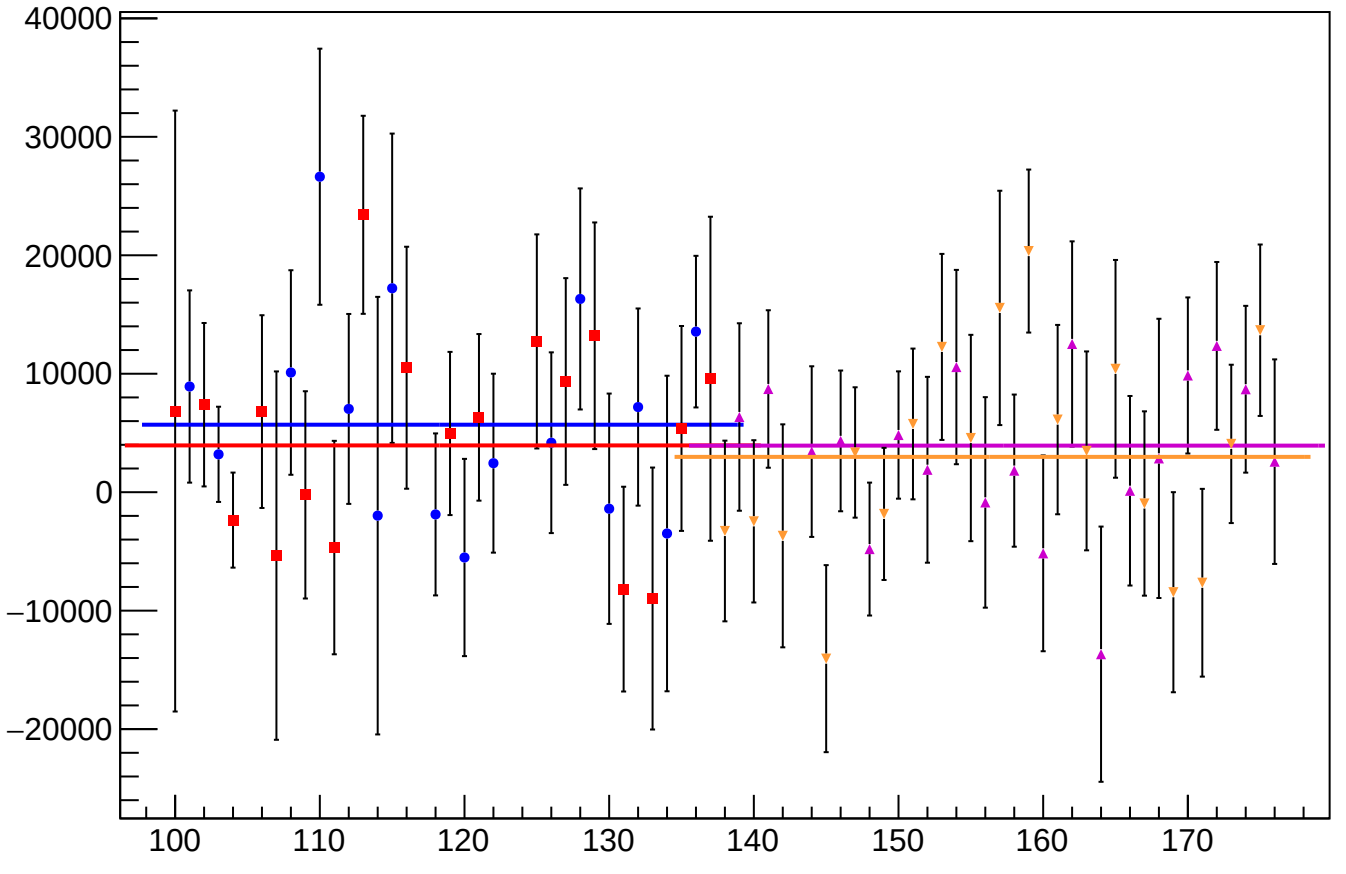
Left: 6394.790+/-0.834 χ^2/NDF: 1722318.4/37

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5776.524+/-0.882 χ^2/NDF:2272550.4/34

Out: 5435.951+/-0.848 χ^2/NDF:3210386.8/36

All: 5599.595+/-0.611 χ^2/NDF: 5560459.4/71



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2981.259+/-1699.843 χ^2/NDF:23.7/18

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3931.428+/-1674.595 χ^2/NDF:12.0/18

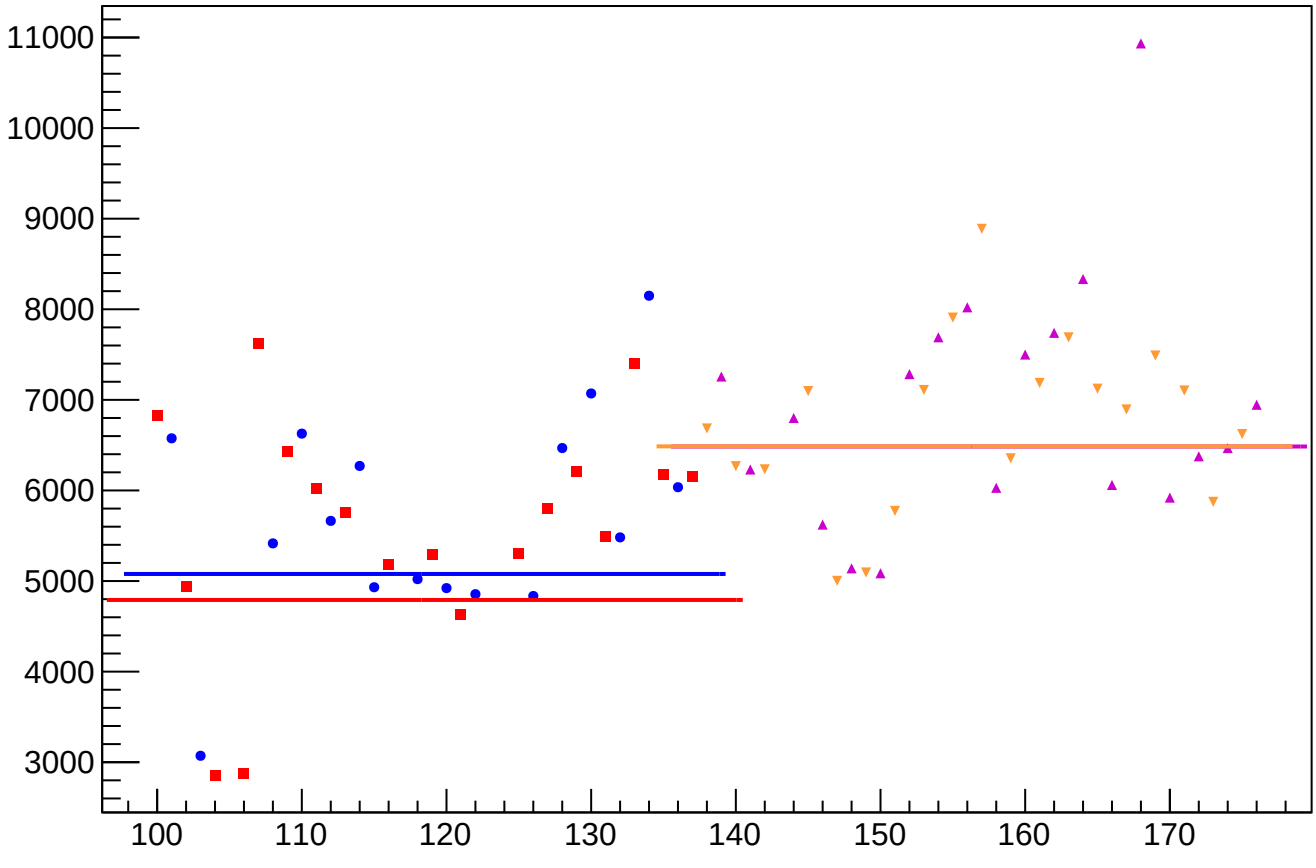
Left: 3463.452+/-1192.944 χ^2/NDF: 35.9/37

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4676.860+/-1272.965 χ^2/NDF:25.1/34

Out: 3406.517+/-1272.892 χ^2/NDF:40.0/36

All: 4041.652+/-900.096 χ^2/NDF: 65.6/71



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6486.620+/-1.202 χ^2/NDF:625775.3/18

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6485.074+/-1.184 χ^2/NDF:894822.2/18

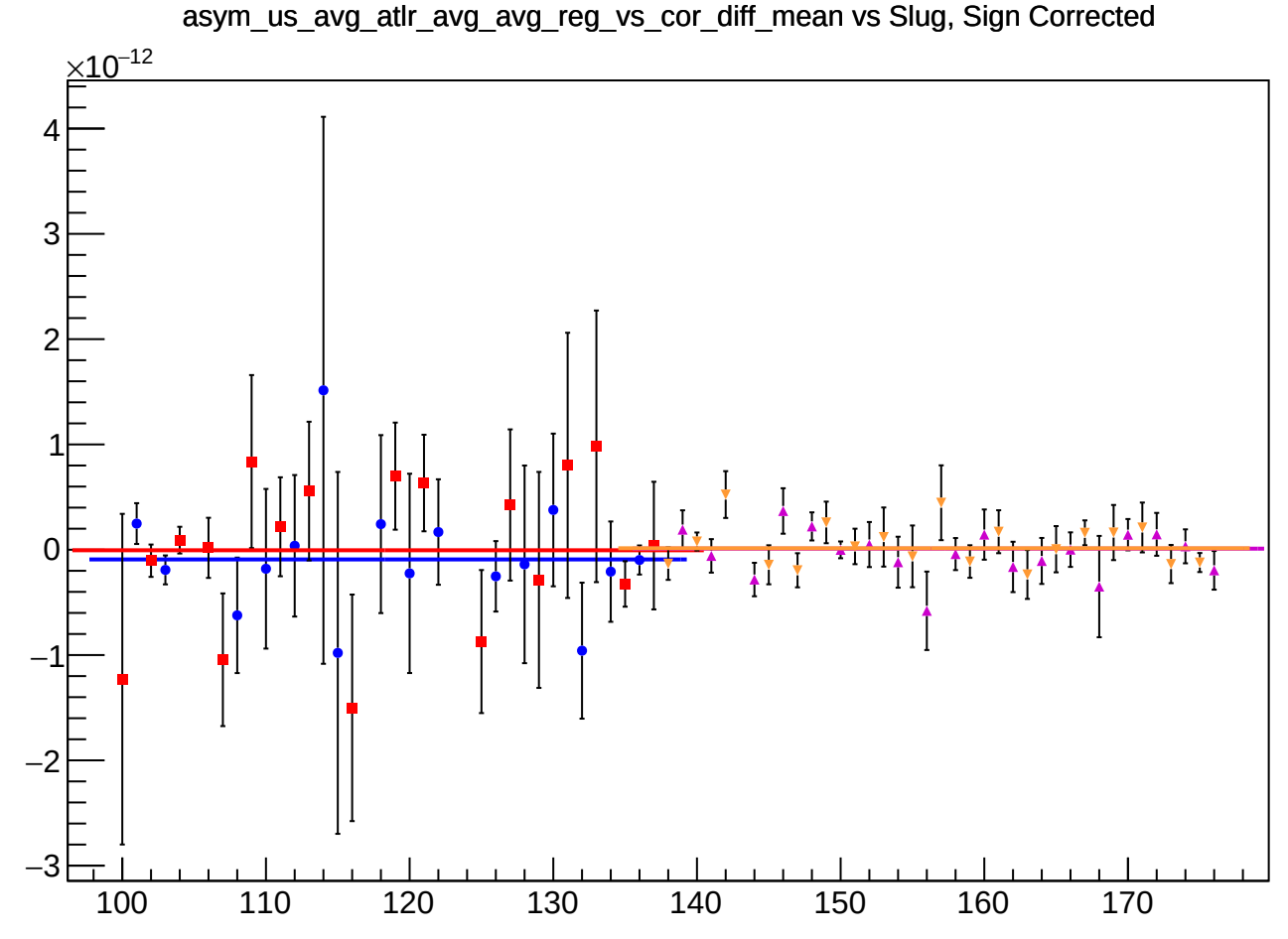
Left: 6485.835+/-0.844 χ^2/NDF: 1520598.3/37

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5891.129+/-0.900 χ^2/NDF:2410002.1/34

Out: 5724.844+/-0.892 χ^2/NDF:2682211.9/36

All: 5807.231+/-0.634 χ^2/NDF: 5109432.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:17.0/18

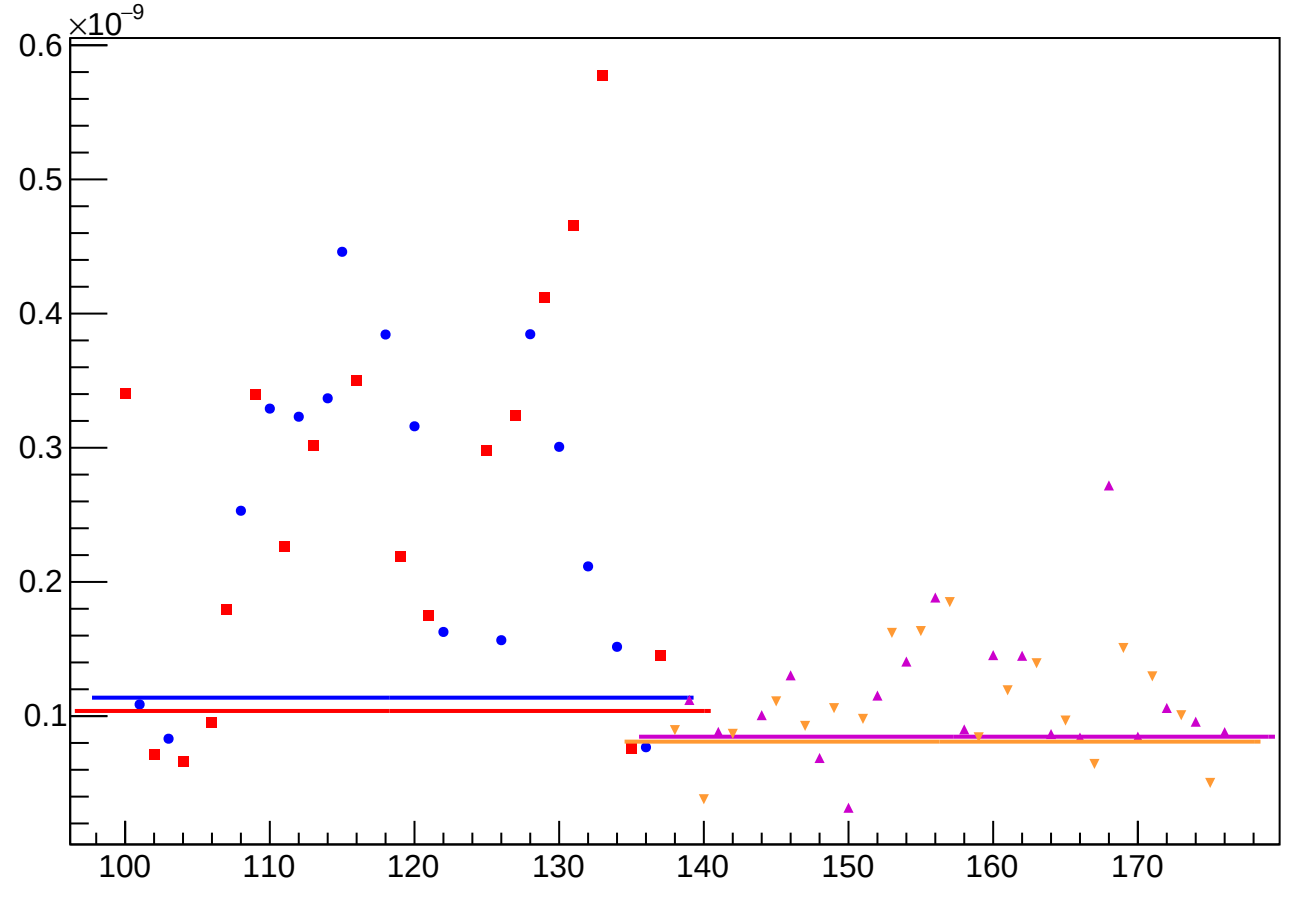
Left: 0.000+/-0.000 χ^2/NDF: 37.3/37

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:26.6/34

Out: 0.000+/-0.000 χ^2/NDF:37.7/36

All: 0.000+/-0.000 χ^2/NDF: 64.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849225.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1962017.5/18

Left: 0.000+/-0.000 χ^2/NDF: 3820590.2/37

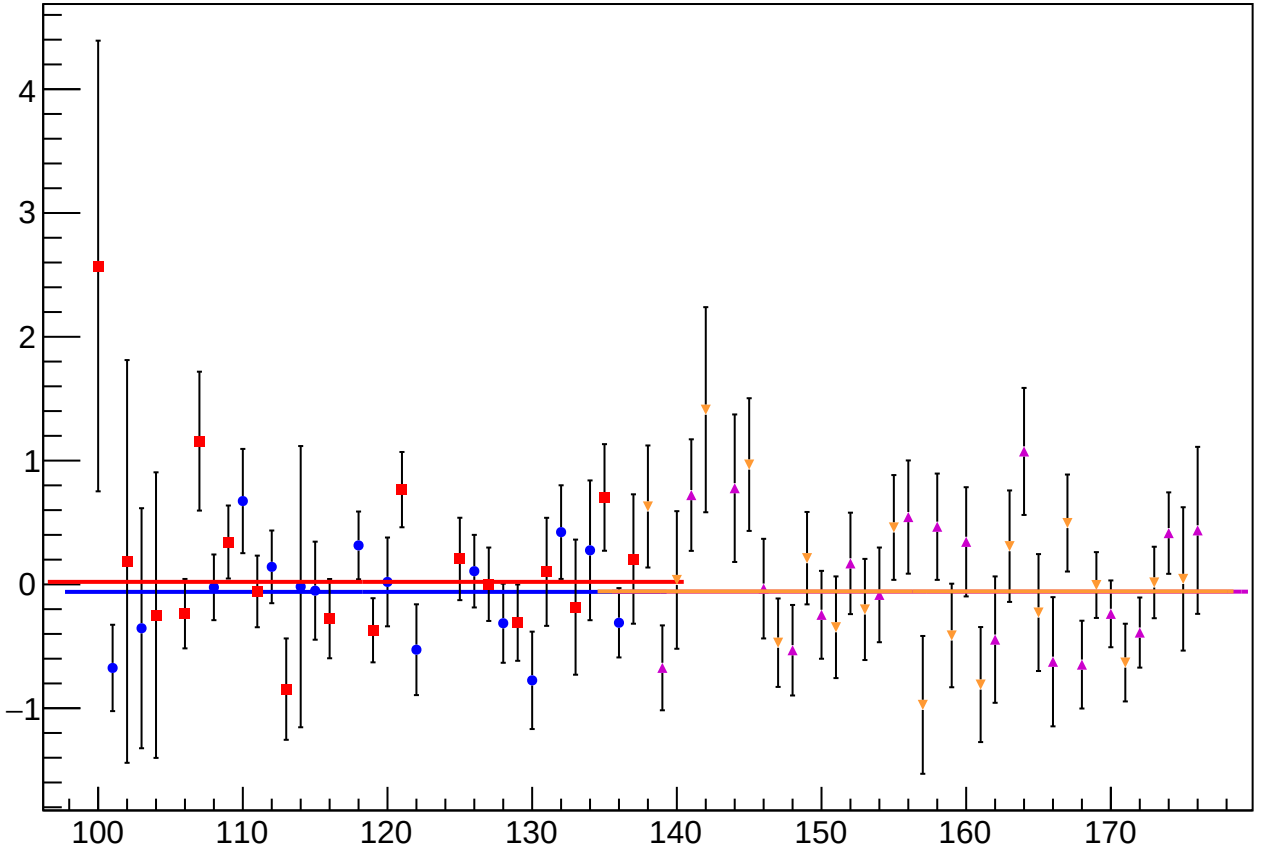
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3710973.1/34

Out: 0.000+/-0.000 χ^2/NDF:4079067.4/36

All: 0.000+/-0.000 χ^2/NDF: 7812593.3/71

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: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.058+/-0.065 χ^2/NDF: 53.4/37

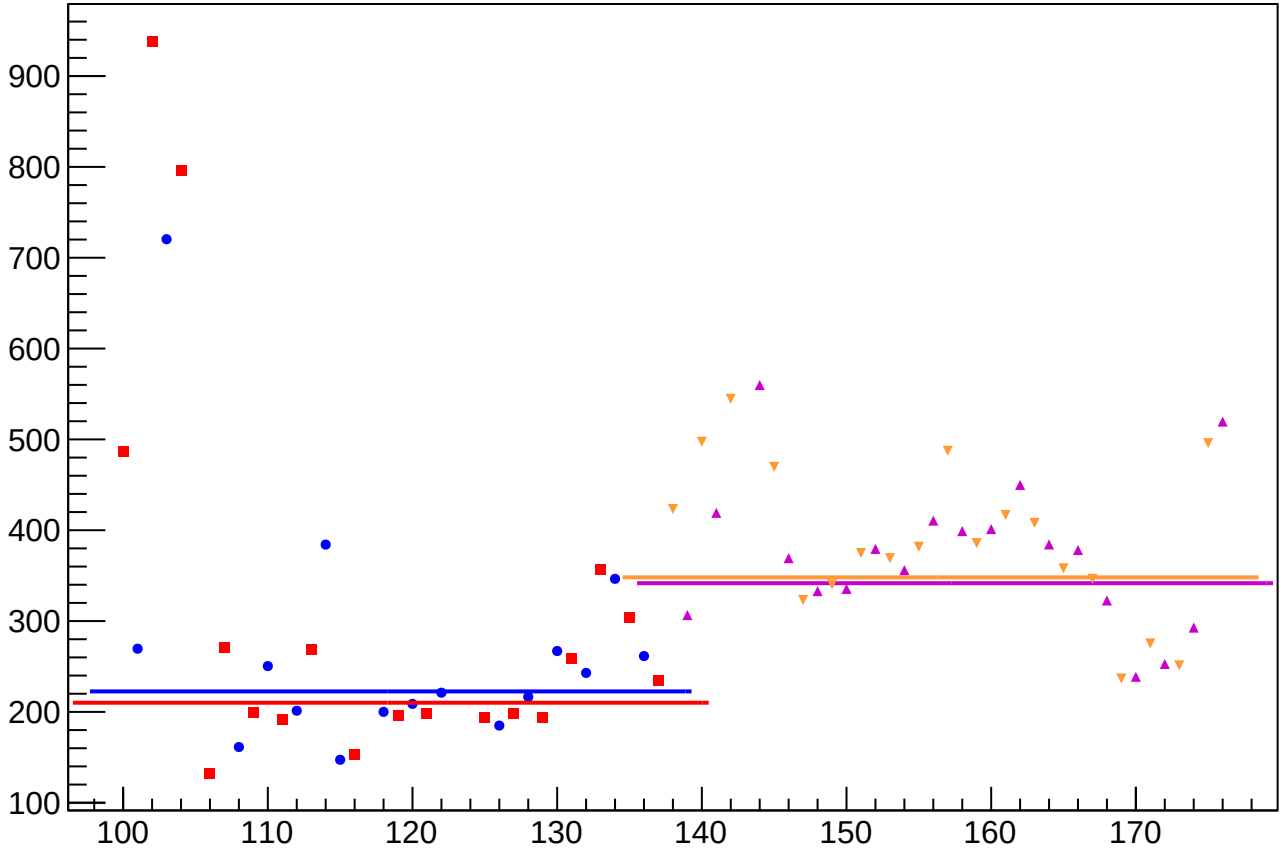
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.038+/-0.045 χ^2/NDF: 97.4/71

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: 348.116+/-0.066 χ^2/NDF:1479424.2/18

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

Left: 344.785+/-0.046 χ^2/NDF: 2772404.6/37

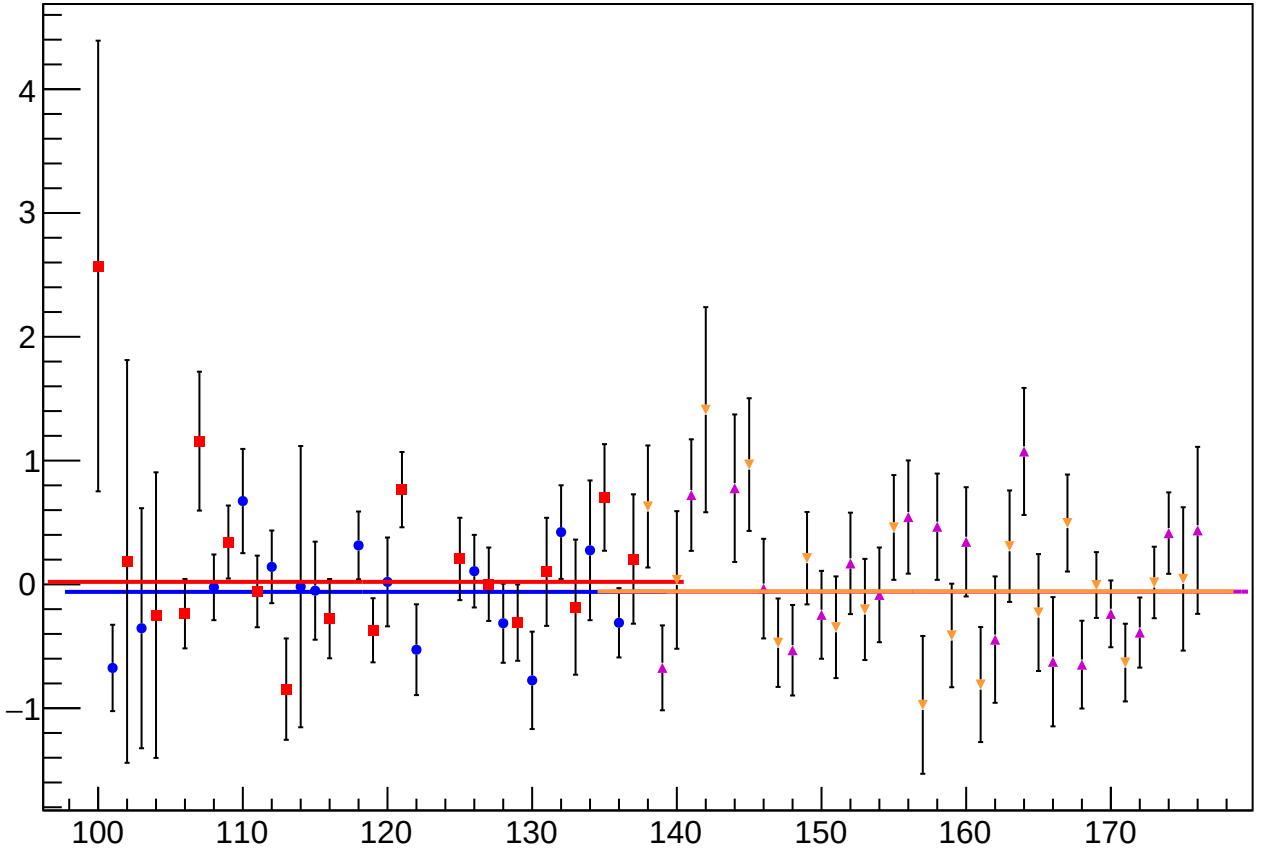
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 281.106+/-0.045 χ^2/NDF:4081387.1/34

Out: 274.261+/-0.045 χ^2/NDF:5343700.9/36

All: 277.723+/-0.032 χ^2/NDF: 9436672.0/71

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: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.058+/-0.065 χ^2/NDF: 53.4/37

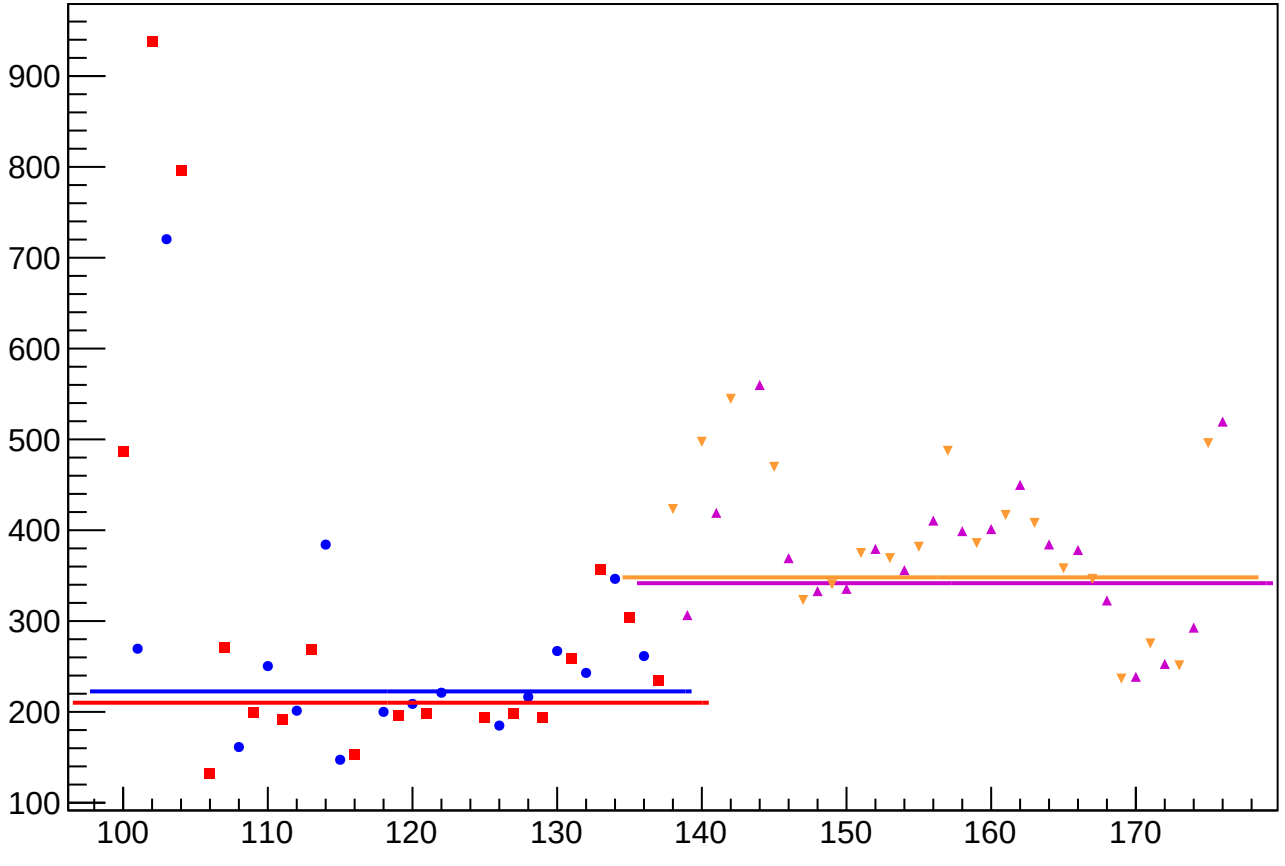
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.038+/-0.045 χ^2/NDF: 97.4/71

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: 348.116+/-0.066 χ^2/NDF:1479424.2/18

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

Left: 344.785+/-0.046 χ^2/NDF: 2772404.6/37

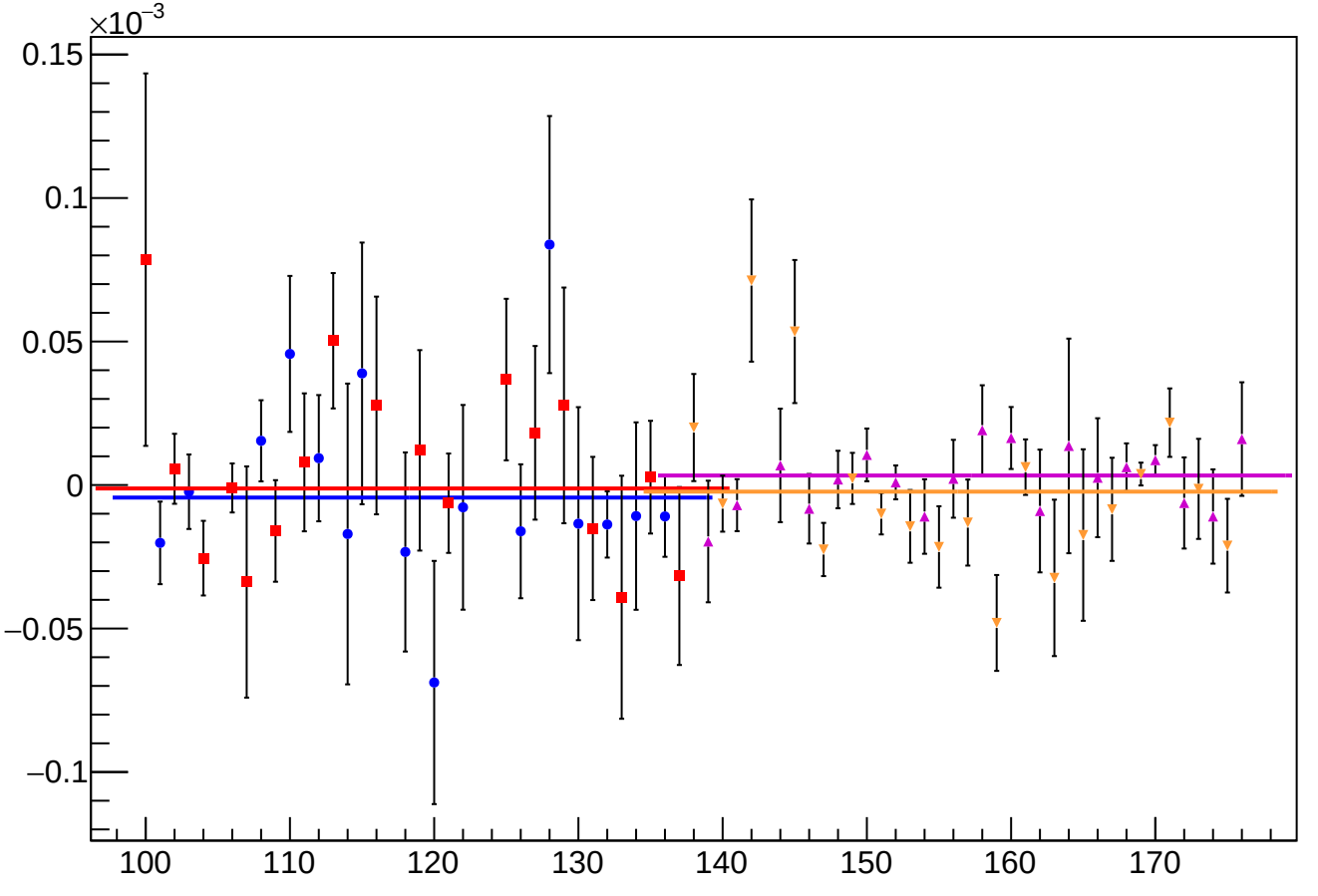
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 281.106+/-0.045 χ^2/NDF:4081387.1/34

Out: 274.261+/-0.045 χ^2/NDF:5343700.9/36

All: 277.723+/-0.032 χ^2/NDF: 9436672.0/71

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/18

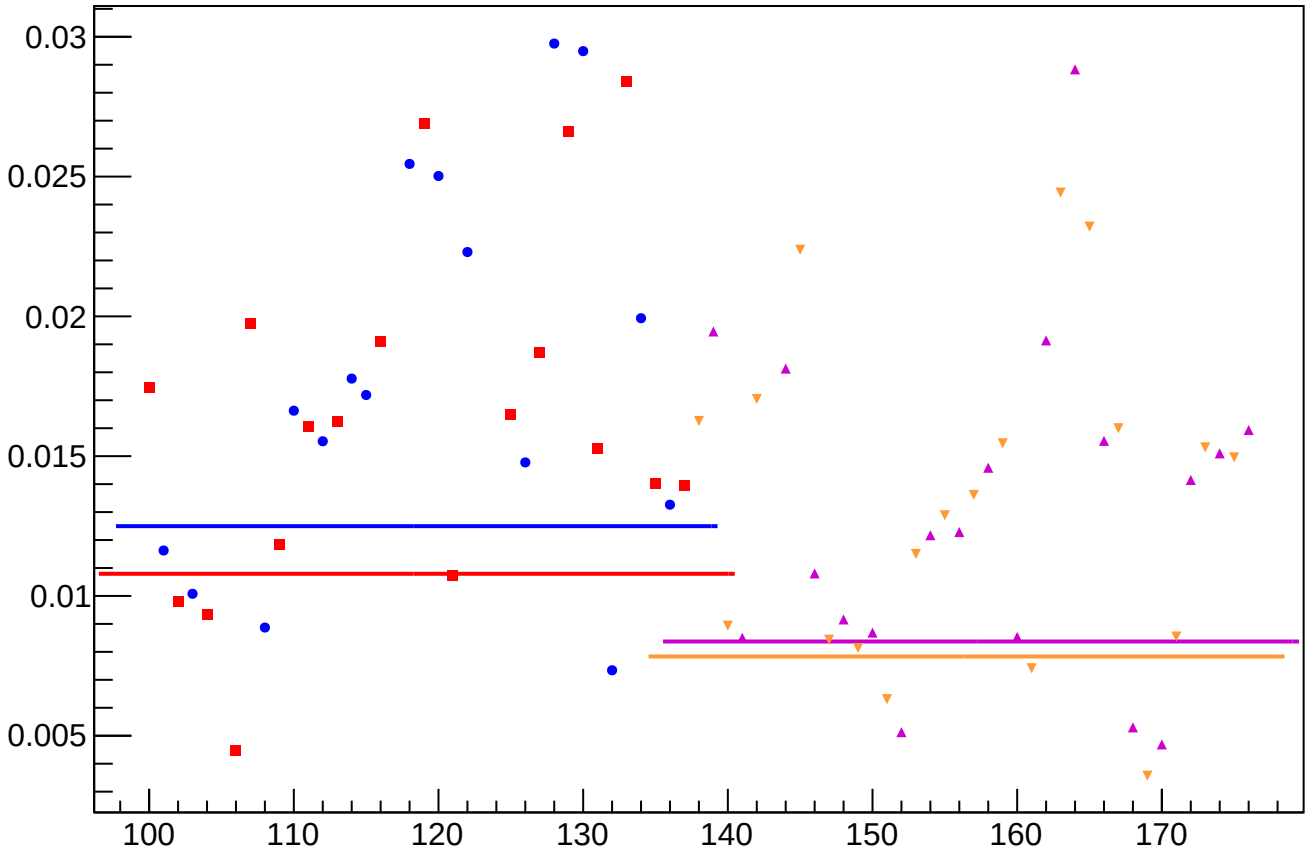
Left: 0.000+/-0.000 χ^2/NDF: 54.1/37

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:28.5/34

Out: -0.000+/-0.000 χ^2/NDF:57.7/36

All: -0.000+/-0.000 χ^2/NDF: 87.9/71



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7305444.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5893053.0/18

Left: 0.008+/-0.000 χ^2/NDF: 13246864.3/37

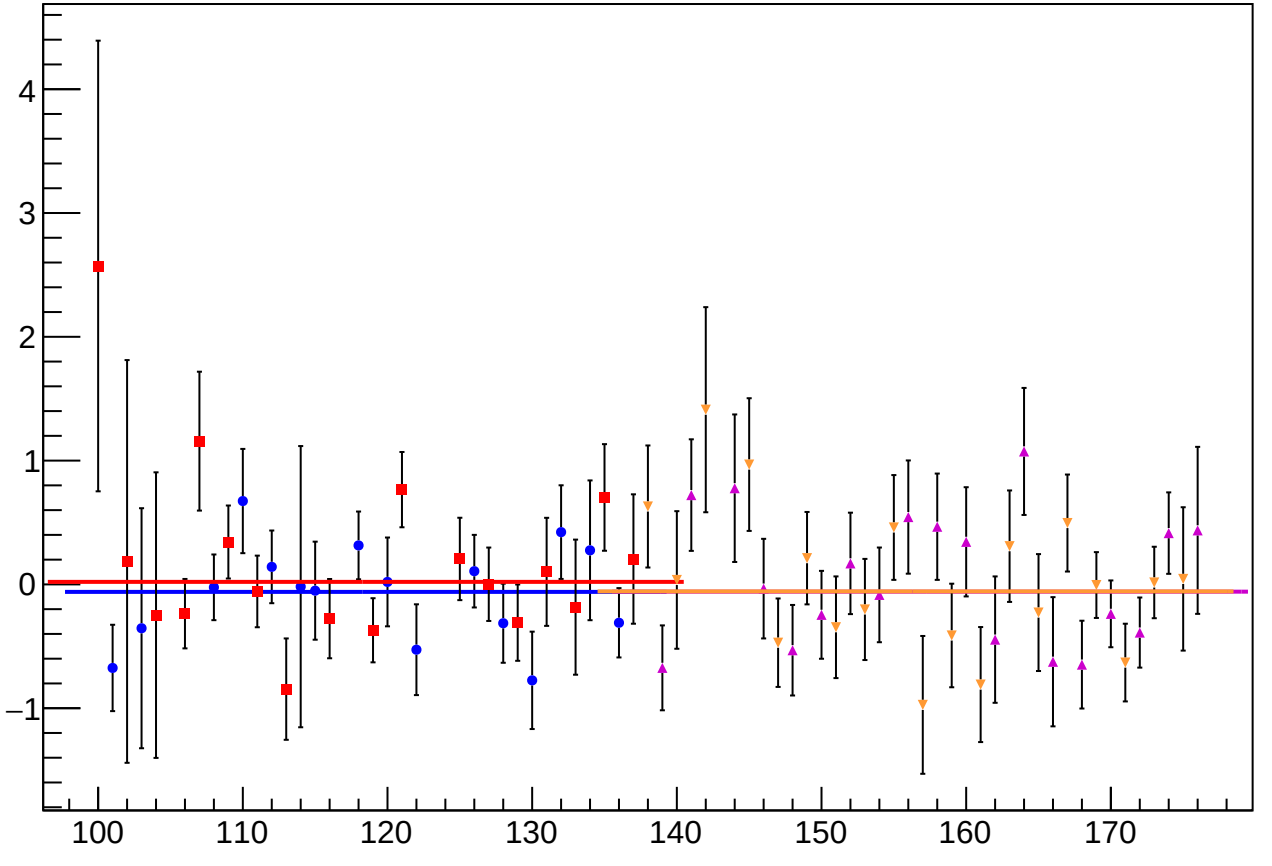
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9074093.2/34

Out: 0.008+/-0.000 χ^2/NDF:10945415.2/36

All: 0.009+/-0.000 χ^2/NDF: 20117268.5/71

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: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.058+/-0.065 χ^2/NDF: 53.4/37

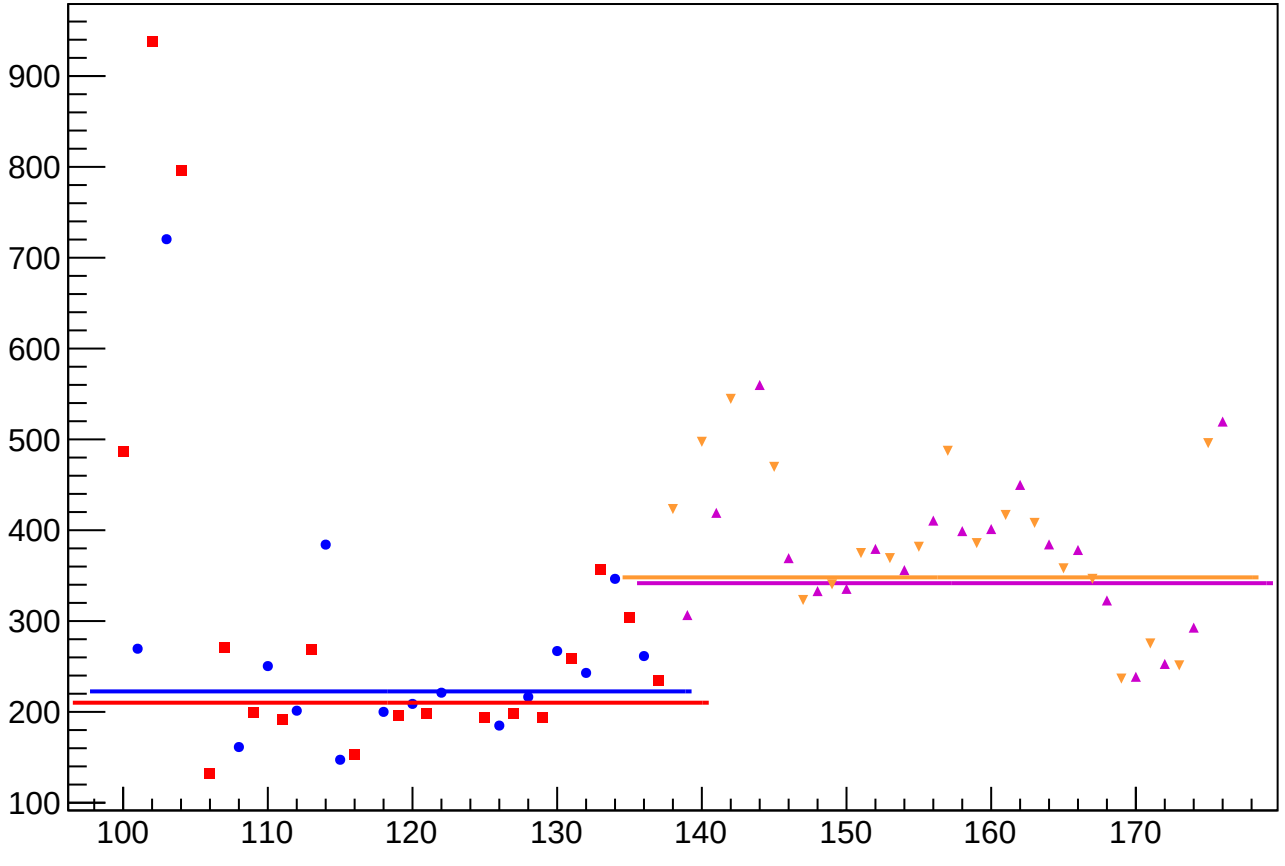
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.038+/-0.045 χ^2/NDF: 97.4/71

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: 348.116+/-0.066 χ^2/NDF:1479589.6/18

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

Left: 344.786+/-0.046 χ^2/NDF: 2772703.4/37

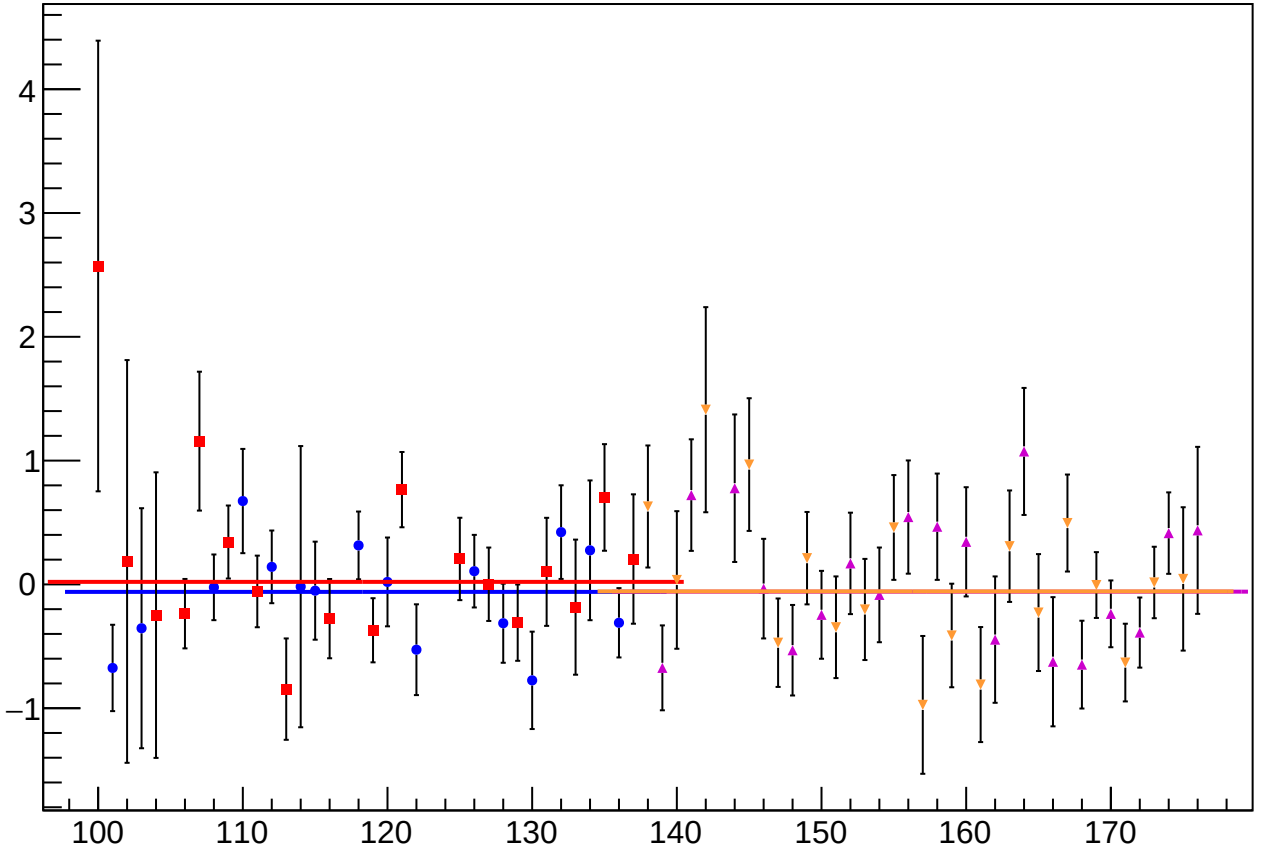
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 281.105+/-0.045 χ^2/NDF:4081603.7/34

Out: 274.259+/-0.045 χ^2/NDF:5343955.0/36

All: 277.721+/-0.032 χ^2/NDF: 9437147.4/71

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: -0.056+/-0.094 χ^2/NDF:25.1/18

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.058+/-0.065 χ^2/NDF: 53.4/37

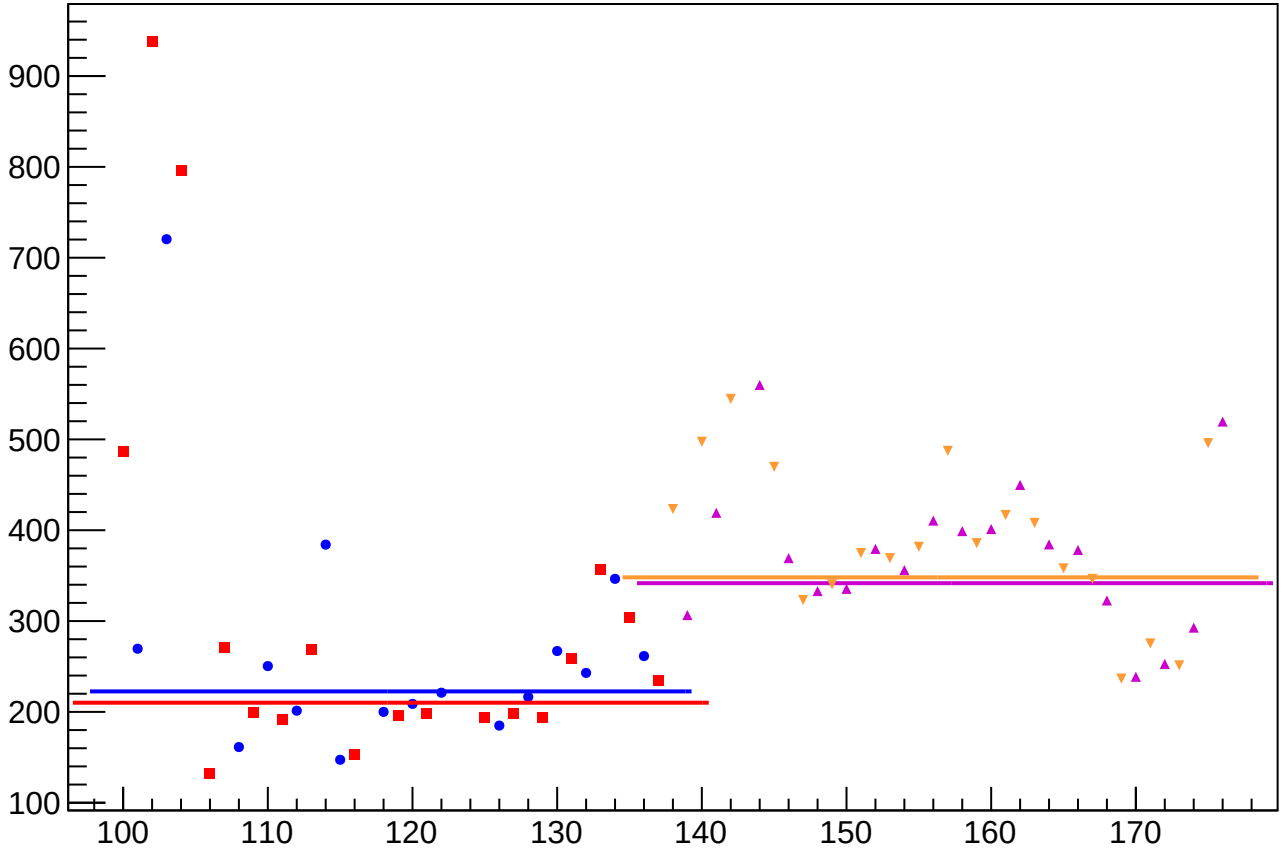
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.015+/-0.064 χ^2/NDF:51.5/36

All: -0.038+/-0.045 χ^2/NDF: 97.4/71

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: 348.116+/-0.066 χ^2/NDF:1479589.6/18

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

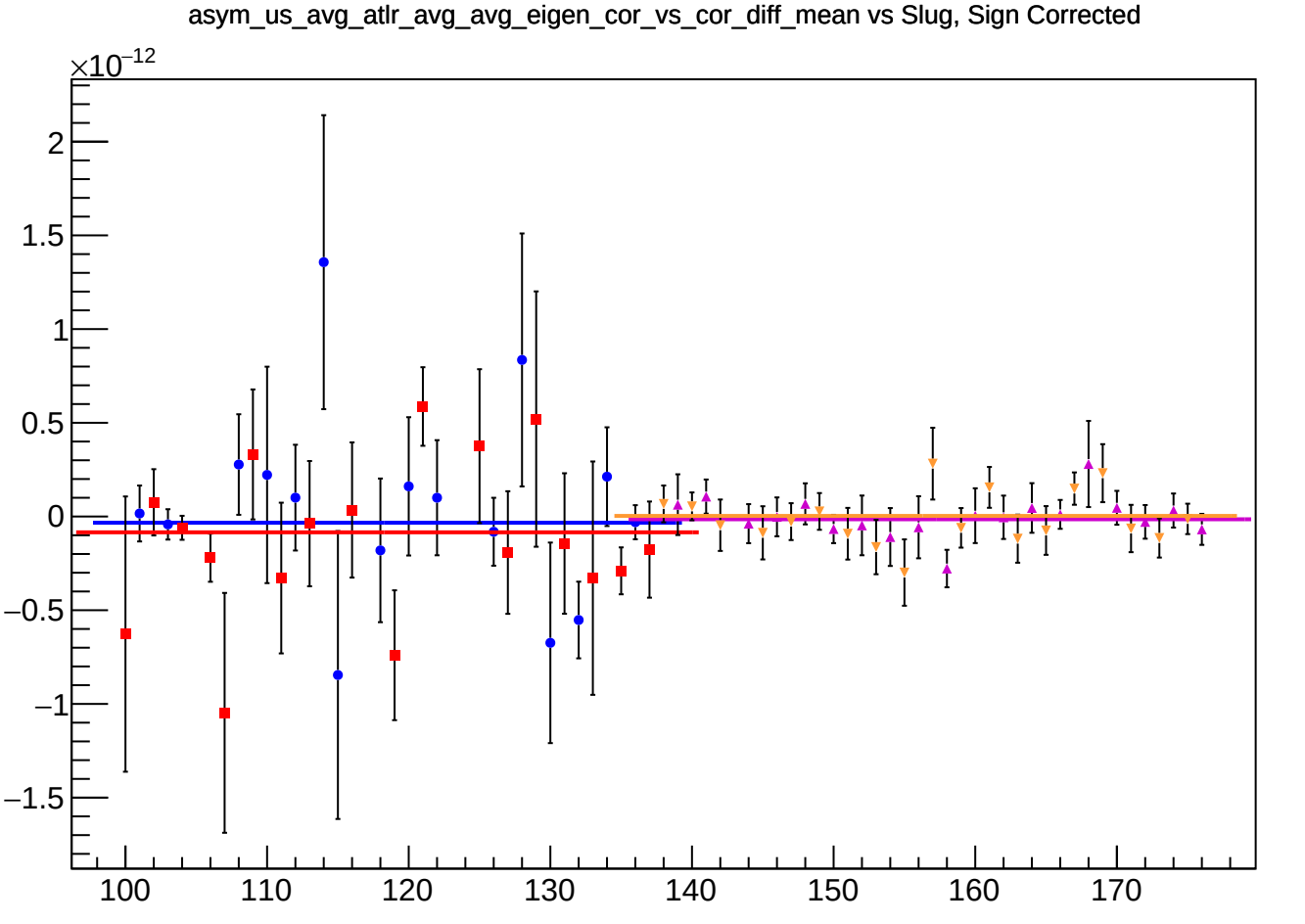
Left: 344.786+/-0.046 χ^2/NDF: 2772703.4/37

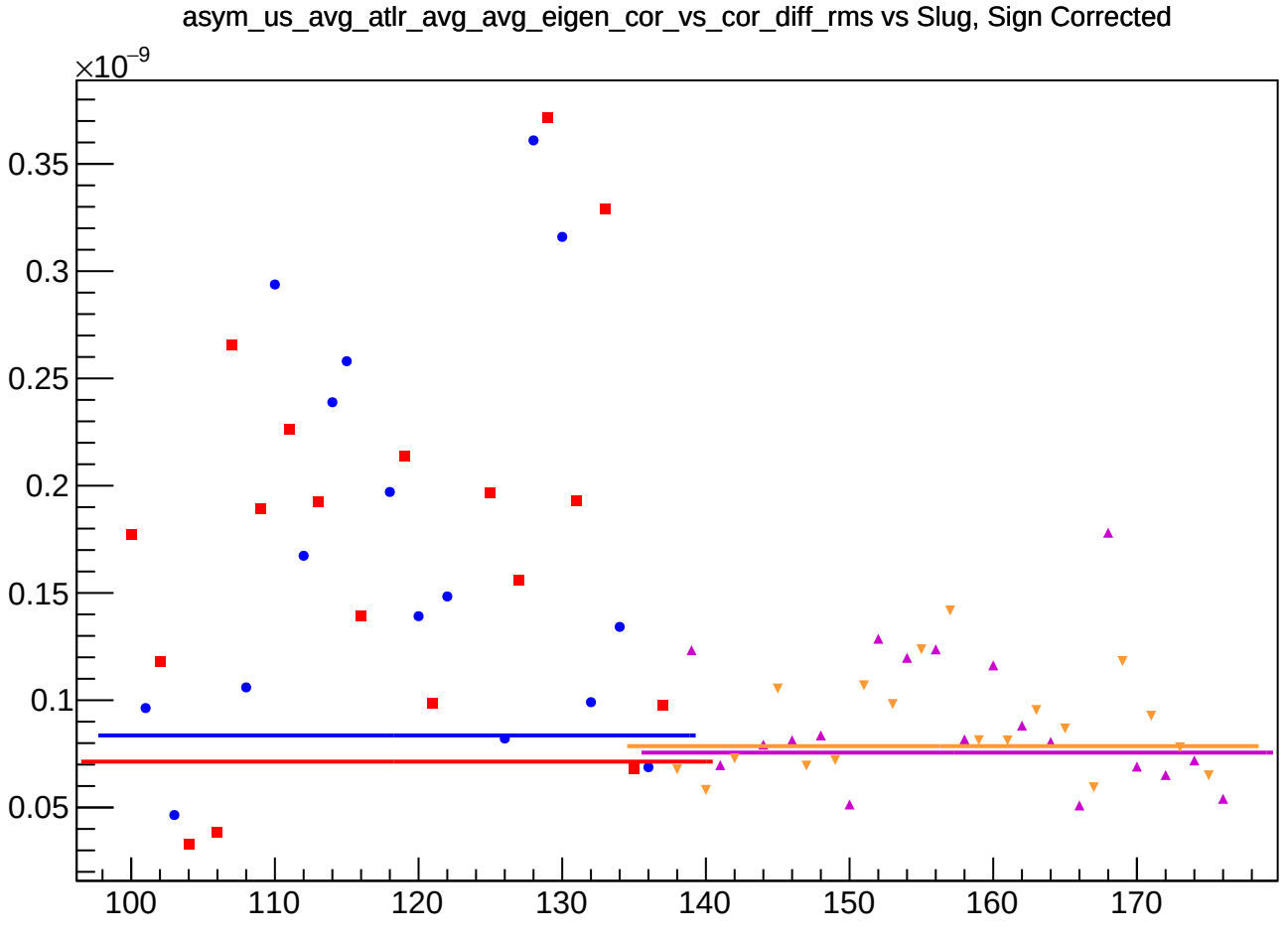
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 281.105+/-0.045 χ^2/NDF:4081603.7/34

Out: 274.259+/-0.045 χ^2/NDF:5343955.0/36

All: 277.721+/-0.032 χ^2/NDF: 9437147.4/71


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:18.6/18
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:13.7/18
Left: -0.000+/-0.000 χ²/NDF: 32.5/37
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:31.0/34
Out: -0.000+/-0.000 χ²/NDF:47.4/36
All: -0.000+/-0.000 χ²/NDF: 78.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1101795.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1927381.8/18

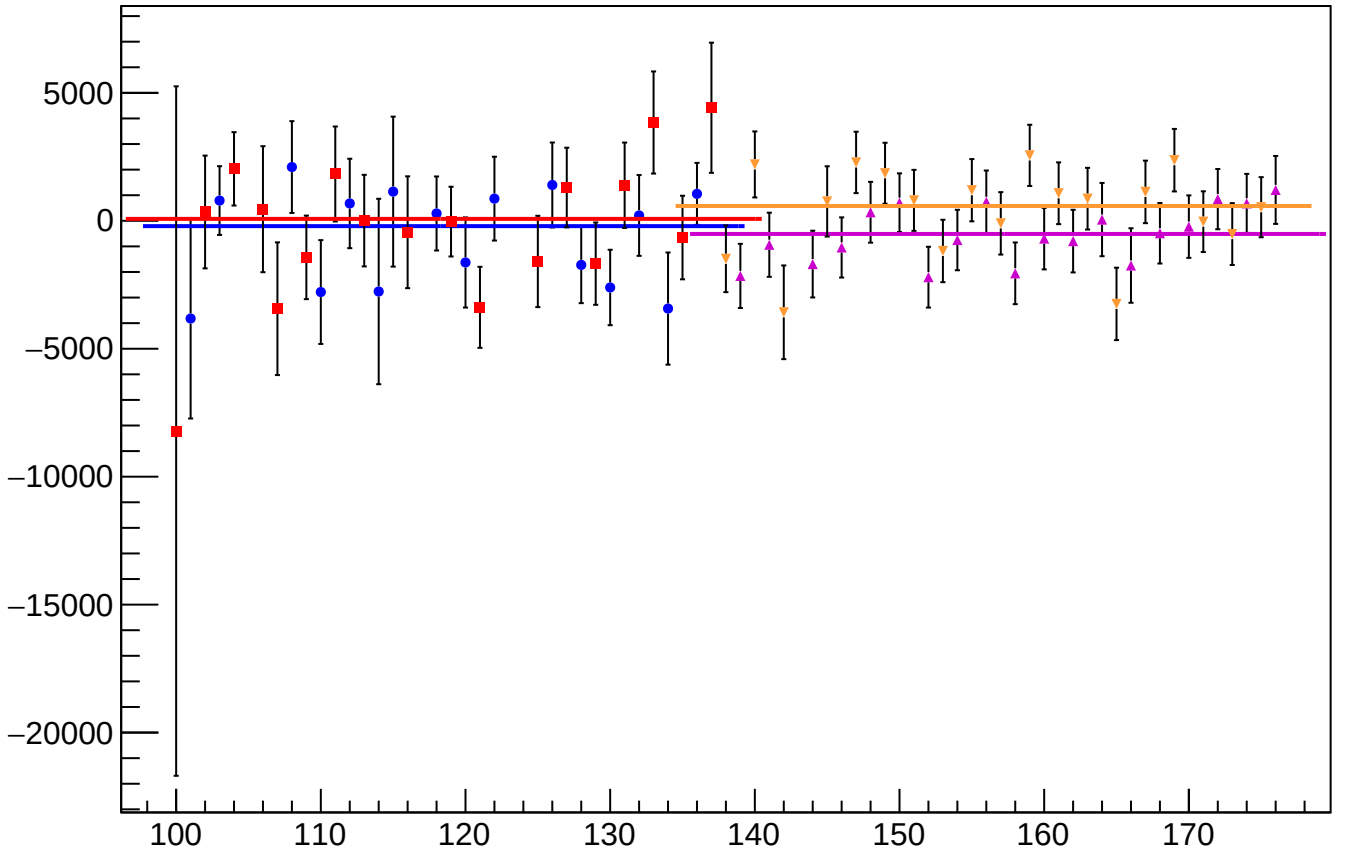
Left: 0.000+/-0.000 χ^2/NDF: 3043875.4/37

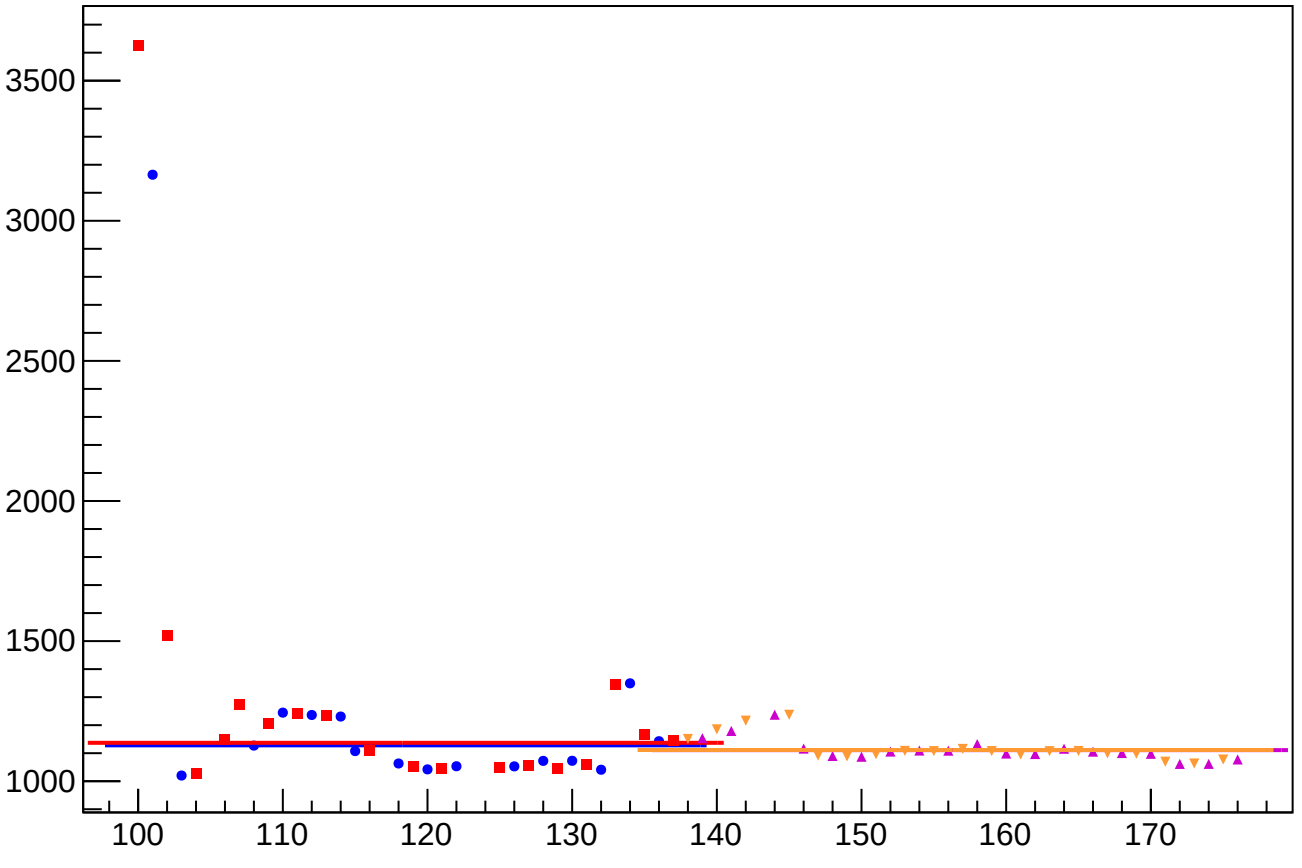
Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:4208546.6/34

Out: 0.000+/-0.000 χ^2/NDF:4886797.2/36

All: 0.000+/-0.000 χ^2/NDF: 9095788.3/71


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: 578.208+/-286.595 χ²/NDF:28.8/18
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -513.674+/-281.992 χ²/NDF:14.3/18
Left: 23.429+/-201.006 χ²/NDF: 50.5/37
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -421.597+/-235.668 χ²/NDF:29.4/34
Out: 423.996+/-238.609 χ²/NDF:50.4/36
All: -4.043+/-167.673 χ²/NDF: 86.2/71



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

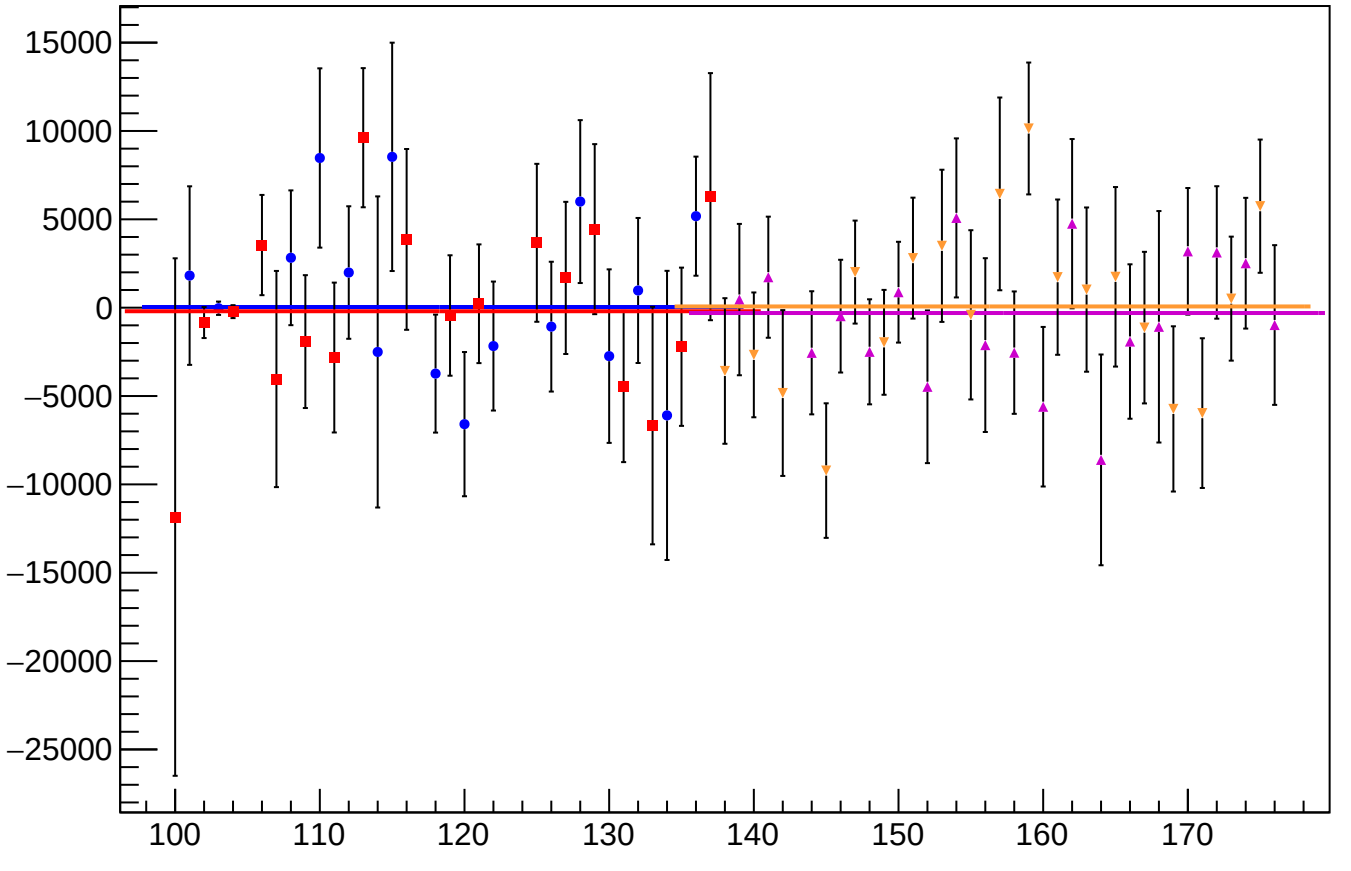
Left: 1111.153+/-0.142 χ^2/NDF: 79949.5/37

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1116.091+/-0.167 χ^2/NDF:662080.9/34

Out: 1119.265+/-0.169 χ^2/NDF:266491.9/36

All: 1117.659+/-0.119 χ^2/NDF: 928752.1/71



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 68.839+/-906.296 χ^2/NDF:25.5/18

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -302.206+/-893.826 χ^2/NDF:11.4/18

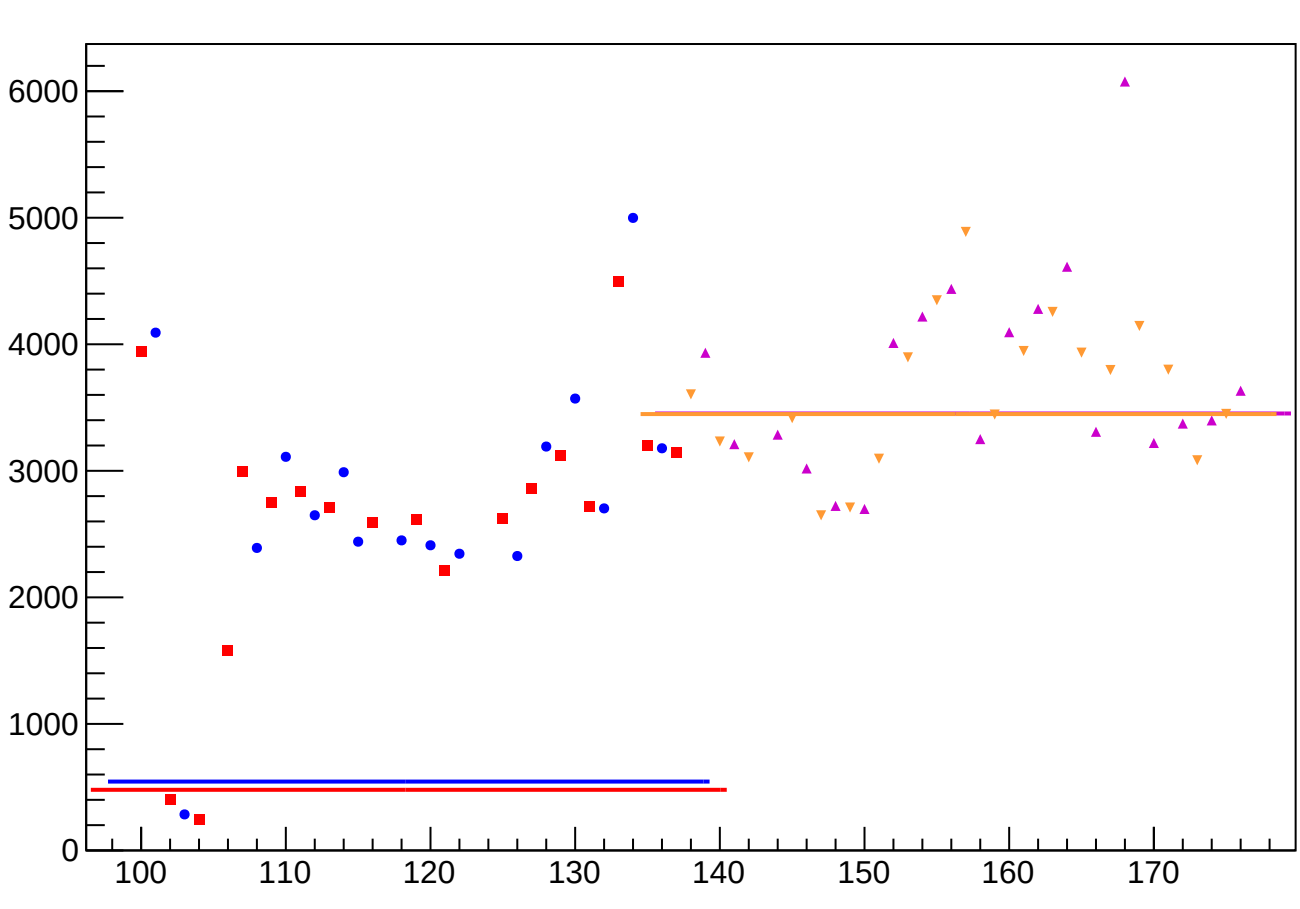
Left: -119.254+/-636.393 χ^2/NDF: 37.0/37

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -8.694+/-332.055 χ^2/NDF:26.4/34

Out: -171.234+/-303.874 χ^2/NDF:41.2/36

All: -97.153+/-224.174 χ^2/NDF: 67.7/71



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3448.464+/-0.641 χ^2/NDF:745899.8/18

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3453.062+/-0.632 χ^2/NDF:1027469.8/18

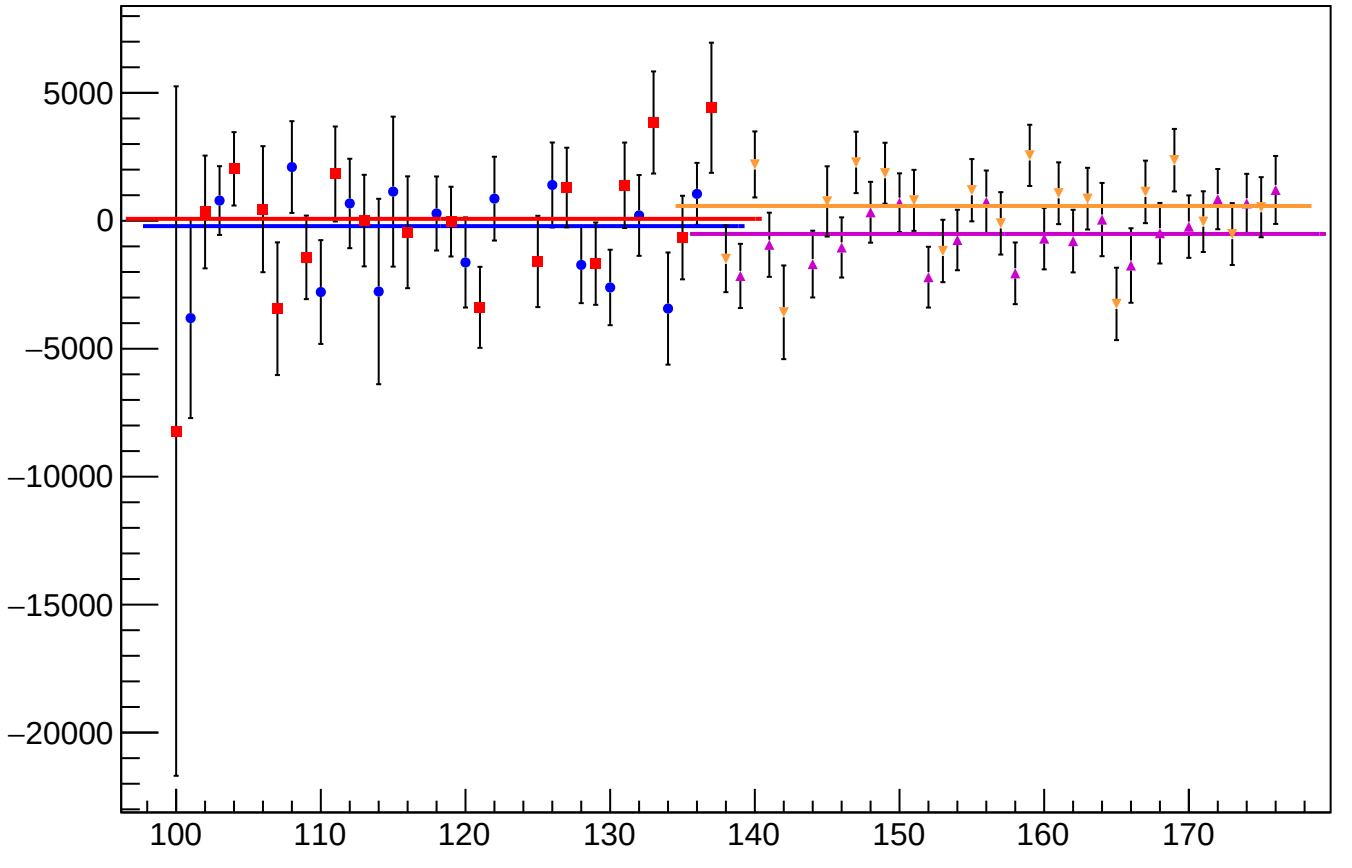
Left: 3450.795+/-0.450 χ^2/NDF: 1773395.7/37

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 945.773+/-0.235 χ^2/NDF:28967504.9/34

Out: 813.055+/-0.215 χ^2/NDF:28987597.6/36

All: 873.544+/-0.159 χ^2/NDF: 58128983.9/71



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -513.666+/-281.992 χ^2/NDF:14.3/18

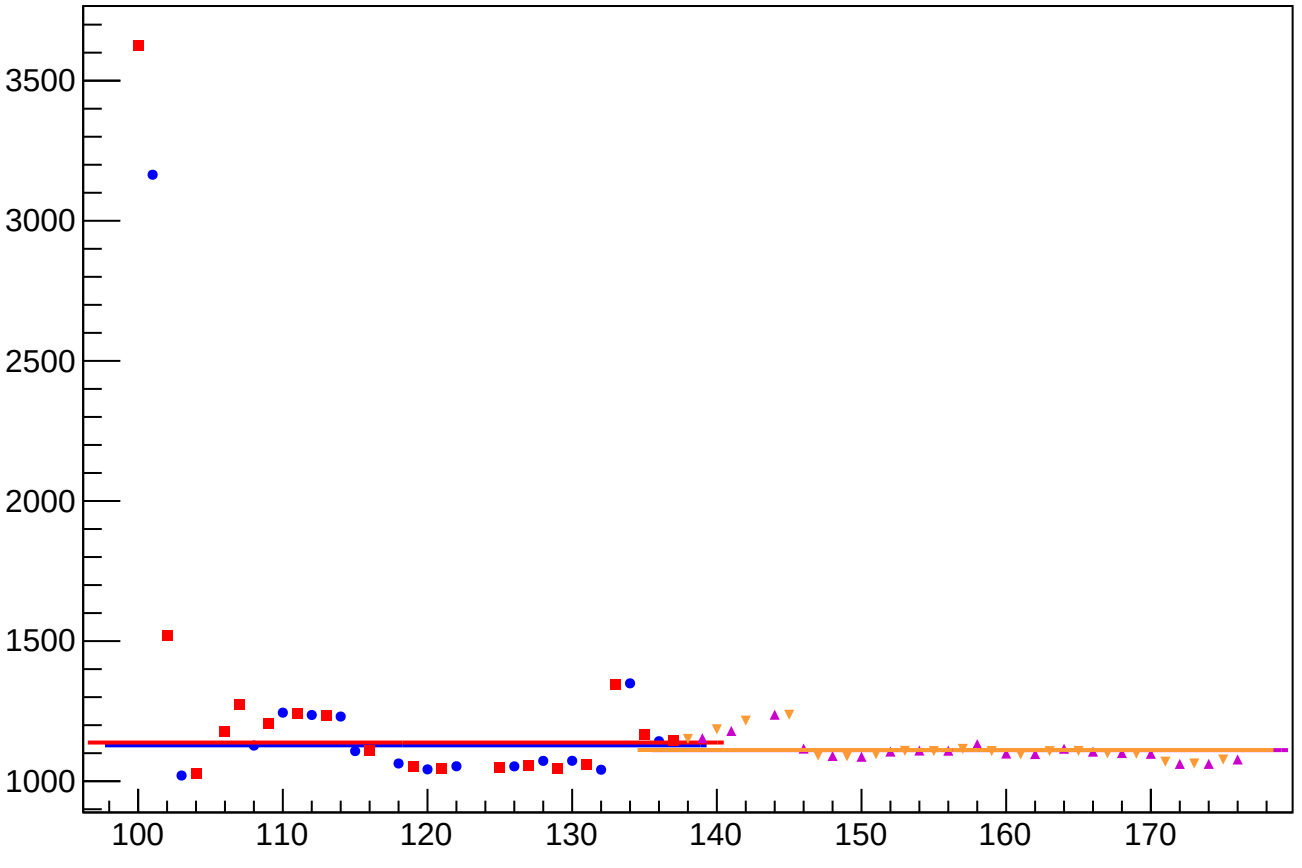
Left: 23.461+/-201.006 χ^2/NDF: 50.5/37

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -421.522+/-235.668 χ^2/NDF:29.4/34

Out: 424.080+/-238.609 χ^2/NDF:50.4/36

All: -3.964+/-167.673 χ^2/NDF: 86.2/71



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

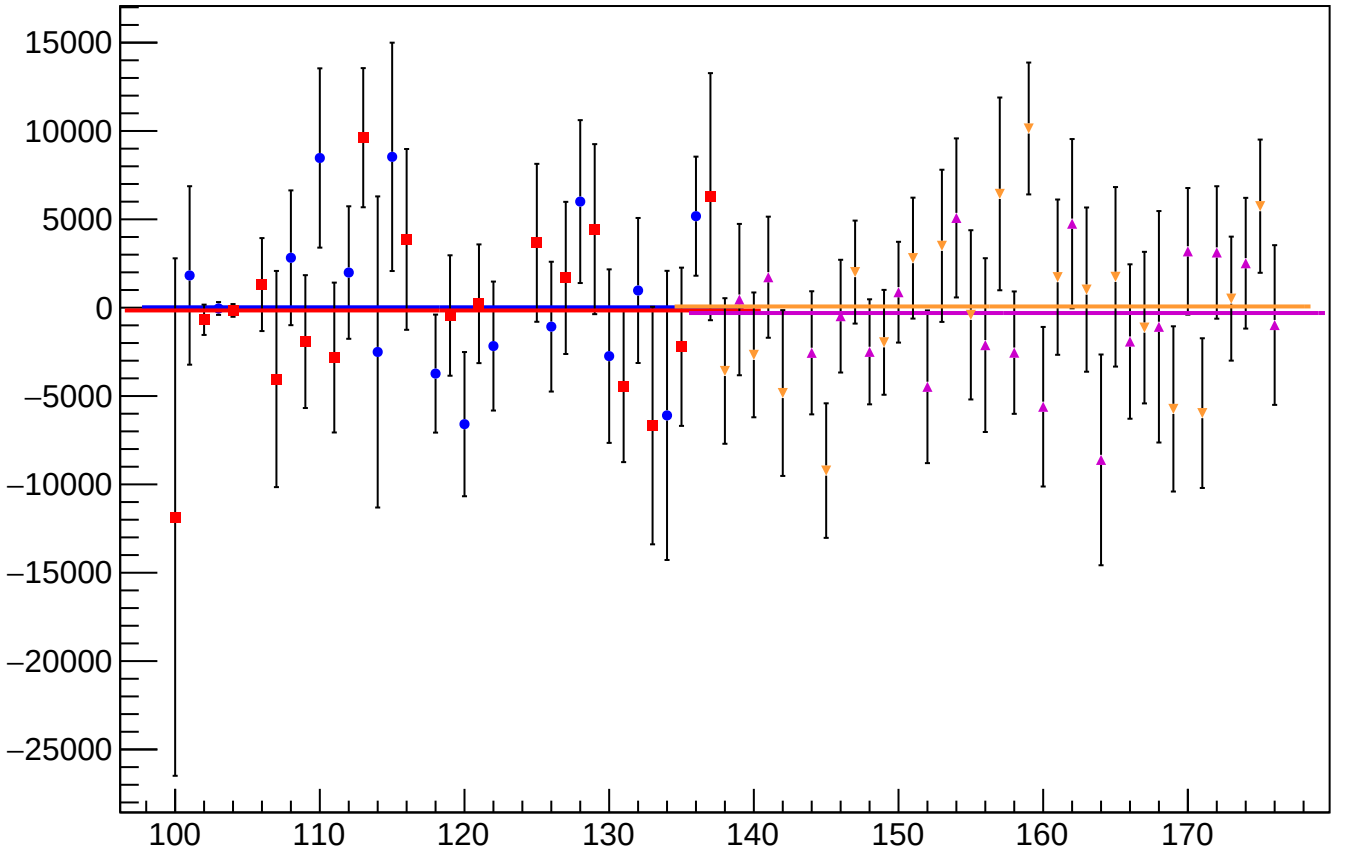
Left: 1111.153+/-0.142 χ^2/NDF: 79949.4/37

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1116.091+/-0.167 χ^2/NDF:662081.9/34

Out: 1119.545+/-0.169 χ^2/NDF:267396.5/36

All: 1117.797+/-0.119 χ^2/NDF: 929690.7/71



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 68.892+/-906.296 χ^2/NDF:25.5/18

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -302.235+/-893.826 χ^2/NDF:11.4/18

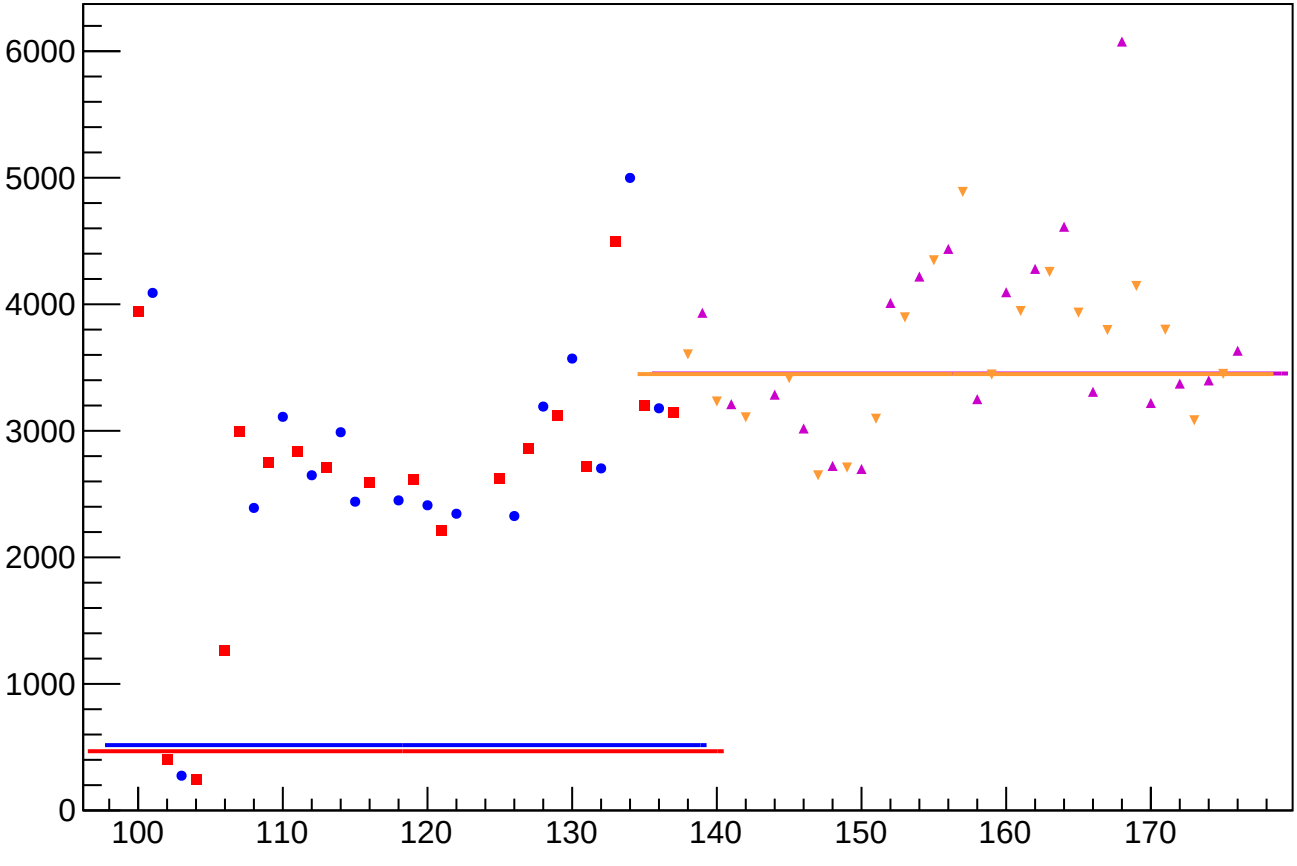
Left: -119.242+/-636.393 χ^2/NDF: 37.0/37

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -20.250+/-321.471 χ^2/NDF:26.4/34

Out: -131.640+/-299.533 χ^2/NDF:39.5/36

All: -79.875+/-219.147 χ^2/NDF: 66.0/71



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

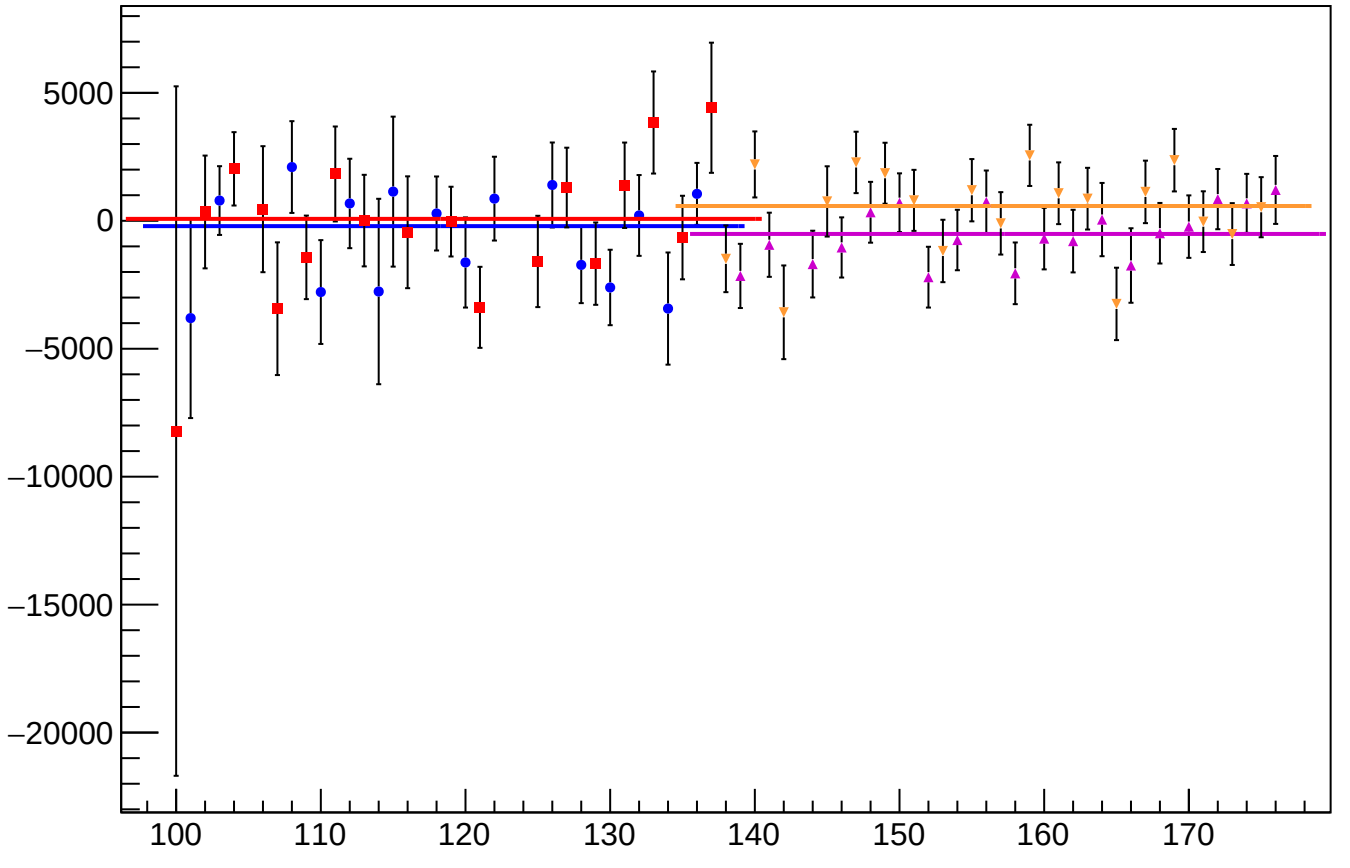
Left: 3450.795+/-0.450 χ^2/NDF: 1773407.5/37

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 896.177+/-0.227 χ^2/NDF:29659812.5/34

Out: 793.615+/-0.212 χ^2/NDF:29123745.6/36

All: 841.277+/-0.155 χ^2/NDF: 58892528.9/71



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 578.265+/-286.595 χ^2/NDF:28.8/18

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -513.666+/-281.992 χ^2/NDF:14.3/18

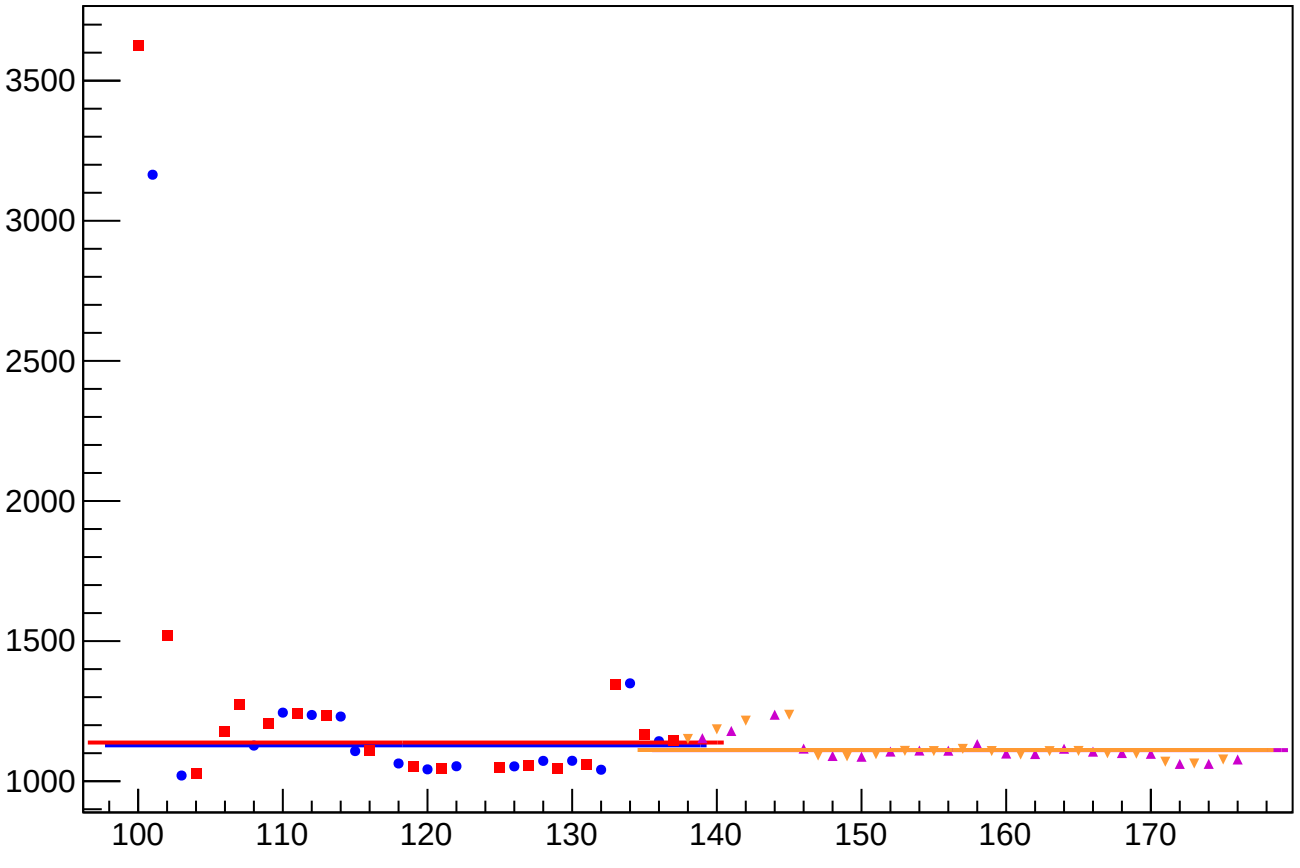
Left: 23.461+/-201.006 χ^2/NDF: 50.5/37

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -421.522+/-235.668 χ^2/NDF:29.4/34

Out: 424.080+/-238.609 χ^2/NDF:50.4/36

All: -3.964+/-167.673 χ^2/NDF: 86.2/71



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1111.367+/-0.203 χ^2/NDF:41468.7/18

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

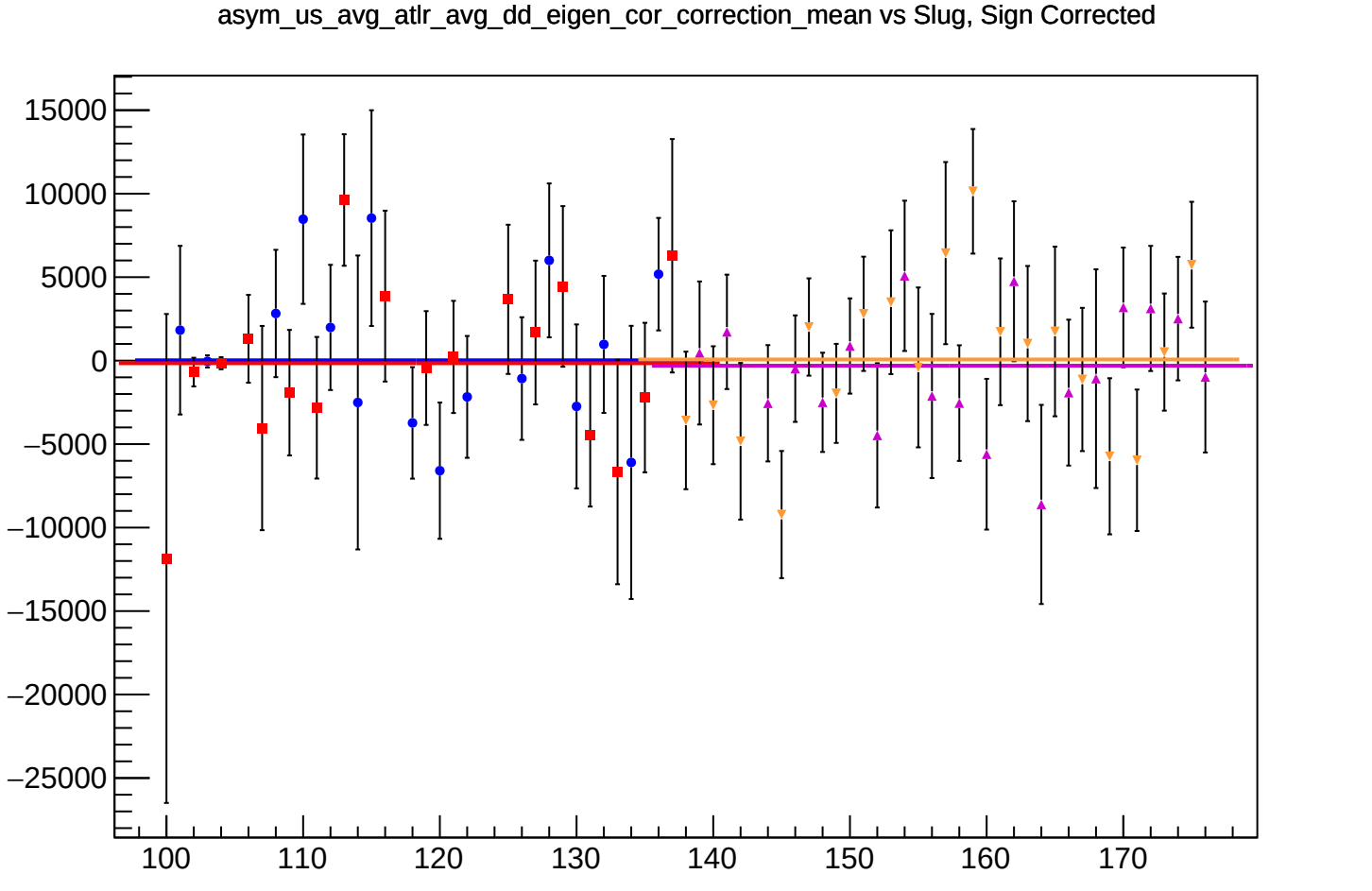
Left: 1111.153+/-0.142 χ^2/NDF: 79949.4/37

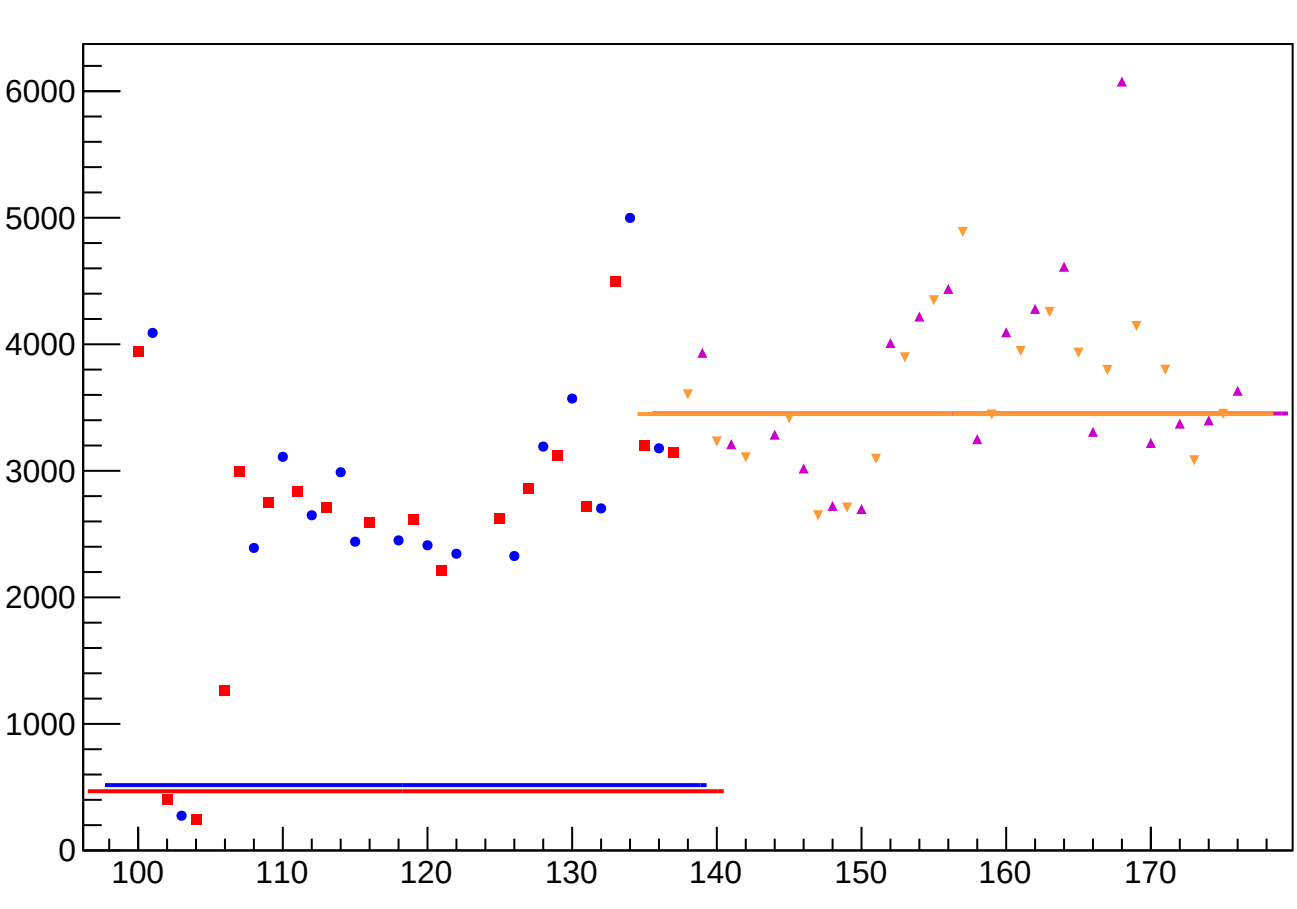
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1116.091+/-0.167 χ^2/NDF:662081.9/34

Out: 1119.545+/-0.169 χ^2/NDF:267396.5/36

All: 1117.797+/-0.119 χ^2/NDF: 929690.7/71


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 68.892+/-906.296 χ²/NDF:25.5/18
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -302.235+/-893.826 χ²/NDF:11.4/18
Left: -119.242+/-636.393 χ²/NDF: 37.0/37
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -20.250+/-321.471 χ²/NDF:26.4/34
Out: -131.640+/-299.533 χ²/NDF:39.5/36
All: -79.875+/-219.147 χ²/NDF: 66.0/71



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.465+/-0.641 χ^2/NDF:745905.7/18

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

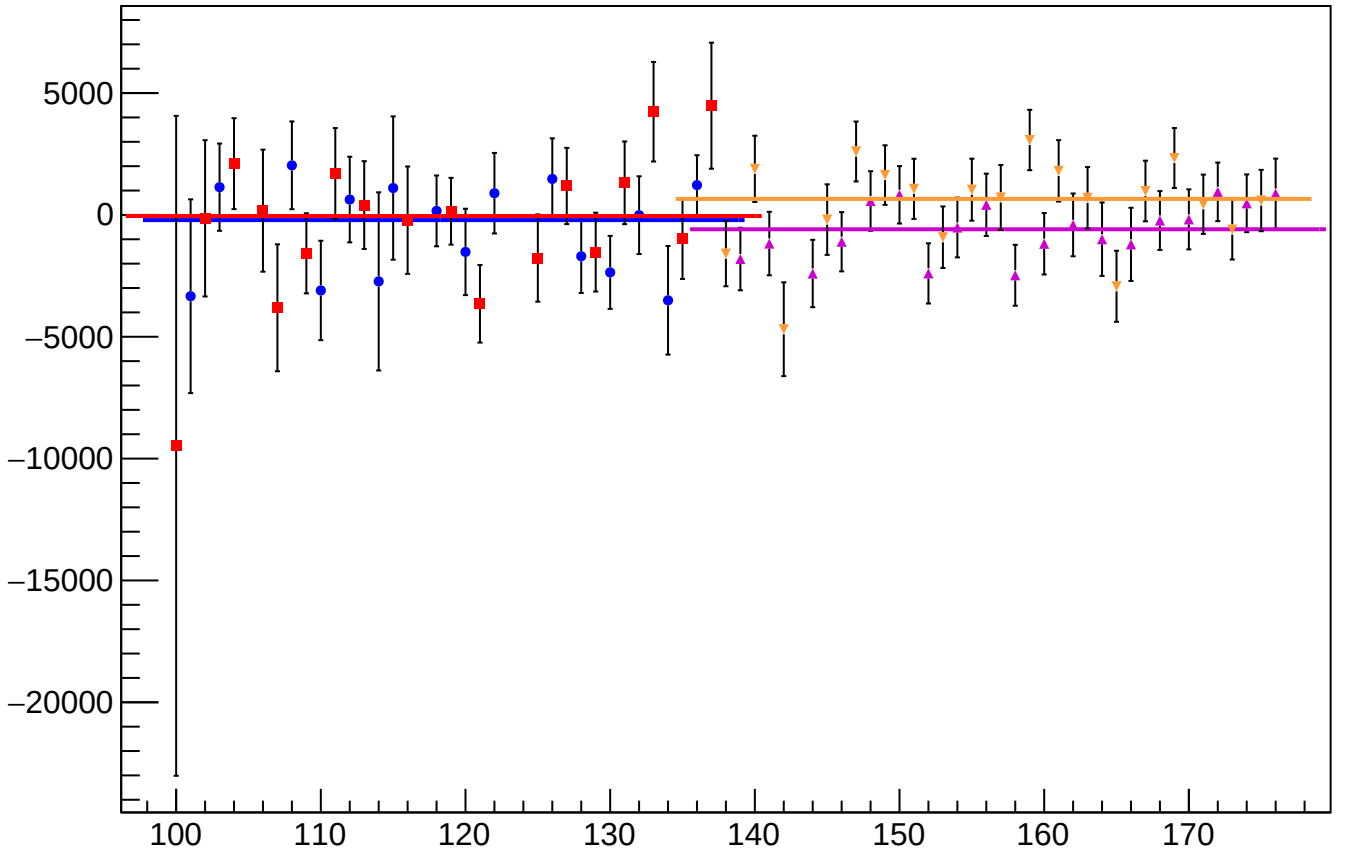
Left: 3450.795+/-0.450 χ^2/NDF: 1773407.5/37

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 896.177+/-0.227 χ^2/NDF:29659812.5/34

Out: 793.615+/-0.212 χ^2/NDF:29123745.6/36

All: 841.277+/-0.155 χ^2/NDF: 58892528.9/71



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -588.408+/-292.245 χ^2/NDF:14.6/18

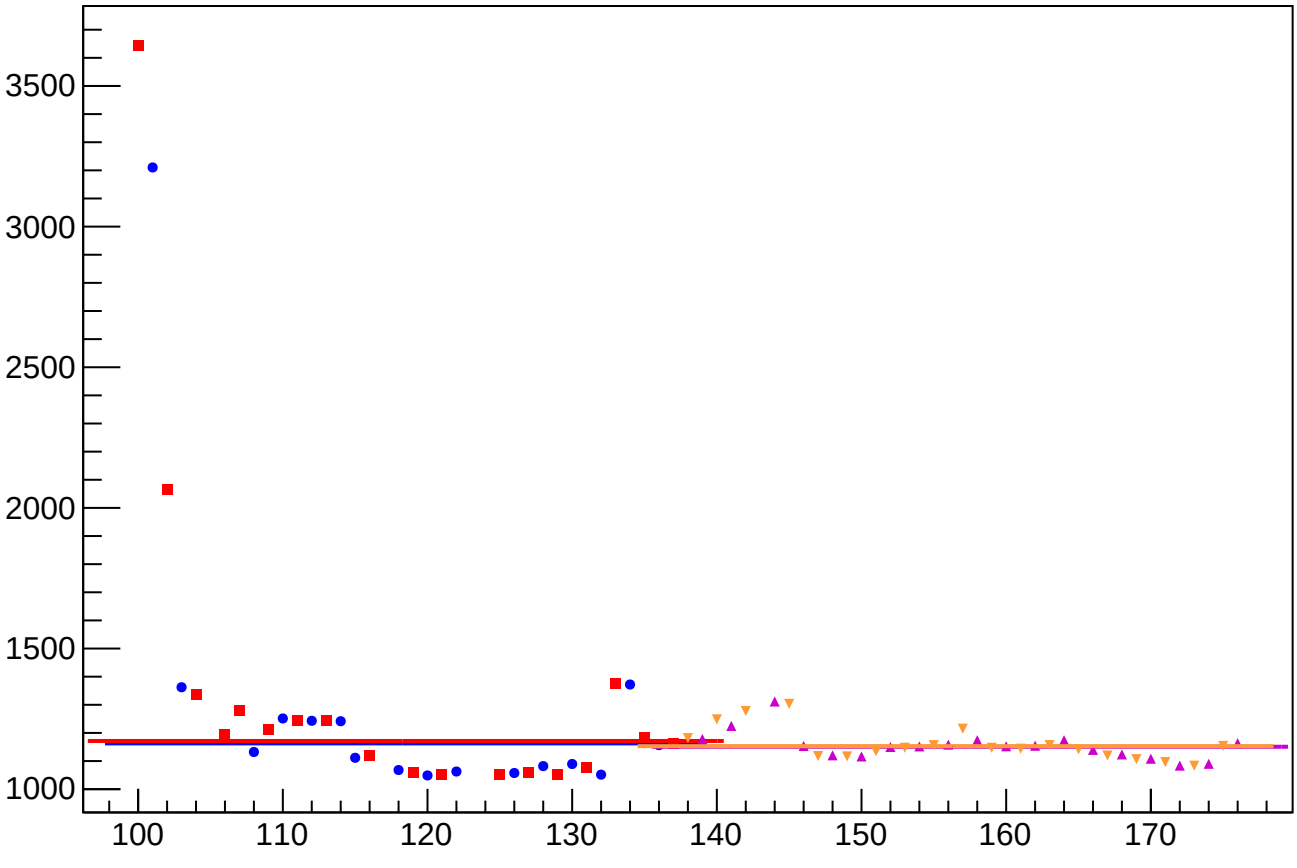
Left: 23.312+/-208.473 χ^2/NDF: 53.8/37

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -474.483+/-243.892 χ^2/NDF:29.4/34

Out: 441.595+/-247.686 χ^2/NDF:53.7/36

All: -23.514+/-173.783 χ^2/NDF: 90.0/71



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.889+/-0.210 χ^2/NDF:64220.9/18

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.906+/-0.207 χ^2/NDF:53796.5/18

Left: 1151.880+/-0.147 χ^2/NDF: 118062.7/37

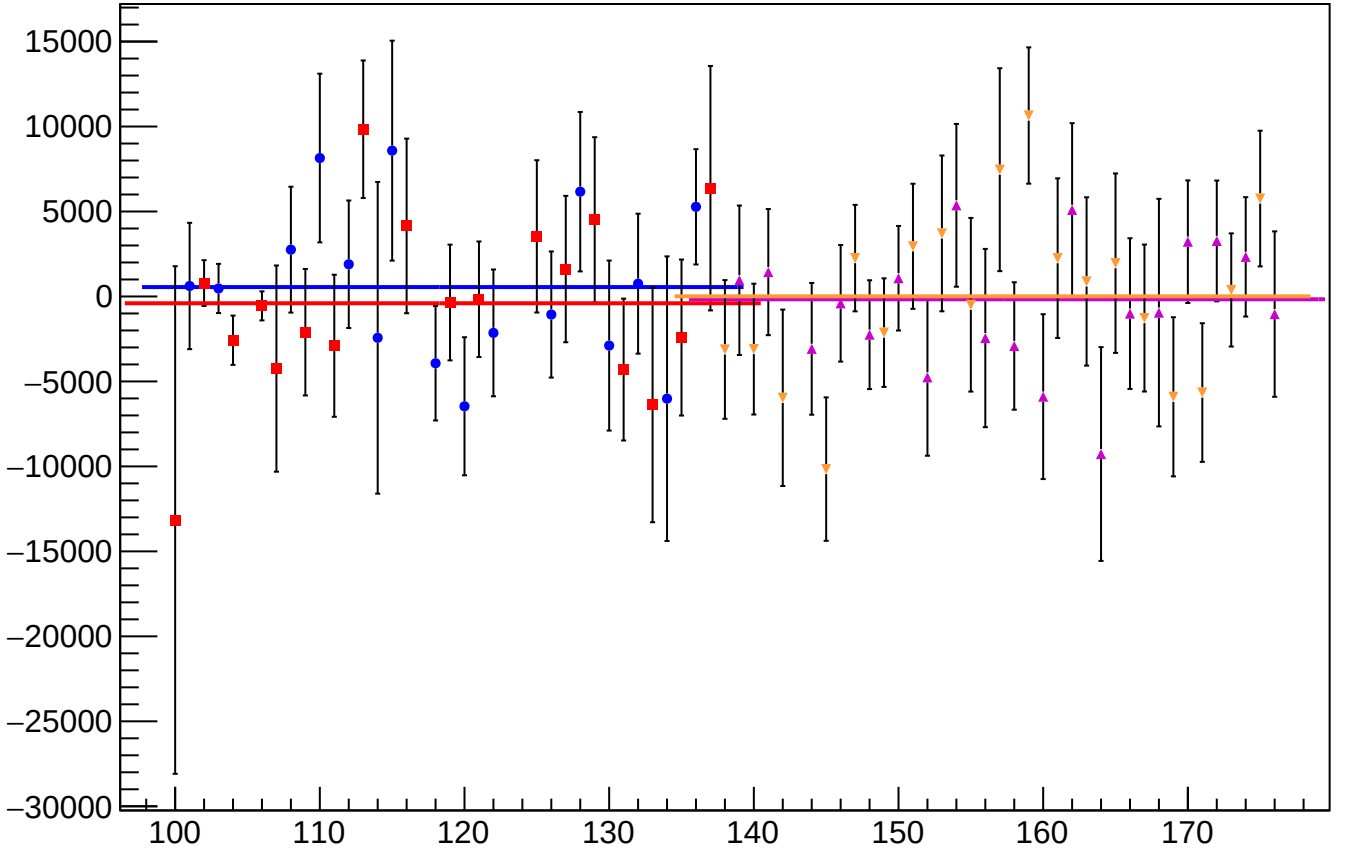
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1154.532+/-0.172 χ^2/NDF:690164.2/34

Out: 1158.577+/-0.175 χ^2/NDF:398244.0/36

All: 1156.524+/-0.123 χ^2/NDF: 1088679.0/71

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 7.804+/-951.368 χ^2/NDF:25.3/18

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -165.127+/-938.353 χ^2/NDF:11.4/18

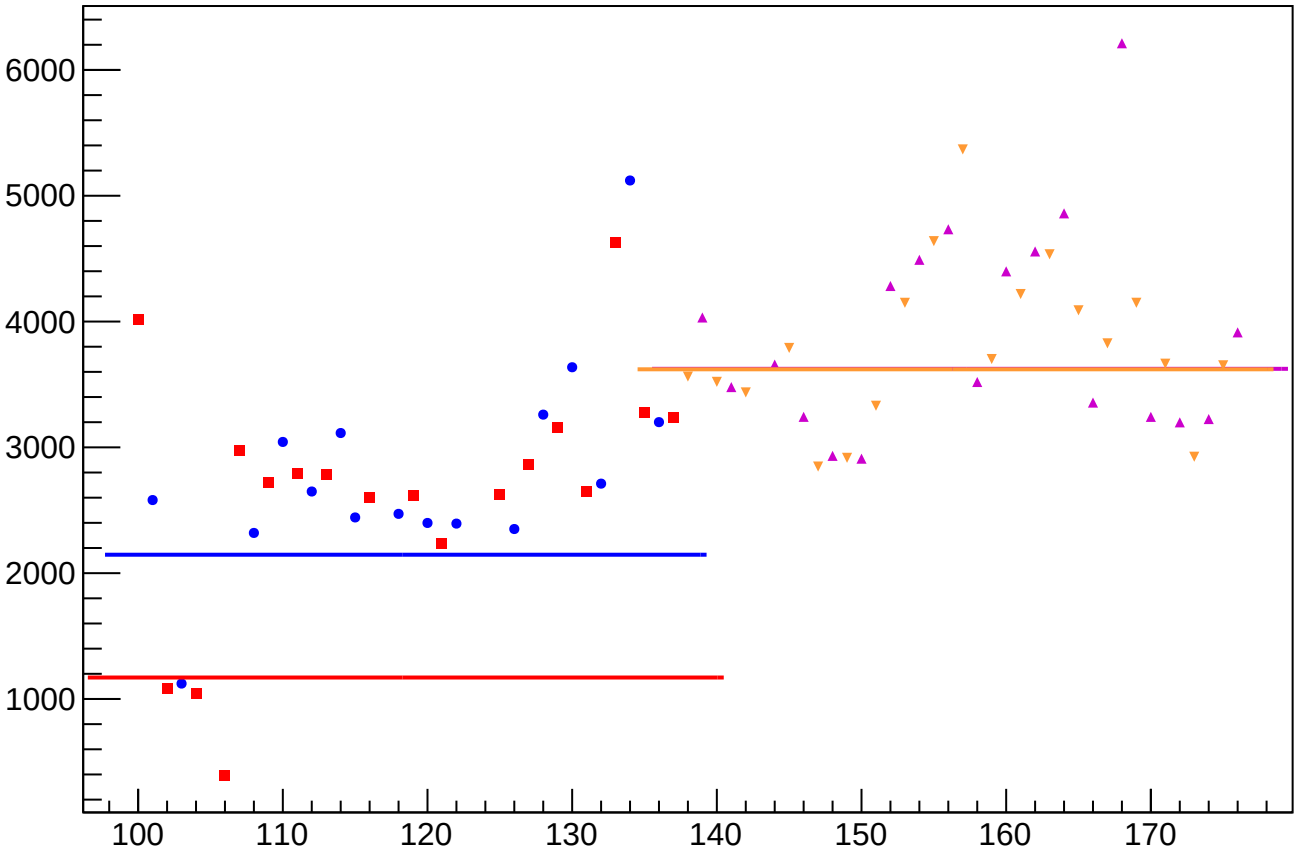
Left: -79.853+/-668.070 χ^2/NDF: 36.7/37

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 219.093+/-639.603 χ^2/NDF:26.1/34

Out: -293.748+/-486.343 χ^2/NDF:42.1/36

All: -105.864+/-387.136 χ^2/NDF: 68.6/71



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3620.467+/-0.673 χ^2/NDF:750986.2/18

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3624.267+/-0.664 χ^2/NDF:1028690.7/18

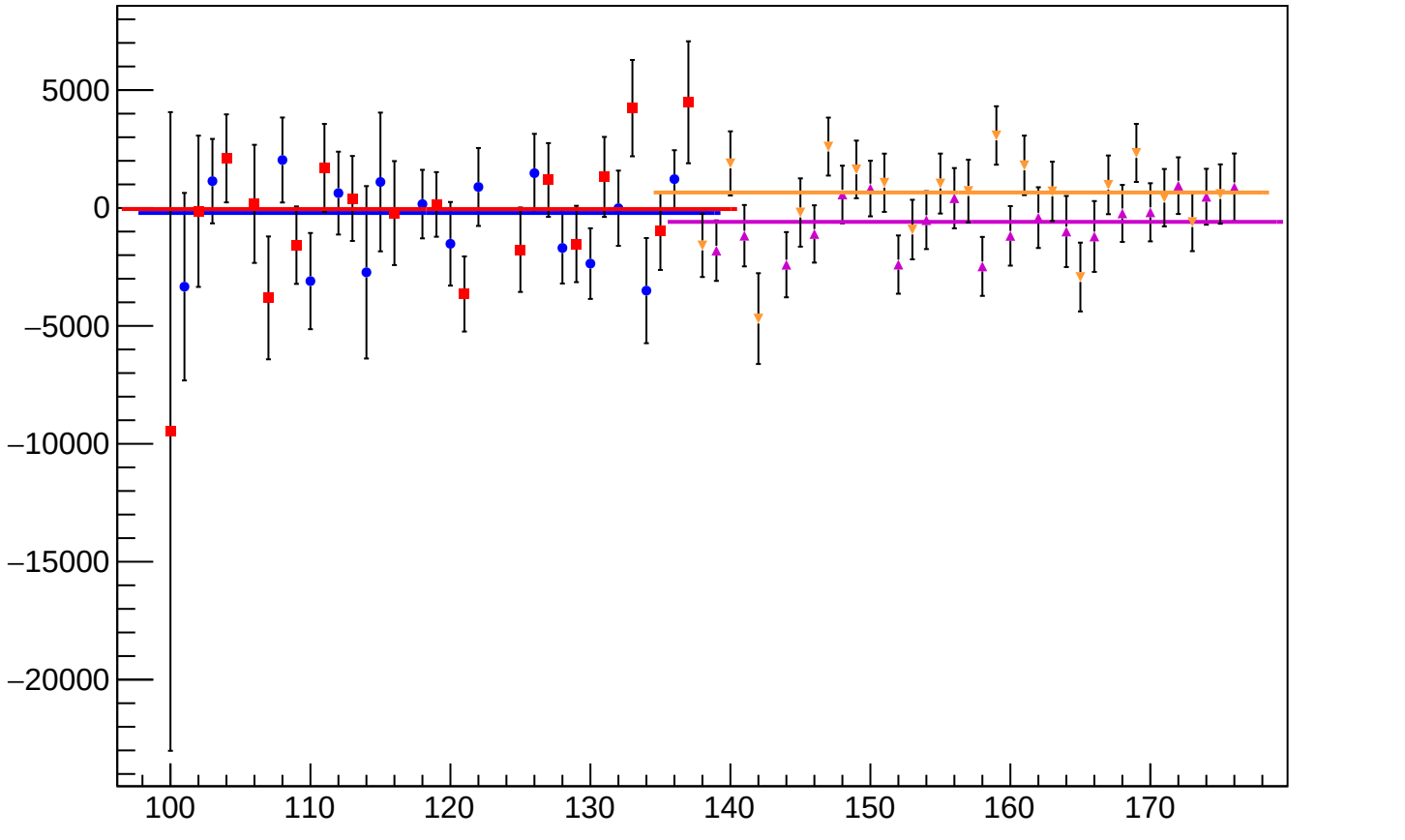
Left: 3622.393+/-0.472 χ^2/NDF: 1779693.1/37

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2833.146+/-0.452 χ^2/NDF:5658701.5/34

Out: 1810.803+/-0.344 χ^2/NDF:16365130.7/36

All: 2185.348+/-0.274 χ^2/NDF: 25261601.3/7



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 657.122+/-297.475 χ^2/NDF:30.3/18

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -588.408+/-292.245 χ^2/NDF:14.6/18

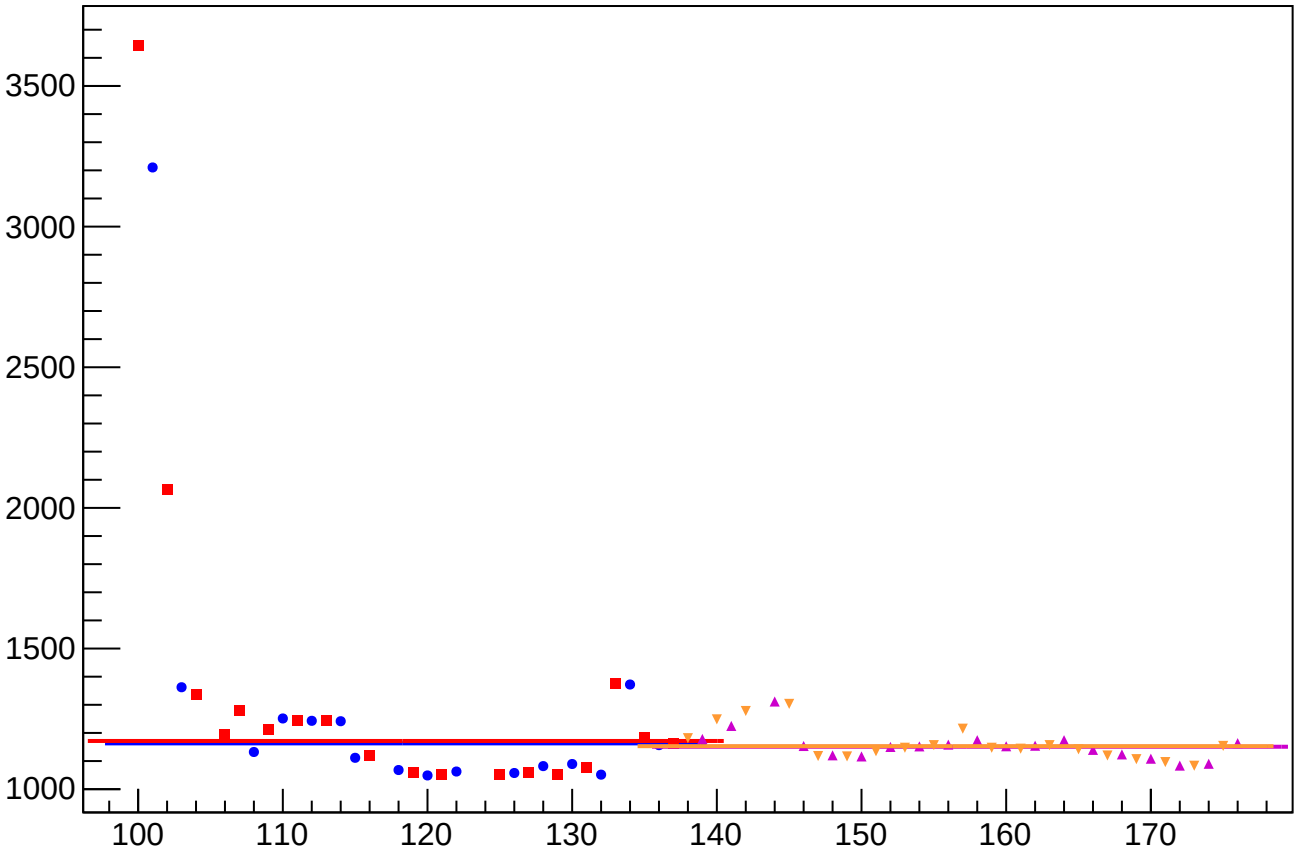
Left: 23.312+/-208.473 χ^2/NDF: 53.8/37

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -474.484+/-243.892 χ^2/NDF:29.4/34

Out: 441.594+/-247.686 χ^2/NDF:53.7/36

All: -23.514+/-173.783 χ^2/NDF: 90.0/71



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1152.890+/-0.210 χ^2/NDF:64222.3/18

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.907+/-0.207 χ^2/NDF:53797.6/18

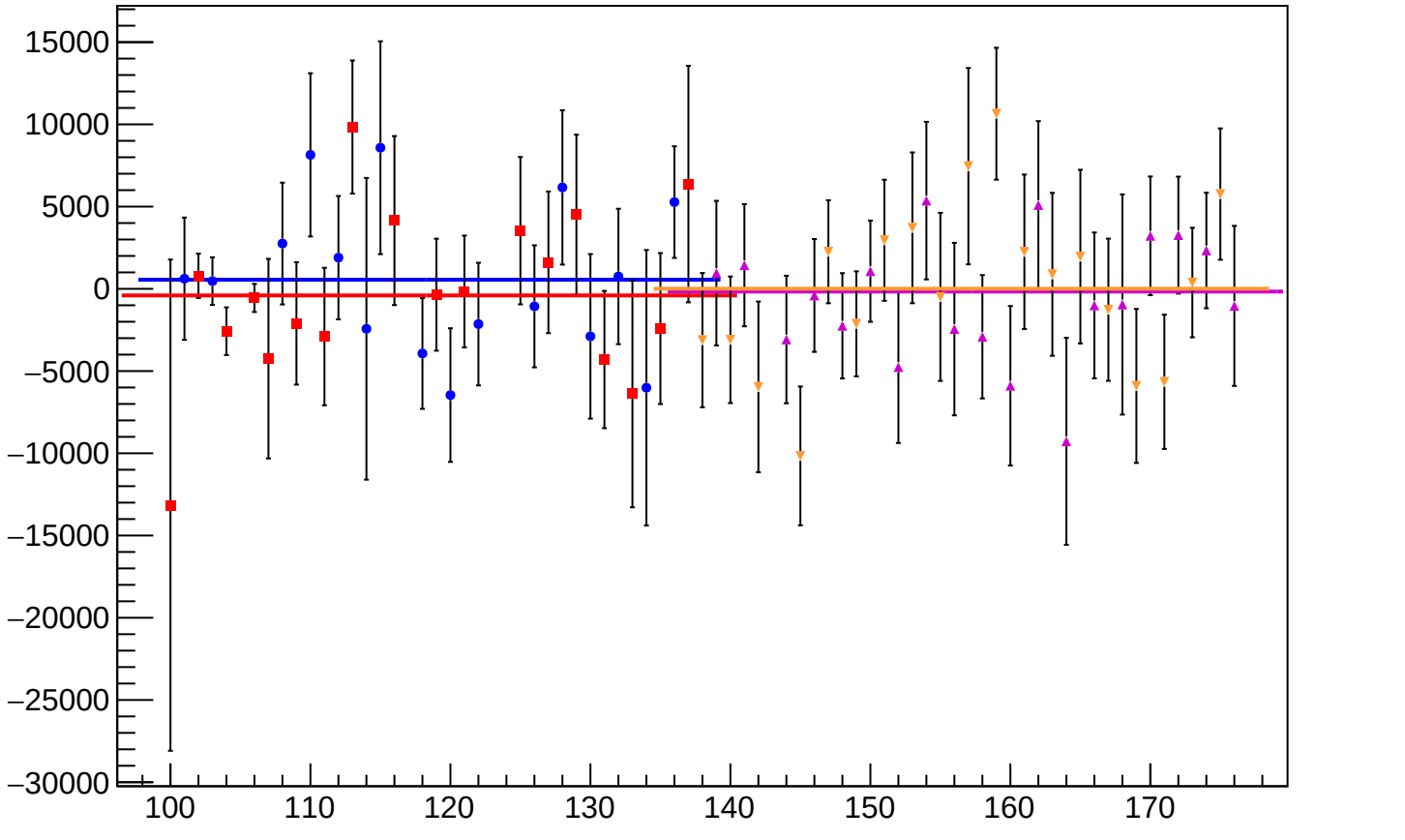
Left: 1151.881+/-0.147 χ^2/NDF: 118065.1/37

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1154.532+/-0.172 χ^2/NDF:690165.3/34

Out: 1158.578+/-0.175 χ^2/NDF:398244.8/36

All: 1156.524+/-0.123 χ^2/NDF: 1088680.9/71



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 7.803+/-951.369 χ^2/NDF:25.3/18

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -165.126+/-938.355 χ^2/NDF:11.4/18

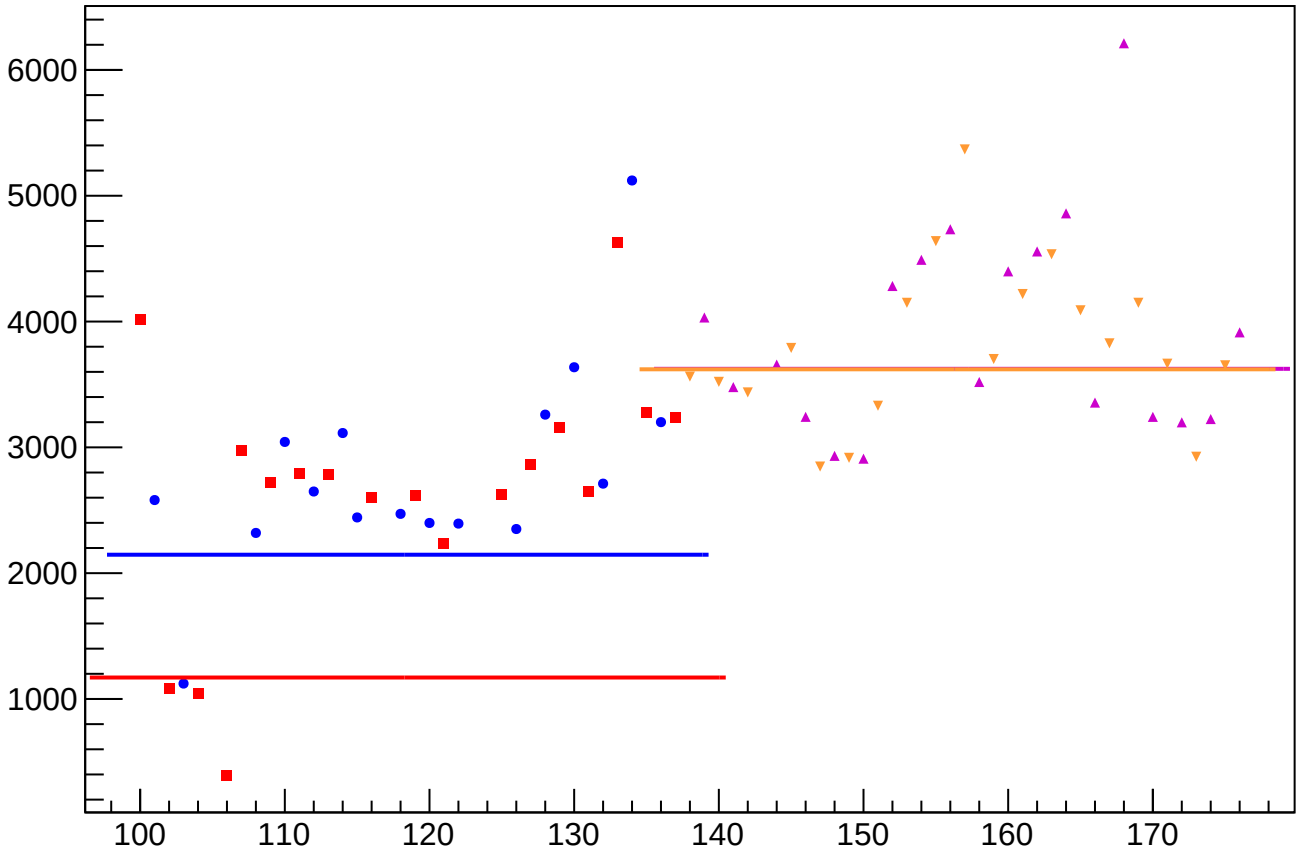
Left: -79.853+/-668.071 χ^2/NDF: 36.7/37

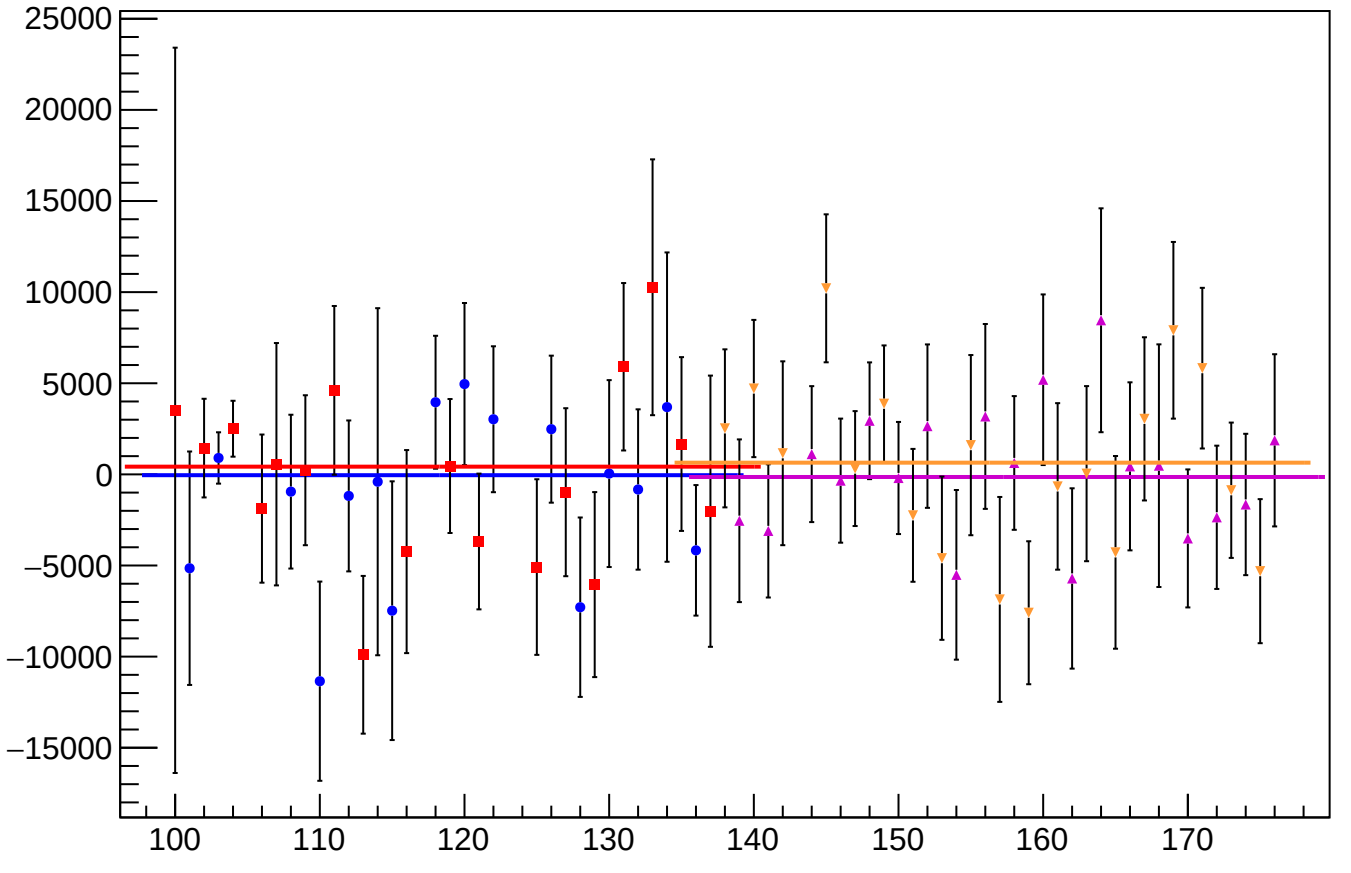
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 219.091+/-639.603 χ^2/NDF:26.1/34

Out: -293.751+/-486.339 χ^2/NDF:42.1/36

All: -105.869+/-387.134 χ^2/NDF: 68.7/71


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 2146.613+/-0.618 χ²/NDF: 1974719.3/15
Left Out: 3620.472+/-0.673 χ²/NDF:750986.9/18
Right Out: 1170.550+/-0.400 χ²/NDF: 5817605.6/17
Left In: 3624.272+/-0.664 χ²/NDF:1028692.6/18
Left: 3622.398+/-0.472 χ²/NDF: 1779695.7/37
Right: 1458.789+/-0.336 χ²/NDF: 9549586.1/33
In: 2833.145+/-0.452 χ²/NDF:5658727.6/34
Out: 1810.774+/-0.344 χ²/NDF:16365525.4/36
All: 2185.326+/-0.274 χ²/NDF: 25262213.5/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 642.227+/-956.907 χ^2/NDF:23.5/18

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -143.379+/-943.330 χ^2/NDF:10.2/18

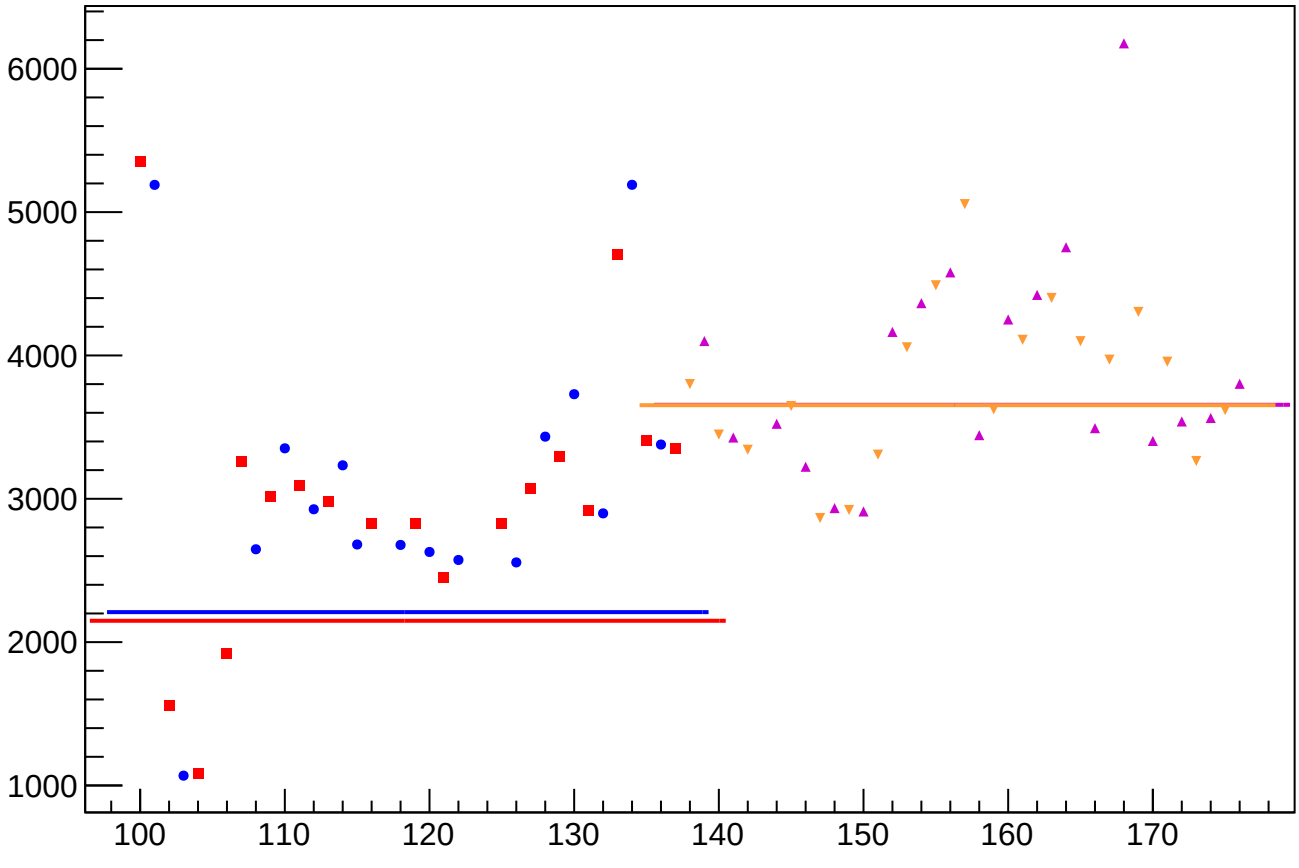
Left: 243.811+/-671.784 χ^2/NDF: 34.0/37

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -92.933+/-658.902 χ^2/NDF:23.9/34

Out: 525.758+/-654.327 χ^2/NDF:40.9/36

All: 218.568+/-464.288 χ^2/NDF: 65.2/71



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3652.993+/-0.677 χ^2/NDF:621307.9/18

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.687+/-0.667 χ^2/NDF:873273.0/18

Left: 3654.359+/-0.475 χ^2/NDF: 1494588.9/37

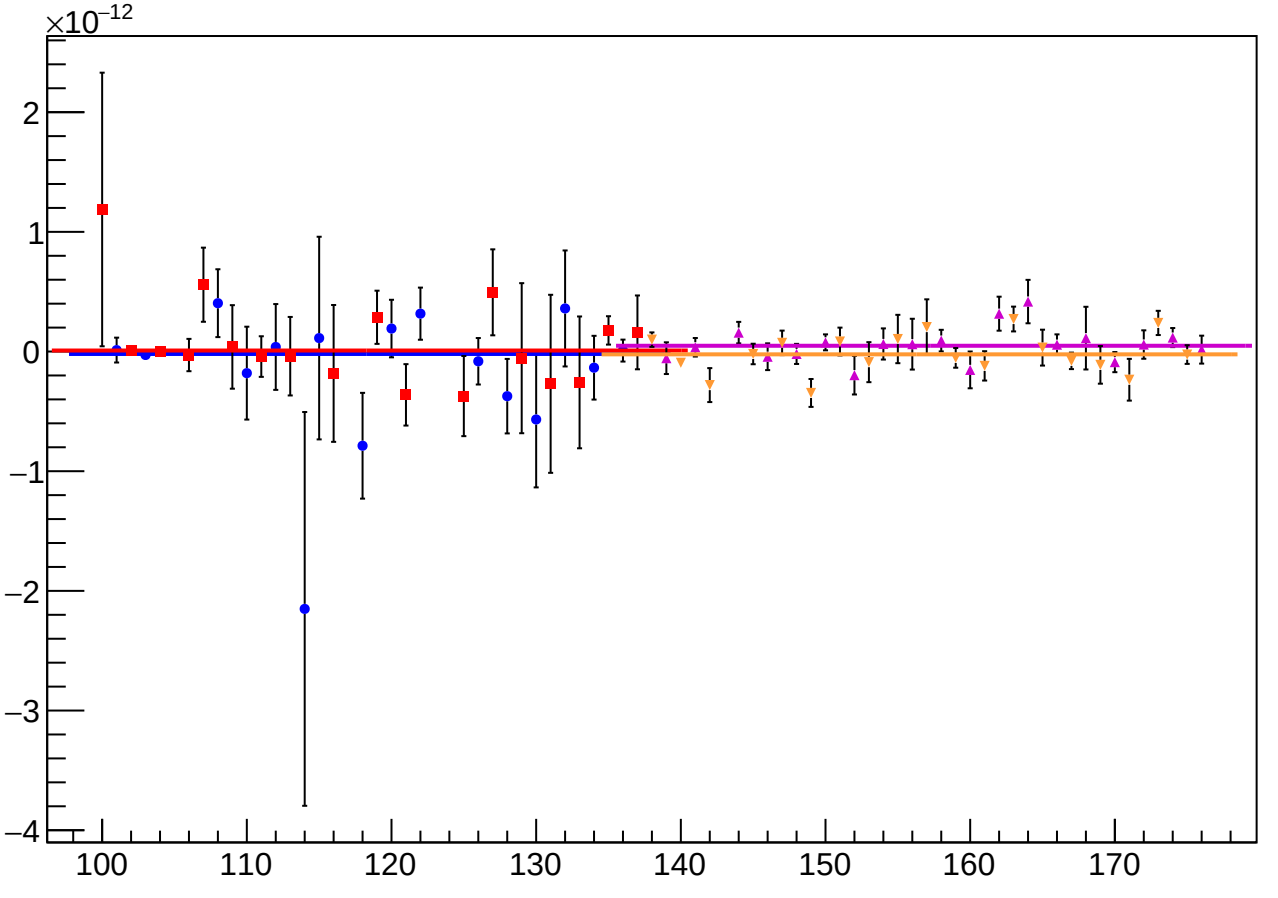
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2914.987+/-0.466 χ^2/NDF:6117913.0/34

Out: 2850.405+/-0.462 χ^2/NDF:5527562.4/36

All: 2882.430+/-0.328 χ^2/NDF: 11655161.5/7

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.2/18

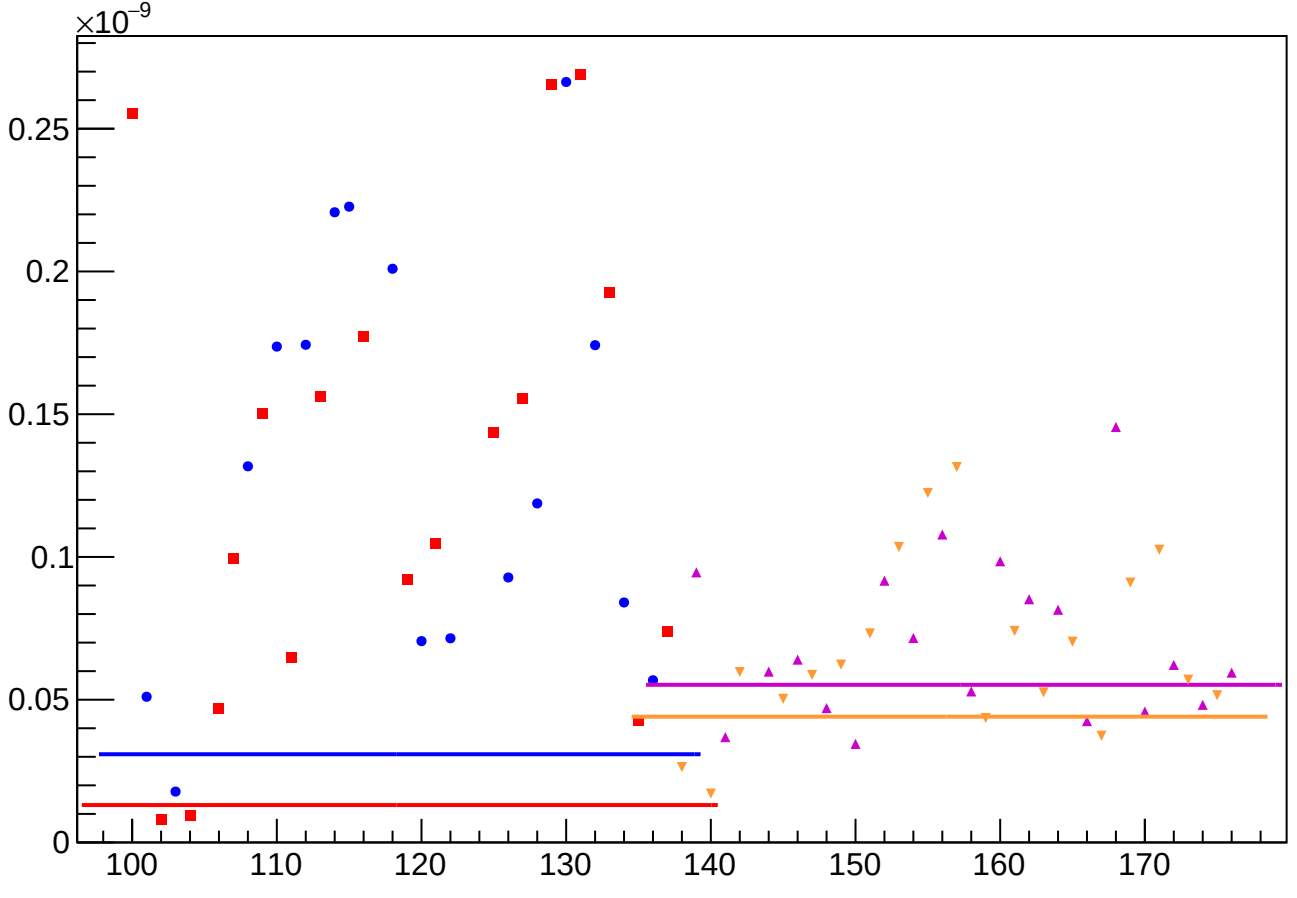
Left: 0.000+/-0.000 χ^2/NDF: 63.7/37

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:36.7/34

Out: -0.000+/-0.000 χ^2/NDF:55.0/36

All: 0.000+/-0.000 χ^2/NDF: 92.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797365.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1397087.9/18

Left: 0.000+/-0.000 χ^2/NDF: 4441155.9/37

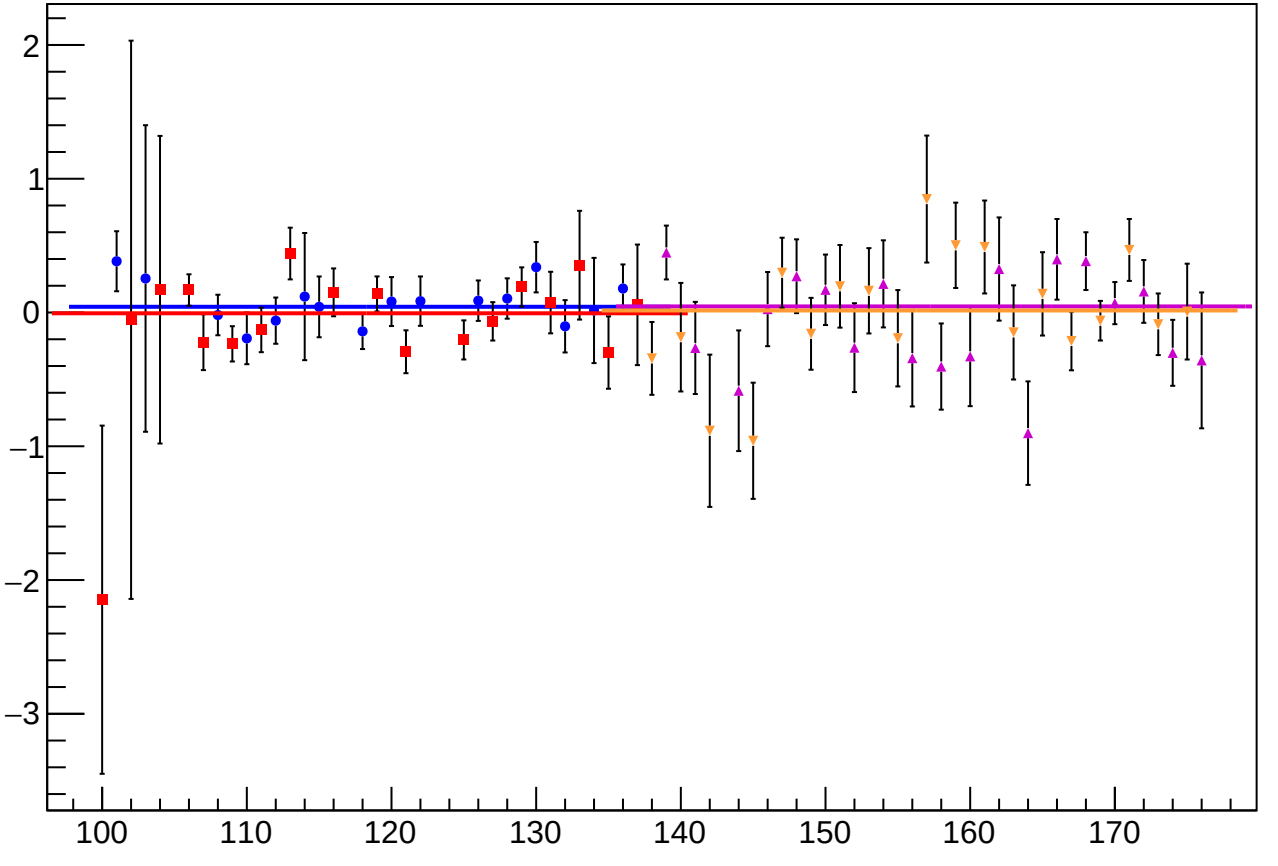
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5364952.5/34

Out: 0.000+/-0.000 χ^2/NDF:9360247.7/36

All: 0.000+/-0.000 χ^2/NDF: 16562610.3/71

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: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

Left: 0.031+/-0.045 χ^2/NDF: 51.2/37

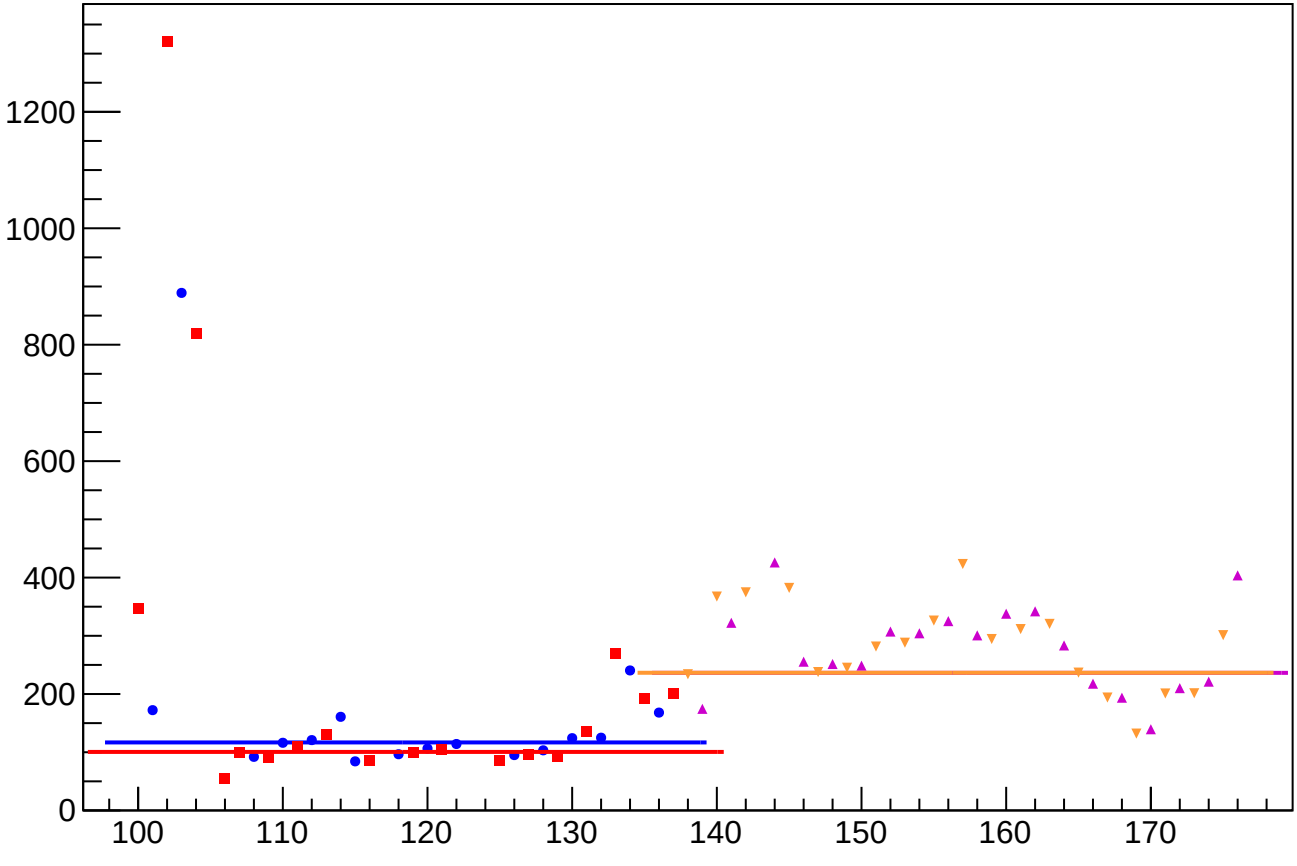
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.021+/-0.026 χ^2/NDF: 88.1/71

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

Left: 236.435+/-0.032 χ^2/NDF: 5071342.3/37

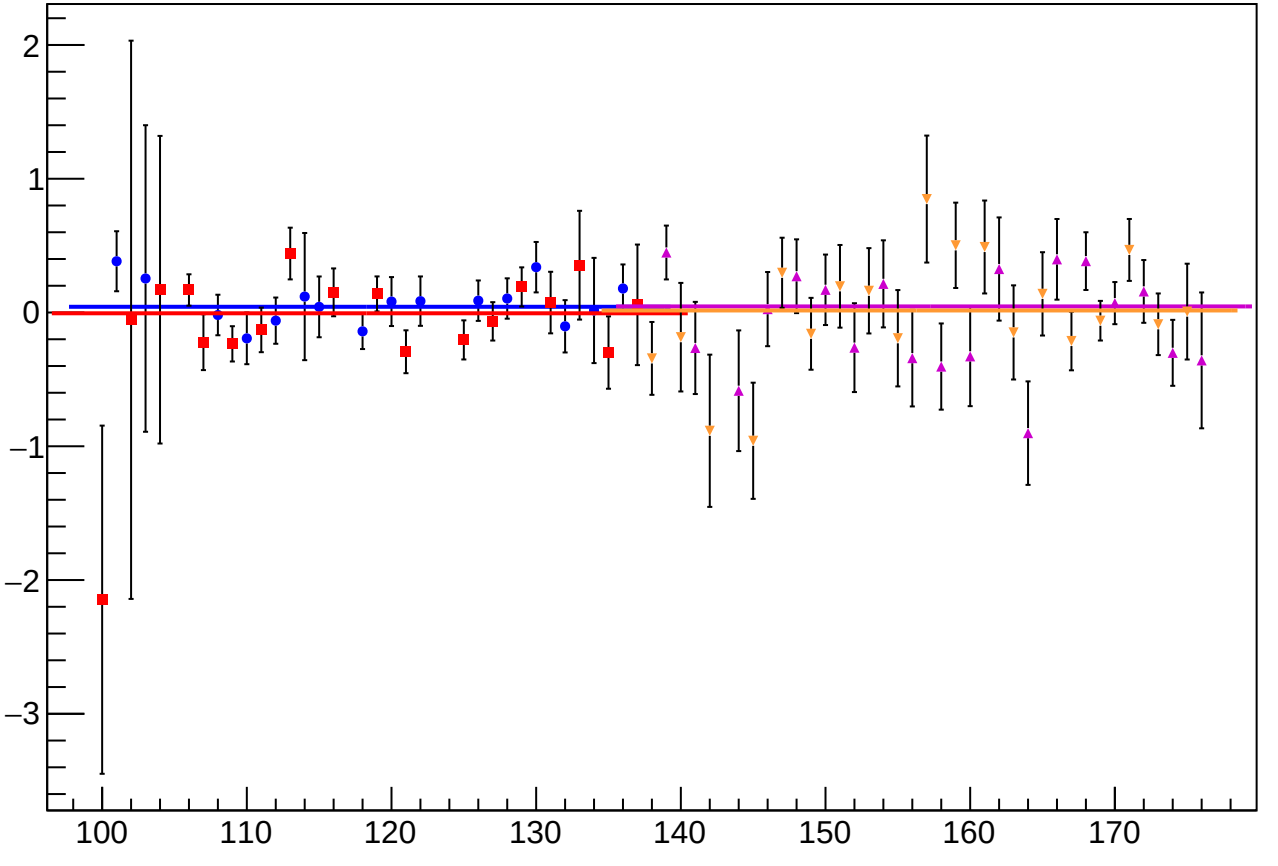
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 159.496+/-0.027 χ^2/NDF:8633737.3/34

Out: 142.476+/-0.026 χ^2/NDF:11307366.6/36

All: 150.530+/-0.019 χ^2/NDF: 20151739.3/71

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: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

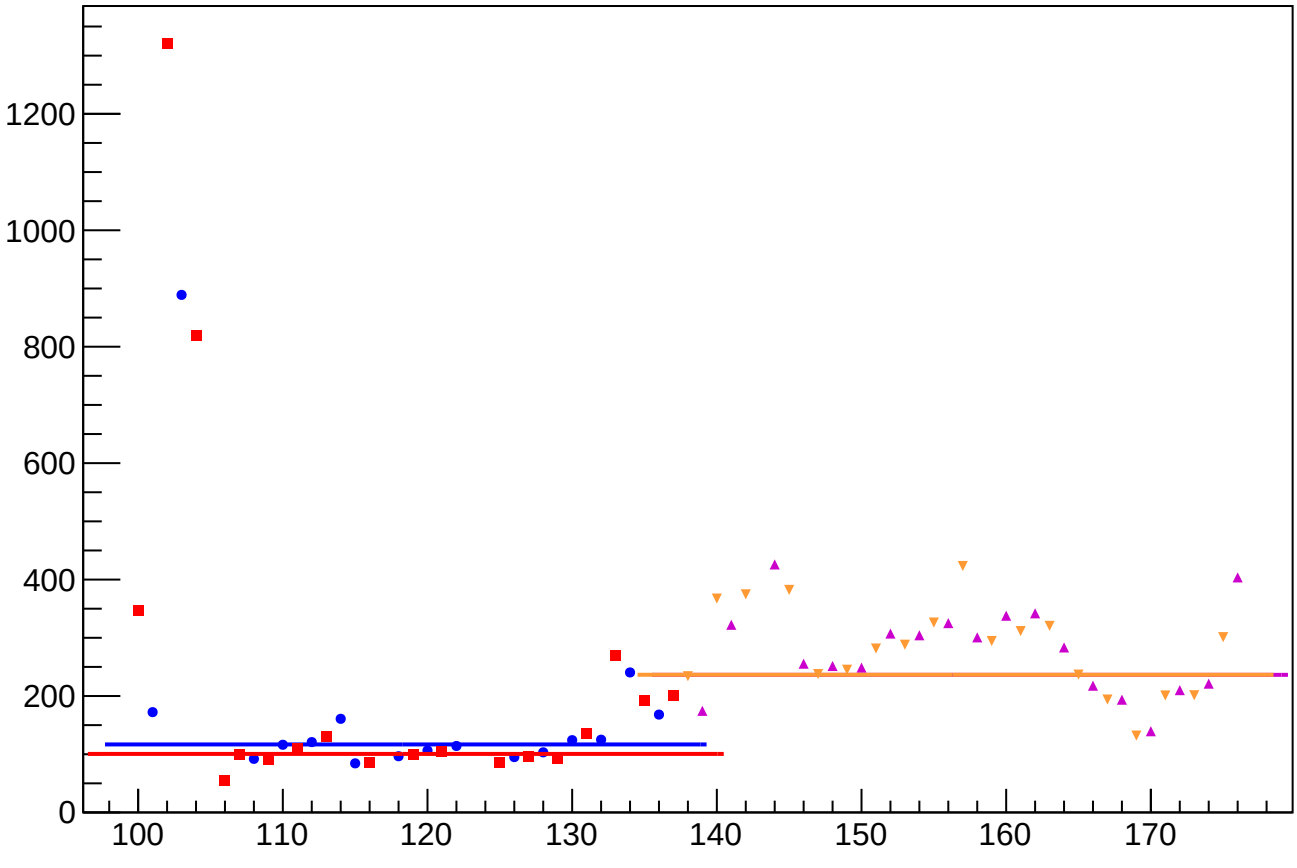
Left: 0.031+/-0.045 χ^2/NDF: 51.2/37

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.021+/-0.026 χ^2/NDF: 88.1/71



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 236.507+/-0.046 χ^2/NDF:2584231.7/18

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

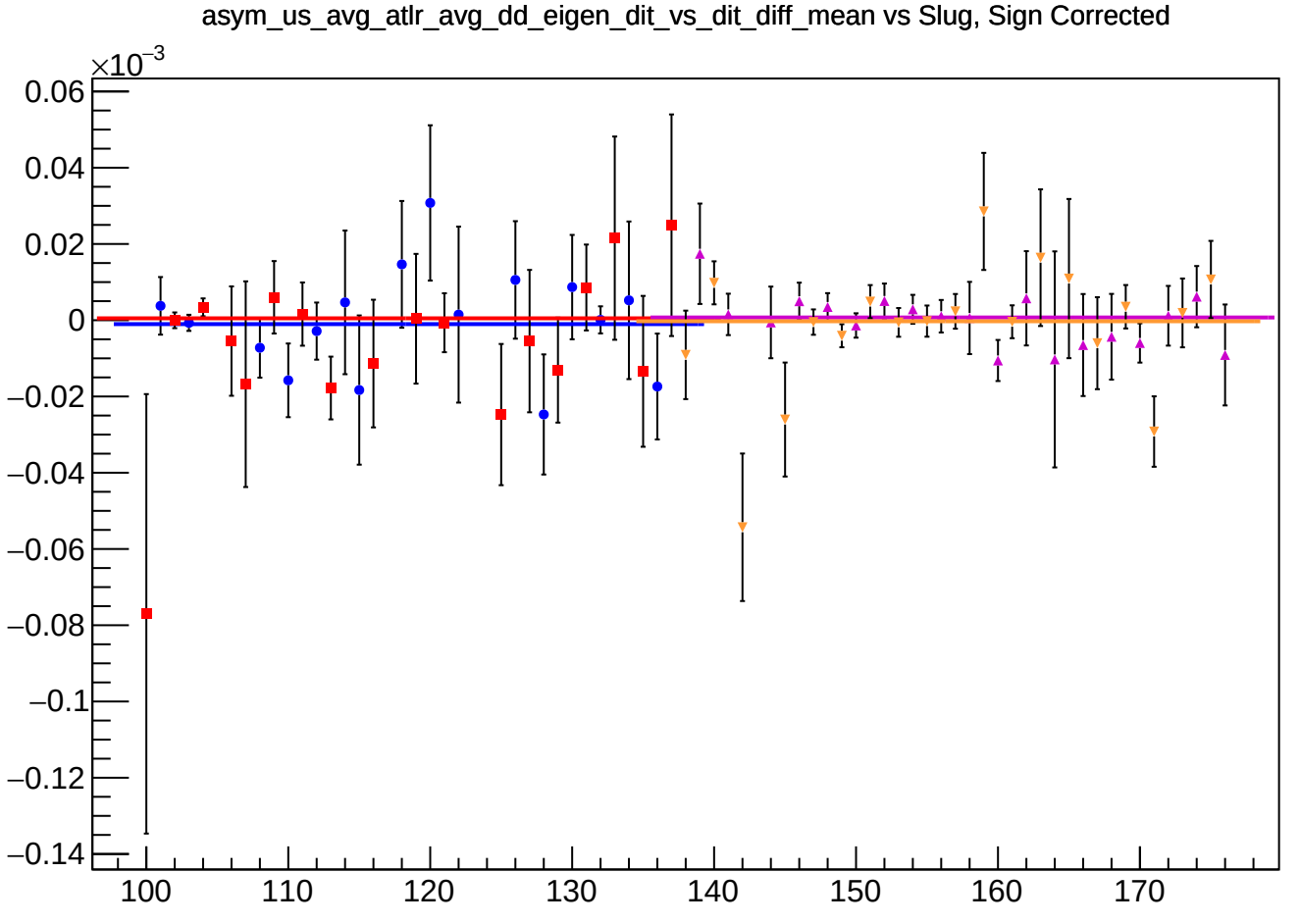
Left: 236.435+/-0.032 χ^2/NDF: 5071342.3/37

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 159.496+/-0.027 χ^2/NDF:8633737.3/34

Out: 142.476+/-0.026 χ^2/NDF:11307366.6/36

All: 150.530+/-0.019 χ^2/NDF: 20151739.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.5/18

Left: 0.000+/-0.000 χ^2/NDF: 47.1/37

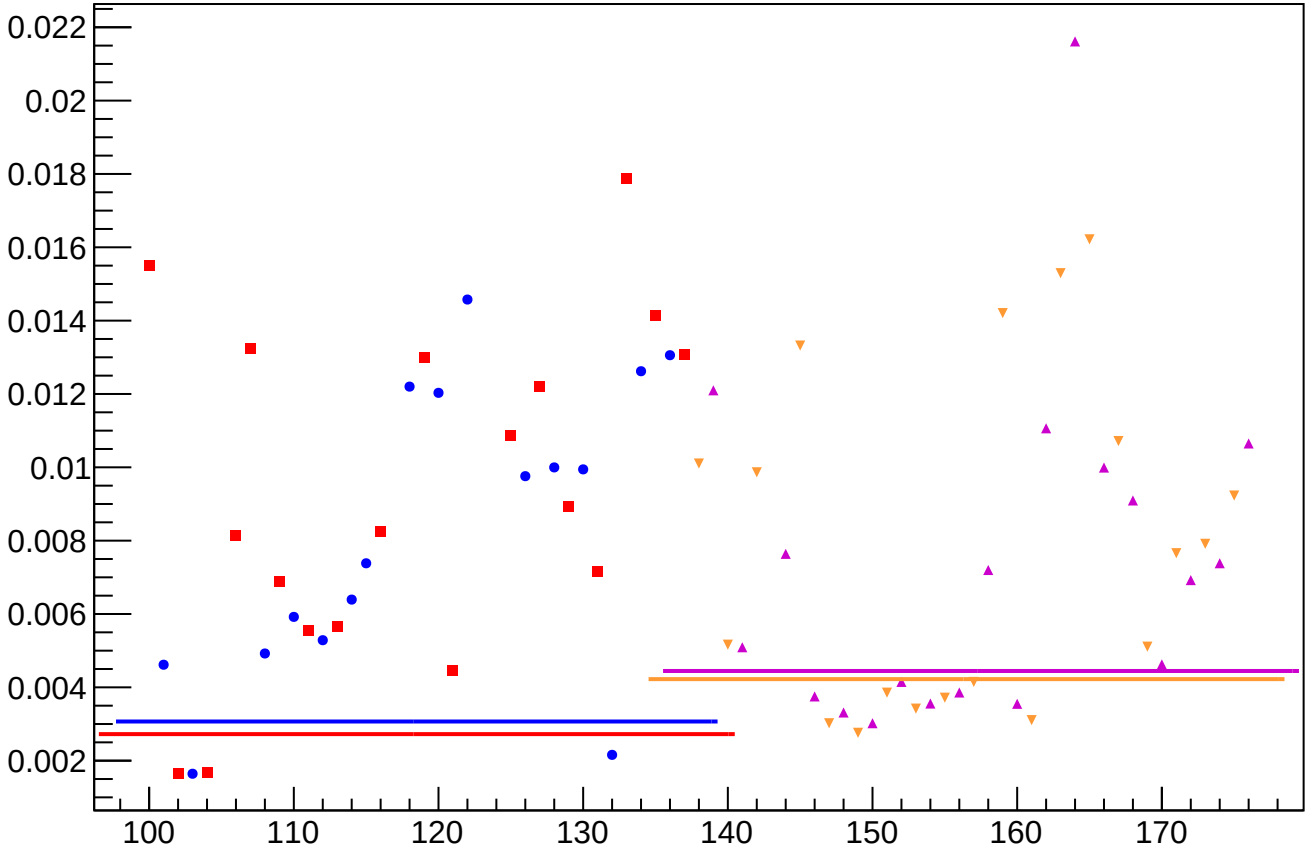
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:25.8/34

Out: 0.000+/-0.000 χ^2/NDF:49.5/36

All: 0.000+/-0.000 χ^2/NDF: 75.3/71

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:6476718.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4851265.8/18

Left: 0.004+/-0.000 χ^2/NDF: 11357399.1/37

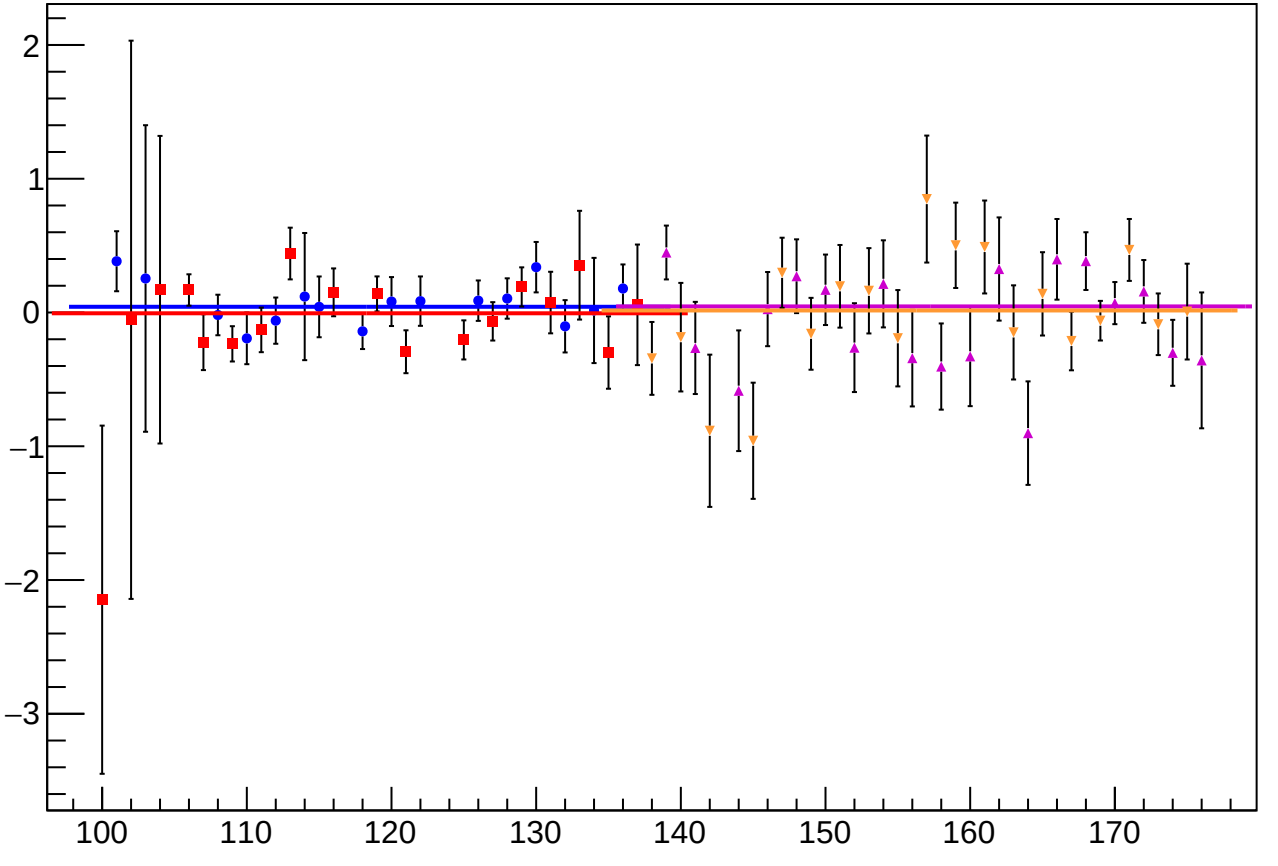
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:11714900.8/34

Out: 0.004+/-0.000 χ^2/NDF:14445774.7/36

All: 0.004+/-0.000 χ^2/NDF: 26284817.8/71

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: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

Left: 0.031+/-0.045 χ^2/NDF: 51.2/37

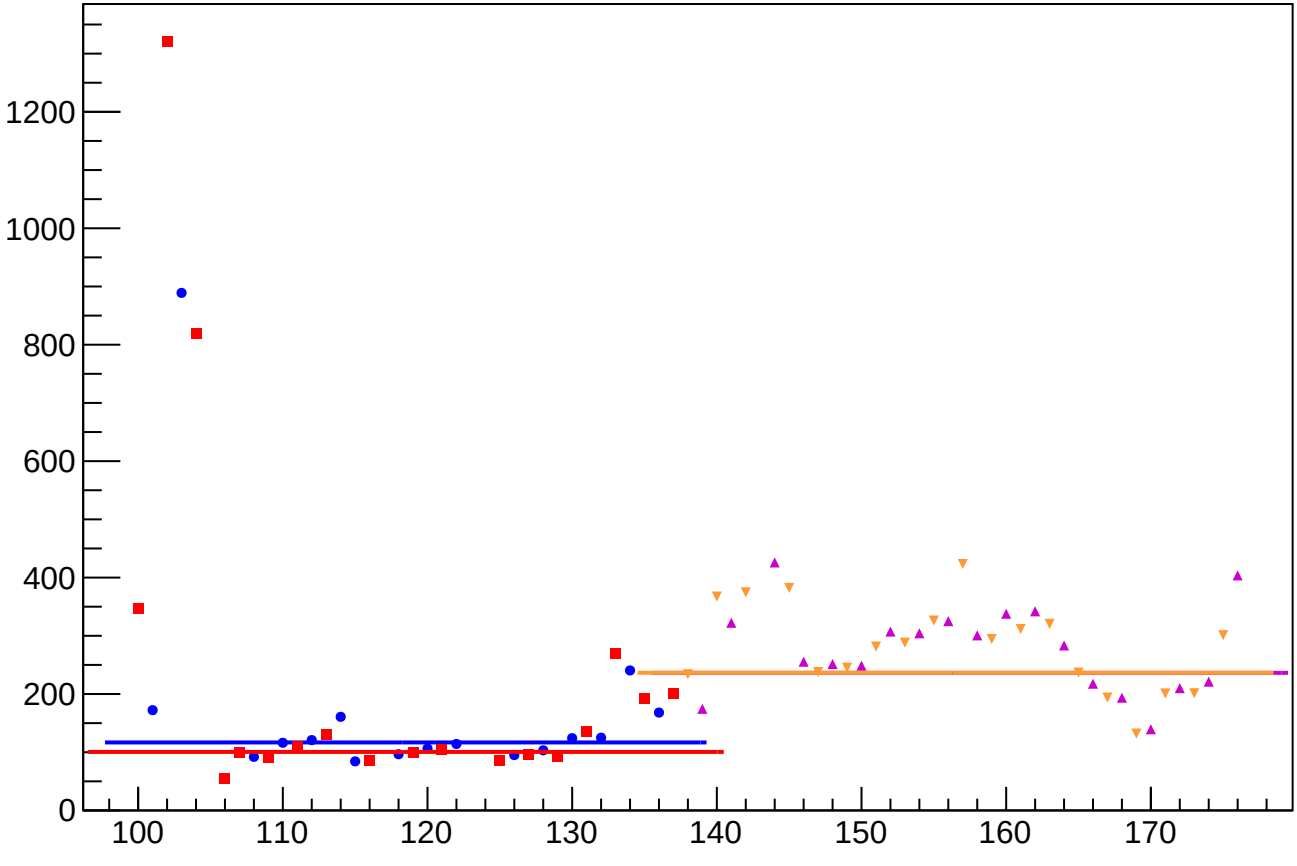
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.021+/-0.026 χ^2/NDF: 88.1/71

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: 236.507+/-0.046 χ^2/NDF:2584342.0/18

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

Left: 236.436+/-0.032 χ^2/NDF: 5071489.8/37

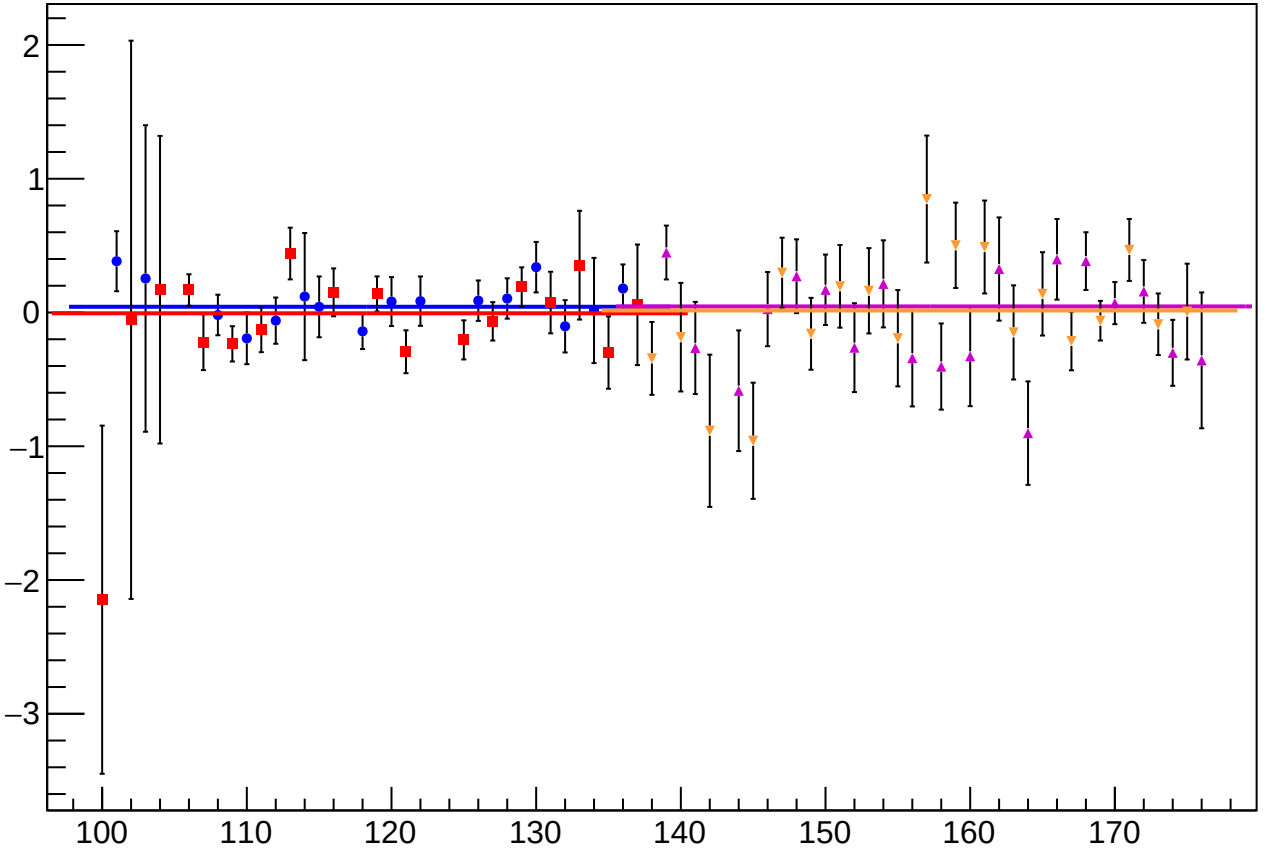
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 159.496+/-0.027 χ^2/NDF:8633855.5/34

Out: 142.475+/-0.026 χ^2/NDF:11307655.8/36

All: 150.529+/-0.019 χ^2/NDF: 20152175.3/71

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: 0.015+/-0.065 χ^2/NDF:25.0/18

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

Left: 0.031+/-0.045 χ^2/NDF: 51.2/37

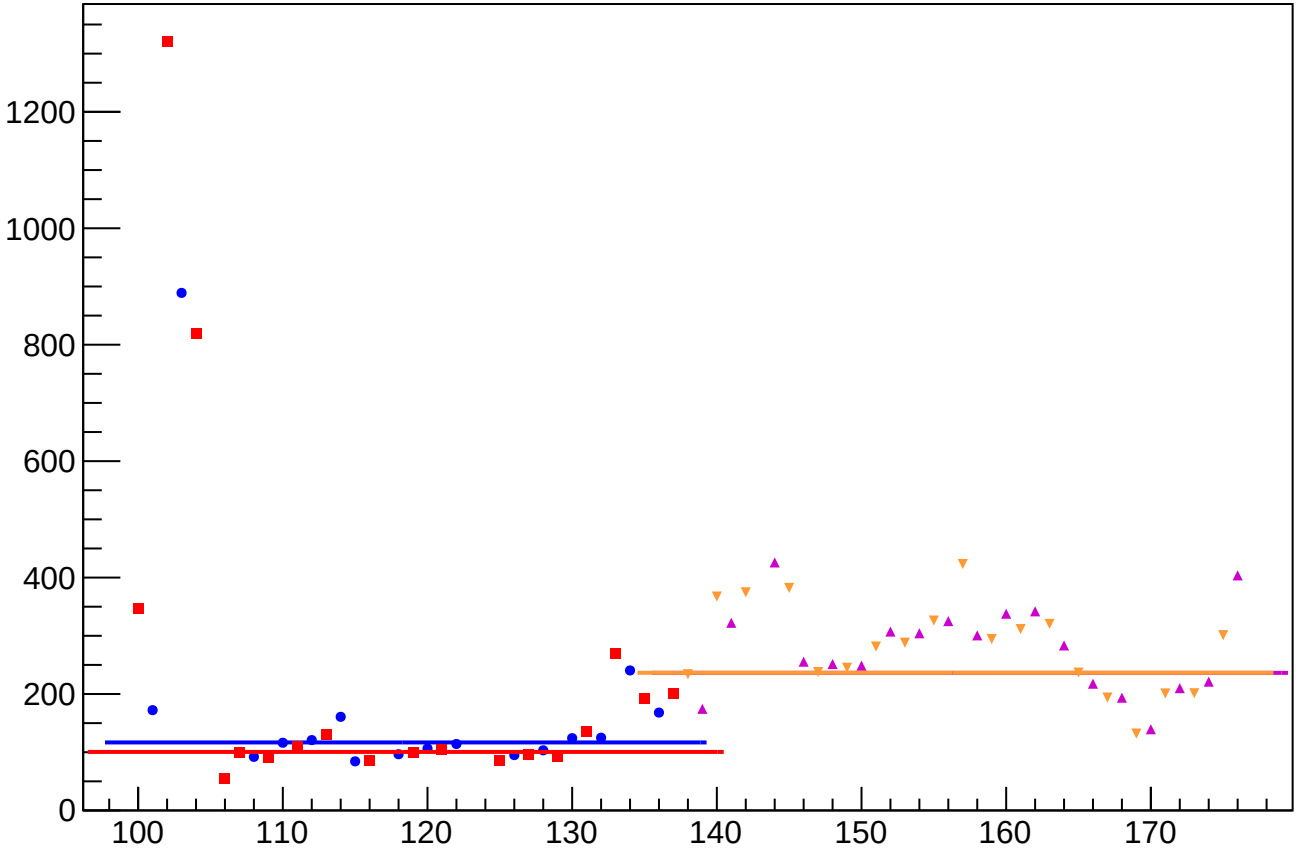
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: 0.001+/-0.036 χ^2/NDF:51.1/36

All: 0.021+/-0.026 χ^2/NDF: 88.1/71

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: 236.507+/-0.046 χ^2/NDF:2584342.0/18

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

Left: 236.436+/-0.032 χ^2/NDF: 5071489.8/37

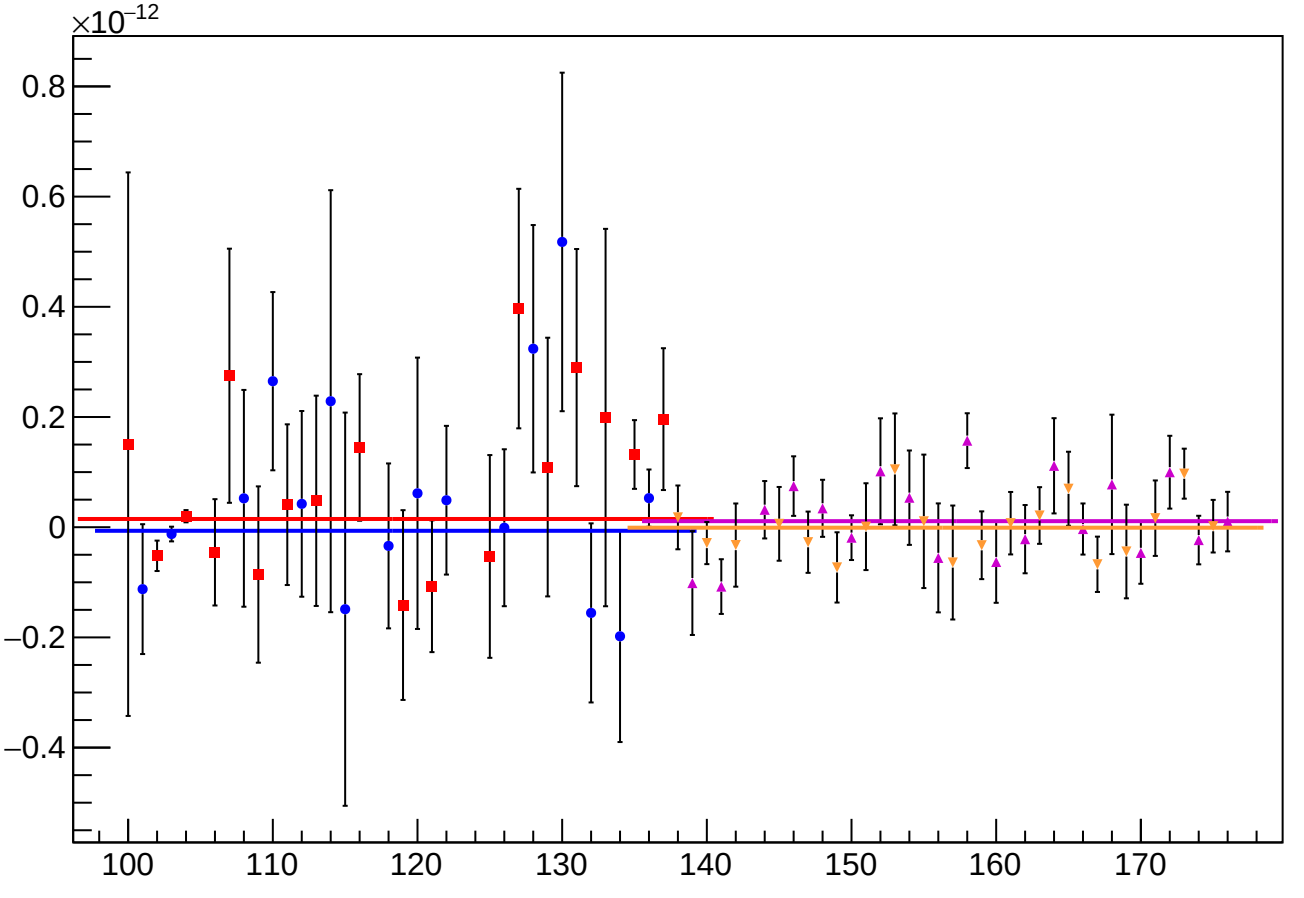
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 159.496+/-0.027 χ^2/NDF:8633855.5/34

Out: 142.475+/-0.026 χ^2/NDF:11307655.8/36

All: 150.529+/-0.019 χ^2/NDF: 20152175.3/71

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/18

Left: 0.000+/-0.000 χ^2/NDF: 38.6/37

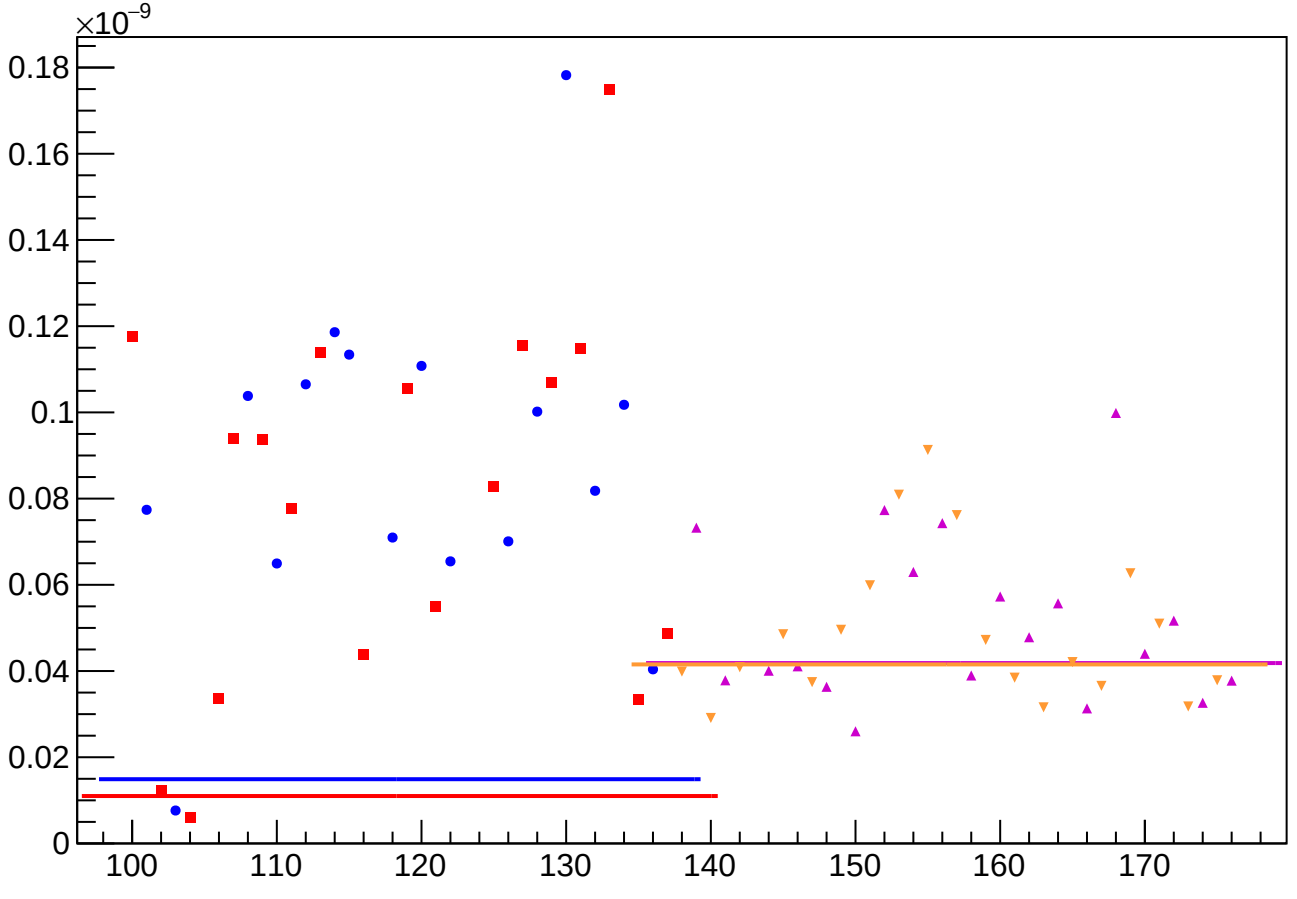
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:34.9/36

All: 0.000+/-0.000 χ^2/NDF: 75.4/71

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1632680.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2007569.8/18

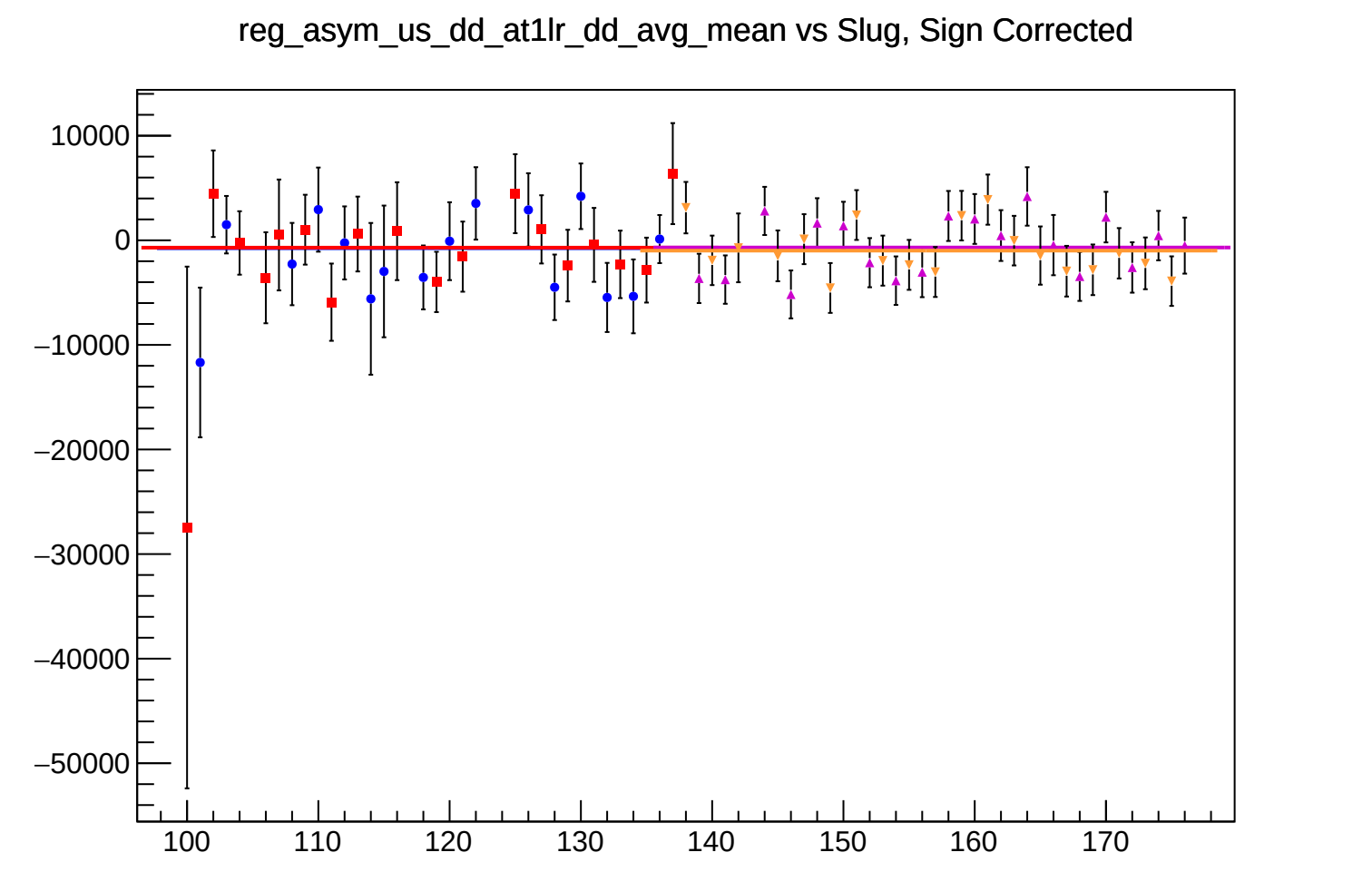
Left: 0.000+/-0.000 χ^2/NDF: 3640772.3/37

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:12190106.3/34

Out: 0.000+/-0.000 χ^2/NDF:13945454.6/36

All: 0.000+/-0.000 χ^2/NDF: 26615965.1/71



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -987.829+/-561.391 χ^2/NDF:18.0/18

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -689.947+/-553.313 χ^2/NDF:24.3/18

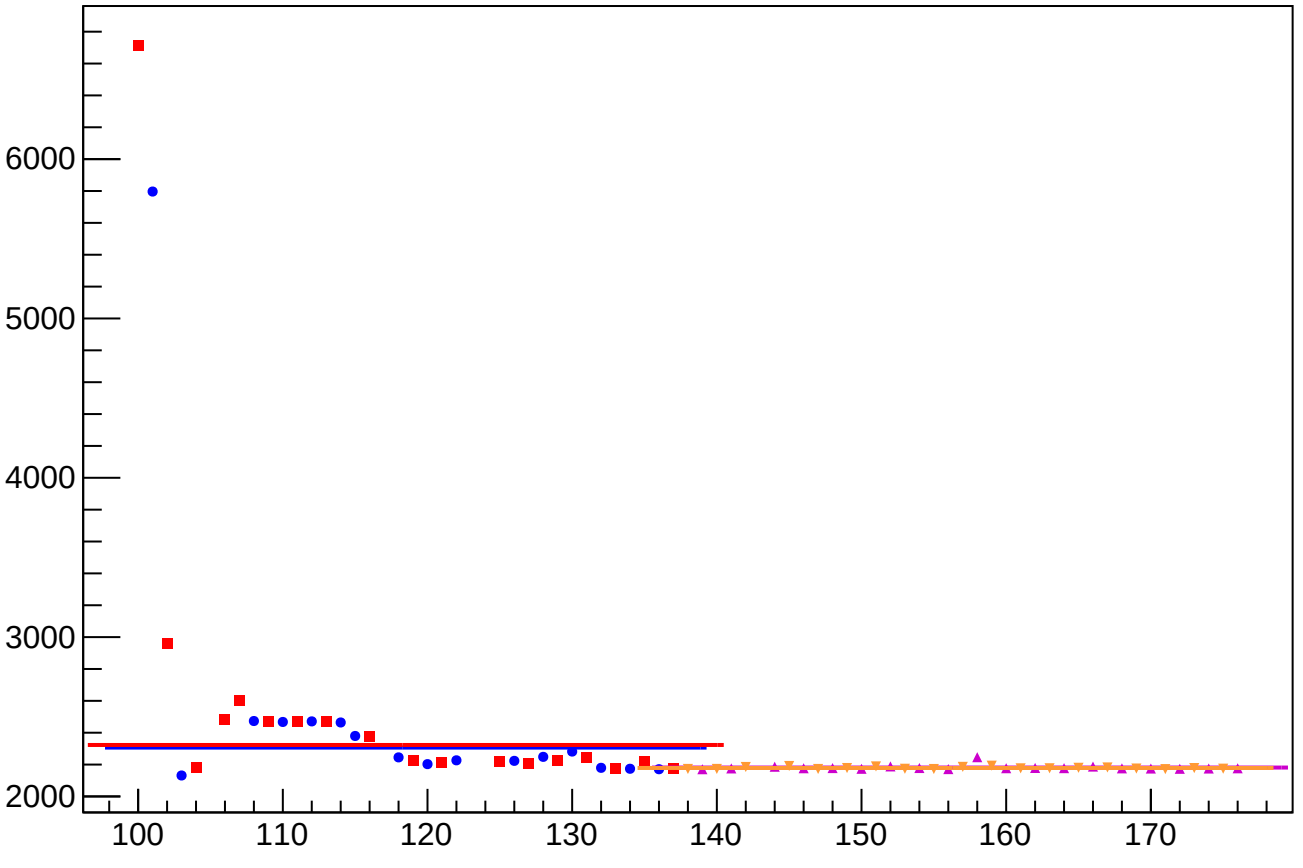
Left: -836.729+/-394.076 χ^2/NDF: 42.5/37

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -708.398+/-467.296 χ^2/NDF:40.2/34

Out: -903.676+/-471.494 χ^2/NDF:30.5/36

All: -805.163+/-331.903 χ^2/NDF: 70.8/71



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.024+/-0.279 χ^2/NDF: 2010.1/37

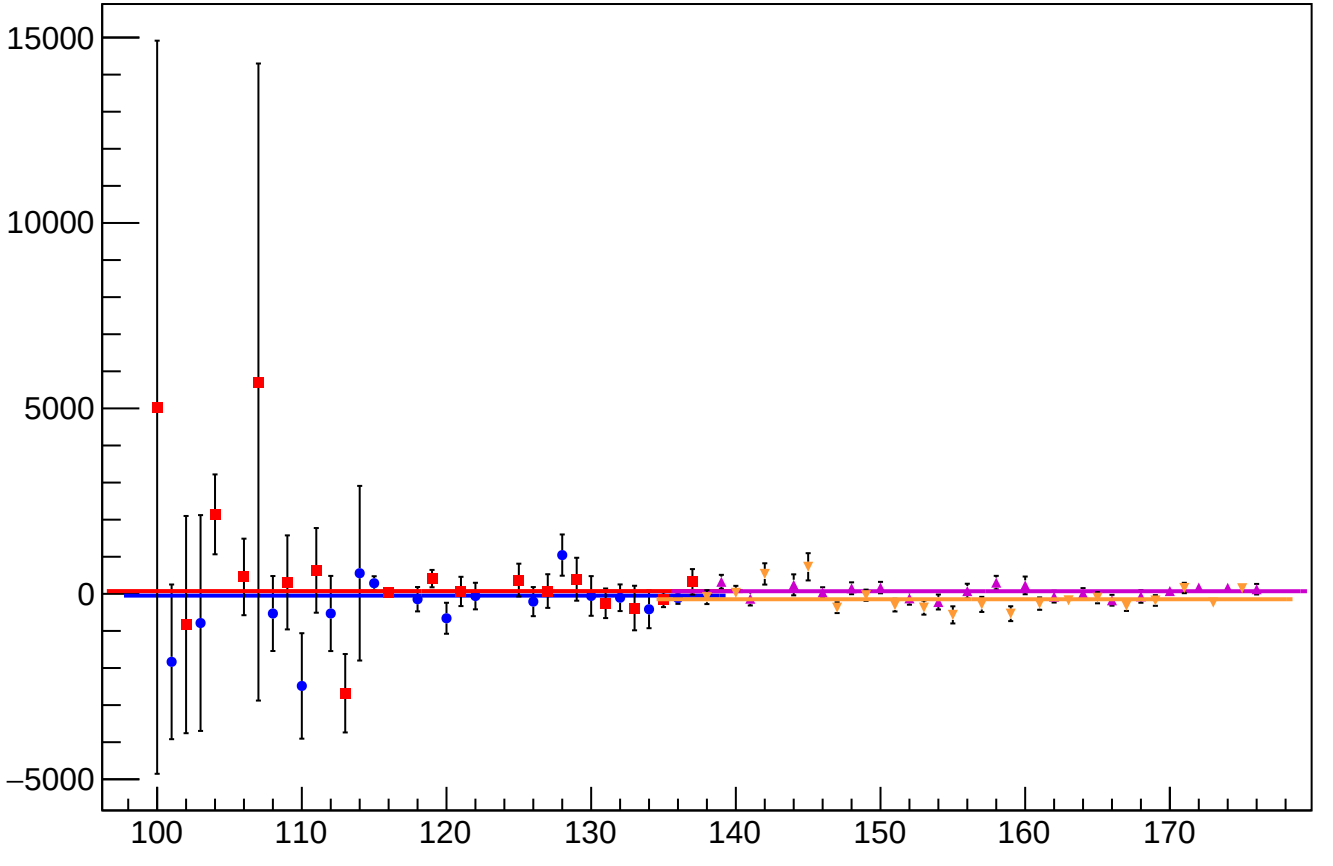
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2217.255+/-0.330 χ^2/NDF:545277.4/34

Out: 2221.211+/-0.333 χ^2/NDF:191010.7/36

All: 2219.216+/-0.235 χ^2/NDF: 736359.2/71

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: -145.947+/-36.727 χ^2/NDF:39.4/18

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 70.556+/-35.742 χ^2/NDF:15.7/18

Left: -34.755+/-25.615 χ^2/NDF: 72.9/37

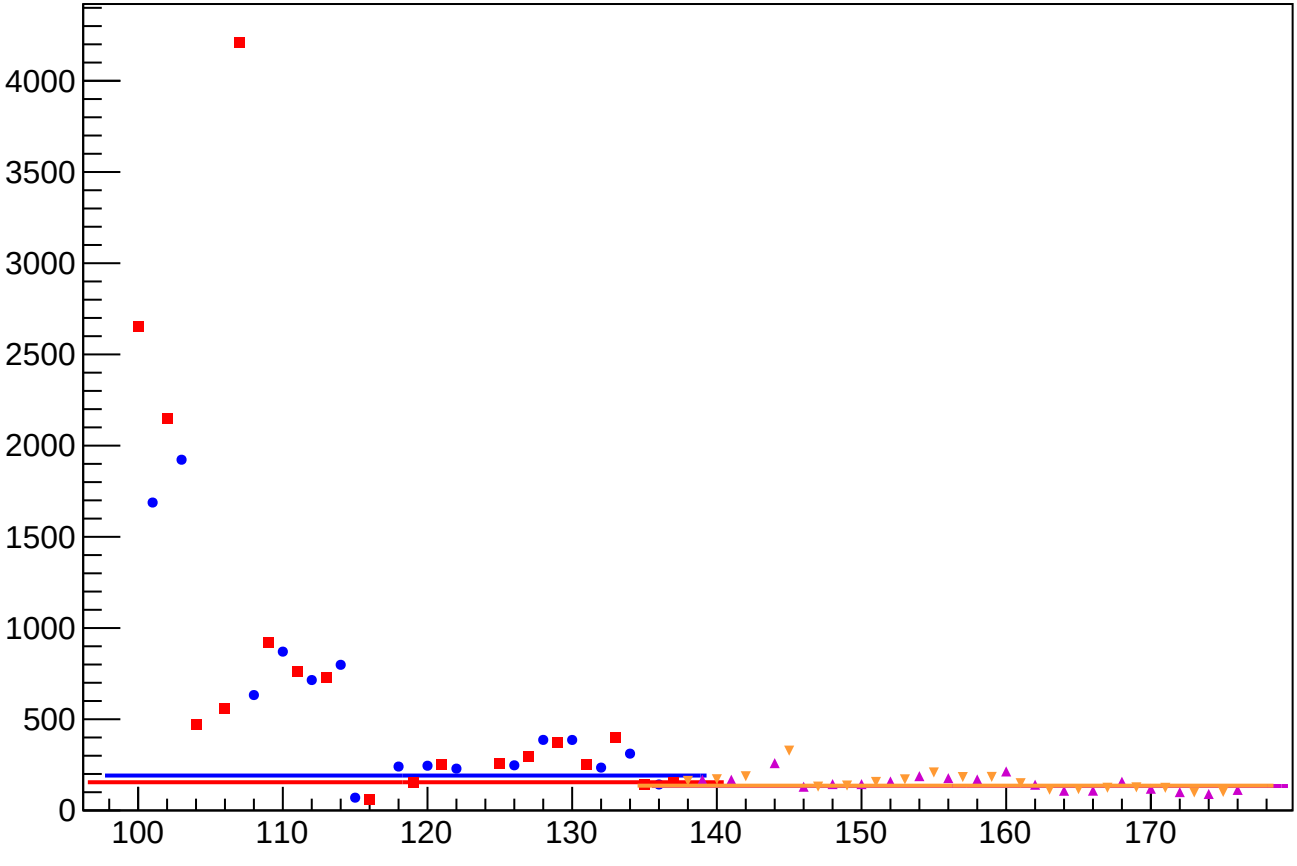
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 54.694+/-33.264 χ^2/NDF:31.5/34

Out: -109.449+/-33.545 χ^2/NDF:63.0/36

All: -26.688+/-23.620 χ^2/NDF: 106.6/71

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: 135.903+/-0.026 χ^2/NDF:1771540.5/18

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 133.971+/-0.025 χ^2/NDF:1912865.3/18

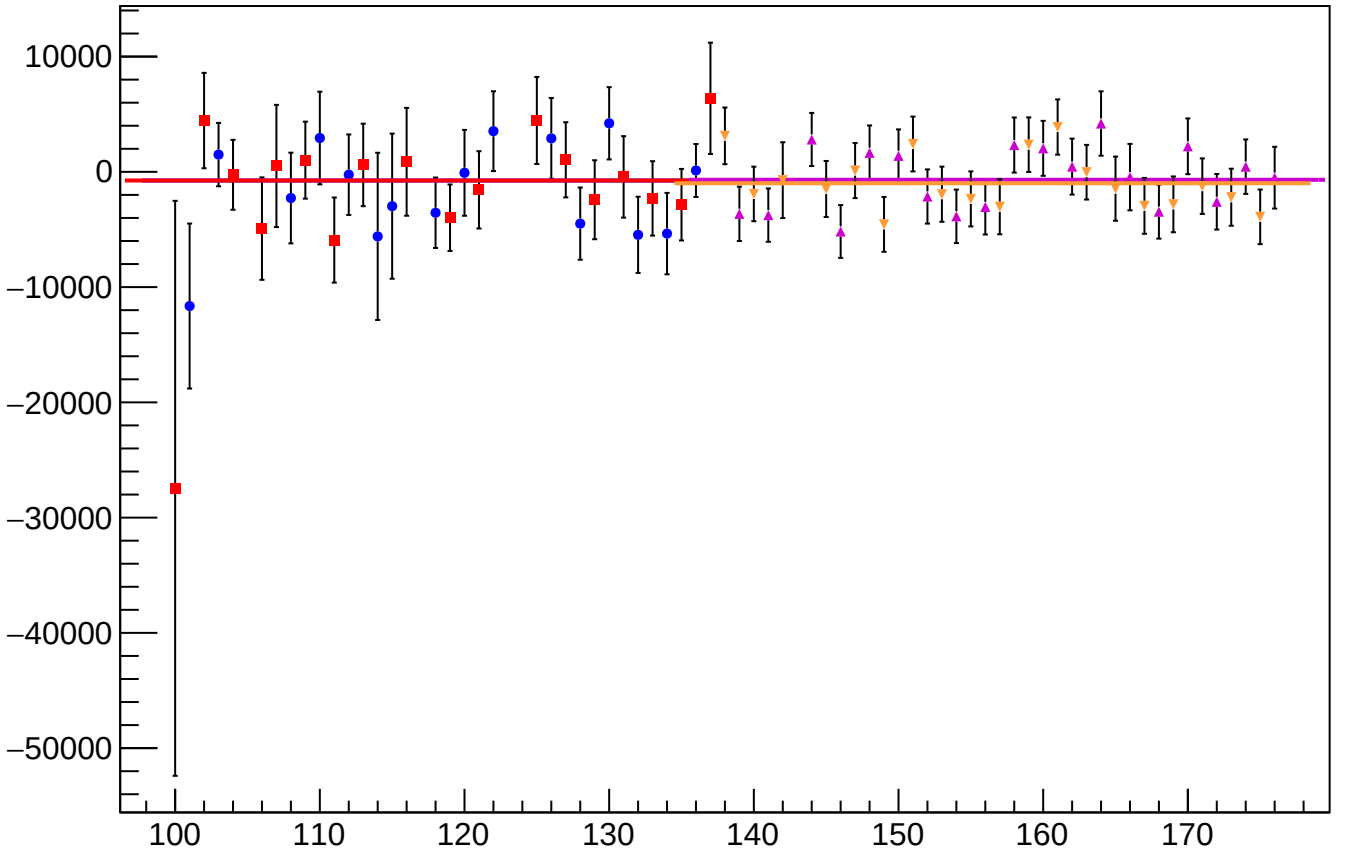
Left: 134.911+/-0.018 χ^2/NDF: 3687249.6/37

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 141.656+/-0.024 χ^2/NDF:7668362.5/34

Out: 139.016+/-0.024 χ^2/NDF:8012464.0/36

All: 140.347+/-0.017 χ^2/NDF: 15687075.3/71



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -689.896+/-553.313 χ^2/NDF:24.3/18

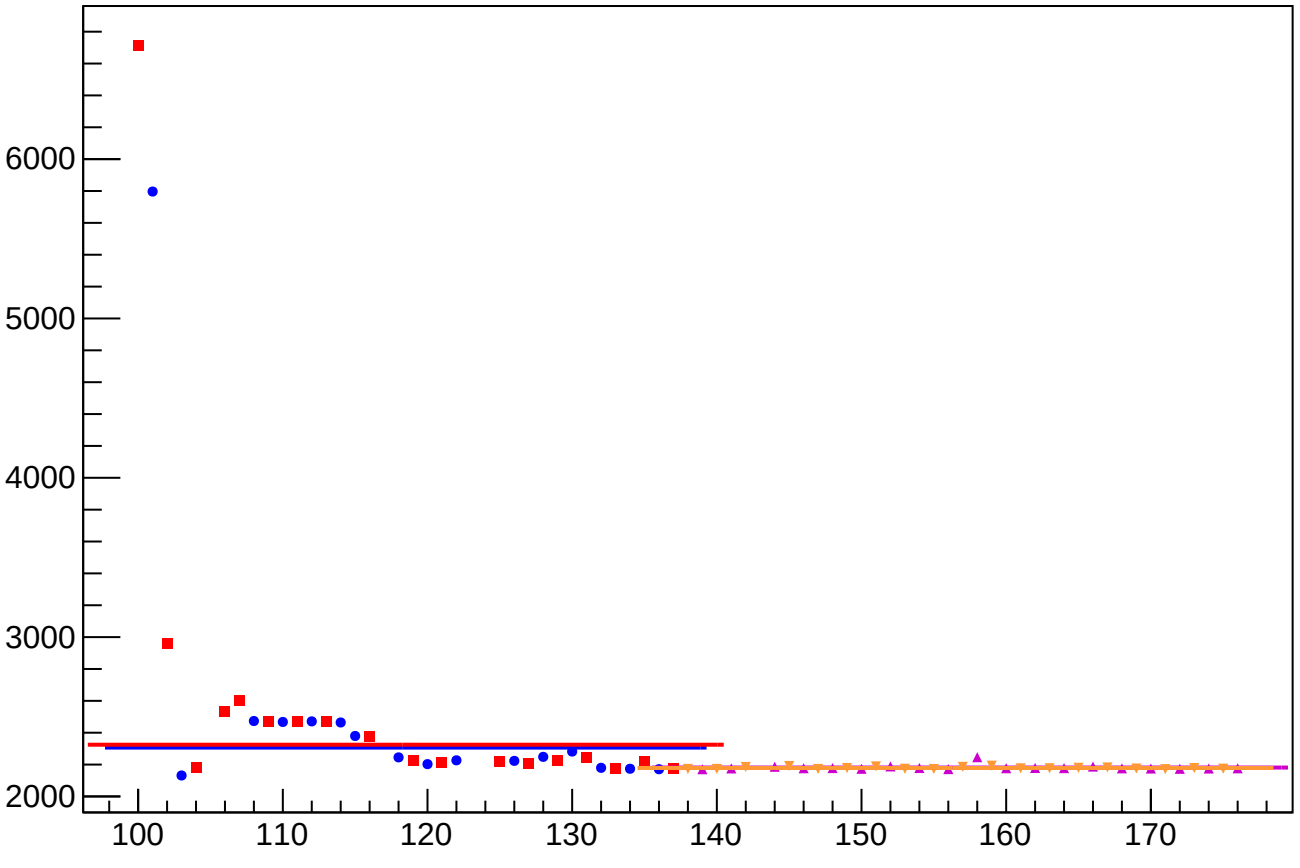
Left: -836.694+/-394.076 χ^2/NDF: 42.5/37

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -708.083+/-467.296 χ^2/NDF:40.2/34

Out: -917.626+/-471.609 χ^2/NDF:30.9/36

All: -811.892+/-331.943 χ^2/NDF: 71.2/71



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.024+/-0.279 χ^2/NDF: 2010.1/37

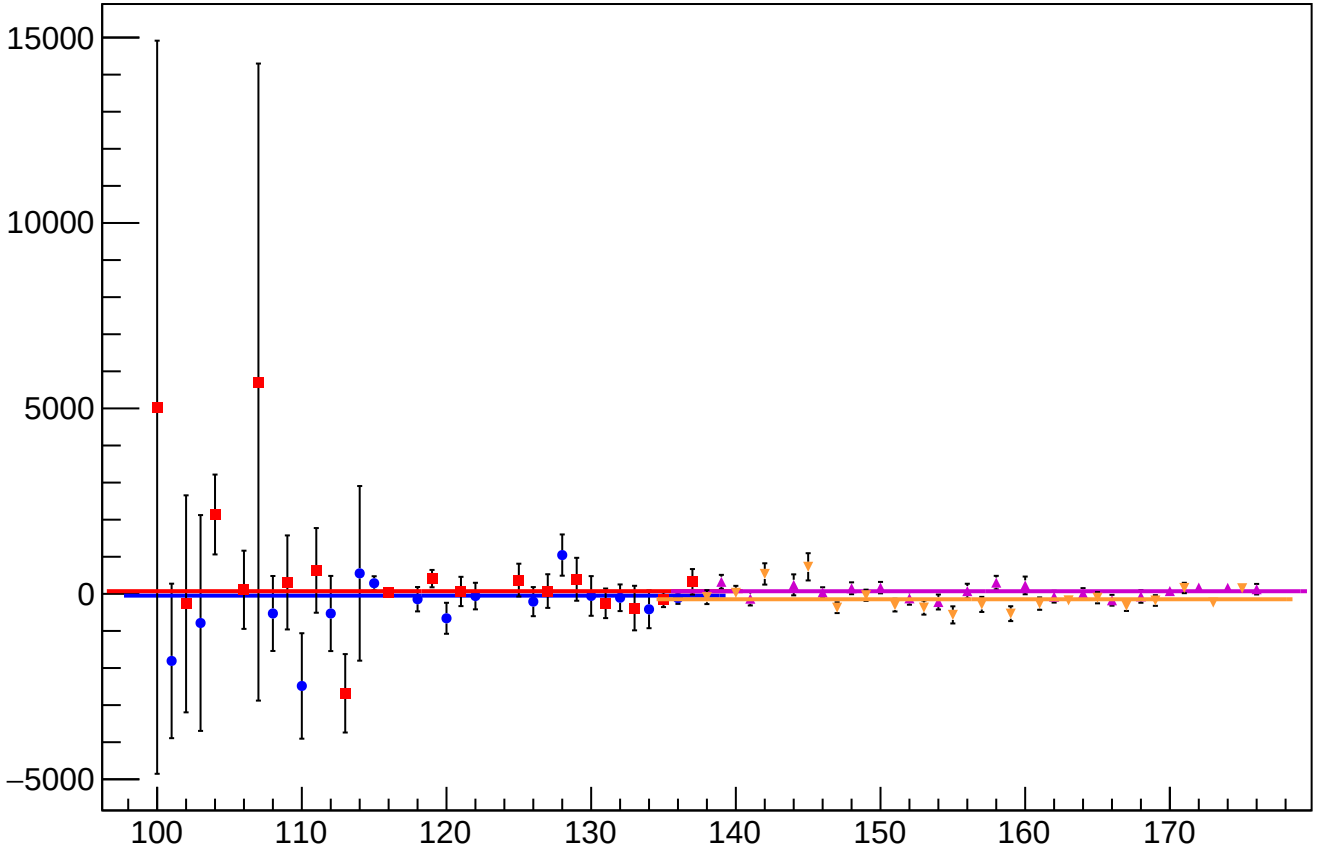
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2217.255+/-0.330 χ^2/NDF:545277.7/34

Out: 2221.655+/-0.333 χ^2/NDF:193664.4/36

All: 2219.435+/-0.235 χ^2/NDF: 739030.0/71

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.914+/-36.729 χ^2/NDF:39.4/18

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 70.543+/-35.745 χ^2/NDF:15.7/18

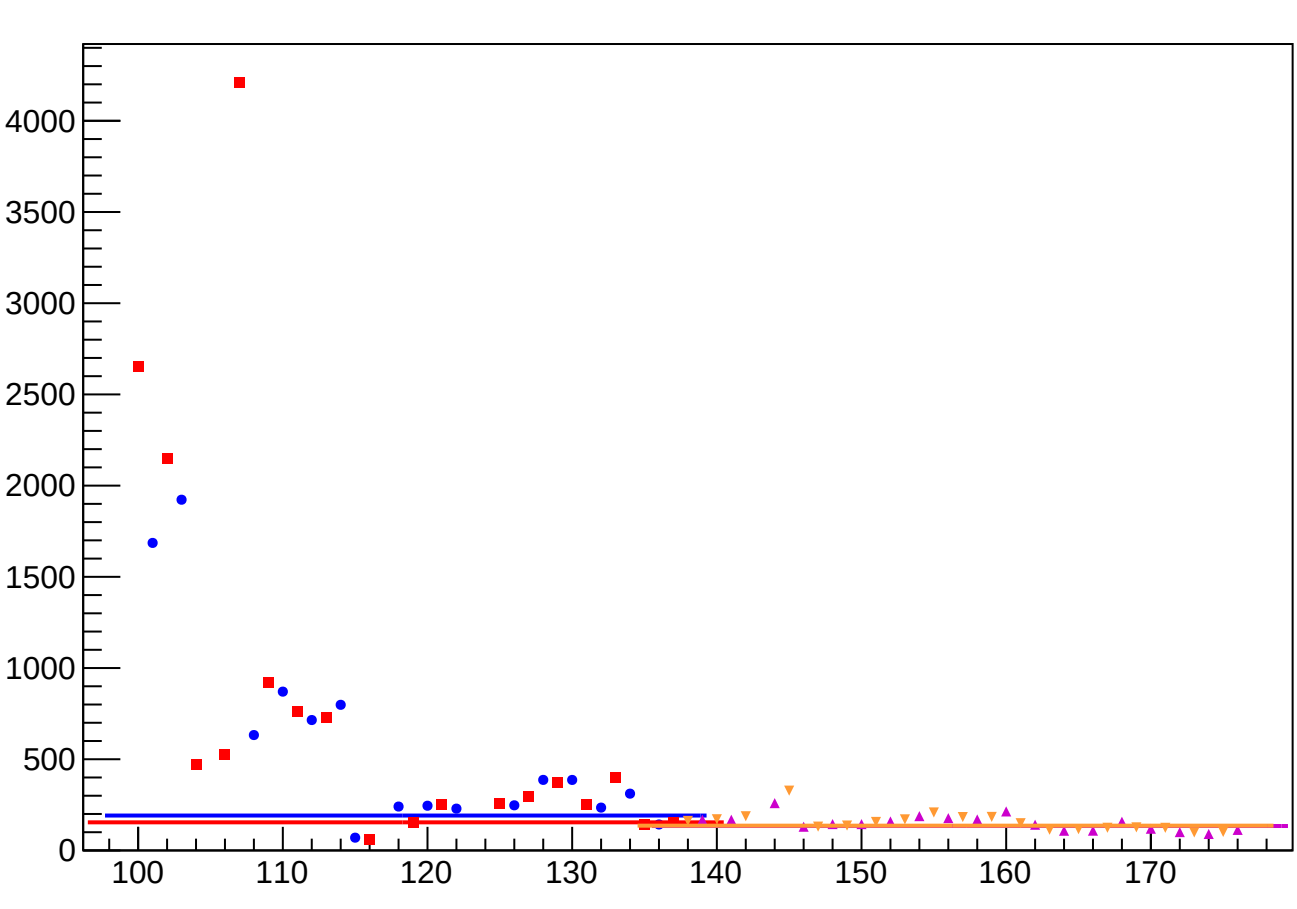
Left: -34.747+/-25.616 χ^2/NDF: 72.9/37

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.679+/-33.267 χ^2/NDF:31.5/34

Out: -109.704+/-33.542 χ^2/NDF:62.6/36

All: -26.835+/-23.620 χ^2/NDF: 106.3/71



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

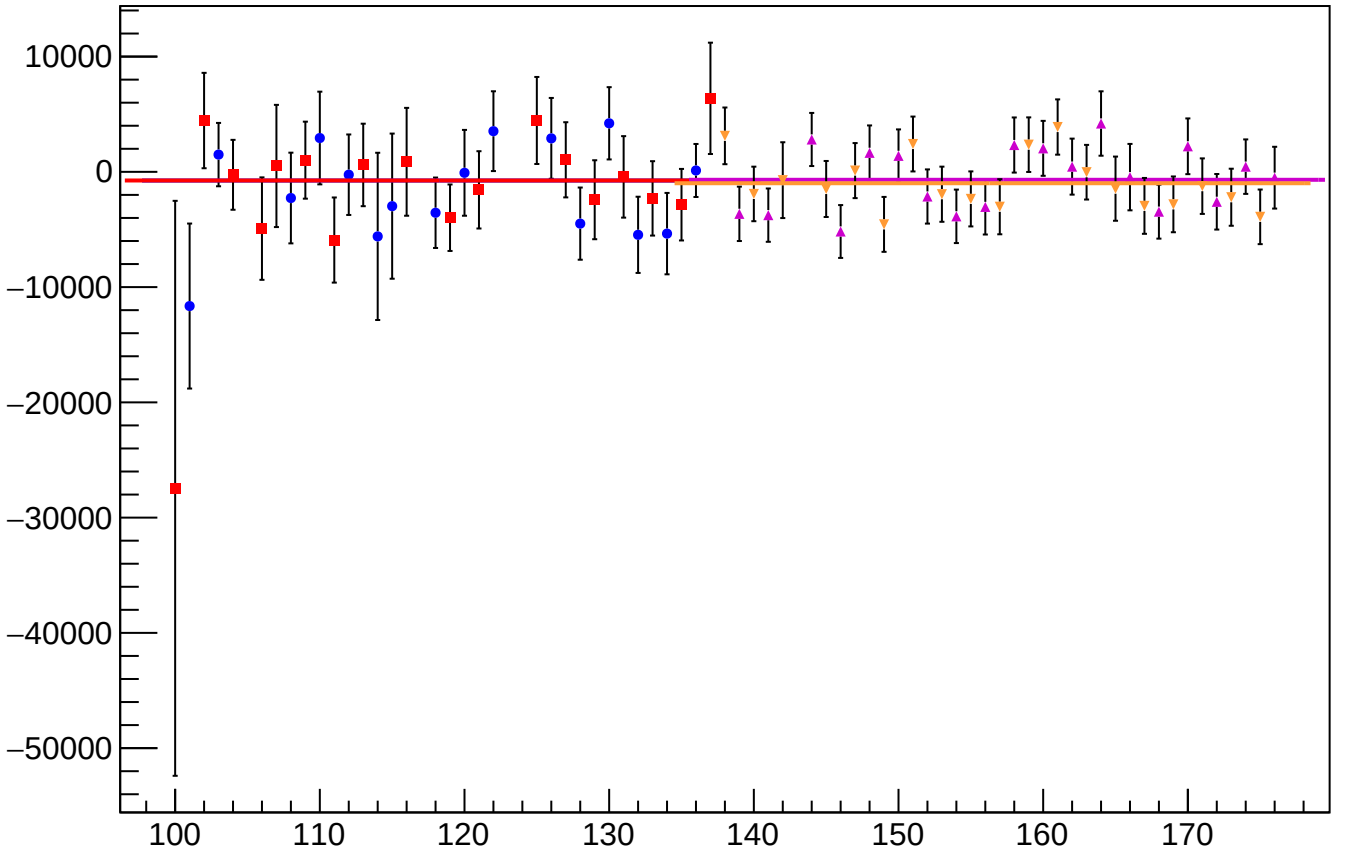
Left: 134.921+/-0.018 χ^2/NDF: 3686943.9/37

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 141.669+/-0.024 χ^2/NDF:7667641.3/34

Out: 138.935+/-0.024 χ^2/NDF:7961327.7/36

All: 140.313+/-0.017 χ^2/NDF: 15635665.9/71



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -987.810+/-561.391 χ^2/NDF:18.0/18

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -689.896+/-553.313 χ^2/NDF:24.3/18

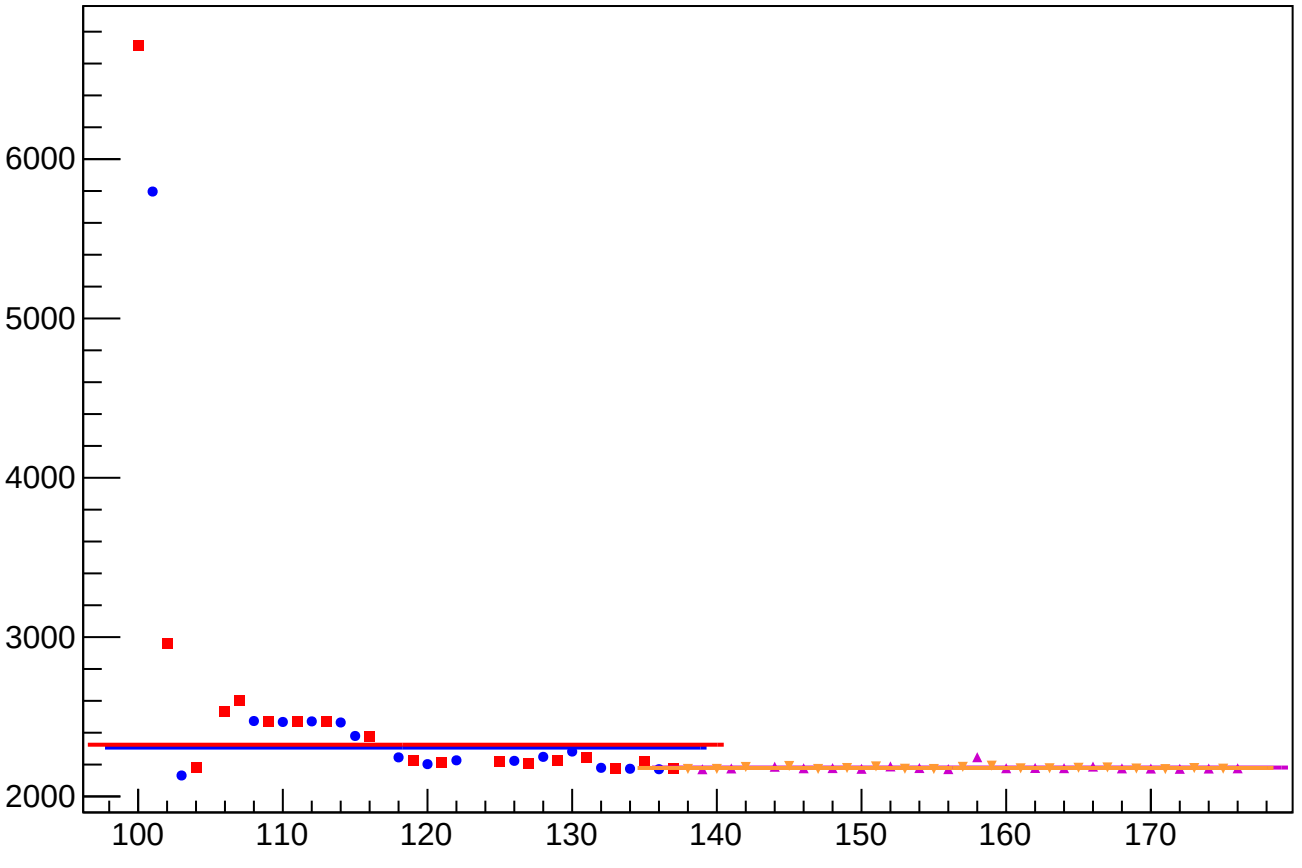
Left: -836.694+/-394.076 χ^2/NDF: 42.5/37

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -708.083+/-467.296 χ^2/NDF:40.2/34

Out: -917.626+/-471.609 χ^2/NDF:30.9/36

All: -811.892+/-331.943 χ^2/NDF: 71.2/71



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.692+/-0.397 χ^2/NDF:282.2/18

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.024+/-0.279 χ^2/NDF: 2010.1/37

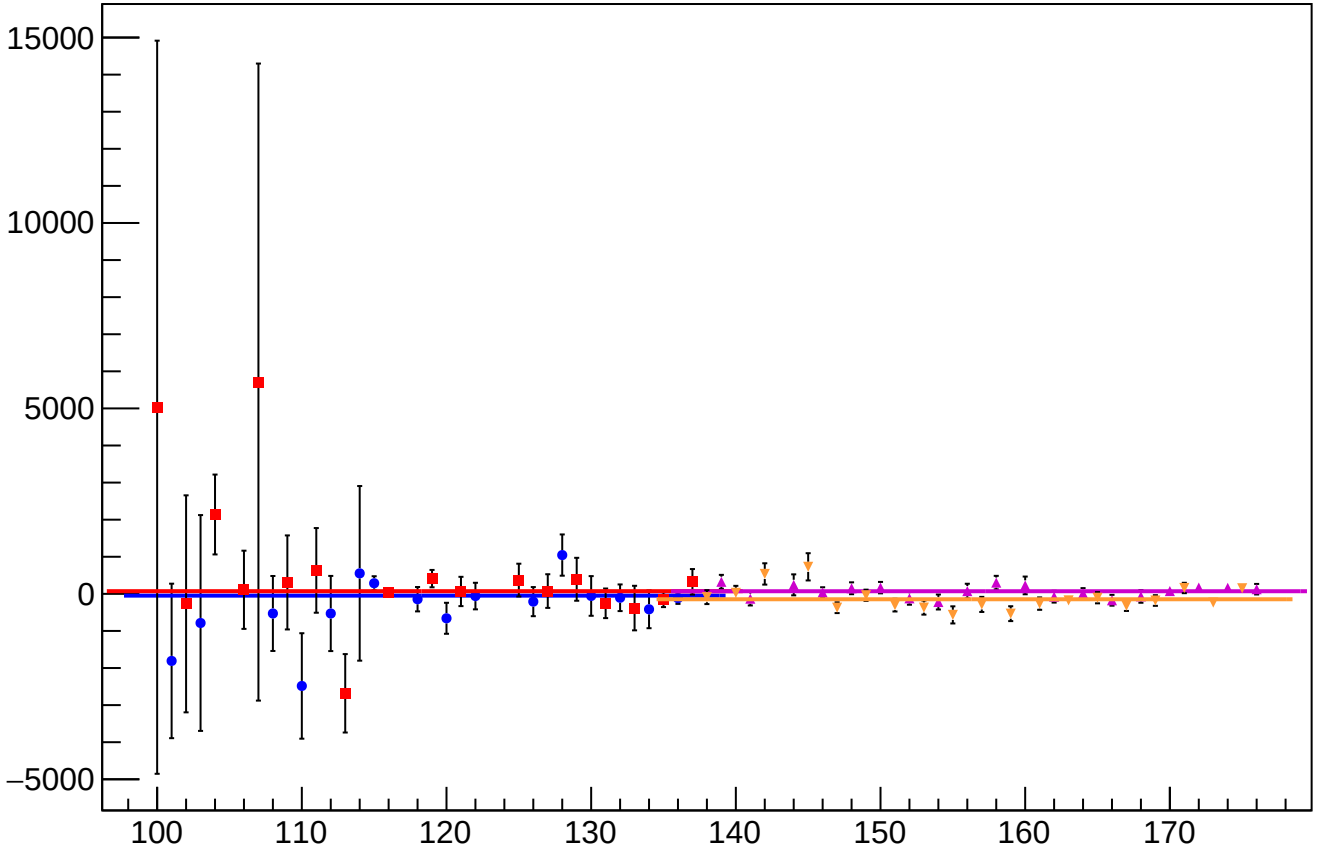
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2217.255+/-0.330 χ^2/NDF:545277.7/34

Out: 2221.655+/-0.333 χ^2/NDF:193664.4/36

All: 2219.435+/-0.235 χ^2/NDF: 739030.0/71

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: -145.914+/-36.729 χ^2/NDF:39.4/18

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 70.543+/-35.745 χ^2/NDF:15.7/18

Left: -34.747+/-25.616 χ^2/NDF: 72.9/37

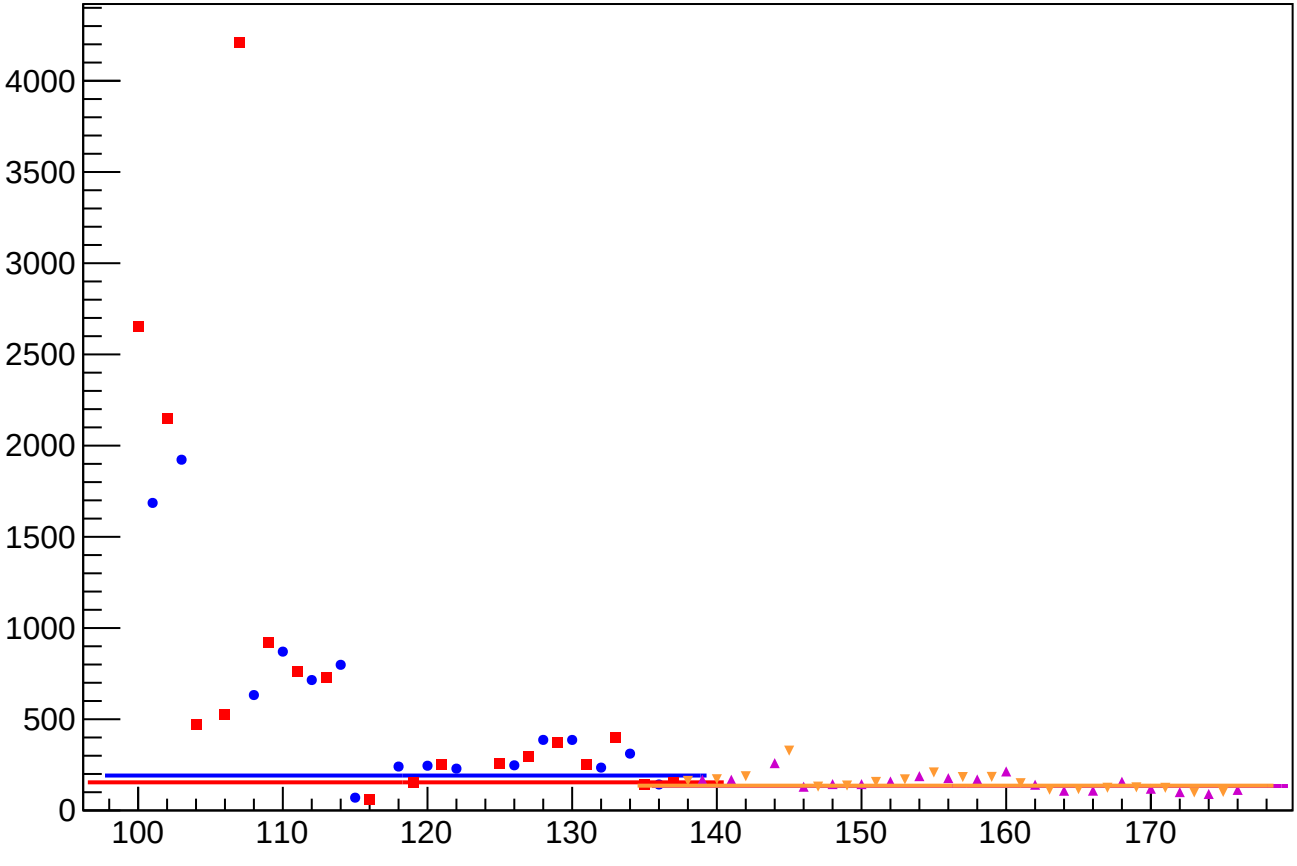
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.679+/-33.267 χ^2/NDF:31.5/34

Out: -109.704+/-33.542 χ^2/NDF:62.6/36

All: -26.835+/-23.620 χ^2/NDF: 106.3/71

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: 135.912+/-0.026 χ^2/NDF:1771058.8/18

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

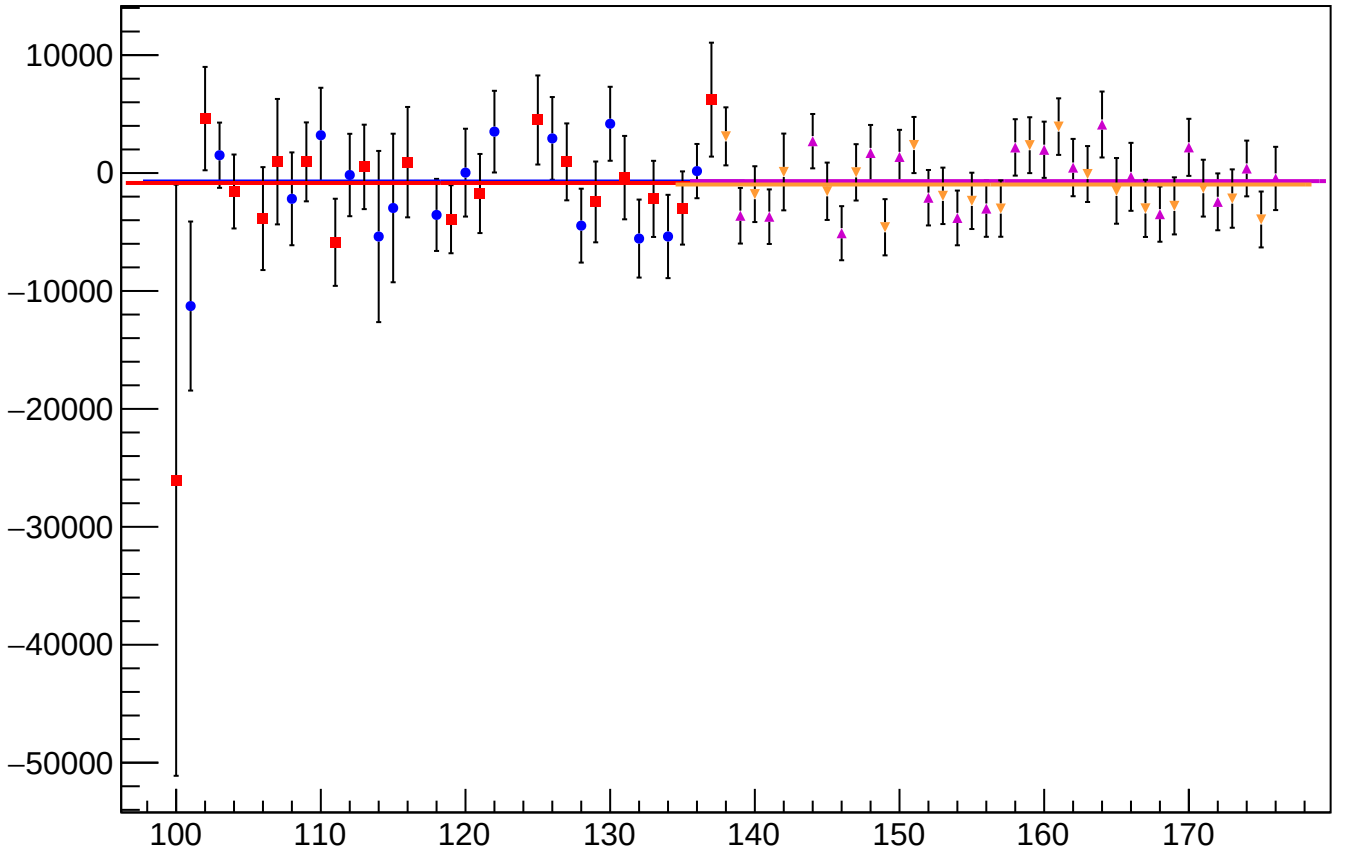
Left: 134.921+/-0.018 χ^2/NDF: 3686943.9/37

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 141.669+/-0.024 χ^2/NDF:7667641.3/34

Out: 138.935+/-0.024 χ^2/NDF:7961327.7/36

All: 140.313+/-0.017 χ^2/NDF: 15635665.9/71



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.089+/-561.413 χ^2/NDF:18.2/18

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -684.425+/-553.515 χ^2/NDF:23.5/18

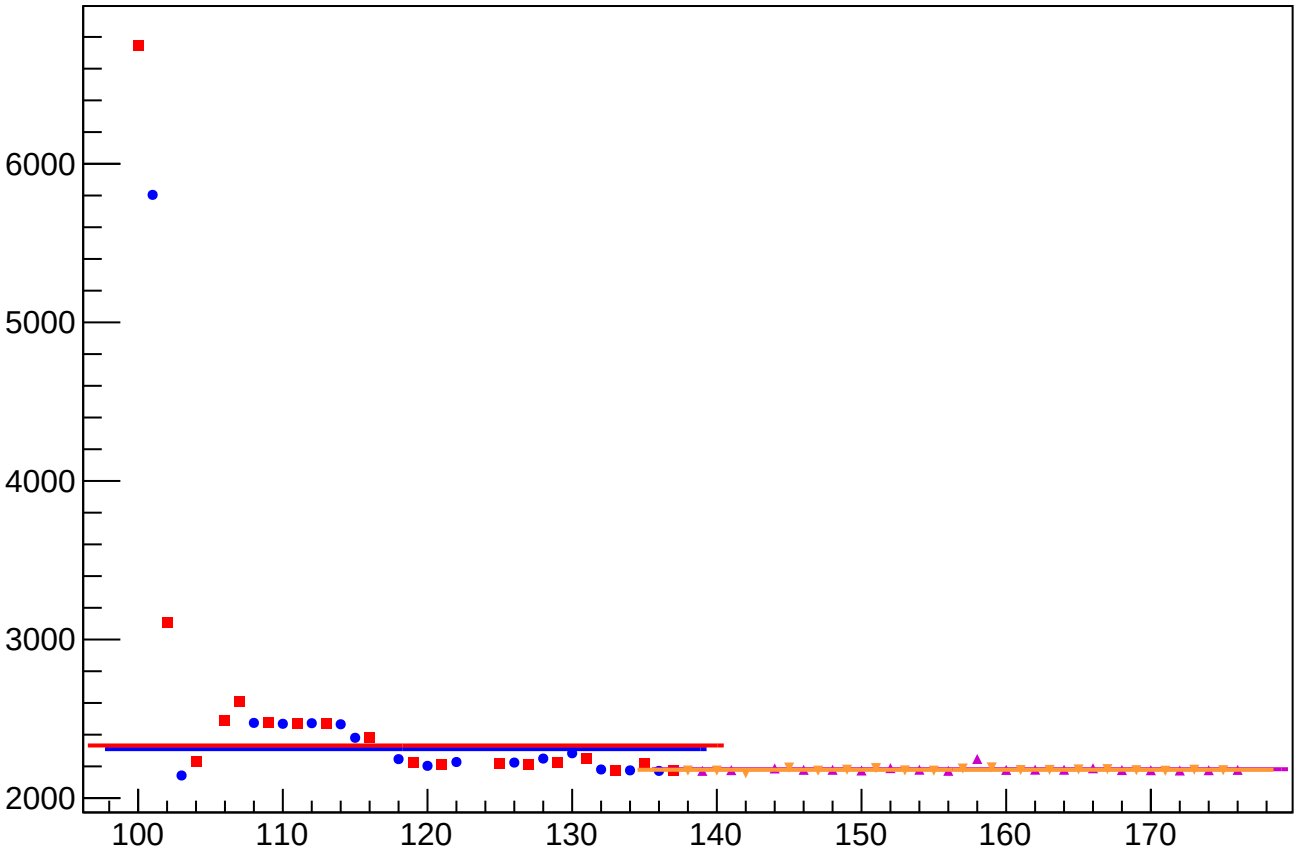
Left: -825.726+/-394.157 χ^2/NDF: 41.8/37

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -693.796+/-467.554 χ^2/NDF:39.3/34

Out: -933.404+/-472.292 χ^2/NDF:30.3/36

All: -812.392+/-332.273 χ^2/NDF: 69.8/71



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

Left: 2180.384+/-0.279 χ^2/NDF: 2109.6/37

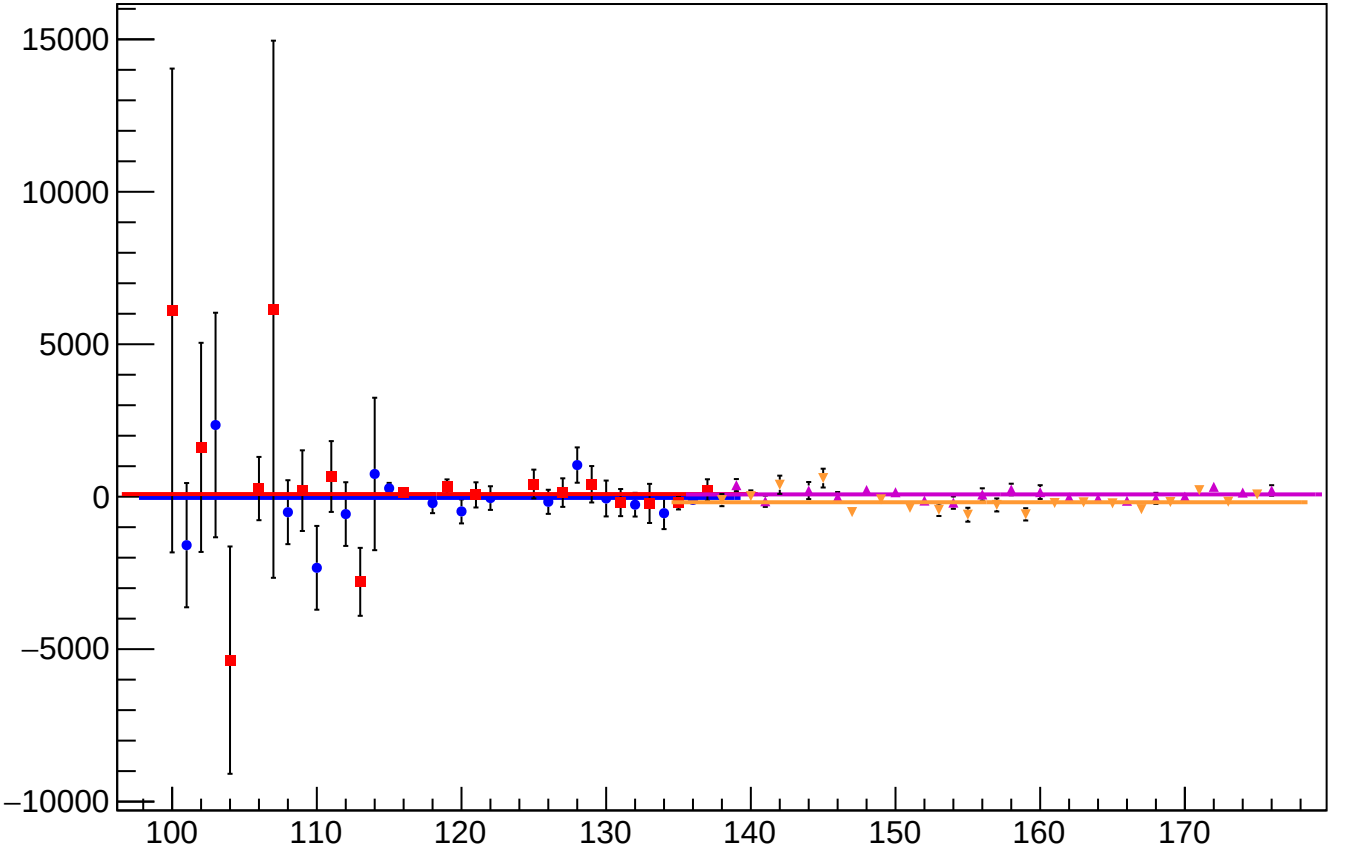
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2218.390+/-0.331 χ^2/NDF:545425.6/34

Out: 2223.396+/-0.334 χ^2/NDF:211250.0/36

All: 2220.868+/-0.235 χ^2/NDF: 756789.1/71

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: -182.096+/-37.803 χ^2/NDF:39.6/18

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 75.577+/-37.090 χ^2/NDF:18.4/18

Left: -50.806+/-26.475 χ^2/NDF: 81.7/37

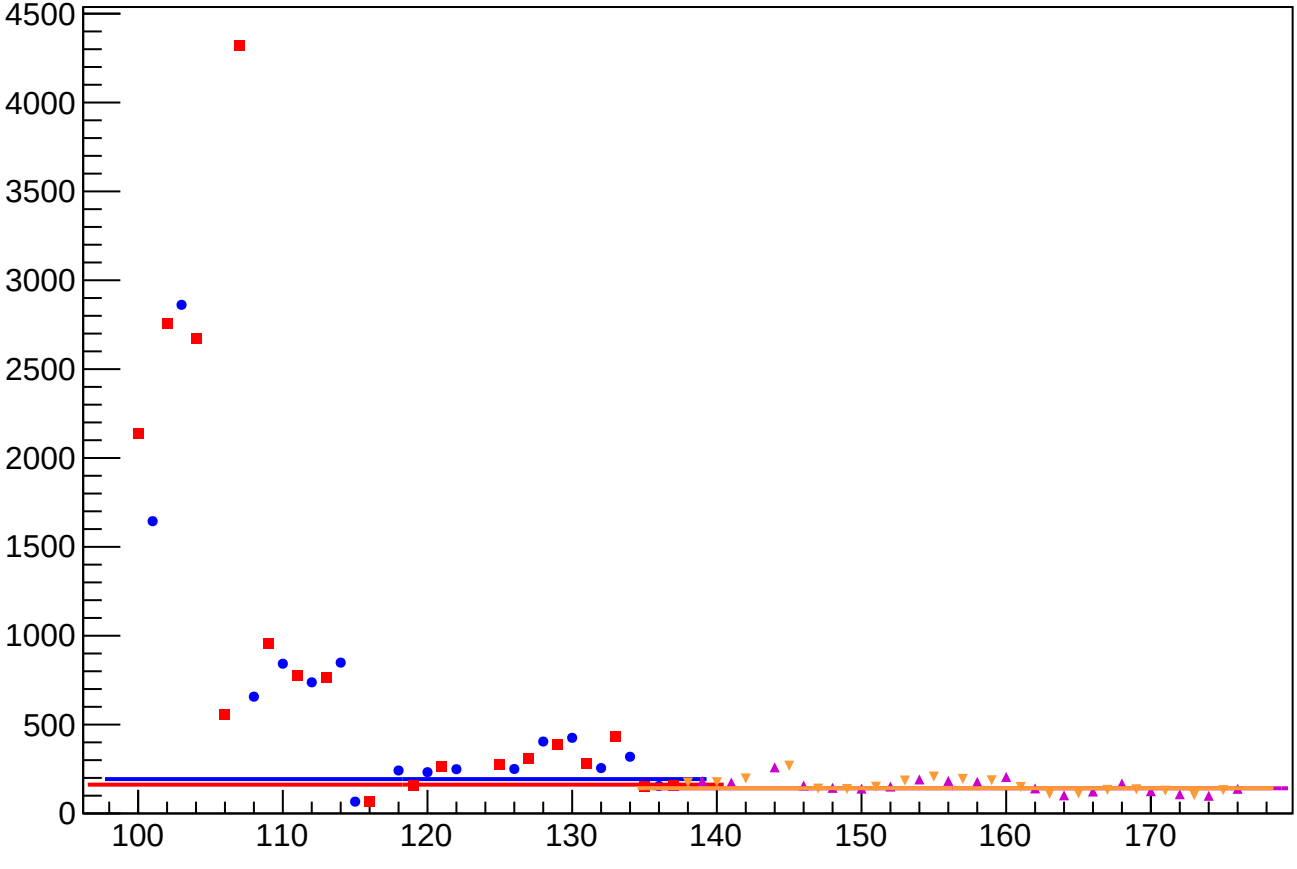
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 59.525+/-34.421 χ^2/NDF:33.8/34

Out: -138.696+/-34.613 χ^2/NDF:62.7/36

All: -39.033+/-24.407 χ^2/NDF: 113.0/71

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: 142.119+/-0.027 χ^2/NDF:1476931.9/18

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 141.562+/-0.026 χ^2/NDF:1694117.0/18

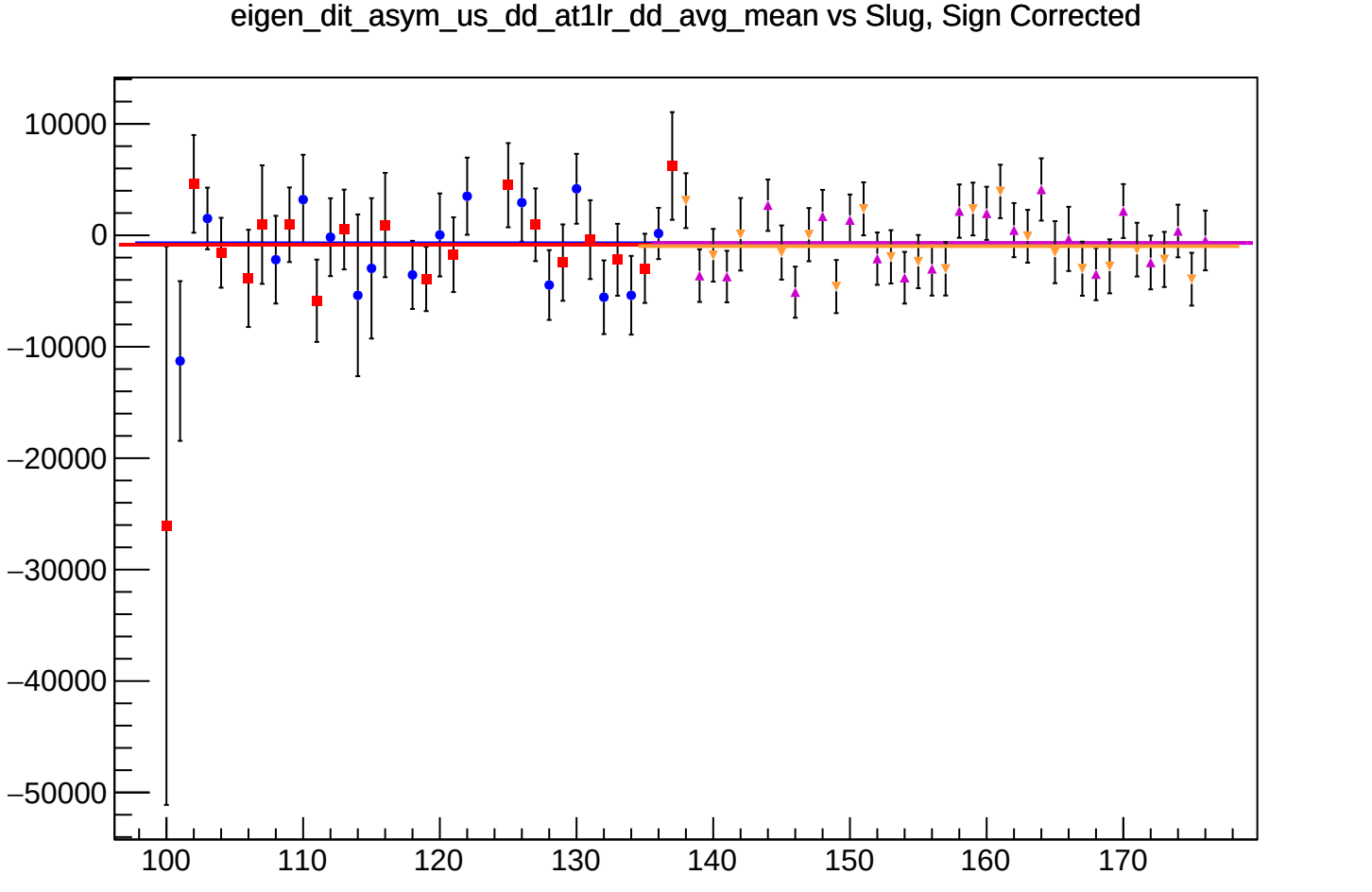
Left: 141.835+/-0.019 χ^2/NDF: 3171270.4/37

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 148.734+/-0.024 χ^2/NDF:7850976.5/34

Out: 145.352+/-0.024 χ^2/NDF:8637867.0/36

All: 147.052+/-0.017 χ^2/NDF: 16498446.4/71



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -971.091+/-561.413 χ^2/NDF:18.2/18

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -684.424+/-553.515 χ^2/NDF:23.5/18

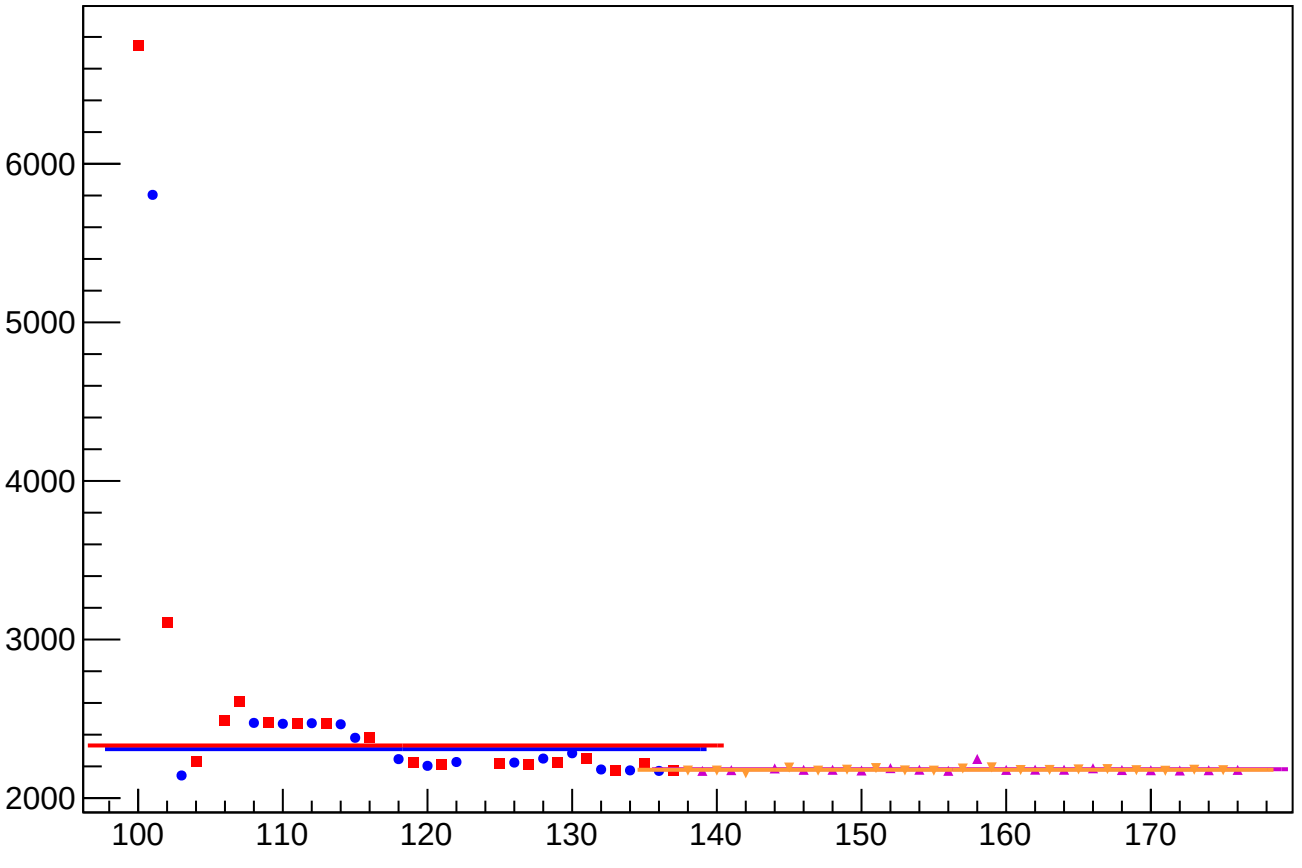
Left: -825.727+/-394.157 χ^2/NDF: 41.8/37

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -693.796+/-467.554 χ^2/NDF:39.3/34

Out: -933.406+/-472.292 χ^2/NDF:30.3/36

All: -812.393+/-332.273 χ^2/NDF: 69.8/71



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.604+/-0.397 χ^2/NDF:372.2/18

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

Left: 2180.384+/-0.279 χ^2/NDF: 2109.6/37

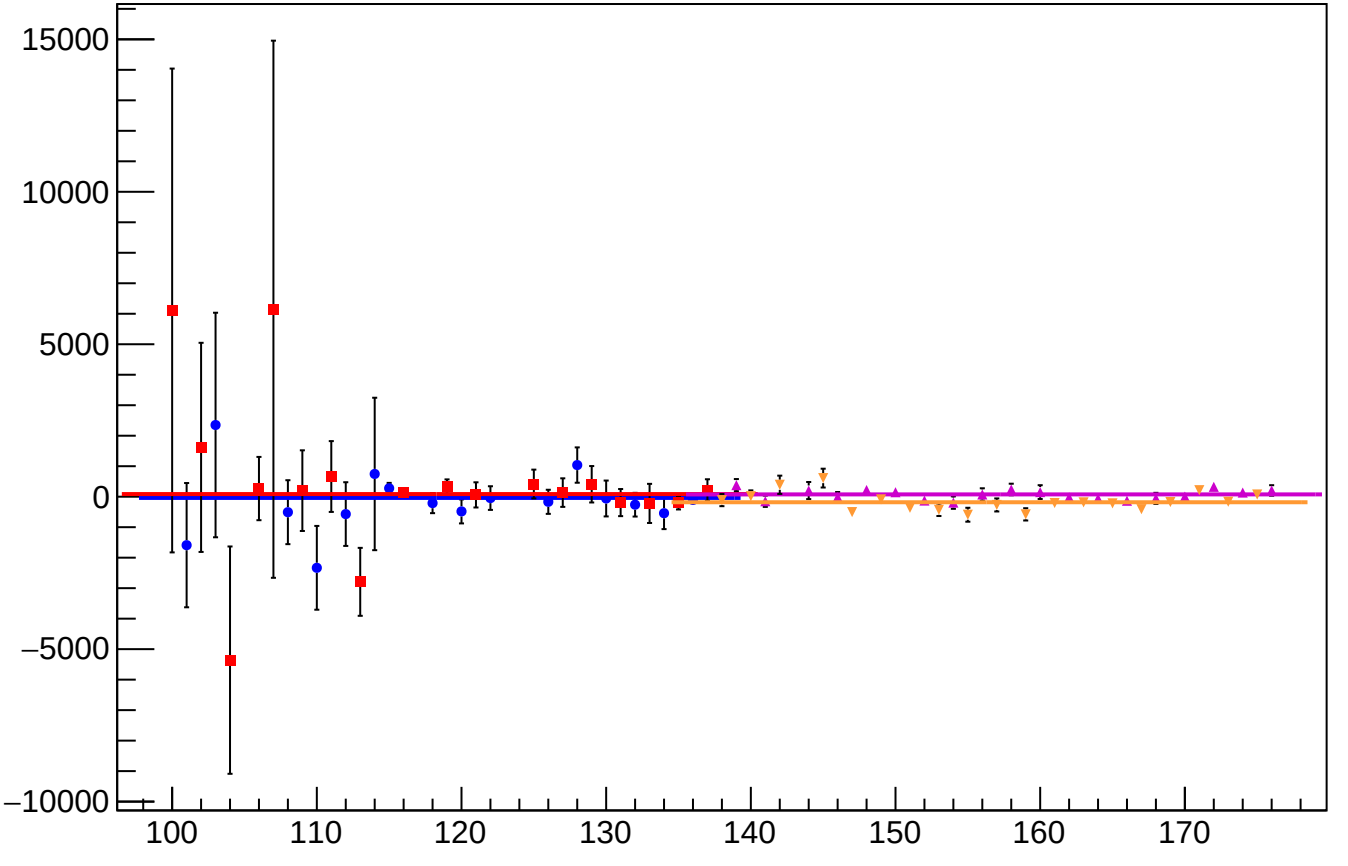
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2218.390+/-0.331 χ^2/NDF:545425.6/34

Out: 2223.396+/-0.334 χ^2/NDF:211249.9/36

All: 2220.868+/-0.235 χ^2/NDF: 756789.0/71

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -182.097+/-37.803 χ^2/NDF:39.6/18

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 75.576+/-37.090 χ^2/NDF:18.4/18

Left: -50.807+/-26.475 χ^2/NDF: 81.7/37

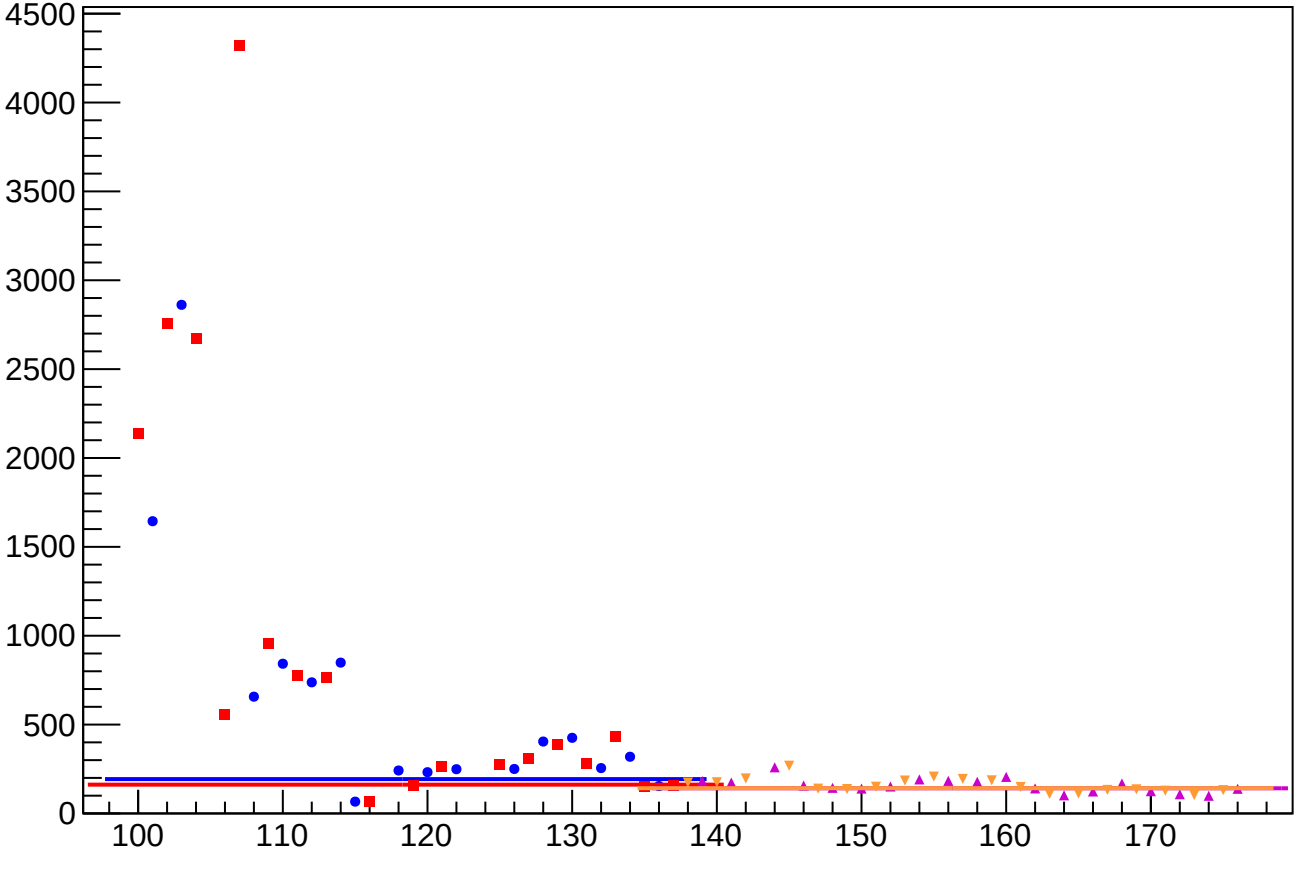
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 59.524+/-34.421 χ^2/NDF:33.8/34

Out: -138.695+/-34.613 χ^2/NDF:62.7/36

All: -39.034+/-24.407 χ^2/NDF: 113.0/71

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: 142.120+/-0.027 χ^2/NDF:1476940.3/18

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 141.562+/-0.026 χ^2/NDF:1694147.3/18

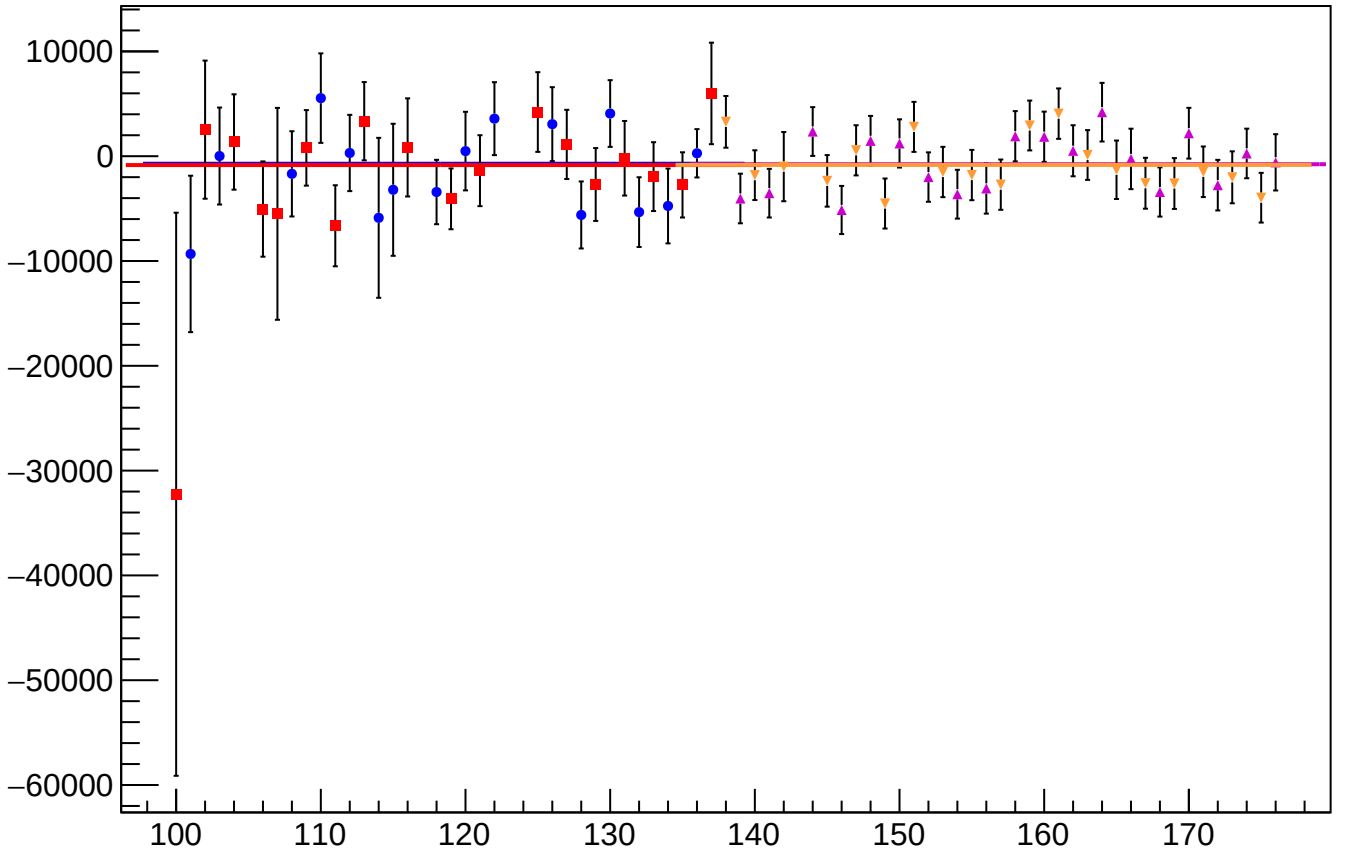
Left: 141.836+/-0.019 χ^2/NDF: 3171309.0/37

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 148.734+/-0.024 χ^2/NDF:7850999.3/34

Out: 145.352+/-0.024 χ^2/NDF:8637913.4/36

All: 147.052+/-0.017 χ^2/NDF: 16498516.7/71



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -825.998+/-563.206 χ^2/NDF:19.1/18

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -766.593+/-555.036 χ^2/NDF:22.6/18

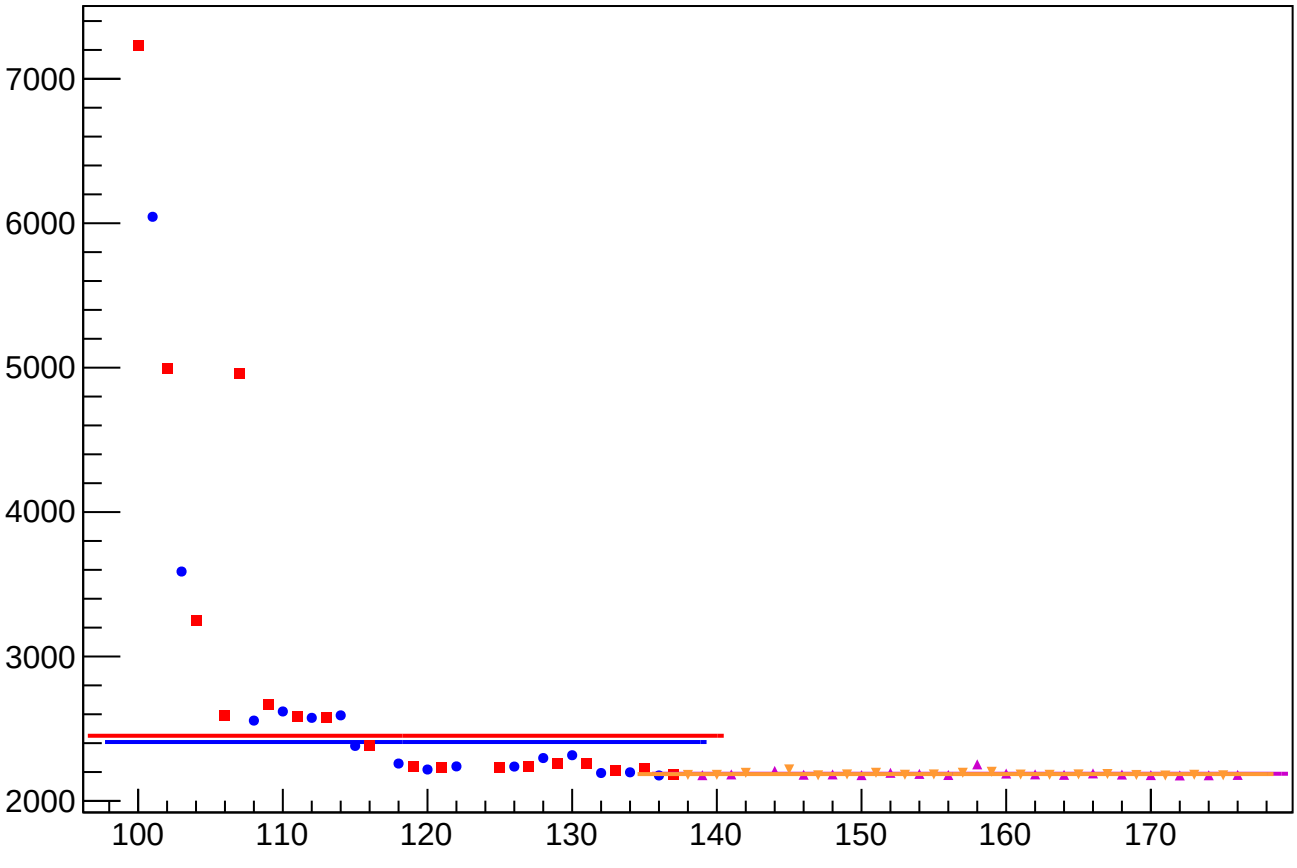
Left: -795.862+/-395.327 χ^2/NDF: 41.7/37

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -753.968+/-474.724 χ^2/NDF:38.4/34

Out: -831.056+/-481.571 χ^2/NDF:32.1/36

All: -791.960+/-338.075 χ^2/NDF: 70.5/71



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.723+/-0.398 χ^2/NDF:655.6/18

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.104+/-0.392 χ^2/NDF:1915.0/18

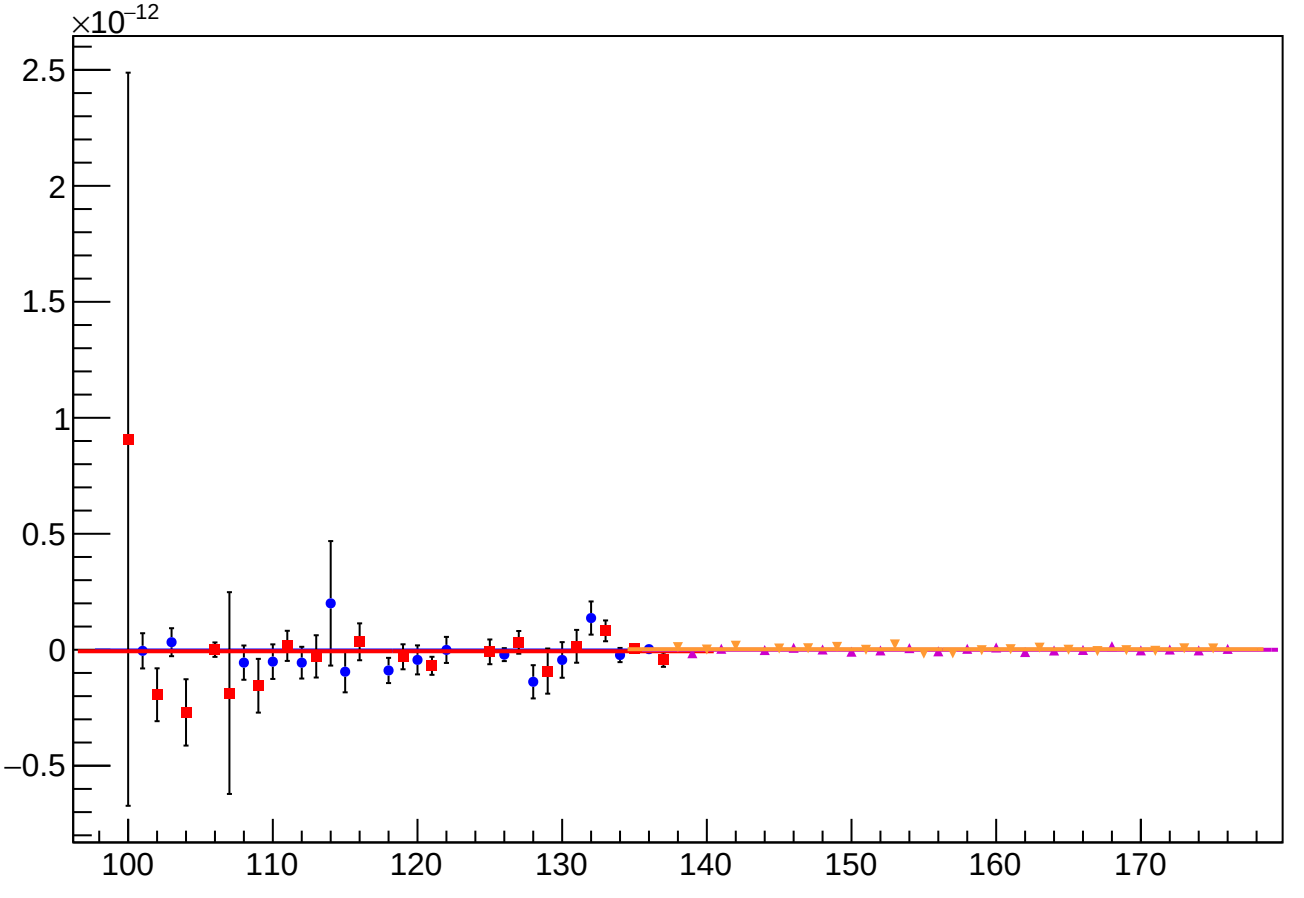
Left: 2186.931+/-0.280 χ^2/NDF: 2588.8/37

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2247.081+/-0.336 χ^2/NDF:762923.9/34

Out: 2257.103+/-0.341 χ^2/NDF:753731.8/36

All: 2252.021+/-0.239 χ^2/NDF: 1517095.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/18

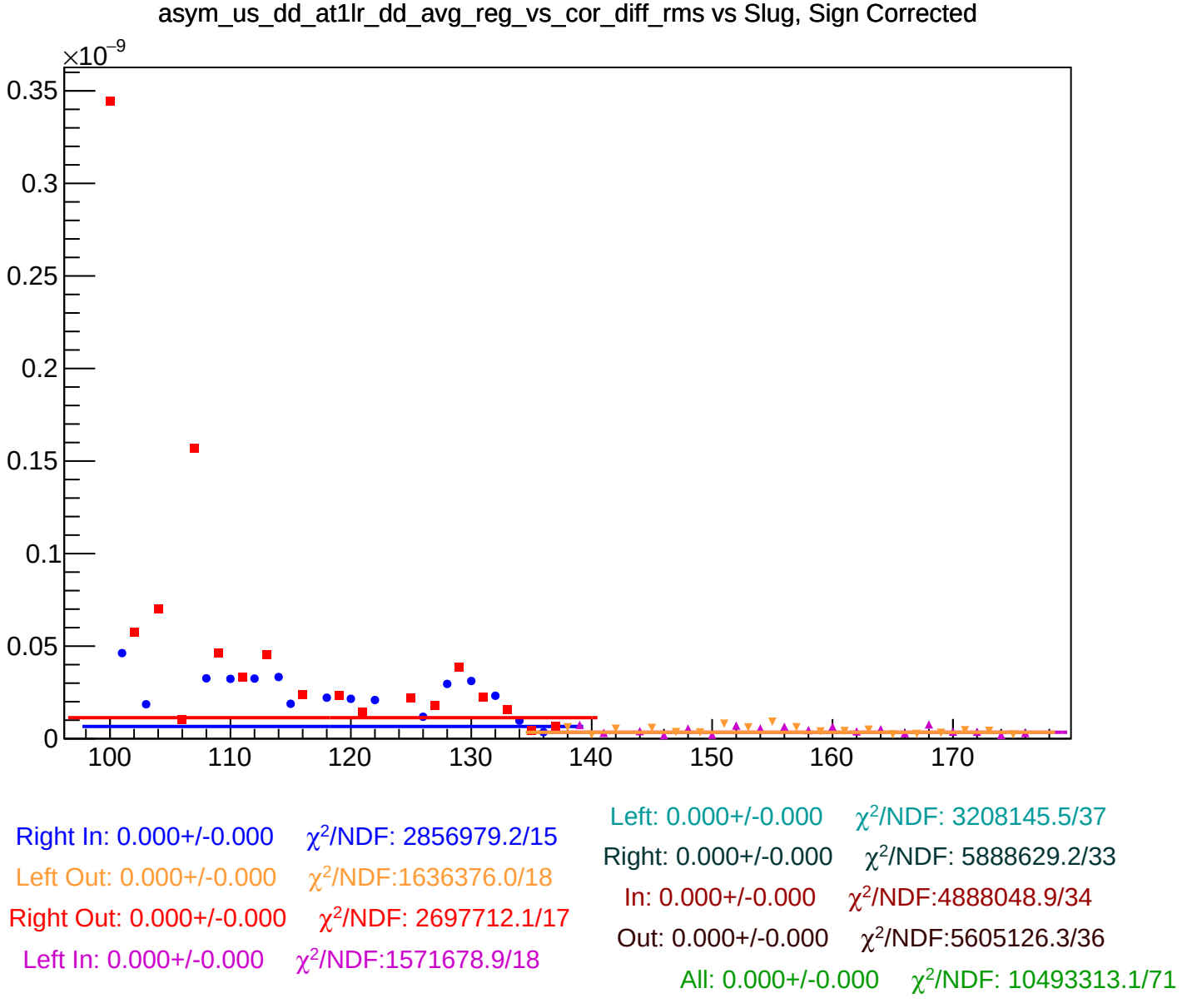
Left: 0.000+/-0.000 χ^2/NDF: 30.7/37

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

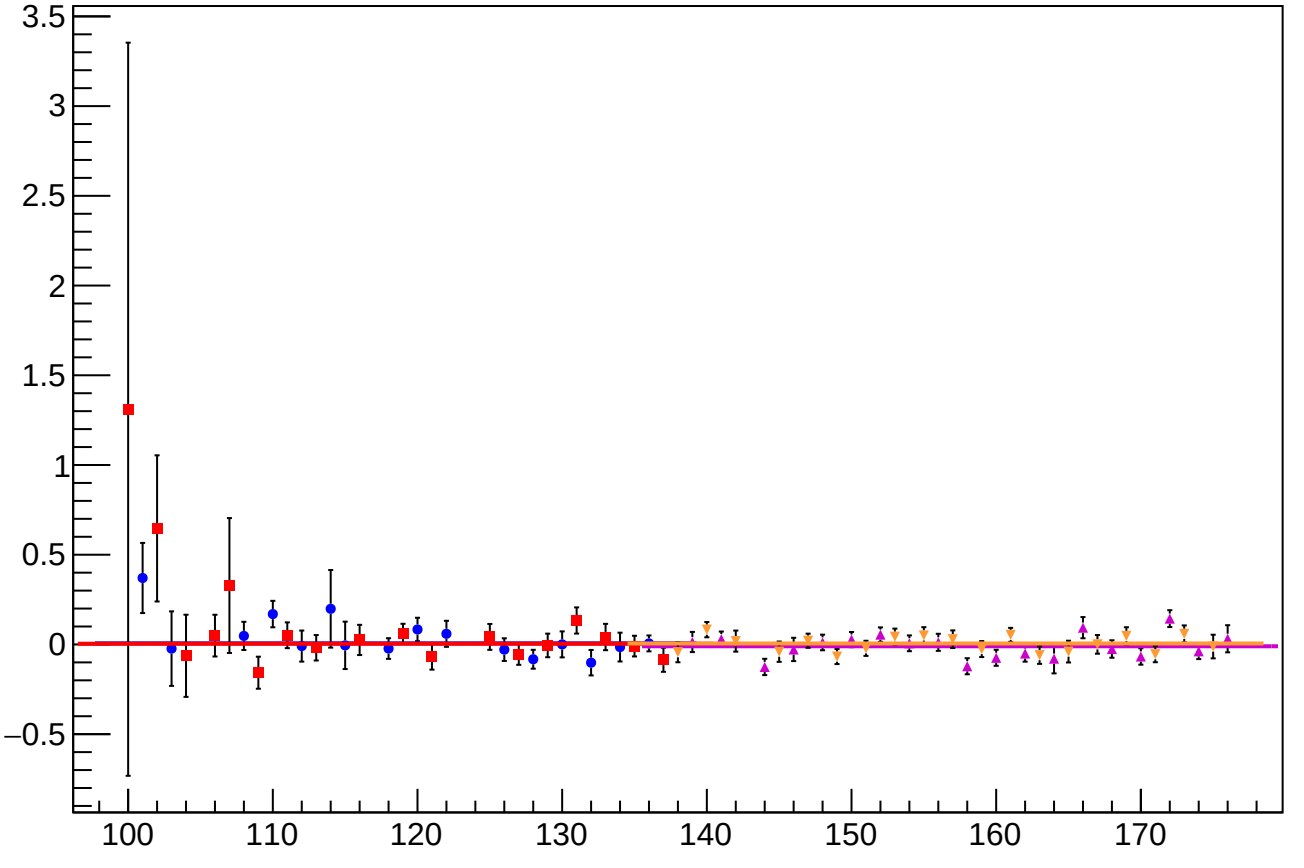
In: -0.000+/-0.000 χ^2/NDF:28.7/34

Out: 0.000+/-0.000 χ^2/NDF:36.4/36

All: 0.000+/-0.000 χ^2/NDF: 66.2/71


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1636376.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1571678.9/18
Left: 0.000+/-0.000 χ²/NDF: 3208145.5/37
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4888048.9/34
Out: 0.000+/-0.000 χ²/NDF:5605126.3/36
All: 0.000+/-0.000 χ²/NDF: 10493313.1/71

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: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

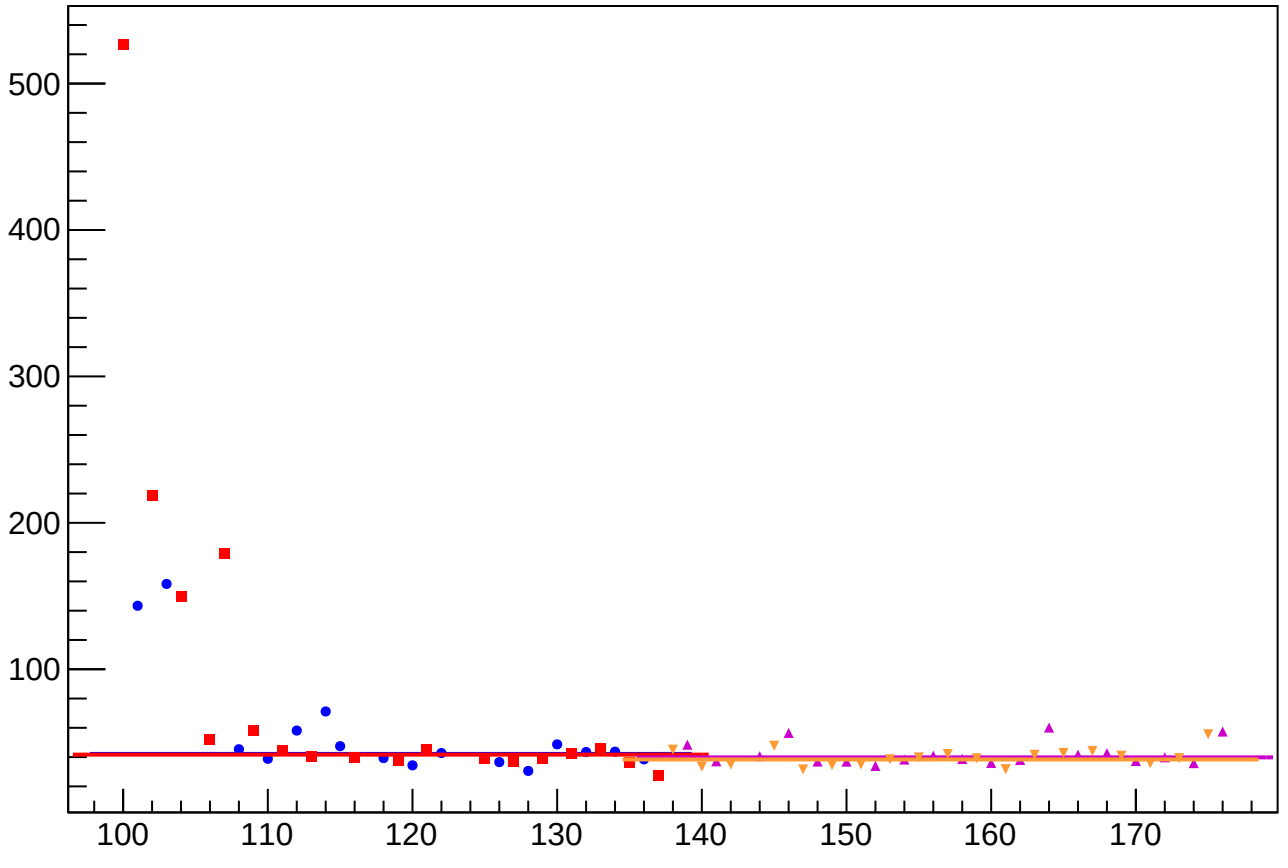
Left: -0.002+/-0.008 χ^2/NDF: 56.9/37

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.000+/-0.007 χ^2/NDF: 90.6/71



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.390+/-0.008 χ^2/NDF:469464.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

Left: 39.097+/-0.005 χ^2/NDF: 1019789.4/37

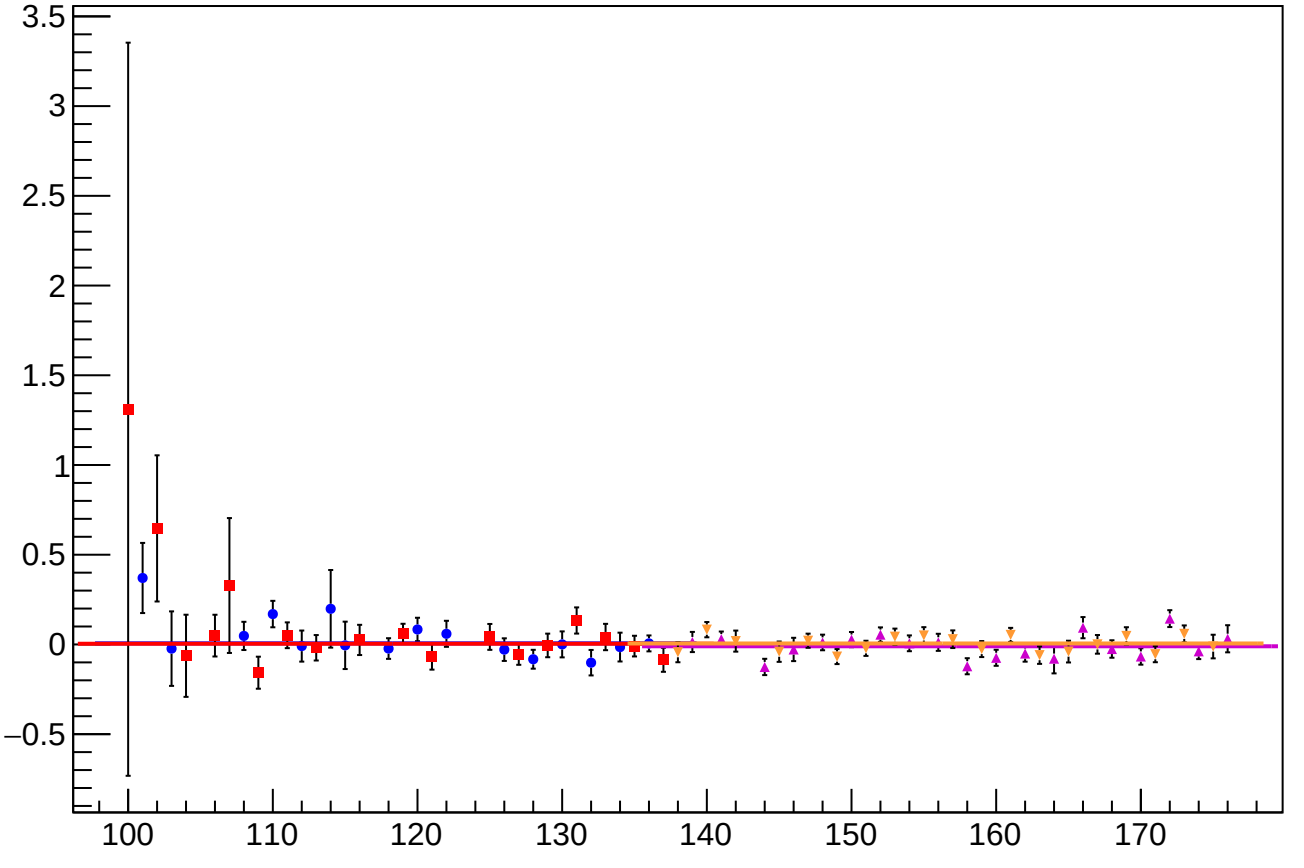
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.449+/-0.007 χ^2/NDF:2011733.0/34

Out: 39.233+/-0.007 χ^2/NDF:1957661.0/36

All: 39.838+/-0.005 χ^2/NDF: 3986066.5/71

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: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/37

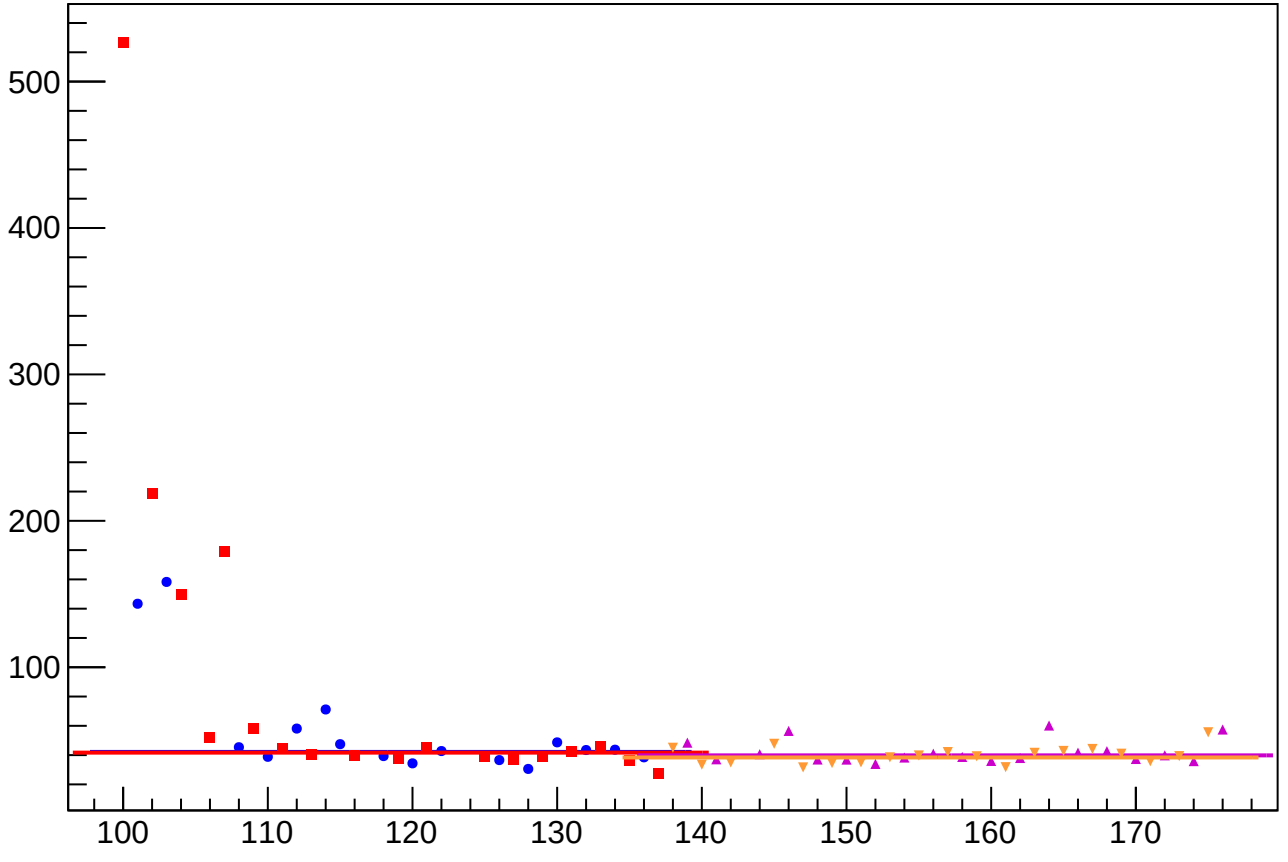
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.000+/-0.007 χ^2/NDF: 90.6/71

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: 38.390+/-0.008 χ^2/NDF:469464.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

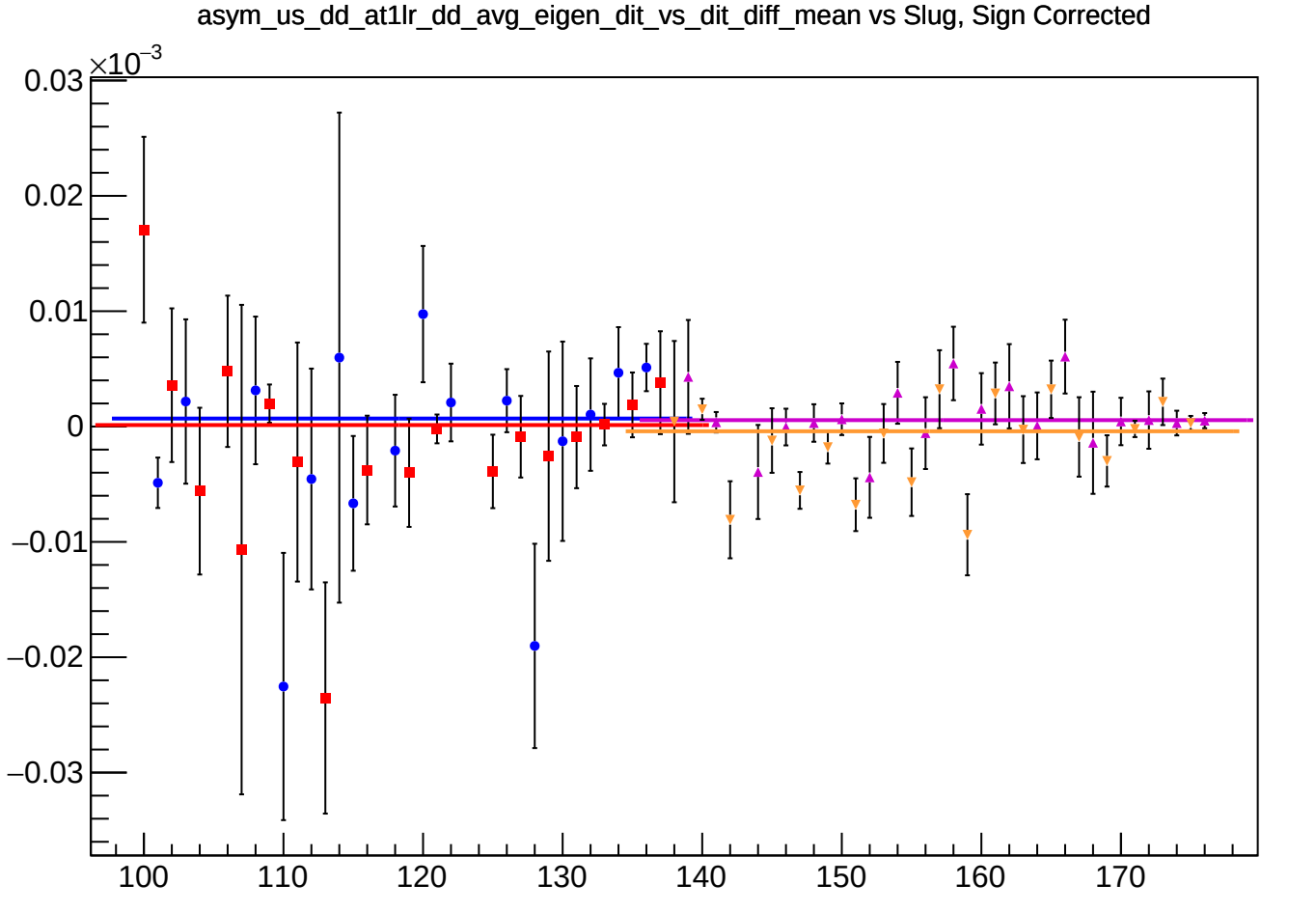
Left: 39.097+/-0.005 χ^2/NDF: 1019789.4/37

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.449+/-0.007 χ^2/NDF:2011733.0/34

Out: 39.233+/-0.007 χ^2/NDF:1957661.0/36

All: 39.838+/-0.005 χ^2/NDF: 3986066.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/18

Left: 0.000+/-0.000 χ^2/NDF: 61.5/37

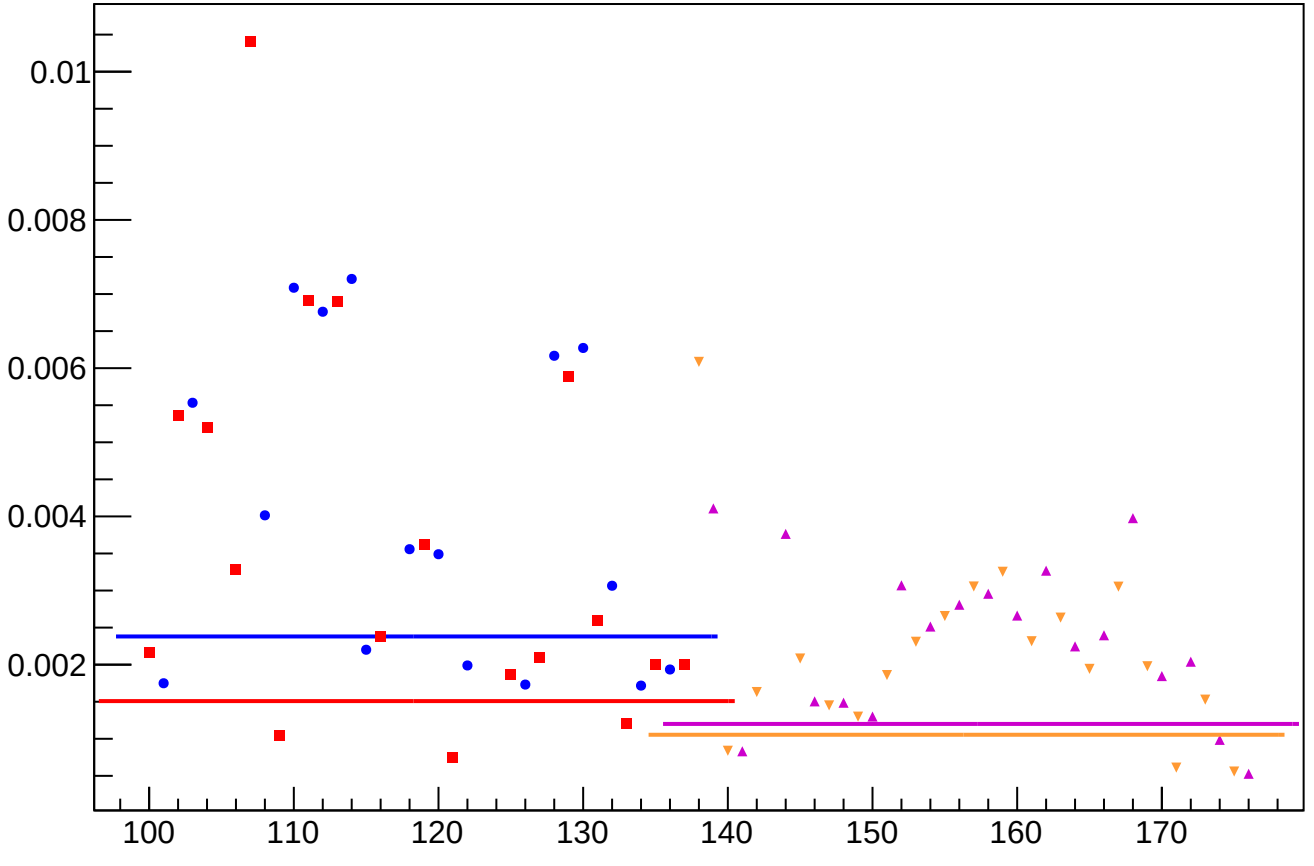
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.8/34

Out: -0.000+/-0.000 χ^2/NDF:64.5/36

All: 0.000+/-0.000 χ^2/NDF: 105.9/71

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:8957952.0/18

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:9174275.3/18

Left: 0.001+/-0.000 χ^2/NDF: 18297430.6/37

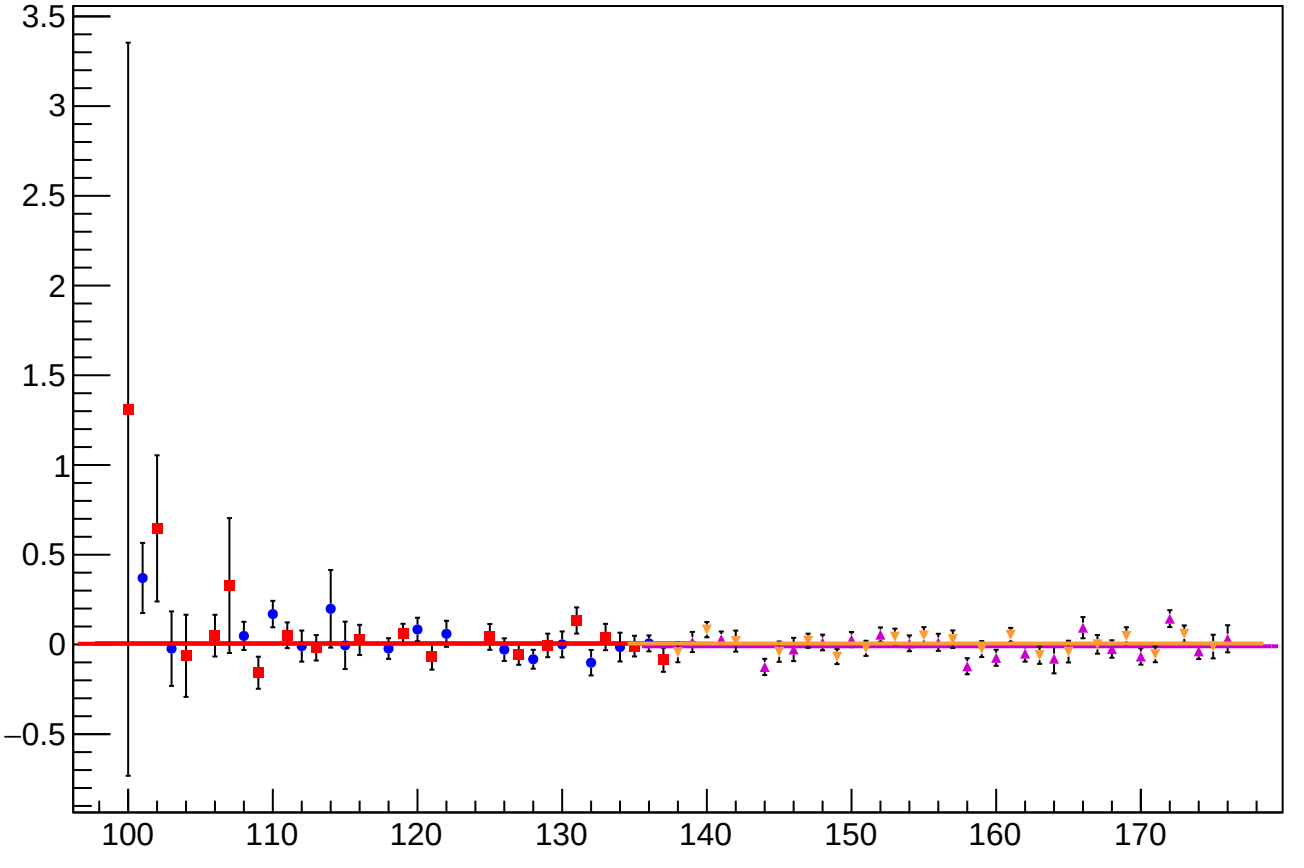
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:14375852.7/34

Out: 0.001+/-0.000 χ^2/NDF:14606733.7/36

All: 0.001+/-0.000 χ^2/NDF: 29357989.3/71

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: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/37

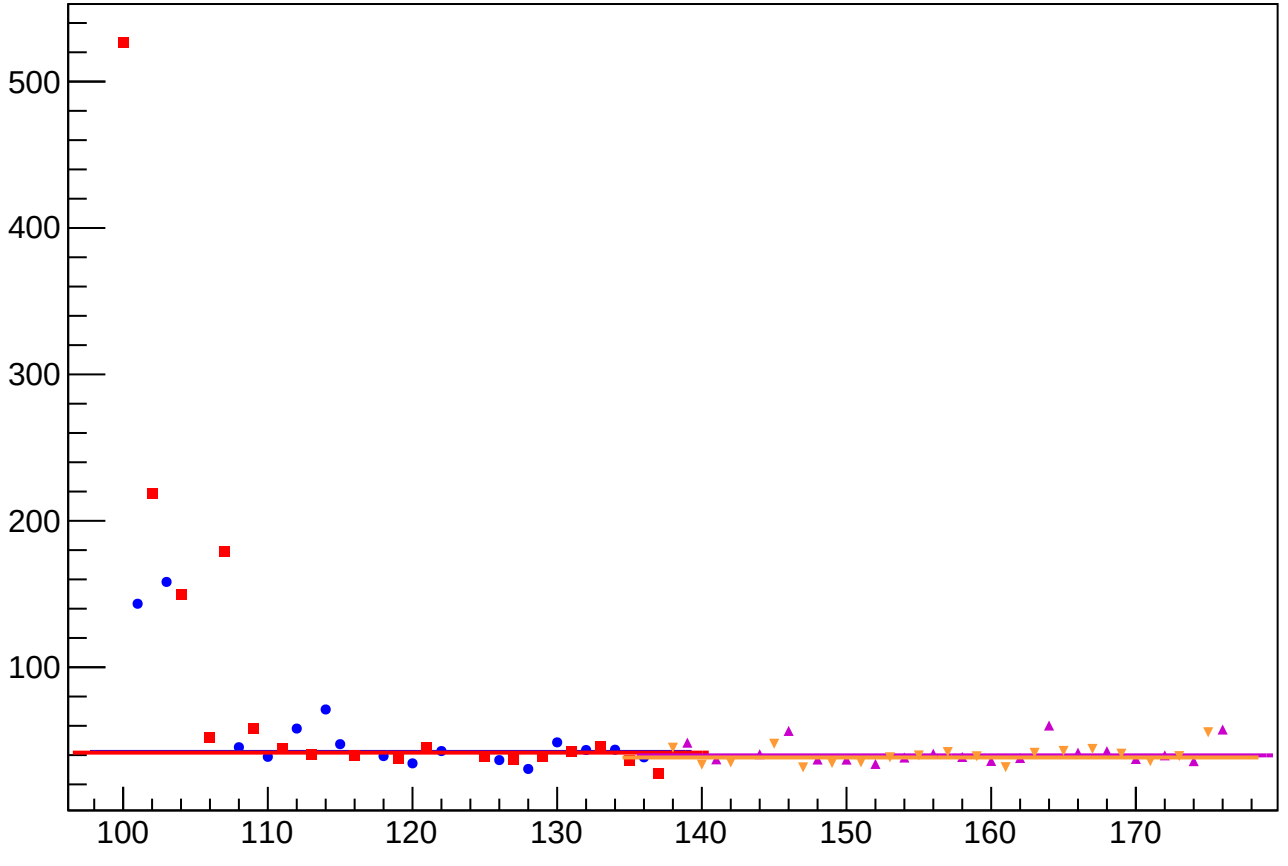
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.000+/-0.007 χ^2/NDF: 90.6/71

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: 38.391+/-0.008 χ^2/NDF:469448.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

Left: 39.097+/-0.005 χ^2/NDF: 1019808.7/37

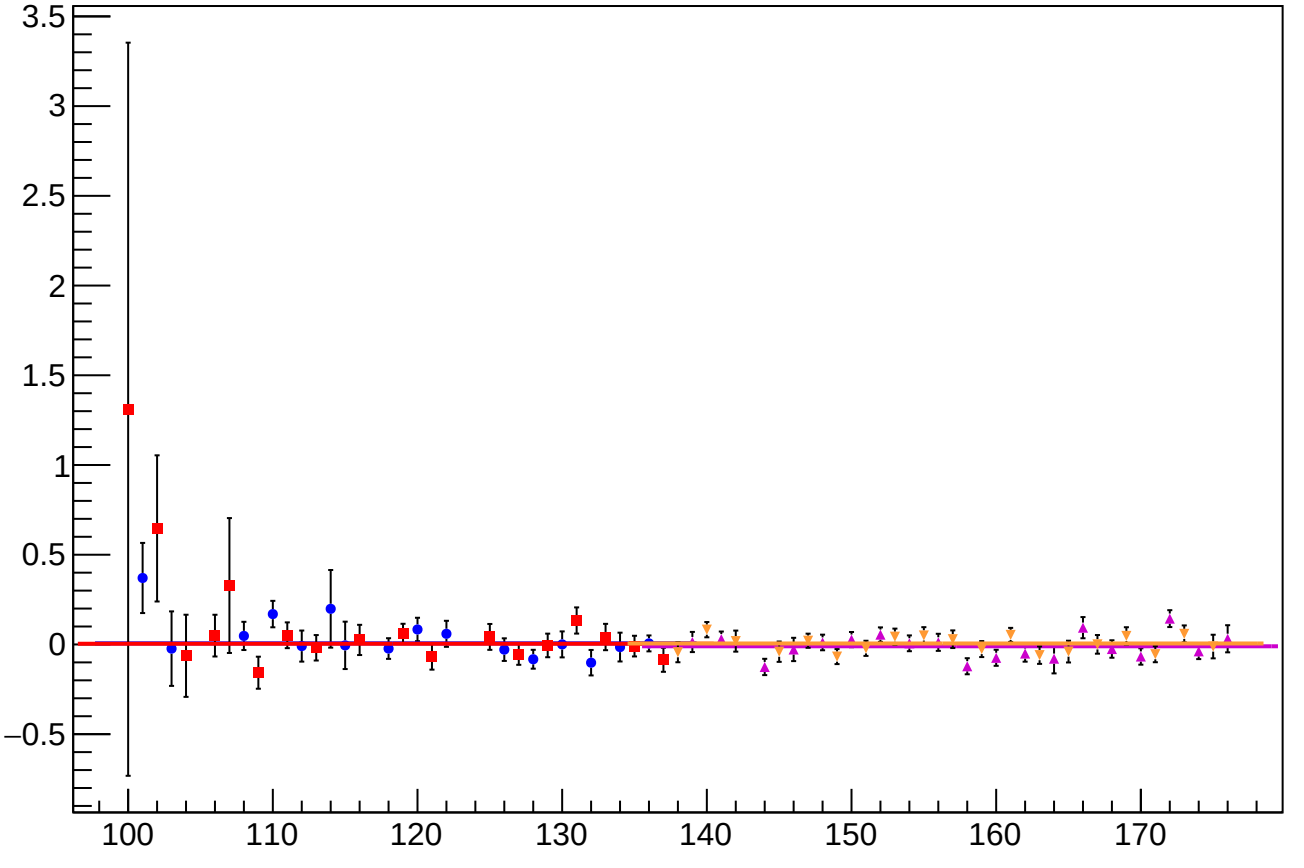
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.448+/-0.007 χ^2/NDF:2011935.6/34

Out: 39.233+/-0.007 χ^2/NDF:1957634.8/36

All: 39.838+/-0.005 χ^2/NDF: 3986220.7/71

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: 0.005+/-0.011 χ^2/NDF:18.4/18

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/37

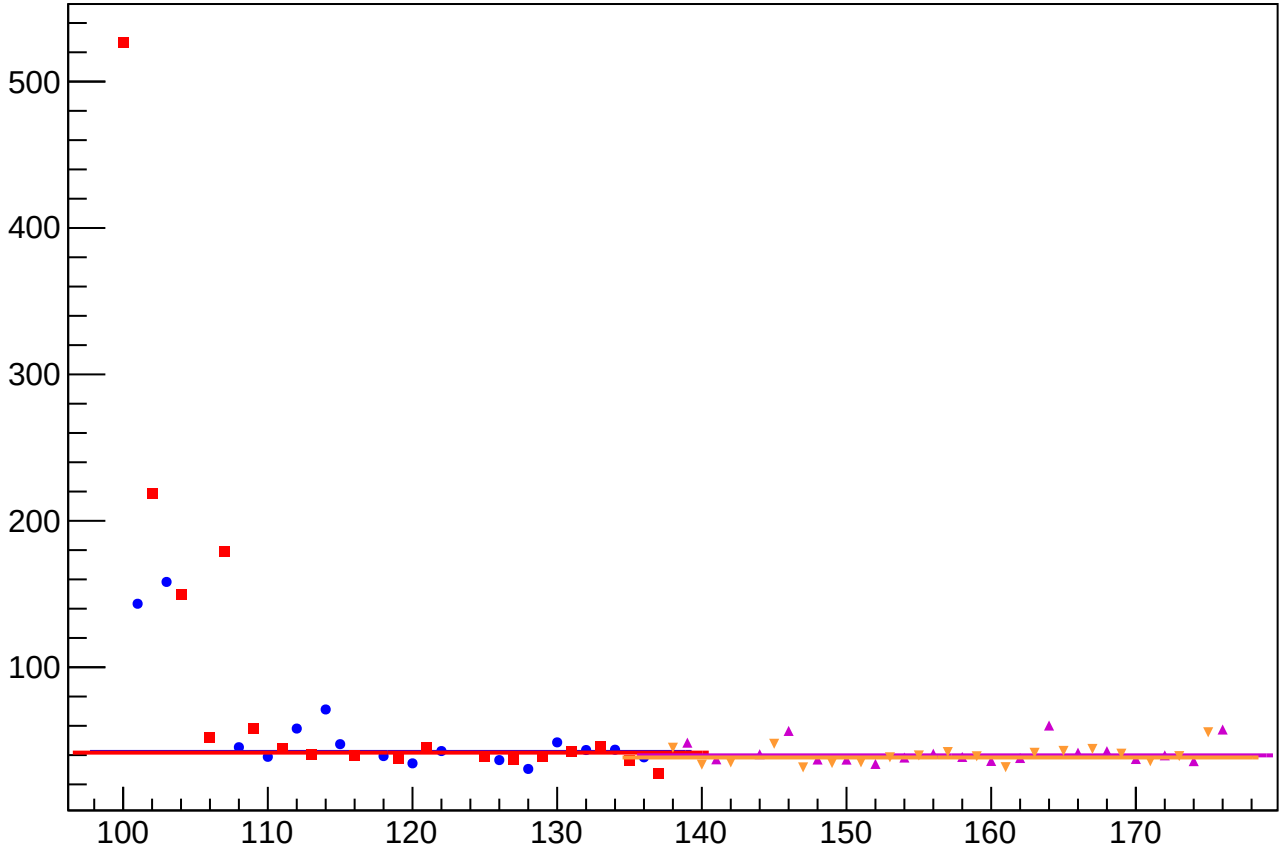
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/36

All: -0.000+/-0.007 χ^2/NDF: 90.6/71

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: 38.391+/-0.008 χ^2/NDF:469448.8/18

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

Left: 39.097+/-0.005 χ^2/NDF: 1019808.7/37

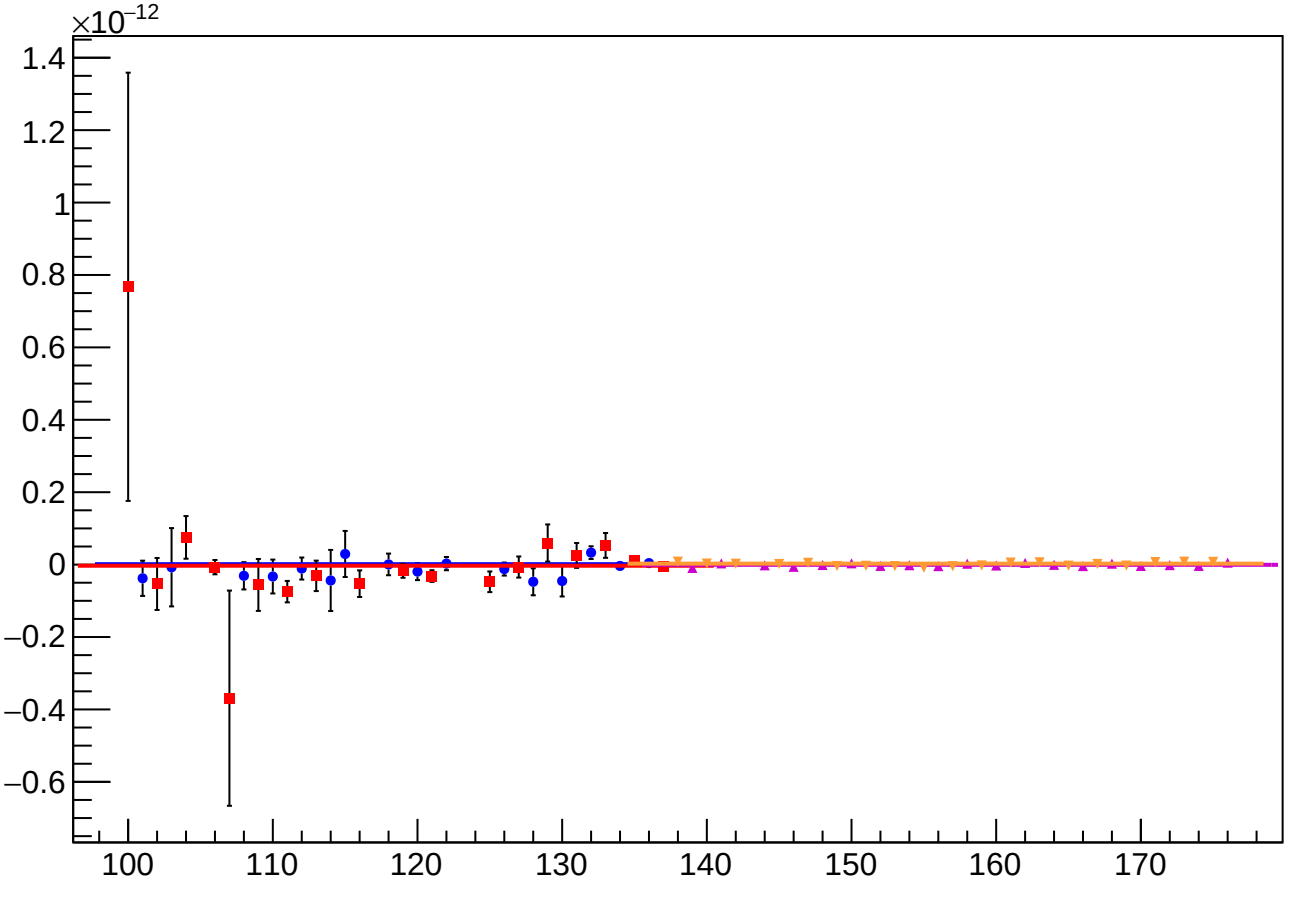
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.448+/-0.007 χ^2/NDF:2011935.6/34

Out: 39.233+/-0.007 χ^2/NDF:1957634.8/36

All: 39.838+/-0.005 χ^2/NDF: 3986220.7/71

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:21.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/18

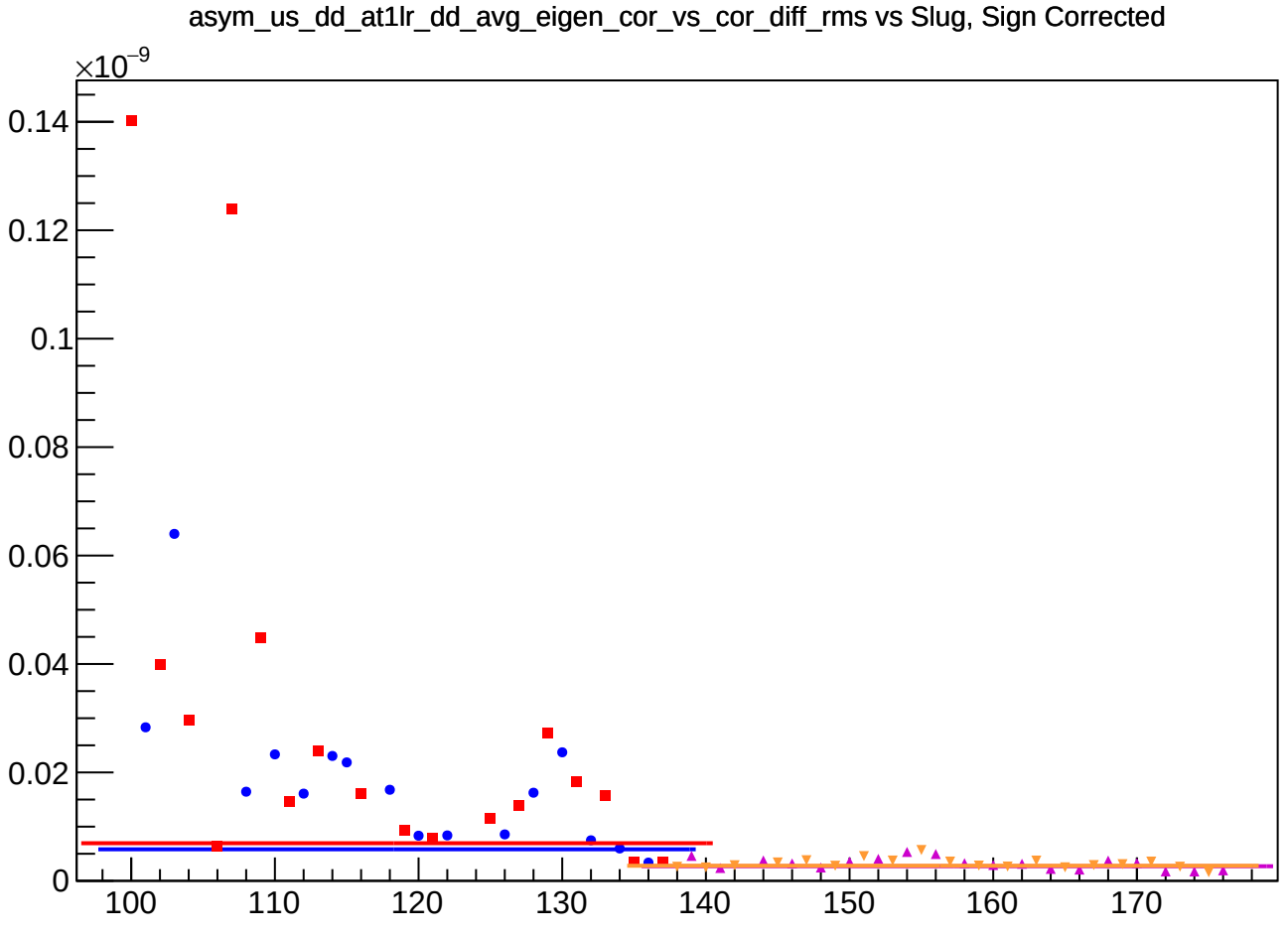
Left: 0.000+/-0.000 χ^2/NDF: 41.5/37

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.9/34

Out: 0.000+/-0.000 χ^2/NDF:52.1/36

All: 0.000+/-0.000 χ^2/NDF: 81.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258033.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1720846.3/18

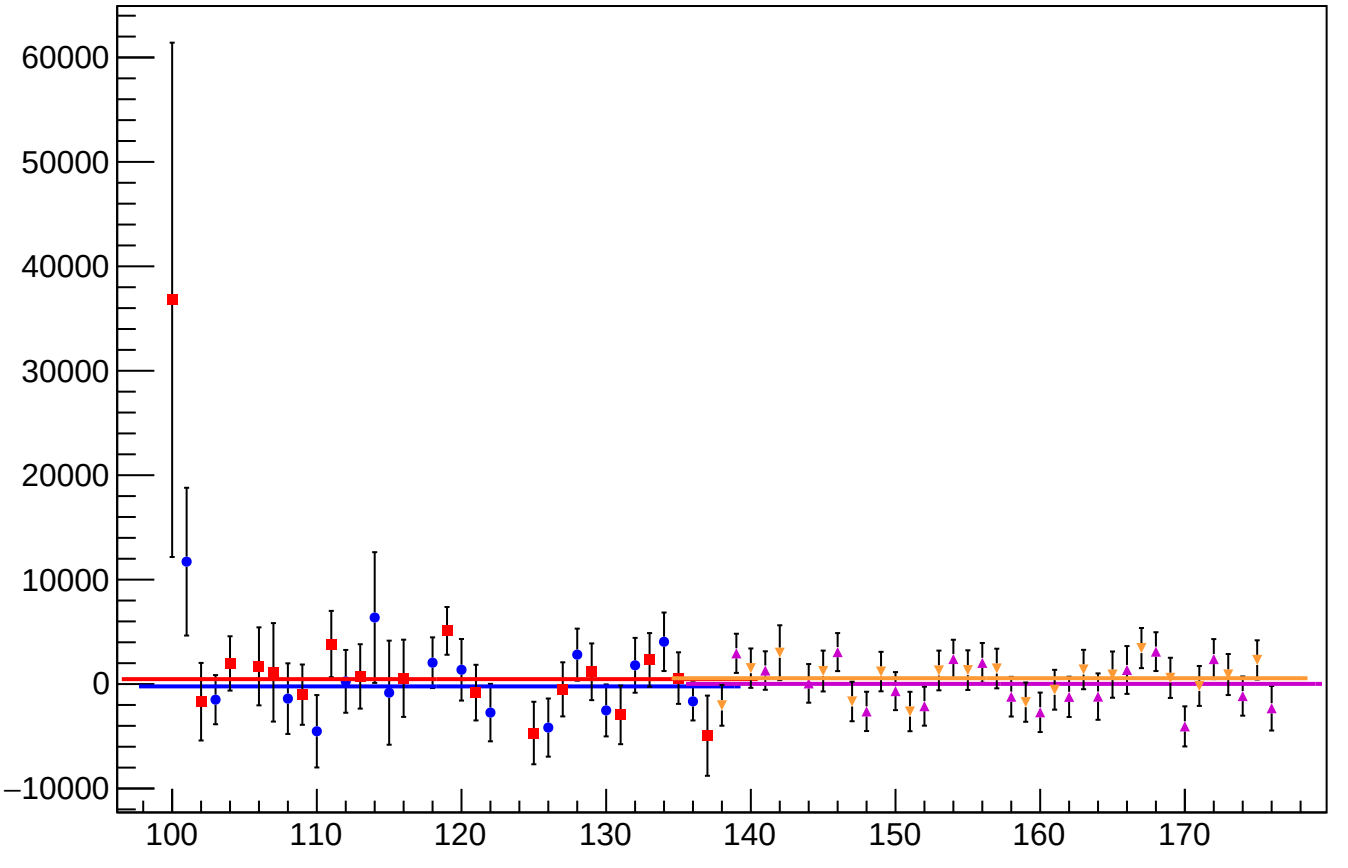
Left: 0.000+/-0.000 χ^2/NDF: 2986927.5/37

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6211071.7/34

Out: 0.000+/-0.000 χ^2/NDF:6518473.6/36

All: 0.000+/-0.000 χ^2/NDF: 12737631.5/71



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 559.003+/-446.180 χ^2/NDF:13.3/18

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 17.605+/-439.779 χ^2/NDF:25.8/18

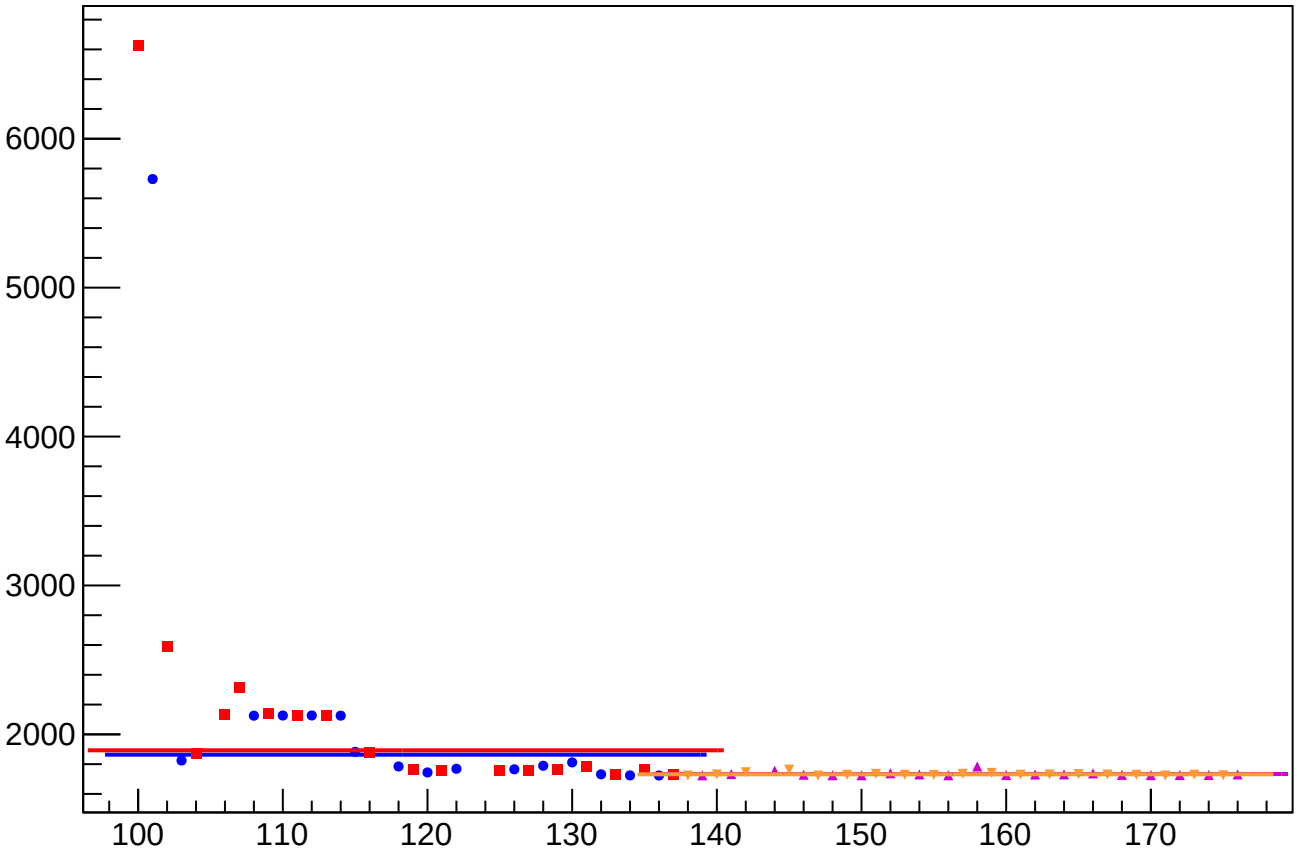
Left: 284.393+/-313.209 χ^2/NDF: 39.9/37

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -49.220+/-373.744 χ^2/NDF:41.8/34

Out: 534.561+/-377.999 χ^2/NDF:29.2/36

All: 239.366+/-265.769 χ^2/NDF: 72.1/71



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

Left: 1732.654+/-0.221 χ^2/NDF: 2877.9/37

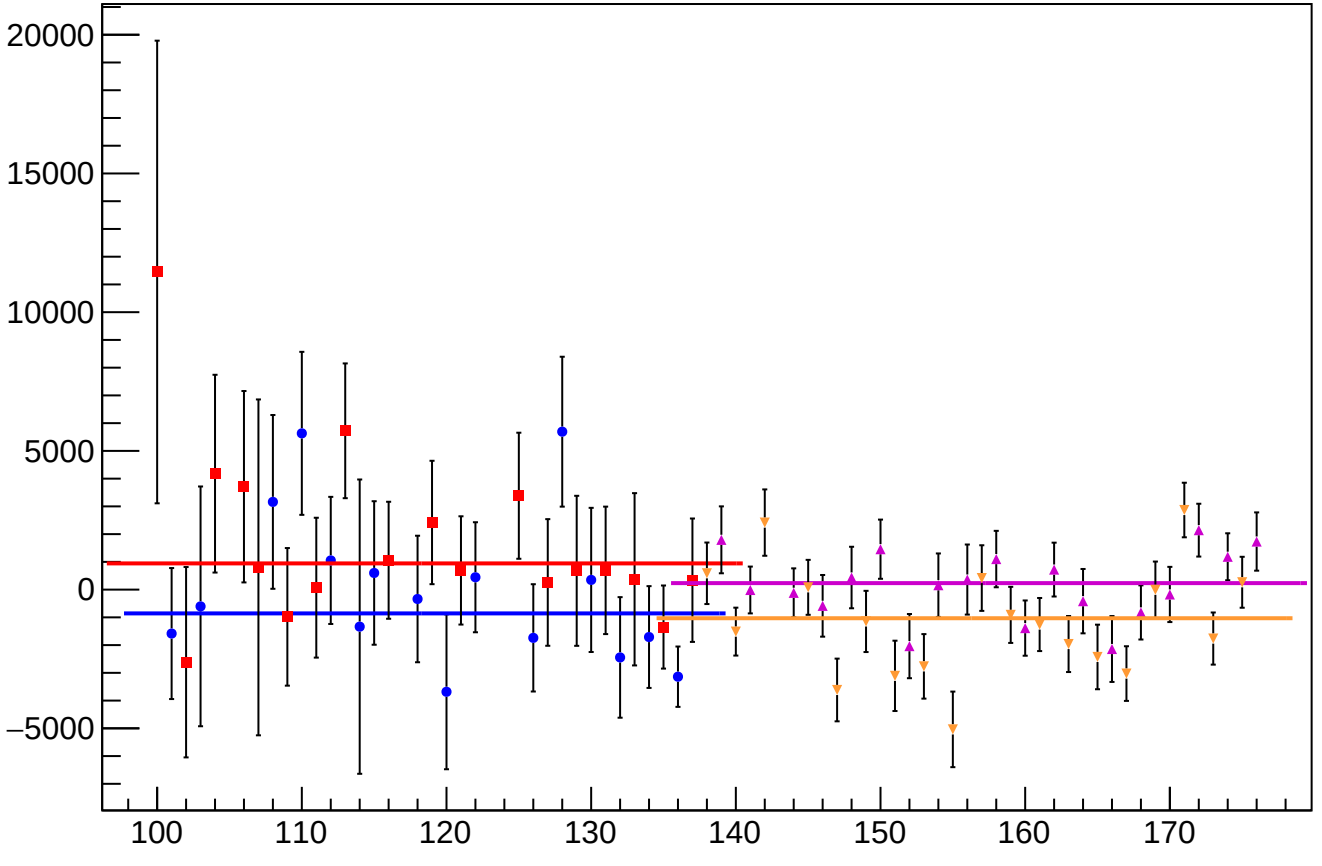
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1769.795+/-0.264 χ^2/NDF:725141.3/34

Out: 1777.085+/-0.267 χ^2/NDF:326119.4/36

All: 1773.398+/-0.188 χ^2/NDF: 1051636.8/71

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: -1031.423+/-240.872 χ^2/NDF:58.1/18

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 234.141+/-235.865 χ^2/NDF:24.3/18

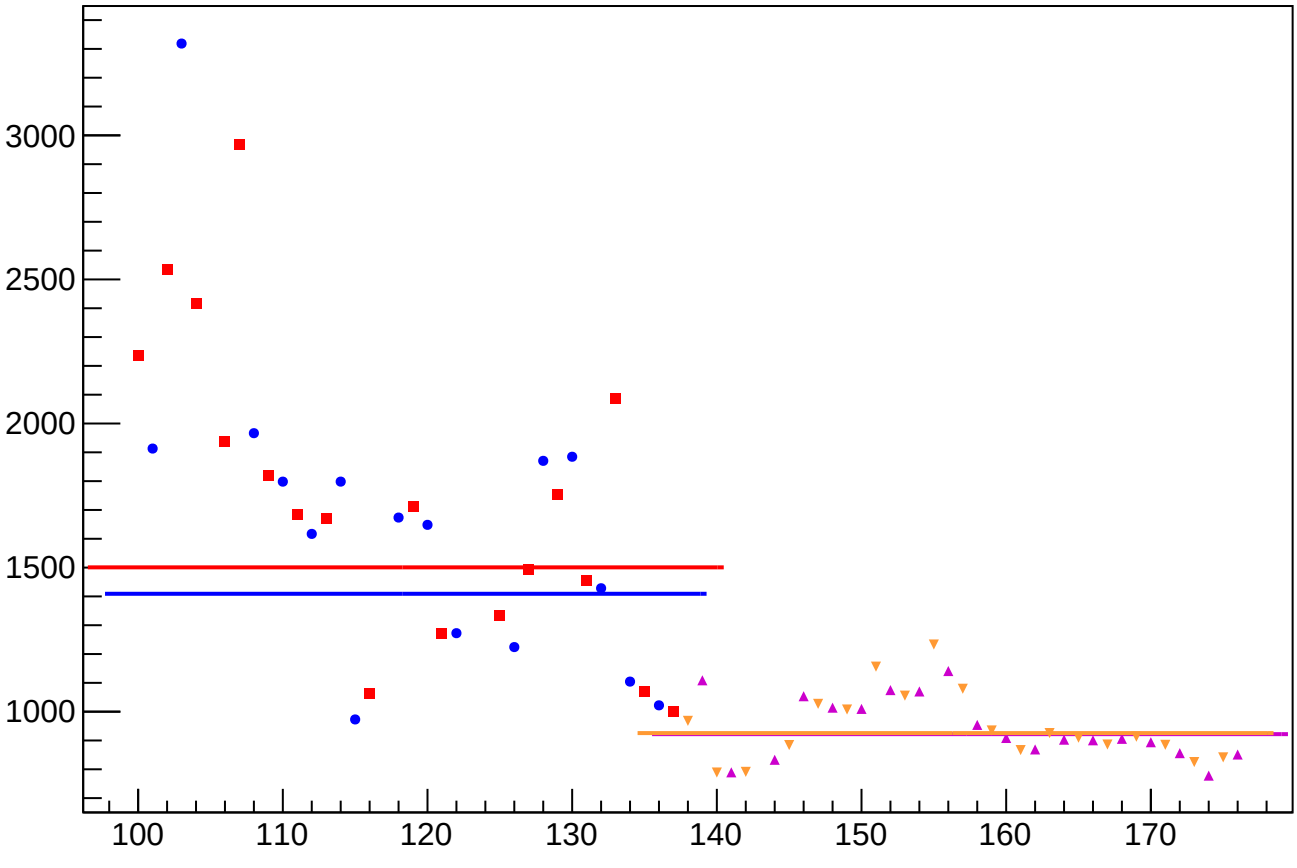
Left: -385.349+/-168.524 χ^2/NDF: 96.5/37

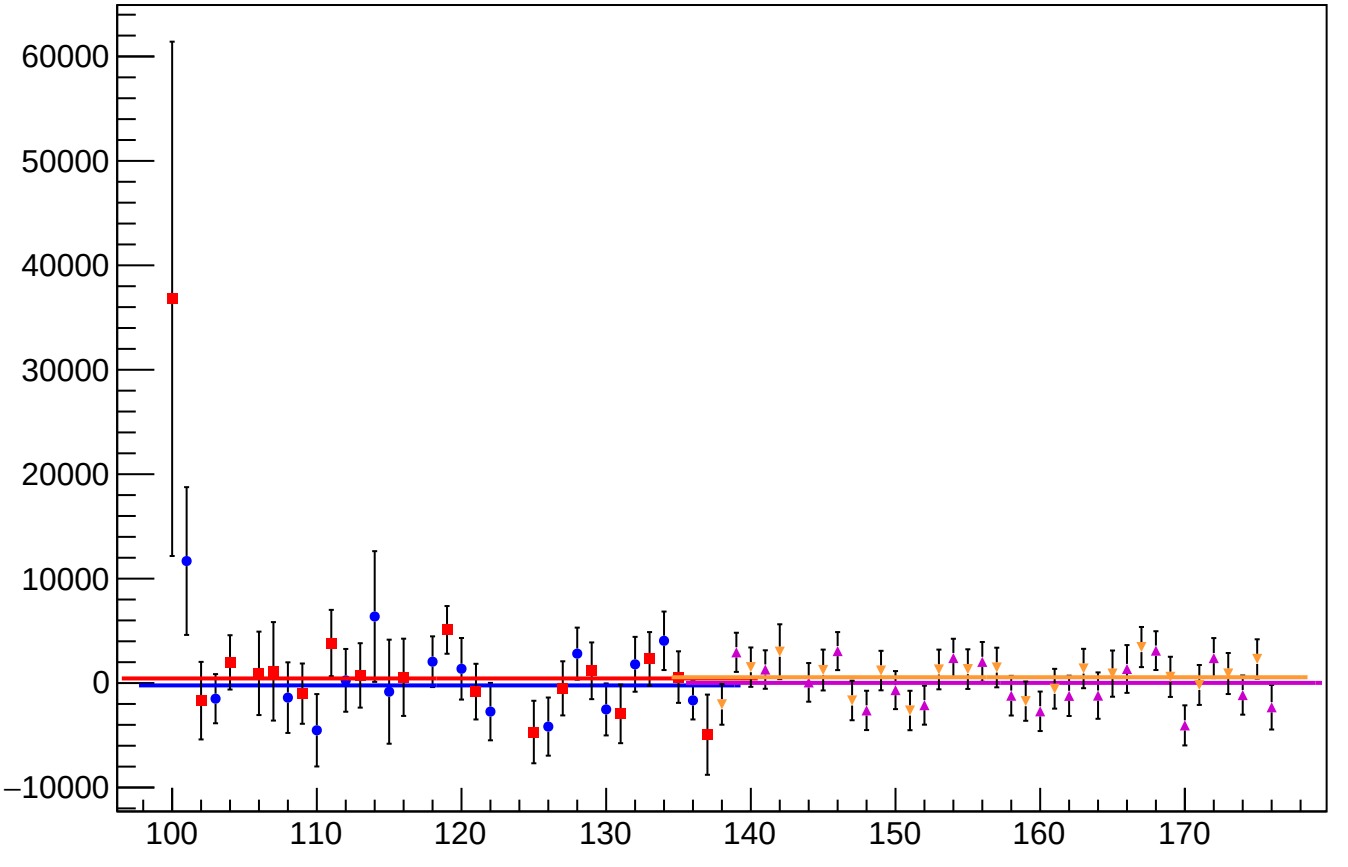
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: 64.489+/-216.760 χ^2/NDF:48.2/34

Out: -744.094+/-222.674 χ^2/NDF:80.8/36

All: -328.923+/-155.321 χ^2/NDF: 135.8/71


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1409.096+/-0.389 χ²/NDF: 1167706.6/15
Left Out: 925.660+/-0.170 χ²/NDF:390892.4/18
Right Out: 1500.801+/-0.413 χ²/NDF: 1030768.2/17
Left In: 922.002+/-0.167 χ²/NDF:389795.3/18
Left: 923.793+/-0.119 χ²/NDF: 780923.3/37
Right: 1452.187+/-0.283 χ²/NDF: 2224621.1/33
In: 997.715+/-0.153 χ²/NDF:2883340.8/34
Out: 1009.285+/-0.157 χ²/NDF:3079584.2/36
All: 1003.344+/-0.110 χ²/NDF: 5965697.2/71



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 17.644+/-439.779 χ^2/NDF:25.8/18

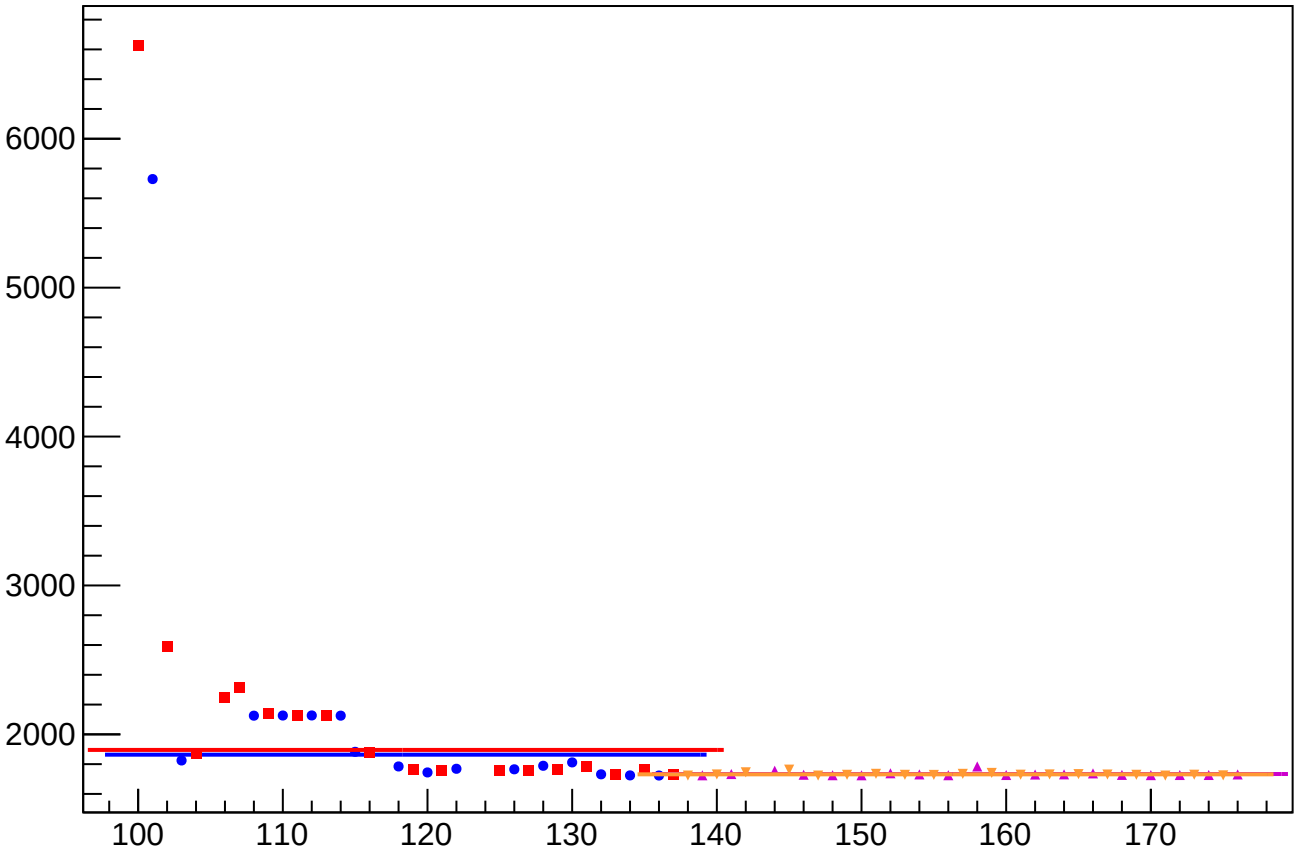
Left: 284.436+/-313.209 χ^2/NDF: 39.9/37

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -49.407+/-373.744 χ^2/NDF:41.7/34

Out: 526.406+/-378.242 χ^2/NDF:29.1/36

All: 235.055+/-265.853 χ^2/NDF: 72.0/71



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

Left: 1732.654+/-0.221 χ^2/NDF: 2877.9/37

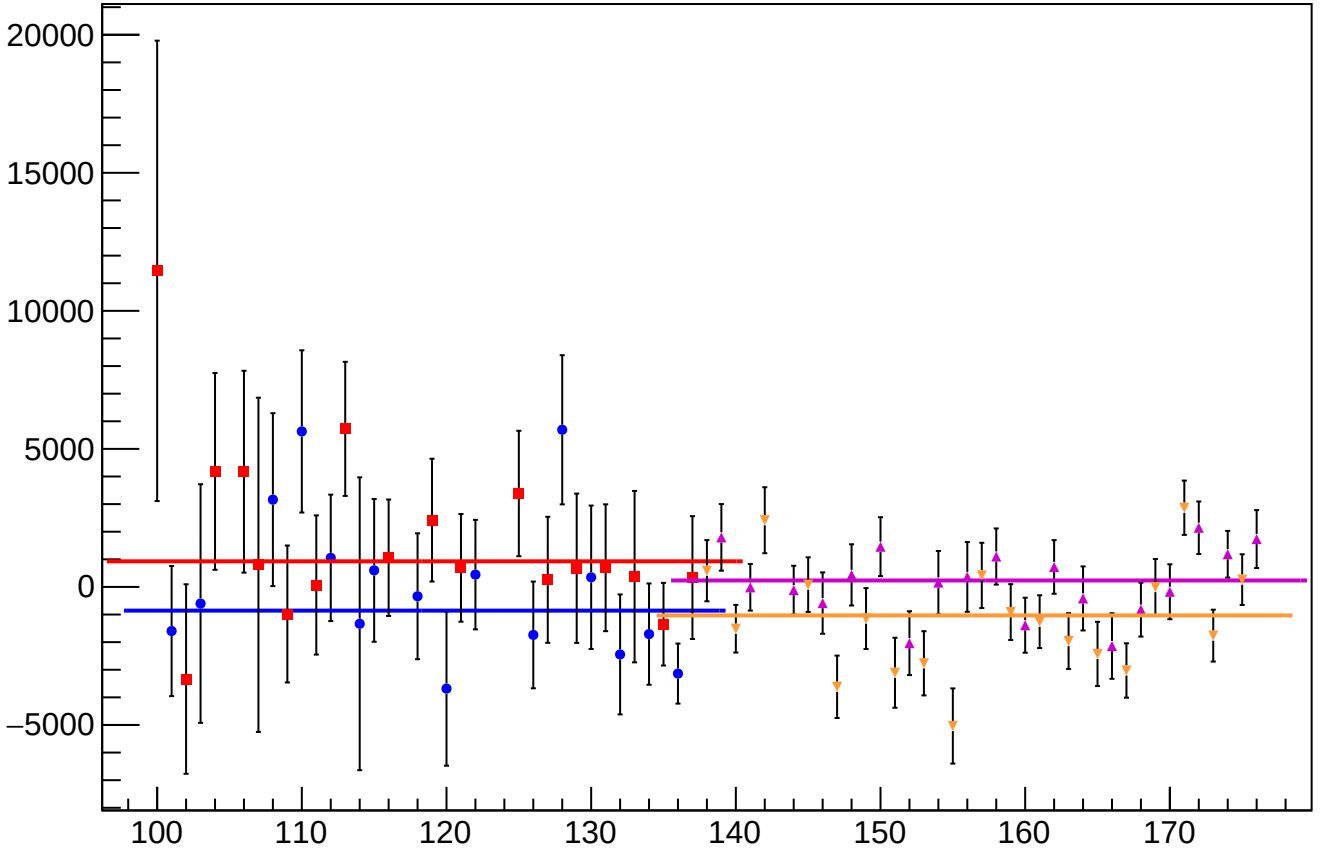
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1769.795+/-0.264 χ^2/NDF:725141.1/34

Out: 1777.675+/-0.267 χ^2/NDF:335950.9/36

All: 1773.688+/-0.188 χ^2/NDF: 1061531.2/71

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 234.139+/-235.863 χ^2/NDF:24.3/18

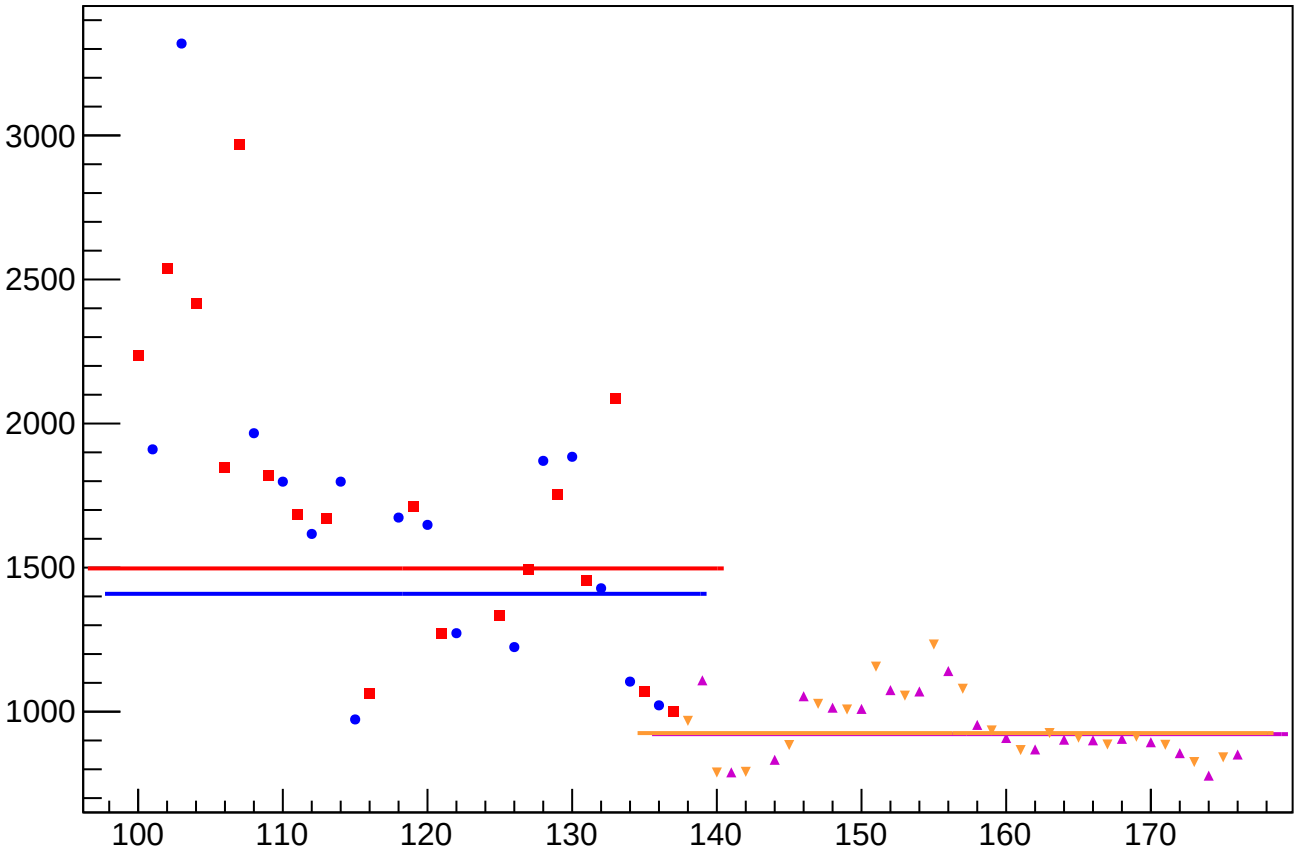
Left: -385.356+/-168.523 χ^2/NDF: 96.5/37

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 64.339+/-216.756 χ^2/NDF:48.2/34

Out: -747.422+/-222.724 χ^2/NDF:81.3/36

All: -330.520+/-155.337 χ^2/NDF: 136.3/71



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 925.658+/-0.170 χ^2/NDF:390879.4/18

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

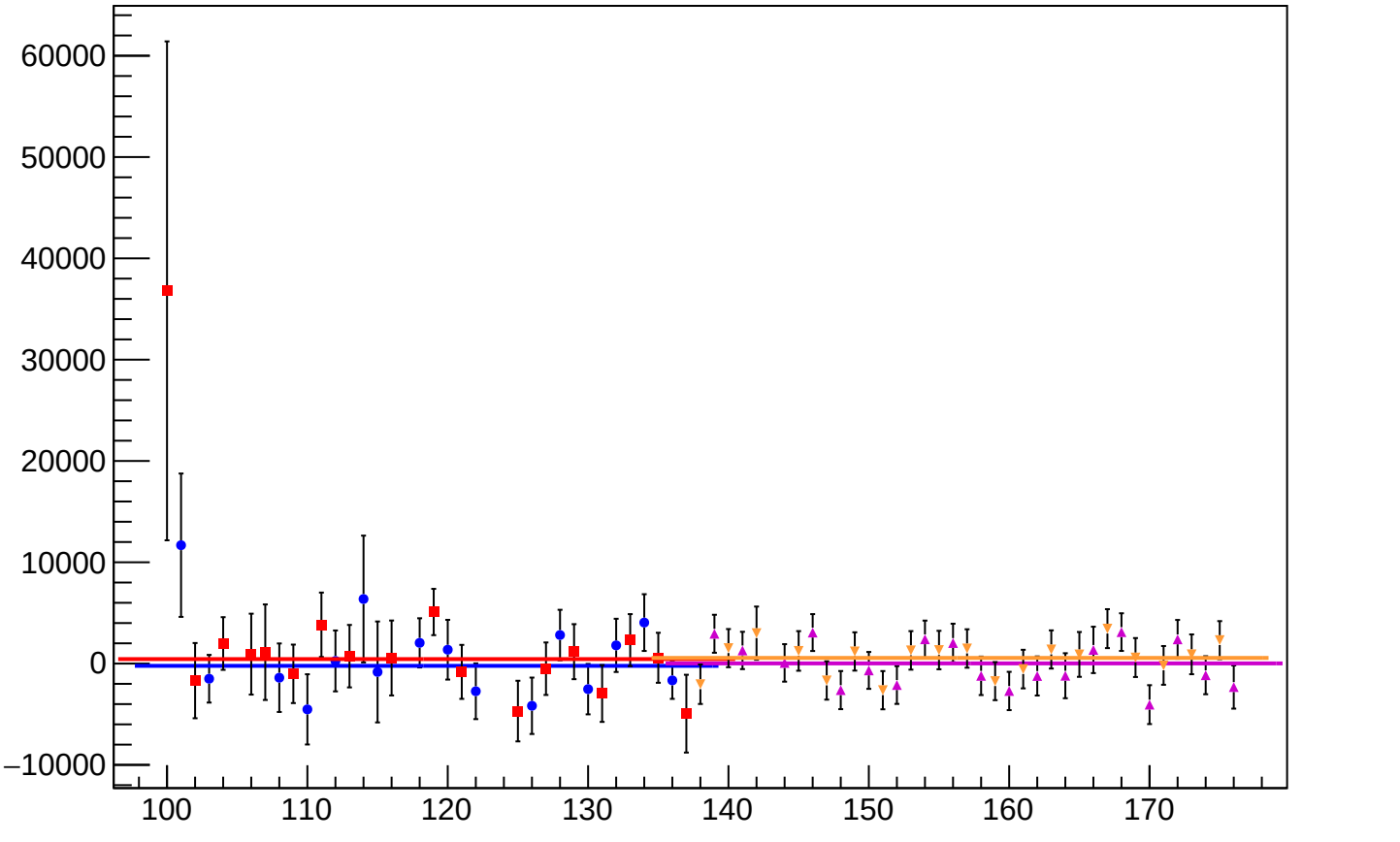
Left: 923.789+/-0.119 χ^2/NDF: 780933.5/37

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 997.708+/-0.153 χ^2/NDF:2882508.0/34

Out: 1008.528+/-0.157 χ^2/NDF:3041558.0/36

All: 1002.971+/-0.110 χ^2/NDF: 5926490.5/71



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 559.050+/-446.180 χ^2/NDF:13.3/18

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 17.644+/-439.779 χ^2/NDF:25.8/18

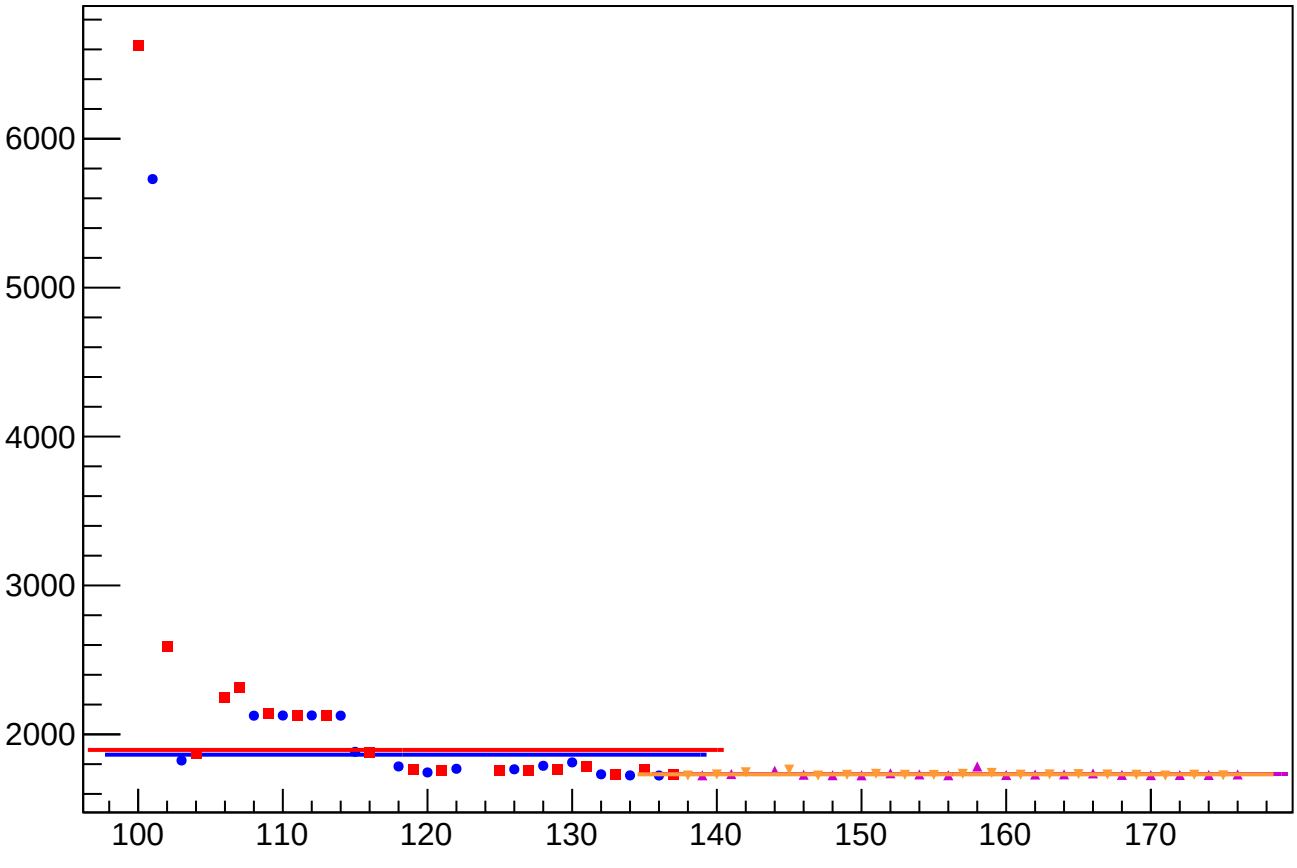
Left: 284.436+/-313.209 χ^2/NDF: 39.9/37

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -49.407+/-373.744 χ^2/NDF:41.7/34

Out: 526.406+/-378.242 χ^2/NDF:29.1/36

All: 235.055+/-265.853 χ^2/NDF: 72.0/71



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.550+/-0.315 χ^2/NDF:811.8/18

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

Left: 1732.654+/-0.221 χ^2/NDF: 2877.9/37

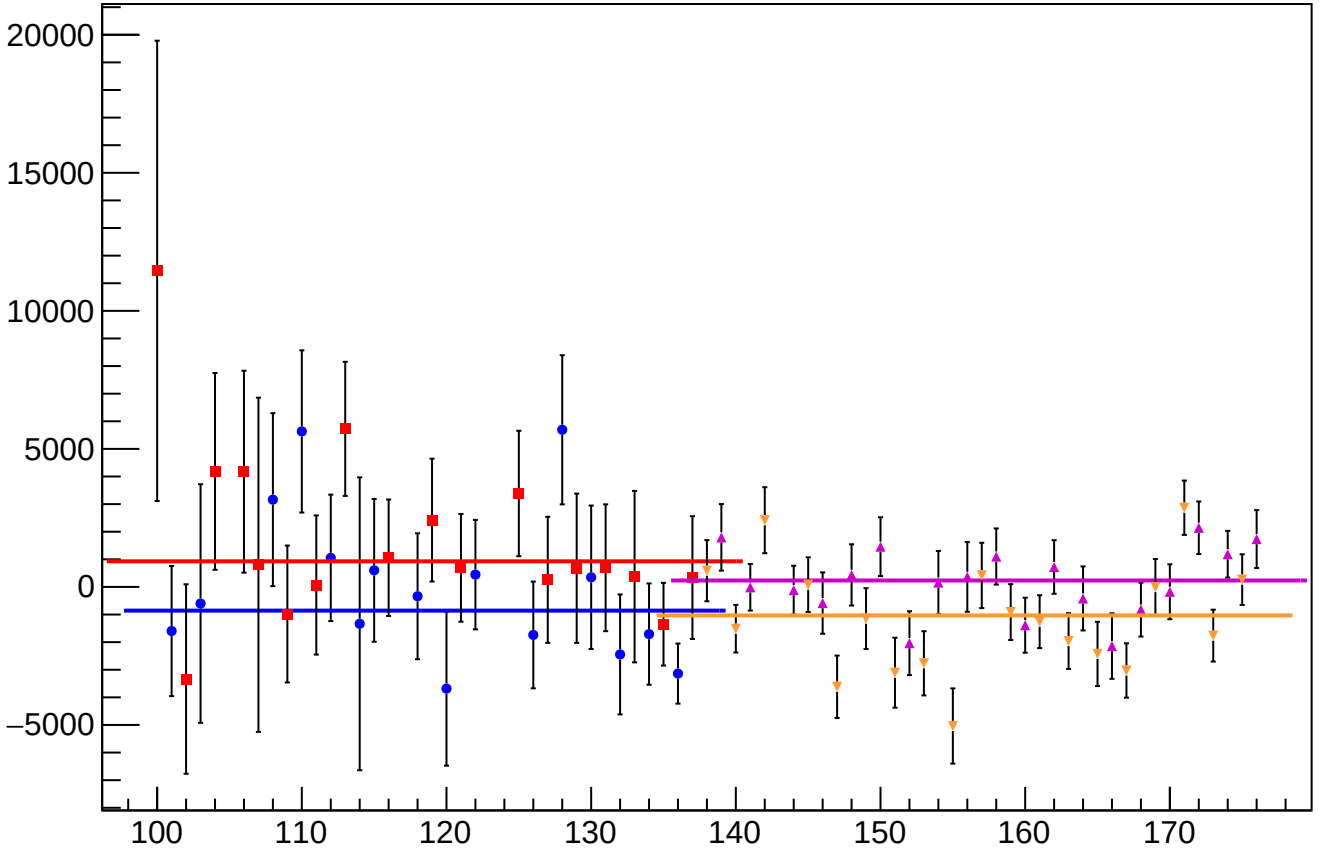
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1769.795+/-0.264 χ^2/NDF:725141.1/34

Out: 1777.675+/-0.267 χ^2/NDF:335950.9/36

All: 1773.688+/-0.188 χ^2/NDF: 1061531.2/71

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: -1031.439+/-240.872 χ^2/NDF:58.1/18

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 234.139+/-235.863 χ^2/NDF:24.3/18

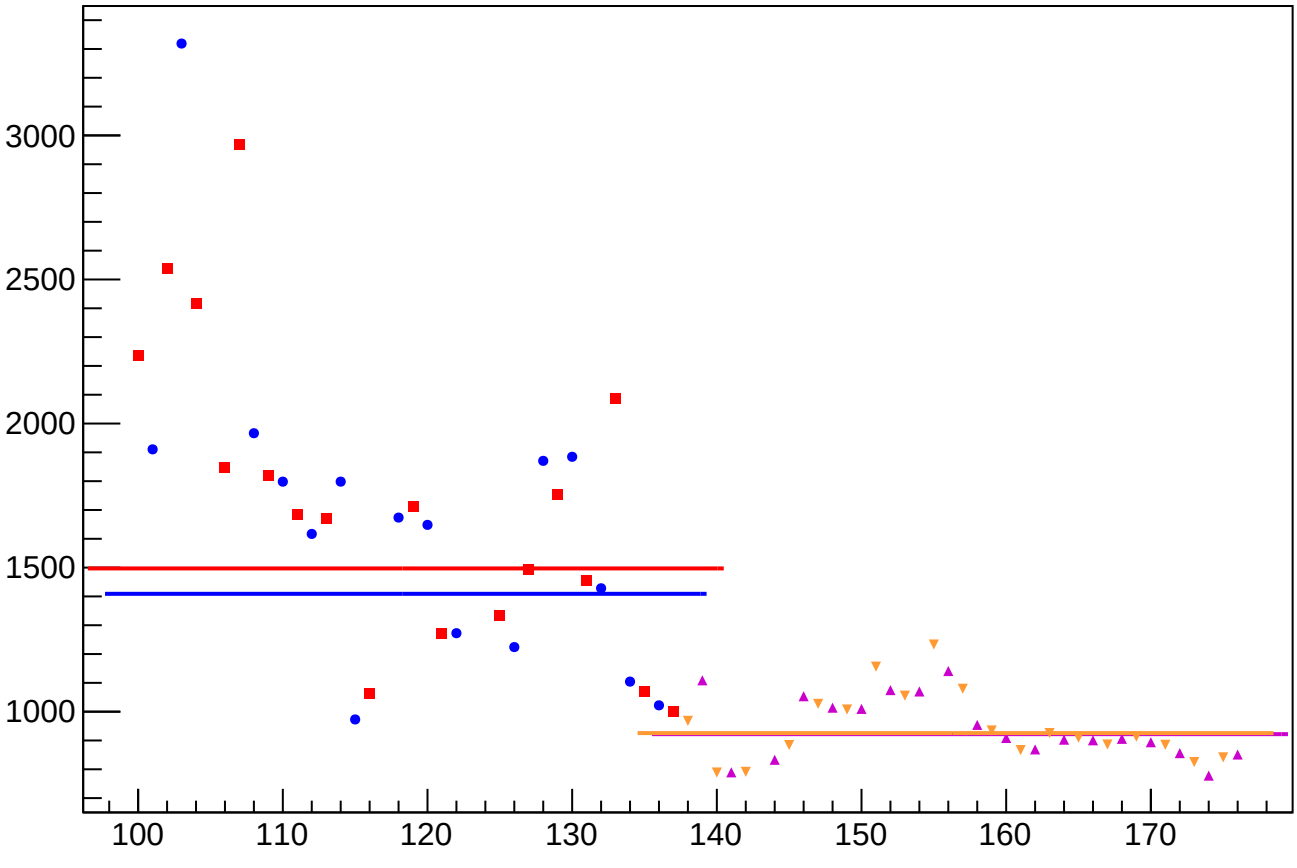
Left: -385.356+/-168.523 χ^2/NDF: 96.5/37

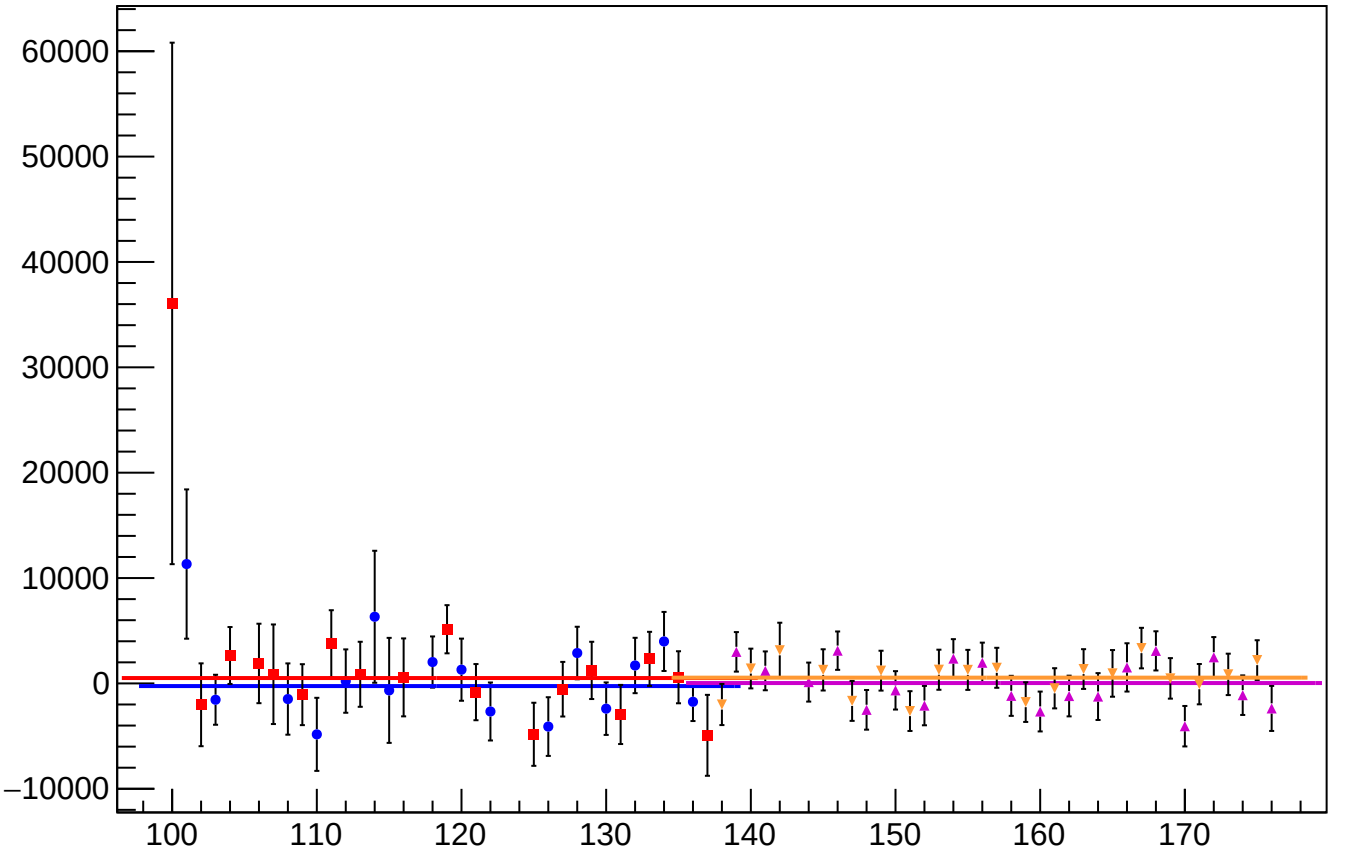
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 64.339+/-216.756 χ^2/NDF:48.2/34

Out: -747.422+/-222.724 χ^2/NDF:81.3/36

All: -330.520+/-155.337 χ^2/NDF: 136.3/71


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: 925.658+/-0.170 χ²/NDF:390879.4/18
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 921.996+/-0.167 χ²/NDF:389818.2/18
Left: 923.789+/-0.119 χ²/NDF: 780933.5/37
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 997.708+/-0.153 χ²/NDF:2882508.0/34
Out: 1008.528+/-0.157 χ²/NDF:3041558.0/36
All: 1002.971+/-0.110 χ²/NDF: 5926490.5/71



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 34.975+/-440.072 χ^2/NDF:25.8/18

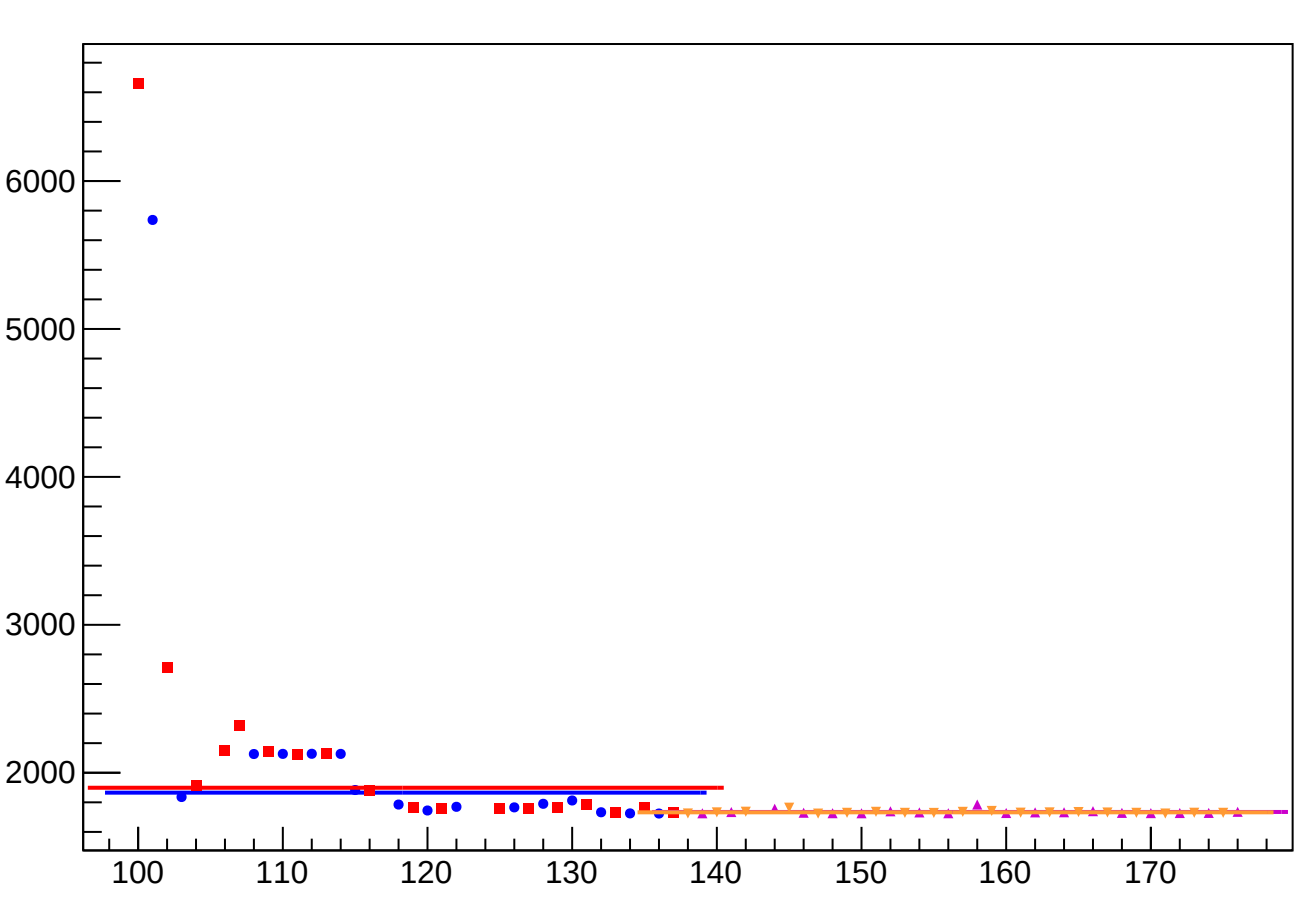
Left: 287.216+/-313.400 χ^2/NDF: 39.4/37

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -44.686+/-374.045 χ^2/NDF:41.5/34

Out: 536.514+/-378.741 χ^2/NDF:29.4/36

All: 242.289+/-266.134 χ^2/NDF: 72.1/71



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

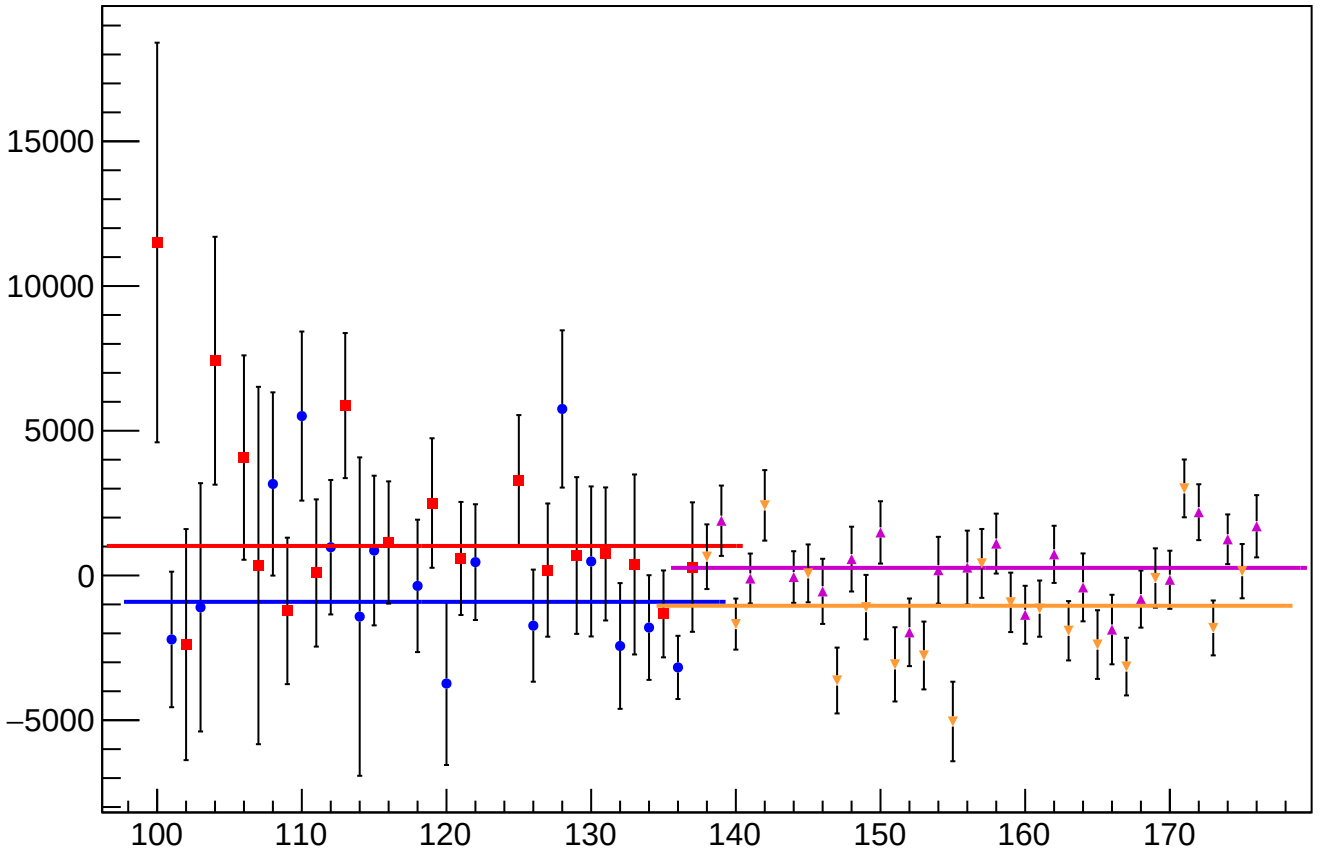
Left: 1733.695+/-0.222 χ^2/NDF: 2793.8/37

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1771.120+/-0.264 χ^2/NDF:725882.6/34

Out: 1779.030+/-0.268 χ^2/NDF:347459.3/36

All: 1775.026+/-0.188 χ^2/NDF: 1073783.5/71



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1046.157+/-243.999 χ^2/NDF:58.1/18

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 262.391+/-238.934 χ^2/NDF:23.0/18

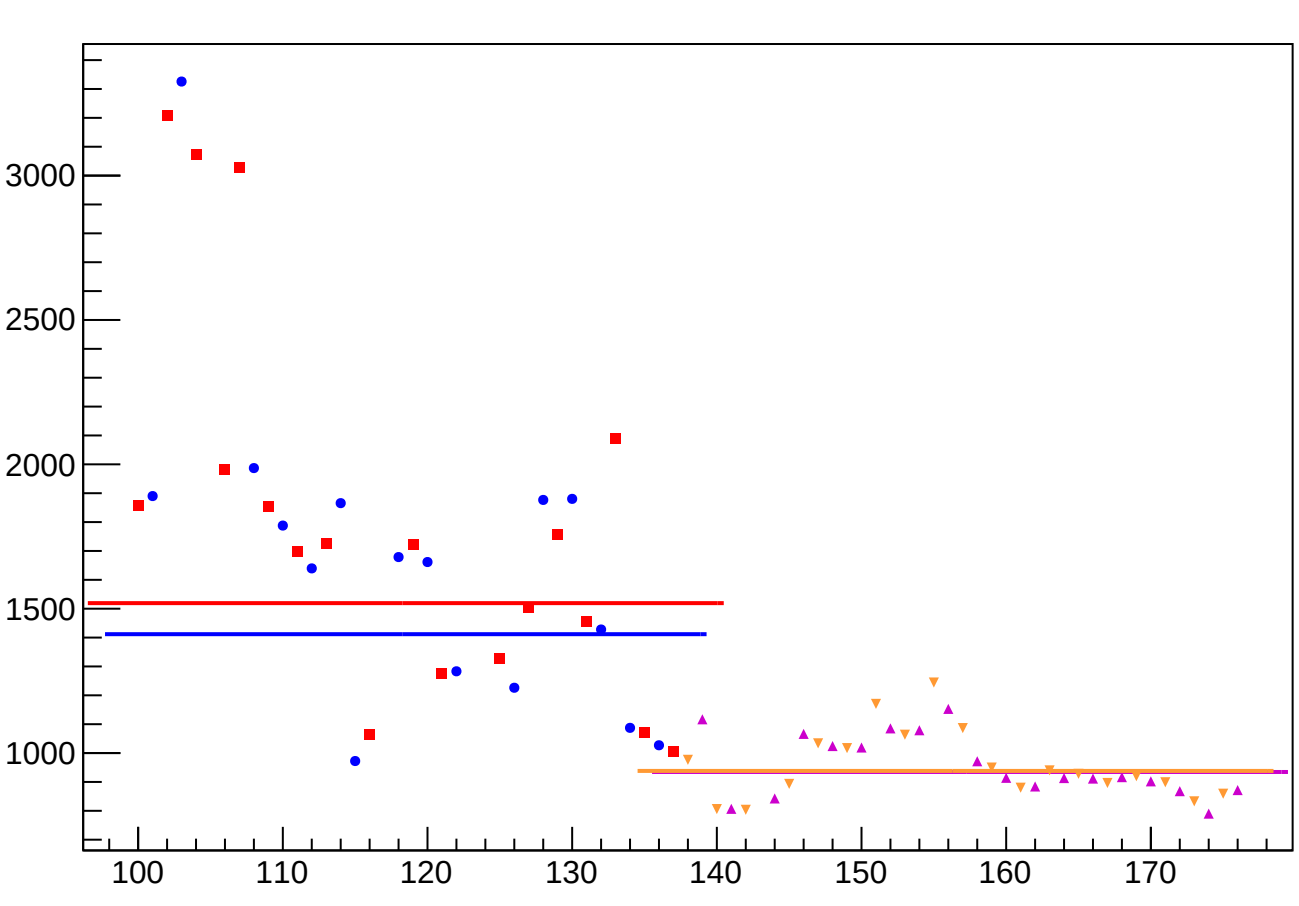
Left: -378.160+/-170.714 χ^2/NDF: 95.8/37

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 76.583+/-219.201 χ^2/NDF:47.9/34

Out: -745.768+/-225.567 χ^2/NDF:83.4/36

All: -322.823+/-157.201 χ^2/NDF: 138.1/71



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.190+/-0.173 χ^2/NDF:372483.1/18

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 934.494+/-0.169 χ^2/NDF:371673.0/18

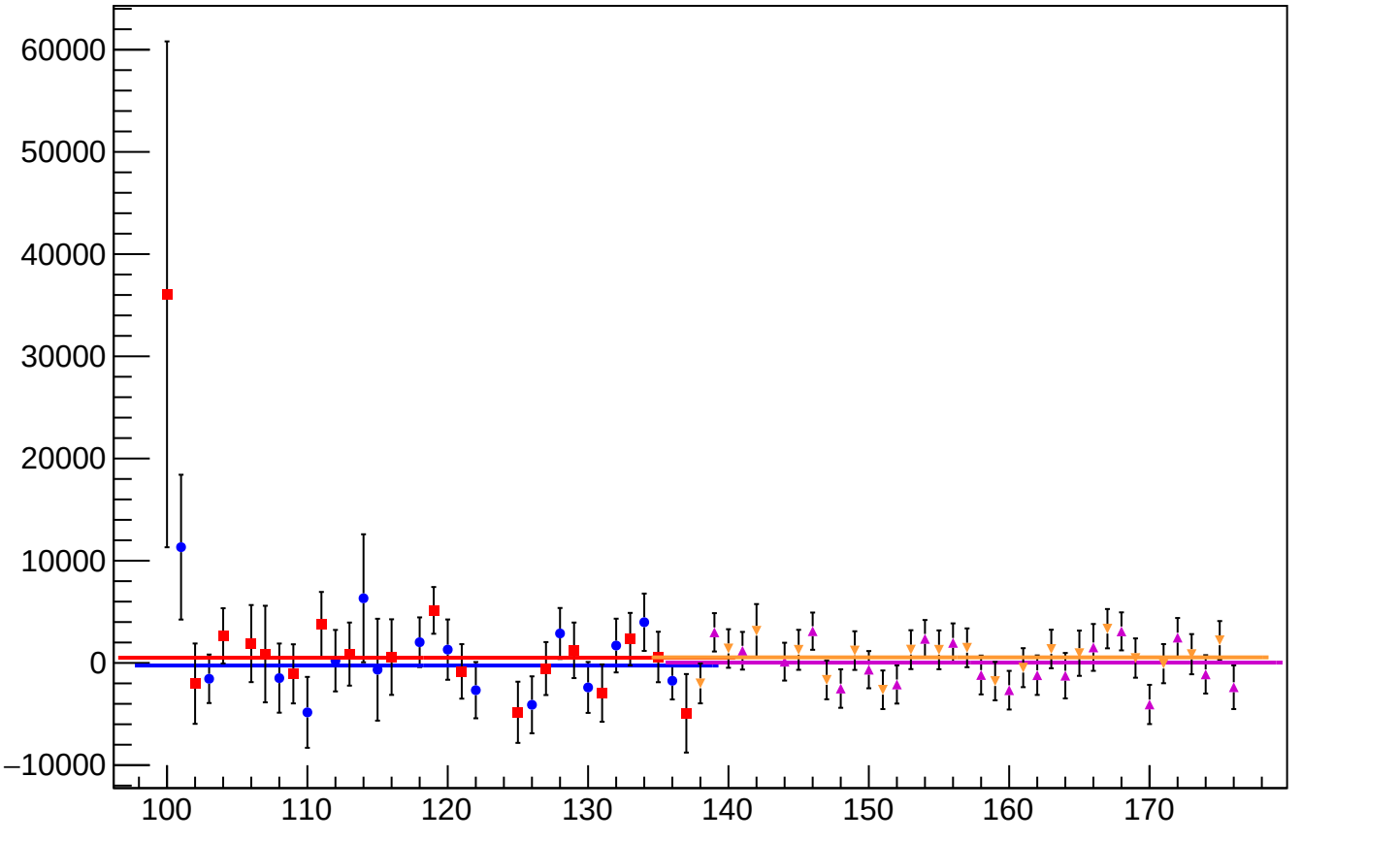
Left: 936.303+/-0.121 χ^2/NDF: 744390.3/37

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1010.071+/-0.155 χ^2/NDF:2813023.8/34

Out: 1022.670+/-0.160 χ^2/NDF:3381826.9/36

All: 1016.190+/-0.111 χ^2/NDF: 6198060.0/71



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 546.792+/-446.426 χ^2/NDF:13.0/18

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 34.975+/-440.072 χ^2/NDF:25.8/18

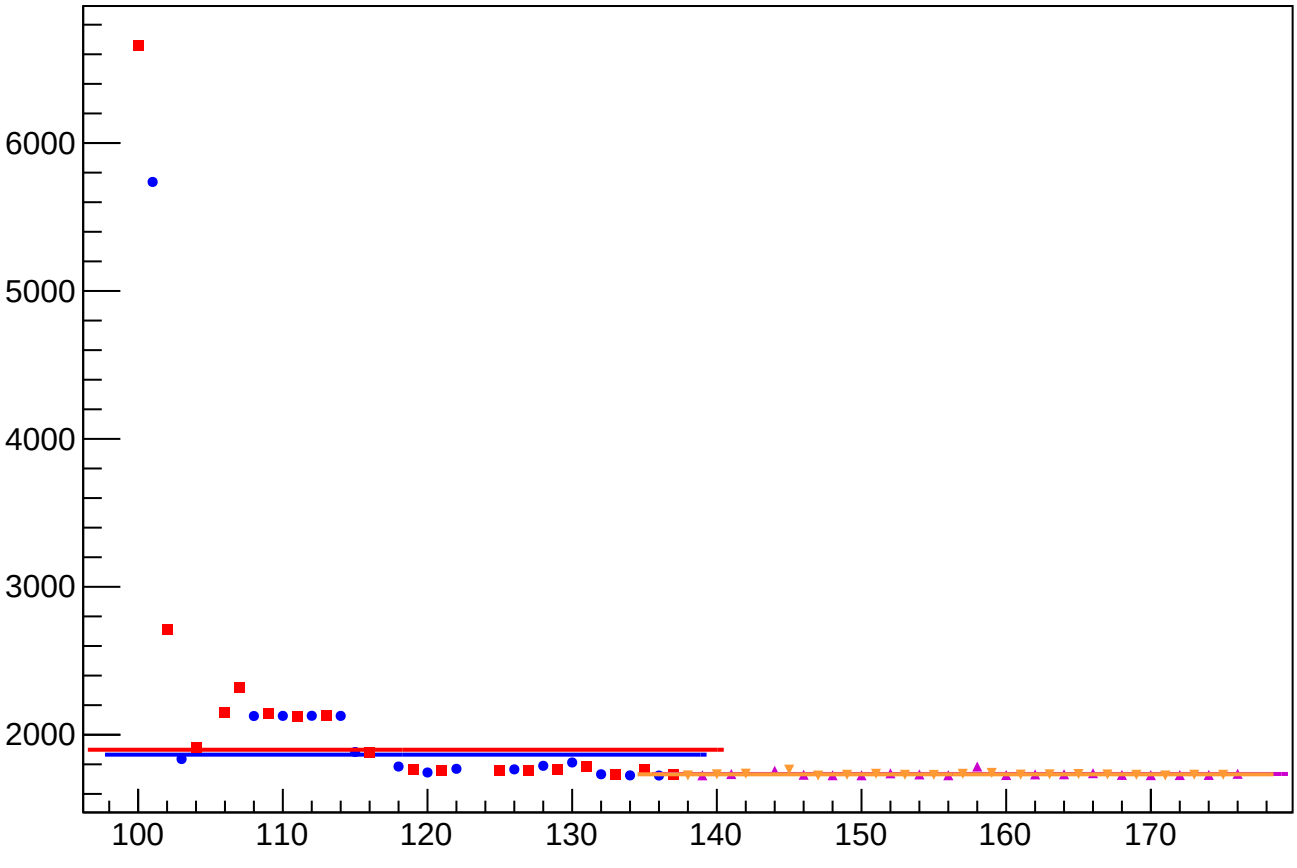
Left: 287.215+/-313.400 χ^2/NDF: 39.4/37

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -44.685+/-374.045 χ^2/NDF:41.5/34

Out: 536.514+/-378.741 χ^2/NDF:29.4/36

All: 242.289+/-266.134 χ^2/NDF: 72.1/71



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.473+/-0.316 χ^2/NDF:731.1/18

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

Left: 1733.695+/-0.222 χ^2/NDF: 2793.8/37

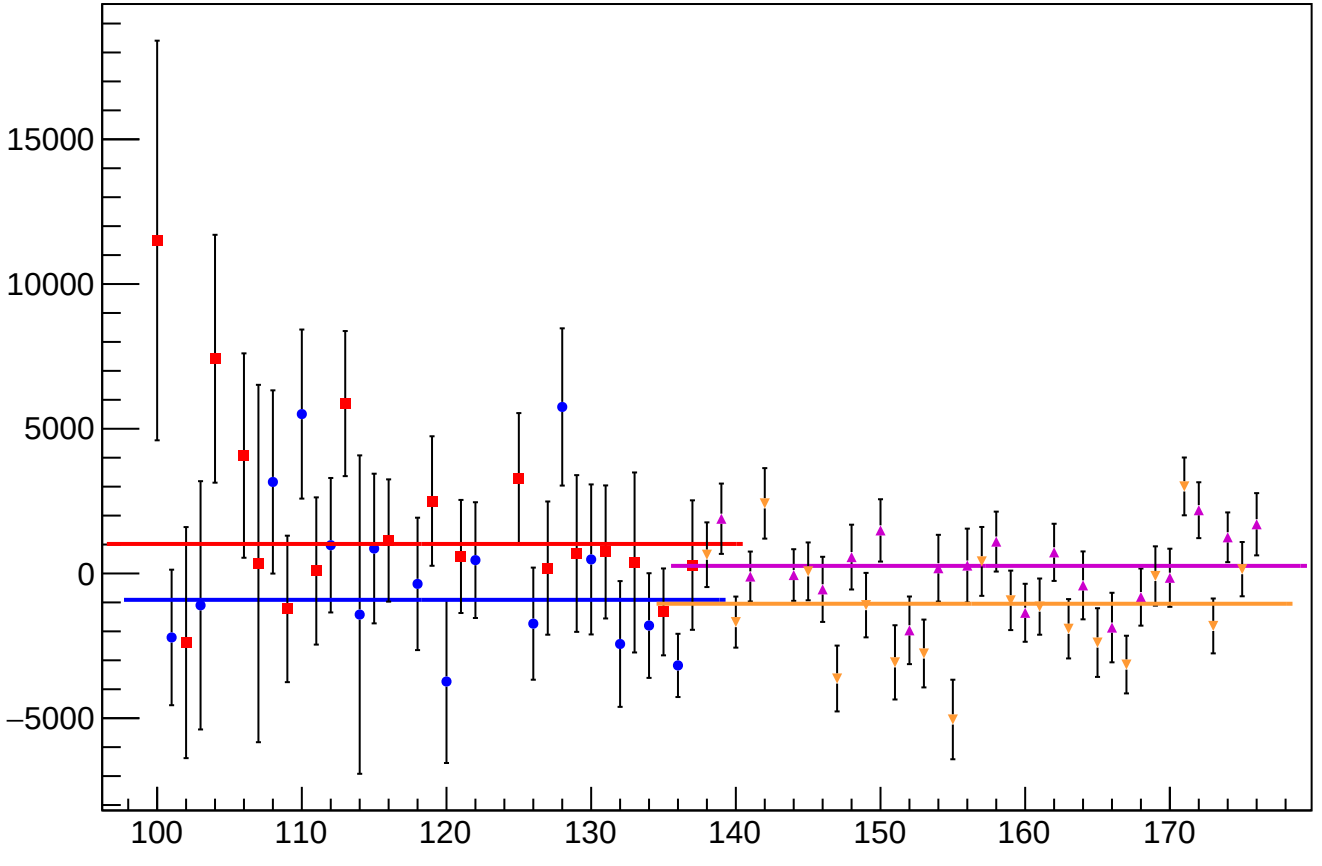
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1771.120+/-0.264 χ^2/NDF:725882.5/34

Out: 1779.030+/-0.268 χ^2/NDF:347459.0/36

All: 1775.026+/-0.188 χ^2/NDF: 1073783.2/71

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: -1046.156+/-243.999 χ^2/NDF:58.1/18

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 262.389+/-238.934 χ^2/NDF:23.0/18

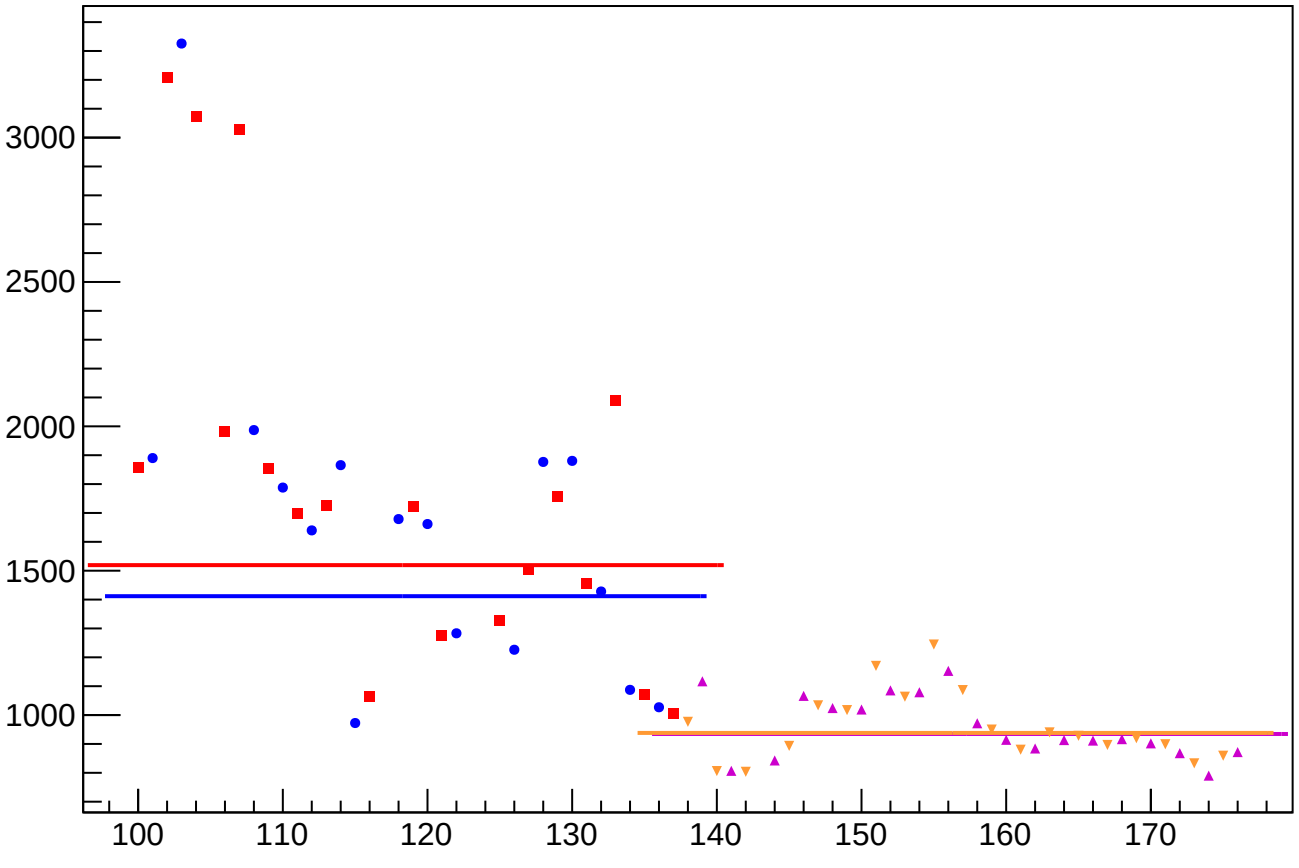
Left: -378.160+/-170.714 χ^2/NDF: 95.8/37

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 76.581+/-219.200 χ^2/NDF:47.9/34

Out: -745.766+/-225.567 χ^2/NDF:83.4/36

All: -322.823+/-157.201 χ^2/NDF: 138.1/71



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.189+/-0.173 χ^2/NDF:372491.5/18

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 934.494+/-0.169 χ^2/NDF:371681.3/18

Left: 936.303+/-0.121 χ^2/NDF: 744407.0/37

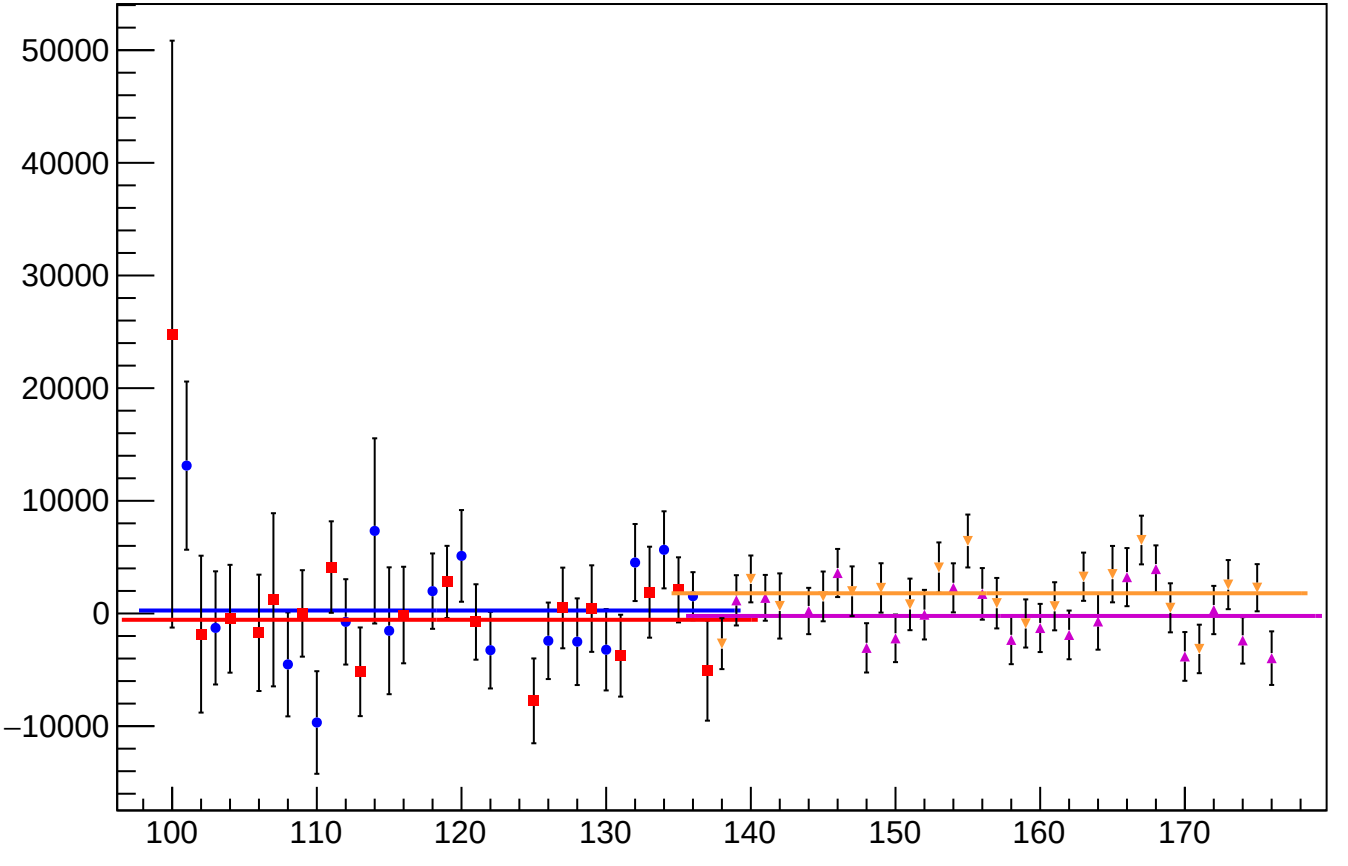
Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1010.071+/-0.155 χ^2/NDF:2813021.0/34

Out: 1022.670+/-0.159 χ^2/NDF:3381831.0/36

All: 1016.190+/-0.111 χ^2/NDF: 6198061.2/71

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1793.313+/-510.780 χ^2/NDF:23.2/18

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -219.486+/-502.099 χ^2/NDF:22.8/18

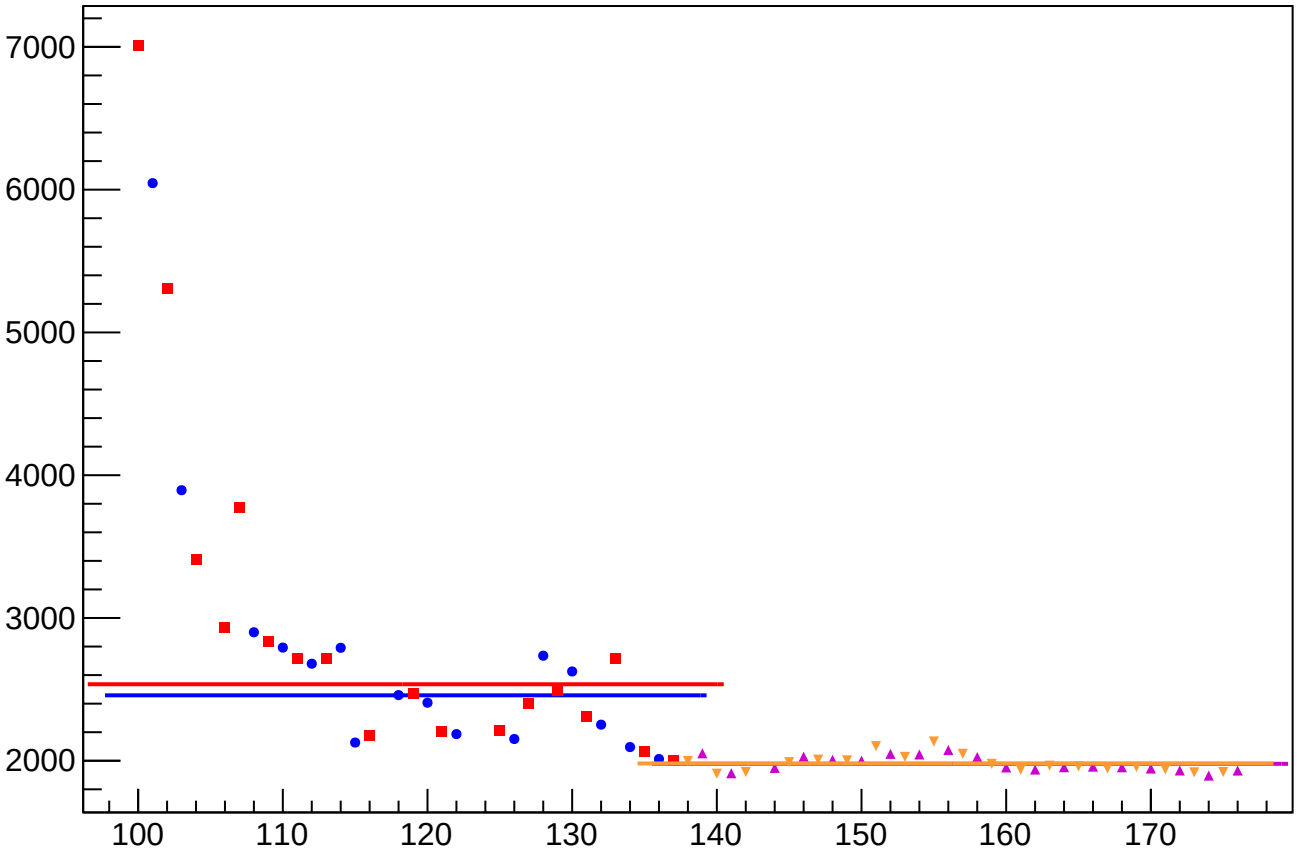
Left: 769.663+/-358.067 χ^2/NDF: 53.9/37

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -112.428+/-443.085 χ^2/NDF:42.1/34

Out: 1276.360+/-451.230 χ^2/NDF:39.6/36

All: 569.319+/-316.149 χ^2/NDF: 86.5/71



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1981.053+/-0.361 χ^2/NDF:26643.0/18

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1978.549+/-0.355 χ^2/NDF:21592.1/18

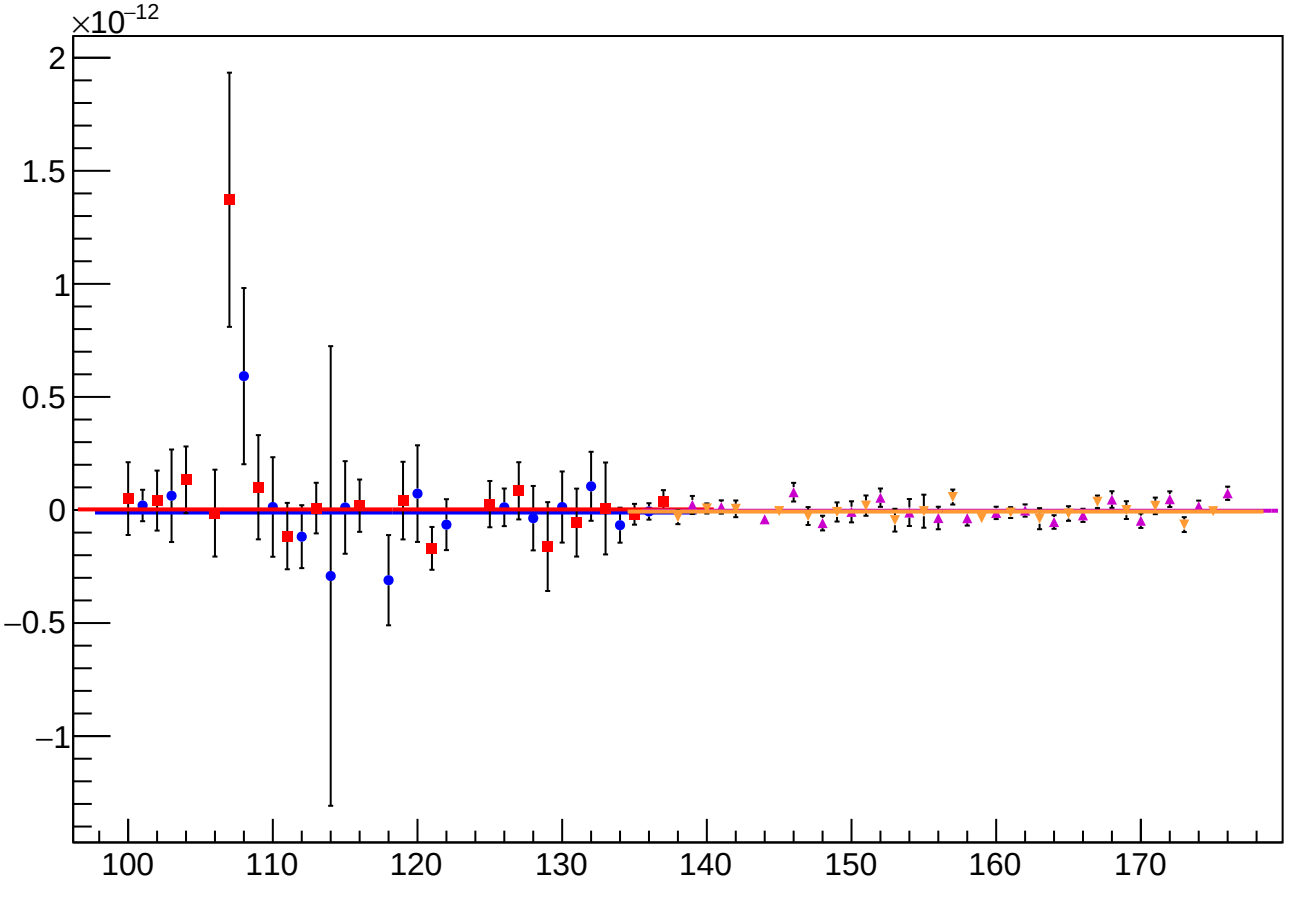
Left: 1979.779+/-0.253 χ^2/NDF: 48259.6/37

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2084.703+/-0.313 χ^2/NDF:1258528.5/34

Out: 2102.862+/-0.319 χ^2/NDF:1217970.1/36

All: 2093.617+/-0.224 χ^2/NDF: 2478147.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:31.0/18

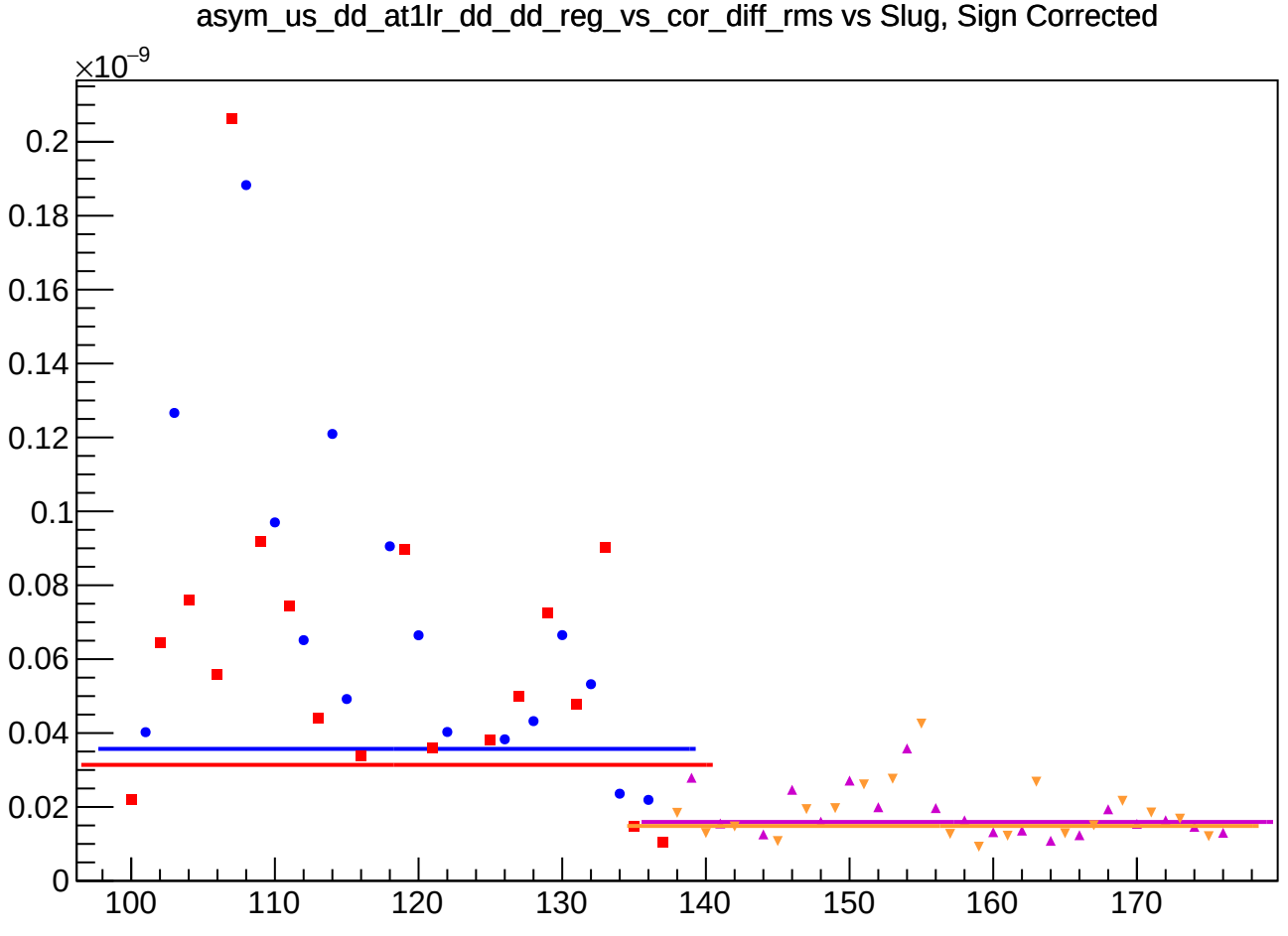
Left: -0.000+/-0.000 χ^2/NDF: 45.4/37

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:38.4/34

Out: -0.000+/-0.000 χ^2/NDF:27.6/36

All: -0.000+/-0.000 χ^2/NDF: 66.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130551.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:855489.8/18

Left: 0.000+/-0.000 χ^2/NDF: 2008829.6/37

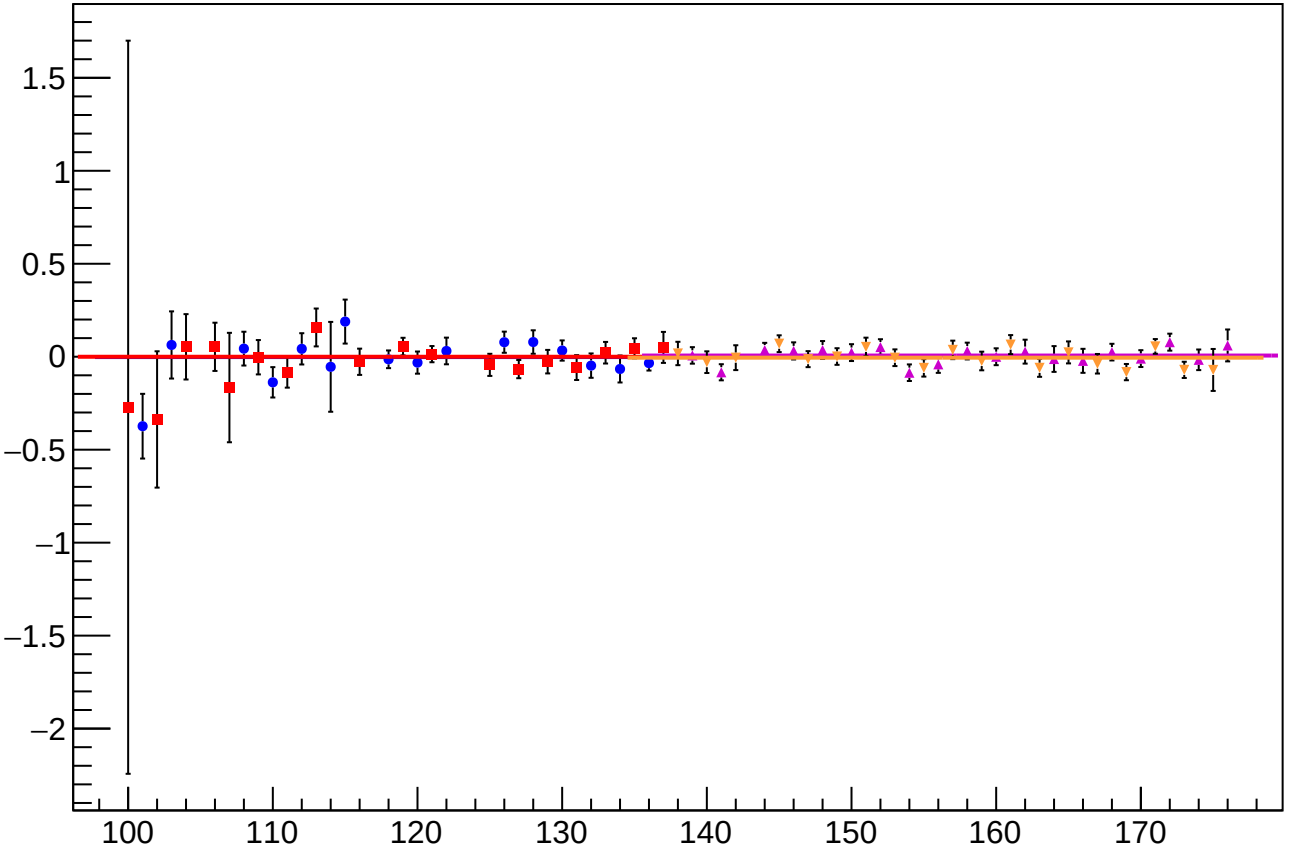
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3667928.8/34

Out: 0.000+/-0.000 χ^2/NDF:4049398.0/36

All: 0.000+/-0.000 χ^2/NDF: 7761855.1/71

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: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.001+/-0.008 χ^2/NDF: 35.3/37

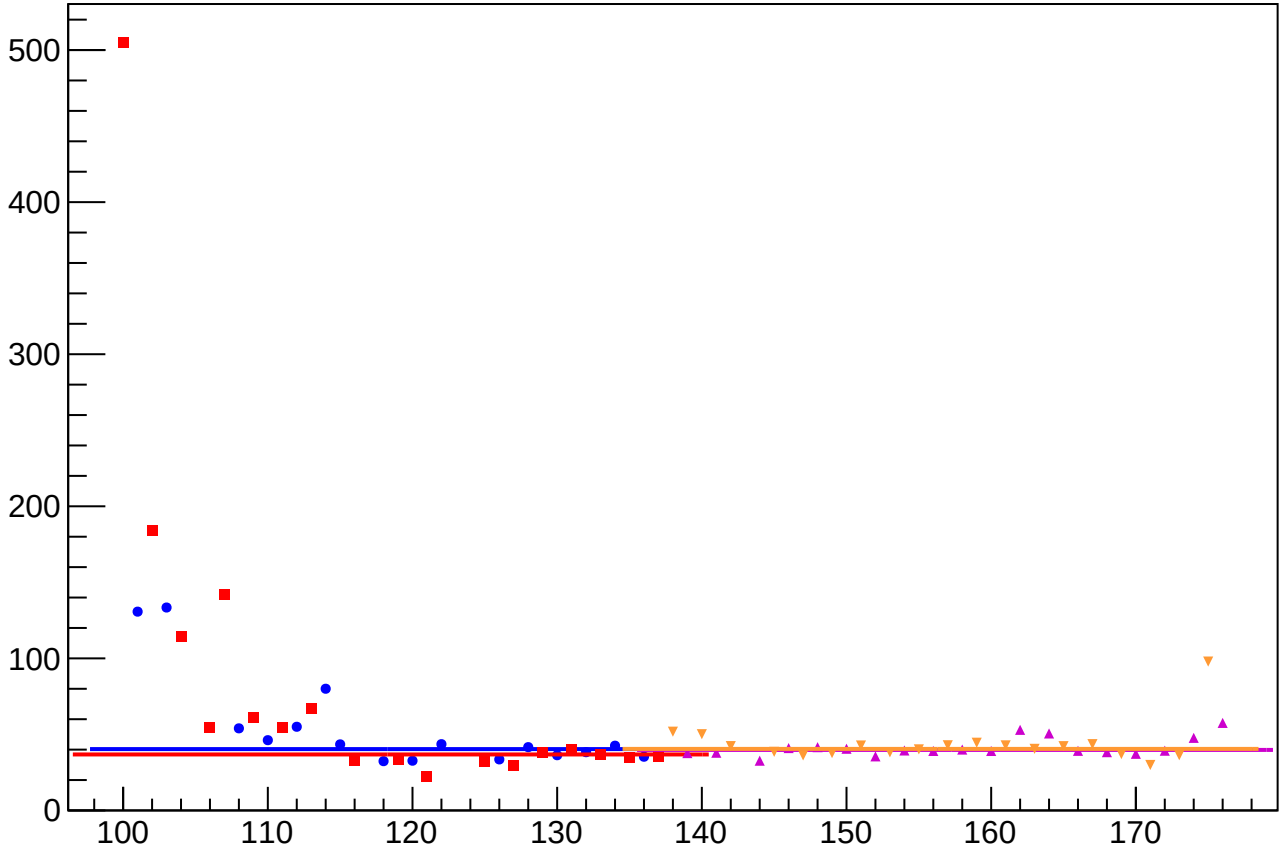
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: 0.000+/-0.007 χ^2/NDF: 63.3/71

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: 40.477+/-0.008 χ^2/NDF:883136.8/18

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

Left: 40.130+/-0.006 χ^2/NDF: 1255962.7/37

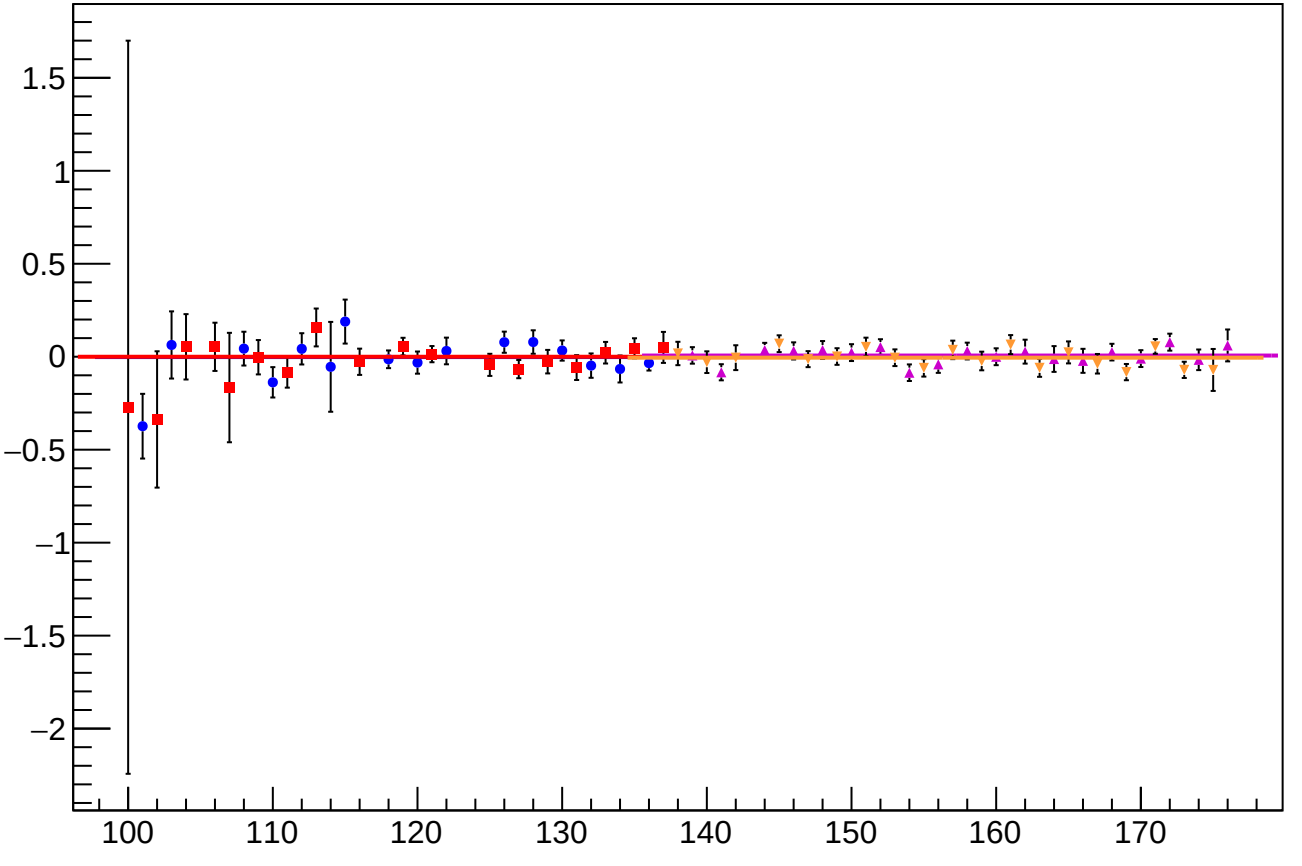
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.966+/-0.007 χ^2/NDF:1780821.5/34

Out: 39.312+/-0.007 χ^2/NDF:2785677.2/36

All: 39.644+/-0.005 χ^2/NDF: 4571406.7/71

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: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.001+/-0.008 χ^2/NDF: 35.3/37

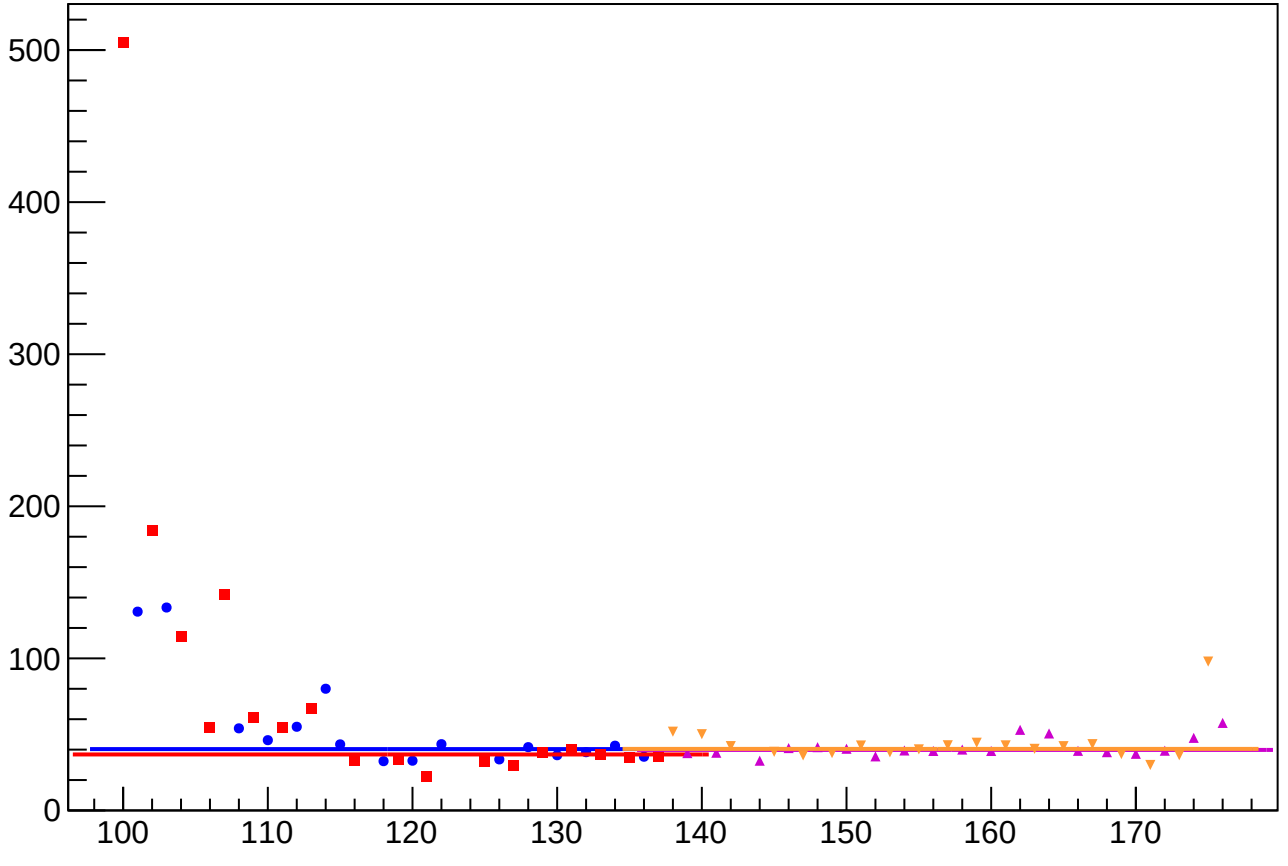
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: 0.000+/-0.007 χ^2/NDF: 63.3/71

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: 40.477+/-0.008 χ^2/NDF:883136.8/18

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

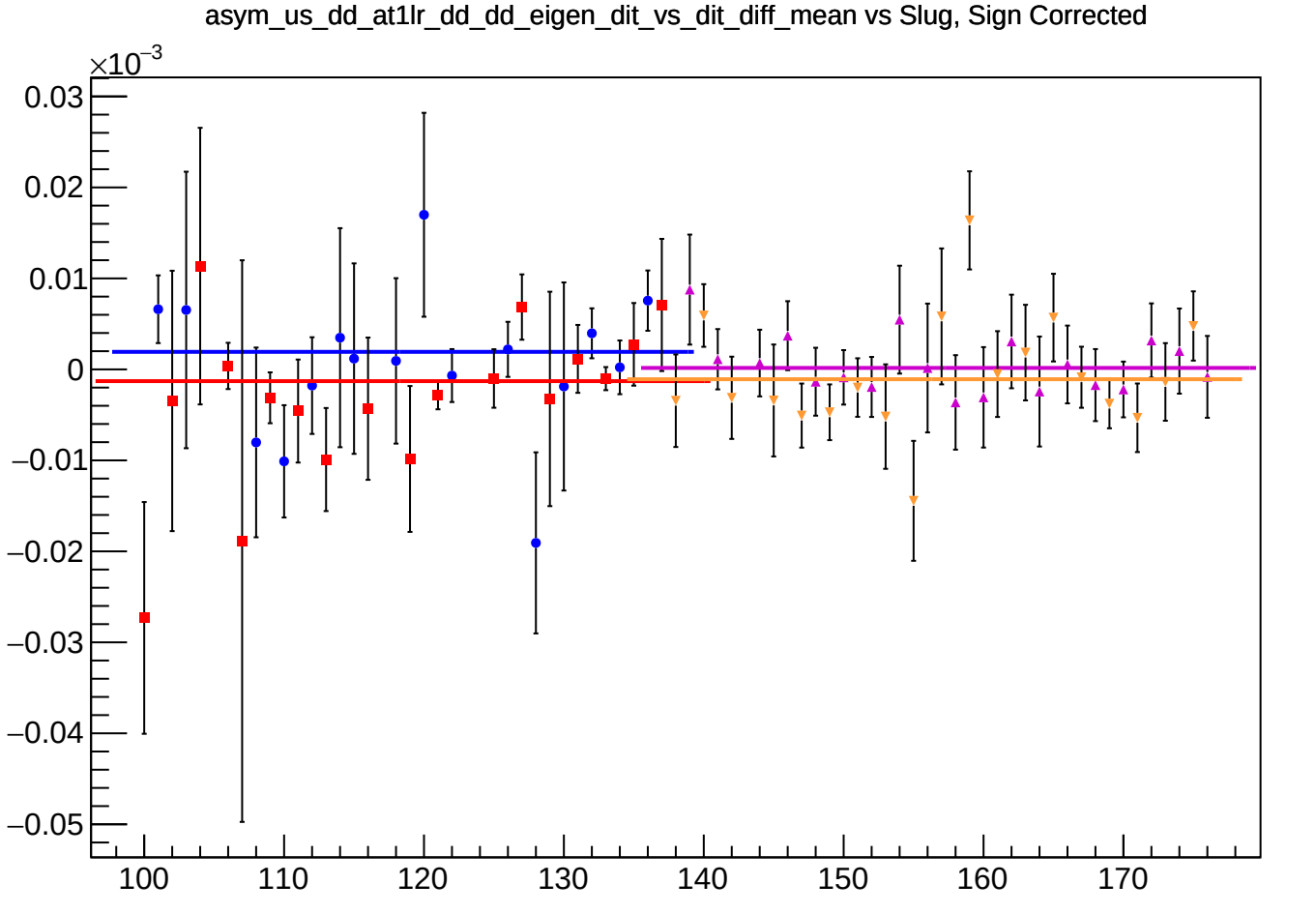
Left: 40.130+/-0.006 χ^2/NDF: 1255962.7/37

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

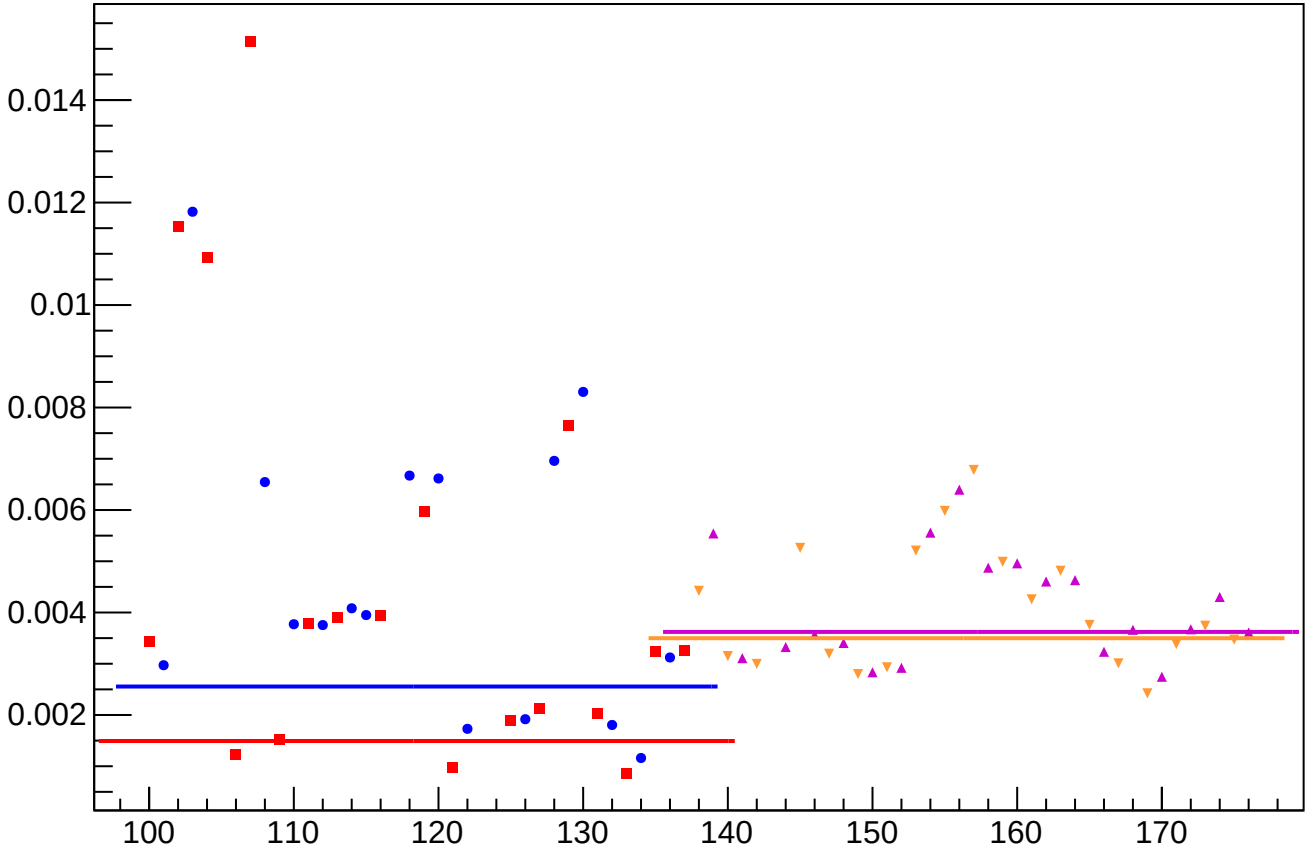
In: 39.966+/-0.007 χ^2/NDF:1780821.5/34

Out: 39.312+/-0.007 χ^2/NDF:2785677.2/36

All: 39.644+/-0.005 χ^2/NDF: 4571406.7/71


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:30.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:7.5/18
Left: -0.000+/-0.000 χ²/NDF: 38.7/37
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:26.7/34
Out: -0.000+/-0.000 χ²/NDF:49.3/36
All: -0.000+/-0.000 χ²/NDF: 81.0/71

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:2006941.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1605243.3/18

Left: 0.004+/-0.000 χ^2/NDF: 3628999.4/37

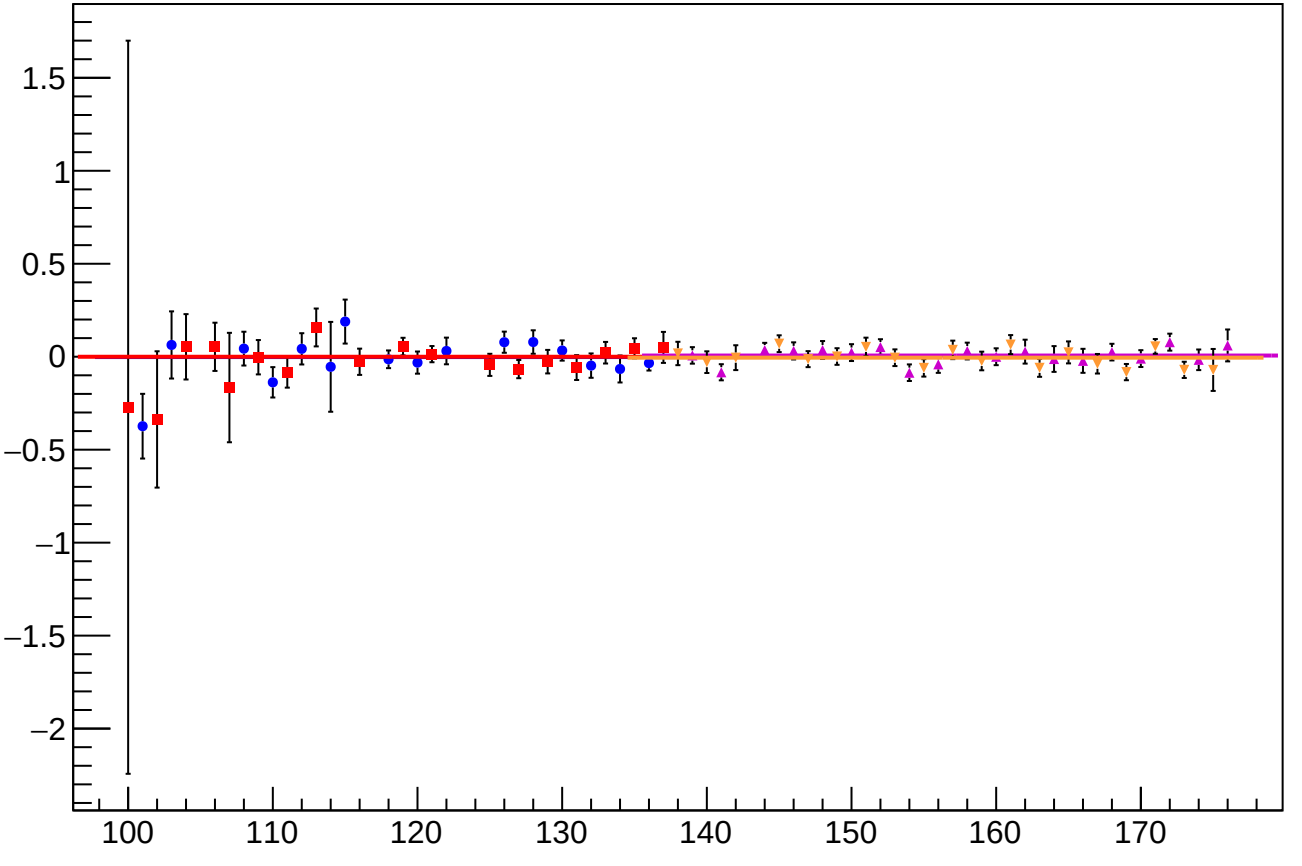
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6414918.9/34

Out: 0.002+/-0.000 χ^2/NDF:13123291.9/36

All: 0.003+/-0.000 χ^2/NDF: 21415100.5/71

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: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.001+/-0.008 χ^2/NDF: 35.3/37

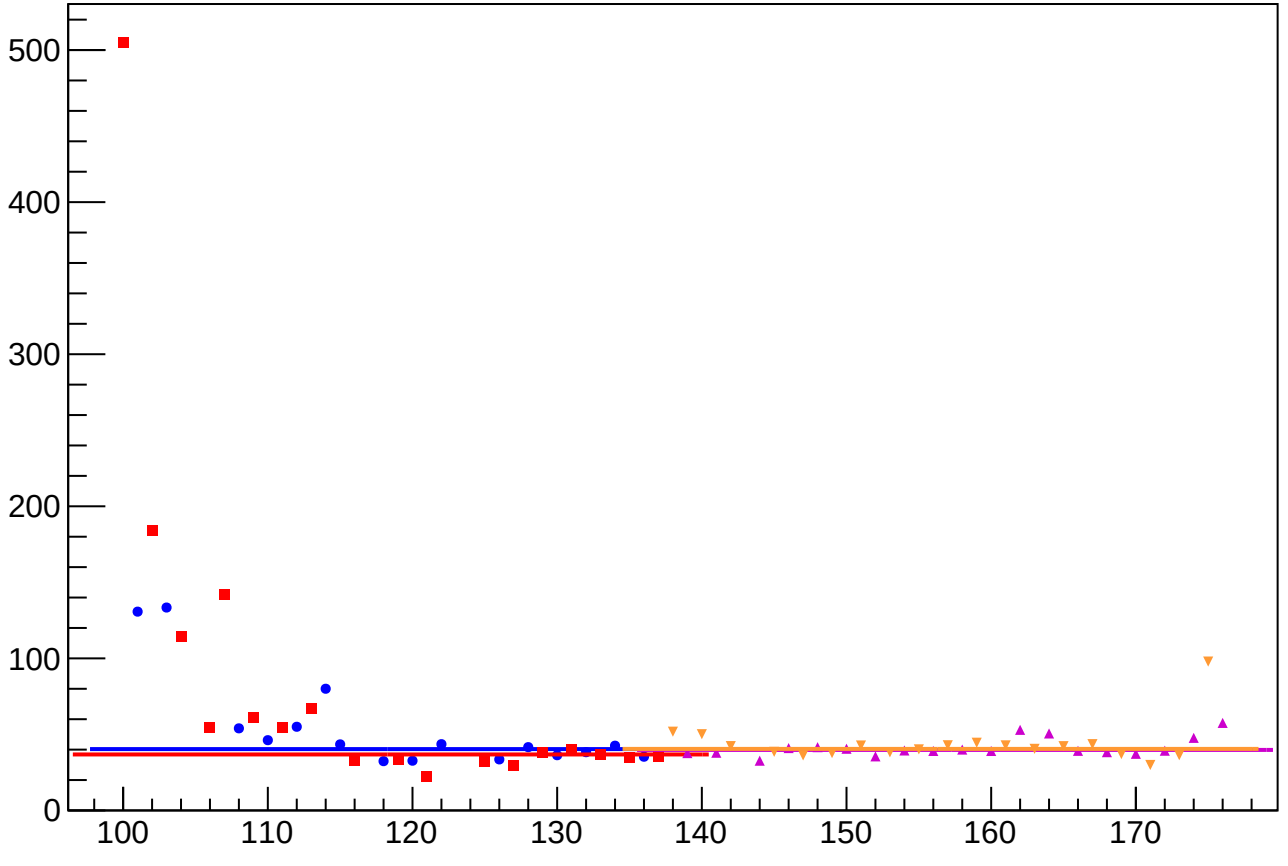
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: 0.000+/-0.007 χ^2/NDF: 63.3/71

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: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

Left: 40.130+/-0.006 χ^2/NDF: 1255952.7/37

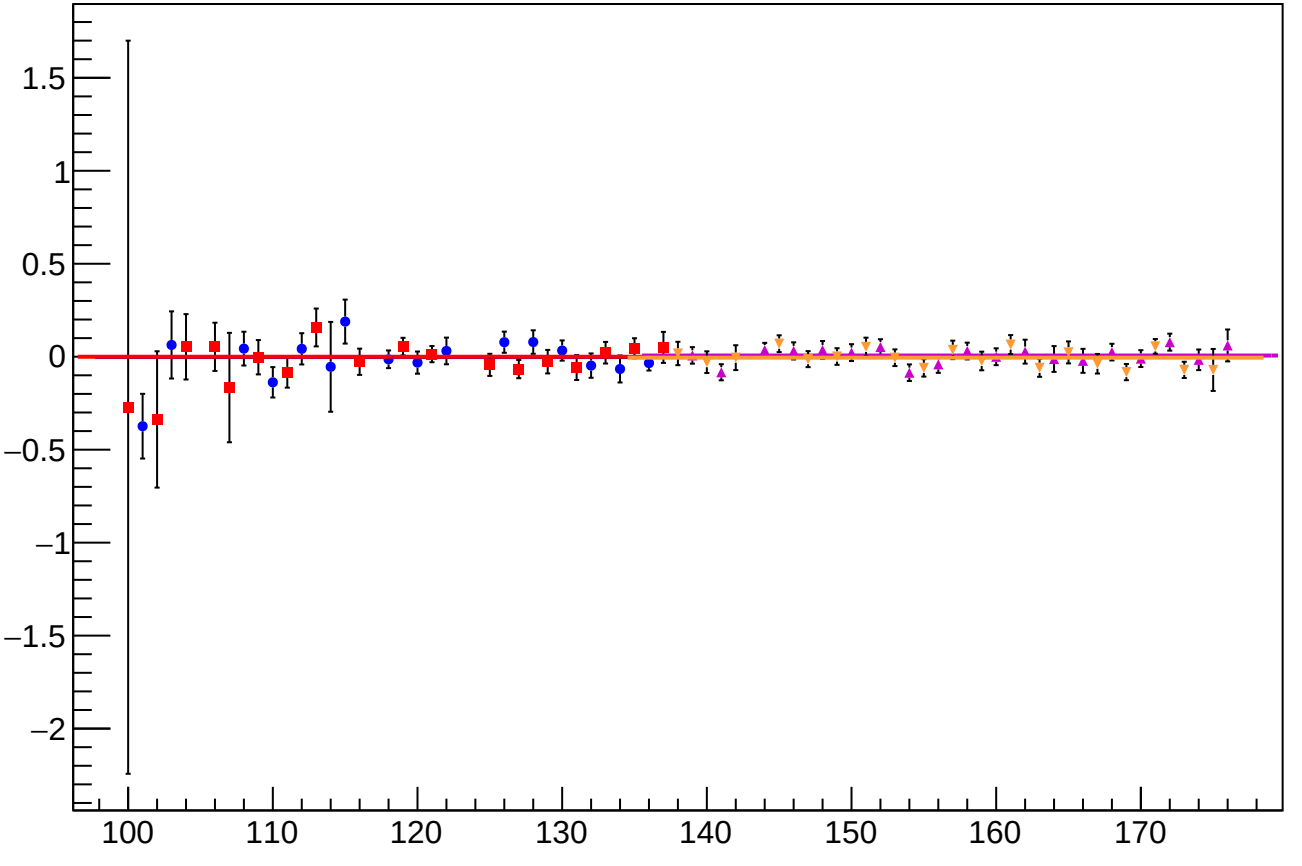
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.966+/-0.007 χ^2/NDF:1780677.2/34

Out: 39.312+/-0.007 χ^2/NDF:2785735.2/36

All: 39.644+/-0.005 χ^2/NDF: 4571328.2/71

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: -0.005+/-0.011 χ^2/NDF:18.6/18

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.001+/-0.008 χ^2/NDF: 35.3/37

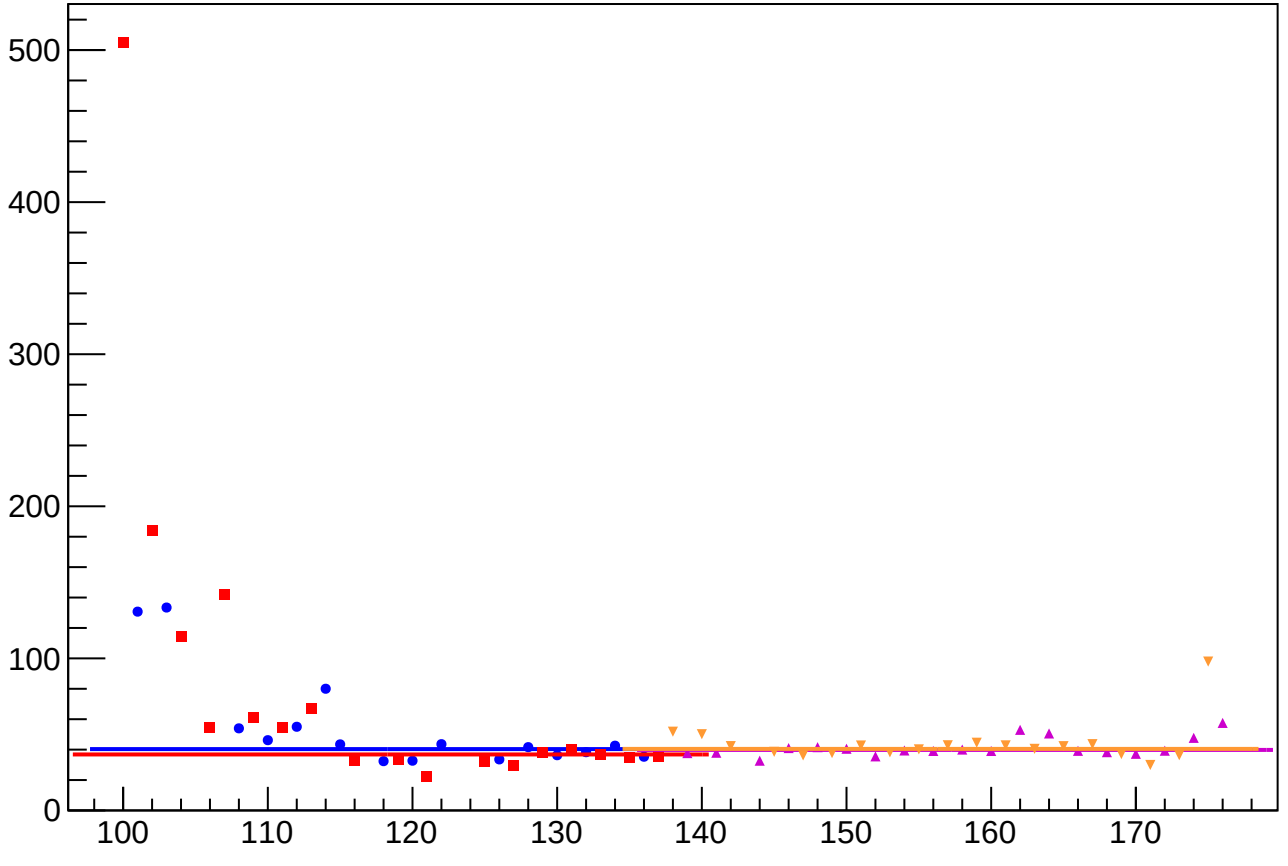
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.004+/-0.009 χ^2/NDF:29.5/36

All: 0.000+/-0.007 χ^2/NDF: 63.3/71

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: 40.477+/-0.008 χ^2/NDF:883175.1/18

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

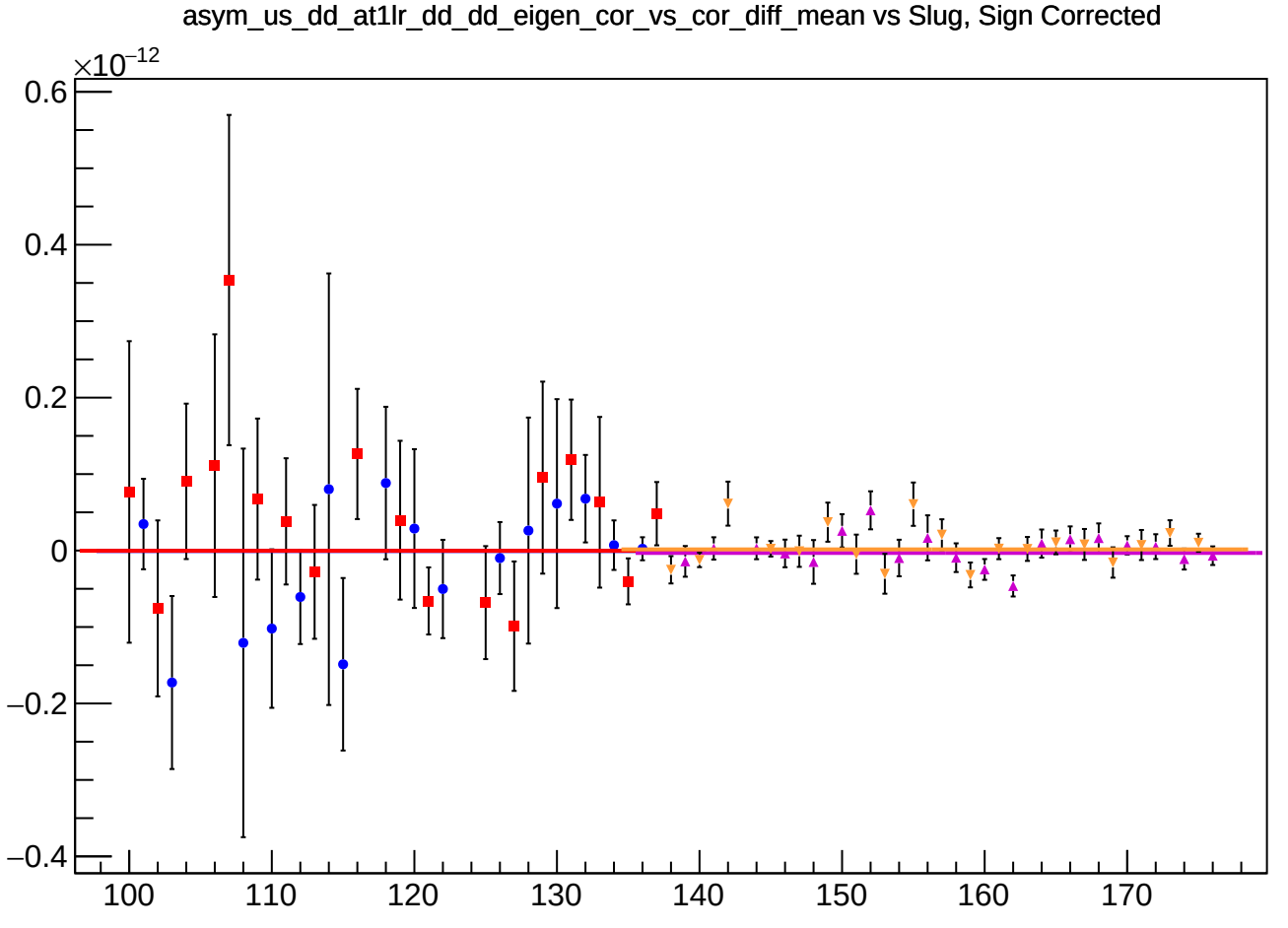
Left: 40.130+/-0.006 χ^2/NDF: 1255952.7/37

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.966+/-0.007 χ^2/NDF:1780677.2/34

Out: 39.312+/-0.007 χ^2/NDF:2785735.2/36

All: 39.644+/-0.005 χ^2/NDF: 4571328.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.6/18

Left: -0.000+/-0.000 χ^2/NDF: 50.5/37

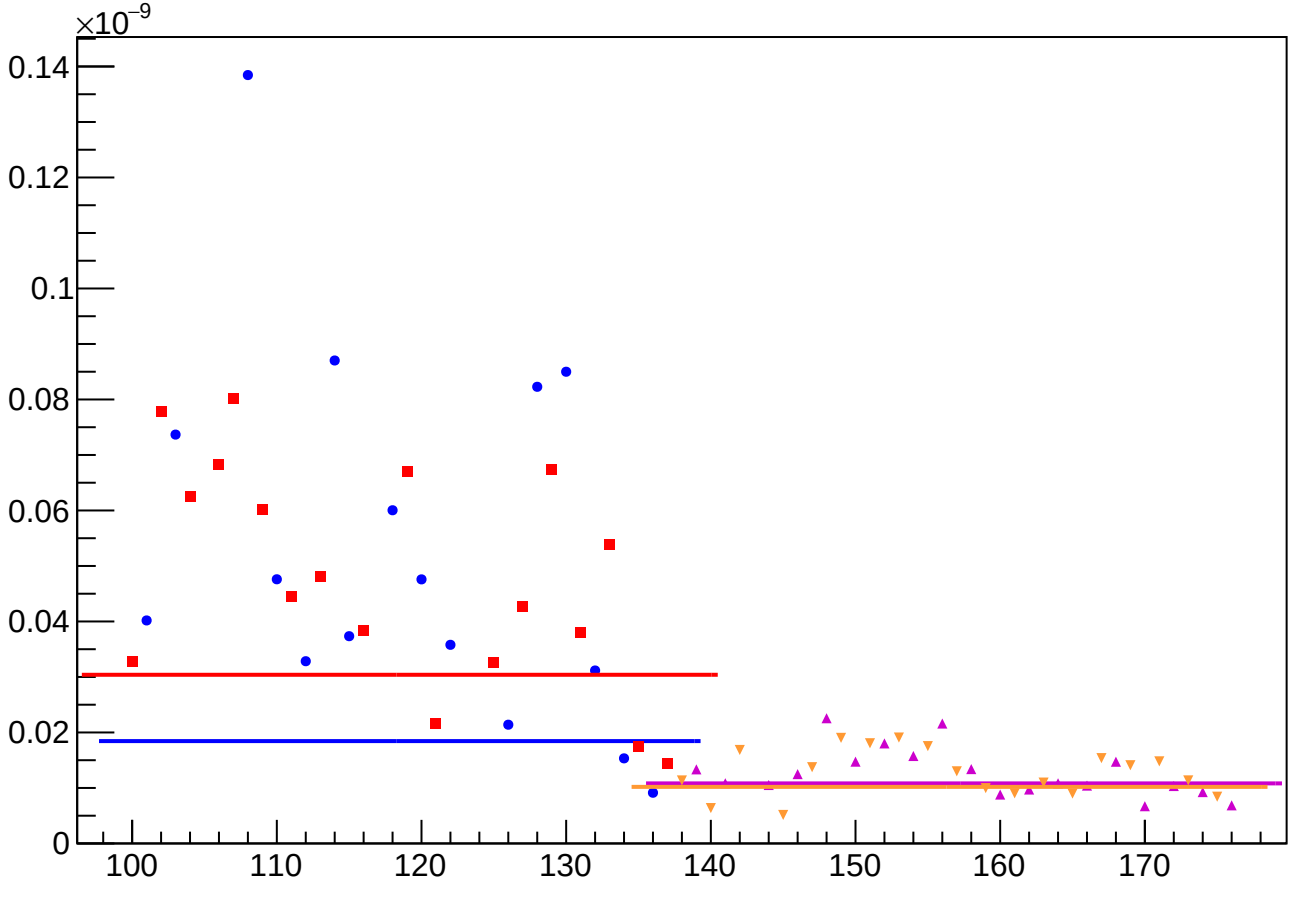
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:34.5/34

Out: 0.000+/-0.000 χ^2/NDF:43.5/36

All: -0.000+/-0.000 χ^2/NDF: 78.8/71

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235854.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1625505.5/18

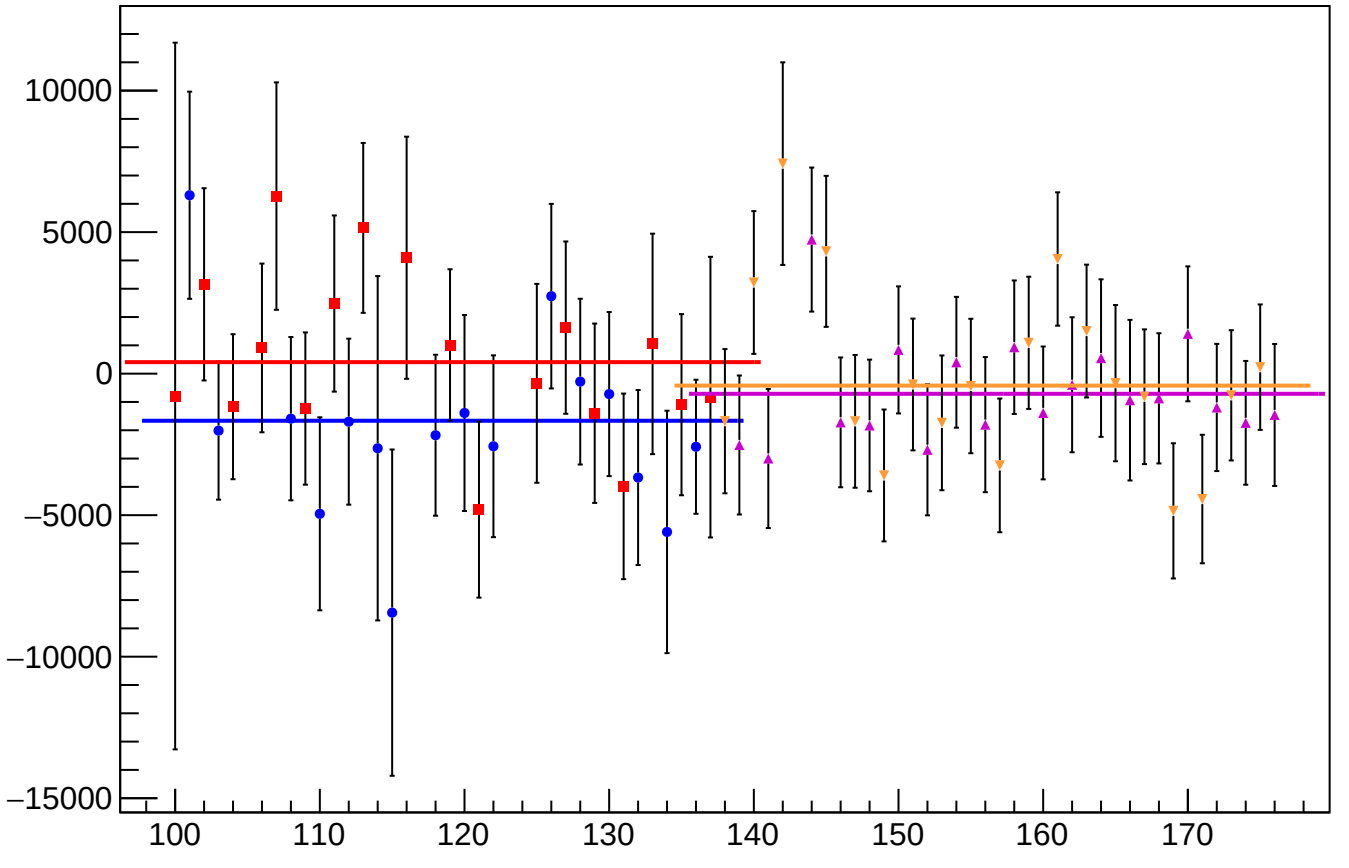
Left: 0.000+/-0.000 χ^2/NDF: 3888857.9/37

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6432579.7/34

Out: 0.000+/-0.000 χ^2/NDF:7485829.5/36

All: 0.000+/-0.000 χ^2/NDF: 13929672.8/71



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.556+/-556.557 χ^2/NDF:25.6/18

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -712.480+/-547.936 χ^2/NDF:10.0/18

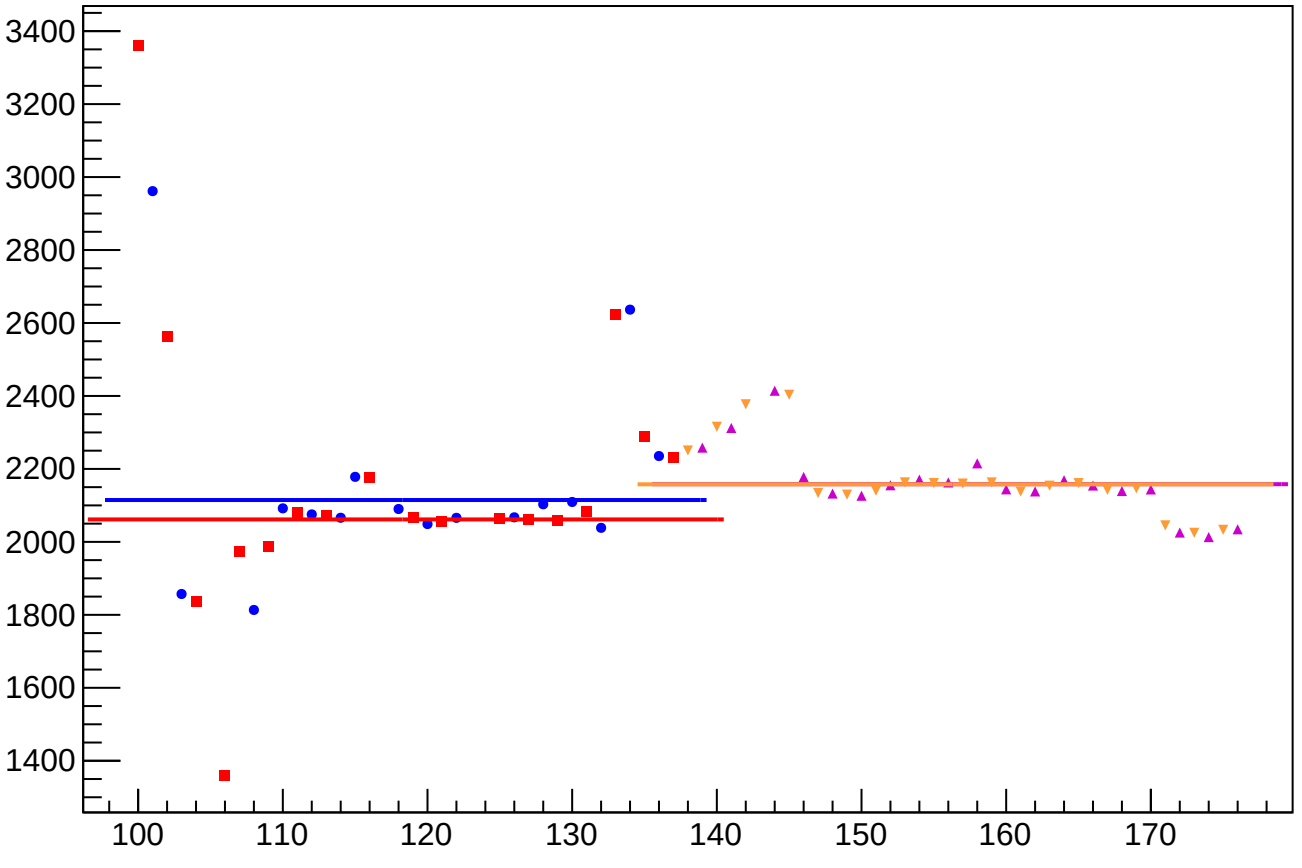
Left: -569.781+/-390.461 χ^2/NDF: 35.7/37

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1020.502+/-450.638 χ^2/NDF:21.8/34

Out: -141.388+/-452.491 χ^2/NDF:39.1/36

All: -582.749+/-319.302 χ^2/NDF: 62.7/71



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2157.978+/-0.276 χ^2/NDF: 108323.7/37

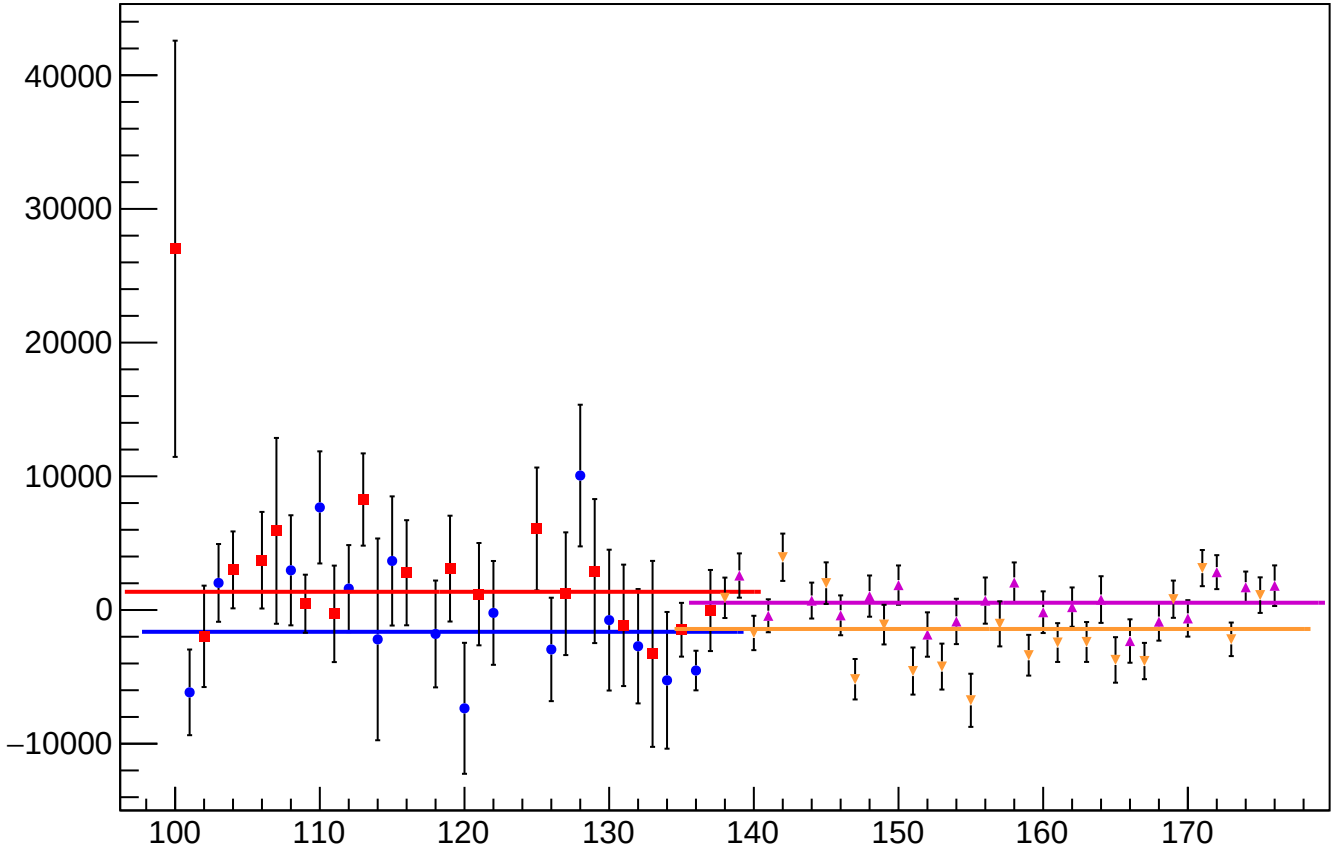
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2144.098+/-0.319 χ^2/NDF:248559.7/34

Out: 2125.183+/-0.320 χ^2/NDF:323207.0/36

All: 2134.679+/-0.226 χ^2/NDF: 573521.2/71

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1418.425+/-344.287 χ^2/NDF:61.2/18

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 543.409+/-337.160 χ^2/NDF:17.3/18

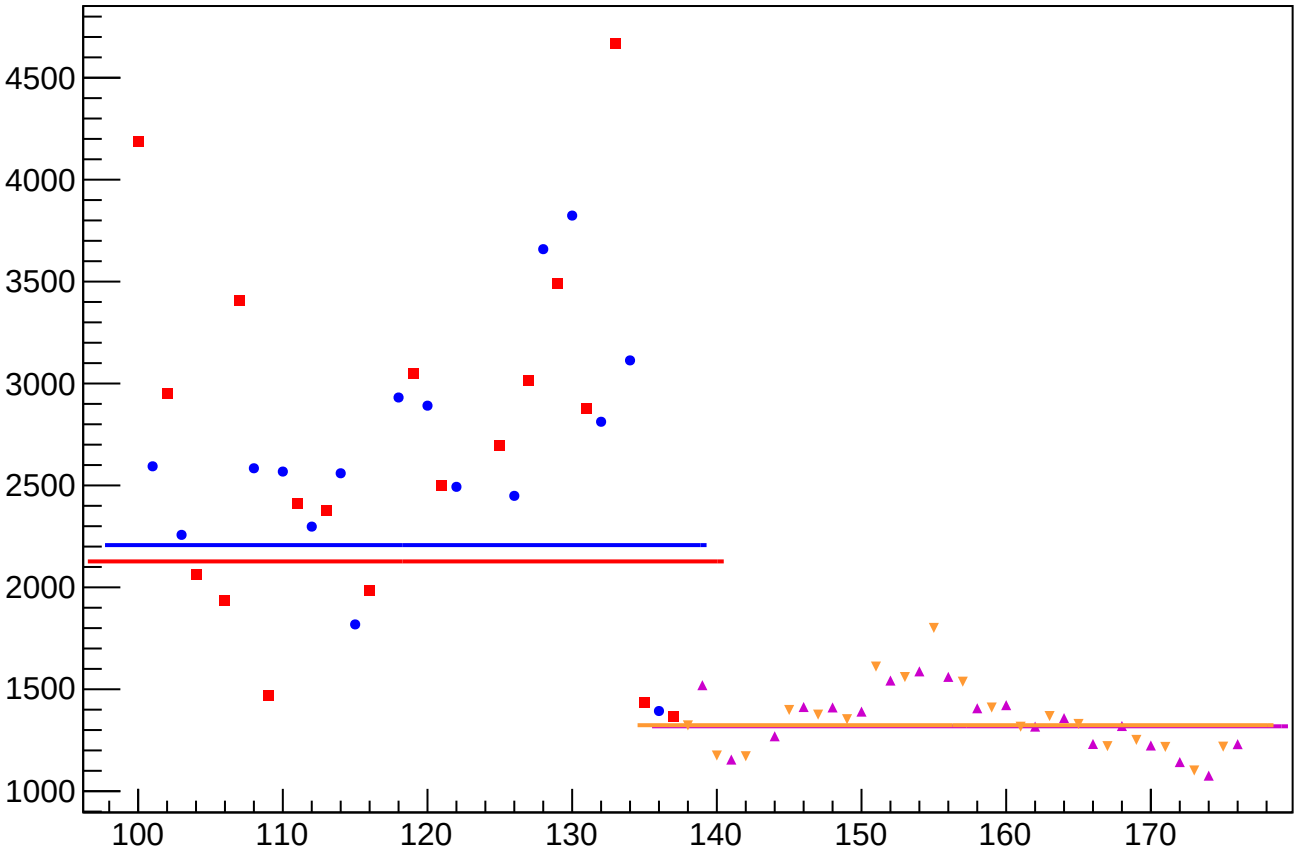
Left: -416.992+/-240.888 χ^2/NDF: 95.1/37

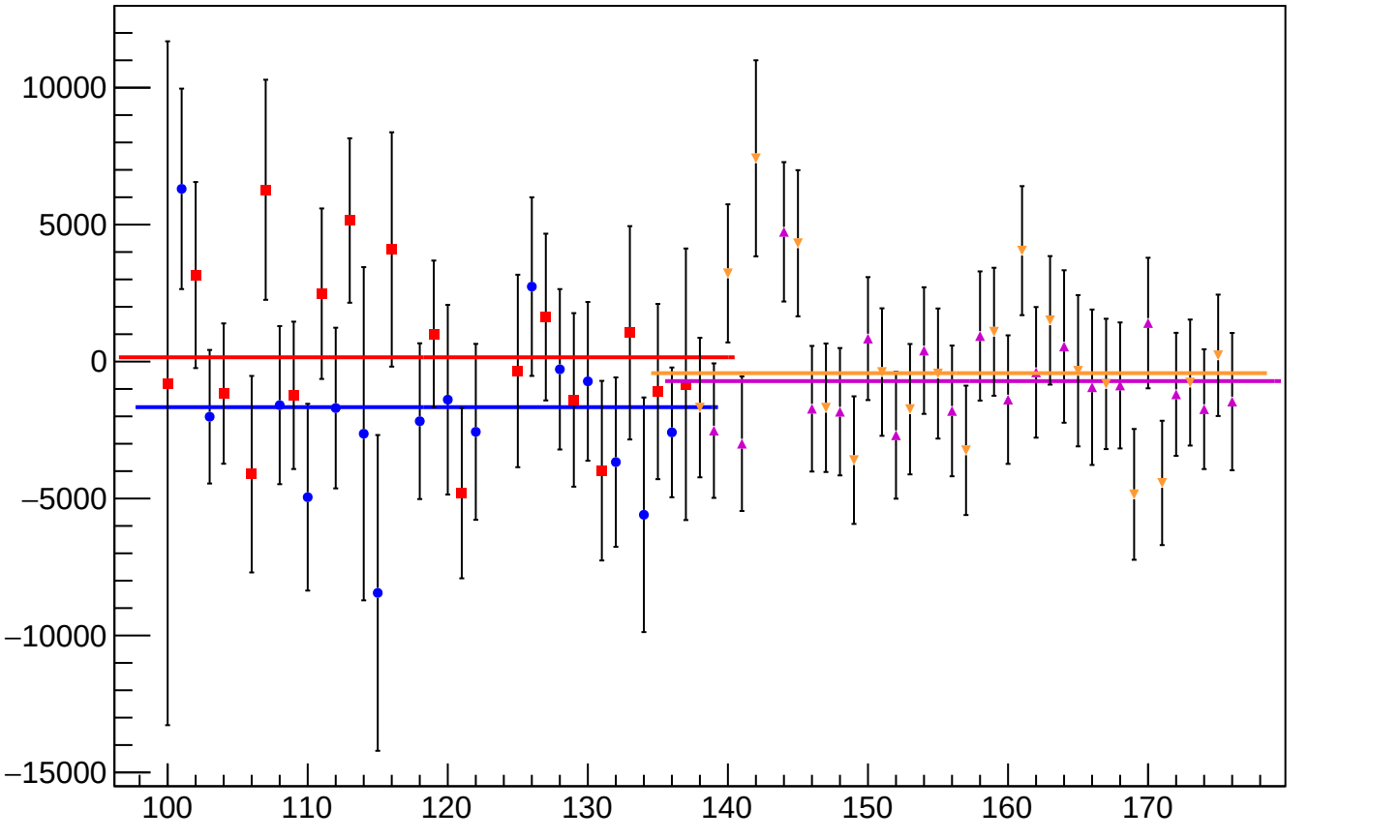
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 255.202+/-314.016 χ^2/NDF:45.6/34

Out: -1018.885+/-318.590 χ^2/NDF:84.1/36

All: -372.630+/-223.642 χ^2/NDF: 137.8/71


asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 2207.254+/-0.610 χ²/NDF: 1249266.5/15
Left Out: 1323.740+/-0.243 χ²/NDF:400565.1/18
Right Out: 2127.224+/-0.594 χ²/NDF: 1458046.9/17
Left In: 1318.345+/-0.238 χ²/NDF:376187.2/18
Left: 1320.986+/-0.170 χ²/NDF: 777002.9/37
Right: 2166.205+/-0.426 χ²/NDF: 2716147.2/33
In: 1436.194+/-0.222 χ²/NDF:3468519.0/34
Out: 1439.205+/-0.225 χ²/NDF:3423985.8/36
All: 1437.678+/-0.158 χ²/NDF: 6892595.5/71



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -712.343+/-547.936 χ^2/NDF:10.0/18

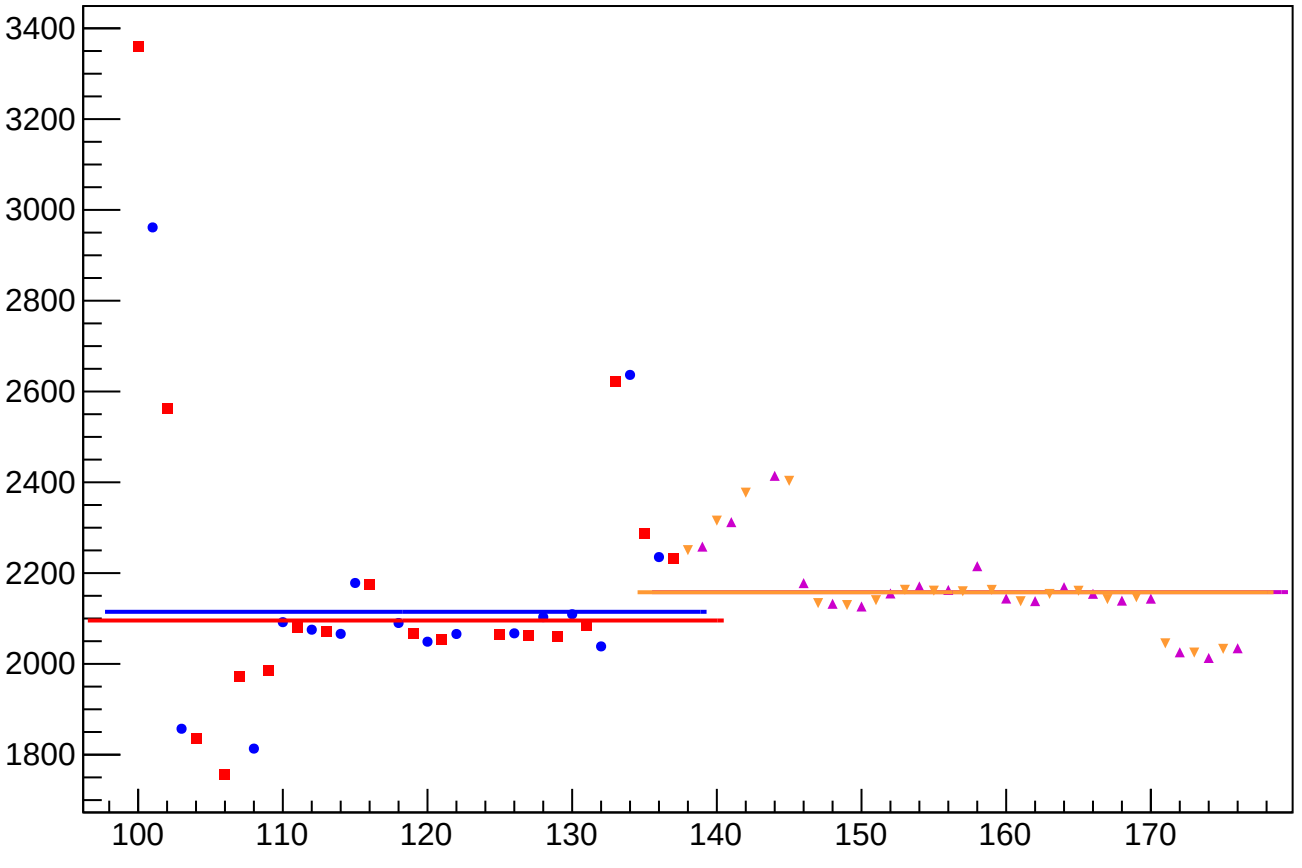
Left: -569.647+/-390.461 χ^2/NDF: 35.7/37

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1020.386+/-450.638 χ^2/NDF:21.8/34

Out: -229.165+/-454.116 χ^2/NDF:40.1/36

All: -627.818+/-319.872 χ^2/NDF: 63.4/71



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2157.978+/-0.276 χ^2/NDF: 108323.7/37

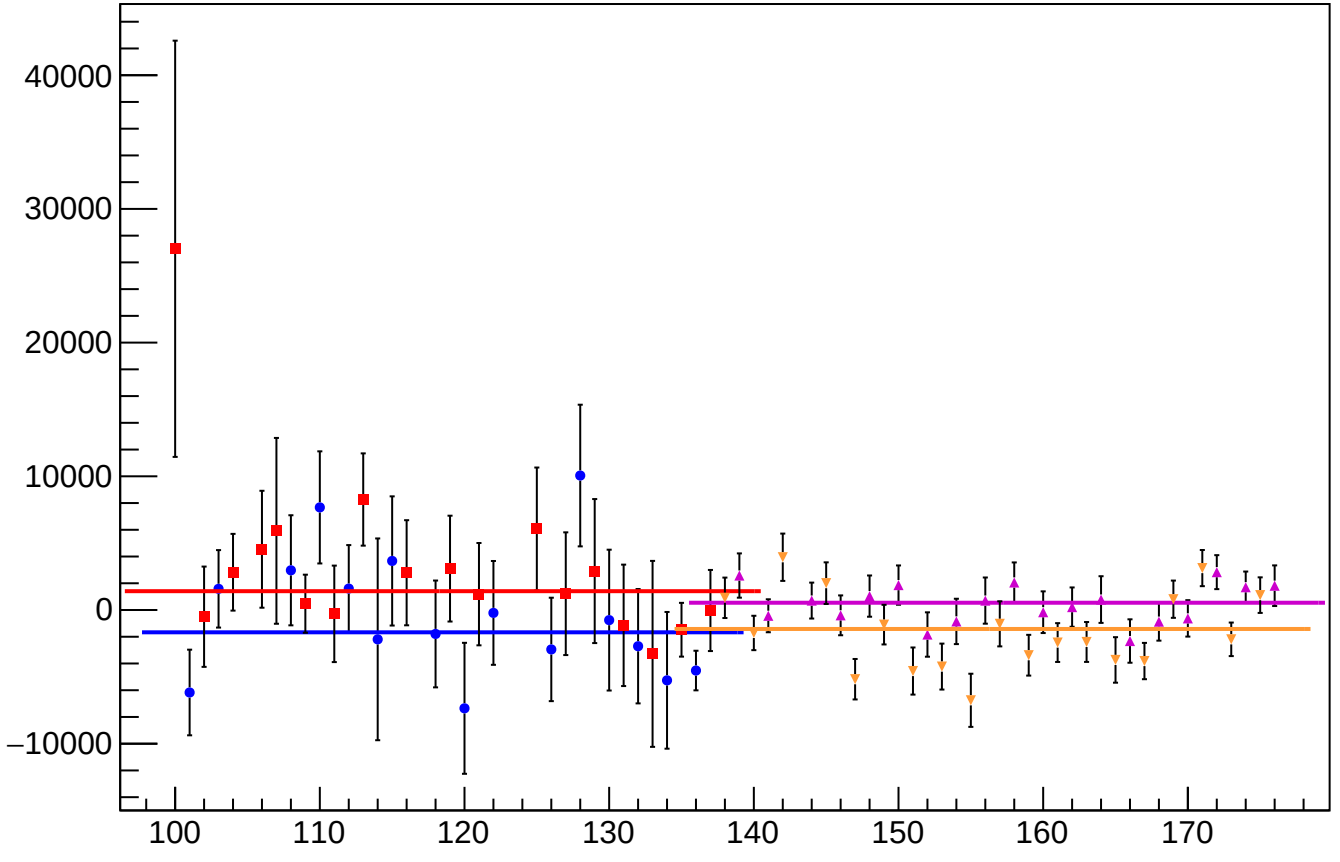
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.098+/-0.319 χ^2/NDF:248560.0/34

Out: 2137.018+/-0.321 χ^2/NDF:211455.7/36

All: 2140.585+/-0.226 χ^2/NDF: 460260.7/71

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: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 543.318+/-337.160 χ^2/NDF:17.3/18

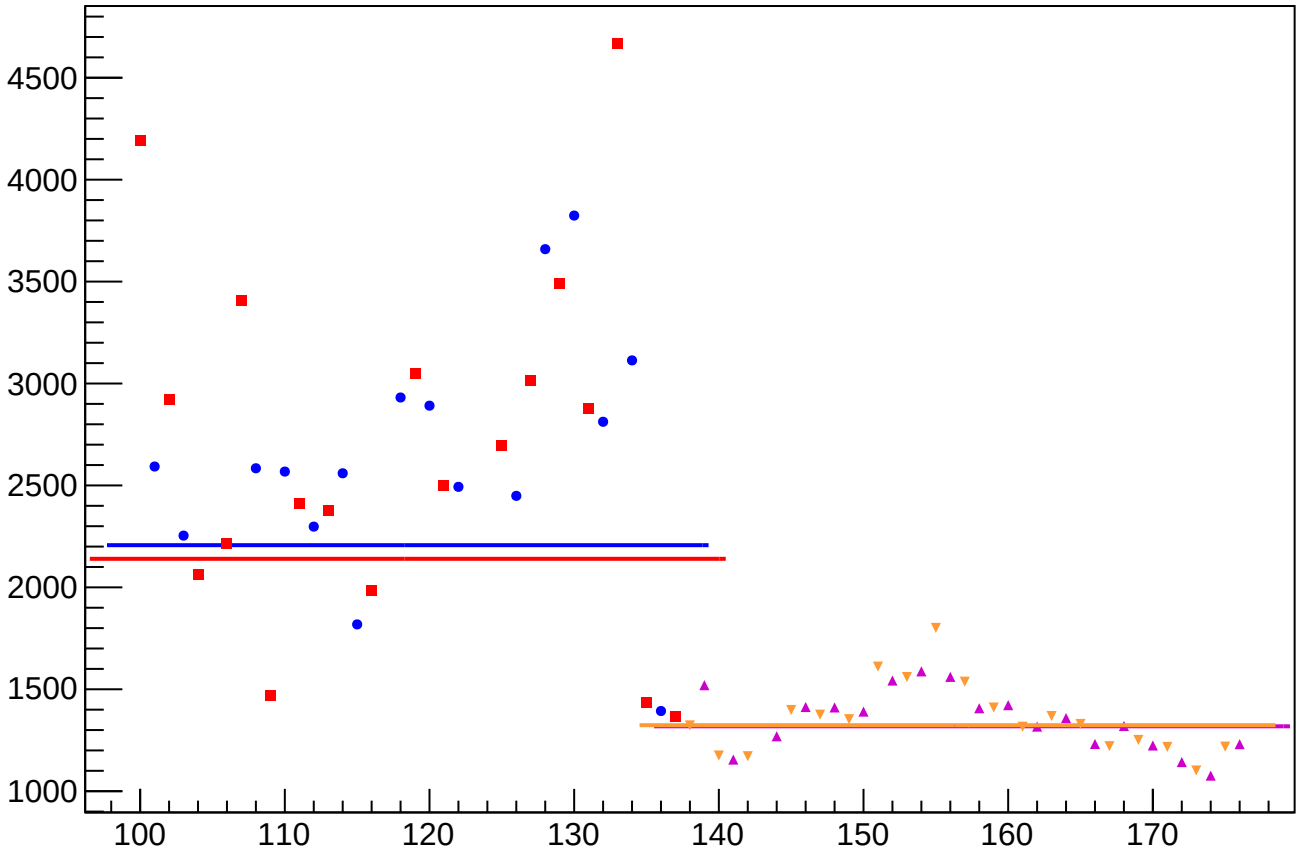
Left: -417.051+/-240.889 χ^2/NDF: 95.1/37

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 249.912+/-314.001 χ^2/NDF:45.5/34

Out: -1017.735+/-318.950 χ^2/NDF:83.8/36

All: -374.001+/-223.762 χ^2/NDF: 137.3/71



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1323.750+/-0.243 χ^2/NDF:400513.7/18

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

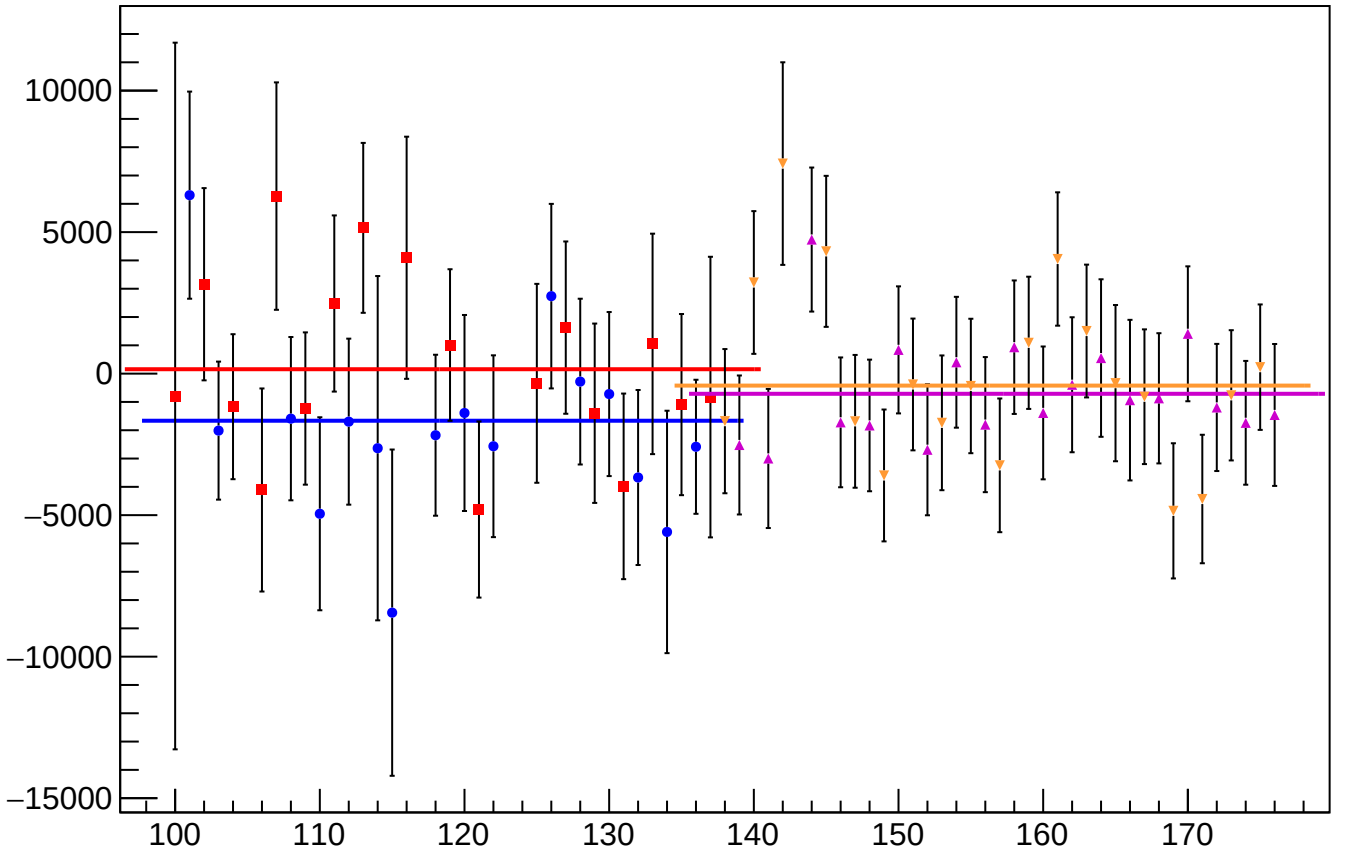
Left: 1320.991+/-0.170 χ^2/NDF: 776978.6/37

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1436.219+/-0.222 χ^2/NDF:3467988.1/34

Out: 1439.485+/-0.226 χ^2/NDF:3442933.8/36

All: 1437.826+/-0.158 χ^2/NDF: 6911028.3/71



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -422.425+/-556.557 χ^2/NDF:25.6/18

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -712.343+/-547.936 χ^2/NDF:10.0/18

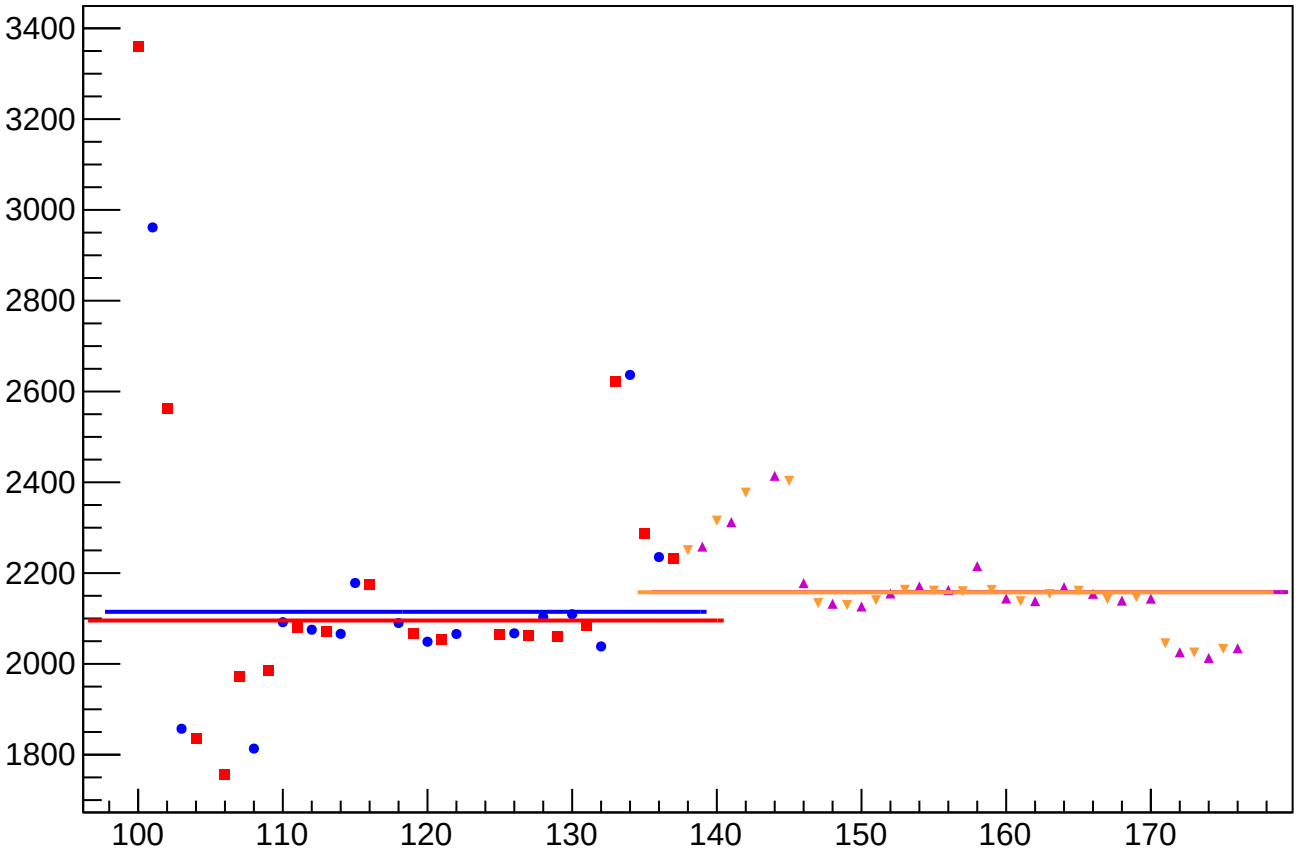
Left: -569.647+/-390.461 χ^2/NDF: 35.7/37

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1020.386+/-450.638 χ^2/NDF:21.8/34

Out: -229.165+/-454.116 χ^2/NDF:40.1/36

All: -627.818+/-319.872 χ^2/NDF: 63.4/71



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2157.814+/-0.394 χ^2/NDF:53741.3/18

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2157.978+/-0.276 χ^2/NDF: 108323.7/37

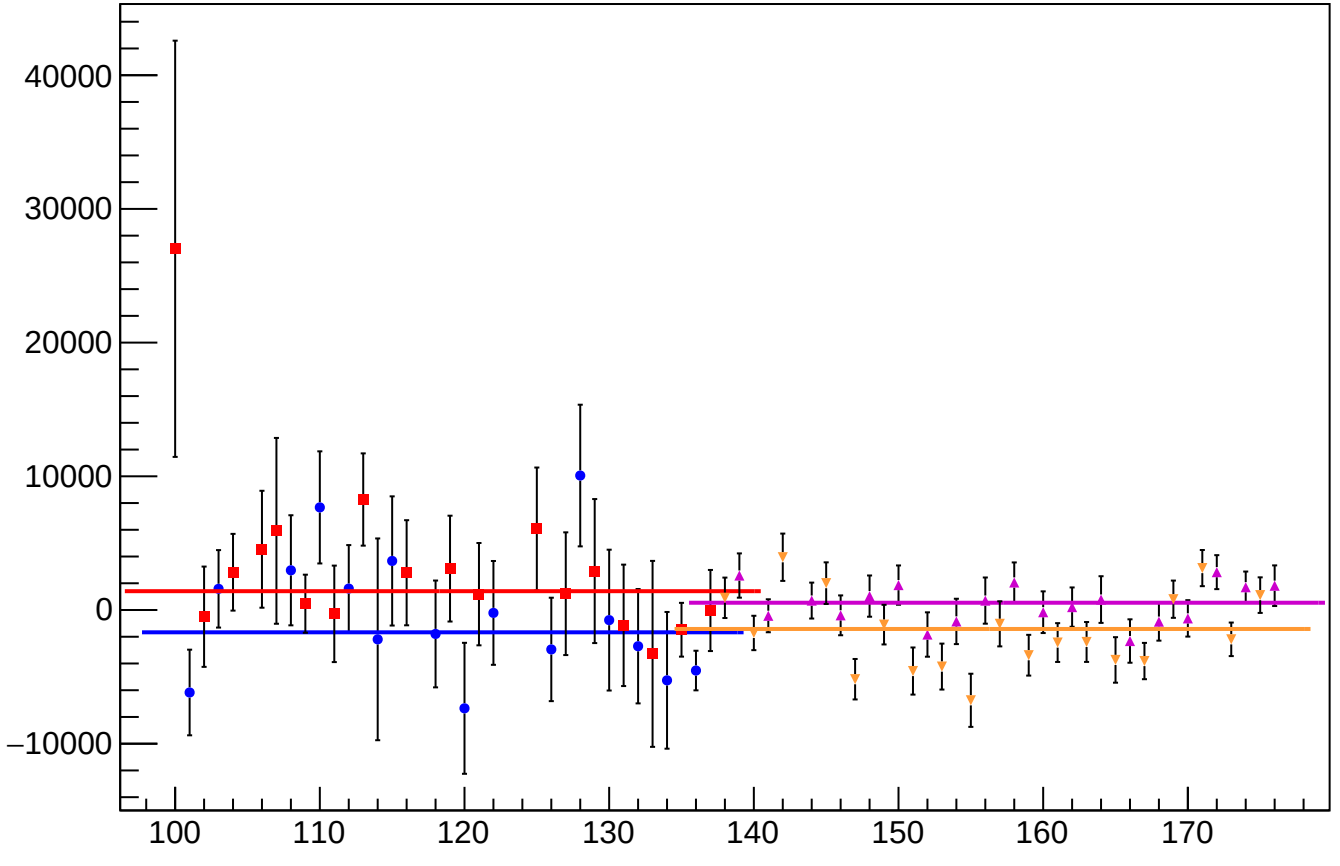
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.098+/-0.319 χ^2/NDF:248560.0/34

Out: 2137.018+/-0.321 χ^2/NDF:211455.7/36

All: 2140.585+/-0.226 χ^2/NDF: 460260.7/71

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: -1418.462+/-344.289 χ^2/NDF:61.2/18

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 543.318+/-337.160 χ^2/NDF:17.3/18

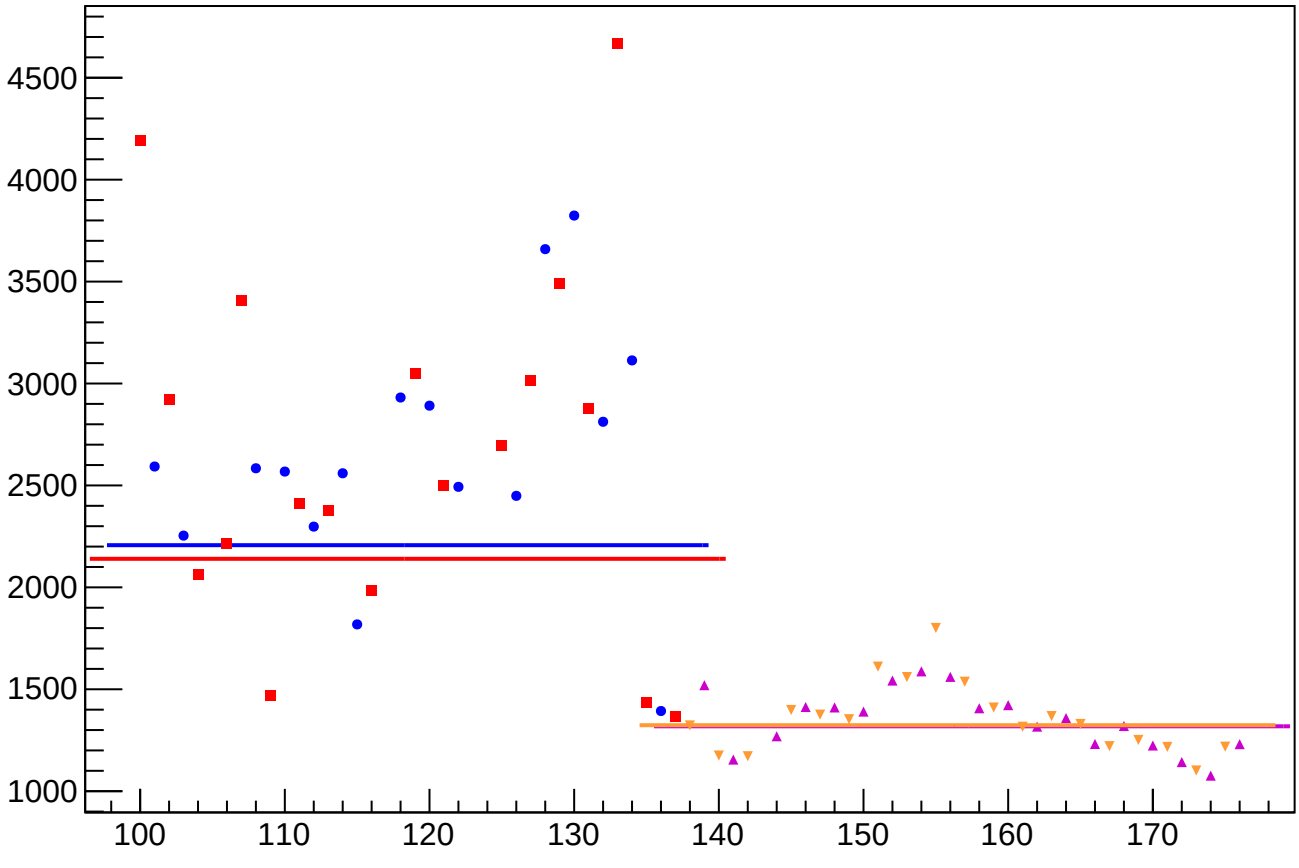
Left: -417.051+/-240.889 χ^2/NDF: 95.1/37

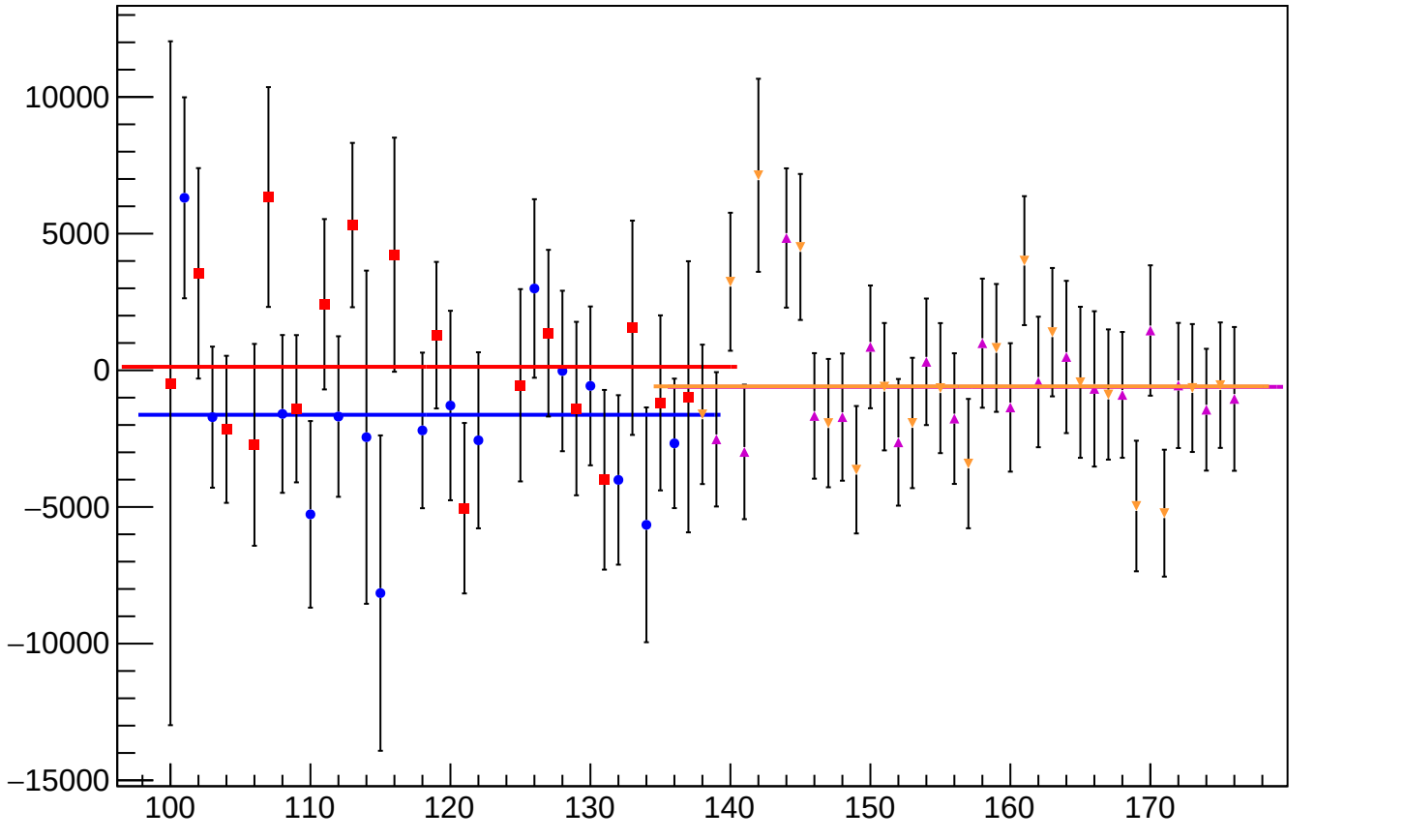
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 249.912+/-314.001 χ^2/NDF:45.5/34

Out: -1017.735+/-318.950 χ^2/NDF:83.8/36

All: -374.001+/-223.762 χ^2/NDF: 137.3/71


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1323.750+/-0.243 χ²/NDF:400513.7/18
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1318.345+/-0.238 χ²/NDF:376213.3/18
Left: 1320.991+/-0.170 χ²/NDF: 776978.6/37
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 1436.219+/-0.222 χ²/NDF:3467988.1/34
Out: 1439.485+/-0.226 χ²/NDF:3442933.8/36
All: 1437.826+/-0.158 χ²/NDF: 6911028.3/71



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.876+/-559.353 χ^2/NDF:26.9/18

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -605.369+/-550.891 χ^2/NDF:9.8/18

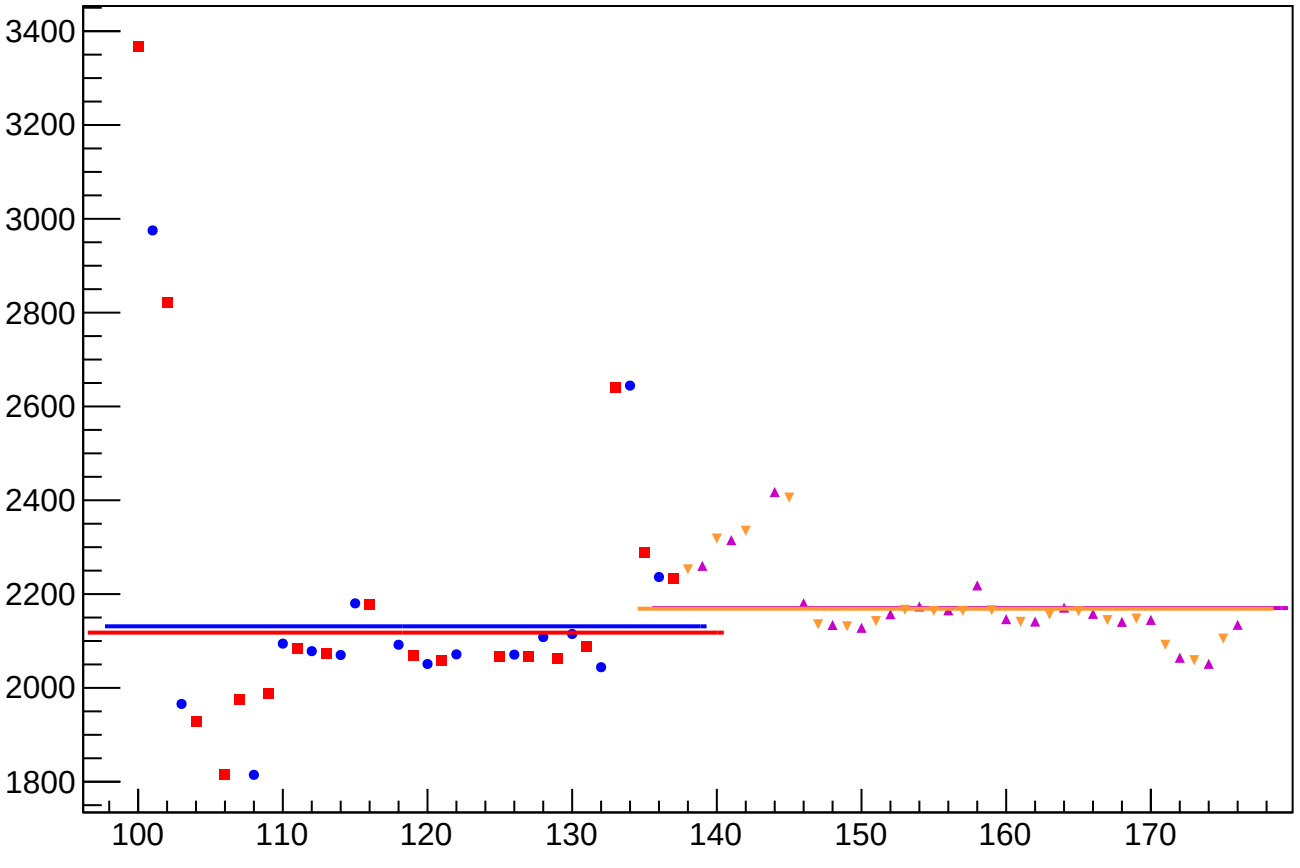
Left: -596.756+/-392.496 χ^2/NDF: 36.7/37

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -935.328+/-453.349 χ^2/NDF:22.2/34

Out: -351.160+/-457.638 χ^2/NDF:42.0/36

All: -645.995+/-322.072 χ^2/NDF: 65.1/71



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.3/18

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.4/18

Left: 2169.546+/-0.278 χ^2/NDF: 81413.7/37

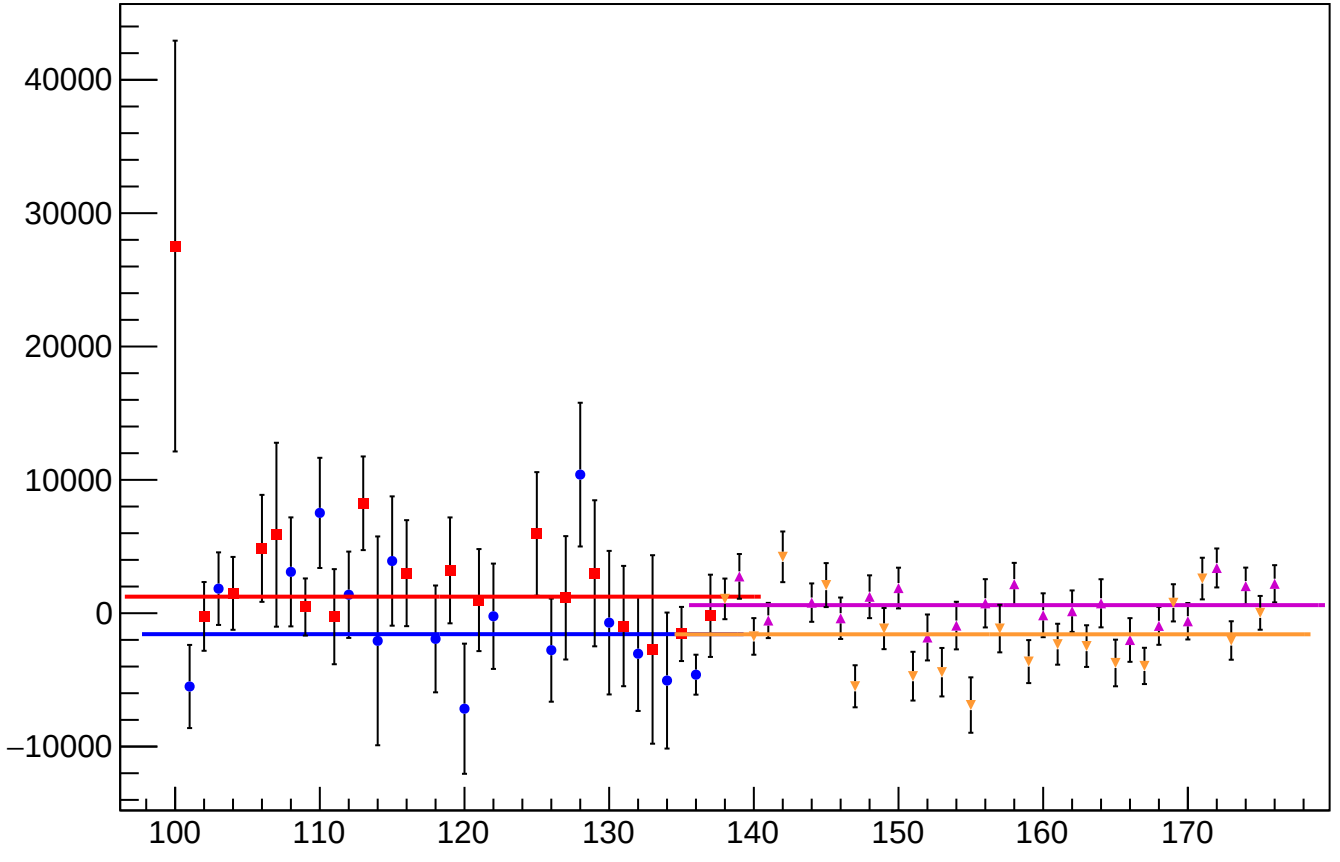
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2157.652+/-0.321 χ^2/NDF:221177.8/34

Out: 2152.000+/-0.324 χ^2/NDF:208512.3/36

All: 2154.853+/-0.228 χ^2/NDF: 429844.0/71

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1581.536+/-360.638 χ^2/NDF:54.0/18

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 605.918+/-353.797 χ^2/NDF:18.2/18

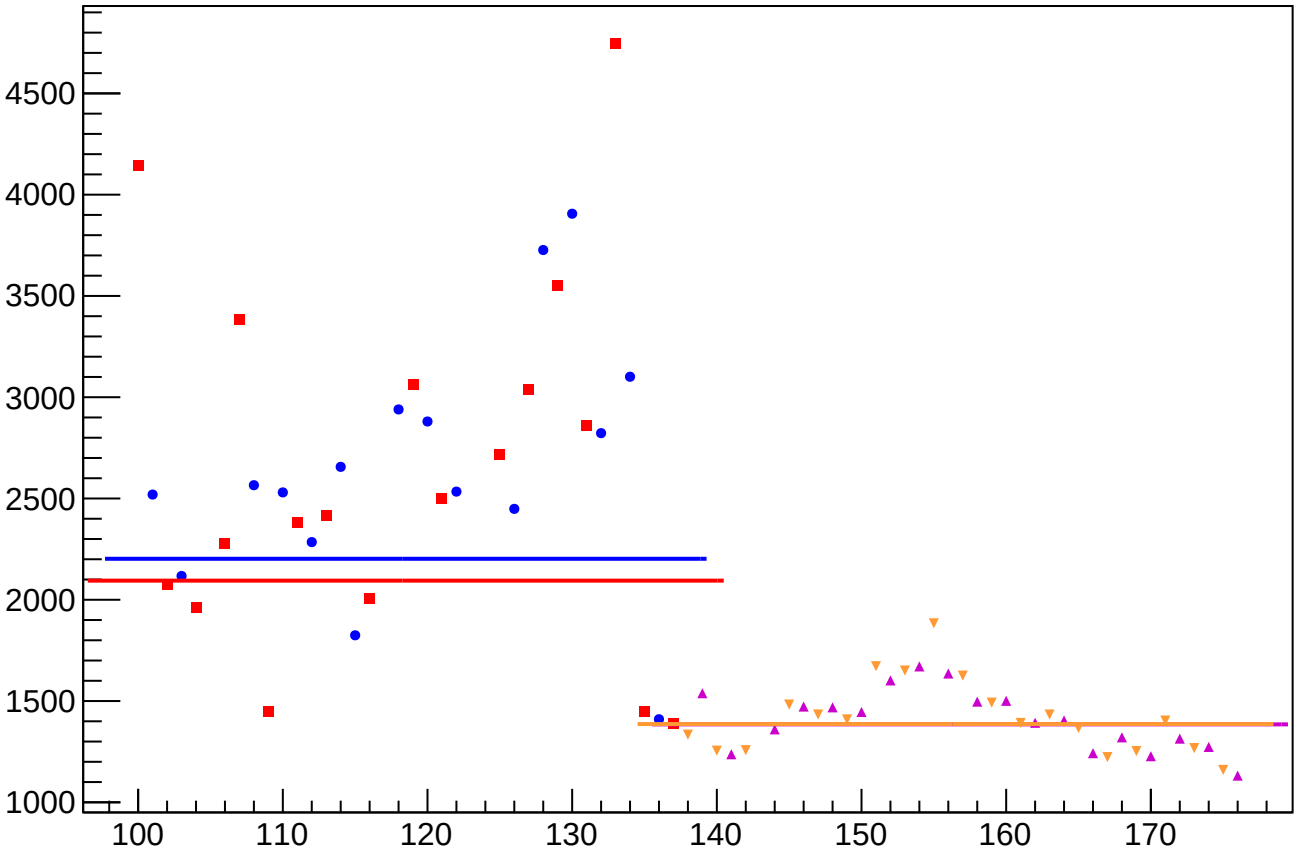
Left: -466.867+/-252.556 χ^2/NDF: 91.0/37

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 290.653+/-327.178 χ^2/NDF:46.3/34

Out: -1123.859+/-330.106 χ^2/NDF:77.0/36

All: -410.301+/-232.378 χ^2/NDF: 132.6/71



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1386.371+/-0.255 χ^2/NDF:415842.9/18

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1384.802+/-0.250 χ^2/NDF:328155.6/18

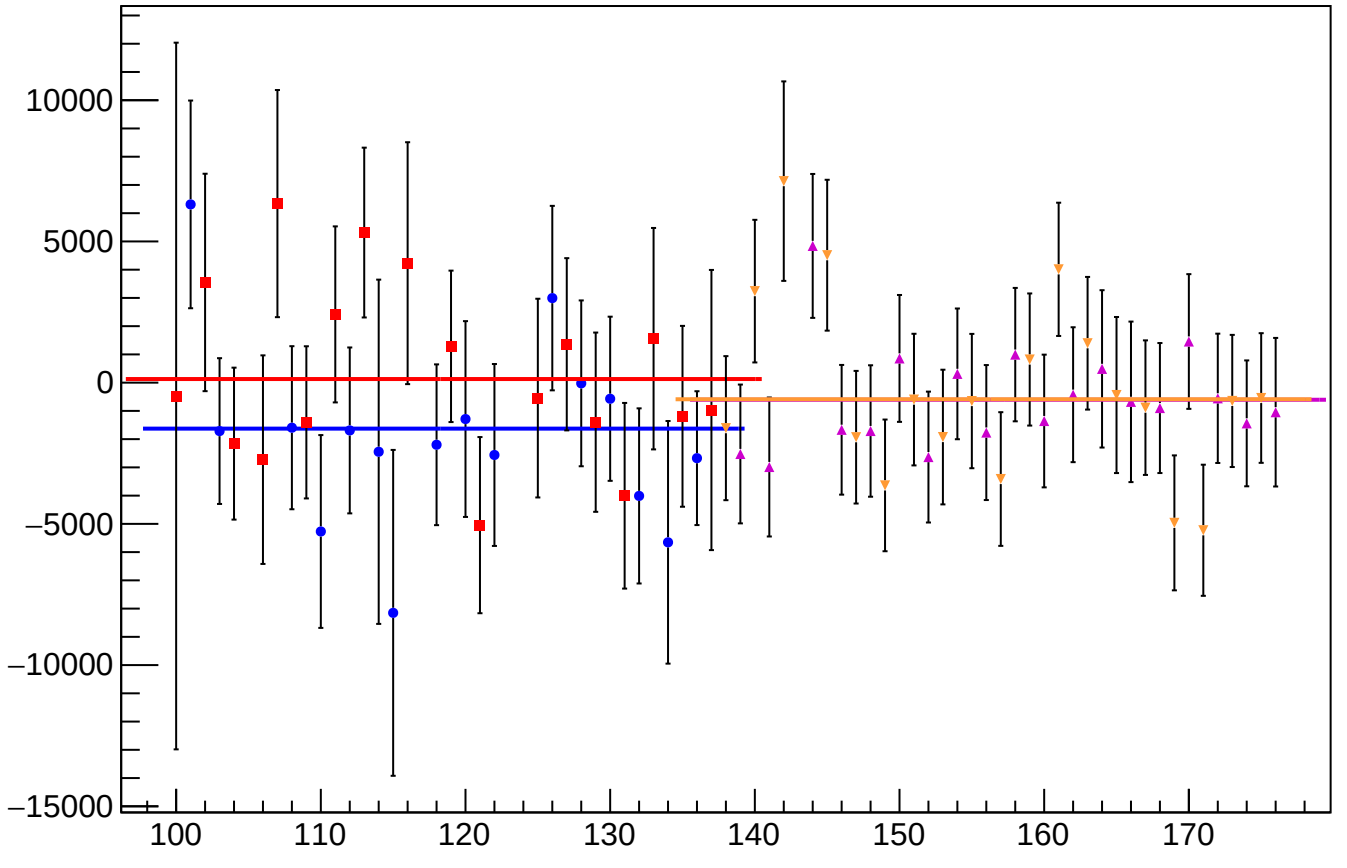
Left: 1385.571+/-0.179 χ^2/NDF: 744017.8/37

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1503.201+/-0.231 χ^2/NDF:3097792.2/34

Out: 1501.186+/-0.233 χ^2/NDF:3039674.5/36

All: 1502.202+/-0.164 χ^2/NDF: 6137504.3/71



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -587.873+/-559.353 χ^2/NDF:26.9/18

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -605.369+/-550.891 χ^2/NDF:9.8/18

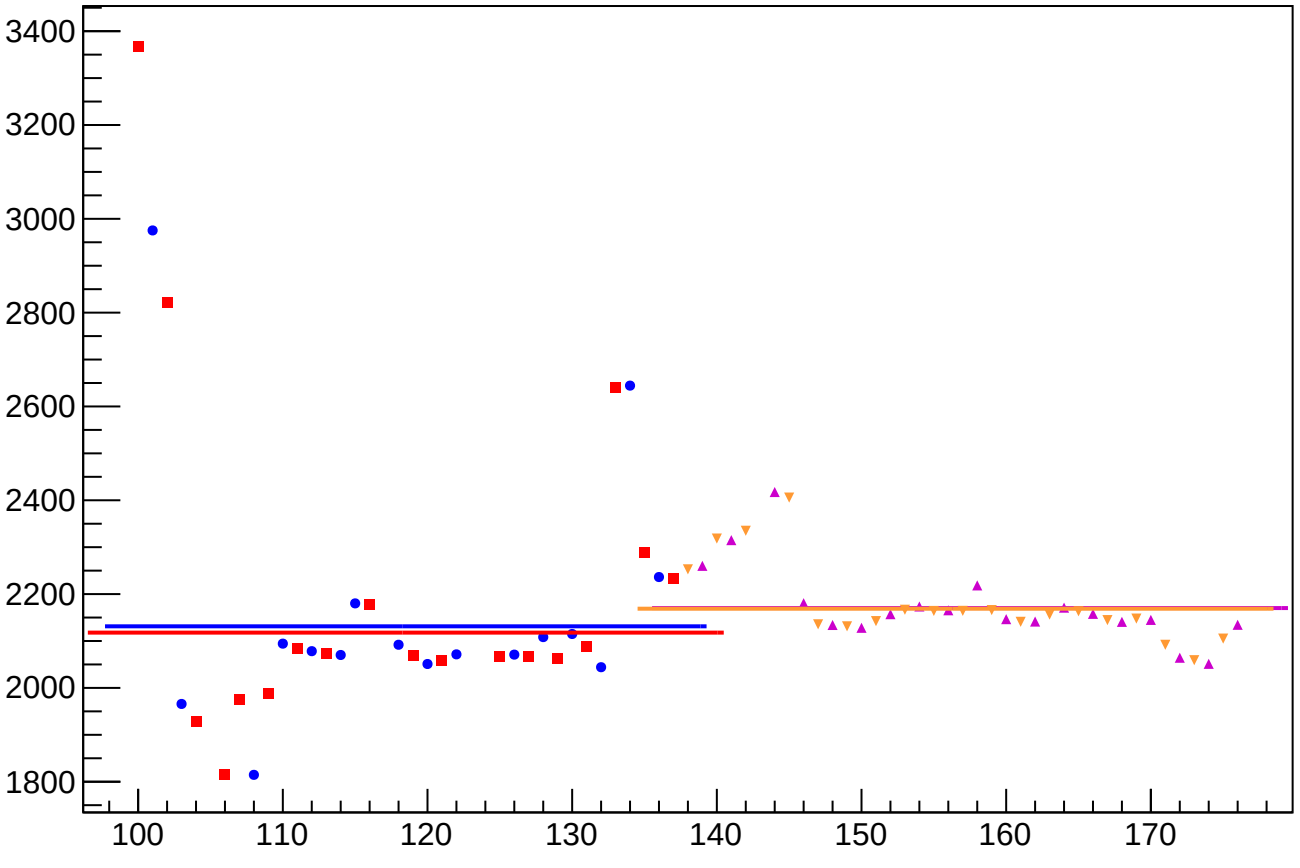
Left: -596.755+/-392.496 χ^2/NDF: 36.7/37

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -935.329+/-453.349 χ^2/NDF:22.2/34

Out: -351.160+/-457.638 χ^2/NDF:42.0/36

All: -645.995+/-322.072 χ^2/NDF: 65.1/71



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2168.859+/-0.396 χ^2/NDF:39394.5/18

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.6/18

Left: 2169.546+/-0.278 χ^2/NDF: 81414.0/37

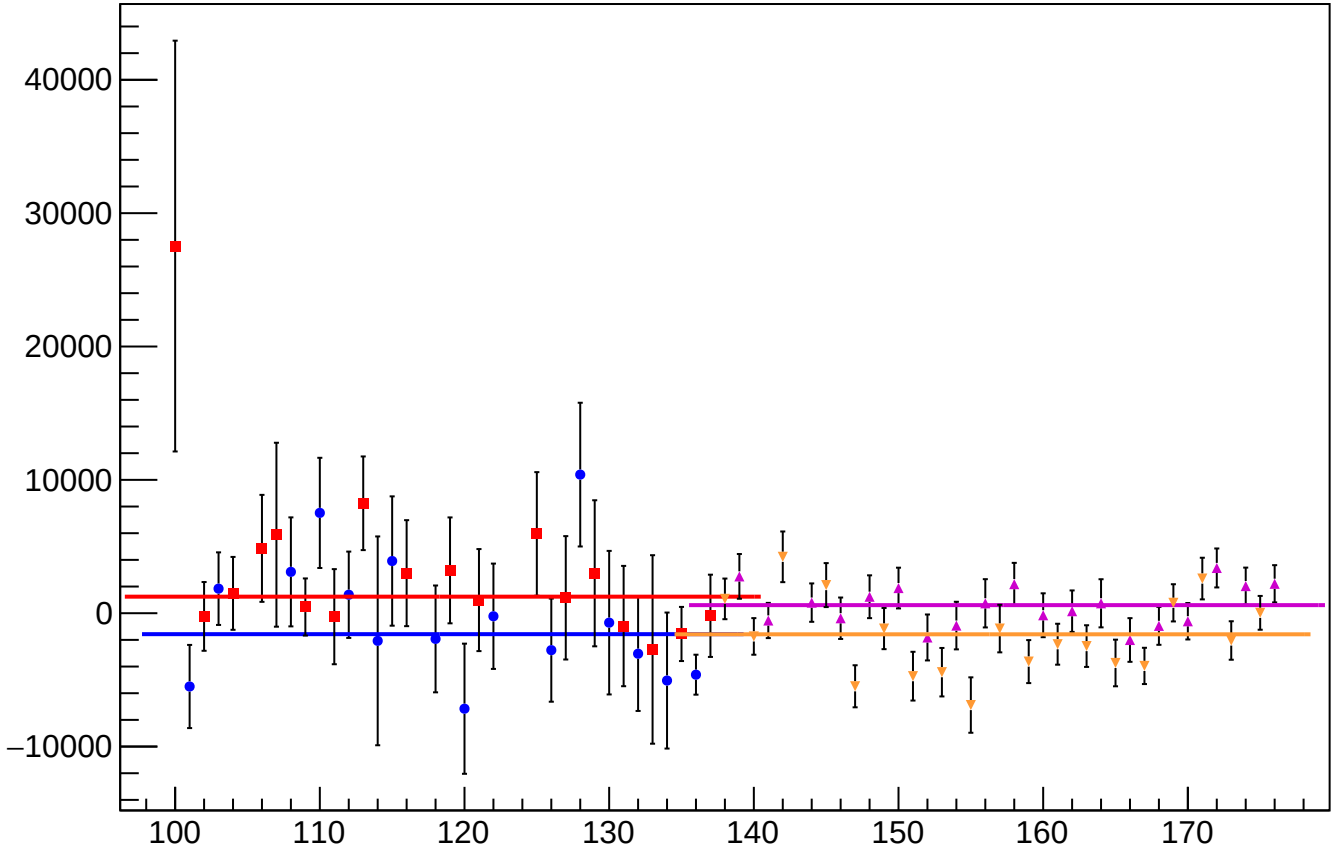
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2157.651+/-0.321 χ^2/NDF:221177.9/34

Out: 2152.000+/-0.324 χ^2/NDF:208512.4/36

All: 2154.852+/-0.228 χ^2/NDF: 429844.2/71

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: -1581.539+/-360.638 χ^2/NDF:54.0/18

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 605.914+/-353.797 χ^2/NDF:18.2/18

Left: -466.869+/-252.556 χ^2/NDF: 91.0/37

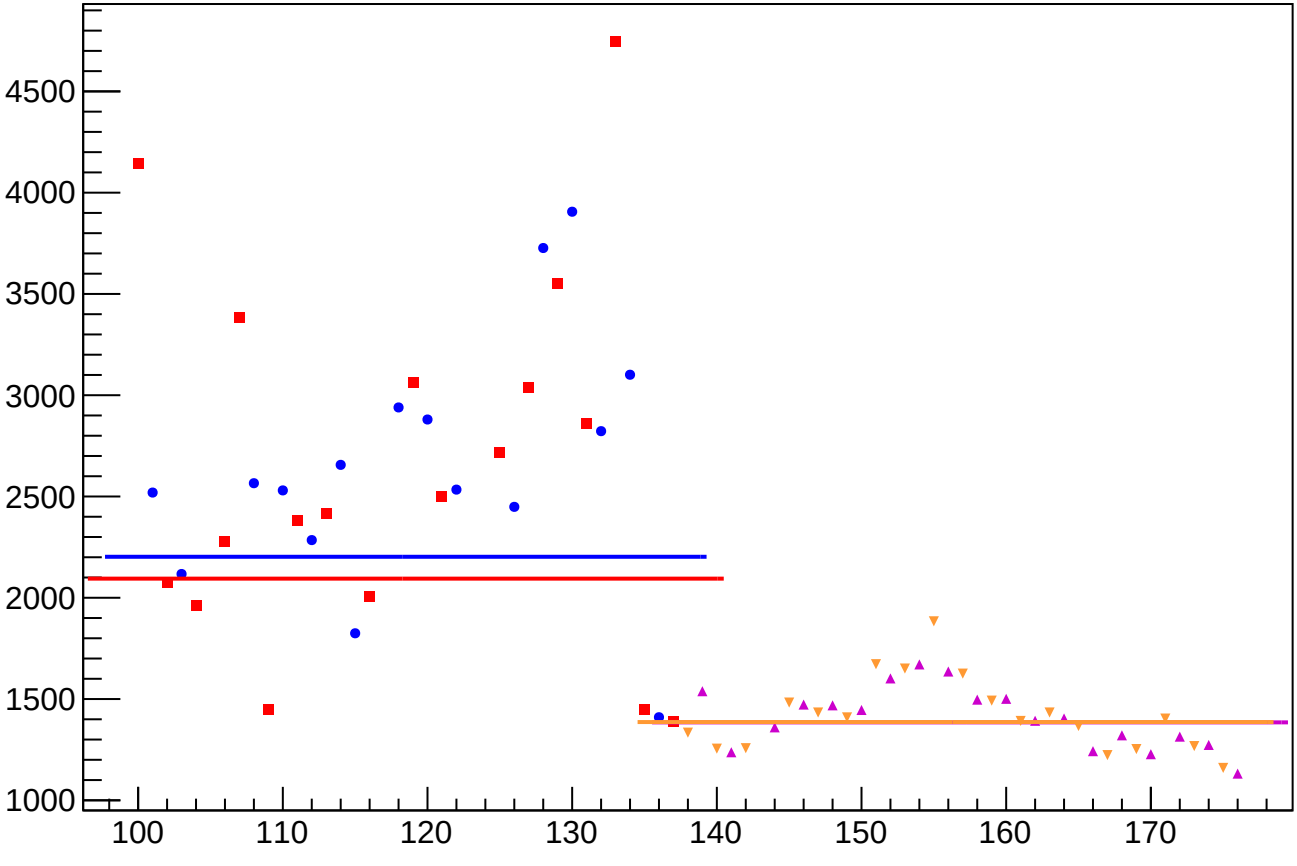
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 290.654+/-327.178 χ^2/NDF:46.3/34

Out: -1123.862+/-330.107 χ^2/NDF:77.0/36

All: -410.301+/-232.378 χ^2/NDF: 132.6/71

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: 1386.372+/-0.255 χ^2/NDF:415838.2/18

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1384.801+/-0.250 χ^2/NDF:328160.9/18

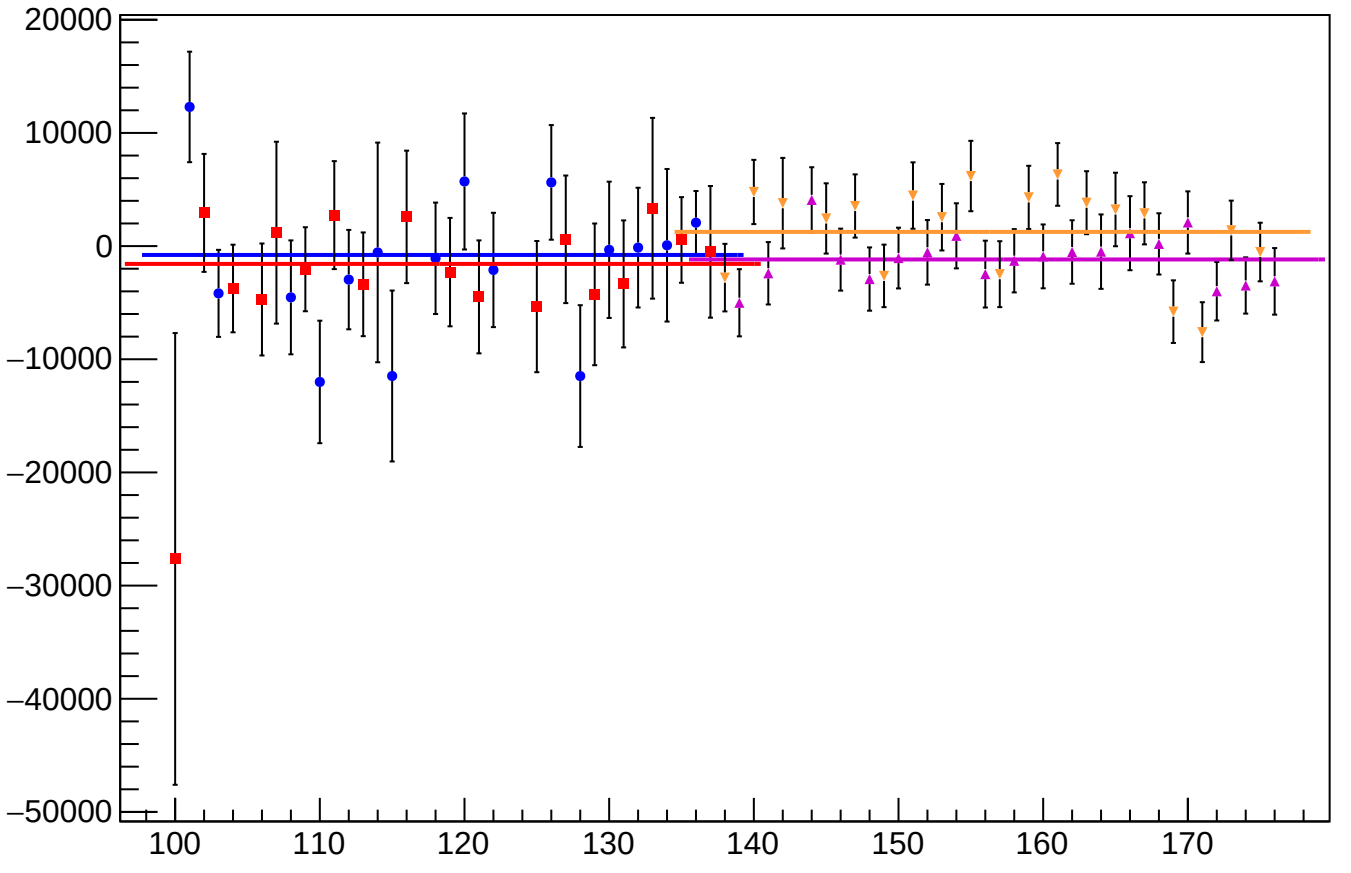
Left: 1385.571+/-0.179 χ^2/NDF: 744018.5/37

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1503.201+/-0.231 χ^2/NDF:3097778.9/34

Out: 1501.187+/-0.233 χ^2/NDF:3039655.7/36

All: 1502.203+/-0.164 χ^2/NDF: 6137472.1/71



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1256.640+/-659.660 χ^2/NDF:36.5/18

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1180.491+/-647.381 χ^2/NDF:11.1/18

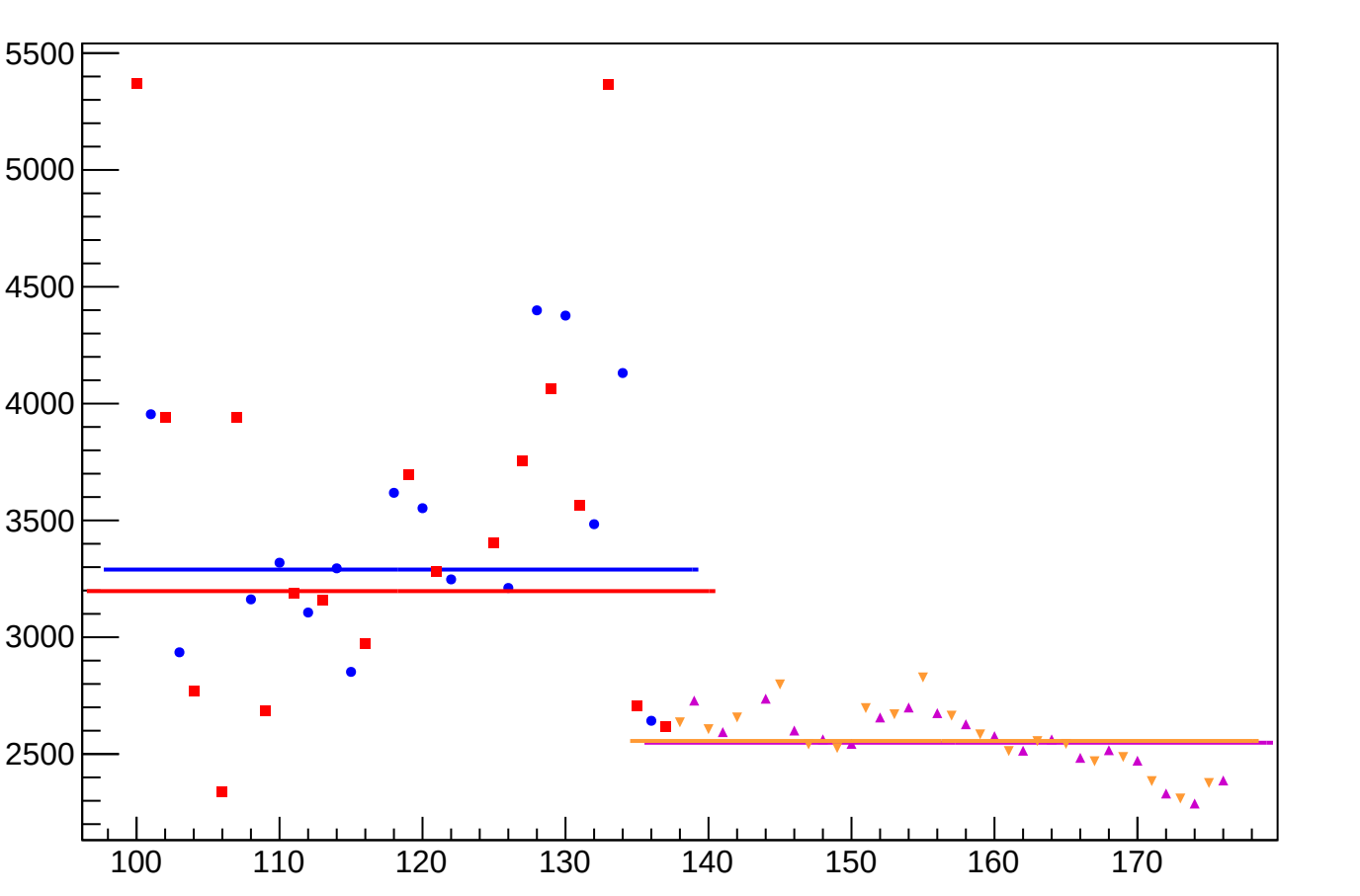
Left: 15.180+/-462.047 χ^2/NDF: 54.5/37

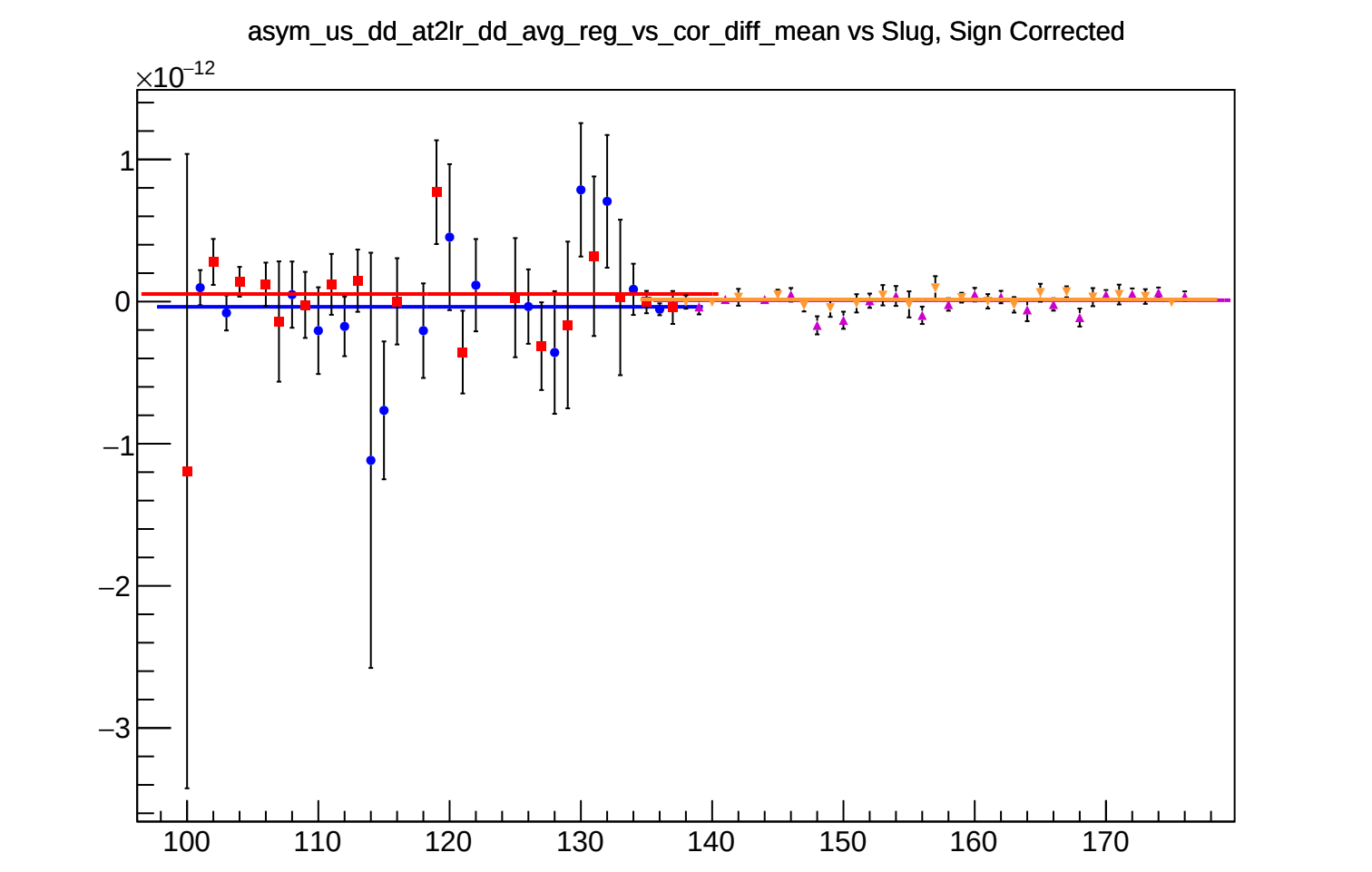
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1095.242+/-574.047 χ^2/NDF:33.1/34

Out: 615.286+/-580.155 χ^2/NDF:47.4/36

All: -249.031+/-408.055 χ^2/NDF: 84.8/71


asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
100
110
120
130
140
150
160
170
Right In: 3289.690+/-0.878 χ²/NDF: 347594.0/15
Left Out: 2556.007+/-0.466 χ²/NDF:81107.5/18
Right Out: 3197.375+/-0.862 χ²/NDF: 499934.1/17
Left In: 2548.572+/-0.458 χ²/NDF:76164.5/18
Left: 2552.220+/-0.327 χ²/NDF: 157401.4/37
Right: 3242.678+/-0.615 χ²/NDF: 853157.4/33
In: 2706.967+/-0.406 χ²/NDF:983953.3/34
Out: 2701.294+/-0.410 χ²/NDF:1009317.2/36
All: 2704.160+/-0.289 χ²/NDF: 1993367.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:29.5/18

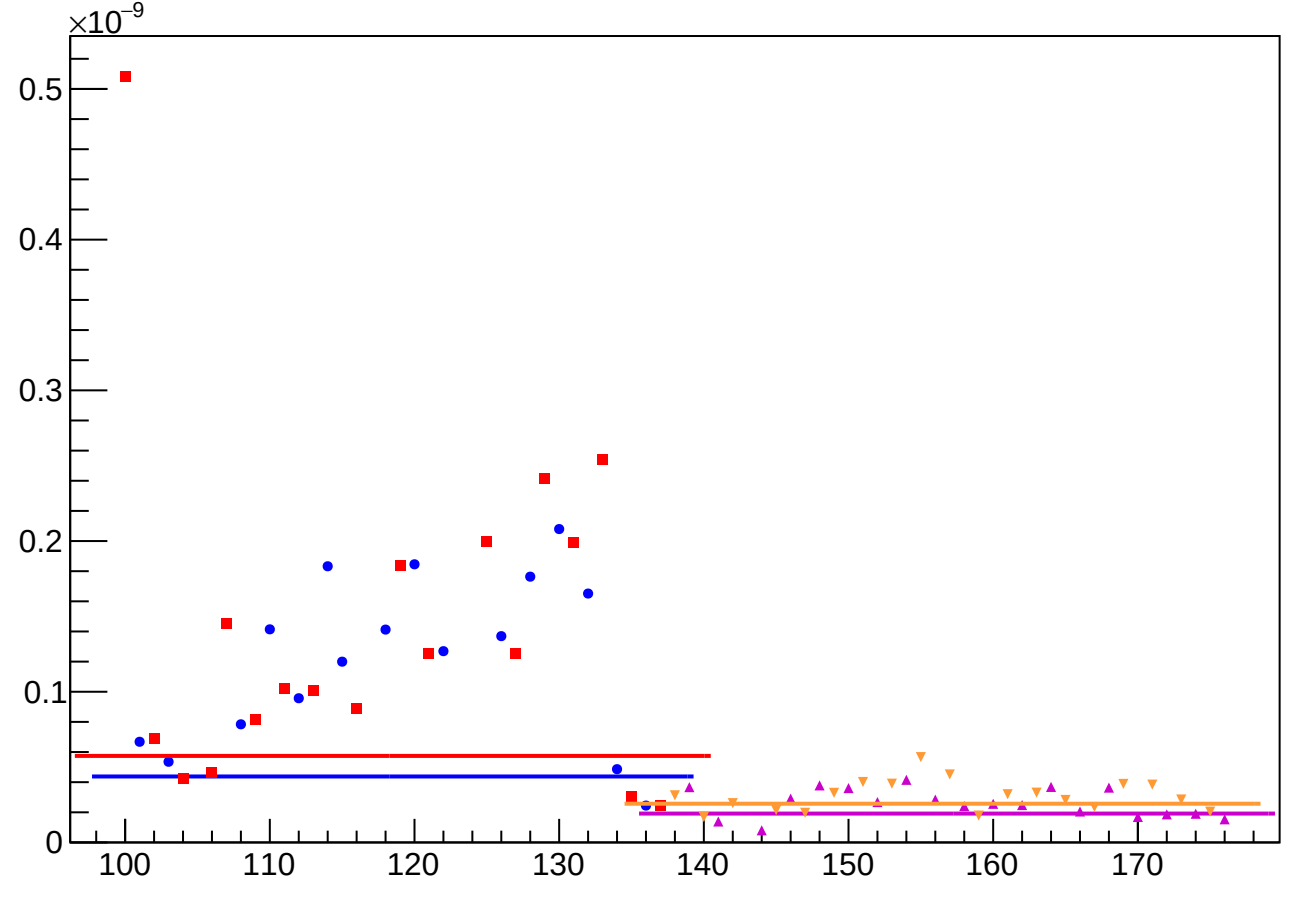
Left: 0.000+/-0.000 χ^2/NDF: 38.4/37

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:44.3/34

Out: 0.000+/-0.000 χ^2/NDF:22.0/36

All: 0.000+/-0.000 χ^2/NDF: 67.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1183708.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2135787.5/18

Left: 0.000+/-0.000 χ^2/NDF: 3742947.9/37

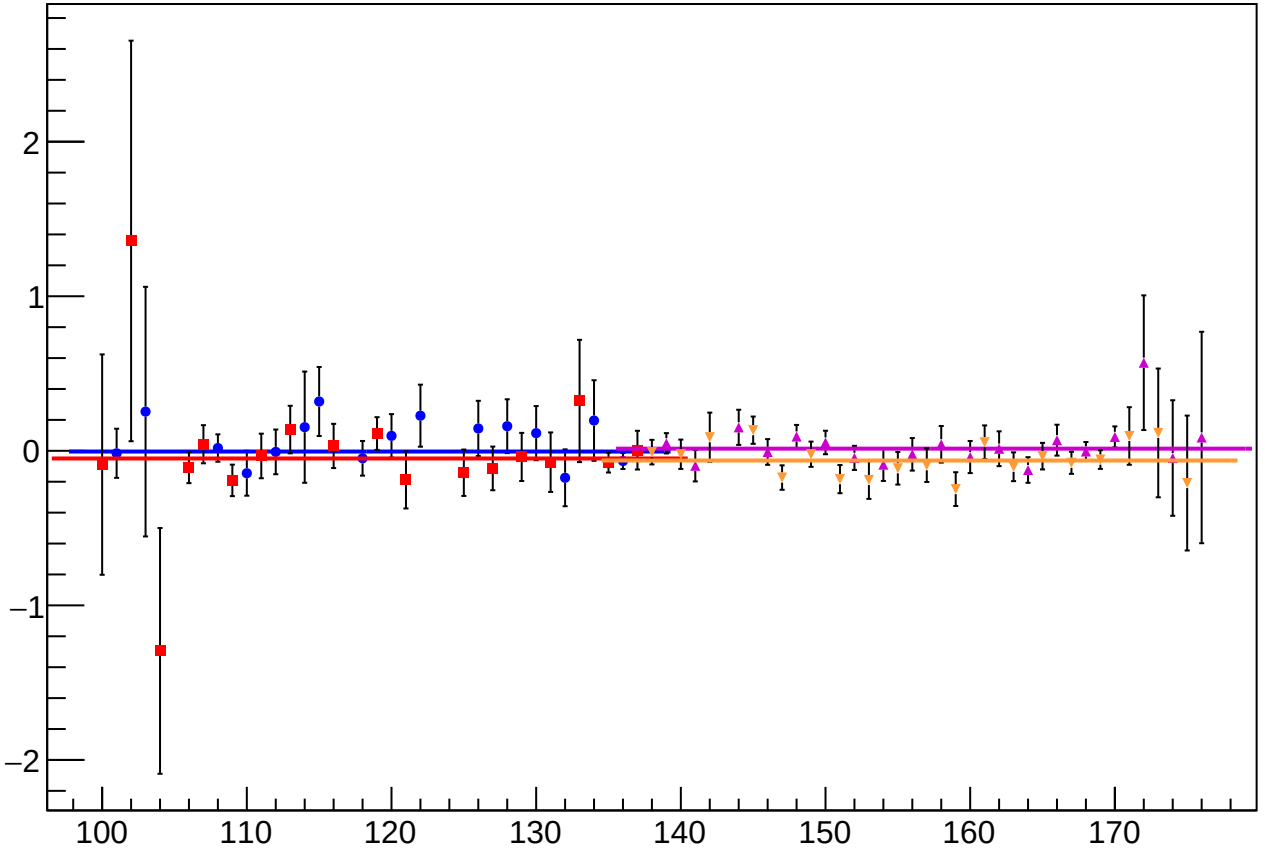
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5322365.7/34

Out: 0.000+/-0.000 χ^2/NDF:4277792.9/36

All: 0.000+/-0.000 χ^2/NDF: 10089123.6/71

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: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.023+/-0.015 χ^2/NDF: 35.9/37

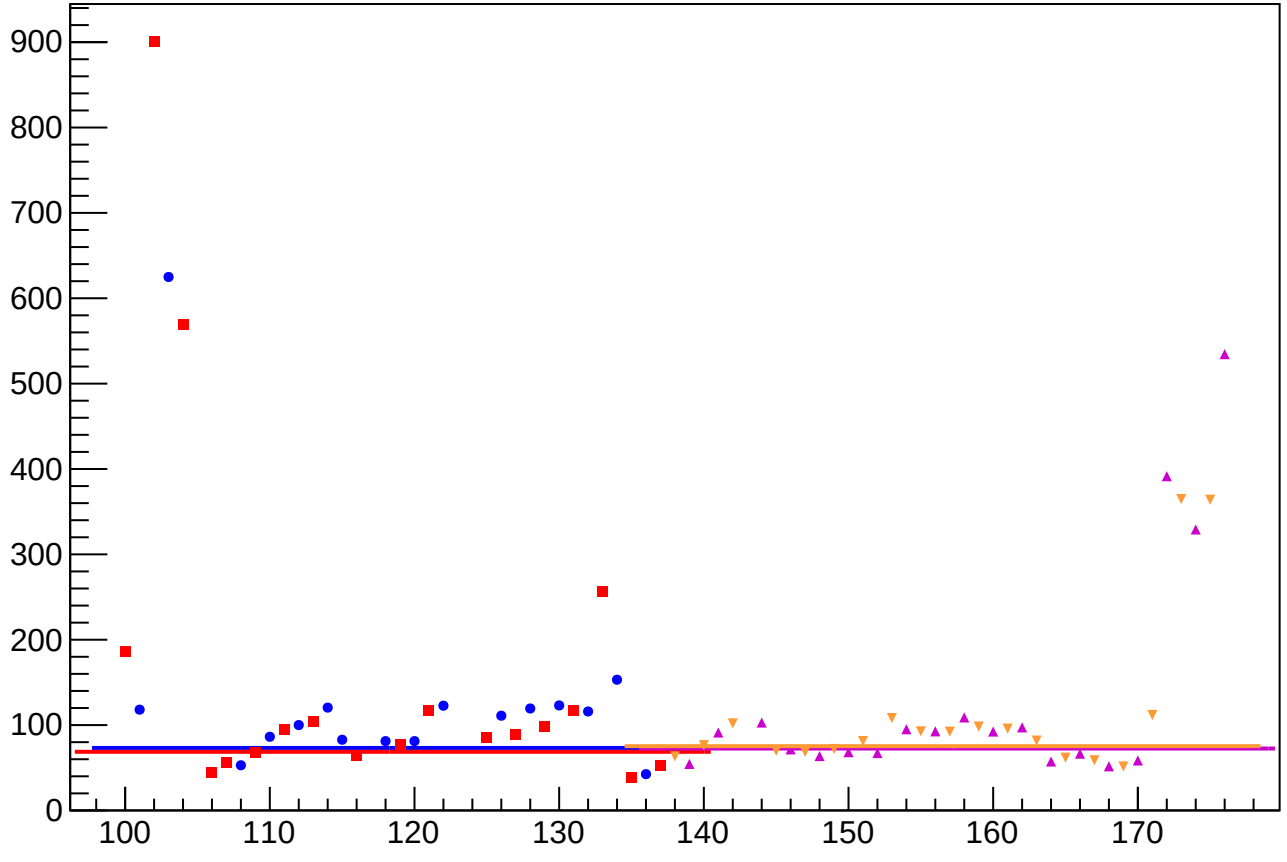
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:30.4/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/71

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.311+/-0.016 χ^2/NDF:2938294.7/18

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

Left: 73.866+/-0.011 χ^2/NDF: 7203586.2/37

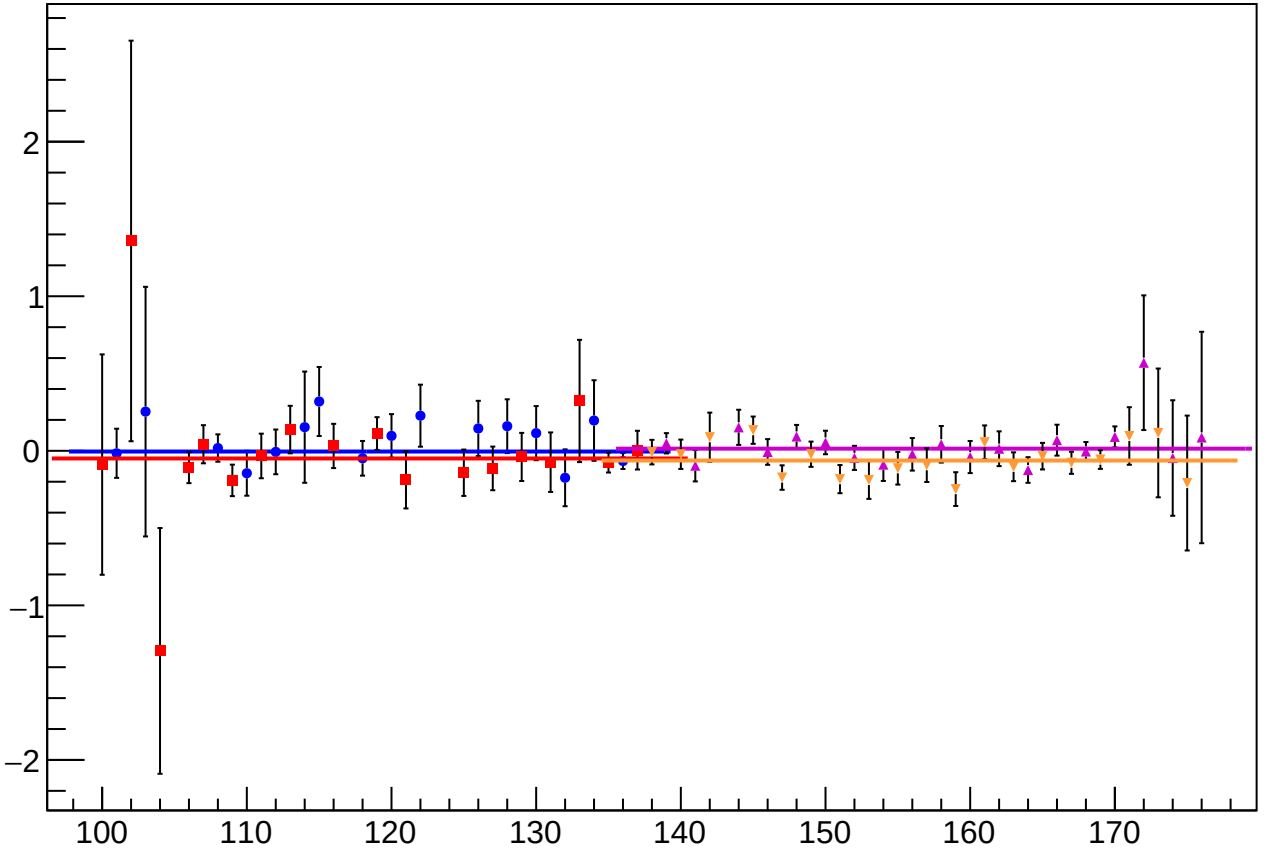
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.755+/-0.013 χ^2/NDF:7104251.2/34

Out: 73.146+/-0.013 χ^2/NDF:6328161.9/36

All: 72.945+/-0.009 χ^2/NDF: 13432890.7/71

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: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.023+/-0.015 χ^2/NDF: 35.9/37

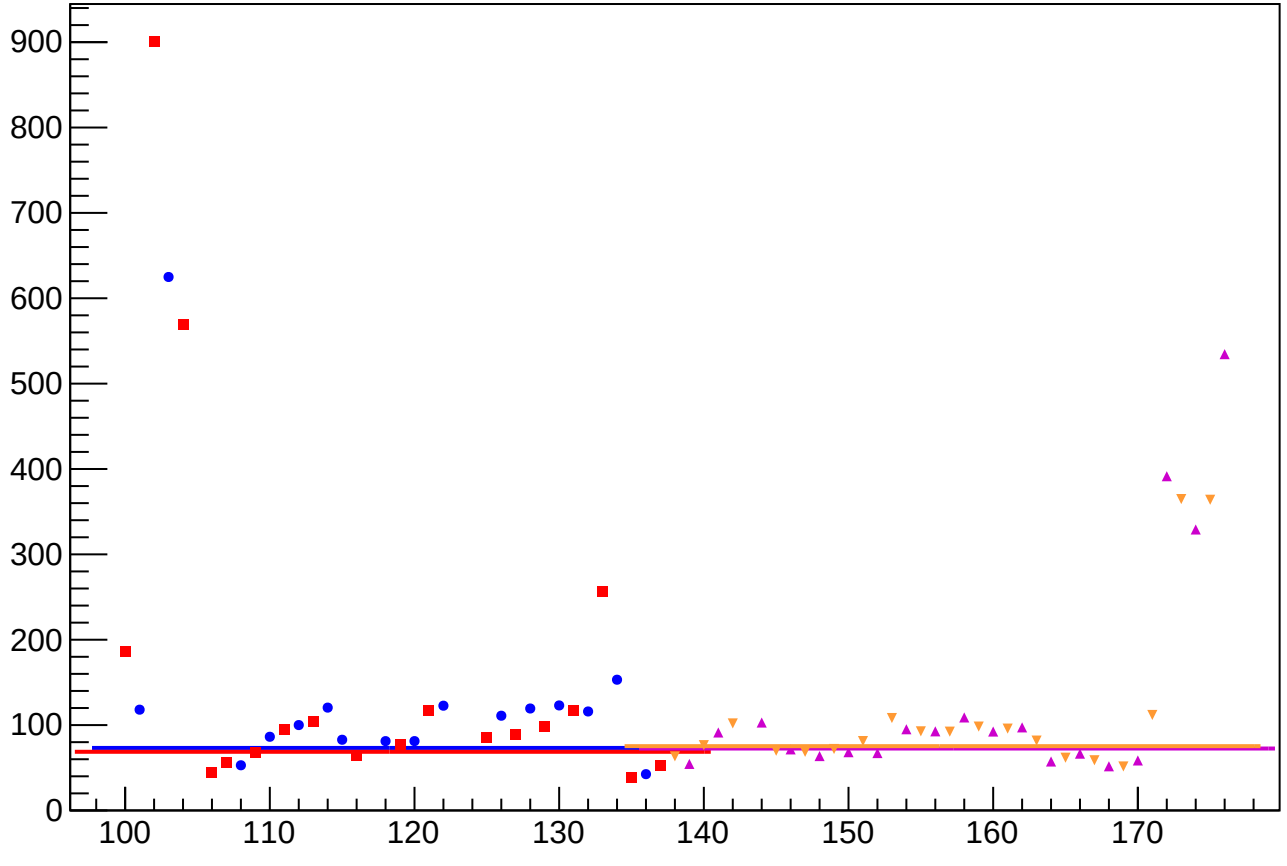
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:30.4/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/71

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: 75.311+/-0.016 χ^2/NDF:2938294.7/18

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

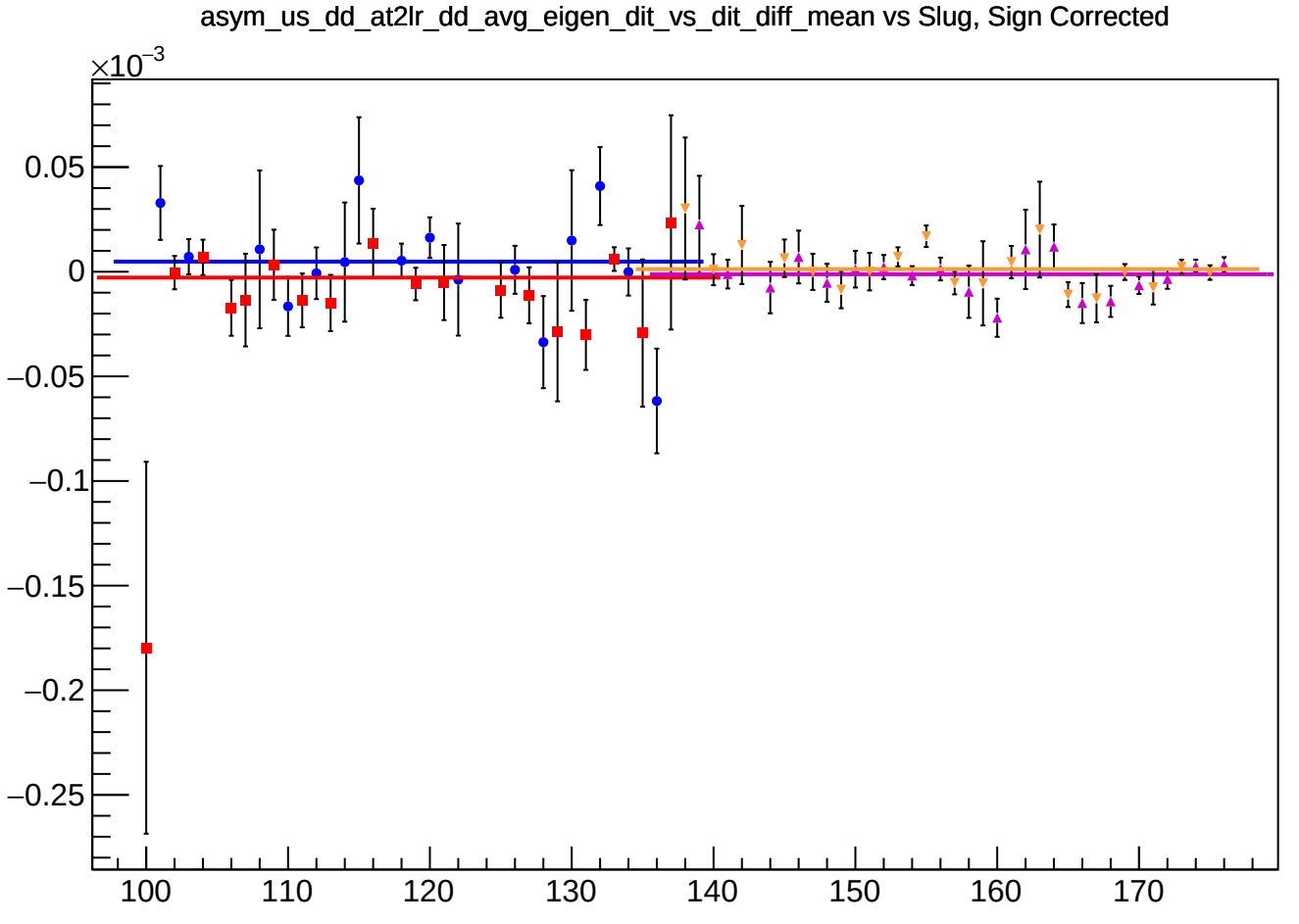
Left: 73.866+/-0.011 χ^2/NDF: 7203586.2/37

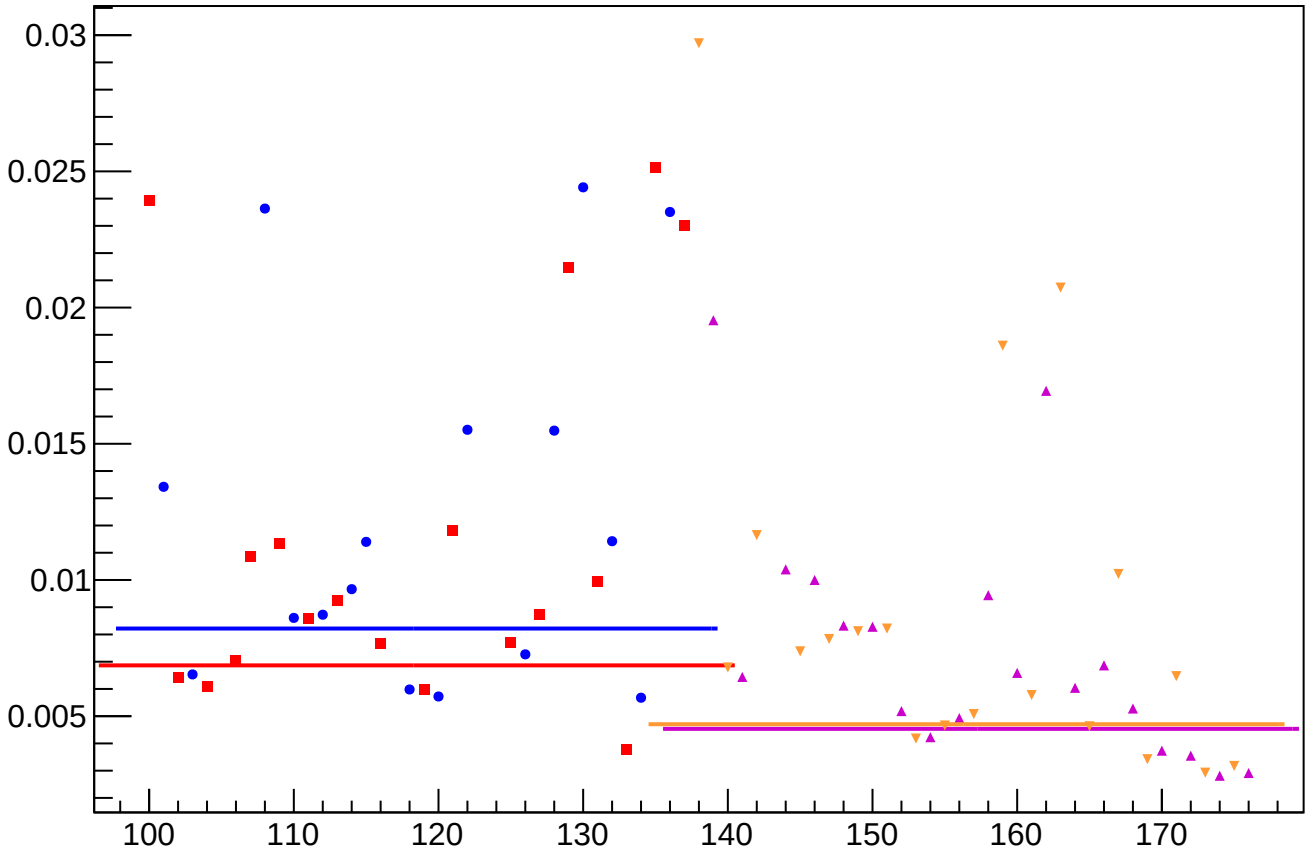
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.755+/-0.013 χ^2/NDF:7104251.2/34

Out: 73.146+/-0.013 χ^2/NDF:6328161.9/36

All: 72.945+/-0.009 χ^2/NDF: 13432890.7/71


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:23.3/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:20.3/18
Left: -0.000+/-0.000 χ²/NDF: 45.1/37
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:45.5/34
Out: 0.000+/-0.000 χ²/NDF:41.7/36
All: 0.000+/-0.000 χ²/NDF: 87.4/71



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.005+/-0.000 χ^2/NDF:6309240.4/18

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5213929.2/18

Left: 0.005+/-0.000 χ^2/NDF: 11537892.5/37

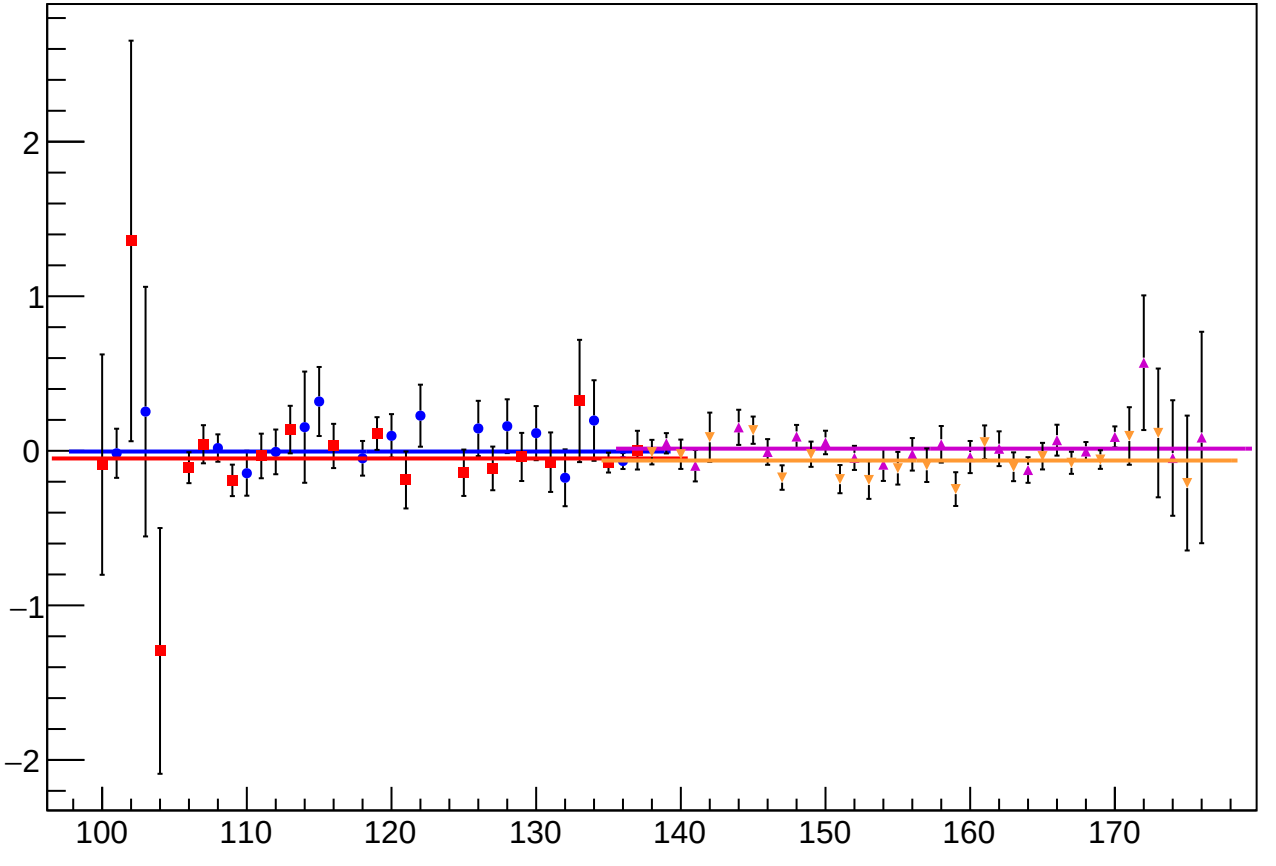
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9790534.9/34

Out: 0.005+/-0.000 χ^2/NDF:9667085.9/36

All: 0.005+/-0.000 χ^2/NDF: 19463074.0/71

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: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.023+/-0.015 χ^2/NDF: 35.9/37

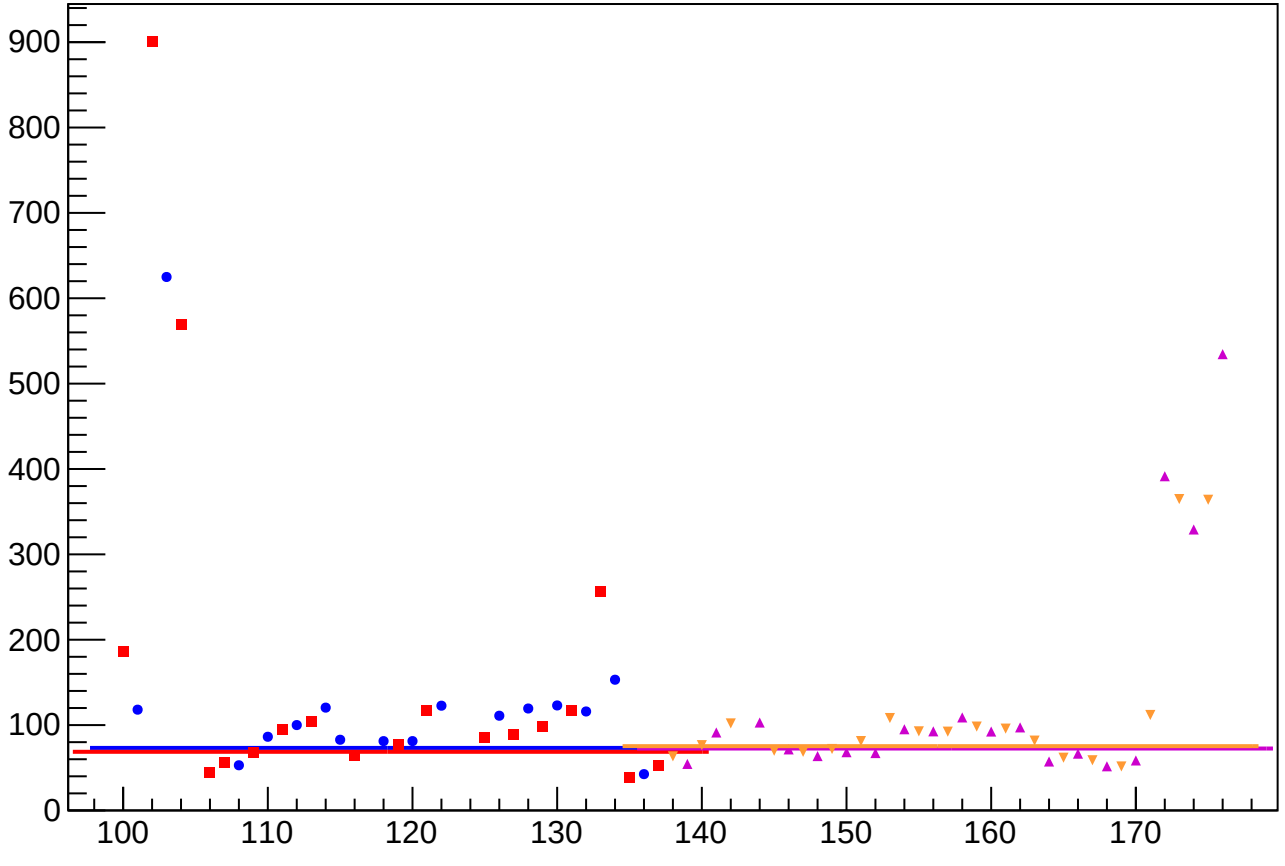
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:30.3/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/71

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: 75.311+/-0.016 χ^2/NDF:2938211.5/18

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

Left: 73.867+/-0.011 χ^2/NDF: 7203218.2/37

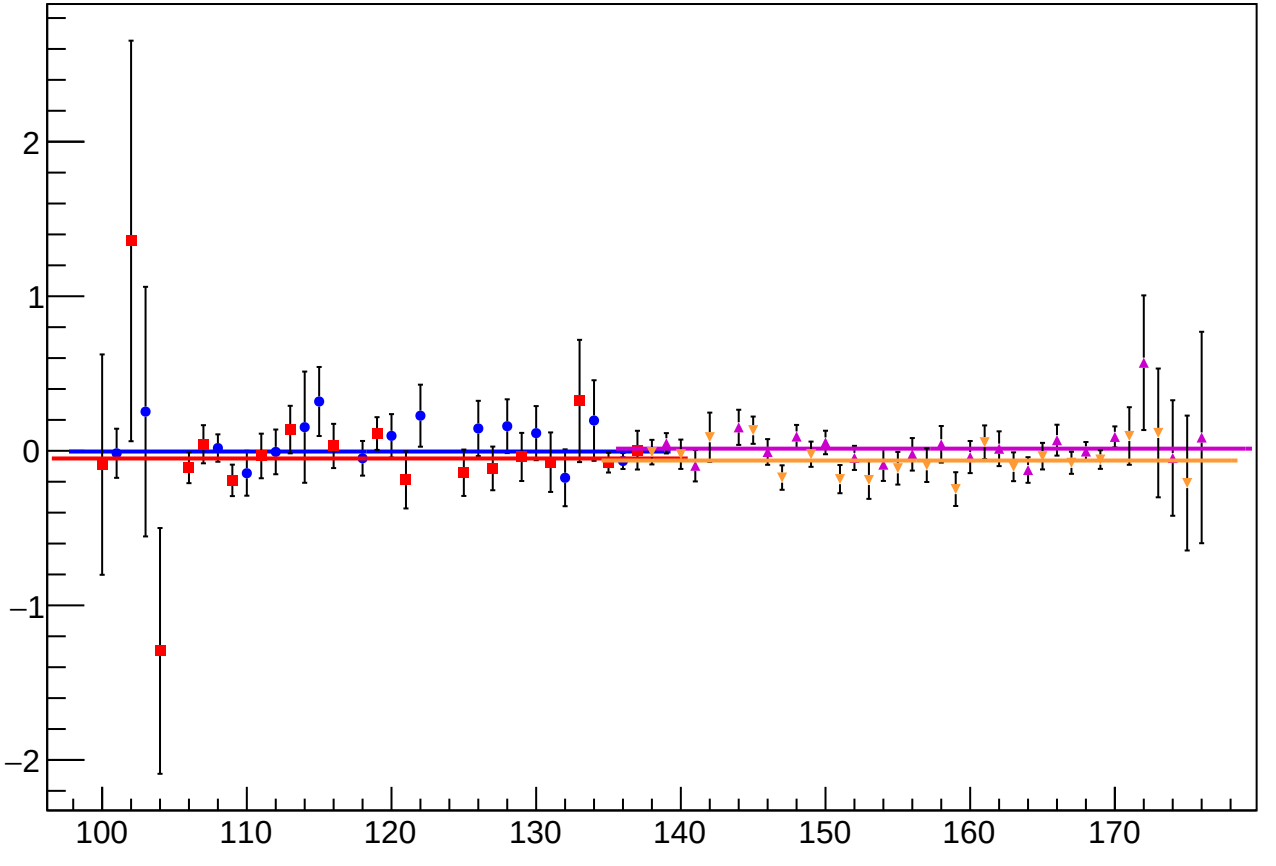
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.763+/-0.013 χ^2/NDF:7101734.6/34

Out: 73.142+/-0.013 χ^2/NDF:6329278.5/36

All: 72.948+/-0.009 χ^2/NDF: 13431460.8/71

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: -0.063+/-0.022 χ^2/NDF:17.2/18

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.023+/-0.015 χ^2/NDF: 35.9/37

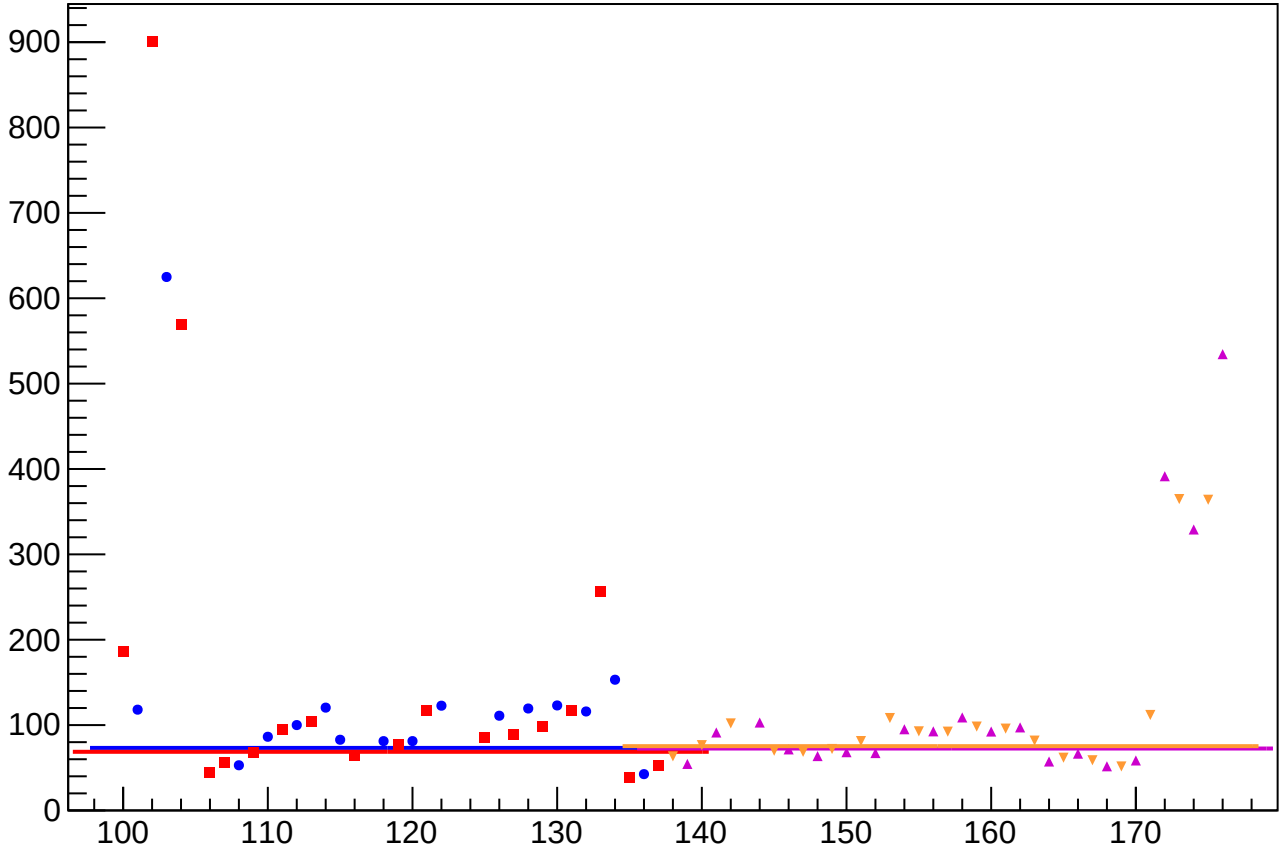
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:30.3/36

All: -0.024+/-0.013 χ^2/NDF: 60.3/71

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: 75.311+/-0.016 χ^2/NDF:2938211.5/18

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

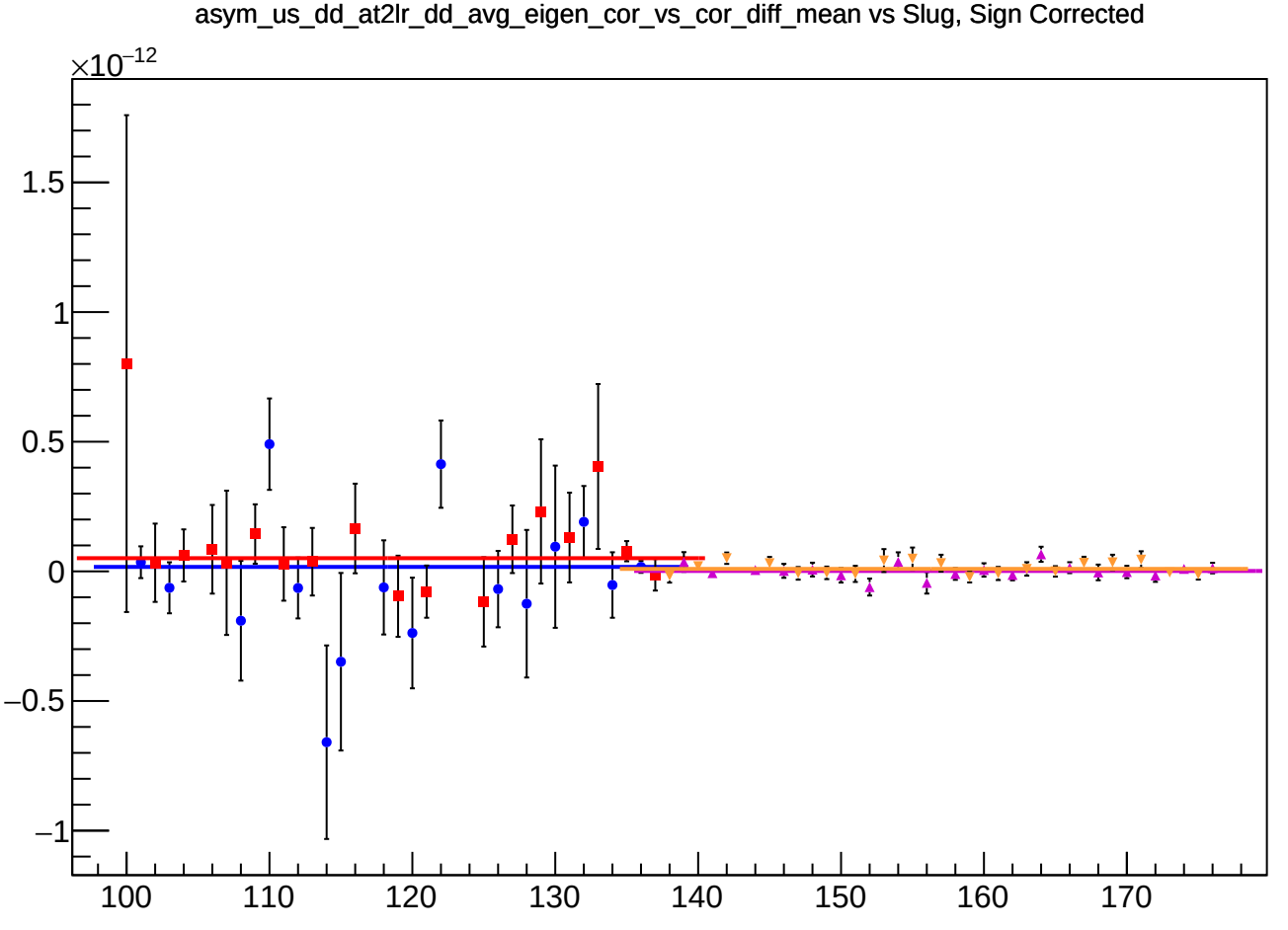
Left: 73.867+/-0.011 χ^2/NDF: 7203218.2/37

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.763+/-0.013 χ^2/NDF:7101734.6/34

Out: 73.142+/-0.013 χ^2/NDF:6329278.5/36

All: 72.948+/-0.009 χ^2/NDF: 13431460.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/18

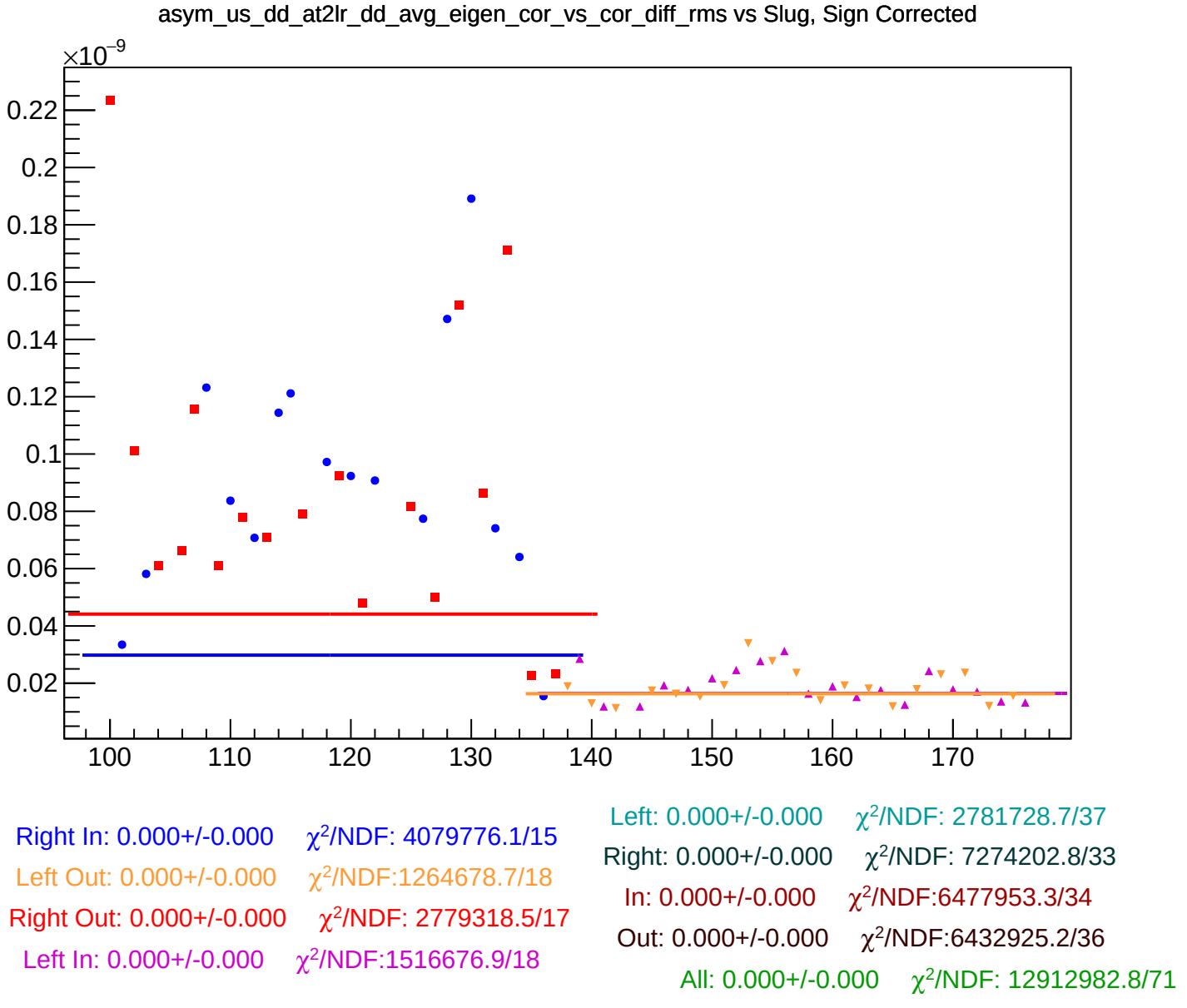
Left: 0.000+/-0.000 χ^2/NDF: 31.5/37

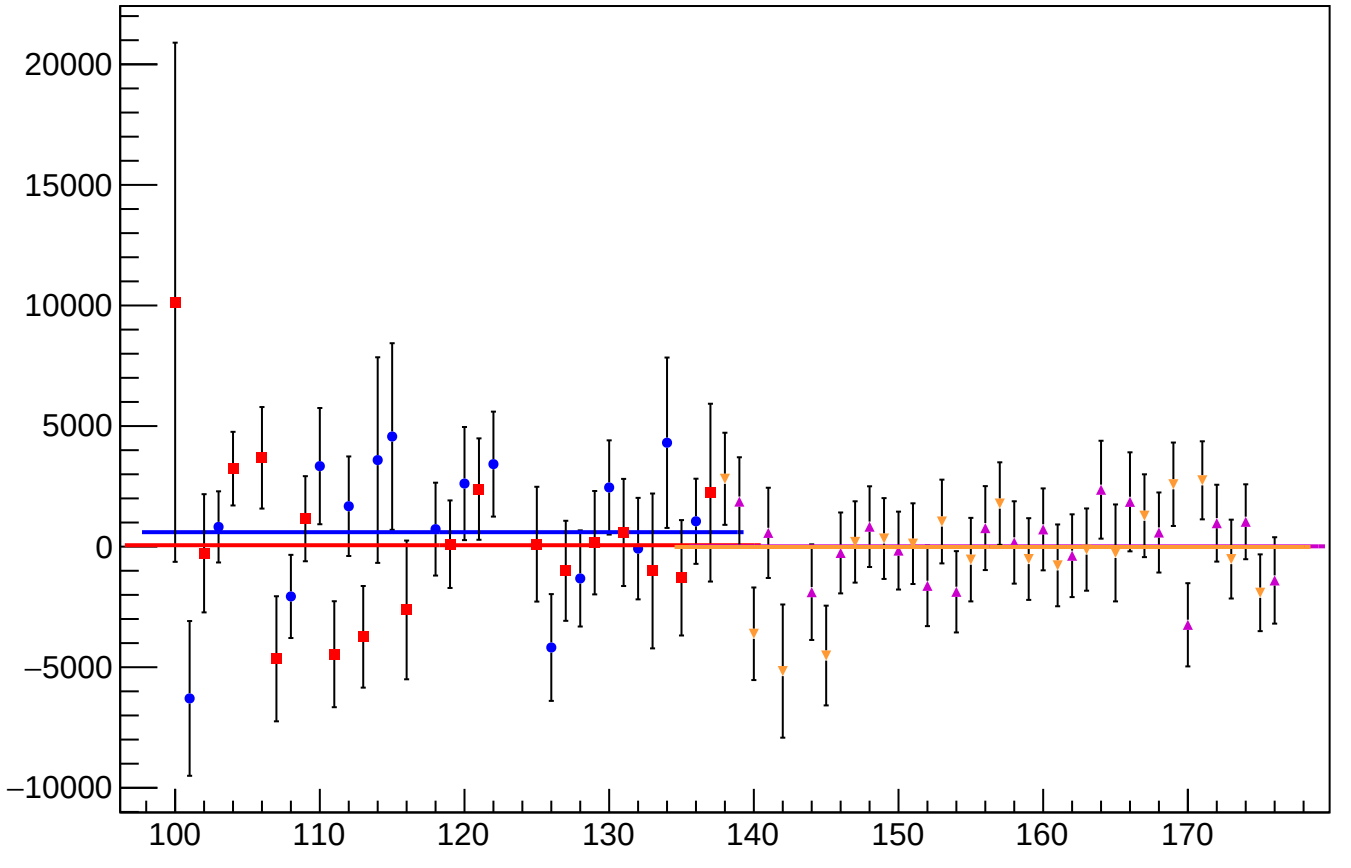
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.3/34

Out: 0.000+/-0.000 χ^2/NDF:27.9/36

All: 0.000+/-0.000 χ^2/NDF: 67.5/71


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:1264678.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1516676.9/18
Left: 0.000+/-0.000 χ²/NDF: 2781728.7/37
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6477953.3/34
Out: 0.000+/-0.000 χ²/NDF:6432925.2/36
All: 0.000+/-0.000 χ²/NDF: 12912982.8/71



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.124+/-405.107 χ^2/NDF:23.1/18

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 13.347+/-398.440 χ^2/NDF:12.2/18

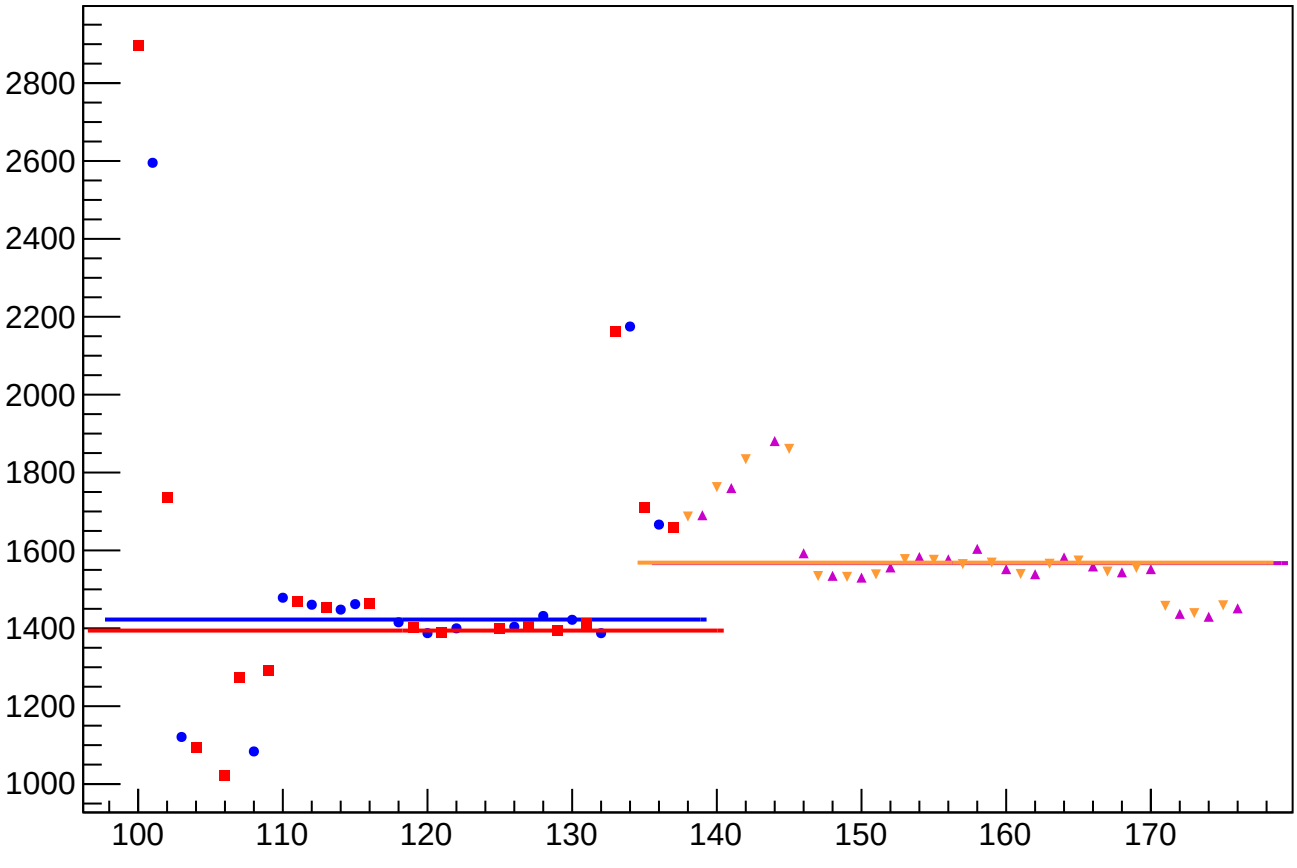
Left: -0.161+/-284.067 χ^2/NDF: 35.3/37

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 220.173+/-320.623 χ^2/NDF:33.3/34

Out: 12.863+/-321.901 χ^2/NDF:45.7/36

All: 116.930+/-227.165 χ^2/NDF: 79.1/71



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

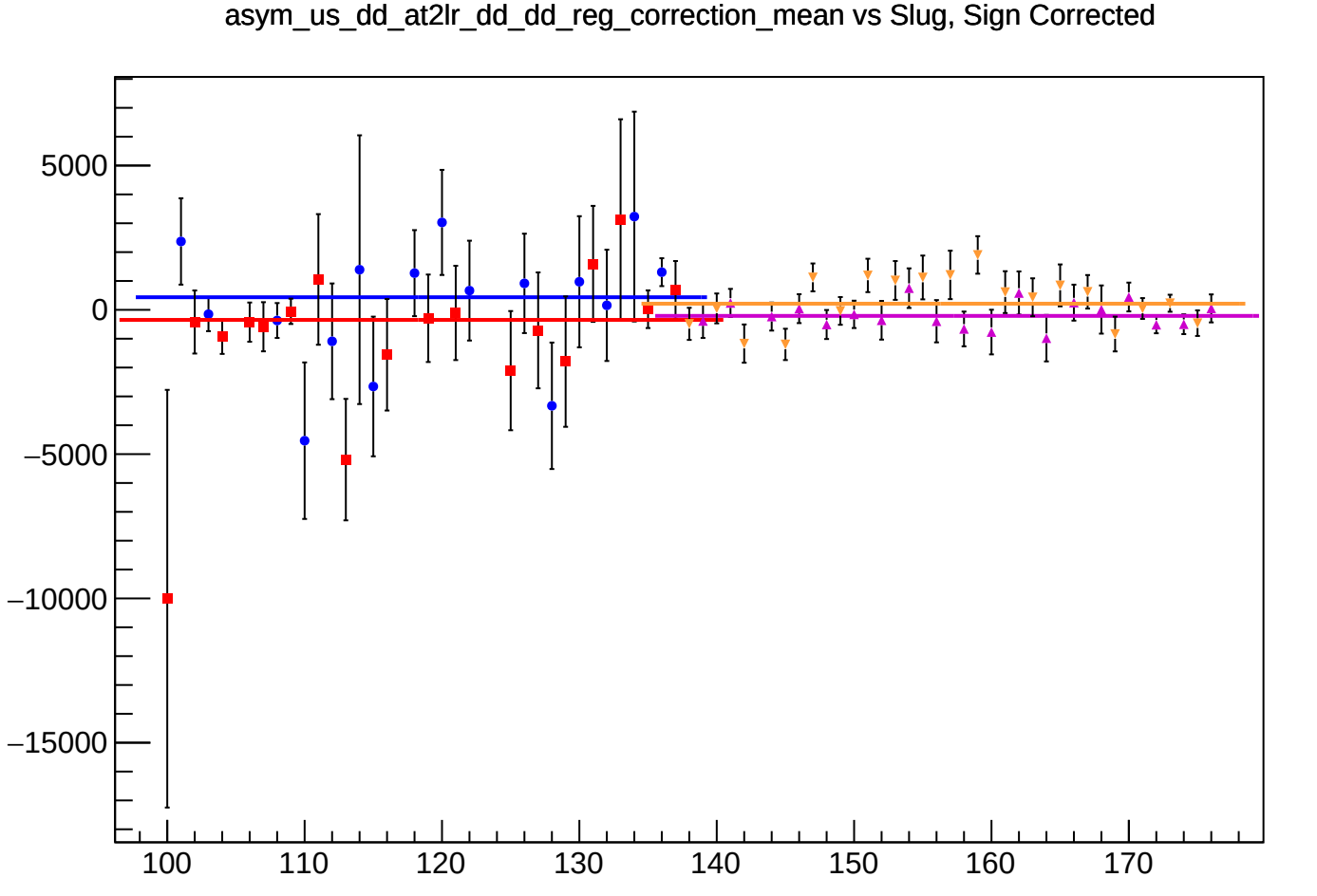
Left: 1568.008+/-0.201 χ^2/NDF: 244205.3/37

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

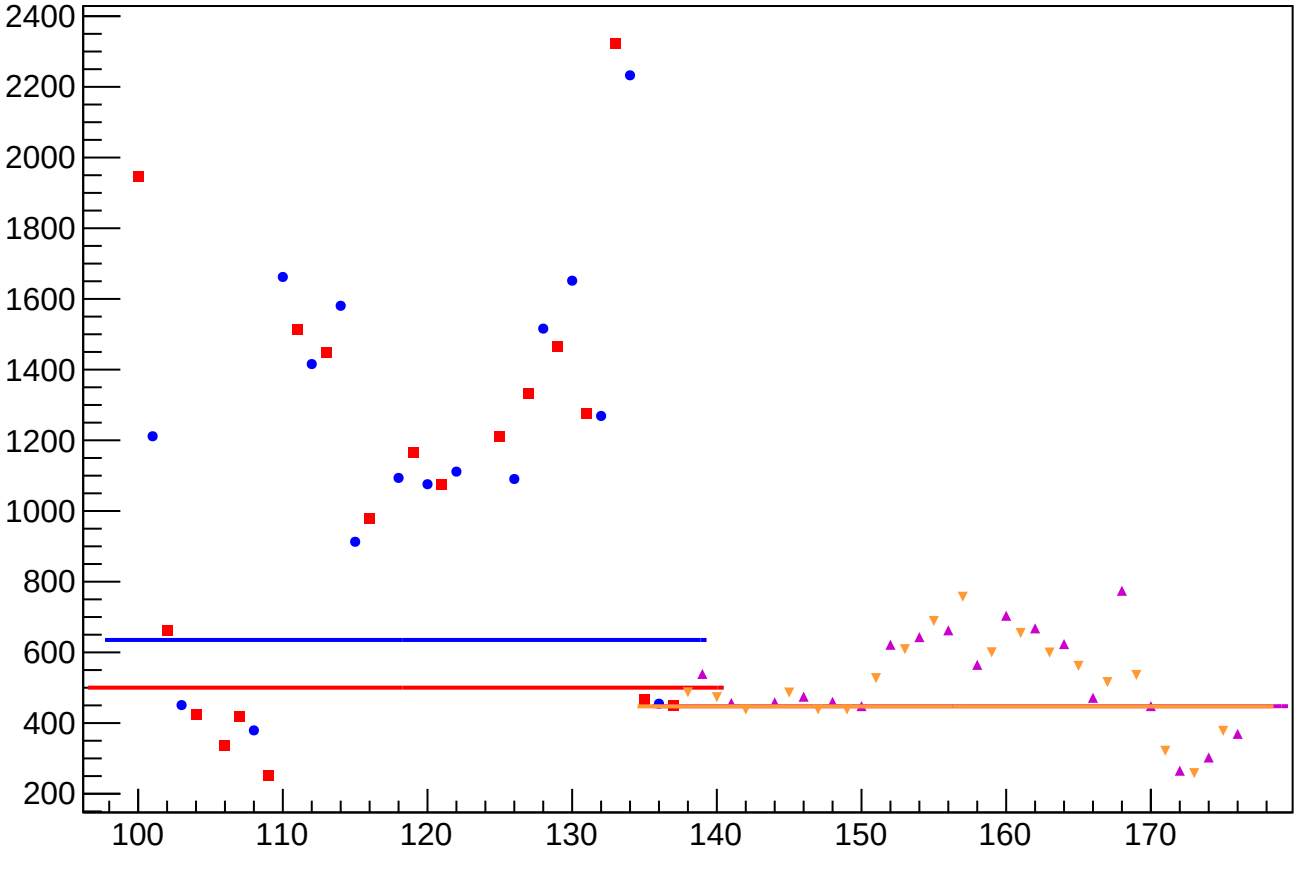
In: 1516.349+/-0.227 χ^2/NDF:776096.0/34

Out: 1504.312+/-0.228 χ^2/NDF:651960.1/36

All: 1510.354+/-0.161 χ^2/NDF: 1429459.8/71


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 212.687+/-121.139 χ²/NDF:37.8/18
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -209.593+/-119.579 χ²/NDF:11.2/18
Left: -1.188+/-85.101 χ²/NDF: 55.1/37
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: -107.427+/-109.719 χ²/NDF:35.1/34
Out: 93.858+/-107.553 χ²/NDF:56.3/36
All: -4.779+/-76.806 χ²/NDF: 93.1/71

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: 447.170+/-0.086 χ^2/NDF:2276399.2/18

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 447.741+/-0.085 χ^2/NDF:2571372.0/18

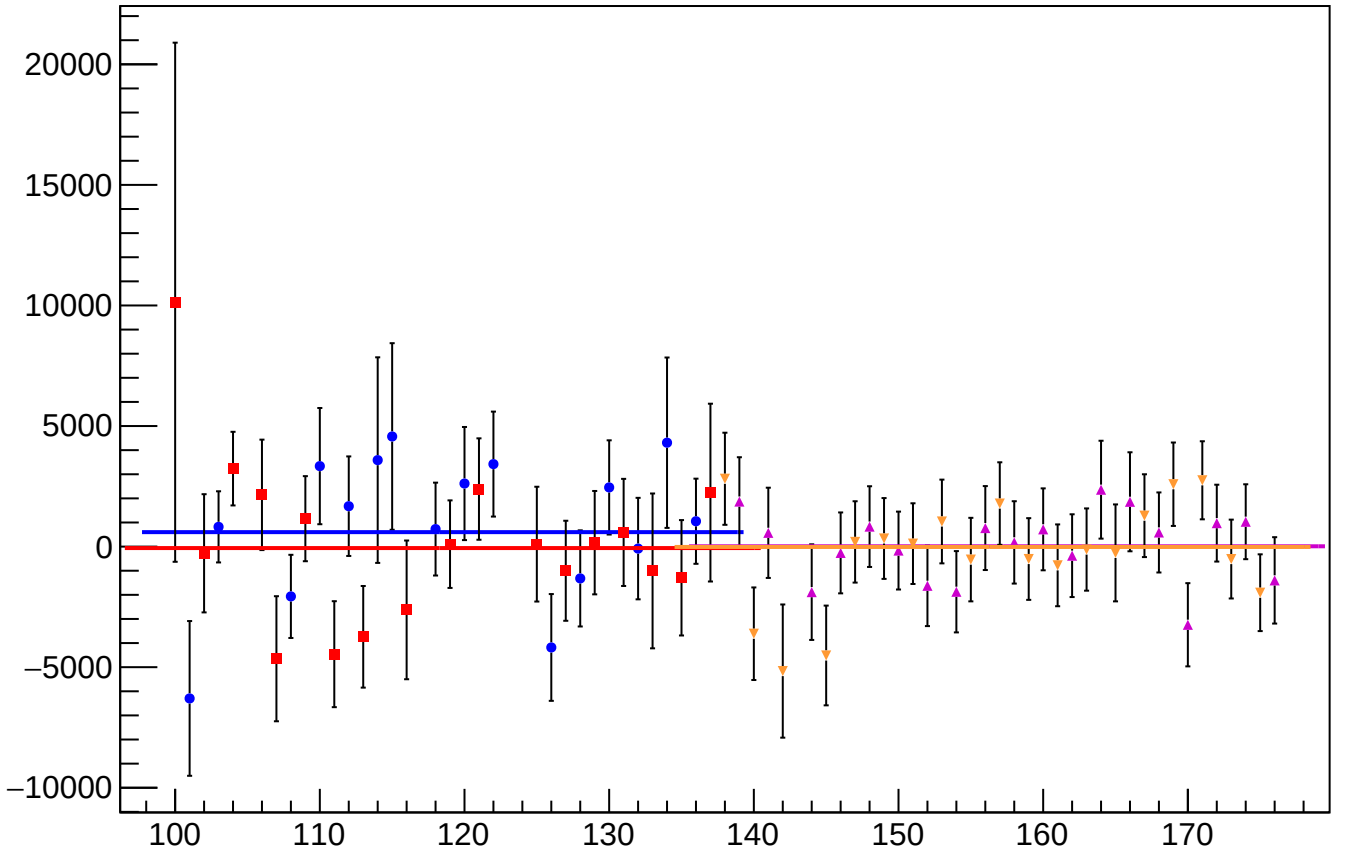
Left: 447.459+/-0.060 χ^2/NDF: 4847793.7/37

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 477.373+/-0.078 χ^2/NDF:7100618.4/34

Out: 458.405+/-0.076 χ^2/NDF:6666733.7/36

All: 467.700+/-0.054 χ^2/NDF: 13797835.7/71



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 13.306+/-398.440 χ^2/NDF:12.2/18

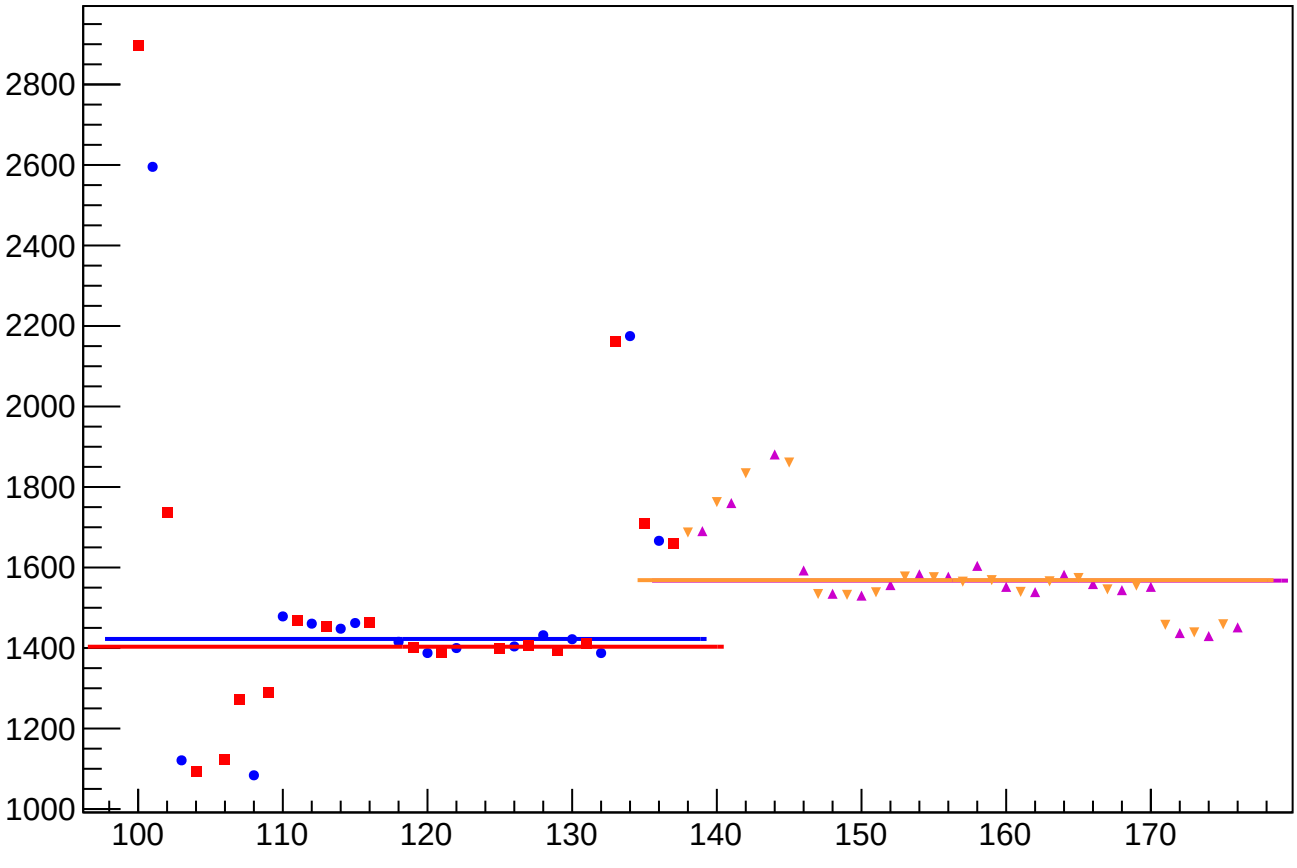
Left: -0.216+/-284.067 χ^2/NDF: 35.3/37

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 220.102+/-320.623 χ^2/NDF:33.3/34

Out: -31.106+/-322.484 χ^2/NDF:43.5/36

All: 95.225+/-227.370 χ^2/NDF: 77.1/71



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

Left: 1568.008+/-0.201 χ^2/NDF: 244205.3/37

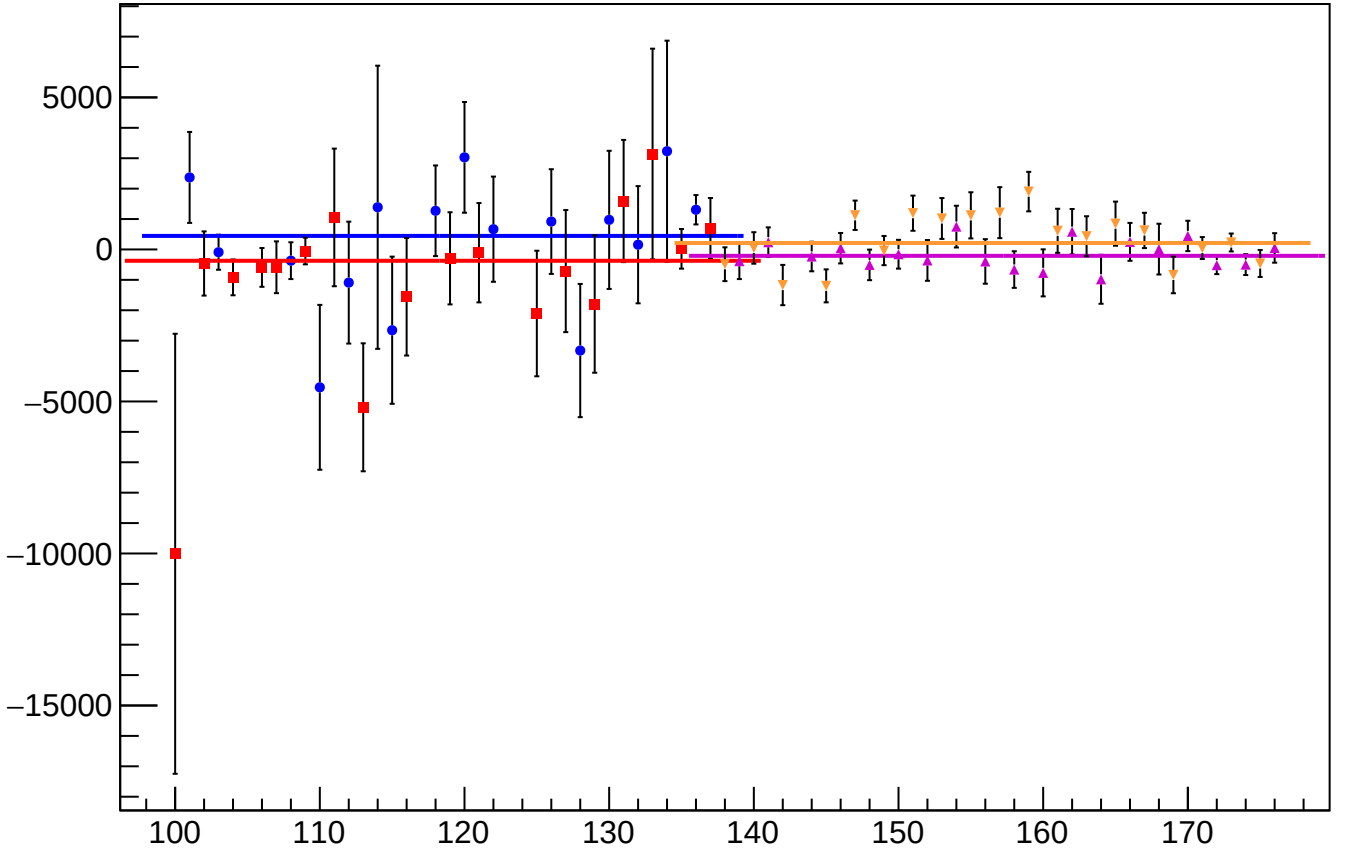
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1516.349+/-0.227 χ^2/NDF:776096.4/34

Out: 1508.027+/-0.228 χ^2/NDF:602829.9/36

All: 1512.212+/-0.161 χ^2/NDF: 1379596.0/71

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: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -209.759+/-119.580 χ^2/NDF:11.2/18

Left: -1.267+/-85.102 χ^2/NDF: 55.1/37

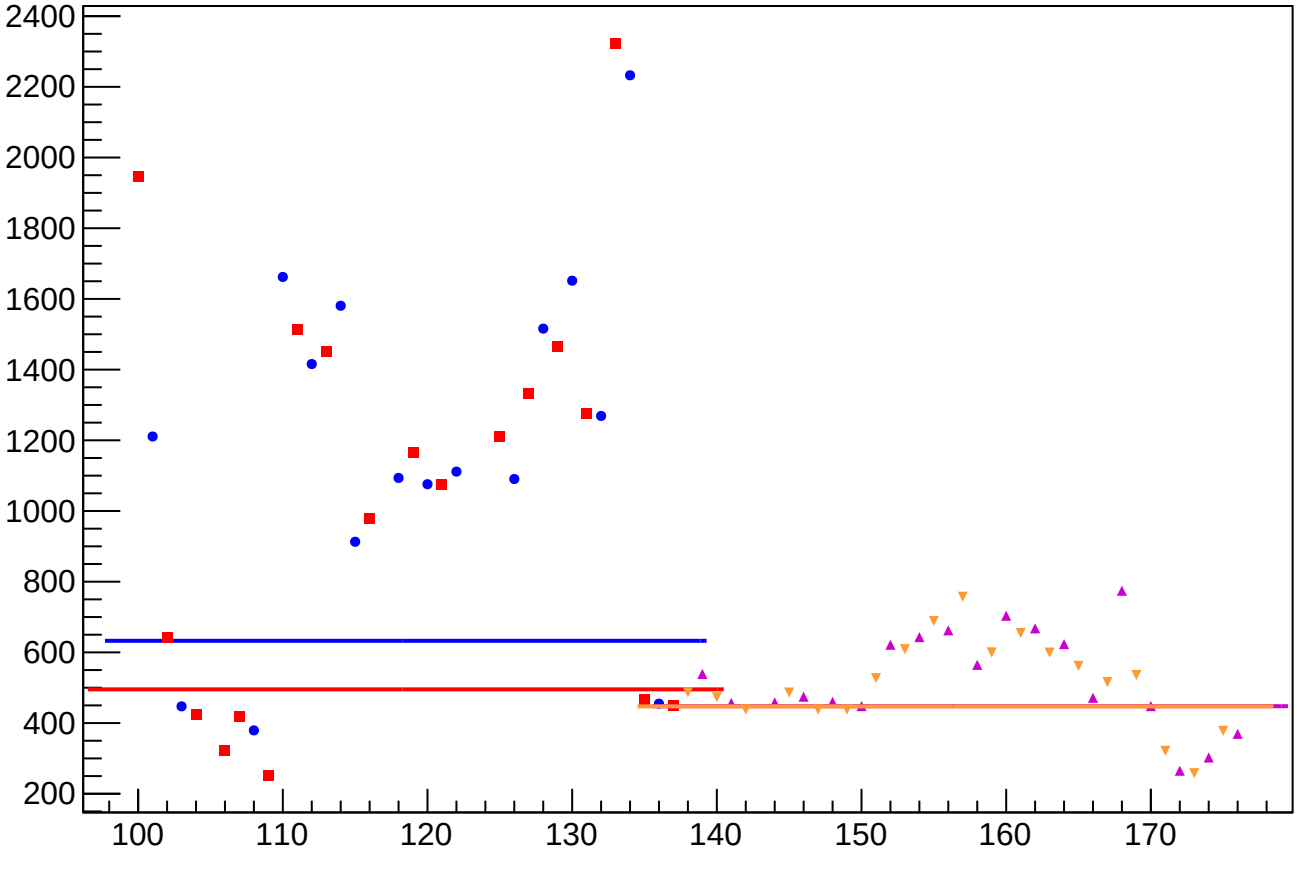
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -105.455+/-109.645 χ^2/NDF:35.1/34

Out: 86.770+/-107.318 χ^2/NDF:56.8/36

All: -7.281+/-76.694 χ^2/NDF: 93.5/71

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: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

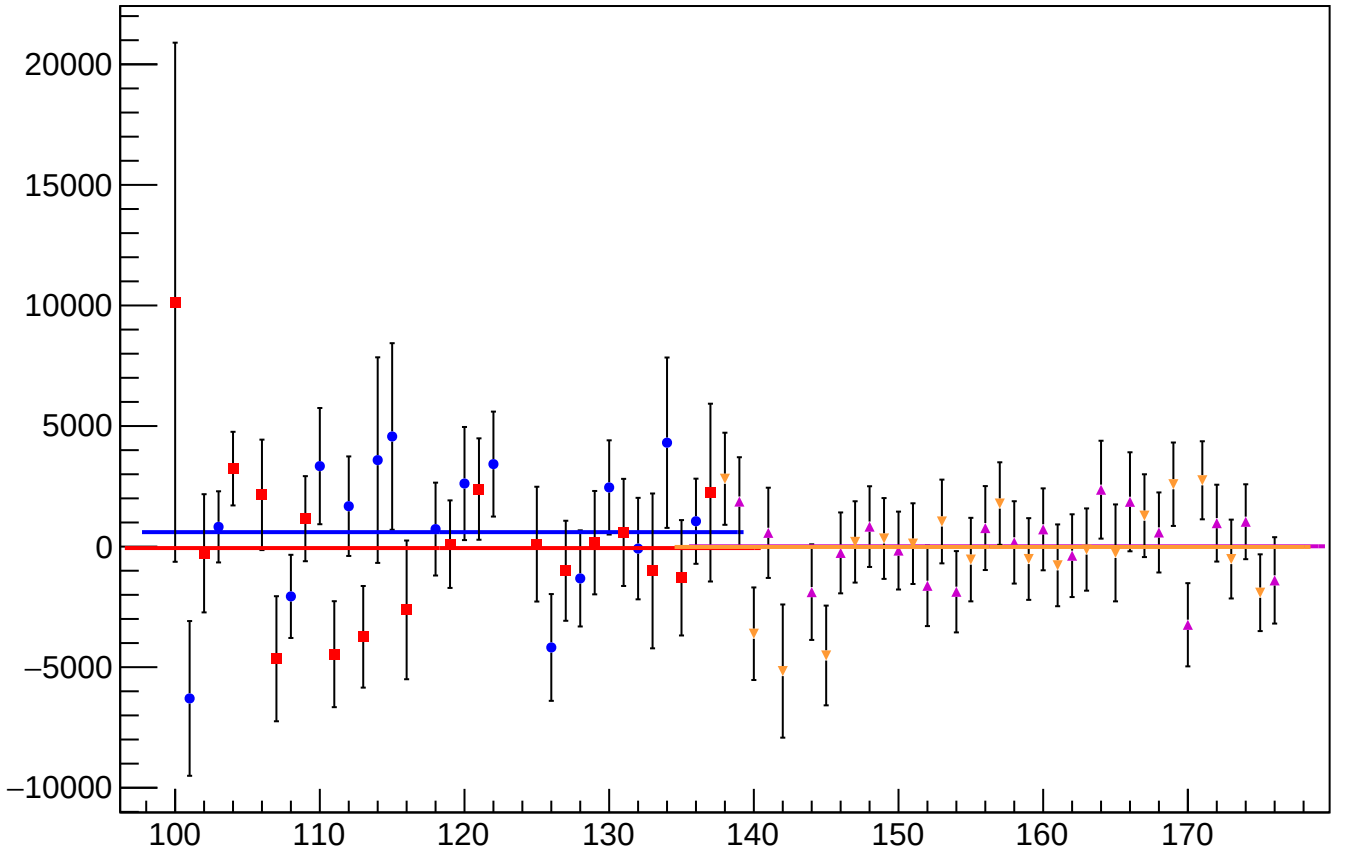
Left: 447.462+/-0.060 χ^2/NDF: 4847759.7/37

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 477.212+/-0.078 χ^2/NDF:7101306.7/34

Out: 457.543+/-0.076 χ^2/NDF:6682282.6/36

All: 467.167+/-0.054 χ^2/NDF: 13816460.0/71



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -14.195+/-405.107 χ^2/NDF:23.1/18

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 13.306+/-398.440 χ^2/NDF:12.2/18

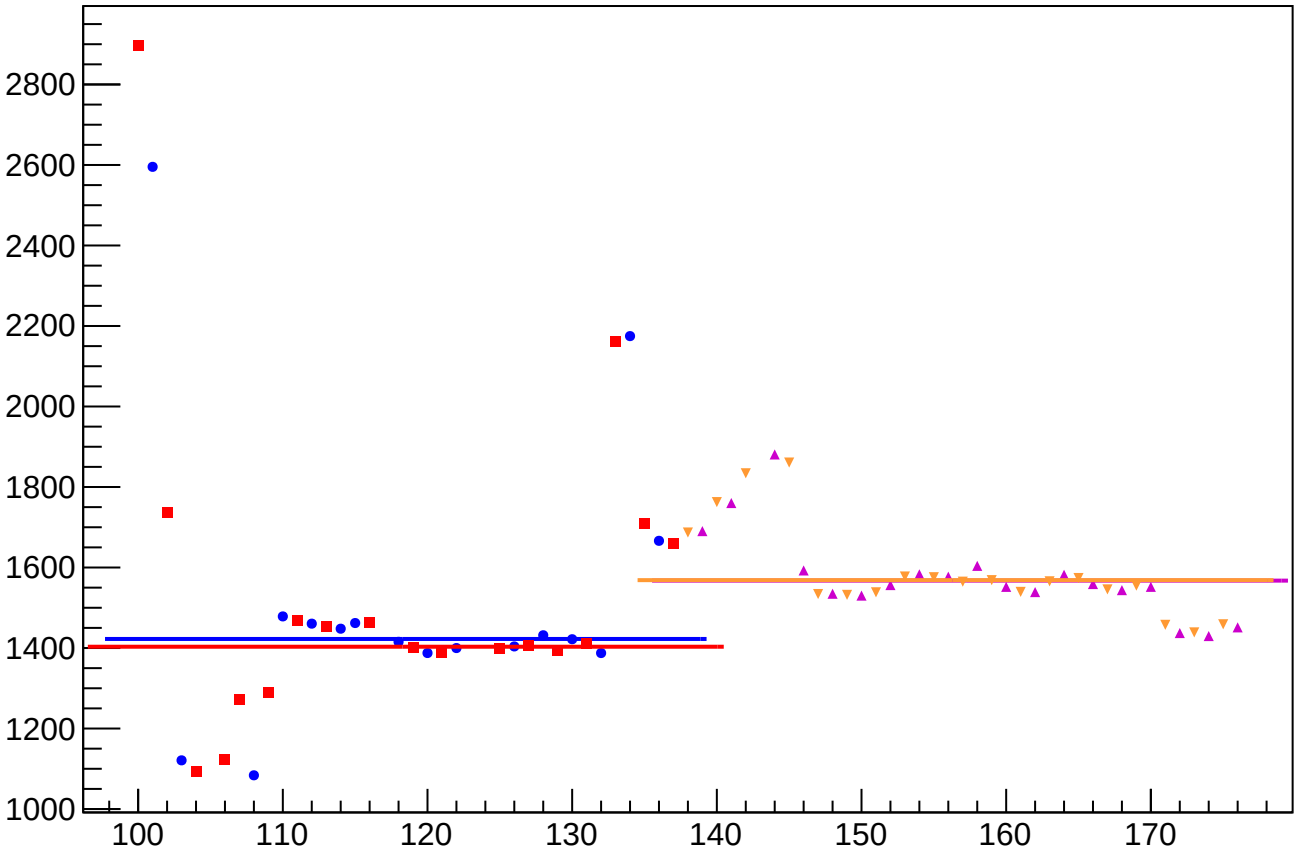
Left: -0.216+/-284.067 χ^2/NDF: 35.3/37

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 220.102+/-320.623 χ^2/NDF:33.3/34

Out: -31.106+/-322.484 χ^2/NDF:43.5/36

All: 95.225+/-227.370 χ^2/NDF: 77.1/71



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1568.611+/-0.286 χ^2/NDF:121602.3/18

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

Left: 1568.008+/-0.201 χ^2/NDF: 244205.3/37

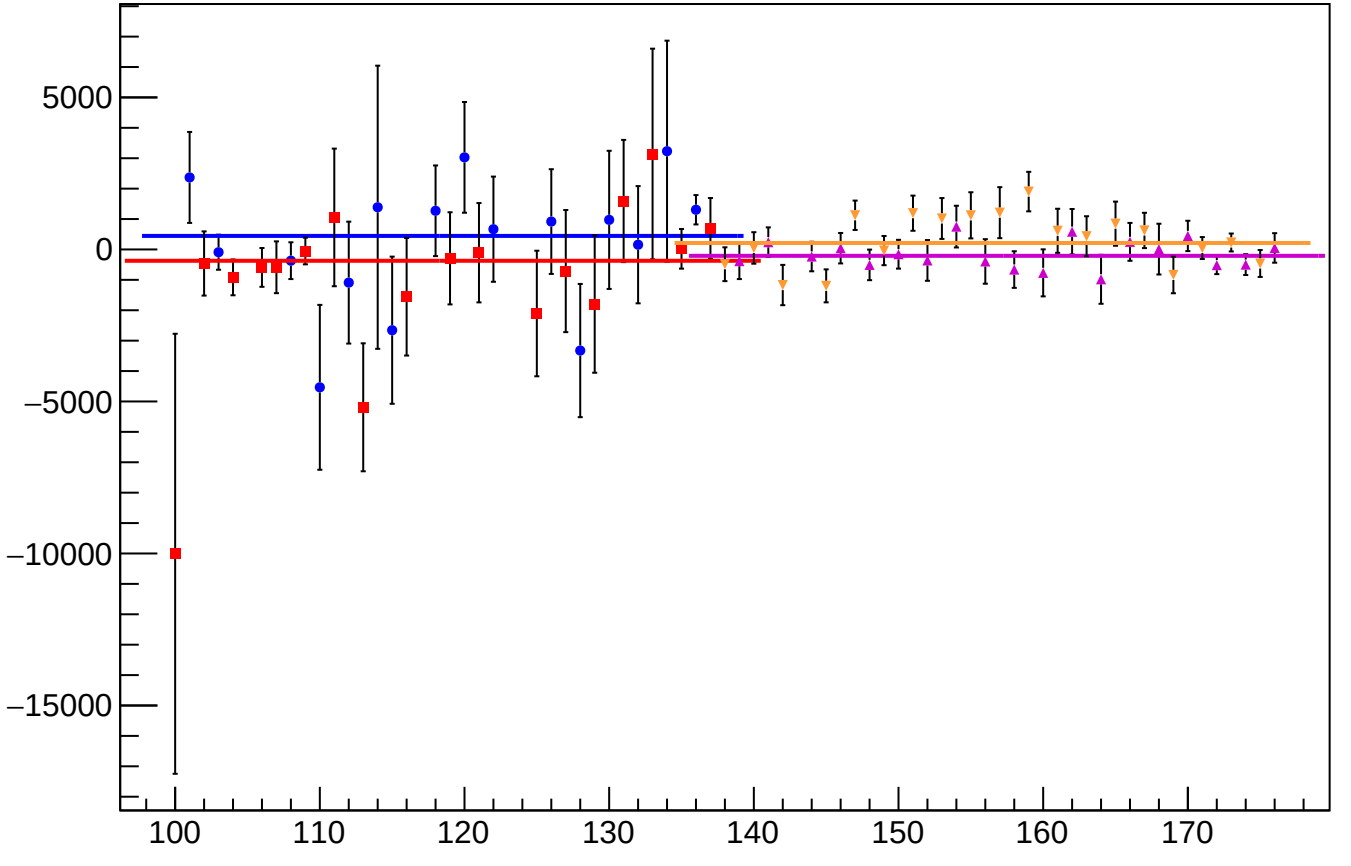
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1516.349+/-0.227 χ^2/NDF:776096.4/34

Out: 1508.027+/-0.228 χ^2/NDF:602829.9/36

All: 1512.212+/-0.161 χ^2/NDF: 1379596.0/71

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: 212.698+/-121.139 χ^2/NDF:37.8/18

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -209.759+/-119.580 χ^2/NDF:11.2/18

Left: -1.267+/-85.102 χ^2/NDF: 55.1/37

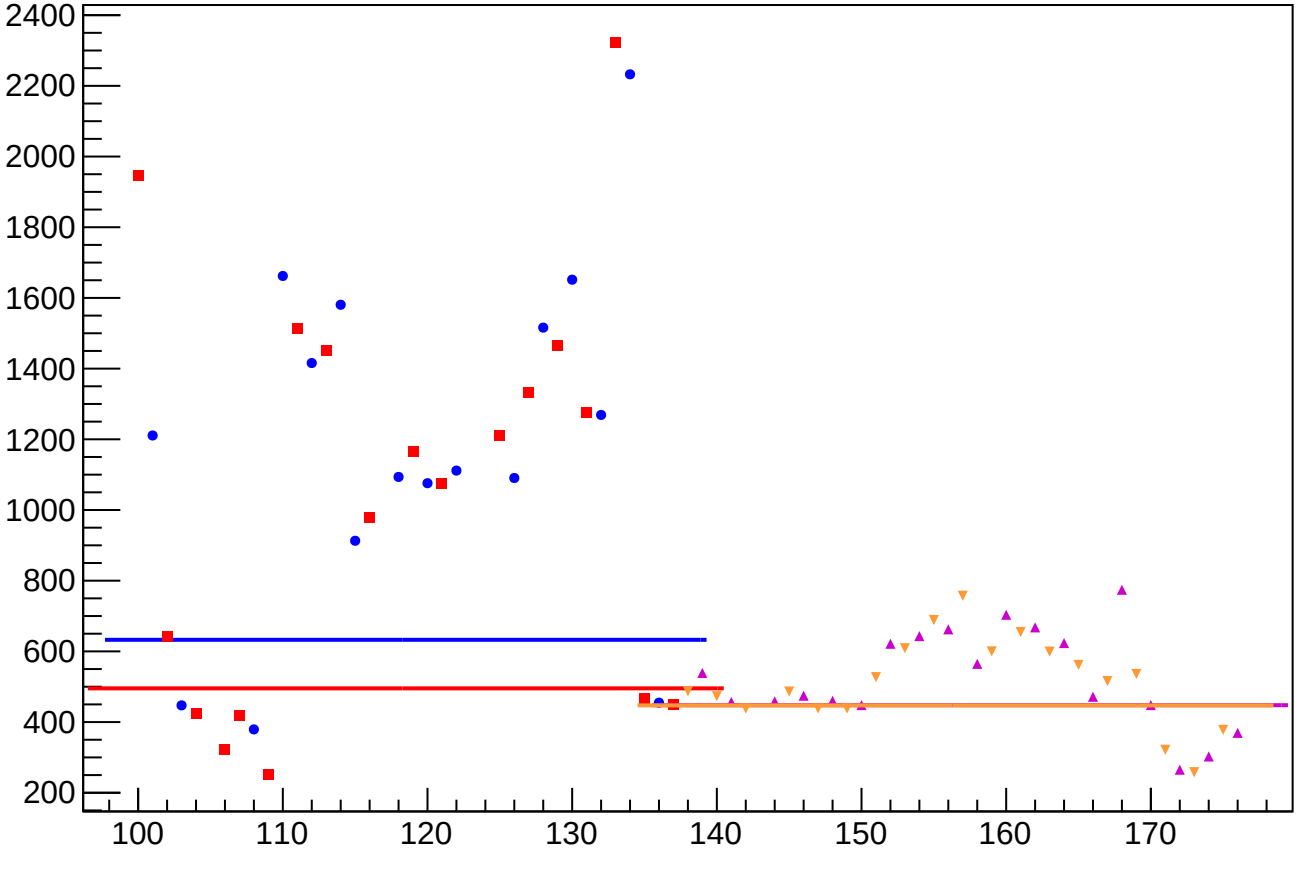
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -105.455+/-109.645 χ^2/NDF:35.1/34

Out: 86.770+/-107.318 χ^2/NDF:56.8/36

All: -7.281+/-76.694 χ^2/NDF: 93.5/71

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: 447.170+/-0.086 χ^2/NDF:2276637.5/18

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

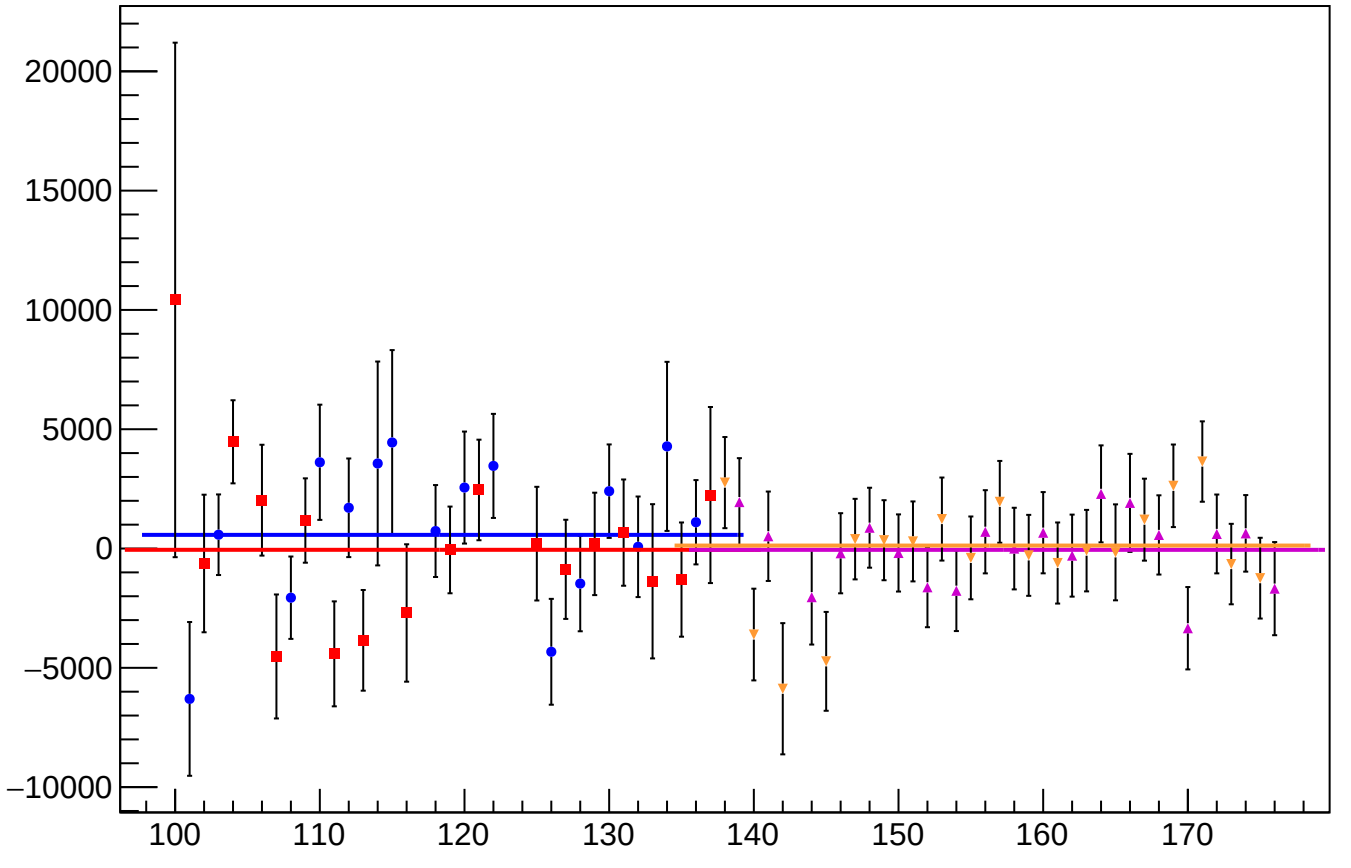
Left: 447.462+/-0.060 χ^2/NDF: 4847759.7/37

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 477.212+/-0.078 χ^2/NDF:7101306.7/34

Out: 457.543+/-0.076 χ^2/NDF:6682282.6/36

All: 467.167+/-0.054 χ^2/NDF: 13816460.0/71



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 124.388+/-408.765 χ^2/NDF:25.6/18

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -55.409+/-402.164 χ^2/NDF:11.9/18

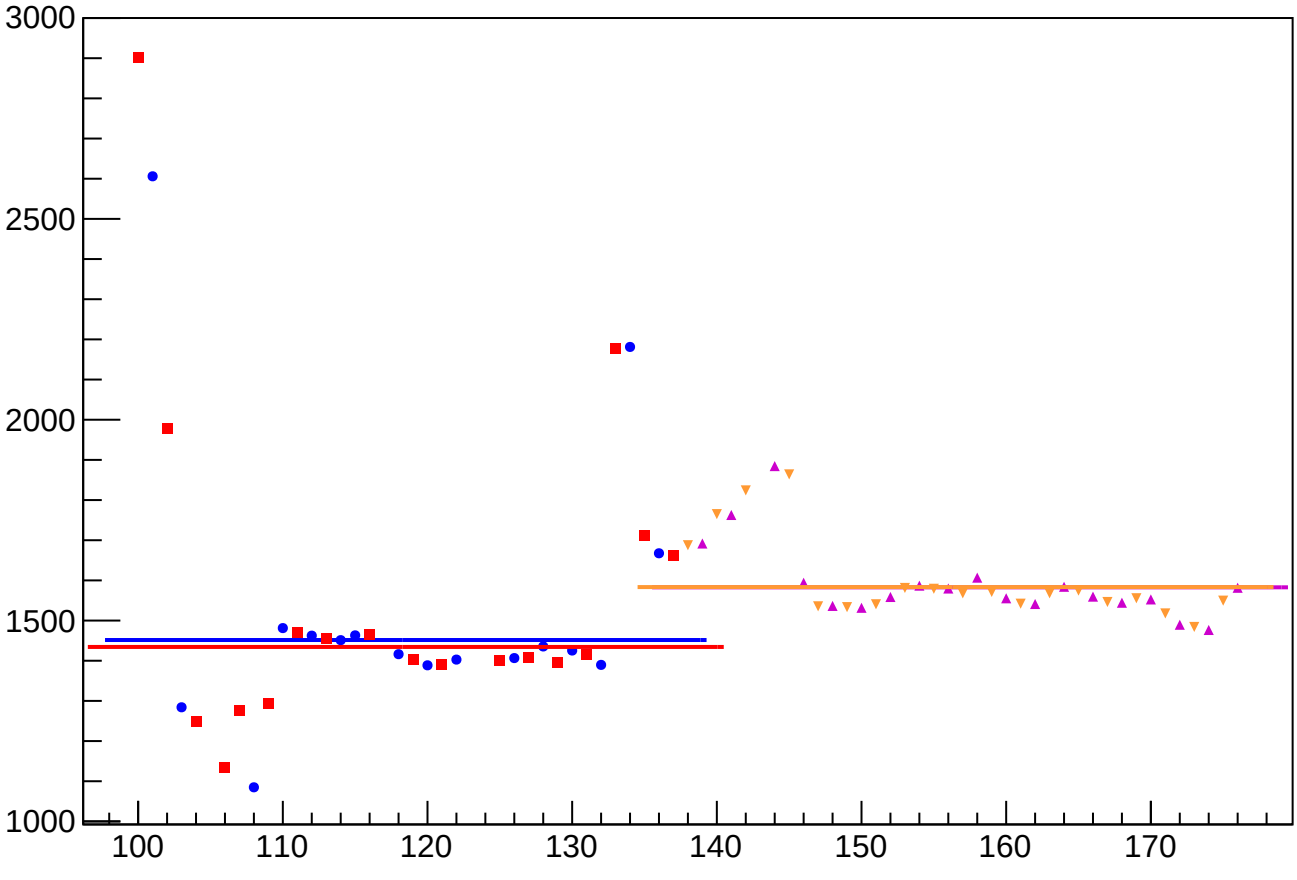
Left: 33.027+/-286.678 χ^2/NDF: 37.7/37

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 163.464+/-324.562 χ^2/NDF:33.6/34

Out: 60.307+/-327.084 χ^2/NDF:48.2/36

All: 112.285+/-230.386 χ^2/NDF: 81.8/71



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94370.2/18

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94834.7/18

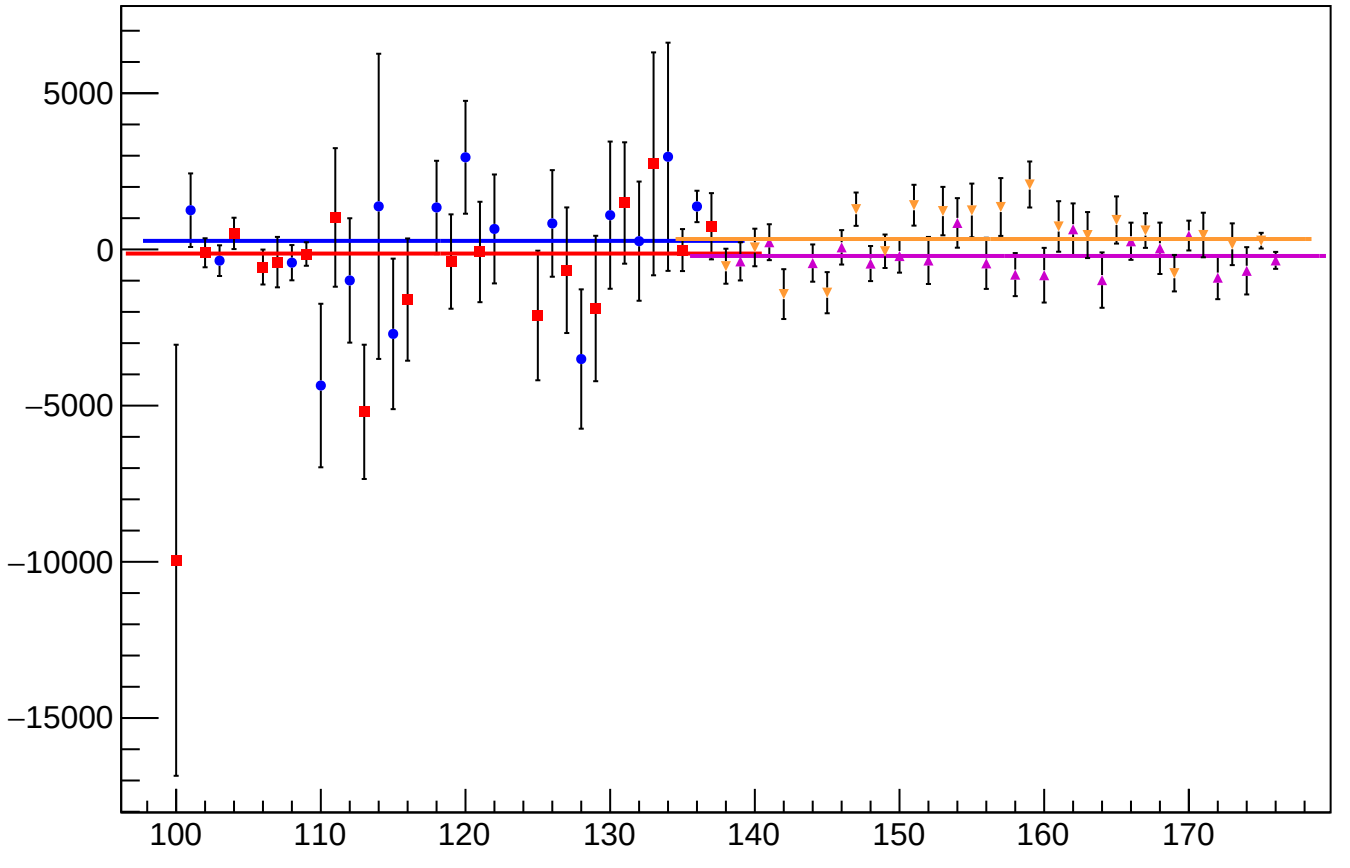
Left: 1583.053+/-0.203 χ^2/NDF: 189207.1/37

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1537.018+/-0.229 χ^2/NDF:656870.4/34

Out: 1529.745+/-0.231 χ^2/NDF:518596.8/36

All: 1533.410+/-0.163 χ^2/NDF: 1175965.4/71



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 333.574+/-132.938 χ^2/NDF:34.9/18

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -209.667+/-134.031 χ^2/NDF:10.5/18

Left: 64.178+/-94.385 χ^2/NDF: 53.7/37

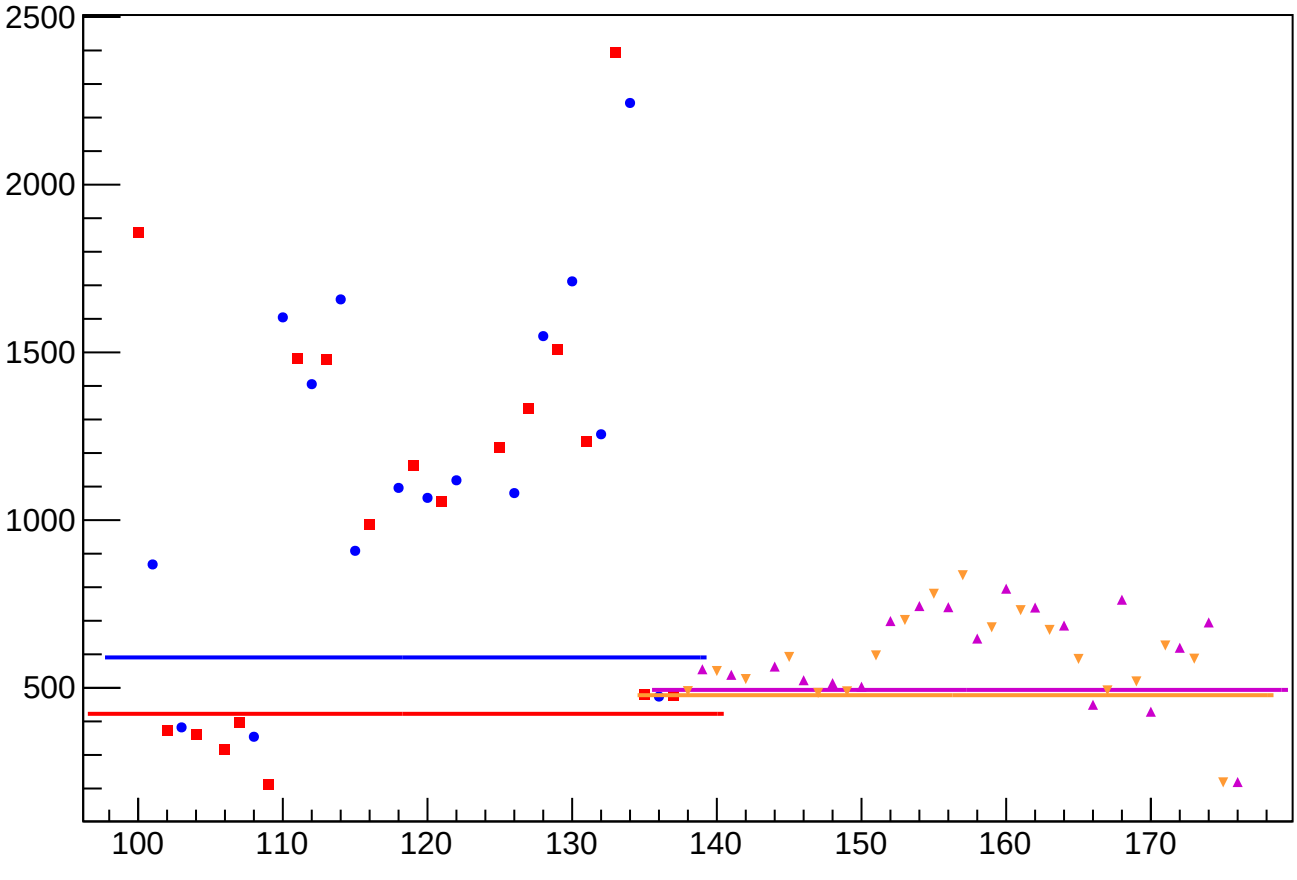
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -108.568+/-119.185 χ^2/NDF:33.4/34

Out: 186.631+/-110.007 χ^2/NDF:53.2/36

All: 50.833+/-80.837 χ^2/NDF: 90.0/71

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: 478.154+/-0.094 χ^2/NDF:3700516.3/18

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 493.957+/-0.095 χ^2/NDF:3727093.0/18

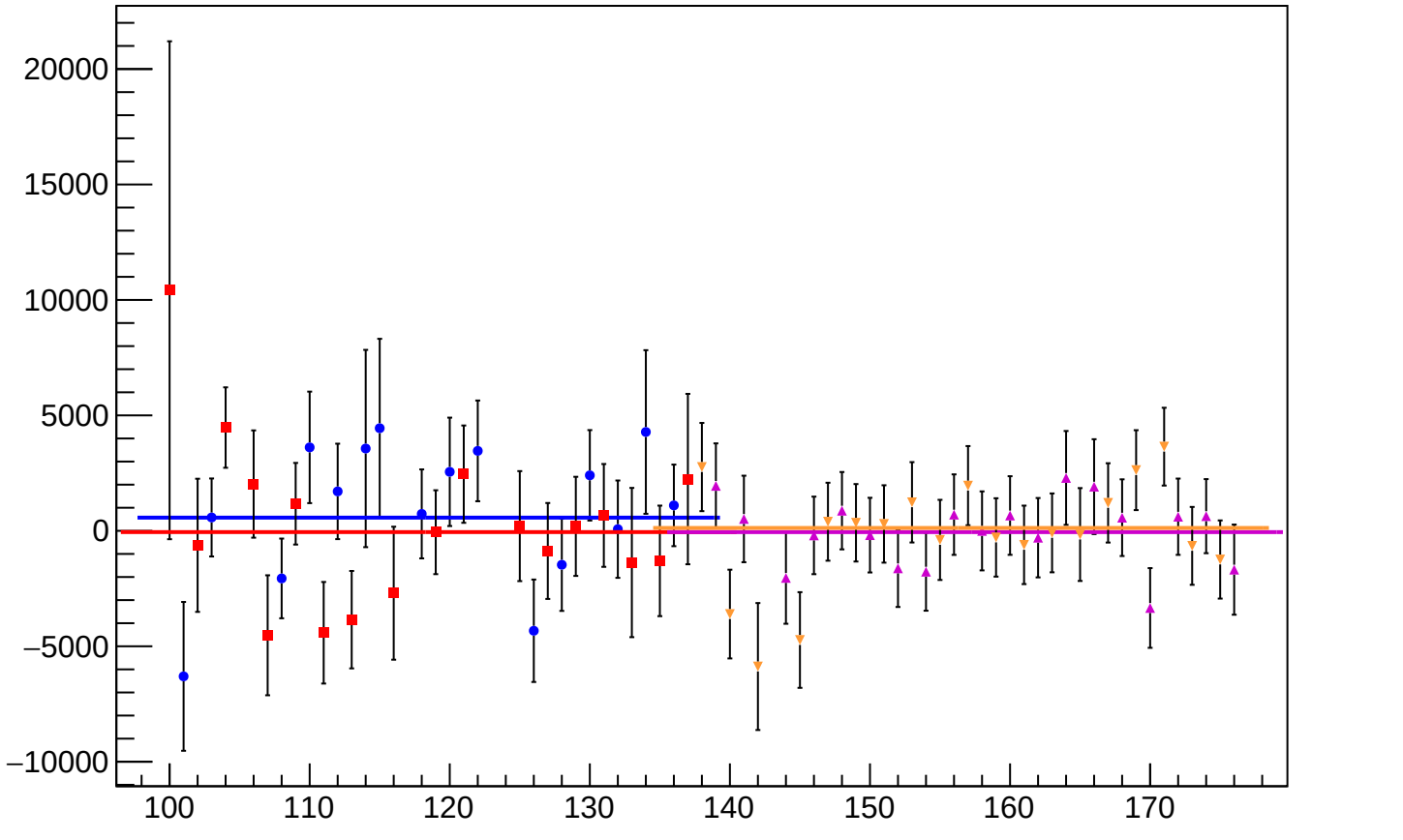
Left: 485.991+/-0.067 χ^2/NDF: 7441624.3/37

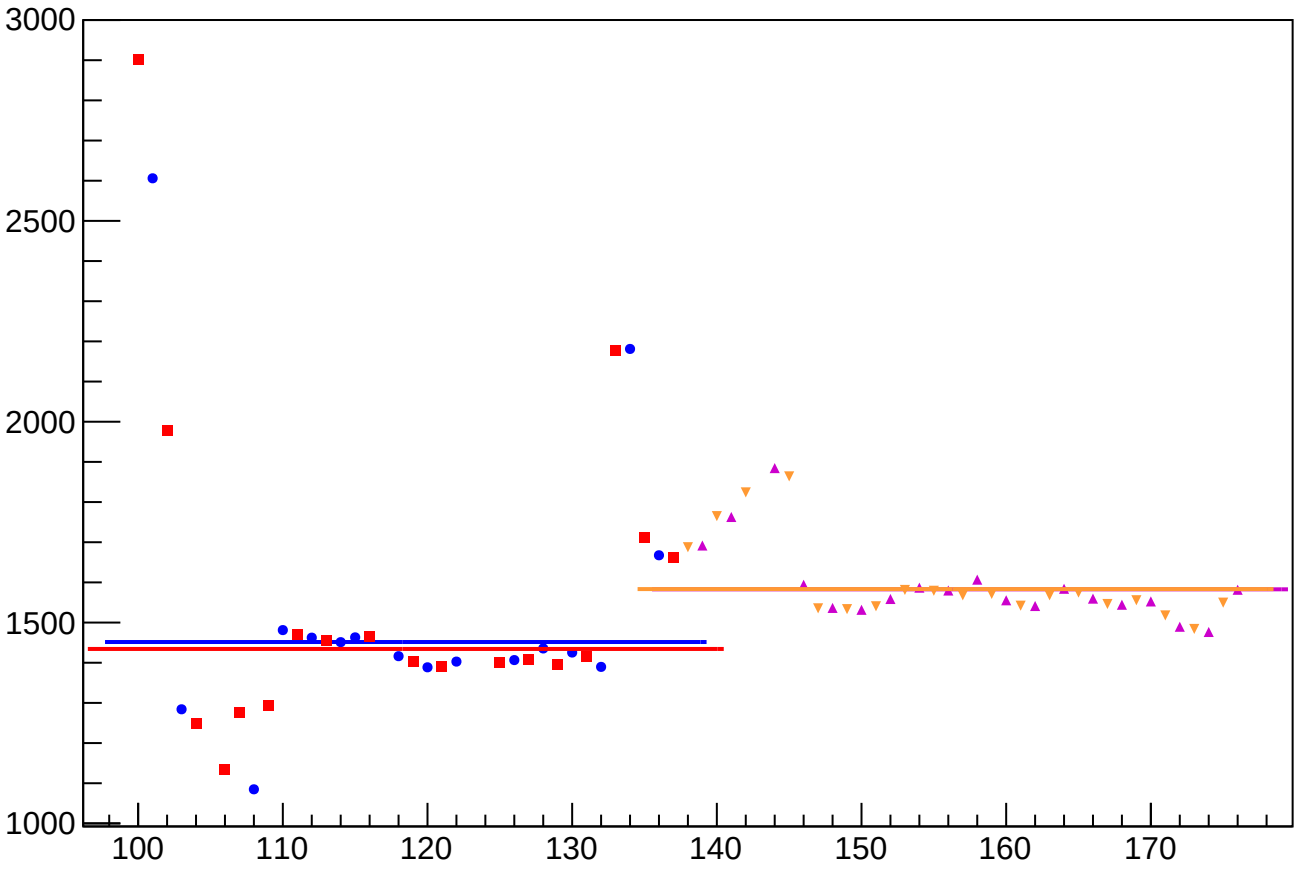
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 514.212+/-0.084 χ^2/NDF:7830869.0/34

Out: 460.651+/-0.078 χ^2/NDF:8668518.2/36

All: 485.290+/-0.057 χ^2/NDF: 16717494.1/71


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 124.384+/-408.764 χ²/NDF:25.6/18
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -55.407+/-402.164 χ²/NDF:11.9/18
Left: 33.025+/-286.678 χ²/NDF: 37.7/37
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 163.466+/-324.561 χ²/NDF:33.6/34
Out: 60.305+/-327.084 χ²/NDF:48.2/36
All: 112.285+/-230.386 χ²/NDF: 81.8/71



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1583.356+/-0.289 χ^2/NDF:94371.0/18

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94835.4/18

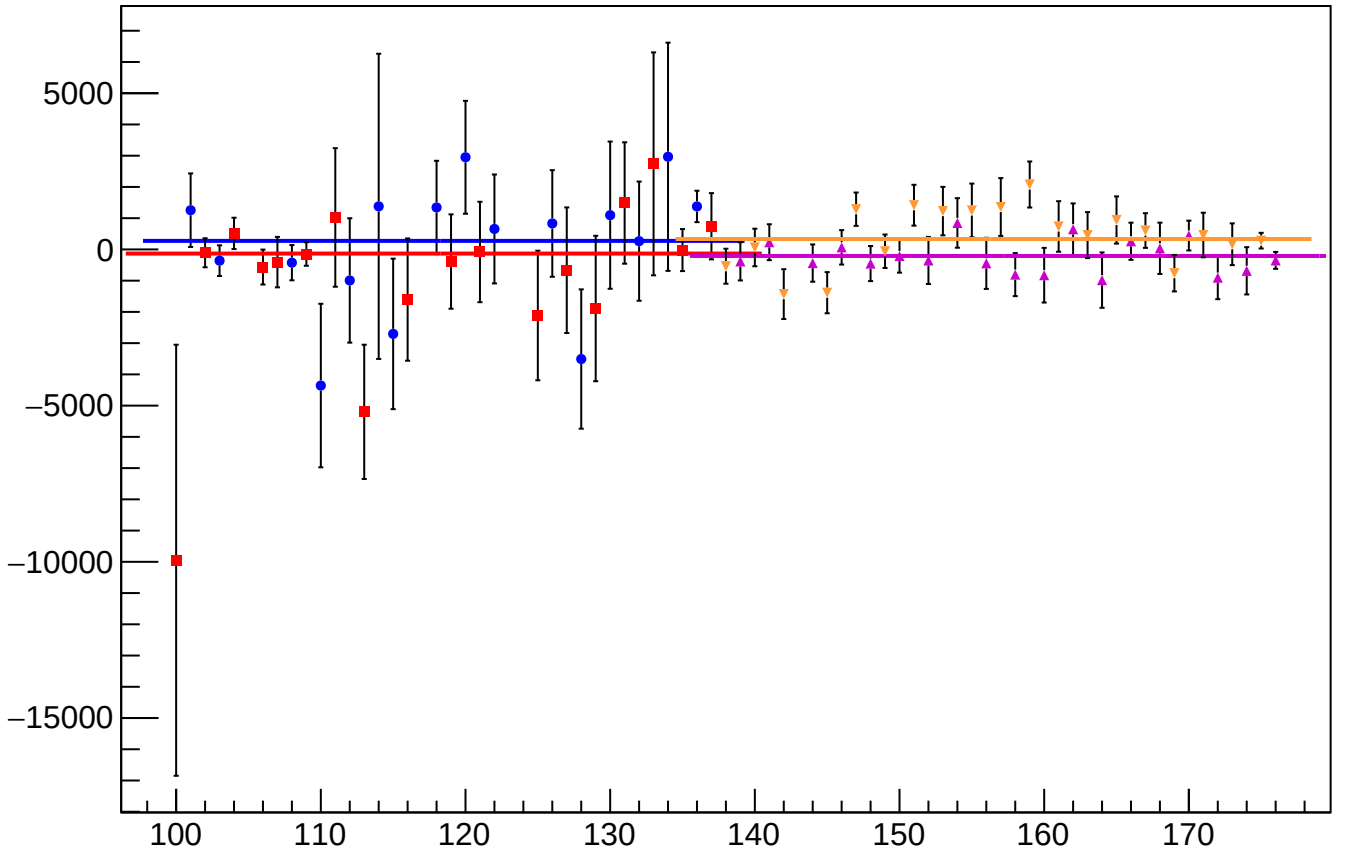
Left: 1583.052+/-0.203 χ^2/NDF: 189208.6/37

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1537.018+/-0.229 χ^2/NDF:656870.4/34

Out: 1529.745+/-0.231 χ^2/NDF:518597.4/36

All: 1533.409+/-0.163 χ^2/NDF: 1175966.0/71



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 333.581+/-132.939 χ^2/NDF:34.9/18

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -209.667+/-134.031 χ^2/NDF:10.5/18

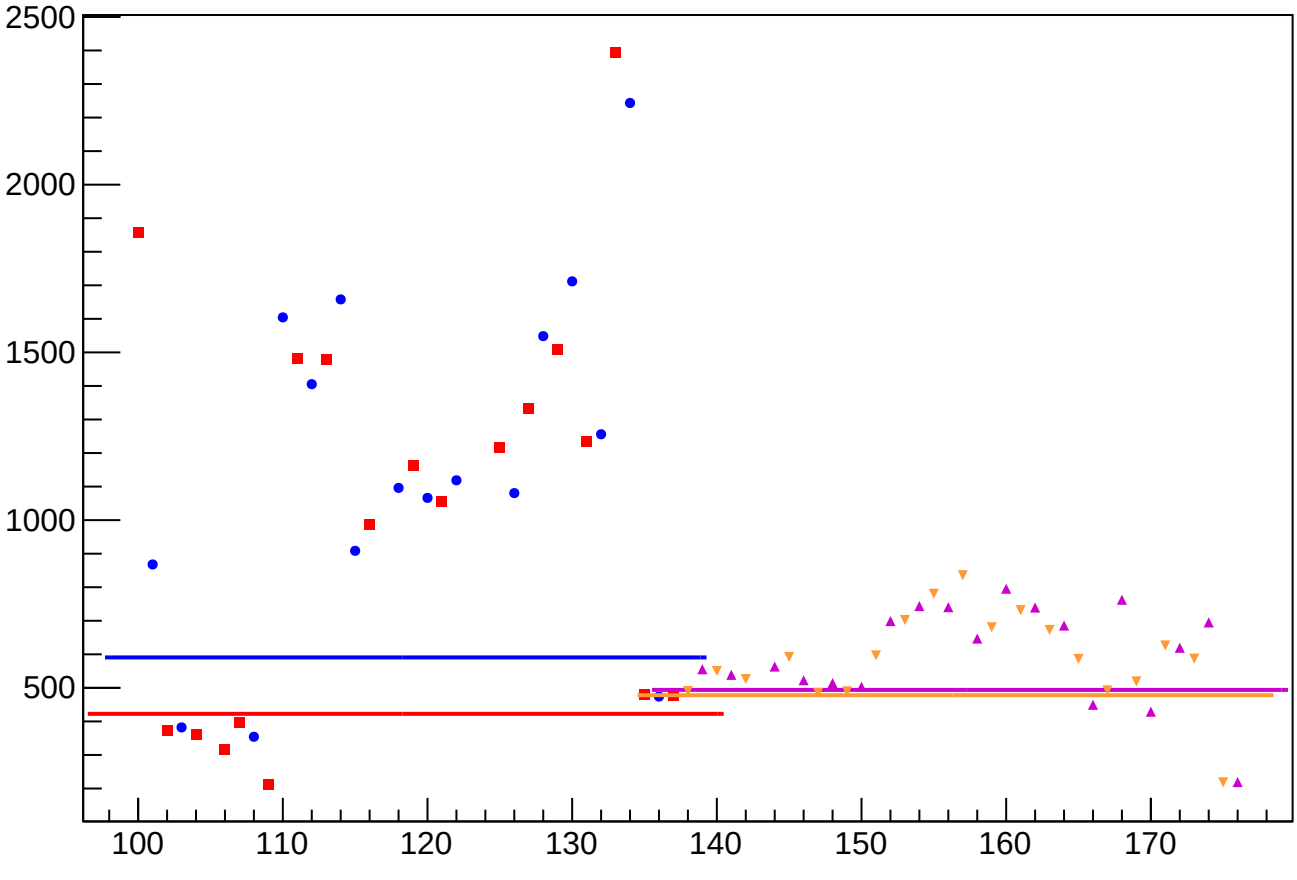
Left: 64.181+/-94.386 χ^2/NDF: 53.7/37

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -108.570+/-119.185 χ^2/NDF:33.4/34

Out: 186.638+/-110.008 χ^2/NDF:53.2/36

All: 50.835+/-80.837 χ^2/NDF: 90.0/71



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 478.157+/-0.094 χ^2/NDF:3700422.3/18

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 493.959+/-0.095 χ^2/NDF:3727004.2/18

Left: 485.994+/-0.067 χ^2/NDF: 7441440.0/37

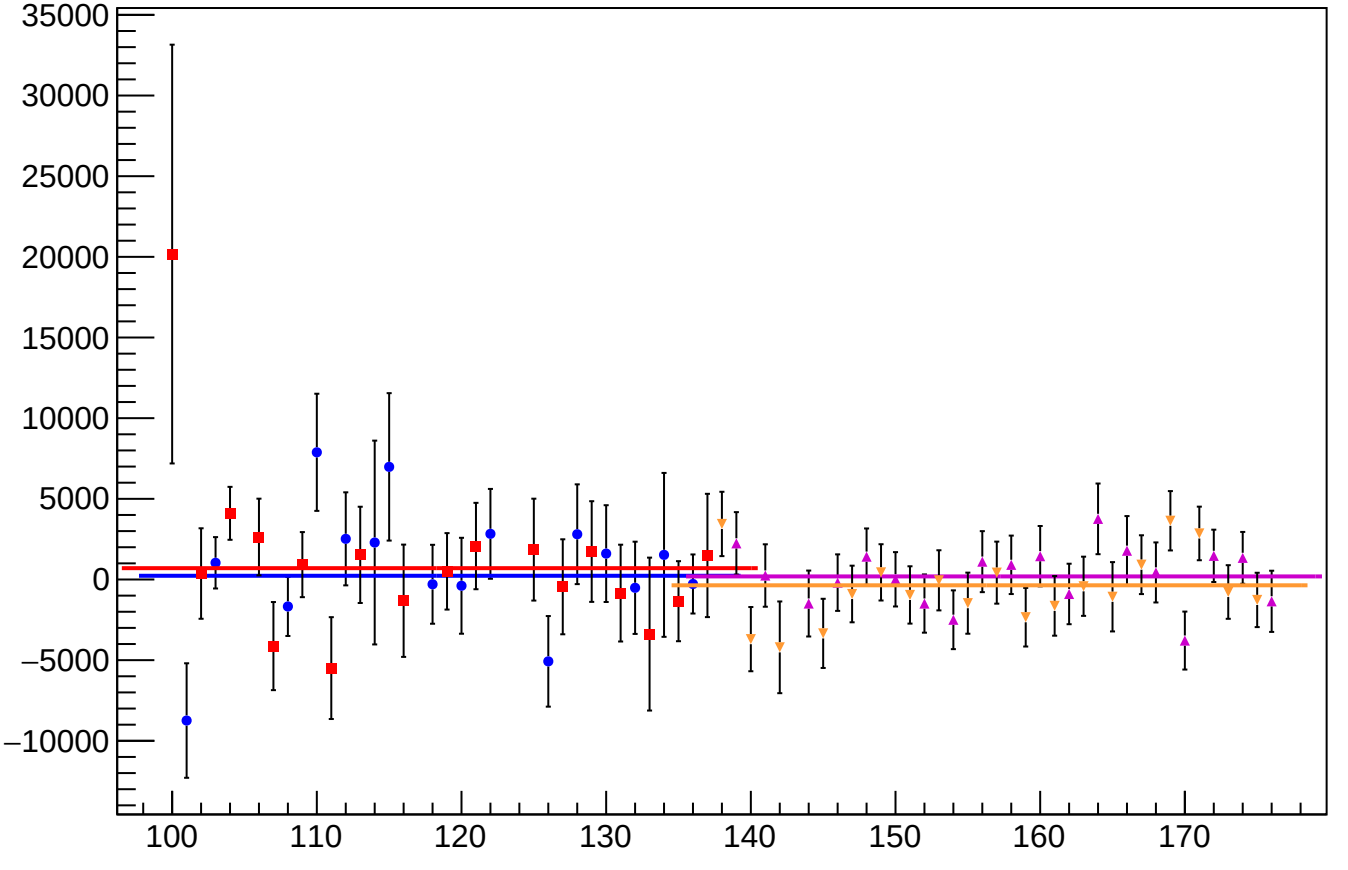
Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 514.214+/-0.084 χ^2/NDF:7830789.4/34

Out: 460.655+/-0.078 χ^2/NDF:8668331.9/36

All: 485.293+/-0.057 χ^2/NDF: 16717207.5/71

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -360.082+/-428.937 χ^2/NDF:22.3/18

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 190.810+/-422.169 χ^2/NDF:16.5/18

Left: -80.255+/-300.883 χ^2/NDF: 39.6/37

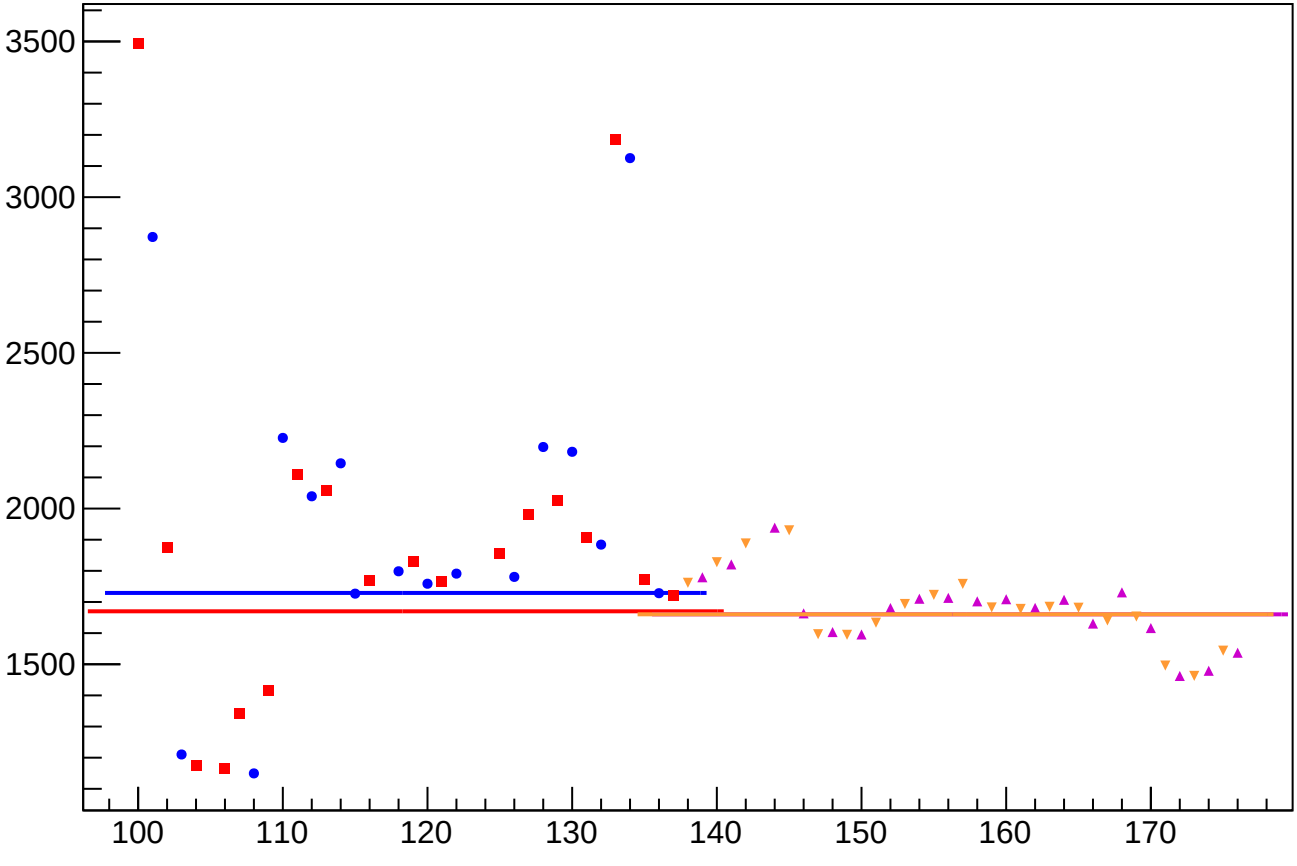
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 202.256+/-356.604 χ^2/NDF:37.2/34

Out: -36.638+/-357.729 χ^2/NDF:41.1/36

All: 83.185+/-252.554 χ^2/NDF: 78.6/71

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: 1660.408+/-0.303 χ^2/NDF:136483.5/18

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1660.326+/-0.299 χ^2/NDF:138490.1/18

Left: 1660.366+/-0.213 χ^2/NDF: 274973.7/37

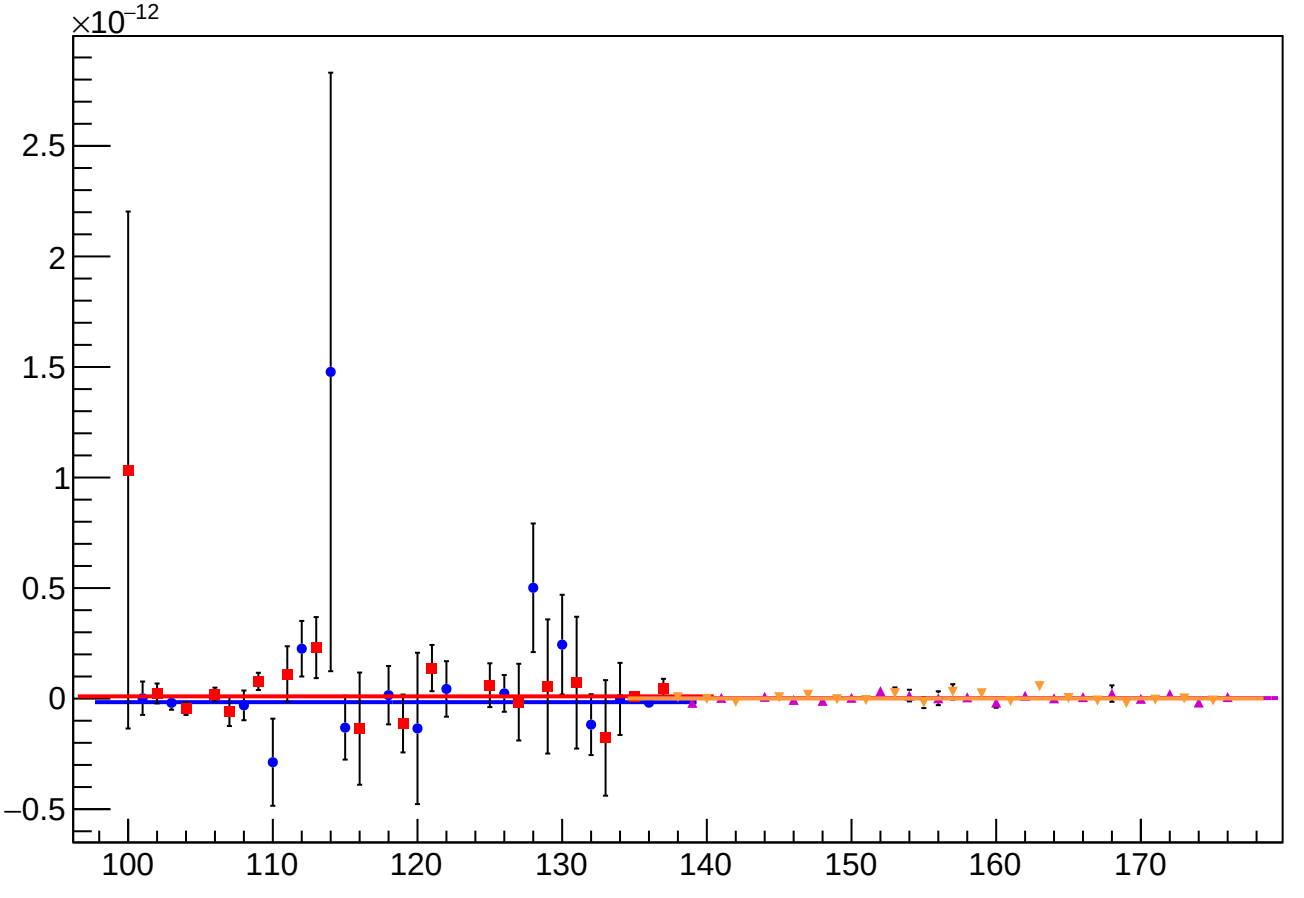
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1680.014+/-0.252 χ^2/NDF:1095753.1/34

Out: 1663.346+/-0.253 χ^2/NDF:881243.7/36

All: 1671.706+/-0.179 χ^2/NDF: 1979174.8/71

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/18

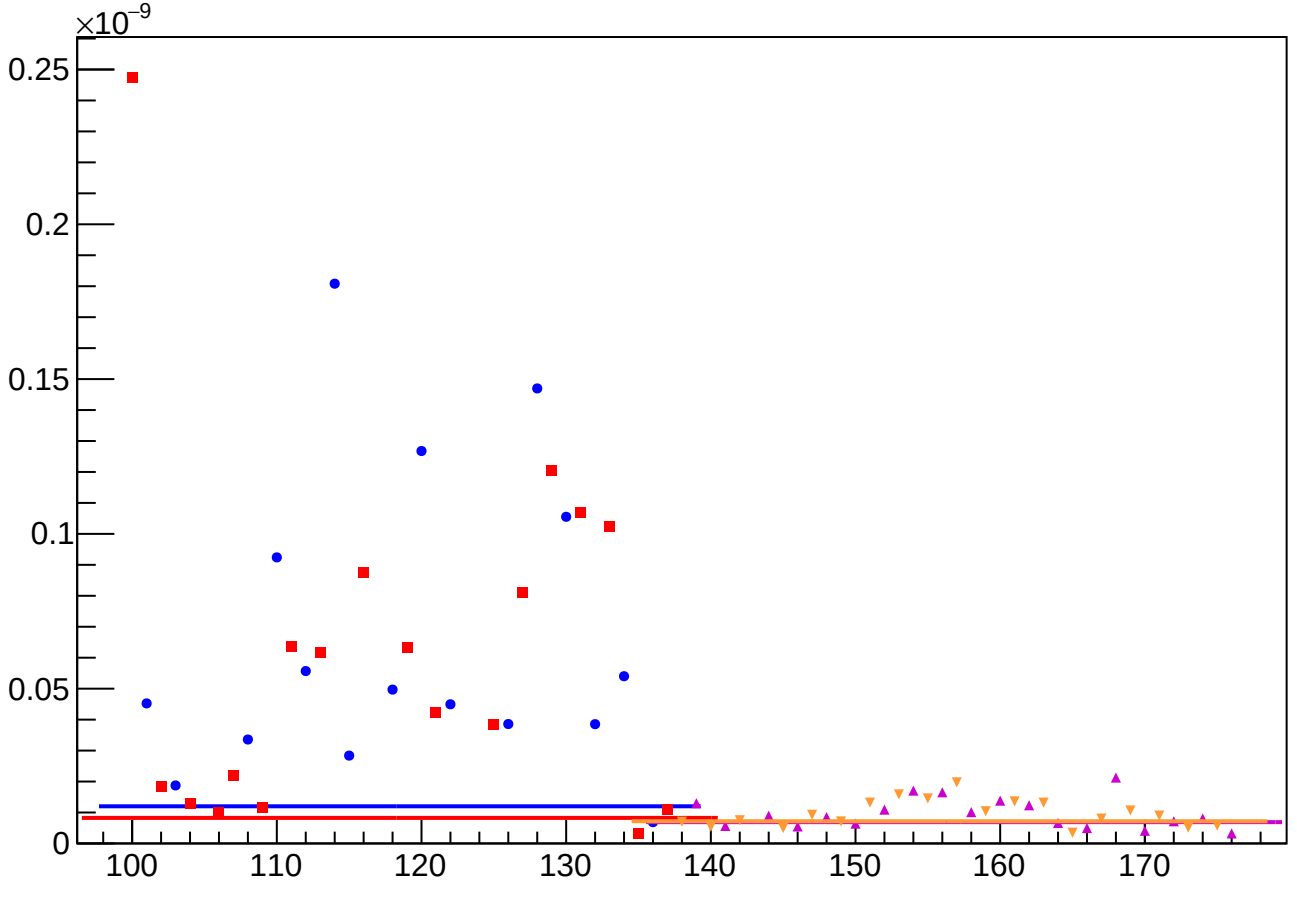
Left: 0.000+/-0.000 χ^2/NDF: 28.5/37

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:28.2/34

Out: 0.000+/-0.000 χ^2/NDF:33.9/36

All: 0.000+/-0.000 χ^2/NDF: 62.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1963825.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2269464.0/18

Left: 0.000+/-0.000 χ^2/NDF: 4241791.5/37

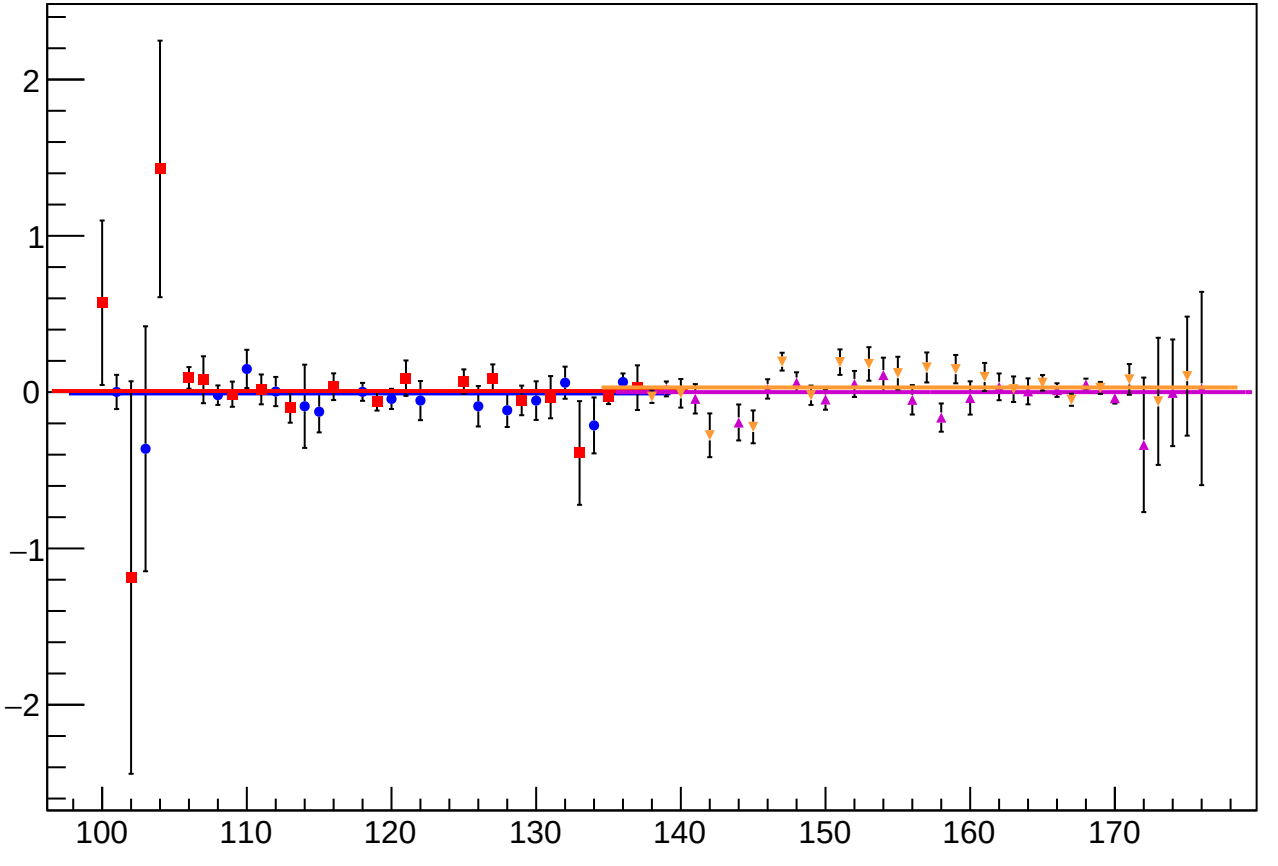
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6152923.9/34

Out: 0.000+/-0.000 χ^2/NDF:5501346.5/36

All: 0.000+/-0.000 χ^2/NDF: 11654278.8/71

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 53.0/37

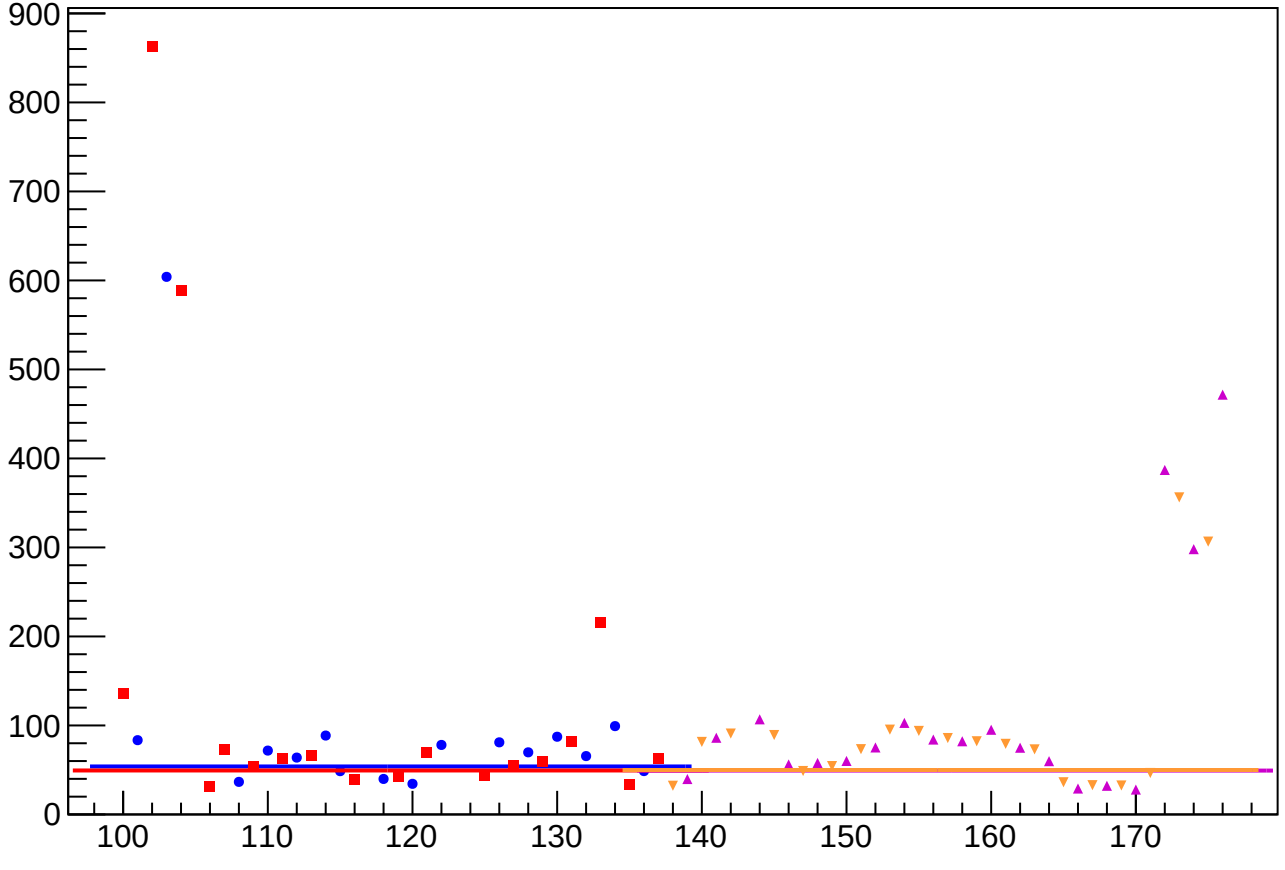
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/71

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: 49.918+/-0.011 χ^2/NDF:5878777.6/18

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

Left: 49.600+/-0.008 χ^2/NDF: 13508613.0/37

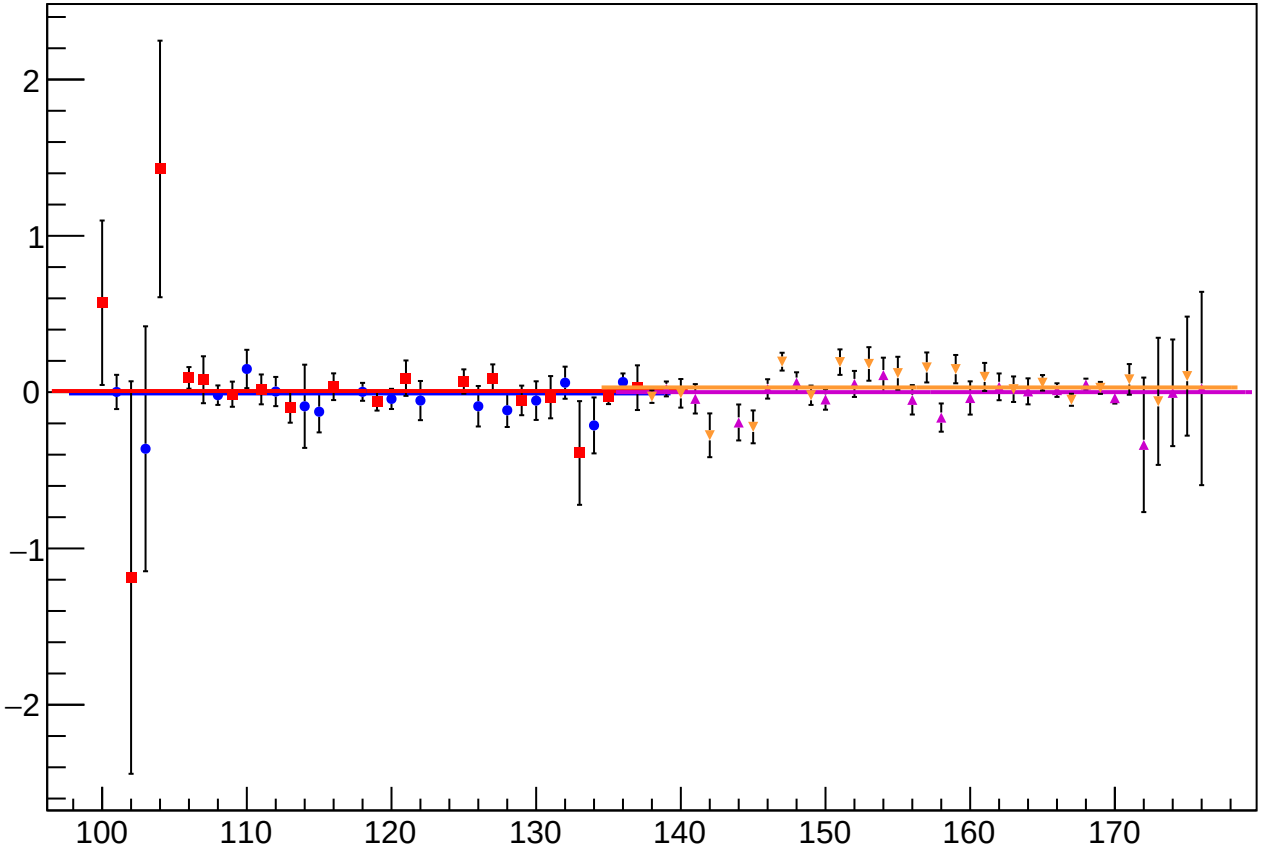
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.700+/-0.009 χ^2/NDF:9898538.2/34

Out: 49.755+/-0.009 χ^2/NDF:8897173.0/36

All: 50.226+/-0.006 χ^2/NDF: 18801225.5/71

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 53.0/37

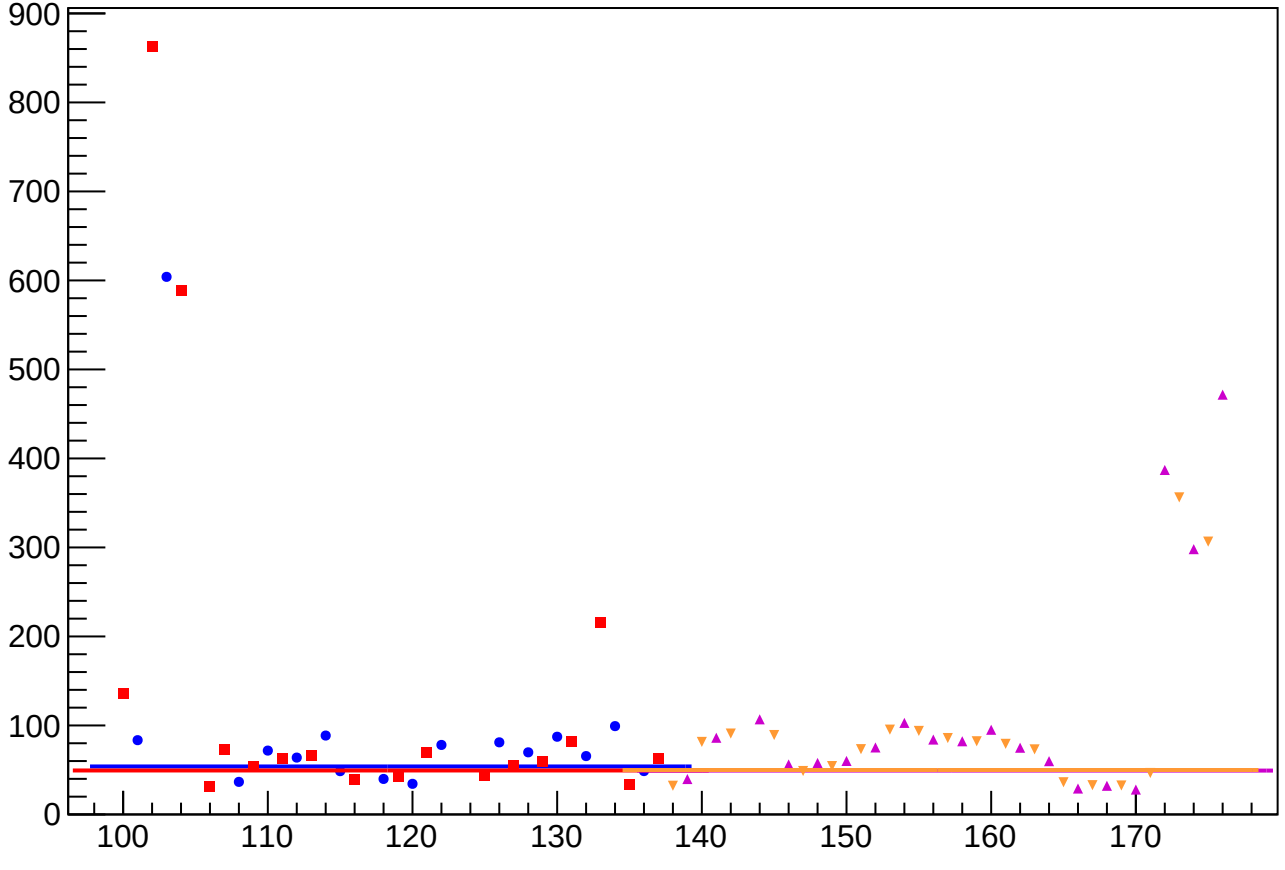
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/71

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: 49.918+/-0.011 χ^2/NDF:5878777.6/18

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

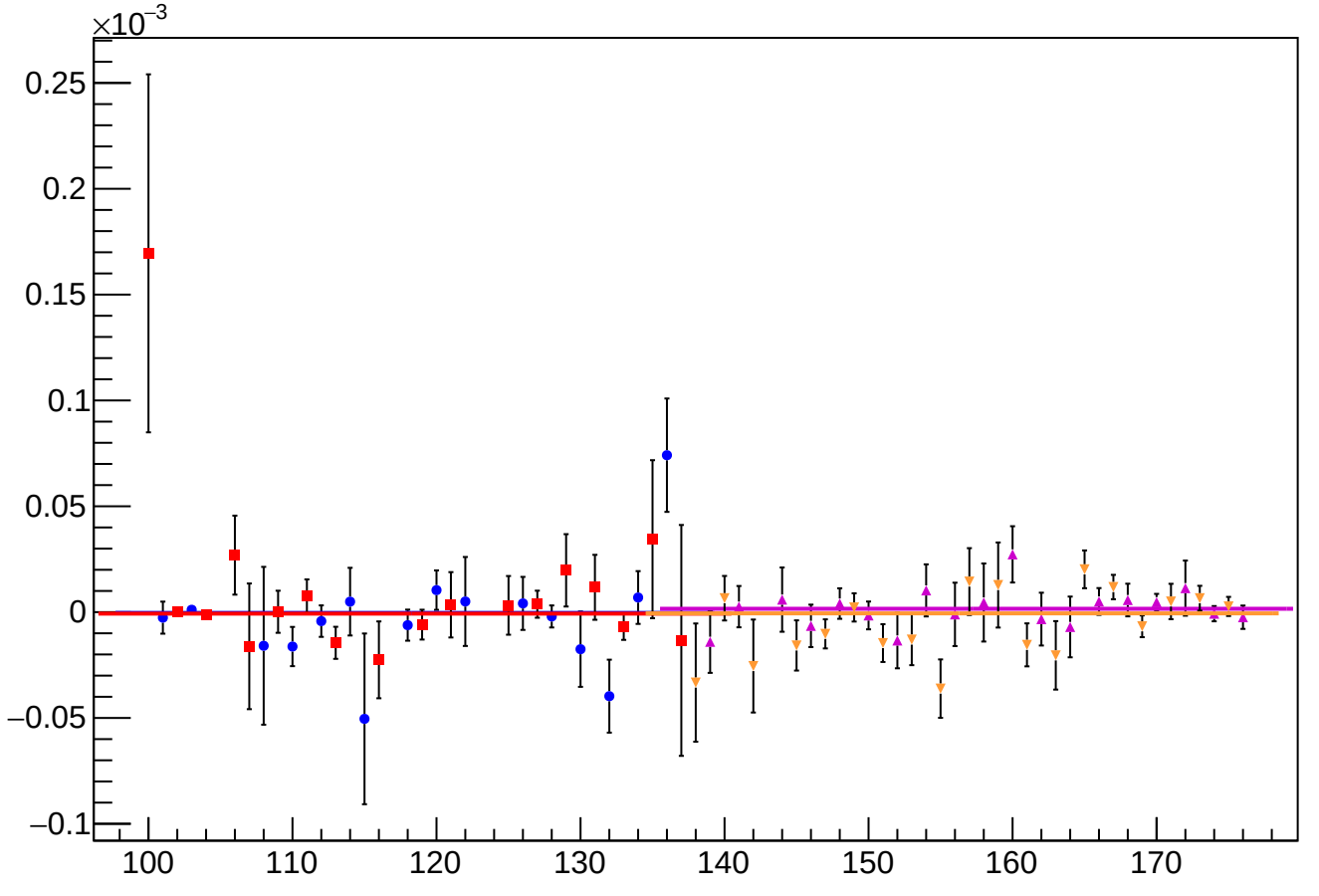
Left: 49.600+/-0.008 χ^2/NDF: 13508613.0/37

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.700+/-0.009 χ^2/NDF:9898538.2/34

Out: 49.755+/-0.009 χ^2/NDF:8897173.0/36

All: 50.226+/-0.006 χ^2/NDF: 18801225.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

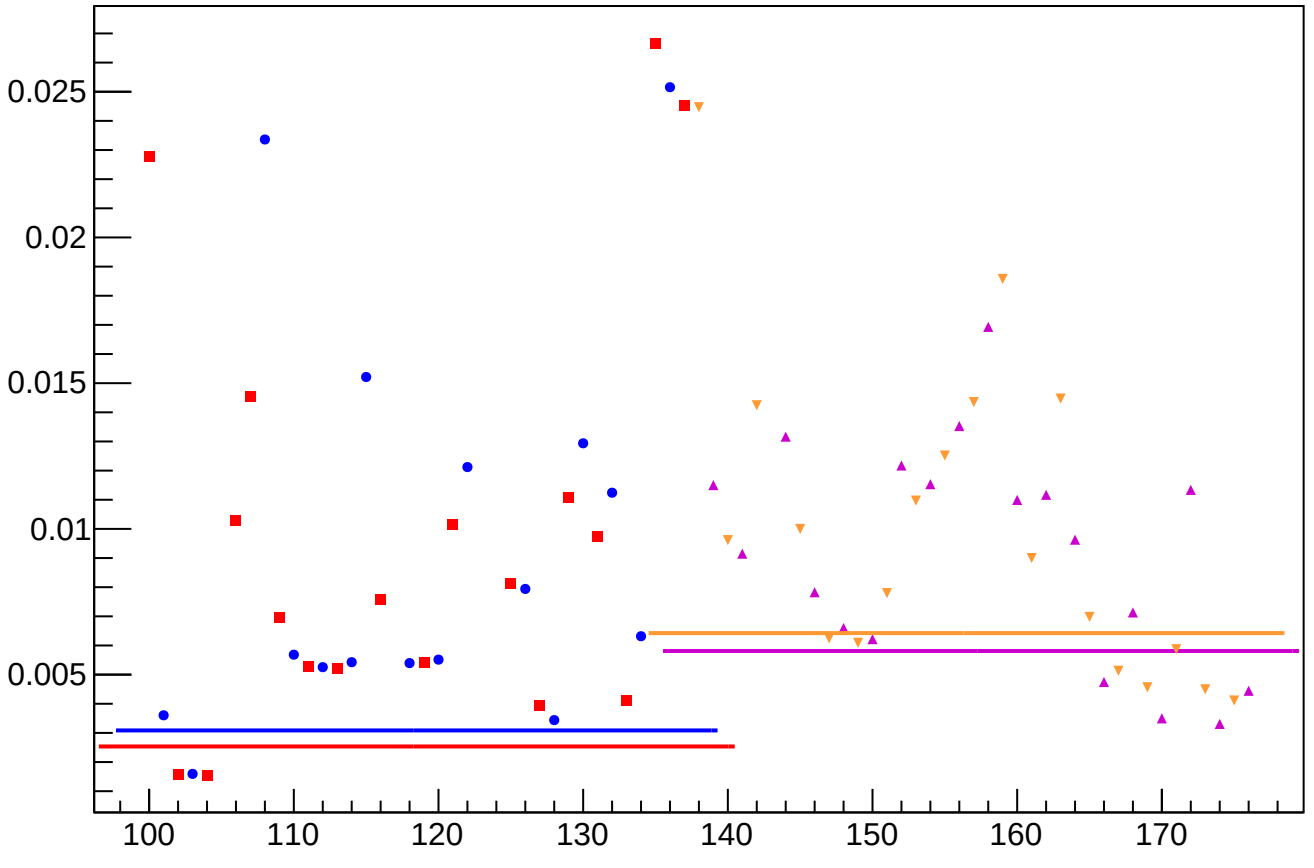
Left: 0.000+/-0.000 χ^2/NDF: 47.9/37

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:53.9/36

All: -0.000+/-0.000 χ^2/NDF: 88.4/71



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5161692.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6361457.2/18

Left: 0.006+/-0.000 χ^2/NDF: 11638035.7/37

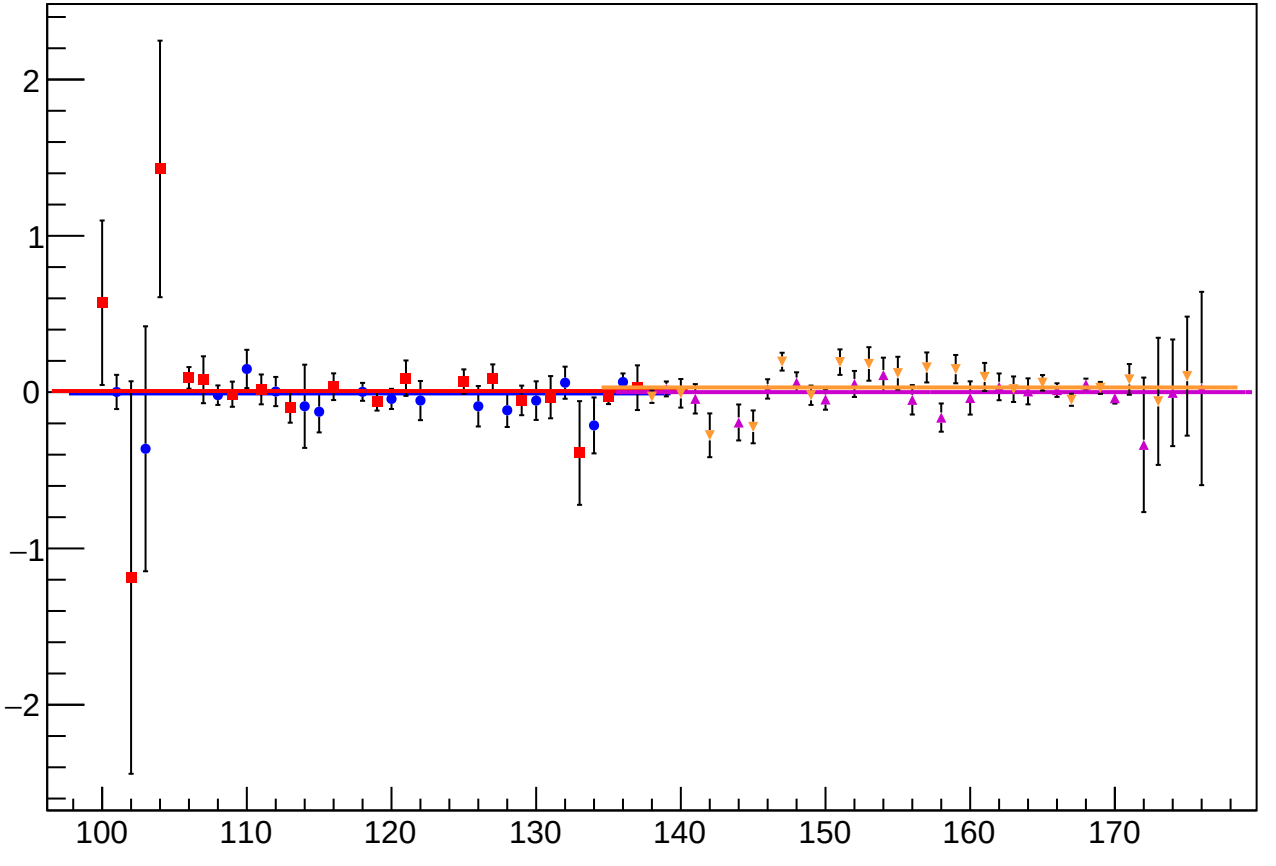
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14776952.3/34

Out: 0.004+/-0.000 χ^2/NDF:17255402.9/36

All: 0.004+/-0.000 χ^2/NDF: 32326988.2/71

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 53.0/37

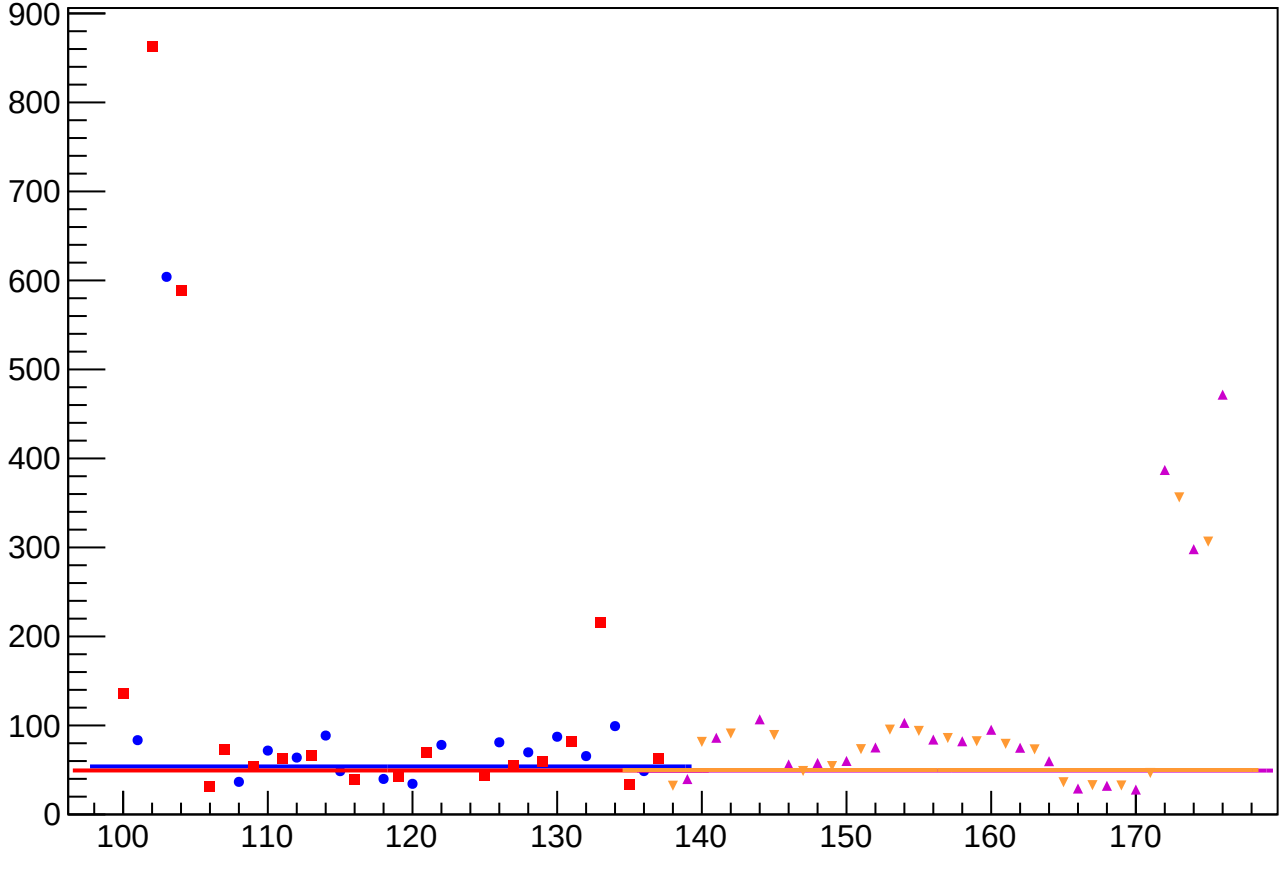
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/71

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: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

Left: 49.601+/-0.008 χ^2/NDF: 13507776.8/37

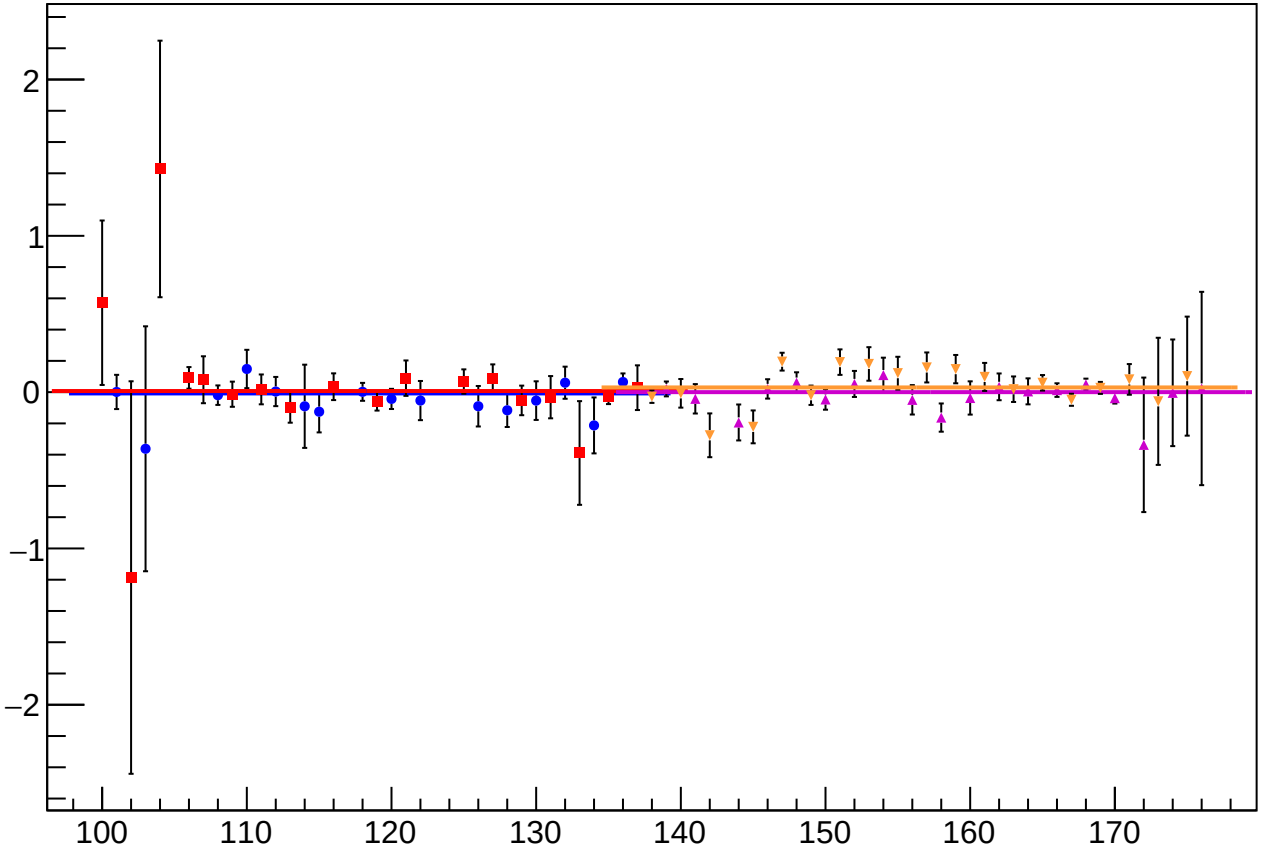
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.701+/-0.009 χ^2/NDF:9898153.9/34

Out: 49.757+/-0.009 χ^2/NDF:8896108.6/36

All: 50.228+/-0.006 χ^2/NDF: 18799761.2/71

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:37.5/18

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 53.0/37

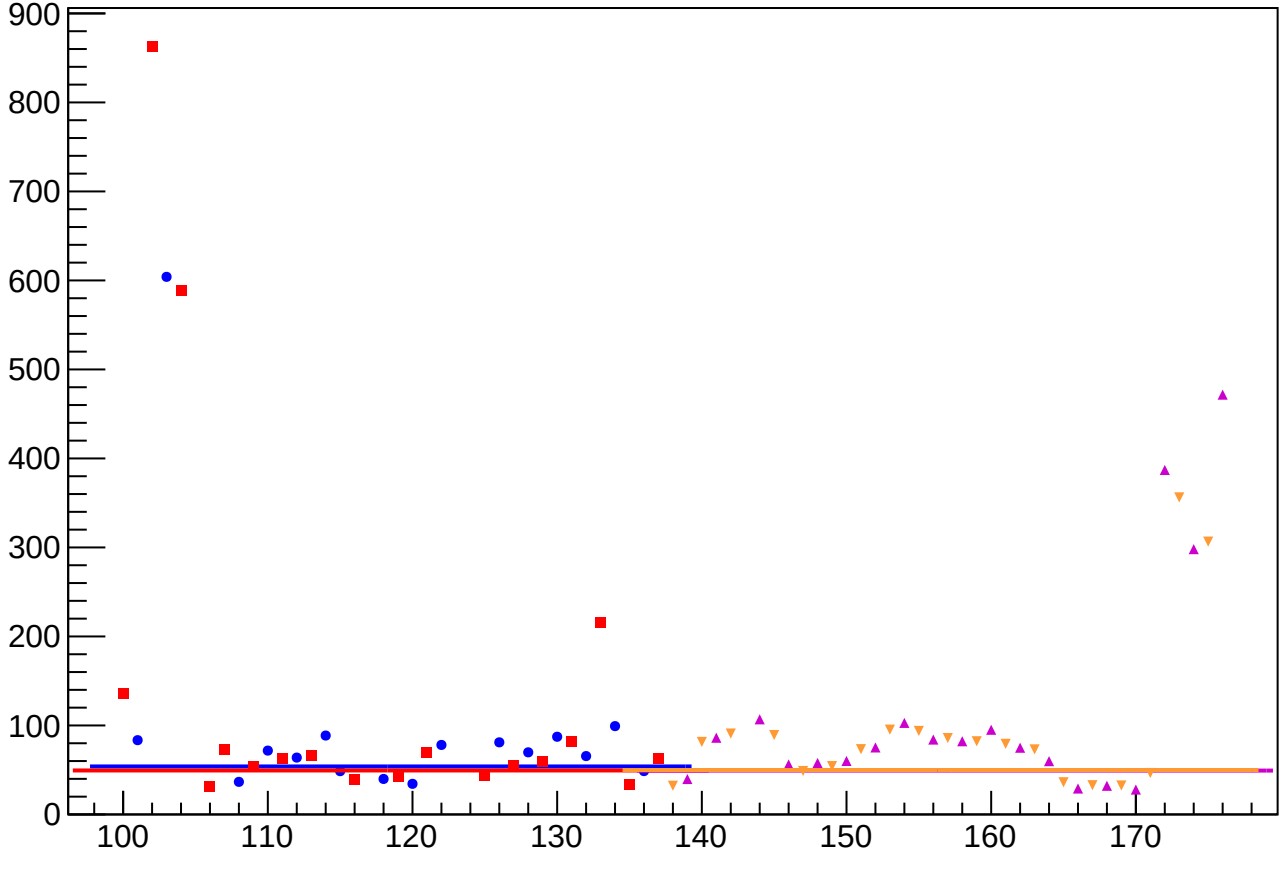
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.023+/-0.013 χ^2/NDF:51.9/36

All: 0.010+/-0.009 χ^2/NDF: 75.8/71

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: 49.920+/-0.011 χ^2/NDF:5877991.4/18

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

Left: 49.601+/-0.008 χ^2/NDF: 13507776.8/37

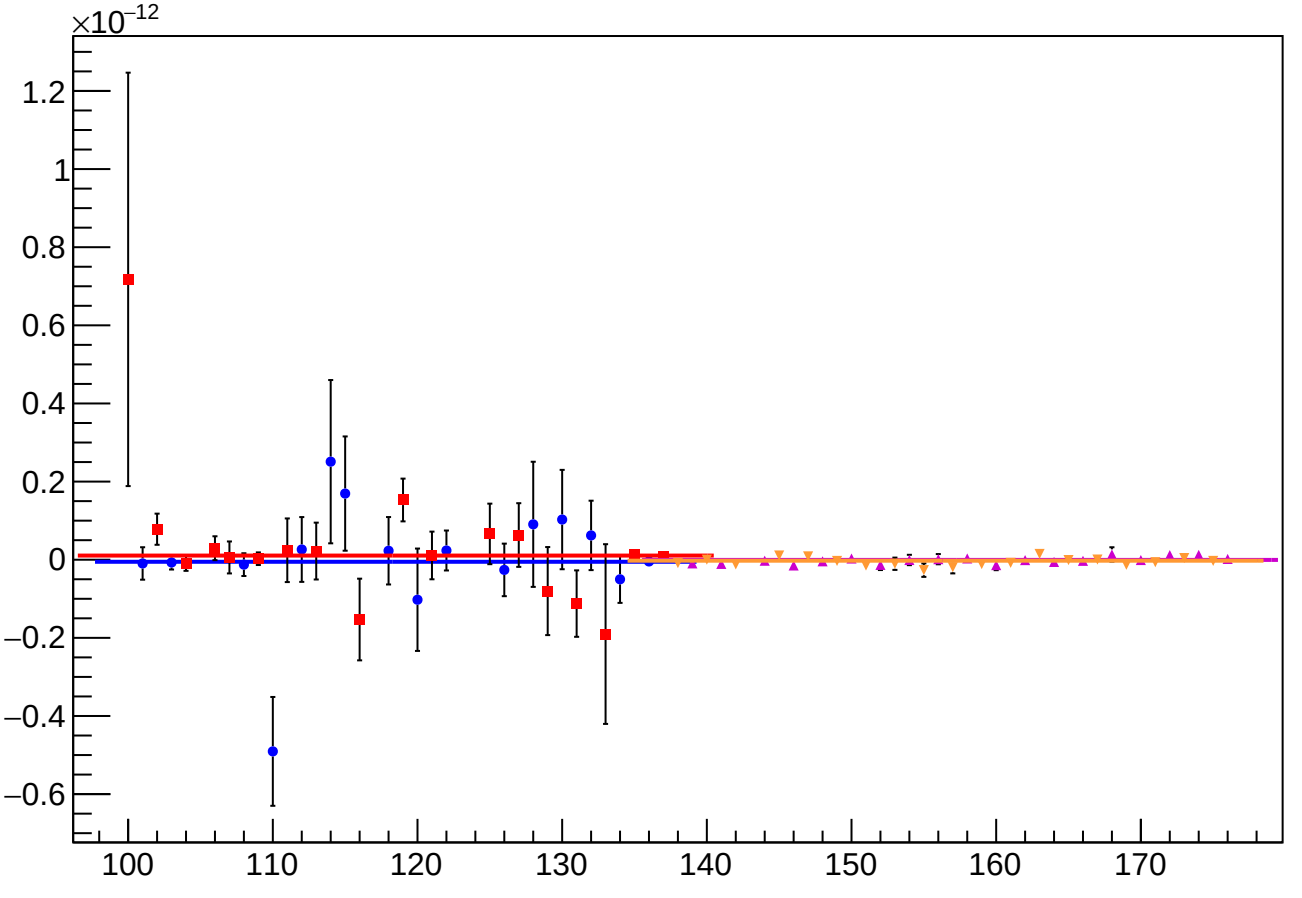
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.701+/-0.009 χ^2/NDF:9898153.9/34

Out: 49.757+/-0.009 χ^2/NDF:8896108.6/36

All: 50.228+/-0.006 χ^2/NDF: 18799761.2/71

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

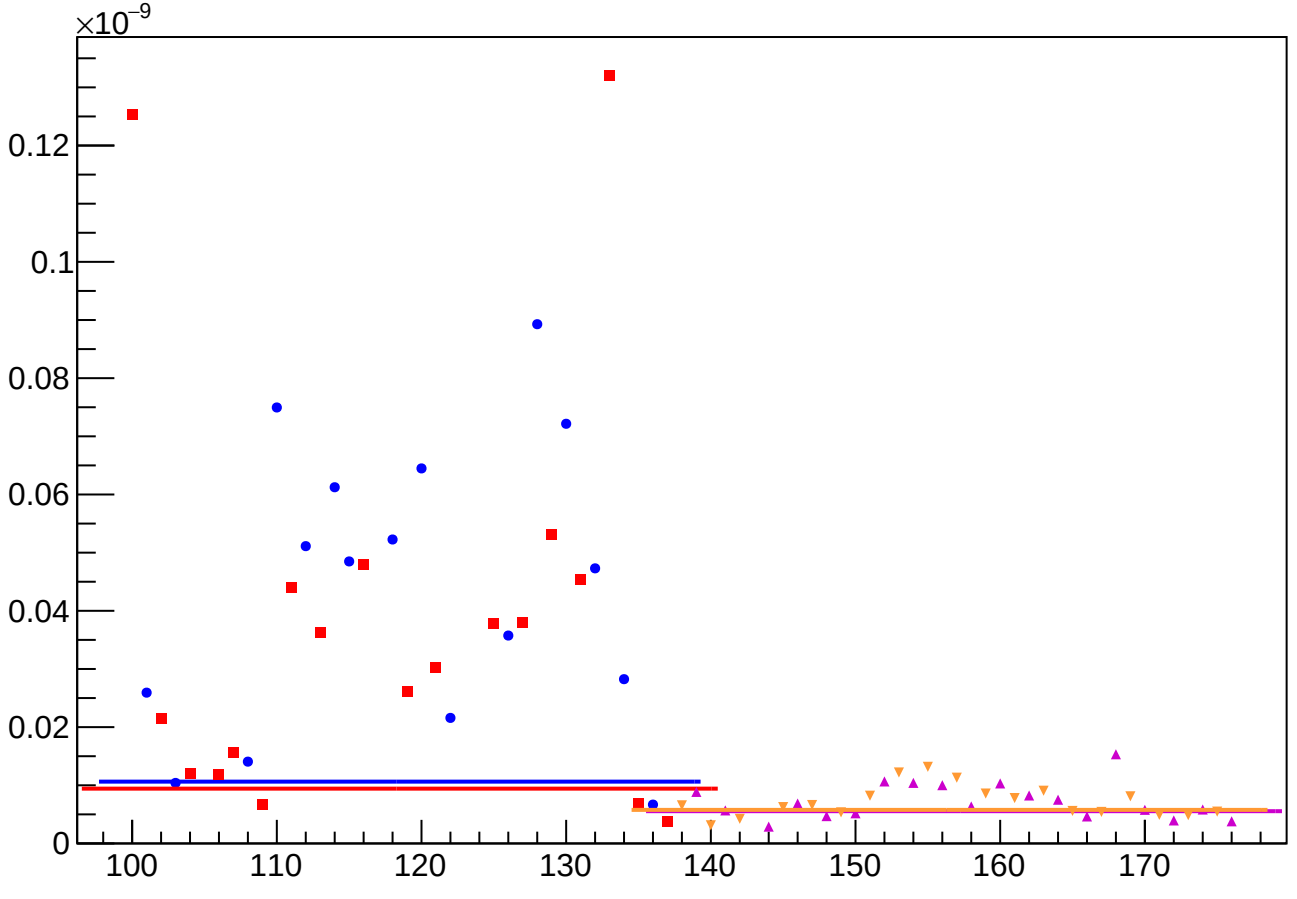
Left: -0.000+/-0.000 χ^2/NDF: 34.4/37

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:36.1/34

Out: -0.000+/-0.000 χ^2/NDF:40.7/36

All: -0.000+/-0.000 χ^2/NDF: 76.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2390593.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:3037985.5/18

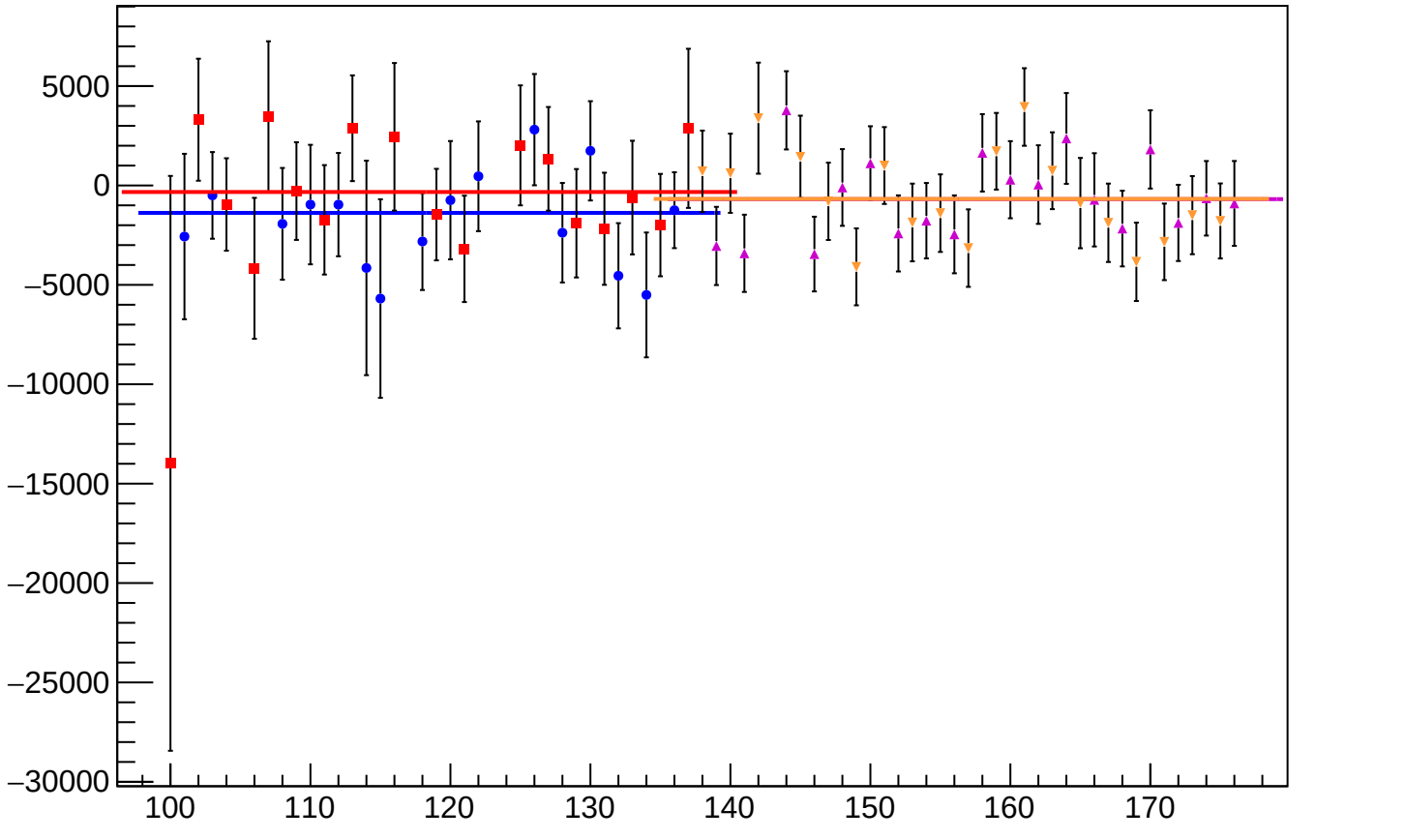
Left: 0.000+/-0.000 χ^2/NDF: 5442509.7/37

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8624566.7/34

Out: 0.000+/-0.000 χ^2/NDF:7008371.6/36

All: 0.000+/-0.000 χ^2/NDF: 15642017.1/71



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.924+/-458.509 χ^2/NDF:22.5/18

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -687.637+/-451.694 χ^2/NDF:19.9/18

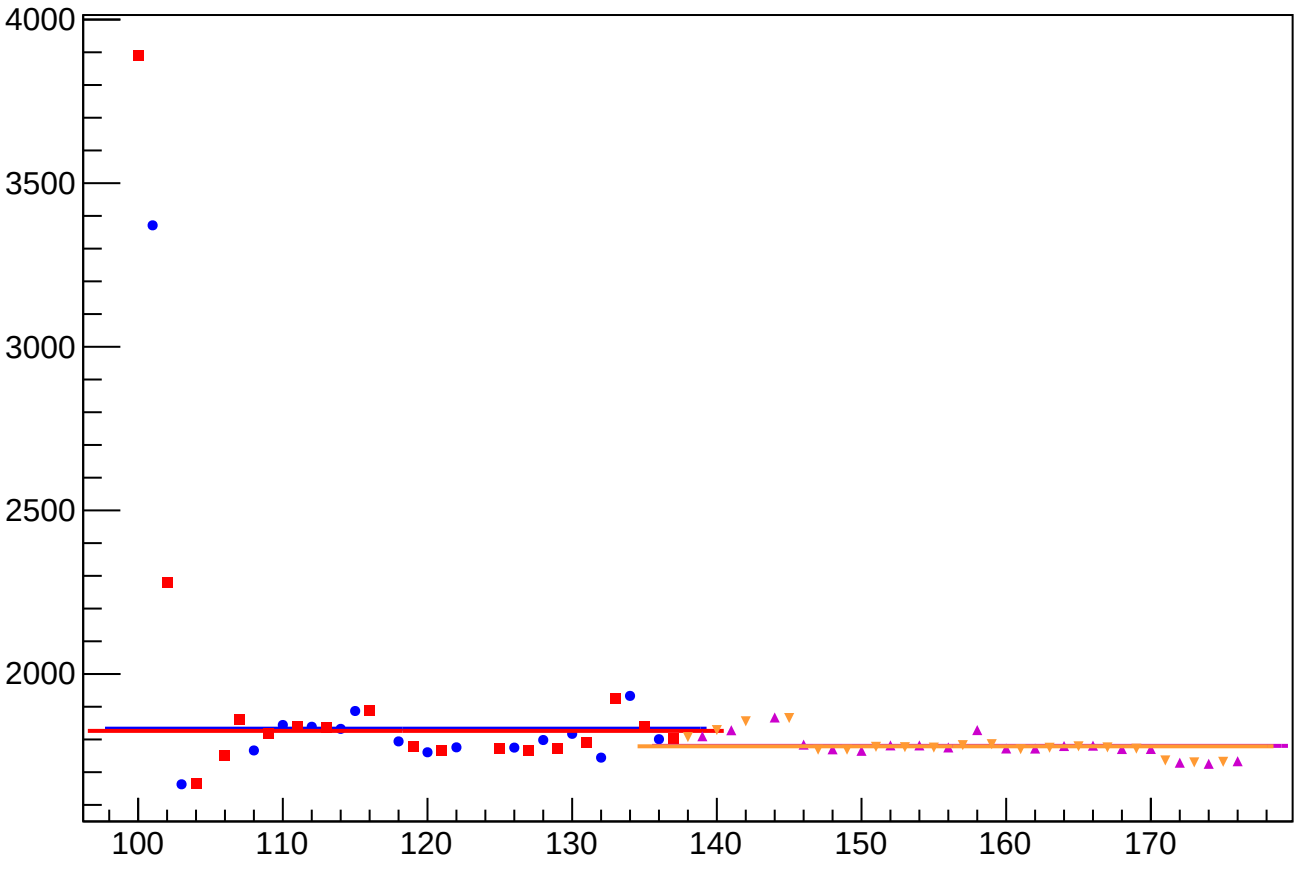
Left: -682.361+/-321.778 χ^2/NDF: 42.4/37

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -895.371+/-377.759 χ^2/NDF:29.9/34

Out: -568.960+/-380.837 χ^2/NDF:33.7/36

All: -733.490+/-268.198 χ^2/NDF: 64.0/71



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

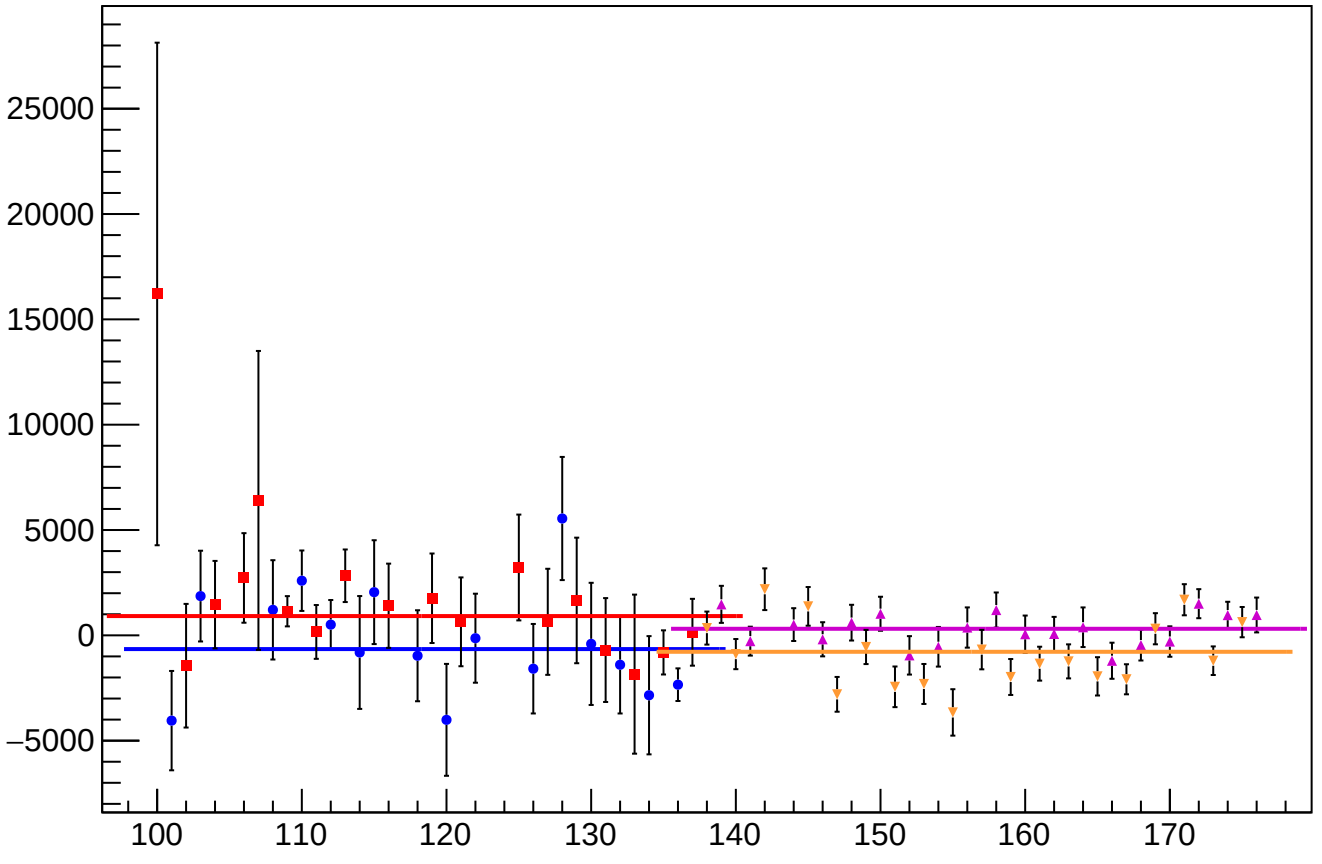
Left: 1779.759+/-0.228 χ^2/NDF: 21626.8/37

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1796.200+/-0.267 χ^2/NDF:314839.5/34

Out: 1793.701+/-0.269 χ^2/NDF:119907.8/36

All: 1794.961+/-0.190 χ^2/NDF: 434790.7/71



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -780.531+/-187.916 χ^2/NDF:60.4/18

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 311.296+/-184.061 χ^2/NDF:17.5/18

Left: -223.302+/-131.493 χ^2/NDF: 95.2/37

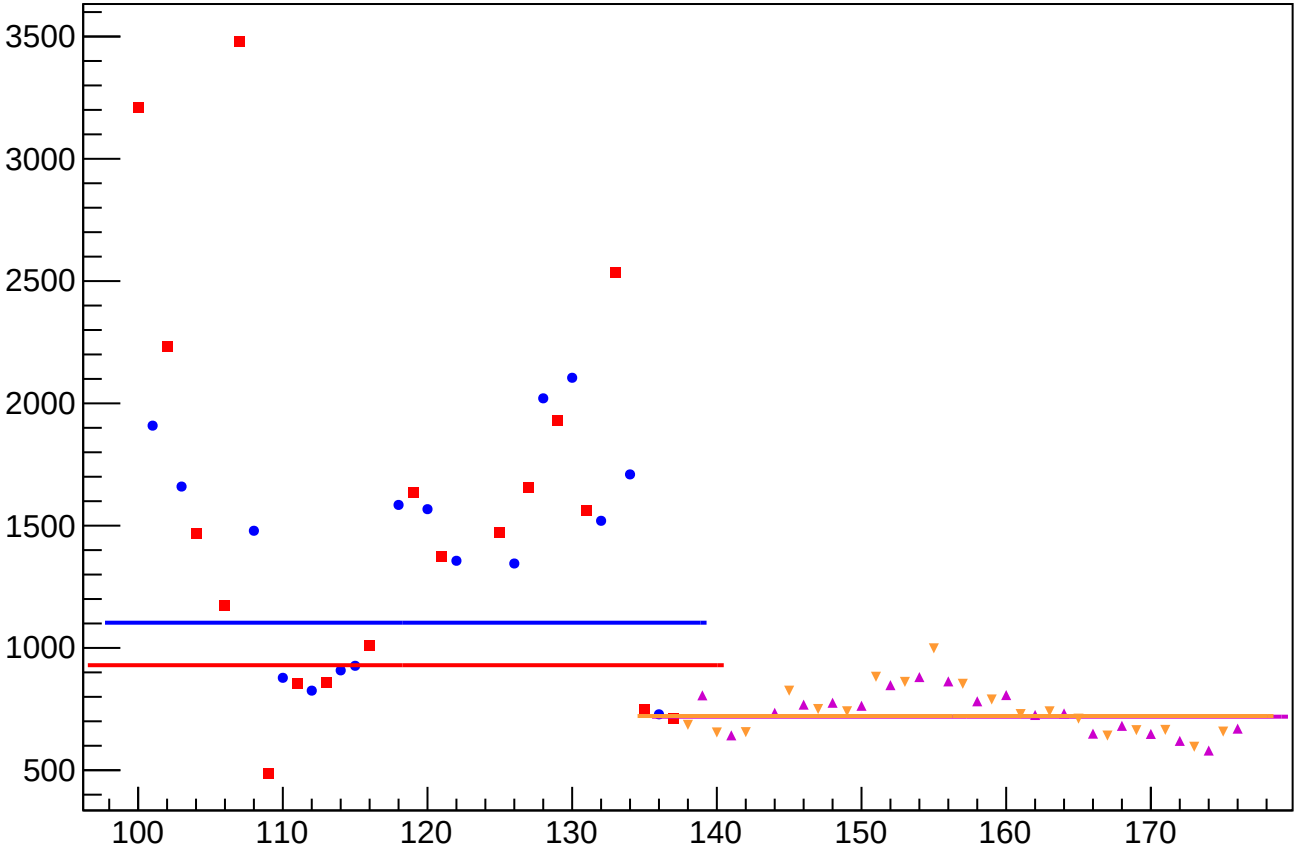
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 169.018+/-169.924 χ^2/NDF:44.8/34

Out: -465.614+/-169.566 χ^2/NDF:87.1/36

All: -148.967+/-120.028 χ^2/NDF: 138.8/71

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 721.576+/-0.133 χ^2/NDF:471803.4/18

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 718.912+/-0.130 χ^2/NDF:426161.0/18

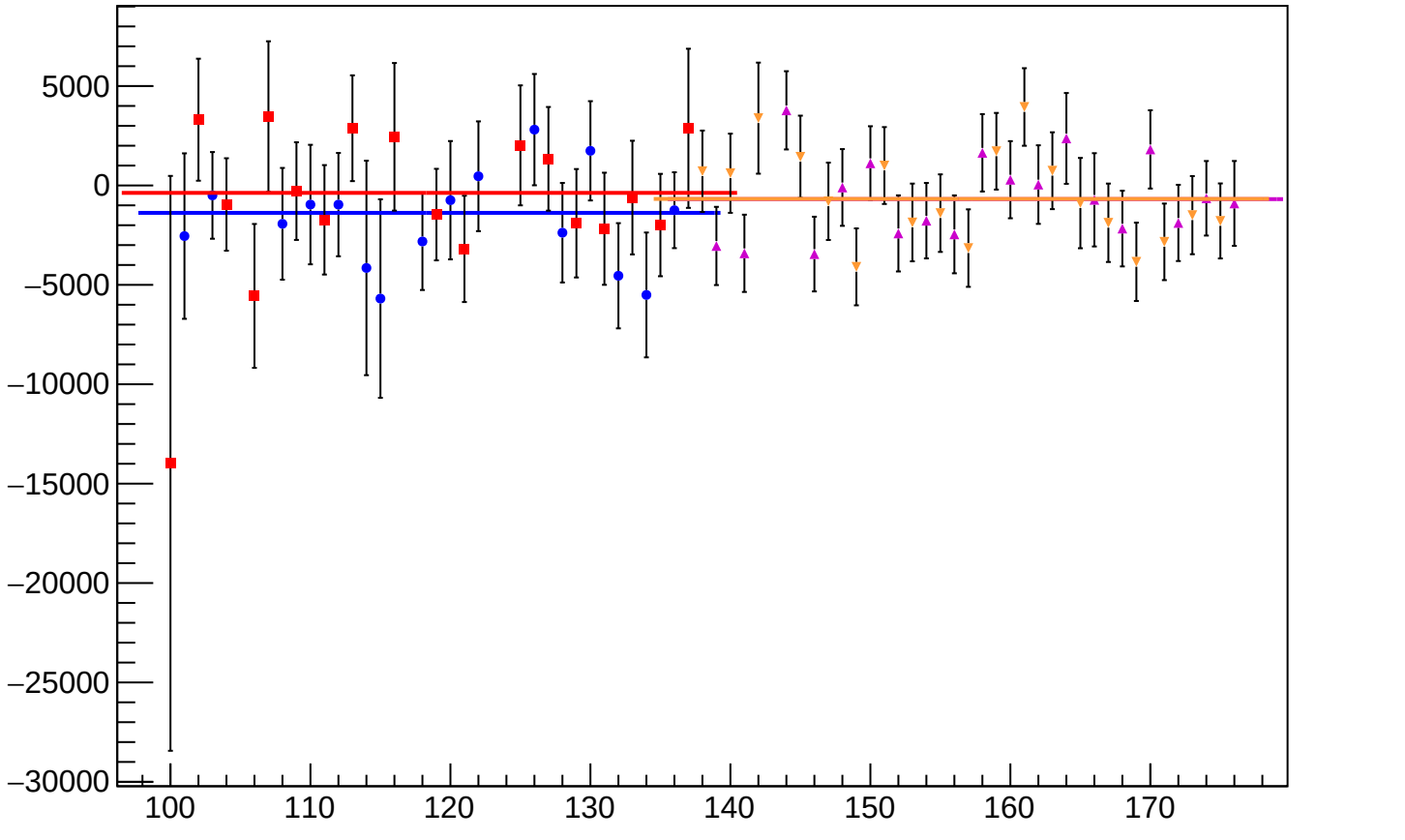
Left: 720.217+/-0.093 χ^2/NDF: 898169.6/37

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 775.672+/-0.120 χ^2/NDF:3591947.0/34

Out: 760.175+/-0.120 χ^2/NDF:3980121.8/36

All: 767.907+/-0.085 χ^2/NDF: 7580404.1/71



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -687.542+/-451.694 χ^2/NDF:19.9/18

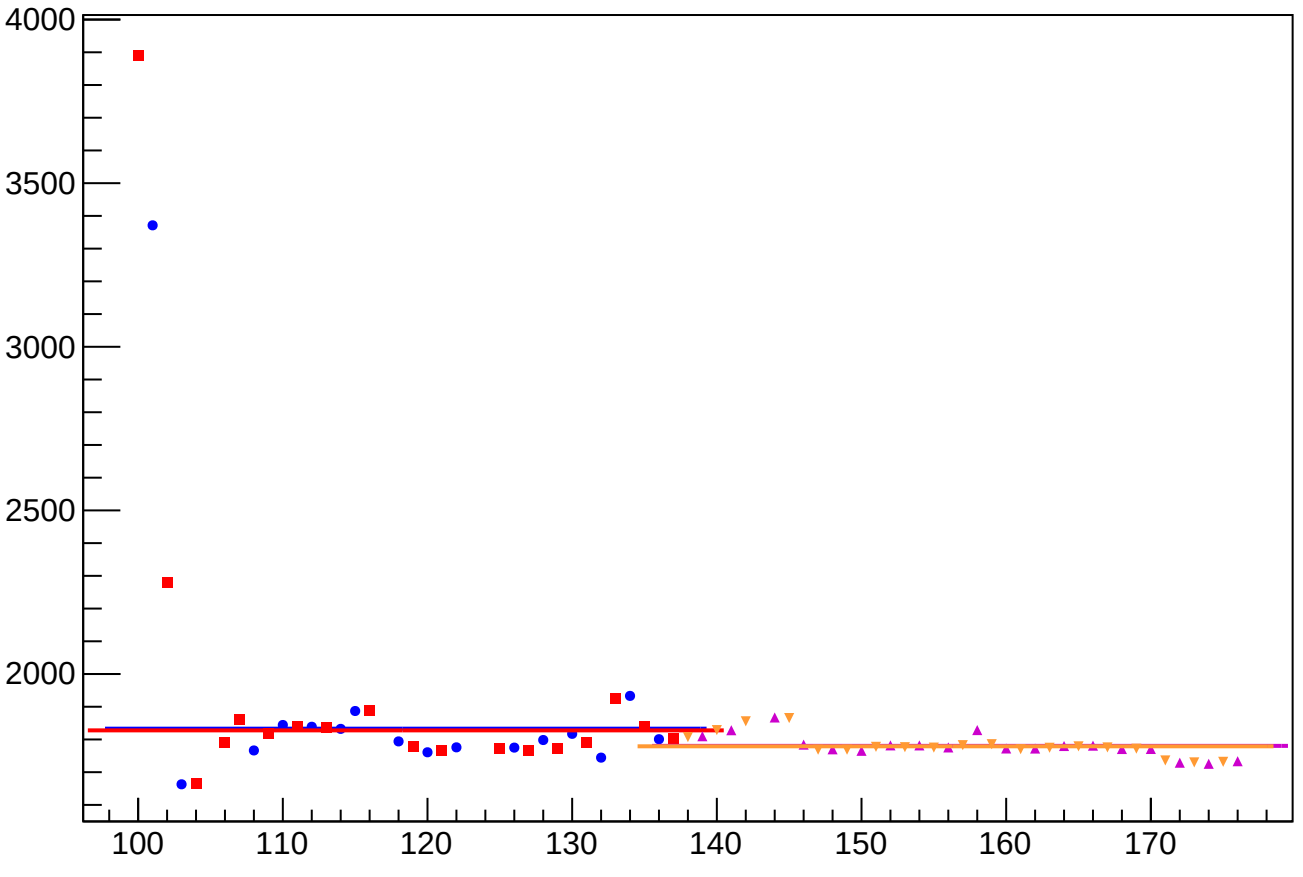
Left: -682.275+/-321.778 χ^2/NDF: 42.4/37

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -895.117+/-377.759 χ^2/NDF:29.9/34

Out: -582.577+/-380.927 χ^2/NDF:34.6/36

All: -740.152+/-268.229 χ^2/NDF: 64.8/71



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

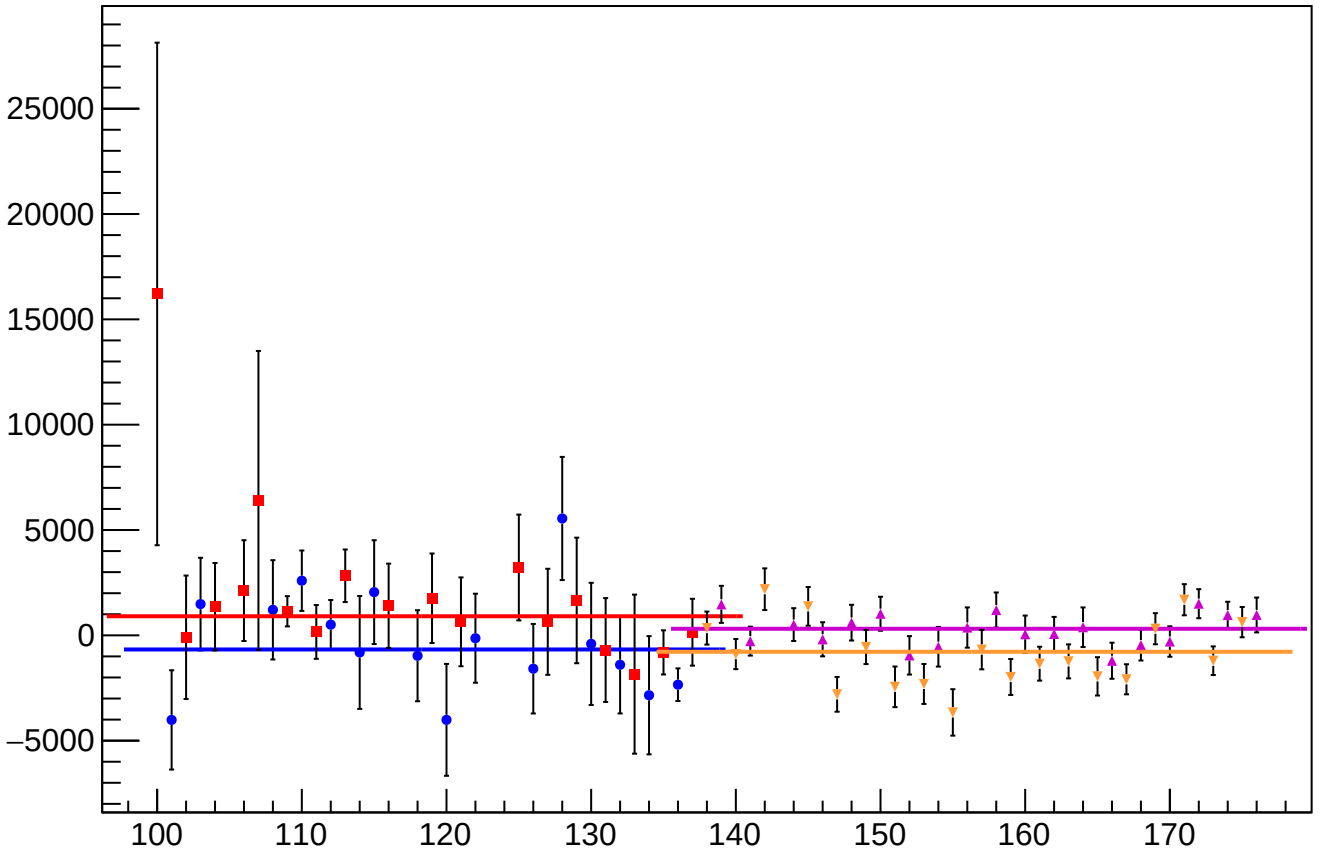
Left: 1779.759+/-0.228 χ^2/NDF: 21626.8/37

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1796.200+/-0.267 χ^2/NDF:314841.3/34

Out: 1794.175+/-0.269 χ^2/NDF:119609.9/36

All: 1795.196+/-0.190 χ^2/NDF: 434479.8/71



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 311.248+/-184.062 χ^2/NDF:17.5/18

Left: -223.335+/-131.494 χ^2/NDF: 95.2/37

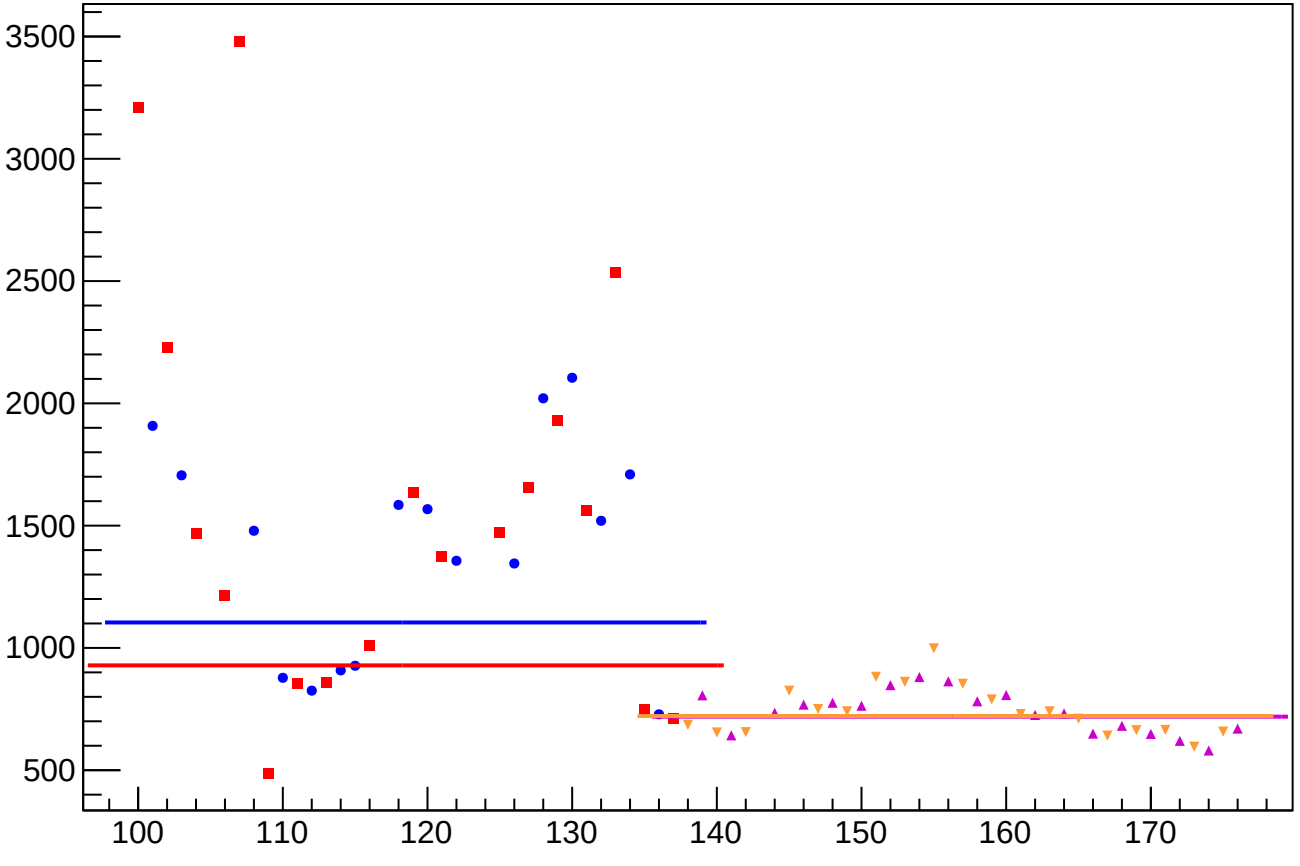
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 166.436+/-169.946 χ^2/NDF:44.5/34

Out: -469.068+/-169.678 χ^2/NDF:85.8/36

All: -151.817+/-120.075 χ^2/NDF: 137.3/71

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

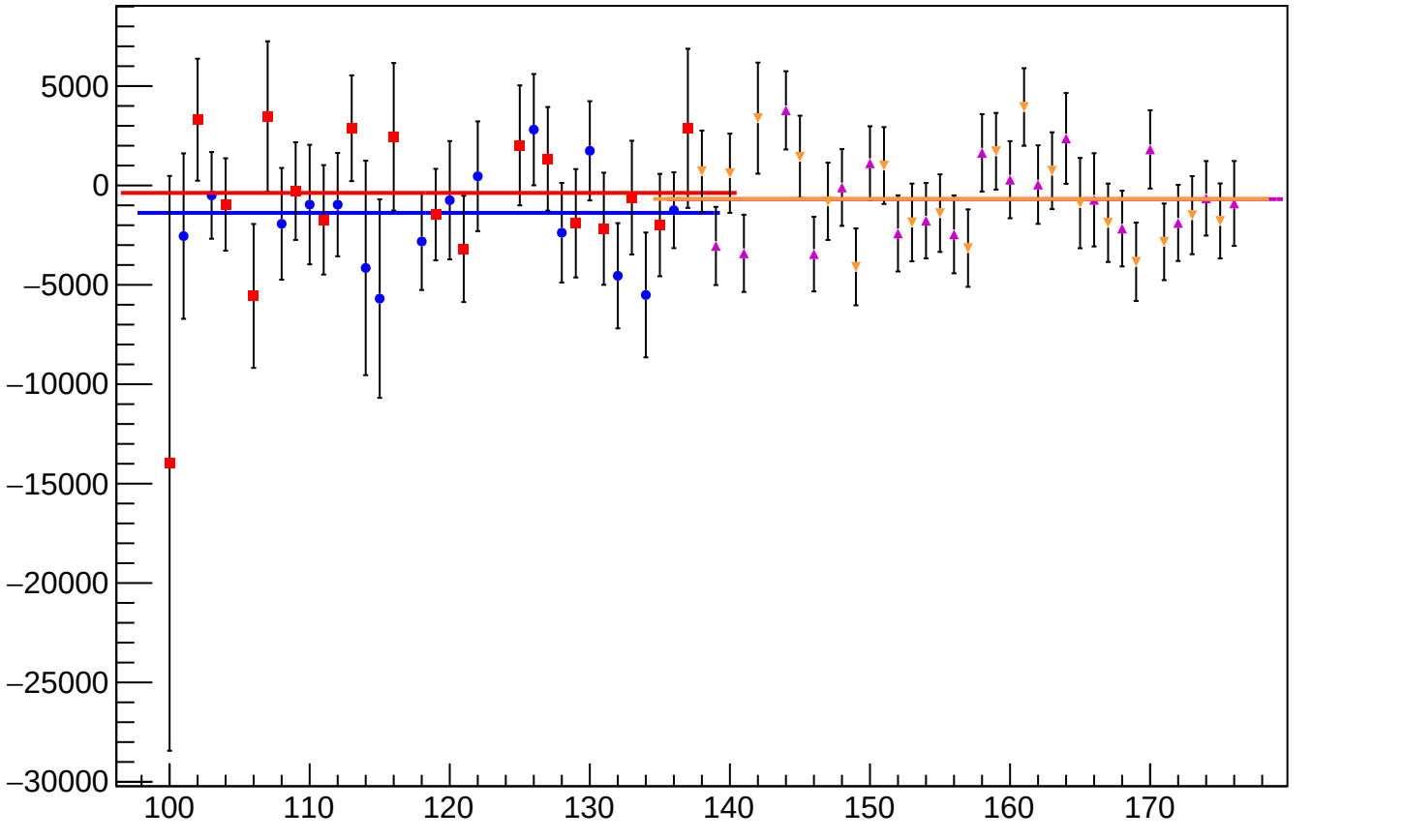
Left: 720.222+/-0.093 χ^2/NDF: 898144.8/37

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 775.731+/-0.120 χ^2/NDF:3612571.5/34

Out: 759.825+/-0.120 χ^2/NDF:3974560.8/36

All: 767.765+/-0.085 χ^2/NDF: 7595905.8/71



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -676.848+/-458.509 χ^2/NDF:22.5/18

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -687.542+/-451.694 χ^2/NDF:19.9/18

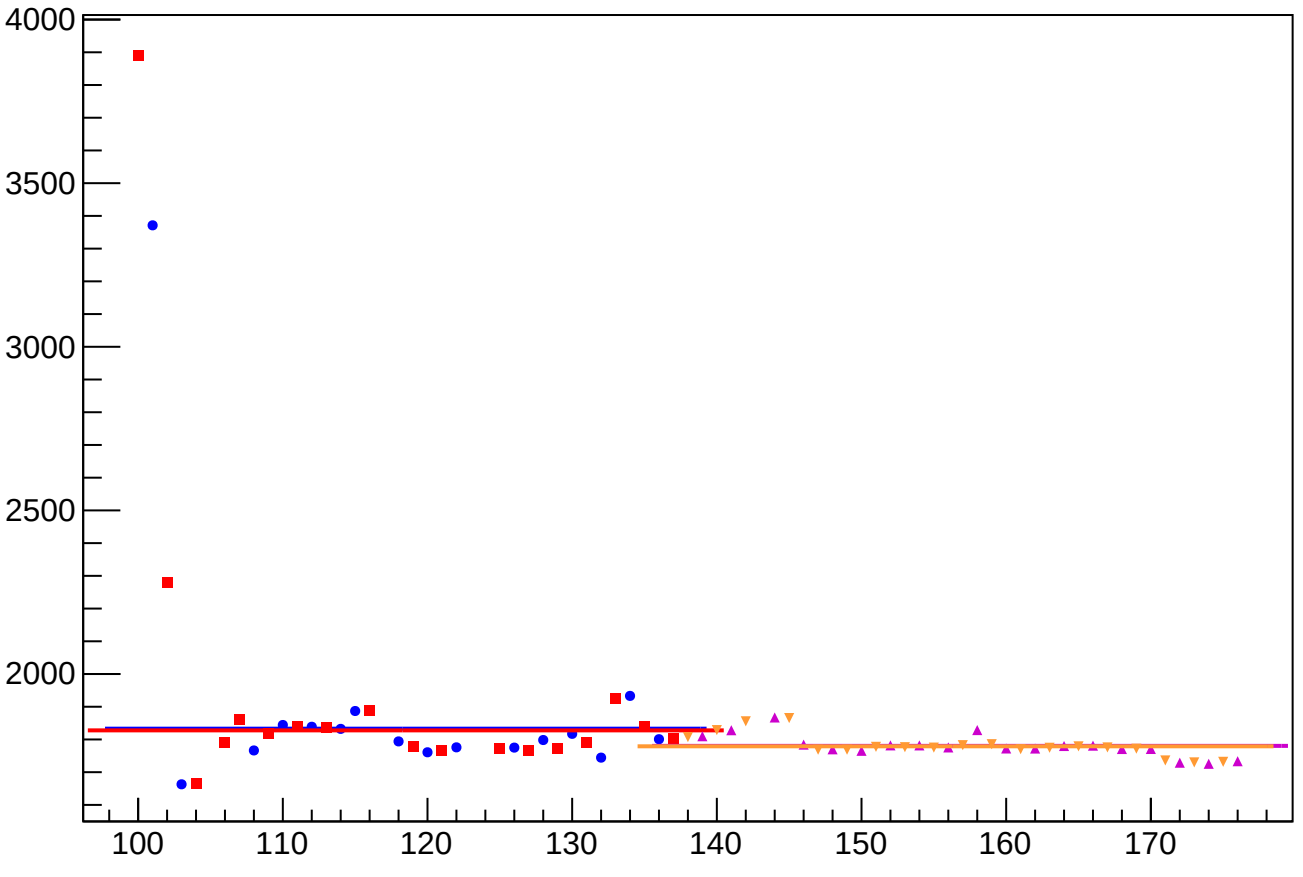
Left: -682.275+/-321.778 χ^2/NDF: 42.4/37

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -895.117+/-377.759 χ^2/NDF:29.9/34

Out: -582.577+/-380.927 χ^2/NDF:34.6/36

All: -740.152+/-268.229 χ^2/NDF: 64.8/71



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1779.090+/-0.324 χ^2/NDF:10351.5/18

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

Left: 1779.759+/-0.228 χ^2/NDF: 21626.8/37

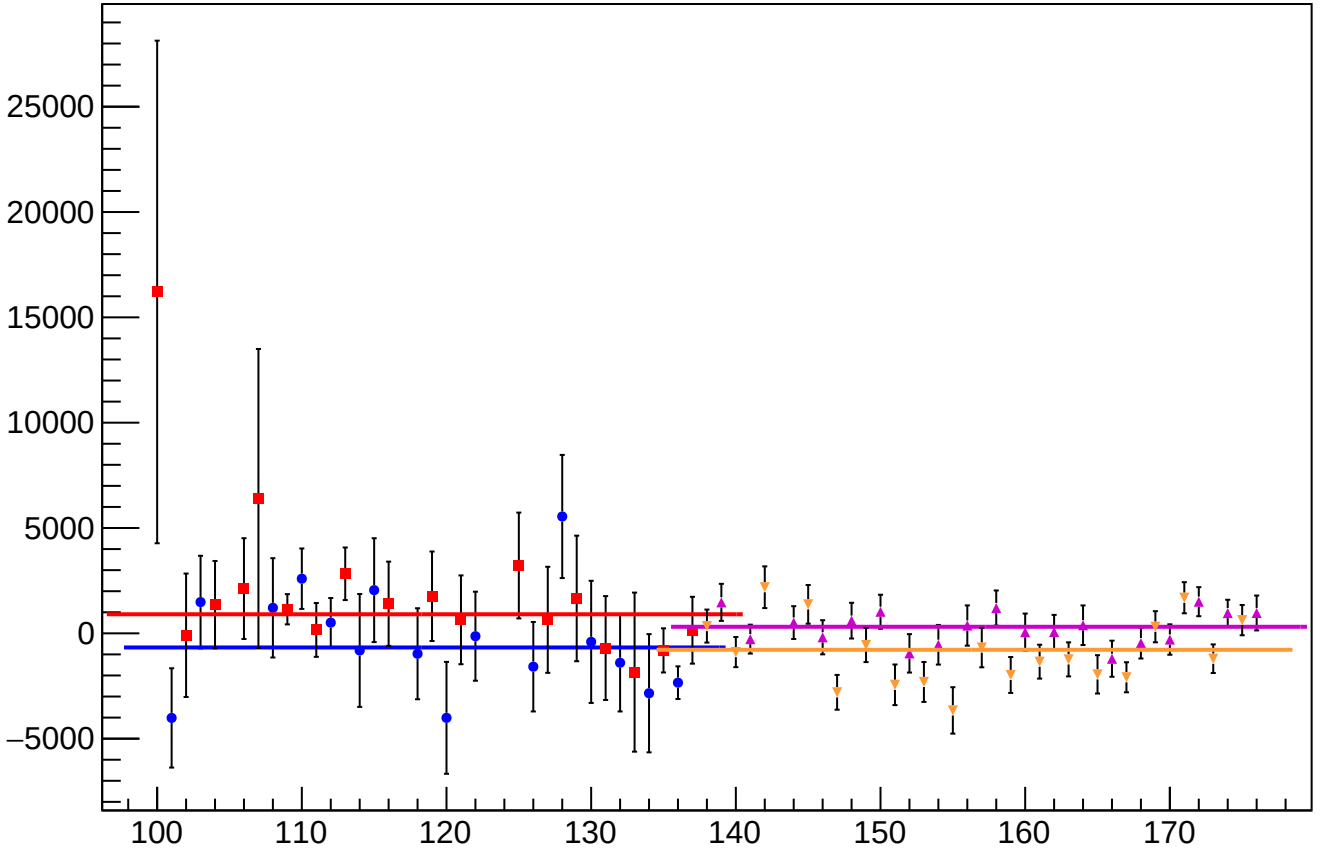
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1796.200+/-0.267 χ^2/NDF:314841.3/34

Out: 1794.175+/-0.269 χ^2/NDF:119609.9/36

All: 1795.196+/-0.190 χ^2/NDF: 434479.8/71

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -780.551+/-187.918 χ^2/NDF:60.4/18

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 311.248+/-184.062 χ^2/NDF:17.5/18

Left: -223.335+/-131.494 χ^2/NDF: 95.2/37

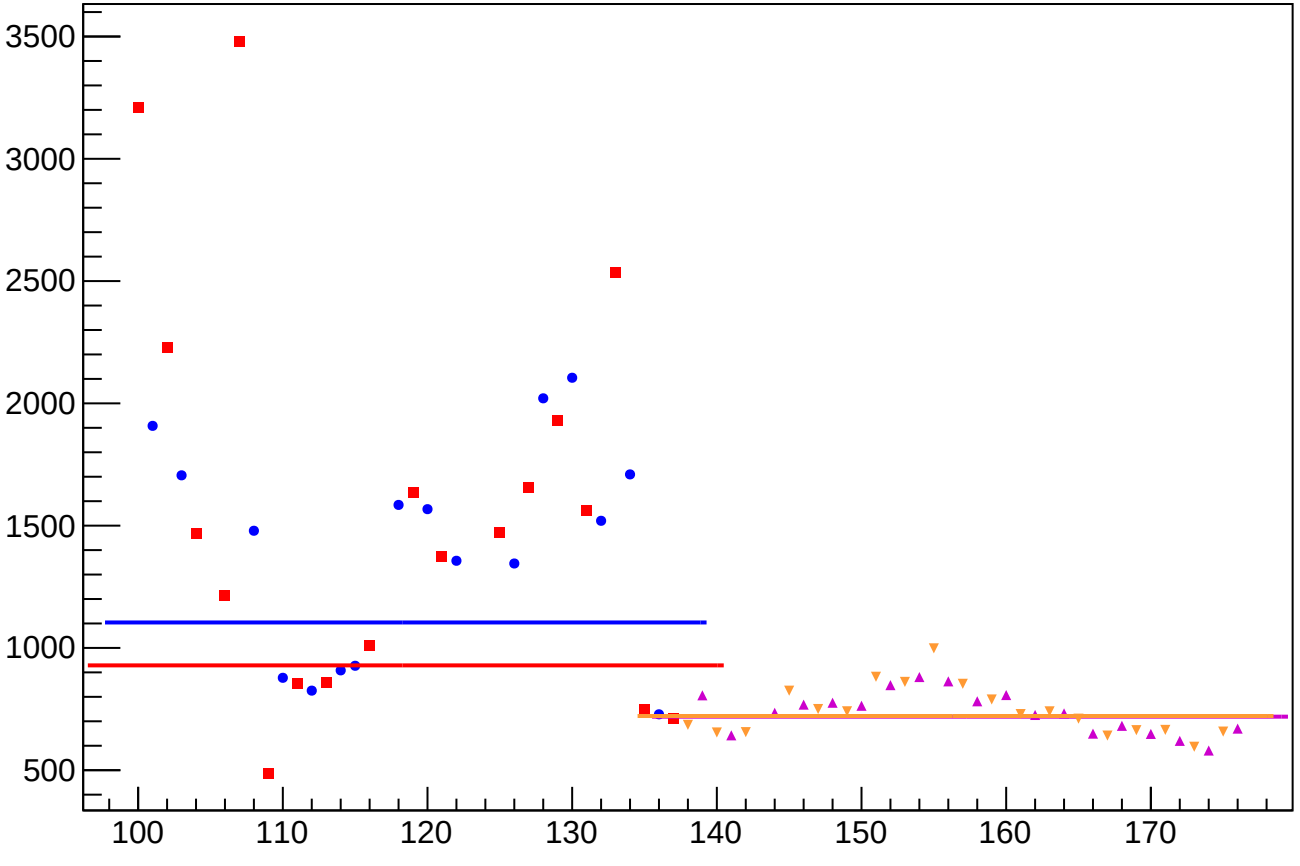
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 166.436+/-169.946 χ^2/NDF:44.5/34

Out: -469.068+/-169.678 χ^2/NDF:85.8/36

All: -151.817+/-120.075 χ^2/NDF: 137.3/71

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: 721.584+/-0.133 χ^2/NDF:471752.1/18

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

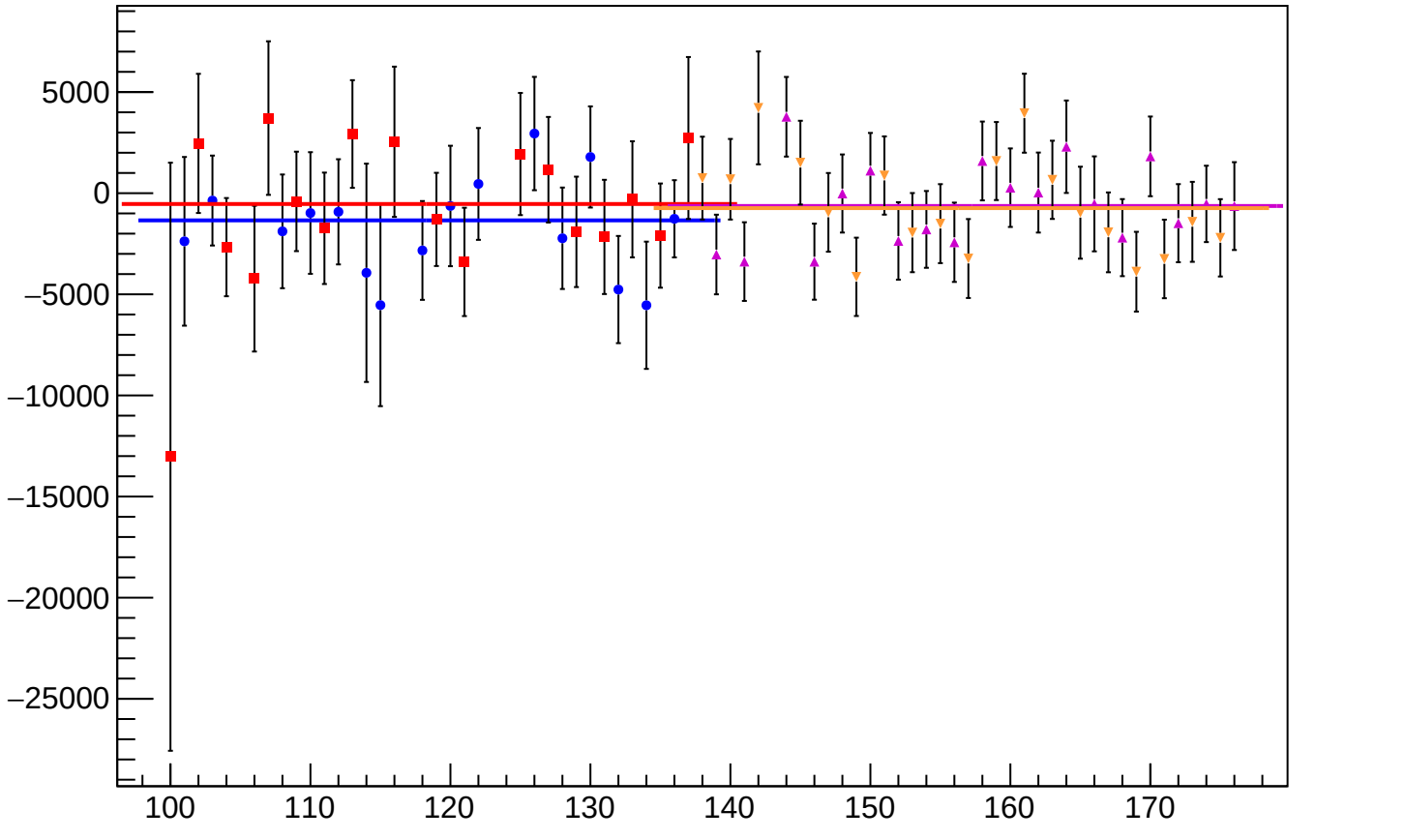
Left: 720.222+/-0.093 χ^2/NDF: 898144.8/37

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 775.731+/-0.120 χ^2/NDF:3612571.5/34

Out: 759.825+/-0.120 χ^2/NDF:3974560.8/36

All: 767.765+/-0.085 χ^2/NDF: 7595905.8/71



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -738.230+/-459.463 χ^2/NDF:24.4/18

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.599+/-452.651 χ^2/NDF:19.4/18

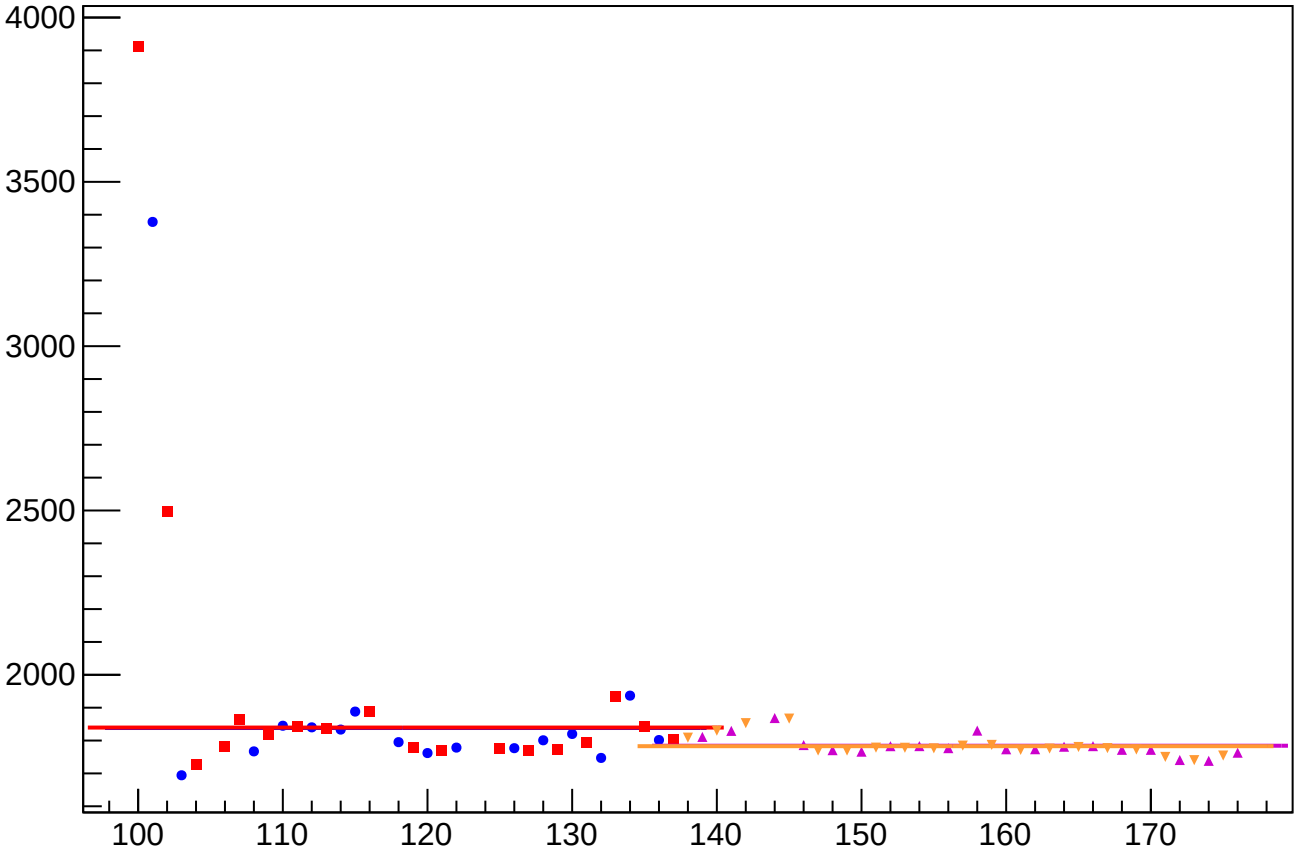
Left: -684.626+/-322.454 χ^2/NDF: 43.8/37

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -846.220+/-378.634 χ^2/NDF:29.7/34

Out: -675.673+/-382.599 χ^2/NDF:35.6/36

All: -761.835+/-269.125 χ^2/NDF: 65.4/71



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

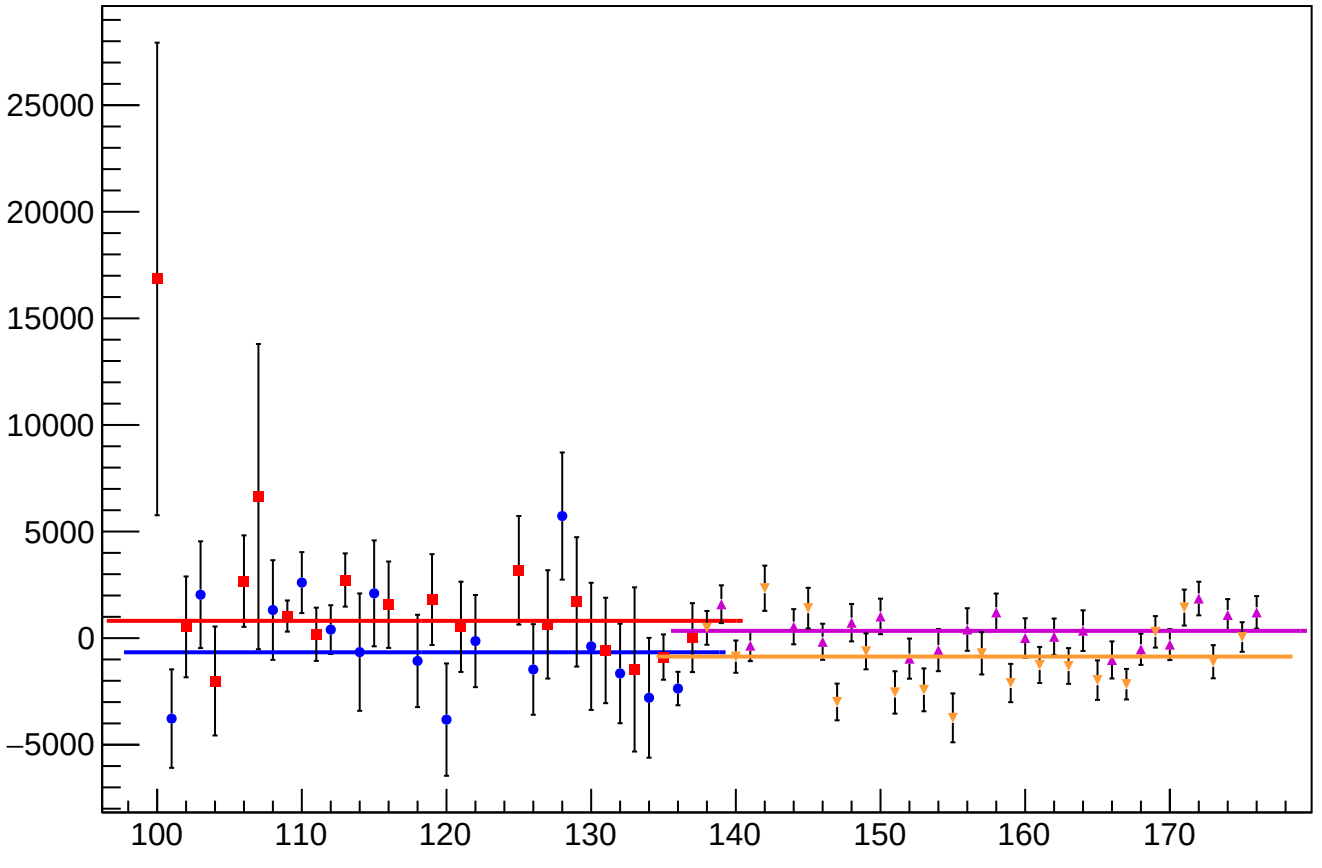
Left: 1783.549+/-0.228 χ^2/NDF: 17562.1/37

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1800.430+/-0.268 χ^2/NDF:309731.1/34

Out: 1800.217+/-0.271 χ^2/NDF:145913.1/36

All: 1800.325+/-0.190 χ^2/NDF: 455644.5/71



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -864.284+/-196.134 χ^2/NDF:54.3/18

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.990+/-192.315 χ^2/NDF:18.7/18

Left: -249.801+/-137.318 χ^2/NDF: 92.3/37

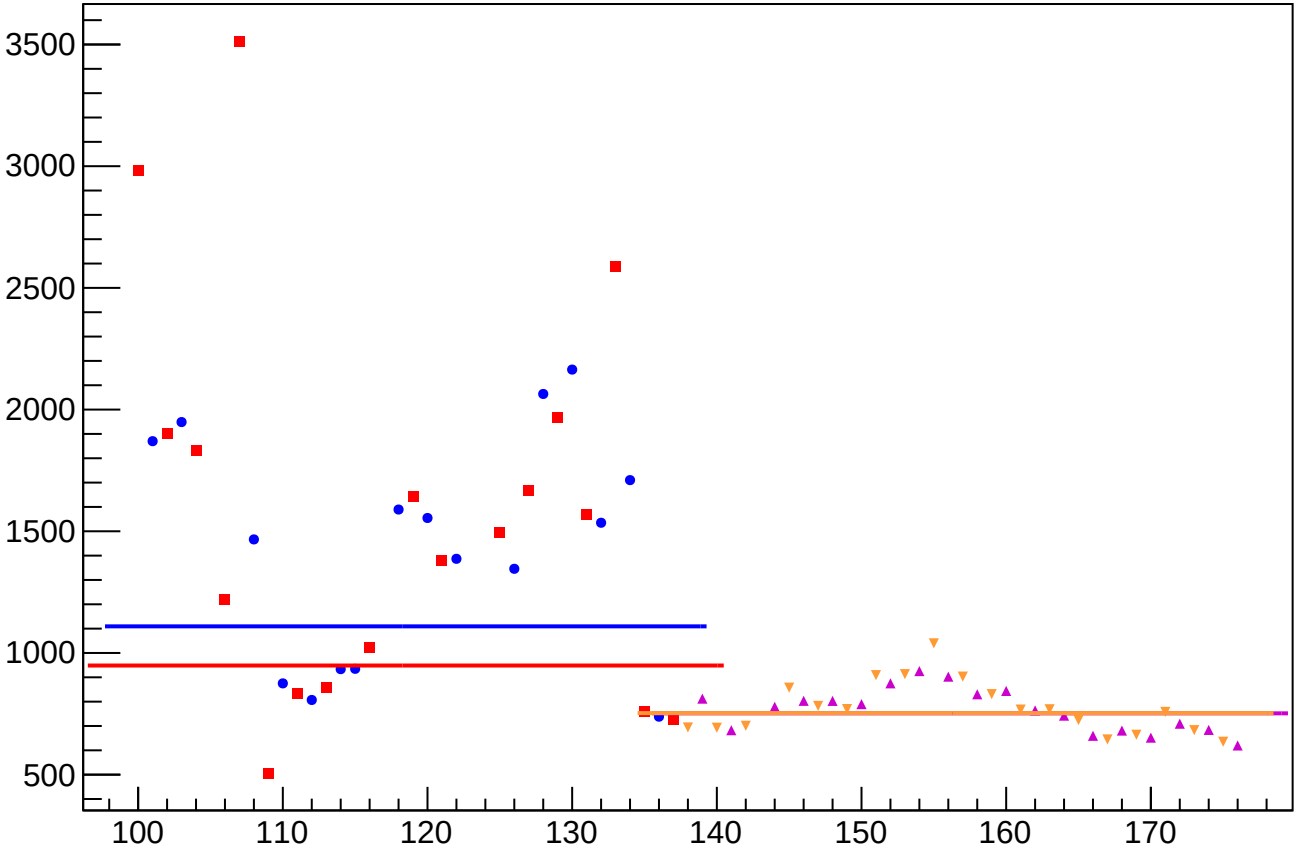
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 183.448+/-176.591 χ^2/NDF:45.8/34

Out: -535.627+/-175.861 χ^2/NDF:80.9/36

All: -177.580+/-124.610 χ^2/NDF: 134.9/71

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: 752.958+/-0.139 χ^2/NDF:492800.1/18

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 751.944+/-0.136 χ^2/NDF:386794.2/18

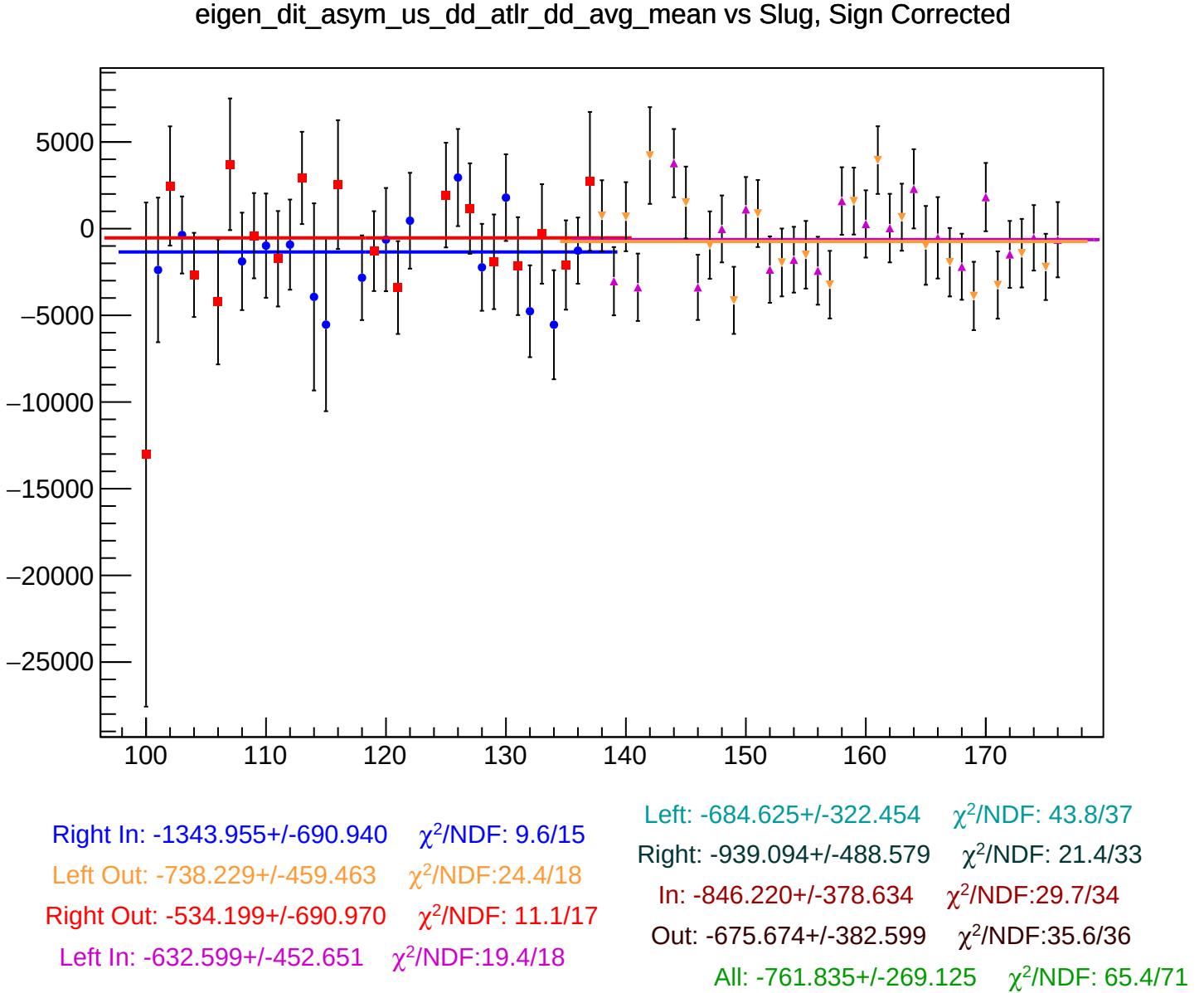
Left: 752.441+/-0.097 χ^2/NDF: 879621.6/37

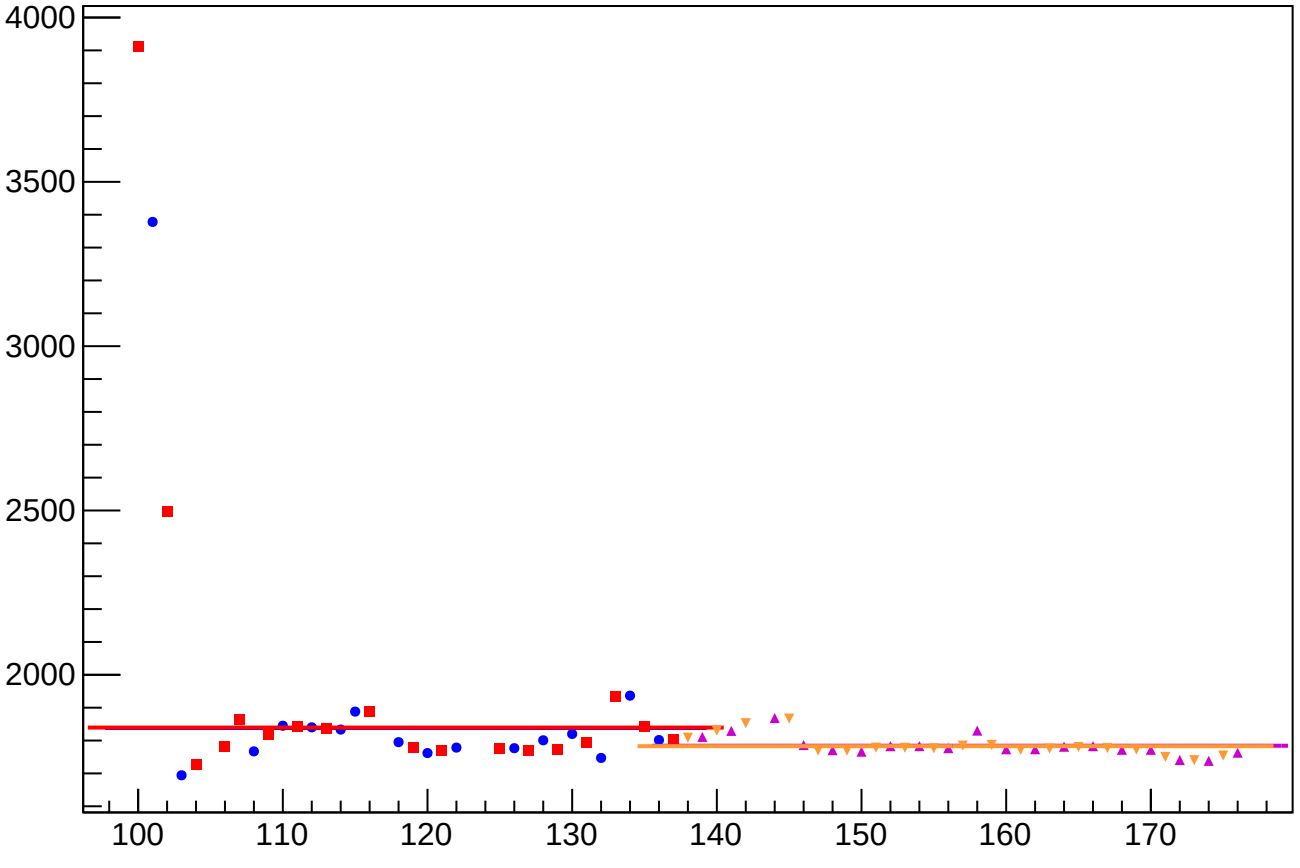
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 808.001+/-0.125 χ^2/NDF:3443615.6/34

Out: 791.280+/-0.124 χ^2/NDF:3935947.0/36

All: 799.606+/-0.088 χ^2/NDF: 7388565.6/71


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: -738.229+/-459.463 χ²/NDF:24.4/18
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -632.599+/-452.651 χ²/NDF:19.4/18
Left: -684.625+/-322.454 χ²/NDF: 43.8/37
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -846.220+/-378.634 χ²/NDF:29.7/34
Out: -675.674+/-382.599 χ²/NDF:35.6/36
All: -761.835+/-269.125 χ²/NDF: 65.4/71



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1782.840+/-0.325 χ^2/NDF:8328.7/18

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

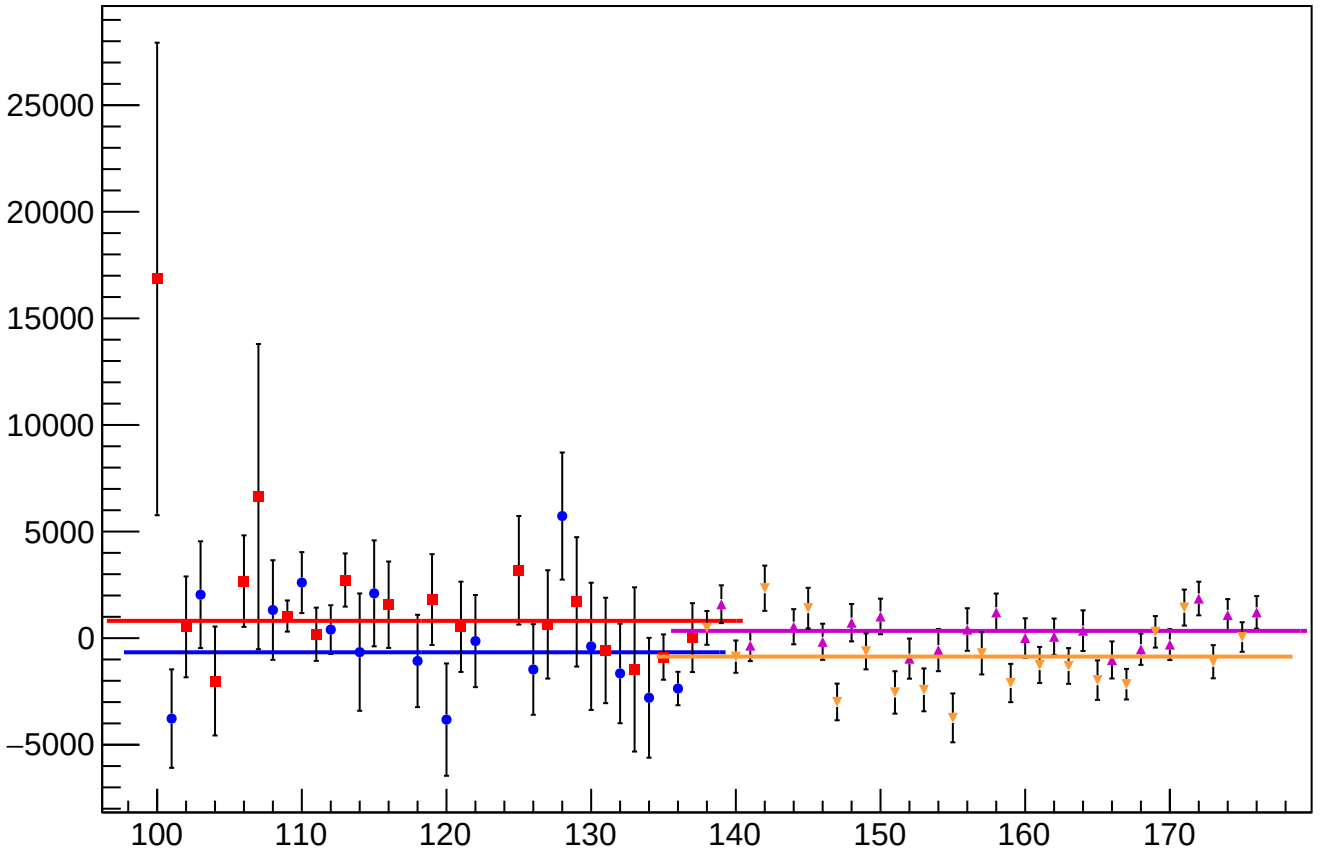
Left: 1783.549+/-0.228 χ^2/NDF: 17562.2/37

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1800.430+/-0.268 χ^2/NDF:309731.1/34

Out: 1800.217+/-0.271 χ^2/NDF:145913.2/36

All: 1800.325+/-0.190 χ^2/NDF: 455644.6/71



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -864.287+/-196.134 χ^2/NDF:54.3/18

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.988+/-192.315 χ^2/NDF:18.7/18

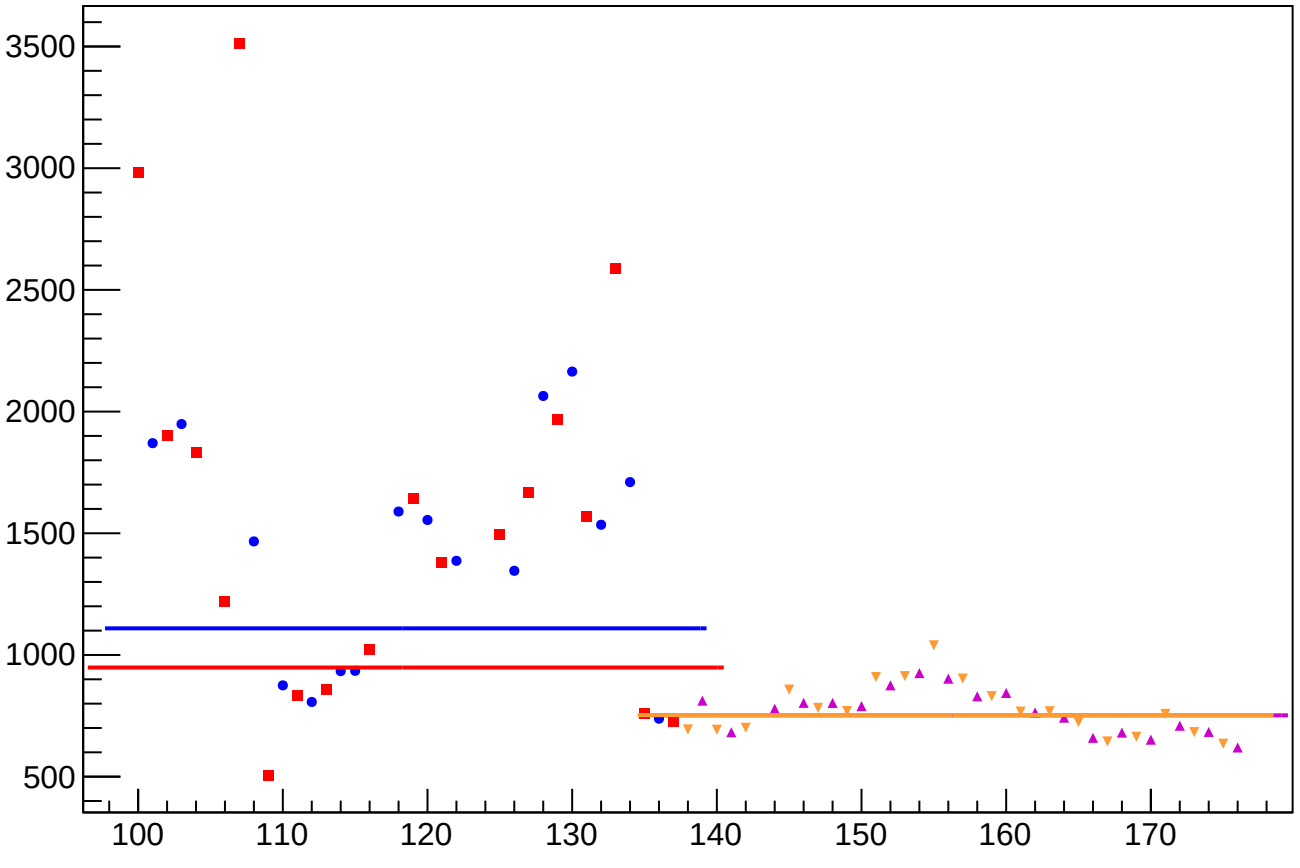
Left: -249.803+/-137.318 χ^2/NDF: 92.3/37

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 183.448+/-176.591 χ^2/NDF:45.8/34

Out: -535.628+/-175.861 χ^2/NDF:80.9/36

All: -177.580+/-124.610 χ^2/NDF: 134.9/71



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 752.958+/-0.139 χ^2/NDF:492793.2/18

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 751.943+/-0.136 χ^2/NDF:386801.9/18

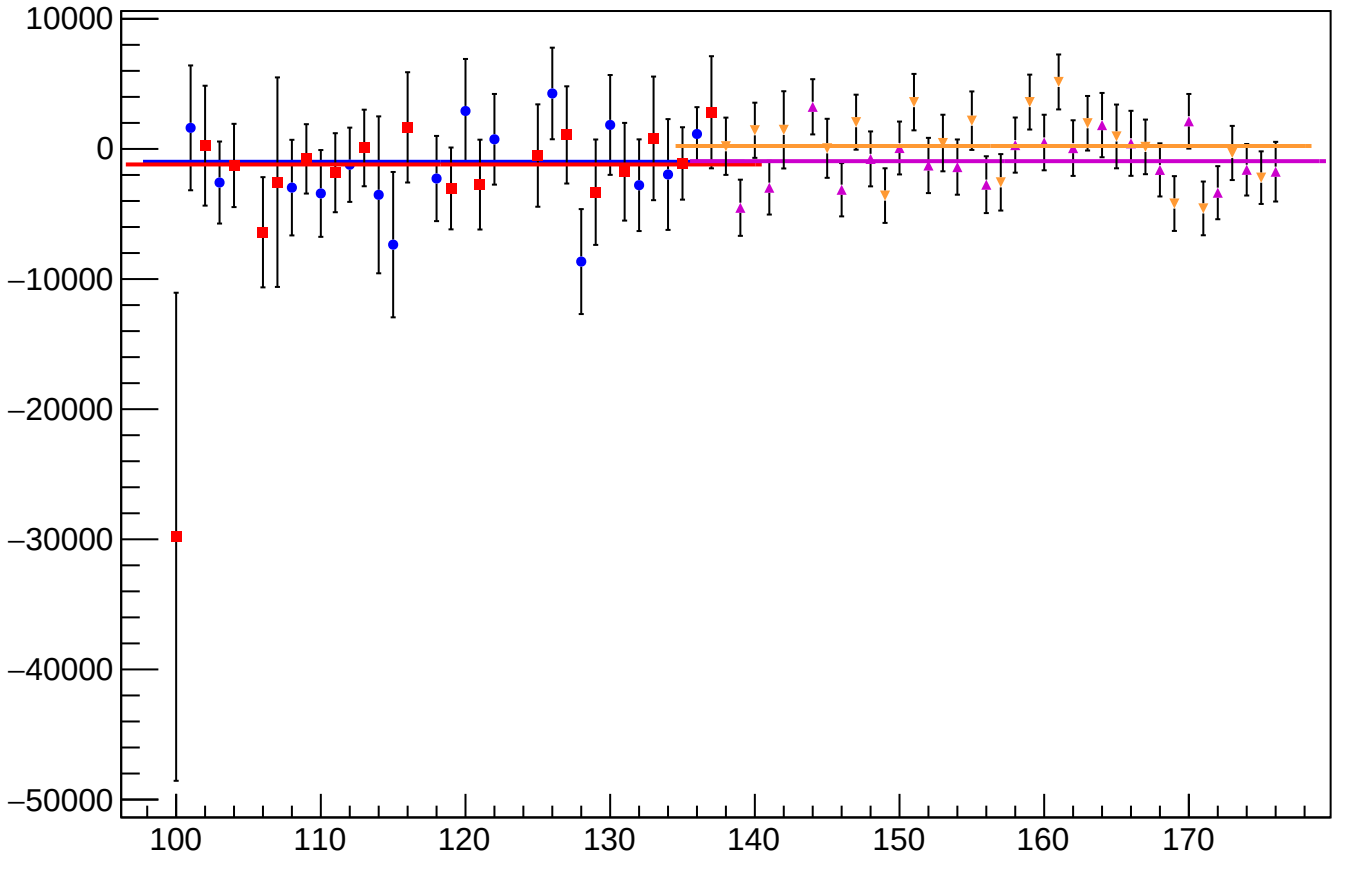
Left: 752.441+/-0.097 χ^2/NDF: 879622.4/37

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 808.001+/-0.125 χ^2/NDF:3443600.5/34

Out: 791.281+/-0.124 χ^2/NDF:3935920.5/36

All: 799.606+/-0.088 χ^2/NDF: 7388523.3/71



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 226.040+/-498.240 χ^2/NDF:29.5/18

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -938.975+/-489.863 χ^2/NDF:16.2/18

Left: -366.343+/-349.309 χ^2/NDF: 48.5/37

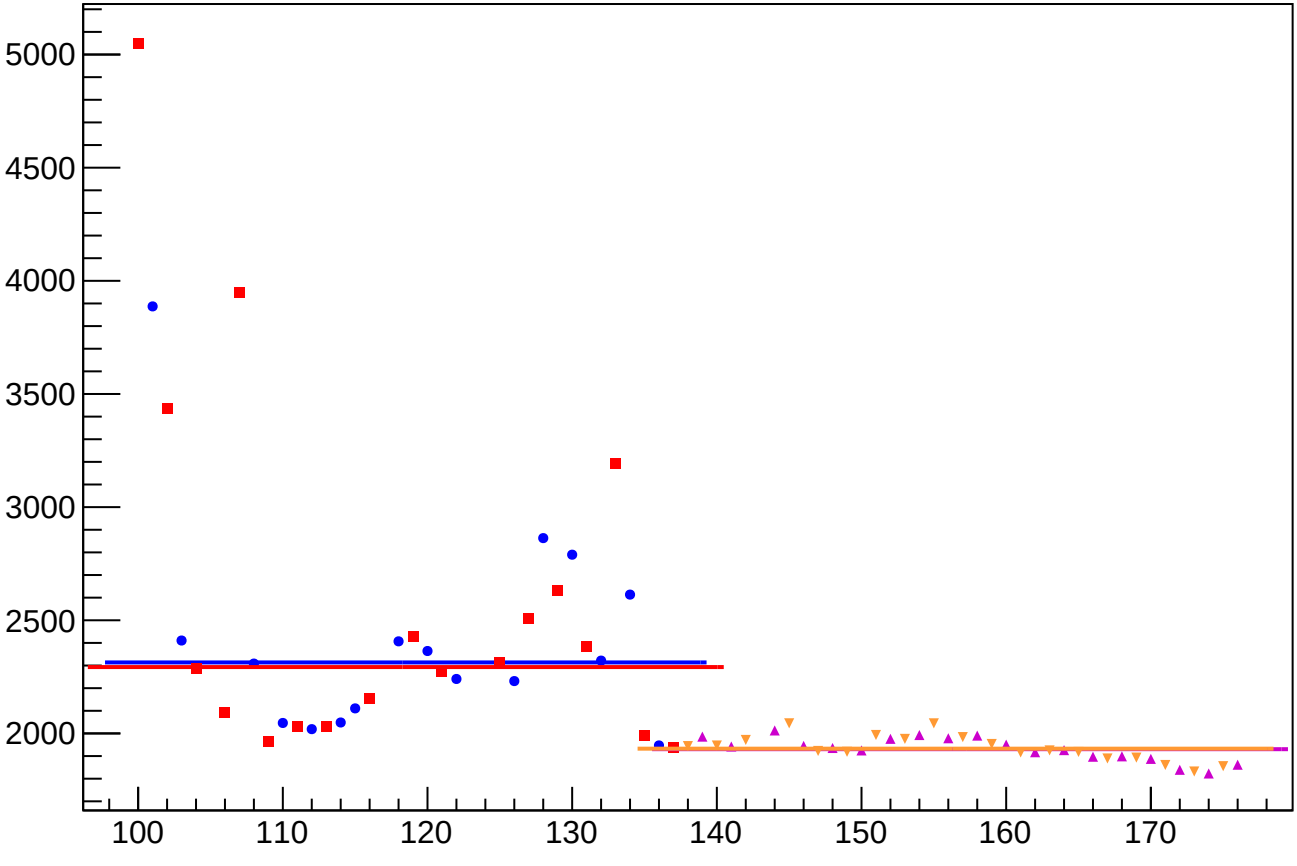
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -950.586+/-427.302 χ^2/NDF:28.2/34

Out: -123.958+/-432.411 χ^2/NDF:38.5/36

All: -542.185+/-303.938 χ^2/NDF: 68.5/71

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1932.662+/-0.352 χ^2/NDF:25943.8/18

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1930.380+/-0.346 χ^2/NDF:23398.6/18

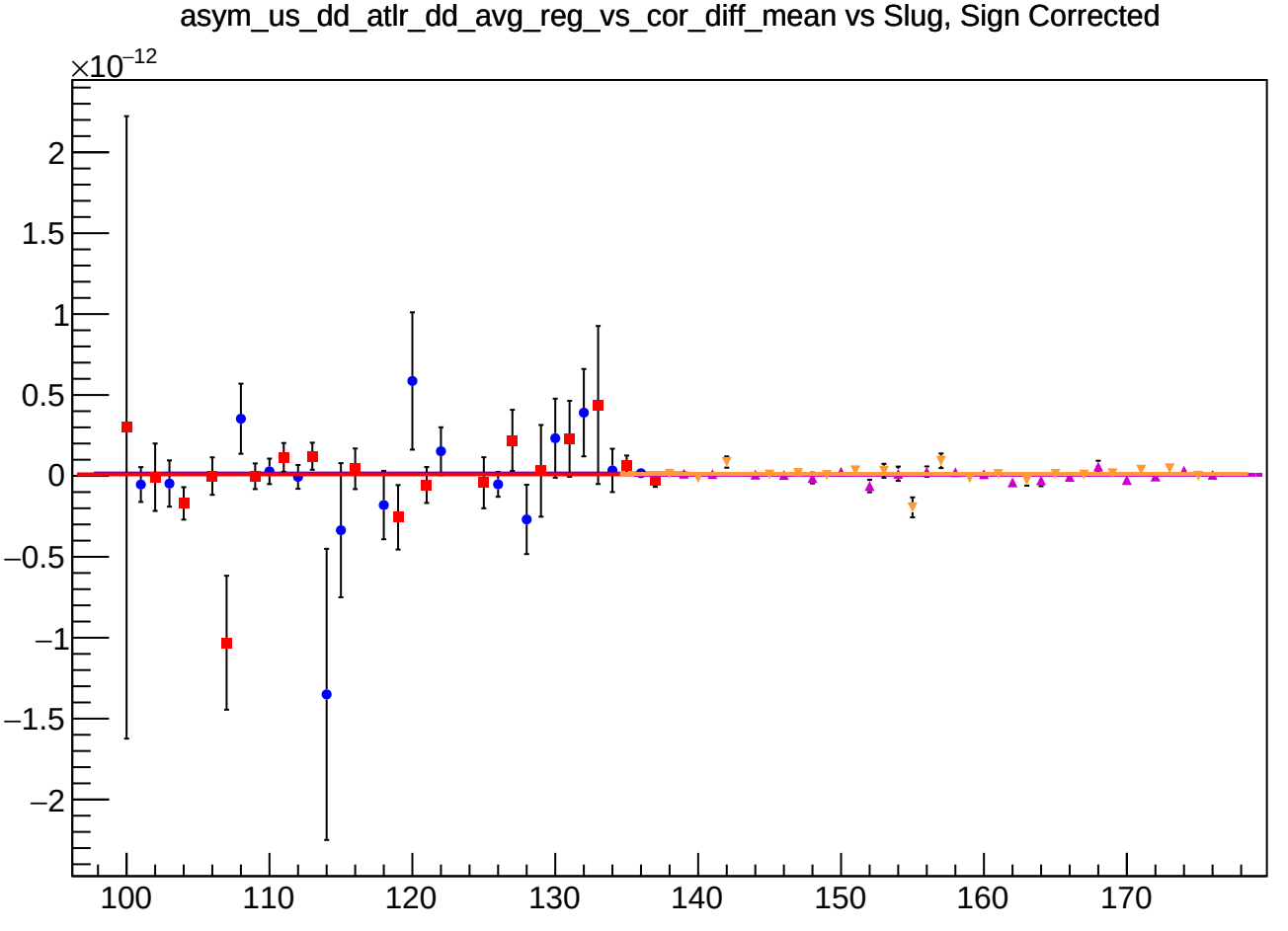
Left: 1931.502+/-0.247 χ^2/NDF: 49363.8/37

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2022.048+/-0.302 χ^2/NDF:719043.5/34

Out: 2021.658+/-0.306 χ^2/NDF:737706.6/36

All: 2021.855+/-0.215 χ^2/NDF: 1456751.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/18

Left: 0.000+/-0.000 χ^2/NDF: 44.1/37

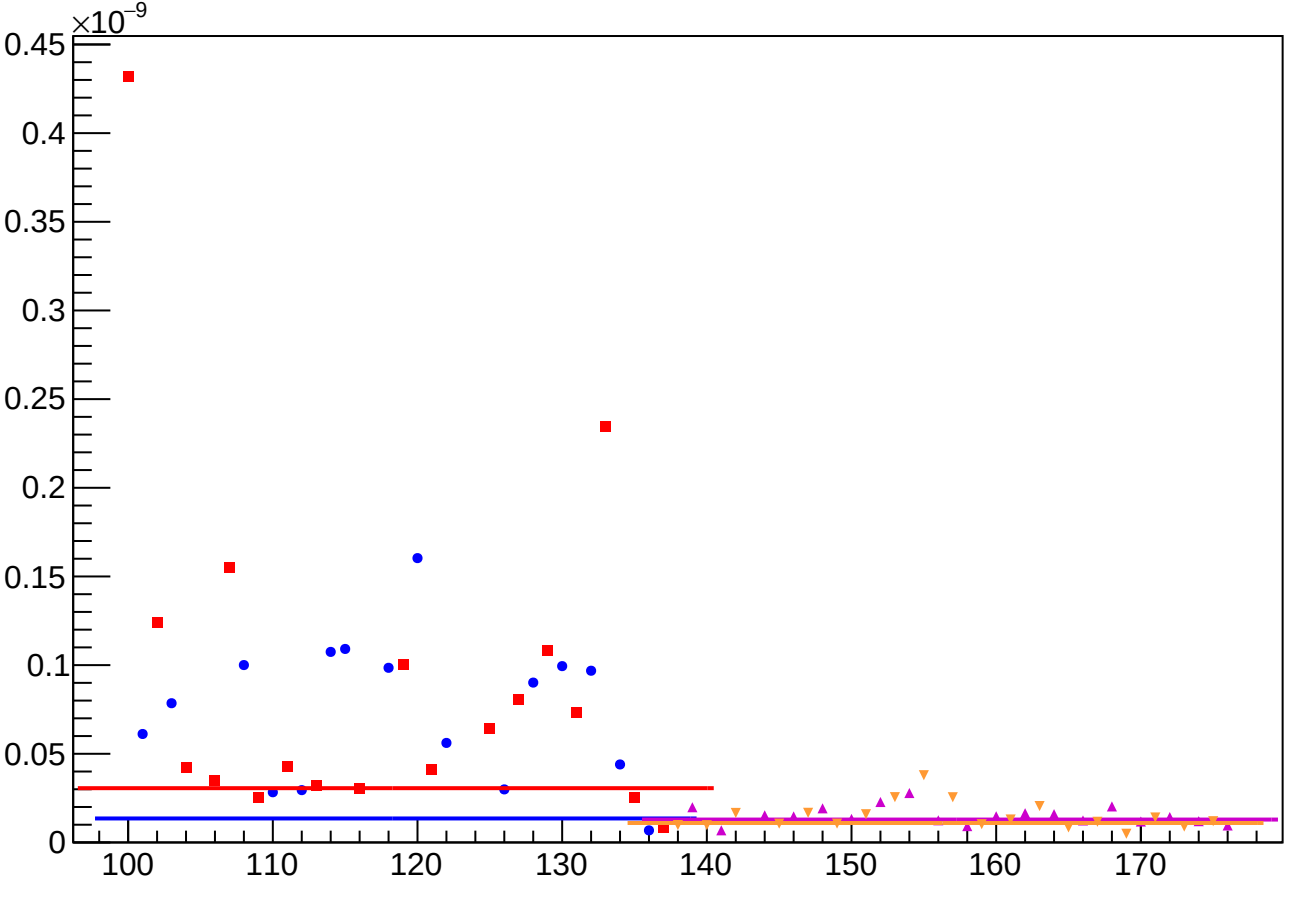
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:30.0/34

Out: 0.000+/-0.000 χ^2/NDF:48.4/36

All: 0.000+/-0.000 χ^2/NDF: 78.7/71

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:1727983.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1200784.4/18

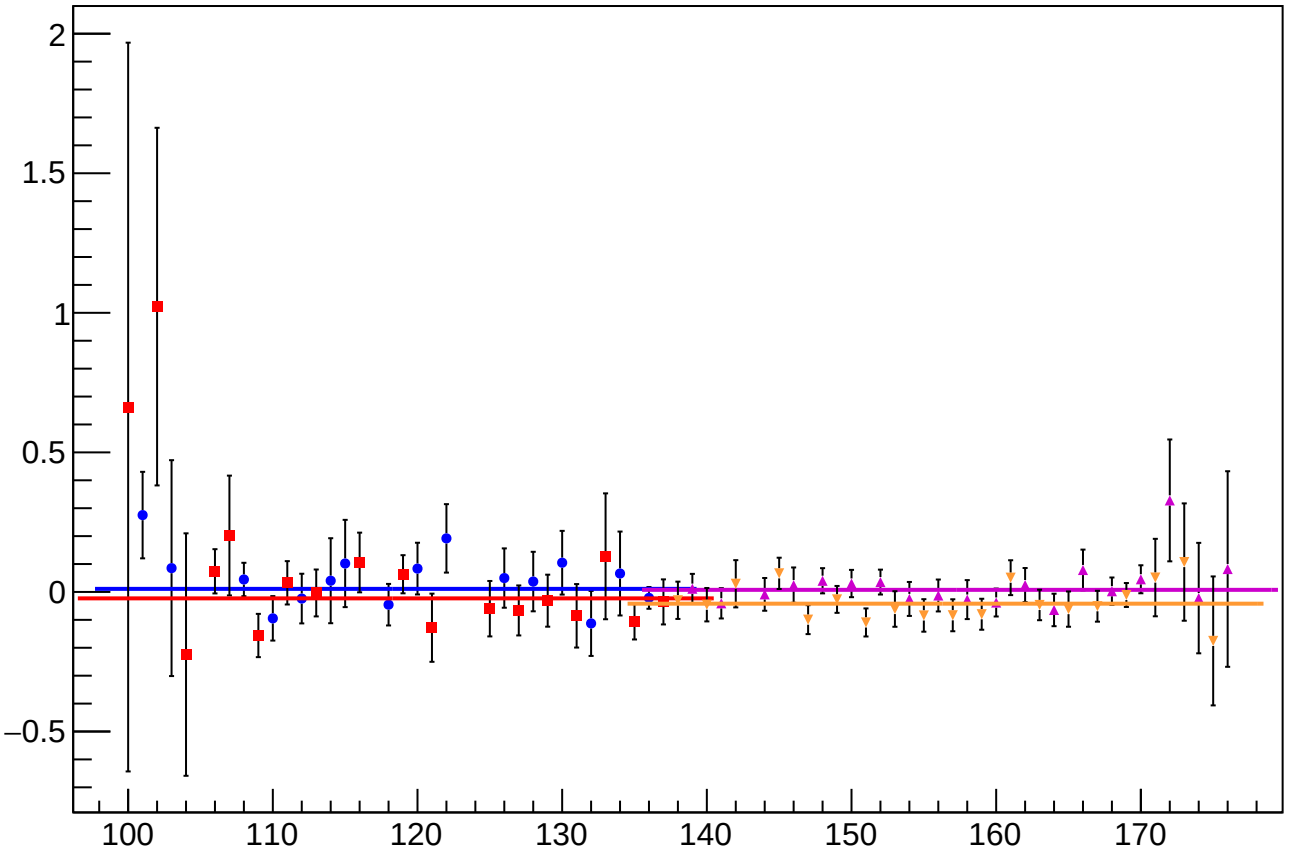
Left: 0.000+/-0.000 χ^2/NDF: 3050796.6/37

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4620217.4/34

Out: 0.000+/-0.000 χ^2/NDF:5345433.9/36

All: 0.000+/-0.000 χ^2/NDF: 10013590.6/71



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.017+/-0.010 χ^2/NDF: 28.8/37

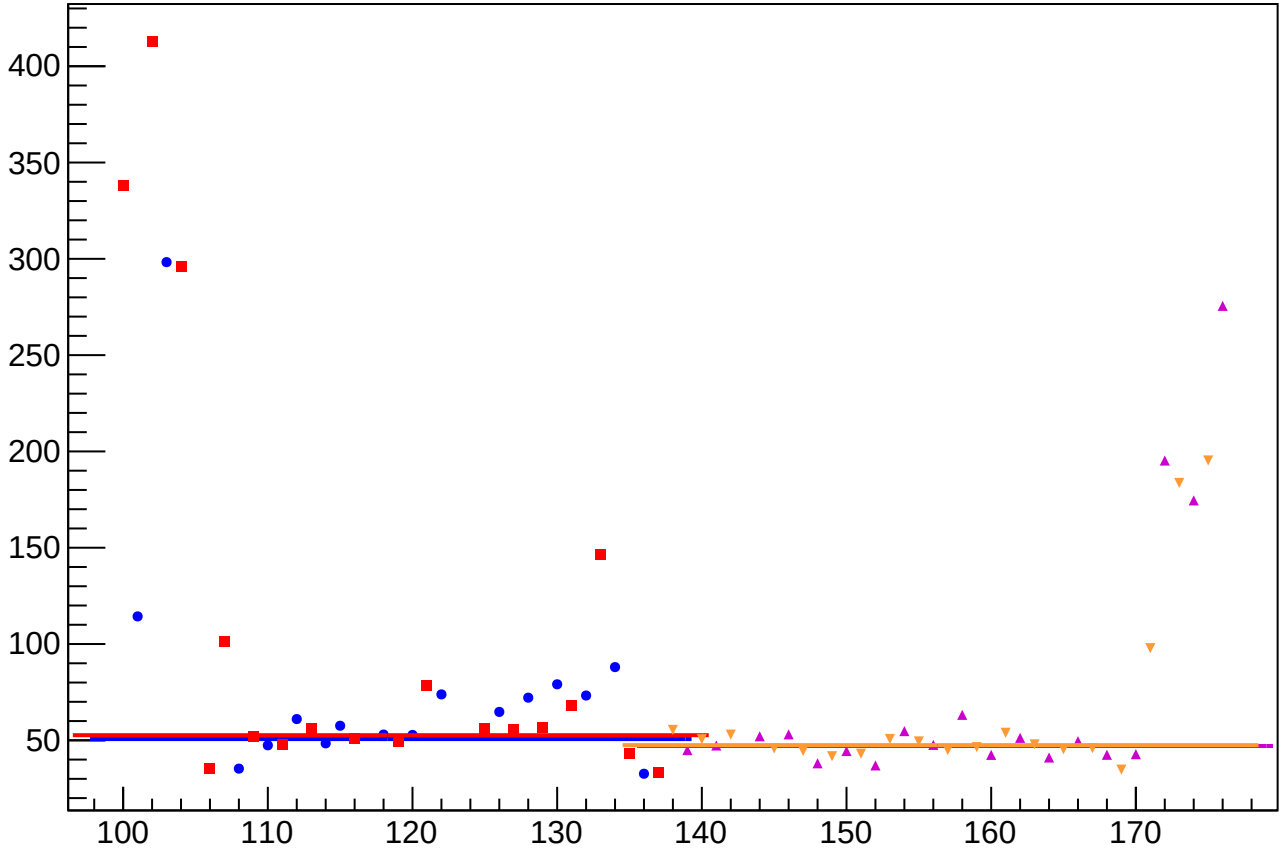
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 58.0/71

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: 47.503+/-0.010 χ^2/NDF:2228326.2/18

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

Left: 47.272+/-0.007 χ^2/NDF: 5277653.9/37

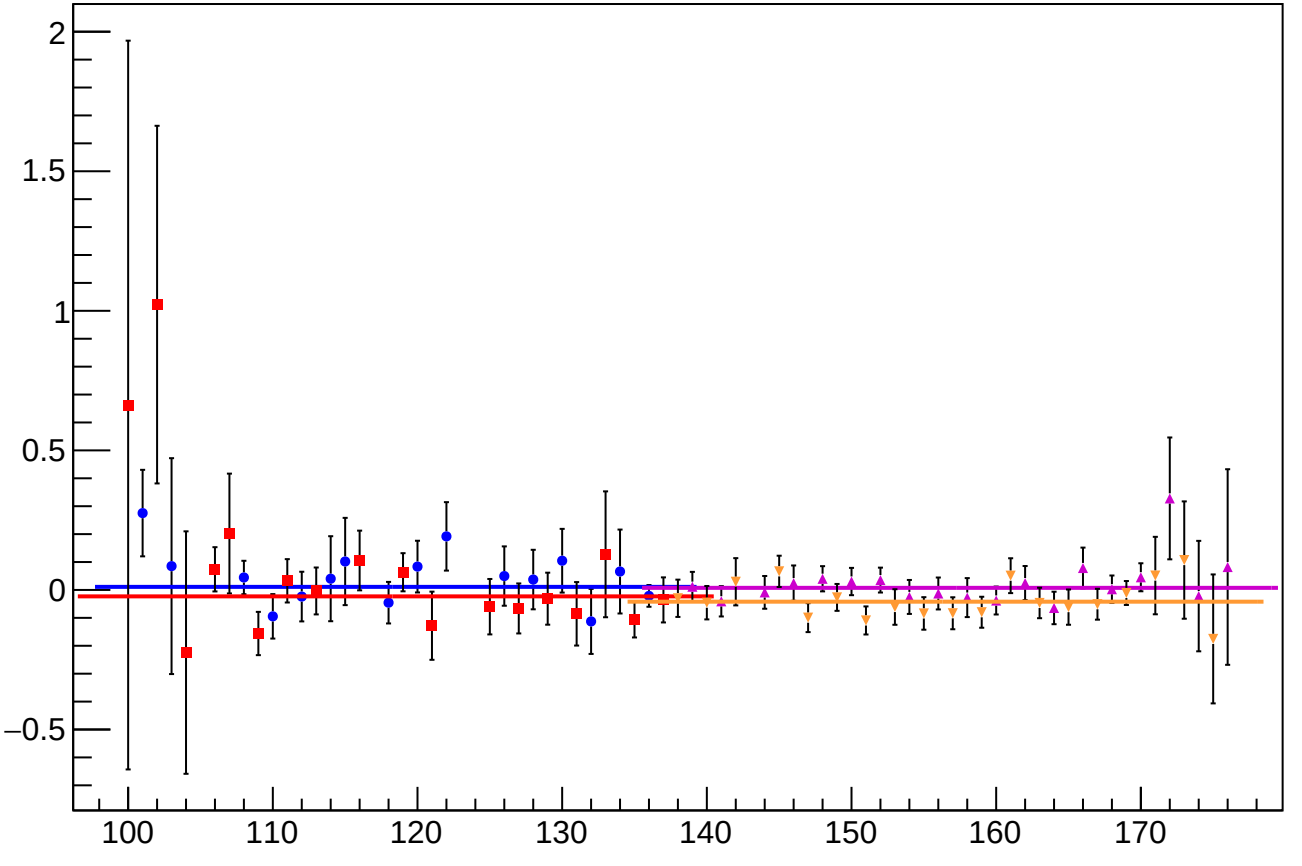
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.050+/-0.008 χ^2/NDF:5353674.3/34

Out: 48.882+/-0.008 χ^2/NDF:4513404.3/36

All: 48.451+/-0.006 χ^2/NDF: 9872109.6/71

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: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.017+/-0.010 χ^2/NDF: 28.8/37

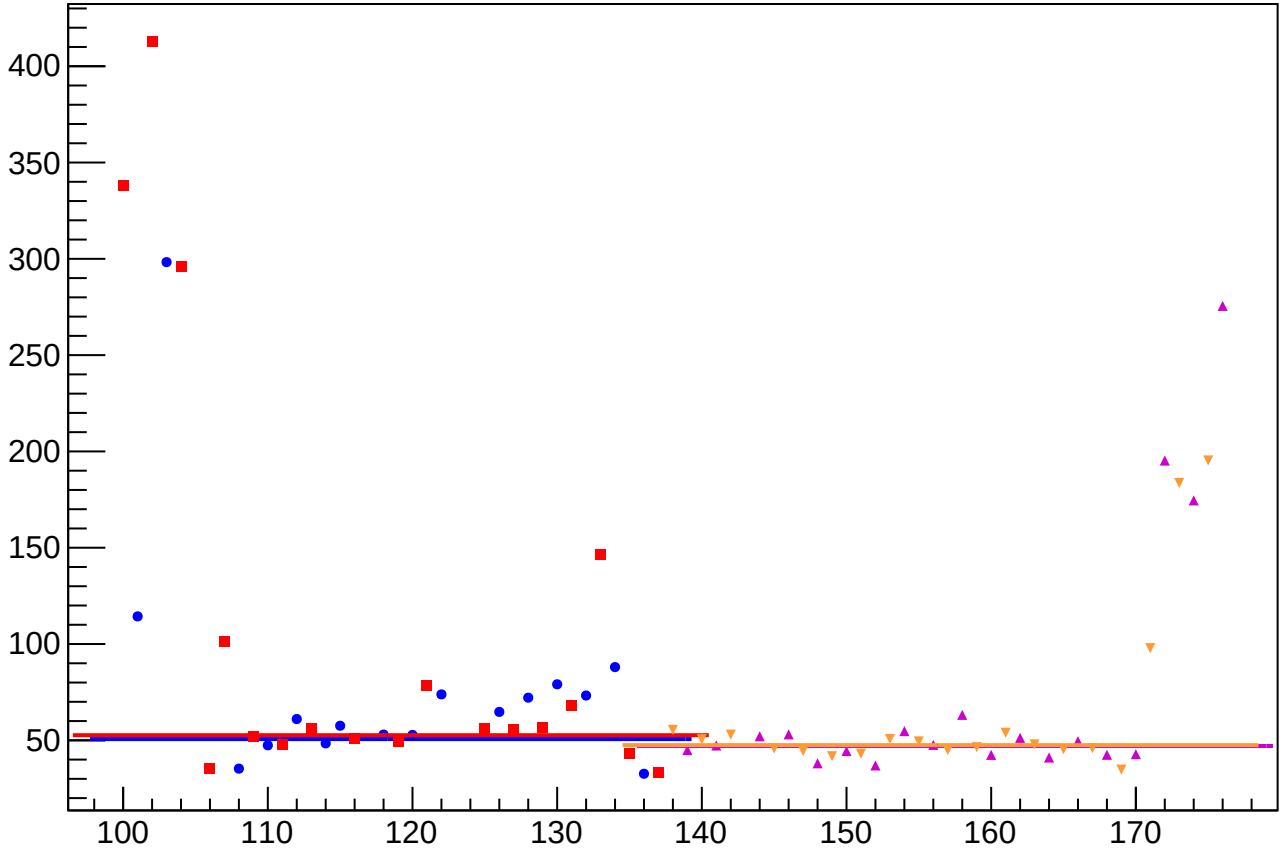
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 58.0/71

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: 47.503+/-0.010 χ^2/NDF:2228326.2/18

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

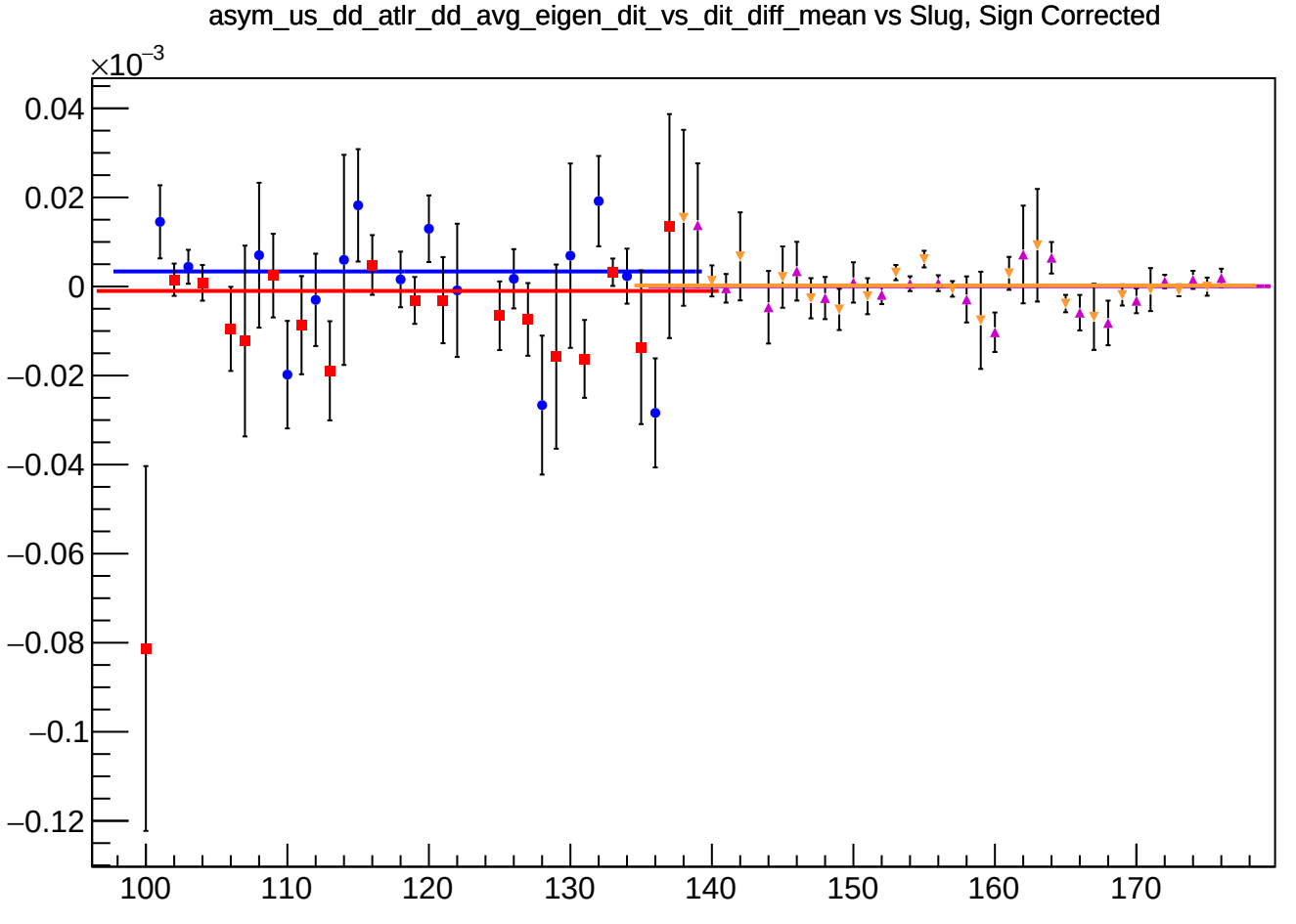
Left: 47.272+/-0.007 χ^2/NDF: 5277653.9/37

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.050+/-0.008 χ^2/NDF:5353674.3/34

Out: 48.882+/-0.008 χ^2/NDF:4513404.3/36

All: 48.451+/-0.006 χ^2/NDF: 9872109.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/18

Left: 0.000+/-0.000 χ^2/NDF: 45.4/37

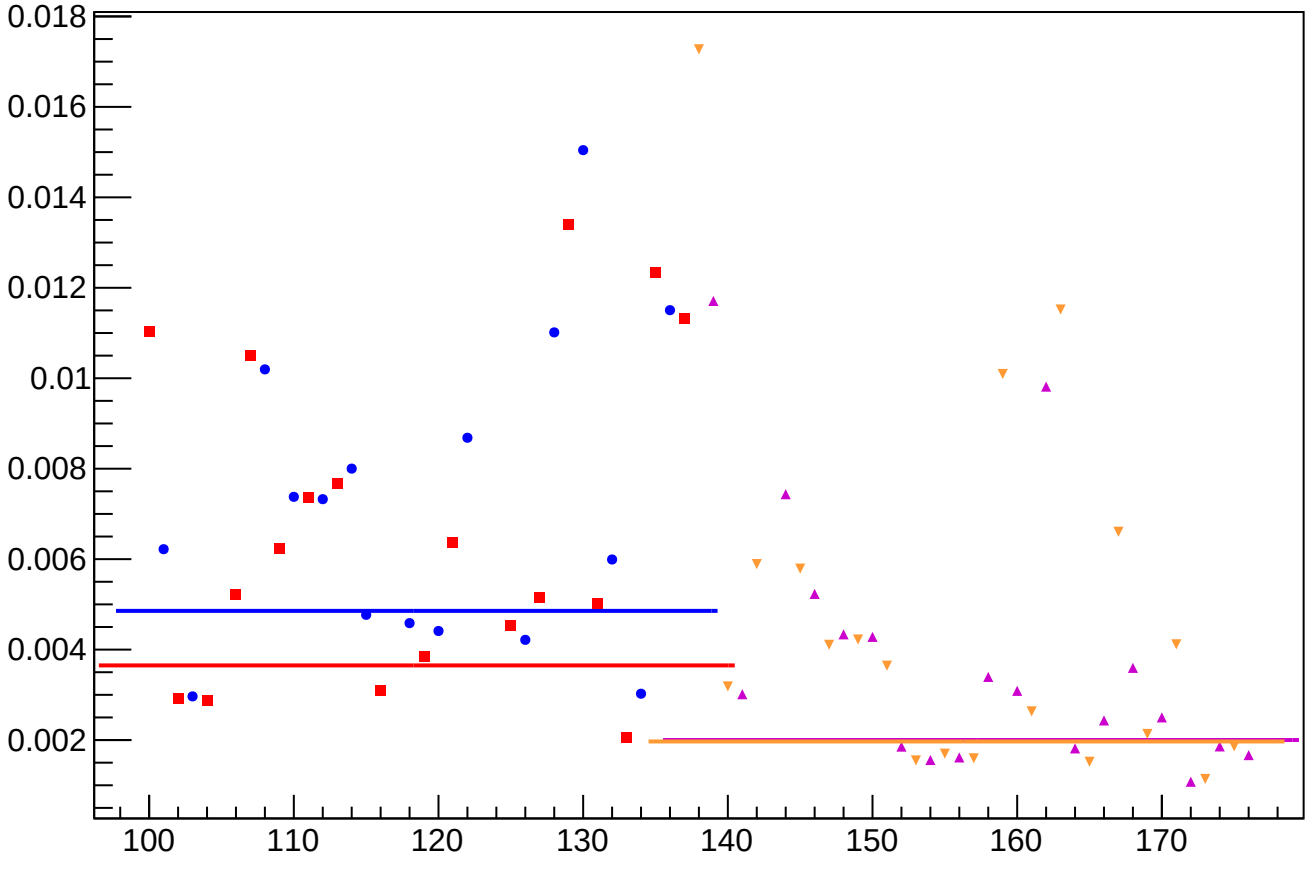
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:45.2/34

Out: 0.000+/-0.000 χ^2/NDF:42.5/36

All: 0.000+/-0.000 χ^2/NDF: 87.7/71

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8280446.2/18

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6176505.0/18

Left: 0.002+/-0.000 χ^2/NDF: 14459548.2/37

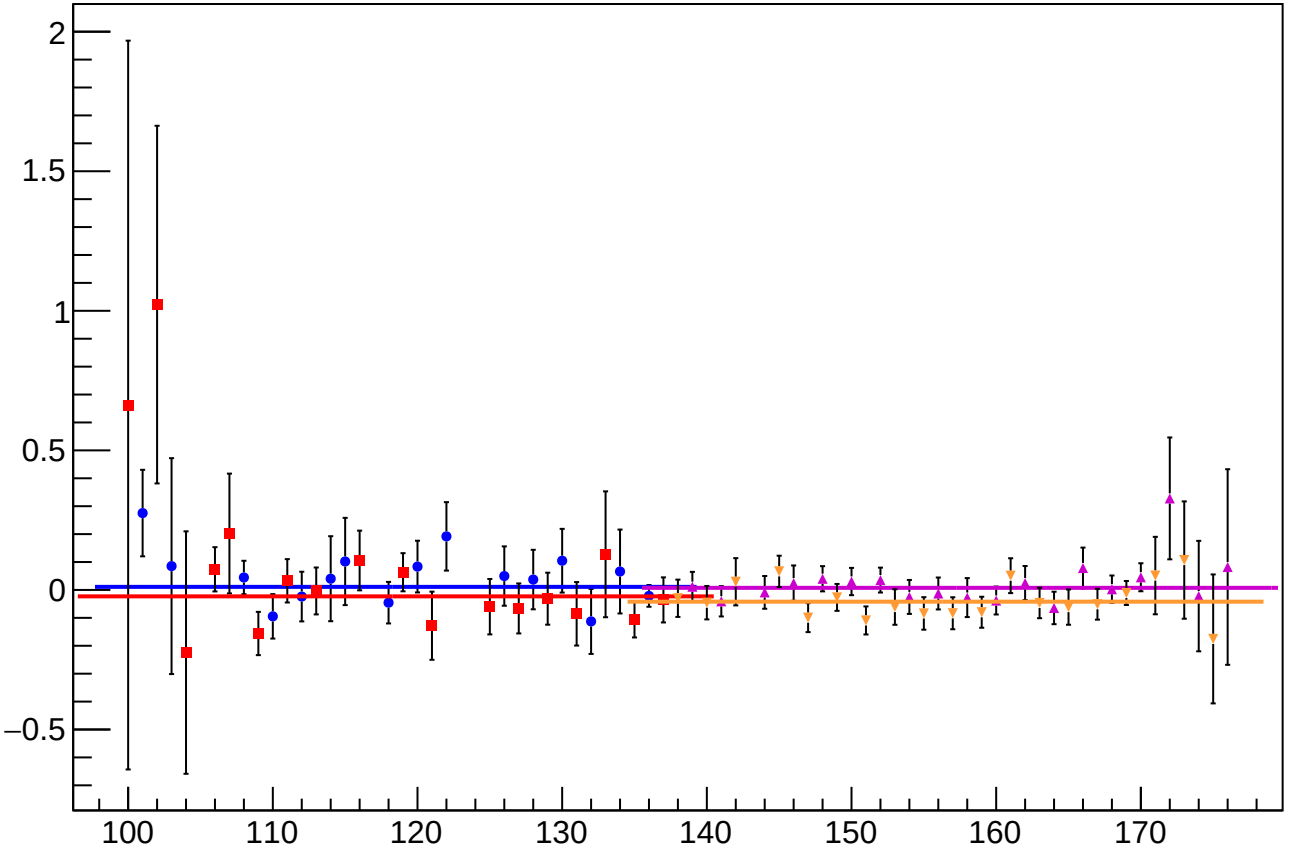
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12367592.6/34

Out: 0.002+/-0.000 χ^2/NDF:13383141.6/36

All: 0.002+/-0.000 χ^2/NDF: 25758179.5/71

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.017+/-0.010 χ^2/NDF: 28.8/37

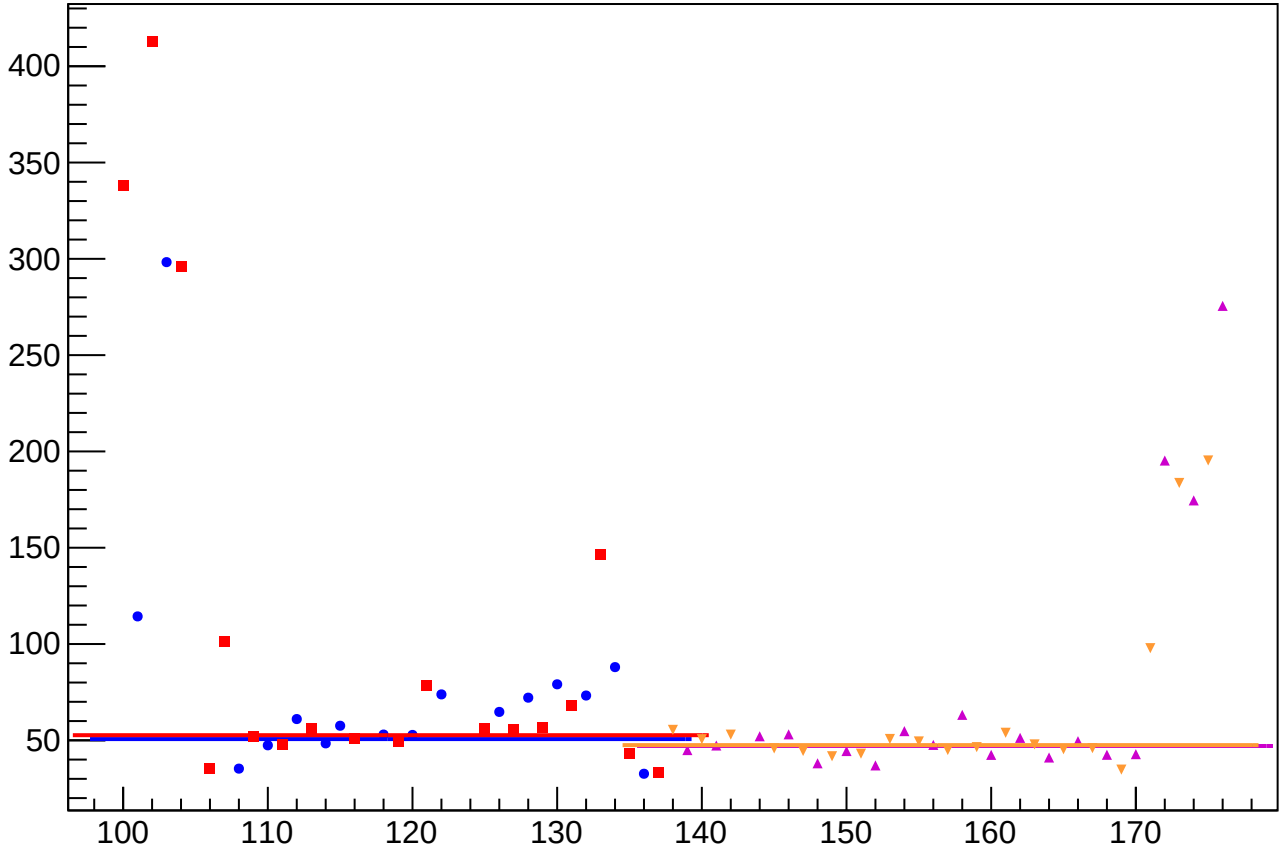
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 58.0/71

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: 47.503+/-0.010 χ^2/NDF:2228343.2/18

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

Left: 47.272+/-0.007 χ^2/NDF: 5277606.2/37

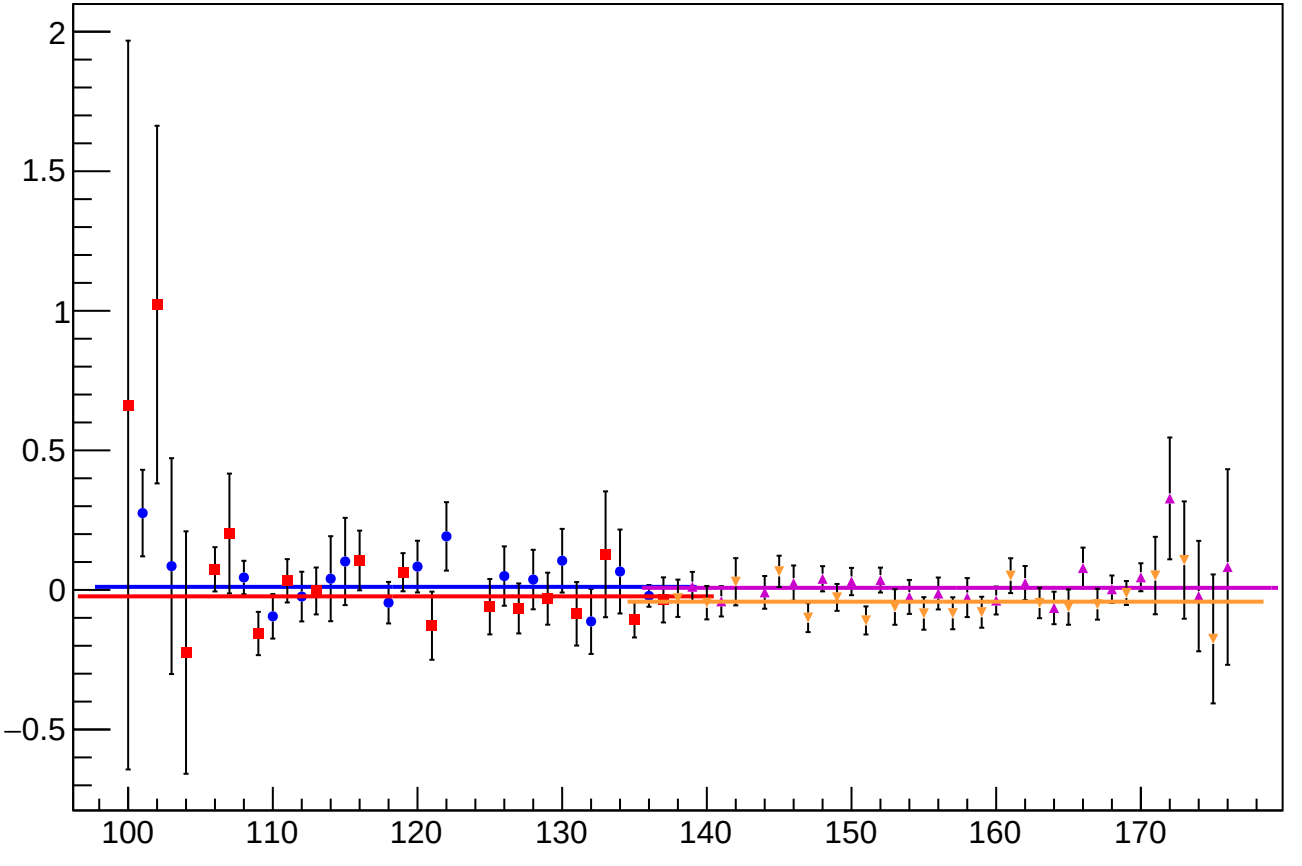
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.050+/-0.008 χ^2/NDF:5353519.4/34

Out: 48.882+/-0.008 χ^2/NDF:4513336.8/36

All: 48.451+/-0.006 χ^2/NDF: 9871882.8/71

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: -0.042+/-0.014 χ^2/NDF:13.4/18

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.017+/-0.010 χ^2/NDF: 28.8/37

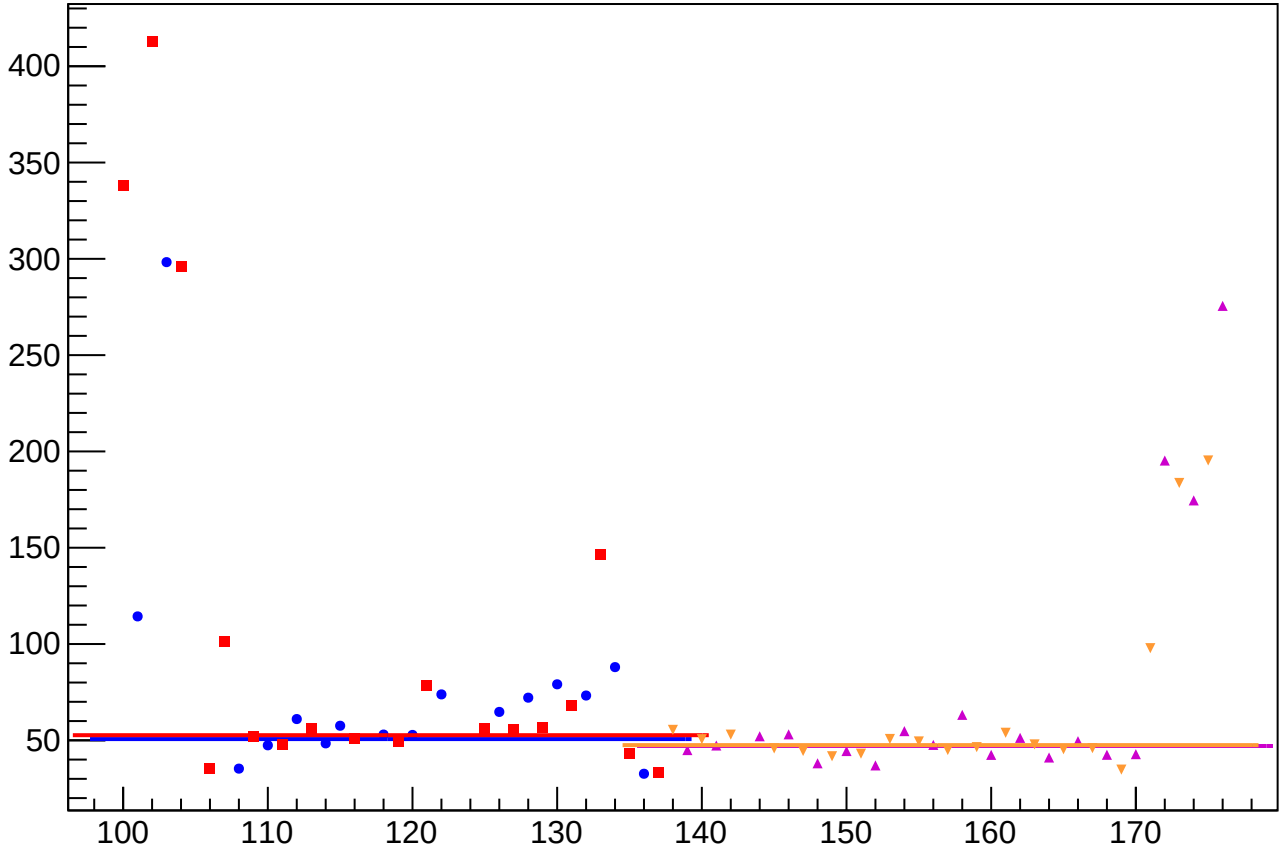
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:29.8/36

All: -0.013+/-0.008 χ^2/NDF: 58.0/71

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: 47.503+/-0.010 χ^2/NDF:2228343.2/18

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

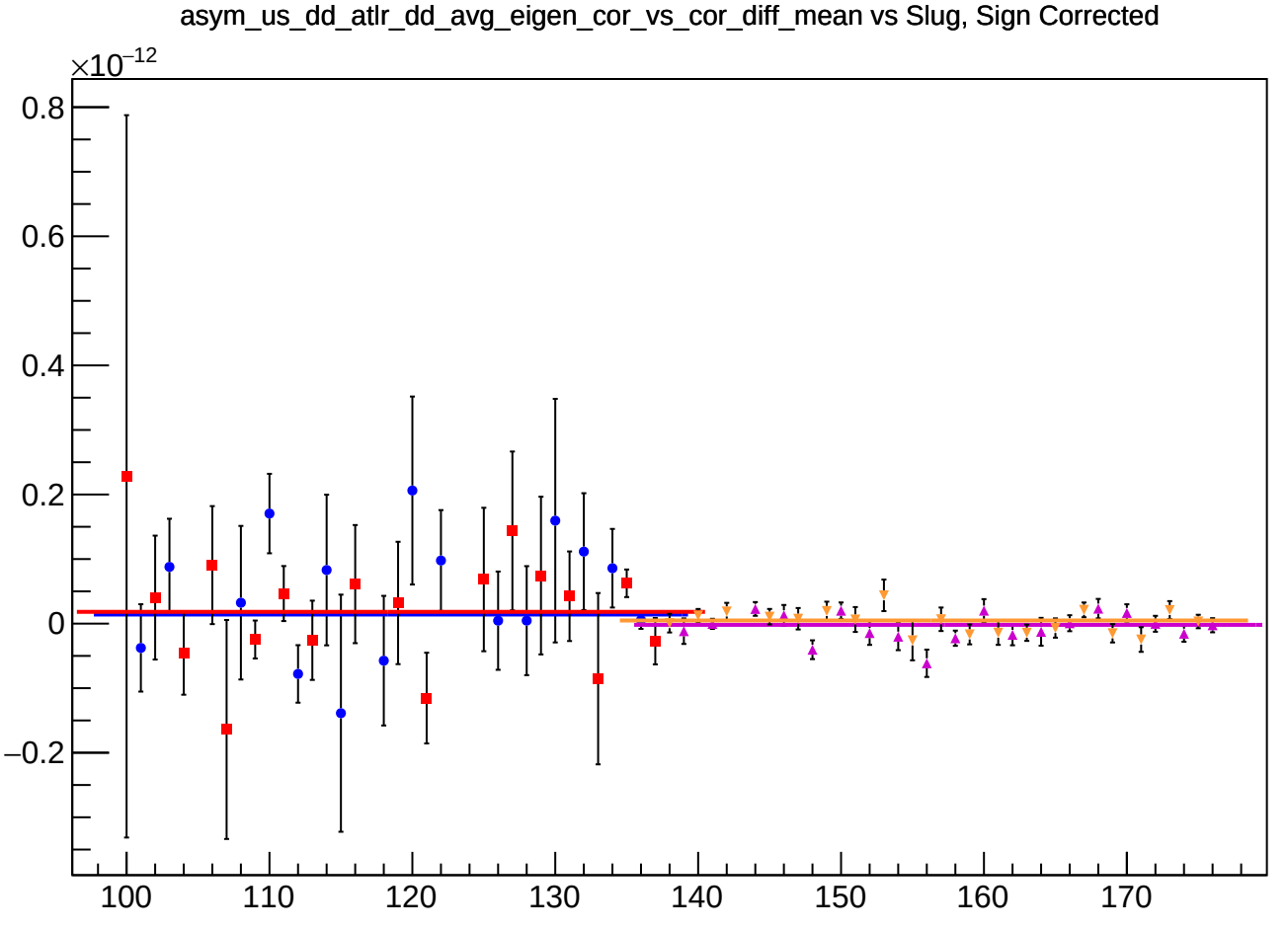
Left: 47.272+/-0.007 χ^2/NDF: 5277606.2/37

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.050+/-0.008 χ^2/NDF:5353519.4/34

Out: 48.882+/-0.008 χ^2/NDF:4513336.8/36

All: 48.451+/-0.006 χ^2/NDF: 9871882.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:37.3/18

Left: 0.000+/-0.000 χ^2/NDF: 59.7/37

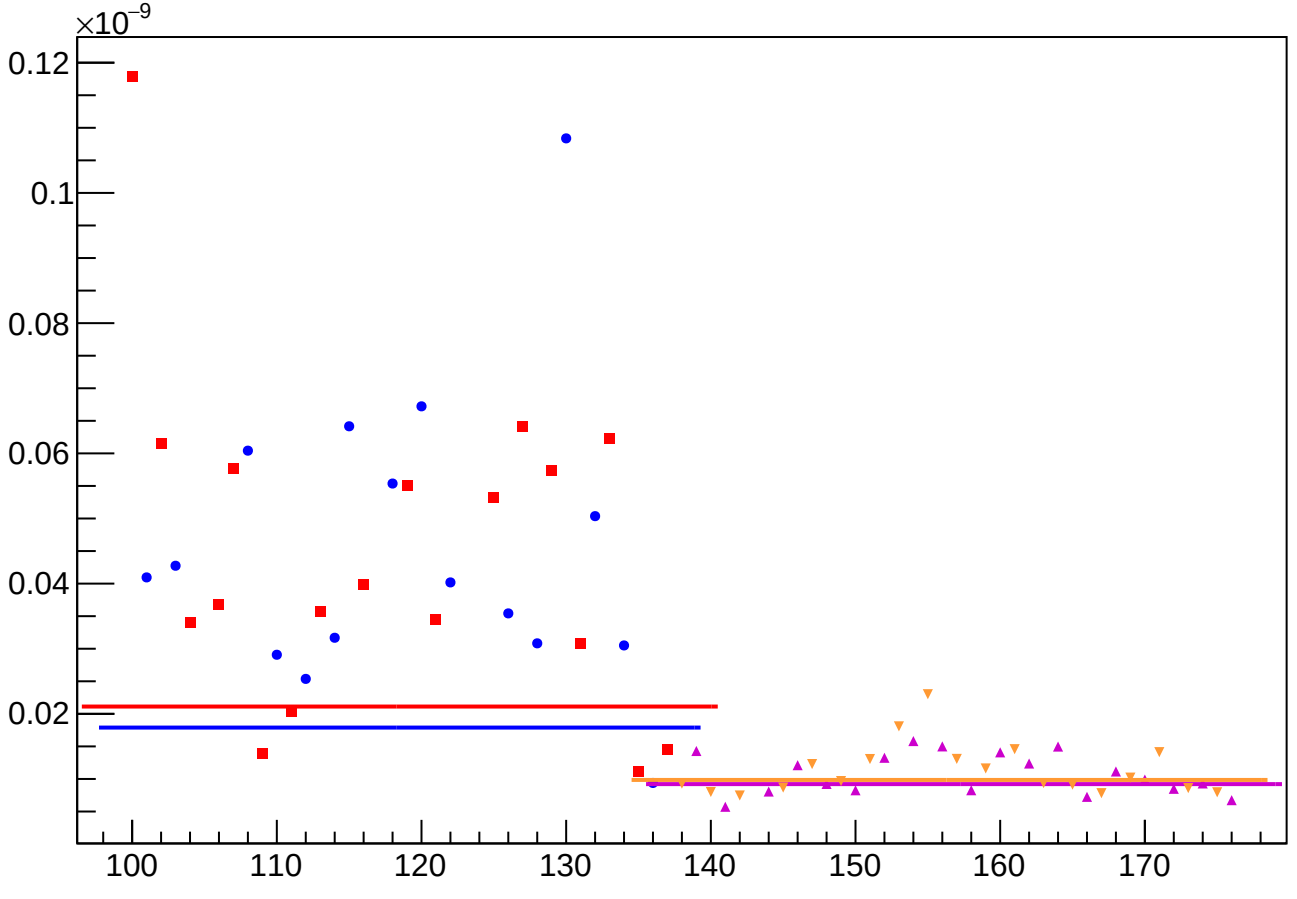
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:59.5/34

Out: 0.000+/-0.000 χ^2/NDF:39.3/36

All: 0.000+/-0.000 χ^2/NDF: 101.0/71

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:1310881.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1650222.3/18

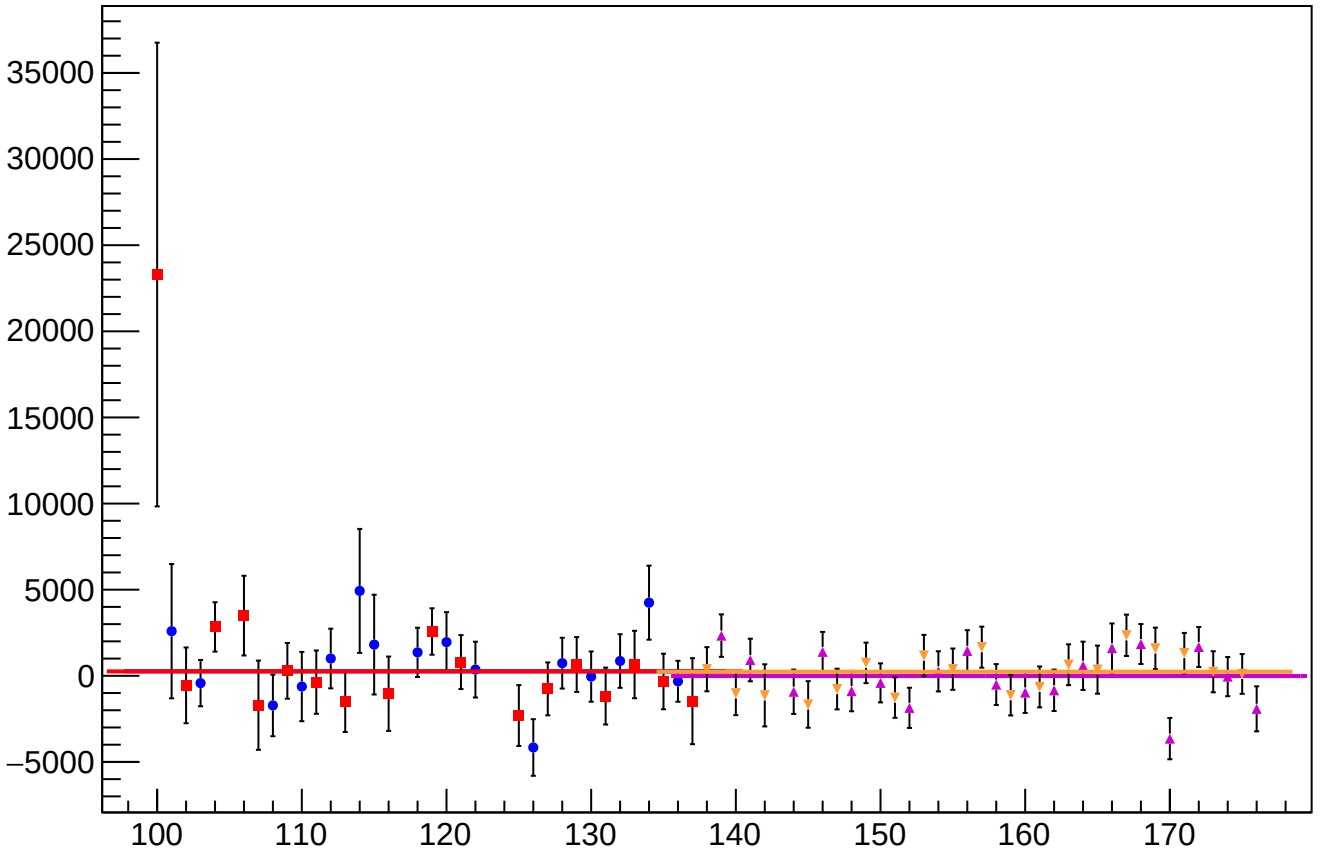
Left: 0.000+/-0.000 χ^2/NDF: 3001194.2/37

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6142867.2/34

Out: 0.000+/-0.000 χ^2/NDF:5444360.9/36

All: 0.000+/-0.000 χ^2/NDF: 11648972.4/71



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.574+/-282.032 χ^2/NDF:15.4/18

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -12.753+/-277.626 χ^2/NDF:29.6/18

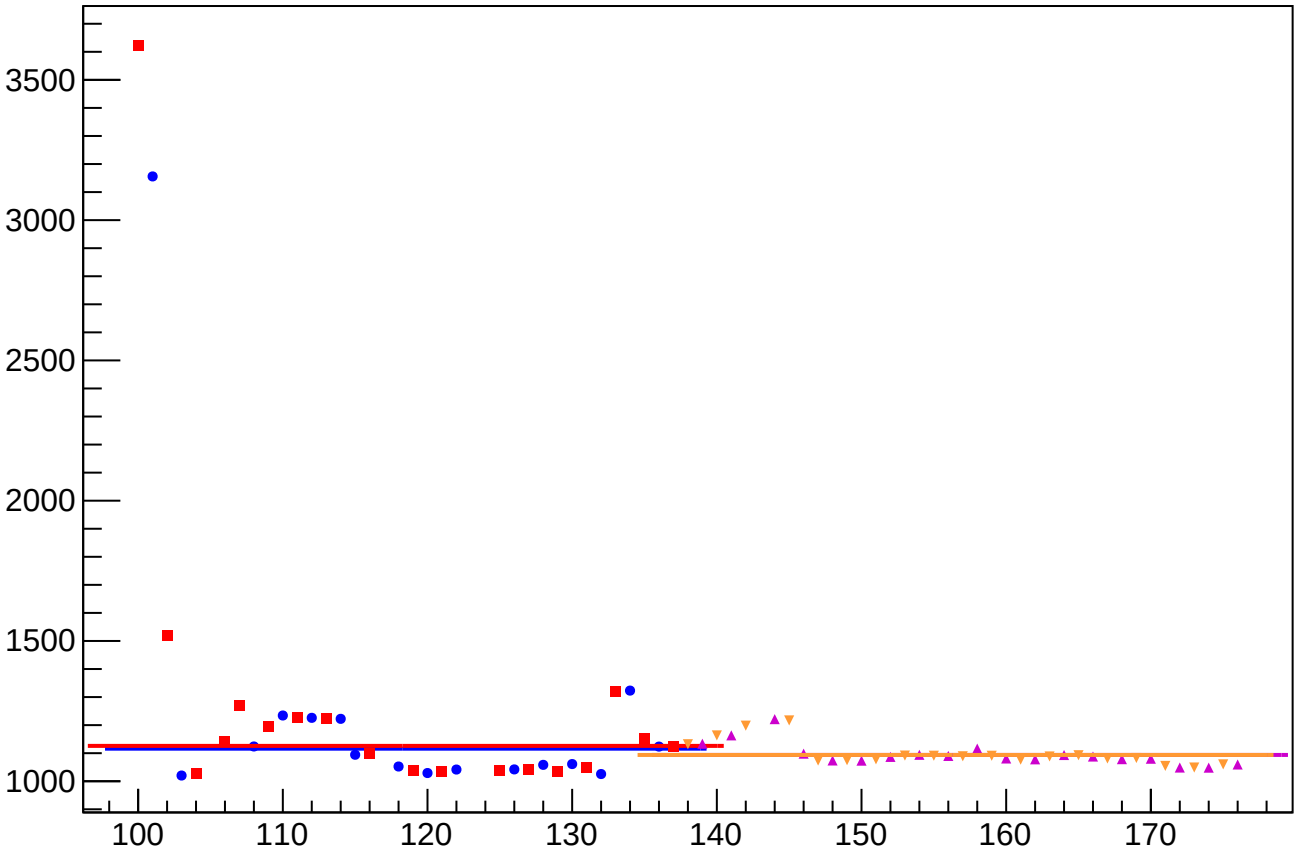
Left: 109.948+/-197.851 χ^2/NDF: 45.4/37

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 69.156+/-232.373 χ^2/NDF:46.8/34

Out: 242.478+/-235.129 χ^2/NDF:32.8/36

All: 154.795+/-165.278 χ^2/NDF: 79.9/71



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

Left: 1093.730+/-0.140 χ^2/NDF: 79044.6/37

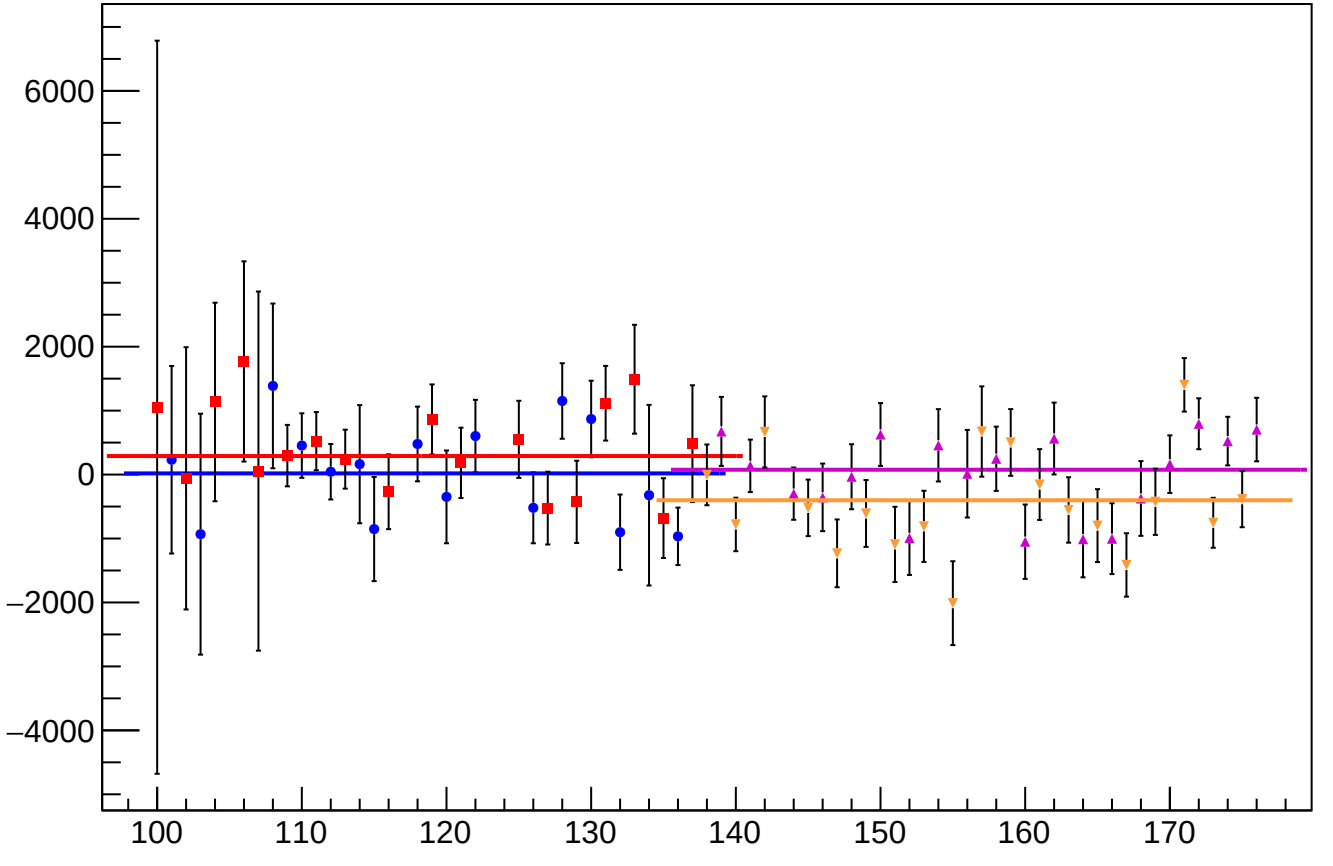
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1100.437+/-0.164 χ^2/NDF:666129.7/34

Out: 1103.563+/-0.166 χ^2/NDF:270291.5/36

All: 1101.982+/-0.117 χ^2/NDF: 936599.9/71

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -401.334+/-115.256 χ^2/NDF:45.5/18

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 75.552+/-114.346 χ^2/NDF:26.5/18

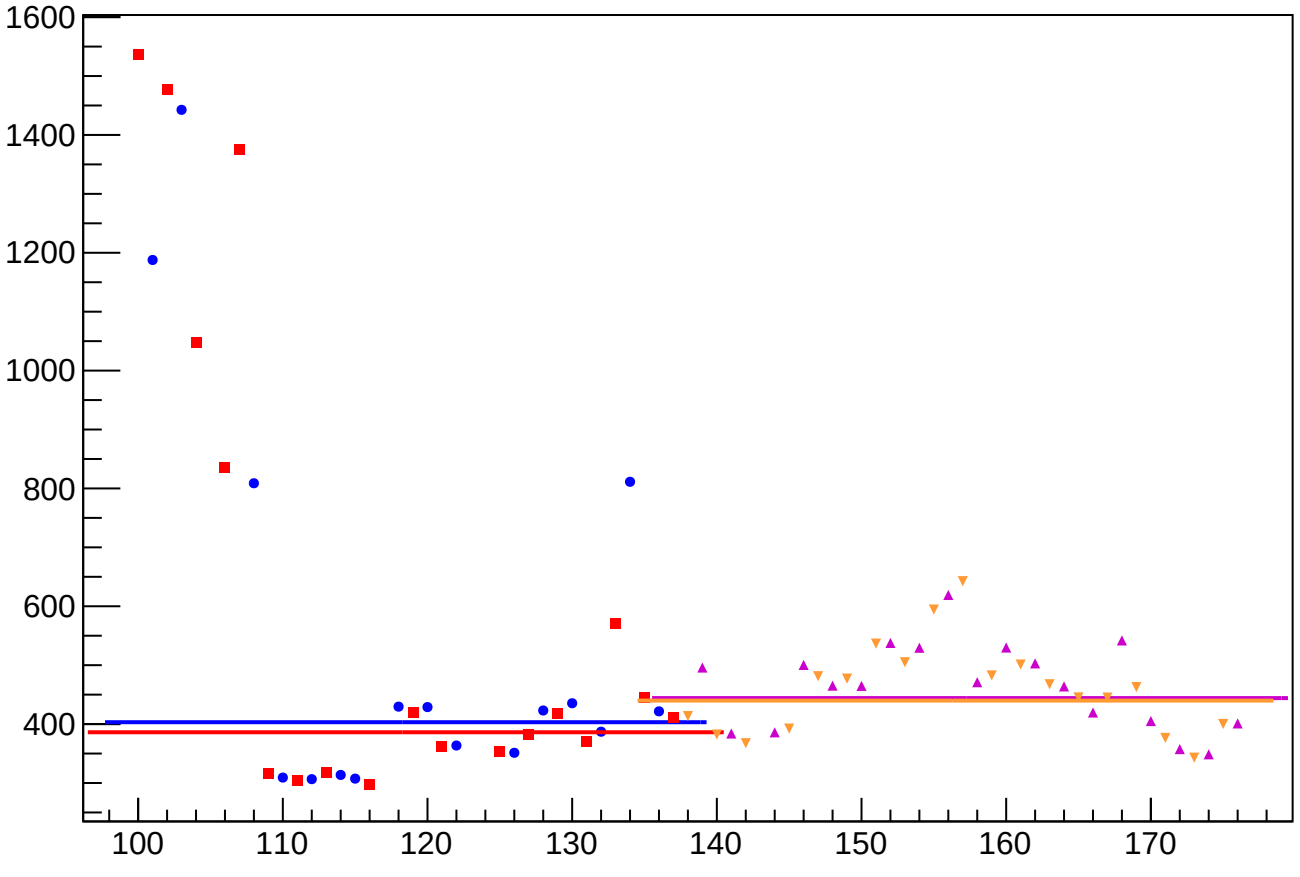
Left: -161.000+/-81.175 χ^2/NDF: 80.6/37

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 56.449+/-93.272 χ^2/NDF:45.8/34

Out: -157.618+/-92.740 χ^2/NDF:71.7/36

All: -51.196+/-65.764 χ^2/NDF: 120.1/71



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.879+/-0.081 χ^2/NDF:713870.1/18

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 444.129+/-0.081 χ^2/NDF:744335.0/18

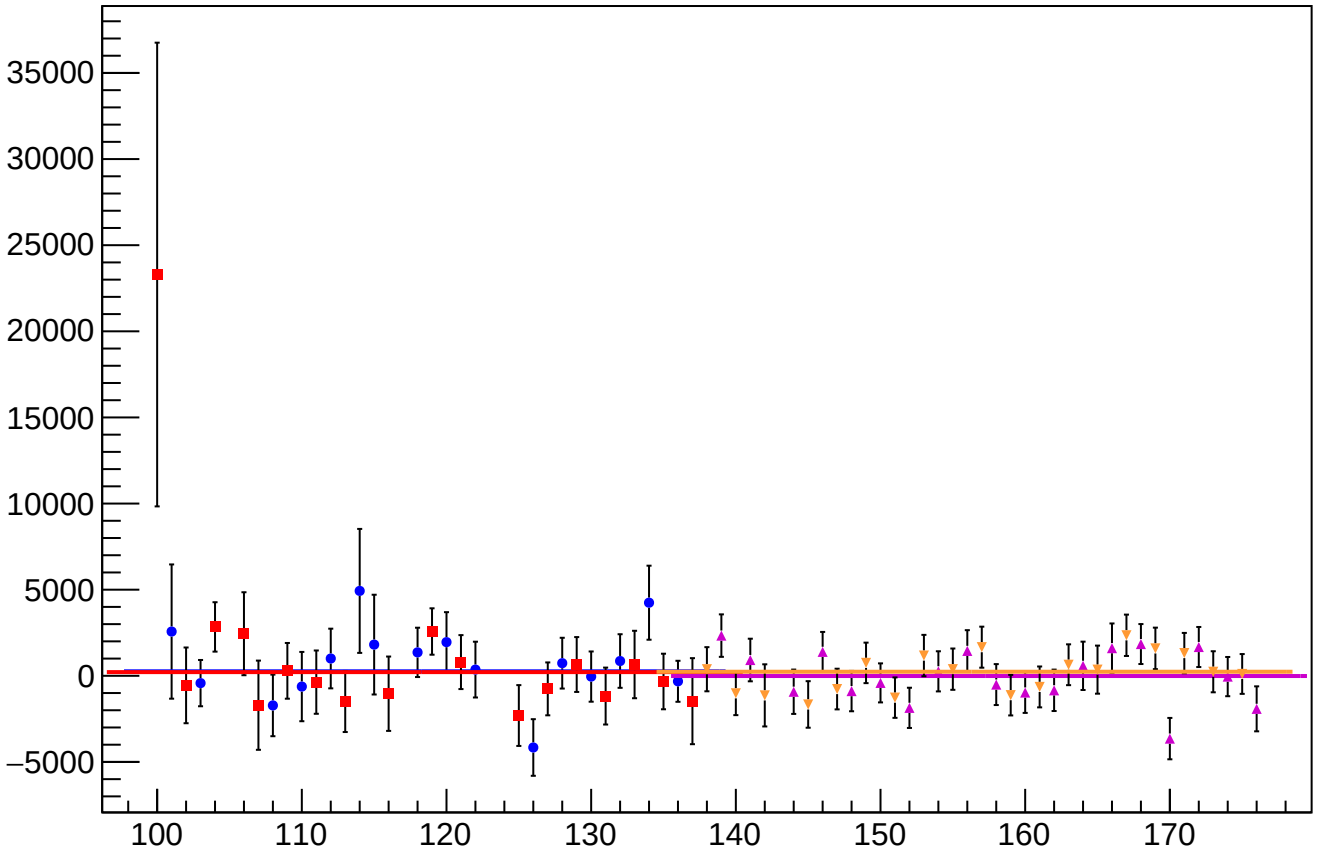
Left: 442.021+/-0.057 χ^2/NDF: 1459575.2/37

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 430.431+/-0.066 χ^2/NDF:2638538.6/34

Out: 420.935+/-0.066 χ^2/NDF:2626239.3/36

All: 425.656+/-0.047 χ^2/NDF: 5275201.1/71



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -12.754+/-277.626 χ^2/NDF:29.6/18

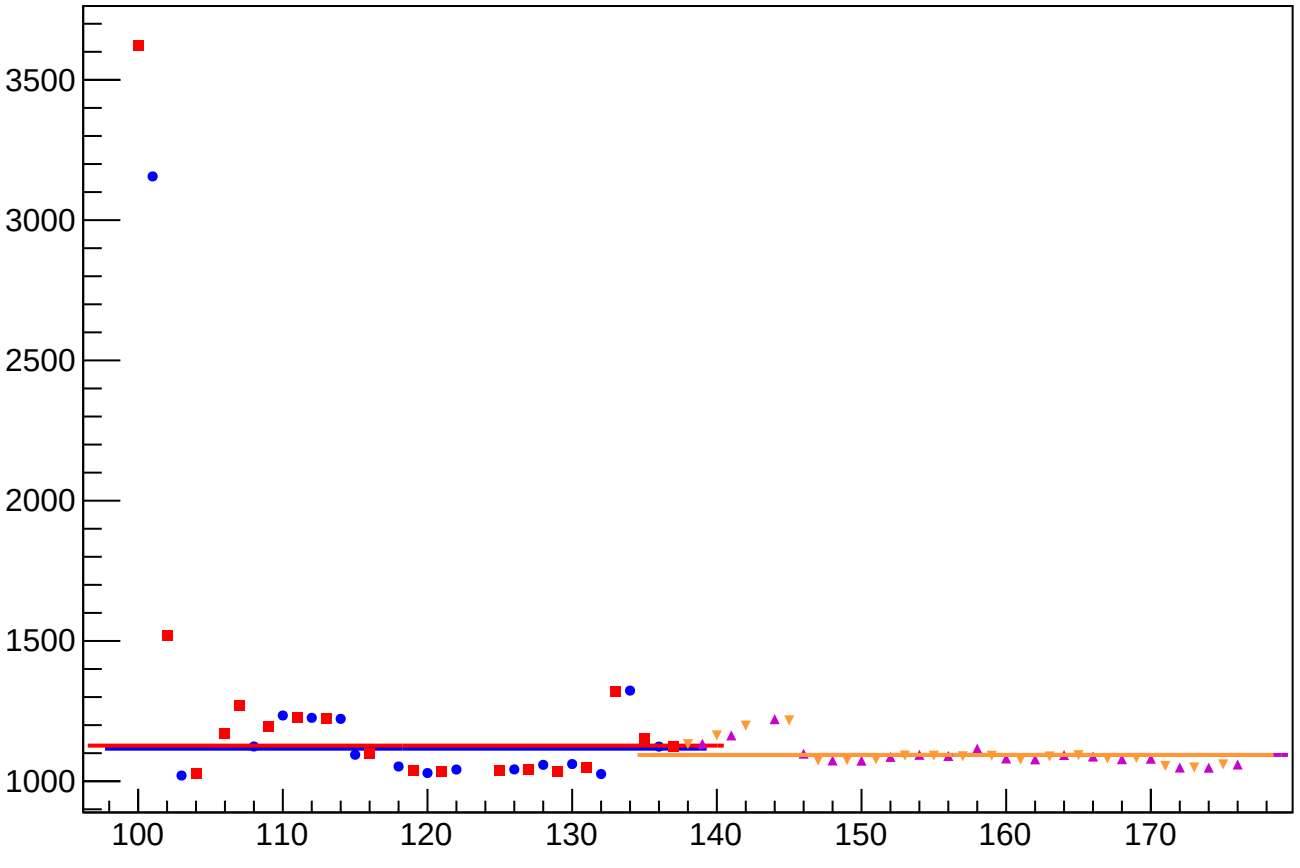
Left: 109.940+/-197.851 χ^2/NDF: 45.4/37

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 69.041+/-232.373 χ^2/NDF:46.8/34

Out: 229.844+/-235.222 χ^2/NDF:31.7/36

All: 148.463+/-165.311 χ^2/NDF: 78.7/71



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

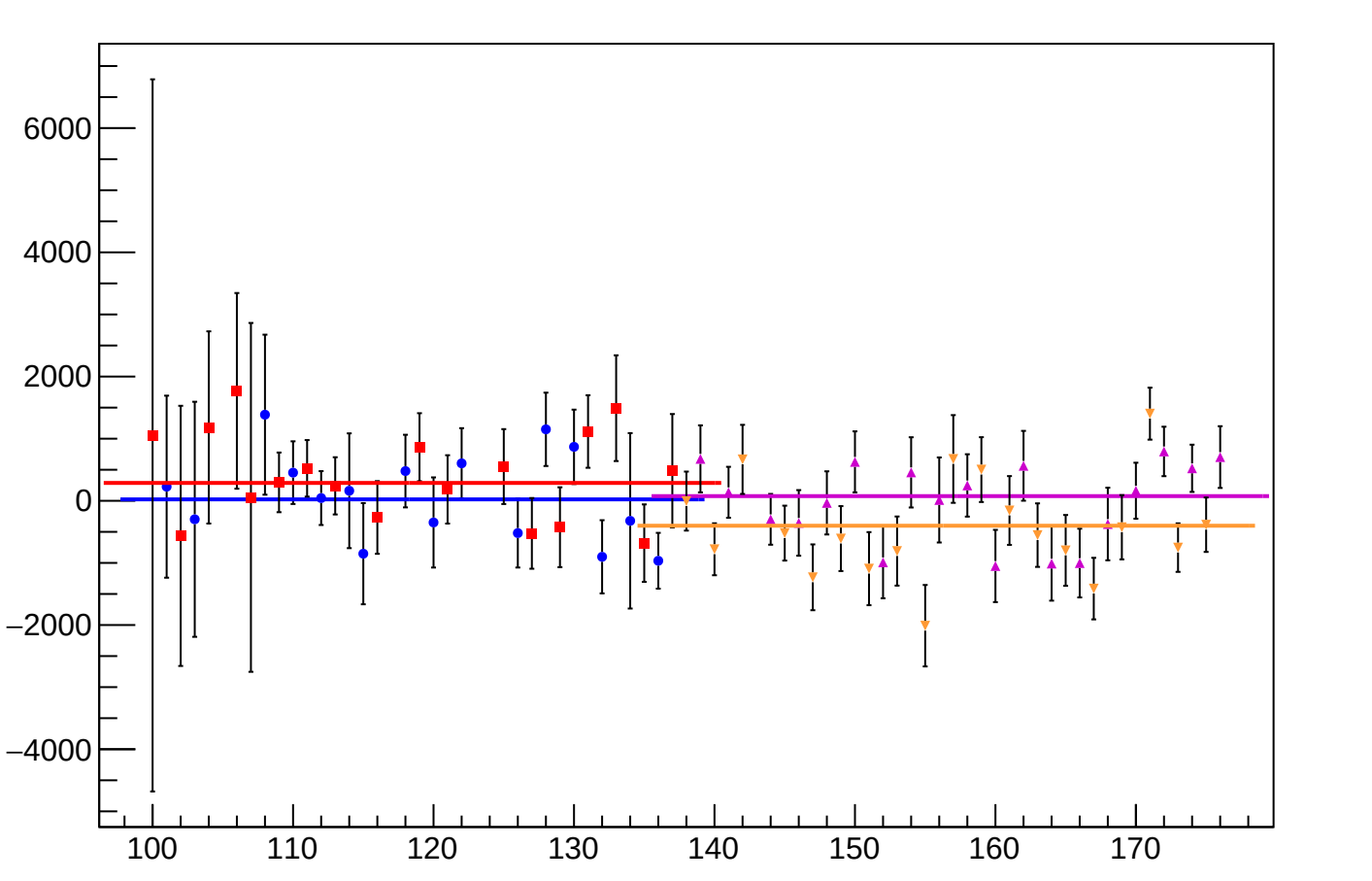
Left: 1093.730+/-0.140 χ^2/NDF: 79044.6/37

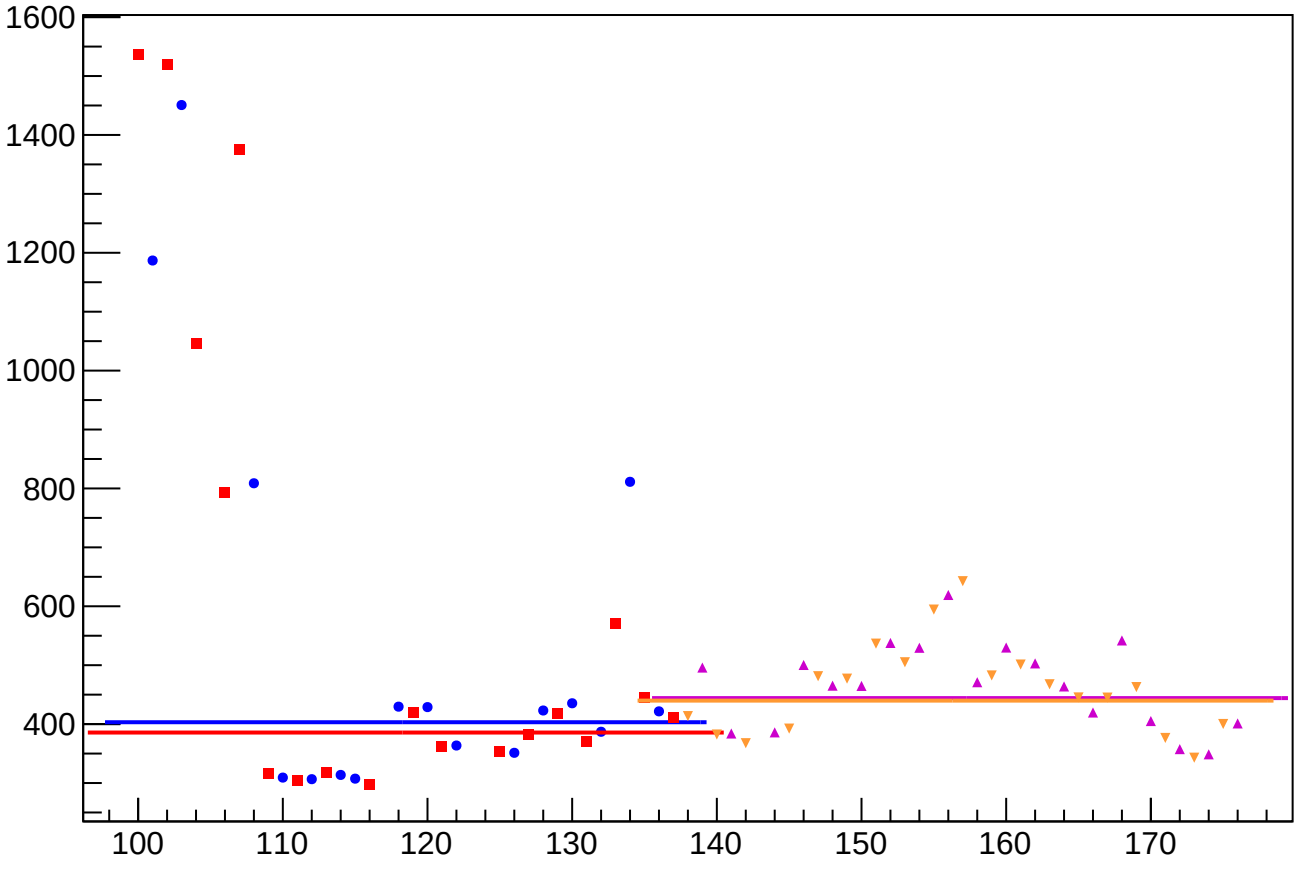
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1100.437+/-0.164 χ^2/NDF:666130.6/34

Out: 1103.832+/-0.166 χ^2/NDF:271385.2/36

All: 1102.114+/-0.117 χ^2/NDF: 937726.6/71


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -401.389+/-115.256 χ²/NDF:45.5/18
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 75.538+/-114.346 χ²/NDF:26.5/18
Left: -161.036+/-81.175 χ²/NDF: 80.6/37
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 57.932+/-93.272 χ²/NDF:45.5/34
Out: -158.524+/-92.744 χ²/NDF:71.7/36
All: -50.911+/-65.766 χ²/NDF: 120.0/71



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

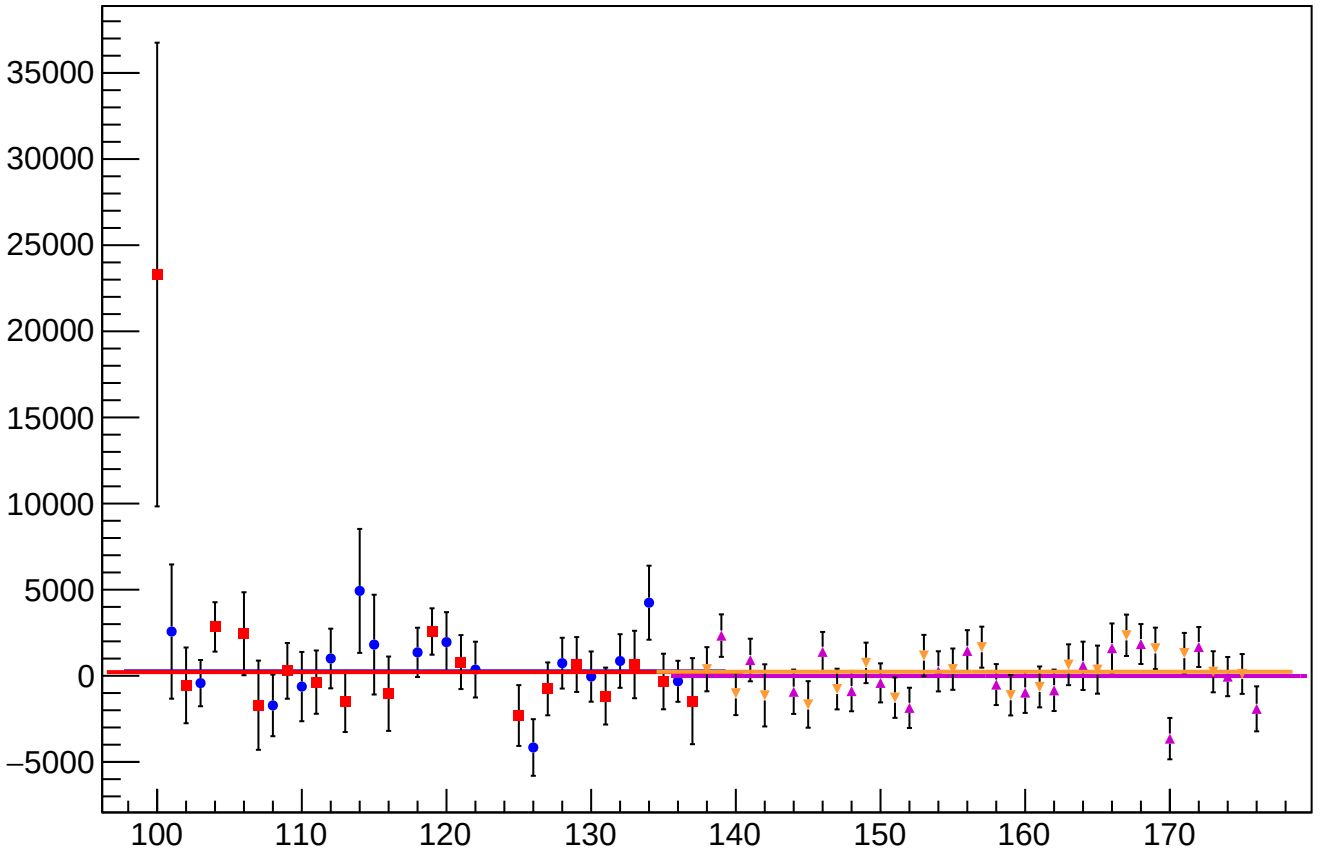
Left: 442.020+/-0.057 χ^2/NDF: 1459531.3/37

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.428+/-0.066 χ^2/NDF:2642156.6/34

Out: 420.773+/-0.066 χ^2/NDF:2616955.0/36

All: 425.573+/-0.047 χ^2/NDF: 5269887.8/71



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 236.558+/-282.032 χ^2/NDF:15.4/18

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -12.754+/-277.626 χ^2/NDF:29.6/18

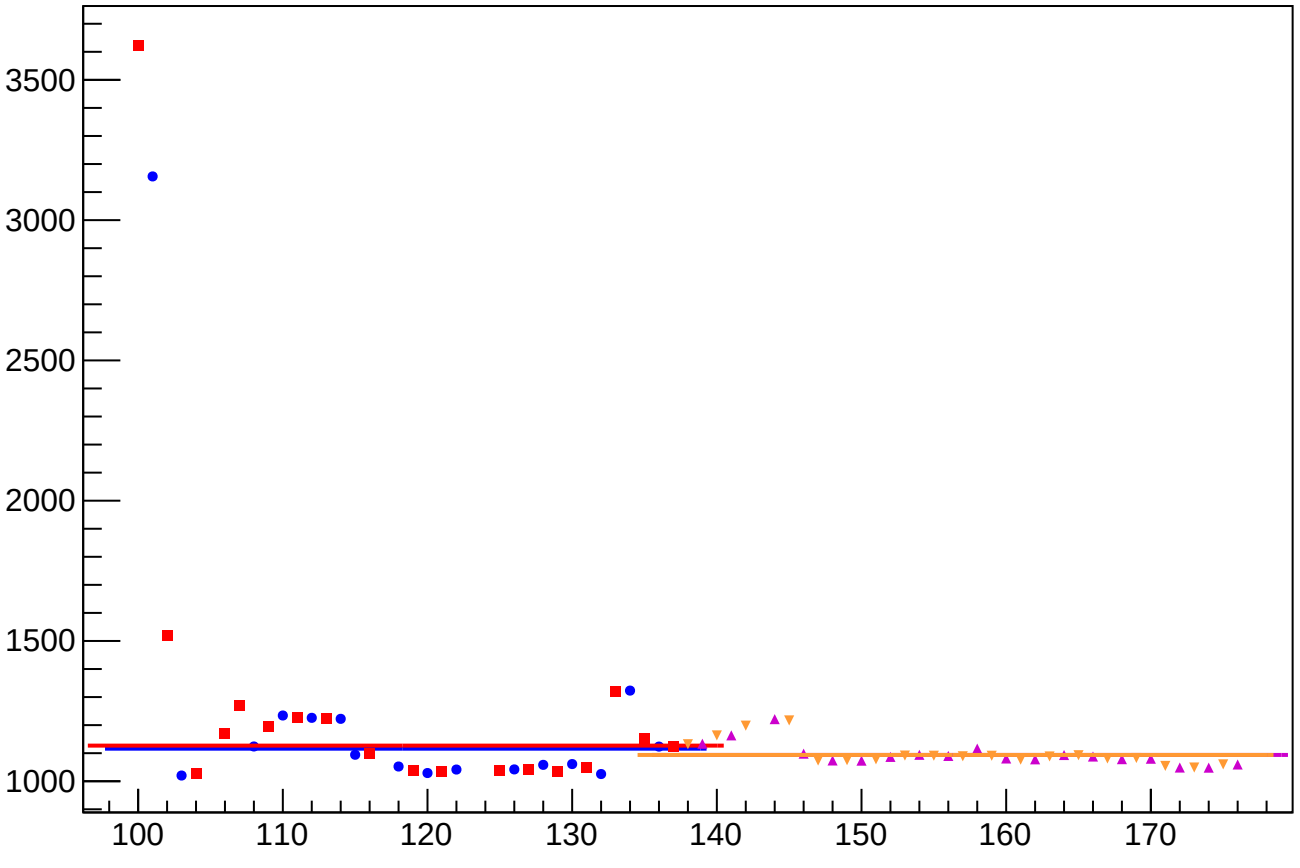
Left: 109.940+/-197.851 χ^2/NDF: 45.4/37

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 69.041+/-232.373 χ^2/NDF:46.8/34

Out: 229.844+/-235.222 χ^2/NDF:31.7/36

All: 148.463+/-165.311 χ^2/NDF: 78.7/71



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1093.712+/-0.199 χ^2/NDF:40183.9/18

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

Left: 1093.730+/-0.140 χ^2/NDF: 79044.6/37

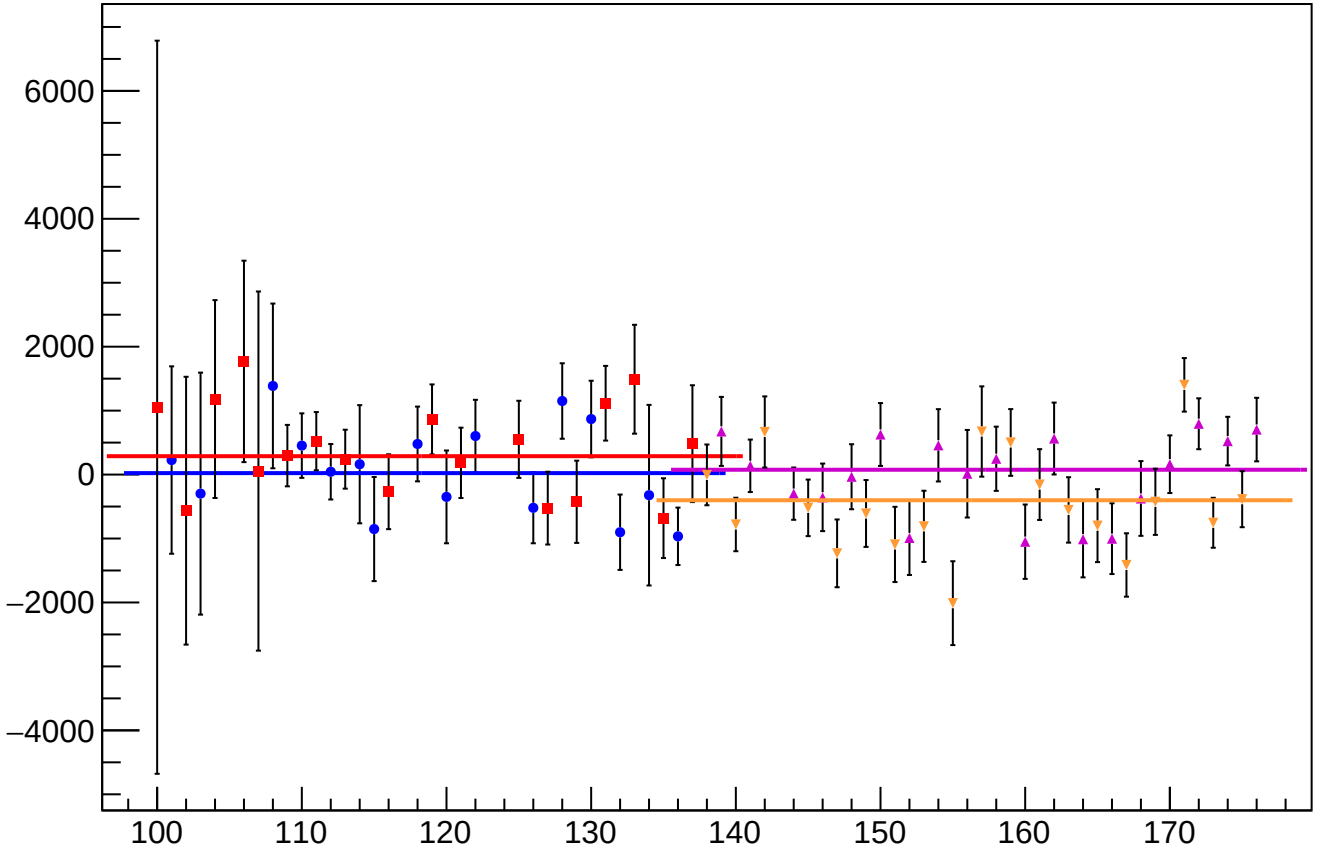
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1100.437+/-0.164 χ^2/NDF:666130.6/34

Out: 1103.832+/-0.166 χ^2/NDF:271385.2/36

All: 1102.114+/-0.117 χ^2/NDF: 937726.6/71

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: -401.389+/-115.256 χ^2/NDF:45.5/18

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 75.538+/-114.346 χ^2/NDF:26.5/18

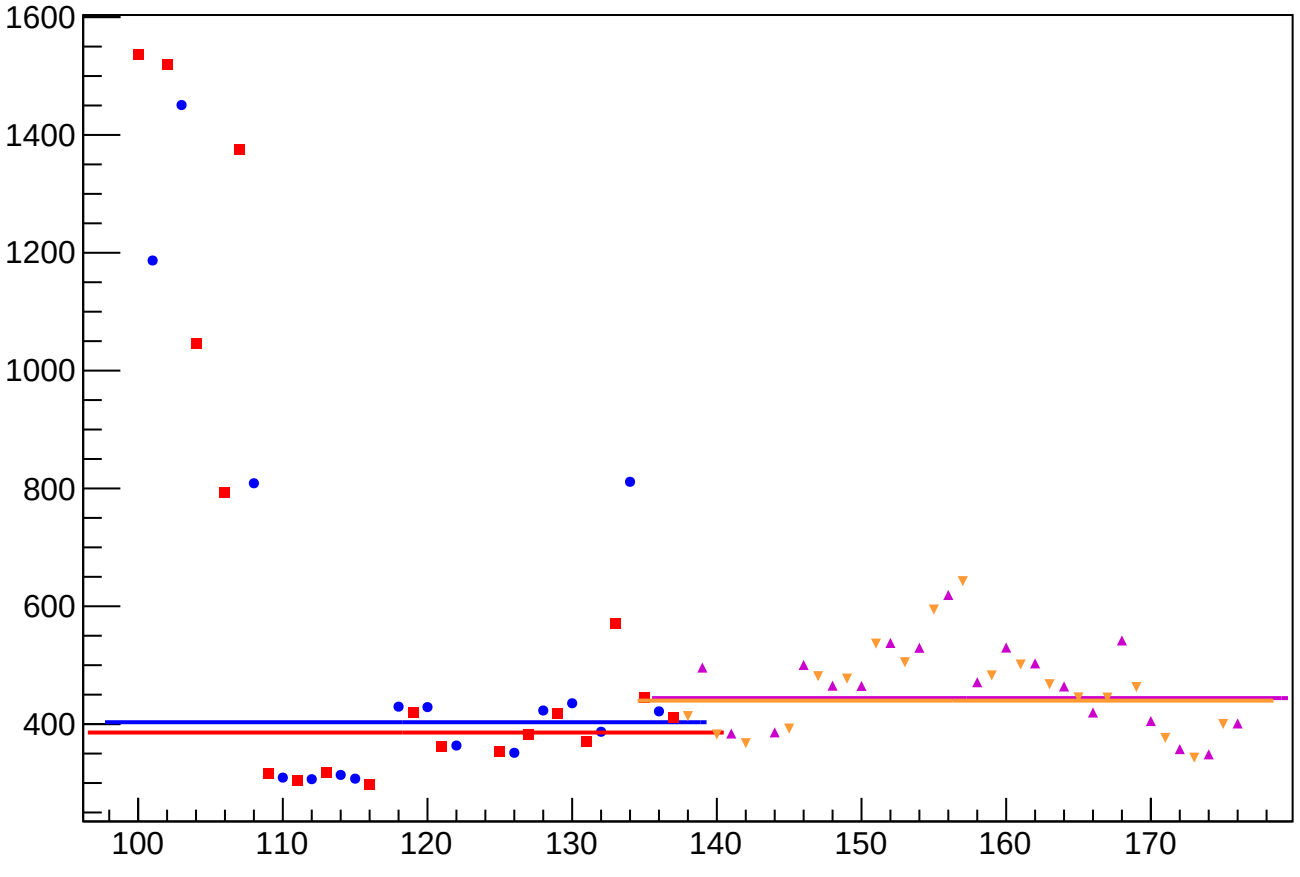
Left: -161.036+/-81.175 χ^2/NDF: 80.6/37

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 57.932+/-93.272 χ^2/NDF:45.5/34

Out: -158.524+/-92.744 χ^2/NDF:71.7/36

All: -50.911+/-65.766 χ^2/NDF: 120.0/71



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.875+/-0.081 χ^2/NDF:713938.7/18

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

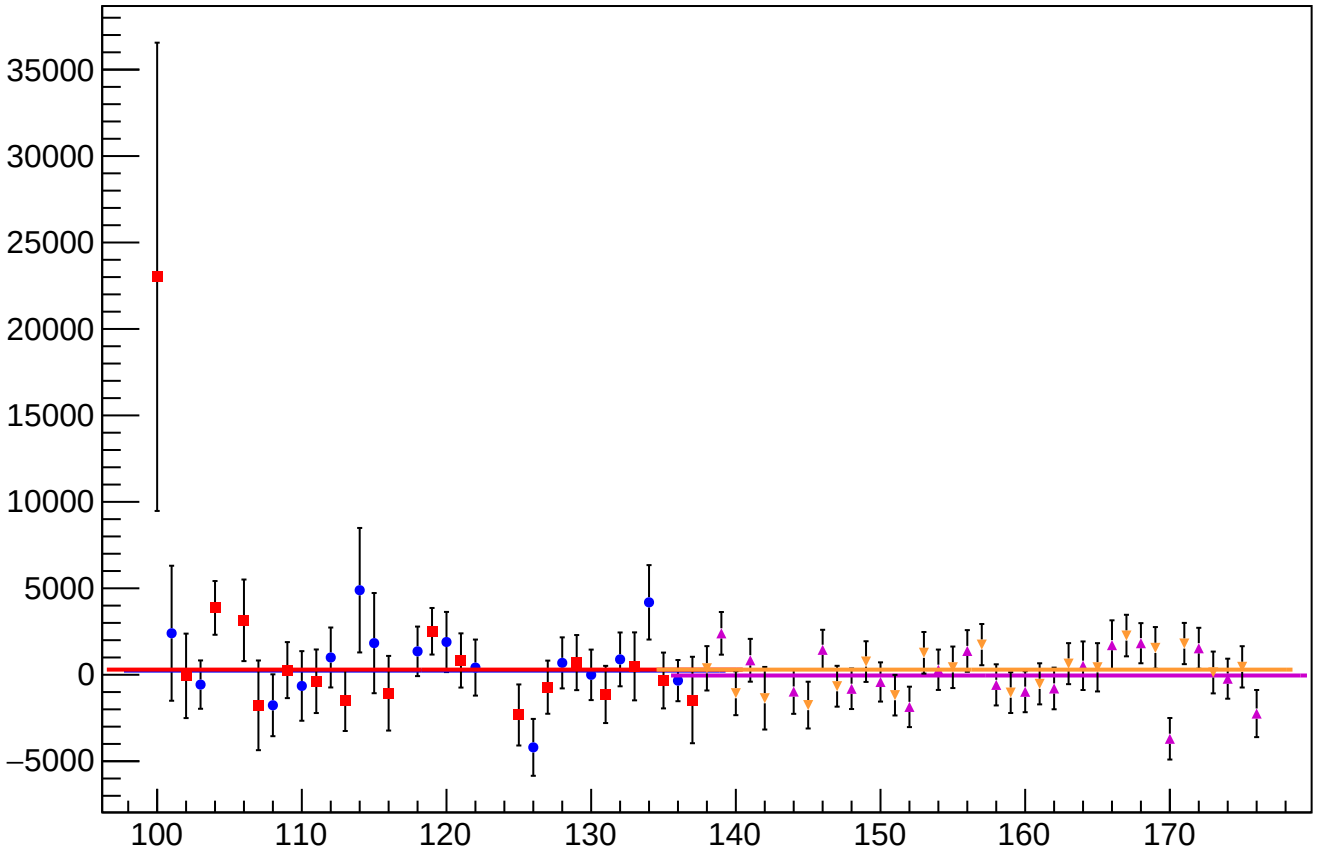
Left: 442.020+/-0.057 χ^2/NDF: 1459531.3/37

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.428+/-0.066 χ^2/NDF:2642156.6/34

Out: 420.773+/-0.066 χ^2/NDF:2616955.0/36

All: 425.573+/-0.047 χ^2/NDF: 5269887.8/71



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.180+/-283.360 χ^2/NDF:16.1/18

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -42.380+/-278.923 χ^2/NDF:30.2/18

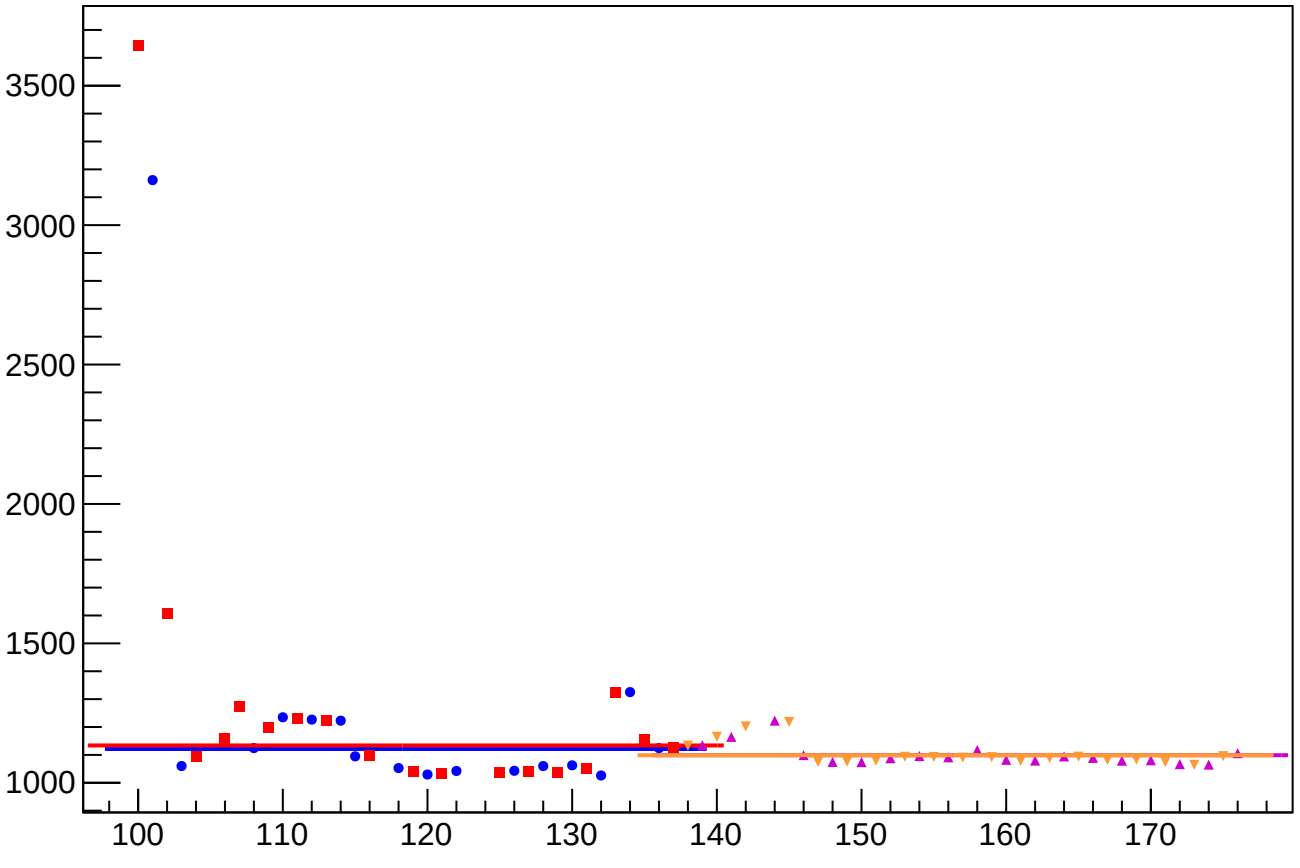
Left: 124.721+/-198.778 χ^2/NDF: 47.0/37

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 42.434+/-233.451 χ^2/NDF:47.4/34

Out: 297.706+/-236.734 χ^2/NDF:34.8/36

All: 168.288+/-166.223 χ^2/NDF: 82.8/71



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.6/18

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.4/18

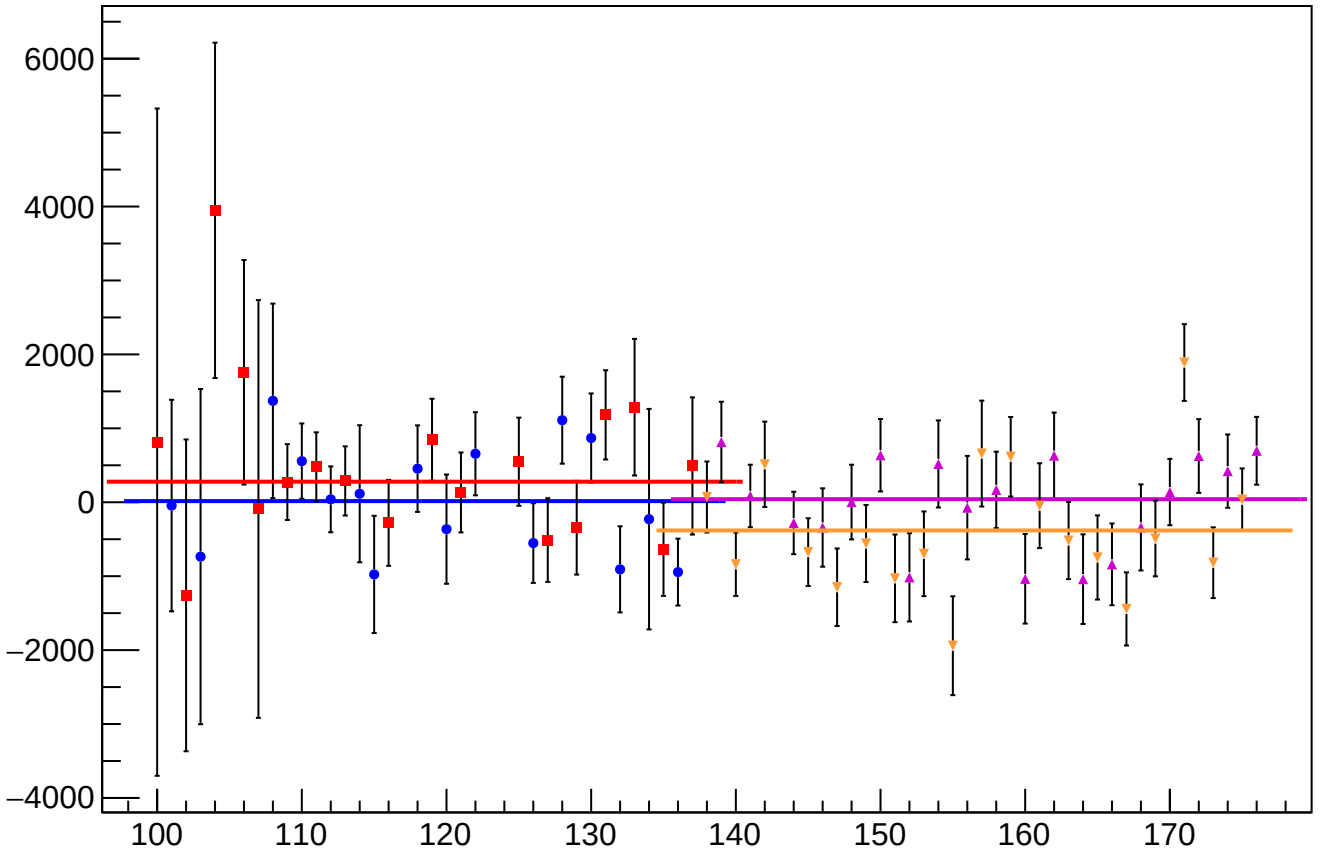
Left: 1098.933+/-0.141 χ^2/NDF: 68959.0/37

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.635+/-0.165 χ^2/NDF:654497.6/34

Out: 1109.496+/-0.167 χ^2/NDF:272012.1/36

All: 1107.539+/-0.118 χ^2/NDF: 926779.4/71



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -381.378+/-119.719 χ^2/NDF:46.0/18

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 41.185+/-119.425 χ^2/NDF:22.9/18

Left: -169.577+/-84.550 χ^2/NDF: 75.1/37

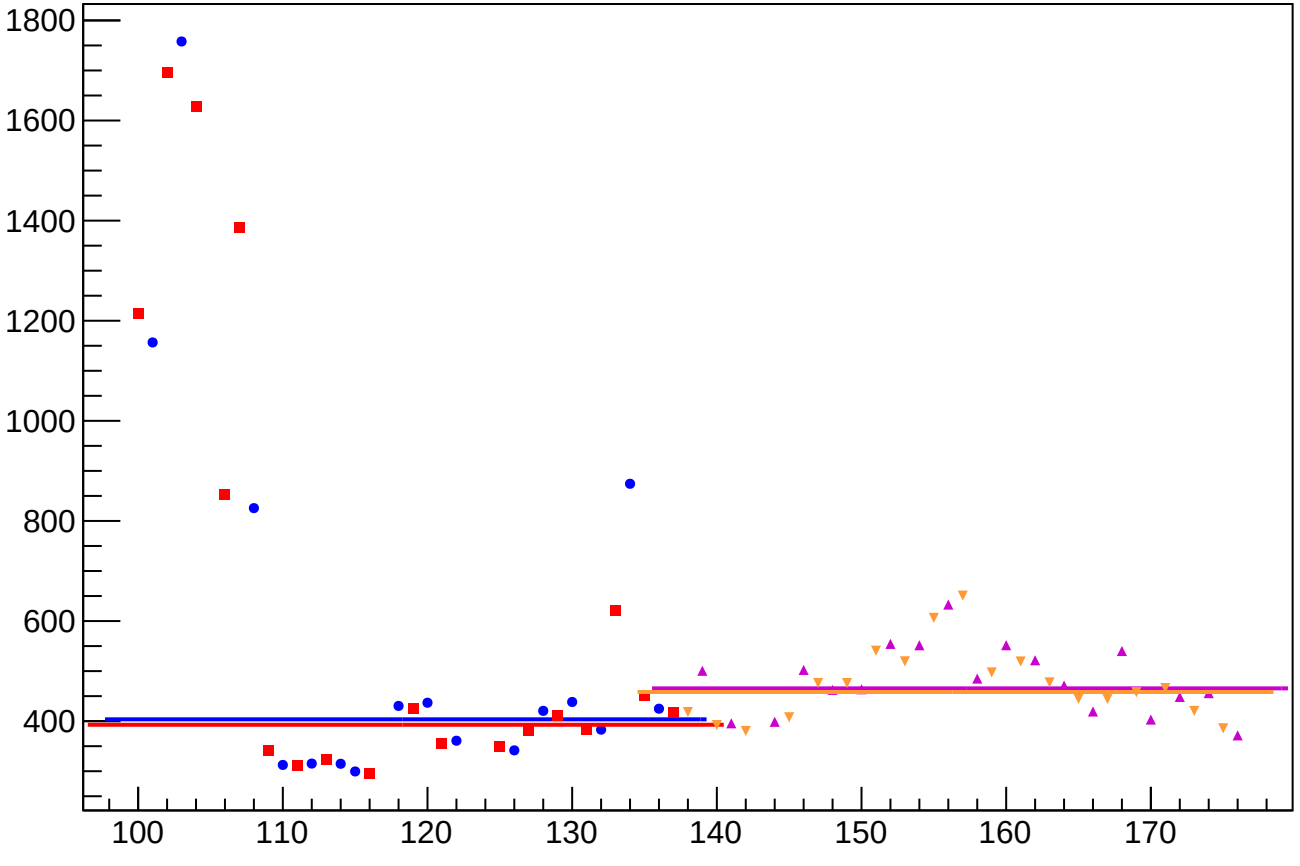
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 32.057+/-96.095 χ^2/NDF:42.5/34

Out: -142.387+/-95.602 χ^2/NDF:72.1/36

All: -55.614+/-67.775 χ^2/NDF: 116.2/71

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: 458.261+/-0.085 χ^2/NDF:541724.9/18

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 465.521+/-0.084 χ^2/NDF:558871.2/18

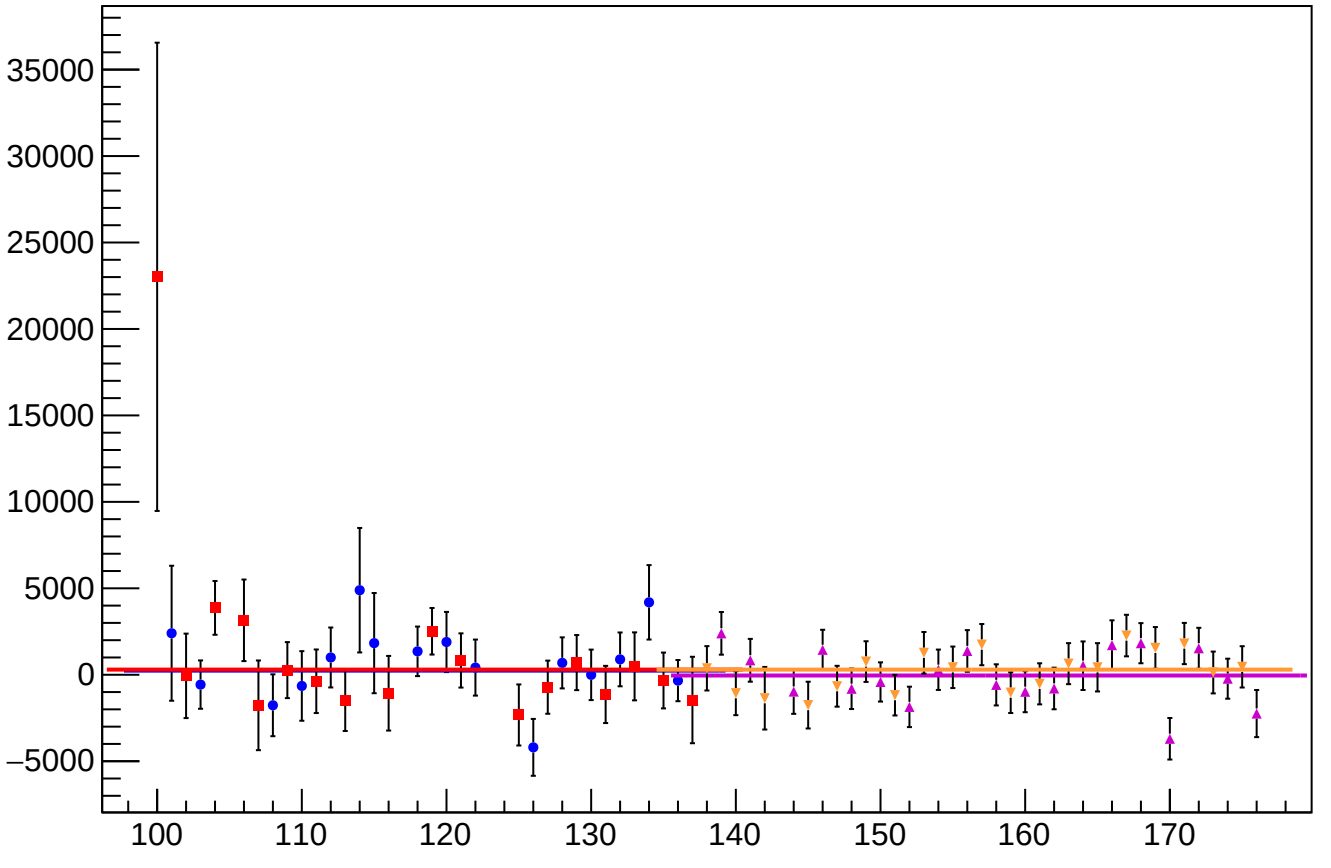
Left: 461.900+/-0.060 χ^2/NDF: 1104282.2/37

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 443.711+/-0.068 χ^2/NDF:2677675.9/34

Out: 434.551+/-0.068 χ^2/NDF:2961694.8/36

All: 439.108+/-0.048 χ^2/NDF: 5648503.5/71



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.177+/-283.360 χ^2/NDF:16.1/18

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -42.379+/-278.923 χ^2/NDF:30.2/18

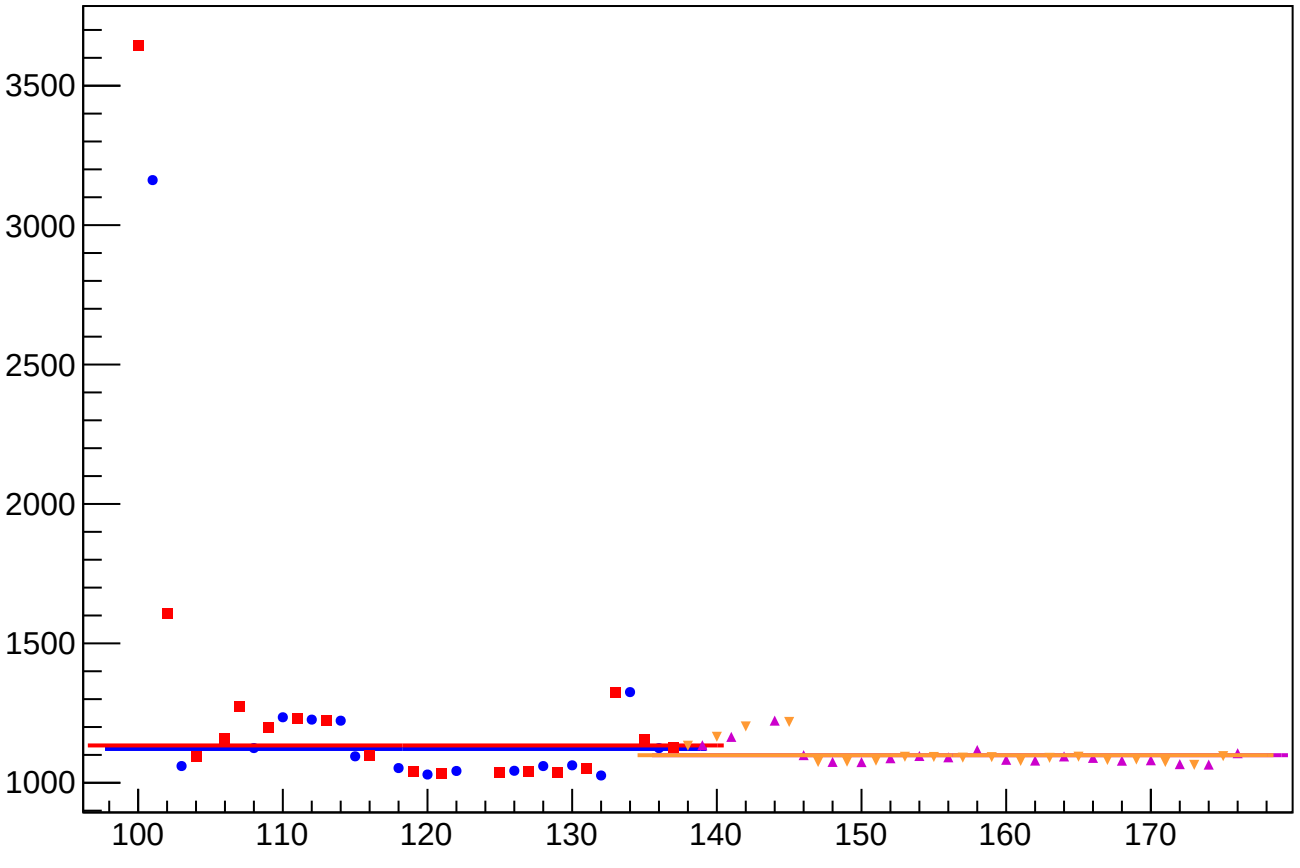
Left: 124.720+/-198.778 χ^2/NDF: 47.0/37

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 42.436+/-233.451 χ^2/NDF:47.4/34

Out: 297.704+/-236.734 χ^2/NDF:34.8/36

All: 168.288+/-166.223 χ^2/NDF: 82.8/71



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1098.924+/-0.200 χ^2/NDF:35336.9/18

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.7/18

Left: 1098.932+/-0.141 χ^2/NDF: 68959.5/37

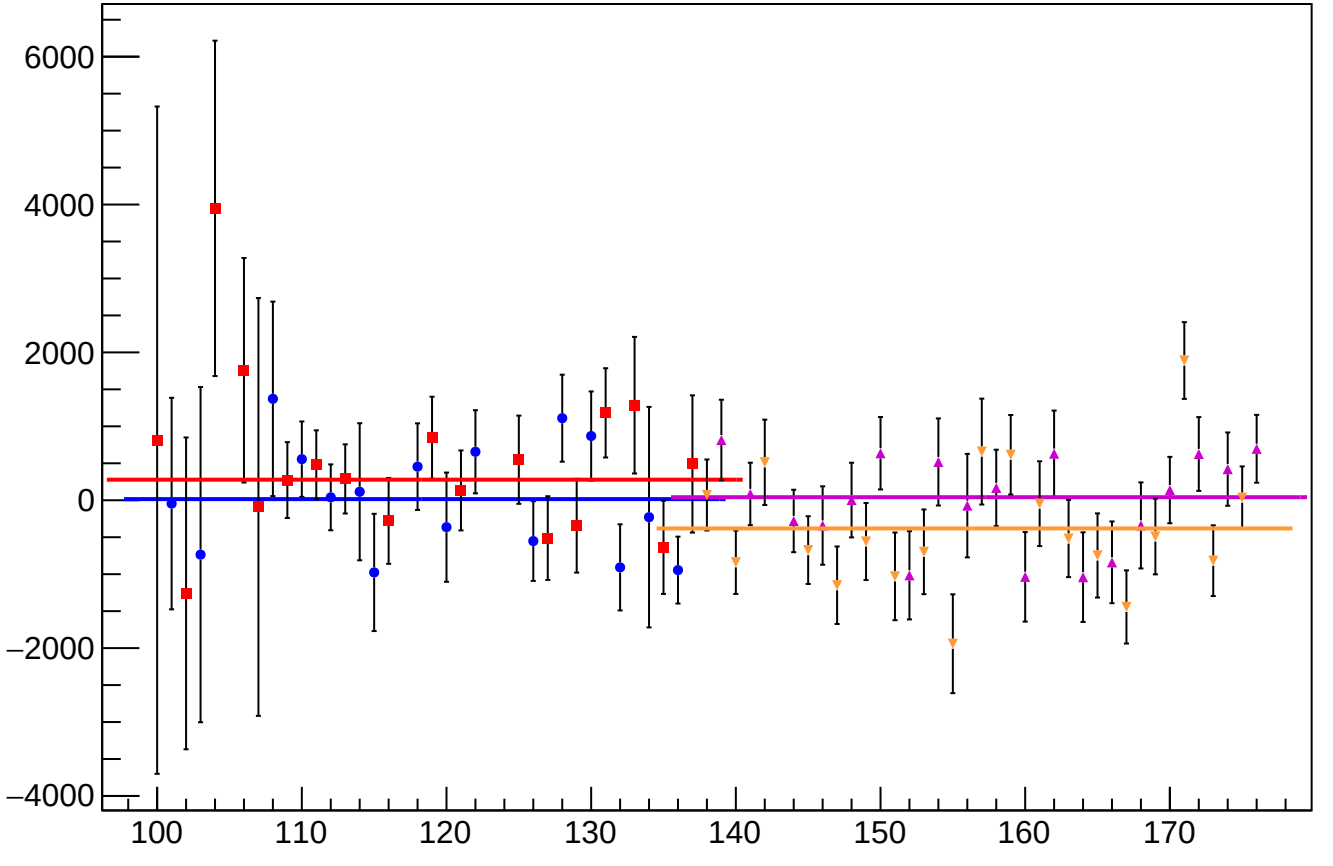
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.635+/-0.165 χ^2/NDF:654497.9/34

Out: 1109.496+/-0.167 χ^2/NDF:272012.5/36

All: 1107.539+/-0.118 χ^2/NDF: 926780.0/71

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -381.379+/-119.719 χ^2/NDF:46.0/18

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 41.186+/-119.425 χ^2/NDF:22.9/18

Left: -169.578+/-84.550 χ^2/NDF: 75.1/37

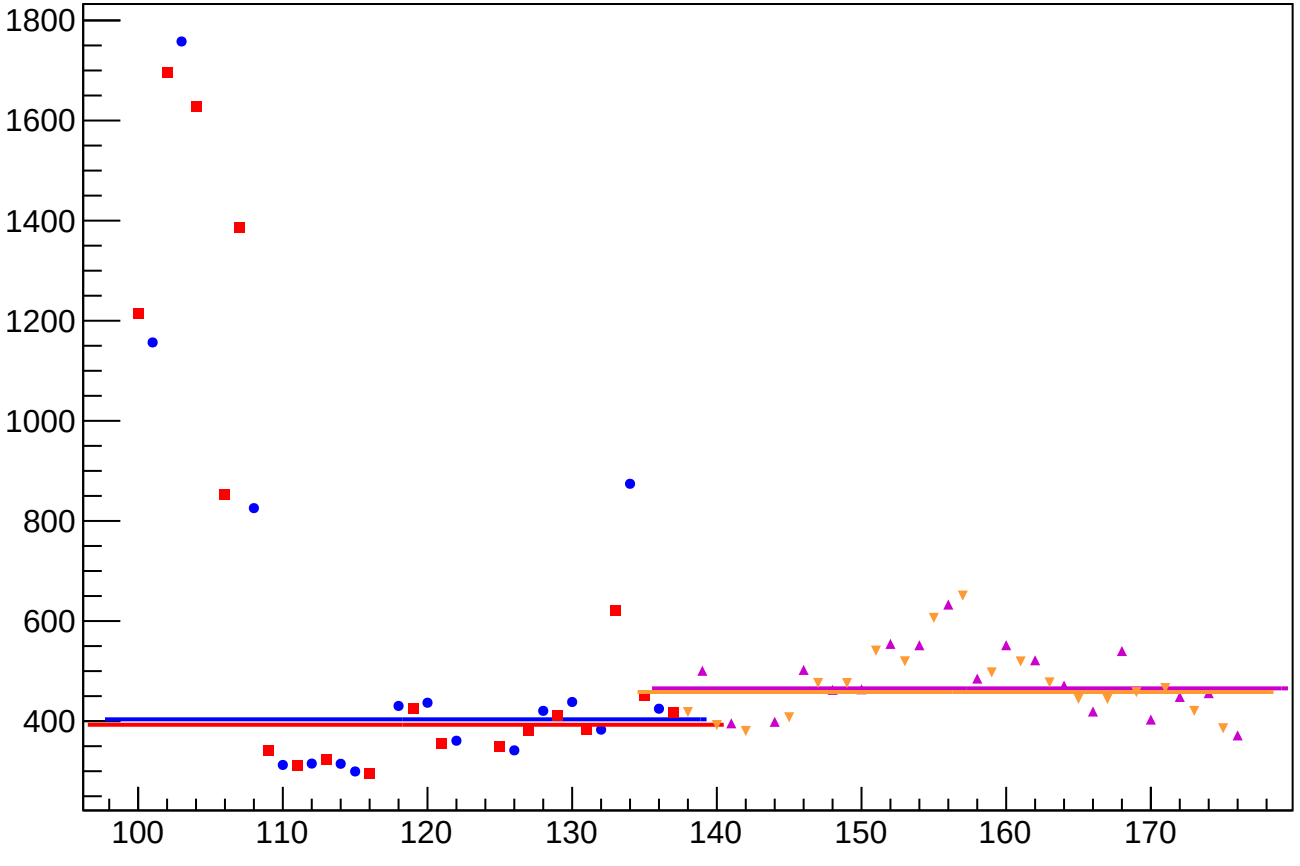
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 32.056+/-96.095 χ^2/NDF:42.5/34

Out: -142.387+/-95.602 χ^2/NDF:72.1/36

All: -55.615+/-67.774 χ^2/NDF: 116.2/71

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: 458.261+/-0.085 χ^2/NDF:541748.1/18

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 465.521+/-0.084 χ^2/NDF:558881.1/18

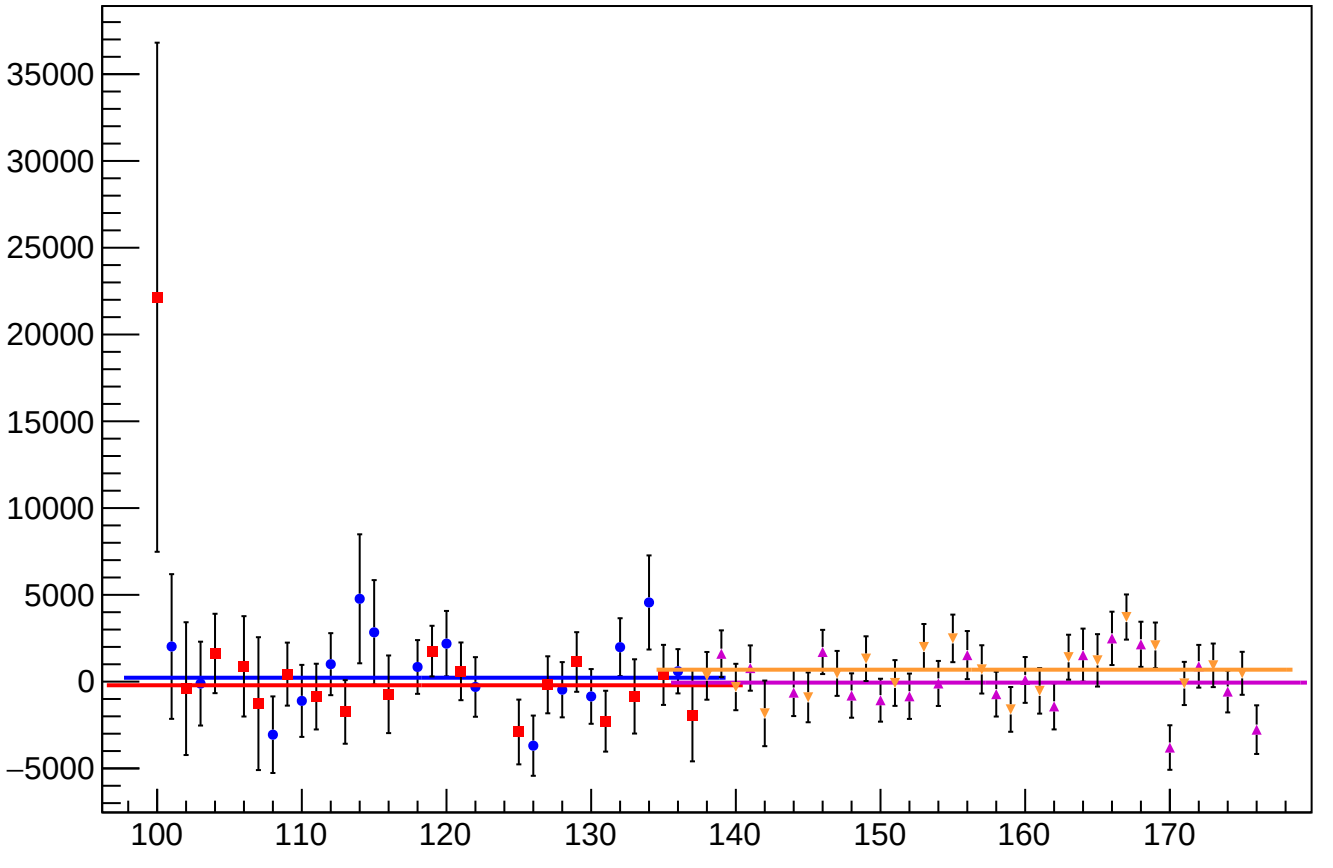
Left: 461.900+/-0.060 χ^2/NDF: 1104316.0/37

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 443.710+/-0.068 χ^2/NDF:2677705.5/34

Out: 434.550+/-0.068 χ^2/NDF:2961746.7/36

All: 439.106+/-0.048 χ^2/NDF: 5648586.0/71



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 687.812+/-307.601 χ^2/NDF:18.4/18

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -57.184+/-302.635 χ^2/NDF:27.8/18

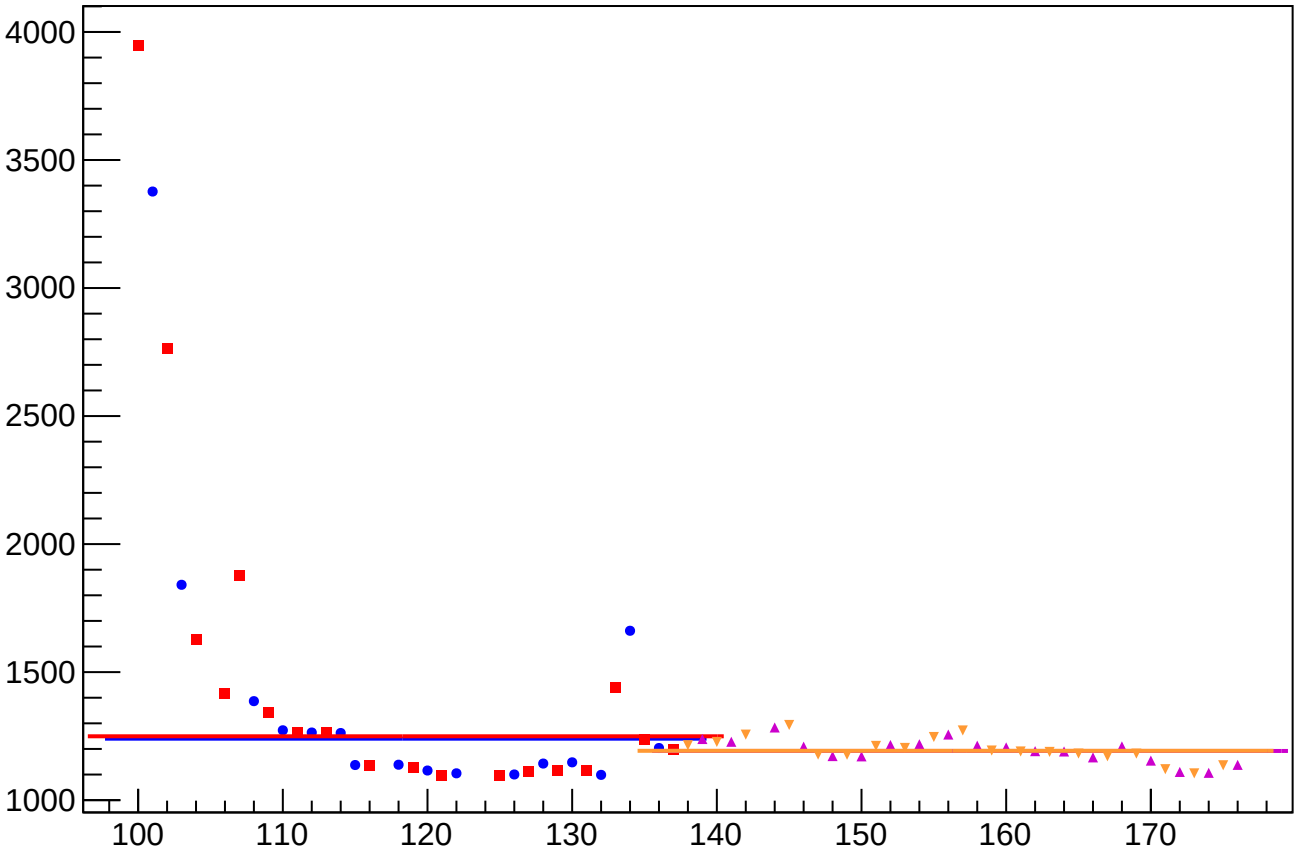
Left: 309.251+/-215.730 χ^2/NDF: 49.2/37

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 24.345+/-255.165 χ^2/NDF:44.1/34

Out: 424.826+/-258.641 χ^2/NDF:31.9/36

All: 221.876+/-181.645 χ^2/NDF: 77.3/71



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1192.726+/-0.218 χ^2/NDF:46217.8/18

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1192.101+/-0.214 χ^2/NDF:45566.0/18

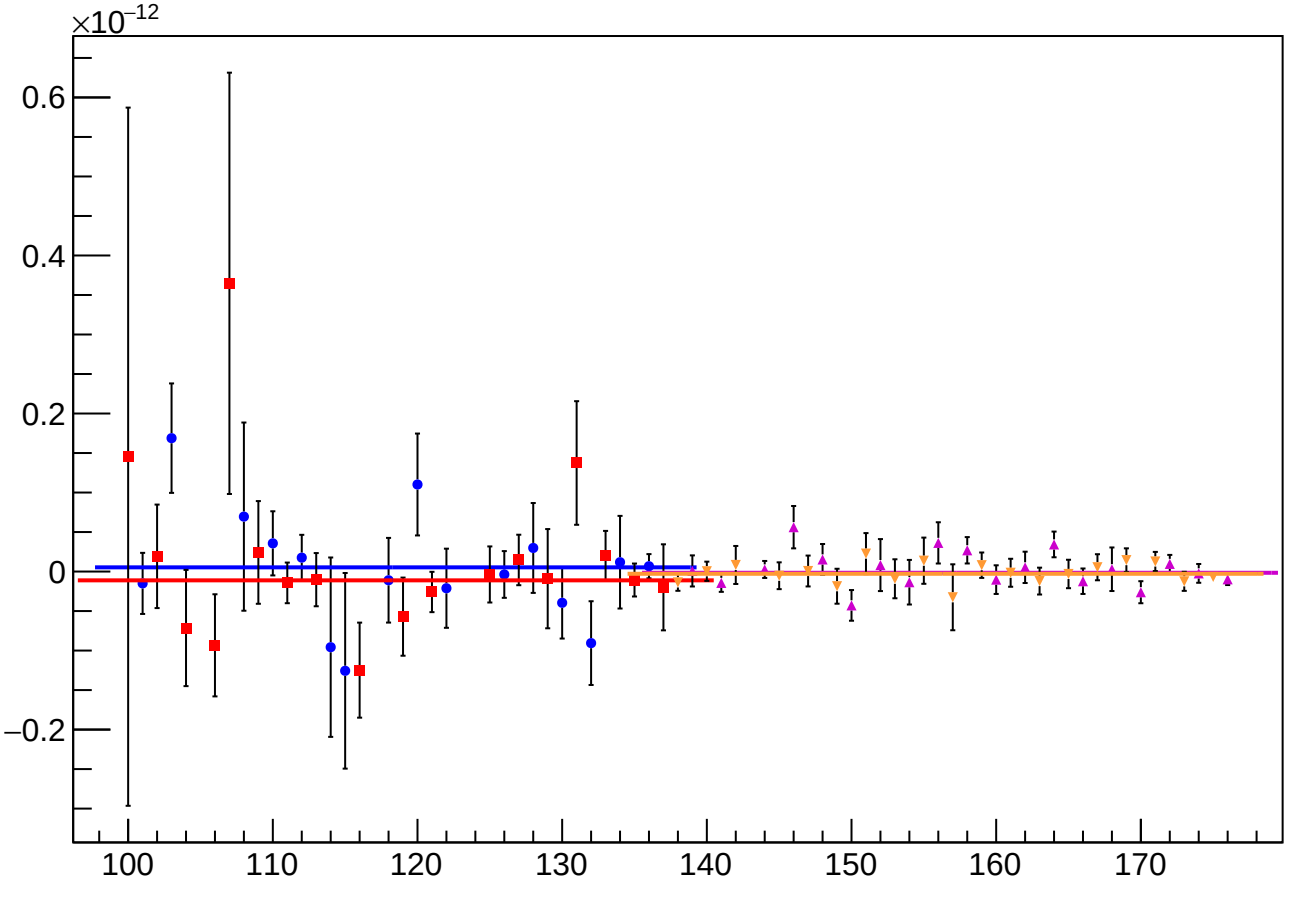
Left: 1192.409+/-0.153 χ^2/NDF: 91787.9/37

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1205.990+/-0.180 χ^2/NDF:842814.8/34

Out: 1209.335+/-0.183 χ^2/NDF:672216.6/36

All: 1207.640+/-0.128 χ^2/NDF: 1515200.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/18

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

Left In: -0.000+/-0.000 χ^2/NDF:27.7/18

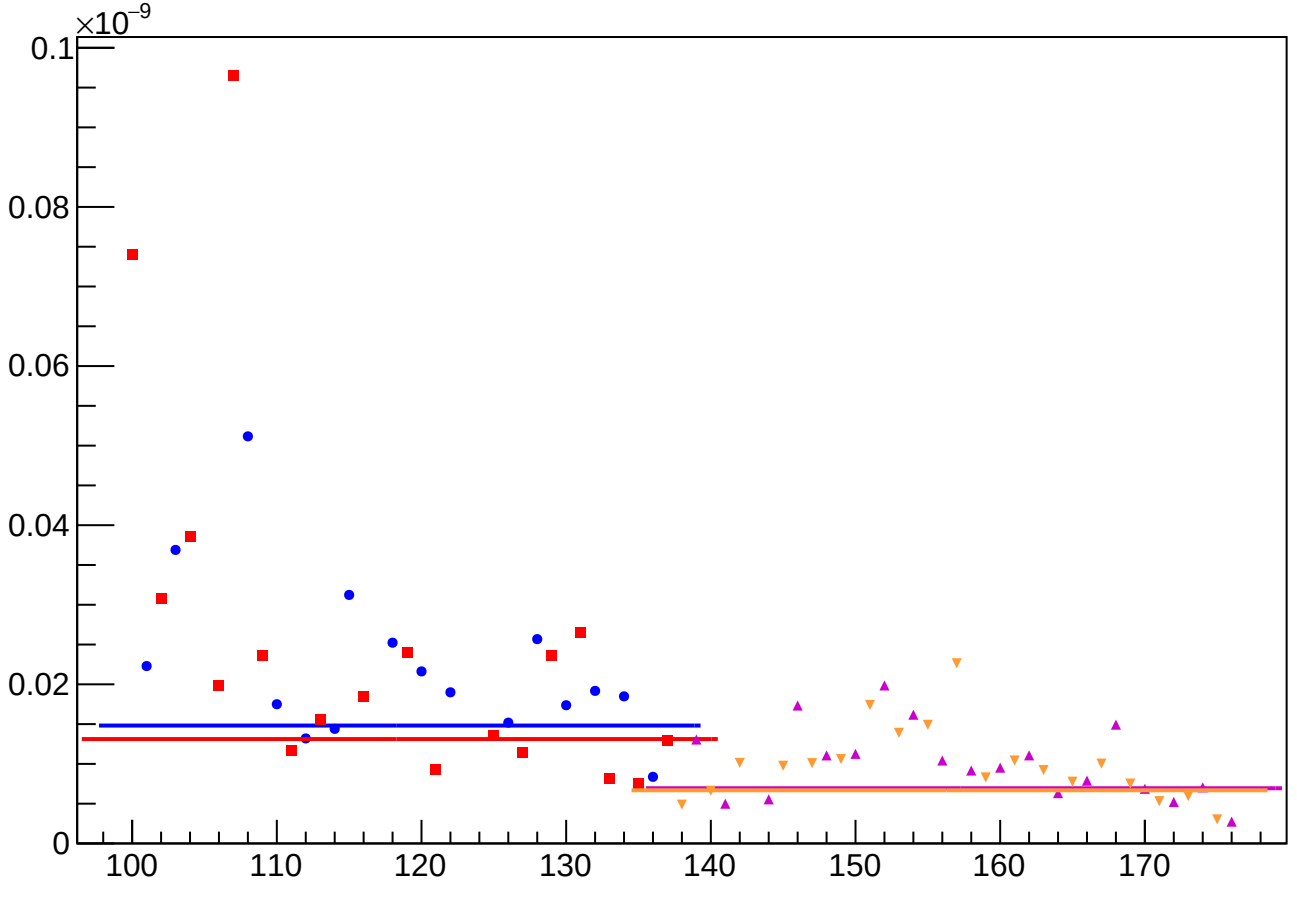
Left: -0.000+/-0.000 χ^2/NDF: 36.6/37

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:44.5/34

Out: -0.000+/-0.000 χ^2/NDF:24.5/36

All: -0.000+/-0.000 χ^2/NDF: 69.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2235965.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2389040.6/18

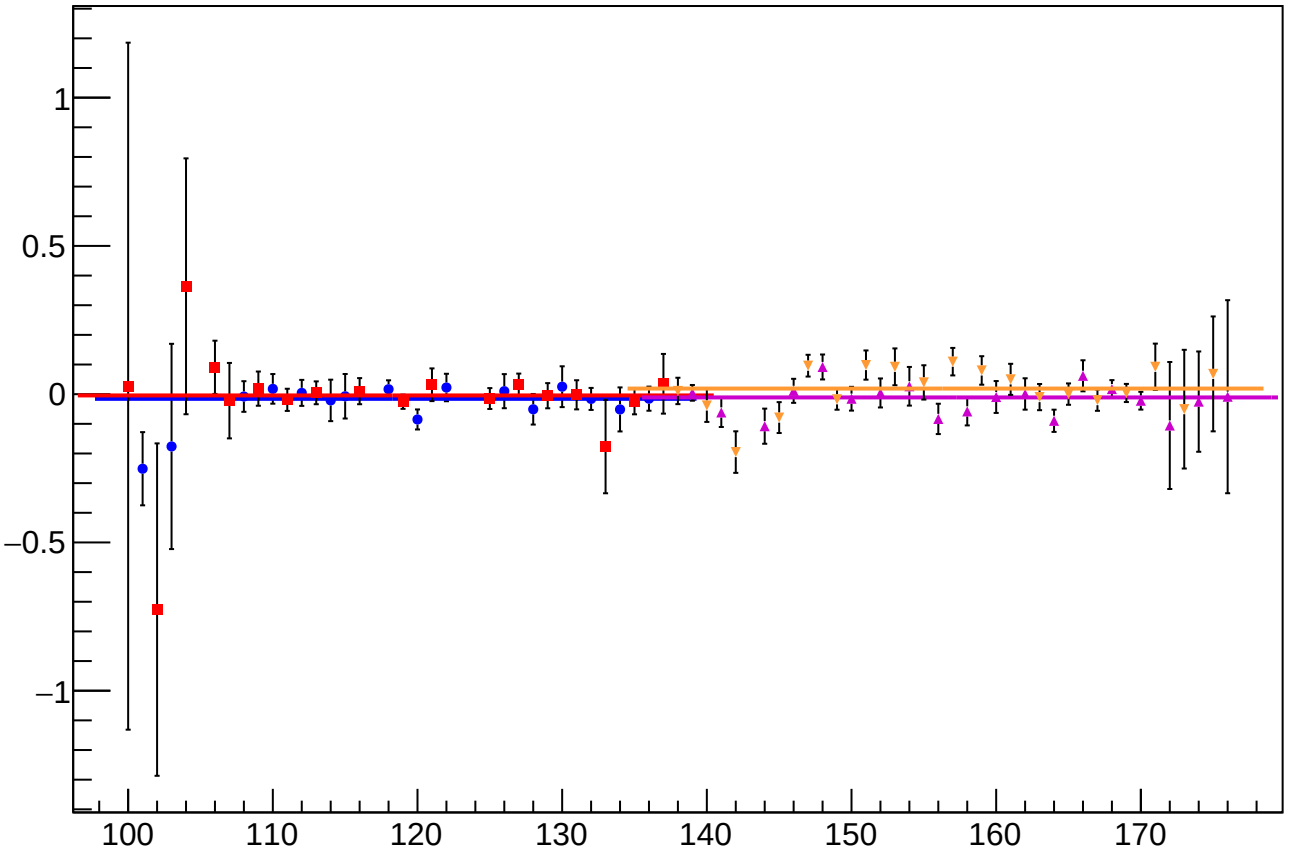
Left: 0.000+/-0.000 χ^2/NDF: 4630815.5/37

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4656212.8/34

Out: 0.000+/-0.000 χ^2/NDF:4257644.9/36

All: 0.000+/-0.000 χ^2/NDF: 8931287.9/71



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

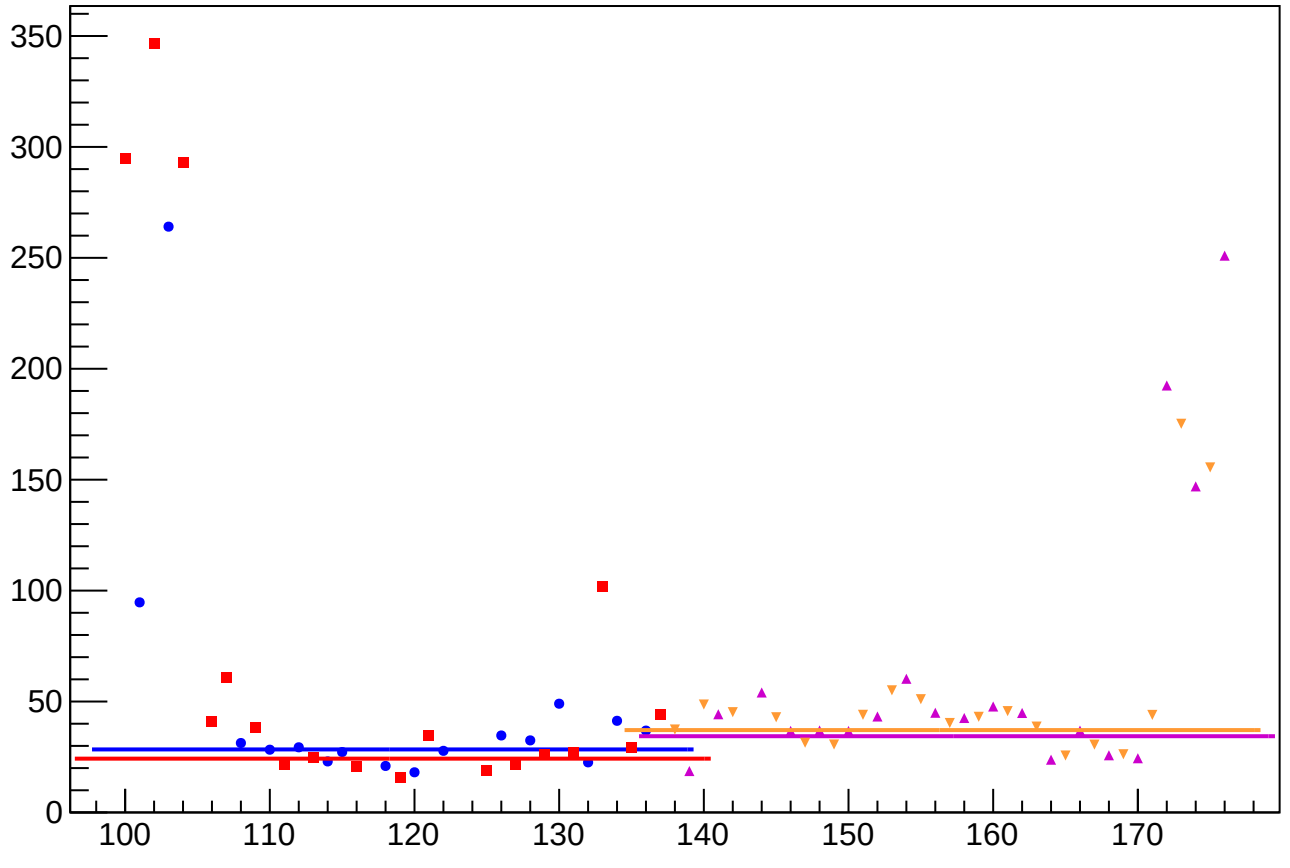
Left: 0.003+/-0.007 χ^2/NDF: 57.9/37

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/71



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.128+/-0.008 χ^2/NDF:2907736.2/18

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

Left: 35.676+/-0.005 χ^2/NDF: 8141066.6/37

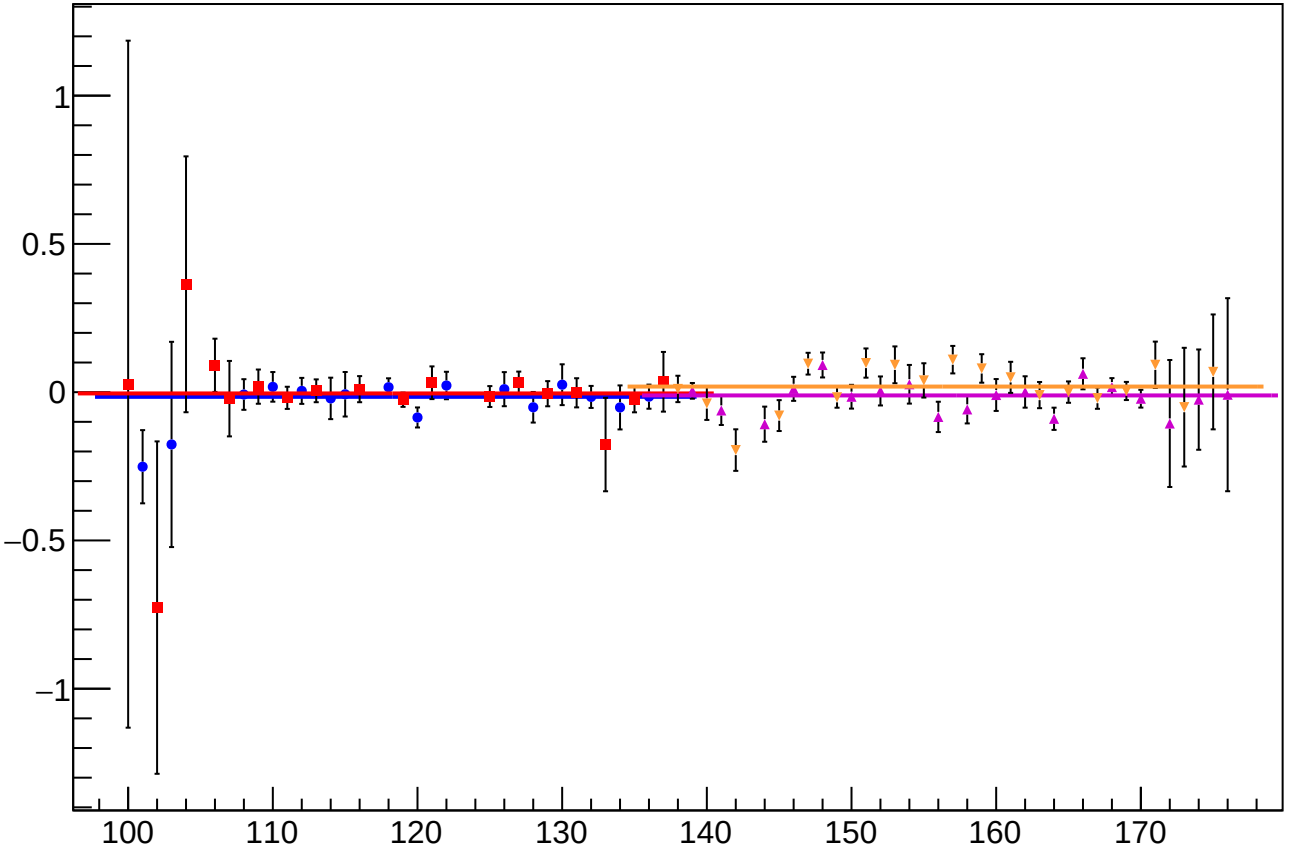
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.920+/-0.006 χ^2/NDF:7686717.6/34

Out: 31.042+/-0.006 χ^2/NDF:7156808.7/36

All: 31.480+/-0.004 χ^2/NDF: 14855942.2/71

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 57.9/37

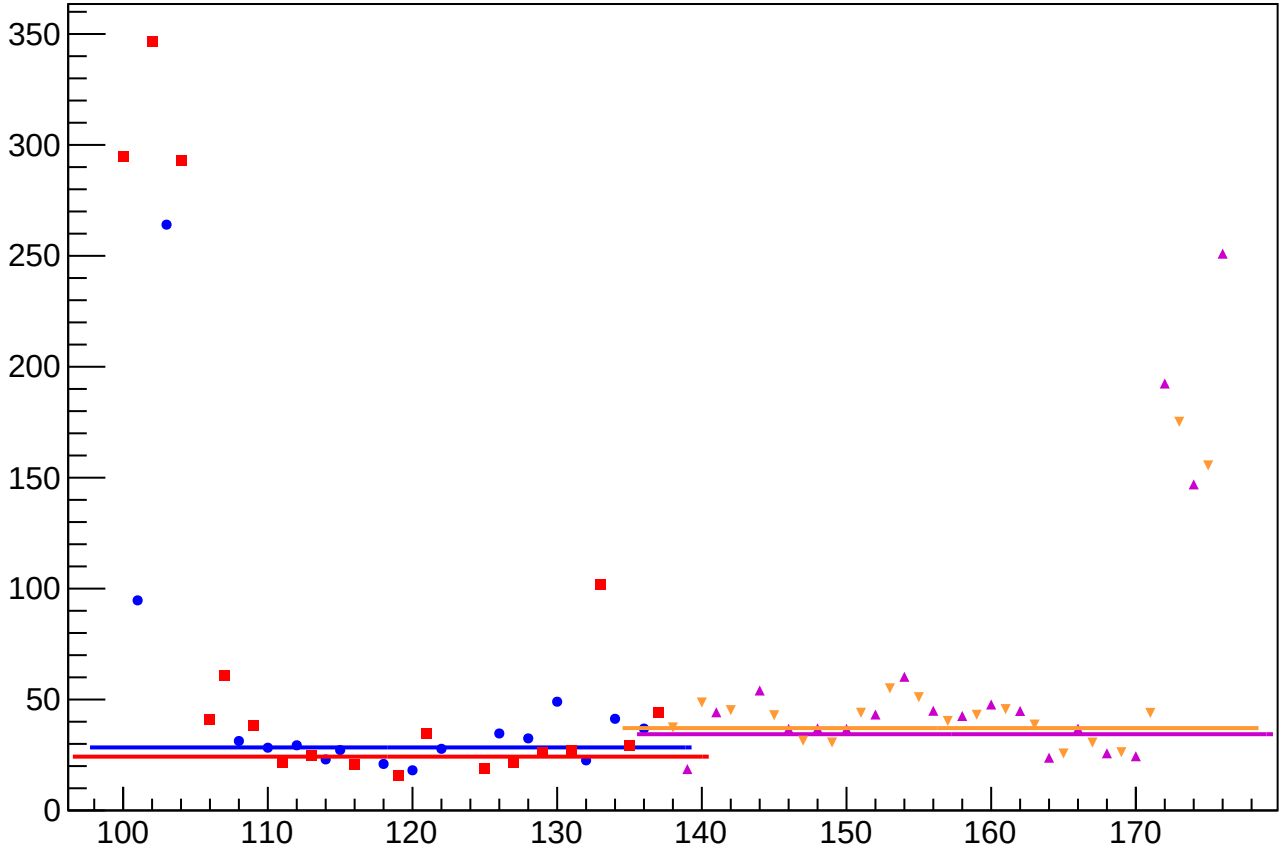
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/71

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: 37.128+/-0.008 χ^2/NDF:2907736.2/18

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

Left: 35.676+/-0.005 χ^2/NDF: 8141066.6/37

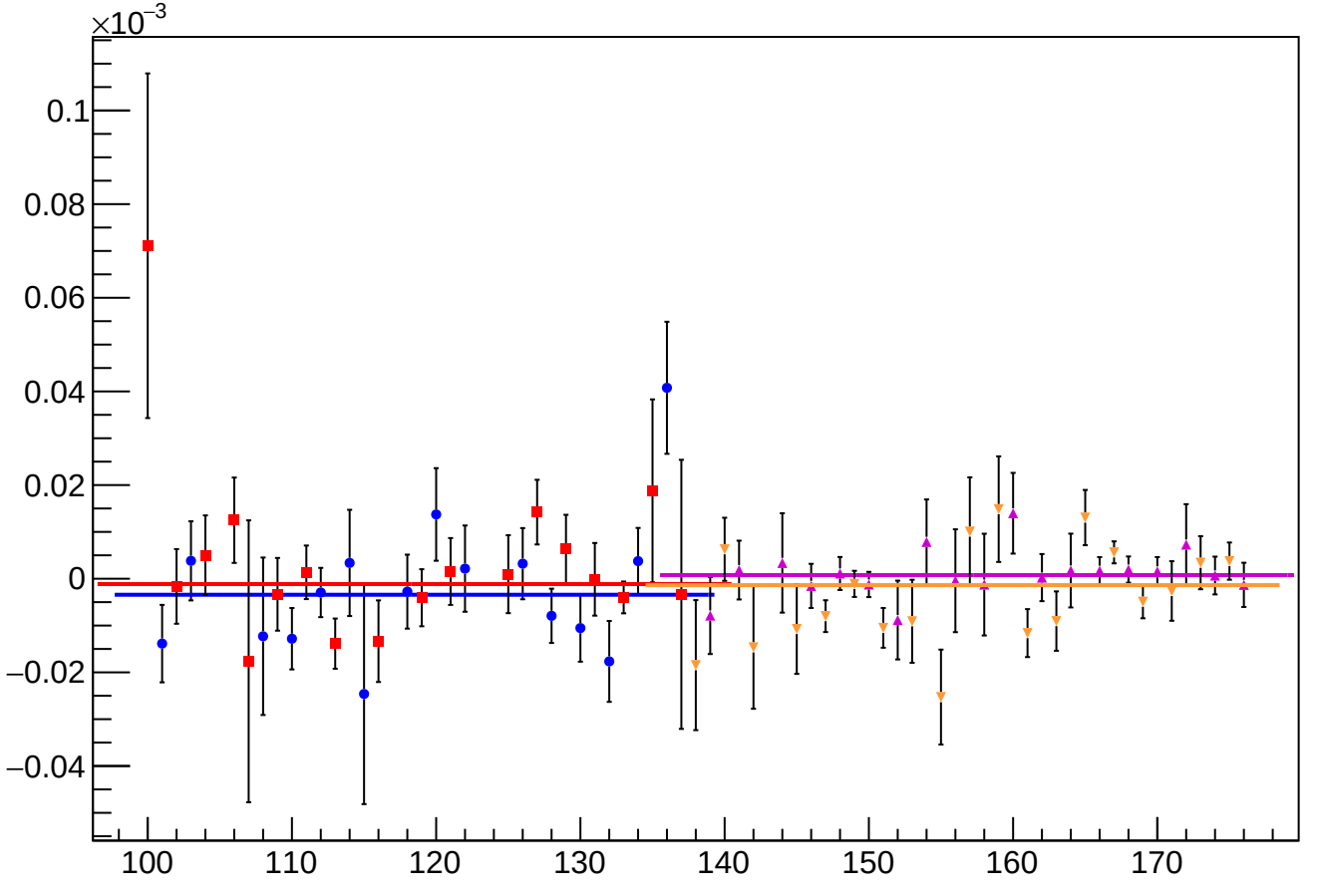
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.920+/-0.006 χ^2/NDF:7686717.6/34

Out: 31.042+/-0.006 χ^2/NDF:7156808.7/36

All: 31.480+/-0.004 χ^2/NDF: 14855942.2/71

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:46.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/18

Left: -0.000+/-0.000 χ^2/NDF: 55.8/37

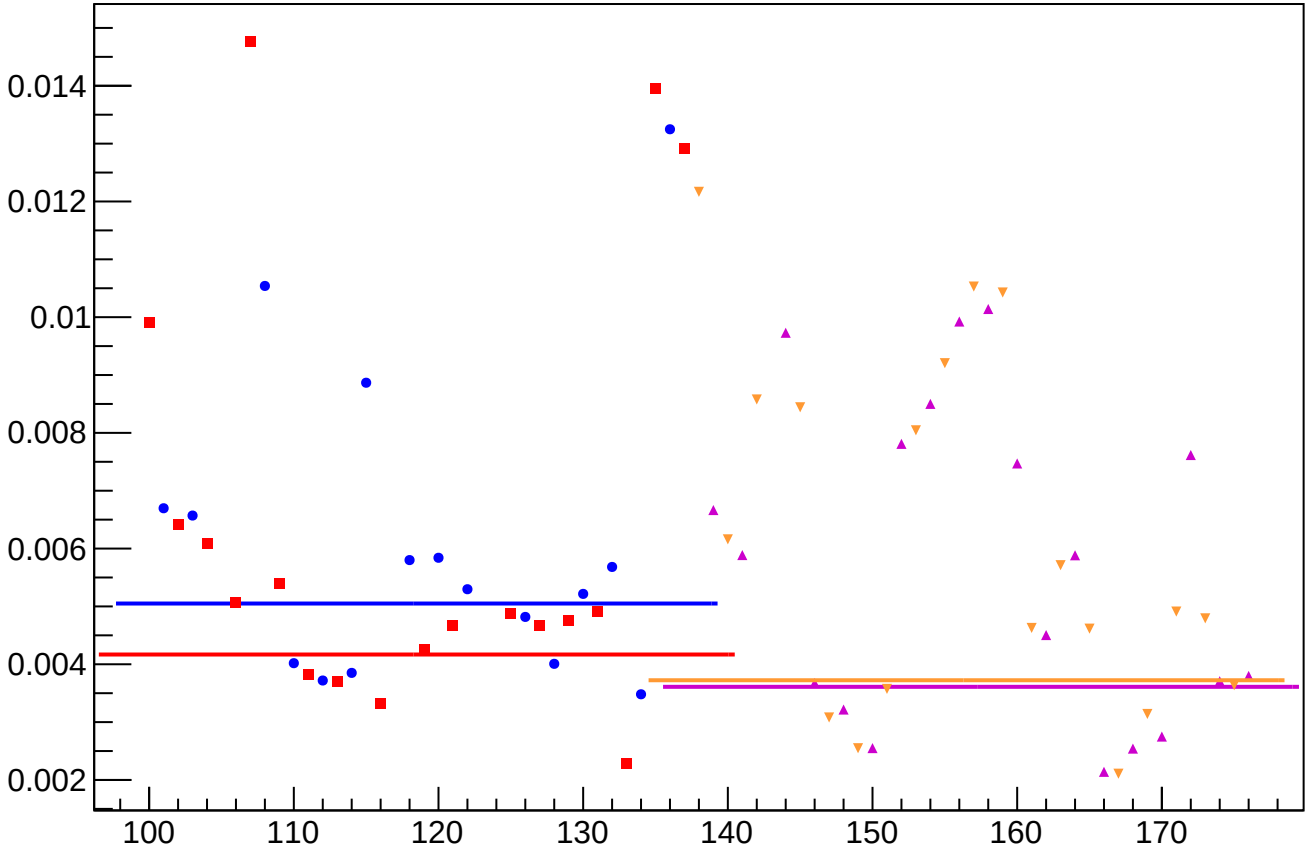
Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.9/34

Out: -0.000+/-0.000 χ^2/NDF:69.4/36

All: -0.000+/-0.000 χ^2/NDF: 106.1/71

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6092995.1/18

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6029224.4/18

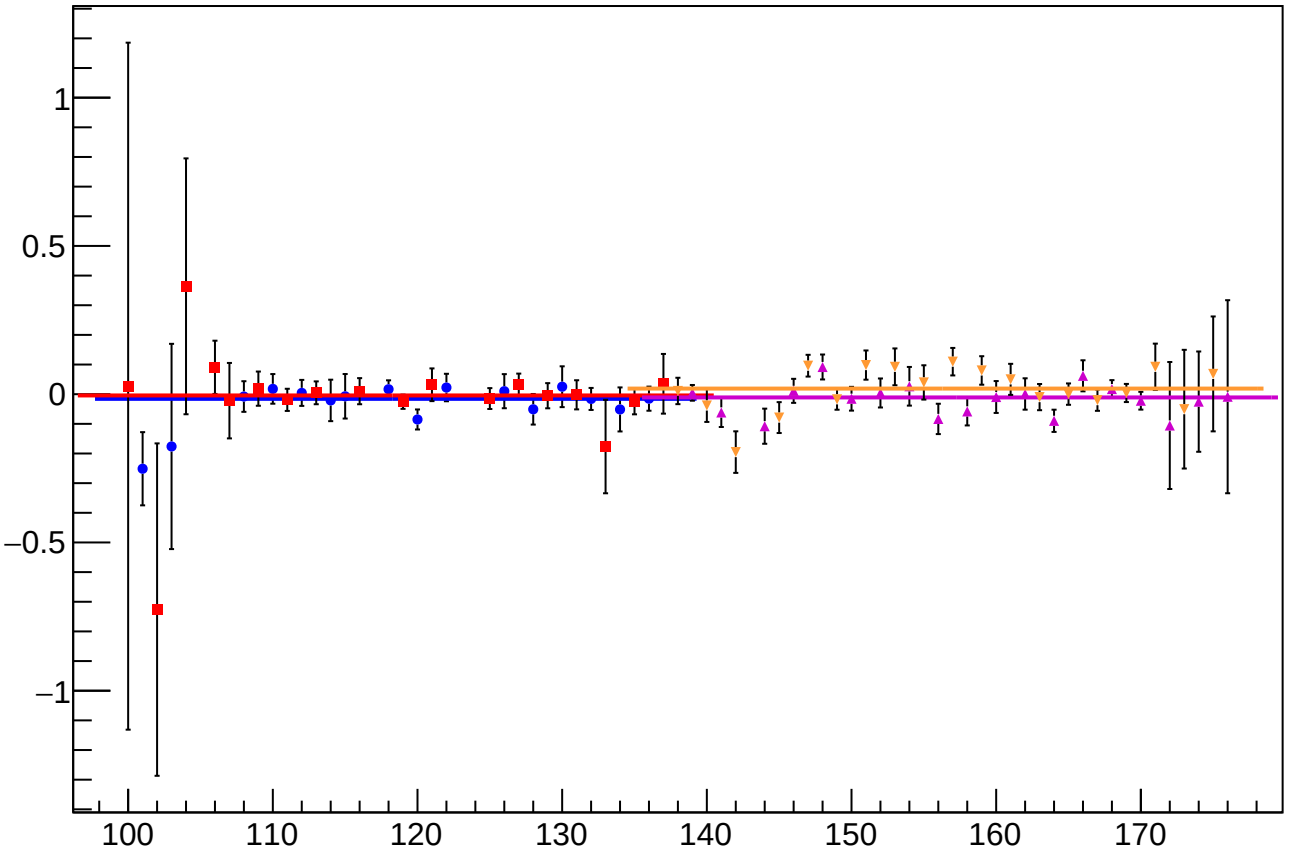
Left: 0.004+/-0.000 χ^2/NDF: 12133309.4/37

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8318784.4/34

Out: 0.004+/-0.000 χ^2/NDF:8231612.0/36

All: 0.004+/-0.000 χ^2/NDF: 16554964.9/71



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 57.9/37

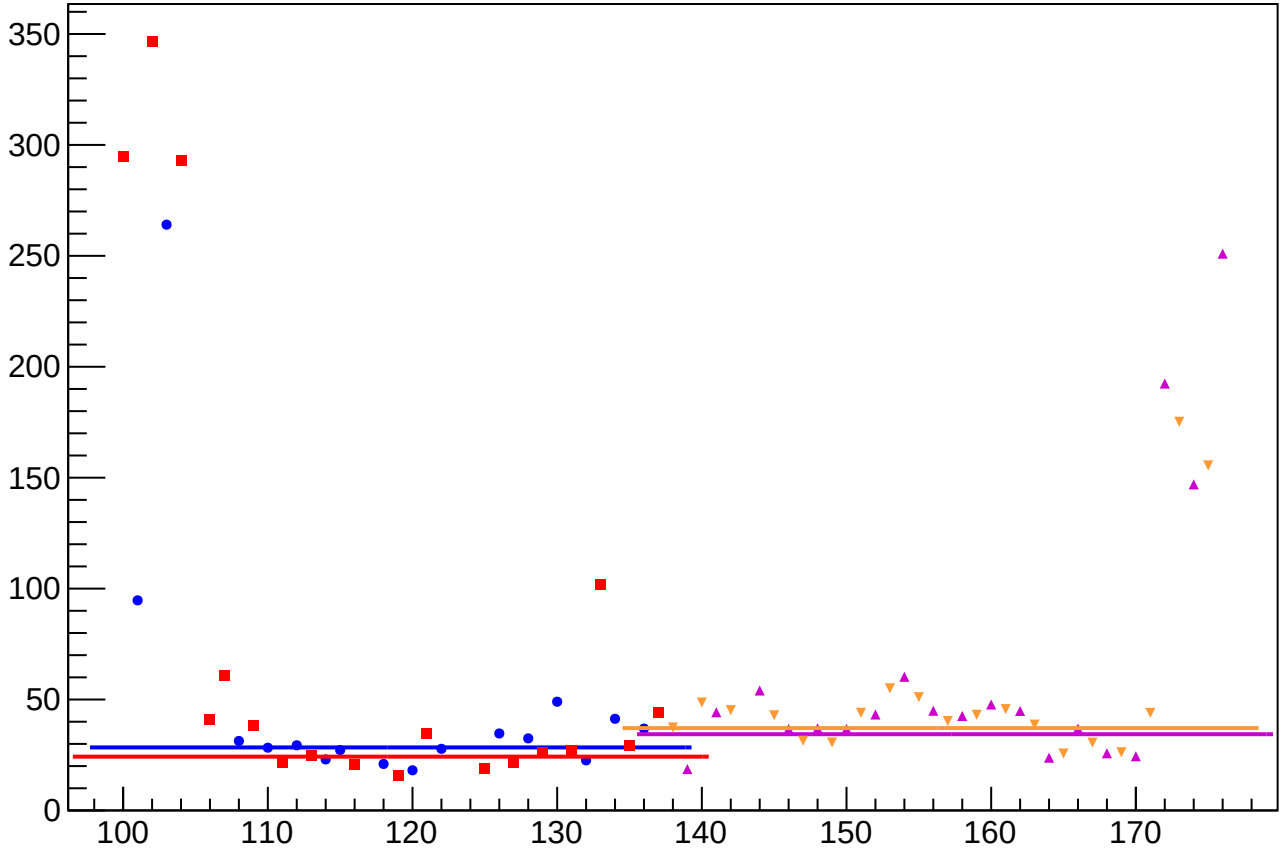
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/71

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: 37.128+/-0.008 χ^2/NDF:2907888.9/18

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

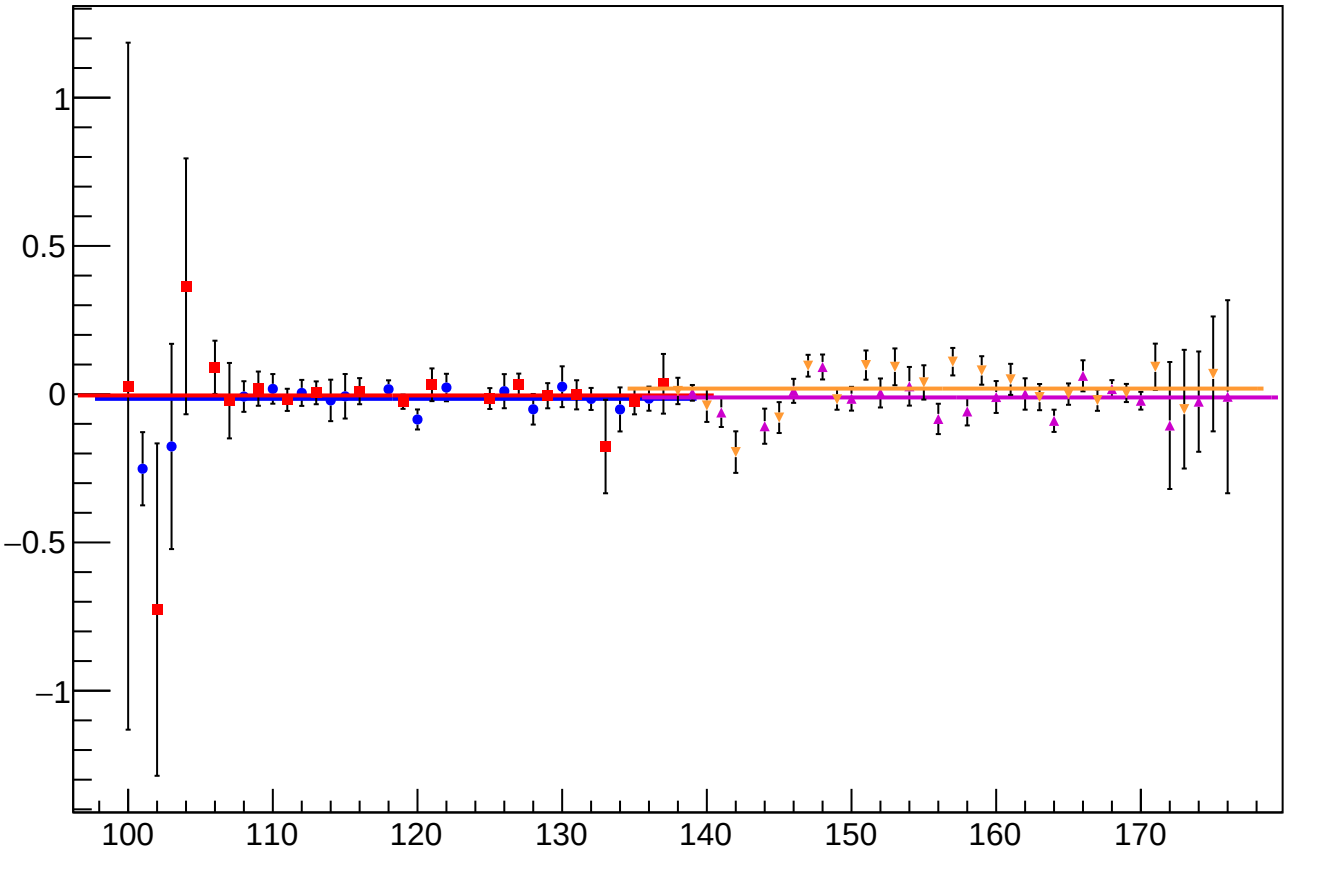
Left: 35.676+/-0.005 χ^2/NDF: 8141632.1/37

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.920+/-0.006 χ^2/NDF:7687126.1/34

Out: 31.041+/-0.006 χ^2/NDF:7157522.9/36

All: 31.479+/-0.004 χ^2/NDF: 14857093.6/71



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/18

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 57.9/37

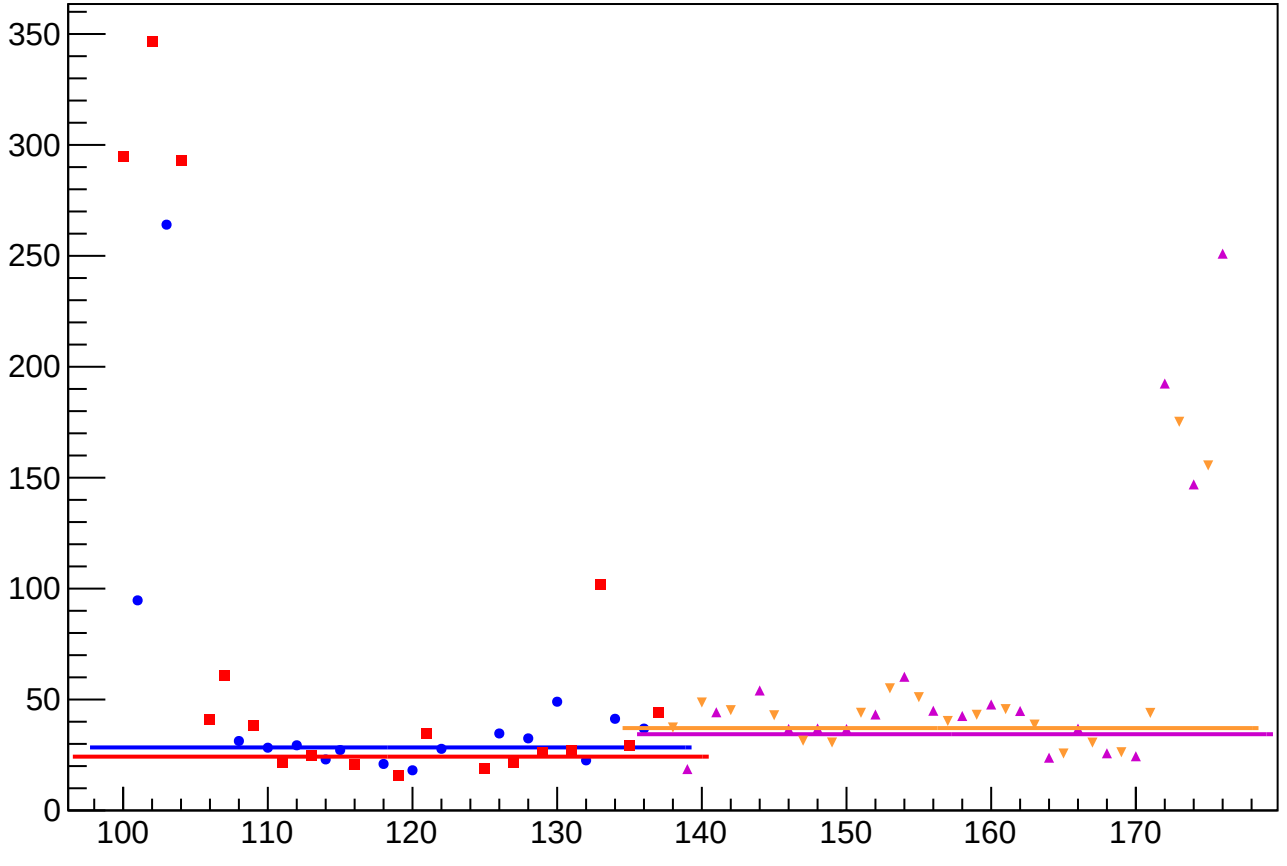
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:42.5/36

All: -0.002+/-0.006 χ^2/NDF: 79.4/71

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: 37.128+/-0.008 χ^2/NDF:2907888.9/18

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

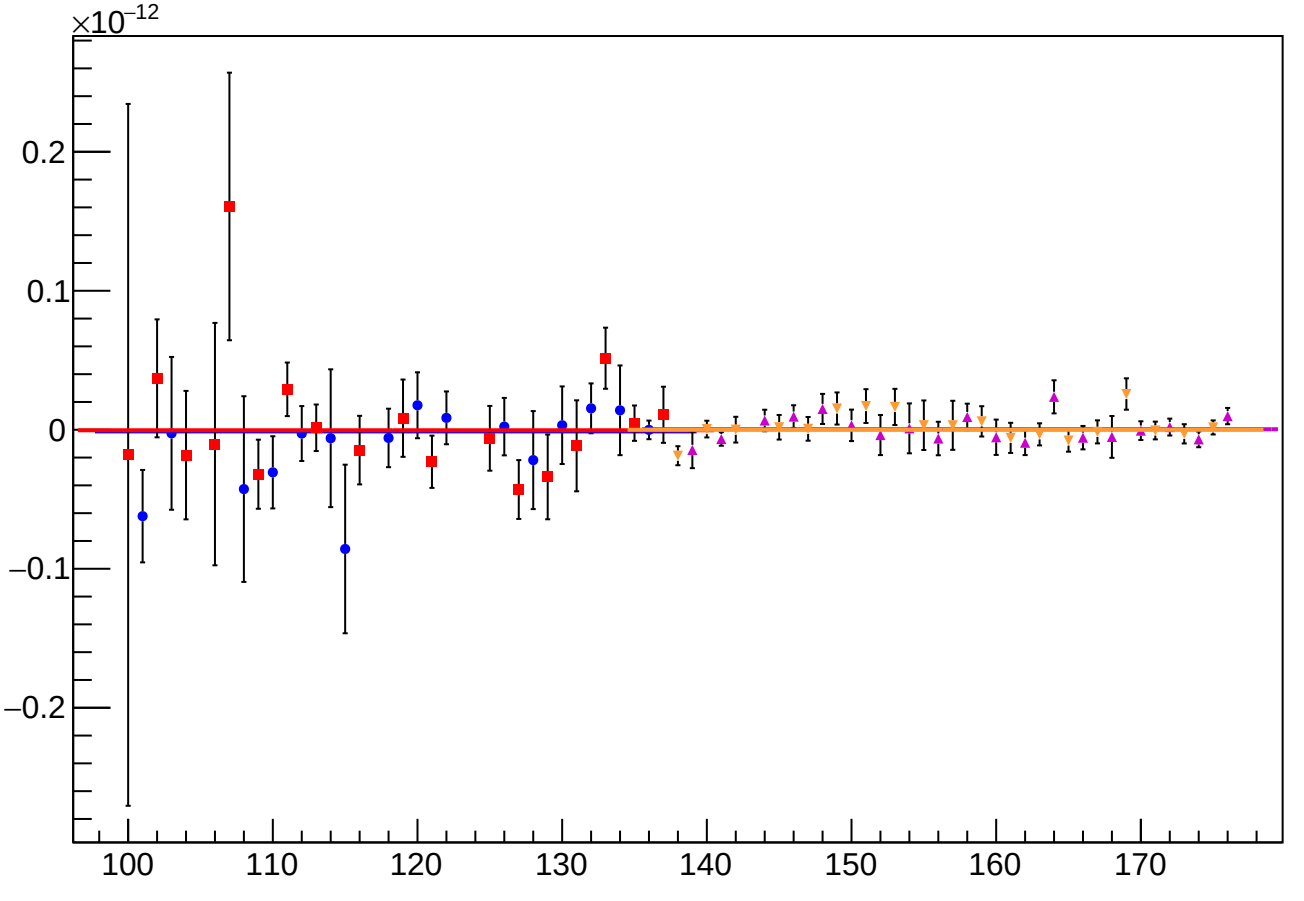
Left: 35.676+/-0.005 χ^2/NDF: 8141632.1/37

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.920+/-0.006 χ^2/NDF:7687126.1/34

Out: 31.041+/-0.006 χ^2/NDF:7157522.9/36

All: 31.479+/-0.004 χ^2/NDF: 14857093.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:18.6/18

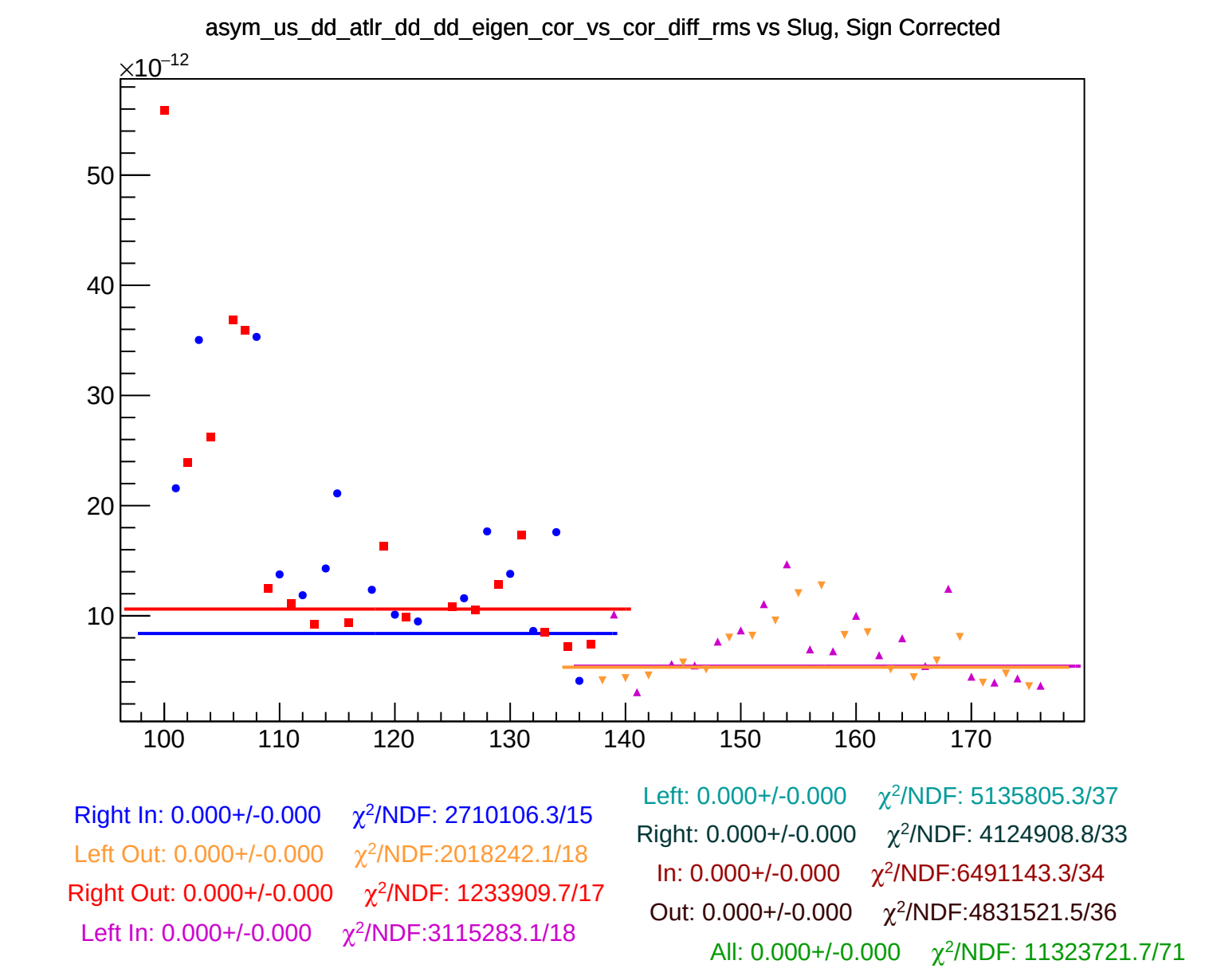
Left: 0.000+/-0.000 χ^2/NDF: 38.7/37

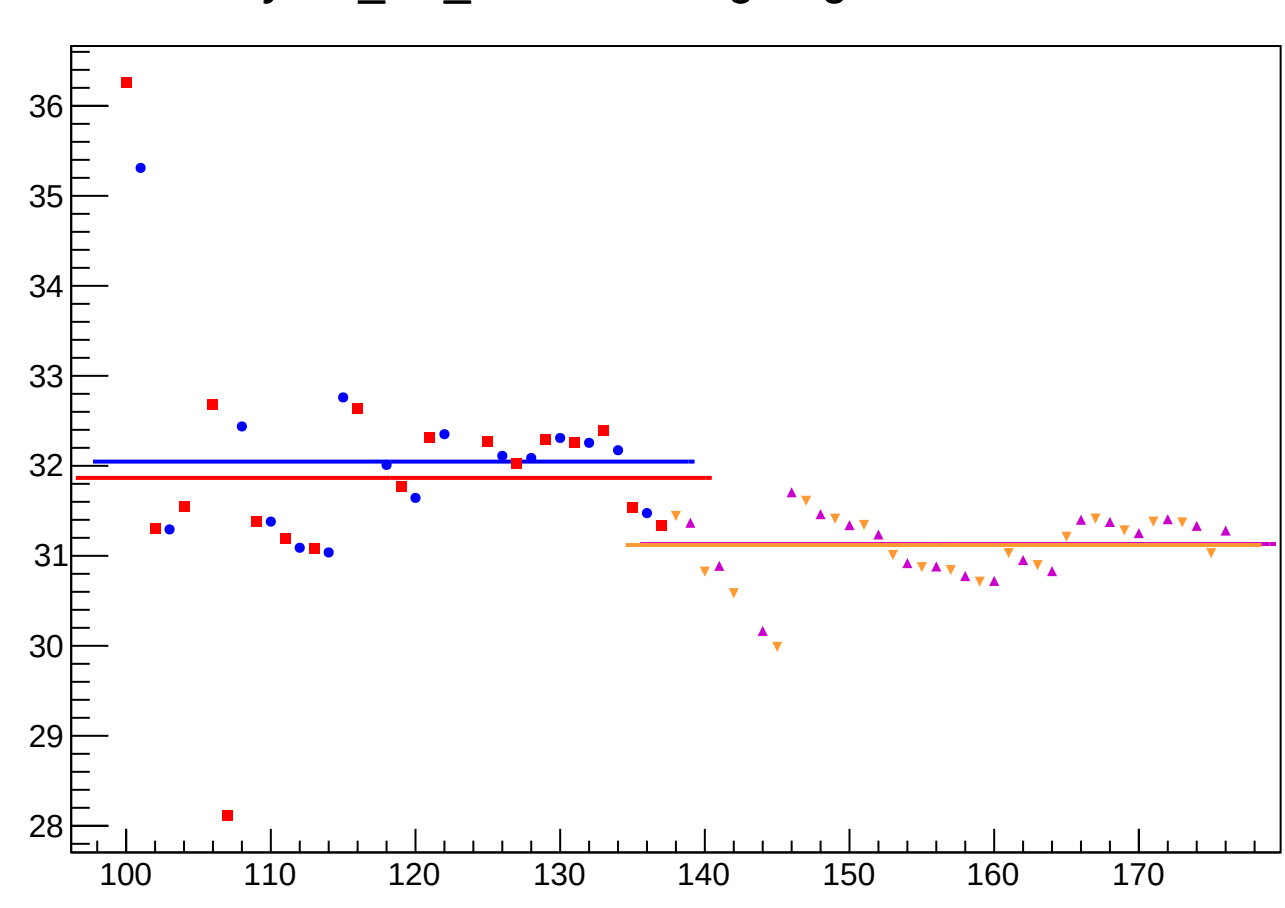
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: 0.000+/-0.000 χ^2/NDF:28.1/34

Out: -0.000+/-0.000 χ^2/NDF:41.2/36

All: 0.000+/-0.000 χ^2/NDF: 69.3/71


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2018242.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3115283.1/18
Left: 0.000+/-0.000 χ²/NDF: 5135805.3/37
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6491143.3/34
Out: 0.000+/-0.000 χ²/NDF:4831521.5/36
All: 0.000+/-0.000 χ²/NDF: 11323721.7/71



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.121+/-0.000 χ^2/NDF:269298372.9/18

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.131+/-0.000 χ^2/NDF:276501591.1/18

Left: 31.126+/-0.000 χ^2/NDF: 545929005.8/37

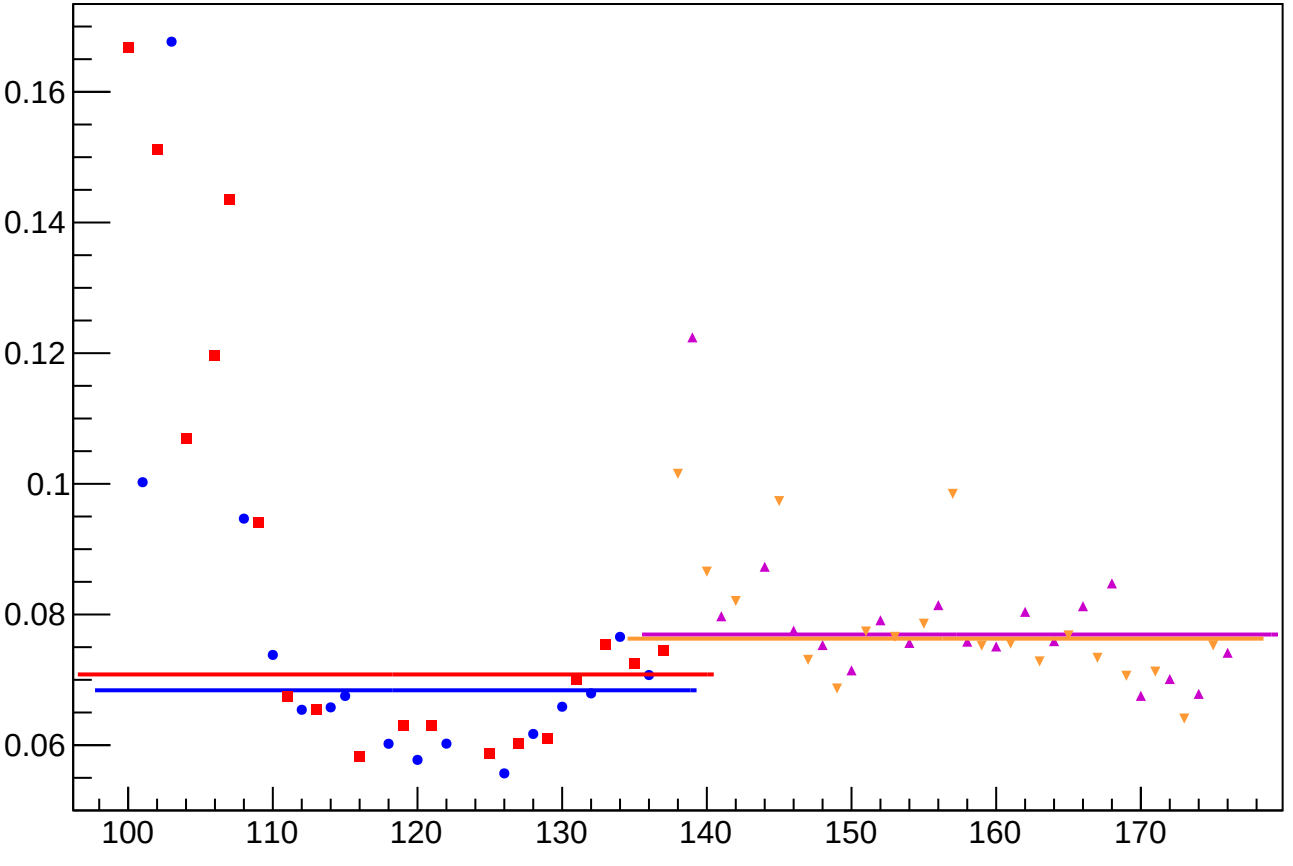
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.463+/-0.000 χ^2/NDF:1890654445.7/34

Out: 31.381+/-0.000 χ^2/NDF:1204153575.9/36

All: 31.422+/-0.000 χ^2/NDF: 3107094784.2/7

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351618.6/18

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:353116.8/18

Left: 0.077+/-0.000 χ^2/NDF: 705668.1/37

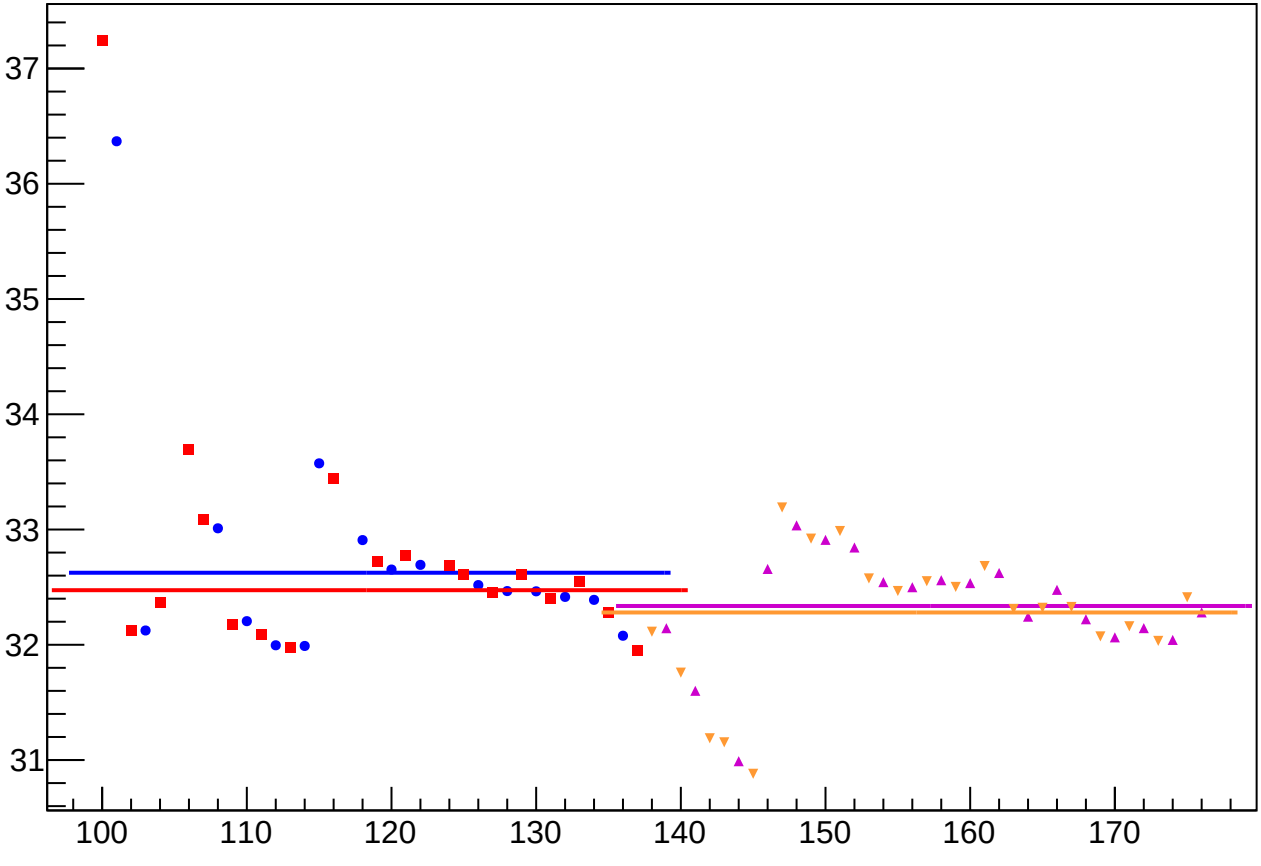
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1180676.0/34

Out: 0.074+/-0.000 χ^2/NDF:1268382.6/36

All: 0.074+/-0.000 χ^2/NDF: 2450153.4/71

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.280+/-0.000 χ^2/NDF:794871446.8/19

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.337+/-0.000 χ^2/NDF:575276865.2/18

Left: 32.308+/-0.000 χ^2/NDF: 1373964095.7/38

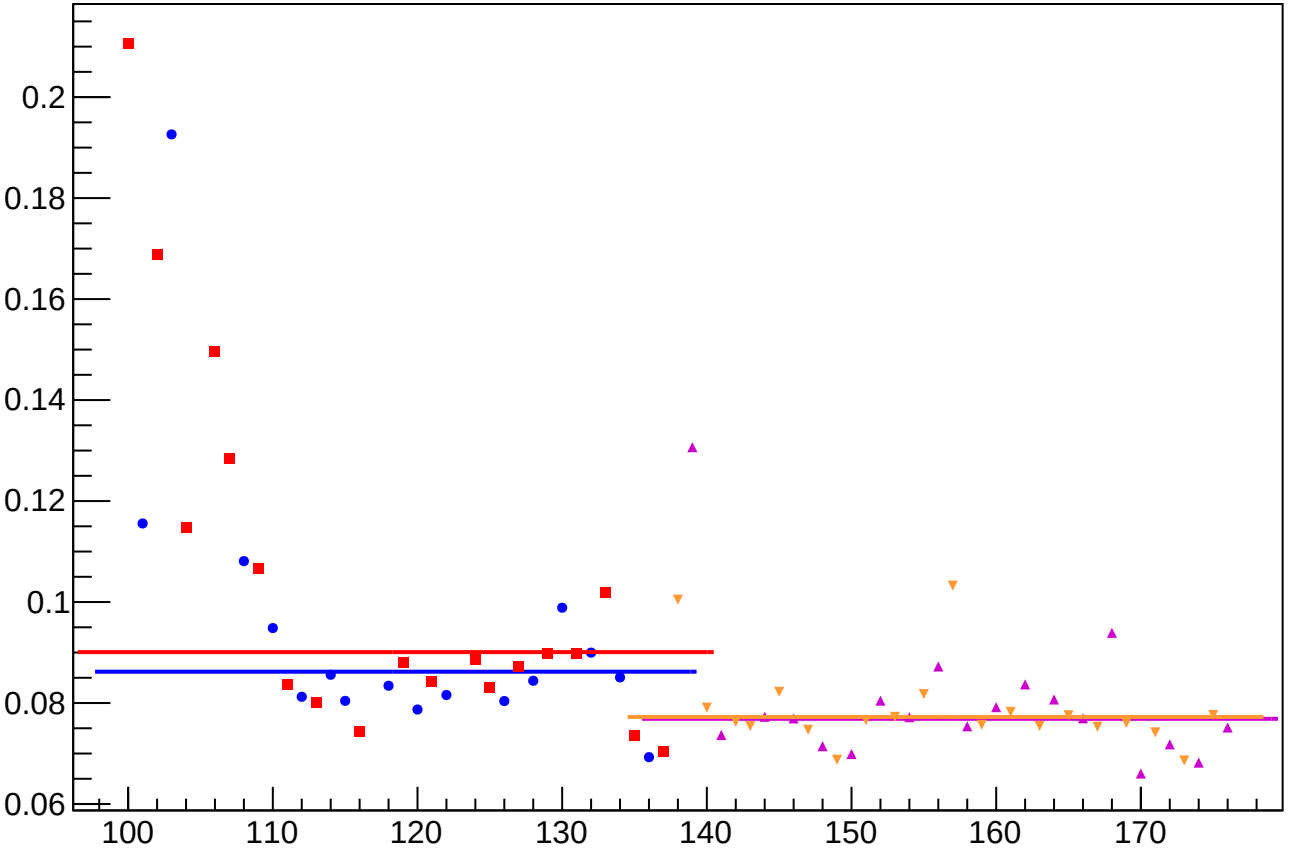
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.412+/-0.000 χ^2/NDF:1366380803.0/34

Out: 32.328+/-0.000 χ^2/NDF:973980812.4/38

All: 32.370+/-0.000 χ^2/NDF: 2351600136.7/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229899.8/19

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:472767.8/18

Left: 0.077+/-0.000 χ^2/NDF: 703006.9/38

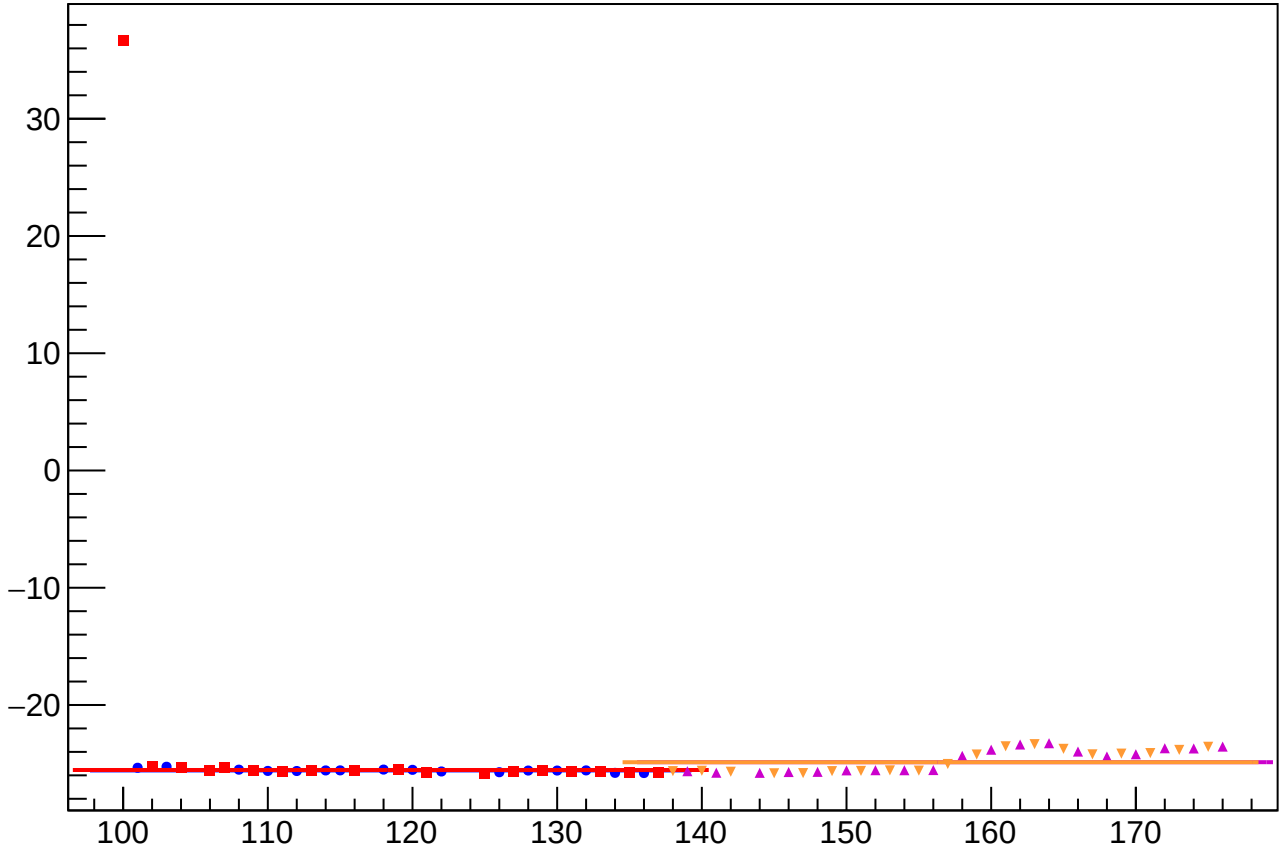
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1180329.8/34

Out: 0.080+/-0.000 χ^2/NDF:1048539.6/38

All: 0.080+/-0.000 χ^2/NDF: 2232969.4/73

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.881+/-0.000 χ^2/NDF:5809105427.8/18

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.879+/-0.000 χ^2/NDF:6539151753.7/18

Left: -24.880+/-0.000 χ^2/NDF: 12348276574.5/37

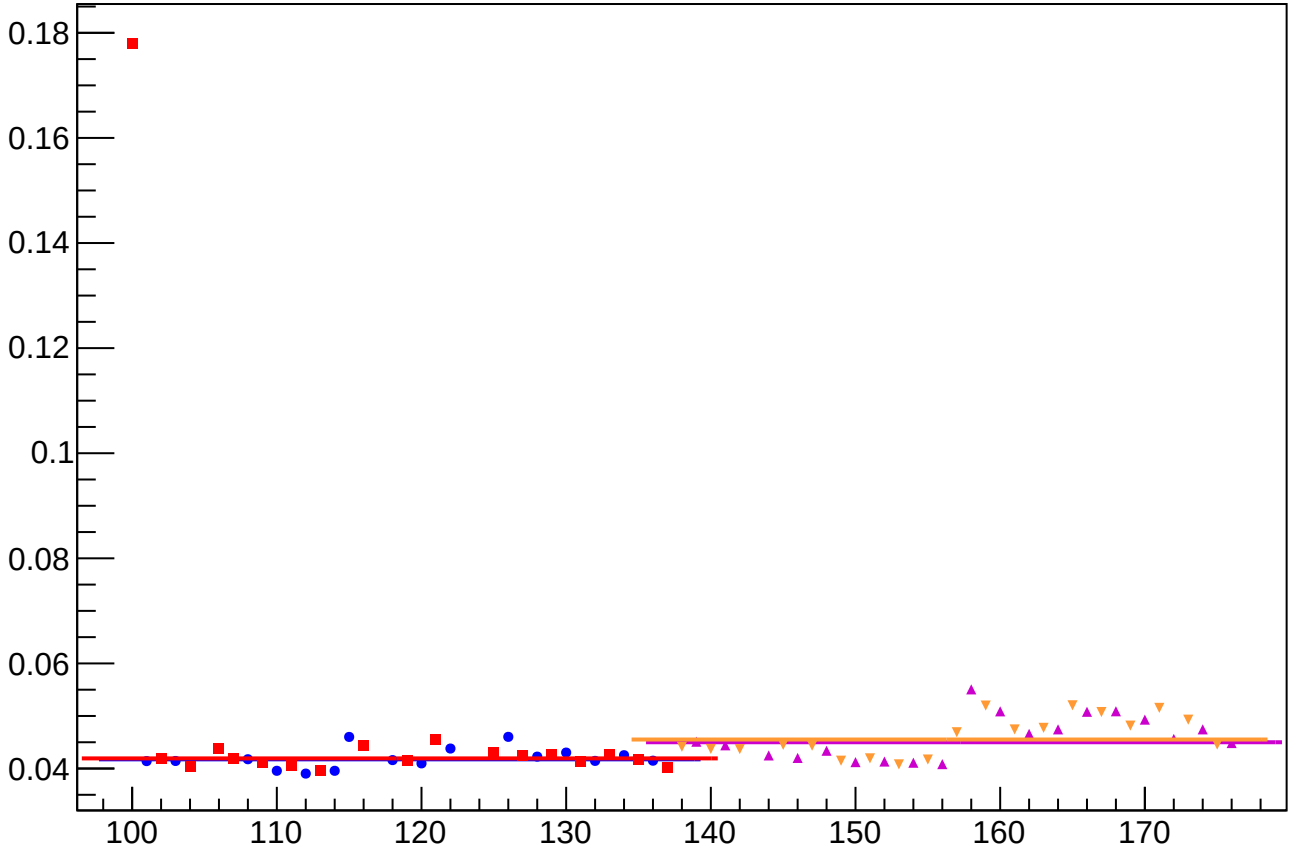
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.128+/-0.000 χ^2/NDF:7937070811.5/34

Out: -25.125+/-0.000 χ^2/NDF:15858135955.6/36

All: -25.127+/-0.000 χ^2/NDF: 23795230738.8

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.046+/-0.000 χ^2/NDF:174875.3/18

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:215971.6/18

Left: 0.045+/-0.000 χ^2/NDF: 392794.1/37

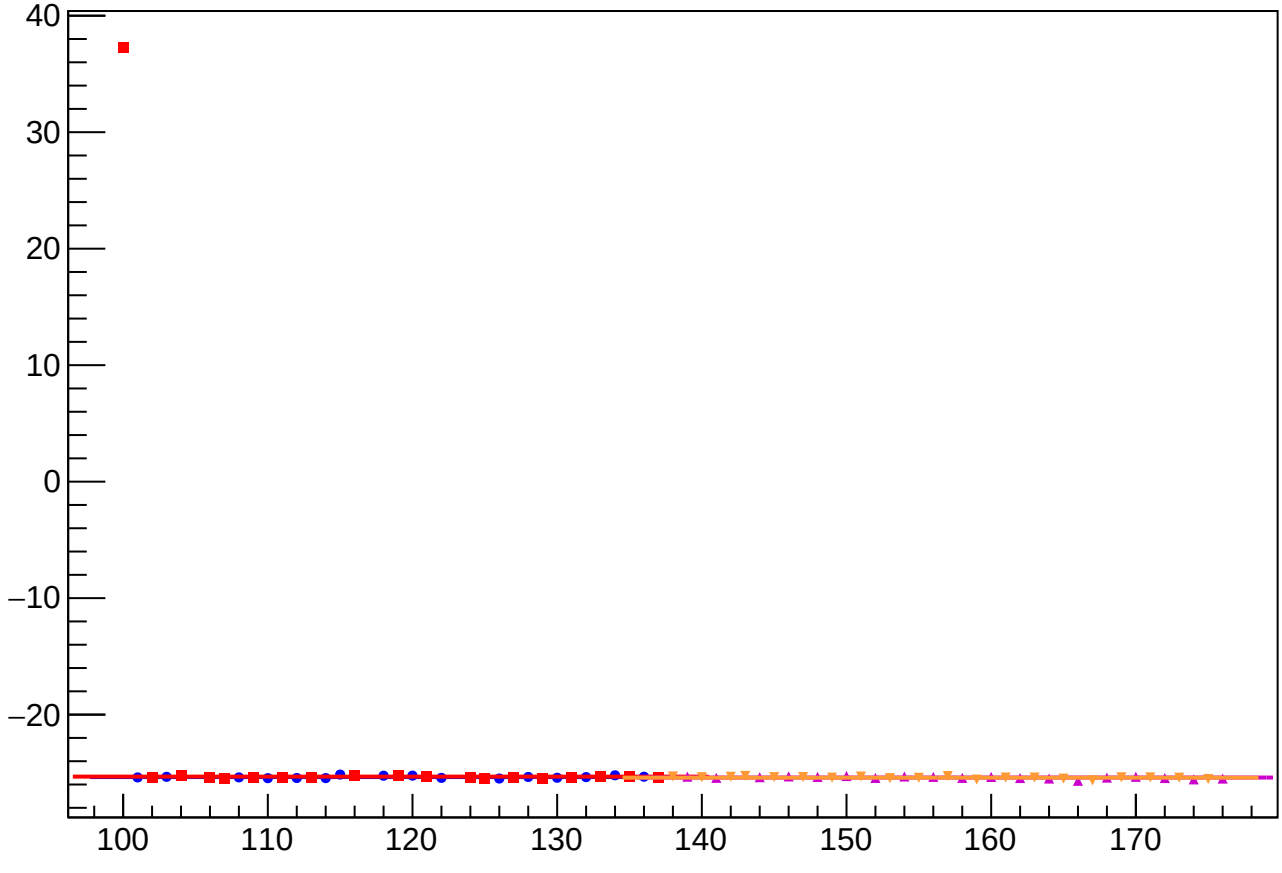
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:292796.7/34

Out: 0.044+/-0.000 χ^2/NDF:342065.3/36

All: 0.044+/-0.000 χ^2/NDF: 636250.2/71

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.411+/-0.000 χ^2/NDF:46097104.8/19

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.402+/-0.000 χ^2/NDF:43491988.4/18

Left: -25.406+/-0.000 χ^2/NDF: 89786415.4/38

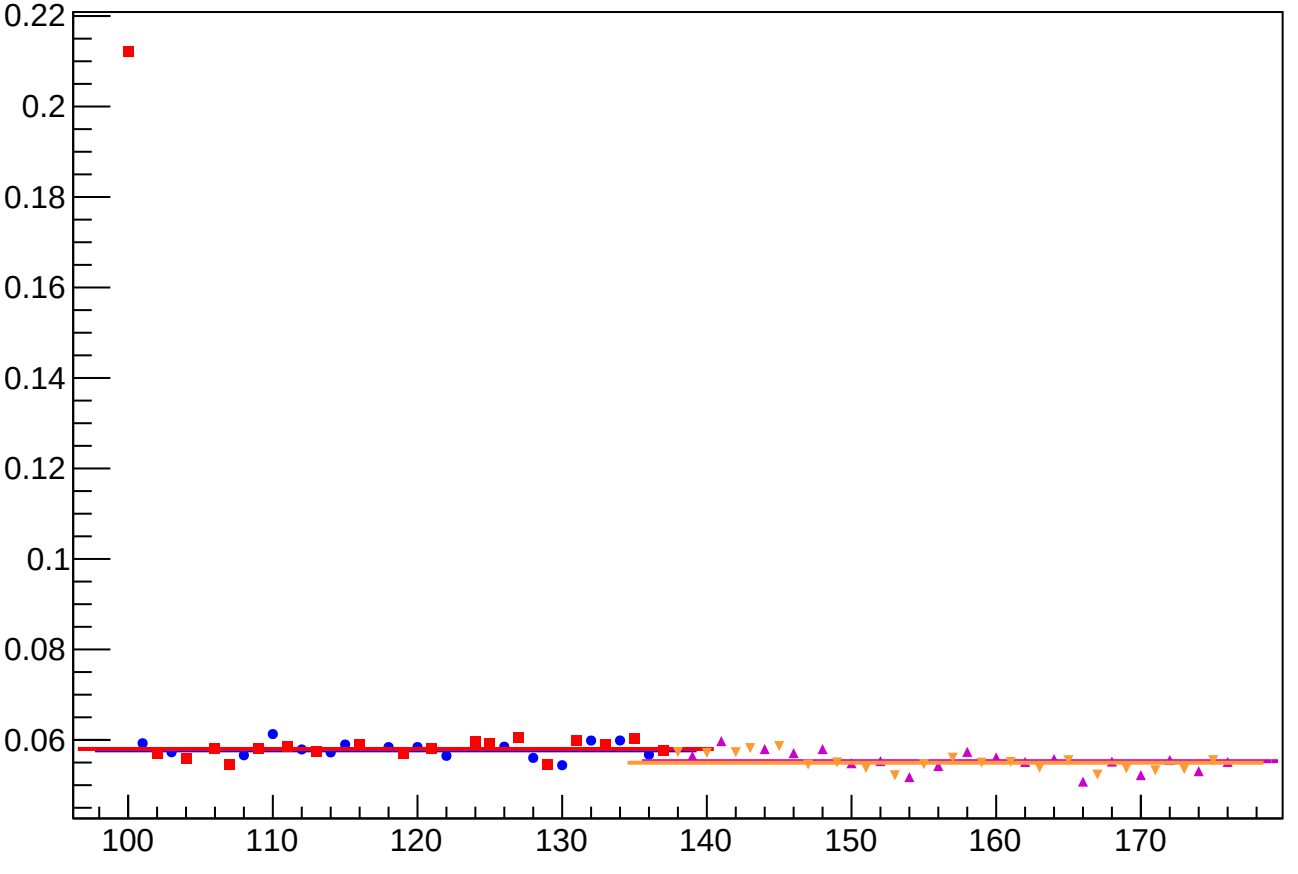
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.389+/-0.000 χ^2/NDF:59311536.6/34

Out: -25.384+/-0.000 χ^2/NDF:6372847274.9/38

All: -25.387+/-0.000 χ^2/NDF: 6432249506.8/

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:31667.8/19

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47262.5/18

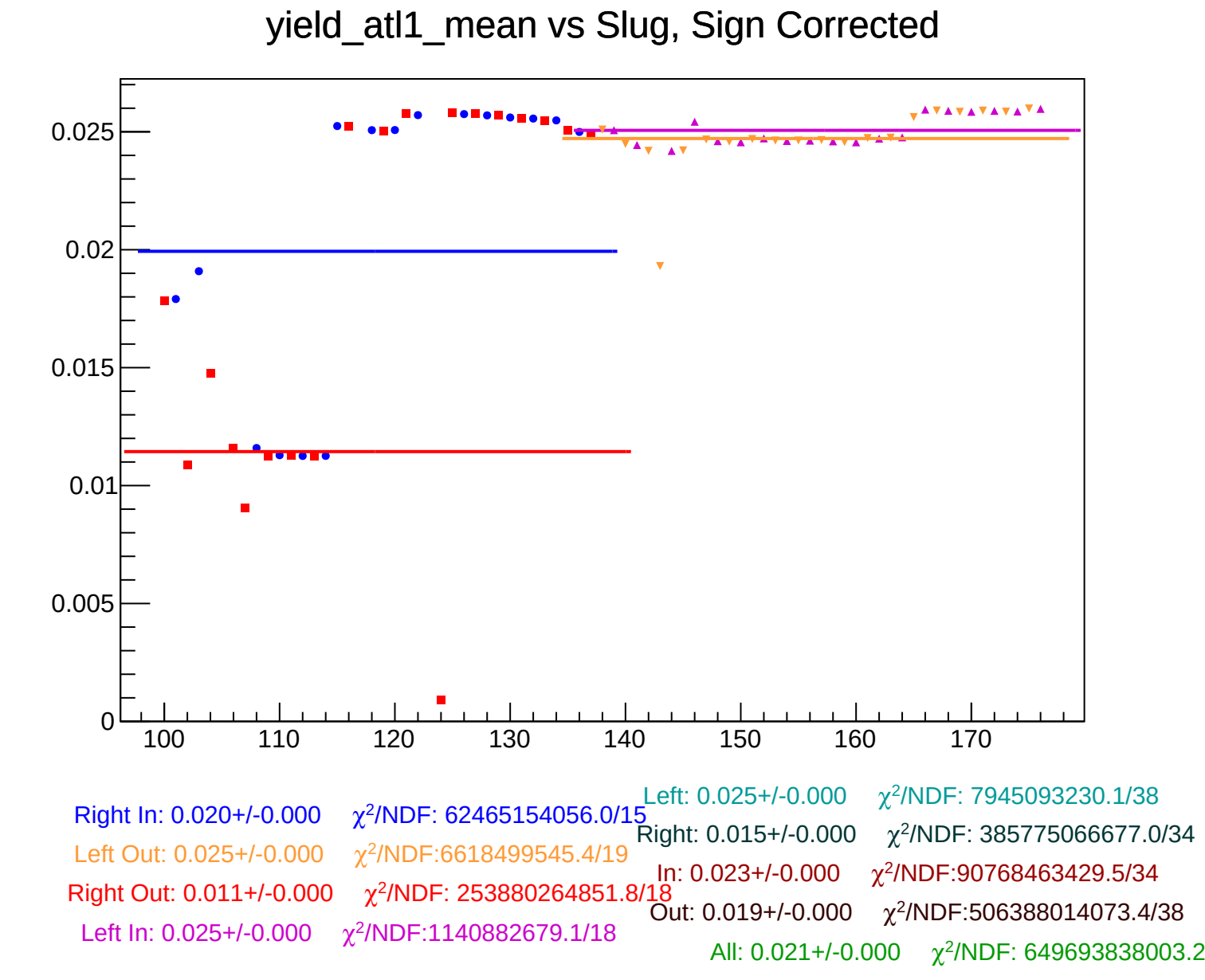
Left: 0.055+/-0.000 χ^2/NDF: 79498.8/38

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

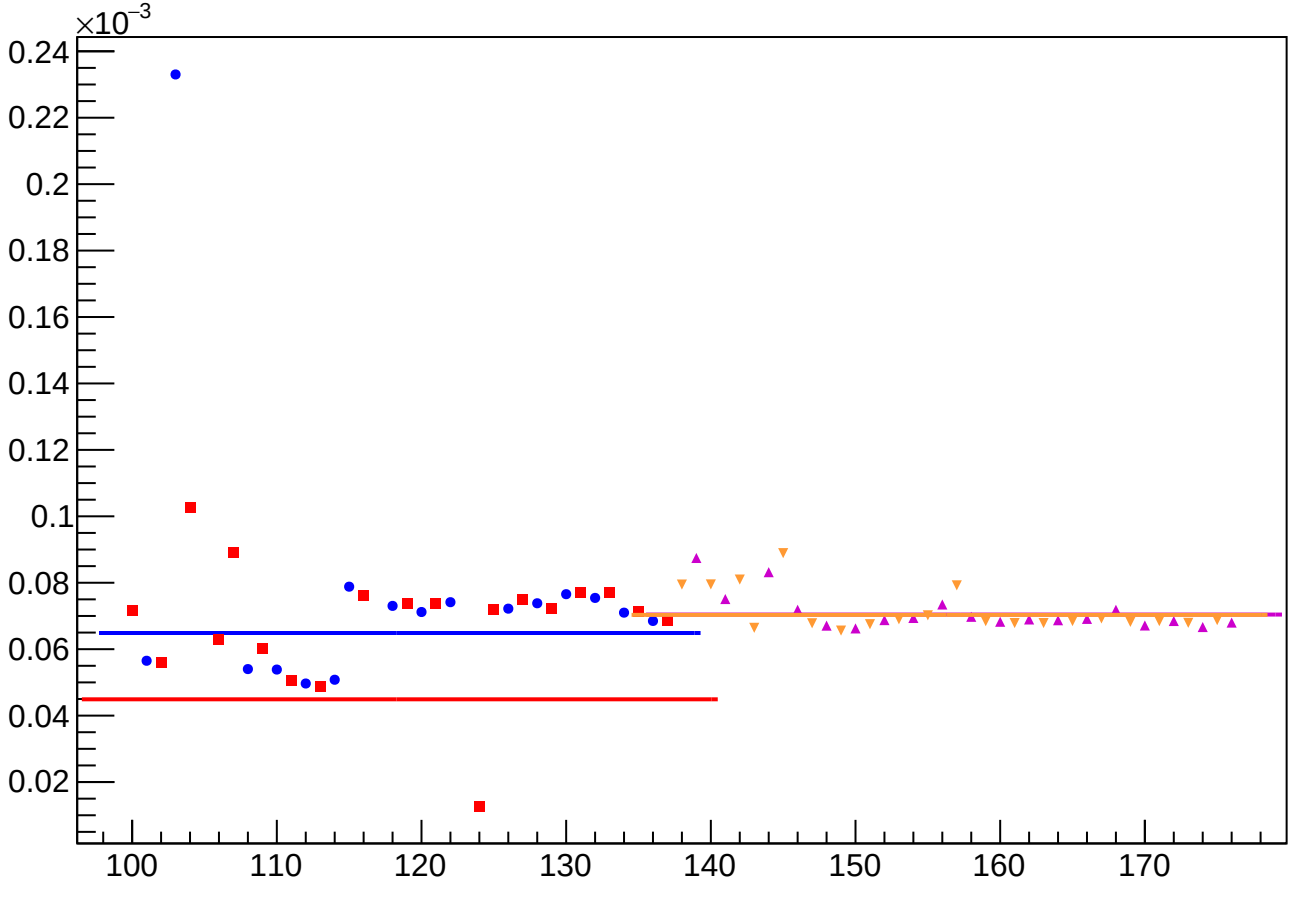
In: 0.056+/-0.000 χ^2/NDF:75951.3/34

Out: 0.056+/-0.000 χ^2/NDF:148122.3/38

All: 0.056+/-0.000 χ^2/NDF: 224240.5/73


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: 0.025+/-0.000 χ²/NDF:6618499545.4/19
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1140882679.1/18
Left: 0.025+/-0.000 χ²/NDF: 7945093230.1/38
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:90768463429.5/34
Out: 0.019+/-0.000 χ²/NDF:506388014073.4/38
All: 0.021+/-0.000 χ²/NDF: 649693838003.2

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:175349.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:141071.3/18

Left: 0.000+/-0.000 χ^2/NDF: 316448.3/38

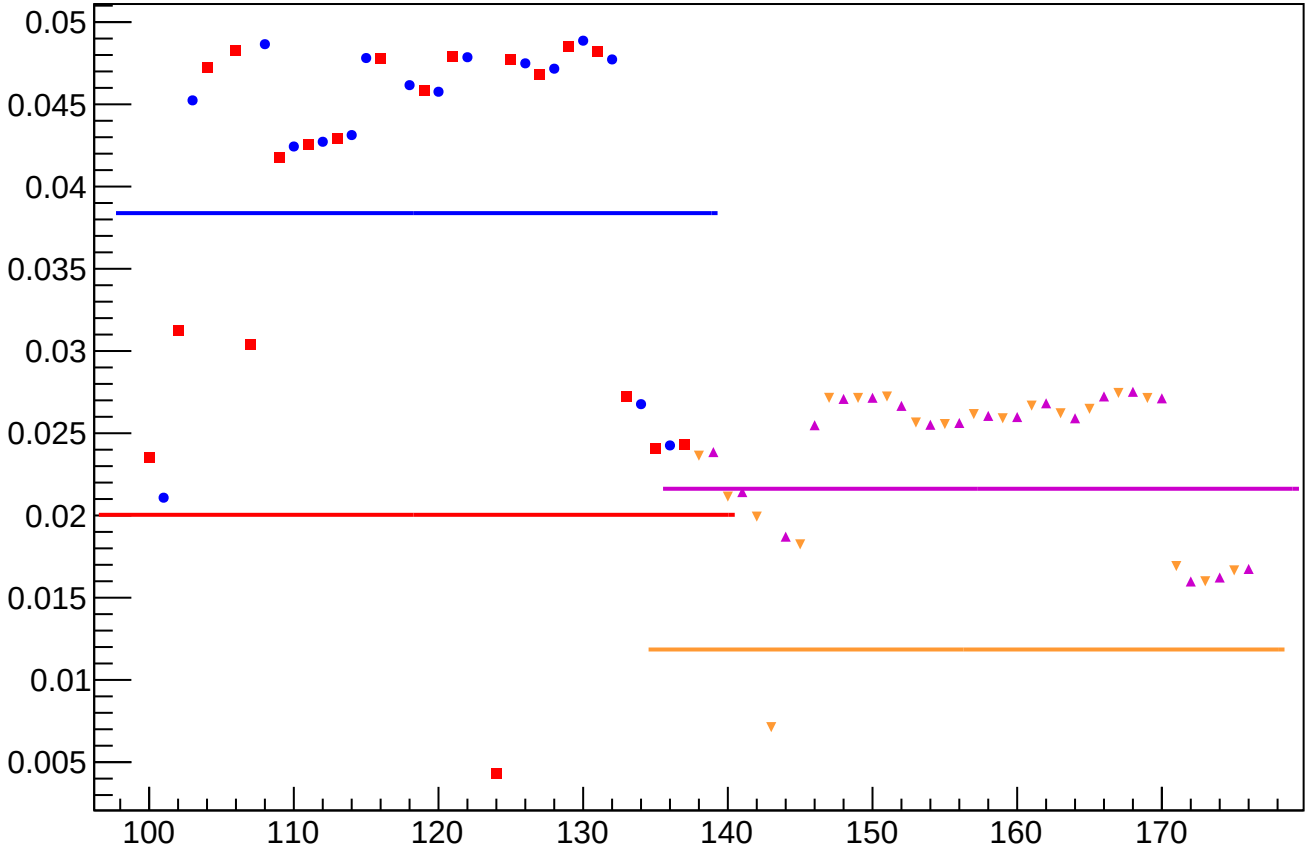
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021566.6/34

Out: 0.000+/-0.000 χ^2/NDF:5749233.7/38

All: 0.000+/-0.000 χ^2/NDF: 7237046.6/73

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:34496443753.4/19

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4985916391.0/18

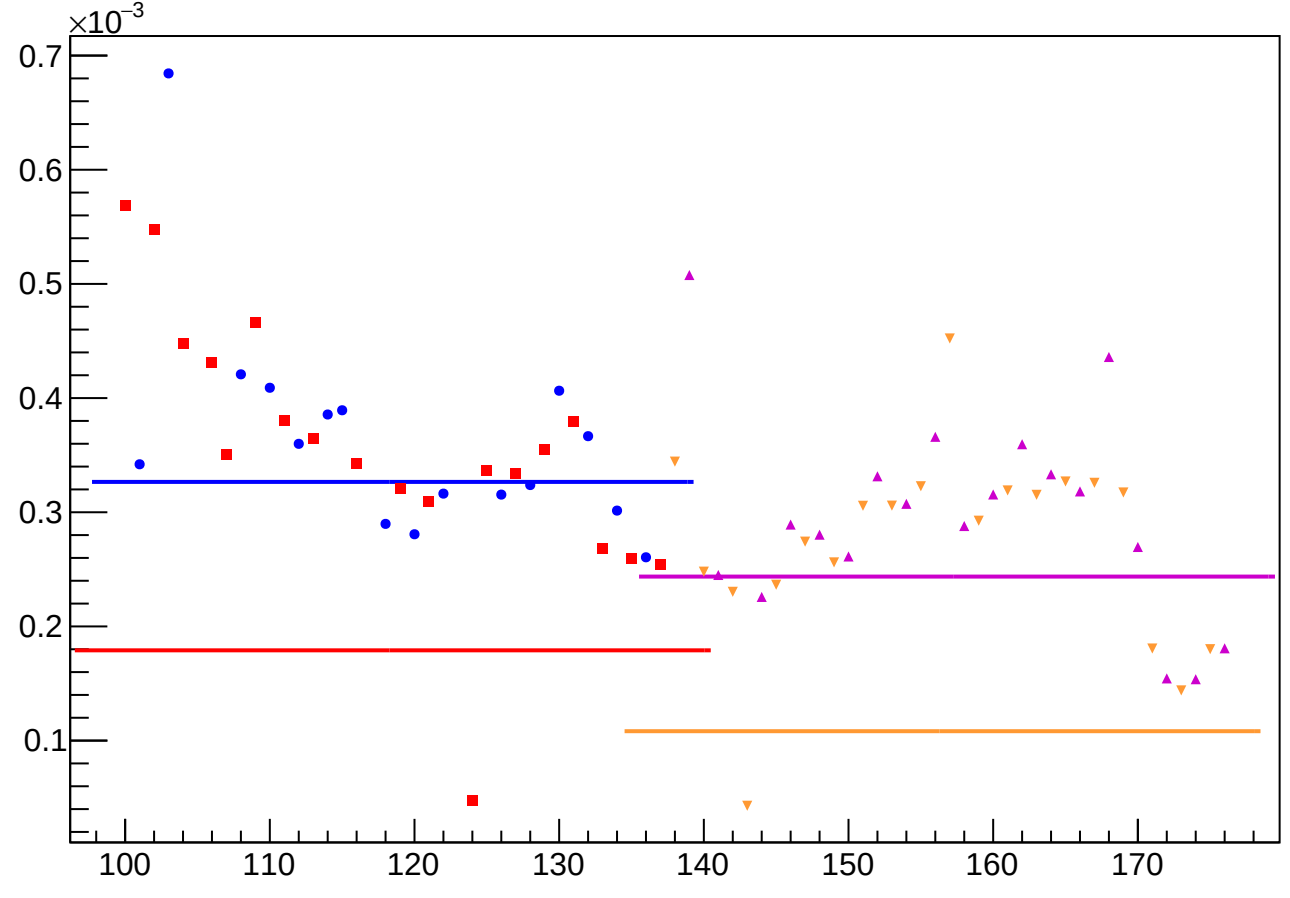
Left: 0.014+/-0.000 χ^2/NDF: 54937121192.3/38

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.025+/-0.000 χ^2/NDF:25116515802.6/34

Out: 0.013+/-0.000 χ^2/NDF:83567708665.1/38

All: 0.016+/-0.000 χ^2/NDF: 138240616604.2



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13551643.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2788286.8/18

Left: 0.000+/-0.000 χ^2/NDF: 22274458.5/38

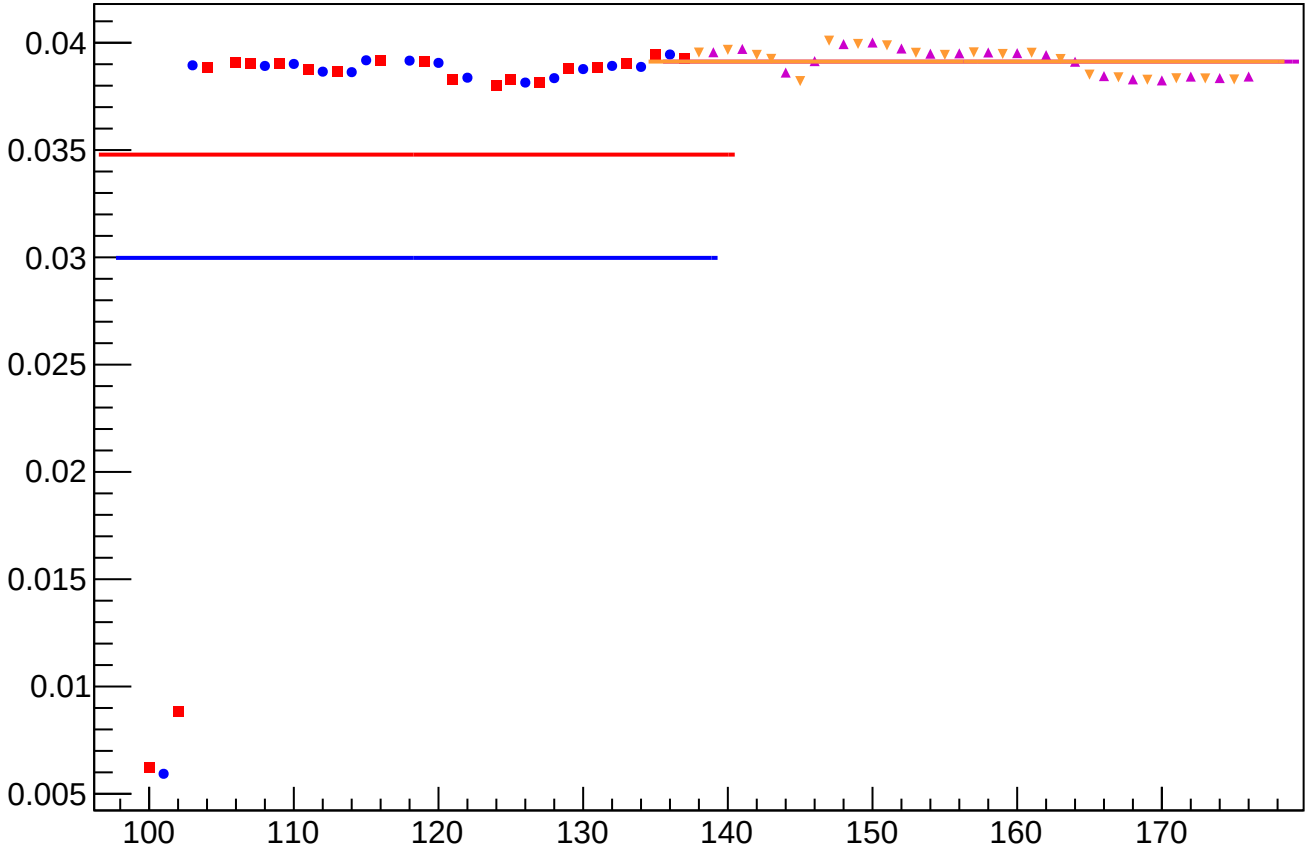
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:4008717.3/34

Out: 0.000+/-0.000 χ^2/NDF:20242480.1/38

All: 0.000+/-0.000 χ^2/NDF: 32421555.1/73

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:371920294.2/19

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:327219282.3/18

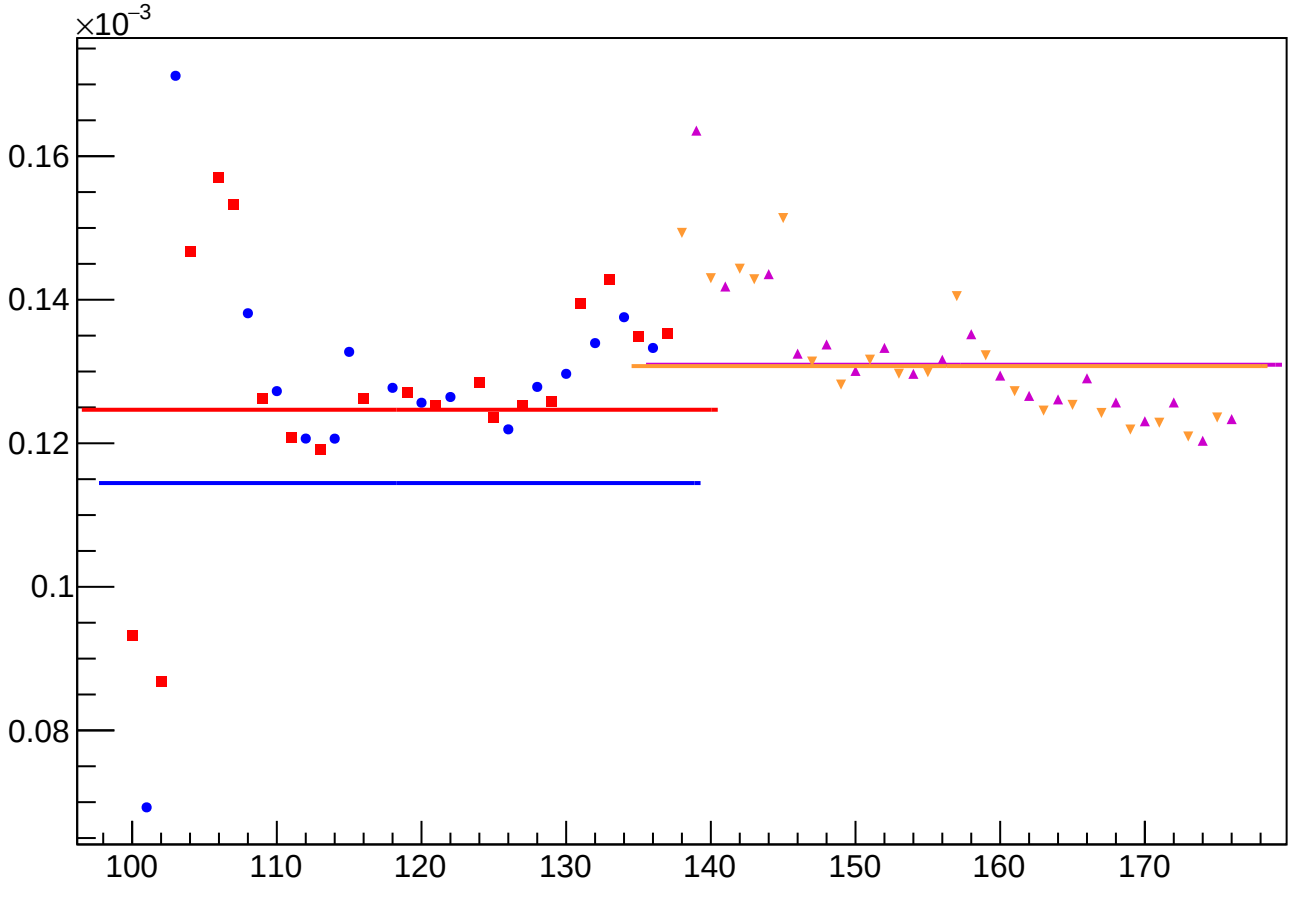
Left: 0.039+/-0.000 χ^2/NDF: 699141979.7/38

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:135538887949.7/34

Out: 0.038+/-0.000 χ^2/NDF:53244843806.1/38

All: 0.037+/-0.000 χ^2/NDF: 191273477867.9



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:133739.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:126660.9/18

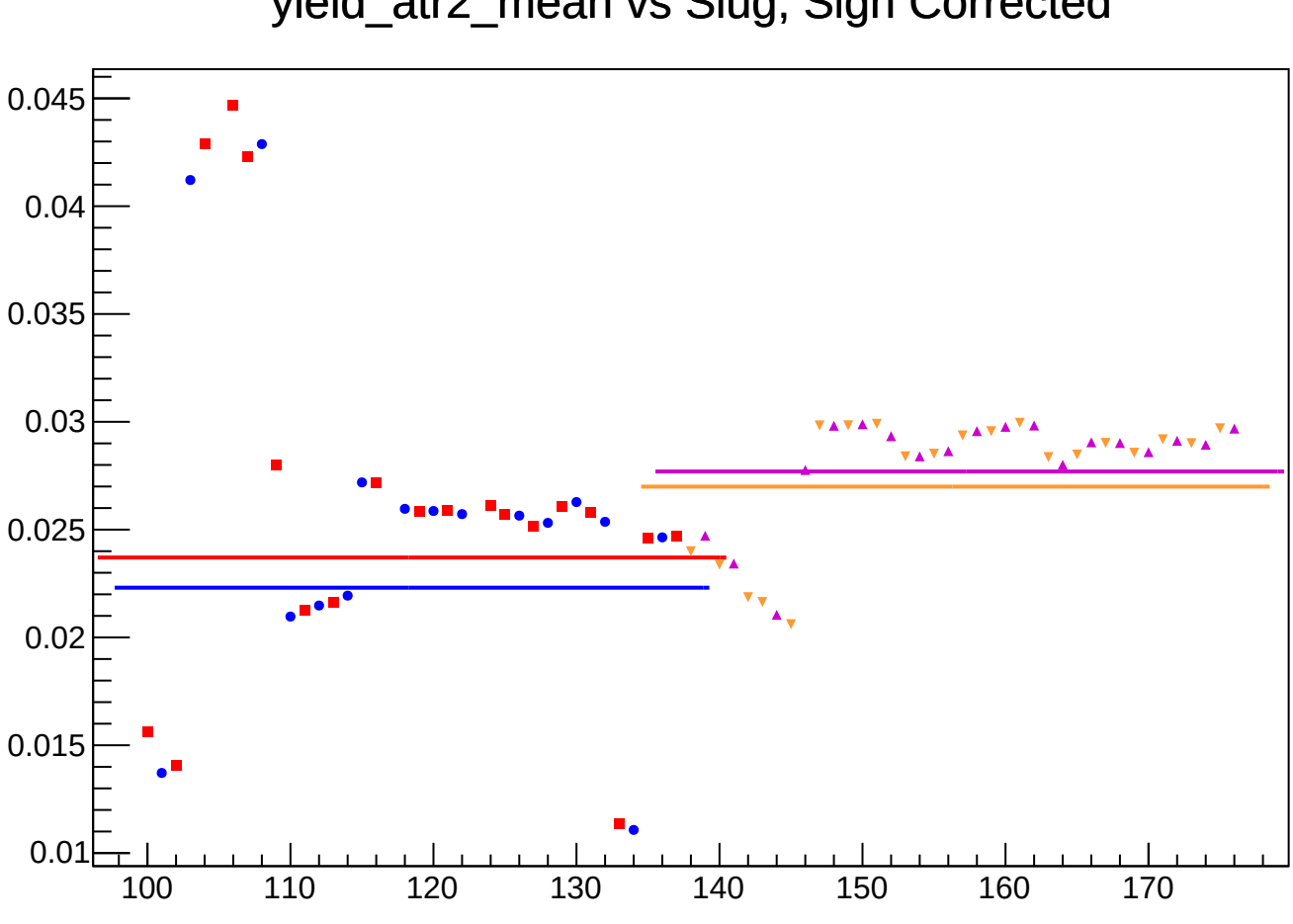
Left: 0.000+/-0.000 χ^2/NDF: 260432.6/38

Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

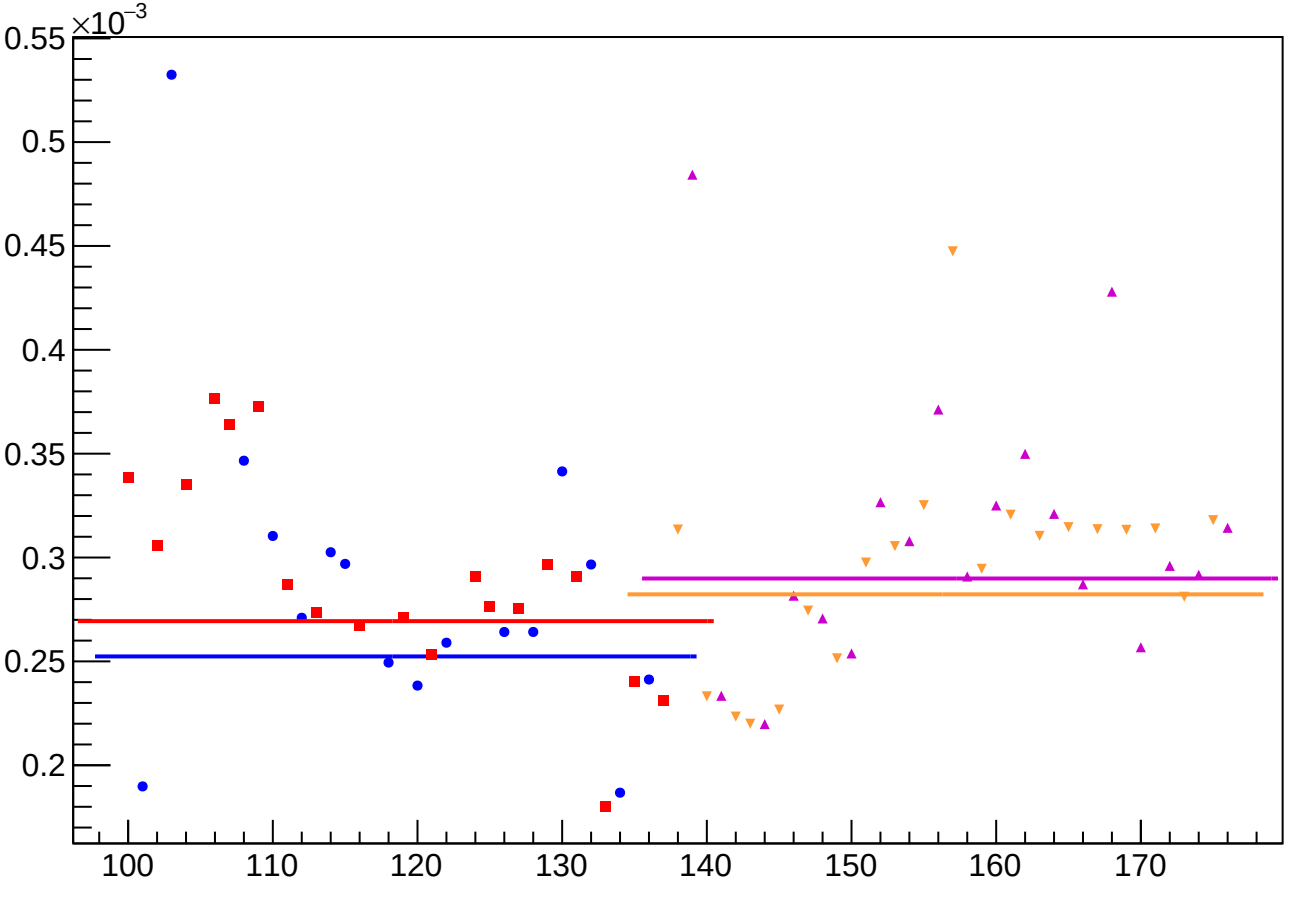
In: 0.000+/-0.000 χ^2/NDF:1154820.7/34

Out: 0.000+/-0.000 χ^2/NDF:416208.1/38

All: 0.000+/-0.000 χ^2/NDF: 1590978.5/73


yield_atr2_mean vs Slug, Sign Corrected
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.027+/-0.000 χ²/NDF:2028580294.6/19
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.028+/-0.000 χ²/NDF:1358111147.8/18
Left: 0.027+/-0.000 χ²/NDF: 3428282977.7/38
Right: 0.023+/-0.000 χ²/NDF: 10685664717.3/34
In: 0.026+/-0.000 χ²/NDF:8156721403.7/34
Out: 0.026+/-0.000 χ²/NDF:8249292902.8/38
All: 0.026+/-0.000 χ²/NDF: 16411166105.7/7

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:676624.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:930472.5/18

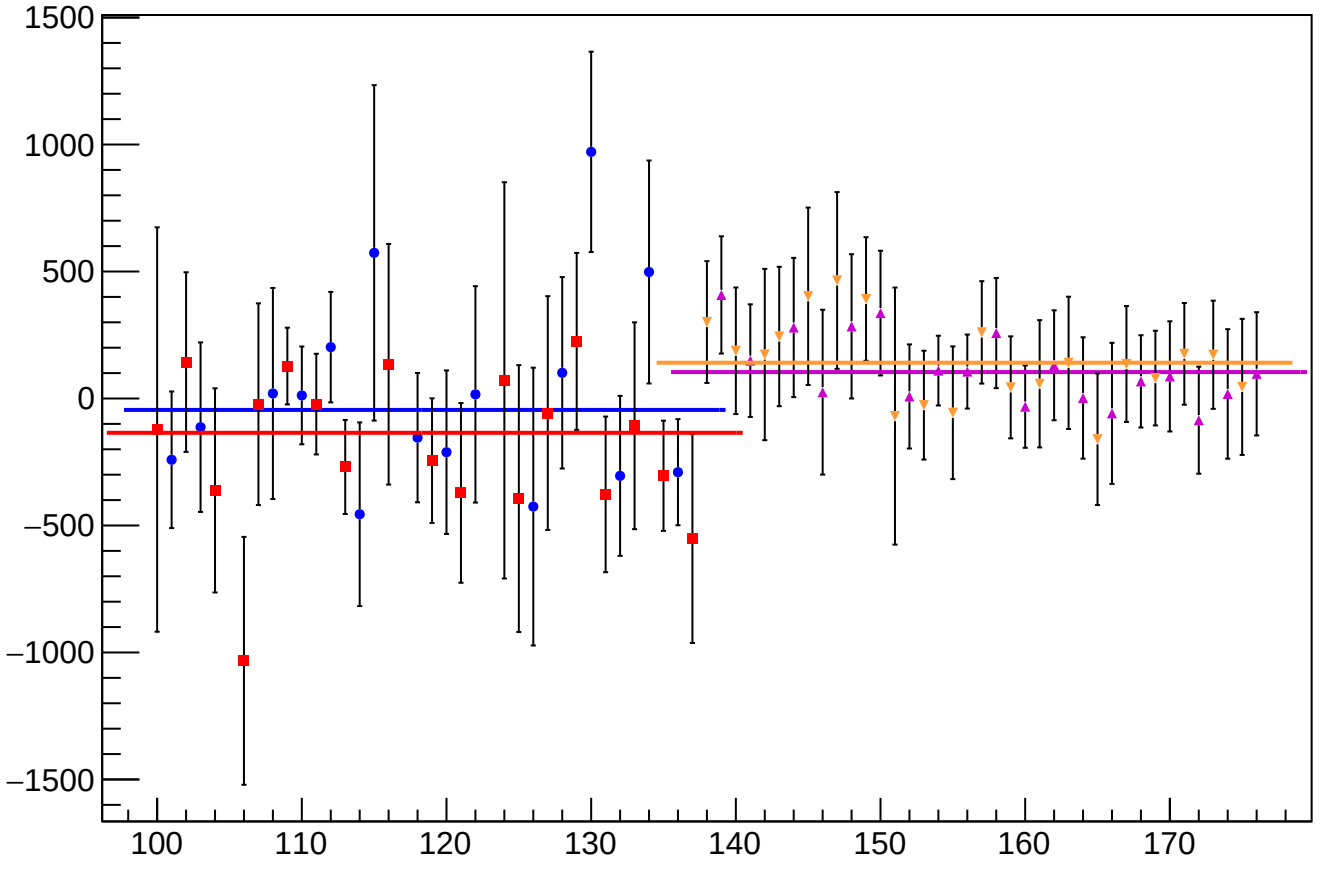
Left: 0.000+/-0.000 χ^2/NDF: 1616959.0/38

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1811546.3/34

Out: 0.000+/-0.000 χ^2/NDF:1142648.6/38

All: 0.000+/-0.000 χ^2/NDF: 2955257.4/73



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.959+/-54.786 χ^2/NDF:6.8/19

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 104.047+/-48.092 χ^2/NDF:6.5/18

Left: 120.111+/-36.142 χ^2/NDF: 13.5/38

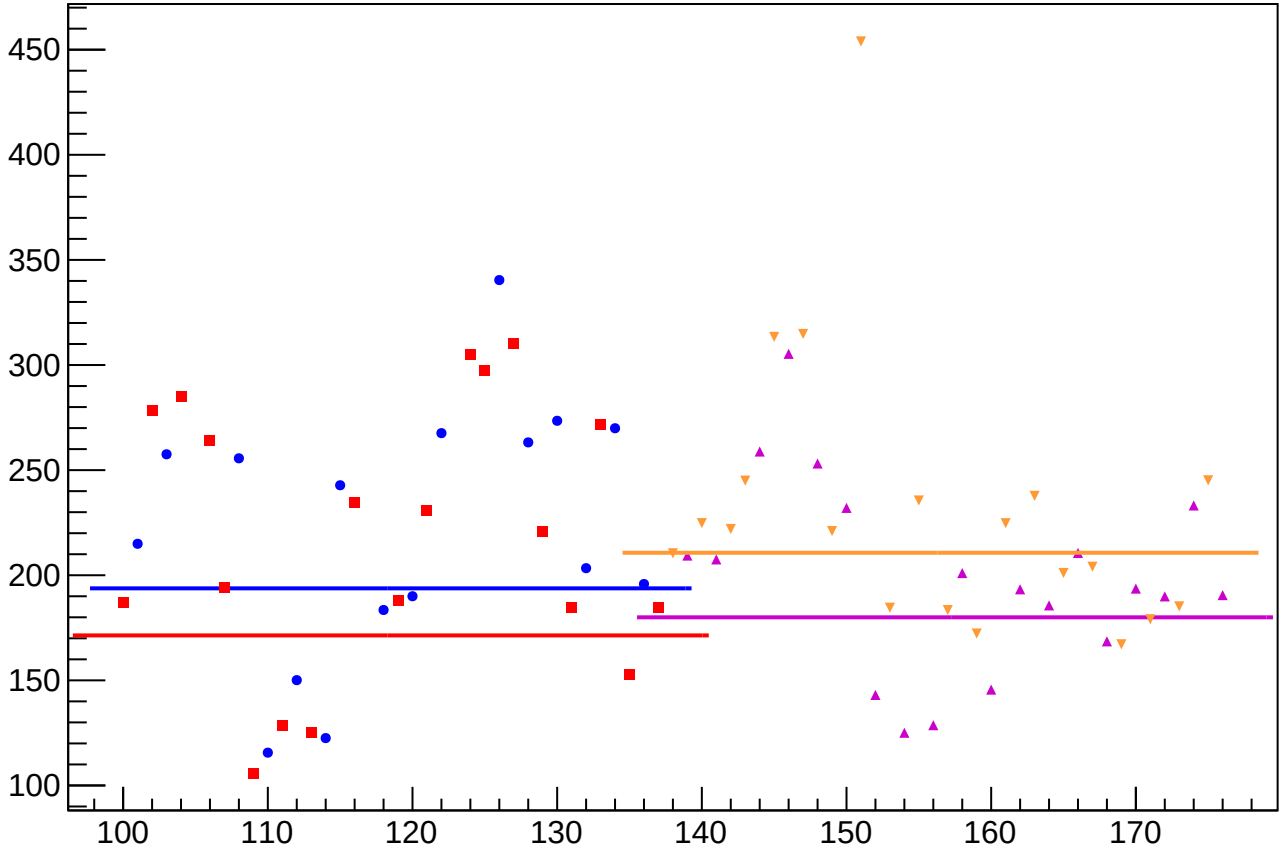
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 61.612+/-40.669 χ^2/NDF:24.7/34

Out: 32.459+/-42.678 χ^2/NDF:29.7/38

All: 47.738+/-29.442 χ^2/NDF: 54.6/73

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: 210.704+/-0.039 χ^2/NDF:1268208.0/19

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

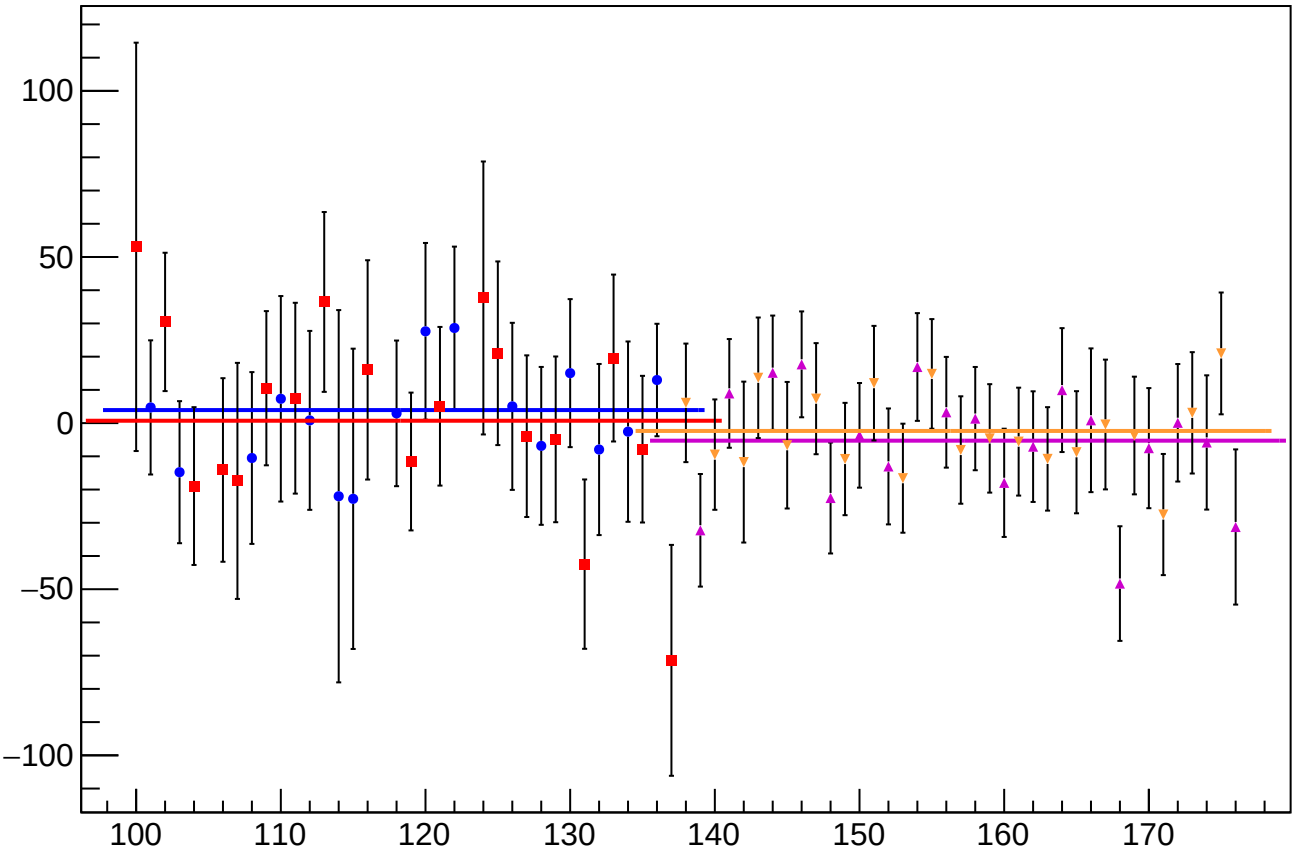
Left: 193.354+/-0.026 χ^2/NDF: 3258861.8/38

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.911+/-0.029 χ^2/NDF:2730393.4/34

Out: 195.243+/-0.030 χ^2/NDF:3331382.3/38

All: 189.304+/-0.021 χ^2/NDF: 6135684.6/73



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.360+/-3.912 χ^2/NDF:8.7/19

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -5.286+/-3.976 χ^2/NDF:19.3/18

Left: -3.800+/-2.789 χ^2/NDF: 28.3/38

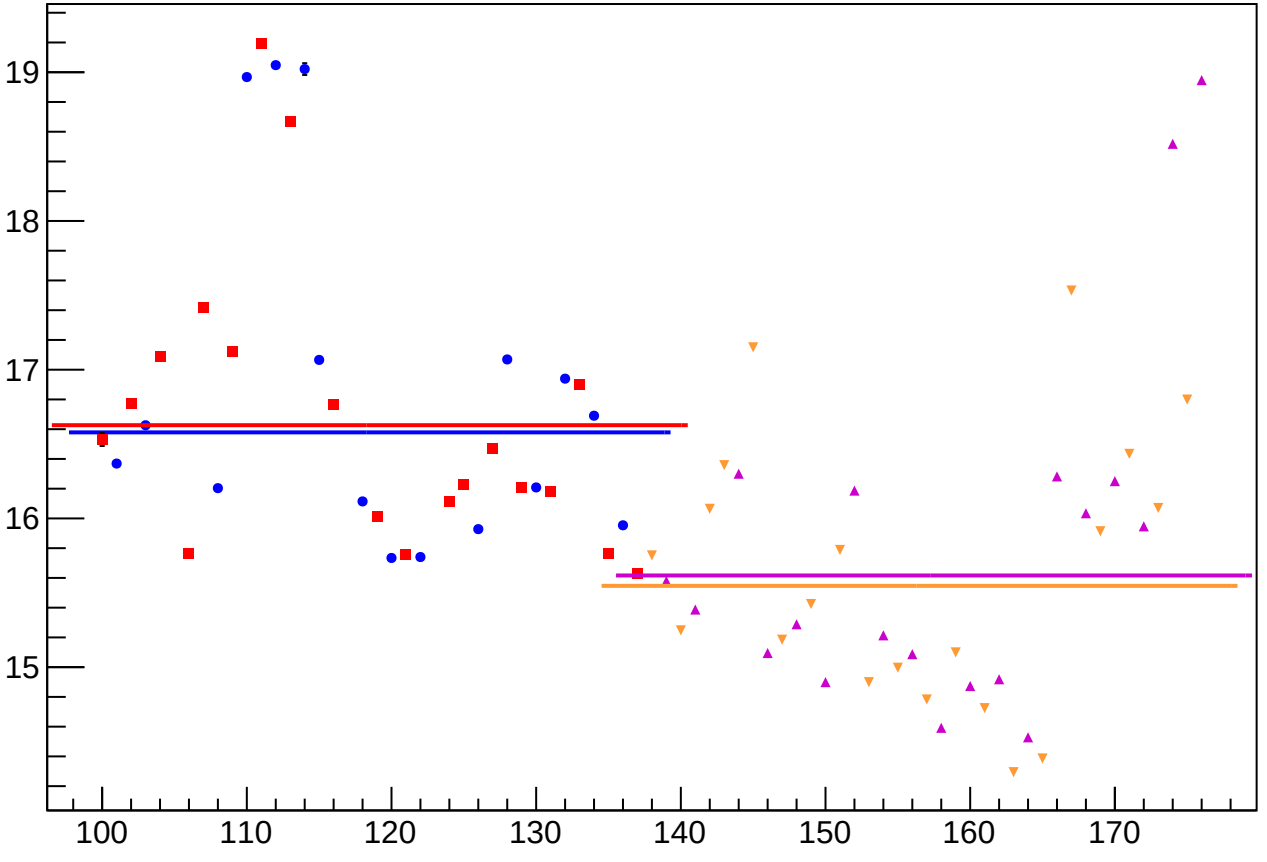
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -2.585+/-3.342 χ^2/NDF:25.4/34

Out: -1.459+/-3.289 χ^2/NDF:24.8/38

All: -2.013+/-2.344 χ^2/NDF: 50.2/73

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: 15.547+/-0.003 χ^2/NDF:96044.2/19

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.616+/-0.003 χ^2/NDF:127339.9/18

Left: 15.581+/-0.002 χ^2/NDF: 223695.6/38

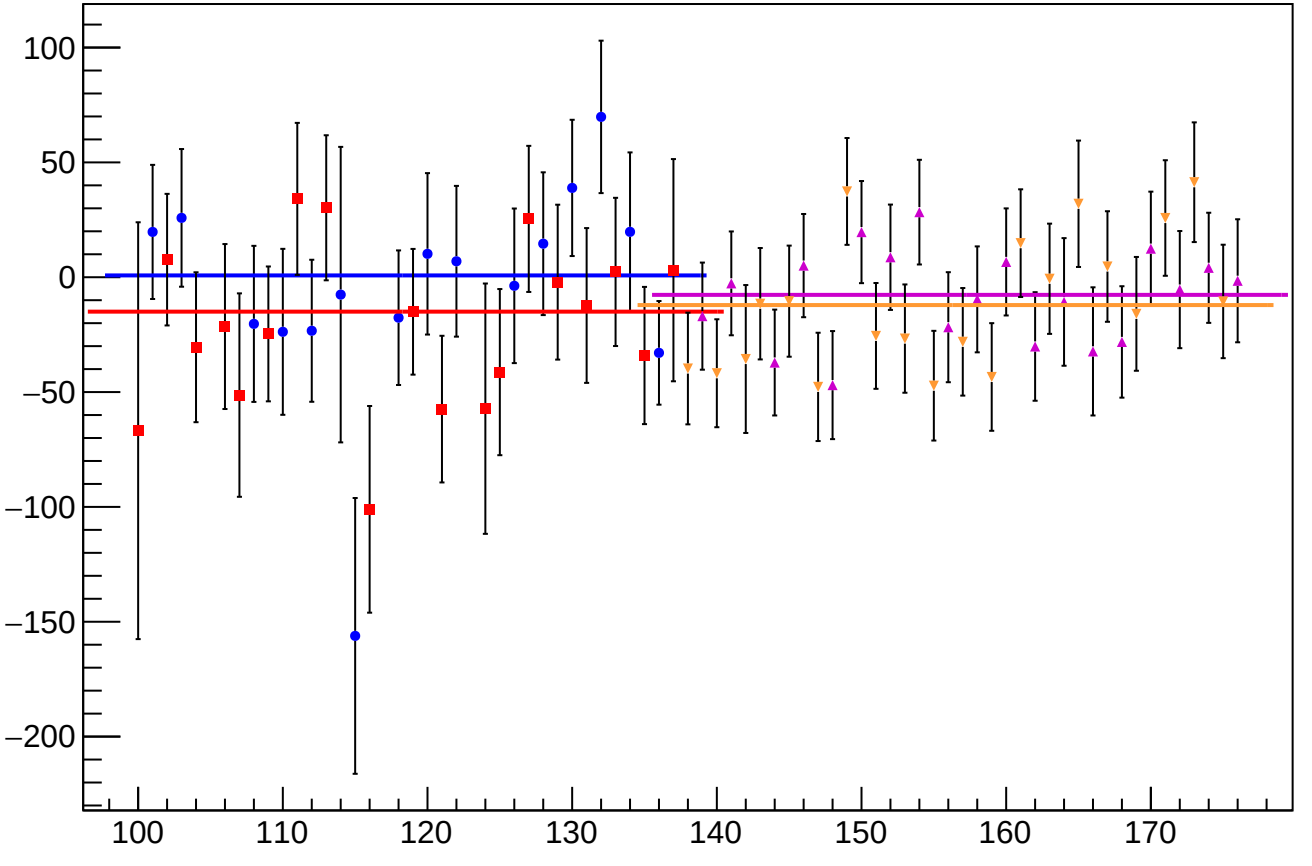
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.899+/-0.002 χ^2/NDF:206269.2/34

Out: 15.863+/-0.002 χ^2/NDF:184174.3/38

All: 15.881+/-0.002 χ^2/NDF: 390557.0/73

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: -12.120+/-5.461 χ^2/NDF:26.5/19

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.678+/-5.493 χ^2/NDF:13.6/18

Left: -9.912+/-3.873 χ^2/NDF: 40.4/38

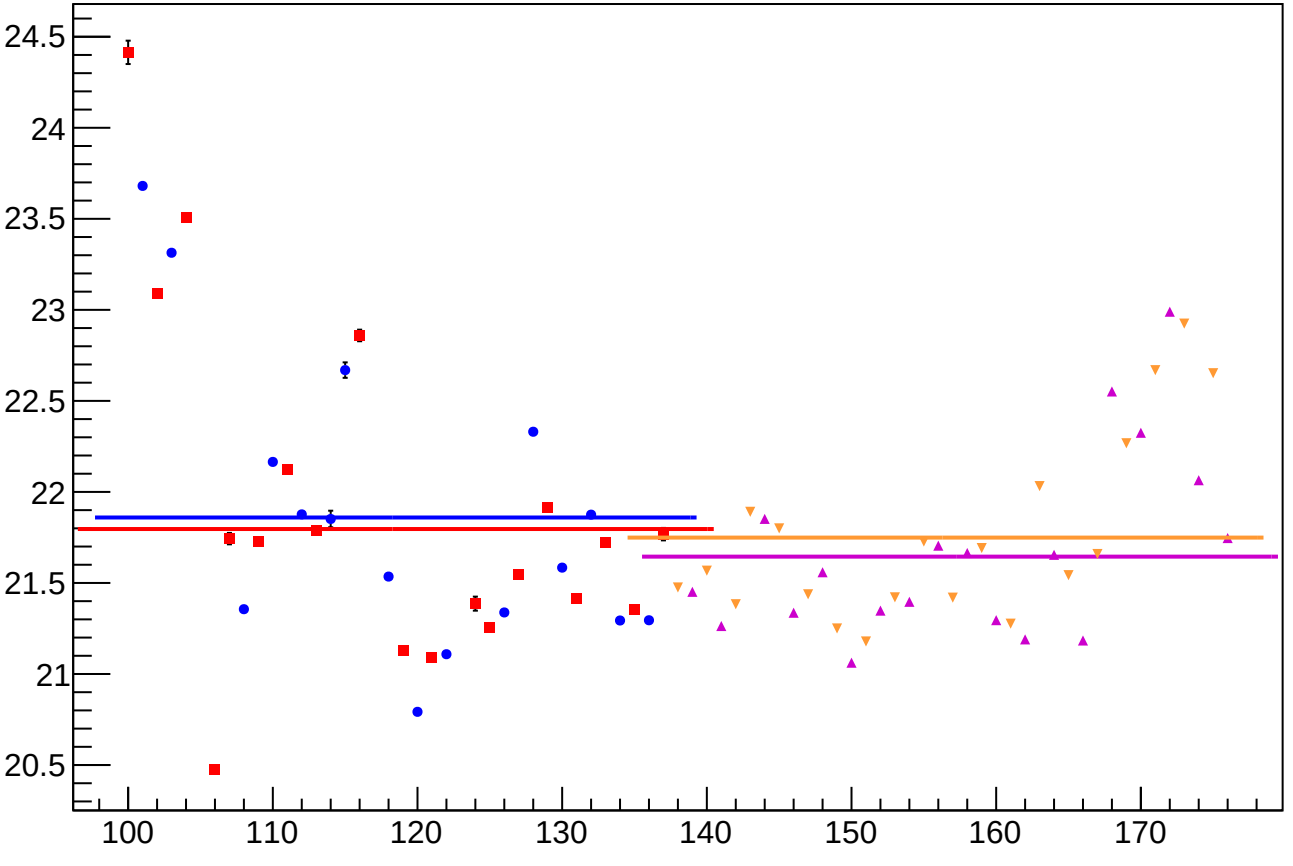
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.022+/-4.550 χ^2/NDF:33.0/34

Out: -13.036+/-4.502 χ^2/NDF:42.0/38

All: -9.072+/-3.200 χ^2/NDF: 76.5/73

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: 21.749+/-0.004 χ^2/NDF:15522.2/19

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.645+/-0.004 χ^2/NDF:15469.5/18

Left: 21.697+/-0.003 χ^2/NDF: 31356.2/38

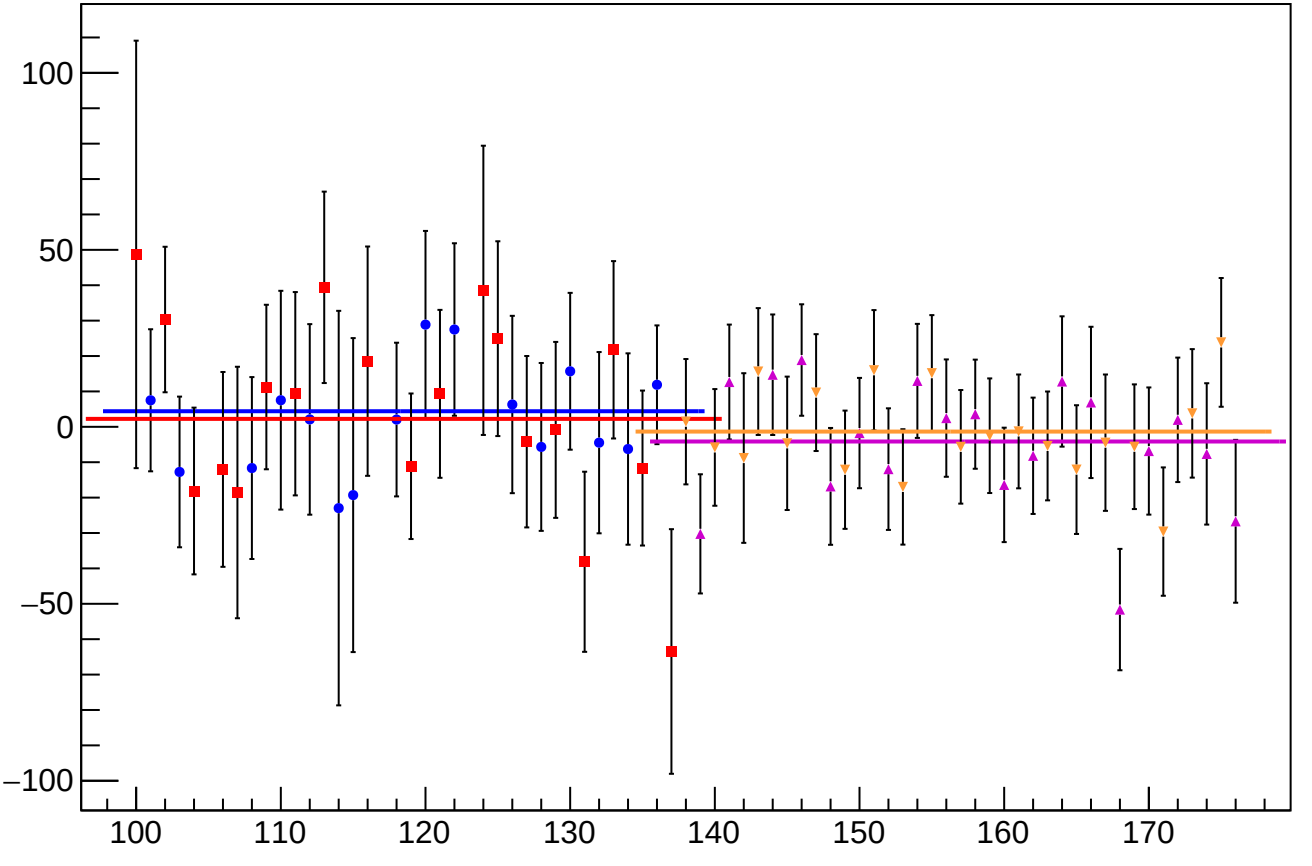
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.712+/-0.003 χ^2/NDF:35898.4/34

Out: 21.764+/-0.003 χ^2/NDF:34431.1/38

All: 21.738+/-0.002 χ^2/NDF: 70462.6/73

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: -1.343+/-3.876 χ^2/NDF:10.0/19

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.150+/-3.938 χ^2/NDF:19.8/18

Left: -2.724+/-2.762 χ^2/NDF: 30.0/38

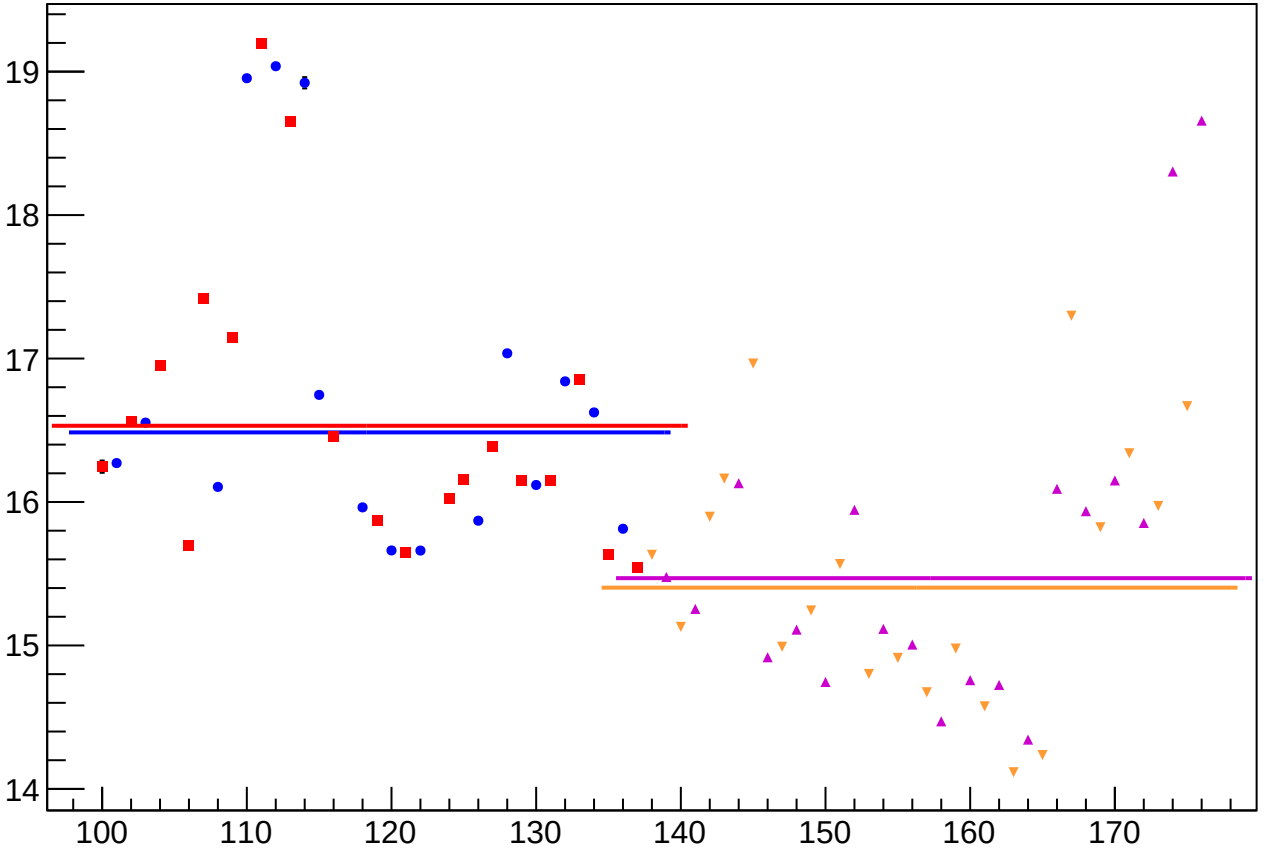
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -1.655+/-3.314 χ^2/NDF:25.4/34

Out: -0.298+/-3.262 χ^2/NDF:25.6/38

All: -0.966+/-2.325 χ^2/NDF: 51.1/73

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: 15.403+/-0.003 χ^2/NDF:95724.8/19

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.469+/-0.003 χ^2/NDF:124745.4/18

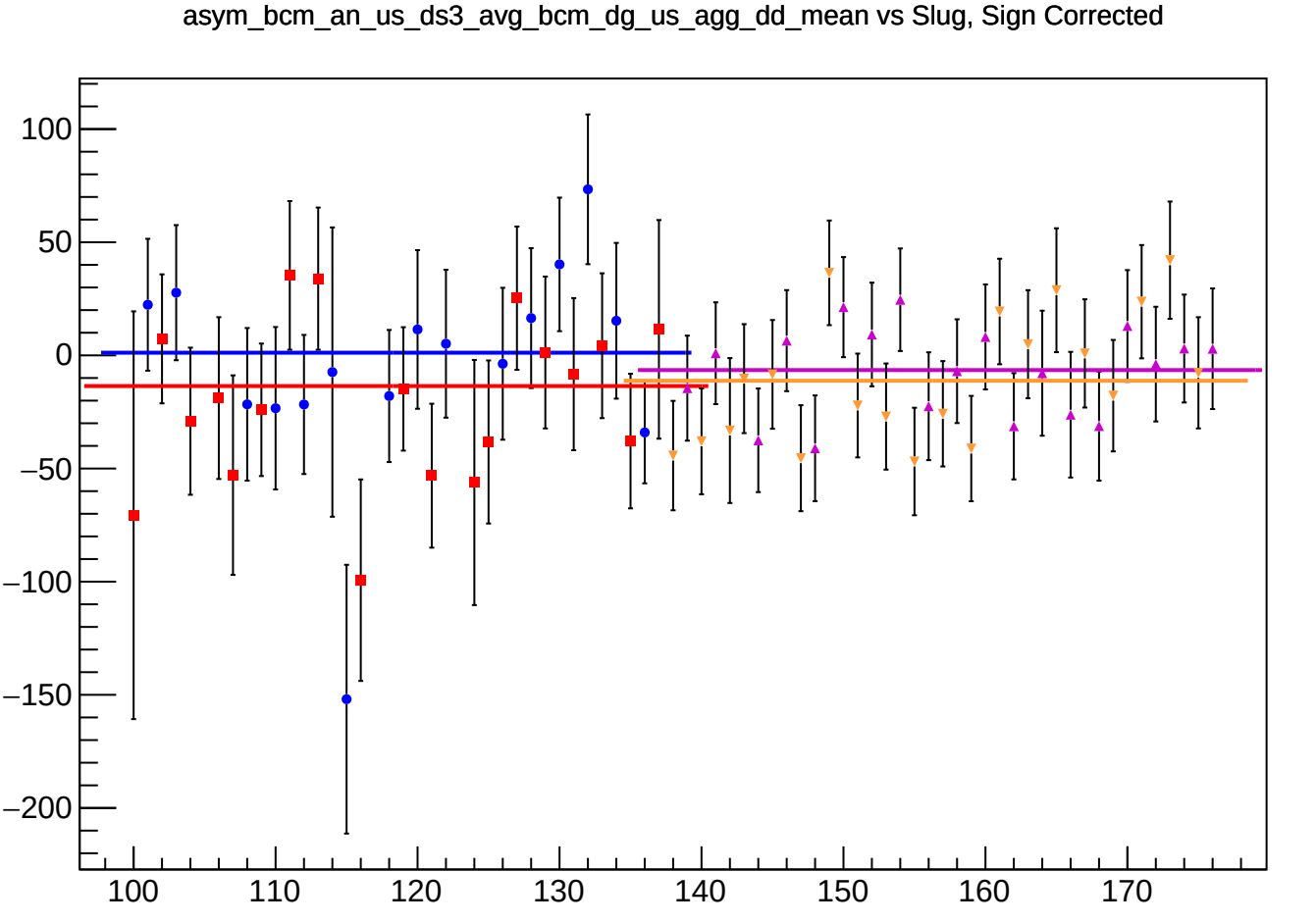
Left: 15.435+/-0.002 χ^2/NDF: 220757.1/38

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

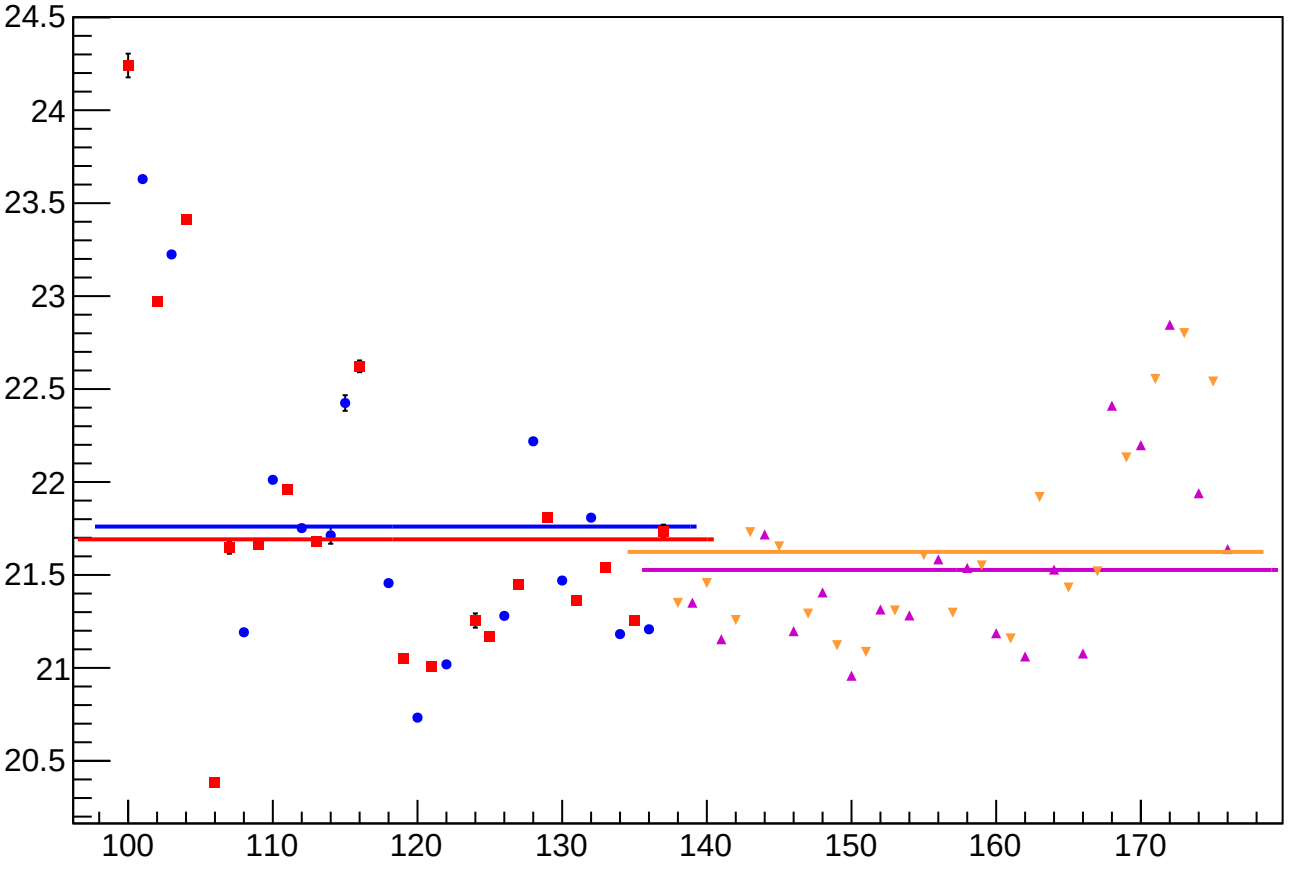
In: 15.765+/-0.002 χ^2/NDF:210761.0/34

Out: 15.732+/-0.002 χ^2/NDF:191615.6/38

All: 15.748+/-0.002 χ^2/NDF: 402480.8/73


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -11.204+/-5.430 χ²/NDF:25.9/19
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -6.496+/-5.463 χ²/NDF:13.0/18
Left: -8.864+/-3.851 χ²/NDF: 39.2/38
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -4.090+/-4.527 χ²/NDF:33.0/34
Out: -11.954+/-4.477 χ²/NDF:41.9/38
All: -8.065+/-3.183 χ²/NDF: 76.4/73

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: 21.624+/-0.004 χ^2/NDF:15646.8/19

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.527+/-0.004 χ^2/NDF:14991.3/18

Left: 21.576+/-0.003 χ^2/NDF: 30956.3/38

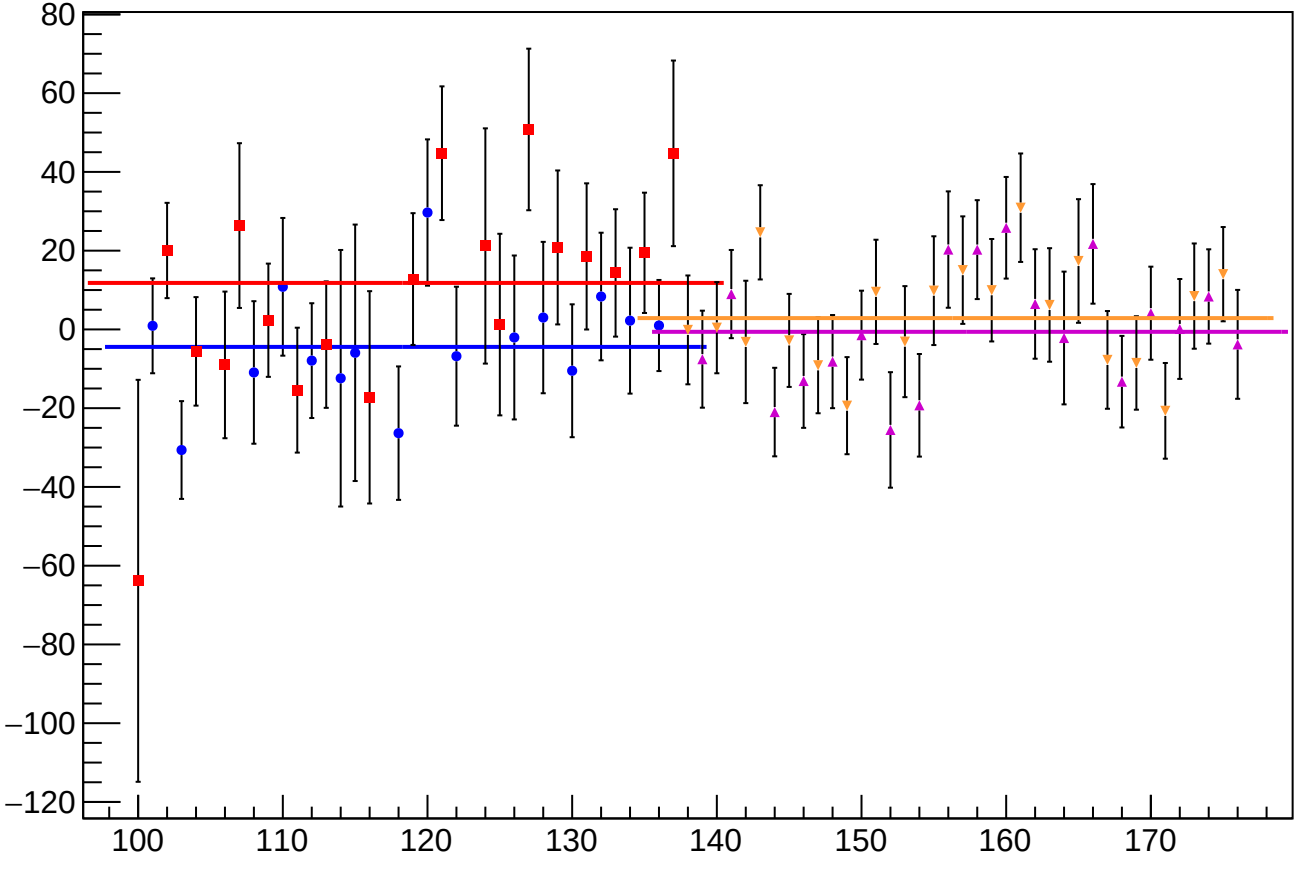
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.600+/-0.003 χ^2/NDF:35879.9/34

Out: 21.646+/-0.003 χ^2/NDF:34076.3/38

All: 21.623+/-0.002 χ^2/NDF: 70059.0/73

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.873+/-2.903 χ^2/NDF:21.3/19

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.609+/-2.911 χ^2/NDF:24.1/18

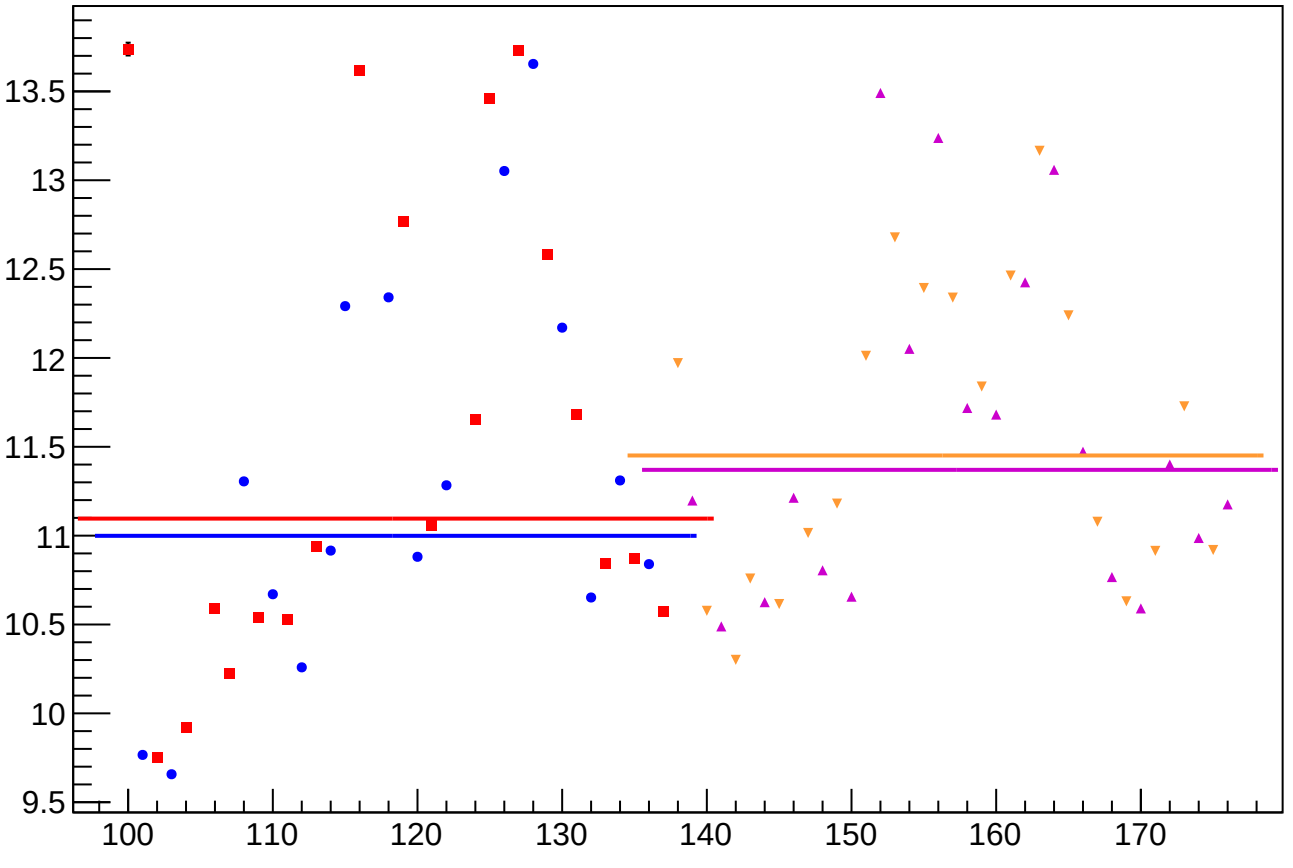
Left: 1.137+/-2.056 χ^2/NDF: 46.1/38

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.881+/-2.380 χ^2/NDF:36.7/34

Out: 5.859+/-2.369 χ^2/NDF:46.2/38

All: 2.007+/-1.679 χ^2/NDF: 88.2/73



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.451+/-0.002 χ^2/NDF:147963.6/19

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

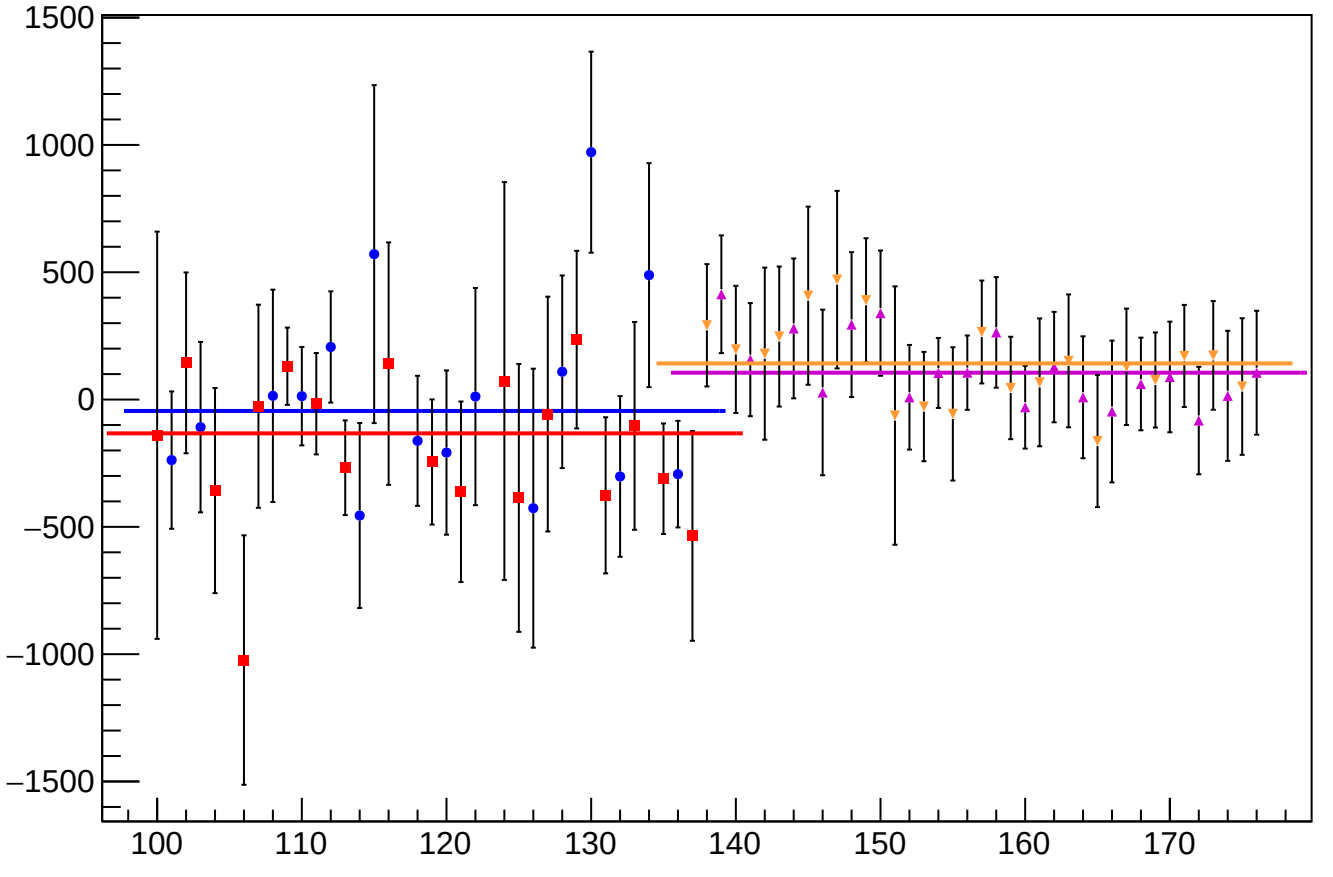
Left: 11.411+/-0.001 χ^2/NDF: 313351.1/38

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.247+/-0.002 χ^2/NDF:311568.1/34

Out: 11.332+/-0.002 χ^2/NDF:320878.8/38

All: 11.290+/-0.001 χ^2/NDF: 633738.7/73



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.407+/-48.172 χ^2/NDF:6.5/18

Left: 121.322+/-36.204 χ^2/NDF: 13.6/38

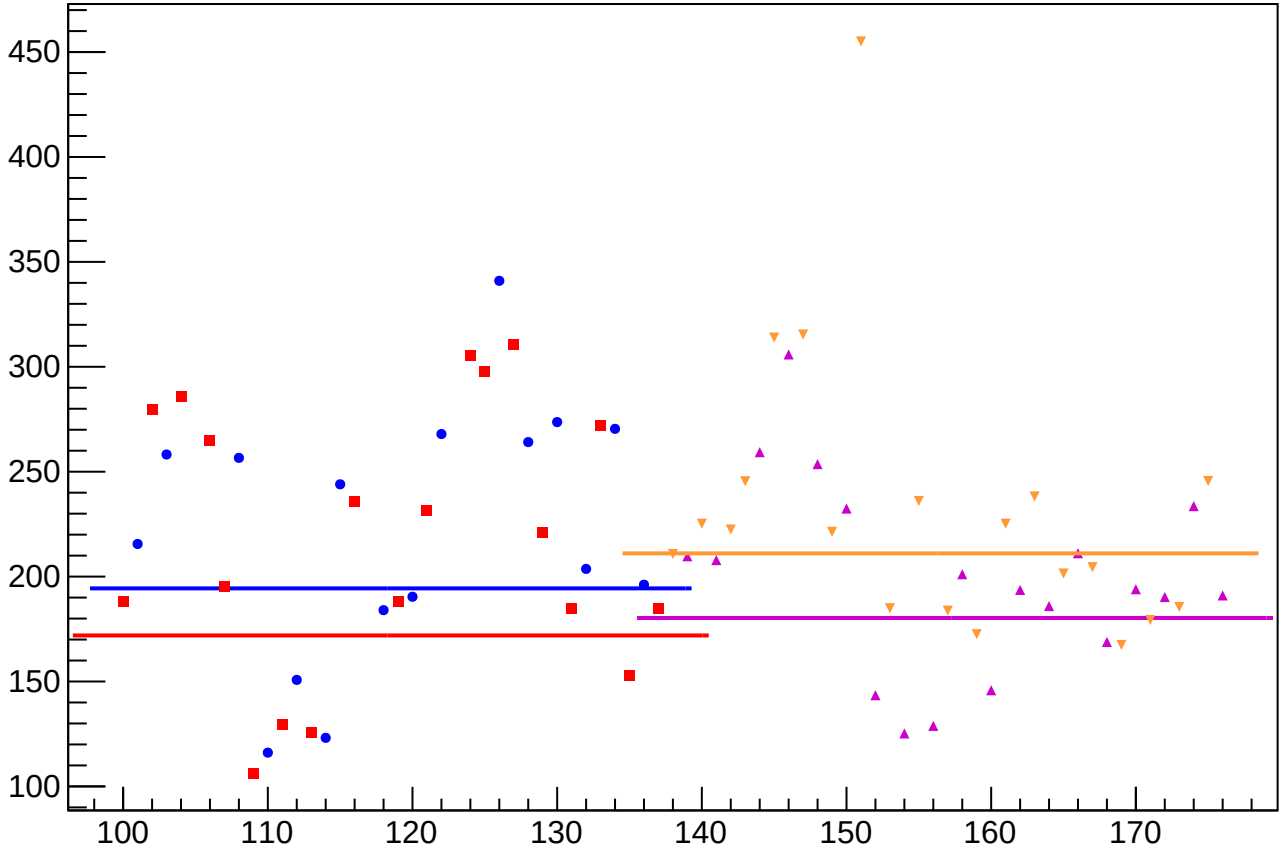
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.698+/-40.752 χ^2/NDF:24.7/34

Out: 34.138+/-42.775 χ^2/NDF:29.5/38

All: 49.109+/-29.505 χ^2/NDF: 54.5/73

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: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

Left: 193.680+/-0.026 χ^2/NDF: 3260913.7/38

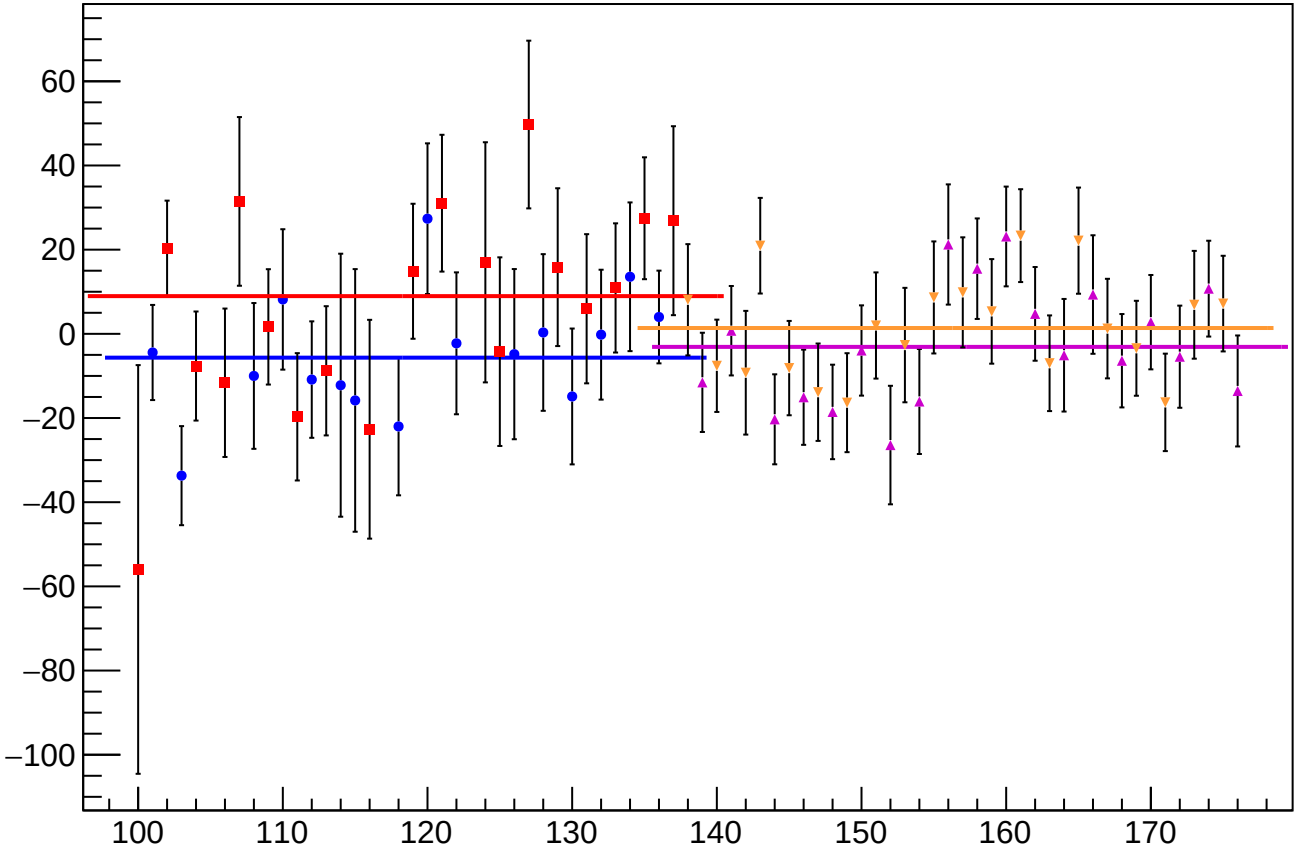
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.292+/-0.029 χ^2/NDF:2726812.8/34

Out: 195.713+/-0.030 χ^2/NDF:3319624.7/38

All: 189.726+/-0.021 χ^2/NDF: 6121179.3/73

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.098+/-2.724 χ^2/NDF:24.1/18

Left: -0.837+/-1.917 χ^2/NDF: 45.7/38

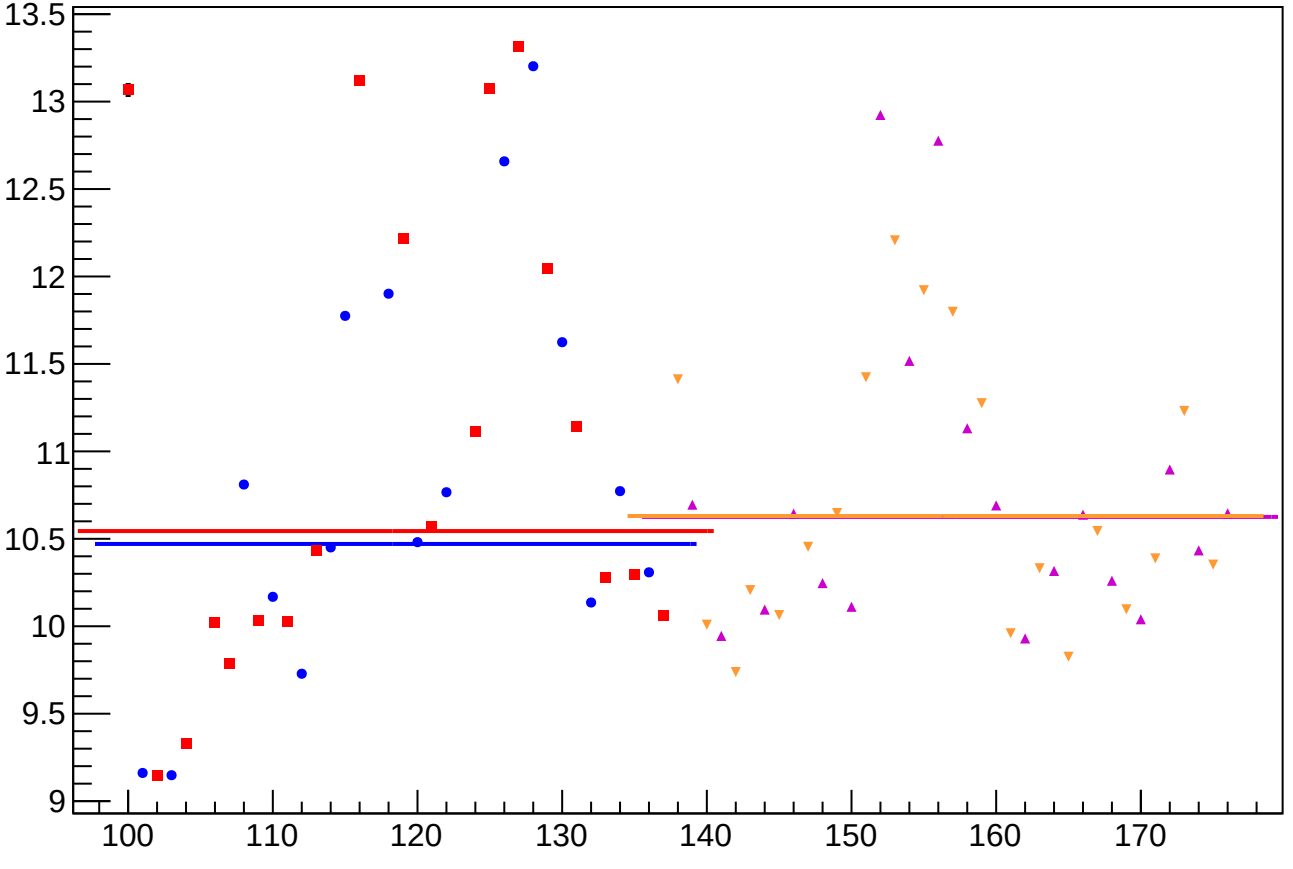
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.926+/-2.240 χ^2/NDF:38.1/34

Out: 3.836+/-2.219 χ^2/NDF:45.6/38

All: -0.009+/-1.577 χ^2/NDF: 89.7/73

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: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

Left: 10.628+/-0.001 χ^2/NDF: 282737.2/38

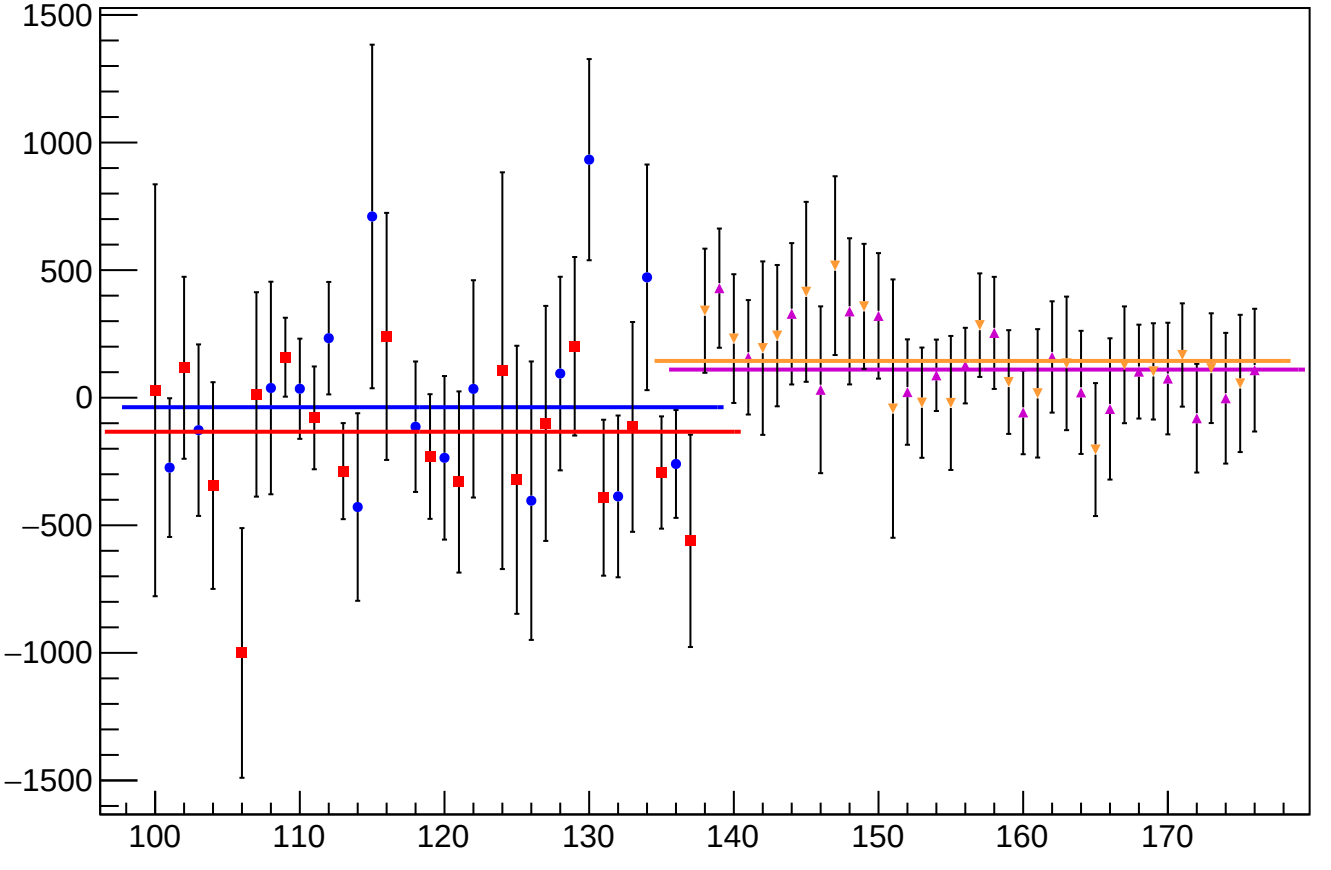
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.575+/-0.002 χ^2/NDF:310120.8/34

Out: 10.603+/-0.002 χ^2/NDF:319501.5/38

All: 10.589+/-0.001 χ^2/NDF: 629772.8/73

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.174+/-55.250 χ^2/NDF:7.4/19

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 110.196+/-48.588 χ^2/NDF:7.2/18

Left: 125.014+/-36.486 χ^2/NDF: 14.8/38

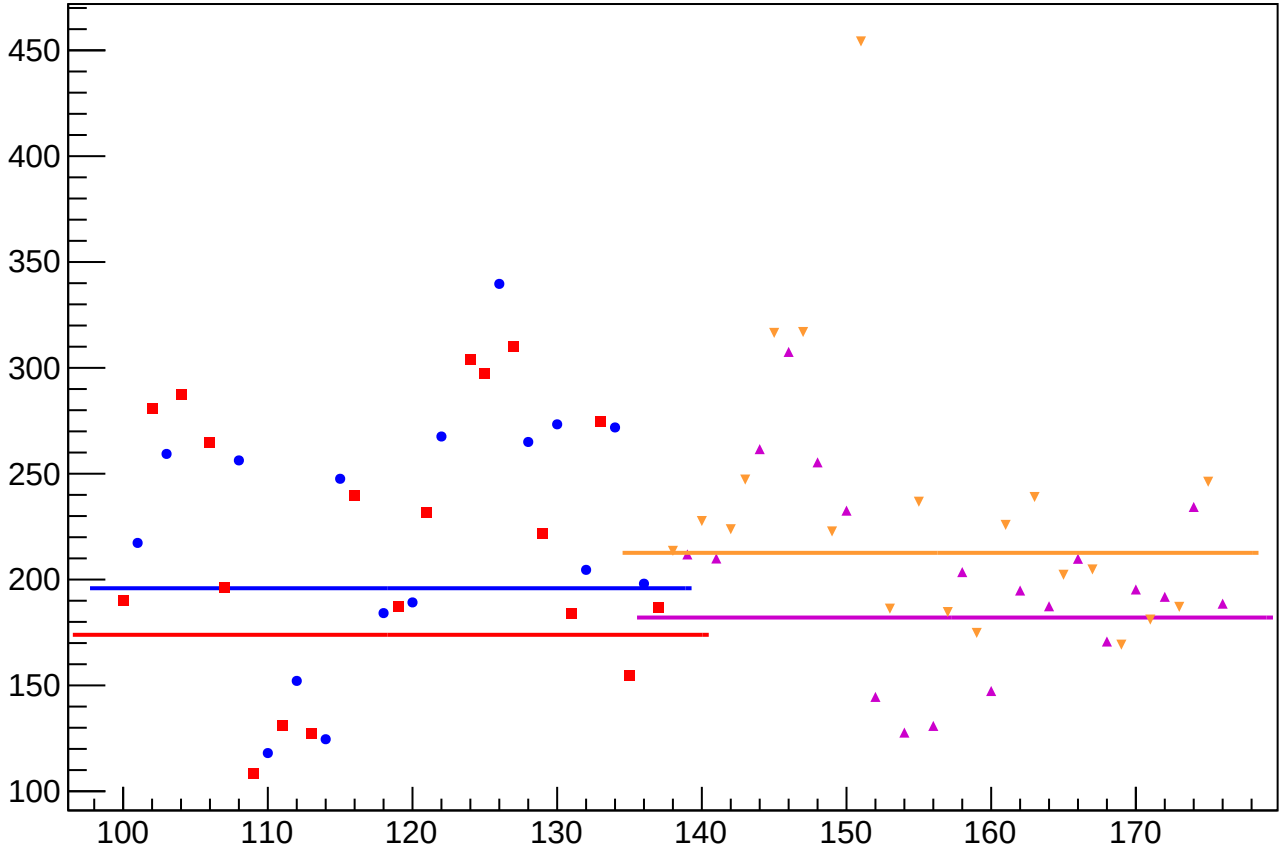
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.141+/-41.078 χ^2/NDF:25.5/34

Out: 35.517+/-43.100 χ^2/NDF:30.2/38

All: 52.612+/-29.736 χ^2/NDF: 55.9/73

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: 212.624+/-0.039 χ^2/NDF:1249079.3/19

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

Left: 195.388+/-0.026 χ^2/NDF: 3179506.7/38

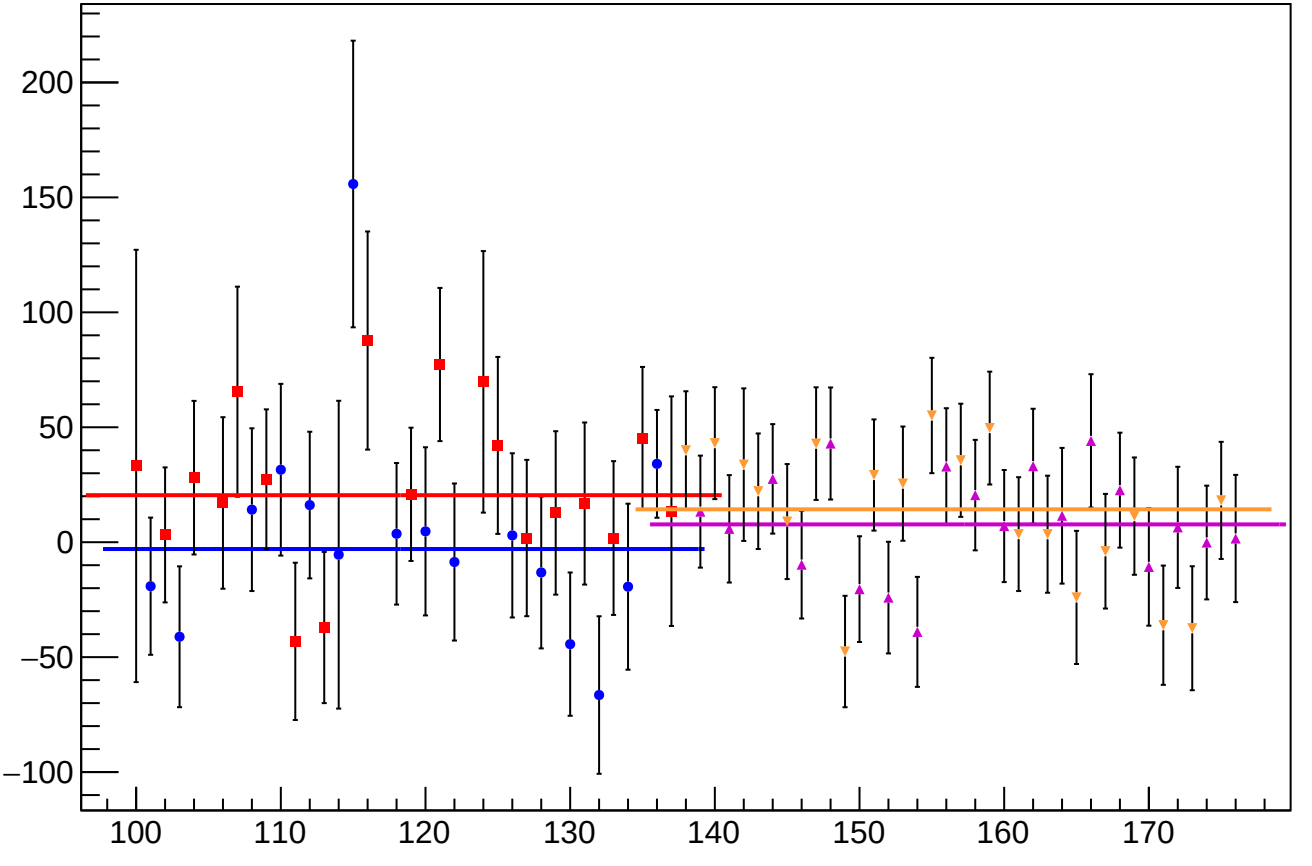
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 186.006+/-0.029 χ^2/NDF:2642569.7/34

Out: 197.465+/-0.030 χ^2/NDF:3233266.0/38

All: 191.461+/-0.021 χ^2/NDF: 5949915.0/73

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: 14.297+/-5.698 χ^2/NDF:27.0/19

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 7.750+/-5.723 χ^2/NDF:15.3/18

Left: 11.038+/-4.038 χ^2/NDF: 43.0/38

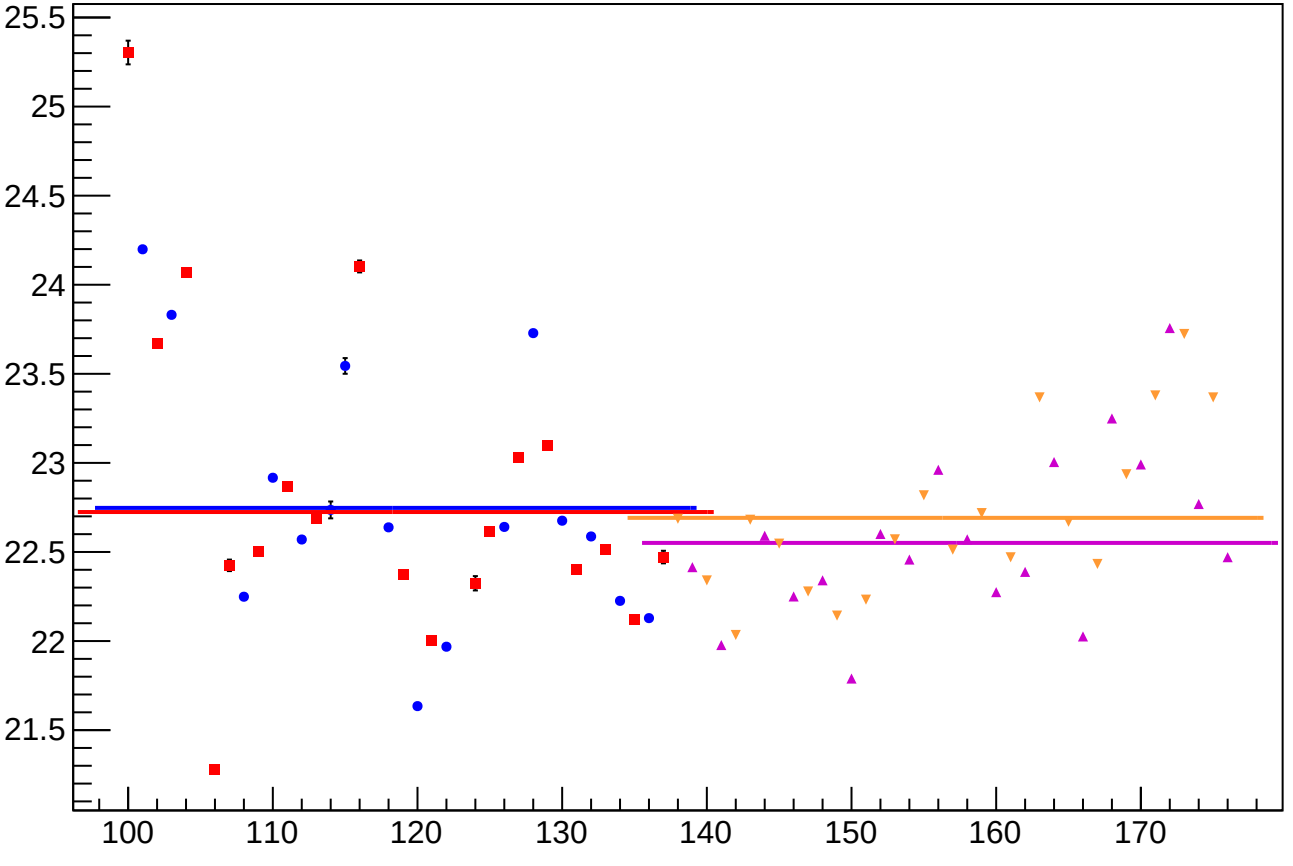
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.382+/-4.739 χ^2/NDF:34.4/34

Out: 16.273+/-4.696 χ^2/NDF:42.6/38

All: 10.382+/-3.336 χ^2/NDF: 80.2/73

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: 22.692+/-0.004 χ^2/NDF:11501.8/19

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

Left: 22.622+/-0.003 χ^2/NDF: 24597.2/38

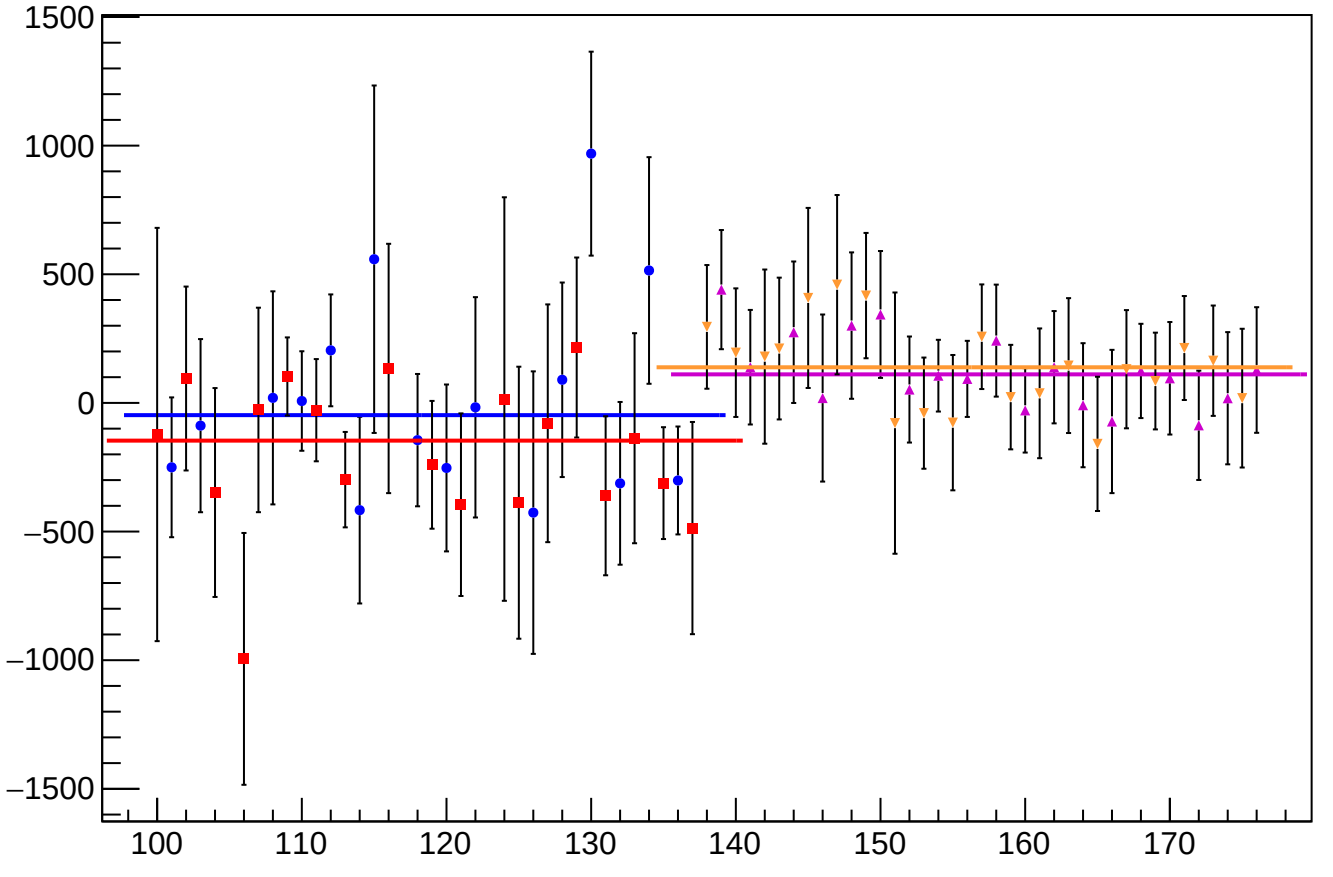
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.613+/-0.003 χ^2/NDF:27853.3/34

Out: 22.702+/-0.003 χ^2/NDF:26013.6/38

All: 22.658+/-0.002 χ^2/NDF: 54225.5/73

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: 138.478+/-55.143 χ^2/NDF:7.4/19

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 110.976+/-48.497 χ^2/NDF:6.7/18

Left: 122.970+/-36.417 χ^2/NDF: 14.3/38

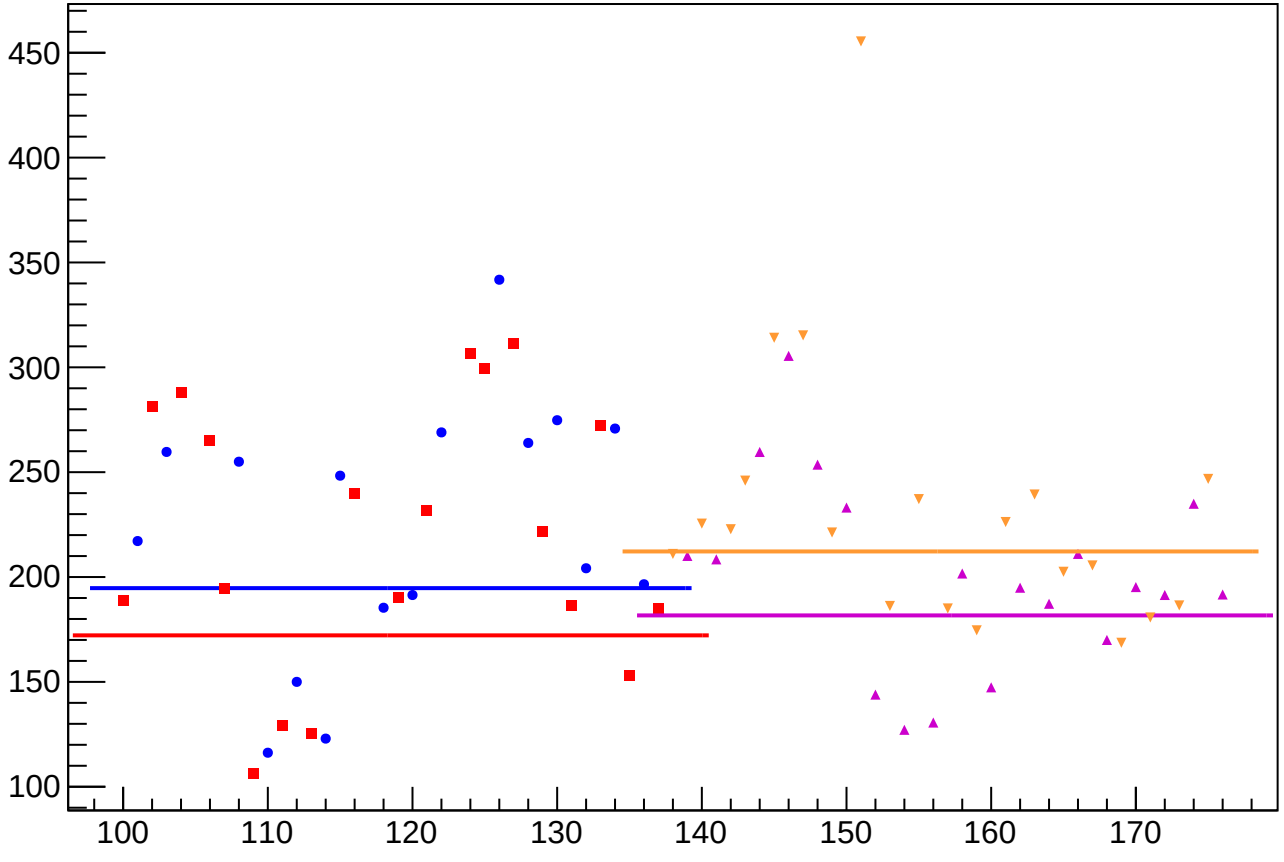
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 65.599+/-40.970 χ^2/NDF:25.2/34

Out: 26.187+/-42.929 χ^2/NDF:29.5/38

All: 46.812+/-29.639 χ^2/NDF: 55.1/73

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: 212.200+/-0.039 χ^2/NDF:1244638.0/19

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

Left: 195.001+/-0.026 χ^2/NDF: 3170410.4/38

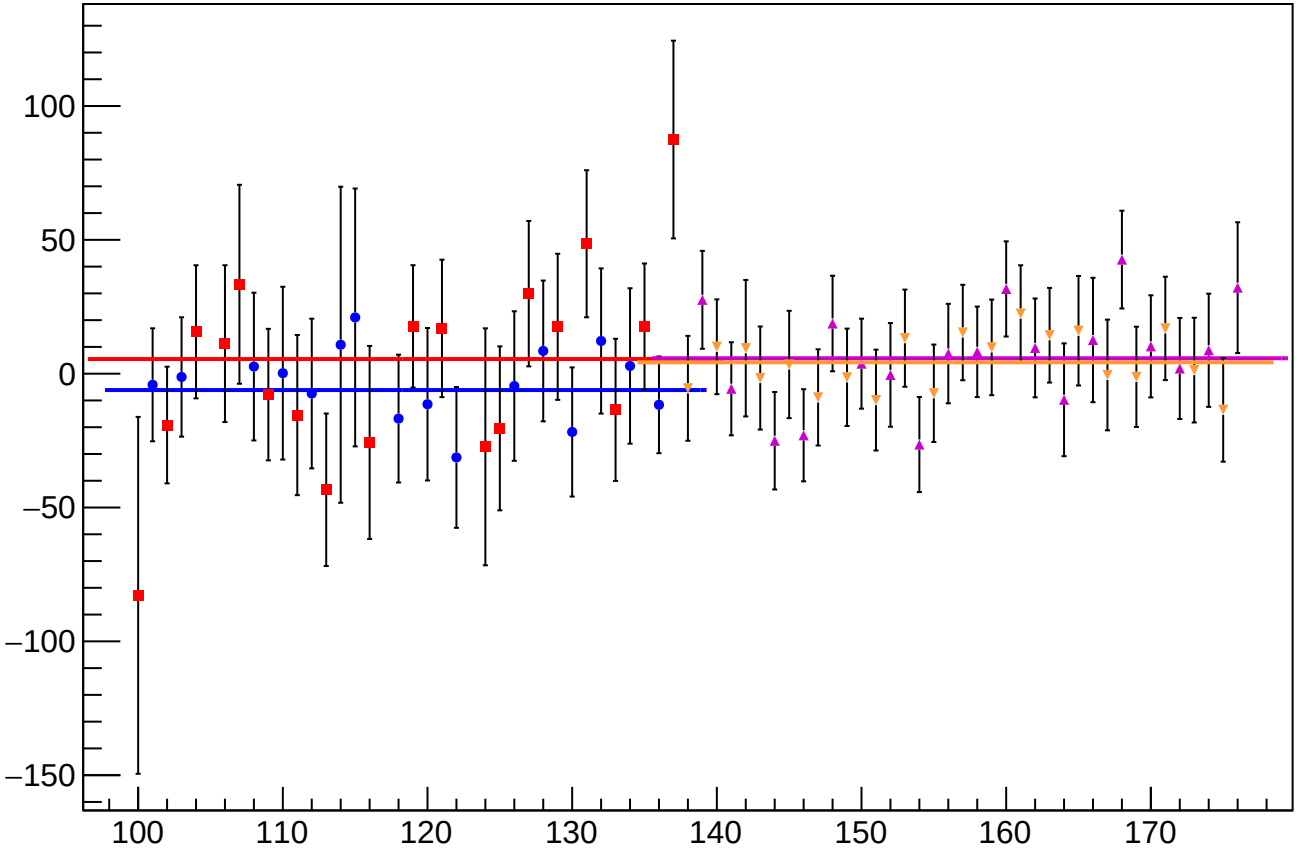
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.423+/-0.029 χ^2/NDF:2674227.2/34

Out: 196.437+/-0.030 χ^2/NDF:3330559.1/38

All: 190.673+/-0.021 χ^2/NDF: 6073683.3/73

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: 4.250+/-4.242 χ^2/NDF:5.9/19

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 5.760+/-4.293 χ^2/NDF:19.6/18

Left: 4.996+/-3.017 χ^2/NDF: 25.6/38

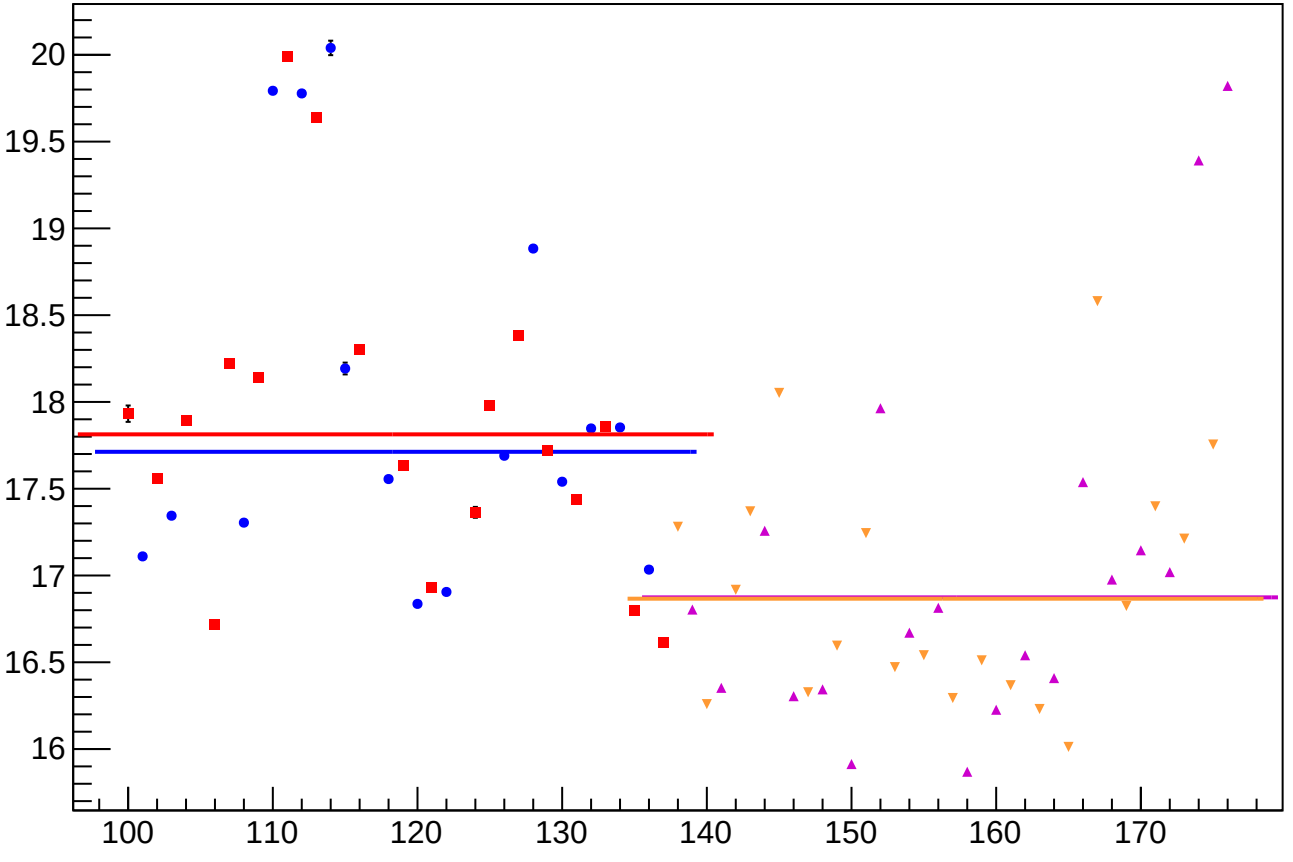
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 2.222+/-3.598 χ^2/NDF:25.0/34

Out: 4.614+/-3.554 χ^2/NDF:25.1/38

All: 3.432+/-2.528 χ^2/NDF: 50.4/73

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.866+/-0.003 χ^2/NDF:46790.3/19

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

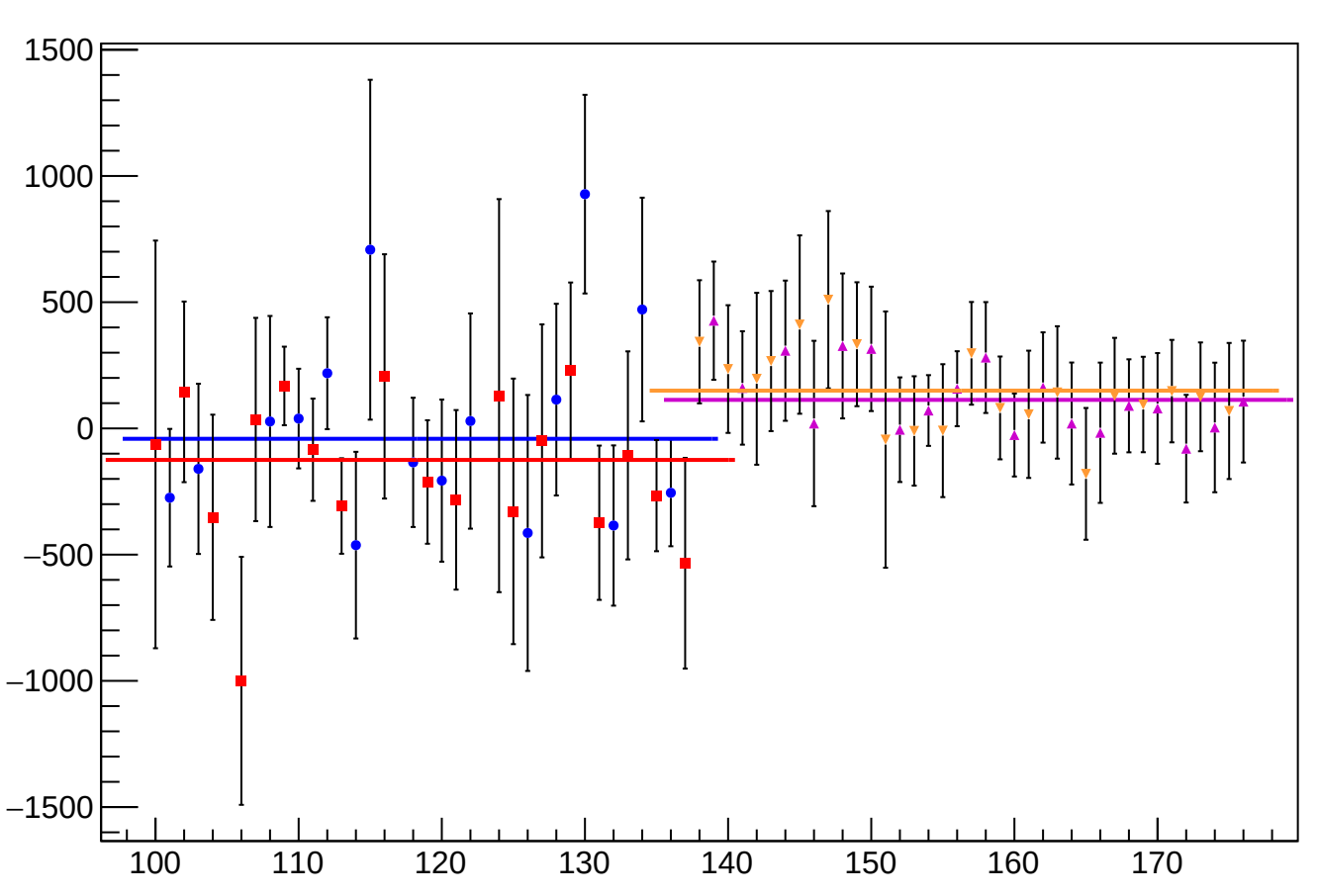
Left: 16.870+/-0.002 χ^2/NDF: 137595.1/38

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.124+/-0.003 χ^2/NDF:149513.8/34

Out: 17.149+/-0.003 χ^2/NDF:109217.1/38

All: 17.136+/-0.002 χ^2/NDF: 258779.1/73



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 149.754+/-55.370 χ^2/NDF:6.7/19

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 113.031+/-48.686 χ^2/NDF:6.9/18

Left: 129.043+/-36.562 χ^2/NDF: 13.9/38

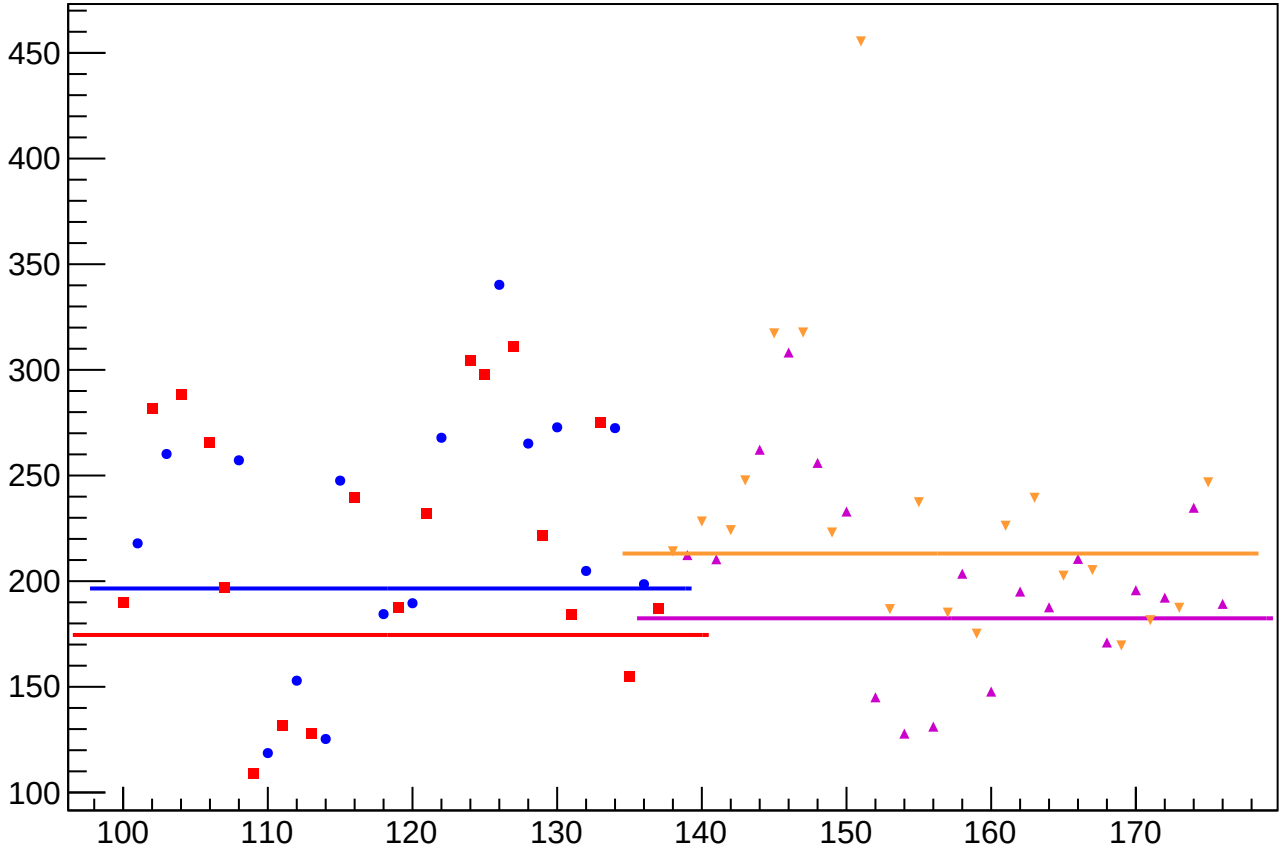
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 69.120+/-41.171 χ^2/NDF:25.4/34

Out: 42.386+/-43.211 χ^2/NDF:29.2/38

All: 56.399+/-29.808 χ^2/NDF: 54.8/73

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: 213.080+/-0.039 χ^2/NDF:1249541.4/19

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

Left: 195.790+/-0.026 χ^2/NDF: 3180751.1/38

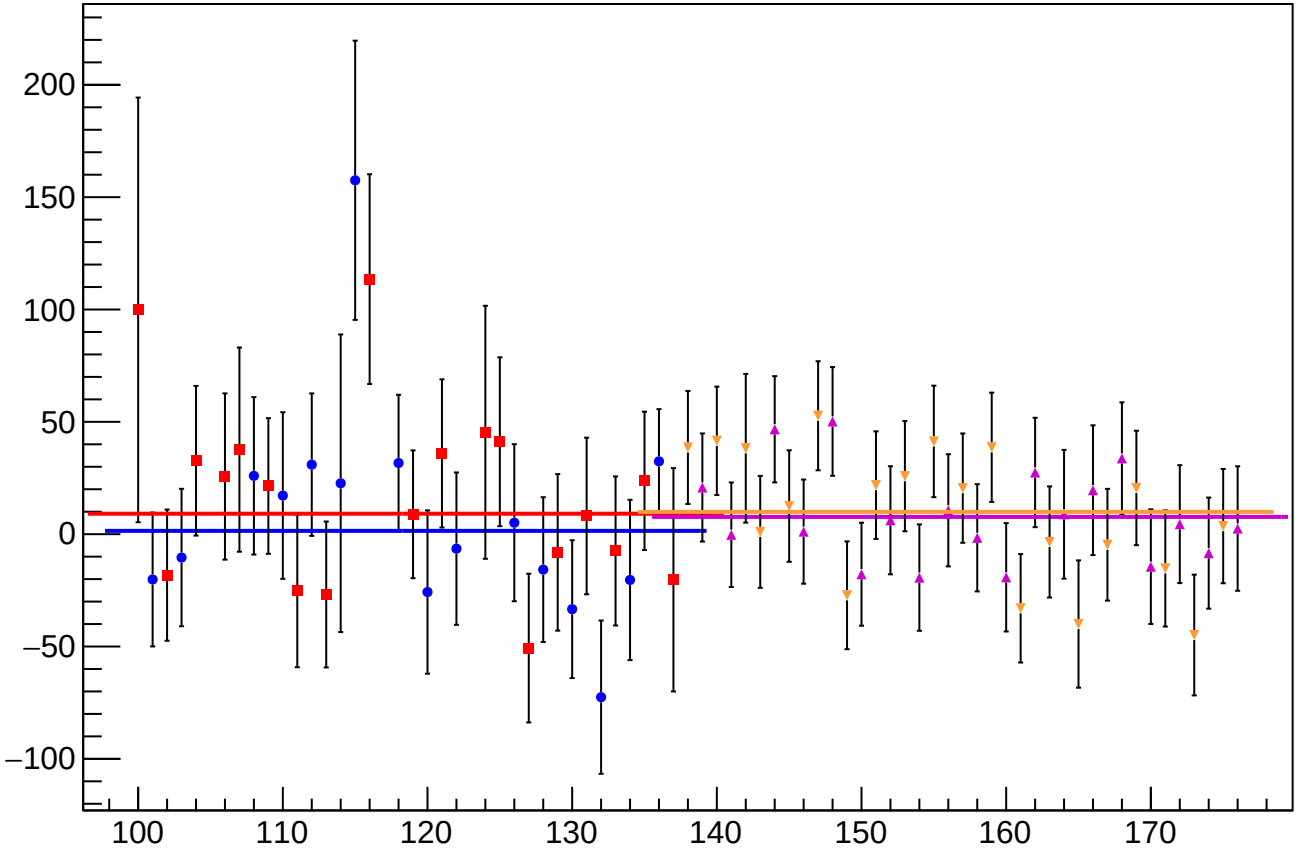
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 186.445+/-0.029 χ^2/NDF:2634099.3/34

Out: 198.013+/-0.031 χ^2/NDF:3217096.8/38

All: 191.949+/-0.021 χ^2/NDF: 5926327.2/73

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: 9.918+/-5.637 χ^2/NDF:25.5/19

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 7.690+/-5.673 χ^2/NDF:13.4/18

Left: 8.811+/-3.998 χ^2/NDF: 39.0/38

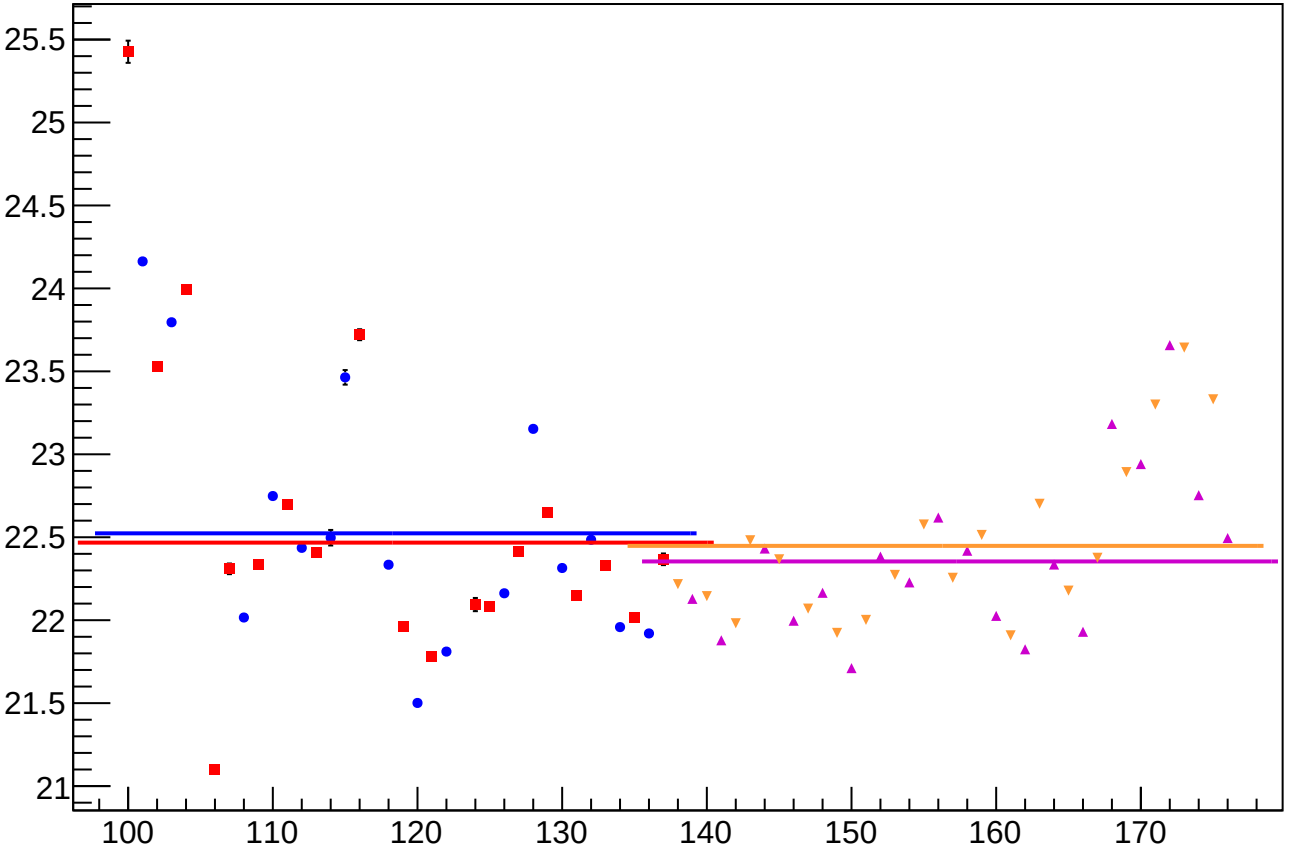
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.734+/-4.696 χ^2/NDF:32.5/34

Out: 9.660+/-4.645 χ^2/NDF:41.9/38

All: 7.719+/-3.302 χ^2/NDF: 74.8/73

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: 22.448+/-0.004 χ^2/NDF:13894.7/19

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

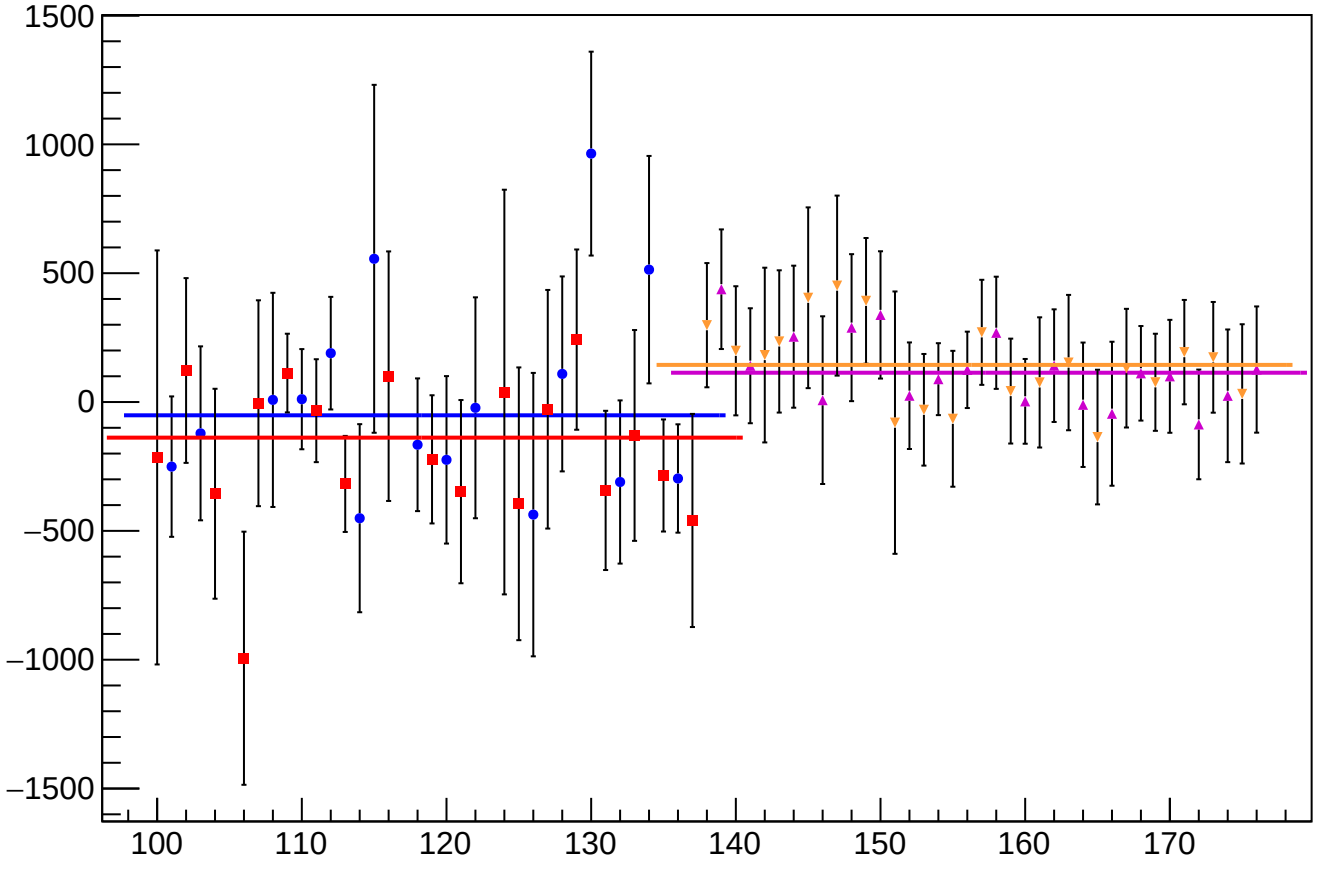
Left: 22.401+/-0.003 χ^2/NDF: 28203.5/38

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.407+/-0.003 χ^2/NDF:30542.4/34

Out: 22.454+/-0.003 χ^2/NDF:29528.9/38

All: 22.431+/-0.002 χ^2/NDF: 60171.9/73



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 144.125+/-55.263 χ^2/NDF:6.7/19

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 113.724+/-48.594 χ^2/NDF:6.3/18

Left: 126.981+/-36.492 χ^2/NDF: 13.2/38

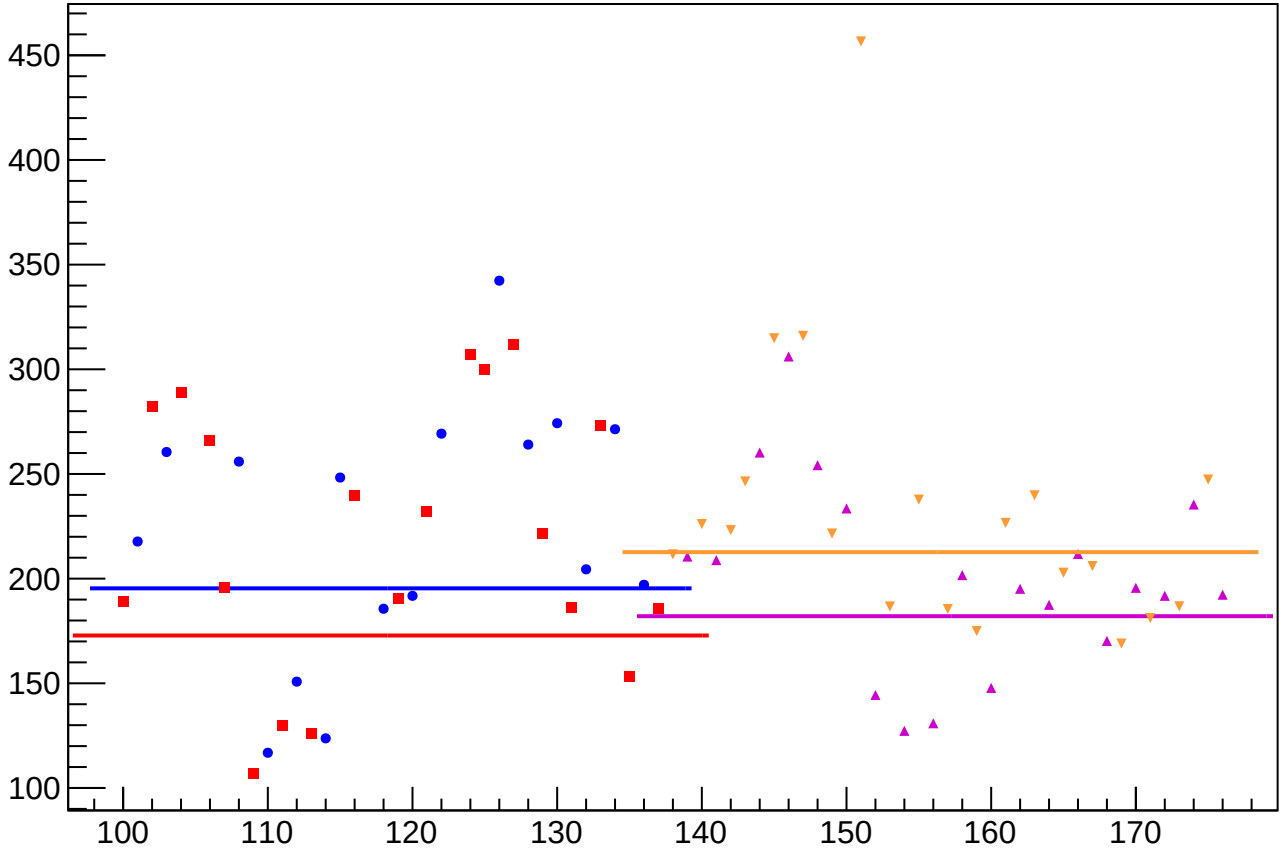
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 66.489+/-41.064 χ^2/NDF:25.0/34

Out: 33.069+/-43.042 χ^2/NDF:28.5/38

All: 50.564+/-29.711 χ^2/NDF: 53.8/73

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: 212.656+/-0.039 χ^2/NDF:1245089.3/19

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

Left: 195.401+/-0.026 χ^2/NDF: 3171884.2/38

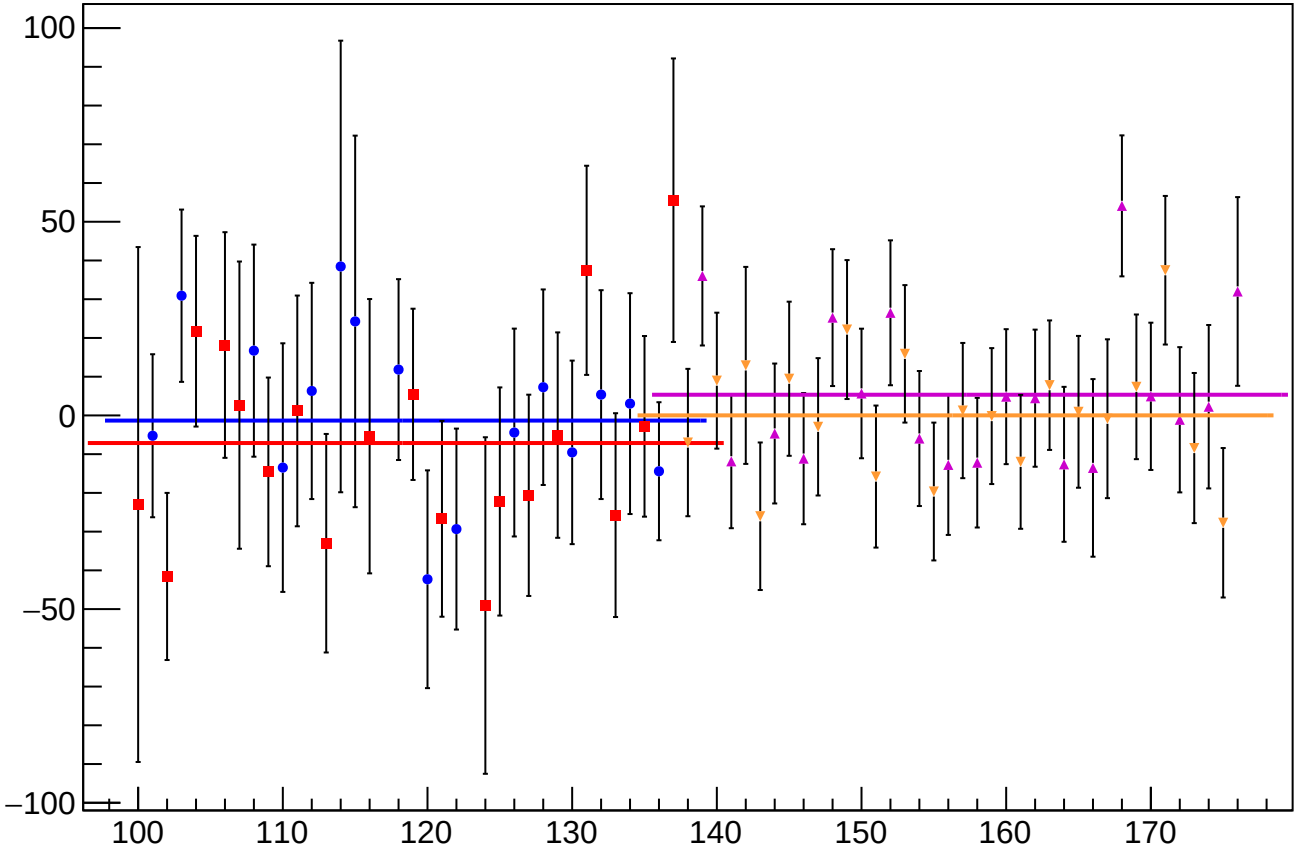
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.863+/-0.029 χ^2/NDF:2665335.7/34

Out: 196.992+/-0.030 χ^2/NDF:3312997.0/38

All: 191.166+/-0.021 χ^2/NDF: 6048331.3/73

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: 0.016+/-4.159 χ^2/NDF:14.0/19

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 5.340+/-4.225 χ^2/NDF:20.2/18

Left: 2.636+/-2.964 χ^2/NDF: 35.0/38

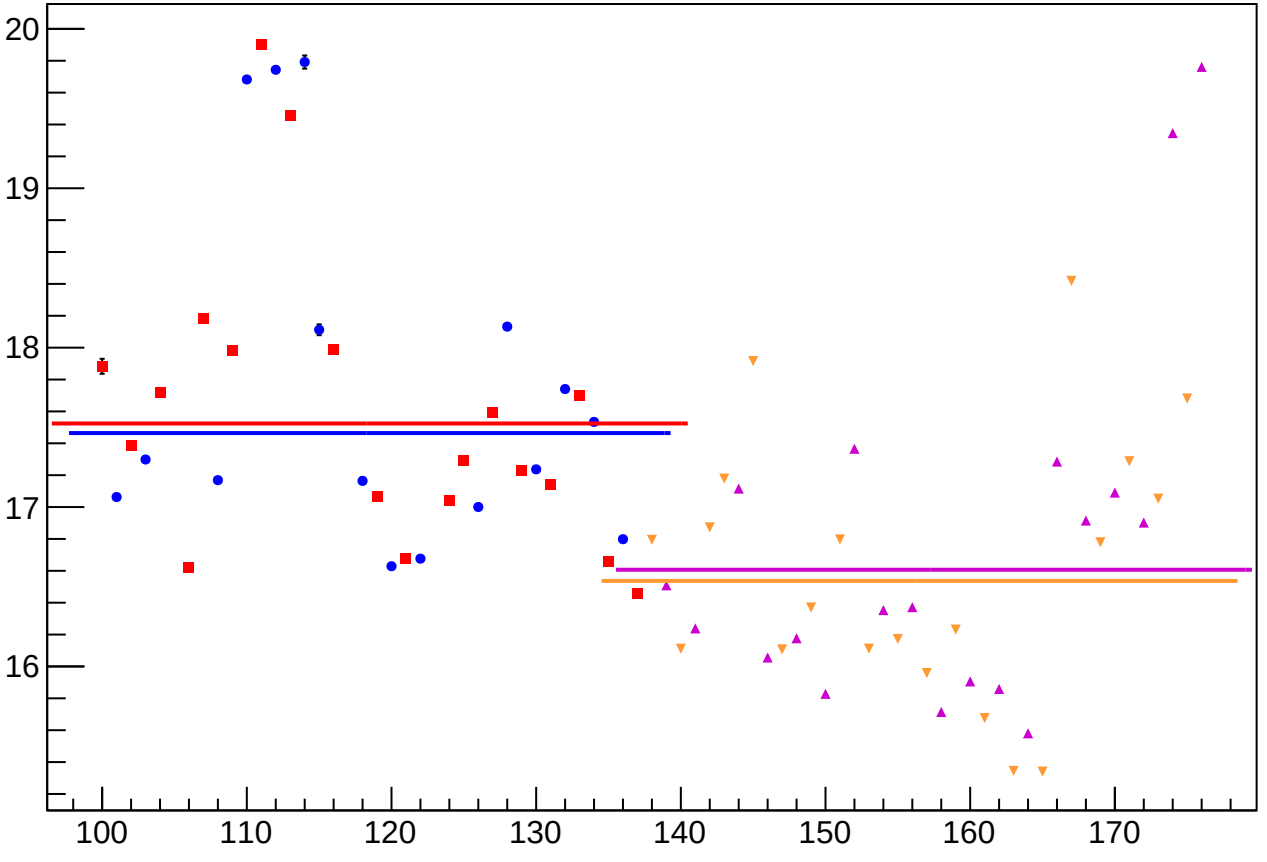
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.358+/-3.542 χ^2/NDF:29.0/34

Out: -2.104+/-3.488 χ^2/NDF:29.3/38

All: 0.584+/-2.485 χ^2/NDF: 59.5/73

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: 16.537+/-0.003 χ^2/NDF:71593.9/19

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

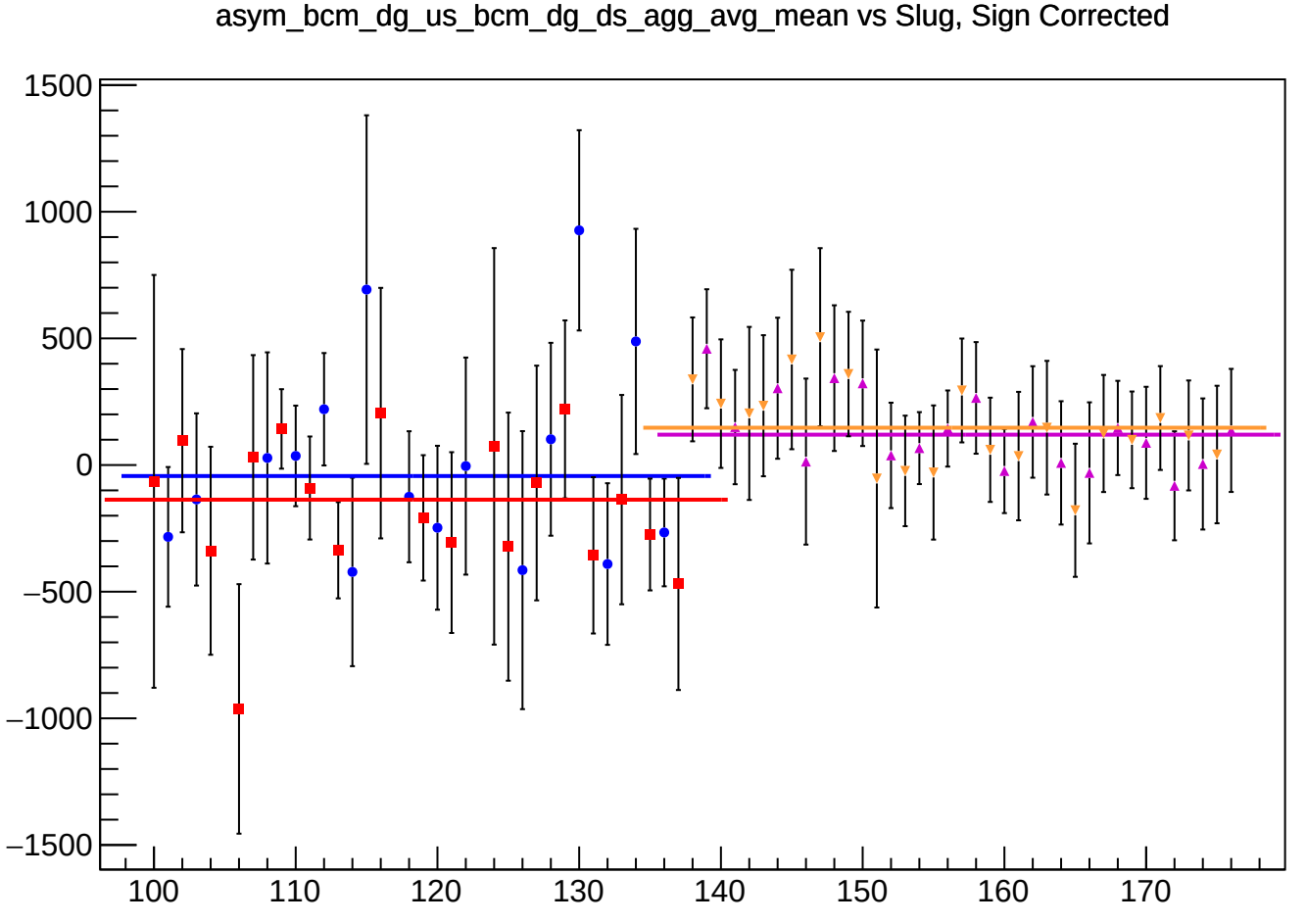
Left: 16.571+/-0.002 χ^2/NDF: 175260.1/38

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.862+/-0.003 χ^2/NDF:164509.6/34

Out: 16.830+/-0.002 χ^2/NDF:139792.5/38

All: 16.845+/-0.002 χ^2/NDF: 304383.4/73



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.350+/-55.728 χ^2/NDF:7.1/19

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 119.886+/-49.074 χ^2/NDF:7.1/18

Left: 131.881+/-36.830 χ^2/NDF: 14.4/38

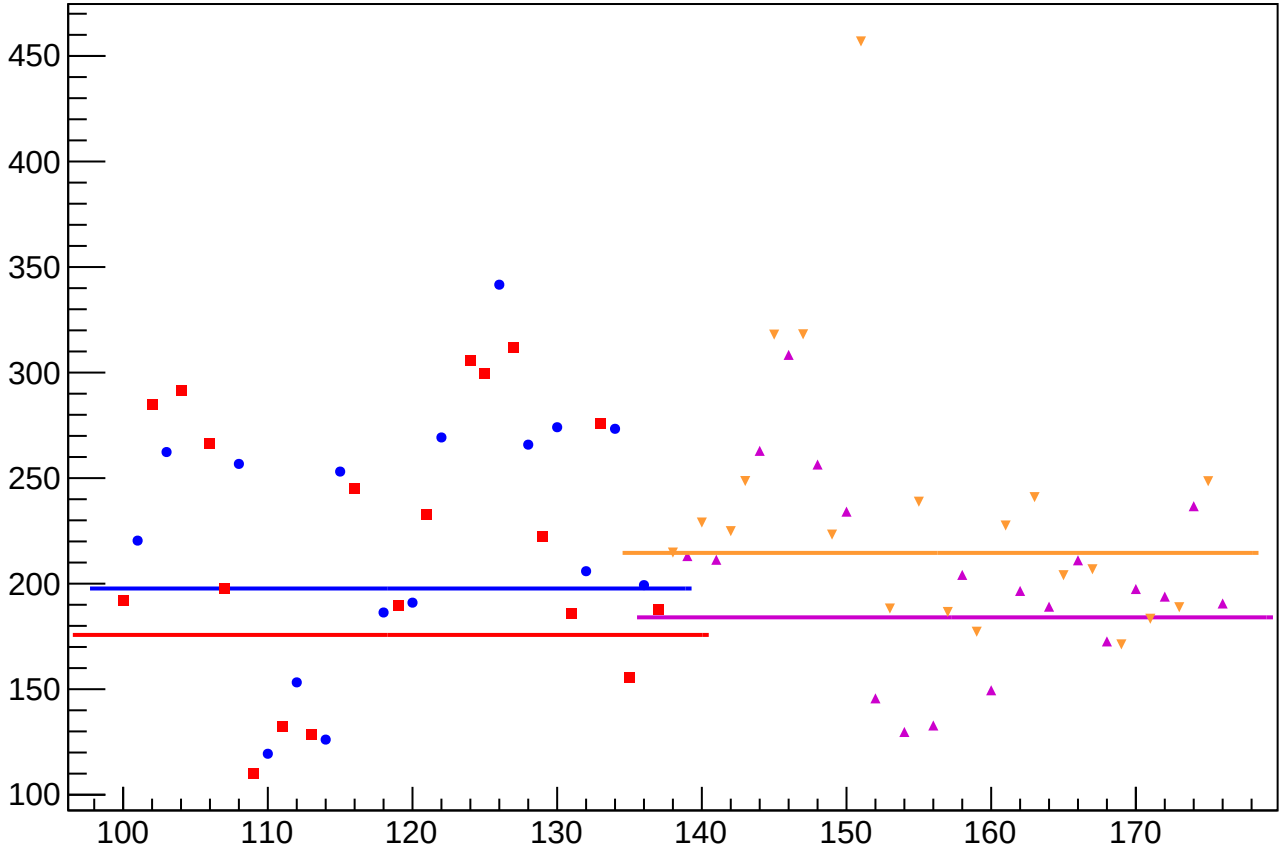
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 73.229+/-41.474 χ^2/NDF:25.7/34

Out: 36.270+/-43.491 χ^2/NDF:28.8/38

All: 55.627+/-30.014 χ^2/NDF: 54.9/73

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: 214.576+/-0.039 χ^2/NDF:1226021.0/19

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

Left: 197.376+/-0.026 χ^2/NDF: 3105894.4/38

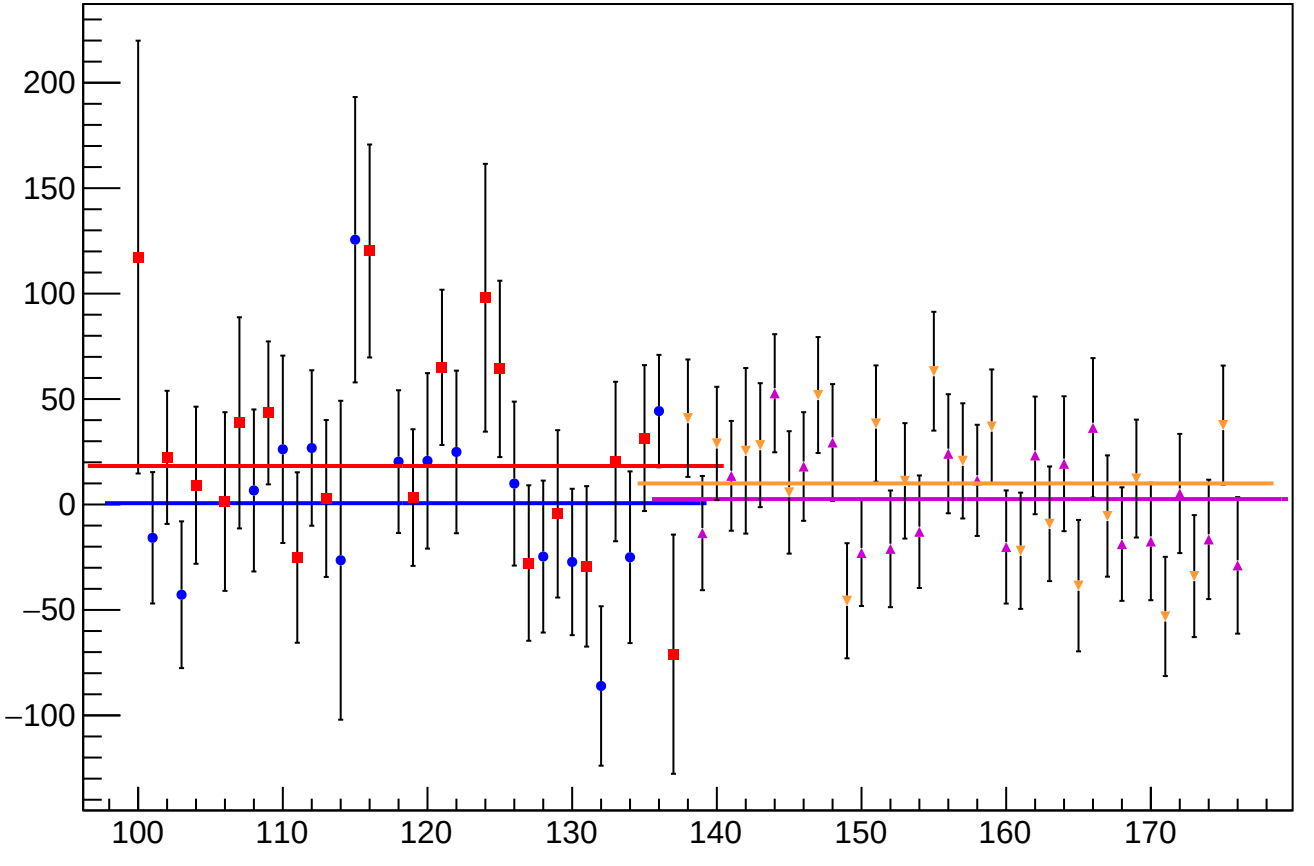
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.945+/-0.029 χ^2/NDF:2586295.1/34

Out: 199.383+/-0.031 χ^2/NDF:3196784.3/38

All: 193.393+/-0.021 χ^2/NDF: 5855536.9/73

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: 9.983+/-6.345 χ^2/NDF:27.3/19

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 2.562+/-6.375 χ^2/NDF:13.0/18

Left: 6.290+/-4.497 χ^2/NDF: 41.0/38

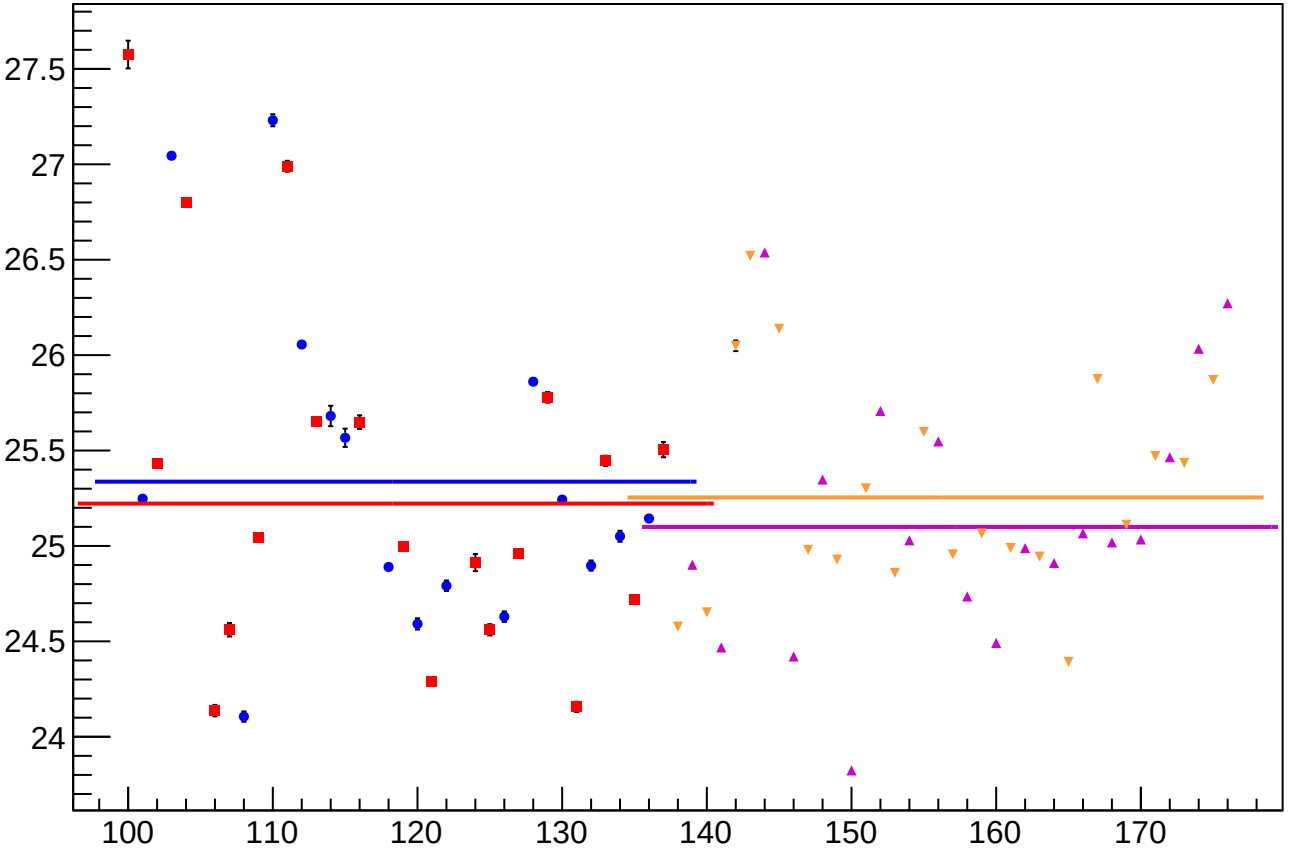
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 1.952+/-5.280 χ^2/NDF:29.7/34

Out: 12.644+/-5.225 χ^2/NDF:45.9/38

All: 7.354+/-3.714 χ^2/NDF: 77.7/73

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: 25.254+/-0.004 χ^2/NDF:14219.3/19

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

Left: 25.177+/-0.003 χ^2/NDF: 36225.0/38

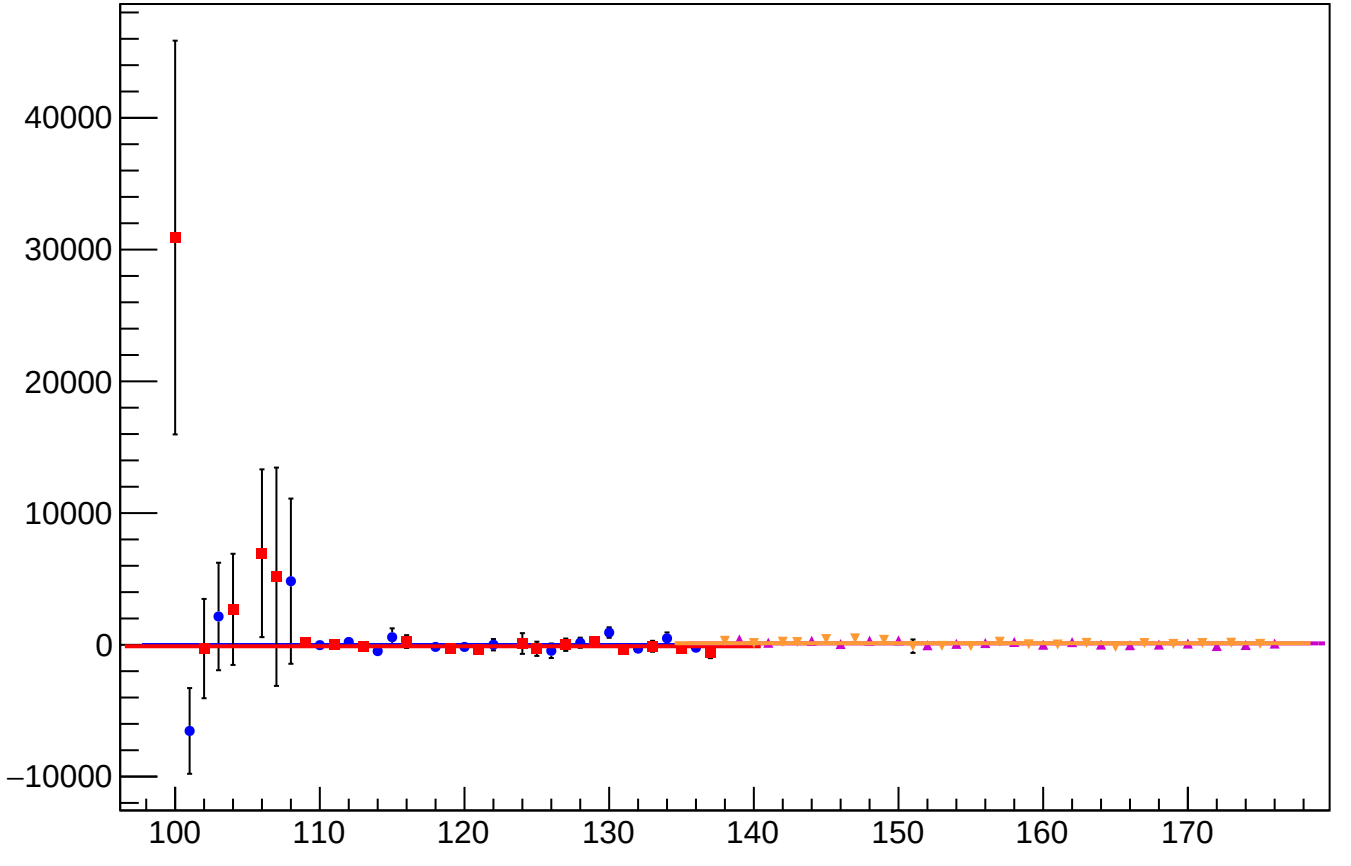
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.174+/-0.004 χ^2/NDF:36600.2/34

Out: 25.244+/-0.004 χ^2/NDF:29460.2/38

All: 25.209+/-0.003 χ^2/NDF: 66237.7/73

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: 122.941+/-56.269 χ^2/NDF:7.2/19

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 110.248+/-49.659 χ^2/NDF:6.5/18

Left: 115.806+/-37.233 χ^2/NDF: 13.7/38

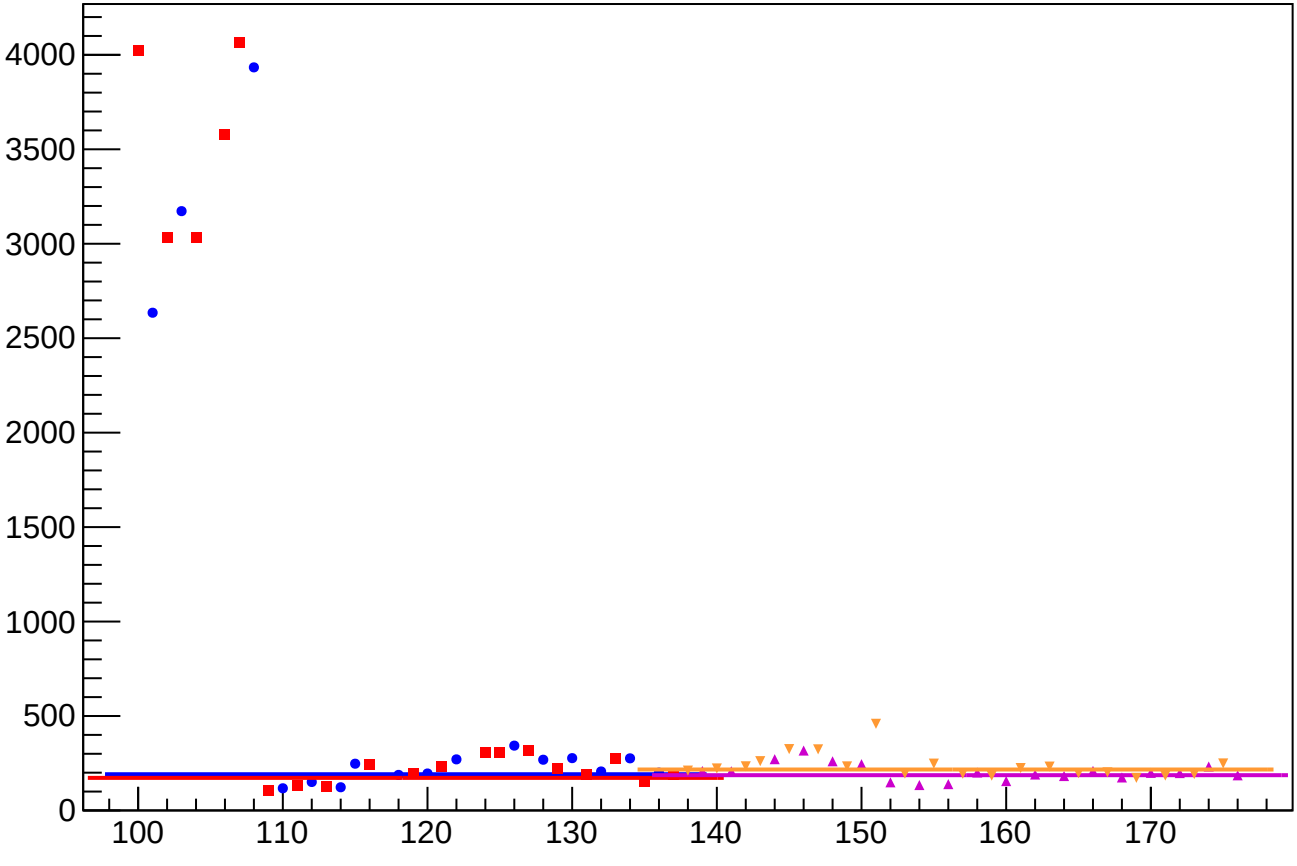
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 78.095+/-42.839 χ^2/NDF:26.5/34

Out: 43.743+/-45.654 χ^2/NDF:27.0/38

All: 62.010+/-31.239 χ^2/NDF: 53.8/73

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.791+/-0.040 χ^2/NDF:1215558.3/19

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.739+/-0.035 χ^2/NDF:1405368.5/18

Left: 199.897+/-0.026 χ^2/NDF: 2941627.6/38

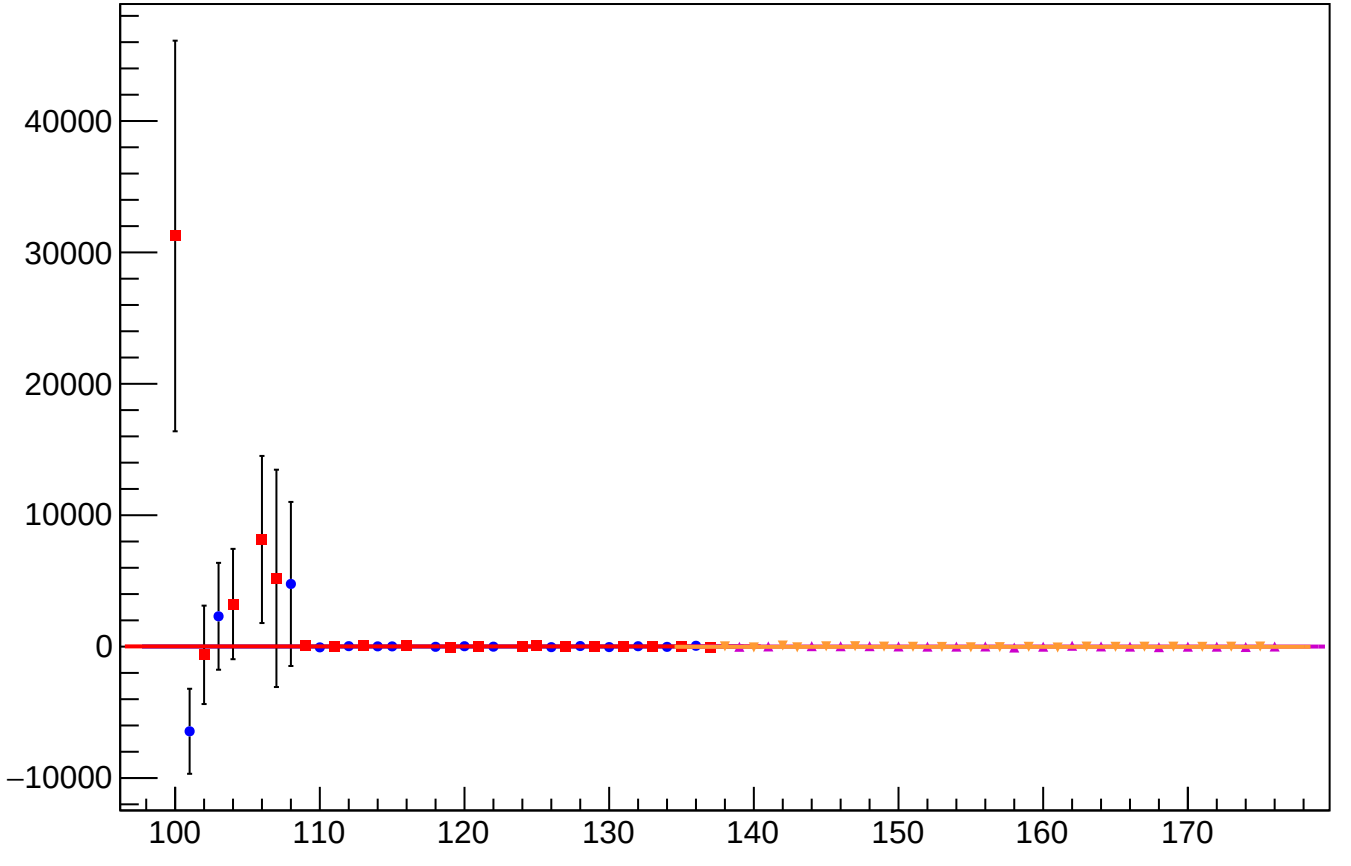
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.017+/-0.030 χ^2/NDF:5232353.1/34

Out: 201.643+/-0.032 χ^2/NDF:5942837.4/38

All: 194.397+/-0.022 χ^2/NDF: 11269933.9/73

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: -12.849+/-7.233 χ^2/NDF:18.2/19

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 5.298+/-7.276 χ^2/NDF:17.6/18

Left: -3.829+/-5.130 χ^2/NDF: 39.0/38

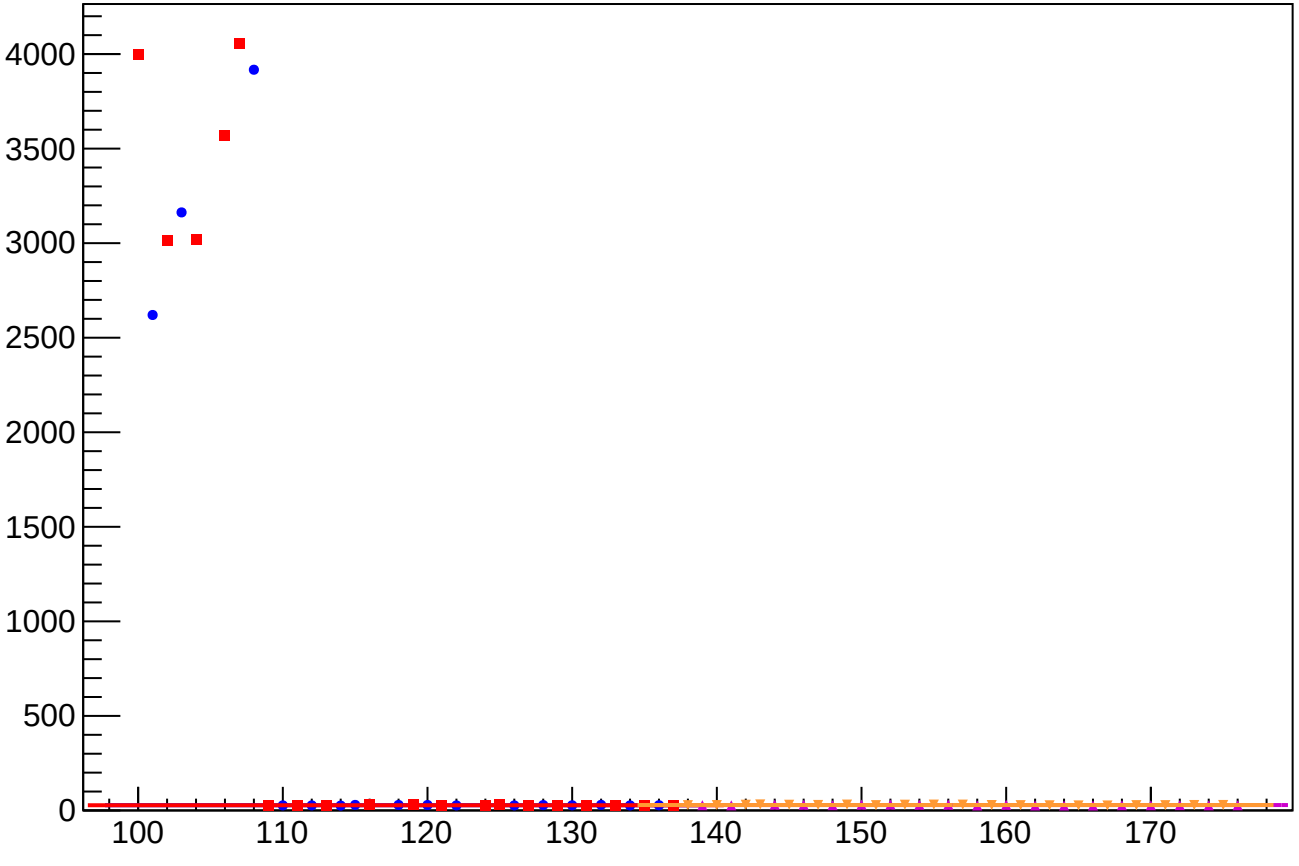
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 6.494+/-6.176 χ^2/NDF:33.7/34

Out: -4.400+/-6.168 χ^2/NDF:48.0/38

All: 1.039+/-4.364 χ^2/NDF: 83.3/73

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: 28.731+/-0.005 χ^2/NDF:82369.4/19

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.577+/-0.005 χ^2/NDF:115489.2/18

Left: 28.654+/-0.004 χ^2/NDF: 198306.5/38

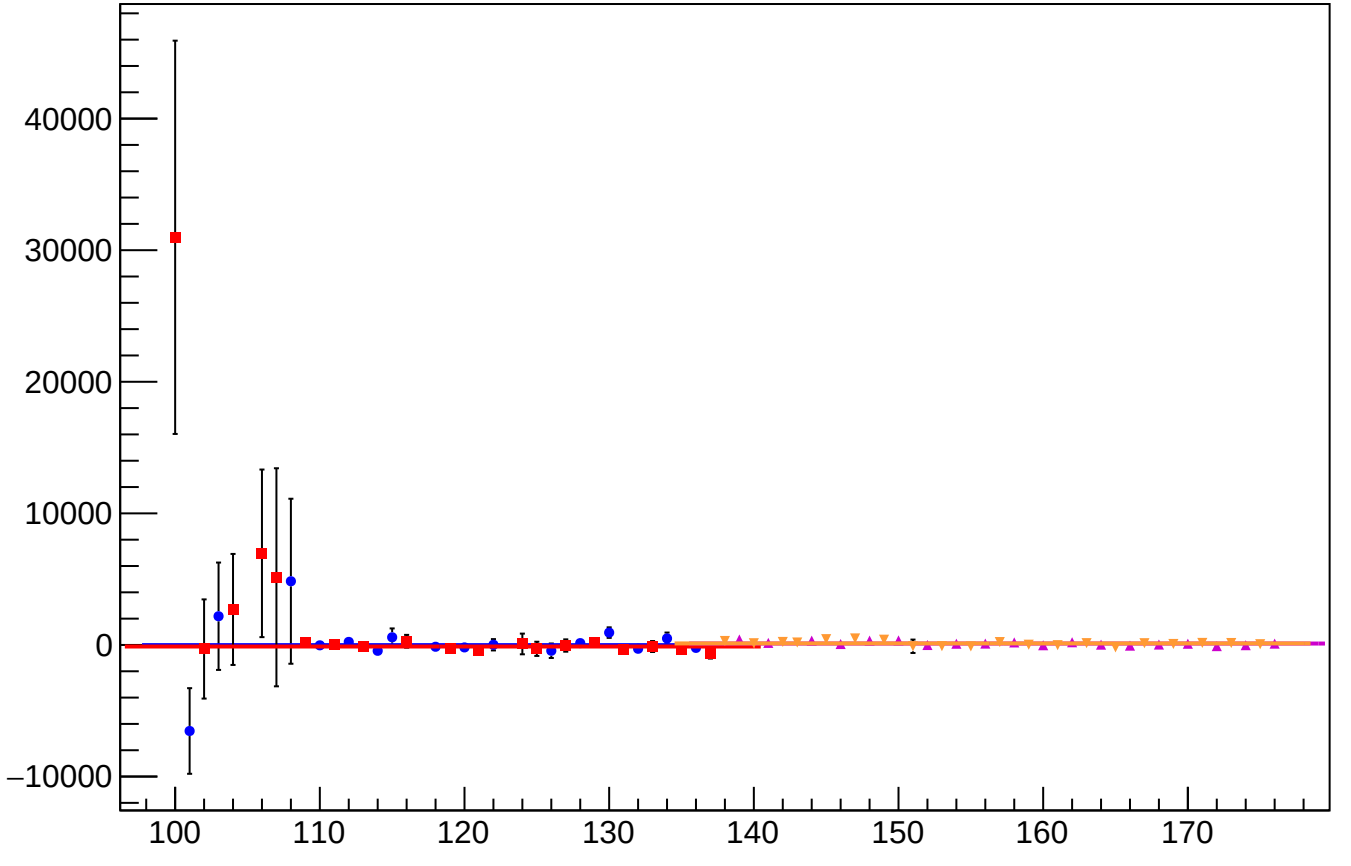
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.316+/-0.004 χ^2/NDF:3390222.4/34

Out: 28.404+/-0.004 χ^2/NDF:3652520.9/38

All: 28.360+/-0.003 χ^2/NDF: 7042948.7/73

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: 117.096+/-56.151 χ^2/NDF:7.9/19

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 107.674+/-49.562 χ^2/NDF:6.7/18

Left: 111.800+/-37.158 χ^2/NDF: 14.7/38

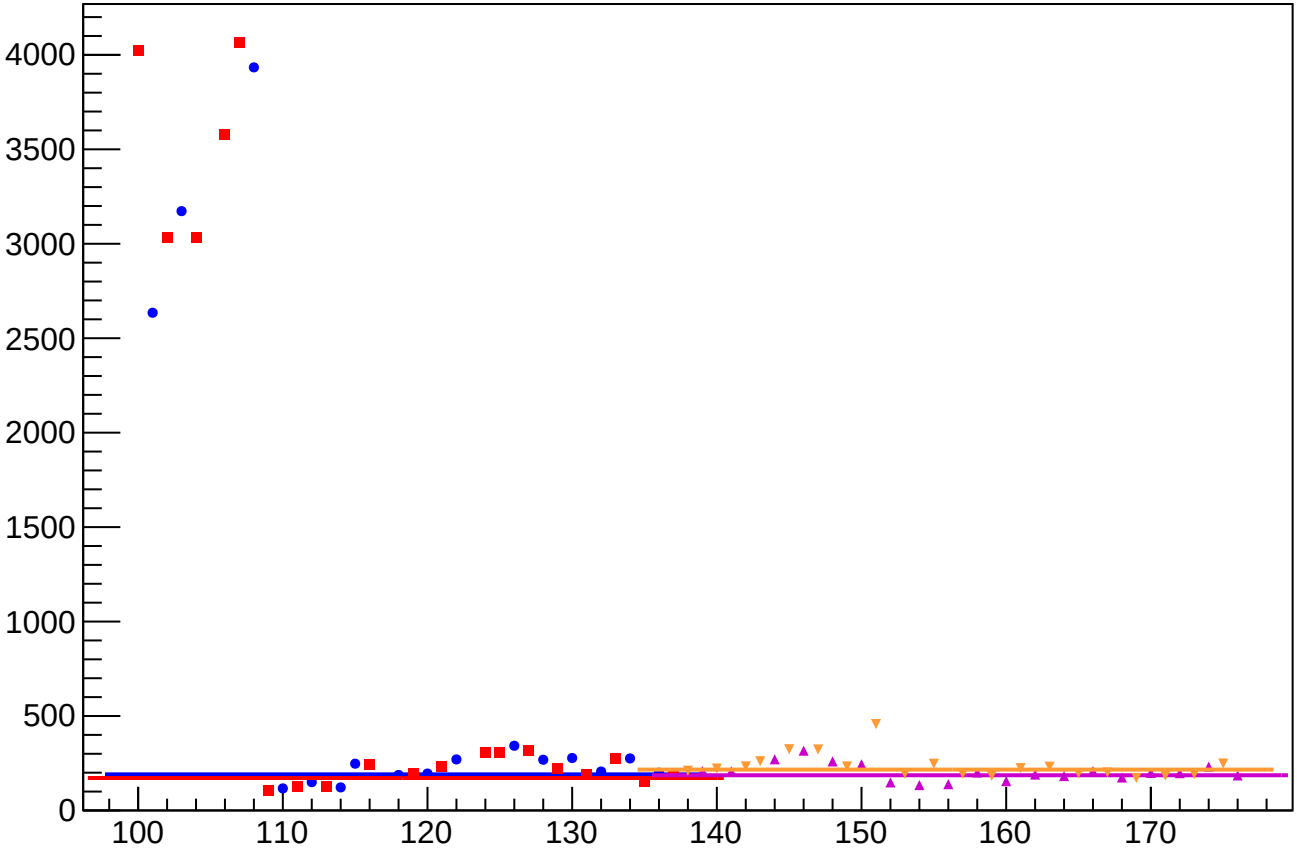
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 76.719+/-42.745 χ^2/NDF:26.6/34

Out: 36.640+/-45.543 χ^2/NDF:28.4/38

All: 57.949+/-31.168 χ^2/NDF: 55.4/73

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: 216.340+/-0.040 χ^2/NDF:1214993.0/19

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

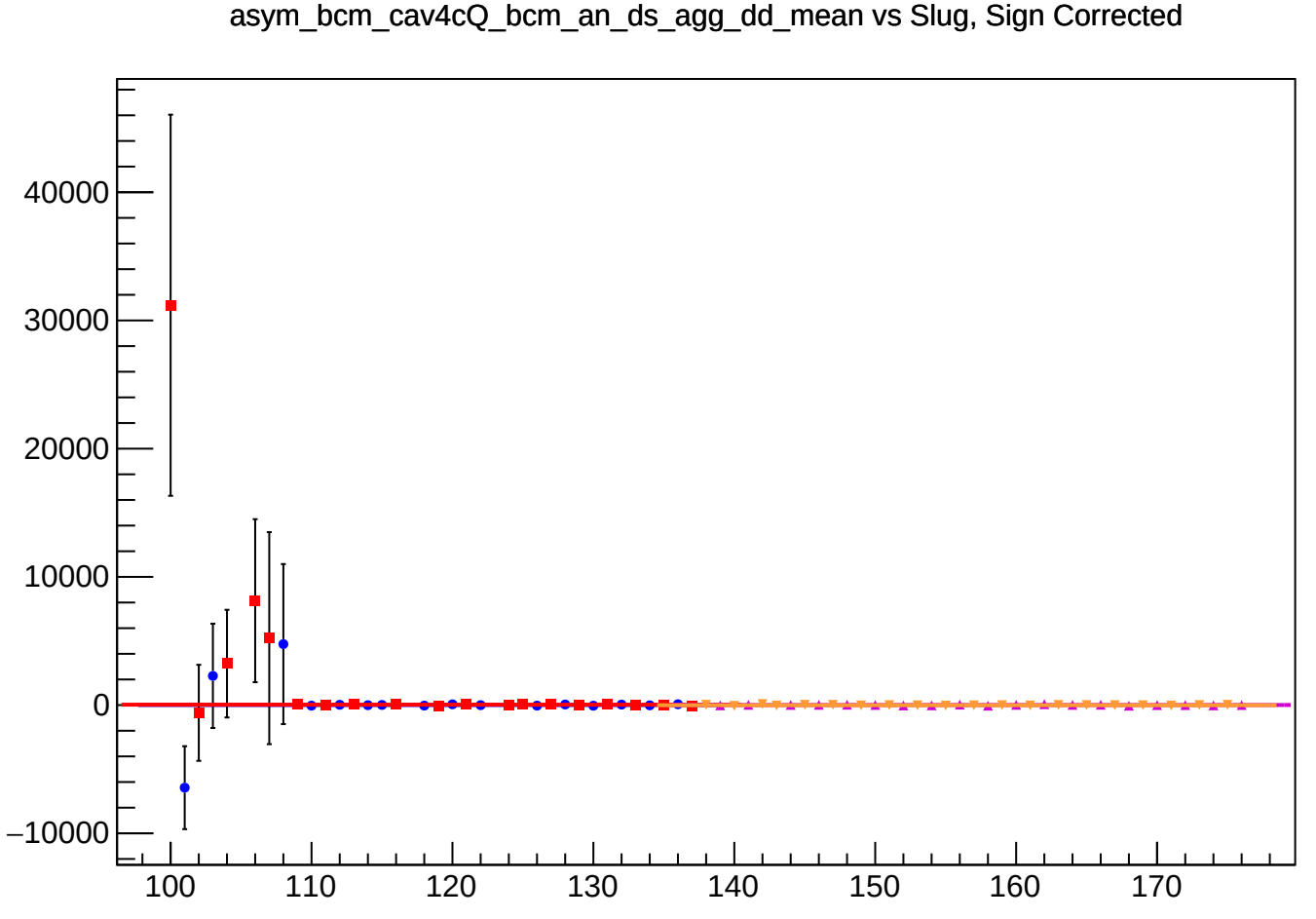
Left: 199.499+/-0.026 χ^2/NDF: 2939924.7/38

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.580+/-0.030 χ^2/NDF:5243397.1/34

Out: 201.113+/-0.032 χ^2/NDF:5959578.1/38

All: 193.918+/-0.022 χ^2/NDF: 11296866.2/73



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.114+/-7.281 χ^2/NDF:13.0/19

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 6.672+/-7.312 χ^2/NDF:16.7/18

Left: -0.752+/-5.159 χ^2/NDF: 31.8/38

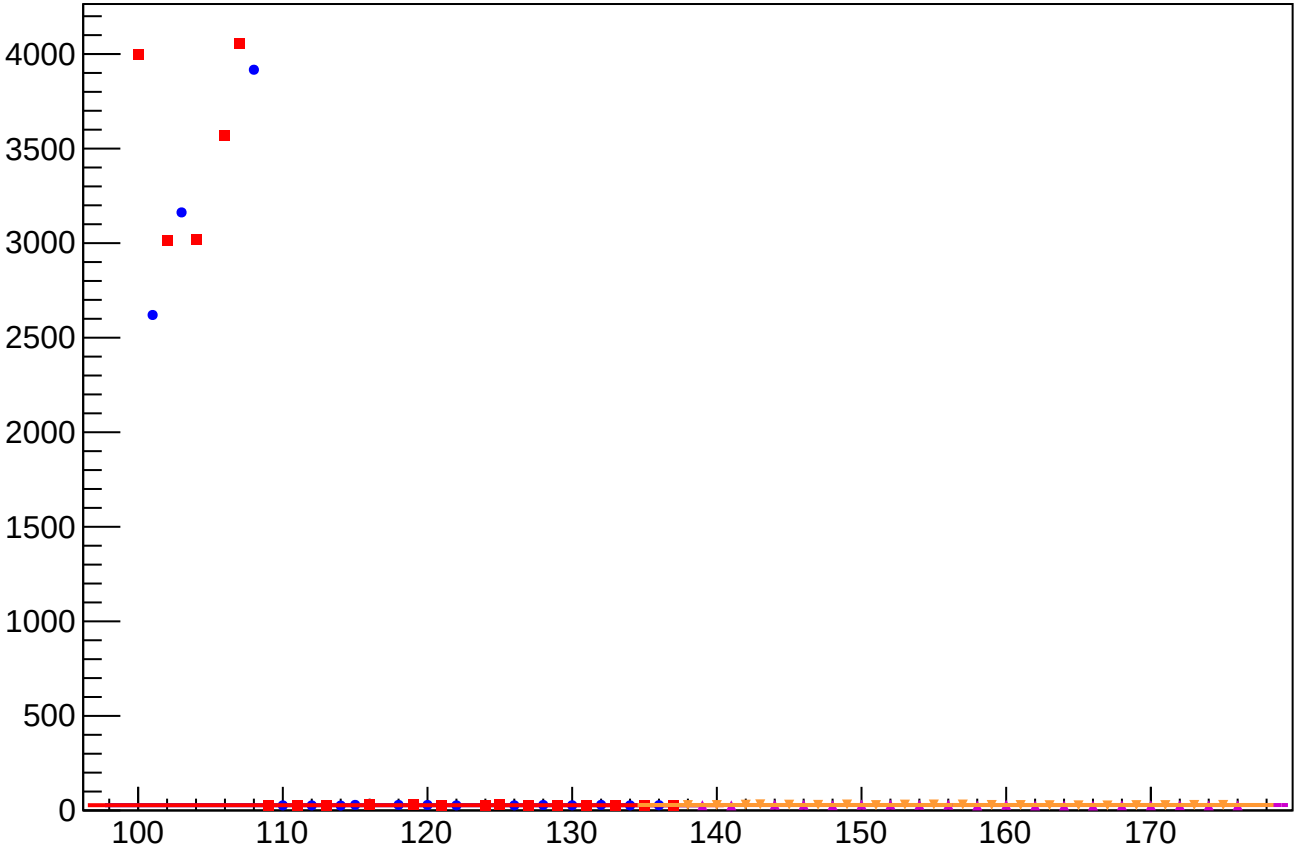
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.621+/-6.210 χ^2/NDF:35.0/34

Out: 2.527+/-6.211 χ^2/NDF:40.7/38

All: 4.574+/-4.391 χ^2/NDF: 76.0/73

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.913+/-0.005 χ^2/NDF:88561.6/19

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

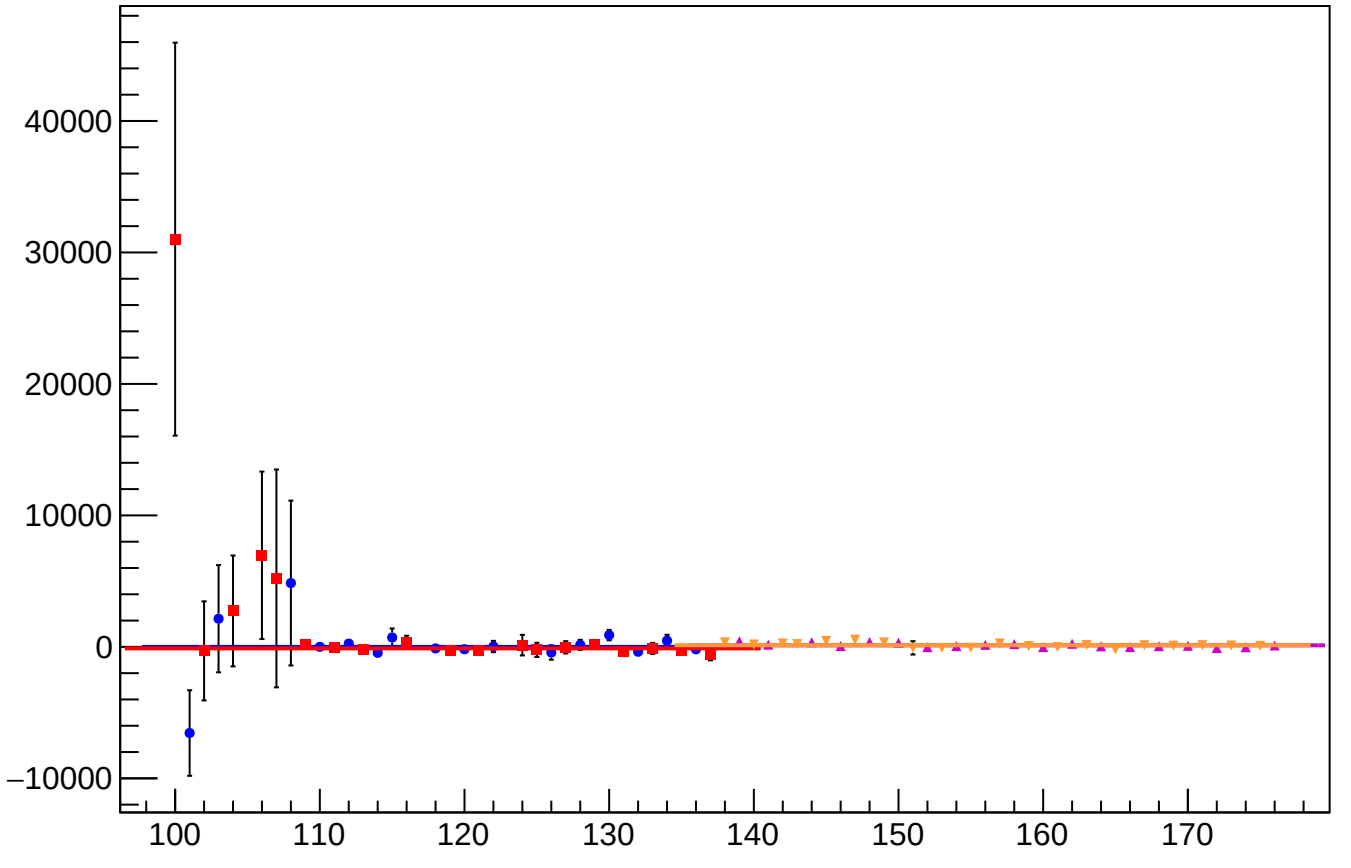
Left: 28.816+/-0.004 χ^2/NDF: 208771.7/38

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.469+/-0.004 χ^2/NDF:3393683.9/34

Out: 28.598+/-0.004 χ^2/NDF:3661061.9/38

All: 28.533+/-0.003 χ^2/NDF: 7055177.4/73



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 126.013+/-56.714 χ^2/NDF:7.8/19

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 116.958+/-50.115 χ^2/NDF:7.3/18

Left: 120.928+/-37.554 χ^2/NDF: 15.1/38

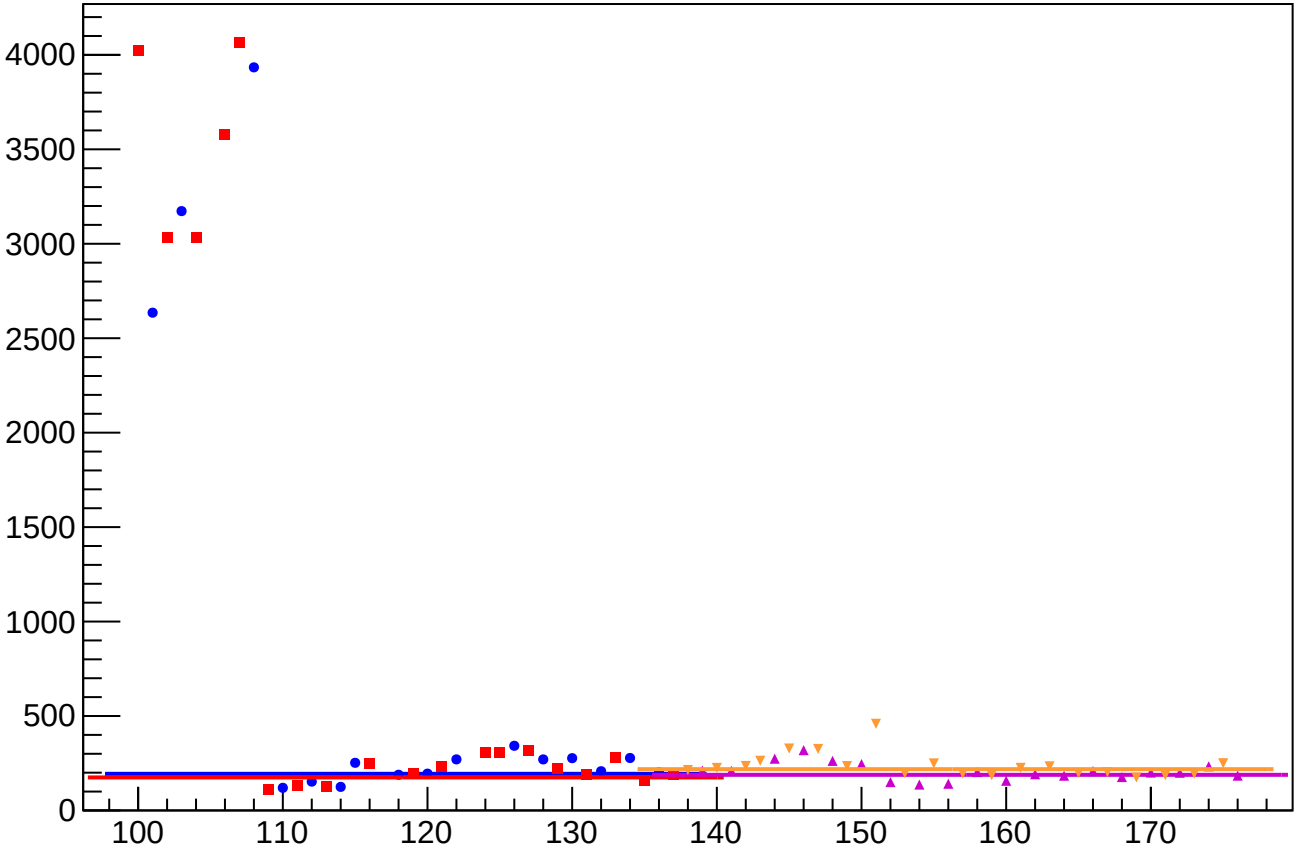
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 86.341+/-43.236 χ^2/NDF:26.9/34

Out: 43.724+/-46.062 χ^2/NDF:27.8/38

All: 66.379+/-31.524 χ^2/NDF: 55.2/73

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.615+/-0.040 χ^2/NDF:1200609.3/19

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.608+/-0.035 χ^2/NDF:1373642.2/18

Left: 201.765+/-0.027 χ^2/NDF: 2888638.2/38

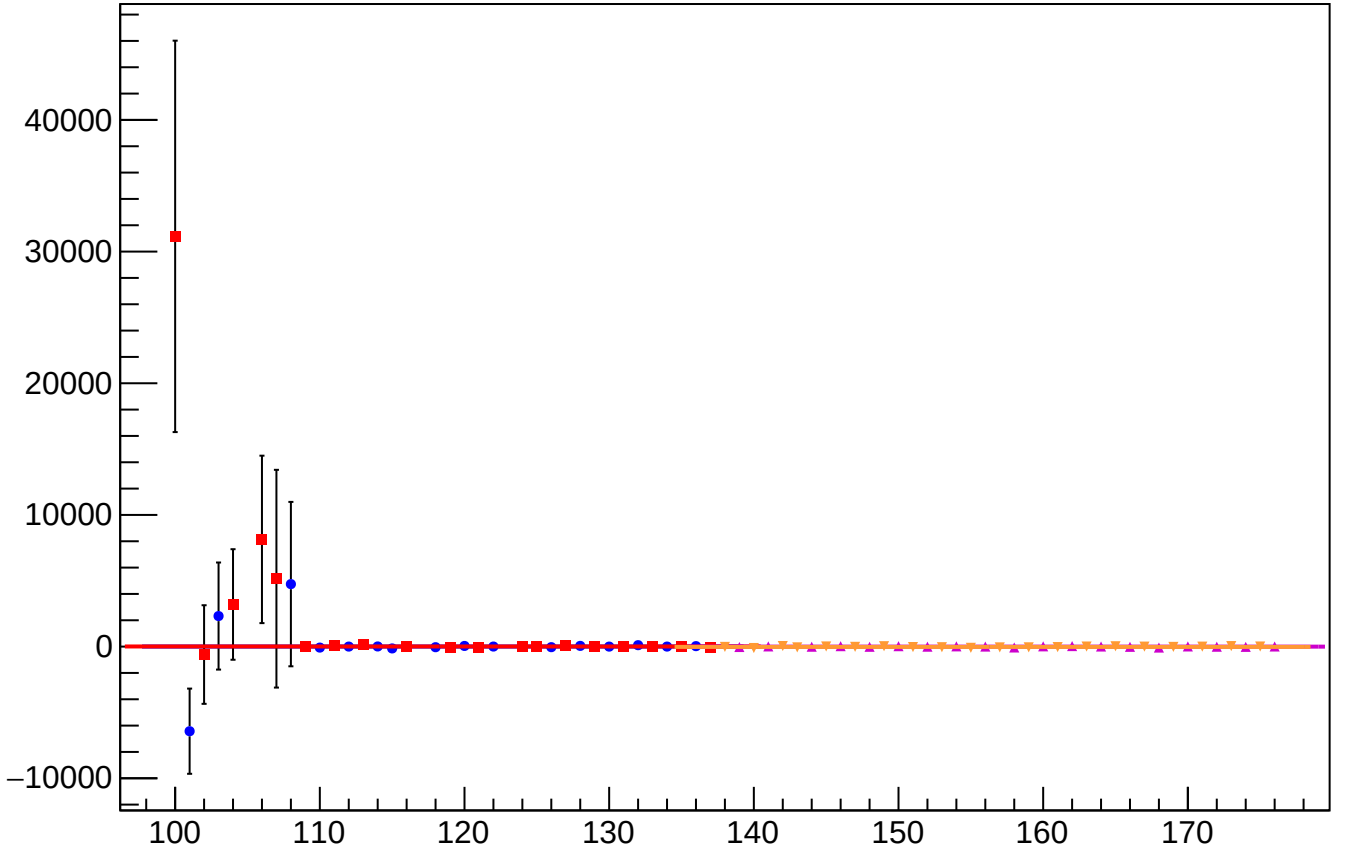
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 189.973+/-0.031 χ^2/NDF:5163911.4/34

Out: 203.695+/-0.033 χ^2/NDF:5866609.0/38

All: 196.400+/-0.022 χ^2/NDF: 11124873.7/73

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: -22.963+/-8.690 χ^2/NDF:20.4/19

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.814+/-8.752 χ^2/NDF:12.2/18

Left: -12.960+/-6.167 χ^2/NDF: 35.3/38

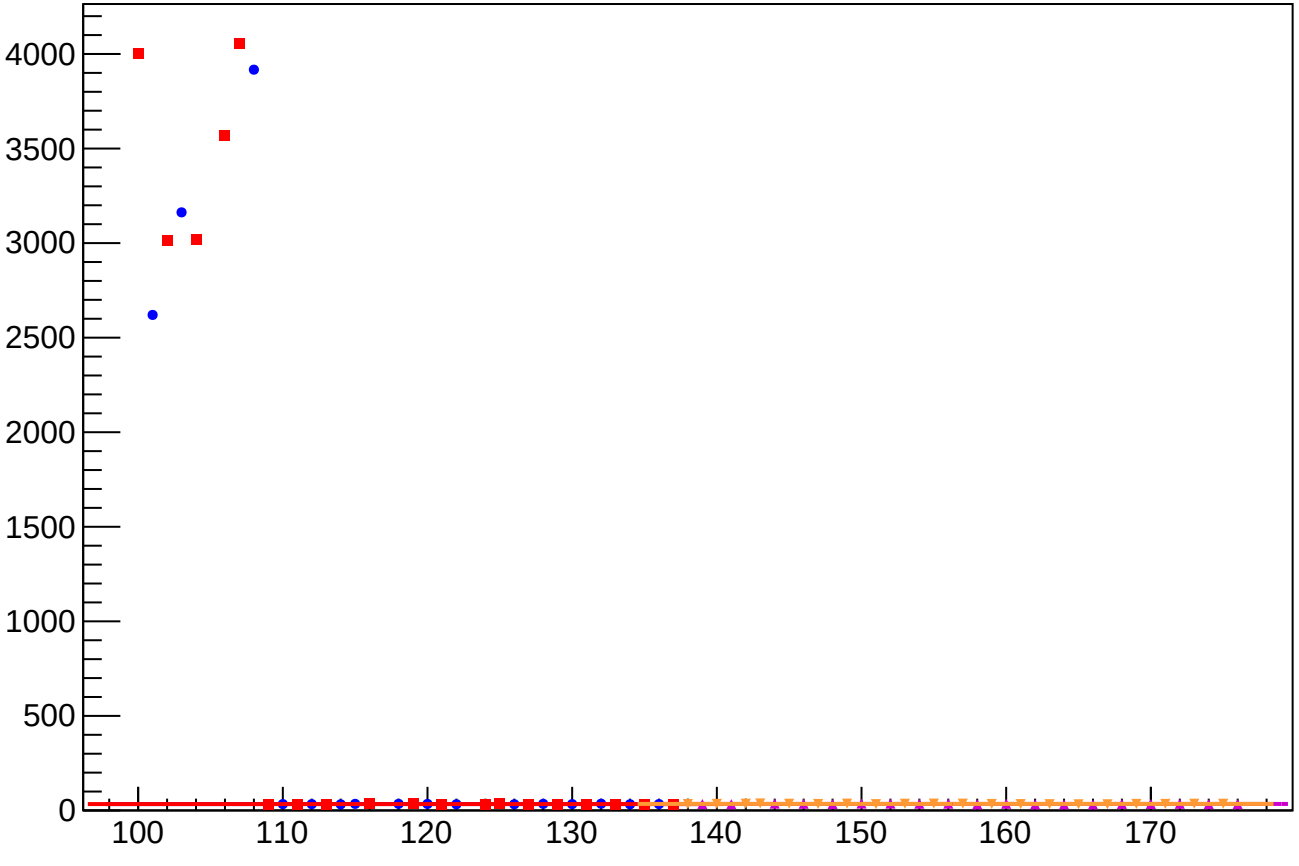
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.506+/-7.466 χ^2/NDF:29.9/34

Out: -14.191+/-7.445 χ^2/NDF:47.7/38

All: -7.368+/-5.272 χ^2/NDF: 79.3/73

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: 34.567+/-0.006 χ^2/NDF:38711.7/19

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.437+/-0.006 χ^2/NDF:51942.1/18

Left: 34.503+/-0.004 χ^2/NDF: 90874.3/38

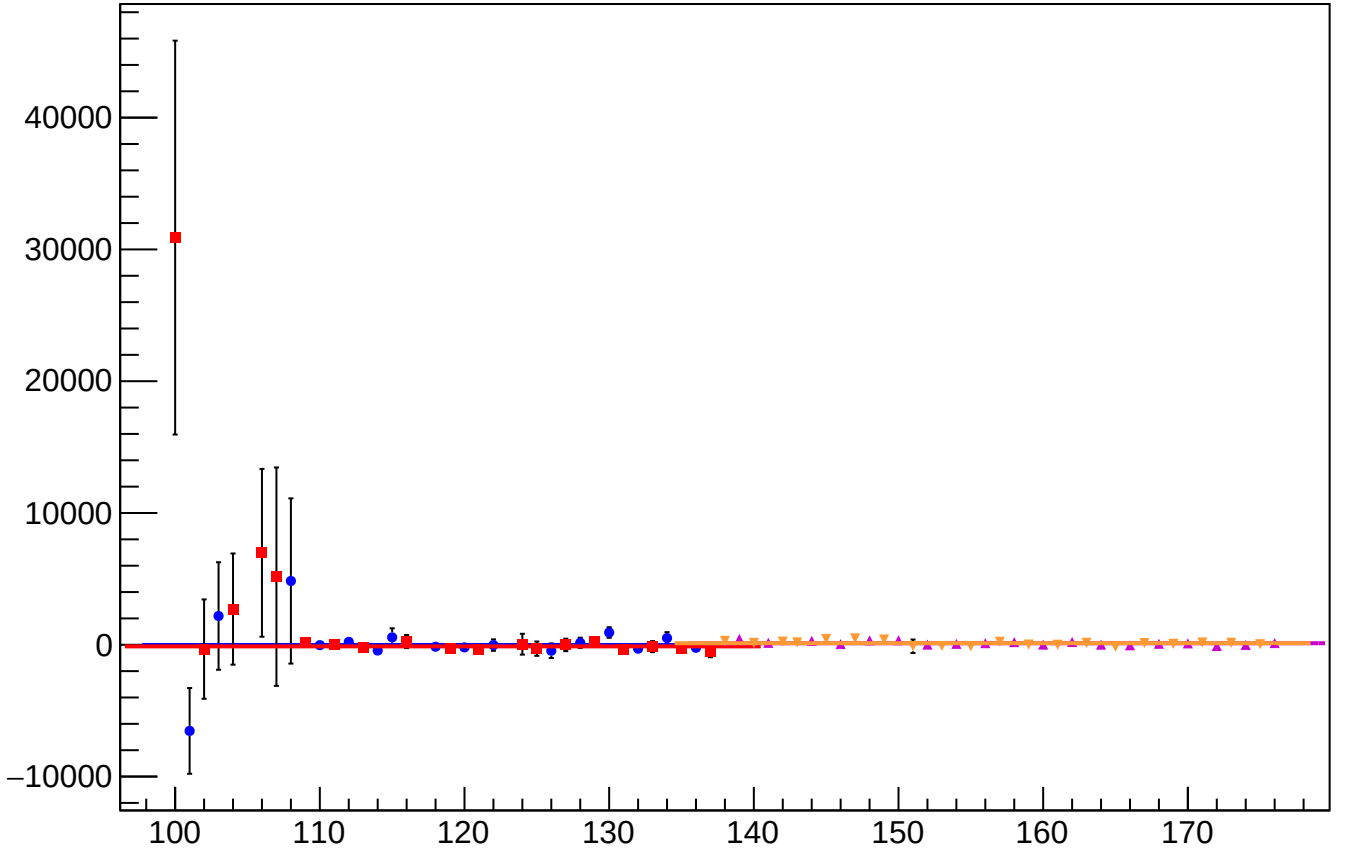
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.291+/-0.005 χ^2/NDF:3298382.3/34

Out: 34.343+/-0.005 χ^2/NDF:3570157.0/38

All: 34.317+/-0.004 χ^2/NDF: 6868588.5/73

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: 120.528+/-56.609 χ^2/NDF:7.7/19

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 117.452+/-50.032 χ^2/NDF:6.6/18

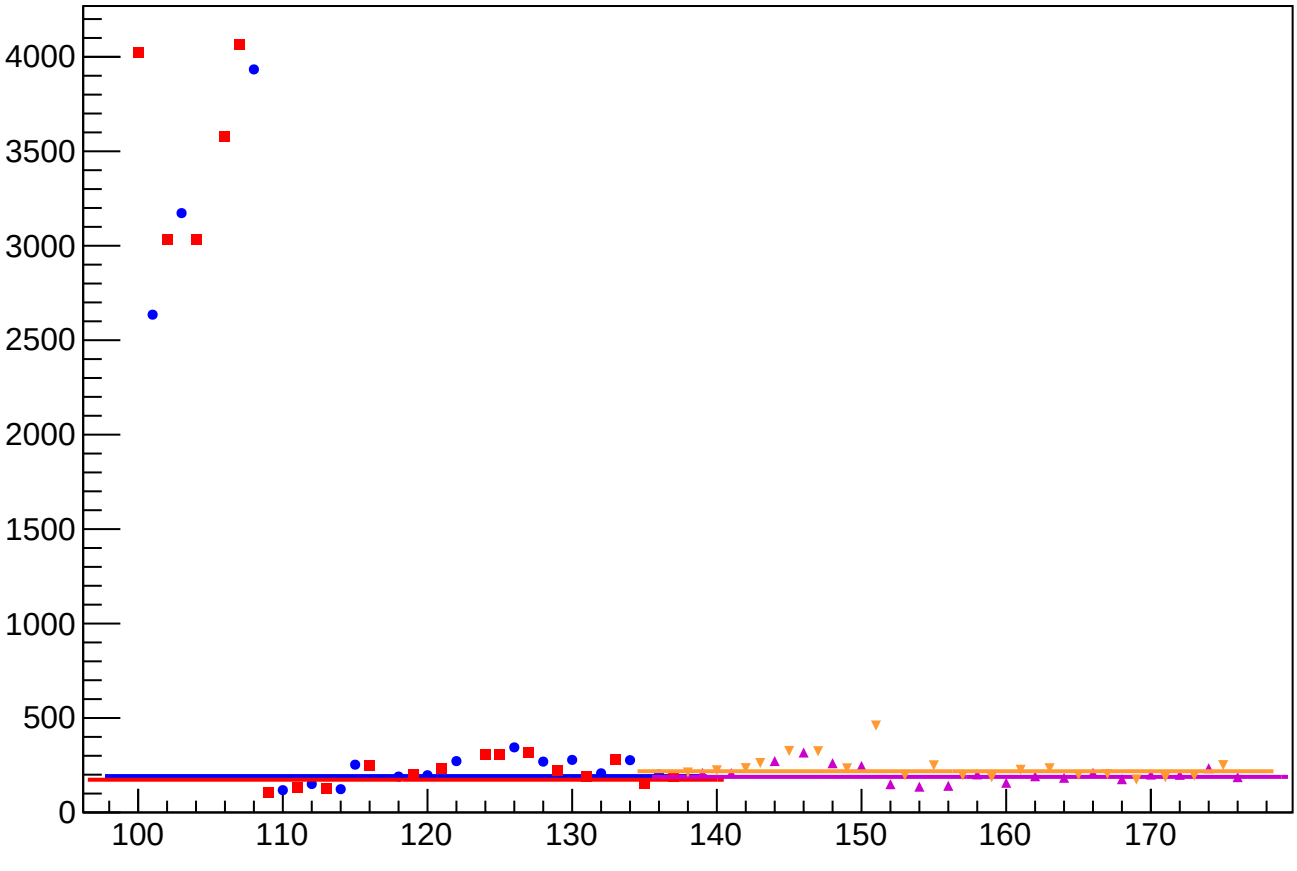
Left: 118.801+/-37.489 χ^2/NDF: 14.3/38

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 82.245+/-43.125 χ^2/NDF:26.7/34

Out: 38.203+/-45.907 χ^2/NDF:27.2/38

All: 61.599+/-31.432 χ^2/NDF: 54.3/73



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.204+/-0.040 χ^2/NDF:1195814.0/19

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

Left: 201.414+/-0.027 χ^2/NDF: 2873391.1/38

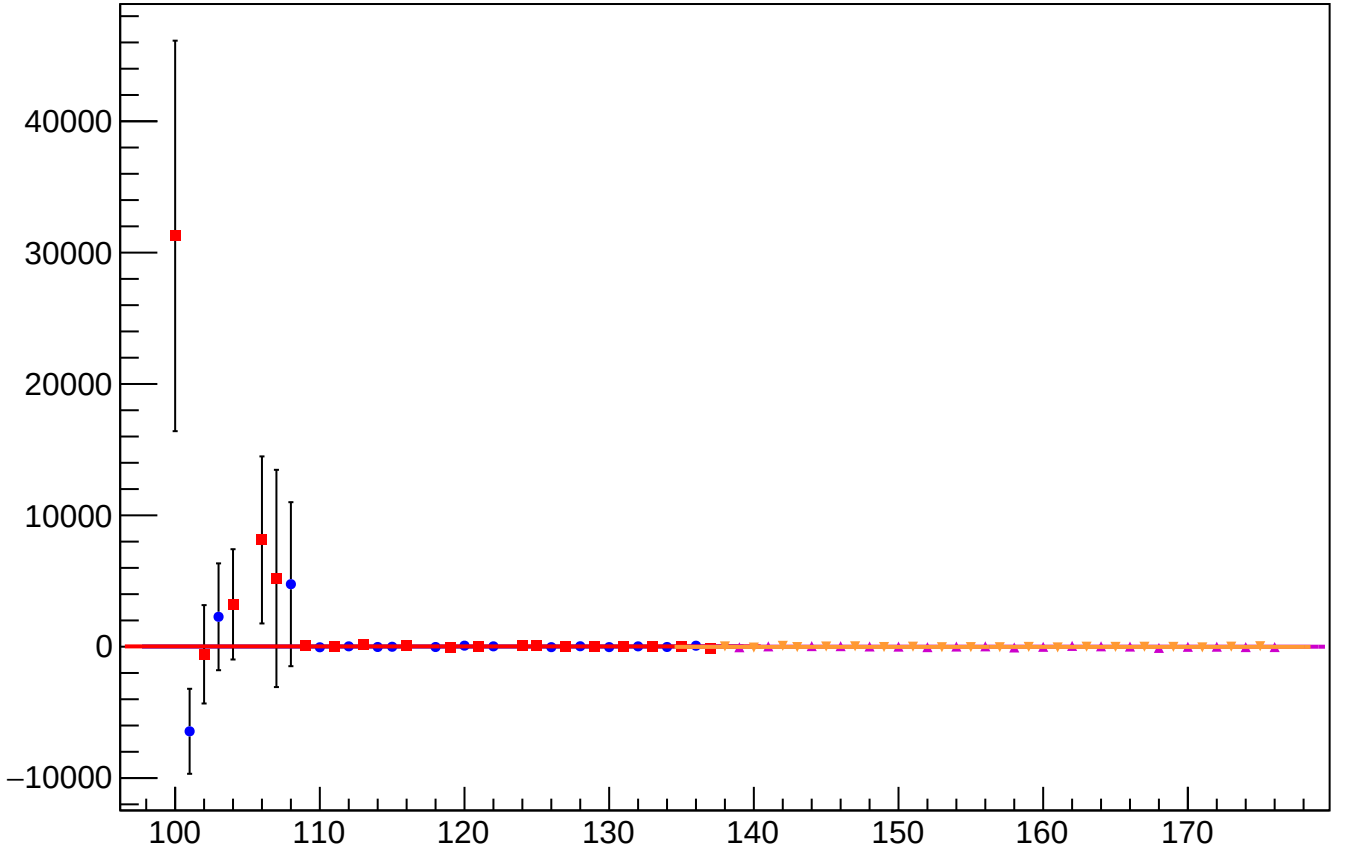
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.394+/-0.030 χ^2/NDF:5190716.2/34

Out: 202.813+/-0.032 χ^2/NDF:5935082.9/38

All: 195.685+/-0.022 χ^2/NDF: 11216572.4/73

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: -13.572+/-7.872 χ^2/NDF:15.1/19

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 0.155+/-7.958 χ^2/NDF:23.7/18

Left: -6.783+/-5.596 χ^2/NDF: 40.3/38

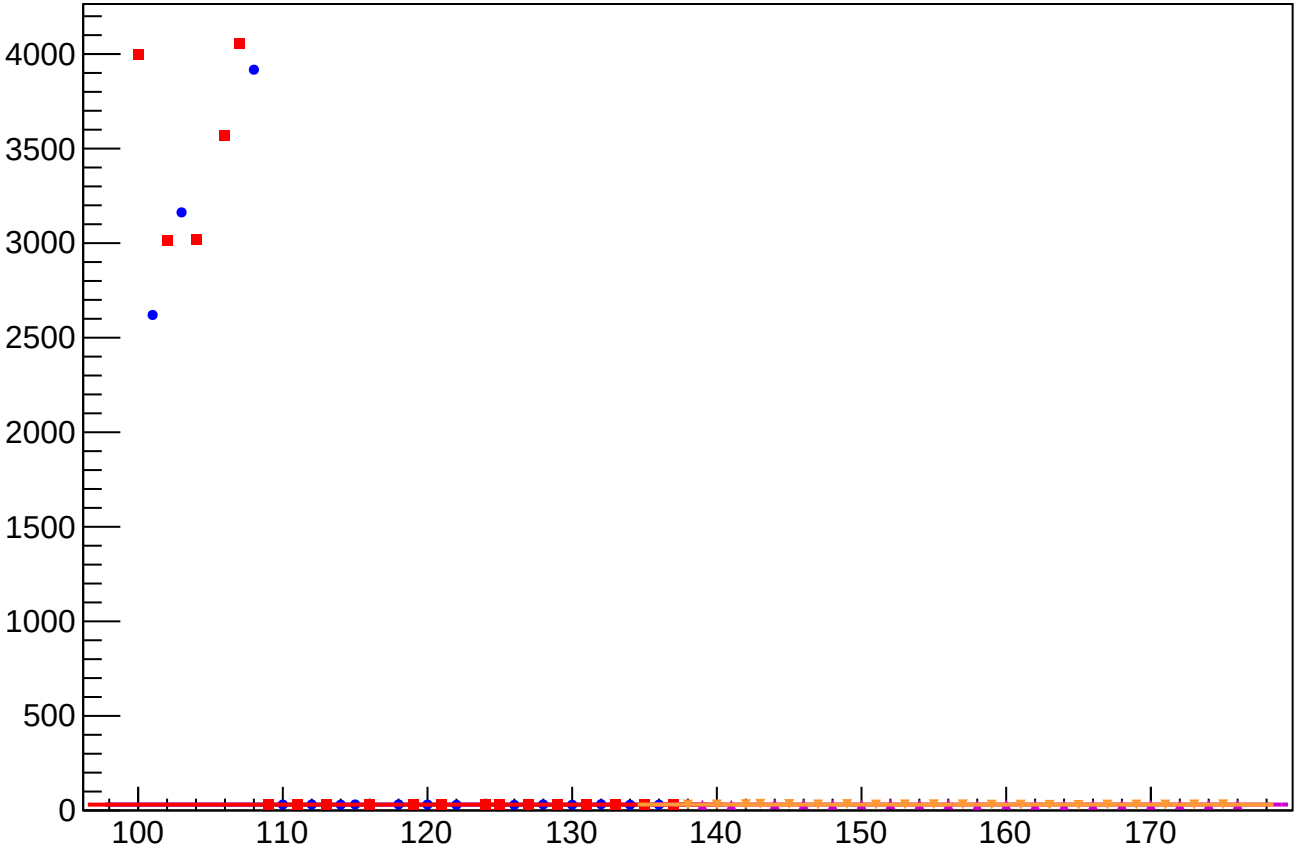
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 3.825+/-6.796 χ^2/NDF:39.9/34

Out: -3.897+/-6.758 χ^2/NDF:49.6/38

All: -0.058+/-4.792 χ^2/NDF: 90.1/73

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: 31.285+/-0.006 χ^2/NDF:59456.2/19

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

Left: 31.281+/-0.004 χ^2/NDF: 140034.7/38

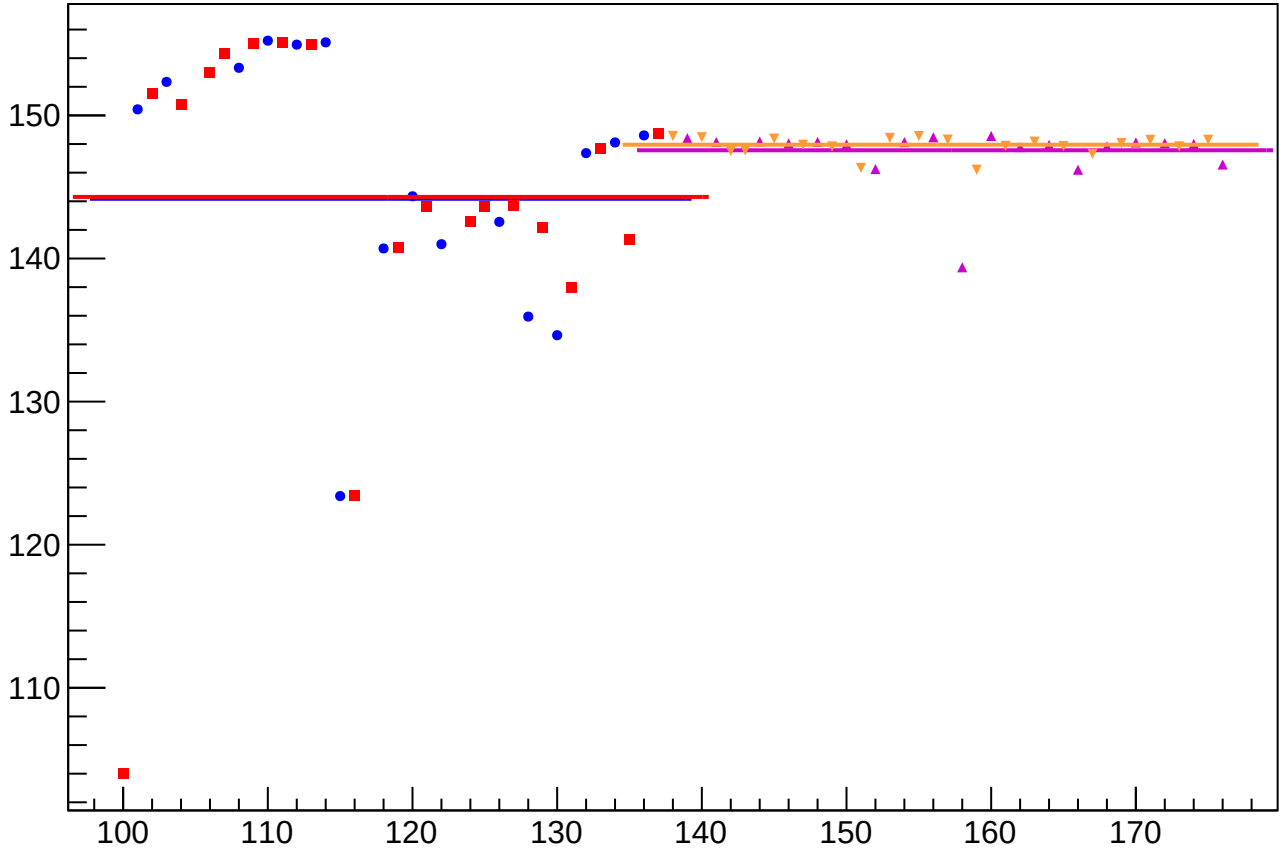
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.183+/-0.005 χ^2/NDF:3334224.2/34

Out: 31.152+/-0.005 χ^2/NDF:3597882.2/38

All: 31.167+/-0.003 χ^2/NDF: 6932127.4/73

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

Left: 147.766+/-0.000 χ^2/NDF: 333542164.1/38

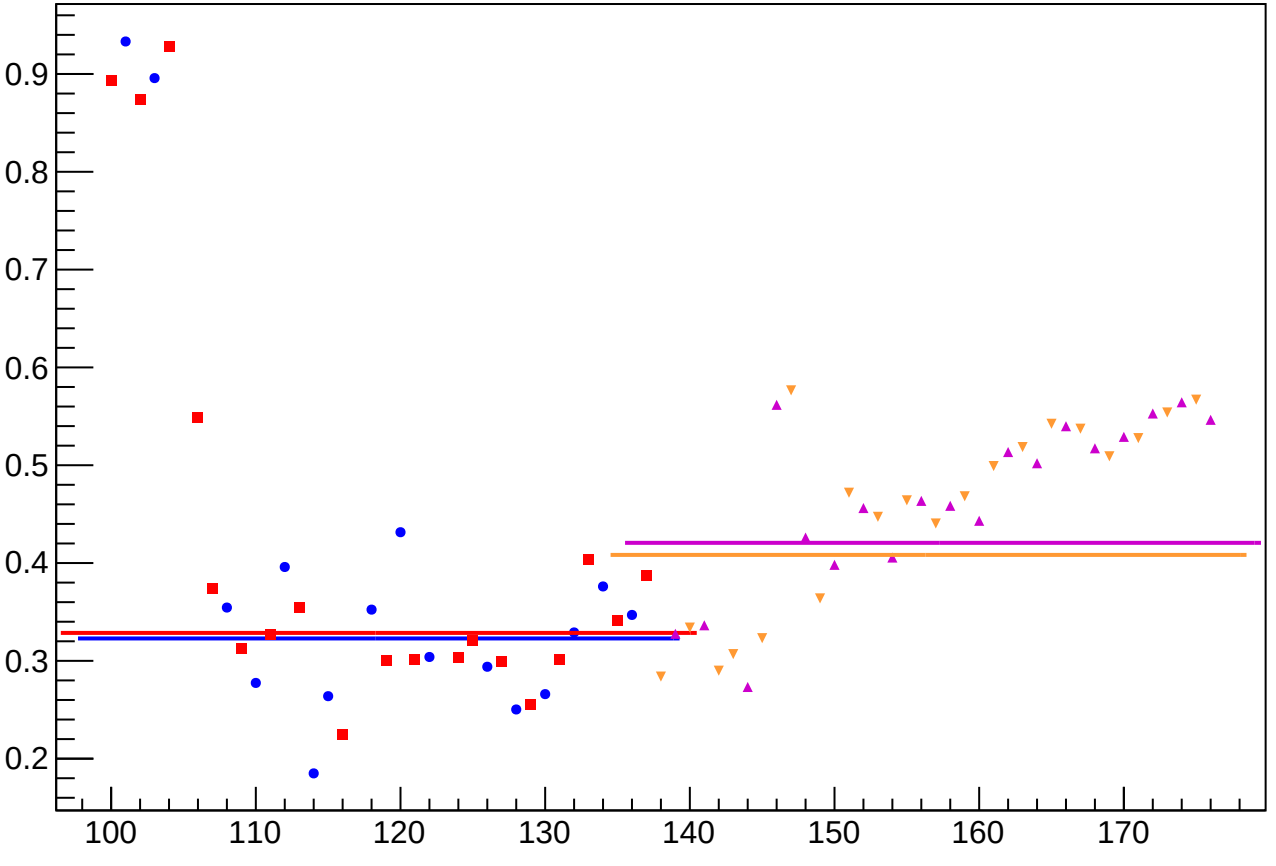
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.160+/-0.000 χ^2/NDF:4401136873.8/34

Out: 146.513+/-0.000 χ^2/NDF:4754173312.6/38

All: 146.340+/-0.000 χ^2/NDF: 9164061156.5

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

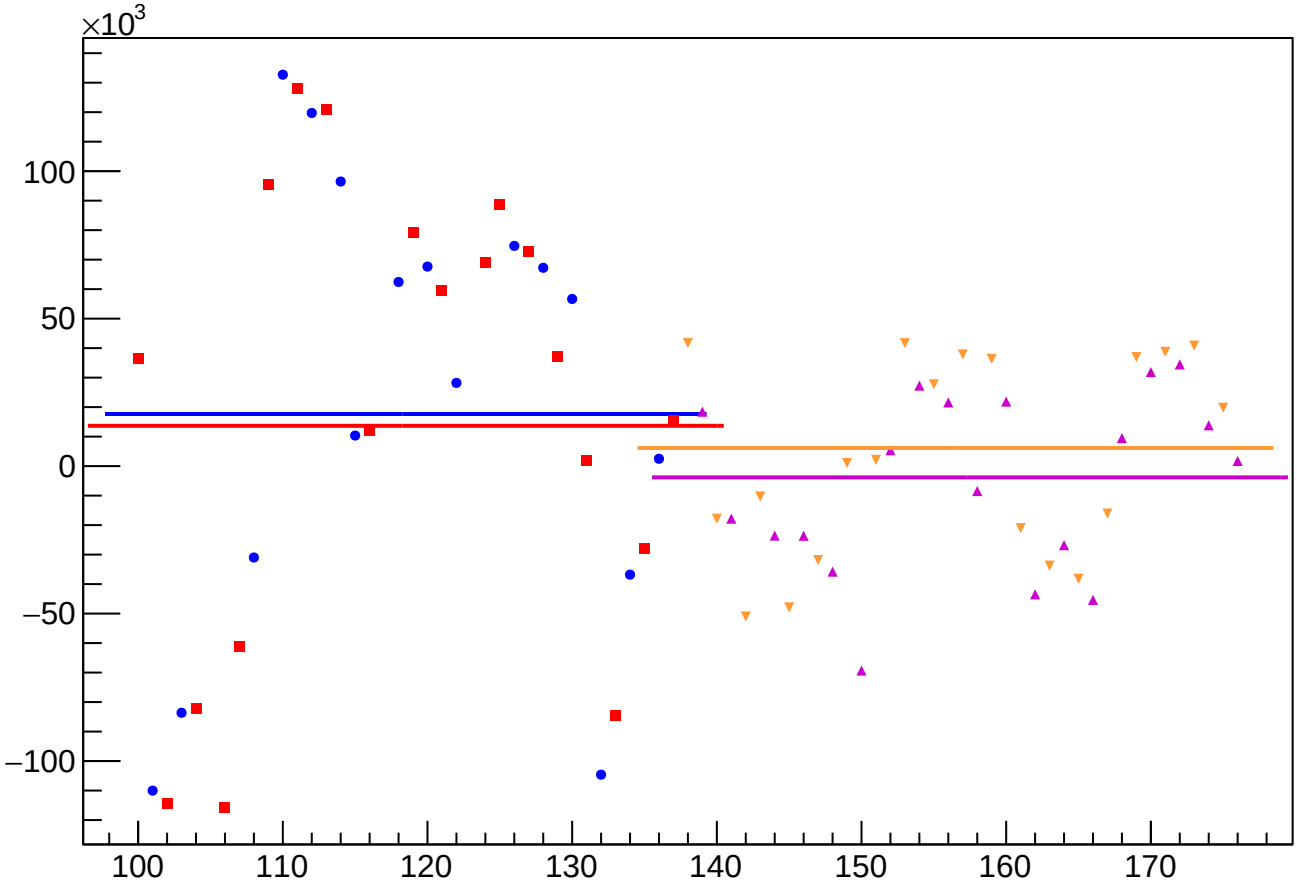
Left: 0.414+/-0.000 χ^2/NDF: 3151883.8/38

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.380+/-0.000 χ^2/NDF:3463065.9/34

Out: 0.377+/-0.000 χ^2/NDF:3449979.9/38

All: 0.378+/-0.000 χ^2/NDF: 6914561.6/73



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 6149.890+/-1.218 χ^2/NDF:675272590.3/19

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -3819.352+/-1.229 χ^2/NDF:581698690.0/18

Left: 1208.715+/-0.865 χ^2/NDF: 1290172896.8/38

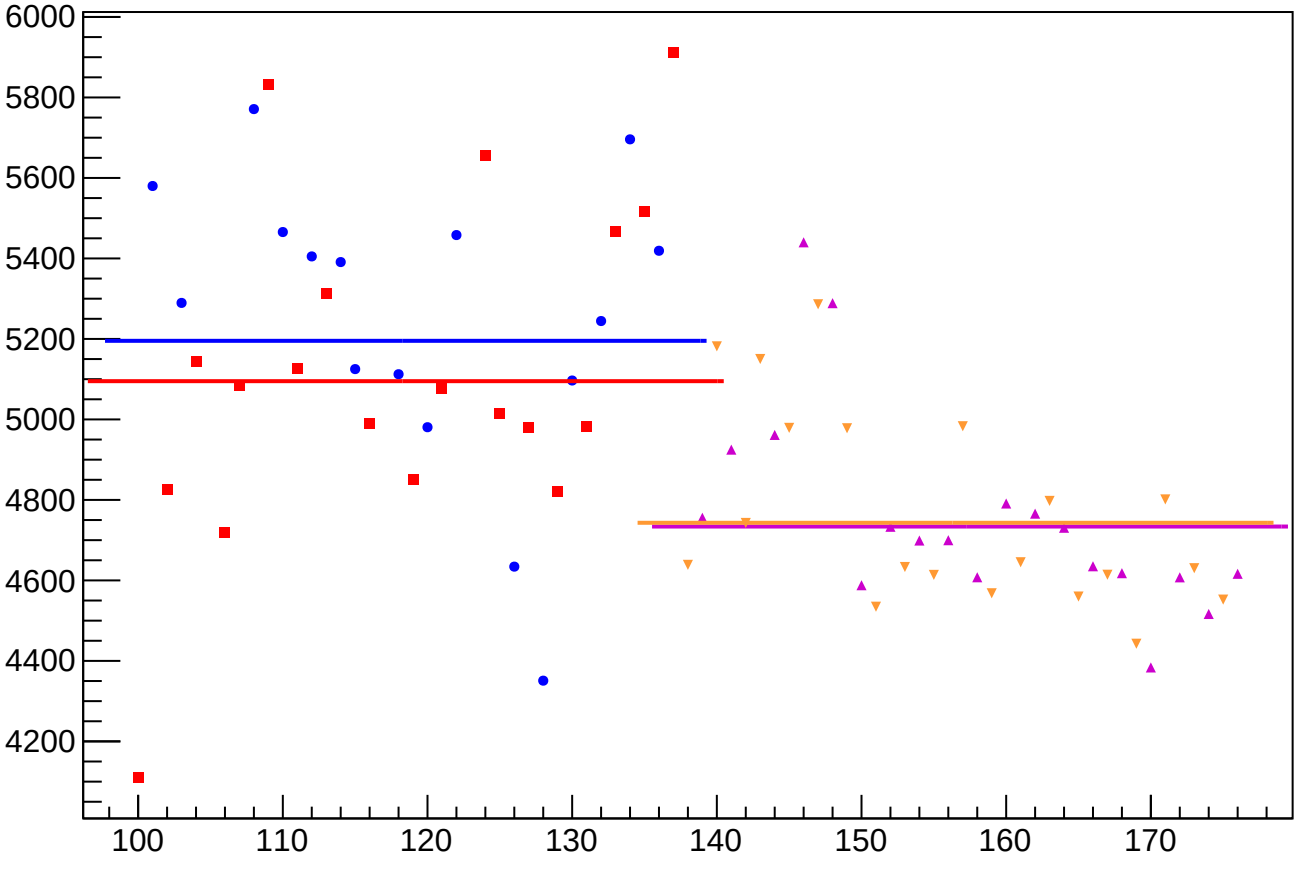
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 2043.773+/-1.048 χ^2/NDF:2063867537.6/34

Out: 8299.027+/-1.029 χ^2/NDF:2543123305.9/38

All: 5226.886+/-0.734 χ^2/NDF: 4625129676.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4743.191+/-0.861 χ^2/NDF:71167.9/19

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.848+/-0.869 χ^2/NDF:71094.0/18

Left: 4738.560+/-0.612 χ^2/NDF: 142320.2/38

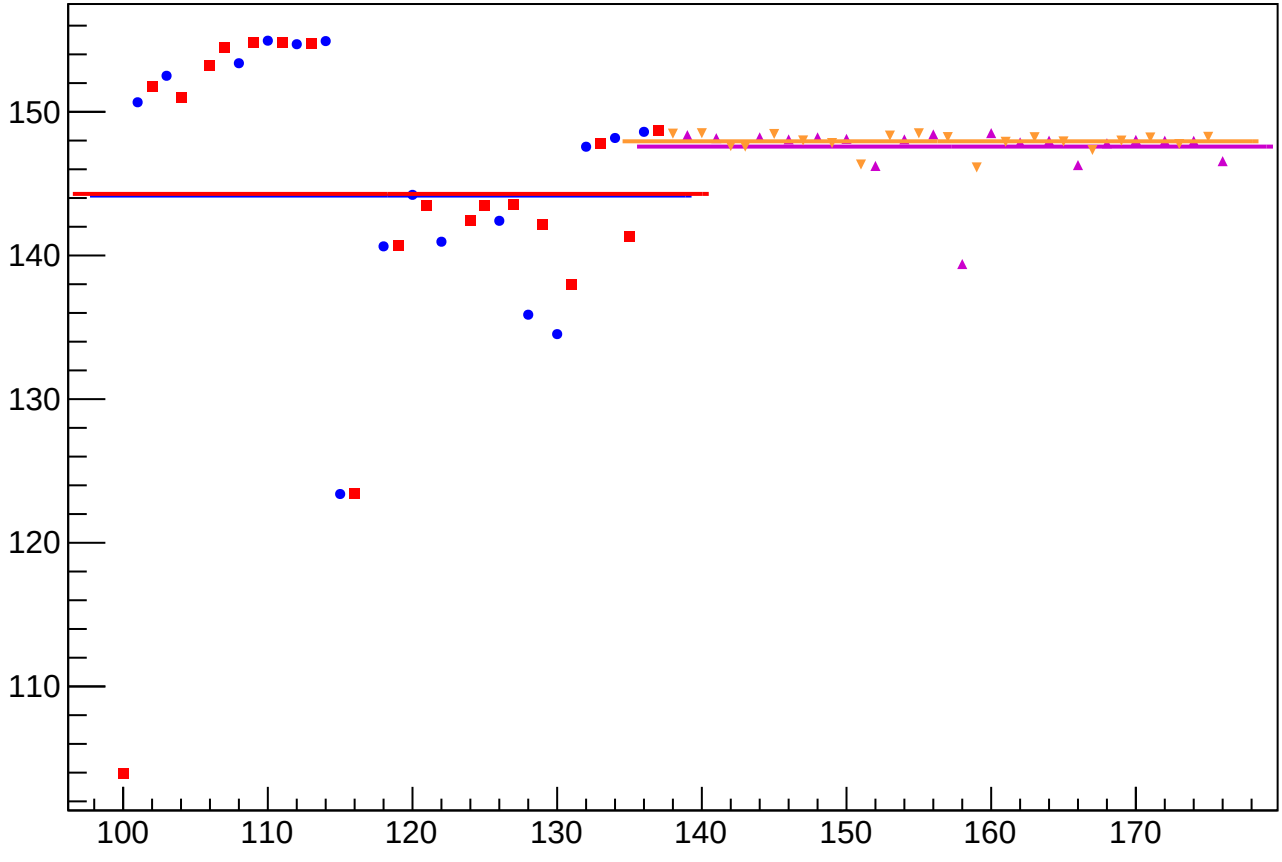
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4859.786+/-0.741 χ^2/NDF:225245.3/34

Out: 4843.796+/-0.728 χ^2/NDF:177997.7/38

All: 4851.649+/-0.519 χ^2/NDF: 403480.0/73

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.948+/-0.000 χ^2/NDF:34366586.3/19

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.580+/-0.000 χ^2/NDF:293039280.0/18

Left: 147.771+/-0.000 χ^2/NDF: 333120848.1/38

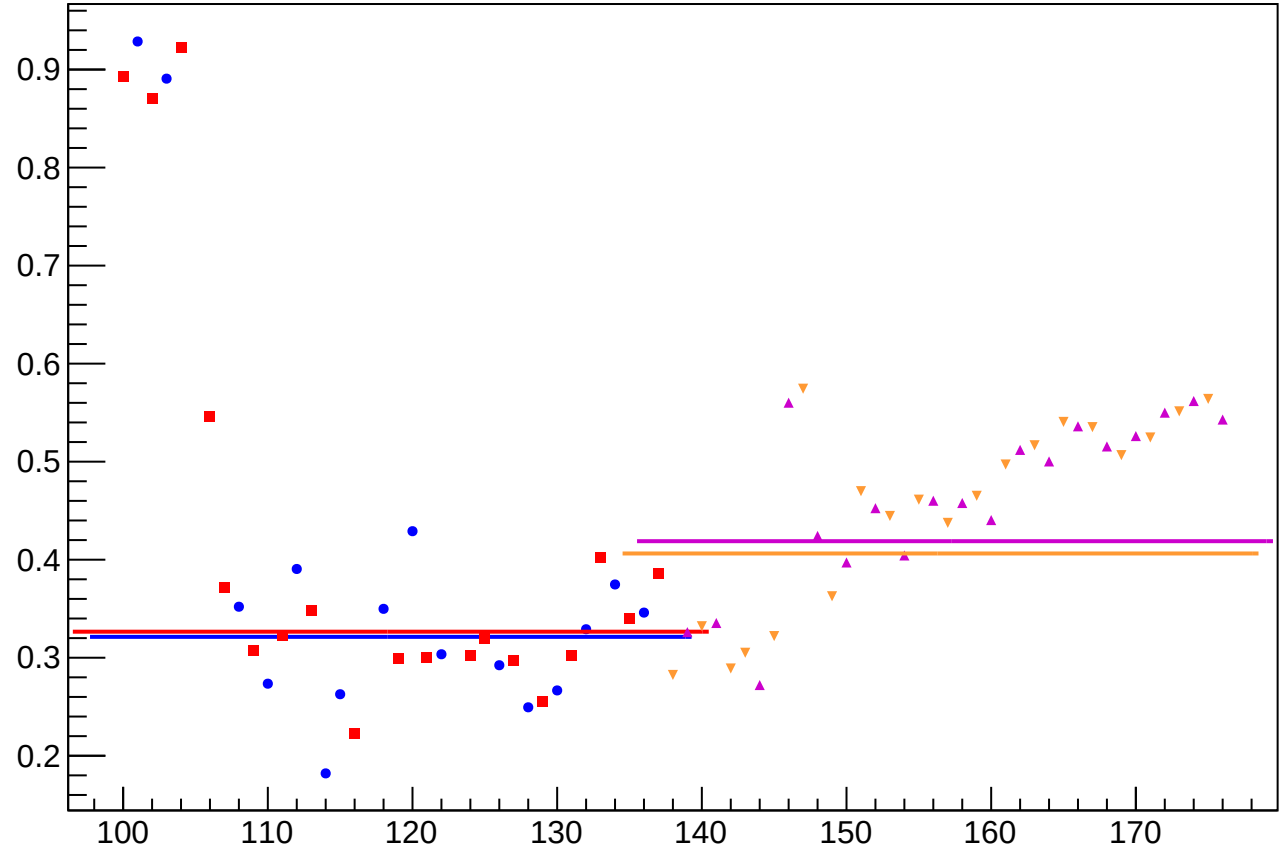
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.166+/-0.000 χ^2/NDF:4449728228.4/34

Out: 146.502+/-0.000 χ^2/NDF:4788067699.0/38

All: 146.337+/-0.000 χ^2/NDF: 9245762198.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.406+/-0.000 χ^2/NDF:1710918.2/19

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.419+/-0.000 χ^2/NDF:1423522.6/18

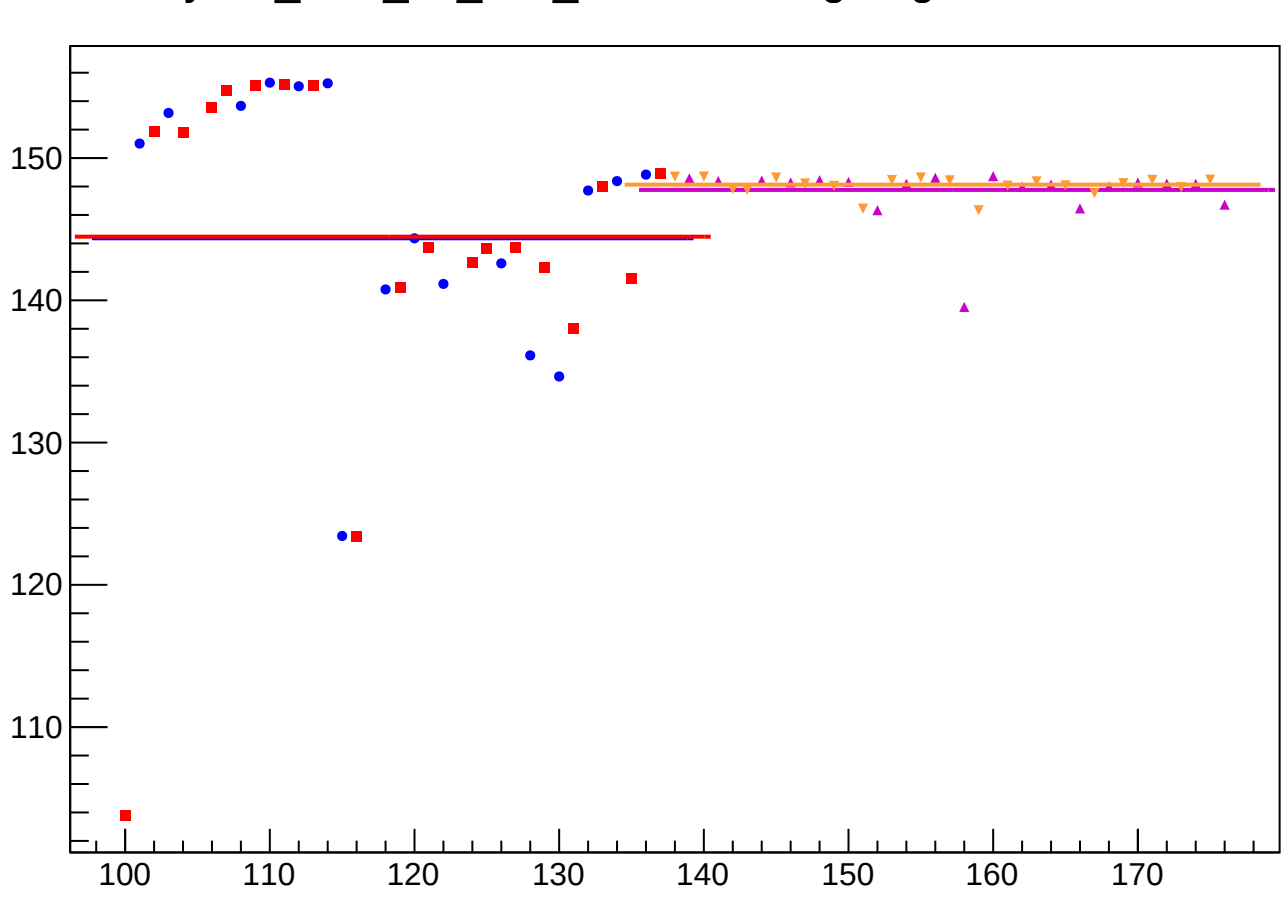
Left: 0.412+/-0.000 χ^2/NDF: 3147697.9/38

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

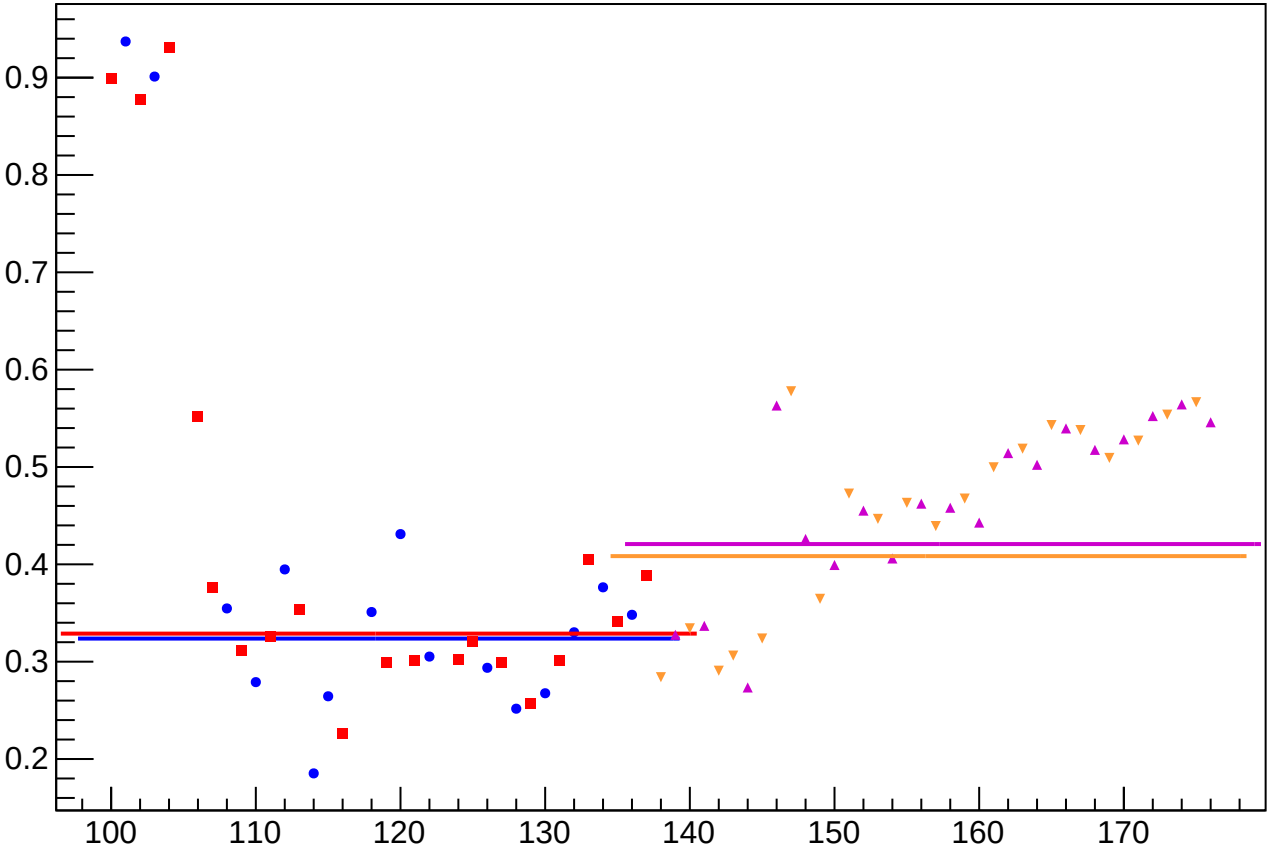
In: 0.378+/-0.000 χ^2/NDF:3462312.9/34

Out: 0.375+/-0.000 χ^2/NDF:3453672.7/38

All: 0.377+/-0.000 χ^2/NDF: 6917803.0/73


yield_bcm_an_ds3_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 144.361+/-0.000 χ²/NDF: 3758625293.6/15
Left Out: 148.133+/-0.000 χ²/NDF:34531843.3/19
Right Out: 144.475+/-0.000 χ²/NDF: 4281975463.8/18
Left In: 147.761+/-0.000 χ²/NDF:297655694.9/18
Left: 147.954+/-0.000 χ²/NDF: 337980311.9/38
Right: 144.417+/-0.000 χ²/NDF: 8040967165.8/34
In: 146.355+/-0.000 χ²/NDF:4441466802.0/34
Out: 146.691+/-0.000 χ²/NDF:4773577641.7/38
All: 146.526+/-0.000 χ²/NDF: 9222957409.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.408+/-0.000 χ^2/NDF:1707441.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.421+/-0.000 χ^2/NDF:1422553.4/18

Left: 0.414+/-0.000 χ^2/NDF: 3142810.3/38

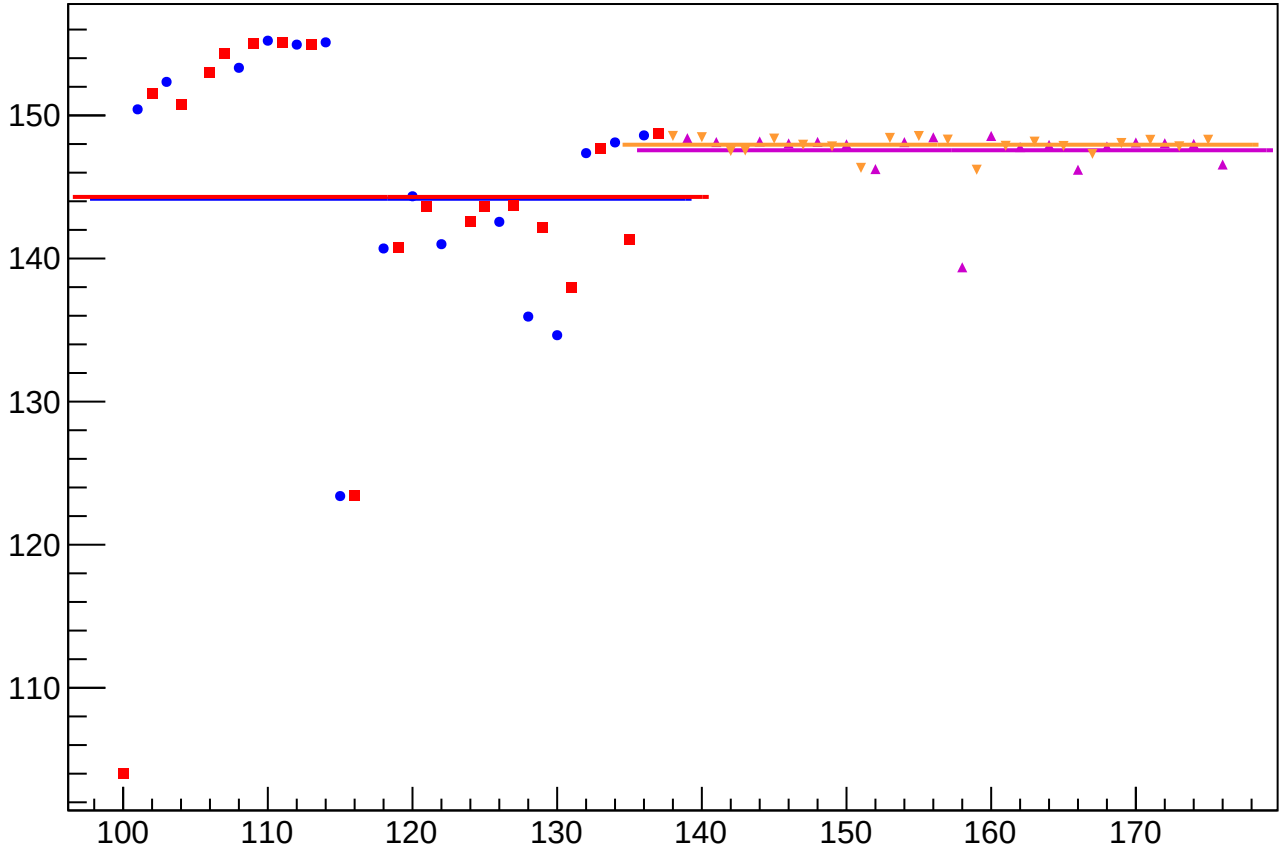
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.381+/-0.000 χ^2/NDF:3443376.6/34

Out: 0.377+/-0.000 χ^2/NDF:3443506.6/38

All: 0.379+/-0.000 χ^2/NDF: 6888719.9/73

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:34573313.2/19

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

Left: 147.766+/-0.000 χ^2/NDF: 333542164.1/38

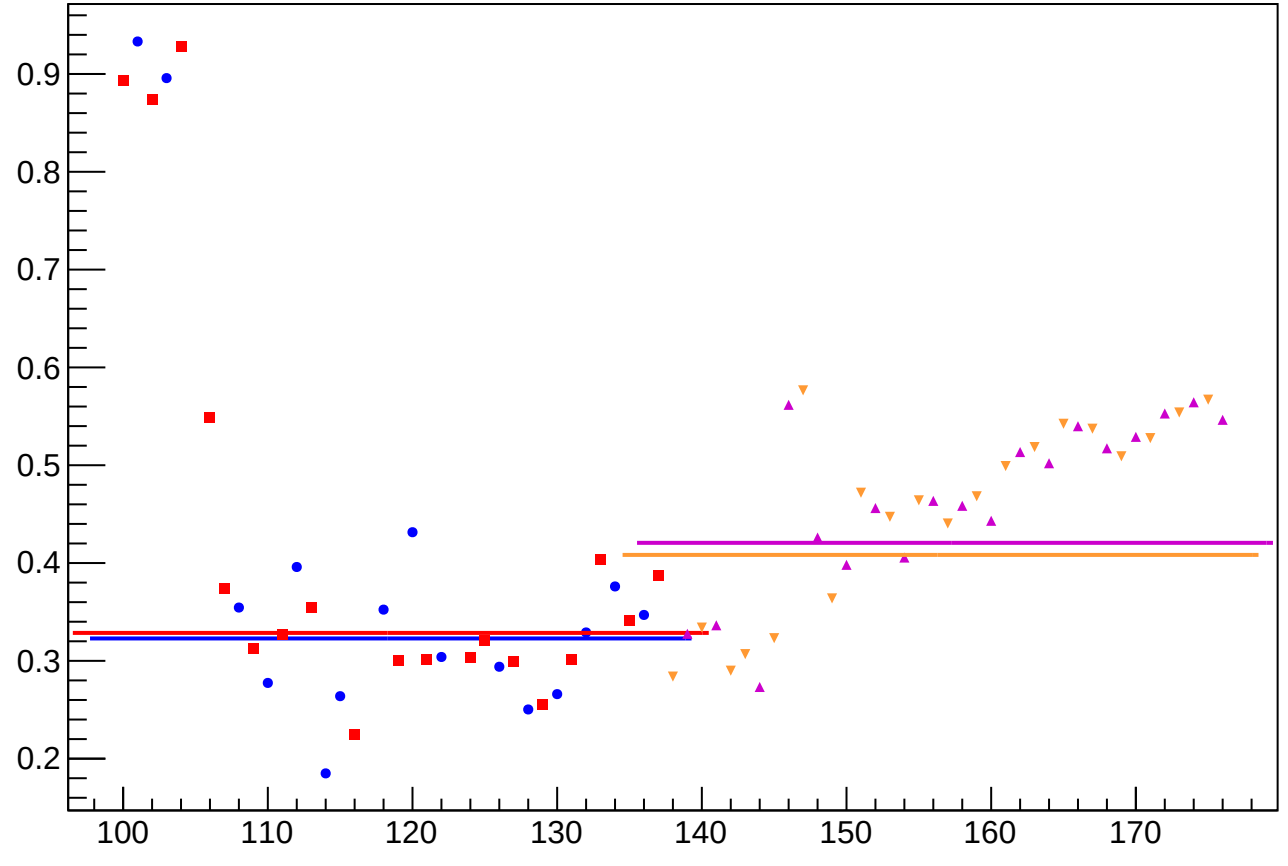
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.160+/-0.000 χ^2/NDF:4401136873.8/34

Out: 146.513+/-0.000 χ^2/NDF:4754173312.6/38

All: 146.340+/-0.000 χ^2/NDF: 9164061156.5

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.408+/-0.000 χ^2/NDF:1710979.1/19

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

Left: 0.414+/-0.000 χ^2/NDF: 3151883.8/38

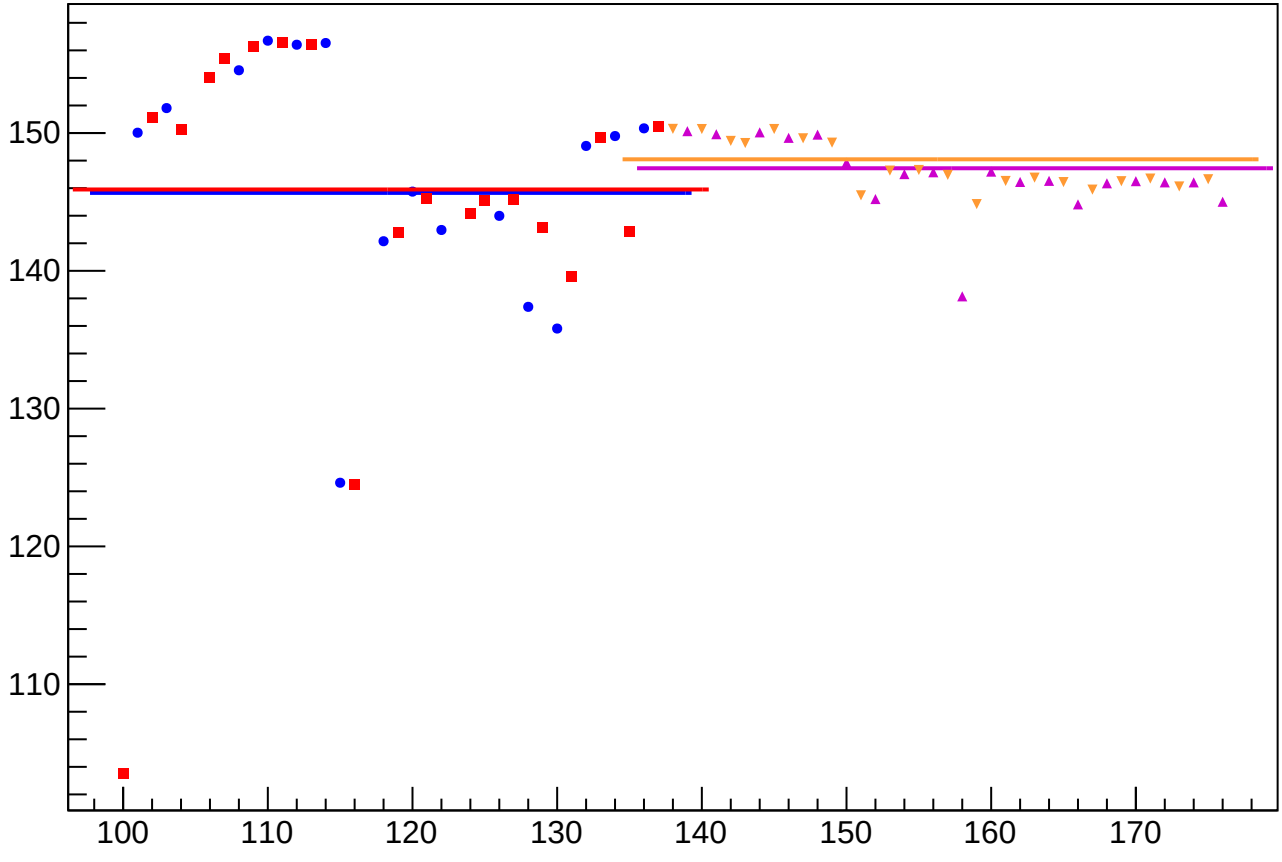
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.380+/-0.000 χ^2/NDF:3463065.9/34

Out: 0.377+/-0.000 χ^2/NDF:3449979.9/38

All: 0.378+/-0.000 χ^2/NDF: 6914561.6/73

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.094+/-0.000 χ^2/NDF:264195933.0/19

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.444+/-0.000 χ^2/NDF:576521030.0/18

Left: 147.778+/-0.000 χ^2/NDF: 857280687.7/38

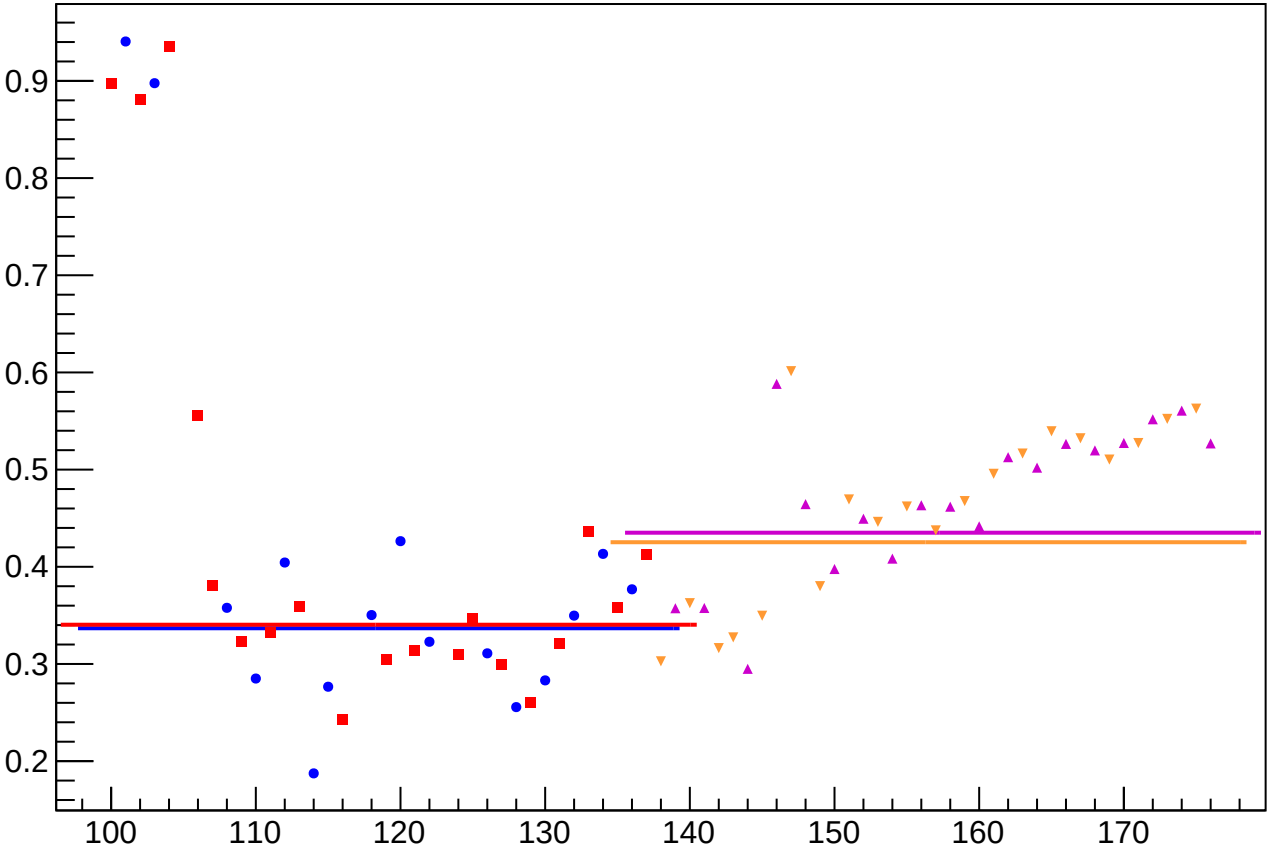
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.716+/-0.000 χ^2/NDF:4157289444.9/34

Out: 147.231+/-0.000 χ^2/NDF:4279895399.1/38

All: 146.978+/-0.000 χ^2/NDF: 8454559575.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:1279543.8/19

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.435+/-0.000 χ^2/NDF:1081059.2/18

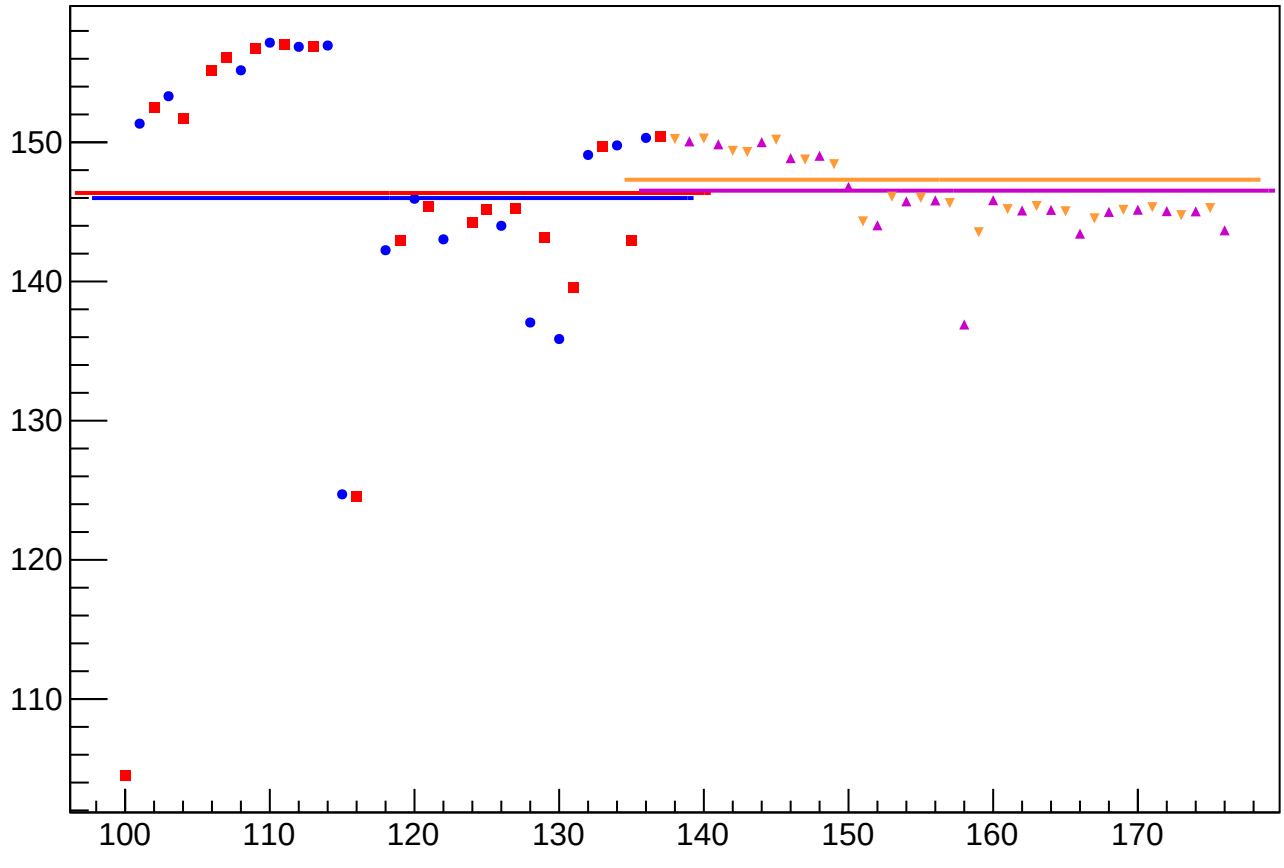
Left: 0.430+/-0.000 χ^2/NDF: 2368129.3/38

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

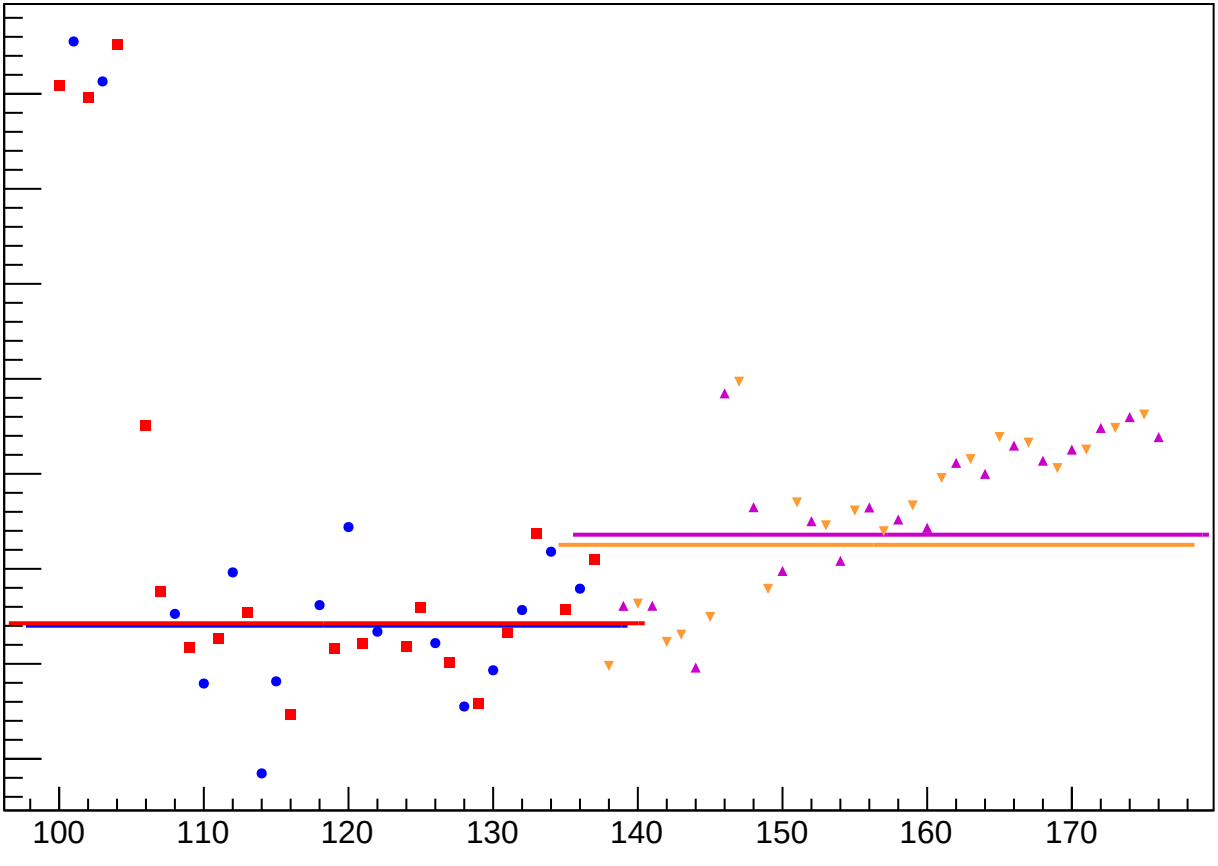
In: 0.395+/-0.000 χ^2/NDF:3052476.2/34

Out: 0.392+/-0.000 χ^2/NDF:3013446.6/38

All: 0.393+/-0.000 χ^2/NDF: 6067257.7/73


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 147.313+/-0.000 χ²/NDF:450452111.8/19
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 146.526+/-0.000 χ²/NDF:768529116.3/18
Left: 146.931+/-0.000 χ²/NDF: 1243216580.2/38
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.311+/-0.000 χ²/NDF:4398861945.4/34
Out: 146.940+/-0.000 χ²/NDF:4442287950.8/38
All: 146.632+/-0.000 χ²/NDF: 8866820005.1

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.425+/-0.000 χ^2/NDF:1262384.0/19

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.436+/-0.000 χ^2/NDF:1043638.4/18

Left: 0.430+/-0.000 χ^2/NDF: 2314940.8/38

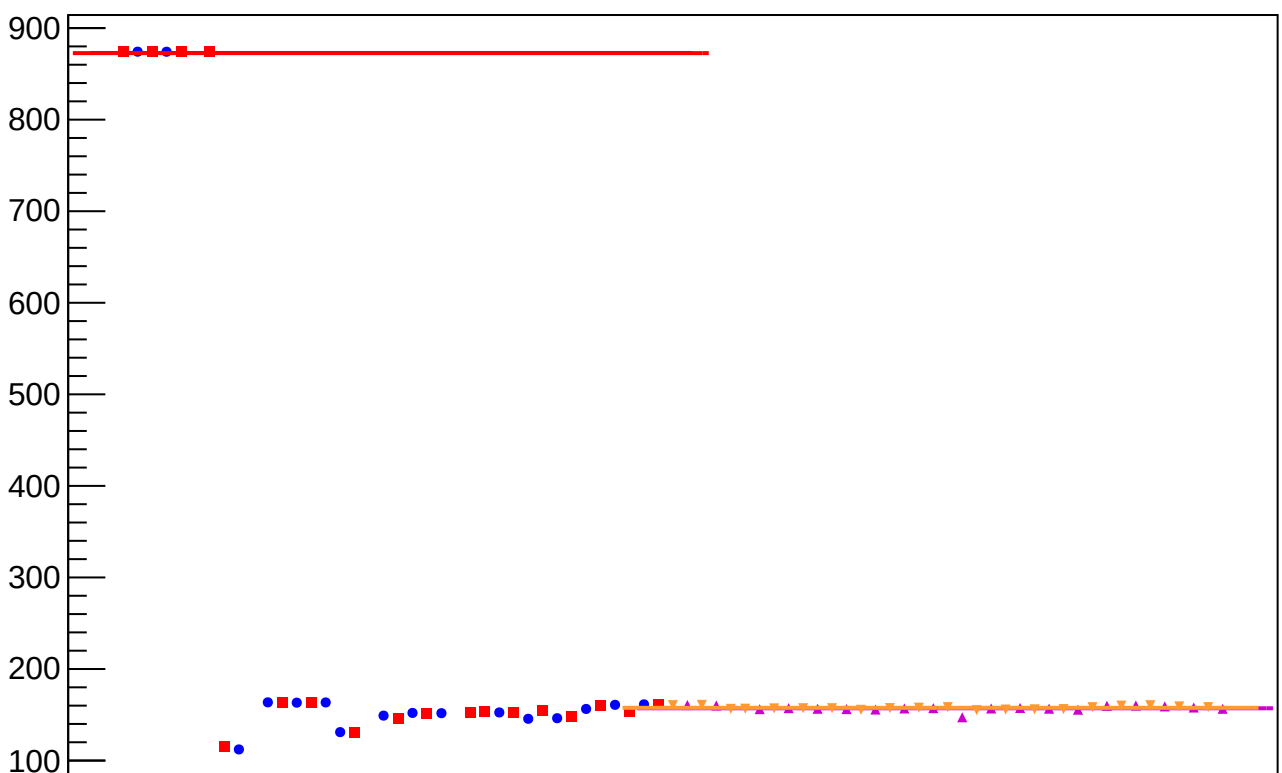
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.397+/-0.000 χ^2/NDF:2998342.5/34

Out: 0.393+/-0.000 χ^2/NDF:2962937.5/38

All: 0.395+/-0.000 χ^2/NDF: 5963715.5/73

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.635+/-0.000 χ^2/NDF:90687083.3/19

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.095+/-0.000 χ^2/NDF:202686196.6/18

Left: 157.364+/-0.000 χ^2/NDF: 297331710.0/38

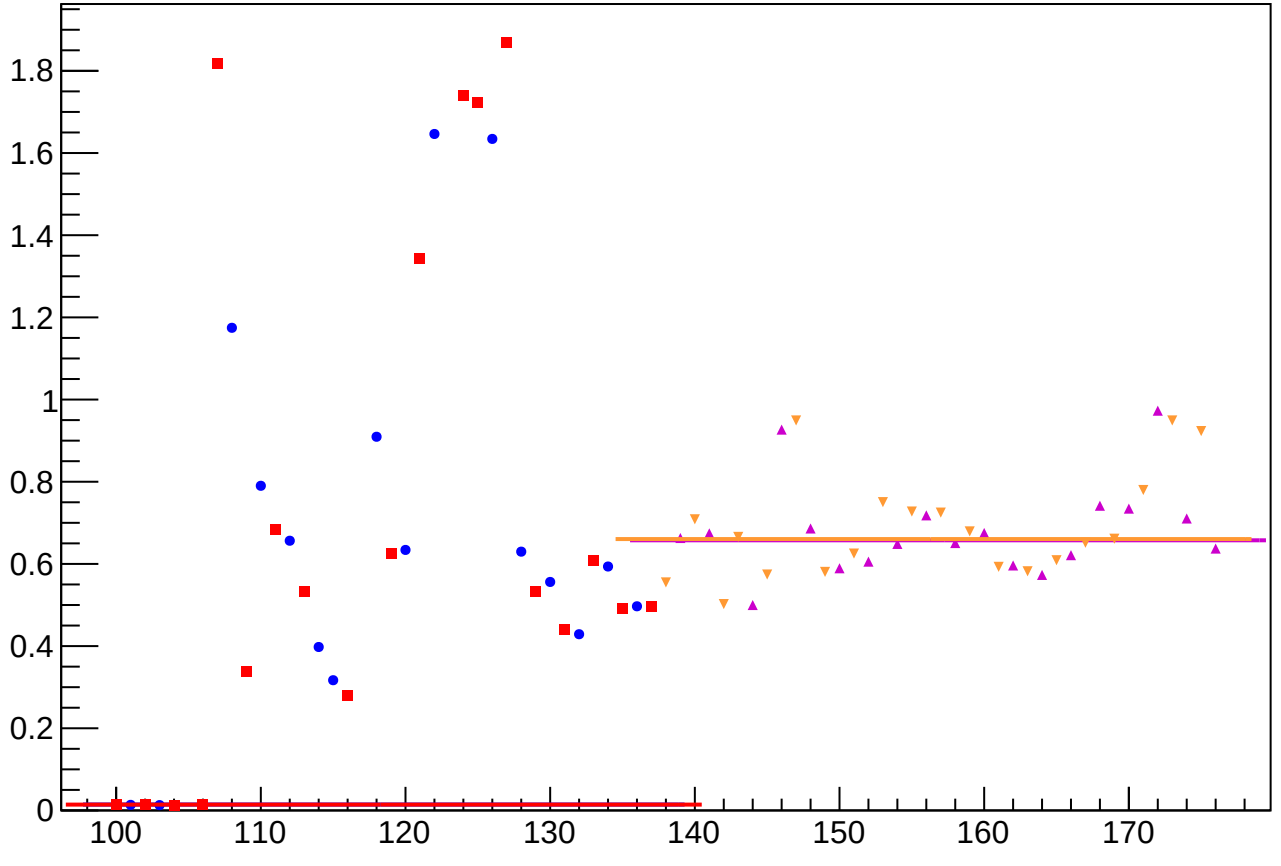
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.084+/-0.000 χ^2/NDF:21153645419530.0/3

Out: 870.325+/-0.000 χ^2/NDF:22965887028795.9

All: 870.213+/-0.000 χ^2/NDF: 44119754929

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.660+/-0.000 χ^2/NDF:604940.6/19

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.657+/-0.000 χ^2/NDF:461774.8/18

Left: 0.659+/-0.000 χ^2/NDF: 1066962.7/38

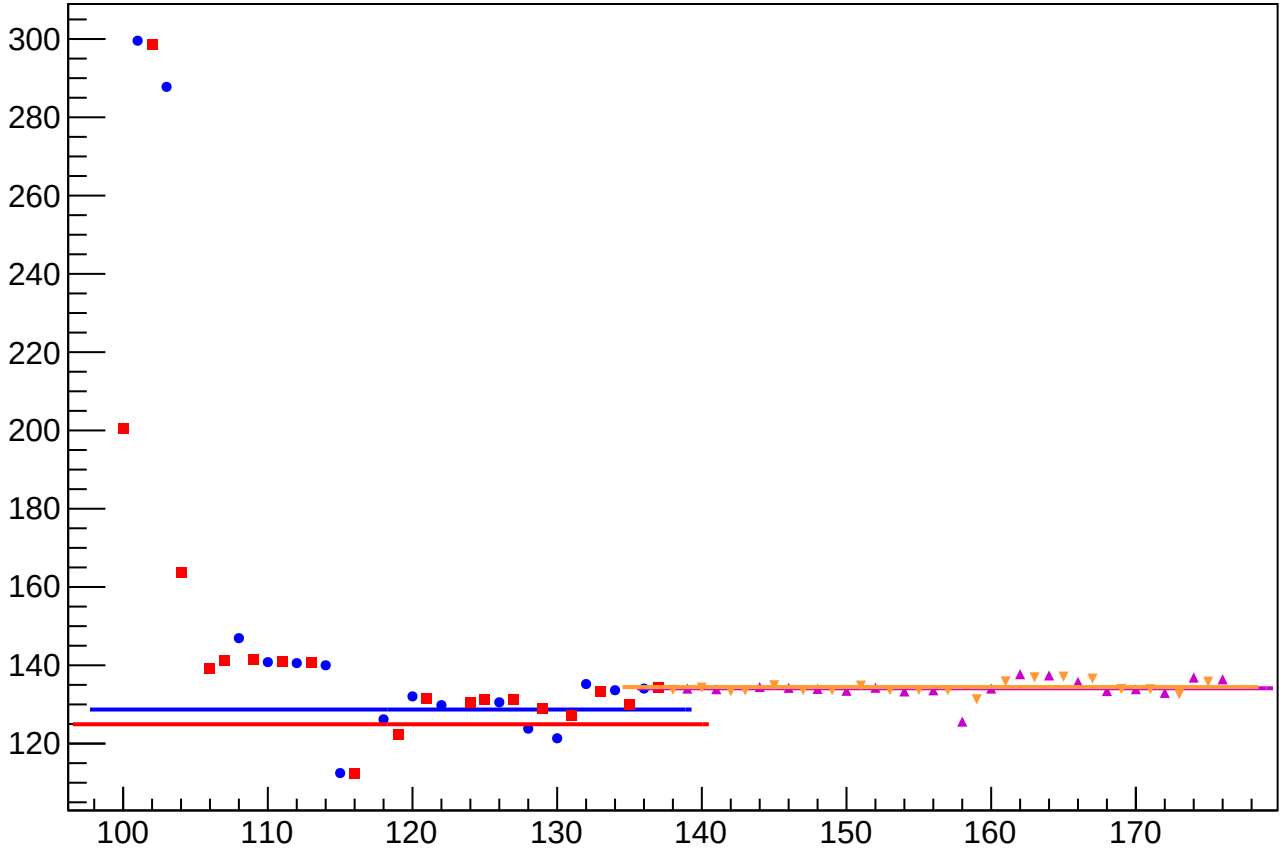
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:32627590.5/34

Out: 0.016+/-0.000 χ^2/NDF:32557011.2/38

All: 0.017+/-0.000 χ^2/NDF: 65186340.0/73

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.437+/-0.000 χ^2/NDF:123899638.4/19

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.126+/-0.000 χ^2/NDF:408792051.7/18

Left: 134.284+/-0.000 χ^2/NDF: 535335126.6/38

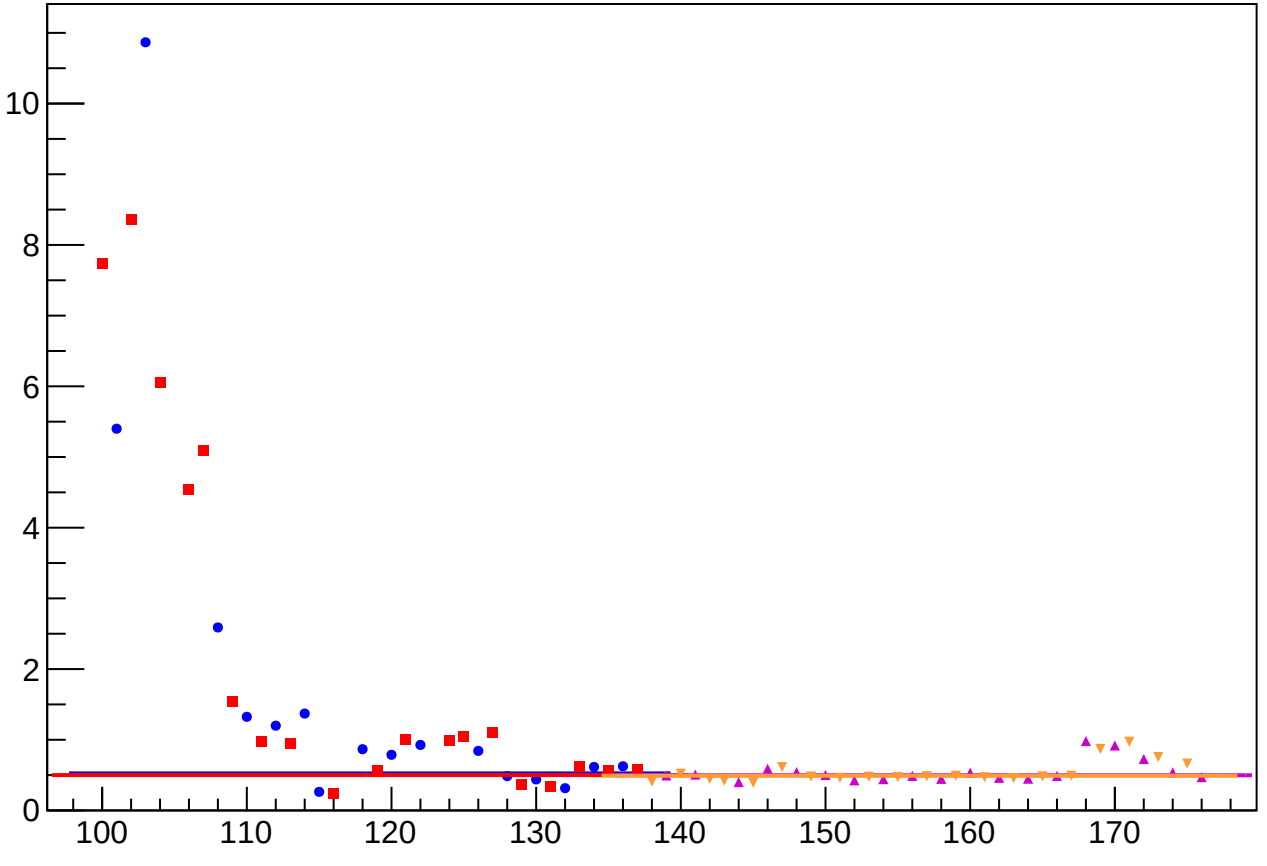
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.047+/-0.000 χ^2/NDF:2380118002.1/34

Out: 132.527+/-0.000 χ^2/NDF:2533794646.6/38

All: 132.782+/-0.000 χ^2/NDF: 4923171001.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.492+/-0.000 χ^2/NDF:1145737.9/19

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.498+/-0.000 χ^2/NDF:1089677.4/18

Left: 0.495+/-0.000 χ^2/NDF: 2237500.7/38

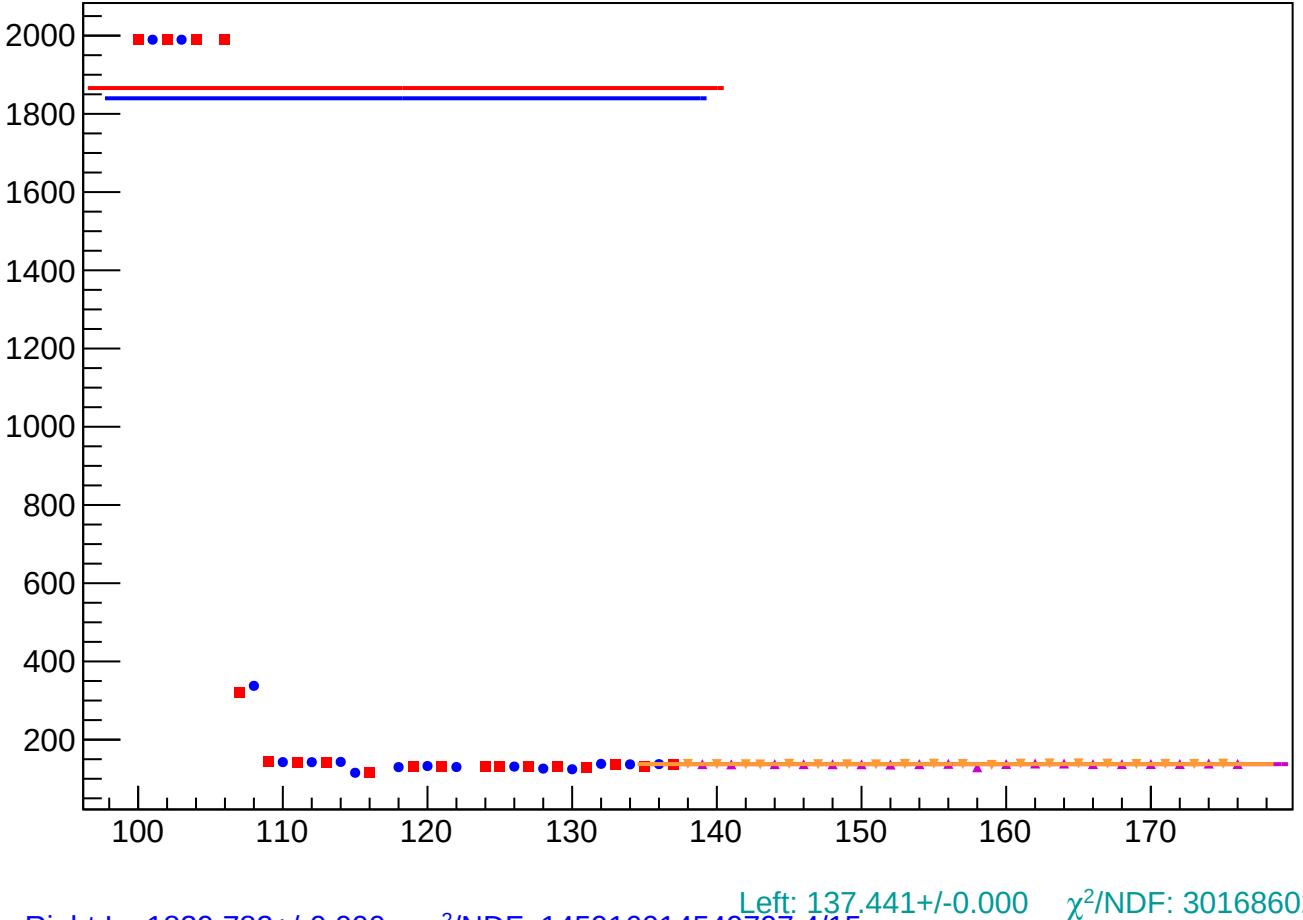
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:5242696.6/34

Out: 0.494+/-0.000 χ^2/NDF:6031600.6/38

All: 0.498+/-0.000 χ^2/NDF: 11280611.1/73

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.535+/-0.000 χ^2/NDF:61964985.1/19

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.338+/-0.000 χ^2/NDF:238183048.9/18

Left: 137.441+/-0.000 χ^2/NDF: 301686025.2/38

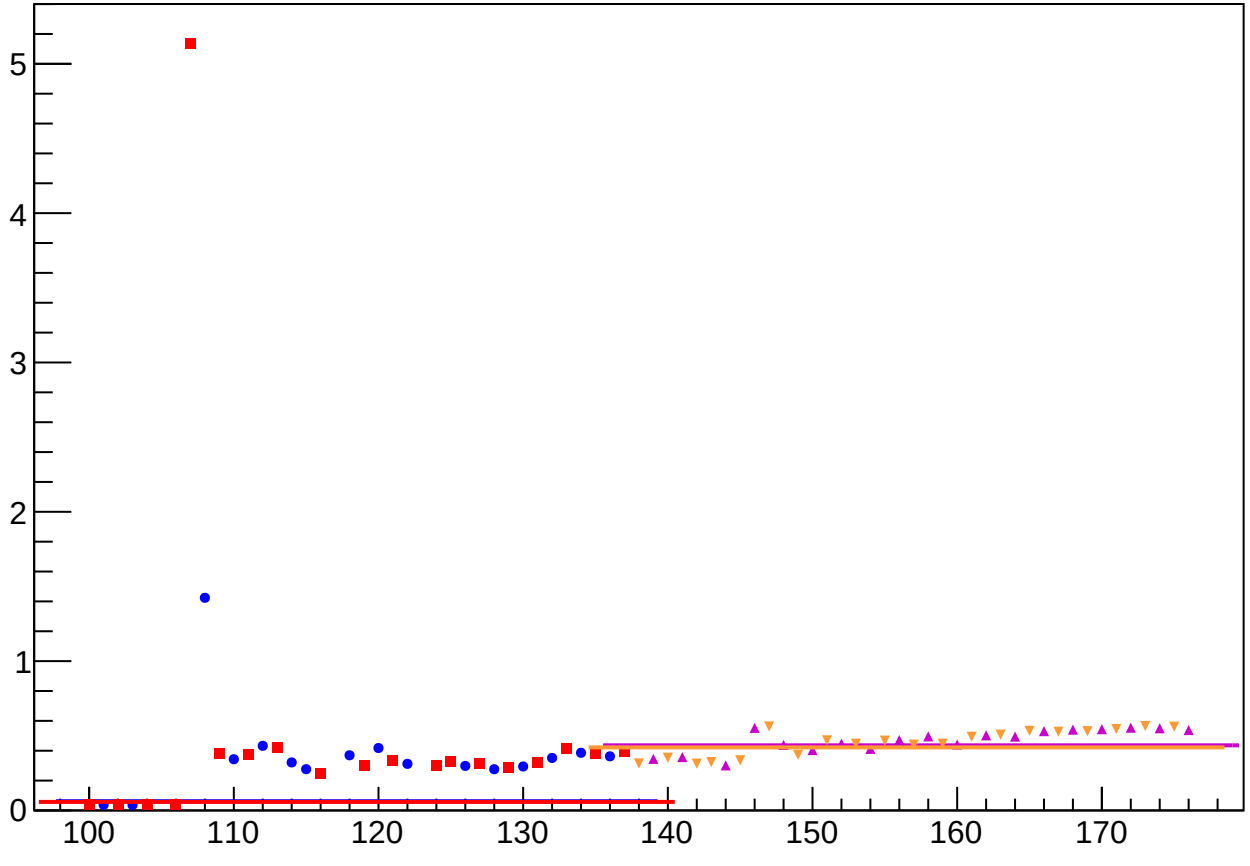
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1639.031+/-0.000 χ^2/NDF:340834738001096.

Out: 1675.560+/-0.000 χ^2/NDF:361931781636083

All: 1658.628+/-0.000 χ^2/NDF: 7032293612

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.422+/-0.000 χ^2/NDF:1296349.2/19

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.436+/-0.000 χ^2/NDF:1066697.2/18

Left: 0.429+/-0.000 χ^2/NDF: 2378136.6/38

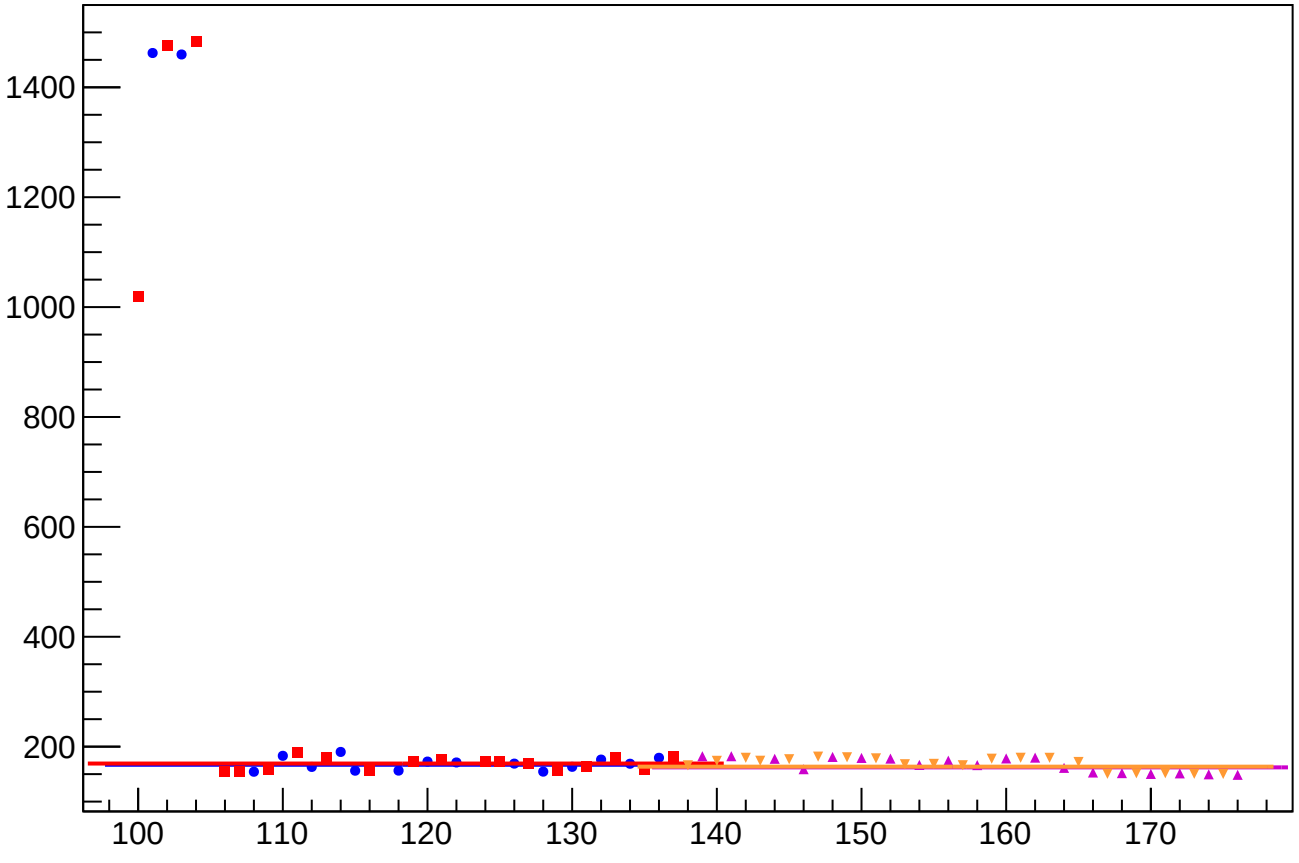
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.106+/-0.000 χ^2/NDF:28086795.1/34

Out: 0.097+/-0.000 χ^2/NDF:28585883.1/38

All: 0.101+/-0.000 χ^2/NDF: 56721803.2/73

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 163.584+/-0.000 χ^2/NDF:2900746157.2/19

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 162.287+/-0.000 χ^2/NDF:3148352493.0/18

Left: 162.938+/-0.000 χ^2/NDF: 6065266812.7/38

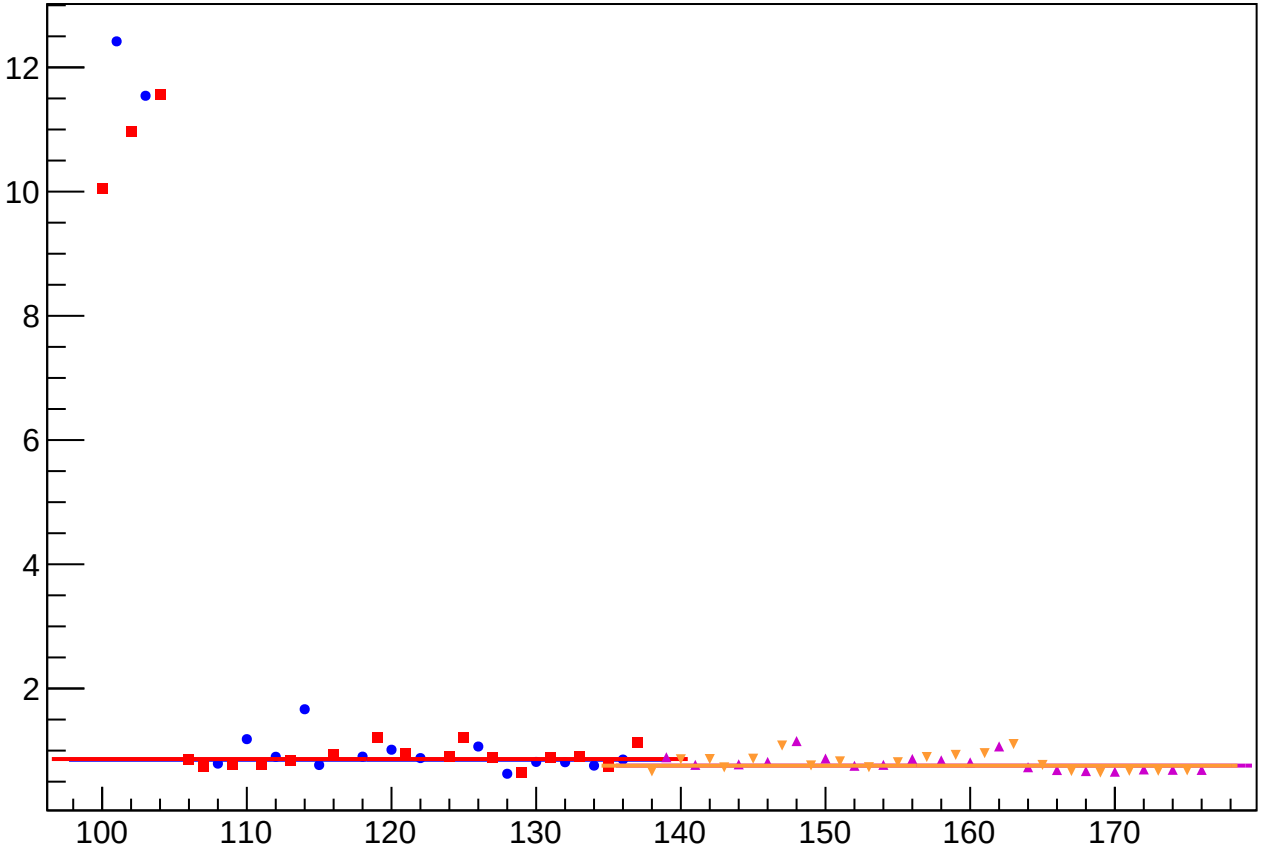
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 163.311+/-0.000 χ^2/NDF:17856138824.9/34

Out: 164.833+/-0.000 χ^2/NDF:19355041141.6/38

All: 164.076+/-0.000 χ^2/NDF: 37239684995.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.758+/-0.000 χ^2/NDF:522858.4/19

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.758+/-0.000 χ^2/NDF:420468.1/18

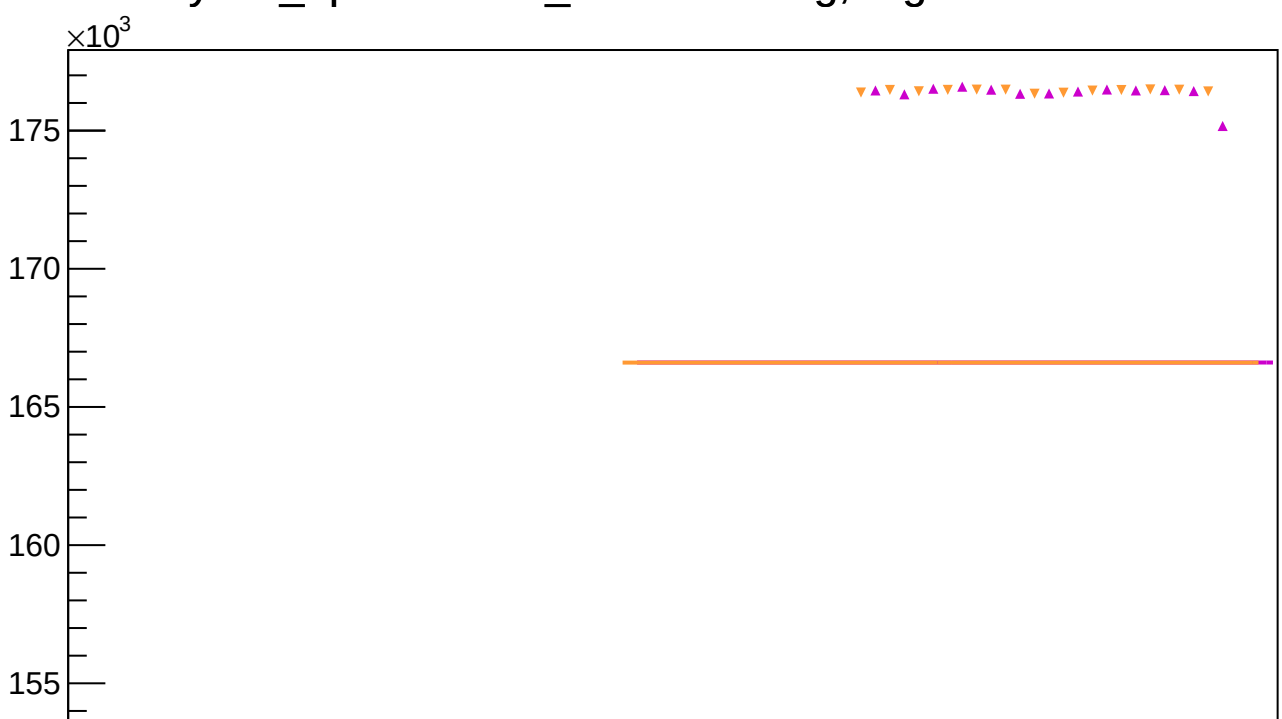
Left: 0.758+/-0.000 χ^2/NDF: 943341.1/38

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.779+/-0.000 χ^2/NDF:2796951.7/34

Out: 0.781+/-0.000 χ^2/NDF:2828928.7/38

All: 0.780+/-0.000 χ^2/NDF: 5625996.2/73



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

Left: 166606.704+/-0.035 χ^2/NDF: 110283846075.

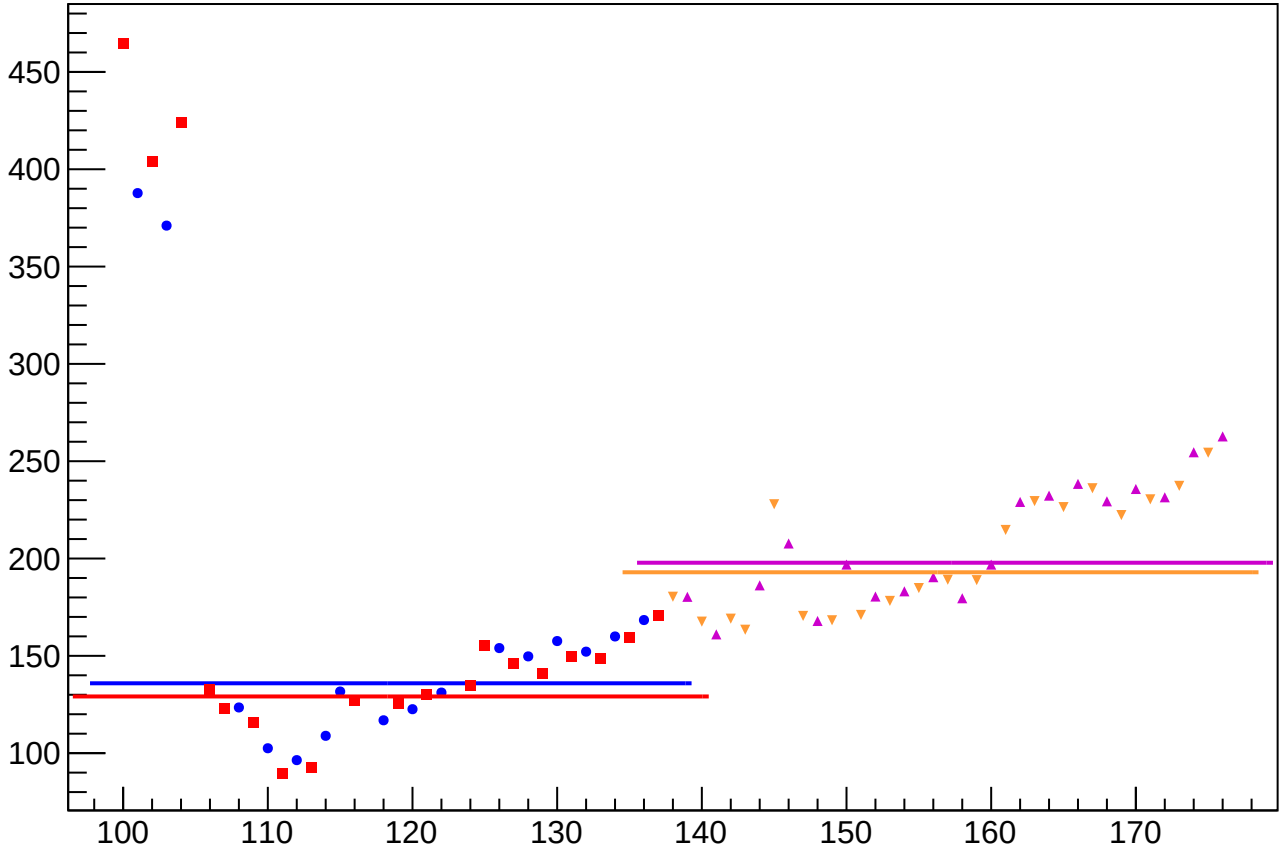
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159140.443+/-0.037 χ^2/NDF:99569343883.2/3

Out: 158865.465+/-0.035 χ^2/NDF:108506887261.

All: 158995.949+/-0.026 χ^2/NDF: 20810484

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

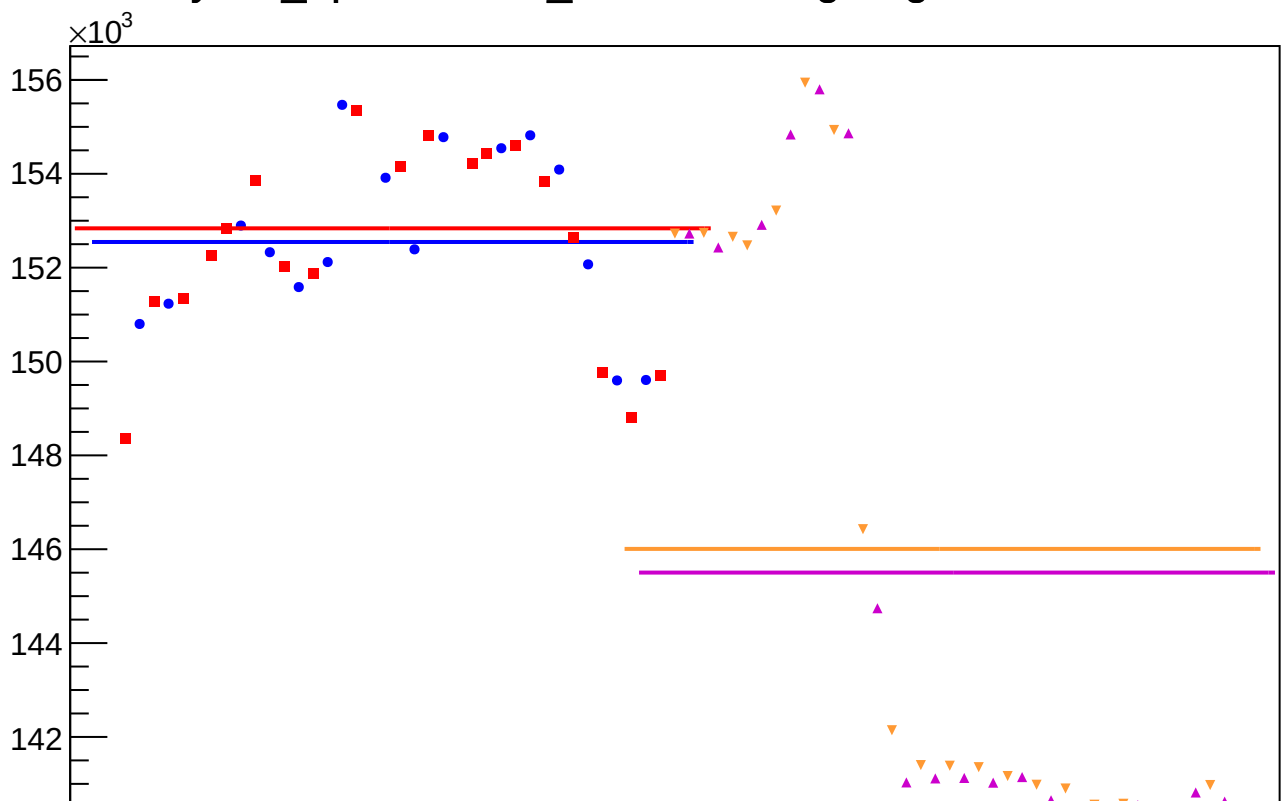
Left: 195.300+/-0.025 χ^2/NDF: 1211328.1/38

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 168.998+/-0.026 χ^2/NDF:3371302.7/34

Out: 162.155+/-0.025 χ^2/NDF:3857454.6/38

All: 165.402+/-0.018 χ^2/NDF: 7264200.5/73



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

Left: 145760.226+/-0.038 χ^2/NDF: 24513660348.0

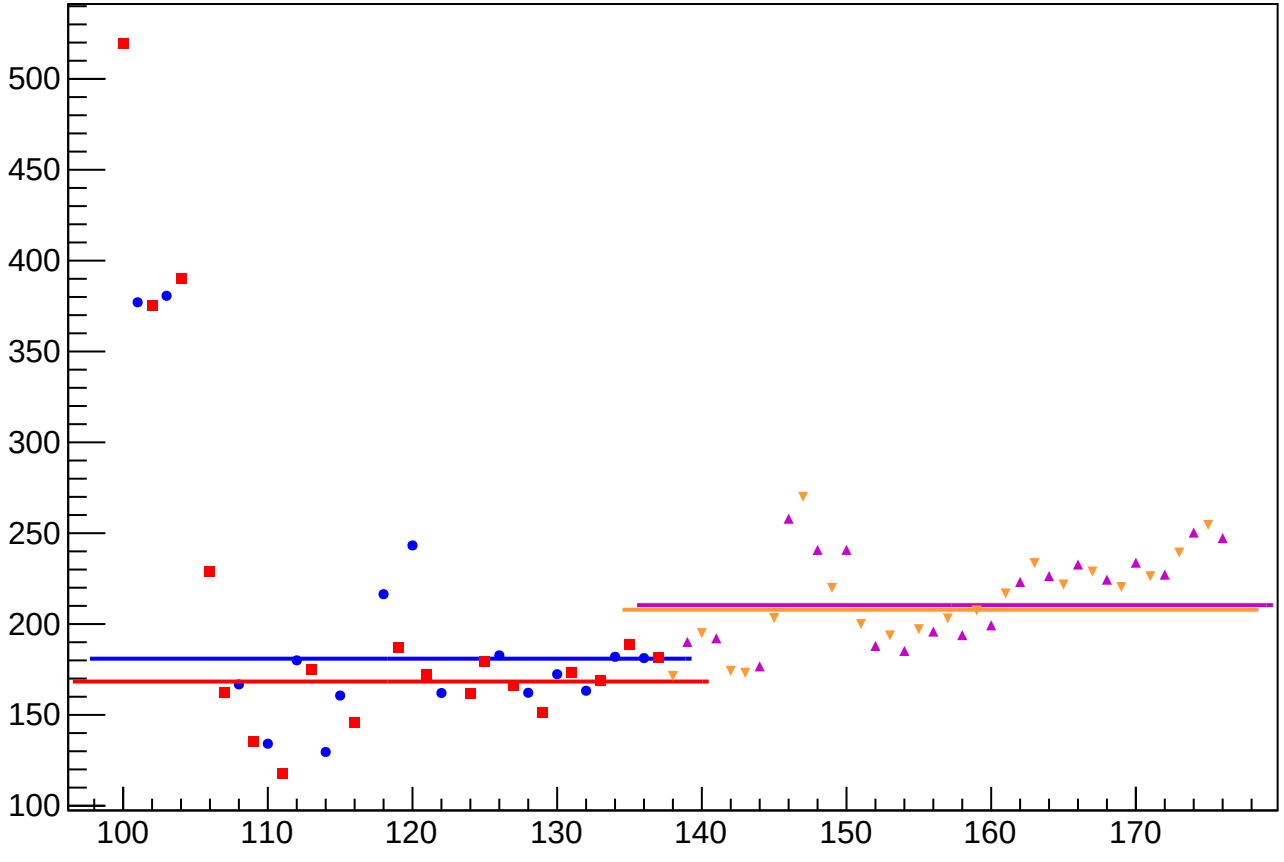
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148021.526+/-0.043 χ^2/NDF:18934518678.9/3

Out: 148652.530+/-0.041 χ^2/NDF:19406019723.3/

All: 148351.435+/-0.030 χ^2/NDF: 38450937

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

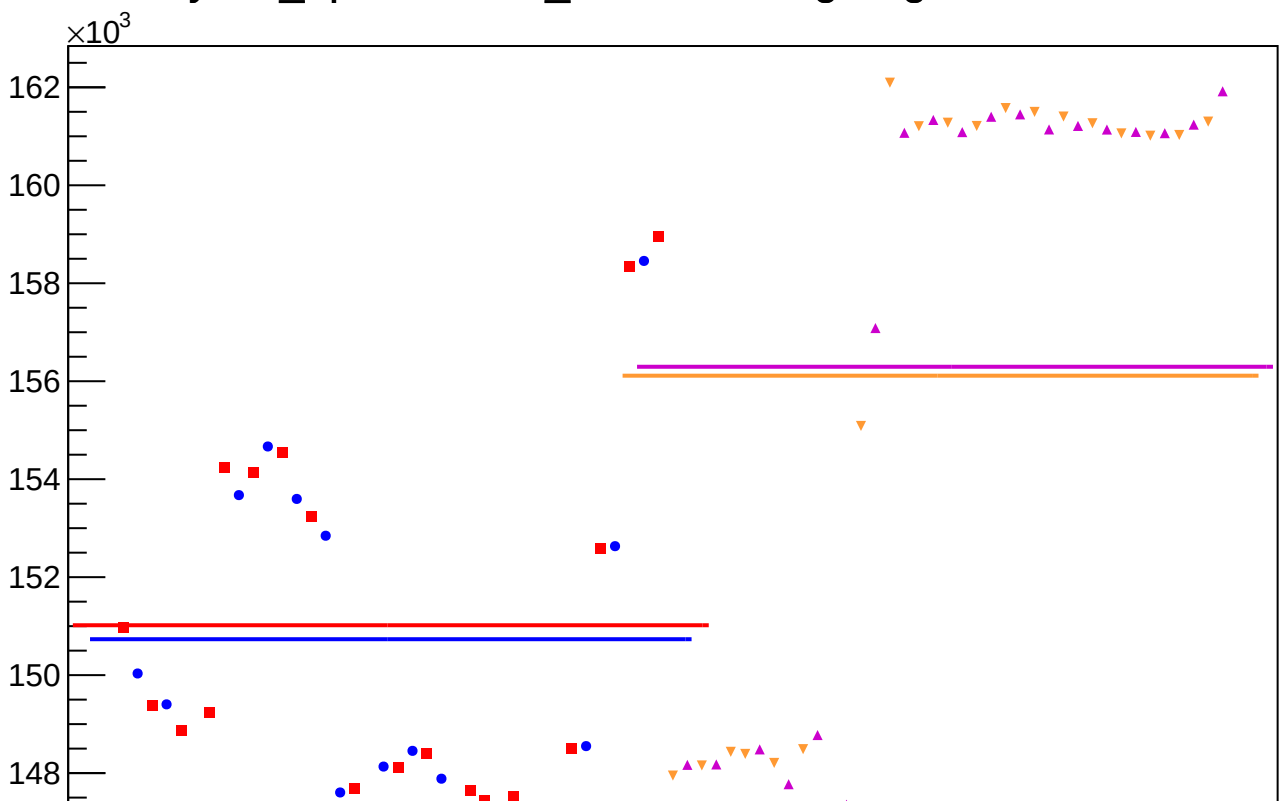
Left: 209.112+/-0.027 χ^2/NDF: 842975.8/38

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 199.863+/-0.031 χ^2/NDF:1539443.5/34

Out: 192.571+/-0.029 χ^2/NDF:1940610.3/38

All: 196.050+/-0.021 χ^2/NDF: 3509542.8/73



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156112.957+/-0.051 χ^2/NDF:14878058828.8/19

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156295.334+/-0.053 χ^2/NDF:13298524960.0/18

Left: 156200.842+/-0.037 χ^2/NDF: 28182656301.0

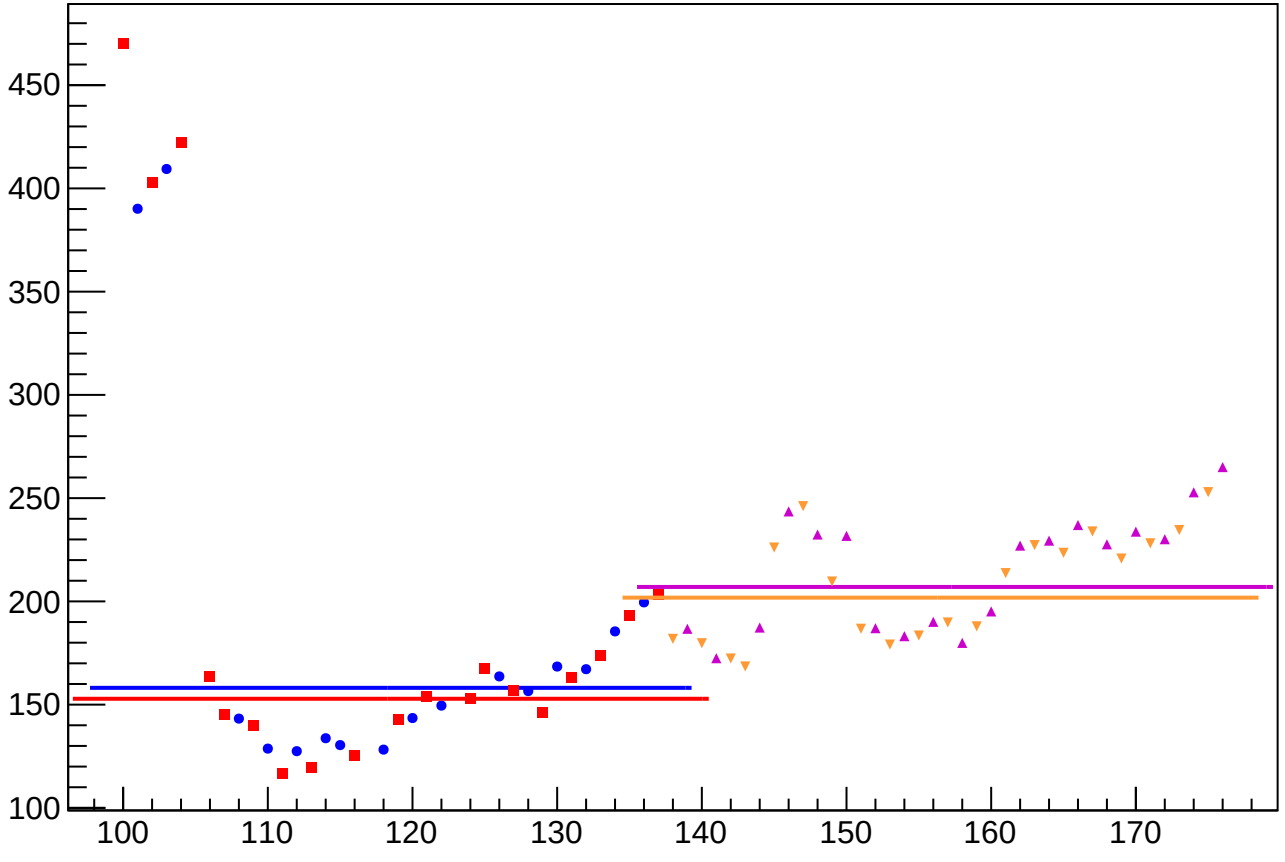
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153972.092+/-0.041 χ^2/NDF:21135747279.7/3

Out: 153960.161+/-0.039 χ^2/NDF:22319297937.6

All: 153965.885+/-0.028 χ^2/NDF: 43455090

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 201.814+/-0.036 χ^2/NDF:472996.3/19

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 206.993+/-0.038 χ^2/NDF:508255.4/18

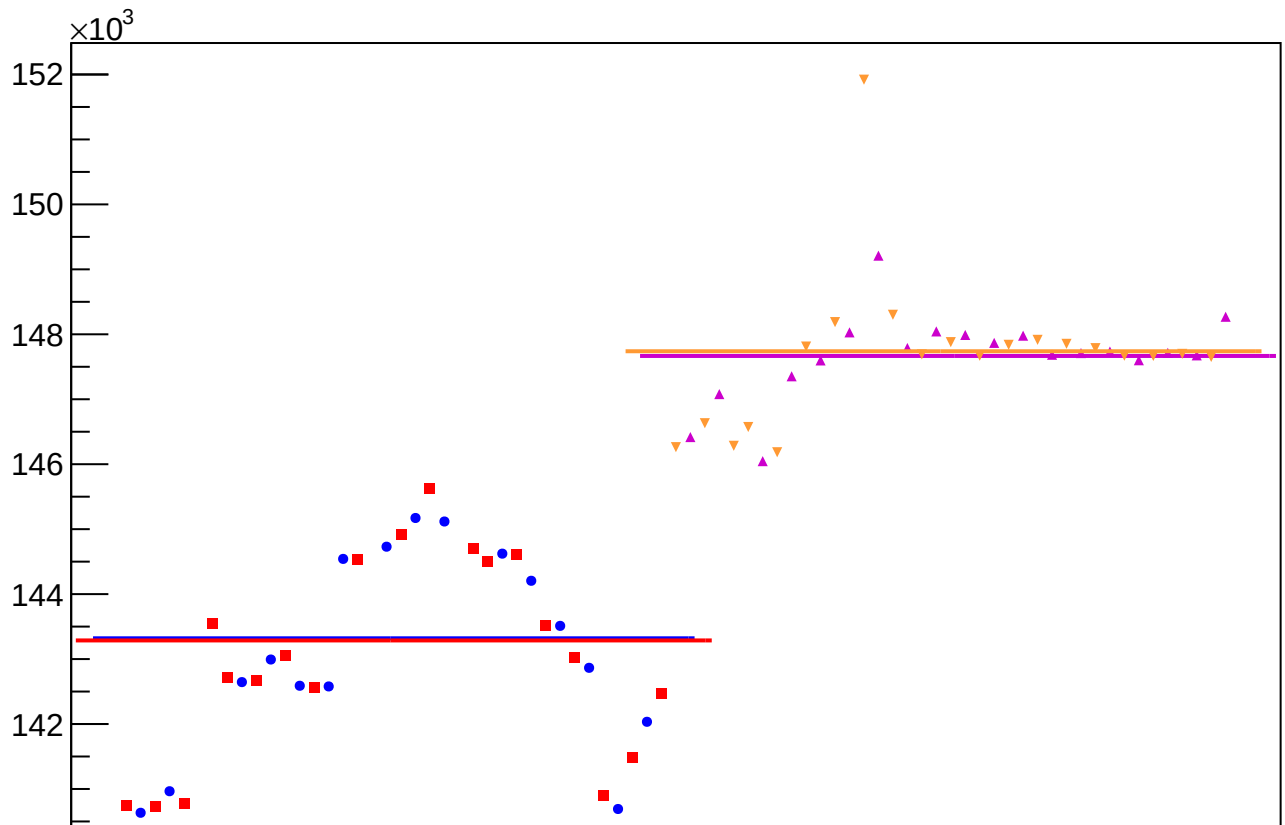
Left: 204.310+/-0.026 χ^2/NDF: 991044.4/38

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 186.586+/-0.029 χ^2/NDF:2406566.6/34

Out: 181.119+/-0.028 χ^2/NDF:2505178.1/38

All: 183.742+/-0.020 χ^2/NDF: 4930562.0/73



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147739.024+/-0.048 χ^2/NDF:670877894.3/19

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147666.607+/-0.049 χ^2/NDF:203968524.7/18

Left: 147704.022+/-0.034 χ^2/NDF: 875953279.3/38

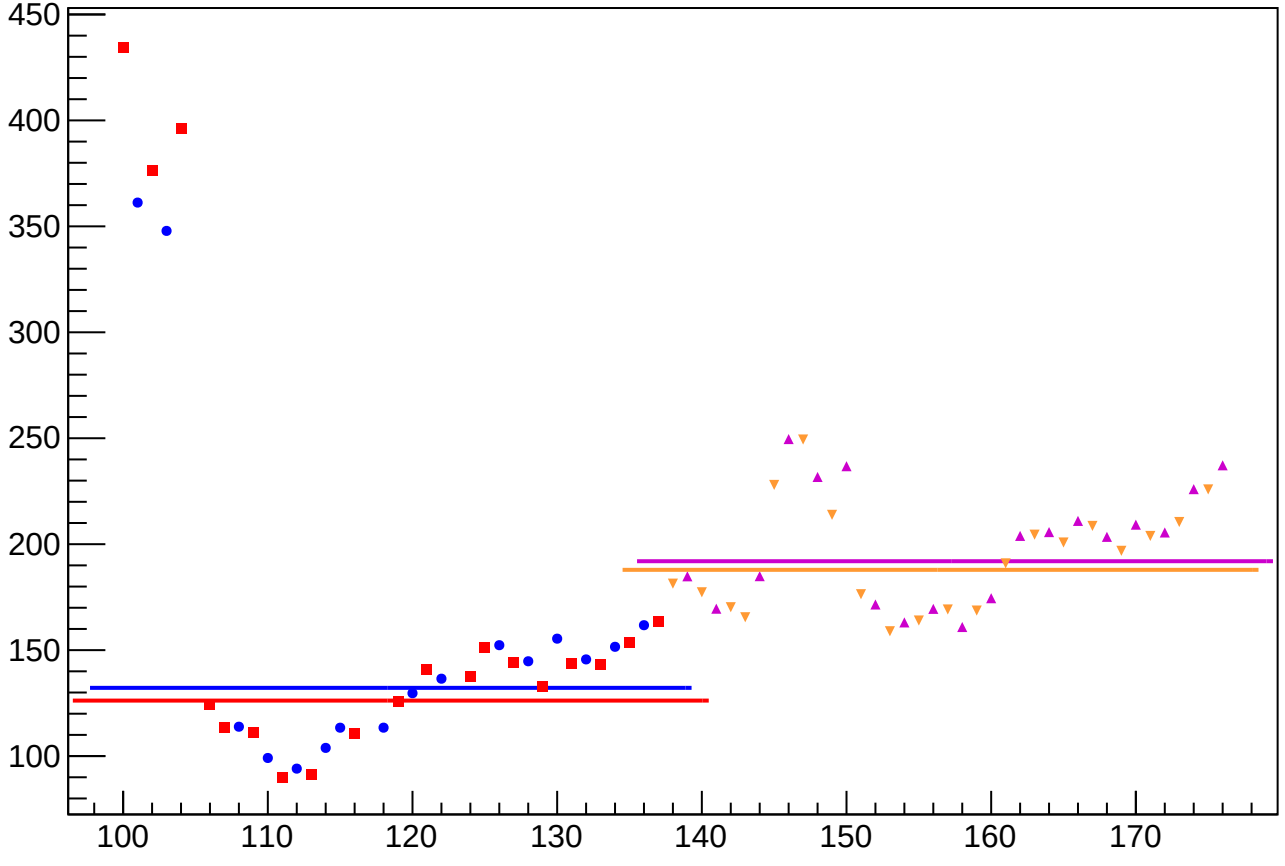
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145647.491+/-0.036 χ^2/NDF:4348789619.0/34

Out: 145597.502+/-0.034 χ^2/NDF:5454751302.5/3

All: 145621.273+/-0.025 χ^2/NDF: 980454072

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 187.897+/-0.034 χ^2/NDF:467551.4/19

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 191.965+/-0.035 χ^2/NDF:558172.2/18

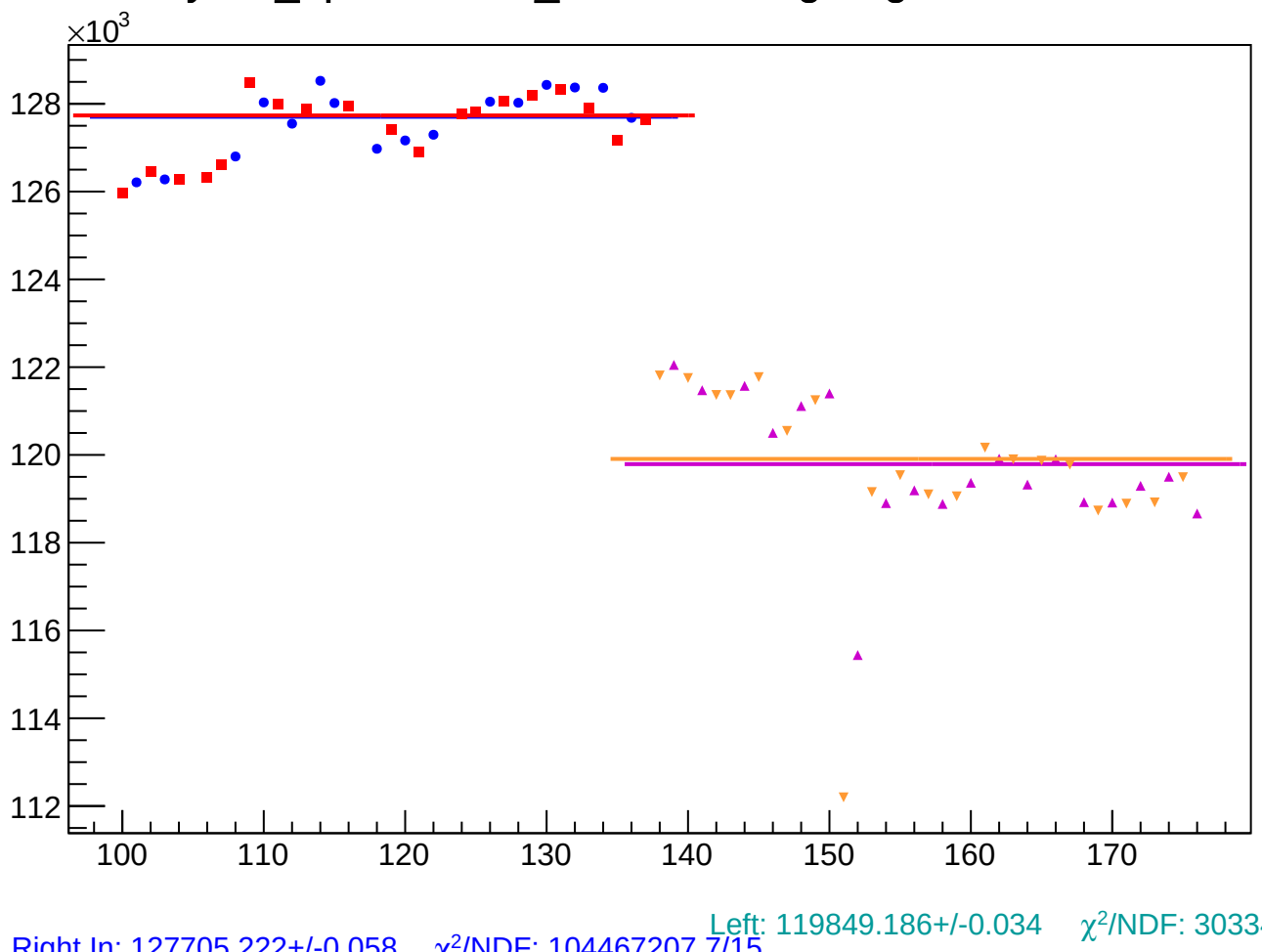
Left: 189.863+/-0.024 χ^2/NDF: 1032709.6/38

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

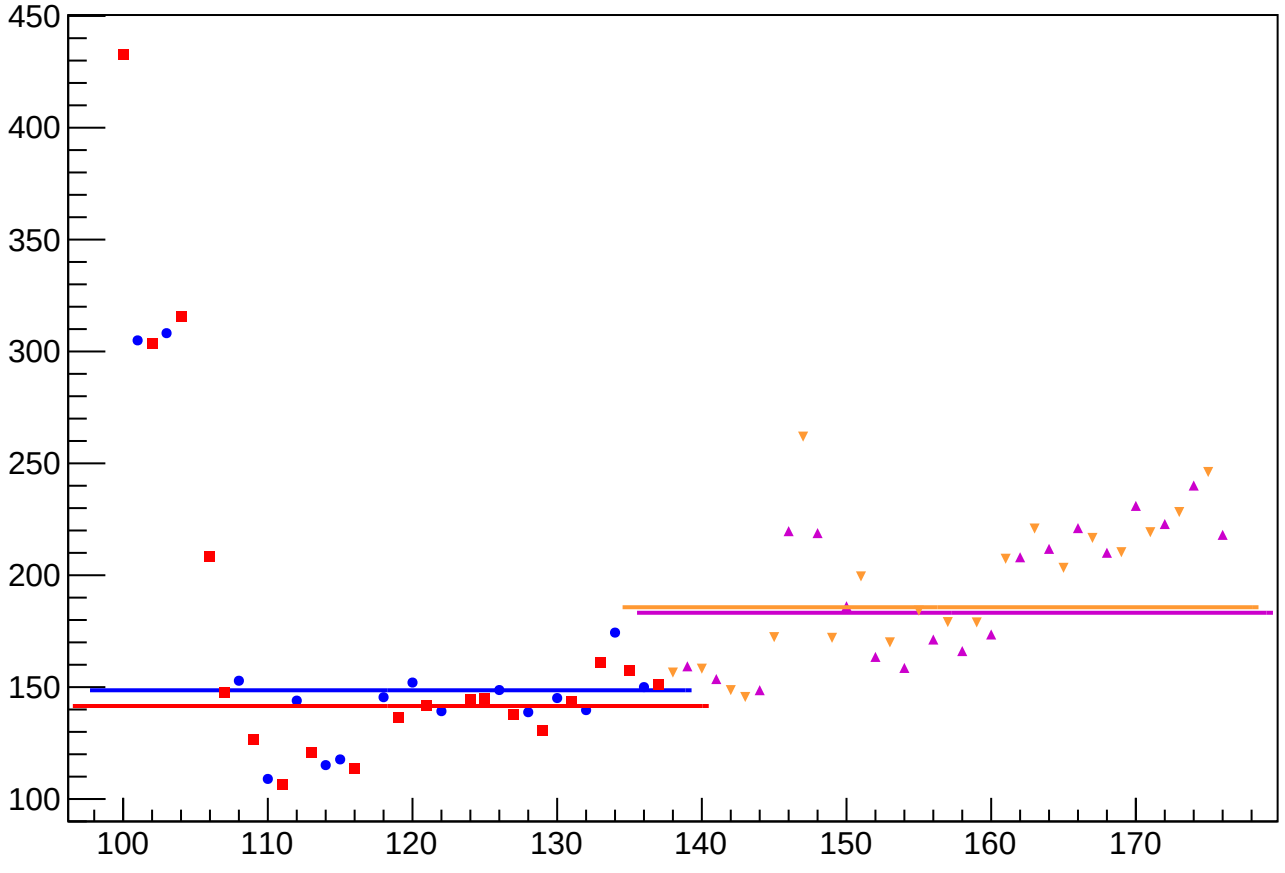
In: 164.207+/-0.026 χ^2/NDF:3292664.2/34

Out: 158.215+/-0.024 χ^2/NDF:3612142.6/38

All: 161.064+/-0.018 χ^2/NDF: 6933531.5/73


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119908.886+/-0.048 χ²/NDF:1823078109.1/19
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119790.071+/-0.048 χ²/NDF:1207226055.4/18
Left: 119849.186+/-0.034 χ²/NDF: 3033405642.6/3
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 122947.488+/-0.037 χ²/NDF:12347213240.2/3
Out: 123284.200+/-0.036 χ²/NDF:13481978746.1
All: 123119.680+/-0.026 χ²/NDF: 25871784

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 185.706+/-0.034 χ^2/NDF:769541.0/19

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 183.232+/-0.034 χ^2/NDF:737370.8/18

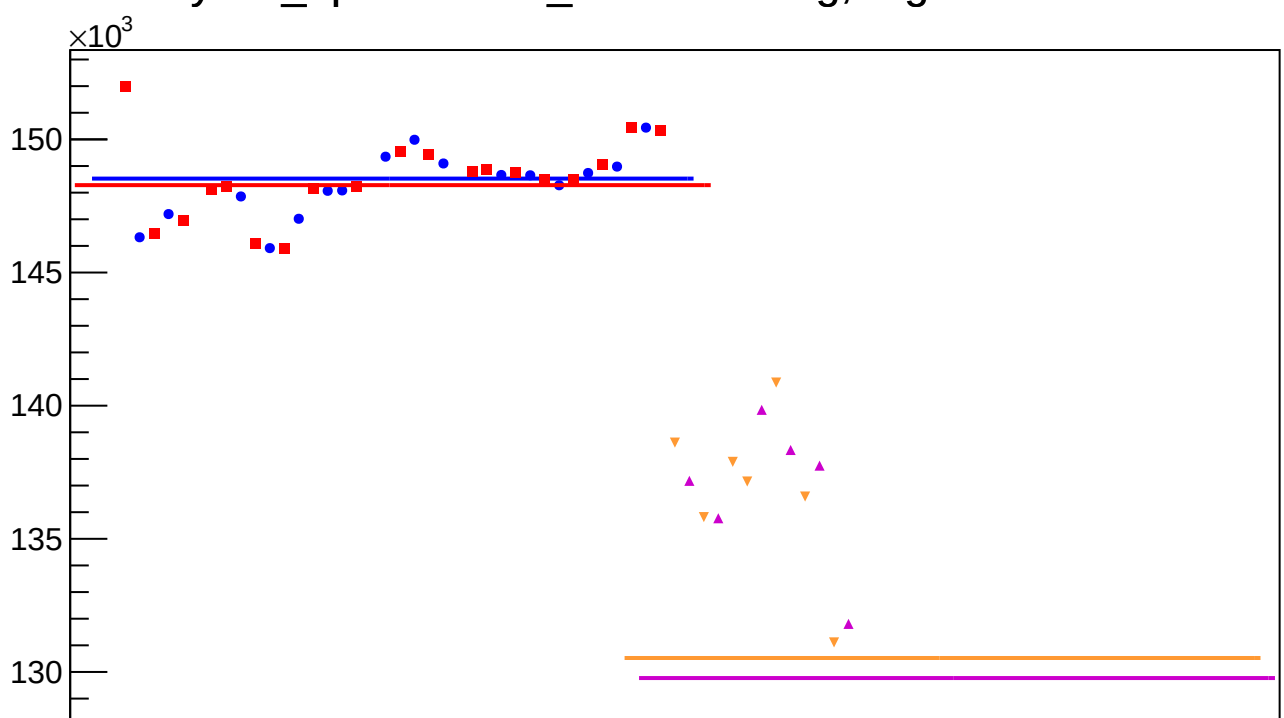
Left: 184.463+/-0.024 χ^2/NDF: 1509600.5/38

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 169.414+/-0.026 χ^2/NDF:1987775.8/34

Out: 166.666+/-0.026 χ^2/NDF:2505730.4/38

All: 168.009+/-0.018 χ^2/NDF: 4499179.6/73



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130524.393+/-0.069 χ^2/NDF:6016637118.0/19

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129771.329+/-0.069 χ^2/NDF:6260619017.9/18

Left: 130147.704+/-0.049 χ^2/NDF: 12336648594.6

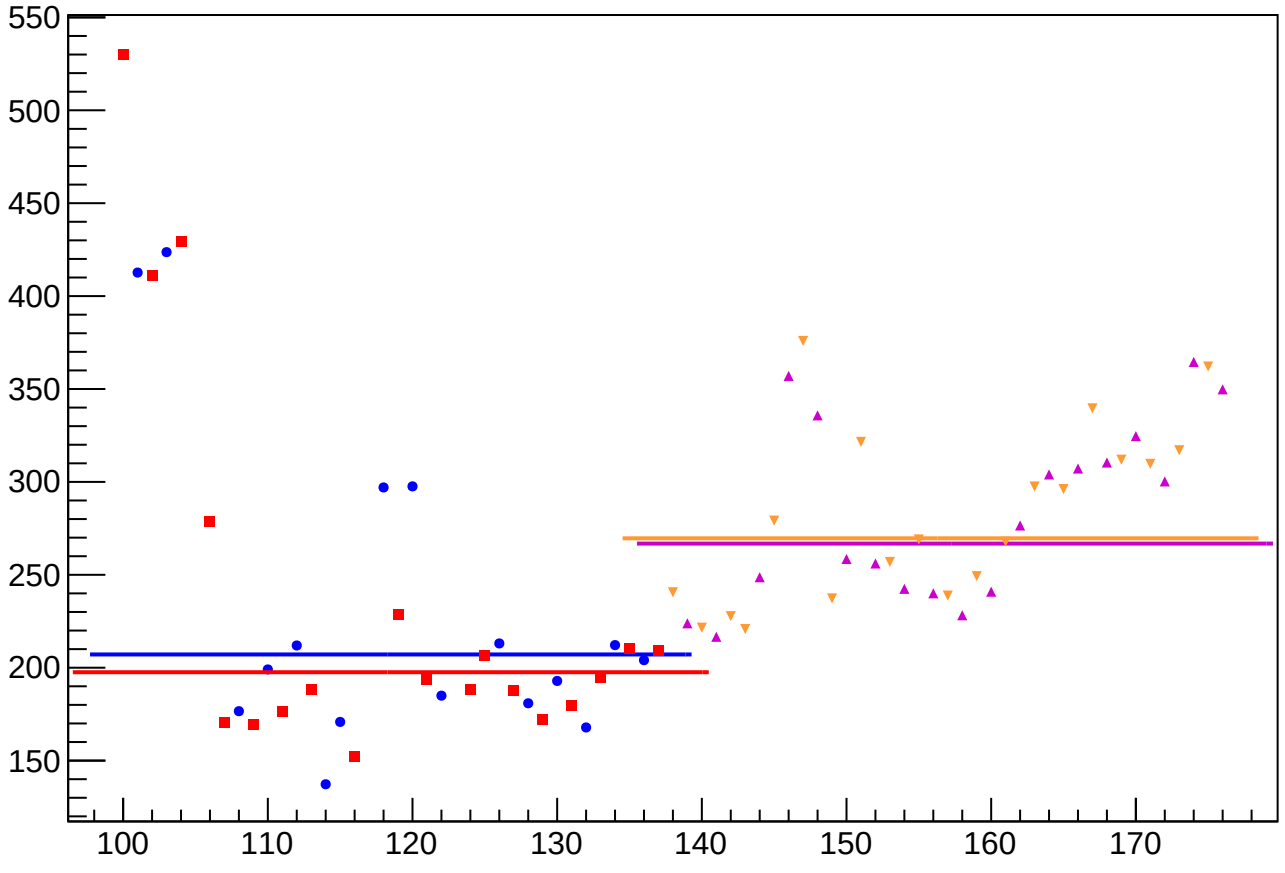
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137563.969+/-0.053 χ^2/NDF:37097346712.0/3

Out: 138492.219+/-0.051 χ^2/NDF:35935075069.7/

All: 138041.480+/-0.037 χ^2/NDF: 73191319

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 269.641+/-0.049 χ^2/NDF:746671.3/19

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 266.805+/-0.049 χ^2/NDF:795363.9/18

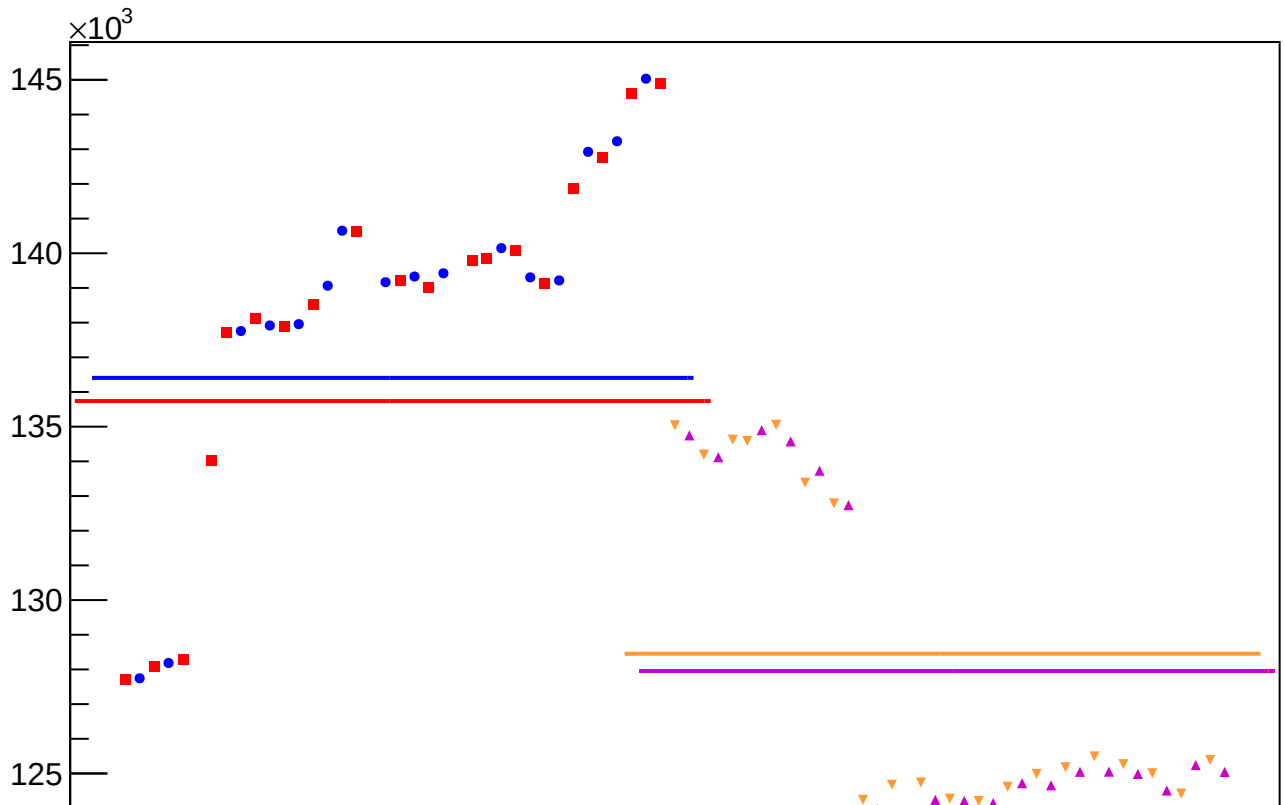
Left: 268.223+/-0.035 χ^2/NDF: 1543719.5/38

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 242.014+/-0.037 χ^2/NDF:2387542.0/34

Out: 237.303+/-0.036 χ^2/NDF:2626586.2/38

All: 239.591+/-0.026 χ^2/NDF: 5022313.7/73



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128452.780+/-0.150 χ^2/NDF:970592847.6/19

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 127954.454+/-0.156 χ^2/NDF:877314400.0/18

Left: 128213.802+/-0.108 χ^2/NDF: 1853185326.4/3

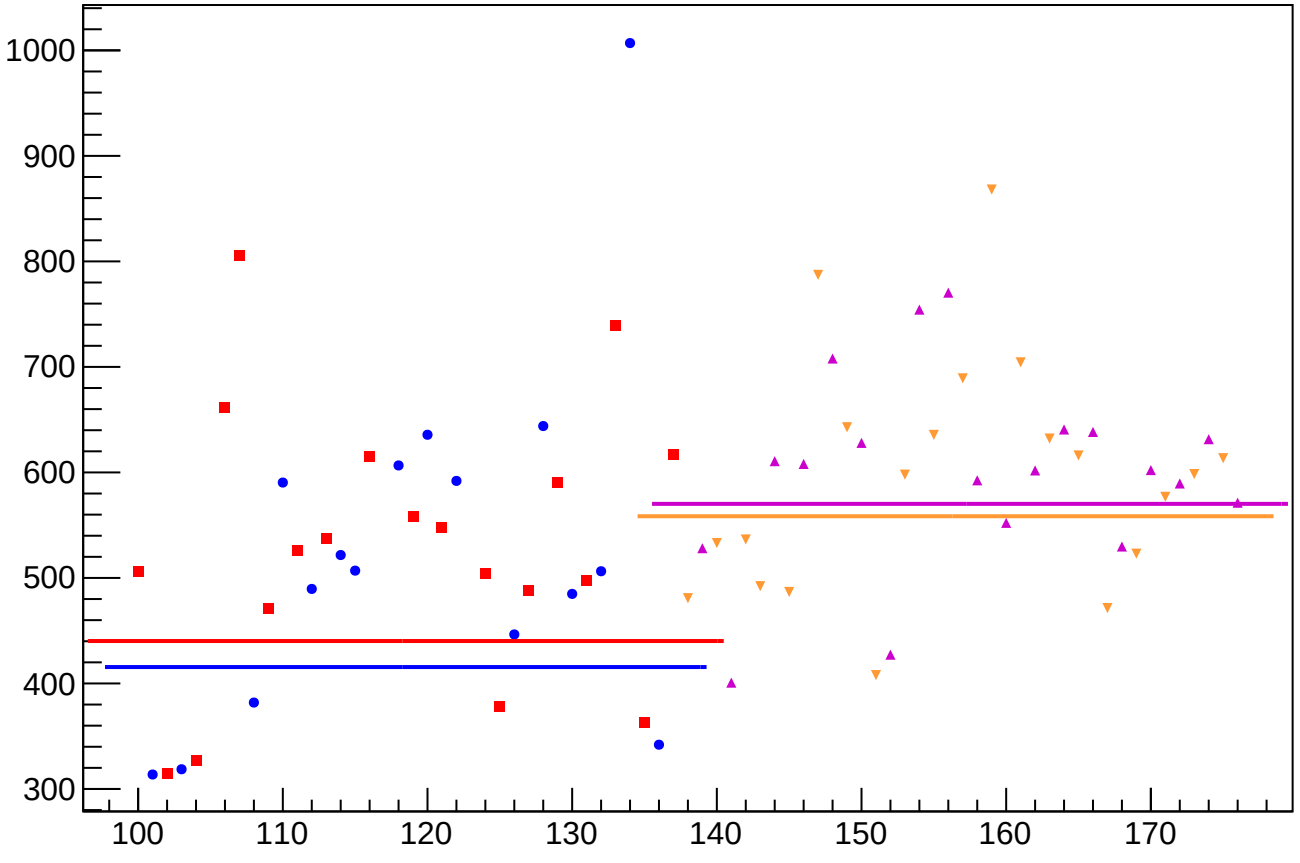
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 131866.607+/-0.115 χ^2/NDF:3804835370.3/34

Out: 131509.634+/-0.114 χ^2/NDF:3131787058.2/3

All: 131687.734+/-0.081 χ^2/NDF: 694147706

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 558.469+/-0.106 χ^2/NDF:877419.2/19

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.208+/-0.111 χ^2/NDF:744739.9/18

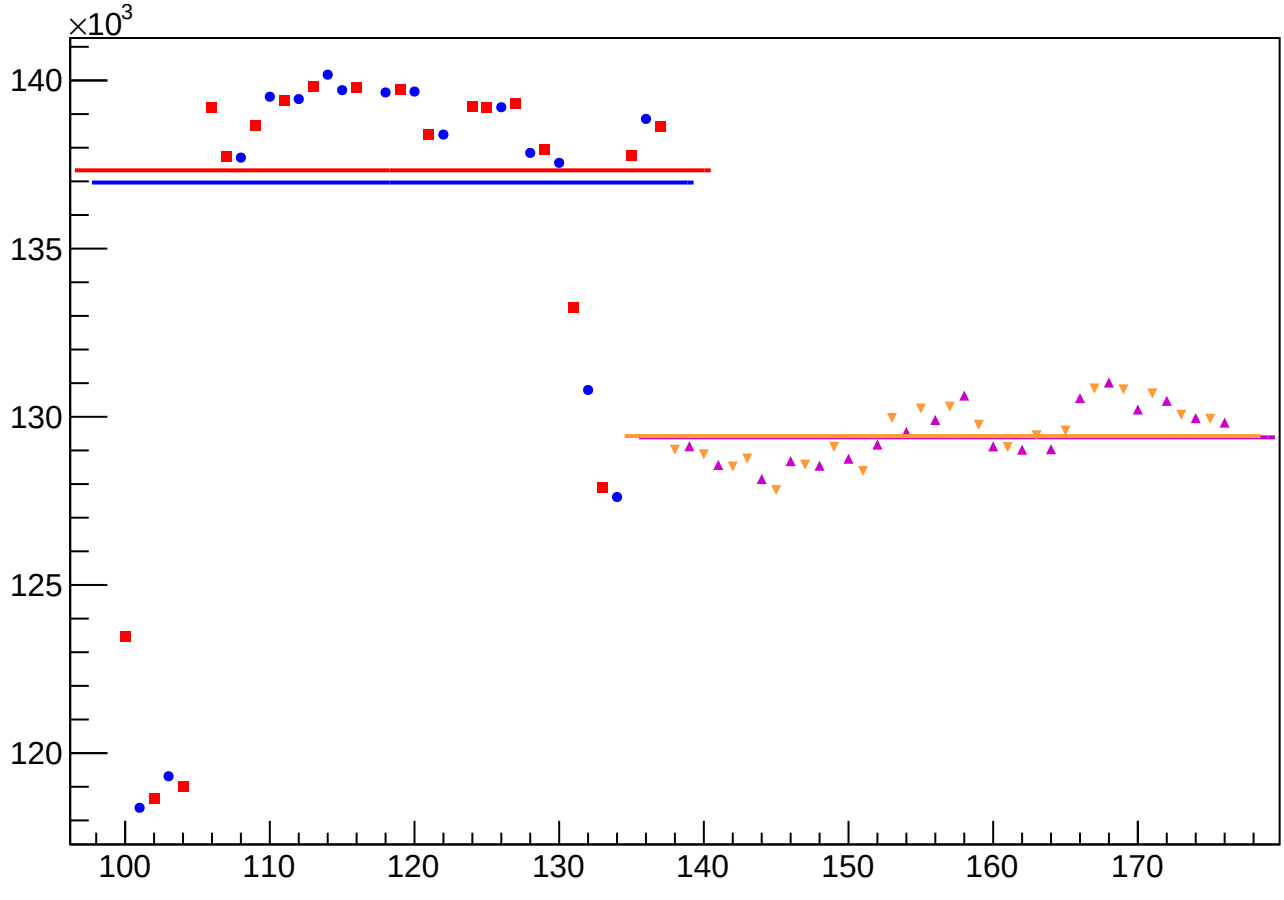
Left: 564.099+/-0.077 χ^2/NDF: 1628016.9/38

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 498.625+/-0.081 χ^2/NDF:2680617.9/34

Out: 508.854+/-0.081 χ^2/NDF:2308274.5/38

All: 503.750+/-0.057 χ^2/NDF: 4996865.2/73



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129427.013+/-0.050 χ^2/NDF:276699696.7/19

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129389.576+/-0.051 χ^2/NDF:251221059.8/18

Left: 129408.583+/-0.036 χ^2/NDF: 528192408.5/38

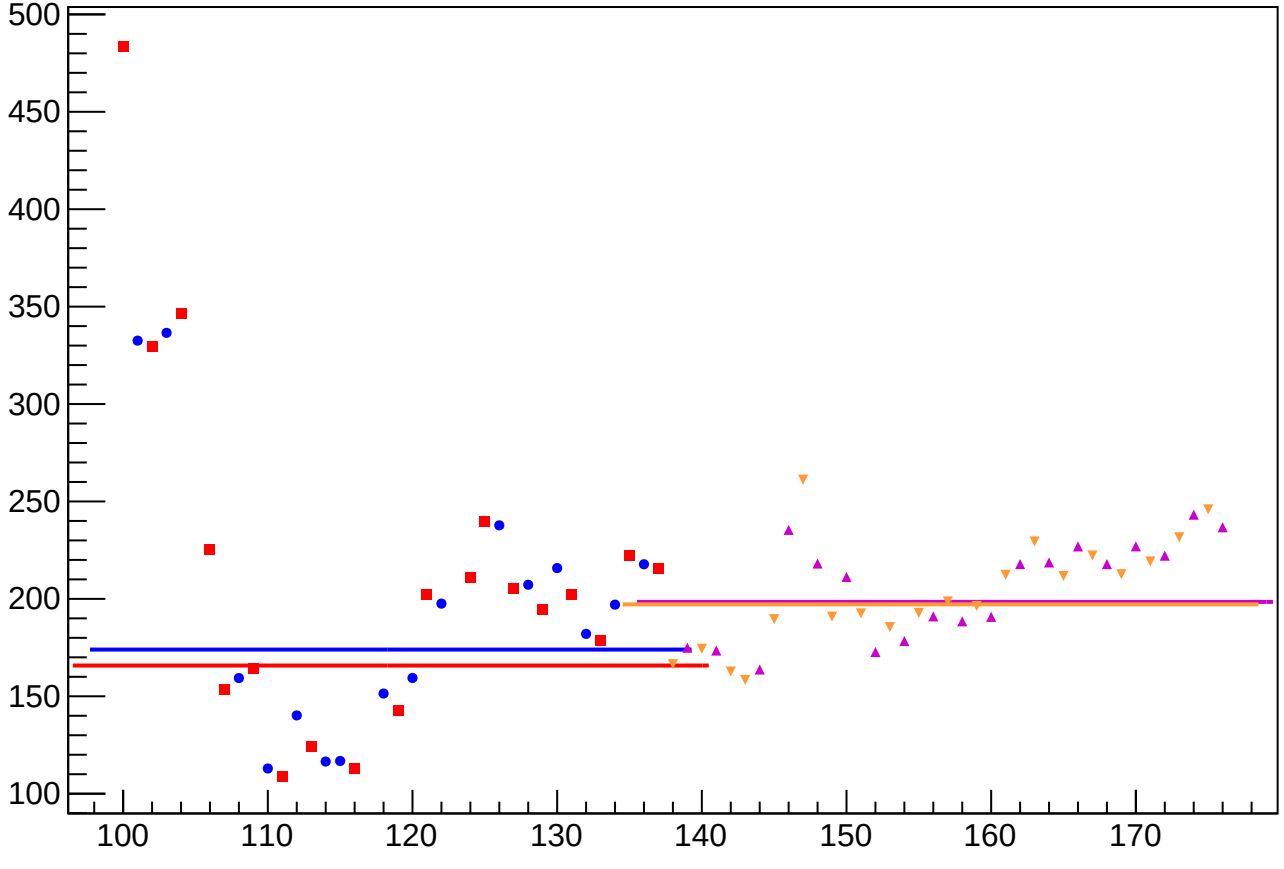
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132041.905+/-0.041 χ^2/NDF:13729654952.0/3

Out: 132357.671+/-0.040 χ^2/NDF:15130531330.7

All: 132204.791+/-0.029 χ^2/NDF: 28890401

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 197.175+/-0.036 χ^2/NDF:515317.2/19

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 198.451+/-0.036 χ^2/NDF:467154.1/18

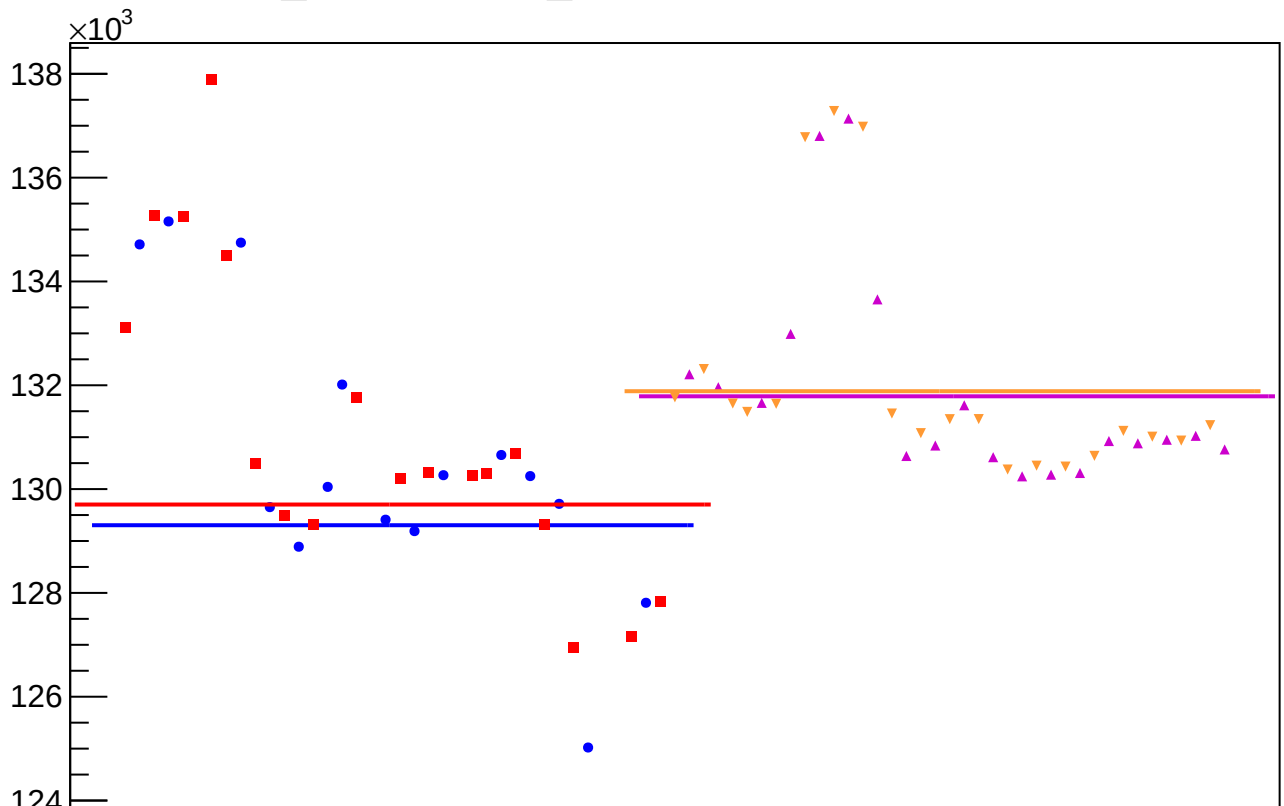
Left: 197.803+/-0.025 χ^2/NDF: 983102.7/38

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 189.884+/-0.029 χ^2/NDF:1815715.1/34

Out: 185.529+/-0.028 χ^2/NDF:2236381.7/38

All: 187.638+/-0.020 χ^2/NDF: 4063589.4/73



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131885.685+/-0.050 χ^2/NDF:1349418976.8/19

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131787.528+/-0.051 χ^2/NDF:1104003703.8/18

Left: 131837.222+/-0.036 χ^2/NDF: 2455297184.9/3

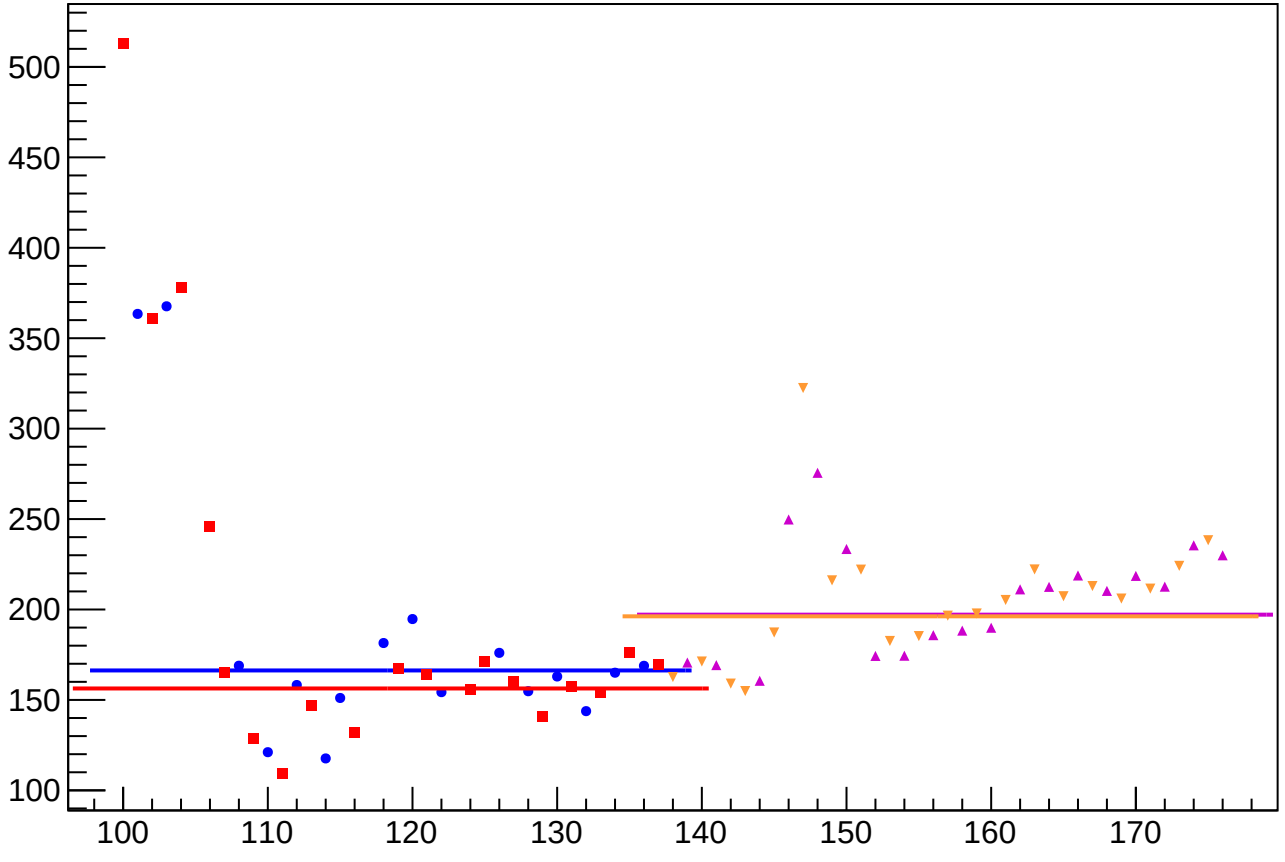
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130862.244+/-0.040 χ^2/NDF:3637366644.4/34

Out: 131009.813+/-0.039 χ^2/NDF:3880640779.7/3

All: 130938.678+/-0.028 χ^2/NDF: 75249156

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 196.228+/-0.036 χ^2/NDF:688064.6/19

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 197.145+/-0.036 χ^2/NDF:625937.3/18

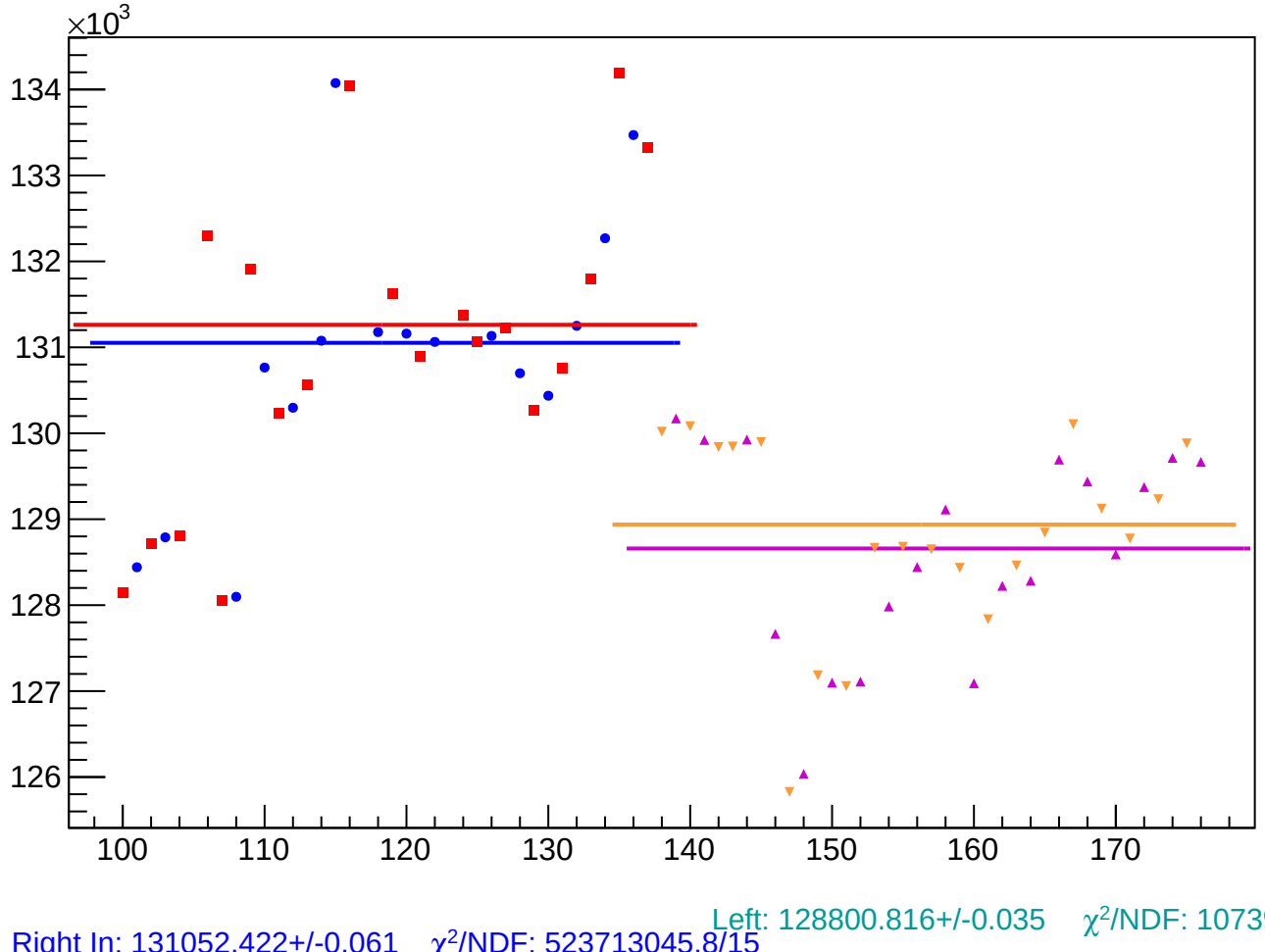
Left: 196.680+/-0.025 χ^2/NDF: 1314328.9/38

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

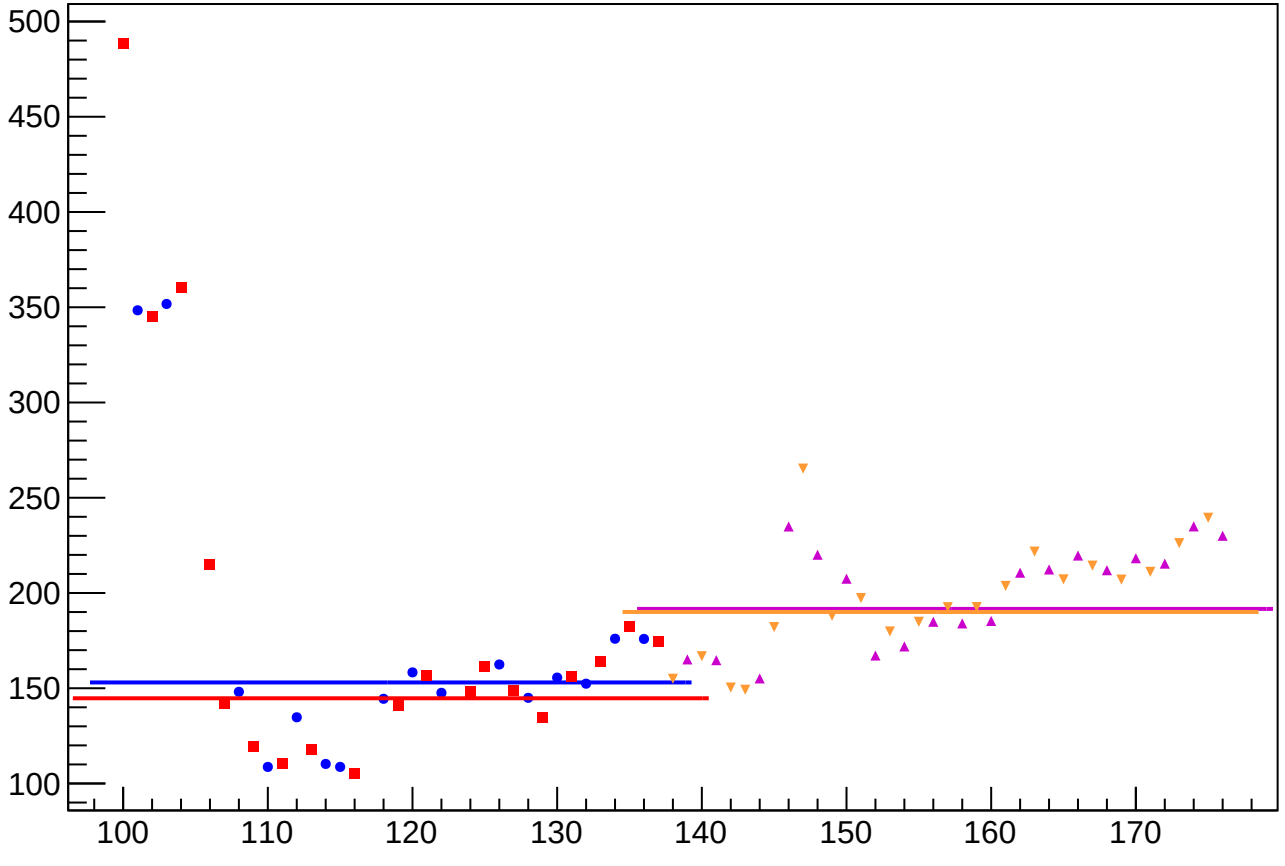
In: 185.654+/-0.029 χ^2/NDF:1836259.9/34

Out: 180.222+/-0.028 χ^2/NDF:2364127.8/38

All: 182.841+/-0.020 χ^2/NDF: 4219107.9/73


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
170
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128937.736+/-0.049 χ²/NDF:478697055.6/19
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128659.303+/-0.049 χ²/NDF:579124501.4/18
Left: 128800.816+/-0.035 χ²/NDF: 1073916464.2/3
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129615.753+/-0.038 χ²/NDF:2037806816.7/34
Out: 129924.547+/-0.037 χ²/NDF:2051400162.9/3
All: 129775.960+/-0.027 χ²/NDF: 41228681

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 190.046+/-0.034 χ^2/NDF:639499.1/19

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 191.647+/-0.035 χ^2/NDF:545848.7/18

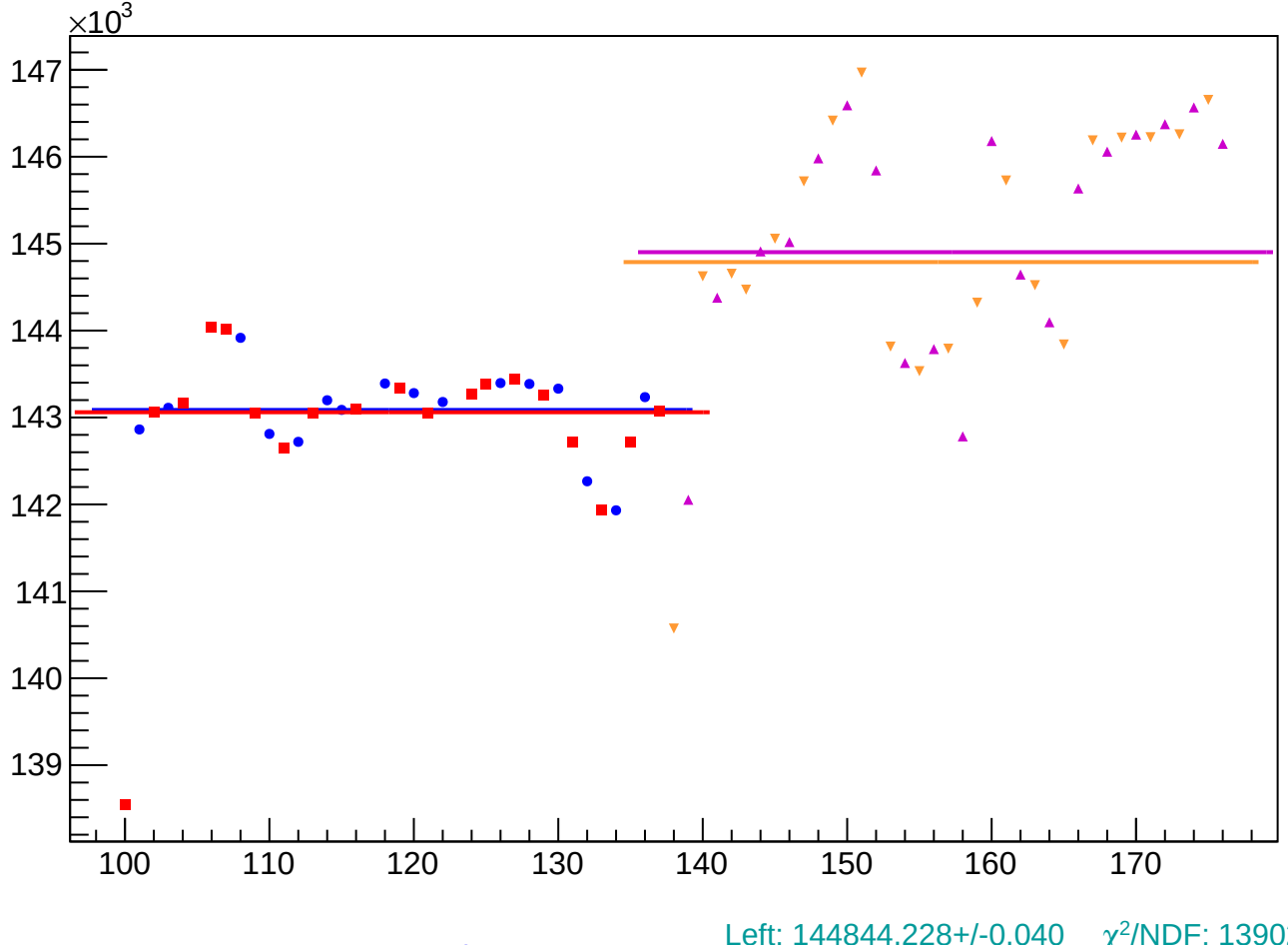
Left: 190.833+/-0.025 χ^2/NDF: 1186412.5/38

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

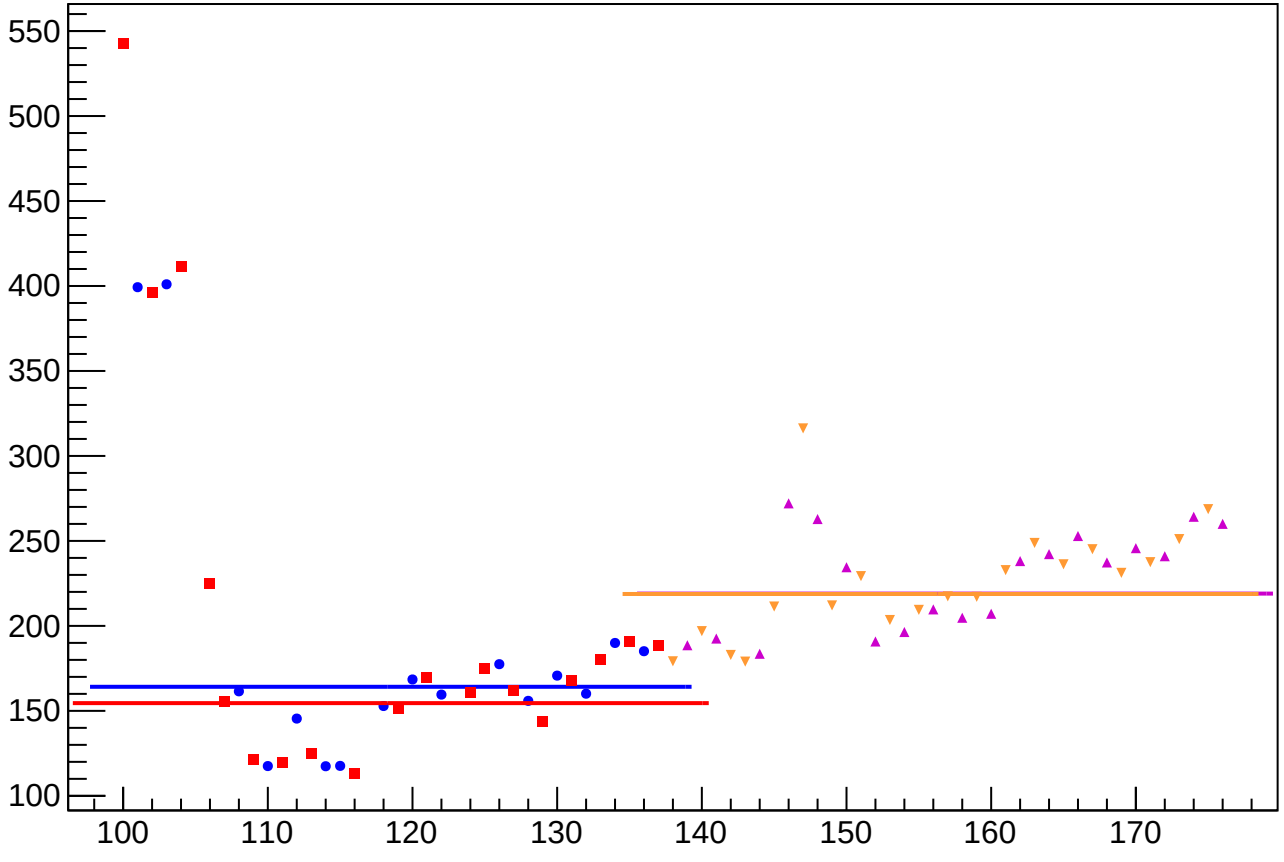
In: 176.218+/-0.027 χ^2/NDF:2091916.9/34

Out: 170.808+/-0.026 χ^2/NDF:2638997.2/38

All: 173.411+/-0.019 χ^2/NDF: 4751577.0/73


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
170
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144787.764+/-0.056 χ²/NDF:792494575.3/19
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144901.783+/-0.057 χ²/NDF:595671203.8/18
Left: 144844.228+/-0.040 χ²/NDF: 1390218768.8/3
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 144121.055+/-0.043 χ²/NDF:1085775370.0/34
Out: 143992.854+/-0.041 χ²/NDF:1282102590.1/3
All: 144054.605+/-0.030 χ²/NDF: 23725542

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 218.776+/-0.040 χ^2/NDF:530863.5/19

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 218.999+/-0.040 χ^2/NDF:502853.2/18

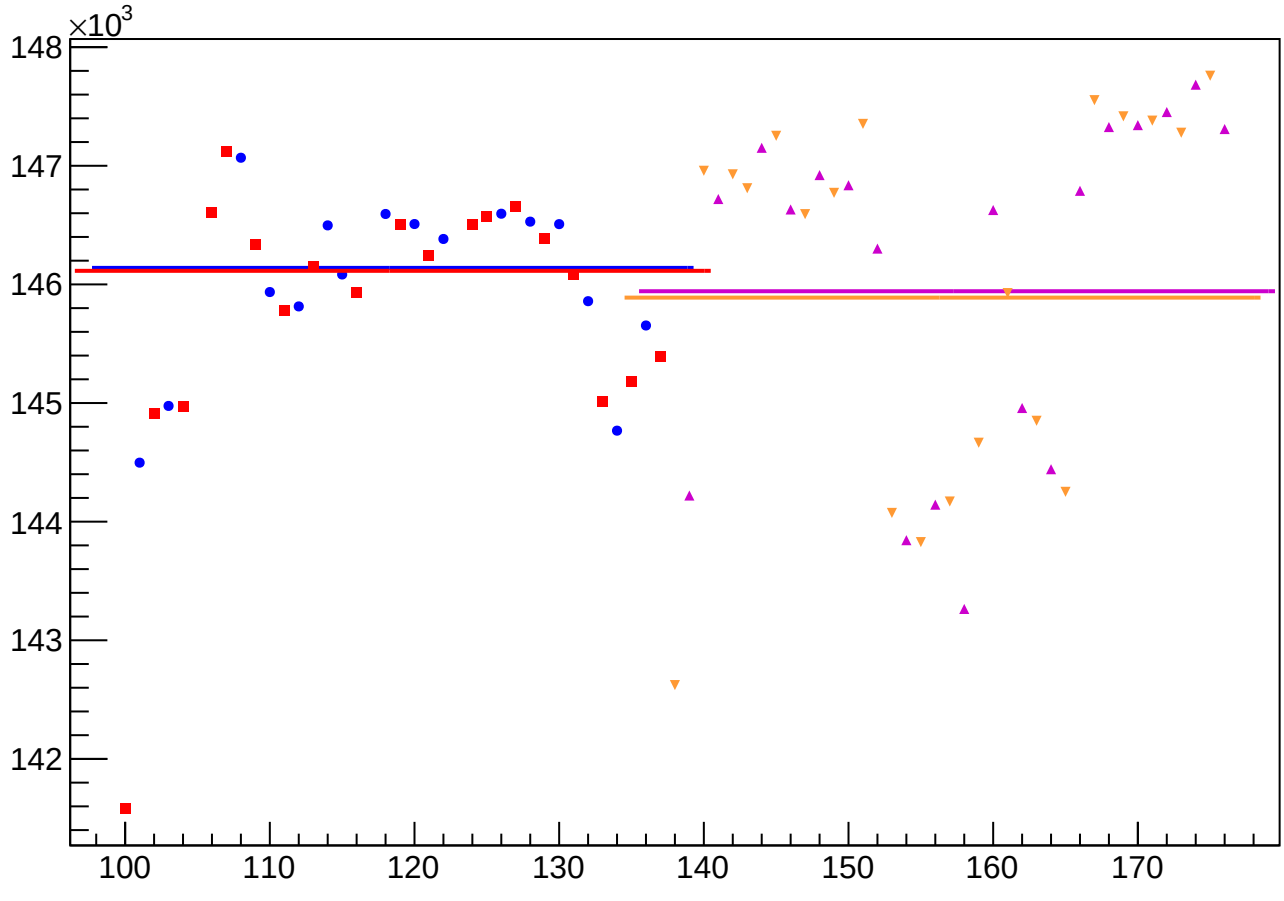
Left: 218.887+/-0.028 χ^2/NDF: 1033732.4/38

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 195.417+/-0.030 χ^2/NDF:2441681.0/34

Out: 189.226+/-0.029 χ^2/NDF:3107951.1/38

All: 192.208+/-0.021 χ^2/NDF: 5571441.8/73



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145888.687+/-0.056 χ^2/NDF:822997346.7/19

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145942.483+/-0.057 χ^2/NDF:656085020.5/18

Left: 145915.196+/-0.040 χ^2/NDF: 1479541773.1/3

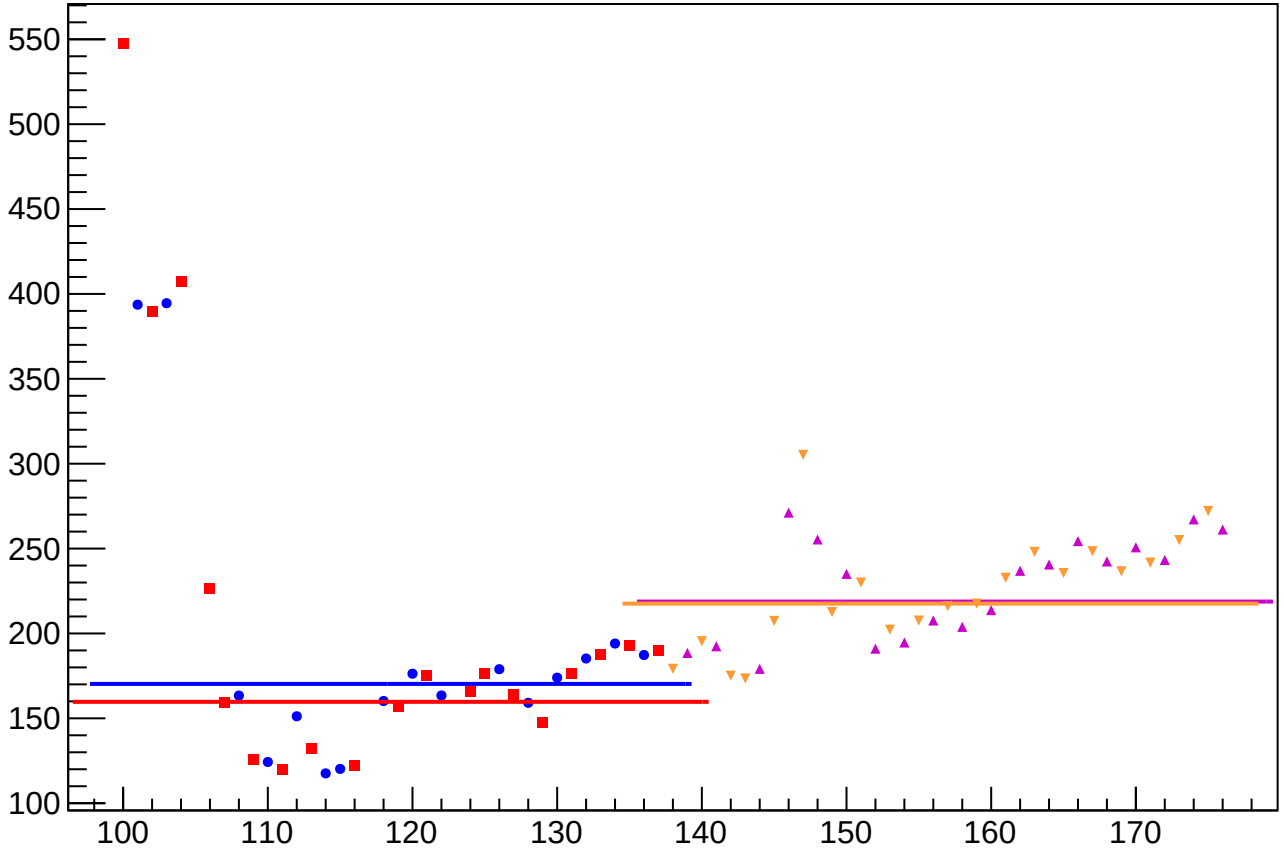
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146023.741+/-0.043 χ^2/NDF:732810435.3/34

Out: 145988.692+/-0.042 χ^2/NDF:903373065.0/38

All: 146005.504+/-0.030 χ^2/NDF: 16365242

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 217.579+/-0.039 χ^2/NDF:589647.9/19

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 218.785+/-0.040 χ^2/NDF:534589.8/18

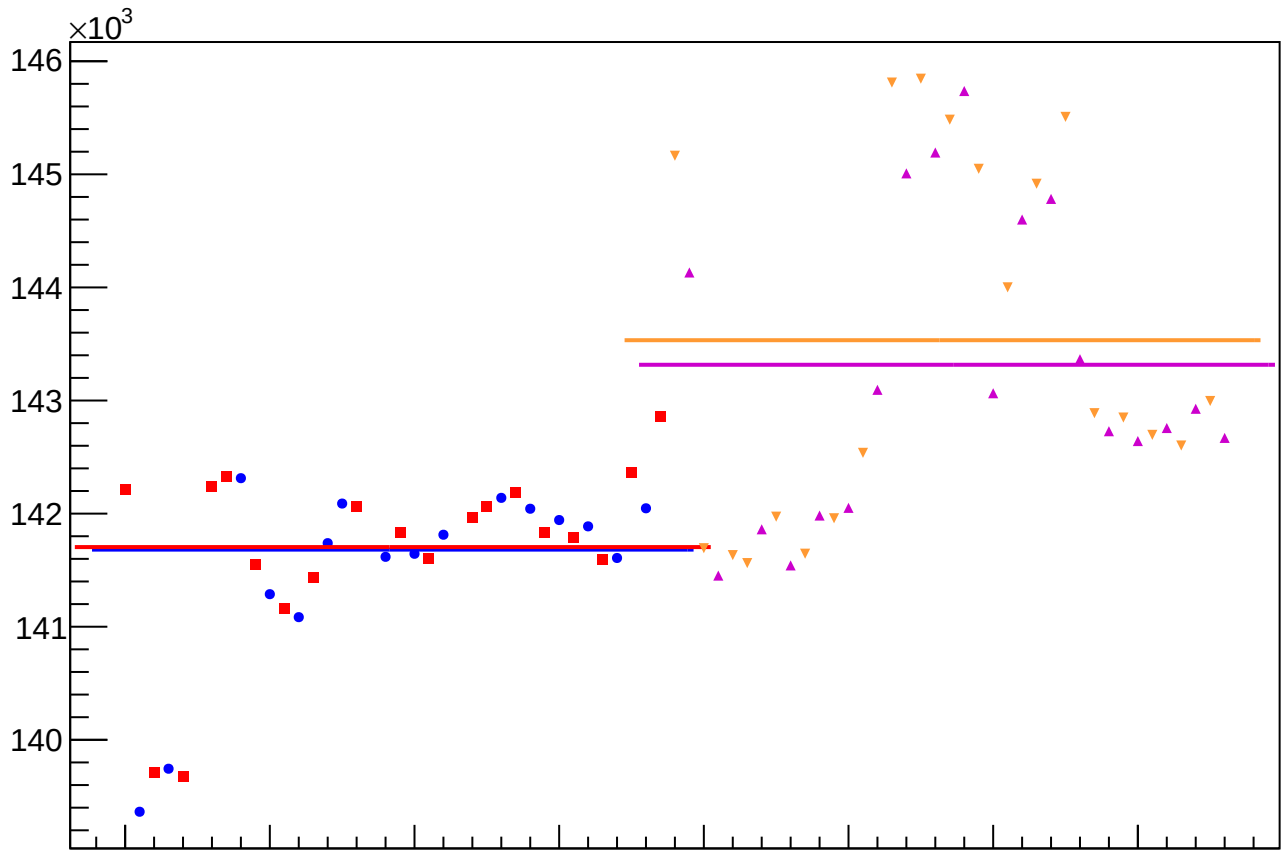
Left: 218.173+/-0.028 χ^2/NDF: 1124699.6/38

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 198.752+/-0.031 χ^2/NDF:2200434.0/34

Out: 191.952+/-0.029 χ^2/NDF:2836203.4/38

All: 195.214+/-0.021 χ^2/NDF: 5062294.1/73



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143533.254+/-0.058 χ^2/NDF:738823540.7/19

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143316.112+/-0.058 χ^2/NDF:514230288.7/18

Left: 143425.096+/-0.041 χ^2/NDF: 1260045827.0/3

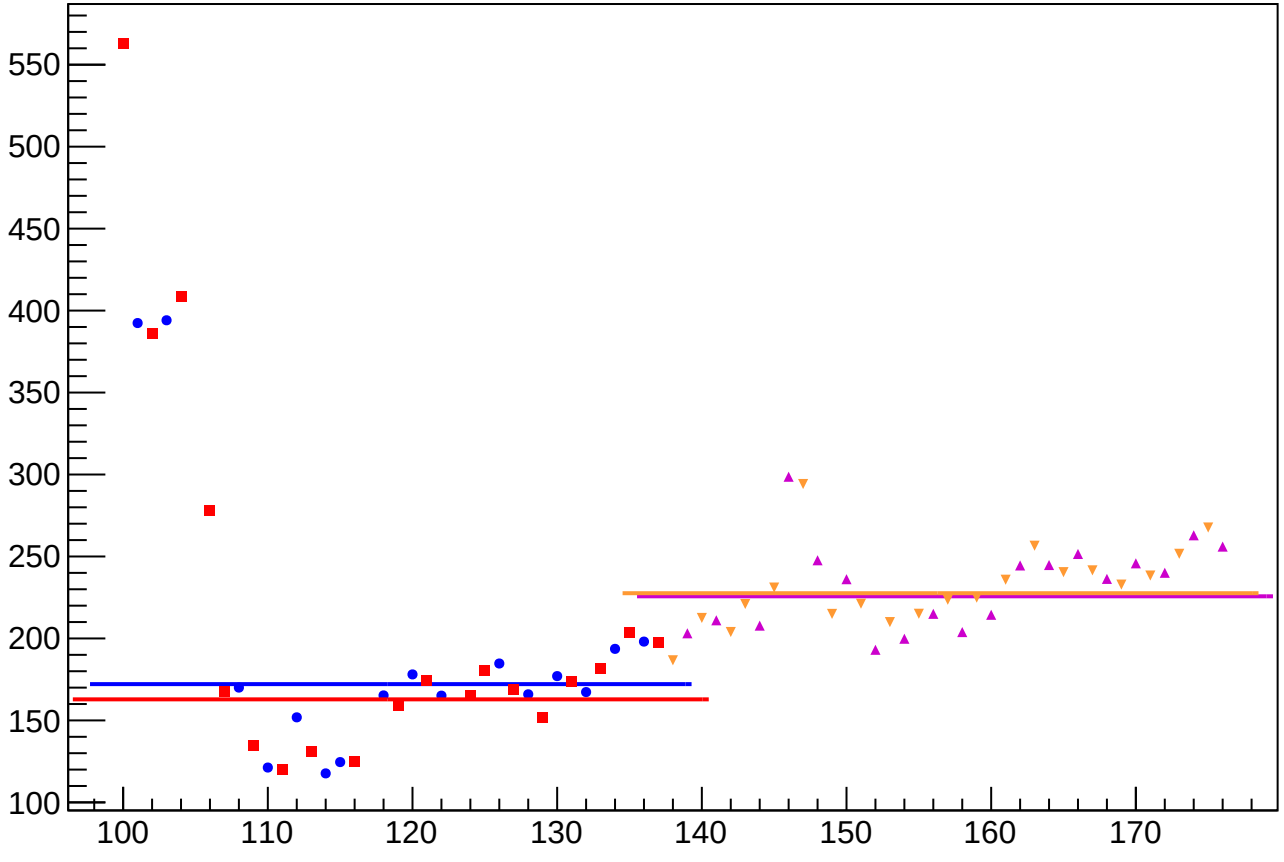
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142628.599+/-0.044 χ^2/NDF:910495374.2/34

Out: 142706.213+/-0.043 χ^2/NDF:1254706077.6/3

All: 142668.637+/-0.031 χ^2/NDF: 21667863

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 227.595+/-0.041 χ^2/NDF:291222.5/19

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 225.707+/-0.041 χ^2/NDF:367276.0/18

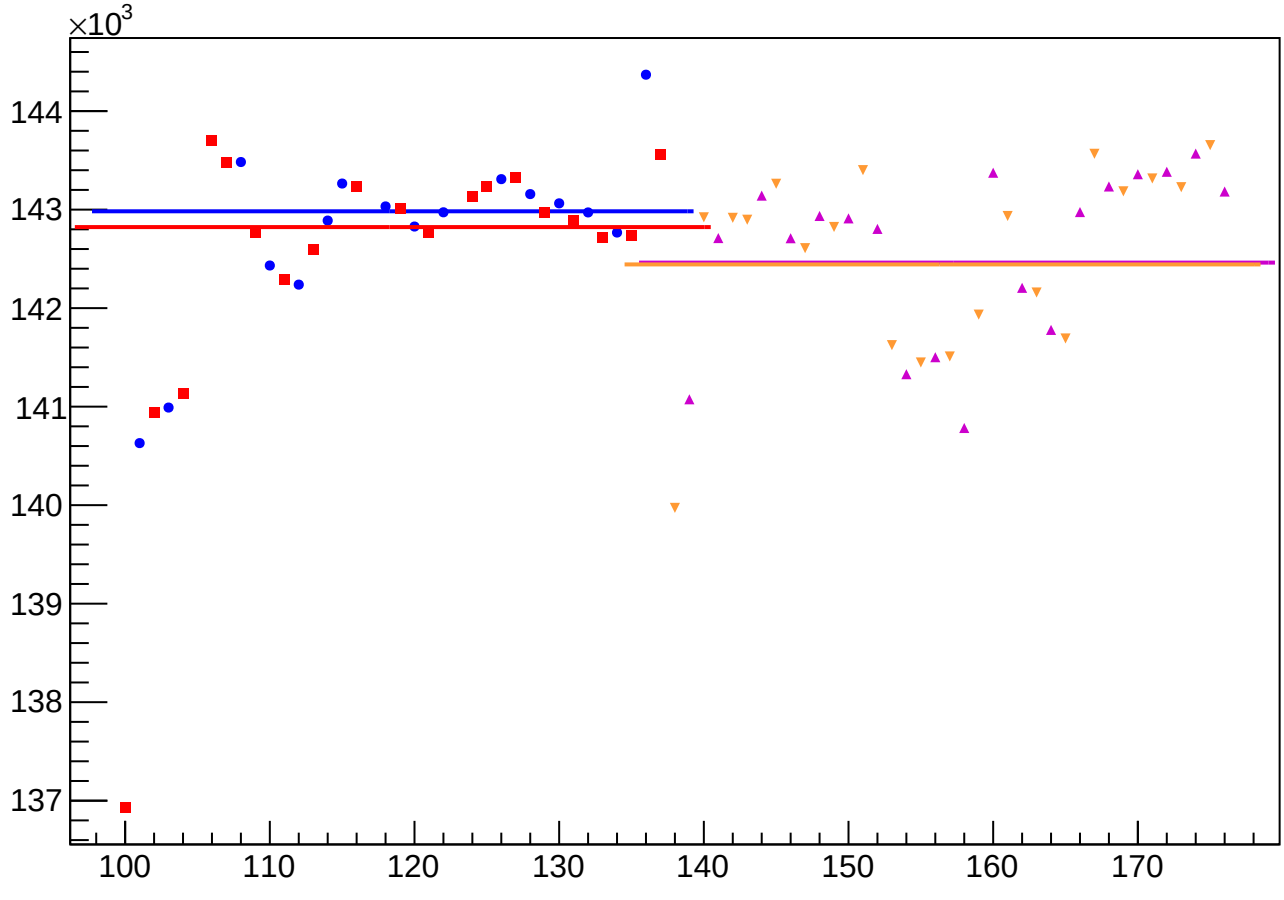
Left: 226.655+/-0.029 χ^2/NDF: 659556.2/38

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 203.172+/-0.031 χ^2/NDF:2149205.3/34

Out: 198.317+/-0.030 χ^2/NDF:2725872.9/38

All: 200.667+/-0.022 χ^2/NDF: 4887477.0/73



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142443.721+/-0.055 χ^2/NDF:325909979.4/19

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142462.131+/-0.055 χ^2/NDF:259658442.0/18

Left: 142452.798+/-0.039 χ^2/NDF: 585624526.8/38

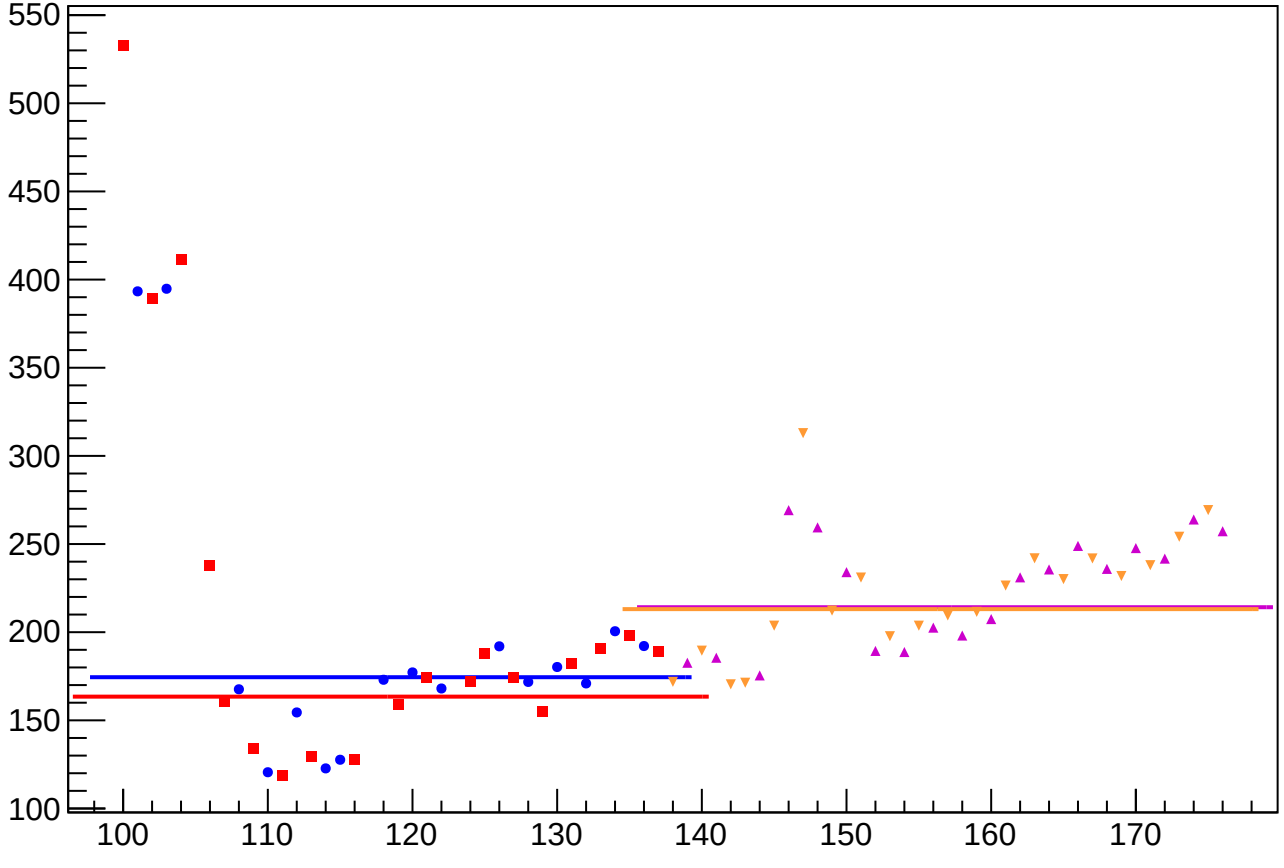
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142665.636+/-0.043 χ^2/NDF:401965459.4/34

Out: 142603.193+/-0.042 χ^2/NDF:409784488.5/38

All: 142633.189+/-0.030 χ^2/NDF: 81283568

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 213.084+/-0.039 χ^2/NDF:652767.6/19

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 214.167+/-0.039 χ^2/NDF:592481.2/18

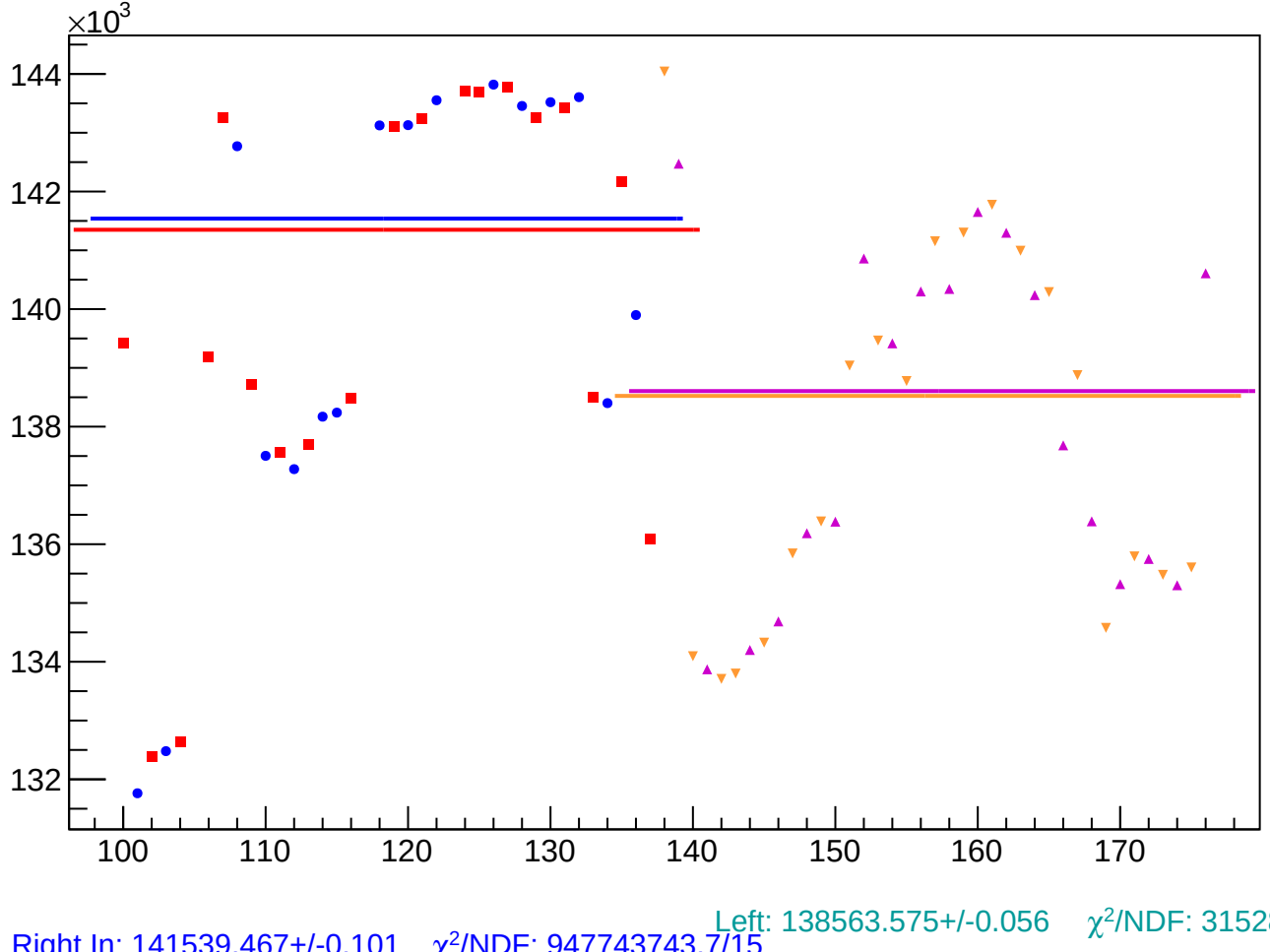
Left: 213.618+/-0.027 χ^2/NDF: 1245637.6/38

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 198.656+/-0.031 χ^2/NDF:2043732.1/34

Out: 192.199+/-0.029 χ^2/NDF:2631362.8/38

All: 195.301+/-0.021 χ^2/NDF: 4698317.7/73



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138522.781+/-0.079 χ^2/NDF:1786714469.8/19

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138605.189+/-0.080 χ^2/NDF:1365558584.8/18

Left: 138563.575+/-0.056 χ^2/NDF: 3152809073.3/3

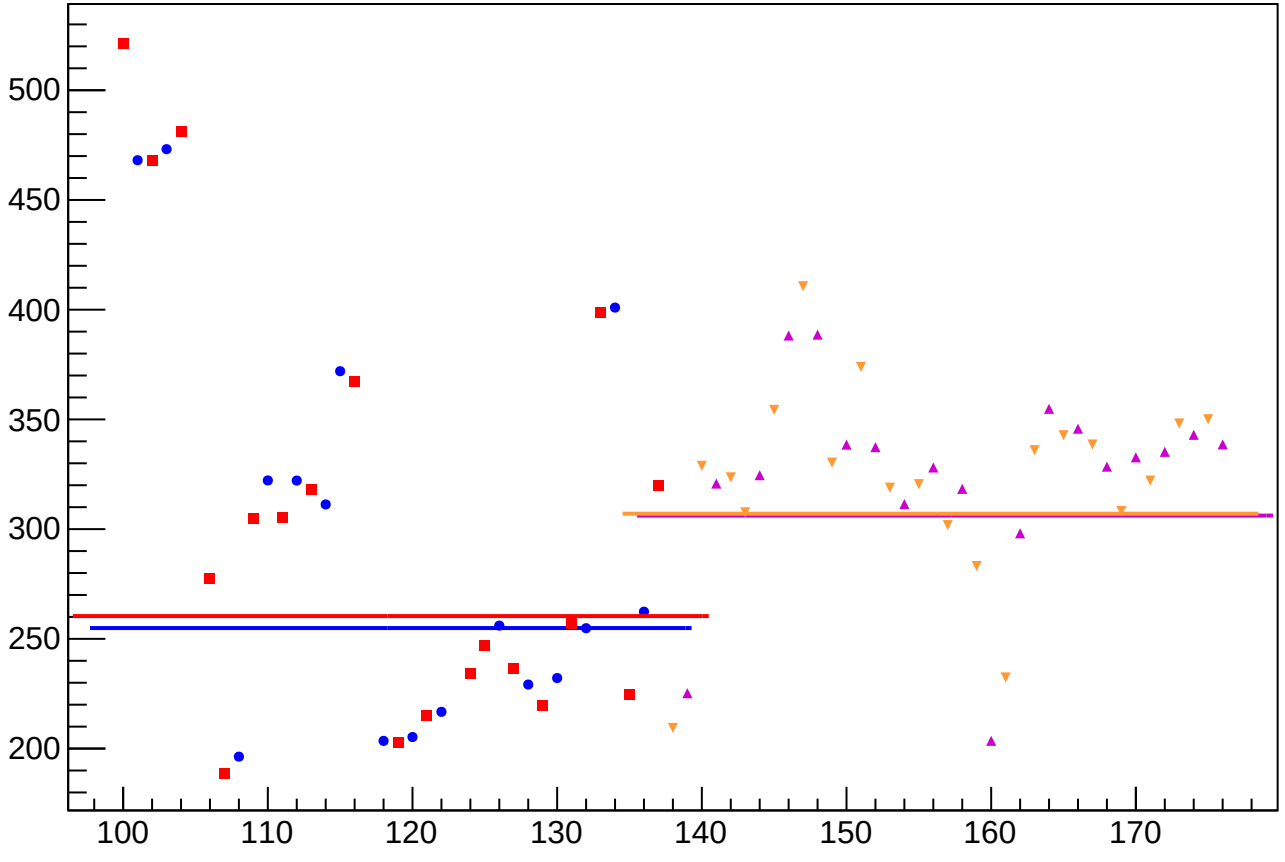
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139738.768+/-0.063 χ^2/NDF:2833214580.8/34

Out: 139598.271+/-0.062 χ^2/NDF:3198118800.2/3

All: 139668.154+/-0.044 χ^2/NDF: 60338603

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.032+/-0.056 χ^2/NDF:802244.1/19

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 306.167+/-0.057 χ^2/NDF:922032.9/18

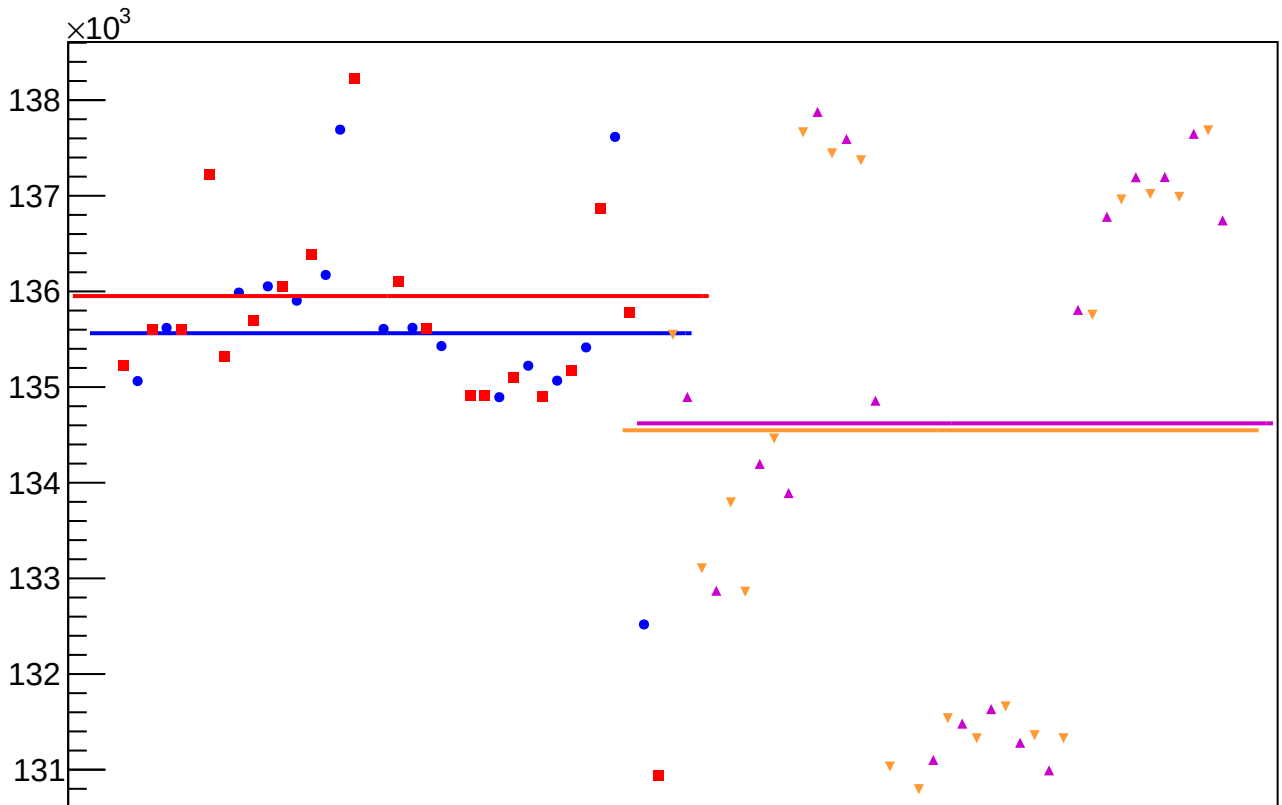
Left: 306.604+/-0.040 χ^2/NDF: 1724395.1/38

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 286.369+/-0.044 χ^2/NDF:2189168.9/34

Out: 289.278+/-0.044 χ^2/NDF:2059742.9/38

All: 287.831+/-0.031 χ^2/NDF: 4251078.3/73



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134548.565+/-0.067 χ^2/NDF:1188006232.0/19

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134620.661+/-0.070 χ^2/NDF:1085301696.3/18

Left: 134583.187+/-0.048 χ^2/NDF: 2273861689.1/3

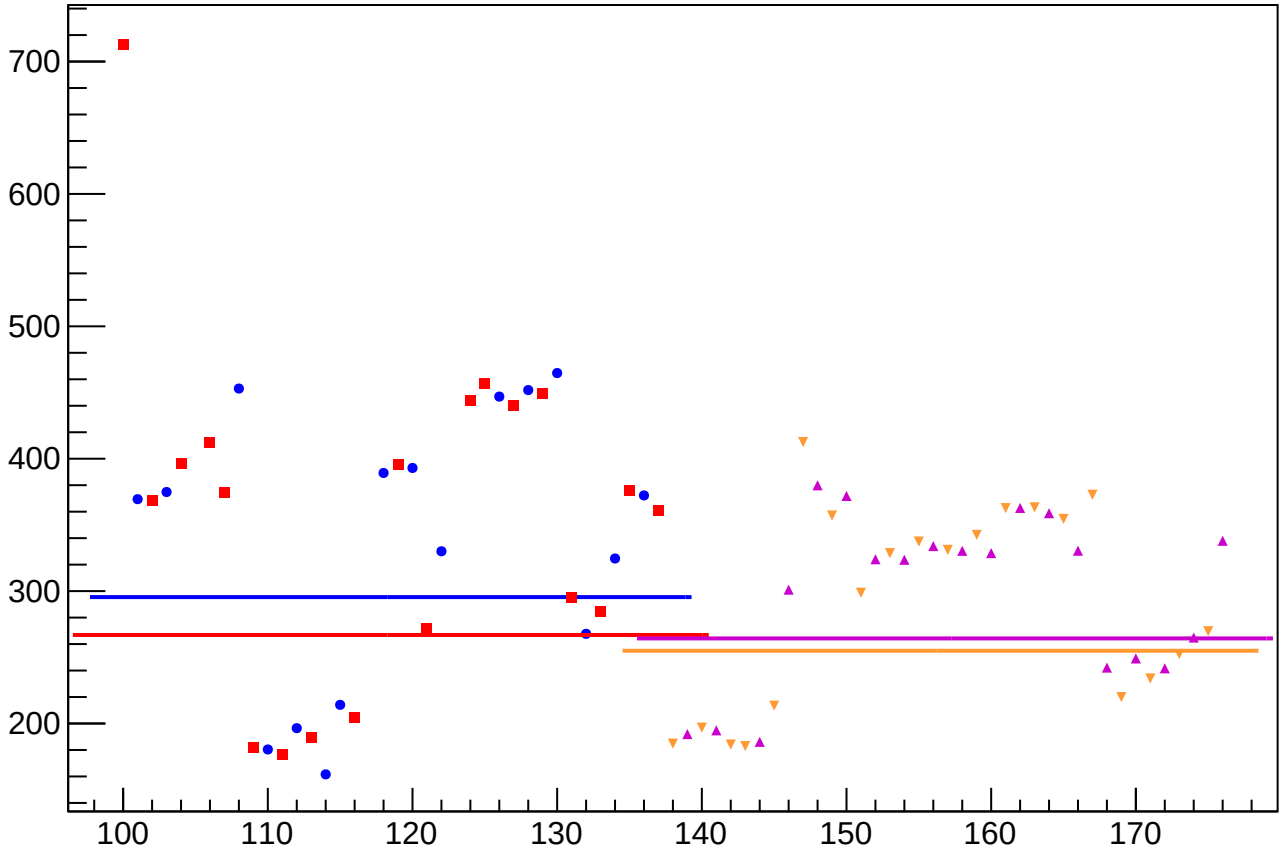
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134864.109+/-0.060 χ^2/NDF:1226494892.2/34

Out: 134948.333+/-0.057 χ^2/NDF:1404004547.1/3

All: 134908.655+/-0.041 χ^2/NDF: 26315362

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.953+/-0.047 χ^2/NDF:2168126.4/19

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.275+/-0.049 χ^2/NDF:1746294.8/18

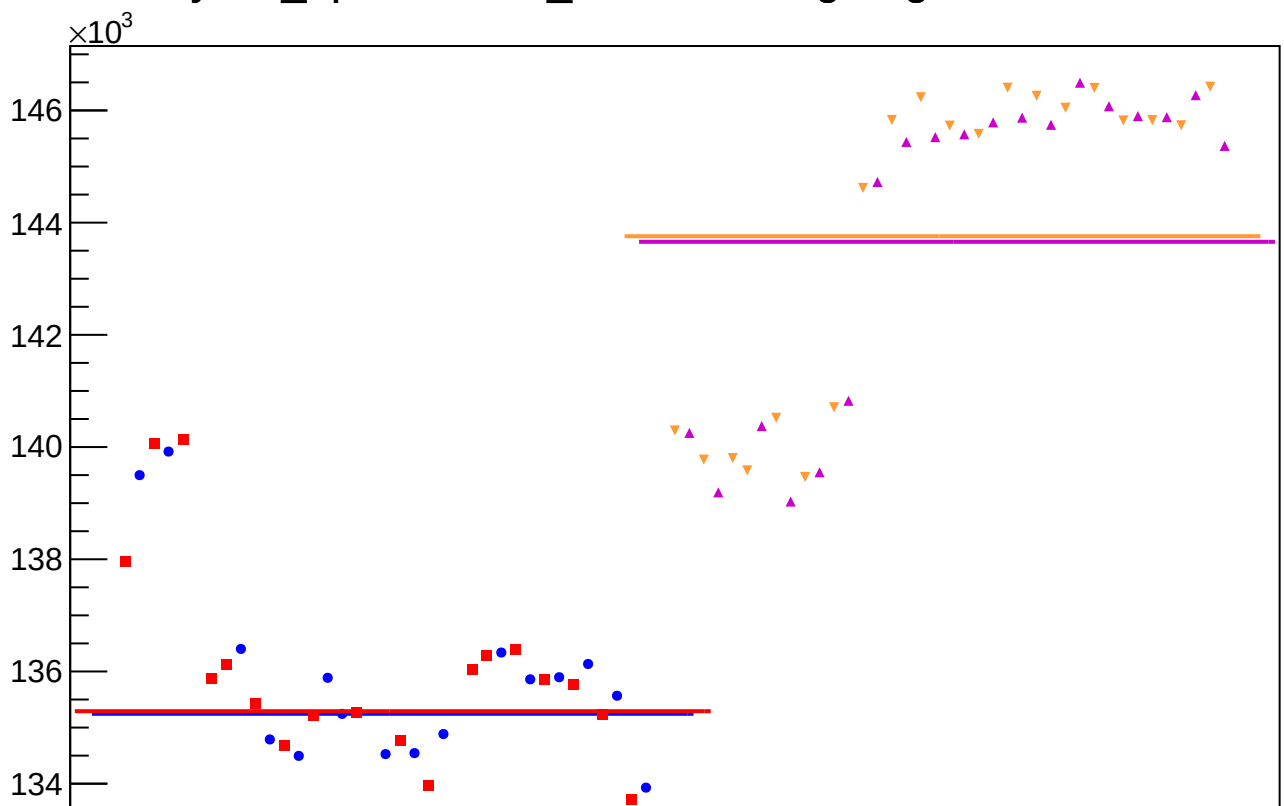
Left: 259.430+/-0.034 χ^2/NDF: 3932939.5/38

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 272.337+/-0.043 χ^2/NDF:3291948.7/34

Out: 258.347+/-0.040 χ^2/NDF:3864137.4/38

All: 264.938+/-0.029 χ^2/NDF: 7213298.6/73



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143757.632+/-0.051 χ^2/NDF:3091021113.0/19

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143658.497+/-0.053 χ^2/NDF:2744329223.7/18

Left: 143710.139+/-0.037 χ^2/NDF: 5837152046.2/3

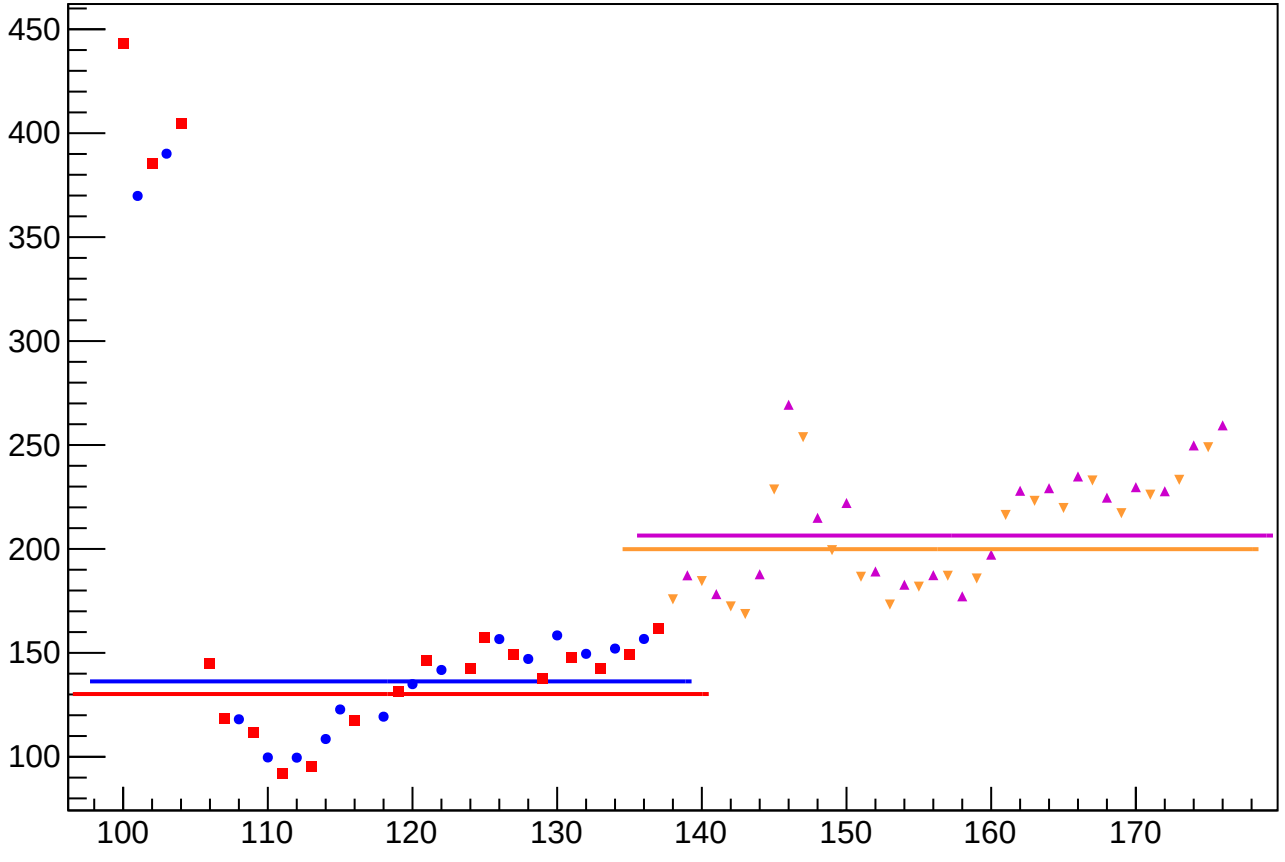
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139562.665+/-0.038 χ^2/NDF:15258545405.8/3

Out: 139576.597+/-0.036 χ^2/NDF:17017603031.7

All: 139569.970+/-0.026 χ^2/NDF: 32276218

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 199.894+/-0.036 χ^2/NDF:489621.9/19

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 206.444+/-0.038 χ^2/NDF:482001.5/18

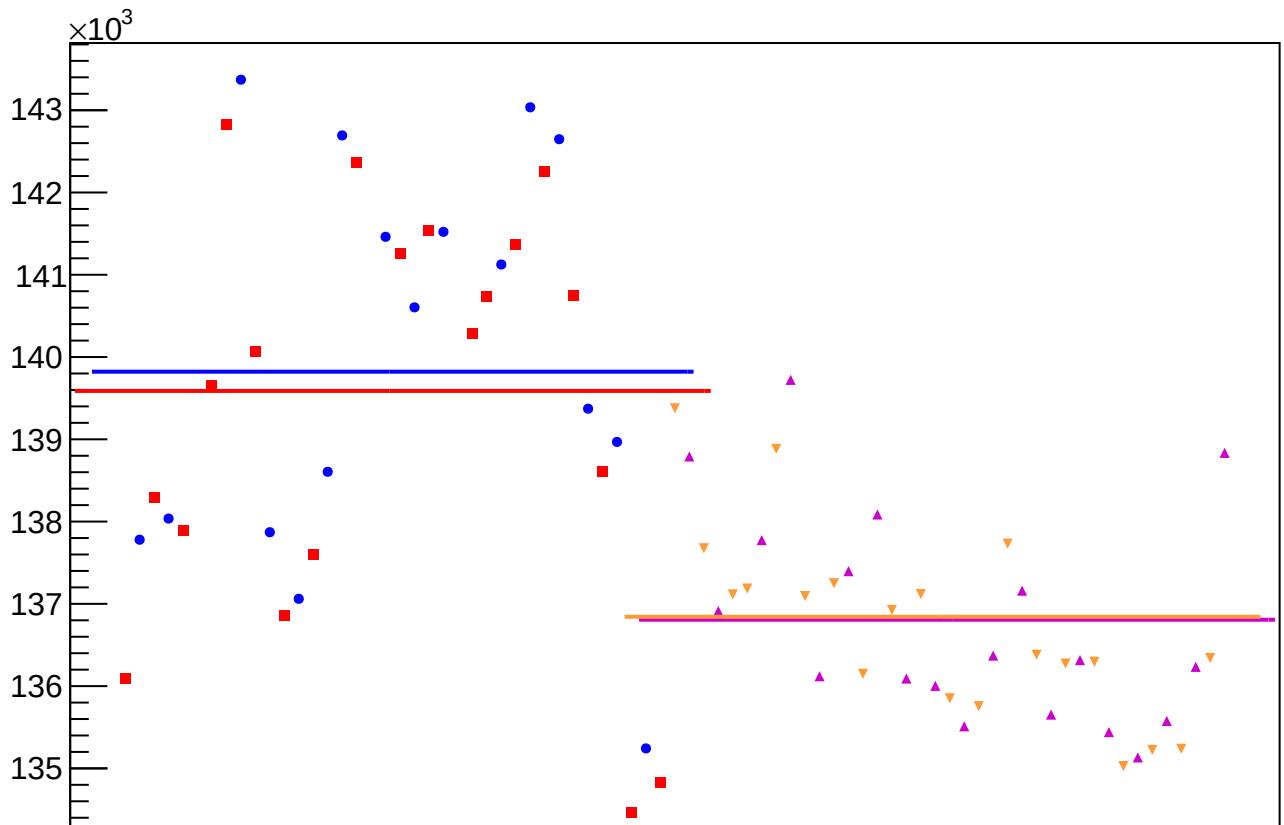
Left: 203.032+/-0.026 χ^2/NDF: 987352.6/38

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

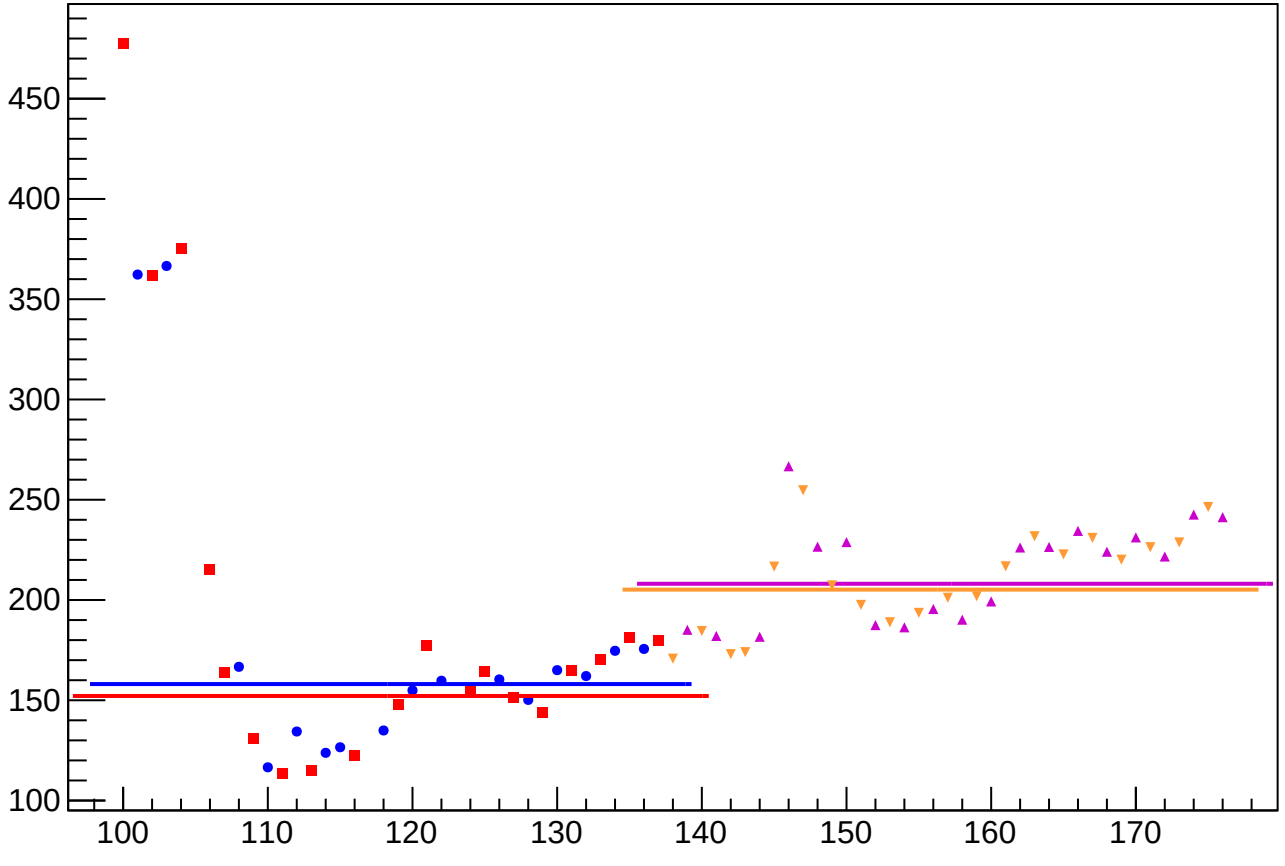
In: 172.284+/-0.027 χ^2/NDF:3552952.1/34

Out: 165.477+/-0.026 χ^2/NDF:3846118.9/38

All: 168.715+/-0.019 χ^2/NDF: 7432402.0/73


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
160
170
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 136842.994+/-0.052 χ²/NDF:478078148.2/19
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 136807.036+/-0.054 χ²/NDF:516294301.9/18
Left: 136825.440+/-0.038 χ²/NDF: 994601615.4/38
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138086.458+/-0.041 χ²/NDF:3515444670.3/34
Out: 138038.949+/-0.039 χ²/NDF:3152865325.8/3
All: 138061.904+/-0.028 χ²/NDF: 66690116

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 205.177+/-0.037 χ^2/NDF:386884.0/19

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 208.098+/-0.038 χ^2/NDF:397281.1/18

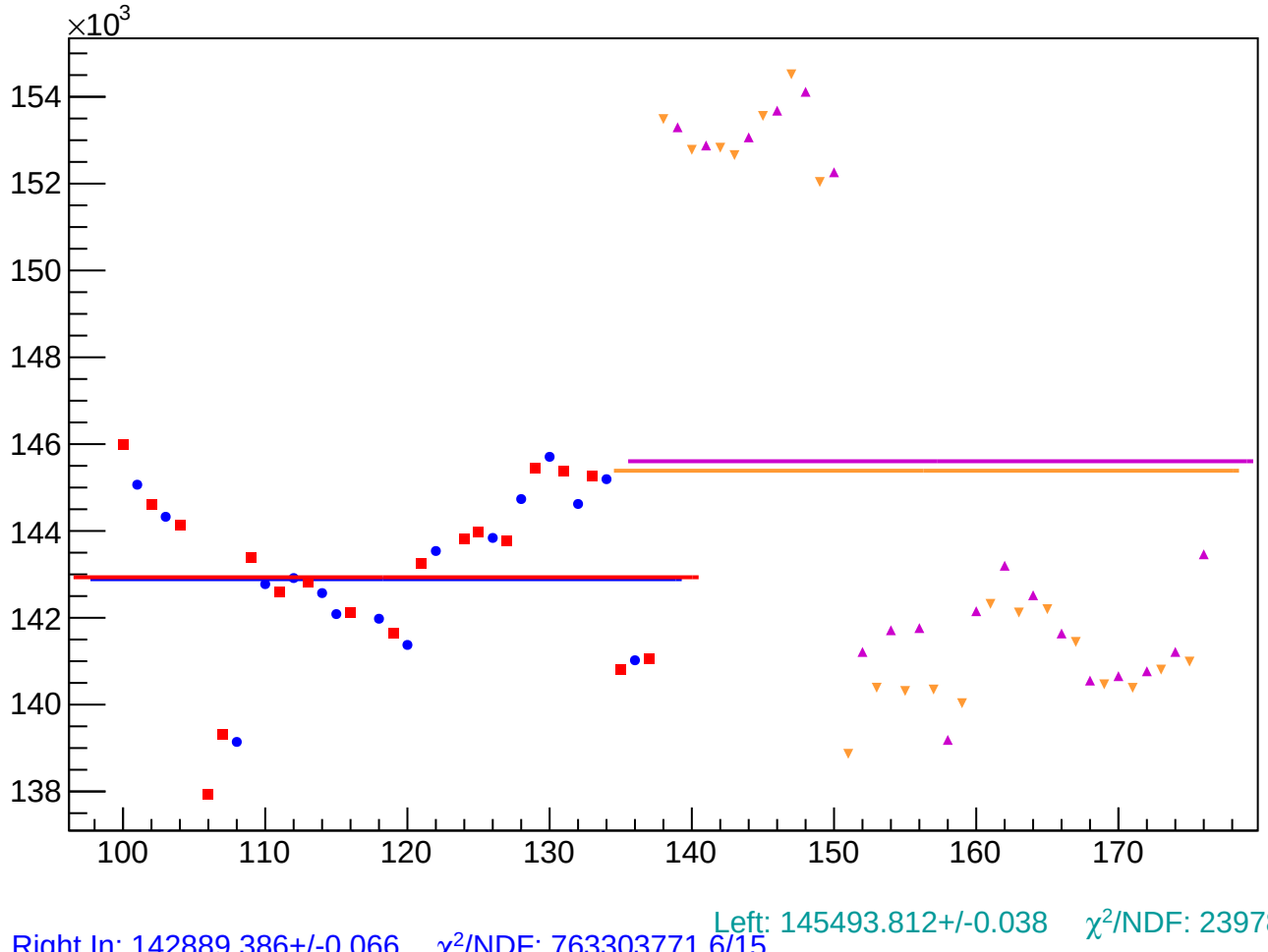
Left: 206.603+/-0.027 χ^2/NDF: 787190.6/38

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 186.873+/-0.029 χ^2/NDF:2150457.2/34

Out: 182.068+/-0.028 χ^2/NDF:2505916.0/38

All: 184.390+/-0.020 χ^2/NDF: 4670729.5/73



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145387.421+/-0.053 χ^2/NDF:12970816864.0/19

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145605.783+/-0.055 χ^2/NDF:10999257237.9/18

Left: 145493.812+/-0.038 χ^2/NDF: 23978297424.1

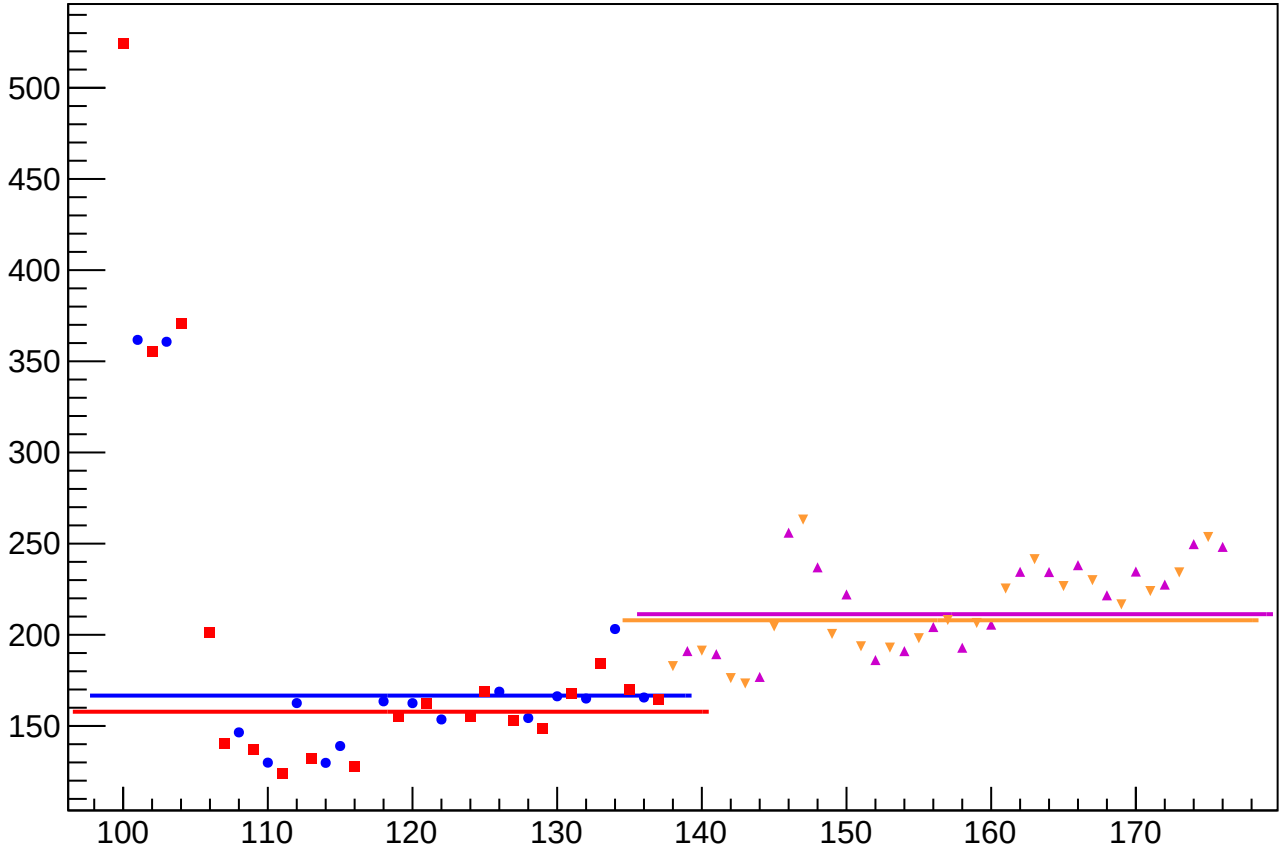
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144497.545+/-0.042 χ^2/NDF:12775056311.2/3

Out: 144339.081+/-0.040 χ^2/NDF:14668656819.2

All: 144414.978+/-0.029 χ^2/NDF: 27451146

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 207.965+/-0.038 χ^2/NDF:376827.7/19

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 211.310+/-0.039 χ^2/NDF:391482.4/18

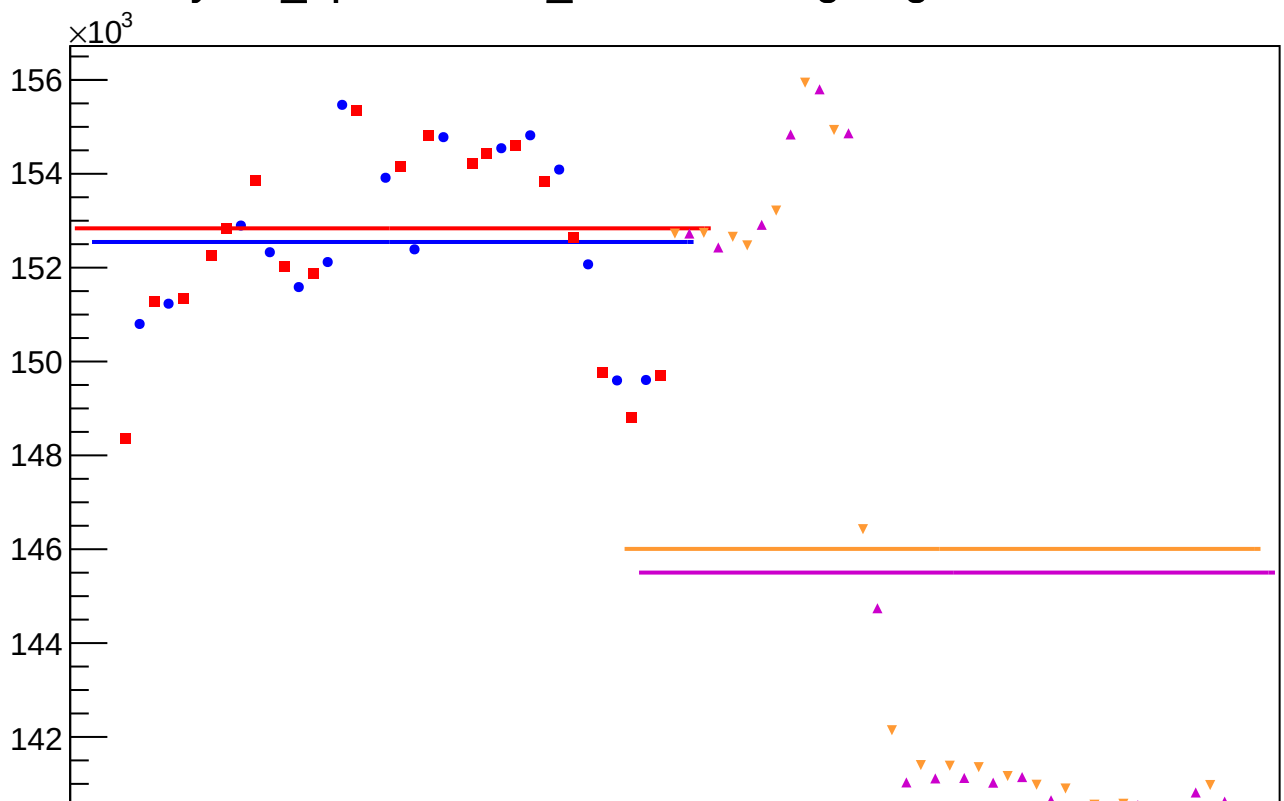
Left: 209.595+/-0.027 χ^2/NDF: 772168.7/38

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 193.092+/-0.030 χ^2/NDF:1802260.5/34

Out: 186.535+/-0.028 χ^2/NDF:2160110.0/38

All: 189.675+/-0.021 χ^2/NDF: 3987828.6/73



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146006.967+/-0.053 χ^2/NDF:12235109334.3/19

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

Left: 145760.226+/-0.038 χ^2/NDF: 24513660348.0

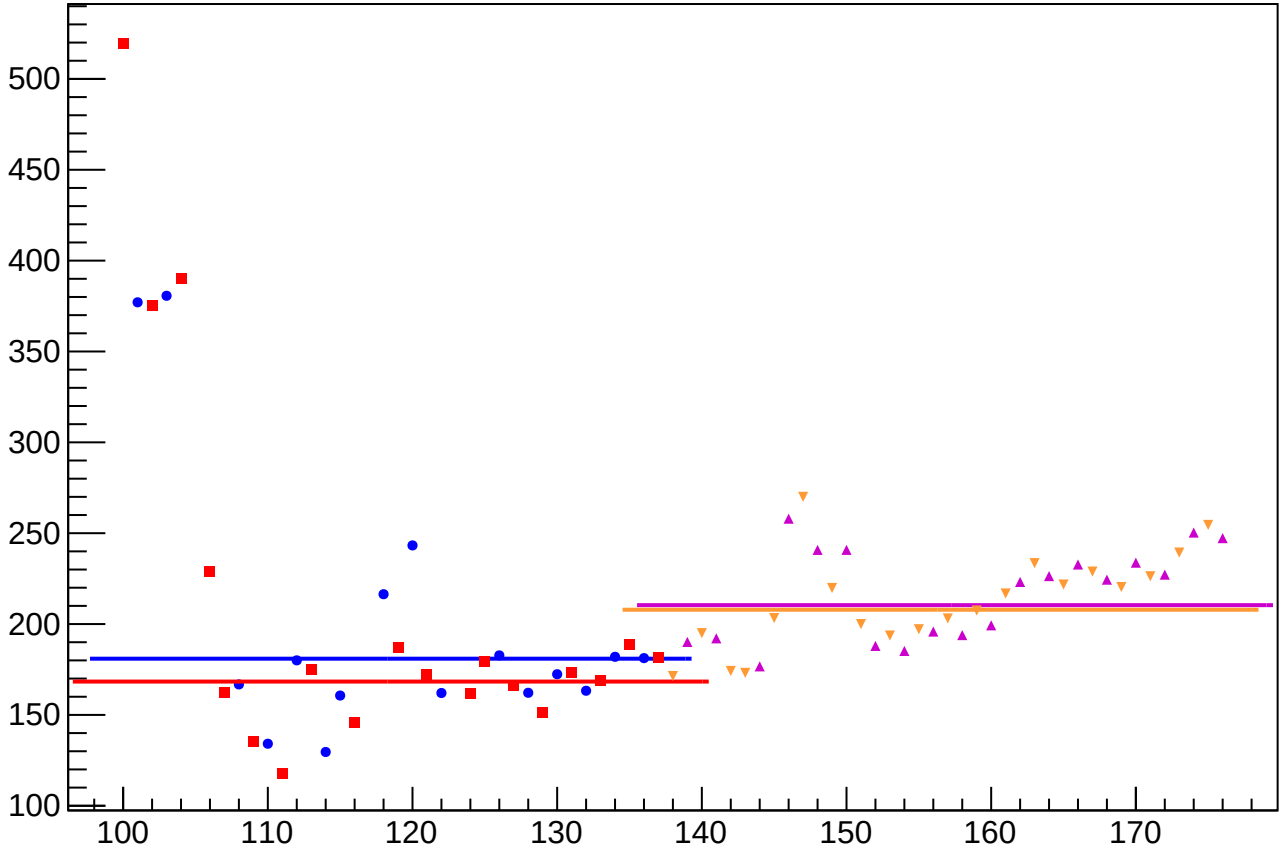
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148021.526+/-0.043 χ^2/NDF:18934518678.9/3

Out: 148652.530+/-0.041 χ^2/NDF:19406019723.3/

All: 148351.435+/-0.030 χ^2/NDF: 38450937

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 207.881+/-0.037 χ^2/NDF:420543.8/19

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

Left: 209.112+/-0.027 χ^2/NDF: 842975.8/38

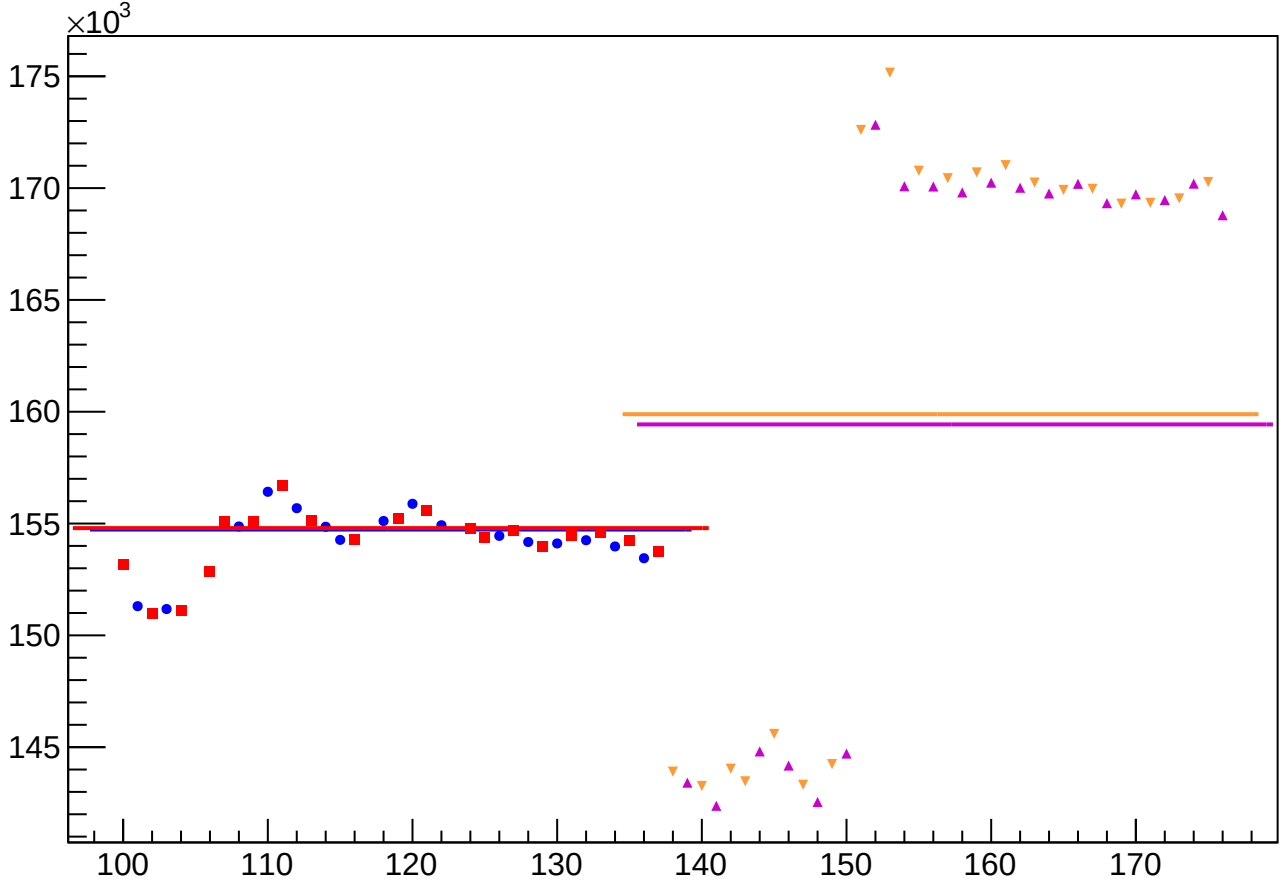
Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 199.863+/-0.031 χ^2/NDF:1539443.5/34

Out: 192.571+/-0.029 χ^2/NDF:1940610.3/38

All: 196.050+/-0.021 χ^2/NDF: 3509542.8/73

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159890.334+/-0.050 χ^2/NDF:71753253051.5/19

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159432.533+/-0.052 χ^2/NDF:64416149002.5/18

Left: 159668.419+/-0.036 χ^2/NDF: 136209996949.

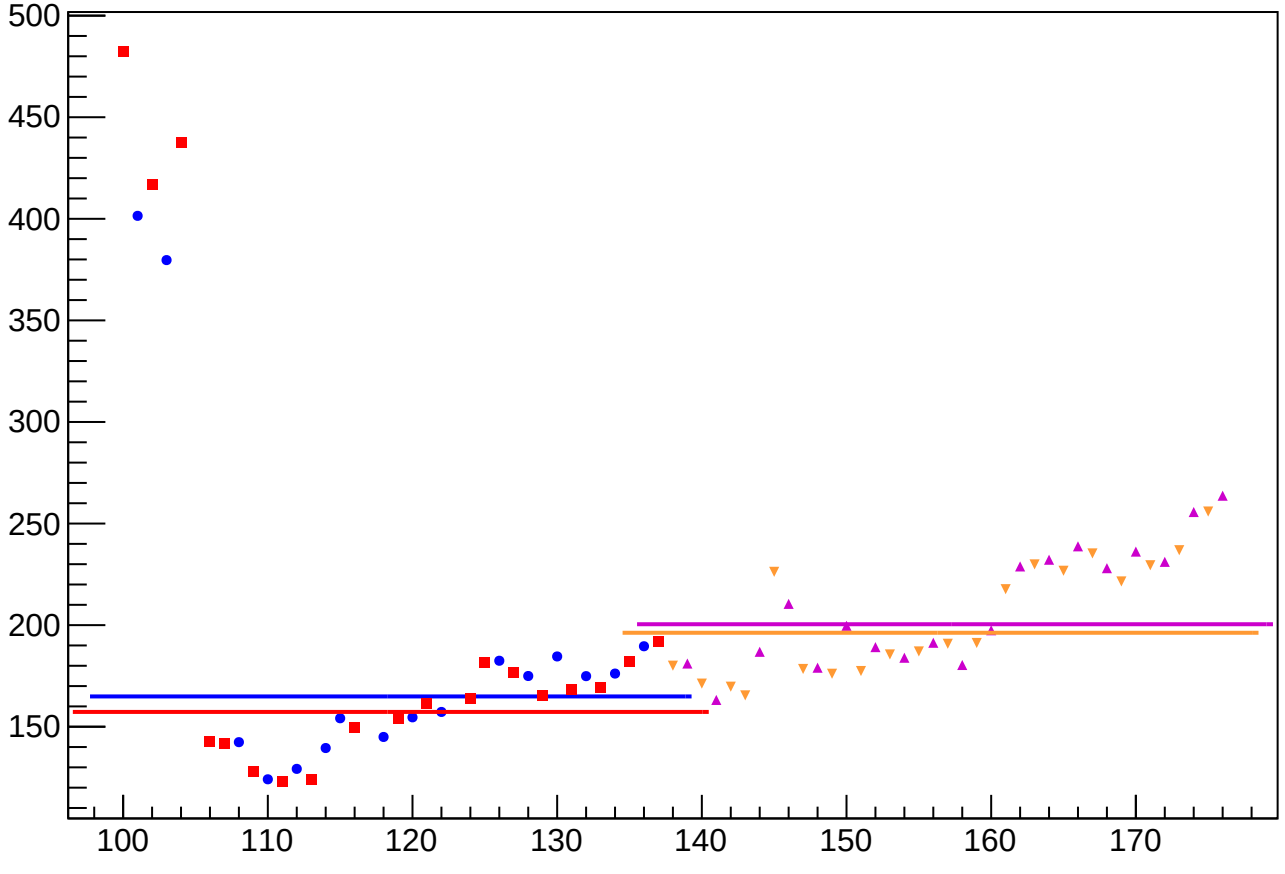
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157623.552+/-0.040 χ^2/NDF:67886317156.9/3

Out: 157844.389+/-0.039 χ^2/NDF:76222214991.5

All: 157738.854+/-0.028 χ^2/NDF: 14412409

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 196.245+/-0.035 χ^2/NDF:530116.8/19

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 200.446+/-0.036 χ^2/NDF:514778.1/18

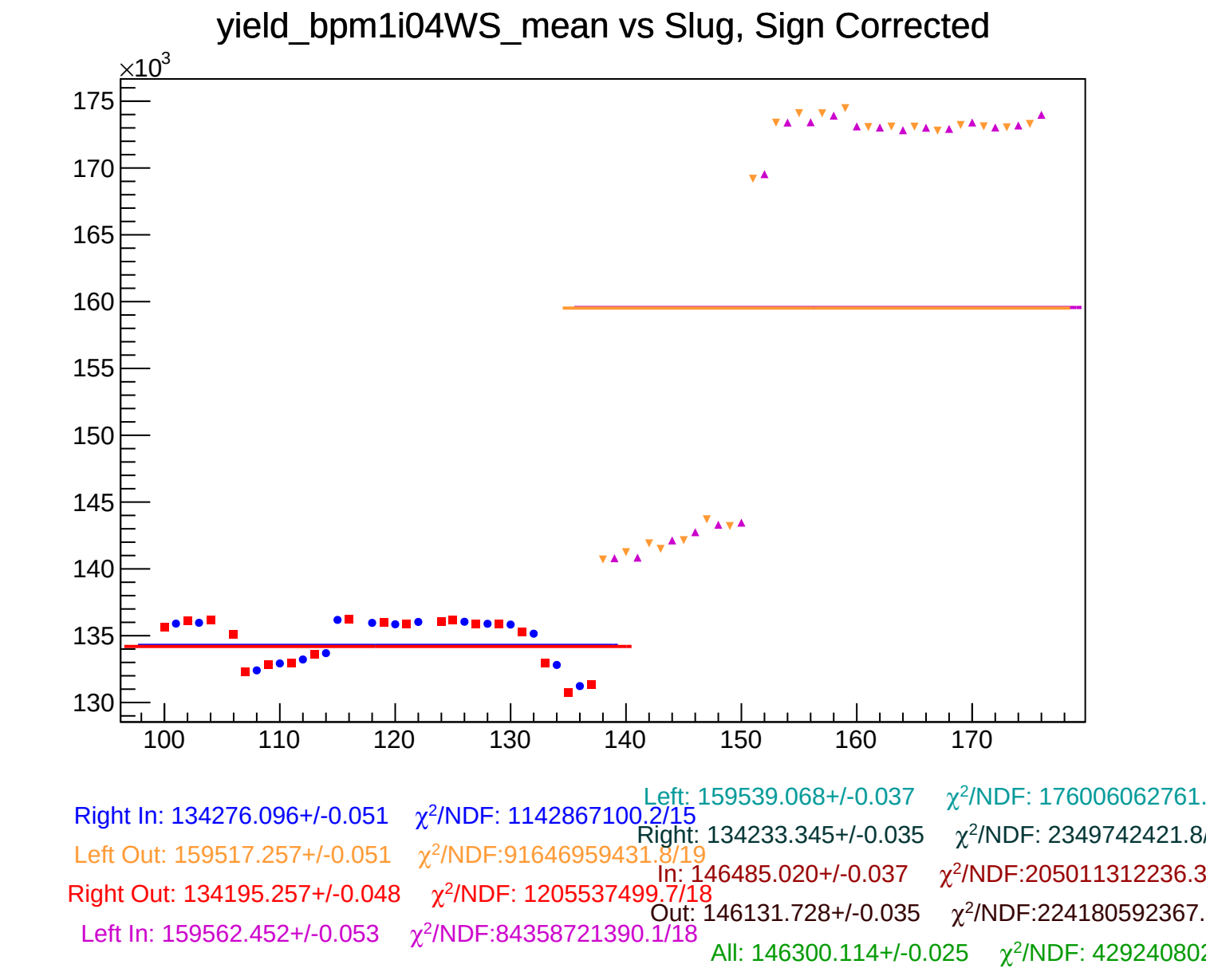
Left: 198.281+/-0.025 χ^2/NDF: 1051731.2/38

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

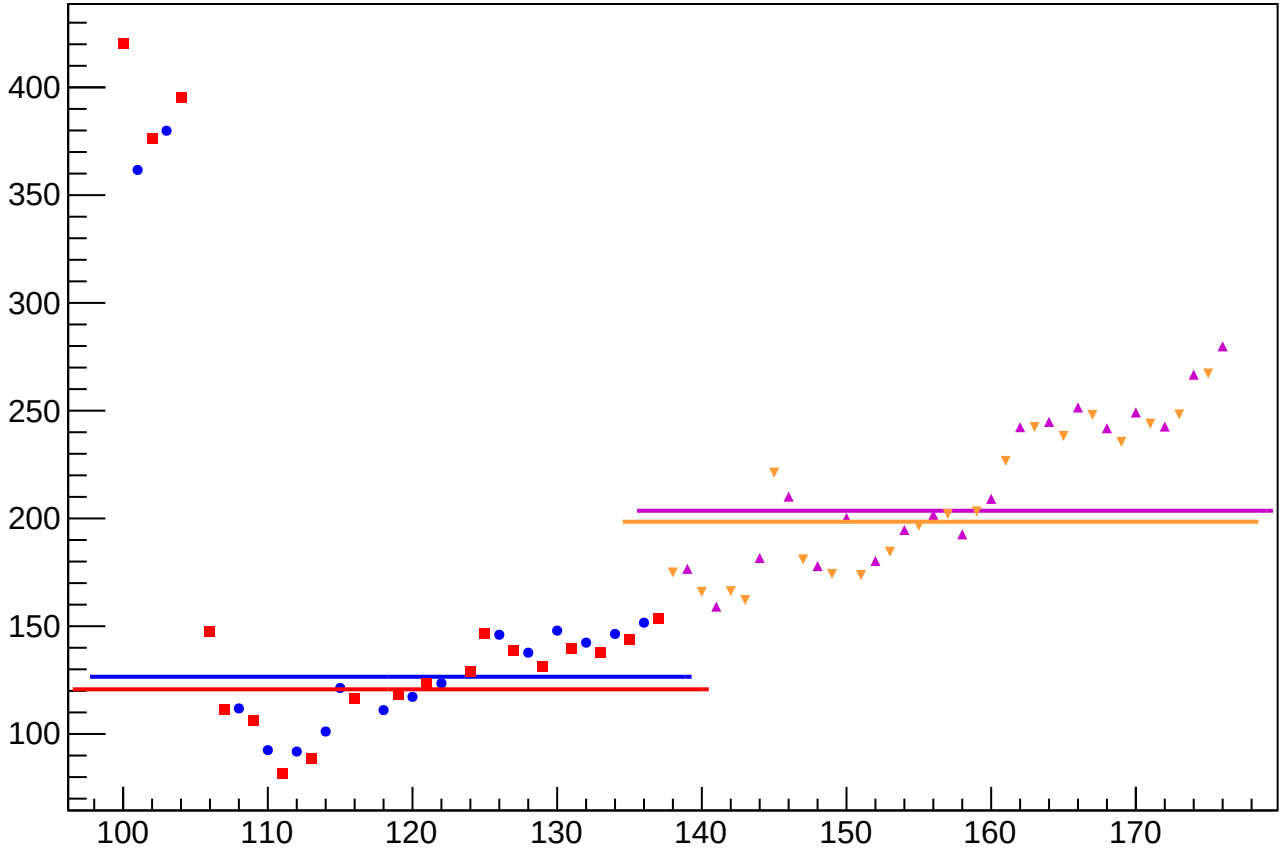
In: 186.765+/-0.029 χ^2/NDF:1953048.4/34

Out: 180.598+/-0.027 χ^2/NDF:2272156.6/38

All: 183.545+/-0.020 χ^2/NDF: 4249482.1/73


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 159517.257+/-0.051 χ²/NDF:91646959431.8/19
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 159562.452+/-0.053 χ²/NDF:84358721390.1/18
Left: 159539.068+/-0.037 χ²/NDF: 176006062761.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 146485.020+/-0.037 χ²/NDF:205011312236.3
Out: 146131.728+/-0.035 χ²/NDF:224180592367.
All: 146300.114+/-0.025 χ²/NDF: 42924080

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 198.477+/-0.036 χ^2/NDF:759234.1/19

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 203.571+/-0.037 χ^2/NDF:724741.1/18

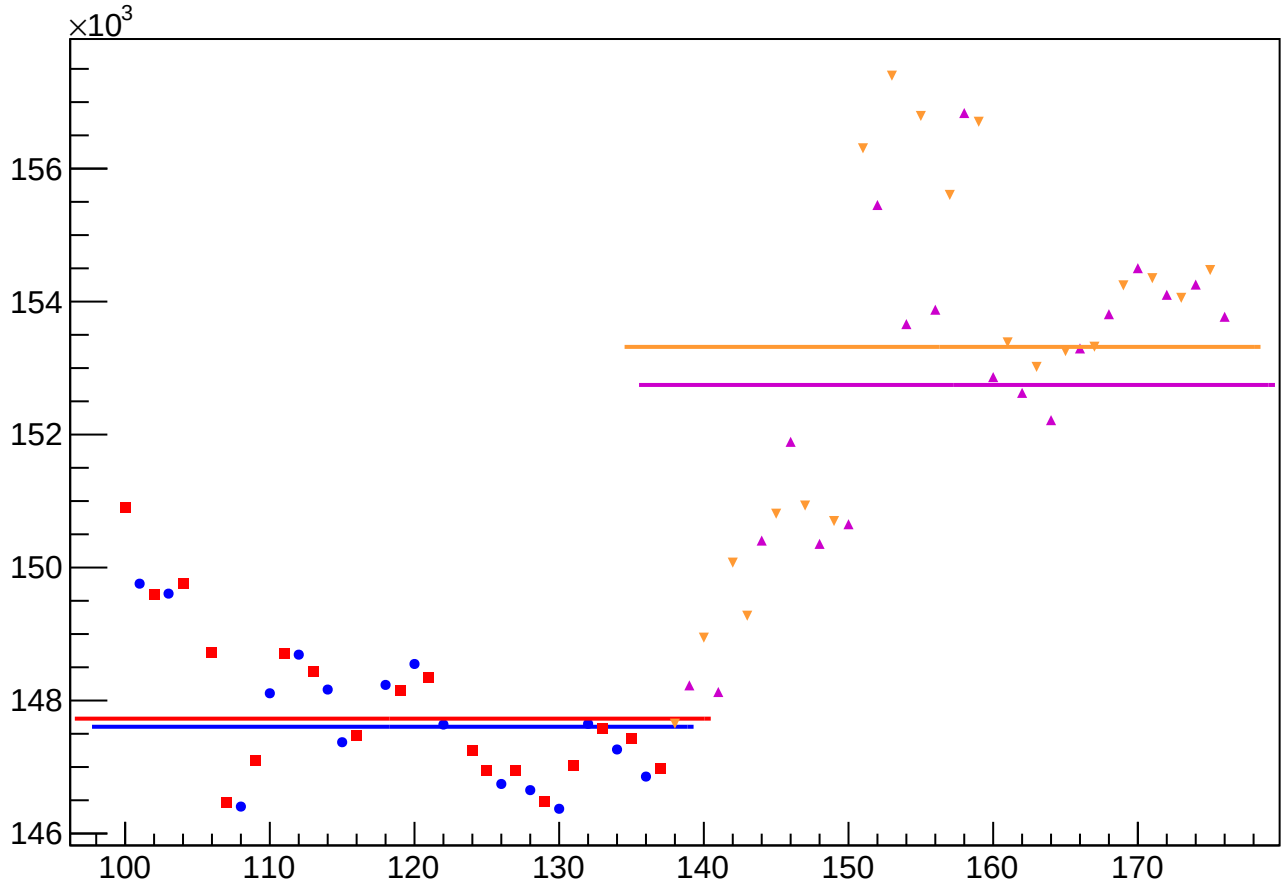
Left: 200.936+/-0.026 χ^2/NDF: 1493678.8/38

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 163.738+/-0.026 χ^2/NDF:4419709.6/34

Out: 157.376+/-0.025 χ^2/NDF:4868472.6/38

All: 160.408+/-0.018 χ^2/NDF: 9319903.7/73



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153318.720+/-0.054 χ^2/NDF:2976059846.7/19

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152746.331+/-0.055 χ^2/NDF:1886257557.2/18

Left: 153040.018+/-0.039 χ^2/NDF: 4917058771.1/3

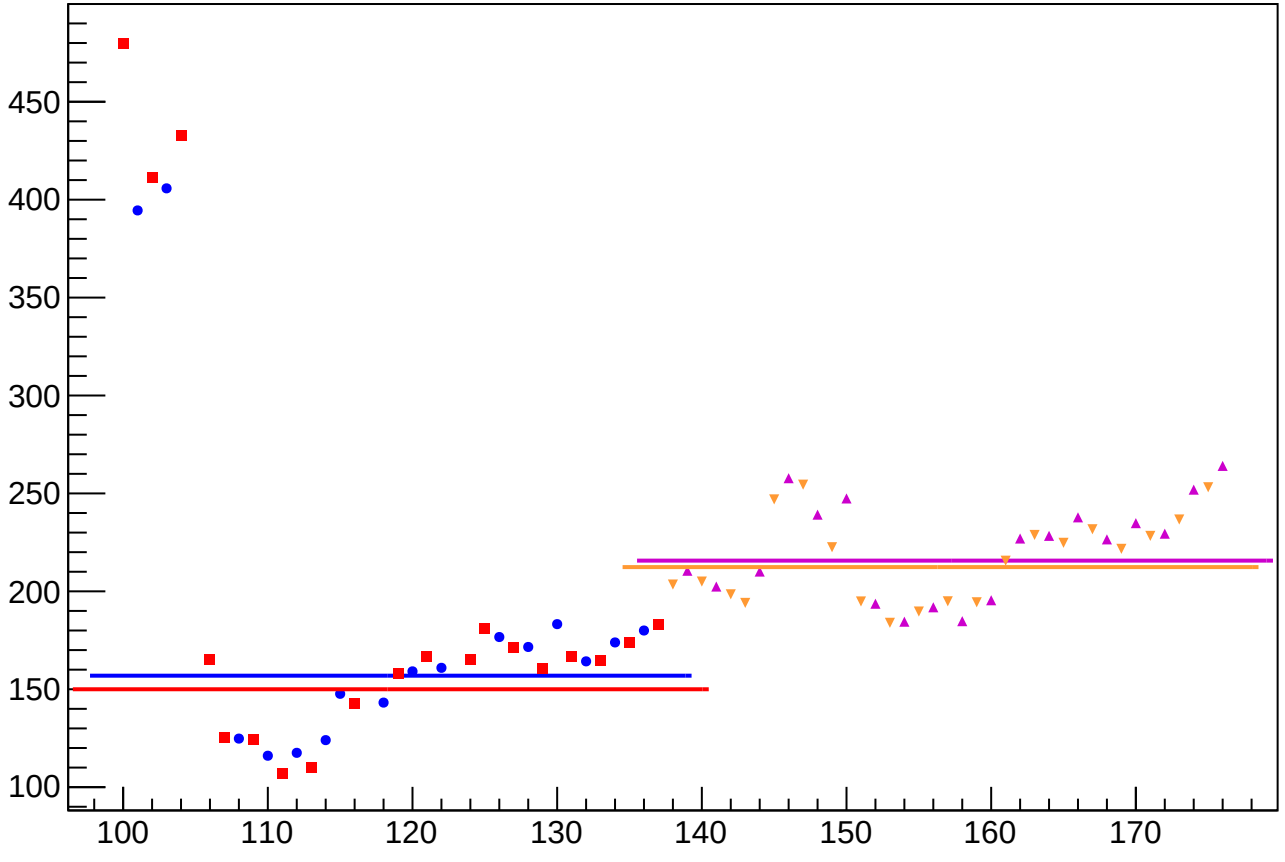
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150482.677+/-0.041 χ^2/NDF:5876214686.6/34

Out: 150767.760+/-0.040 χ^2/NDF:8065131609.2/3

All: 150631.004+/-0.029 χ^2/NDF: 13965950

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 212.375+/-0.038 χ^2/NDF:300327.3/19

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 215.686+/-0.039 χ^2/NDF:380892.5/18

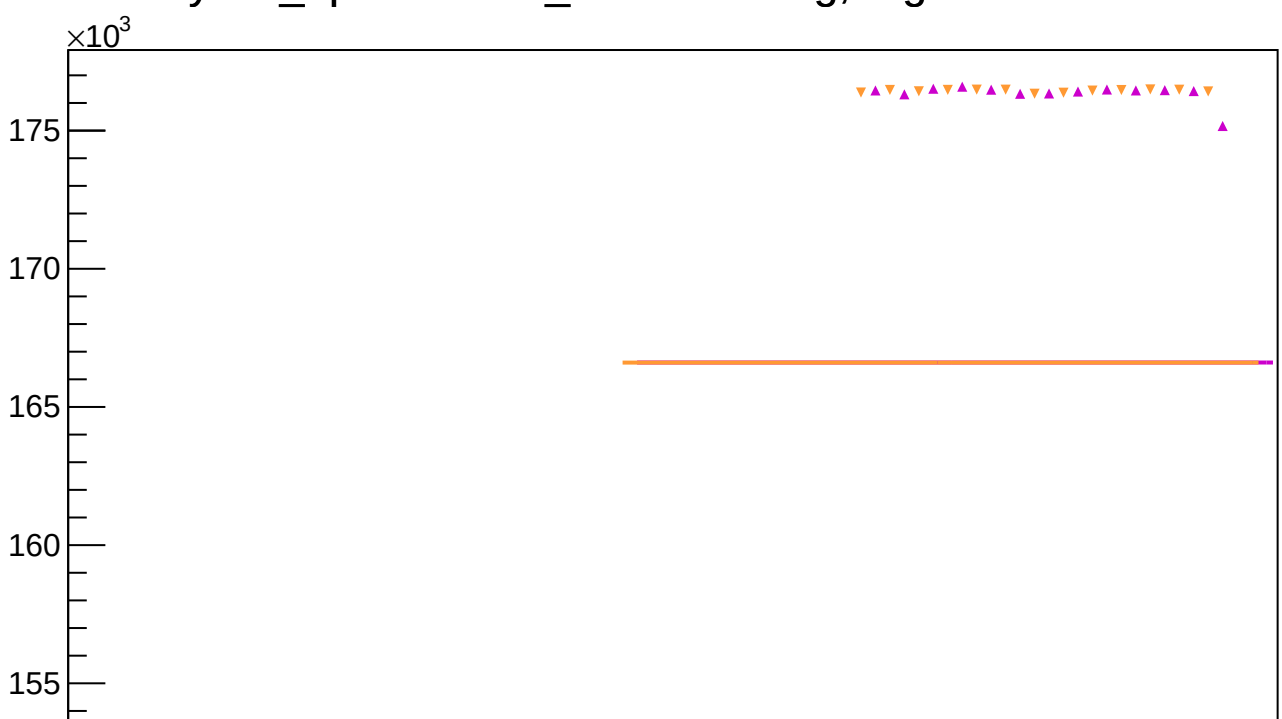
Left: 213.987+/-0.027 χ^2/NDF: 684884.4/38

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 189.812+/-0.029 χ^2/NDF:2636819.7/34

Out: 183.913+/-0.028 χ^2/NDF:2972735.4/38

All: 186.743+/-0.020 χ^2/NDF: 5630624.2/73



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166605.323+/-0.049 χ^2/NDF:57052671340.7/19

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

Left: 166606.704+/-0.035 χ^2/NDF: 110283846075.

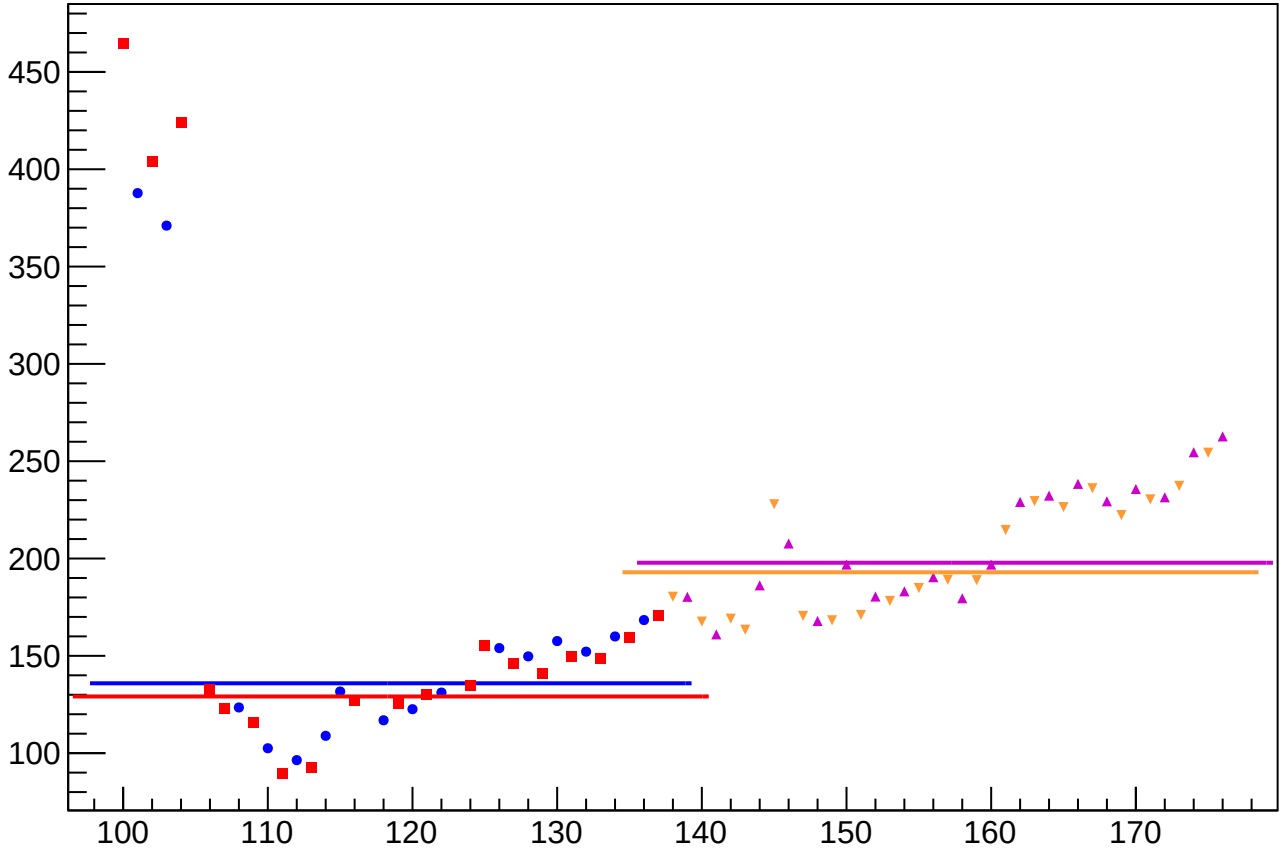
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159140.443+/-0.037 χ^2/NDF:99569343883.2/3

Out: 158865.465+/-0.035 χ^2/NDF:108506887261.

All: 158995.949+/-0.026 χ^2/NDF: 20810484

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 192.936+/-0.035 χ^2/NDF:621758.8/19

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

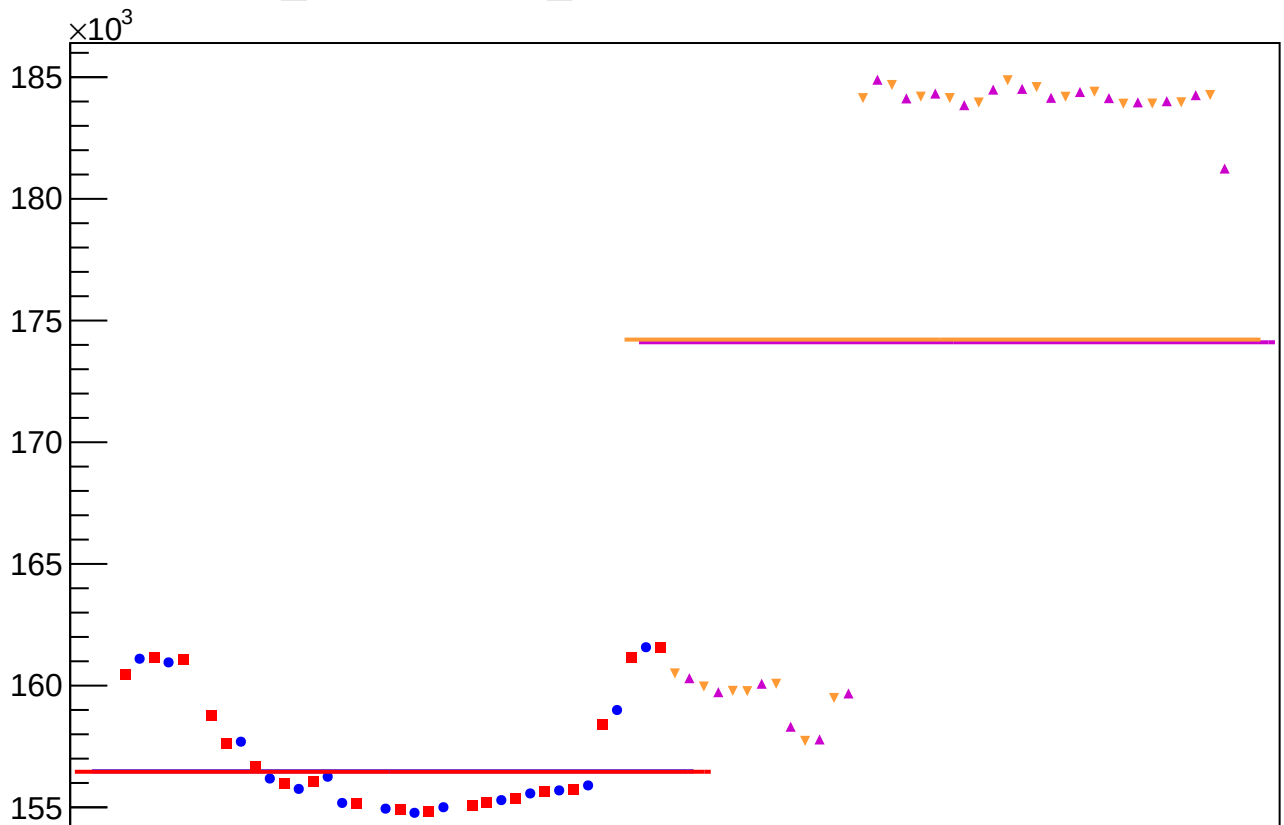
Left: 195.300+/-0.025 χ^2/NDF: 1211328.1/38

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 168.998+/-0.026 χ^2/NDF:3371302.7/34

Out: 162.155+/-0.025 χ^2/NDF:3857454.6/38

All: 165.402+/-0.018 χ^2/NDF: 7264200.5/73



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174218.097+/-0.051 χ^2/NDF:56947024446.7/19

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 174106.889+/-0.053 χ^2/NDF:53832234280.4/18

Left: 174164.310+/-0.037 χ^2/NDF: 110781567572.

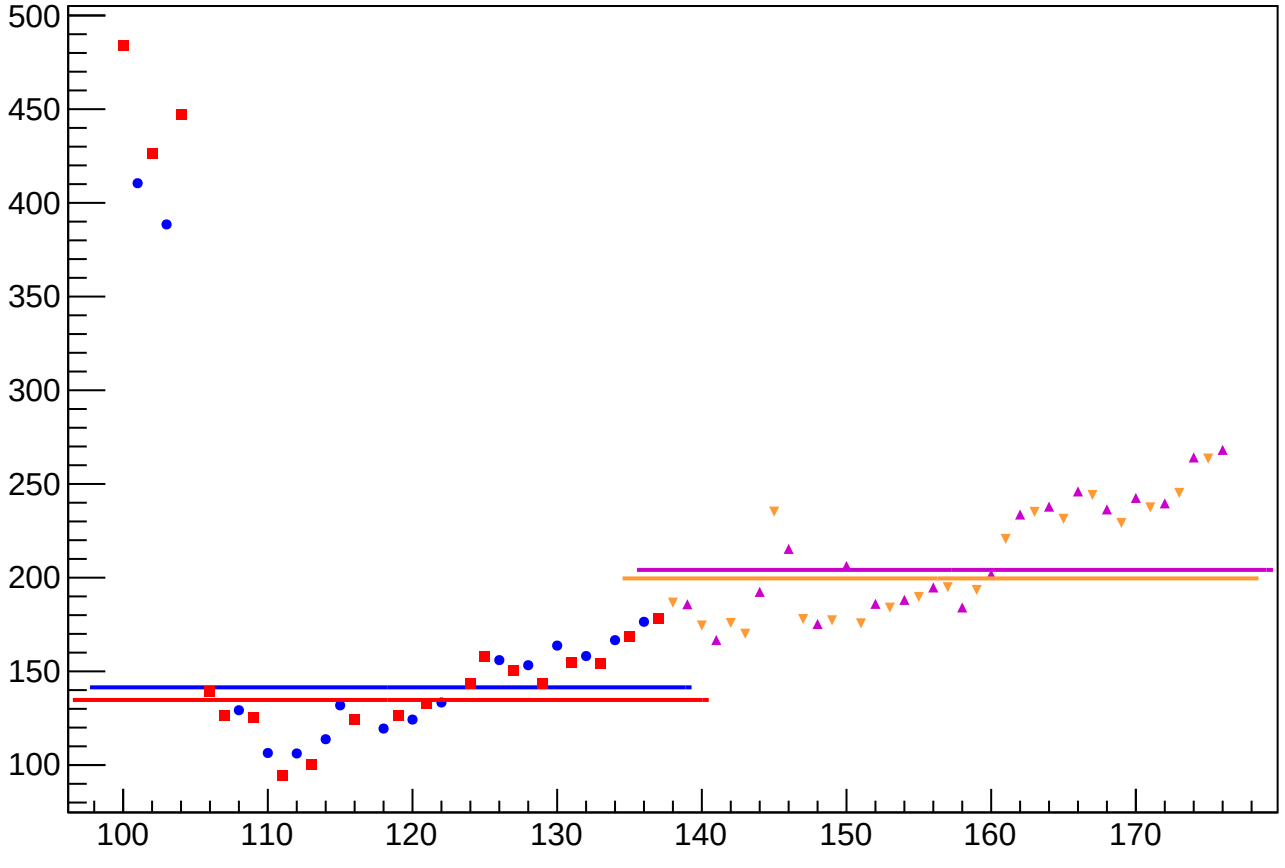
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 165972.175+/-0.039 χ^2/NDF:106971634196.9

Out: 165719.368+/-0.037 χ^2/NDF:116300655606.

All: 165839.599+/-0.027 χ^2/NDF: 22329479

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 199.597+/-0.036 χ^2/NDF:593110.5/19

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 204.150+/-0.037 χ^2/NDF:567101.2/18

Left: 201.799+/-0.026 χ^2/NDF: 1167950.1/38

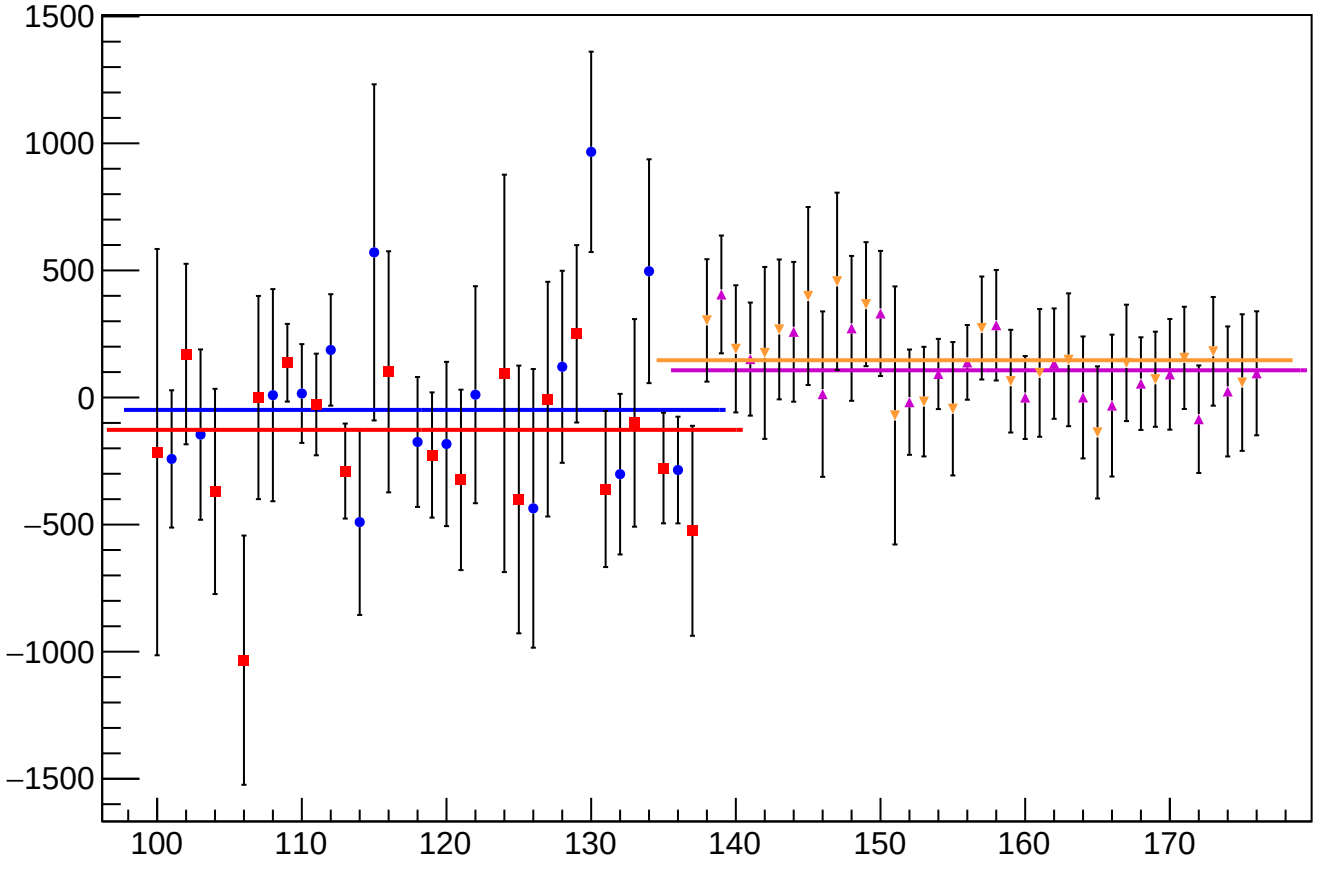
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 175.226+/-0.027 χ^2/NDF:3270023.0/34

Out: 168.559+/-0.026 χ^2/NDF:3726051.6/38

All: 171.730+/-0.019 χ^2/NDF: 7027371.4/73

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.099+/-48.331 χ^2/NDF:6.2/18

Left: 124.352+/-36.308 χ^2/NDF: 12.7/38

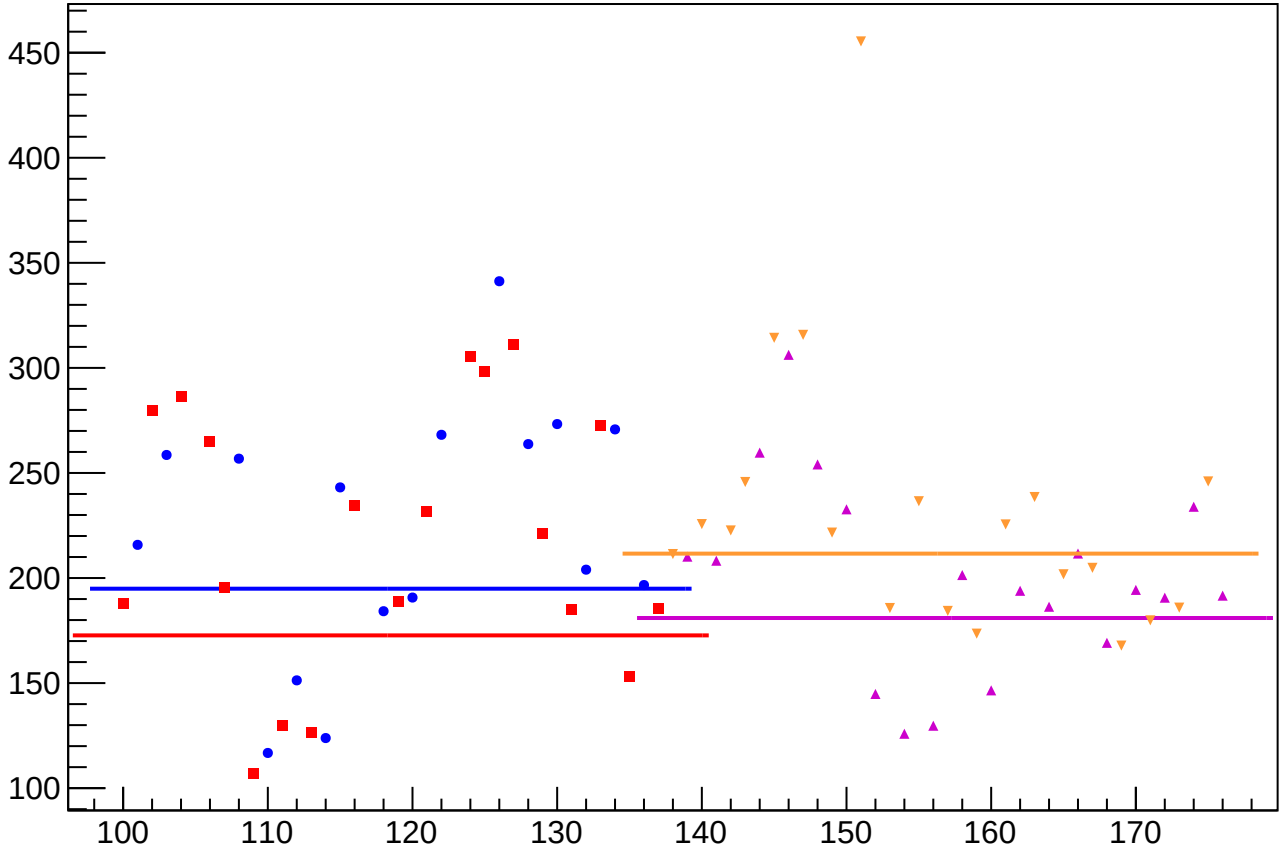
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.715+/-40.874 χ^2/NDF:24.6/34

Out: 39.307+/-42.893 χ^2/NDF:28.7/38

All: 51.575+/-29.590 χ^2/NDF: 53.5/73

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

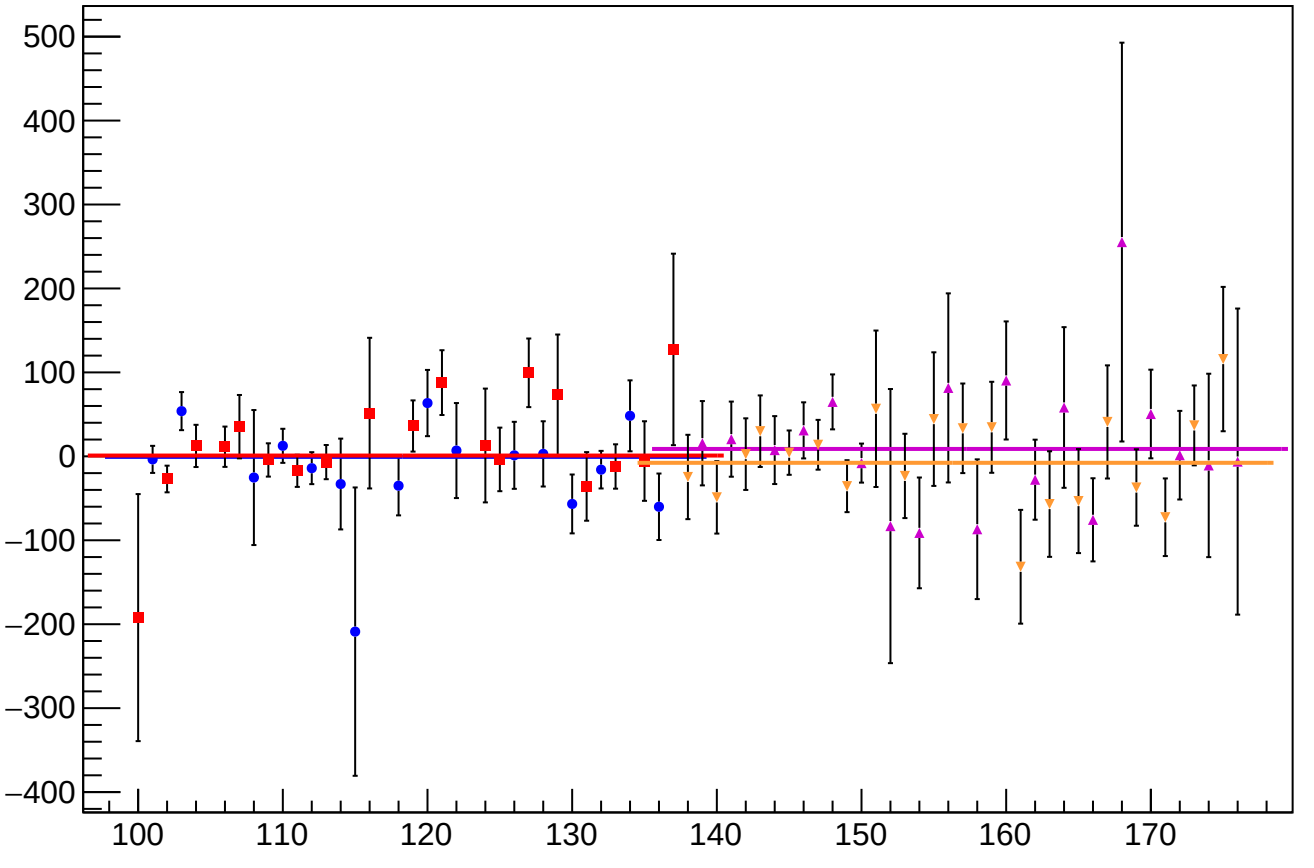
Left: 194.322+/-0.026 χ^2/NDF: 3223212.0/38

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.947+/-0.029 χ^2/NDF:2688900.8/34

Out: 196.361+/-0.030 χ^2/NDF:3284107.3/38

All: 190.379+/-0.021 χ^2/NDF: 6047231.4/73



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.713+/-10.268 χ^2/NDF:15.9/19

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 8.806+/-11.408 χ^2/NDF:15.2/18

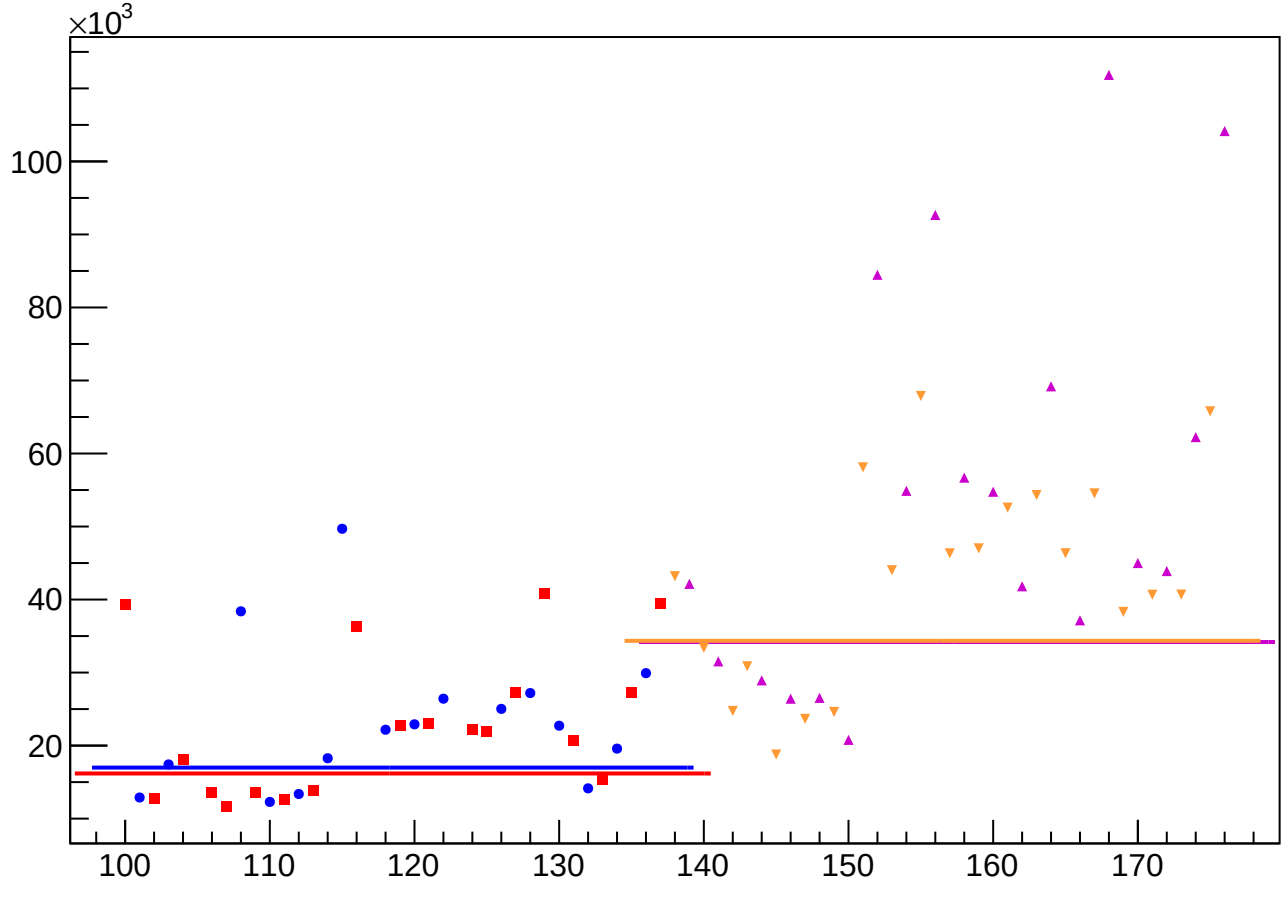
Left: -0.320+/-7.632 χ^2/NDF: 32.3/38

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.137+/-6.173 χ^2/NDF:34.6/34

Out: -1.682+/-5.650 χ^2/NDF:39.5/38

All: 0.059+/-4.168 χ^2/NDF: 74.3/73



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34349.199+/-7.261 χ^2/NDF:3055440.0/19

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 34184.474+/-8.067 χ^2/NDF:3332544.4/18

Left: 34275.477+/-5.397 χ^2/NDF: 6388214.8/38

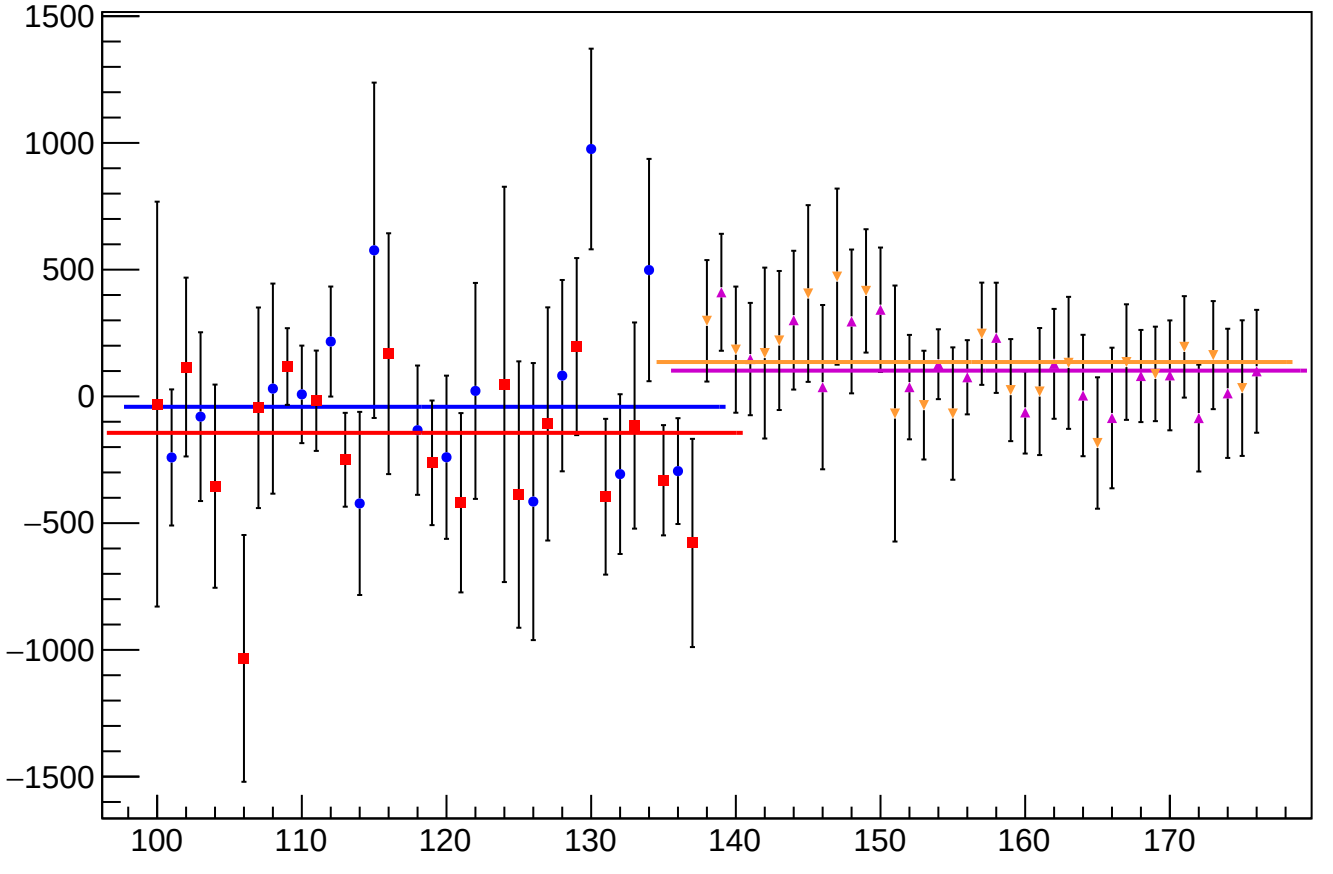
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 22021.691+/-4.365 χ^2/NDF:7741106.3/34

Out: 21683.243+/-3.995 χ^2/NDF:8672002.5/38

All: 21837.537+/-2.947 χ^2/NDF: 16416380.2

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 135.595+/-54.785 χ^2/NDF:7.5/19

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 101.651+/-48.155 χ^2/NDF:7.0/18

Left: 116.446+/-36.169 χ^2/NDF: 14.7/38

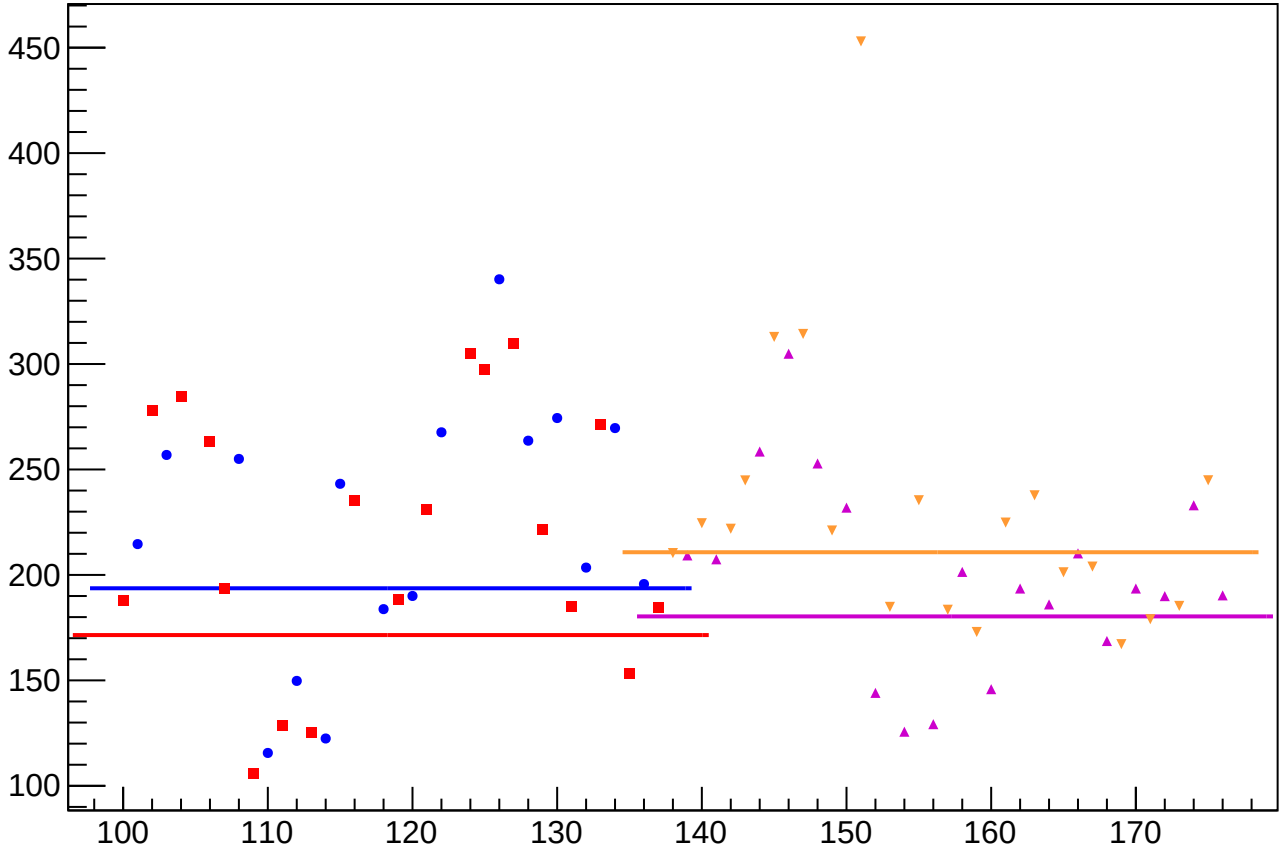
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 60.893+/-40.701 χ^2/NDF:24.9/34

Out: 25.772+/-42.682 χ^2/NDF:30.8/38

All: 44.166+/-29.455 χ^2/NDF: 56.1/73

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 210.761+/-0.039 χ^2/NDF:1258983.6/19

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 180.332+/-0.034 χ^2/NDF:1608671.6/18

Left: 193.595+/-0.026 χ^2/NDF: 3215723.2/38

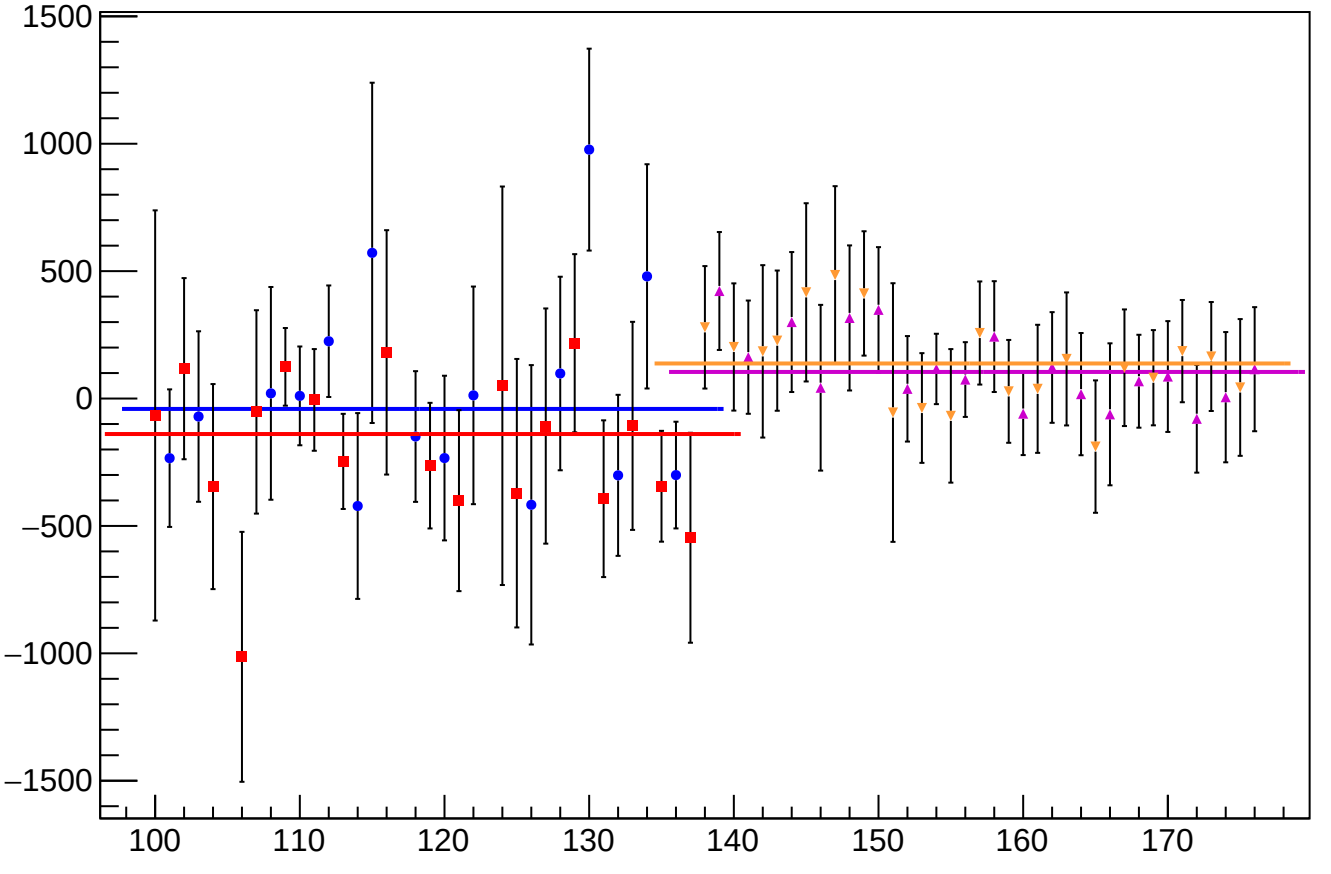
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 184.142+/-0.029 χ^2/NDF:2702271.4/34

Out: 195.323+/-0.030 χ^2/NDF:3316012.6/38

All: 189.467+/-0.021 χ^2/NDF: 6090172.5/73

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 137.606+/-54.956 χ^2/NDF:7.5/19

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 104.334+/-48.287 χ^2/NDF:7.1/18

Left: 118.830+/-36.274 χ^2/NDF: 14.8/38

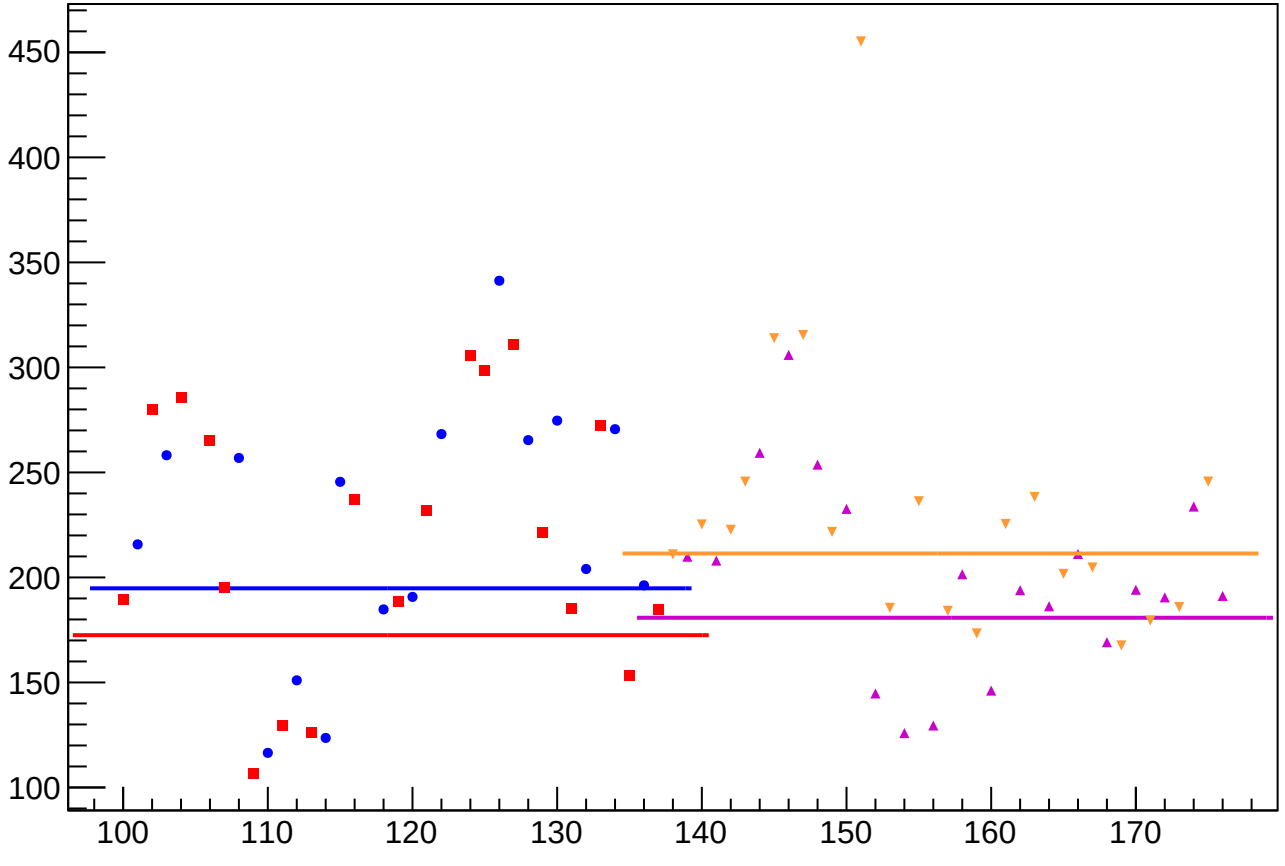
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 63.046+/-40.845 χ^2/NDF:25.0/34

Out: 29.096+/-42.856 χ^2/NDF:30.4/38

All: 46.886+/-29.567 χ^2/NDF: 55.7/73

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.398+/-0.039 χ^2/NDF:1262012.7/19

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.808+/-0.034 χ^2/NDF:1612691.9/18

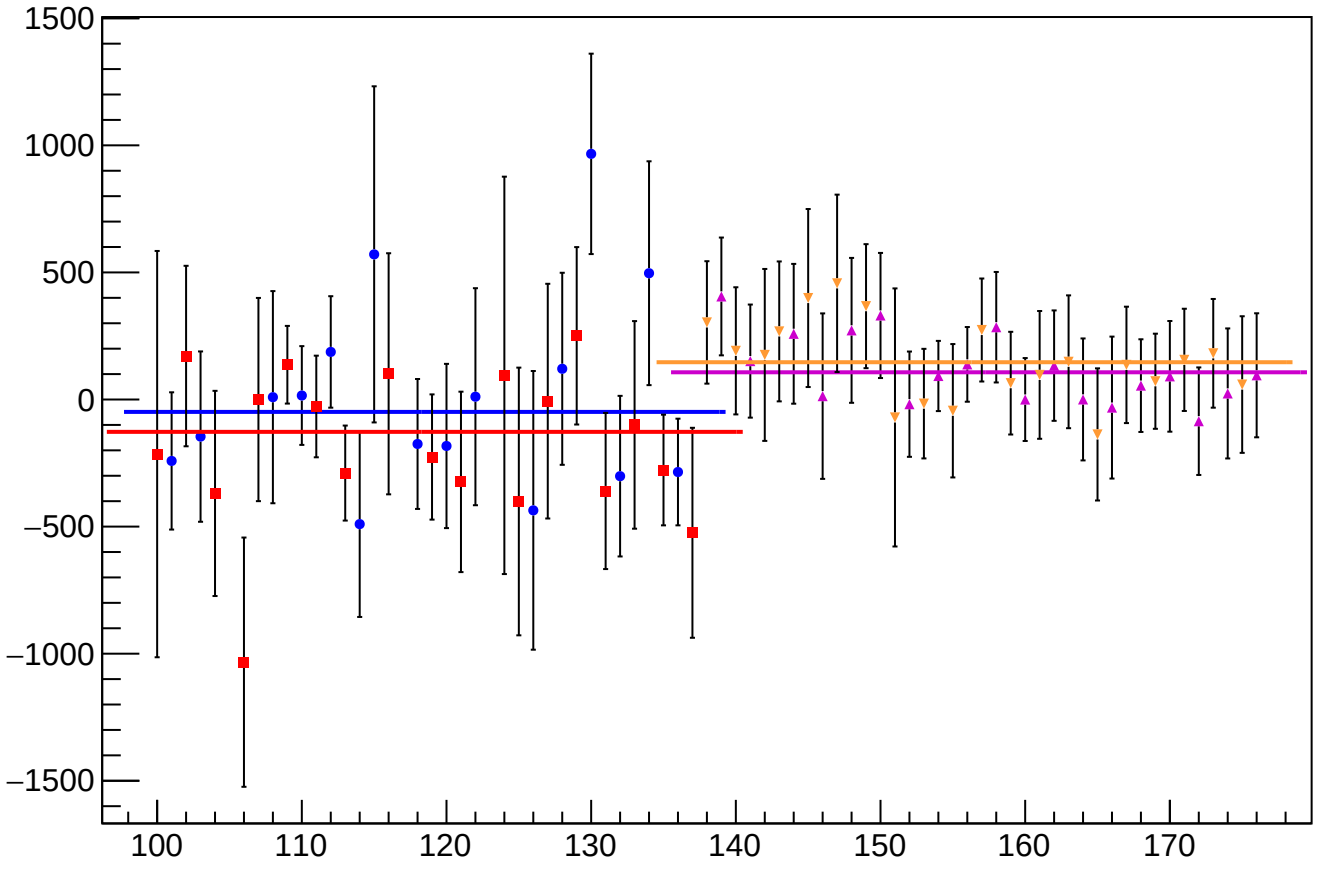
Left: 194.135+/-0.026 χ^2/NDF: 3224401.4/38

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.794+/-0.029 χ^2/NDF:2699696.3/34

Out: 196.157+/-0.030 χ^2/NDF:3296586.9/38

All: 190.203+/-0.021 χ^2/NDF: 6069965.5/73



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 146.703+/-55.010 χ^2/NDF:6.2/19

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.099+/-48.331 χ^2/NDF:6.2/18

Left: 124.352+/-36.308 χ^2/NDF: 12.7/38

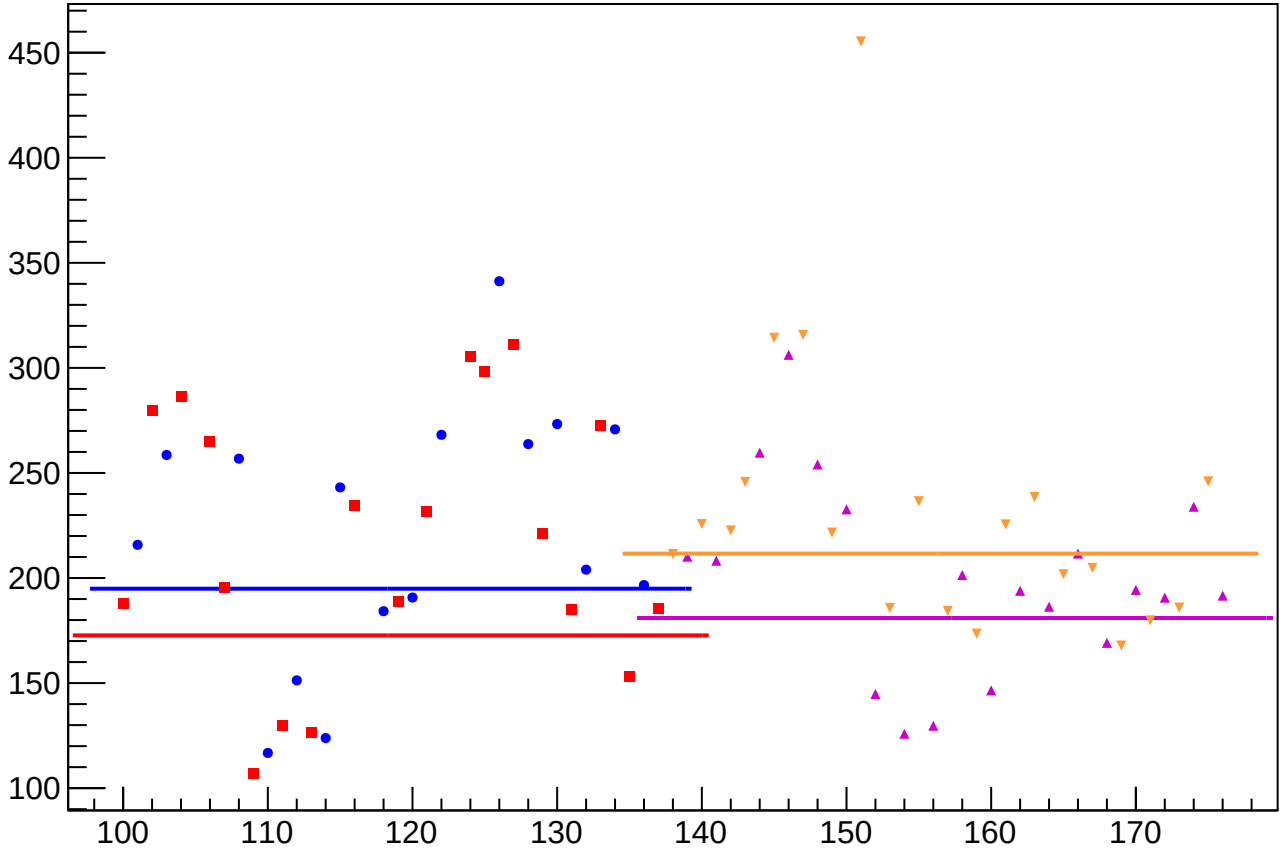
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.715+/-40.874 χ^2/NDF:24.6/34

Out: 39.307+/-42.893 χ^2/NDF:28.7/38

All: 51.575+/-29.590 χ^2/NDF: 53.5/73

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.615+/-0.039 χ^2/NDF:1260472.2/19

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

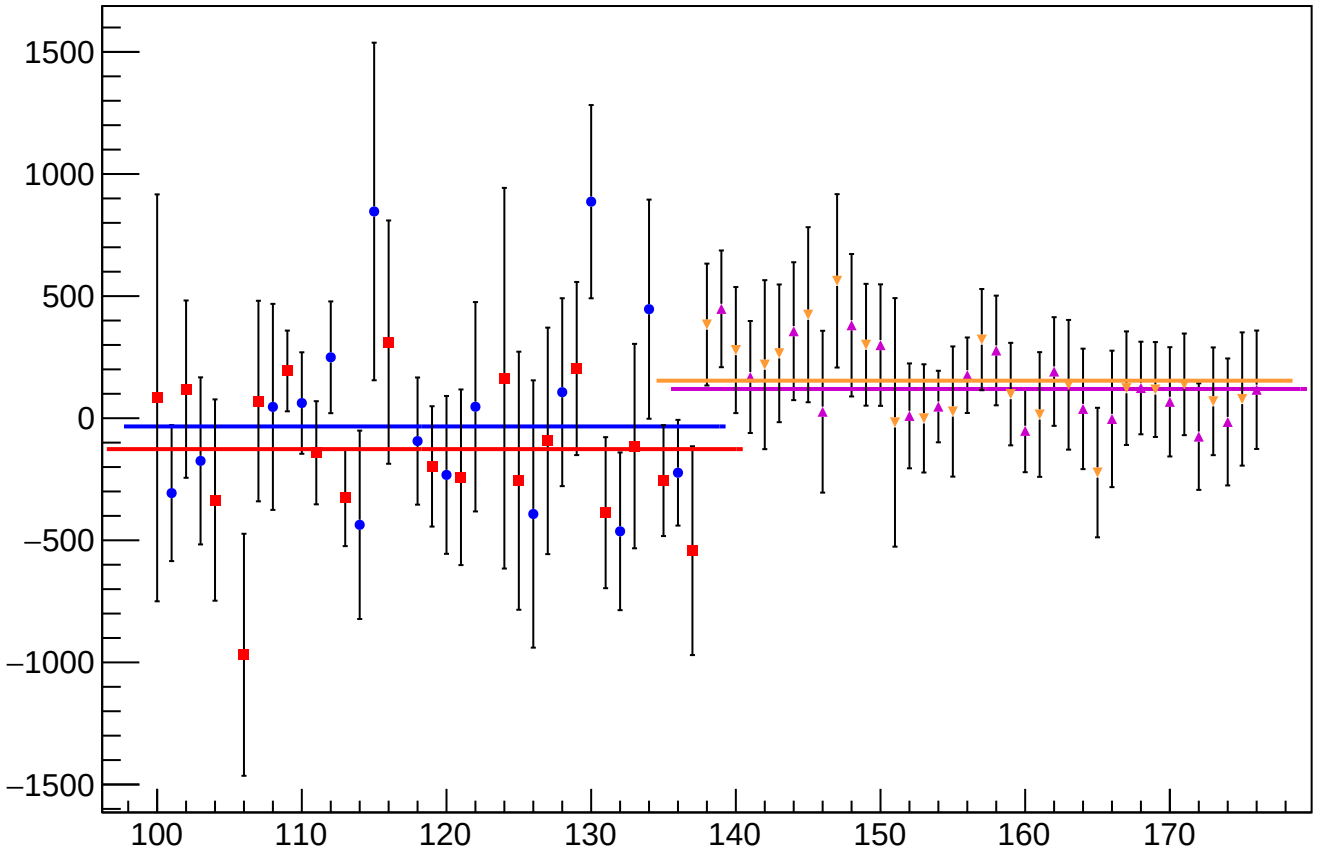
Left: 194.322+/-0.026 χ^2/NDF: 3223212.0/38

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.947+/-0.029 χ^2/NDF:2688900.8/34

Out: 196.361+/-0.030 χ^2/NDF:3284107.3/38

All: 190.379+/-0.021 χ^2/NDF: 6047231.4/73



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 153.686+/-56.450 χ^2/NDF:7.7/19

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 119.713+/-49.951 χ^2/NDF:7.7/18

Left: 134.632+/-37.408 χ^2/NDF: 15.6/38

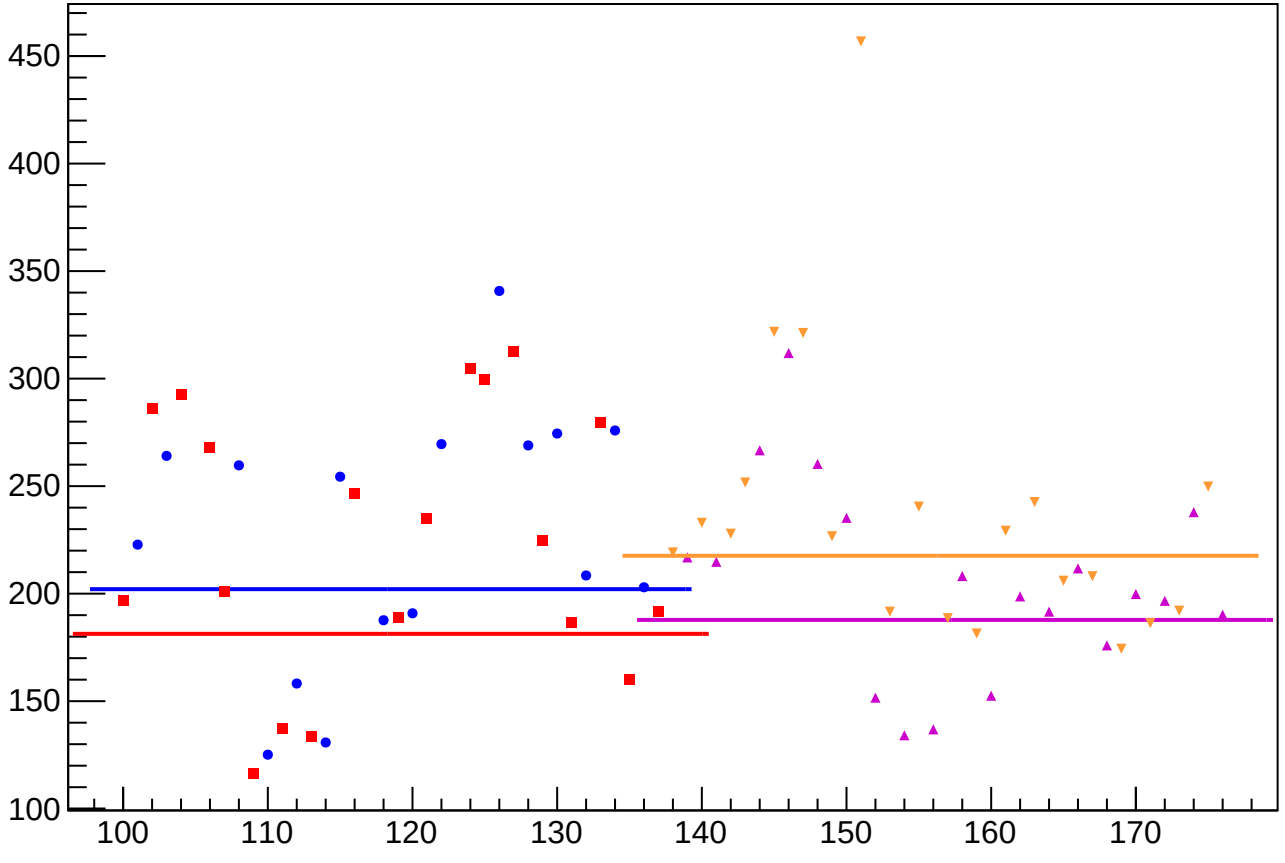
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 75.885+/-42.219 χ^2/NDF:26.2/34

Out: 45.721+/-44.260 χ^2/NDF:29.8/38

All: 61.514+/-30.549 χ^2/NDF: 56.2/73

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.617+/-0.040 χ^2/NDF:1190245.0/19

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.793+/-0.035 χ^2/NDF:1446047.2/18

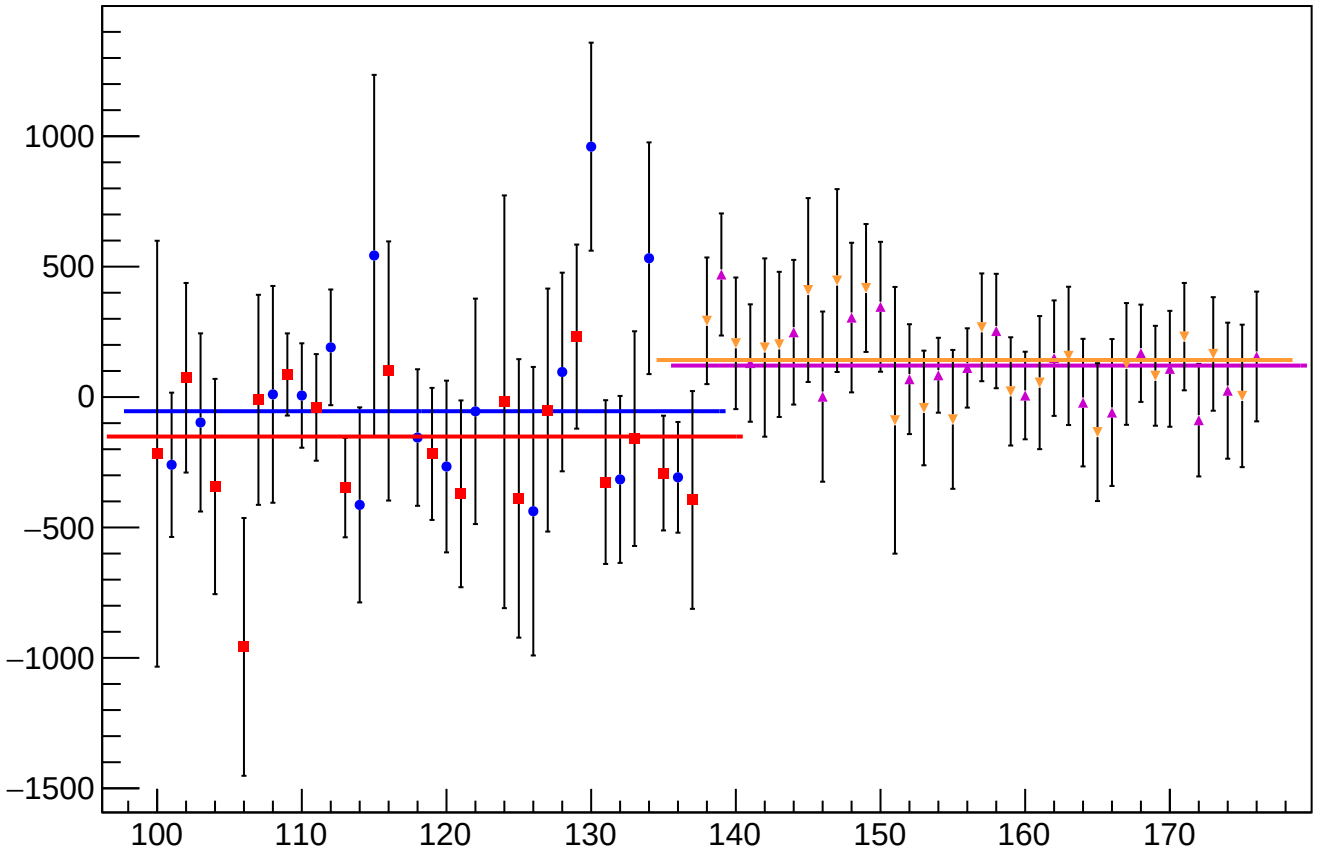
Left: 200.890+/-0.026 χ^2/NDF: 2949384.6/38

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.877+/-0.030 χ^2/NDF:2403102.9/34

Out: 203.631+/-0.031 χ^2/NDF:2949927.2/38

All: 197.477+/-0.022 χ^2/NDF: 5426879.4/73



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 141.992+/-55.911 χ^2/NDF:7.2/19

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 120.705+/-49.365 χ^2/NDF:6.7/18

Left: 130.030+/-37.006 χ^2/NDF: 14.0/38

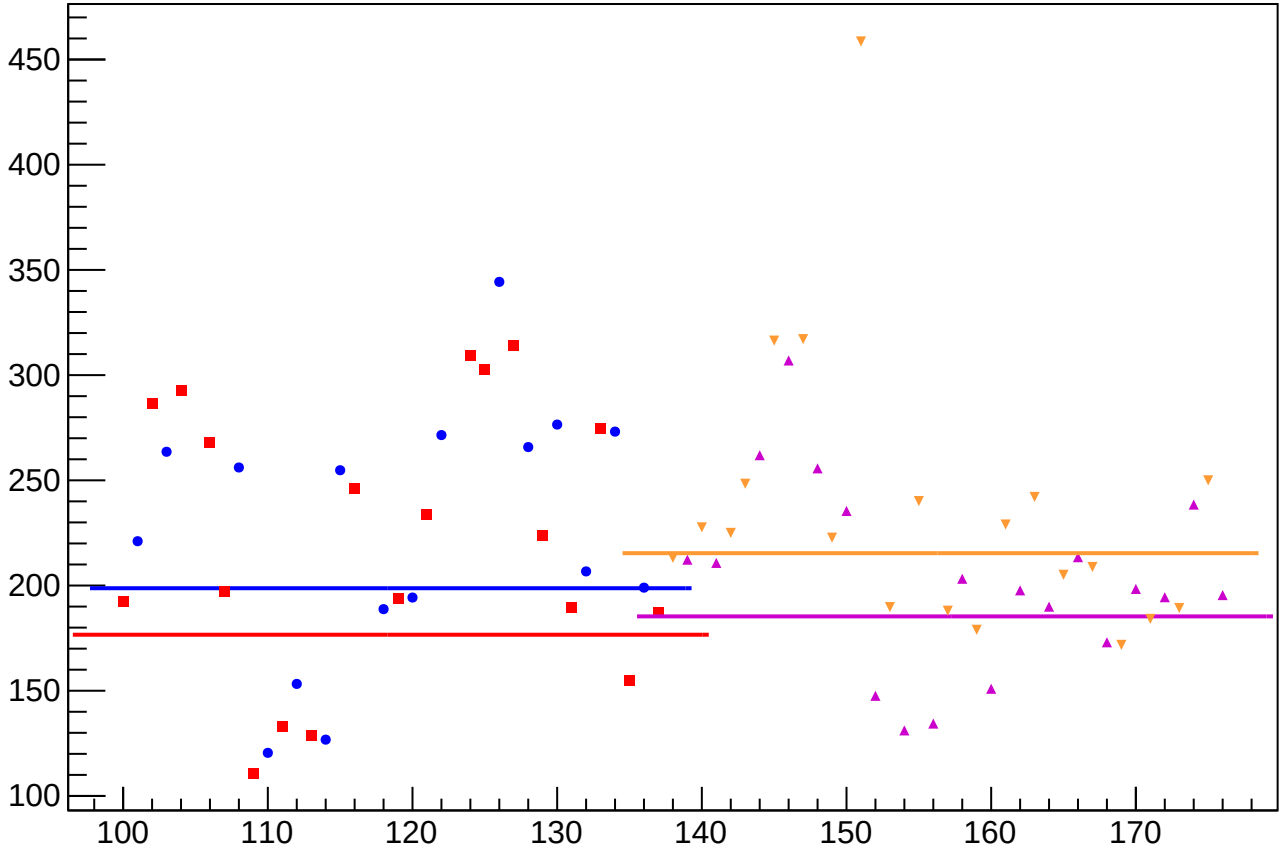
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 70.618+/-41.705 χ^2/NDF:25.4/34

Out: 27.539+/-43.663 χ^2/NDF:28.2/38

All: 50.066+/-30.158 χ^2/NDF: 54.1/73

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.384+/-0.040 χ^2/NDF:1203764.7/19

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 185.339+/-0.035 χ^2/NDF:1487225.5/18

Left: 198.500+/-0.026 χ^2/NDF: 3015539.1/38

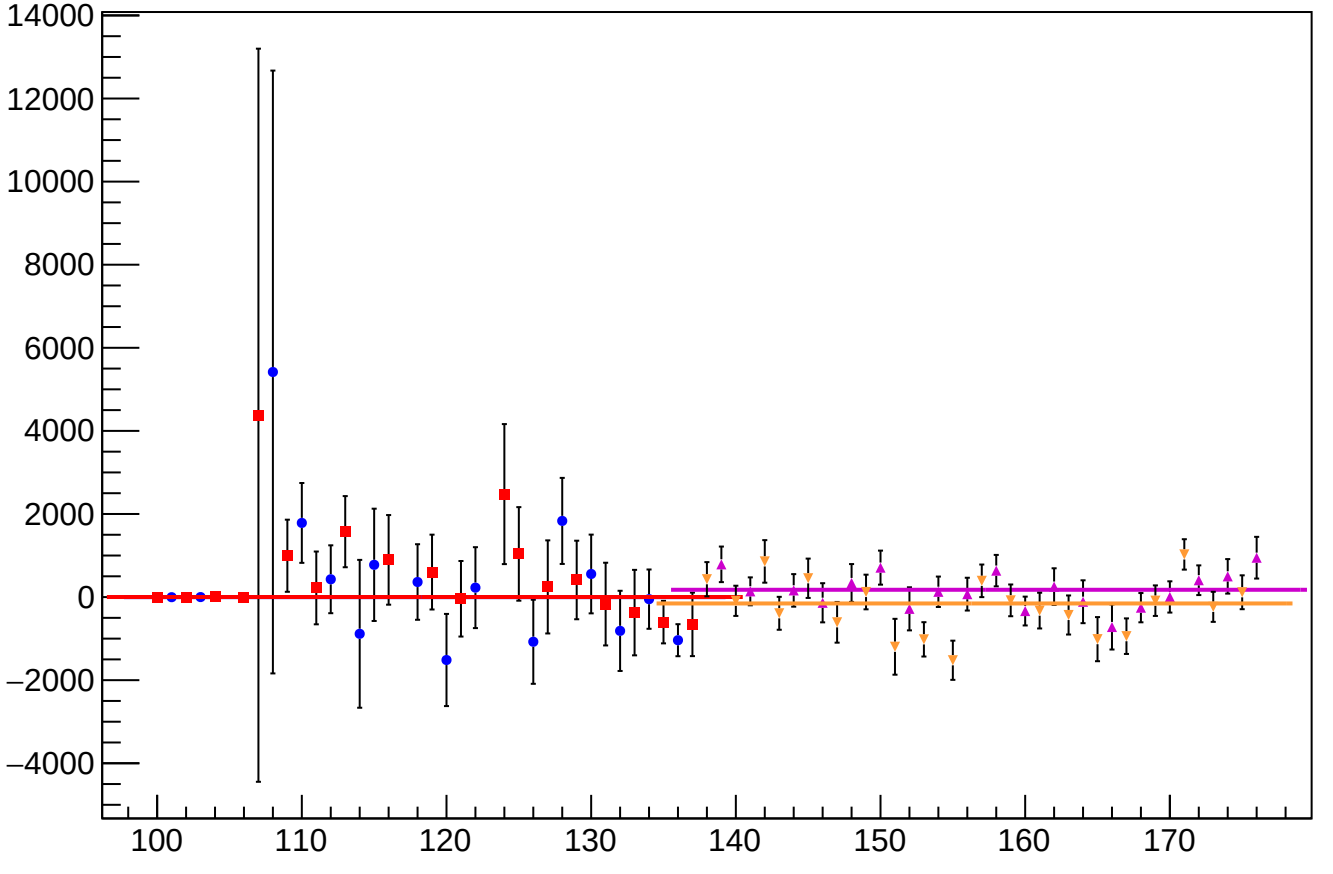
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 189.169+/-0.029 χ^2/NDF:2523355.1/34

Out: 200.261+/-0.031 χ^2/NDF:3174533.0/38

All: 194.461+/-0.021 χ^2/NDF: 5765377.9/73

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -153.710+/-94.749 χ^2/NDF:43.8/19

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 175.636+/-93.653 χ^2/NDF:17.0/18

Left: 12.880+/-66.607 χ^2/NDF: 66.9/38

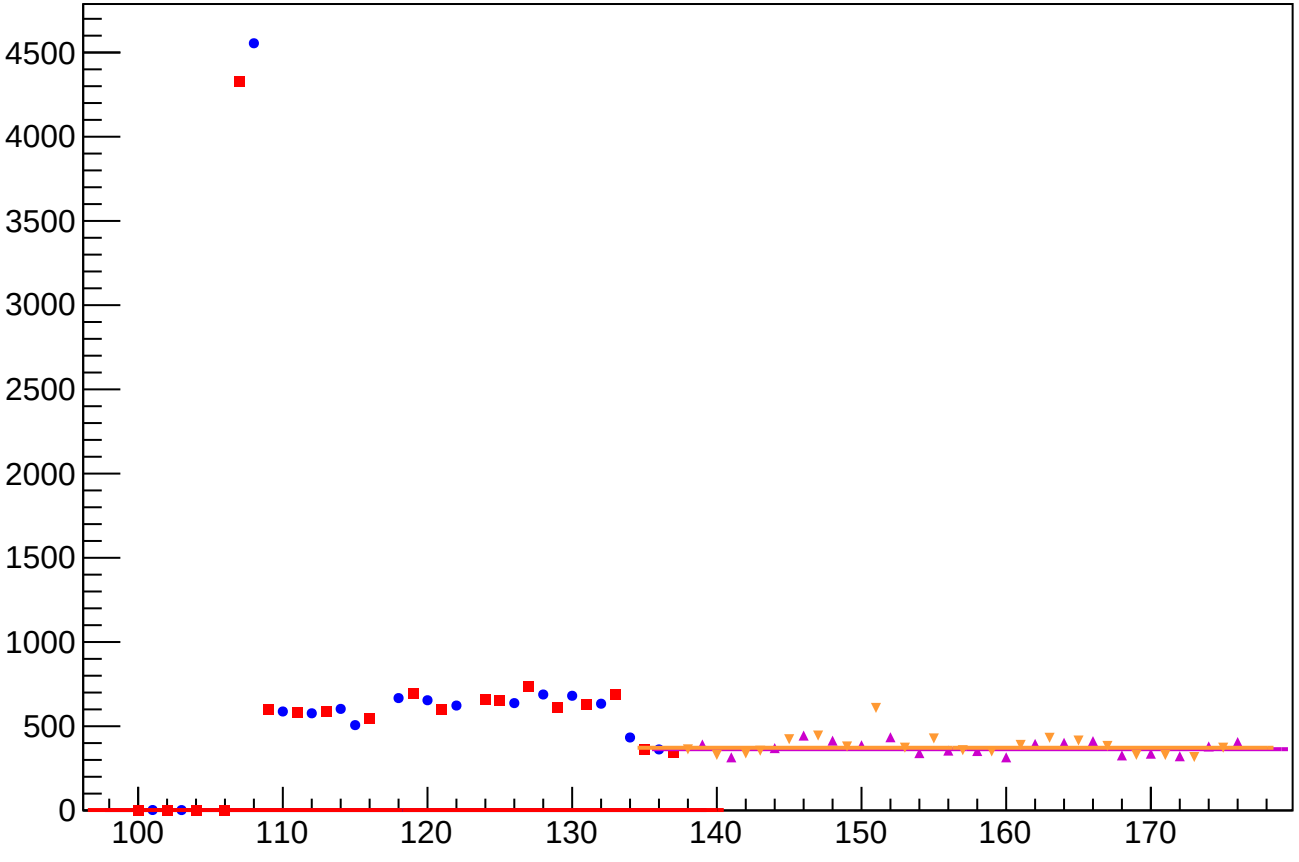
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.144+/-2.170 χ^2/NDF:40.5/34

Out: 1.307+/-2.022 χ^2/NDF:63.3/38

All: 0.168+/-1.479 χ^2/NDF: 104.5/73

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.150+/-0.067 χ^2/NDF:542361.5/19

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 363.741+/-0.066 χ^2/NDF:340207.2/18

Left: 367.897+/-0.047 χ^2/NDF: 890538.1/38

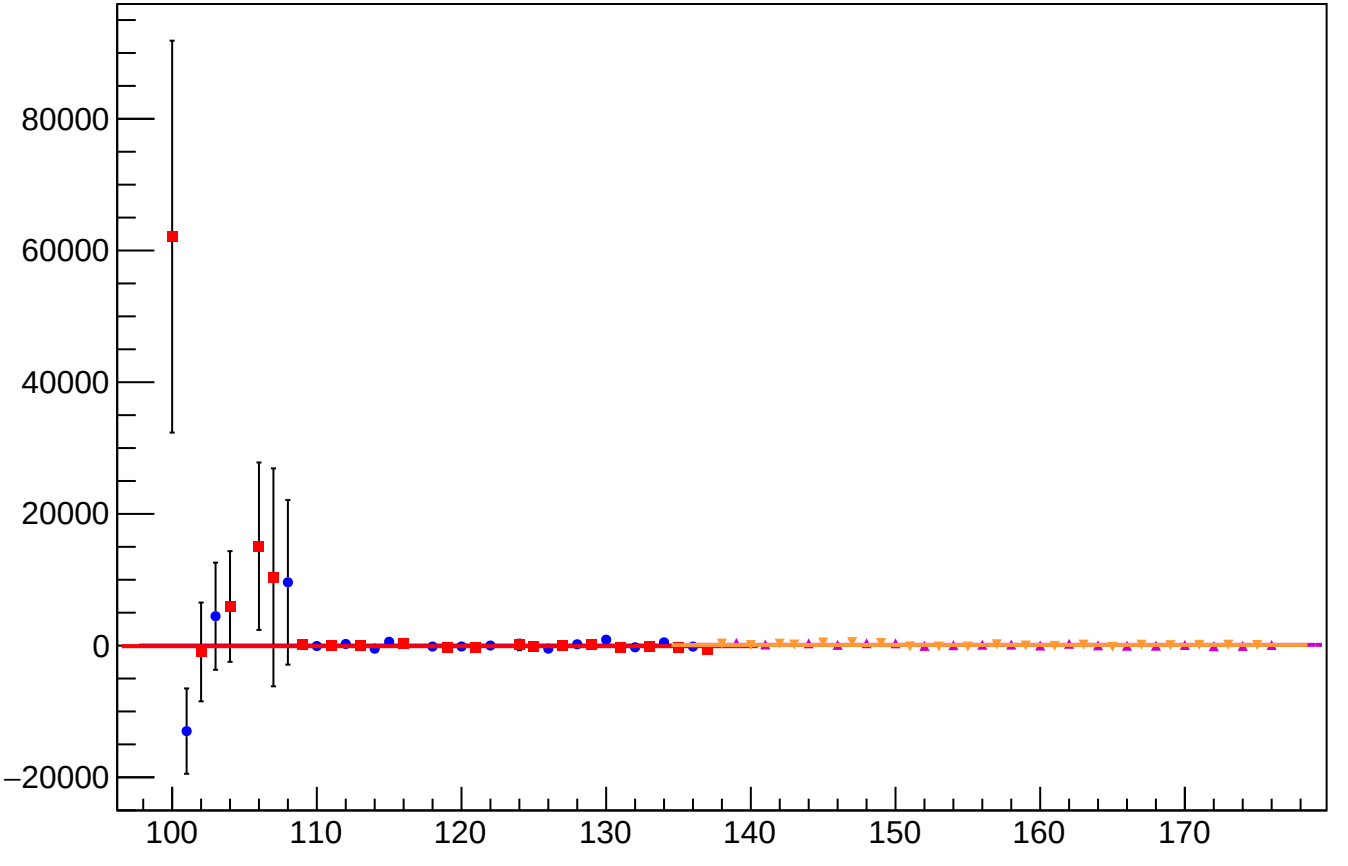
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.671+/-0.002 χ^2/NDF:41710921.5/34

Out: 2.631+/-0.001 χ^2/NDF:42521402.2/38

All: 2.649+/-0.001 χ^2/NDF: 84232690.7/73

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.206+/-58.371 χ^2/NDF:8.3/19

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 114.861+/-52.079 χ^2/NDF:7.2/18

Left: 108.366+/-38.860 χ^2/NDF: 15.5/38

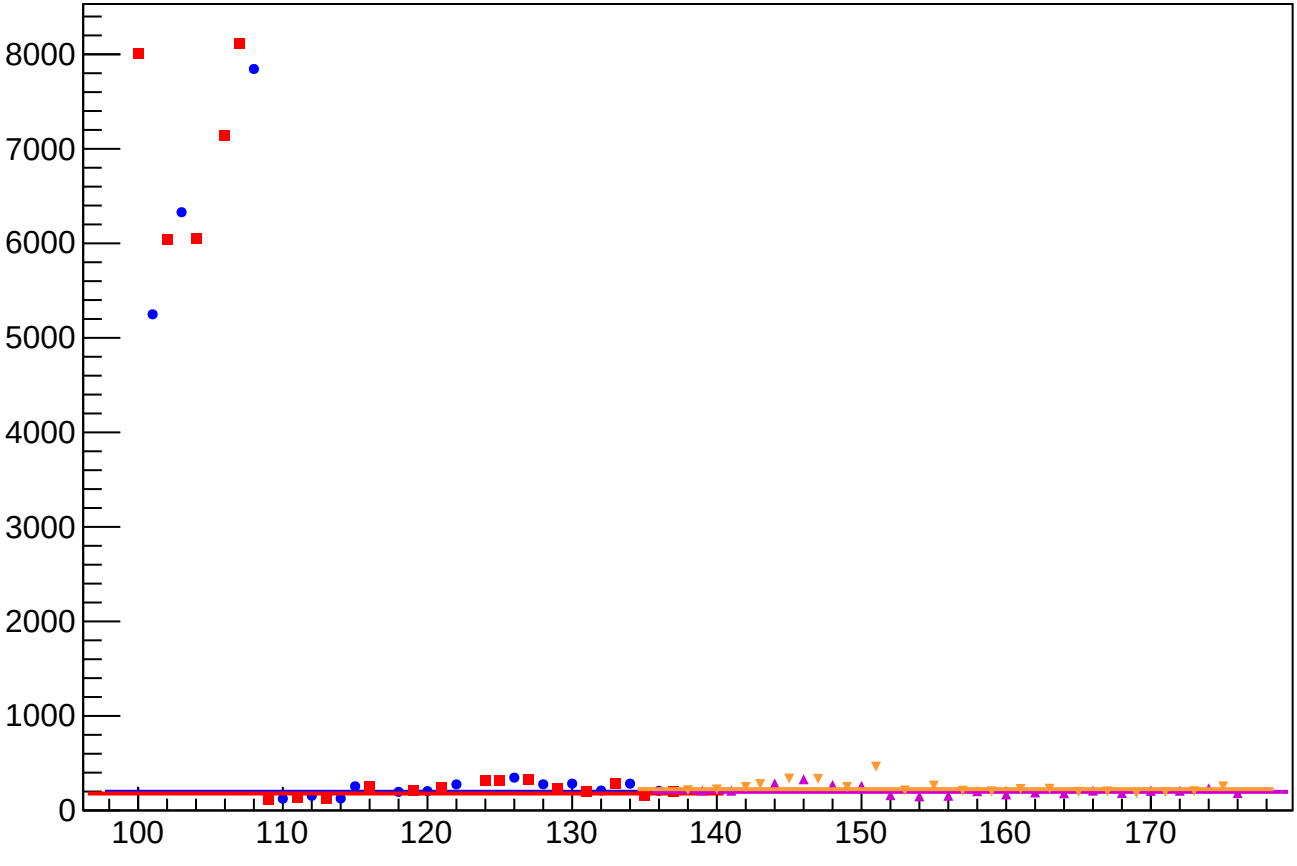
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 85.128+/-44.795 χ^2/NDF:25.3/34

Out: 36.474+/-47.476 χ^2/NDF:26.7/38

All: 62.214+/-32.581 χ^2/NDF: 52.5/73

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.340+/-0.041 χ^2/NDF:1162245.7/19

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 196.985+/-0.037 χ^2/NDF:1143064.5/18

Left: 209.552+/-0.027 χ^2/NDF: 2568090.6/38

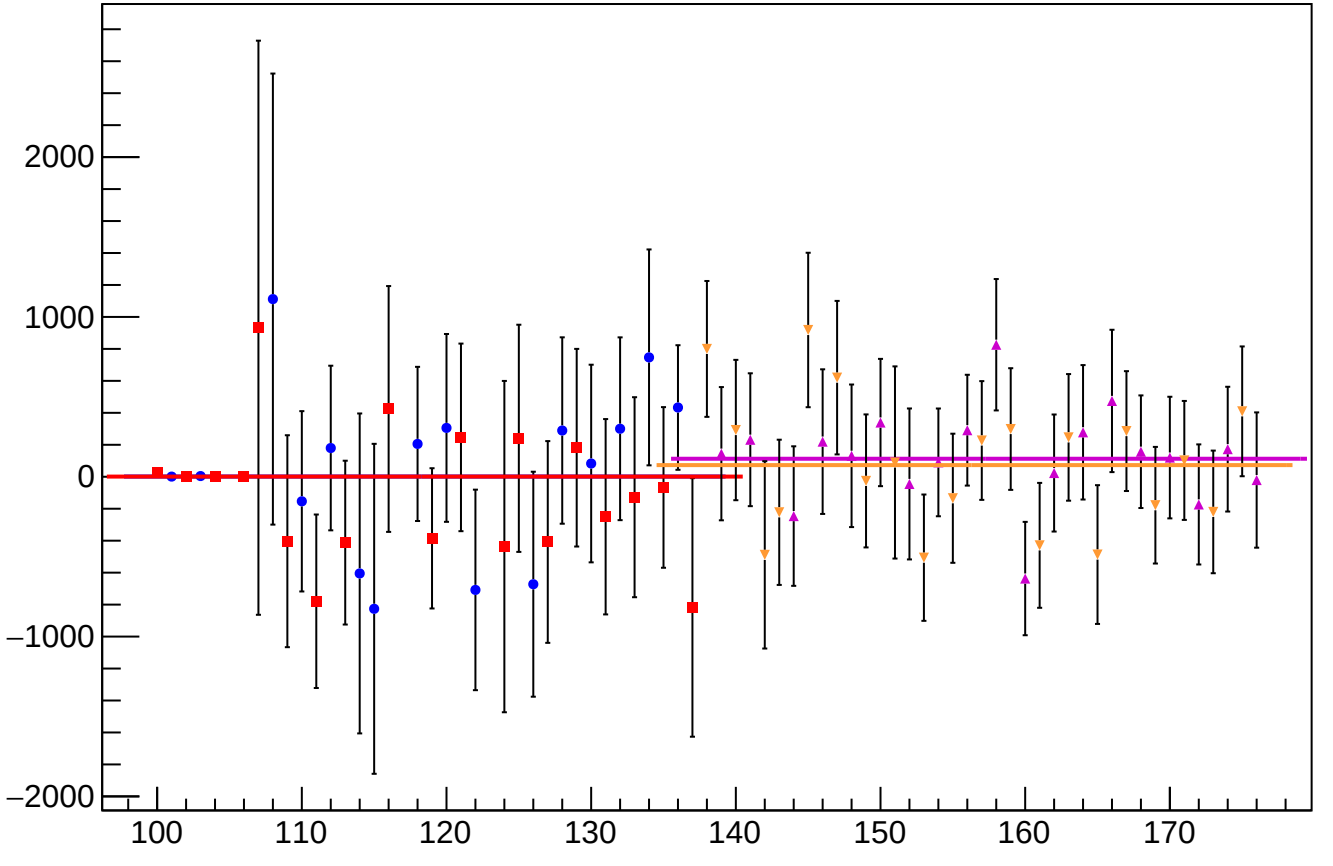
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 197.150+/-0.032 χ^2/NDF:5100334.5/34

Out: 209.740+/-0.034 χ^2/NDF:6002722.6/38

All: 203.079+/-0.023 χ^2/NDF: 11177465.6/73

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.849+/-93.149 χ^2/NDF:17.4/19

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 112.669+/-90.975 χ^2/NDF:10.6/18

Left: 93.229+/-65.084 χ^2/NDF: 28.1/38

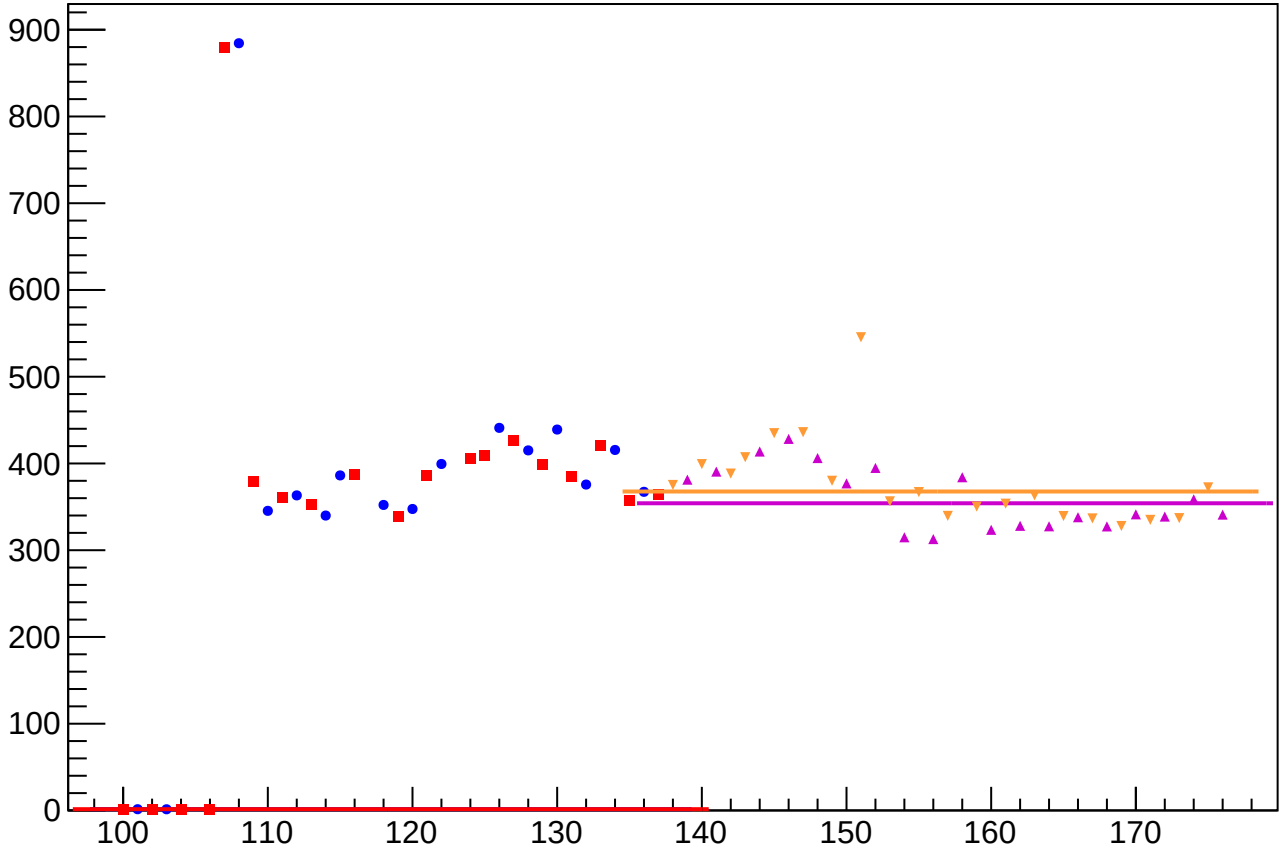
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:20.0/34

Out: 1.113+/-1.528 χ^2/NDF:27.2/38

All: 1.287+/-1.124 χ^2/NDF: 47.2/73

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.678+/-0.066 χ^2/NDF:379118.7/19

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.118+/-0.064 χ^2/NDF:284769.8/18

Left: 360.738+/-0.046 χ^2/NDF: 685580.5/38

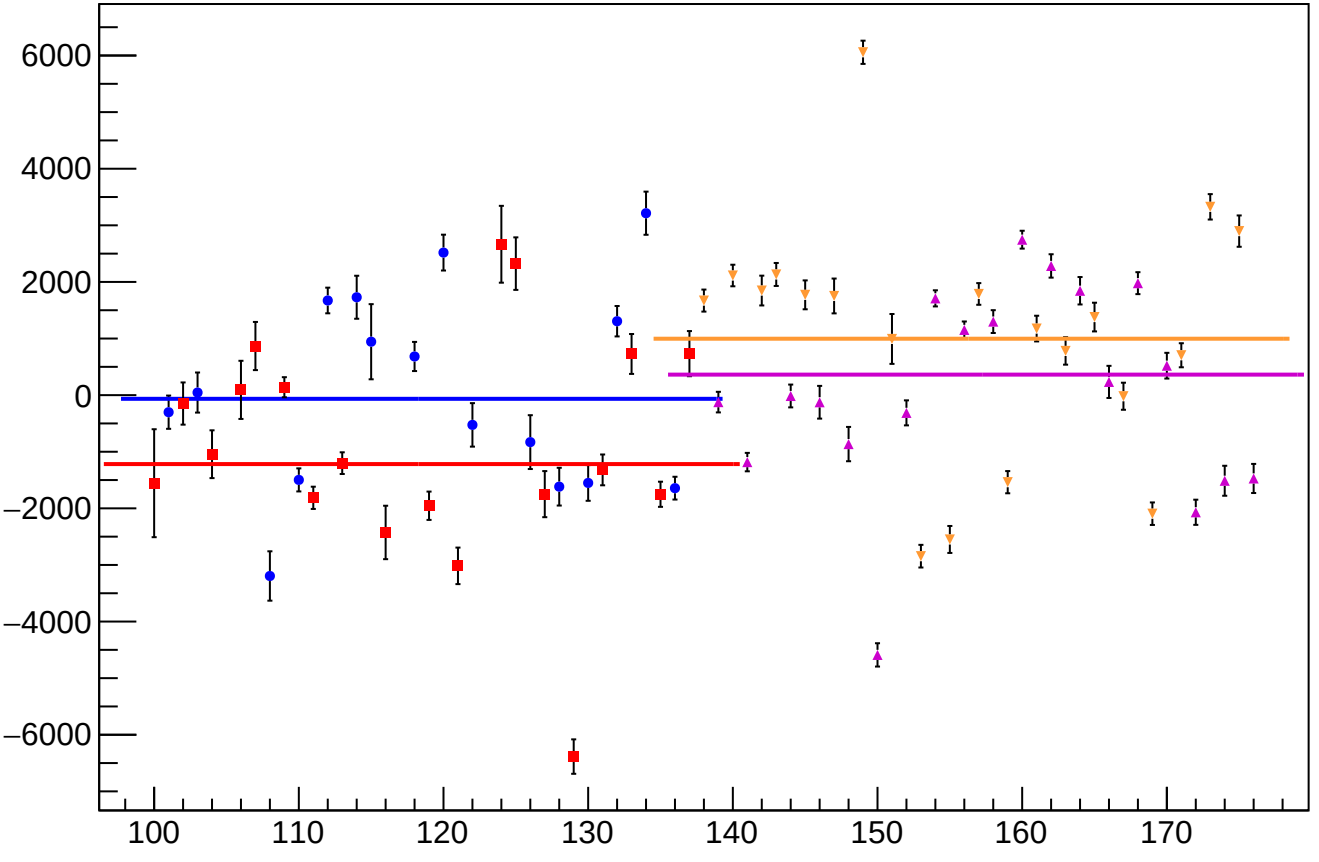
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.588+/-0.001 χ^2/NDF:42061909.2/34

Out: 1.566+/-0.001 χ^2/NDF:42553907.3/38

All: 1.576+/-0.001 χ^2/NDF: 84616005.8/73

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 996.842+/-50.436 χ^2/NDF:1906.3/19

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 362.510+/-46.262 χ^2/NDF:1489.5/18

Left: 652.349+/-34.092 χ^2/NDF: 3481.6/38

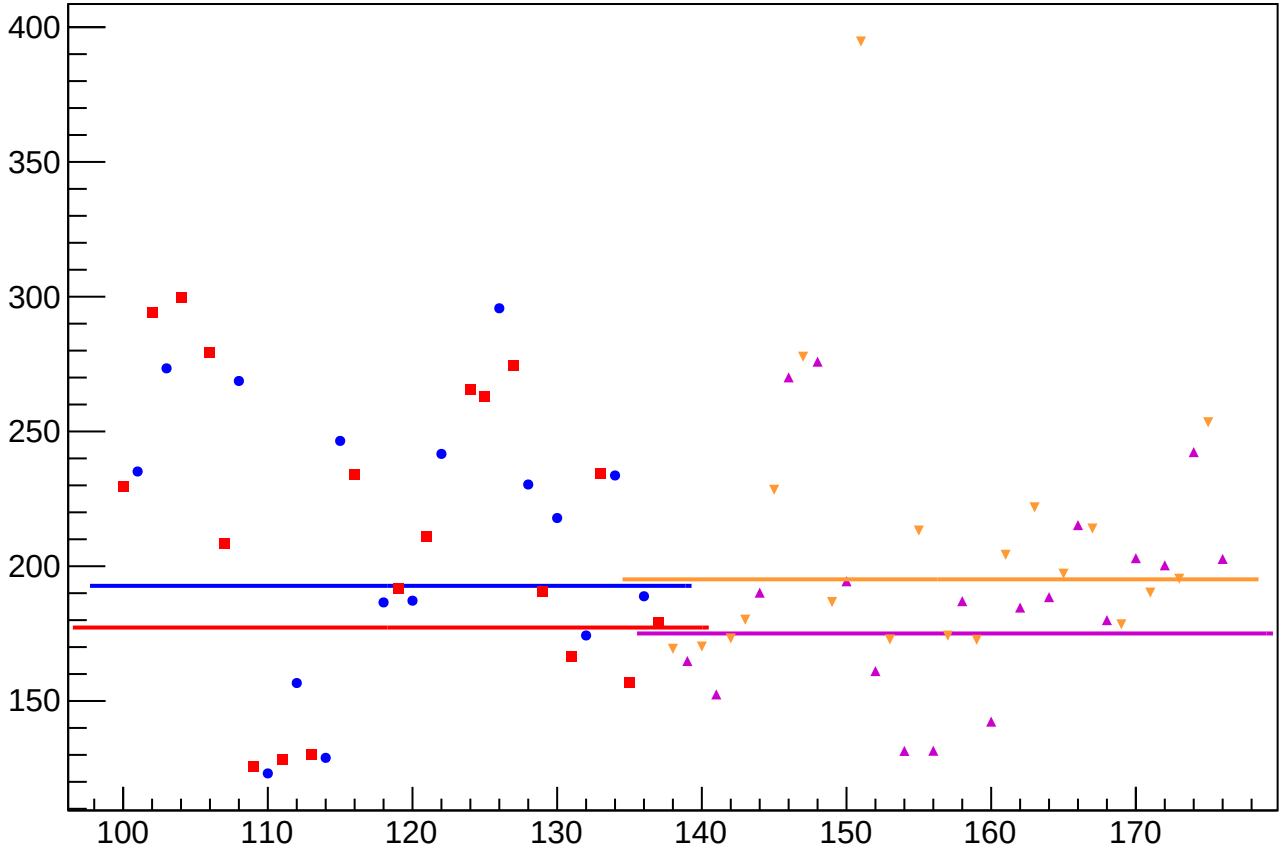
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 244.445+/-39.359 χ^2/NDF:1982.5/34

Out: 225.940+/-40.722 χ^2/NDF:3172.0/38

All: 235.508+/-28.301 χ^2/NDF: 5154.6/73

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 195.133+/-0.036 χ^2/NDF:916159.6/19

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 175.052+/-0.033 χ^2/NDF:1231088.0/18

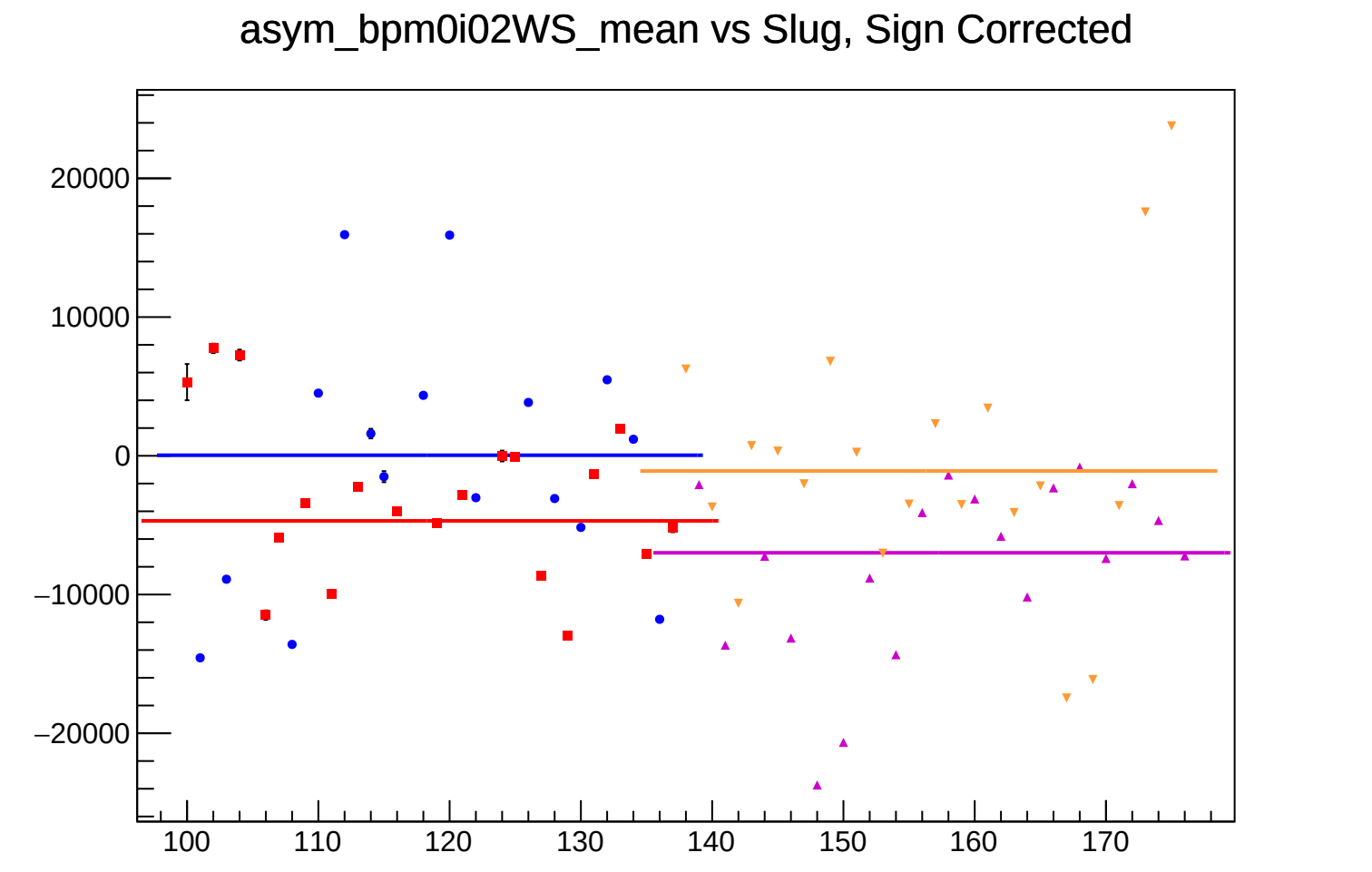
Left: 184.228+/-0.024 χ^2/NDF: 2319420.1/38

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

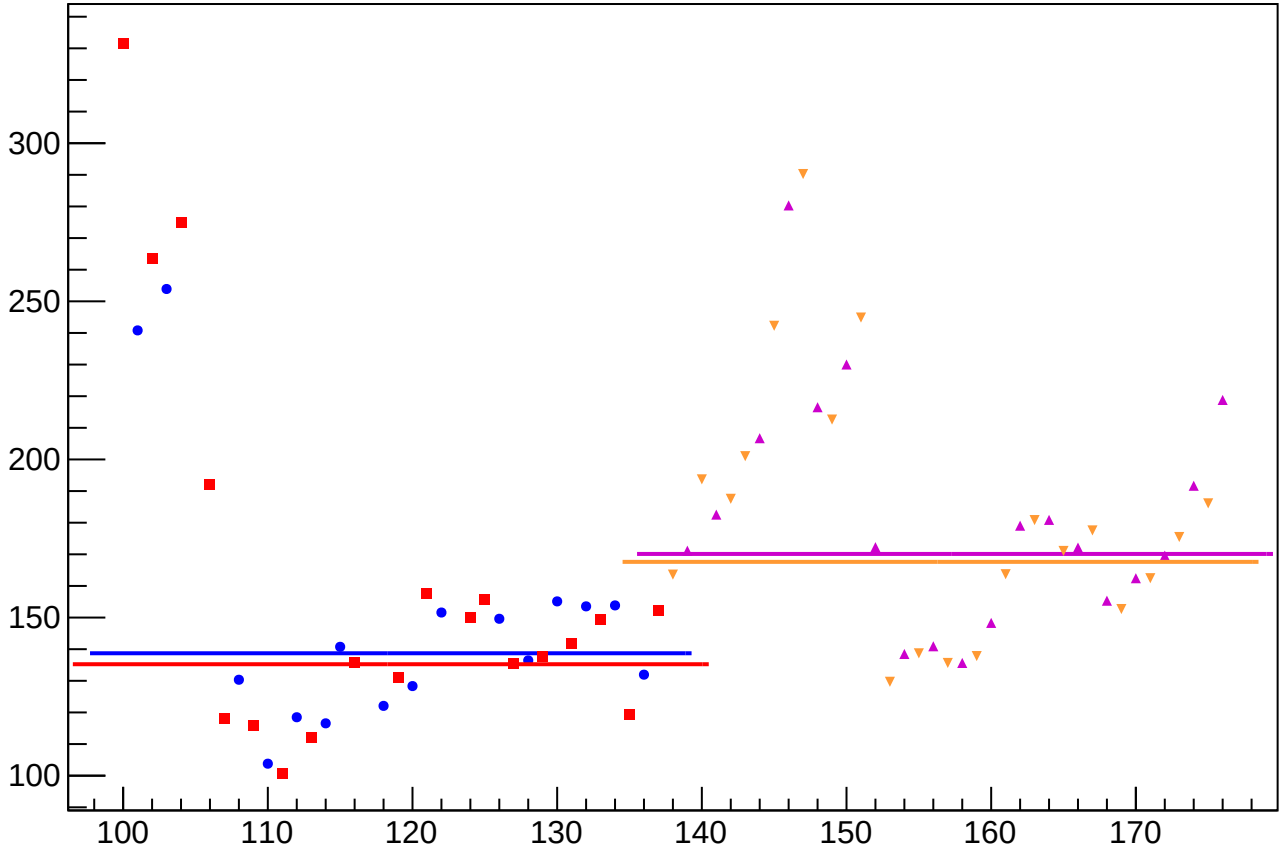
In: 179.932+/-0.028 χ^2/NDF:2070784.6/34

Out: 188.909+/-0.029 χ^2/NDF:2229849.4/38

All: 184.267+/-0.020 χ^2/NDF: 4350884.1/73


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -1094.660+/-43.346 χ²/NDF:46148.1/19
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -6991.813+/-44.595 χ²/NDF:17738.2/18
Left: -3959.442+/-31.082 χ²/NDF: 72878.0/38
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4152.660+/-34.437 χ²/NDF:58564.4/34
Out: -2565.360+/-33.320 χ²/NDF:56757.9/38
All: -3332.860+/-23.946 χ²/NDF: 116419.6/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

Left: 168.832+/-0.022 χ^2/NDF: 2134540.5/38

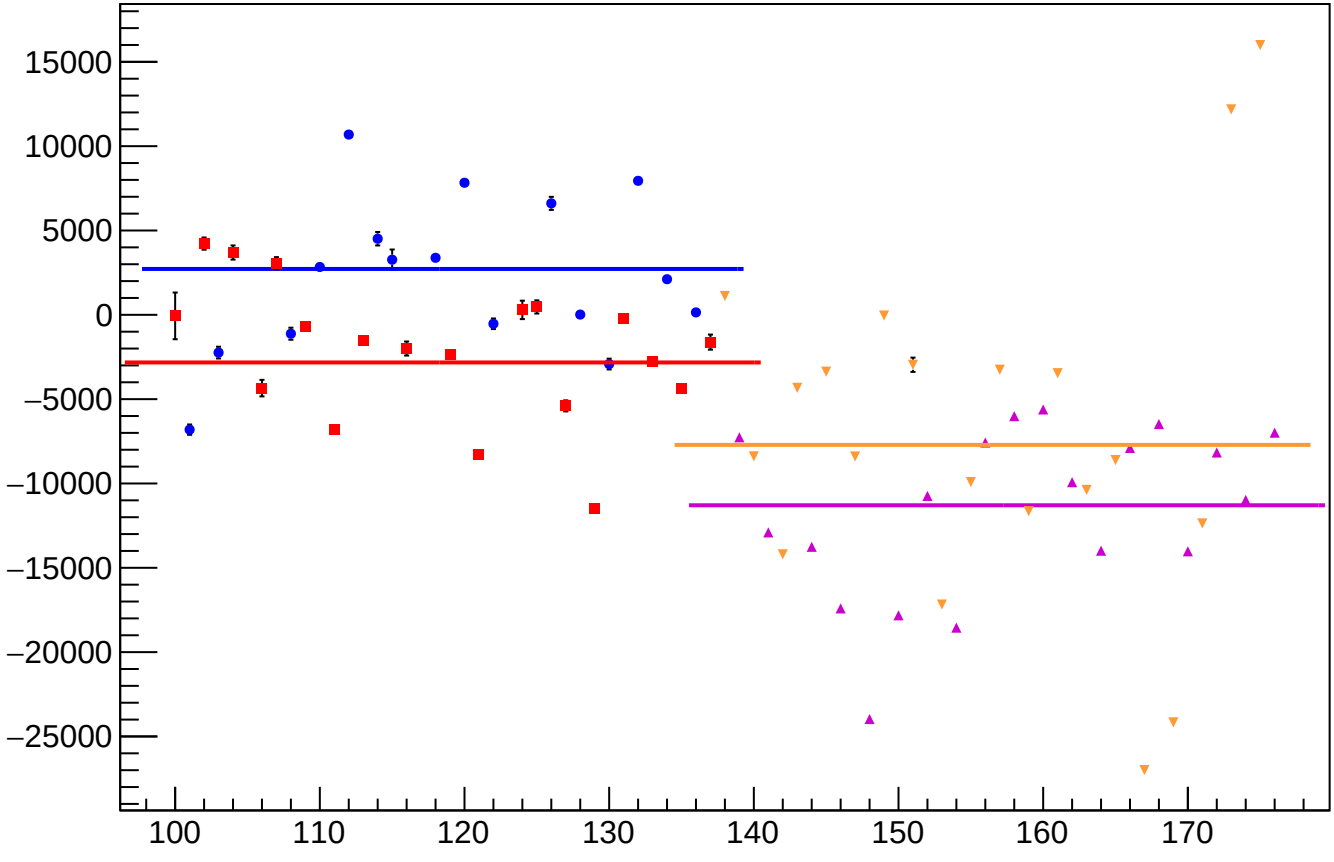
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 157.441+/-0.024 χ^2/NDF:2010028.3/34

Out: 154.373+/-0.024 χ^2/NDF:2525869.7/38

All: 155.856+/-0.017 χ^2/NDF: 4544095.3/73

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11291.807+/-47.500 χ^2/NDF:10841.7/18

Left: -9625.609+/-34.728 χ^2/NDF: 52633.9/38

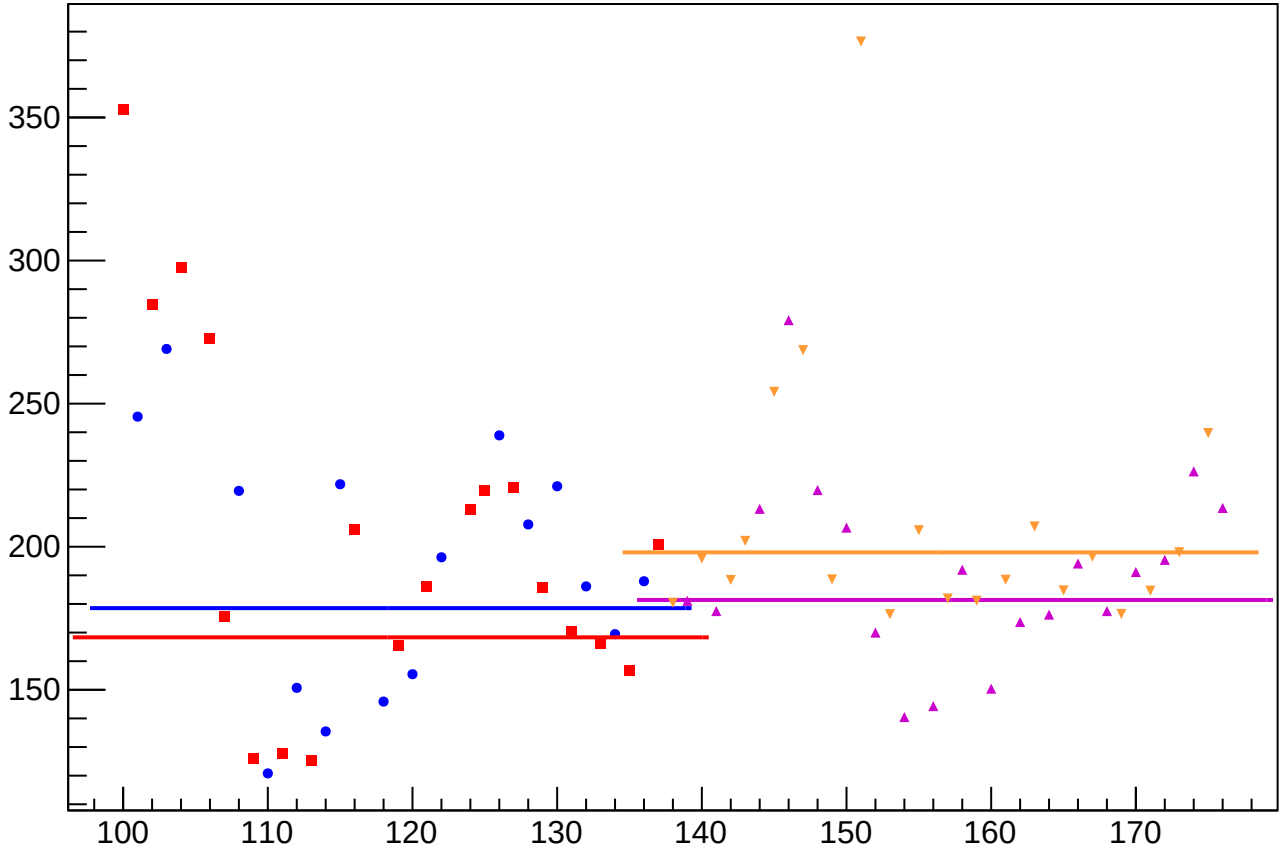
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6808.465+/-39.170 χ^2/NDF:42813.5/34

Out: -5848.556+/-40.041 χ^2/NDF:45727.5/38

All: -6339.058+/-28.000 χ^2/NDF: 88834.7/73

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

Left: 189.135+/-0.025 χ^2/NDF: 1611615.6/38

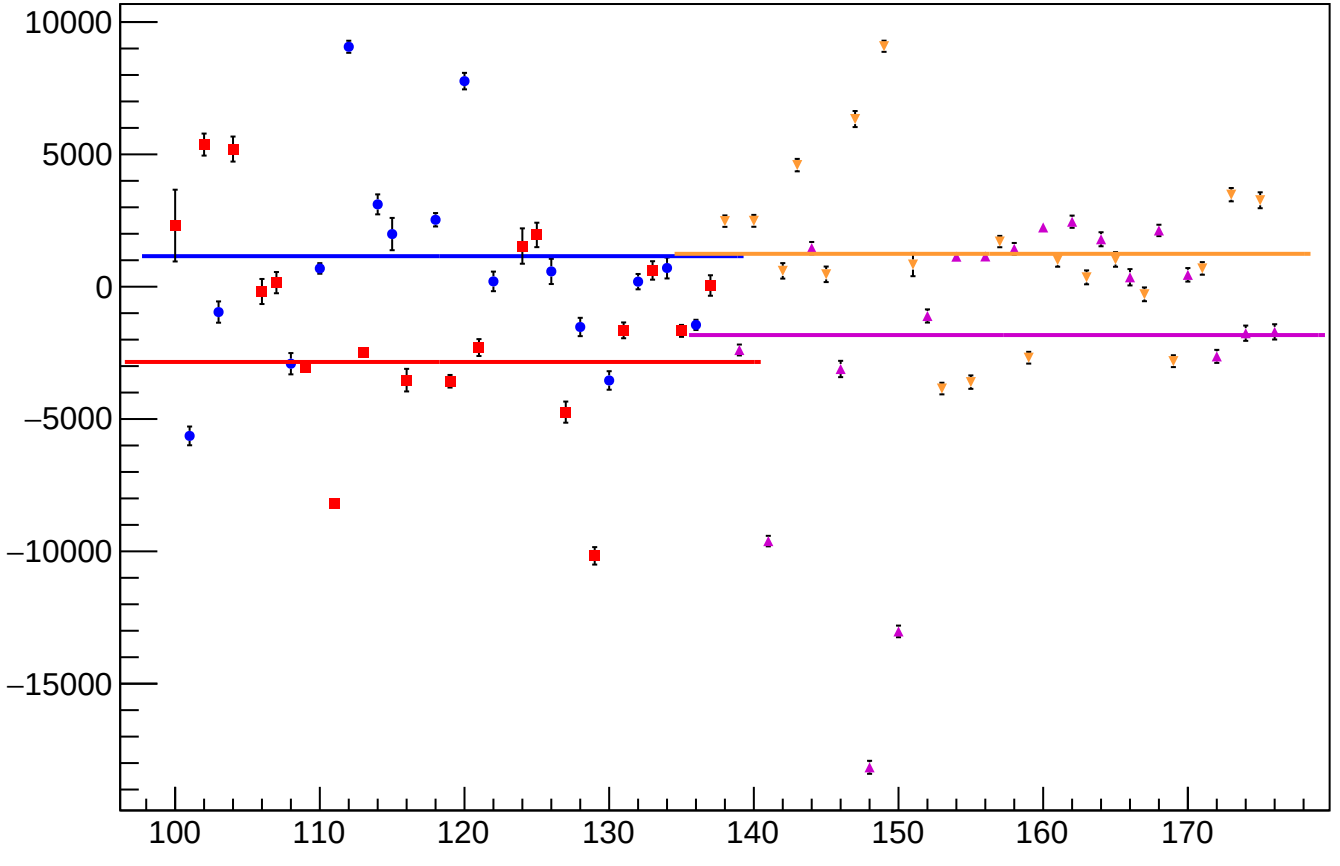
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 180.479+/-0.028 χ^2/NDF:1457388.9/34

Out: 186.709+/-0.028 χ^2/NDF:1955832.1/38

All: 183.525+/-0.020 χ^2/NDF: 3437959.0/73

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1827.108+/-51.942 χ^2/NDF:11093.3/18

Left: -401.599+/-38.012 χ^2/NDF: 16377.2/38

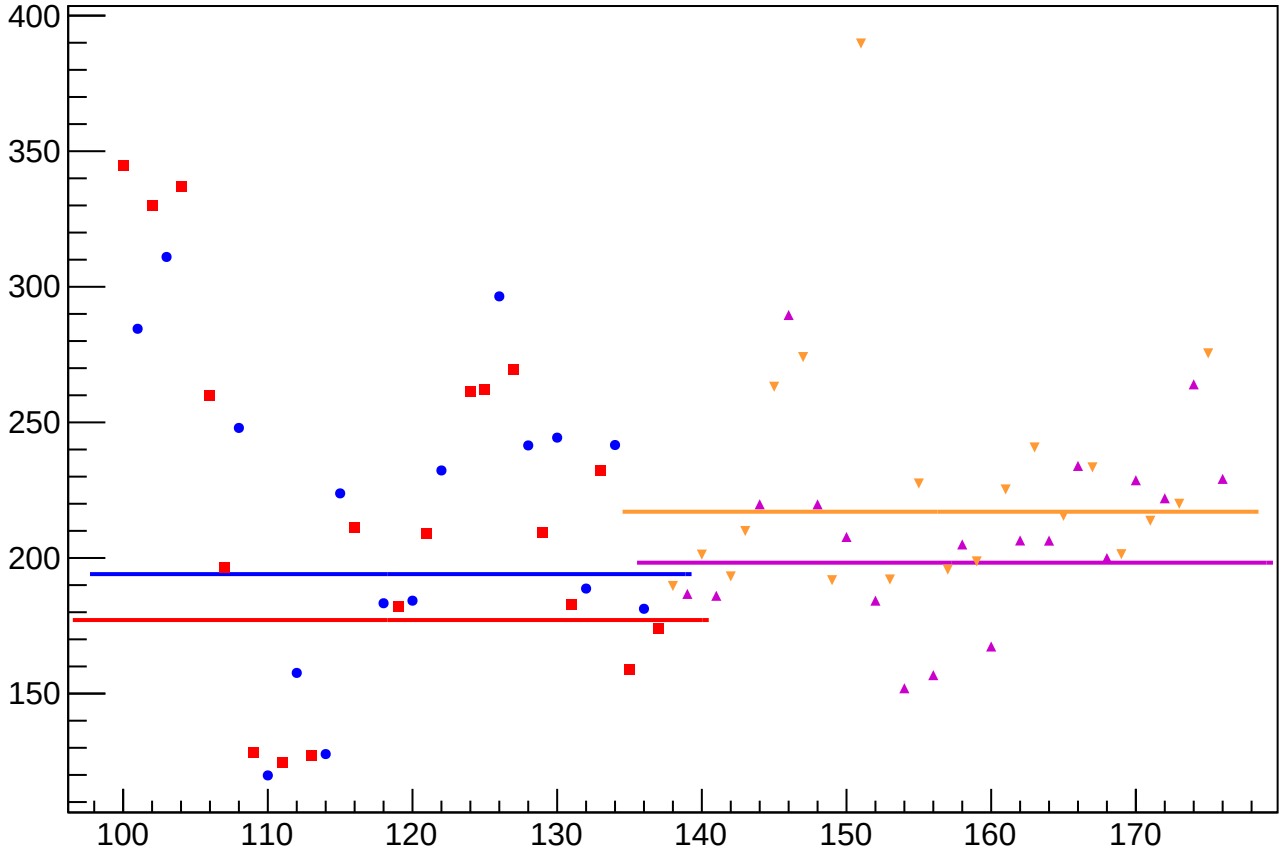
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -877.304+/-42.875 χ^2/NDF:14798.1/34

Out: -368.706+/-43.412 χ^2/NDF:8231.1/38

All: -626.170+/-30.506 χ^2/NDF: 23098.7/73

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

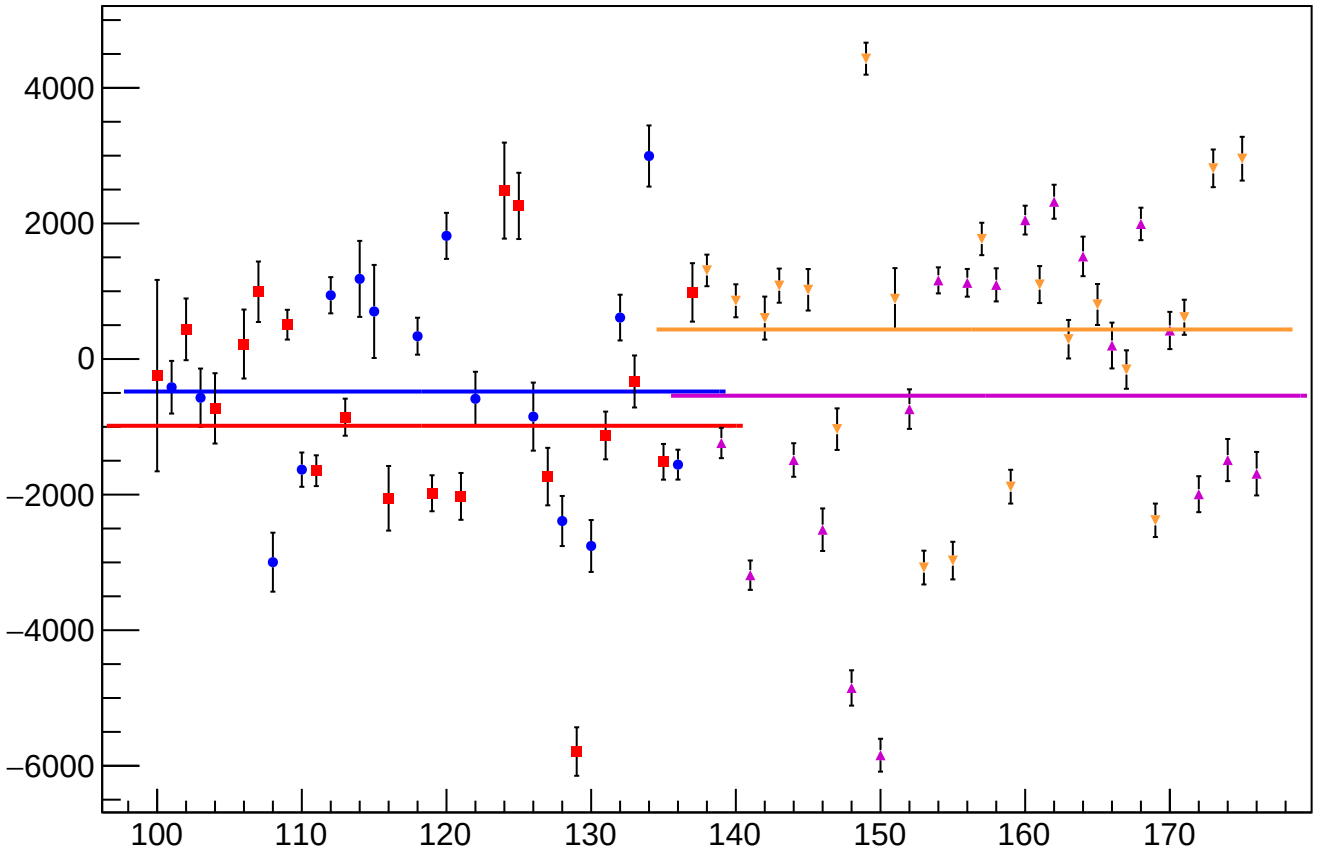
Left: 206.995+/-0.027 χ^2/NDF: 1573524.5/38

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.926+/-0.030 χ^2/NDF:1733132.0/34

Out: 201.310+/-0.031 χ^2/NDF:2452536.6/38

All: 199.091+/-0.022 χ^2/NDF: 4195994.2/73



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -540.953+/-57.502 χ^2/NDF:1665.0/18

Left: -79.350+/-41.764 χ^2/NDF: 2882.9/38

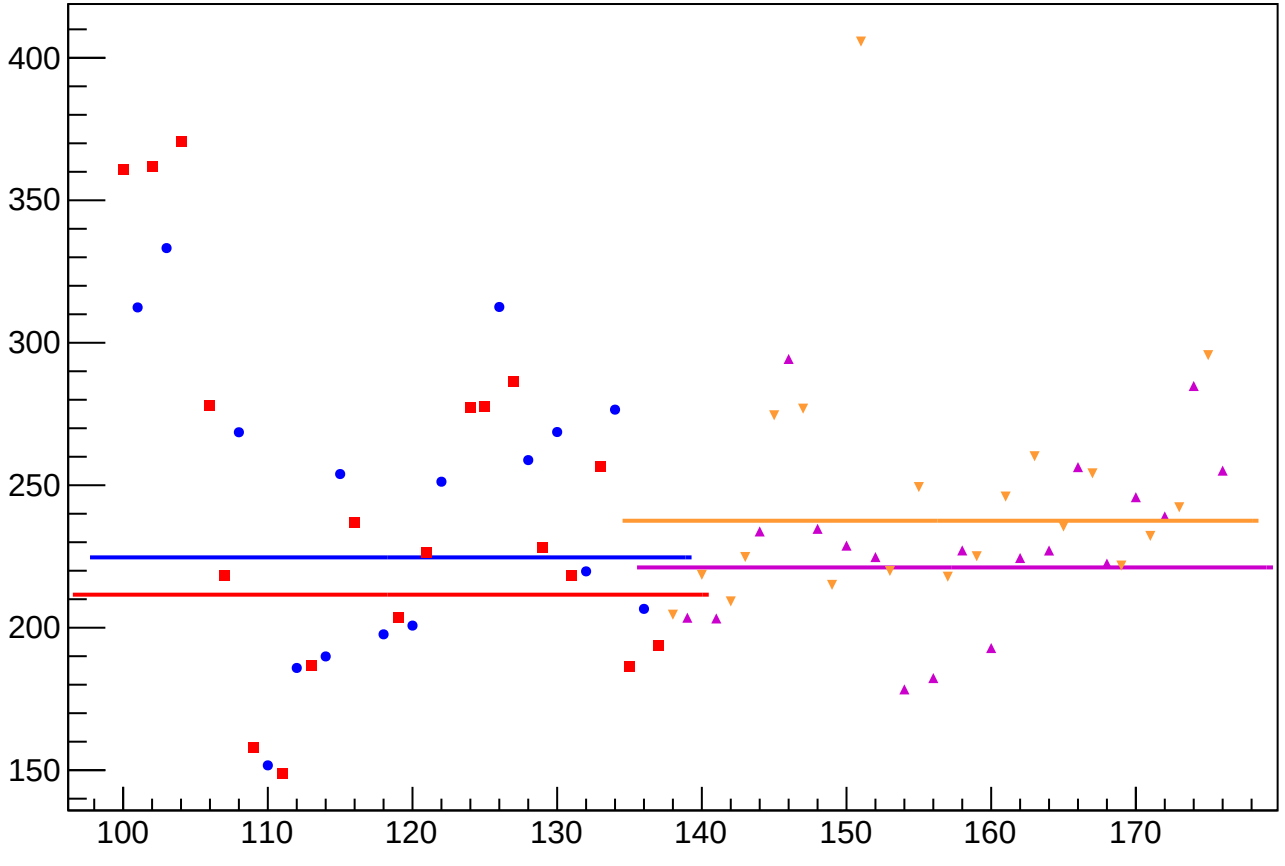
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -522.114+/-47.918 χ^2/NDF:1970.8/34

Out: -75.907+/-48.593 χ^2/NDF:1676.6/38

All: -302.129+/-34.119 χ^2/NDF: 3690.2/73

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

Left: 228.898+/-0.030 χ^2/NDF: 1143109.1/38

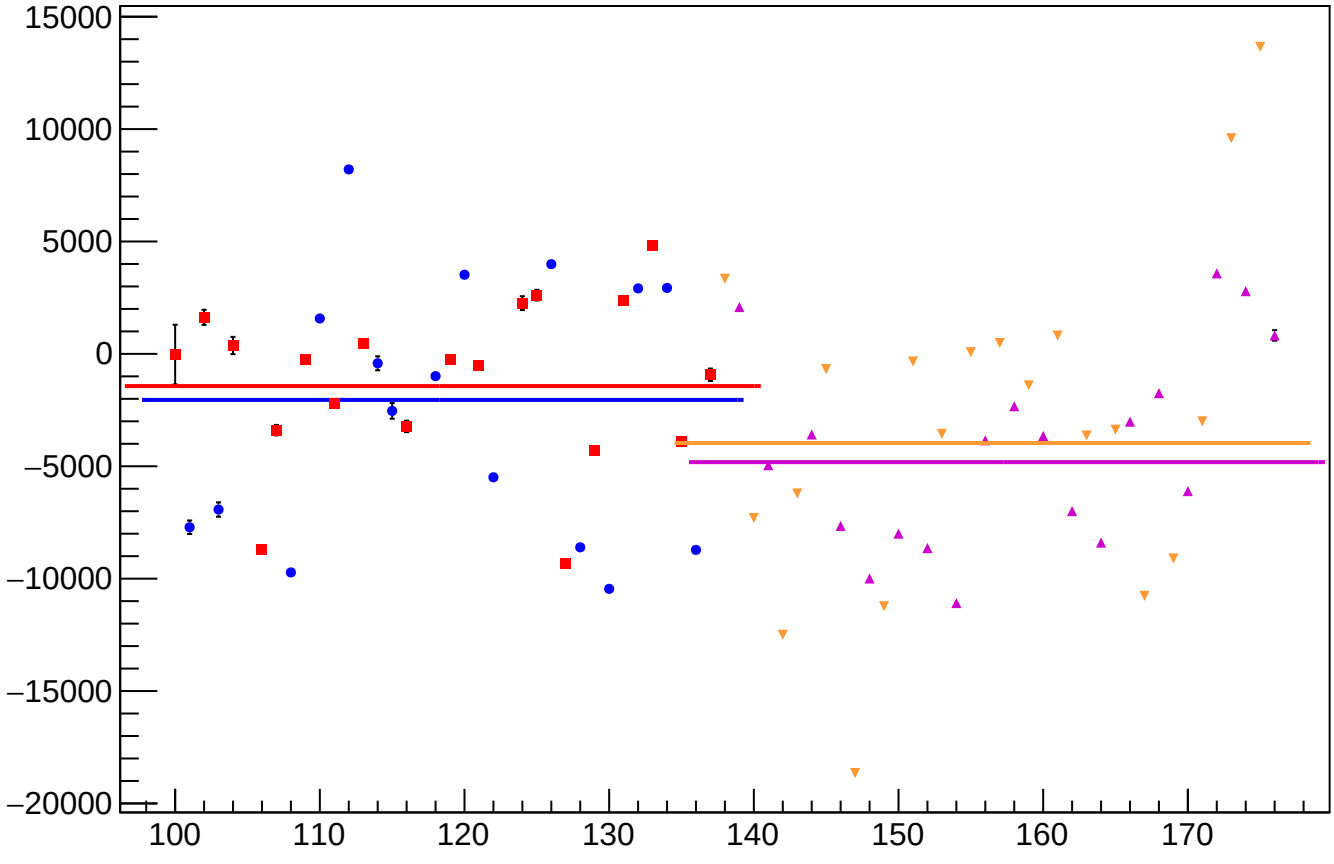
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 222.235+/-0.034 χ^2/NDF:1165559.6/34

Out: 228.190+/-0.034 χ^2/NDF:1620665.7/38

All: 225.171+/-0.024 χ^2/NDF: 2801453.1/73

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4816.123+/-33.157 χ^2/NDF:15227.7/18

Left: -4379.439+/-23.121 χ^2/NDF: 62475.2/38

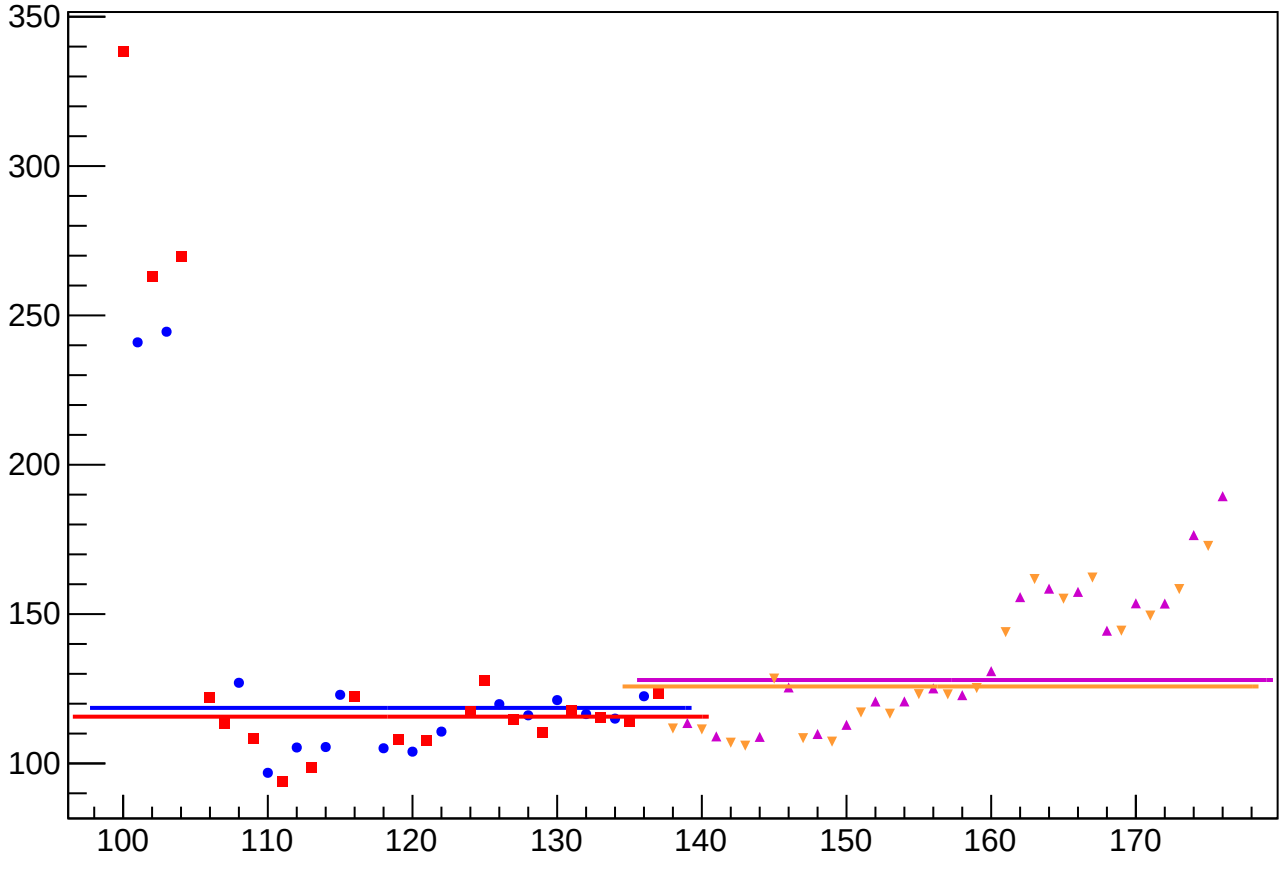
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3888.732+/-27.040 χ^2/NDF:34272.6/34

Out: -3099.301+/-26.164 χ^2/NDF:55407.5/38

All: -3481.033+/-18.803 χ^2/NDF: 90120.3/73

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

Left: 126.824+/-0.016 χ^2/NDF: 1471812.5/38

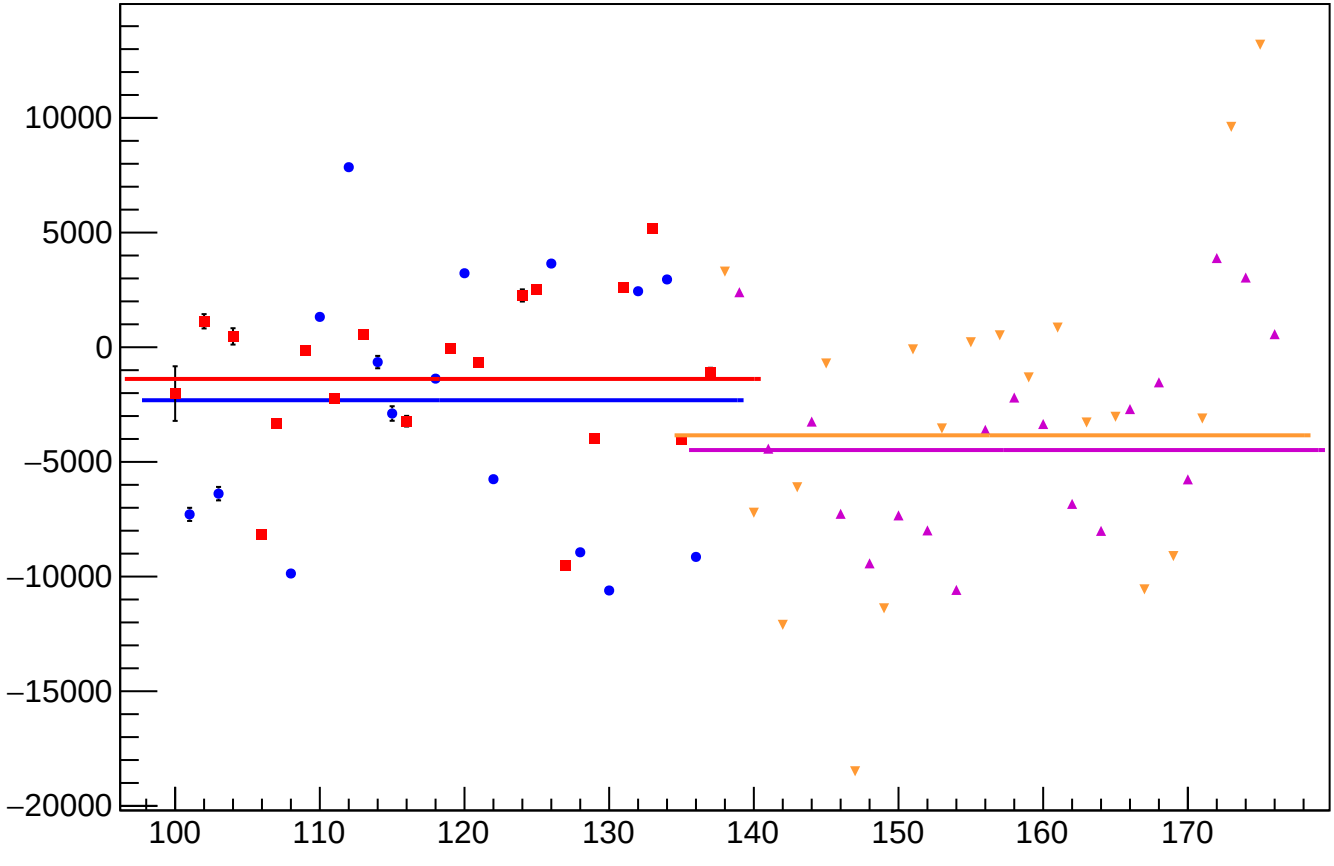
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 124.806+/-0.019 χ^2/NDF:1522663.3/34

Out: 122.313+/-0.019 χ^2/NDF:1663547.9/38

All: 123.518+/-0.013 χ^2/NDF: 3194997.3/73

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3840.321+/-29.020 χ^2/NDF:55088.3/19

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4483.214+/-29.851 χ^2/NDF:17624.5/18

Left: -4152.690+/-20.808 χ^2/NDF: 72951.2/38

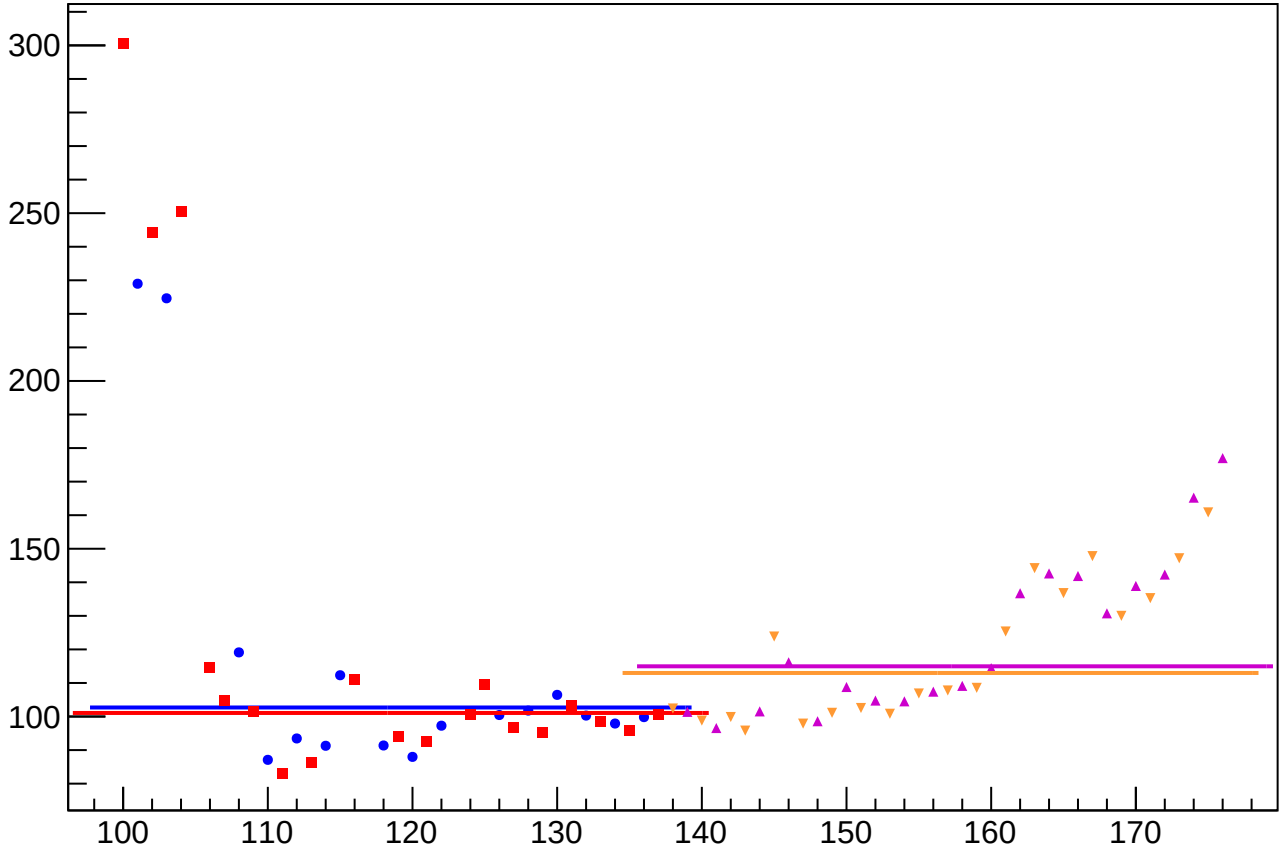
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3724.107+/-24.078 χ^2/NDF:41154.8/34

Out: -2974.135+/-23.354 χ^2/NDF:66195.4/38

All: -3337.672+/-16.764 χ^2/NDF: 107850.1/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 112.984+/-0.021 χ^2/NDF:760367.3/19

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 114.965+/-0.021 χ^2/NDF:792225.4/18

Left: 113.946+/-0.015 χ^2/NDF: 1557121.0/38

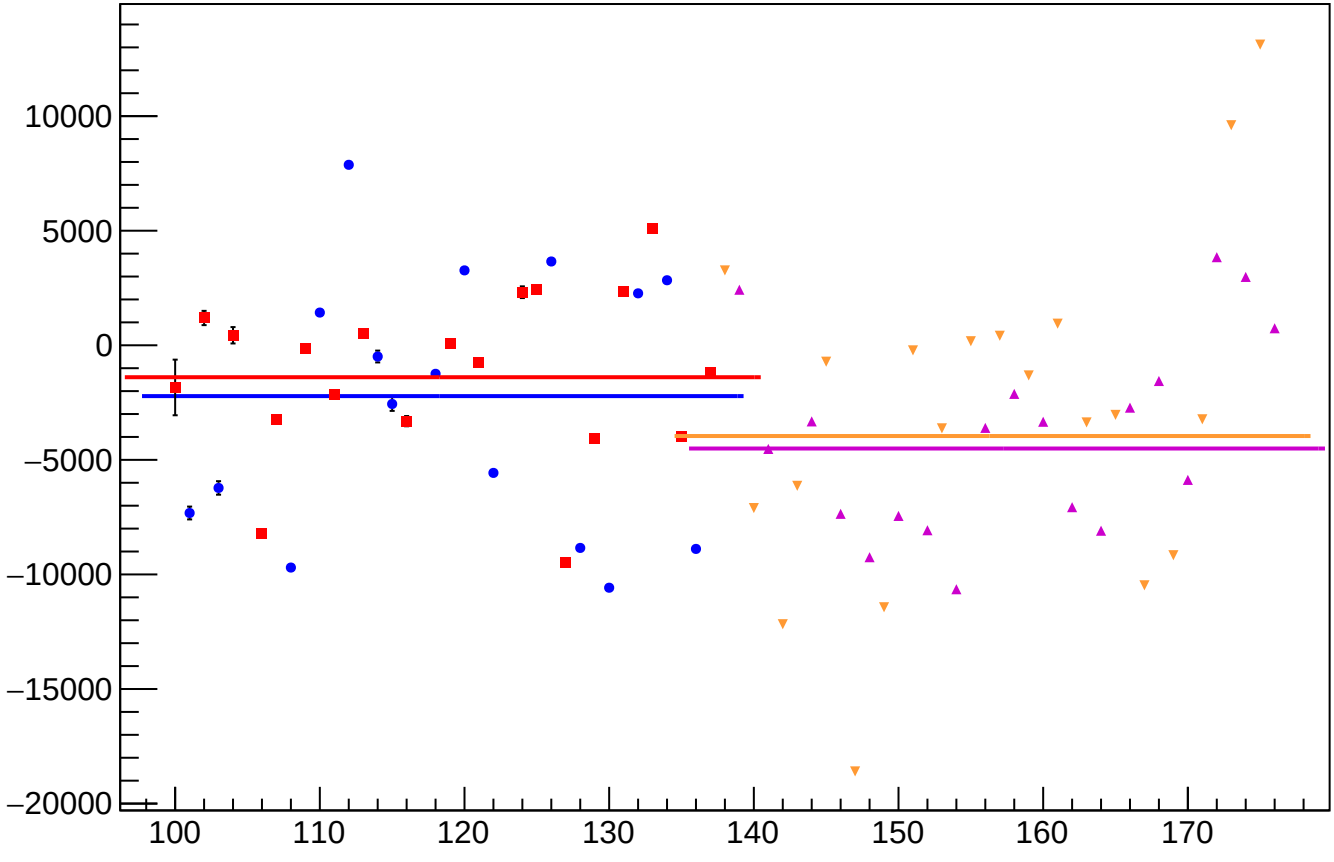
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 110.677+/-0.017 χ^2/NDF:1736109.3/34

Out: 108.783+/-0.017 χ^2/NDF:1809738.5/38

All: 109.701+/-0.012 χ^2/NDF: 3552224.4/73

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3960.158+/-28.399 χ^2/NDF:59020.8/19

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4505.061+/-29.185 χ^2/NDF:18651.9/18

Left: -4225.175+/-20.353 χ^2/NDF: 77851.8/38

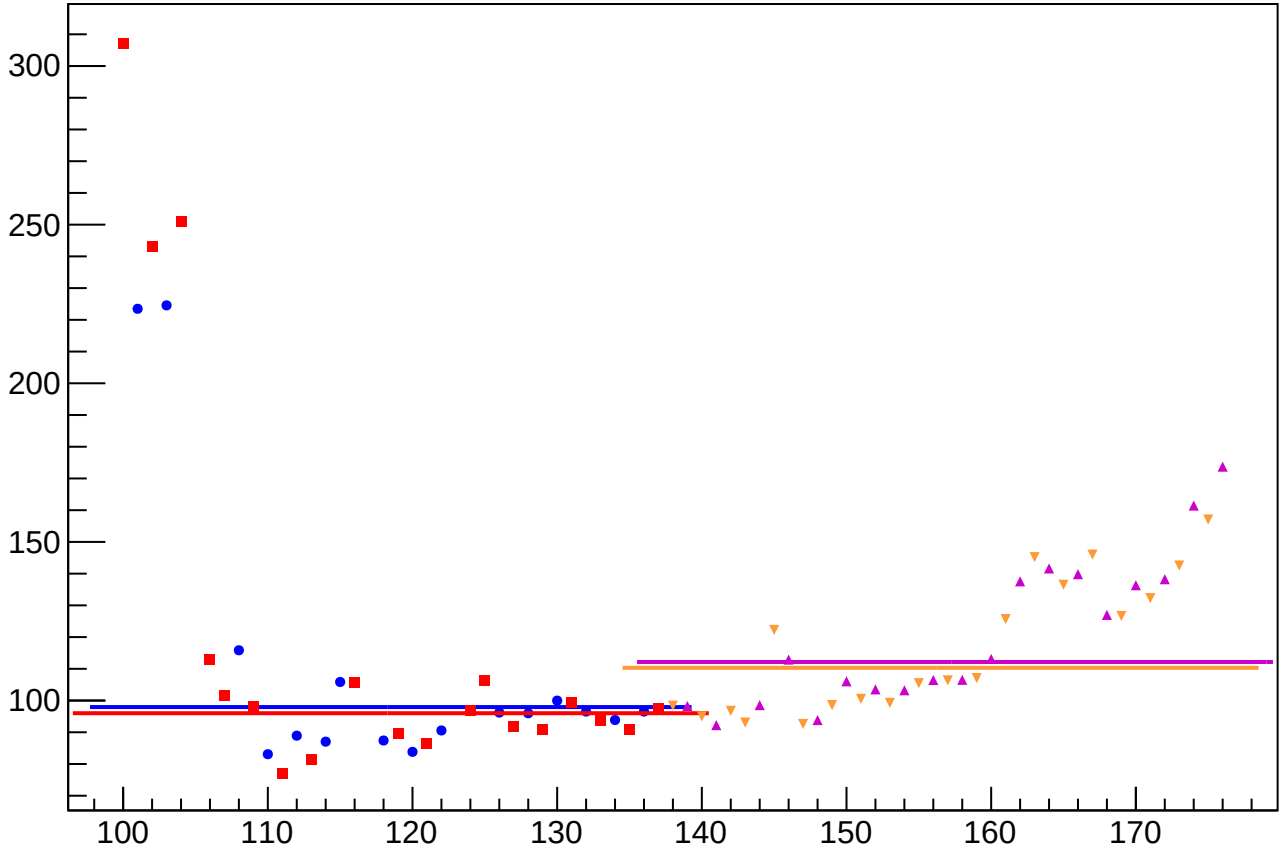
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3685.126+/-23.375 χ^2/NDF:43894.2/34

Out: -3027.202+/-22.657 χ^2/NDF:71141.9/38

All: -3345.906+/-16.269 χ^2/NDF: 115444.6/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 110.313+/-0.020 χ^2/NDF:829891.4/19

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 112.155+/-0.021 χ^2/NDF:847244.7/18

Left: 111.209+/-0.014 χ^2/NDF: 1681225.8/38

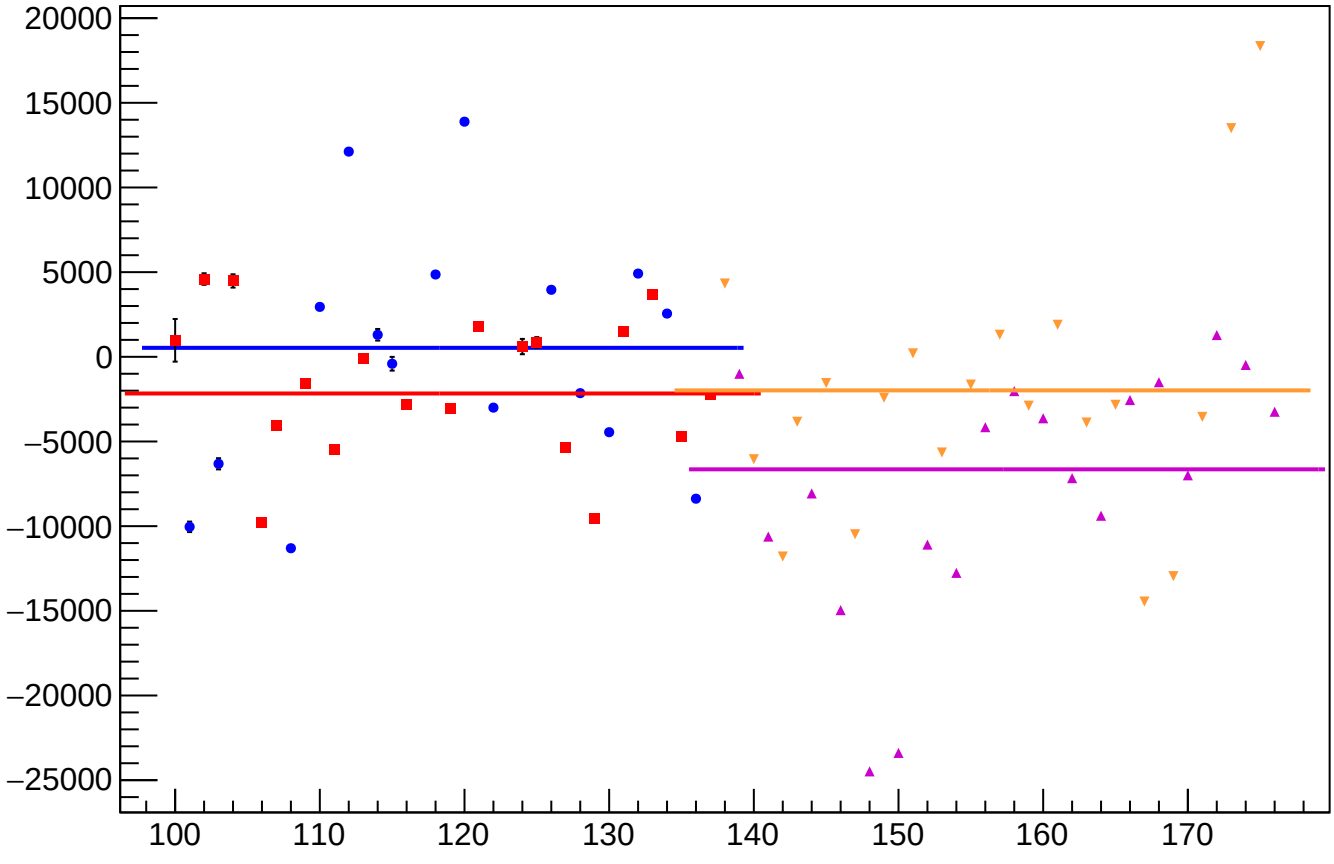
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 107.060+/-0.017 χ^2/NDF:1885400.5/34

Out: 105.112+/-0.016 χ^2/NDF:2026723.8/38

All: 106.056+/-0.012 χ^2/NDF: 3919283.3/73

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1982.802+/-40.040 χ^2/NDF:31743.1/19

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6644.641+/-41.654 χ^2/NDF:20173.1/18

Left: -4221.620+/-28.866 χ^2/NDF: 58426.5/38

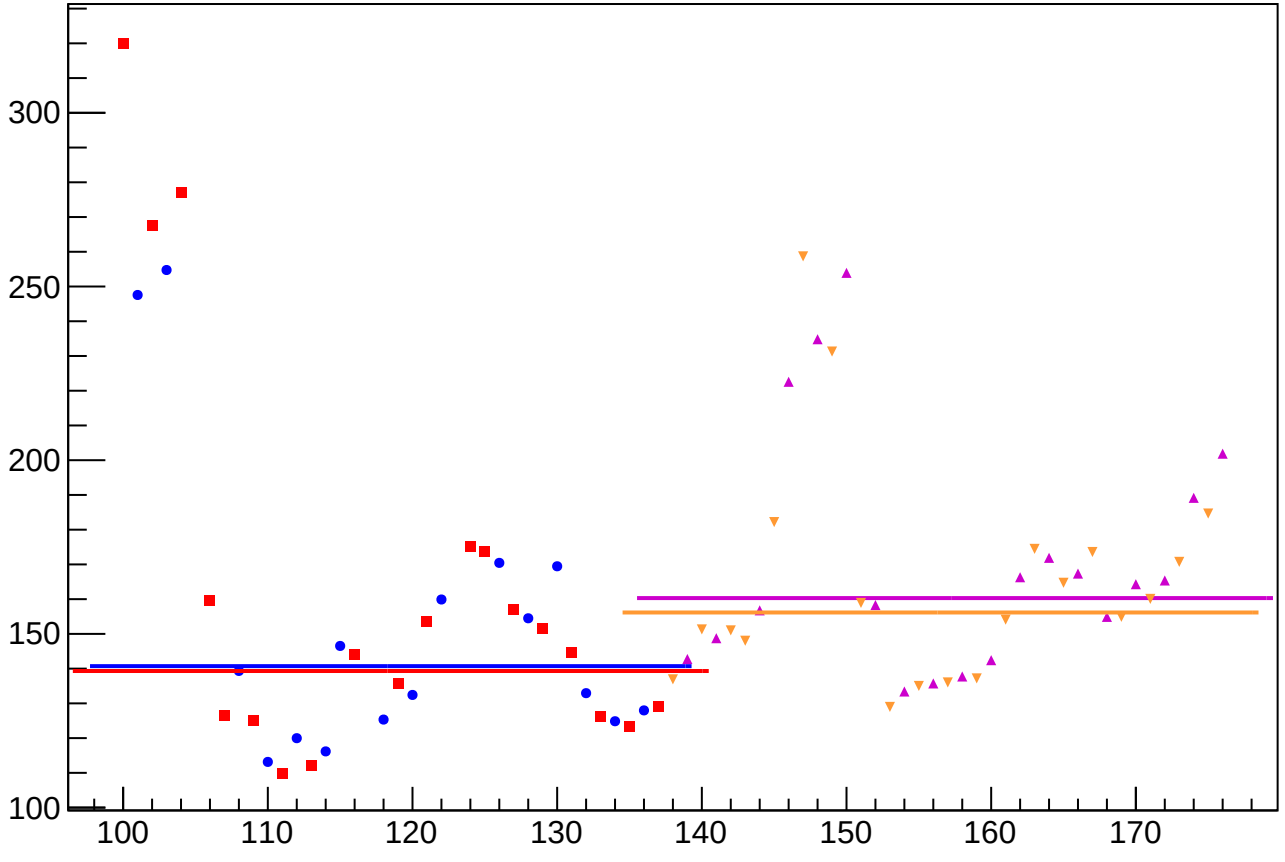
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4020.435+/-33.174 χ^2/NDF:49612.8/34

Out: -2048.278+/-32.047 χ^2/NDF:36717.7/38

All: -3000.301+/-23.049 χ^2/NDF: 88158.7/73

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 156.162+/-0.028 χ^2/NDF:775320.9/19

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 160.307+/-0.029 χ^2/NDF:884372.1/18

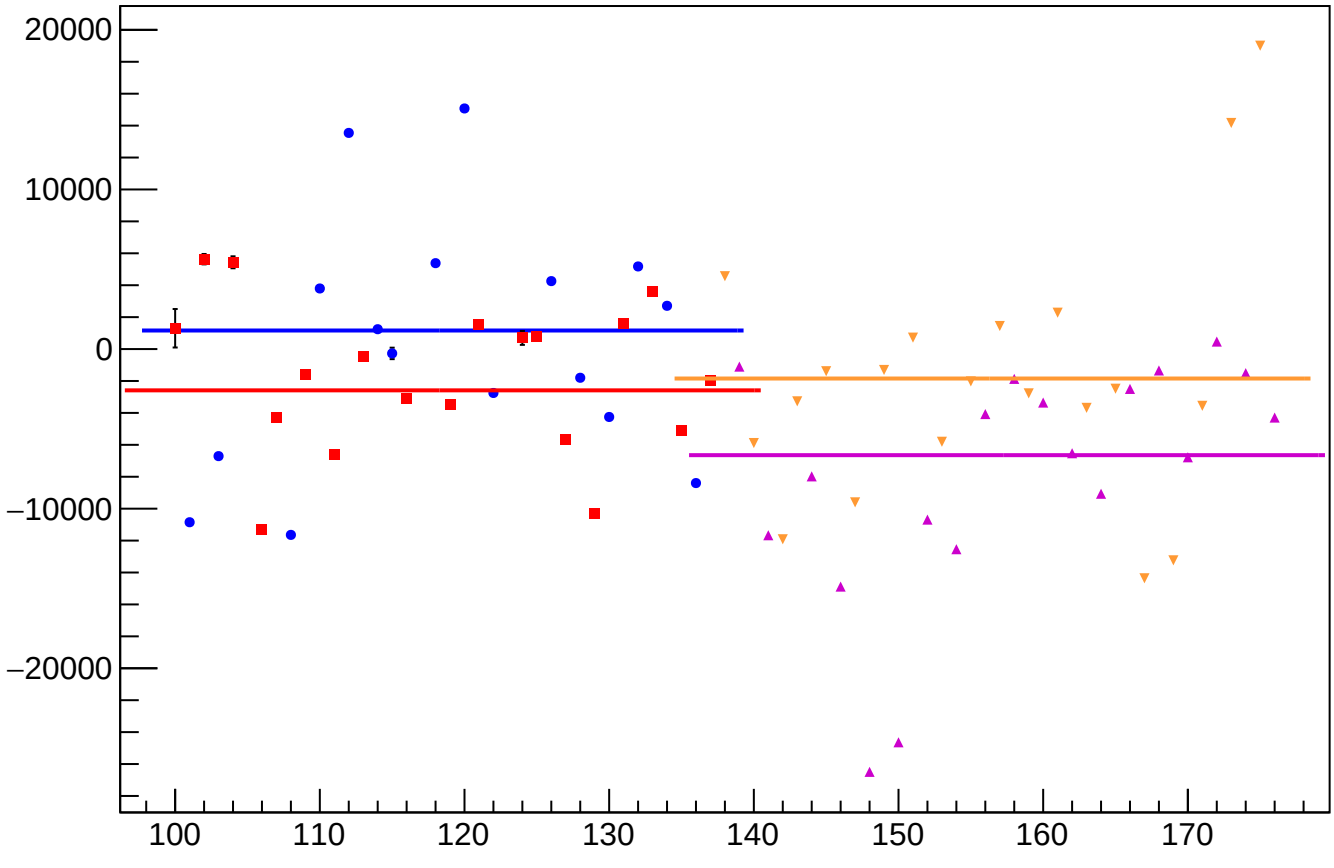
Left: 158.153+/-0.020 χ^2/NDF: 1669985.6/38

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 153.142+/-0.023 χ^2/NDF:1721811.6/34

Out: 150.109+/-0.023 χ^2/NDF:1704861.4/38

All: 151.573+/-0.016 χ^2/NDF: 3435322.3/73



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1845.483+/-35.582 χ^2/NDF:39795.0/19

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6647.534+/-37.157 χ^2/NDF:25194.8/18

Left: -4142.587+/-25.699 χ^2/NDF: 73702.3/38

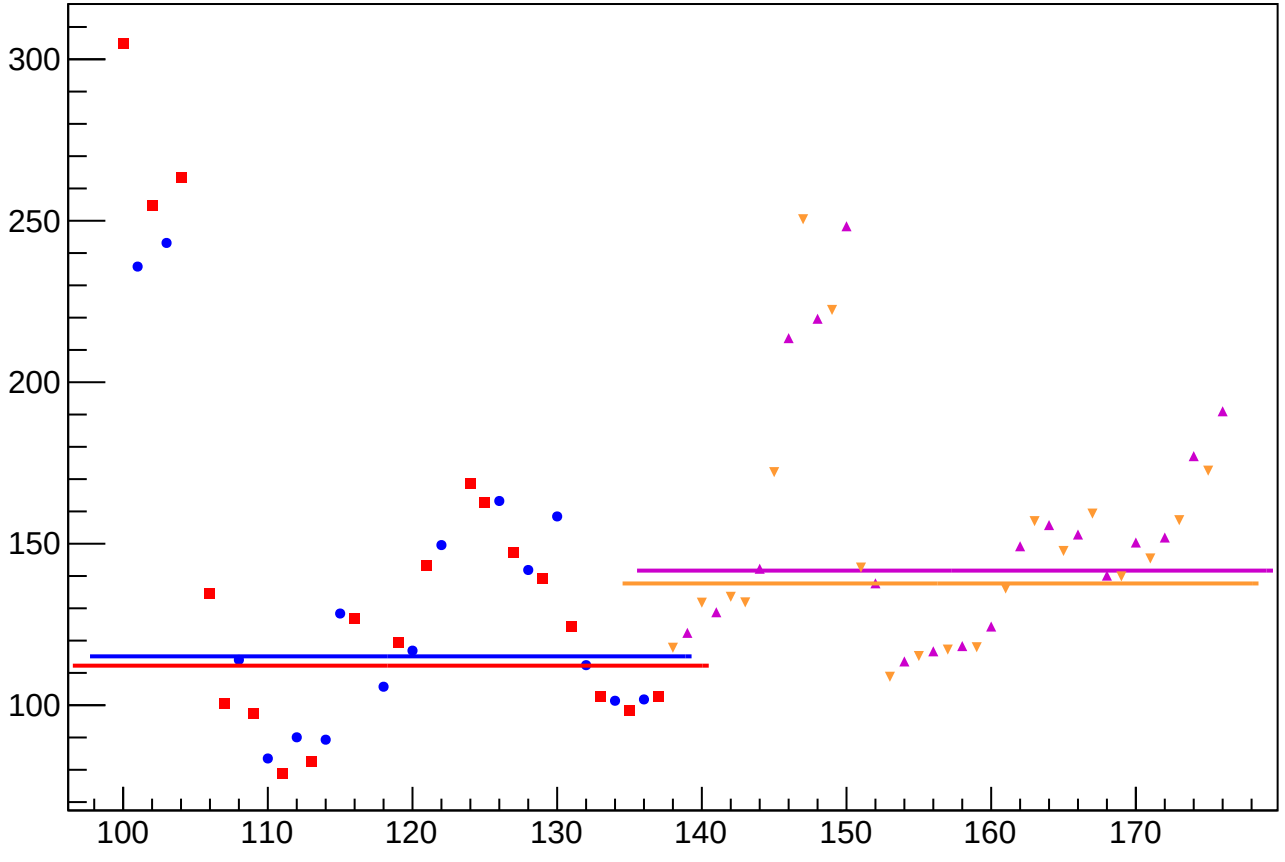
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3557.858+/-28.888 χ^2/NDF:73427.7/34

Out: -2136.524+/-27.731 χ^2/NDF:48065.1/38

All: -2818.162+/-20.005 χ^2/NDF: 122752.6/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 137.693+/-0.025 χ^2/NDF:1120981.7/19

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 141.675+/-0.026 χ^2/NDF:1253482.1/18

Left: 139.598+/-0.018 χ^2/NDF: 2386442.0/38

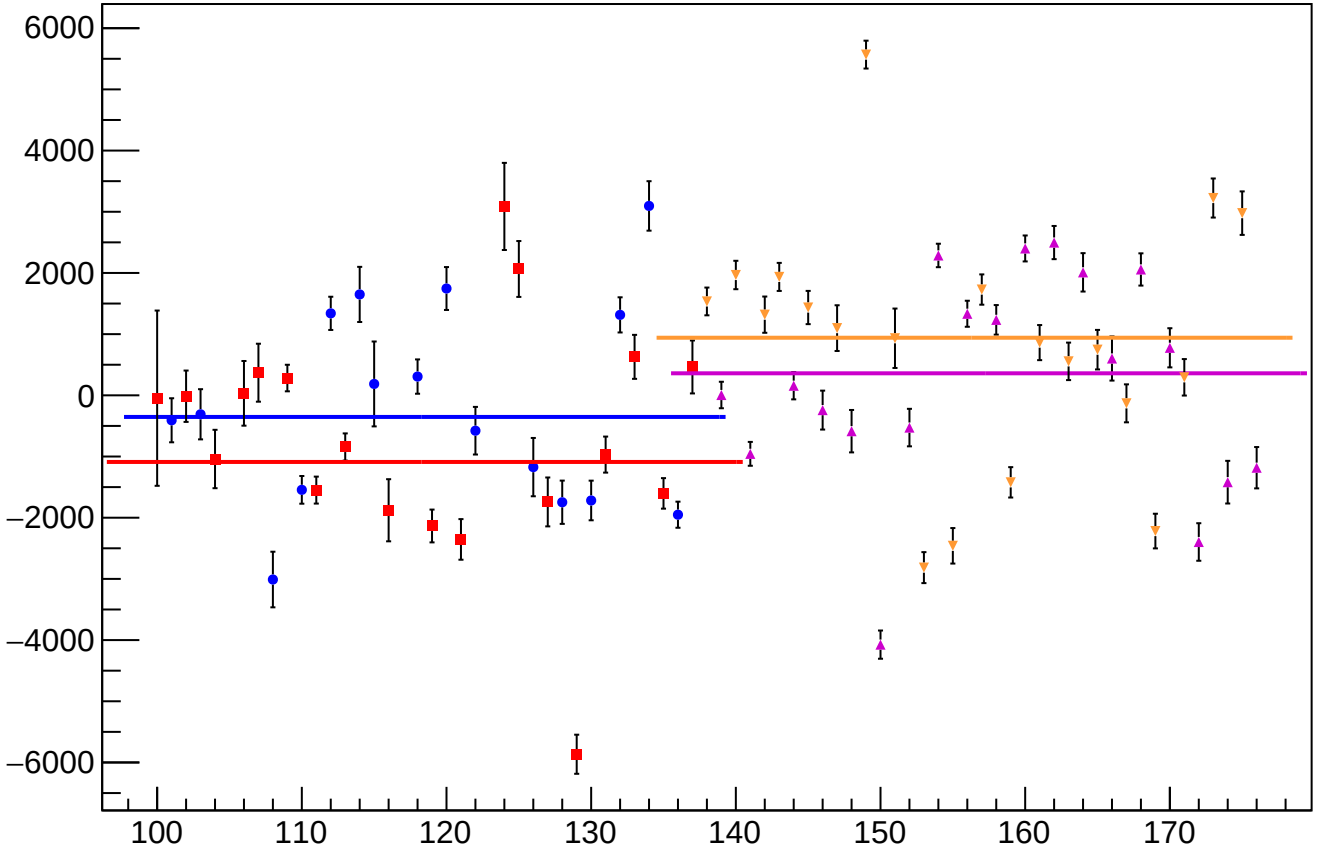
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 131.172+/-0.020 χ^2/NDF:2770370.3/34

Out: 127.700+/-0.020 χ^2/NDF:2850908.5/38

All: 129.365+/-0.014 χ^2/NDF: 5636316.2/73

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 941.403+/-62.388 χ^2/NDF:1148.2/19

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 359.990+/-58.998 χ^2/NDF:926.5/18

Left: 634.472+/-42.866 χ^2/NDF: 2120.6/38

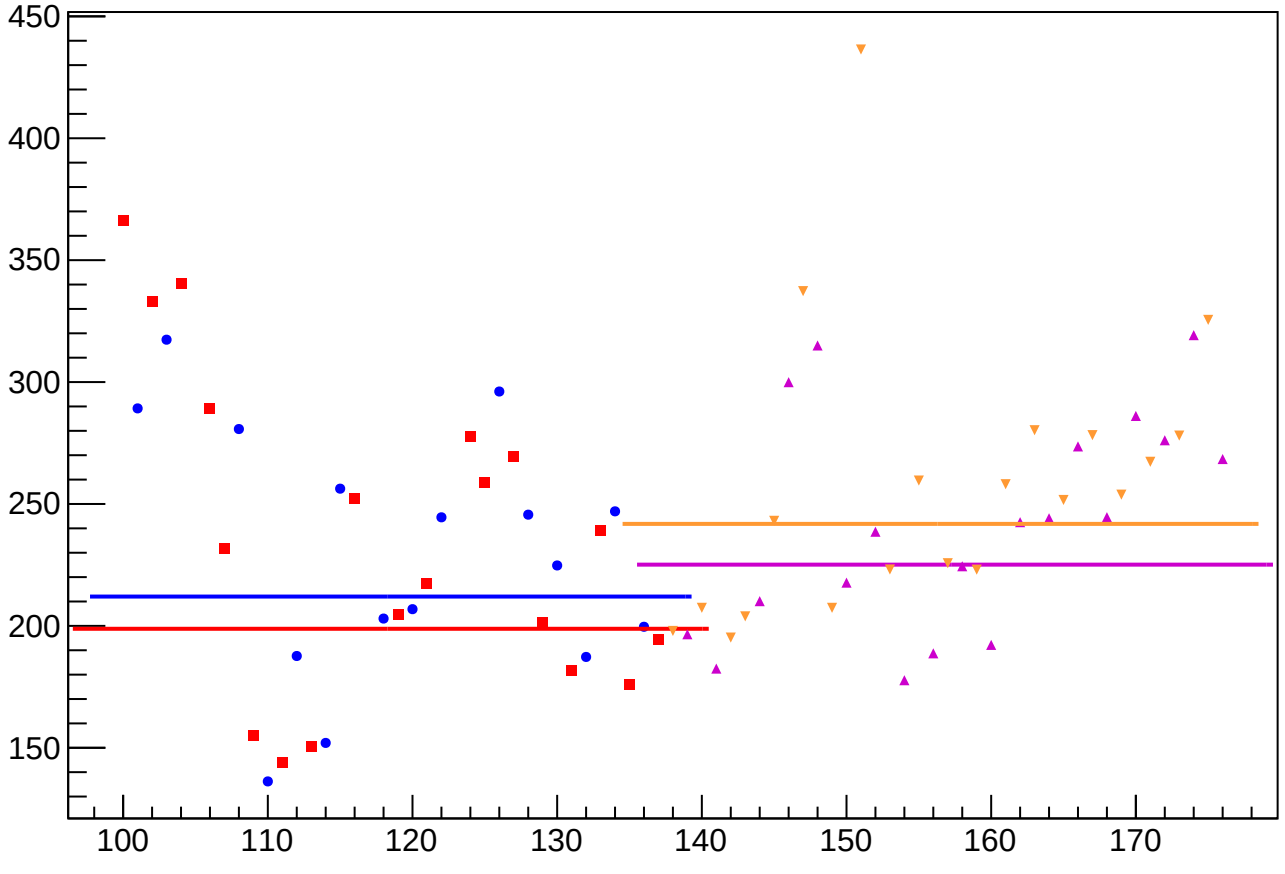
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 117.280+/-47.918 χ^2/NDF:1338.1/34

Out: 129.778+/-48.334 χ^2/NDF:2018.7/38

All: 123.475+/-34.029 χ^2/NDF: 3356.8/73

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.833+/-0.044 χ^2/NDF:981244.2/19

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 225.117+/-0.042 χ^2/NDF:988760.4/18

Left: 233.008+/-0.030 χ^2/NDF: 2045795.3/38

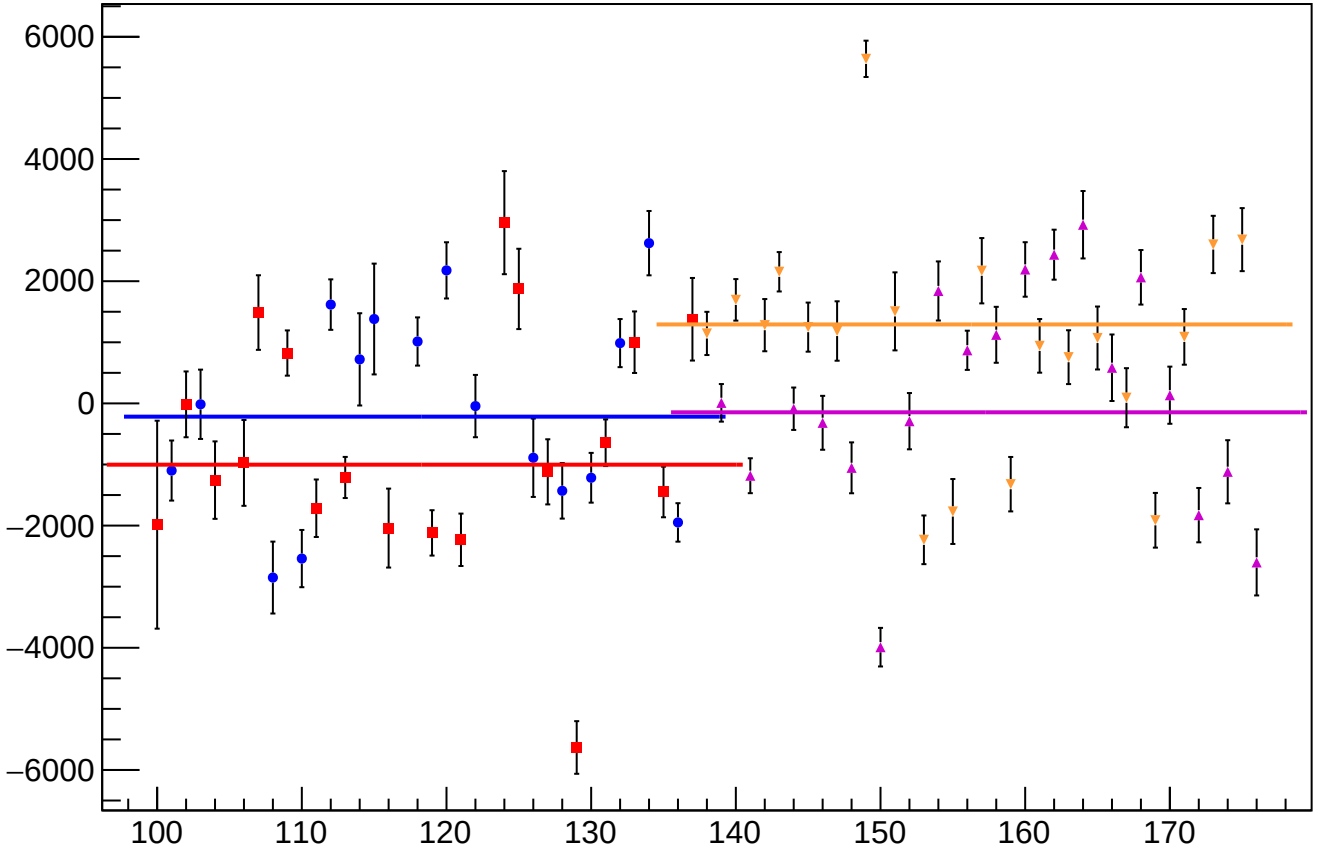
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 220.662+/-0.034 χ^2/NDF:1712625.5/34

Out: 224.633+/-0.034 χ^2/NDF:2336411.7/38

All: 222.630+/-0.024 χ^2/NDF: 4055843.6/73

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1292.369+/-94.991 χ^2/NDF:446.3/19

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -145.844+/-93.257 χ^2/NDF:364.6/18

Left: 560.014+/-66.547 χ^2/NDF: 927.6/38

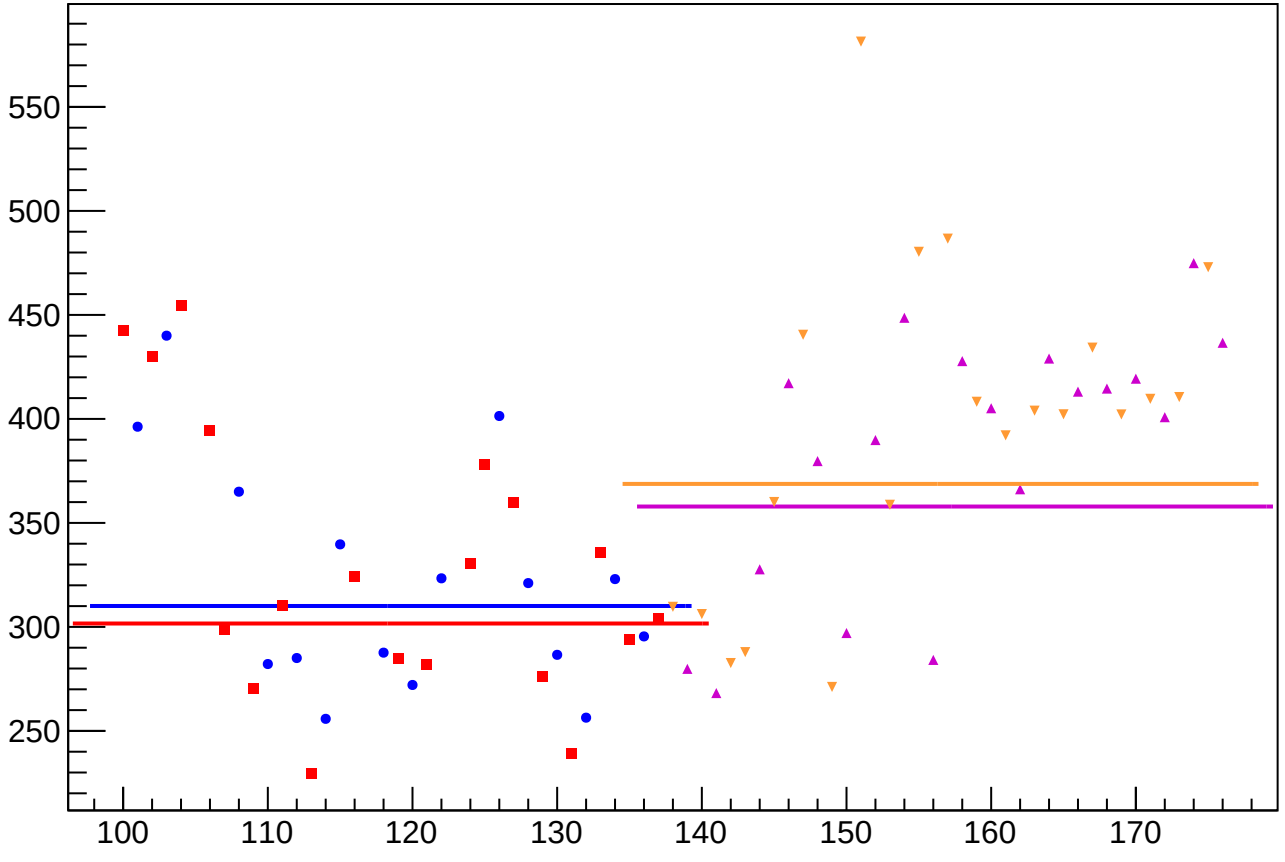
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -173.213+/-73.139 χ^2/NDF:557.0/34

Out: 343.017+/-72.742 χ^2/NDF:942.1/38

All: 86.306+/-51.576 χ^2/NDF: 1524.1/73

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 368.750+/-0.067 χ^2/NDF:1203299.8/19

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 357.879+/-0.066 χ^2/NDF:996342.9/18

Left: 363.214+/-0.047 χ^2/NDF: 2212983.2/38

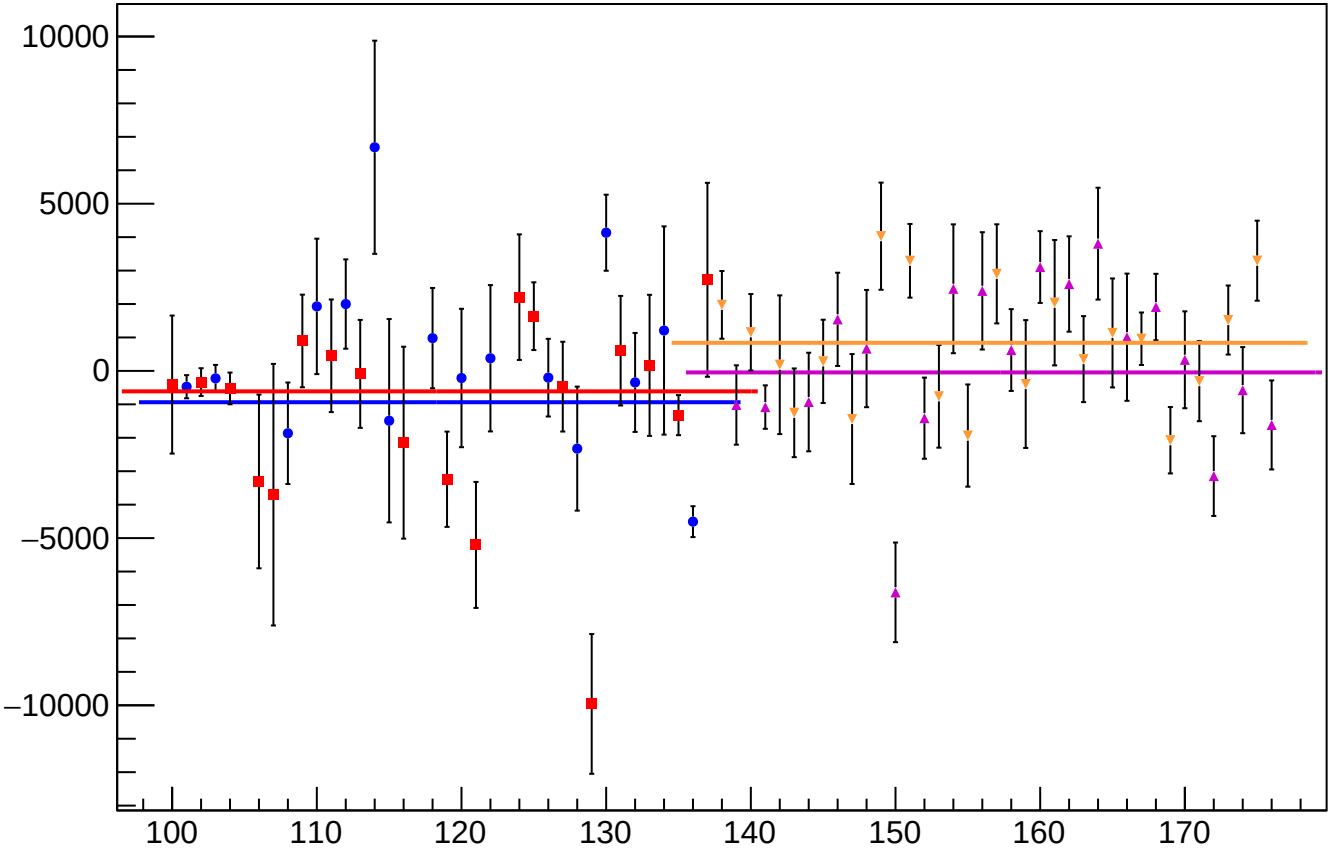
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 339.473+/-0.052 χ^2/NDF:1522016.6/34

Out: 340.993+/-0.051 χ^2/NDF:2136090.0/38

All: 340.237+/-0.036 χ^2/NDF: 3658540.8/73

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 839.919+/-283.018 χ^2/NDF:35.9/19

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -45.411+/-287.172 χ^2/NDF:59.7/18

Left: 403.703+/-201.577 χ^2/NDF: 100.4/38

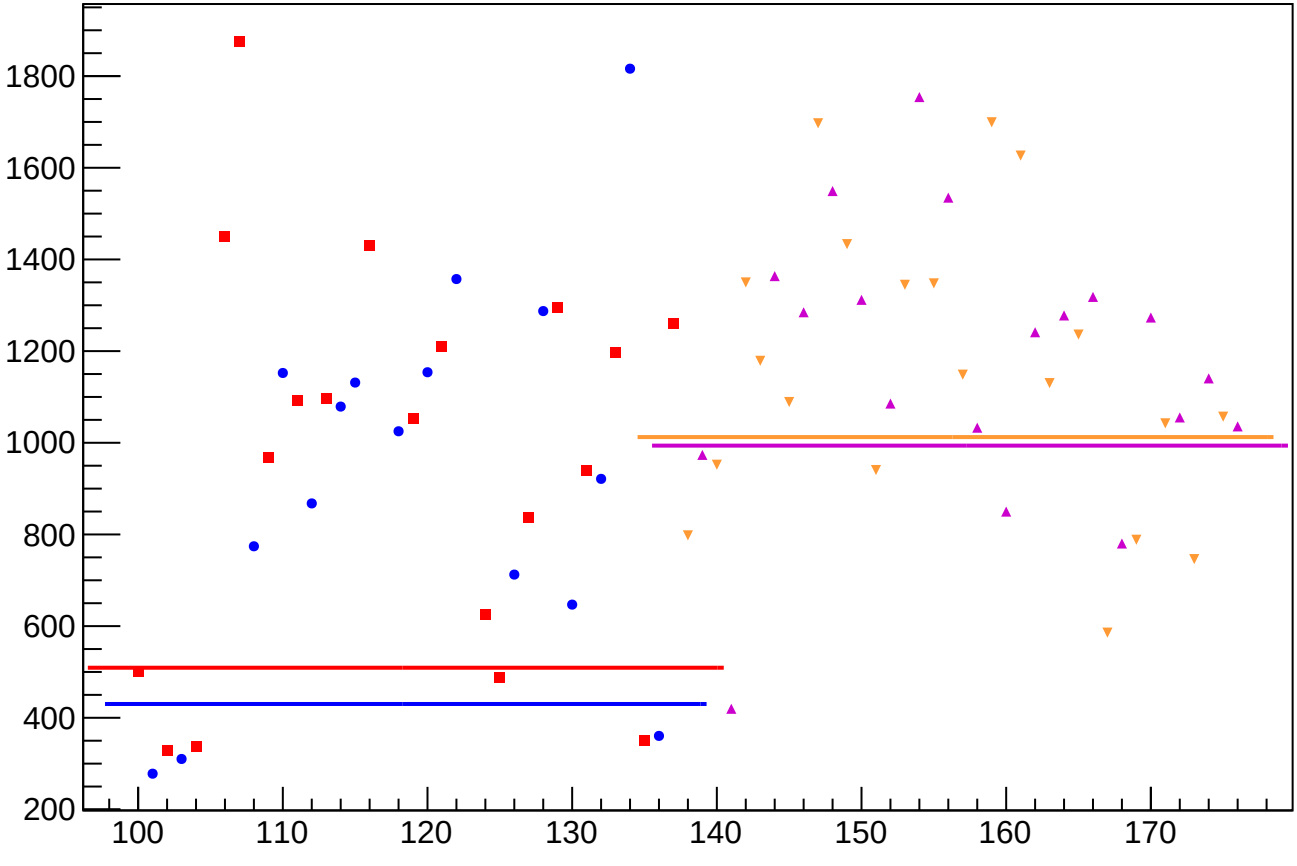
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -636.544+/-166.696 χ^2/NDF:167.2/34

Out: -24.836+/-179.949 χ^2/NDF:95.7/38

All: -354.043+/-122.289 χ^2/NDF: 269.2/73

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1012.429+/-0.200 χ^2/NDF:2146535.7/19

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 993.808+/-0.203 χ^2/NDF:2993195.7/18

Left: 1003.254+/-0.143 χ^2/NDF: 5143997.0/38

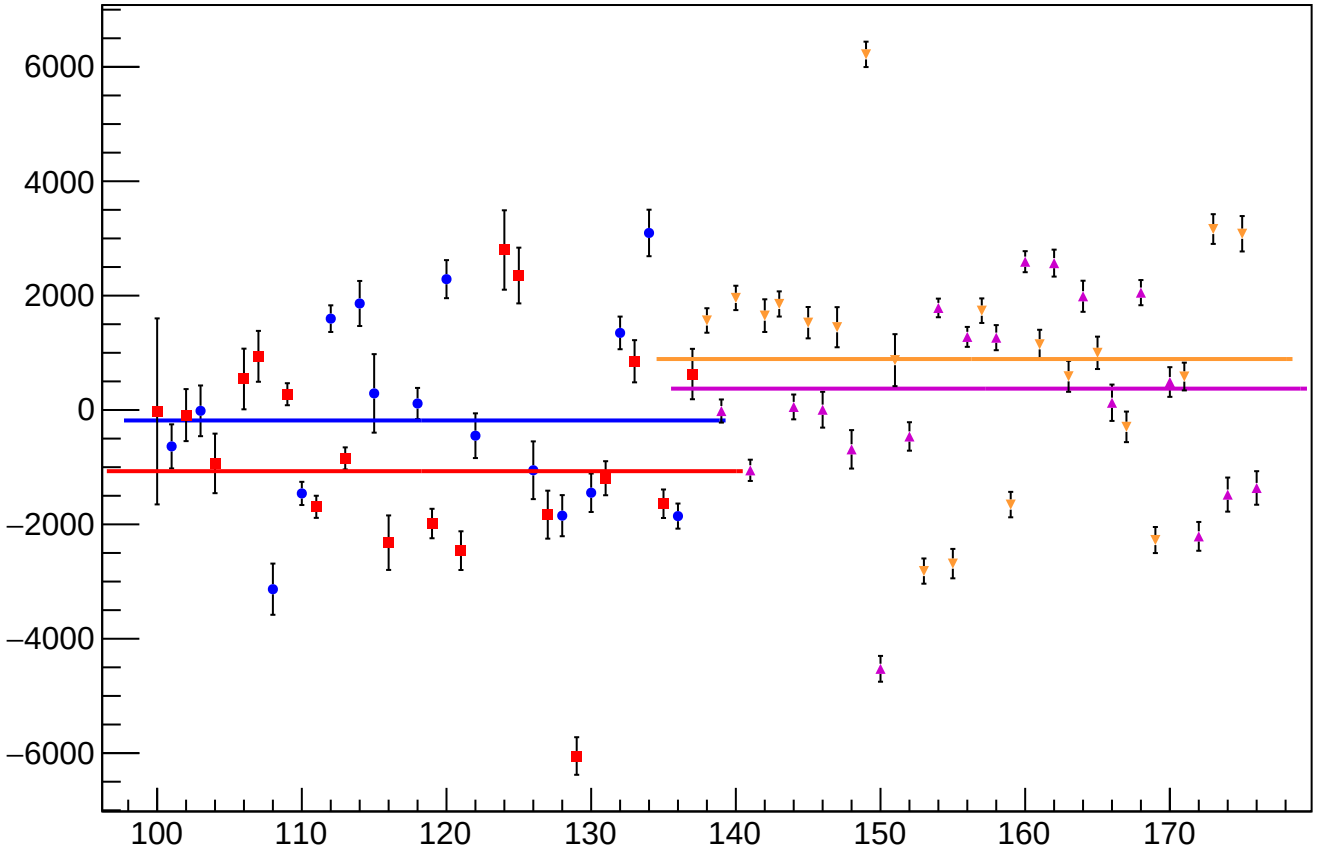
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 620.049+/-0.118 χ^2/NDF:11624616.5/34

Out: 712.661+/-0.127 χ^2/NDF:9586304.1/38

All: 662.820+/-0.086 χ^2/NDF: 21496016.7/73

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 891.148+/-56.093 χ^2/NDF:1611.0/19

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 373.550+/-52.283 χ^2/NDF:1182.9/18

Left: 614.177+/-38.246 χ^2/NDF: 2839.4/38

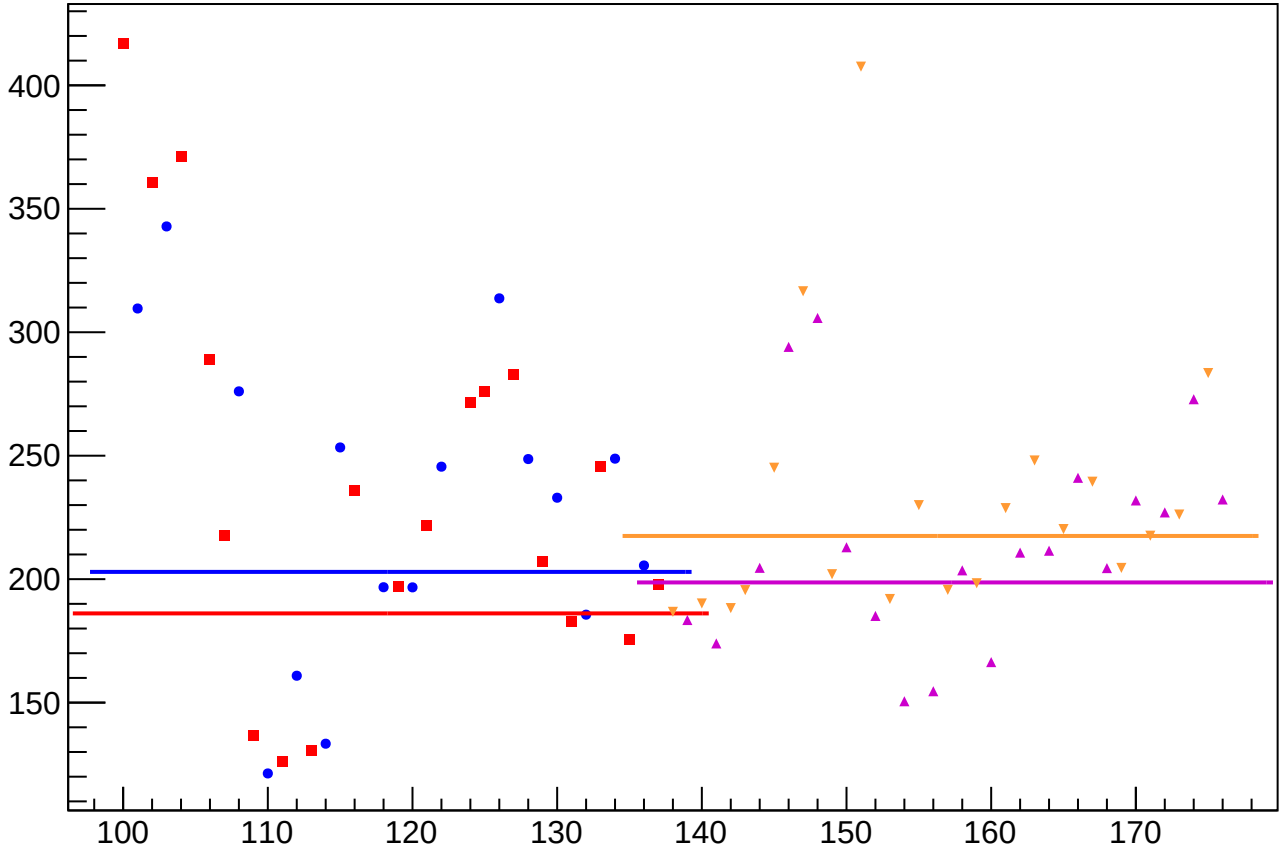
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 206.577+/-43.743 χ^2/NDF:1634.6/34

Out: 163.949+/-44.492 χ^2/NDF:2556.4/38

All: 185.625+/-31.193 χ^2/NDF: 4191.5/73

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.496+/-0.040 χ^2/NDF:864025.5/19

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 198.671+/-0.037 χ^2/NDF:1069909.3/18

Left: 207.423+/-0.027 χ^2/NDF: 2054474.8/38

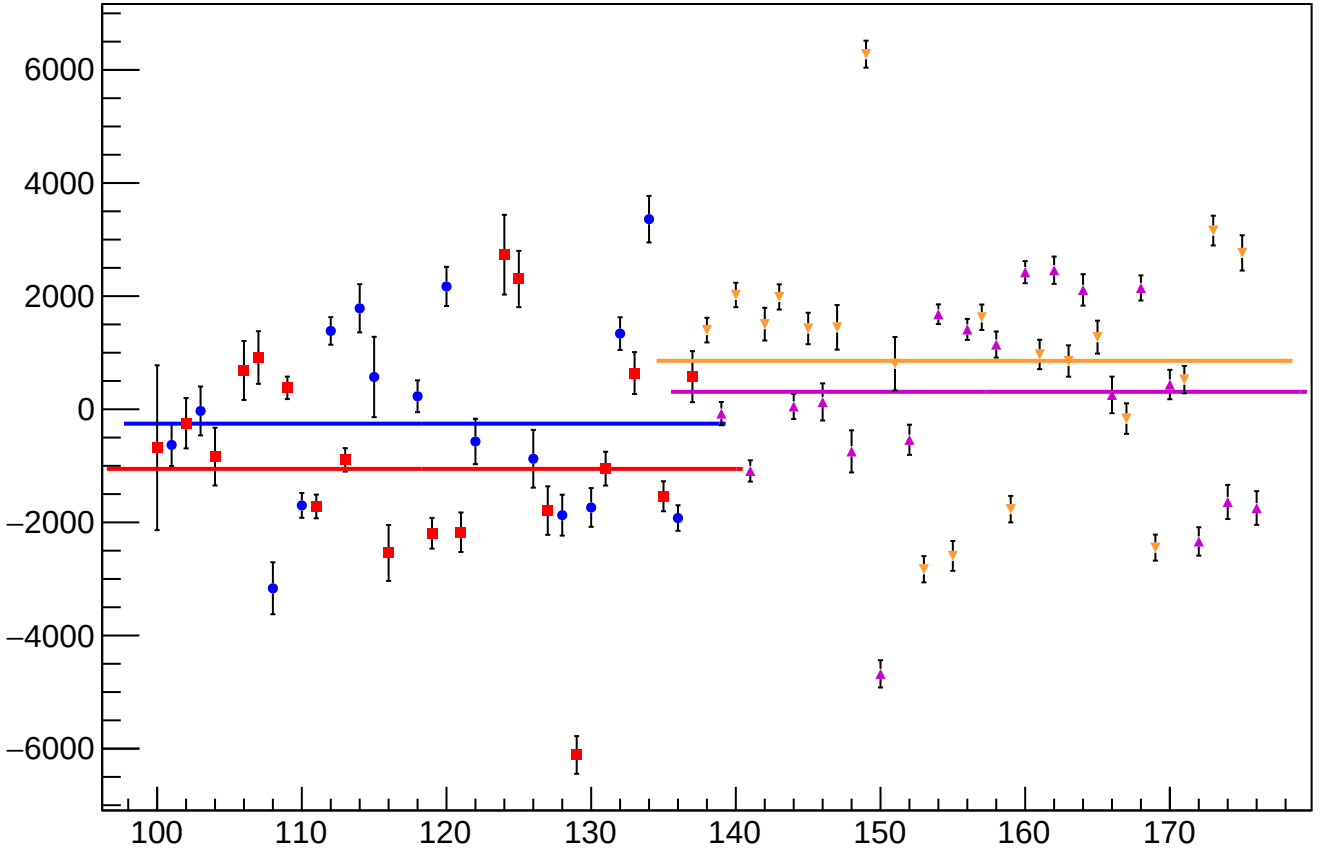
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 199.952+/-0.031 χ^2/NDF:2145770.9/34

Out: 205.864+/-0.031 χ^2/NDF:2577627.2/38

All: 202.858+/-0.022 χ^2/NDF: 4741350.3/73

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 856.647+/-57.644 χ^2/NDF:1485.7/19

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 309.014+/-54.232 χ^2/NDF:1125.6/18

Left: 566.144+/-39.499 χ^2/NDF: 2659.2/38

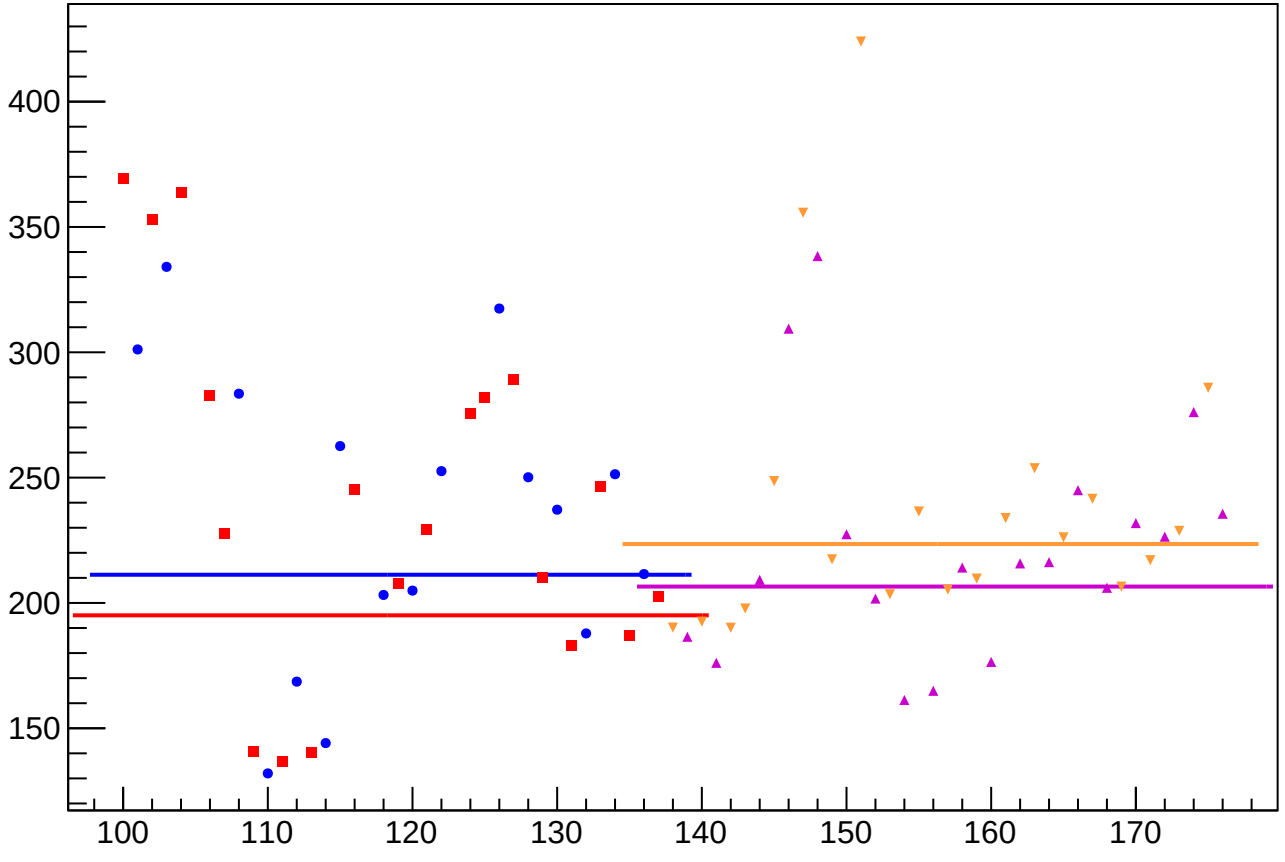
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 138.964+/-45.316 χ^2/NDF:1567.4/34

Out: 158.636+/-45.921 χ^2/NDF:2364.7/38

All: 148.669+/-32.255 χ^2/NDF: 3932.2/73

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.498+/-0.041 χ^2/NDF:912688.5/19

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 206.537+/-0.038 χ^2/NDF:1009699.2/18

Left: 214.501+/-0.028 χ^2/NDF: 2014241.1/38

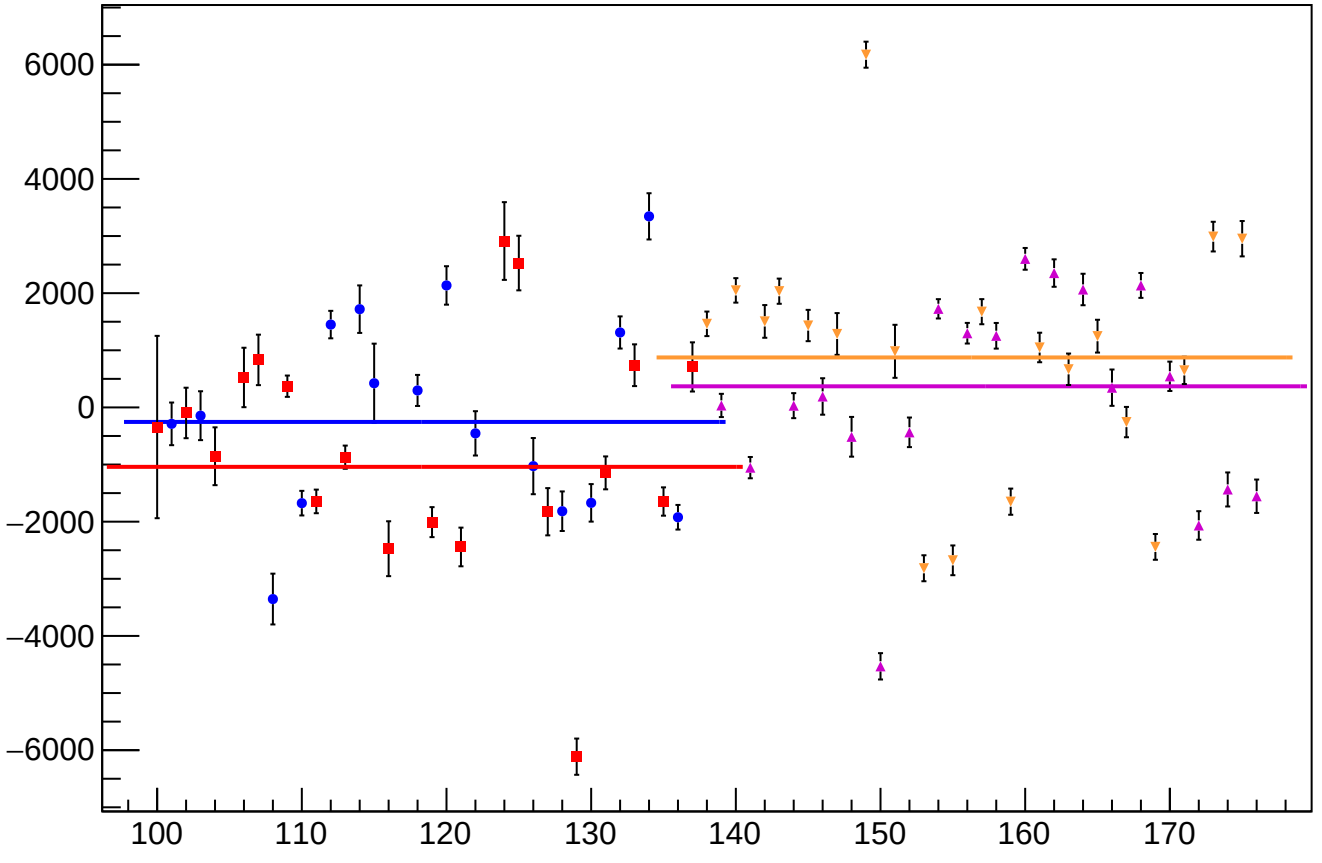
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 207.960+/-0.032 χ^2/NDF:1898627.9/34

Out: 213.108+/-0.032 χ^2/NDF:2375411.1/38

All: 210.500+/-0.023 χ^2/NDF: 4286771.0/73

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 874.797+/-56.646 χ^2/NDF:1549.9/19

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 369.506+/-53.134 χ^2/NDF:1122.5/18

Left: 606.002+/-38.754 χ^2/NDF: 2714.7/38

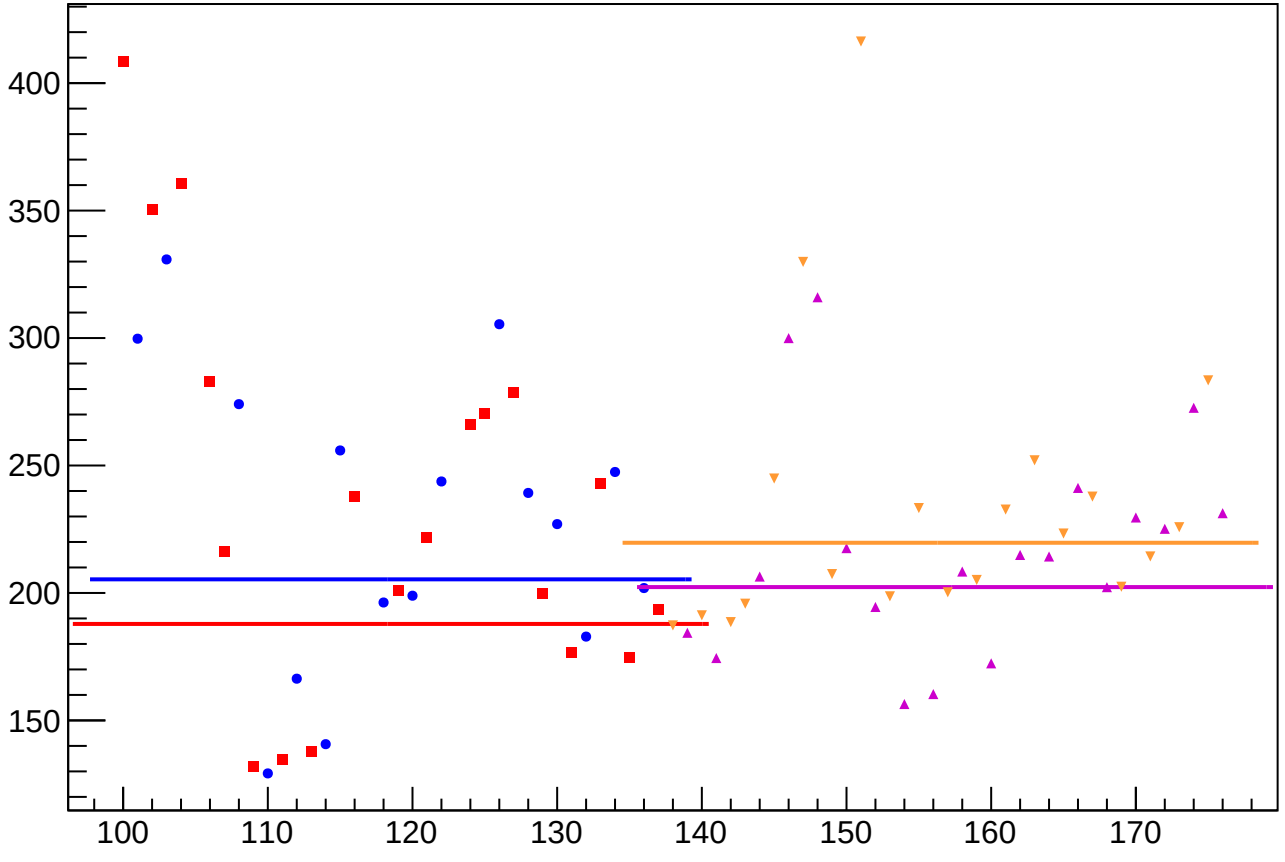
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 179.373+/-44.298 χ^2/NDF:1596.5/34

Out: 159.467+/-44.836 χ^2/NDF:2510.2/38

All: 169.540+/-31.512 χ^2/NDF: 4106.9/73

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.694+/-0.040 χ^2/NDF:878678.0/19

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 202.308+/-0.038 χ^2/NDF:988106.7/18

Left: 210.445+/-0.027 χ^2/NDF: 1967010.5/38

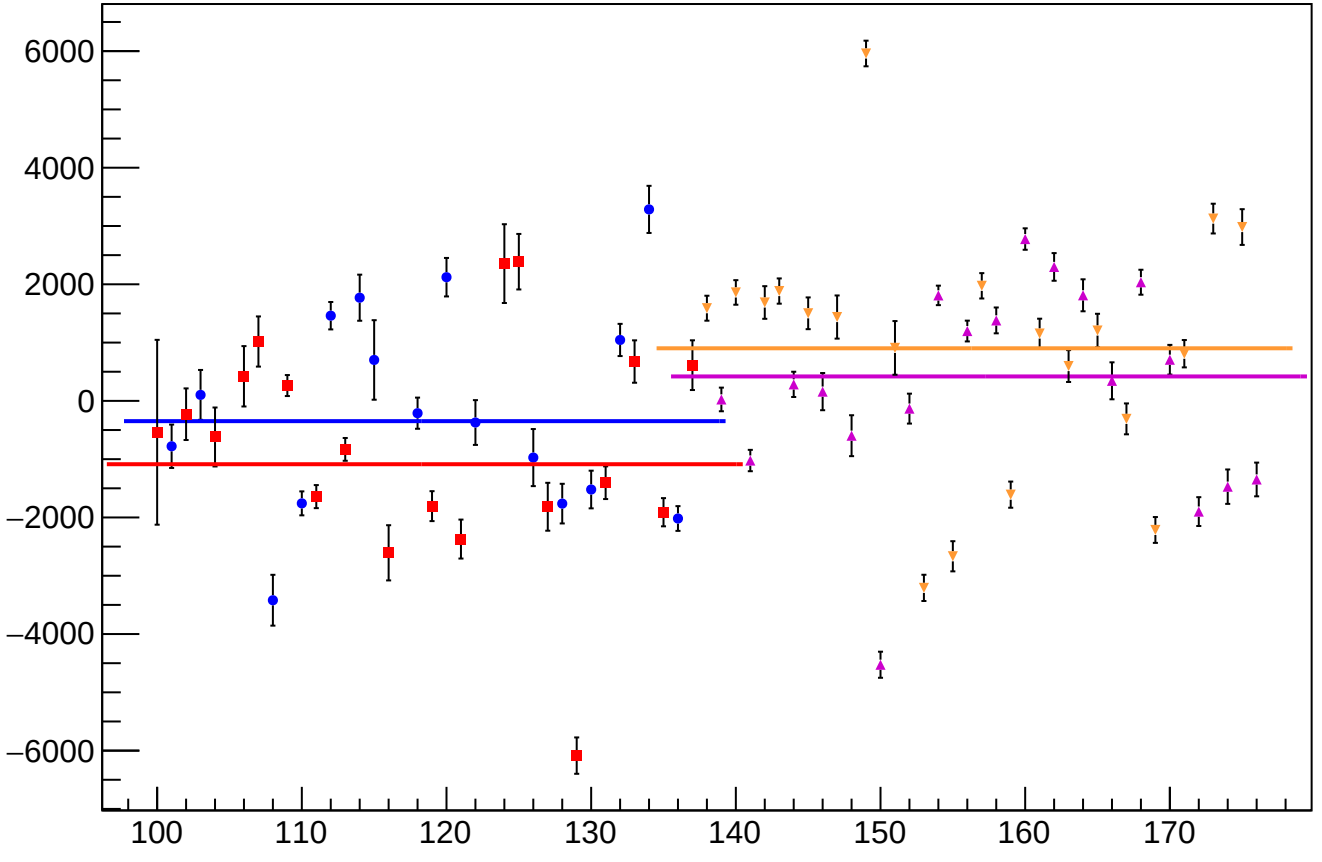
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.233+/-0.031 χ^2/NDF:1867493.2/34

Out: 207.799+/-0.032 χ^2/NDF:2451822.7/38

All: 205.488+/-0.022 χ^2/NDF: 4329814.6/73

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 902.062+/-55.907 χ^2/NDF:1612.4/19

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 419.297+/-52.442 χ^2/NDF:1152.3/18

Left: 645.258+/-38.249 χ^2/NDF: 2804.3/38

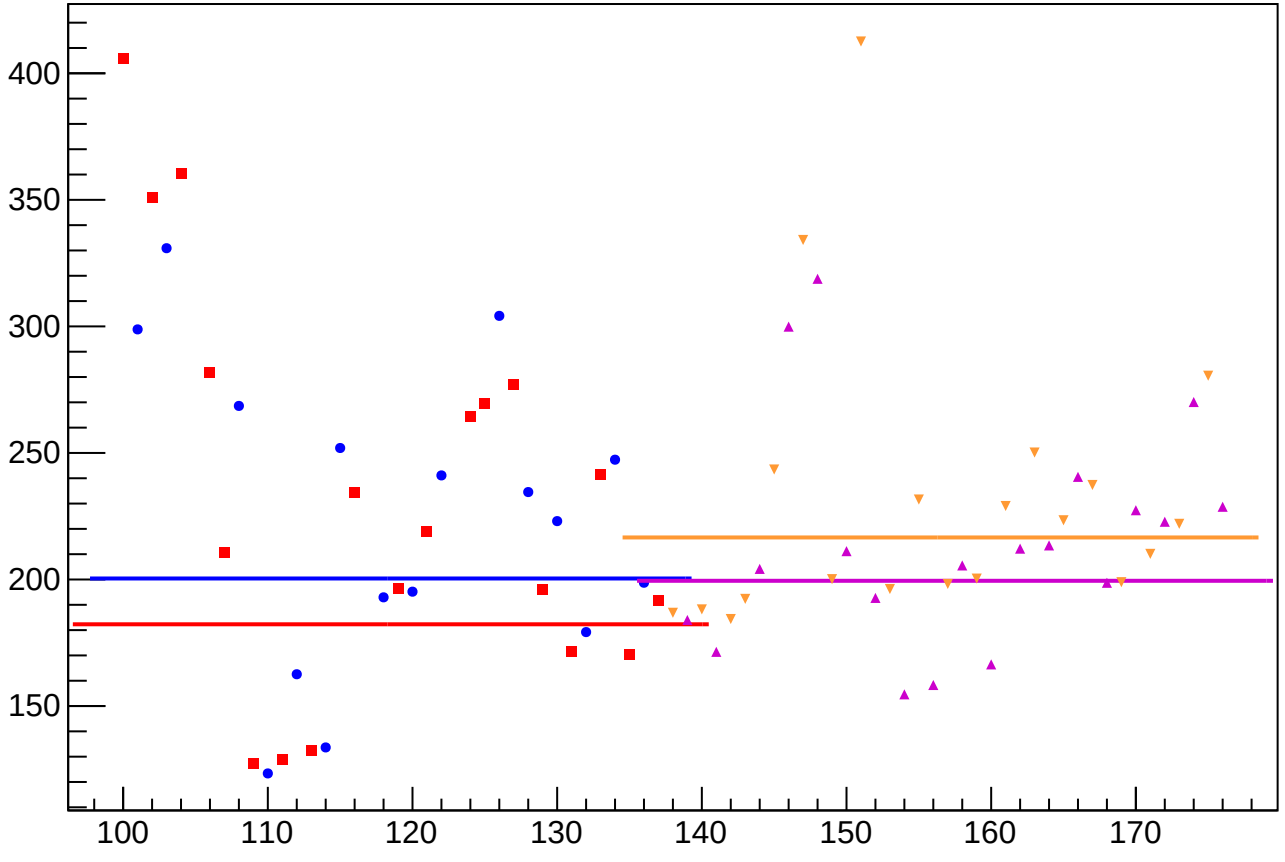
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 182.907+/-43.618 χ^2/NDF:1664.0/34

Out: 148.017+/-44.051 χ^2/NDF:2619.3/38

All: 165.634+/-30.995 χ^2/NDF: 4283.7/73

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.612+/-0.040 χ^2/NDF:919648.0/19

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 199.486+/-0.037 χ^2/NDF:1033521.4/18

Left: 207.502+/-0.027 χ^2/NDF: 2053008.3/38

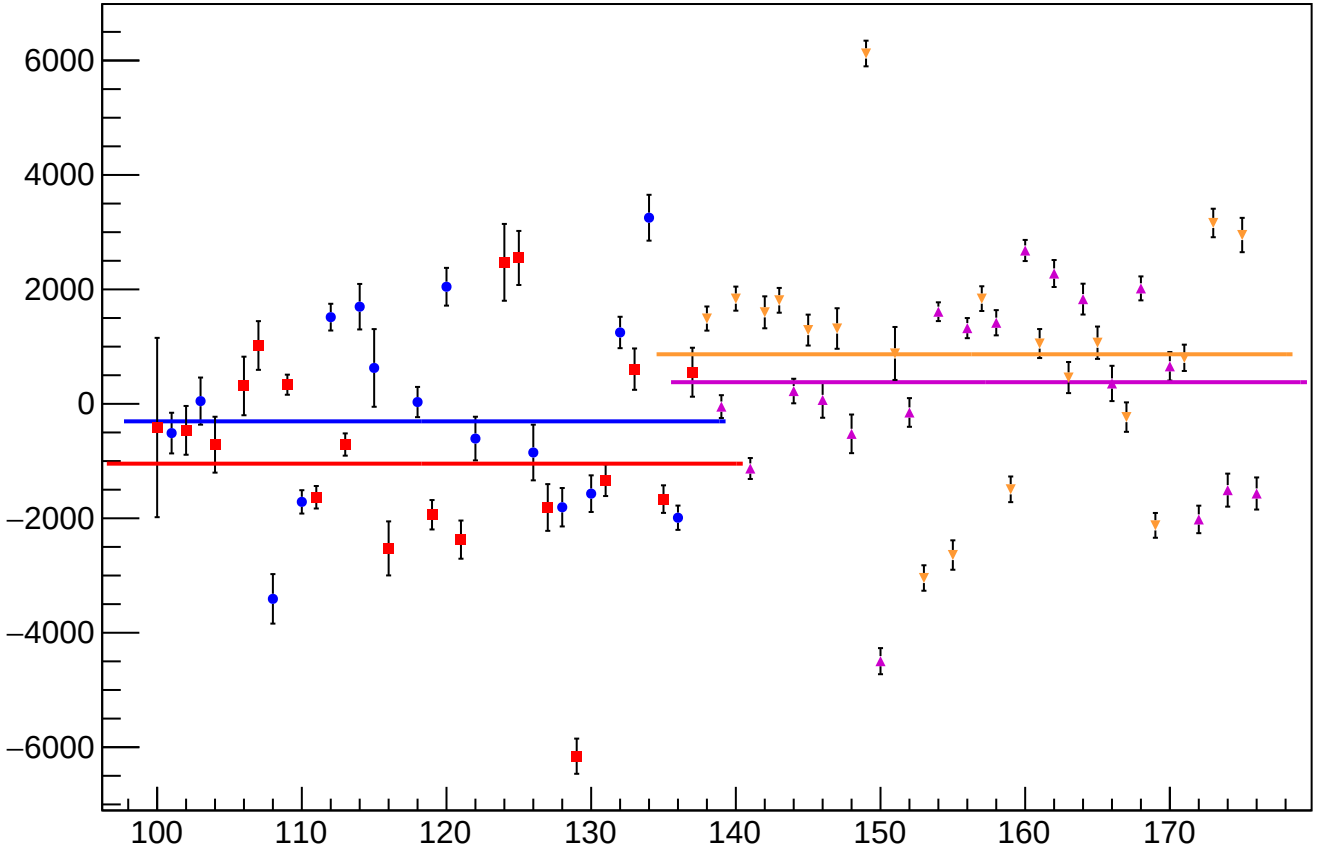
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.767+/-0.031 χ^2/NDF:1992709.0/34

Out: 203.603+/-0.031 χ^2/NDF:2652460.9/38

All: 201.666+/-0.022 χ^2/NDF: 4652826.7/73

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 866.379+/-55.364 χ^2/NDF:1580.0/19

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 378.612+/-51.739 χ^2/NDF:1151.8/18

Left: 606.008+/-37.802 χ^2/NDF: 2773.3/38

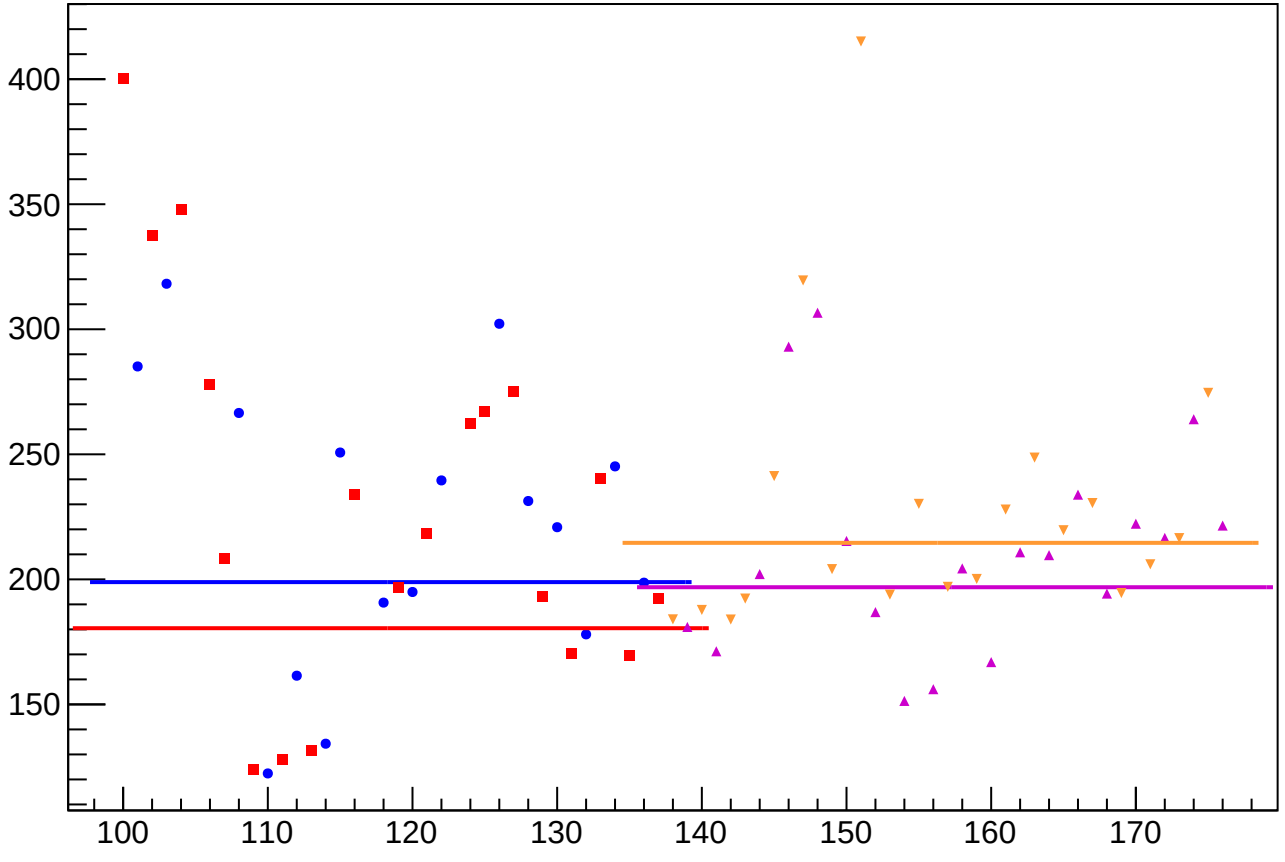
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 169.041+/-43.094 χ^2/NDF:1657.2/34

Out: 141.343+/-43.618 χ^2/NDF:2584.3/38

All: 155.359+/-30.656 χ^2/NDF: 4241.7/73

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 214.604+/-0.039 χ^2/NDF:885900.5/19

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 196.858+/-0.037 χ^2/NDF:985805.4/18

Left: 205.131+/-0.027 χ^2/NDF: 1981391.1/38

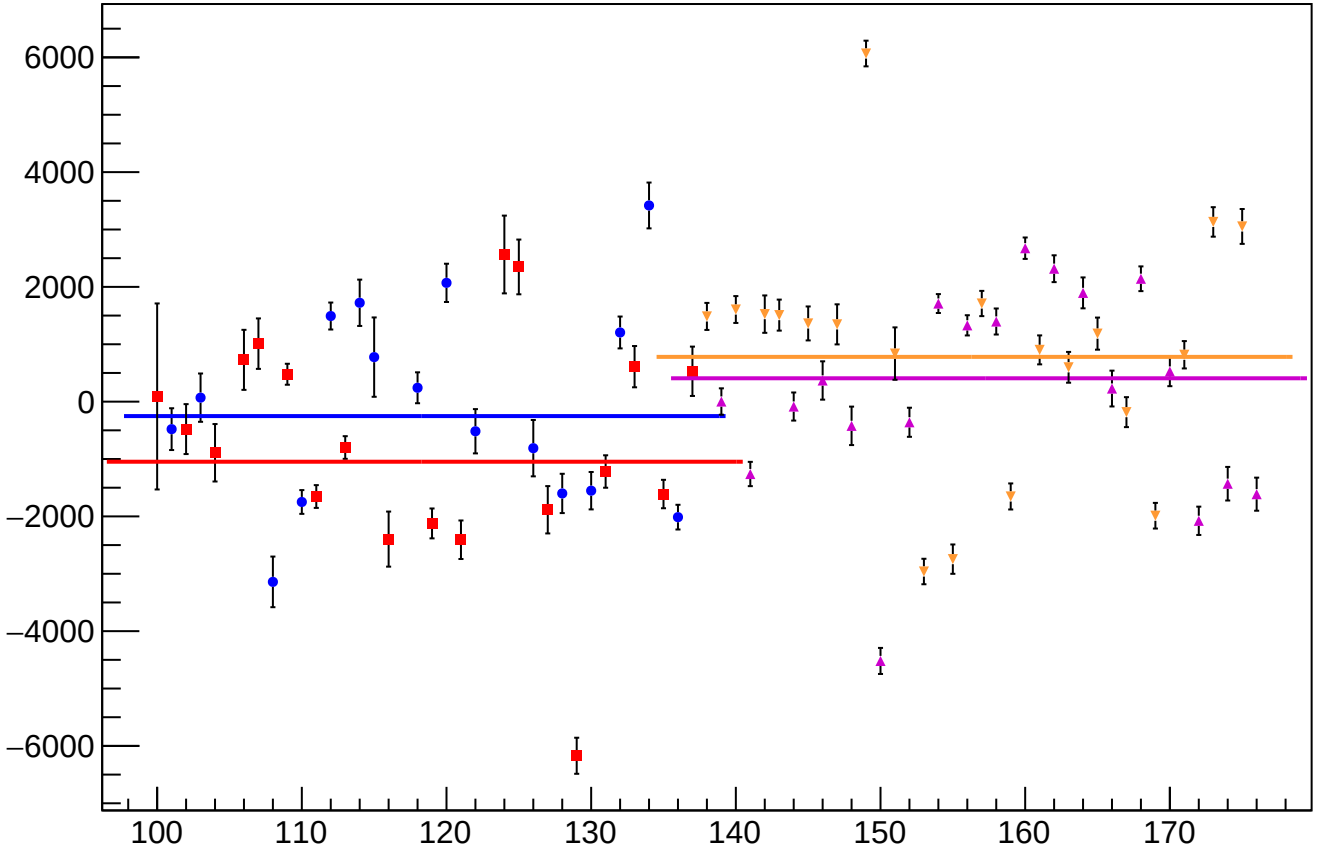
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.484+/-0.030 χ^2/NDF:1899526.6/34

Out: 201.658+/-0.031 χ^2/NDF:2608649.5/38

All: 199.546+/-0.022 χ^2/NDF: 4517443.0/73

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 780.193+/-57.739 χ^2/NDF:1513.9/19

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 407.120+/-53.664 χ^2/NDF:1164.4/18

Left: 580.029+/-39.308 χ^2/NDF: 2700.7/38

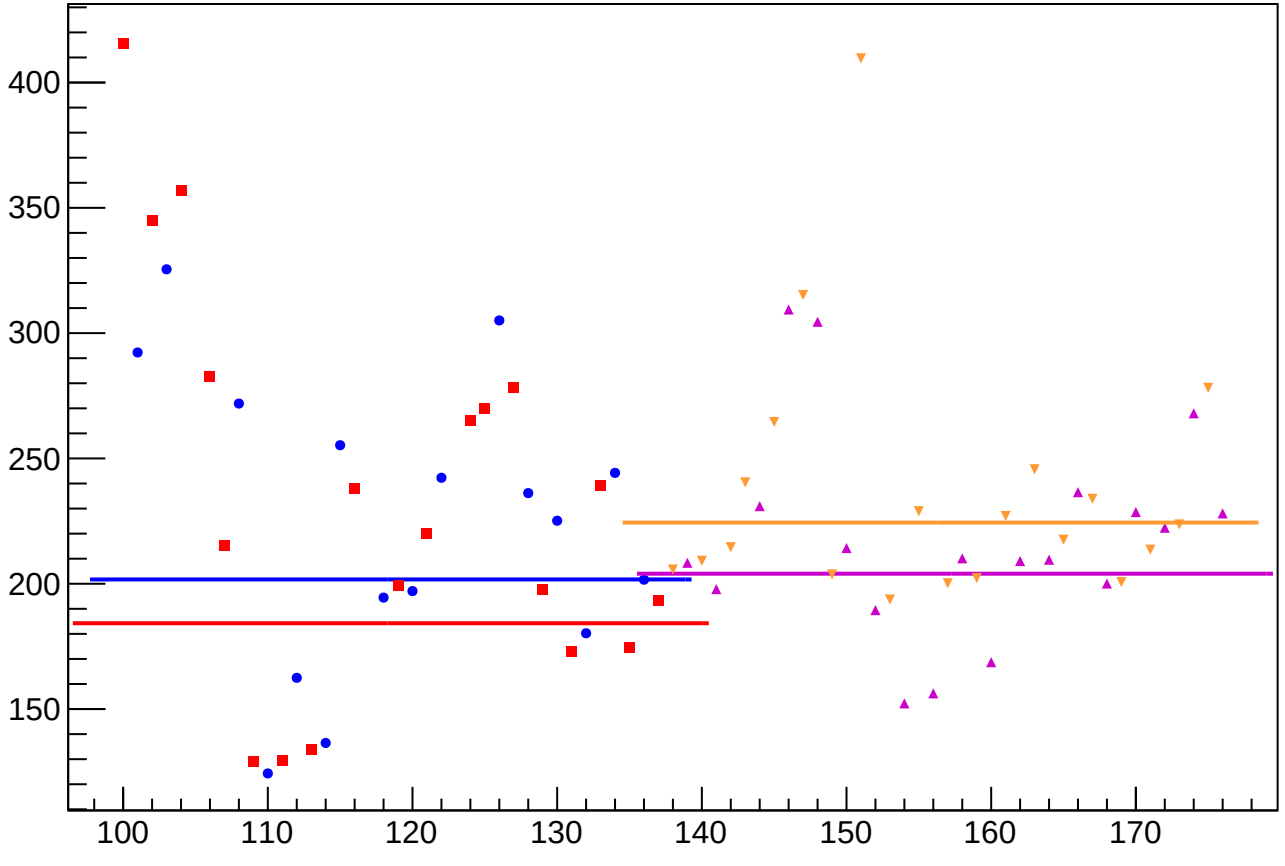
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 198.980+/-44.386 χ^2/NDF:1653.2/34

Out: 67.291+/-45.090 χ^2/NDF:2451.4/38

All: 134.172+/-31.632 χ^2/NDF: 4108.9/73

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.408+/-0.041 χ^2/NDF:736183.5/19

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 204.016+/-0.038 χ^2/NDF:997099.3/18

Left: 213.467+/-0.028 χ^2/NDF: 1867134.3/38

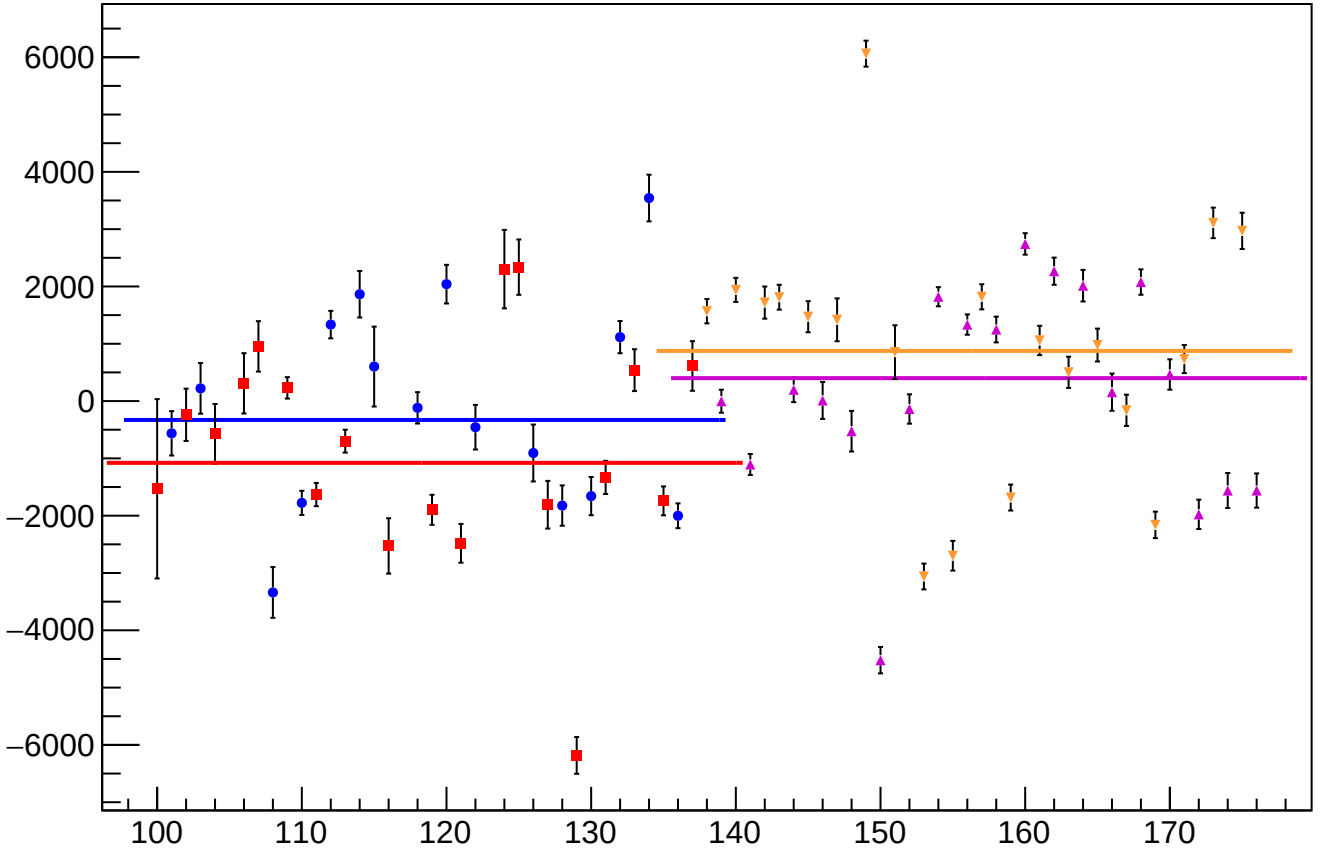
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 203.289+/-0.031 χ^2/NDF:1922472.2/34

Out: 208.739+/-0.032 χ^2/NDF:2517509.1/38

All: 205.971+/-0.022 χ^2/NDF: 4454821.1/73

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 874.956+/-56.583 χ^2/NDF:1542.1/19

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 400.103+/-53.006 χ^2/NDF:1137.9/18

Left: 622.047+/-38.684 χ^2/NDF: 2717.5/38

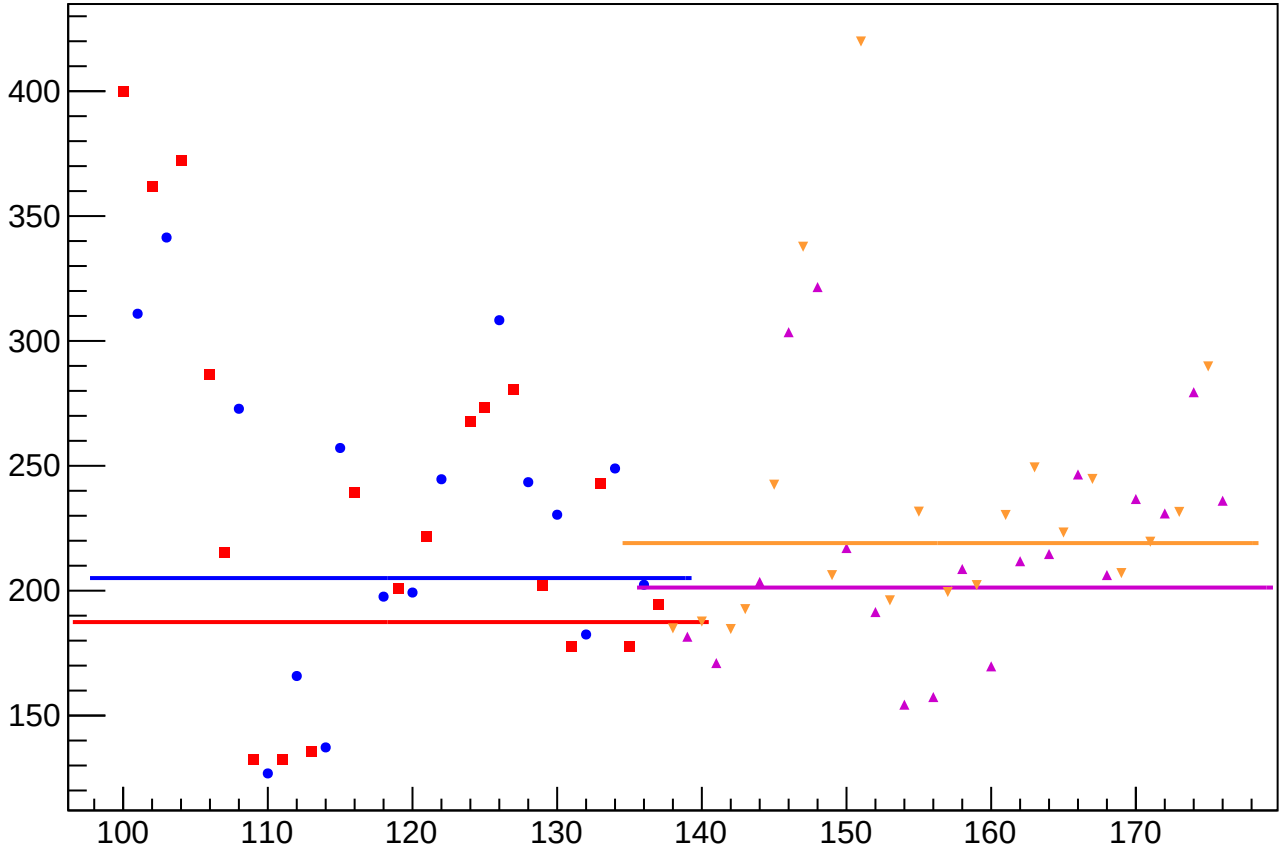
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 178.971+/-44.248 χ^2/NDF:1631.7/34

Out: 147.092+/-44.814 χ^2/NDF:2488.0/38

All: 163.234+/-31.486 χ^2/NDF: 4120.0/73

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.058+/-0.040 χ^2/NDF:955760.3/19

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 201.254+/-0.037 χ^2/NDF:1126014.8/18

Left: 209.576+/-0.027 χ^2/NDF: 2187238.7/38

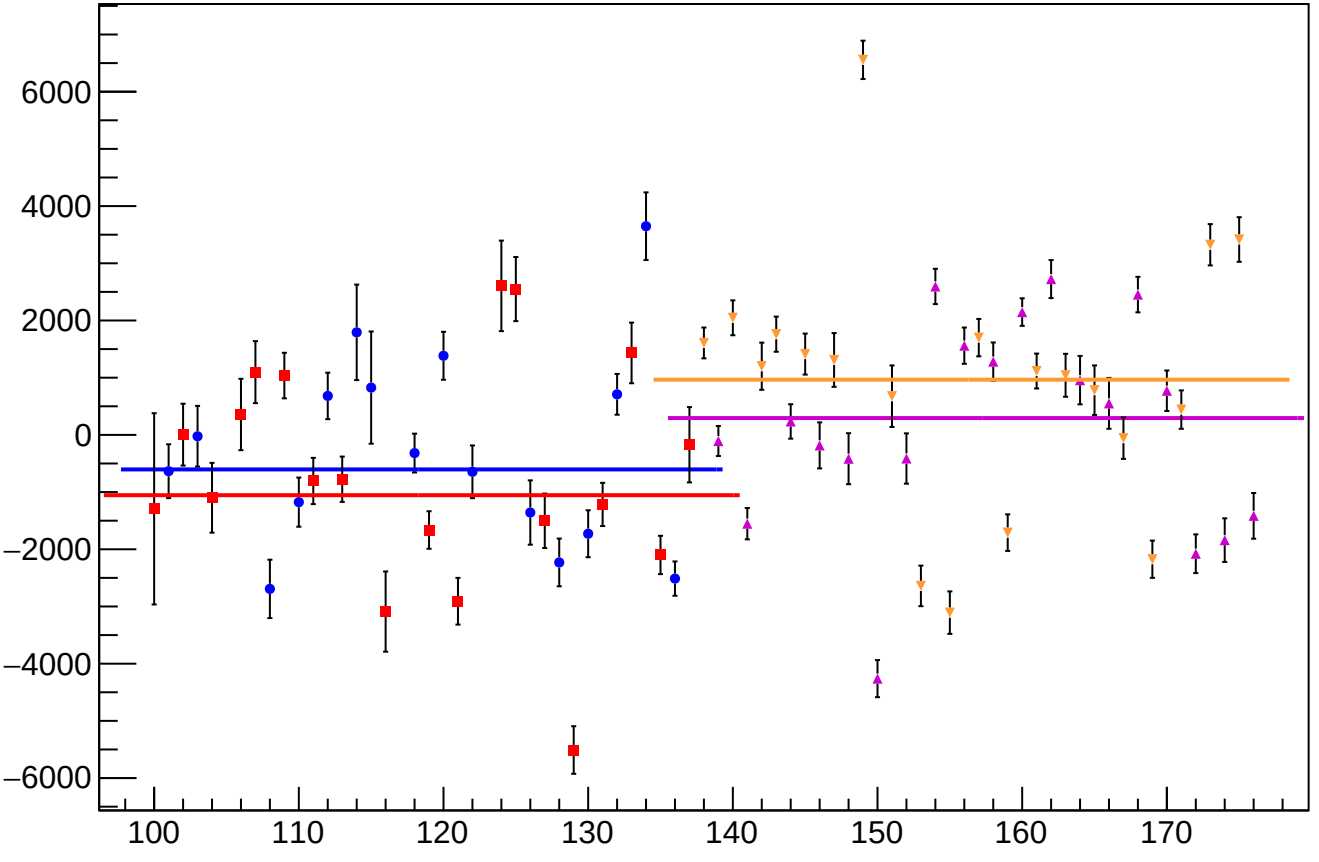
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.406+/-0.031 χ^2/NDF:2092180.9/34

Out: 207.270+/-0.032 χ^2/NDF:2599455.6/38

All: 204.807+/-0.022 χ^2/NDF: 4703568.6/73

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 965.057+/-78.245 χ^2/NDF:790.1/19

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 294.033+/-76.409 χ^2/NDF:595.9/18

Left: 621.581+/-54.667 χ^2/NDF: 1423.6/38

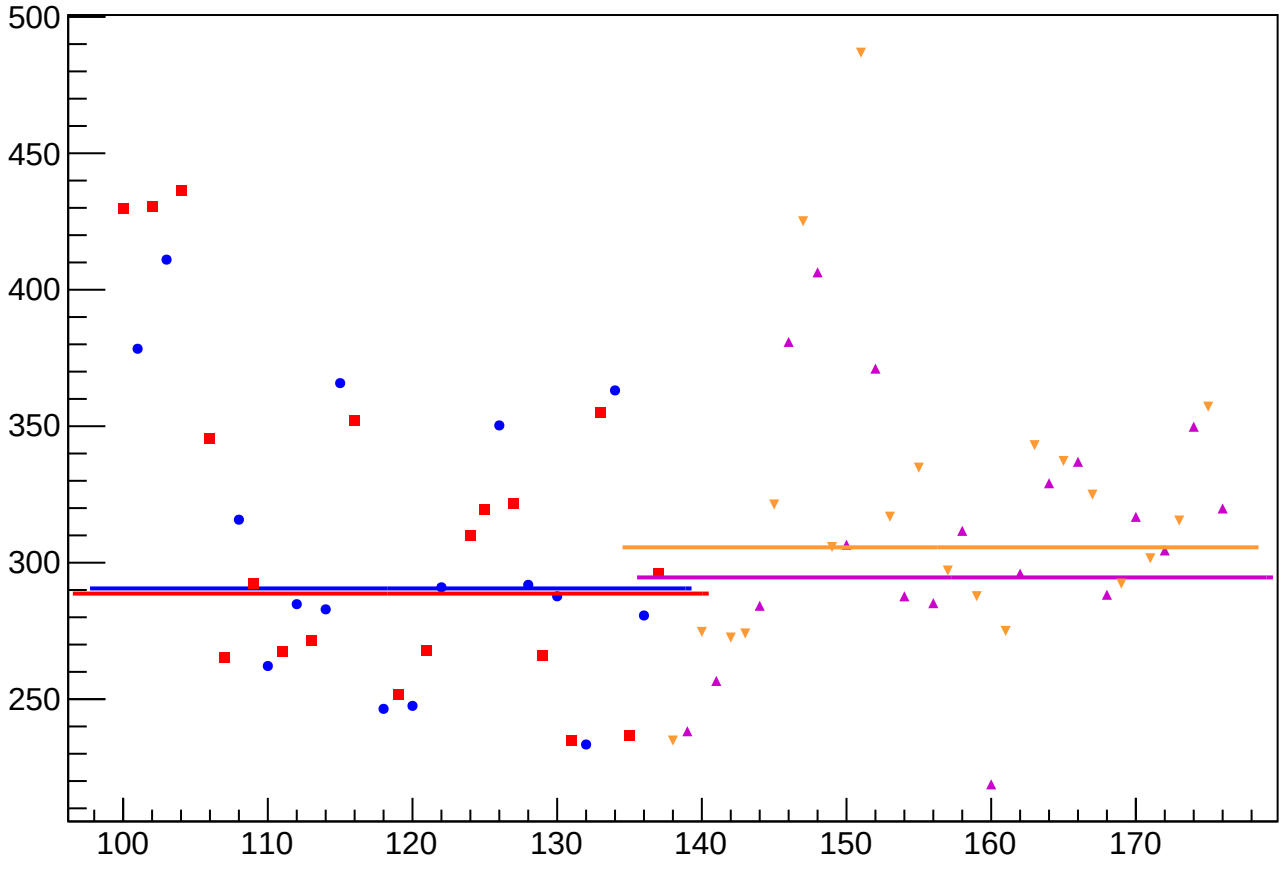
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 4.268+/-62.883 χ^2/NDF:834.0/34

Out: 272.098+/-63.417 χ^2/NDF:1316.4/38

All: 137.051+/-44.652 χ^2/NDF: 2159.3/73

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 305.631+/-0.055 χ^2/NDF:670952.2/19

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 294.599+/-0.054 χ^2/NDF:711768.2/18

Left: 299.984+/-0.039 χ^2/NDF: 1403067.9/38

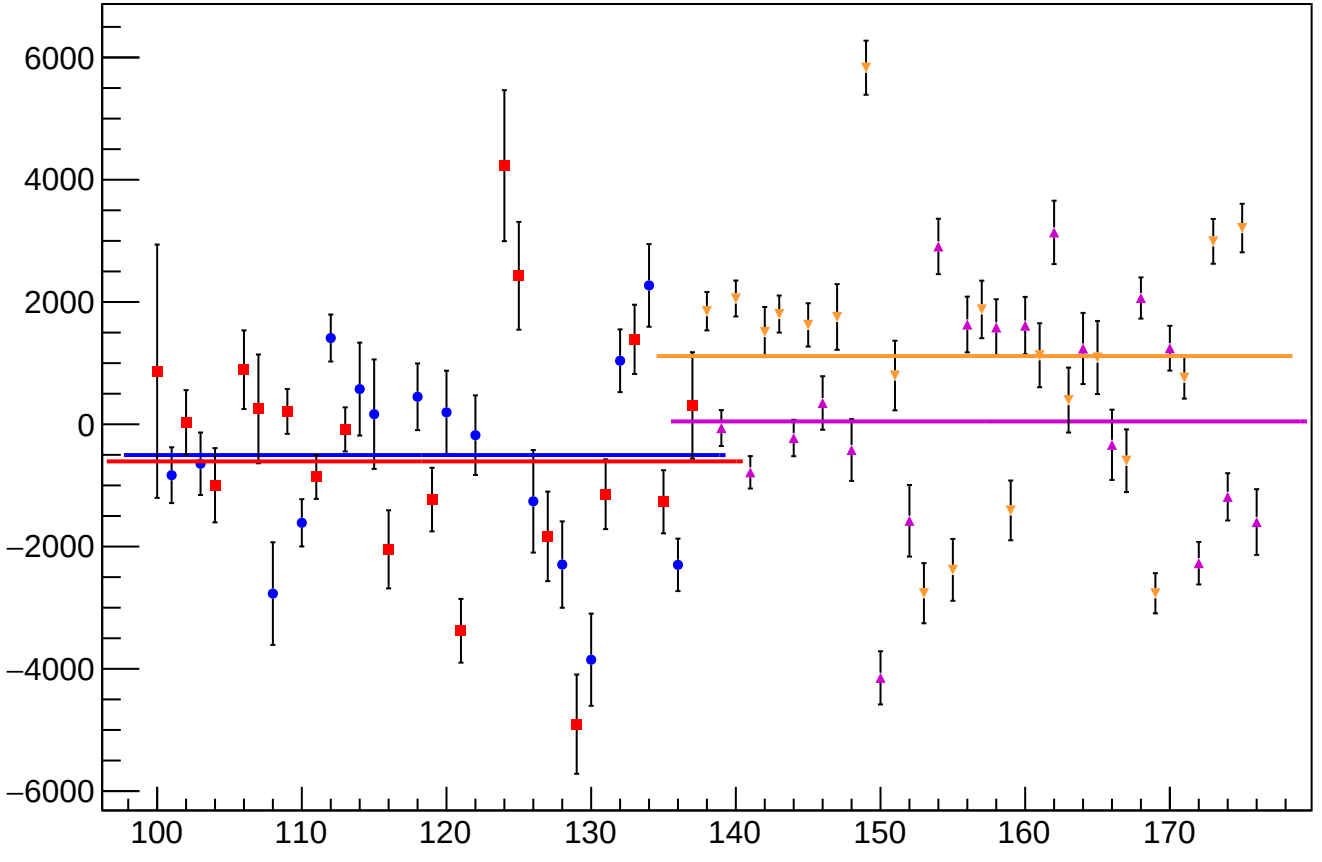
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.298+/-0.044 χ^2/NDF:1073373.5/34

Out: 299.817+/-0.045 χ^2/NDF:1192229.1/38

All: 296.530+/-0.032 χ^2/NDF: 2276258.3/73

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1115.616+/-91.166 χ^2/NDF:486.2/19

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 46.794+/-92.148 χ^2/NDF:338.0/18

Left: 586.928+/-64.809 χ^2/NDF: 892.2/38

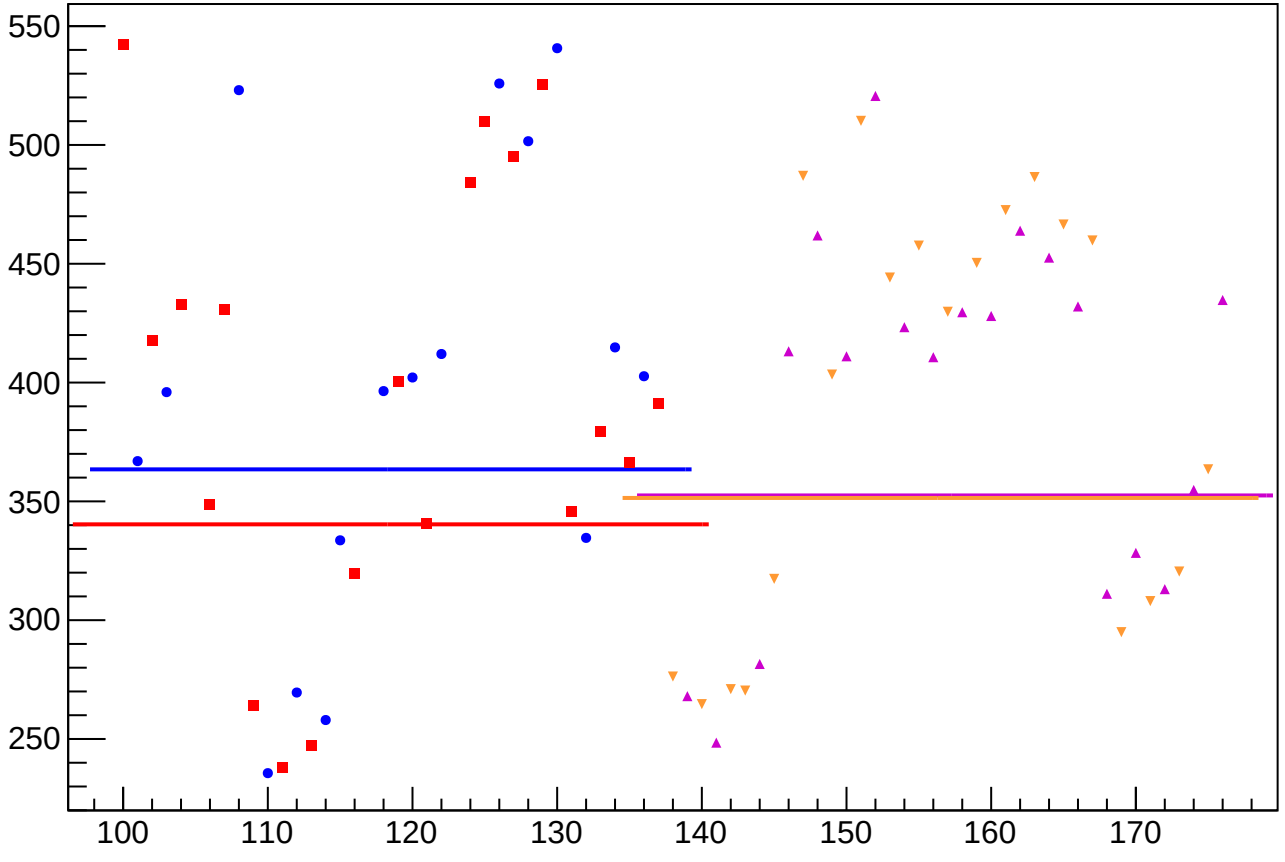
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -119.502+/-76.981 χ^2/NDF:467.0/34

Out: 545.470+/-74.567 χ^2/NDF:729.5/38

All: 223.572+/-53.560 χ^2/NDF: 1235.1/73

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 351.439+/-0.064 χ^2/NDF:1642056.0/19

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 352.493+/-0.065 χ^2/NDF:1411287.6/18

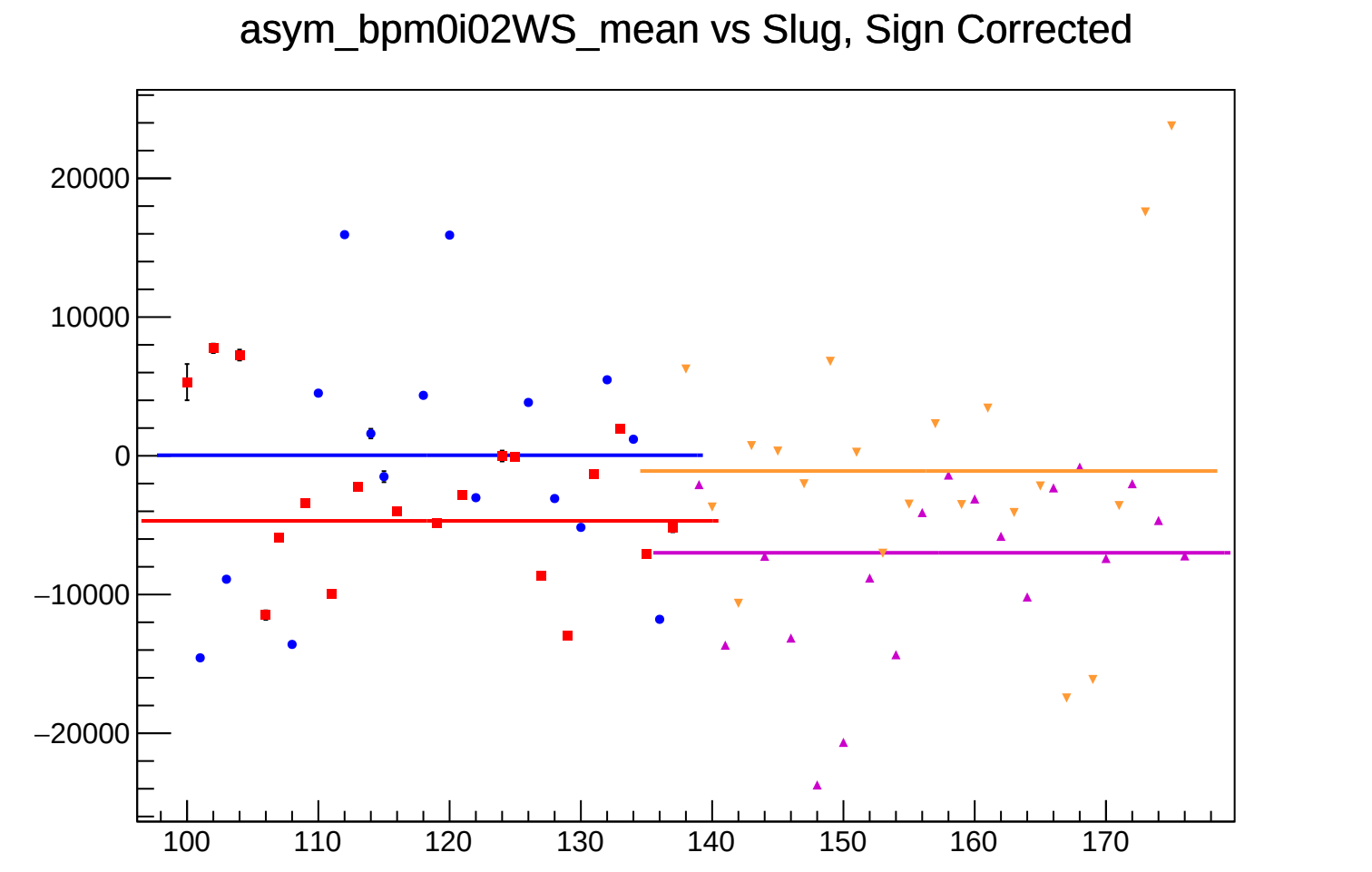
Left: 351.960+/-0.046 χ^2/NDF: 3053476.0/38

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

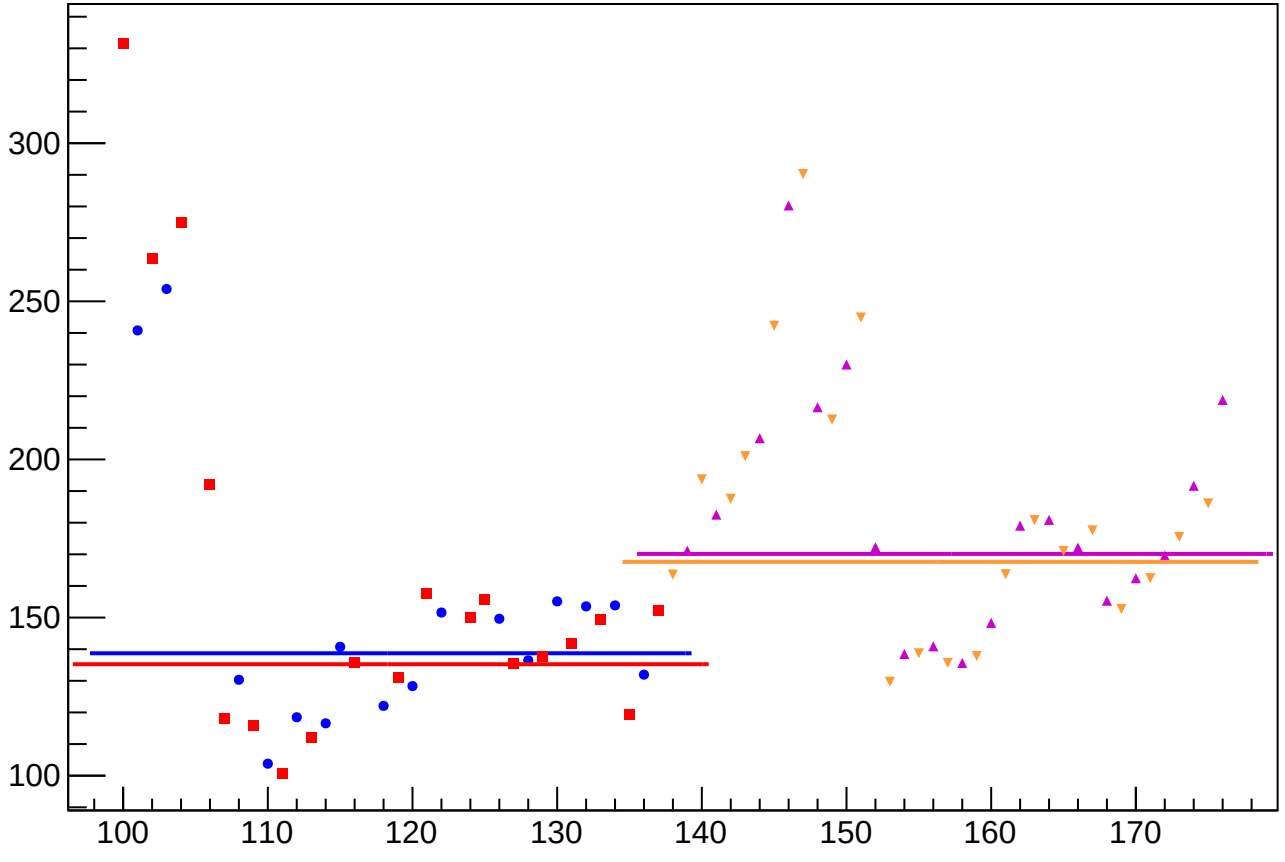
In: 355.810+/-0.054 χ^2/NDF:2200755.8/34

Out: 347.762+/-0.053 χ^2/NDF:2508111.6/38

All: 351.658+/-0.038 χ^2/NDF: 4720143.2/73


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -1094.660+/-43.346 χ²/NDF:46148.1/19
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -6991.813+/-44.595 χ²/NDF:17738.2/18
Left: -3959.442+/-31.082 χ²/NDF: 72878.0/38
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4152.660+/-34.437 χ²/NDF:58564.4/34
Out: -2565.360+/-33.320 χ²/NDF:56757.9/38
All: -3332.860+/-23.946 χ²/NDF: 116419.6/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.615+/-0.031 χ^2/NDF:1179557.0/19

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

Left: 168.832+/-0.022 χ^2/NDF: 2134540.5/38

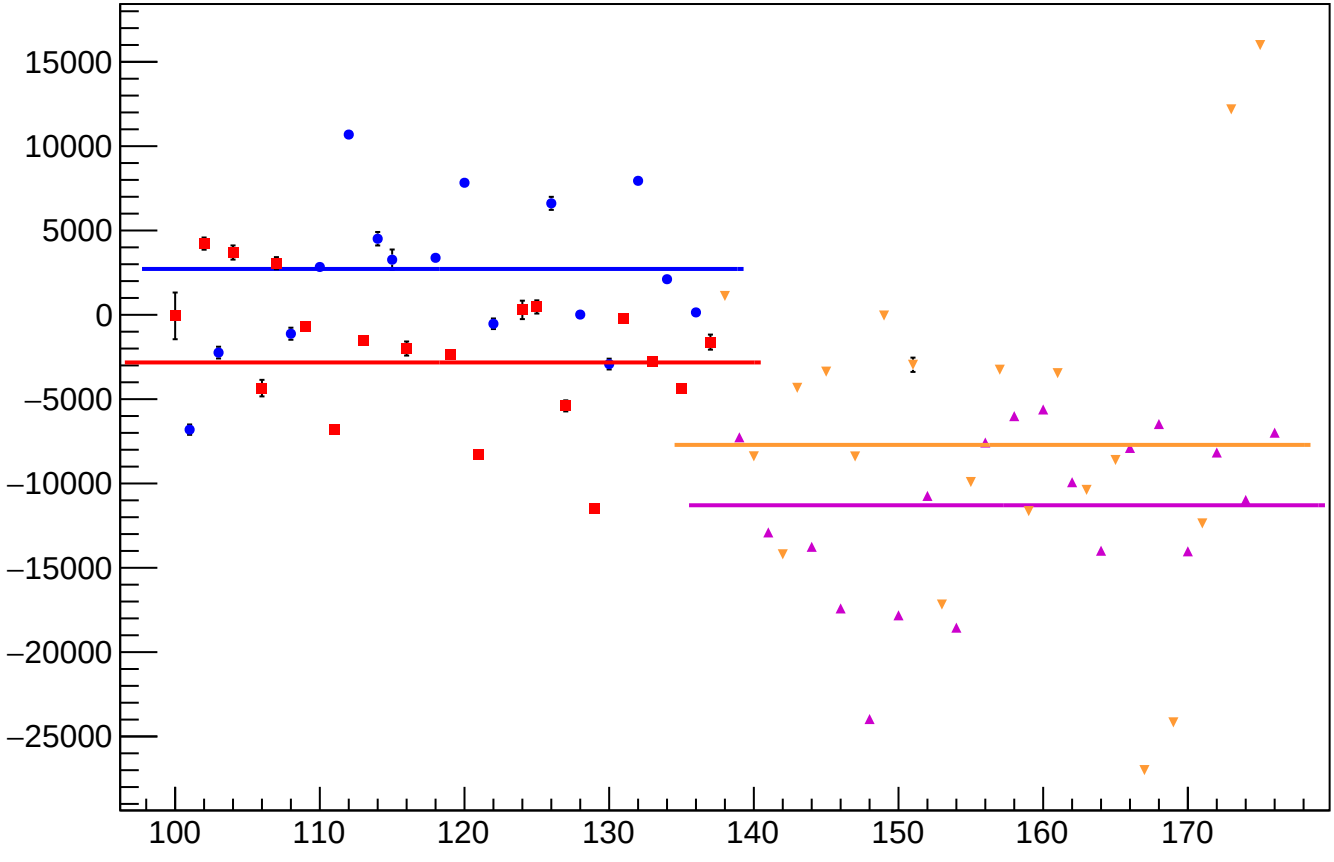
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 157.441+/-0.024 χ^2/NDF:2010028.3/34

Out: 154.373+/-0.024 χ^2/NDF:2525869.7/38

All: 155.856+/-0.017 χ^2/NDF: 4544095.3/73

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7712.176+/-50.902 χ^2/NDF:39148.6/19

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11291.807+/-47.500 χ^2/NDF:10841.7/18

Left: -9625.609+/-34.728 χ^2/NDF: 52633.9/38

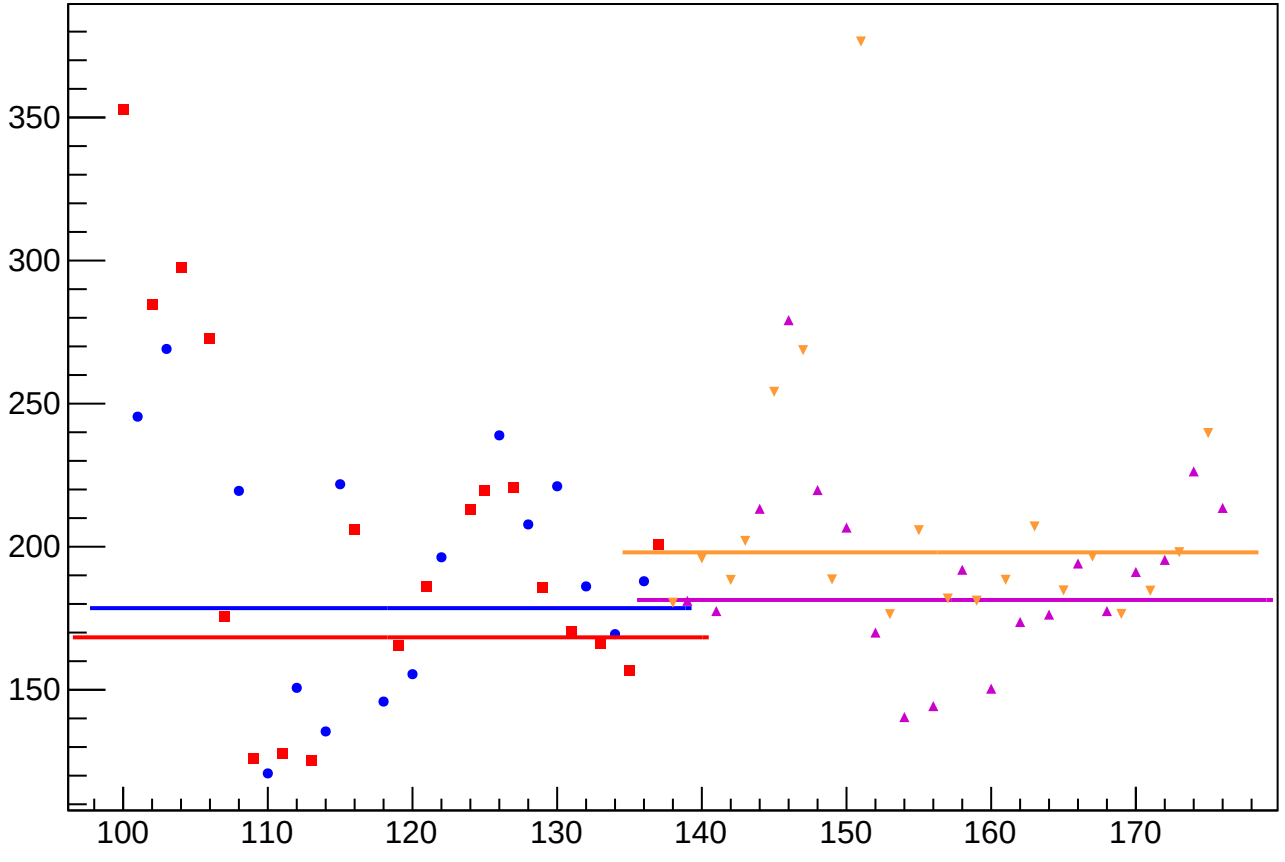
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6808.465+/-39.170 χ^2/NDF:42813.5/34

Out: -5848.556+/-40.041 χ^2/NDF:45727.5/38

All: -6339.058+/-28.000 χ^2/NDF: 88834.7/73

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.029+/-0.036 χ^2/NDF:716878.9/19

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

Left: 189.135+/-0.025 χ^2/NDF: 1611615.6/38

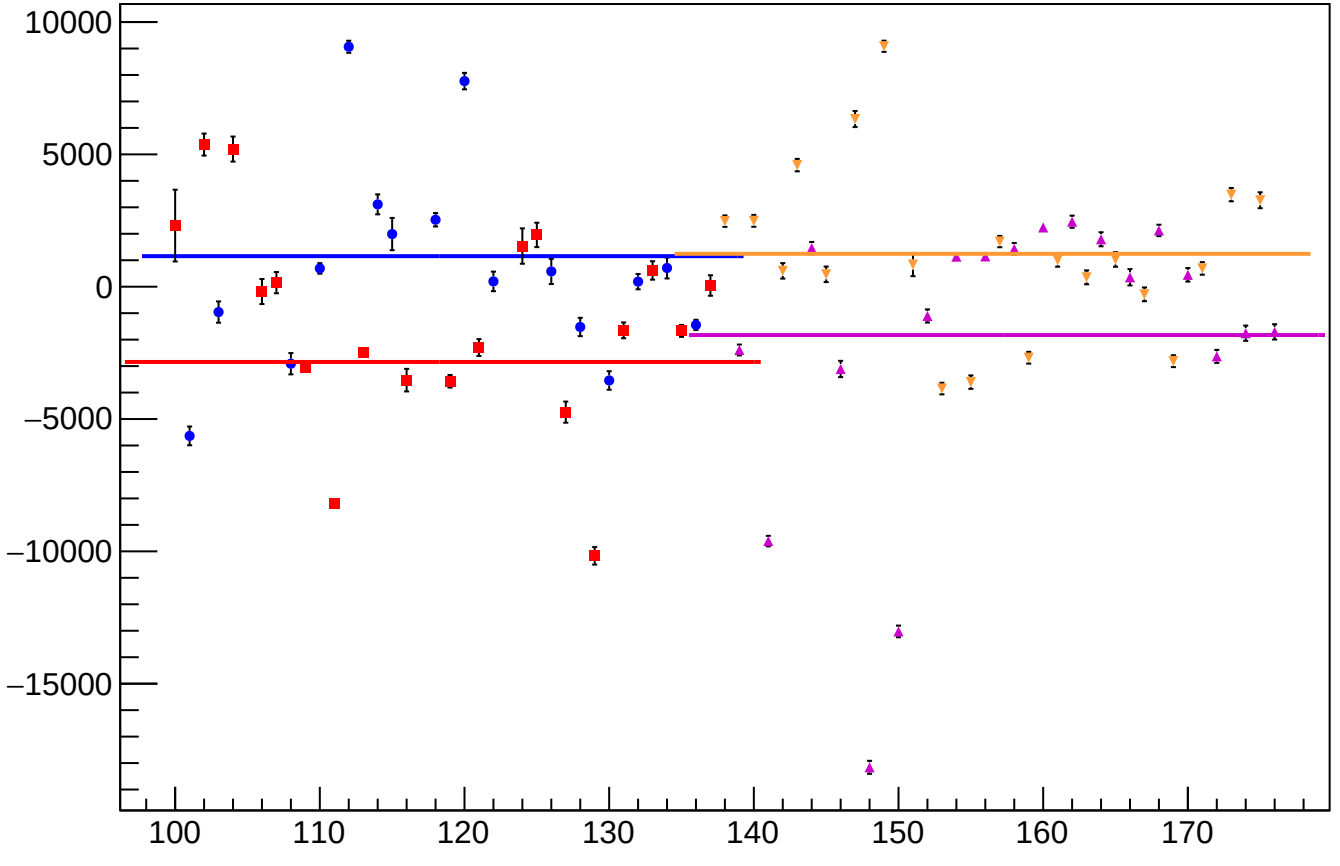
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 180.479+/-0.028 χ^2/NDF:1457388.9/34

Out: 186.709+/-0.028 χ^2/NDF:1955832.1/38

All: 183.525+/-0.020 χ^2/NDF: 3437959.0/73

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1242.304+/-55.779 χ^2/NDF:3662.1/19

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1827.108+/-51.942 χ^2/NDF:11093.3/18

Left: -401.599+/-38.012 χ^2/NDF: 16377.2/38

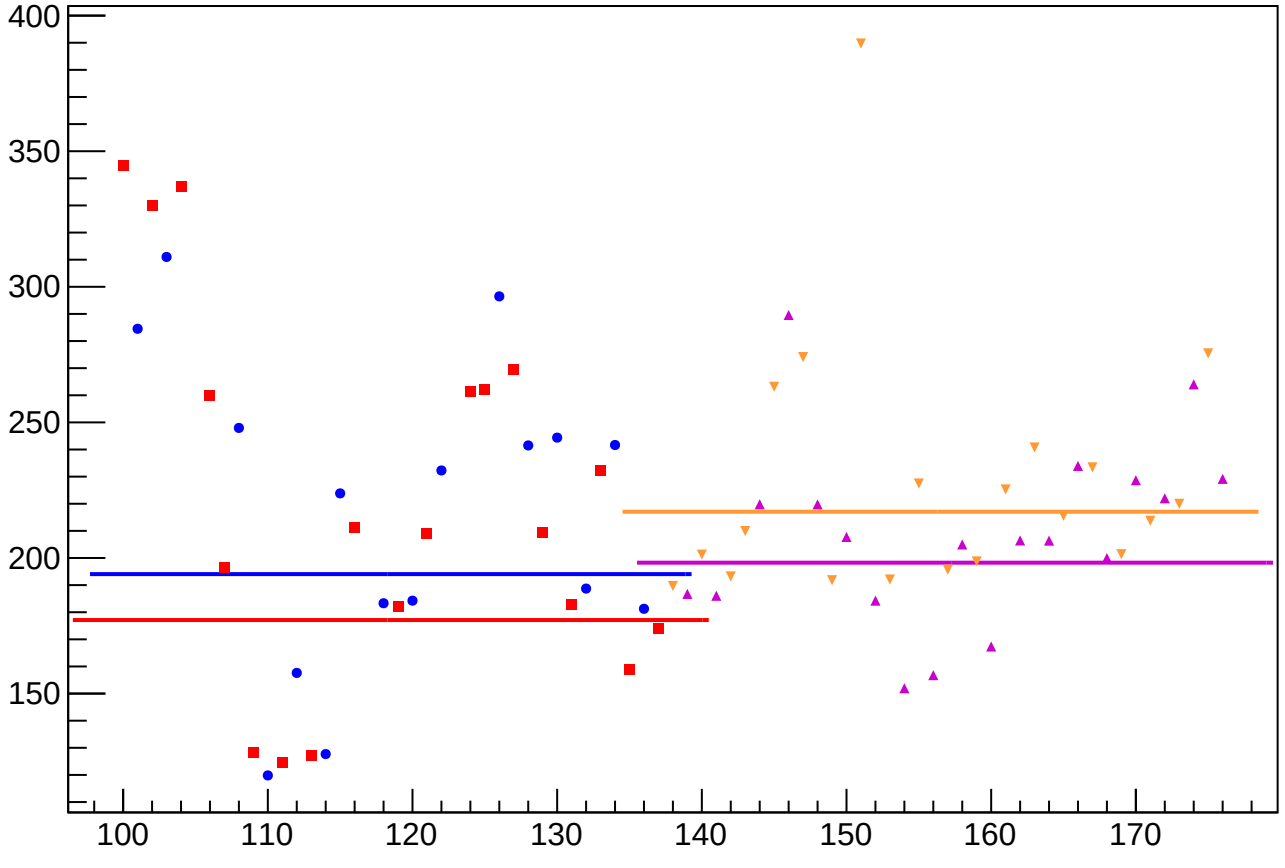
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -877.304+/-42.875 χ^2/NDF:14798.1/34

Out: -368.706+/-43.412 χ^2/NDF:8231.1/38

All: -626.170+/-30.506 χ^2/NDF: 23098.7/73

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 217.058+/-0.039 χ^2/NDF:688846.2/19

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

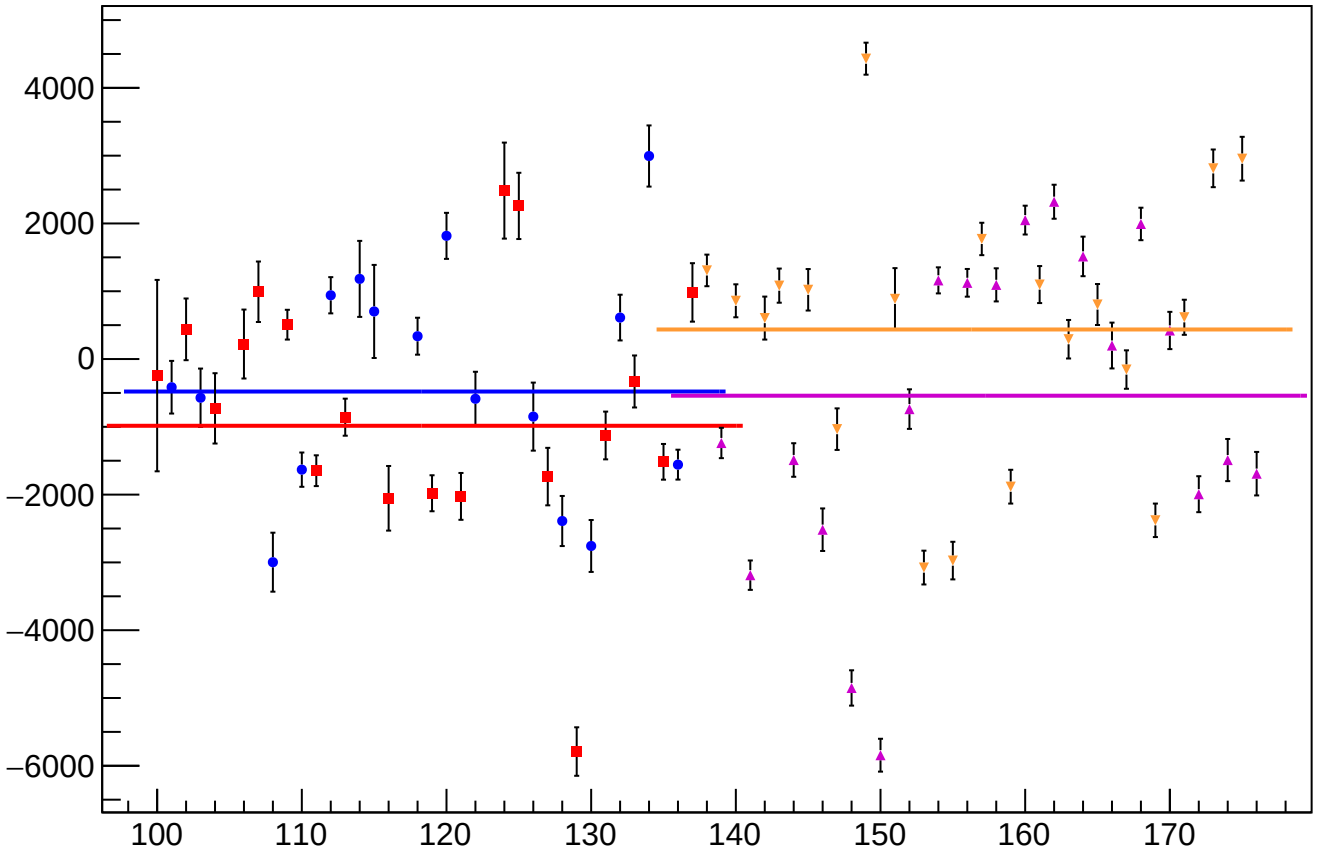
Left: 206.995+/-0.027 χ^2/NDF: 1573524.5/38

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.926+/-0.030 χ^2/NDF:1733132.0/34

Out: 201.310+/-0.031 χ^2/NDF:2452536.6/38

All: 199.091+/-0.022 χ^2/NDF: 4195994.2/73



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 436.015+/-60.759 χ^2/NDF:1081.5/19

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -540.953+/-57.502 χ^2/NDF:1665.0/18

Left: -79.350+/-41.764 χ^2/NDF: 2882.9/38

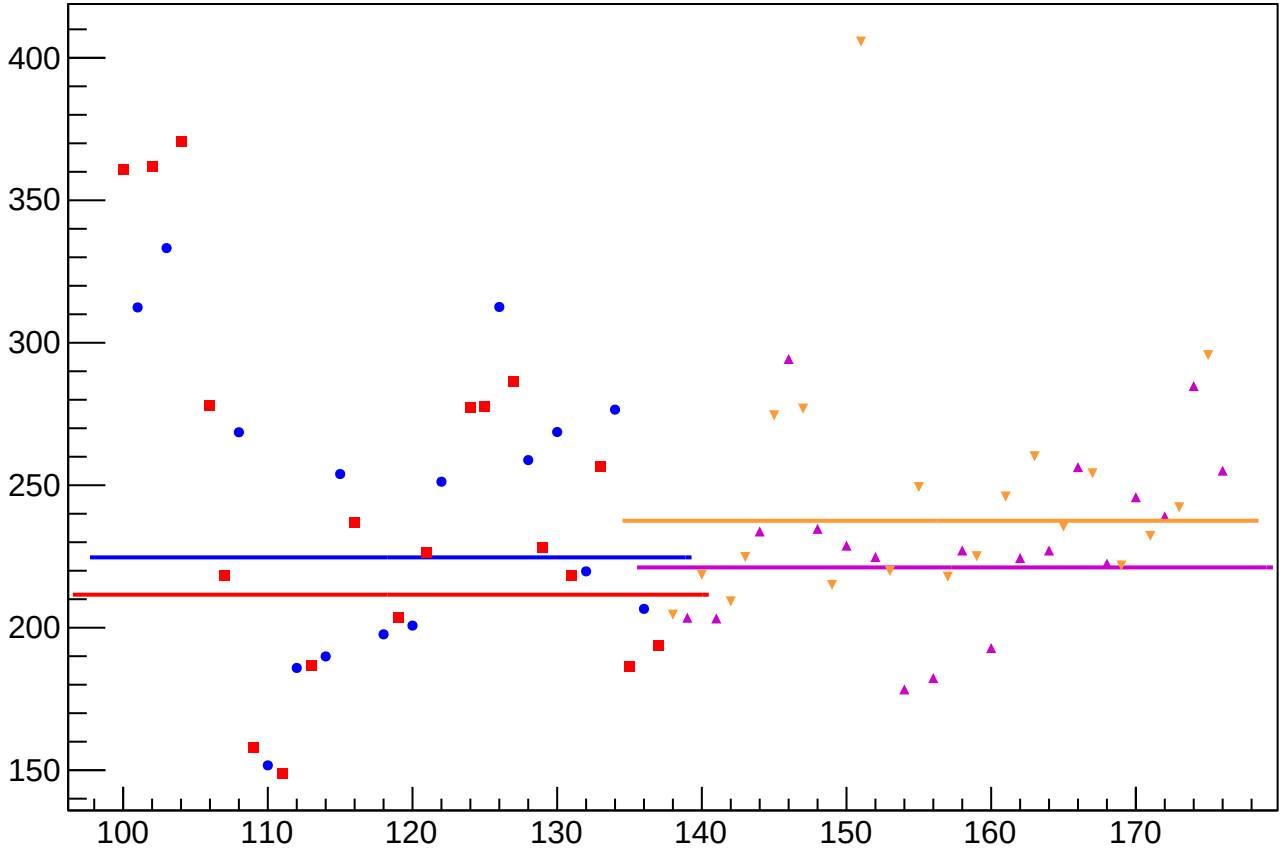
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -522.114+/-47.918 χ^2/NDF:1970.8/34

Out: -75.907+/-48.593 χ^2/NDF:1676.6/38

All: -302.129+/-34.119 χ^2/NDF: 3690.2/73

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 237.539+/-0.043 χ^2/NDF:556343.2/19

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

Left: 228.898+/-0.030 χ^2/NDF: 1143109.1/38

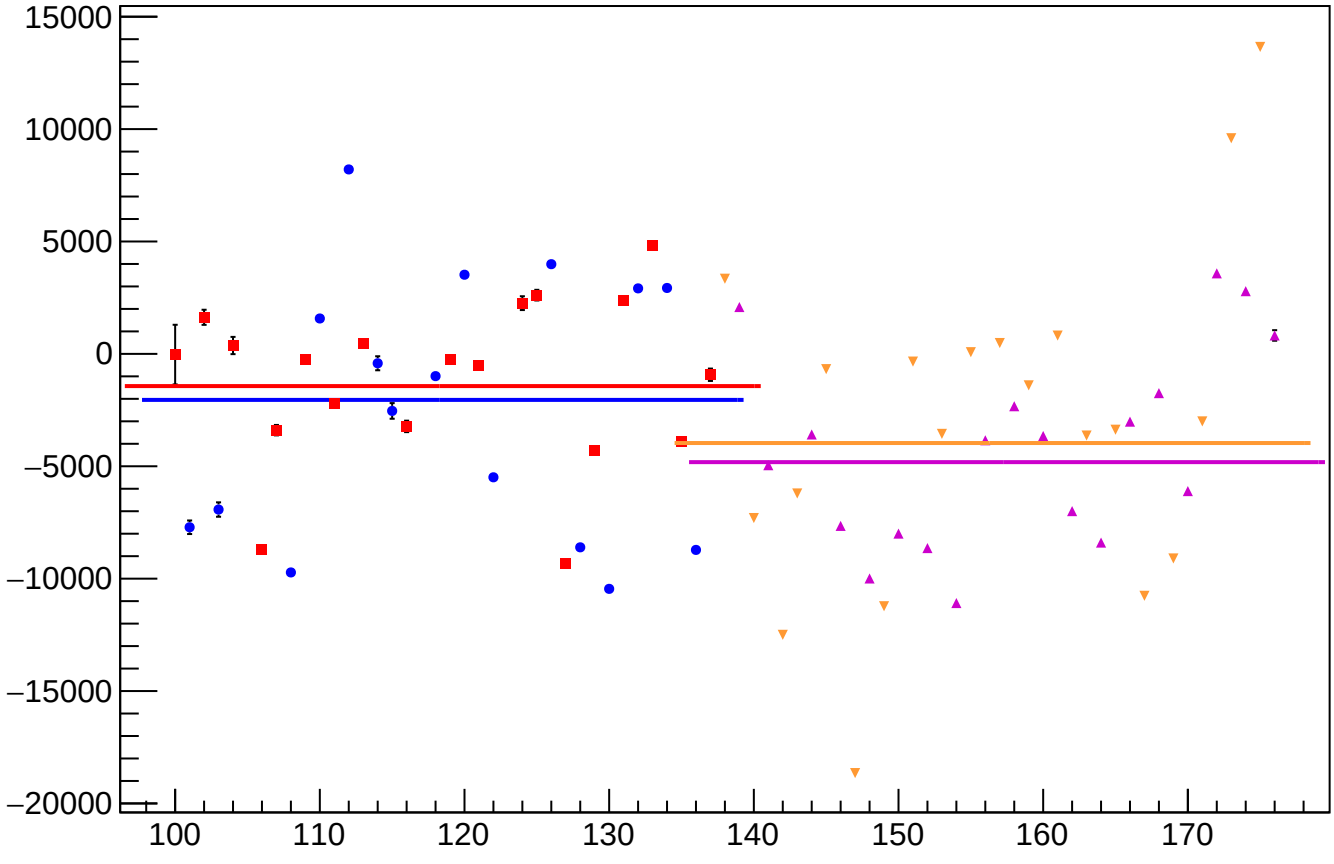
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 222.235+/-0.034 χ^2/NDF:1165559.6/34

Out: 228.190+/-0.034 χ^2/NDF:1620665.7/38

All: 225.171+/-0.024 χ^2/NDF: 2801453.1/73

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3966.073+/-32.259 χ^2/NDF:46909.8/19

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4816.123+/-33.157 χ^2/NDF:15227.7/18

Left: -4379.439+/-23.121 χ^2/NDF: 62475.2/38

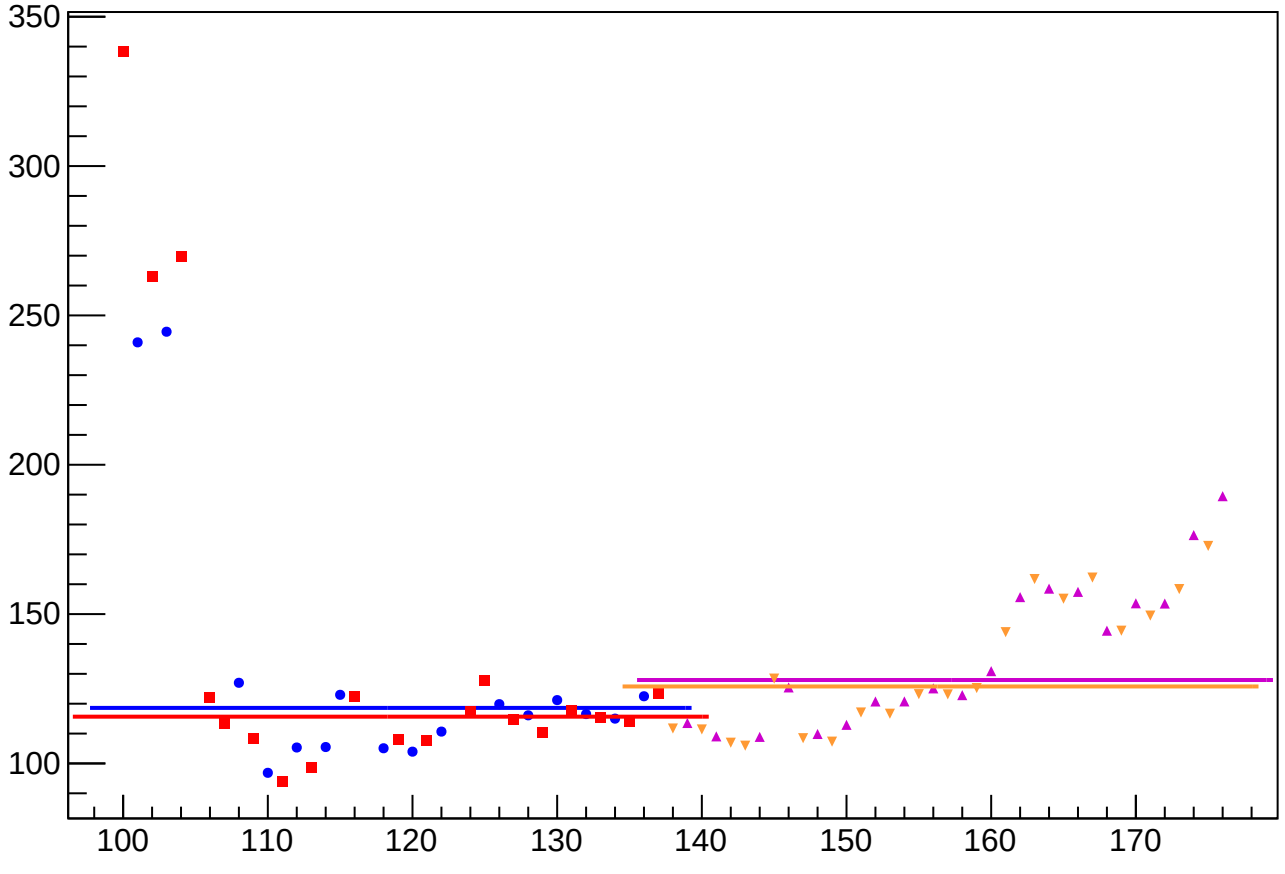
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3888.732+/-27.040 χ^2/NDF:34272.6/34

Out: -3099.301+/-26.164 χ^2/NDF:55407.5/38

All: -3481.033+/-18.803 χ^2/NDF: 90120.3/73

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 125.773+/-0.023 χ^2/NDF:732079.7/19

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

Left: 126.824+/-0.016 χ^2/NDF: 1471812.5/38

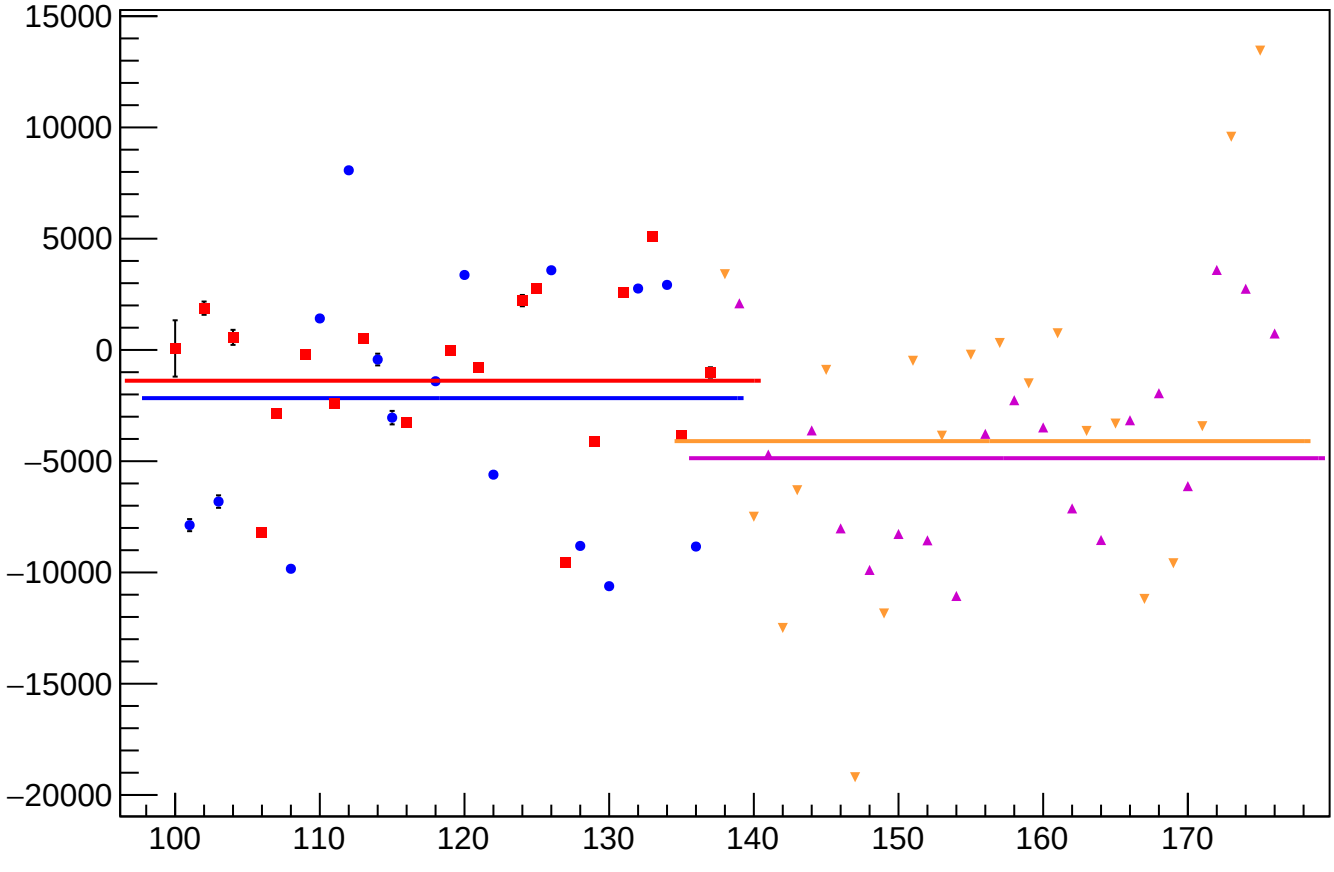
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 124.806+/-0.019 χ^2/NDF:1522663.3/34

Out: 122.313+/-0.019 χ^2/NDF:1663547.9/38

All: 123.518+/-0.013 χ^2/NDF: 3194997.3/73

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4098.170+/-29.164 χ^2/NDF:55765.0/19

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4864.966+/-30.285 χ^2/NDF:18123.9/18

Left: -4467.104+/-21.007 χ^2/NDF: 74221.6/38

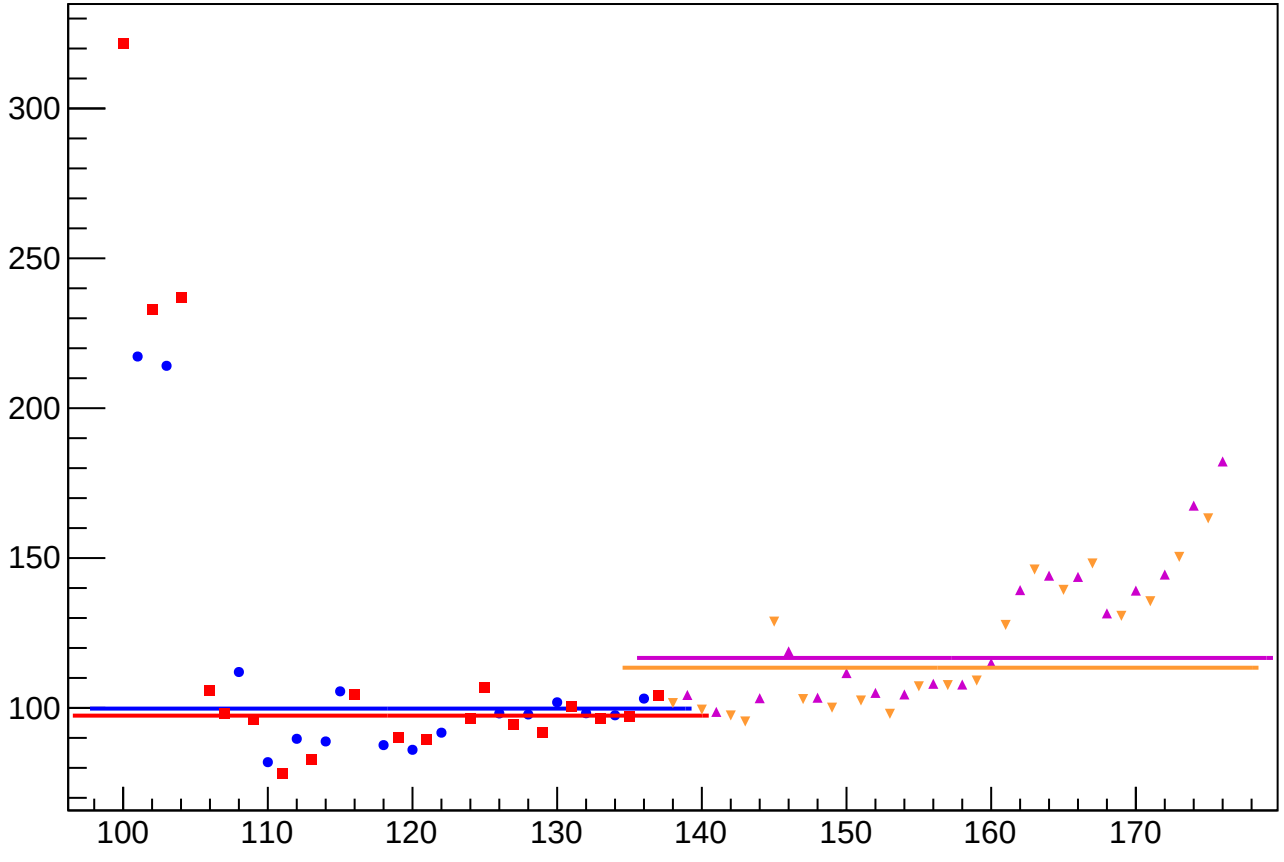
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3869.897+/-24.064 χ^2/NDF:43926.9/34

Out: -3090.954+/-23.130 χ^2/NDF:68128.9/38

All: -3465.022+/-16.676 χ^2/NDF: 112600.4/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 113.415+/-0.021 χ^2/NDF:822763.2/19

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 116.676+/-0.021 χ^2/NDF:778990.6/18

Left: 114.984+/-0.015 χ^2/NDF: 1613784.2/38

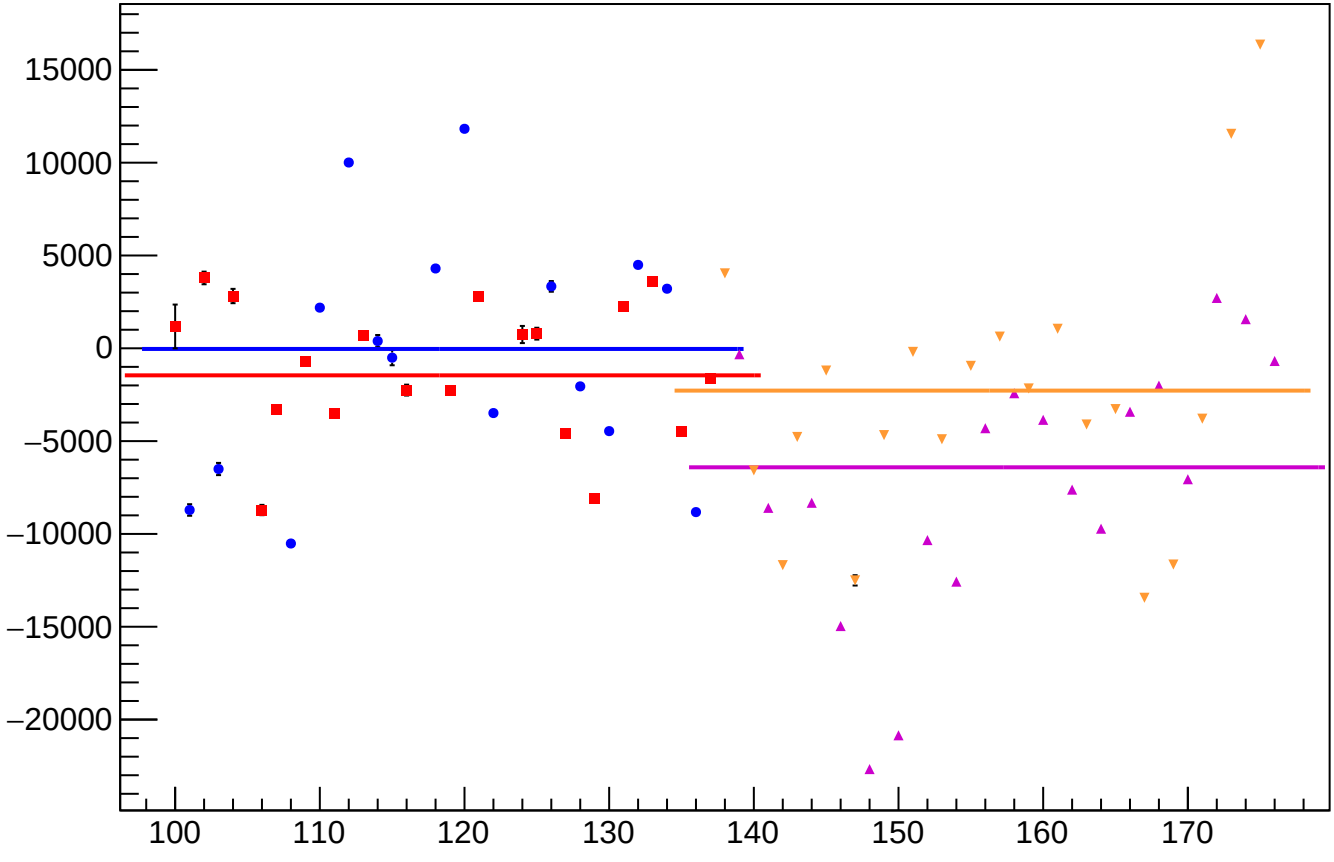
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 110.445+/-0.017 χ^2/NDF:1817788.8/34

Out: 107.484+/-0.016 χ^2/NDF:1971791.4/38

All: 108.906+/-0.012 χ^2/NDF: 3805317.9/73

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2278.891+/-40.507 χ^2/NDF:25054.1/19

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6410.873+/-42.261 χ^2/NDF:18858.8/18

Left: -4257.350+/-29.243 χ^2/NDF: 48895.3/38

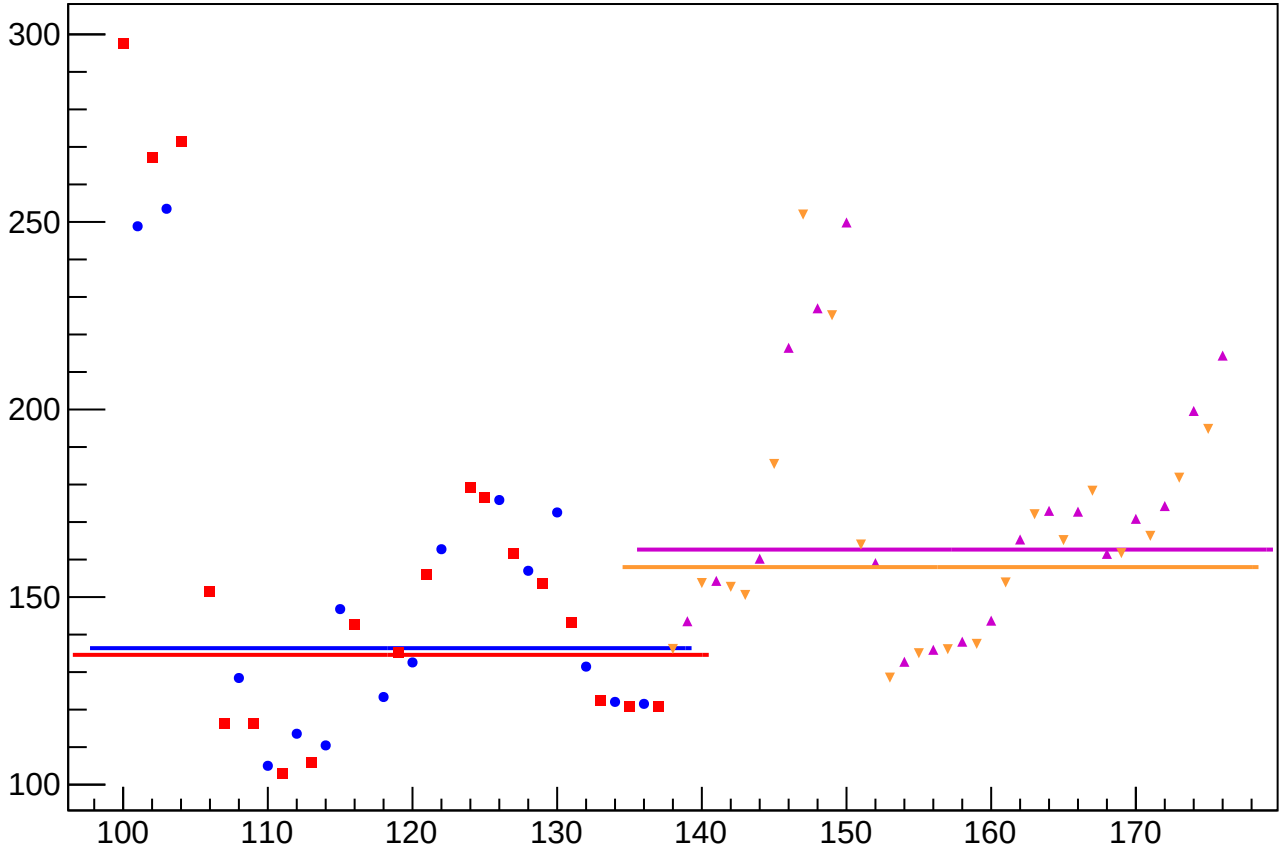
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -3959.014+/-33.154 χ^2/NDF:44415.2/34

Out: -1967.980+/-31.943 χ^2/NDF:29326.9/38

All: -2926.459+/-23.003 χ^2/NDF: 75612.4/73

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 157.990+/-0.029 χ^2/NDF:799238.3/19

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 162.661+/-0.030 χ^2/NDF:877492.7/18

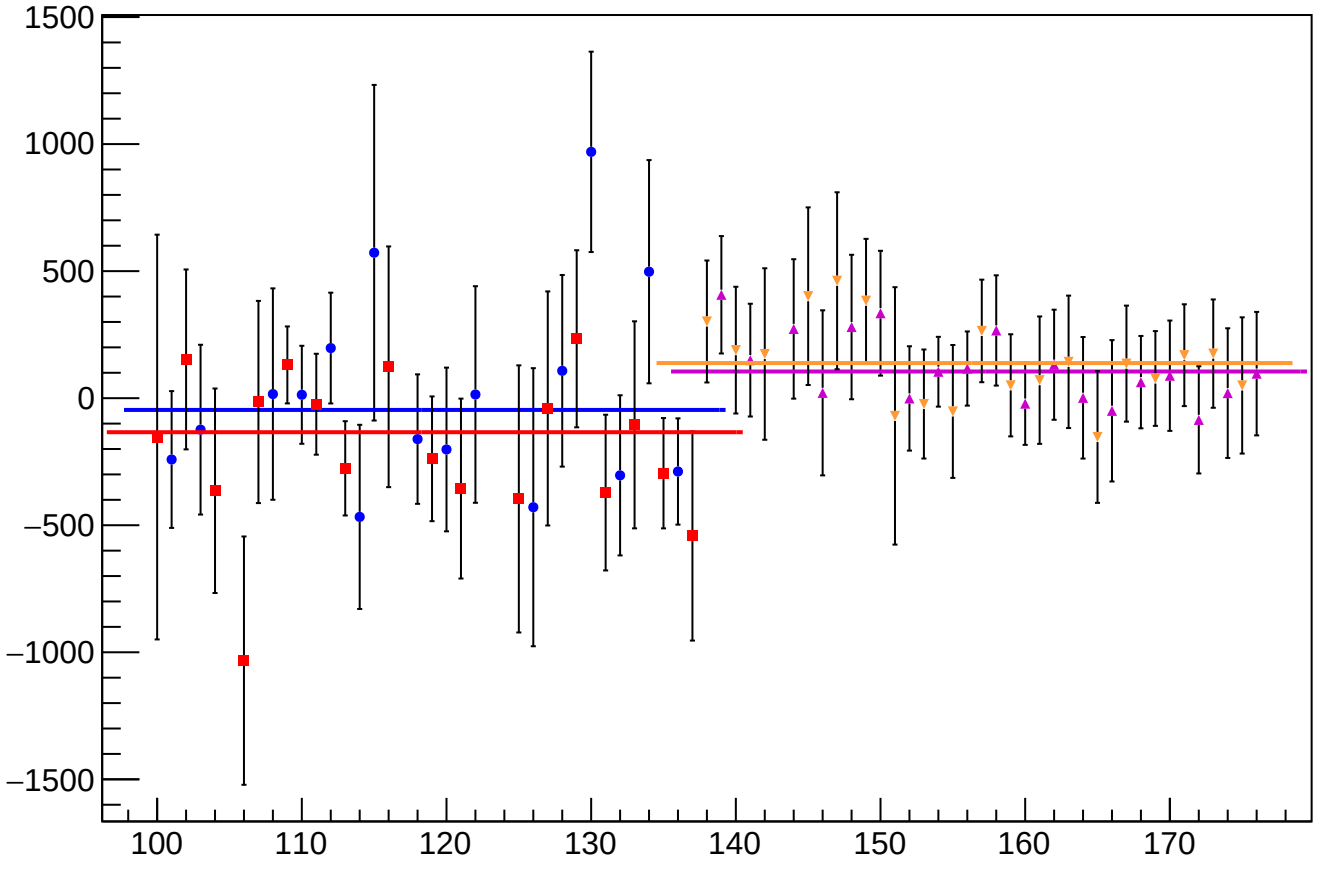
Left: 160.226+/-0.021 χ^2/NDF: 1689463.3/38

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 152.556+/-0.023 χ^2/NDF:1971686.4/34

Out: 149.145+/-0.023 χ^2/NDF:1971042.3/38

All: 150.787+/-0.016 χ^2/NDF: 3953709.6/73



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 138.294+/-55.957 χ^2/NDF:6.4/18

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 104.987+/-48.133 χ^2/NDF:6.4/18

Left: 119.151+/-36.491 χ^2/NDF: 13.0/37

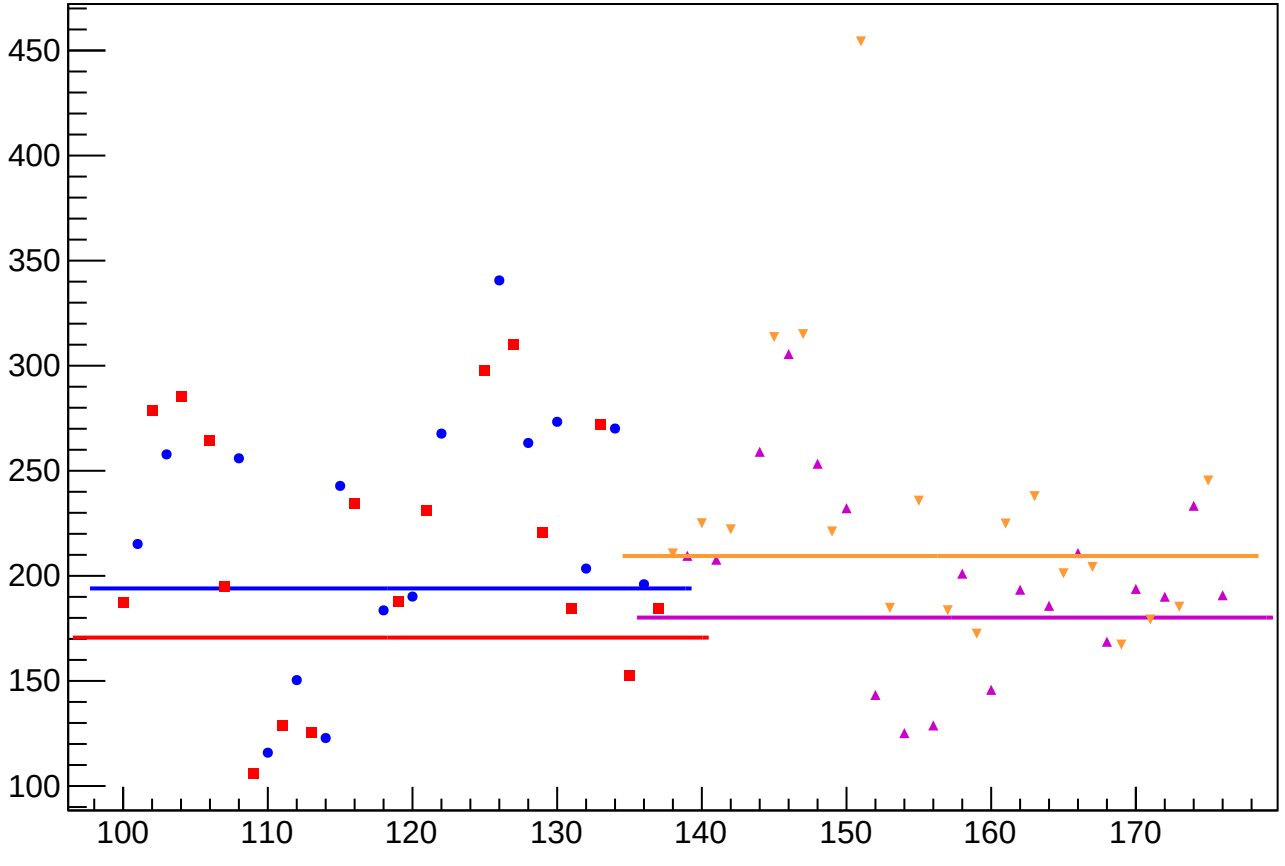
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 61.935+/-40.707 χ^2/NDF:24.6/34

Out: 29.183+/-43.314 χ^2/NDF:28.7/36

All: 46.574+/-29.663 χ^2/NDF: 53.7/71

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: 209.457+/-0.040 χ^2/NDF:1235056.0/18

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 180.148+/-0.034 χ^2/NDF:1633329.7/18

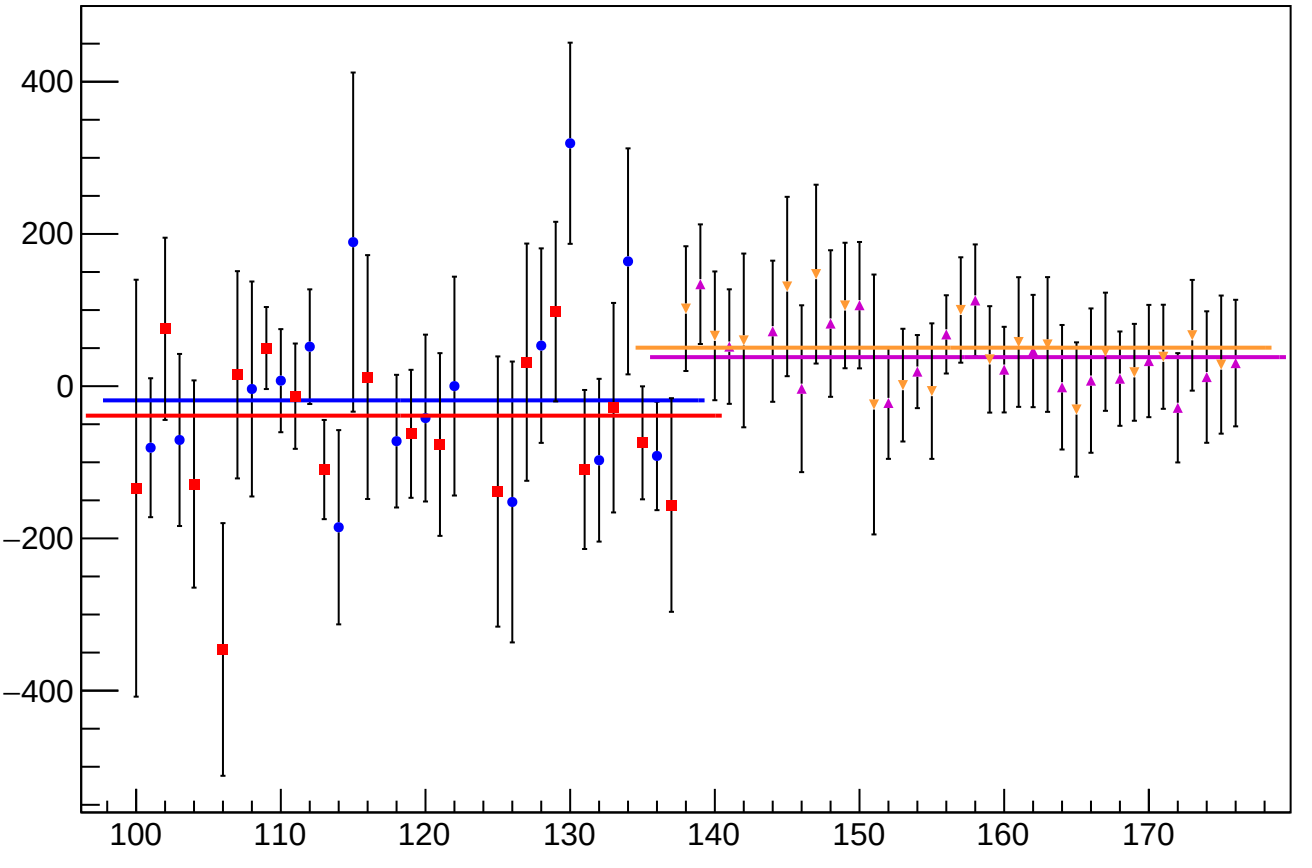
Left: 192.612+/-0.026 χ^2/NDF: 3183724.0/37

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 184.098+/-0.029 χ^2/NDF:2724200.3/34

Out: 193.891+/-0.031 χ^2/NDF:3214883.9/36

All: 188.691+/-0.021 χ^2/NDF: 5993375.3/71



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.586+/-19.090 χ^2/NDF:4.9/18

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 38.150+/-16.551 χ^2/NDF:6.5/18

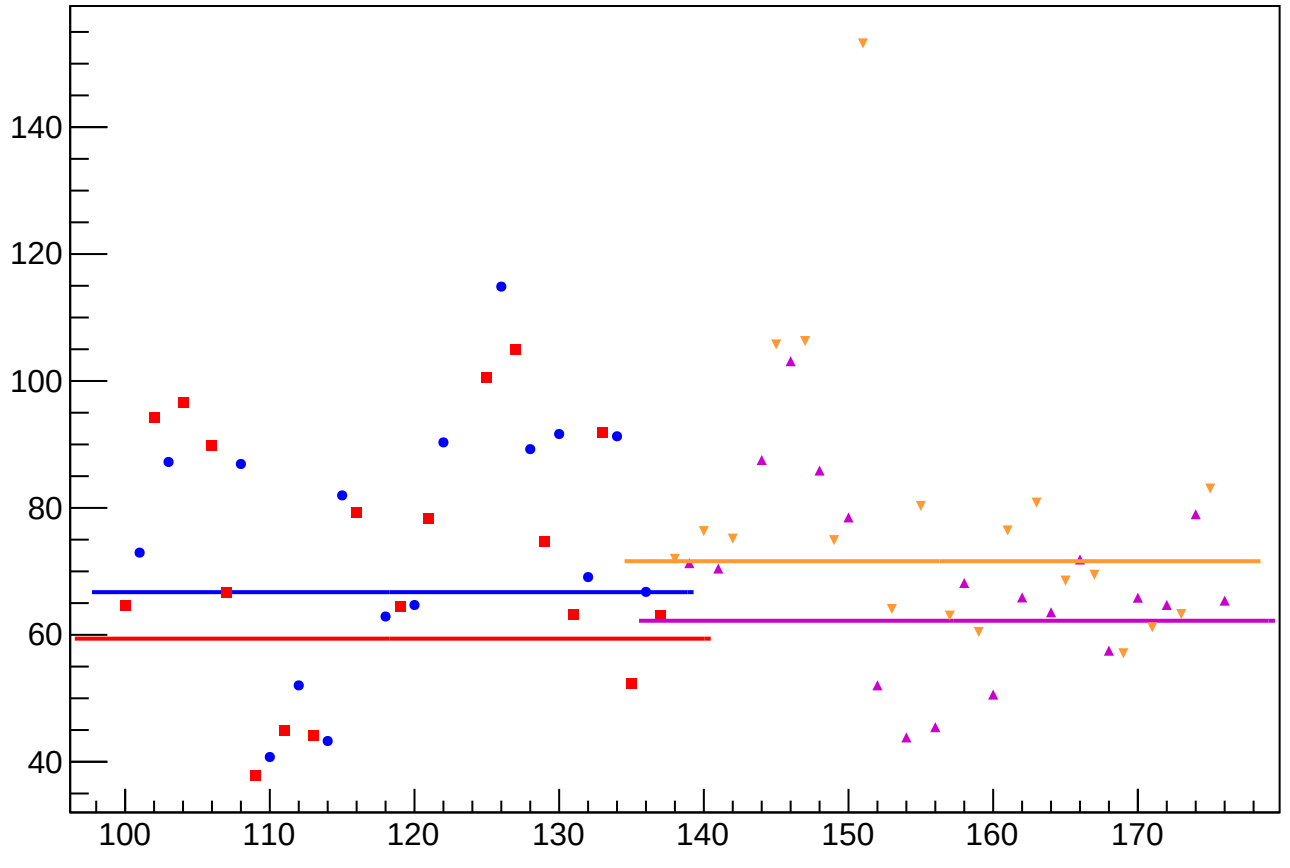
Left: 43.486+/-12.506 χ^2/NDF: 11.6/37

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.881+/-13.981 χ^2/NDF:25.1/34

Out: 15.358+/-14.855 χ^2/NDF:26.1/36

All: 18.817+/-10.181 χ^2/NDF: 51.3/71



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.604+/-0.013 χ^2/NDF:1172644.2/18

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.220+/-0.012 χ^2/NDF:1442396.7/18

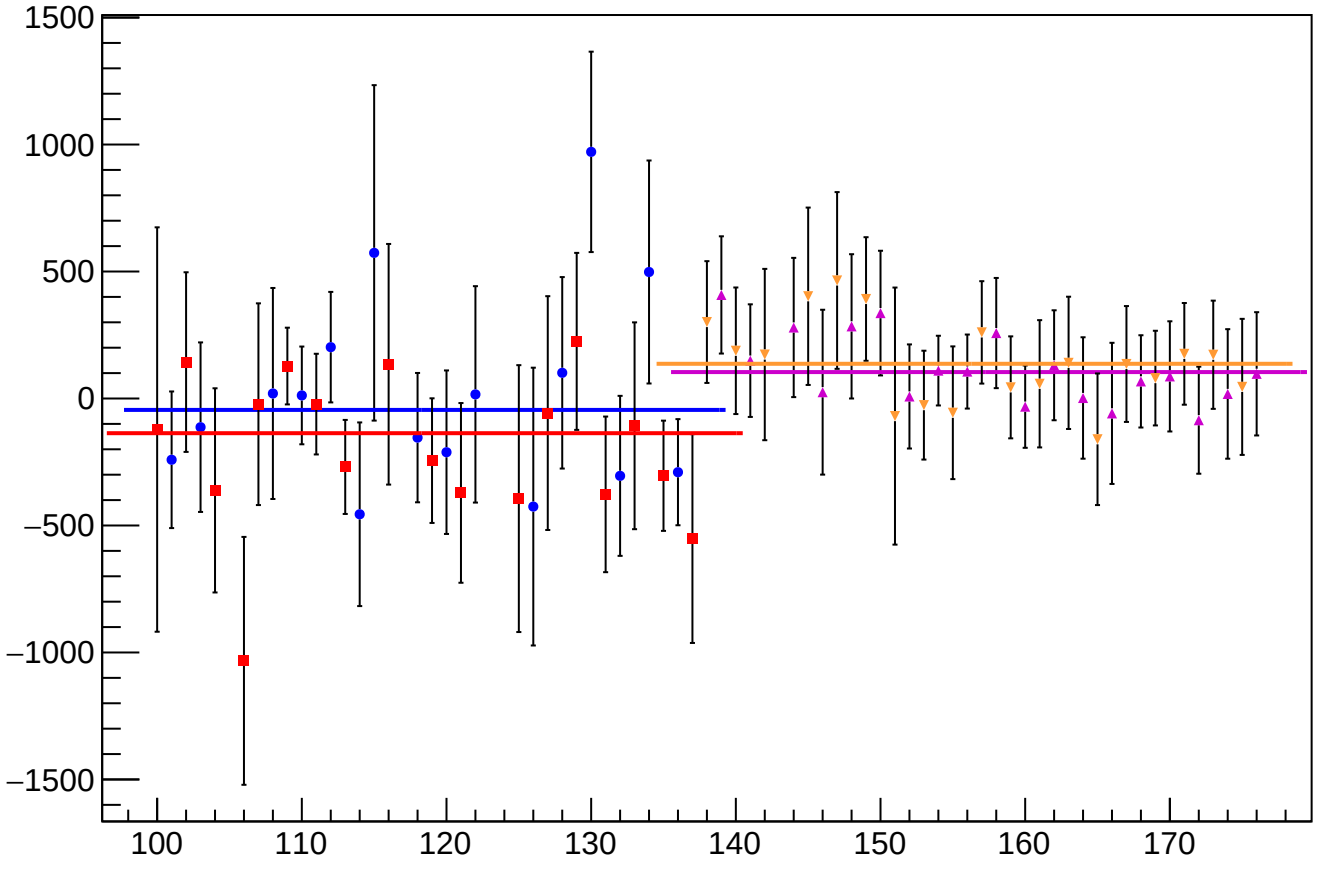
Left: 66.247+/-0.009 χ^2/NDF: 2890876.3/37

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.510+/-0.010 χ^2/NDF:2431861.4/34

Out: 66.790+/-0.011 χ^2/NDF:2940392.0/36

All: 65.051+/-0.007 χ^2/NDF: 5423931.3/71



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 136.678+/-55.911 χ^2/NDF:6.7/18

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 104.047+/-48.092 χ^2/NDF:6.5/18

Left: 117.923+/-36.460 χ^2/NDF: 13.3/37

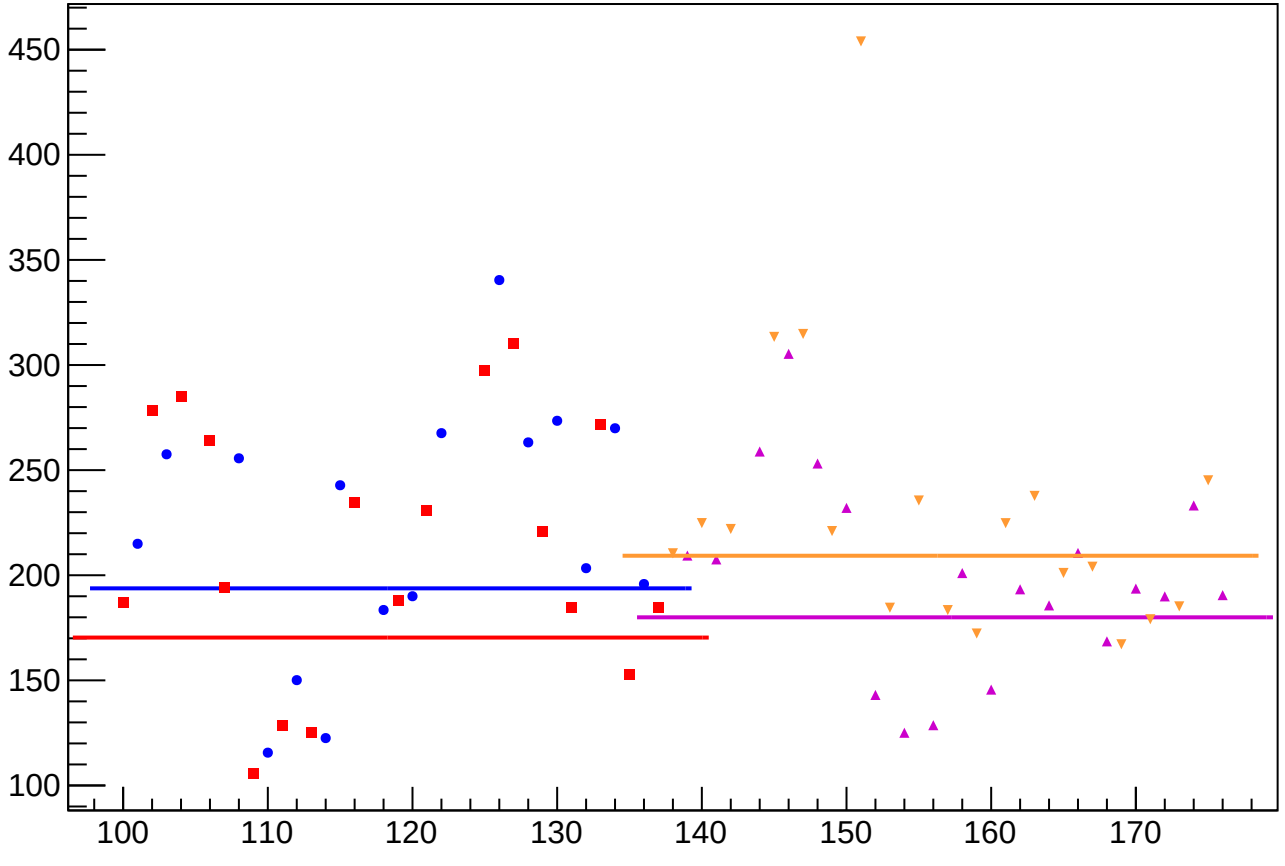
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 61.612+/-40.669 χ^2/NDF:24.7/34

Out: 27.078+/-43.269 χ^2/NDF:29.1/36

All: 45.414+/-29.634 χ^2/NDF: 54.1/71

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.281+/-0.040 χ^2/NDF:1235684.5/18

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

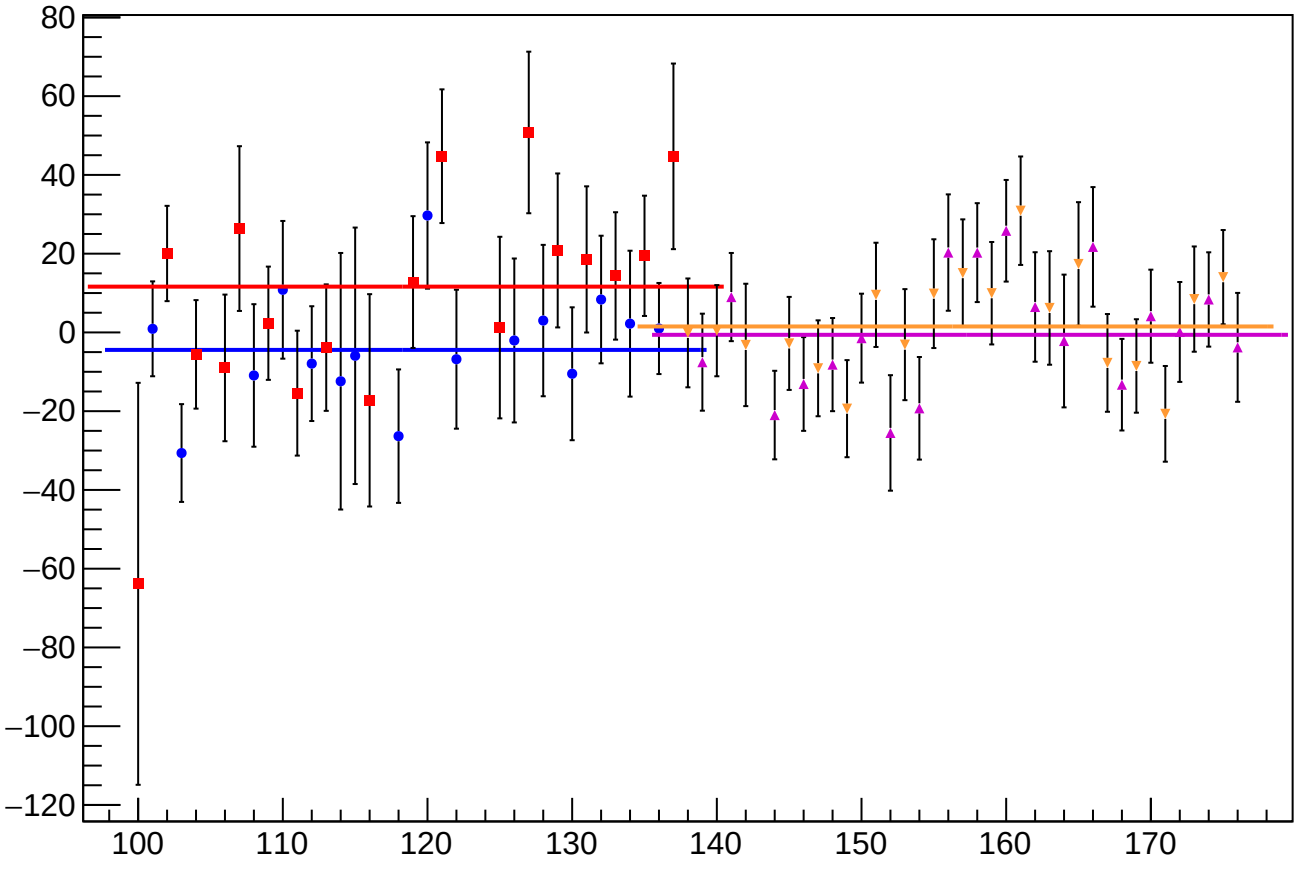
Left: 192.442+/-0.026 χ^2/NDF: 3186796.5/37

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.911+/-0.029 χ^2/NDF:2730393.4/34

Out: 193.669+/-0.031 χ^2/NDF:3223474.9/36

All: 188.488+/-0.021 χ^2/NDF: 6007881.7/71



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.511+/-2.993 χ^2/NDF:17.8/18

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.609+/-2.911 χ^2/NDF:24.1/18

Left: 0.422+/-2.087 χ^2/NDF: 42.2/37

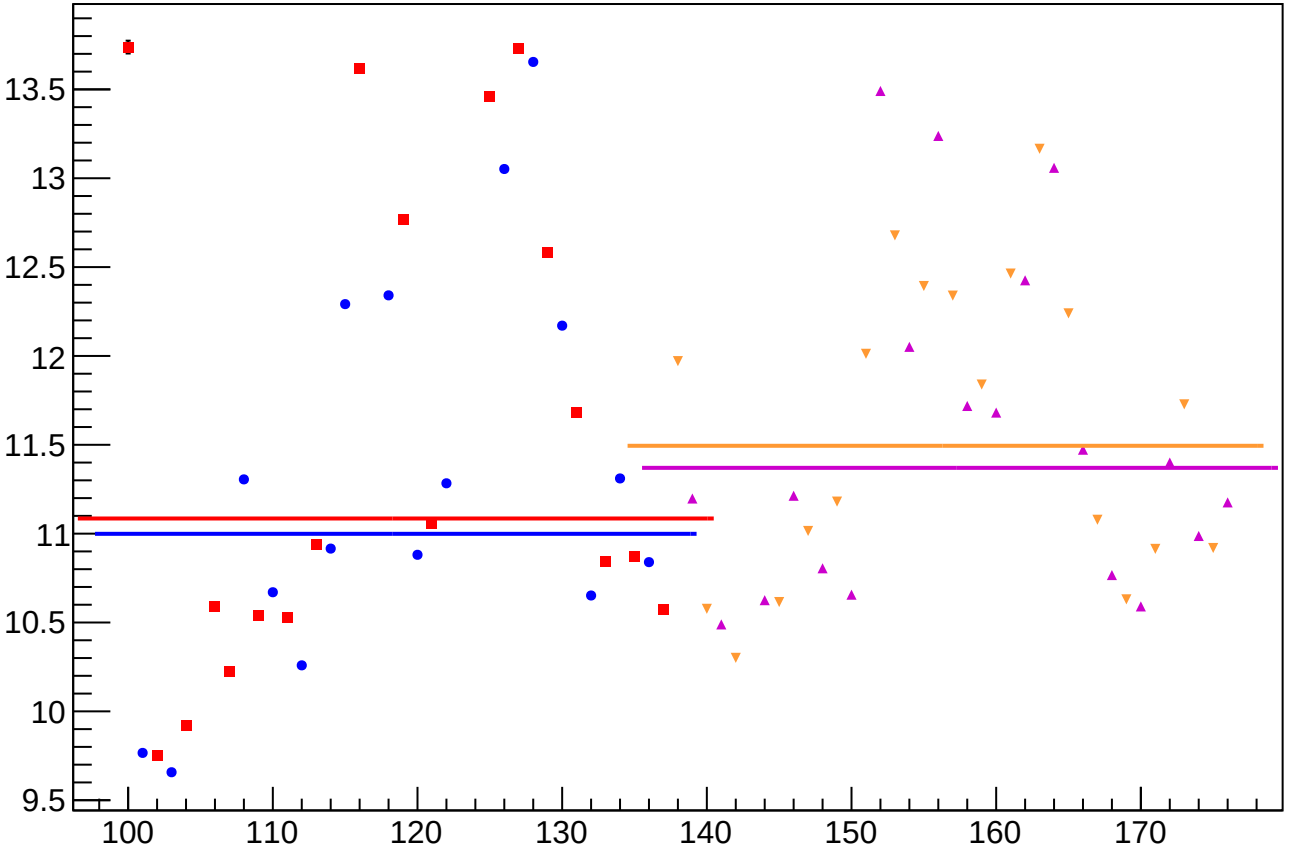
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.881+/-2.380 χ^2/NDF:36.7/34

Out: 4.986+/-2.425 χ^2/NDF:43.3/36

All: 1.489+/-1.698 χ^2/NDF: 84.1/71

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.494+/-0.002 χ^2/NDF:140846.2/18

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

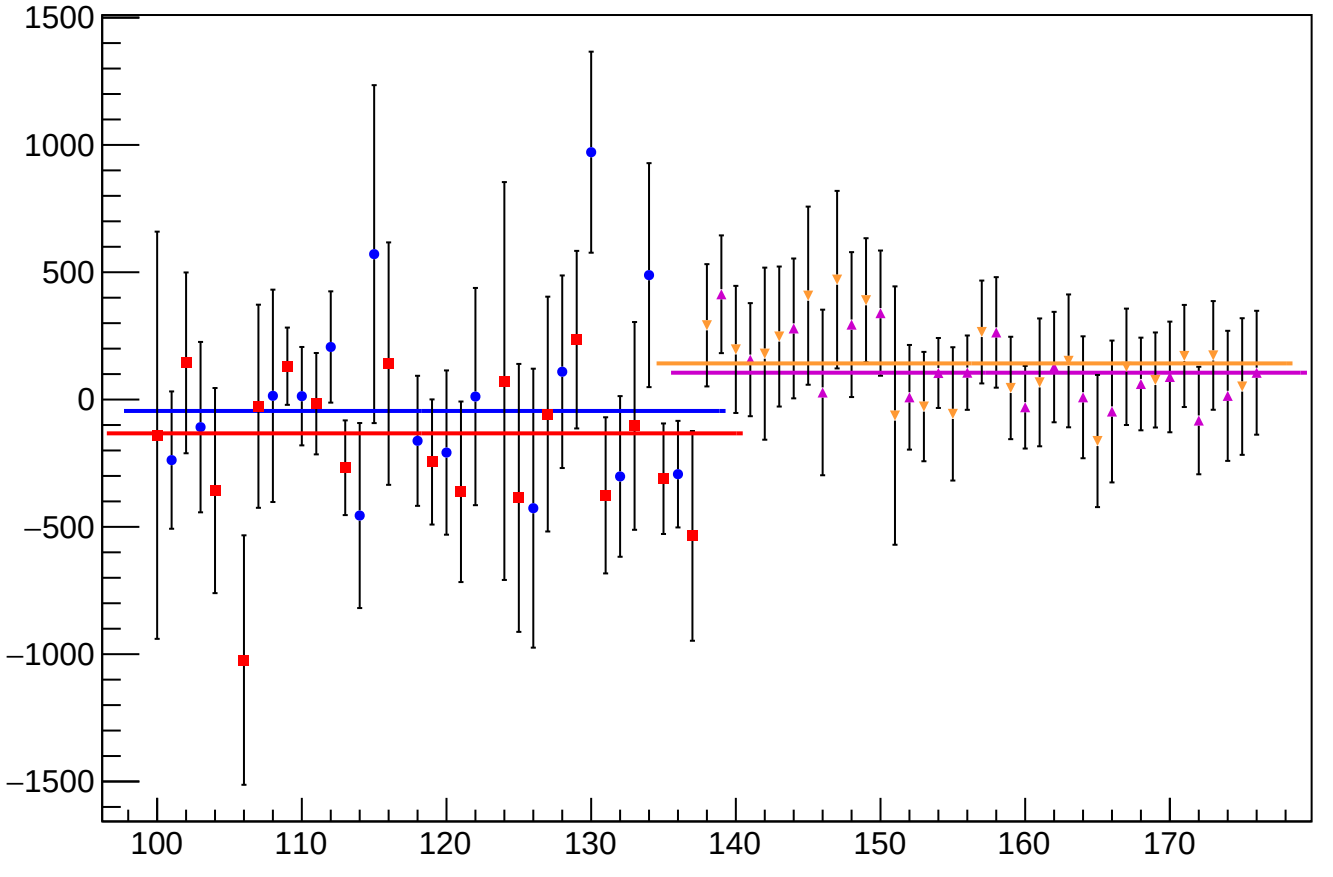
Left: 11.431+/-0.001 χ^2/NDF: 307229.1/37

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.247+/-0.002 χ^2/NDF:311568.1/34

Out: 11.354+/-0.002 χ^2/NDF:315895.8/36

All: 11.299+/-0.001 χ^2/NDF: 629440.2/71



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.981+/-54.883 χ^2/NDF:6.8/19

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.407+/-48.172 χ^2/NDF:6.5/18

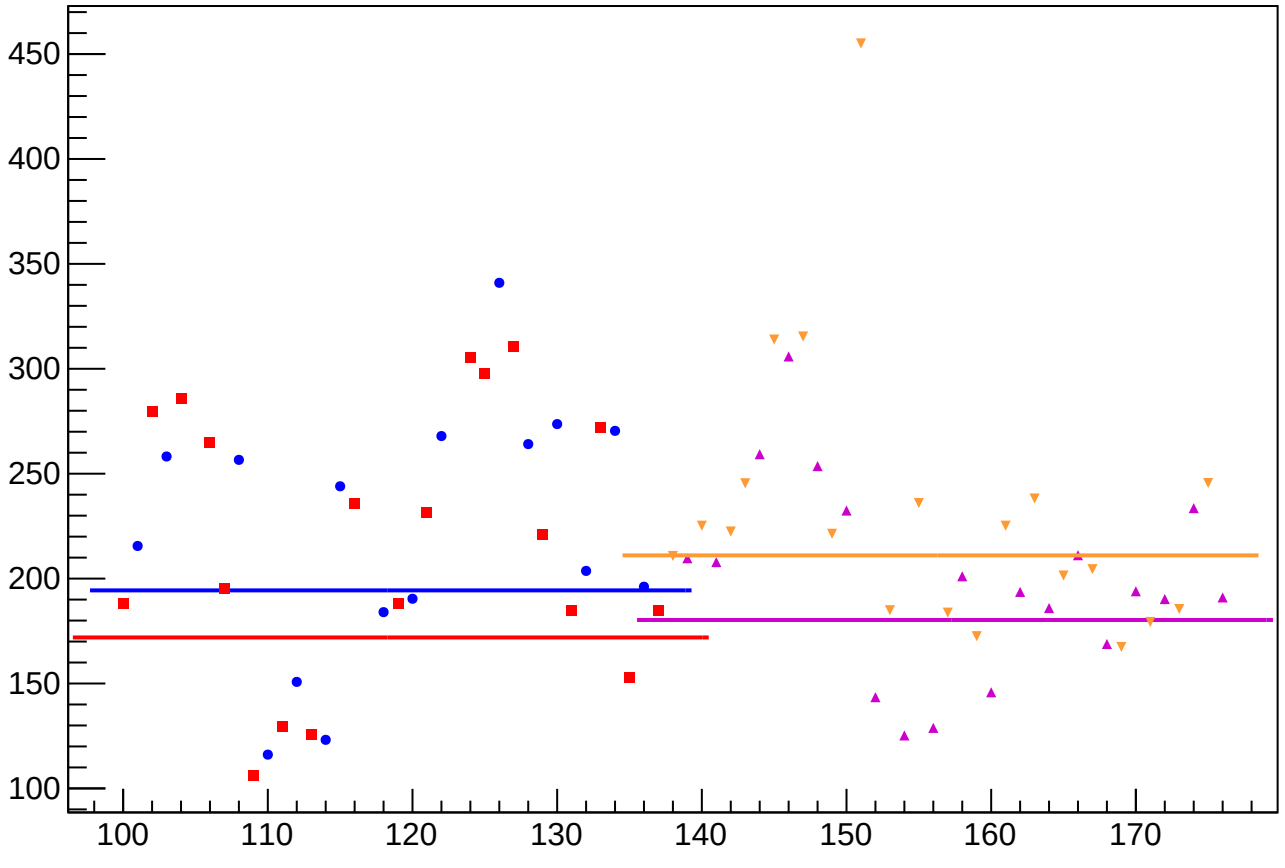
Left: 121.322+/-36.204 χ^2/NDF: 13.6/38

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.698+/-40.752 χ^2/NDF:24.7/34

Out: 34.138+/-42.775 χ^2/NDF:29.5/38

All: 49.109+/-29.505 χ^2/NDF: 54.5/73



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.071+/-0.039 χ^2/NDF:1269333.6/19

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

Left: 193.680+/-0.026 χ^2/NDF: 3260913.7/38

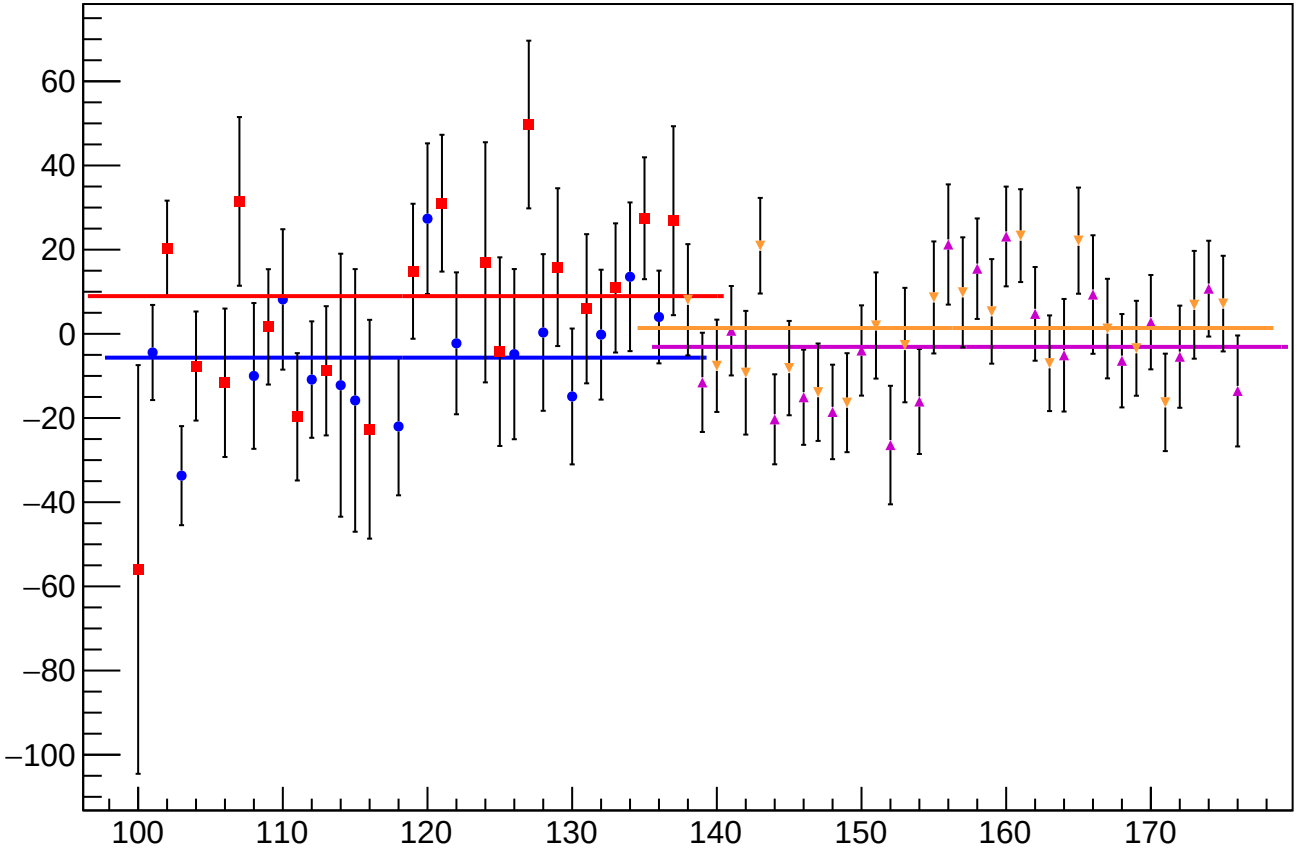
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.292+/-0.029 χ^2/NDF:2726812.8/34

Out: 195.713+/-0.030 χ^2/NDF:3319624.7/38

All: 189.726+/-0.021 χ^2/NDF: 6121179.3/73

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.383+/-2.699 χ^2/NDF:20.2/19

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.098+/-2.724 χ^2/NDF:24.1/18

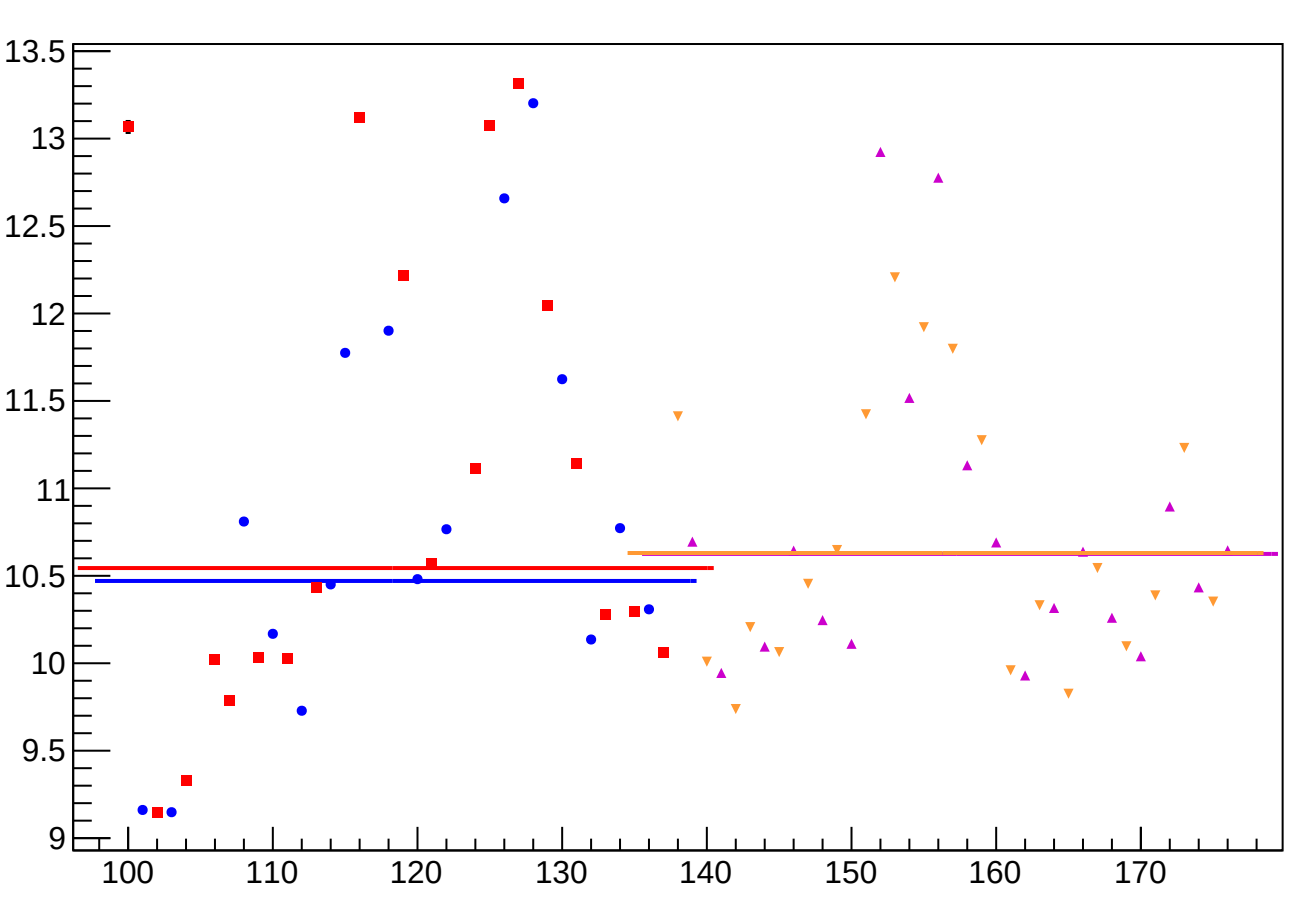
Left: -0.837+/-1.917 χ^2/NDF: 45.7/38

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.926+/-2.240 χ^2/NDF:38.1/34

Out: 3.836+/-2.219 χ^2/NDF:45.6/38

All: -0.009+/-1.577 χ^2/NDF: 89.7/73



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.630+/-0.002 χ^2/NDF:132062.9/19

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

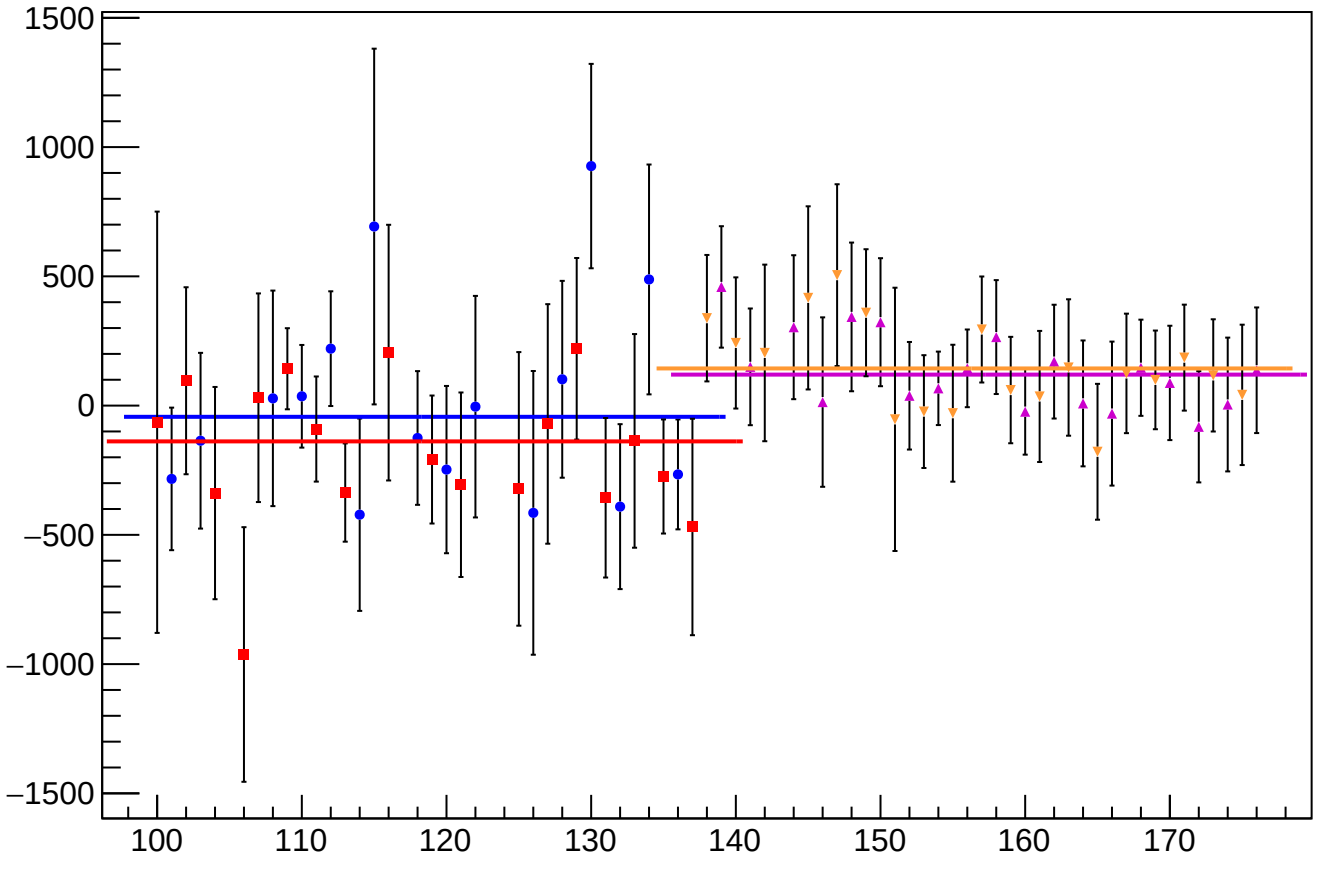
Left: 10.628+/-0.001 χ^2/NDF: 282737.2/38

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.575+/-0.002 χ^2/NDF:310120.8/34

Out: 10.603+/-0.002 χ^2/NDF:319501.5/38

All: 10.589+/-0.001 χ^2/NDF: 629772.8/73



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 143.731+/-56.878 χ^2/NDF:7.0/18

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 119.886+/-49.074 χ^2/NDF:7.1/18

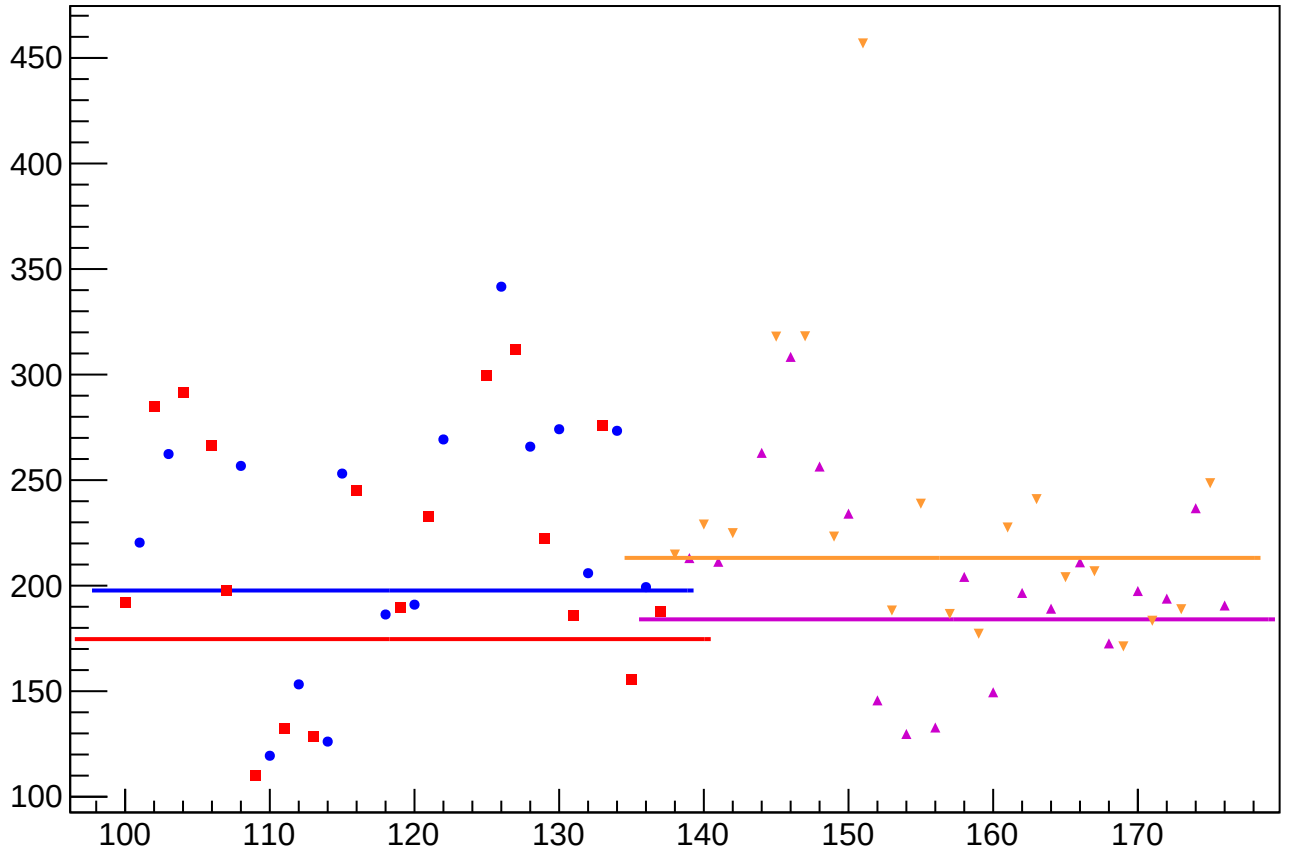
Left: 130.062+/-37.156 χ^2/NDF: 14.2/37

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 73.229+/-41.474 χ^2/NDF:25.7/34

Out: 31.190+/-44.101 χ^2/NDF:28.3/36

All: 53.499+/-30.213 χ^2/NDF: 54.5/71



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.156+/-0.040 χ^2/NDF:1194912.1/18

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

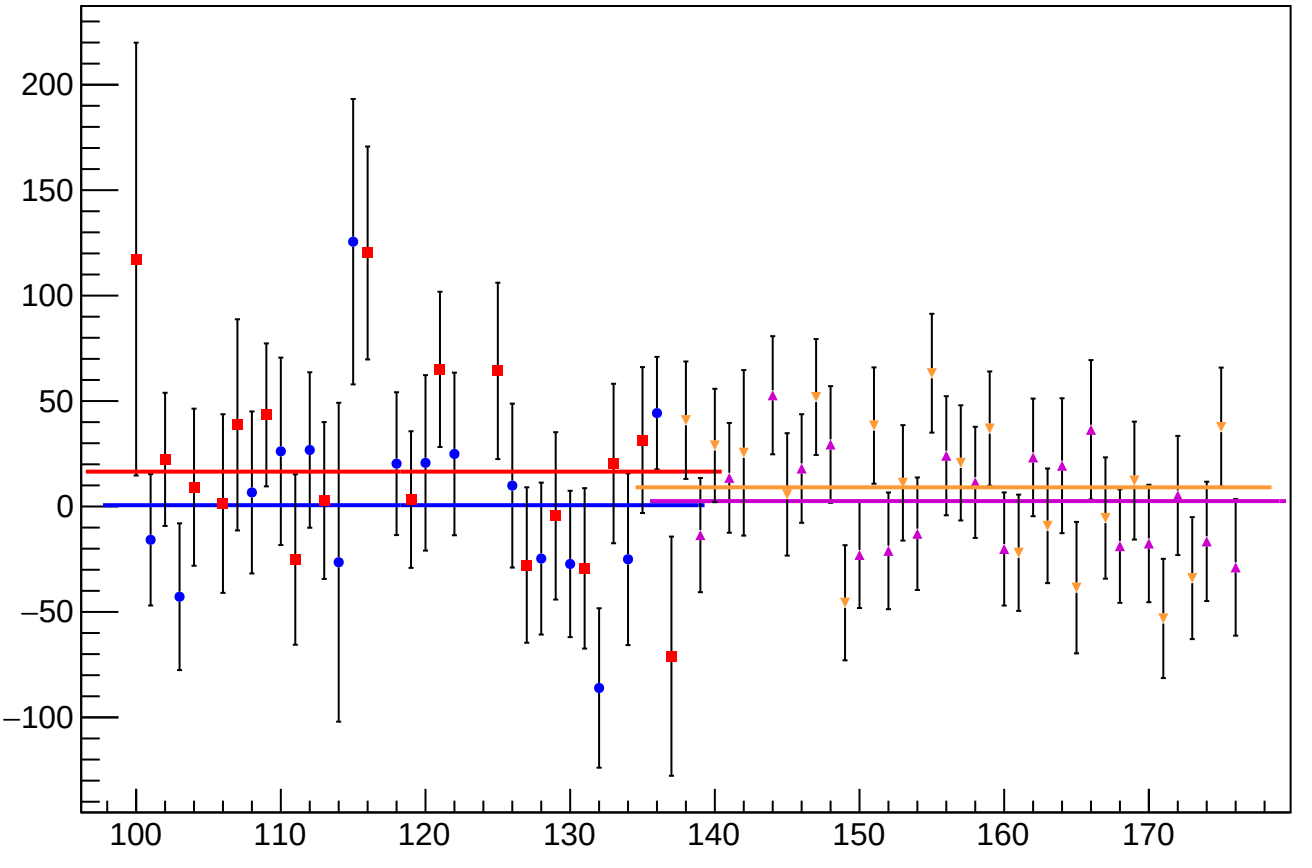
Left: 196.465+/-0.026 χ^2/NDF: 3037013.0/37

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.945+/-0.029 χ^2/NDF:2586295.1/34

Out: 197.811+/-0.031 χ^2/NDF:3094691.3/36

All: 192.575+/-0.021 χ^2/NDF: 5734104.5/71



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.096+/-6.499 χ^2/NDF:26.9/18

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 2.562+/-6.375 χ^2/NDF:13.0/18

Left: 5.767+/-4.551 χ^2/NDF: 40.4/37

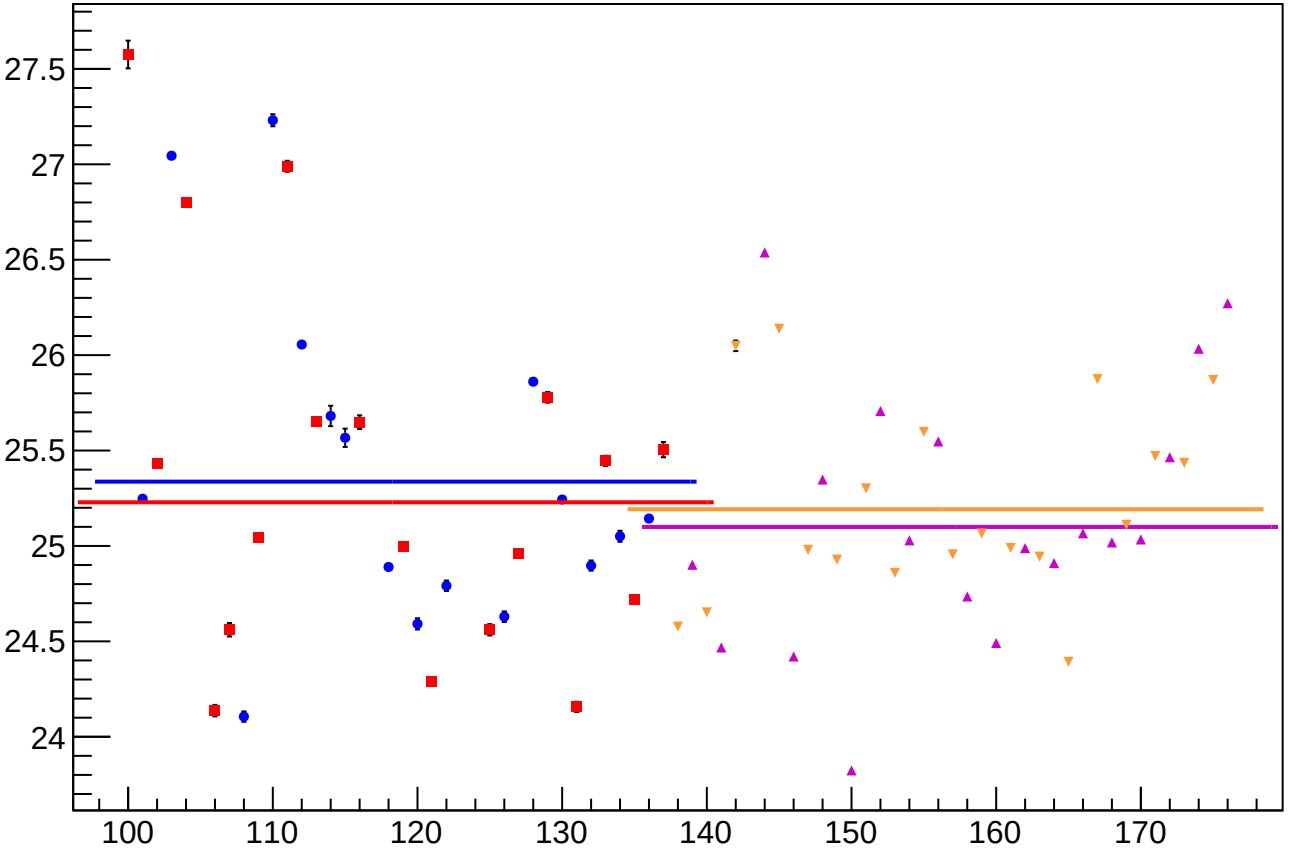
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 1.952+/-5.280 χ^2/NDF:29.7/34

Out: 11.534+/-5.328 χ^2/NDF:43.7/36

All: 6.699+/-3.750 χ^2/NDF: 75.1/71

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: 25.192+/-0.005 χ^2/NDF:10328.5/18

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

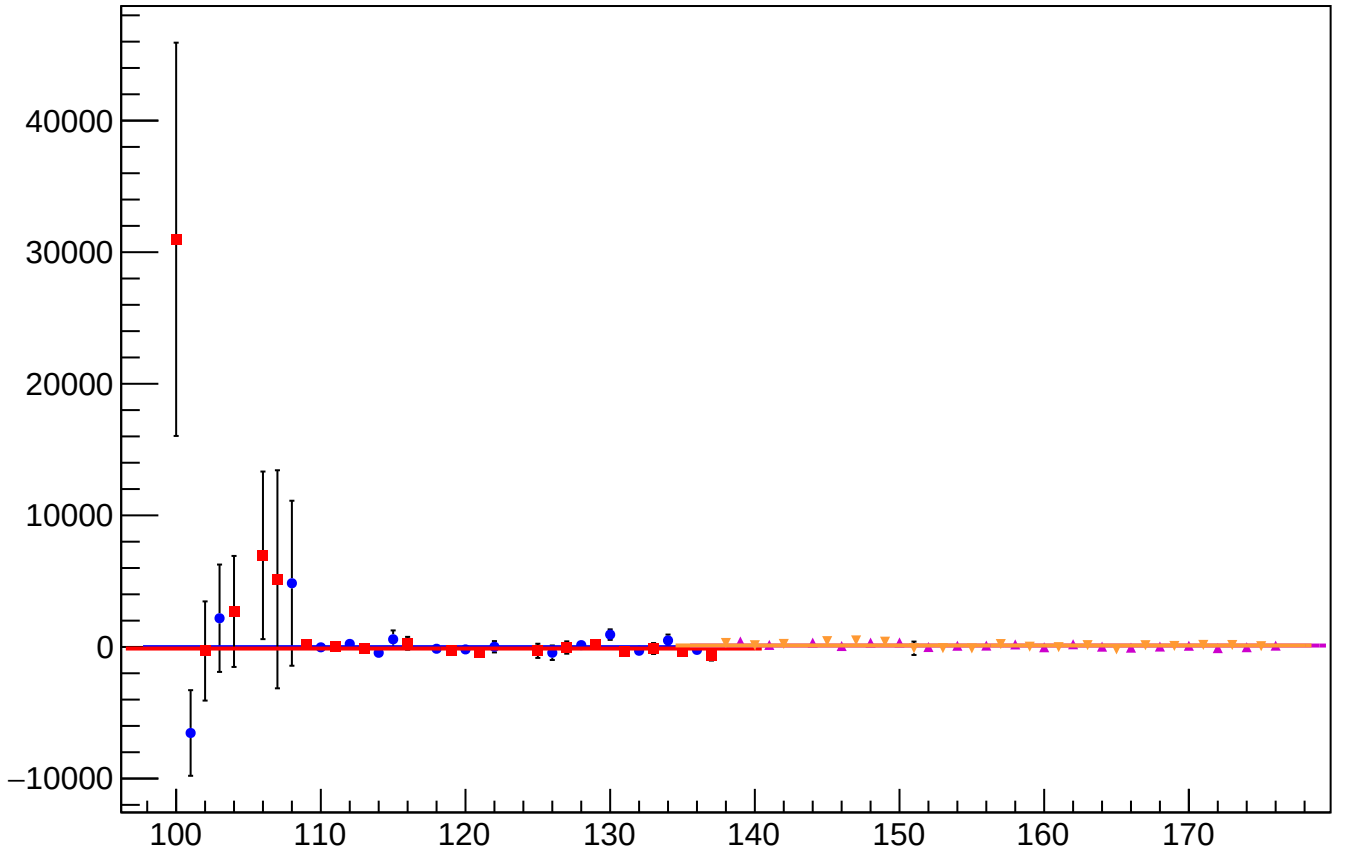
Left: 25.145+/-0.003 χ^2/NDF: 31949.9/37

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.174+/-0.004 χ^2/NDF:36600.2/34

Out: 25.204+/-0.004 χ^2/NDF:25525.1/36

All: 25.189+/-0.003 χ^2/NDF: 62158.0/71



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.446+/-57.221 χ^2/NDF:7.9/18

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 107.674+/-49.562 χ^2/NDF:6.7/18

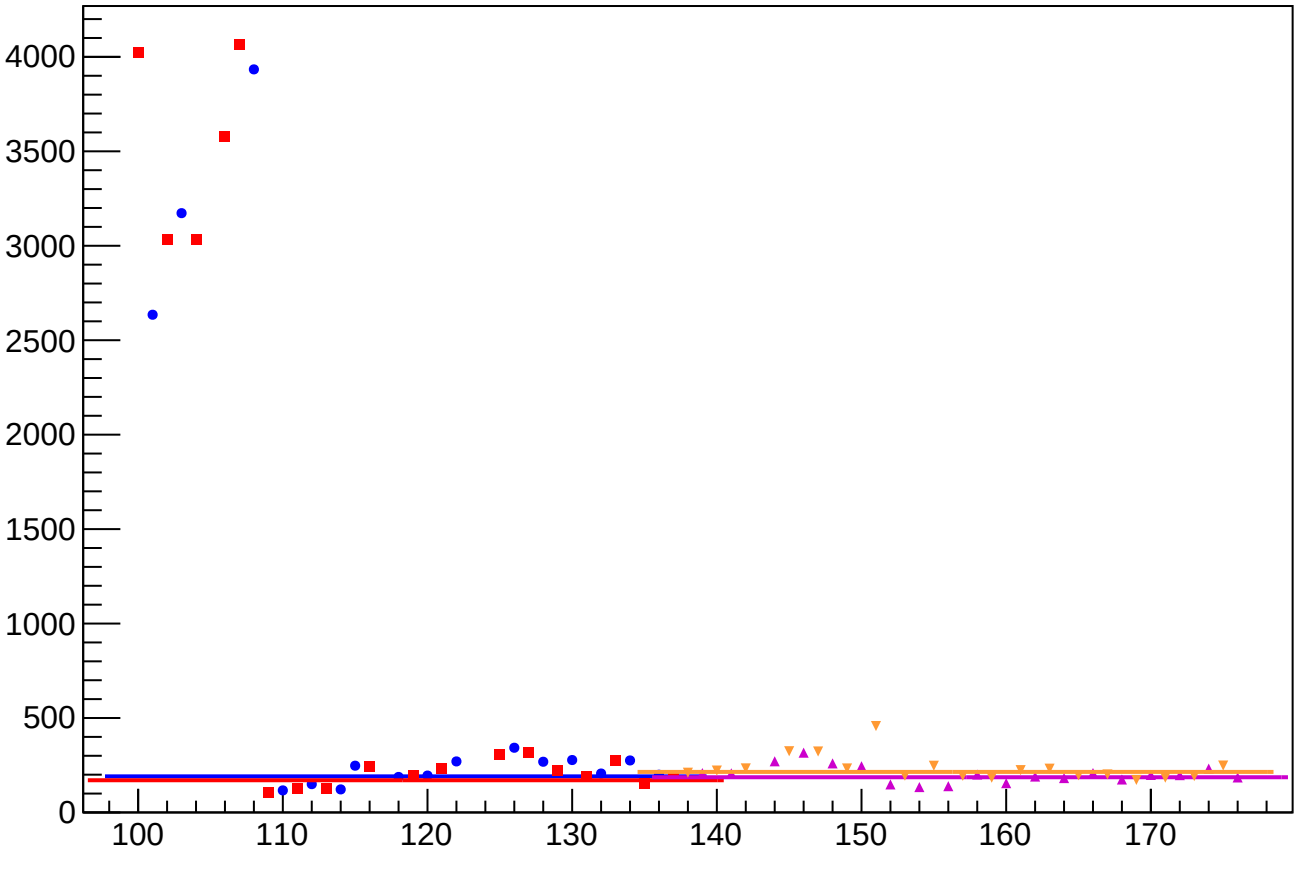
Left: 110.577+/-37.463 χ^2/NDF: 14.6/37

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 76.719+/-42.745 χ^2/NDF:26.6/34

Out: 32.761+/-46.188 χ^2/NDF:28.1/36

All: 56.440+/-31.372 χ^2/NDF: 55.2/71



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.645+/-0.040 χ^2/NDF:1167604.7/18

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

Left: 198.494+/-0.026 χ^2/NDF: 2851304.3/37

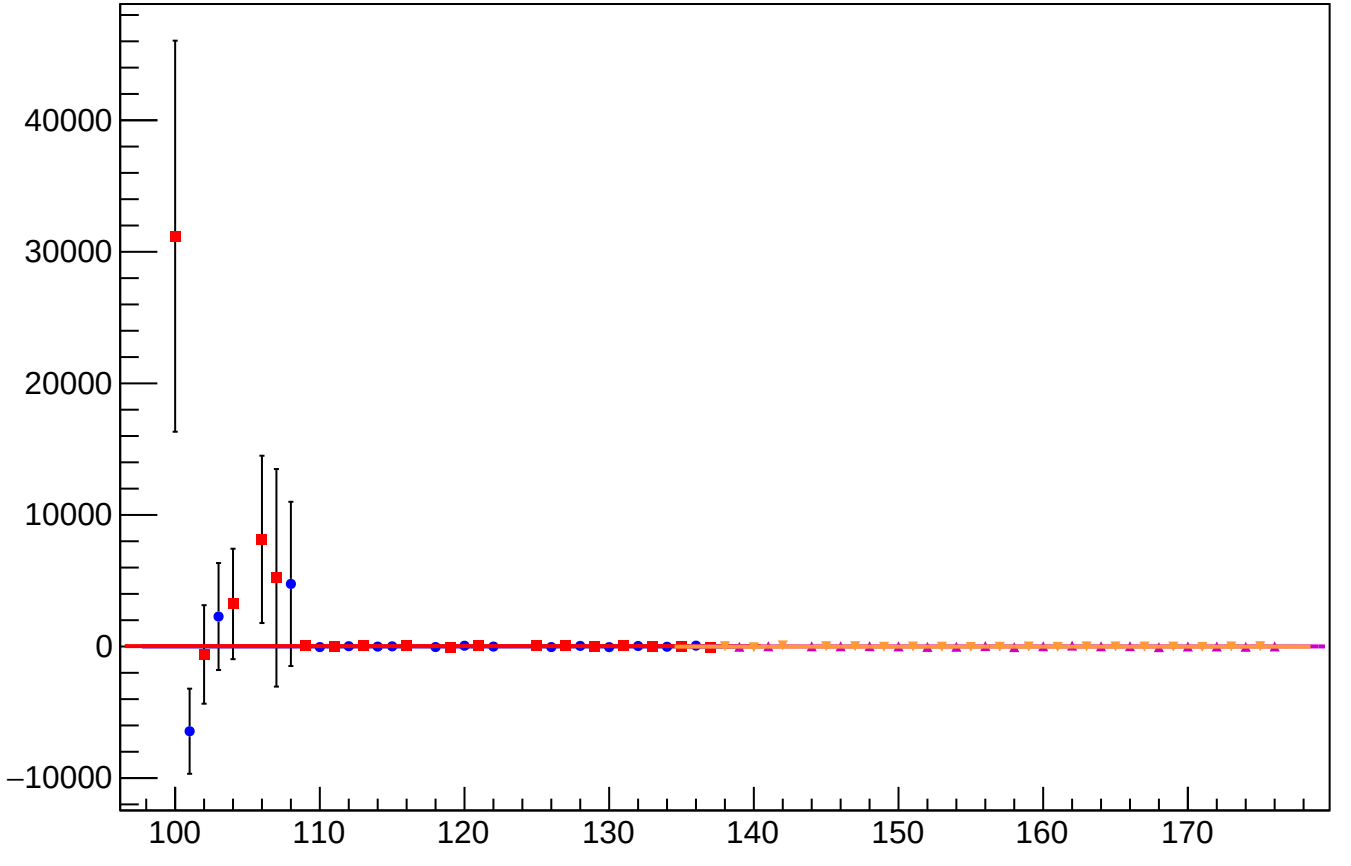
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.580+/-0.030 χ^2/NDF:5243397.1/34

Out: 199.261+/-0.033 χ^2/NDF:5837309.2/36

All: 192.969+/-0.022 χ^2/NDF: 11149603.5/71

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.013+/-7.437 χ^2/NDF:12.4/18

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 6.672+/-7.312 χ^2/NDF:16.7/18

Left: -0.054+/-5.214 χ^2/NDF: 30.9/37

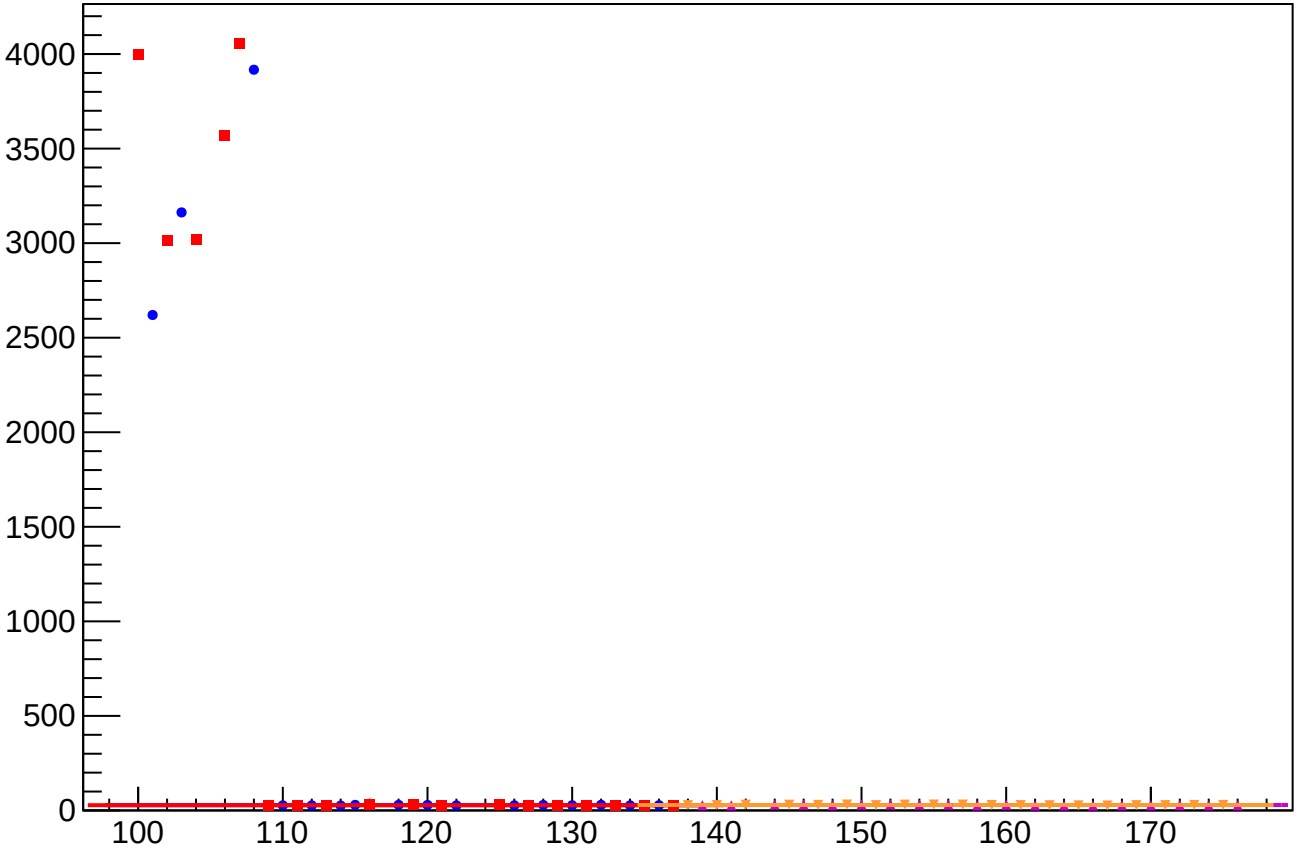
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.621+/-6.210 χ^2/NDF:35.0/34

Out: 3.357+/-6.333 χ^2/NDF:39.4/36

All: 5.022+/-4.434 χ^2/NDF: 74.6/71

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: 28.779+/-0.005 χ^2/NDF:72710.8/18

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

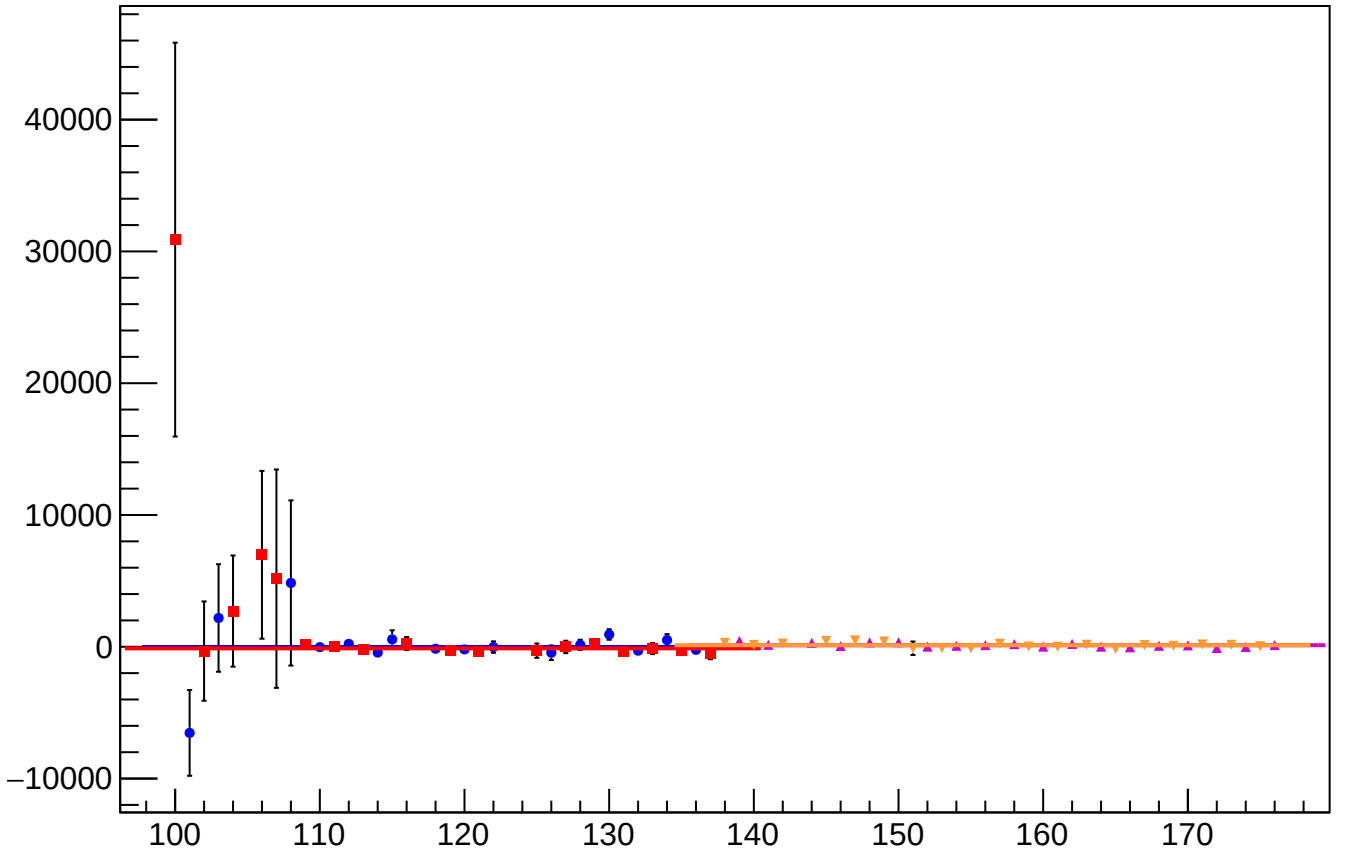
Left: 28.747+/-0.004 χ^2/NDF: 192266.9/37

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.469+/-0.004 χ^2/NDF:3393683.9/34

Out: 28.504+/-0.004 χ^2/NDF:3641050.2/36

All: 28.486+/-0.003 χ^2/NDF: 7034765.7/71



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.339+/-57.694 χ^2/NDF:7.7/18

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 117.452+/-50.032 χ^2/NDF:6.6/18

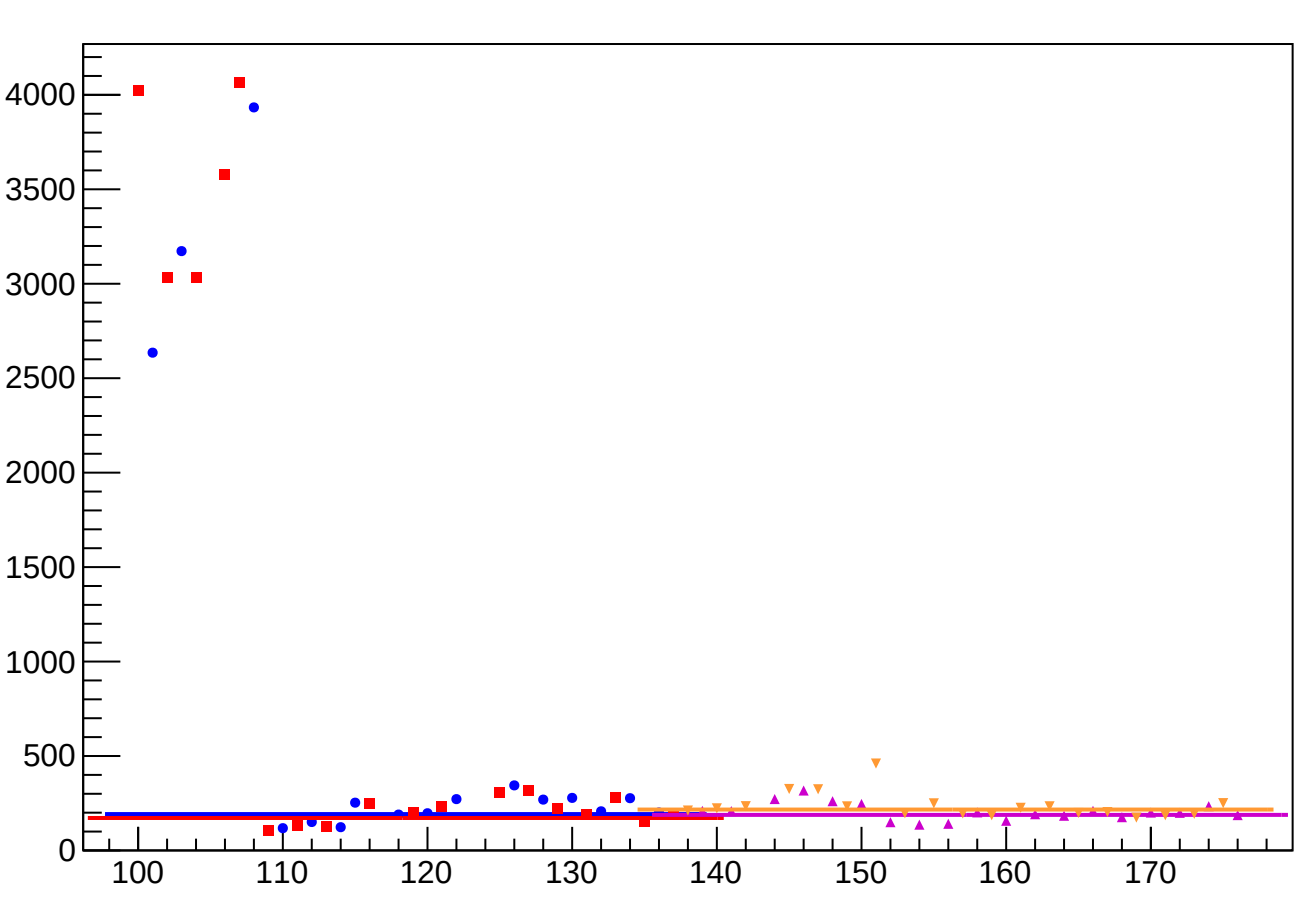
Left: 117.833+/-37.799 χ^2/NDF: 14.2/37

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 82.245+/-43.125 χ^2/NDF:26.7/34

Out: 34.685+/-46.560 χ^2/NDF:26.9/36

All: 60.284+/-31.639 χ^2/NDF: 54.2/71



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.517+/-0.041 χ^2/NDF:1149876.0/18

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

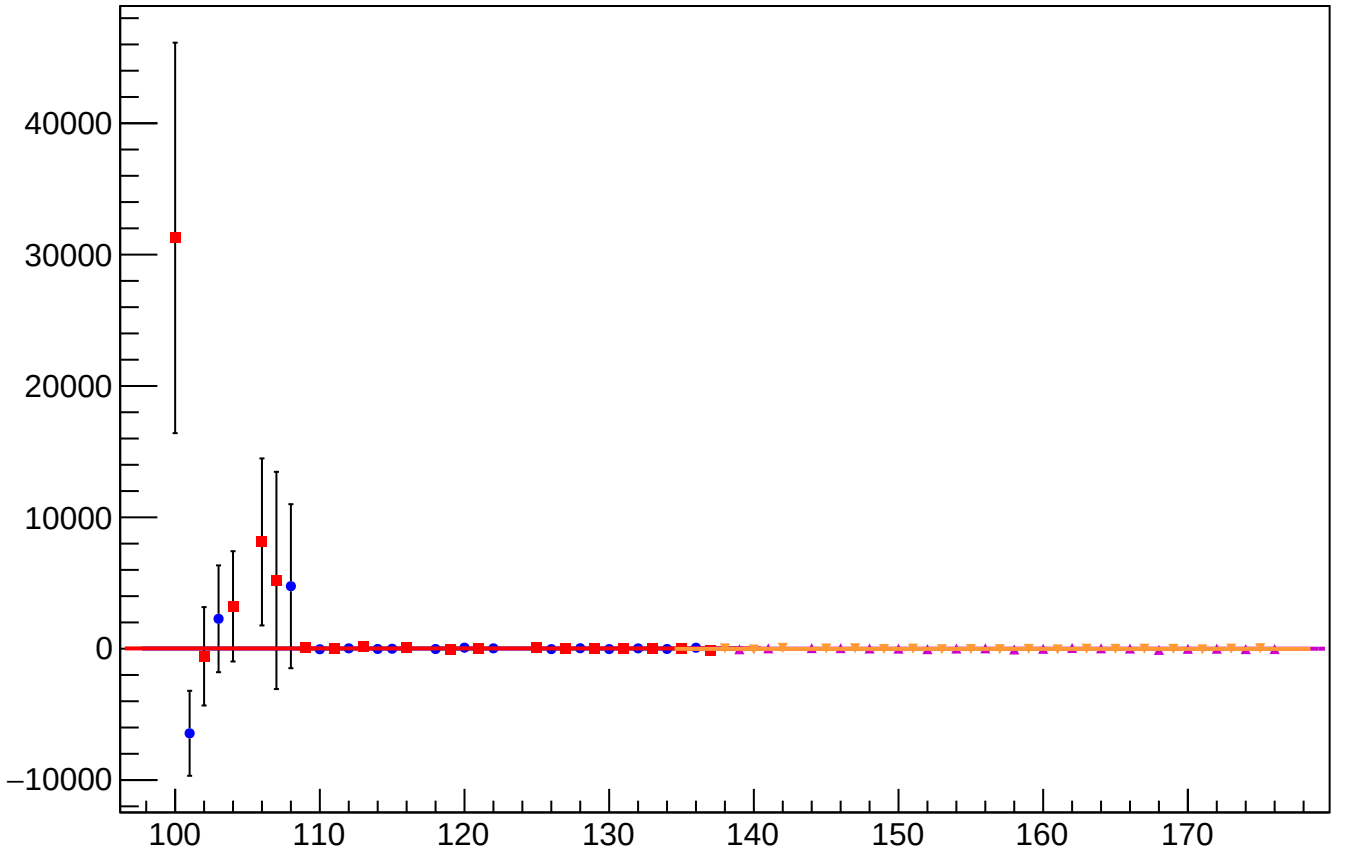
Left: 200.411+/-0.027 χ^2/NDF: 2787145.1/37

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.394+/-0.030 χ^2/NDF:5190716.2/34

Out: 200.957+/-0.033 χ^2/NDF:5814810.5/36

All: 194.733+/-0.022 χ^2/NDF: 11071919.5/71



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.872+/-8.040 χ^2/NDF:14.9/18

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 0.155+/-7.958 χ^2/NDF:23.7/18

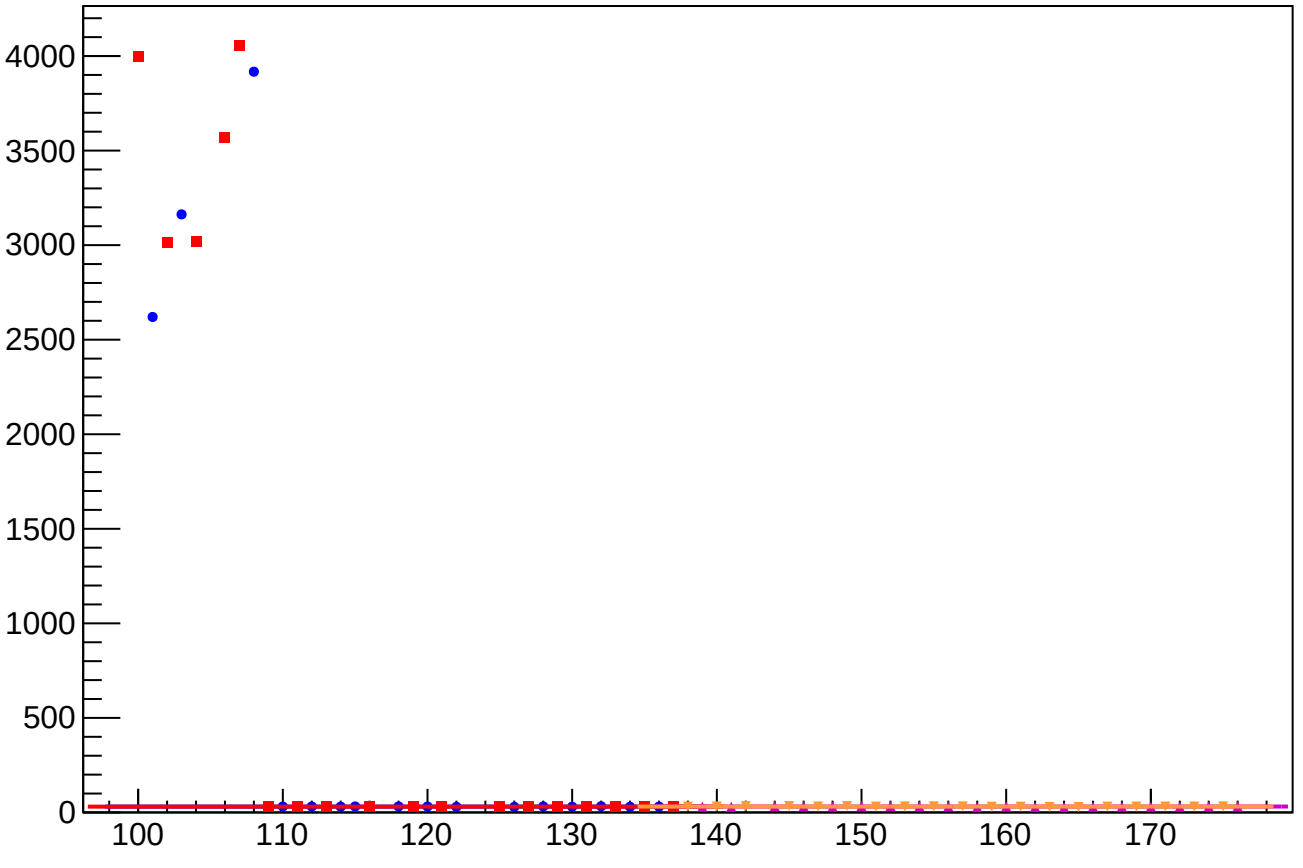
Left: -6.292+/-5.656 χ^2/NDF: 39.9/37

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 3.825+/-6.796 χ^2/NDF:39.9/34

Out: -3.648+/-6.892 χ^2/NDF:48.3/36

All: 0.141+/-4.839 χ^2/NDF: 88.8/71



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.138+/-0.006 χ^2/NDF:43224.1/18

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

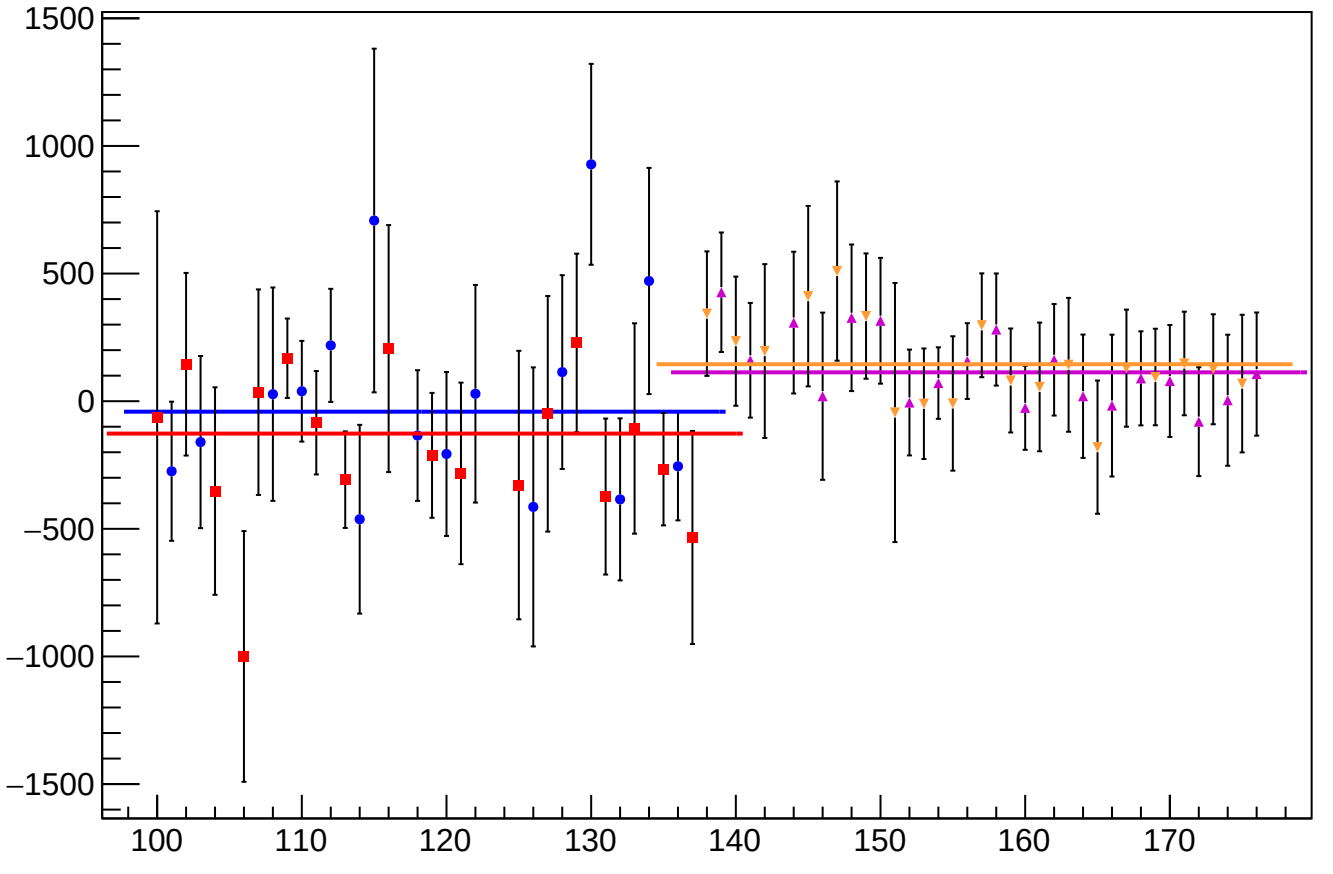
Left: 31.208+/-0.004 χ^2/NDF: 124105.2/37

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.183+/-0.005 χ^2/NDF:3334224.2/34

Out: 31.049+/-0.005 χ^2/NDF:3580096.6/36

All: 31.117+/-0.003 χ^2/NDF: 6914701.2/71



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.899+/-56.506 χ^2/NDF:6.5/18

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 113.031+/-48.686 χ^2/NDF:6.9/18

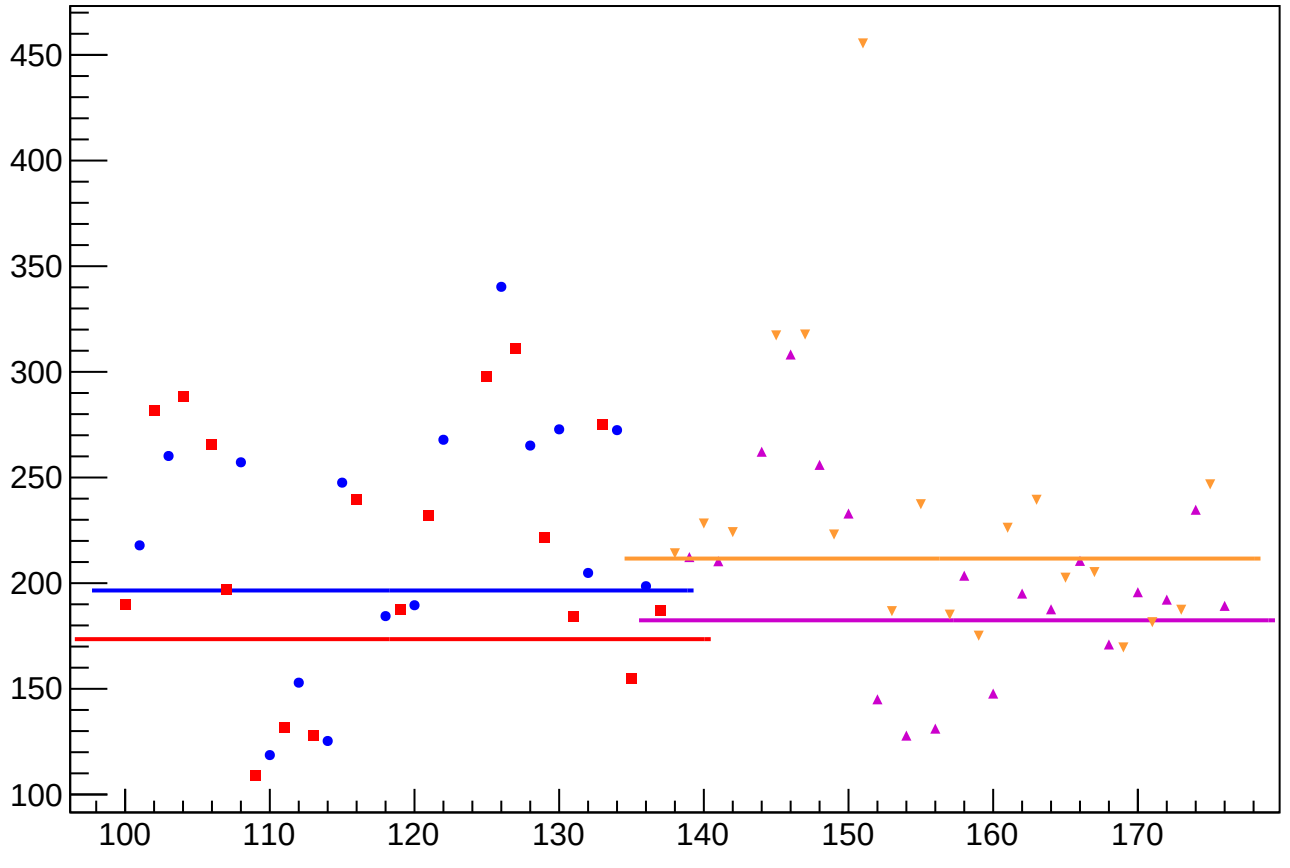
Left: 126.609+/-36.884 χ^2/NDF: 13.6/37

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 69.120+/-41.171 χ^2/NDF:25.4/34

Out: 36.513+/-43.814 χ^2/NDF:28.5/36

All: 53.829+/-30.003 χ^2/NDF: 54.2/71



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.645+/-0.040 χ^2/NDF:1217141.3/18

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

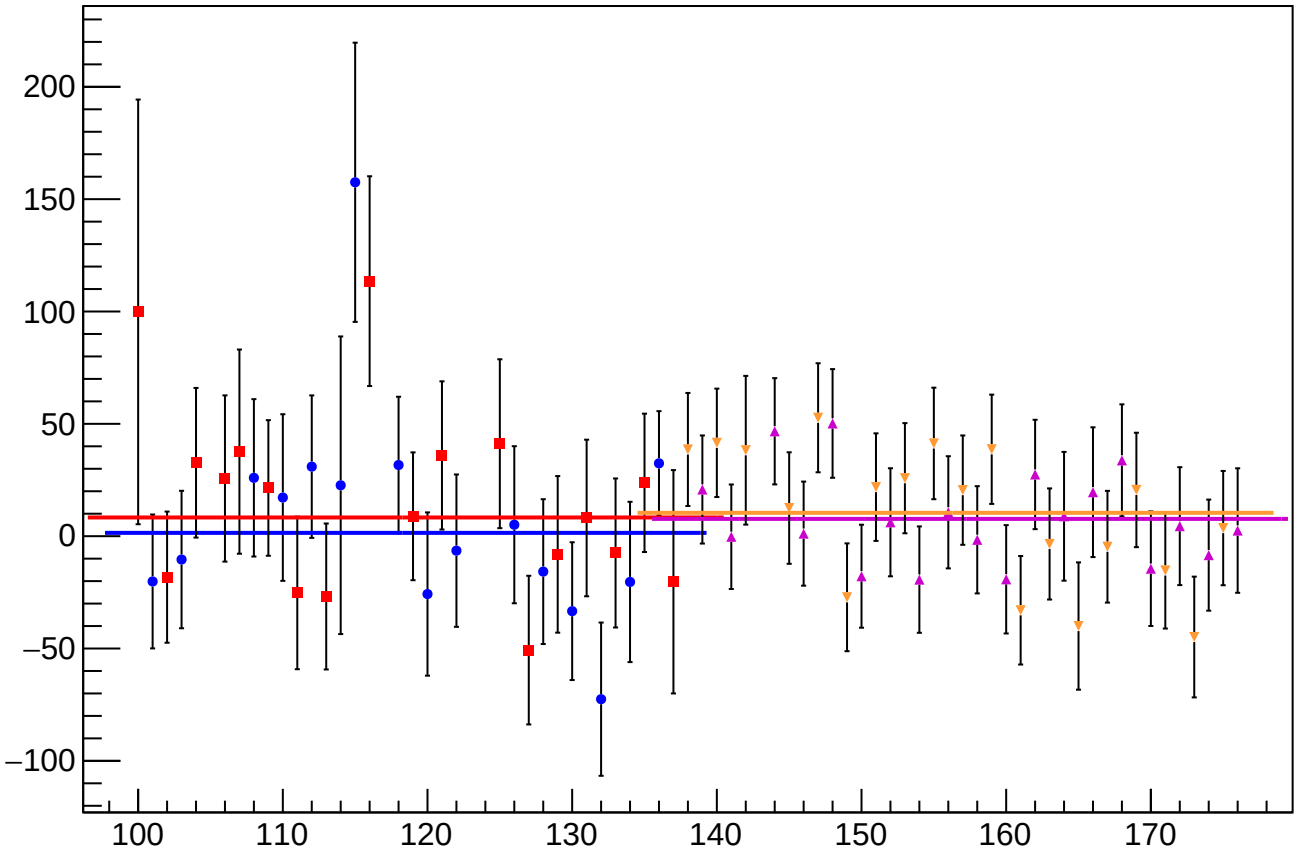
Left: 194.873+/-0.026 χ^2/NDF: 3109551.6/37

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 186.445+/-0.029 χ^2/NDF:2634099.3/34

Out: 196.437+/-0.031 χ^2/NDF:3113133.8/36

All: 191.130+/-0.021 χ^2/NDF: 5802481.8/71



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.399+/-5.787 χ^2/NDF:25.4/18

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 7.690+/-5.673 χ^2/NDF:13.4/18

Left: 9.017+/-4.051 χ^2/NDF: 38.9/37

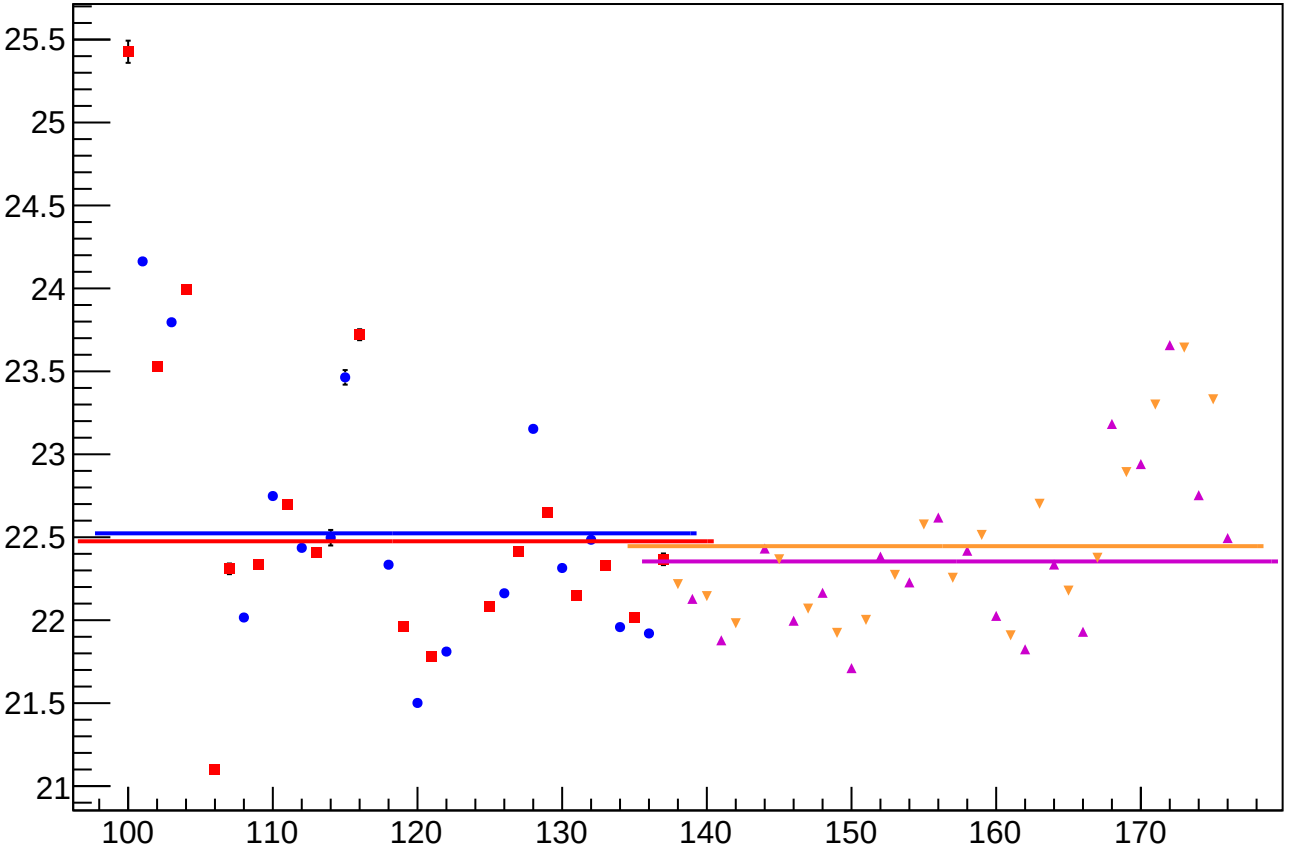
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.734+/-4.696 χ^2/NDF:32.5/34

Out: 9.720+/-4.744 χ^2/NDF:41.4/36

All: 7.706+/-3.337 χ^2/NDF: 74.2/71

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: 22.446+/-0.004 χ^2/NDF:13890.9/18

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

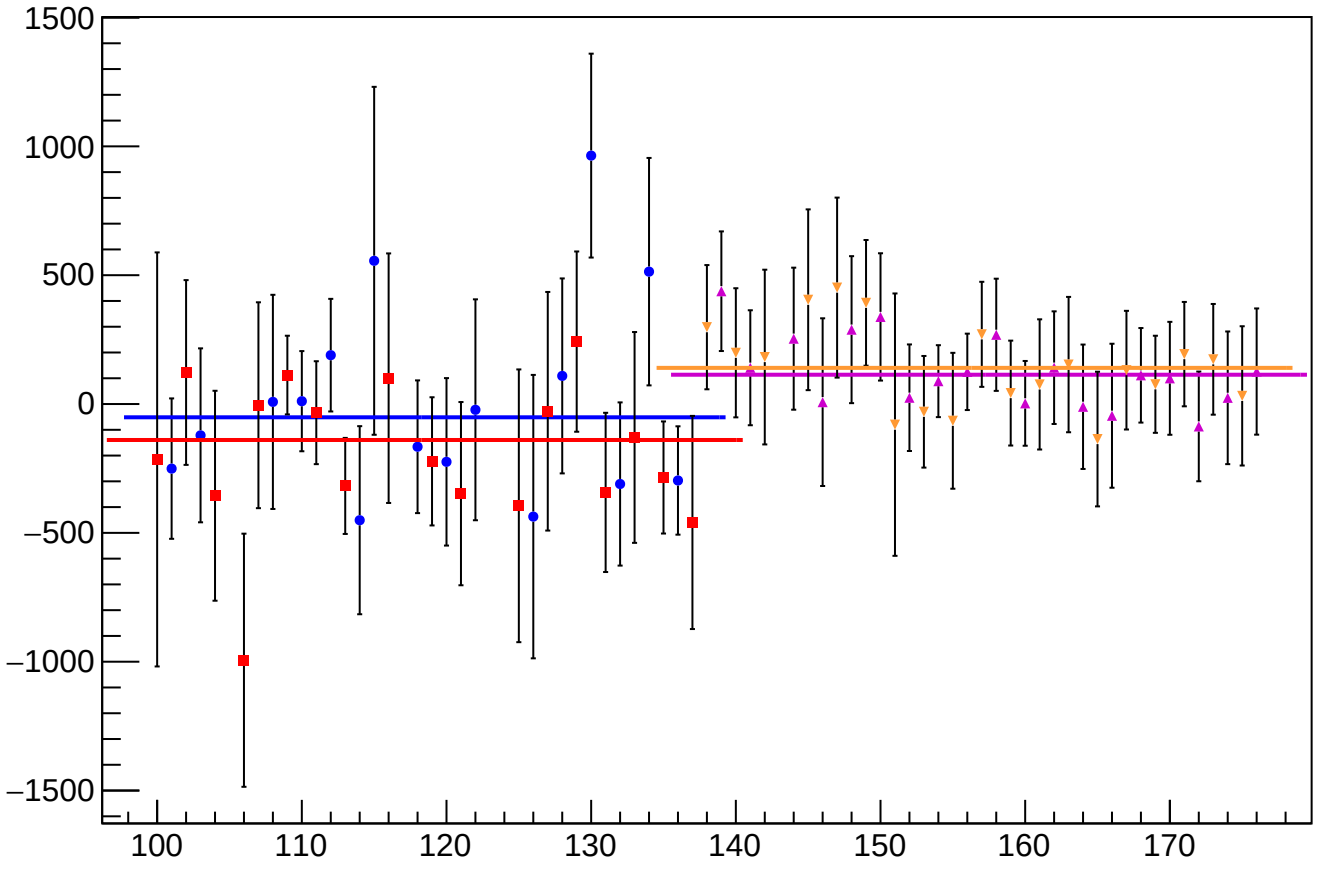
Left: 22.399+/-0.003 χ^2/NDF: 28182.1/37

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.407+/-0.003 χ^2/NDF:30542.4/34

Out: 22.456+/-0.003 χ^2/NDF:29444.5/36

All: 22.431+/-0.002 χ^2/NDF: 60092.0/71



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 140.325+/-56.404 χ^2/NDF:6.5/18

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 113.724+/-48.594 χ^2/NDF:6.3/18

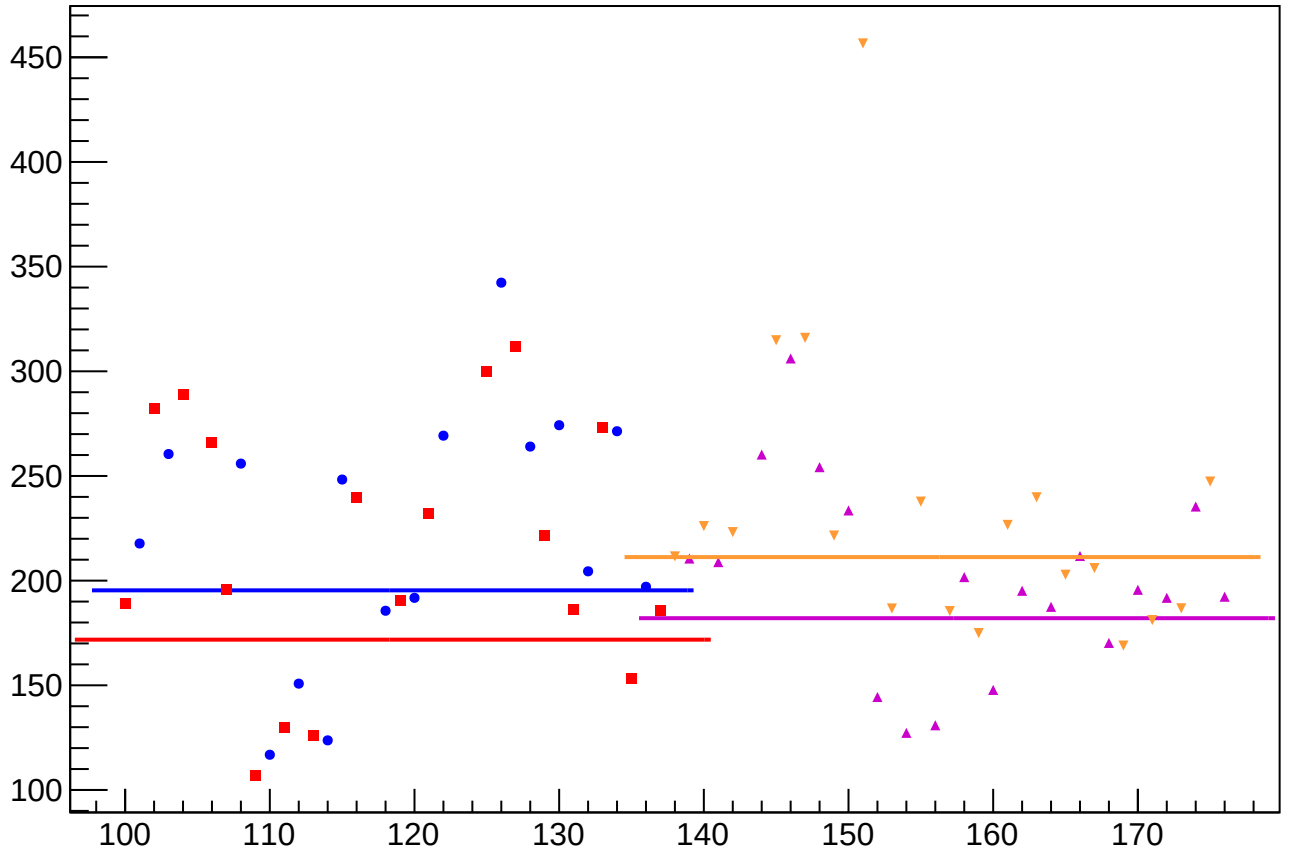
Left: 125.057+/-36.815 χ^2/NDF: 13.0/37

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 66.489+/-41.064 χ^2/NDF:25.0/34

Out: 28.001+/-43.642 χ^2/NDF:28.0/36

All: 48.415+/-29.906 χ^2/NDF: 53.4/71



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.246+/-0.040 χ^2/NDF:1213908.7/18

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

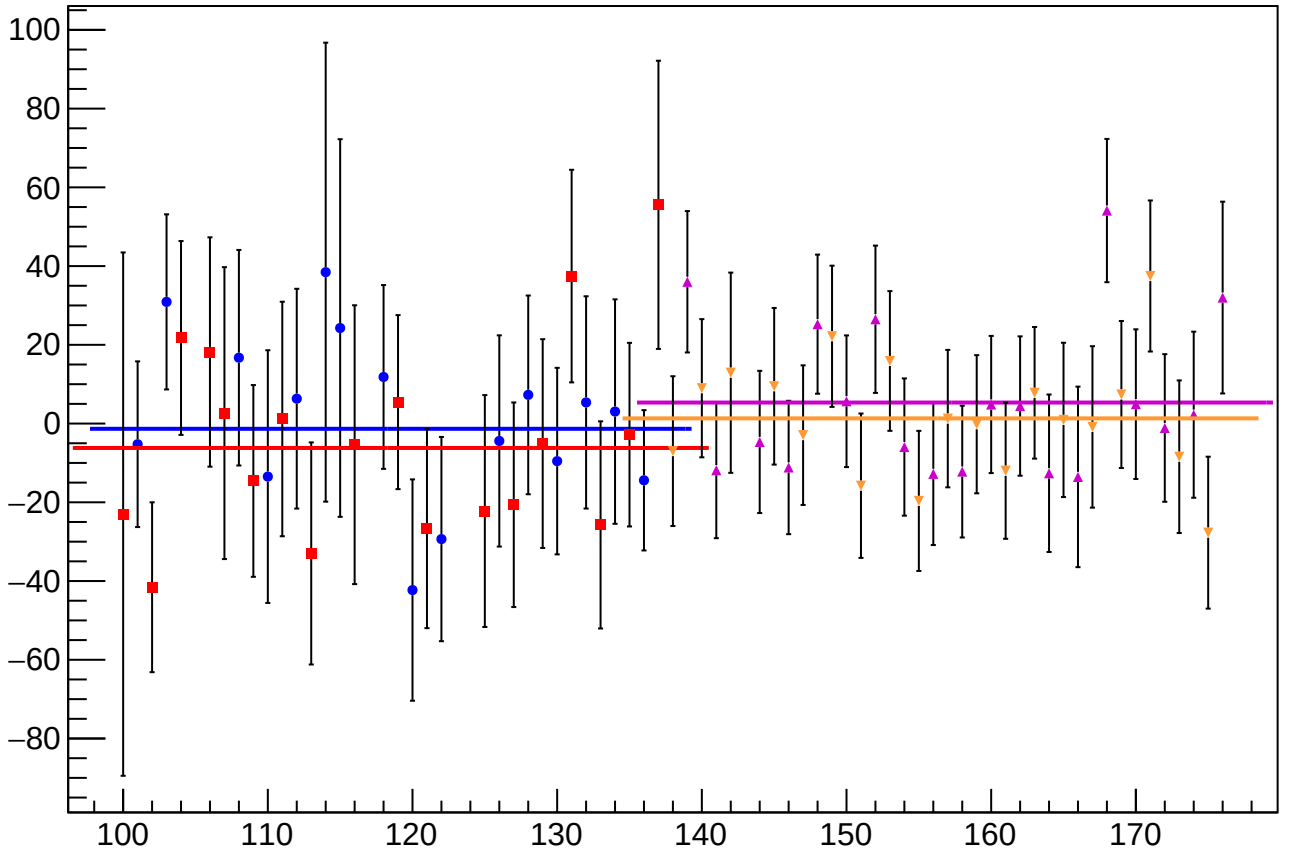
Left: 194.494+/-0.026 χ^2/NDF: 3102341.1/37

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.863+/-0.029 χ^2/NDF:2665335.7/34

Out: 195.417+/-0.031 χ^2/NDF:3207058.0/36

All: 190.349+/-0.021 χ^2/NDF: 5923234.4/71



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.320+/-4.262 χ^2/NDF:12.0/18

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 5.340+/-4.225 χ^2/NDF:20.2/18

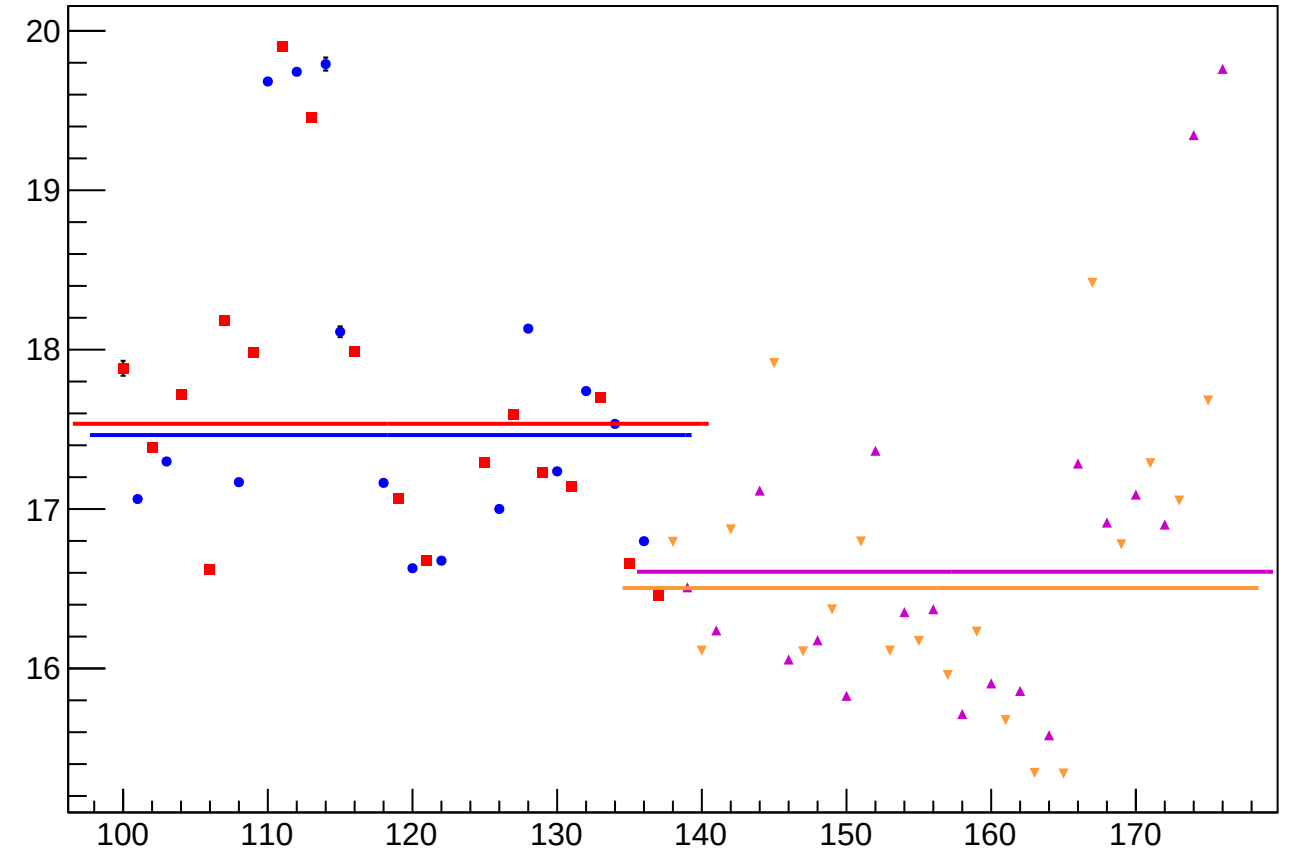
Left: 3.348+/-3.001 χ^2/NDF: 32.7/37

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.358+/-3.542 χ^2/NDF:29.0/34

Out: -0.953+/-3.560 χ^2/NDF:26.4/36

All: 1.213+/-2.511 χ^2/NDF: 56.2/71



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.505+/-0.003 χ^2/NDF:69209.5/18

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

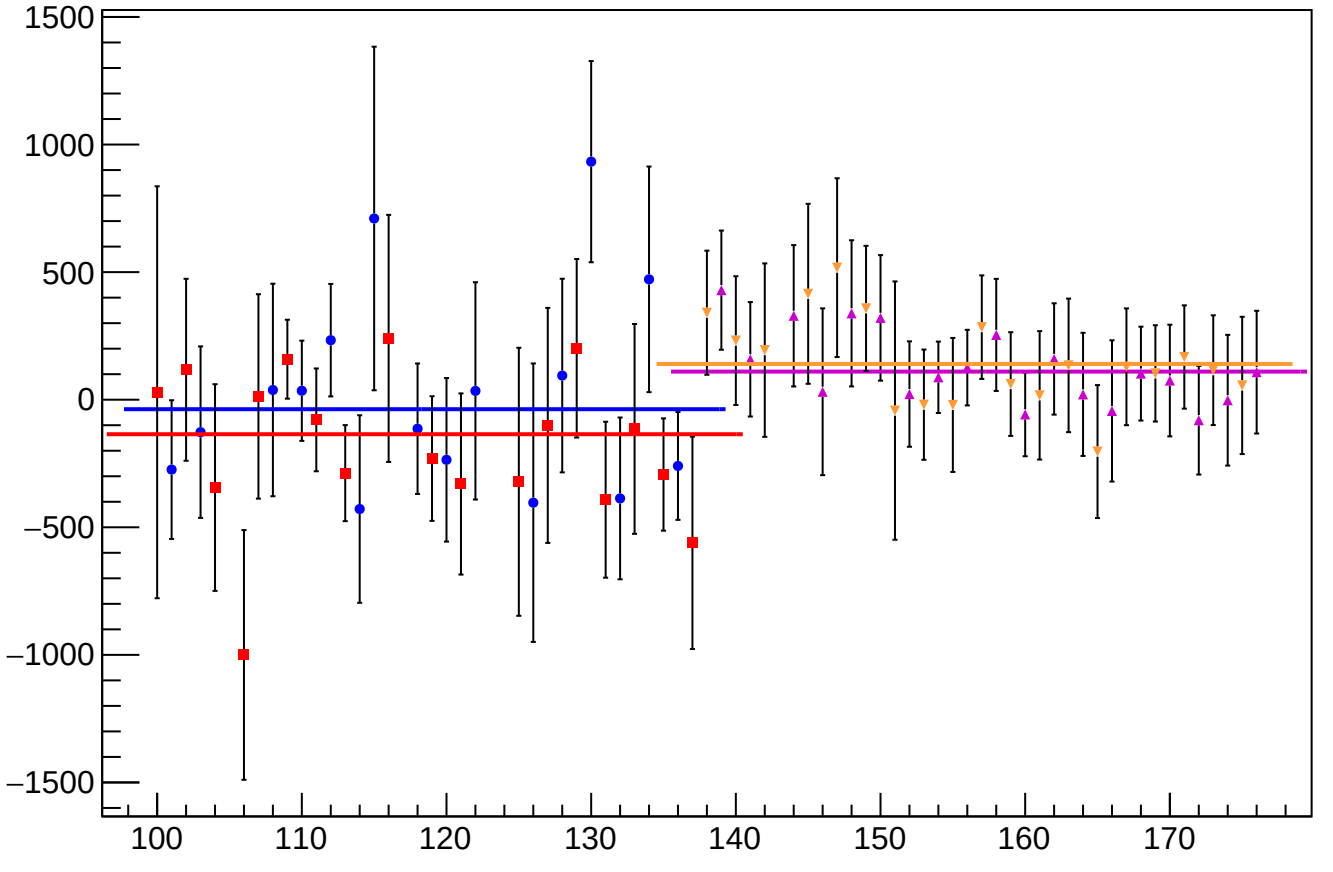
Left: 16.556+/-0.002 χ^2/NDF: 173176.3/37

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.862+/-0.003 χ^2/NDF:164509.6/34

Out: 16.816+/-0.003 χ^2/NDF:139045.1/36

All: 16.839+/-0.002 χ^2/NDF: 303717.5/71



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 140.067+/-56.384 χ^2/NDF:7.2/18

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 110.196+/-48.588 χ^2/NDF:7.2/18

Left: 122.925+/-36.807 χ^2/NDF: 14.6/37

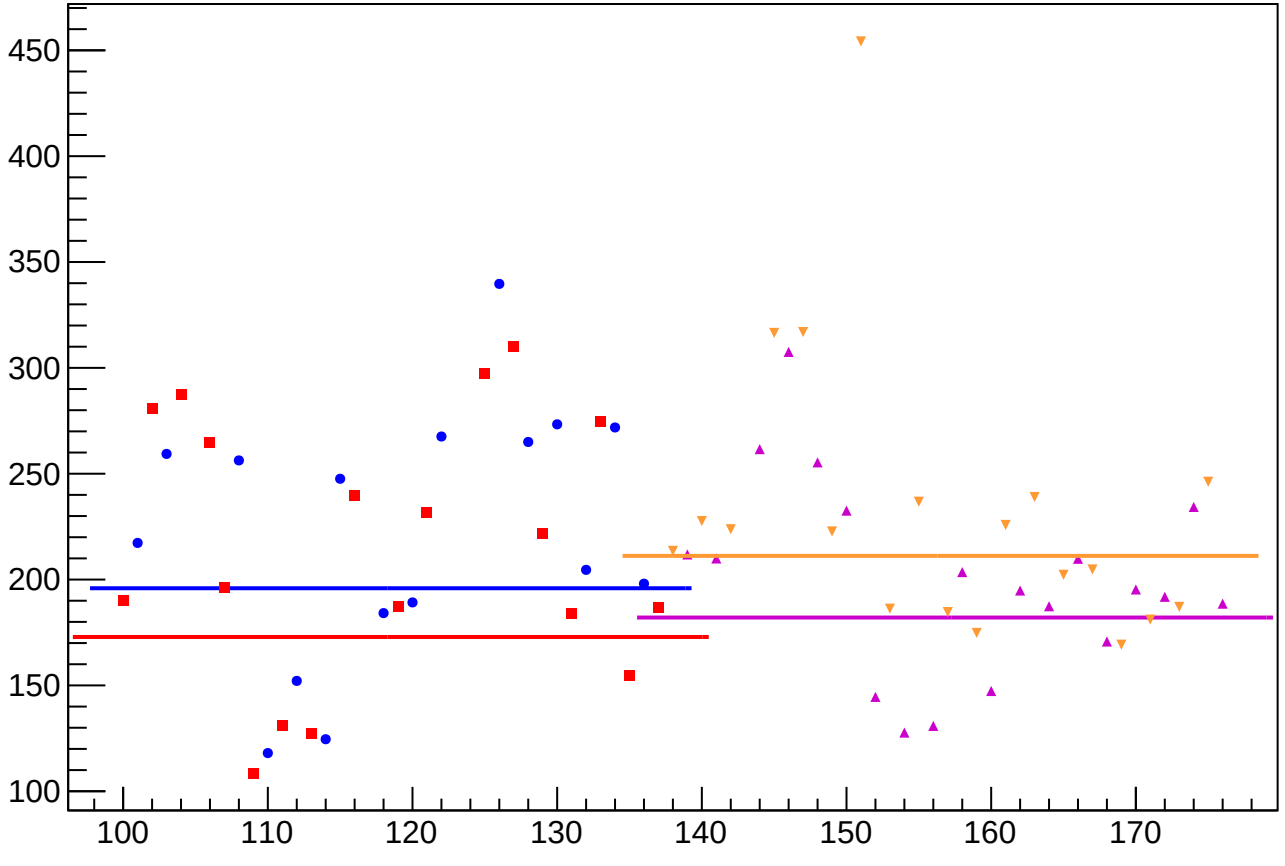
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.141+/-41.078 χ^2/NDF:25.5/34

Out: 30.123+/-43.700 χ^2/NDF:29.6/36

All: 50.307+/-29.931 χ^2/NDF: 55.4/71

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: 211.190+/-0.040 χ^2/NDF:1216563.2/18

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

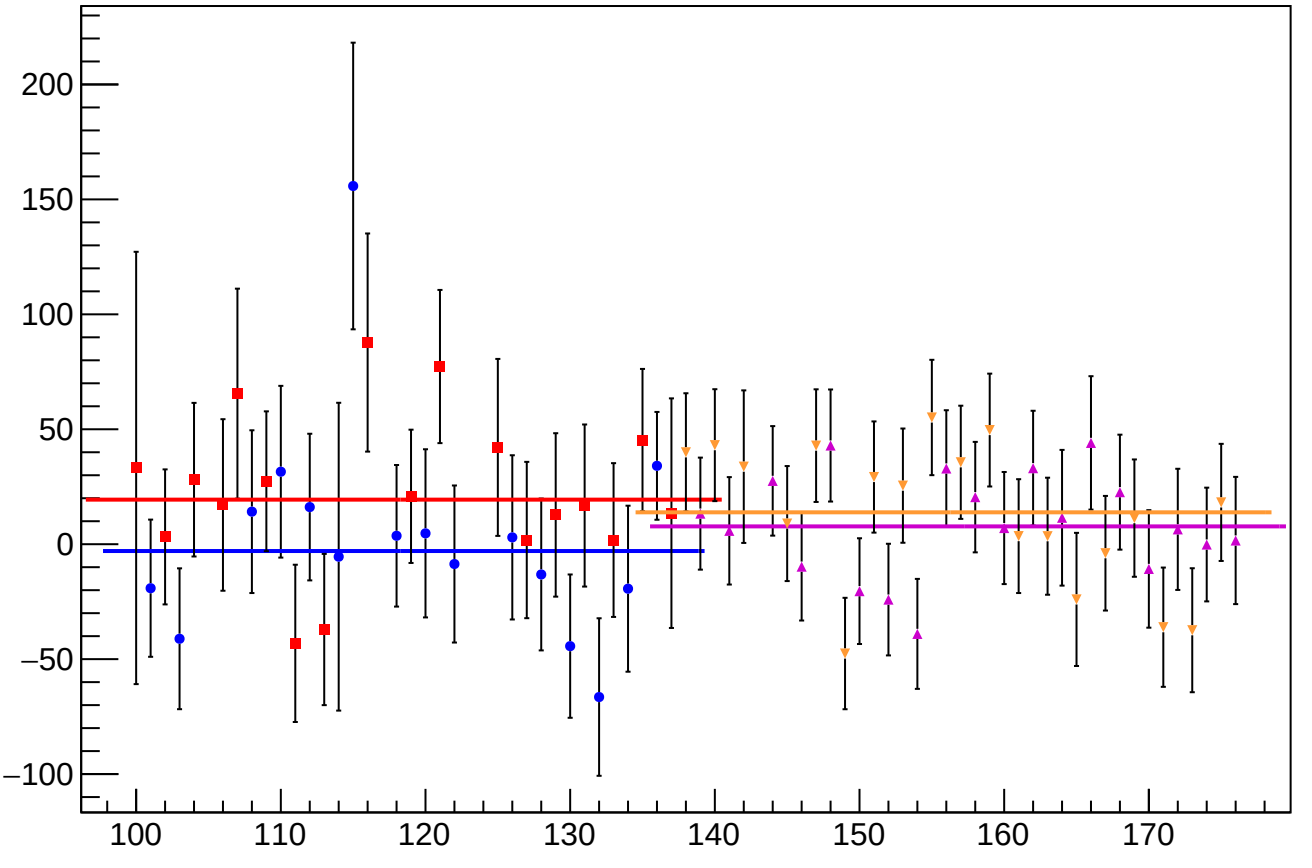
Left: 194.473+/-0.026 χ^2/NDF: 3108198.4/37

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 186.006+/-0.029 χ^2/NDF:2642569.7/34

Out: 195.890+/-0.031 χ^2/NDF:3128624.7/36

All: 190.643+/-0.021 χ^2/NDF: 5825508.6/71



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.870+/-5.851 χ^2/NDF:26.9/18

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 7.750+/-5.723 χ^2/NDF:15.3/18

Left: 10.743+/-4.091 χ^2/NDF: 42.8/37

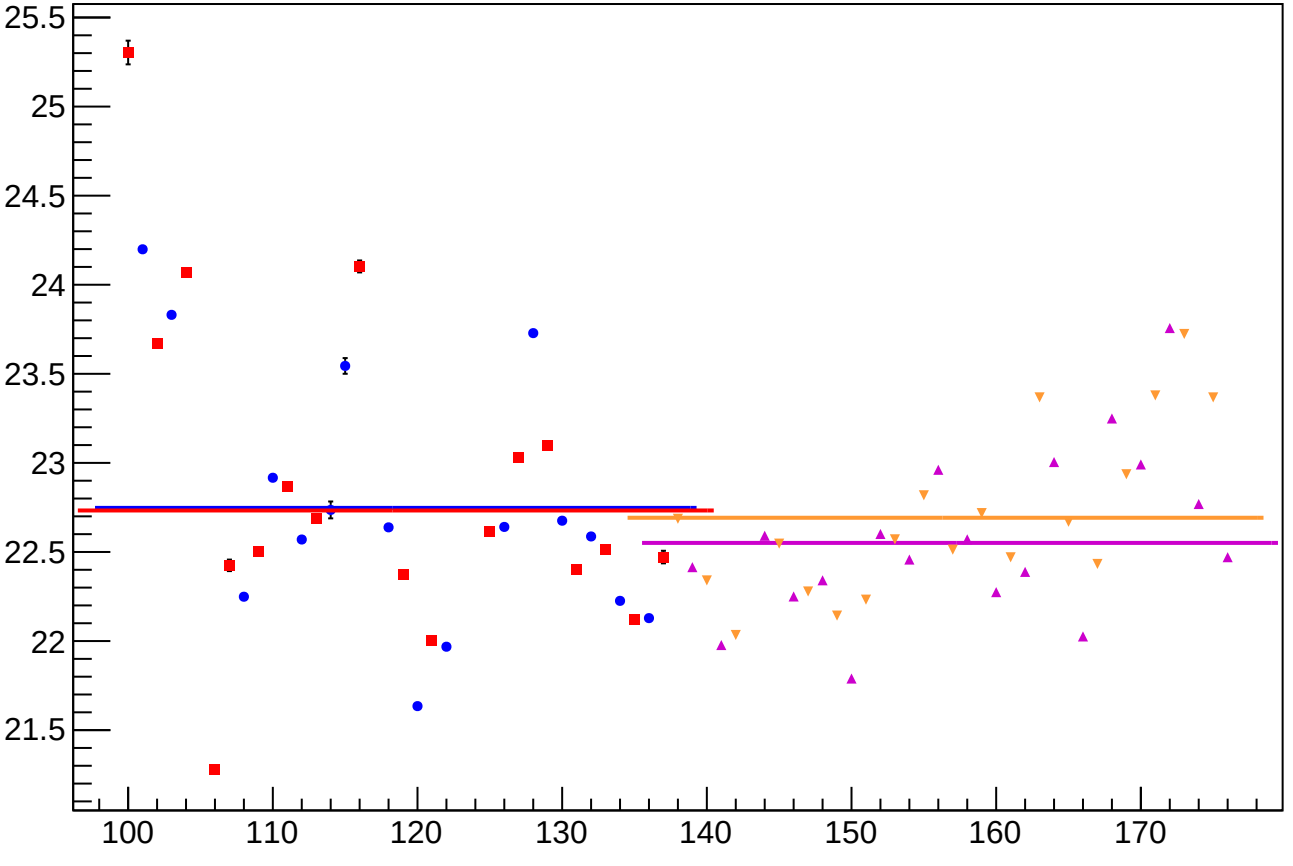
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.382+/-4.739 χ^2/NDF:34.4/34

Out: 15.678+/-4.797 χ^2/NDF:41.7/36

All: 9.961+/-3.371 χ^2/NDF: 78.8/71

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: 22.692+/-0.004 χ^2/NDF:11501.4/18

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

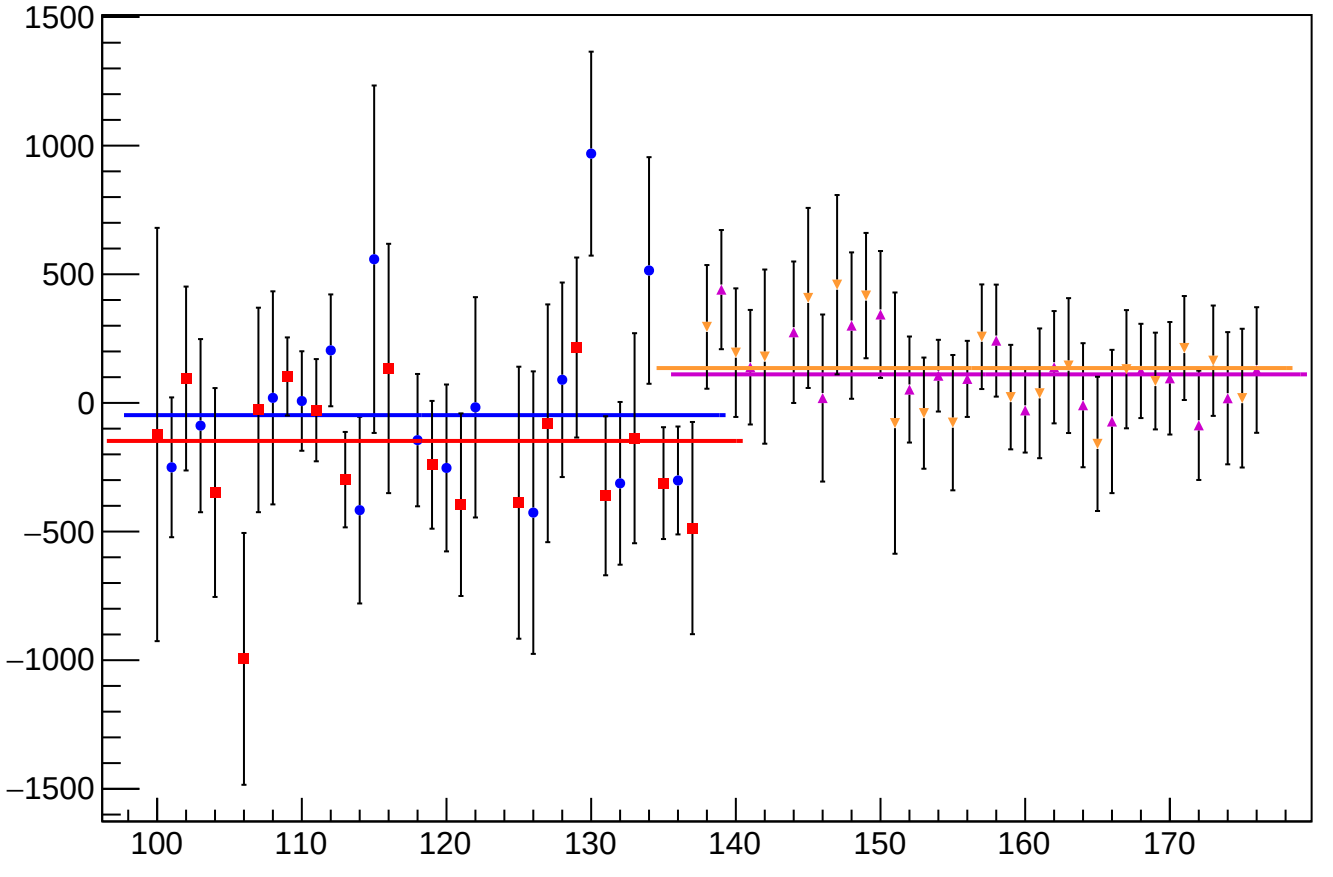
Left: 22.620+/-0.003 χ^2/NDF: 24585.7/37

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.613+/-0.003 χ^2/NDF:27853.3/34

Out: 22.705+/-0.003 χ^2/NDF:25923.0/36

All: 22.659+/-0.002 χ^2/NDF: 54155.0/71



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.438+/-56.282 χ^2/NDF:7.3/18

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 110.976+/-48.497 χ^2/NDF:6.7/18

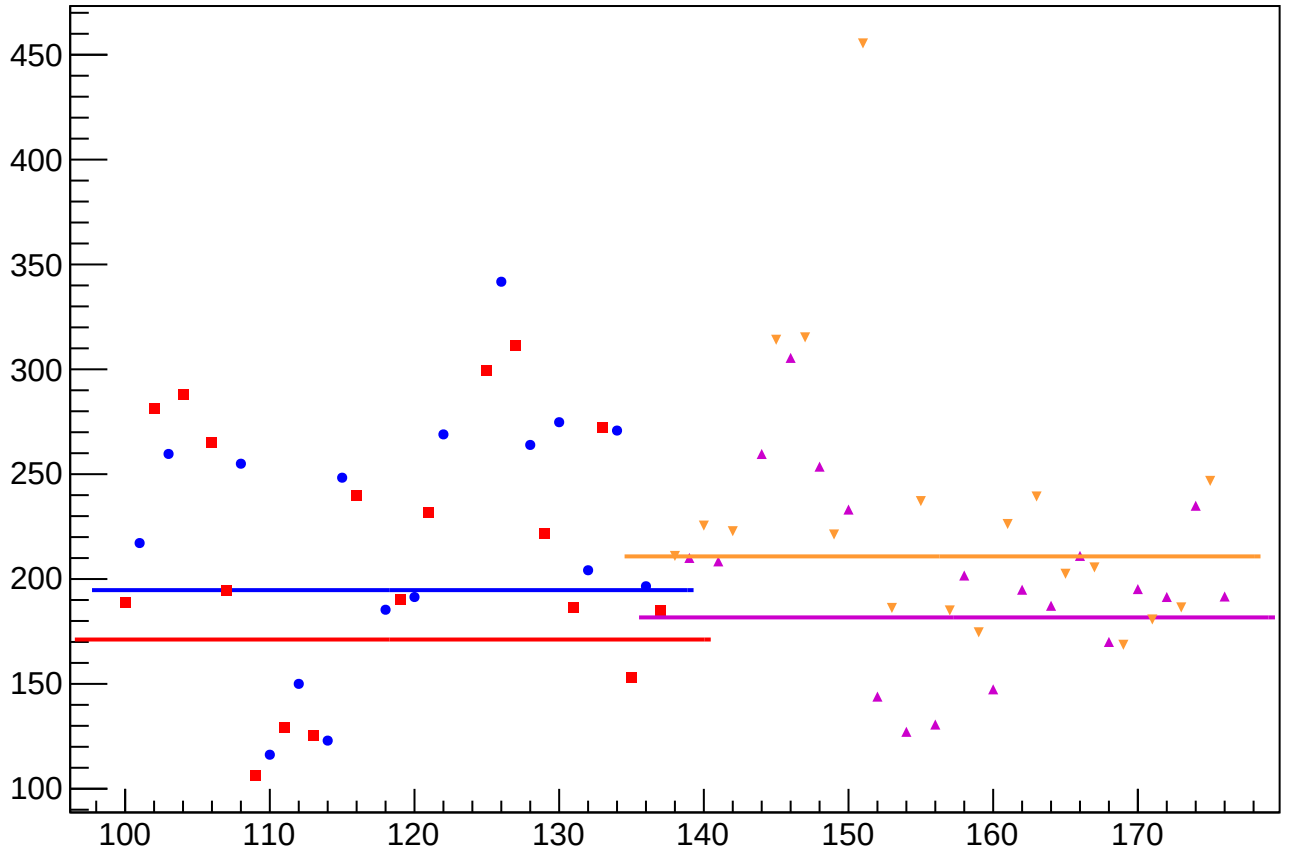
Left: 121.399+/-36.739 χ^2/NDF: 14.2/37

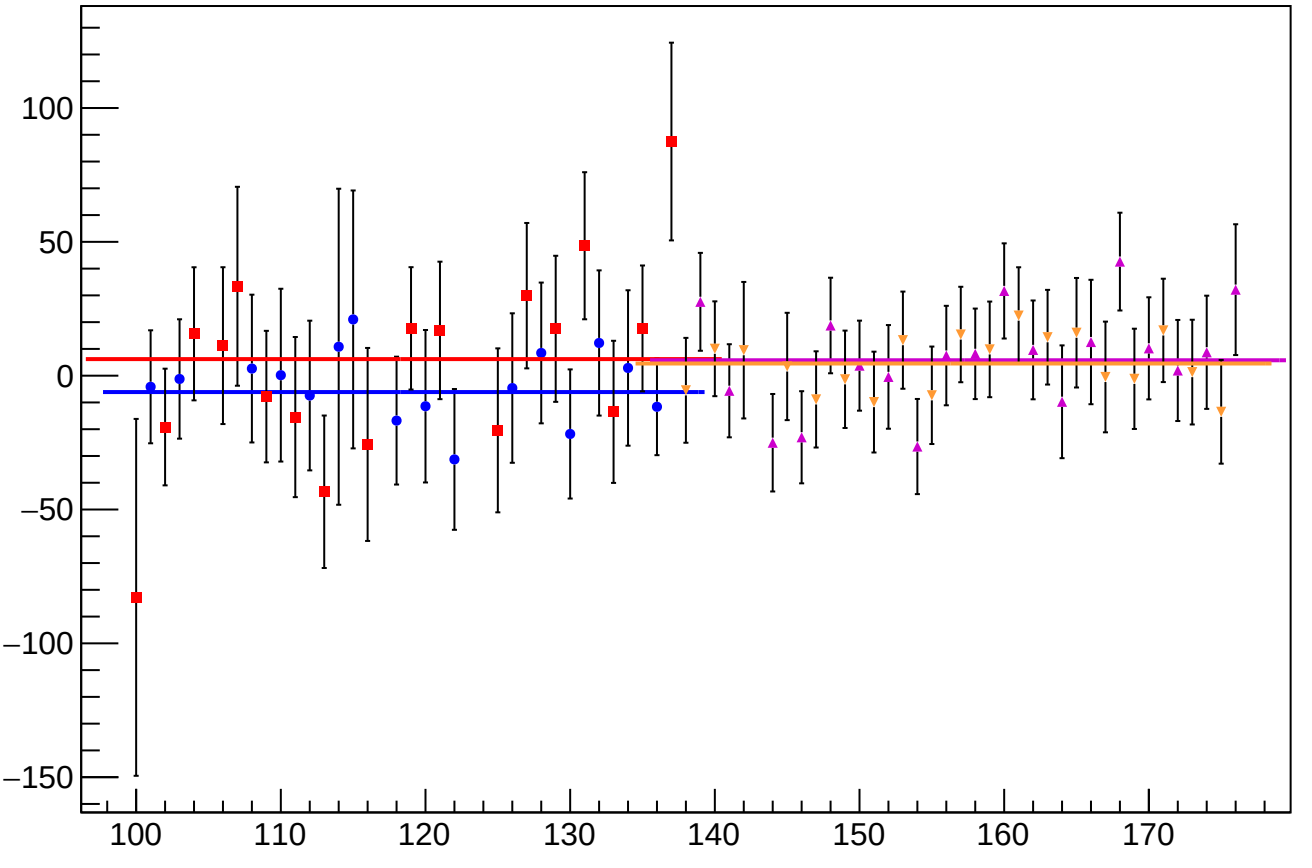
Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 65.599+/-40.970 χ^2/NDF:25.2/34

Out: 21.602+/-43.527 χ^2/NDF:29.0/36

All: 44.930+/-29.833 χ^2/NDF: 54.7/71


asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 194.708+/-0.054 χ²/NDF: 1052288.9/15
Left Out: 210.792+/-0.040 χ²/NDF:1213348.7/18
Right Out: 171.156+/-0.049 χ²/NDF: 1611935.6/17
Left In: 181.699+/-0.034 χ²/NDF:1580736.4/18
Left: 194.095+/-0.026 χ²/NDF: 3100770.9/37
Right: 181.653+/-0.036 χ²/NDF: 2769105.7/33
In: 185.423+/-0.029 χ²/NDF:2674227.2/34
Out: 194.862+/-0.031 χ²/NDF:3223911.9/36
All: 189.857+/-0.021 χ²/NDF: 5948008.9/71



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.550+/-4.348 χ^2/NDF:5.8/18

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 5.760+/-4.293 χ^2/NDF:19.6/18

Left: 5.162+/-3.055 χ^2/NDF: 25.5/37

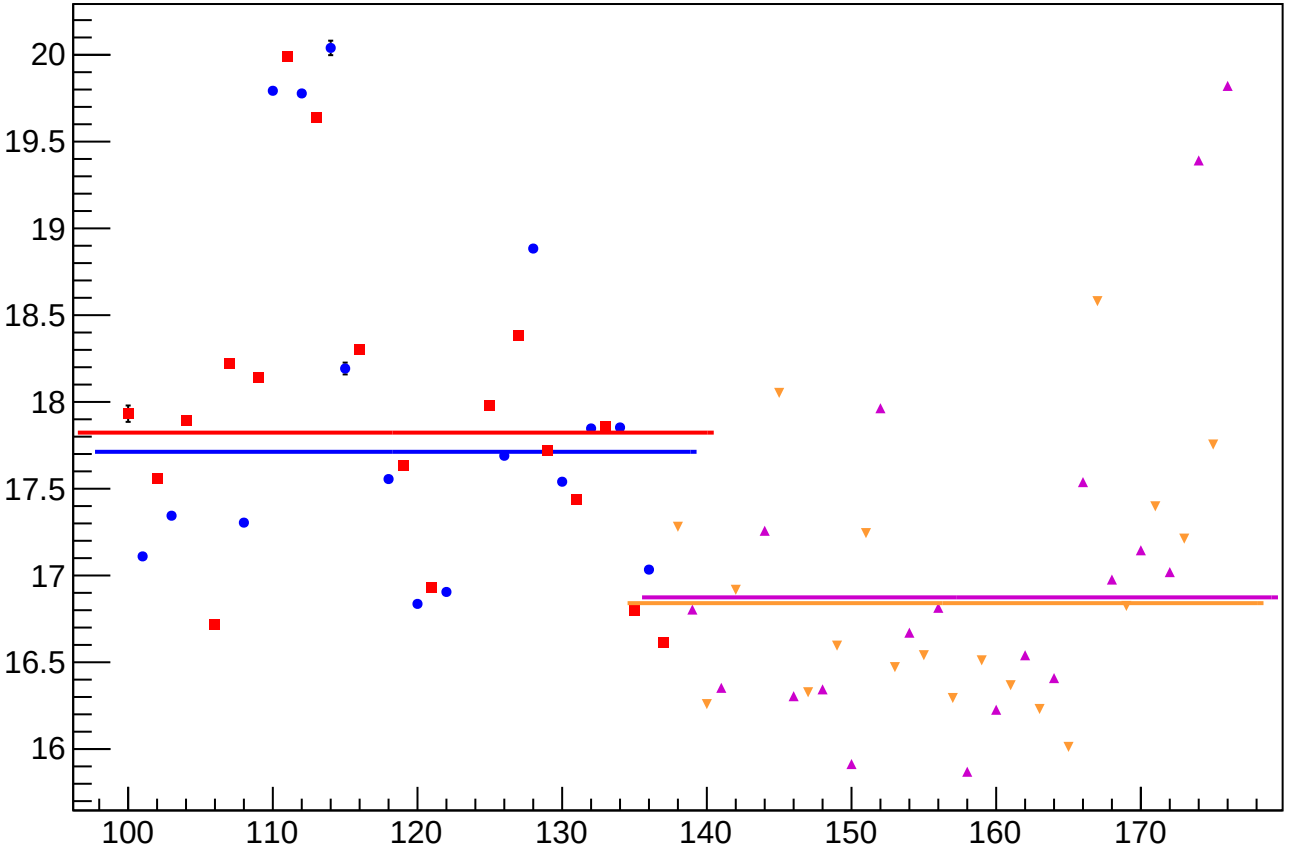
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 2.222+/-3.598 χ^2/NDF:25.0/34

Out: 5.050+/-3.628 χ^2/NDF:24.5/36

All: 3.624+/-2.555 χ^2/NDF: 49.8/71

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: 16.841+/-0.003 χ^2/NDF:45354.5/18

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

Left: 16.858+/-0.002 χ^2/NDF: 136215.5/37

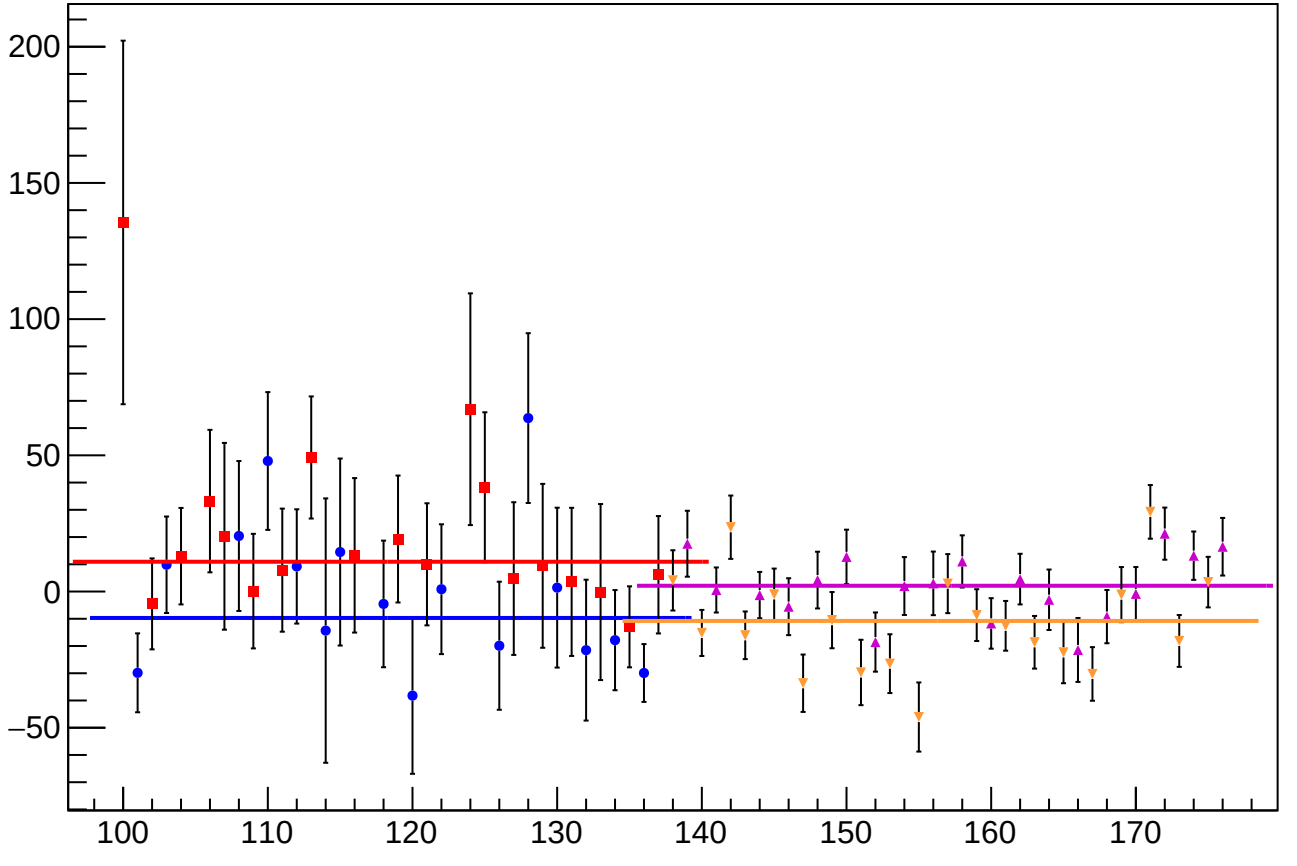
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.124+/-0.003 χ^2/NDF:149513.8/34

Out: 17.139+/-0.003 χ^2/NDF:108893.1/36

All: 17.131+/-0.002 χ^2/NDF: 258425.4/71

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.789+/-2.252 χ^2/NDF:57.0/19

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 2.120+/-2.287 χ^2/NDF:23.4/18

Left: -4.433+/-1.605 χ^2/NDF: 96.6/38

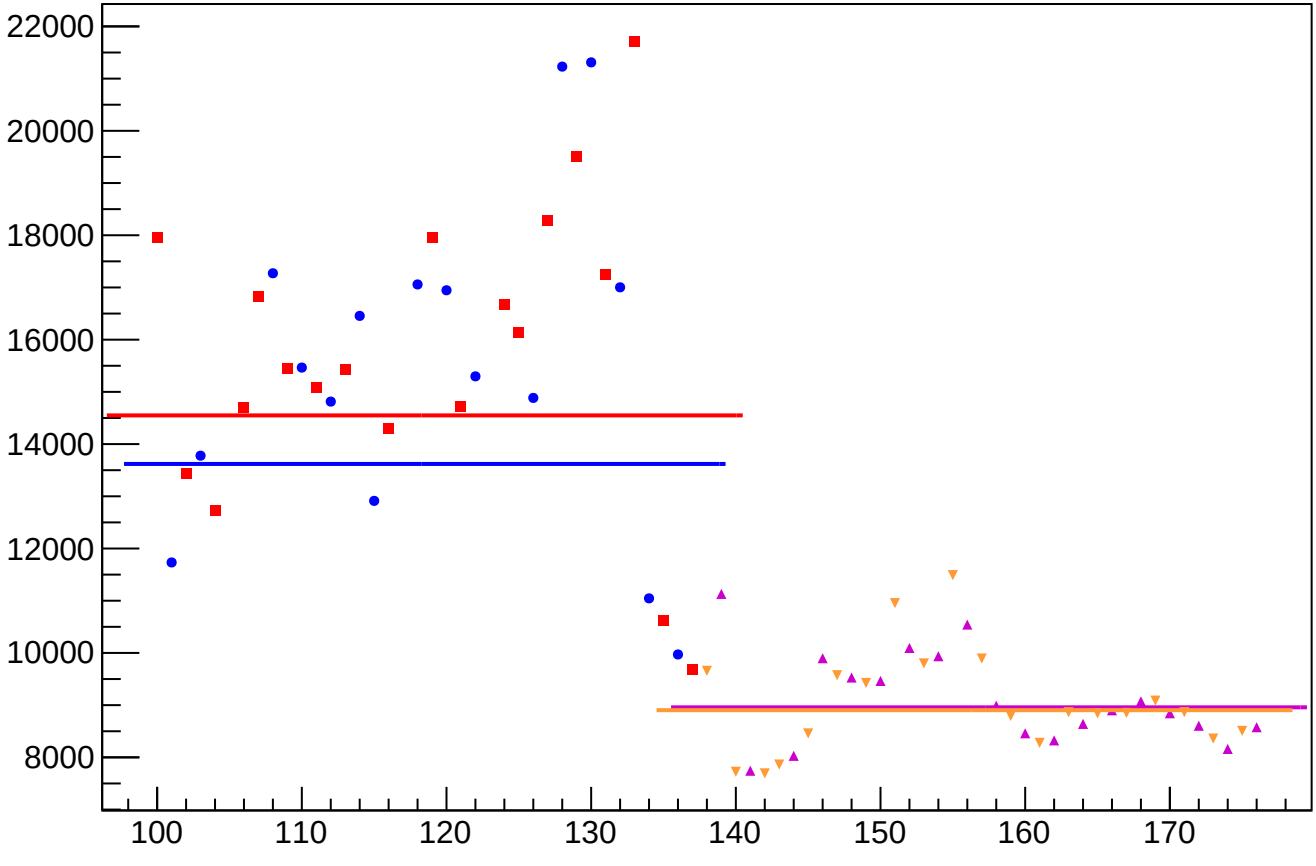
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: 0.223+/-2.095 χ^2/NDF:49.7/34

Out: -7.606+/-2.081 χ^2/NDF:84.7/38

All: -3.719+/-1.476 χ^2/NDF: 141.4/73

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8903.863+/-1.593 χ^2/NDF:308409.2/19

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8958.244+/-1.617 χ^2/NDF:273252.6/18

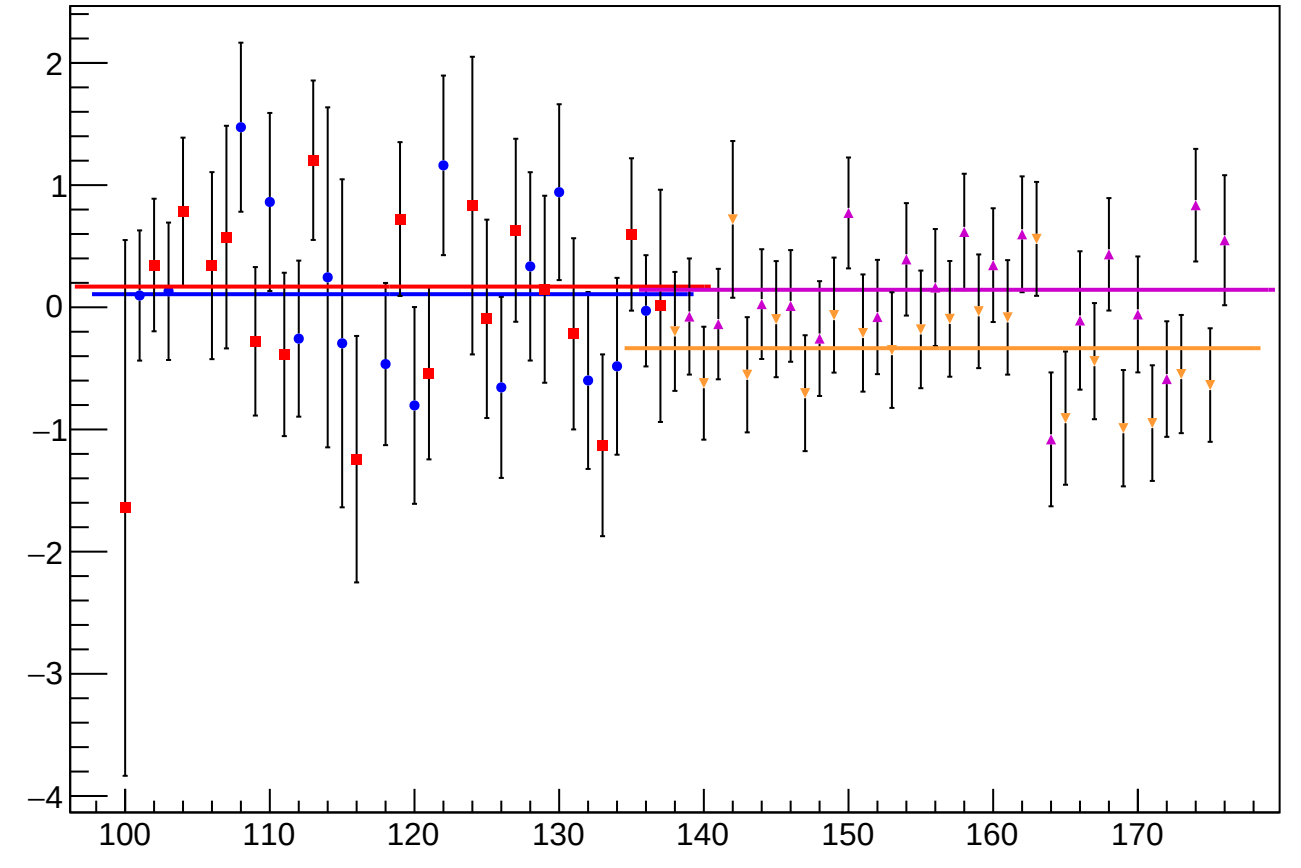
Left: 8930.639+/-1.135 χ^2/NDF: 582235.8/38

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9706.163+/-1.482 χ^2/NDF:2353500.2/34

Out: 9731.031+/-1.471 χ^2/NDF:2705457.1/38

All: 9718.684+/-1.044 χ^2/NDF: 5059099.2/73



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.335+/-0.108 χ^2/NDF:14.7/19

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.143+/-0.109 χ^2/NDF:17.0/18

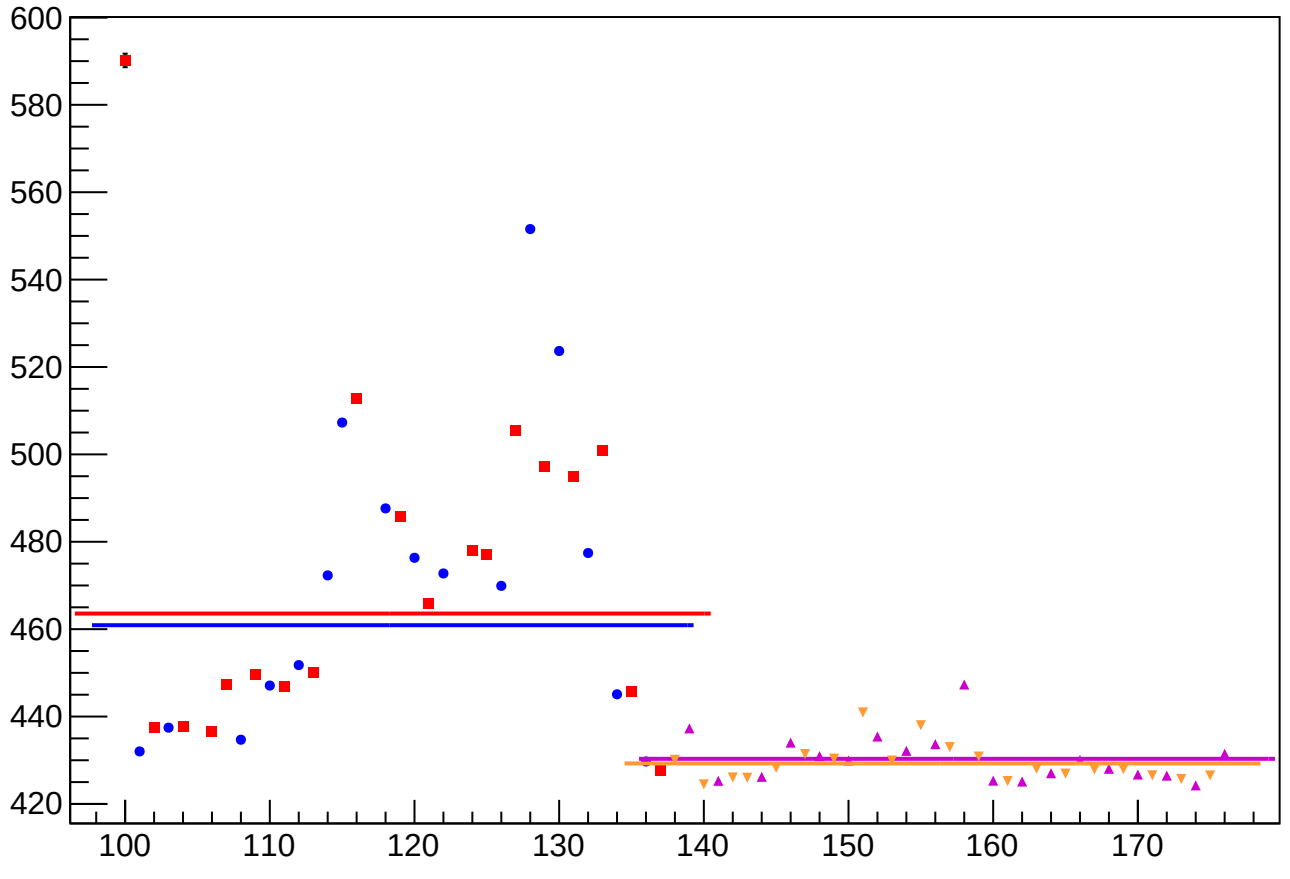
Left: -0.099+/-0.077 χ^2/NDF: 41.4/38

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.133+/-0.092 χ^2/NDF:30.7/34

Out: -0.190+/-0.091 χ^2/NDF:35.1/38

All: -0.030+/-0.065 χ^2/NDF: 72.0/73



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.269+/-0.076 χ^2/NDF:2895.5/19

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.328+/-0.077 χ^2/NDF:5095.8/18

Left: 429.791+/-0.054 χ^2/NDF: 8086.5/38

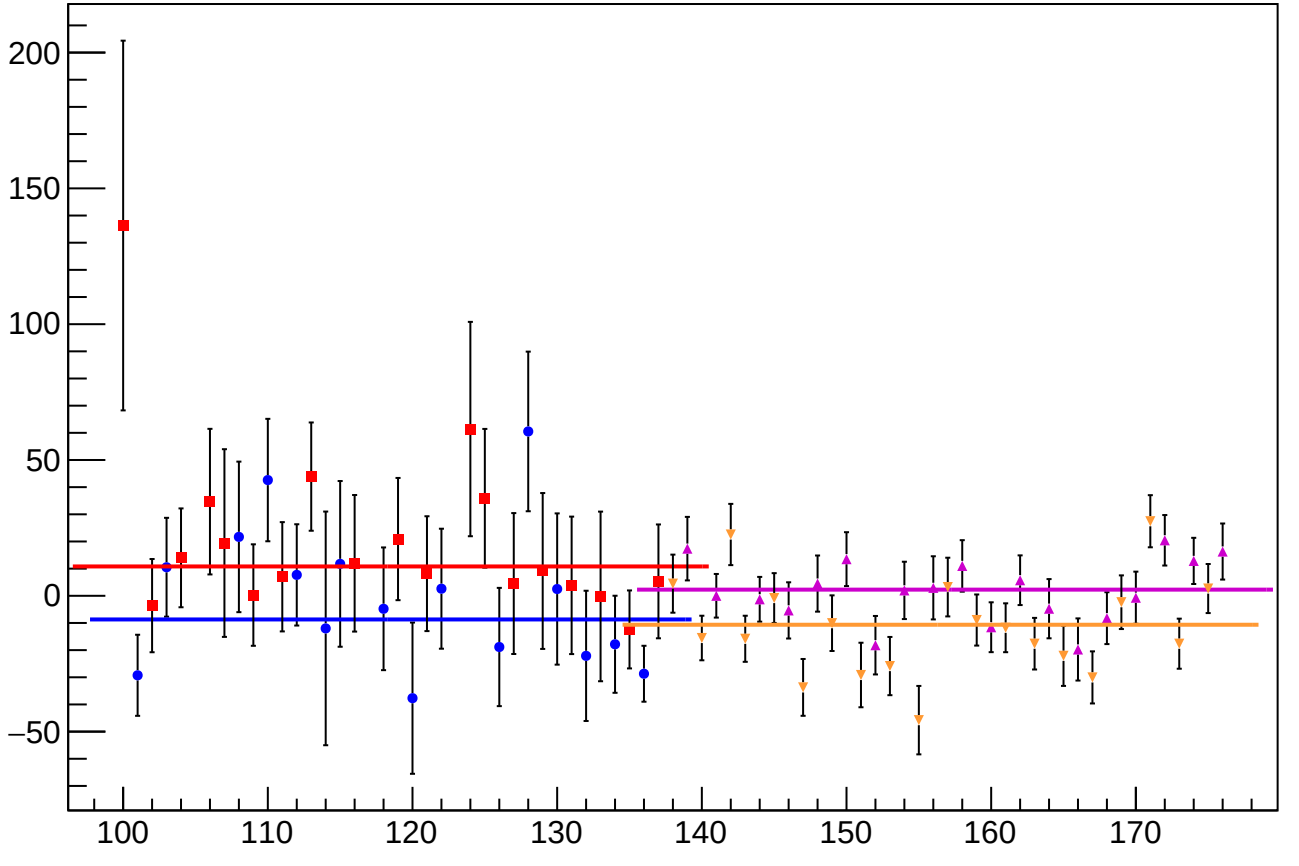
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 439.131+/-0.065 χ^2/NDF:125195.3/34

Out: 439.146+/-0.064 χ^2/NDF:113445.8/38

All: 439.138+/-0.046 χ^2/NDF: 238641.1/73

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.656+/-2.206 χ^2/NDF:56.3/19

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 2.271+/-2.241 χ^2/NDF:23.3/18

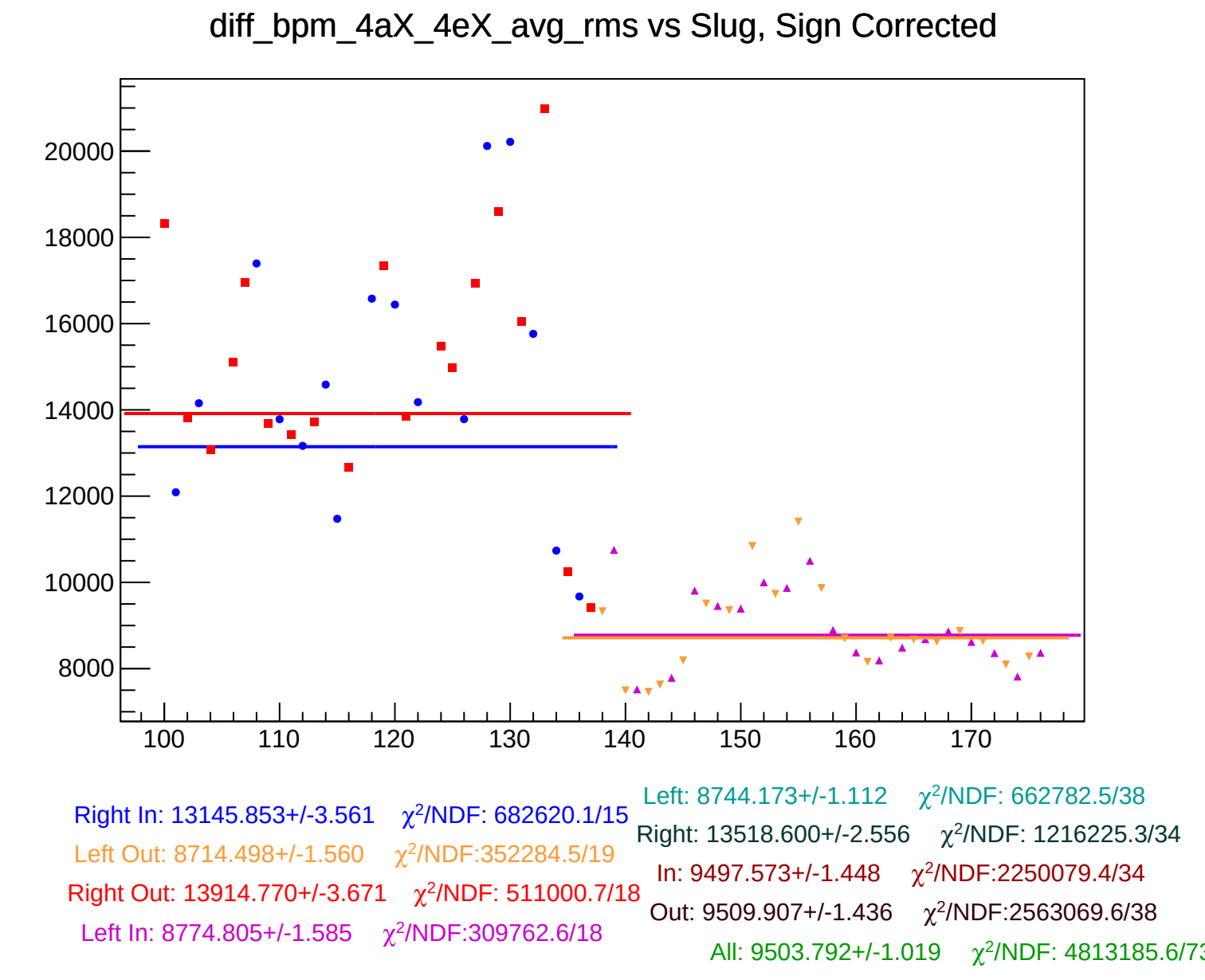
Left: -4.295+/-1.572 χ^2/NDF: 96.5/38

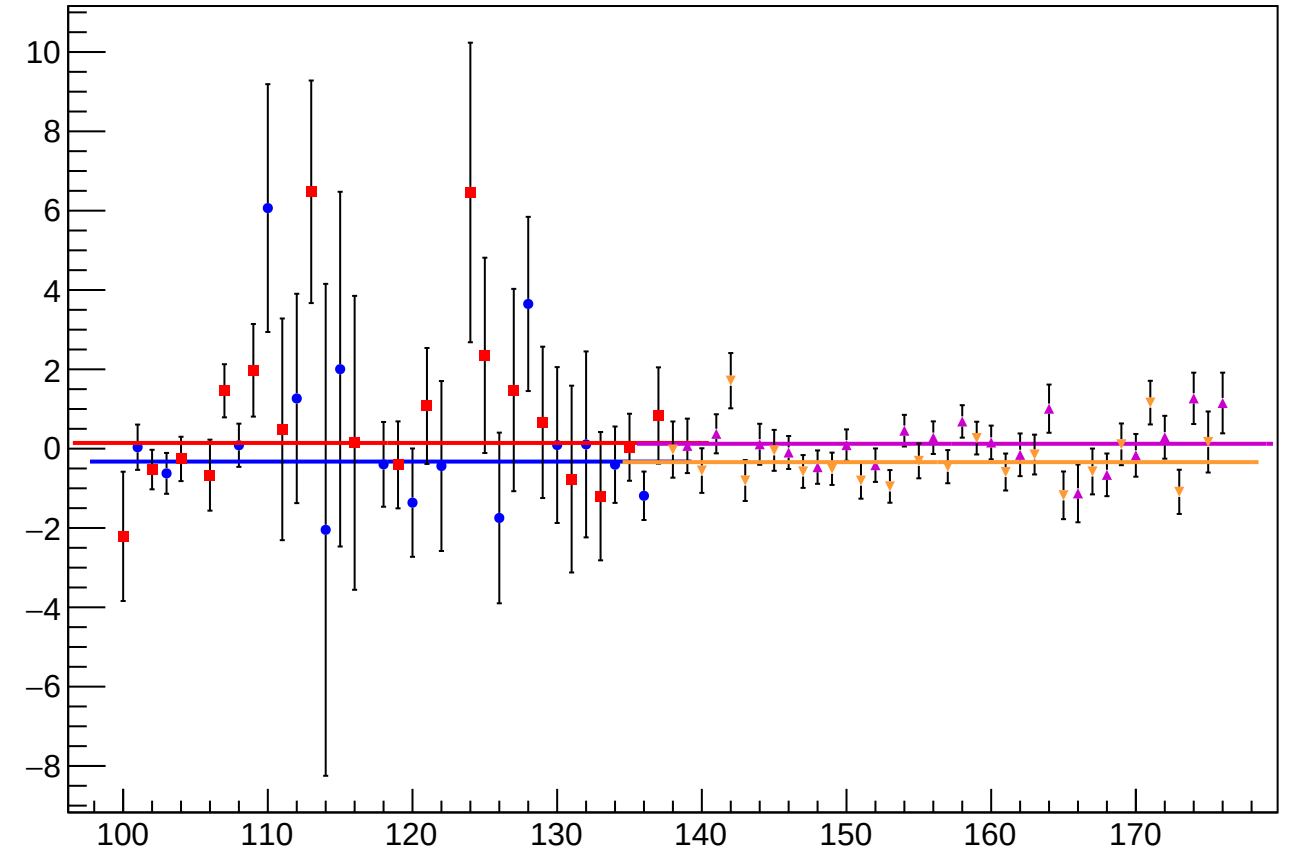
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: 0.456+/-2.048 χ^2/NDF:49.6/34

Out: -7.373+/-2.030 χ^2/NDF:84.6/38

All: -3.492+/-1.442 χ^2/NDF: 141.5/73


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8714.498+/-1.560 χ²/NDF:352284.5/19
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8774.805+/-1.585 χ²/NDF:309762.6/18
Left: 8744.173+/-1.112 χ²/NDF: 662782.5/38
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9497.573+/-1.448 χ²/NDF:2250079.4/34
Out: 9509.907+/-1.436 χ²/NDF:2563069.6/38
All: 9503.792+/-1.019 χ²/NDF: 4813185.6/73



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.340+/-0.112 χ^2/NDF:29.1/19

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.123+/-0.112 χ^2/NDF:19.7/18

Left: -0.109+/-0.079 χ^2/NDF: 57.3/38

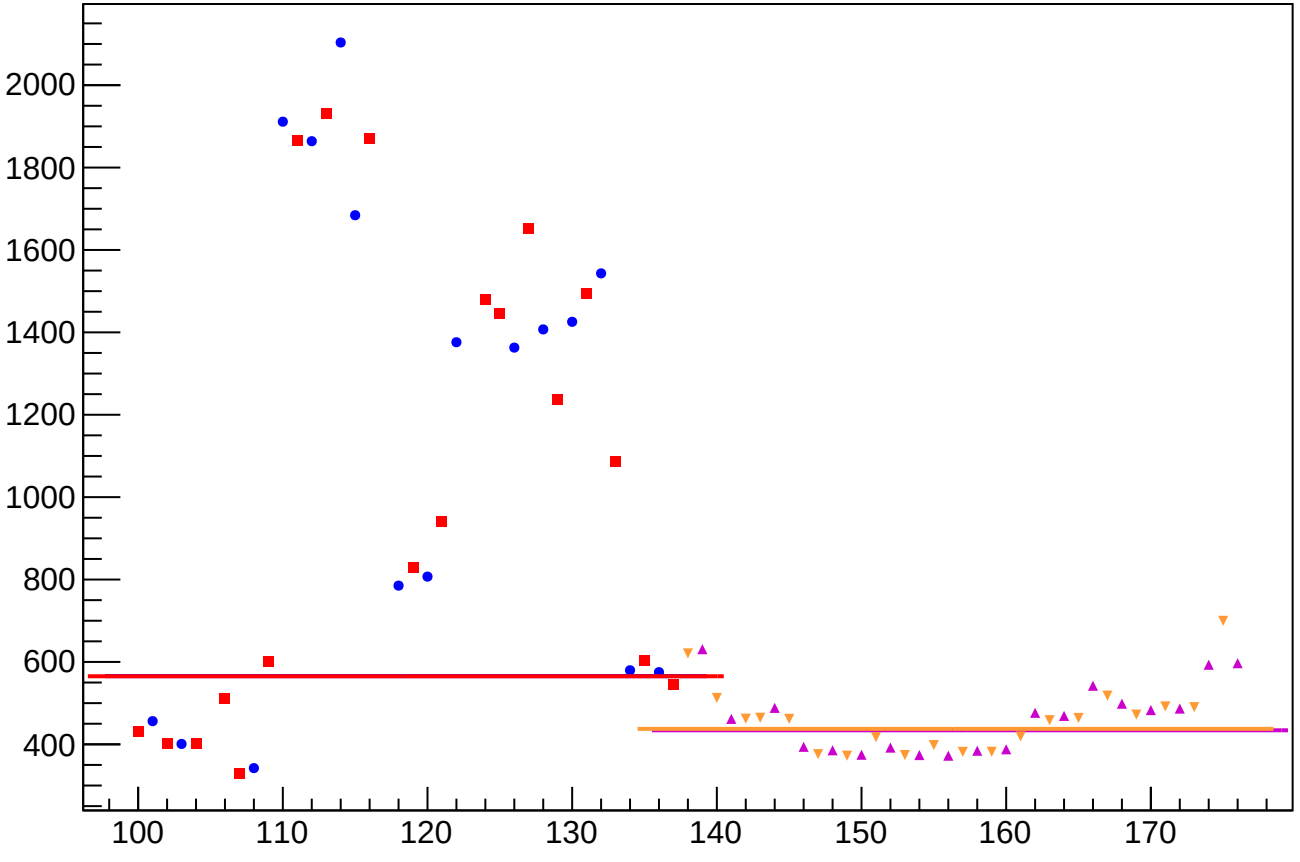
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.045+/-0.102 χ^2/NDF:35.0/34

Out: -0.256+/-0.102 χ^2/NDF:54.8/38

All: -0.106+/-0.072 χ^2/NDF: 94.2/73

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.585+/-0.079 χ^2/NDF:744342.3/19

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 434.061+/-0.079 χ^2/NDF:785367.7/18

Left: 435.830+/-0.056 χ^2/NDF: 1530703.1/38

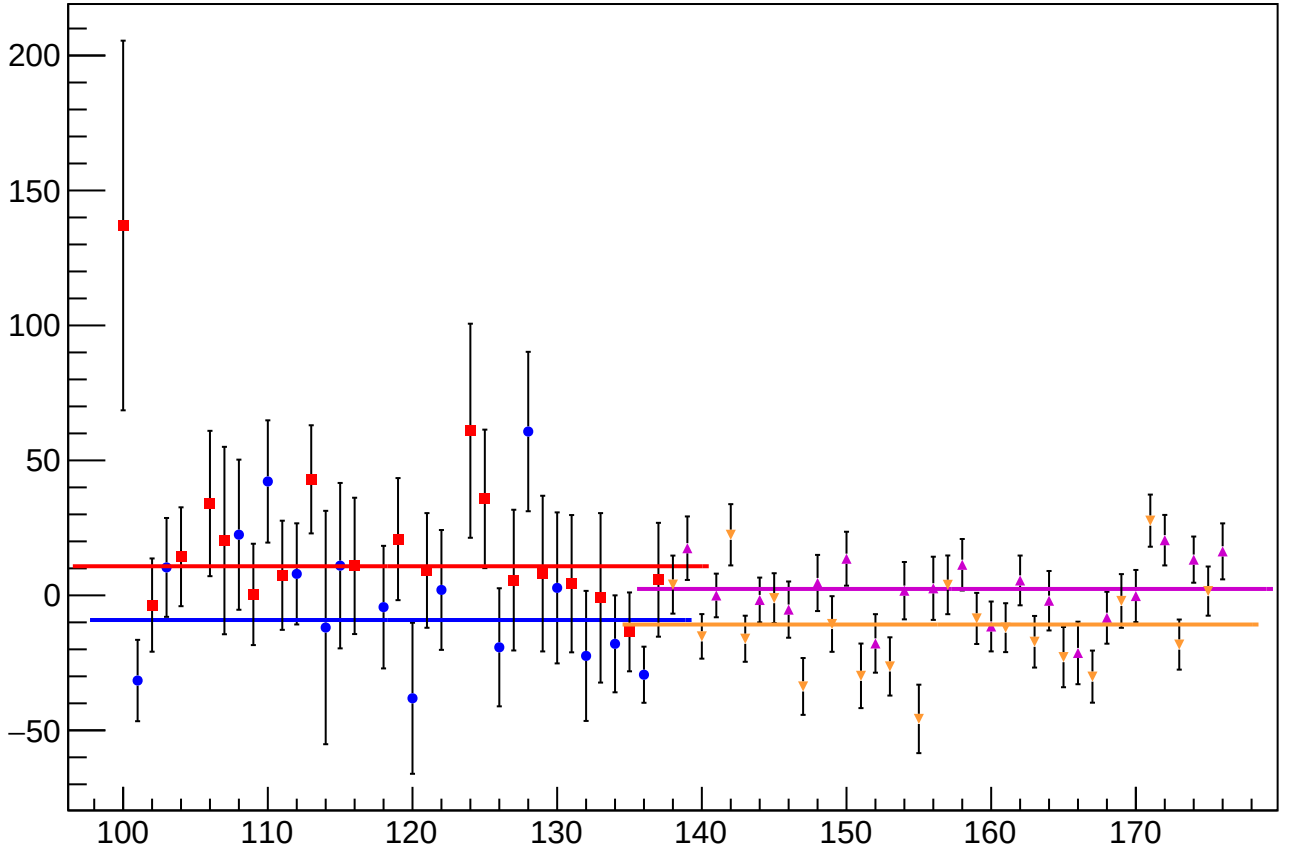
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 456.945+/-0.072 χ^2/NDF:4714976.7/34

Out: 459.613+/-0.072 χ^2/NDF:4767430.7/38

All: 458.284+/-0.051 χ^2/NDF: 9483095.8/73

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.800+/-2.221 χ^2/NDF:55.9/19

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 2.376+/-2.257 χ^2/NDF:23.4/18

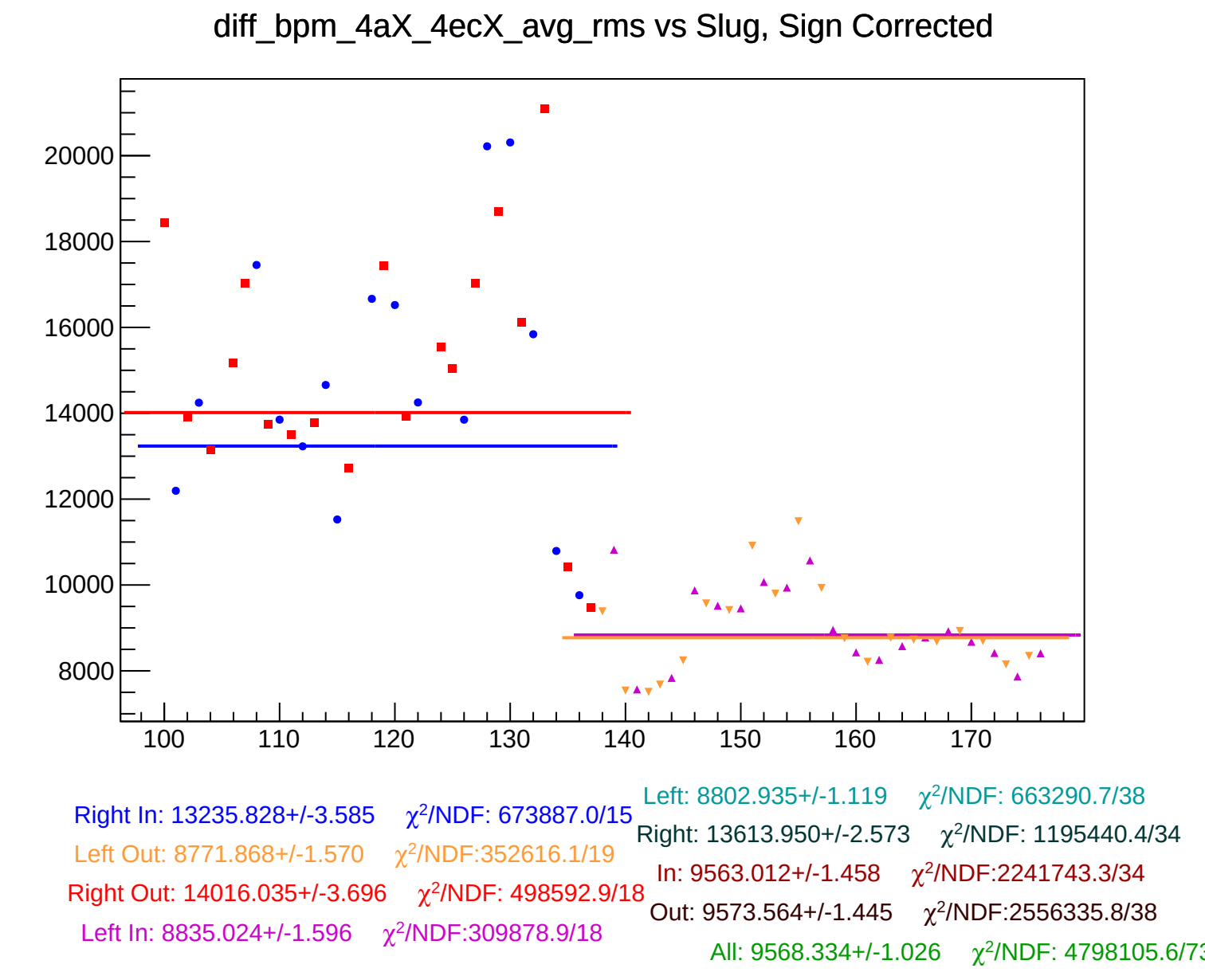
Left: -4.319+/-1.583 χ^2/NDF: 96.5/38

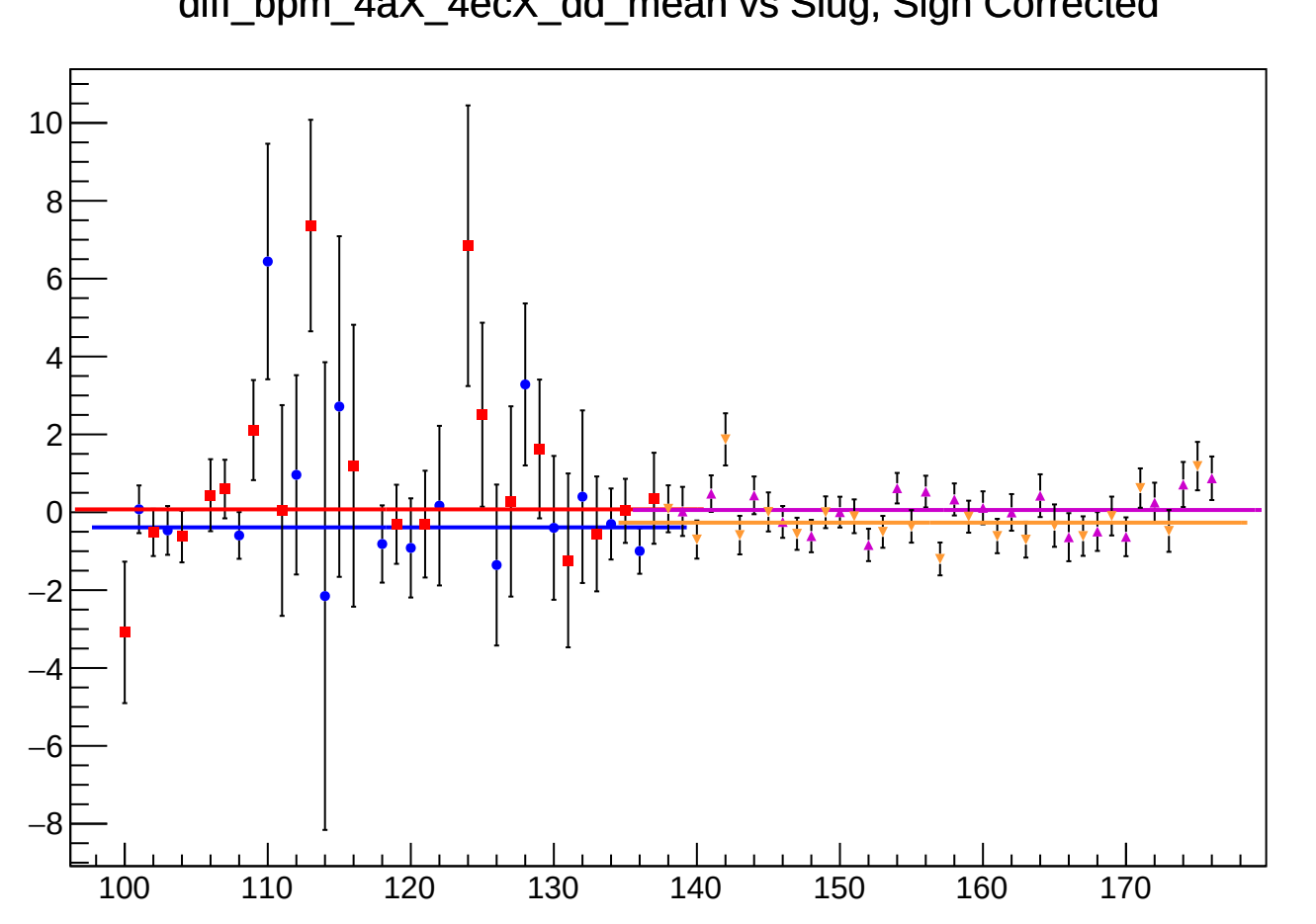
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: 0.473+/-2.062 χ^2/NDF:50.4/34

Out: -7.500+/-2.044 χ^2/NDF:84.0/38

All: -3.548+/-1.452 χ^2/NDF: 142.0/73


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: 8771.868+/-1.570 χ²/NDF:352616.1/19
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8835.024+/-1.596 χ²/NDF:309878.9/18
Left: 8802.935+/-1.119 χ²/NDF: 663290.7/38
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9563.012+/-1.458 χ²/NDF:2241743.3/34
Out: 9573.564+/-1.445 χ²/NDF:2556335.8/38
All: 9568.334+/-1.026 χ²/NDF: 4798105.6/73



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.267+/-0.106 χ^2/NDF:29.3/19

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.058+/-0.107 χ^2/NDF:21.5/18

Left: -0.105+/-0.075 χ^2/NDF: 55.5/38

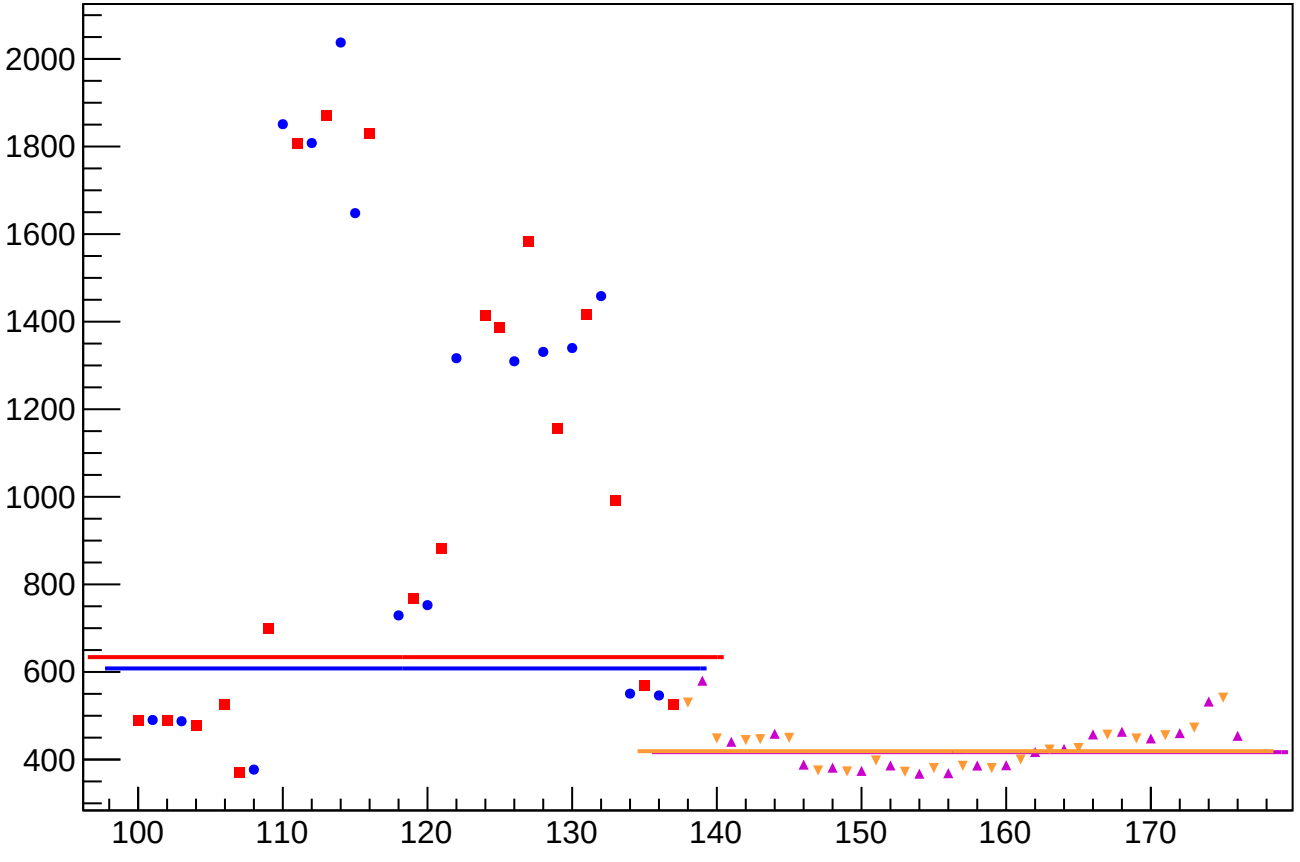
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.008+/-0.098 χ^2/NDF:35.8/34

Out: -0.219+/-0.099 χ^2/NDF:52.4/38

All: -0.113+/-0.070 χ^2/NDF: 90.5/73

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 419.088+/-0.075 χ^2/NDF:347673.9/19

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 416.824+/-0.075 χ^2/NDF:430025.2/18

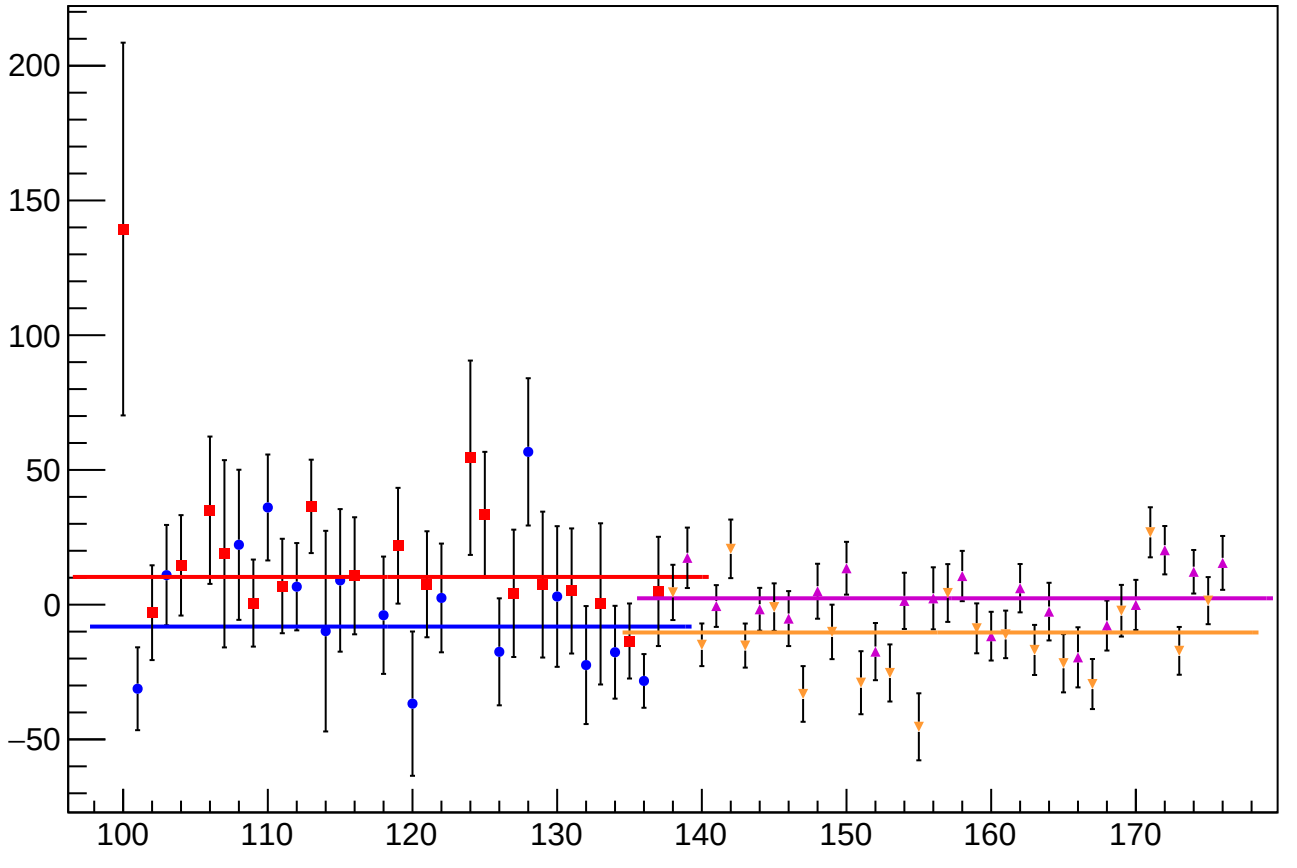
Left: 417.962+/-0.053 χ^2/NDF: 778151.3/38

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 445.191+/-0.070 χ^2/NDF:4235508.7/34

Out: 448.890+/-0.070 χ^2/NDF:4271894.0/38

All: 447.040+/-0.049 χ^2/NDF: 8508812.9/73



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -10.325+/-2.148 χ^2/NDF:56.3/19

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 2.363+/-2.185 χ^2/NDF:23.5/18

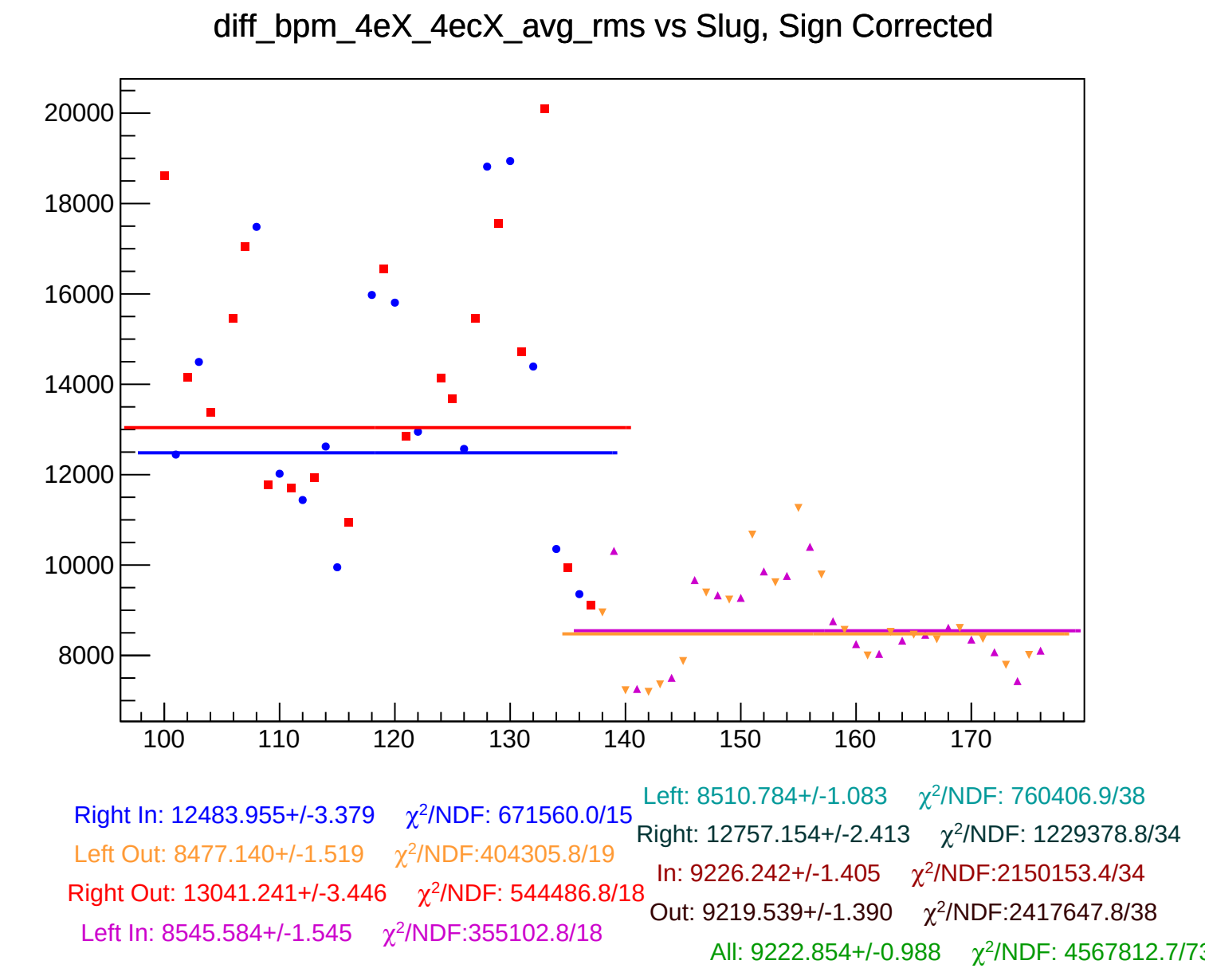
Left: -4.088+/-1.532 χ^2/NDF: 96.9/38

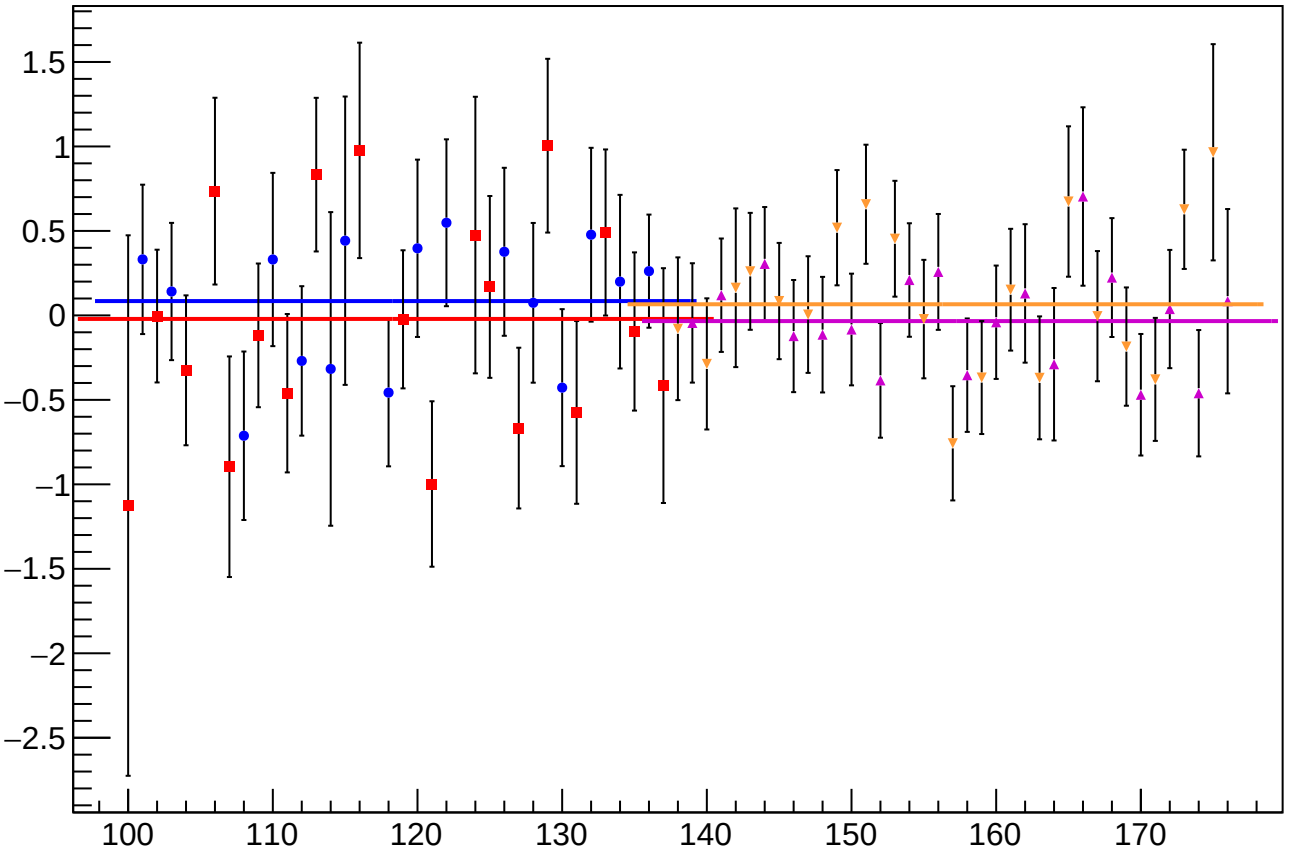
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.549+/-1.987 χ^2/NDF:50.6/34

Out: -6.972+/-1.965 χ^2/NDF:85.0/38

All: -3.252+/-1.397 χ^2/NDF: 142.8/73


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: 8477.140+/-1.519 χ²/NDF:404305.8/19
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8545.584+/-1.545 χ²/NDF:355102.8/18
Left: 8510.784+/-1.083 χ²/NDF: 760406.9/38
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9226.242+/-1.405 χ²/NDF:2150153.4/34
Out: 9219.539+/-1.390 χ²/NDF:2417647.8/38
All: 9222.854+/-0.988 χ²/NDF: 4567812.7/73



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.066+/-0.083 χ^2/NDF:24.8/19

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.034+/-0.083 χ^2/NDF:10.4/18

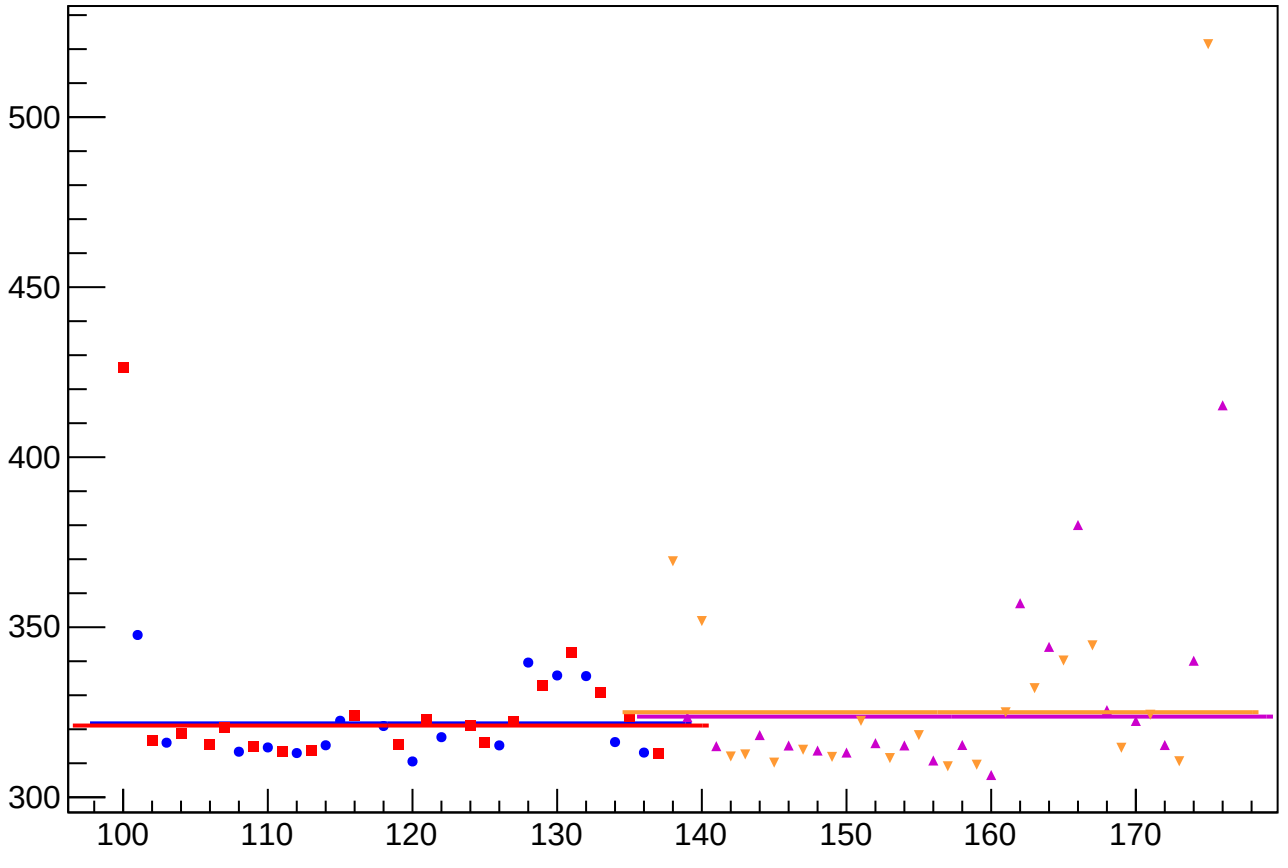
Left: 0.016+/-0.059 χ^2/NDF: 35.9/38

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.005+/-0.068 χ^2/NDF:20.4/34

Out: 0.037+/-0.068 χ^2/NDF:49.5/38

All: 0.021+/-0.048 χ^2/NDF: 70.0/73



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.014+/-0.058 χ^2/NDF:258927.1/19

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 323.720+/-0.059 χ^2/NDF:120086.5/18

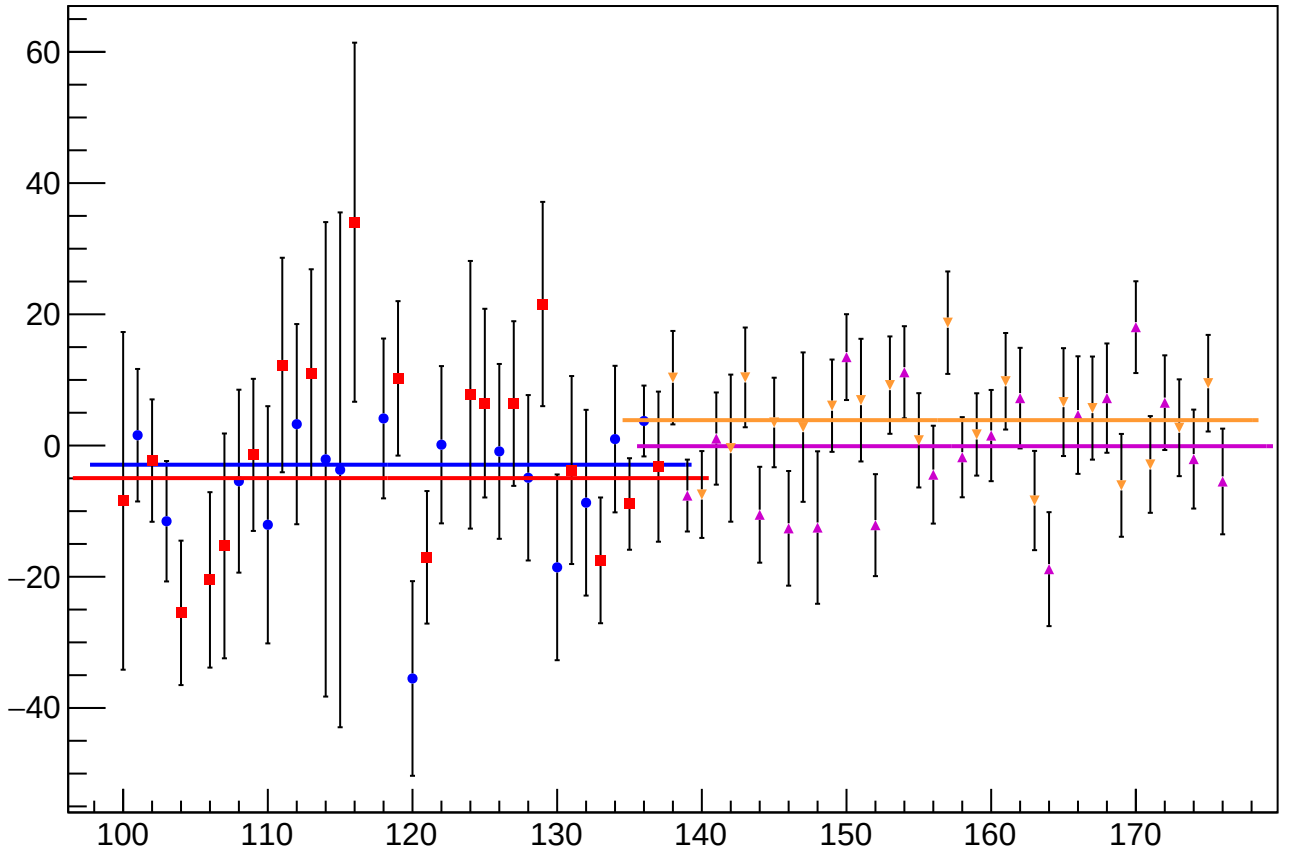
Left: 324.369+/-0.041 χ^2/NDF: 379257.6/38

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 323.076+/-0.048 χ^2/NDF:138673.5/34

Out: 323.714+/-0.048 χ^2/NDF:276995.8/38

All: 323.398+/-0.034 χ^2/NDF: 415757.5/73



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.868+/-1.699 χ^2/NDF:15.8/19

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.099+/-1.695 χ^2/NDF:31.6/18

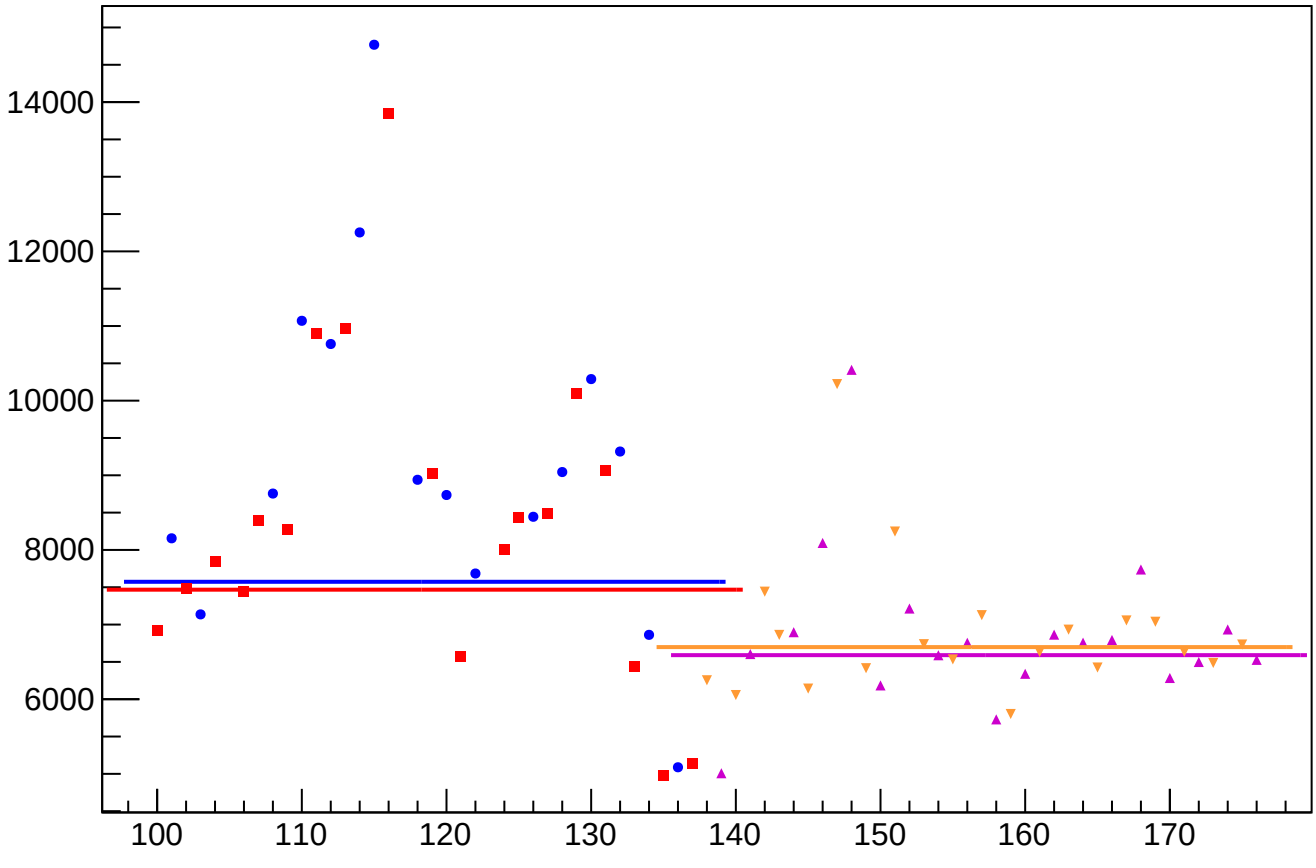
Left: 1.879+/-1.200 χ^2/NDF: 50.1/38

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.814+/-1.464 χ^2/NDF:42.1/34

Out: 1.521+/-1.456 χ^2/NDF:42.4/38

All: 0.360+/-1.032 χ^2/NDF: 85.8/73



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6698.232+/-1.201 χ^2/NDF:361167.3/19

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6590.351+/-1.198 χ^2/NDF:560520.6/18

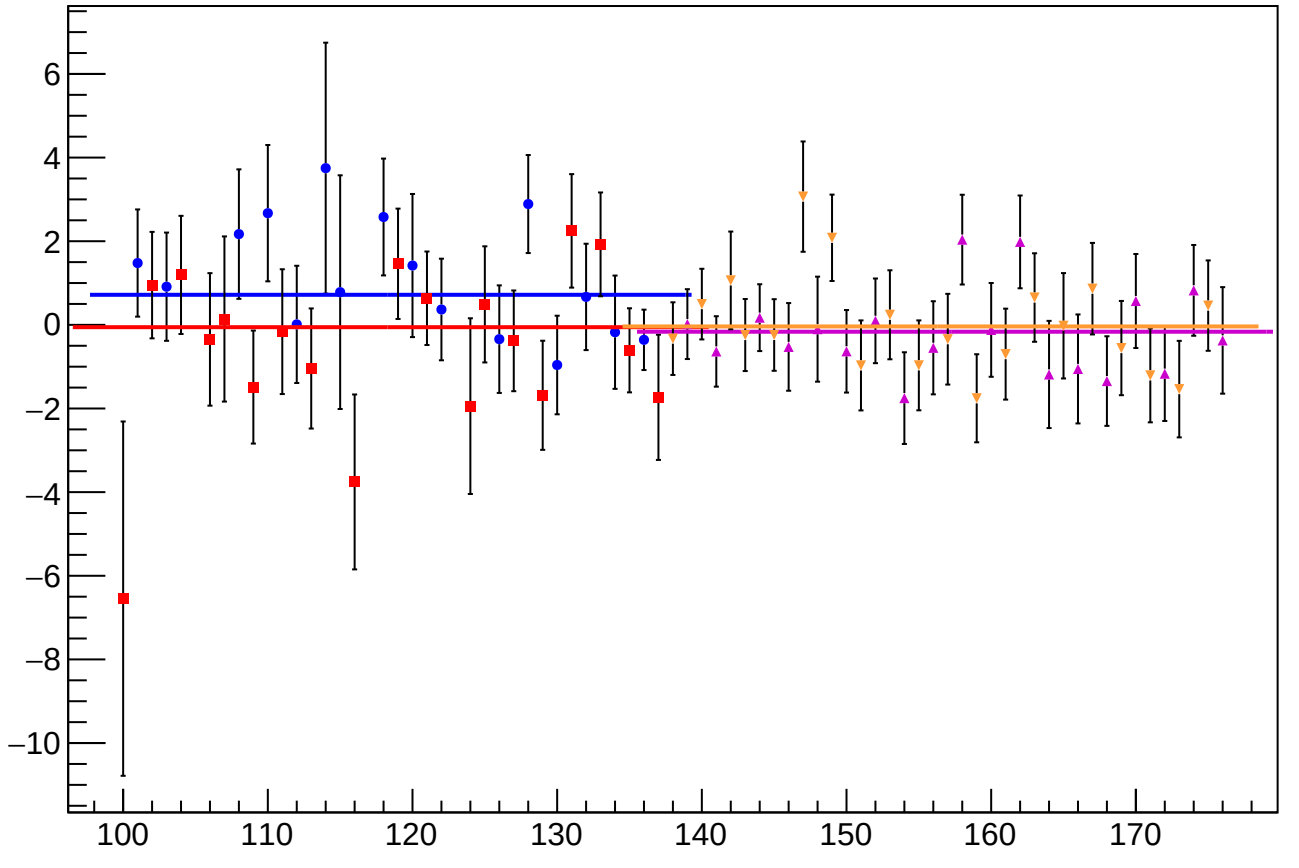
Left: 6644.150+/-0.848 χ^2/NDF: 925730.2/38

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6839.188+/-1.035 χ^2/NDF:1628442.8/34

Out: 6902.675+/-1.029 χ^2/NDF:1298481.3/38

All: 6871.117+/-0.730 χ^2/NDF: 2928814.7/73



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.038+/-0.233 χ^2/NDF:20.3/19

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.164+/-0.241 χ^2/NDF:15.5/18

Left: -0.099+/-0.168 χ^2/NDF: 35.9/38

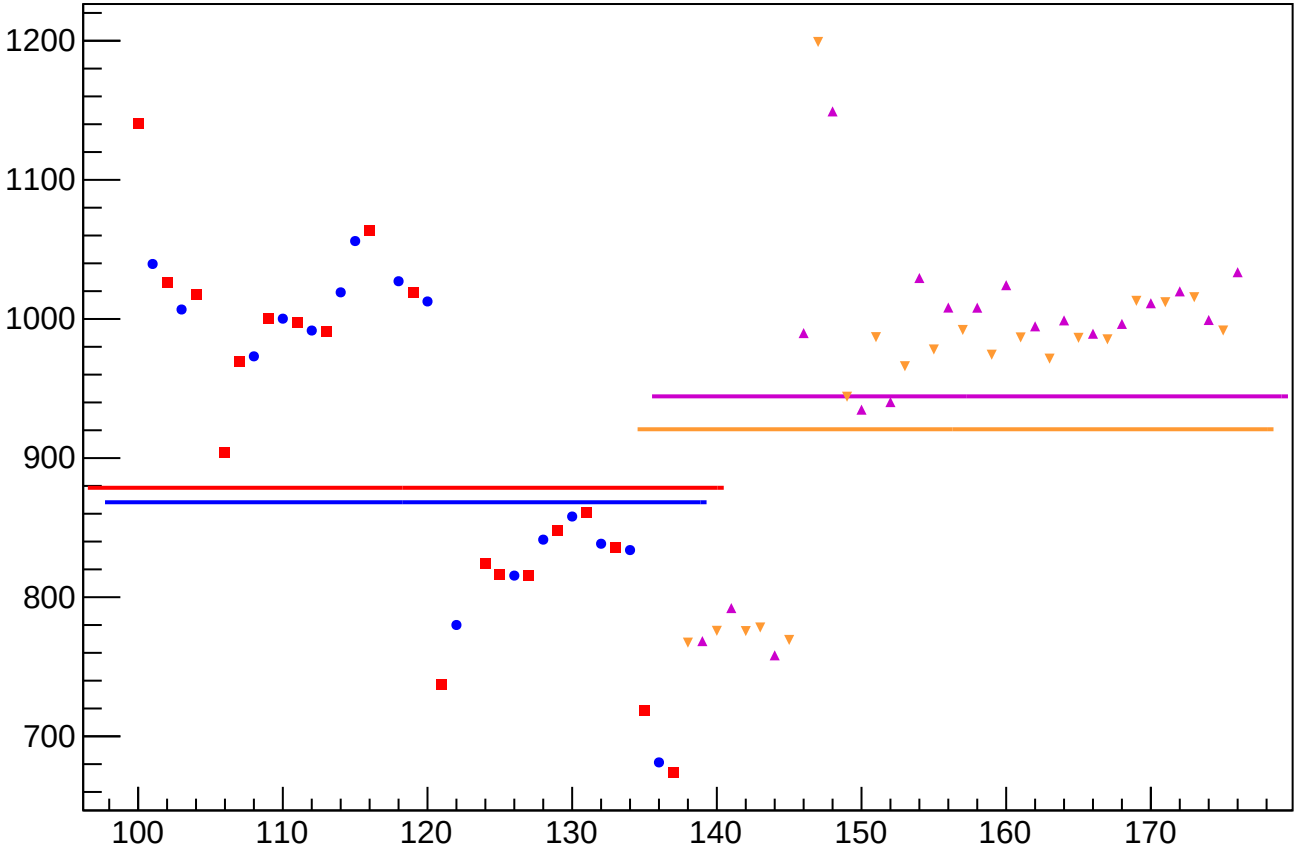
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.148+/-0.194 χ^2/NDF:35.0/34

Out: -0.044+/-0.189 χ^2/NDF:40.1/38

All: 0.050+/-0.135 χ^2/NDF: 75.6/73

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 920.721+/-0.165 χ^2/NDF:463464.3/19

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 944.377+/-0.171 χ^2/NDF:401492.0/18

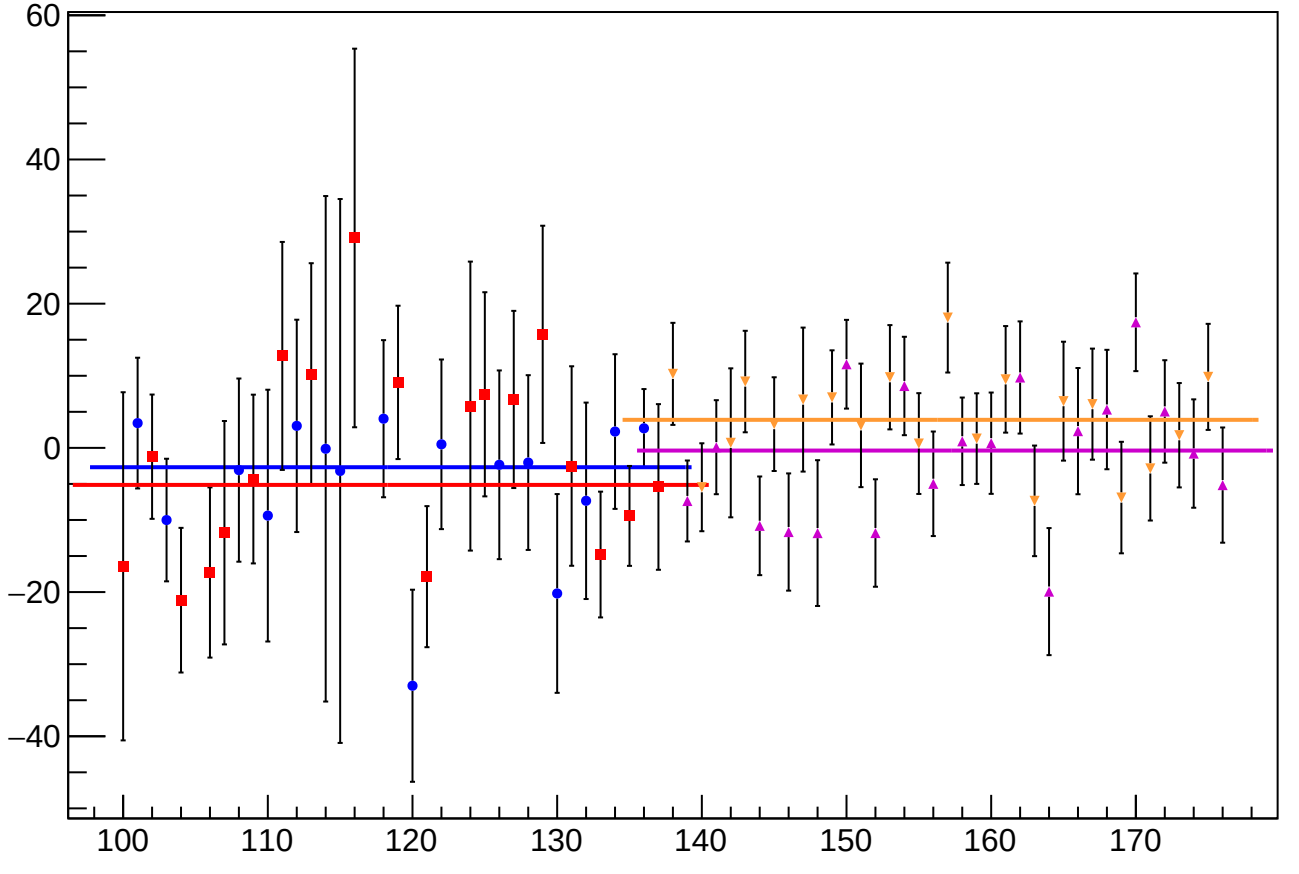
Left: 932.131+/-0.118 χ^2/NDF: 874909.9/38

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 917.429+/-0.137 χ^2/NDF:774384.6/34

Out: 906.355+/-0.134 χ^2/NDF:758279.4/38

All: 911.749+/-0.096 χ^2/NDF: 1536009.2/73



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.890+/-1.645 χ^2/NDF:15.1/19

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.372+/-1.653 χ^2/NDF:30.5/18

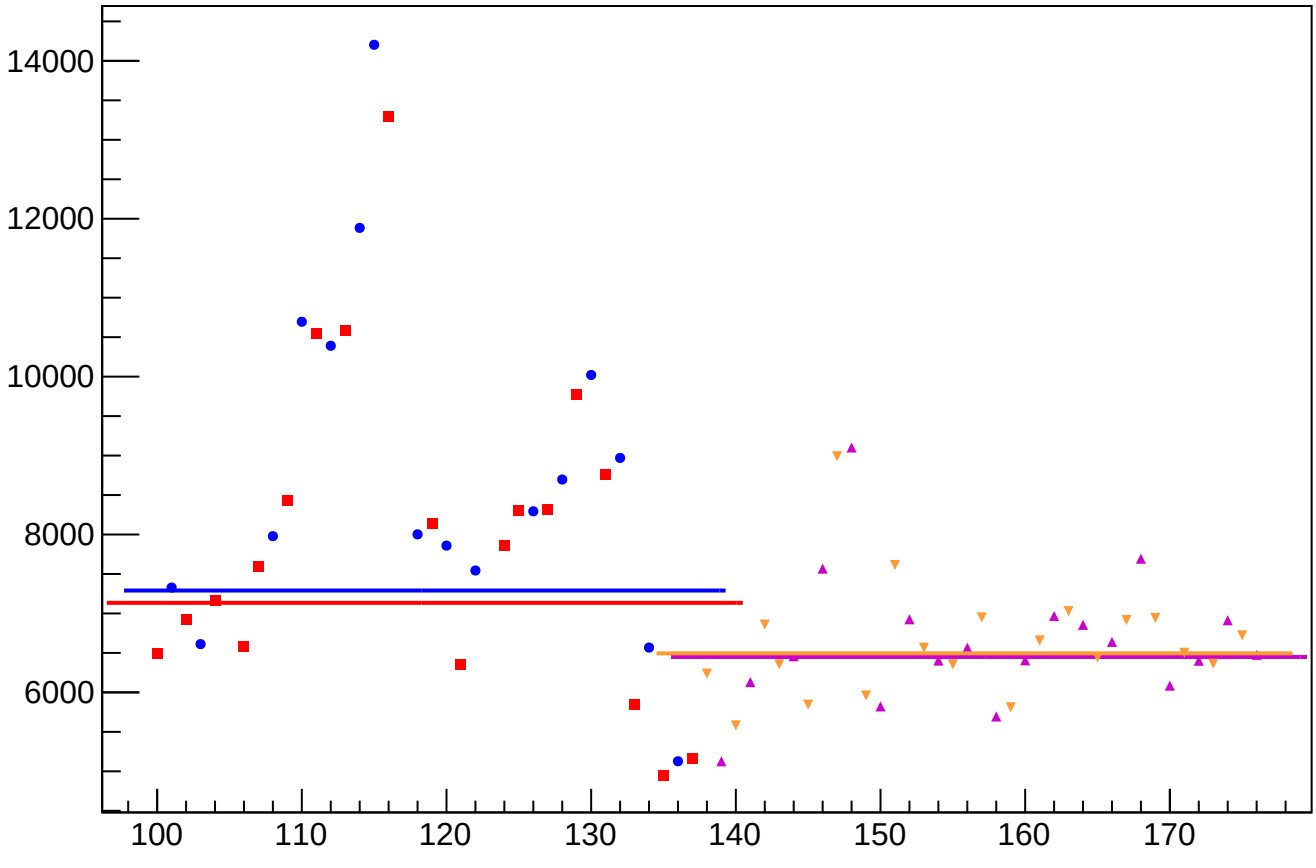
Left: 1.770+/-1.166 χ^2/NDF: 48.9/38

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.973+/-1.422 χ^2/NDF:41.0/34

Out: 1.436+/-1.404 χ^2/NDF:40.6/38

All: 0.247+/-0.999 χ^2/NDF: 83.1/73



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6494.874+/-1.163 χ^2/NDF:301193.3/19

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6448.610+/-1.169 χ^2/NDF:424595.7/18

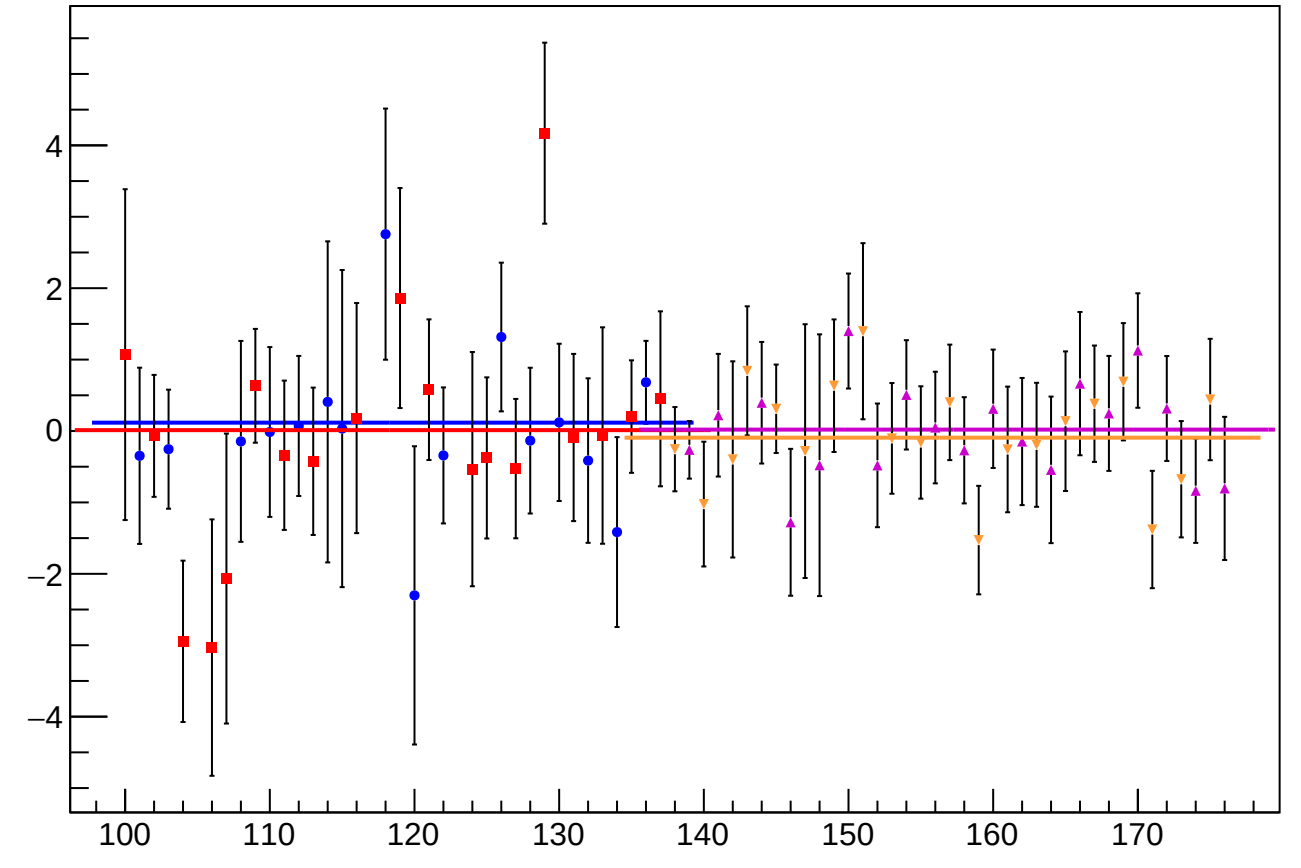
Left: 6471.861+/-0.825 χ^2/NDF: 726576.0/38

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6667.559+/-1.006 χ^2/NDF:1329942.2/34

Out: 6668.735+/-0.992 χ^2/NDF:1176178.4/38

All: 6668.155+/-0.706 χ^2/NDF: 2506121.3/73



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.093+/-0.188 χ^2/NDF:13.5/19

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.020+/-0.181 χ^2/NDF:11.3/18

Left: -0.035+/-0.130 χ^2/NDF: 25.0/38

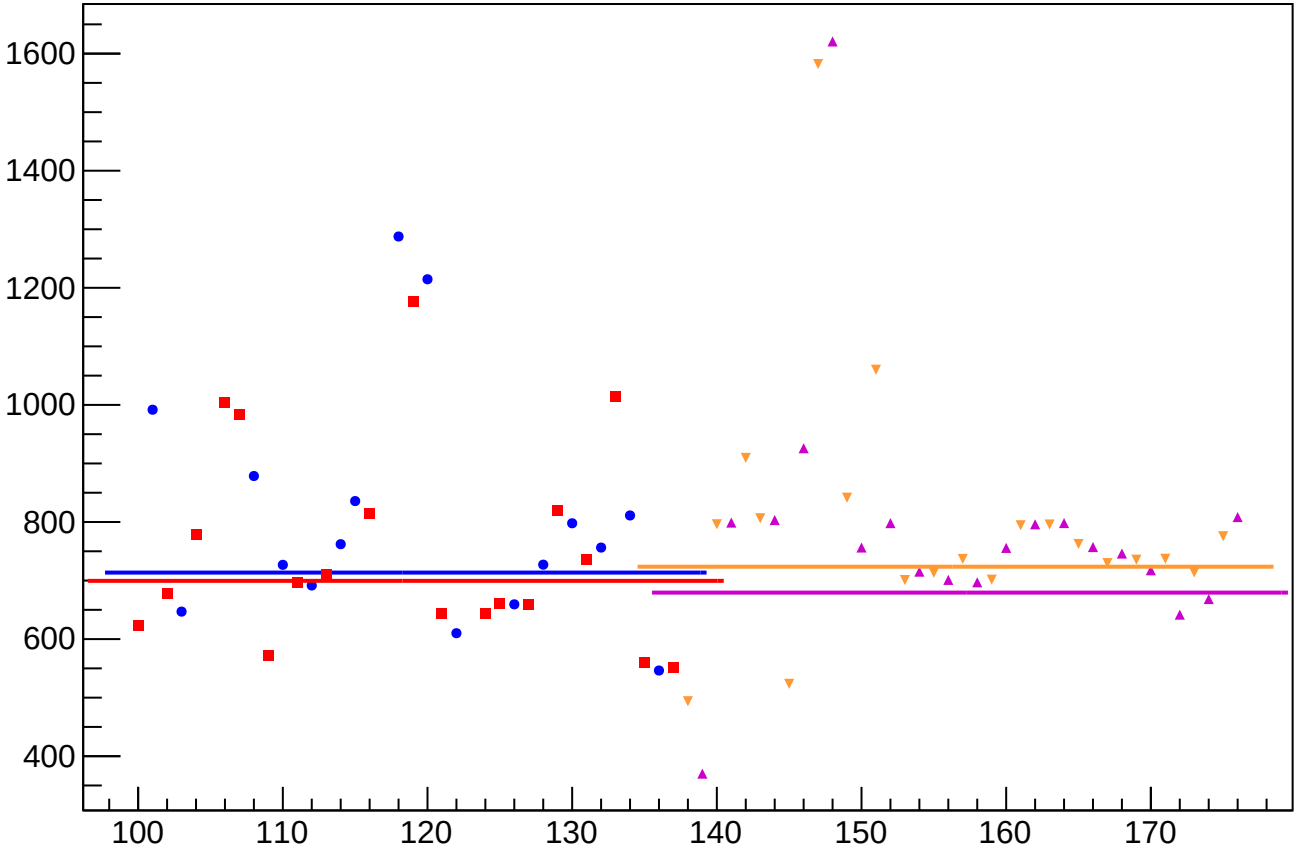
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.049+/-0.151 χ^2/NDF:19.5/34

Out: -0.058+/-0.153 χ^2/NDF:38.8/38

All: -0.003+/-0.107 χ^2/NDF: 58.5/73

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 723.678+/-0.133 χ^2/NDF:1270566.7/19

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 679.424+/-0.128 χ^2/NDF:2109947.5/18

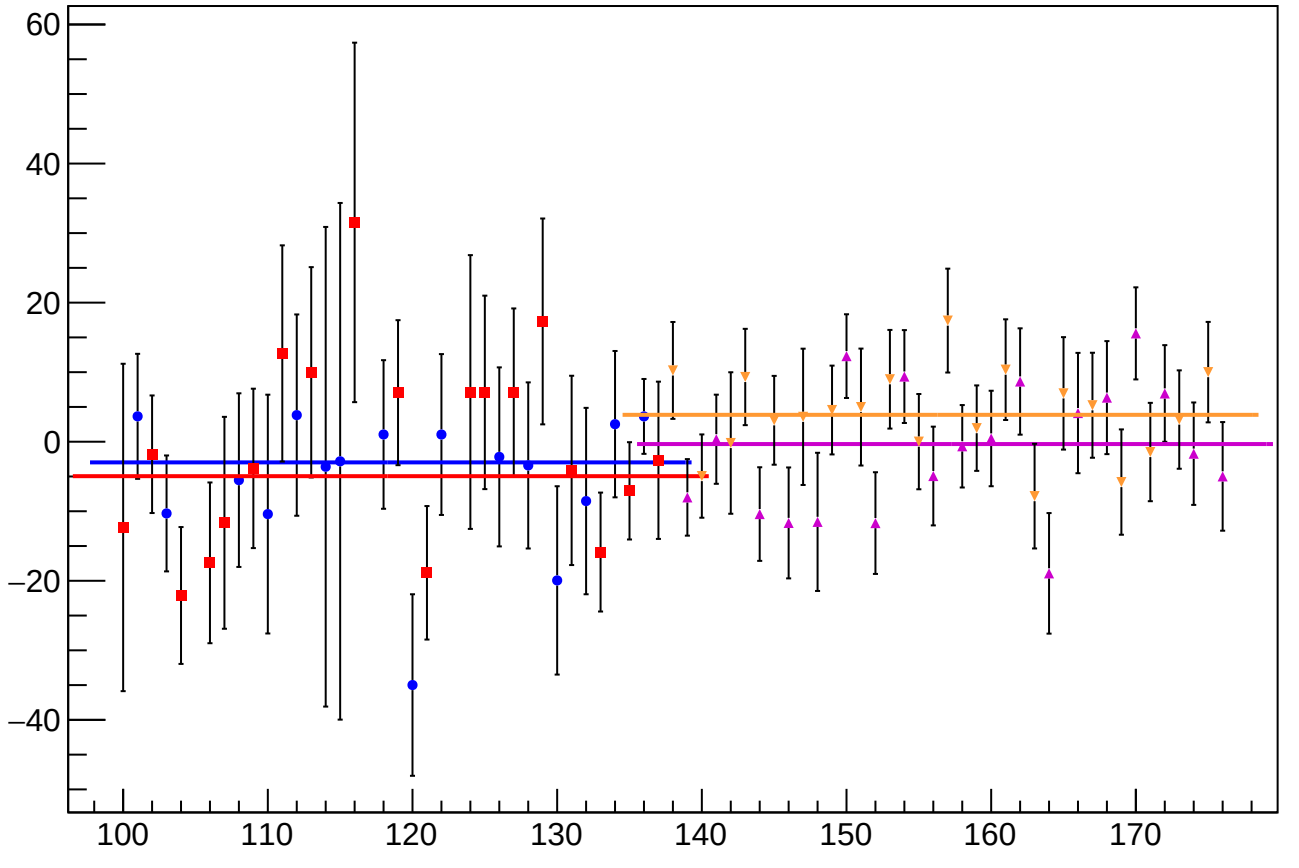
Left: 700.653+/-0.092 χ^2/NDF: 3438087.4/38

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 689.832+/-0.107 χ^2/NDF:2831066.5/34

Out: 715.503+/-0.108 χ^2/NDF:1857494.2/38

All: 702.467+/-0.076 χ^2/NDF: 4717130.7/73



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.866+/-1.613 χ^2/NDF:14.4/19

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -0.337+/-1.621 χ^2/NDF:31.0/18

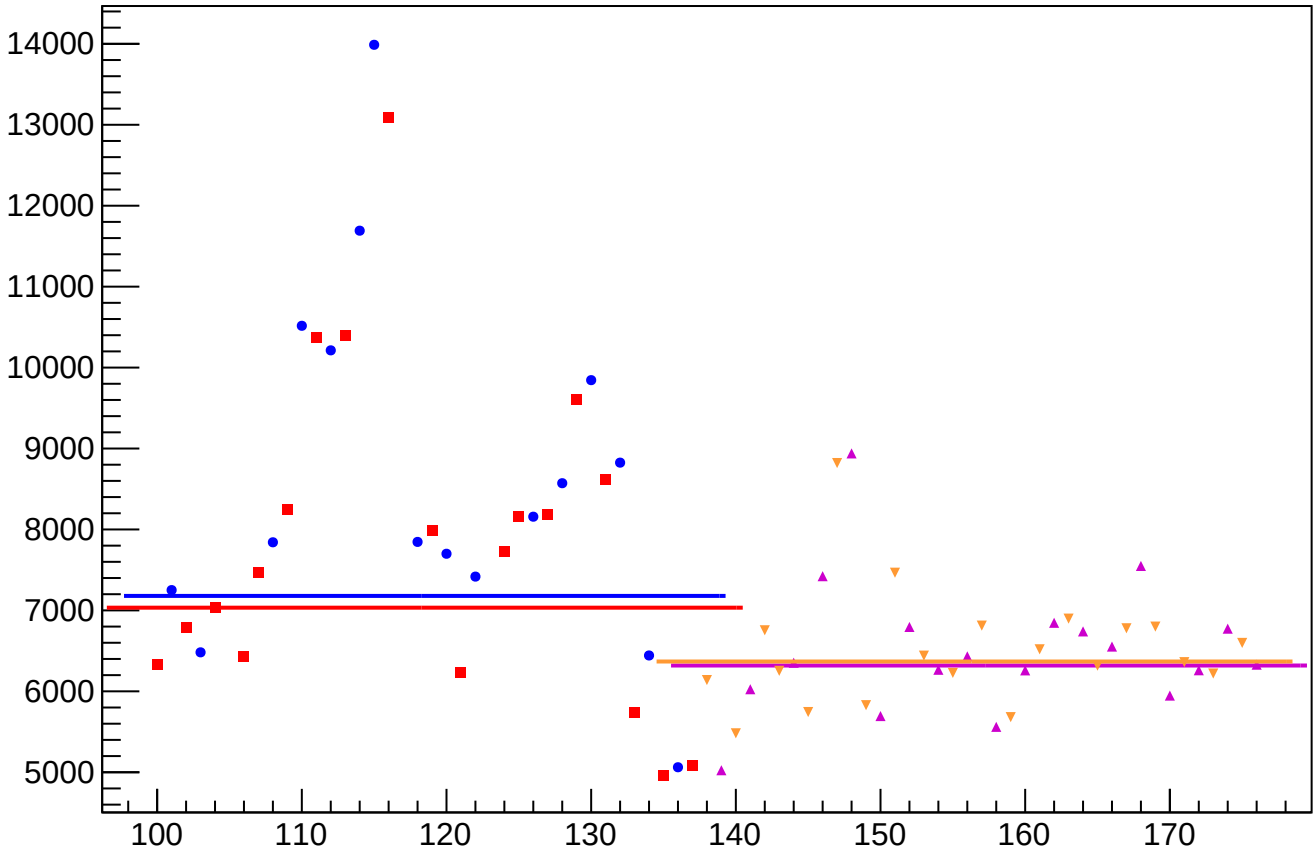
Left: 1.774+/-1.143 χ^2/NDF: 48.8/38

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -1.018+/-1.396 χ^2/NDF:43.3/34

Out: 1.486+/-1.378 χ^2/NDF:40.9/38

All: 0.249+/-0.981 χ^2/NDF: 85.9/73



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6368.422+/-1.141 χ^2/NDF:301427.3/19

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6318.958+/-1.146 χ^2/NDF:431338.3/18

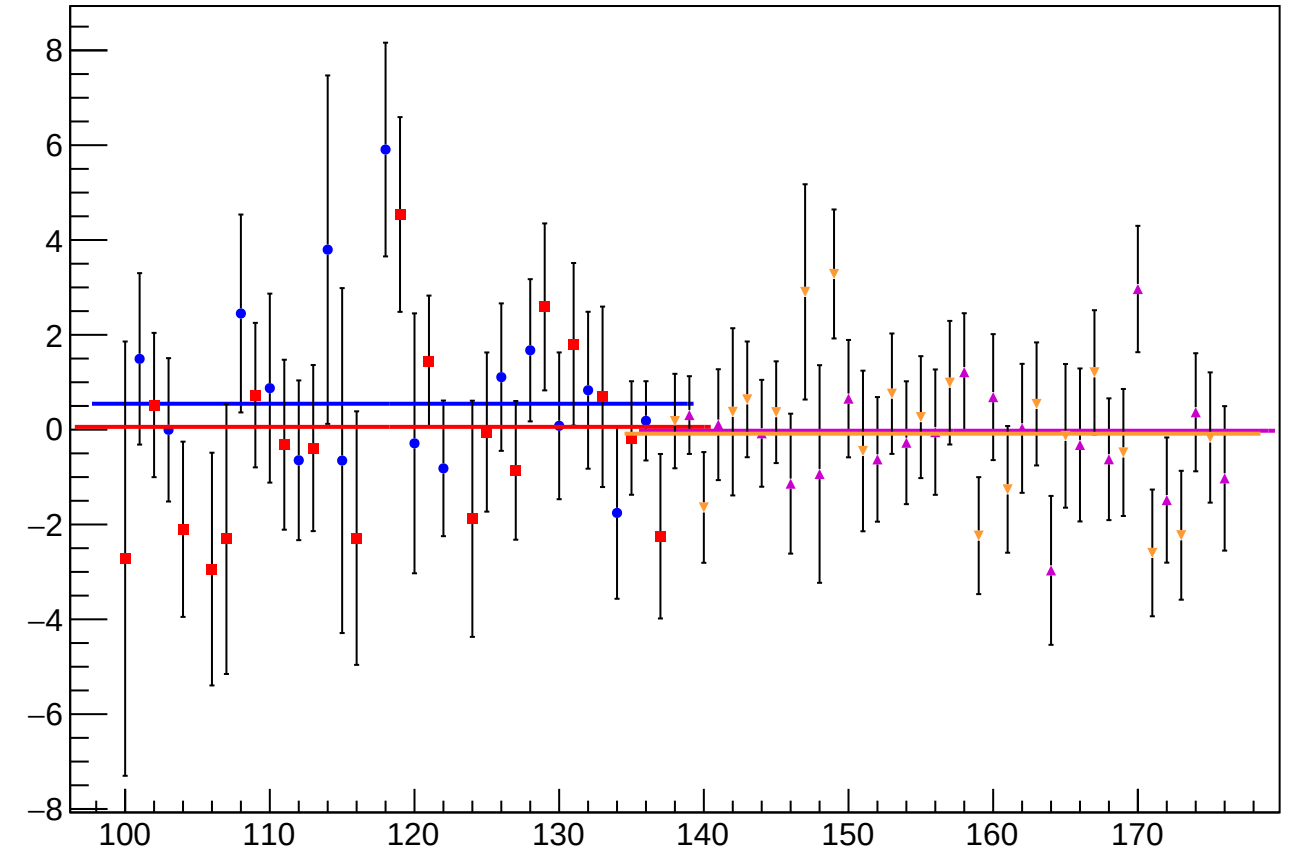
Left: 6343.805+/-0.808 χ^2/NDF: 733701.5/38

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6541.098+/-0.987 χ^2/NDF:1338752.7/34

Out: 6547.917+/-0.975 χ^2/NDF:1159583.6/38

All: 6544.550+/-0.693 χ^2/NDF: 2498360.4/73



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.085+/-0.295 χ^2/NDF:22.7/19

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.023+/-0.296 χ^2/NDF:13.3/18

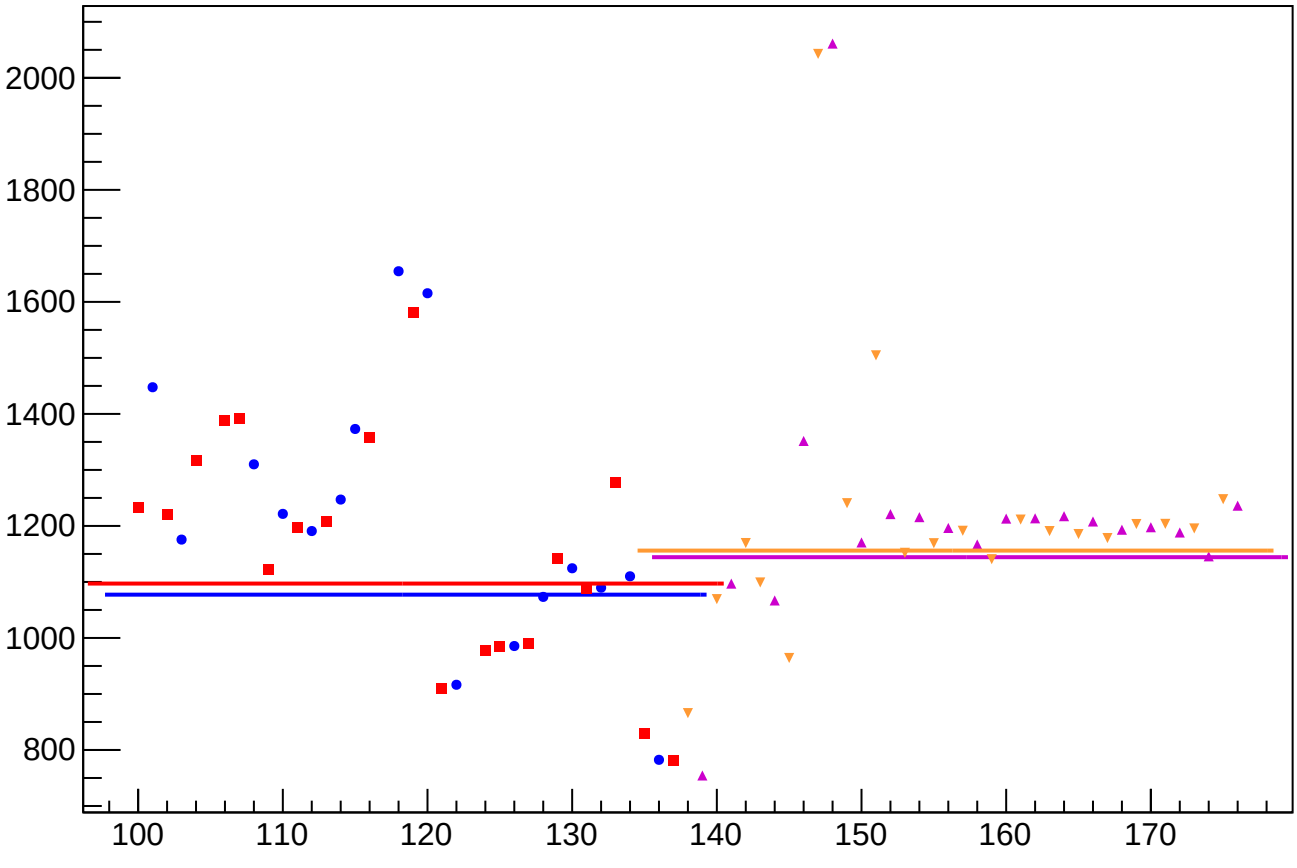
Left: -0.054+/-0.209 χ^2/NDF: 36.0/38

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.172+/-0.240 χ^2/NDF:26.5/34

Out: -0.036+/-0.239 χ^2/NDF:39.6/38

All: 0.068+/-0.169 χ^2/NDF: 66.5/73



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1155.981+/-0.208 χ^2/NDF:670542.9/19

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1144.208+/-0.209 χ^2/NDF:874564.0/18

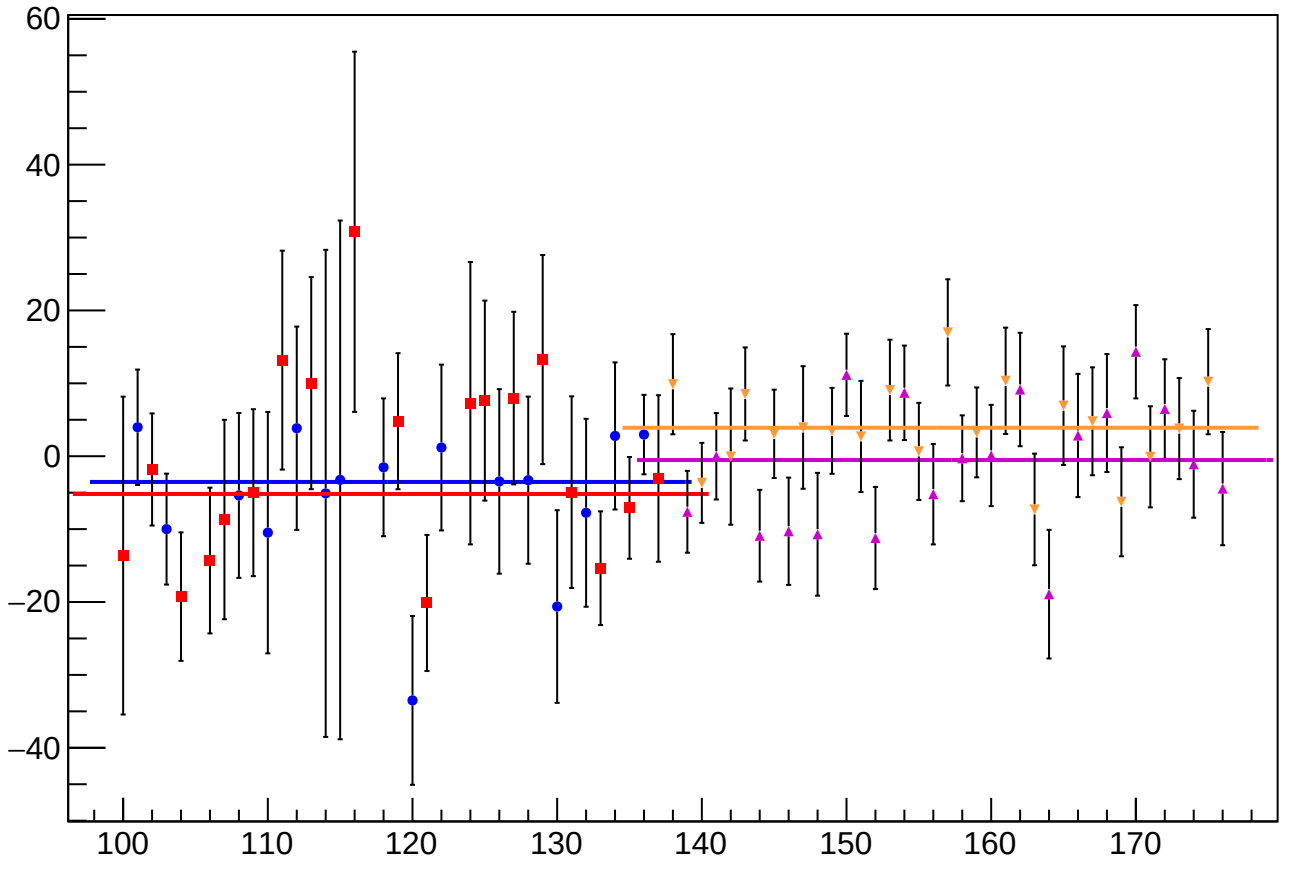
Left: 1150.120+/-0.148 χ^2/NDF: 1546696.4/38

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1121.356+/-0.170 χ^2/NDF:1555999.2/34

Out: 1135.856+/-0.169 χ^2/NDF:1182208.0/38

All: 1128.639+/-0.120 χ^2/NDF: 2741869.9/73



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.907+/-1.554 χ^2/NDF:13.5/19

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.522+/-1.574 χ^2/NDF:30.1/18

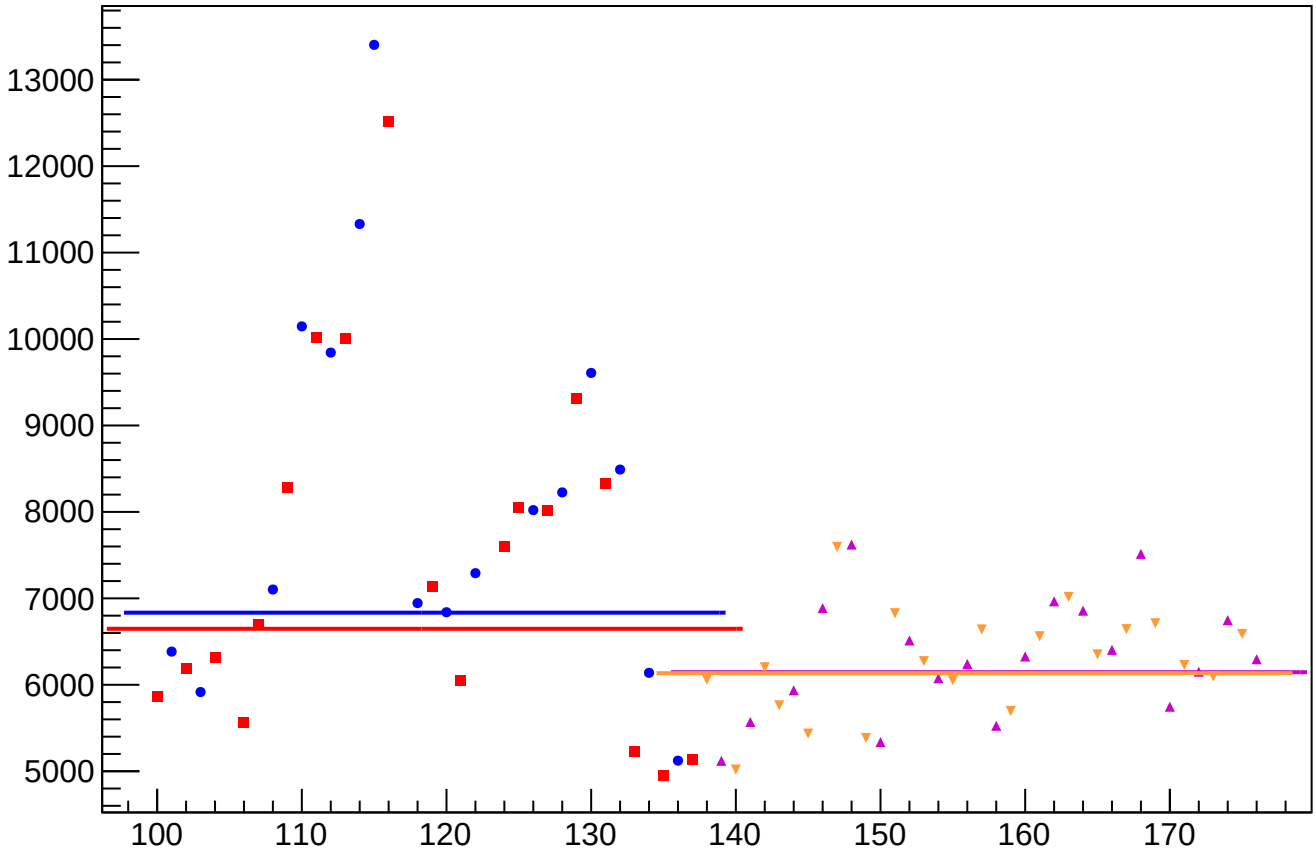
Left: 1.721+/-1.106 χ^2/NDF: 47.5/38

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.324+/-1.347 χ^2/NDF:43.7/34

Out: 1.388+/-1.321 χ^2/NDF:41.1/38

All: 0.059+/-0.943 χ^2/NDF: 86.8/73



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6134.153+/-1.099 χ^2/NDF:310818.4/19

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6145.716+/-1.113 χ^2/NDF:356573.7/18

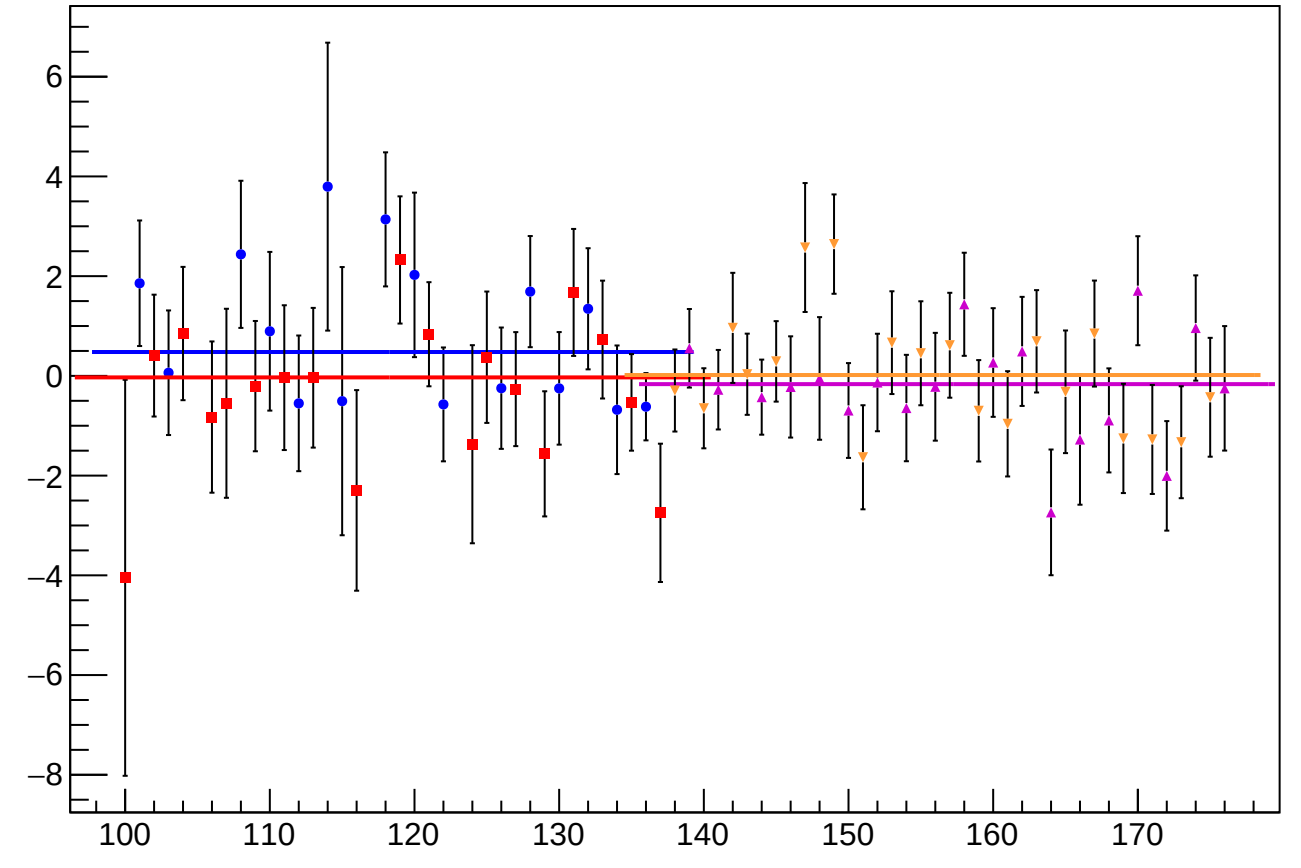
Left: 6139.861+/-0.782 χ^2/NDF: 667446.8/38

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6329.485+/-0.953 χ^2/NDF:1151513.1/34

Out: 6276.664+/-0.934 χ^2/NDF:1156592.3/38

All: 6302.549+/-0.667 χ^2/NDF: 2309672.9/73



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.017+/-0.225 χ^2/NDF:22.7/19

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.165+/-0.233 χ^2/NDF:16.7/18

Left: -0.071+/-0.162 χ^2/NDF: 39.7/38

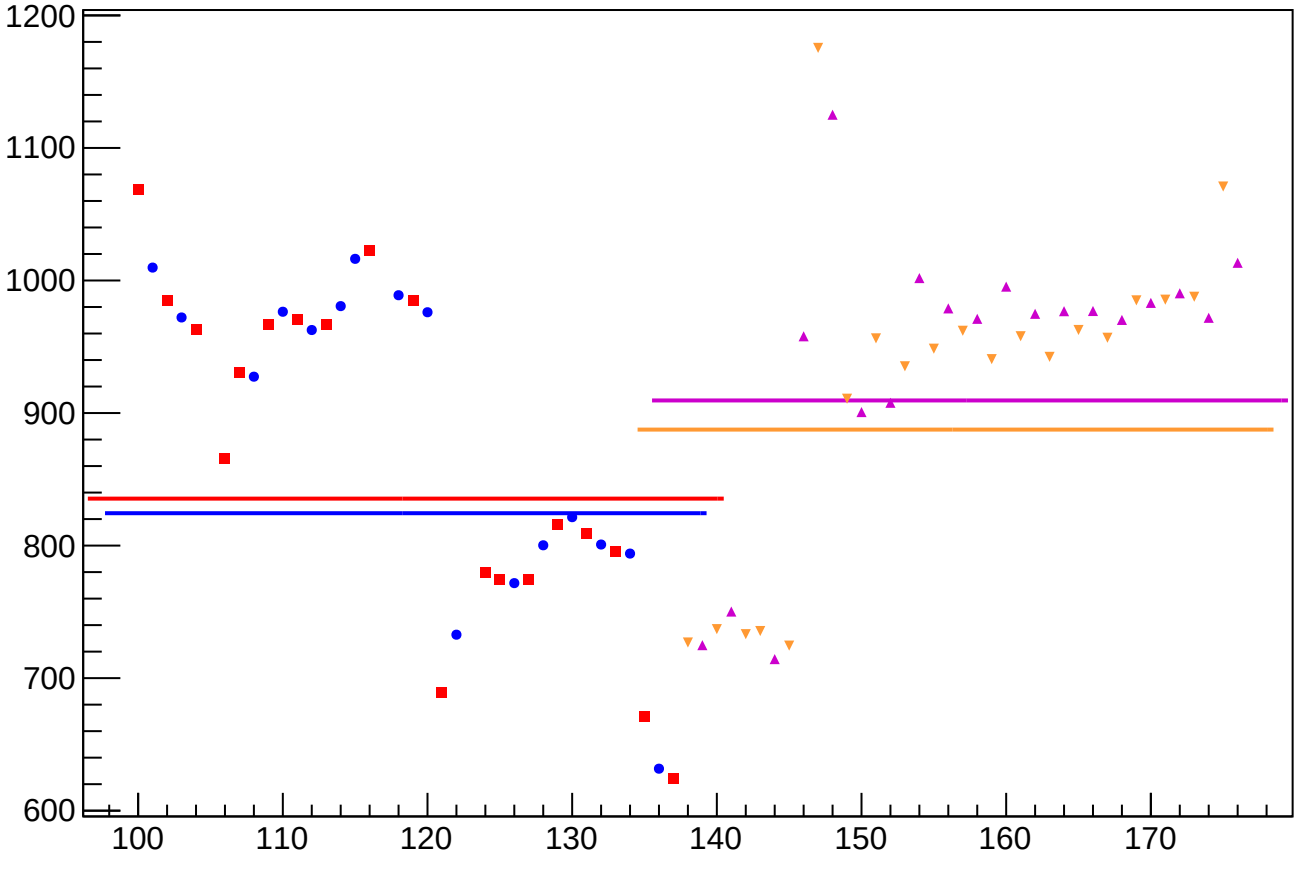
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.066+/-0.186 χ^2/NDF:36.1/34

Out: 0.001+/-0.182 χ^2/NDF:38.5/38

All: 0.033+/-0.130 χ^2/NDF: 74.7/73

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 887.514+/-0.159 χ^2/NDF:598345.7/19

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 909.501+/-0.165 χ^2/NDF:498613.6/18

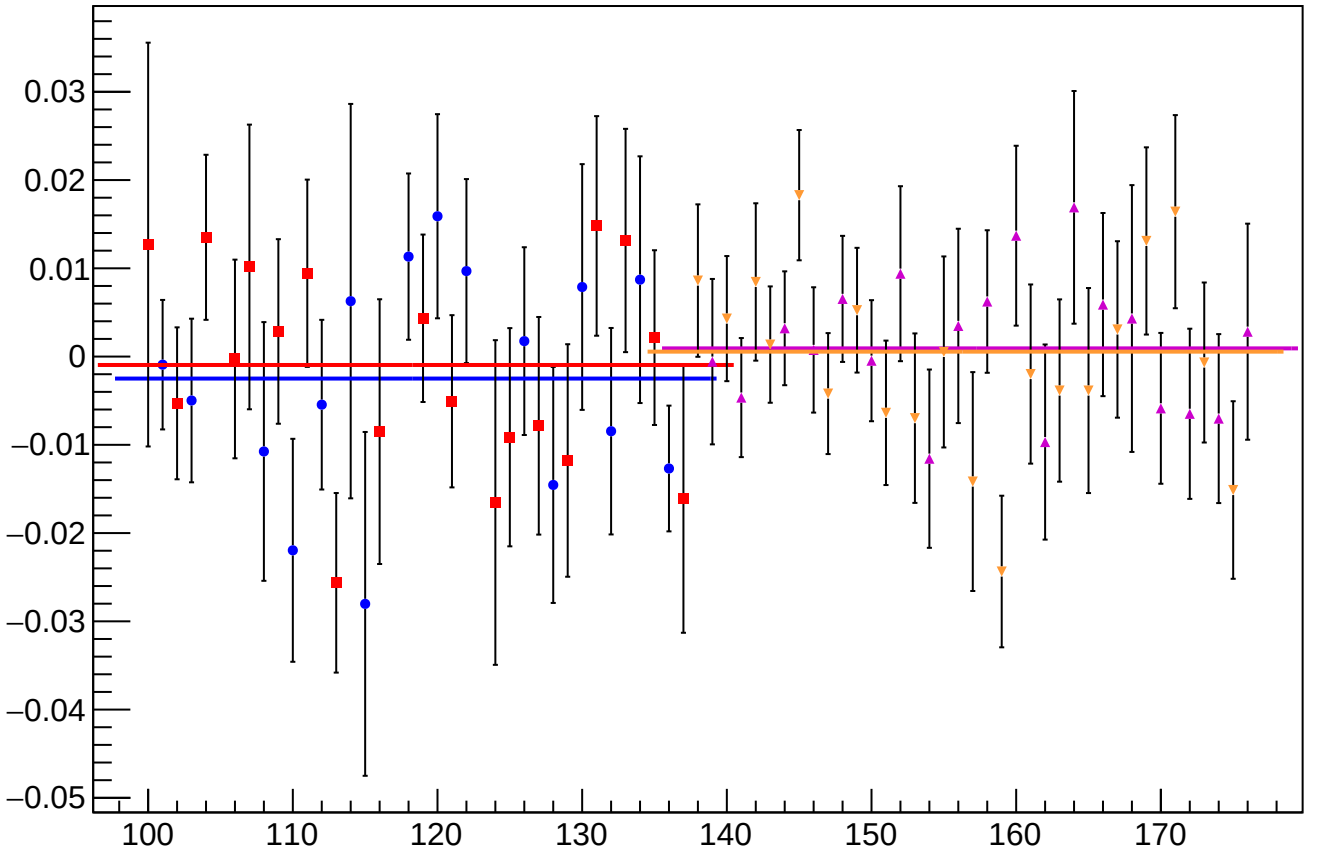
Left: 898.135+/-0.115 χ^2/NDF: 1106164.8/38

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 878.889+/-0.132 χ^2/NDF:959999.6/34

Out: 869.408+/-0.129 χ^2/NDF:954814.2/38

All: 874.033+/-0.092 χ^2/NDF: 1917463.5/73



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.2/19

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:10.4/18

Left: 0.001+/-0.001 χ^2/NDF: 36.6/38

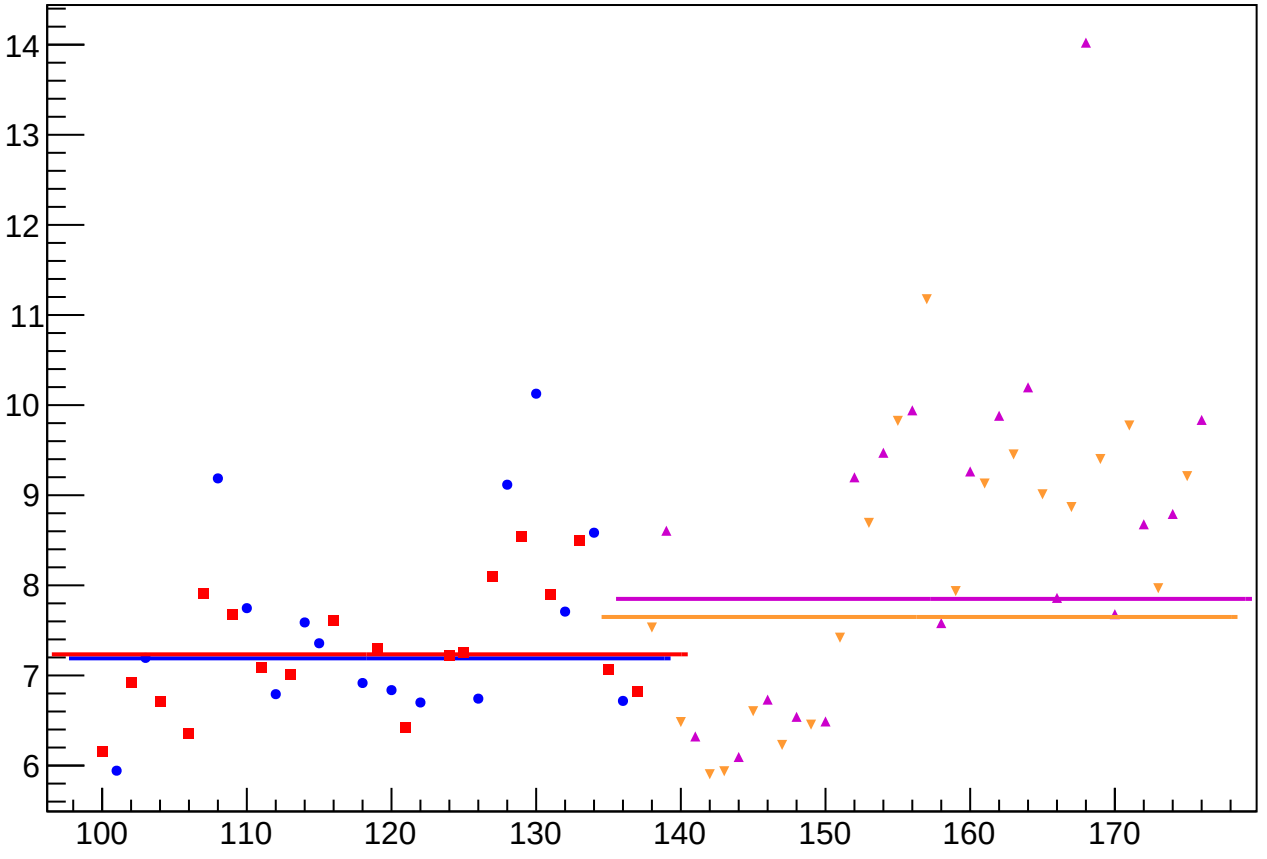
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.7/34

Out: 0.000+/-0.002 χ^2/NDF:43.7/38

All: -0.000+/-0.001 χ^2/NDF: 70.4/73

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.649+/-0.001 χ^2/NDF:1060948.6/19

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.850+/-0.001 χ^2/NDF:1212326.2/18

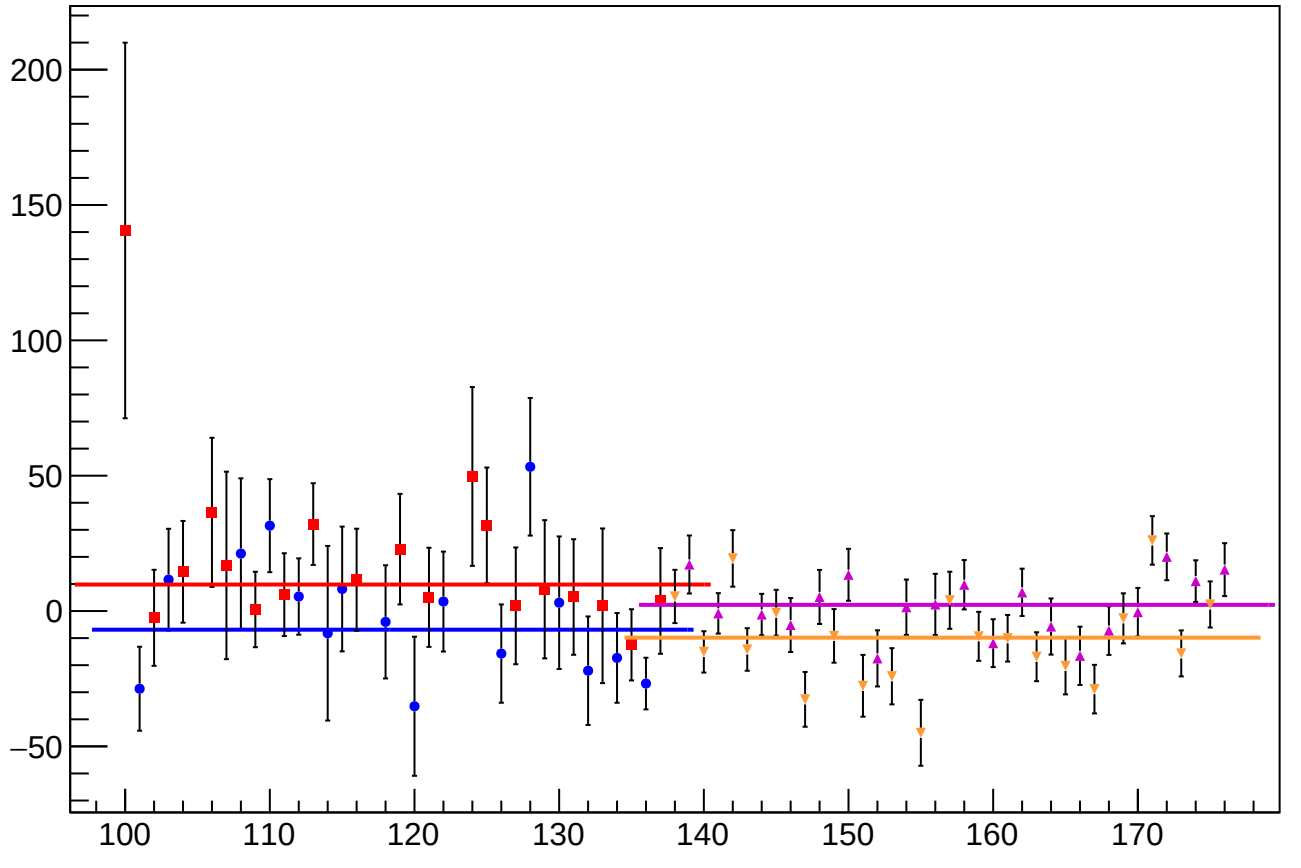
Left: 7.746+/-0.001 χ^2/NDF: 2283314.3/38

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.611+/-0.001 χ^2/NDF:1565750.9/34

Out: 7.502+/-0.001 χ^2/NDF:1198653.7/38

All: 7.555+/-0.001 χ^2/NDF: 2768996.6/73



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.834+/-2.083 χ^2/NDF:56.9/19

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 2.280+/-2.118 χ^2/NDF:23.6/18

Left: -3.879+/-1.485 χ^2/NDF: 97.2/38

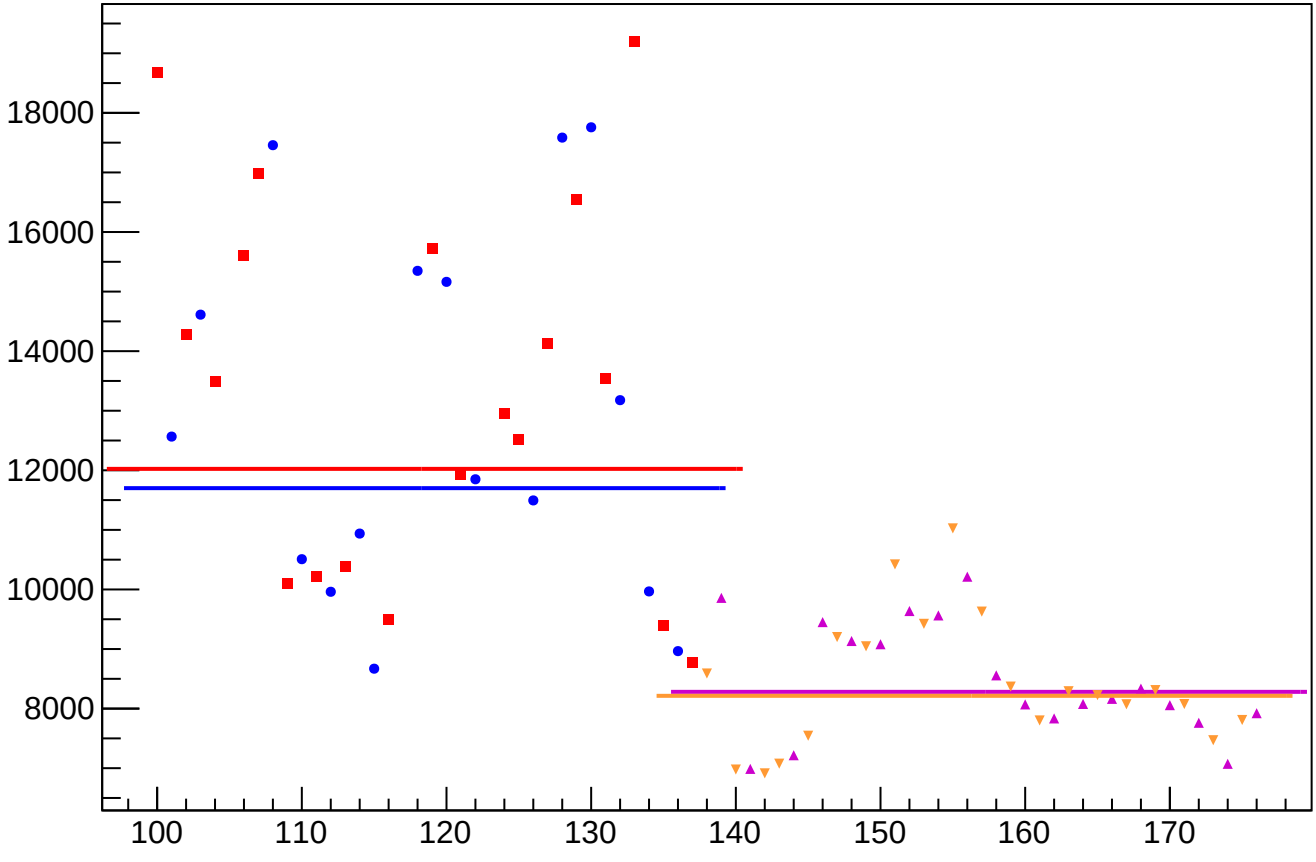
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.609+/-1.916 χ^2/NDF:50.1/34

Out: -6.394+/-1.891 χ^2/NDF:86.5/38

All: -2.936+/-1.346 χ^2/NDF: 143.3/73

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8214.536+/-1.473 χ^2/NDF:444737.5/19

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8281.273+/-1.498 χ^2/NDF:392143.1/18

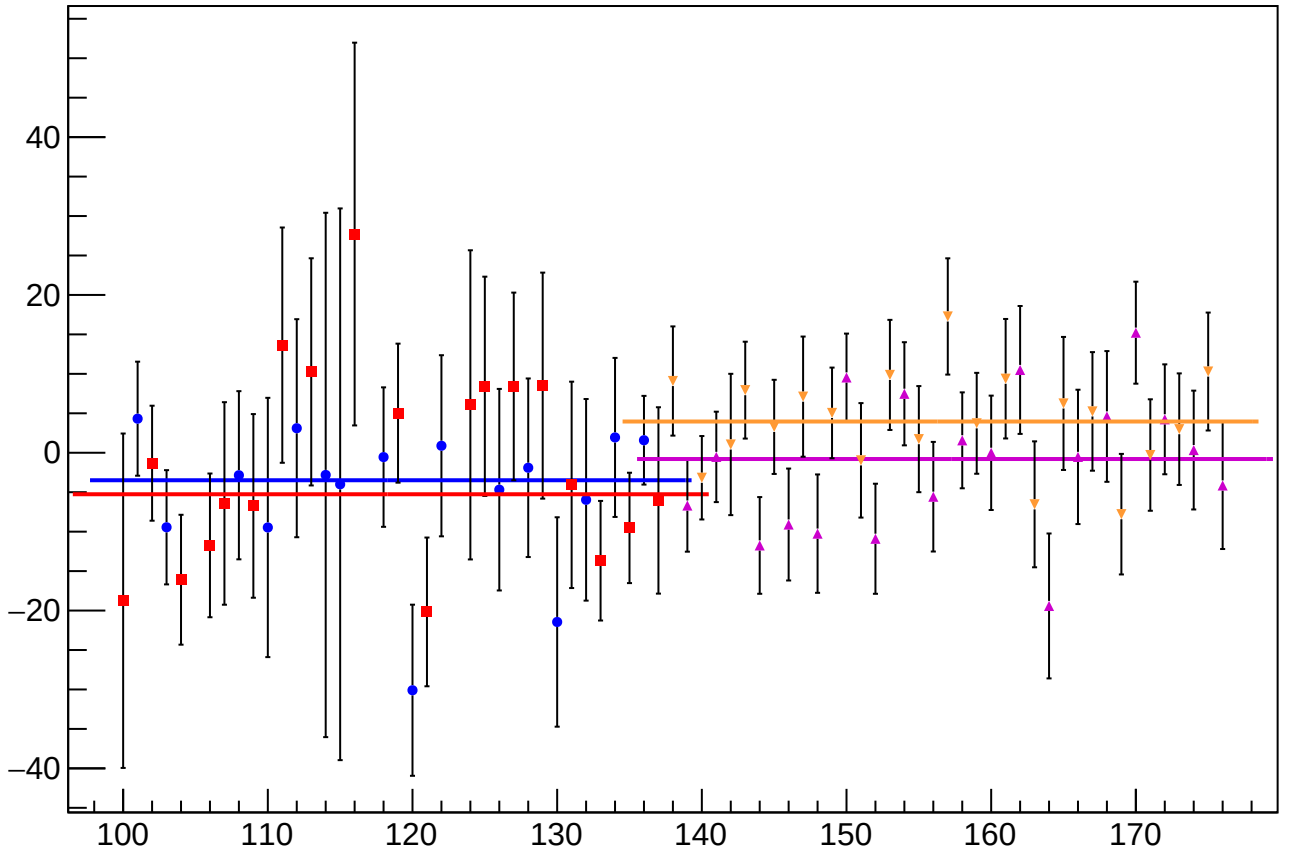
Left: 8247.344+/-1.050 χ^2/NDF: 837890.0/38

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8904.065+/-1.354 χ^2/NDF:2081675.3/34

Out: 8882.436+/-1.337 χ^2/NDF:2302629.1/38

All: 8893.114+/-0.952 χ^2/NDF: 4384433.5/73



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.959+/-1.551 χ^2/NDF:13.5/19

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.794+/-1.581 χ^2/NDF:28.3/18

Left: 1.628+/-1.107 χ^2/NDF: 46.4/38

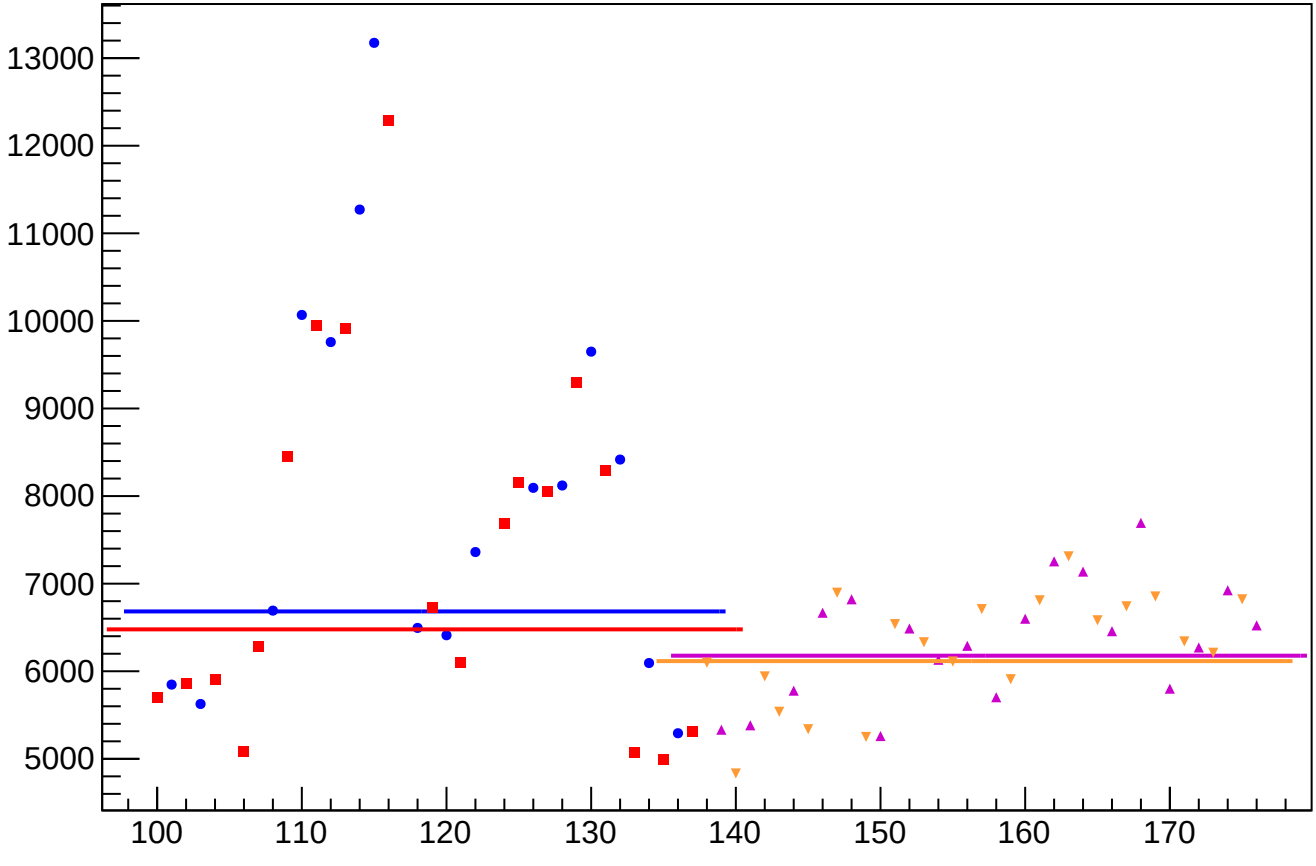
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.541+/-1.344 χ^2/NDF:40.6/34

Out: 1.317+/-1.310 χ^2/NDF:40.2/38

All: -0.076+/-0.938 χ^2/NDF: 83.1/73

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6115.853+/-1.097 χ^2/NDF:381055.1/19

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6177.562+/-1.118 χ^2/NDF:347897.8/18

Left: 6146.115+/-0.783 χ^2/NDF: 730506.1/38

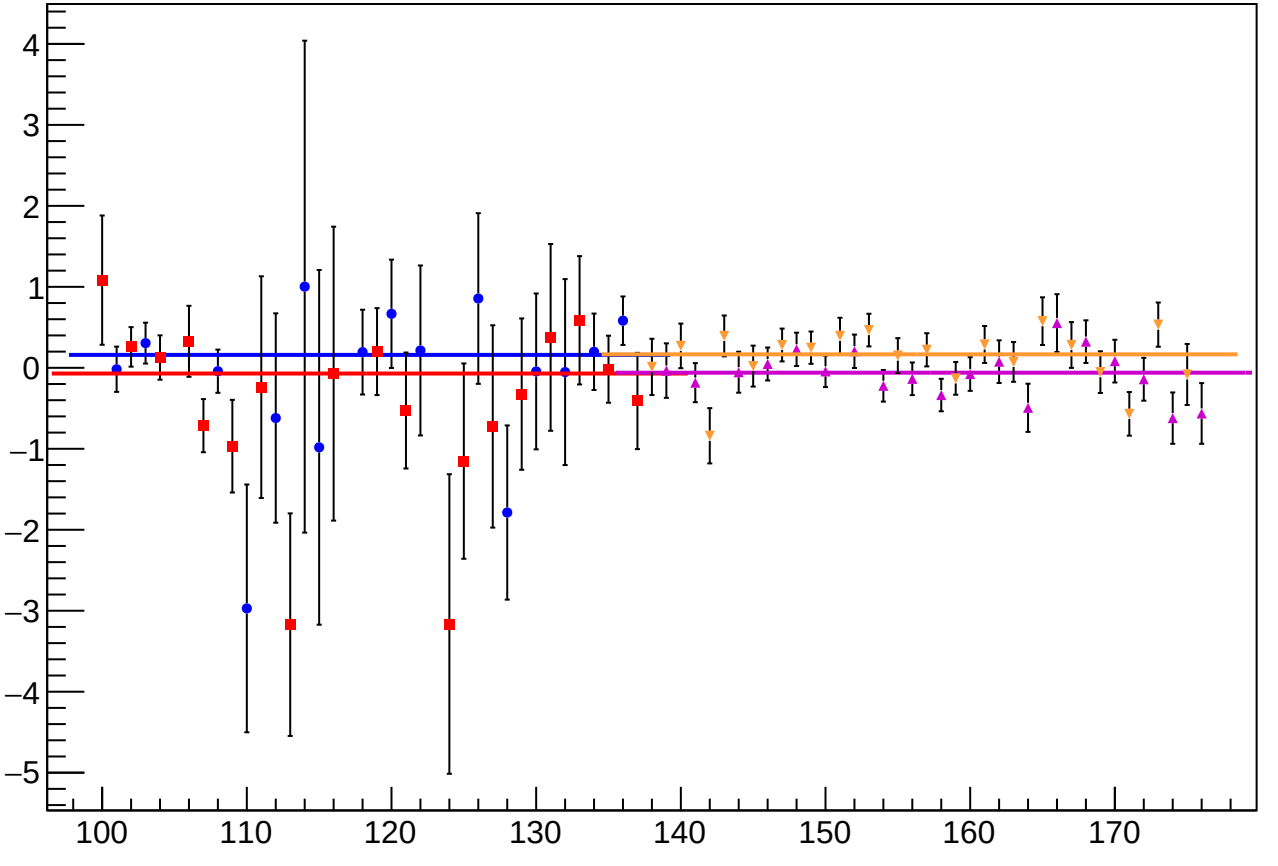
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6317.903+/-0.950 χ^2/NDF:1096868.8/34

Out: 6219.694+/-0.926 χ^2/NDF:1251570.2/38

All: 6267.548+/-0.663 χ^2/NDF: 2353918.5/73

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.166+/-0.055 χ^2/NDF:29.1/19

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.060+/-0.055 χ^2/NDF:19.7/18

Left: 0.054+/-0.039 χ^2/NDF: 57.3/38

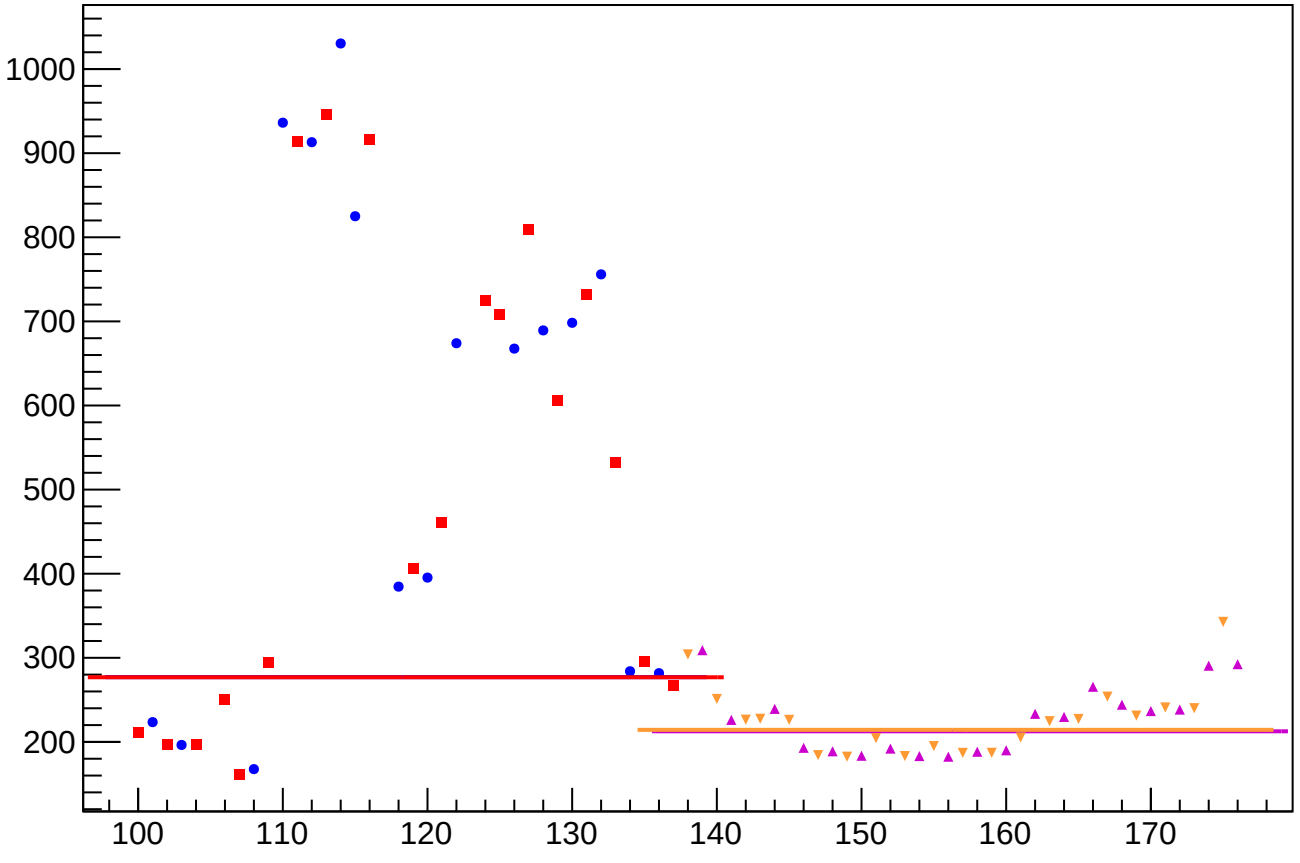
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.022+/-0.050 χ^2/NDF:35.0/34

Out: 0.126+/-0.050 χ^2/NDF:54.8/38

All: 0.052+/-0.035 χ^2/NDF: 94.2/73

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.345+/-0.039 χ^2/NDF:744342.3/19

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 212.618+/-0.039 χ^2/NDF:785367.7/18

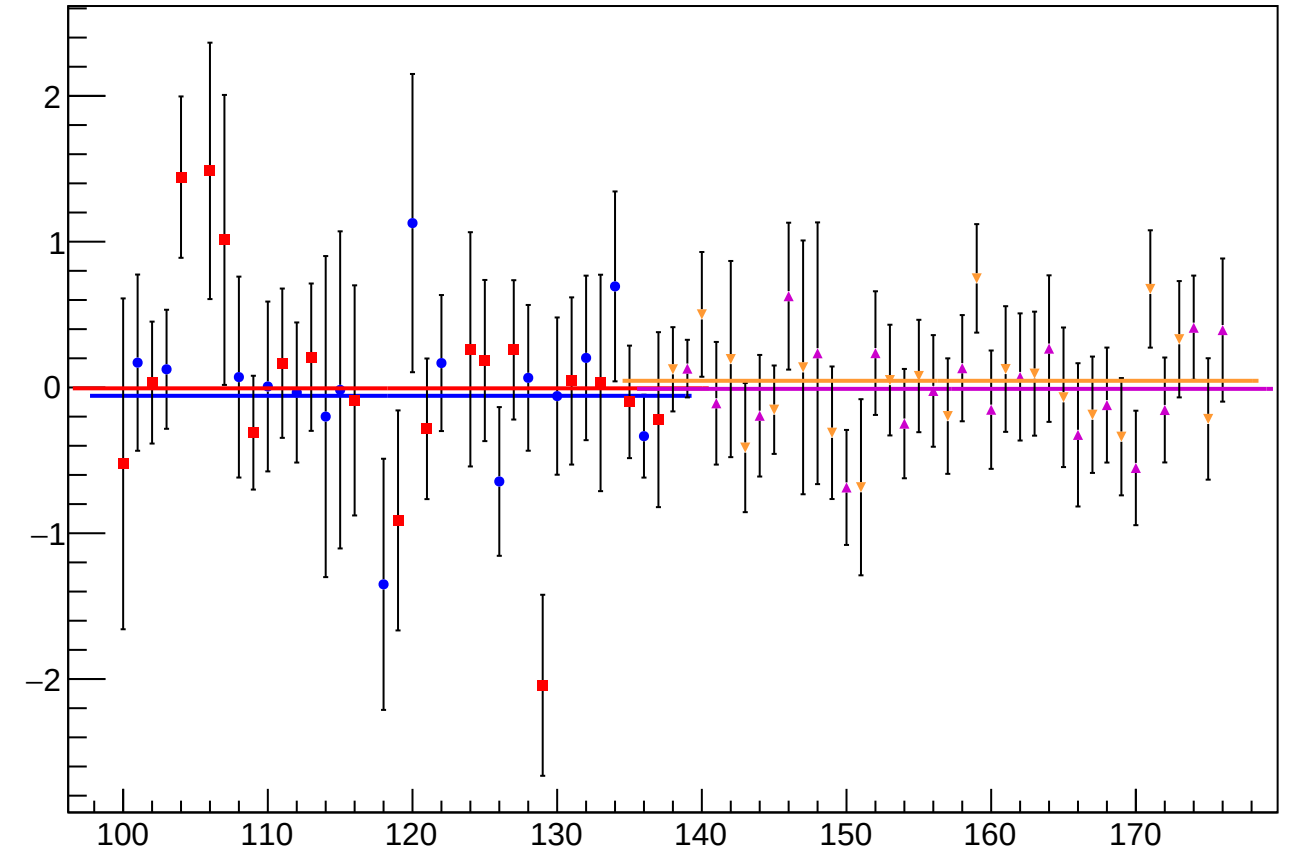
Left: 213.485+/-0.027 χ^2/NDF: 1530703.1/38

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 223.828+/-0.035 χ^2/NDF:4714976.7/34

Out: 225.135+/-0.035 χ^2/NDF:4767430.7/38

All: 224.484+/-0.025 χ^2/NDF: 9483095.8/73



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.046+/-0.092 χ^2/NDF:13.5/19

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.010+/-0.088 χ^2/NDF:11.3/18

Left: 0.017+/-0.064 χ^2/NDF: 25.0/38

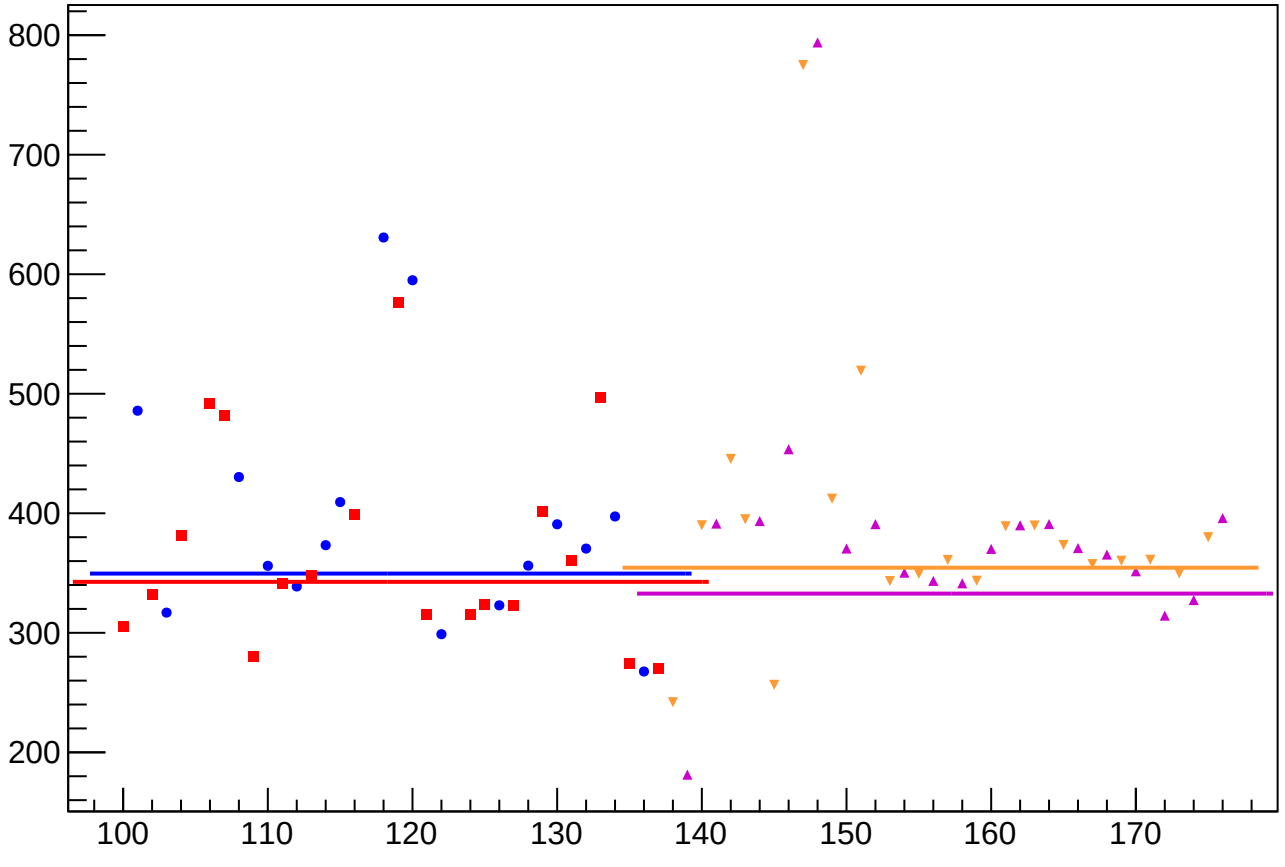
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.024+/-0.074 χ^2/NDF:19.5/34

Out: 0.028+/-0.075 χ^2/NDF:38.8/38

All: 0.002+/-0.053 χ^2/NDF: 58.5/73

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 354.484+/-0.065 χ^2/NDF:1270566.7/19

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 332.806+/-0.063 χ^2/NDF:2109947.5/18

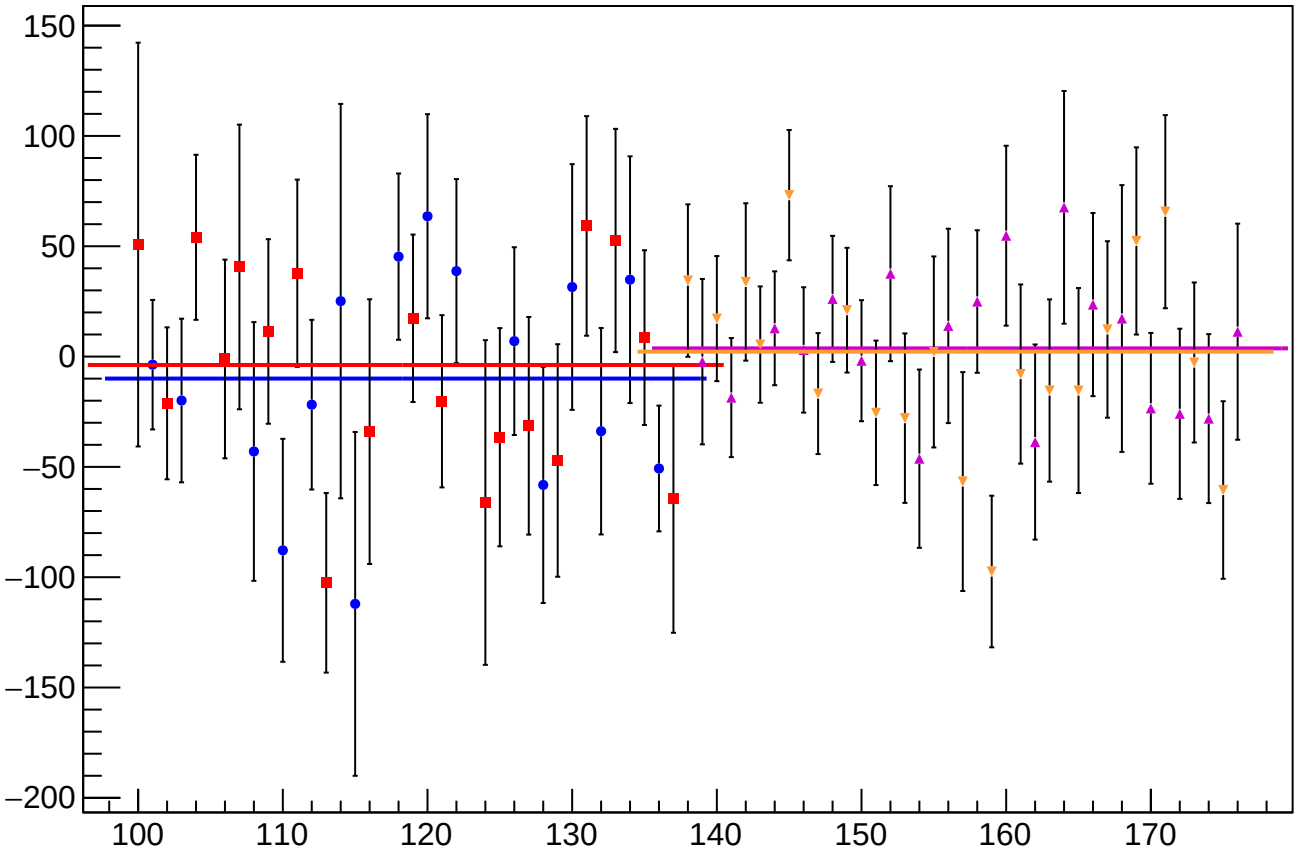
Left: 343.205+/-0.045 χ^2/NDF: 3438087.4/38

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 337.904+/-0.052 χ^2/NDF:2831066.5/34

Out: 350.479+/-0.053 χ^2/NDF:1857494.2/38

All: 344.093+/-0.037 χ^2/NDF: 4717130.7/73



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

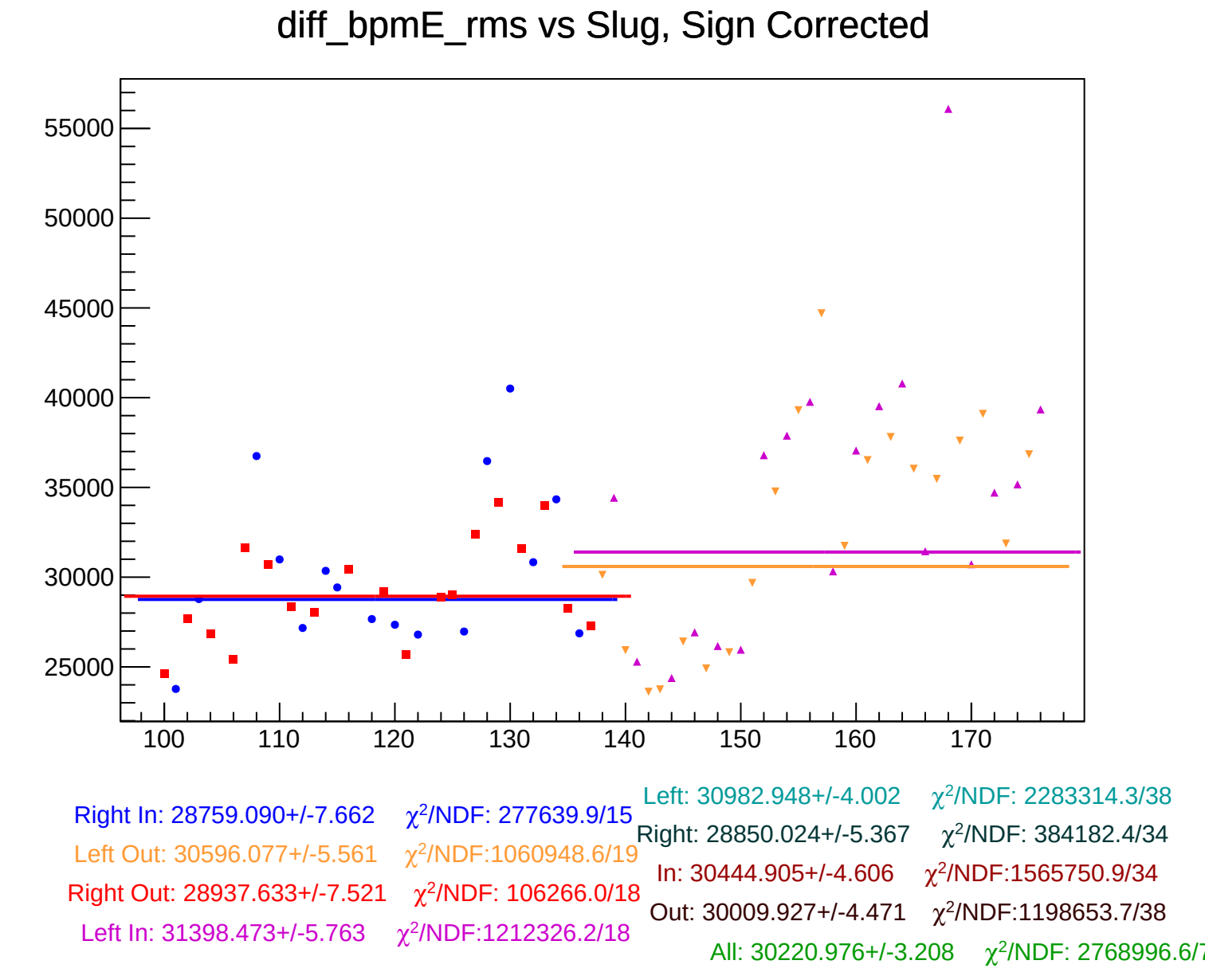
Left: 2.945+/-5.659 χ^2/NDF: 36.6/38

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

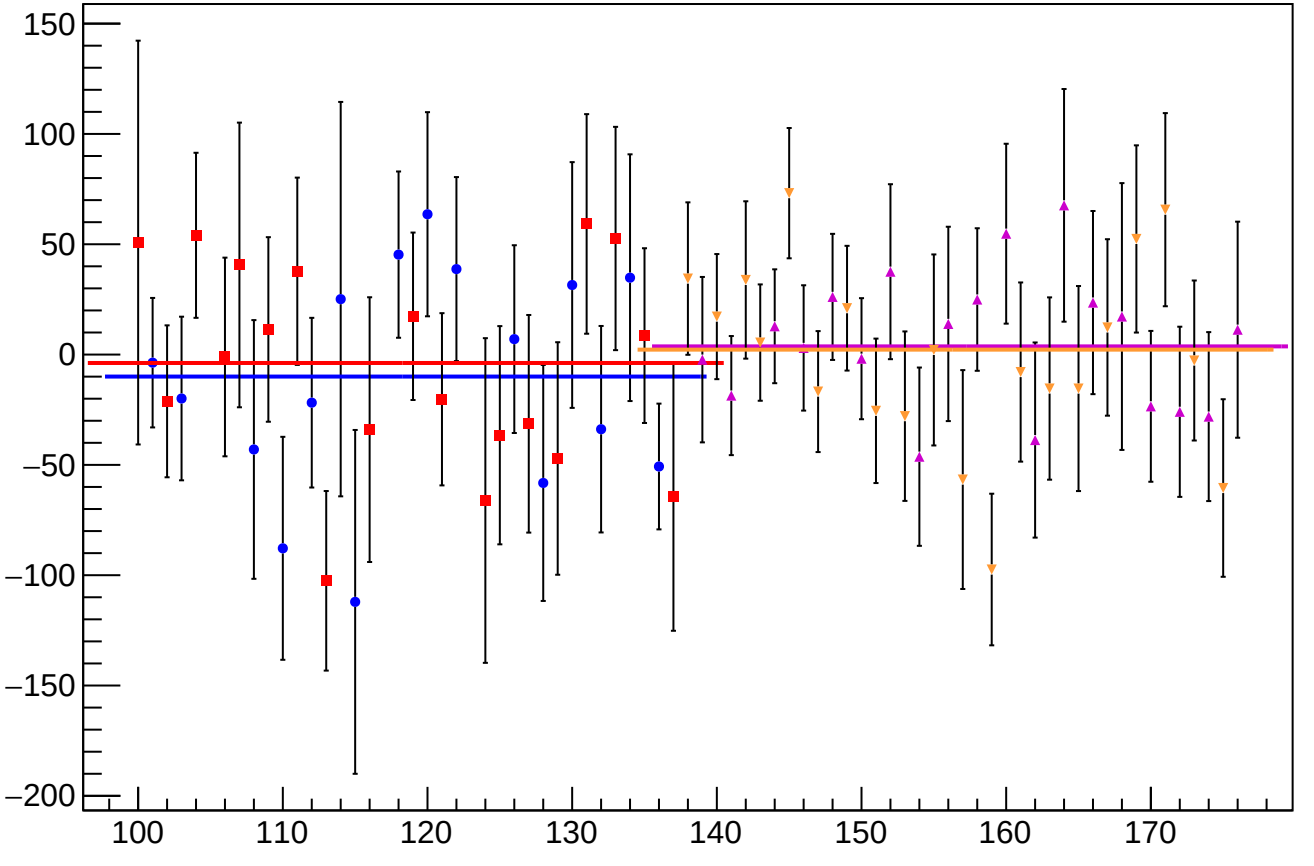
In: -1.232+/-6.513 χ^2/NDF:26.7/34

Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.549+/-4.537 χ^2/NDF: 70.4/73


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: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
Left: 30982.948+/-4.002 χ²/NDF: 2283314.3/38
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30444.905+/-4.606 χ²/NDF:1565750.9/34
Out: 30009.927+/-4.471 χ²/NDF:1198653.7/38
All: 30220.976+/-3.208 χ²/NDF: 2768996.6/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

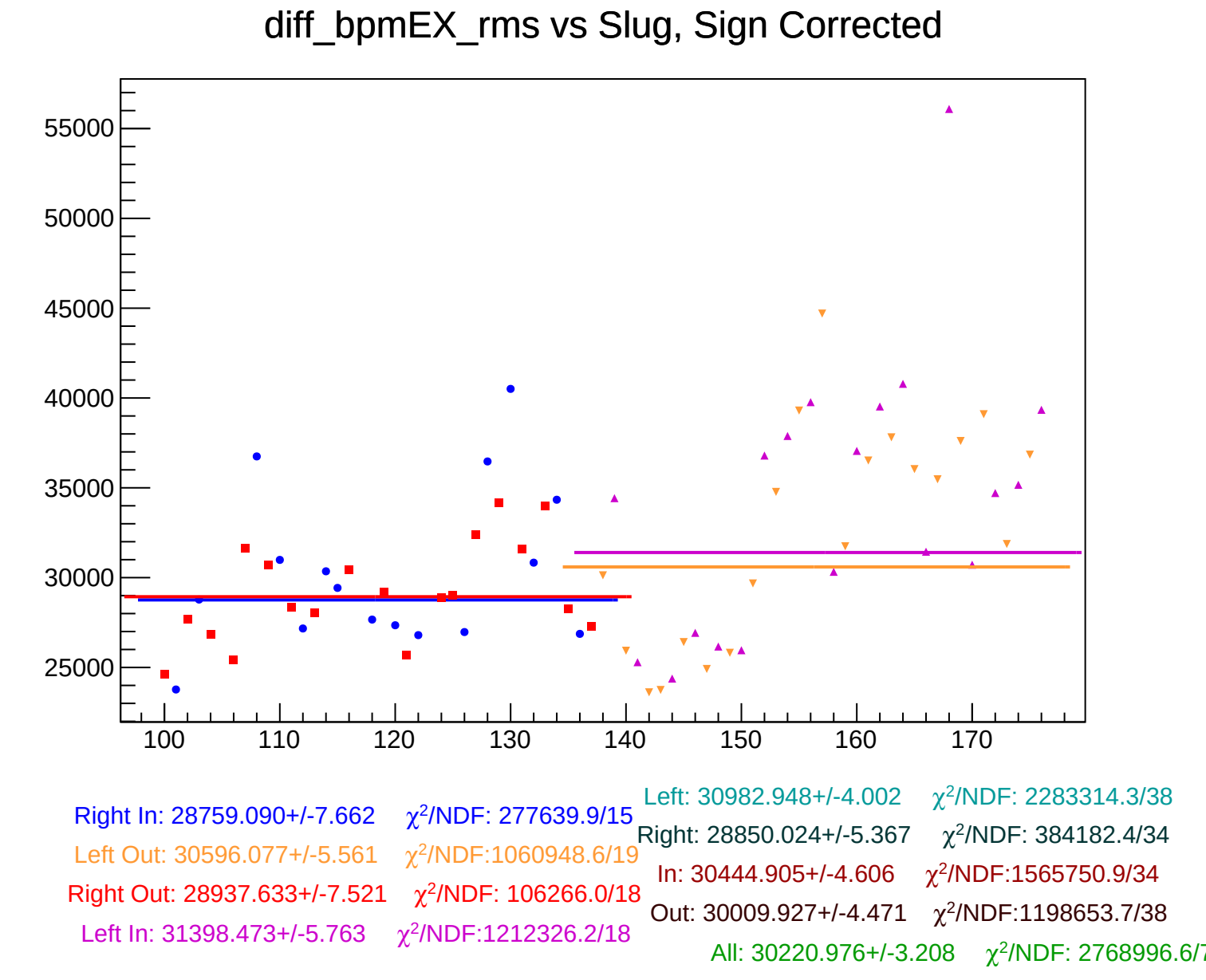
Left: 2.945+/-5.659 χ^2/NDF: 36.6/38

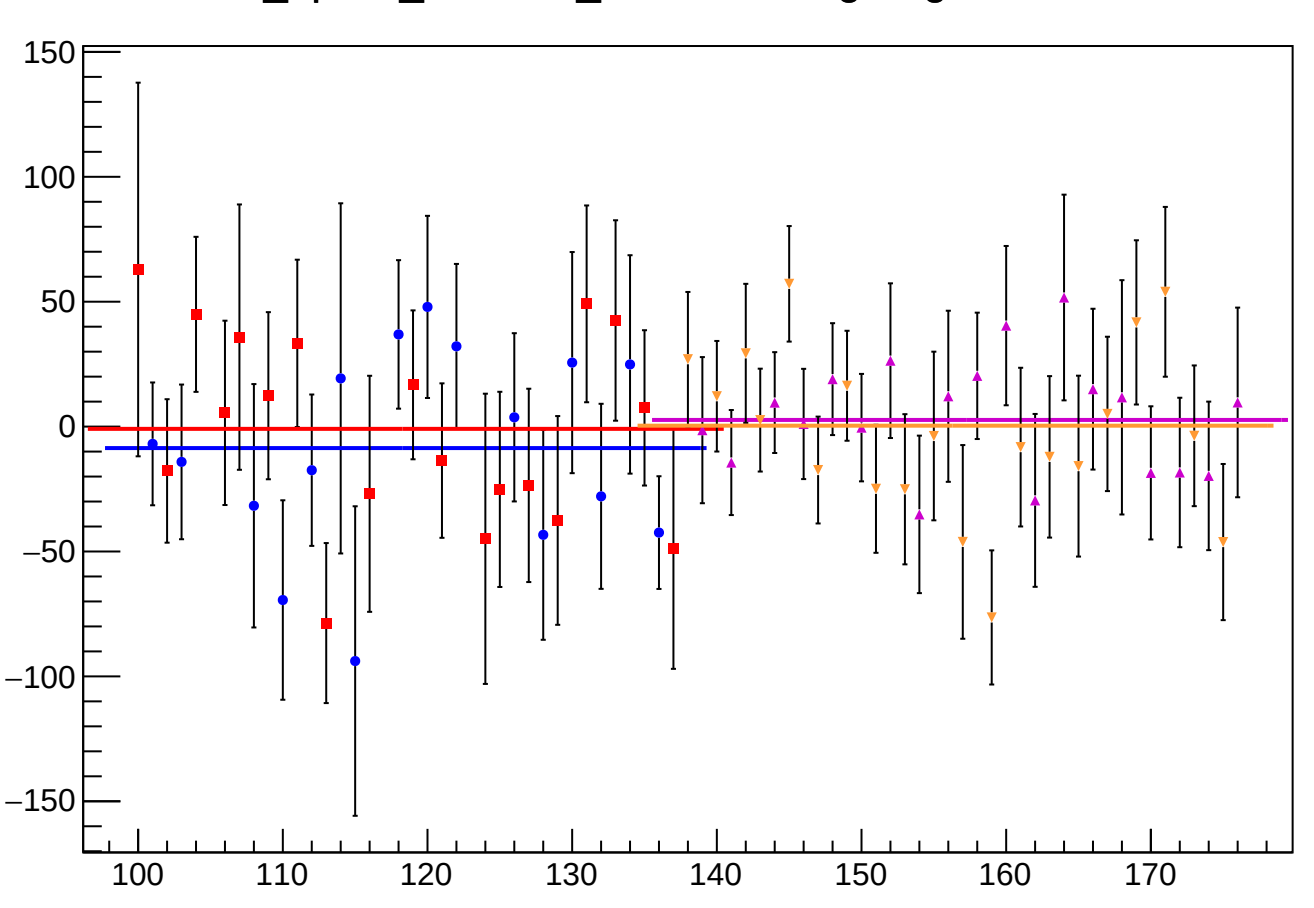
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.232+/-6.513 χ^2/NDF:26.7/34

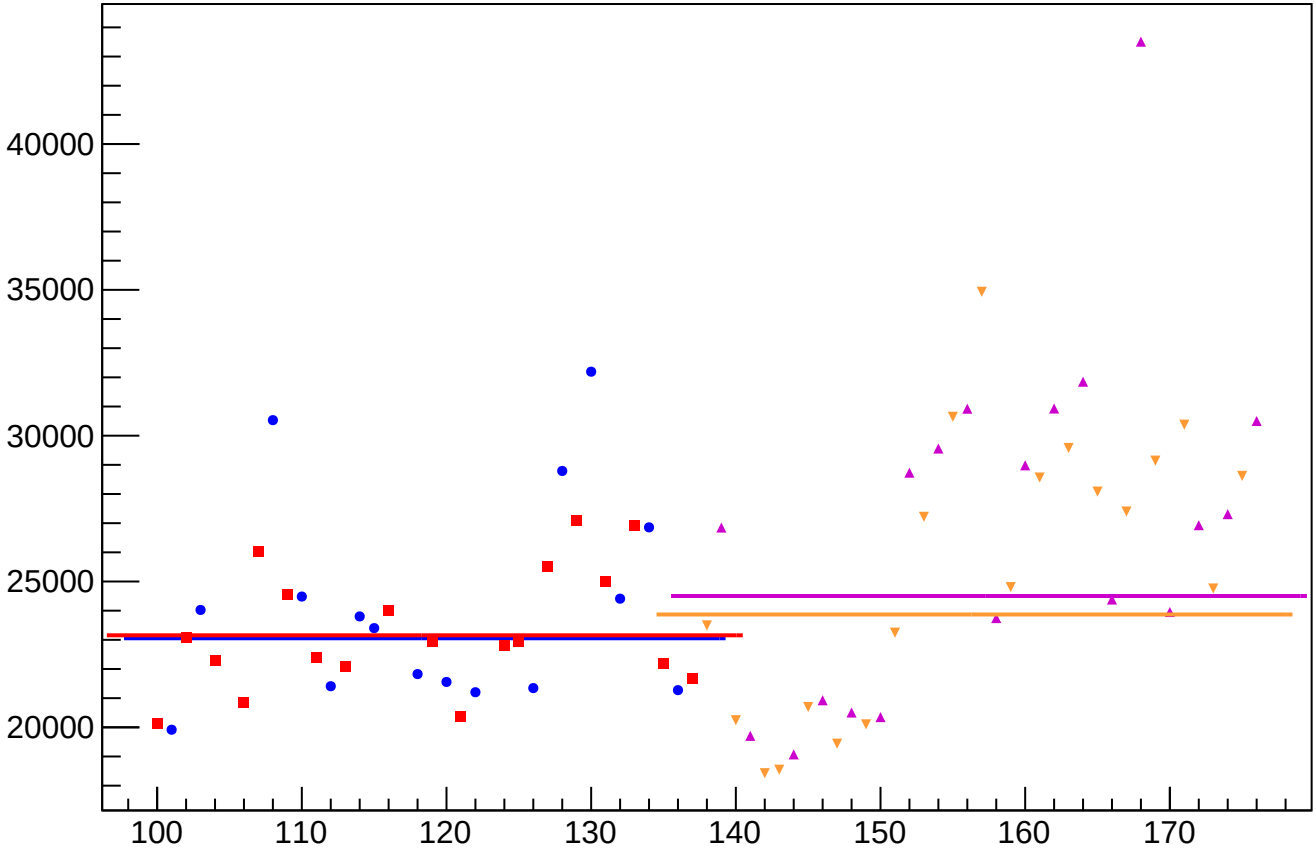
Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.549+/-4.537 χ^2/NDF: 70.4/73


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: 30596.077+/-5.561 χ²/NDF:1060948.6/19
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
Left: 30982.948+/-4.002 χ²/NDF: 2283314.3/38
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30444.905+/-4.606 χ²/NDF:1565750.9/34
Out: 30009.927+/-4.471 χ²/NDF:1198653.7/38
All: 30220.976+/-3.208 χ²/NDF: 2768996.6/7


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 0.368+/-6.133 χ²/NDF:27.7/19
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 2.667+/-6.358 χ²/NDF:9.5/18
Left: 1.476+/-4.414 χ²/NDF: 37.3/38
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -1.268+/-5.129 χ²/NDF:26.1/34
Out: -0.067+/-4.975 χ²/NDF:45.3/38
All: -0.649+/-3.571 χ²/NDF: 71.5/73

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 23869.159+/-4.337 χ^2/NDF:1050623.7/19

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 24502.952+/-4.496 χ^2/NDF:1195742.2/18

Left: 24174.650+/-3.121 χ^2/NDF: 2256659.3/38

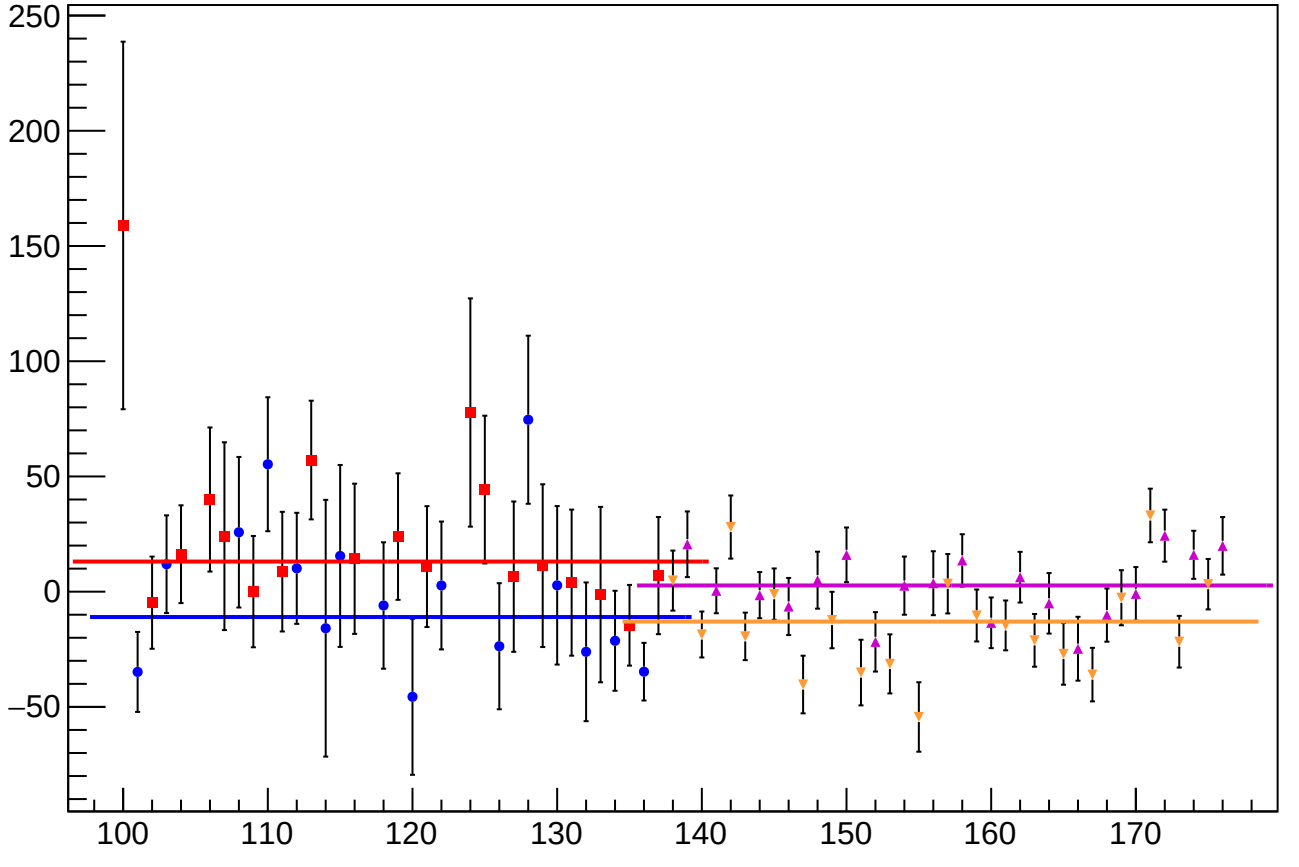
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23996.809+/-3.627 χ^2/NDF:1493469.3/34

Out: 23624.937+/-3.518 χ^2/NDF:1153787.0/38

All: 23805.203+/-2.525 χ^2/NDF: 2652673.3/7

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.961+/-2.663 χ^2/NDF:55.9/19

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.693+/-2.705 χ^2/NDF:23.2/18

Left: -5.255+/-1.898 χ^2/NDF: 96.2/38

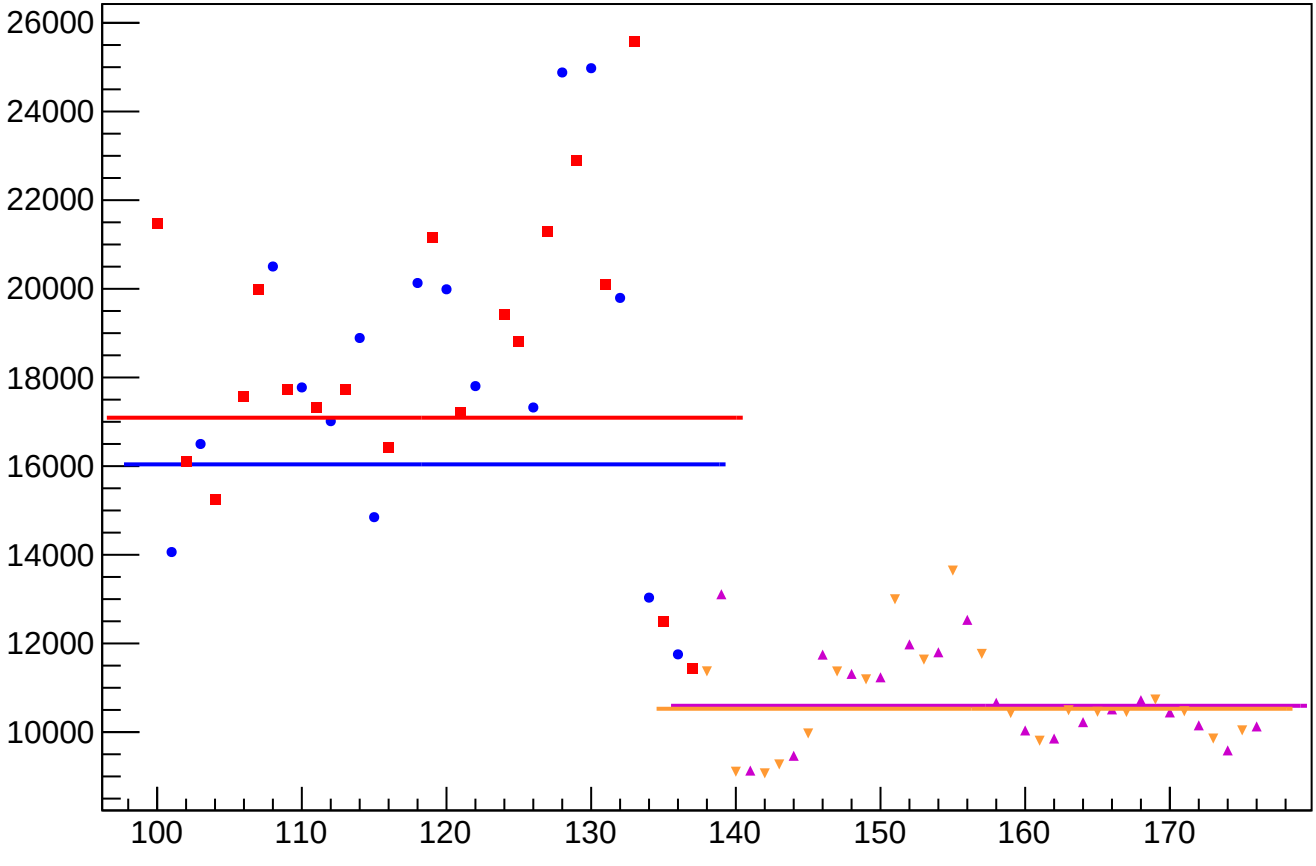
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: 0.476+/-2.476 χ^2/NDF:49.4/34

Out: -9.099+/-2.458 χ^2/NDF:84.0/38

All: -4.347+/-1.745 χ^2/NDF: 140.9/73

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10526.700+/-1.883 χ^2/NDF:321342.1/19

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10593.894+/-1.913 χ^2/NDF:283873.7/18

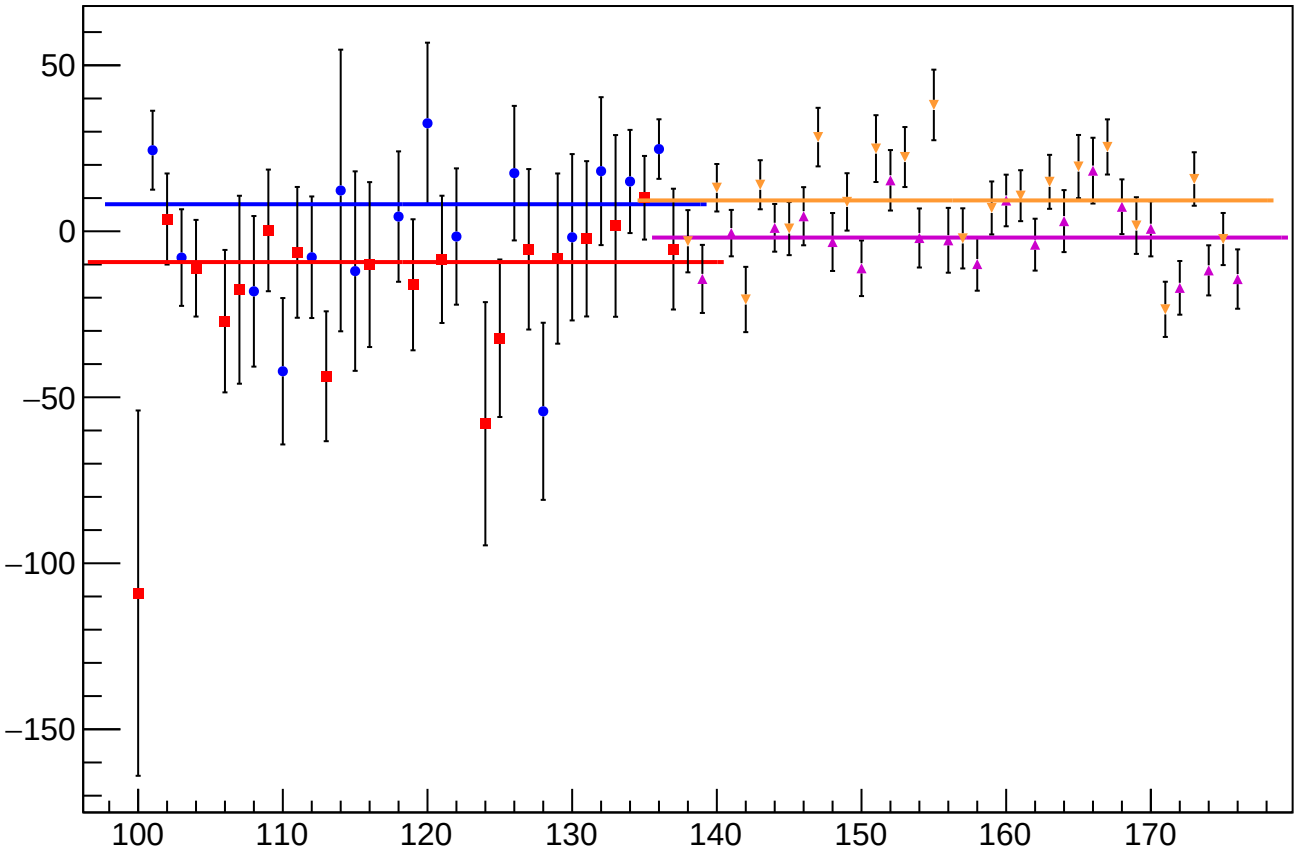
Left: 10559.778+/-1.342 χ^2/NDF: 605842.4/38

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11475.501+/-1.751 χ^2/NDF:2318983.7/34

Out: 11500.690+/-1.738 χ^2/NDF:2659792.9/38

All: 11488.189+/-1.234 χ^2/NDF: 4978880.8/7



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.297+/-1.897 χ^2/NDF:55.5/19

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.890+/-1.926 χ^2/NDF:23.1/18

Left: 3.788+/-1.352 χ^2/NDF: 95.8/38

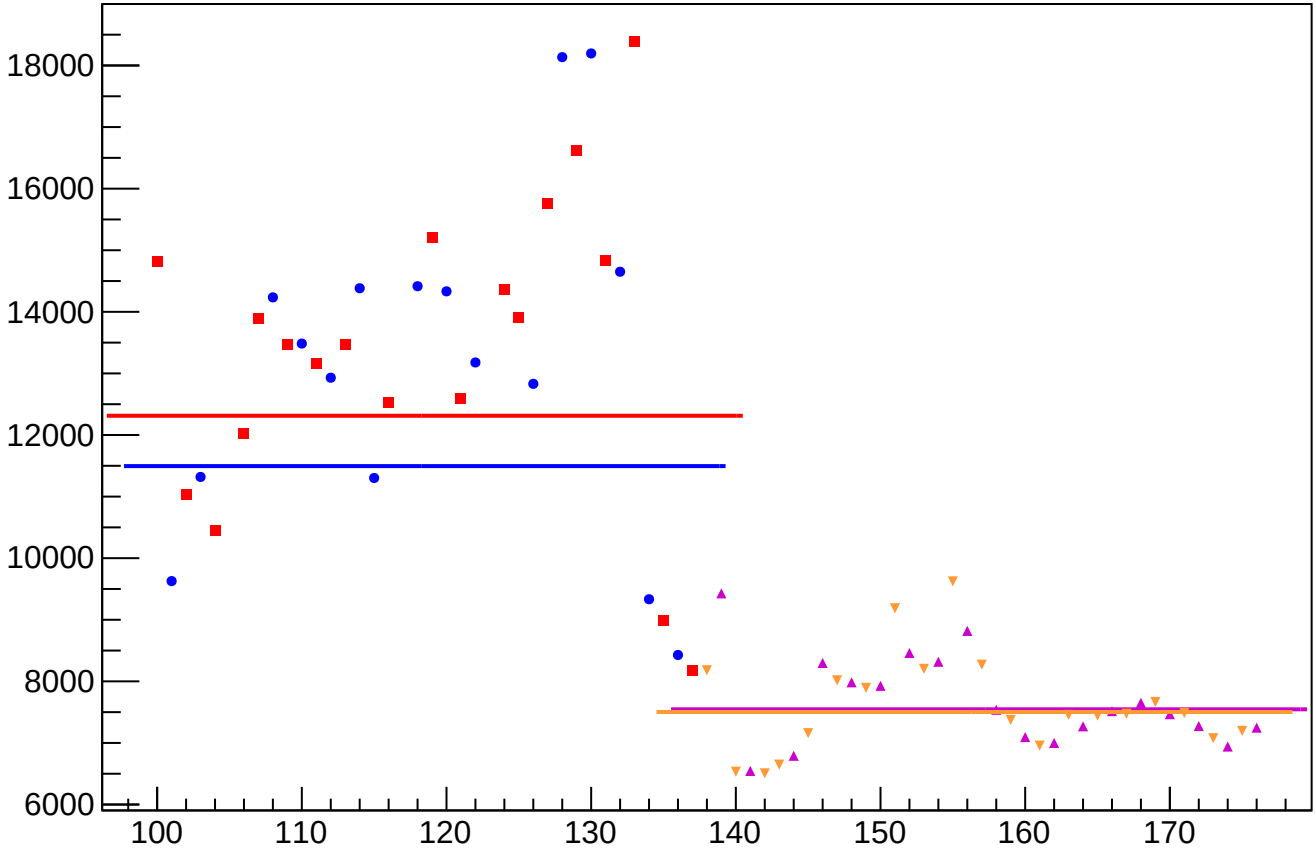
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: -0.289+/-1.766 χ^2/NDF:49.3/34

Out: 6.605+/-1.754 χ^2/NDF:83.3/38

All: 3.180+/-1.245 χ^2/NDF: 140.2/73

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7502.527+/-1.342 χ^2/NDF:291338.9/19

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7545.921+/-1.362 χ^2/NDF:259734.5/18

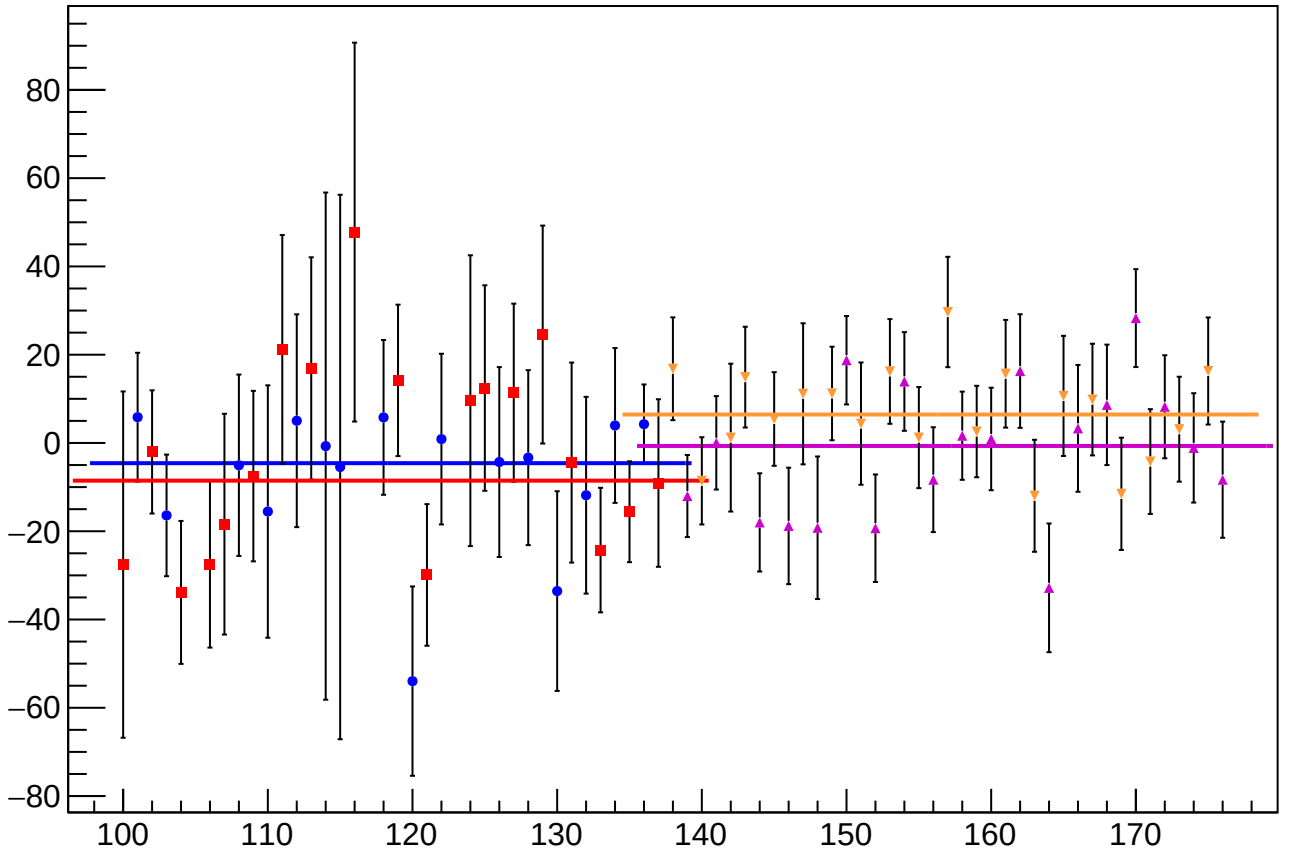
Left: 7523.899+/-0.956 χ^2/NDF: 551588.7/38

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8175.400+/-1.249 χ^2/NDF:2390029.8/34

Out: 8199.972+/-1.241 χ^2/NDF:2753984.1/38

All: 8187.766+/-0.880 χ^2/NDF: 5144208.9/73



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.451+/-2.693 χ^2/NDF:14.9/19

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.676+/-2.711 χ^2/NDF:30.3/18

Left: 2.912+/-1.910 χ^2/NDF: 48.7/38

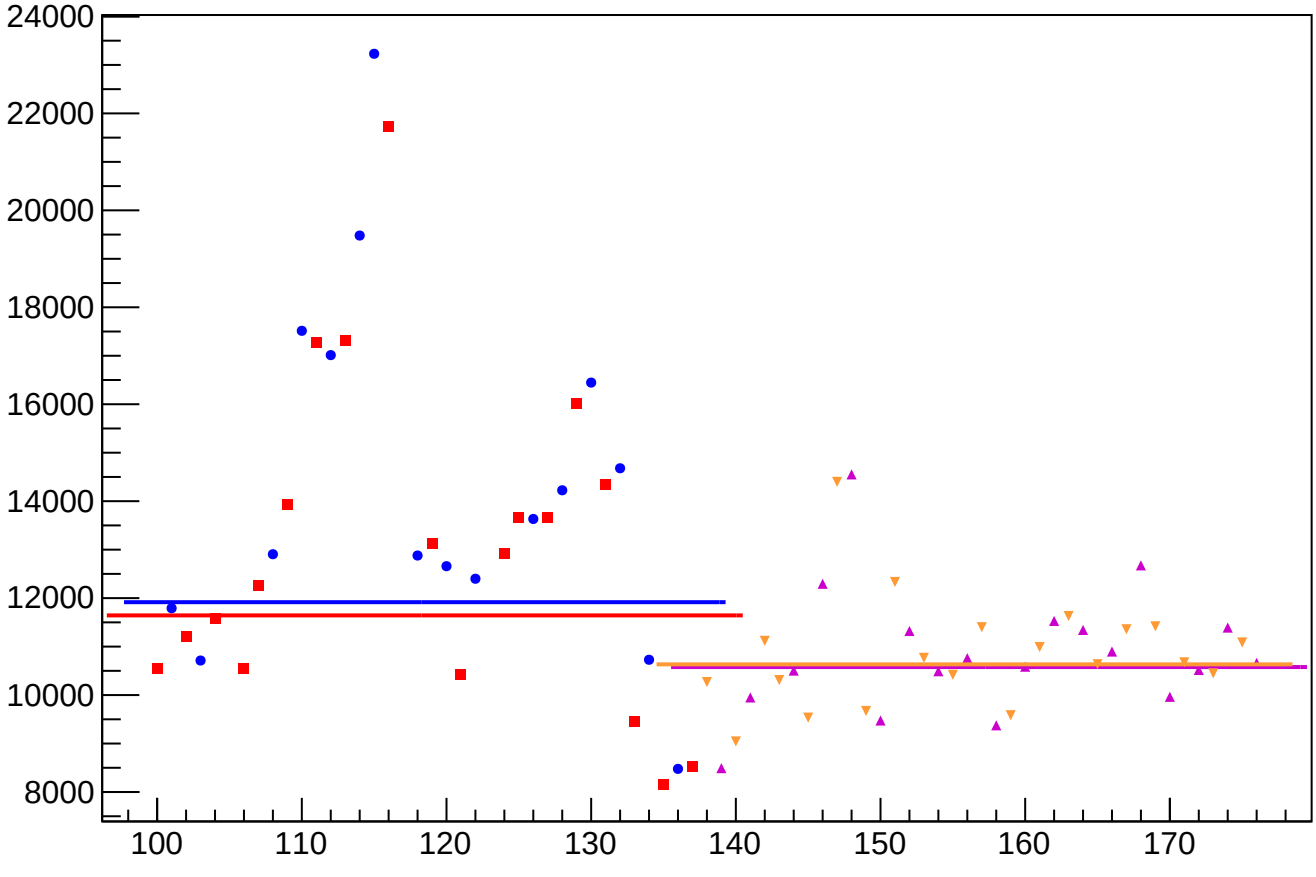
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.697+/-2.329 χ^2/NDF:41.1/34

Out: 2.357+/-2.296 χ^2/NDF:40.6/38

All: 0.360+/-1.635 χ^2/NDF: 83.2/73

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10633.668+/-1.904 χ^2/NDF:296580.3/19

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10578.062+/-1.917 χ^2/NDF:403552.8/18

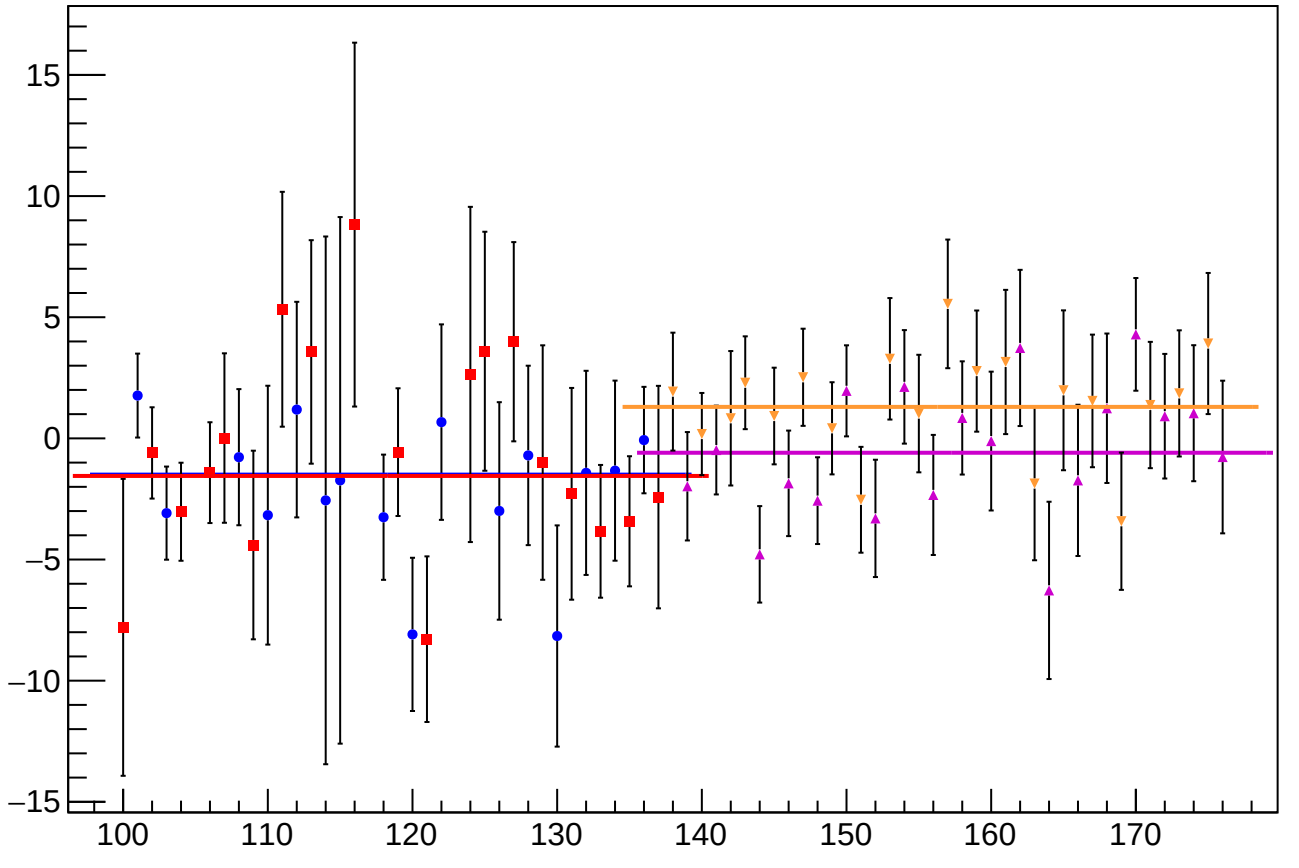
Left: 10606.053+/-1.351 χ^2/NDF: 700556.7/38

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10928.199+/-1.647 χ^2/NDF:1280857.4/34

Out: 10909.539+/-1.623 χ^2/NDF:1163798.9/38

All: 10918.732+/-1.156 χ^2/NDF: 2444721.5/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.299+/-0.534 χ^2/NDF:13.1/19

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.593+/-0.549 χ^2/NDF:21.5/18

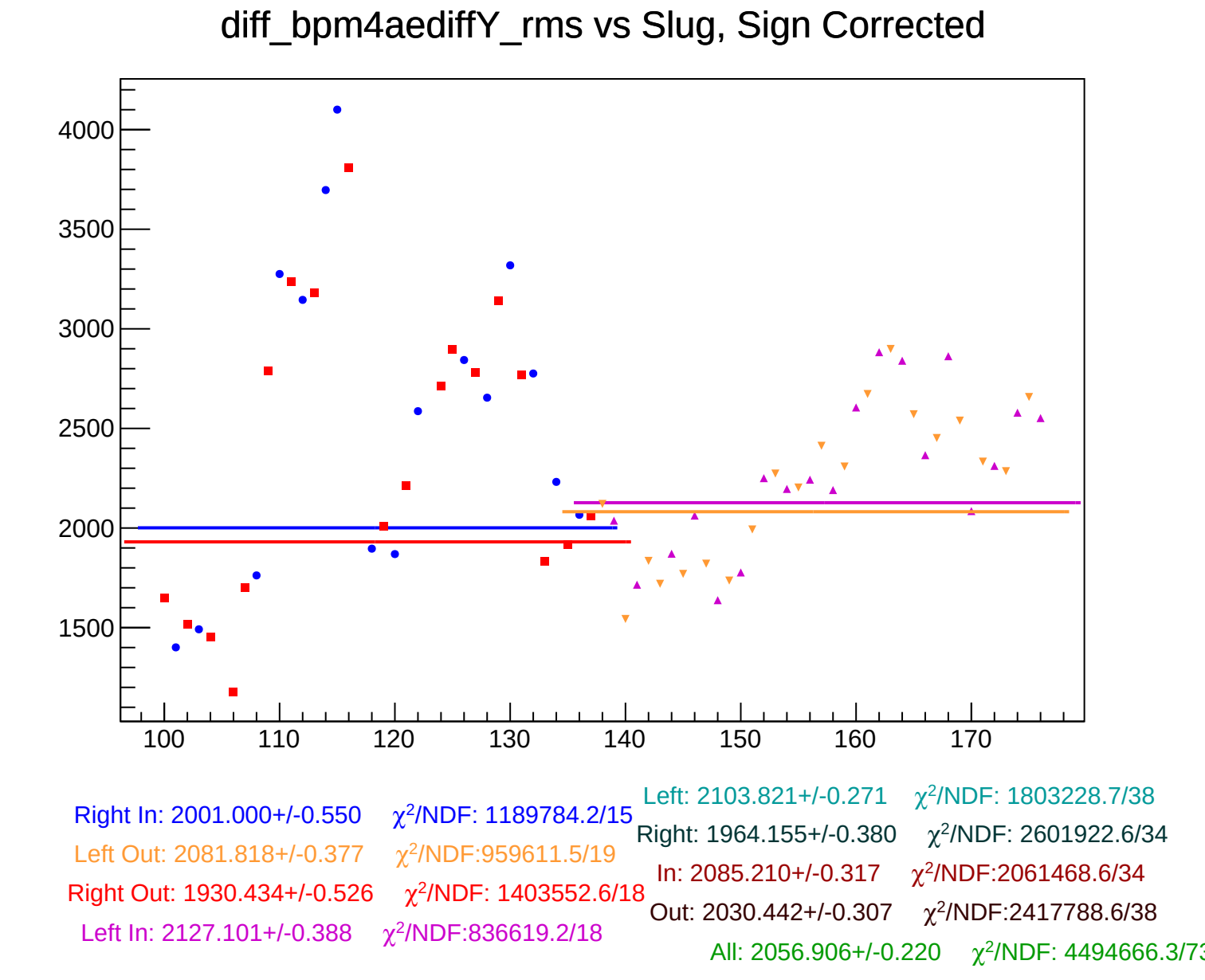
Left: 0.380+/-0.383 χ^2/NDF: 40.8/38

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

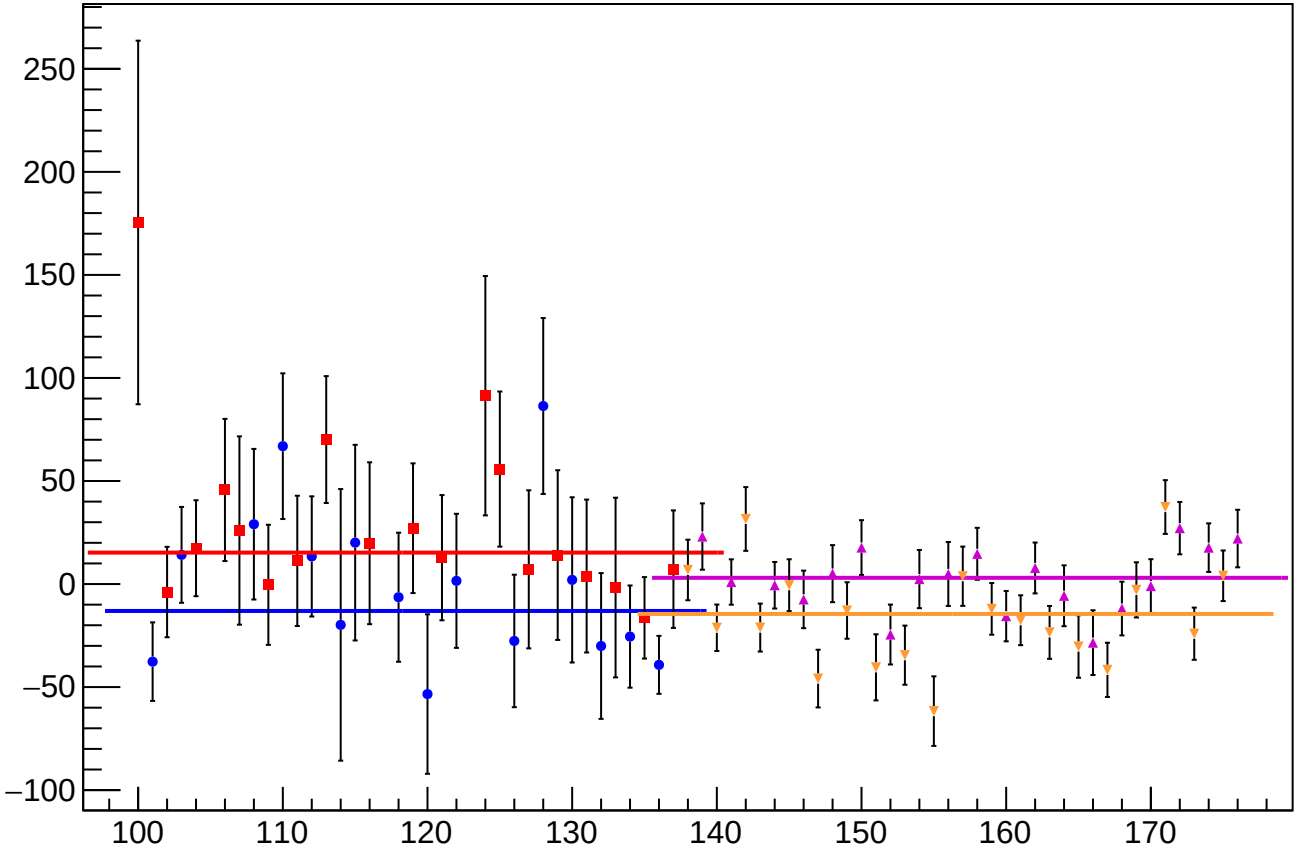
In: -0.893+/-0.449 χ^2/NDF:35.0/34

Out: 0.332+/-0.434 χ^2/NDF:39.1/38

All: -0.260+/-0.312 χ^2/NDF: 77.9/73


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: 2081.818+/-0.377 χ²/NDF:959611.5/19
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2127.101+/-0.388 χ²/NDF:836619.2/18
Left: 2103.821+/-0.271 χ²/NDF: 1803228.7/38
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2085.210+/-0.317 χ²/NDF:2061468.6/34
Out: 2030.442+/-0.307 χ²/NDF:2417788.6/38
All: 2056.906+/-0.220 χ²/NDF: 4494666.3/73

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -14.508+/-2.993 χ^2/NDF:57.3/19

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 3.022+/-3.038 χ^2/NDF:23.2/18

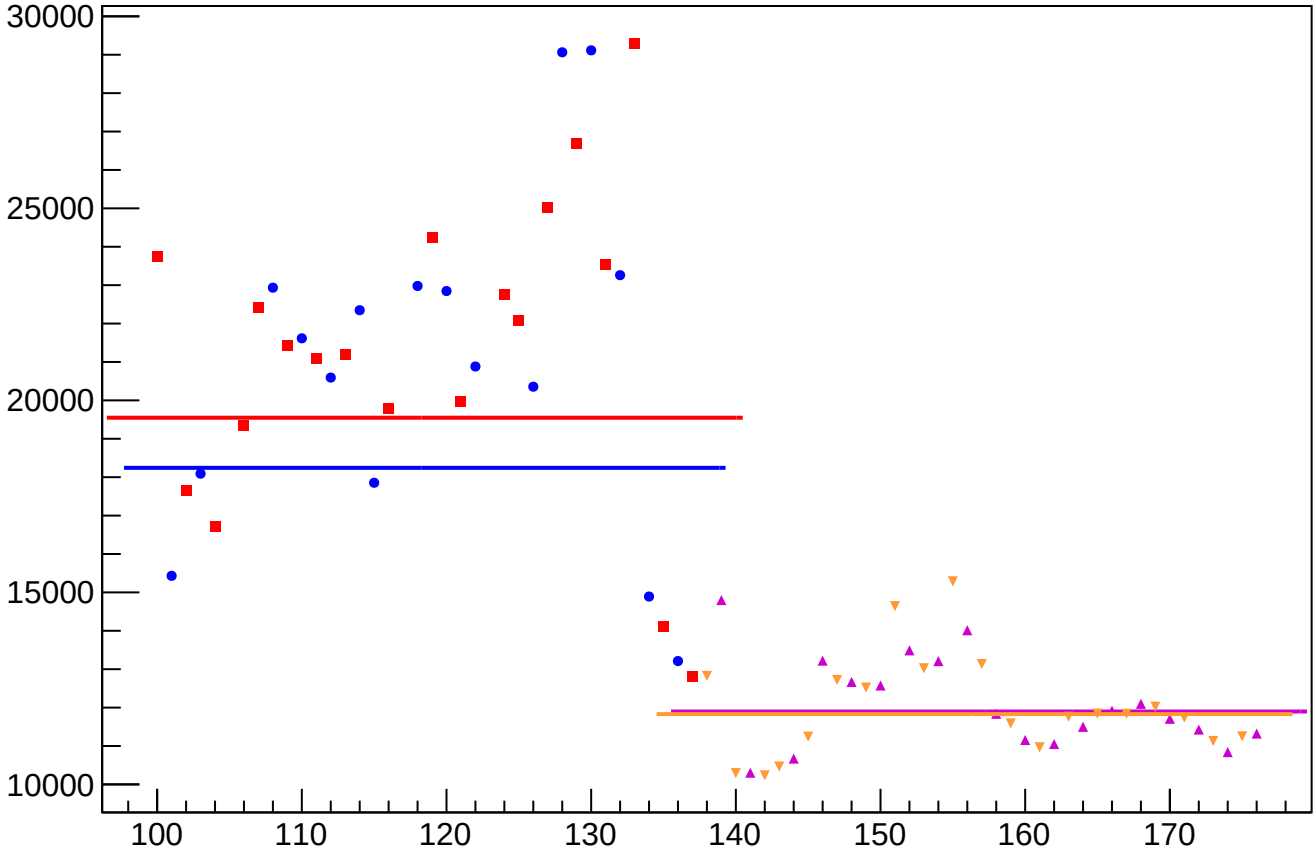
Left: -5.874+/-2.132 χ^2/NDF: 97.4/38

Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

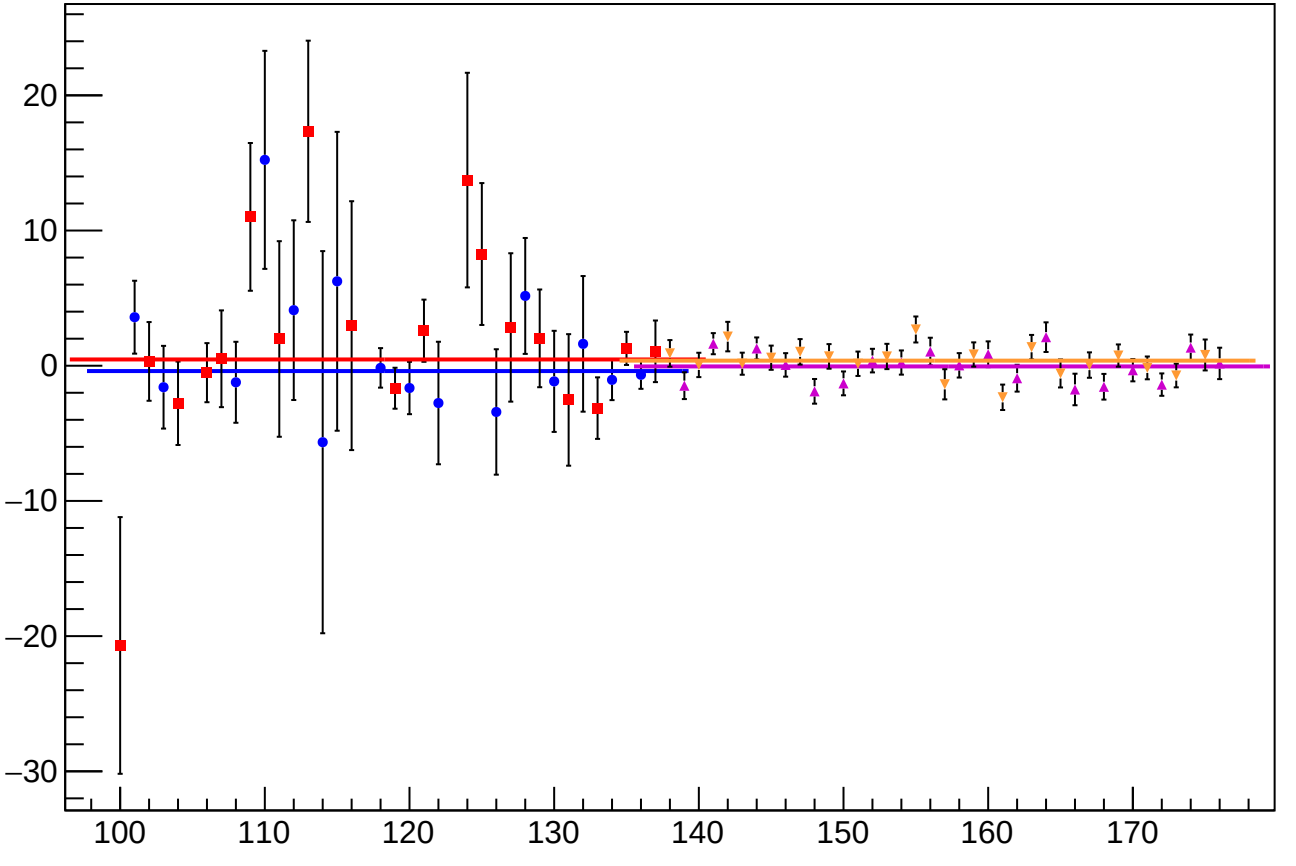
In: 0.489+/-2.788 χ^2/NDF:49.4/34

Out: -10.246+/-2.770 χ^2/NDF:85.8/38

All: -4.914+/-1.965 χ^2/NDF: 142.7/73


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
Right In: 18243.342+/-4.968 χ²/NDF: 819828.6/15
Left Out: 11830.331+/-2.116 χ²/NDF:310415.7/19
Right Out: 19548.426+/-5.176 χ²/NDF: 621716.4/18
Left In: 11898.404+/-2.148 χ²/NDF:279816.1/18
Left: 11863.858+/-1.508 χ²/NDF: 590741.4/38
Right: 18869.124+/-3.585 χ²/NDF: 1474629.7/34
In: 12897.672+/-1.972 χ²/NDF:2473673.5/34
Out: 12935.483+/-1.959 χ²/NDF:2836857.5/38
All: 12916.702+/-1.390 χ²/NDF: 5310716.1/7

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.376+/-0.208 χ^2/NDF:25.2/19

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.052+/-0.212 χ^2/NDF:32.1/18

Left: 0.166+/-0.149 χ^2/NDF: 59.4/38

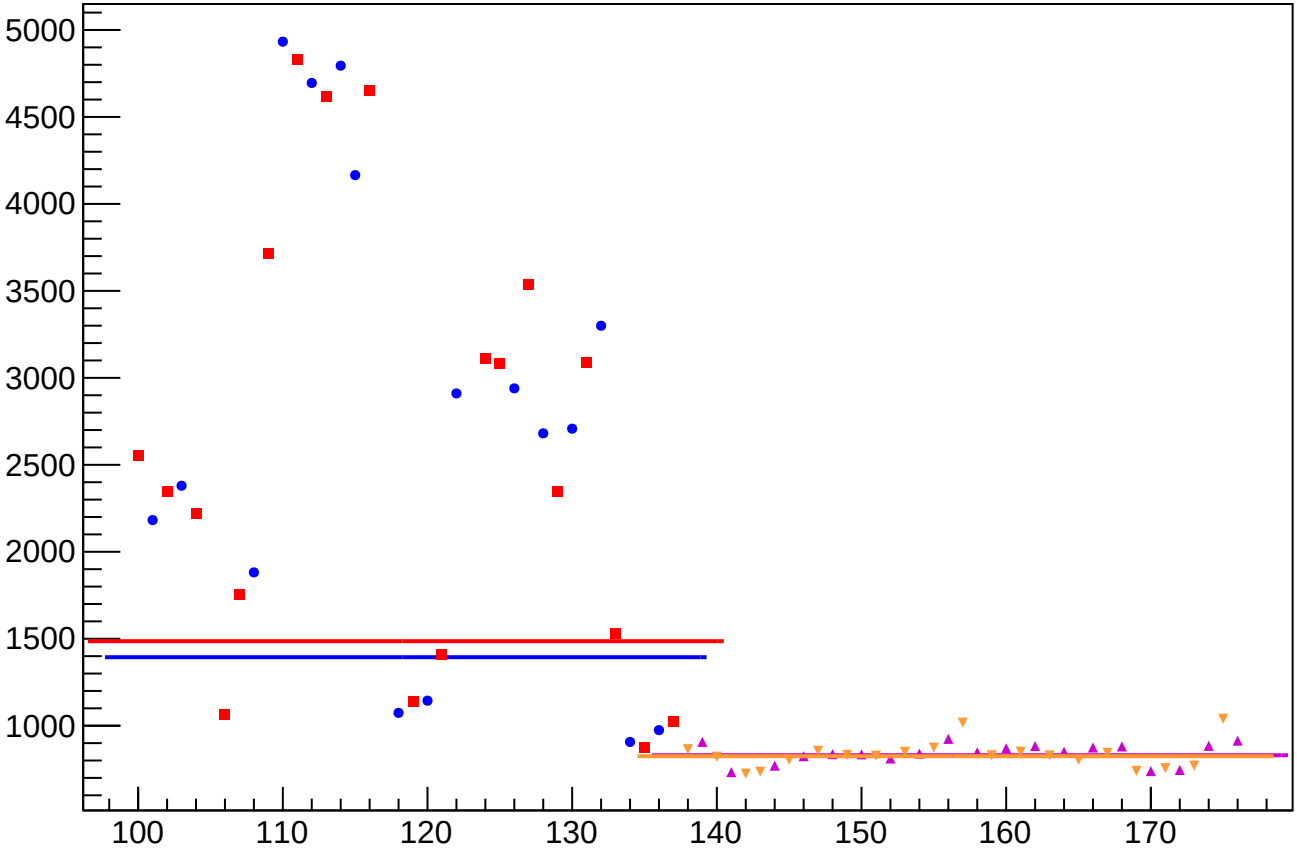
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.090+/-0.200 χ^2/NDF:42.8/34

Out: 0.385+/-0.198 χ^2/NDF:53.3/38

All: 0.150+/-0.141 χ^2/NDF: 98.9/73

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 824.495+/-0.147 χ^2/NDF:230410.7/19

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 830.367+/-0.150 χ^2/NDF:153373.0/18

Left: 827.380+/-0.105 χ^2/NDF: 384564.7/38

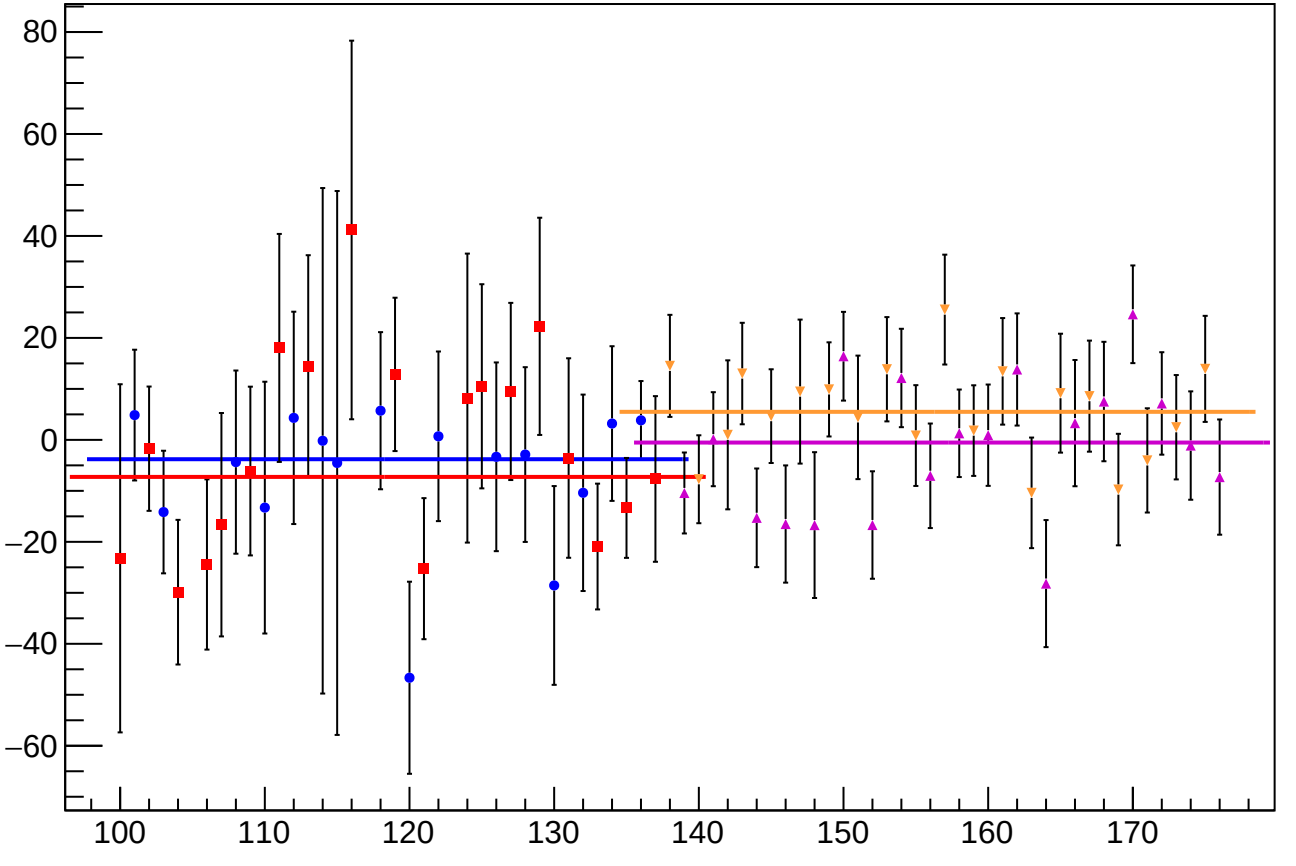
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.850+/-0.141 χ^2/NDF:5102411.9/34

Out: 888.966+/-0.140 χ^2/NDF:5594910.8/38

All: 890.889+/-0.099 χ^2/NDF: 10697704.2/73

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.502+/-2.326 χ^2/NDF:15.1/19

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.526+/-2.338 χ^2/NDF:30.5/18

Left: 2.503+/-1.649 χ^2/NDF: 48.9/38

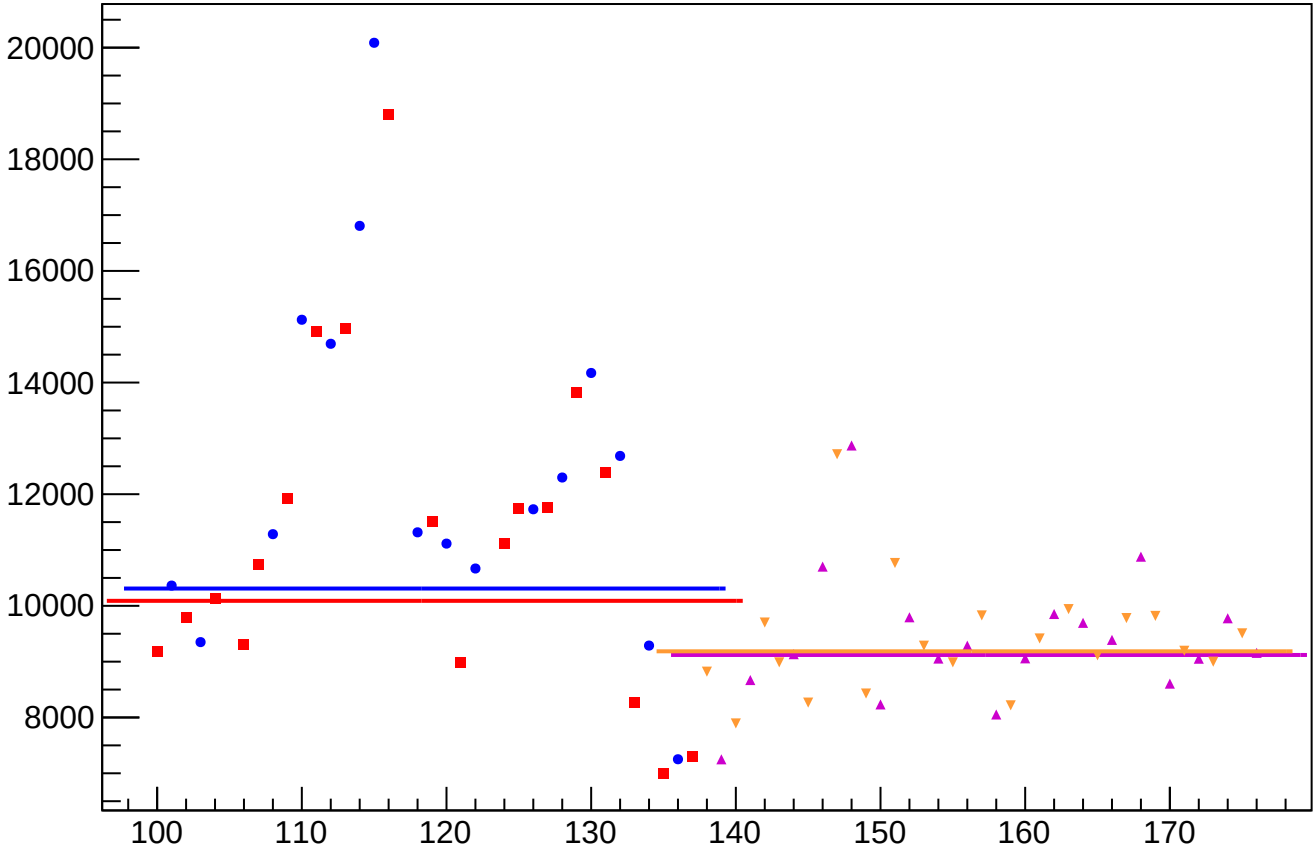
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.377+/-2.011 χ^2/NDF:41.0/34

Out: 2.031+/-1.985 χ^2/NDF:40.6/38

All: 0.350+/-1.413 χ^2/NDF: 83.1/73

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9185.142+/-1.645 χ^2/NDF:301193.3/19

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9119.715+/-1.653 χ^2/NDF:424595.7/18

Left: 9152.597+/-1.166 χ^2/NDF: 726576.0/38

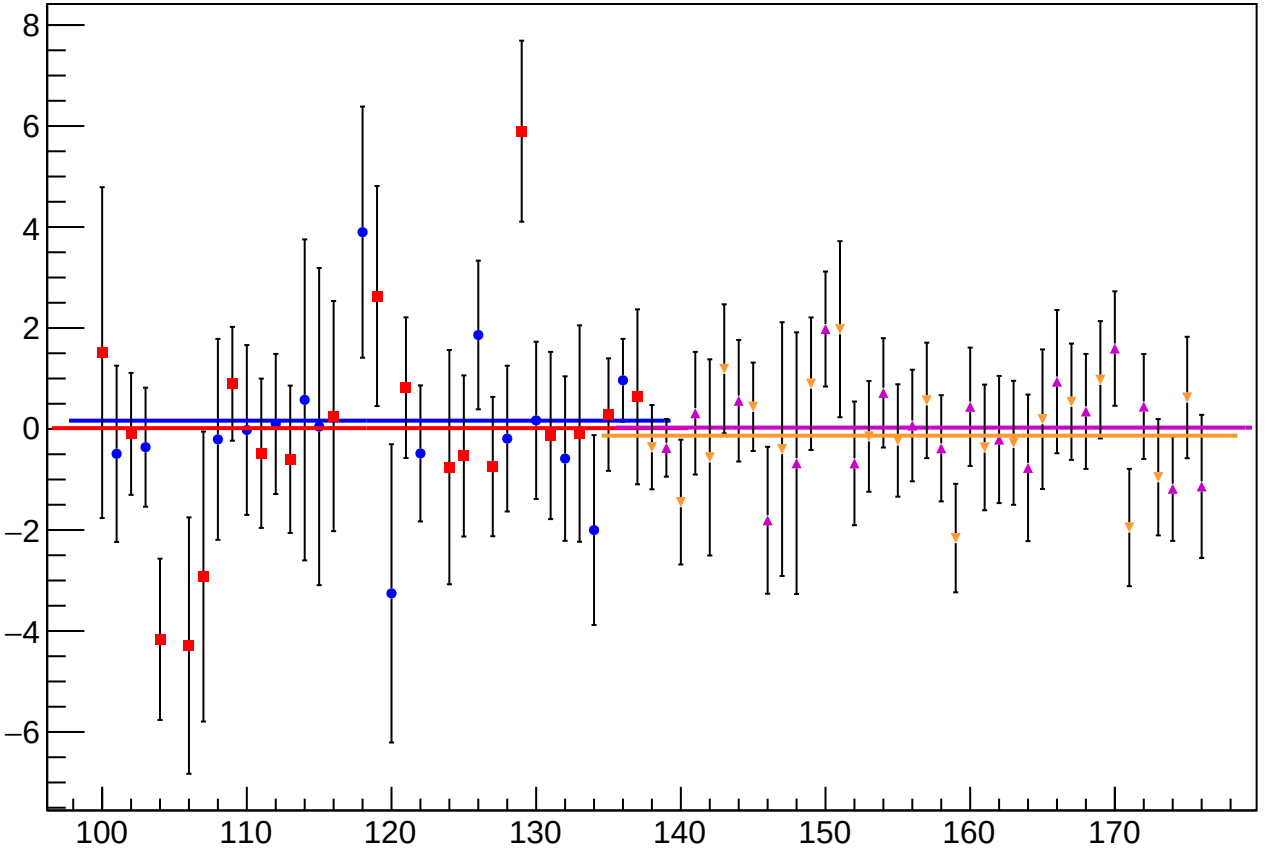
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9429.355+/-1.422 χ^2/NDF:1329942.2/34

Out: 9431.018+/-1.404 χ^2/NDF:1176178.4/38

All: 9430.198+/-0.999 χ^2/NDF: 2506121.3/73

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.132+/-0.266 χ^2/NDF:13.5/19

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.028+/-0.255 χ^2/NDF:11.3/18

Left: -0.049+/-0.184 χ^2/NDF: 25.0/38

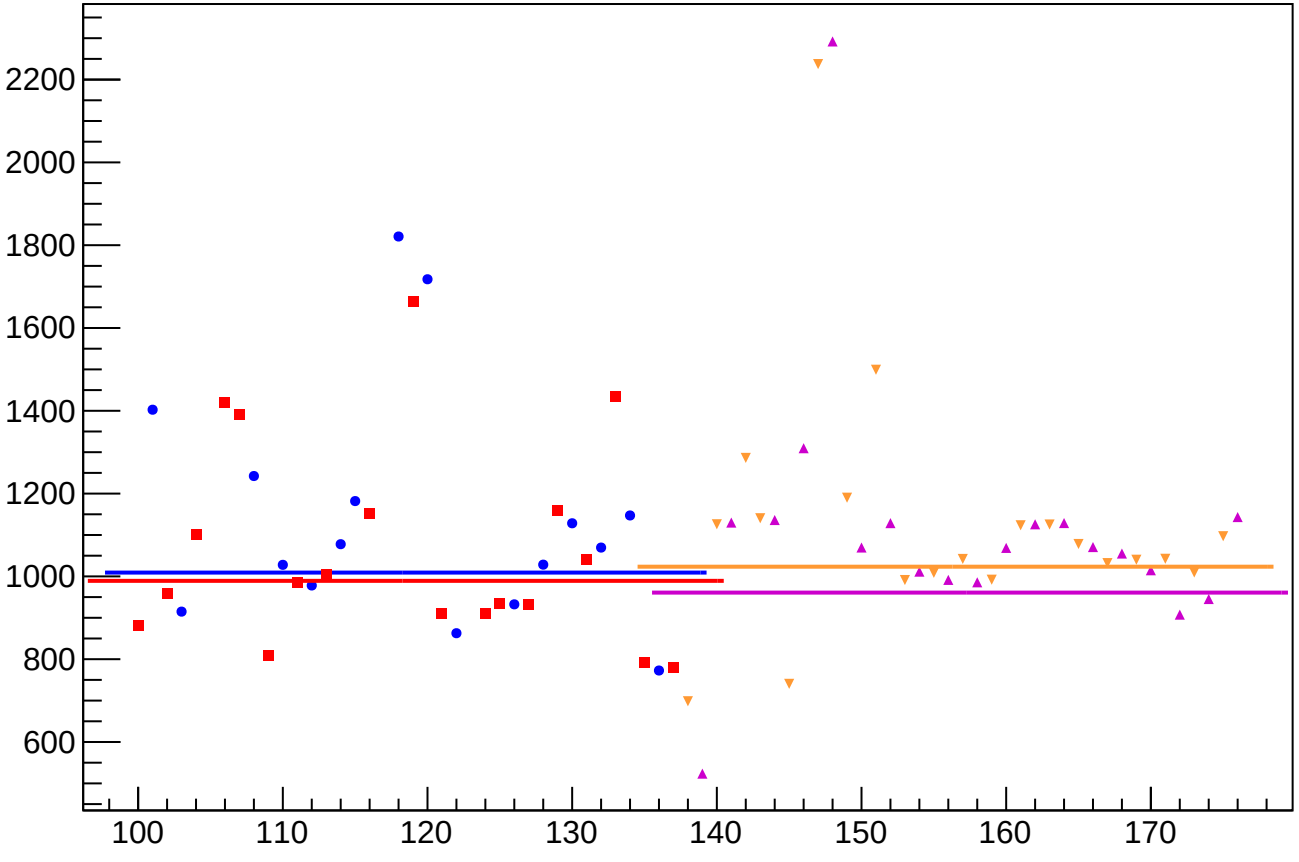
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.070+/-0.213 χ^2/NDF:19.5/34

Out: -0.082+/-0.216 χ^2/NDF:38.8/38

All: -0.005+/-0.152 χ^2/NDF: 58.5/73

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1023.436+/-0.188 χ^2/NDF:1270566.7/19

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 960.850+/-0.181 χ^2/NDF:2109947.5/18

Left: 990.874+/-0.130 χ^2/NDF: 3438087.4/38

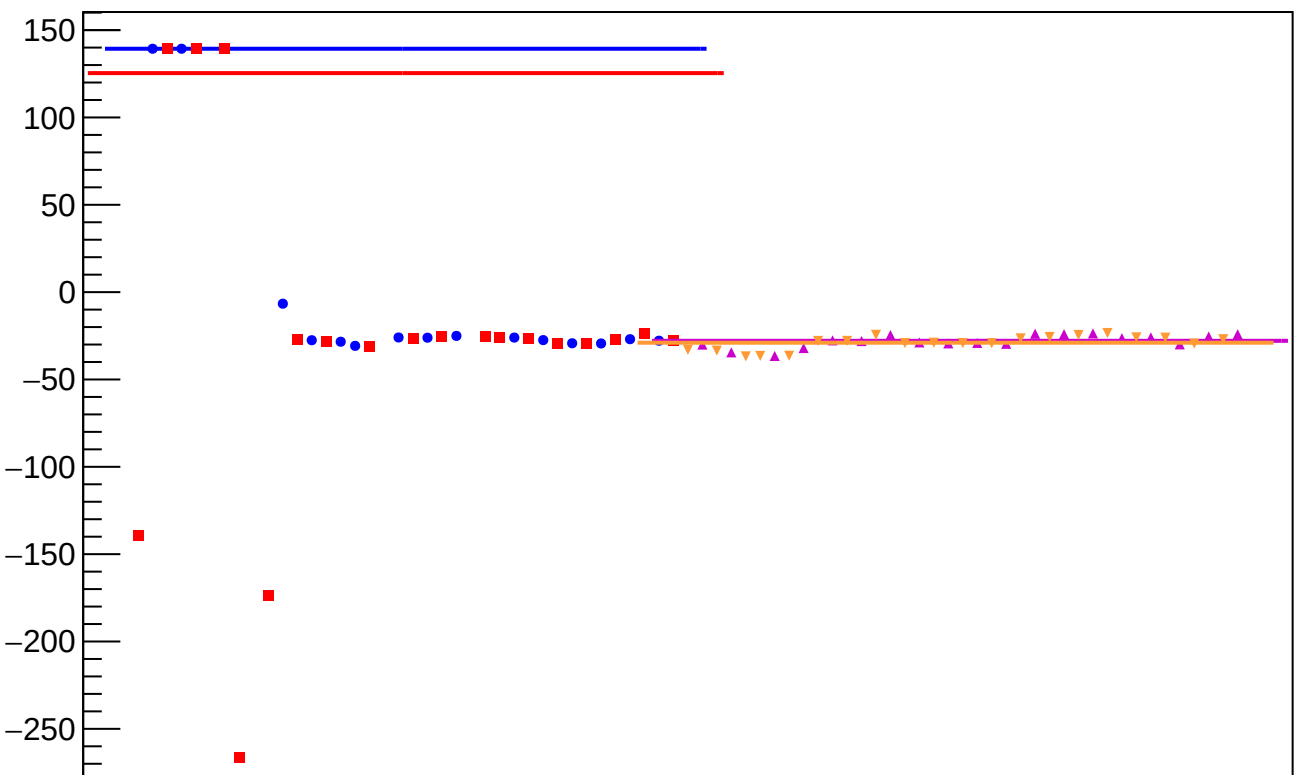
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 975.570+/-0.151 χ^2/NDF:2831066.5/34

Out: 1011.874+/-0.153 χ^2/NDF:1857494.2/38

All: 993.438+/-0.107 χ^2/NDF: 4717130.7/73

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.957+/-0.000 χ^2/NDF:137086866.6/19

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -27.868+/-0.000 χ^2/NDF:112346880.6/18

Left: -28.411+/-0.000 χ^2/NDF: 253926990.8/38

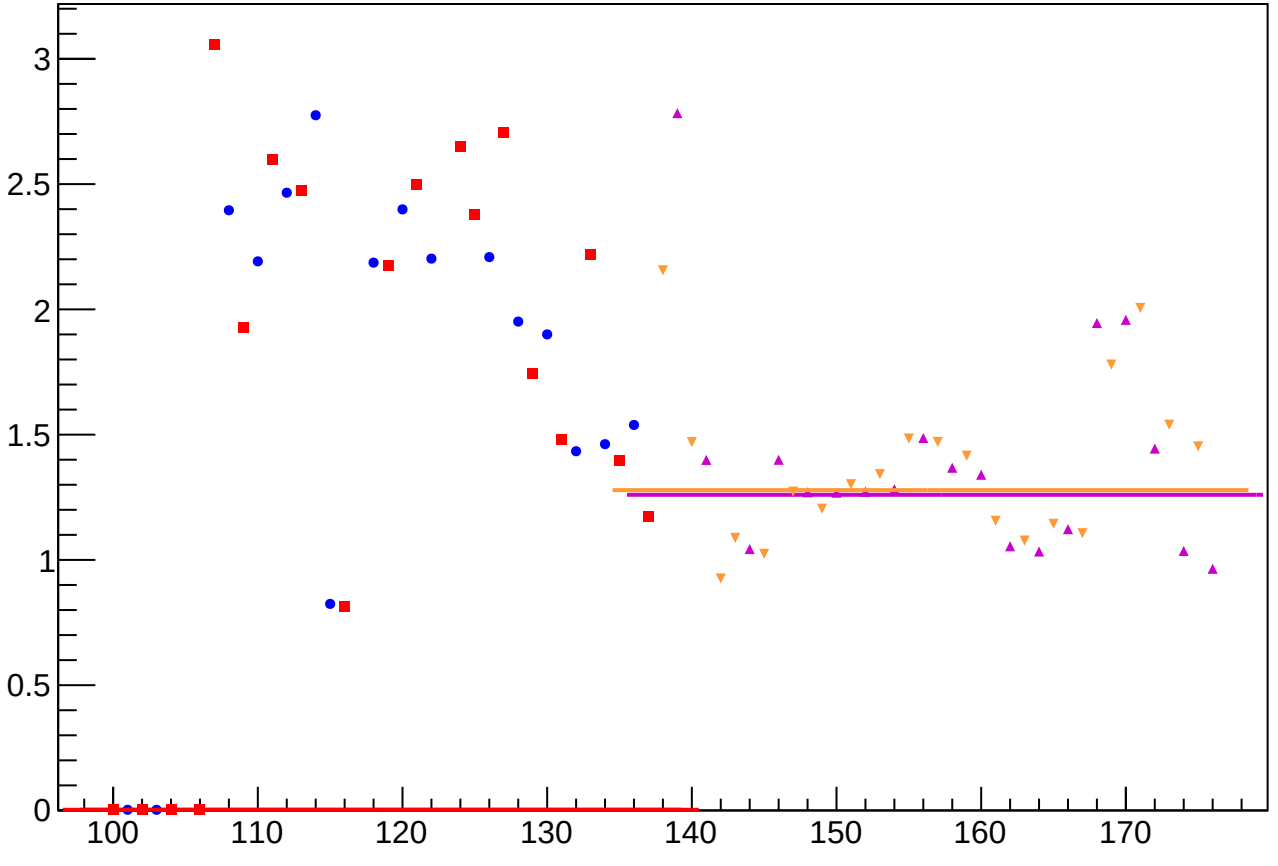
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.330+/-0.000 χ^2/NDF:259867346193.2/34

Out: 125.386+/-0.000 χ^2/NDF:774353292692540.

All: 131.812+/-0.000 χ^2/NDF: 793394560072

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.279+/-0.000 χ^2/NDF:954553.7/19

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.260+/-0.000 χ^2/NDF:1269749.1/18

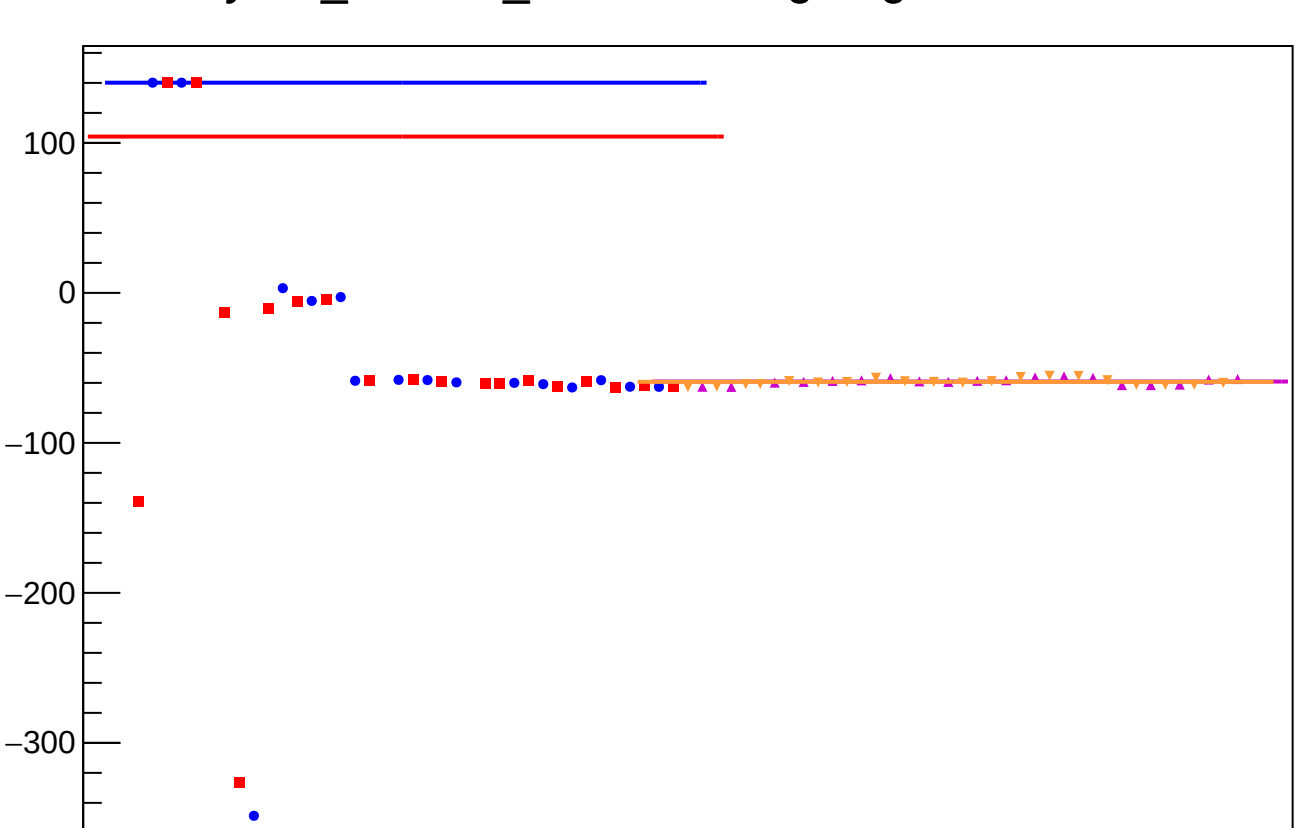
Left: 1.269+/-0.000 χ^2/NDF: 2226930.7/38

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

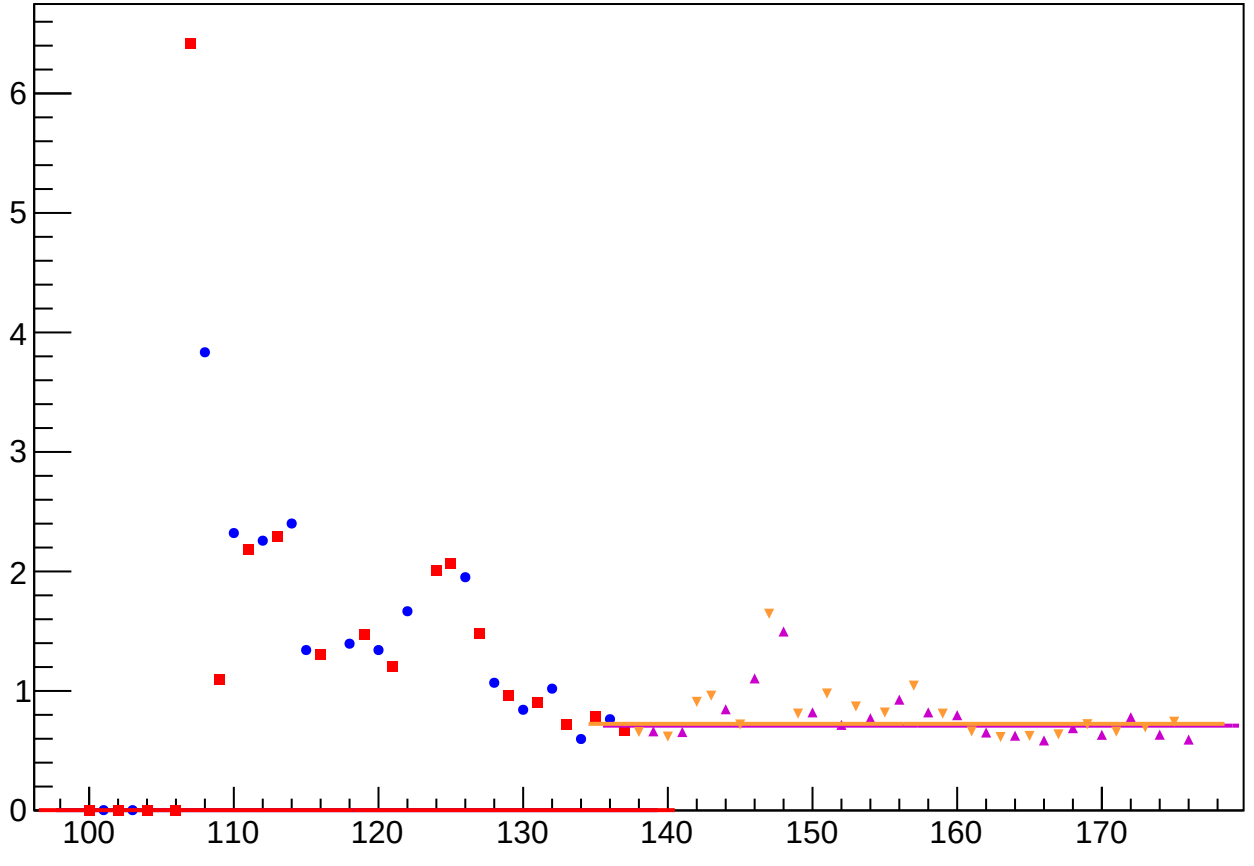
In: 0.003+/-0.000 χ^2/NDF:34886430.6/34

Out: 0.003+/-0.000 χ^2/NDF:35296135.0/38

All: 0.003+/-0.000 χ^2/NDF: 70182847.6/73


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.300+/-0.000 χ²/NDF:149432856.5/19
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -59.098+/-0.000 χ²/NDF:133093622.2/18
Left: -59.197+/-0.000 χ²/NDF: 283031419.1/38
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.115+/-0.000 χ²/NDF:1191032603038.4/34
Out: 104.205+/-0.000 χ²/NDF:125805672718202
All: 120.808+/-0.000 χ²/NDF: 13825087619

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.725+/-0.000 χ^2/NDF:1031864.8/19

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.710+/-0.000 χ^2/NDF:931618.0/18

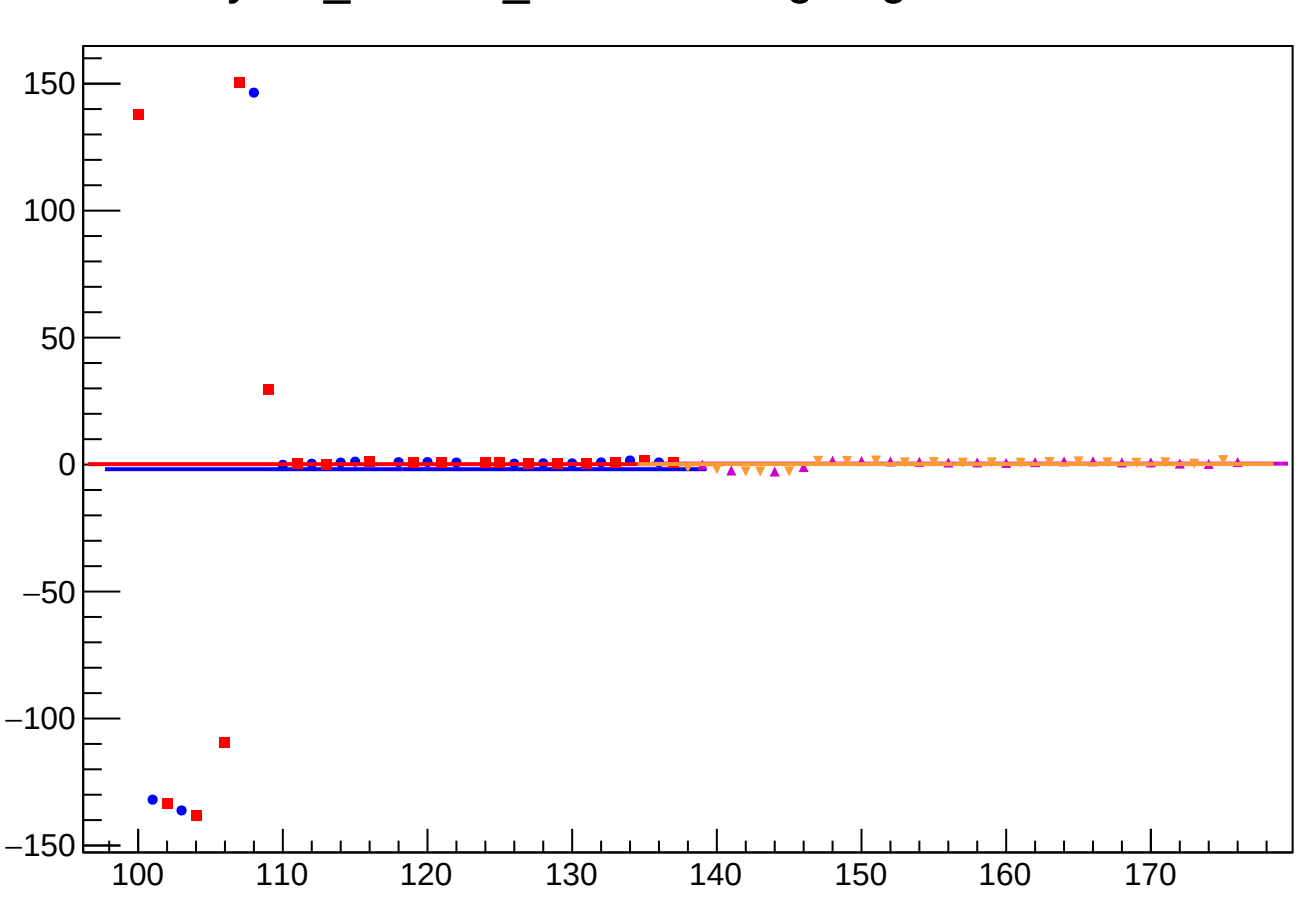
Left: 0.717+/-0.000 χ^2/NDF: 1969232.9/38

Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

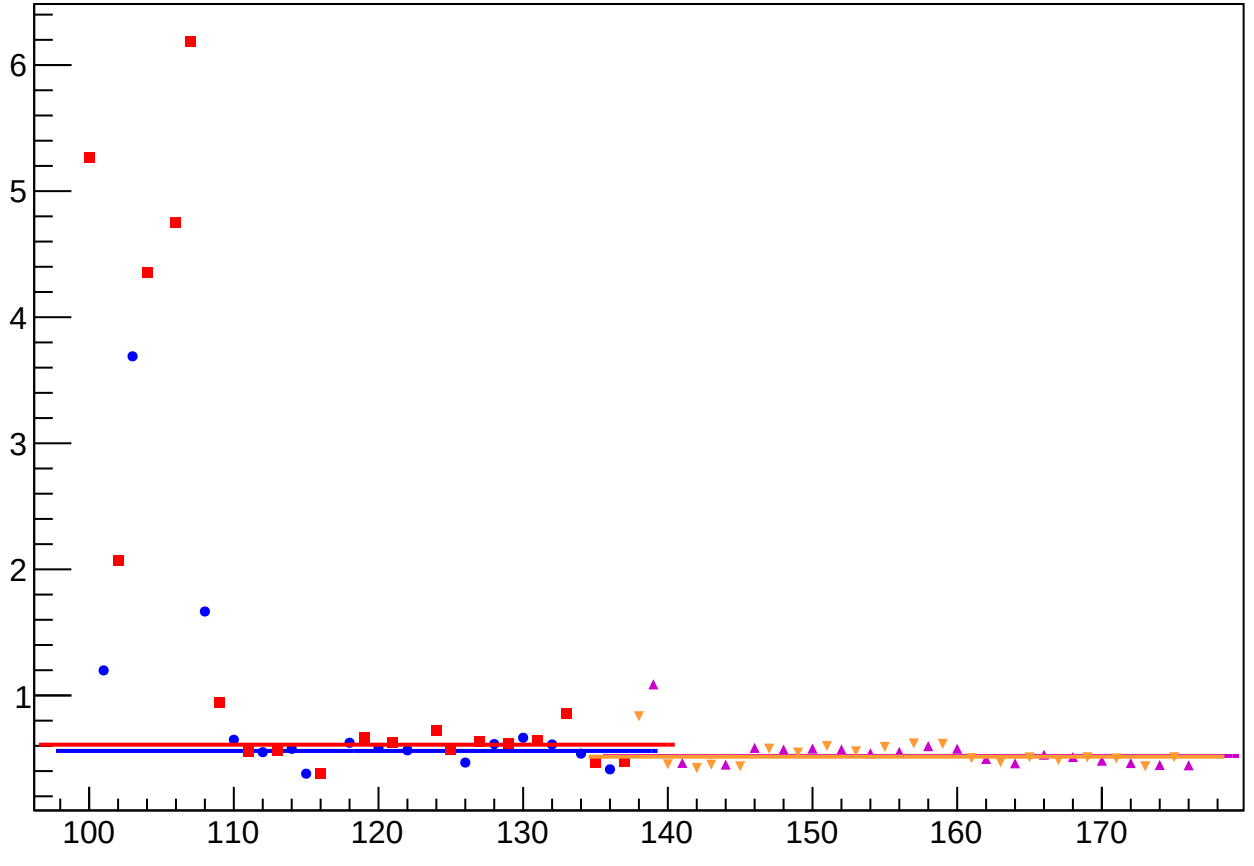
In: 0.003+/-0.000 χ^2/NDF:36776310.0/34

Out: 0.003+/-0.000 χ^2/NDF:36837588.6/38

All: 0.003+/-0.000 χ^2/NDF: 73614336.9/73


yield_cav4cX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -1.818+/-0.000 χ²/NDF: 9887177310.2/15
Left Out: 0.197+/-0.000 χ²/NDF:107225910.2/19
Right Out: 0.165+/-0.000 χ²/NDF: 3611245020.0/18
Left In: 0.381+/-0.000 χ²/NDF:71300403.0/18
Left: 0.287+/-0.000 χ²/NDF: 179317163.7/38
Right: -0.919+/-0.000 χ²/NDF: 13527173630.8/34
In: -0.191+/-0.000 χ²/NDF:10016161962.6/34
Out: 0.190+/-0.000 χ²/NDF:3718481826.2/38
All: -0.002+/-0.000 χ²/NDF: 13739121291.0/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.514+/-0.000 χ^2/NDF:518646.8/19

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.520+/-0.000 χ^2/NDF:718777.7/18

Left: 0.517+/-0.000 χ^2/NDF: 1238933.8/38

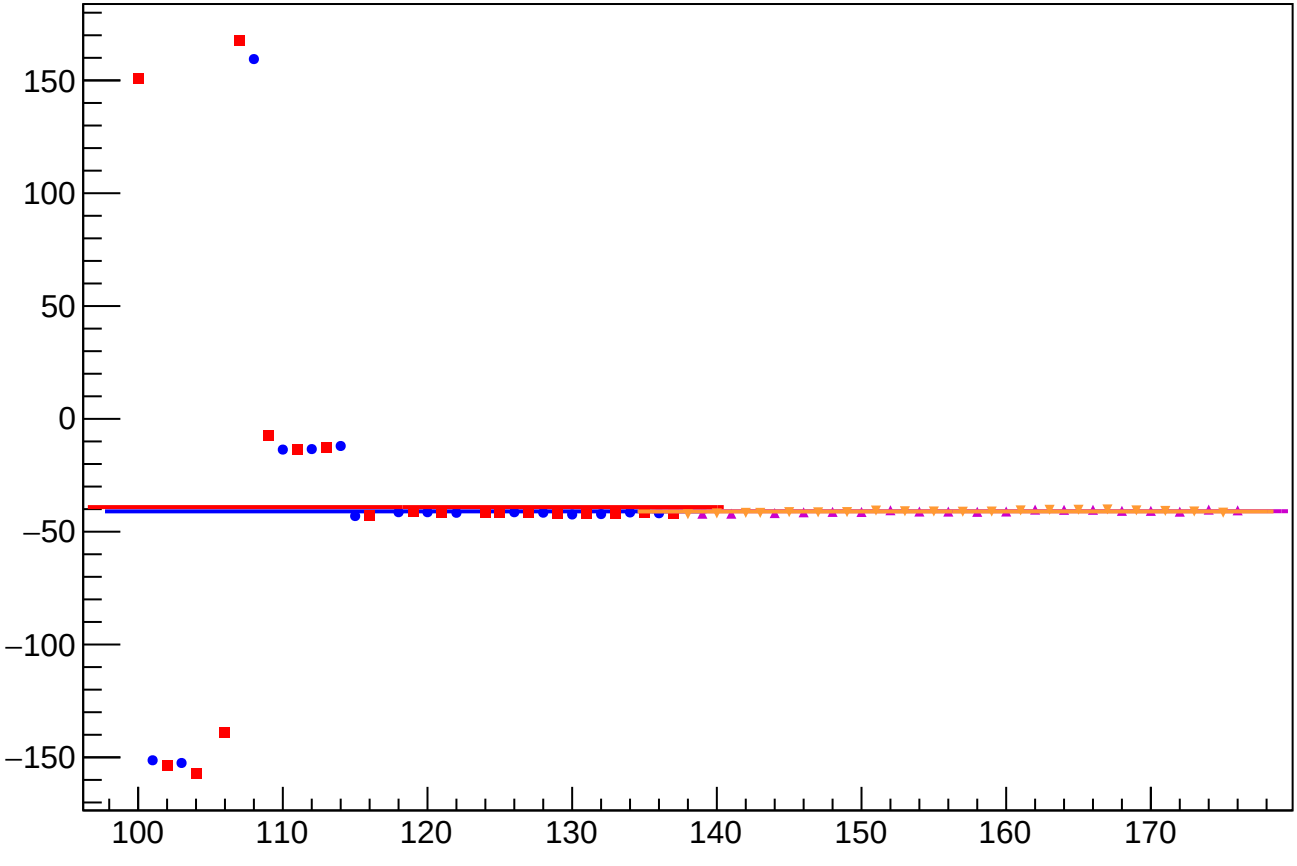
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.530+/-0.000 χ^2/NDF:2355239.1/34

Out: 0.535+/-0.000 χ^2/NDF:3183847.5/38

All: 0.533+/-0.000 χ^2/NDF: 5540468.6/73

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.026+/-0.000 χ^2/NDF:33331789.4/19

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.925+/-0.000 χ^2/NDF:34059053.0/18

Left: -40.976+/-0.000 χ^2/NDF: 68019654.5/38

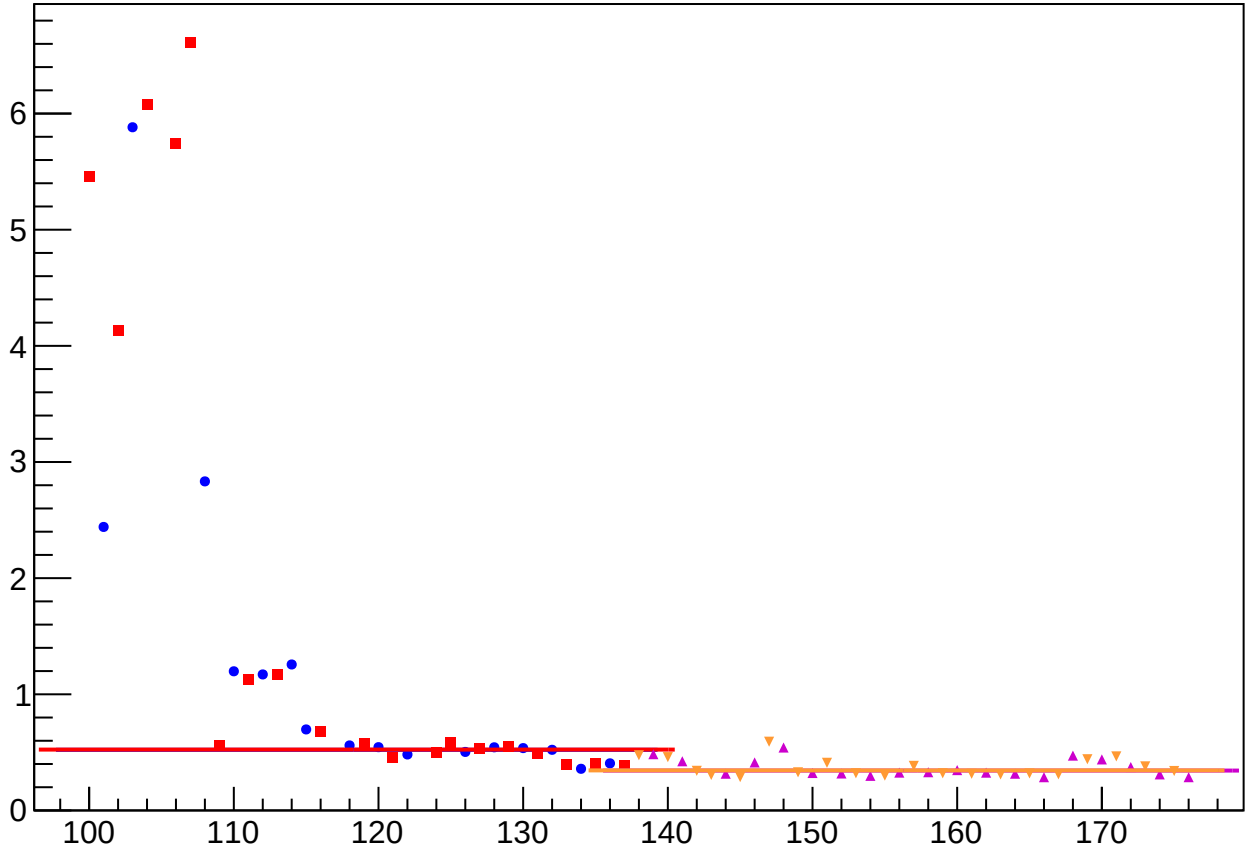
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.933+/-0.000 χ^2/NDF:3483743469.7/34

Out: -40.781+/-0.000 χ^2/NDF:2571365583.1/38

All: -40.856+/-0.000 χ^2/NDF: 6056729155.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:922266.3/19

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.343+/-0.000 χ^2/NDF:844174.3/18

Left: 0.344+/-0.000 χ^2/NDF: 1766739.4/38

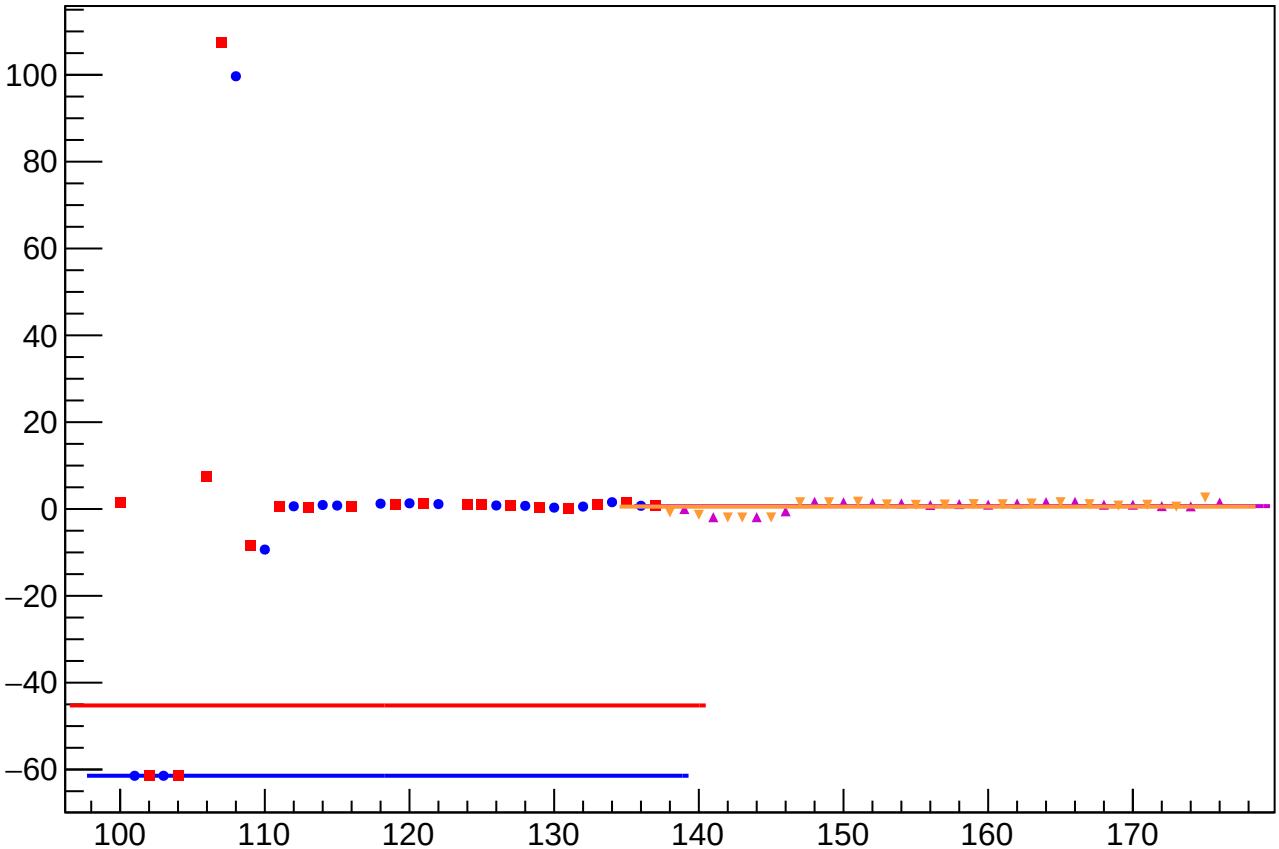
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.367+/-0.000 χ^2/NDF:4815813.5/34

Out: 0.368+/-0.000 χ^2/NDF:5188470.5/38

All: 0.367+/-0.000 χ^2/NDF: 10004368.5/73

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.548+/-0.000 χ^2/NDF:119164996.0/19

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.665+/-0.000 χ^2/NDF:79944604.6/18

Left: 0.605+/-0.000 χ^2/NDF: 199556723.3/38

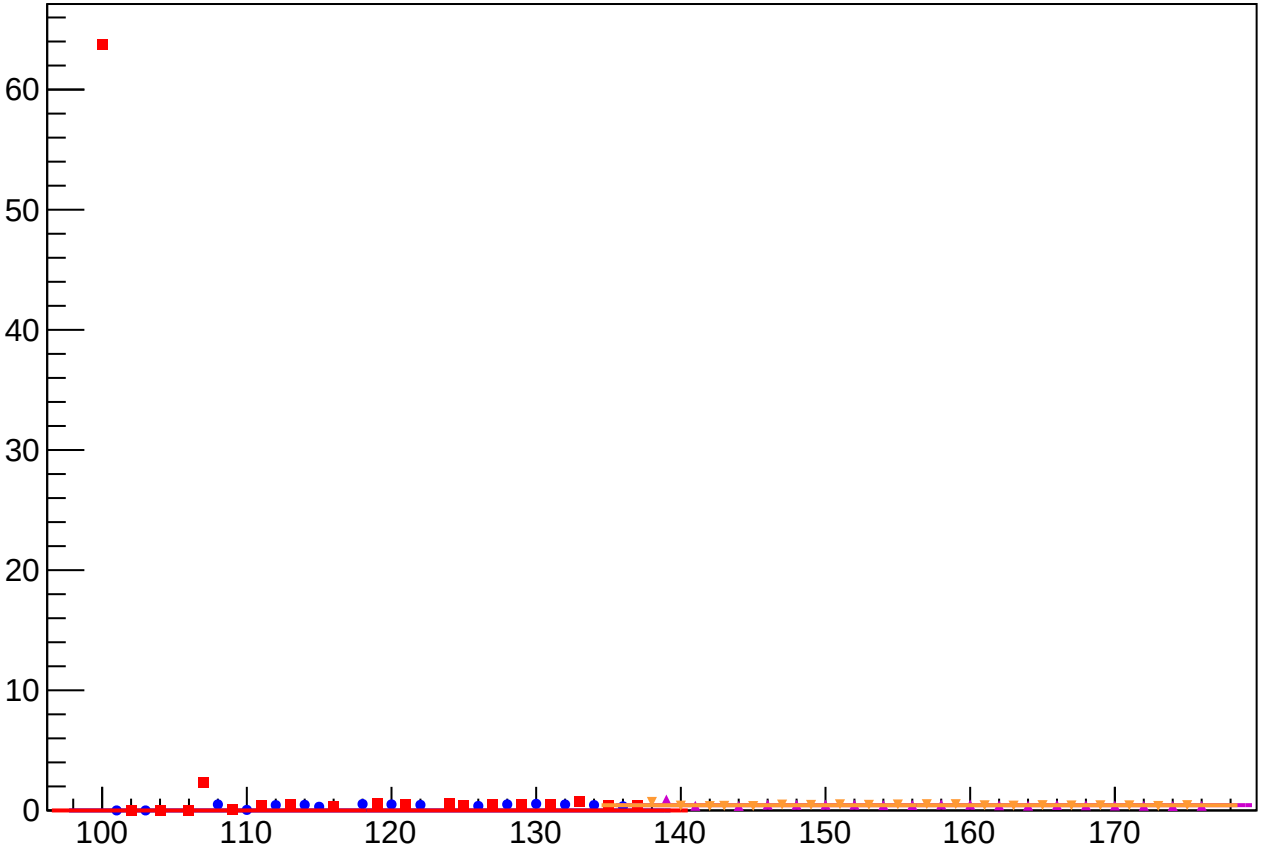
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.425+/-0.000 χ^2/NDF:519986747923.3/34

Out: -45.238+/-0.000 χ^2/NDF:358010844379856.1

All: -52.740+/-0.000 χ^2/NDF: 409494592303

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507775.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.441+/-0.000 χ^2/NDF:684845.9/18

Left: 0.438+/-0.000 χ^2/NDF: 1194963.3/38

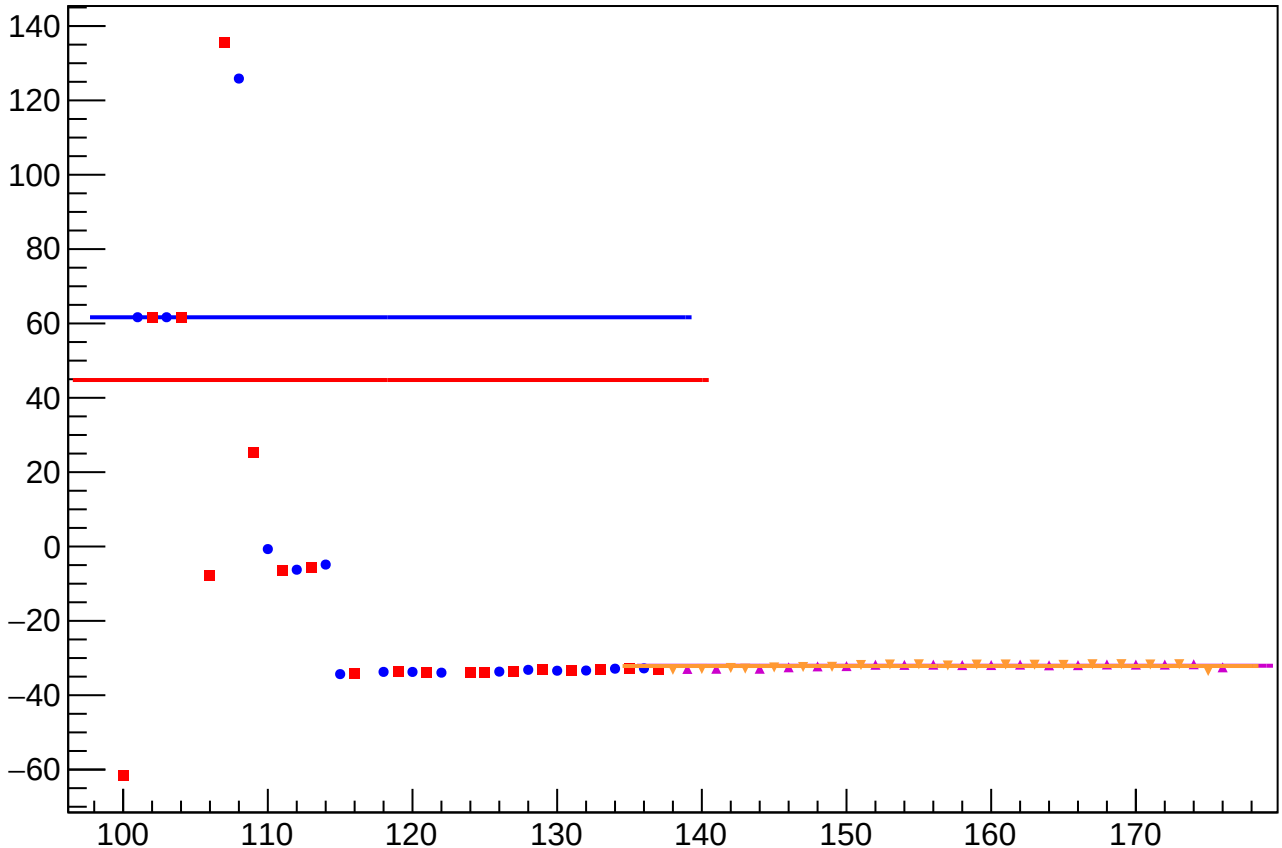
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:34576604.7/34

Out: 0.002+/-0.000 χ^2/NDF:35071898.7/38

All: 0.002+/-0.000 χ^2/NDF: 69648547.9/73

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.148+/-0.000 χ^2/NDF:56907892.4/19

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.070+/-0.000 χ^2/NDF:31145675.9/18

Left: -32.109+/-0.000 χ^2/NDF: 88588380.7/38

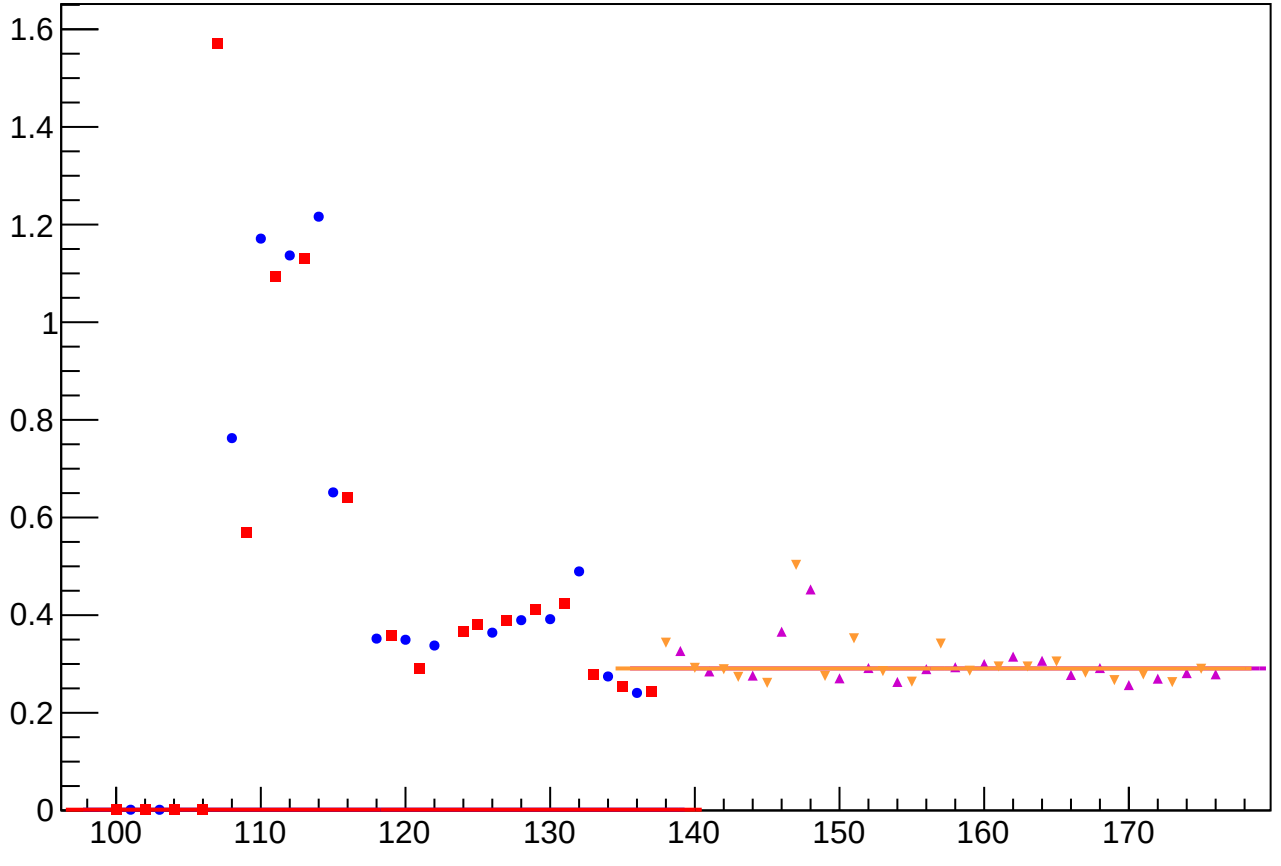
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.613+/-0.000 χ^2/NDF:1901962211725.1/34

Out: 44.750+/-0.000 χ^2/NDF:367147479032830.7

All: 52.647+/-0.000 χ^2/NDF: 4201012838877

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489299.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:383553.6/18

Left: 0.291+/-0.000 χ^2/NDF: 872853.4/38

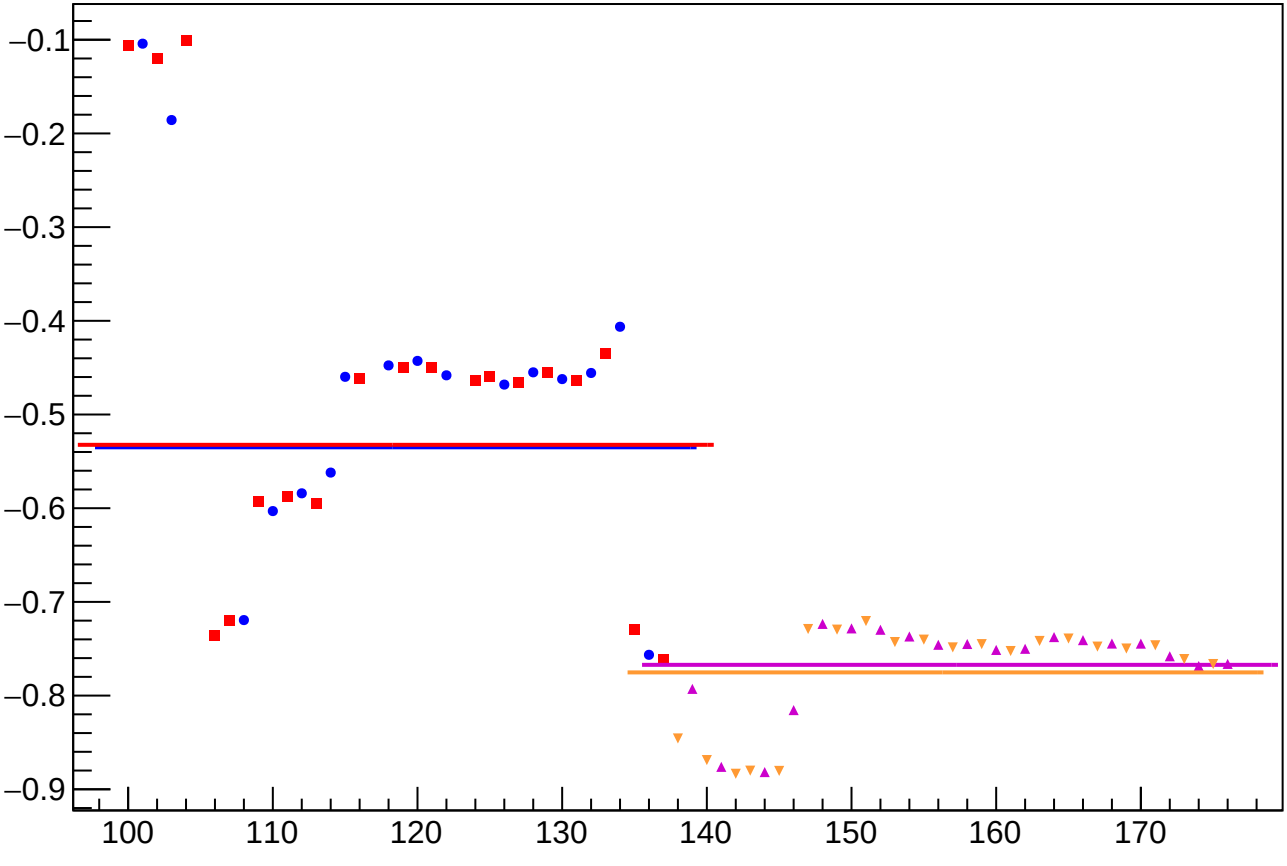
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:40619559.1/34

Out: 0.002+/-0.000 χ^2/NDF:40818398.0/38

All: 0.002+/-0.000 χ^2/NDF: 81437961.8/73

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112018149.9/19

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.767+/-0.000 χ^2/NDF:77630111.0/18

Left: -0.771+/-0.000 χ^2/NDF: 190794176.7/38

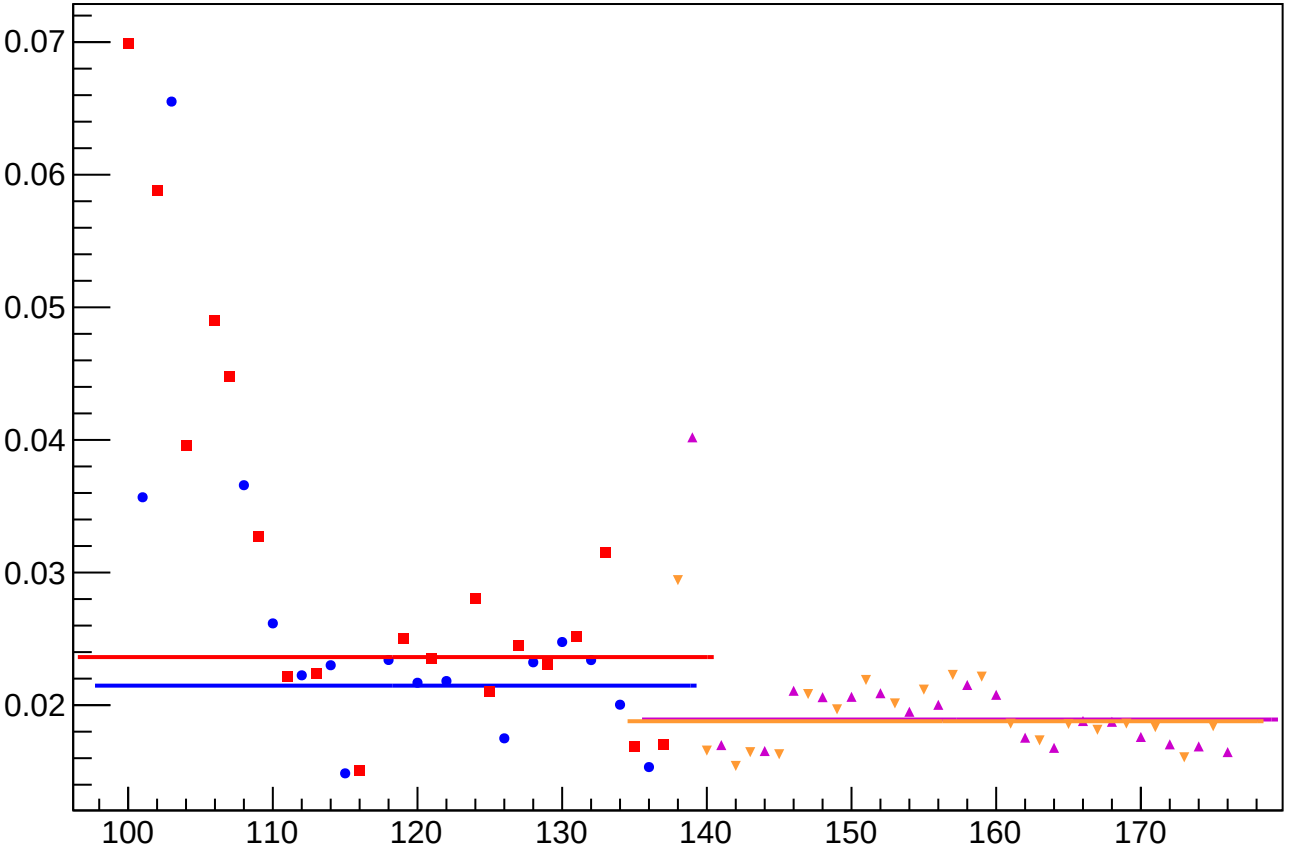
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.709+/-0.000 χ^2/NDF:847576373.6/34

Out: -0.722+/-0.000 χ^2/NDF:787211265.9/38

All: -0.715+/-0.000 χ^2/NDF: 1638980310.7/7

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:452026.8/19

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:691177.0/18

Left: 0.019+/-0.000 χ^2/NDF: 1143788.6/38

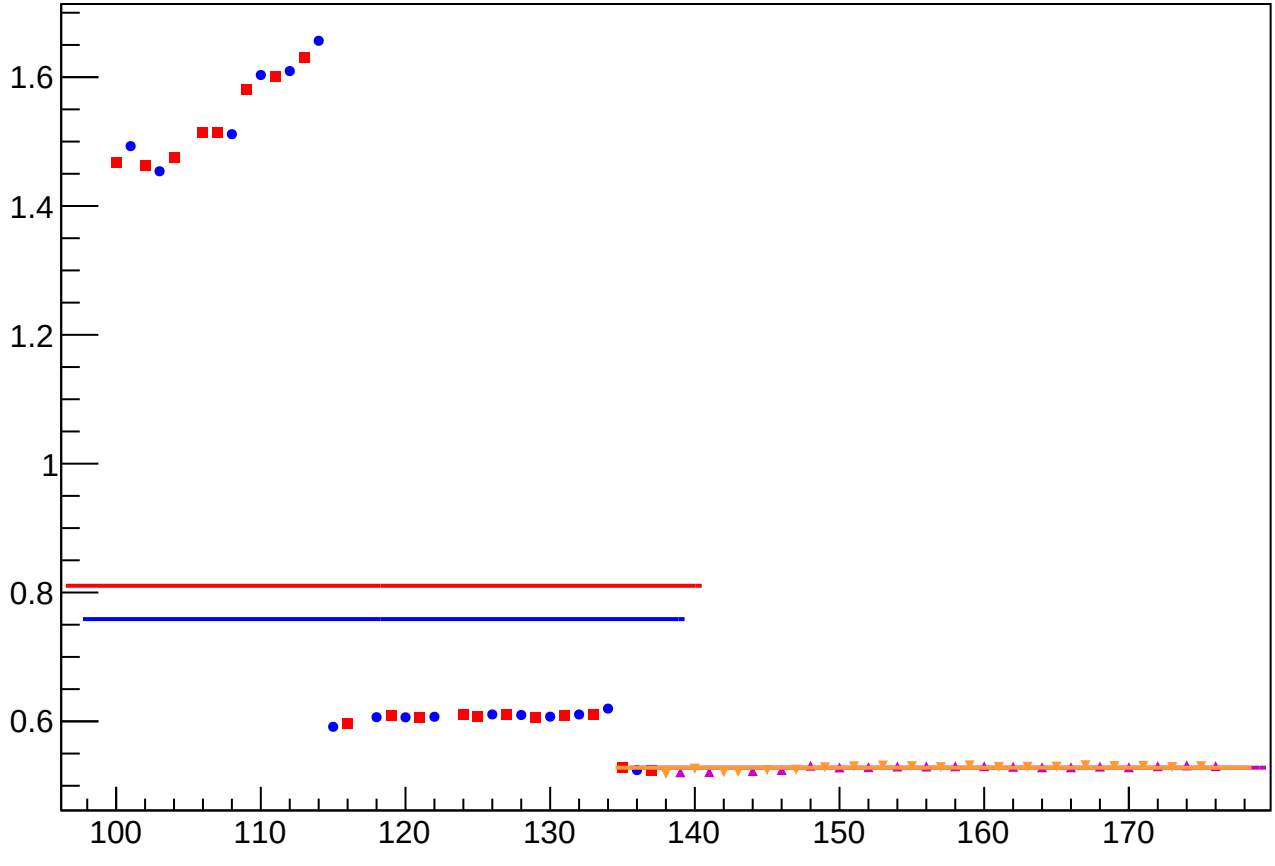
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1958783.7/34

Out: 0.020+/-0.000 χ^2/NDF:2095057.9/38

All: 0.020+/-0.000 χ^2/NDF: 4057540.1/73

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1439354.6/19

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:1148754.3/18

Left: 0.528+/-0.000 χ^2/NDF: 2588129.7/38

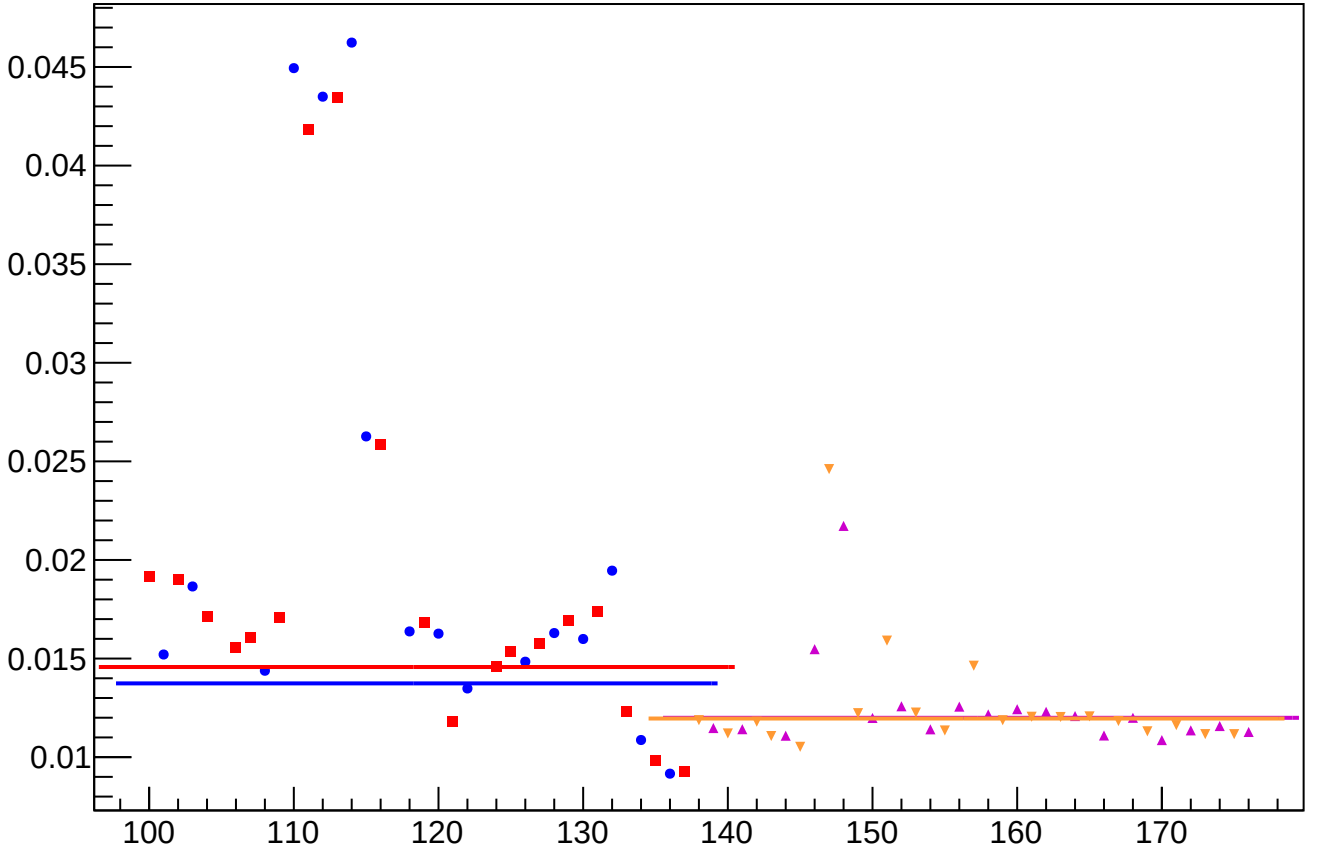
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.582+/-0.000 χ^2/NDF:5589561256.3/34

Out: 0.590+/-0.000 χ^2/NDF:6602691621.5/38

All: 0.586+/-0.000 χ^2/NDF: 12196066184.1/7

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:644469.2/19

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:467741.0/18

Left: 0.012+/-0.000 χ^2/NDF: 1112346.3/38

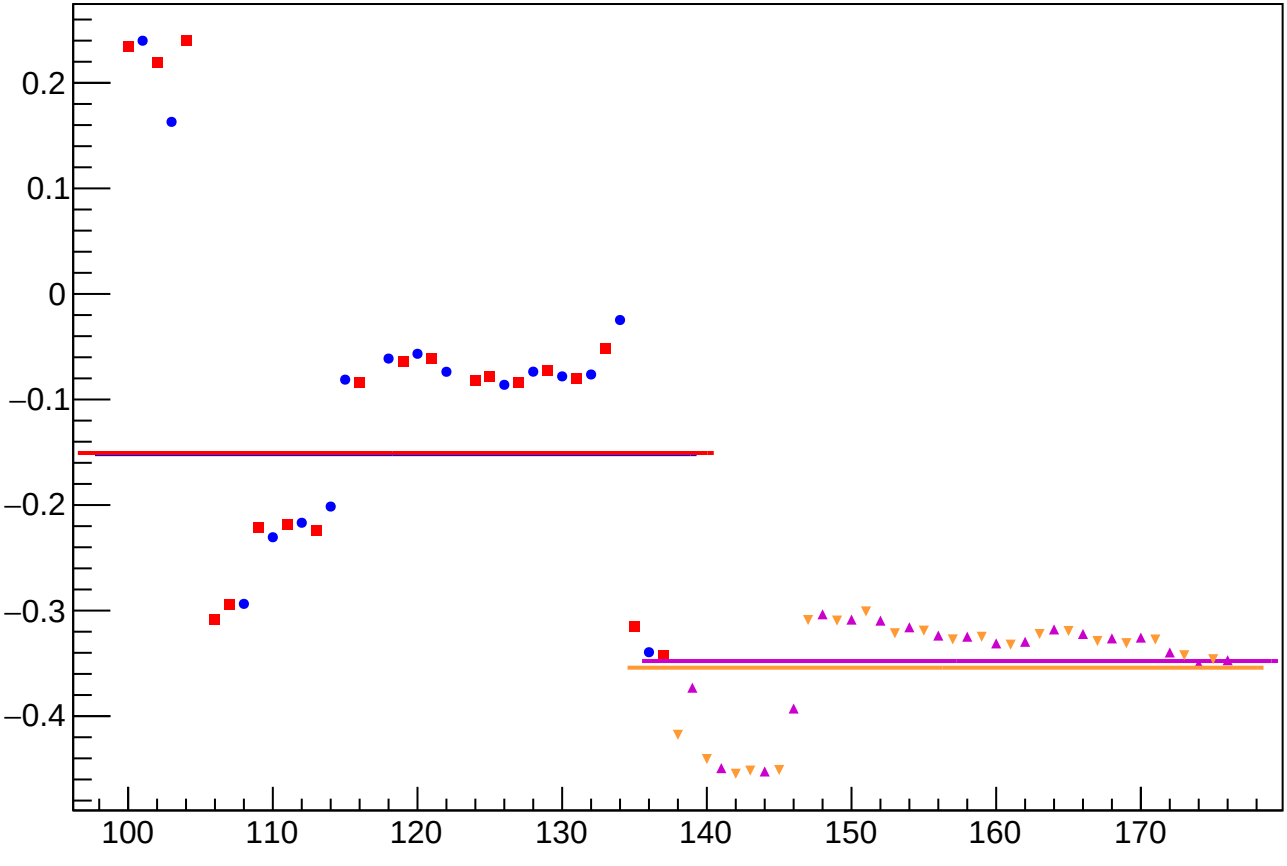
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2264629.3/34

Out: 0.013+/-0.000 χ^2/NDF:2413143.0/38

All: 0.012+/-0.000 χ^2/NDF: 4679851.6/73

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107932361.6/19

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:78131213.7/18

Left: -0.351+/-0.000 χ^2/NDF: 186812066.0/38

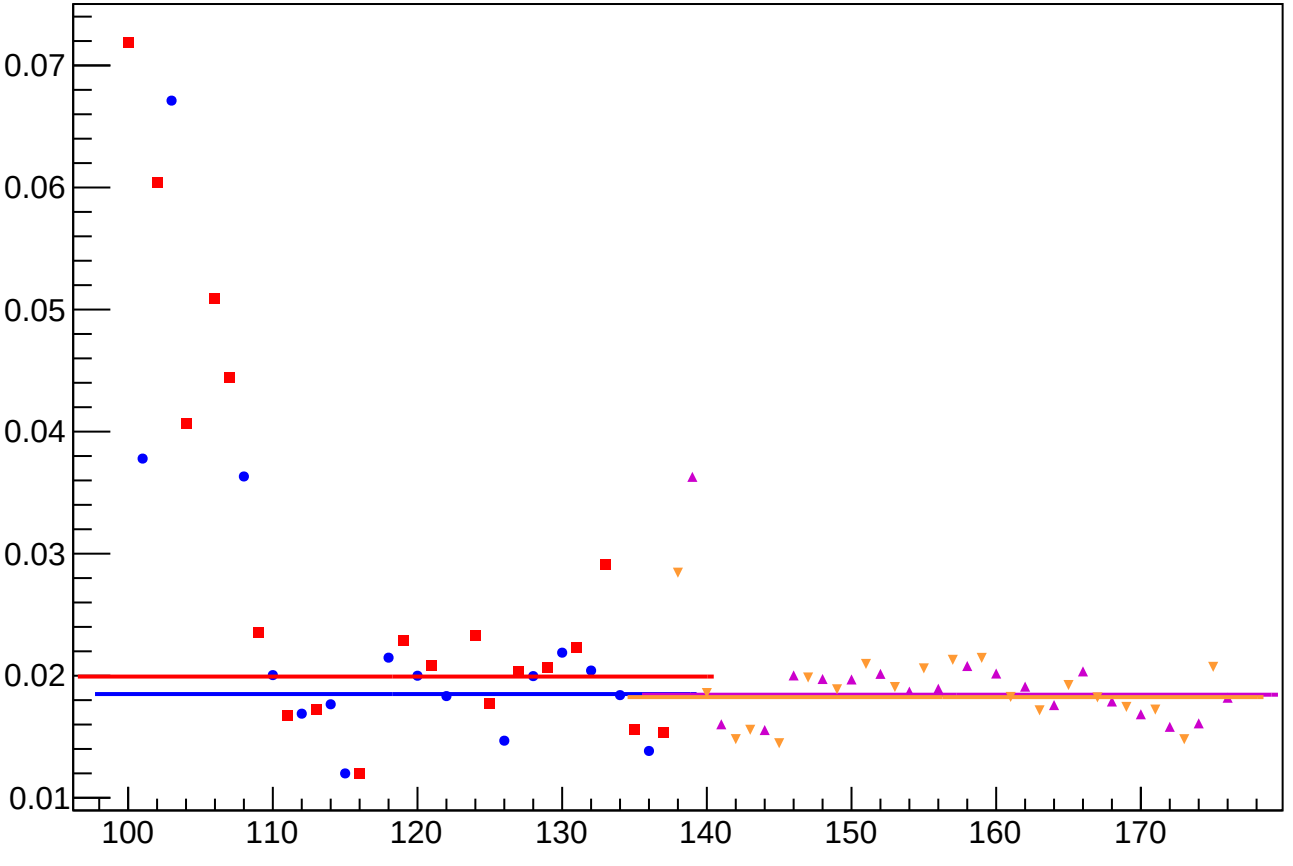
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.290+/-0.000 χ^2/NDF:772472759.2/34

Out: -0.301+/-0.000 χ^2/NDF:725261812.2/38

All: -0.295+/-0.000 χ^2/NDF: 1500644852.6/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:538586.5/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:635060.2/18

Left: 0.018+/-0.000 χ^2/NDF: 1175114.9/38

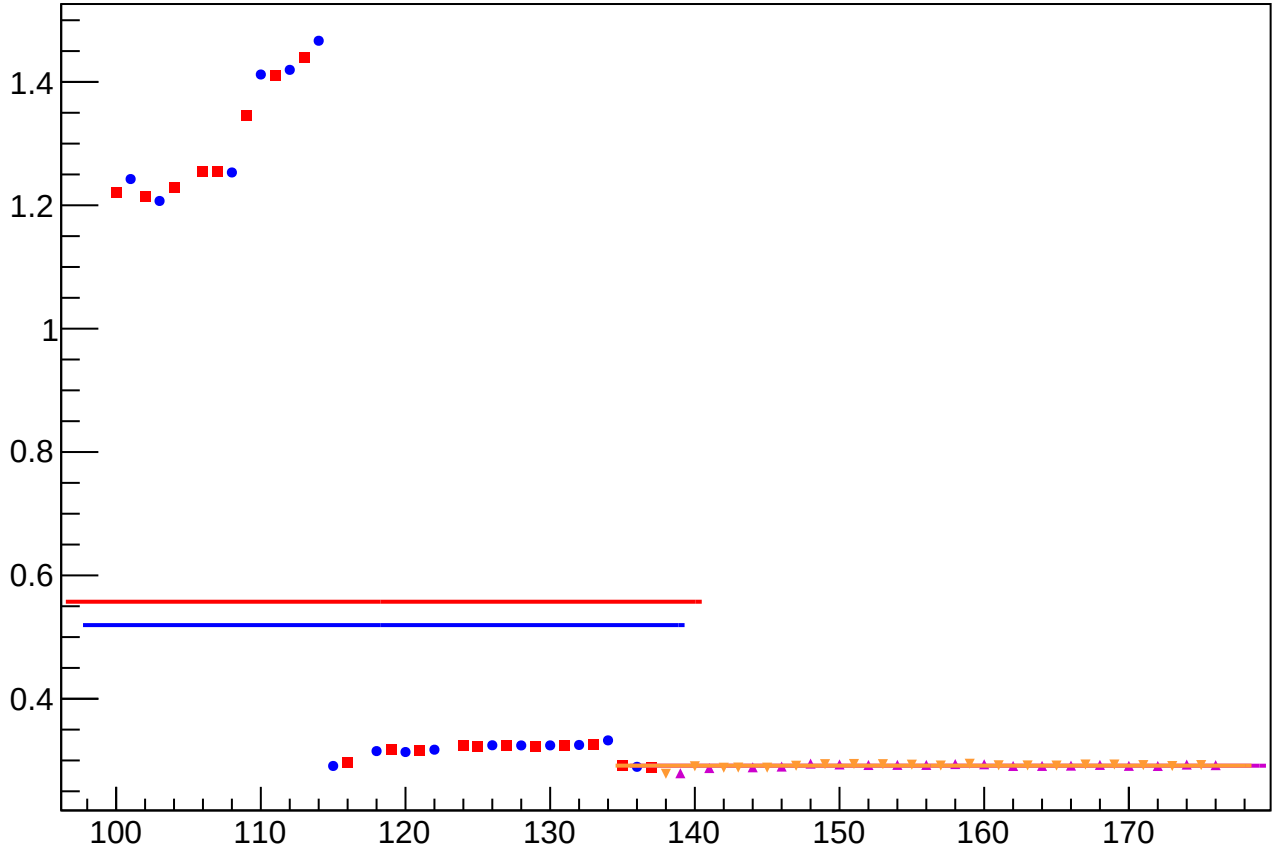
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:2007481.6/34

Out: 0.019+/-0.000 χ^2/NDF:2143447.0/38

All: 0.019+/-0.000 χ^2/NDF: 4153680.8/73

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1209734.0/19

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1220327.7/18

Left: 0.292+/-0.000 χ^2/NDF: 2431030.6/38

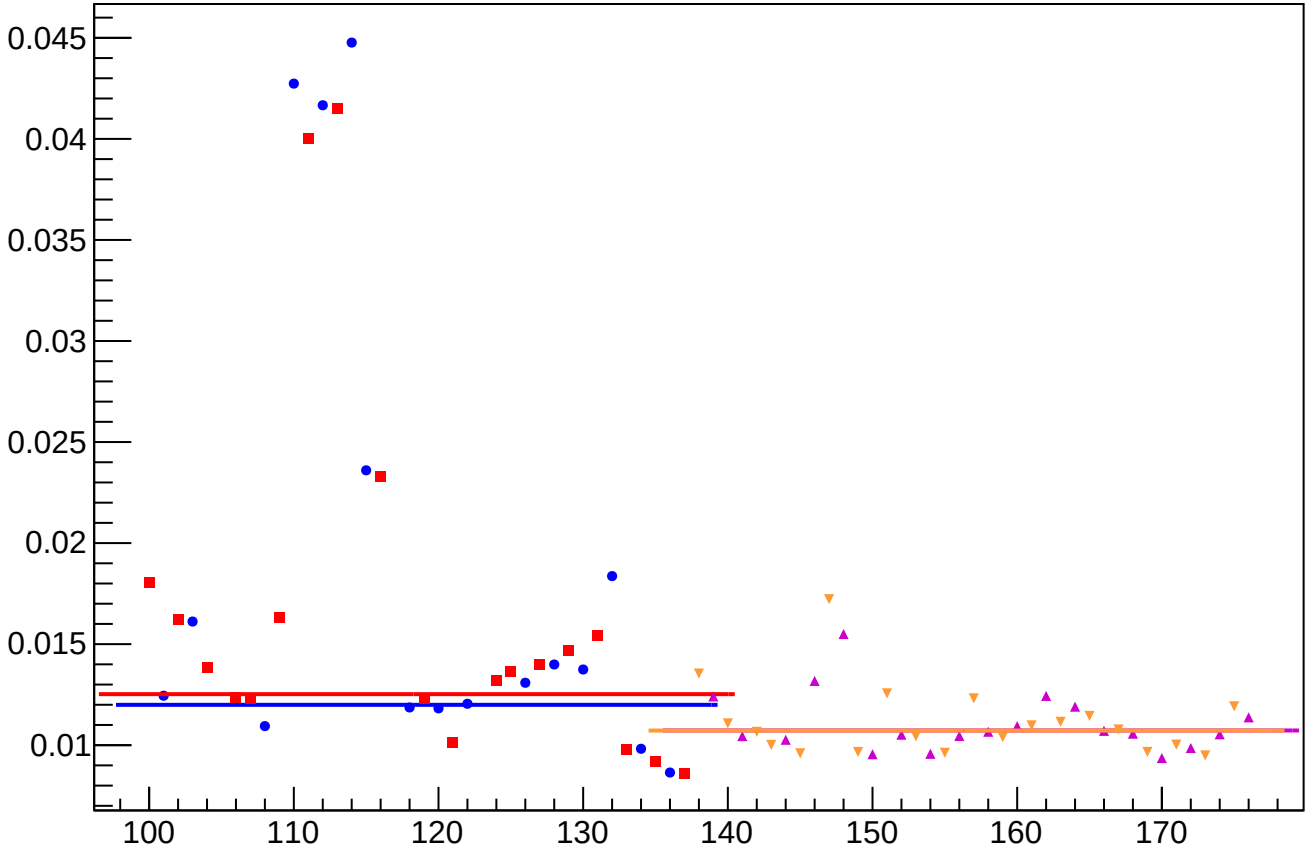
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.347+/-0.000 χ^2/NDF:7946188572.1/34

Out: 0.353+/-0.000 χ^2/NDF:8869224568.8/38

All: 0.350+/-0.000 χ^2/NDF: 16818027307.5/7

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:503306.2/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:388052.1/18

Left: 0.011+/-0.000 χ^2/NDF: 891359.7/38

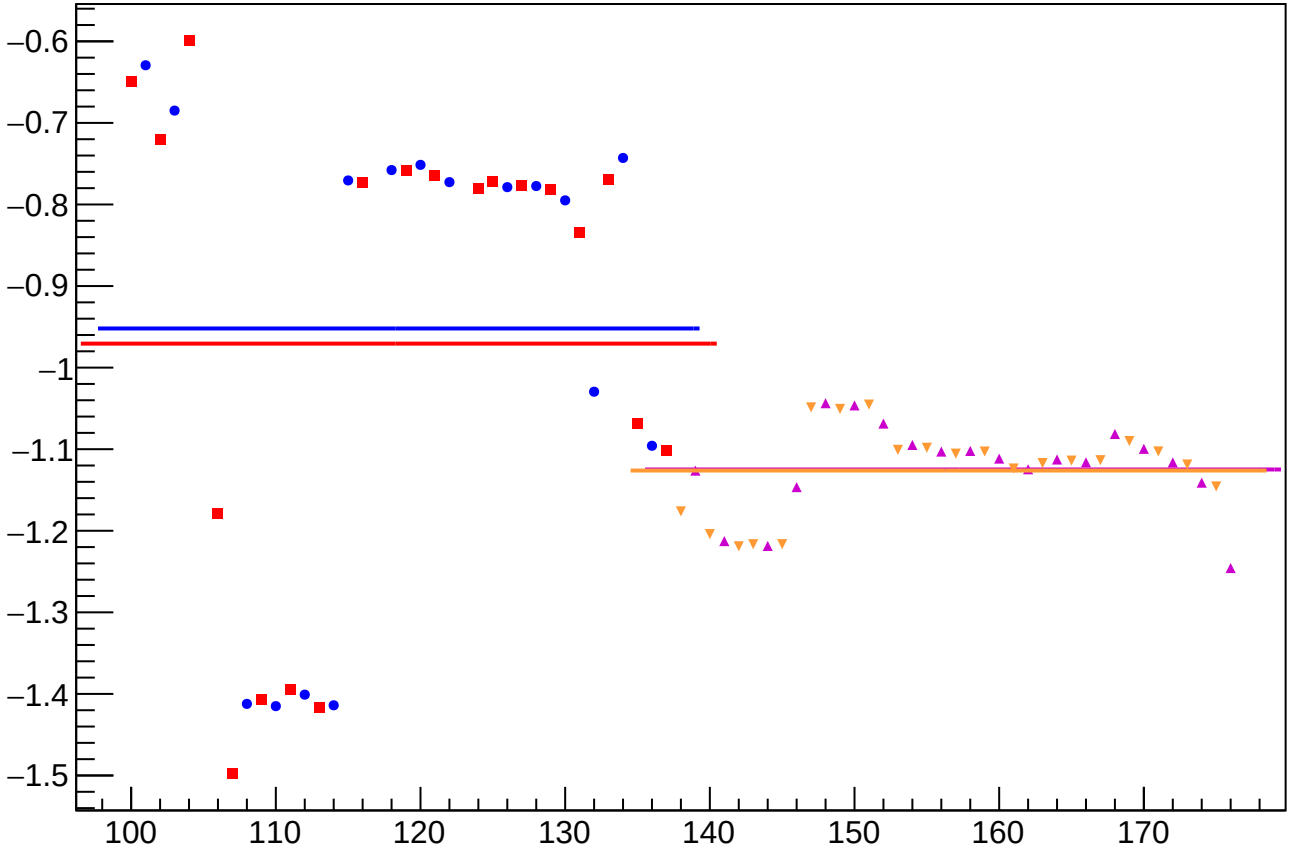
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1980560.8/34

Out: 0.011+/-0.000 χ^2/NDF:2132503.4/38

All: 0.011+/-0.000 χ^2/NDF: 4114786.6/73

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.126+/-0.000 χ^2/NDF:103314751.6/19

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.125+/-0.000 χ^2/NDF:106936172.4/18

Left: -1.126+/-0.000 χ^2/NDF: 210281456.5/38

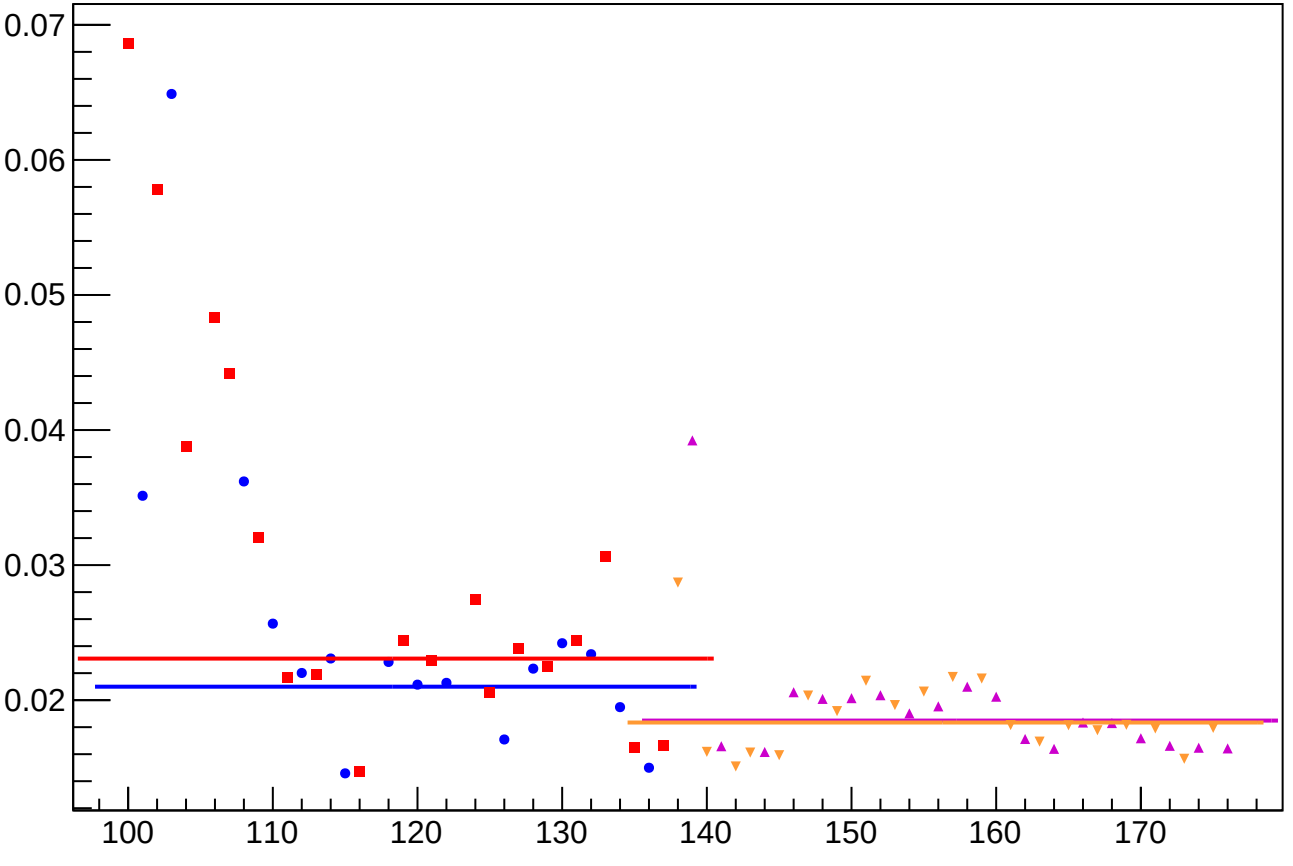
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.081+/-0.000 χ^2/NDF:1078069654.6/34

Out: -1.092+/-0.000 χ^2/NDF:1015530411.0/38

All: -1.087+/-0.000 χ^2/NDF: 2096449870.9/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:449317.7/19

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:682382.2/18

Left: 0.018+/-0.000 χ^2/NDF: 1132457.3/38

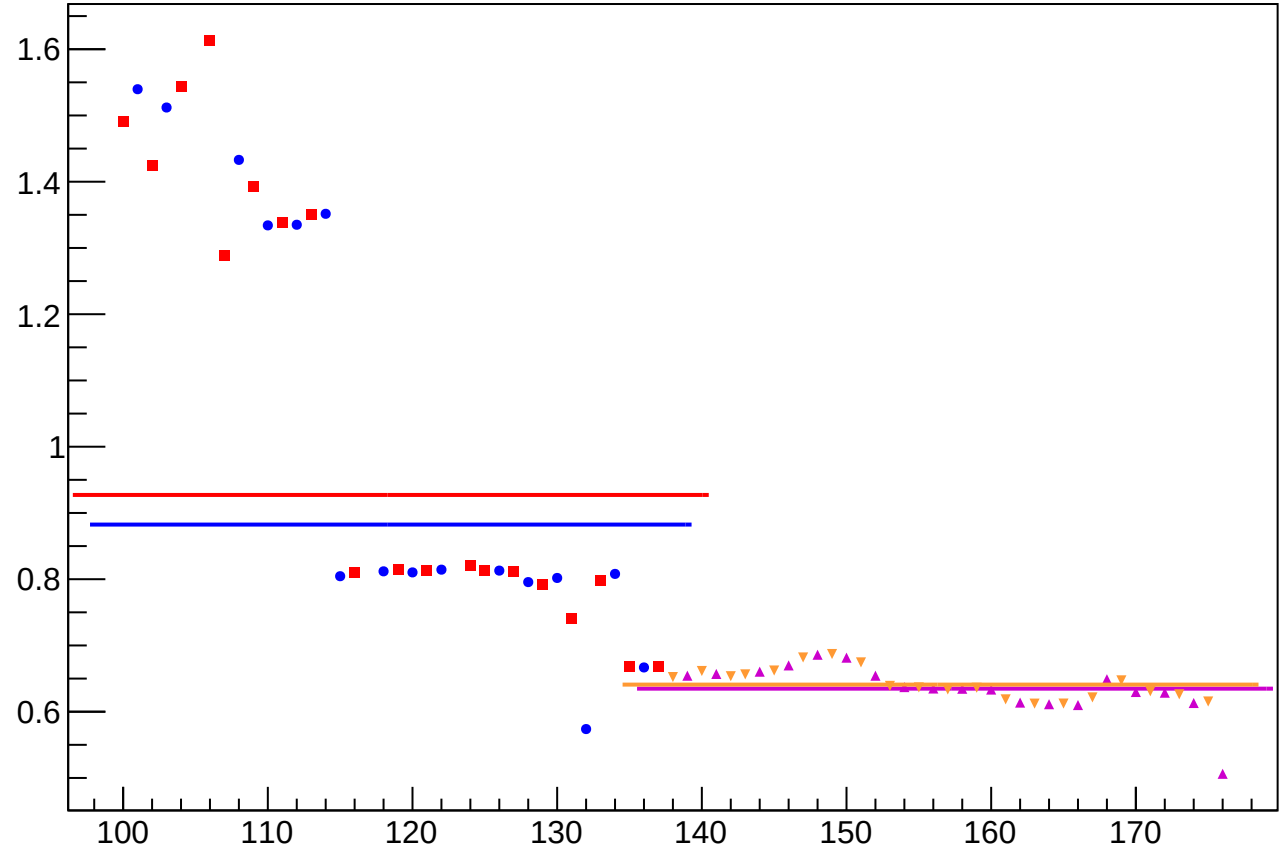
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1963884.0/34

Out: 0.019+/-0.000 χ^2/NDF:2096600.3/38

All: 0.019+/-0.000 χ^2/NDF: 4063621.0/73

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.641+/-0.000 χ^2/NDF:45678265.1/19

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.635+/-0.000 χ^2/NDF:123770445.3/18

Left: 0.638+/-0.000 χ^2/NDF: 171386292.7/38

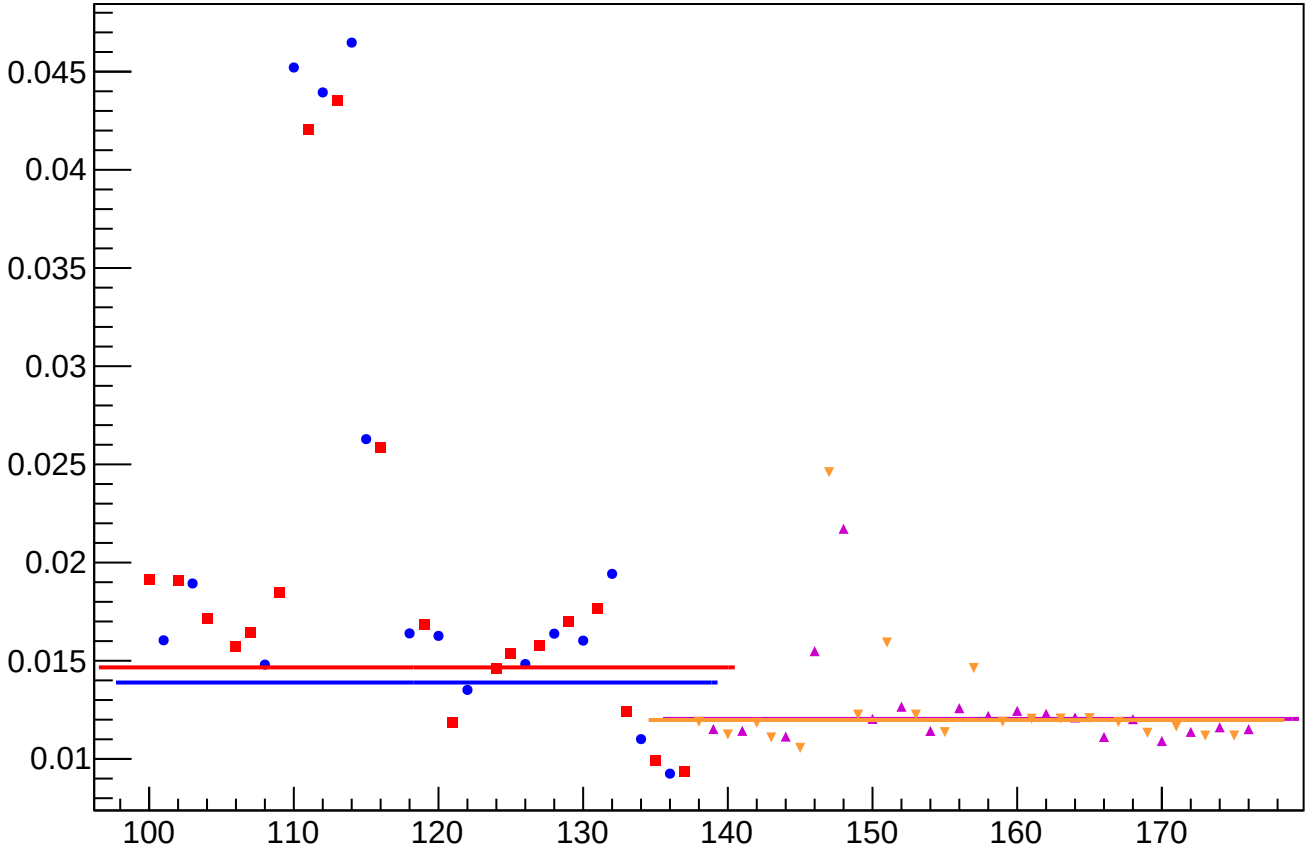
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.692+/-0.000 χ^2/NDF:4356694713.4/34

Out: 0.703+/-0.000 χ^2/NDF:4664222136.0/38

All: 0.697+/-0.000 χ^2/NDF: 9028421234.8/73

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:639088.6/19

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:461076.3/18

Left: 0.012+/-0.000 χ^2/NDF: 1100492.5/38

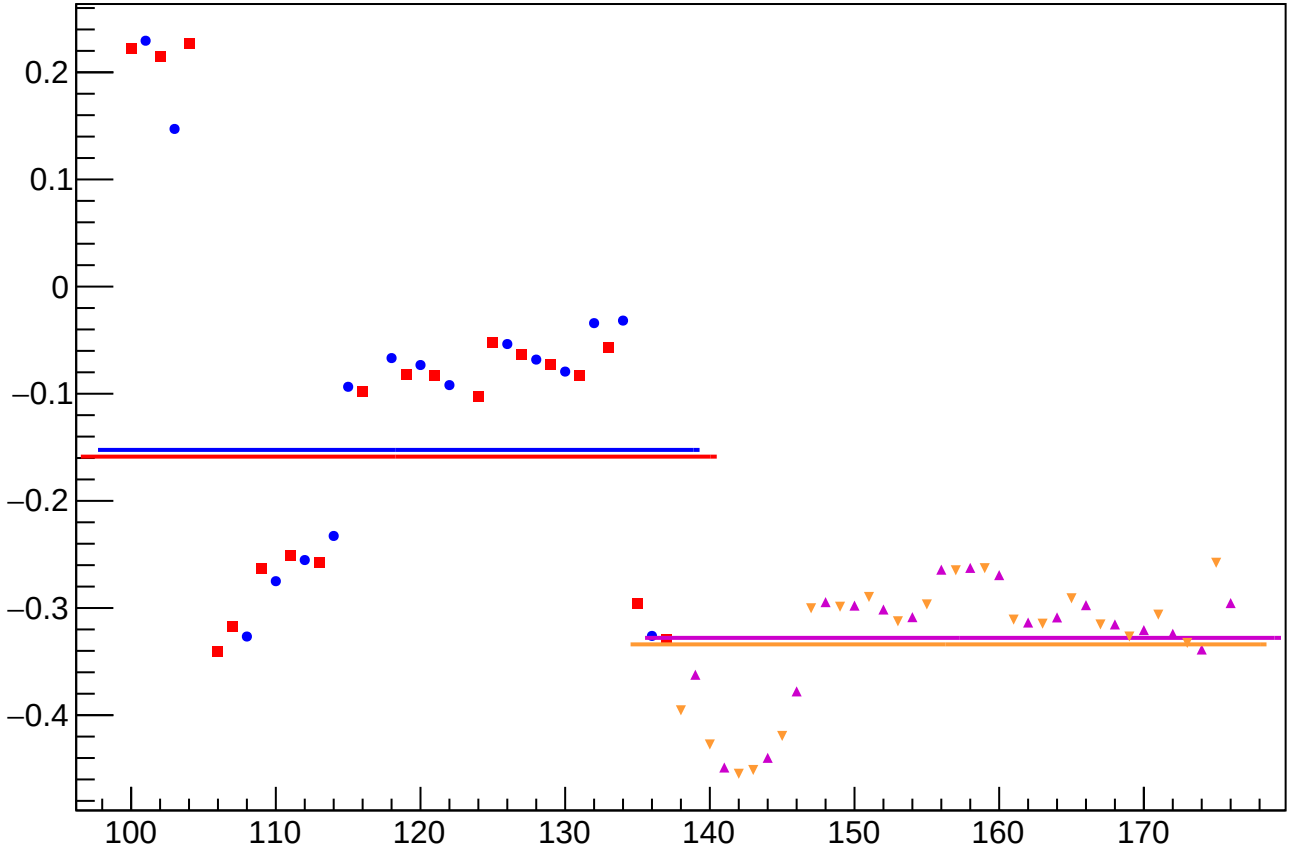
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2269912.5/34

Out: 0.013+/-0.000 χ^2/NDF:2431348.9/38

All: 0.013+/-0.000 χ^2/NDF: 4702425.5/73

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.334+/-0.000 χ^2/NDF:136320762.0/19

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.328+/-0.000 χ^2/NDF:106058521.9/18

Left: -0.331+/-0.000 χ^2/NDF: 243073206.3/38

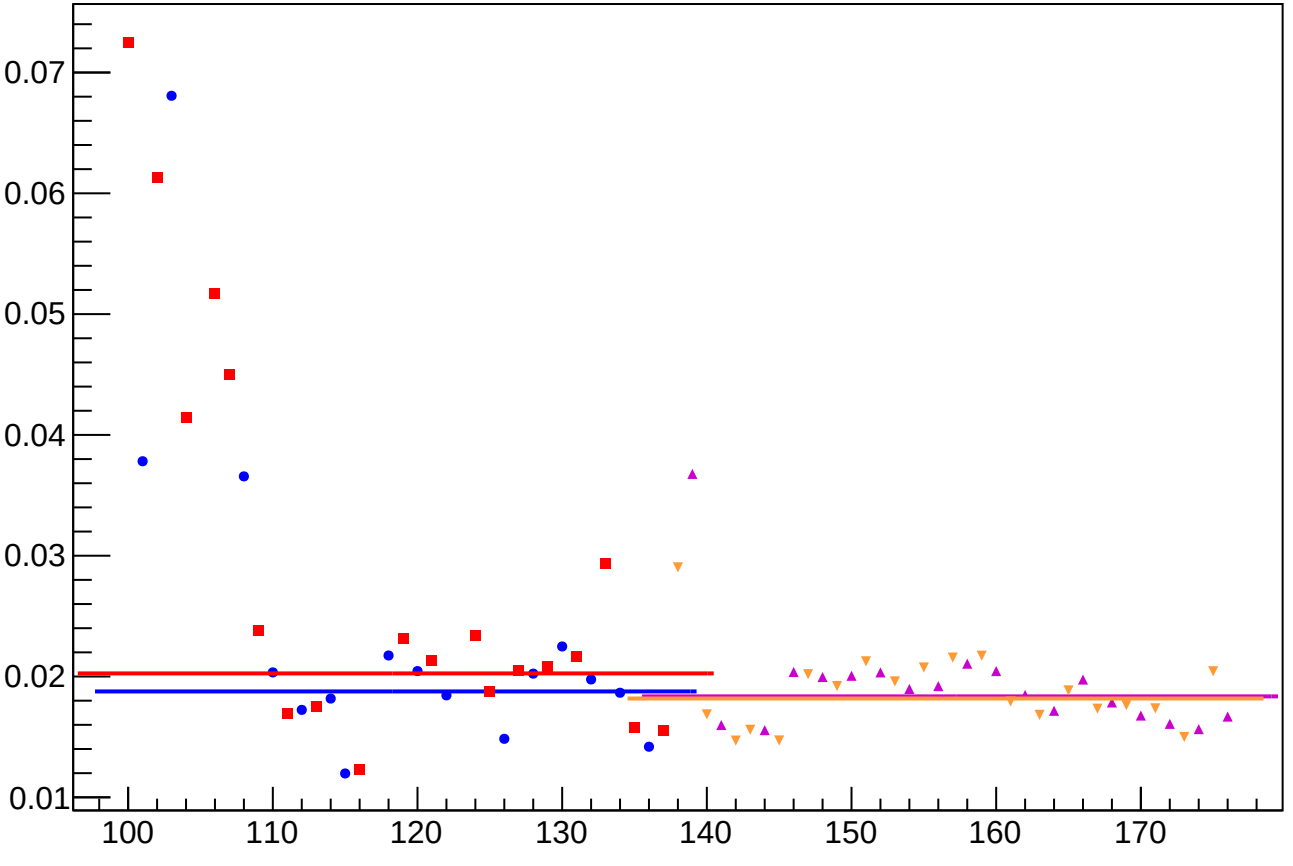
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708678344.0/34

Out: -0.289+/-0.000 χ^2/NDF:634652925.1/38

All: -0.283+/-0.000 χ^2/NDF: 1346867704.9/7

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:565922.4/19

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:684342.7/18

Left: 0.018+/-0.000 χ^2/NDF: 1251434.4/38

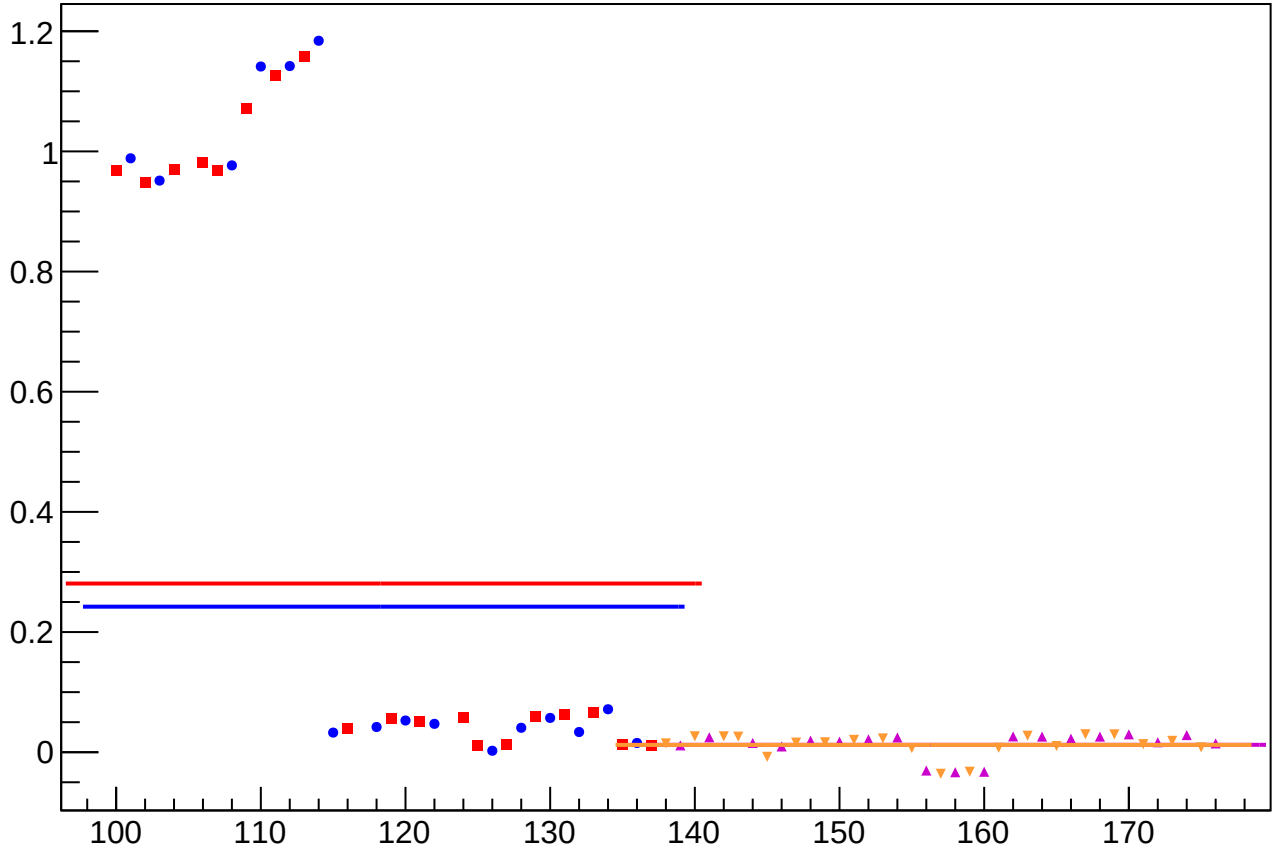
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.018+/-0.000 χ^2/NDF:2037331.4/34

Out: 0.019+/-0.000 χ^2/NDF:2180674.4/38

All: 0.019+/-0.000 χ^2/NDF: 4220975.5/73

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44710830.9/19

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:57585237.6/18

Left: 0.012+/-0.000 χ^2/NDF: 102297112.7/38

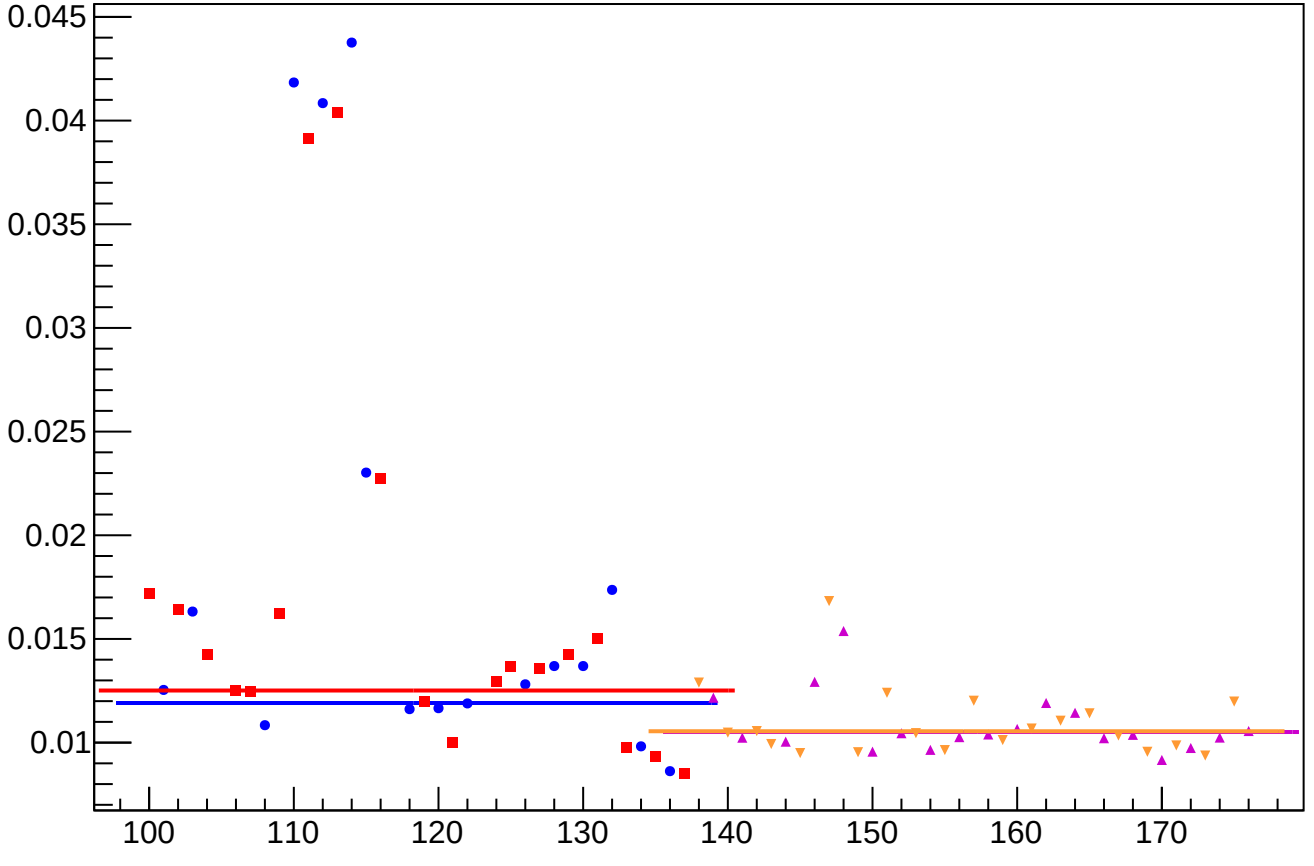
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.067+/-0.000 χ^2/NDF:8256852620.3/34

Out: 0.073+/-0.000 χ^2/NDF:8991150536.0/38

All: 0.070+/-0.000 χ^2/NDF: 17250391996.6/7

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:472625.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360564.8/18

Left: 0.011+/-0.000 χ^2/NDF: 833372.0/38

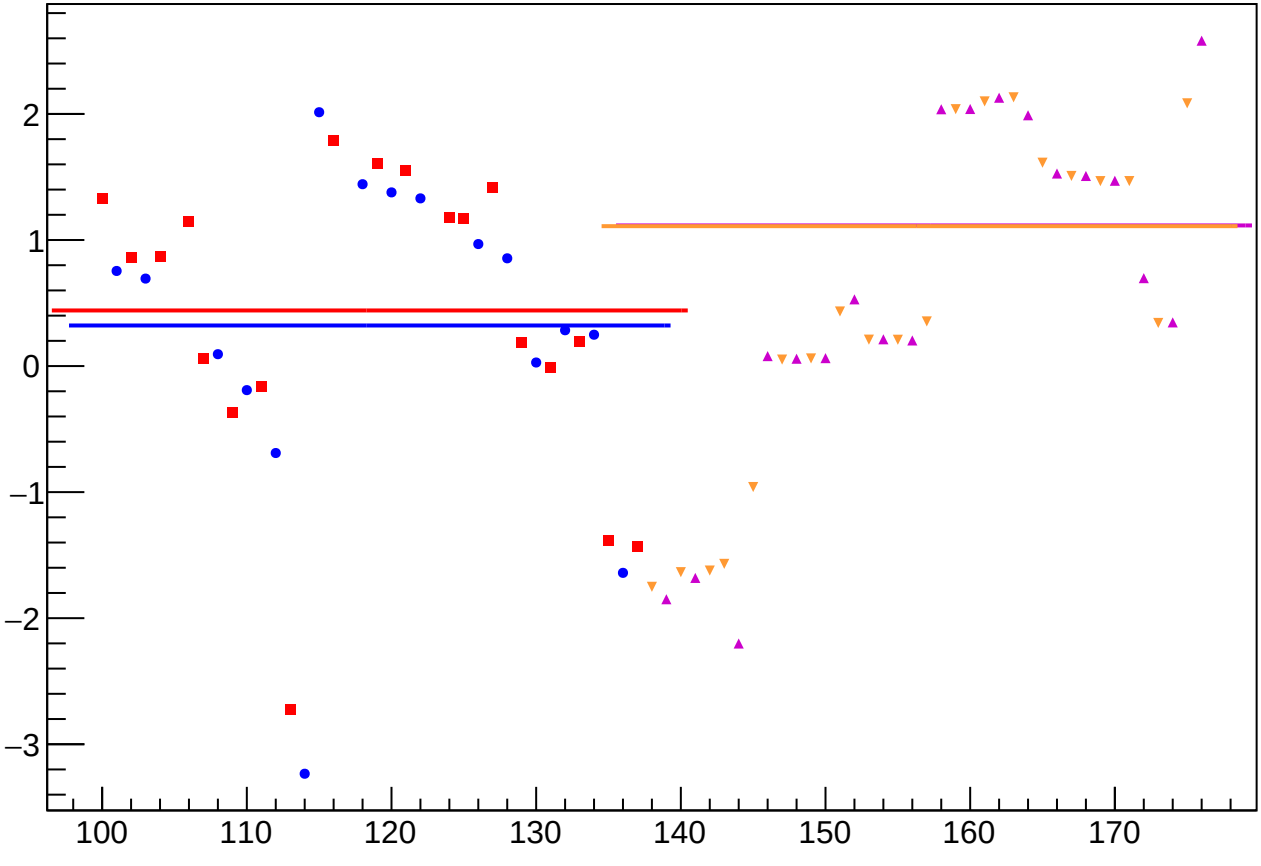
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1945257.4/34

Out: 0.011+/-0.000 χ^2/NDF:2099309.8/38

All: 0.011+/-0.000 χ^2/NDF: 4048182.2/73

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.110+/-0.000 χ^2/NDF:34660384567.3/19

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.116+/-0.000 χ^2/NDF:41914392695.0/18

Left: 1.113+/-0.000 χ^2/NDF: 76575590378.8/38

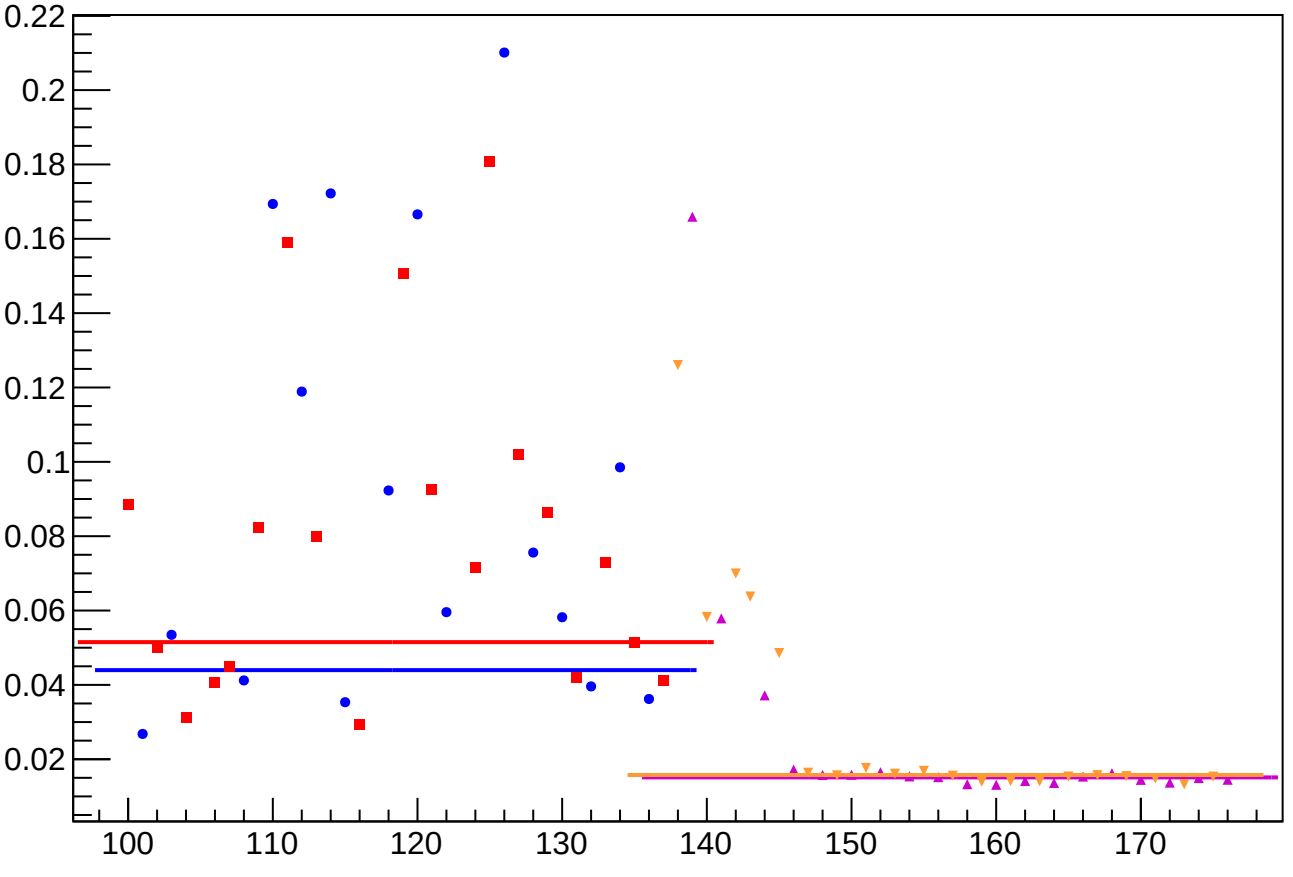
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.086+/-0.000 χ^2/NDF:44782233956.1/34

Out: 1.087+/-0.000 χ^2/NDF:37167792416.8/38

All: 1.086+/-0.000 χ^2/NDF: 81950069717.4/7

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:2942929.2/19

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2171537.4/18

Left: 0.015+/-0.000 χ^2/NDF: 5134775.0/38

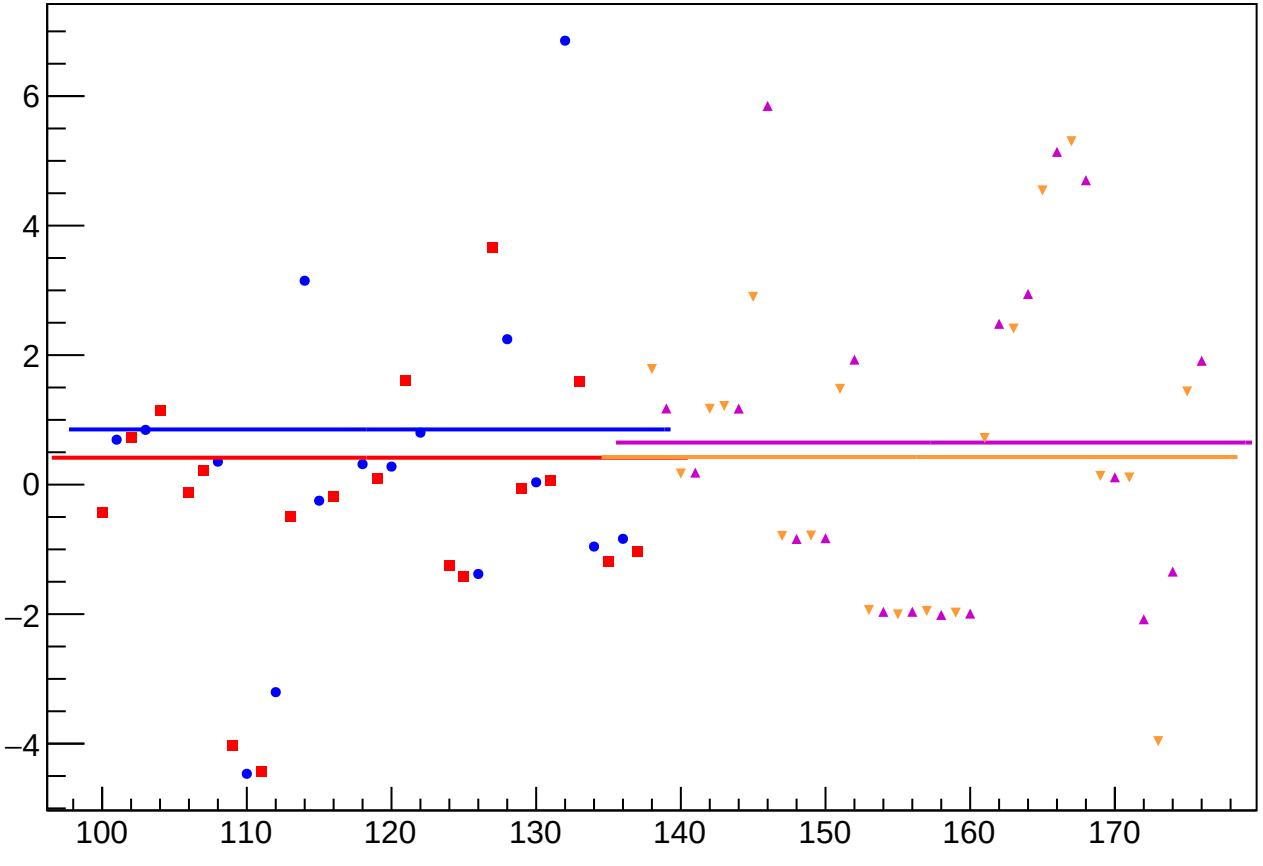
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8140072.5/34

Out: 0.017+/-0.000 χ^2/NDF:9372142.4/38

All: 0.017+/-0.000 χ^2/NDF: 17542822.0/73

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.427+/-0.000 χ^2/NDF:504644074363.1/19

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.650+/-0.000 χ^2/NDF:599750082305.8/18

Left: 0.541+/-0.000 χ^2/NDF: 1106328990561.0/38

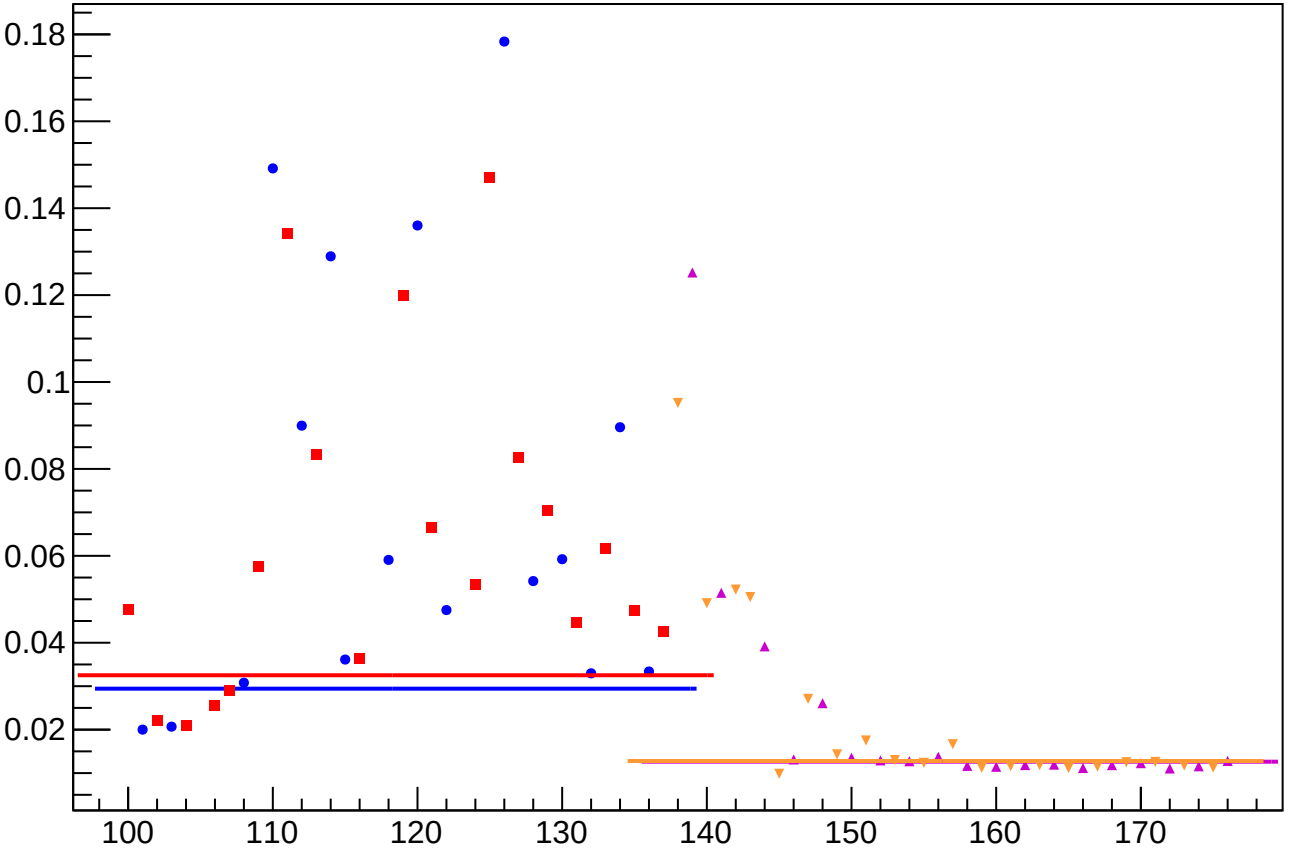
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.660+/-0.000 χ^2/NDF:611492242969.8/34

Out: 0.426+/-0.000 χ^2/NDF:509766387919.4/38

All: 0.546+/-0.000 χ^2/NDF: 1123497052846.

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:3161828.4/19

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2734314.6/18

Left: 0.013+/-0.000 χ^2/NDF: 5898111.6/38

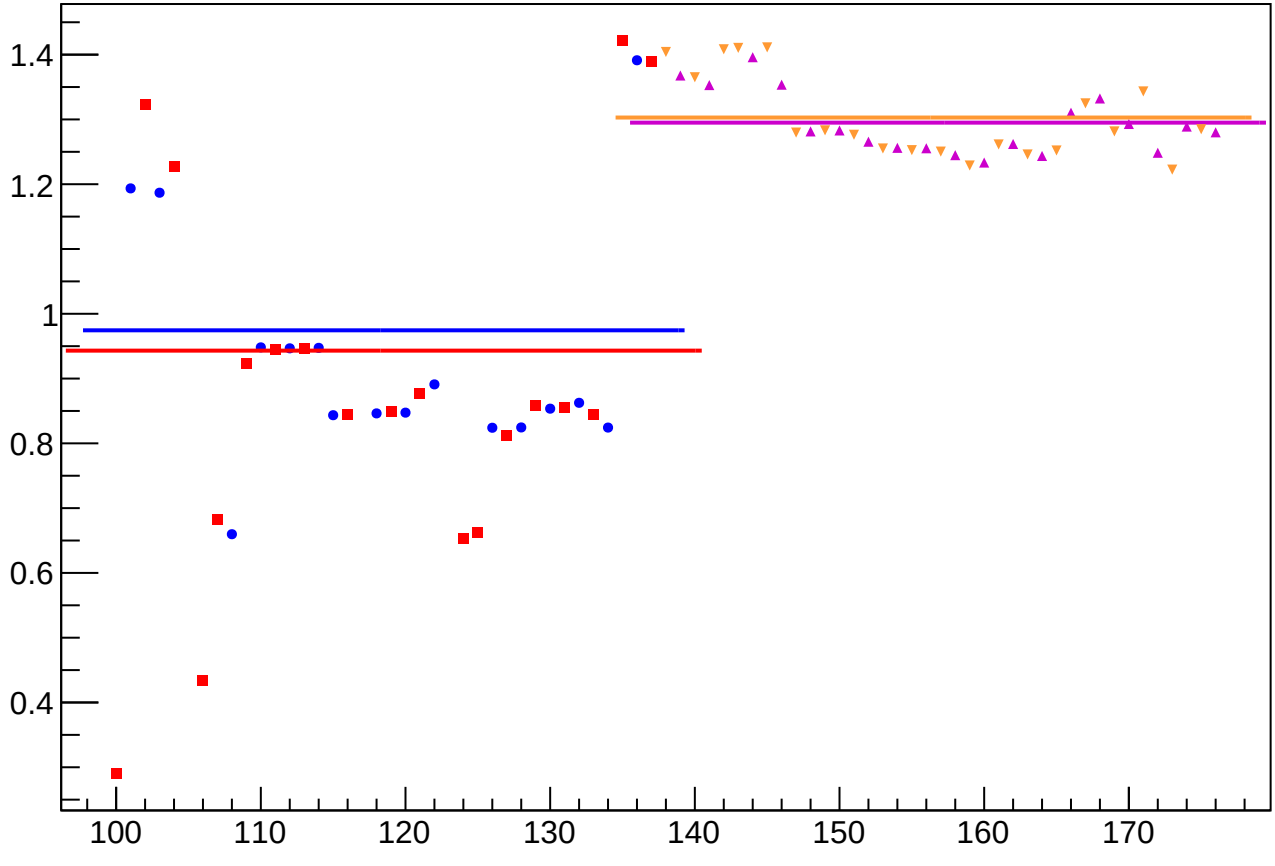
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8210410.4/34

Out: 0.014+/-0.000 χ^2/NDF:9367395.8/38

All: 0.014+/-0.000 χ^2/NDF: 17583858.0/73

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.303+/-0.000 χ^2/NDF:298895154.1/19

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.295+/-0.000 χ^2/NDF:165572400.4/18

Left: 1.299+/-0.000 χ^2/NDF: 466772699.9/38

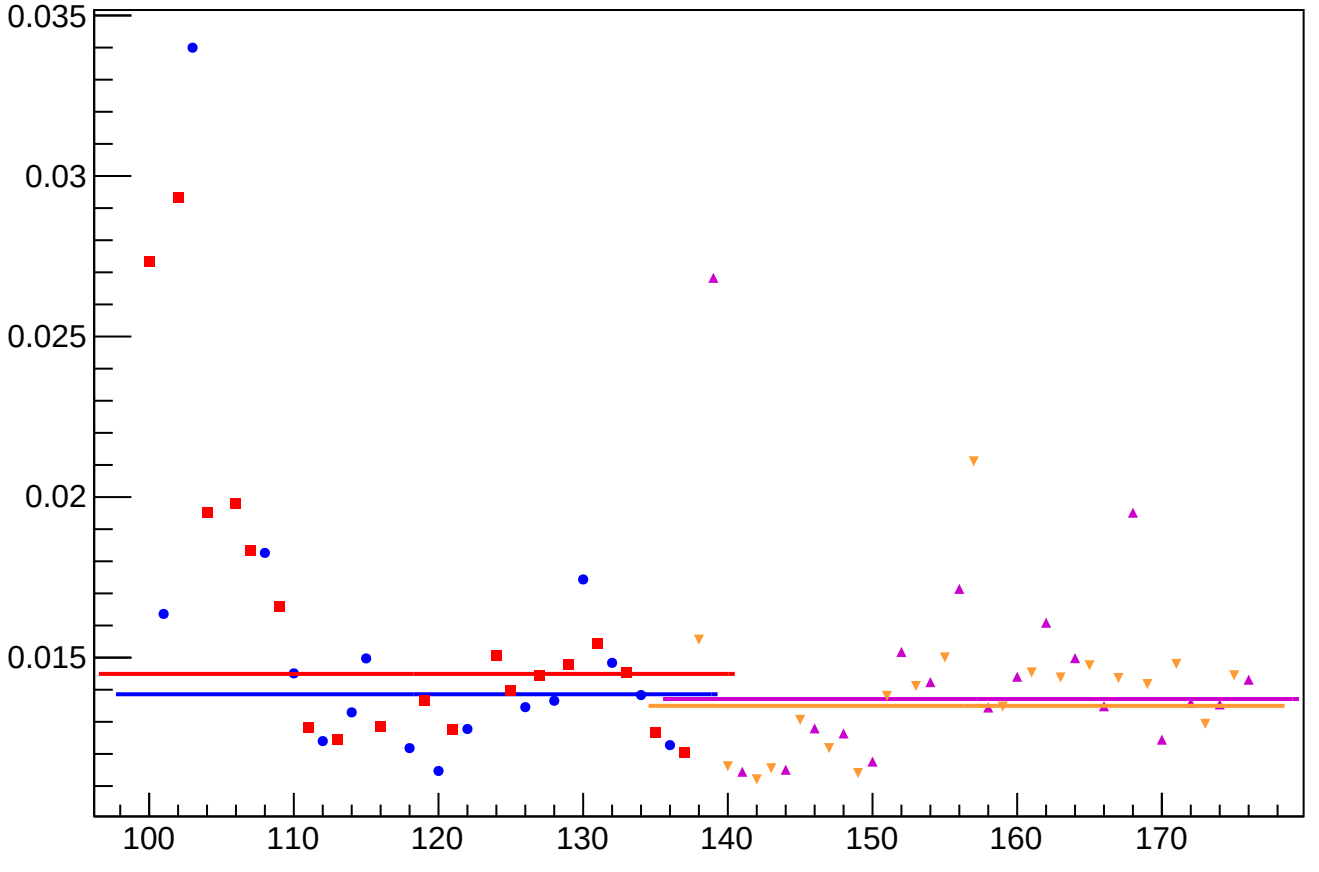
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.196+/-0.000 χ^2/NDF:3925355969.8/34

Out: 1.199+/-0.000 χ^2/NDF:4784974545.2/38

All: 1.198+/-0.000 χ^2/NDF: 8710870663.1/73

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:434477.9/19

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:844744.9/18

Left: 0.014+/-0.000 χ^2/NDF: 1282596.1/38

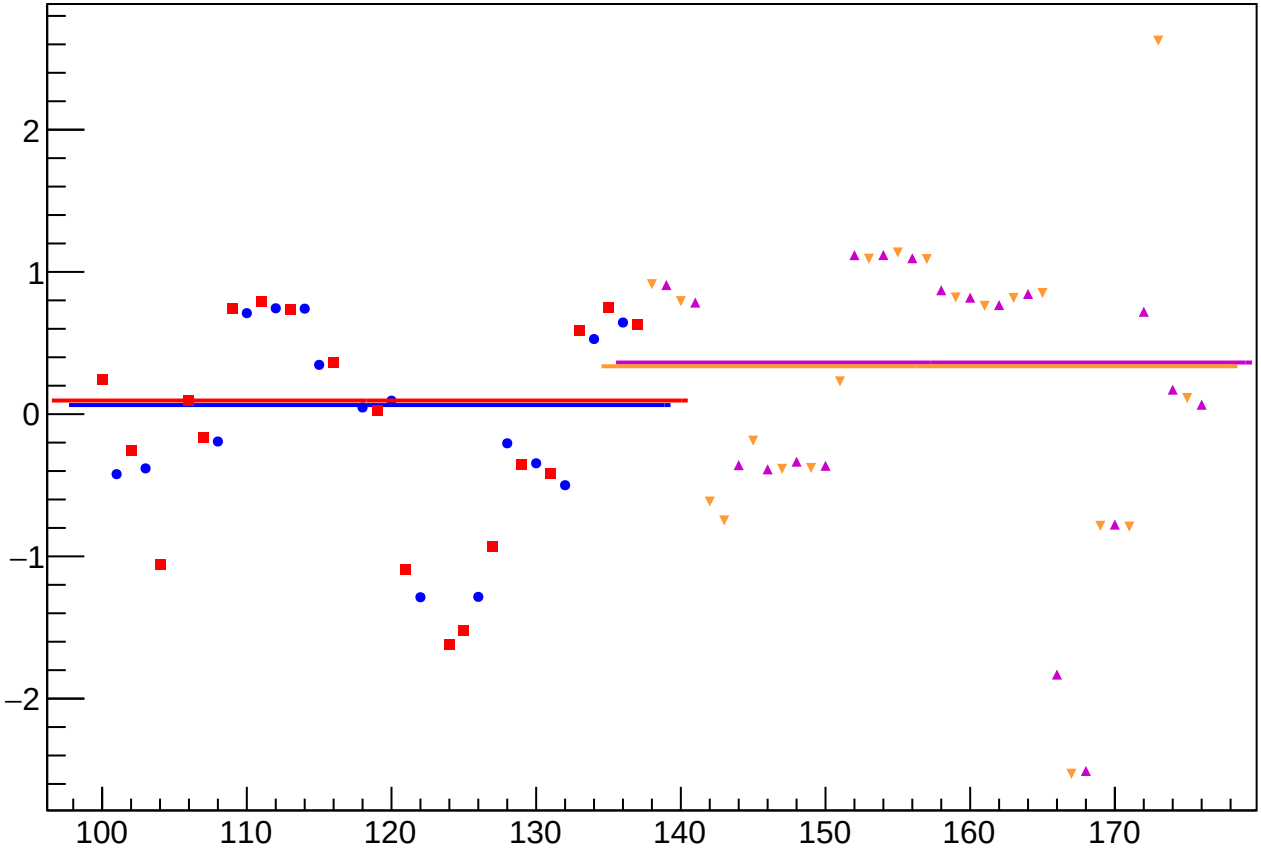
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1445701.9/34

Out: 0.014+/-0.000 χ^2/NDF:1021874.8/38

All: 0.014+/-0.000 χ^2/NDF: 2467655.1/73

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.337+/-0.000 χ^2/NDF:100141880886.7/19

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.363+/-0.000 χ^2/NDF:84691706488.2/18

Left: 0.350+/-0.000 χ^2/NDF: 184867797898.2/38

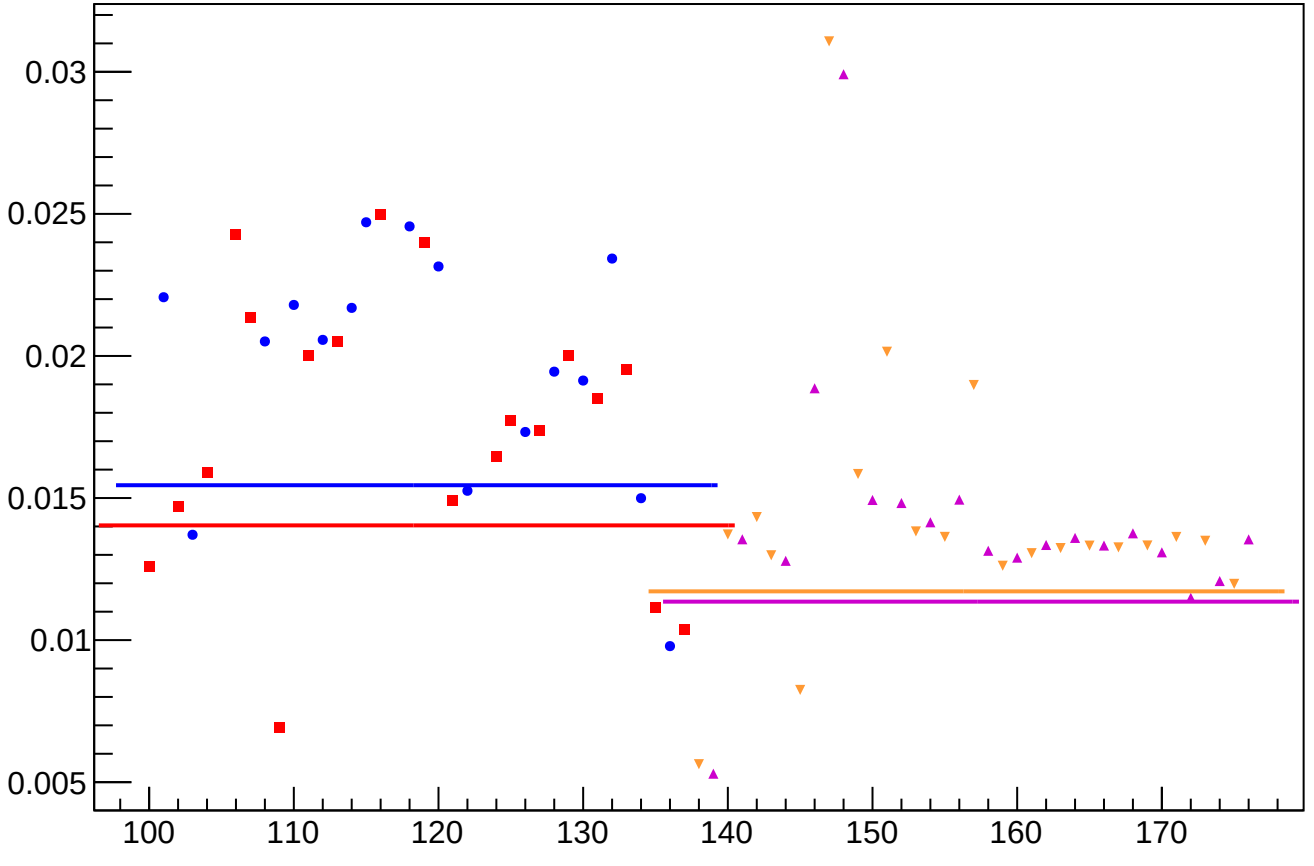
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.303+/-0.000 χ^2/NDF:97528441290.1/34

Out: 0.280+/-0.000 χ^2/NDF:119252215905.4/38

All: 0.292+/-0.000 χ^2/NDF: 216813744743.5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199834.3/19

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3609821.2/18

Left: 0.012+/-0.000 χ^2/NDF: 6822650.8/38

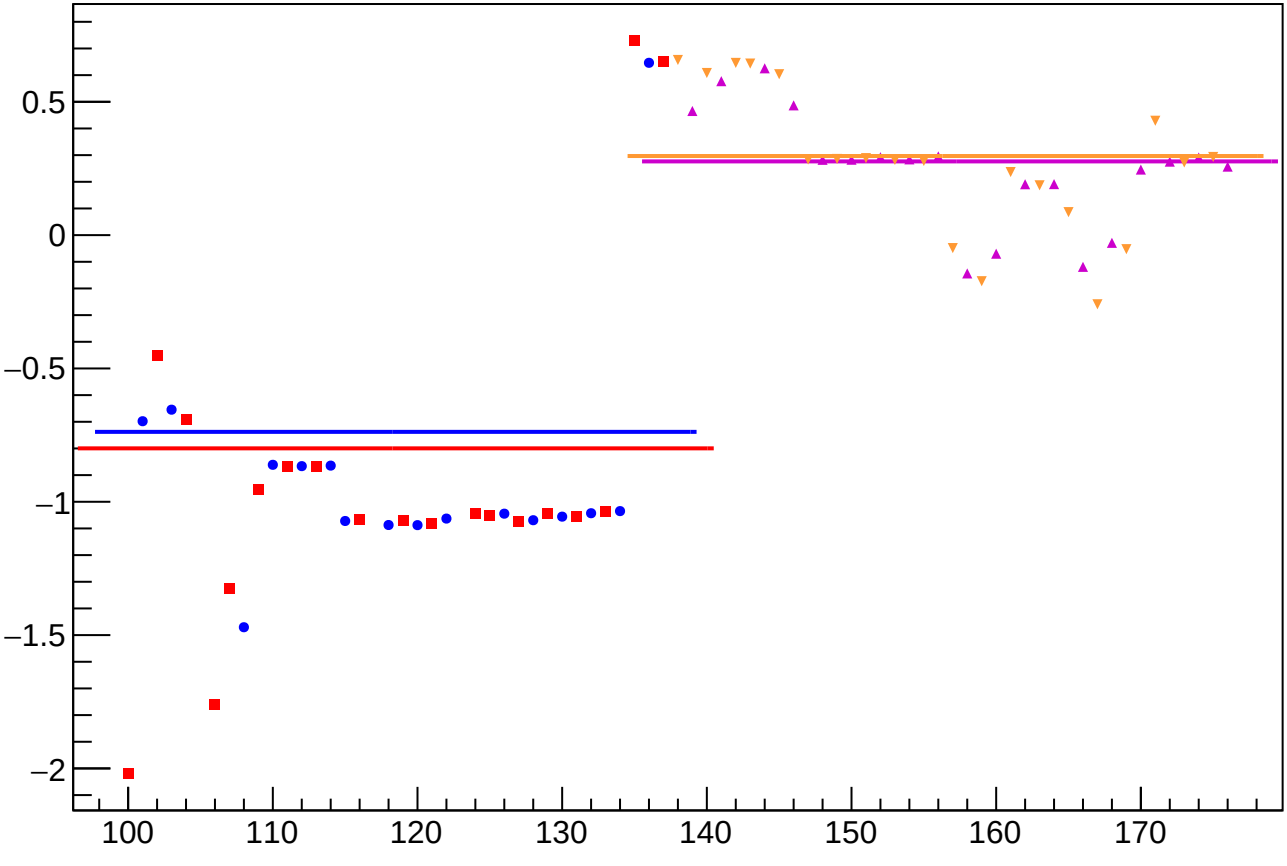
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5579545.0/34

Out: 0.012+/-0.000 χ^2/NDF:5132782.7/38

All: 0.012+/-0.000 χ^2/NDF: 10713273.6/73

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747579528.0/19

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.276+/-0.000 χ^2/NDF:502071009.5/18

Left: 0.287+/-0.000 χ^2/NDF: 1251903555.0/38

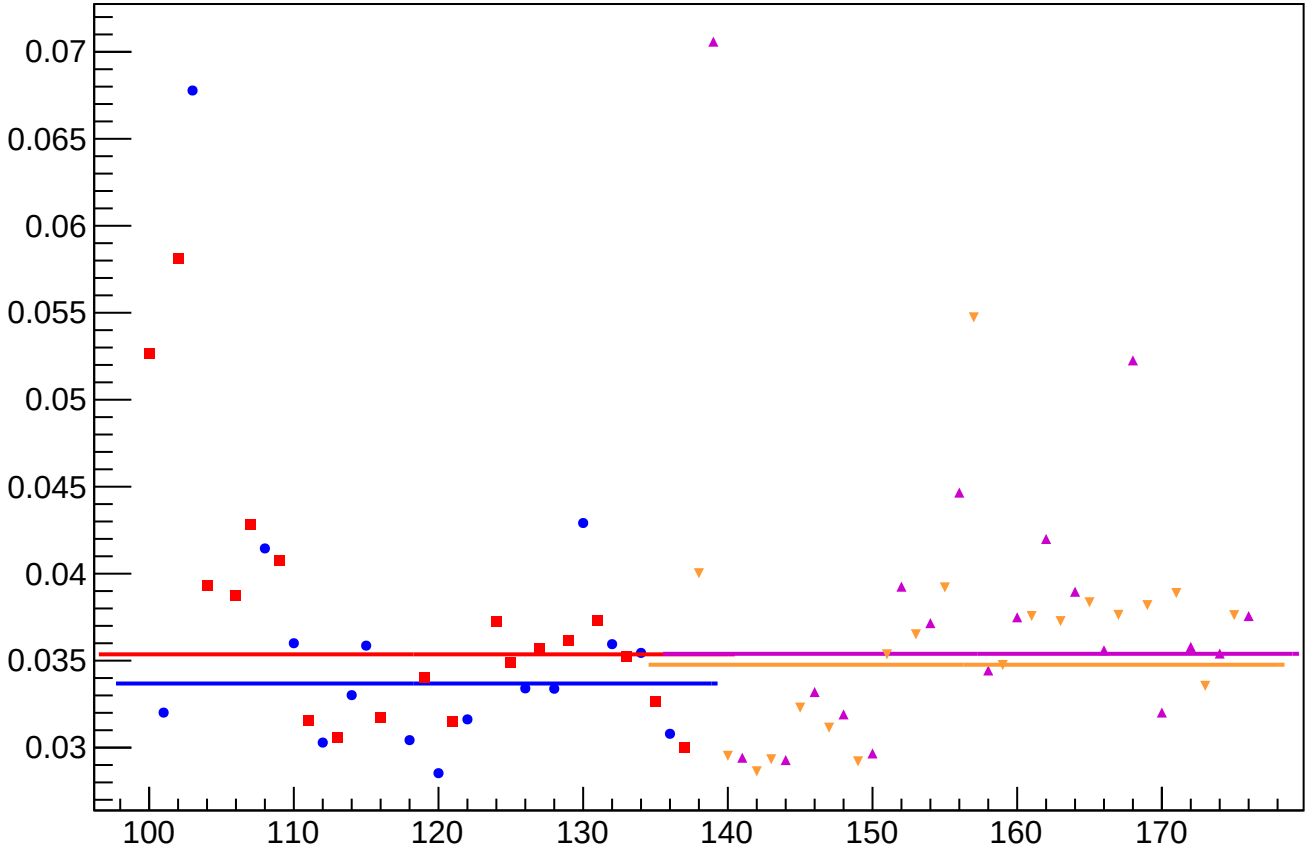
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.068+/-0.000 χ^2/NDF:6347383067.1/34

Out: -0.048+/-0.000 χ^2/NDF:6895090558.6/38

All: -0.058+/-0.000 χ^2/NDF: 13245932577.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:491362.1/19

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:933481.3/18

Left: 0.035+/-0.000 χ^2/NDF: 1429195.5/38

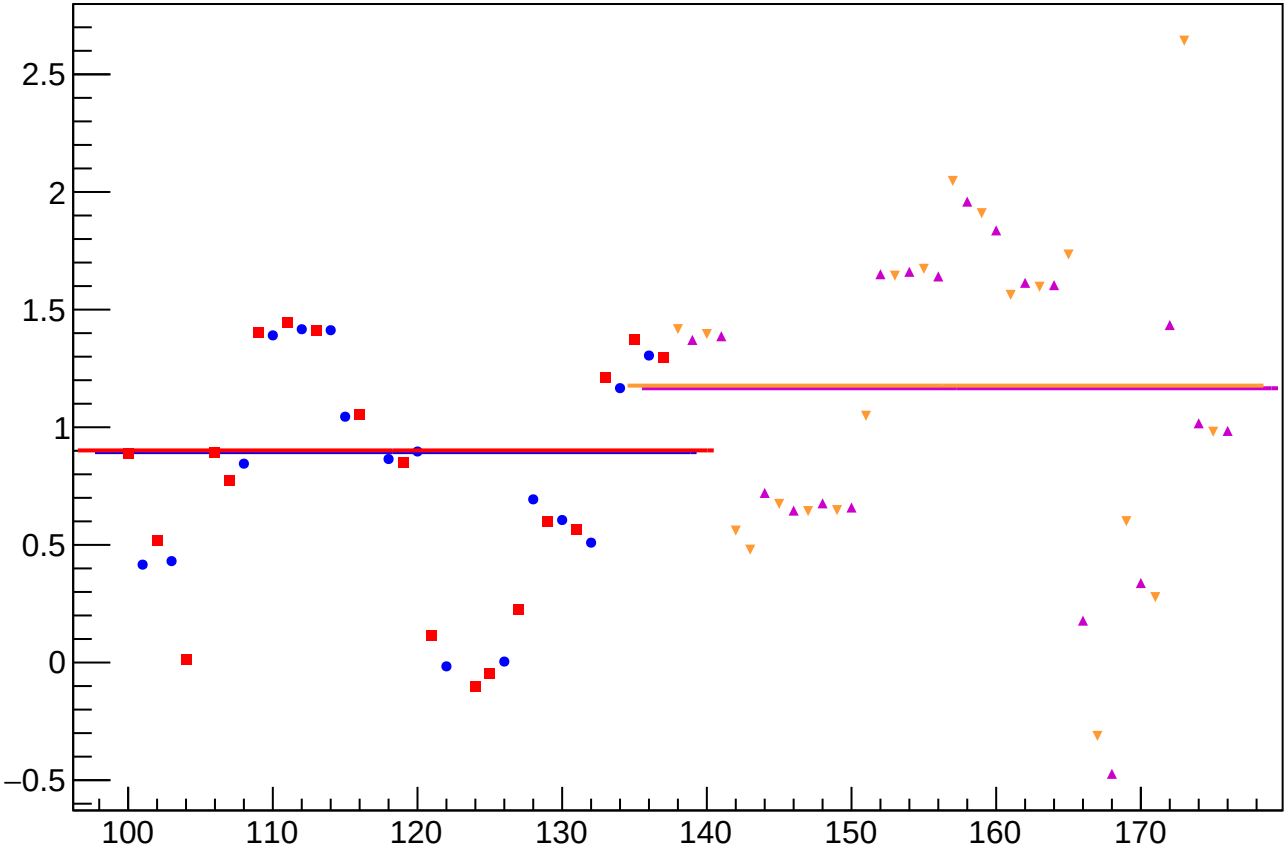
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1375095.1/34

Out: 0.035+/-0.000 χ^2/NDF:790247.1/38

All: 0.035+/-0.000 χ^2/NDF: 2165663.4/73

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.177+/-0.000 χ^2/NDF:85745409090.8/19

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.166+/-0.000 χ^2/NDF:66341361608.1/18

Left: 1.171+/-0.000 χ^2/NDF: 152097972029.8/38

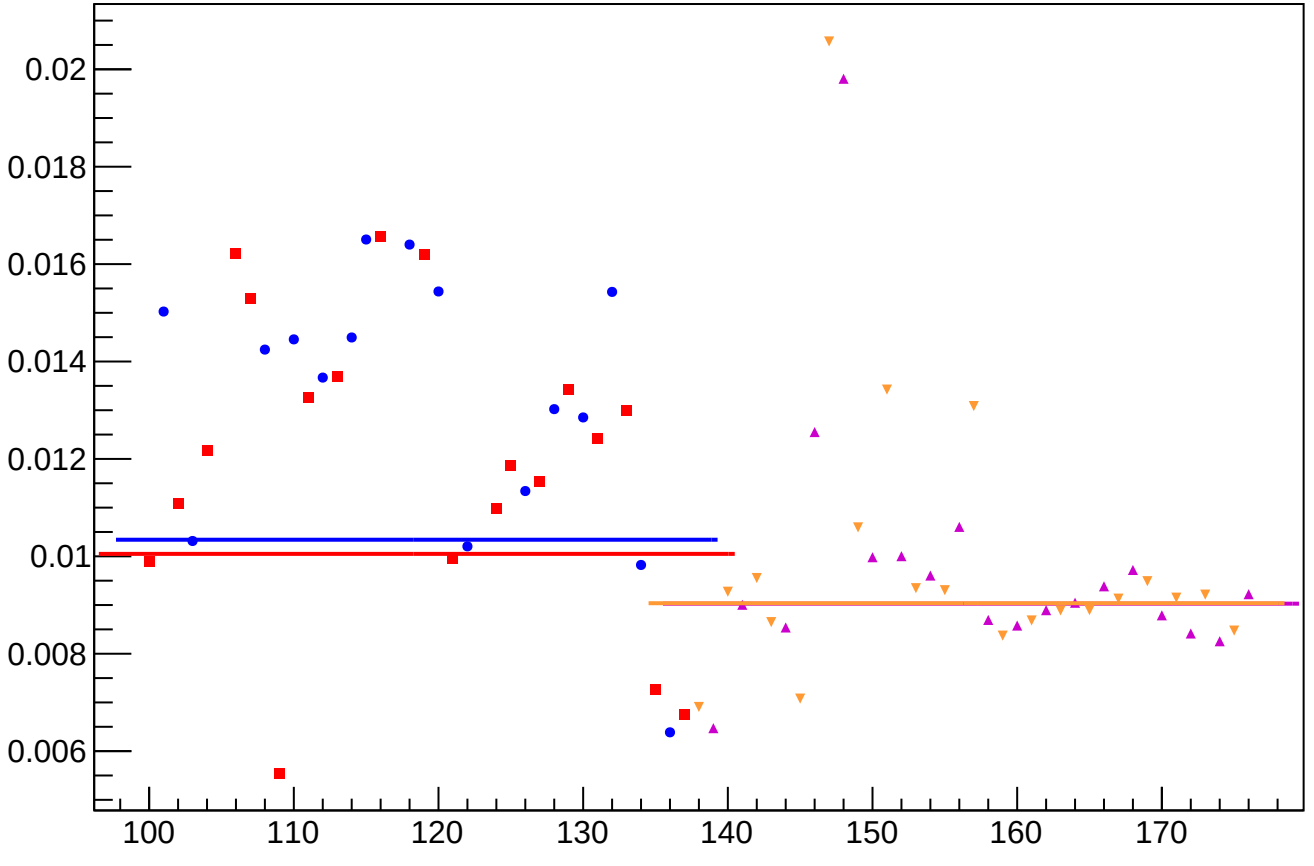
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.100+/-0.000 χ^2/NDF:82209446947.7/34

Out: 1.108+/-0.000 χ^2/NDF:107059600082.3/38

All: 1.104+/-0.000 χ^2/NDF: 189275397203.4

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:1135510.6/19

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952822.8/18

Left: 0.009+/-0.000 χ^2/NDF: 2088348.6/38

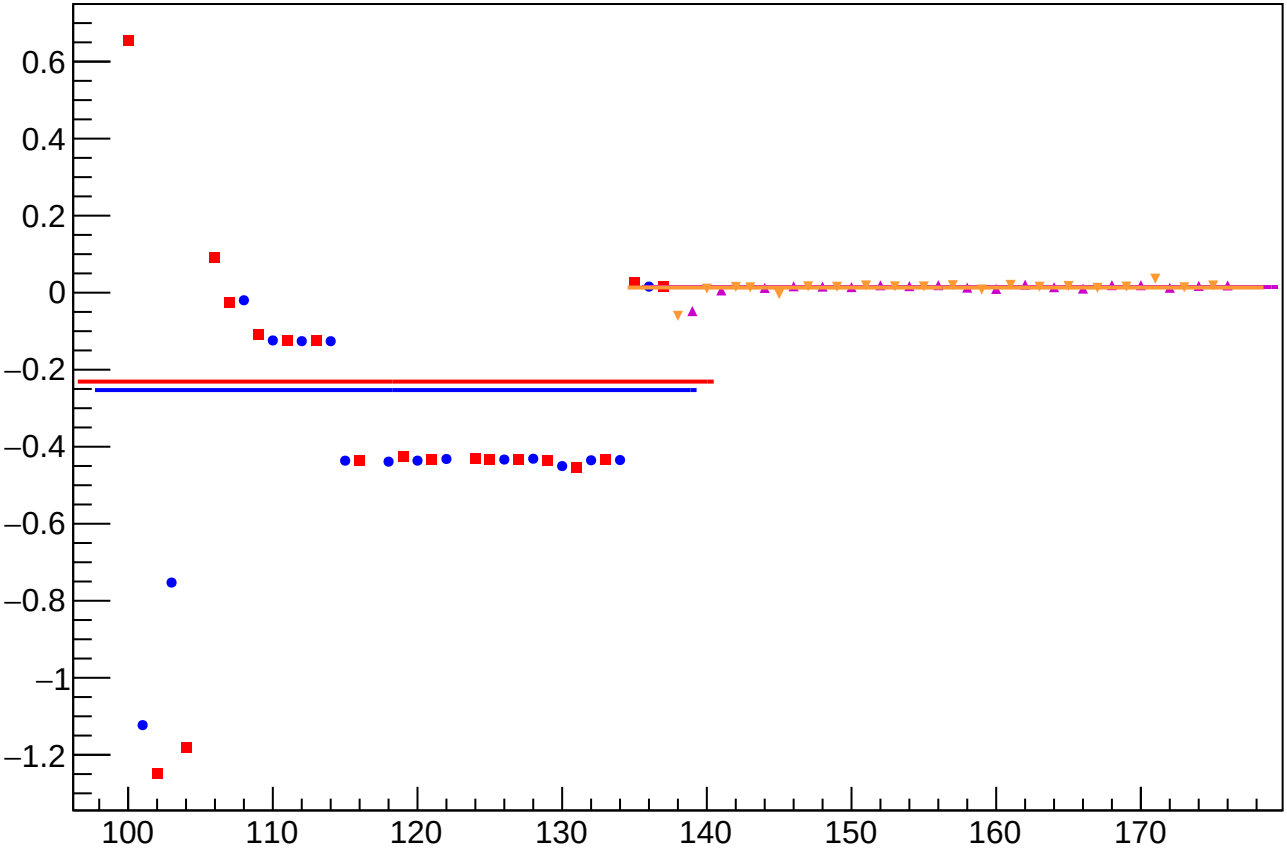
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2449186.2/34

Out: 0.009+/-0.000 χ^2/NDF:2564931.8/38

All: 0.009+/-0.000 χ^2/NDF: 5014761.4/73

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27593073.5/19

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.015+/-0.000 χ^2/NDF:6951588.6/18

Left: 0.014+/-0.000 χ^2/NDF: 34664451.7/38

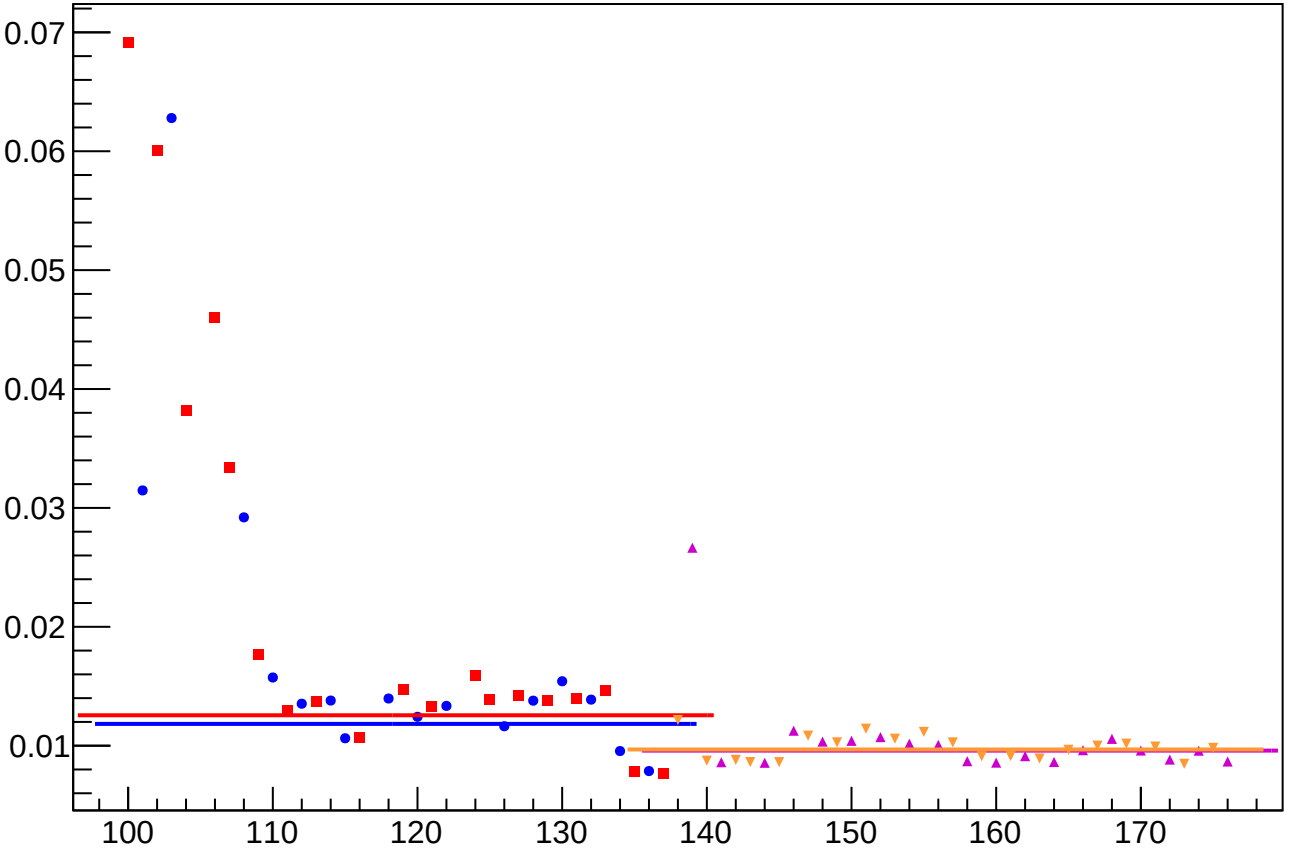
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.040+/-0.000 χ^2/NDF:4058553189.8/34

Out: -0.031+/-0.000 χ^2/NDF:3383435113.4/38

All: -0.036+/-0.000 χ^2/NDF: 7447854228.4/7

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:254233.5/19

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:881814.1/18

Left: 0.010+/-0.000 χ^2/NDF: 1137276.9/38

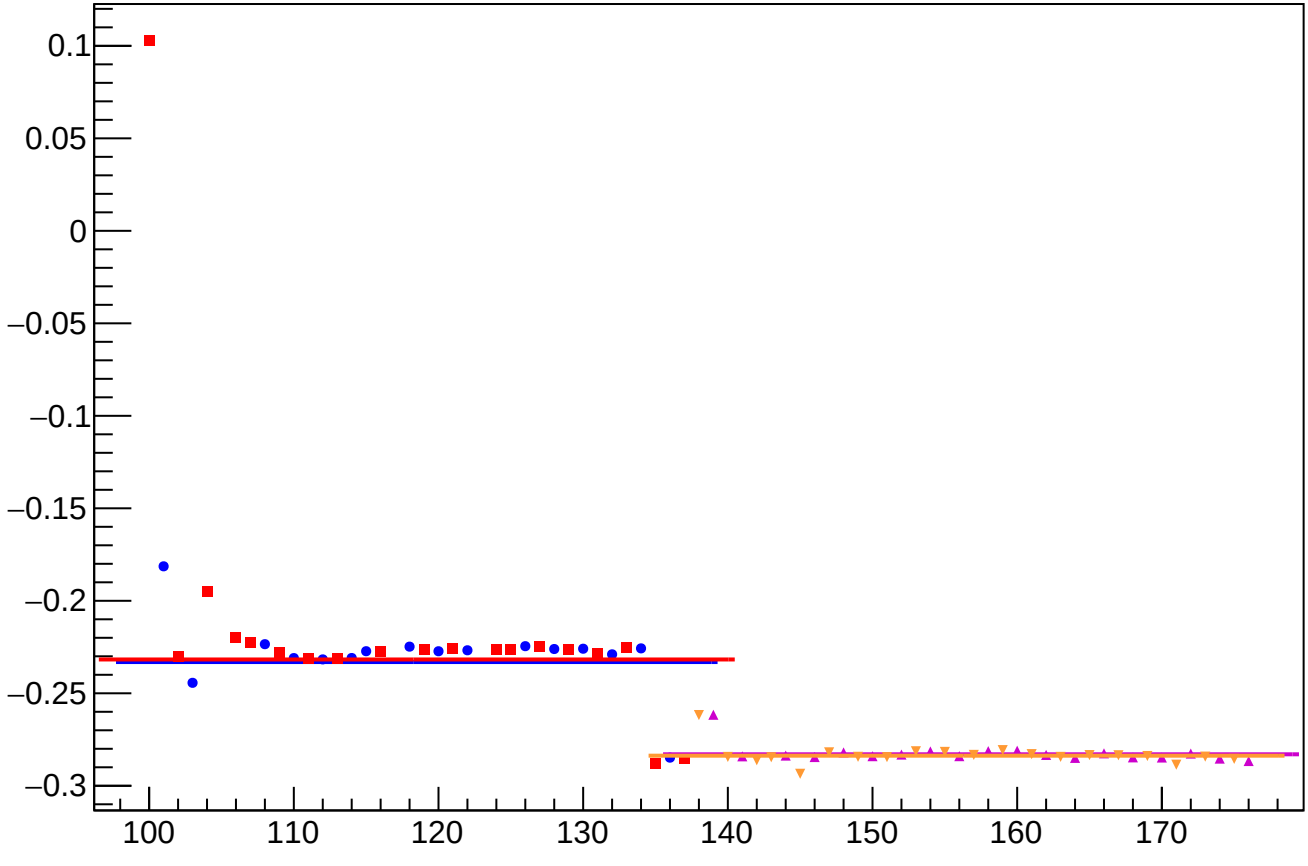
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3110006.6/34

Out: 0.010+/-0.000 χ^2/NDF:2901347.0/38

All: 0.010+/-0.000 χ^2/NDF: 6016113.8/73

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15927172.1/19

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:7299759.4/18

Left: -0.283+/-0.000 χ^2/NDF: 23384334.6/38

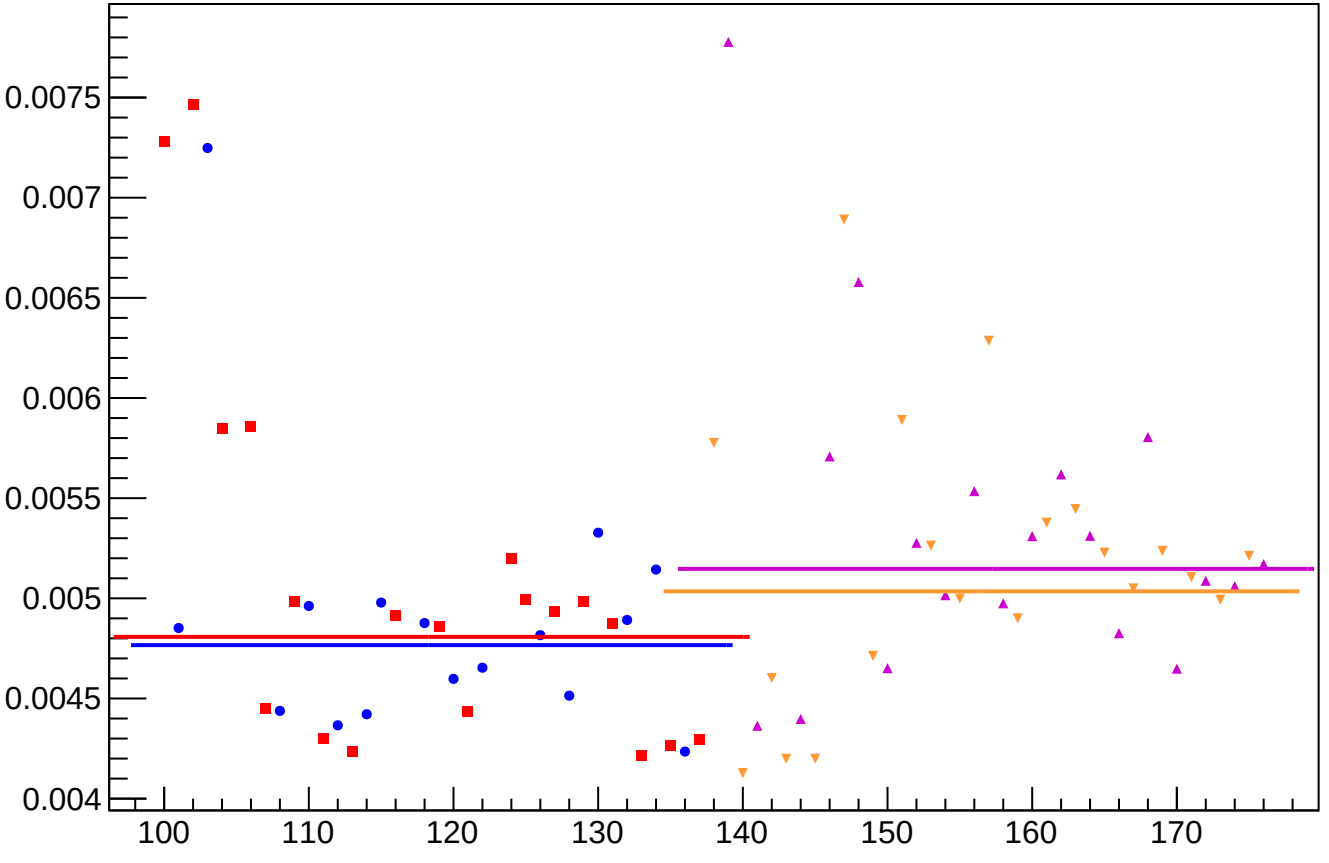
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.266+/-0.000 χ^2/NDF:670768636.9/34

Out: -0.266+/-0.000 χ^2/NDF:826478803.2/38

All: -0.266+/-0.000 χ^2/NDF: 1497329193.8/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:458451.4/19

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463866.6/18

Left: 0.005+/-0.000 χ^2/NDF: 929371.9/38

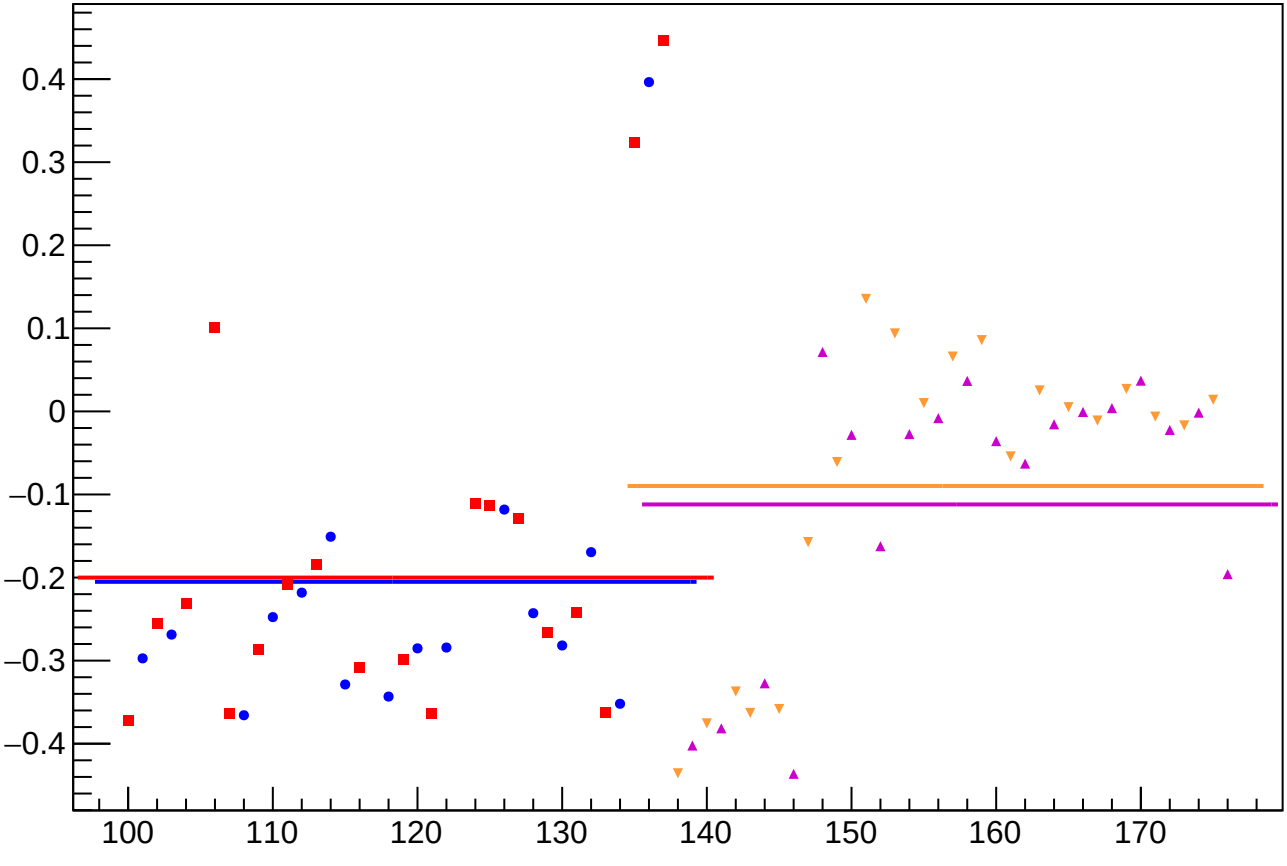
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:709706.3/34

Out: 0.005+/-0.000 χ^2/NDF:772201.0/38

All: 0.005+/-0.000 χ^2/NDF: 1484748.3/73

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.090+/-0.000 χ^2/NDF:16460108817.9/19

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.112+/-0.000 χ^2/NDF:12457222365.2/18

Left: -0.101+/-0.000 χ^2/NDF: 29037848639.1/38

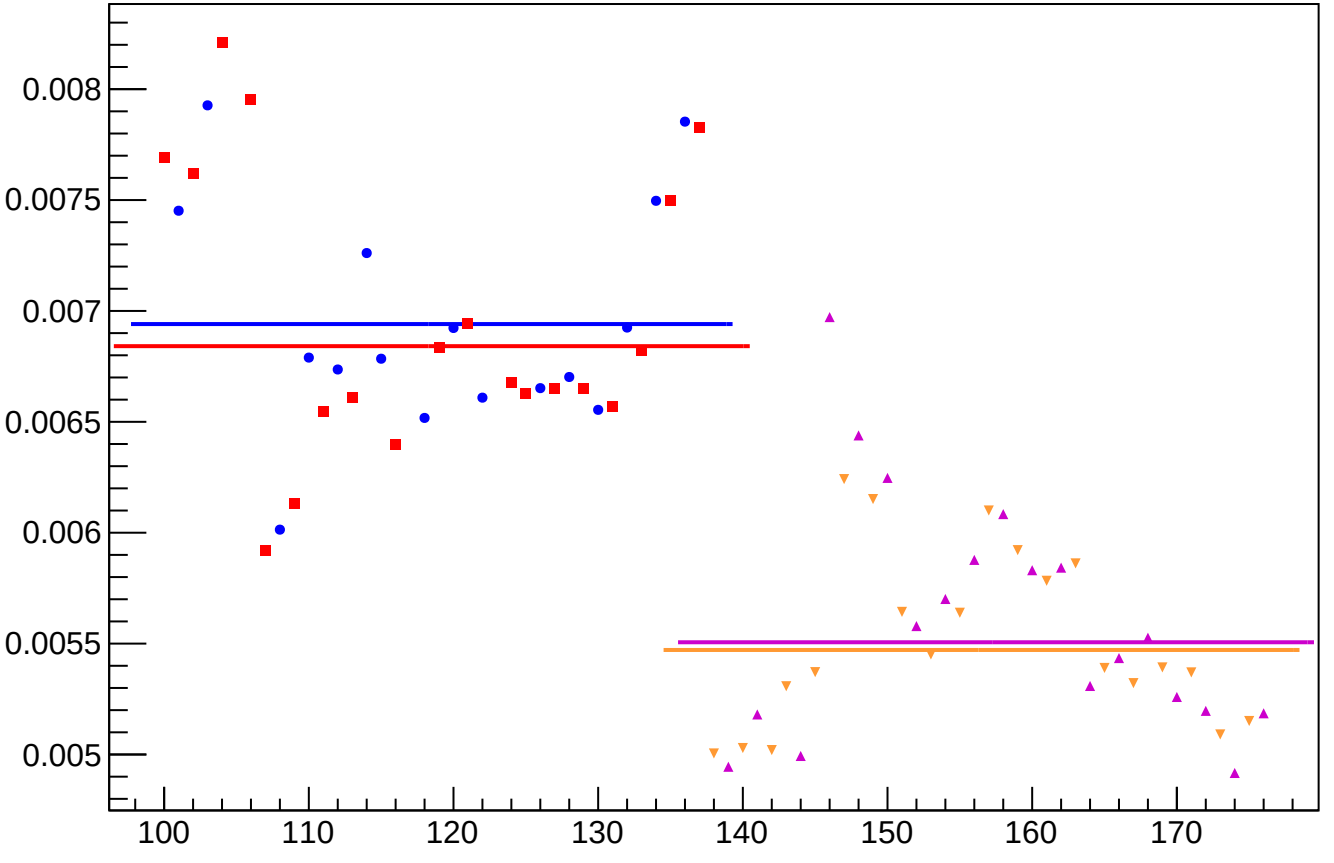
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.134+/-0.000 χ^2/NDF:19617579914.6/34

Out: -0.116+/-0.000 χ^2/NDF:23142285726.7/38

All: -0.125+/-0.000 χ^2/NDF: 42862561816.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:131995.6/19

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235204.1/18

Left: 0.005+/-0.000 χ^2/NDF: 367790.6/38

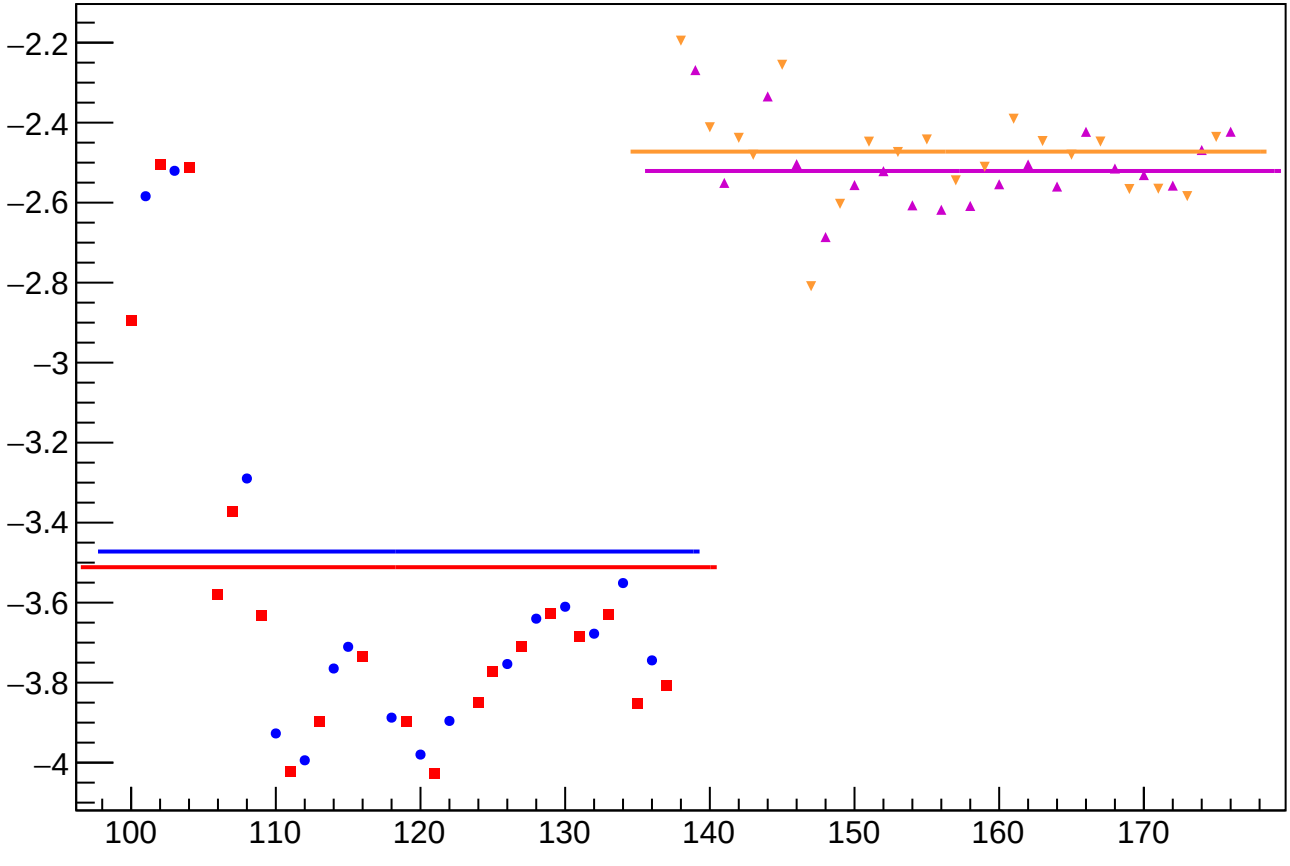
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:781250.9/34

Out: 0.006+/-0.000 χ^2/NDF:673903.6/38

All: 0.006+/-0.000 χ^2/NDF: 1456537.3/73

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.472+/-0.000 χ^2/NDF:2057050600.8/19

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.521+/-0.000 χ^2/NDF:1556249932.7/18

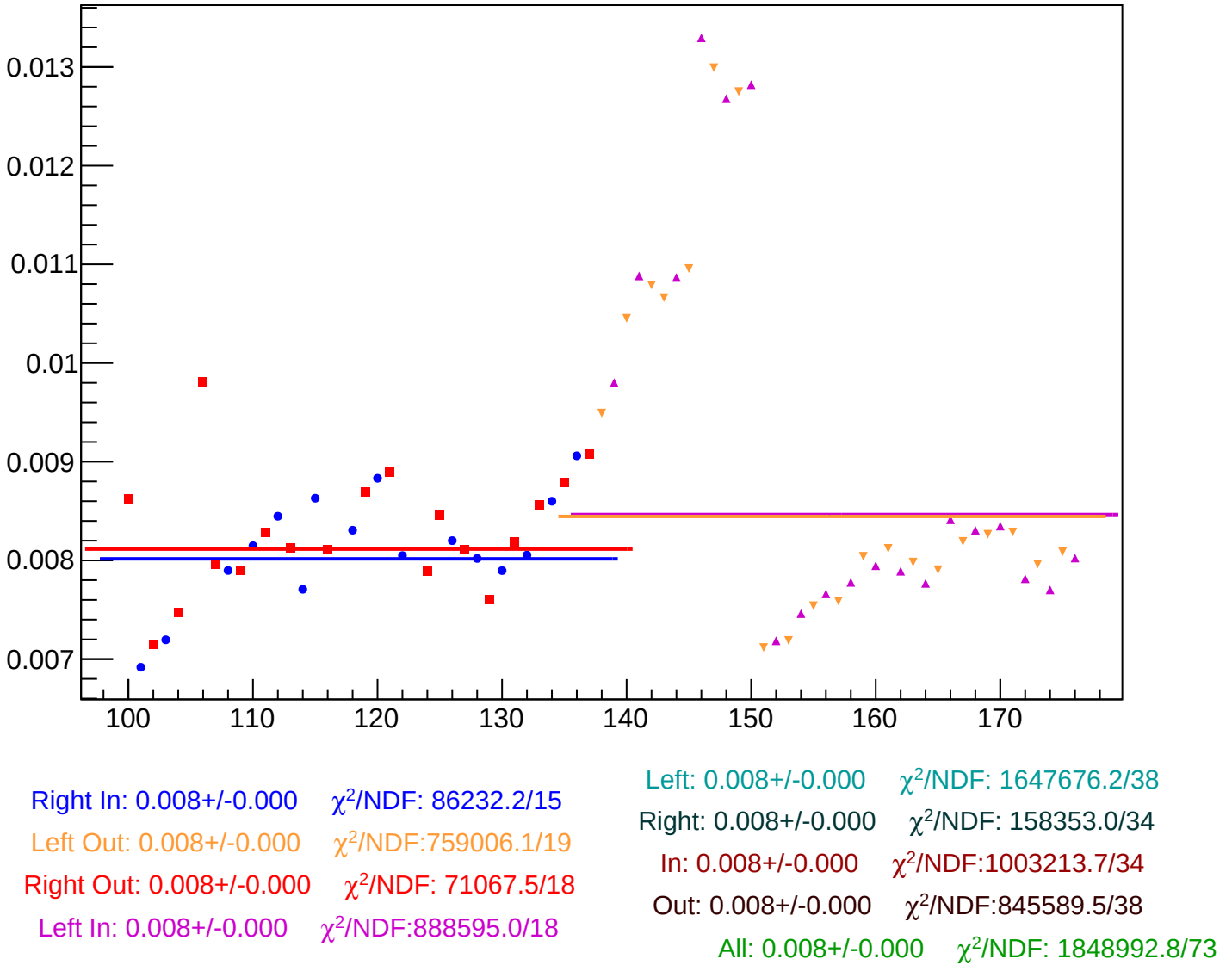
Left: -2.496+/-0.000 χ^2/NDF: 3851203267.7/38

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

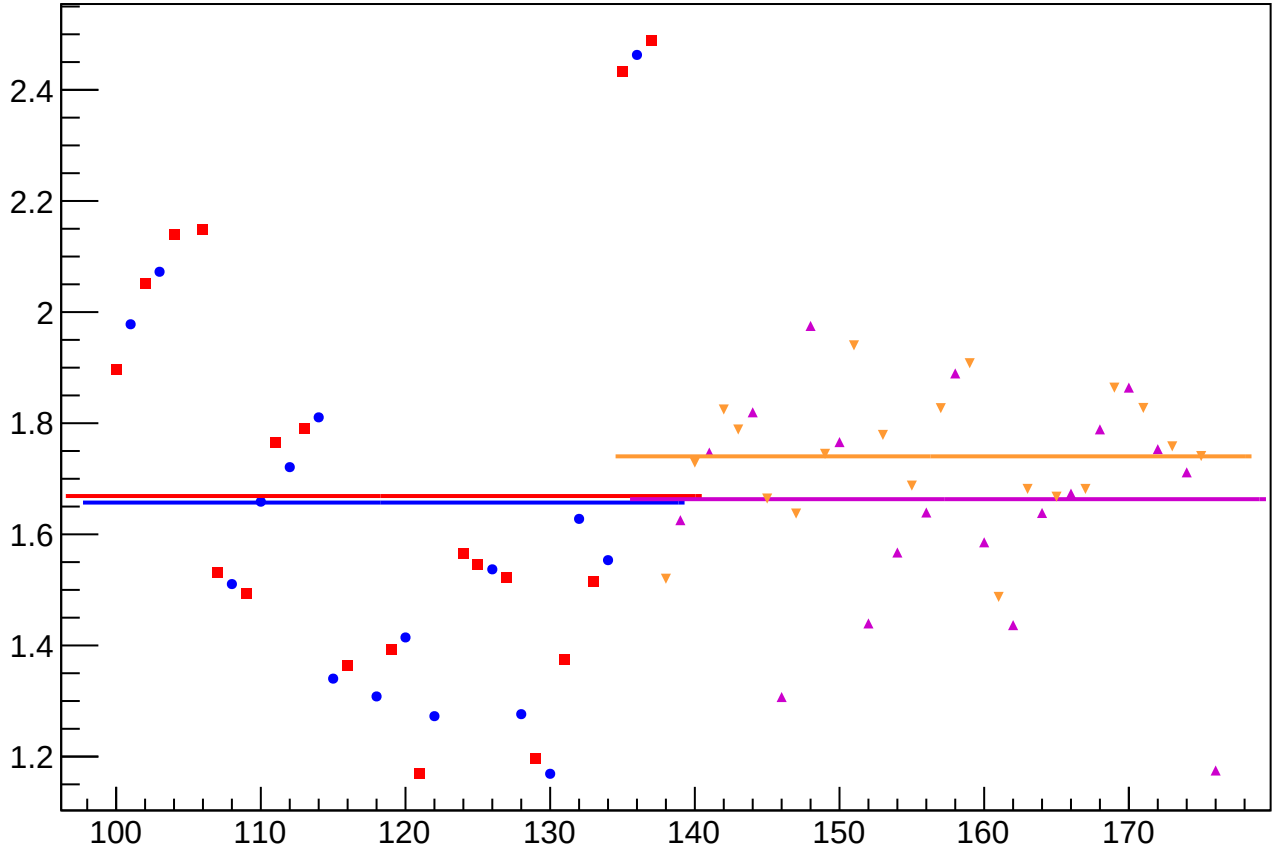
In: -2.856+/-0.000 χ^2/NDF:94920007935.8/34

Out: -2.830+/-0.000 χ^2/NDF:108214360918.1/38

All: -2.843+/-0.000 χ^2/NDF: 203234020853.8


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.008+/-0.000 χ²/NDF:759006.1/19
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.008+/-0.000 χ²/NDF:888595.0/18
Left: 0.008+/-0.000 χ²/NDF: 1647676.2/38
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.008+/-0.000 χ²/NDF:1003213.7/34
Out: 0.008+/-0.000 χ²/NDF:845589.5/38
All: 0.008+/-0.000 χ²/NDF: 1848992.8/73

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515606439.2/19

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.663+/-0.000 χ^2/NDF:4243357793.0/18

Left: 1.703+/-0.000 χ^2/NDF: 6112549886.8/38

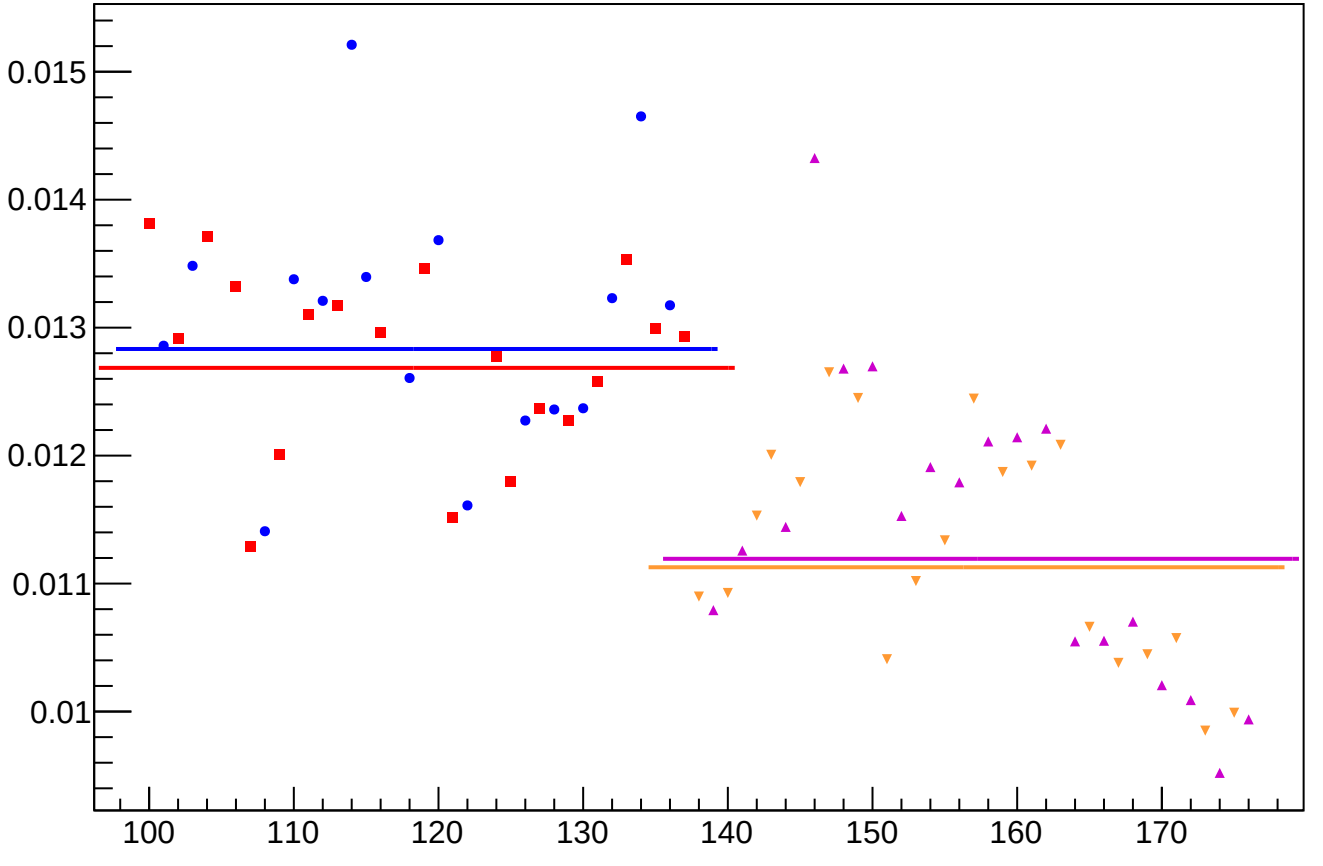
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.662+/-0.000 χ^2/NDF:10910675512.2/34

Out: 1.721+/-0.000 χ^2/NDF:8040286744.0/38

All: 1.692+/-0.000 χ^2/NDF: 19238729175.4/7

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:172465.3/19

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:282364.3/18

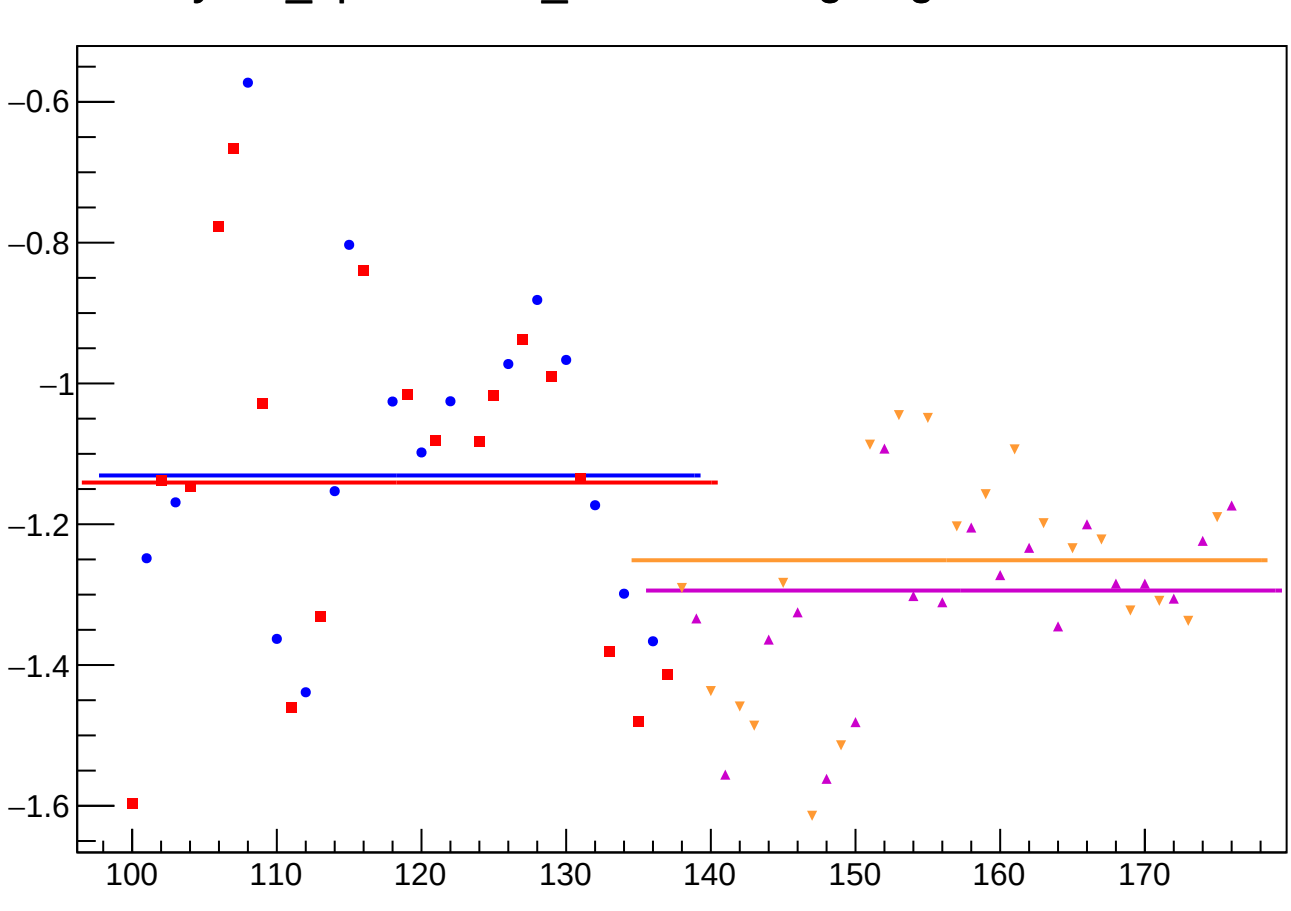
Left: 0.011+/-0.000 χ^2/NDF: 455348.7/38

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

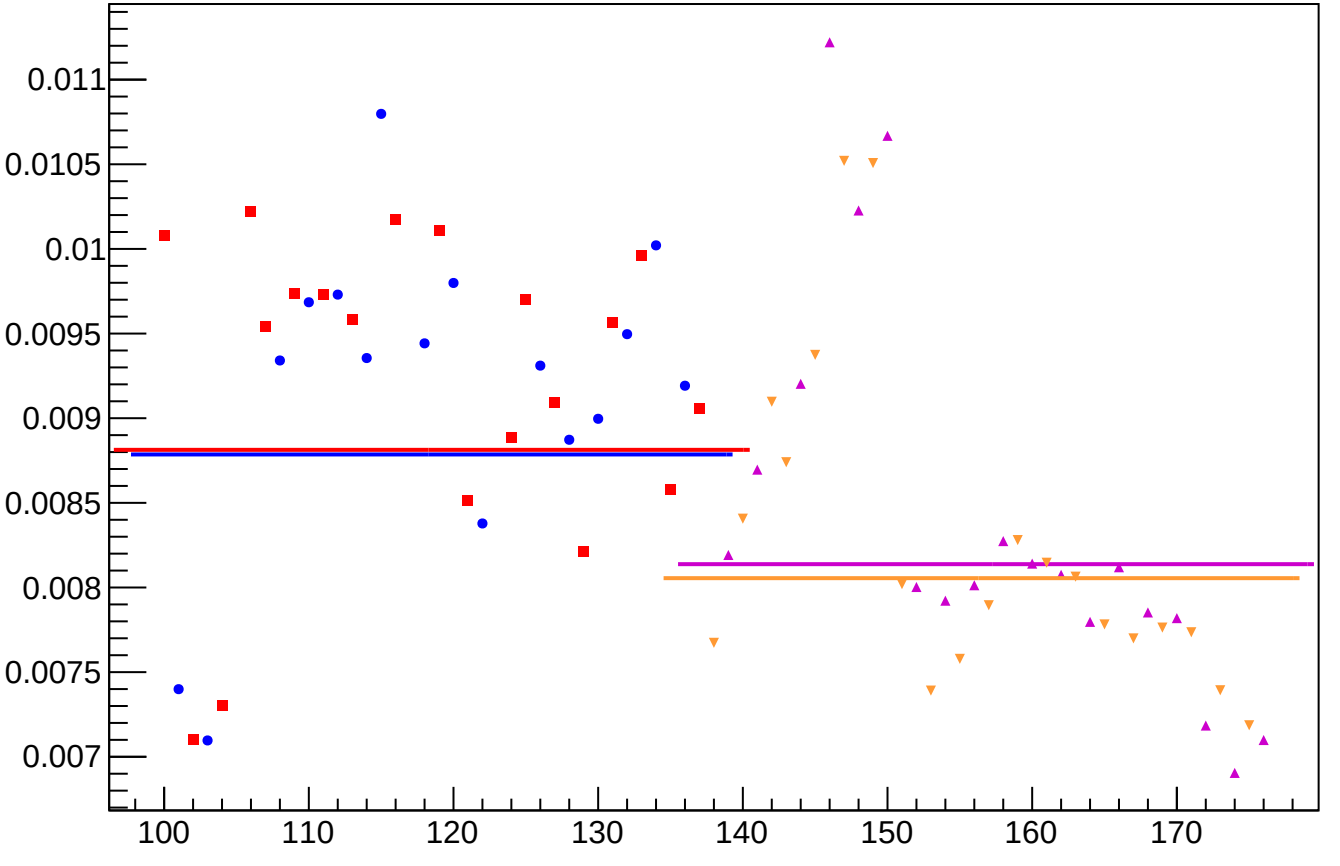
In: 0.012+/-0.000 χ^2/NDF:502694.0/34

Out: 0.012+/-0.000 χ^2/NDF:374792.7/38

All: 0.012+/-0.000 χ^2/NDF: 878667.4/73


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: -1.251+/-0.000 χ²/NDF:4671708937.5/19
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.294+/-0.000 χ²/NDF:2596602138.1/18
Left: -1.272+/-0.000 χ²/NDF: 7473590650.2/38
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.247+/-0.000 χ²/NDF:8070780269.9/34
Out: -1.220+/-0.000 χ²/NDF:8996388423.2/38
All: -1.233+/-0.000 χ²/NDF: 17179857779.2/

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:272508.1/19

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:398735.2/18

Left: 0.008+/-0.000 χ^2/NDF: 672760.1/38

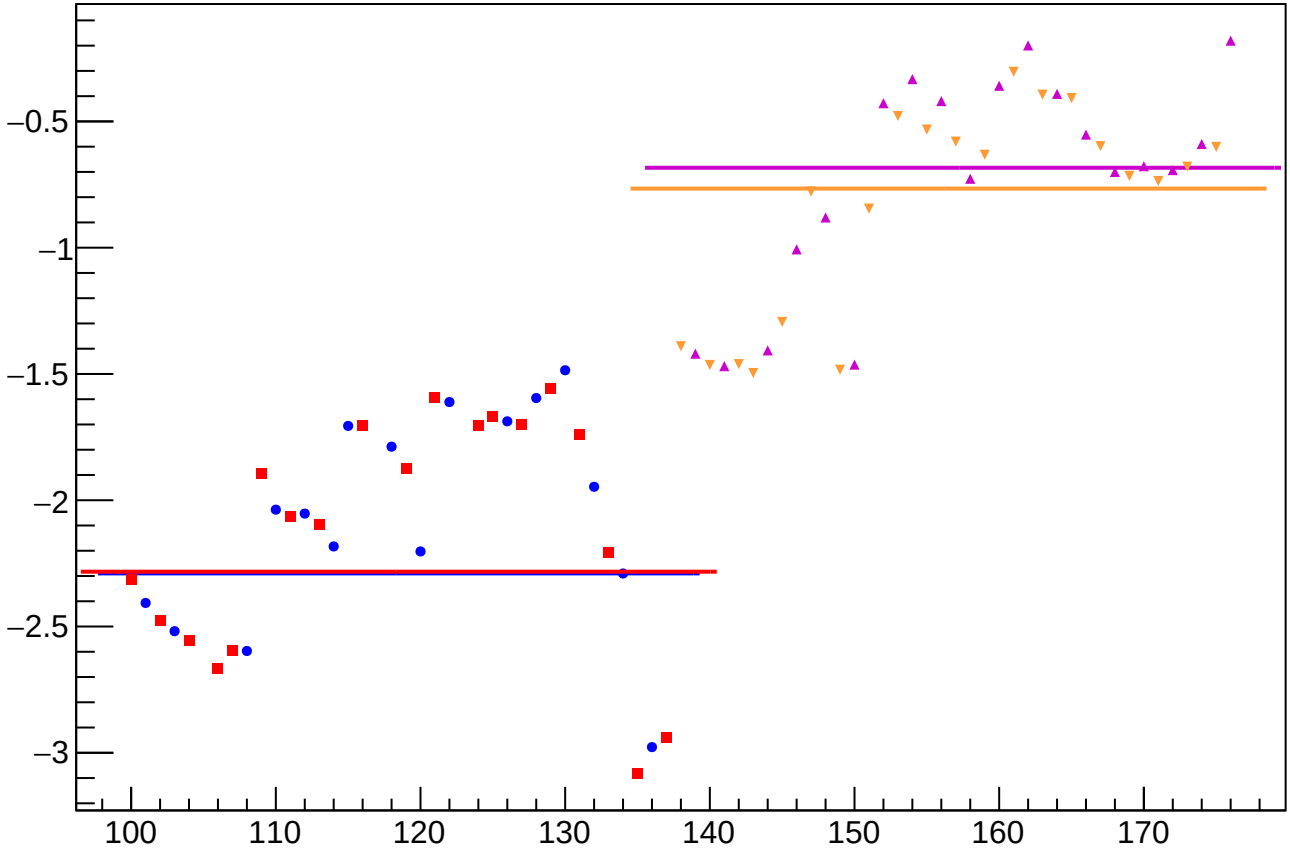
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:625142.9/34

Out: 0.008+/-0.000 χ^2/NDF:550548.5/38

All: 0.008+/-0.000 χ^2/NDF: 1176659.8/73

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.766+/-0.000 χ^2/NDF:33646550981.6/19

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.684+/-0.000 χ^2/NDF:39068397731.3/18

Left: -0.725+/-0.000 χ^2/NDF: 73711891856.3/38

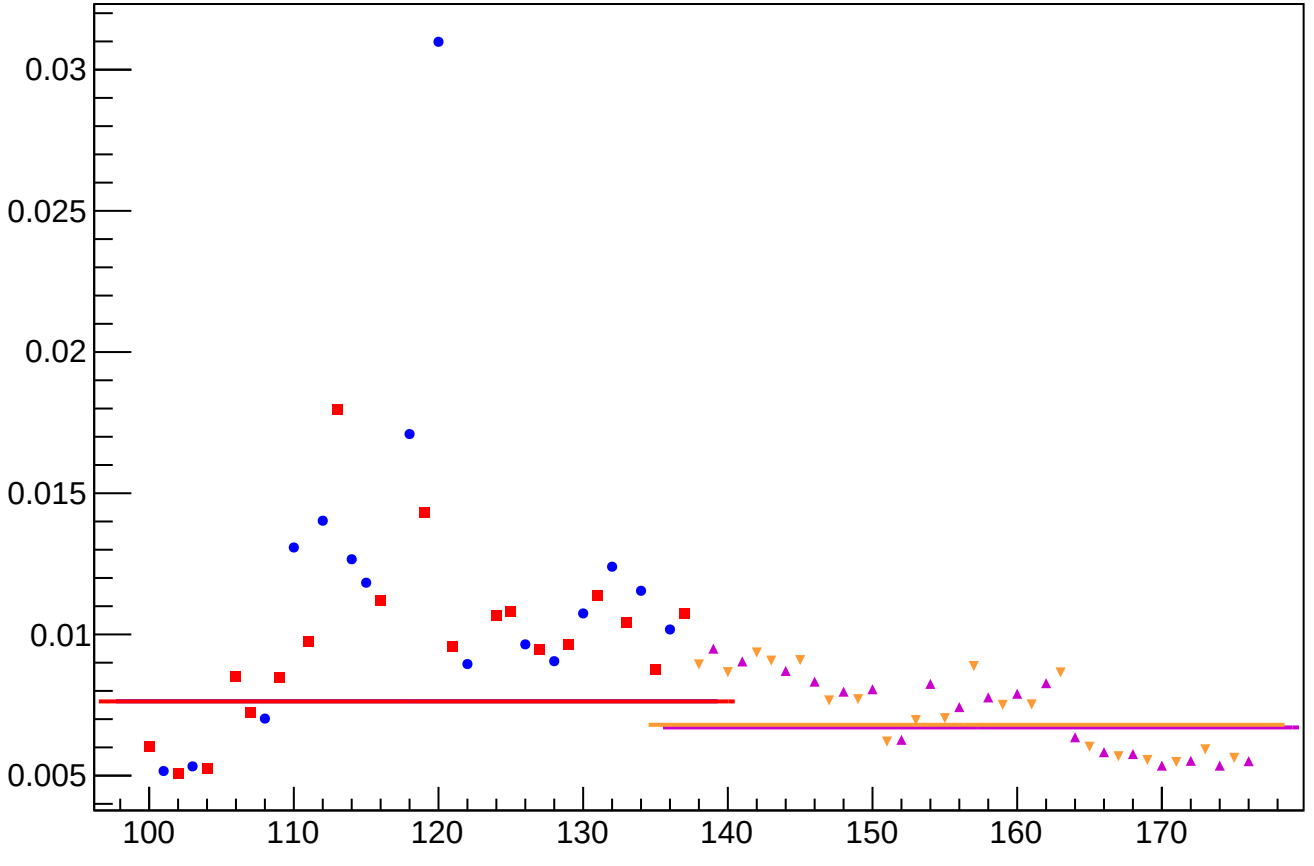
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.050+/-0.000 χ^2/NDF:228004423341.5/34

Out: -1.139+/-0.000 χ^2/NDF:216029334731.6/38

All: -1.095+/-0.000 χ^2/NDF: 445550601721.

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:945341.8/19

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1048282.6/18

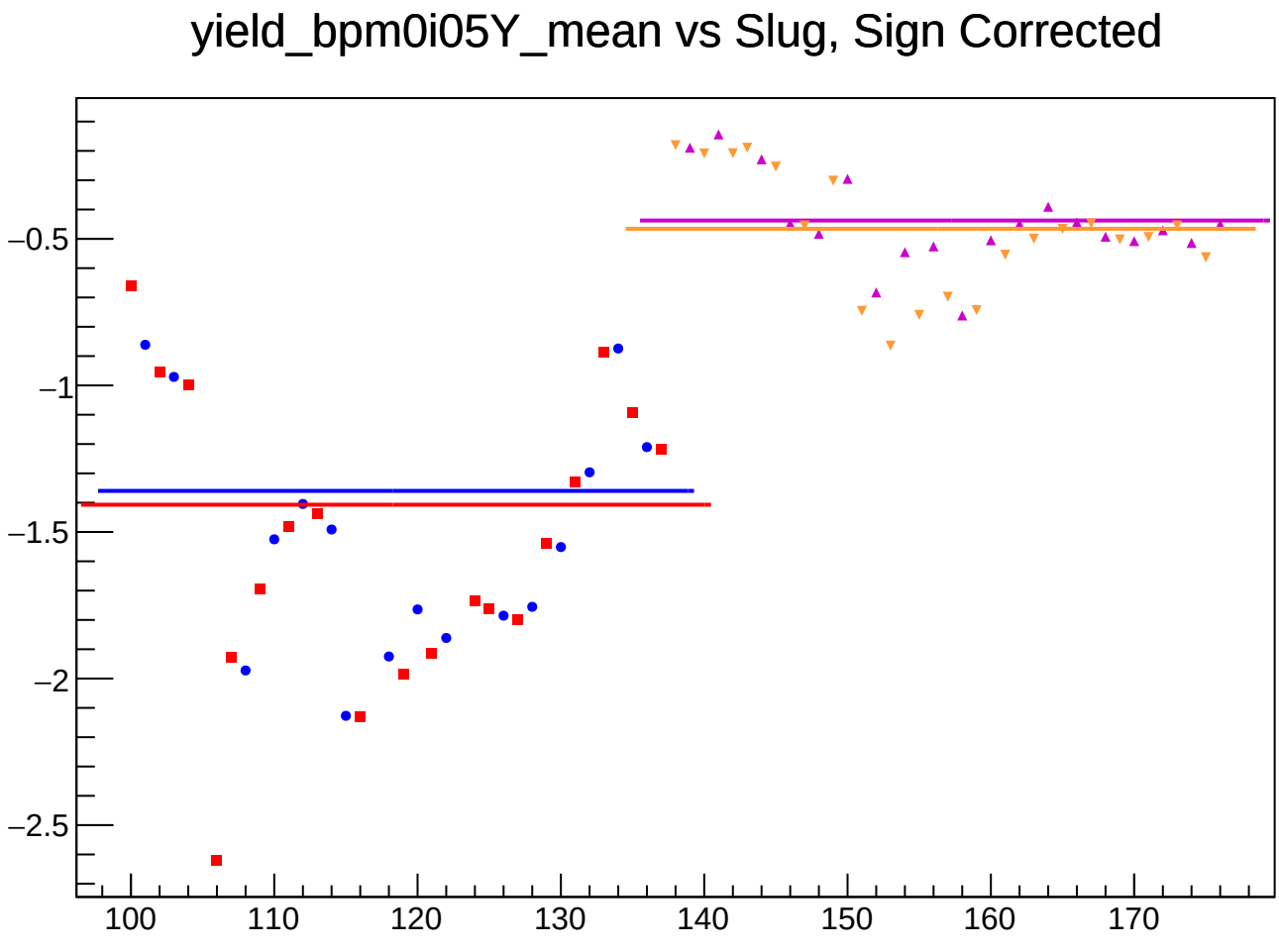
Left: 0.007+/-0.000 χ^2/NDF: 1996220.0/38

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

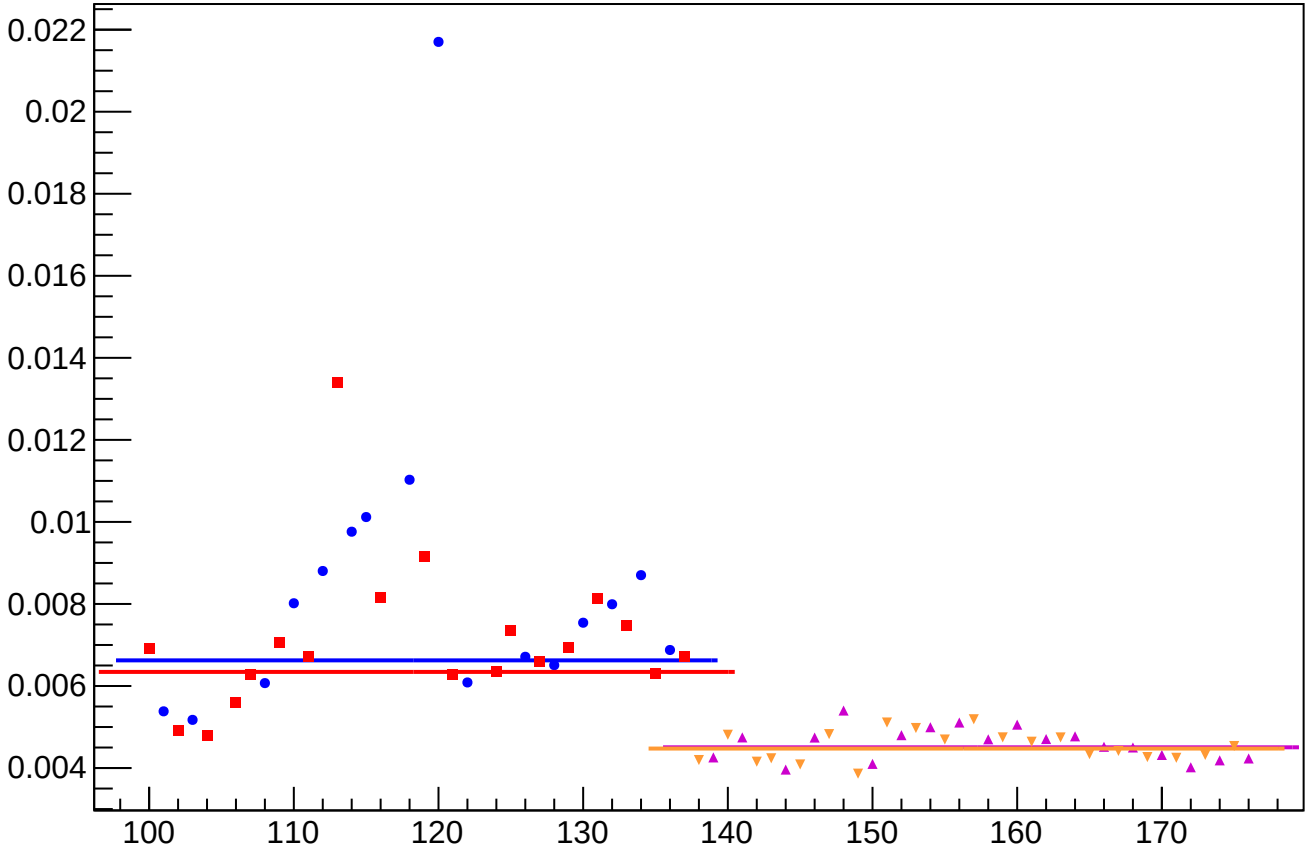
In: 0.007+/-0.000 χ^2/NDF:2874698.0/34

Out: 0.007+/-0.000 χ^2/NDF:2361418.1/38

All: 0.007+/-0.000 χ^2/NDF: 5238957.6/73


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: -0.466+/-0.000 χ²/NDF:28429538114.7/19
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.437+/-0.000 χ²/NDF:16427480937.0/18
Left: -0.452+/-0.000 χ²/NDF: 45136092852.8/38
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.585+/-0.000 χ²/NDF:132147875783.9/34
Out: -0.631+/-0.000 χ²/NDF:169406936173.9/38
All: -0.609+/-0.000 χ²/NDF: 302421830469.9

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:169977.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:203281.8/18

Left: 0.004+/-0.000 χ^2/NDF: 373907.1/38

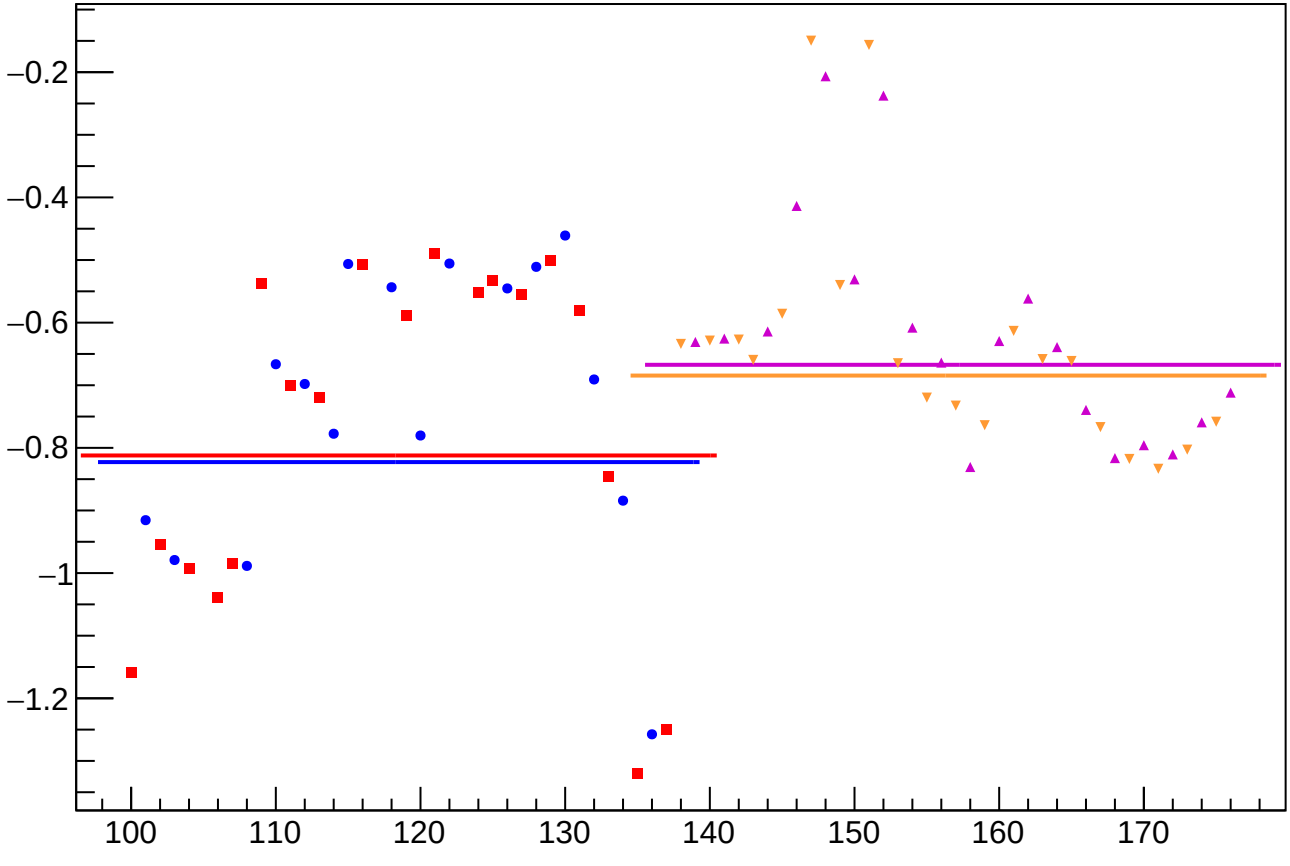
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1892315.4/34

Out: 0.005+/-0.000 χ^2/NDF:1574948.8/38

All: 0.005+/-0.000 χ^2/NDF: 3468798.2/73

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.685+/-0.000 χ^2/NDF:22307134846.8/19

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.667+/-0.000 χ^2/NDF:22453129268.5/18

Left: -0.676+/-0.000 χ^2/NDF: 44875366015.7/38

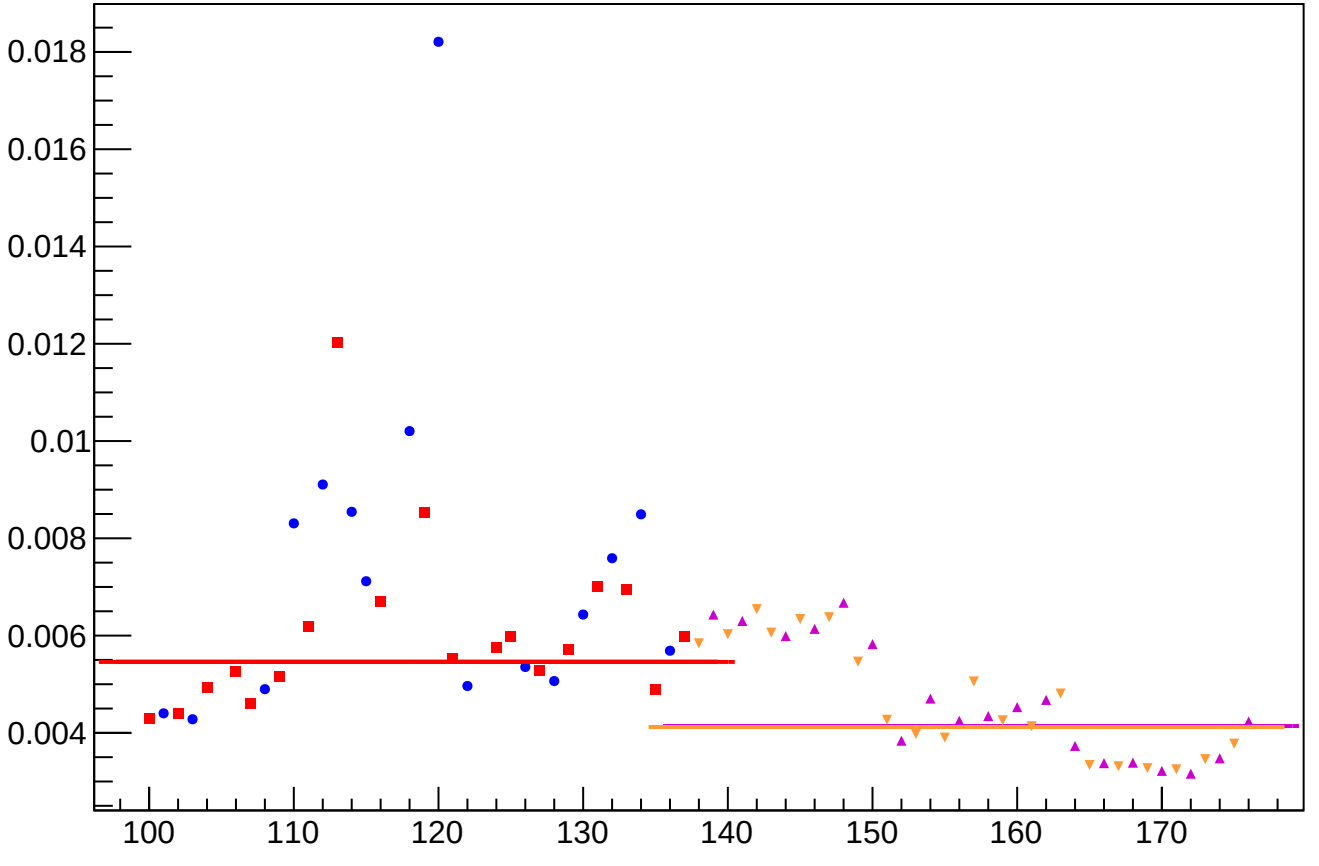
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.697+/-0.000 χ^2/NDF:38275209557.5/34

Out: -0.711+/-0.000 χ^2/NDF:39748871487.8/38

All: -0.704+/-0.000 χ^2/NDF: 78107366264.4/

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:1486680.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1603403.6/18

Left: 0.004+/-0.000 χ^2/NDF: 3090399.9/38

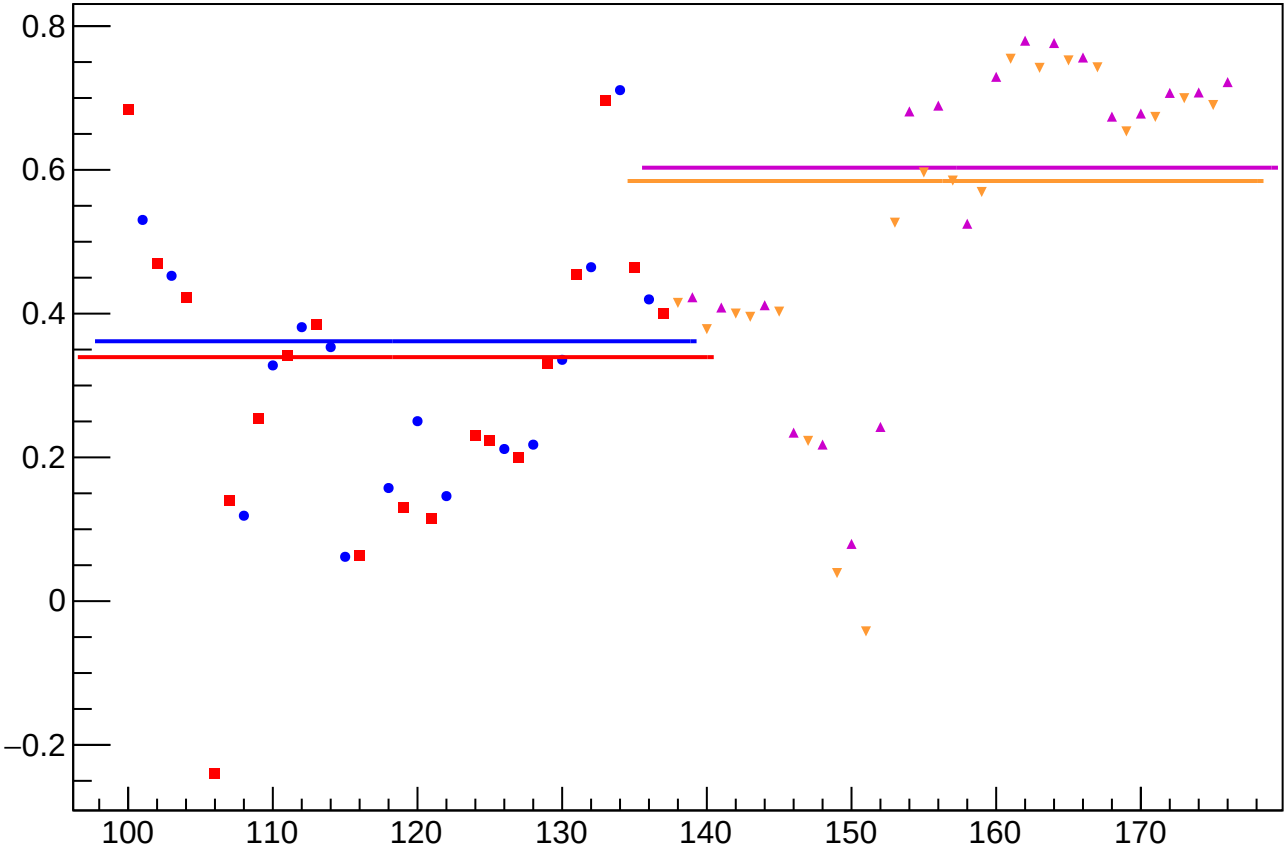
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3086062.3/34

Out: 0.004+/-0.000 χ^2/NDF:2569636.4/38

All: 0.004+/-0.000 χ^2/NDF: 5655712.9/73

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.585+/-0.000 χ^2/NDF:41468480343.9/19

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.603+/-0.000 χ^2/NDF:37462869083.0/18

Left: 0.594+/-0.000 χ^2/NDF: 79112691978.4/38

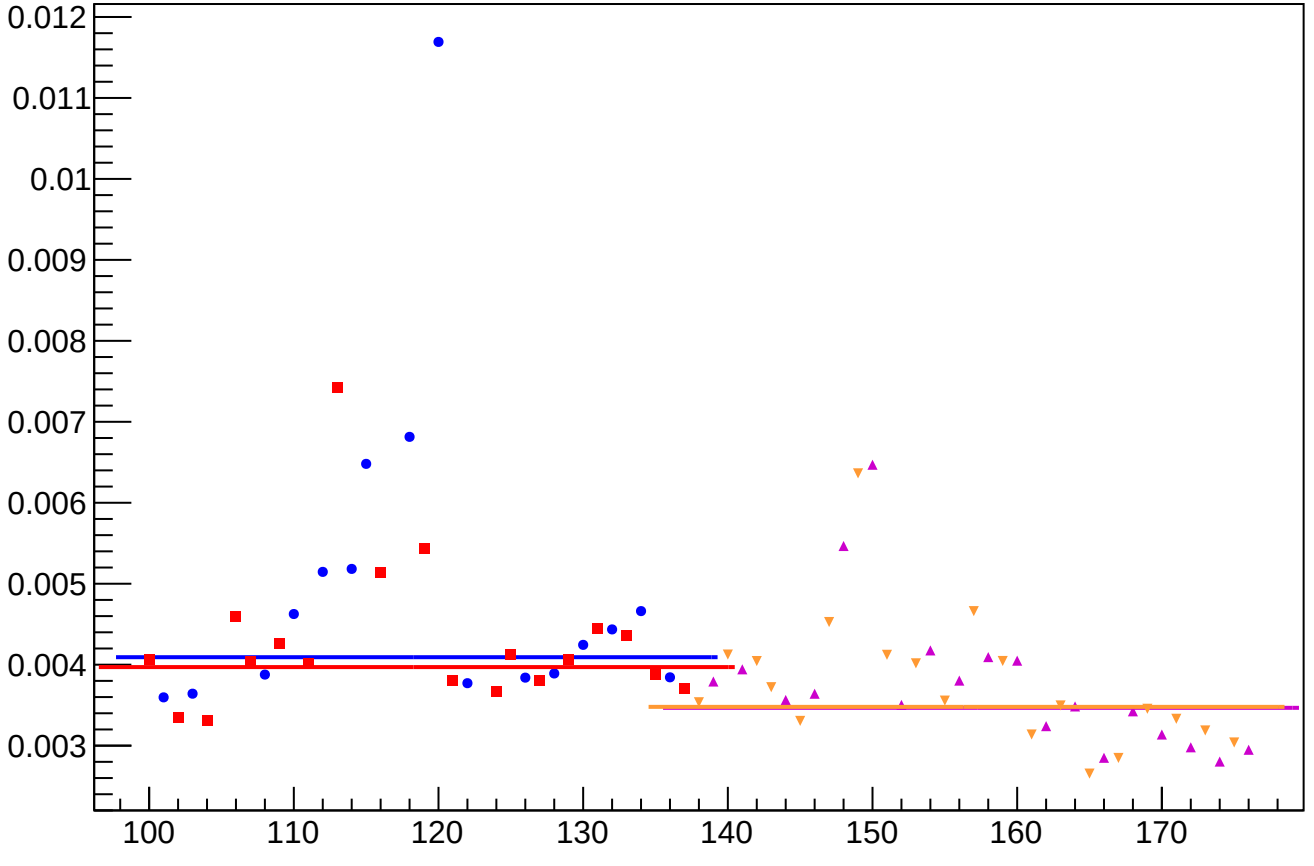
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.541+/-0.000 χ^2/NDF:62070311822.5/34

Out: 0.517+/-0.000 χ^2/NDF:71206487512.7/38

All: 0.529+/-0.000 χ^2/NDF: 133694226566.0

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:801423.7/19

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862592.2/18

Left: 0.003+/-0.000 χ^2/NDF: 1664168.3/38

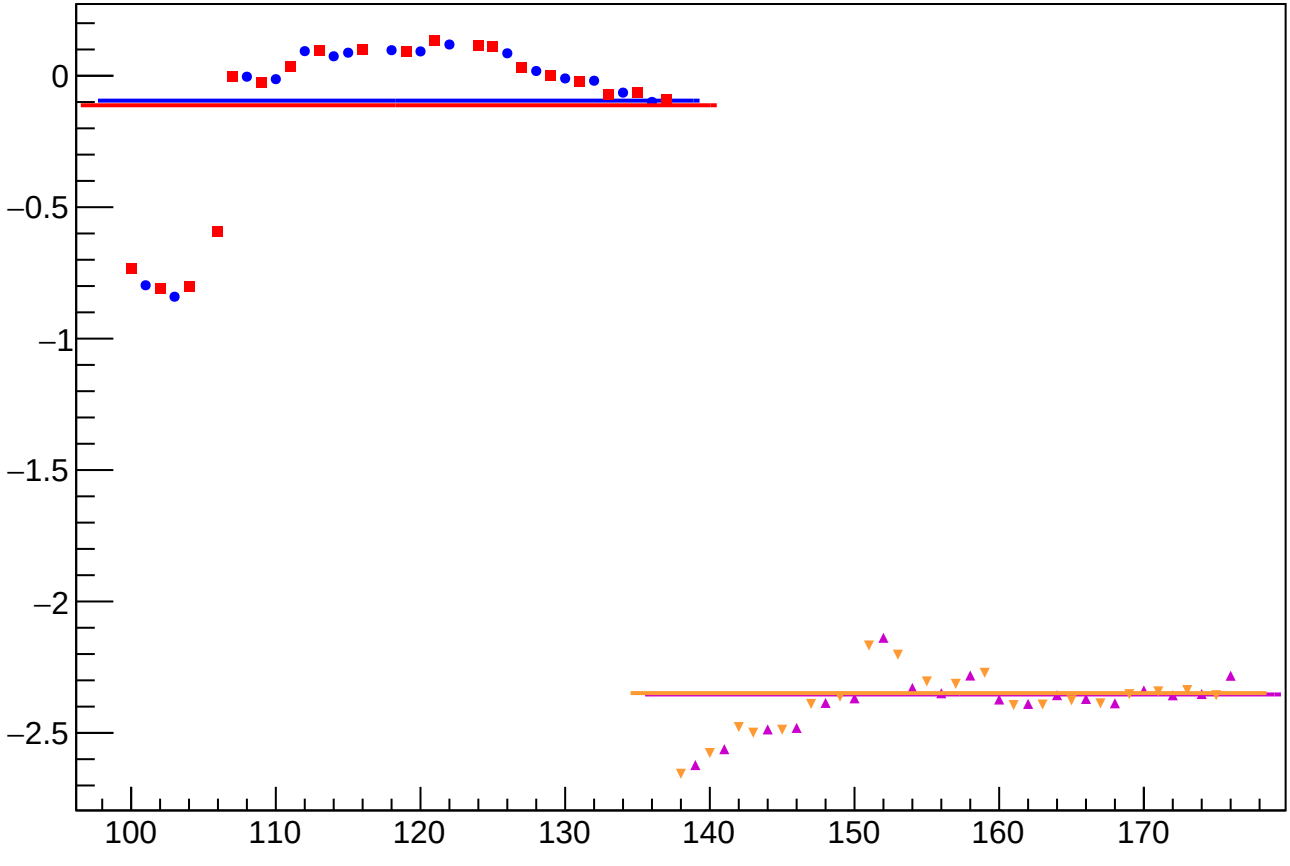
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1566708.6/34

Out: 0.004+/-0.000 χ^2/NDF:1257123.7/38

All: 0.004+/-0.000 χ^2/NDF: 2824088.6/73

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1675016269.0/19

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.354+/-0.000 χ^2/NDF:1359114488.3/18

Left: -2.351+/-0.000 χ^2/NDF: 3036424470.2/38

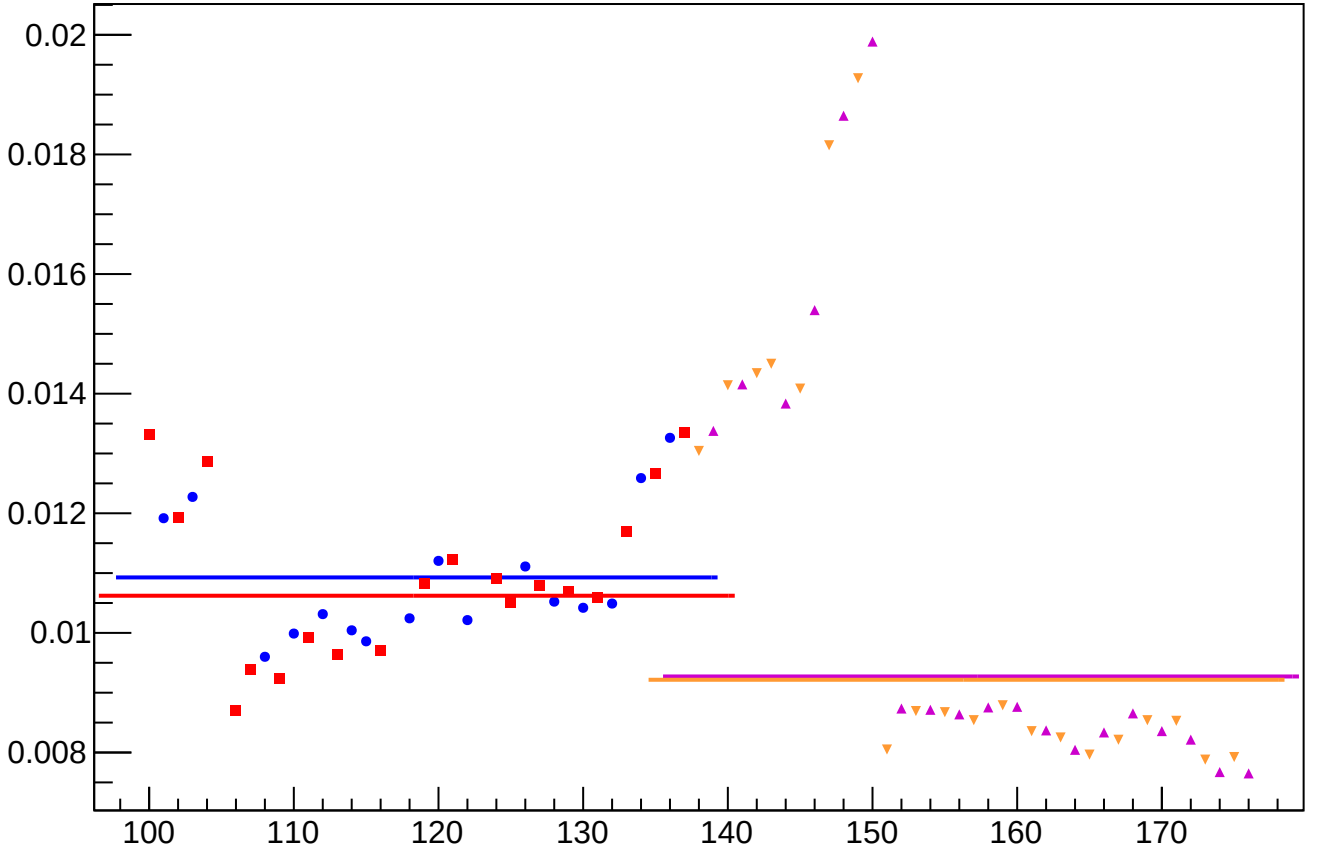
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.761+/-0.000 χ^2/NDF:231365258823.9/34

Out: -1.737+/-0.000 χ^2/NDF:245274201596.2/38

All: -1.749+/-0.000 χ^2/NDF: 476705789456.8

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1968697.5/19

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2058216.2/18

Left: 0.009+/-0.000 χ^2/NDF: 4027433.7/38

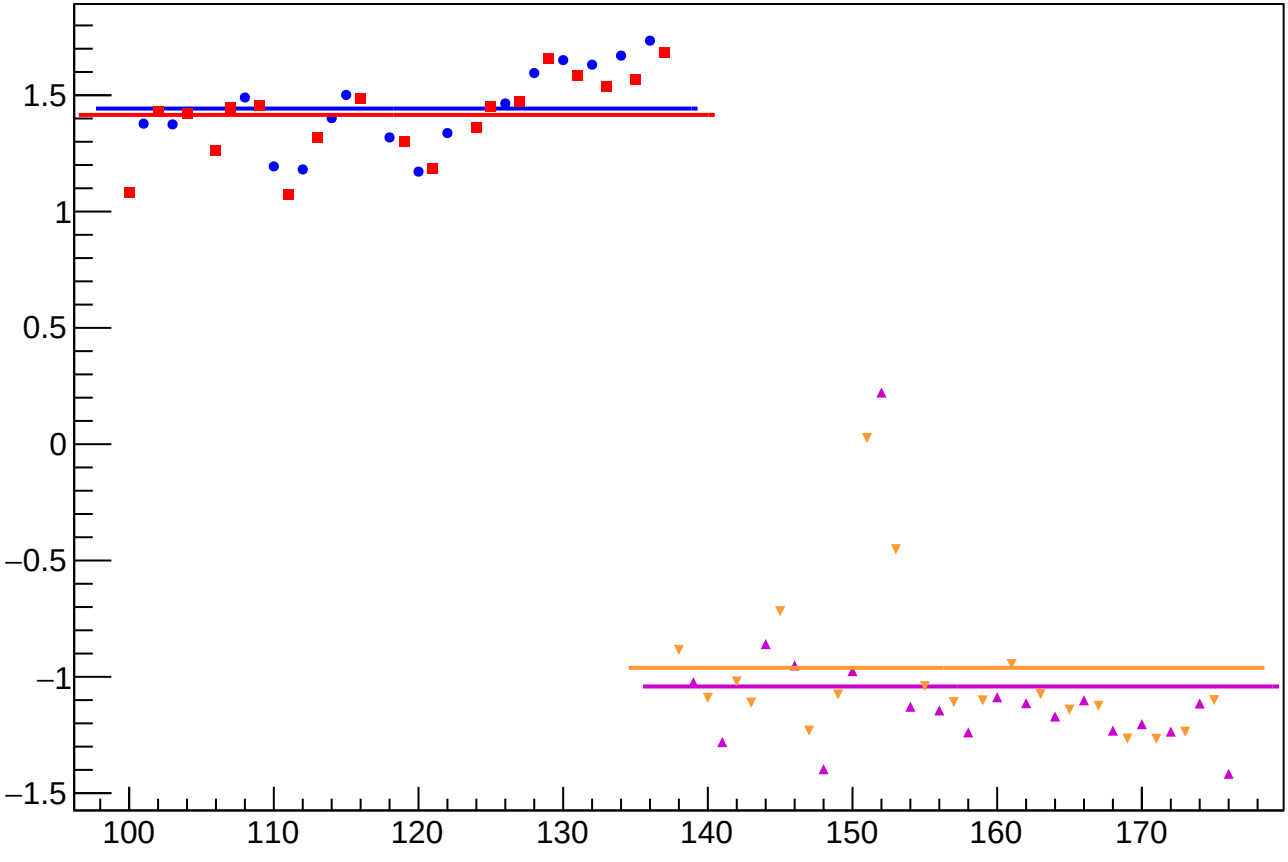
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2435993.8/34

Out: 0.010+/-0.000 χ^2/NDF:2346693.4/38

All: 0.010+/-0.000 χ^2/NDF: 4785283.0/73

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.961+/-0.000 χ^2/NDF:36279955935.9/19

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.041+/-0.000 χ^2/NDF:45056487119.1/18

Left: -1.001+/-0.000 χ^2/NDF: 82240723535.9/38

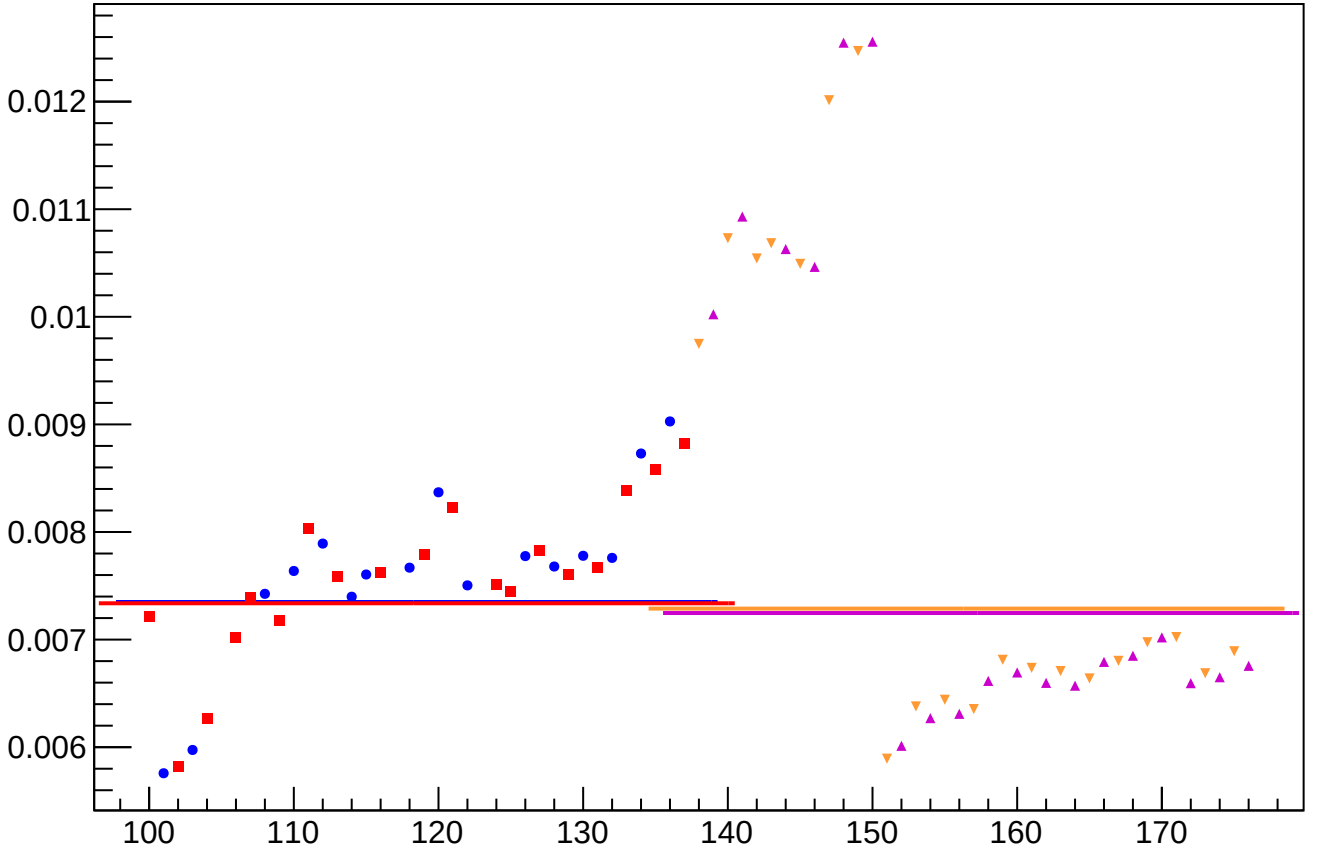
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.250+/-0.000 χ^2/NDF:598777992244.8/34

Out: -0.185+/-0.000 χ^2/NDF:560005593765.1/38

All: -0.217+/-0.000 χ^2/NDF: 1159641712103

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:1477568.7/19

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1553316.2/18

Left: 0.007+/-0.000 χ^2/NDF: 3031361.6/38

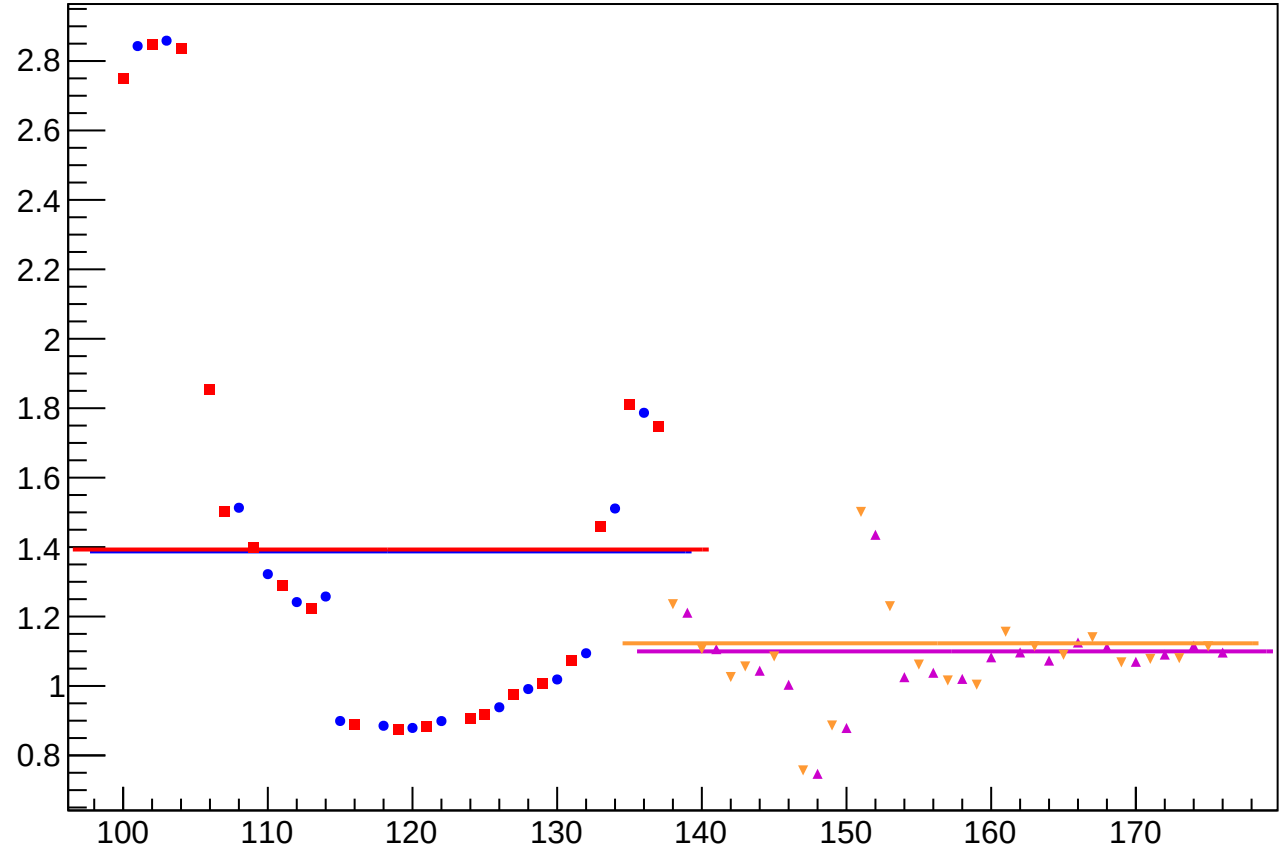
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1826047.9/34

Out: 0.007+/-0.000 χ^2/NDF:1673390.0/38

All: 0.007+/-0.000 χ^2/NDF: 3499690.1/73

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5486541418.6/19

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4185699384.4/18

Left: 1.112+/-0.000 χ^2/NDF: 9750200943.0/38

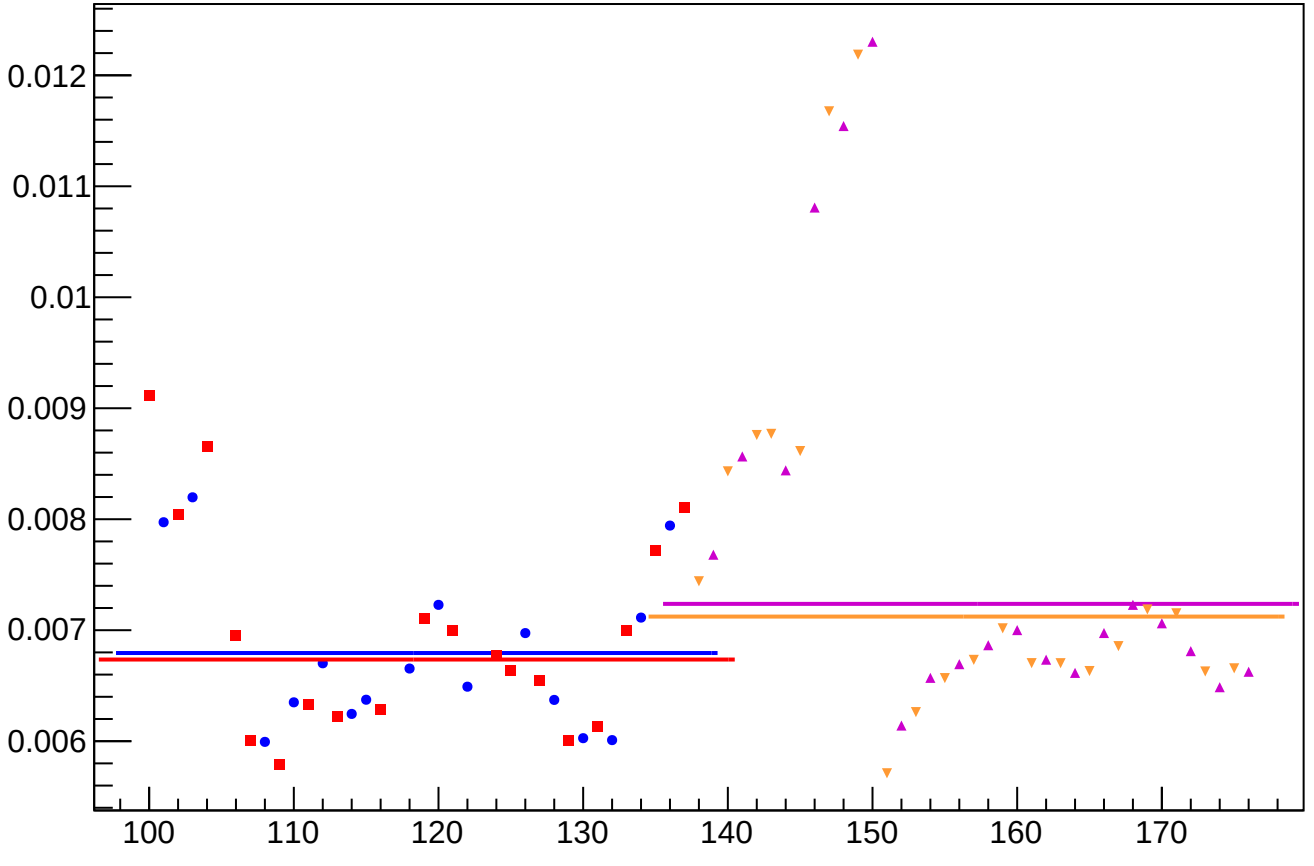
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.201+/-0.000 χ^2/NDF:71046829825.6/34

Out: 1.219+/-0.000 χ^2/NDF:68493390163.3/38

All: 1.210+/-0.000 χ^2/NDF: 139605952554.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:844162.5/19

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:908680.7/18

Left: 0.007+/-0.000 χ^2/NDF: 1756618.5/38

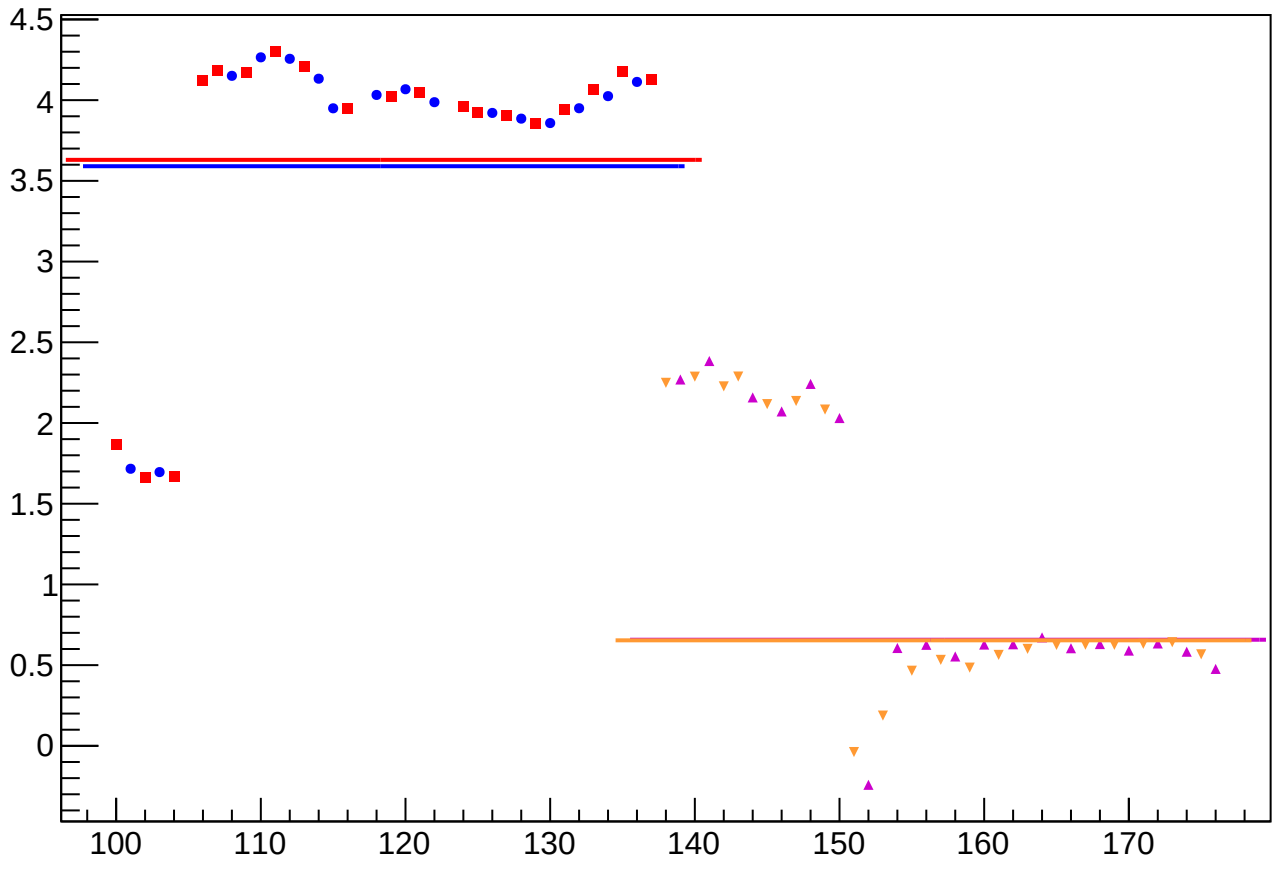
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1112135.8/34

Out: 0.007+/-0.000 χ^2/NDF:1074021.5/38

All: 0.007+/-0.000 χ^2/NDF: 2190187.2/73

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.654+/-0.000 χ^2/NDF:244884611673.5/19

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.657+/-0.000 χ^2/NDF:245345661645.7/18

Left: 0.656+/-0.000 χ^2/NDF: 490236197654.5/38

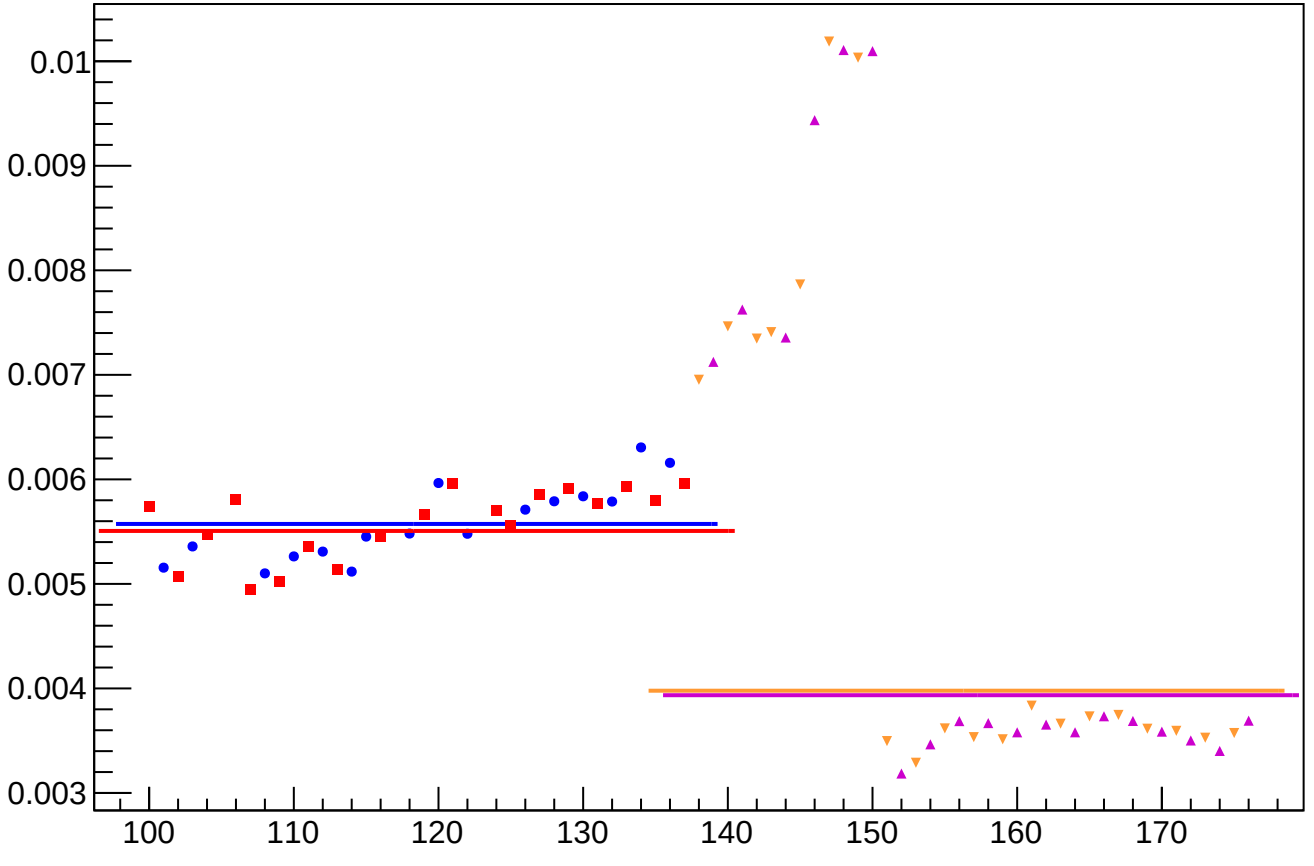
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.272+/-0.000 χ^2/NDF:2016903700339.3/34

Out: 1.300+/-0.000 χ^2/NDF:2127893266358.0/38

All: 1.286+/-0.000 χ^2/NDF: 4145223536578.

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:2894118.6/19

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3103537.1/18

Left: 0.004+/-0.000 χ^2/NDF: 5999271.9/38

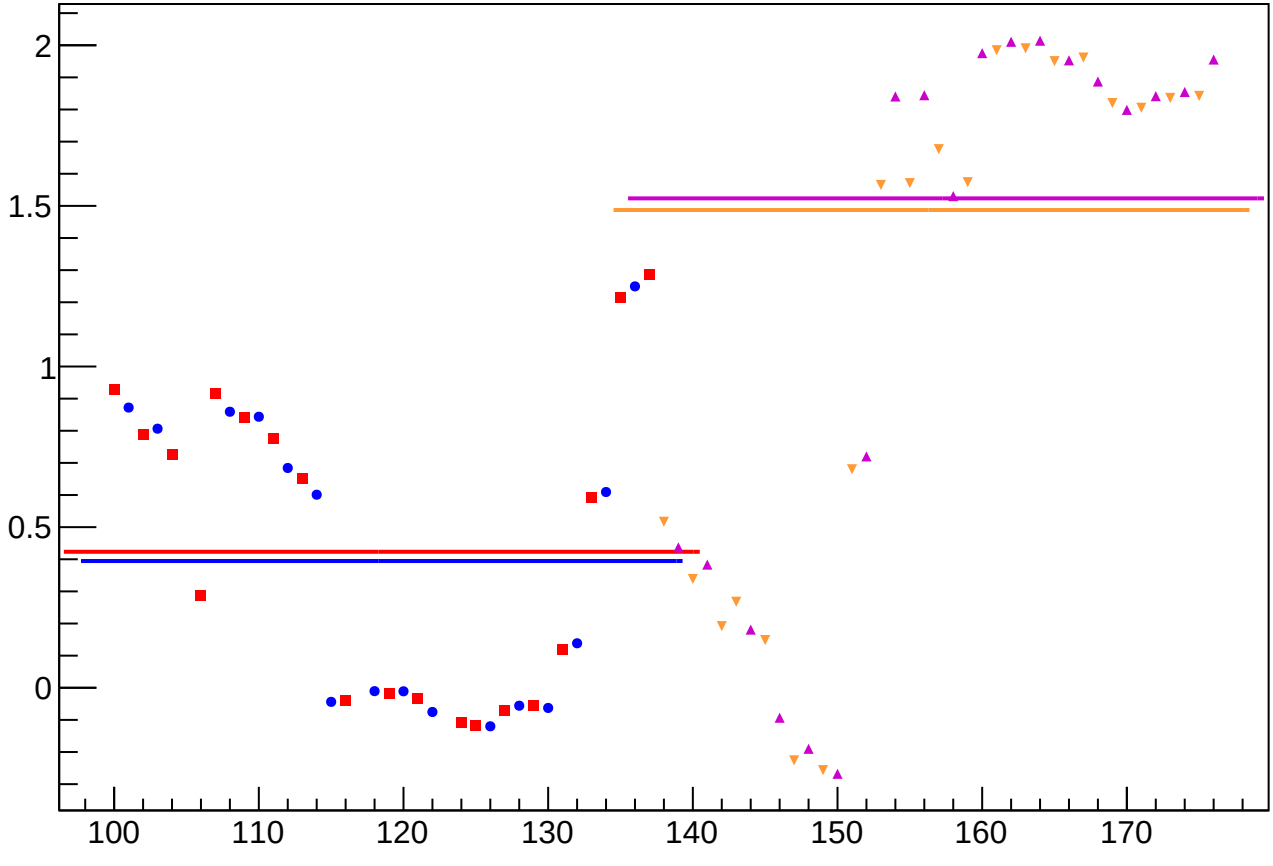
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4141882.3/34

Out: 0.004+/-0.000 χ^2/NDF:3832466.3/38

All: 0.004+/-0.000 χ^2/NDF: 7975451.5/73

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.487+/-0.000 χ^2/NDF:55041749474.9/19

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.523+/-0.000 χ^2/NDF:61025157343.7/18

Left: 1.505+/-0.000 χ^2/NDF: 116153656198.9/38

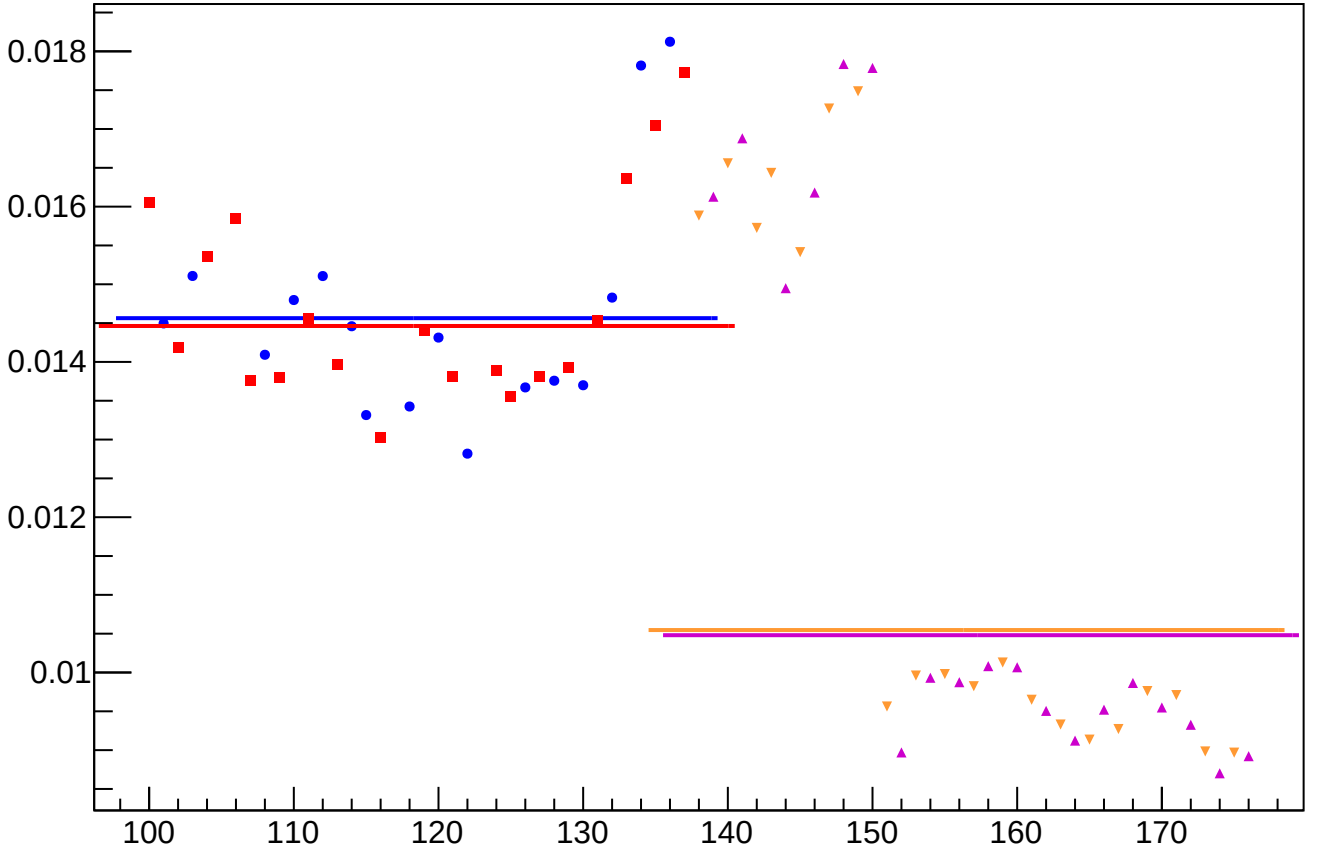
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.295+/-0.000 χ^2/NDF:102461593300.0/34

Out: 1.267+/-0.000 χ^2/NDF:93196923747.3/38

All: 1.281+/-0.000 χ^2/NDF: 195727167394.4

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:1618922.2/19

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1690137.6/18

Left: 0.011+/-0.000 χ^2/NDF: 3309643.4/38

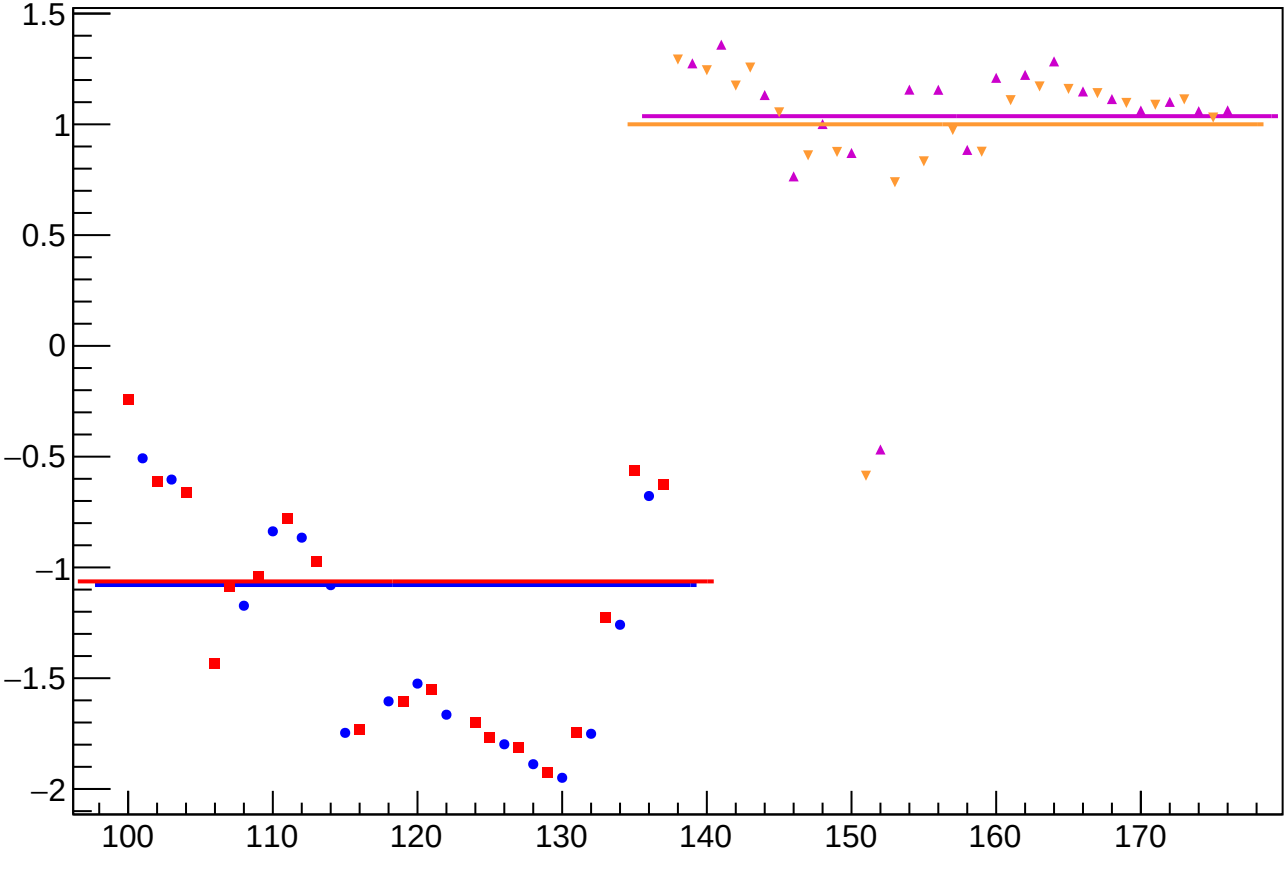
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2713645.0/34

Out: 0.011+/-0.000 χ^2/NDF:2543190.7/38

All: 0.011+/-0.000 χ^2/NDF: 5257310.3/73

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.000+/-0.000 χ^2/NDF:110470461483.4/19

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.037+/-0.000 χ^2/NDF:125260806463.0/18

Left: 1.018+/-0.000 χ^2/NDF: 236485593026.6/38

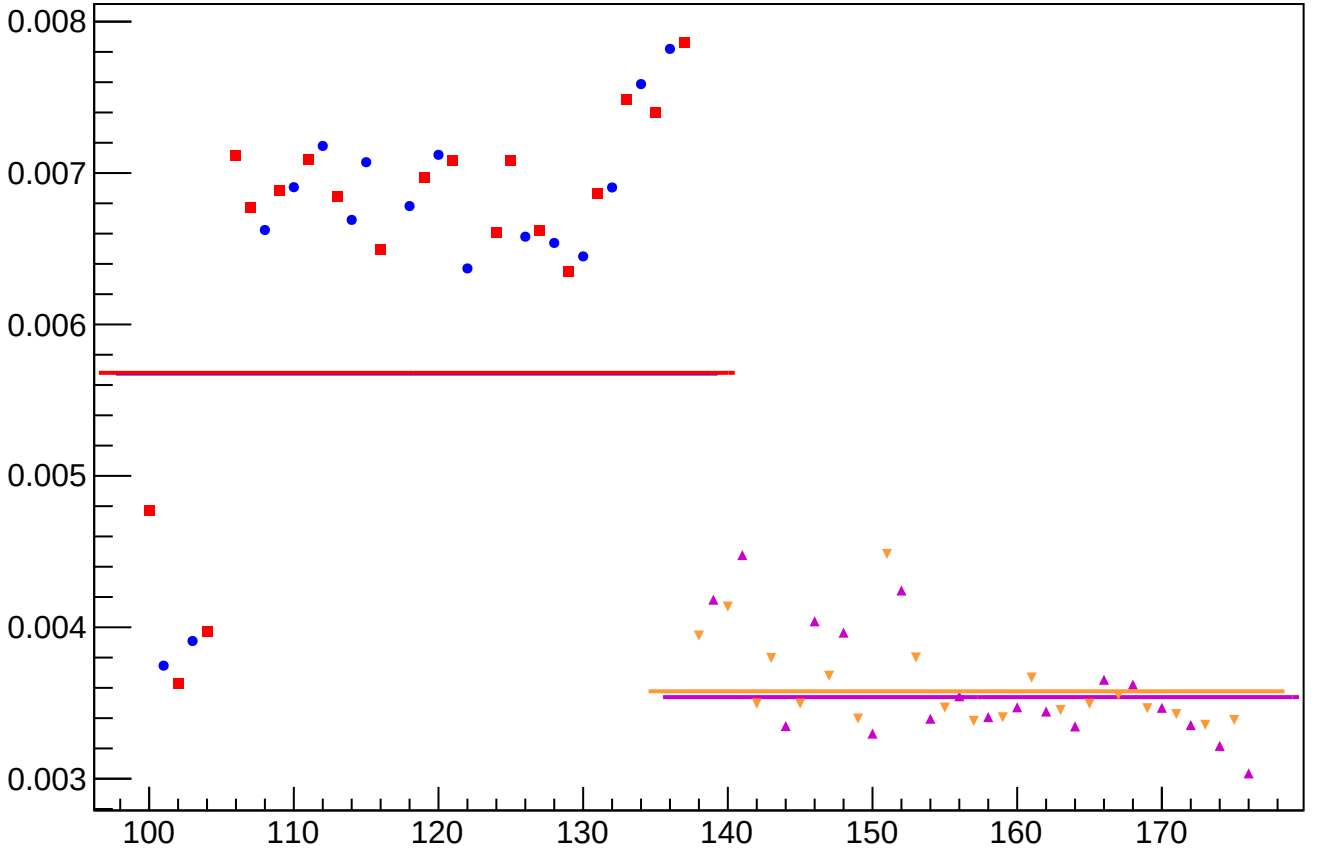
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.719+/-0.000 χ^2/NDF:937053541959.8/34

Out: 0.689+/-0.000 χ^2/NDF:882582488771.8/38

All: 0.704+/-0.000 χ^2/NDF: 1820235880699.

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:143687.5/19

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:272145.2/18

Left: 0.004+/-0.000 χ^2/NDF: 417488.9/38

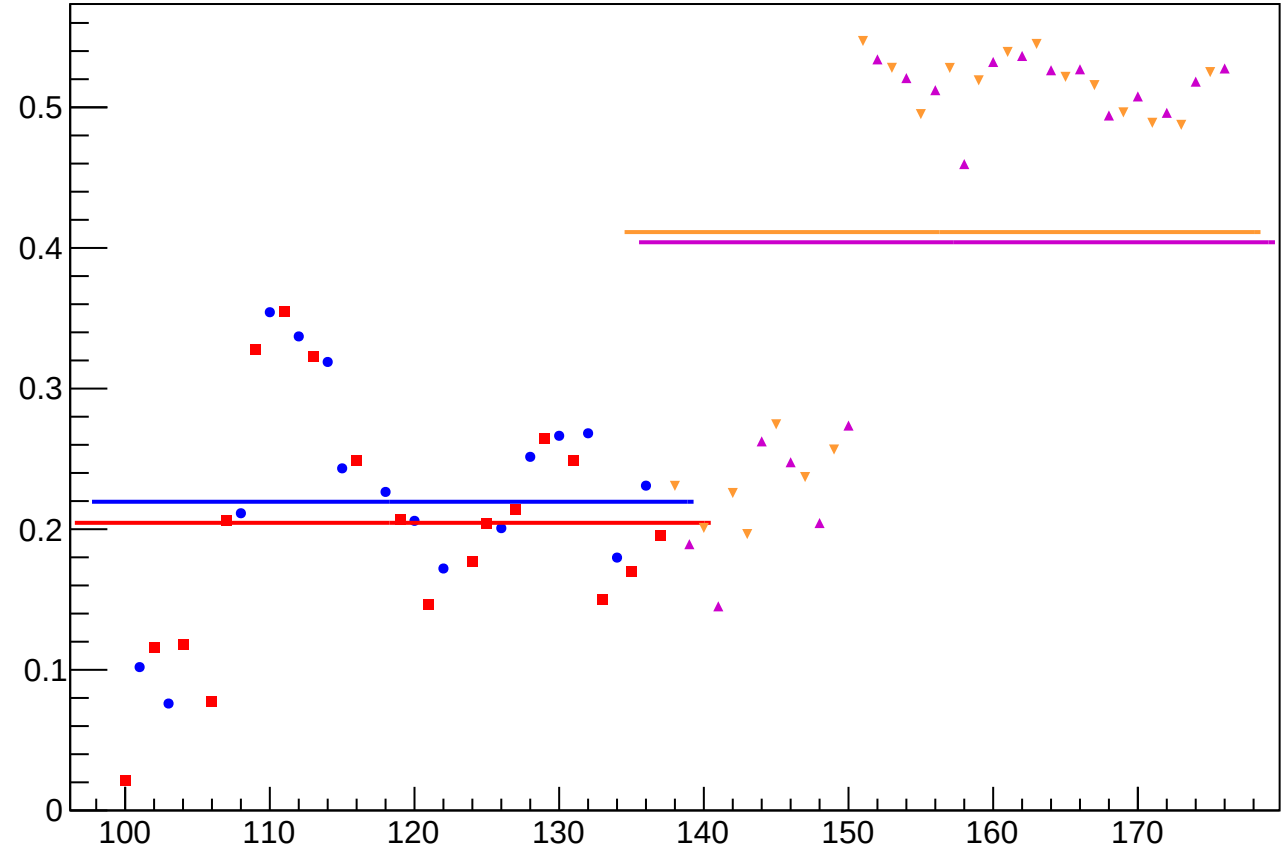
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2750866.6/34

Out: 0.004+/-0.000 χ^2/NDF:2625217.2/38

All: 0.004+/-0.000 χ^2/NDF: 5377682.3/73

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.411+/-0.000 χ^2/NDF:141026966117.3/19

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.404+/-0.000 χ^2/NDF:141457013711.1/18

Left: 0.408+/-0.000 χ^2/NDF: 282664118317.8/38

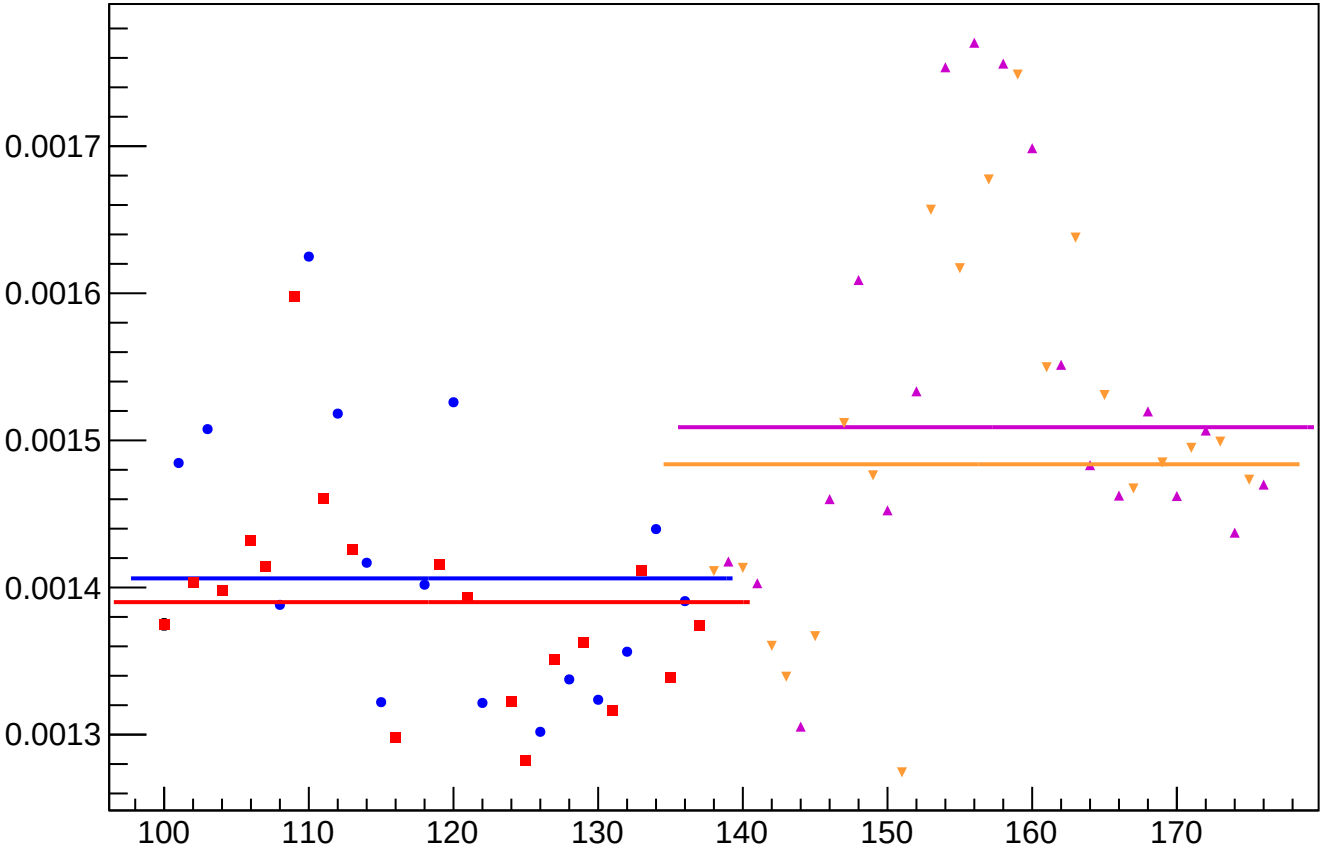
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.340+/-0.000 χ^2/NDF:236477637771.0/34

Out: 0.339+/-0.000 χ^2/NDF:268971591542.5/38

All: 0.340+/-0.000 χ^2/NDF: 505457421383.2

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:201150.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204513.0/18

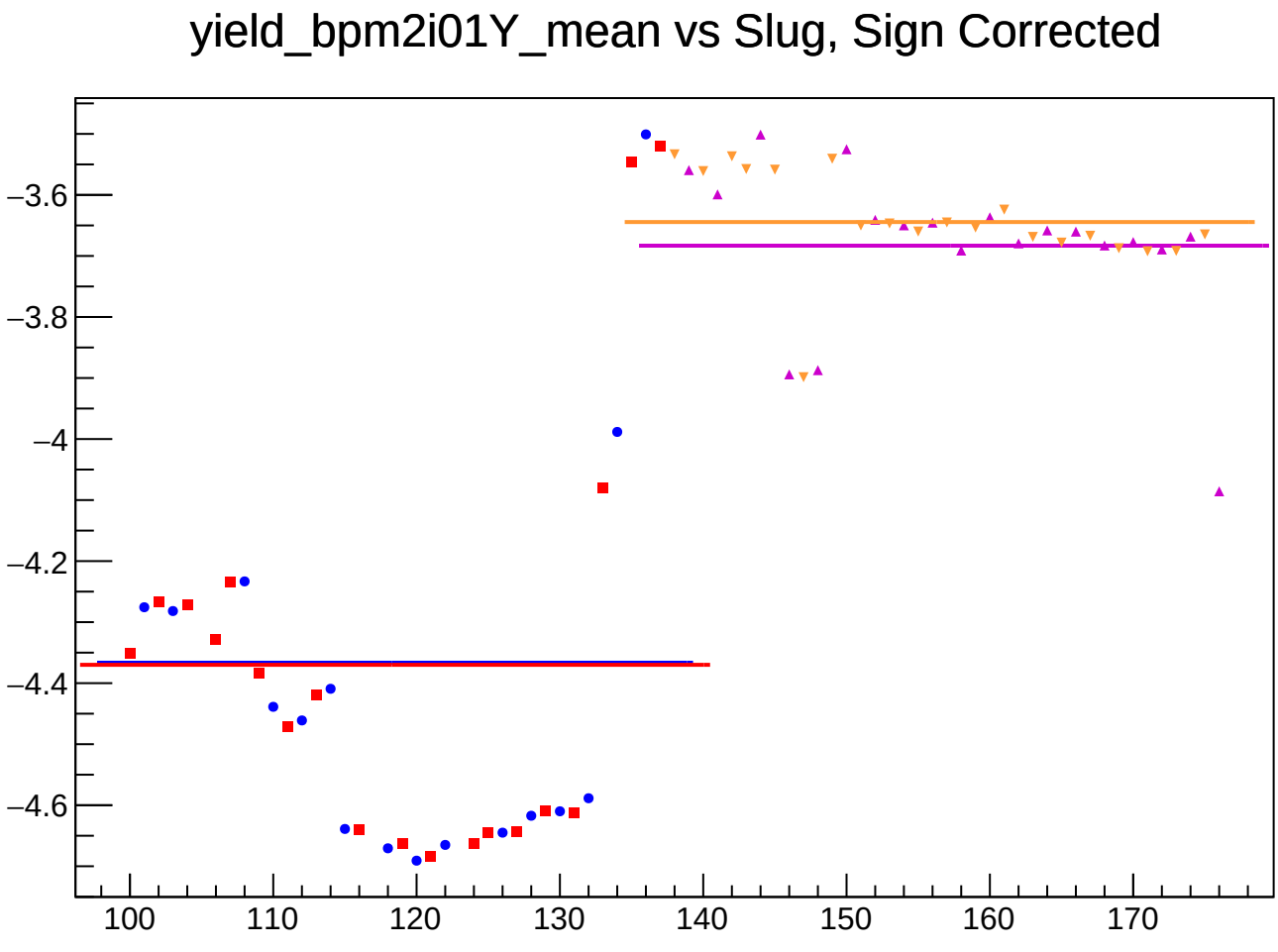
Left: 0.001+/-0.000 χ^2/NDF: 410028.4/38

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

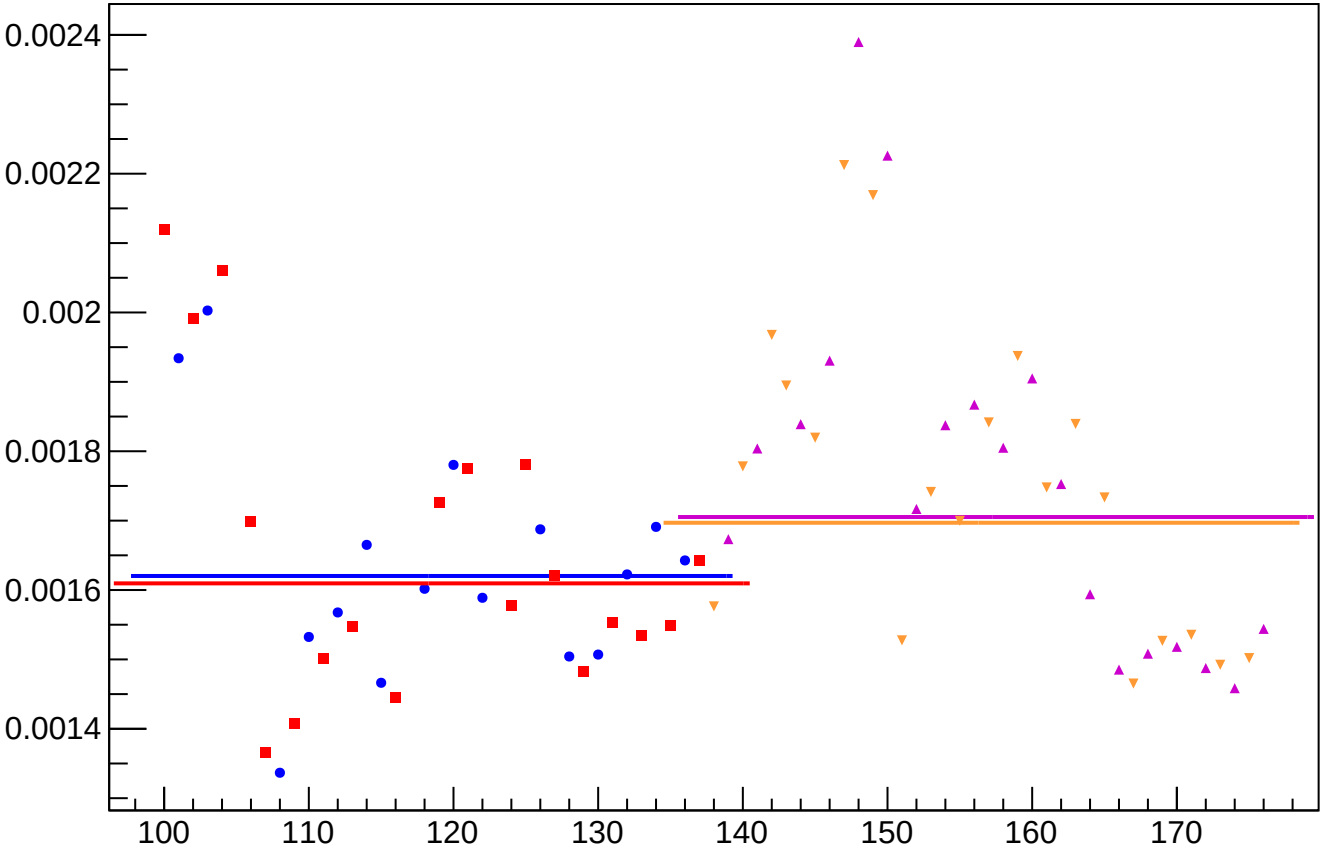
In: 0.001+/-0.000 χ^2/NDF:301277.7/34

Out: 0.001+/-0.000 χ^2/NDF:279334.5/38

All: 0.001+/-0.000 χ^2/NDF: 585916.6/73


yield_bpm2i01Y_mean vs Slug, Sign Corrected
−3.6
−3.8
−4
−4.2
−4.4
−4.6
100
110
120
130
140
150
160
170
Right In: -4.367+/-0.000 χ²/NDF: 353013303743.6/15
Left Out: -3.644+/-0.000 χ²/NDF:25143170342.2/19
Right Out: -4.370+/-0.000 χ²/NDF: 296136368274.3/18
Left In: -3.683+/-0.000 χ²/NDF:81352511266.6/18
Left: -3.664+/-0.000 χ²/NDF: 110389504119.1/38
Right: -4.368+/-0.000 χ²/NDF: 649165512283.3/34
In: -3.915+/-0.000 χ²/NDF:1243096831362.8/34
Out: -3.893+/-0.000 χ²/NDF:1271941014400.3/38
All: -3.904+/-0.000 χ²/NDF: 2516855238009

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:417763.3/19

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:491430.8/18

Left: 0.002+/-0.000 χ^2/NDF: 909547.7/38

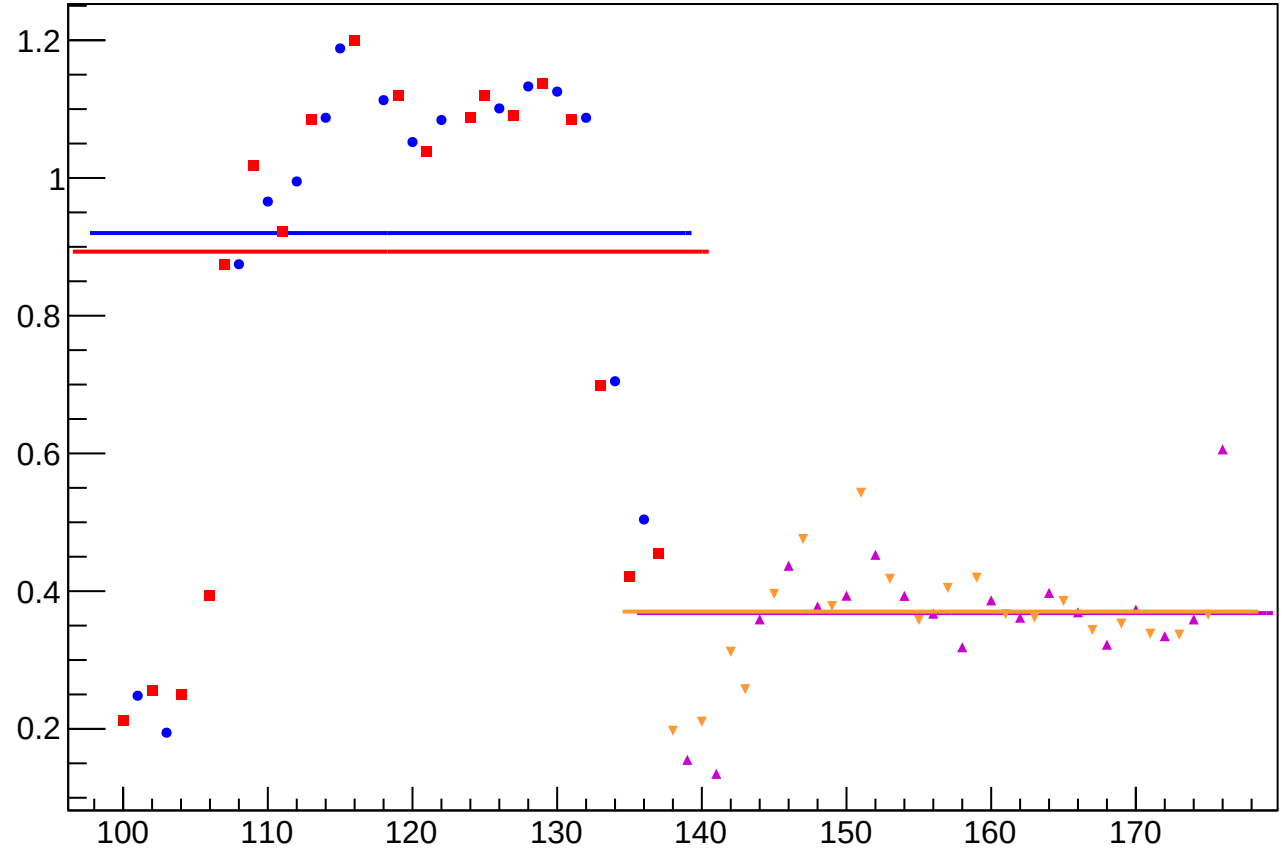
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:656650.3/34

Out: 0.002+/-0.000 χ^2/NDF:630306.7/38

All: 0.002+/-0.000 χ^2/NDF: 1287656.6/73

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.370+/-0.000 χ^2/NDF:1759482824.2/19

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.368+/-0.000 χ^2/NDF:2518667744.0/18

Left: 0.369+/-0.000 χ^2/NDF: 4278867307.9/38

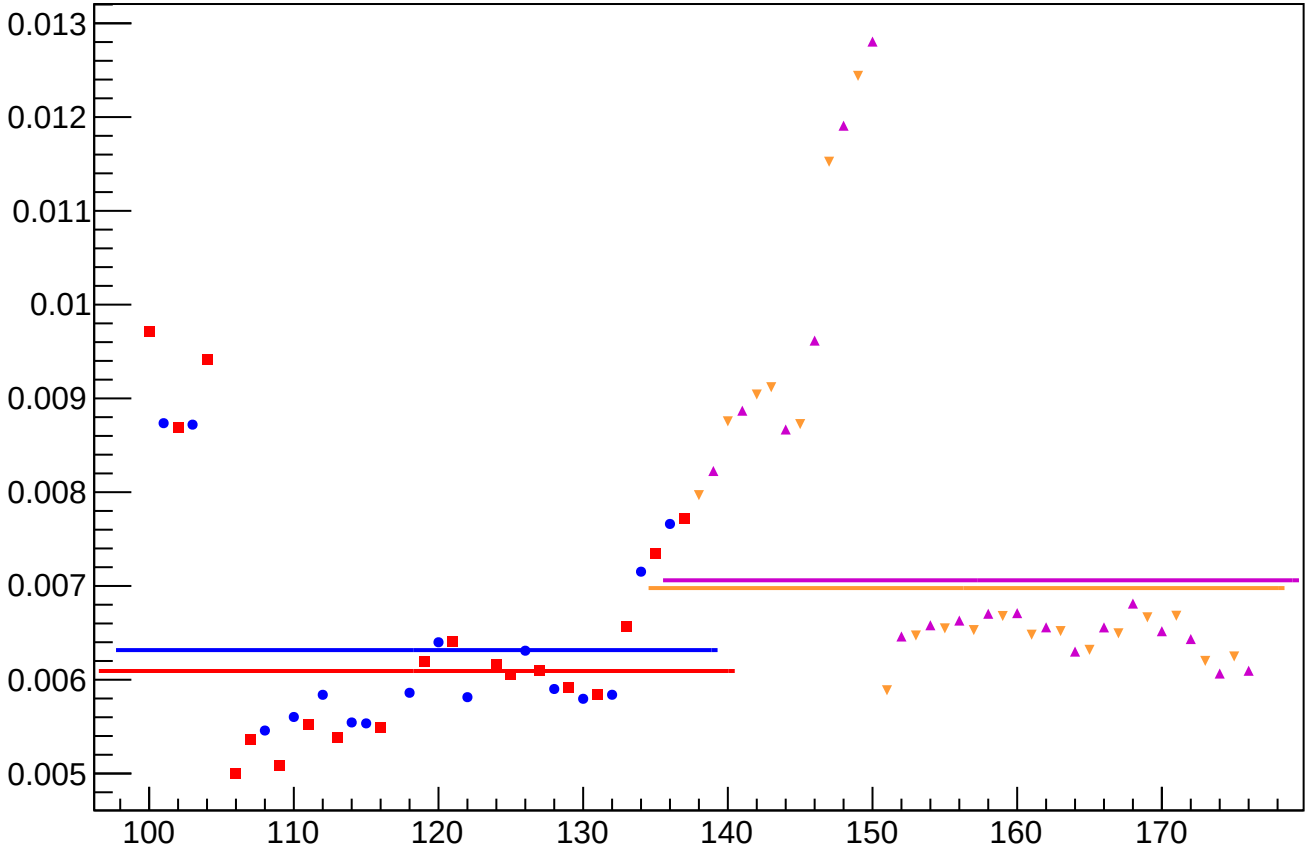
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.573+/-0.000 χ^2/NDF:50783221212.1/34

Out: 0.571+/-0.000 χ^2/NDF:52252225182.0/38

All: 0.572+/-0.000 χ^2/NDF: 103035836005.1

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:1047267.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1110061.3/18

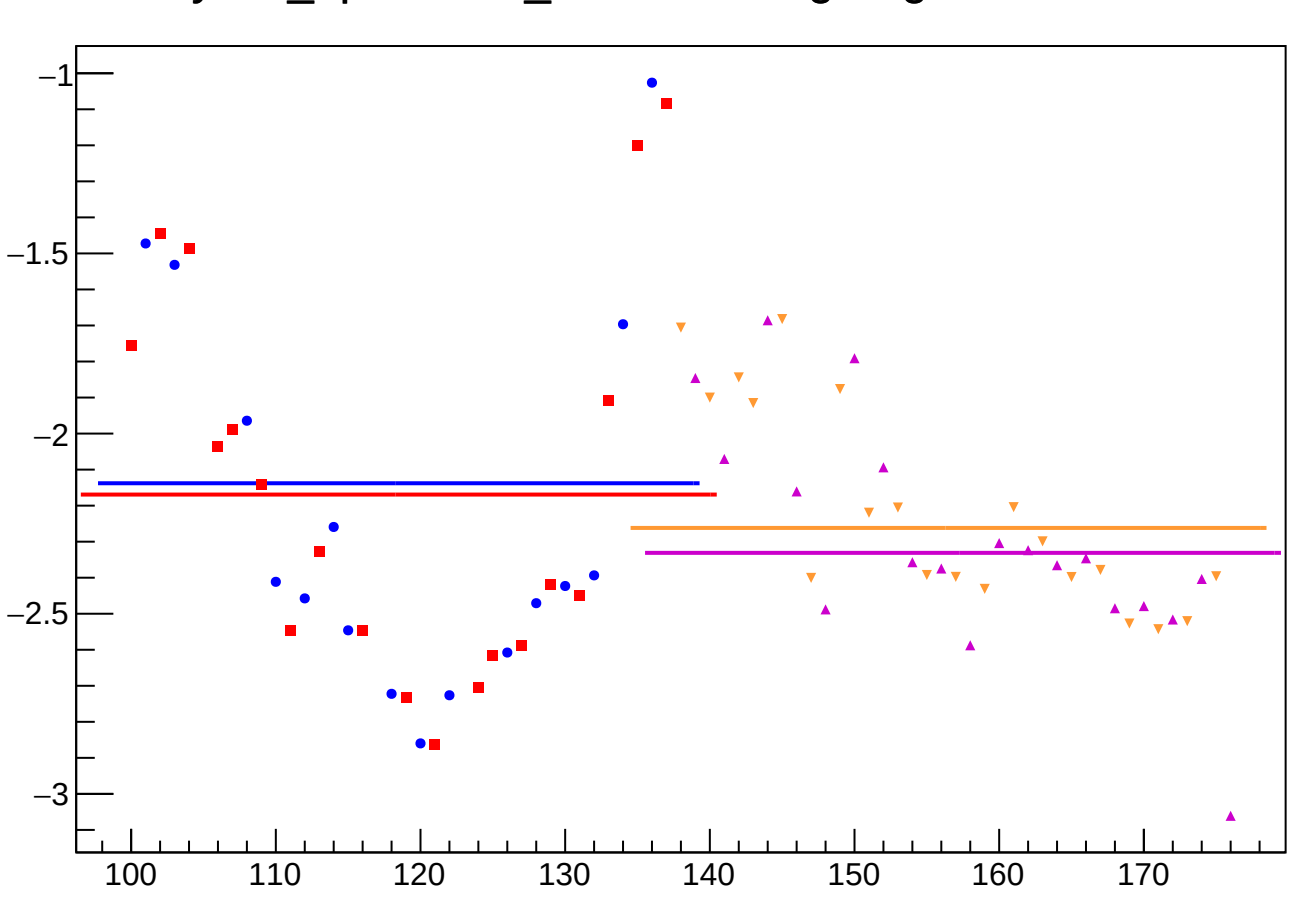
Left: 0.007+/-0.000 χ^2/NDF: 2159432.3/38

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1568394.5/34

Out: 0.007+/-0.000 χ^2/NDF:1671250.0/38

All: 0.007+/-0.000 χ^2/NDF: 3250289.4/73



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.262+/-0.000 χ^2/NDF:23199974727.7/19

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.331+/-0.000 χ^2/NDF:29096003001.5/18

Left: -2.296+/-0.000 χ^2/NDF: 53185490438.3/38

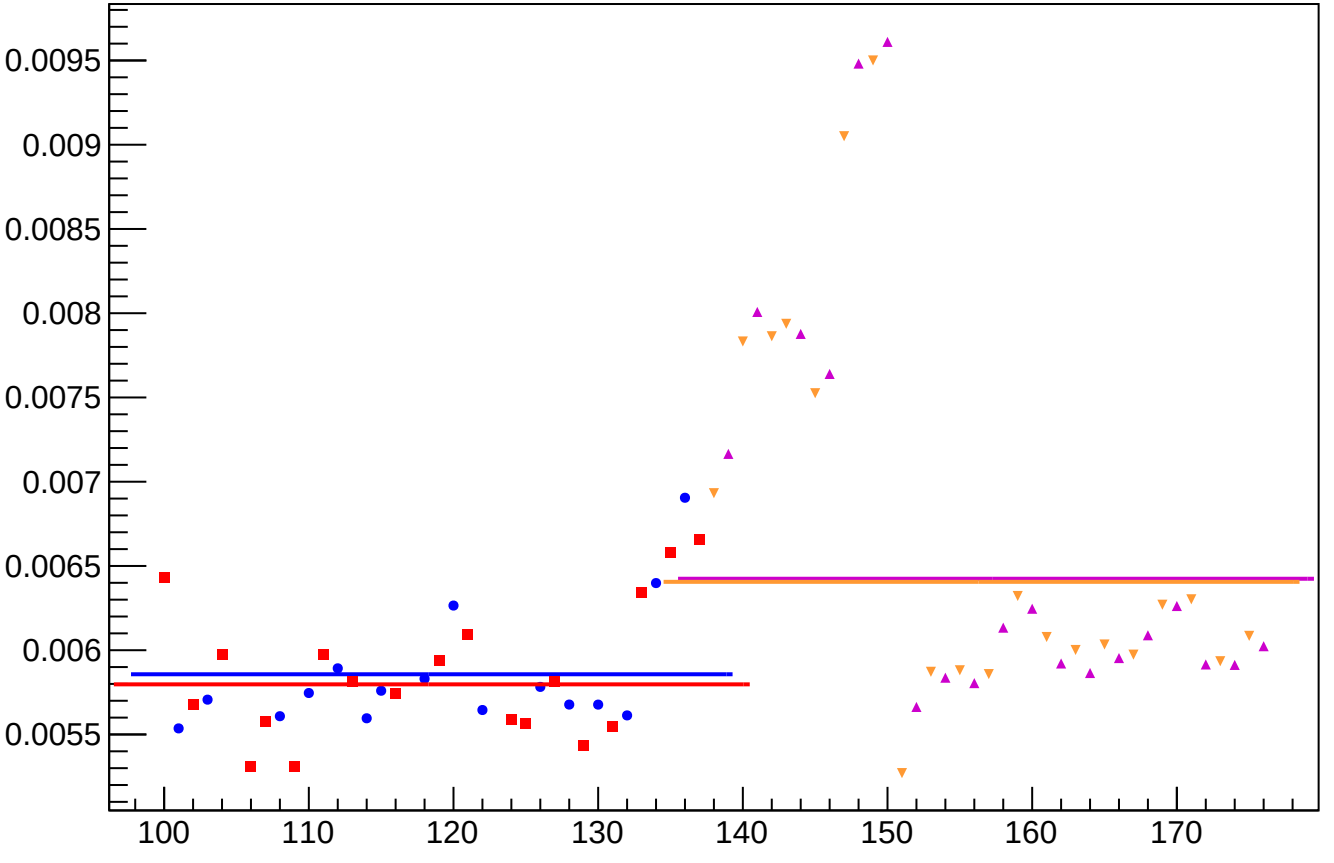
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.261+/-0.000 χ^2/NDF:99739611134.5/34

Out: -2.228+/-0.000 χ^2/NDF:81806163806.7/38

All: -2.244+/-0.000 χ^2/NDF: 181870671739.7

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:668919.8/19

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:702640.2/18

Left: 0.006+/-0.000 χ^2/NDF: 1371684.1/38

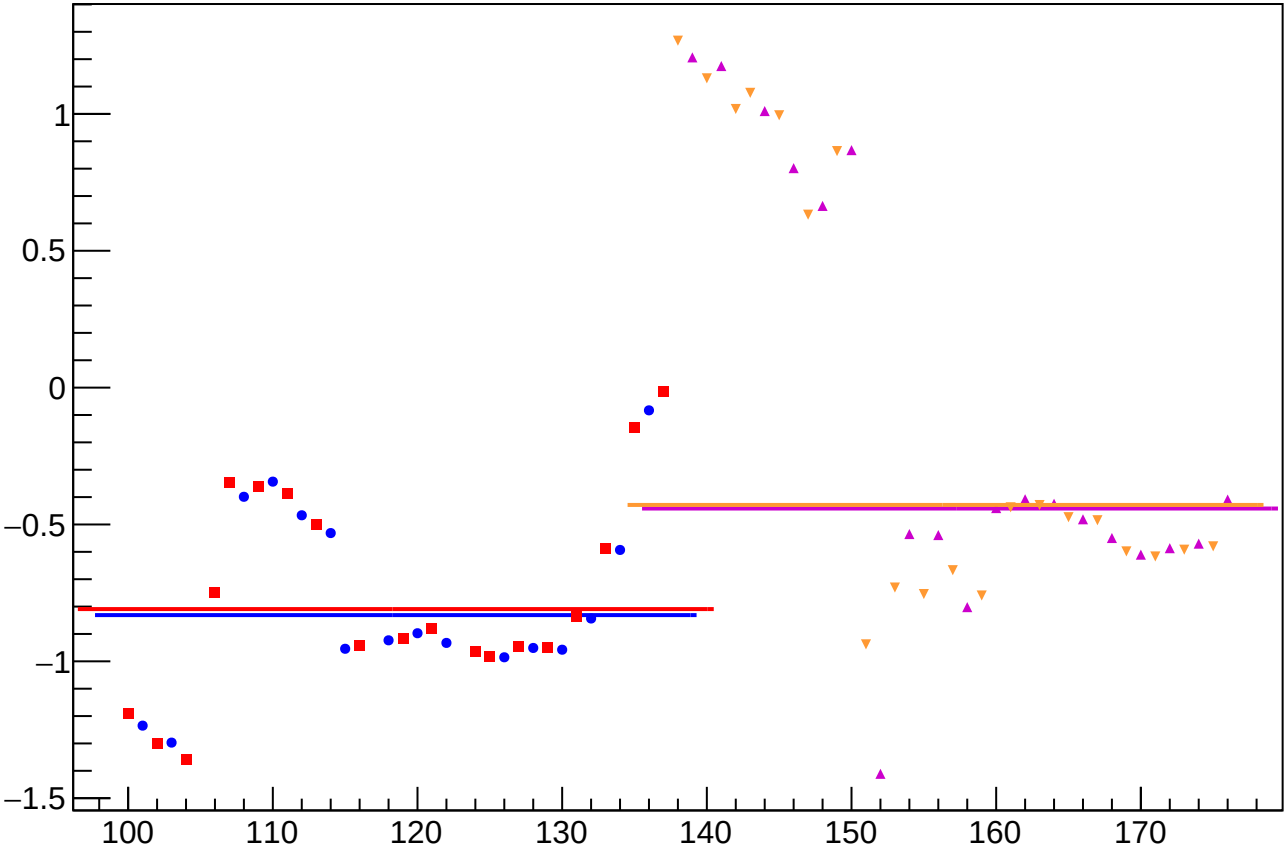
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:850308.3/34

Out: 0.006+/-0.000 χ^2/NDF:828664.1/38

All: 0.006+/-0.000 χ^2/NDF: 1679805.6/73

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.429+/-0.000 χ^2/NDF:80962341738.7/19

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.442+/-0.000 χ^2/NDF:89605245896.9/18

Left: -0.435+/-0.000 χ^2/NDF: 170591640084.0/38

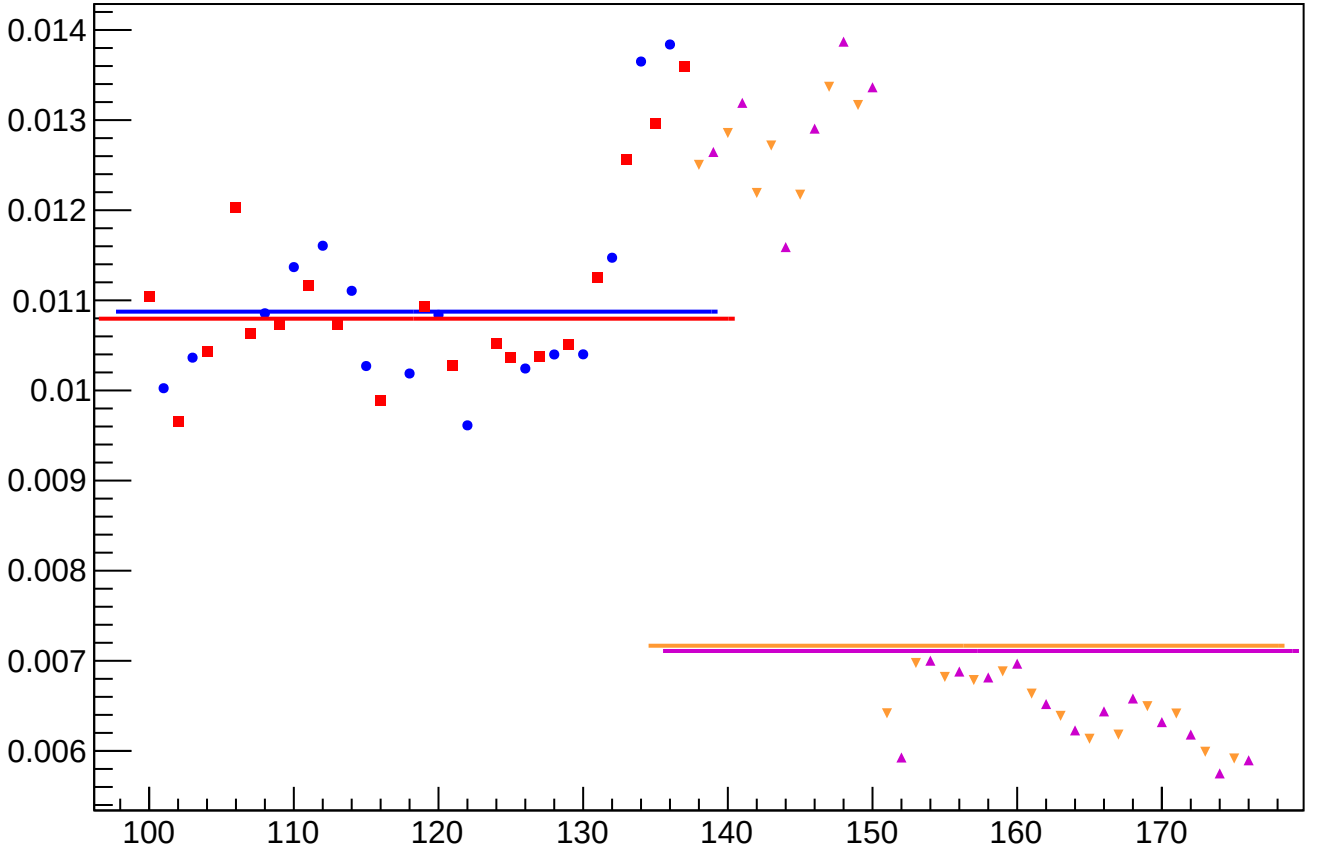
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.510+/-0.000 χ^2/NDF:104145794983.1/34

Out: -0.498+/-0.000 χ^2/NDF:96454386726.9/38

All: -0.504+/-0.000 χ^2/NDF: 200627473685.

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2323112.1/19

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2415357.3/18

Left: 0.007+/-0.000 χ^2/NDF: 4739422.2/38

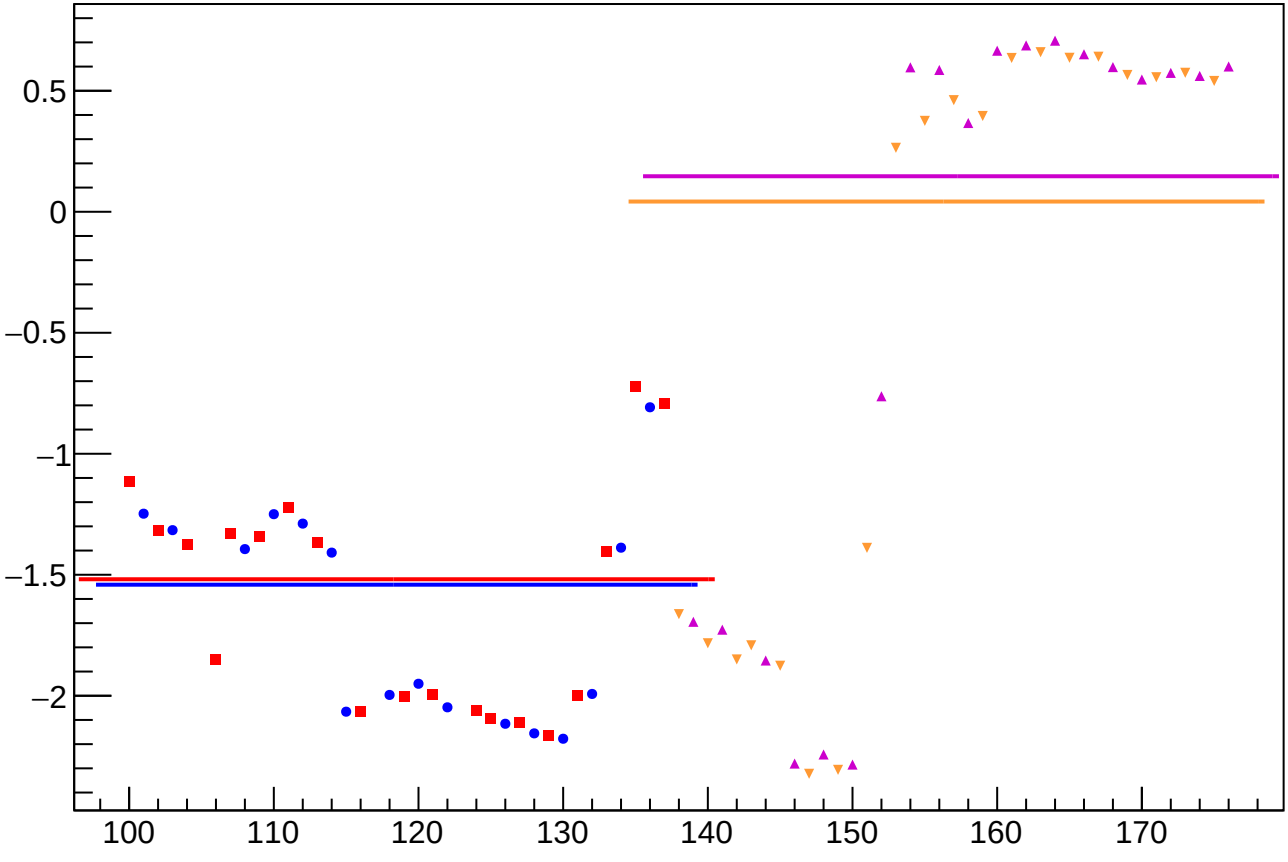
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3962739.1/34

Out: 0.008+/-0.000 χ^2/NDF:3758650.4/38

All: 0.008+/-0.000 χ^2/NDF: 7722365.4/73

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.042+/-0.000 χ^2/NDF:2247324645944.1/19

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.147+/-0.000 χ^2/NDF:2042632985506.0/18

Left: 0.094+/-0.000 χ^2/NDF: 4302833542115.9/38

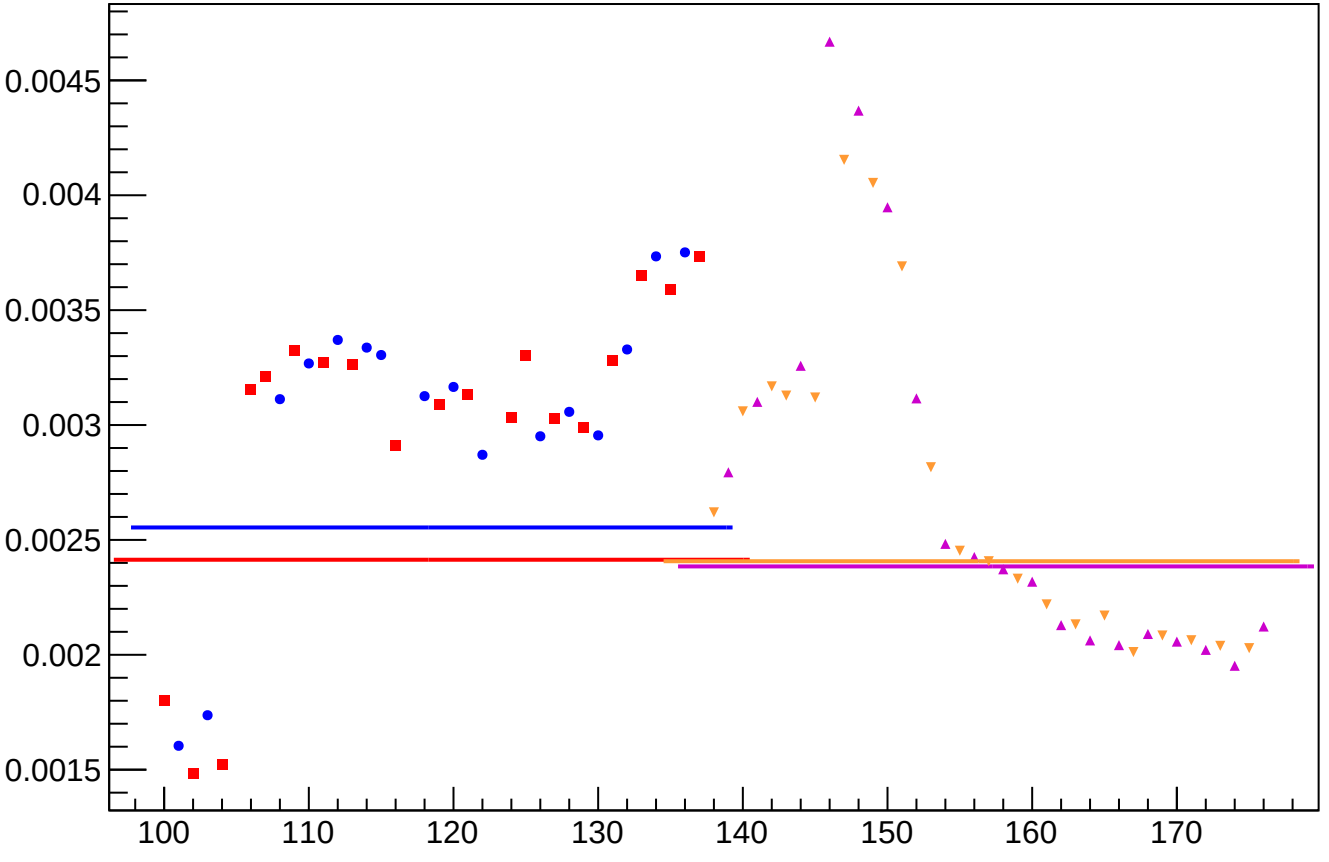
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.332+/-0.000 χ^2/NDF:4099919840758.7/34

Out: -0.426+/-0.000 χ^2/NDF:4126708367662.8/38

All: -0.380+/-0.000 χ^2/NDF: 8241337269725

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195723.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399532.4/18

Left: 0.002+/-0.000 χ^2/NDF: 2596462.5/38

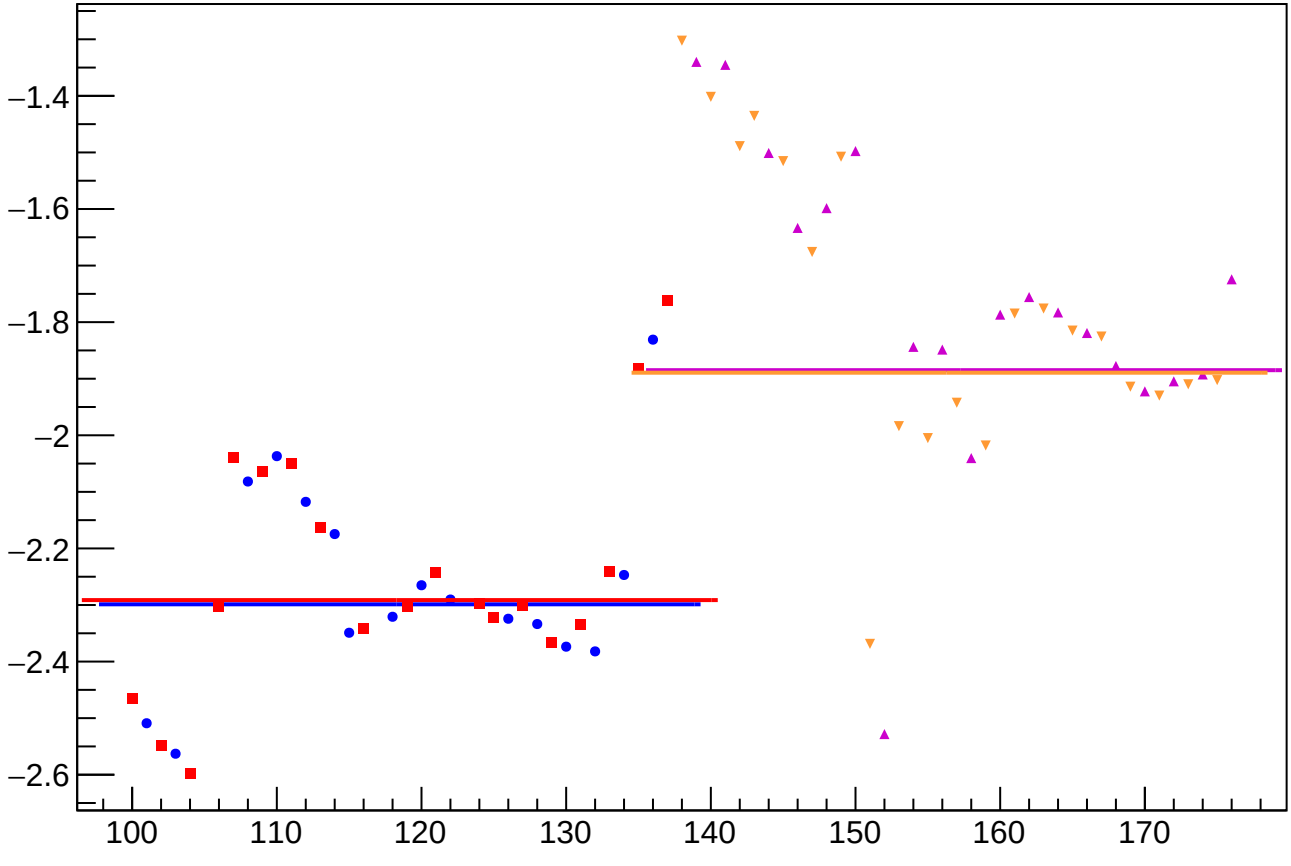
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.002+/-0.000 χ^2/NDF:2610209.6/34

Out: 0.002+/-0.000 χ^2/NDF:2742613.8/38

All: 0.002+/-0.000 χ^2/NDF: 5354670.6/73

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.889+/-0.000 χ^2/NDF:27423316264.7/19

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.885+/-0.000 χ^2/NDF:44814380137.8/18

Left: -1.887+/-0.000 χ^2/NDF: 72245177468.9/38

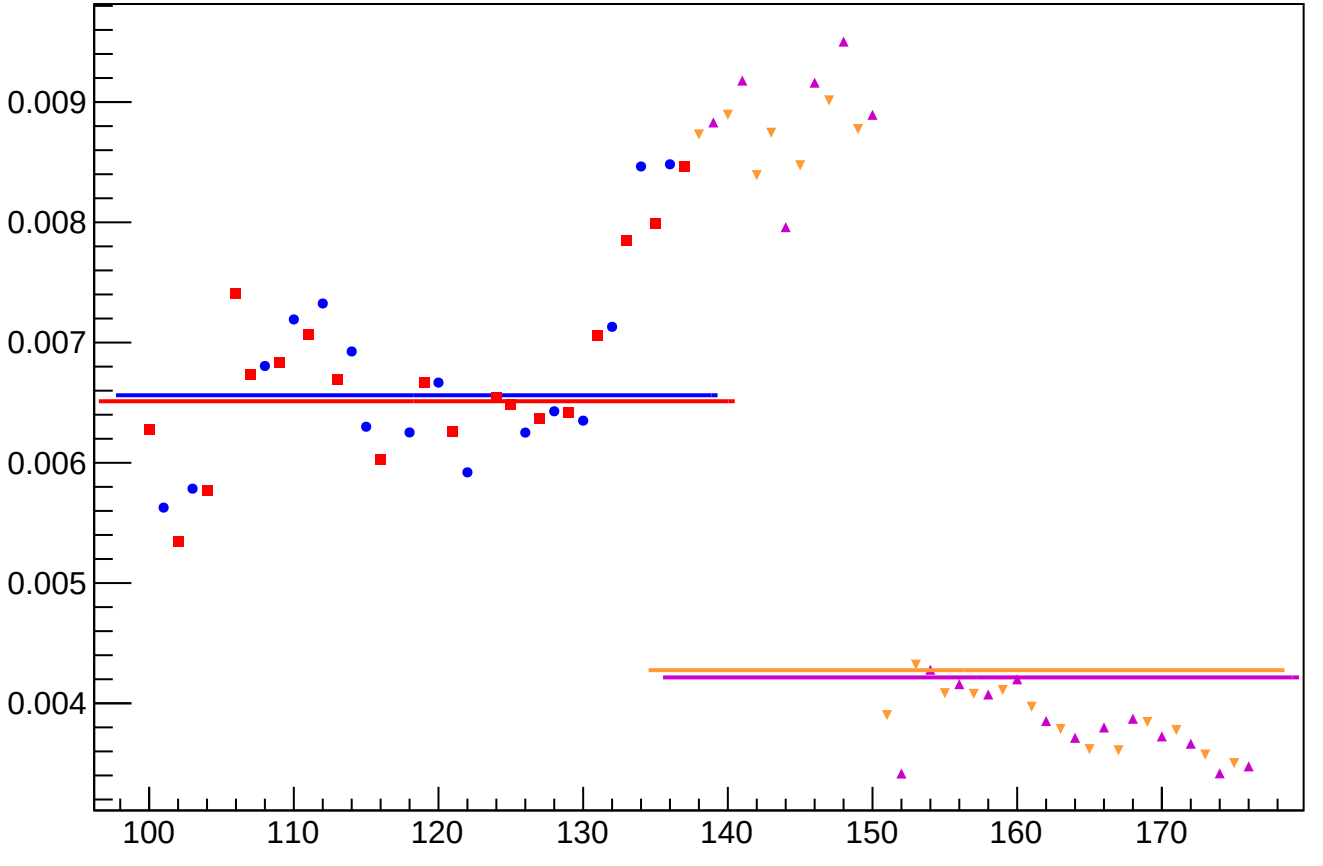
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -1.957+/-0.000 χ^2/NDF:73649177136.1/34

Out: -1.962+/-0.000 χ^2/NDF:56387611638.8/38

All: -1.960+/-0.000 χ^2/NDF: 130048094447.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3020728.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3141415.4/18

Left: 0.004+/-0.000 χ^2/NDF: 6164882.4/38

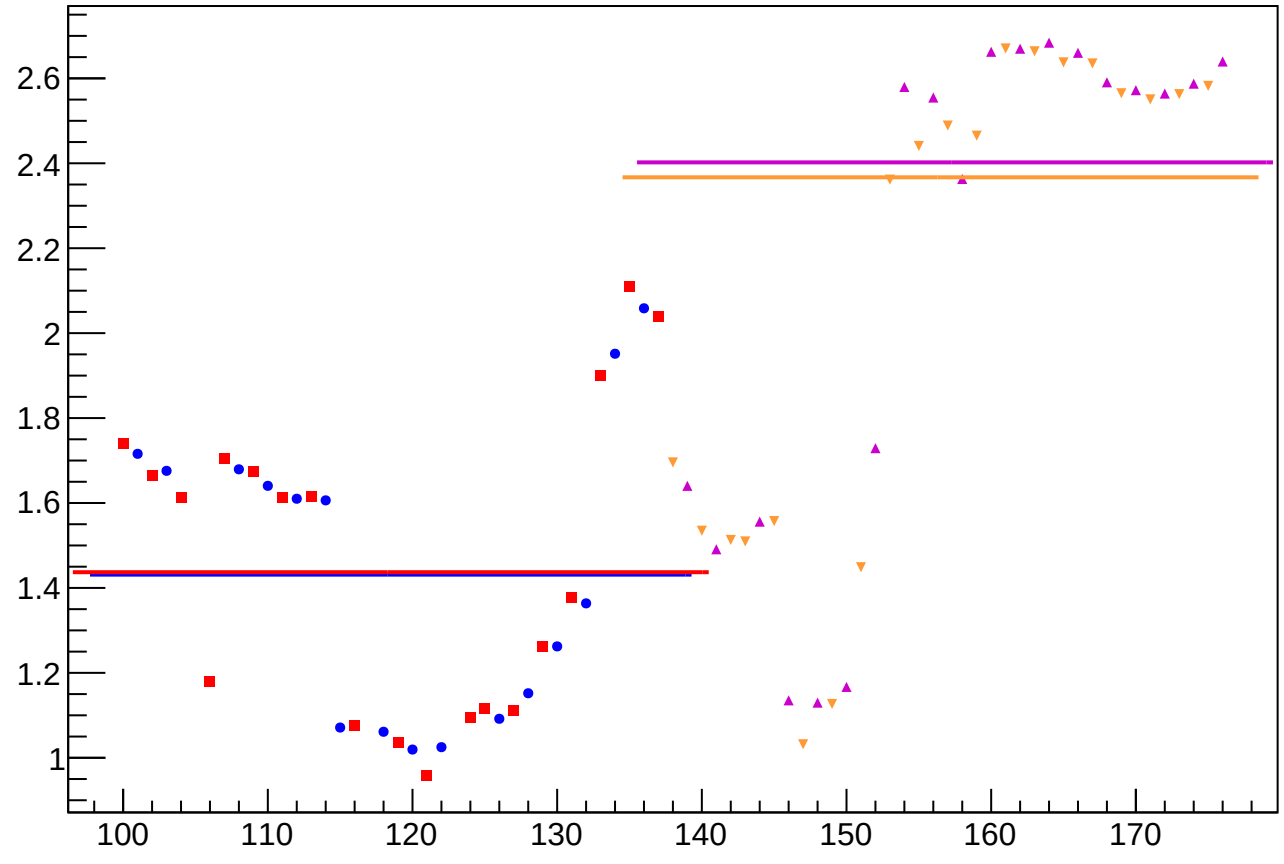
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4823024.0/34

Out: 0.005+/-0.000 χ^2/NDF:4576071.5/38

All: 0.005+/-0.000 χ^2/NDF: 9401915.4/73

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.367+/-0.000 χ^2/NDF:225243435694.4/19

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.402+/-0.000 χ^2/NDF:218934897312.2/18

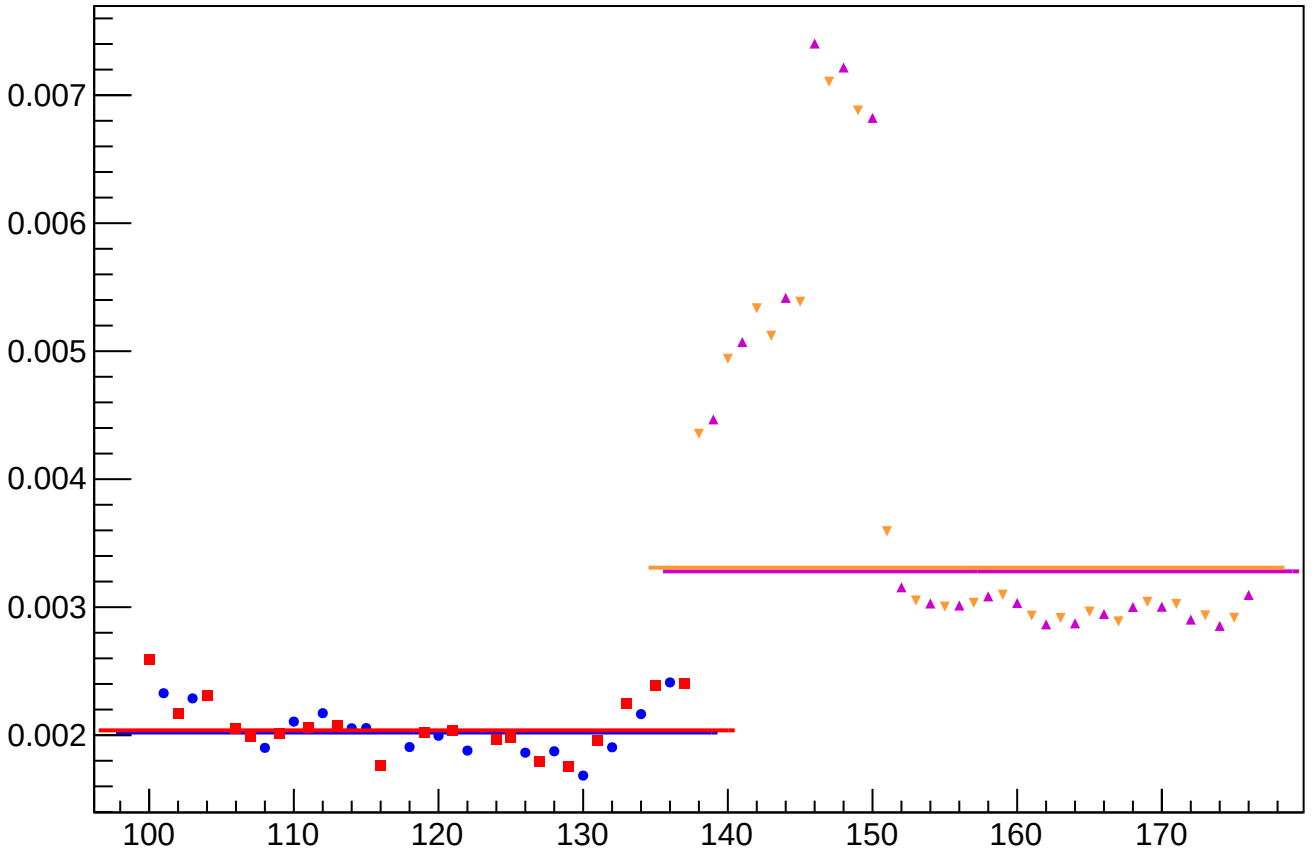
Left: 2.384+/-0.000 χ^2/NDF: 444965291173.9/38

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.856+/-0.000 χ^2/NDF:1078336209038.8/34

Out: 1.846+/-0.000 χ^2/NDF:1027708240451.5/38

All: 1.851+/-0.000 χ^2/NDF: 2106189422695.



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767442.5/19

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2017755.9/18

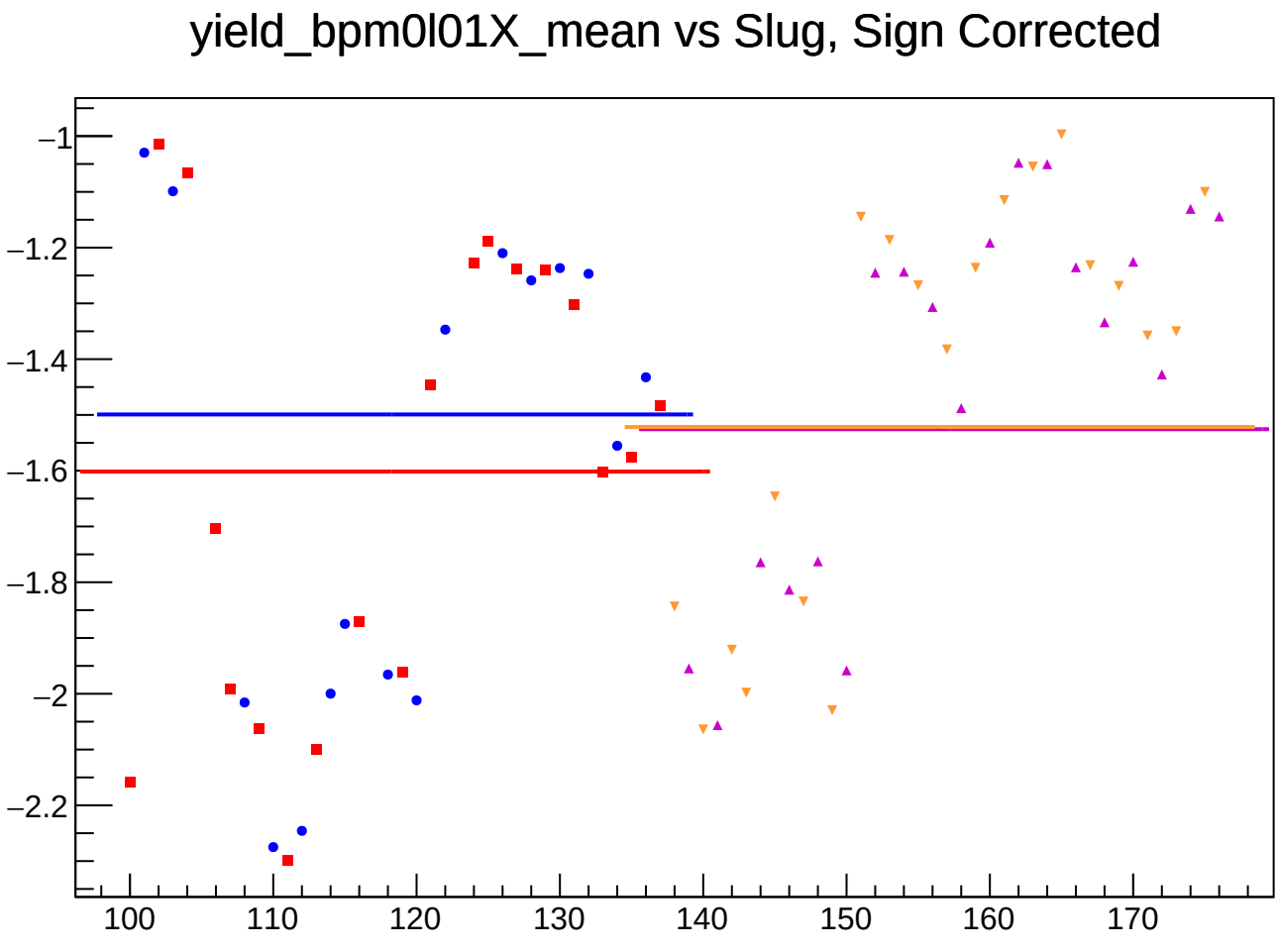
Left: 0.003+/-0.000 χ^2/NDF: 3786268.3/38

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

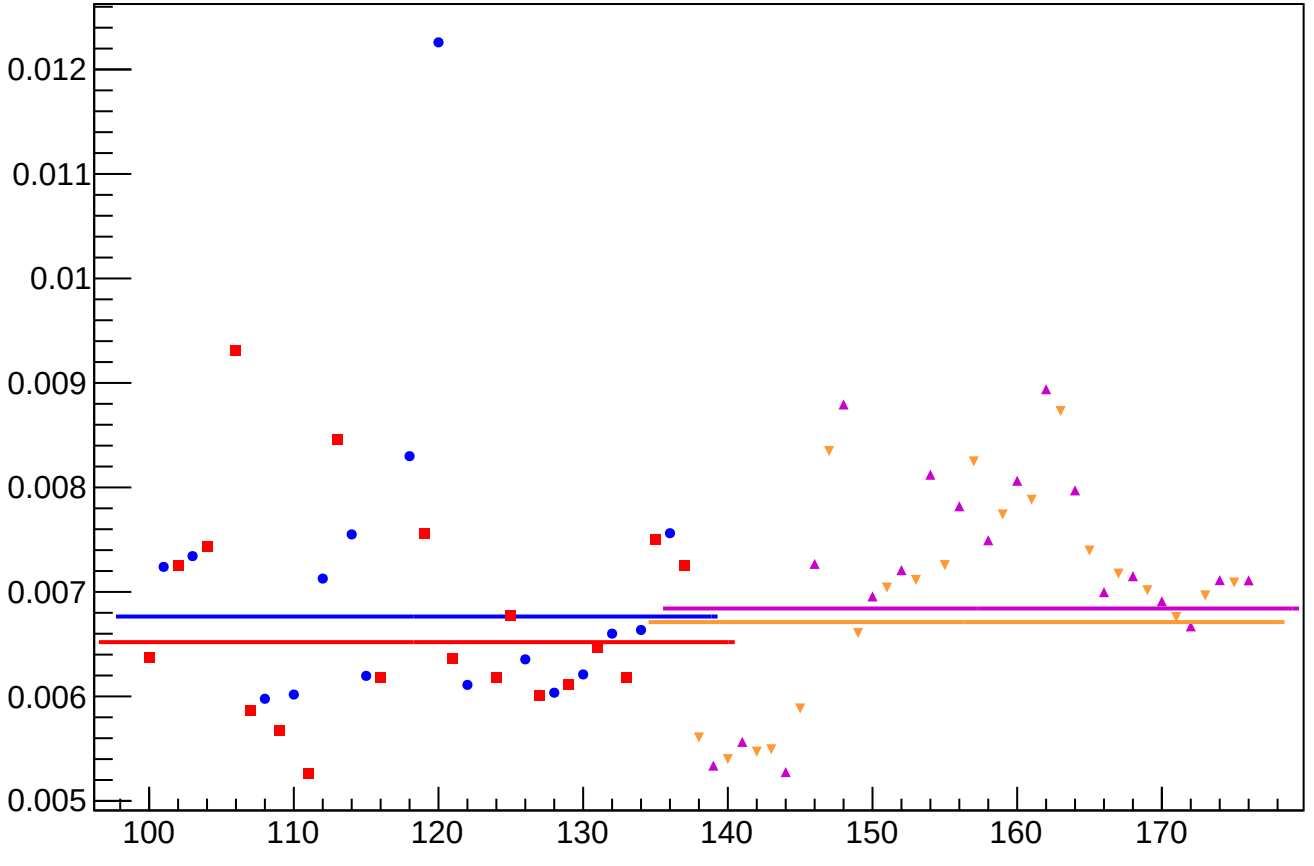
In: 0.003+/-0.000 χ^2/NDF:4428125.2/34

Out: 0.003+/-0.000 χ^2/NDF:4200535.2/38

All: 0.003+/-0.000 χ^2/NDF: 8630498.6/73


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: -1.522+/-0.000 χ²/NDF:44656662610.3/19
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.526+/-0.000 χ²/NDF:35889014066.9/18
Left: -1.524+/-0.000 χ²/NDF: 80548090007.1/38
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.517+/-0.000 χ²/NDF:58886802261.1/34
Out: -1.548+/-0.000 χ²/NDF:73673170488.3/38
All: -1.533+/-0.000 χ²/NDF: 132783314439.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:606183.2/19

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:684198.9/18

Left: 0.007+/-0.000 χ^2/NDF: 1295722.6/38

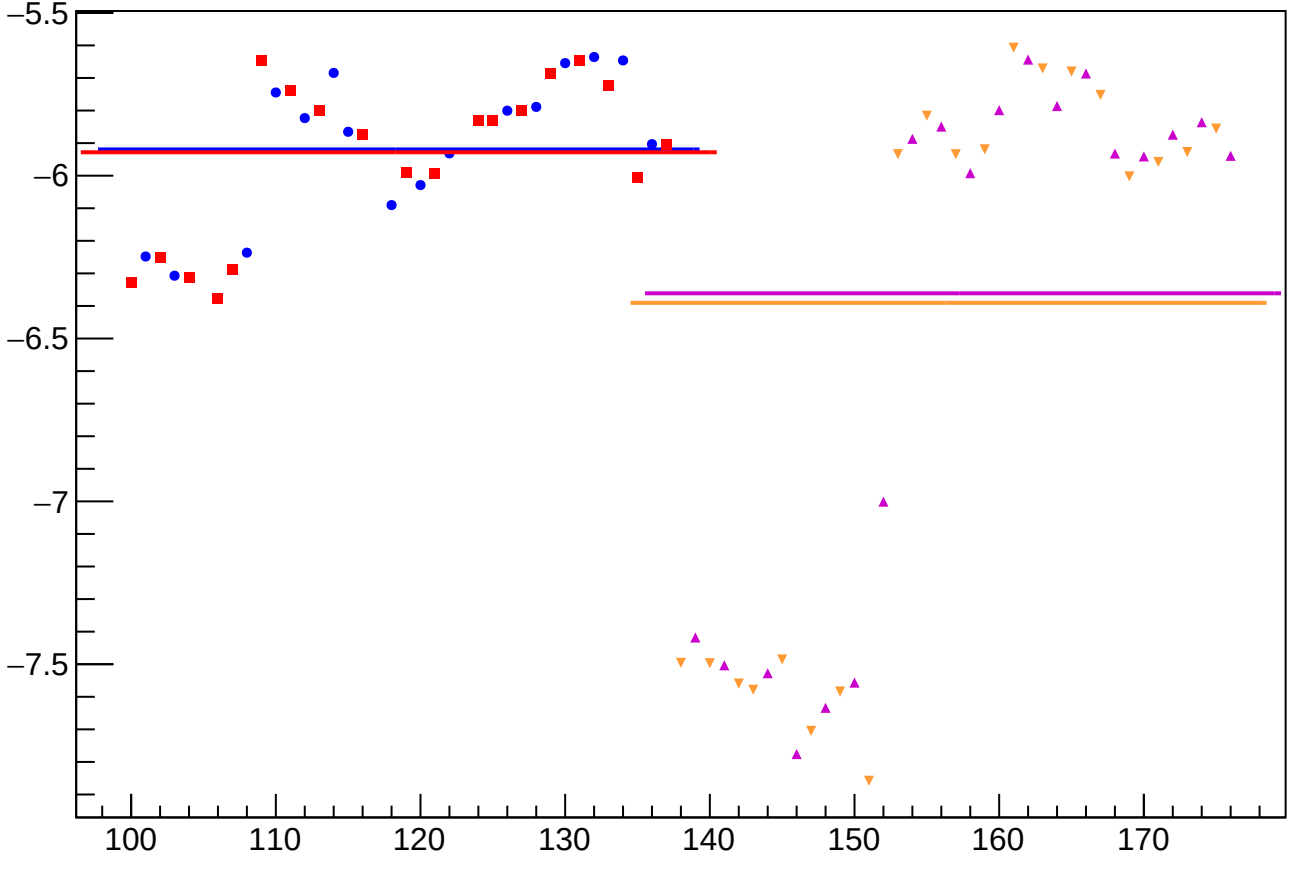
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:923907.8/34

Out: 0.007+/-0.000 χ^2/NDF:859621.2/38

All: 0.007+/-0.000 χ^2/NDF: 1796935.3/73

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.390+/-0.000 χ^2/NDF:106871352208.6/19

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.361+/-0.000 χ^2/NDF:89074675118.9/18

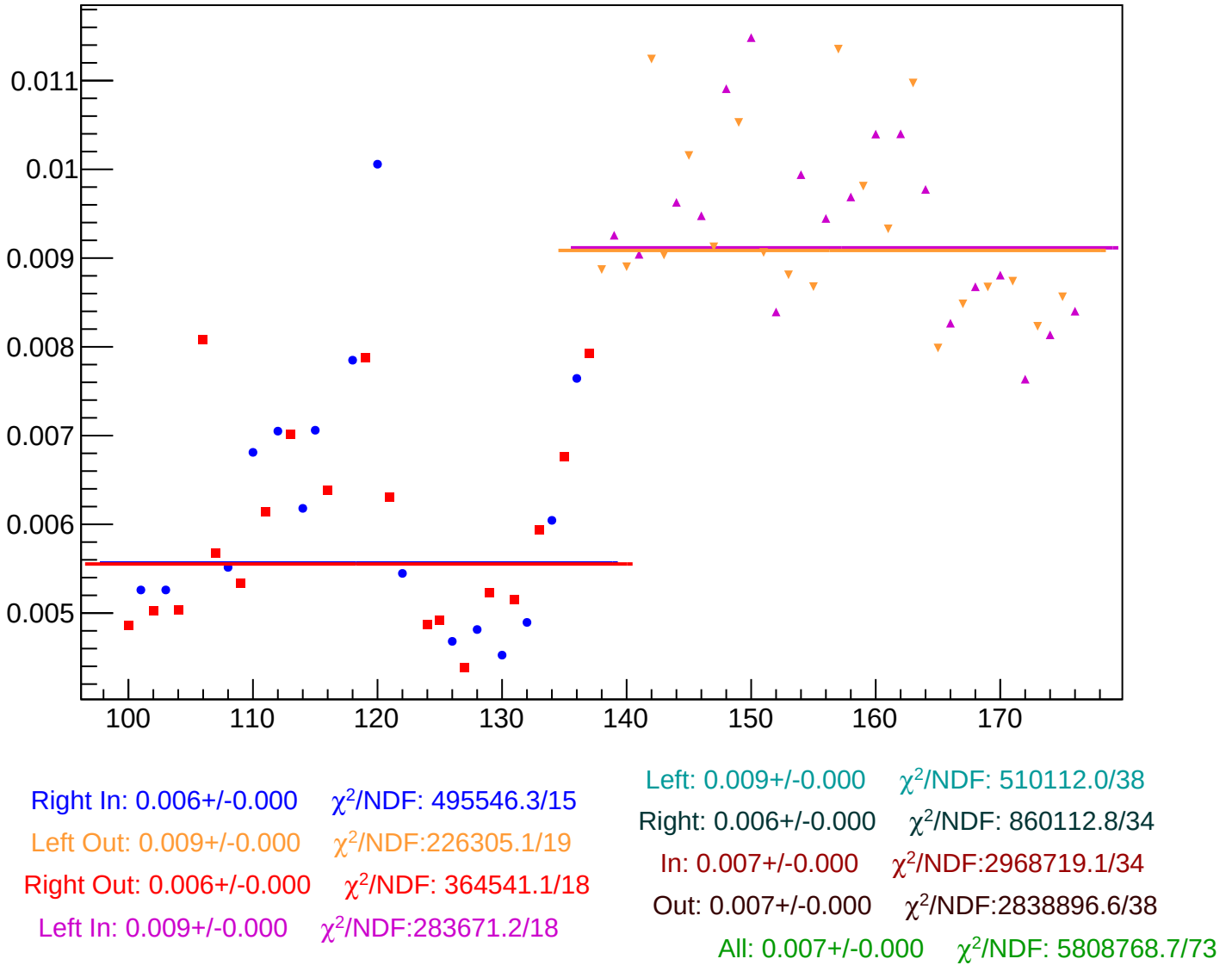
Left: -6.376+/-0.000 χ^2/NDF: 196012982670.8/38

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

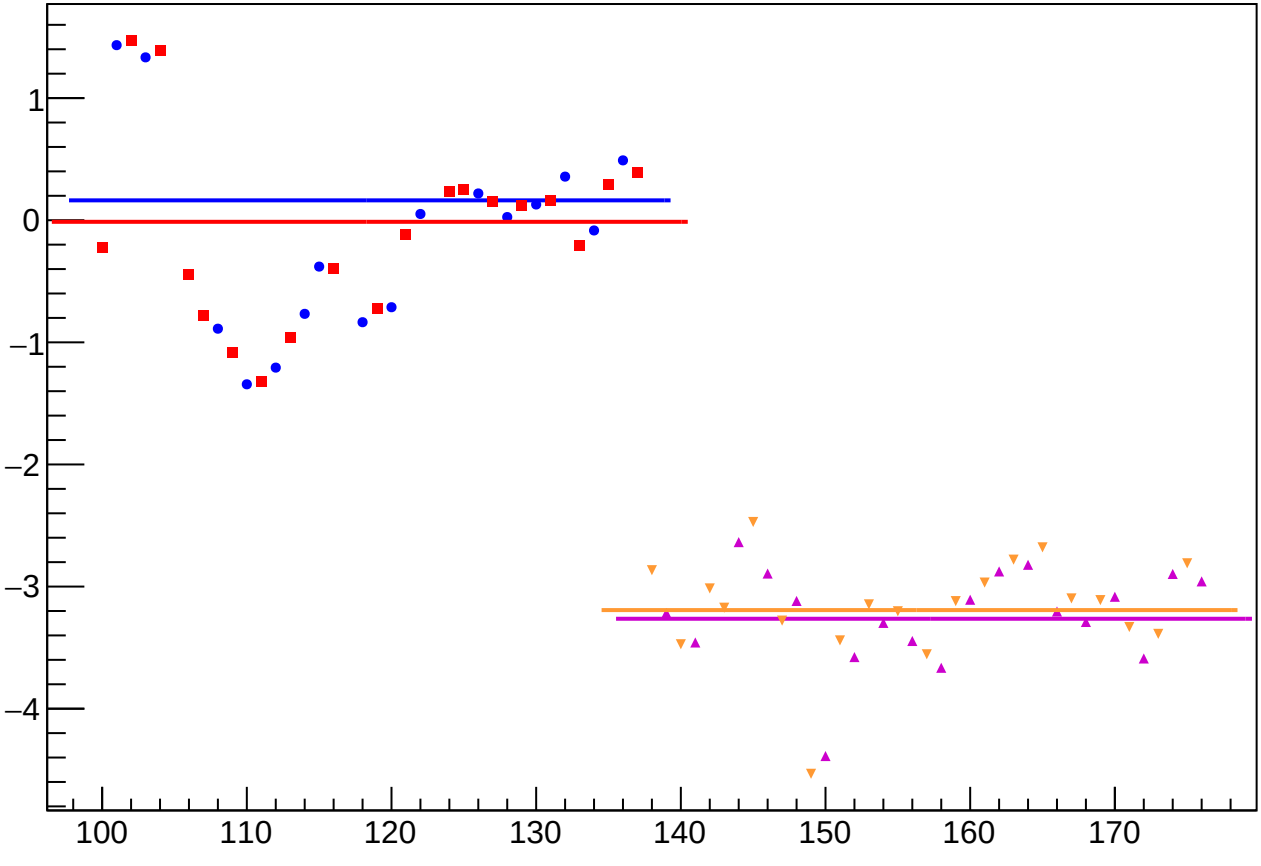
In: -6.113+/-0.000 χ^2/NDF:117753606443.5/34

Out: -6.126+/-0.000 χ^2/NDF:138759993567.0/38

All: -6.119+/-0.000 χ^2/NDF: 256543320043.5


yield_bpm0l01Y_rms vs Slug, Sign Corrected
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.000 χ²/NDF: 495546.3/15
Left Out: 0.009+/-0.000 χ²/NDF:226305.1/19
Right Out: 0.006+/-0.000 χ²/NDF: 364541.1/18
Left In: 0.009+/-0.000 χ²/NDF:283671.2/18
Left: 0.009+/-0.000 χ²/NDF: 510112.0/38
Right: 0.006+/-0.000 χ²/NDF: 860112.8/34
In: 0.007+/-0.000 χ²/NDF:2968719.1/34
Out: 0.007+/-0.000 χ²/NDF:2838896.6/38
All: 0.007+/-0.000 χ²/NDF: 5808768.7/73

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.193+/-0.000 χ^2/NDF:8733970569.6/19

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.264+/-0.000 χ^2/NDF:7421180340.5/18

Left: -3.227+/-0.000 χ^2/NDF: 16282591299.7/38

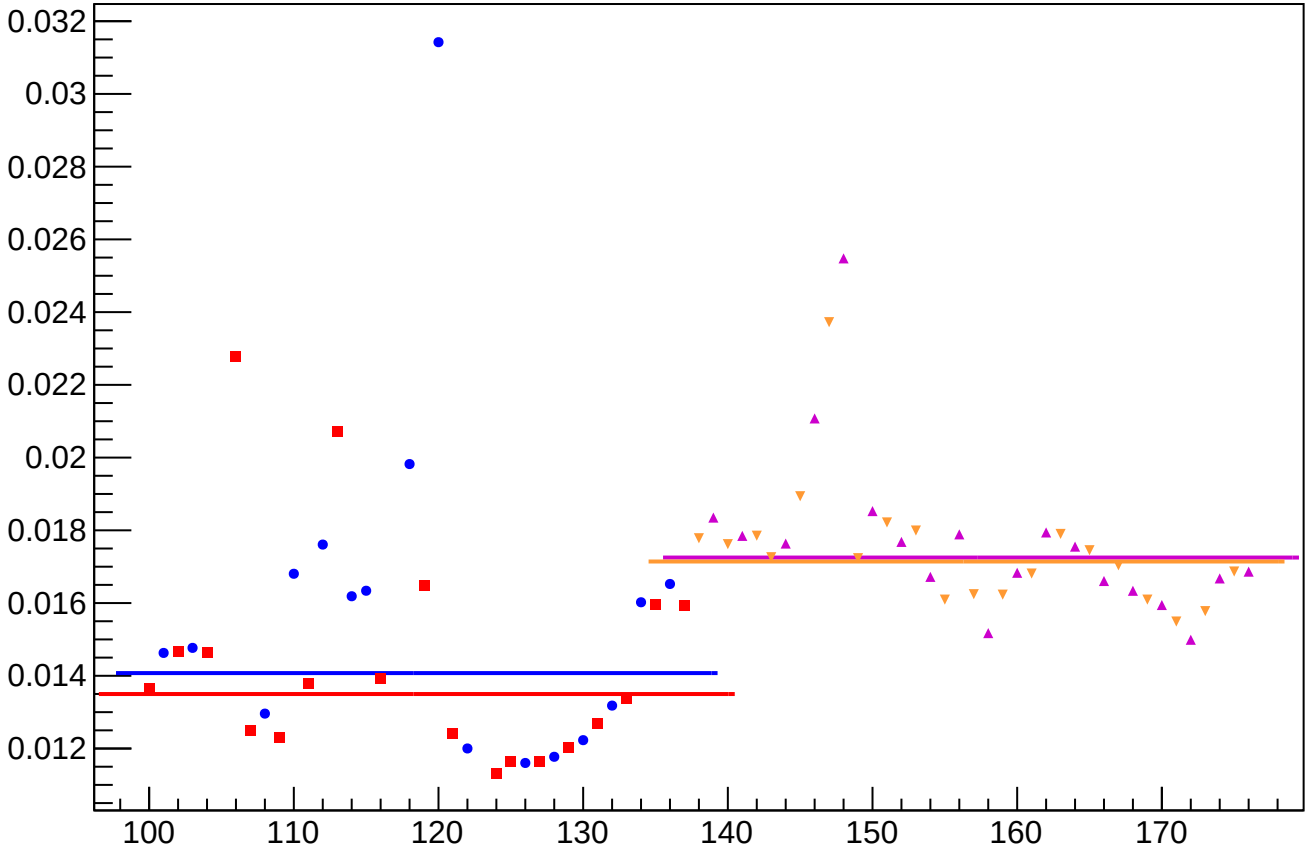
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.925+/-0.000 χ^2/NDF:253031629459.6/34

Out: -1.859+/-0.000 χ^2/NDF:249473509895.0/38

All: -1.890+/-0.000 χ^2/NDF: 502687277043.5

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:200085.7/19

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:322933.7/18

Left: 0.017+/-0.000 χ^2/NDF: 523615.5/38

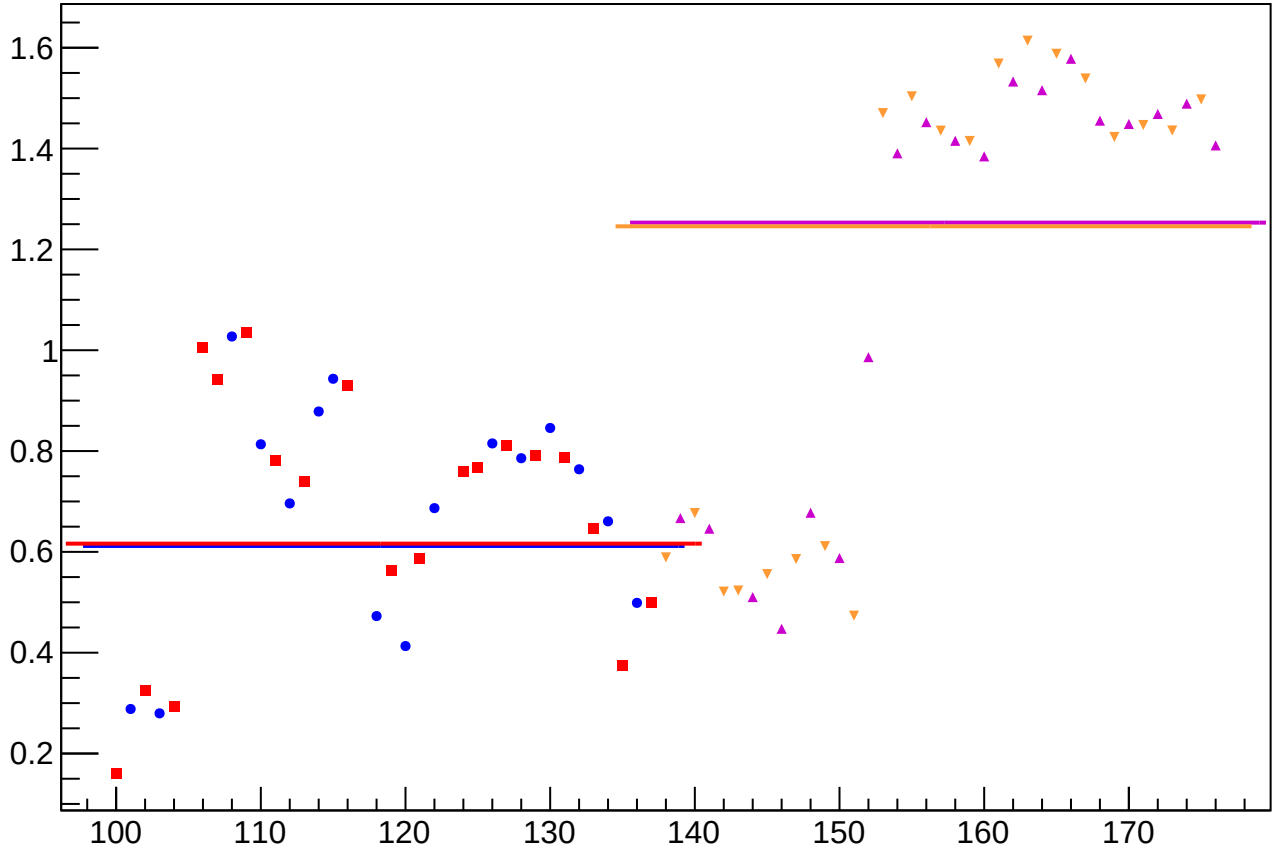
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1179866.6/34

Out: 0.016+/-0.000 χ^2/NDF:1088301.1/38

All: 0.016+/-0.000 χ^2/NDF: 2281438.5/73

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.246+/-0.000 χ^2/NDF:44972590970.6/19

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.253+/-0.000 χ^2/NDF:37194318095.8/18

Left: 1.249+/-0.000 χ^2/NDF: 82174604193.5/38

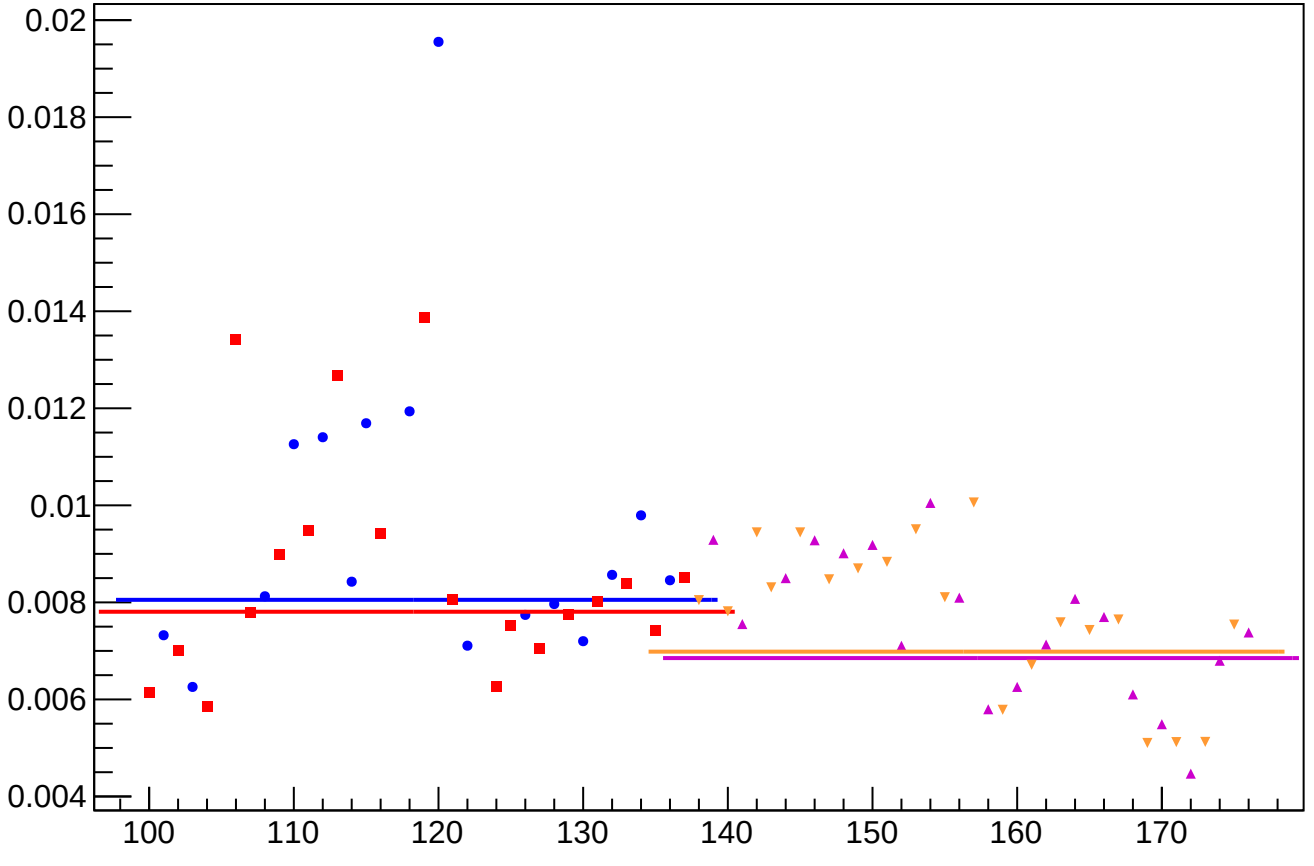
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.095+/-0.000 χ^2/NDF:72129494793.6/34

Out: 1.074+/-0.000 χ^2/NDF:81706607733.2/38

All: 1.085+/-0.000 χ^2/NDF: 153922223576.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1397656.4/19

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1369865.3/18

Left: 0.007+/-0.000 χ^2/NDF: 2772534.3/38

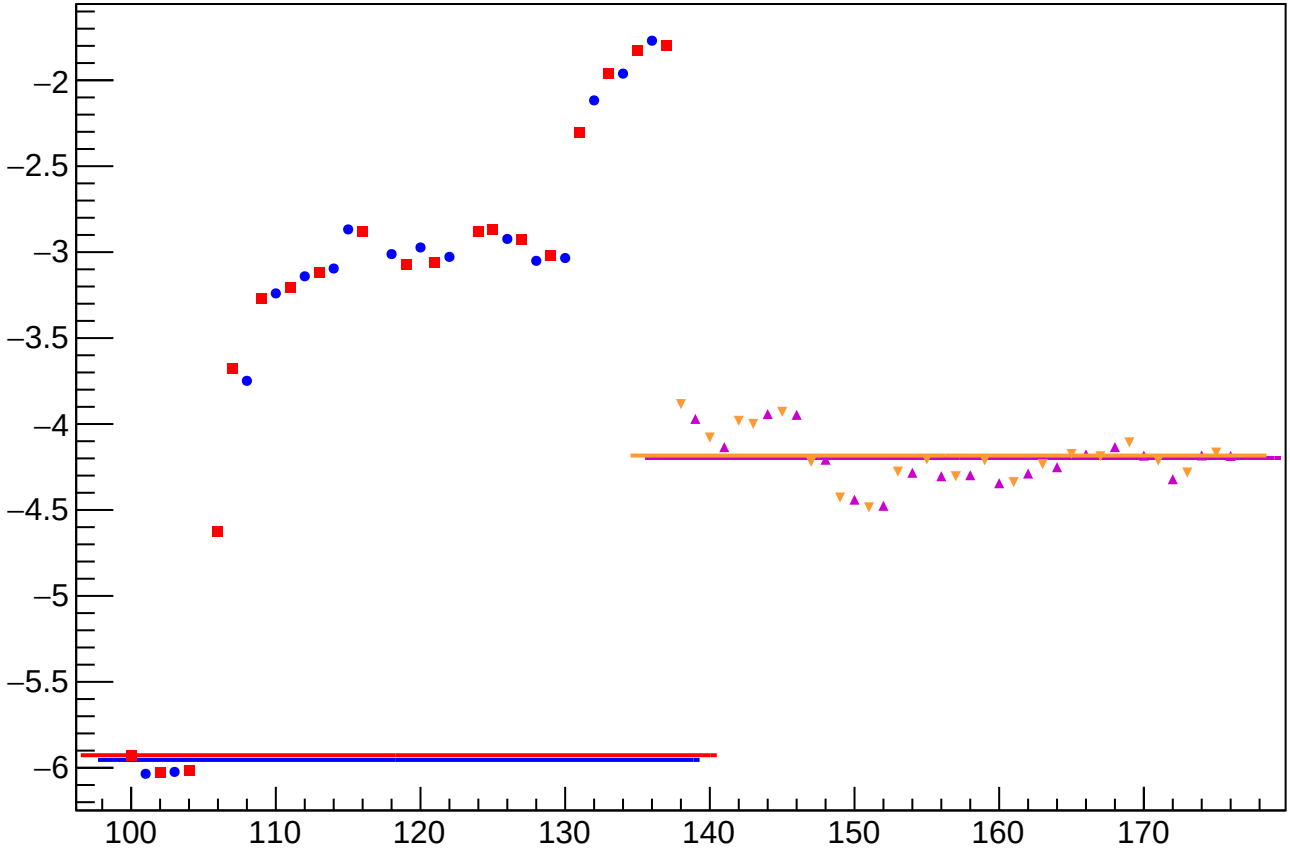
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2173492.4/34

Out: 0.007+/-0.000 χ^2/NDF:2088305.5/38

All: 0.007+/-0.000 χ^2/NDF: 4263249.7/73

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:53866422.6/19

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.198+/-0.000 χ^2/NDF:41525311.7/18

Left: -4.191+/-0.000 χ^2/NDF: 95593029.6/38

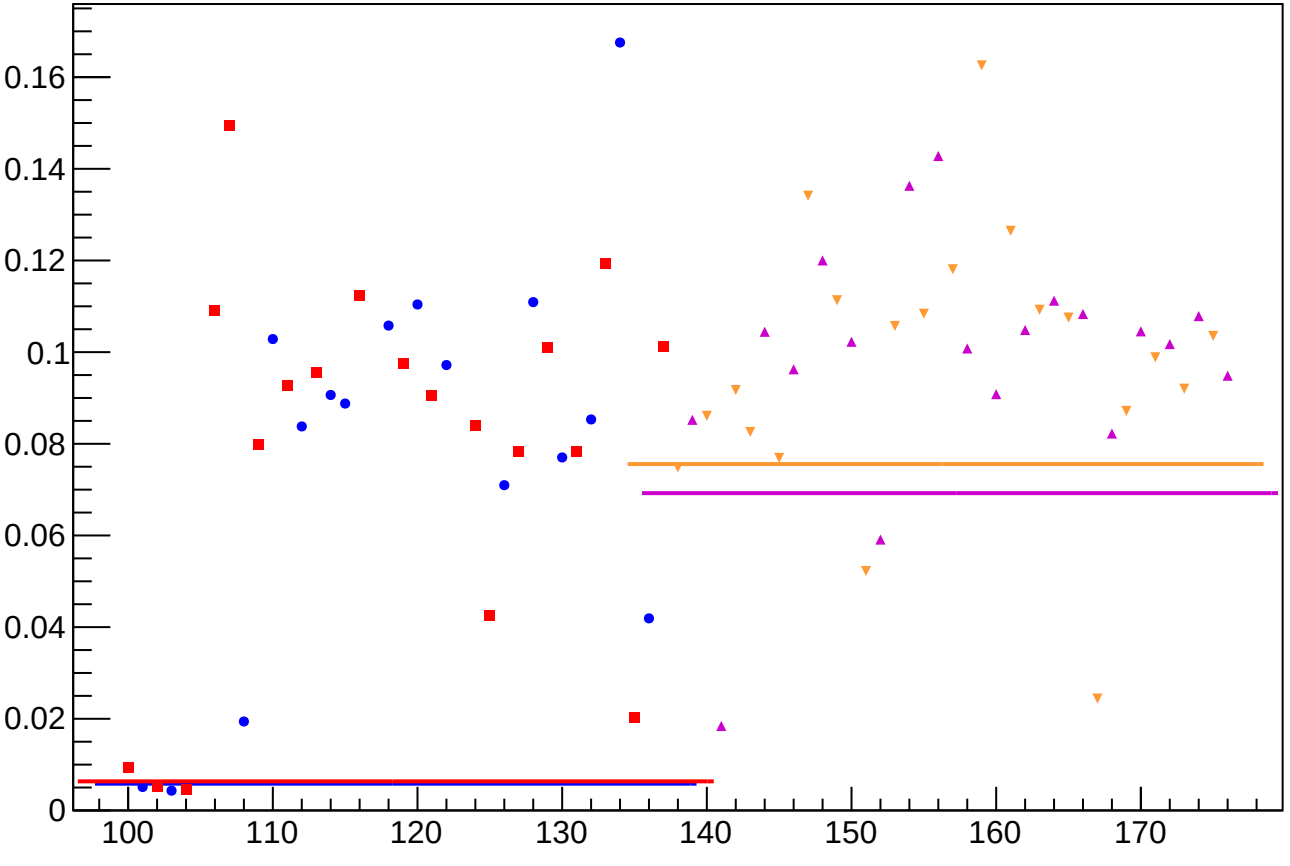
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.889+/-0.000 χ^2/NDF:19014495096.4/34

Out: -5.851+/-0.000 χ^2/NDF:19582374662.7/38

All: -5.872+/-0.000 χ^2/NDF: 38632398277.1/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.076+/-0.000 χ^2/NDF:4511022.2/19

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.069+/-0.000 χ^2/NDF:6371223.3/18

Left: 0.072+/-0.000 χ^2/NDF: 10960864.2/38

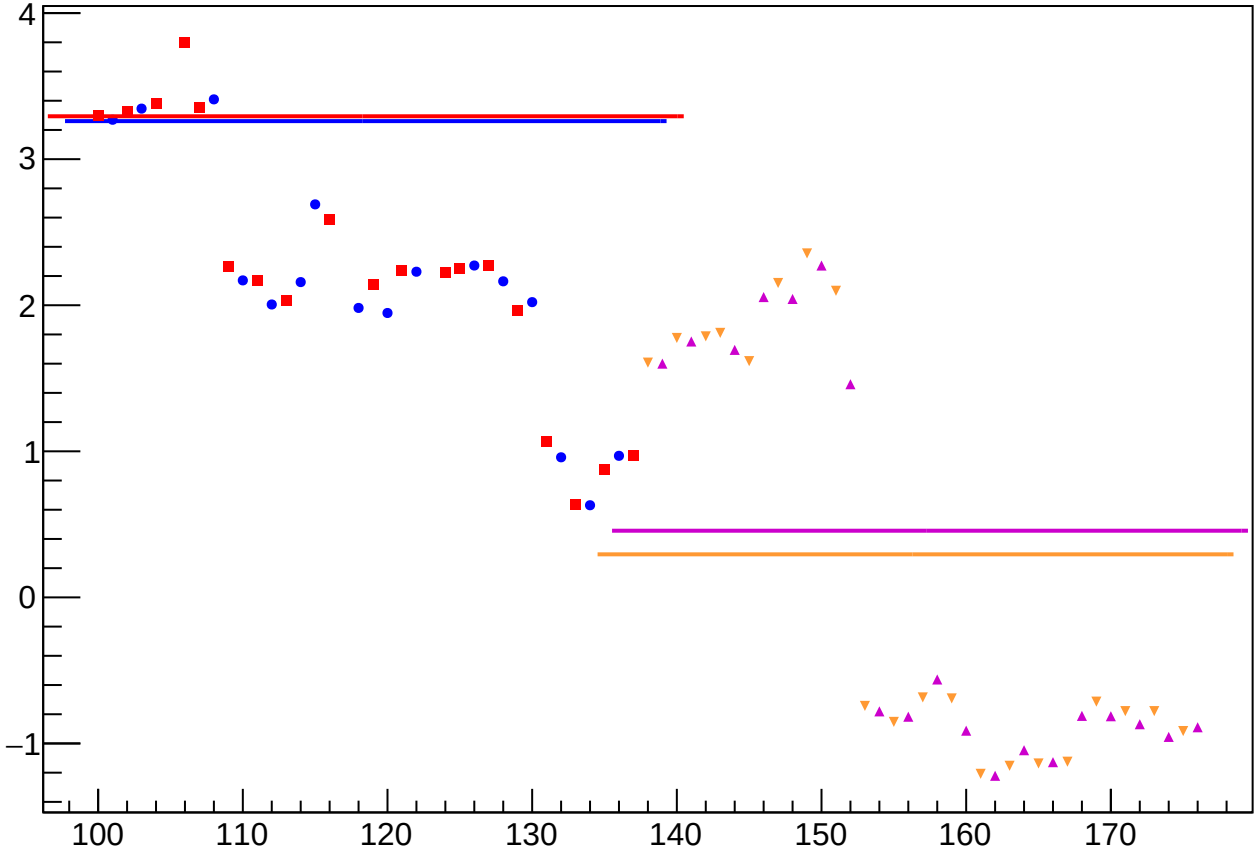
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:30372384.8/34

Out: 0.009+/-0.000 χ^2/NDF:30940030.7/38

All: 0.009+/-0.000 χ^2/NDF: 61379551.5/73

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.295+/-0.000 χ^2/NDF:3249780235.4/19

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.456+/-0.000 χ^2/NDF:2621148867.0/18

Left: 0.371+/-0.000 χ^2/NDF: 5890902537.3/38

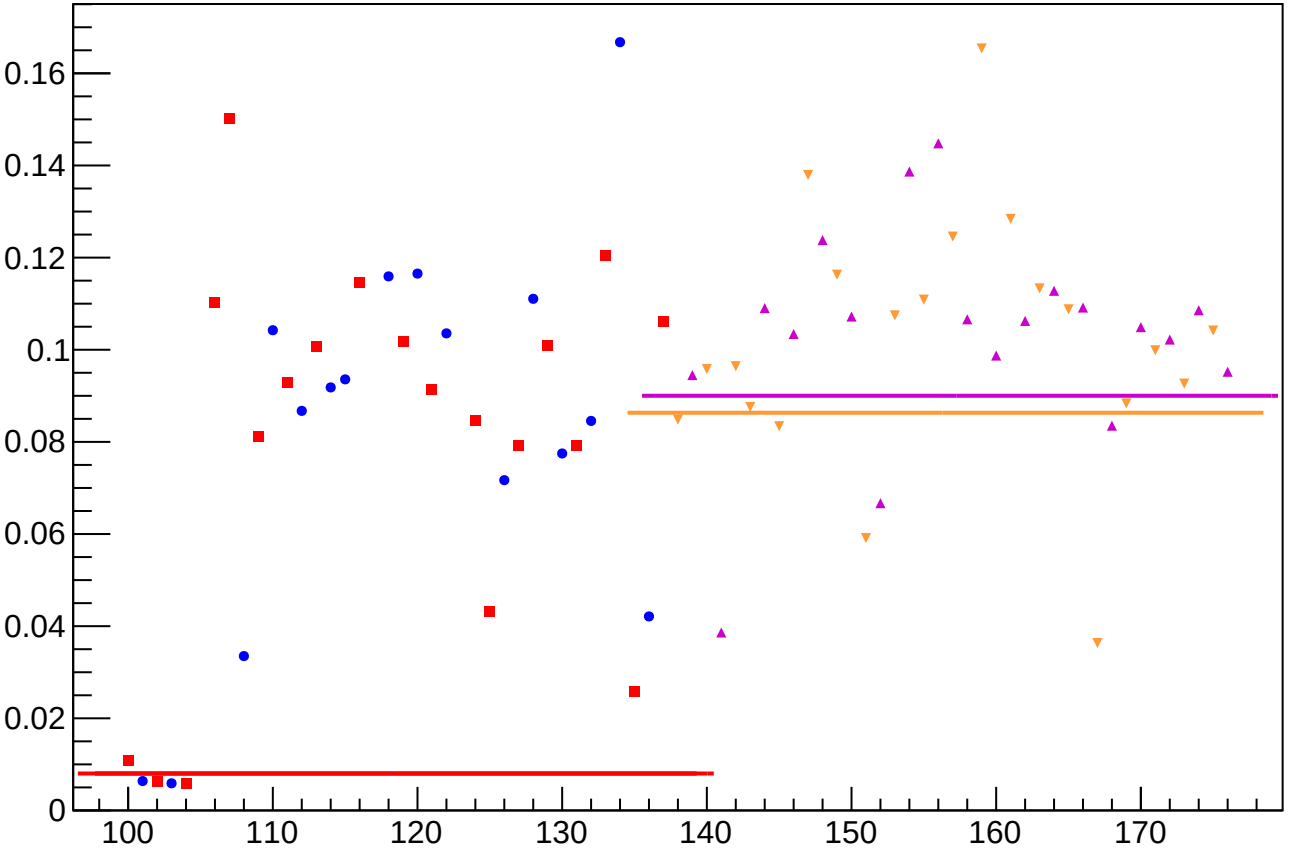
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.135+/-0.000 χ^2/NDF:16513654829.8/34

Out: 3.137+/-0.000 χ^2/NDF:20268337693.4/38

All: 3.136+/-0.000 χ^2/NDF: 36782016766.8/7

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:2840111.6/19

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2368862.3/18

Left: 0.088+/-0.000 χ^2/NDF: 5229720.6/38

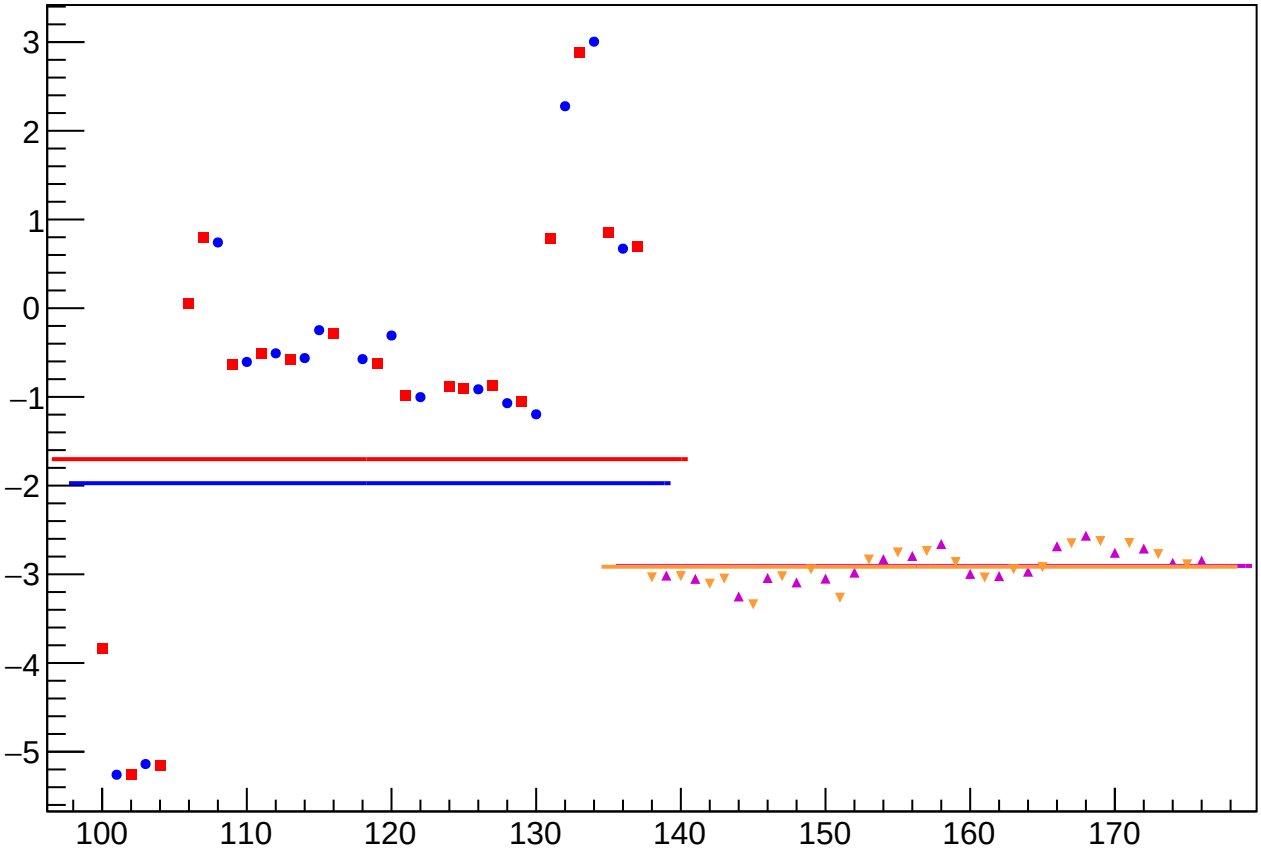
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:29393628.8/34

Out: 0.012+/-0.000 χ^2/NDF:30167324.7/38

All: 0.012+/-0.000 χ^2/NDF: 59567045.8/73

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.914+/-0.000 χ^2/NDF:8845282002.4/19

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.906+/-0.000 χ^2/NDF:7244721740.9/18

Left: -2.910+/-0.000 χ^2/NDF: 16098853763.1/38

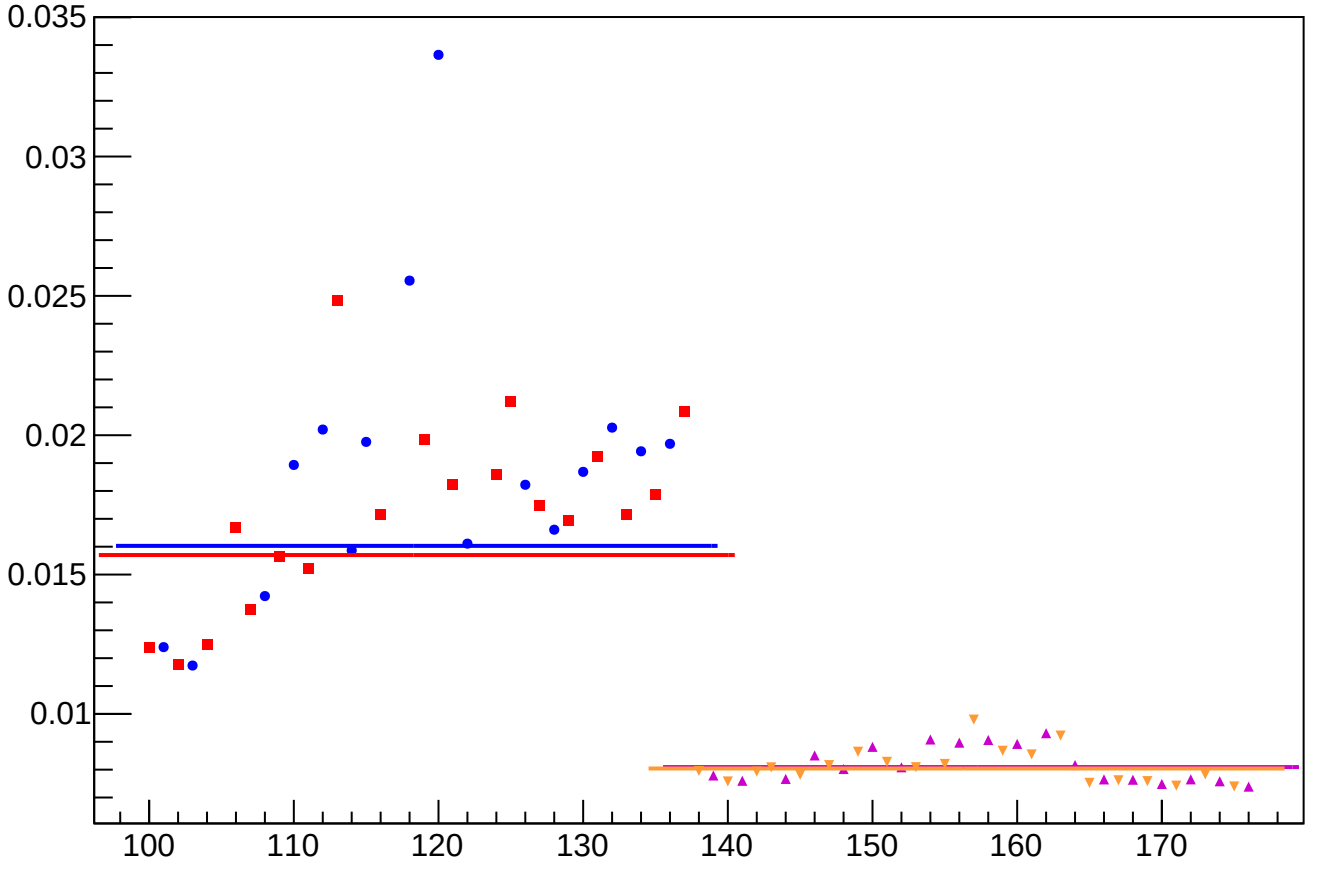
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.820+/-0.000 χ^2/NDF:187137641786.3/34

Out: -2.793+/-0.000 χ^2/NDF:211205533202.7/38

All: -2.807+/-0.000 χ^2/NDF: 398436275411.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:146583.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:167369.1/18

Left: 0.008+/-0.000 χ^2/NDF: 314547.0/38

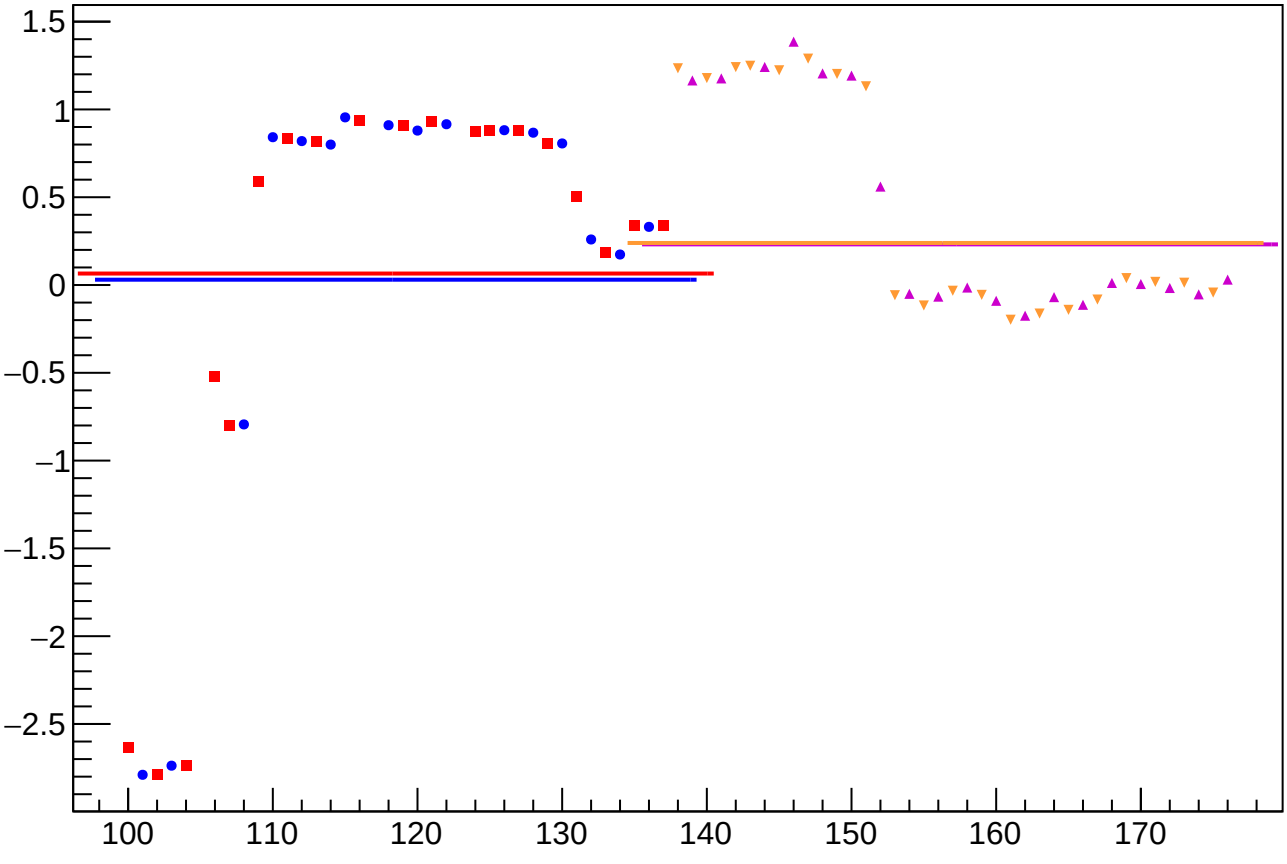
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3497078.7/34

Out: 0.009+/-0.000 χ^2/NDF:3379709.7/38

All: 0.009+/-0.000 χ^2/NDF: 6876819.0/73

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.239+/-0.000 χ^2/NDF:101416680012.7/19

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.231+/-0.000 χ^2/NDF:85961349959.6/18

Left: 0.235+/-0.000 χ^2/NDF: 187389049915.5/38

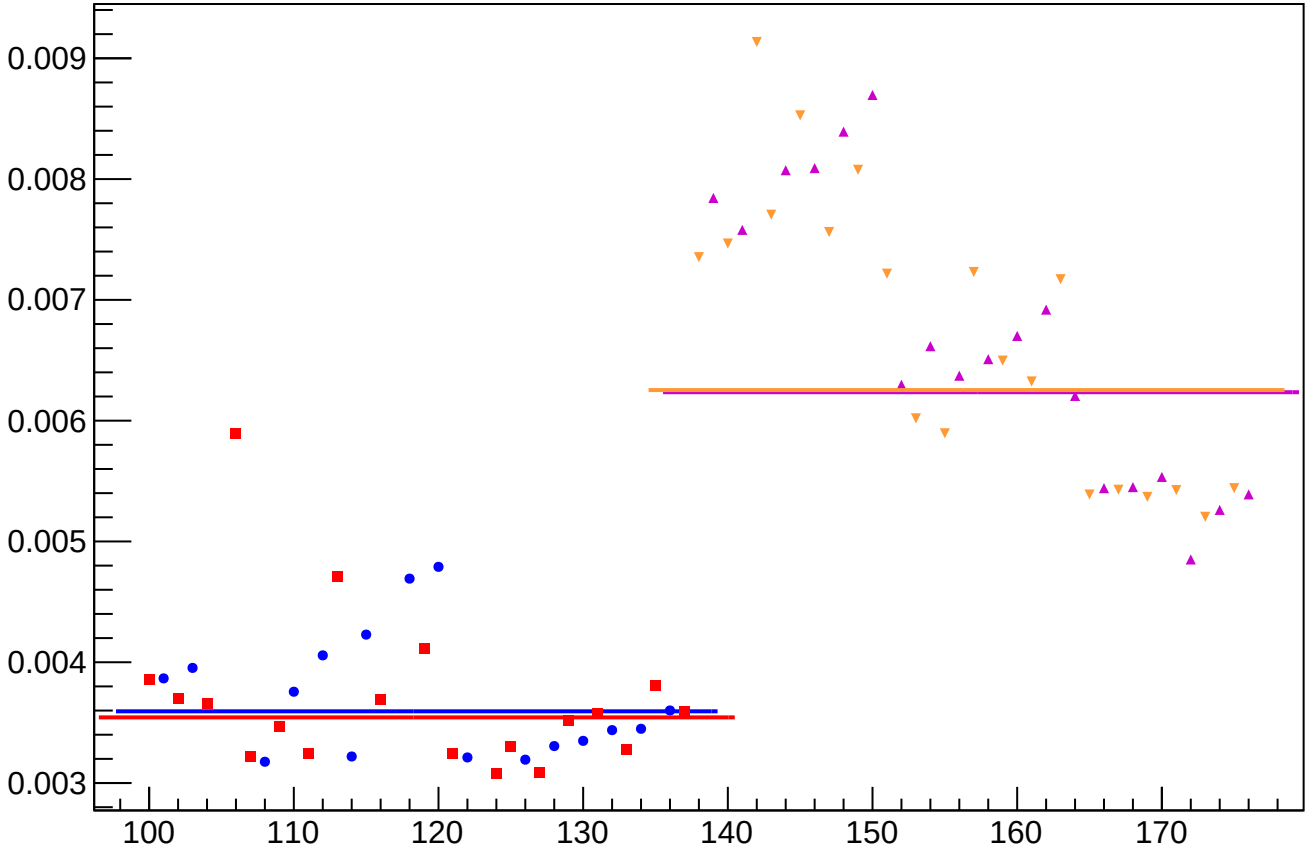
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.110+/-0.000 χ^2/NDF:945974439800.1/34

Out: 0.132+/-0.000 χ^2/NDF:1043353090842.5/38

All: 0.121+/-0.000 χ^2/NDF: 1989537571598.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:703401.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:791943.8/18

Left: 0.006+/-0.000 χ^2/NDF: 1495453.0/38

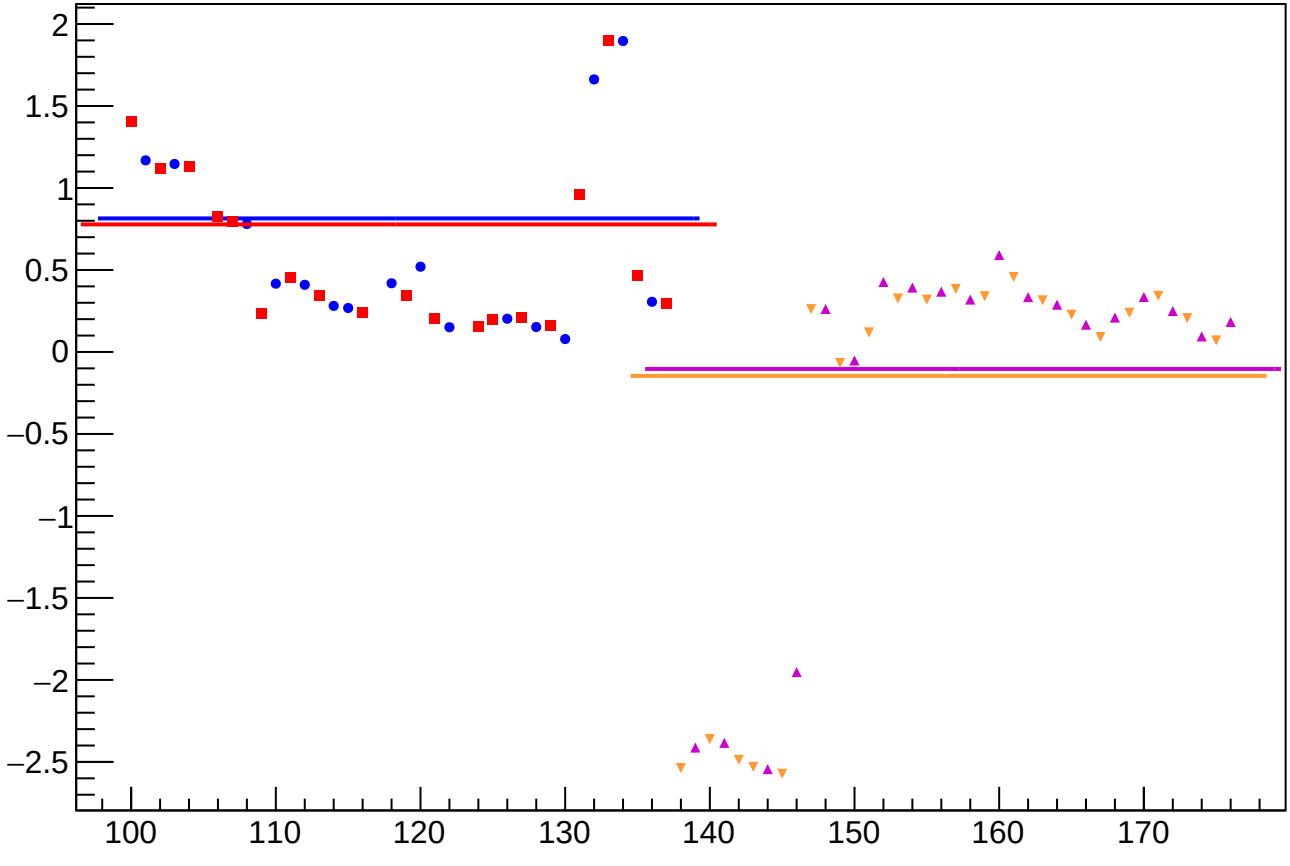
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3846645.1/34

Out: 0.005+/-0.000 χ^2/NDF:4055754.7/38

All: 0.005+/-0.000 χ^2/NDF: 7905929.6/73

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.146+/-0.000 χ^2/NDF:378724454691.7/19

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.104+/-0.000 χ^2/NDF:341397949217.1/18

Left: -0.125+/-0.000 χ^2/NDF: 720484326218.6/38

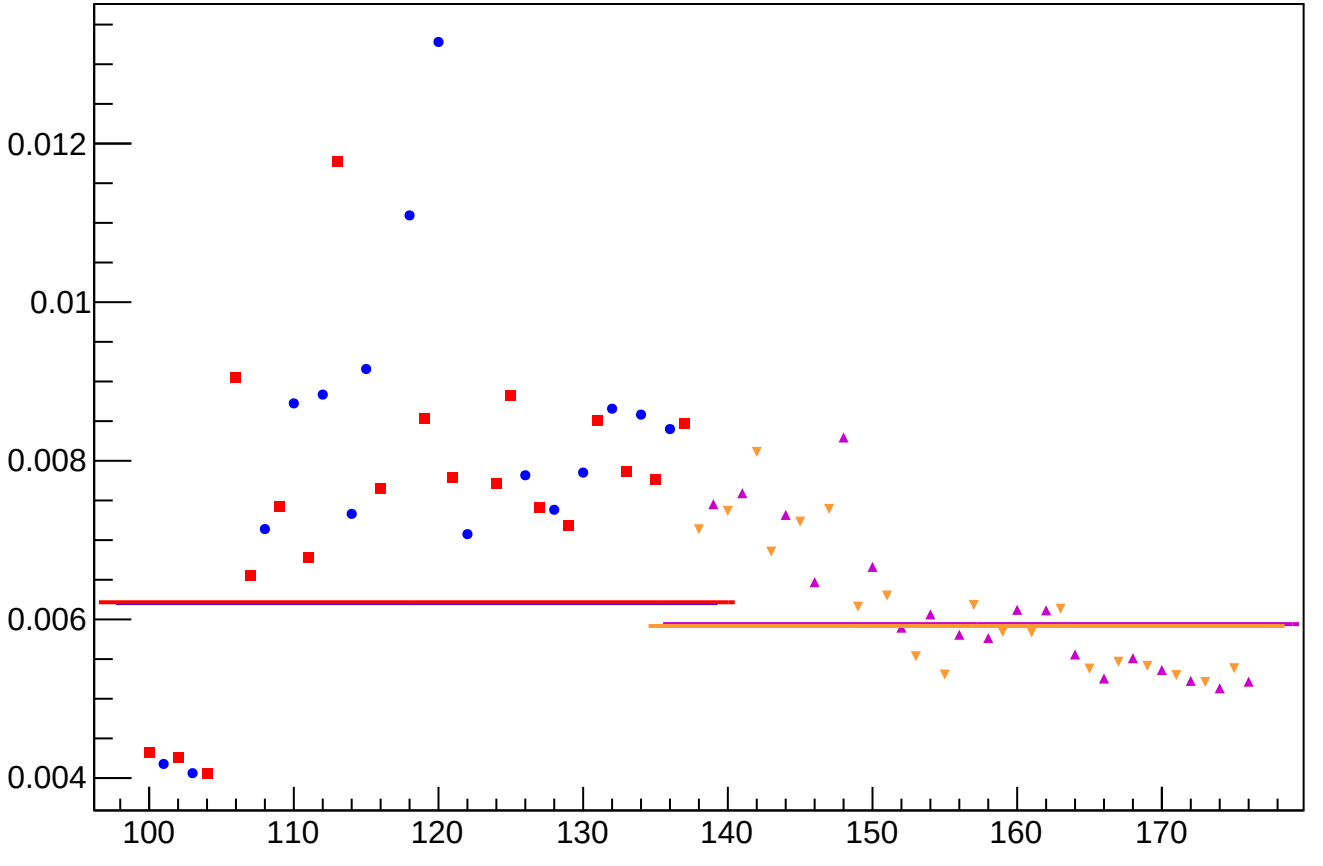
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.140+/-0.000 χ^2/NDF:466085298719.5/34

Out: 0.110+/-0.000 χ^2/NDF:509295342255.9/38

All: 0.125+/-0.000 χ^2/NDF: 975642436513.1

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:415921.9/19

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:489946.8/18

Left: 0.006+/-0.000 χ^2/NDF: 906088.0/38

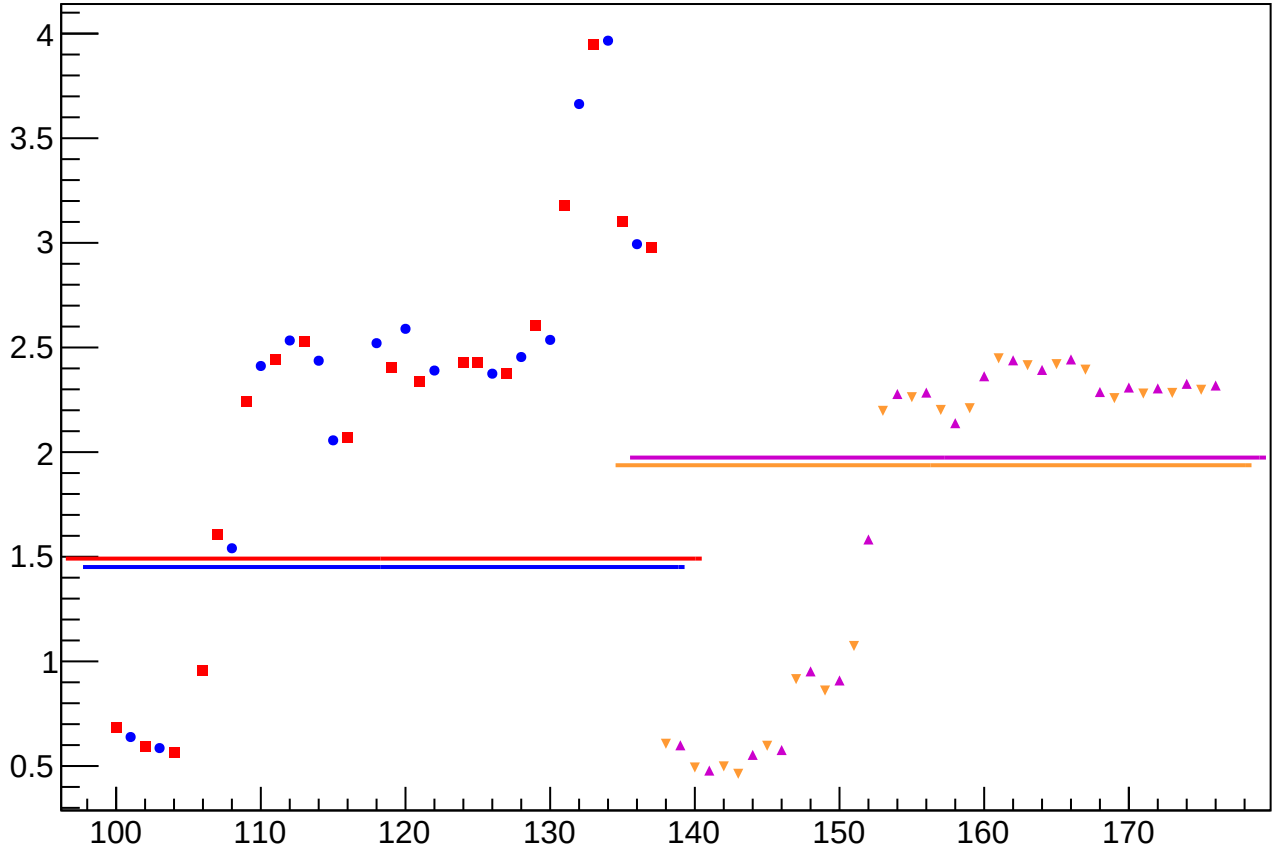
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1928734.0/34

Out: 0.006+/-0.000 χ^2/NDF:1597126.0/38

All: 0.006+/-0.000 χ^2/NDF: 3525928.6/73

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.937+/-0.000 χ^2/NDF:209308857912.8/19

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.974+/-0.000 χ^2/NDF:187261729386.7/18

Left: 1.956+/-0.000 χ^2/NDF: 396865867035.2/38

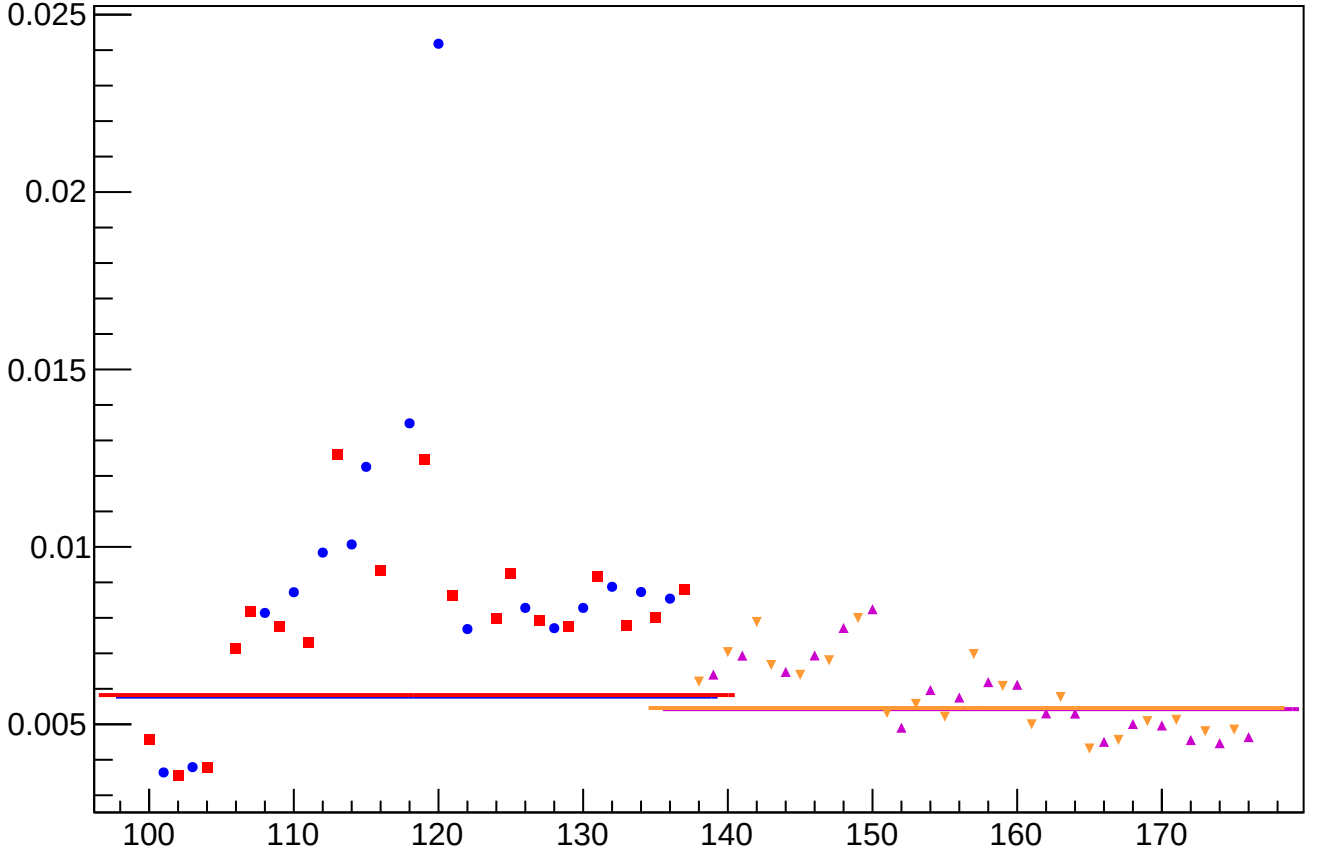
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.841+/-0.000 χ^2/NDF:387459892877.8/34

Out: 1.818+/-0.000 χ^2/NDF:419791331621.1/38

All: 1.829+/-0.000 χ^2/NDF: 807407511554.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:687088.3/19

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781093.2/18

Left: 0.005+/-0.000 χ^2/NDF: 1468616.2/38

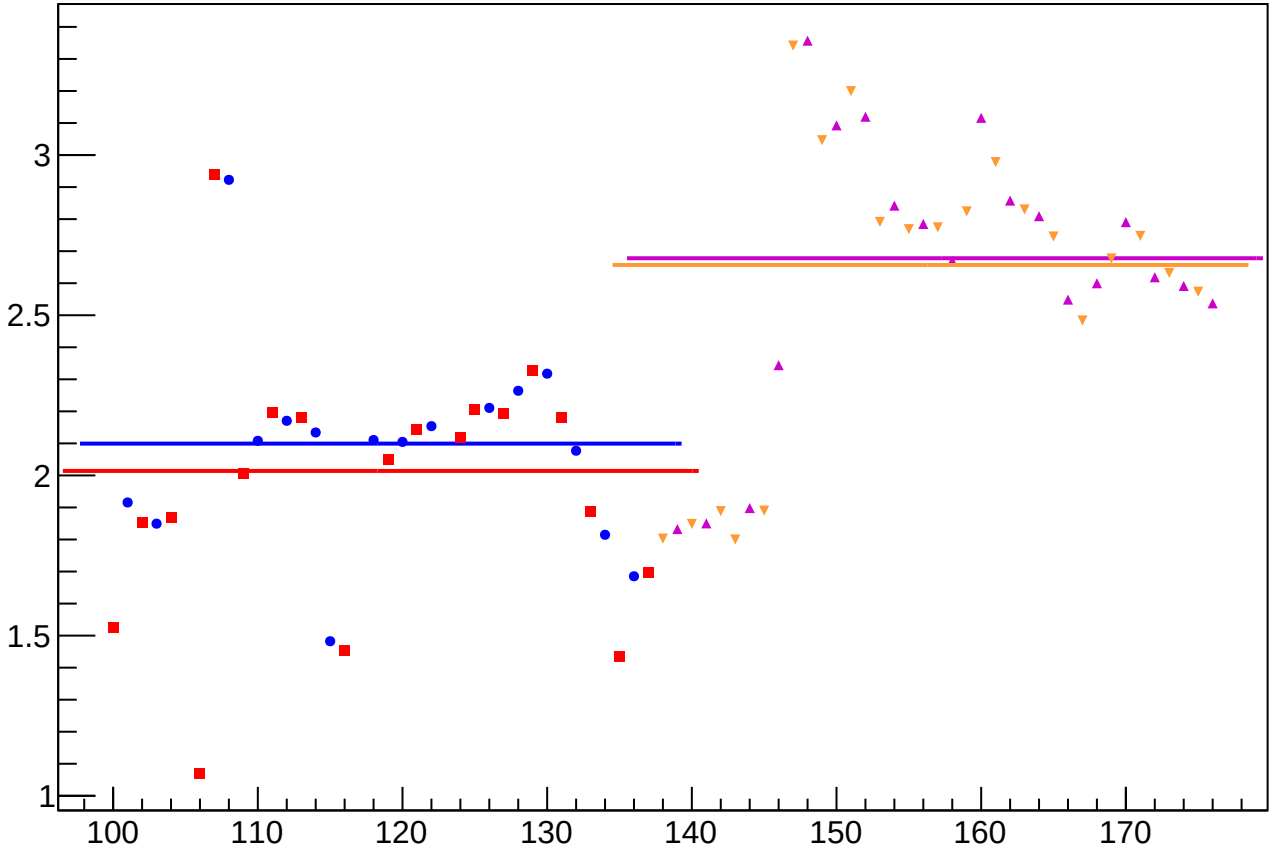
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:3022839.0/34

Out: 0.006+/-0.000 χ^2/NDF:2674339.1/38

All: 0.006+/-0.000 χ^2/NDF: 5698094.9/73

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.657+/-0.000 χ^2/NDF:43676891609.0/19

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.678+/-0.000 χ^2/NDF:37331524482.1/18

Left: 2.667+/-0.000 χ^2/NDF: 81065142924.4/38

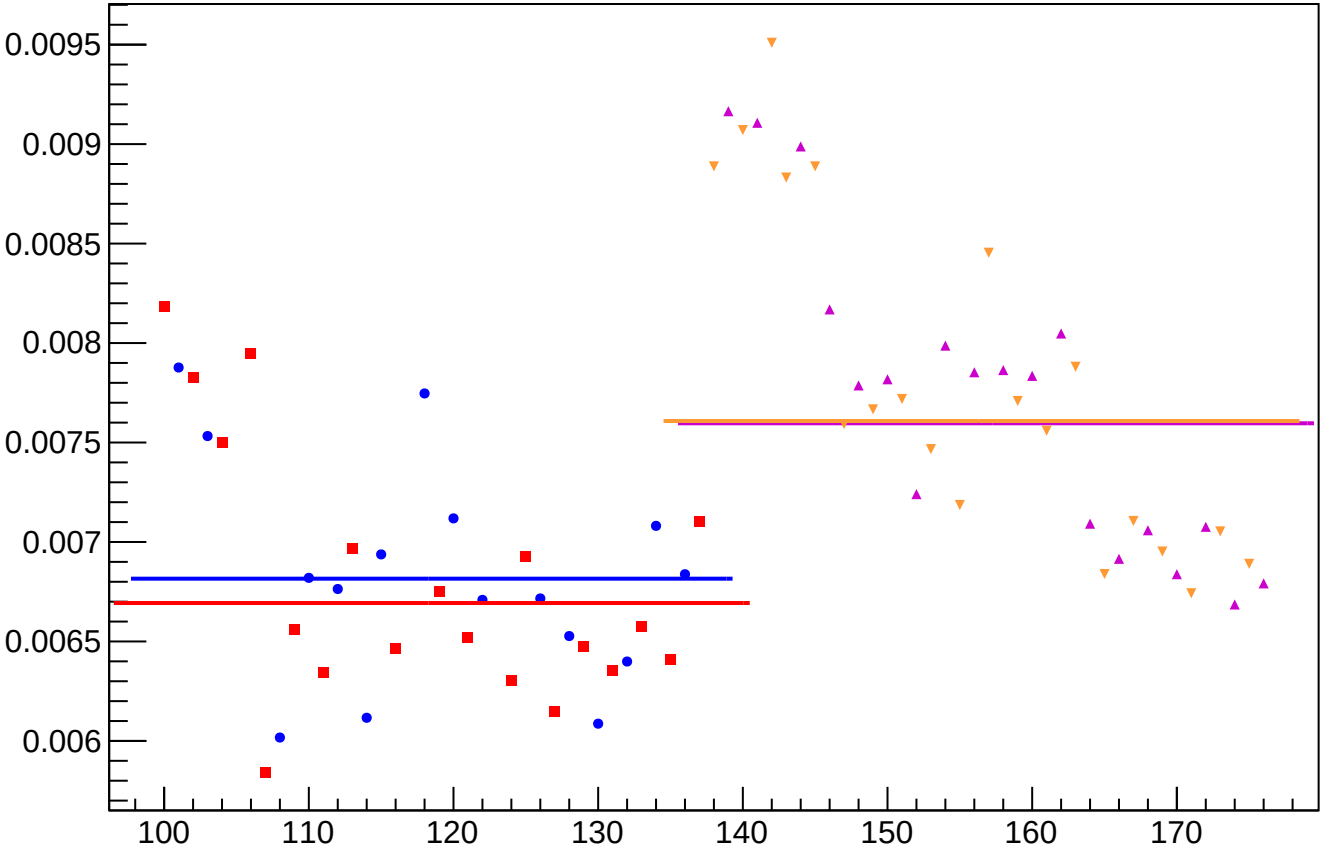
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.466+/-0.000 χ^2/NDF:82420778555.8/34

Out: 2.410+/-0.000 χ^2/NDF:103894561221.5/38

All: 2.437+/-0.000 χ^2/NDF: 186944569664.2

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:274870.6/19

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:264681.5/18

Left: 0.008+/-0.000 χ^2/NDF: 539585.7/38

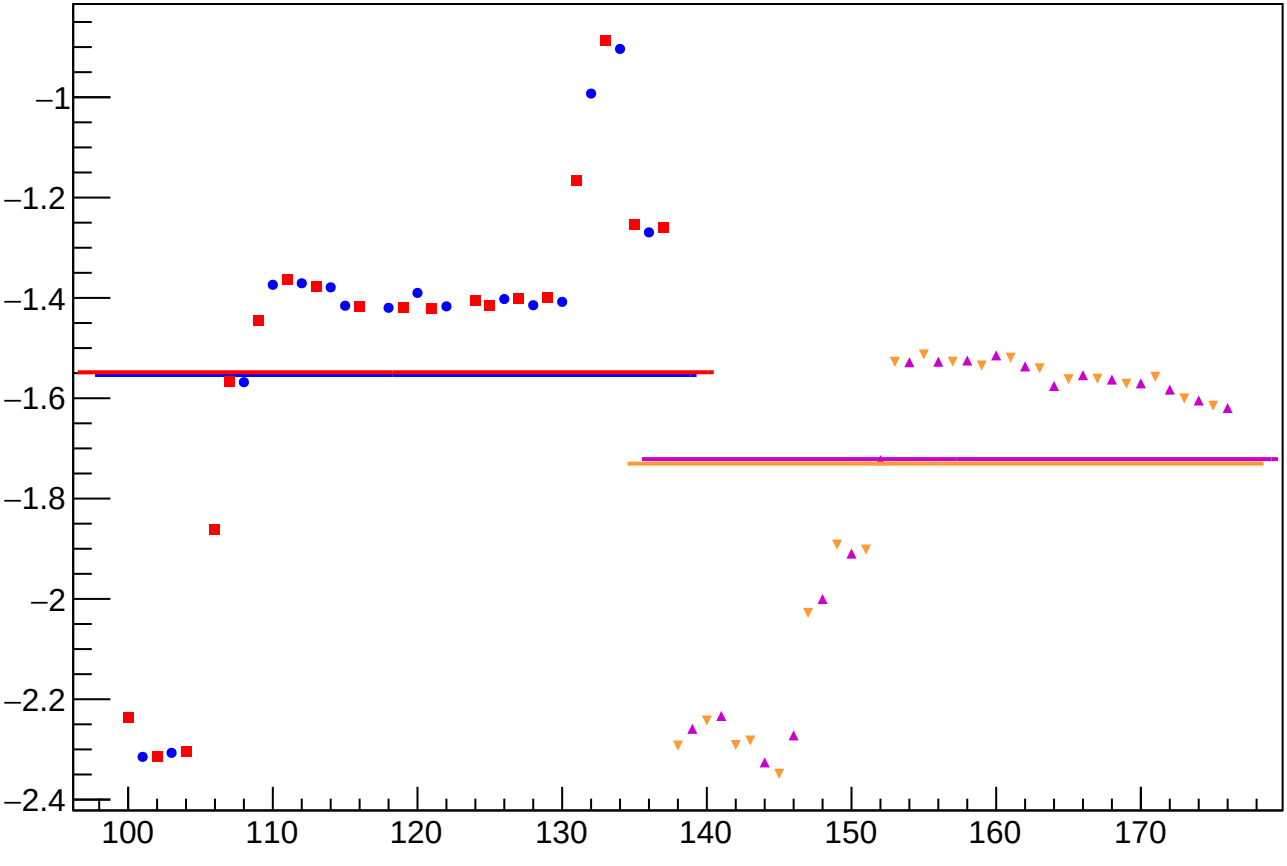
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:465046.7/34

Out: 0.007+/-0.000 χ^2/NDF:527243.5/38

All: 0.007+/-0.000 χ^2/NDF: 993440.5/73

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.730+/-0.000 χ^2/NDF:147381548169.0/19

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.721+/-0.000 χ^2/NDF:133984376037.9/18

Left: -1.726+/-0.000 χ^2/NDF: 281438951958.1/38

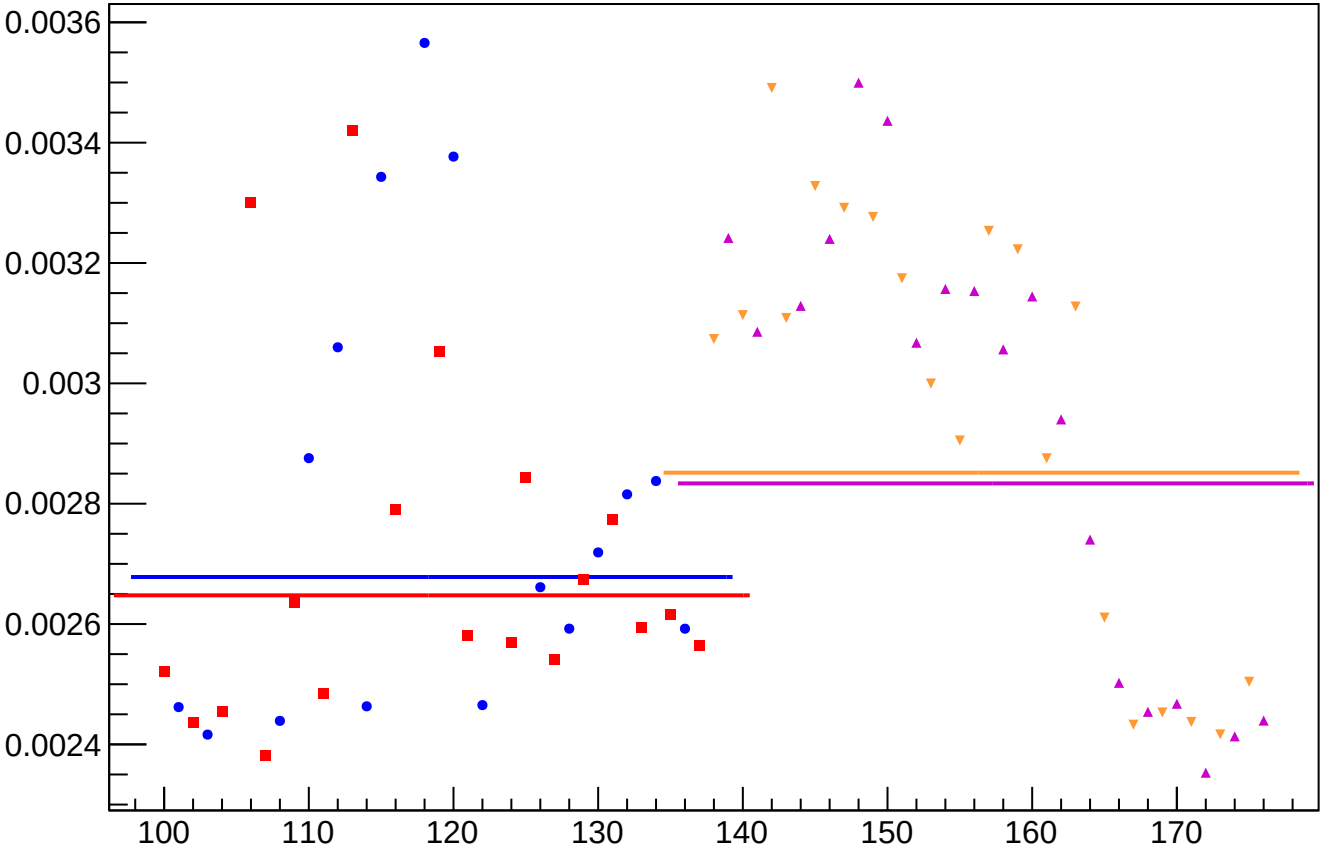
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.664+/-0.000 χ^2/NDF:326445399746.2/34

Out: -1.665+/-0.000 χ^2/NDF:343429645308.8/38

All: -1.664+/-0.000 χ^2/NDF: 669877443453.8

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:439129.6/19

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:497638.6/18

Left: 0.003+/-0.000 χ^2/NDF: 937337.9/38

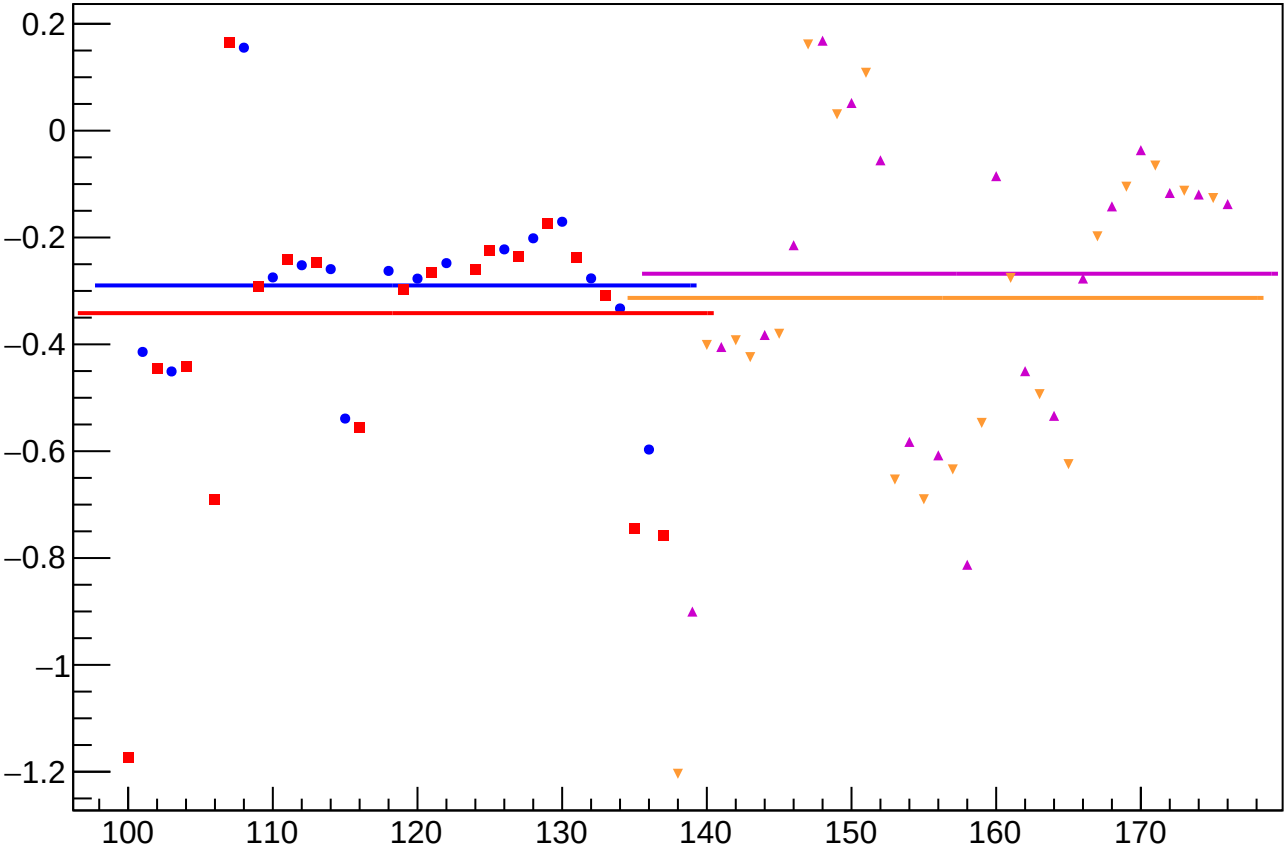
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:685276.9/34

Out: 0.003+/-0.000 χ^2/NDF:608672.1/38

All: 0.003+/-0.000 χ^2/NDF: 1293958.2/73

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.313+/-0.000 χ^2/NDF:8929504501.6/19

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.268+/-0.000 χ^2/NDF:7022685890.5/18

Left: -0.290+/-0.000 χ^2/NDF: 16046625953.7/38

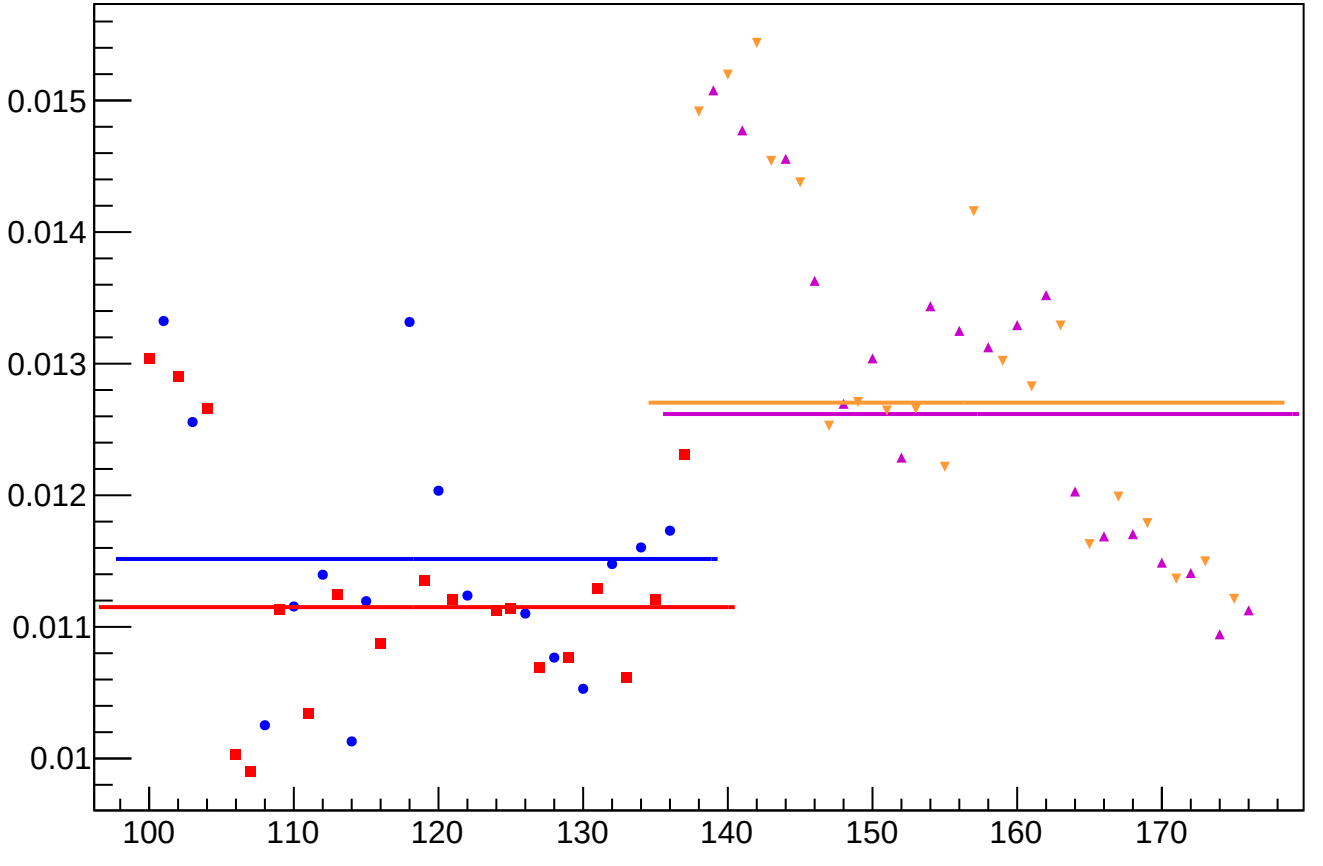
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.276+/-0.000 χ^2/NDF:8683846960.8/34

Out: -0.324+/-0.000 χ^2/NDF:11567780678.9/38

All: -0.300+/-0.000 χ^2/NDF: 20424018336.2/

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:257255.4/19

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:258150.0/18

Left: 0.013+/-0.000 χ^2/NDF: 516094.5/38

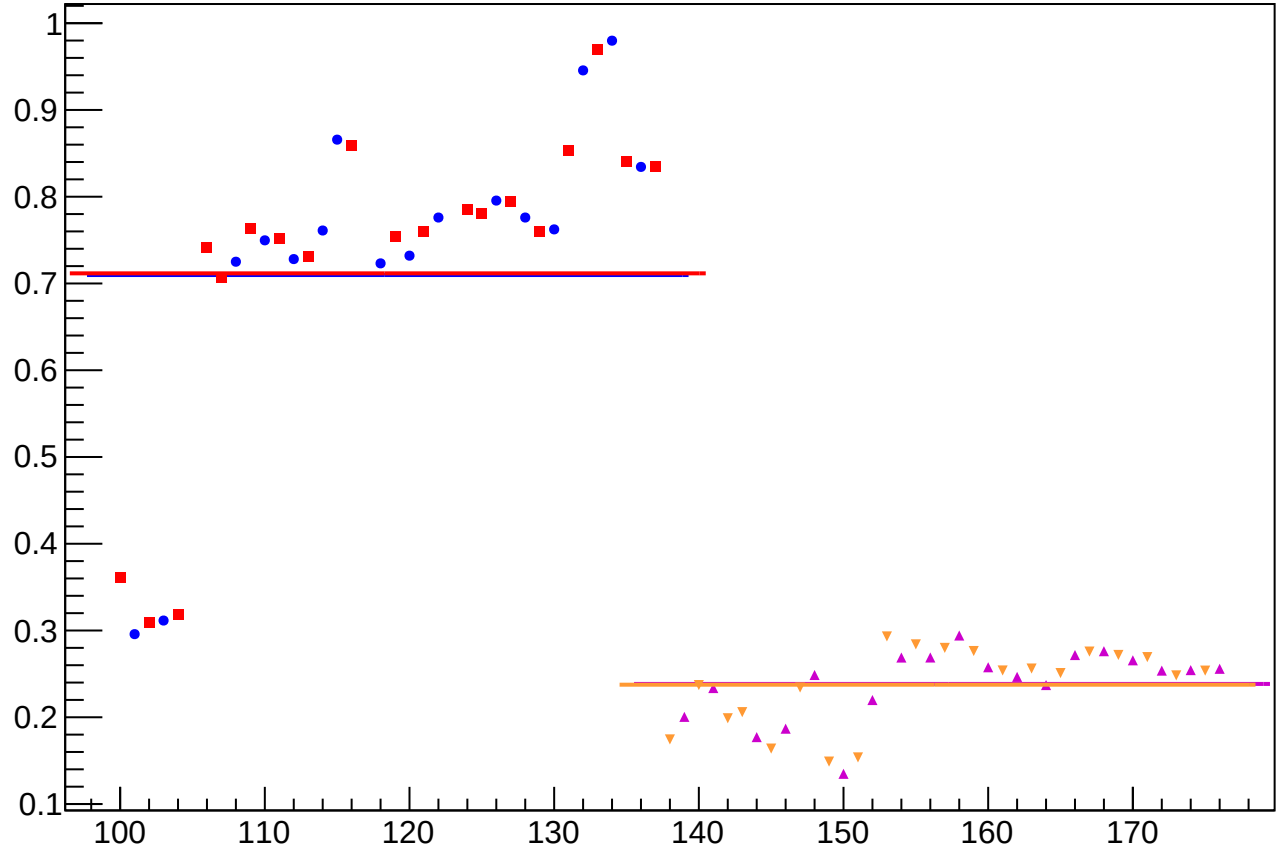
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:423118.6/34

Out: 0.012+/-0.000 χ^2/NDF:500404.3/38

All: 0.012+/-0.000 χ^2/NDF: 925536.1/73

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.238+/-0.000 χ^2/NDF:6807965960.3/19

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.238+/-0.000 χ^2/NDF:5408474354.6/18

Left: 0.238+/-0.000 χ^2/NDF: 12217751350.8/38

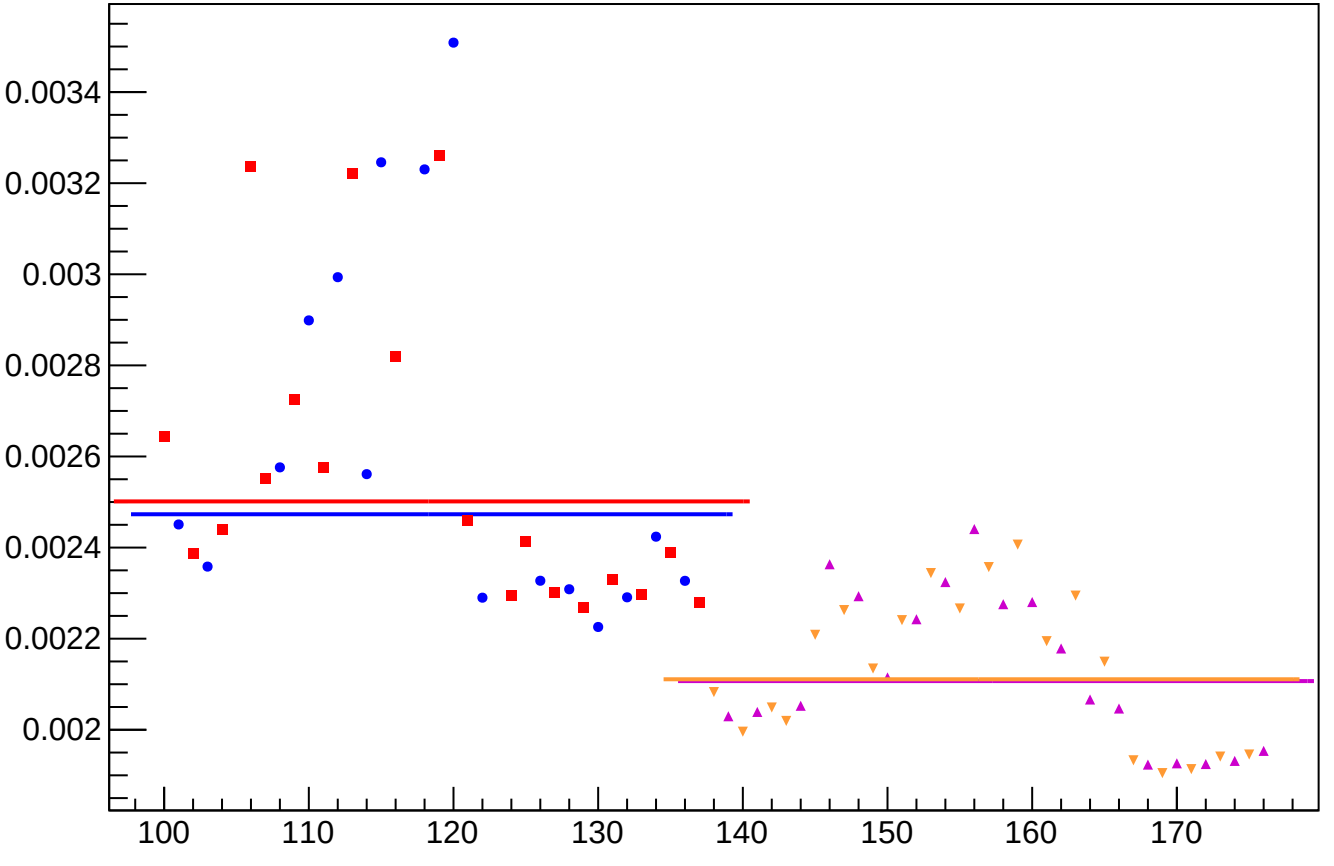
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.354+/-0.000 χ^2/NDF:241481466438.5/34

Out: 0.353+/-0.000 χ^2/NDF:242337904653.8/38

All: 0.353+/-0.000 χ^2/NDF: 483821011306.7

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:180631.8/19

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:177989.5/18

Left: 0.002+/-0.000 χ^2/NDF: 358676.3/38

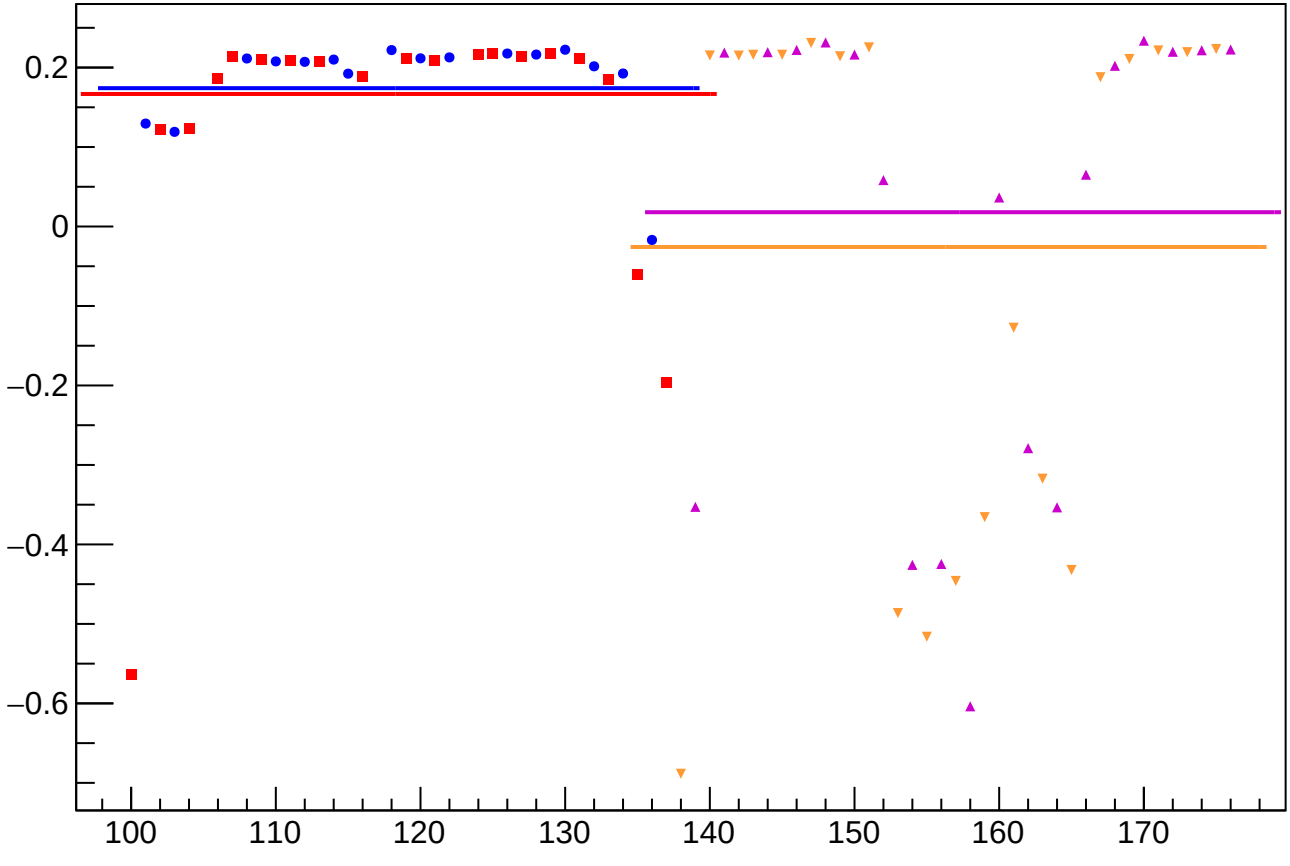
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:612073.4/34

Out: 0.002+/-0.000 χ^2/NDF:617667.0/38

All: 0.002+/-0.000 χ^2/NDF: 1230142.4/73

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.026+/-0.000 χ^2/NDF:11510365127.3/19

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.018+/-0.000 χ^2/NDF:8873596095.9/18

Left: -0.004+/-0.000 χ^2/NDF: 20491779981.9/38

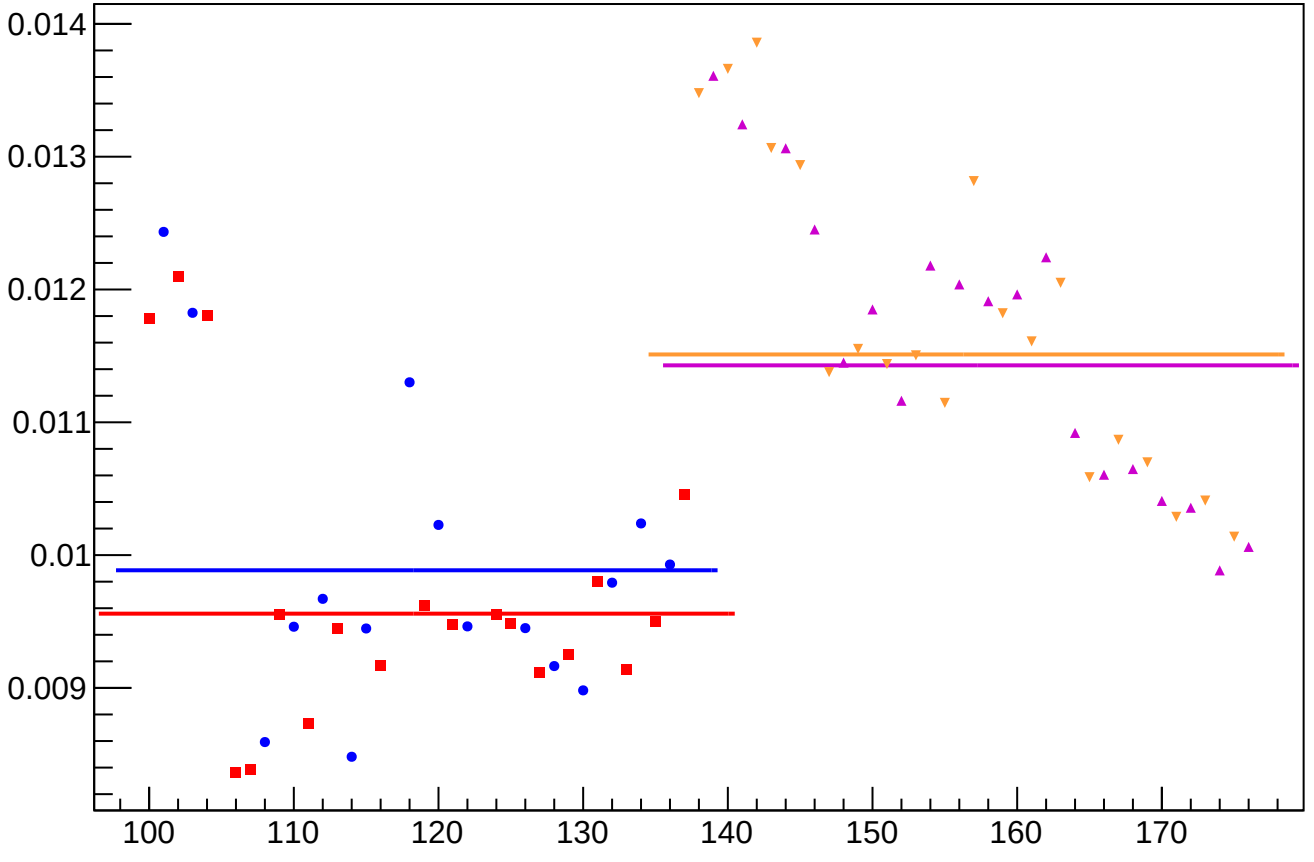
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.078+/-0.000 χ^2/NDF:10327651748.7/34

Out: 0.053+/-0.000 χ^2/NDF:14123706401.5/38

All: 0.065+/-0.000 χ^2/NDF: 24507857540.7/7

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:245716.7/19

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:251147.6/18

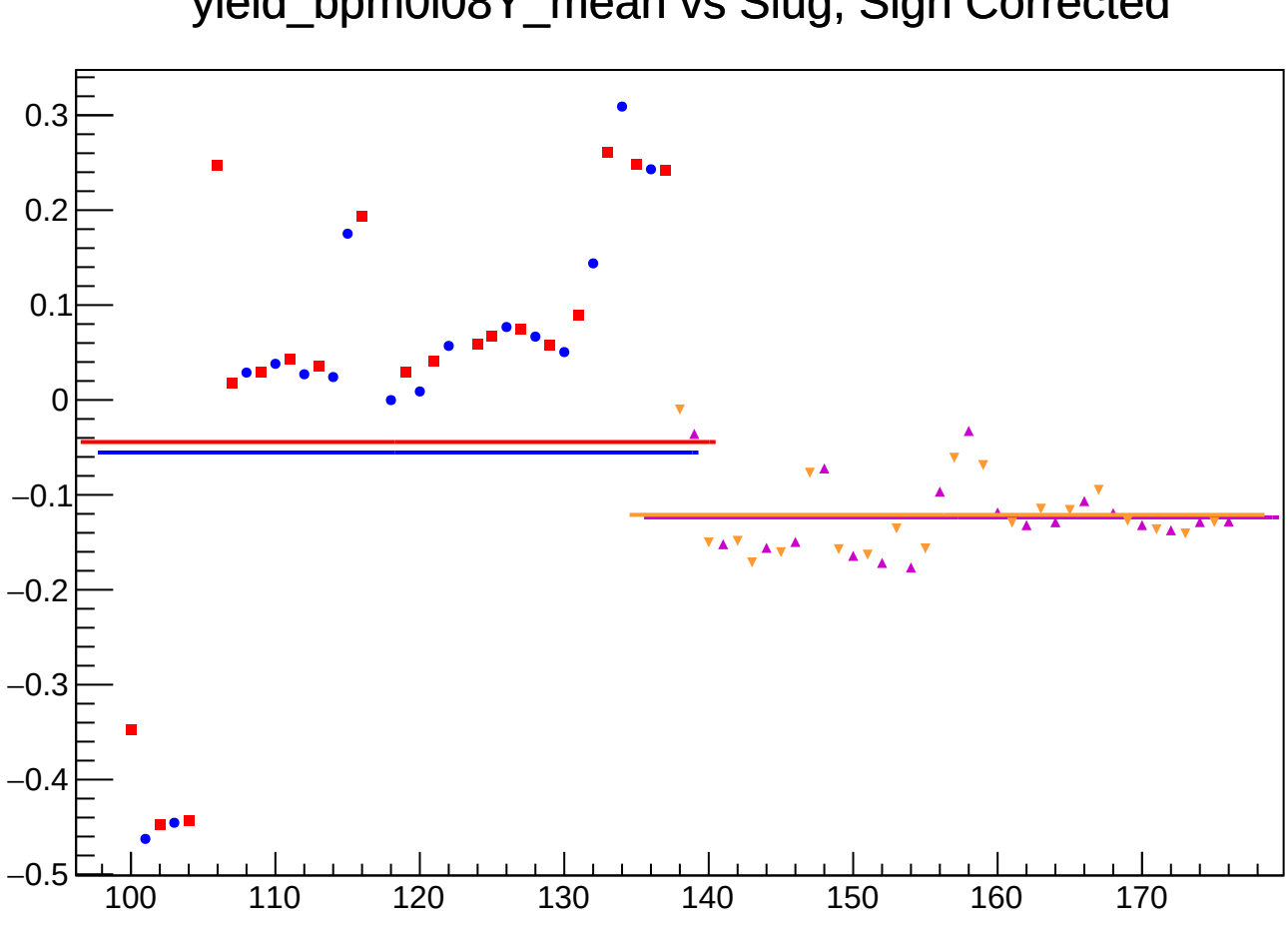
Left: 0.011+/-0.000 χ^2/NDF: 497622.3/38

Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:605432.8/34

Out: 0.011+/-0.000 χ^2/NDF:735324.8/38

All: 0.011+/-0.000 χ^2/NDF: 1343795.1/73



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2908989530.6/19

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2803903524.2/18

Left: -0.122+/-0.000 χ^2/NDF: 5719881352.7/38

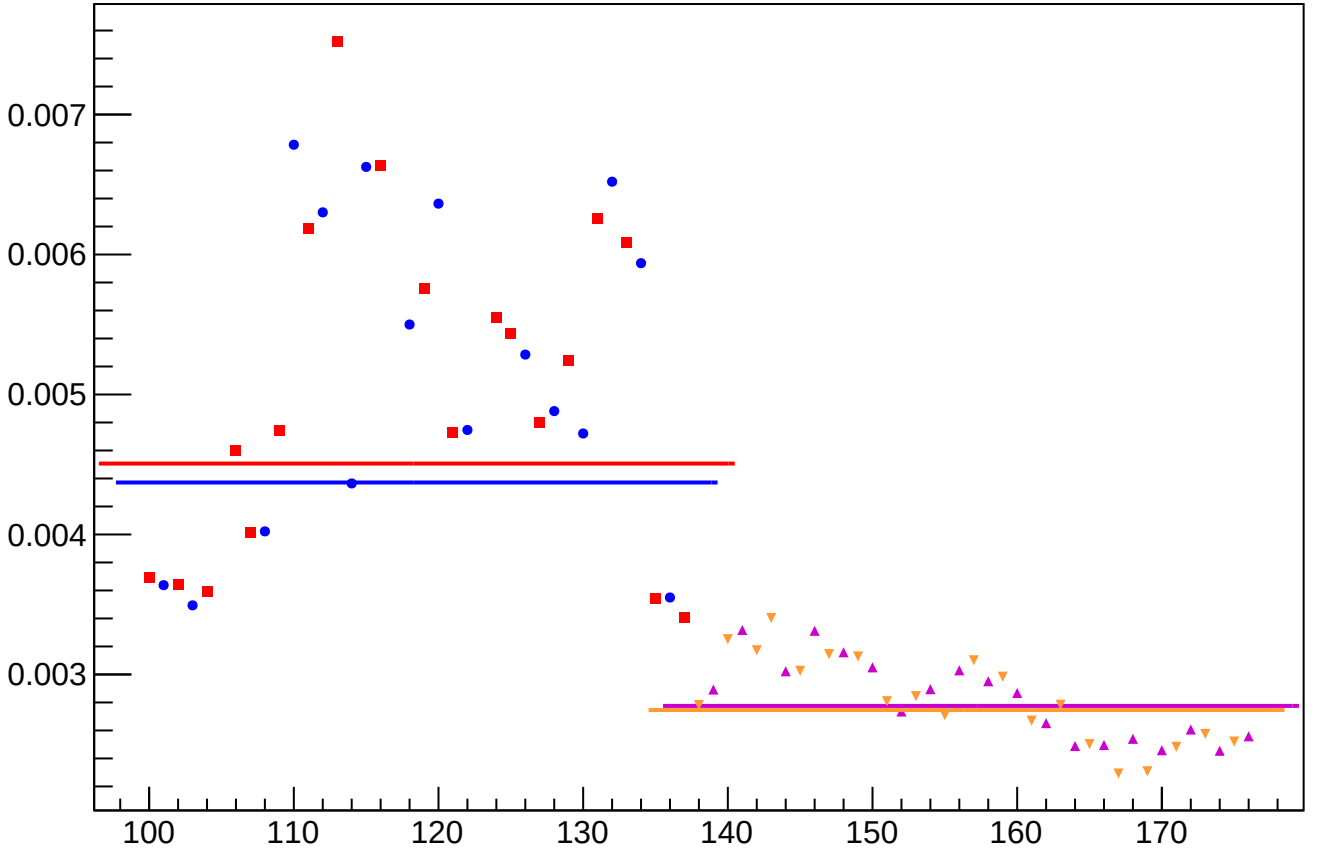
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.114+/-0.000 χ^2/NDF:28164737832.9/34

Out: -0.111+/-0.000 χ^2/NDF:26645349012.0/38

All: -0.112+/-0.000 χ^2/NDF: 54822888032.5/

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:372328.1/19

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:275335.7/18

Left: 0.003+/-0.000 χ^2/NDF: 649371.9/38

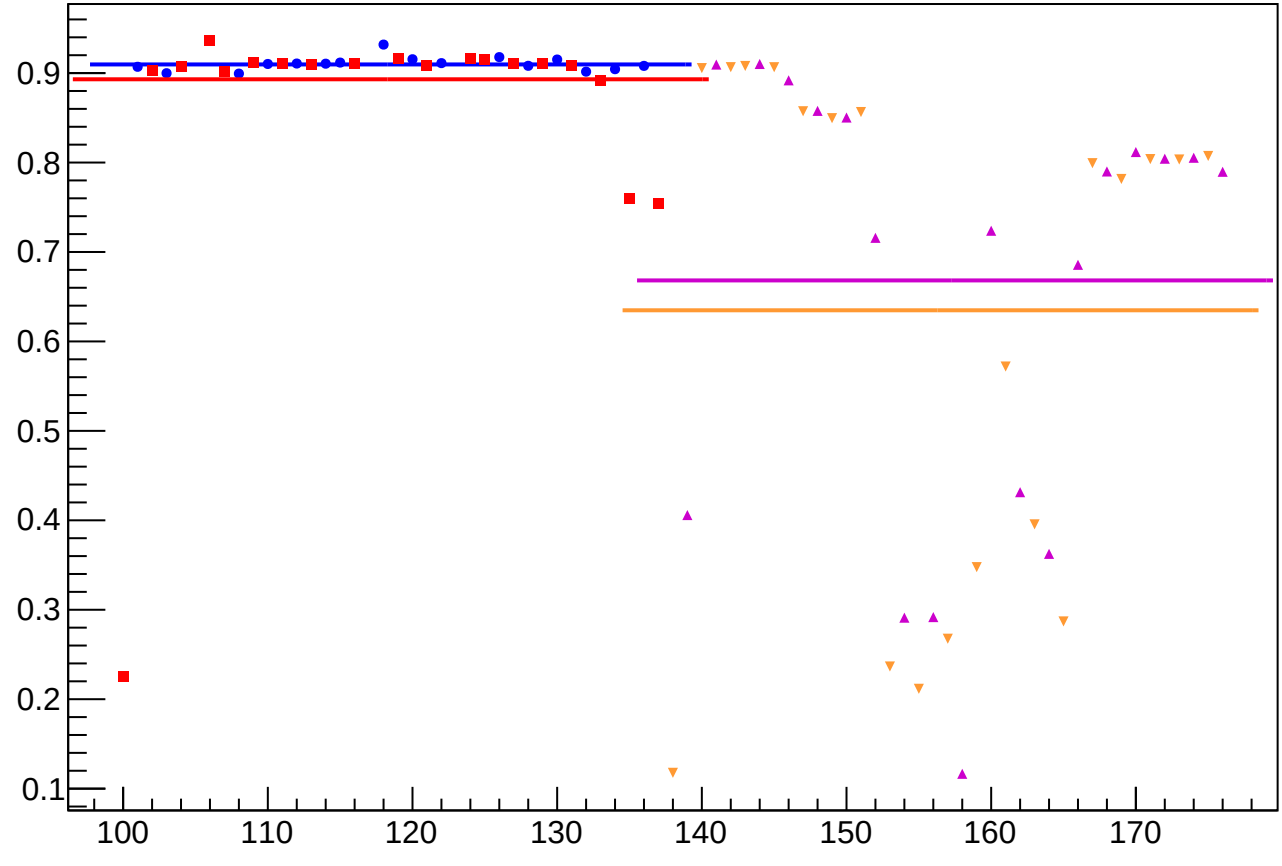
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2329304.4/34

Out: 0.003+/-0.000 χ^2/NDF:2761736.9/38

All: 0.003+/-0.000 χ^2/NDF: 5091759.7/73

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.635+/-0.000 χ^2/NDF:8693389019.7/19

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.668+/-0.000 χ^2/NDF:6752735784.3/18

Left: 0.651+/-0.000 χ^2/NDF: 15512298537.6/38

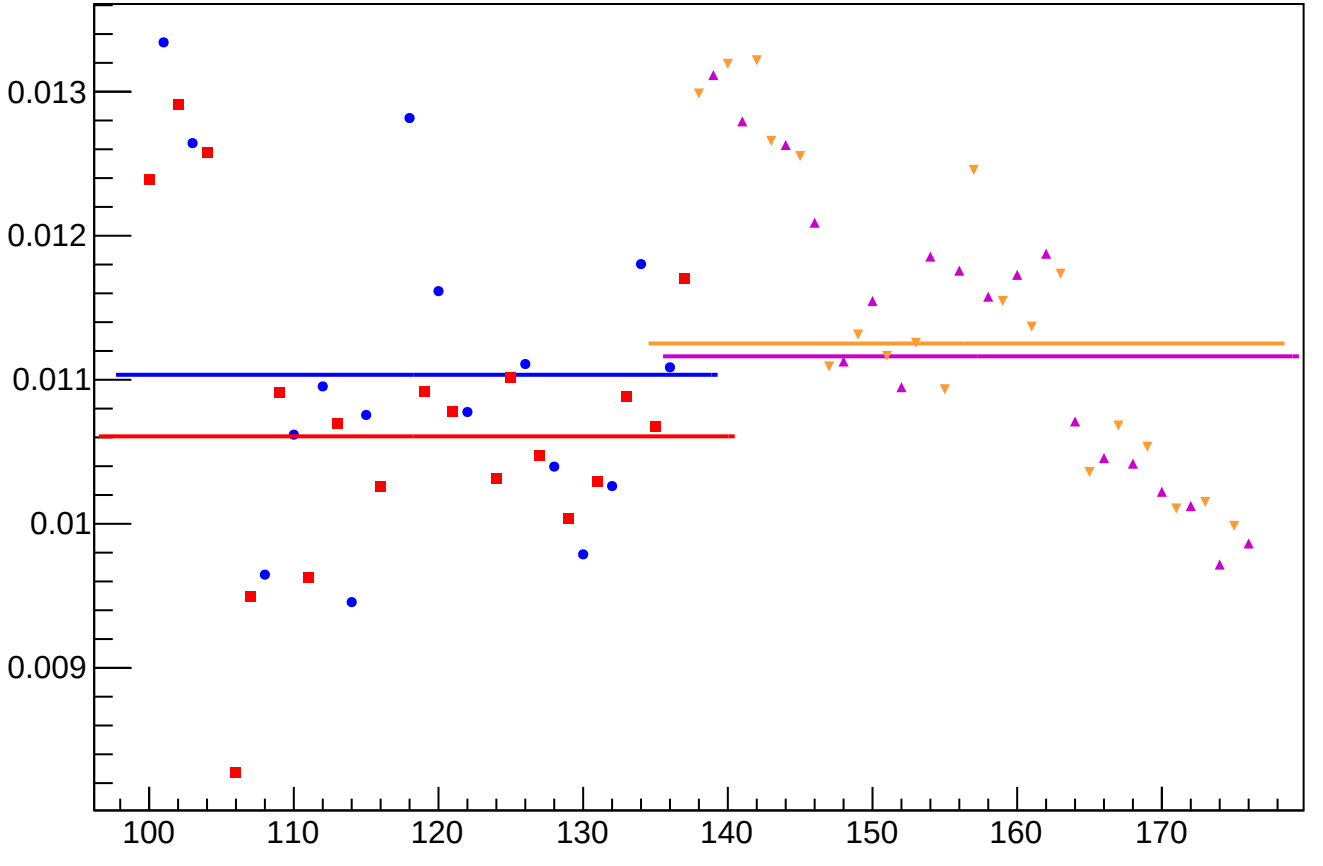
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.746+/-0.000 χ^2/NDF:8984150766.4/34

Out: 0.725+/-0.000 χ^2/NDF:11796517795.1/38

All: 0.735+/-0.000 χ^2/NDF: 20819272245.9/7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:217497.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:225134.6/18

Left: 0.011+/-0.000 χ^2/NDF: 443577.2/38

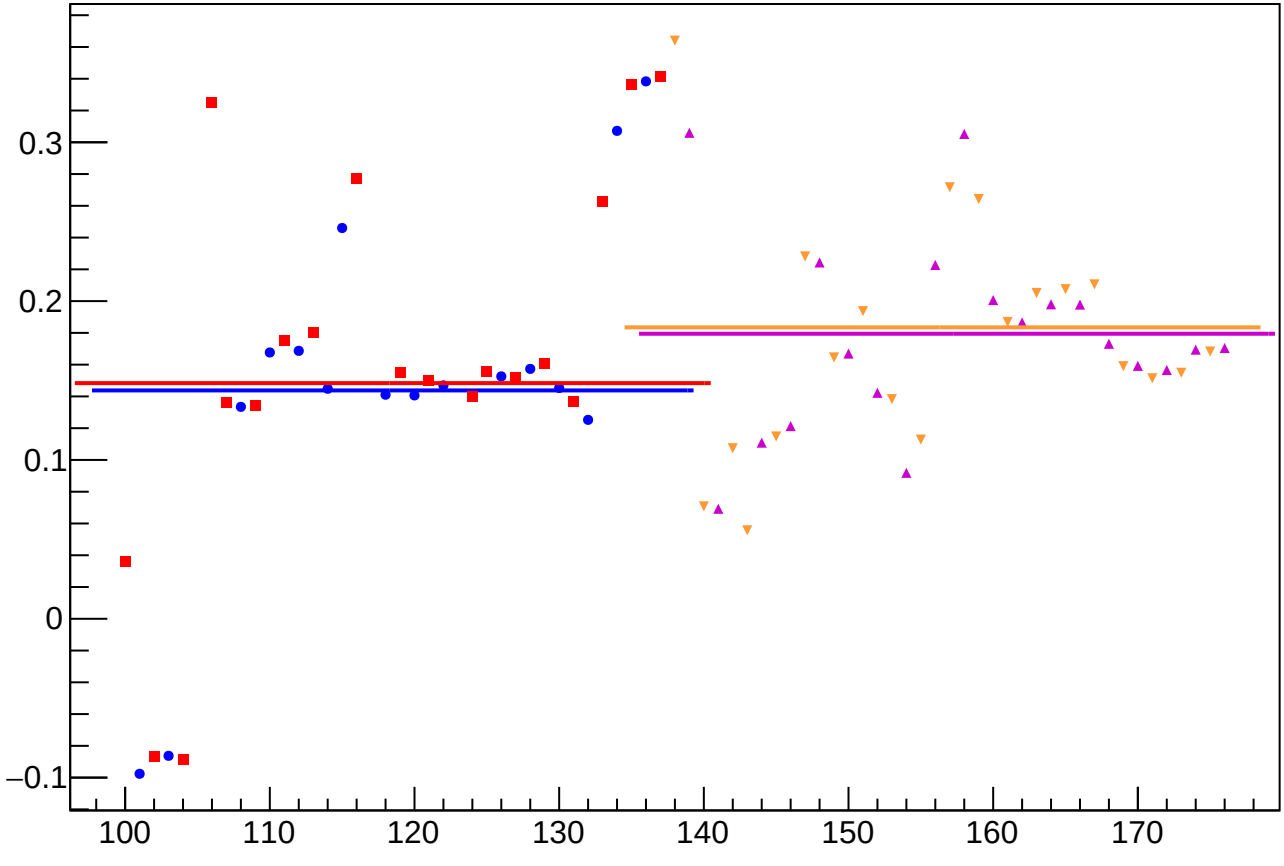
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:356741.1/34

Out: 0.011+/-0.000 χ^2/NDF:396028.3/38

All: 0.011+/-0.000 χ^2/NDF: 754391.6/73

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.183+/-0.000 χ^2/NDF:6338088647.0/19

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.179+/-0.000 χ^2/NDF:4572032877.2/18

Left: 0.182+/-0.000 χ^2/NDF: 10922712194.7/38

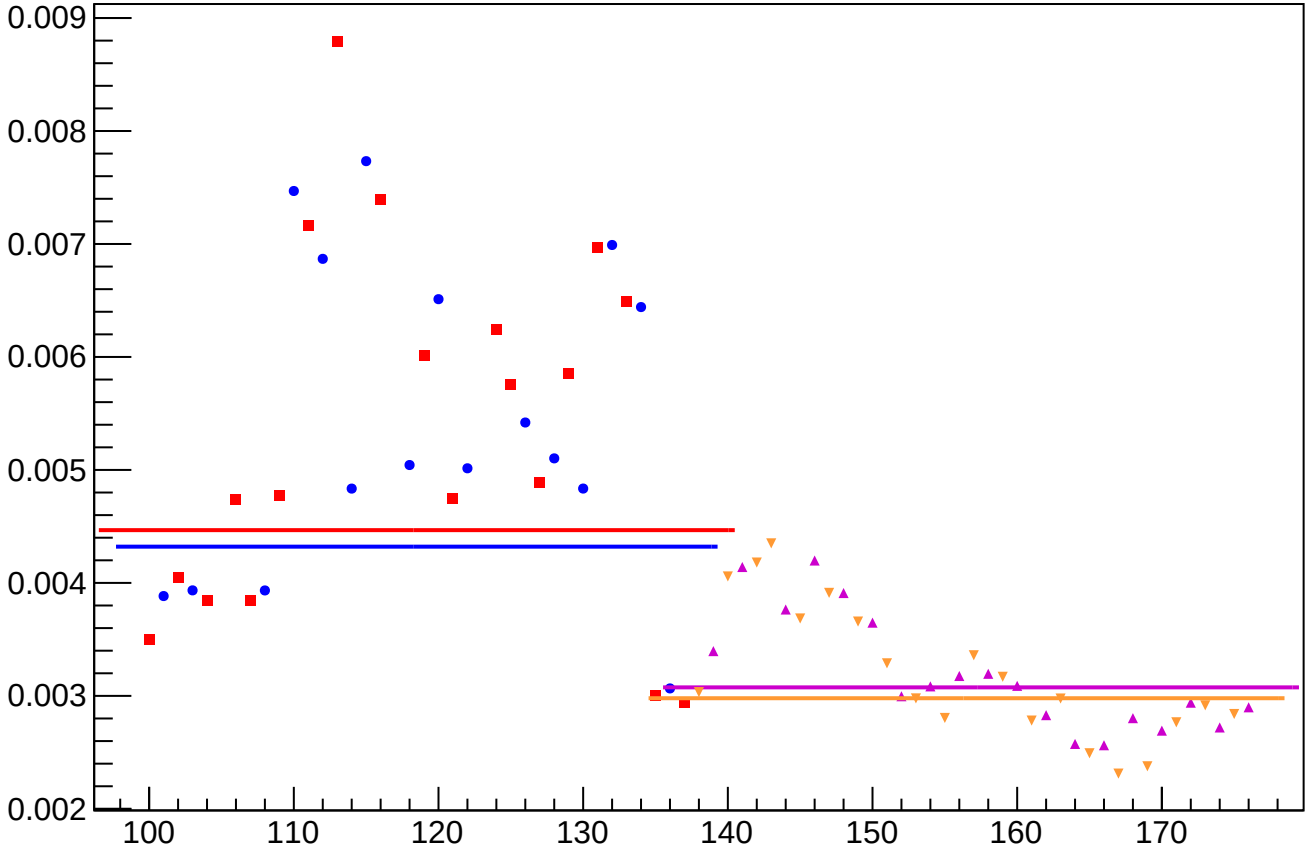
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12763488307.4/34

Out: 0.178+/-0.000 χ^2/NDF:13776469079.1/38

All: 0.176+/-0.000 χ^2/NDF: 26560065538.0/7

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:843821.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:573336.0/18

Left: 0.003+/-0.000 χ^2/NDF: 1431544.2/38

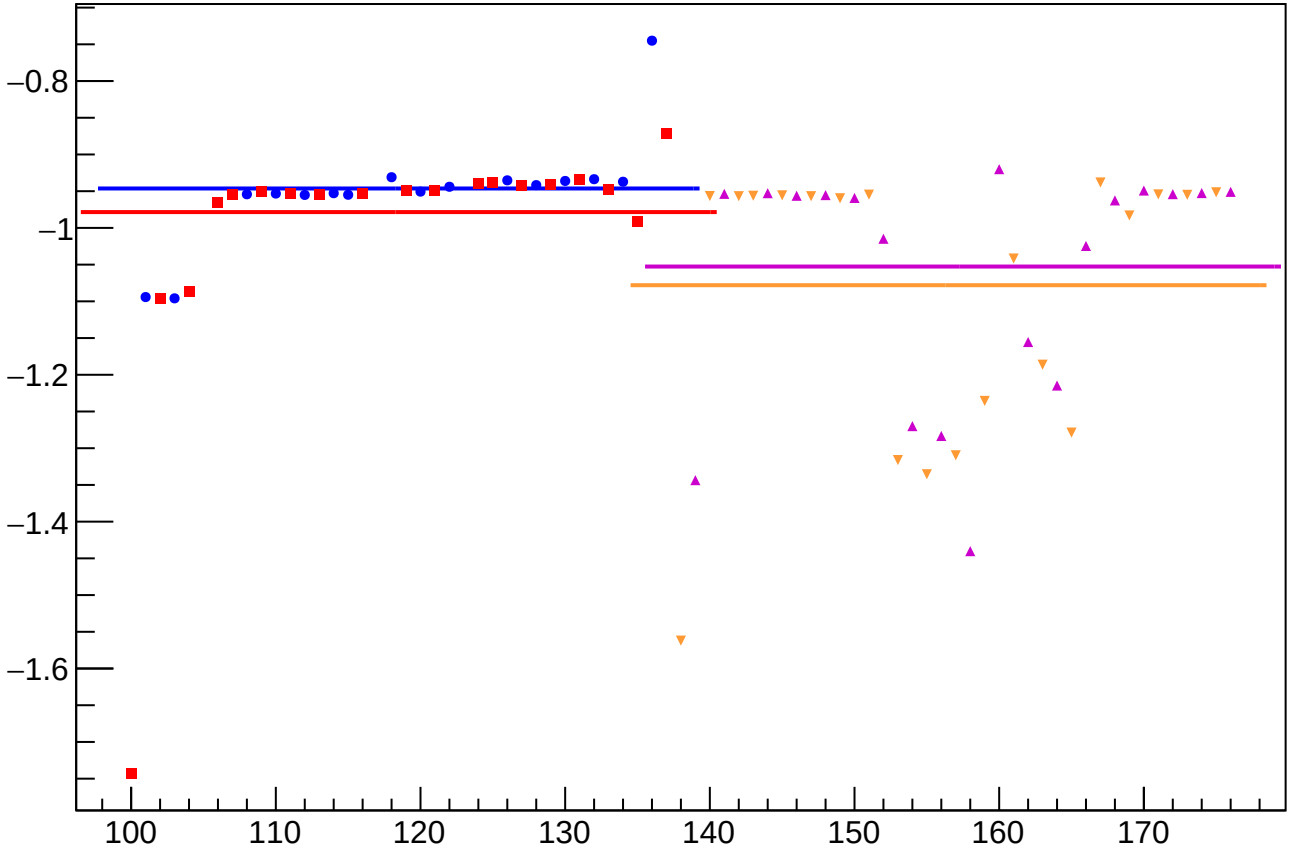
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2241559.5/34

Out: 0.003+/-0.000 χ^2/NDF:3042550.1/38

All: 0.003+/-0.000 χ^2/NDF: 5295258.2/73

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.078+/-0.000 χ^2/NDF:4567539440.6/19

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.053+/-0.000 χ^2/NDF:3657794374.9/18

Left: -1.065+/-0.000 χ^2/NDF: 8273910550.0/38

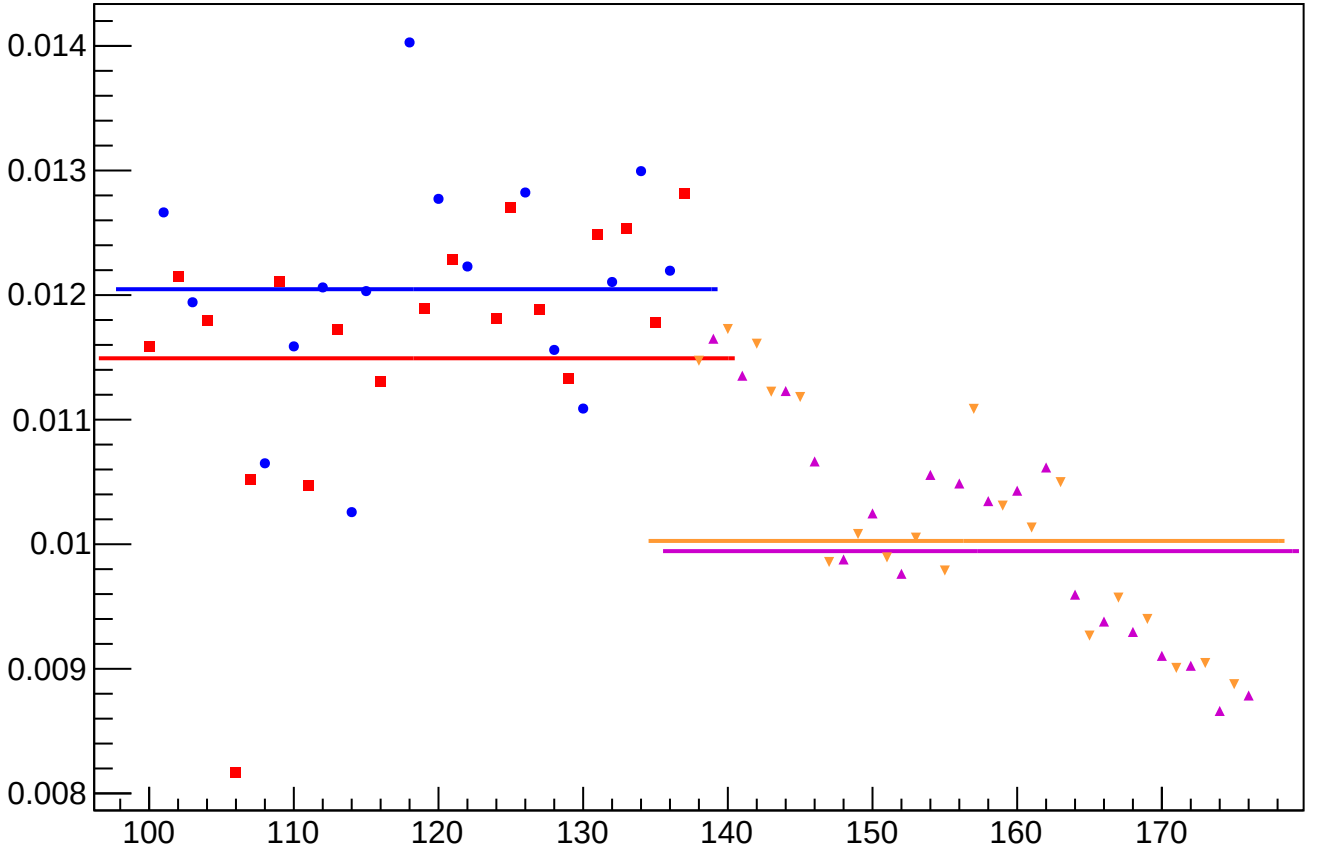
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.027+/-0.000 χ^2/NDF:4468986090.1/34

Out: -1.052+/-0.000 χ^2/NDF:5423764623.6/38

All: -1.040+/-0.000 χ^2/NDF: 9953123103.6/7

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:210176.2/19

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:218870.9/18

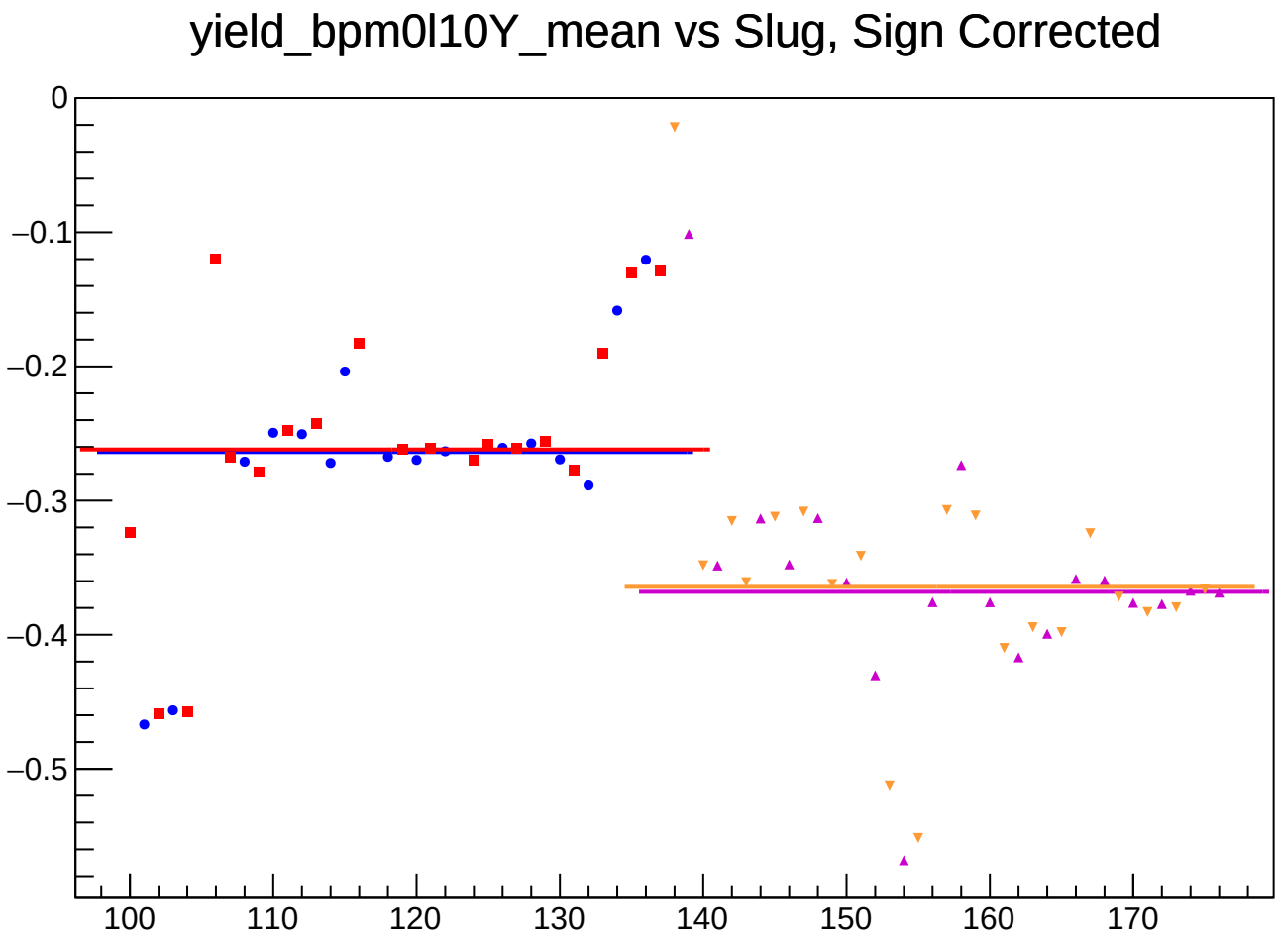
Left: 0.010+/-0.000 χ^2/NDF: 430052.6/38

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

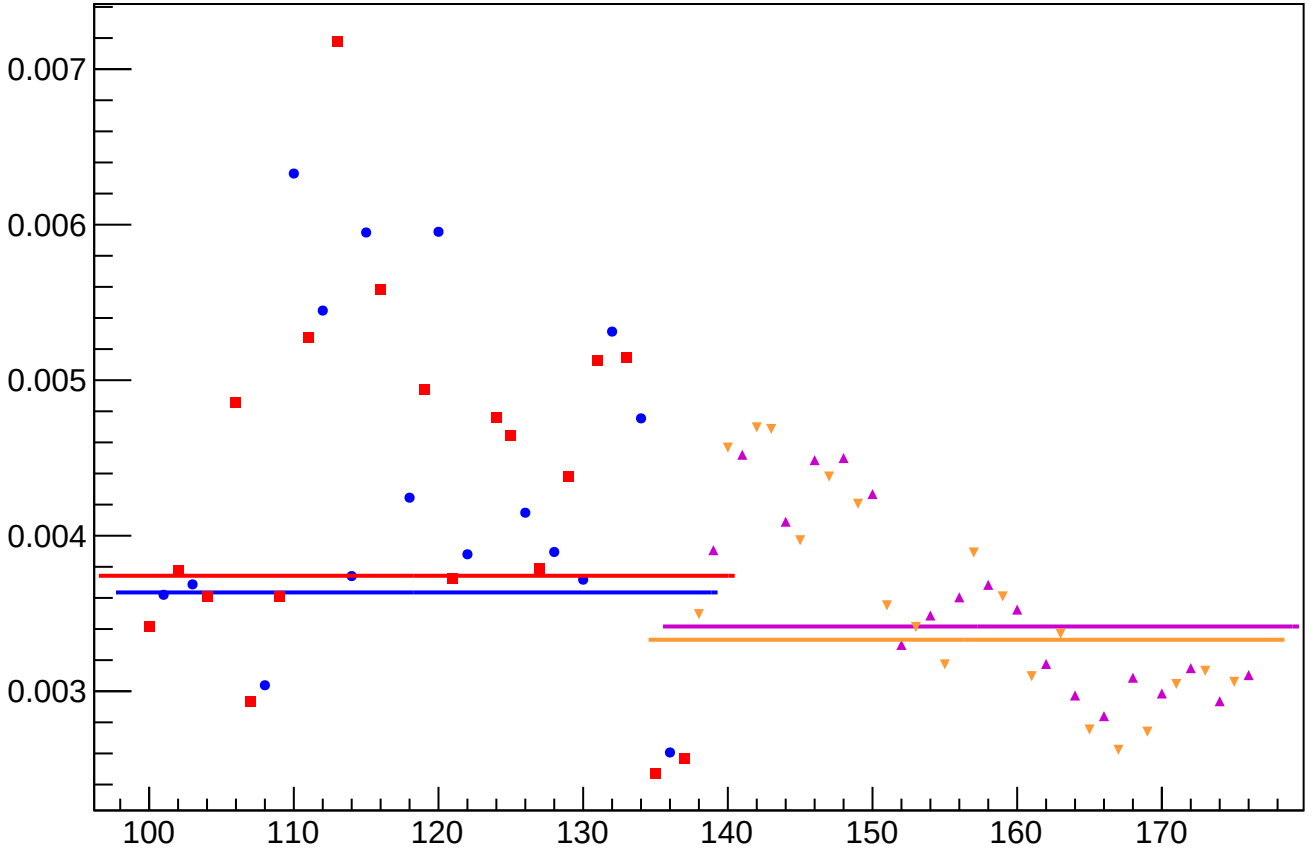
In: 0.010+/-0.000 χ^2/NDF:599561.5/34

Out: 0.010+/-0.000 χ^2/NDF:532781.5/38

All: 0.010+/-0.000 χ^2/NDF: 1132569.0/73


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: -0.364+/-0.000 χ²/NDF:11900028777.7/19
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.368+/-0.000 χ²/NDF:7568237385.6/18
Left: -0.366+/-0.000 χ²/NDF: 19476891462.4/38
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.340+/-0.000 χ²/NDF:17149604242.1/34
Out: -0.339+/-0.000 χ²/NDF:20527936704.2/38
All: -0.339+/-0.000 χ²/NDF: 37679594170.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:803171.5/19

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:604459.7/18

Left: 0.003+/-0.000 χ^2/NDF: 1416648.8/38

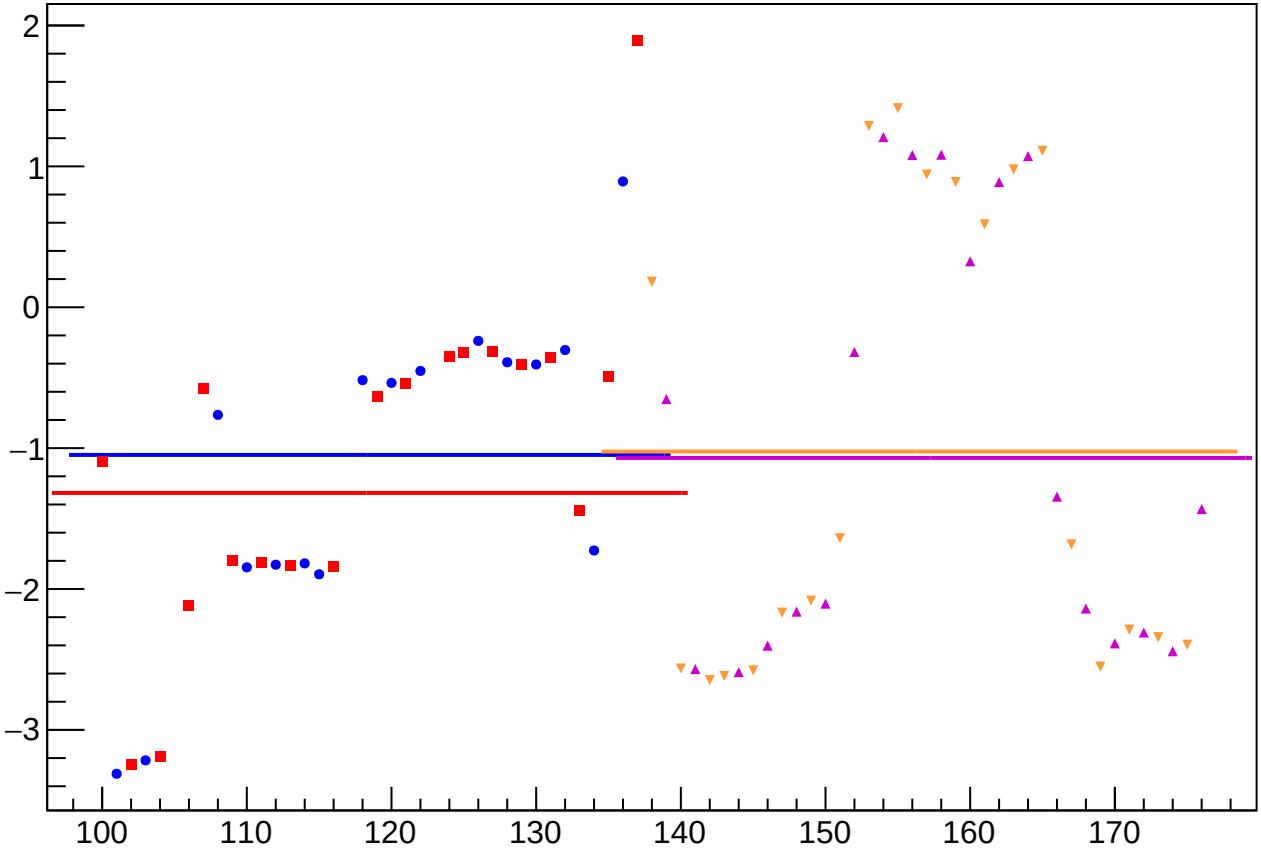
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1363737.7/34

Out: 0.003+/-0.000 χ^2/NDF:1806420.9/38

All: 0.003+/-0.000 χ^2/NDF: 3172921.8/73

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.024+/-0.000 χ^2/NDF:7133694607.3/19

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.069+/-0.000 χ^2/NDF:5813825885.2/18

Left: -1.046+/-0.000 χ^2/NDF: 12950352908.5/38

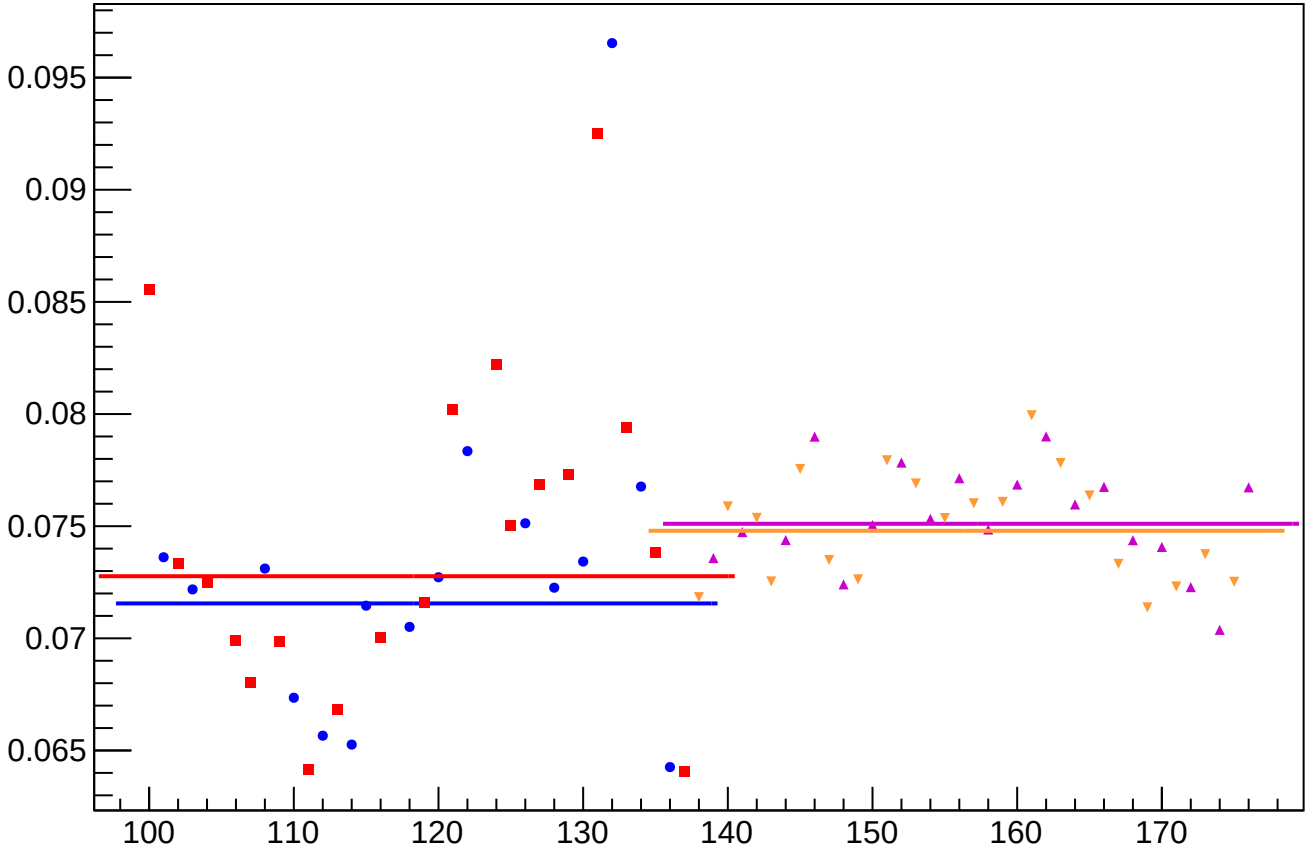
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.062+/-0.000 χ^2/NDF:8161263885.6/34

Out: -1.121+/-0.000 χ^2/NDF:9061161313.2/38

All: -1.092+/-0.000 χ^2/NDF: 17229506134.7/

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:31439.6/19

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26987.5/18

Left: 0.075+/-0.000 χ^2/NDF: 58694.4/38

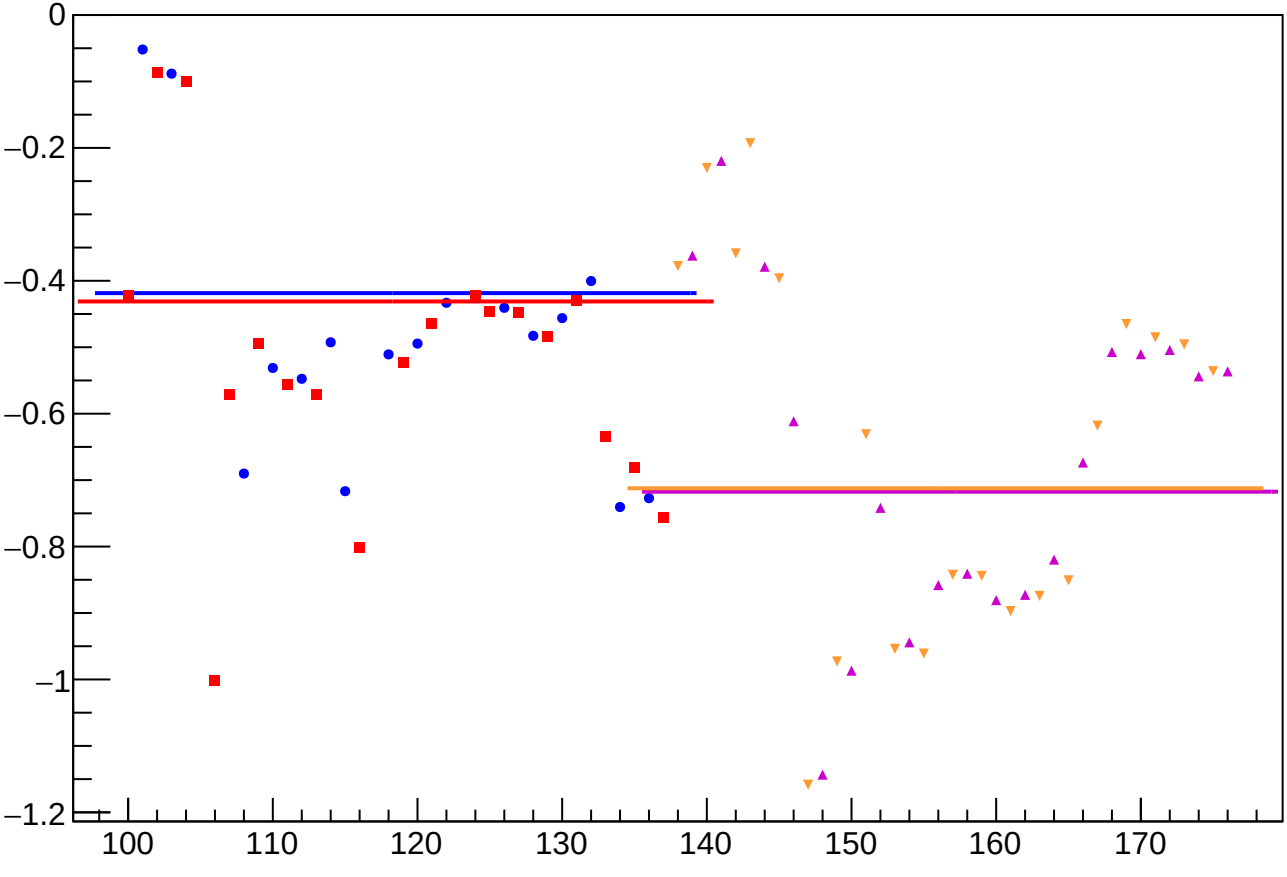
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:151143.2/34

Out: 0.074+/-0.000 χ^2/NDF:135862.2/38

All: 0.074+/-0.000 χ^2/NDF: 287195.3/73

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.712+/-0.000 χ^2/NDF:19536591119.2/19

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.717+/-0.000 χ^2/NDF:15010325712.9/18

Left: -0.715+/-0.000 χ^2/NDF: 34551254992.1/38

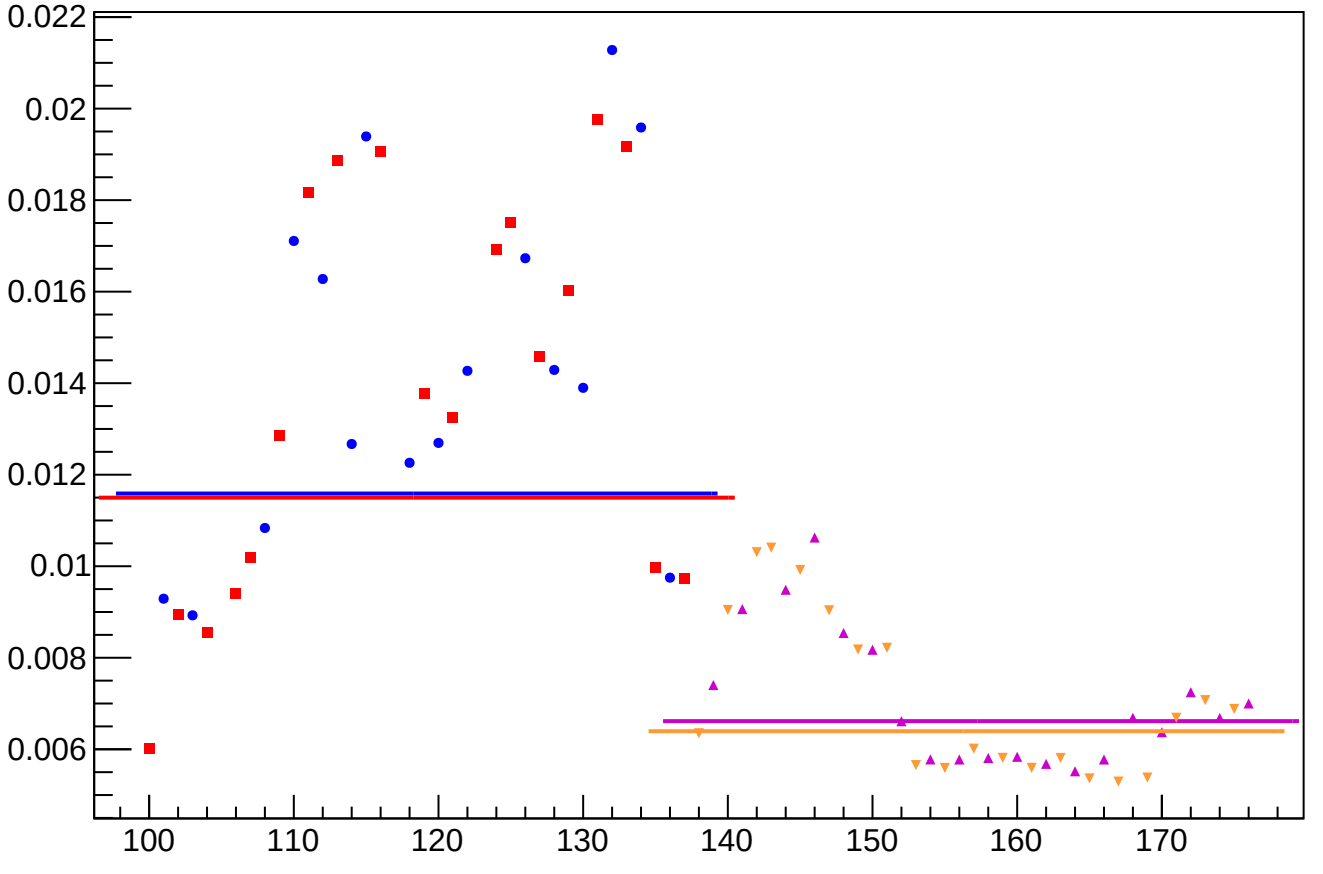
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.681+/-0.000 χ^2/NDF:21566986996.5/34

Out: -0.680+/-0.000 χ^2/NDF:25914020473.7/38

All: -0.681+/-0.000 χ^2/NDF: 47481282850.5/

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:1240905.3/19

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:893860.7/18

Left: 0.007+/-0.000 χ^2/NDF: 2151101.9/38

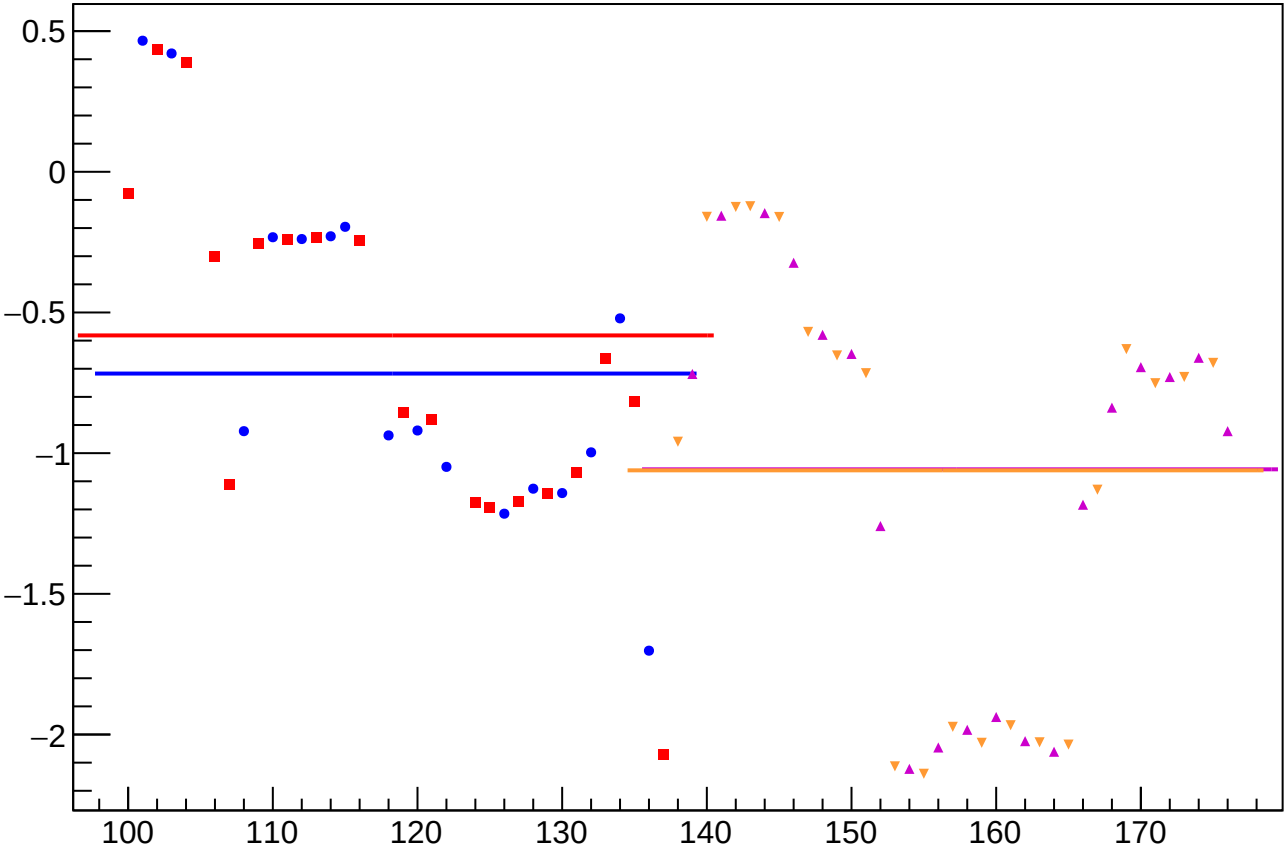
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3610875.5/34

Out: 0.007+/-0.000 χ^2/NDF:4501465.7/38

All: 0.007+/-0.000 χ^2/NDF: 8133643.1/73

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.061+/-0.000 χ^2/NDF:1147680962.6/19

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.057+/-0.000 χ^2/NDF:972911997.4/18

Left: -1.059+/-0.000 χ^2/NDF: 2120606464.0/38

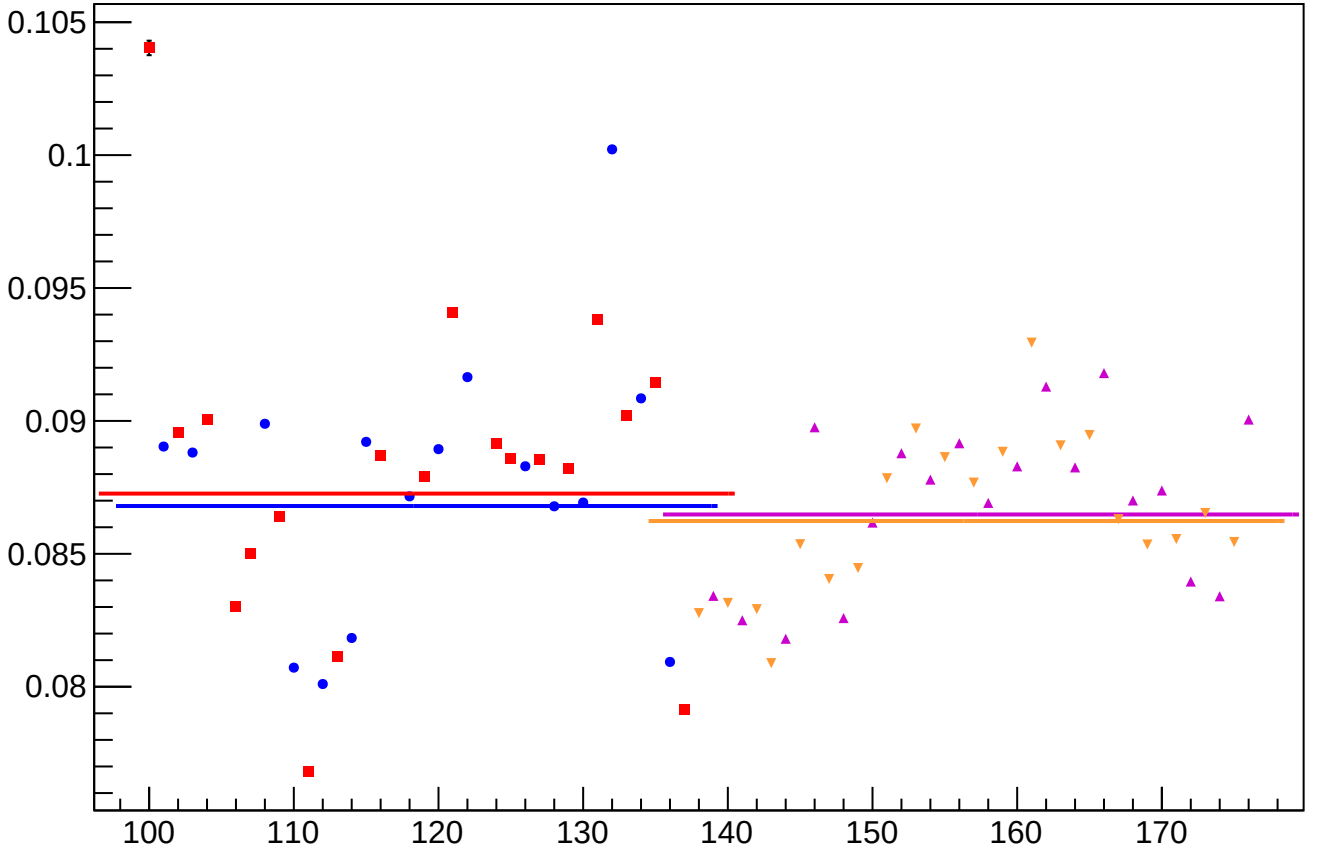
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.950+/-0.000 χ^2/NDF:1485760903.6/34

Out: -0.910+/-0.000 χ^2/NDF:1643561754.9/38

All: -0.930+/-0.000 χ^2/NDF: 3131782039.0/7

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:33854.1/19

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:36808.2/18

Left: 0.086+/-0.000 χ^2/NDF: 70788.9/38

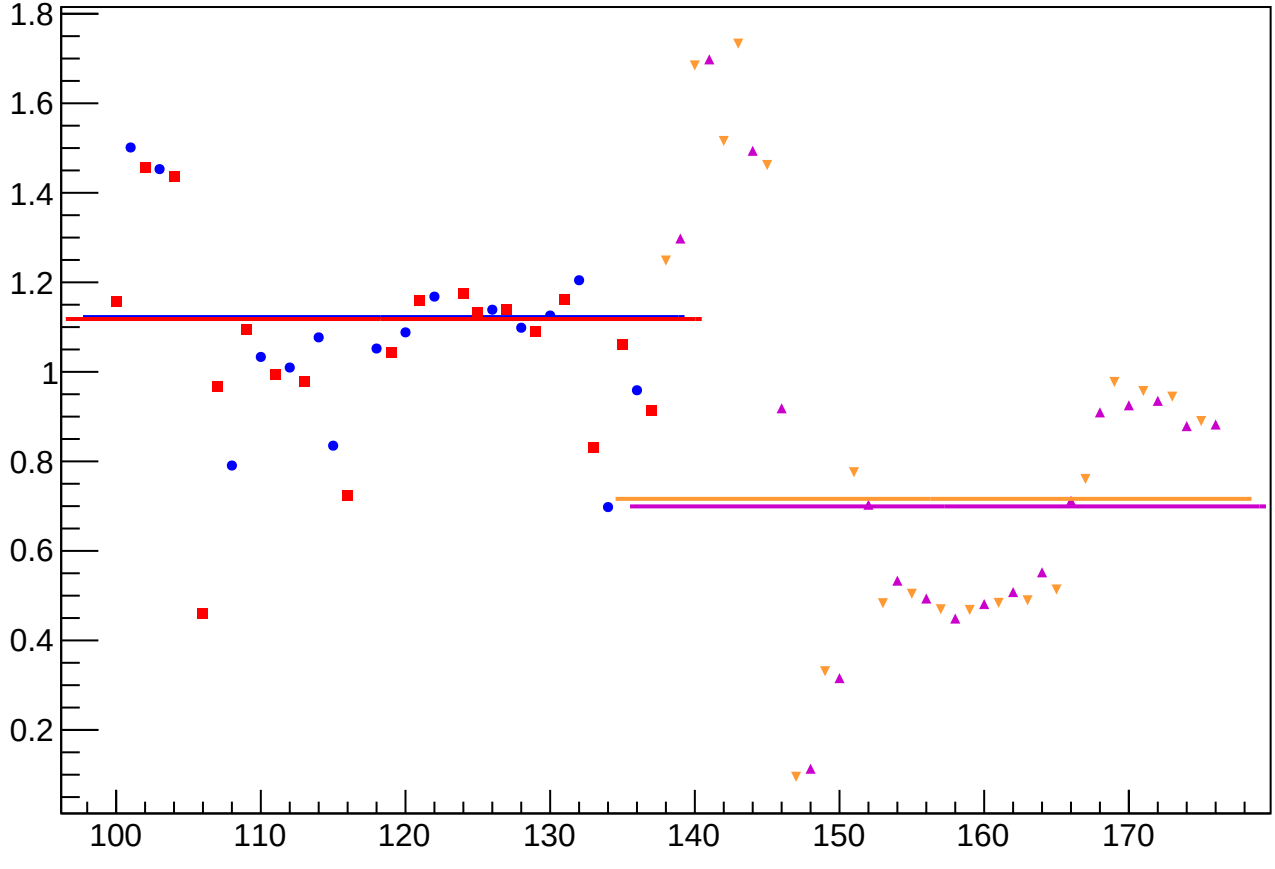
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:80515.6/34

Out: 0.087+/-0.000 χ^2/NDF:81442.2/38

All: 0.087+/-0.000 χ^2/NDF: 161959.2/73

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.716+/-0.000 χ^2/NDF:31279956276.8/19

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.699+/-0.000 χ^2/NDF:24508800315.5/18

Left: 0.708+/-0.000 χ^2/NDF: 55820878104.6/38

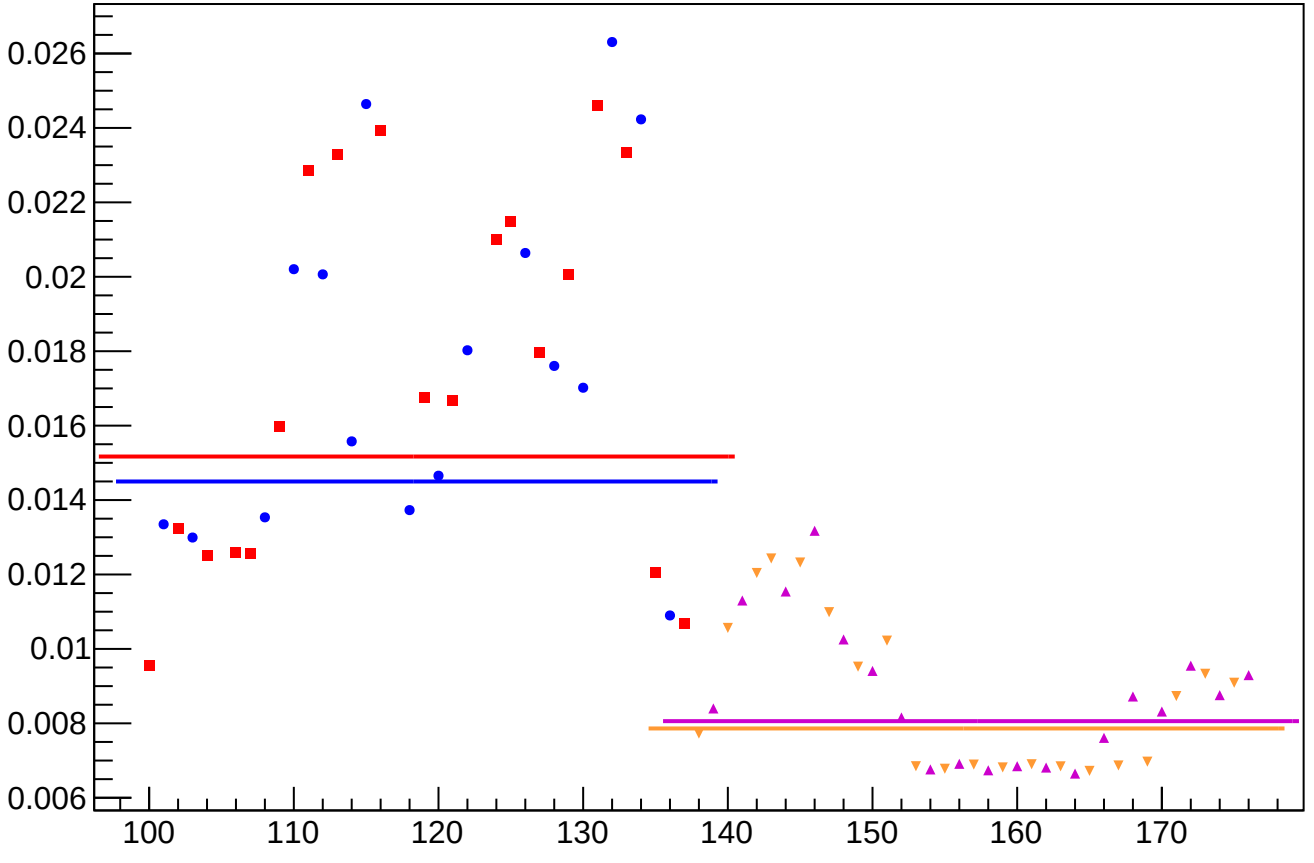
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.748+/-0.000 χ^2/NDF:30459792469.2/34

Out: 0.757+/-0.000 χ^2/NDF:36715642931.8/38

All: 0.753+/-0.000 χ^2/NDF: 67185907732.8/7

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:1223747.3/19

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1030988.6/18

Left: 0.008+/-0.000 χ^2/NDF: 2263497.4/38

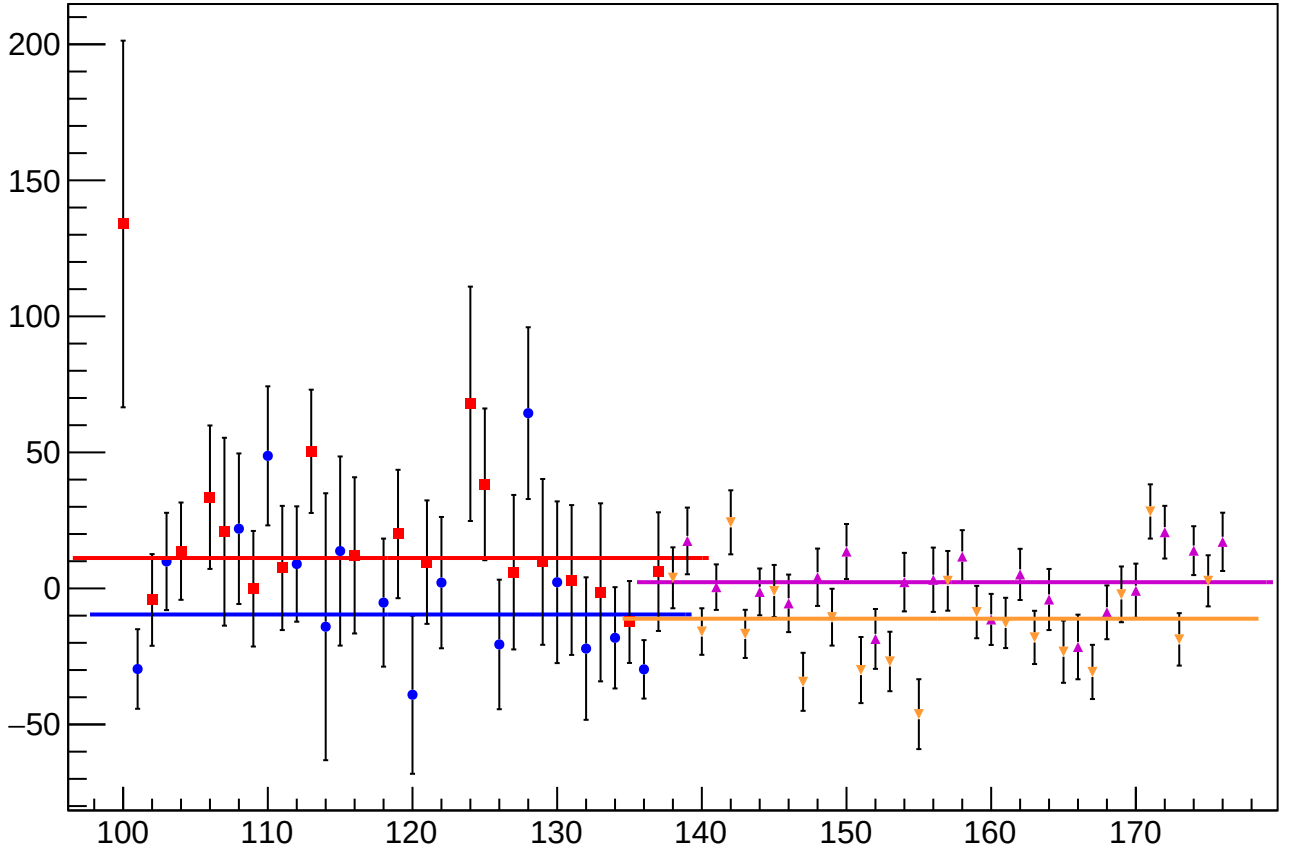
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3826424.0/34

Out: 0.009+/-0.000 χ^2/NDF:4645627.6/38

All: 0.009+/-0.000 χ^2/NDF: 8481594.9/73

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.129+/-2.280 χ^2/NDF:55.8/19

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 2.290+/-2.315 χ^2/NDF:23.2/18

Left: -4.522+/-1.625 χ^2/NDF: 96.0/38

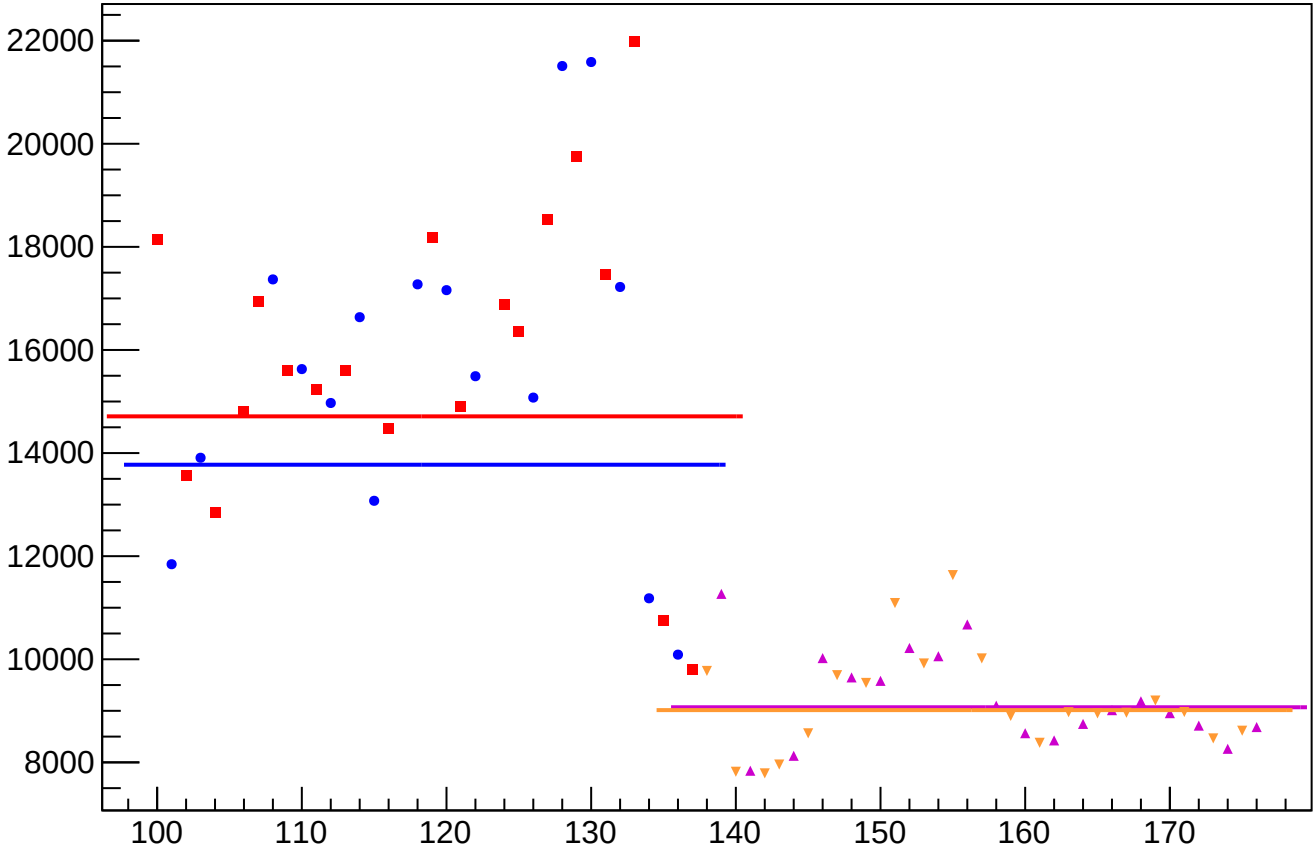
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: 0.382+/-2.121 χ^2/NDF:49.3/34

Out: -7.854+/-2.106 χ^2/NDF:83.7/38

All: -3.765+/-1.495 χ^2/NDF: 140.6/73

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9013.726+/-1.612 χ^2/NDF:308641.5/19

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9069.069+/-1.637 χ^2/NDF:273531.0/18

Left: 9040.975+/-1.149 χ^2/NDF: 582752.7/38

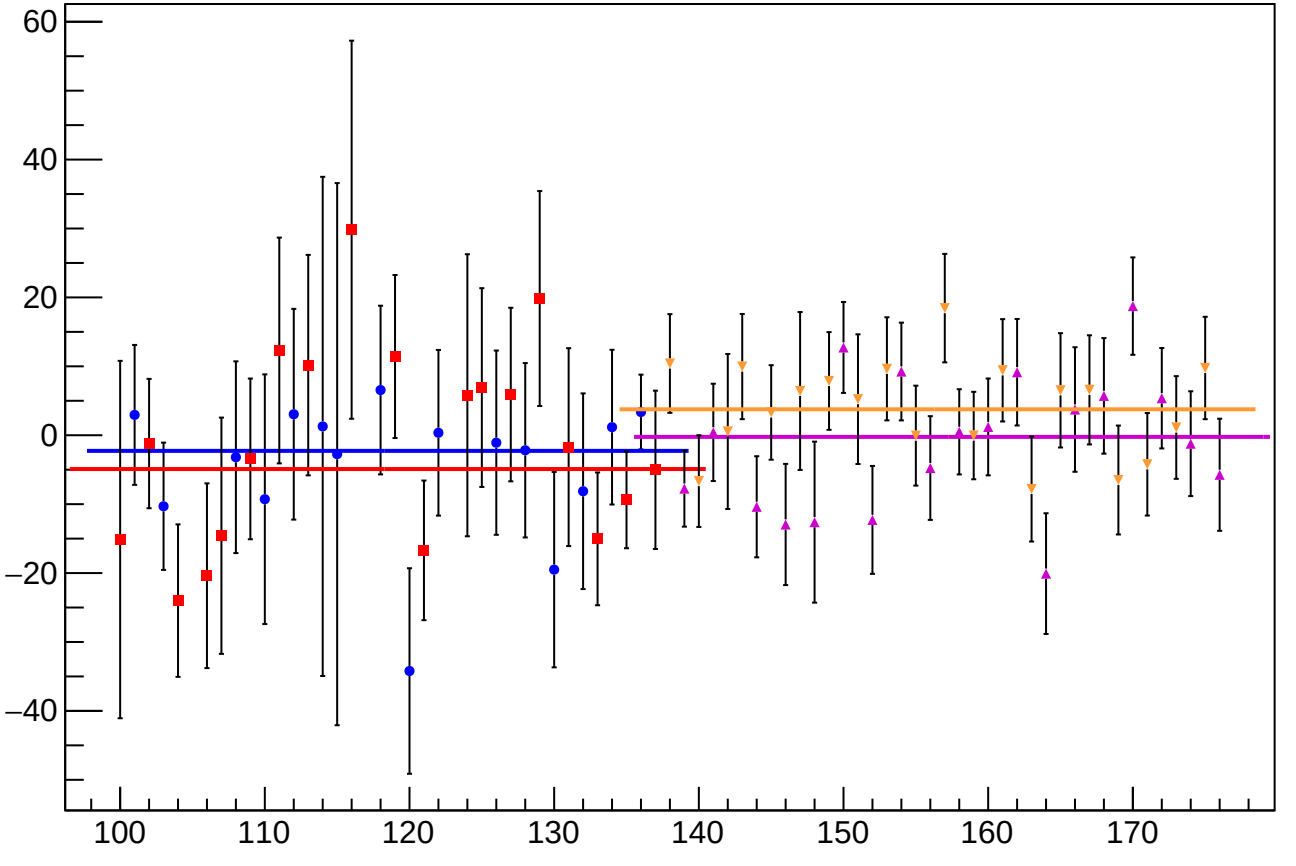
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9825.233+/-1.500 χ^2/NDF:2348504.9/34

Out: 9850.213+/-1.489 χ^2/NDF:2699632.7/38

All: 9837.811+/-1.057 χ^2/NDF: 5048277.3/73

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.765+/-1.712 χ^2/NDF:15.9/19

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.239+/-1.709 χ^2/NDF:31.0/18

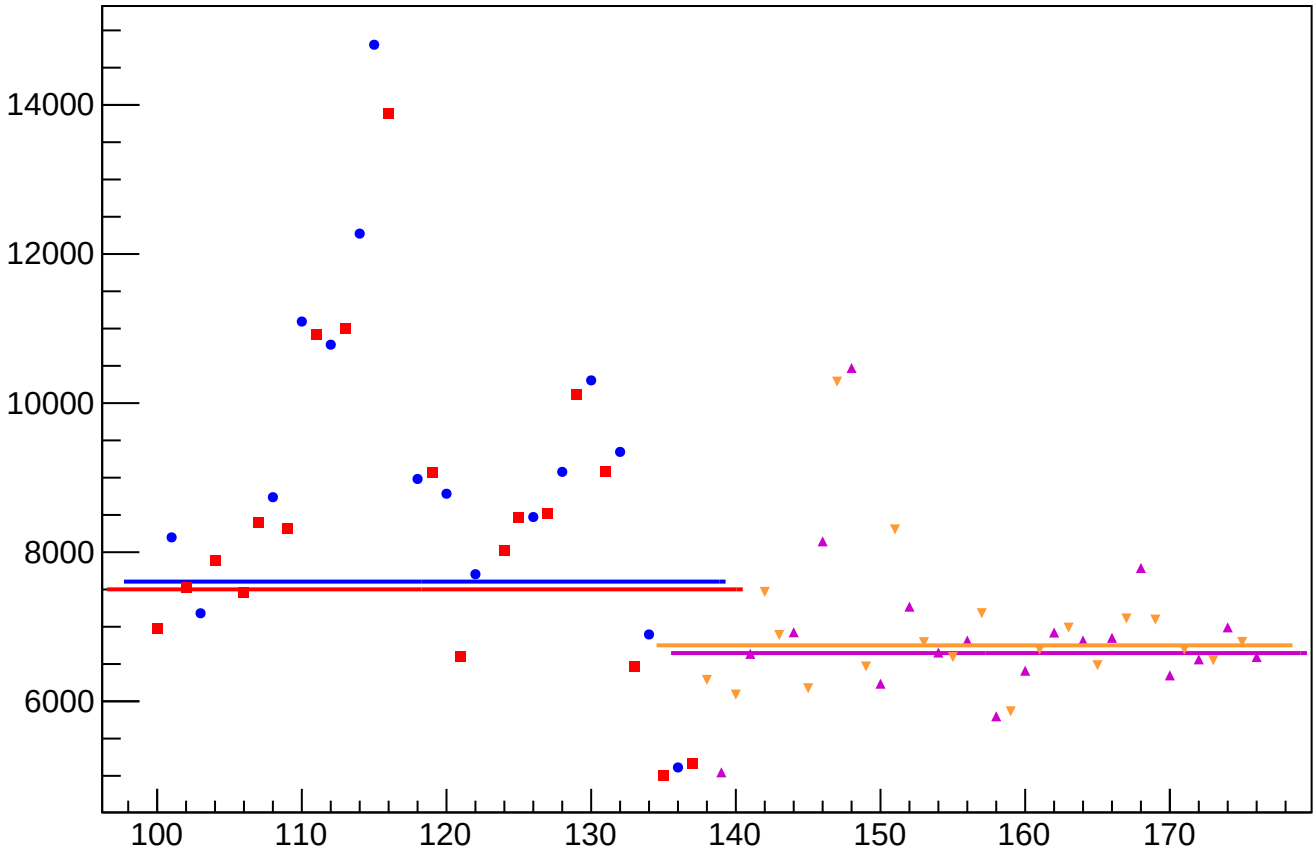
Left: 1.759+/-1.209 χ^2/NDF: 49.7/38

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.756+/-1.475 χ^2/NDF:40.7/34

Out: 1.449+/-1.466 χ^2/NDF:40.4/38

All: 0.354+/-1.040 χ^2/NDF: 82.1/73



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6750.566+/-1.211 χ^2/NDF:359187.5/19

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6647.025+/-1.208 χ^2/NDF:553966.9/18

Left: 6698.697+/-0.855 χ^2/NDF: 916818.8/38

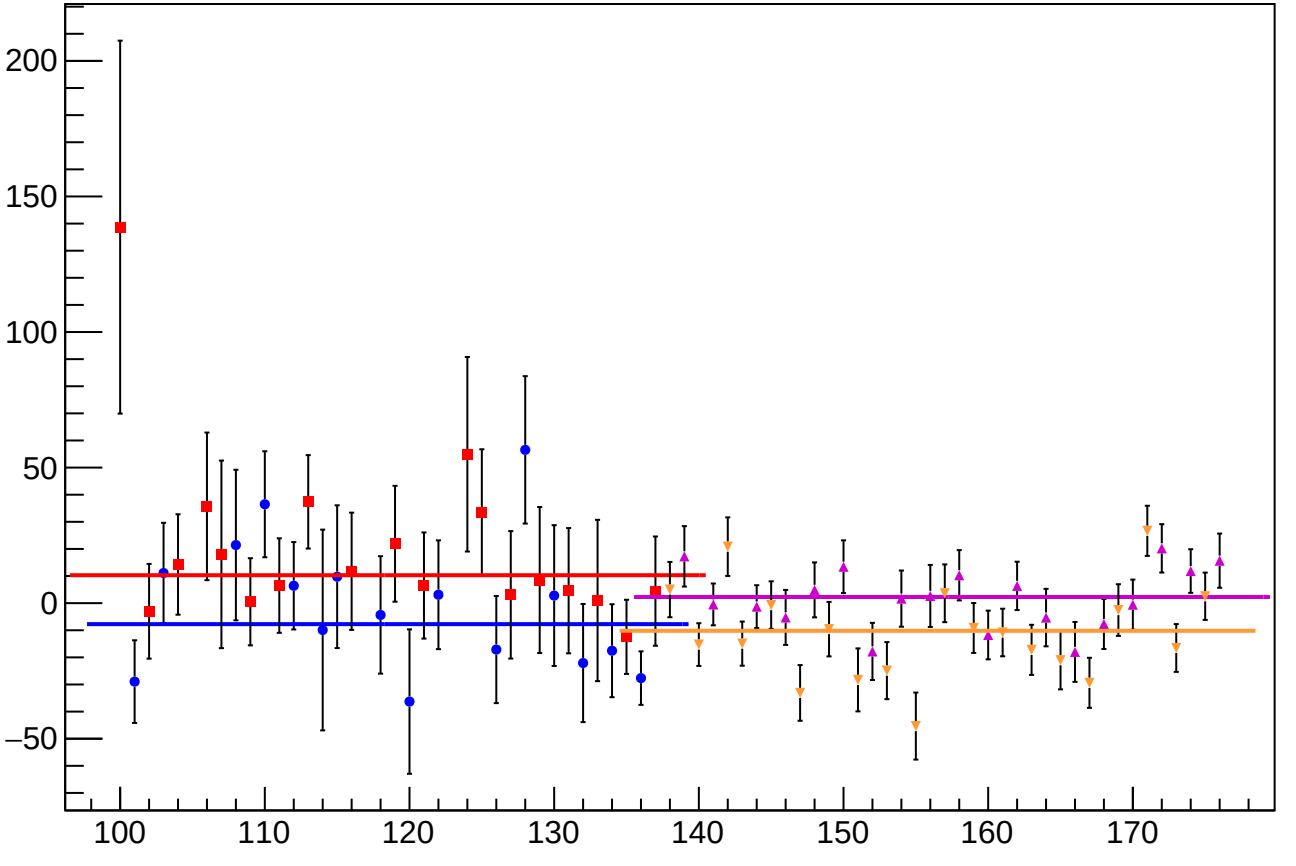
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6891.331+/-1.043 χ^2/NDF:1605878.4/34

Out: 6951.152+/-1.036 χ^2/NDF:1285524.7/38

All: 6921.433+/-0.735 χ^2/NDF: 2893058.2/73

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.195+/-2.136 χ^2/NDF:56.7/19

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.270+/-2.171 χ^2/NDF:23.5/18

Left: -4.065+/-1.523 χ^2/NDF: 96.9/38

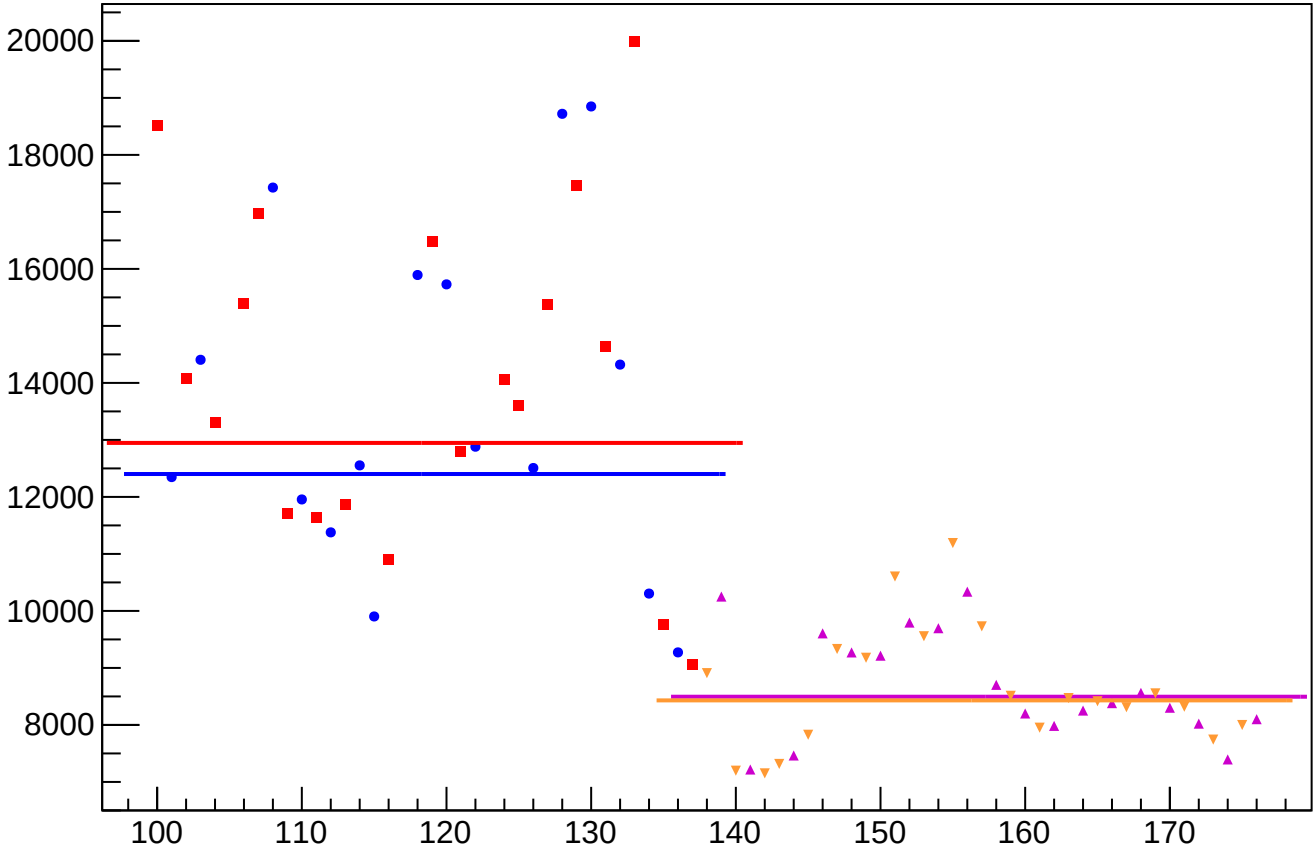
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.538+/-1.975 χ^2/NDF:49.8/34

Out: -6.852+/-1.954 χ^2/NDF:85.6/38

All: -3.196+/-1.389 χ^2/NDF: 142.5/73

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8430.552+/-1.510 χ^2/NDF:401477.1/19

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8494.885+/-1.535 χ^2/NDF:352725.4/18

Left: 8462.190+/-1.077 χ^2/NDF: 755094.6/38

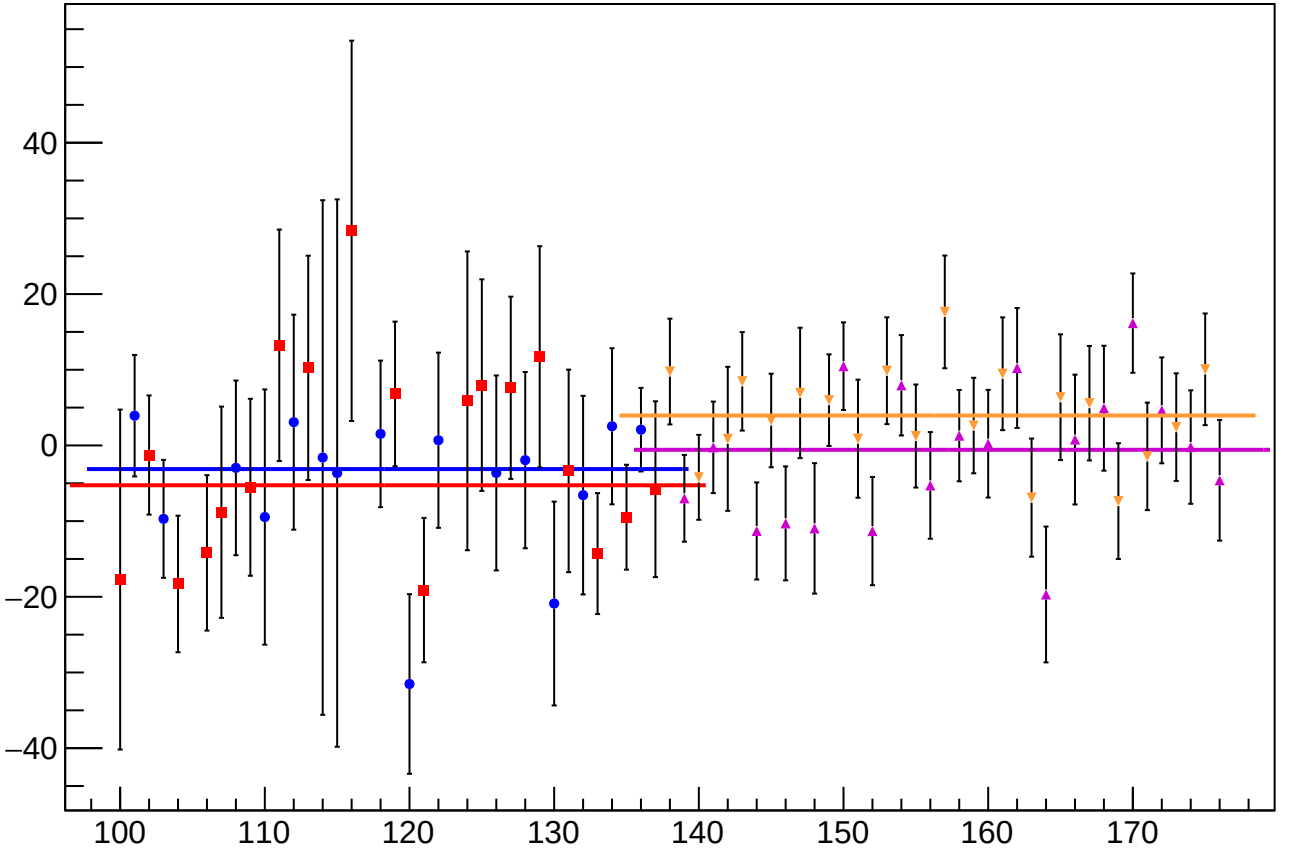
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9170.616+/-1.396 χ^2/NDF:2150904.4/34

Out: 9166.925+/-1.382 χ^2/NDF:2414623.1/38

All: 9168.751+/-0.982 χ^2/NDF: 4565531.1/73

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.955+/-1.588 χ^2/NDF:14.2/19

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.577+/-1.609 χ^2/NDF:29.5/18

Left: 1.719+/-1.130 χ^2/NDF: 47.7/38

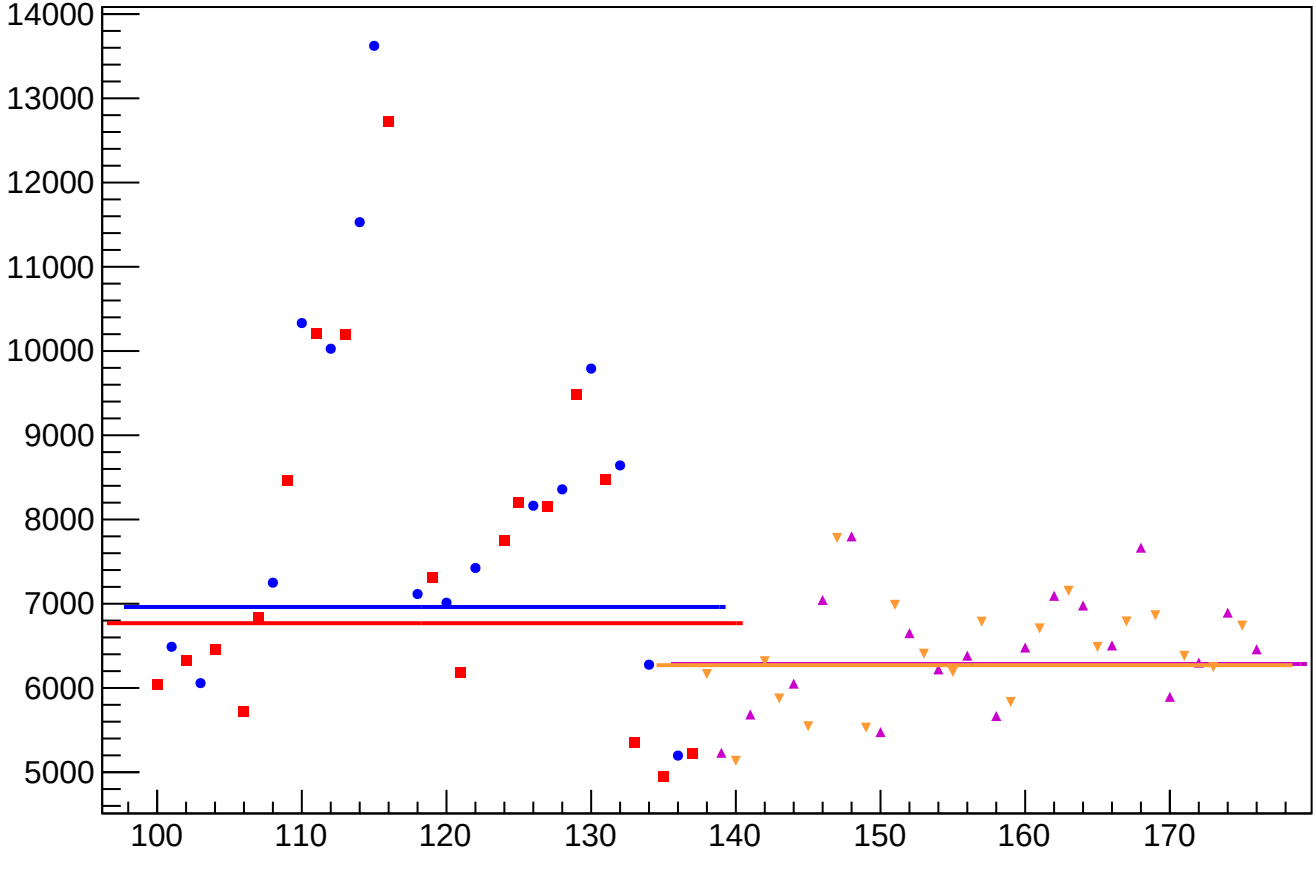
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.260+/-1.376 χ^2/NDF:41.0/34

Out: 1.383+/-1.348 χ^2/NDF:40.5/38

All: 0.088+/-0.963 χ^2/NDF: 83.4/73

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6270.746+/-1.123 χ^2/NDF:309875.5/19

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6284.642+/-1.137 χ^2/NDF:350653.0/18

Left: 6277.604+/-0.799 χ^2/NDF: 660604.1/38

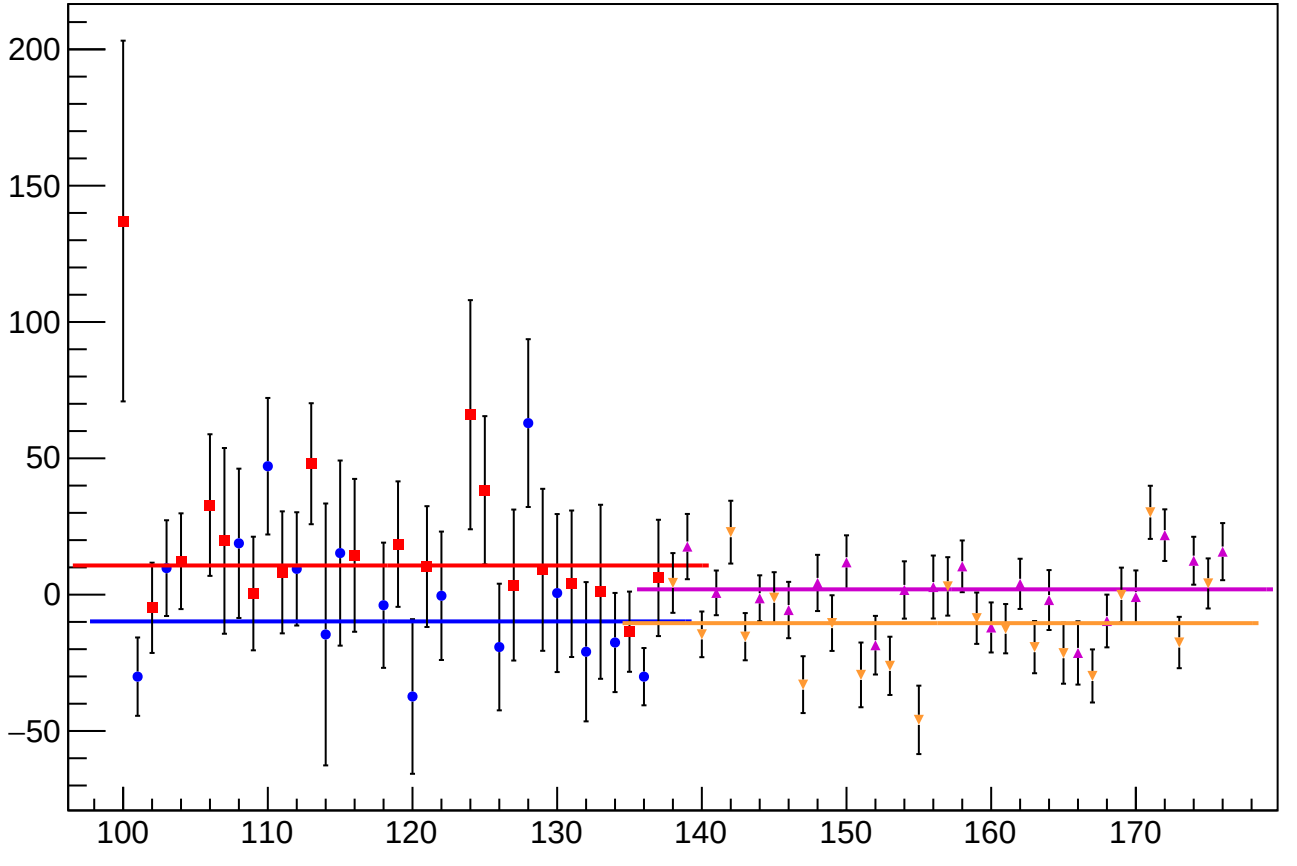
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6466.359+/-0.973 χ^2/NDF:1142139.2/34

Out: 6409.737+/-0.953 χ^2/NDF:1162904.2/38

All: 6437.477+/-0.681 χ^2/NDF: 2306771.0/73

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.453+/-2.230 χ^2/NDF:58.1/19

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.948+/-2.264 χ^2/NDF:23.5/18

Left: -4.347+/-1.589 χ^2/NDF: 96.9/38

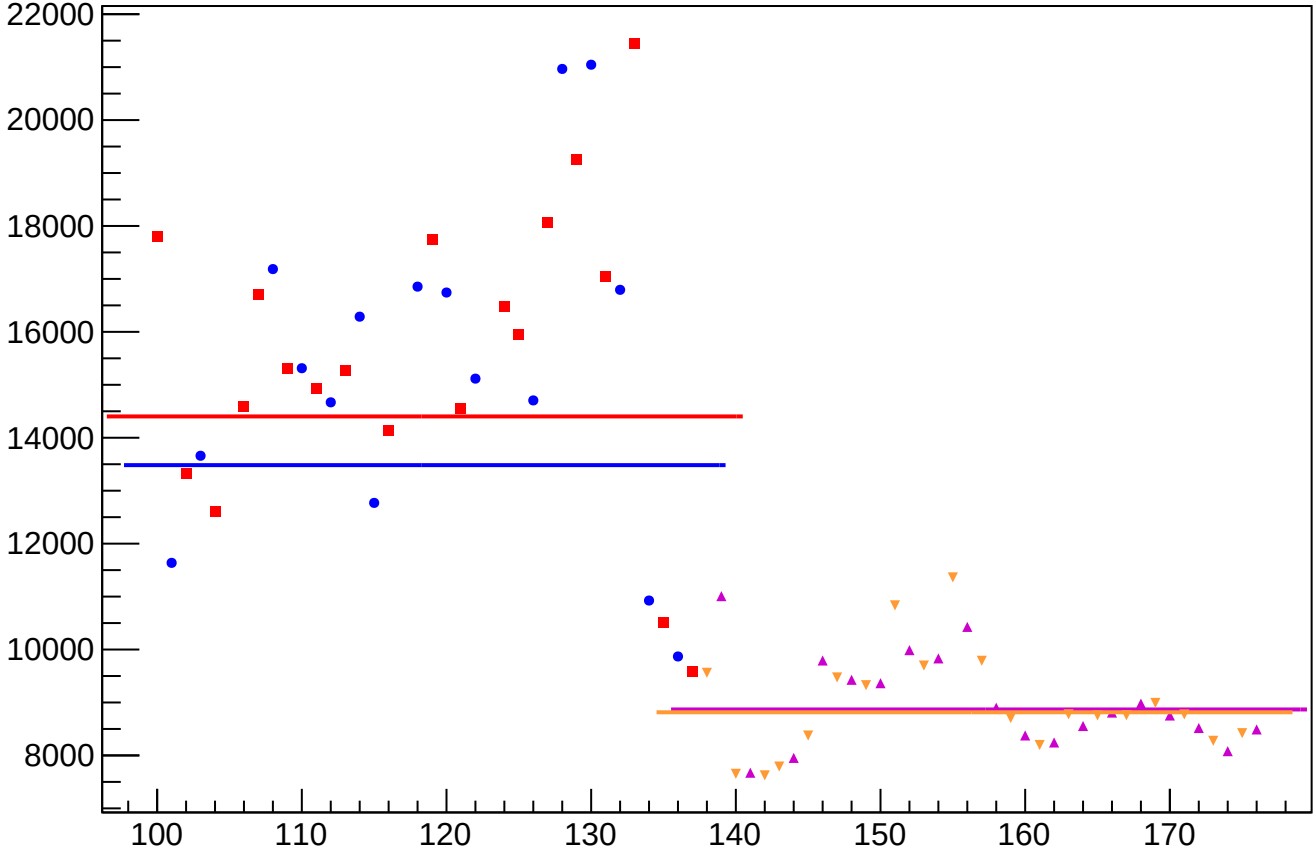
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: 0.061+/-2.074 χ^2/NDF:49.9/34

Out: -7.352+/-2.060 χ^2/NDF:85.6/38

All: -3.671+/-1.462 χ^2/NDF: 142.0/73

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8814.910+/-1.577 χ^2/NDF:305637.8/19

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8868.073+/-1.601 χ^2/NDF:270661.1/18

Left: 8841.088+/-1.123 χ^2/NDF: 576858.8/38

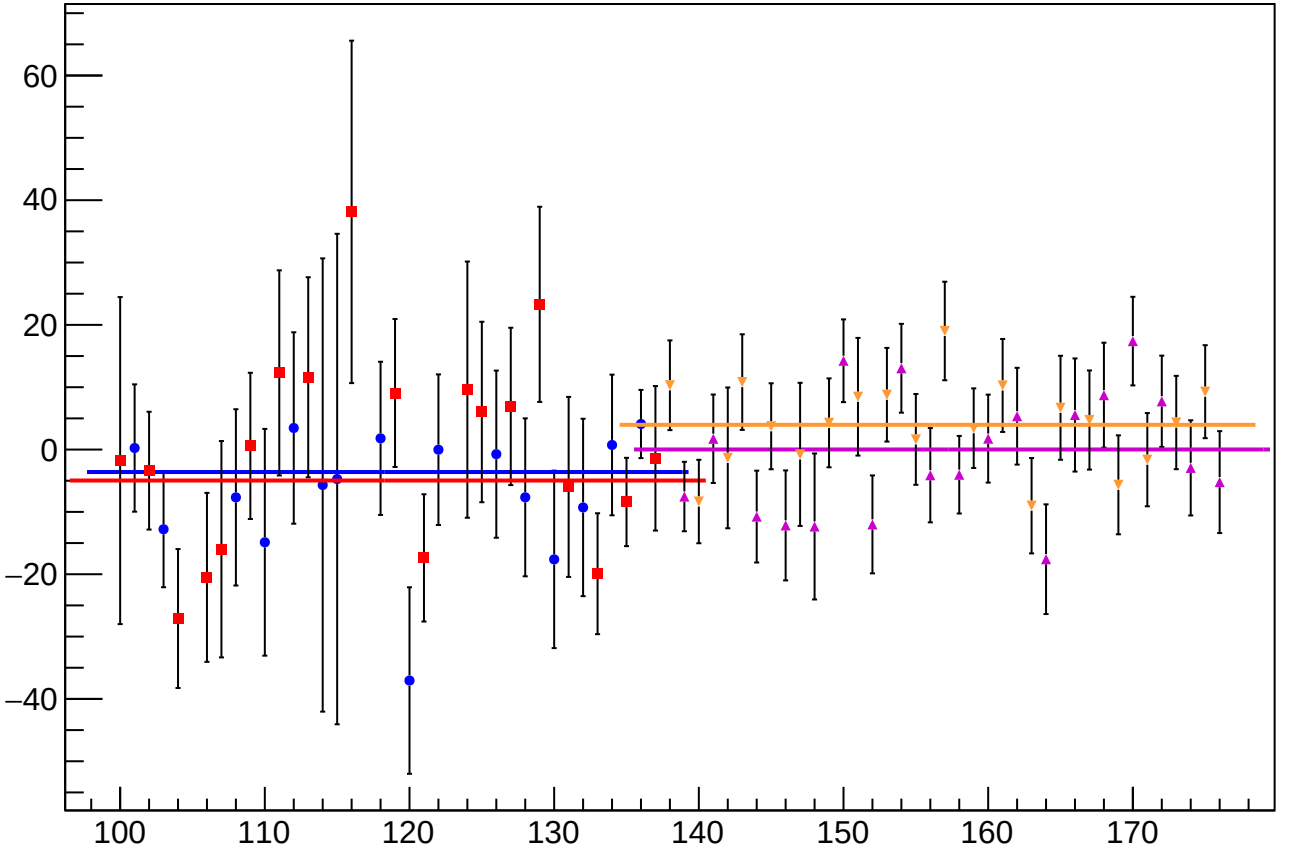
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9608.569+/-1.467 χ^2/NDF:2348021.0/34

Out: 9633.803+/-1.456 χ^2/NDF:2698942.0/38

All: 9621.274+/-1.033 χ^2/NDF: 5047112.1/73

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.970+/-1.720 χ^2/NDF:16.0/19

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.013+/-1.717 χ^2/NDF:31.7/18

Left: 1.988+/-1.215 χ^2/NDF: 50.3/38

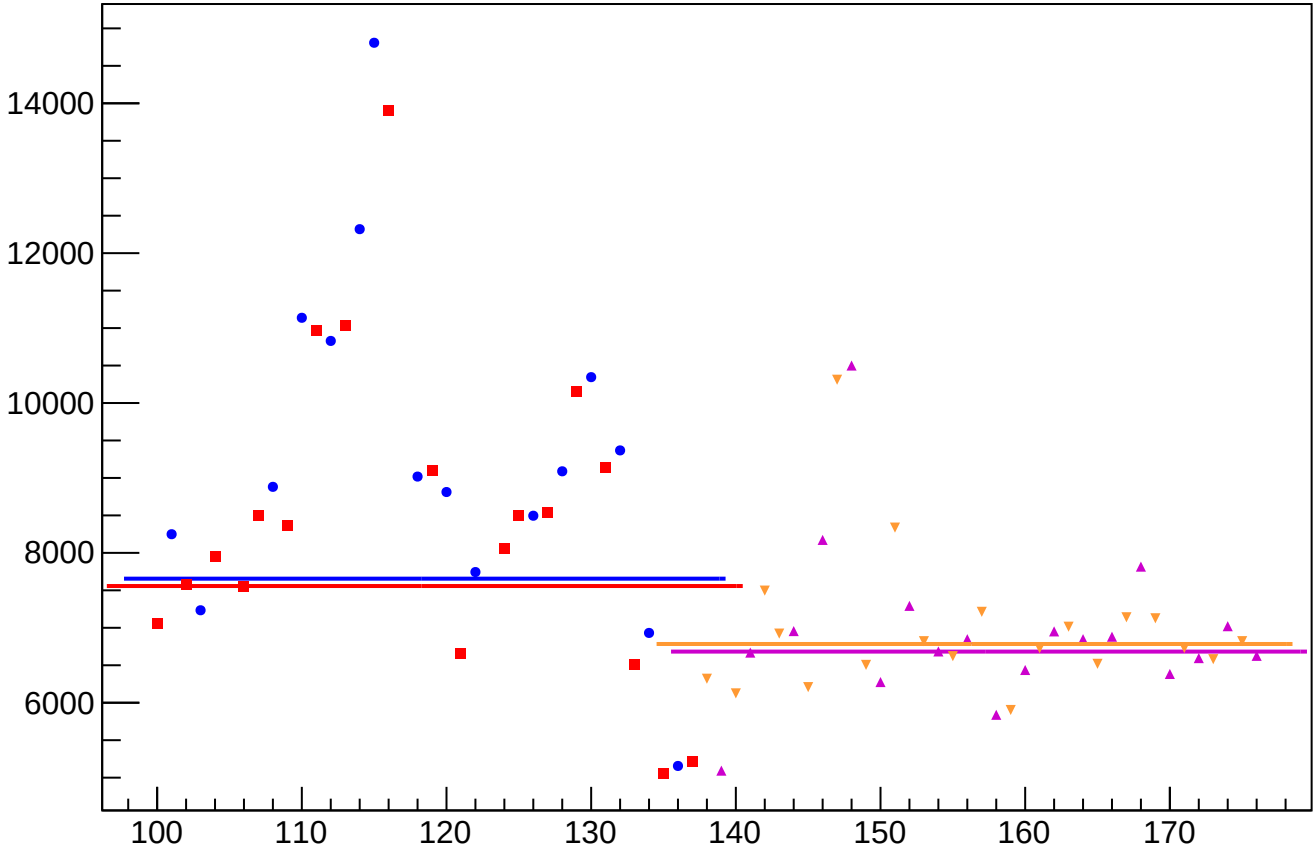
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.907+/-1.483 χ^2/NDF:43.3/34

Out: 1.590+/-1.474 χ^2/NDF:44.5/38

All: 0.349+/-1.045 χ^2/NDF: 89.3/73

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6783.902+/-1.216 χ^2/NDF:354530.0/19

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6682.426+/-1.214 χ^2/NDF:543086.0/18

Left: 6733.082+/-0.859 χ^2/NDF: 901101.3/38

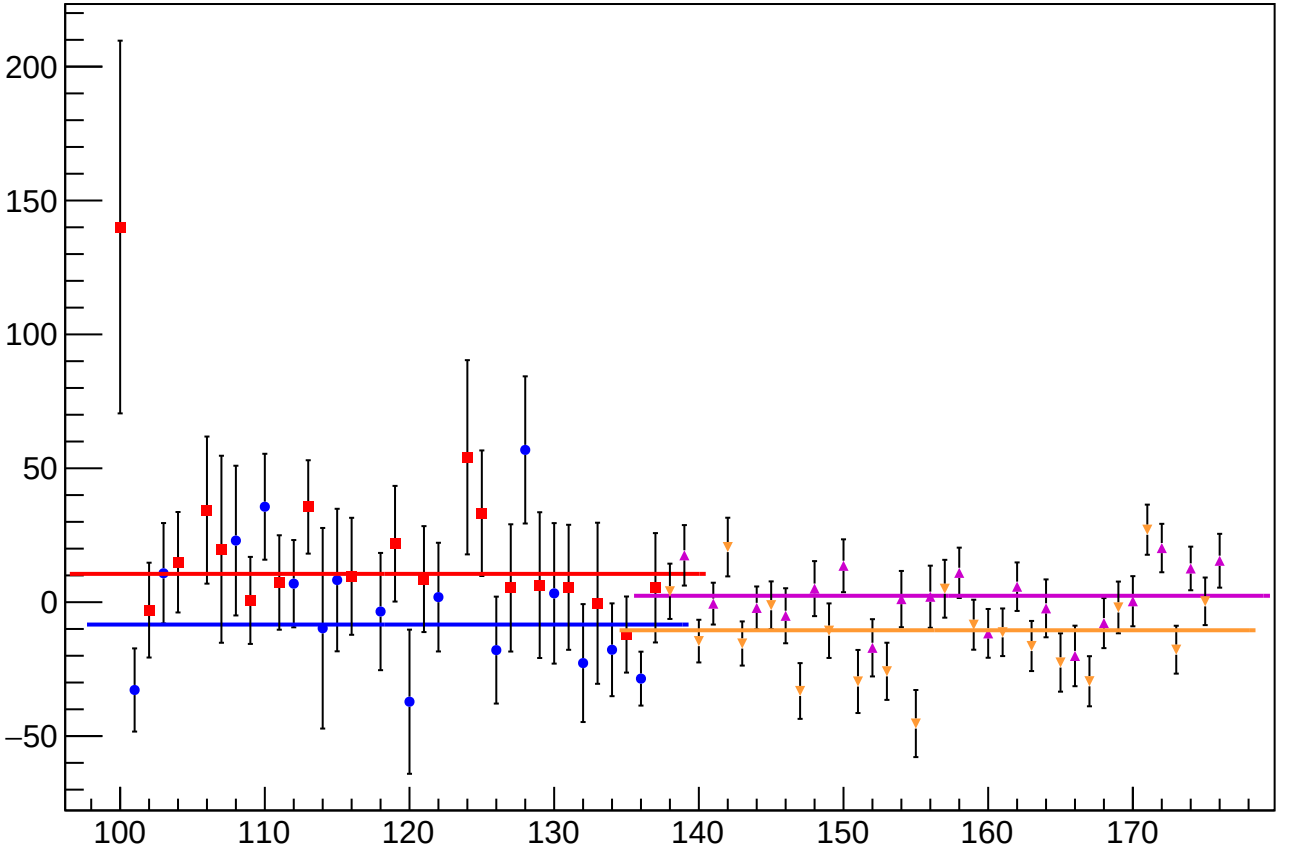
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6930.106+/-1.049 χ^2/NDF:1586325.6/34

Out: 6989.906+/-1.042 χ^2/NDF:1272095.7/38

All: 6960.198+/-0.739 χ^2/NDF: 2860057.8/73

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.485+/-2.165 χ^2/NDF:55.8/19

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 2.394+/-2.202 χ^2/NDF:23.3/18

Left: -4.153+/-1.544 χ^2/NDF: 96.5/38

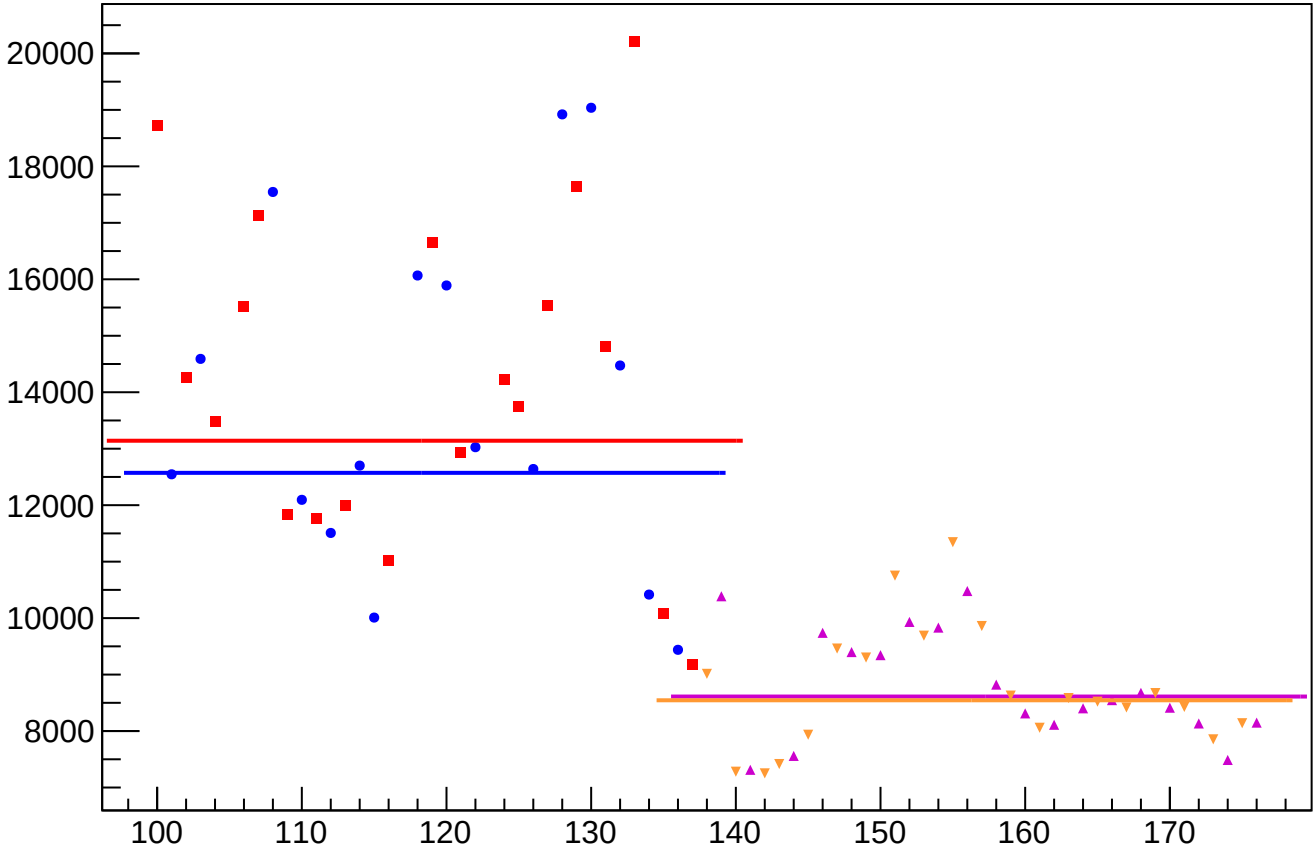
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.535+/-2.002 χ^2/NDF:50.7/34

Out: -7.058+/-1.981 χ^2/NDF:84.1/38

All: -3.302+/-1.408 χ^2/NDF: 142.1/73

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8544.880+/-1.531 χ^2/NDF:401993.4/19

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8611.158+/-1.557 χ^2/NDF:354369.6/18

Left: 8577.465+/-1.092 χ^2/NDF: 757284.4/38

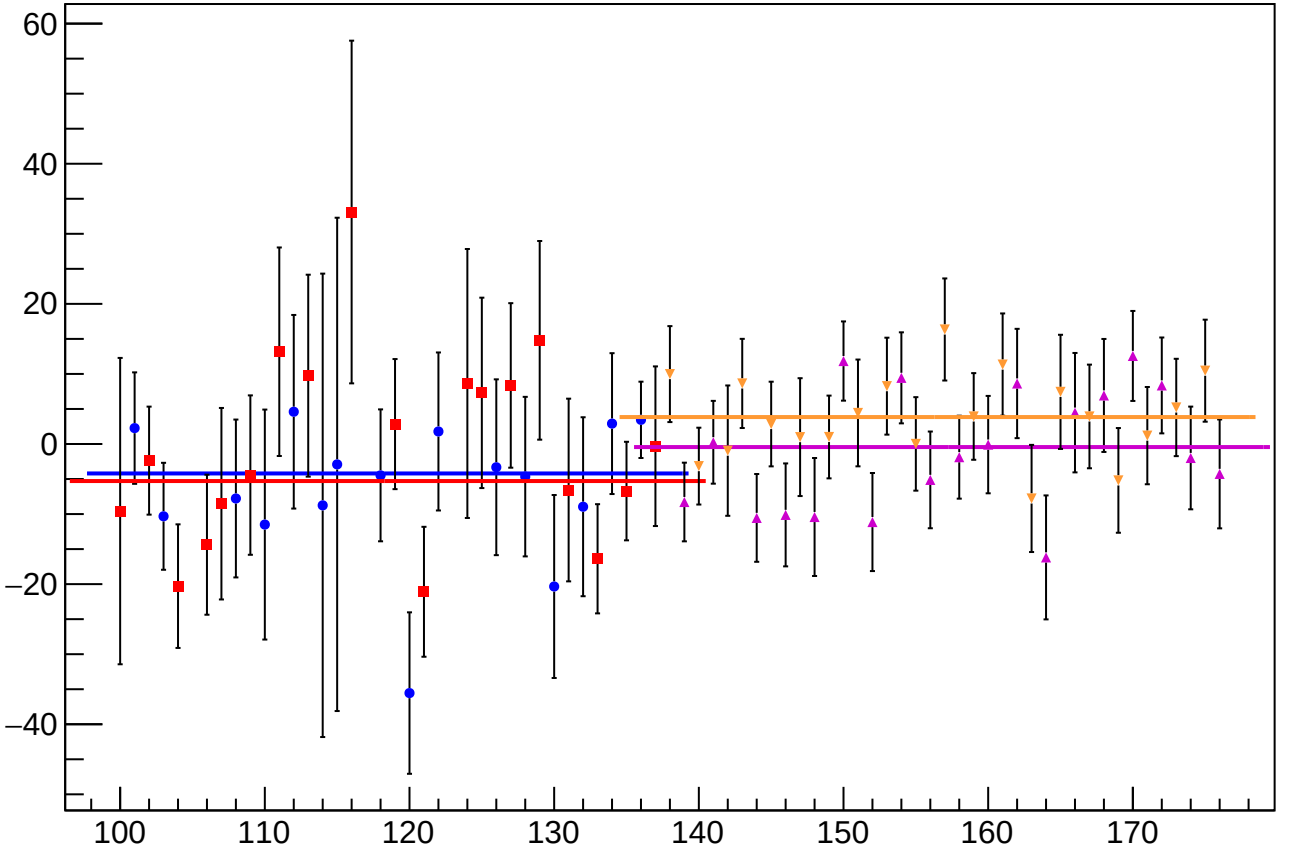
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9296.443+/-1.416 χ^2/NDF:2139551.8/34

Out: 9292.869+/-1.401 χ^2/NDF:2403606.3/38

All: 9294.637+/-0.996 χ^2/NDF: 4543161.3/73

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.845+/-1.554 χ^2/NDF:13.4/19

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.438+/-1.575 χ^2/NDF:29.3/18

Left: 1.732+/-1.106 χ^2/NDF: 46.4/38

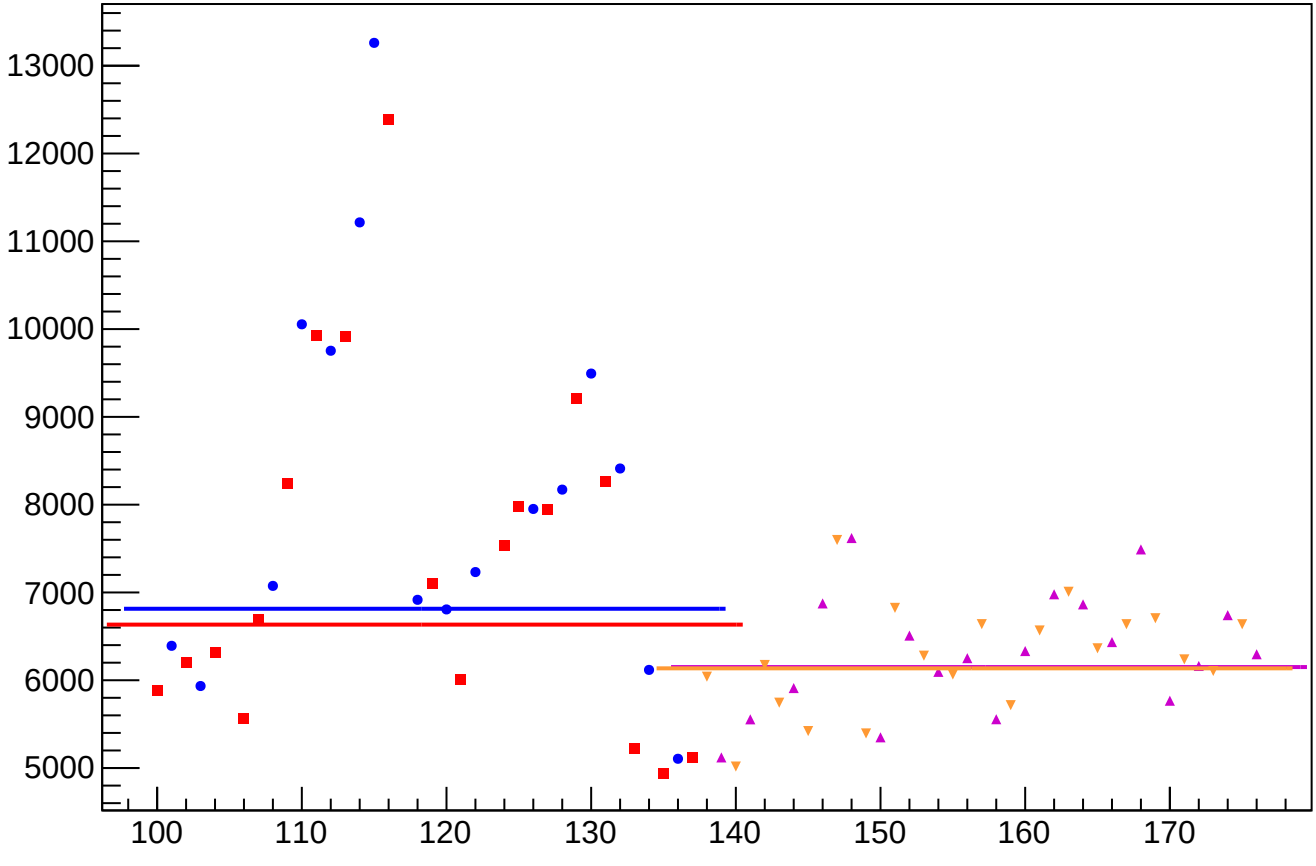
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.448+/-1.347 χ^2/NDF:44.7/34

Out: 1.303+/-1.320 χ^2/NDF:42.7/38

All: -0.045+/-0.943 χ^2/NDF: 89.6/73

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6135.642+/-1.099 χ^2/NDF:312815.7/19

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6150.239+/-1.114 χ^2/NDF:352211.9/18

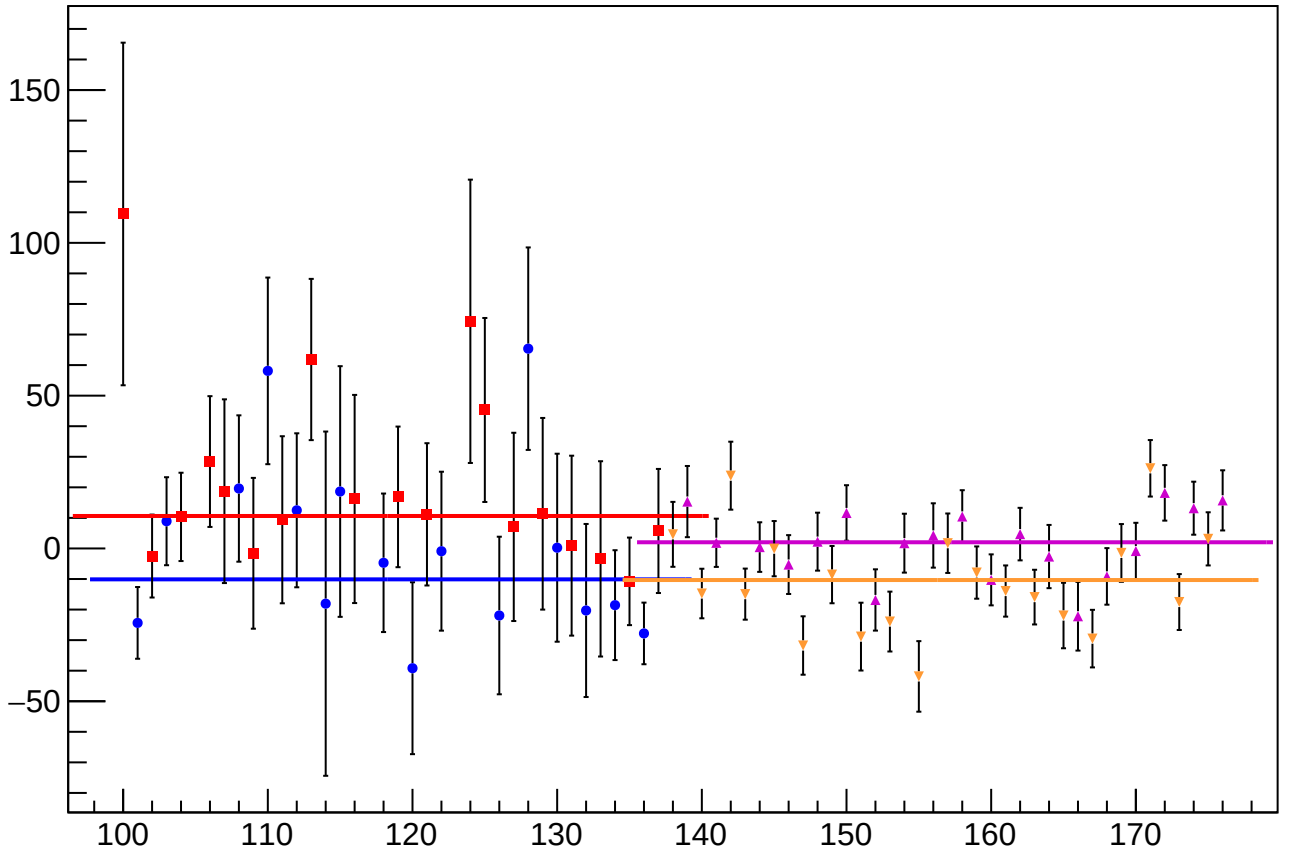
Left: 6142.844+/-0.782 χ^2/NDF: 665114.6/38

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6328.428+/-0.952 χ^2/NDF:1121731.6/34

Out: 6274.286+/-0.933 χ^2/NDF:1133352.8/38

All: 6300.810+/-0.667 χ^2/NDF: 2256732.6/73



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.335+/-2.103 χ^2/NDF:57.6/19

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 2.024+/-2.131 χ^2/NDF:23.0/18

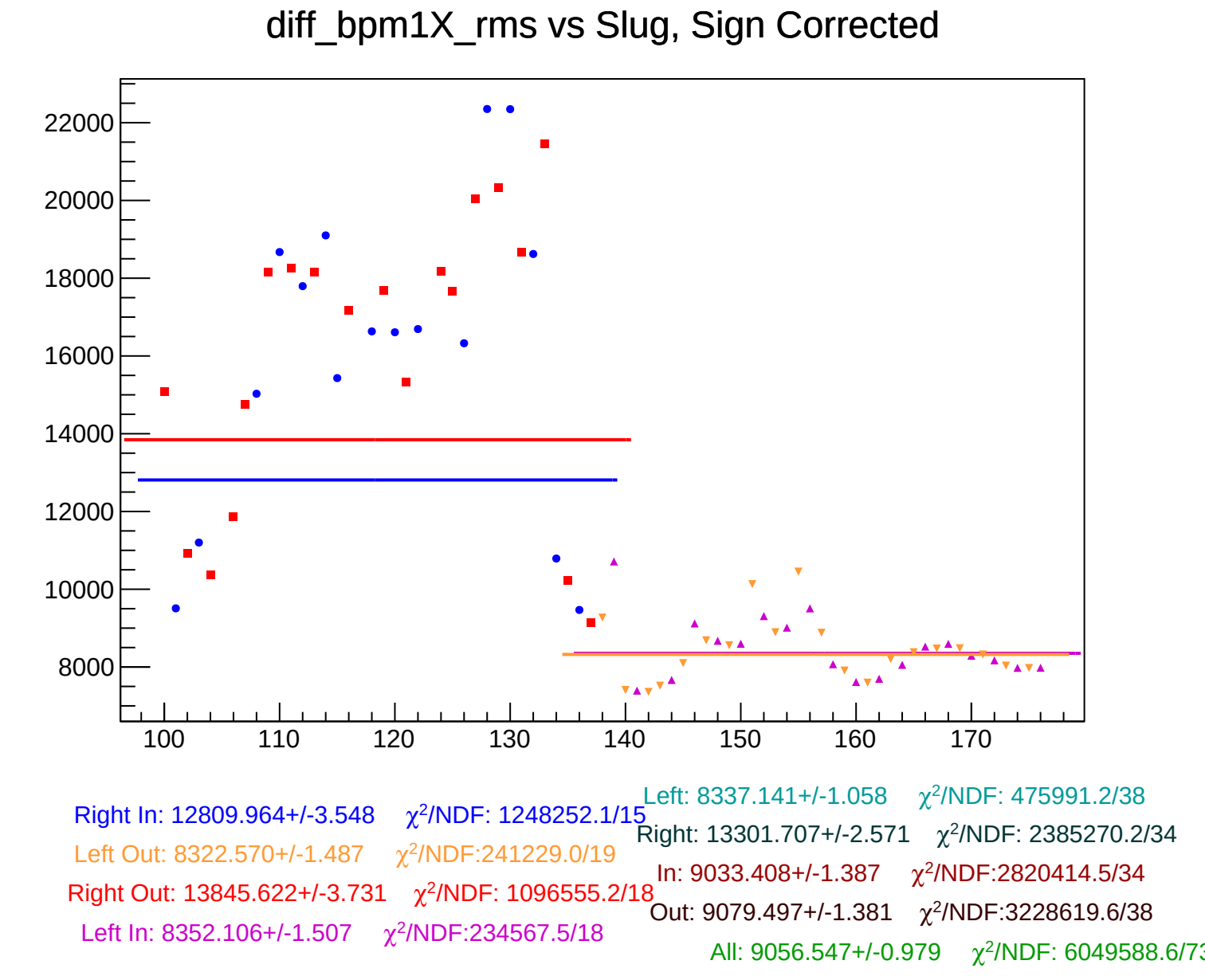
Left: -4.238+/-1.497 χ^2/NDF: 97.6/38

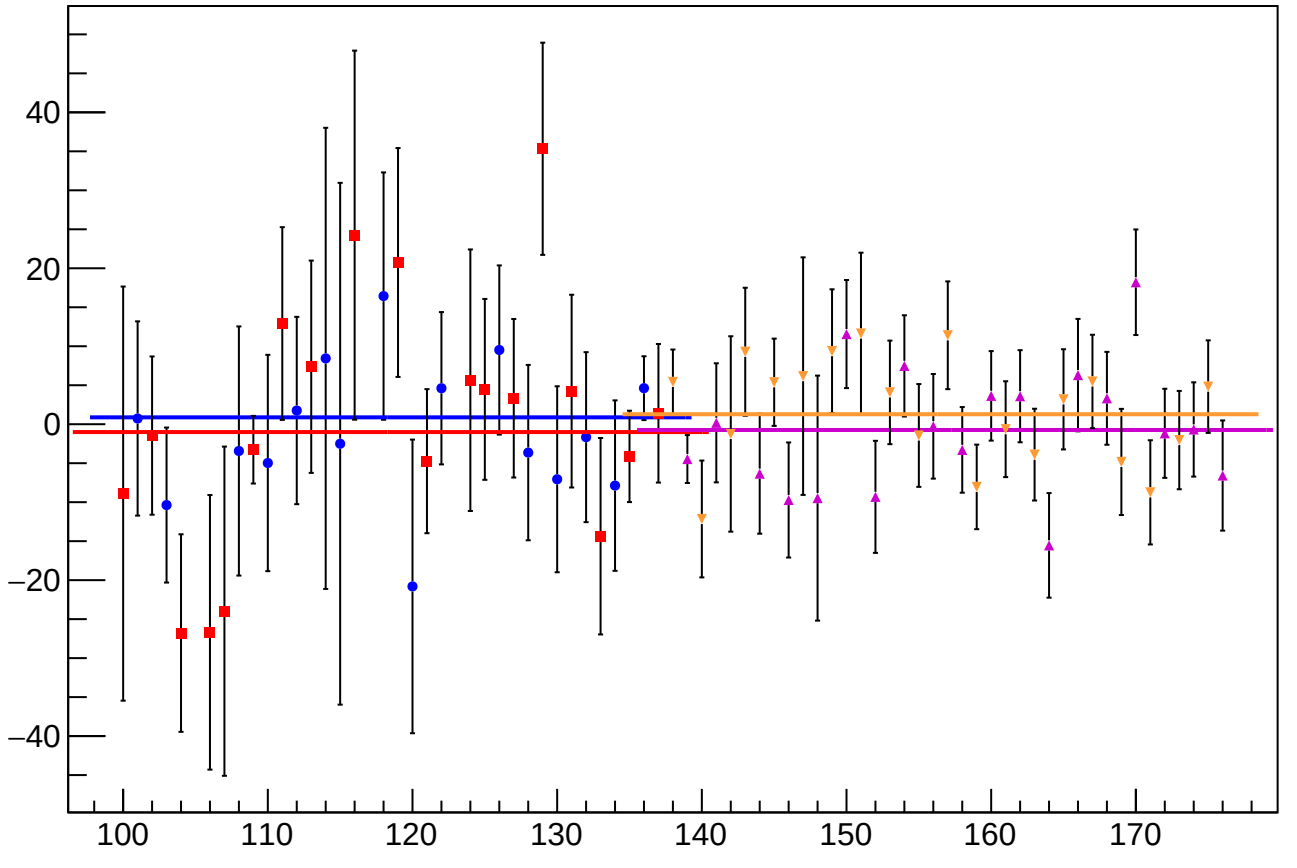
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: 0.169+/-1.961 χ^2/NDF:49.2/34

Out: -7.462+/-1.953 χ^2/NDF:85.9/38

All: -3.662+/-1.384 χ^2/NDF: 142.8/73


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8322.570+/-1.487 χ²/NDF:241229.0/19
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8352.106+/-1.507 χ²/NDF:234567.5/18
Left: 8337.141+/-1.058 χ²/NDF: 475991.2/38
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9033.408+/-1.387 χ²/NDF:2820414.5/34
Out: 9079.497+/-1.381 χ²/NDF:3228619.6/38
All: 9056.547+/-0.979 χ²/NDF: 6049588.6/73



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.281+/-1.468 χ^2/NDF:18.5/19

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.740+/-1.400 χ^2/NDF:26.1/18

Left: 0.223+/-1.013 χ^2/NDF: 45.6/38

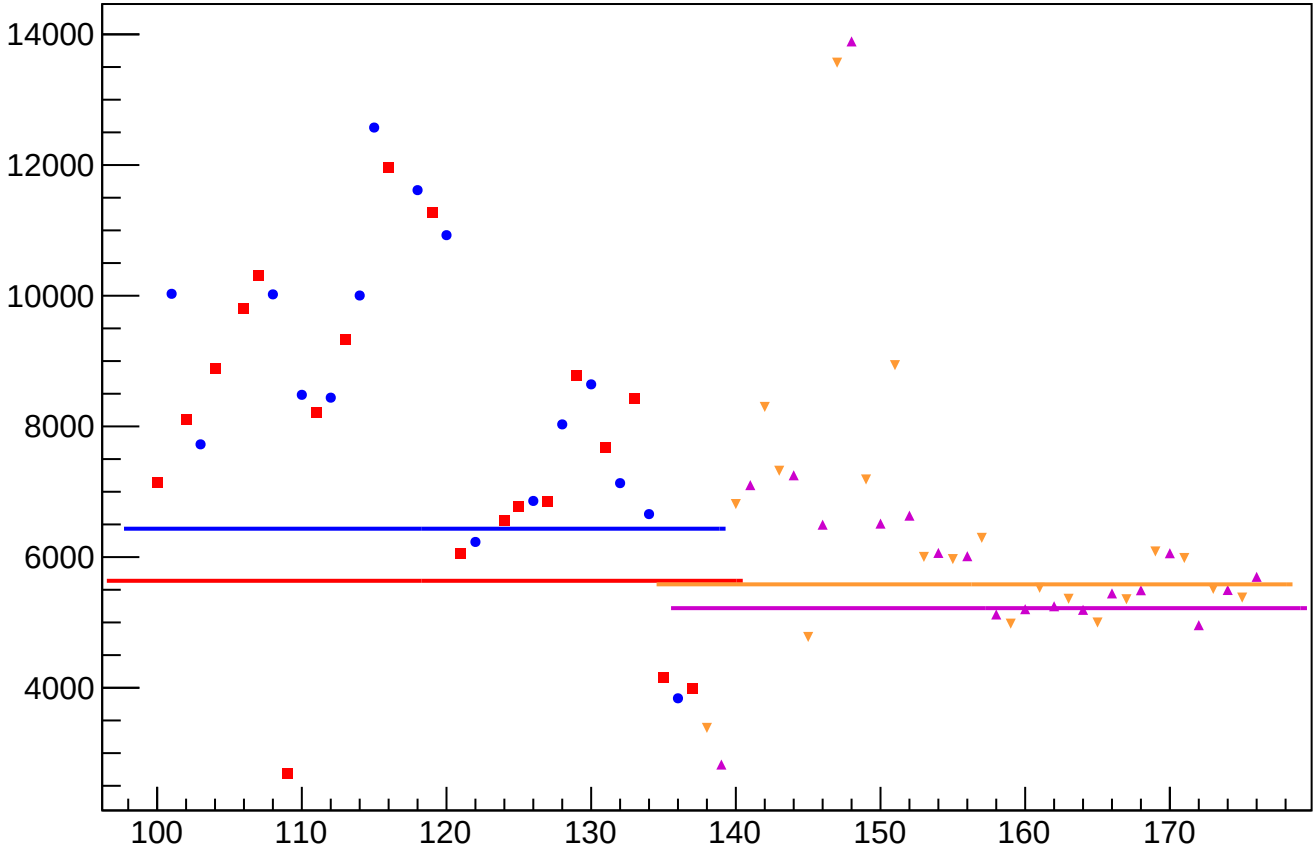
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.368+/-1.229 χ^2/NDF:33.3/34

Out: 0.625+/-1.240 χ^2/NDF:41.5/38

All: 0.124+/-0.873 χ^2/NDF: 75.1/73

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5582.976+/-1.038 χ^2/NDF:1782109.8/19

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5218.660+/-0.990 χ^2/NDF:2408860.2/18

Left: 5392.175+/-0.716 χ^2/NDF: 4255469.2/38

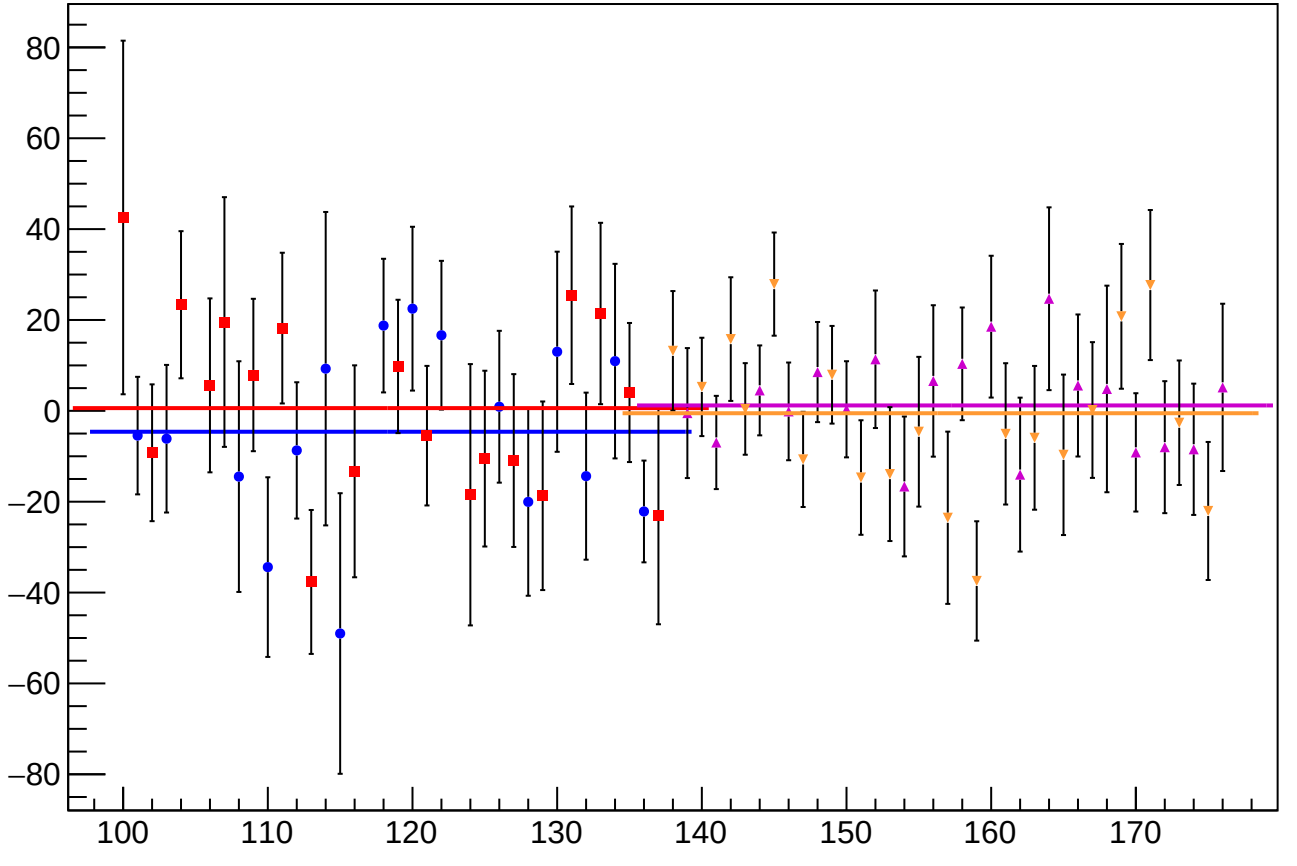
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5497.581+/-0.869 χ^2/NDF:4505503.8/34

Out: 5598.581+/-0.877 χ^2/NDF:4362910.6/38

All: 5547.646+/-0.617 χ^2/NDF: 8875109.5/73

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.527+/-2.997 χ^2/NDF:29.4/19

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.189+/-3.108 χ^2/NDF:8.7/18

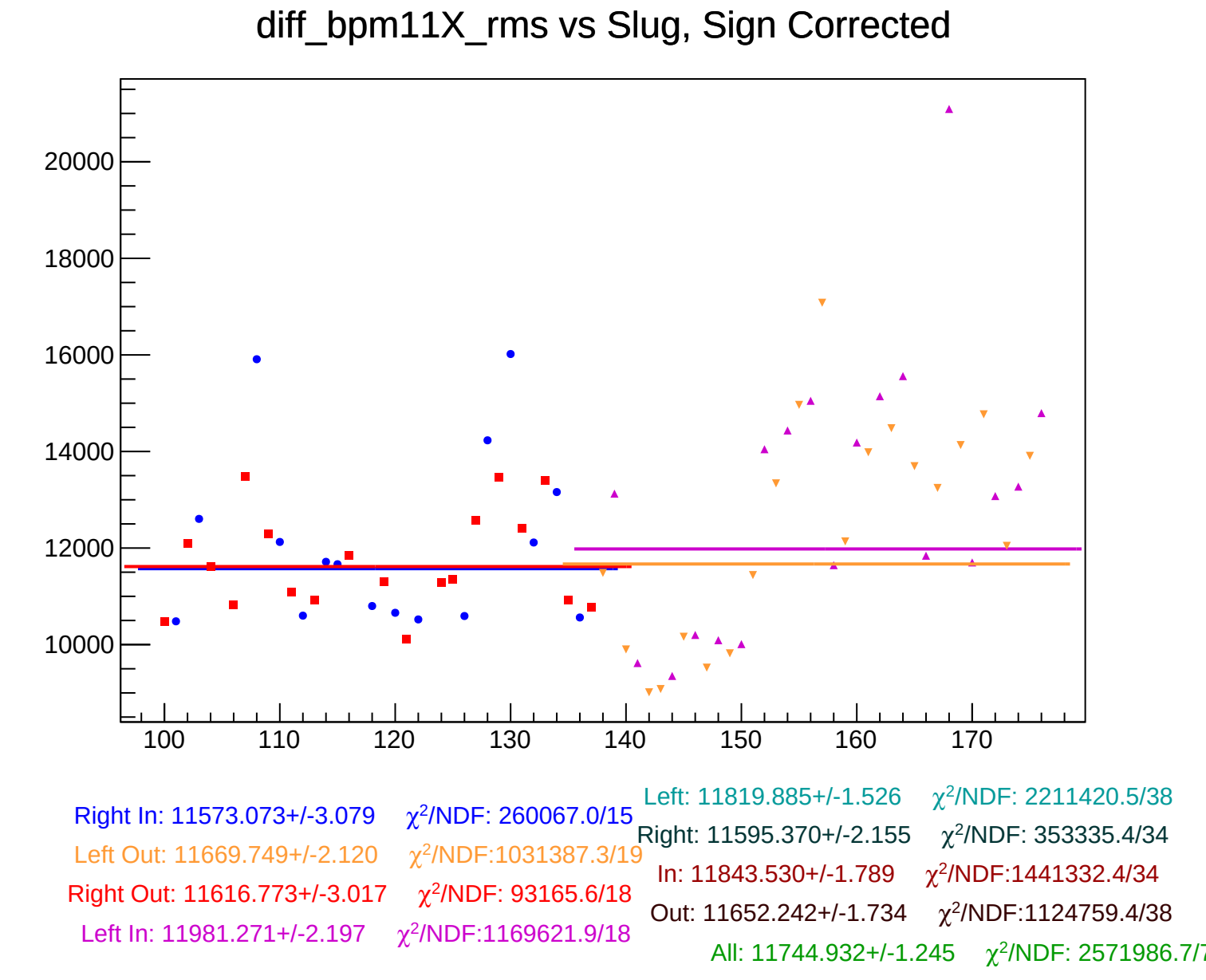
Left: 0.300+/-2.157 χ^2/NDF: 38.2/38

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

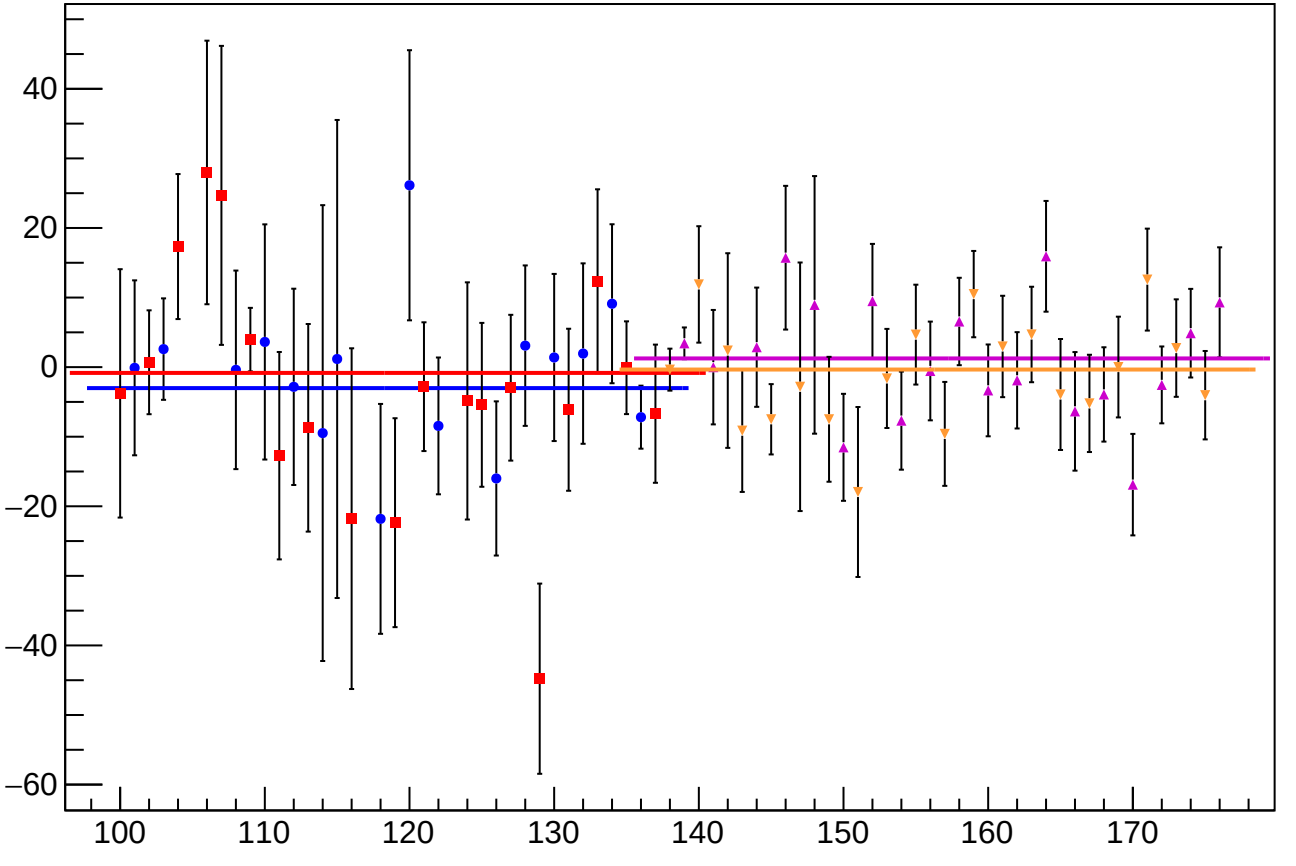
In: -0.765+/-2.530 χ^2/NDF:25.6/34

Out: -0.155+/-2.453 χ^2/NDF:47.3/38

All: -0.450+/-1.761 χ^2/NDF: 73.0/73


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: 11669.749+/-2.120 χ²/NDF:1031387.3/19
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11981.271+/-2.197 χ²/NDF:1169621.9/18
Left: 11819.885+/-1.526 χ²/NDF: 2211420.5/38
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11843.530+/-1.789 χ²/NDF:1441332.4/34
Out: 11652.242+/-1.734 χ²/NDF:1124759.4/38
All: 11744.932+/-1.245 χ²/NDF: 2571986.7/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.346+/-1.498 χ^2/NDF:18.1/19

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 1.250+/-1.390 χ^2/NDF:22.8/18

Left: 0.511+/-1.019 χ^2/NDF: 41.5/38

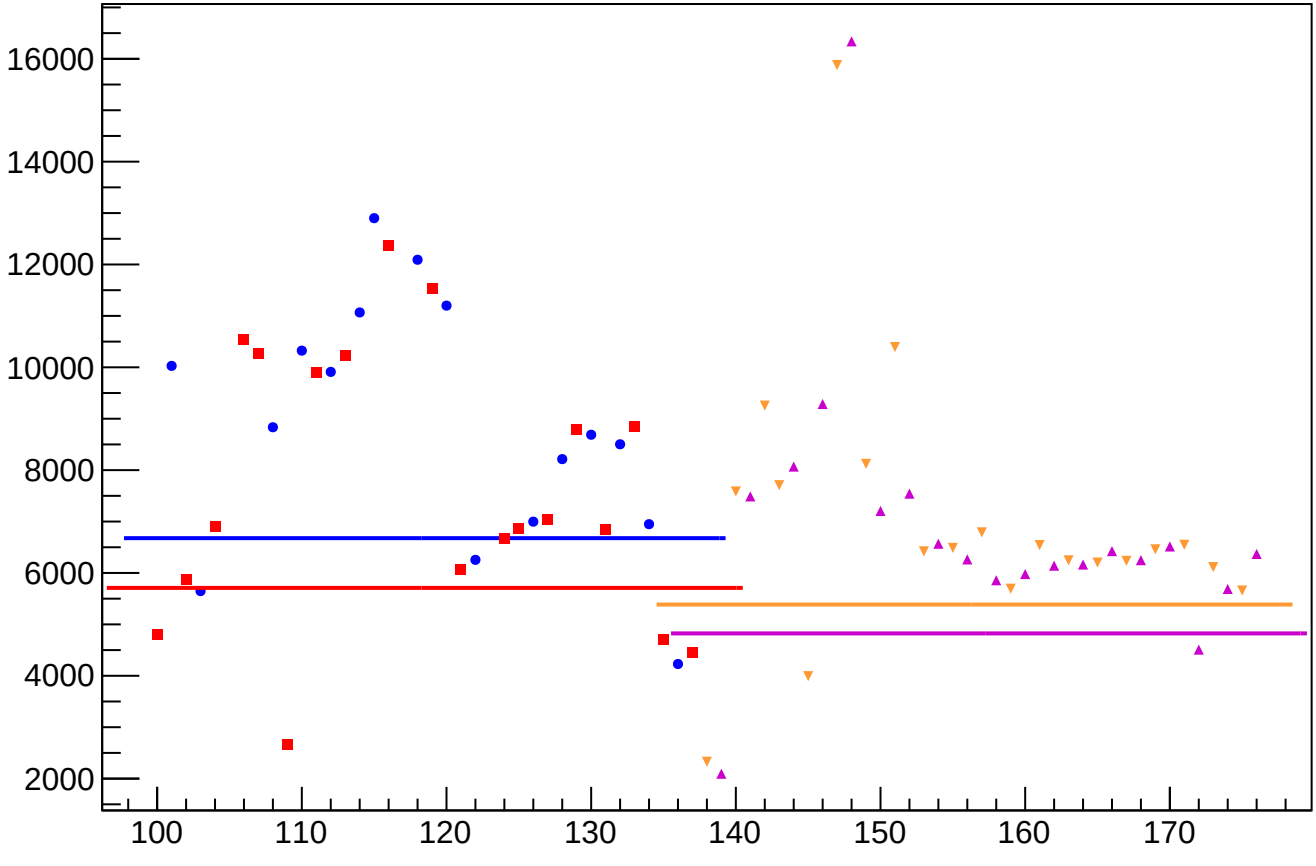
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.332+/-1.231 χ^2/NDF:33.4/34

Out: -0.486+/-1.263 χ^2/NDF:41.9/38

All: -0.067+/-0.882 χ^2/NDF: 75.6/73

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5385.918+/-1.059 χ^2/NDF:4265450.2/19

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4824.569+/-0.983 χ^2/NDF:5755062.9/18

Left: 5084.331+/-0.721 χ^2/NDF: 10171412.4/38

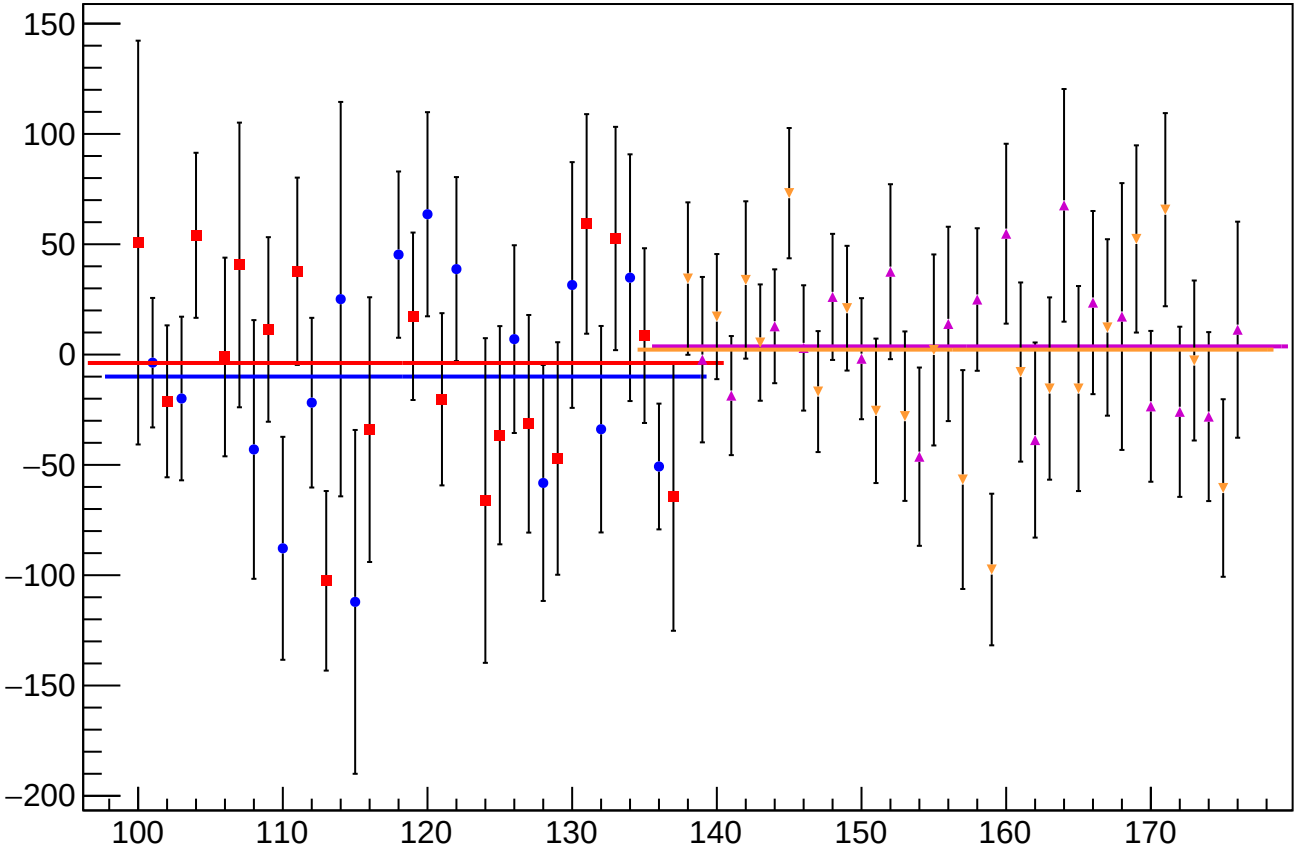
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5223.395+/-0.871 χ^2/NDF:8092440.3/34

Out: 5479.408+/-0.893 χ^2/NDF:6593480.9/38

All: 5348.126+/-0.624 χ^2/NDF: 14728034.1/

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.233+/-7.864 χ^2/NDF:26.2/19

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

Left: 2.945+/-5.659 χ^2/NDF: 36.6/38

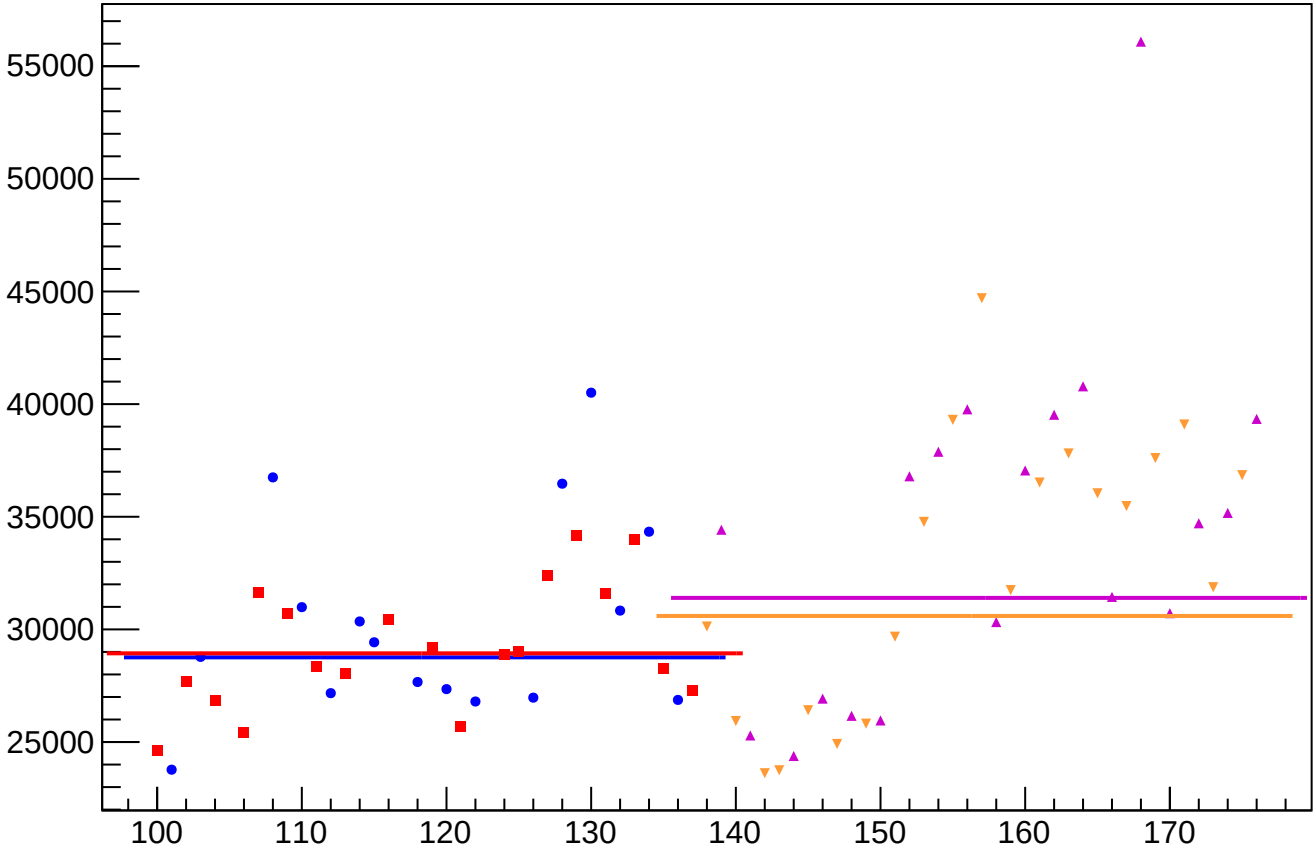
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.232+/-6.513 χ^2/NDF:26.7/34

Out: 0.096+/-6.323 χ^2/NDF:43.7/38

All: -0.549+/-4.537 χ^2/NDF: 70.4/73

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30596.077+/-5.561 χ^2/NDF:1060948.6/19

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 31398.473+/-5.763 χ^2/NDF:1212326.2/18

Left: 30982.948+/-4.002 χ^2/NDF: 2283314.3/38

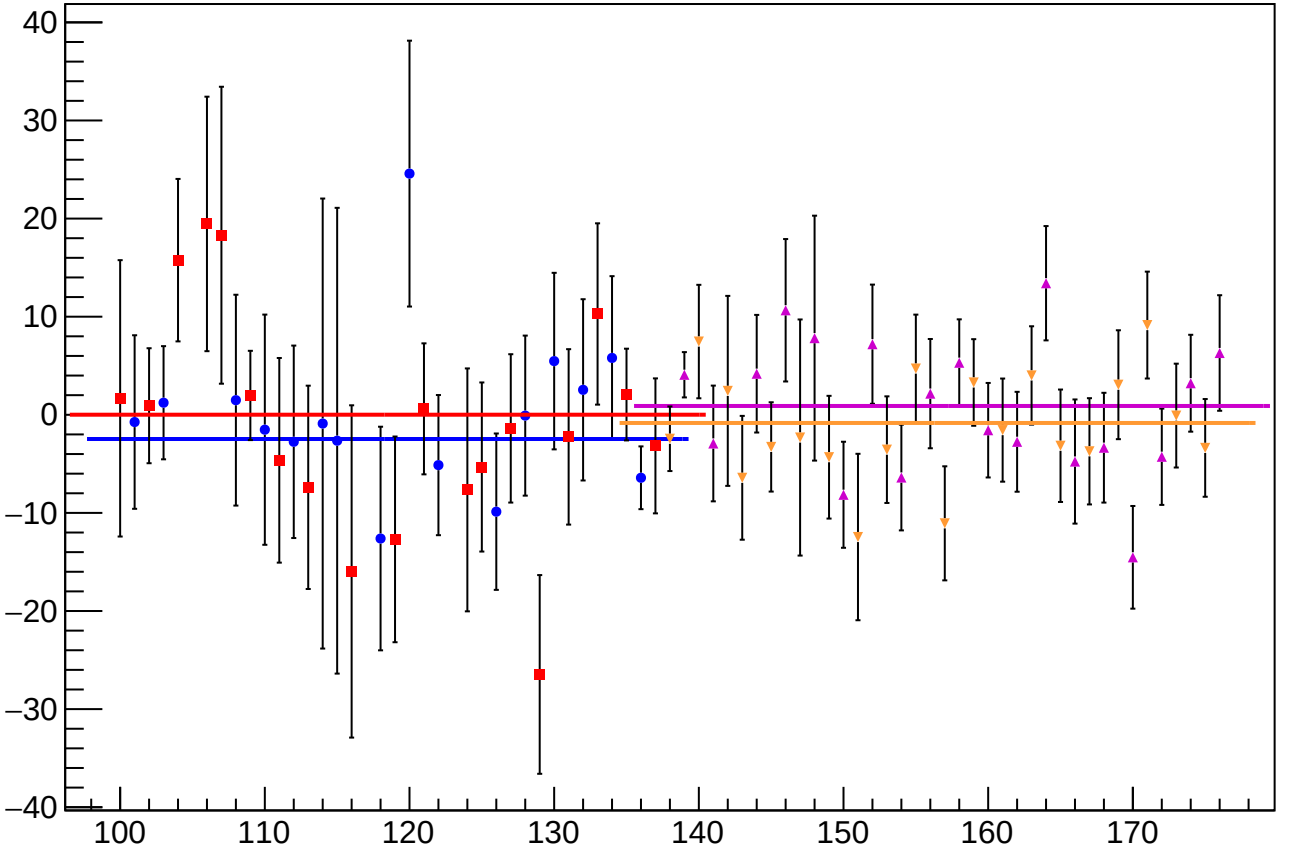
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 30444.905+/-4.606 χ^2/NDF:1565750.9/34

Out: 30009.927+/-4.471 χ^2/NDF:1198653.7/38

All: 30220.976+/-3.208 χ^2/NDF: 2768996.6/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.832+/-1.210 χ^2/NDF:16.5/19

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.900+/-1.144 χ^2/NDF:29.1/18

Left: 0.082+/-0.831 χ^2/NDF: 46.7/38

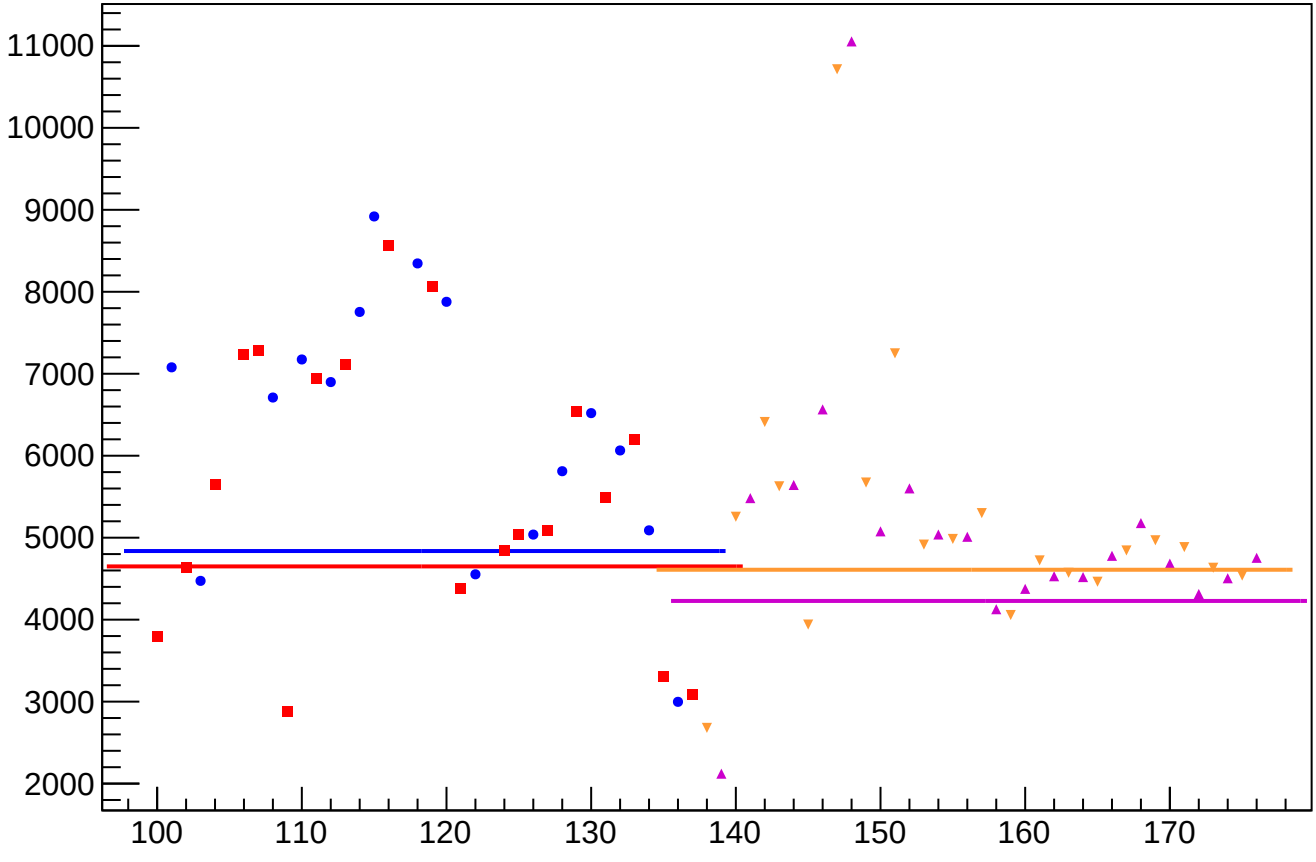
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.015+/-0.982 χ^2/NDF:41.4/34

Out: -0.576+/-1.009 χ^2/NDF:36.6/38

All: -0.272+/-0.704 χ^2/NDF: 78.2/73

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4608.896+/-0.855 χ^2/NDF:1738010.0/19

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4228.276+/-0.809 χ^2/NDF:3035424.9/18

Left: 4407.876+/-0.588 χ^2/NDF: 4877981.7/38

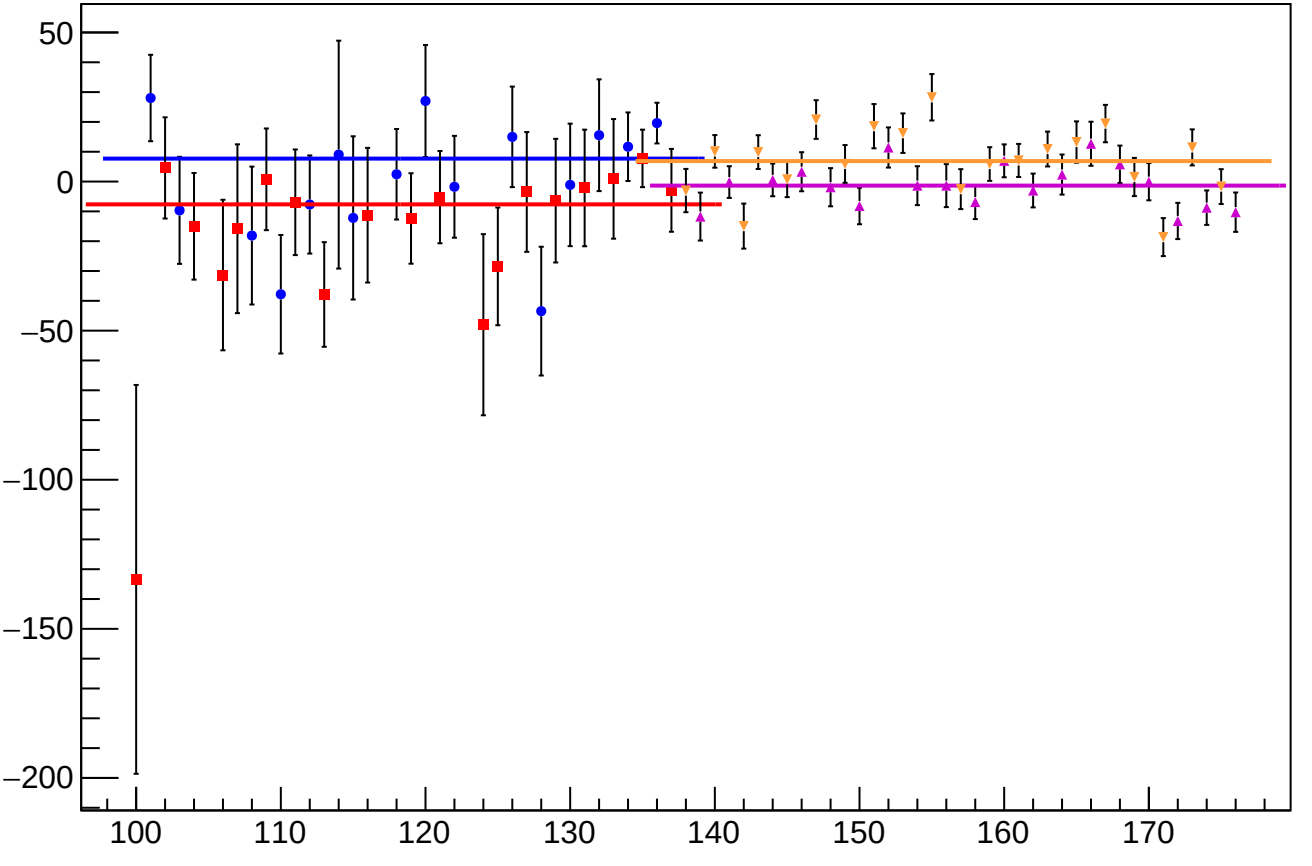
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4388.254+/-0.694 χ^2/NDF:4732169.1/34

Out: 4621.297+/-0.713 χ^2/NDF:3173248.6/38

All: 4501.615+/-0.498 χ^2/NDF: 7960218.9/73

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.871+/-1.410 χ^2/NDF:55.4/19

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.358+/-1.429 χ^2/NDF:23.0/18

Left: 2.813+/-1.004 χ^2/NDF: 95.2/38

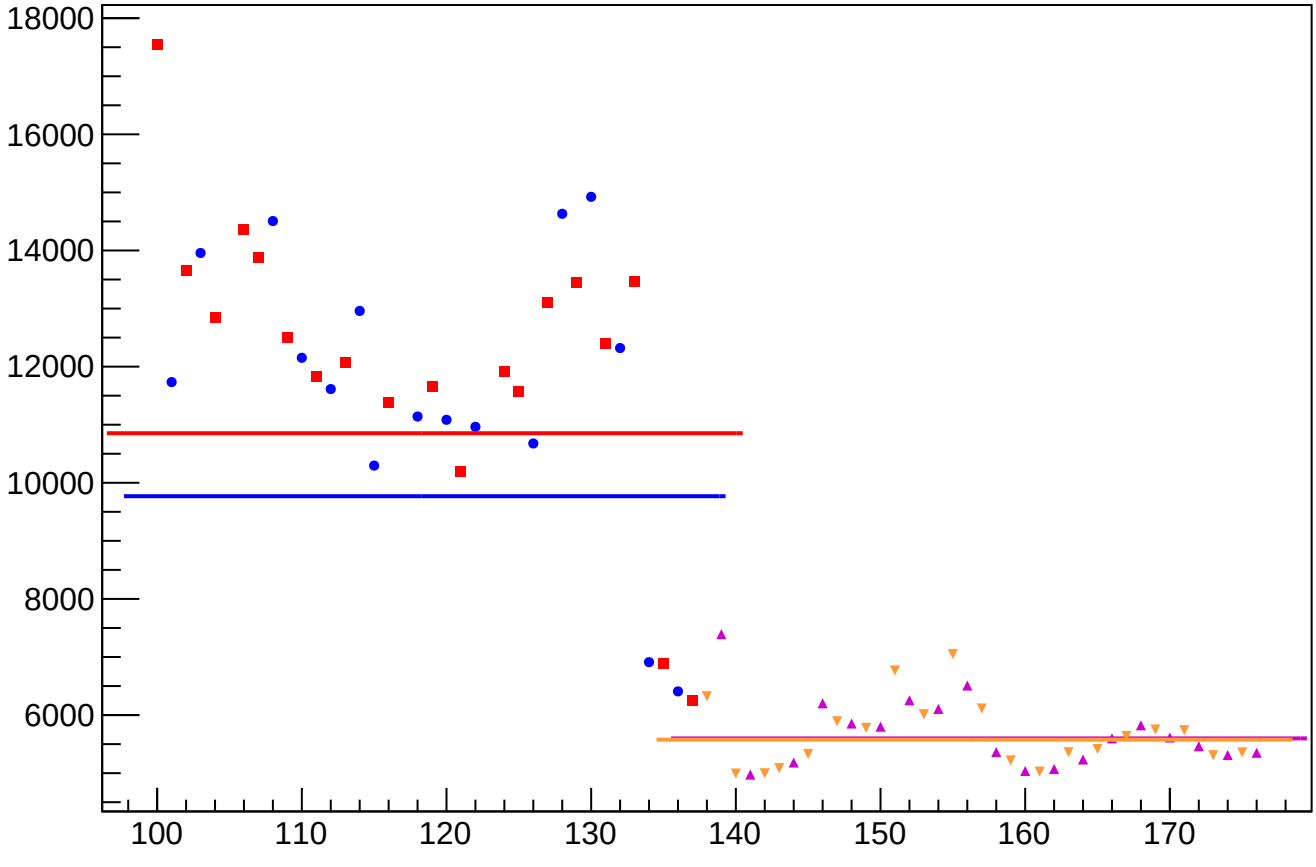
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: -0.246+/-1.339 χ^2/NDF:49.6/34

Out: 5.335+/-1.333 χ^2/NDF:81.2/38

All: 2.556+/-0.945 χ^2/NDF: 139.4/73

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5576.689+/-0.997 χ^2/NDF:267161.9/19

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5598.425+/-1.011 χ^2/NDF:282502.2/18

Left: 5587.407+/-0.710 χ^2/NDF: 549898.6/38

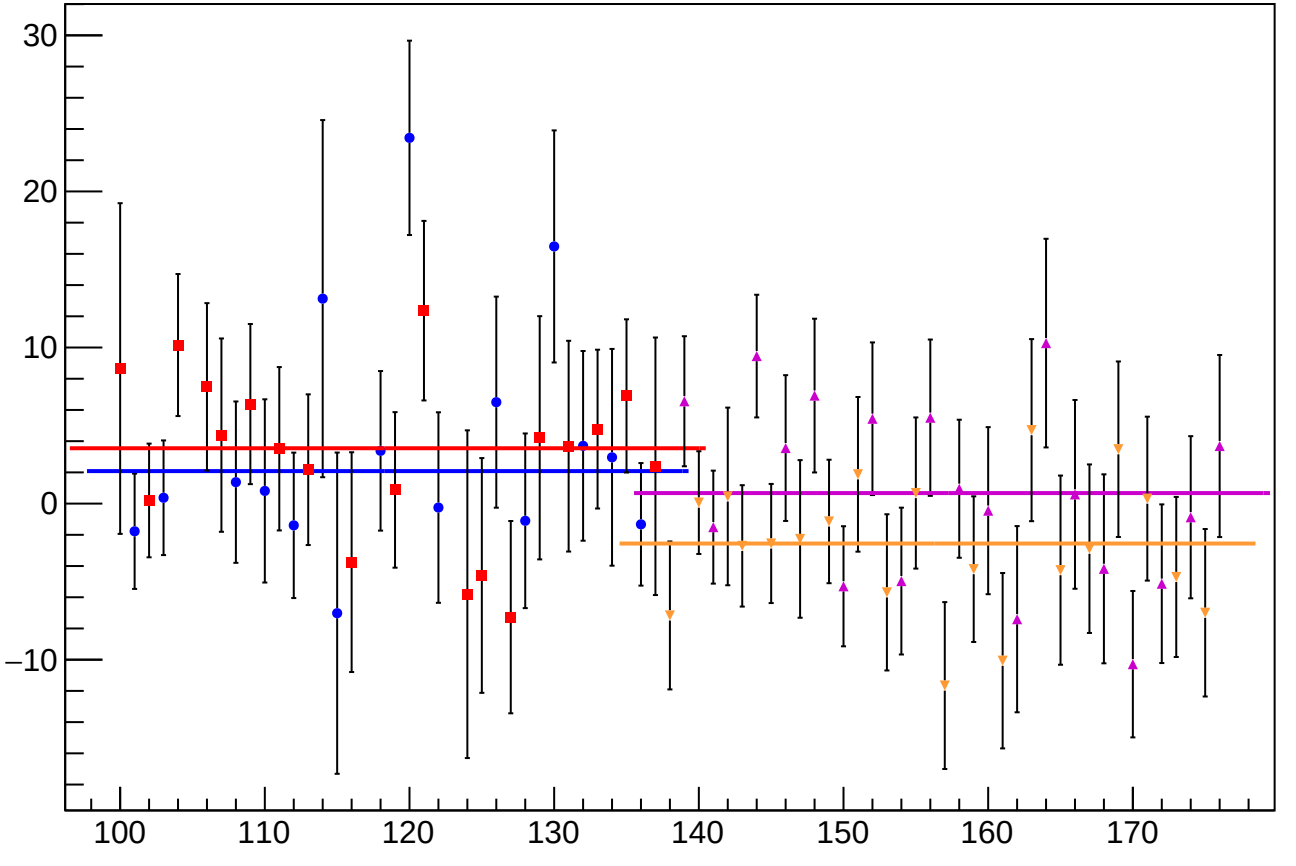
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6110.736+/-0.947 χ^2/NDF:3587301.3/34

Out: 6134.818+/-0.943 χ^2/NDF:4104653.3/38

All: 6122.827+/-0.668 χ^2/NDF: 7692279.5/73

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.558+/-1.070 χ^2/NDF:12.4/19

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.674+/-1.103 χ^2/NDF:26.8/18

Left: -0.991+/-0.768 χ^2/NDF: 43.6/38

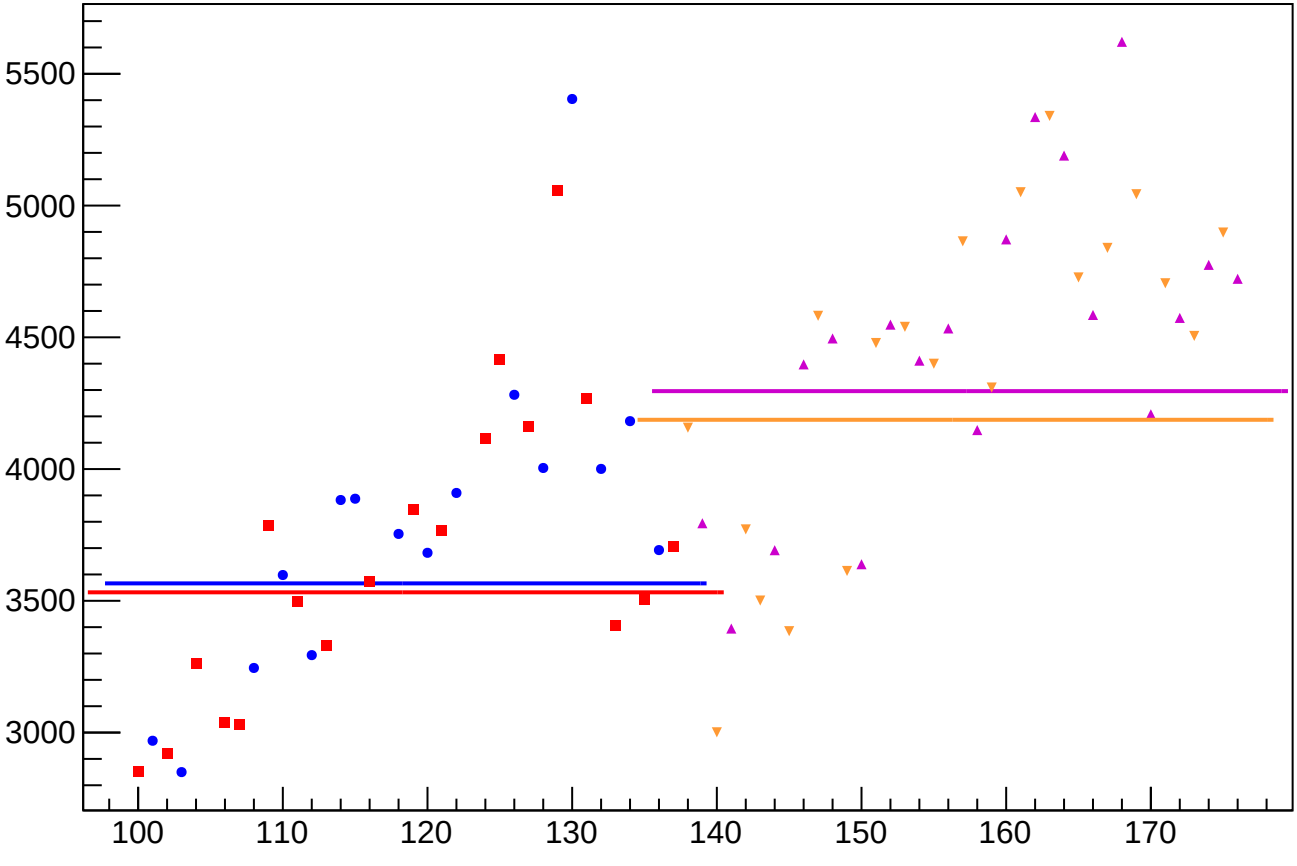
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.240+/-0.853 χ^2/NDF:48.4/34

Out: -0.102+/-0.827 χ^2/NDF:38.9/38

All: 0.549+/-0.594 χ^2/NDF: 88.6/73

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4187.012+/-0.757 χ^2/NDF:808910.5/19

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4295.777+/-0.780 χ^2/NDF:530628.4/18

Left: 4239.755+/-0.543 χ^2/NDF: 1349557.1/38

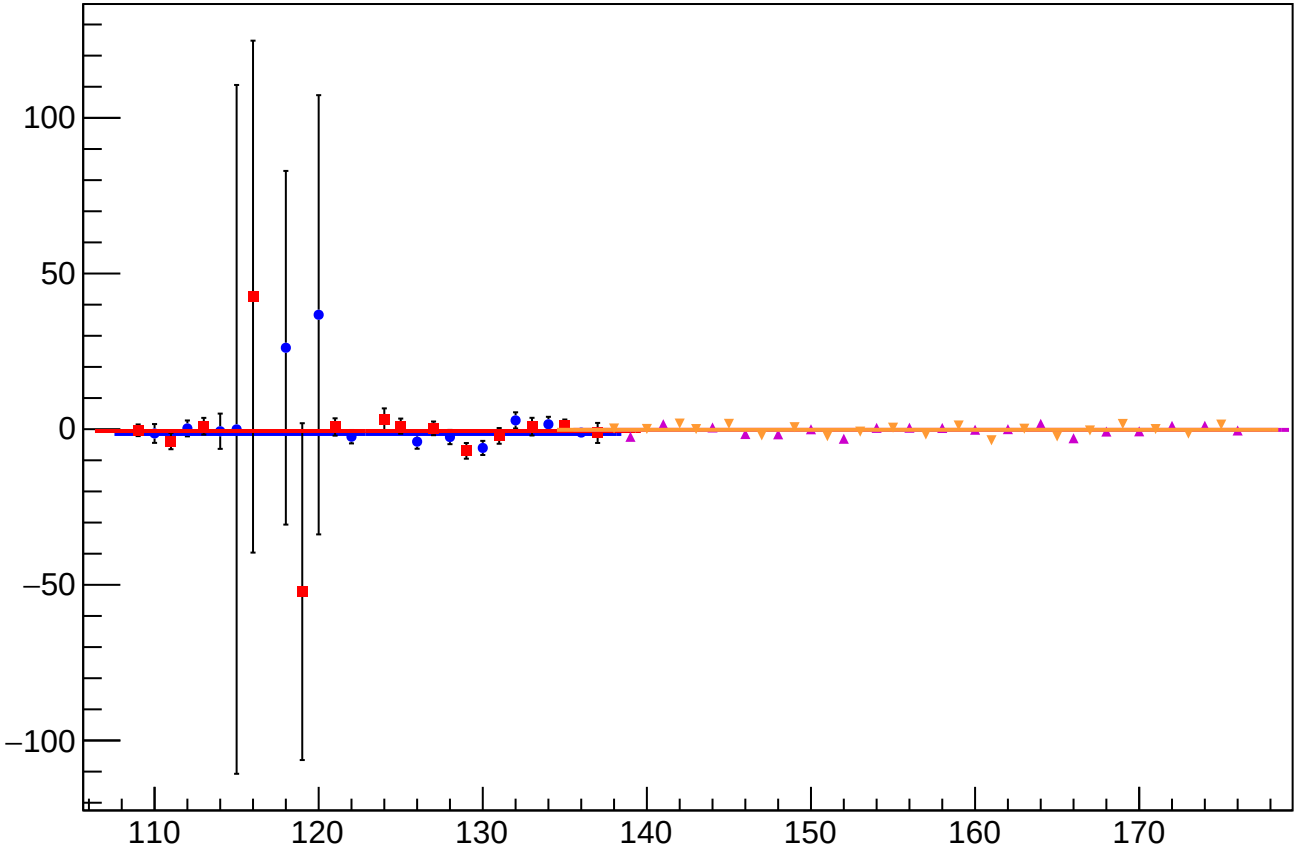
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4002.499+/-0.603 χ^2/NDF:1223552.5/34

Out: 3923.522+/-0.585 χ^2/NDF:1388922.5/38

All: 3961.806+/-0.420 χ^2/NDF: 2621310.4/73

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.201+/-0.257 χ^2/NDF:32.7/19

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.228+/-0.260 χ^2/NDF:27.2/18

Left: -0.214+/-0.183 χ^2/NDF: 59.9/38

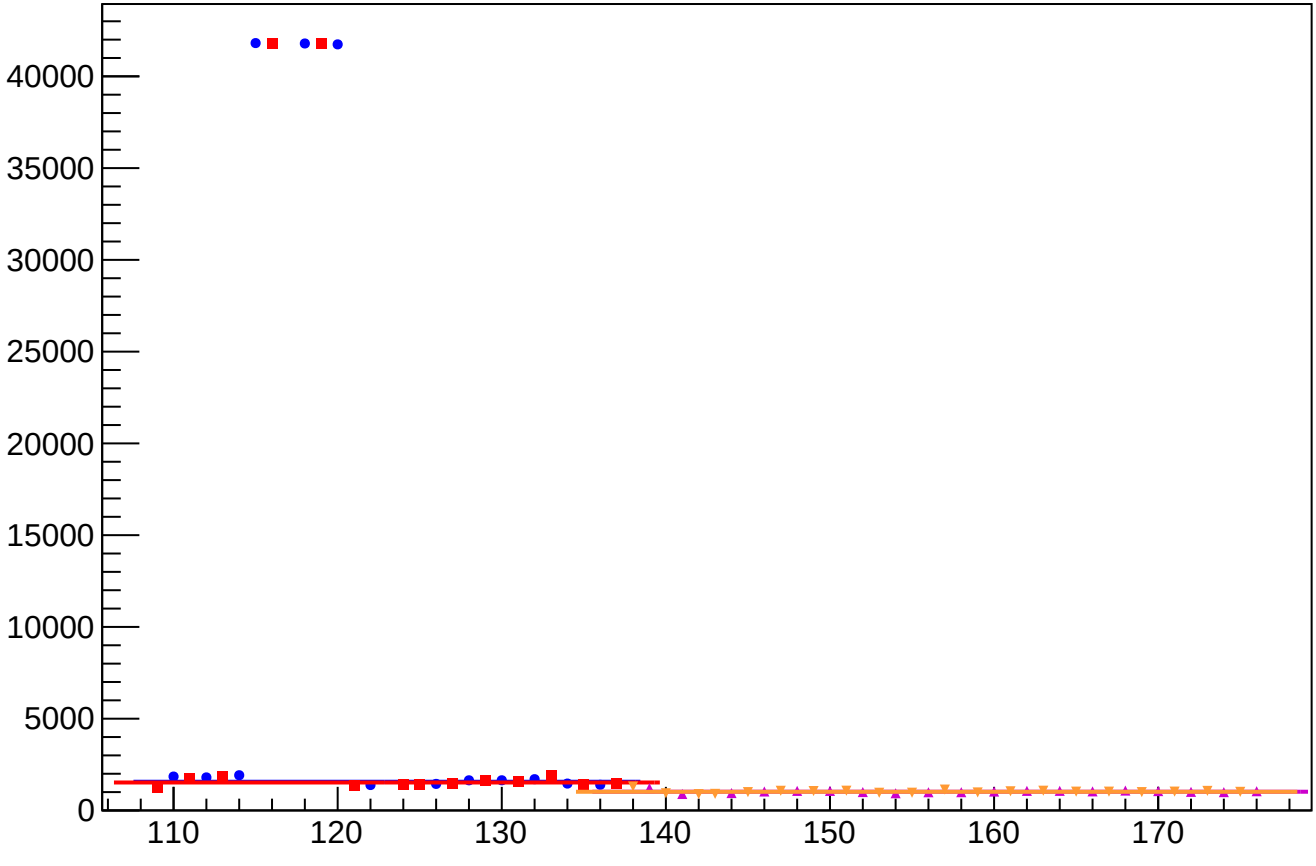
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.374+/-0.245 χ^2/NDF:41.1/31

Out: -0.245+/-0.242 χ^2/NDF:45.7/33

All: -0.308+/-0.172 χ^2/NDF: 86.9/65

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1017.855+/-0.182 χ^2/NDF:181358.1/19

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1020.095+/-0.184 χ^2/NDF:125650.6/18

Left: 1018.962+/-0.129 χ^2/NDF: 307083.9/38

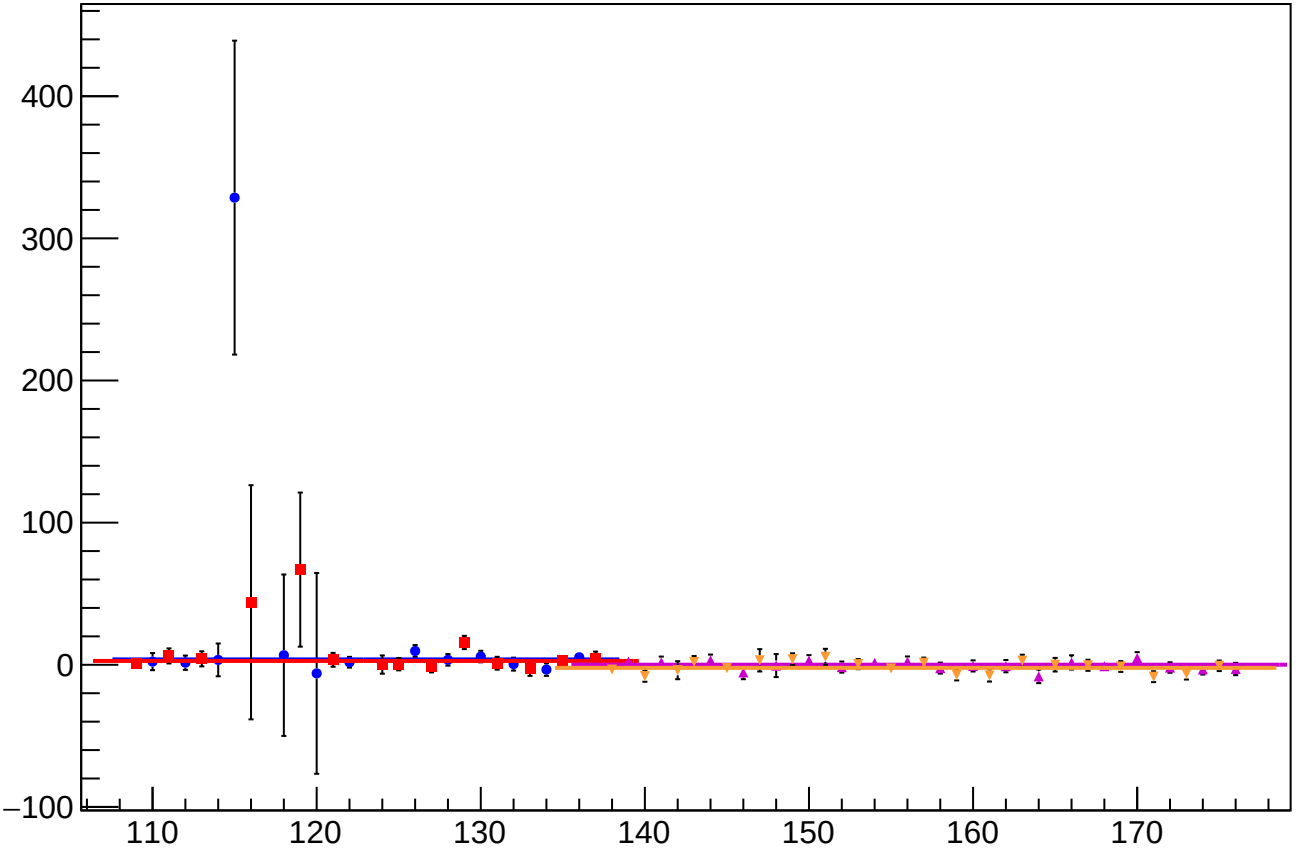
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1080.863+/-0.173 χ^2/NDF:3122753.2/31

Out: 1075.324+/-0.171 χ^2/NDF:2803069.3/33

All: 1078.058+/-0.122 χ^2/NDF: 5926340.9/65

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.161+/-0.860 χ^2/NDF:18.4/19

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.057+/-0.873 χ^2/NDF:11.0/18

Left: -1.069+/-0.613 χ^2/NDF: 32.6/38

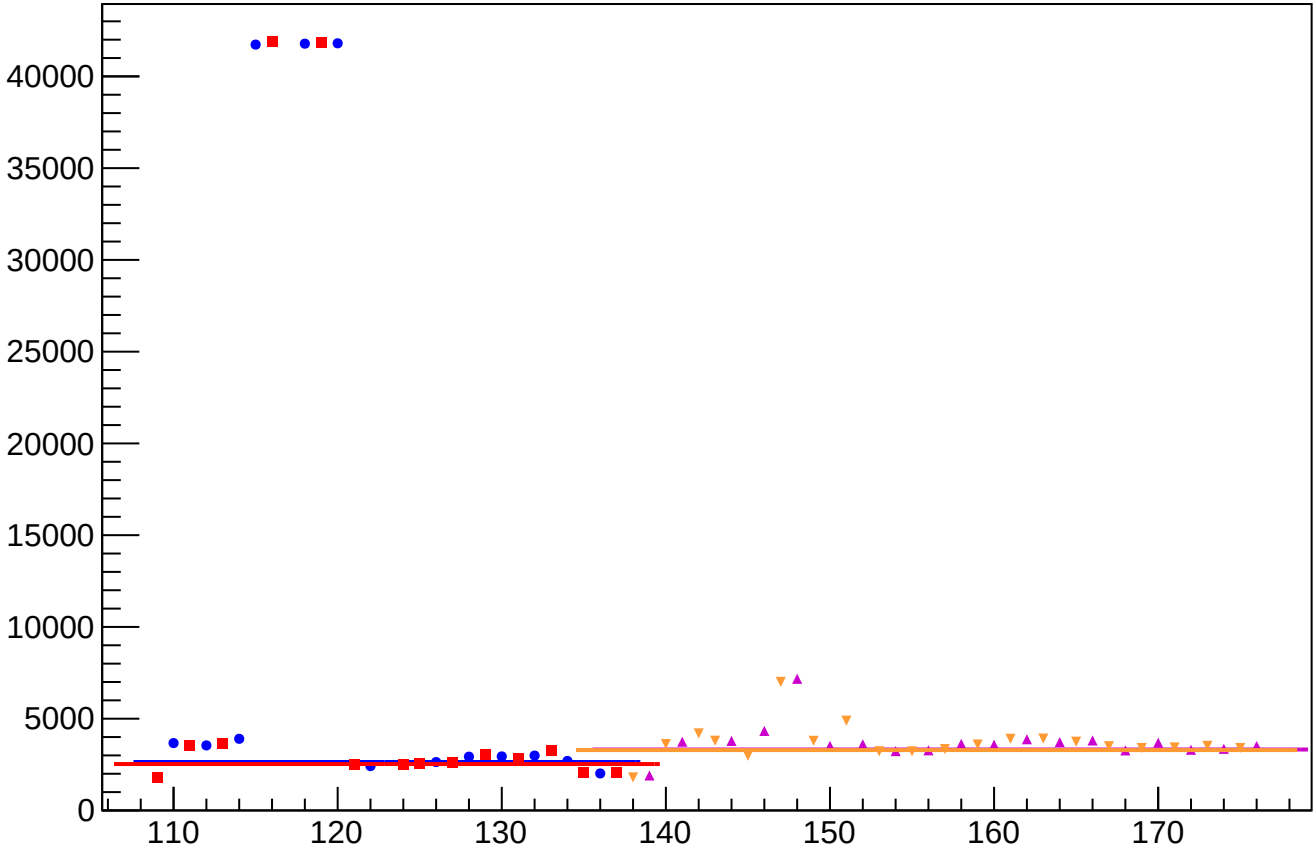
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.279+/-0.716 χ^2/NDF:32.1/31

Out: -0.528+/-0.701 χ^2/NDF:42.7/33

All: 0.358+/-0.501 χ^2/NDF: 78.1/65

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3290.675+/-0.608 χ^2/NDF:1882572.2/19

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3320.502+/-0.618 χ^2/NDF:1612731.7/18

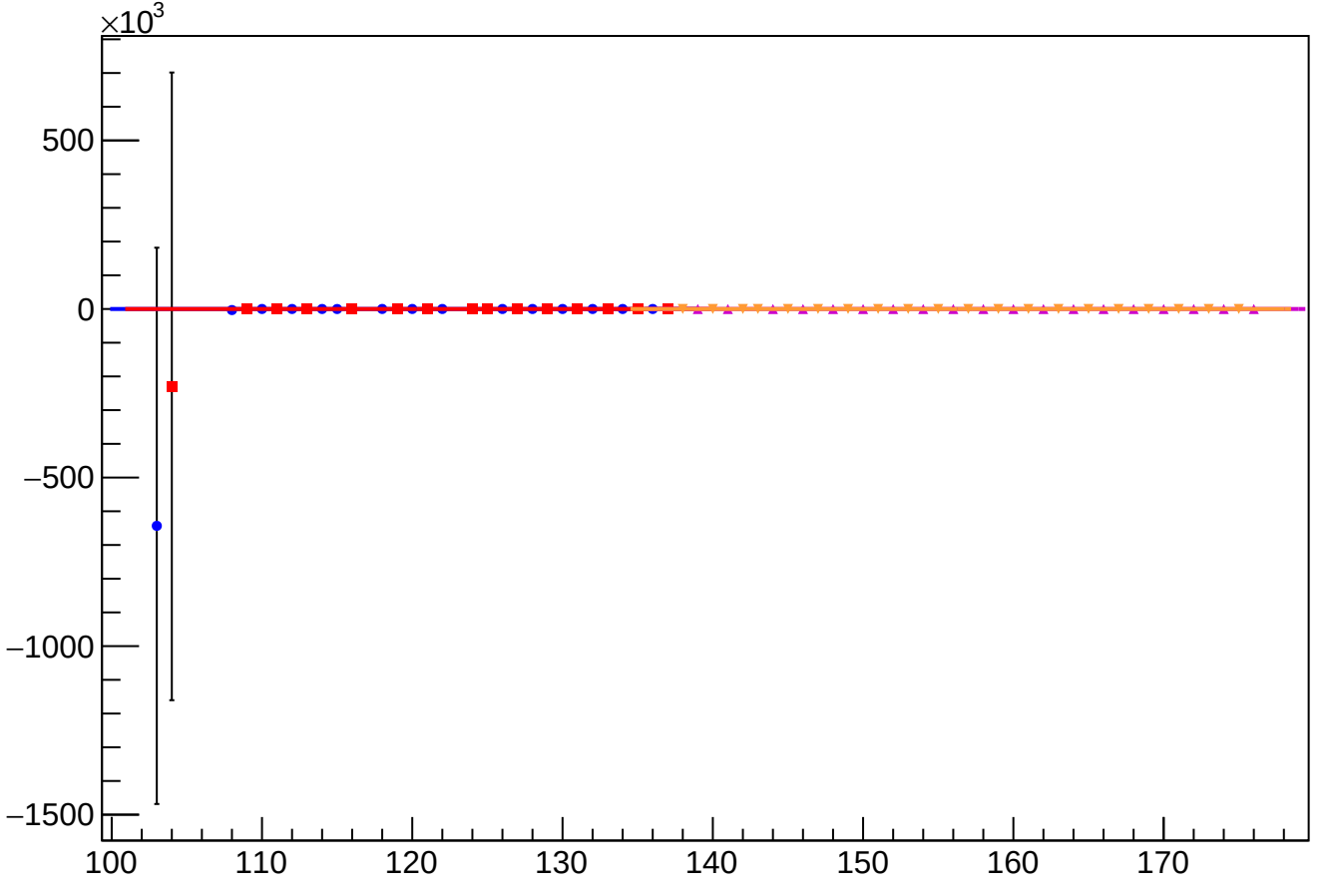
Left: 3305.363+/-0.433 χ^2/NDF: 3496488.1/38

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3096.878+/-0.506 χ^2/NDF:4185235.8/31

Out: 3035.231+/-0.496 χ^2/NDF:4358381.5/33

All: 3065.432+/-0.354 χ^2/NDF: 8551189.1/65



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.717+/-0.401 χ^2/NDF:46.6/19

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.185+/-0.407 χ^2/NDF:23.0/18

Left: -0.779+/-0.286 χ^2/NDF: 80.6/38

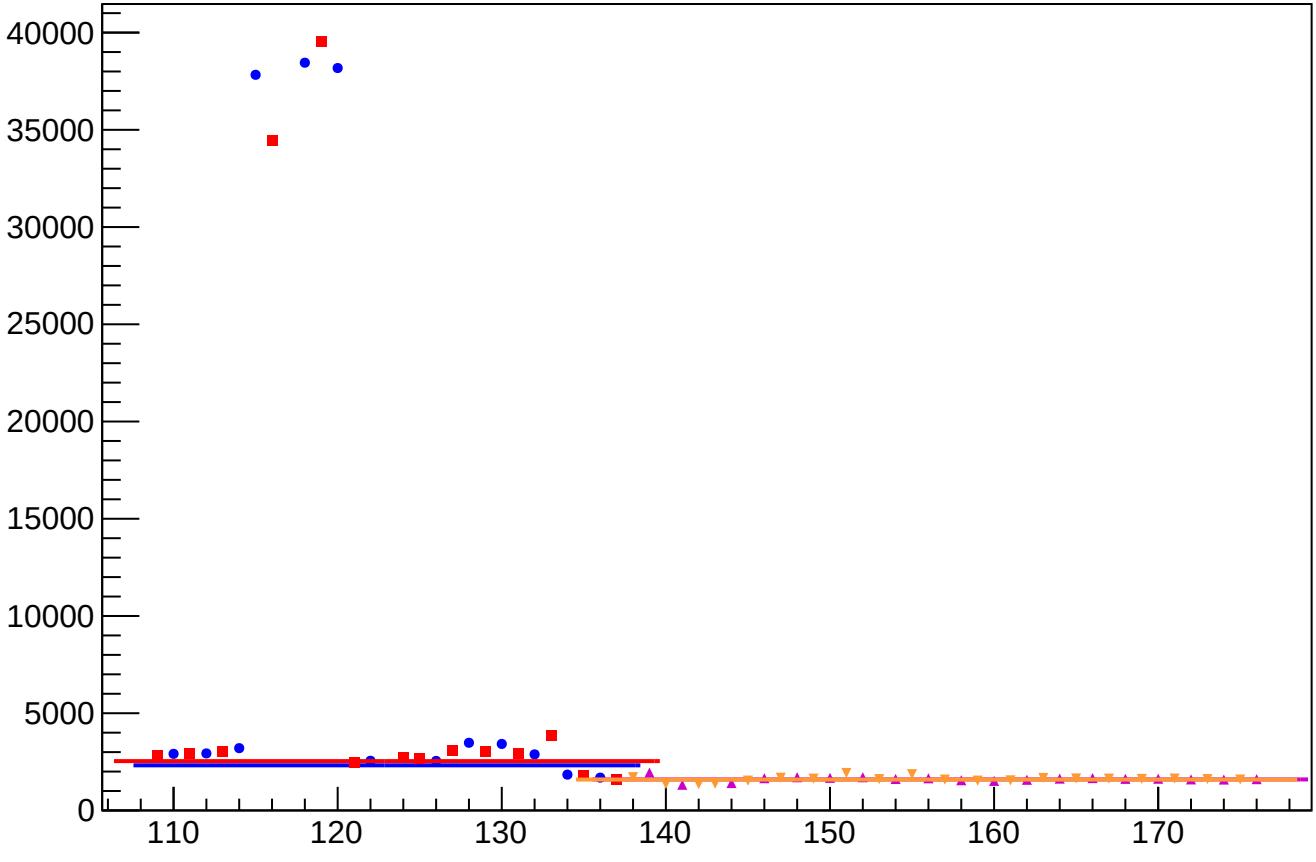
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.023+/-0.383 χ^2/NDF:43.1/33

Out: -1.283+/-0.381 χ^2/NDF:72.8/34

All: -0.633+/-0.270 χ^2/NDF: 121.8/68

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.688+/-0.284 χ^2/NDF:230420.1/19

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1595.223+/-0.288 χ^2/NDF:196181.9/18

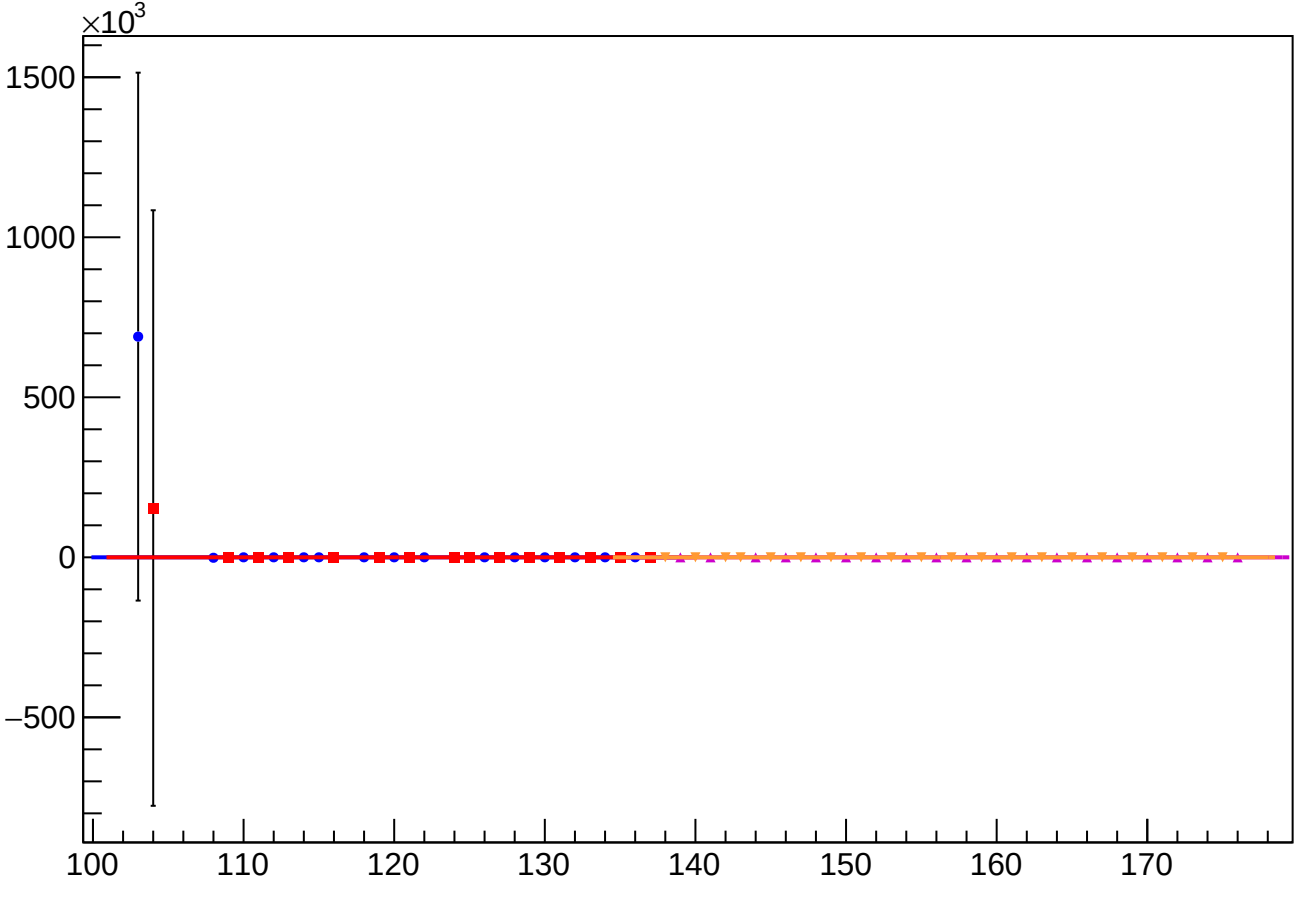
Left: 1591.910+/-0.202 χ^2/NDF: 426863.7/38

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1679.063+/-0.271 χ^2/NDF:3392314.6/31

Out: 1682.490+/-0.269 χ^2/NDF:3374969.2/33

All: 1680.785+/-0.191 χ^2/NDF: 6767364.4/65



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.069+/-0.555 χ^2/NDF:21.4/19

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.200+/-0.541 χ^2/NDF:14.0/18

Left: -0.624+/-0.387 χ^2/NDF: 36.7/38

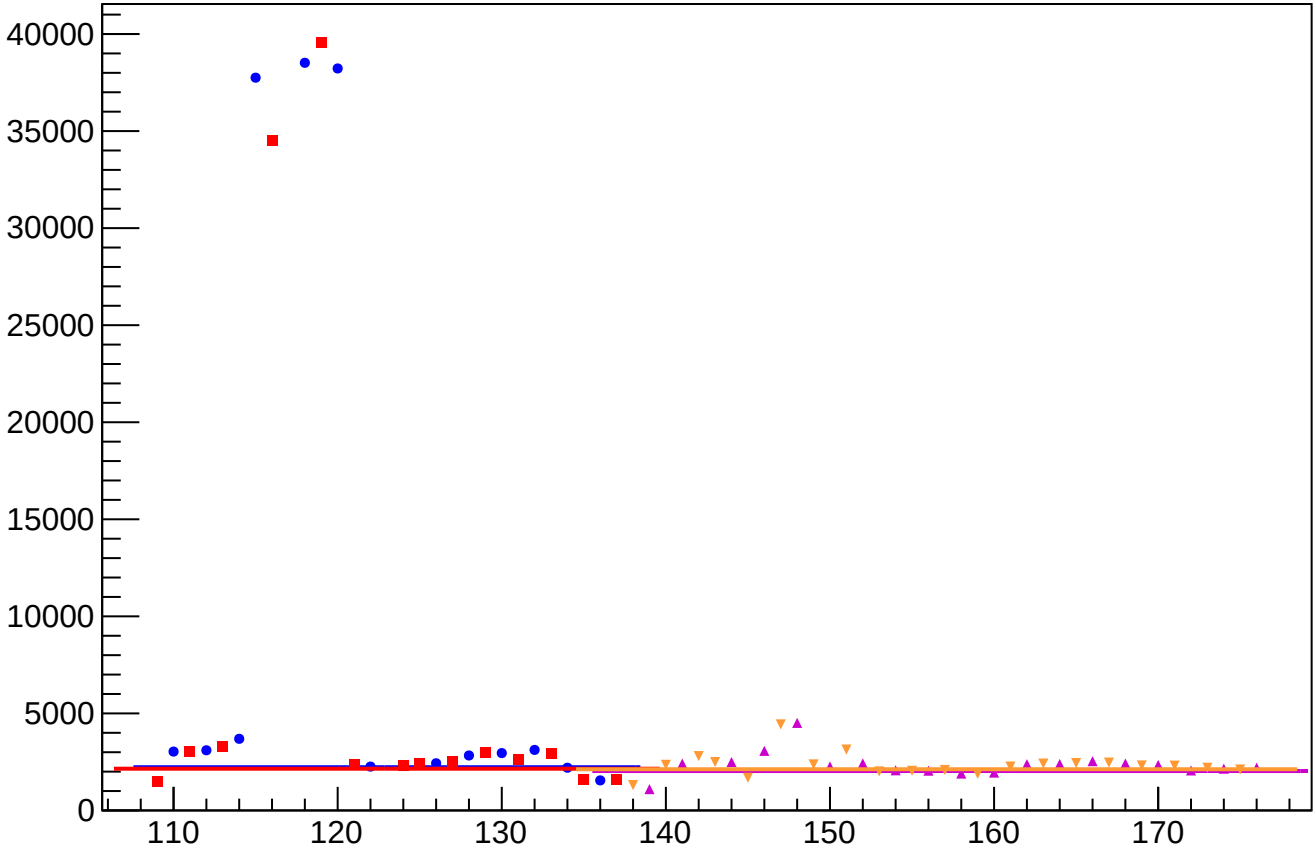
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.185+/-0.483 χ^2/NDF:21.6/33

Out: -0.425+/-0.491 χ^2/NDF:43.0/34

All: -0.116+/-0.344 χ^2/NDF: 65.3/68

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2122.508+/-0.392 χ^2/NDF:1467776.1/19

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2031.823+/-0.383 χ^2/NDF:2258525.8/18

Left: 2076.054+/-0.274 χ^2/NDF: 3753697.2/38

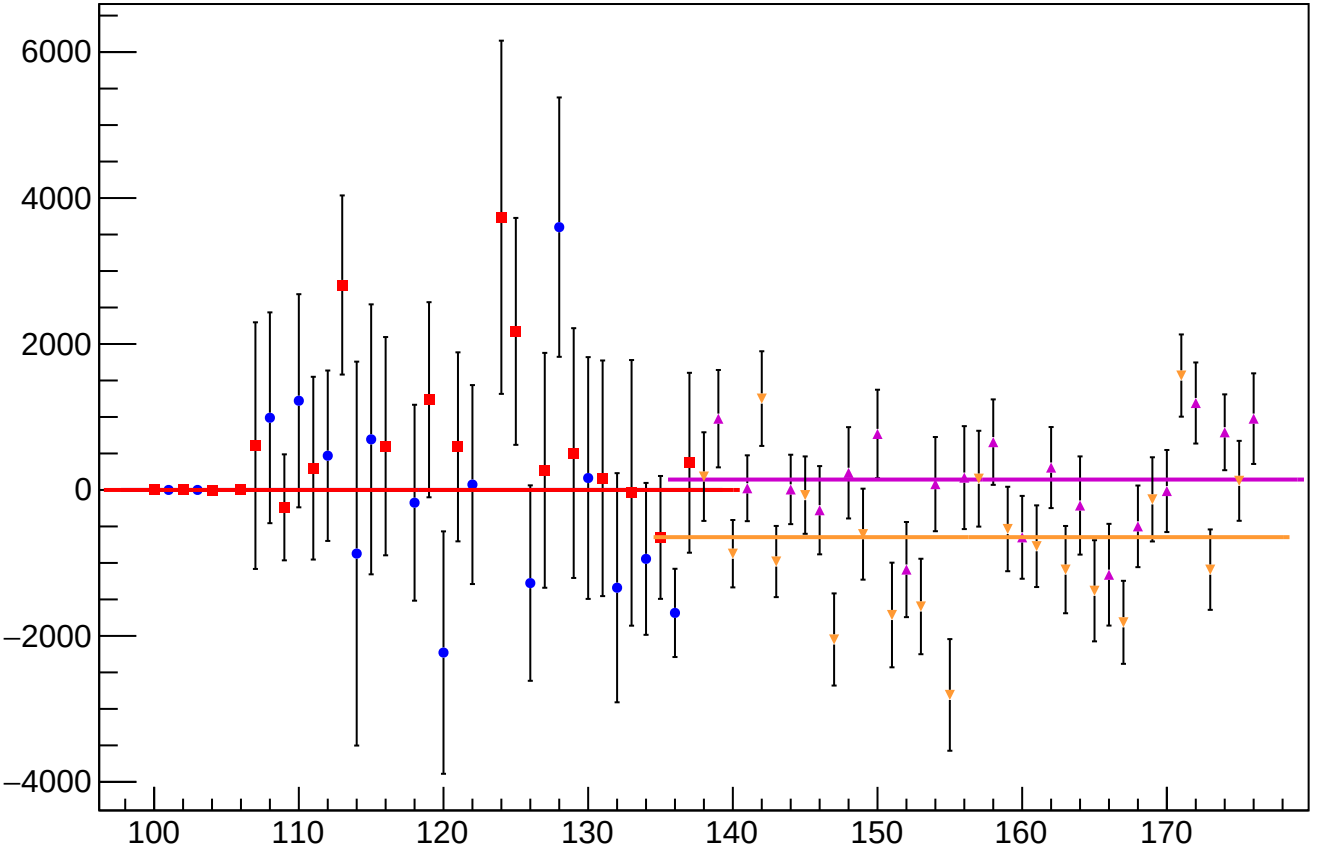
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2071.189+/-0.342 χ^2/NDF:4833274.1/31

Out: 2128.672+/-0.347 χ^2/NDF:3700233.8/33

All: 2099.513+/-0.243 χ^2/NDF: 8547438.5/65

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -646.753+/-131.458 χ^2/NDF:55.9/19

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 142.562+/-133.886 χ^2/NDF:21.8/18

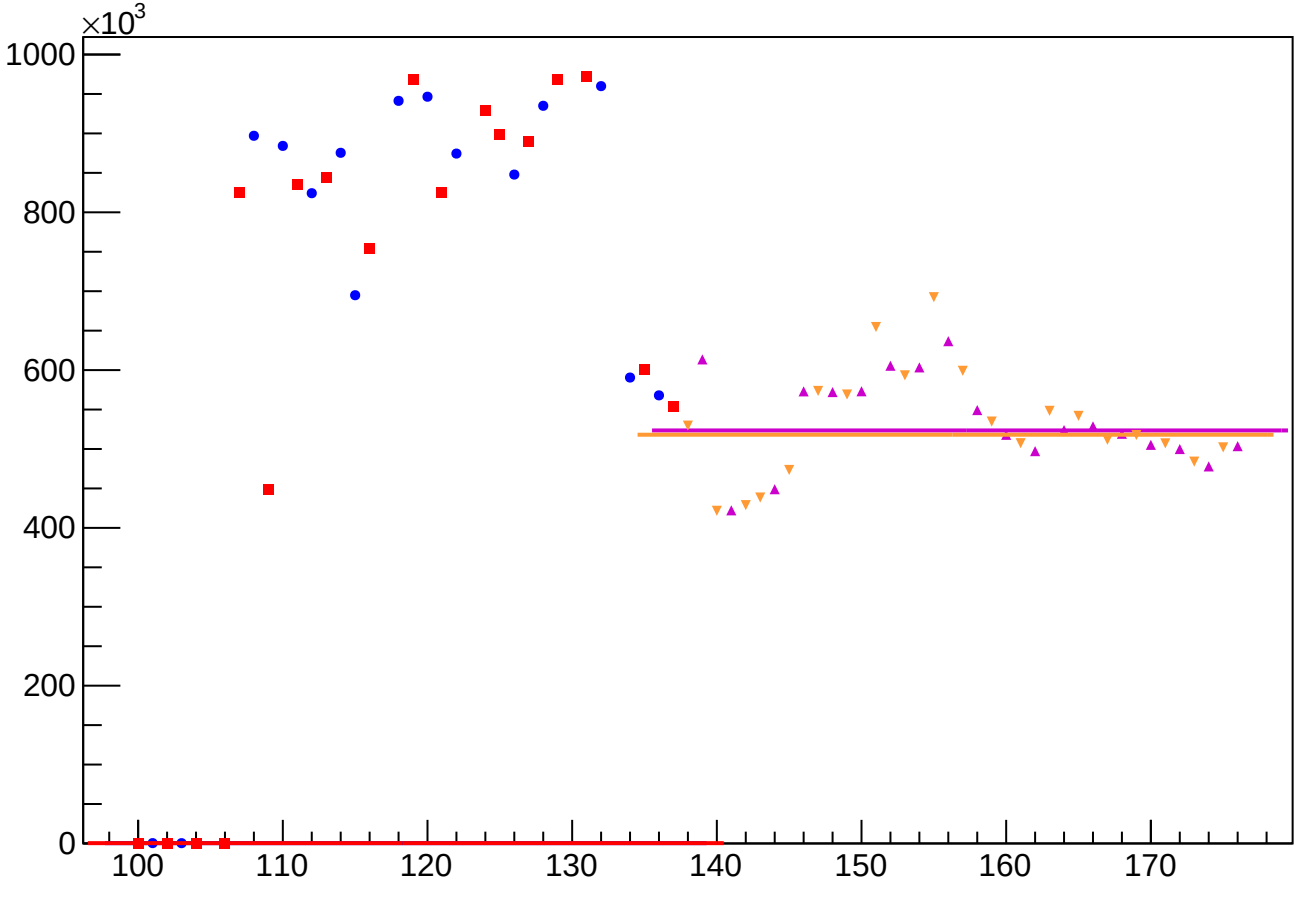
Left: -259.319+/-93.801 χ^2/NDF: 95.4/38

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:40.6/34

Out: -0.100+/-0.328 χ^2/NDF:95.5/38

All: 0.064+/-0.241 χ^2/NDF: 136.7/73



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 518081.479+/-92.954 χ^2/NDF:475751.3/19

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 523508.910+/-94.672 χ^2/NDF:370954.1/18

Left: 520745.523+/-66.328 χ^2/NDF: 848378.7/38

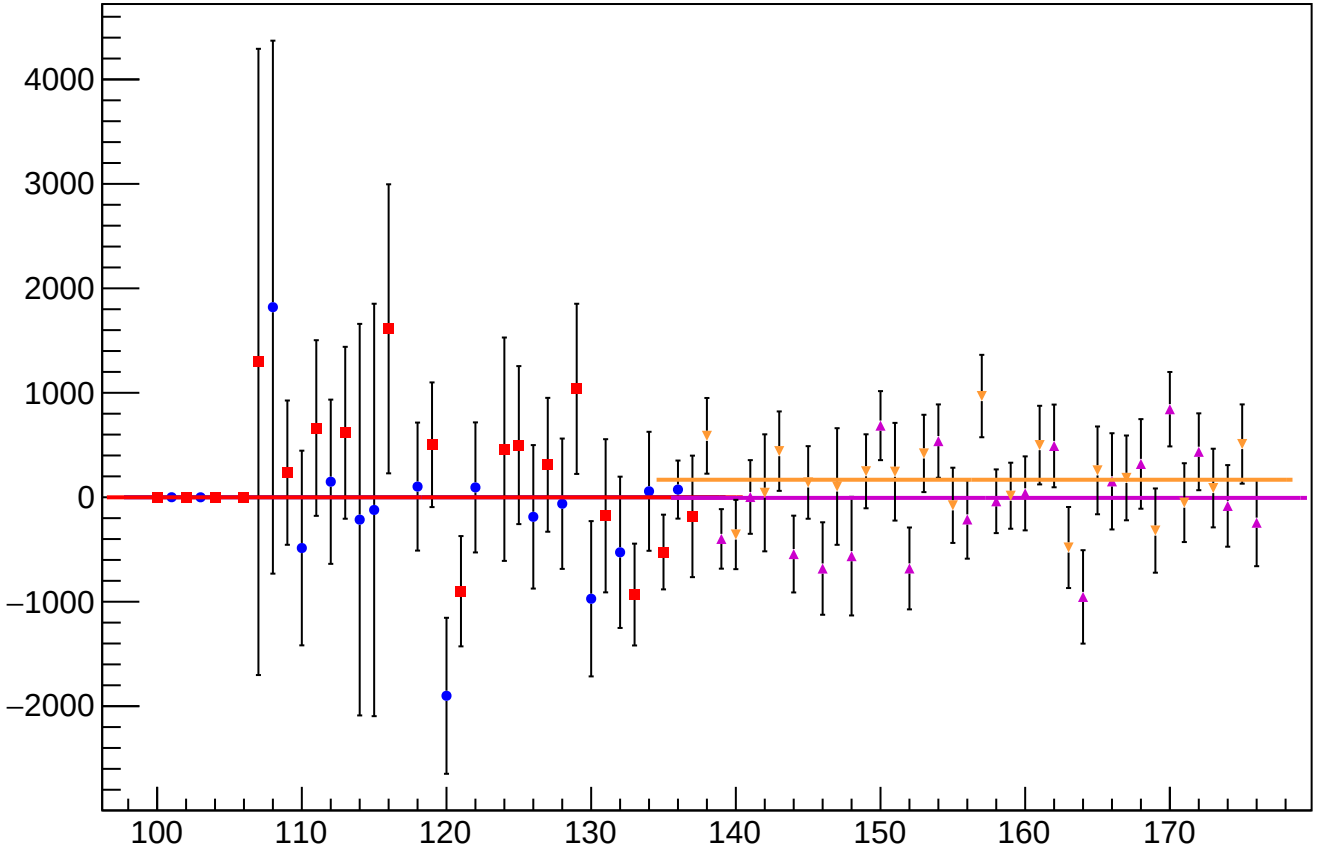
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.572+/-0.251 χ^2/NDF:39393843.5/33

Out: 396.458+/-0.232 χ^2/NDF:39140852.7/37

All: 399.266+/-0.170 χ^2/NDF: 78535015.8/71

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 167.698+/-86.094 χ^2/NDF:16.1/19

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -6.063+/-86.174 χ^2/NDF:31.7/18

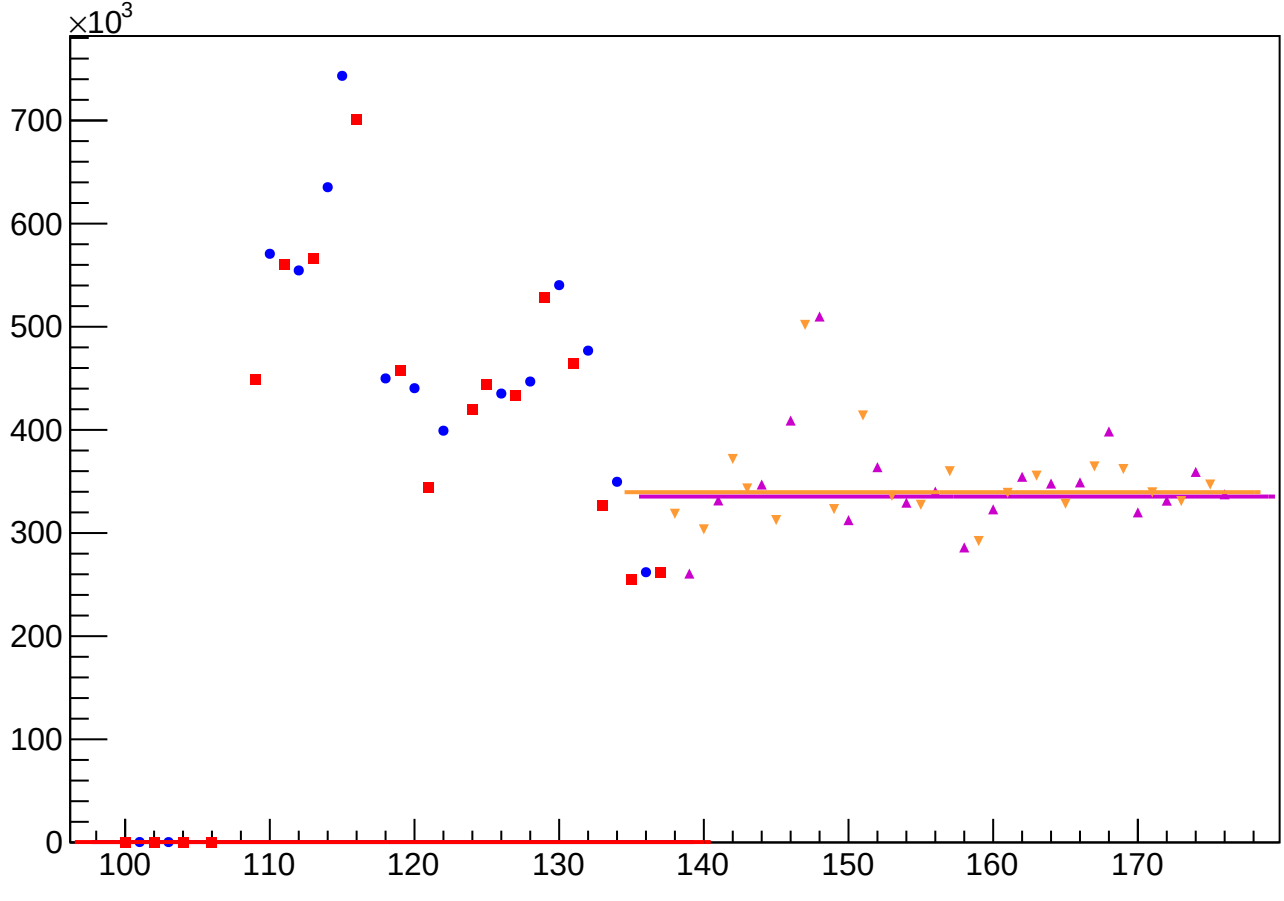
Left: 80.899+/-60.906 χ^2/NDF: 49.8/38

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:42.1/34

Out: -0.596+/-0.324 χ^2/NDF:34.9/38

All: -0.328+/-0.237 χ^2/NDF: 78.5/73



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339606.296+/-60.877 χ^2/NDF:346163.6/19

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335373.889+/-60.938 χ^2/NDF:522419.0/18

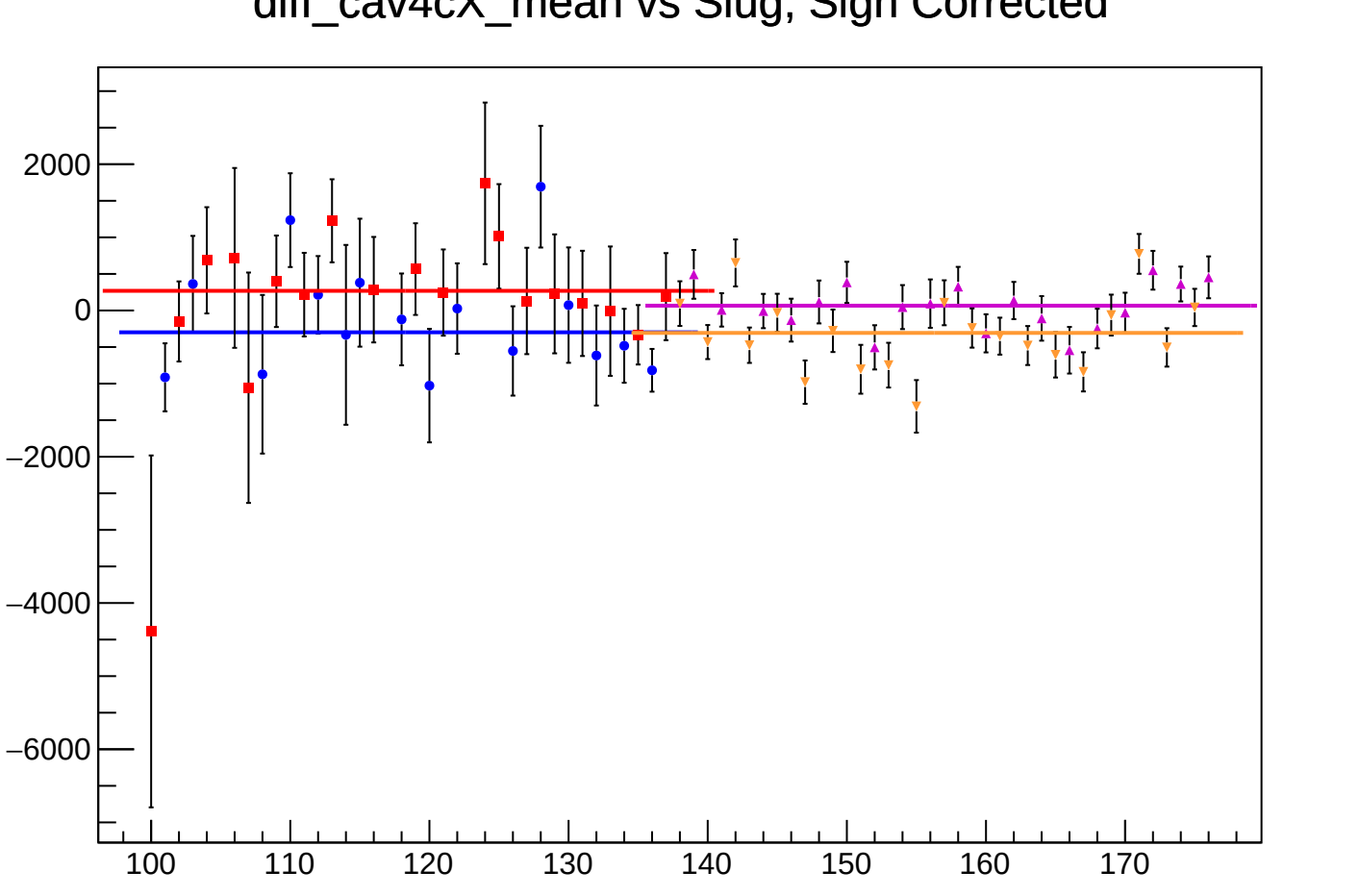
Left: 337492.193+/-43.068 χ^2/NDF: 870996.9/38

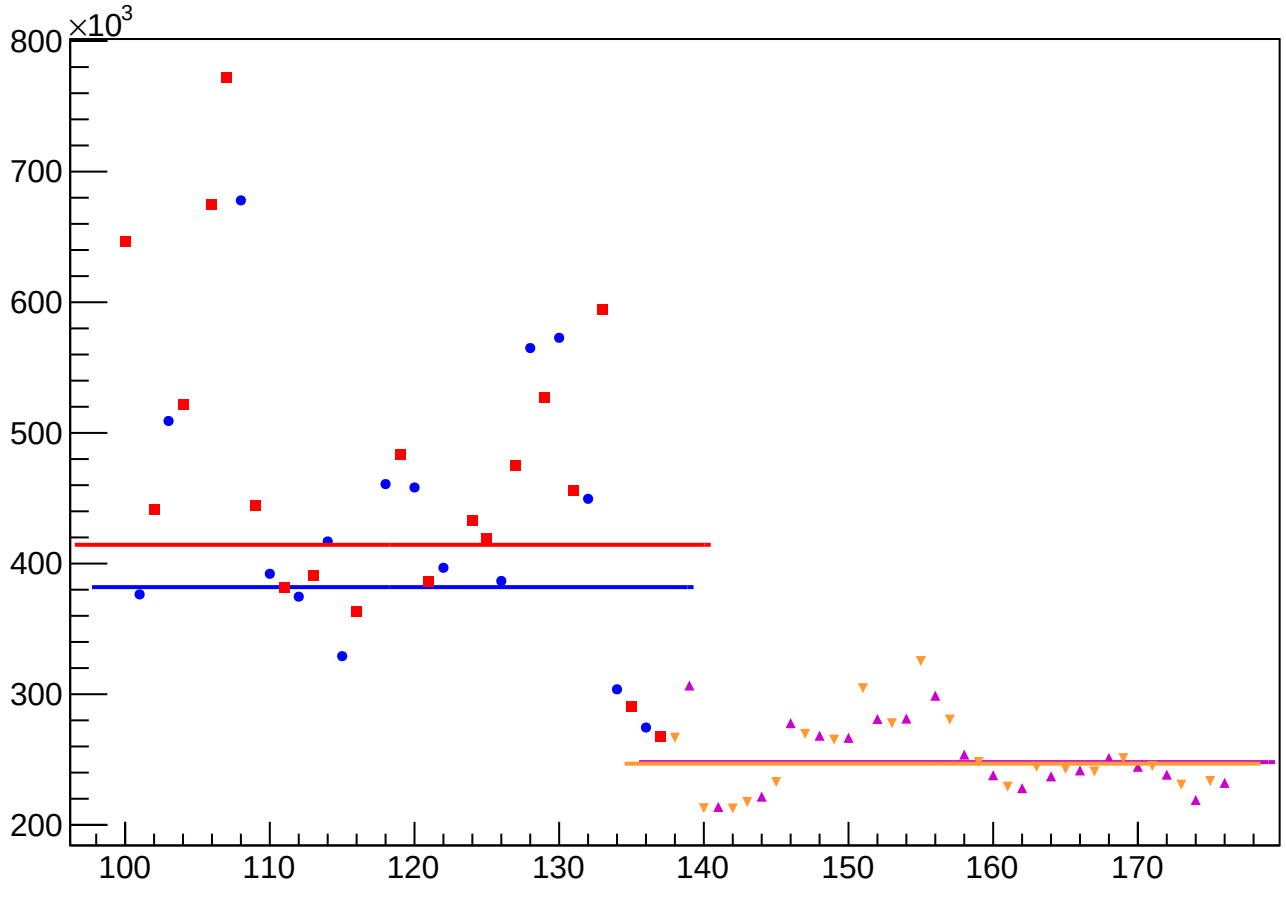
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 395.710+/-0.245 χ^2/NDF:41872756.0/33

Out: 392.783+/-0.229 χ^2/NDF:42469039.6/37

All: 394.145+/-0.167 χ^2/NDF: 84341871.6/71


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -306.510+/-62.495 χ²/NDF:55.9/19
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 65.939+/-63.372 χ²/NDF:22.4/18
Left: -122.881+/-44.498 χ²/NDF: 95.8/38
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: 9.099+/-58.218 χ²/NDF:48.7/34
Out: -227.445+/-58.043 χ²/NDF:81.5/38
All: -109.528+/-41.104 χ²/NDF: 138.5/73



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 246865.988+/-44.191 χ^2/NDF:353726.6/19

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 248034.979+/-44.811 χ^2/NDF:325481.9/18

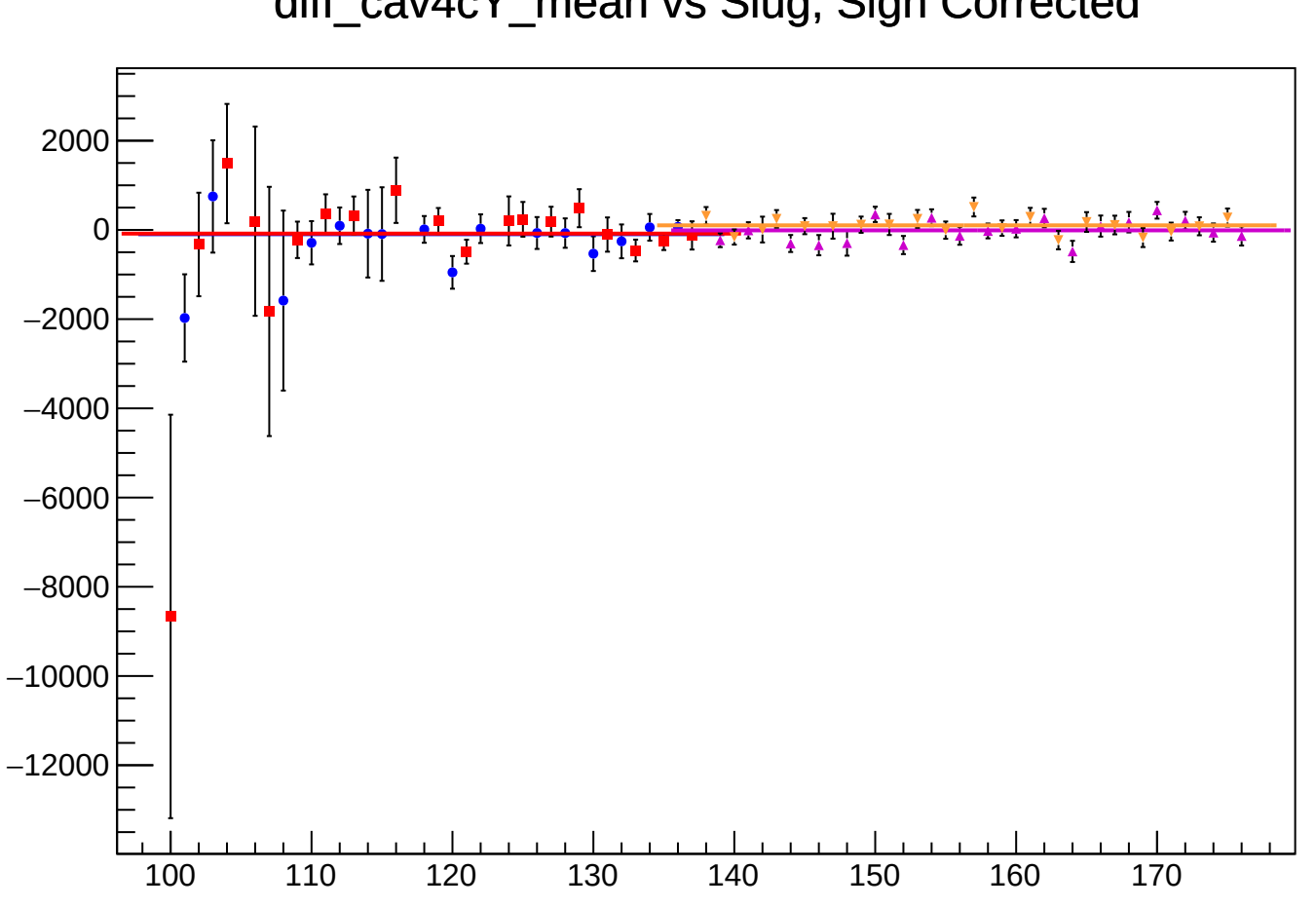
Left: 247442.337+/-31.465 χ^2/NDF: 679553.6/38

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 268929.786+/-41.167 χ^2/NDF:2555502.2/34

Out: 269873.504+/-41.044 χ^2/NDF:3087382.0/38

All: 269403.060+/-29.066 χ^2/NDF: 5643147.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 102.402+/-45.442 χ^2/NDF:15.4/19

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -10.100+/-45.573 χ^2/NDF:31.0/18

Left: 46.313+/-32.179 χ^2/NDF: 49.5/38

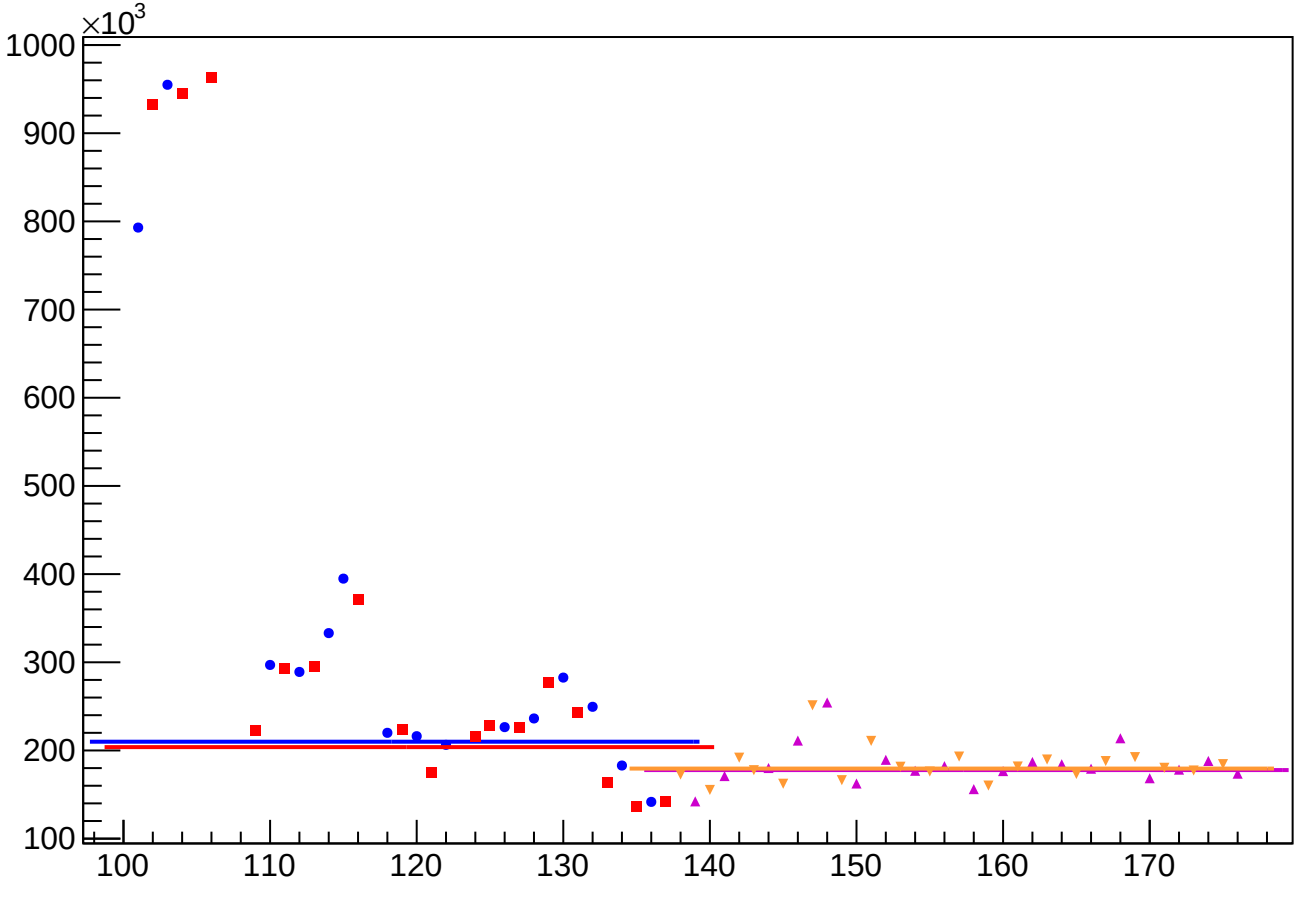
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -28.148+/-40.494 χ^2/NDF:45.5/34

Out: 62.941+/-40.310 χ^2/NDF:38.0/38

All: 17.604+/-28.568 χ^2/NDF: 86.1/73

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179462.271+/-32.132 χ^2/NDF:295713.9/19

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177763.971+/-32.225 χ^2/NDF:419755.0/18

Left: 178615.564+/-22.754 χ^2/NDF: 716861.6/38

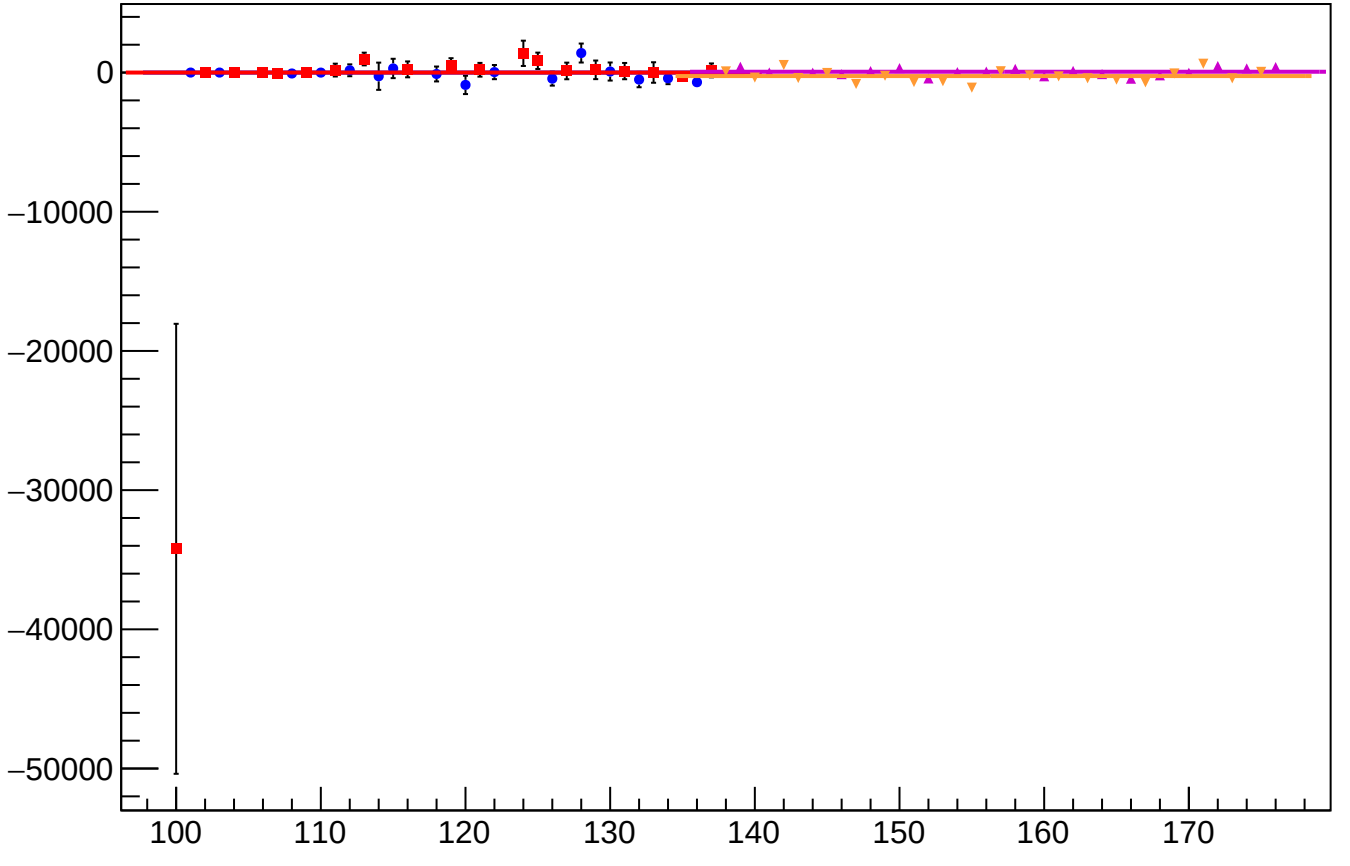
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184515.165+/-28.644 χ^2/NDF:2588766.7/33

Out: 184627.664+/-28.518 χ^2/NDF:2487917.3/36

All: 184571.662+/-20.210 χ^2/NDF: 5076691.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -252.095+/-52.208 χ^2/NDF:55.9/19

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 58.225+/-53.017 χ^2/NDF:22.6/18

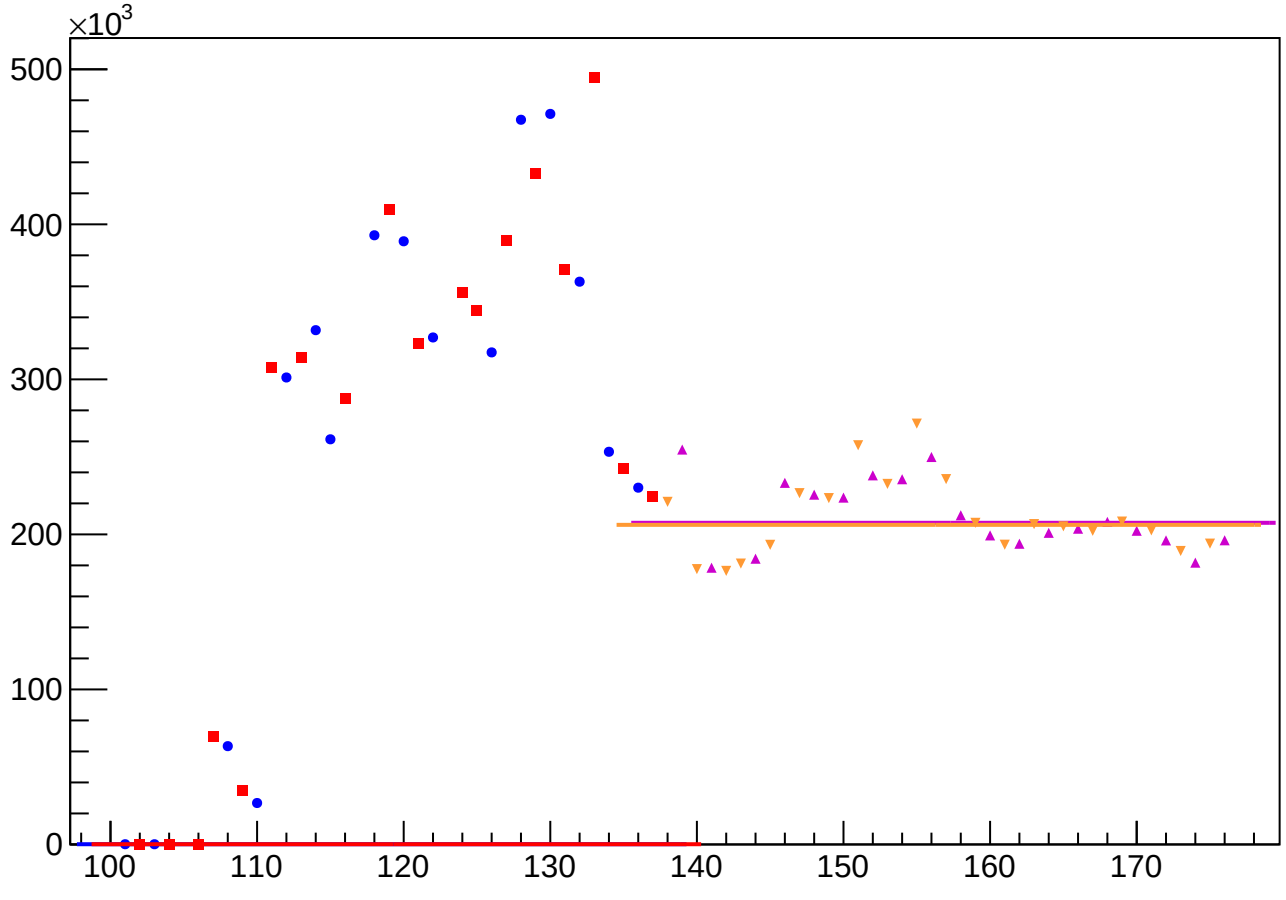
Left: -99.321+/-37.199 χ^2/NDF: 95.9/38

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.034+/-0.172 χ^2/NDF:41.9/34

Out: 0.353+/-0.160 χ^2/NDF:95.8/38

All: 0.173+/-0.117 χ^2/NDF: 140.4/73



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206159.881+/-36.916 χ^2/NDF:371928.7/19

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 207477.740+/-37.489 χ^2/NDF:333071.6/18

Left: 206808.676+/-26.304 χ^2/NDF: 705627.7/38

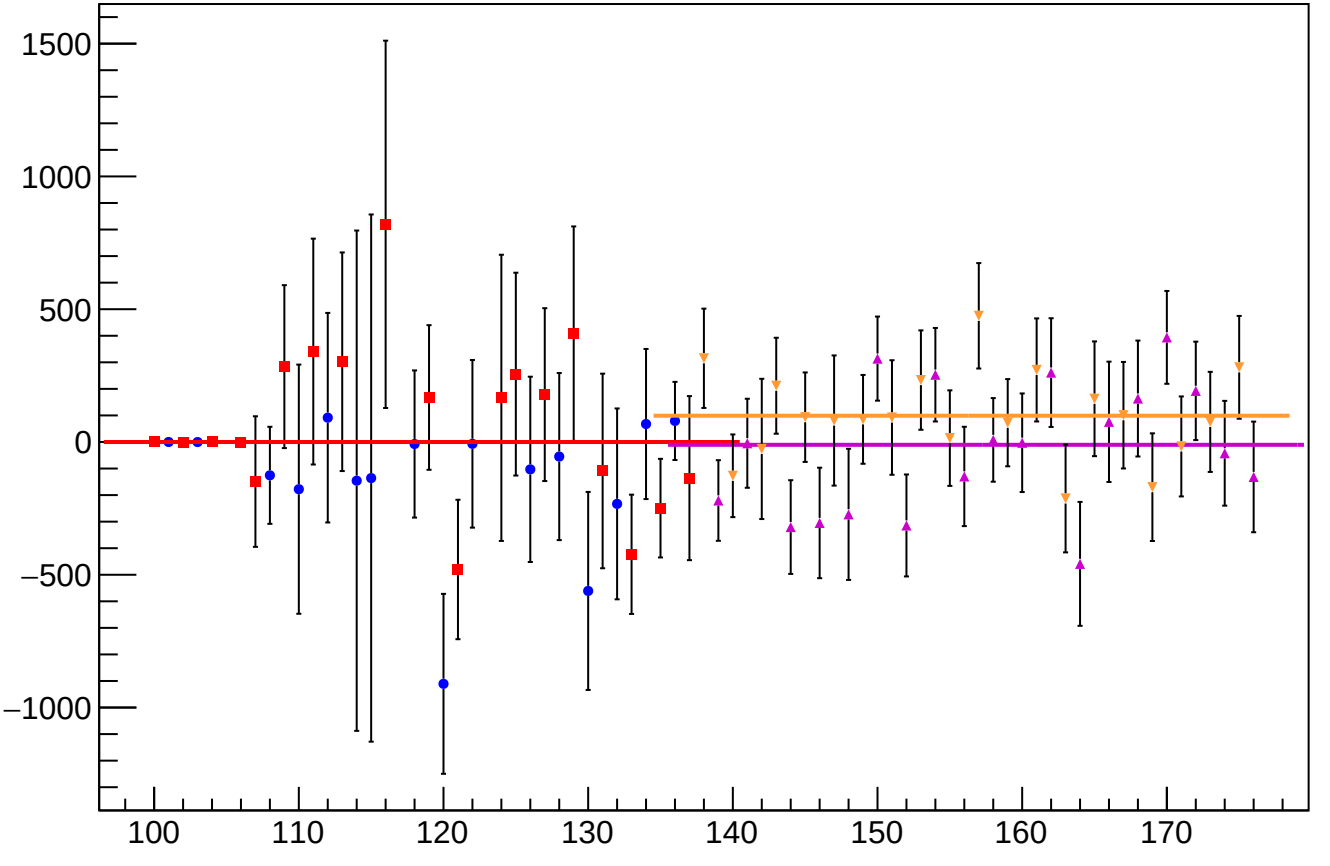
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.281+/-0.122 χ^2/NDF:42220458.2/34

Out: 151.317+/-0.113 χ^2/NDF:42801854.5/37

All: 151.300+/-0.083 χ^2/NDF: 85022312.8/72

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 98.957+/-42.627 χ^2/NDF:14.7/19

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -10.640+/-42.988 χ^2/NDF:30.7/18

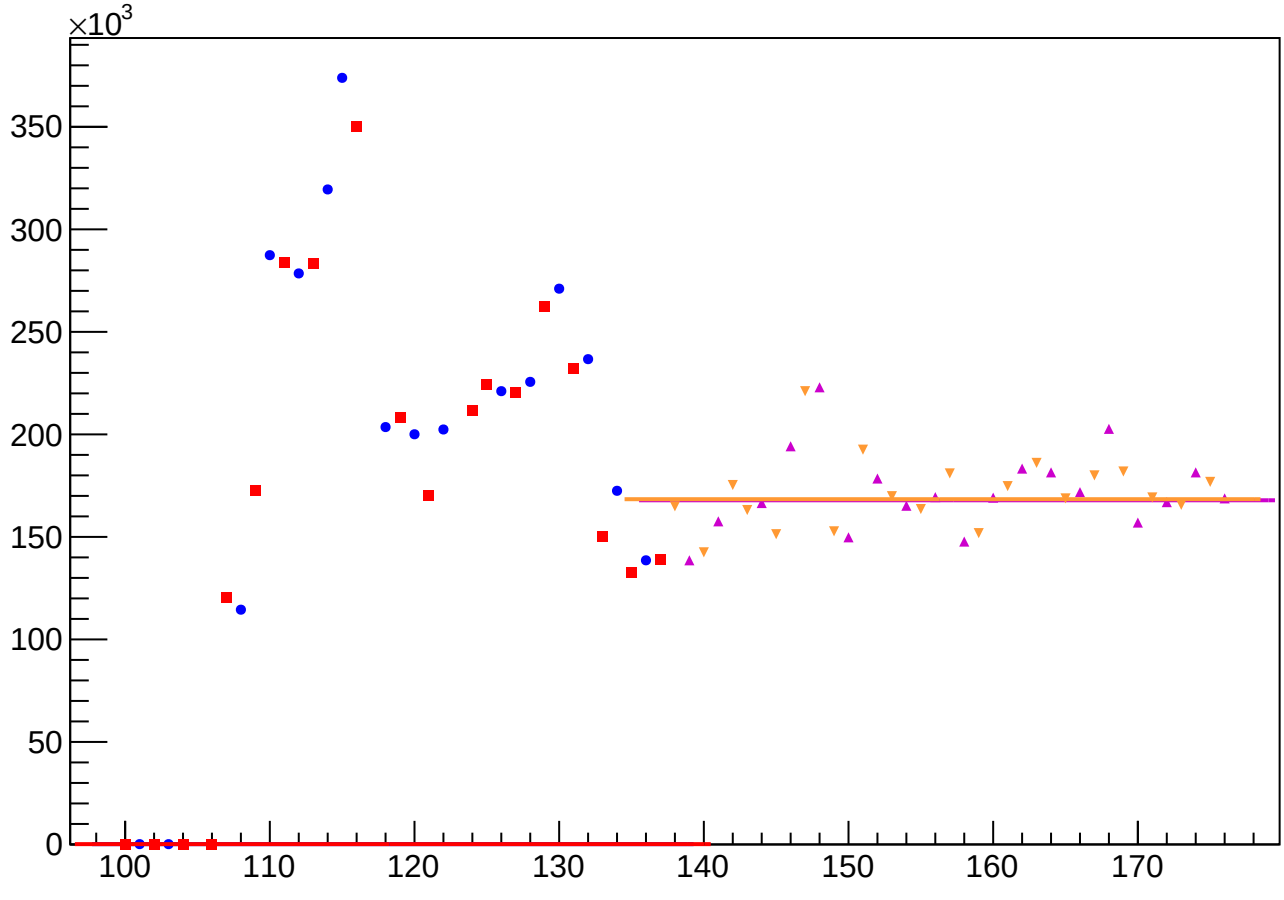
Left: 44.620+/-30.269 χ^2/NDF: 48.6/38

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:41.9/34

Out: -0.124+/-0.166 χ^2/NDF:35.3/38

All: -0.098+/-0.121 χ^2/NDF: 77.3/73



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168390.613+/-30.142 χ^2/NDF:281891.8/19

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167864.543+/-30.397 χ^2/NDF:366340.5/18

Left: 168129.794+/-21.403 χ^2/NDF: 648383.4/38

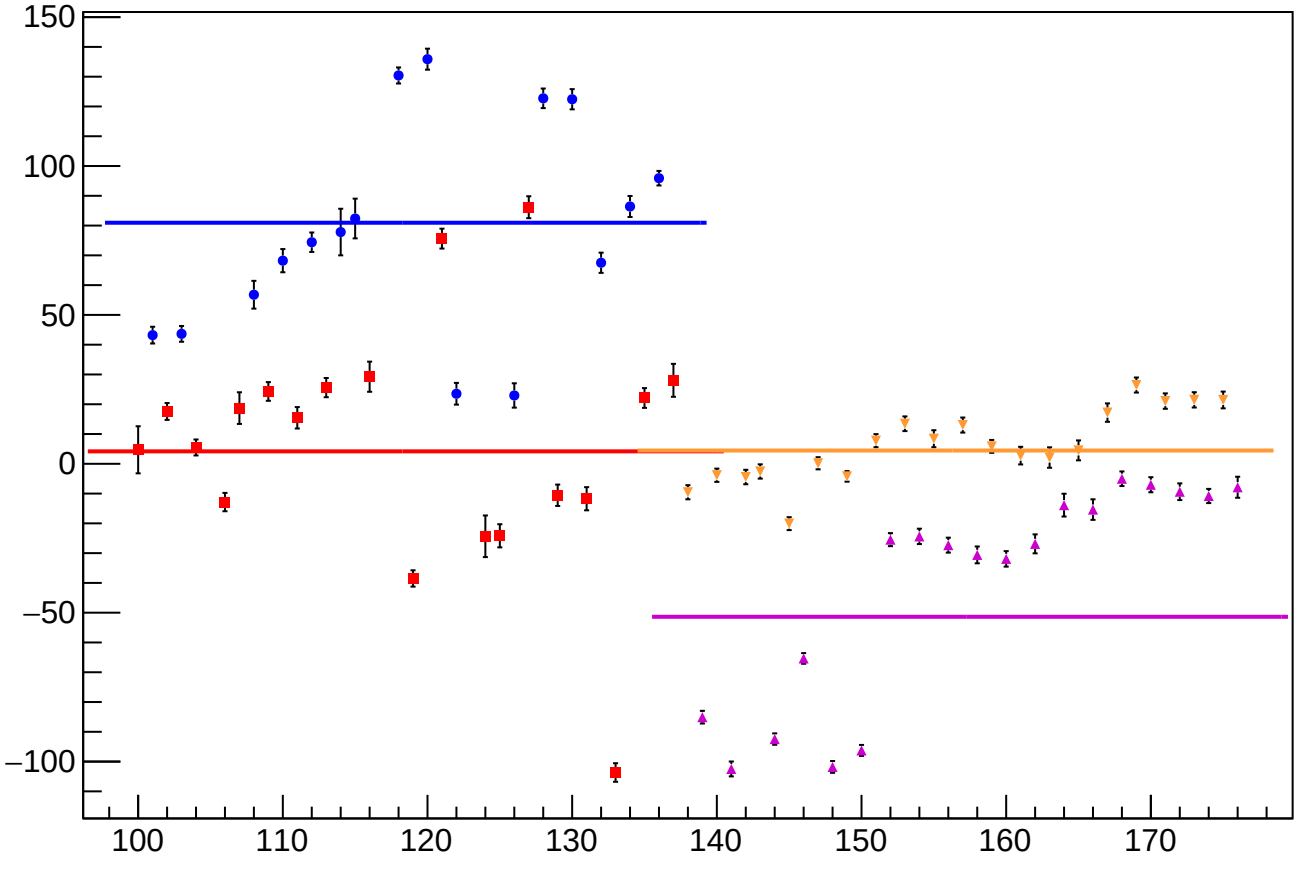
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.311+/-0.125 χ^2/NDF:42712186.5/34

Out: 158.724+/-0.118 χ^2/NDF:42764527.0/38

All: 157.593+/-0.086 χ^2/NDF: 85476910.5/73

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.461+/-0.548 χ^2/NDF:471.3/19

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -51.376+/-0.554 χ^2/NDF:4475.4/18

Left: -23.168+/-0.390 χ^2/NDF: 10080.9/38

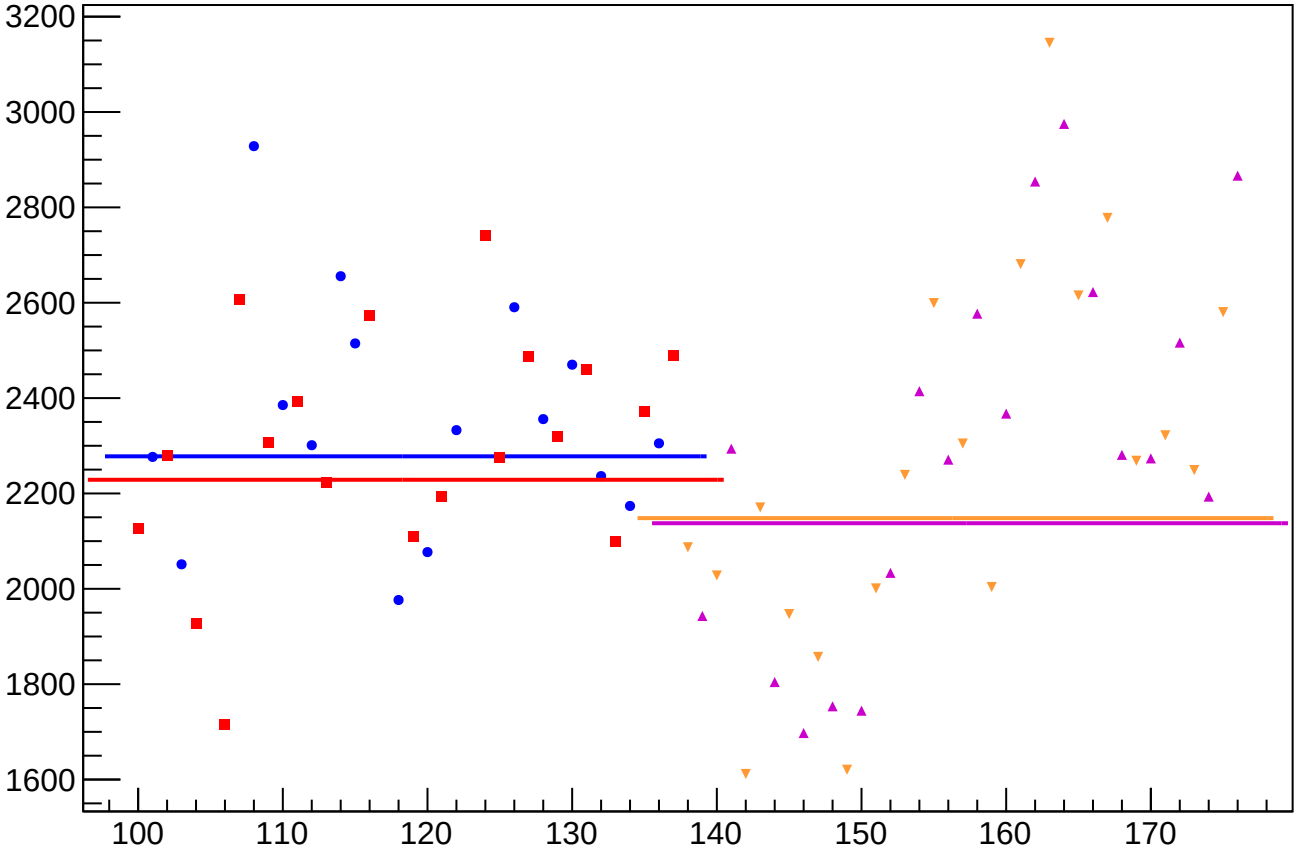
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.030+/-0.464 χ^2/NDF:23262.1/34

Out: 4.375+/-0.456 χ^2/NDF:3191.1/38

All: -3.675+/-0.325 χ^2/NDF: 27089.0/73

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2148.248+/-0.388 χ^2/NDF:835543.0/19

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2137.544+/-0.392 χ^2/NDF:840841.9/18

Left: 2142.951+/-0.275 χ^2/NDF: 1676762.3/38

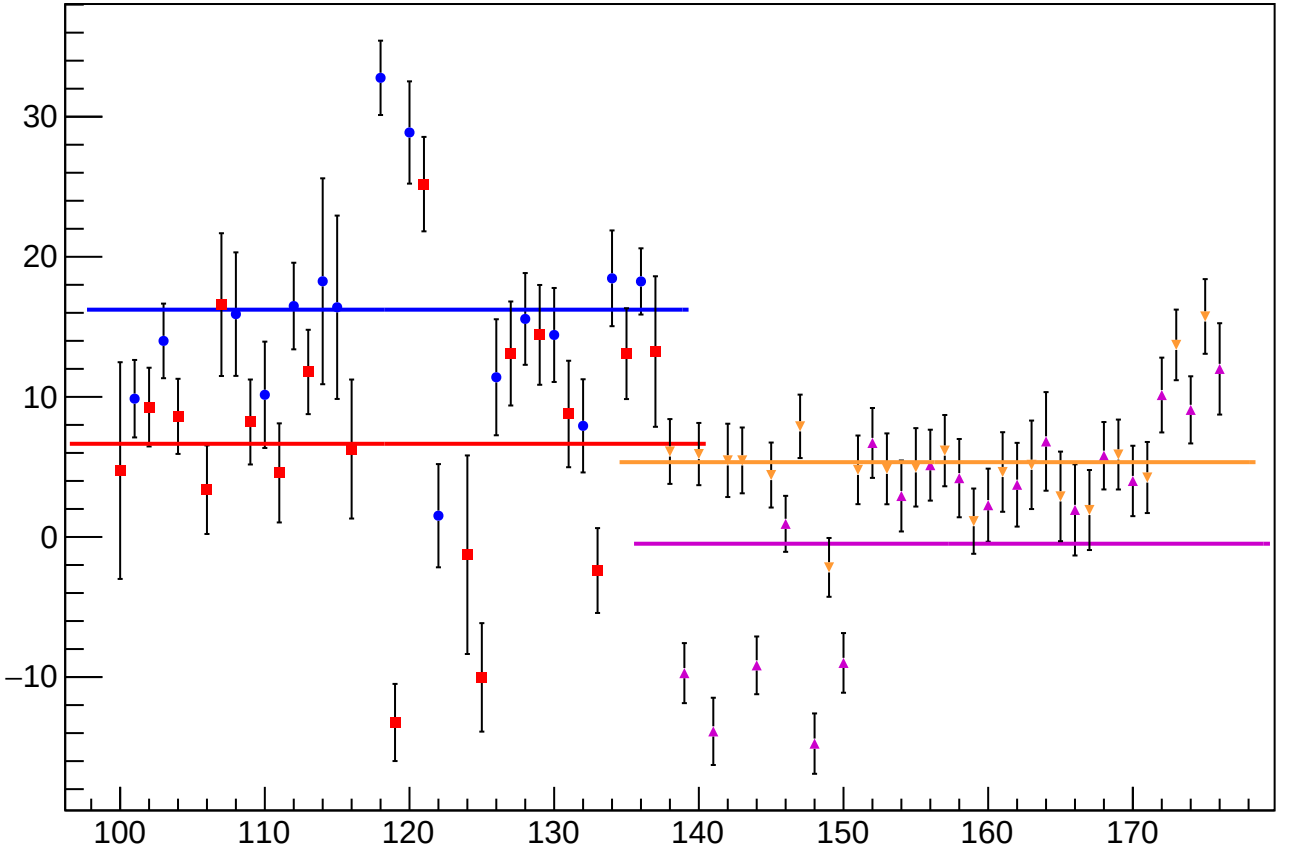
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2179.266+/-0.328 χ^2/NDF:994782.9/34

Out: 2173.089+/-0.322 χ^2/NDF:999978.6/38

All: 2176.120+/-0.230 χ^2/NDF: 1994941.8/73

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.340+/-0.561 χ^2/NDF:46.5/19

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.481+/-0.569 χ^2/NDF:209.9/18

Left: 2.469+/-0.400 χ^2/NDF: 309.4/38

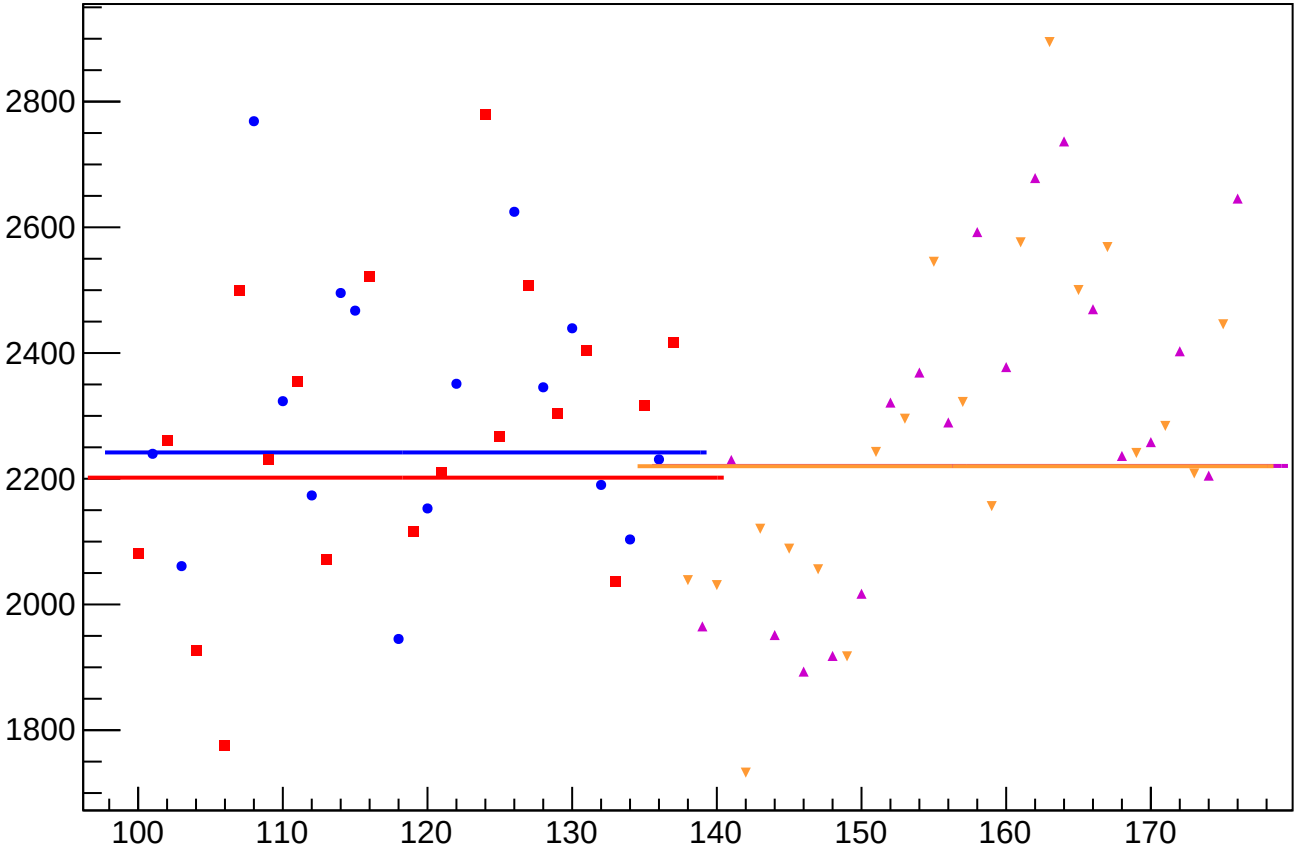
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.796+/-0.471 χ^2/NDF:566.7/34

Out: 5.767+/-0.461 χ^2/NDF:182.8/38

All: 5.291+/-0.329 χ^2/NDF: 751.6/73

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2219.940+/-0.397 χ^2/NDF:375567.3/19

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2220.376+/-0.402 χ^2/NDF:373754.9/18

Left: 2220.155+/-0.283 χ^2/NDF: 749322.8/38

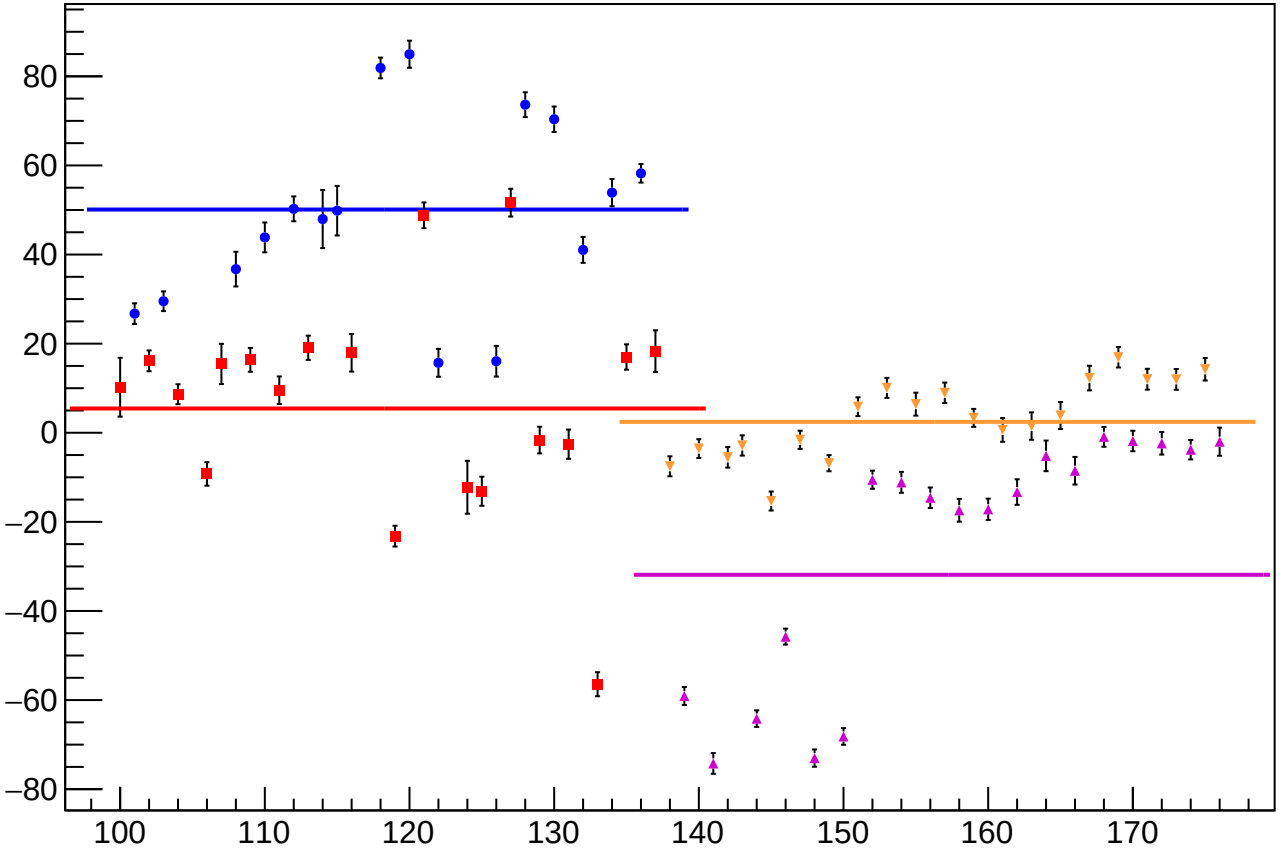
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2227.160+/-0.333 χ^2/NDF:476915.2/34

Out: 2214.027+/-0.326 χ^2/NDF:506132.8/38

All: 2220.460+/-0.233 χ^2/NDF: 983842.1/73

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.445+/-0.515 χ^2/NDF:278.0/19

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -31.882+/-0.520 χ^2/NDF:2930.4/18

Left: -14.535+/-0.366 χ^2/NDF: 5408.5/38

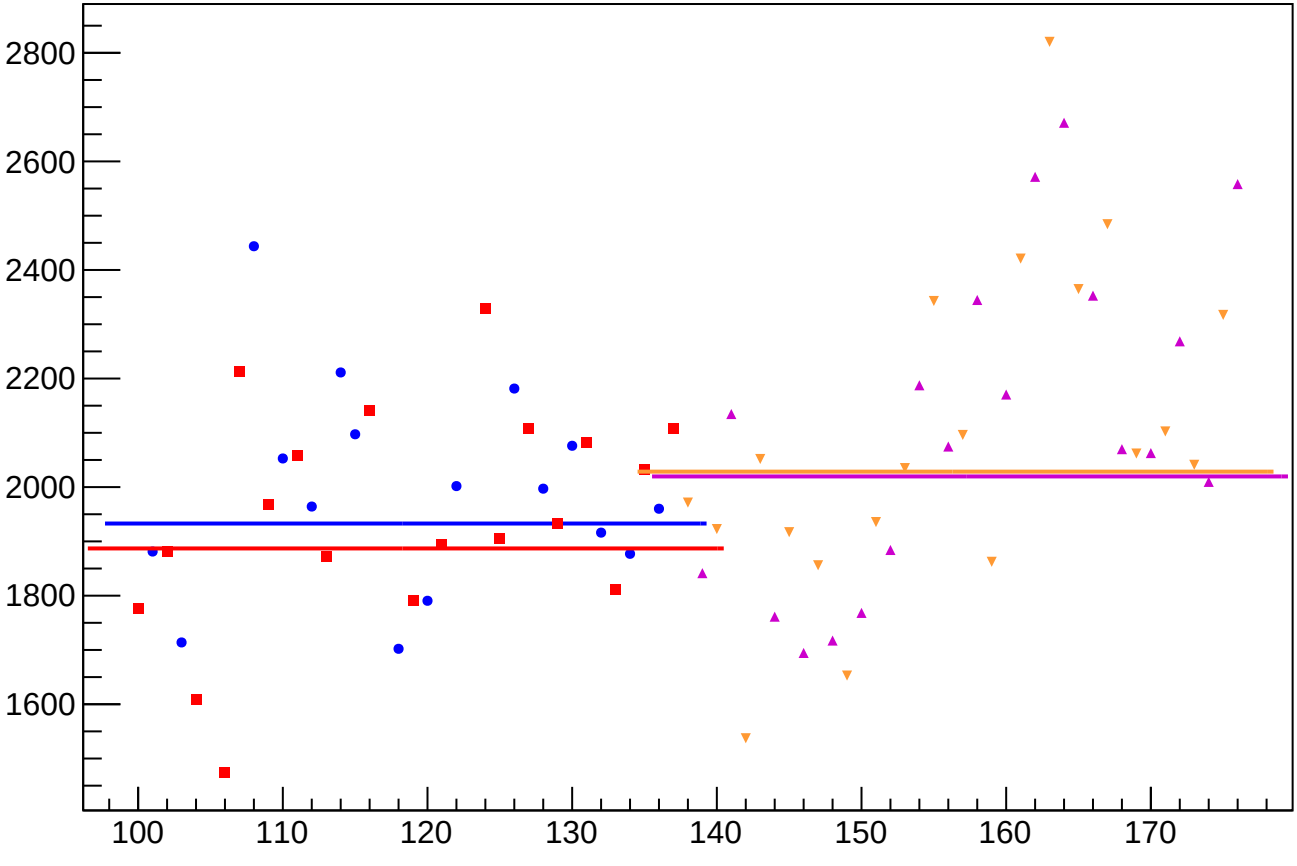
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.870+/-0.422 χ^2/NDF:12304.3/34

Out: 3.508+/-0.413 χ^2/NDF:1601.6/38

All: -0.104+/-0.295 χ^2/NDF: 14061.8/73

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2028.492+/-0.364 χ^2/NDF:533889.7/19

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2019.663+/-0.368 χ^2/NDF:518717.8/18

Left: 2024.125+/-0.259 χ^2/NDF: 1052898.6/38

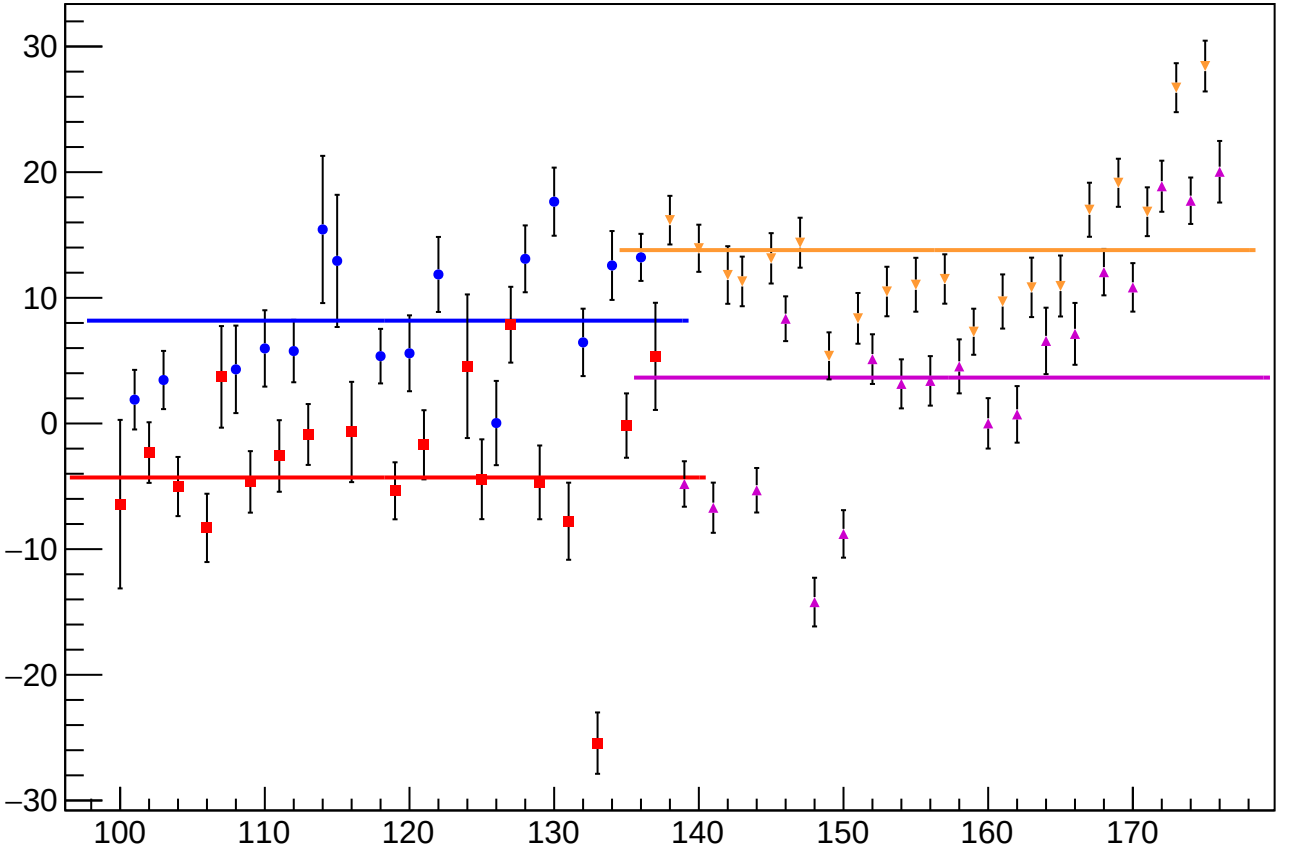
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1990.020+/-0.298 χ^2/NDF:643690.4/34

Out: 1978.310+/-0.292 χ^2/NDF:737238.3/38

All: 1984.044+/-0.209 χ^2/NDF: 1381714.2/73

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.797+/-0.452 χ^2/NDF:165.5/19

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 3.652+/-0.459 χ^2/NDF:412.0/18

Left: 8.800+/-0.322 χ^2/NDF: 825.4/38

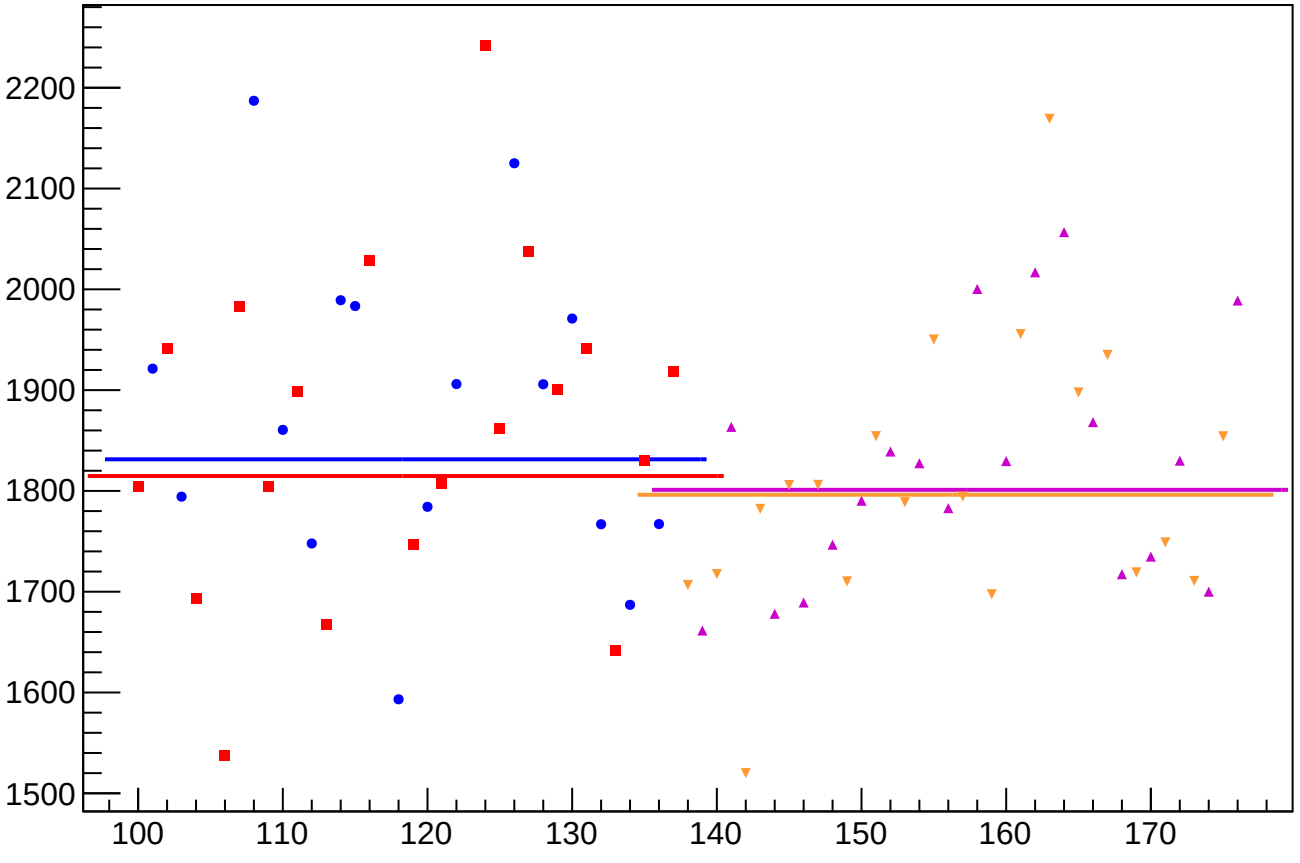
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.060+/-0.381 χ^2/NDF:494.2/34

Out: 8.081+/-0.374 χ^2/NDF:785.2/38

All: 6.598+/-0.267 χ^2/NDF: 1311.4/73

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1796.234+/-0.320 χ^2/NDF:141459.3/19

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1801.080+/-0.325 χ^2/NDF:115087.5/18

Left: 1798.621+/-0.228 χ^2/NDF: 256660.0/38

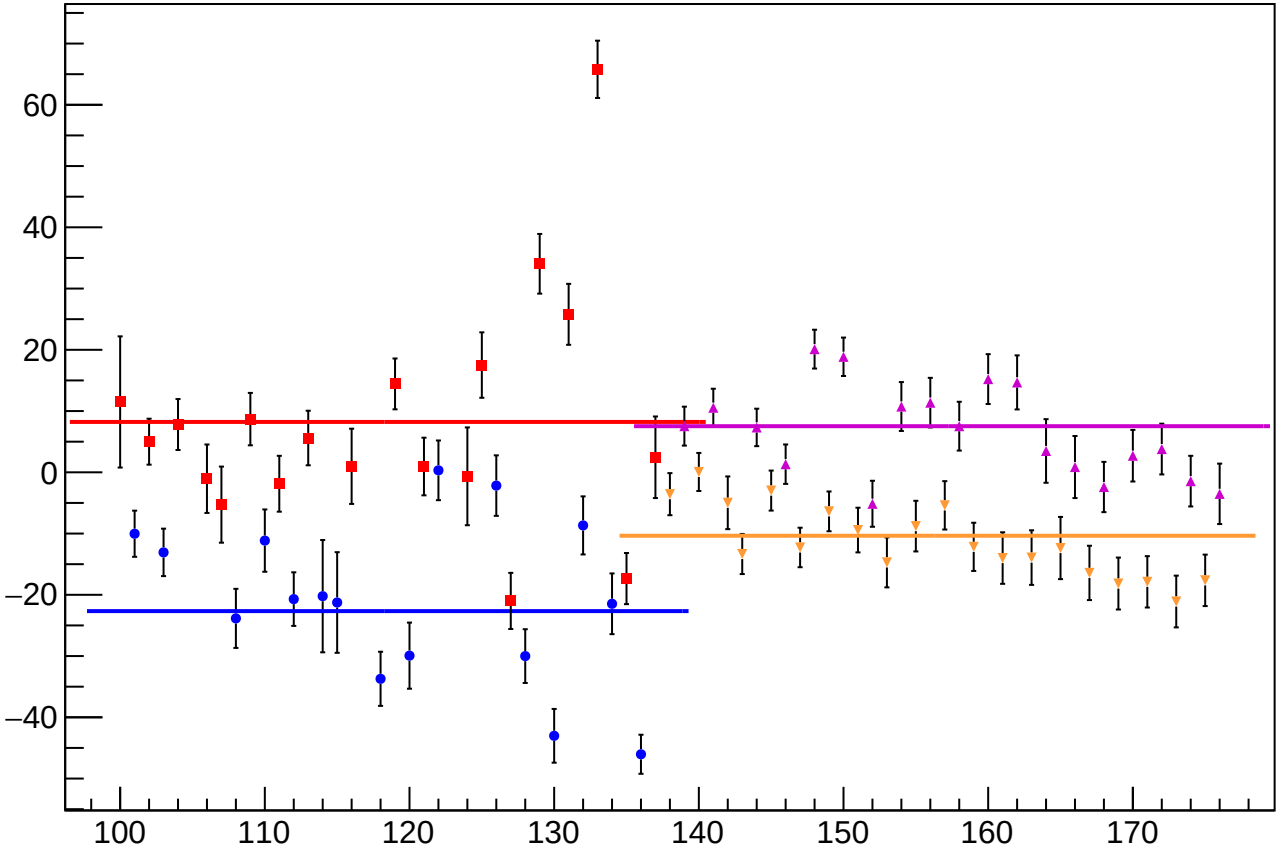
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.490+/-0.269 χ^2/NDF:204711.5/34

Out: 1802.091+/-0.264 χ^2/NDF:233259.9/38

All: 1806.213+/-0.189 χ^2/NDF: 438466.2/73

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.355+/-0.856 χ^2/NDF:47.1/19

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 7.530+/-0.868 χ^2/NDF:72.6/18

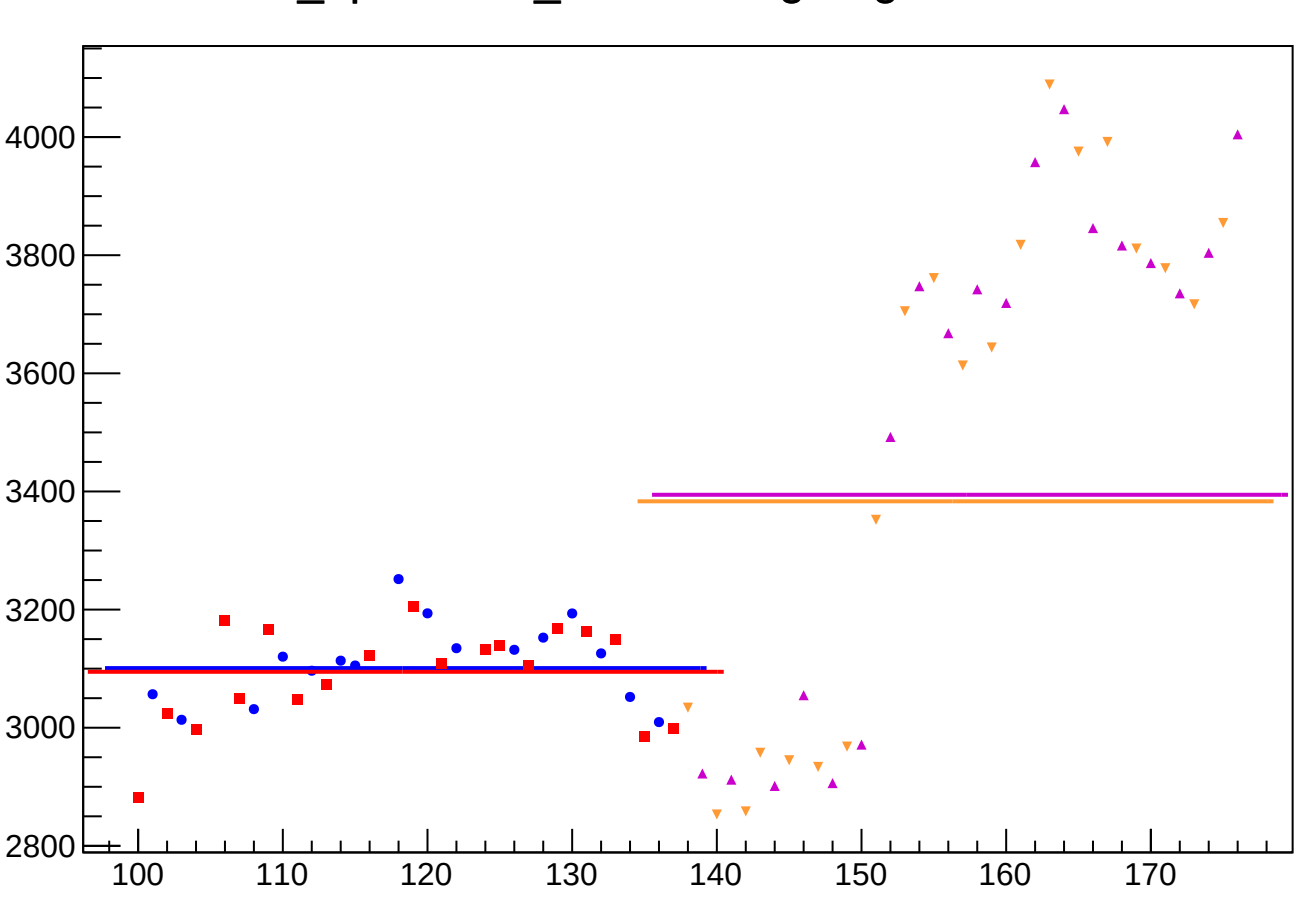
Left: -1.536+/-0.610 χ^2/NDF: 334.9/38

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.405+/-0.693 χ^2/NDF:668.0/34

Out: -3.570+/-0.682 χ^2/NDF:513.9/38

All: -3.489+/-0.486 χ^2/NDF: 1181.9/73



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3383.310+/-0.605 χ^2/NDF:506954.9/19

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3394.386+/-0.614 χ^2/NDF:487185.0/18

Left: 3388.772+/-0.431 χ^2/NDF: 994305.0/38

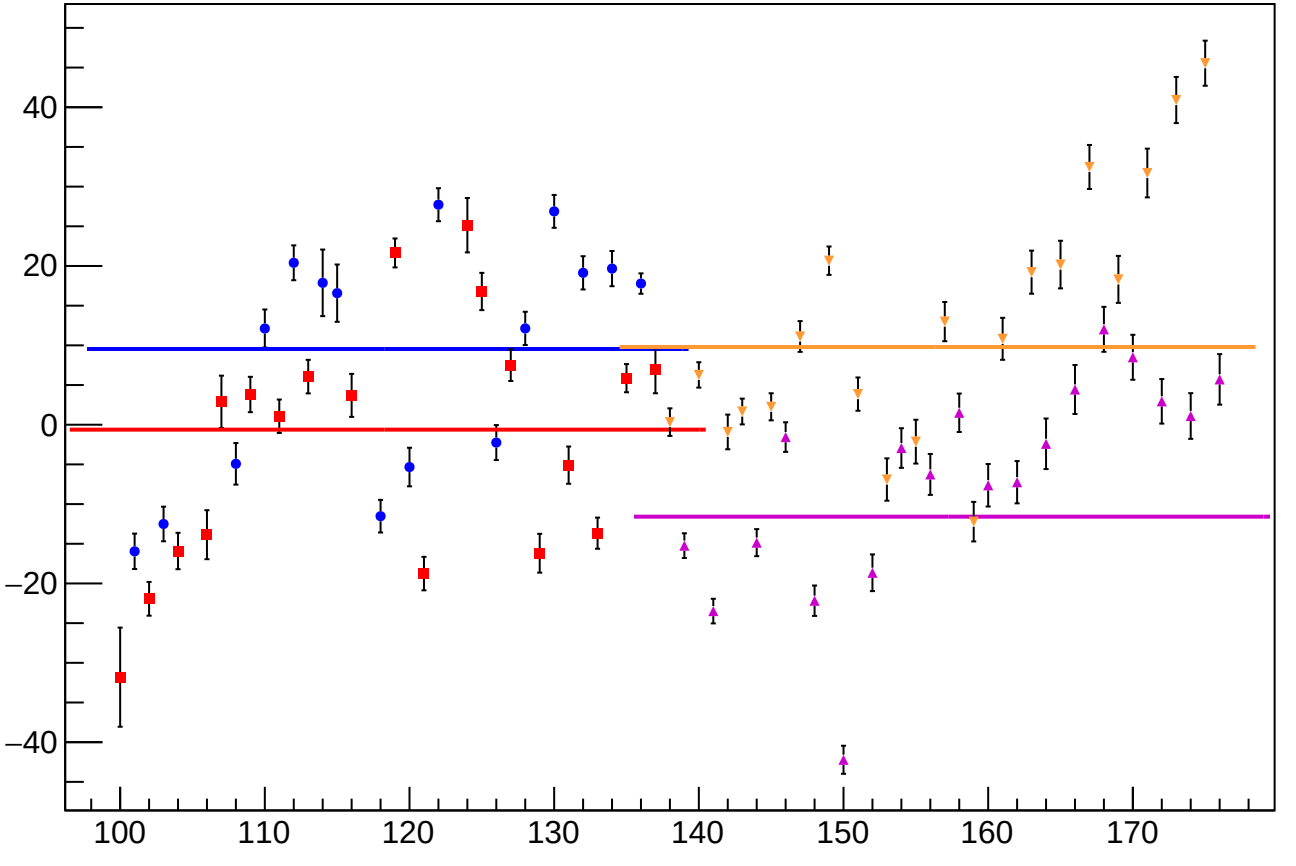
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3288.106+/-0.490 χ^2/NDF:577859.4/34

Out: 3277.914+/-0.482 χ^2/NDF:598545.6/38

All: 3282.928+/-0.344 χ^2/NDF: 1176624.7/73

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 9.791+/-0.497 χ^2/NDF:709.6/19

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -11.586+/-0.513 χ^2/NDF:718.3/18

Left: -0.569+/-0.357 χ^2/NDF: 2322.8/38

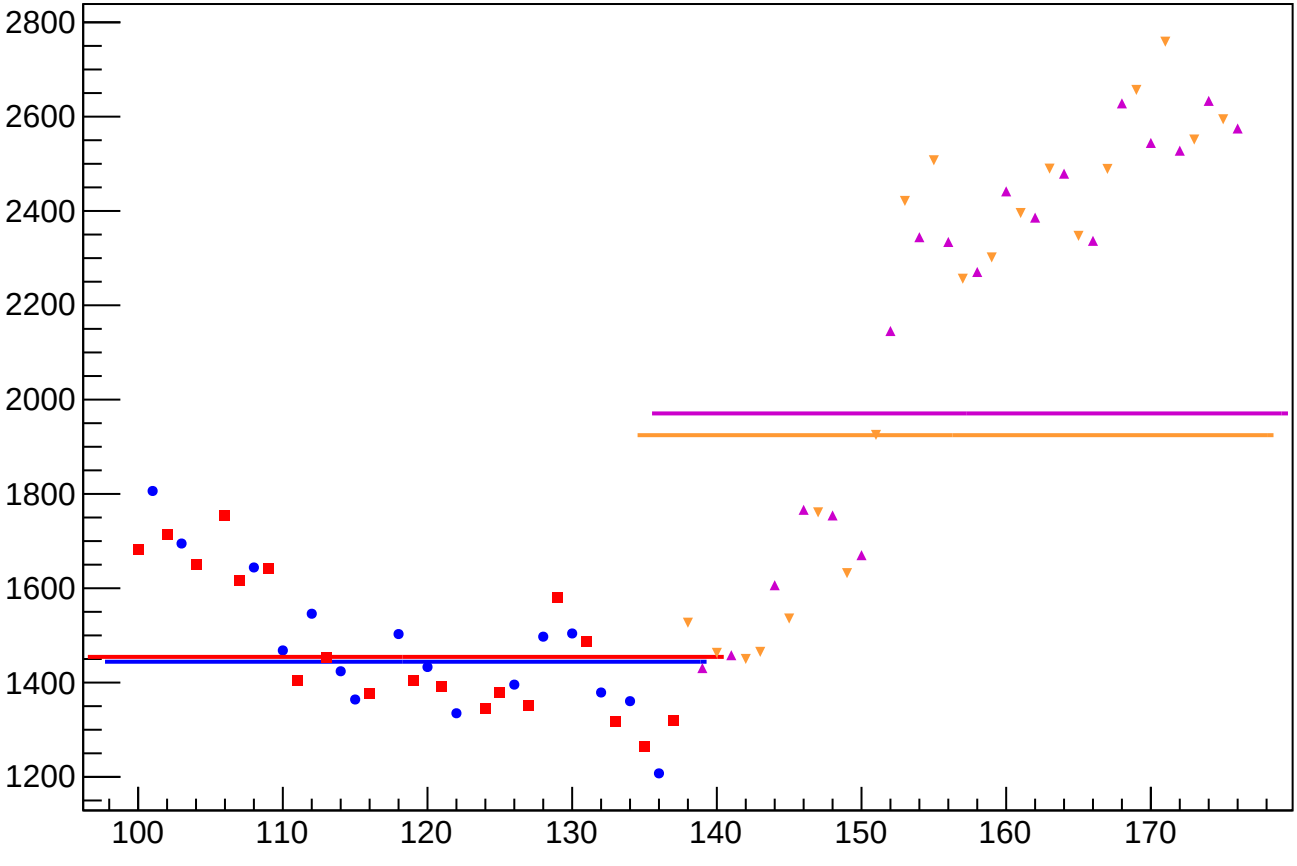
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.590+/-0.372 χ^2/NDF:2219.5/34

Out: 4.956+/-0.364 χ^2/NDF:1578.9/38

All: 1.757+/-0.260 χ^2/NDF: 3956.4/73

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1924.586+/-0.352 χ^2/NDF:1685218.3/19

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1970.704+/-0.363 χ^2/NDF:1420640.0/18

Left: 1946.936+/-0.253 χ^2/NDF: 3114189.8/38

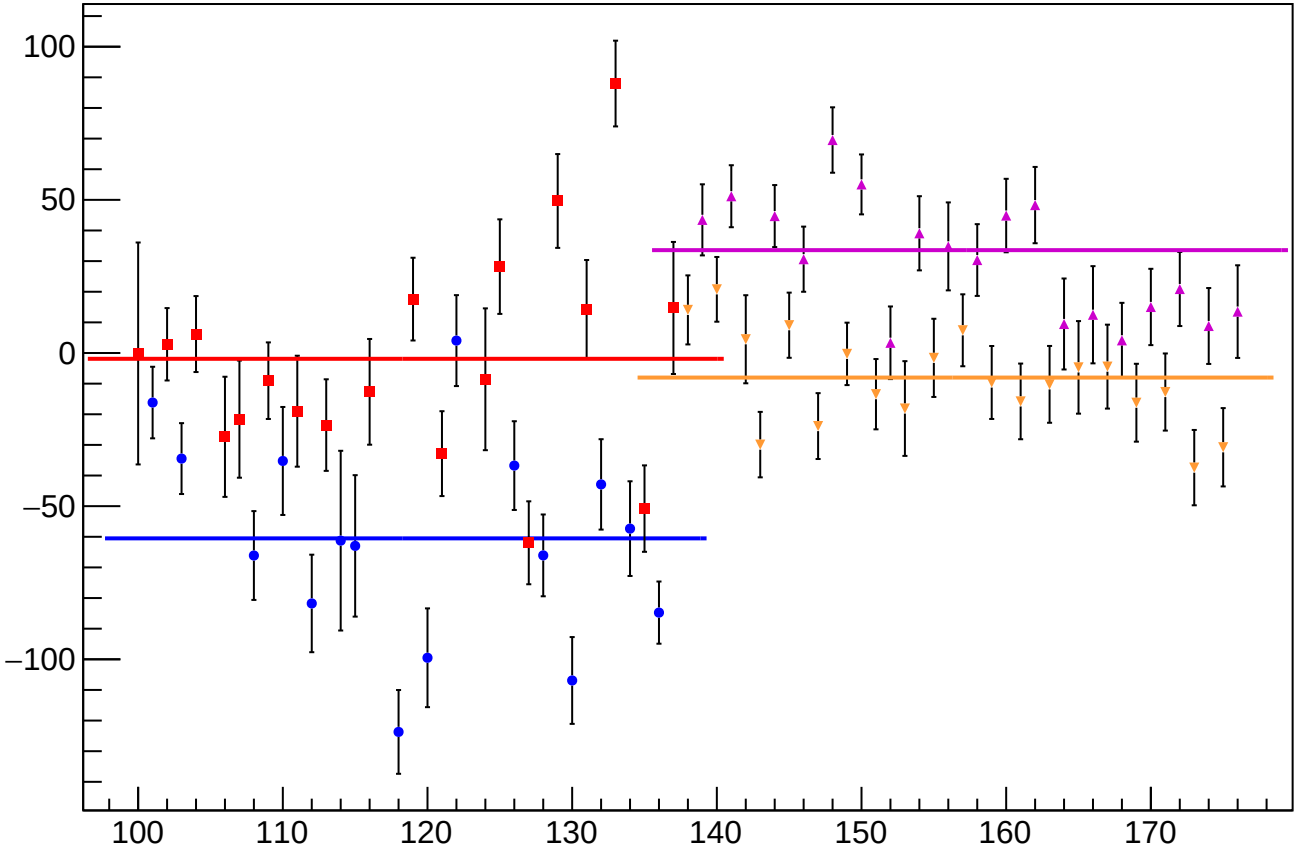
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1721.585+/-0.263 χ^2/NDF:2597718.7/34

Out: 1706.219+/-0.257 χ^2/NDF:2657732.0/38

All: 1713.728+/-0.184 χ^2/NDF: 5257192.3/73

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.018+/-2.696 χ^2/NDF:34.2/19

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 33.583+/-2.734 χ^2/NDF:49.5/18

Left: 12.494+/-1.920 χ^2/NDF: 201.1/38

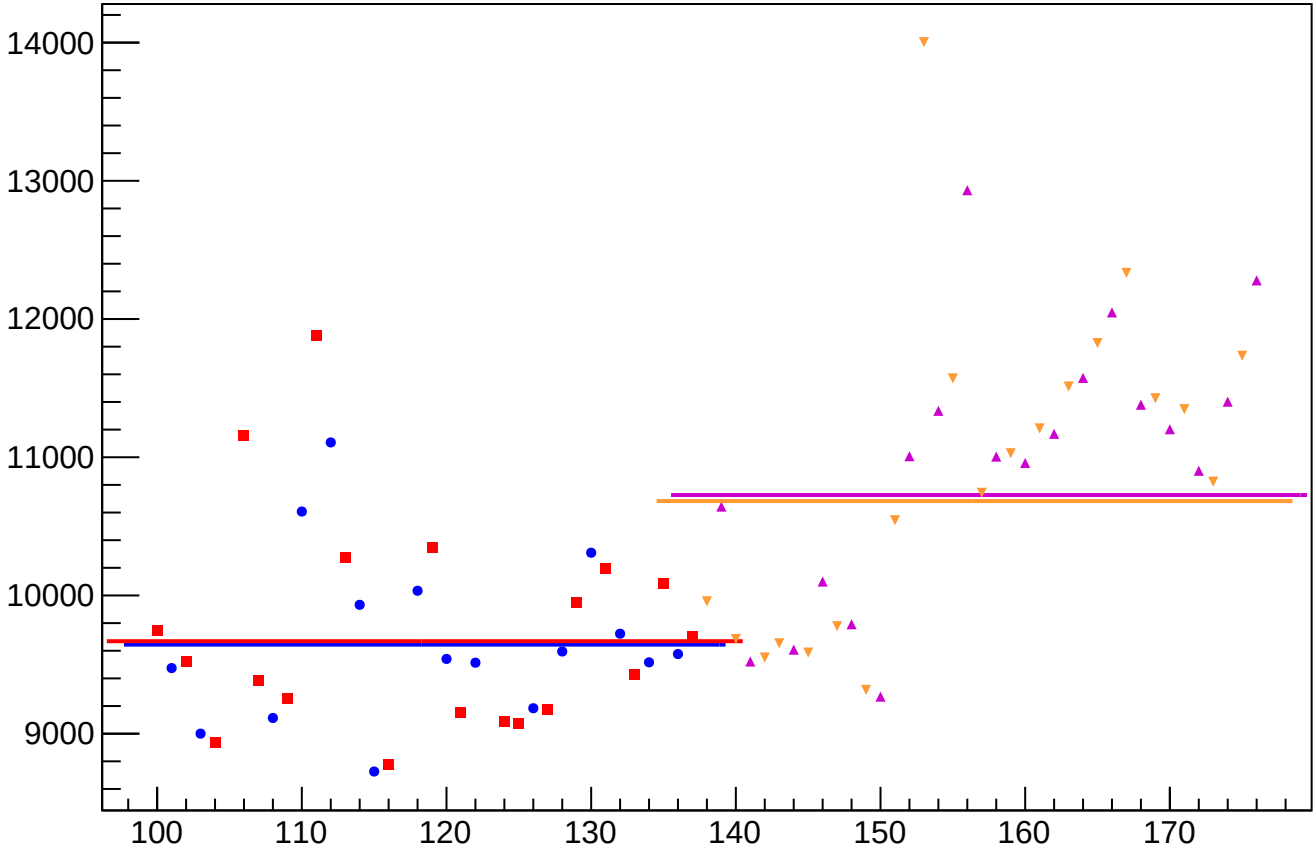
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -0.878+/-2.176 χ^2/NDF:573.8/34

Out: -5.772+/-2.145 χ^2/NDF:139.9/38

All: -3.360+/-1.528 χ^2/NDF: 716.3/73

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10682.990+/-1.906 χ^2/NDF:311335.2/19

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10726.640+/-1.933 χ^2/NDF:233760.3/18

Left: 10704.512+/-1.357 χ^2/NDF: 545354.0/38

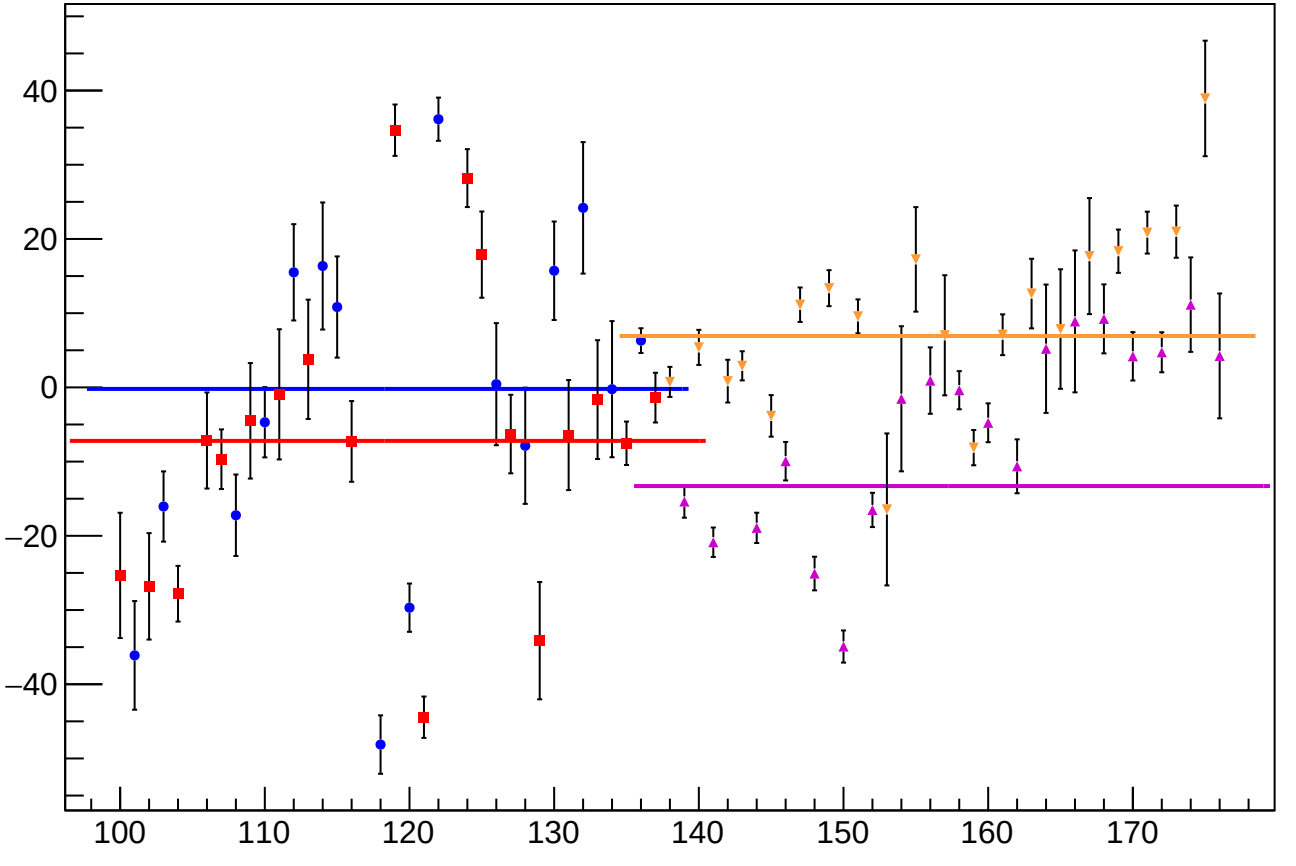
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10330.302+/-1.539 χ^2/NDF:392655.9/34

Out: 10311.192+/-1.517 χ^2/NDF:494936.9/38

All: 10320.611+/-1.080 χ^2/NDF: 887671.0/73

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.928+/-0.667 χ^2/NDF:168.4/19

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.294+/-0.671 χ^2/NDF:327.4/18

Left: -3.126+/-0.473 χ^2/NDF: 953.0/38

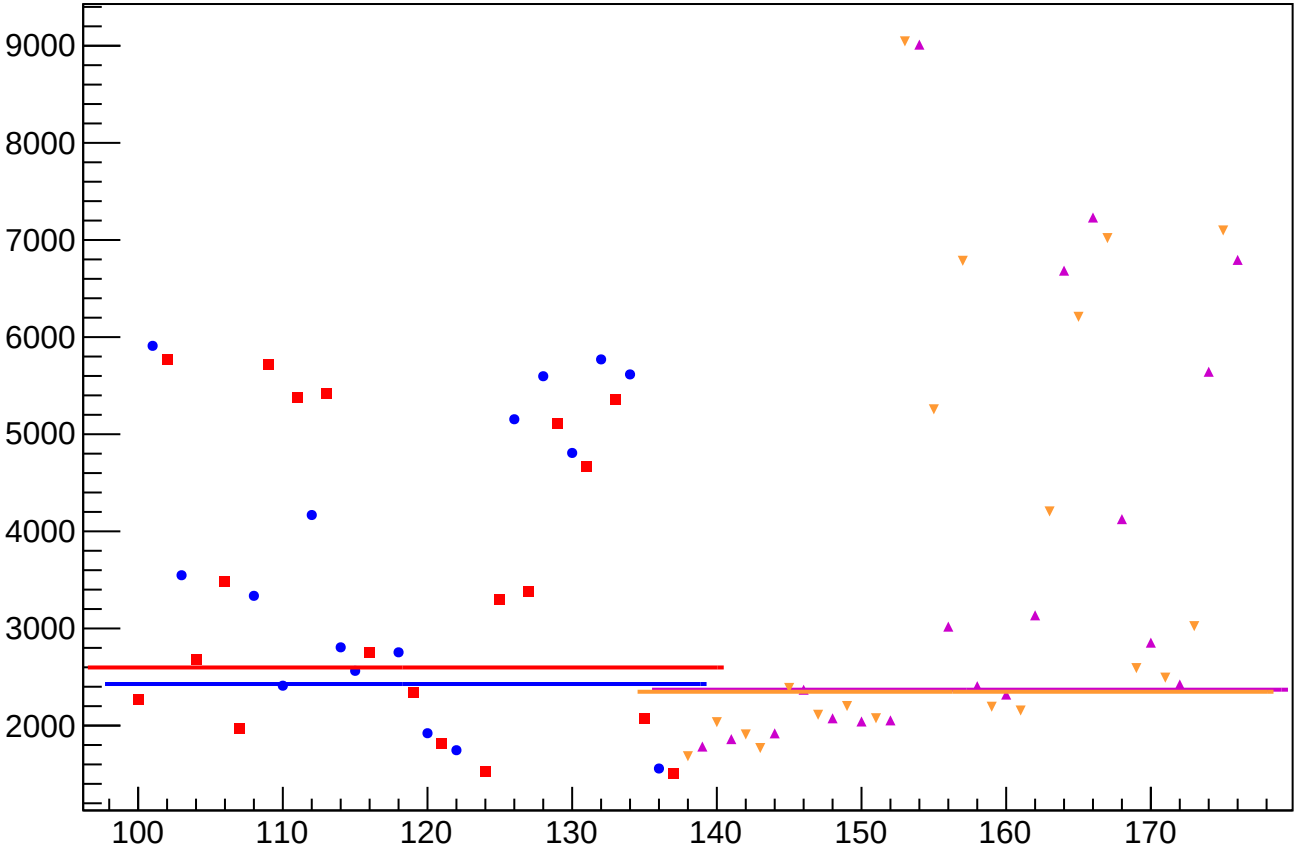
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.478+/-0.564 χ^2/NDF:912.2/34

Out: 2.993+/-0.566 χ^2/NDF:779.1/38

All: -3.265+/-0.400 χ^2/NDF: 1934.5/73

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2348.359+/-0.472 χ^2/NDF:4668879.2/19

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2369.528+/-0.474 χ^2/NDF:3972825.0/18

Left: 2358.883+/-0.334 χ^2/NDF: 8642706.3/38

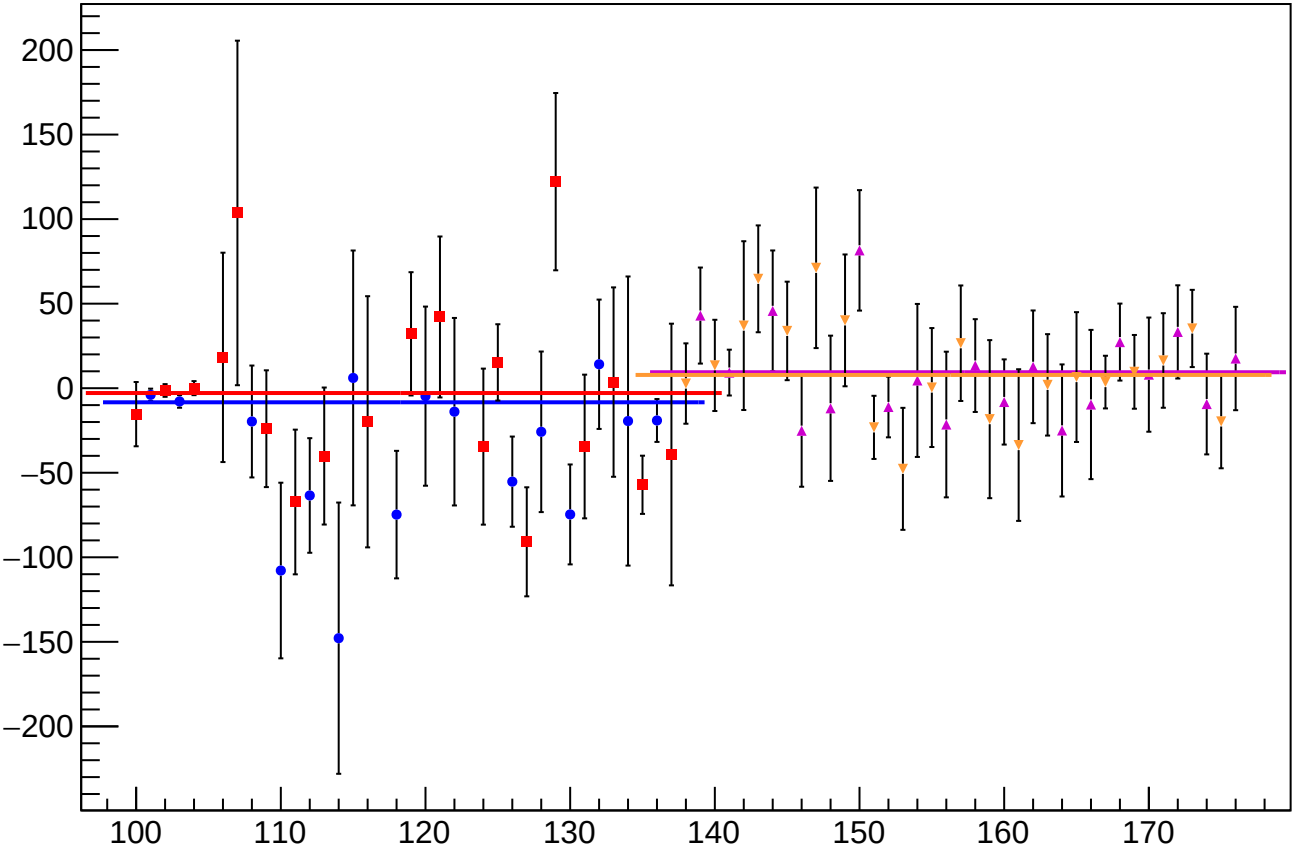
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2386.600+/-0.399 χ^2/NDF:6792605.3/34

Out: 2417.945+/-0.401 χ^2/NDF:7262043.0/38

All: 2402.217+/-0.283 χ^2/NDF: 14057721.0/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.851+/-6.250 χ^2/NDF:16.2/19

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.444+/-6.308 χ^2/NDF:13.0/18

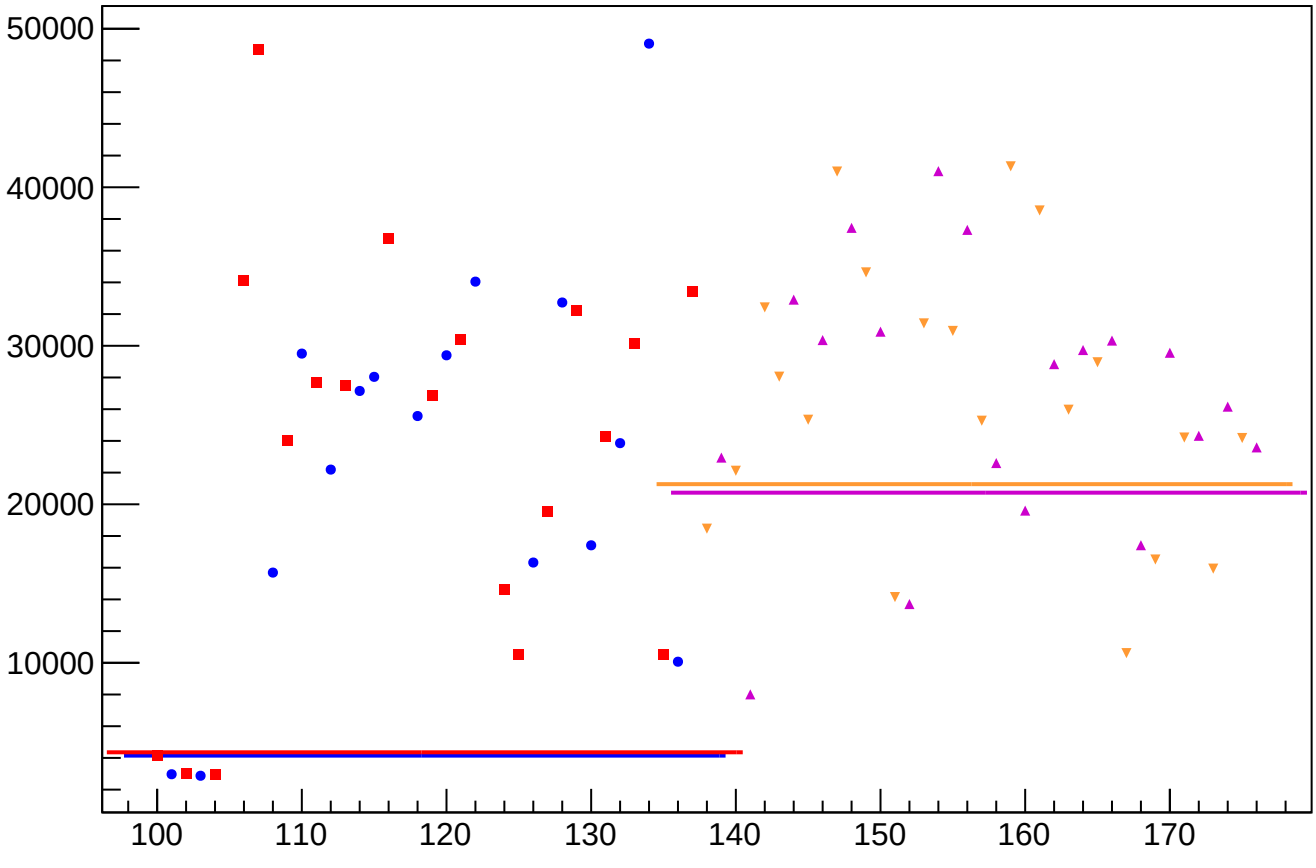
Left: 8.640+/-4.440 χ^2/NDF: 29.3/38

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.920+/-2.324 χ^2/NDF:43.3/34

Out: -1.229+/-2.432 χ^2/NDF:51.3/38

All: -3.681+/-1.680 χ^2/NDF: 96.6/73



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21270.861+/-4.420 χ^2/NDF:3447399.7/19

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20733.264+/-4.461 χ^2/NDF:4275595.8/18

Left: 21004.540+/-3.140 χ^2/NDF: 7730325.1/38

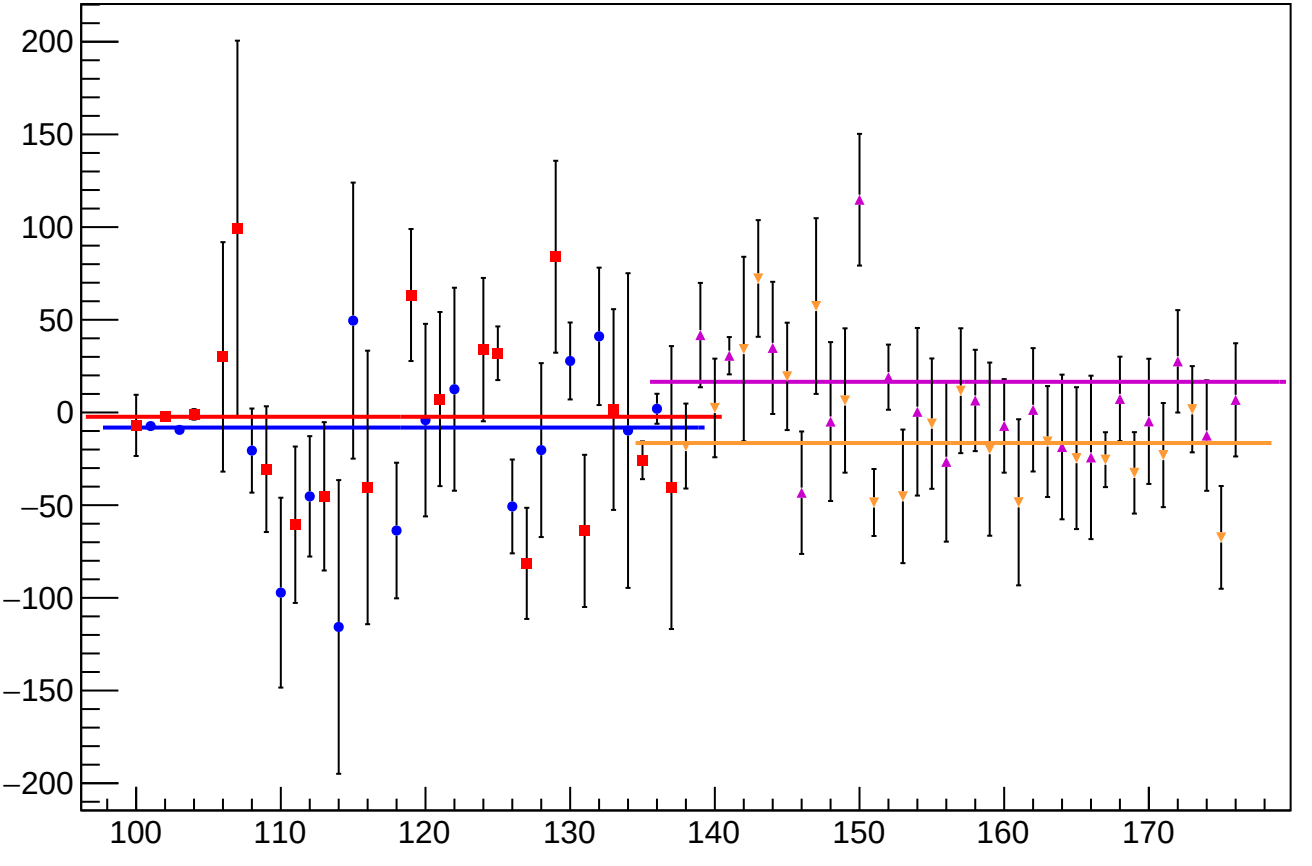
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6396.417+/-1.643 χ^2/NDF:23064826.6/34

Out: 6914.746+/-1.719 χ^2/NDF:23504896.2/38

All: 6643.817+/-1.188 χ^2/NDF: 46617223.4/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -16.469+/-6.159 χ^2/NDF:23.9/19

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 16.539+/-5.799 χ^2/NDF:20.0/18

Left: 1.029+/-4.222 χ^2/NDF: 59.1/38

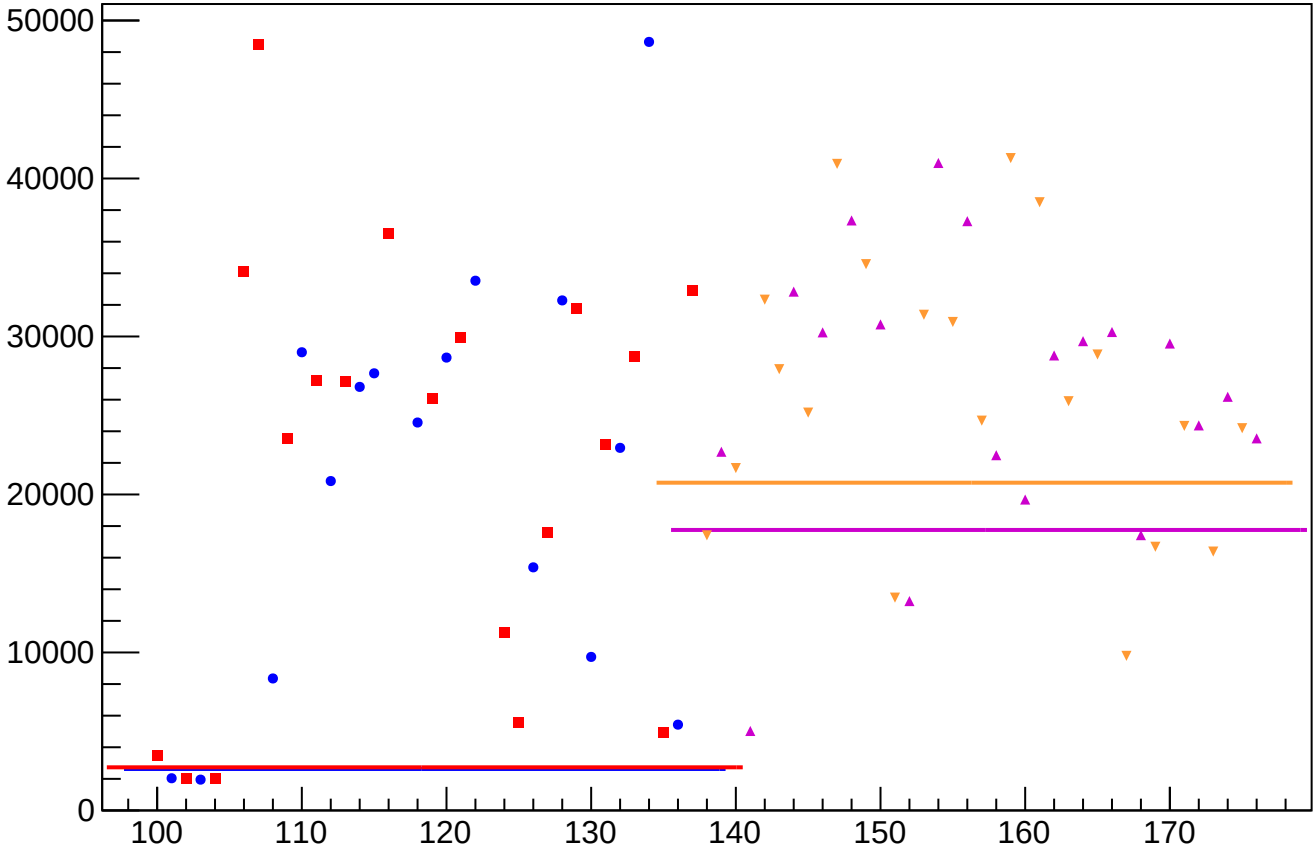
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.137+/-1.649 χ^2/NDF:55.8/34

Out: -3.462+/-1.747 χ^2/NDF:61.8/38

All: -4.876+/-1.199 χ^2/NDF: 118.8/73

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20745.874+/-4.355 χ^2/NDF:3760612.7/19

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17754.176+/-4.100 χ^2/NDF:6893144.4/18

Left: 19159.945+/-2.986 χ^2/NDF: 10903884.0/38

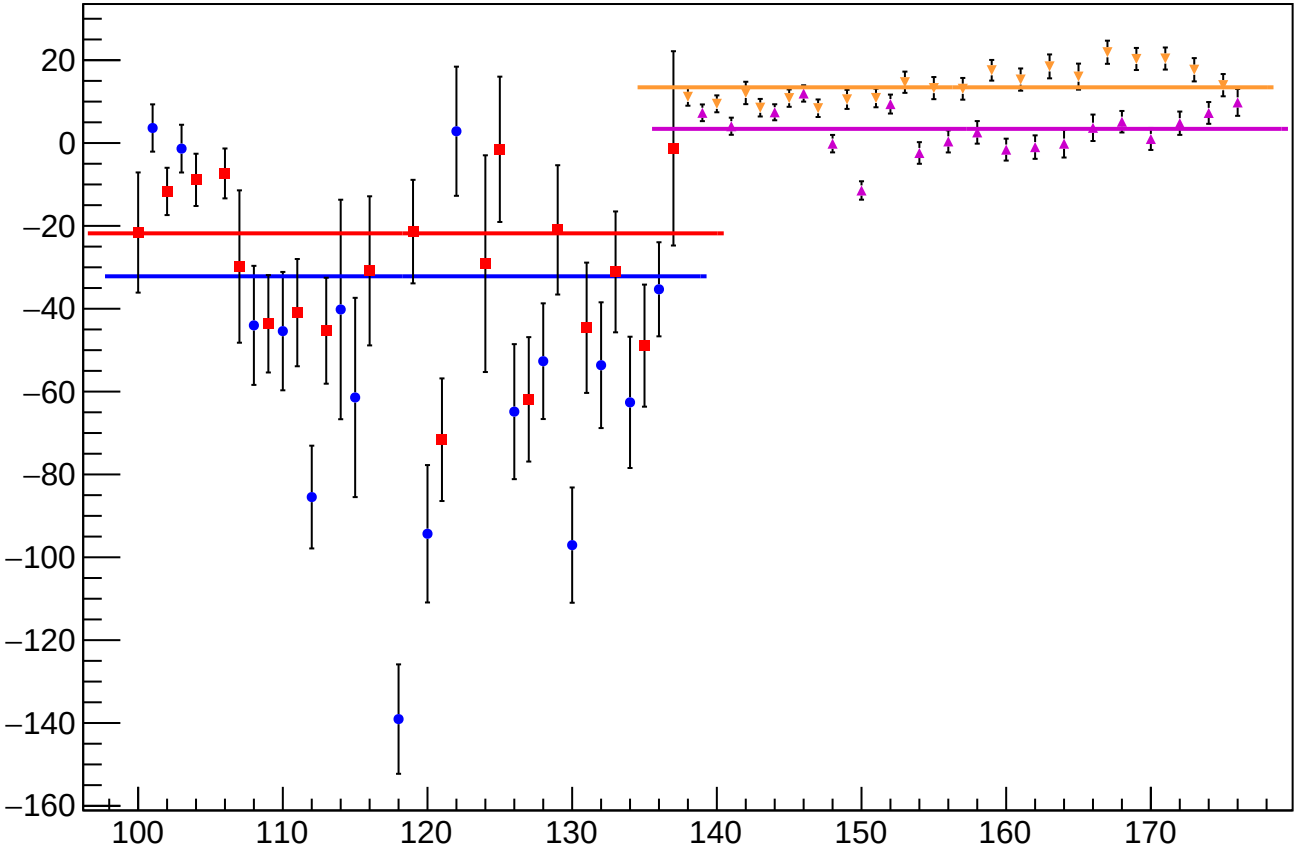
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3850.179+/-1.166 χ^2/NDF:26183604.8/34

Out: 4179.326+/-1.235 χ^2/NDF:27480654.2/38

All: 4005.309+/-0.848 χ^2/NDF: 53701799.0/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.451+/-0.551 χ^2/NDF:52.8/19

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.420+/-0.563 χ^2/NDF:102.5/18

Left: 8.540+/-0.394 χ^2/NDF: 317.4/38

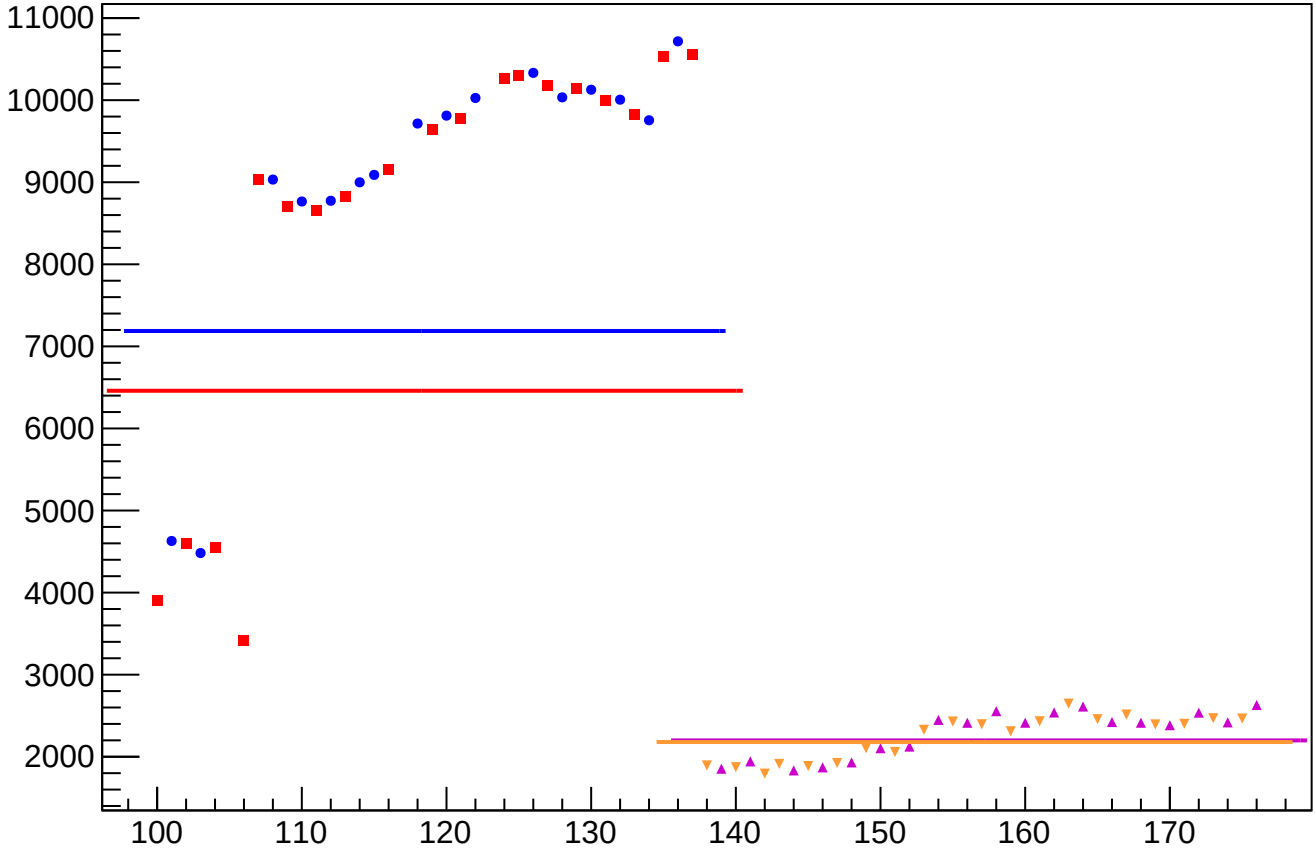
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.076+/-0.552 χ^2/NDF:461.2/34

Out: 11.886+/-0.539 χ^2/NDF:283.5/38

All: 7.100+/-0.386 χ^2/NDF: 906.3/73

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2179.538+/-0.390 χ^2/NDF:458305.9/19

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2199.135+/-0.398 χ^2/NDF:503849.3/18

Left: 2189.133+/-0.279 χ^2/NDF: 963392.4/38

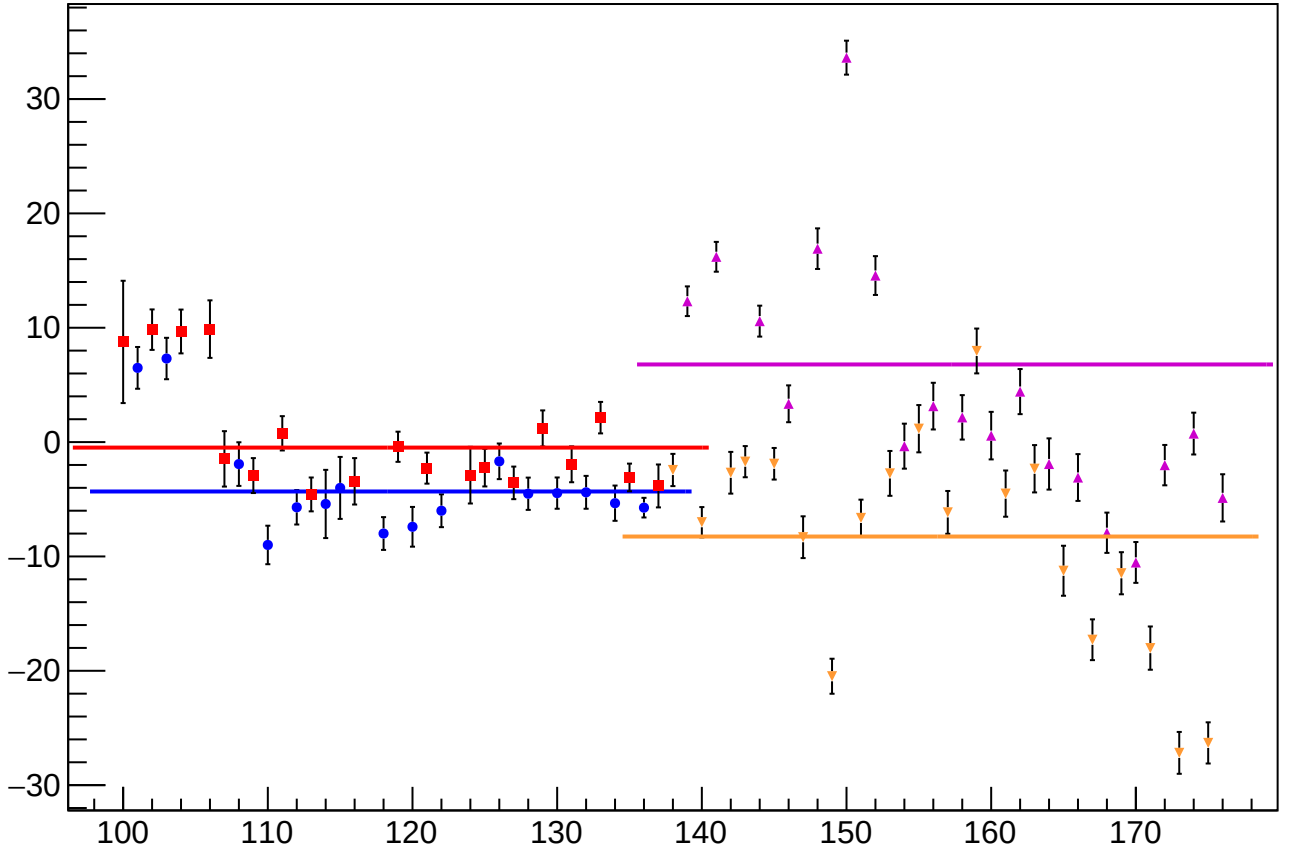
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2387.449+/-0.390 χ^2/NDF:8139652.9/34

Out: 2369.612+/-0.381 χ^2/NDF:8087330.8/38

All: 2378.315+/-0.273 χ^2/NDF: 16228052.5/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -8.259+/-0.384 χ^2/NDF:510.9/19

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 6.790+/-0.395 χ^2/NDF:764.8/18

Left: -0.944+/-0.275 χ^2/NDF: 2021.8/38

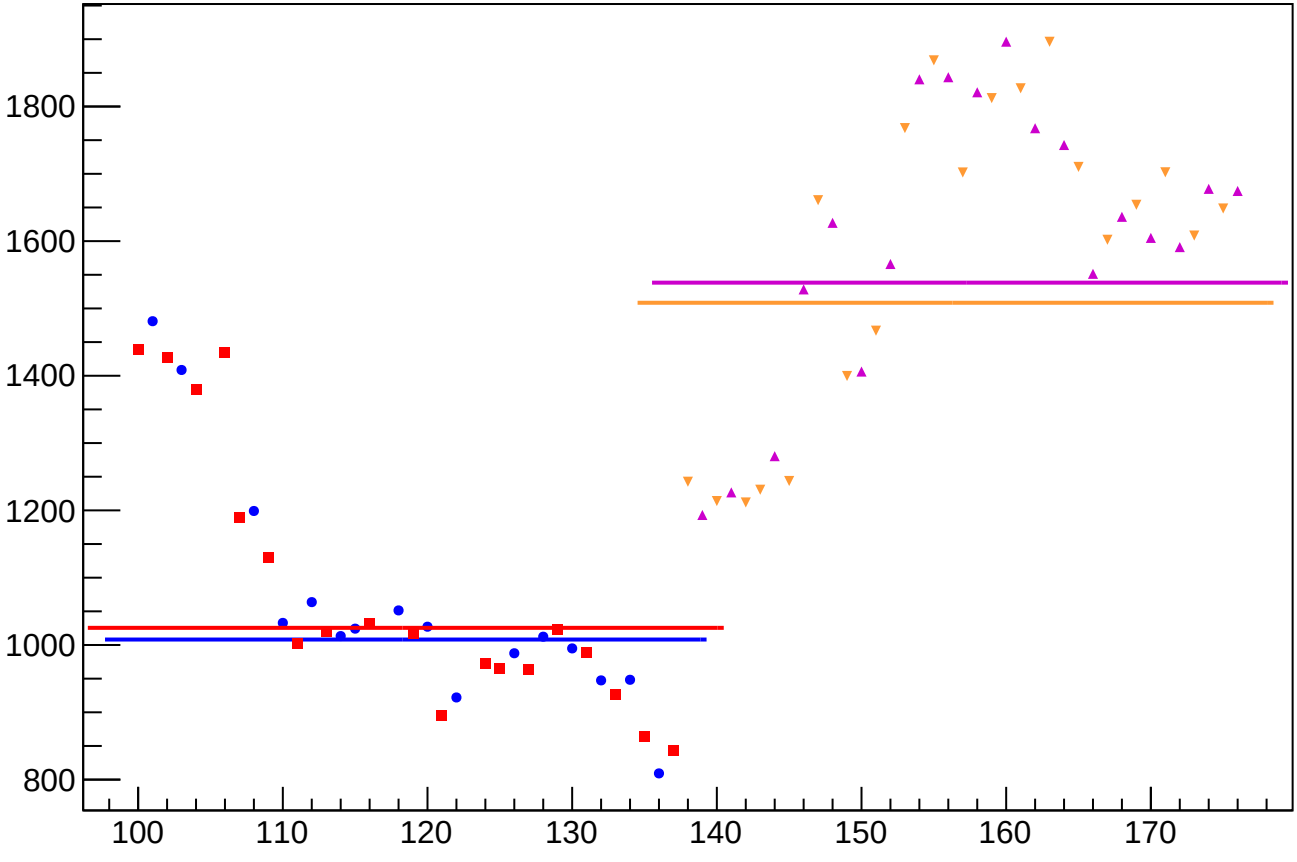
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.017+/-0.274 χ^2/NDF:1279.6/34

Out: -4.314+/-0.270 χ^2/NDF:836.0/38

All: -1.689+/-0.192 χ^2/NDF: 2308.1/73

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1508.441+/-0.272 χ^2/NDF:764255.7/19

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1538.318+/-0.279 χ^2/NDF:617975.3/18

Left: 1522.963+/-0.195 χ^2/NDF: 1388112.4/38

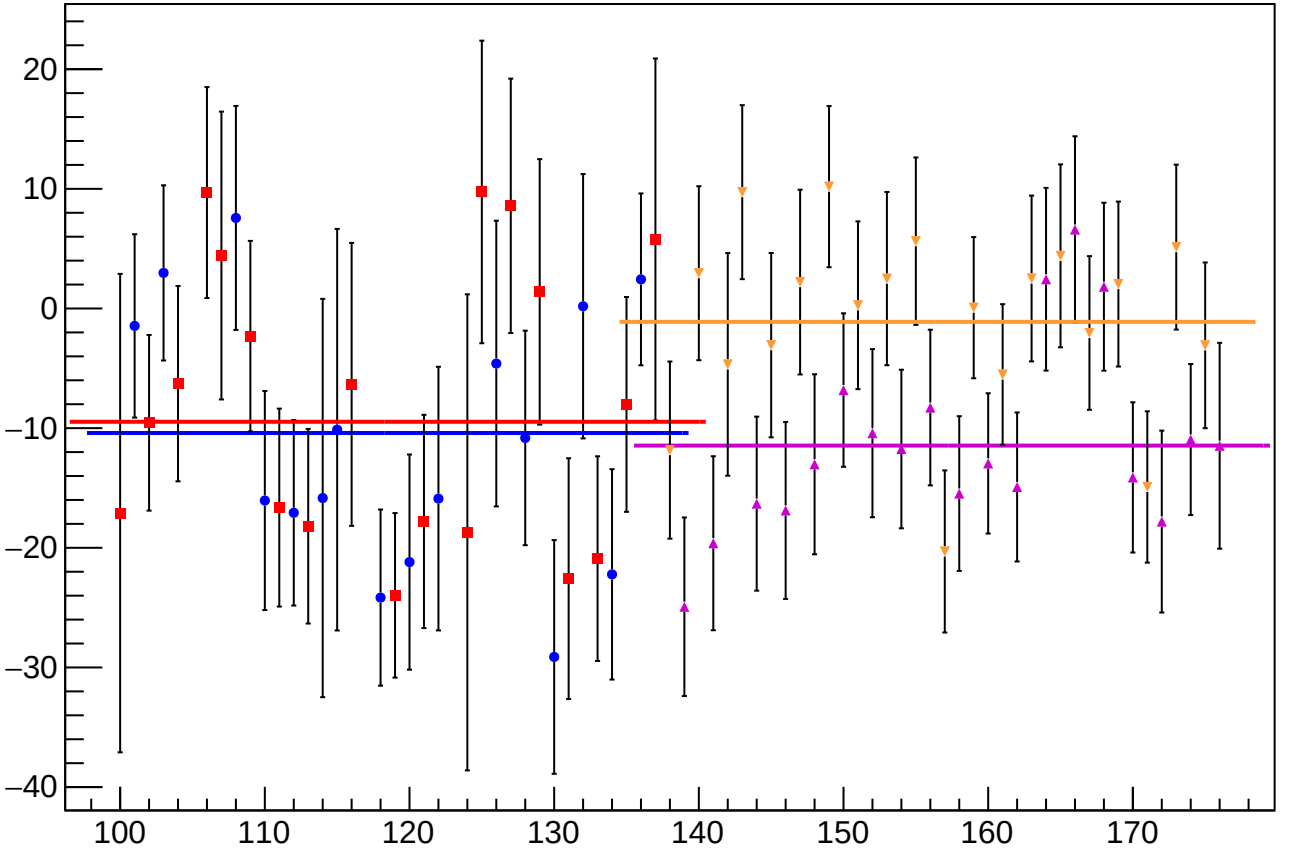
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1262.792+/-0.194 χ^2/NDF:2869566.4/34

Out: 1263.516+/-0.191 χ^2/NDF:2713780.3/38

All: 1263.159+/-0.136 χ^2/NDF: 5583353.8/73

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.116+/-1.557 χ^2/NDF:24.4/19

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.458+/-1.588 χ^2/NDF:20.2/18

Left: -6.185+/-1.112 χ^2/NDF: 66.2/38

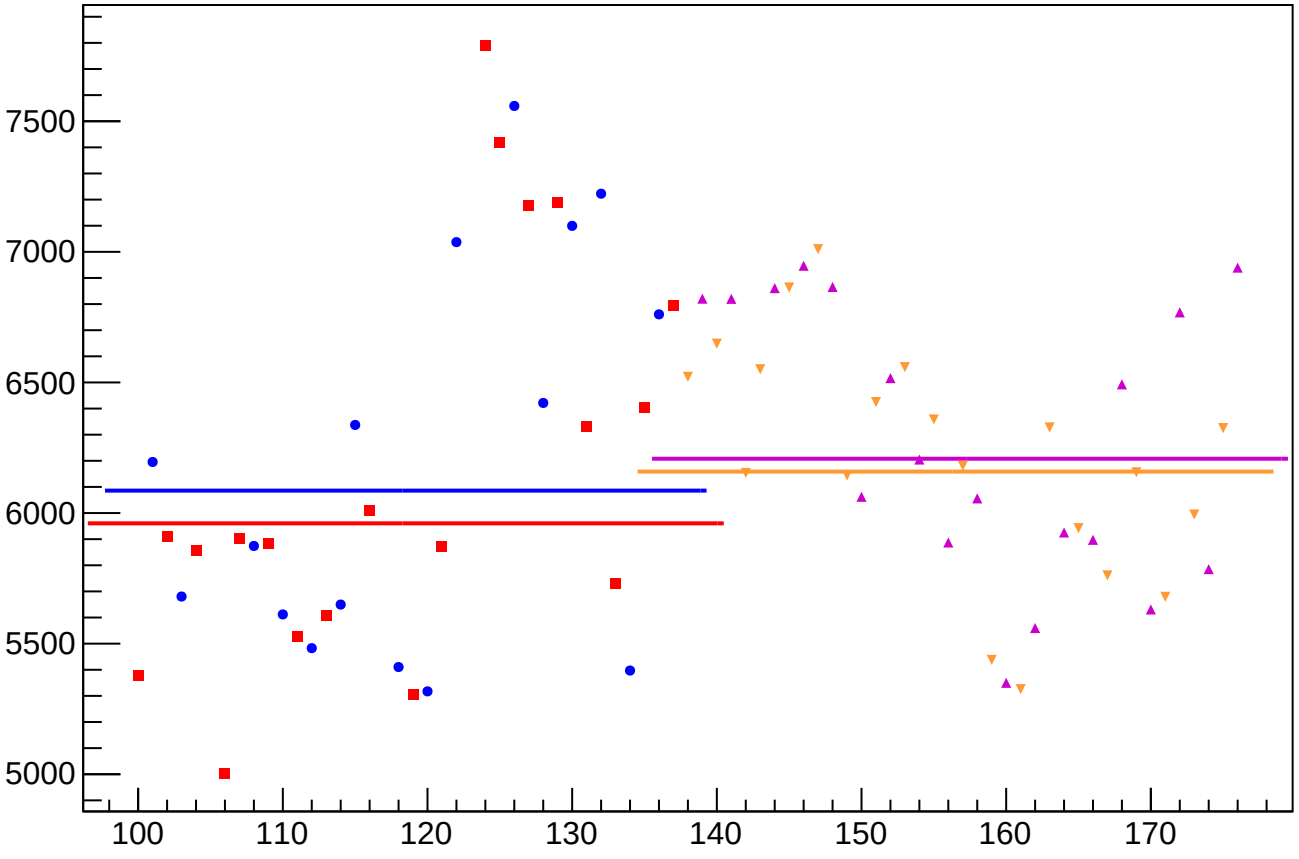
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.114+/-1.303 χ^2/NDF:45.0/34

Out: -3.917+/-1.269 χ^2/NDF:59.4/38

All: -7.420+/-0.909 χ^2/NDF: 120.0/73

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.722+/-1.101 χ^2/NDF:165627.0/19

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6207.933+/-1.123 χ^2/NDF:214759.5/18

Left: 6182.840+/-0.786 χ^2/NDF: 381366.1/38

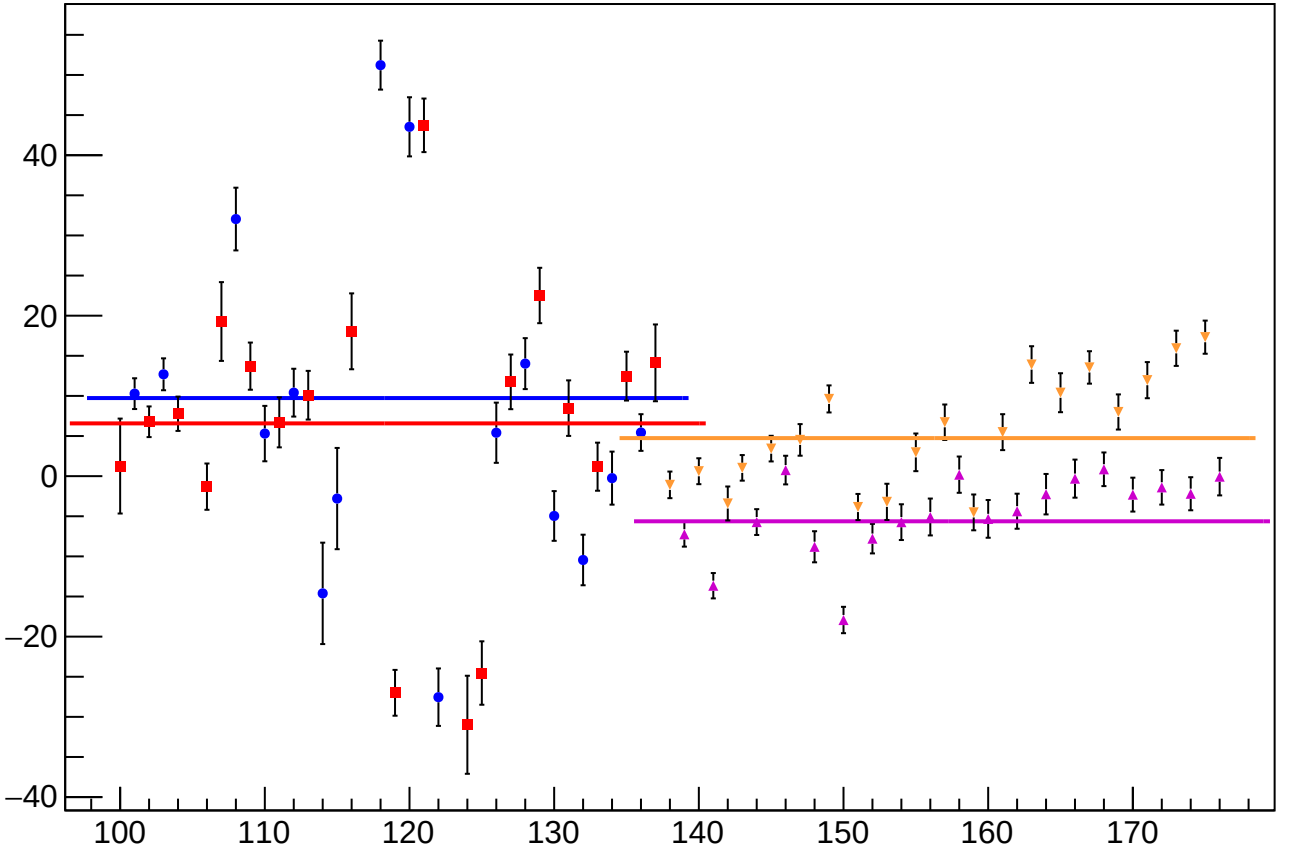
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6168.072+/-0.921 χ^2/NDF:397738.4/34

Out: 6092.268+/-0.897 χ^2/NDF:339267.0/38

All: 6129.168+/-0.643 χ^2/NDF: 740479.8/73

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.741+/-0.439 χ^2/NDF:223.2/19

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.627+/-0.454 χ^2/NDF:138.1/18

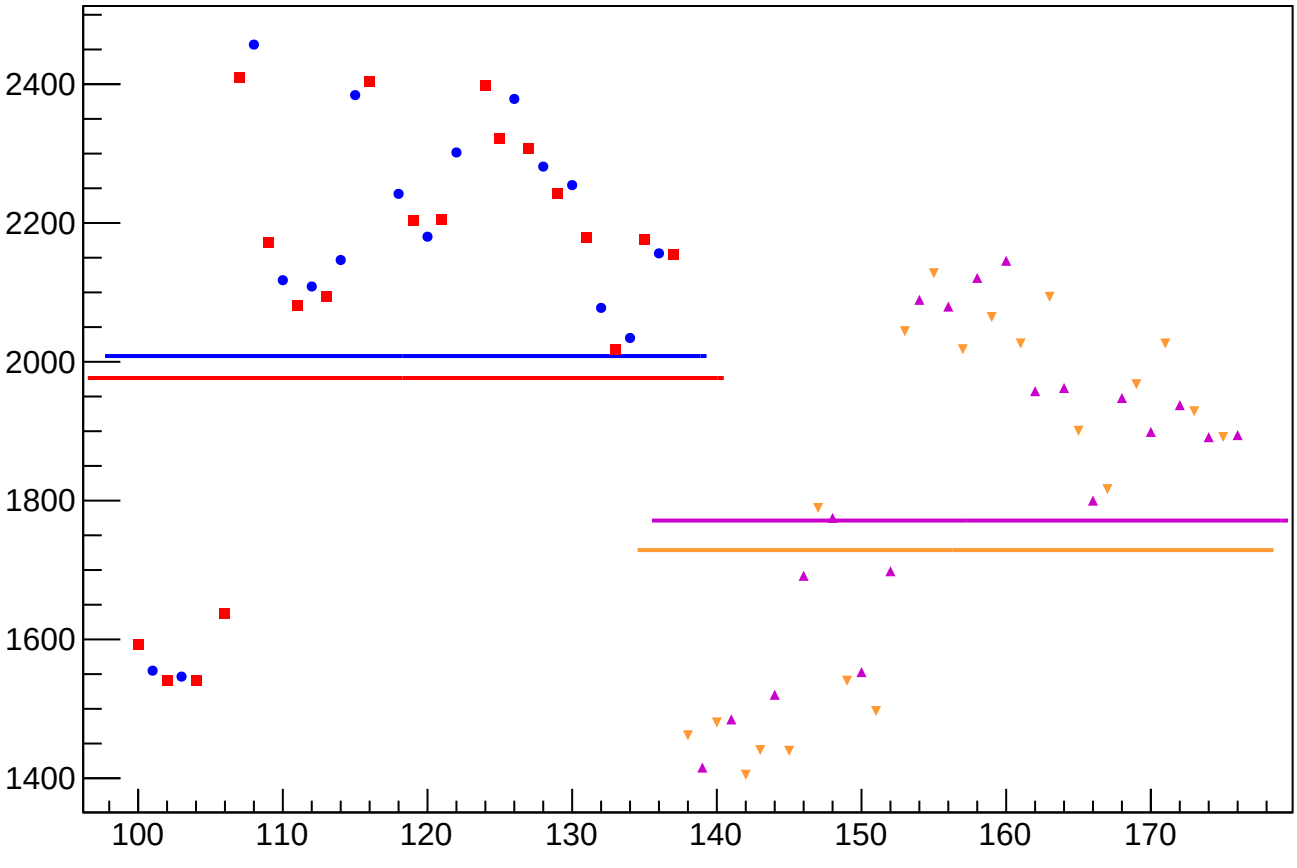
Left: -0.275+/-0.316 χ^2/NDF: 630.5/38

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.548+/-0.389 χ^2/NDF:954.5/34

Out: 5.229+/-0.377 χ^2/NDF:651.6/38

All: 1.950+/-0.271 χ^2/NDF: 1762.7/73



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1728.731+/-0.311 χ^2/NDF:708348.1/19

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1771.275+/-0.321 χ^2/NDF:511338.4/18

Left: 1749.316+/-0.223 χ^2/NDF: 1228754.7/38

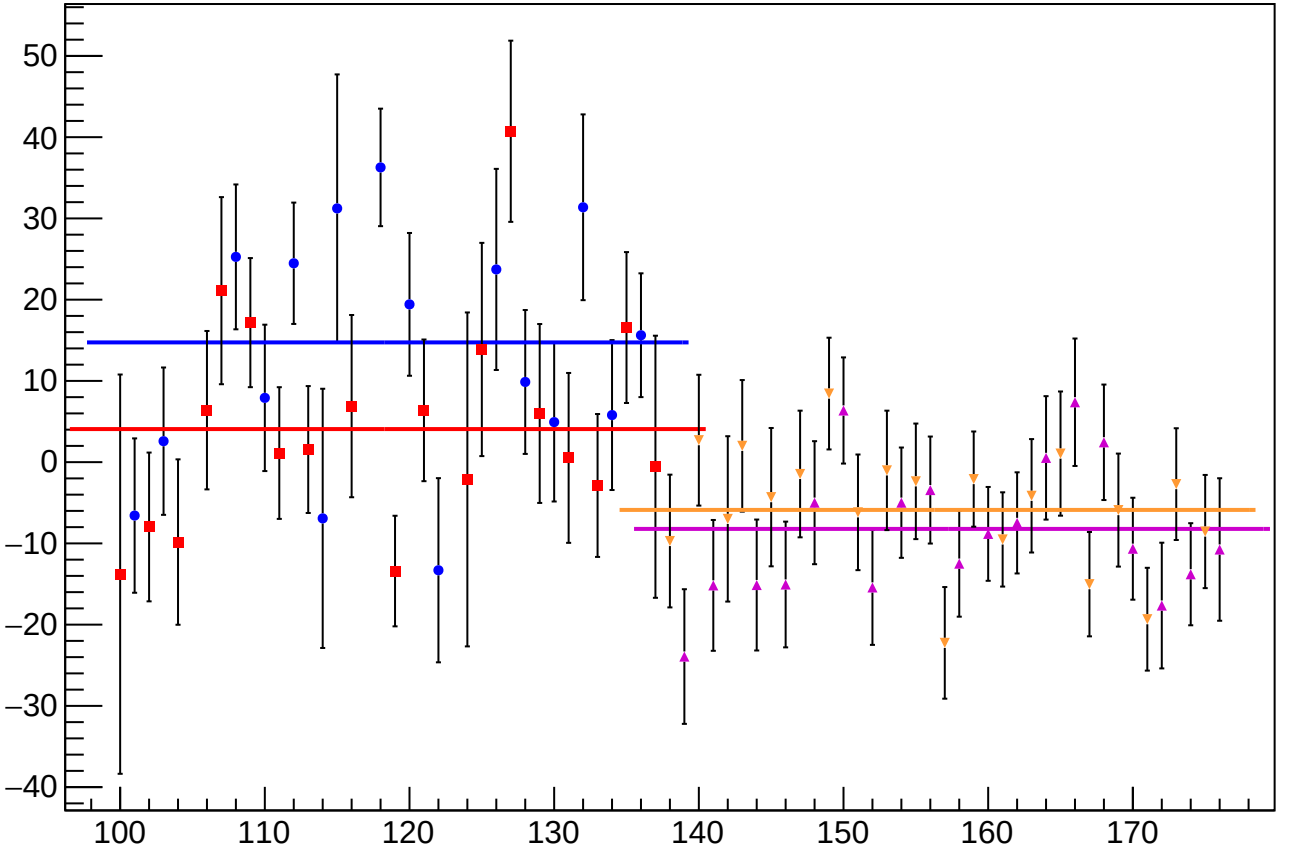
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1834.213+/-0.275 χ^2/NDF:1000524.8/34

Out: 1794.650+/-0.266 χ^2/NDF:1242956.5/38

All: 1813.788+/-0.191 χ^2/NDF: 2254160.8/73

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.879+/-1.593 χ^2/NDF:22.0/19

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.217+/-1.621 χ^2/NDF:23.3/18

Left: -7.028+/-1.136 χ^2/NDF: 46.3/38

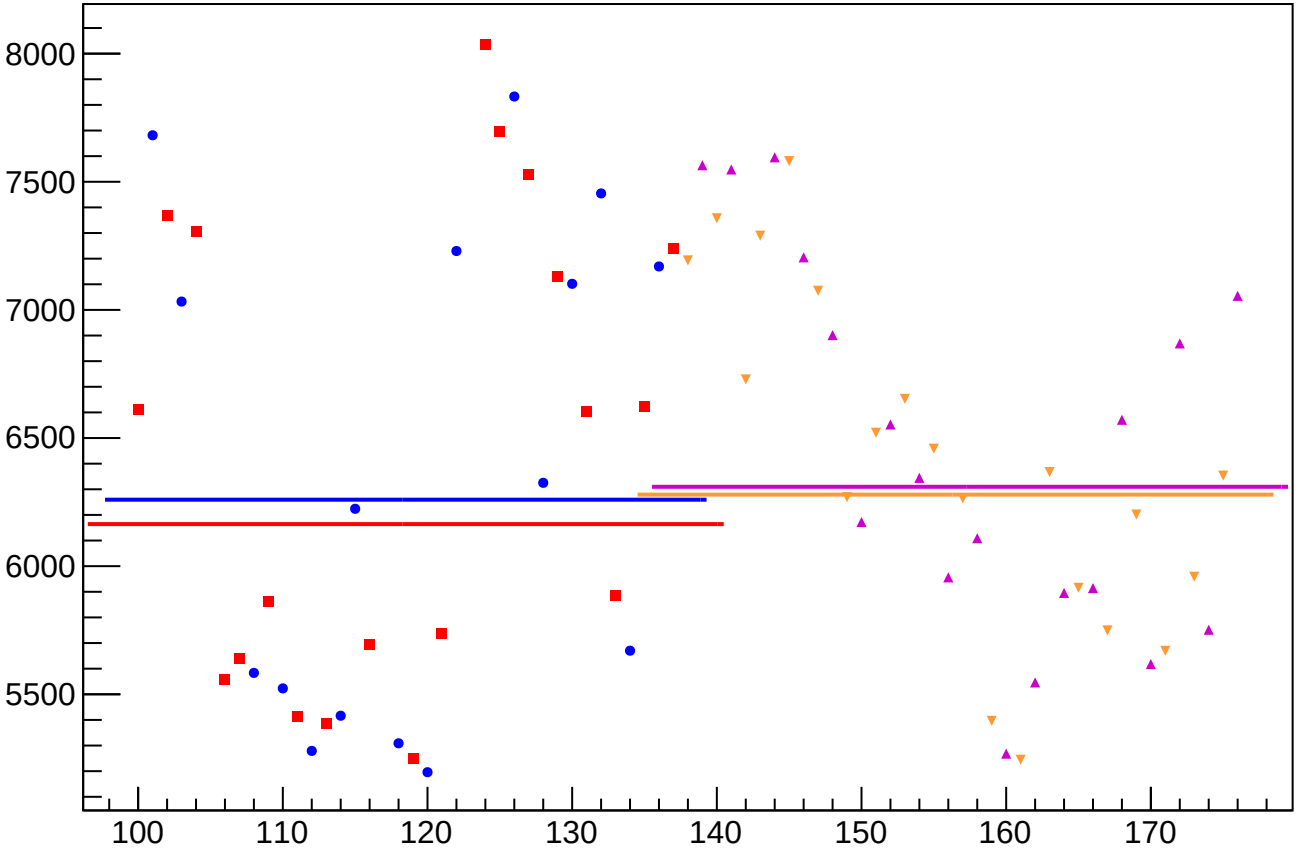
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -0.851+/-1.335 χ^2/NDF:121.2/34

Out: -2.603+/-1.305 χ^2/NDF:65.0/38

All: -1.747+/-0.933 χ^2/NDF: 187.1/73

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6279.227+/-1.126 χ^2/NDF:323135.2/19

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6309.722+/-1.146 χ^2/NDF:367856.9/18

Left: 6294.214+/-0.803 χ^2/NDF: 691352.3/38

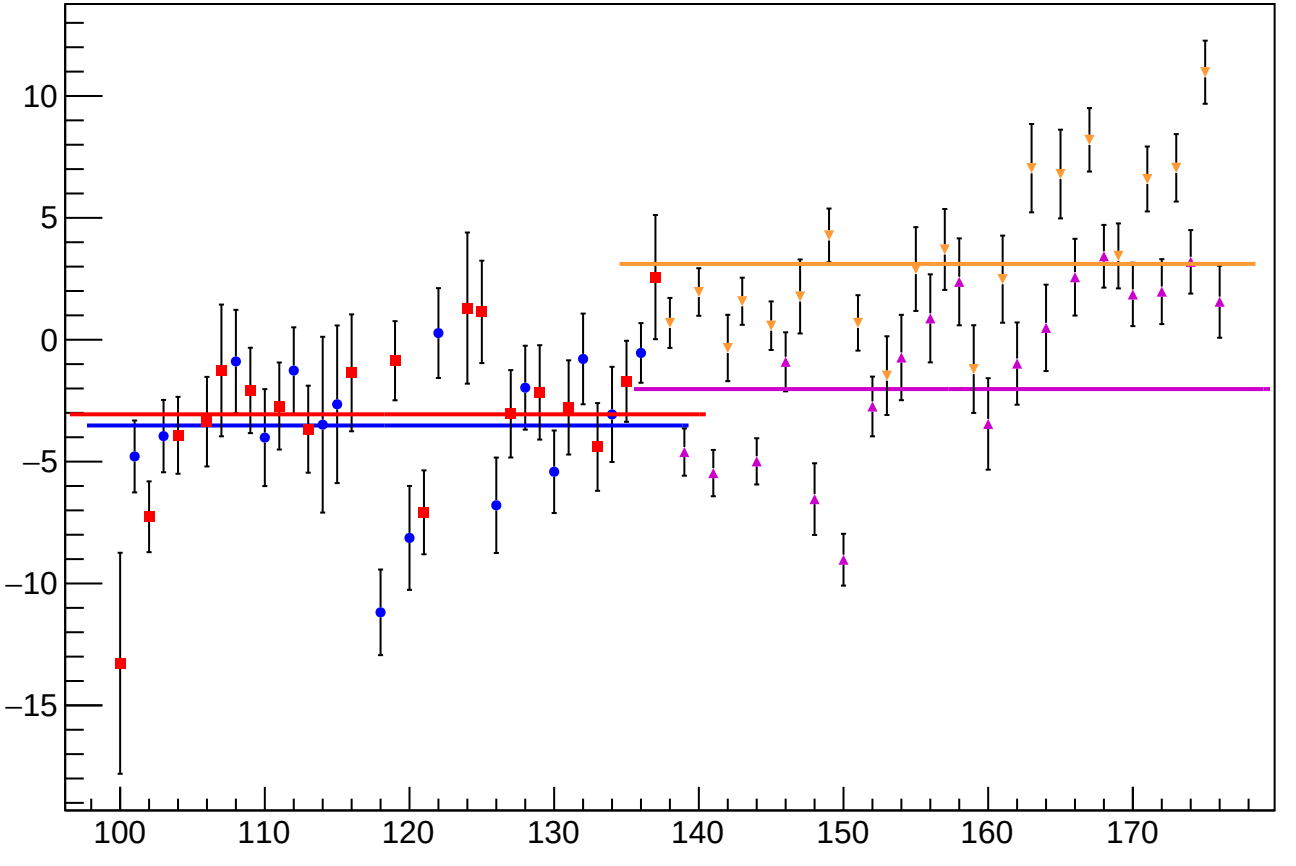
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6293.581+/-0.944 χ^2/NDF:677082.1/34

Out: 6241.336+/-0.923 χ^2/NDF:591630.7/38

All: 6266.849+/-0.660 χ^2/NDF: 1270278.9/73

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.112+/-0.291 χ^2/NDF:118.9/19

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.024+/-0.300 χ^2/NDF:162.5/18

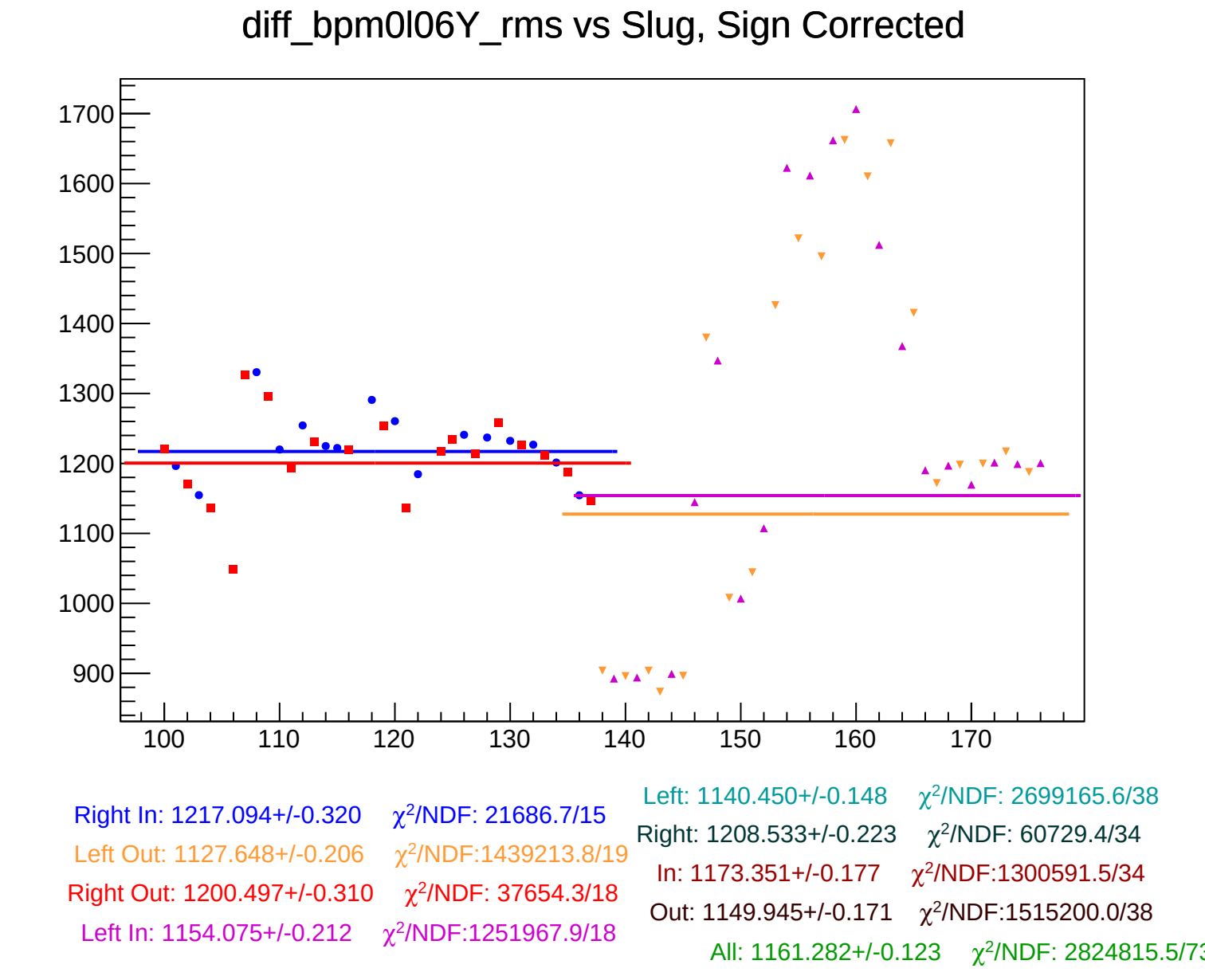
Left: 0.624+/-0.209 χ^2/NDF: 432.1/38

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

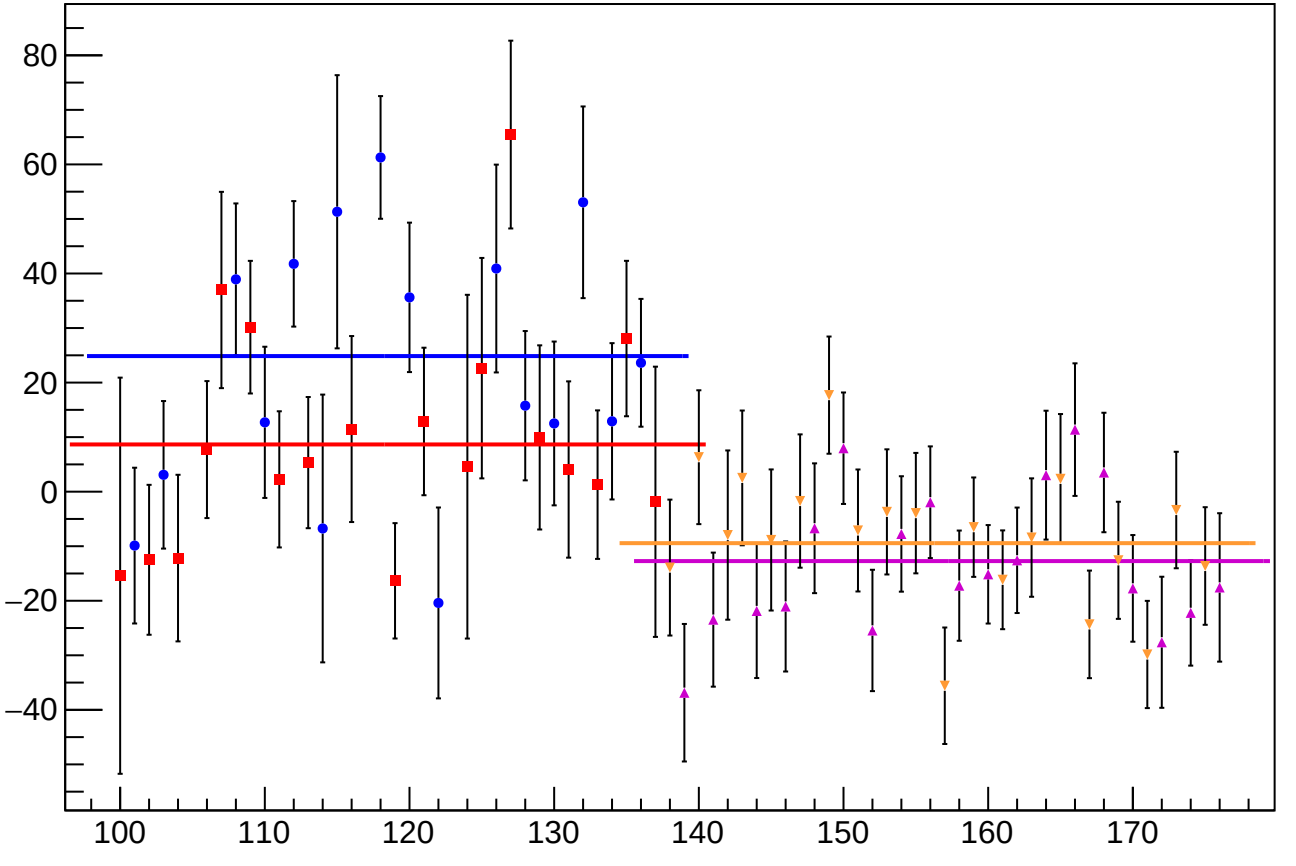
In: -2.481+/-0.250 χ^2/NDF:215.1/34

Out: 1.223+/-0.243 χ^2/NDF:291.3/38

All: -0.571+/-0.174 χ^2/NDF: 619.4/73


diff_bpm0l06Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
900
100
110
120
130
140
150
160
170
Right In: 1217.094+/-0.320 χ²/NDF: 21686.7/15
Left Out: 1127.648+/-0.206 χ²/NDF:1439213.8/19
Right Out: 1200.497+/-0.310 χ²/NDF: 37654.3/18
Left In: 1154.075+/-0.212 χ²/NDF:1251967.9/18
Left: 1140.450+/-0.148 χ²/NDF: 2699165.6/38
Right: 1208.533+/-0.223 χ²/NDF: 60729.4/34
In: 1173.351+/-0.177 χ²/NDF:1300591.5/34
Out: 1149.945+/-0.171 χ²/NDF:1515200.0/38
All: 1161.282+/-0.123 χ²/NDF: 2824815.5/73

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.439+/-2.468 χ^2/NDF:24.8/19

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.727+/-2.514 χ^2/NDF:23.5/18

Left: -11.053+/-1.761 χ^2/NDF: 49.2/38

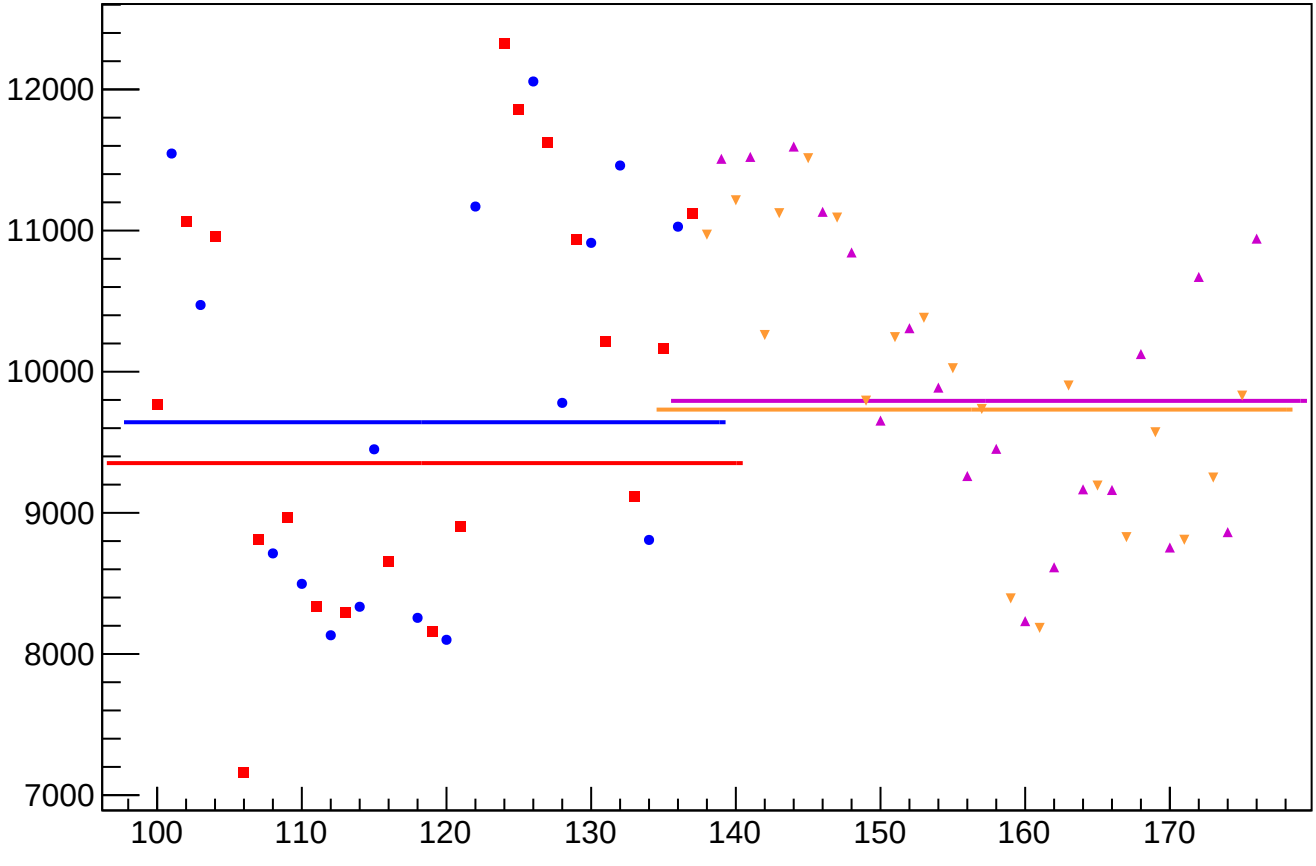
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.534+/-2.066 χ^2/NDF:134.2/34

Out: -3.322+/-2.008 χ^2/NDF:73.2/38

All: -1.968+/-1.440 χ^2/NDF: 208.3/73

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9731.594+/-1.745 χ^2/NDF:296611.3/19

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9793.420+/-1.778 χ^2/NDF:341193.8/18

Left: 9761.937+/-1.245 χ^2/NDF: 638421.2/38

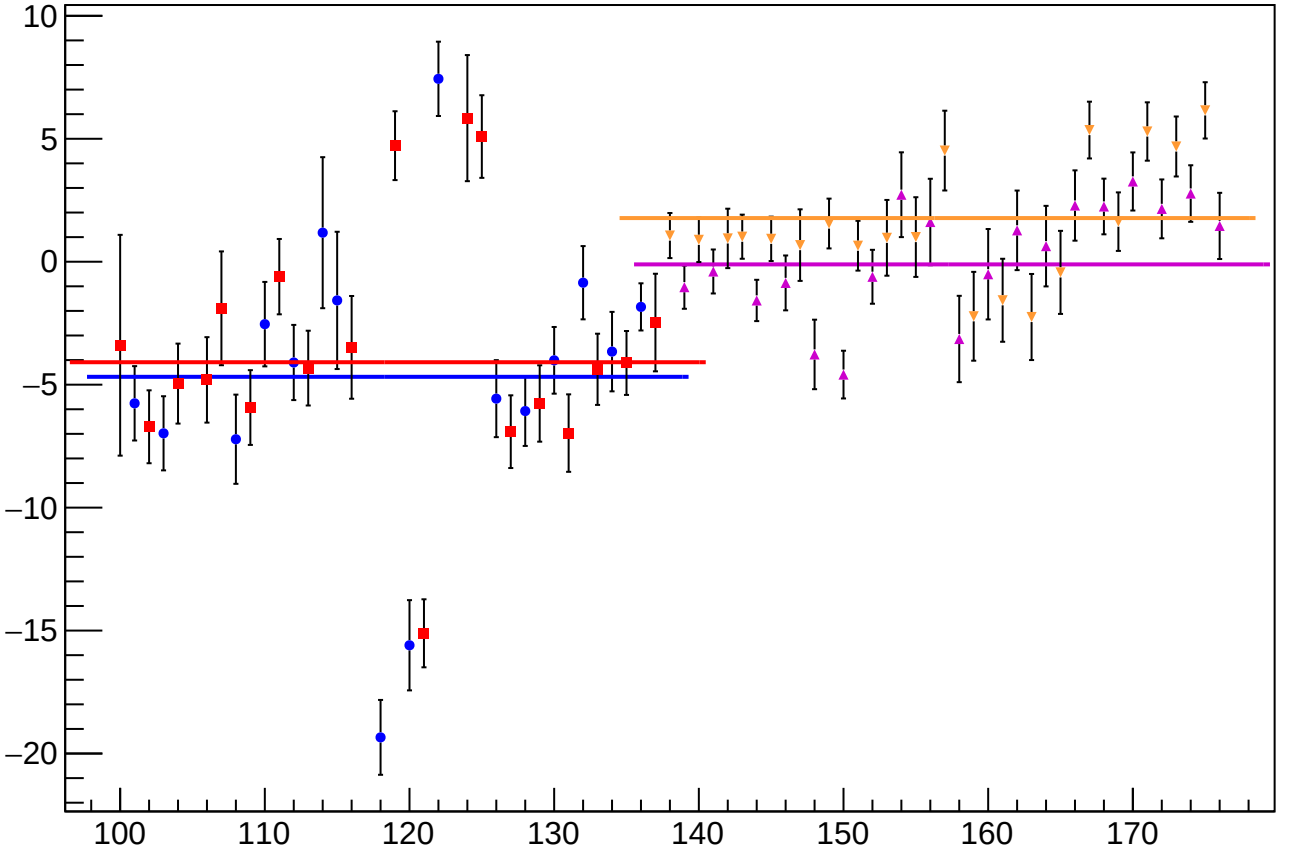
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9744.325+/-1.461 χ^2/NDF:623202.7/34

Out: 9603.450+/-1.420 χ^2/NDF:614341.6/38

All: 9671.871+/-1.018 χ^2/NDF: 1242325.5/73

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.775+/-0.266 χ^2/NDF:63.4/19

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.108+/-0.275 χ^2/NDF:67.1/18

Left: 0.865+/-0.191 χ^2/NDF: 154.6/38

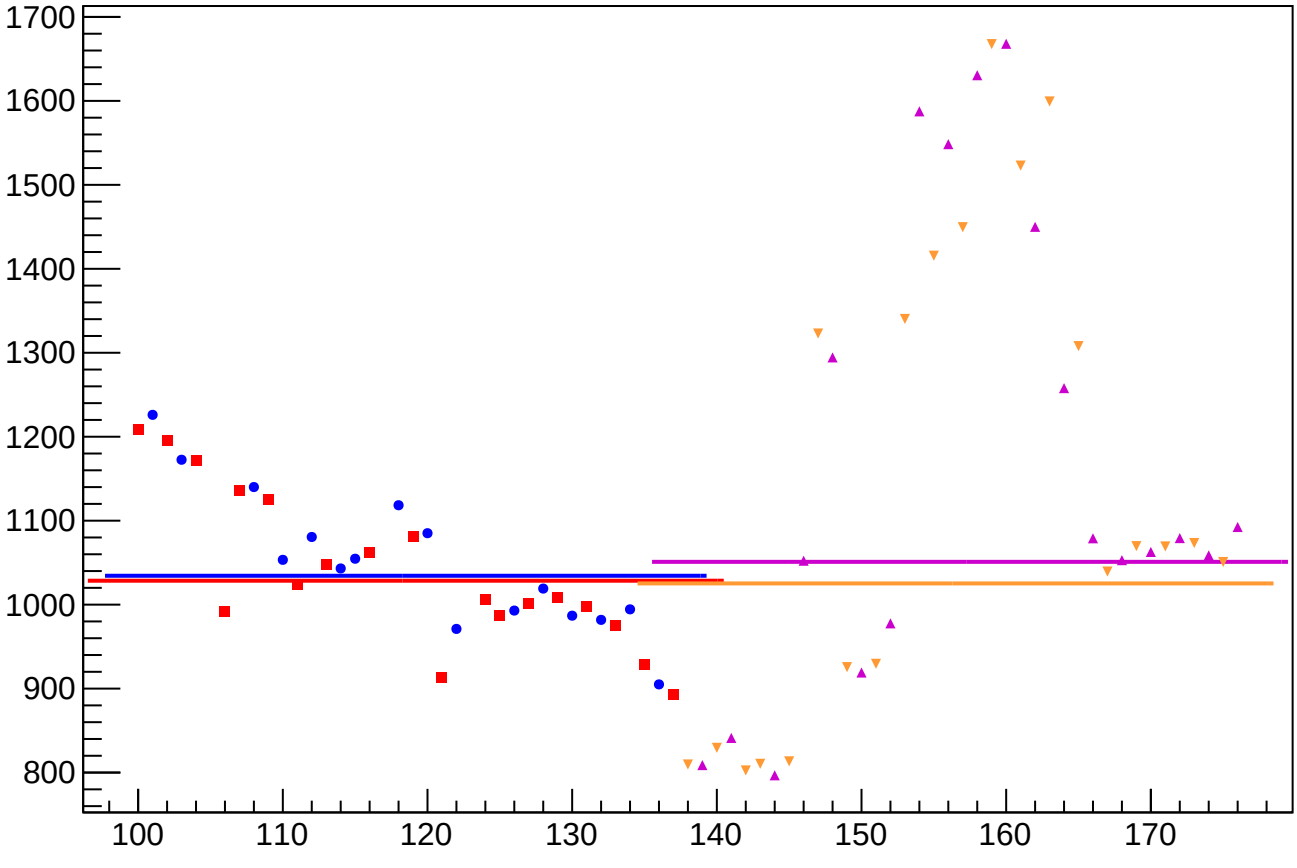
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.652+/-0.224 χ^2/NDF:381.3/34

Out: -0.179+/-0.217 χ^2/NDF:393.1/38

All: -0.893+/-0.156 χ^2/NDF: 796.7/73

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1025.250+/-0.188 χ^2/NDF:1662892.9/19

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1050.978+/-0.195 χ^2/NDF:1504865.4/18

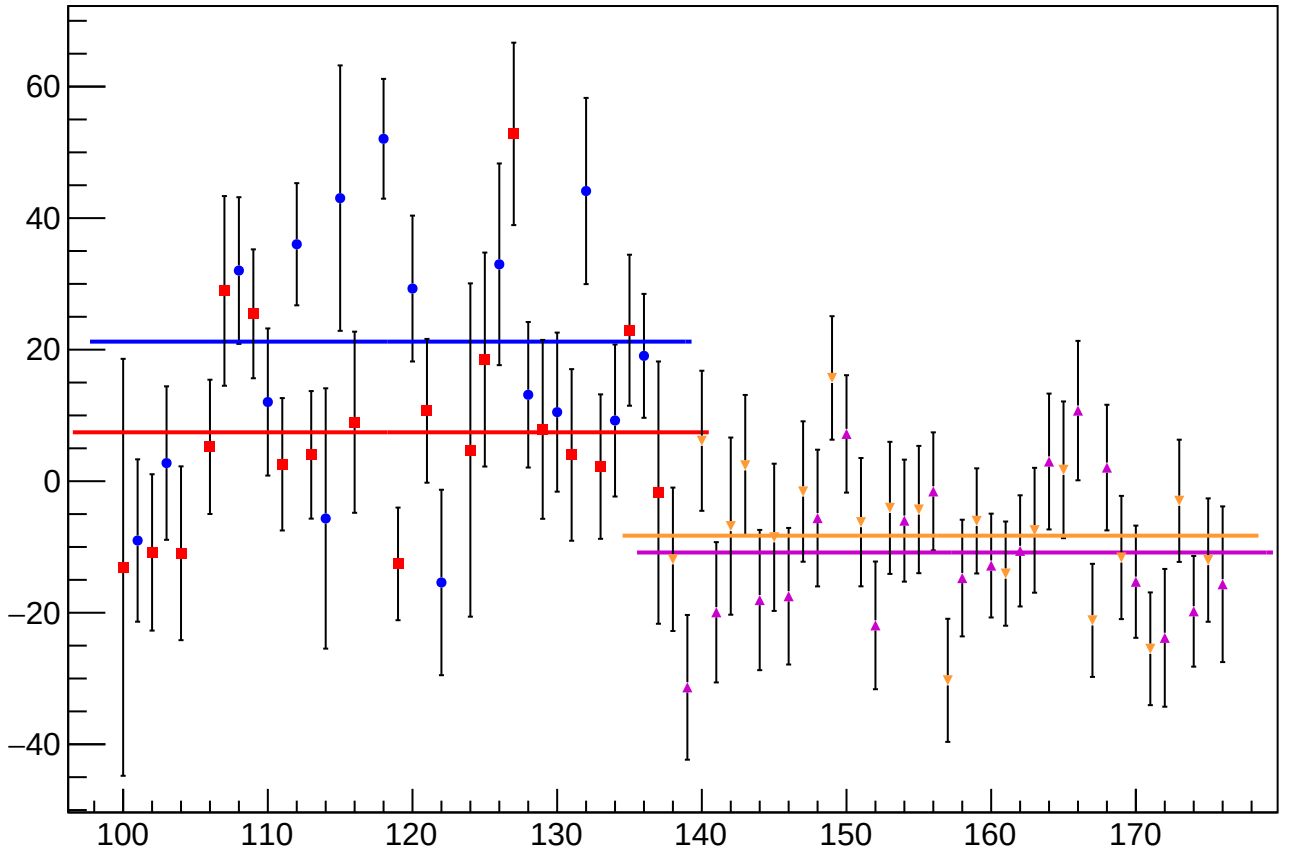
Left: 1037.678+/-0.135 χ^2/NDF: 3176782.2/38

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

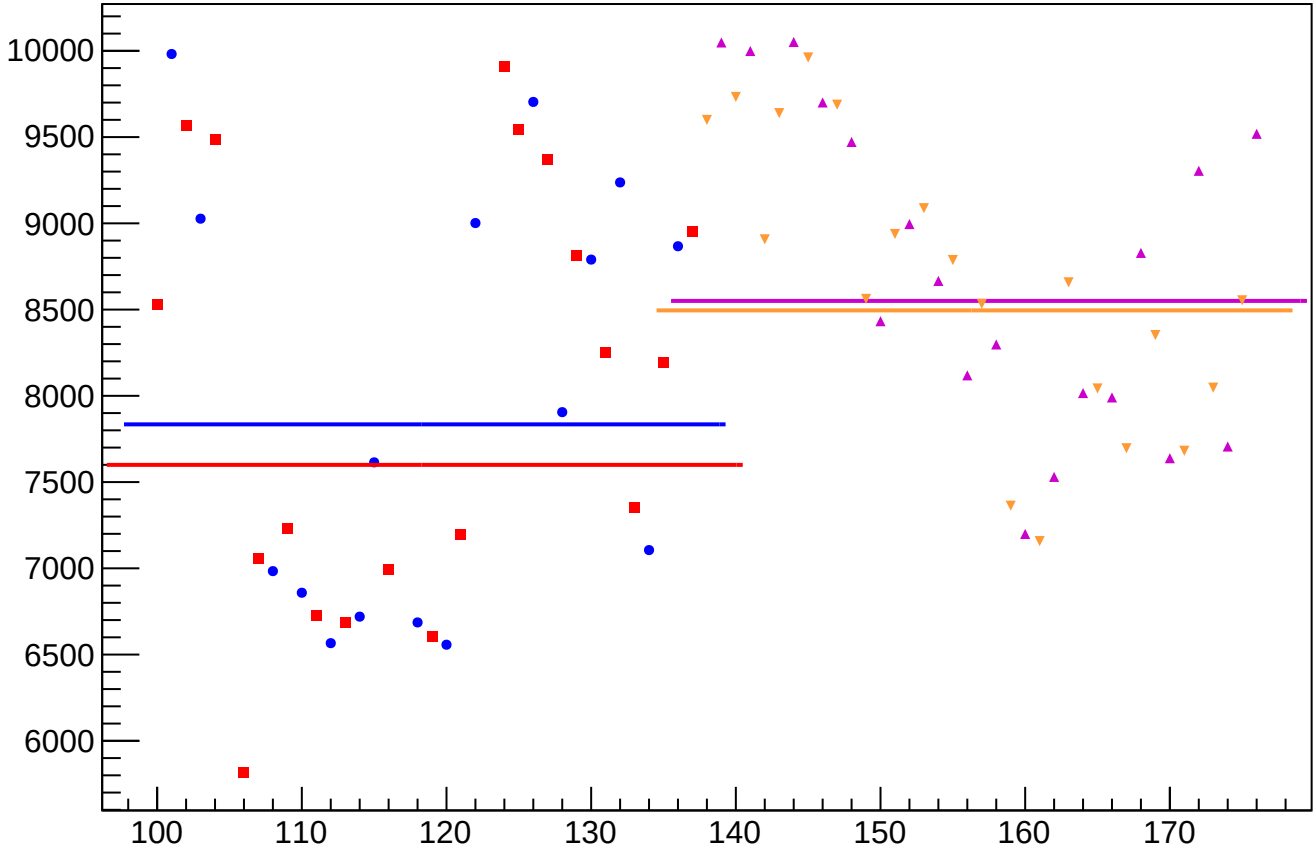
In: 1045.383+/-0.158 χ^2/NDF:1620589.9/34

Out: 1026.334+/-0.154 χ^2/NDF:1764617.1/38

All: 1035.565+/-0.110 χ^2/NDF: 3392652.1/73


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: -8.281+/-2.154 χ²/NDF:24.2/19
Right Out: 7.435+/-2.810 χ²/NDF: 29.8/18
Left In: -10.841+/-2.194 χ²/NDF:23.2/18
Left: -9.537+/-1.537 χ²/NDF: 48.1/38
Right: 13.990+/-2.035 χ²/NDF: 81.3/34
In: 0.571+/-1.761 χ²/NDF:139.2/34
Out: -2.465+/-1.710 χ²/NDF:73.7/38
All: -0.992+/-1.227 χ²/NDF: 214.5/73

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8495.300+/-1.523 χ^2/NDF:286625.6/19

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8550.309+/-1.552 χ^2/NDF:332103.1/18

Left: 8522.296+/-1.087 χ^2/NDF: 619368.8/38

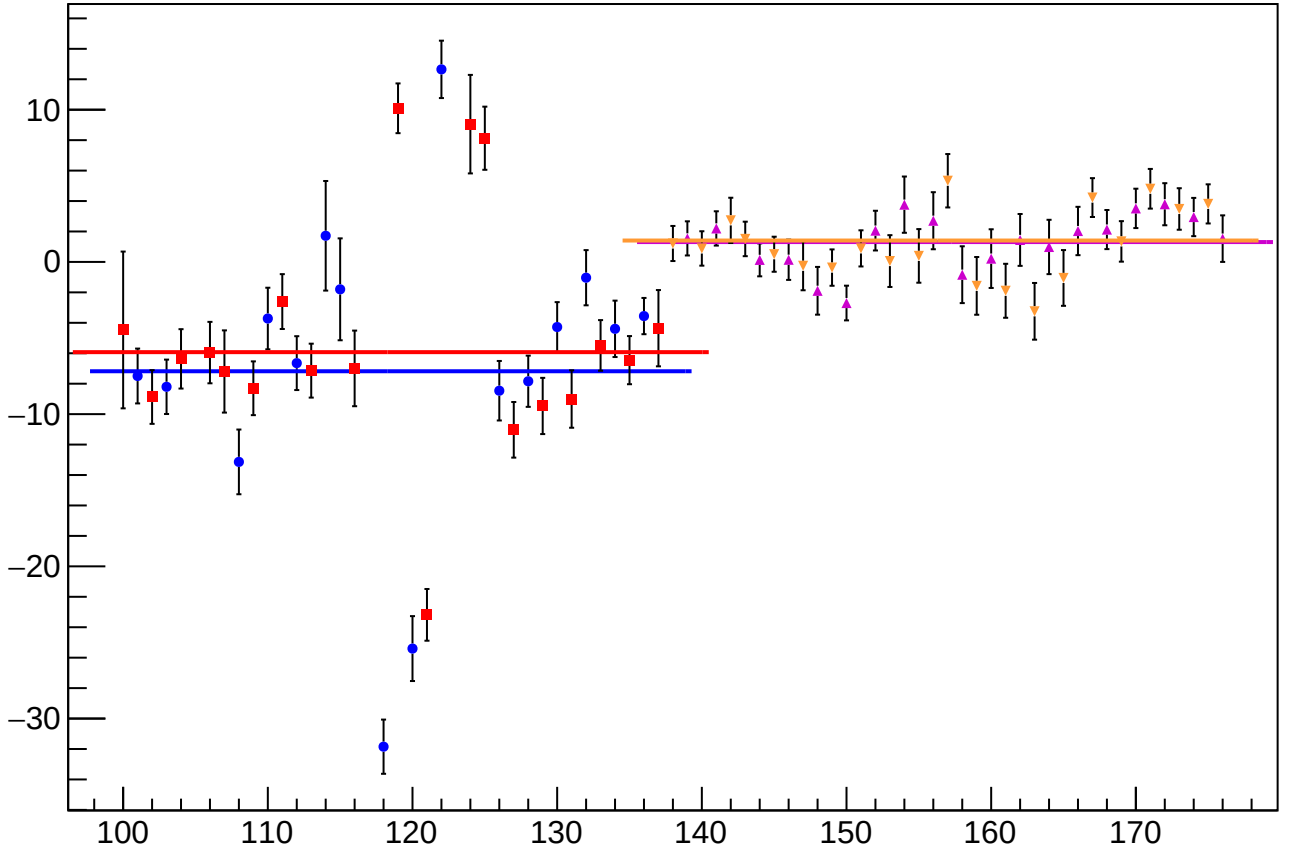
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8295.583+/-1.245 χ^2/NDF:725919.7/34

Out: 8163.882+/-1.209 χ^2/NDF:758859.2/38

All: 8227.782+/-0.867 χ^2/NDF: 1490537.7/73

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.406+/-0.310 χ^2/NDF:42.6/19

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.305+/-0.320 χ^2/NDF:32.0/18

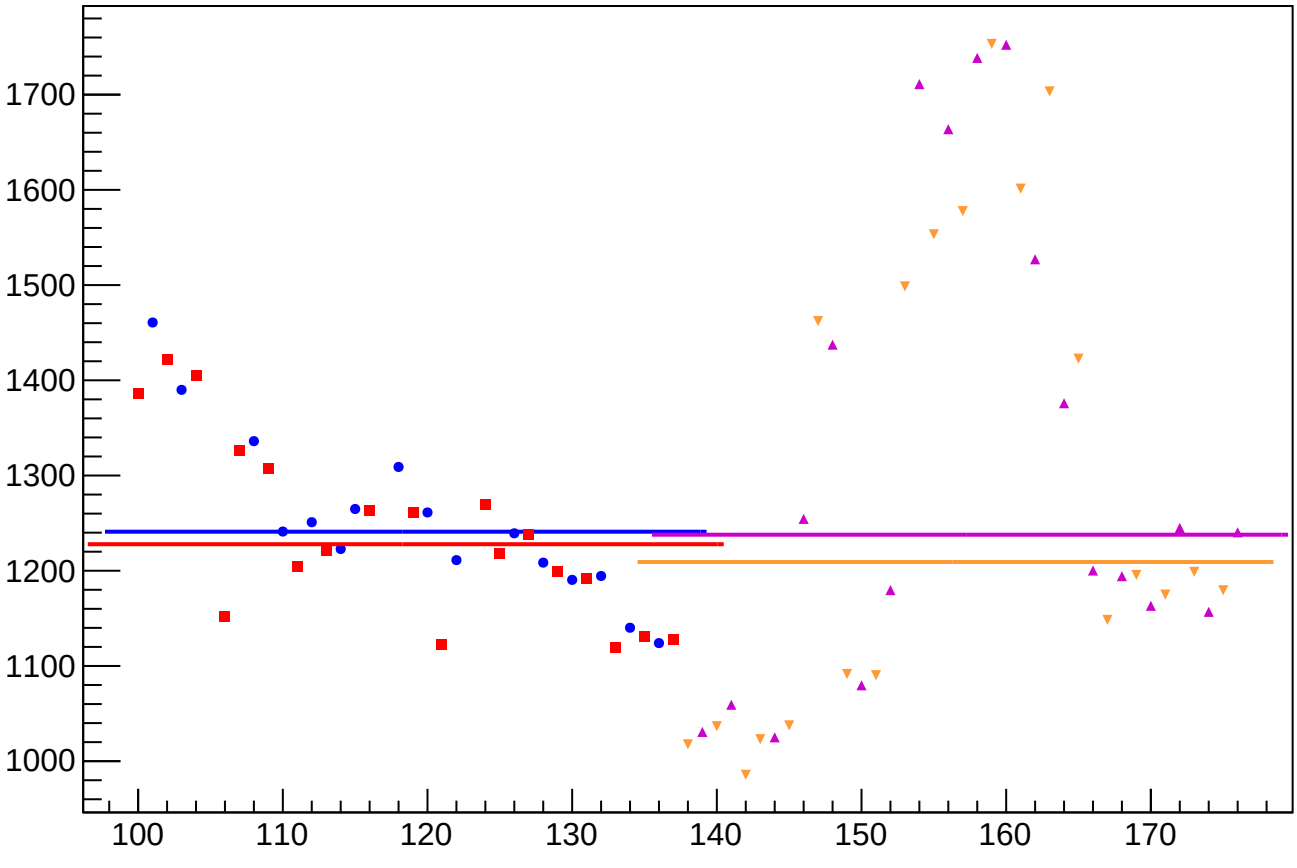
Left: 1.357+/-0.223 χ^2/NDF: 74.6/38

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.448+/-0.263 χ^2/NDF:681.9/34

Out: -0.961+/-0.255 χ^2/NDF:513.5/38

All: -1.197+/-0.183 χ^2/NDF: 1197.2/73



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1209.184+/-0.219 χ^2/NDF:994452.2/19

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1237.857+/-0.226 χ^2/NDF:879820.2/18

Left: 1223.054+/-0.158 χ^2/NDF: 1882547.6/38

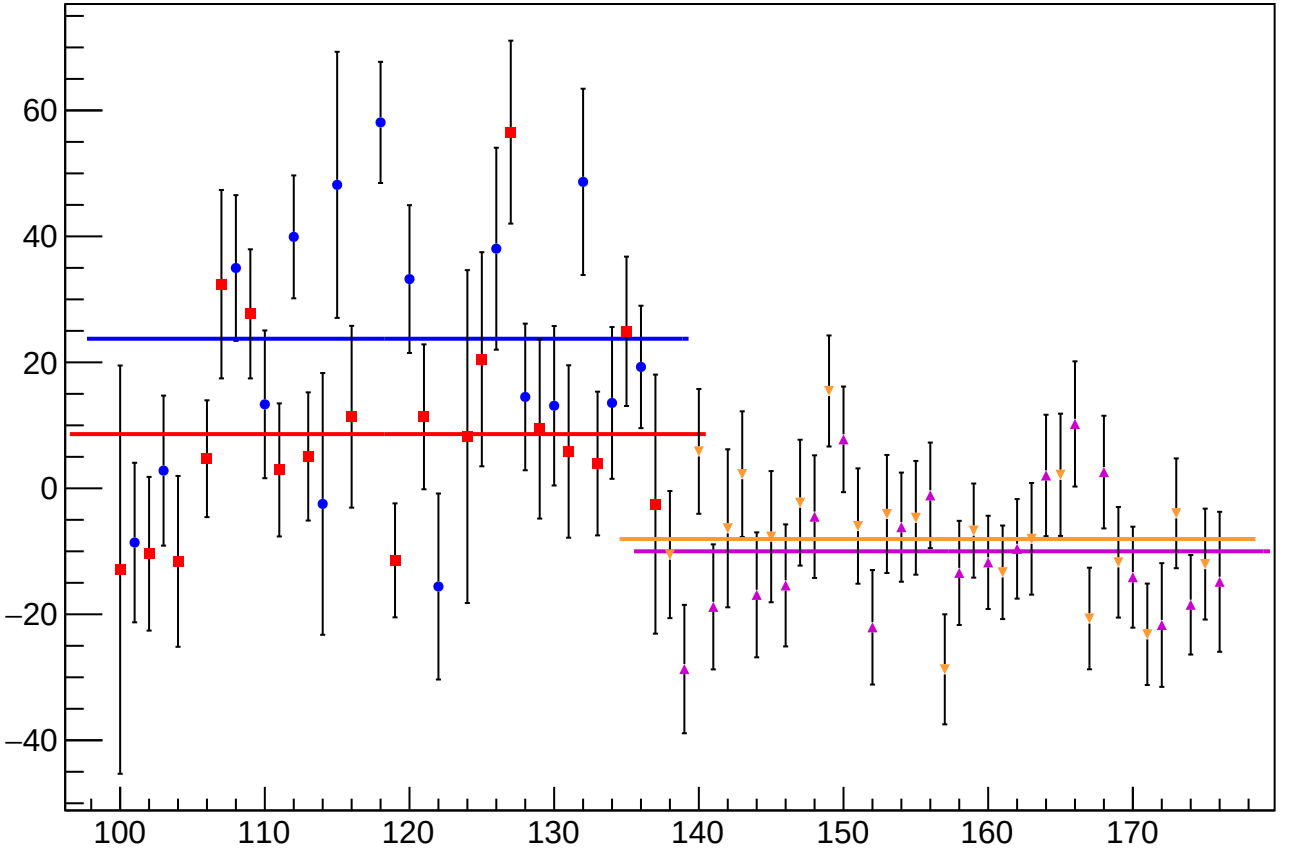
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1238.879+/-0.186 χ^2/NDF:960536.4/34

Out: 1215.212+/-0.180 χ^2/NDF:1079134.2/38

All: 1226.674+/-0.130 χ^2/NDF: 2048004.7/73

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.049+/-2.014 χ^2/NDF:24.8/19

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.997+/-2.053 χ^2/NDF:23.8/18

Left: -9.005+/-1.438 χ^2/NDF: 49.0/38

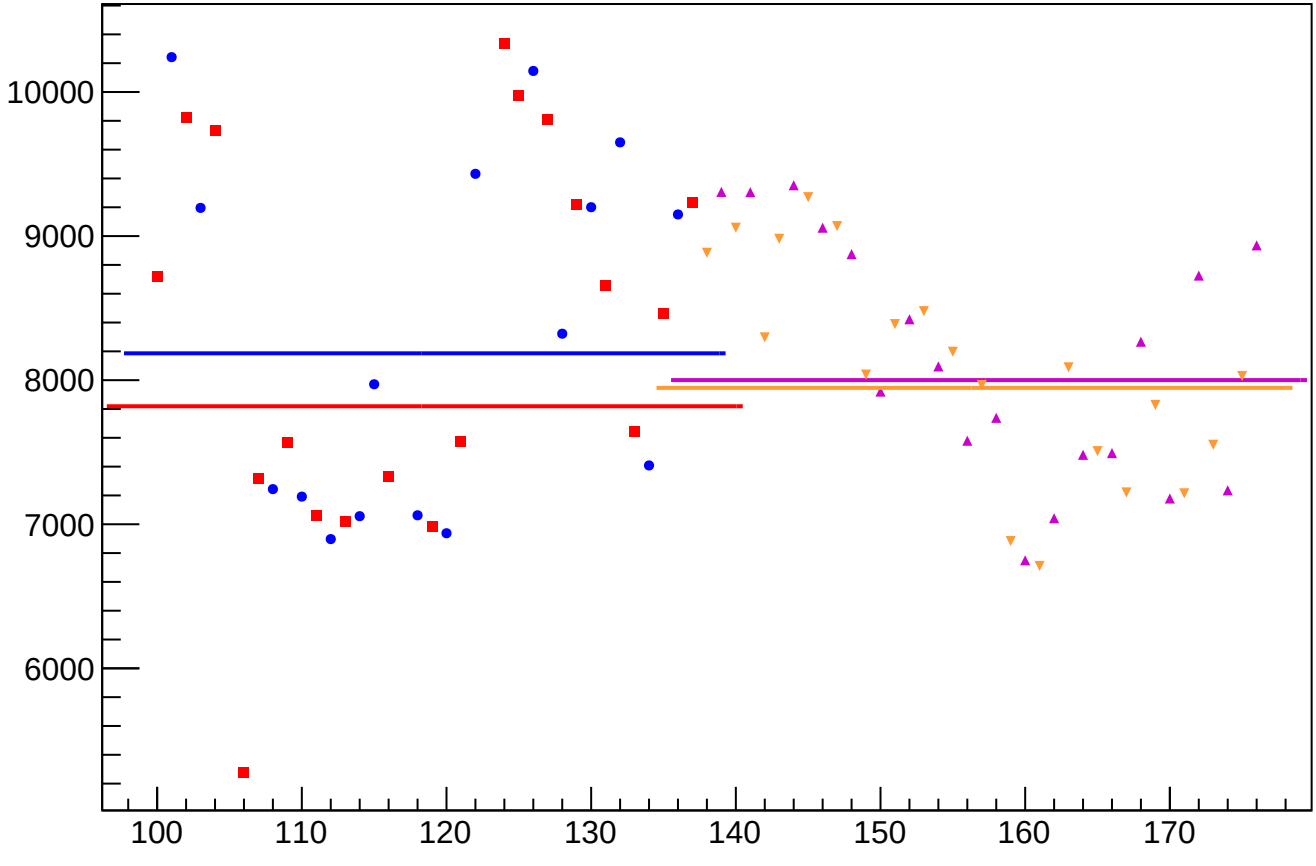
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 0.374+/-1.708 χ^2/NDF:150.3/34

Out: -2.625+/-1.654 χ^2/NDF:77.5/38

All: -1.173+/-1.188 χ^2/NDF: 229.4/73

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7946.643+/-1.424 χ^2/NDF:273872.0/19

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8000.443+/-1.451 χ^2/NDF:320449.5/18

Left: 7973.038+/-1.017 χ^2/NDF: 595021.4/38

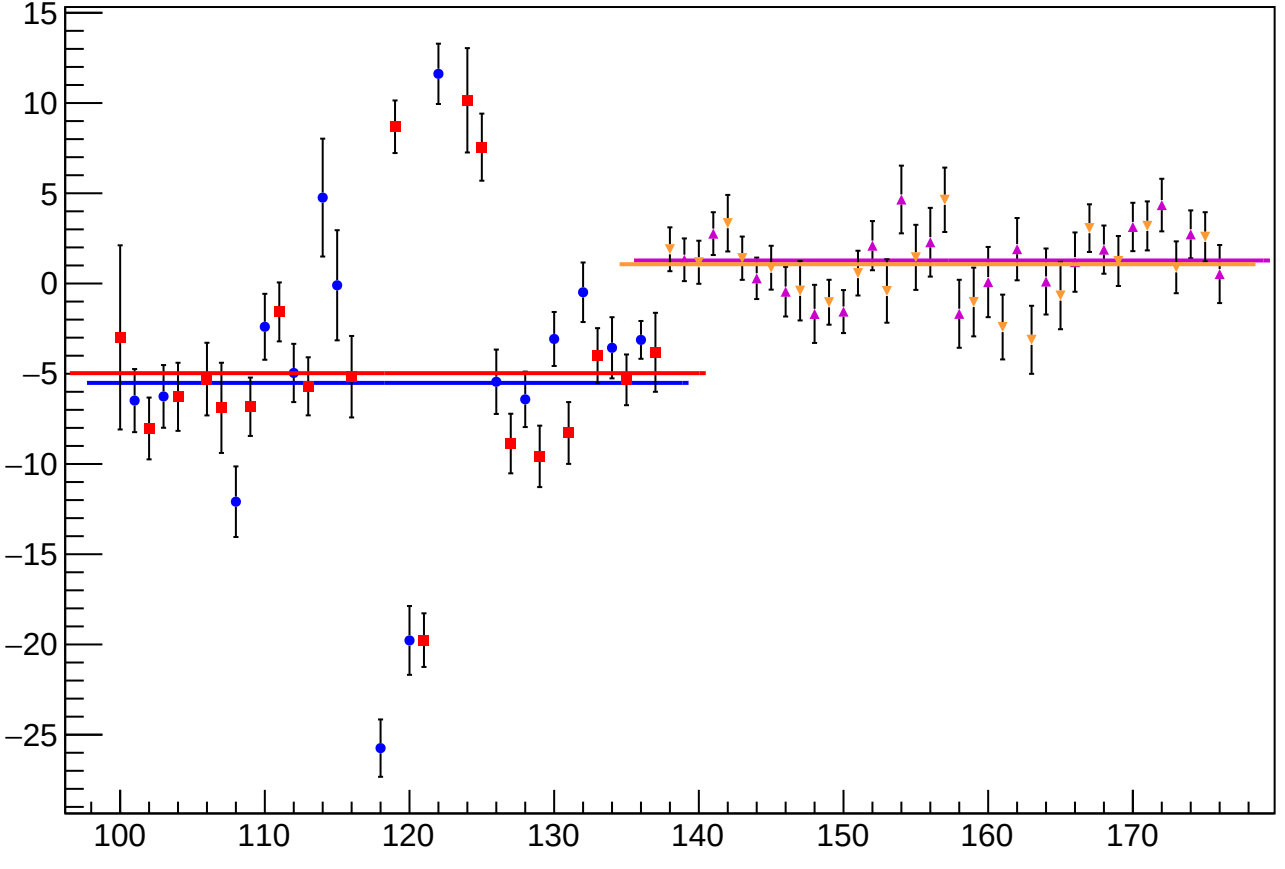
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8057.583+/-1.208 χ^2/NDF:616121.3/34

Out: 7905.071+/-1.170 χ^2/NDF:699486.3/38

All: 7978.876+/-0.840 χ^2/NDF: 1323834.5/73

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.069+/-0.323 χ^2/NDF:28.0/19

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.276+/-0.333 χ^2/NDF:28.2/18

Left: 1.169+/-0.232 χ^2/NDF: 56.4/38

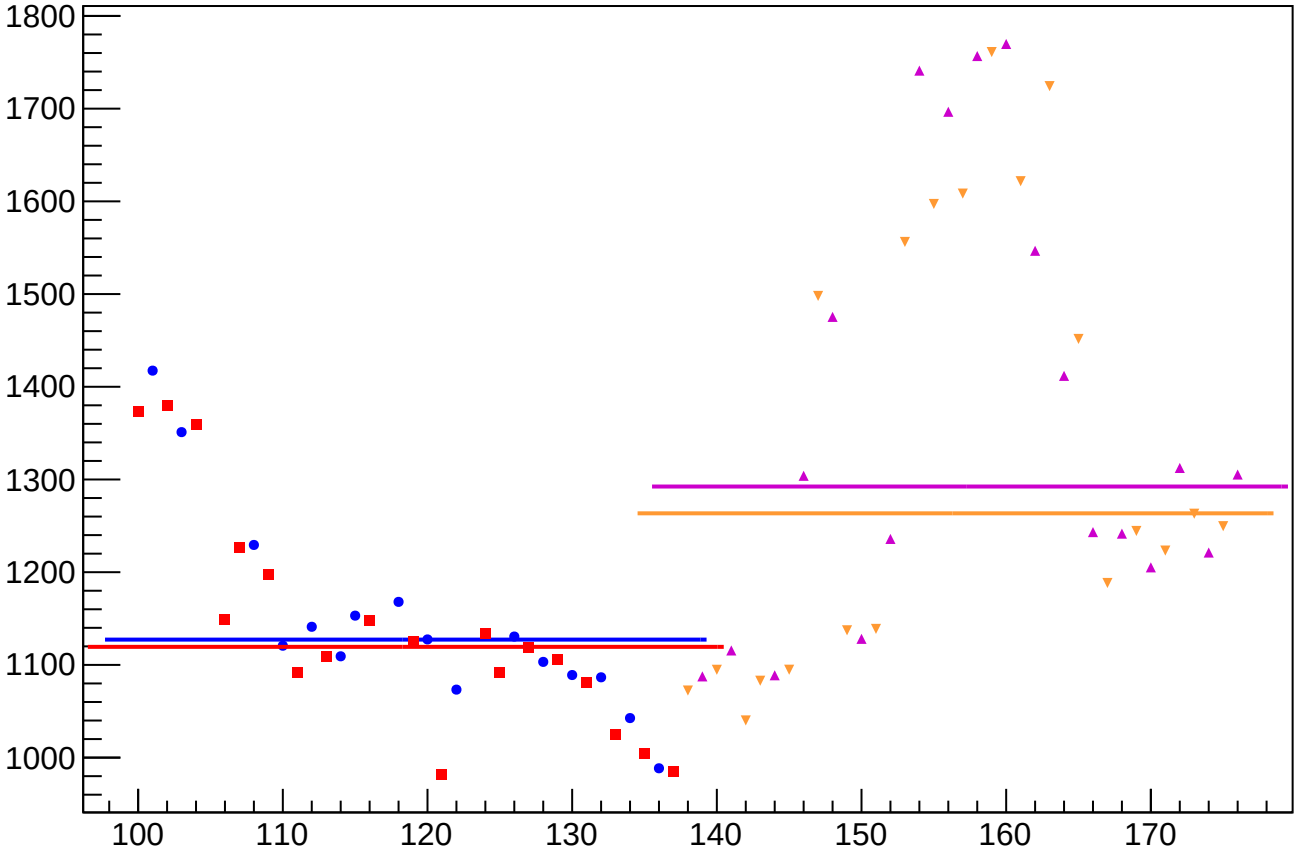
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.339+/-0.261 χ^2/NDF:557.5/34

Out: -1.240+/-0.254 χ^2/NDF:448.9/38

All: -1.289+/-0.182 χ^2/NDF: 1006.5/73

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1263.495+/-0.228 χ^2/NDF:858712.1/19

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1292.409+/-0.236 χ^2/NDF:752319.7/18

Left: 1277.492+/-0.164 χ^2/NDF: 1618790.1/38

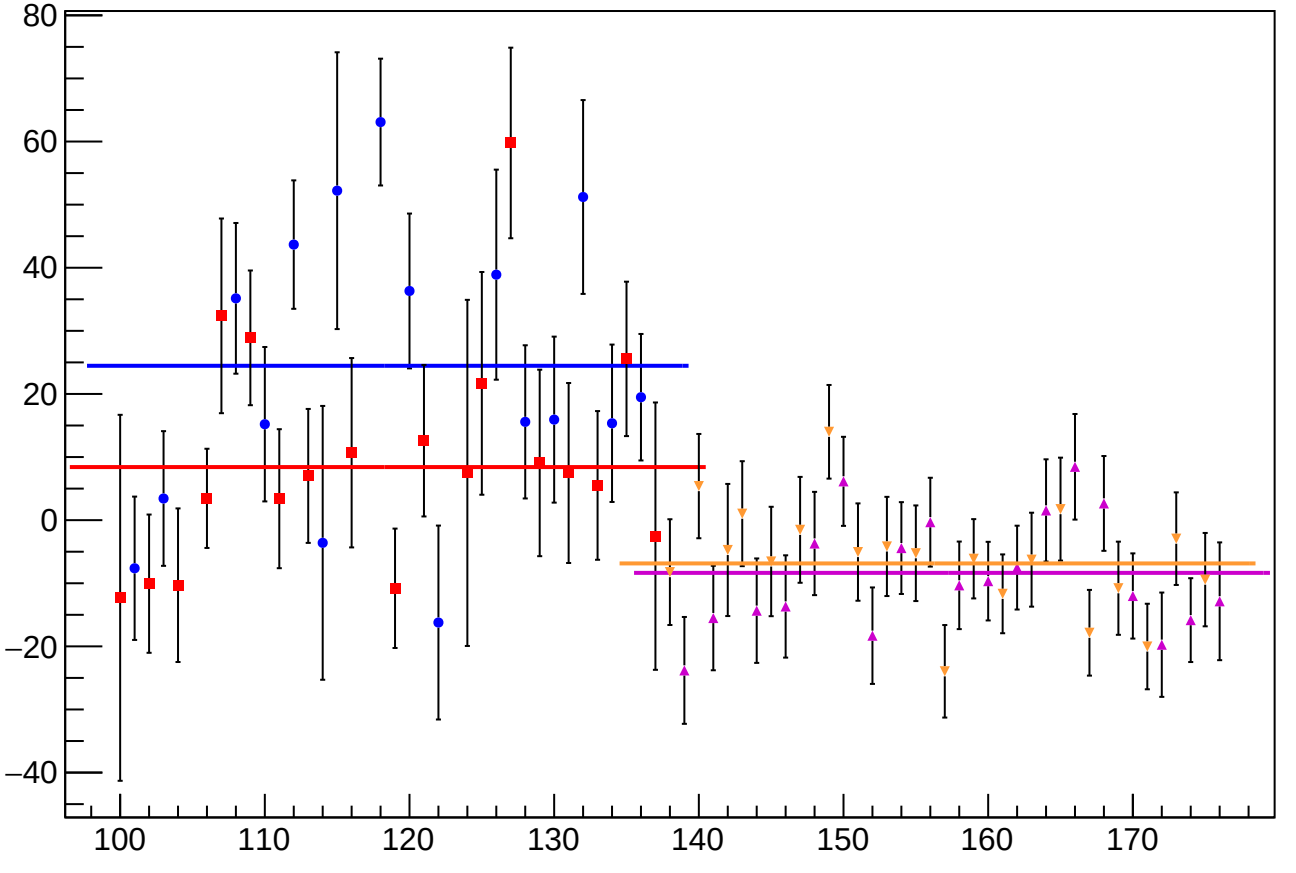
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1228.733+/-0.185 χ^2/NDF:1082058.8/34

Out: 1208.398+/-0.179 χ^2/NDF:1151571.1/38

All: 1218.267+/-0.129 χ^2/NDF: 2239860.9/73

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.857+/-1.691 χ^2/NDF:25.9/19

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.353+/-1.723 χ^2/NDF:24.4/18

Left: -7.591+/-1.207 χ^2/NDF: 50.7/38

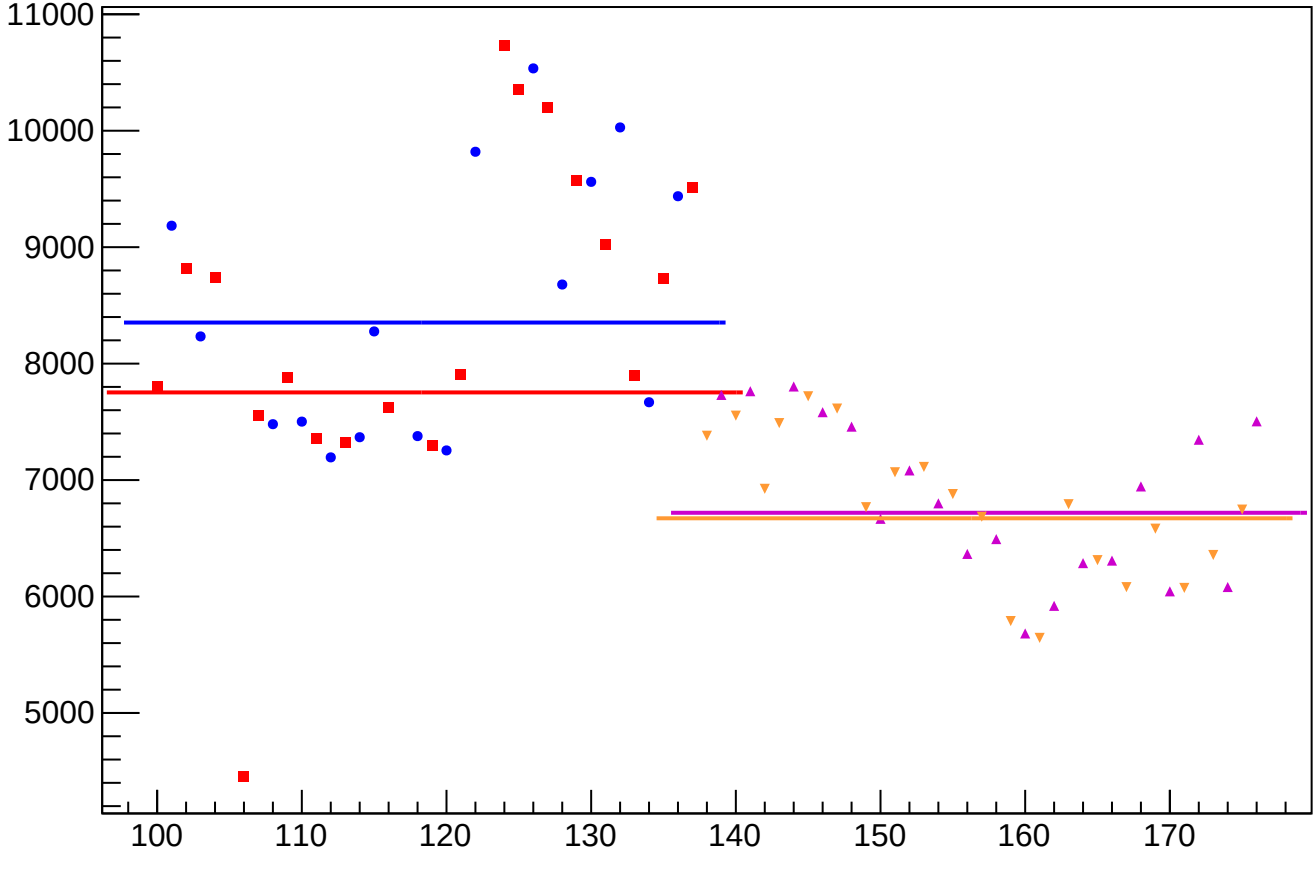
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -0.742+/-1.510 χ^2/NDF:156.8/34

Out: -2.966+/-1.459 χ^2/NDF:77.9/38

All: -1.892+/-1.049 χ^2/NDF: 235.8/73

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6671.757+/-1.195 χ^2/NDF:258230.9/19

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6719.101+/-1.219 χ^2/NDF:306498.9/18

Left: 6694.976+/-0.853 χ^2/NDF: 565498.9/38

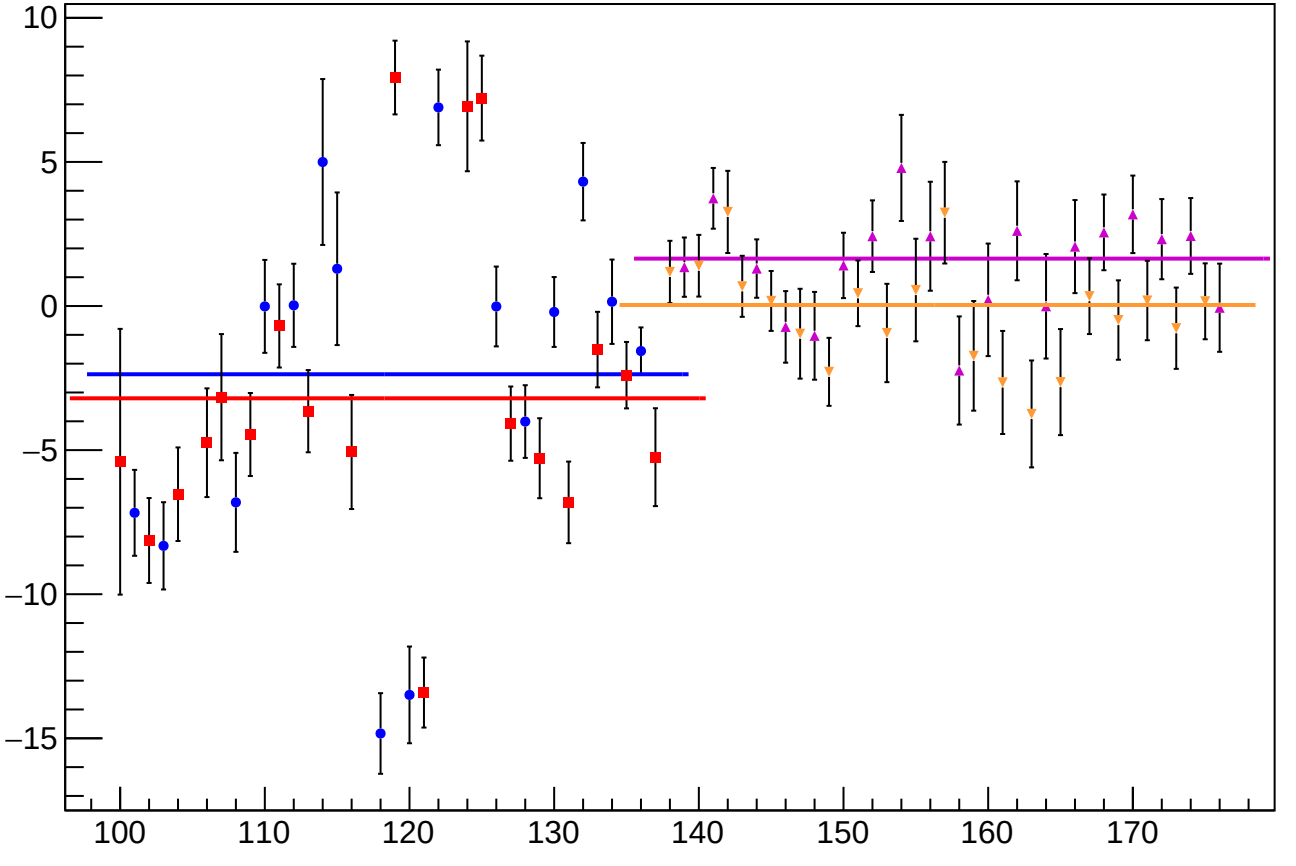
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7097.972+/-1.068 χ^2/NDF:943750.4/34

Out: 6947.221+/-1.032 χ^2/NDF:1054647.3/38

All: 7020.014+/-0.742 χ^2/NDF: 2008702.3/73

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.036+/-0.304 χ^2/NDF:26.3/19

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.645+/-0.314 χ^2/NDF:24.0/18

Left: 0.814+/-0.219 χ^2/NDF: 63.9/38

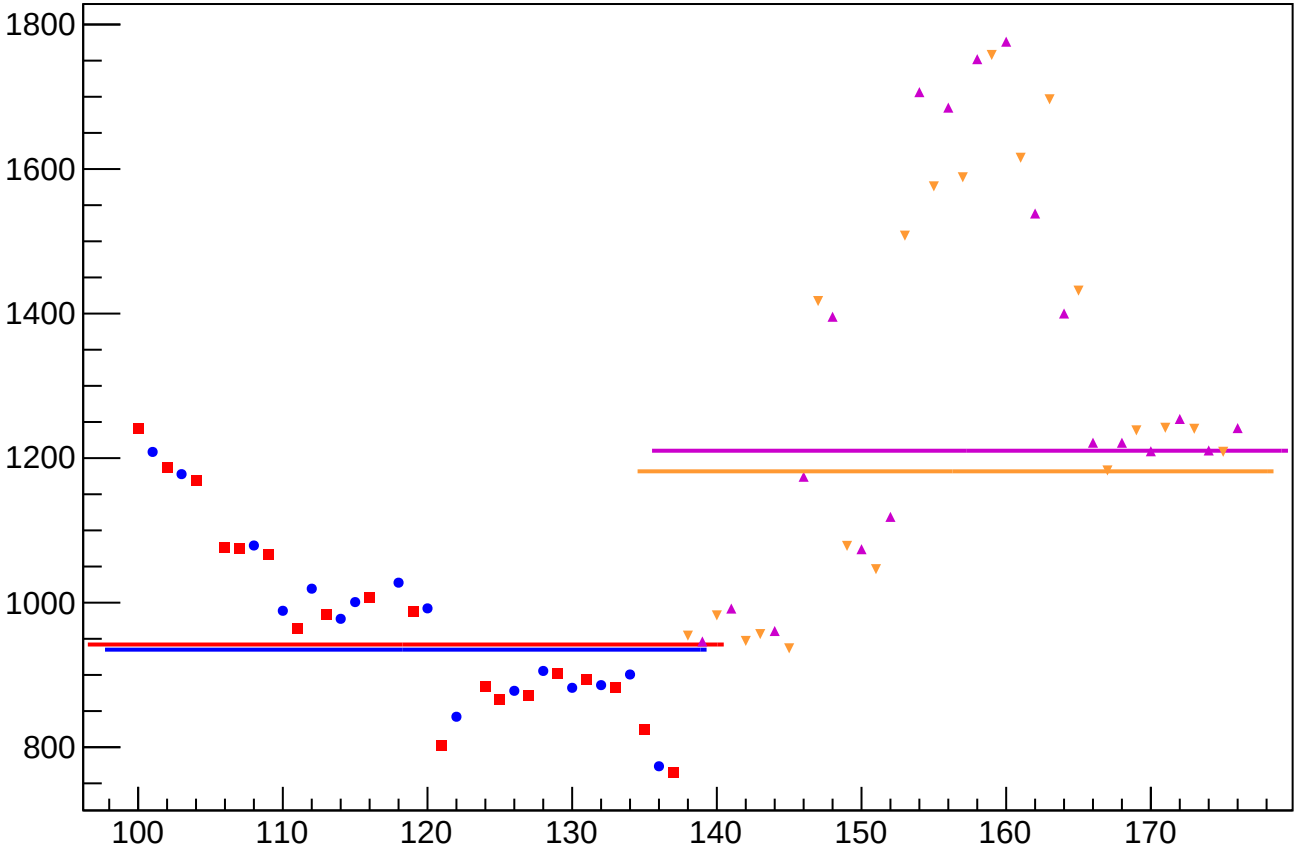
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.143+/-0.234 χ^2/NDF:352.3/34

Out: -1.374+/-0.229 χ^2/NDF:326.2/38

All: -0.773+/-0.163 χ^2/NDF: 692.6/73

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1181.728+/-0.215 χ^2/NDF:1284235.2/19

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1210.235+/-0.222 χ^2/NDF:1113956.8/18

Left: 1195.519+/-0.155 χ^2/NDF: 2406688.1/38

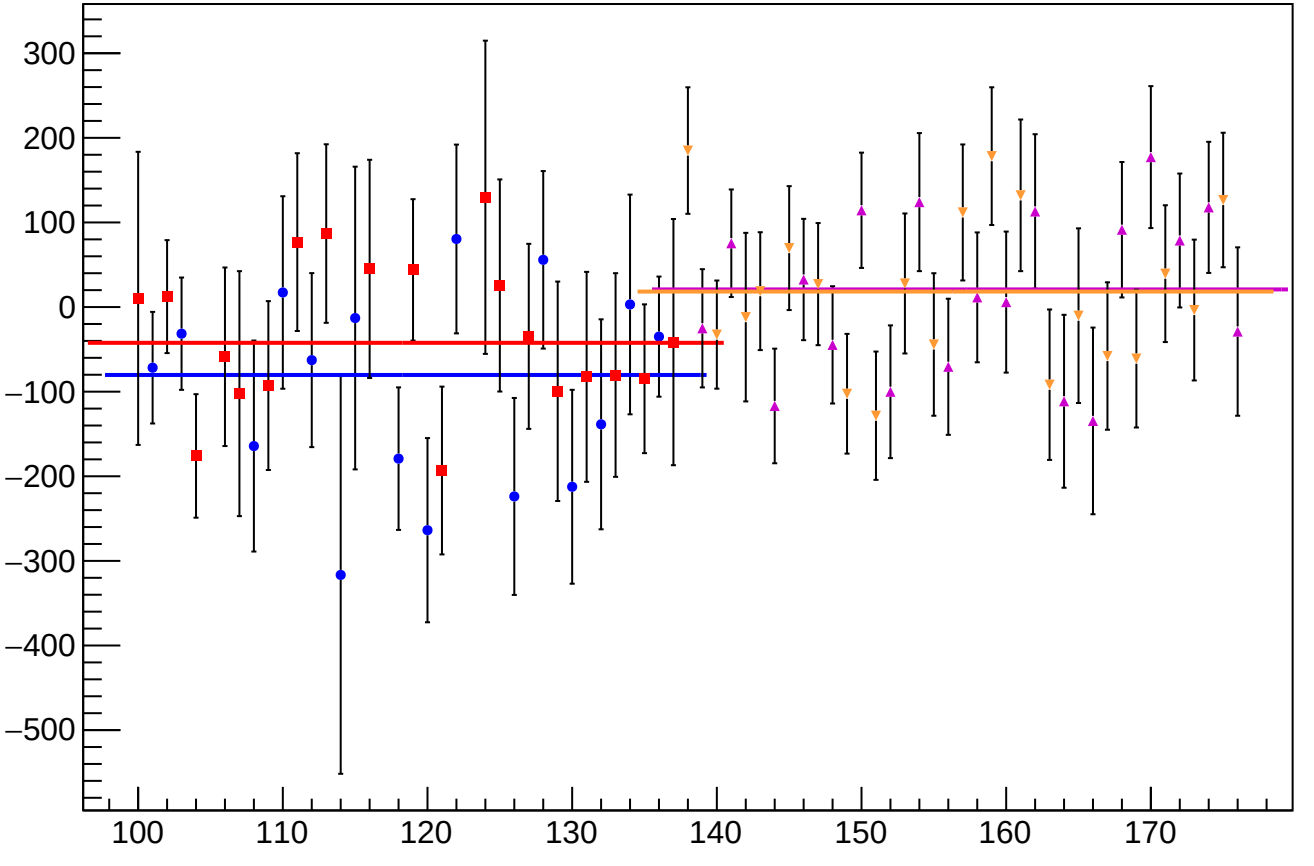
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1087.550+/-0.165 χ^2/NDF:2052236.3/34

Out: 1077.378+/-0.162 χ^2/NDF:2057121.0/38

All: 1082.345+/-0.116 χ^2/NDF: 4111291.6/73

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 18.324+/-17.793 χ^2/NDF:25.6/19

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 20.855+/-17.981 χ^2/NDF:24.7/18

Left: 19.576+/-12.648 χ^2/NDF: 50.3/38

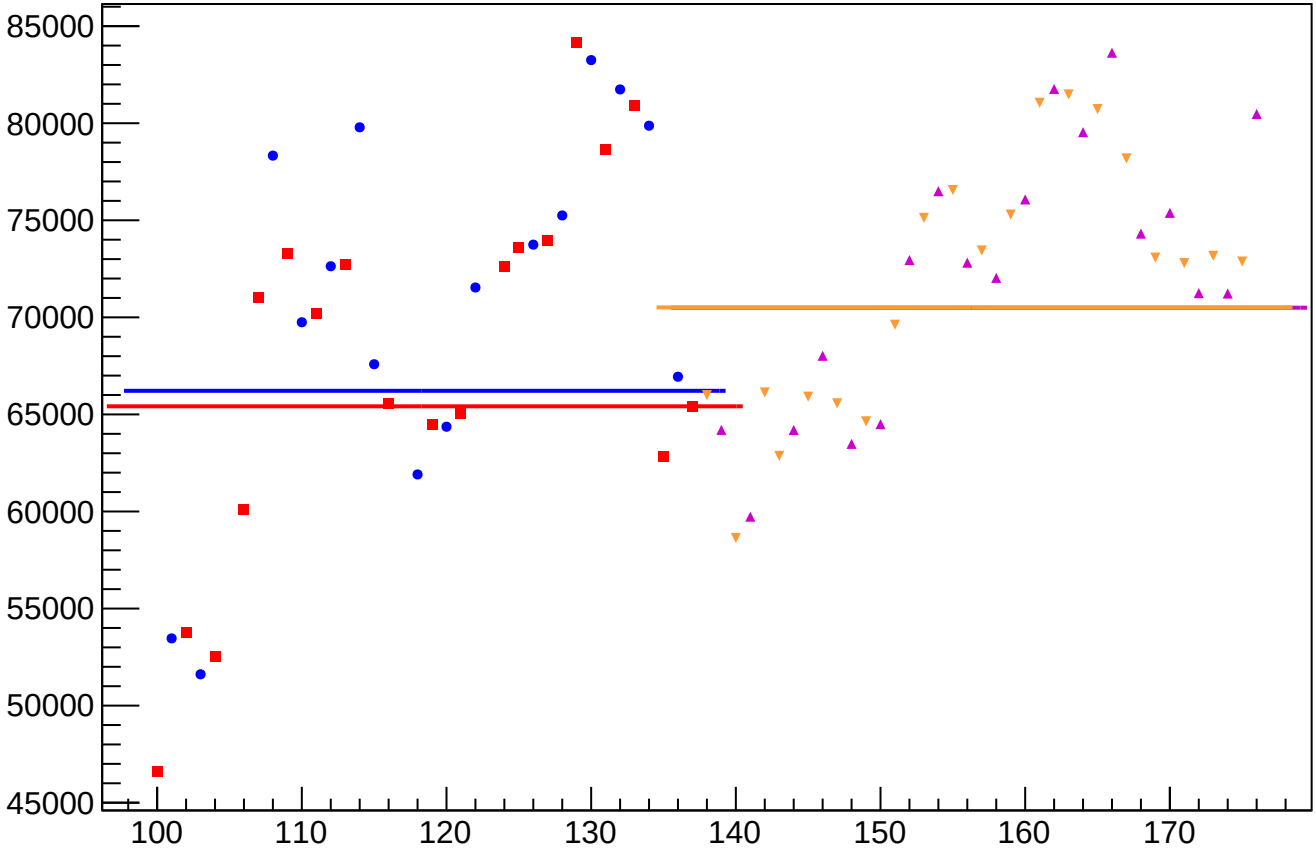
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -13.783+/-14.580 χ^2/NDF:50.3/34

Out: -3.000+/-14.324 χ^2/NDF:42.6/38

All: -8.296+/-10.218 χ^2/NDF: 93.2/73

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70511.345+/-12.582 χ^2/NDF:262394.3/19

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 70497.399+/-12.715 χ^2/NDF:259695.8/18

Left: 70504.446+/-8.943 χ^2/NDF: 522090.7/38

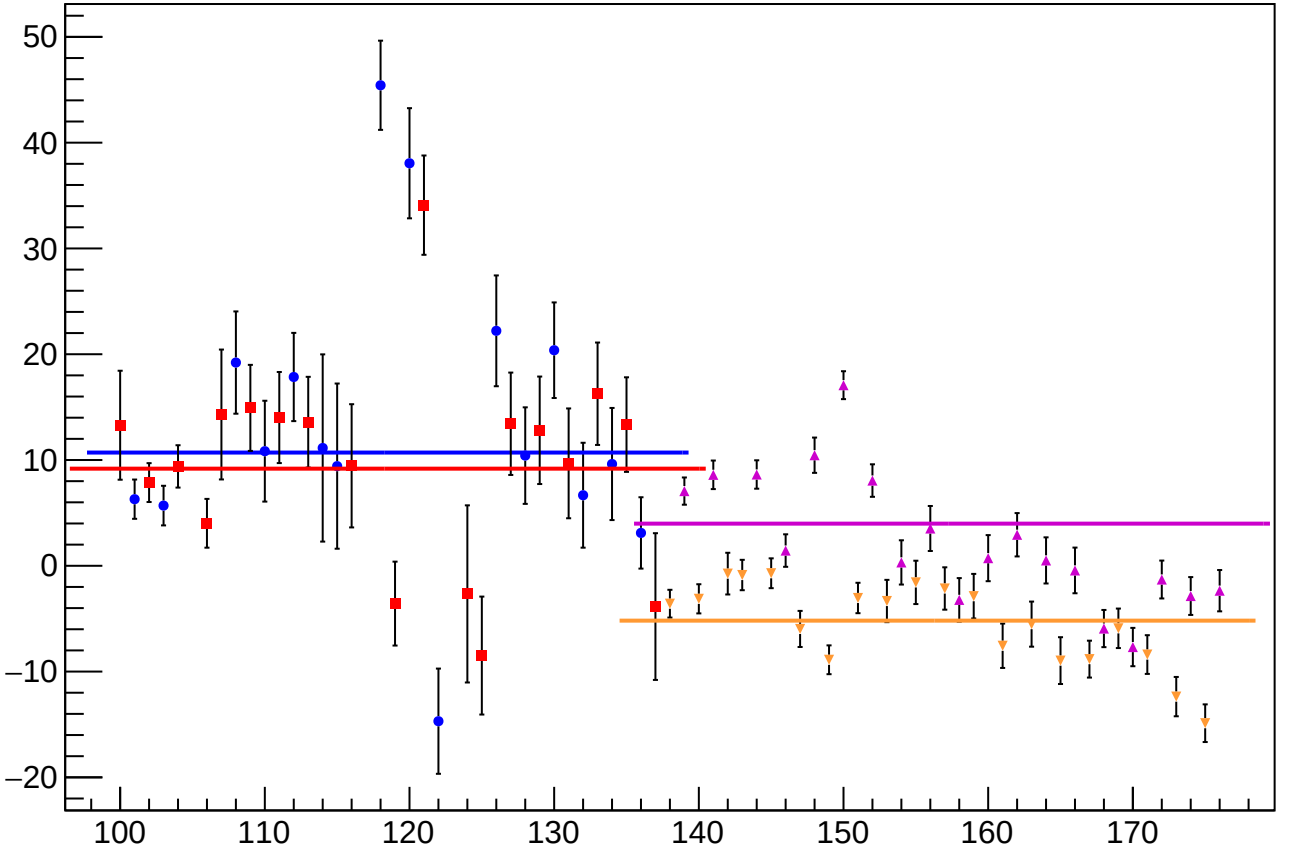
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 69030.673+/-10.309 χ^2/NDF:636915.5/34

Out: 68718.940+/-10.128 χ^2/NDF:624616.3/38

All: 68872.048+/-7.225 χ^2/NDF: 1261997.1/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.185+/-0.382 χ^2/NDF:101.6/19

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 3.985+/-0.390 χ^2/NDF:284.4/18

Left: -0.700+/-0.273 χ^2/NDF: 667.9/38

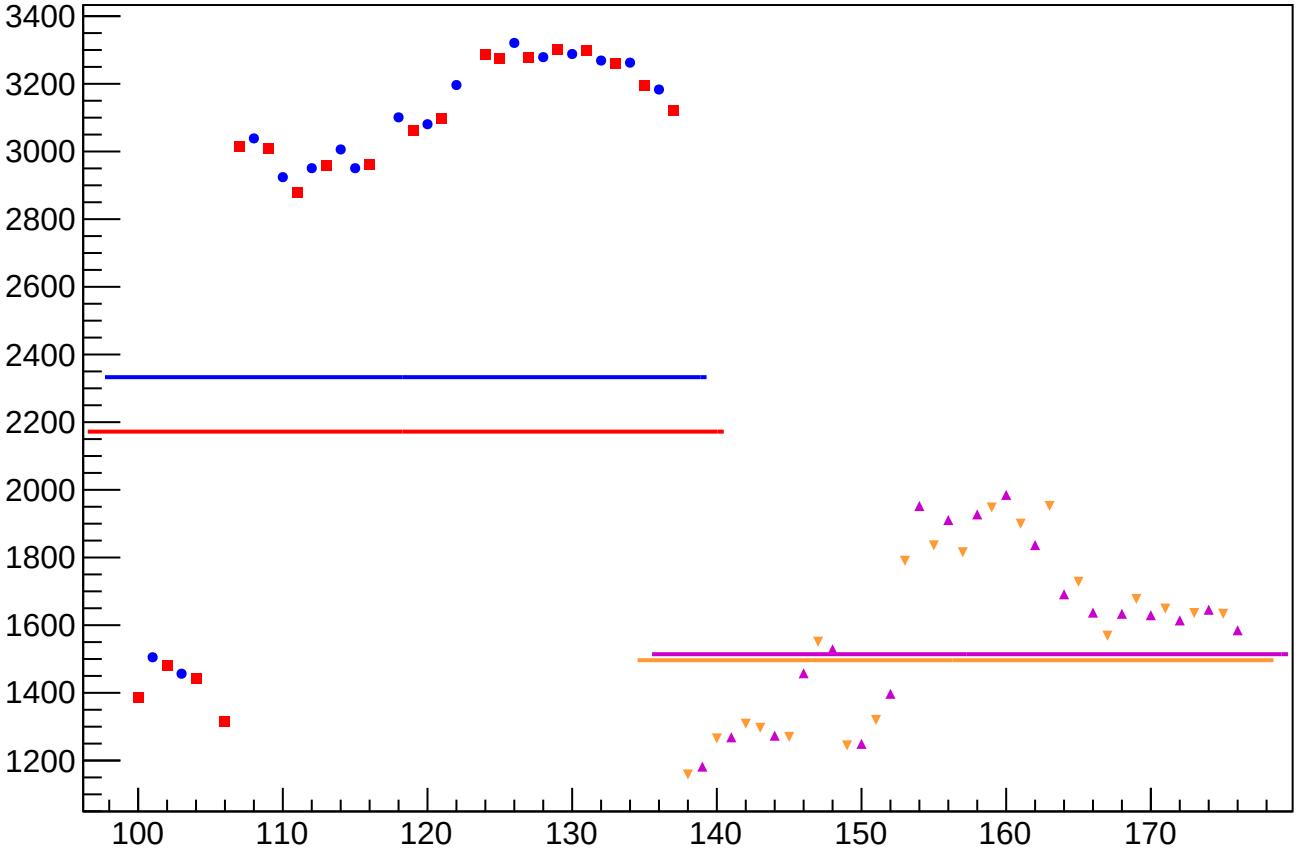
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.009+/-0.359 χ^2/NDF:485.1/34

Out: -2.772+/-0.348 χ^2/NDF:408.8/38

All: 0.998+/-0.250 χ^2/NDF: 1135.5/73

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1496.465+/-0.270 χ^2/NDF:885151.7/19

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1514.219+/-0.276 χ^2/NDF:796334.6/18

Left: 1505.149+/-0.193 χ^2/NDF: 1683599.7/38

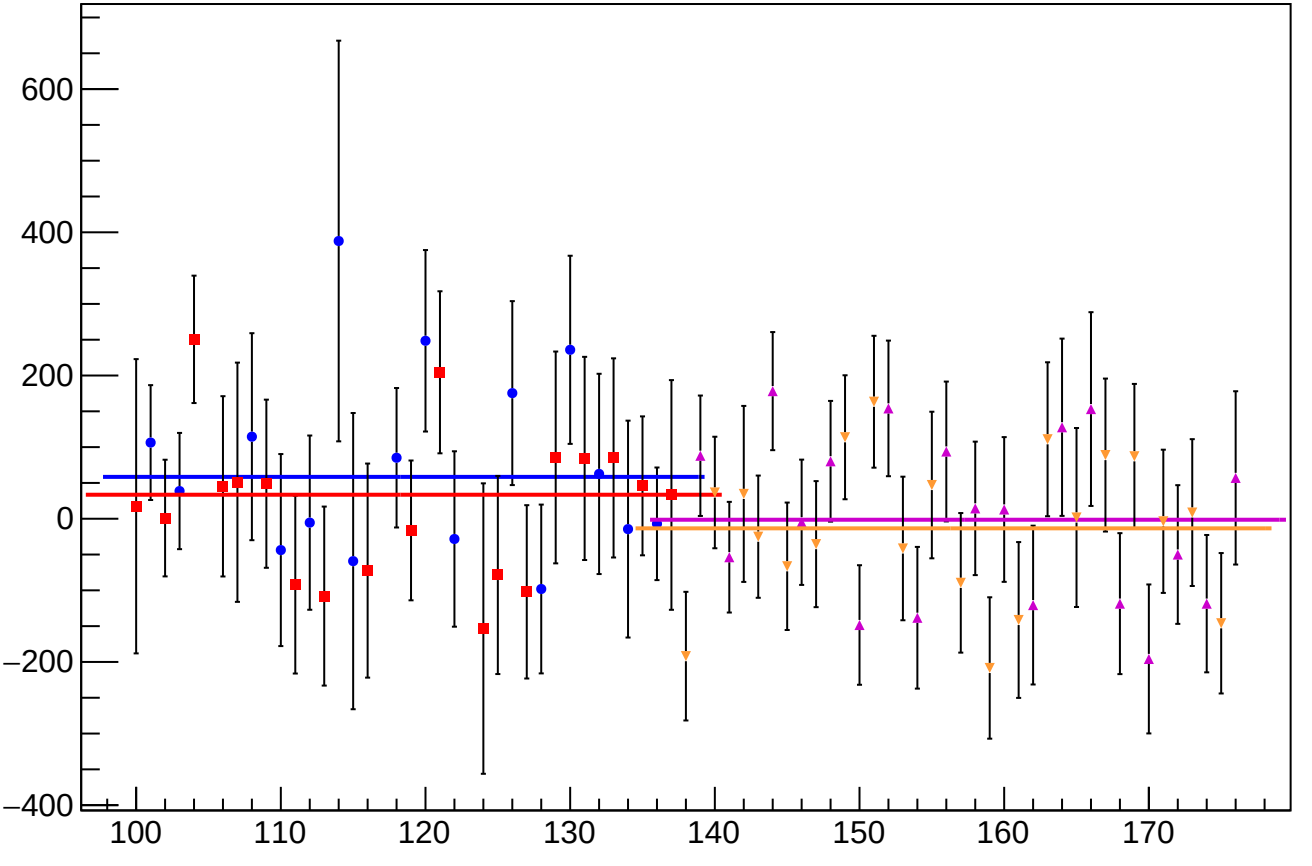
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1639.025+/-0.254 χ^2/NDF:3788873.1/34

Out: 1609.951+/-0.246 χ^2/NDF:3920185.3/38

All: 1624.038+/-0.177 χ^2/NDF: 7715804.9/73

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -13.422+/-21.710 χ^2/NDF:22.3/19

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -1.401+/-21.911 χ^2/NDF:26.4/18

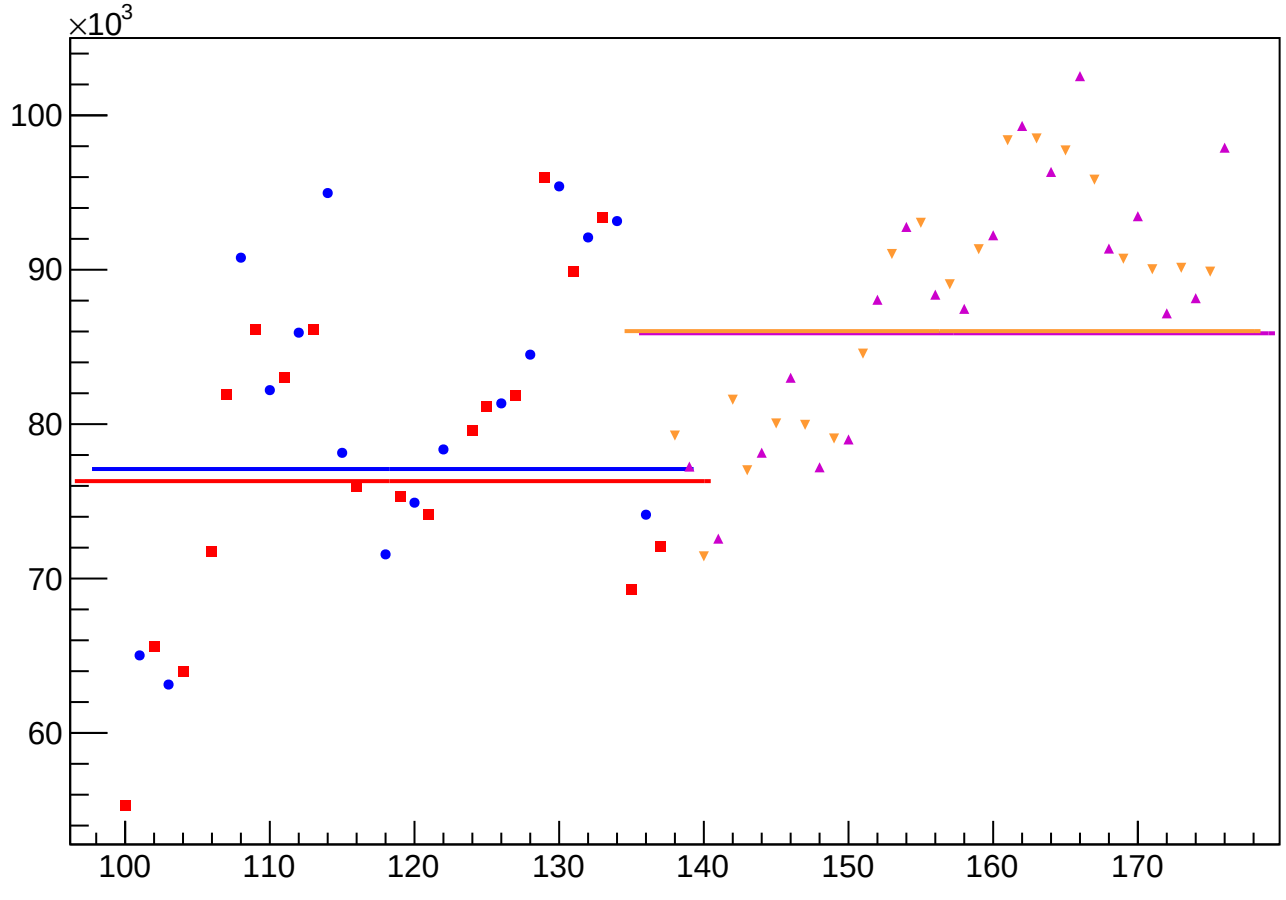
Left: -7.467+/-15.422 χ^2/NDF: 48.8/38

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 20.427+/-17.464 χ^2/NDF:40.4/34

Out: 4.121+/-17.181 χ^2/NDF:38.7/38

All: 12.141+/-12.248 χ^2/NDF: 79.6/73



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86024.160+/-15.352 χ^2/NDF:261429.0/19

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 85884.145+/-15.494 χ^2/NDF:267334.1/18

Left: 85954.797+/-10.905 χ^2/NDF: 528804.3/38

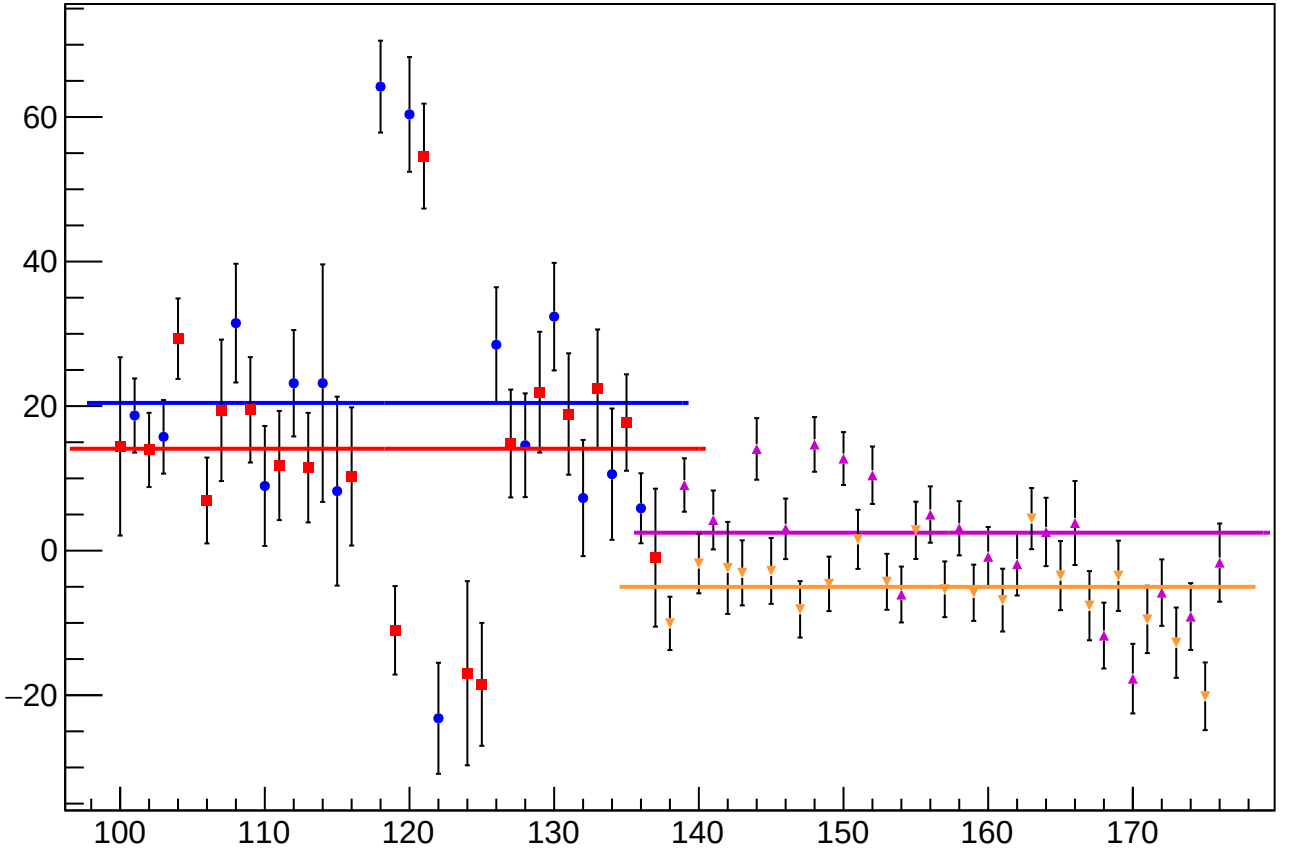
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 82677.808+/-12.349 χ^2/NDF:633297.2/34

Out: 82393.431+/-12.149 χ^2/NDF:645536.9/38

All: 82533.299+/-8.661 χ^2/NDF: 1279103.6/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.013+/-0.960 χ^2/NDF:29.8/19

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.485+/-0.970 χ^2/NDF:77.6/18

Left: -1.304+/-0.682 χ^2/NDF: 137.6/38

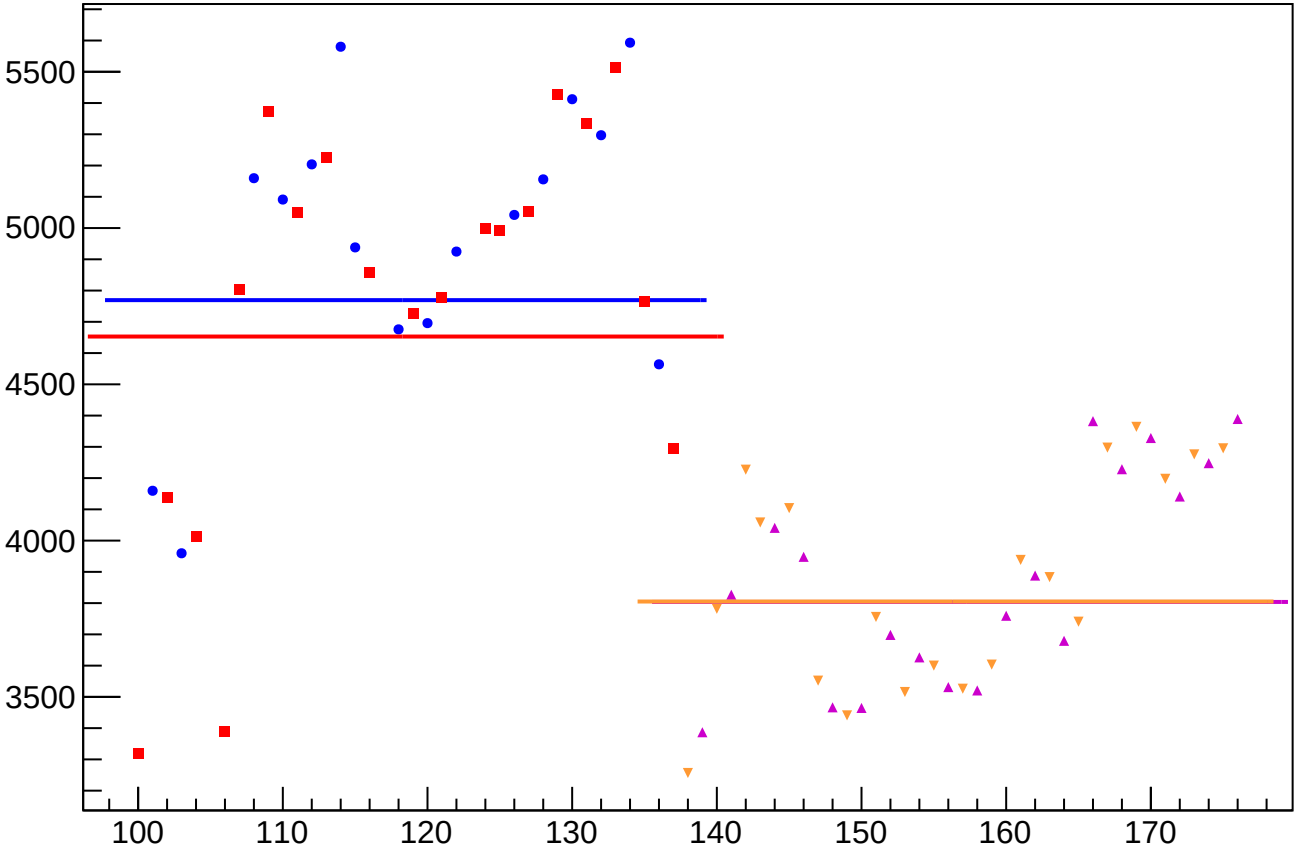
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.590+/-0.852 χ^2/NDF:283.7/34

Out: -0.448+/-0.837 χ^2/NDF:208.3/38

All: 3.010+/-0.597 χ^2/NDF: 526.8/73

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3805.125+/-0.679 χ^2/NDF:232995.1/19

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3803.761+/-0.686 χ^2/NDF:209749.6/18

Left: 3804.450+/-0.482 χ^2/NDF: 442746.7/38

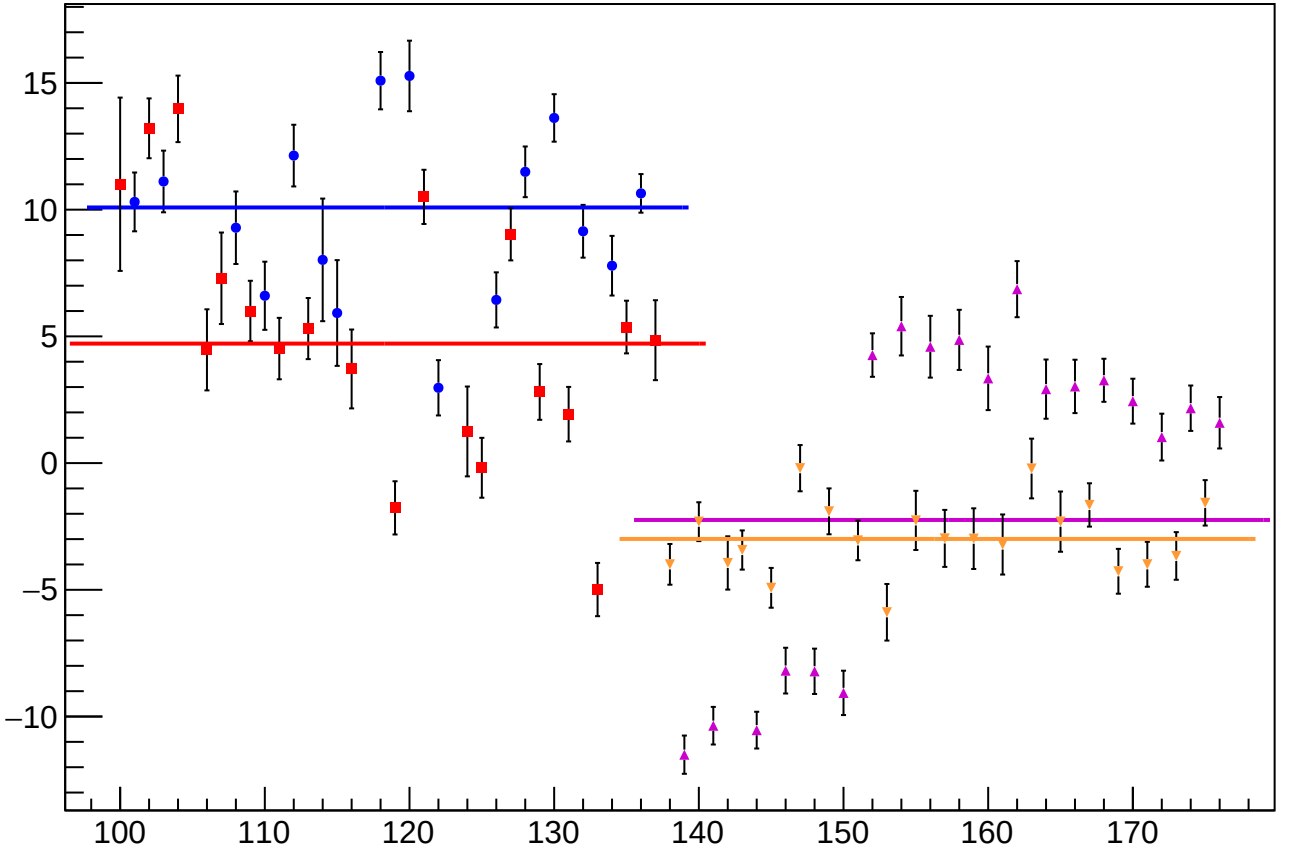
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4024.481+/-0.602 χ^2/NDF:814463.2/34

Out: 4007.560+/-0.592 χ^2/NDF:870777.9/38

All: 4015.874+/-0.422 χ^2/NDF: 1685642.4/73

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.993+/-0.209 χ^2/NDF:42.2/19

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.244+/-0.214 χ^2/NDF:971.8/18

Left: -2.627+/-0.149 χ^2/NDF: 1020.3/38

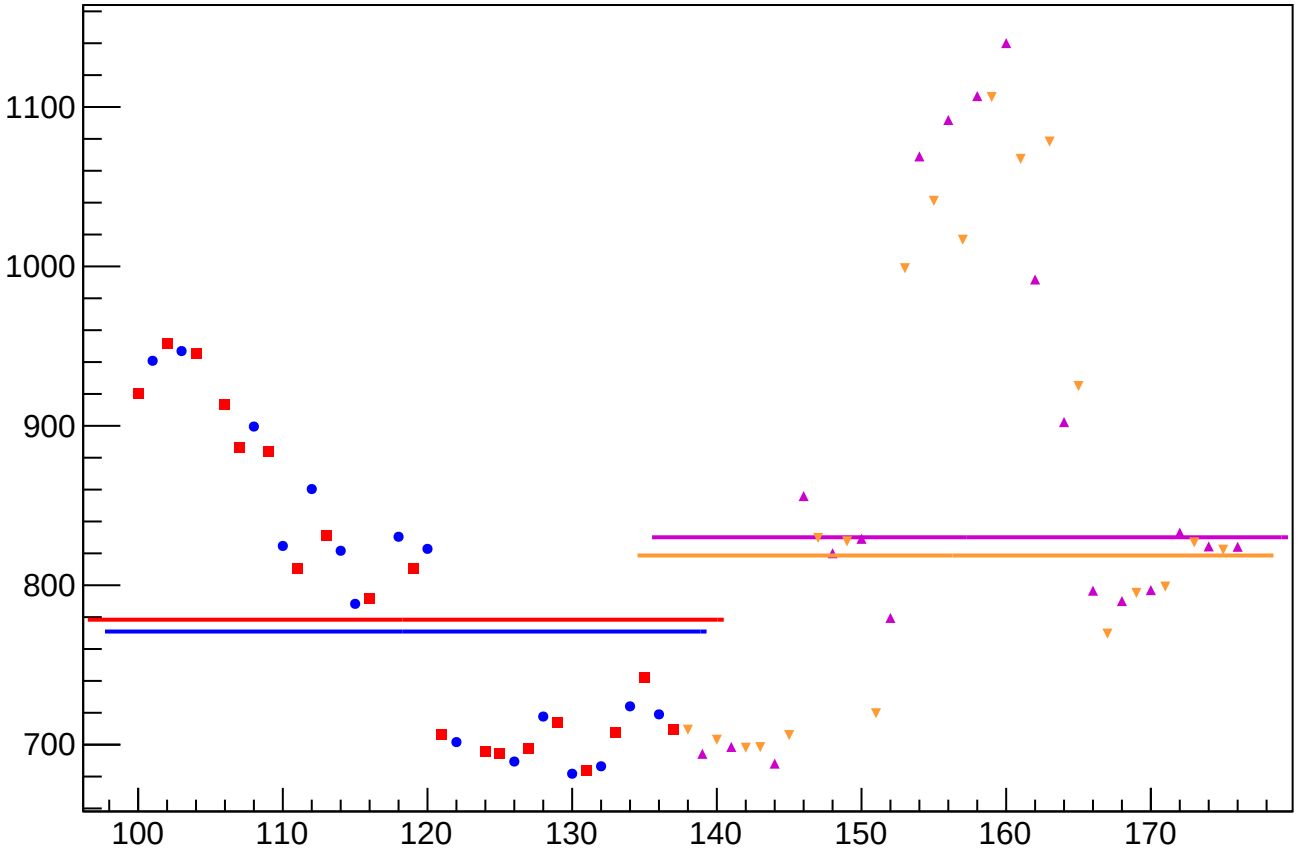
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.128+/-0.172 χ^2/NDF:2275.7/34

Out: -0.312+/-0.169 χ^2/NDF:826.9/38

All: 0.885+/-0.120 χ^2/NDF: 3205.5/73

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.679+/-0.148 χ^2/NDF:743390.7/19

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.087+/-0.151 χ^2/NDF:682081.6/18

Left: 824.246+/-0.106 χ^2/NDF: 1428389.2/38

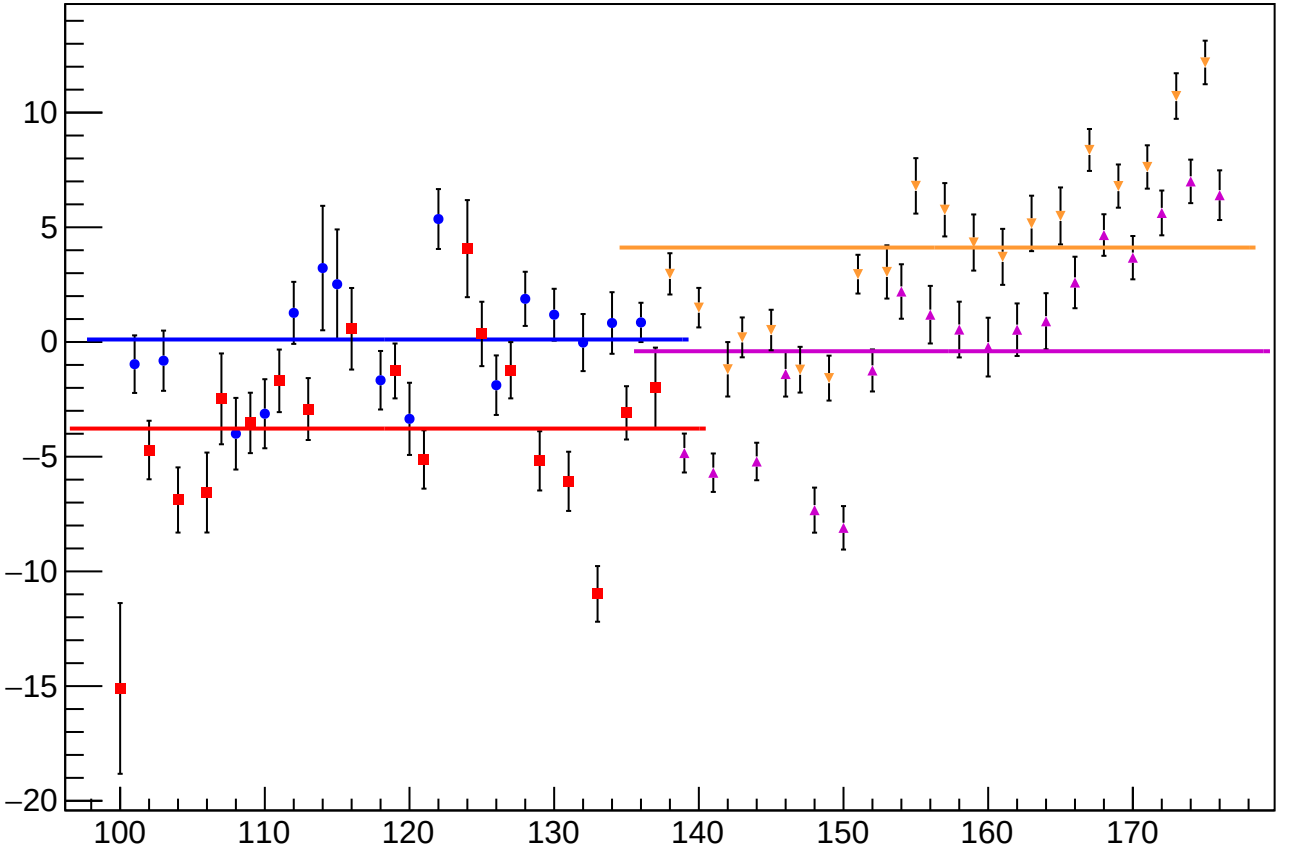
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 809.125+/-0.121 χ^2/NDF:929233.0/34

Out: 804.668+/-0.119 χ^2/NDF:965858.6/38

All: 806.855+/-0.085 χ^2/NDF: 1895777.7/73

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.117+/-0.225 χ^2/NDF:301.9/19

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.403+/-0.230 χ^2/NDF:423.9/18

Left: 1.908+/-0.161 χ^2/NDF: 923.1/38

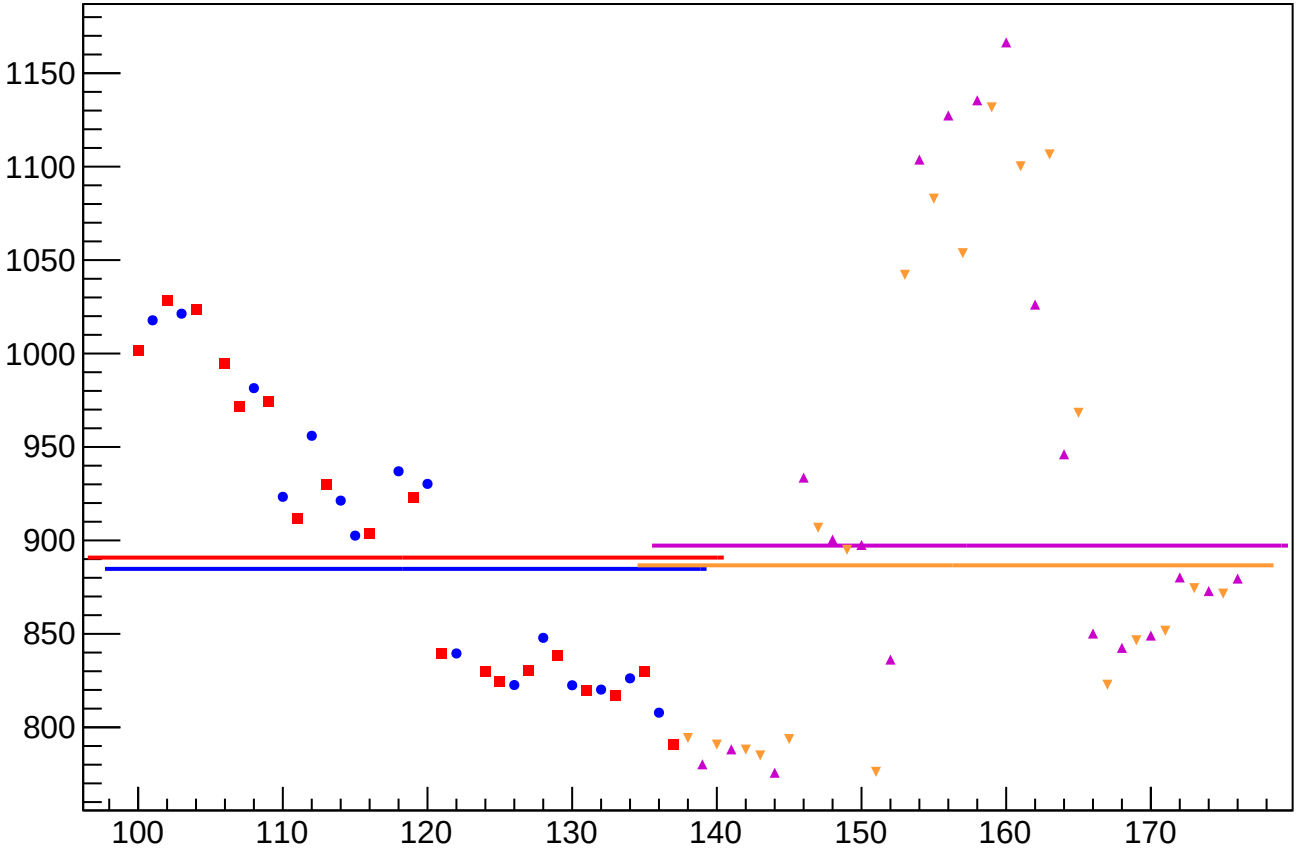
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.235+/-0.189 χ^2/NDF:470.9/34

Out: 1.572+/-0.185 χ^2/NDF:798.2/38

All: 0.685+/-0.132 χ^2/NDF: 1315.8/73

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.669+/-0.159 χ^2/NDF:507542.6/19

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 897.232+/-0.163 χ^2/NDF:467762.8/18

Left: 891.833+/-0.114 χ^2/NDF: 977460.4/38

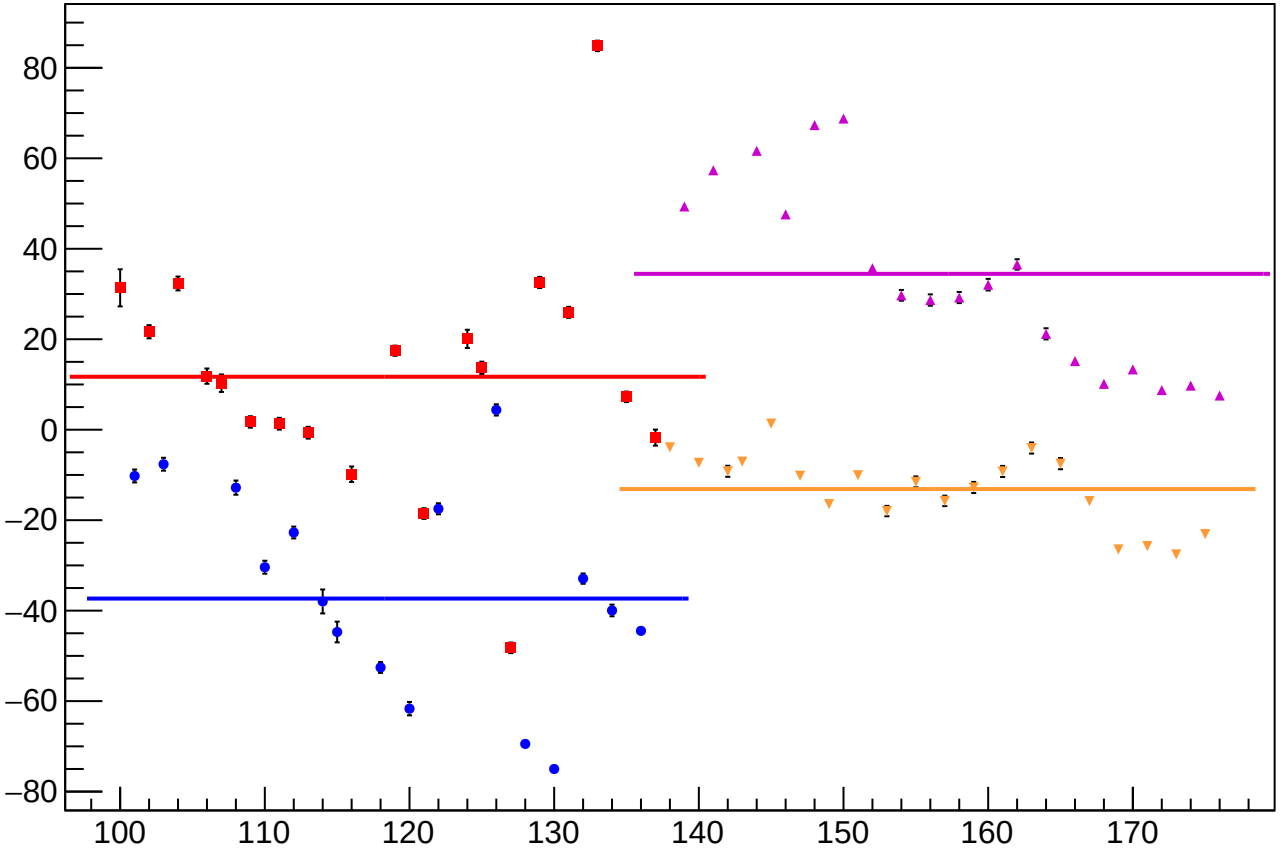
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.156+/-0.133 χ^2/NDF:574176.0/34

Out: 888.007+/-0.131 χ^2/NDF:615525.3/38

All: 890.532+/-0.093 χ^2/NDF: 1190459.9/73

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.119+/-0.227 χ^2/NDF:1319.9/19

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 34.458+/-0.233 χ^2/NDF:8028.6/18

Left: 10.055+/-0.163 χ^2/NDF: 30752.9/38

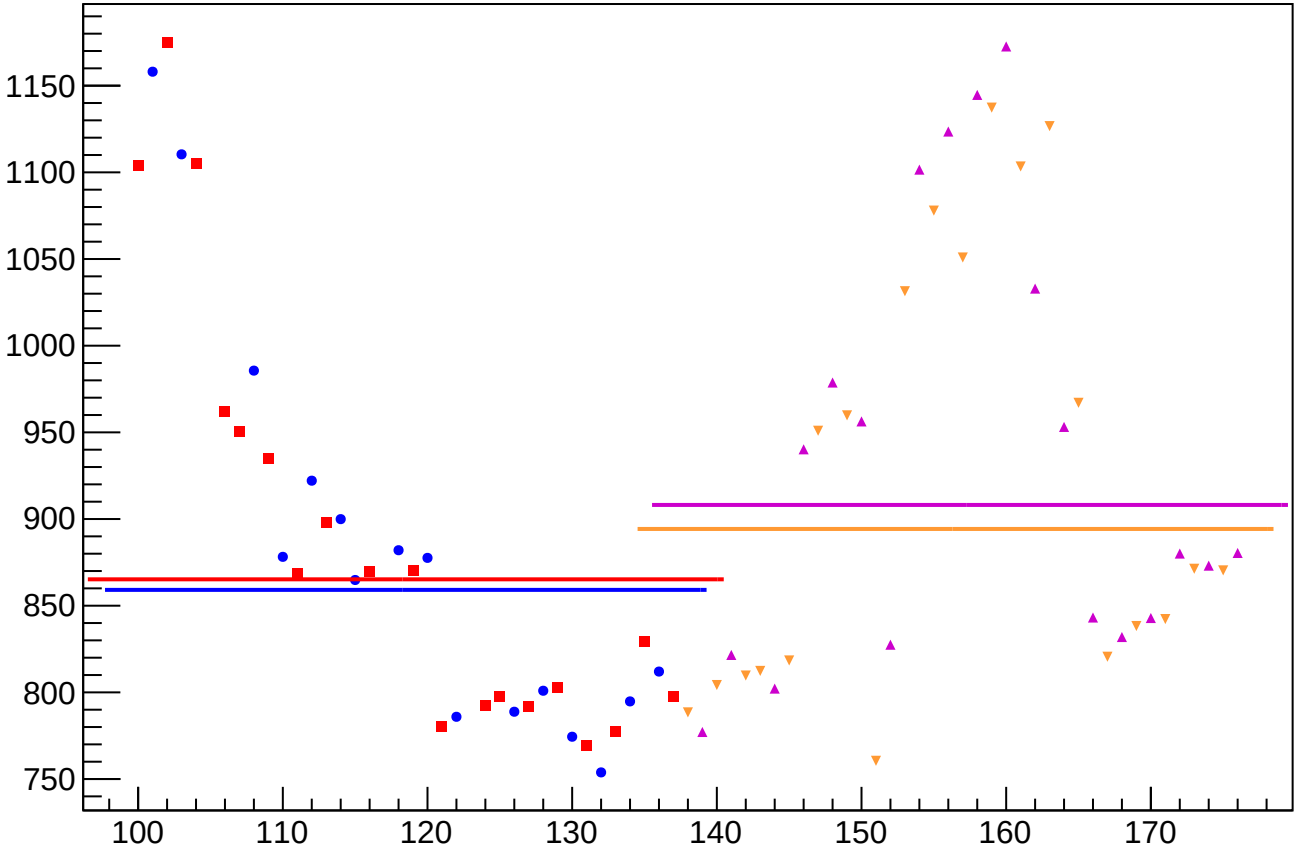
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.775+/-0.189 χ^2/NDF:45881.0/34

Out: -4.738+/-0.185 χ^2/NDF:13822.7/38

All: 2.365+/-0.132 χ^2/NDF: 62725.1/73

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.277+/-0.160 χ^2/NDF:509973.8/19

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 908.128+/-0.165 χ^2/NDF:464188.2/18

Left: 901.024+/-0.115 χ^2/NDF: 977790.2/38

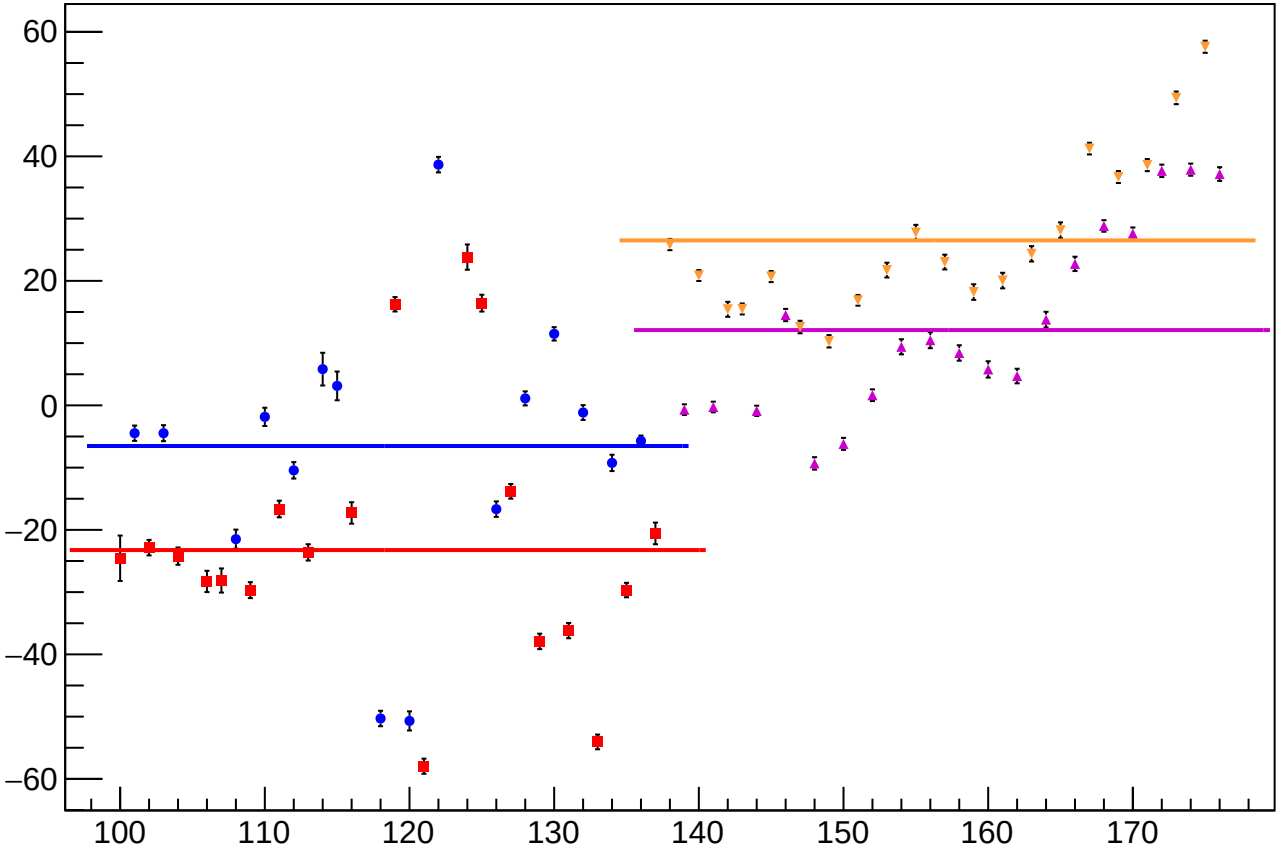
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 891.279+/-0.133 χ^2/NDF:723340.4/34

Out: 884.465+/-0.131 χ^2/NDF:744715.3/38

All: 887.800+/-0.093 χ^2/NDF: 1469387.8/73

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 26.501+/-0.230 χ^2/NDF:3034.4/19

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 12.094+/-0.235 χ^2/NDF:4232.7/18

Left: 19.461+/-0.164 χ^2/NDF: 9191.0/38

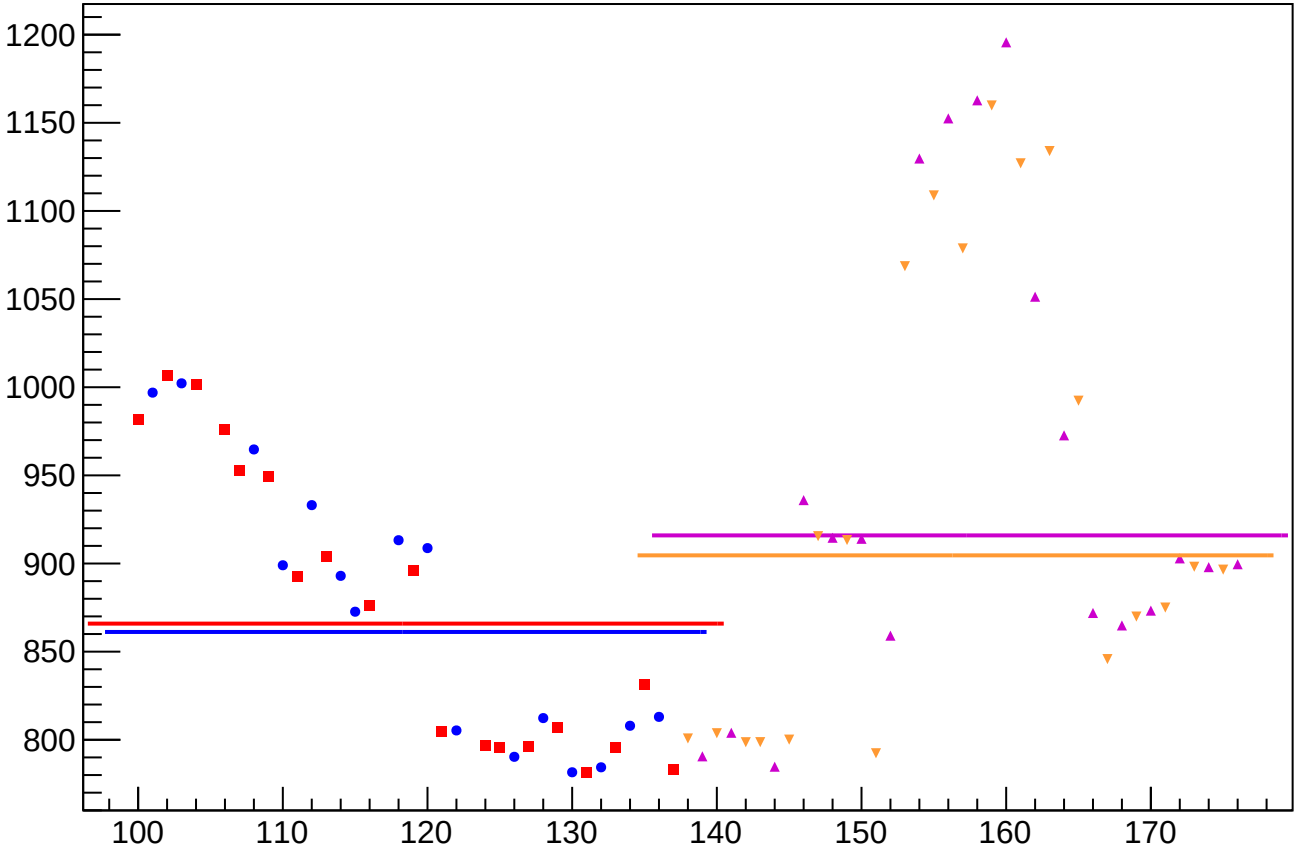
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 5.606+/-0.190 χ^2/NDF:10369.3/34

Out: 9.386+/-0.186 χ^2/NDF:23654.7/38

All: 7.533+/-0.133 χ^2/NDF: 34226.7/73

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.626+/-0.162 χ^2/NDF:531043.0/19

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 915.951+/-0.166 χ^2/NDF:479772.1/18

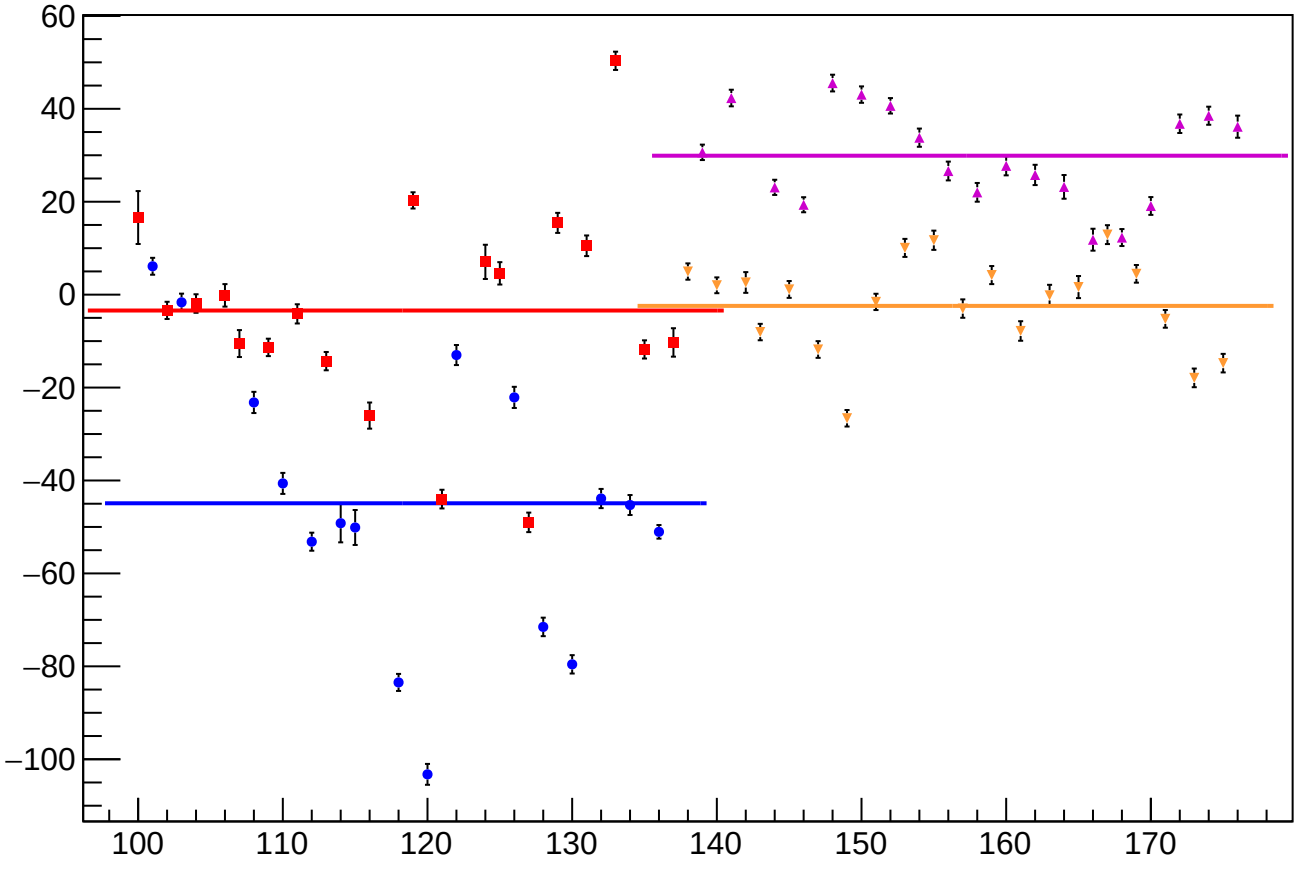
Left: 910.160+/-0.116 χ^2/NDF: 1013192.7/38

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.864+/-0.134 χ^2/NDF:631210.6/34

Out: 891.305+/-0.131 χ^2/NDF:669030.7/38

All: 894.031+/-0.094 χ^2/NDF: 1301117.8/73



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.419+/-0.432 χ^2/NDF:536.3/19

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.905+/-0.438 χ^2/NDF:536.2/18

Left: 13.531+/-0.308 χ^2/NDF: 3833.3/38

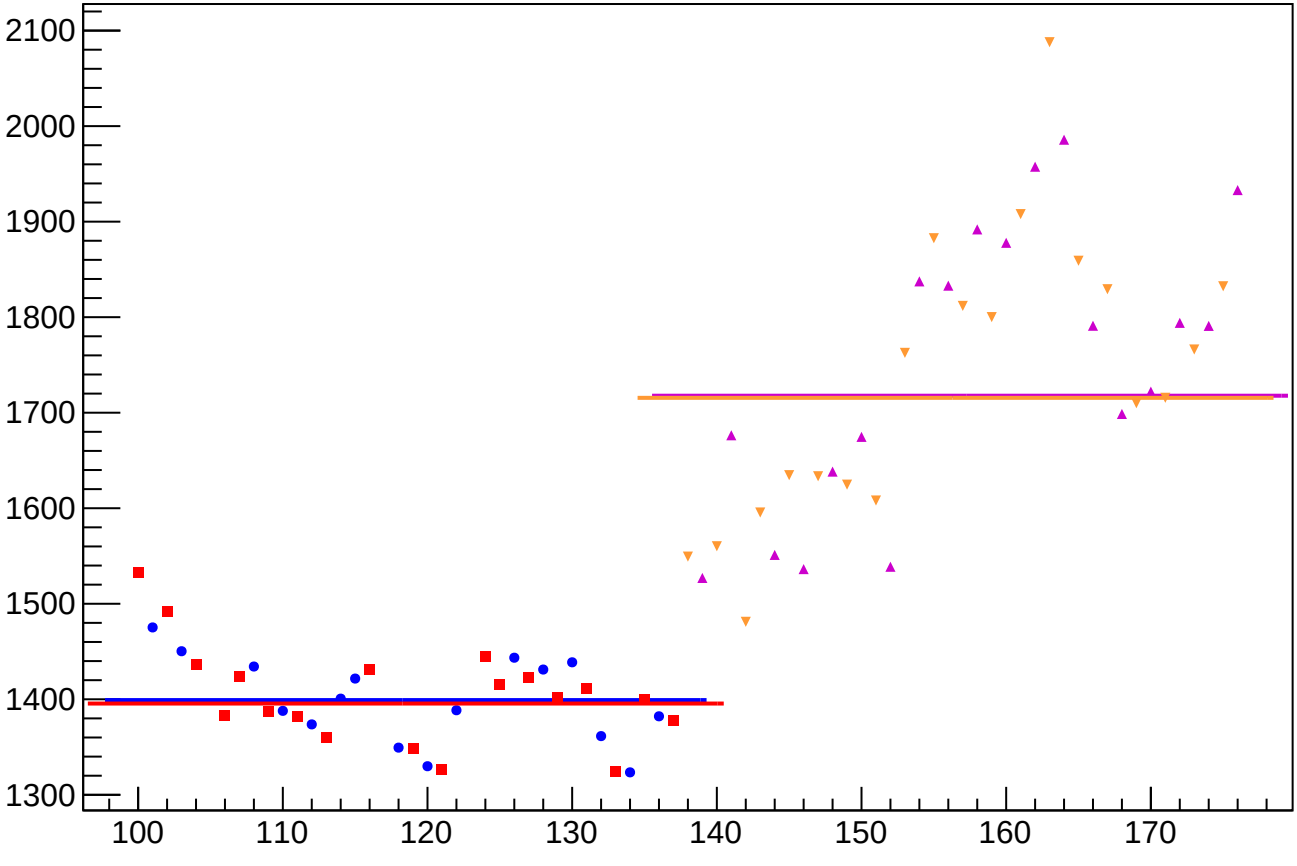
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -1.138+/-0.335 χ^2/NDF:16027.4/34

Out: -2.837+/-0.329 χ^2/NDF:2640.6/38

All: -2.001+/-0.235 χ^2/NDF: 18681.0/73

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1715.564+/-0.306 χ^2/NDF:201531.0/19

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1717.792+/-0.310 χ^2/NDF:212993.0/18

Left: 1716.663+/-0.217 χ^2/NDF: 414550.2/38

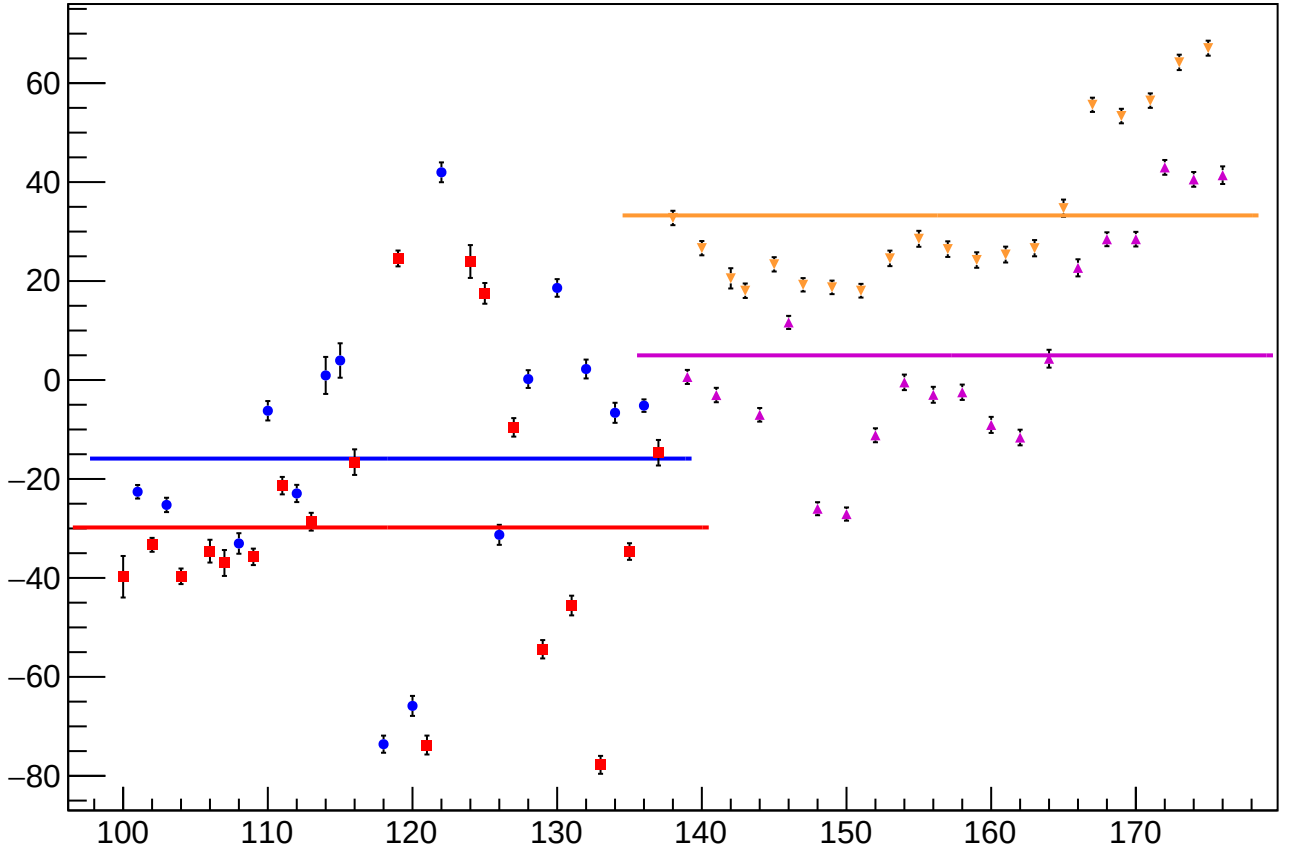
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1585.577+/-0.237 χ^2/NDF:667301.9/34

Out: 1581.562+/-0.233 χ^2/NDF:677026.9/38

All: 1583.537+/-0.166 χ^2/NDF: 1344474.9/73

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 33.265+/-0.339 χ^2/NDF:2258.1/19

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 4.981+/-0.343 χ^2/NDF:3911.7/18

Left: 19.272+/-0.241 χ^2/NDF: 9605.8/38

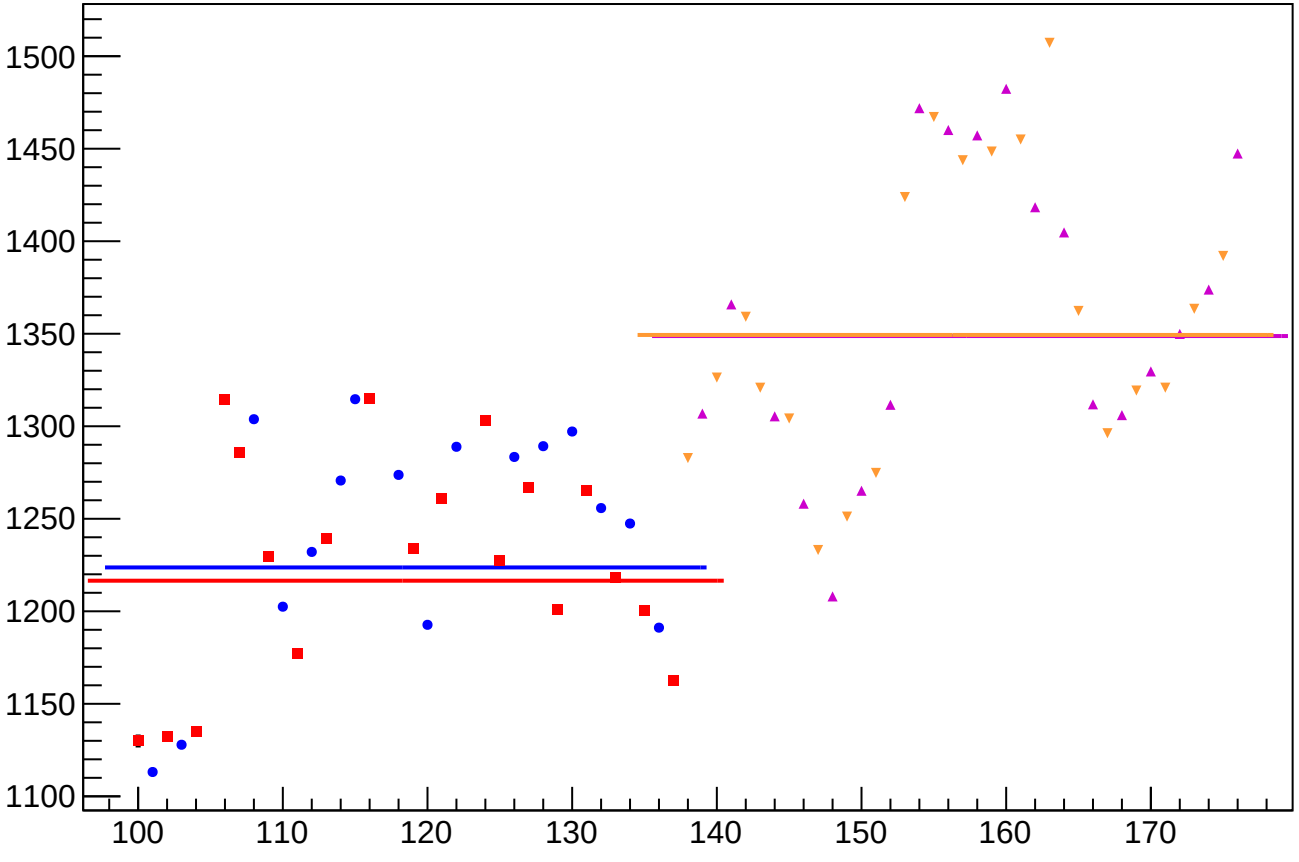
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -2.572+/-0.274 χ^2/NDF:8728.8/34

Out: 10.030+/-0.270 χ^2/NDF:18660.7/38

All: 3.827+/-0.192 χ^2/NDF: 28464.0/73

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1349.346+/-0.240 χ^2/NDF:101896.5/19

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.757+/-0.243 χ^2/NDF:106155.3/18

Left: 1349.055+/-0.171 χ^2/NDF: 208054.8/38

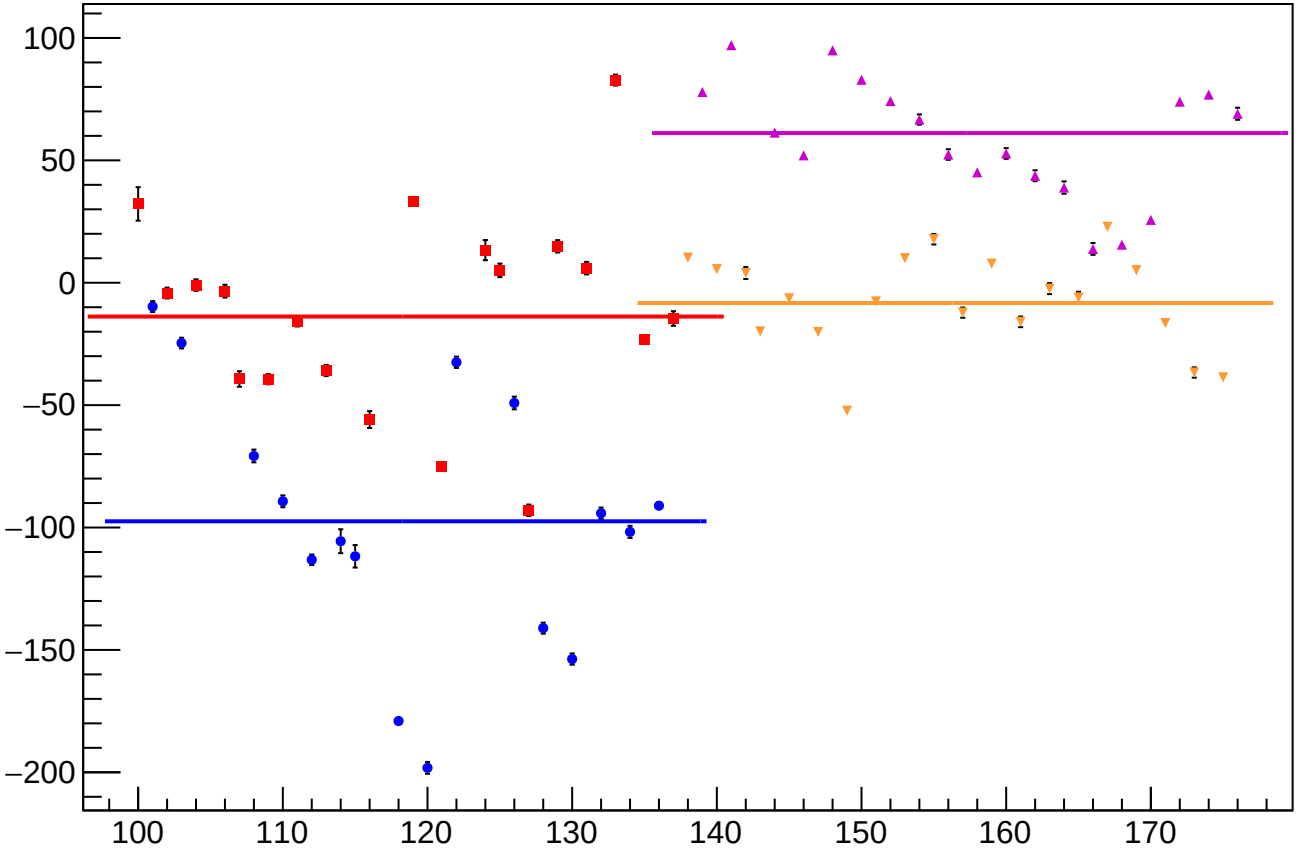
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1303.476+/-0.194 χ^2/NDF:243313.9/34

Out: 1300.414+/-0.191 χ^2/NDF:244118.2/38

All: 1301.921+/-0.136 χ^2/NDF: 487559.1/73

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.283+/-0.444 χ^2/NDF:1896.8/19

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 61.152+/-0.452 χ^2/NDF:2726.3/18

Left: 25.853+/-0.317 χ^2/NDF: 16629.3/38

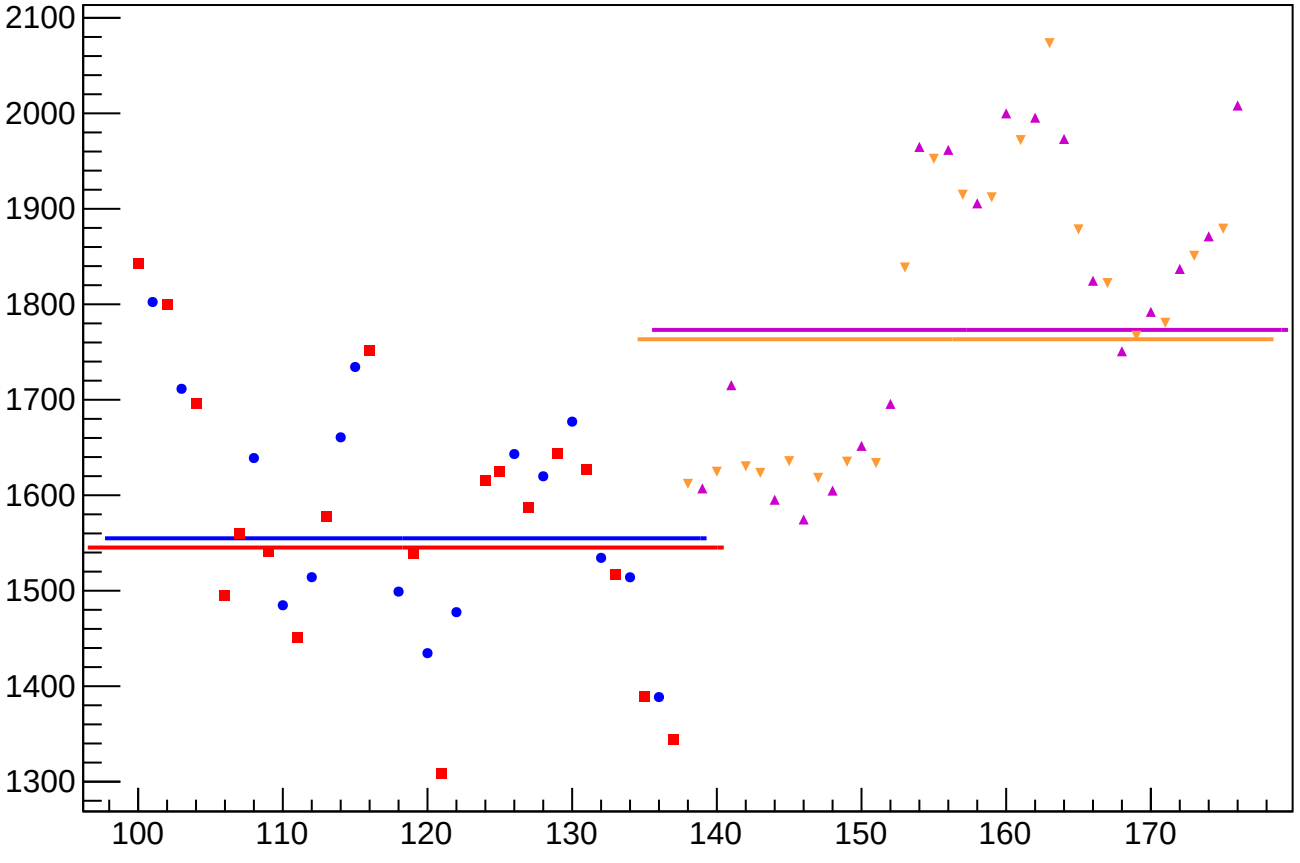
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 1.177+/-0.356 χ^2/NDF:57623.0/34

Out: -10.394+/-0.349 χ^2/NDF:7308.1/38

All: -4.721+/-0.249 χ^2/NDF: 65468.8/73

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1763.393+/-0.314 χ^2/NDF:199507.0/19

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1773.189+/-0.319 χ^2/NDF:223036.7/18

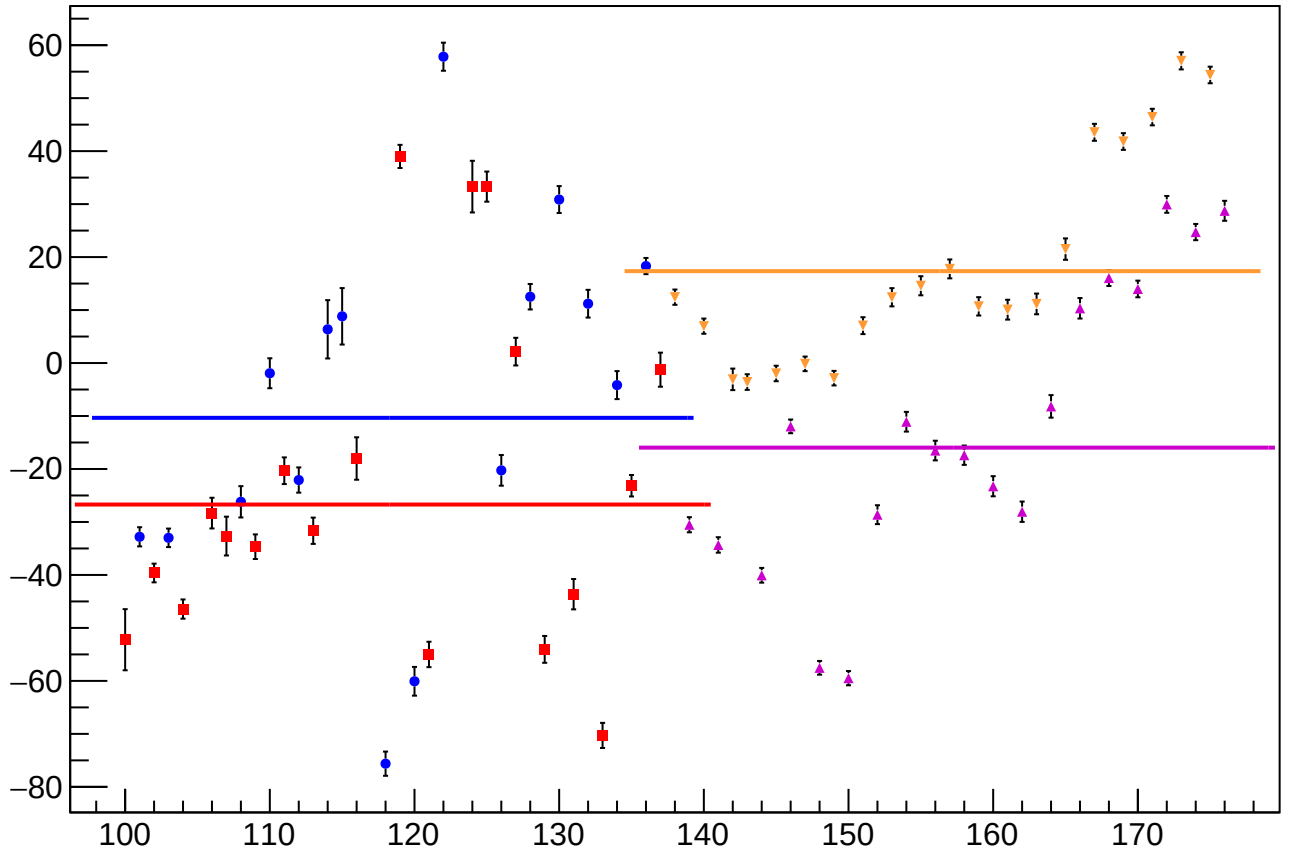
Left: 1768.209+/-0.224 χ^2/NDF: 423021.7/38

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

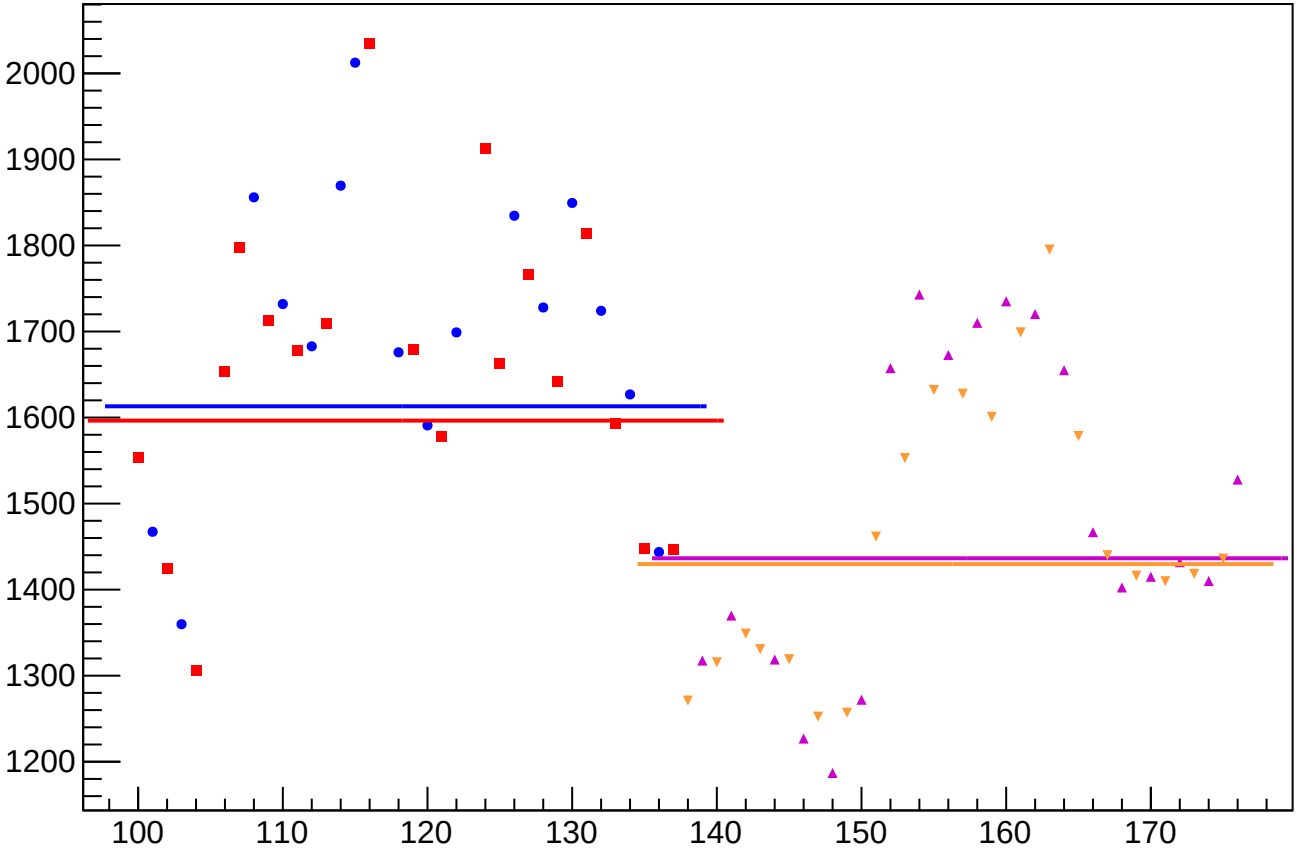
In: 1690.650+/-0.252 χ^2/NDF:487465.9/34

Out: 1680.156+/-0.247 χ^2/NDF:492261.6/38

All: 1685.300+/-0.176 χ^2/NDF: 980611.8/73


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 17.345+/-0.361 χ²/NDF:3029.7/19
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -15.969+/-0.368 χ²/NDF:5875.0/18
Left: 0.982+/-0.258 χ²/NDF: 13081.3/38
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -14.445+/-0.314 χ²/NDF:8945.4/34
Out: 5.223+/-0.308 χ²/NDF:9662.0/38
All: -4.409+/-0.220 χ²/NDF: 20609.9/73

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.723+/-0.255 χ^2/NDF:328392.1/19

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1436.432+/-0.260 χ^2/NDF:472628.7/18

Left: 1433.018+/-0.182 χ^2/NDF: 801359.6/38

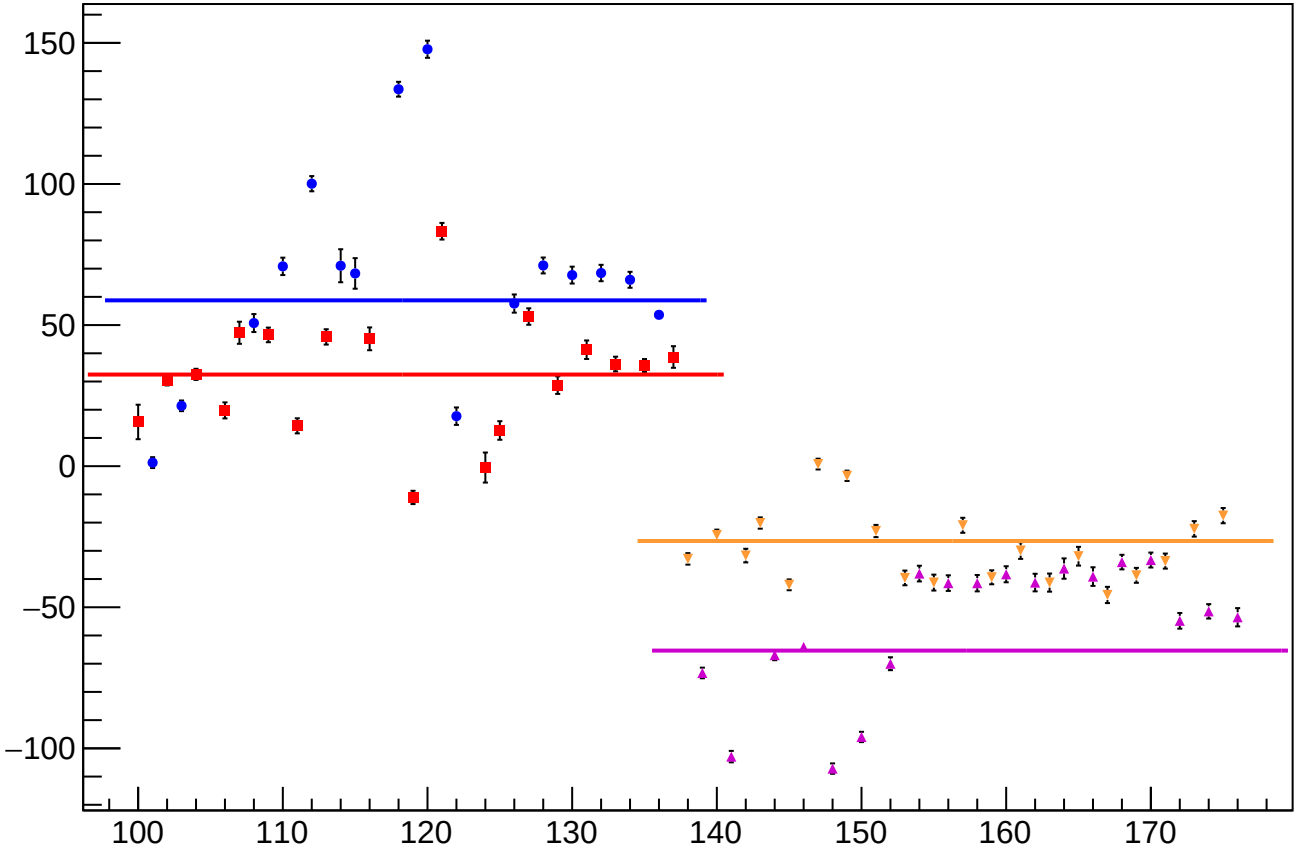
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1484.302+/-0.222 χ^2/NDF:752432.4/34

Out: 1475.598+/-0.217 χ^2/NDF:606303.3/38

All: 1479.860+/-0.155 χ^2/NDF: 1359520.1/73

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.518+/-0.531 χ^2/NDF:650.4/19

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -65.357+/-0.544 χ^2/NDF:2032.3/18

Left: -45.488+/-0.380 χ^2/NDF: 5292.2/38

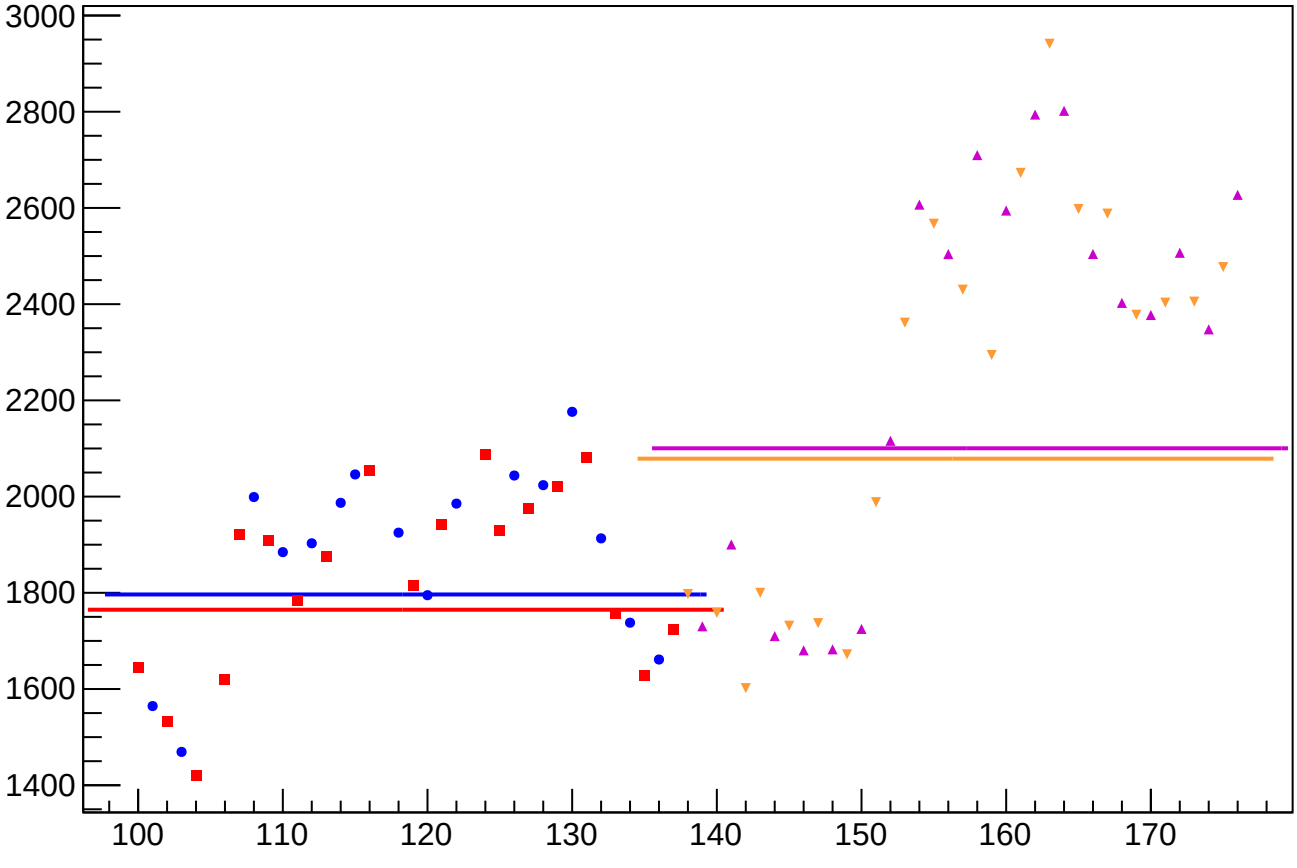
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -16.281+/-0.423 χ^2/NDF:26073.3/34

Out: -2.822+/-0.411 χ^2/NDF:6531.5/38

All: -9.361+/-0.295 χ^2/NDF: 33125.9/73

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2078.824+/-0.376 χ^2/NDF:1039502.9/19

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2100.372+/-0.385 χ^2/NDF:1116423.1/18

Left: 2089.349+/-0.269 χ^2/NDF: 2157532.4/38

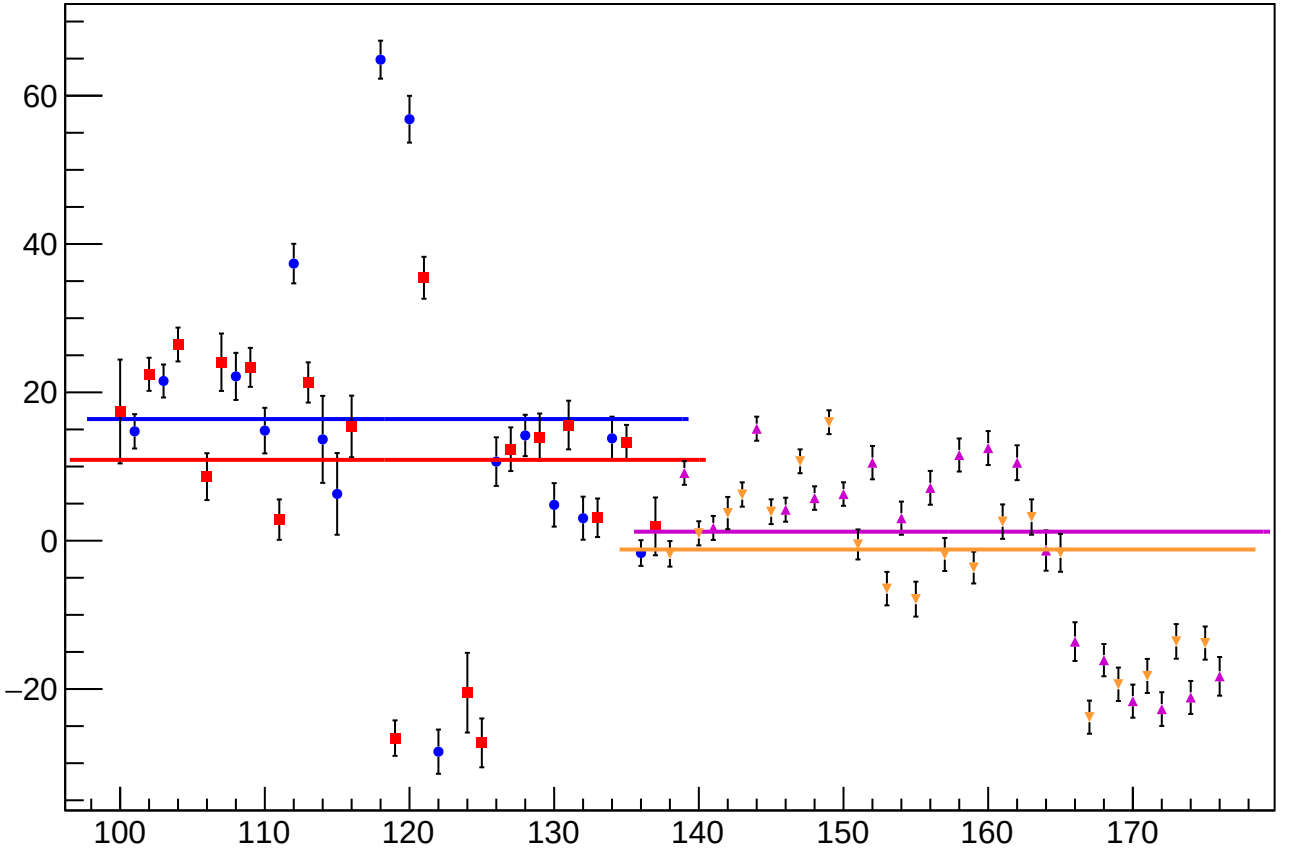
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1980.245+/-0.299 χ^2/NDF:1556430.5/34

Out: 1952.694+/-0.291 χ^2/NDF:1509999.1/38

All: 1966.078+/-0.208 χ^2/NDF: 3070795.7/73

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.185+/-0.449 χ^2/NDF:509.1/19

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 1.214+/-0.460 χ^2/NDF:674.8/18

Left: -0.013+/-0.321 χ^2/NDF: 1197.9/38

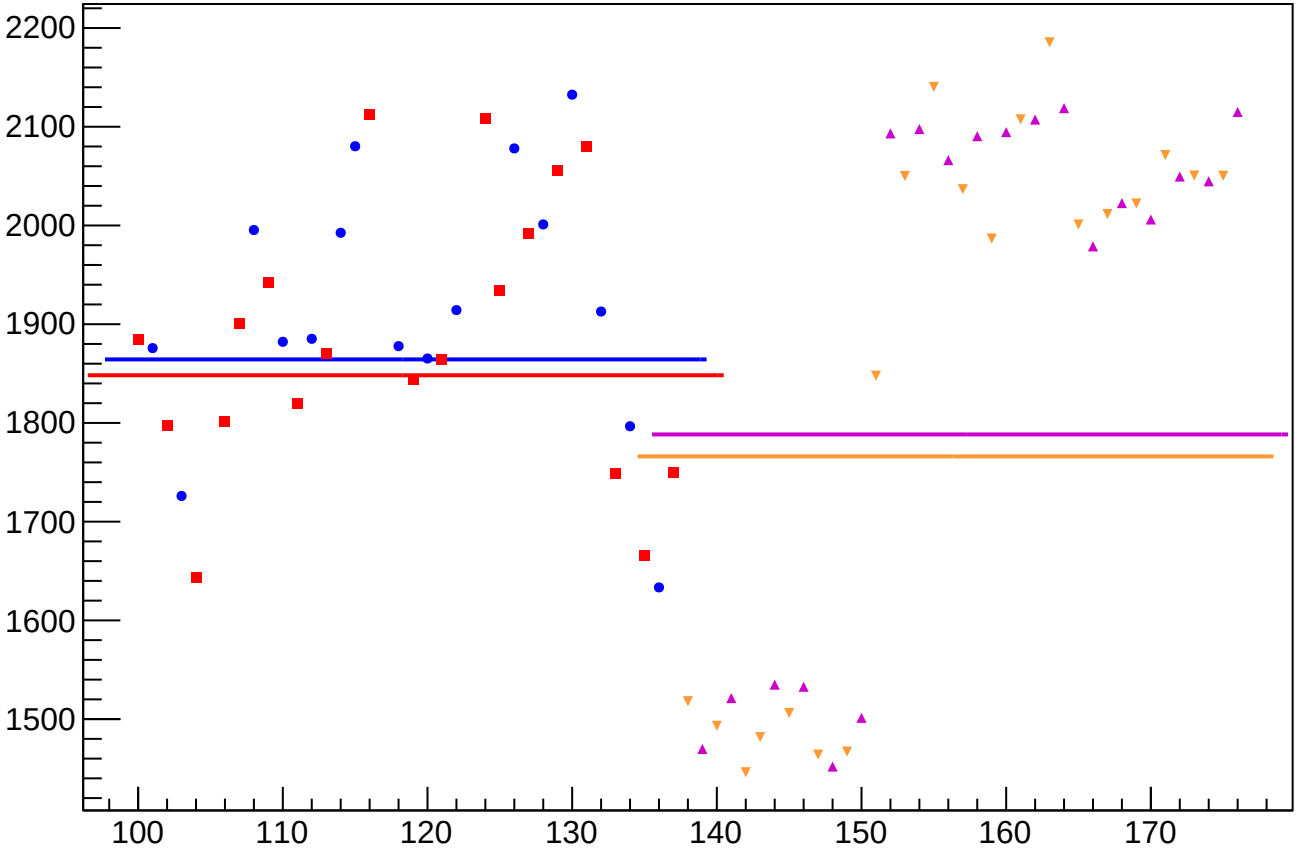
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 5.836+/-0.383 χ^2/NDF:1979.9/34

Out: 2.515+/-0.374 χ^2/NDF:1372.4/38

All: 4.135+/-0.268 χ^2/NDF: 3390.8/73

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1766.080+/-0.318 χ^2/NDF:794818.5/19

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1788.359+/-0.325 χ^2/NDF:769275.9/18

Left: 1776.964+/-0.227 χ^2/NDF: 1566497.1/38

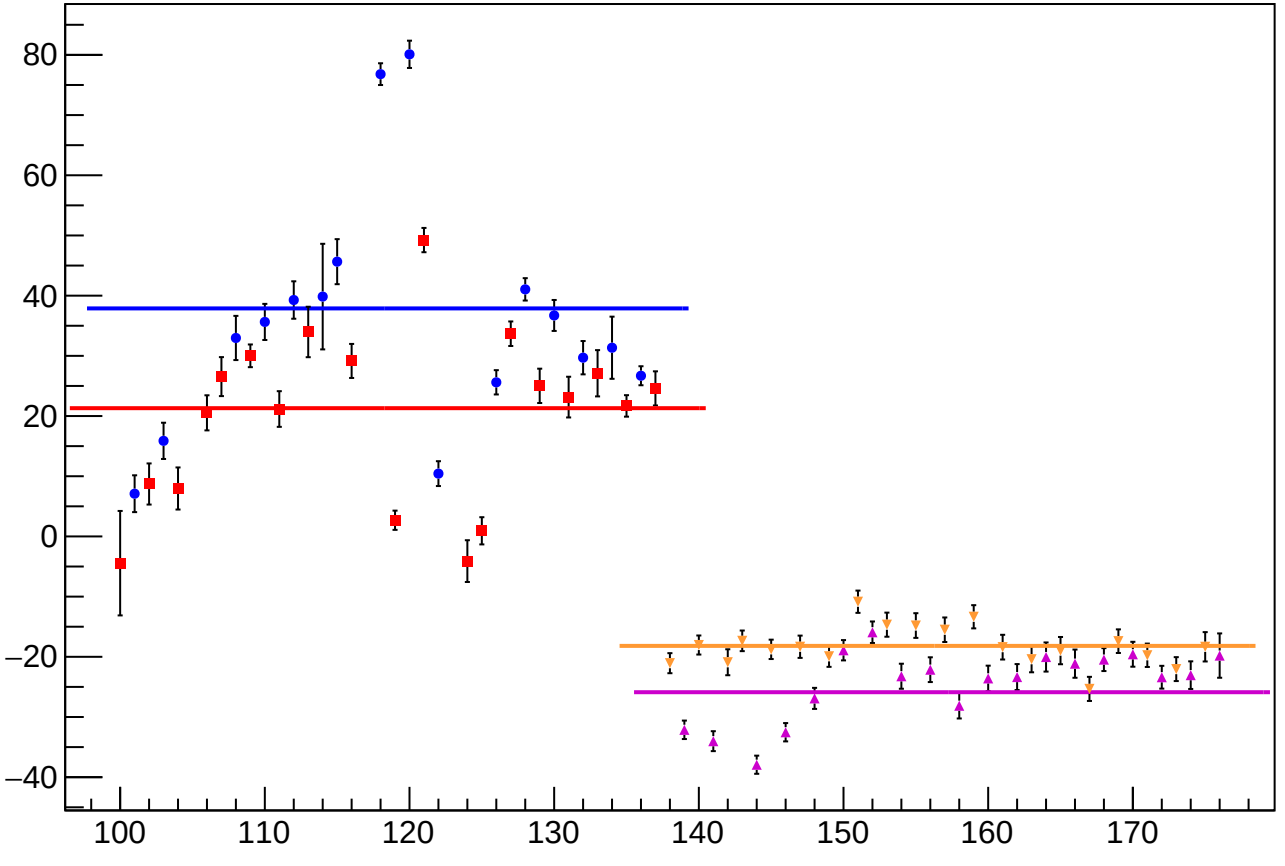
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1811.483+/-0.271 χ^2/NDF:869215.2/34

Out: 1791.252+/-0.265 χ^2/NDF:890278.6/38

All: 1801.122+/-0.189 χ^2/NDF: 1762345.8/73

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.184+/-0.428 χ^2/NDF:54.0/19

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -25.881+/-0.439 χ^2/NDF:213.9/18

Left: -21.938+/-0.307 χ^2/NDF: 425.4/38

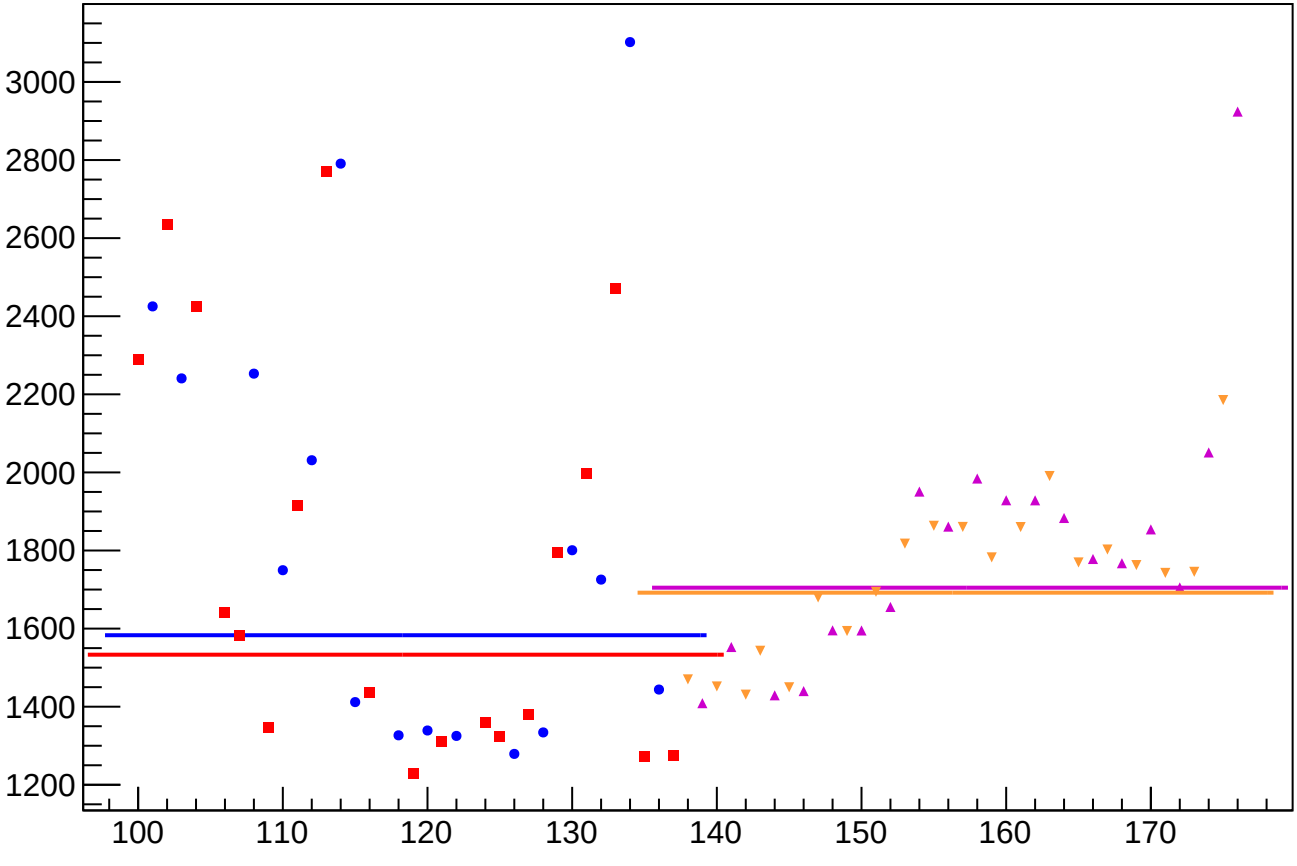
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.693+/-0.359 χ^2/NDF:8471.9/34

Out: -4.640+/-0.347 χ^2/NDF:3551.0/38

All: -4.666+/-0.250 χ^2/NDF: 12023.0/73

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1691.997+/-0.303 χ^2/NDF:364590.6/19

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1704.781+/-0.310 χ^2/NDF:644952.0/18

Left: 1698.231+/-0.217 χ^2/NDF: 1010411.2/38

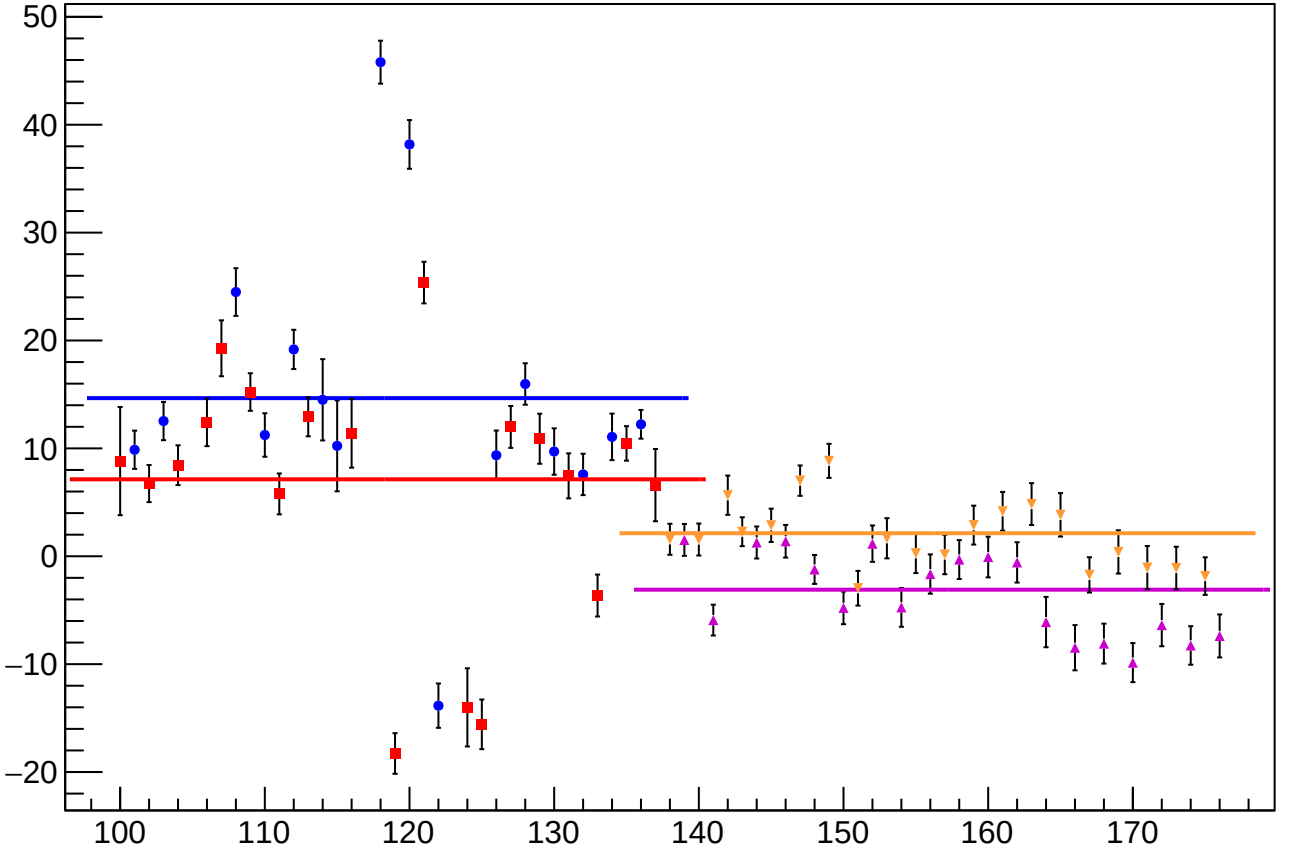
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1664.328+/-0.254 χ^2/NDF:1483712.3/34

Out: 1637.530+/-0.246 χ^2/NDF:1409630.8/38

All: 1650.492+/-0.176 χ^2/NDF: 2899104.3/73

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.136+/-0.378 χ^2/NDF:67.5/19

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -3.098+/-0.392 χ^2/NDF:94.3/18

Left: -0.388+/-0.272 χ^2/NDF: 254.0/38

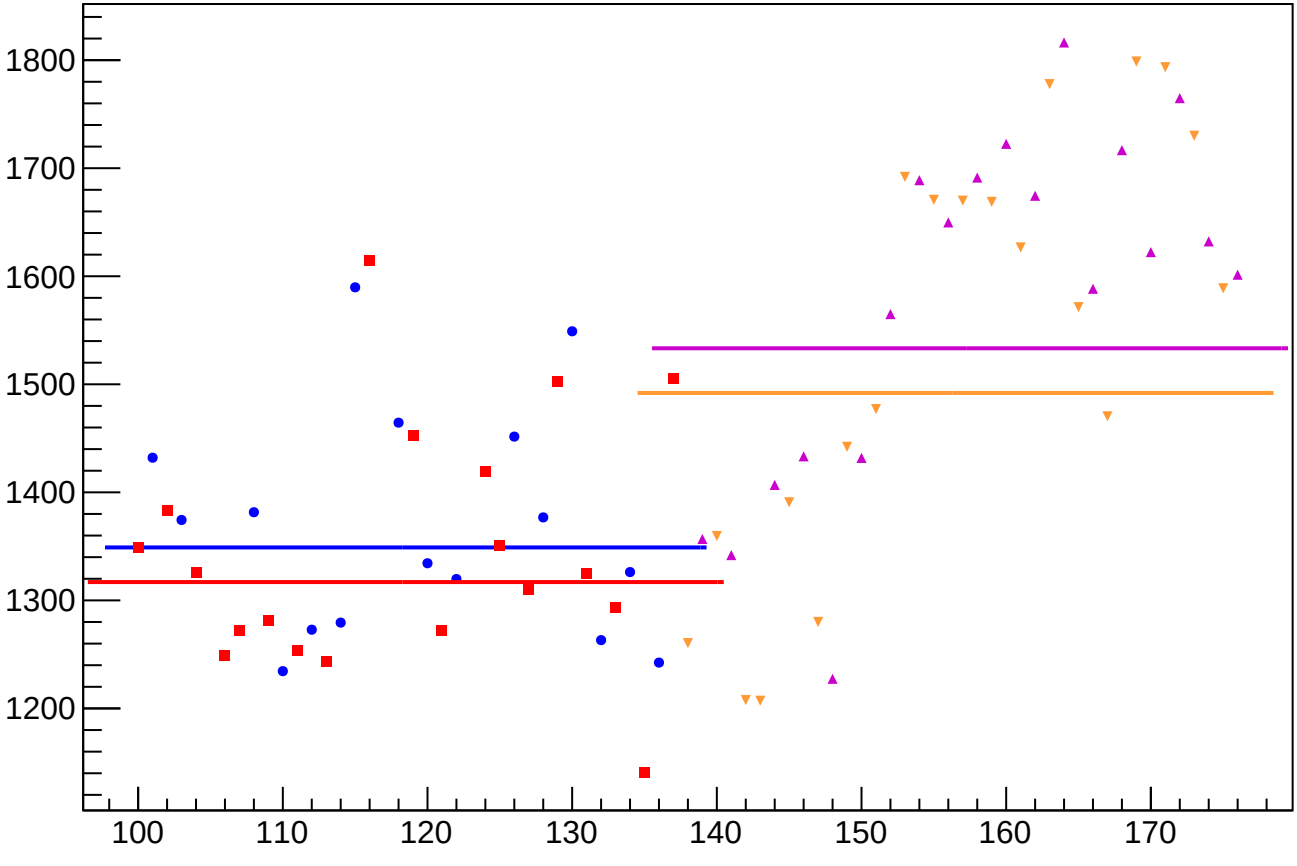
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.590+/-0.310 χ^2/NDF:1481.2/34

Out: 4.037+/-0.298 χ^2/NDF:643.2/38

All: 3.822+/-0.215 χ^2/NDF: 2125.5/73

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1491.988+/-0.268 χ^2/NDF:529168.9/19

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1533.325+/-0.277 χ^2/NDF:363236.1/18

Left: 1511.918+/-0.193 χ^2/NDF: 903910.1/38

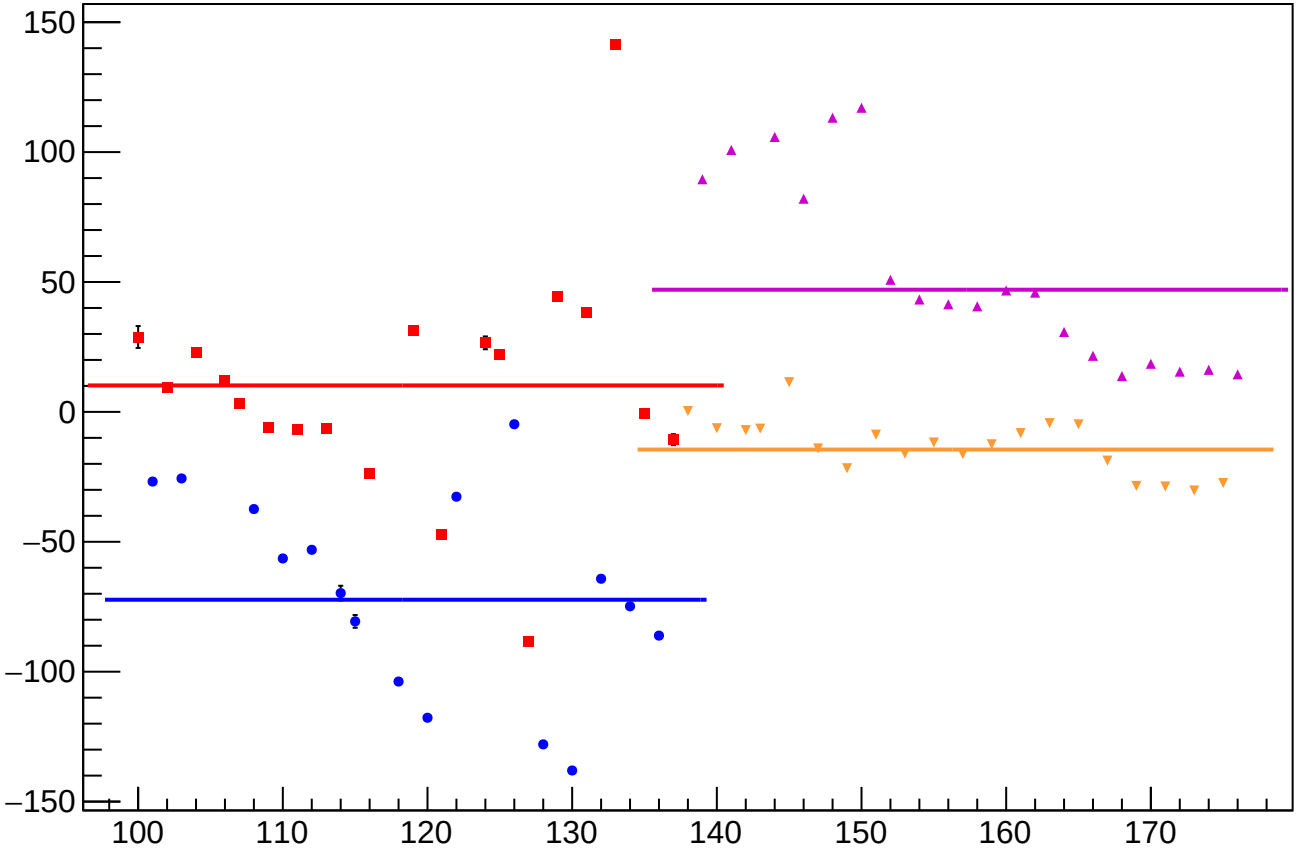
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1463.890+/-0.219 χ^2/NDF:598029.5/34

Out: 1425.443+/-0.211 χ^2/NDF:778701.9/38

All: 1443.926+/-0.152 χ^2/NDF: 1392742.7/73

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.492+/-0.205 χ^2/NDF:2646.8/19

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 47.032+/-0.209 χ^2/NDF:25149.0/18

Left: 15.747+/-0.146 χ^2/NDF: 71980.4/38

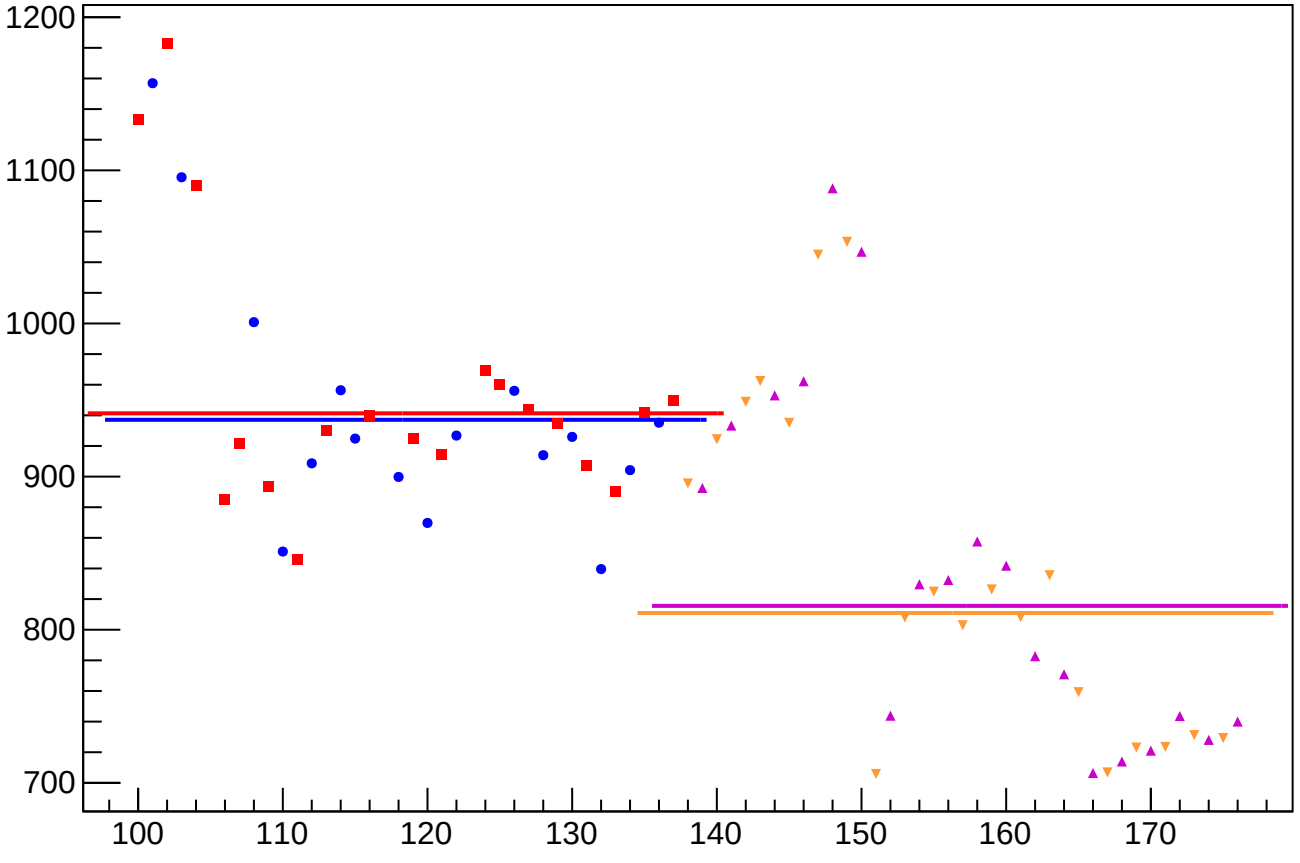
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.655+/-0.179 χ^2/NDF:123258.1/34

Out: -8.030+/-0.176 χ^2/NDF:25480.6/38

All: 3.620+/-0.126 χ^2/NDF: 157616.4/73

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 810.920+/-0.145 χ^2/NDF:466655.6/19

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 815.581+/-0.148 χ^2/NDF:486767.8/18

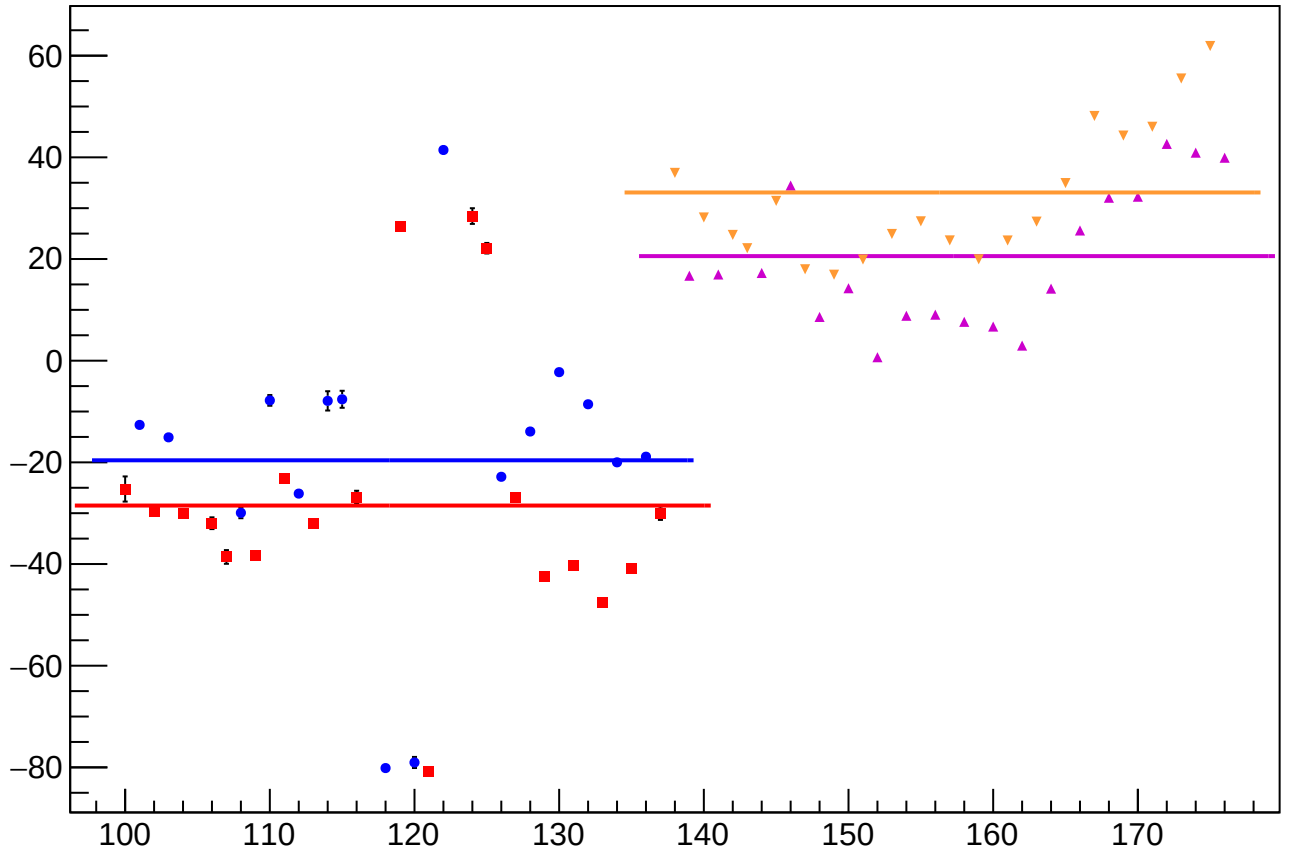
Left: 813.211+/-0.103 χ^2/NDF: 953930.7/38

Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

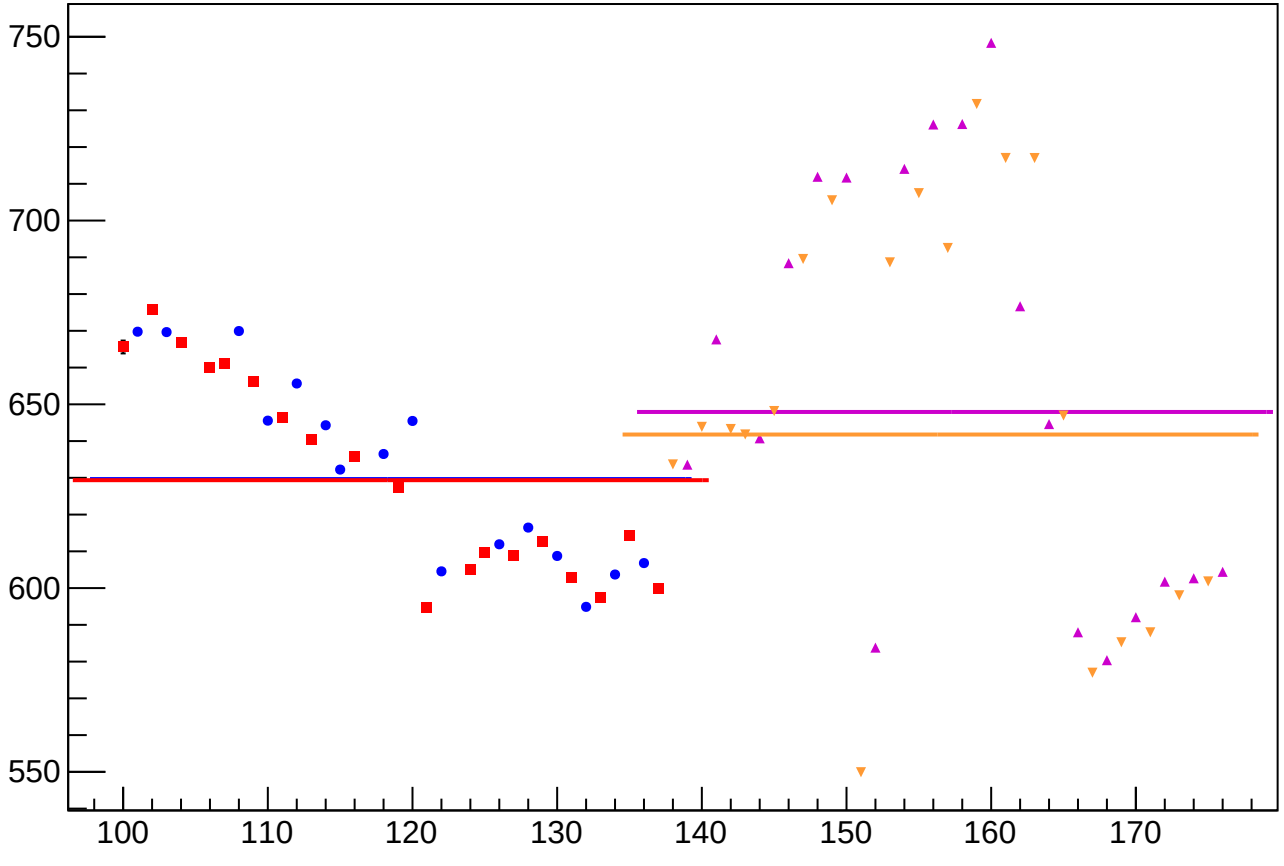
In: 847.531+/-0.127 χ^2/NDF:769675.4/34

Out: 845.065+/-0.125 χ^2/NDF:779174.4/38

All: 846.278+/-0.089 χ^2/NDF: 1549042.4/73


diff_bpm1i02Y_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -19.597+/-0.234 χ²/NDF: 13170.1/15
Left Out: 33.089+/-0.162 χ²/NDF:6775.8/19
Right Out: -28.496+/-0.230 χ²/NDF: 12971.2/18
Left In: 20.571+/-0.165 χ²/NDF:6781.2/18
Left: 26.957+/-0.116 χ²/NDF: 16487.2/38
Right: -24.130+/-0.164 χ²/NDF: 26877.8/34
In: 7.216+/-0.135 χ²/NDF:39611.1/34
Out: 12.653+/-0.132 χ²/NDF:67788.0/38
All: 9.989+/-0.094 χ²/NDF: 108226.9/73

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 641.783+/-0.114 χ^2/NDF:227054.8/19

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 647.922+/-0.117 χ^2/NDF:220322.1/18

Left: 644.790+/-0.082 χ^2/NDF: 448786.4/38

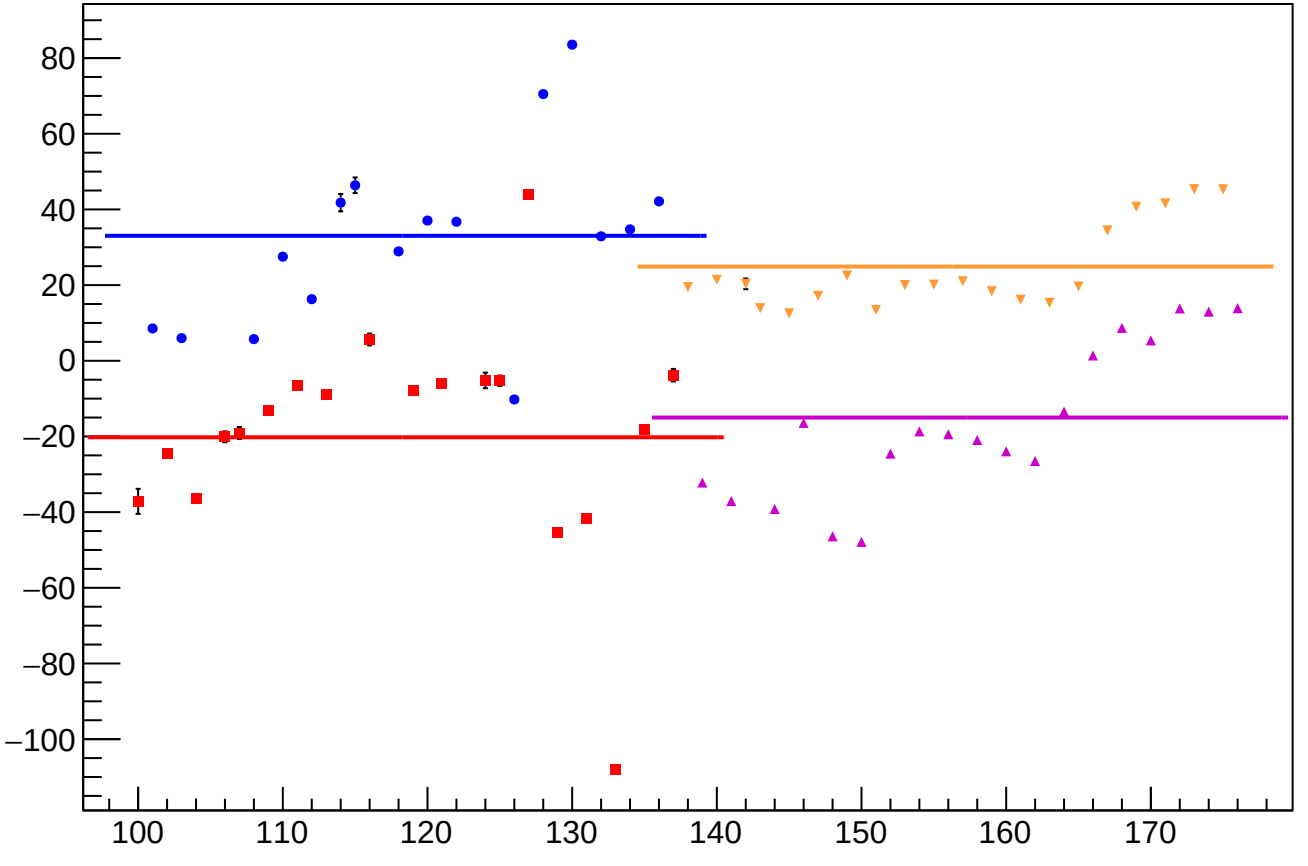
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 641.850+/-0.095 χ^2/NDF:253765.2/34

Out: 637.661+/-0.094 χ^2/NDF:257754.9/38

All: 639.714+/-0.067 χ^2/NDF: 512502.8/73

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 24.906+/-0.230 χ^2/NDF:2385.5/19

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -15.006+/-0.234 χ^2/NDF:7205.4/18

Left: 5.227+/-0.164 χ^2/NDF: 24382.2/38

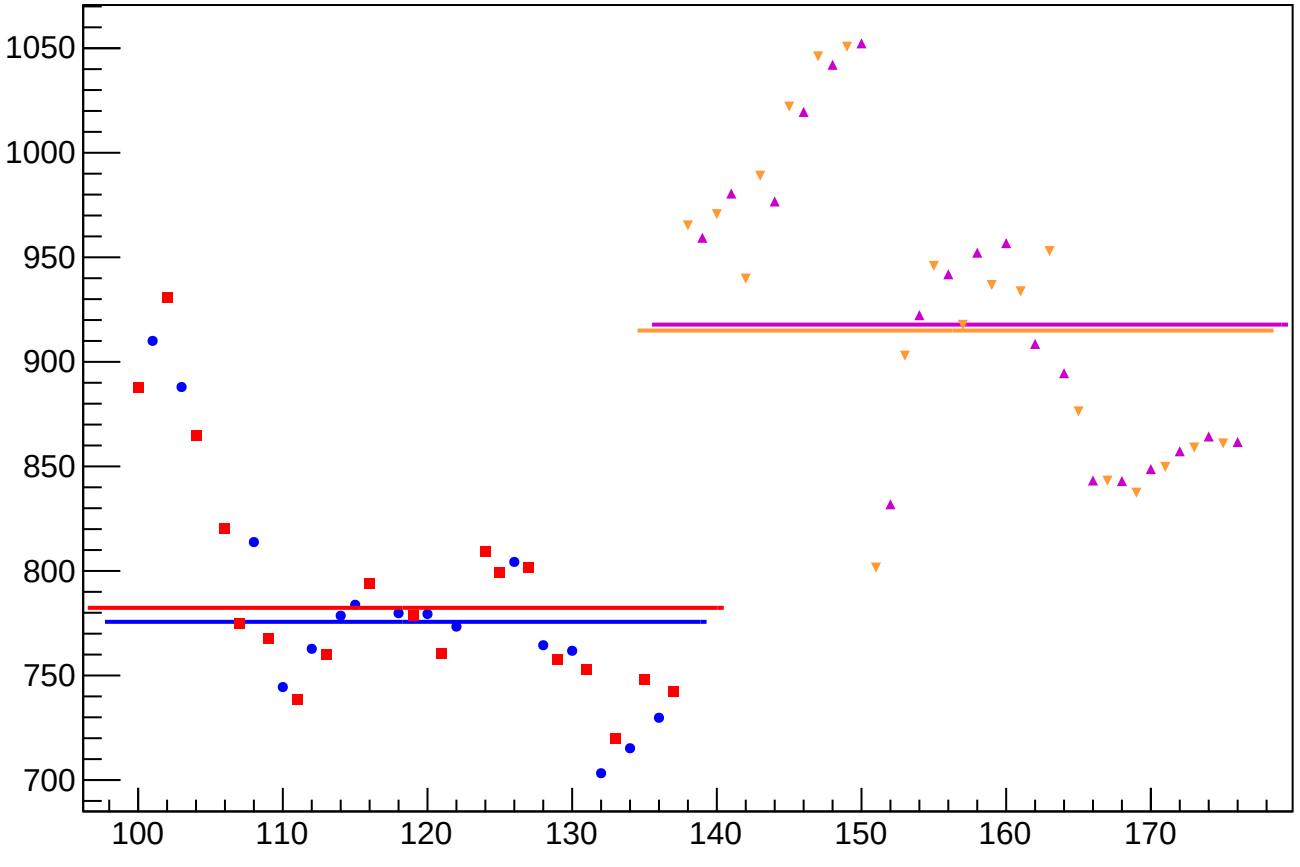
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 3.991+/-0.182 χ^2/NDF:30620.7/34

Out: 7.141+/-0.179 χ^2/NDF:29350.5/38

All: 5.586+/-0.128 χ^2/NDF: 60123.4/73

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 914.972+/-0.163 χ^2/NDF:182072.8/19

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 917.816+/-0.165 χ^2/NDF:167058.0/18

Left: 916.374+/-0.116 χ^2/NDF: 349280.9/38

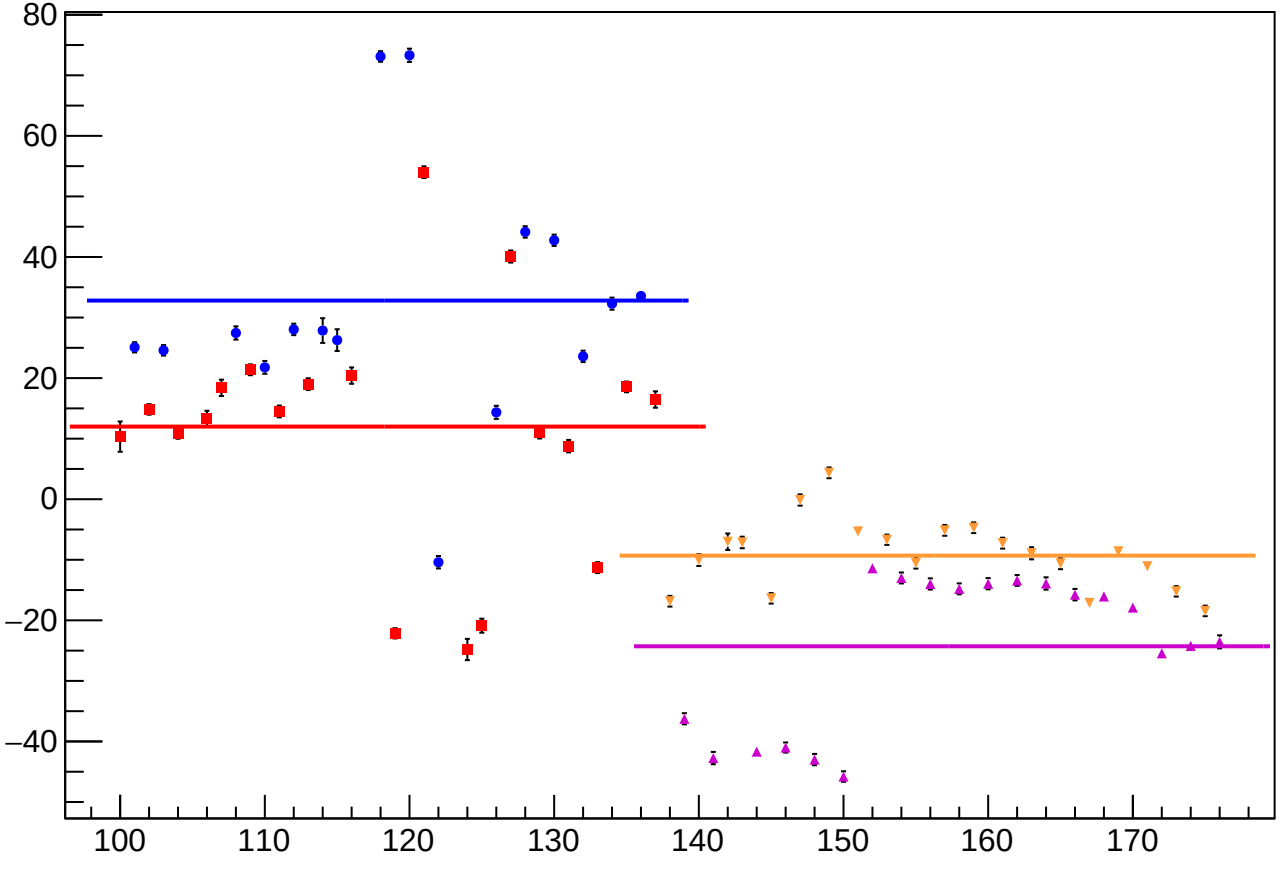
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.604+/-0.128 χ^2/NDF:534443.1/34

Out: 862.761+/-0.127 χ^2/NDF:507428.4/38

All: 862.190+/-0.090 χ^2/NDF: 1041912.5/73

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.309+/-0.197 χ^2/NDF:843.5/19

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.286+/-0.200 χ^2/NDF:3742.0/18

Left: -16.655+/-0.140 χ^2/NDF: 7430.0/38

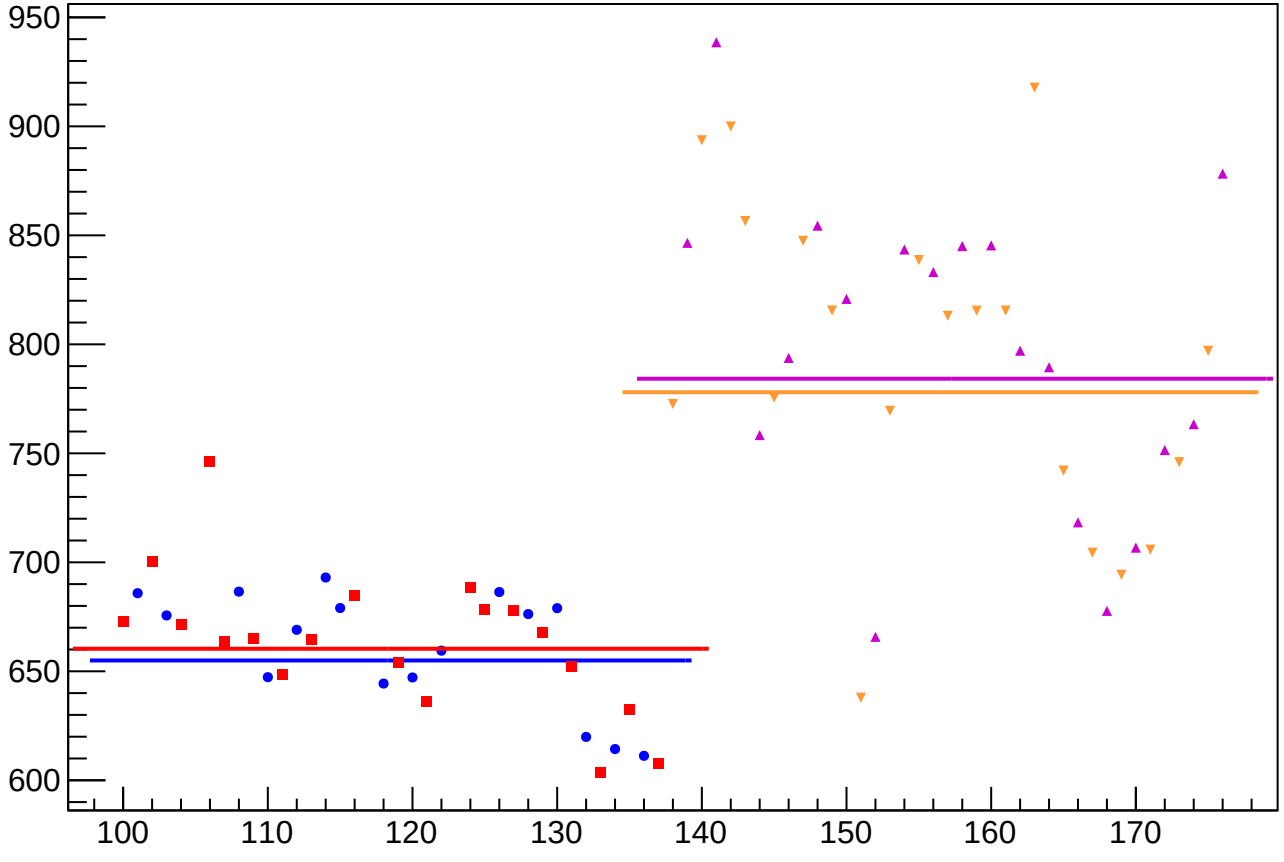
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -1.228+/-0.155 χ^2/NDF:42764.3/34

Out: -0.798+/-0.152 χ^2/NDF:12089.8/38

All: -1.010+/-0.109 χ^2/NDF: 54858.0/73

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.024+/-0.139 χ^2/NDF:276681.9/19

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 784.224+/-0.142 χ^2/NDF:249903.2/18

Left: 781.065+/-0.099 χ^2/NDF: 527560.2/38

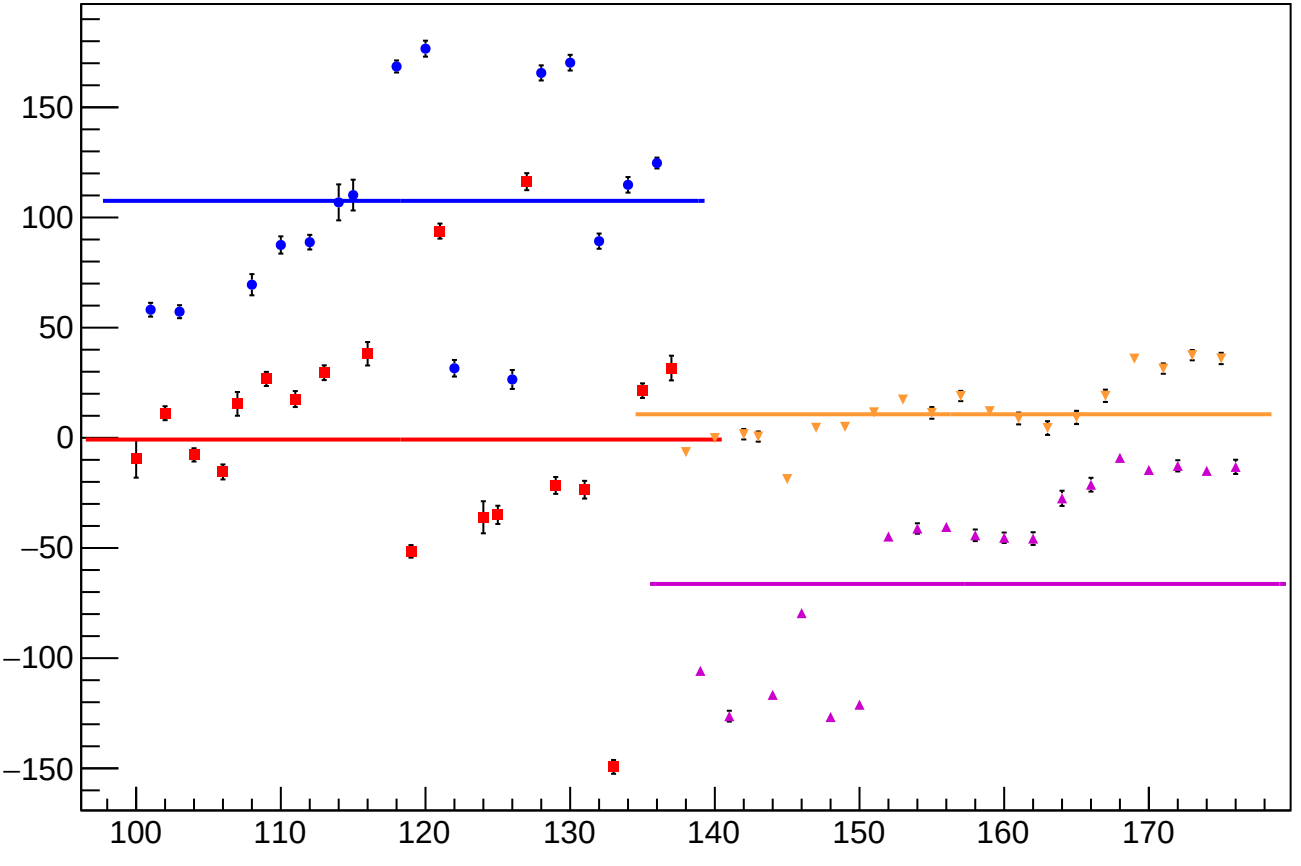
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 732.021+/-0.109 χ^2/NDF:612534.0/34

Out: 731.011+/-0.108 χ^2/NDF:593093.1/38

All: 731.508+/-0.077 χ^2/NDF: 1205670.3/73

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 10.689+/-0.504 χ^2/NDF:830.5/19

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -66.311+/-0.509 χ^2/NDF:7348.3/18

Left: -27.418+/-0.358 χ^2/NDF: 19718.0/38

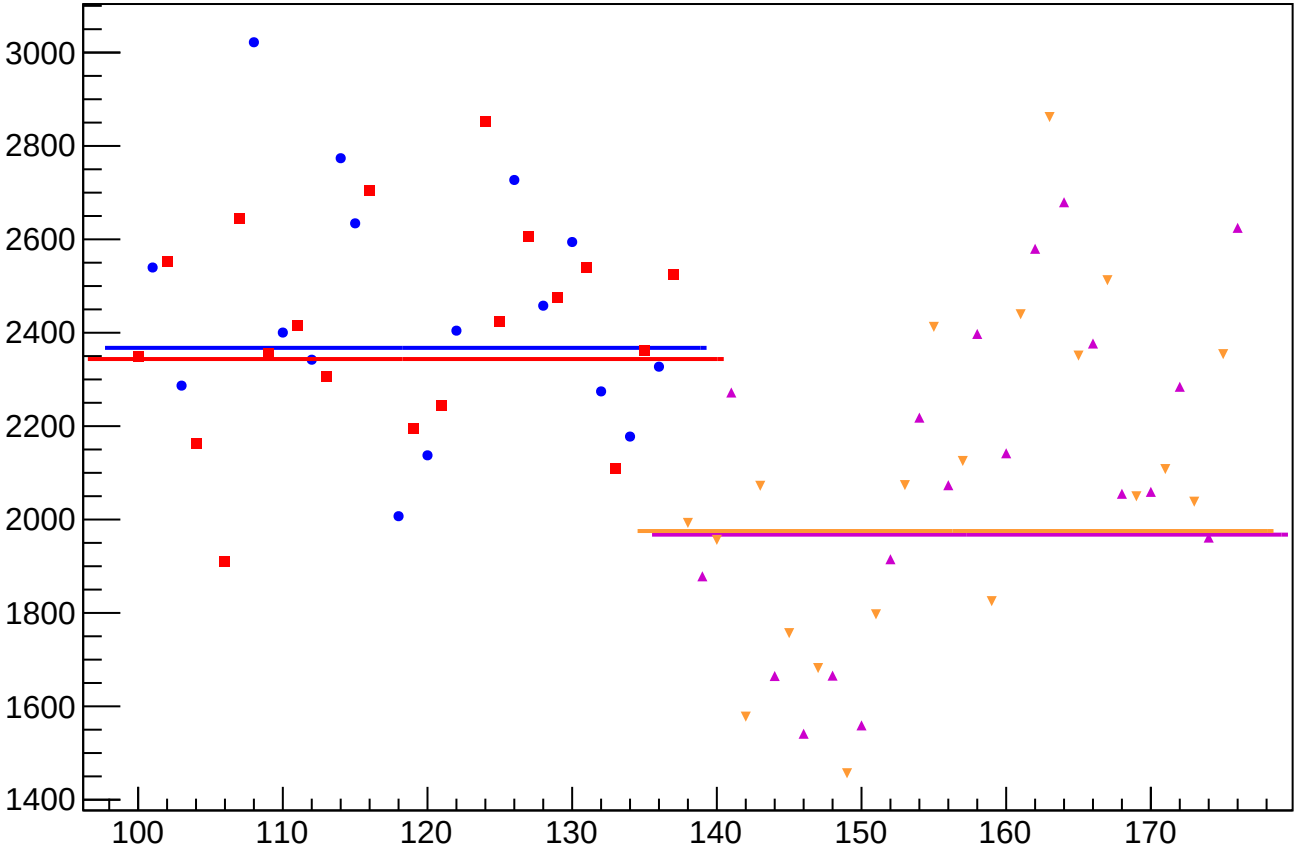
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.064+/-0.442 χ^2/NDF:39275.2/34

Out: 7.757+/-0.435 χ^2/NDF:5726.8/38

All: -7.427+/-0.310 χ^2/NDF: 47473.9/73

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1975.391+/-0.357 χ^2/NDF:817740.6/19

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1967.652+/-0.360 χ^2/NDF:827515.6/18

Left: 1971.561+/-0.253 χ^2/NDF: 1645489.3/38

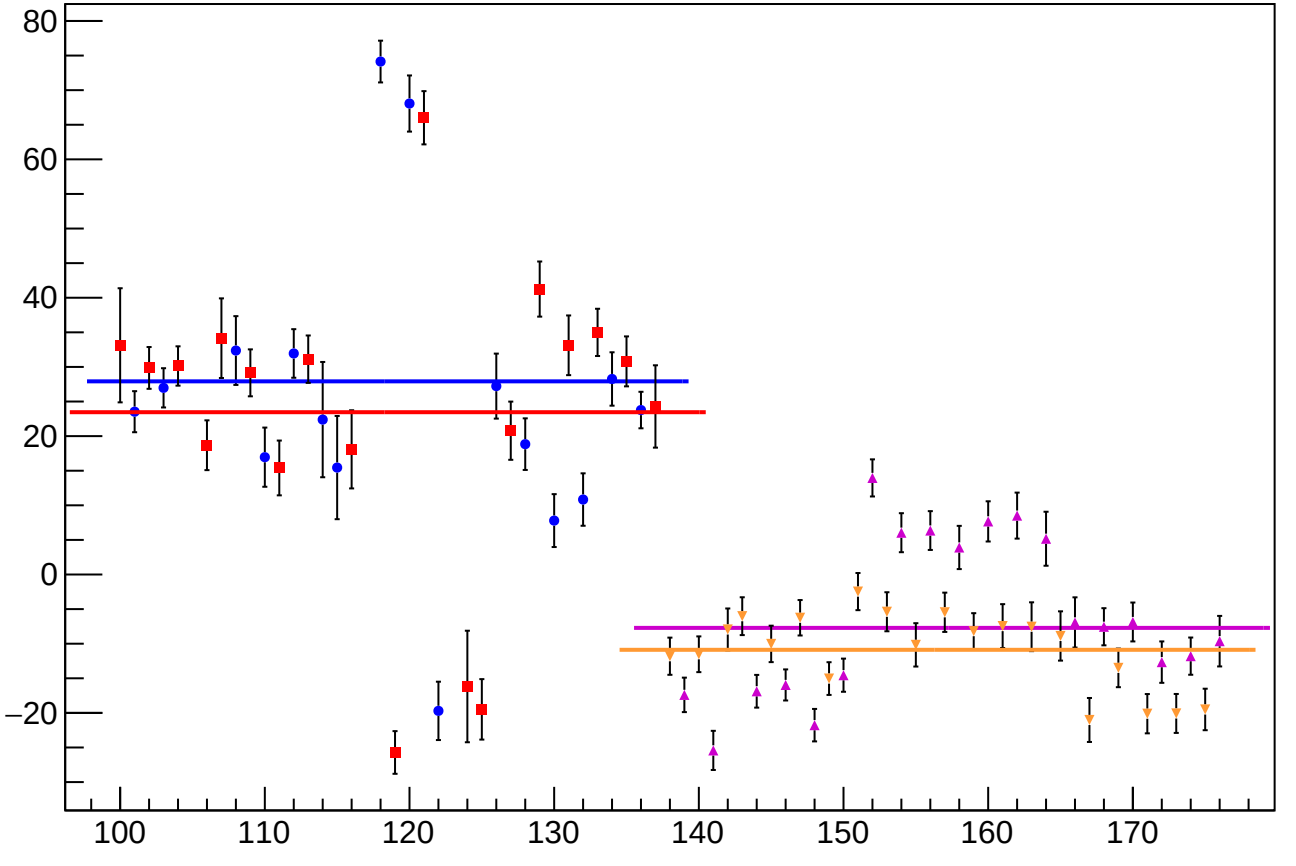
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2067.146+/-0.312 χ^2/NDF:1260954.4/34

Out: 2069.490+/-0.308 χ^2/NDF:1202605.5/38

All: 2068.335+/-0.219 χ^2/NDF: 2463588.5/73

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.883+/-0.633 χ^2/NDF:72.1/19

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.714+/-0.638 χ^2/NDF:323.2/18

Left: -9.311+/-0.450 χ^2/NDF: 407.7/38

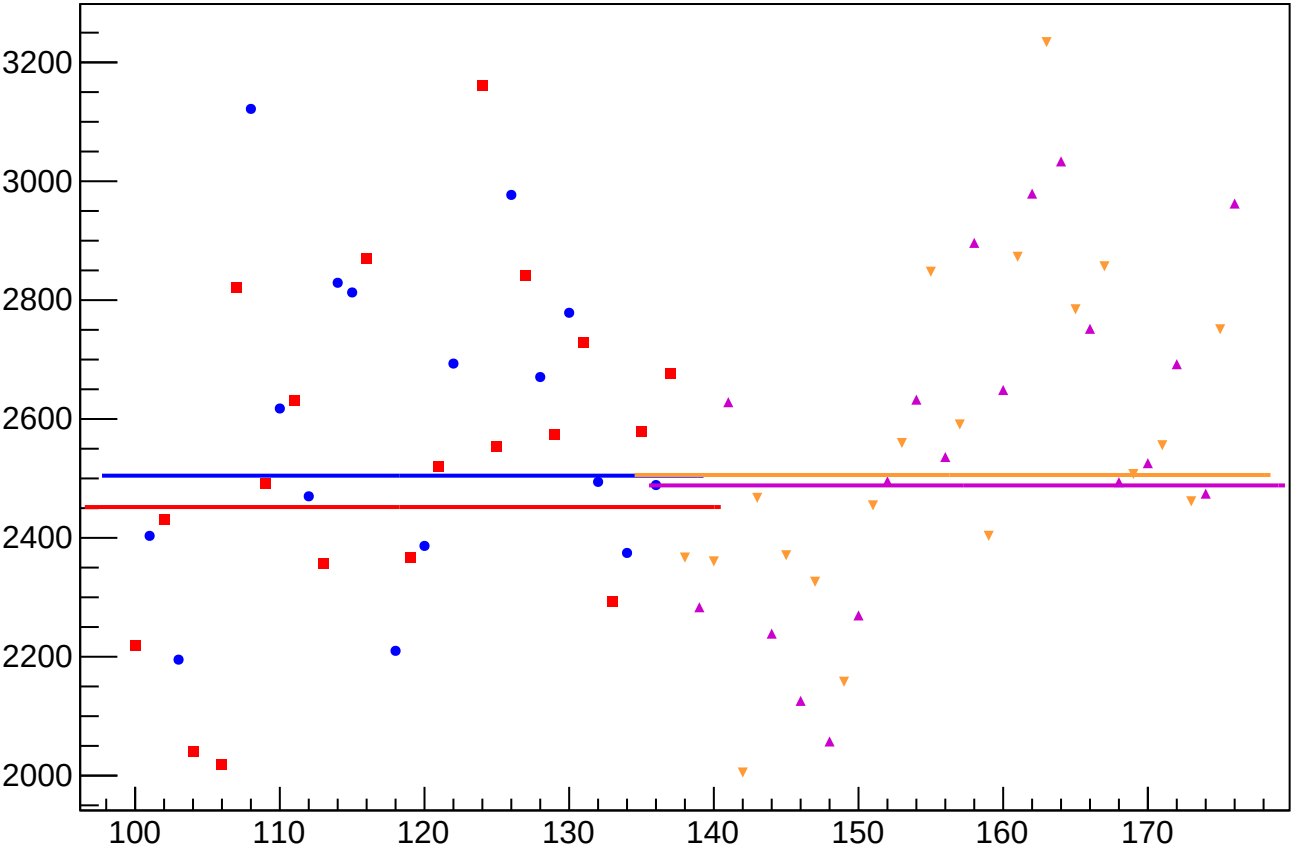
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.584+/-0.527 χ^2/NDF:1841.8/34

Out: 0.446+/-0.518 χ^2/NDF:1609.9/38

All: 1.988+/-0.370 χ^2/NDF: 3469.7/73

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2505.801+/-0.448 χ^2/NDF:318439.0/19

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2488.237+/-0.451 χ^2/NDF:359566.6/18

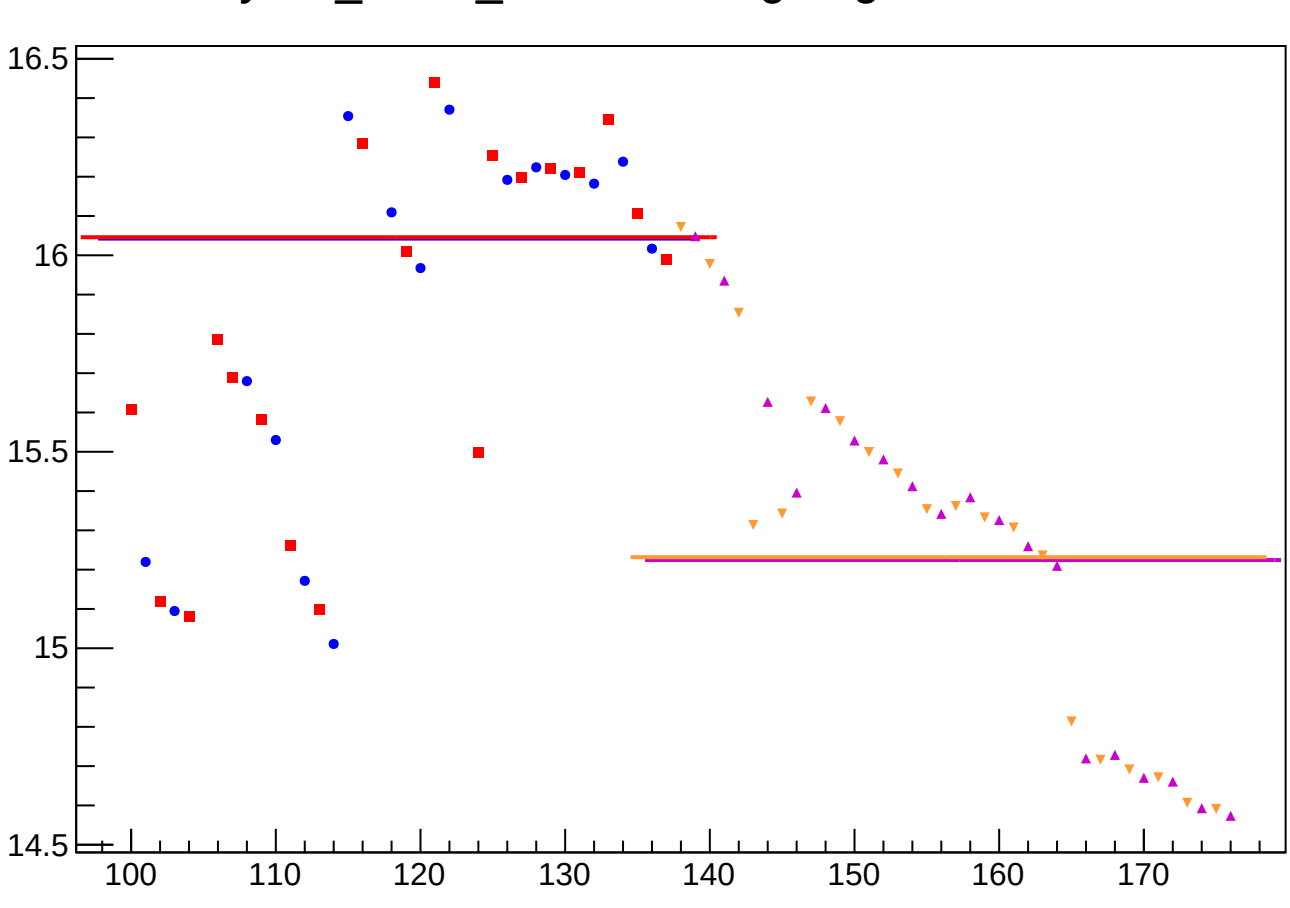
Left: 2497.088+/-0.318 χ^2/NDF: 678768.6/38

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2493.443+/-0.373 χ^2/NDF:486585.1/34

Out: 2488.012+/-0.367 χ^2/NDF:476458.9/38

All: 2490.681+/-0.261 χ^2/NDF: 963151.8/73



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.232+/-0.000 χ^2/NDF:27933345458.9/19

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.224+/-0.000 χ^2/NDF:27012657865.6/18

Left: 15.228+/-0.000 χ^2/NDF: 54949504048.6/38

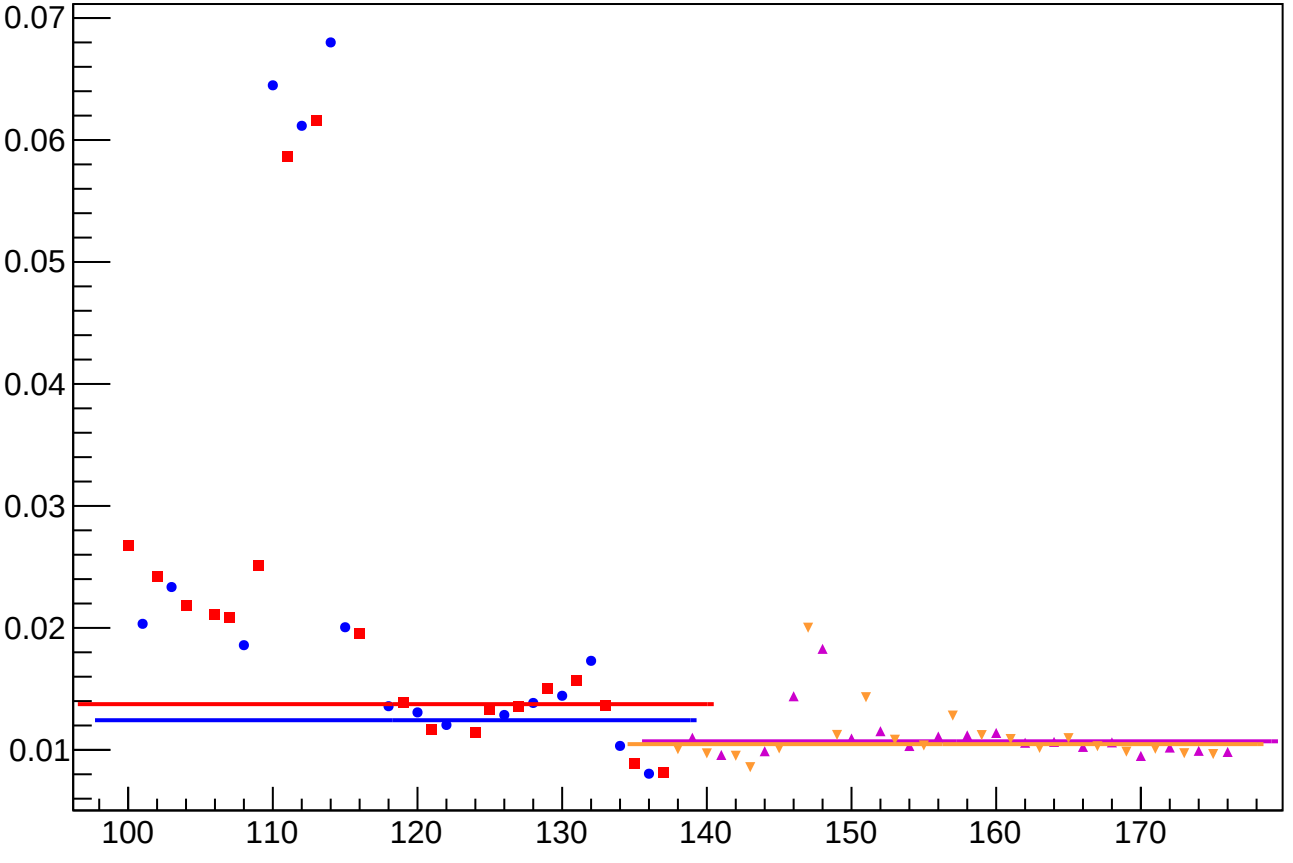
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.404+/-0.000 χ^2/NDF:48470208565.0/34

Out: 15.380+/-0.000 χ^2/NDF:47796208198.5/38

All: 15.392+/-0.000 χ^2/NDF: 96311754688.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:675418.9/19

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:487469.3/18

Left: 0.011+/-0.000 χ^2/NDF: 1169902.6/38

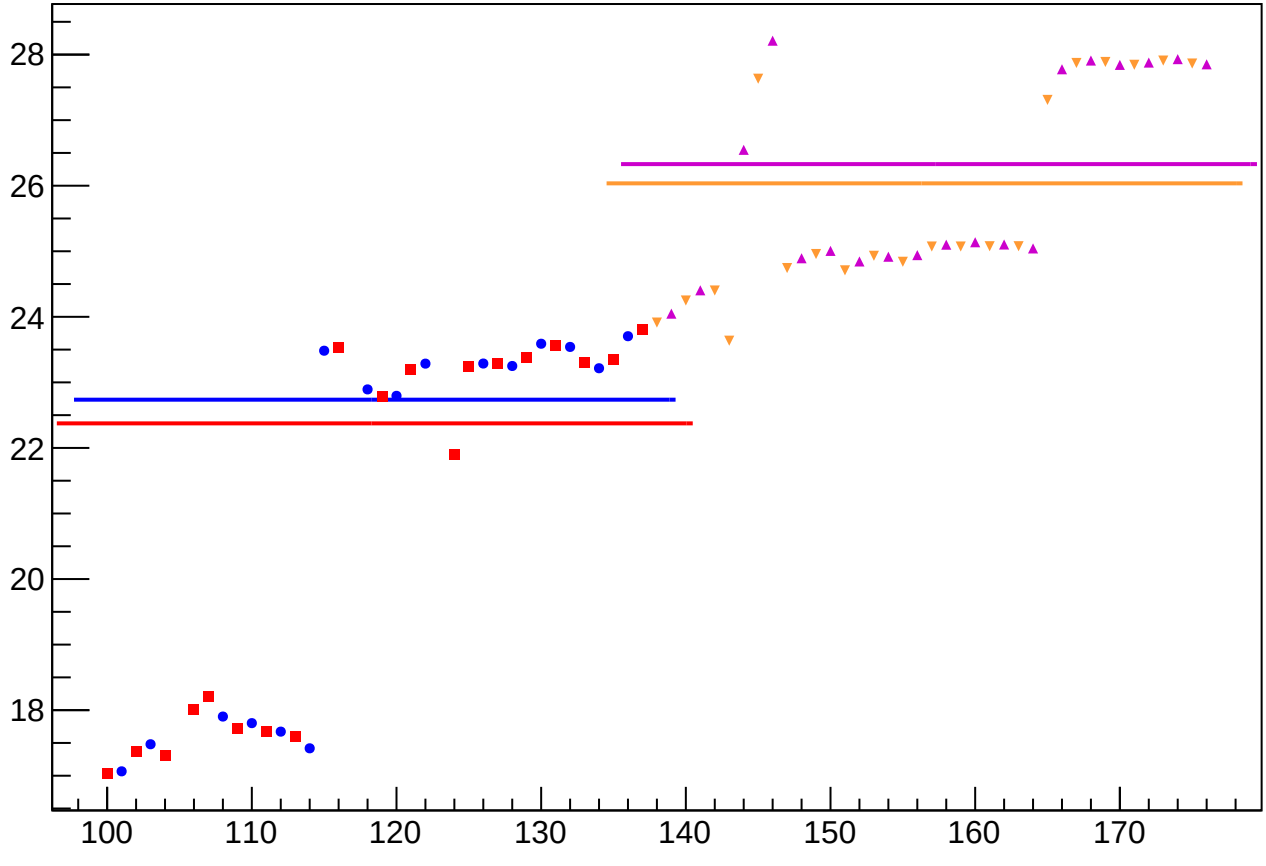
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2970569.3/34

Out: 0.011+/-0.000 χ^2/NDF:3434834.3/38

All: 0.011+/-0.000 χ^2/NDF: 6405430.5/73

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.036+/-0.000 χ^2/NDF:2900345011.0/19

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.329+/-0.000 χ^2/NDF:2317072759.4/18

Left: 26.179+/-0.000 χ^2/NDF: 5264937561.7/38

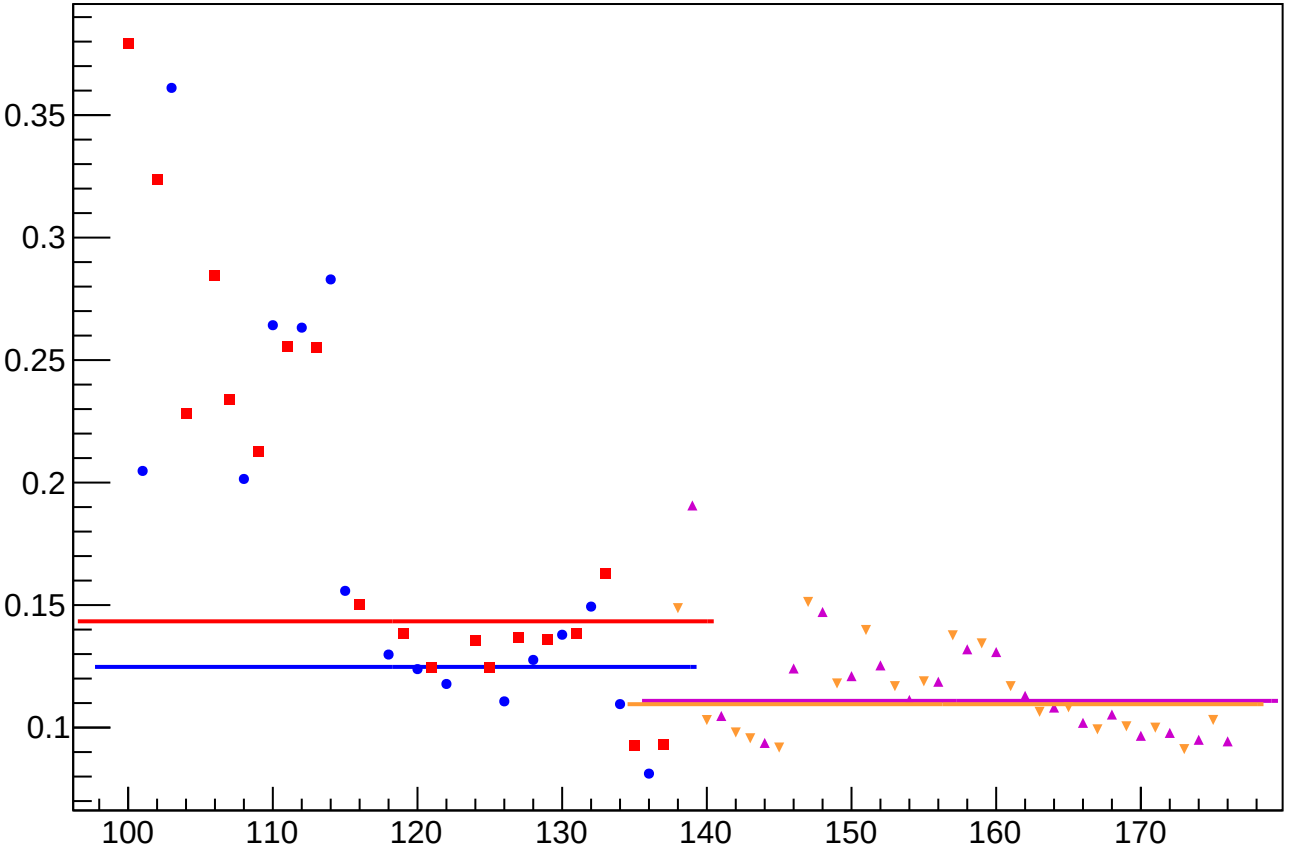
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.461+/-0.000 χ^2/NDF:6902378700.2/34

Out: 25.308+/-0.000 χ^2/NDF:7118234063.4/38

All: 25.385+/-0.000 χ^2/NDF: 14037190392.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:616082.4/19

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.111+/-0.000 χ^2/NDF:714963.7/18

Left: 0.110+/-0.000 χ^2/NDF: 1333062.2/38

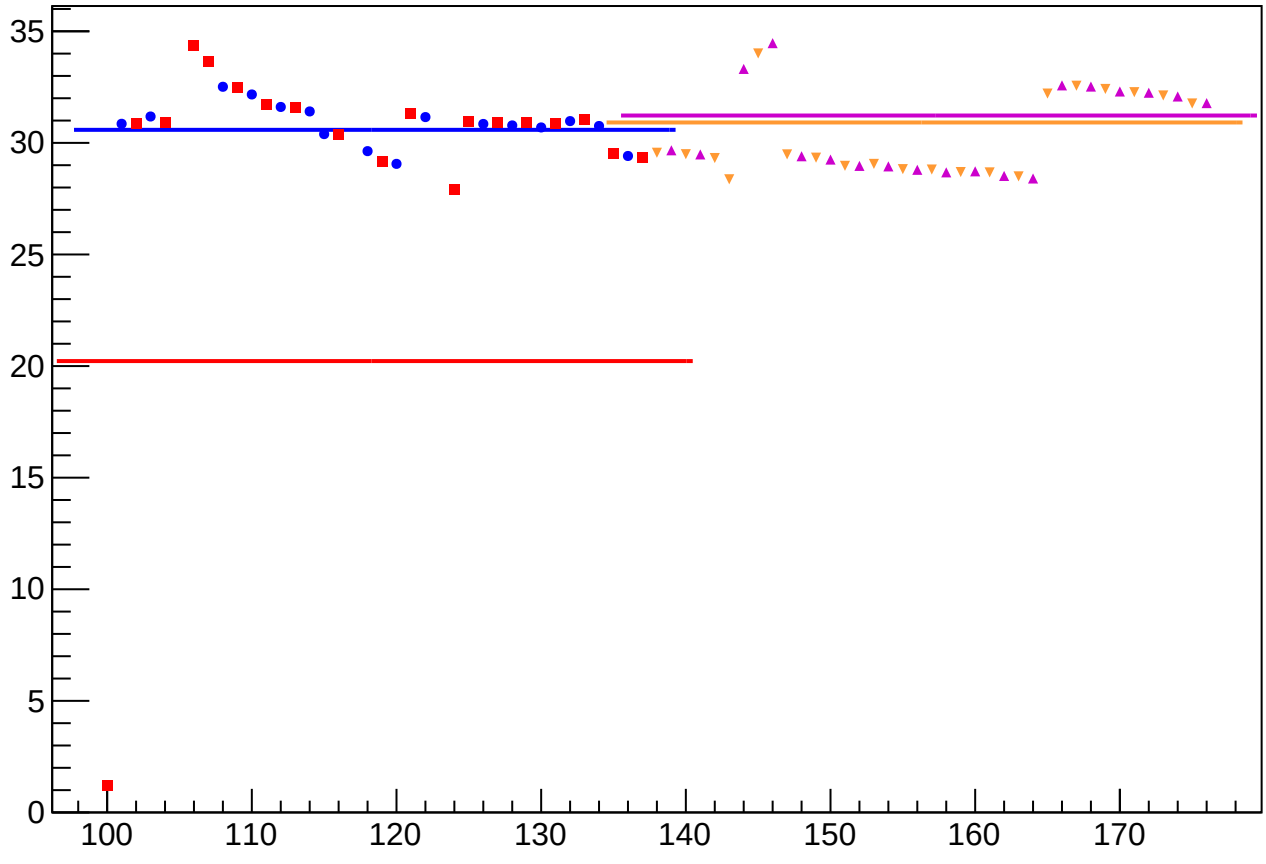
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.114+/-0.000 χ^2/NDF:2564960.3/34

Out: 0.116+/-0.000 χ^2/NDF:2698648.7/38

All: 0.115+/-0.000 χ^2/NDF: 5269375.9/73

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.914+/-0.000 χ^2/NDF:11608178751.1/19

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.226+/-0.000 χ^2/NDF:12556528921.7/18

Left: 31.073+/-0.000 χ^2/NDF: 24330299592.0/38

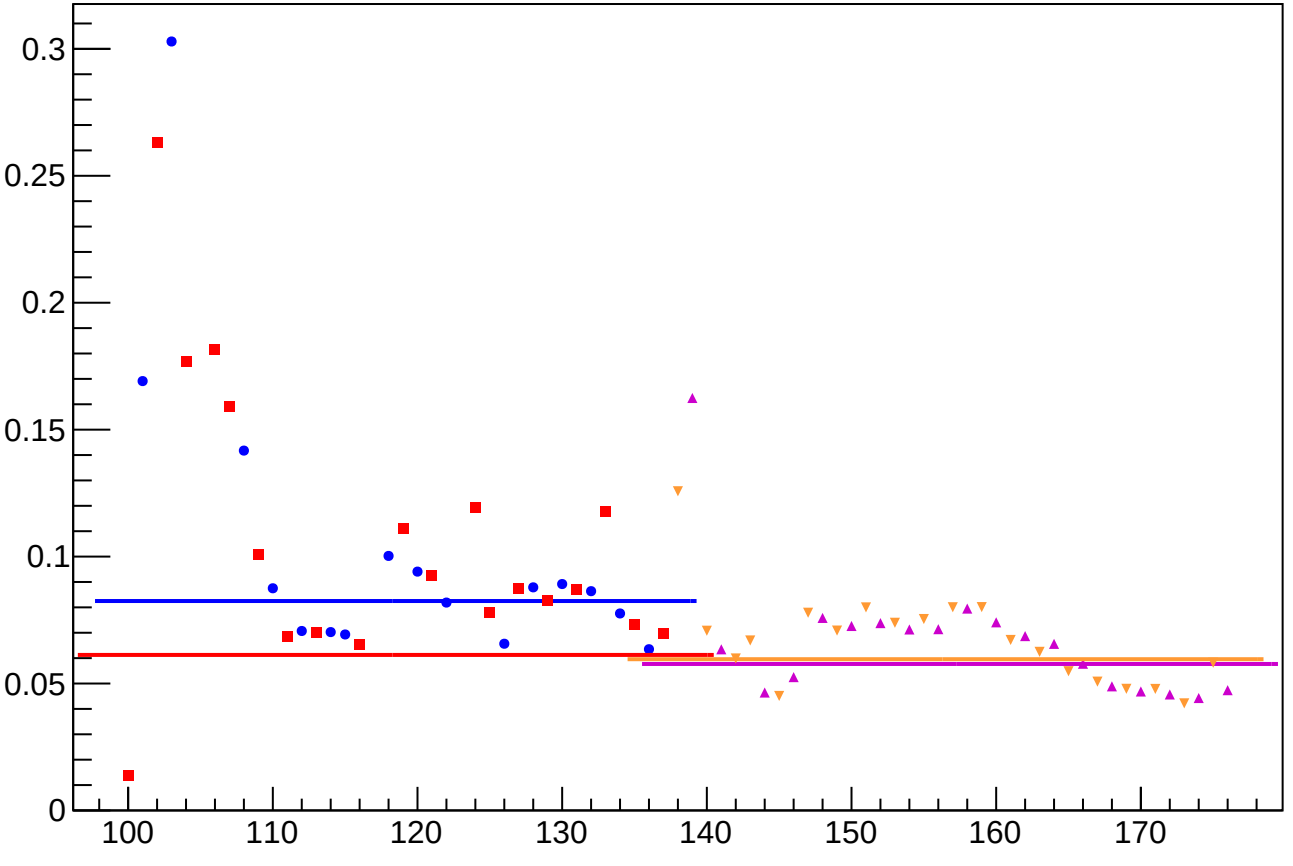
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.109+/-0.000 χ^2/NDF:13469178054.3/34

Out: 28.297+/-0.000 χ^2/NDF:326784714442.6/38

All: 29.671+/-0.000 χ^2/NDF: 357421386894.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1450142.7/19

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1695035.0/18

Left: 0.059+/-0.000 χ^2/NDF: 3157228.4/38

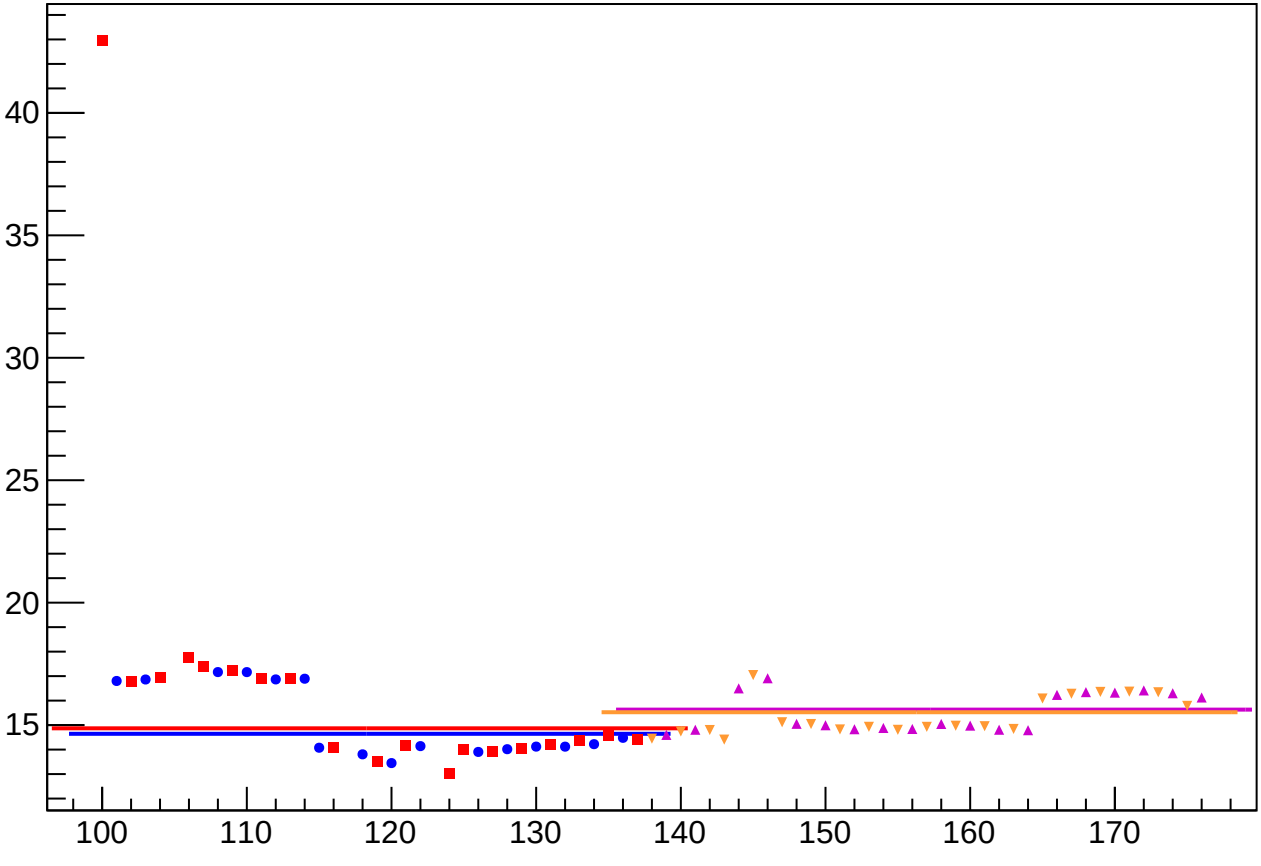
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3734878.7/34

Out: 0.060+/-0.000 χ^2/NDF:5469117.6/38

All: 0.061+/-0.000 χ^2/NDF: 9225568.1/73

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.526+/-0.000 χ^2/NDF:2038455661.1/19

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.632+/-0.000 χ^2/NDF:1830187094.0/18

Left: 15.578+/-0.000 χ^2/NDF: 3886663817.8/38

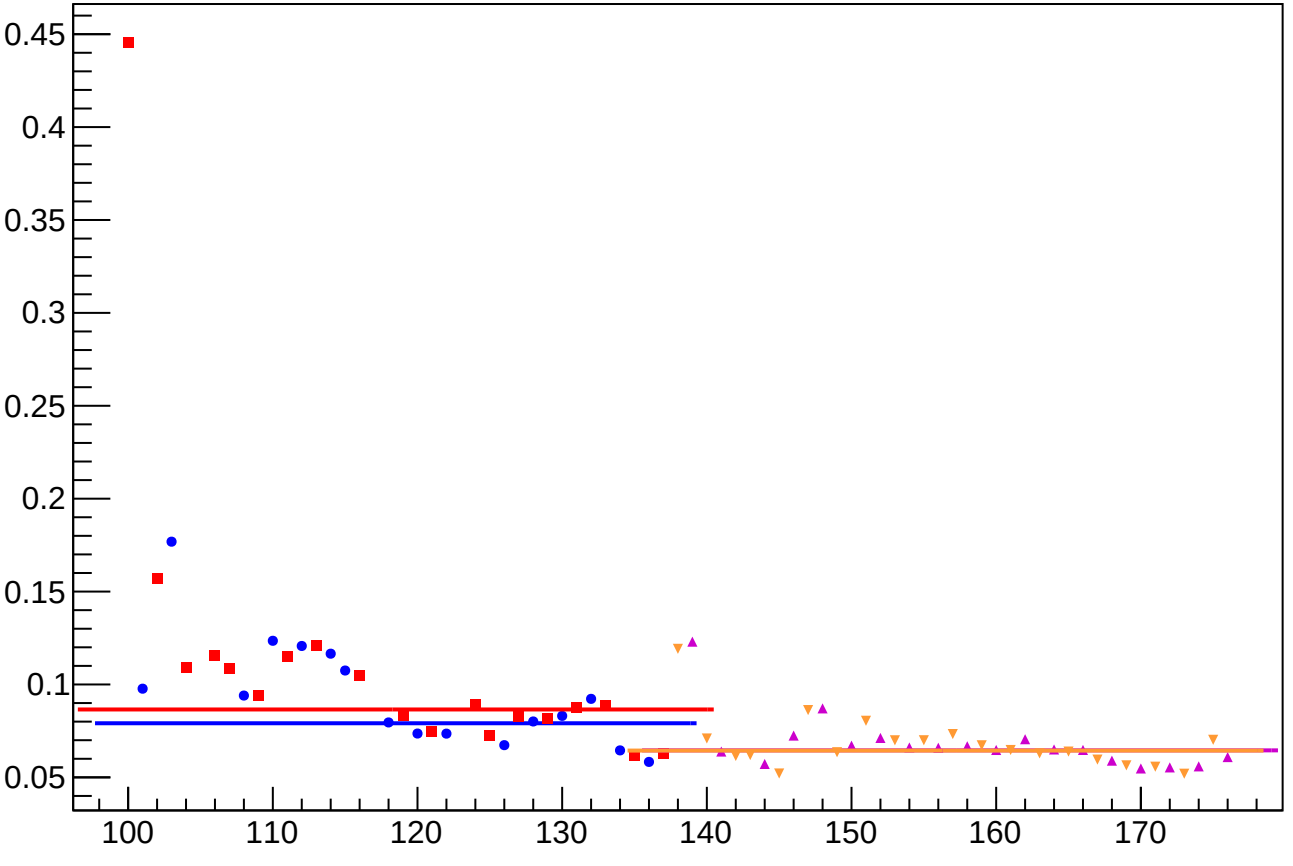
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.405+/-0.000 χ^2/NDF:3729093673.0/34

Out: 15.391+/-0.000 χ^2/NDF:4050722084.6/38

All: 15.398+/-0.000 χ^2/NDF: 7780182109.8/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:744682.8/19

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:678895.4/18

Left: 0.064+/-0.000 χ^2/NDF: 1423618.8/38

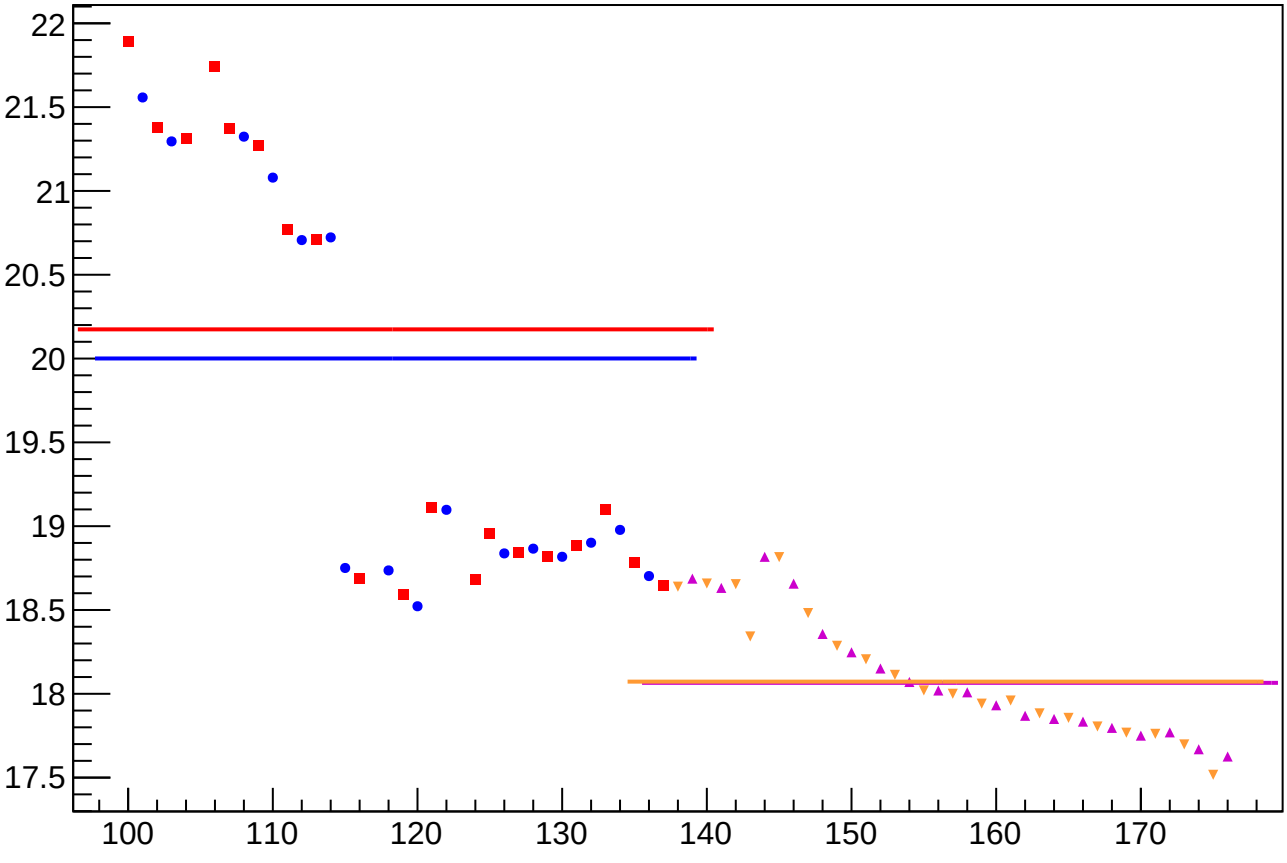
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1904796.0/34

Out: 0.069+/-0.000 χ^2/NDF:2177482.0/38

All: 0.068+/-0.000 χ^2/NDF: 4086677.0/73

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.073+/-0.000 χ^2/NDF:1979992120.8/19

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.065+/-0.000 χ^2/NDF:1942643404.2/18

Left: 18.069+/-0.000 χ^2/NDF: 3923041022.5/38

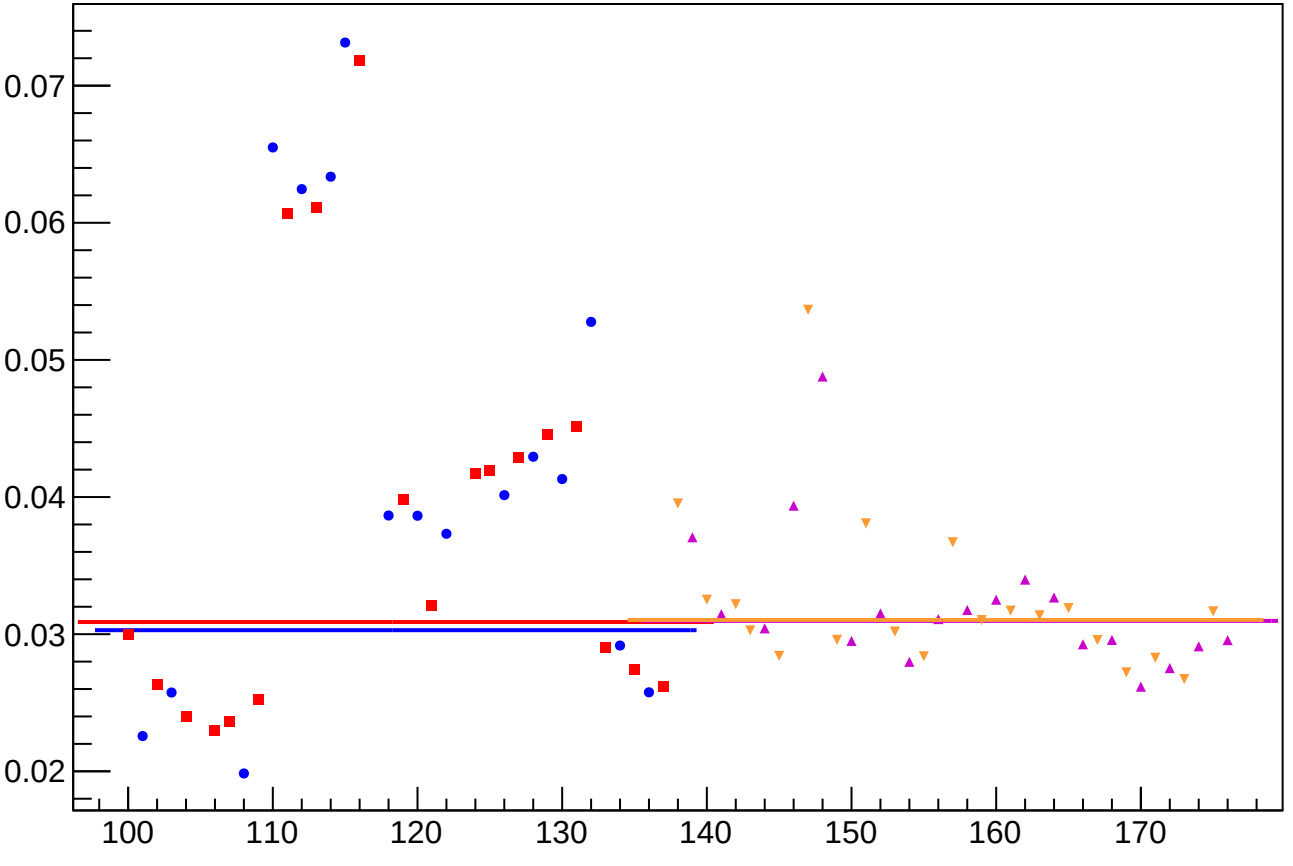
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.642+/-0.000 χ^2/NDF:29902206129.4/34

Out: 18.694+/-0.000 χ^2/NDF:32690393152.4/38

All: 18.668+/-0.000 χ^2/NDF: 62621388823.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:573331.0/19

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:469222.1/18

Left: 0.031+/-0.000 χ^2/NDF: 1042626.3/38

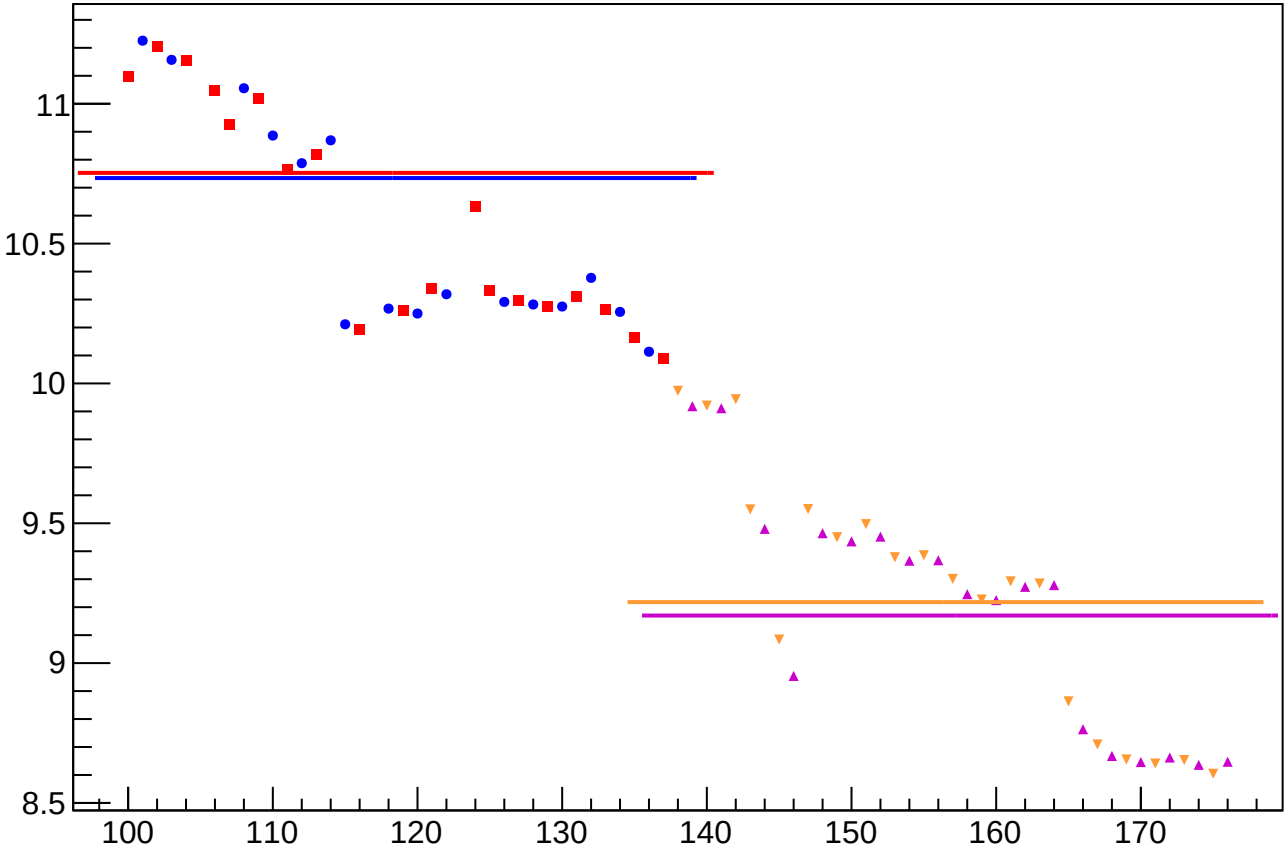
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1920791.5/34

Out: 0.031+/-0.000 χ^2/NDF:1778269.0/38

All: 0.031+/-0.000 χ^2/NDF: 3700186.5/73

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.218+/-0.000 χ^2/NDF:7141074092.1/19

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.170+/-0.000 χ^2/NDF:6004496890.0/18

Left: 9.195+/-0.000 χ^2/NDF: 13188567228.7/38

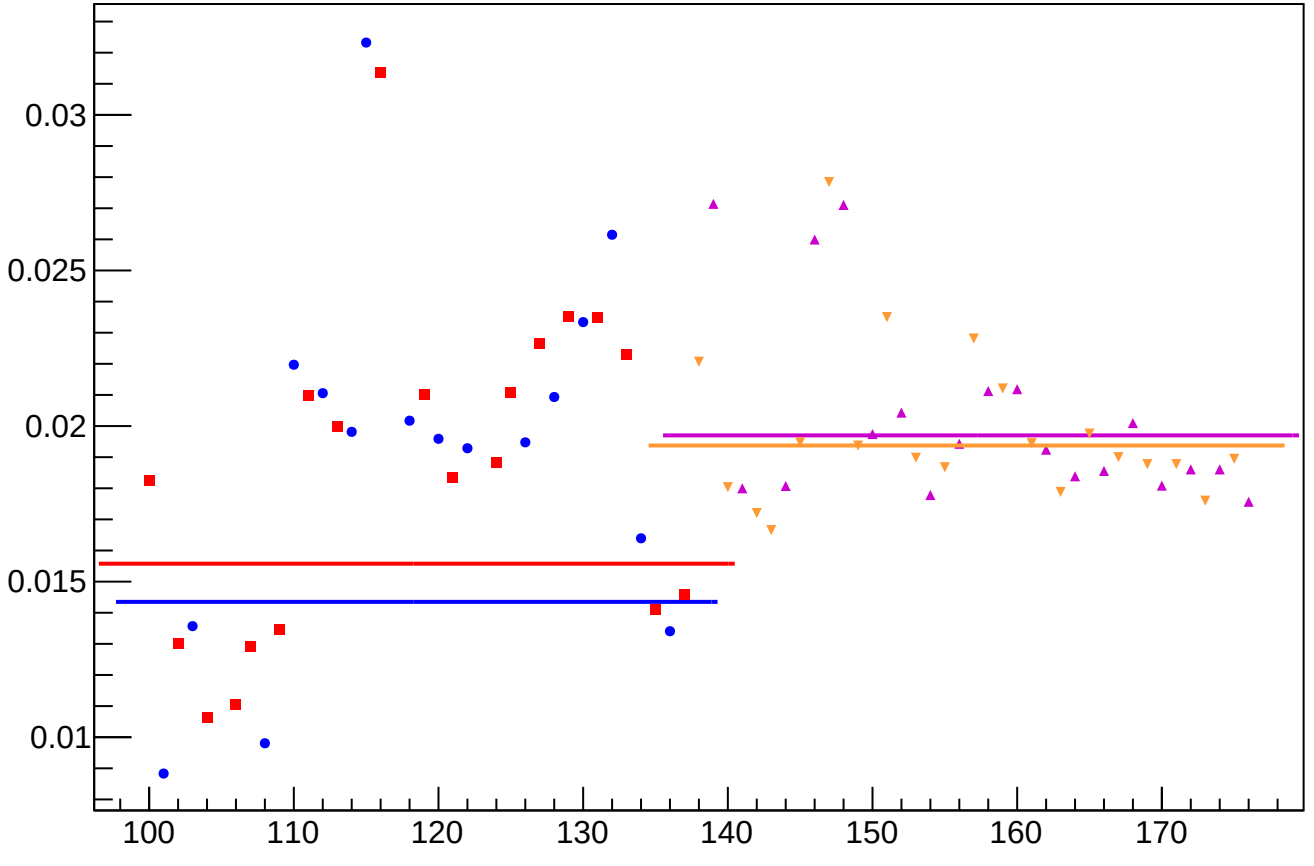
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.847+/-0.000 χ^2/NDF:50206935499.9/34

Out: 9.832+/-0.000 χ^2/NDF:47546216780.5/38

All: 9.839+/-0.000 χ^2/NDF: 97760878026.9/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:354211.1/19

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:451547.1/18

Left: 0.020+/-0.000 χ^2/NDF: 809701.1/38

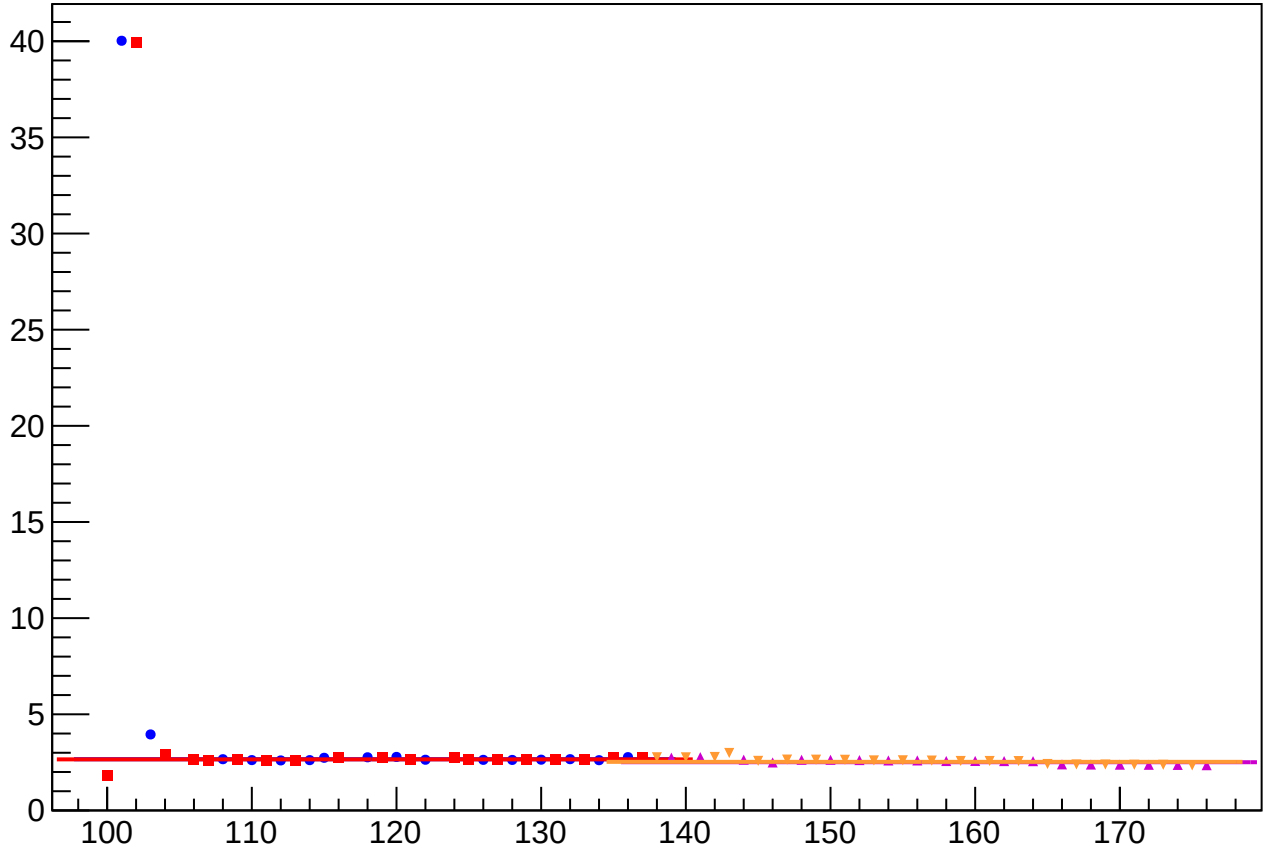
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2830281.1/34

Out: 0.018+/-0.000 χ^2/NDF:1868030.9/38

All: 0.018+/-0.000 χ^2/NDF: 4712547.8/73

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.527+/-0.000 χ^2/NDF:72398830327.4/19

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.508+/-0.000 χ^2/NDF:51078111721.5/18

Left: 2.518+/-0.000 χ^2/NDF: 124033225178.2/38

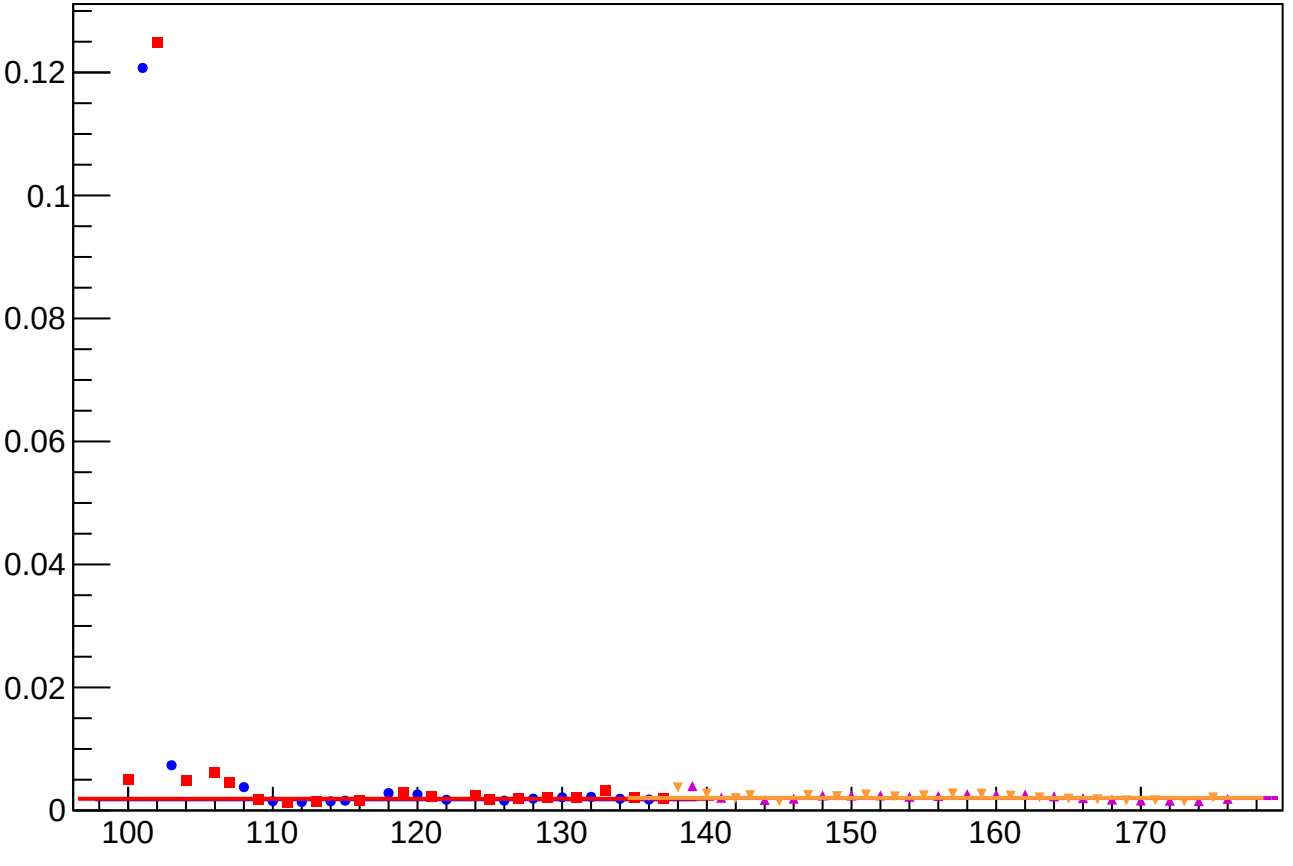
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.558+/-0.000 χ^2/NDF:142627491514.9/34

Out: 2.568+/-0.000 χ^2/NDF:153458734908.5/38

All: 2.563+/-0.000 χ^2/NDF: 296309008521.0

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:1372247.0/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1213661.7/18

Left: 0.002+/-0.000 χ^2/NDF: 2587910.4/38

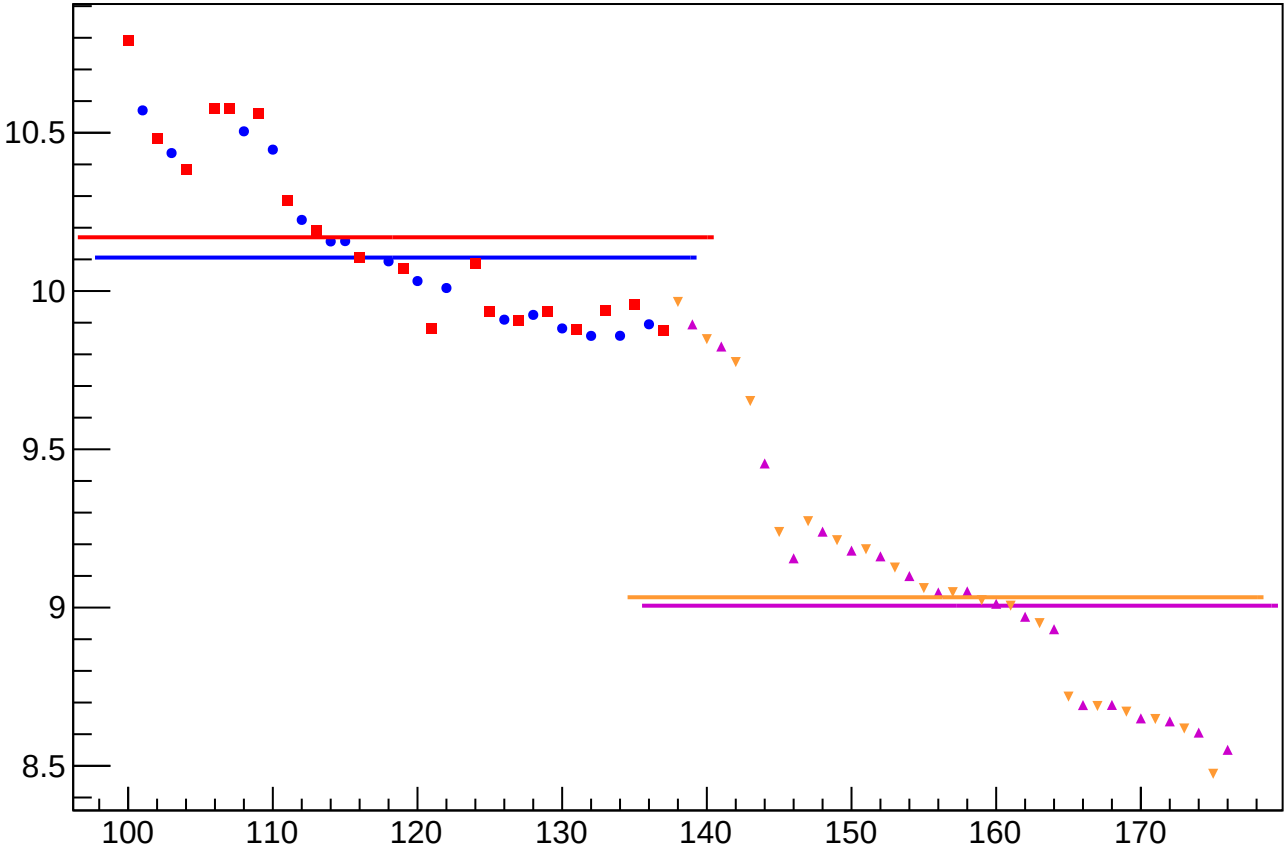
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3117540.8/34

Out: 0.002+/-0.000 χ^2/NDF:3937772.2/38

All: 0.002+/-0.000 χ^2/NDF: 7064511.1/73

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.033+/-0.000 χ^2/NDF:47461689703.6/19

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.006+/-0.000 χ^2/NDF:41323115180.9/18

Left: 9.020+/-0.000 χ^2/NDF: 88906064667.5/38

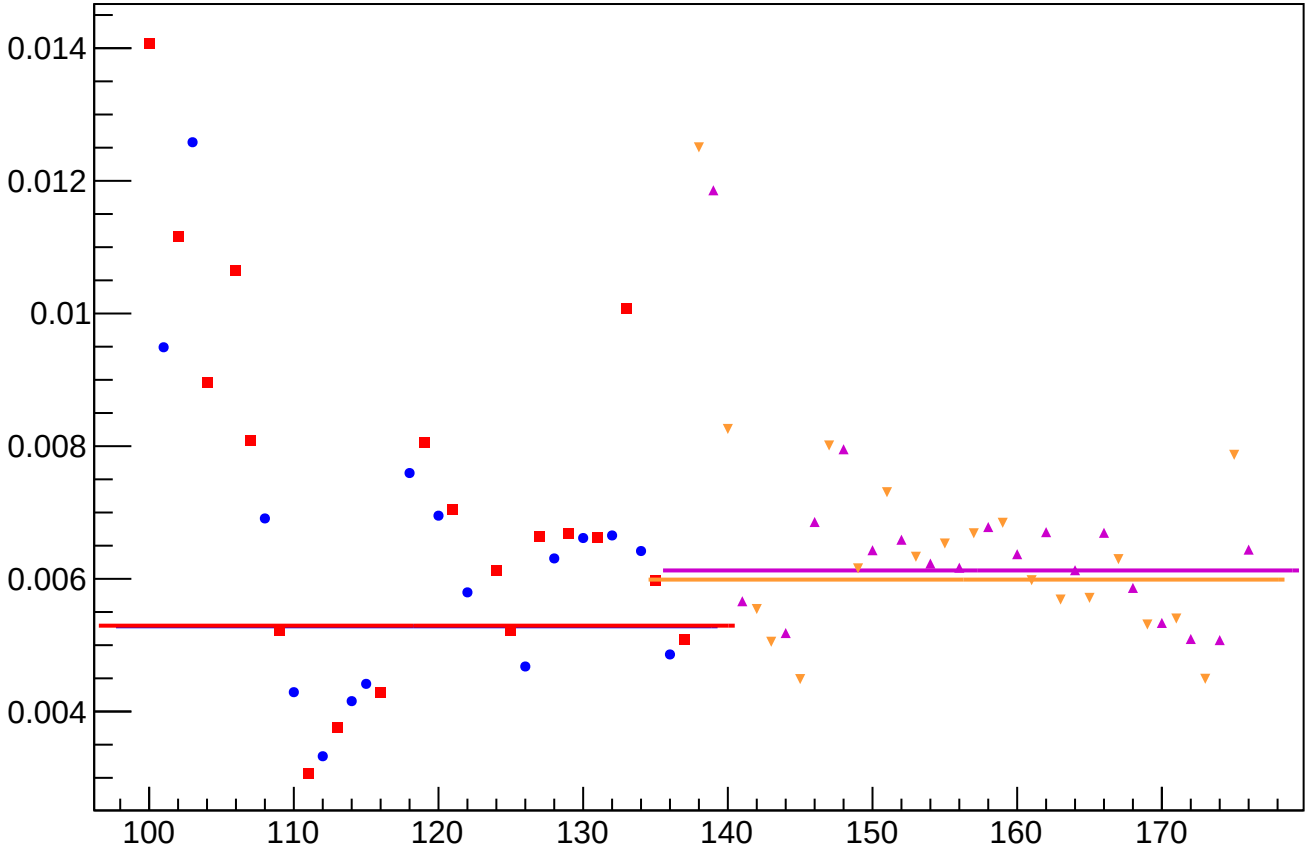
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.411+/-0.000 χ^2/NDF:198257206209.1/34

Out: 9.441+/-0.000 χ^2/NDF:219733996902.1/38

All: 9.426+/-0.000 χ^2/NDF: 418234765455.1

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:1112564.5/19

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:707322.9/18

Left: 0.006+/-0.000 χ^2/NDF: 1826395.1/38

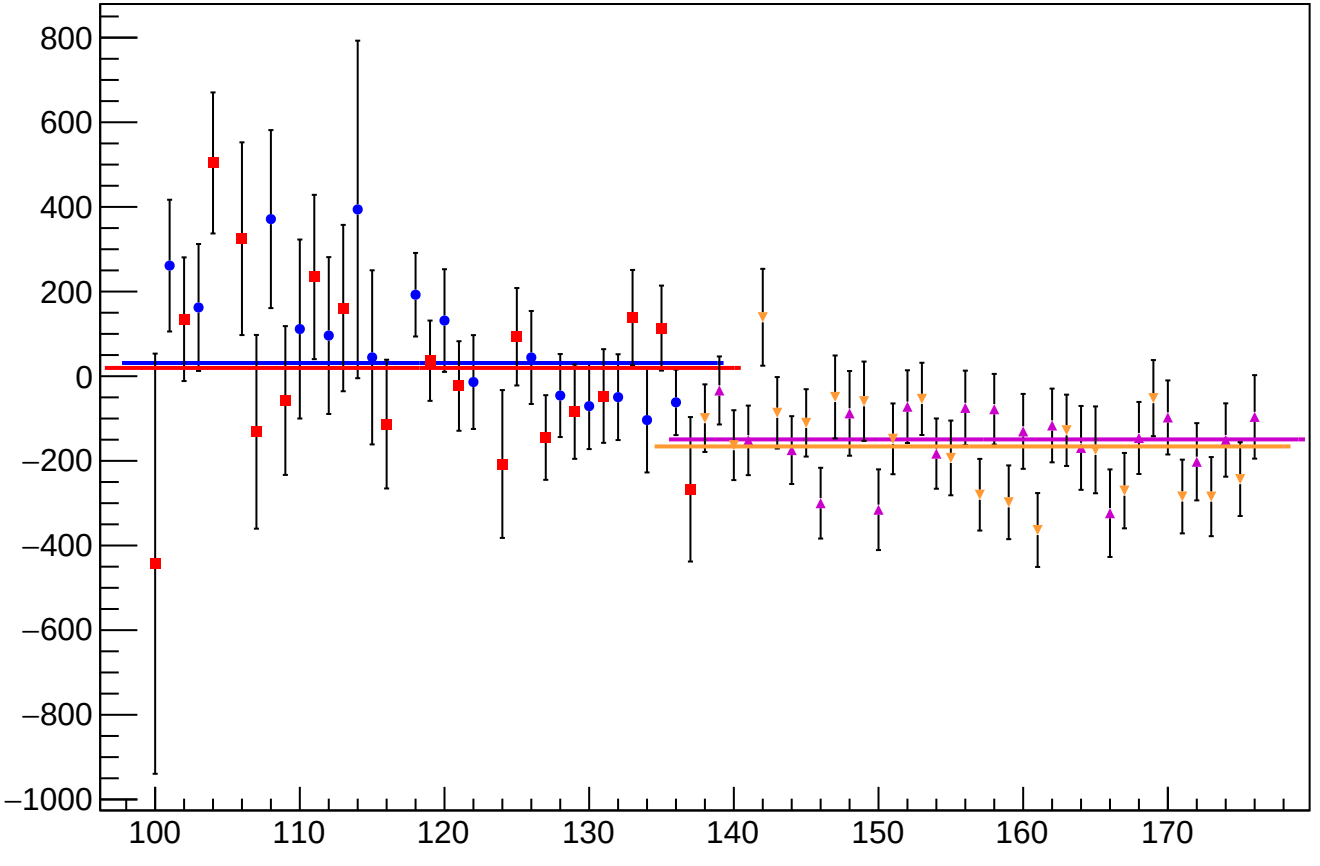
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2154753.1/34

Out: 0.006+/-0.000 χ^2/NDF:3026494.3/38

All: 0.006+/-0.000 χ^2/NDF: 5184465.6/73

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.928+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -149.297+/-20.228 χ^2/NDF:15.3/18

Left: -157.822+/-14.122 χ^2/NDF: 46.1/38

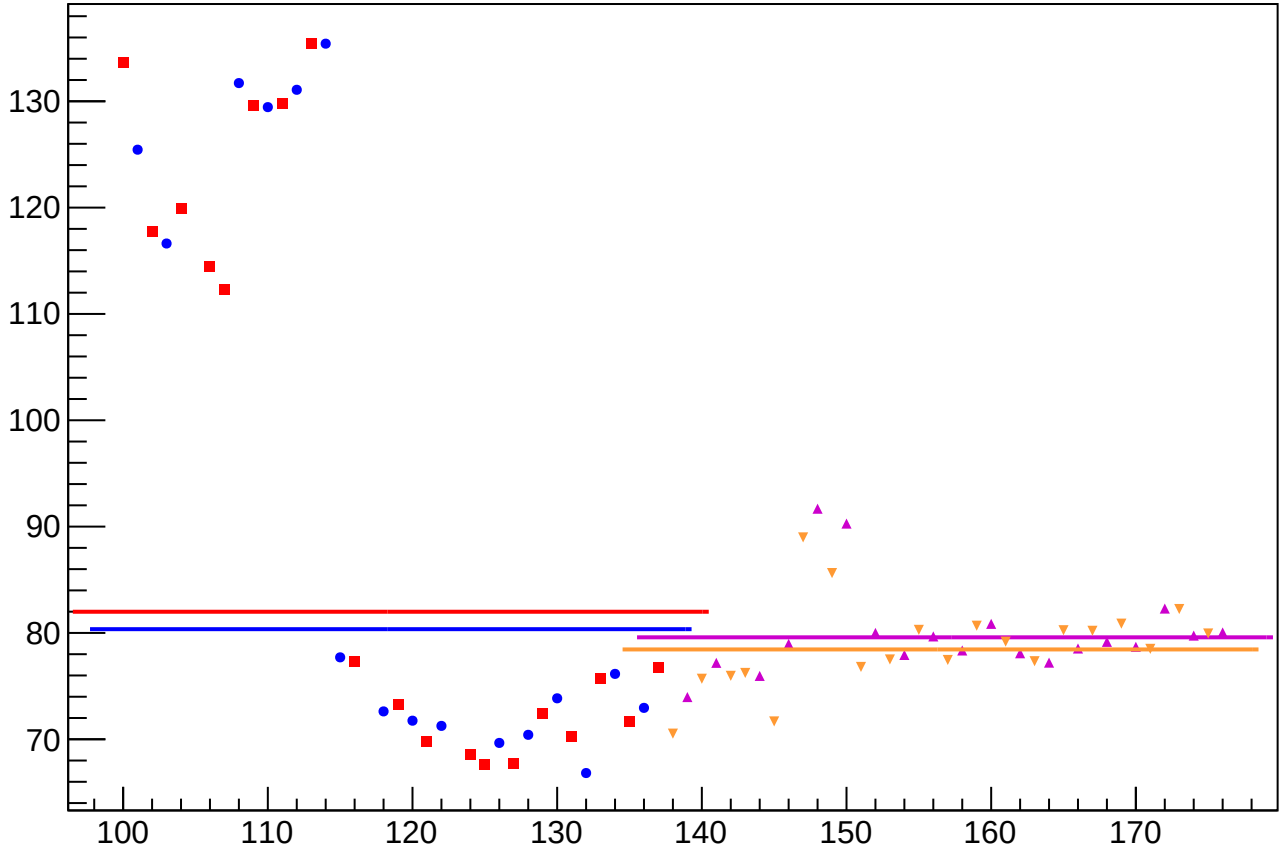
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -112.614+/-16.650 χ^2/NDF:81.8/38

All: -103.870+/-11.863 χ^2/NDF: 136.7/73

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

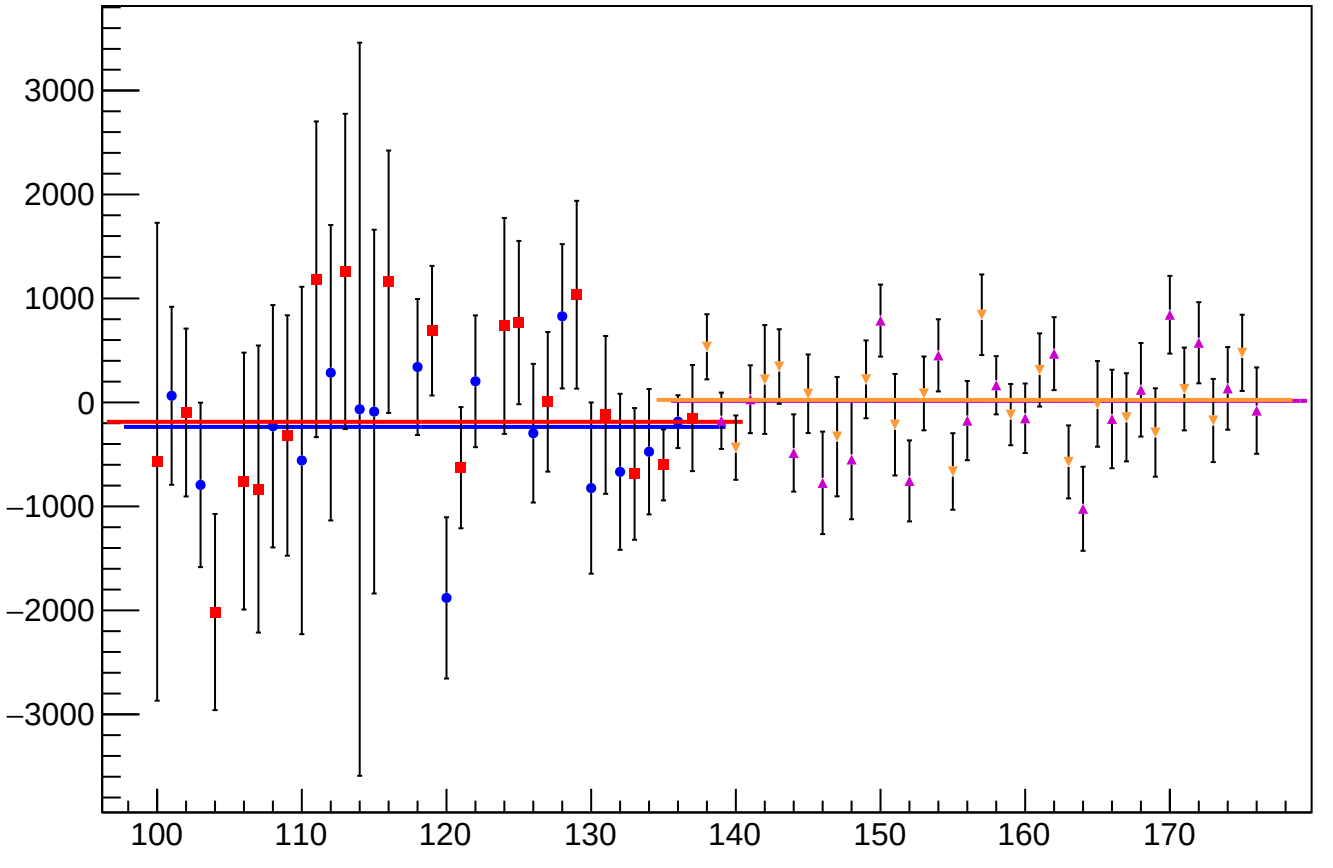
Left: 79.003+/-0.010 χ^2/NDF: 163260.8/38

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.818+/-0.012 χ^2/NDF:916677.4/34

Out: 79.467+/-0.012 χ^2/NDF:1035142.8/38

All: 79.640+/-0.008 χ^2/NDF: 1952259.3/73



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.282+/-84.485 χ^2/NDF:21.1/19

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 14.713+/-84.898 χ^2/NDF:32.7/18

Left: 19.521+/-59.885 χ^2/NDF: 53.7/38

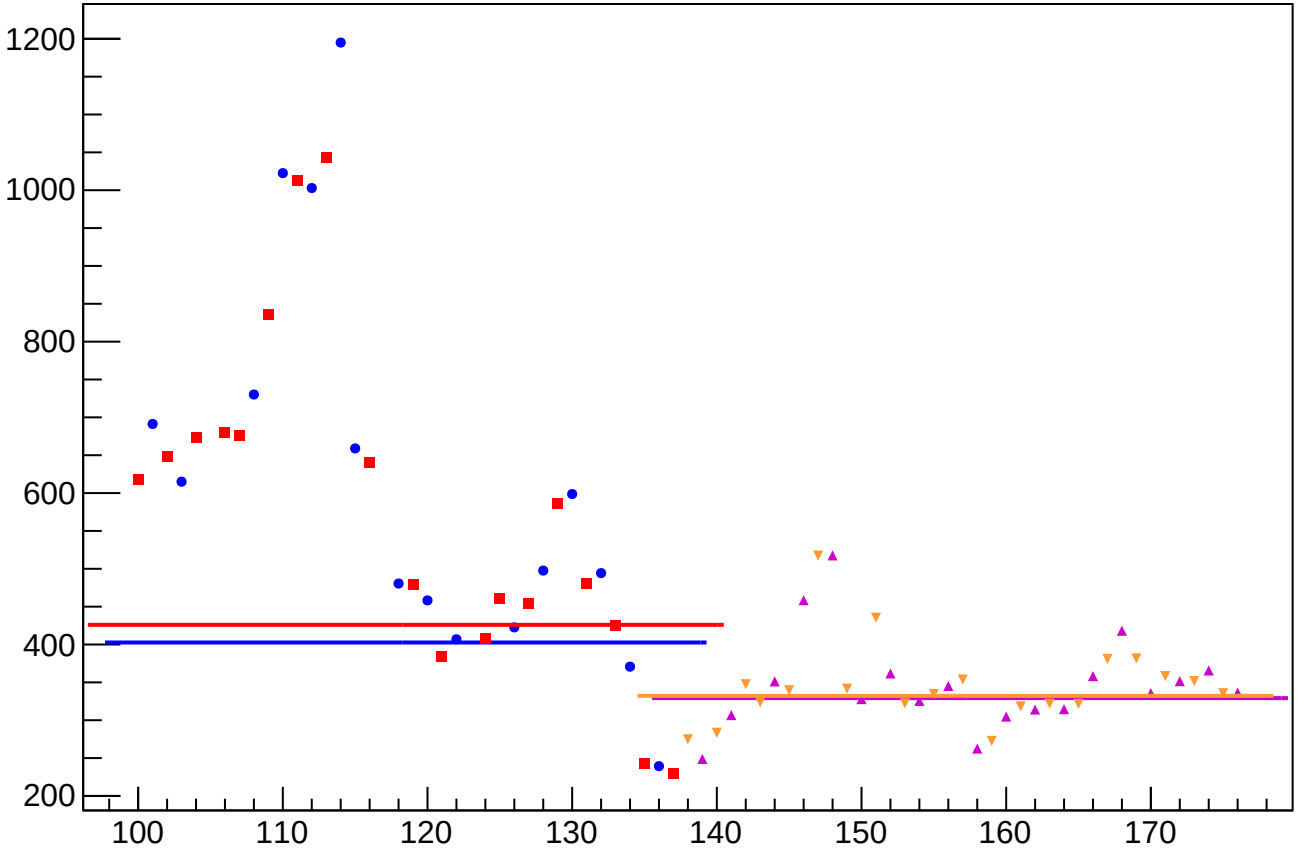
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -38.293+/-75.372 χ^2/NDF:44.4/34

Out: -17.335+/-75.692 χ^2/NDF:38.2/38

All: -27.858+/-53.409 χ^2/NDF: 82.7/73

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.242+/-0.060 χ^2/NDF:582031.8/19

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 329.193+/-0.060 χ^2/NDF:803420.3/18

Left: 330.725+/-0.042 χ^2/NDF: 1386748.6/38

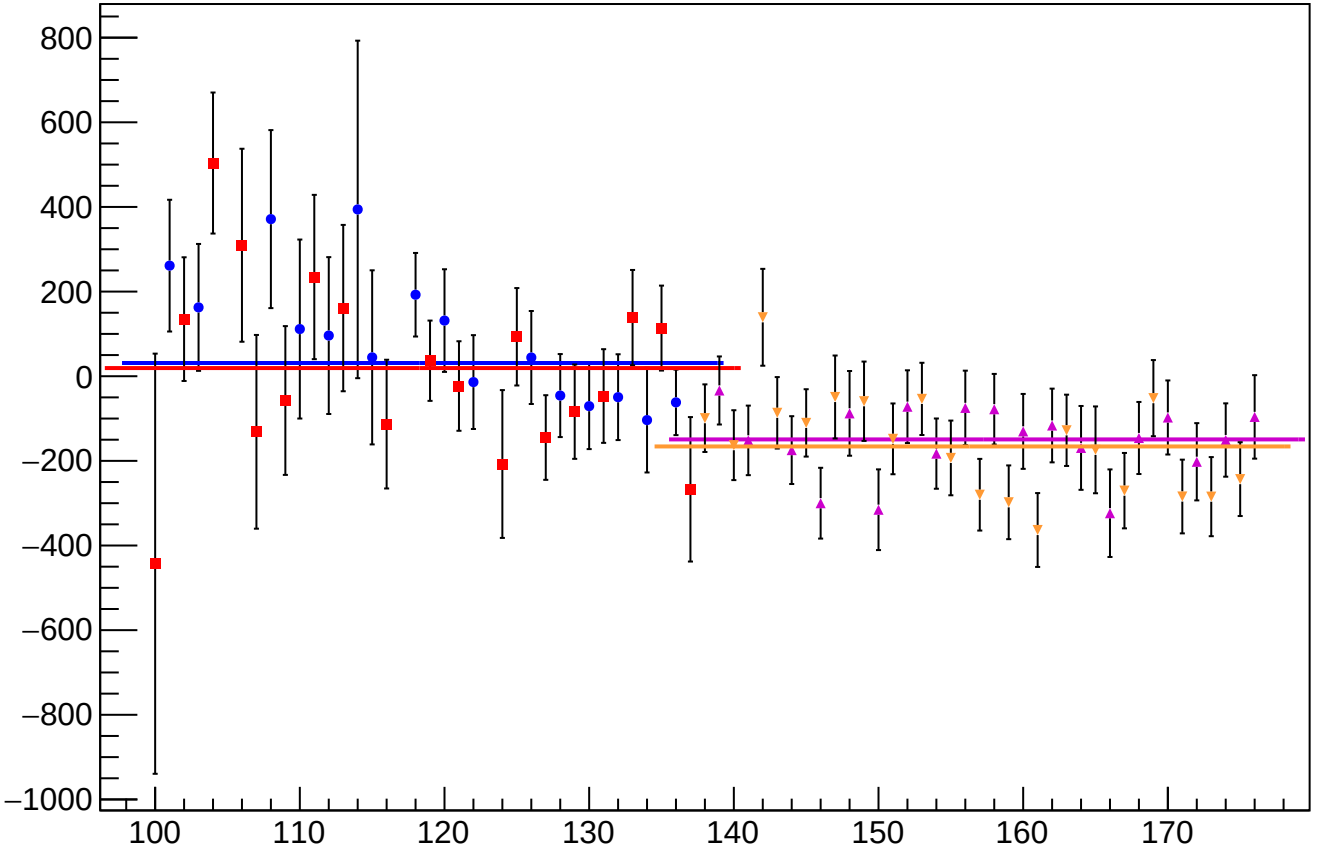
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.755+/-0.053 χ^2/NDF:3480738.7/34

Out: 350.739+/-0.054 χ^2/NDF:3436655.2/38

All: 347.734+/-0.038 χ^2/NDF: 6923671.7/73

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -149.301+/-20.228 χ^2/NDF:15.3/18

Left: -157.823+/-14.122 χ^2/NDF: 46.1/38

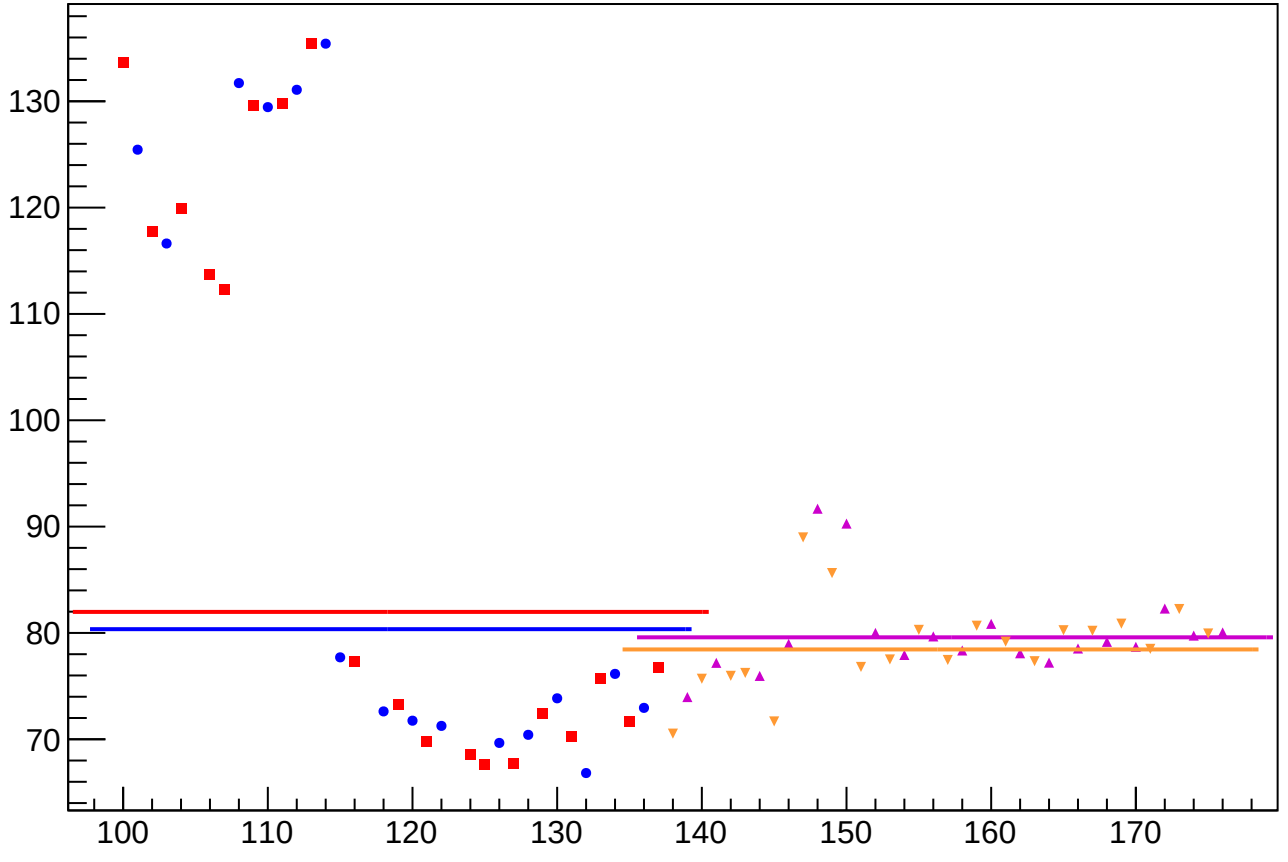
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -112.699+/-16.651 χ^2/NDF:81.5/38

All: -103.913+/-11.863 χ^2/NDF: 136.5/73

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

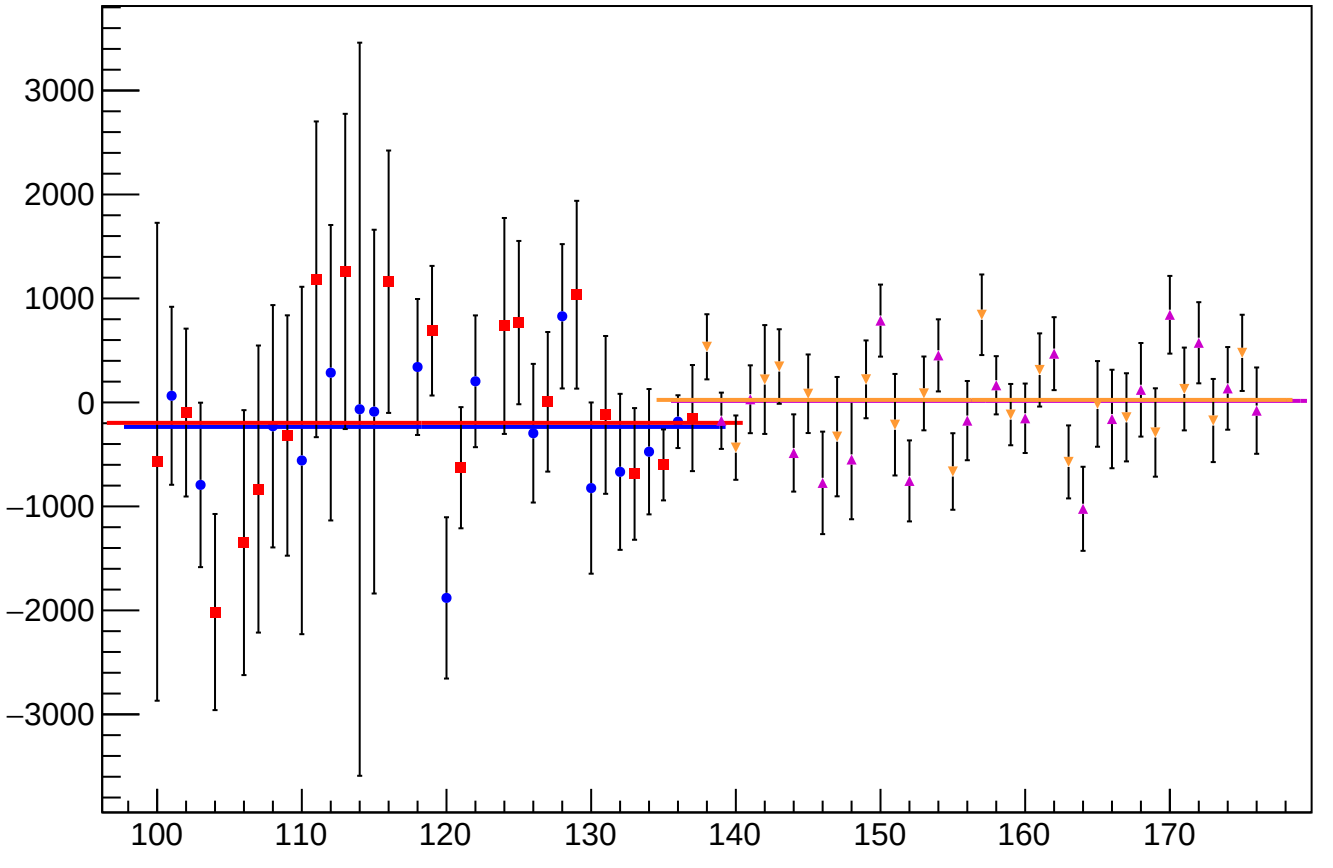
Left: 79.003+/-0.010 χ^2/NDF: 163260.8/38

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.818+/-0.012 χ^2/NDF:916677.5/34

Out: 79.462+/-0.012 χ^2/NDF:1033113.6/38

All: 79.638+/-0.008 χ^2/NDF: 1950241.3/73



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 14.708+/-84.898 χ^2/NDF:32.7/18

Left: 19.518+/-59.885 χ^2/NDF: 53.7/38

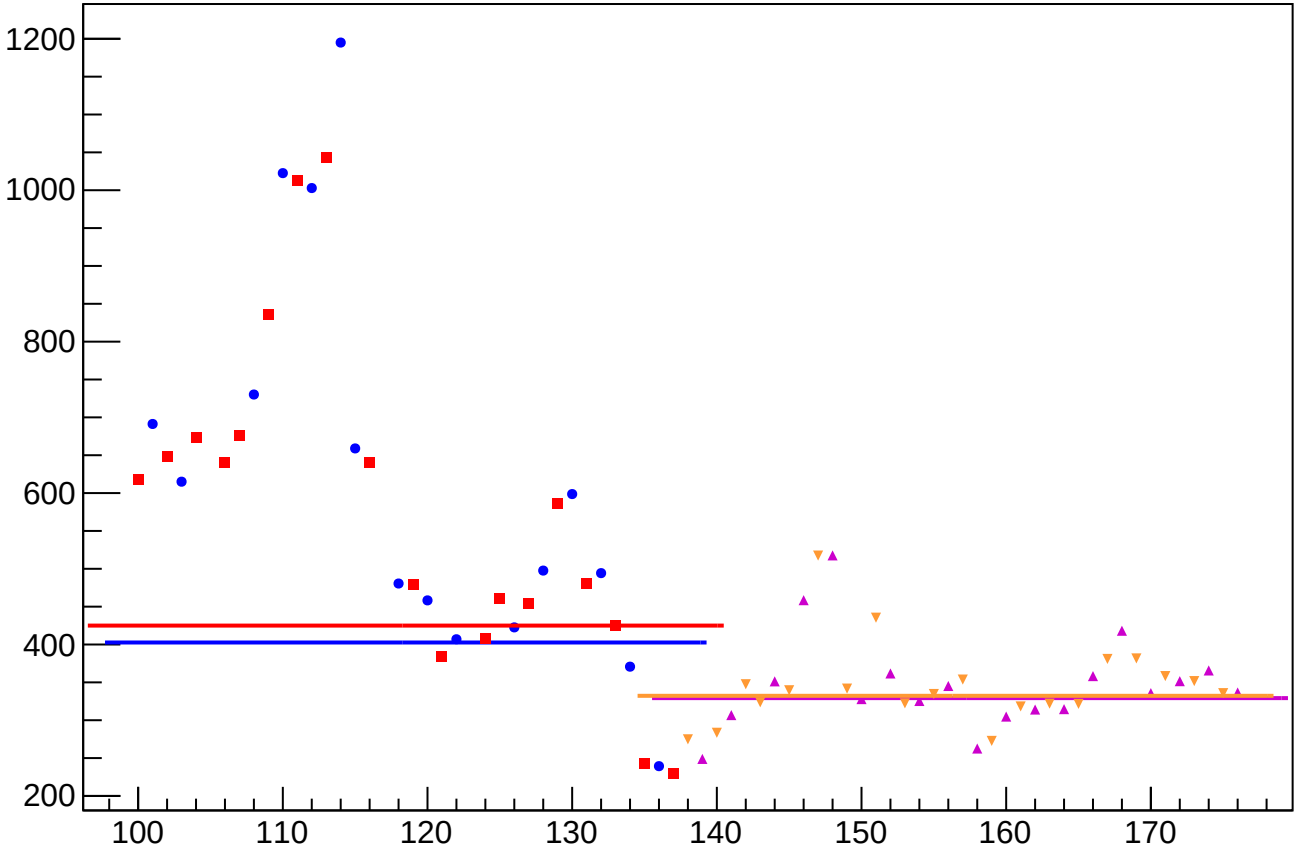
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.297+/-75.372 χ^2/NDF:44.4/34

Out: -19.260+/-75.700 χ^2/NDF:39.0/38

All: -28.820+/-53.412 χ^2/NDF: 83.4/73

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

Left: 330.725+/-0.042 χ^2/NDF: 1386755.7/38

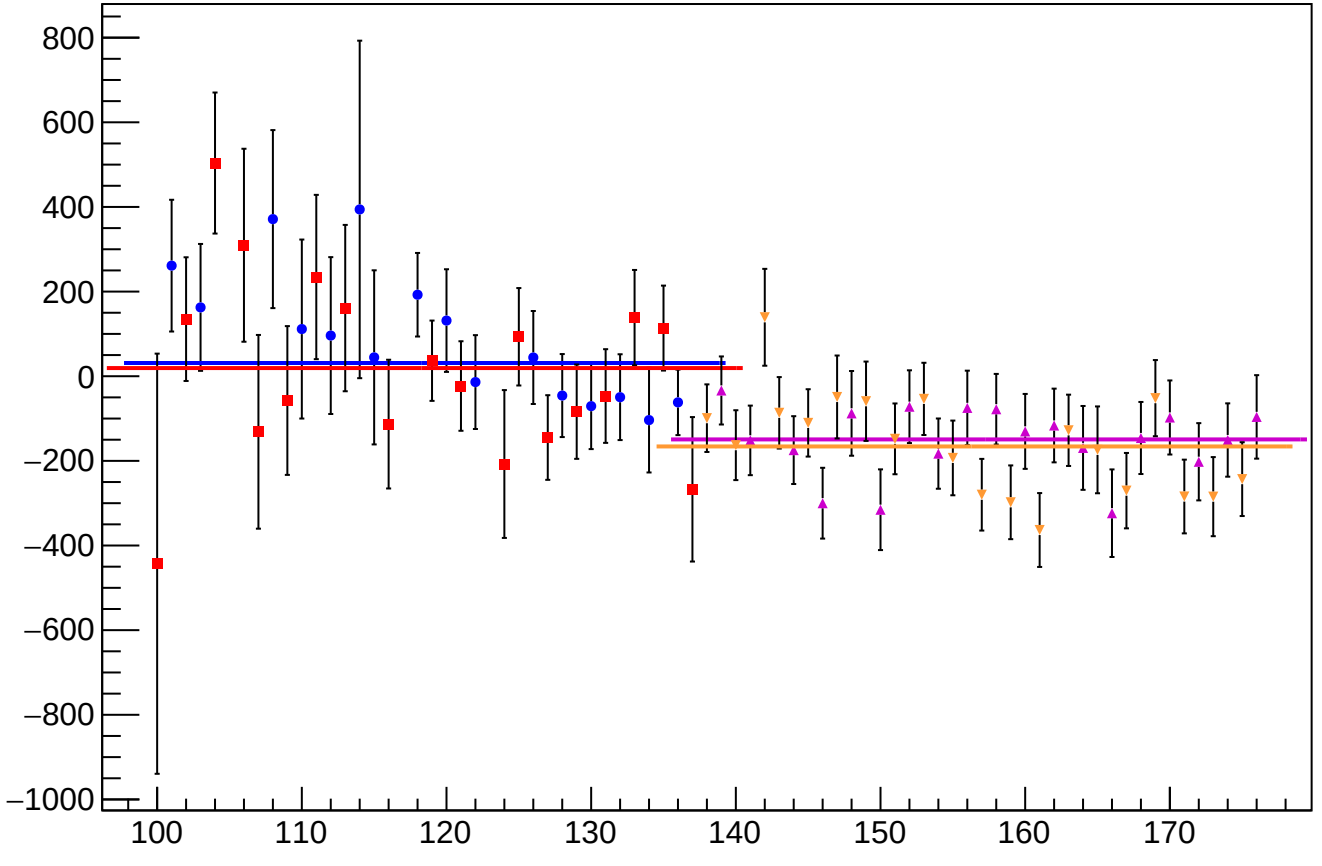
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.755+/-0.053 χ^2/NDF:3480734.9/34

Out: 350.527+/-0.054 χ^2/NDF:3398232.2/38

All: 347.628+/-0.038 χ^2/NDF: 6884805.7/73

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -165.926+/-19.724 χ^2/NDF:30.4/19

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -149.301+/-20.228 χ^2/NDF:15.3/18

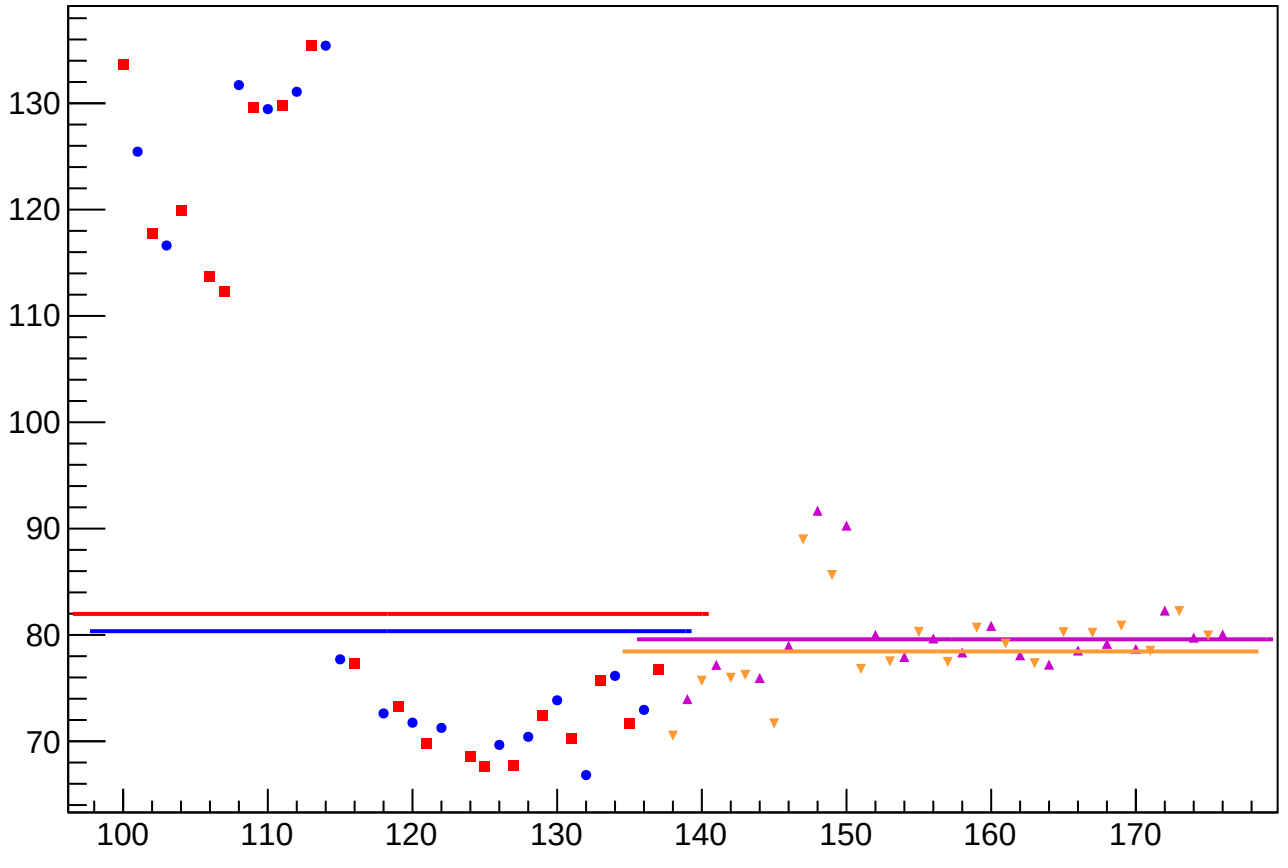
Left: -157.823+/-14.122 χ^2/NDF: 46.1/38

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -112.699+/-16.651 χ^2/NDF:81.5/38

All: -103.913+/-11.863 χ^2/NDF: 136.5/73



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.448+/-0.014 χ^2/NDF:84237.6/19

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

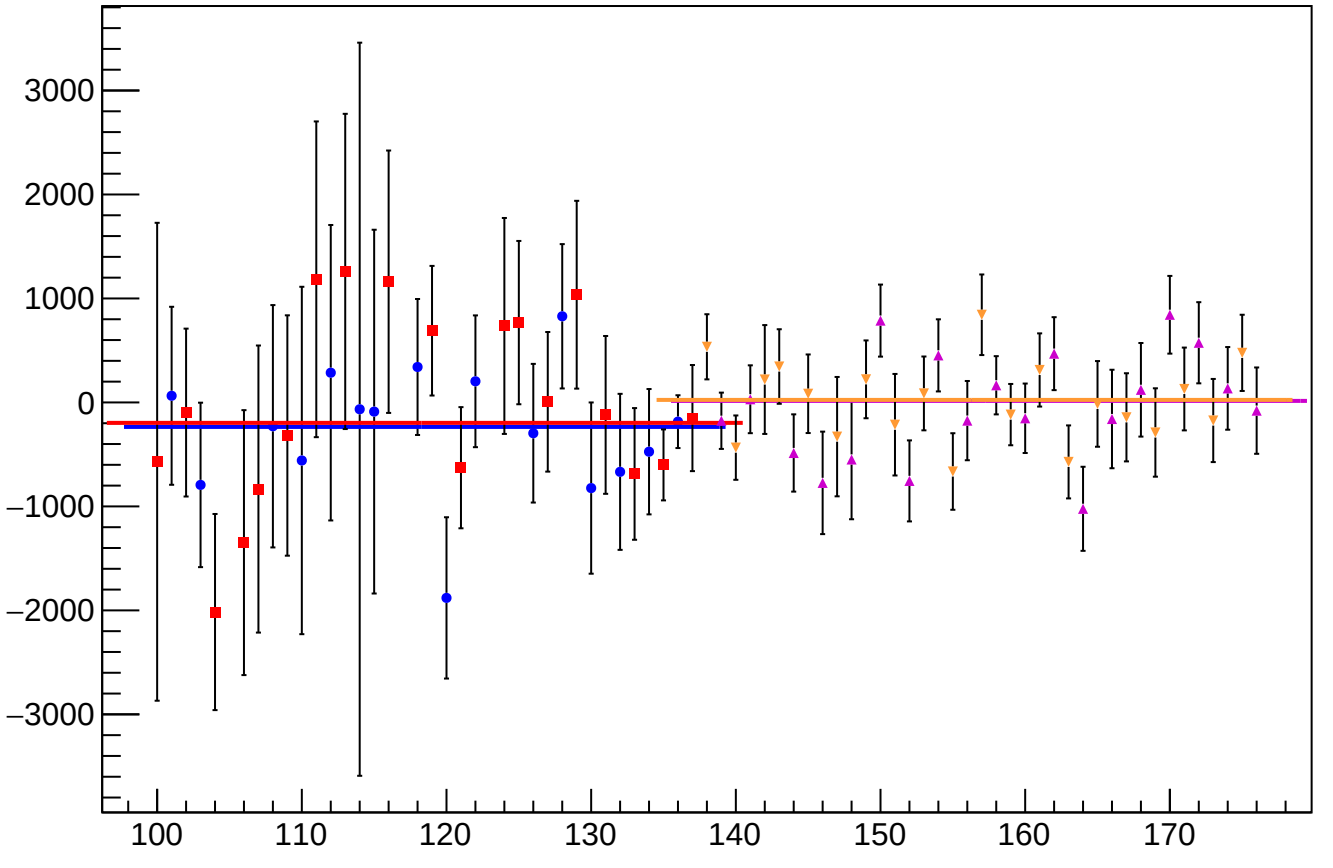
Left: 79.003+/-0.010 χ^2/NDF: 163260.8/38

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.818+/-0.012 χ^2/NDF:916677.5/34

Out: 79.462+/-0.012 χ^2/NDF:1033113.6/38

All: 79.638+/-0.008 χ^2/NDF: 1950241.3/73



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 24.281+/-84.485 χ^2/NDF:21.1/19

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 14.708+/-84.898 χ^2/NDF:32.7/18

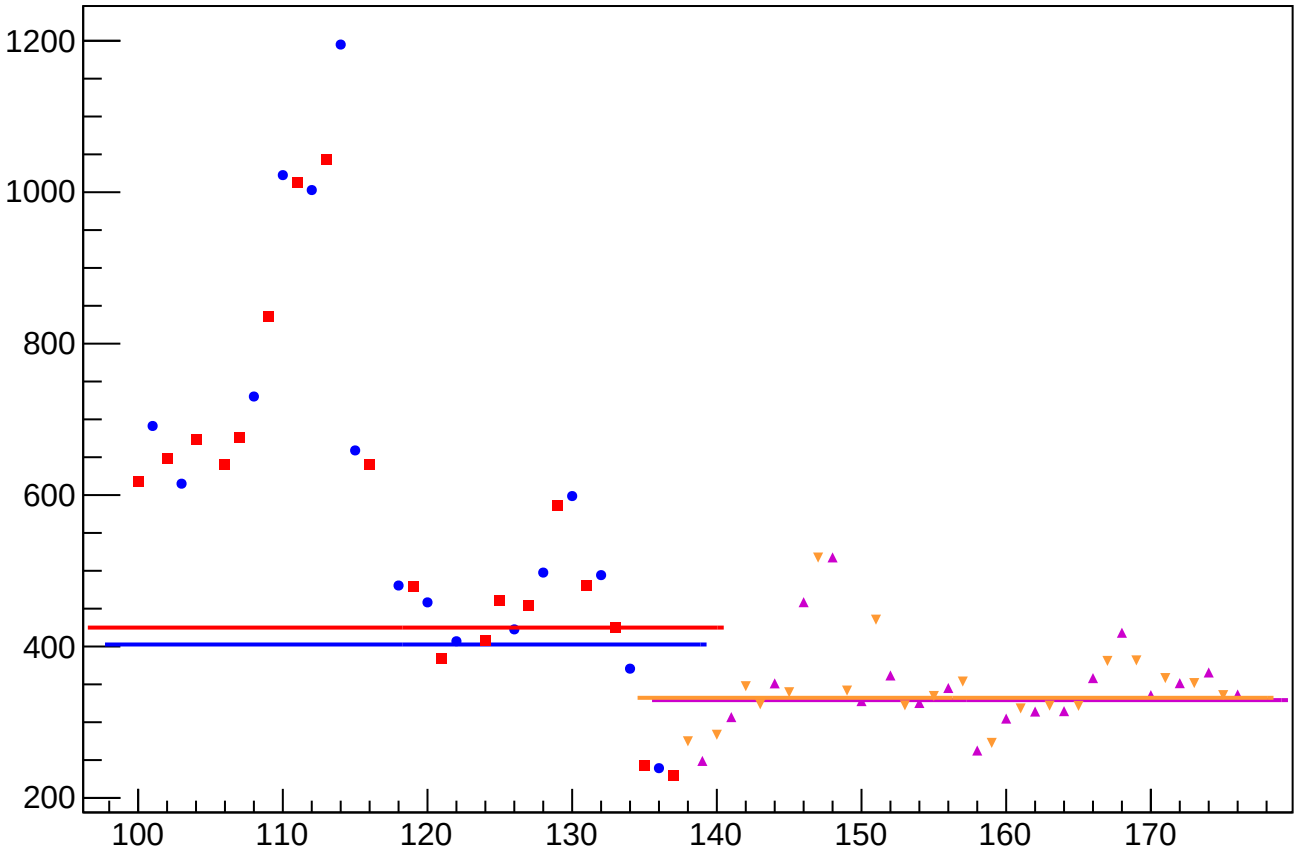
Left: 19.518+/-59.885 χ^2/NDF: 53.7/38

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.297+/-75.372 χ^2/NDF:44.4/34

Out: -19.260+/-75.700 χ^2/NDF:39.0/38

All: -28.820+/-53.412 χ^2/NDF: 83.4/73



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.242+/-0.060 χ^2/NDF:582039.4/19

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

Left: 330.725+/-0.042 χ^2/NDF: 1386755.7/38

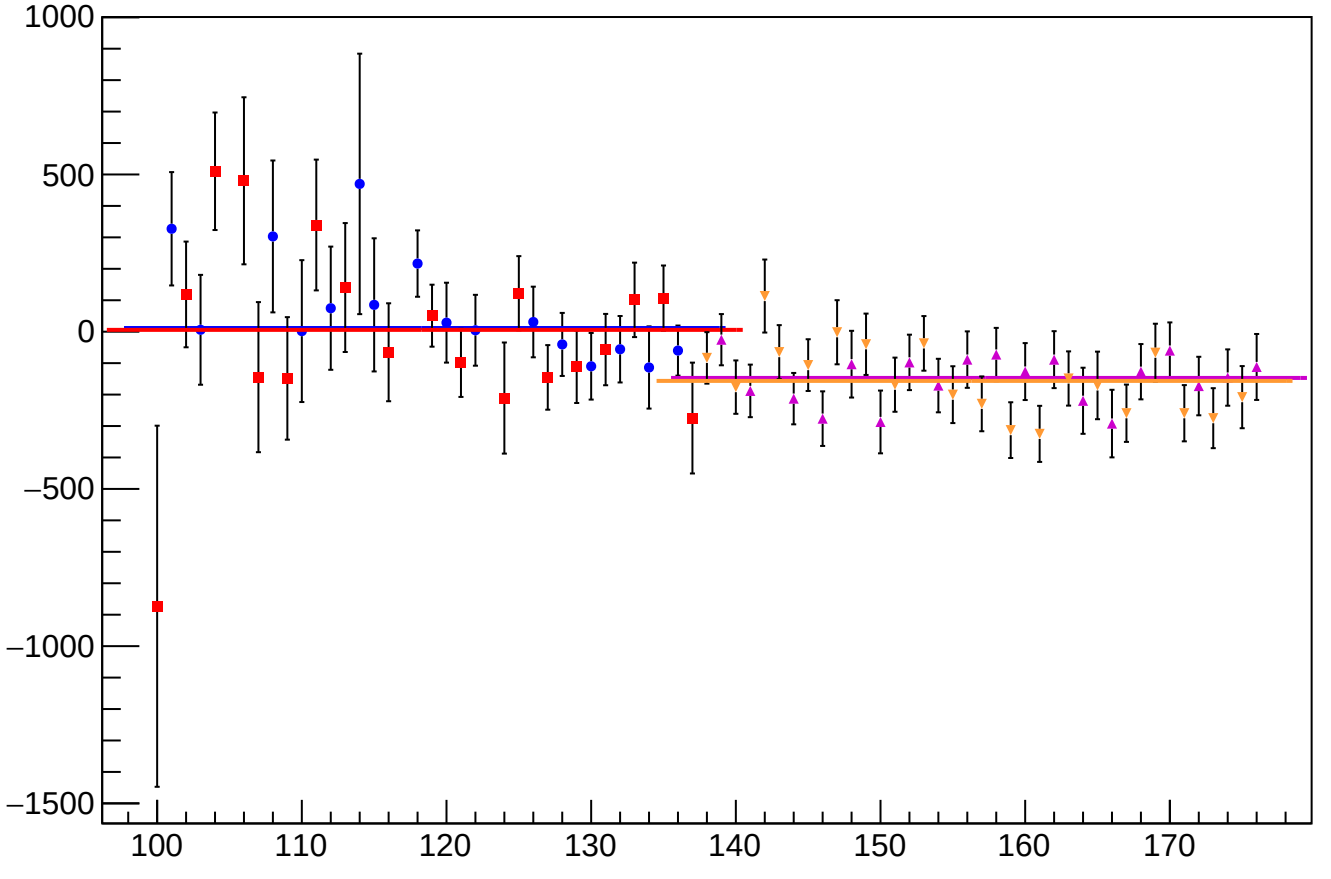
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.755+/-0.053 χ^2/NDF:3480734.9/34

Out: 350.527+/-0.054 χ^2/NDF:3398232.2/38

All: 347.628+/-0.038 χ^2/NDF: 6884805.7/73

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.039+/-20.844 χ^2/NDF:13.0/18

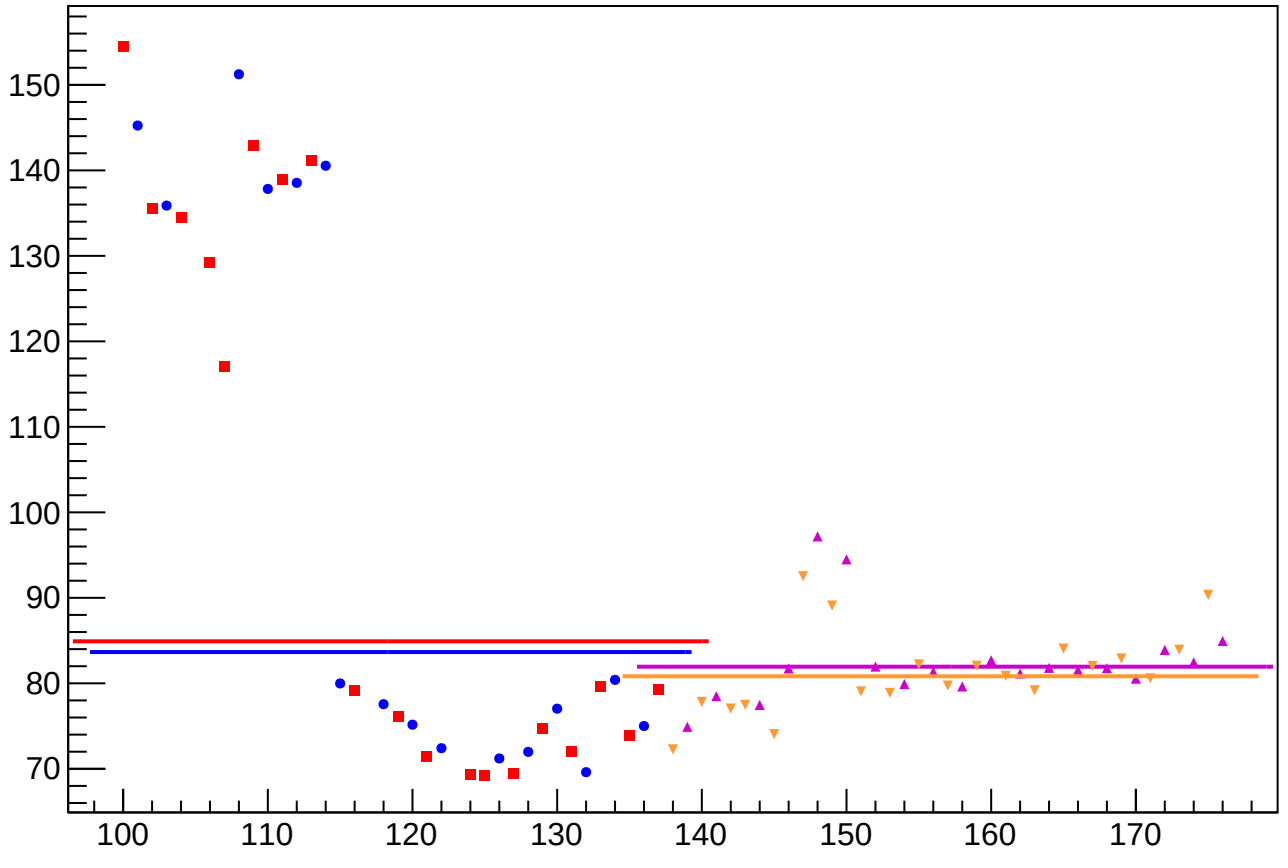
Left: -151.864+/-14.556 χ^2/NDF: 39.5/38

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.378+/-17.513 χ^2/NDF:43.6/34

Out: -110.684+/-17.231 χ^2/NDF:73.1/38

All: -105.615+/-12.283 χ^2/NDF: 116.9/73



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.825+/-0.014 χ^2/NDF:111392.5/19

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103379.3/18

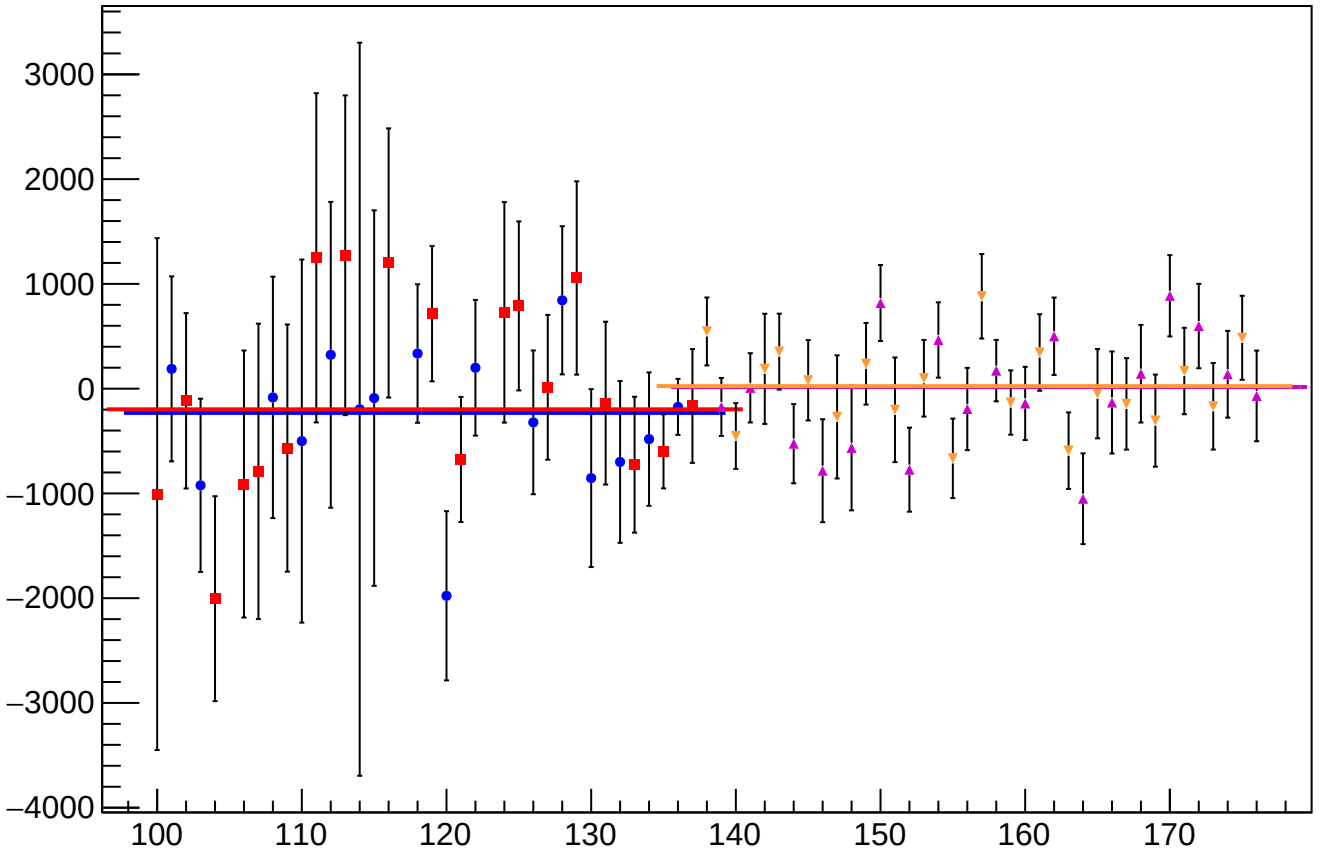
Left: 81.371+/-0.010 χ^2/NDF: 217728.0/38

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.448+/-0.012 χ^2/NDF:1142144.2/34

Out: 81.978+/-0.012 χ^2/NDF:1255860.8/38

All: 82.209+/-0.009 χ^2/NDF: 2398737.0/73



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 15.674+/-87.867 χ^2/NDF:32.4/18

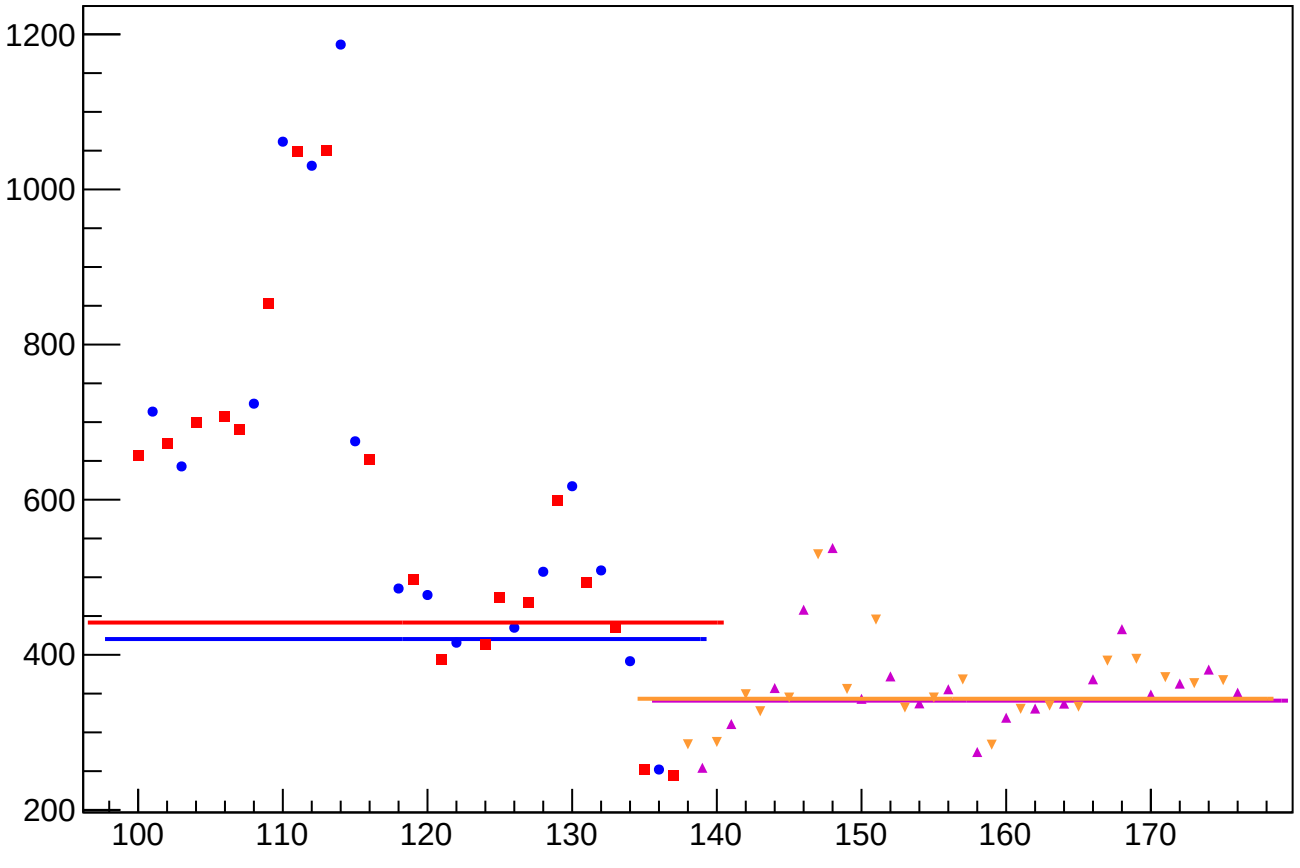
Left: 20.061+/-61.928 χ^2/NDF: 53.2/38

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -36.353+/-78.070 χ^2/NDF:44.5/34

Out: -19.323+/-78.212 χ^2/NDF:37.9/38

All: -27.854+/-55.254 χ^2/NDF: 82.4/73



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.0/19

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.903+/-0.062 χ^2/NDF:785626.1/18

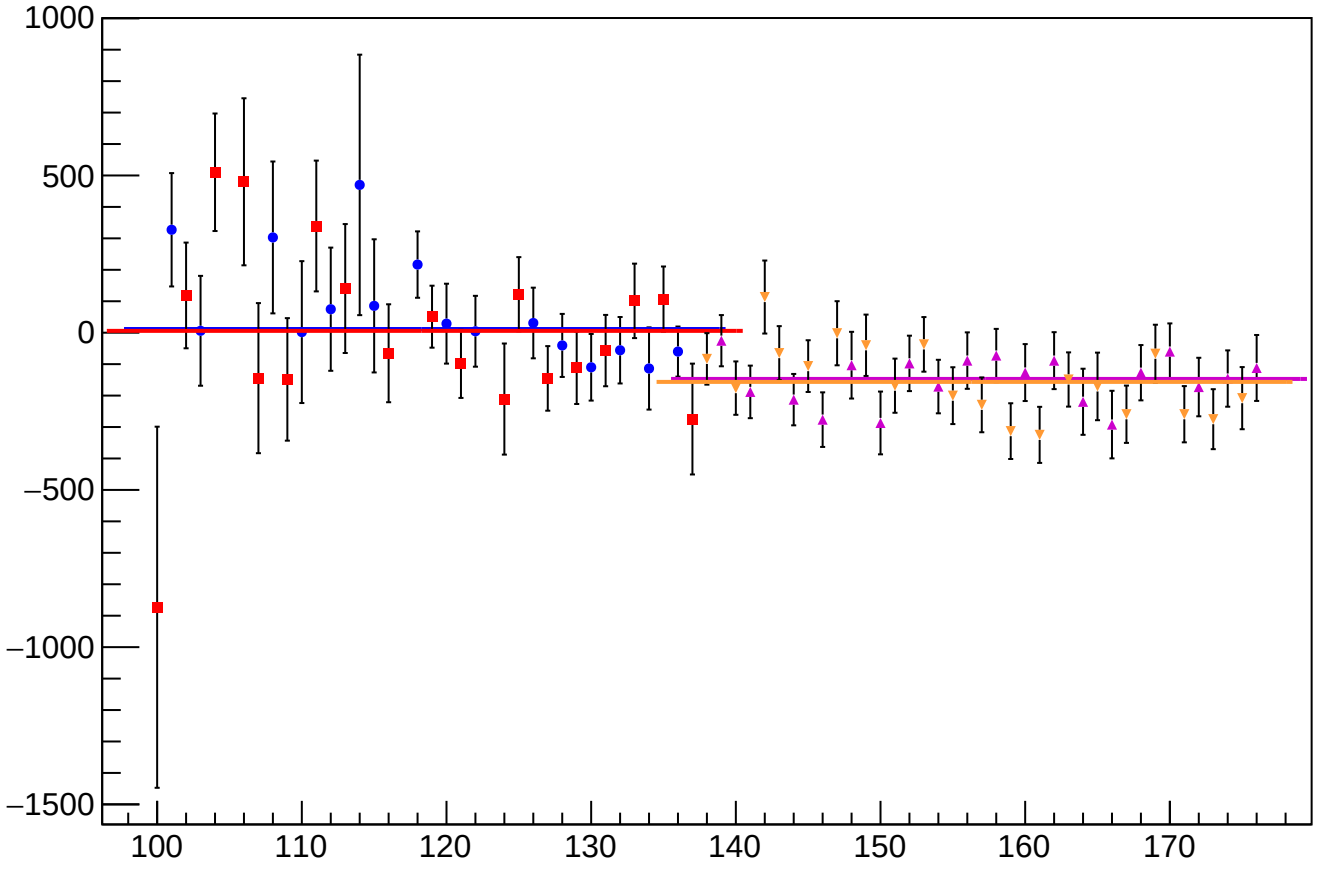
Left: 342.135+/-0.044 χ^2/NDF: 1368074.8/38

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.628+/-0.055 χ^2/NDF:3384347.0/34

Out: 362.732+/-0.055 χ^2/NDF:3389022.5/38

All: 360.175+/-0.039 χ^2/NDF: 6777636.0/73



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.456+/-20.336 χ^2/NDF:26.4/19

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.040+/-20.844 χ^2/NDF:13.0/18

Left: -151.864+/-14.556 χ^2/NDF: 39.5/38

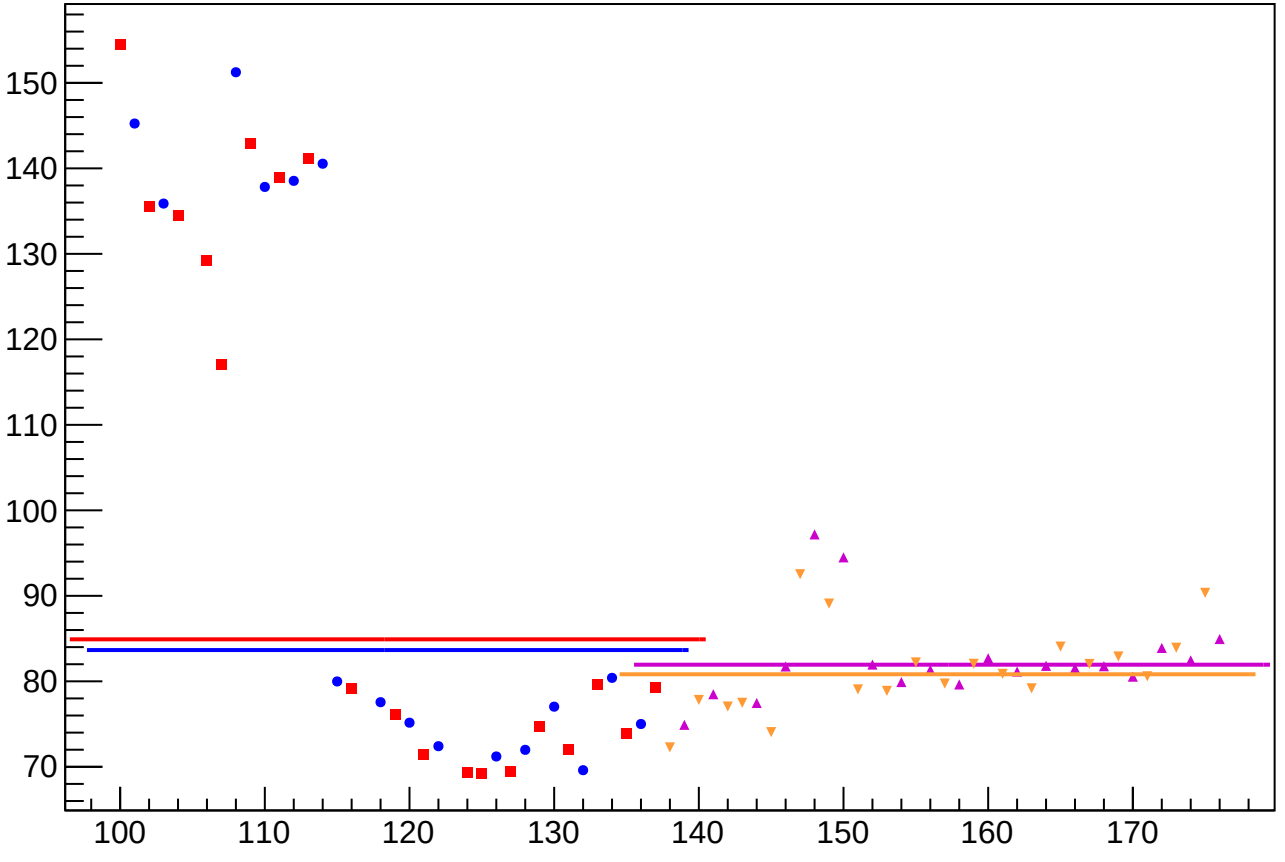
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.378+/-17.513 χ^2/NDF:43.6/34

Out: -110.684+/-17.231 χ^2/NDF:73.1/38

All: -105.614+/-12.283 χ^2/NDF: 116.9/73

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.825+/-0.014 χ^2/NDF:111391.9/19

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103378.4/18

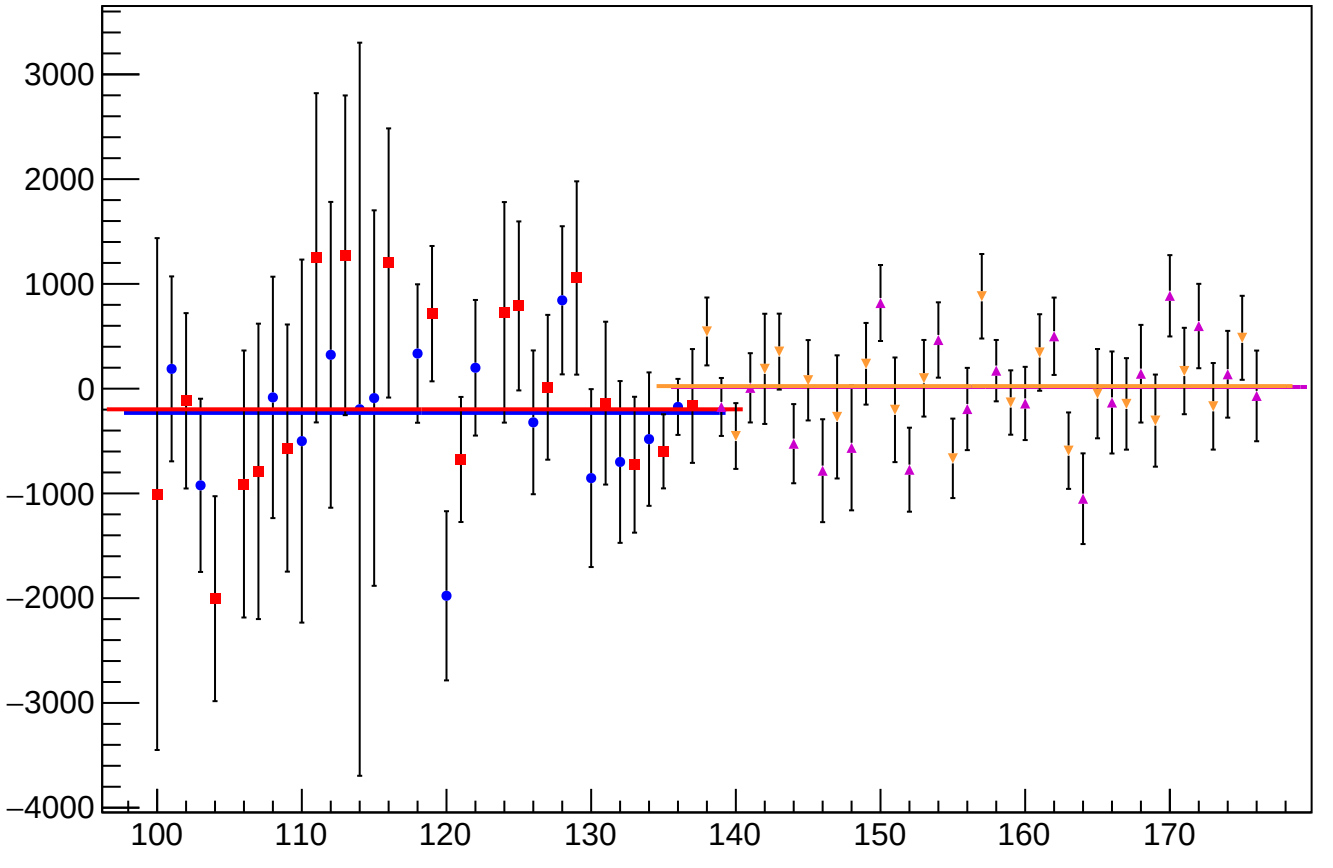
Left: 81.371+/-0.010 χ^2/NDF: 217726.4/38

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.448+/-0.012 χ^2/NDF:1142142.6/34

Out: 81.978+/-0.012 χ^2/NDF:1255858.5/38

All: 82.209+/-0.009 χ^2/NDF: 2398733.0/73



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.392+/-87.295 χ^2/NDF:20.7/19

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 15.674+/-87.867 χ^2/NDF:32.4/18

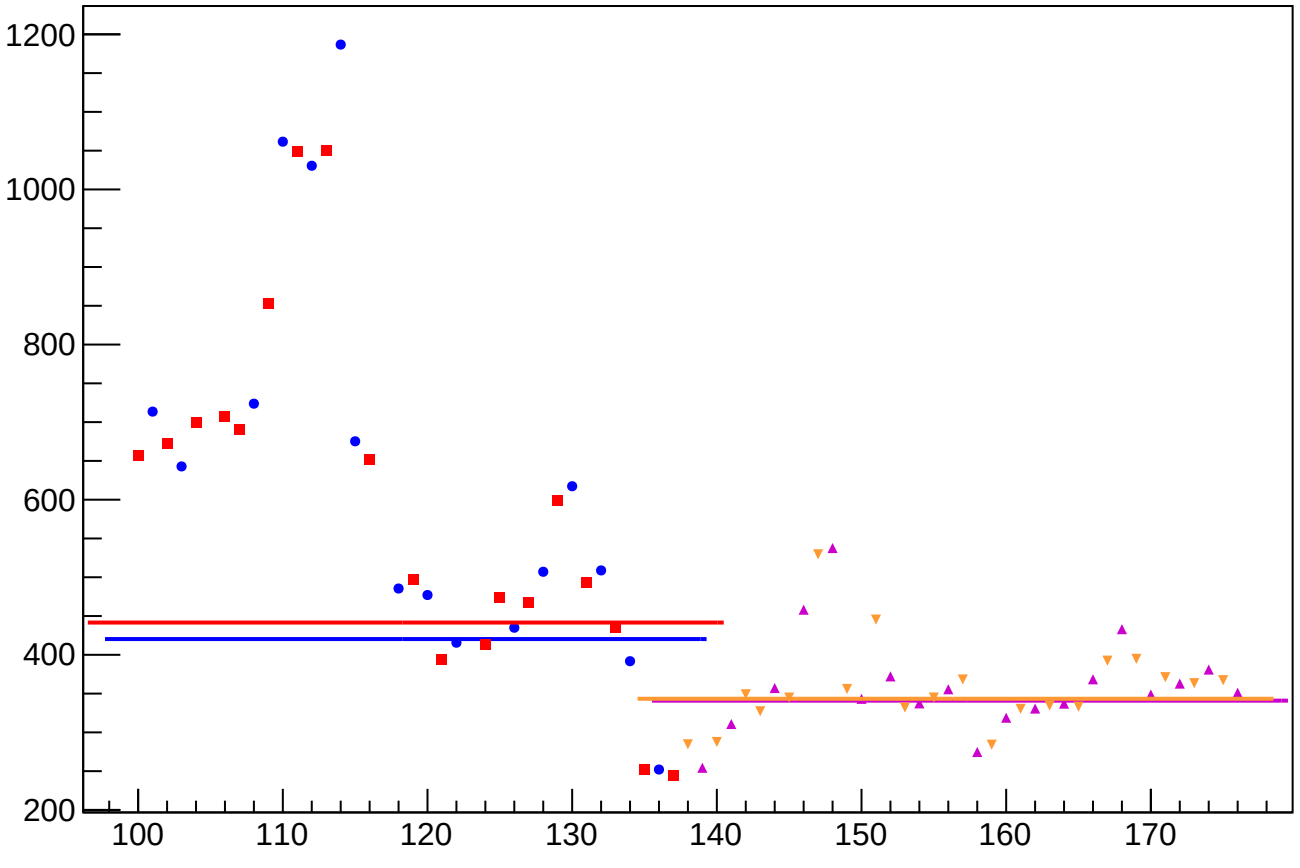
Left: 20.062+/-61.928 χ^2/NDF: 53.2/38

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -36.353+/-78.070 χ^2/NDF:44.5/34

Out: -19.323+/-78.212 χ^2/NDF:37.9/38

All: -27.854+/-55.254 χ^2/NDF: 82.4/73



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 343.350+/-0.062 χ^2/NDF:581668.5/19

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.903+/-0.062 χ^2/NDF:785628.7/18

Left: 342.134+/-0.044 χ^2/NDF: 1368077.8/38

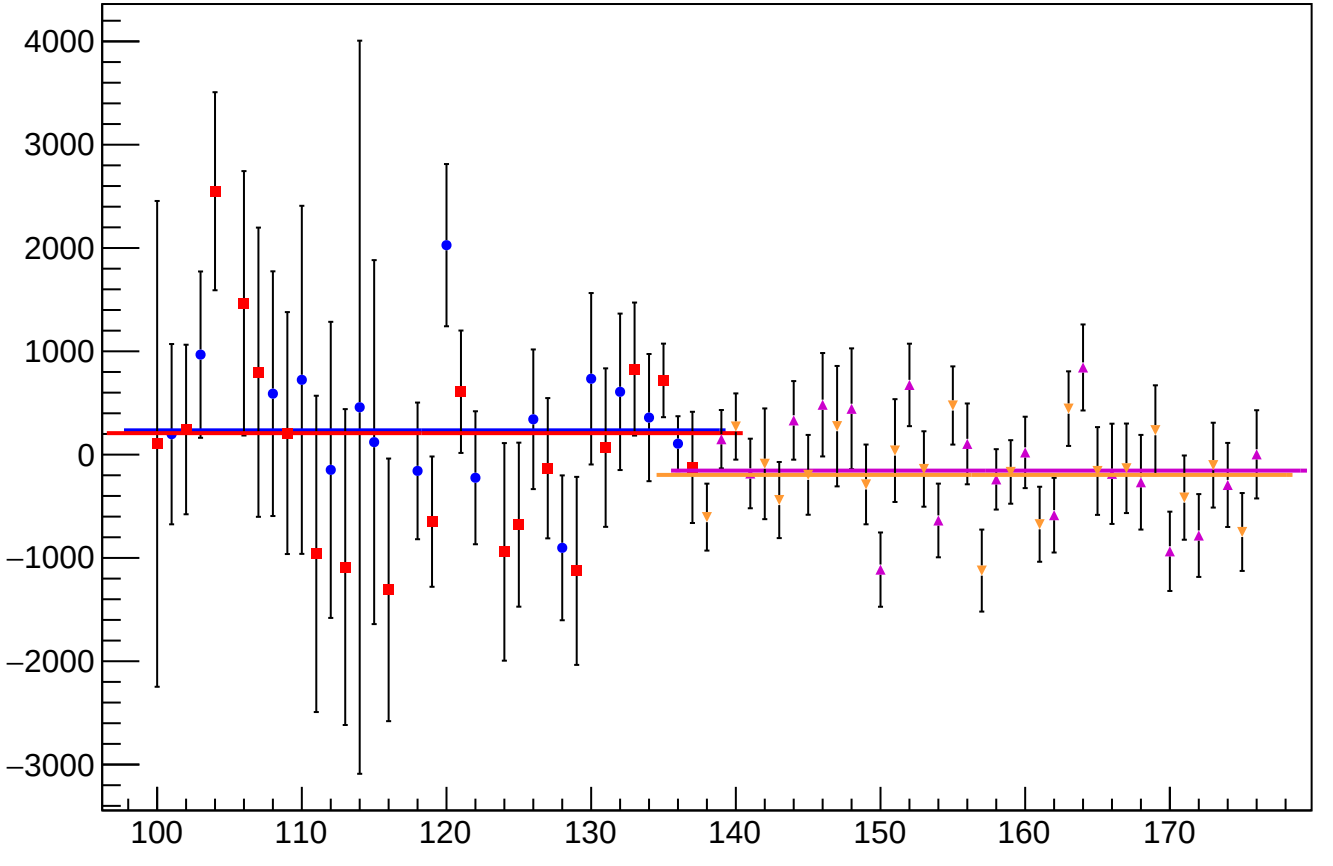
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.627+/-0.055 χ^2/NDF:3384350.5/34

Out: 362.731+/-0.055 χ^2/NDF:3389023.6/38

All: 360.175+/-0.039 χ^2/NDF: 6777640.7/73

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -196.264+/-86.939 χ^2/NDF:22.2/19

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -154.777+/-87.498 χ^2/NDF:33.6/18

Left: -175.653+/-61.672 χ^2/NDF: 55.9/38

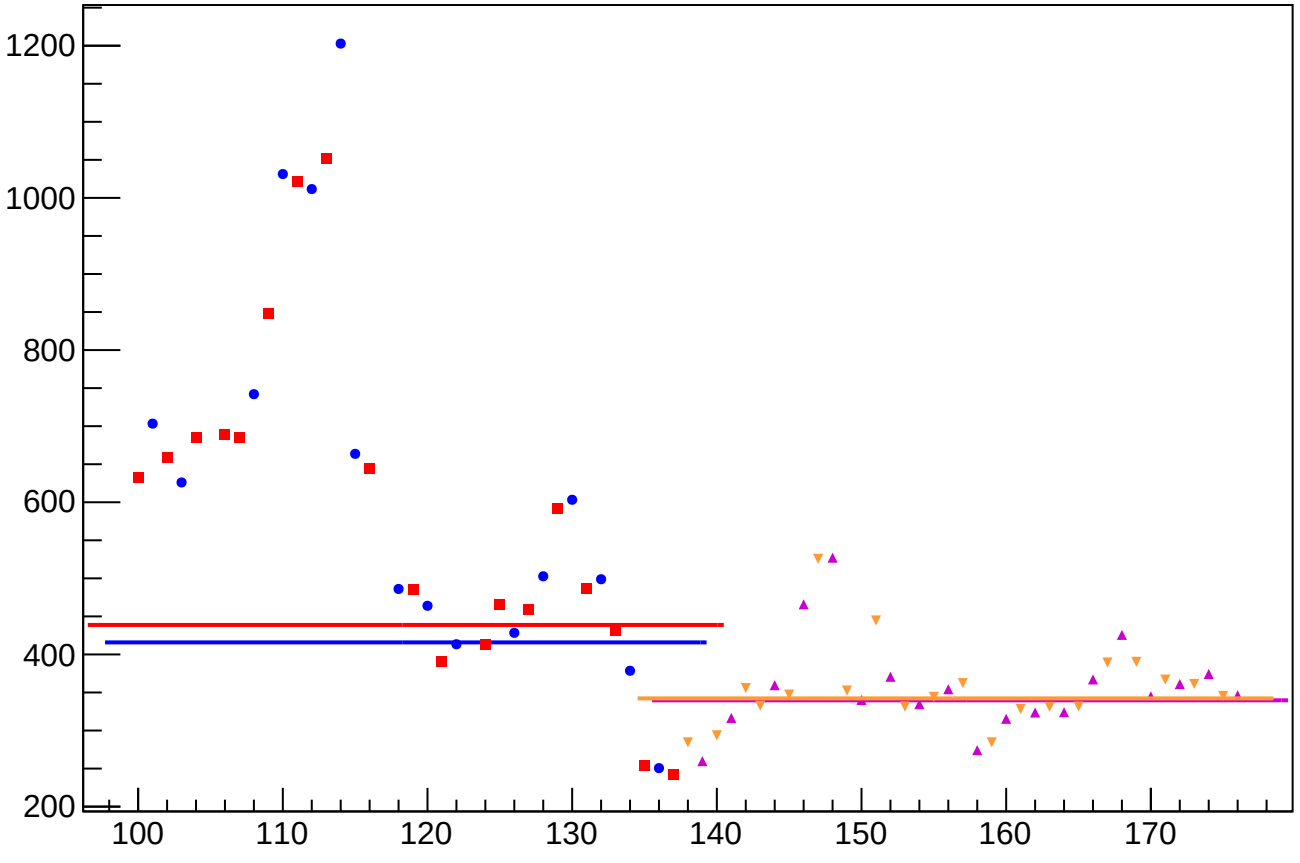
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -71.751+/-77.623 χ^2/NDF:48.5/34

Out: -116.043+/-77.835 χ^2/NDF:46.8/38

All: -93.837+/-54.963 χ^2/NDF: 95.5/73

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.238+/-0.061 χ^2/NDF:539984.8/19

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.717+/-0.062 χ^2/NDF:737641.5/18

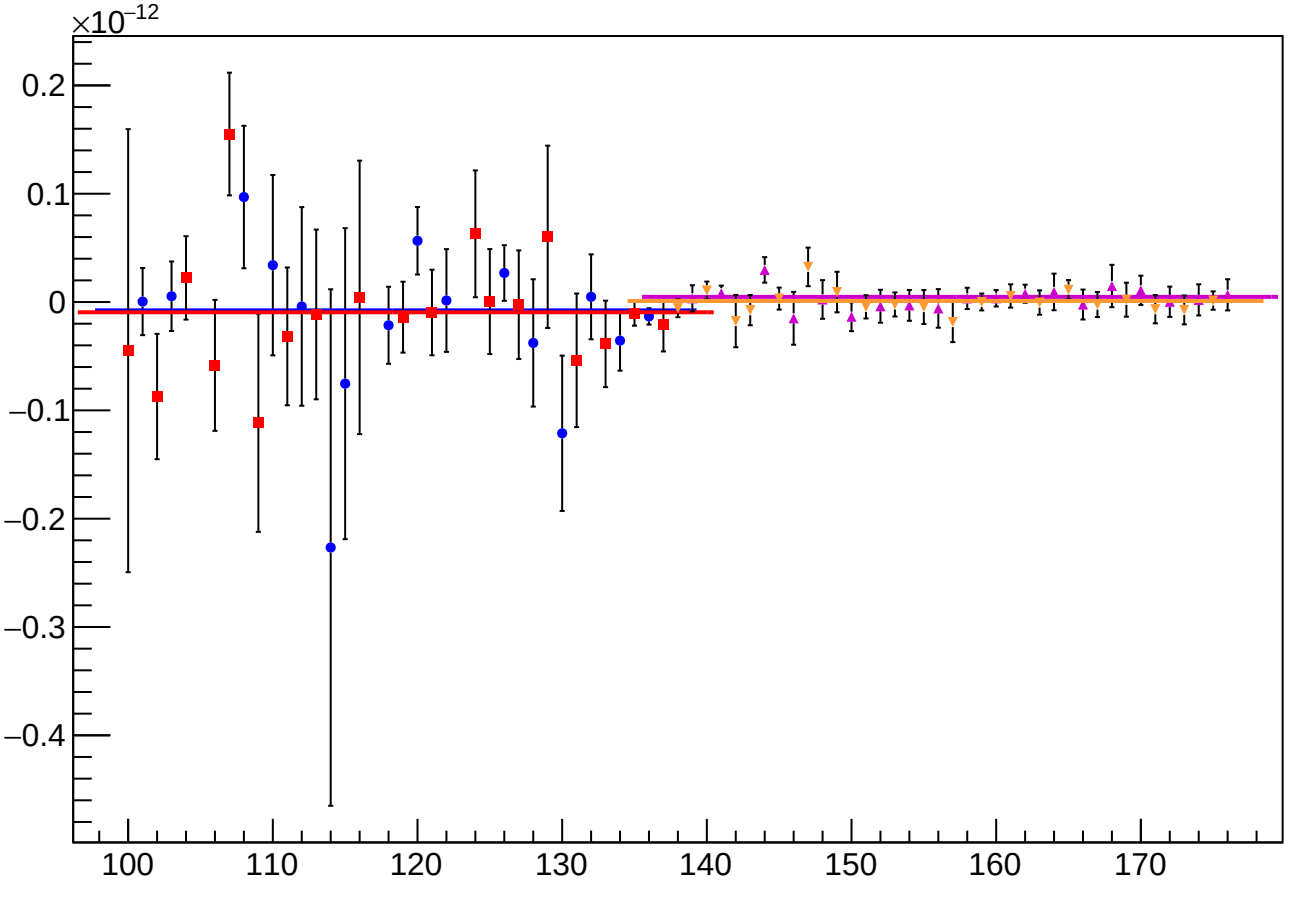
Left: 340.986+/-0.044 χ^2/NDF: 1278462.0/38

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.929+/-0.055 χ^2/NDF:3283994.5/34

Out: 361.397+/-0.055 χ^2/NDF:3264151.1/38

All: 358.656+/-0.039 χ^2/NDF: 6553094.1/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/18

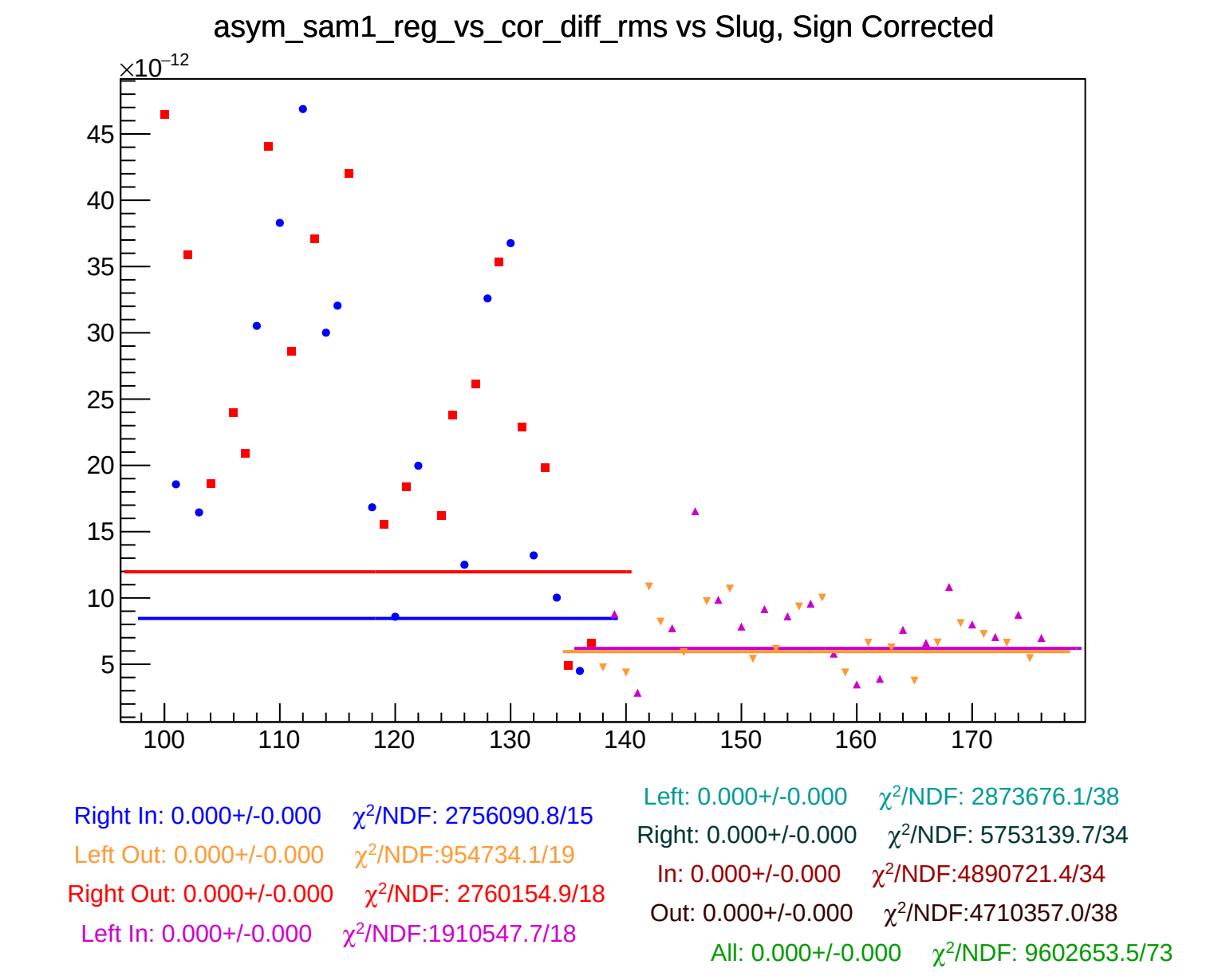
Left: 0.000+/-0.000 χ^2/NDF: 20.7/38

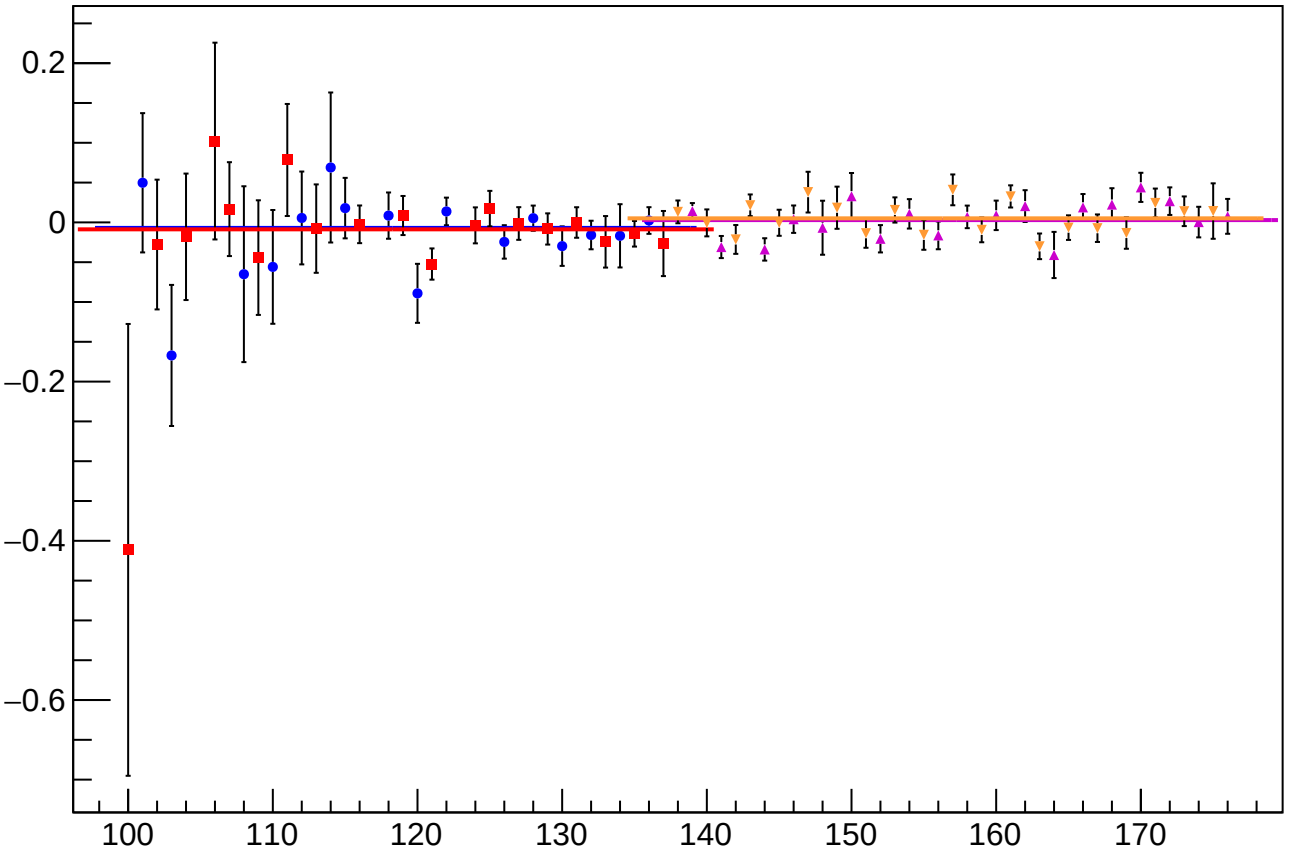
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.6/34

Out: 0.000+/-0.000 χ^2/NDF:28.1/38

All: 0.000+/-0.000 χ^2/NDF: 56.2/73


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:954734.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1910547.7/18
Left: 0.000+/-0.000 χ²/NDF: 2873676.1/38
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4890721.4/34
Out: 0.000+/-0.000 χ²/NDF:4710357.0/38
All: 0.000+/-0.000 χ²/NDF: 9602653.5/73



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

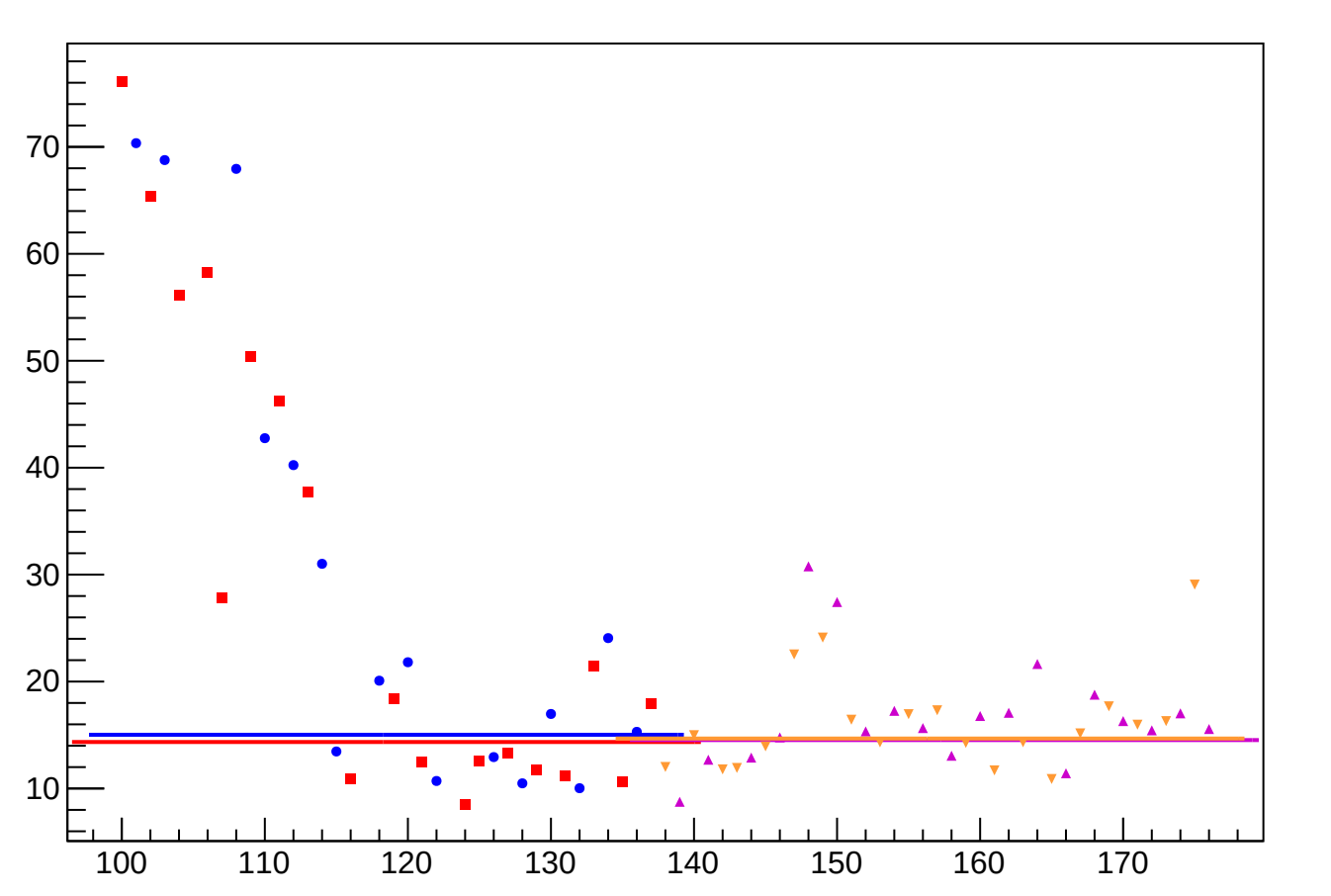
Left: 0.004+/-0.003 χ^2/NDF: 55.8/38

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.3/73



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

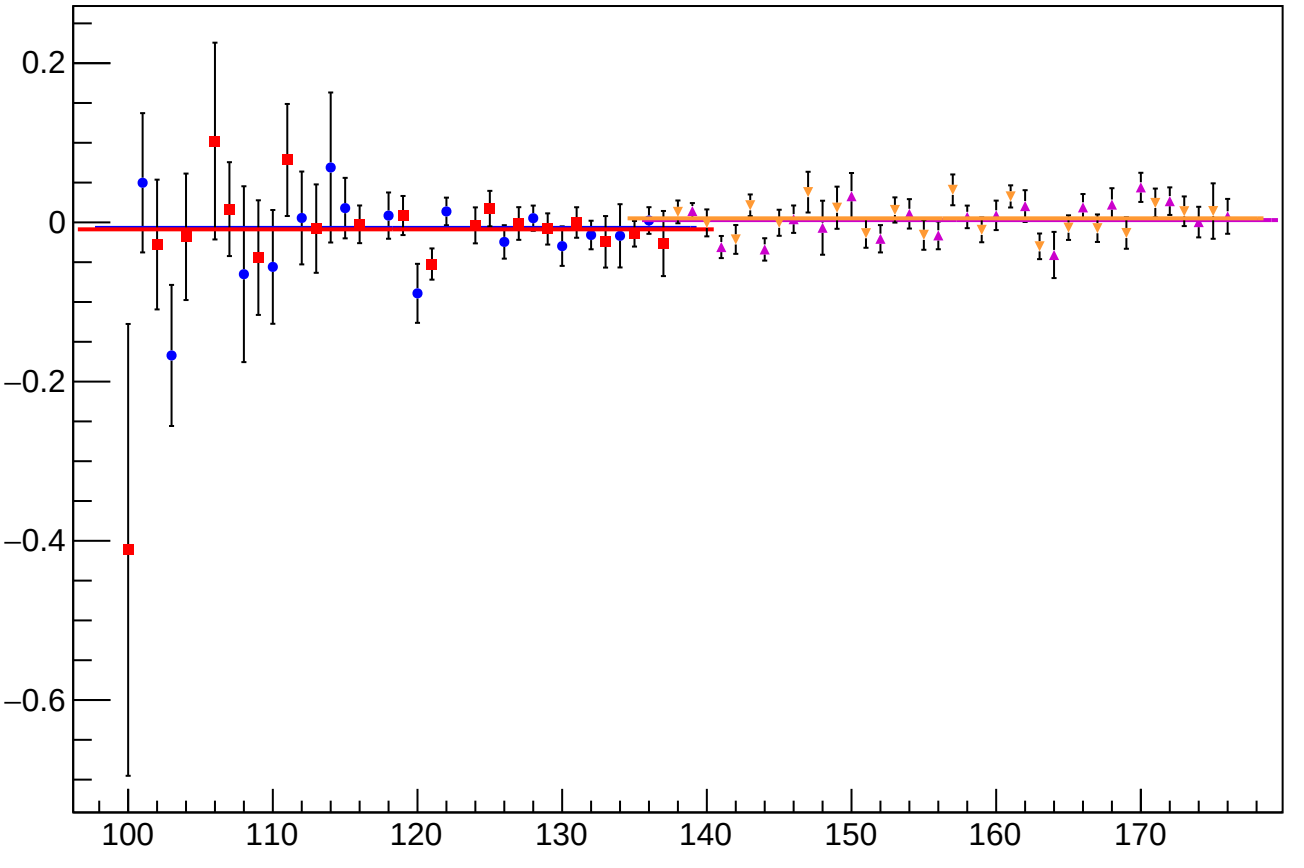
Left: 14.602+/-0.002 χ^2/NDF: 3418064.6/38

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.656+/-0.002 χ^2/NDF:5498578.6/34

Out: 14.586+/-0.002 χ^2/NDF:4997283.6/38

All: 14.620+/-0.002 χ^2/NDF: 10496301.3/73



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

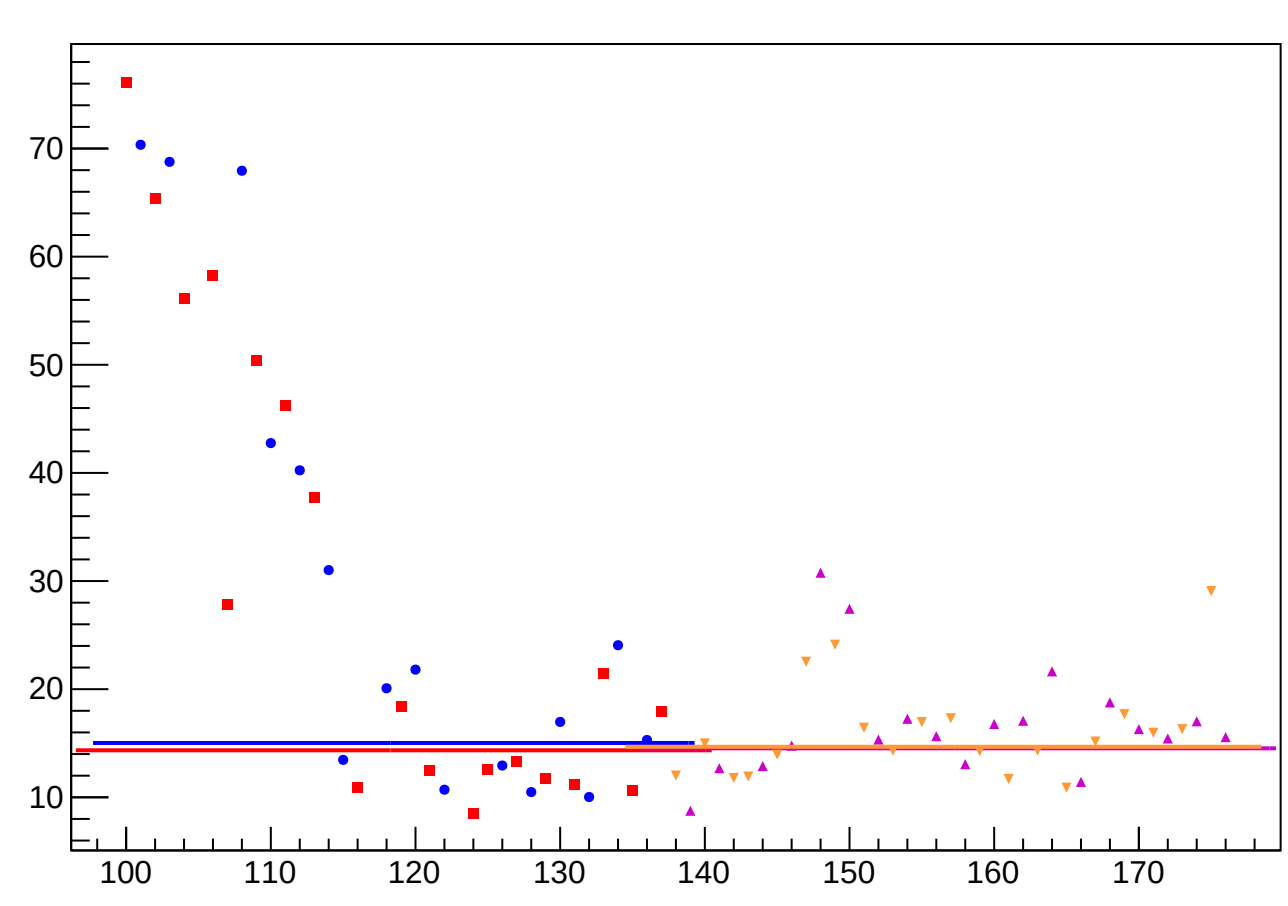
Left: 0.004+/-0.003 χ^2/NDF: 55.8/38

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.3/73



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364475.7/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

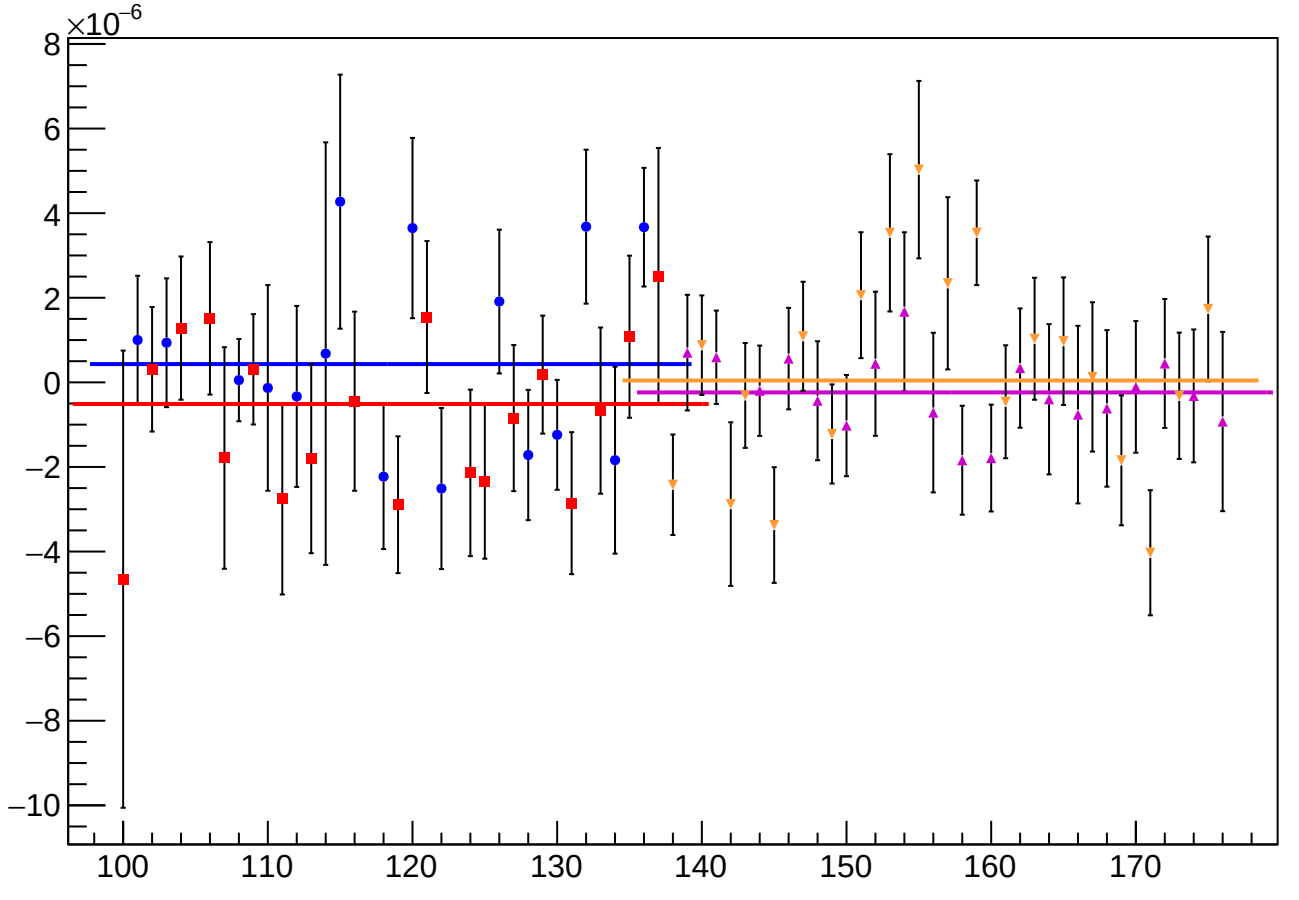
Left: 14.602+/-0.002 χ^2/NDF: 3418064.6/38

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.656+/-0.002 χ^2/NDF:5498578.6/34

Out: 14.586+/-0.002 χ^2/NDF:4997283.6/38

All: 14.620+/-0.002 χ^2/NDF: 10496301.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/18

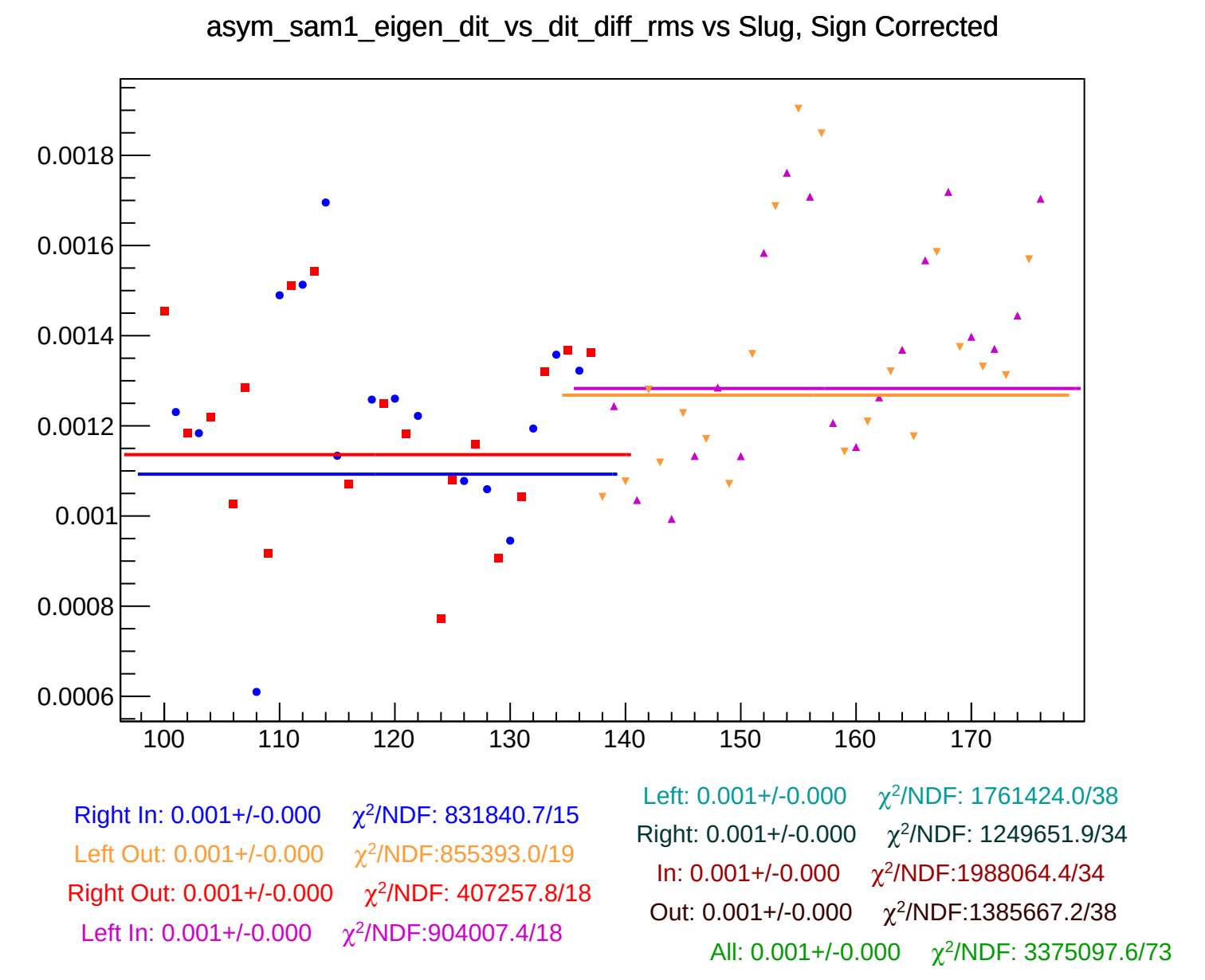
Left: -0.000+/-0.000 χ^2/NDF: 53.8/38

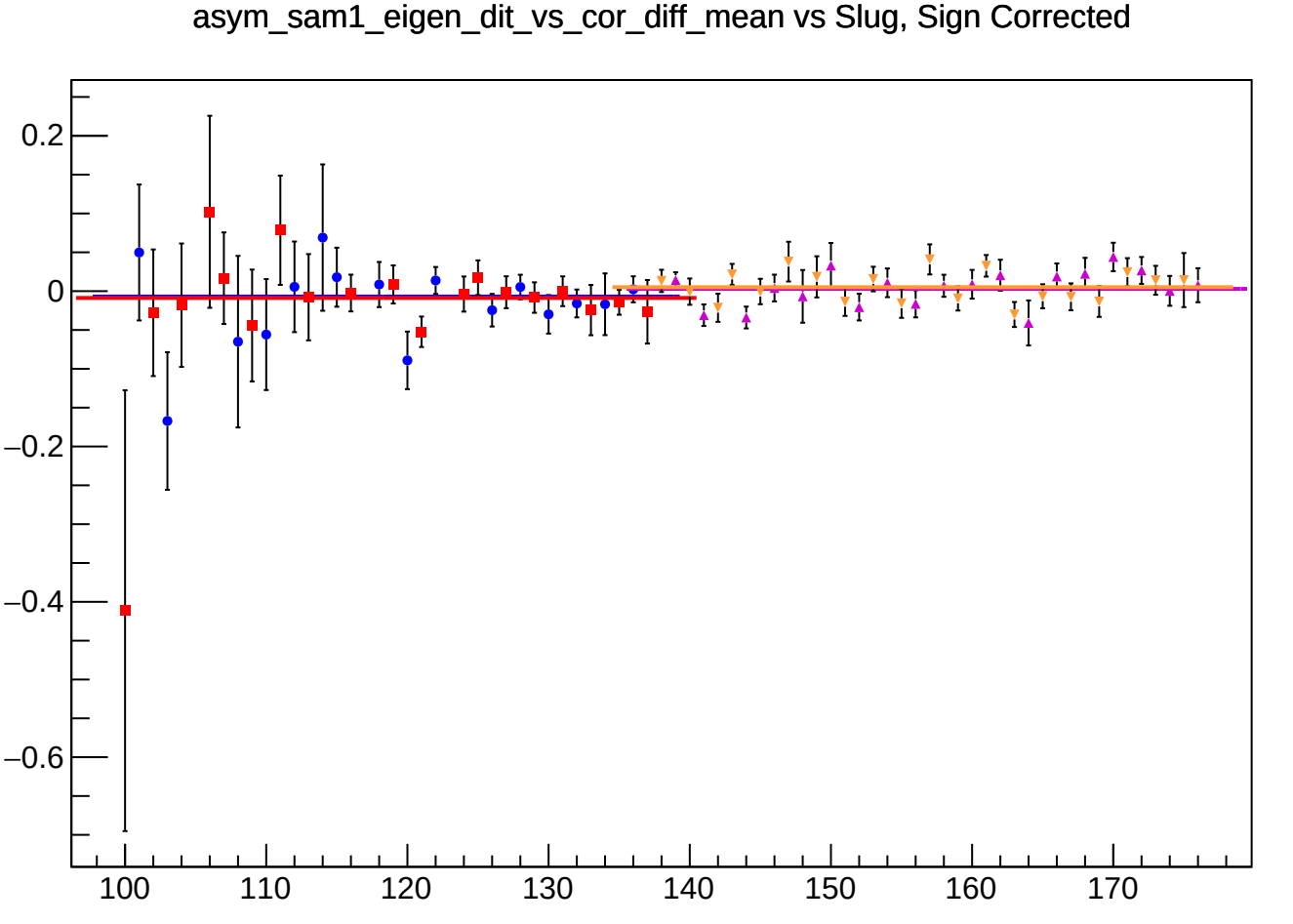
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.6/34

Out: -0.000+/-0.000 χ^2/NDF:62.0/38

All: -0.000+/-0.000 χ^2/NDF: 93.9/73


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:855393.0/19
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:904007.4/18
Left: 0.001+/-0.000 χ²/NDF: 1761424.0/38
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1988064.4/34
Out: 0.001+/-0.000 χ²/NDF:1385667.2/38
All: 0.001+/-0.000 χ²/NDF: 3375097.6/73



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

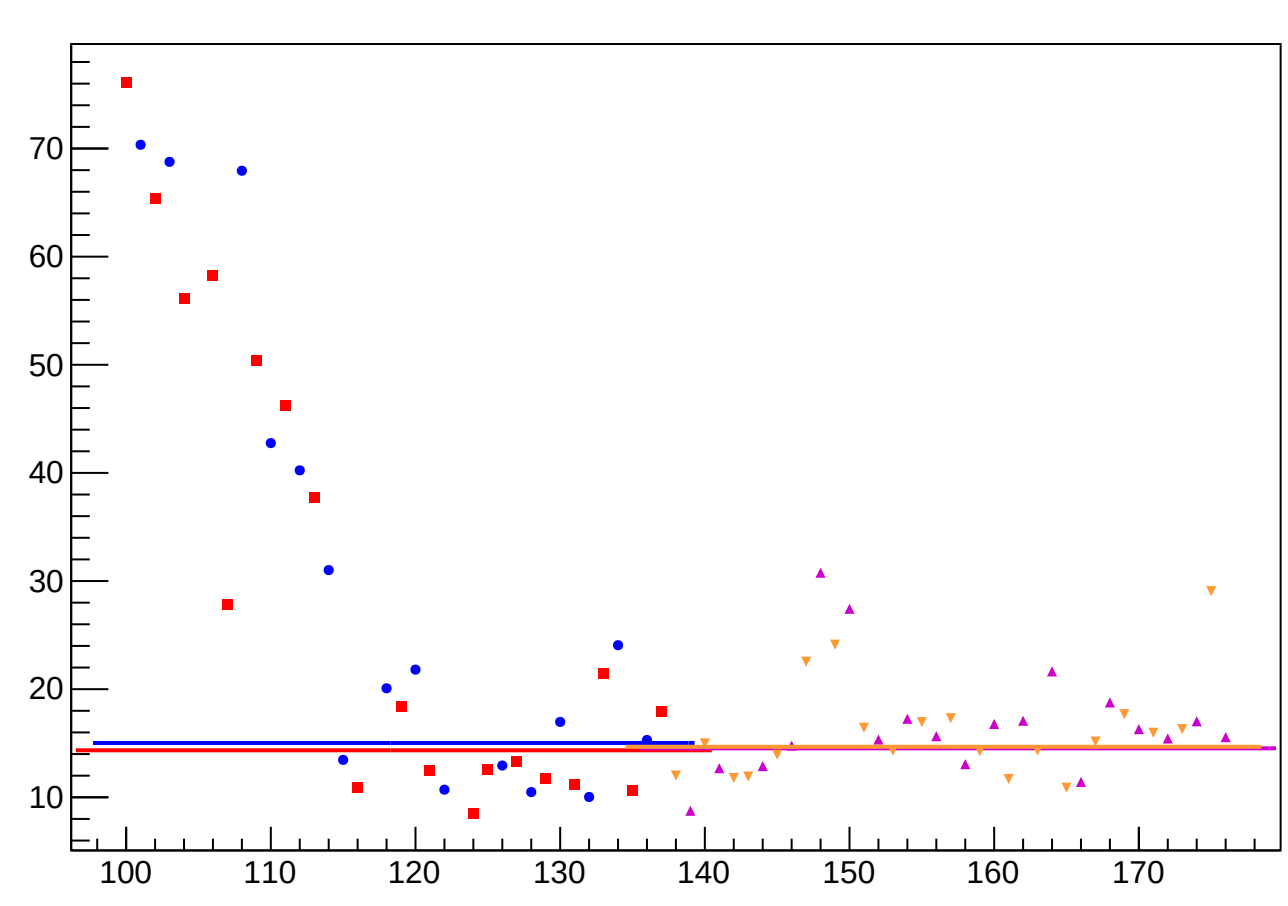
Left: 0.004+/-0.003 χ^2/NDF: 55.8/38

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.3/73



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

Left: 14.602+/-0.002 χ^2/NDF: 3418188.5/38

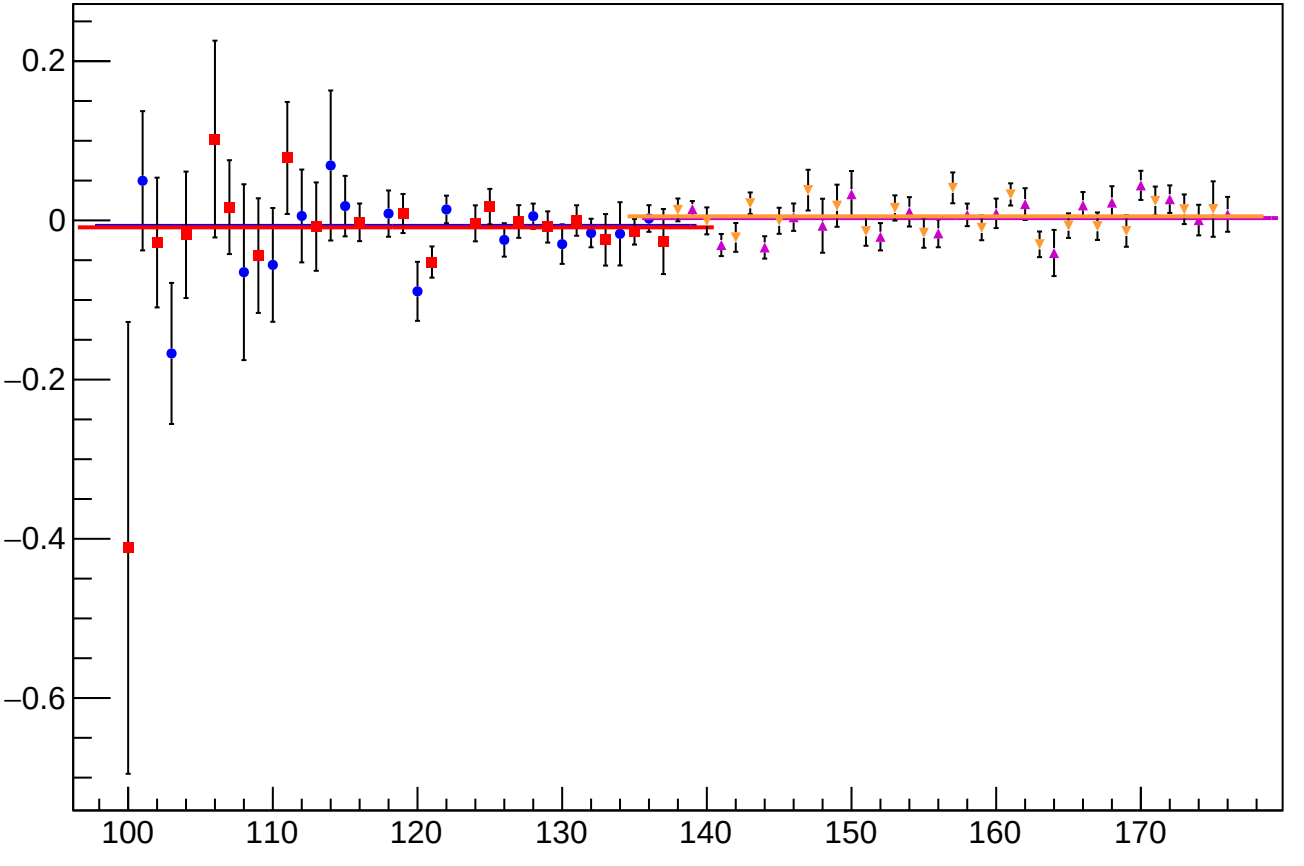
Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.656+/-0.002 χ^2/NDF:5498651.6/34

Out: 14.585+/-0.002 χ^2/NDF:4997340.7/38

All: 14.620+/-0.002 χ^2/NDF: 10496430.9/73

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.1/19

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

Left: 0.004+/-0.003 χ^2/NDF: 55.8/38

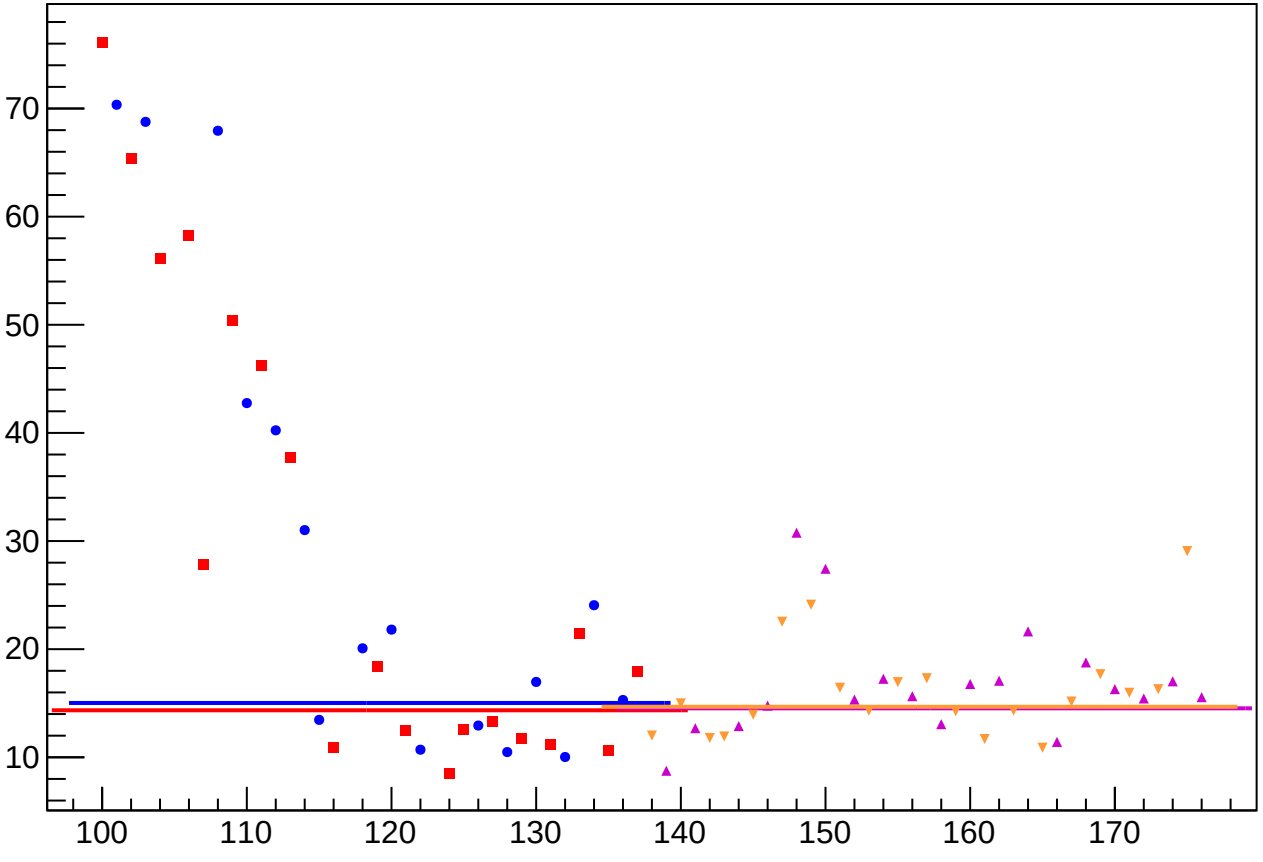
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.001+/-0.003 χ^2/NDF:41.2/38

All: 0.001+/-0.002 χ^2/NDF: 88.3/73

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: 14.674+/-0.003 χ^2/NDF:1364542.9/19

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

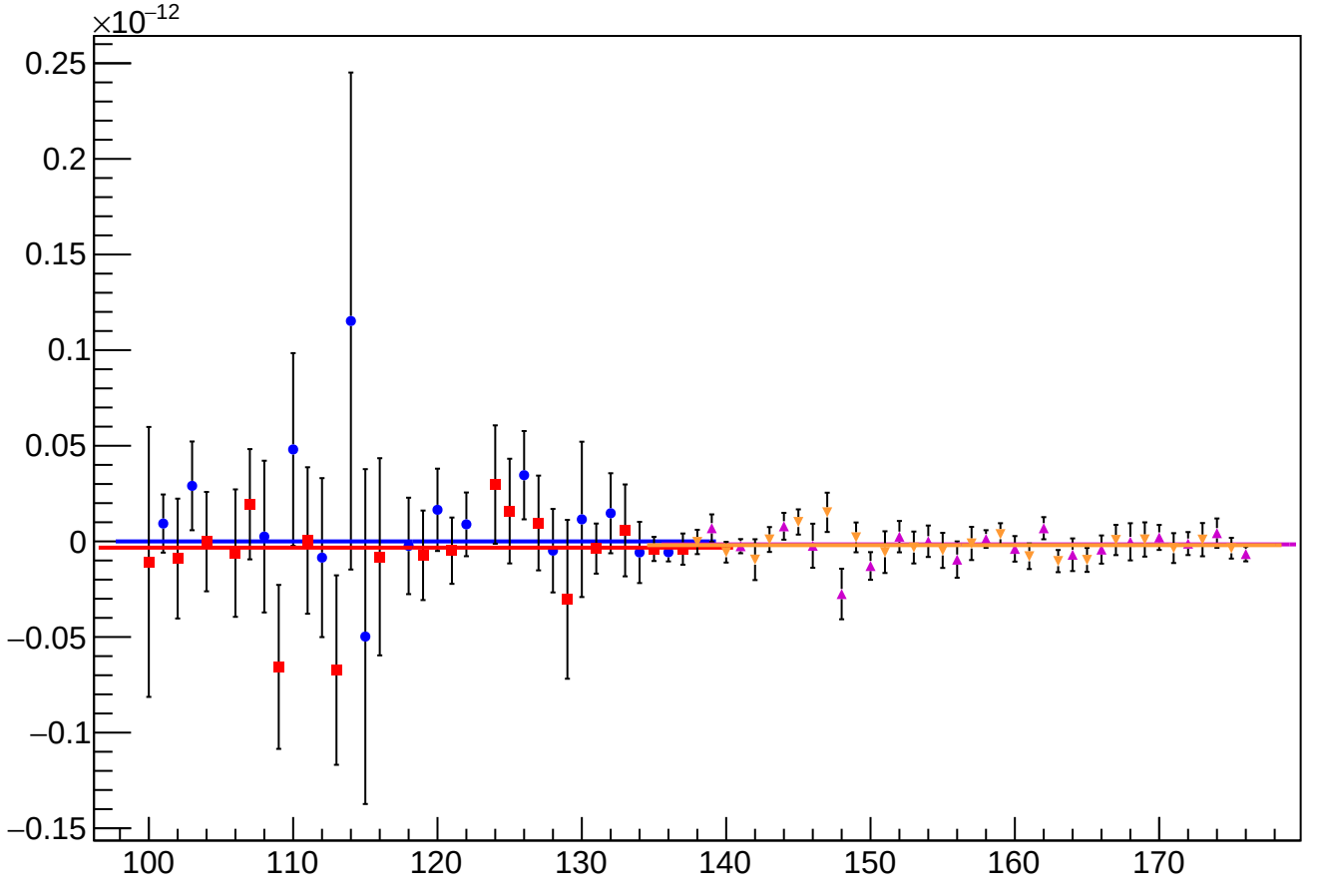
Left: 14.602+/-0.002 χ^2/NDF: 3418188.5/38

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.656+/-0.002 χ^2/NDF:5498651.6/34

Out: 14.585+/-0.002 χ^2/NDF:4997340.7/38

All: 14.620+/-0.002 χ^2/NDF: 10496430.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

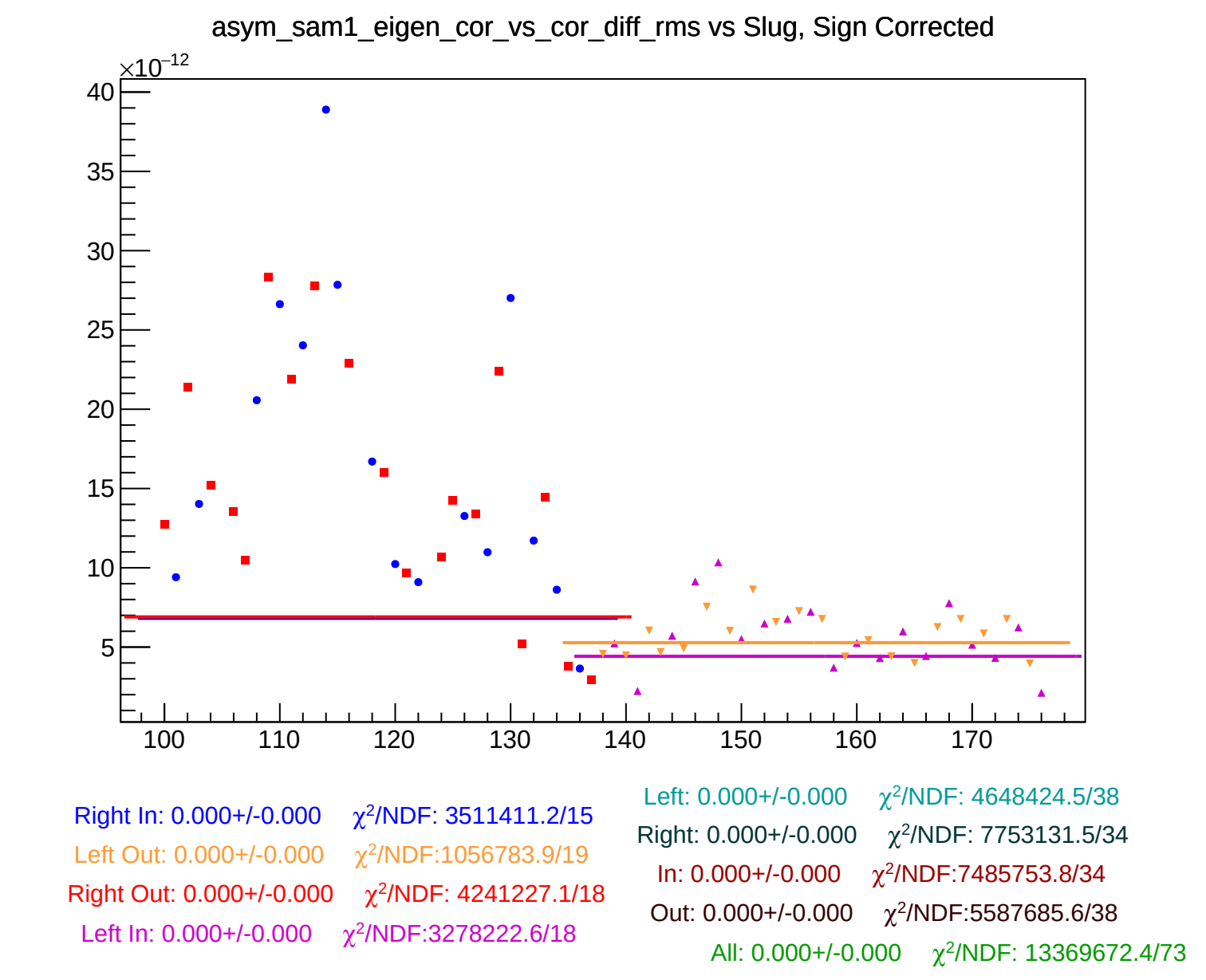
Left: -0.000+/-0.000 χ^2/NDF: 30.1/38

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

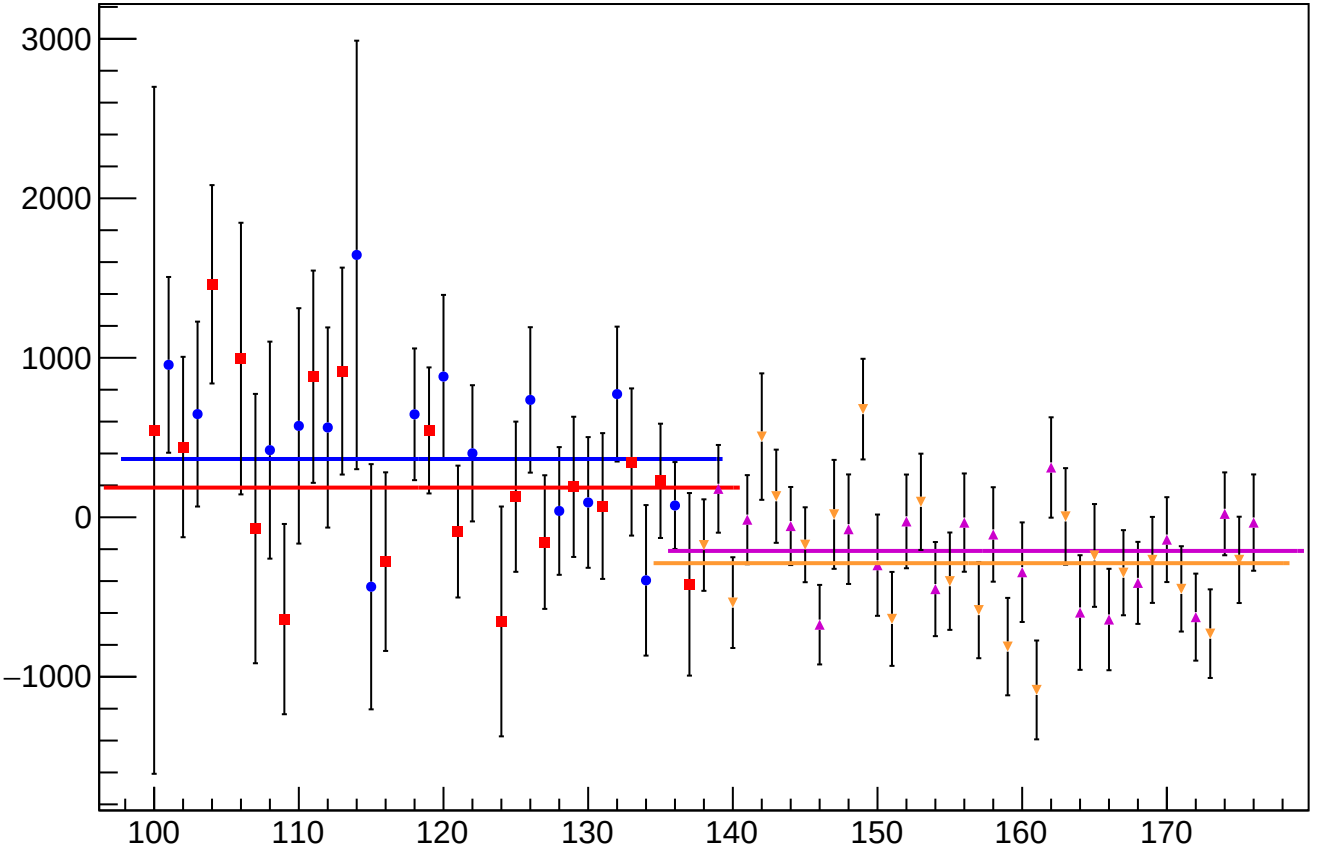
In: -0.000+/-0.000 χ^2/NDF:25.8/34

Out: -0.000+/-0.000 χ^2/NDF:20.8/38

All: -0.000+/-0.000 χ^2/NDF: 46.7/73


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1056783.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3278222.6/18
Left: 0.000+/-0.000 χ²/NDF: 4648424.5/38
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7485753.8/34
Out: 0.000+/-0.000 χ²/NDF:5587685.6/38
All: 0.000+/-0.000 χ²/NDF: 13369672.4/73

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.705+/-65.429 χ^2/NDF:34.9/19

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -210.907+/-66.135 χ^2/NDF:18.2/18

Left: -249.719+/-46.513 χ^2/NDF: 53.8/38

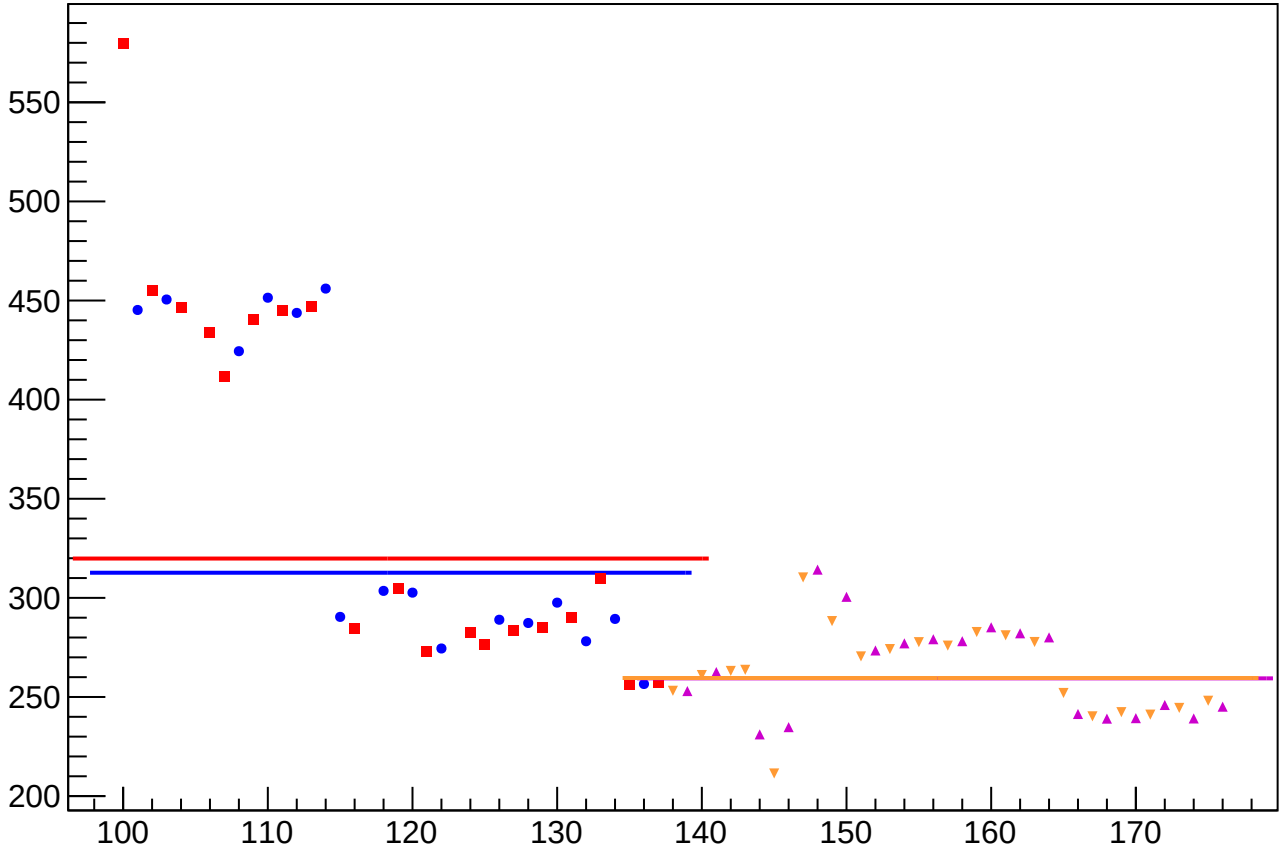
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -74.656+/-57.793 χ^2/NDF:47.6/34

Out: -179.380+/-57.465 χ^2/NDF:61.9/38

All: -127.316+/-40.749 χ^2/NDF: 111.2/73

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

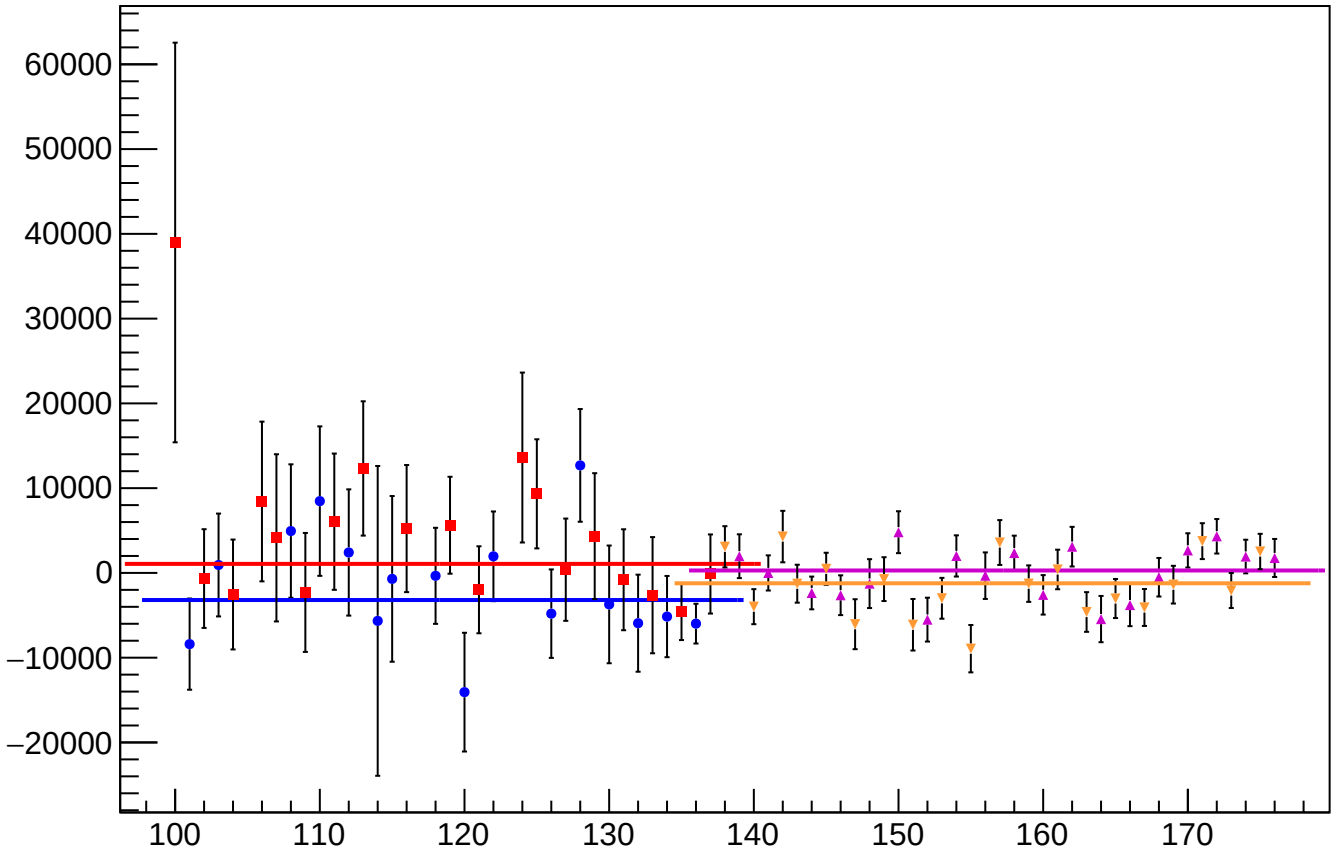
Left: 259.486+/-0.033 χ^2/NDF: 476306.7/38

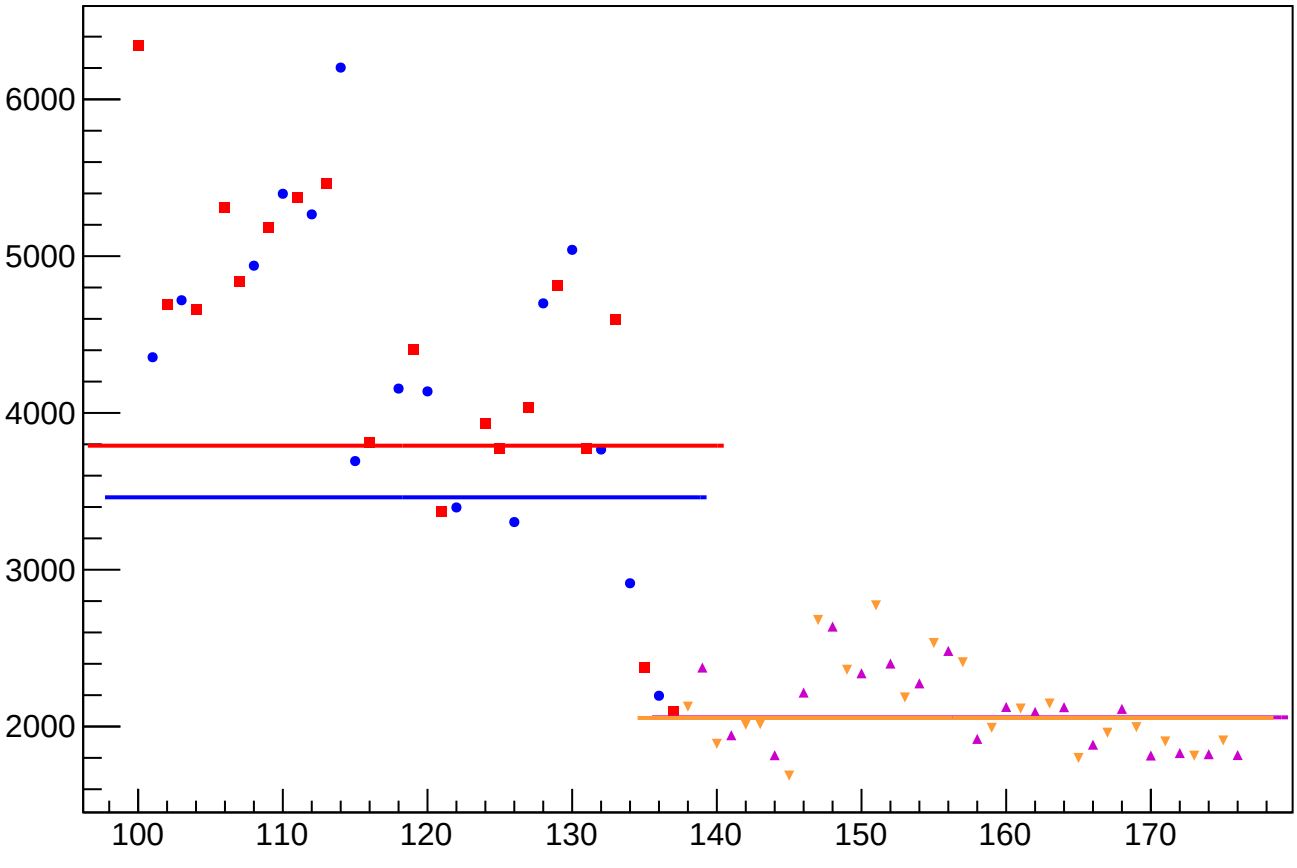
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 271.989+/-0.041 χ^2/NDF:1151538.8/34

Out: 273.354+/-0.041 χ^2/NDF:1319644.6/38

All: 272.675+/-0.029 χ^2/NDF: 2471743.9/73


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: -1222.962+/-521.486 χ²/NDF:39.6/19
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: 287.827+/-526.954 χ²/NDF:30.7/18
Left: -475.448+/-370.664 χ²/NDF: 74.5/38
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -170.906+/-491.066 χ²/NDF:52.5/34
Out: -958.663+/-490.454 χ²/NDF:56.3/38
All: -565.276+/-347.020 χ²/NDF: 110.1/73



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2054.595+/-0.369 χ^2/NDF:503640.9/19

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2058.485+/-0.373 χ^2/NDF:410123.8/18

Left: 2056.520+/-0.262 χ^2/NDF: 913819.8/38

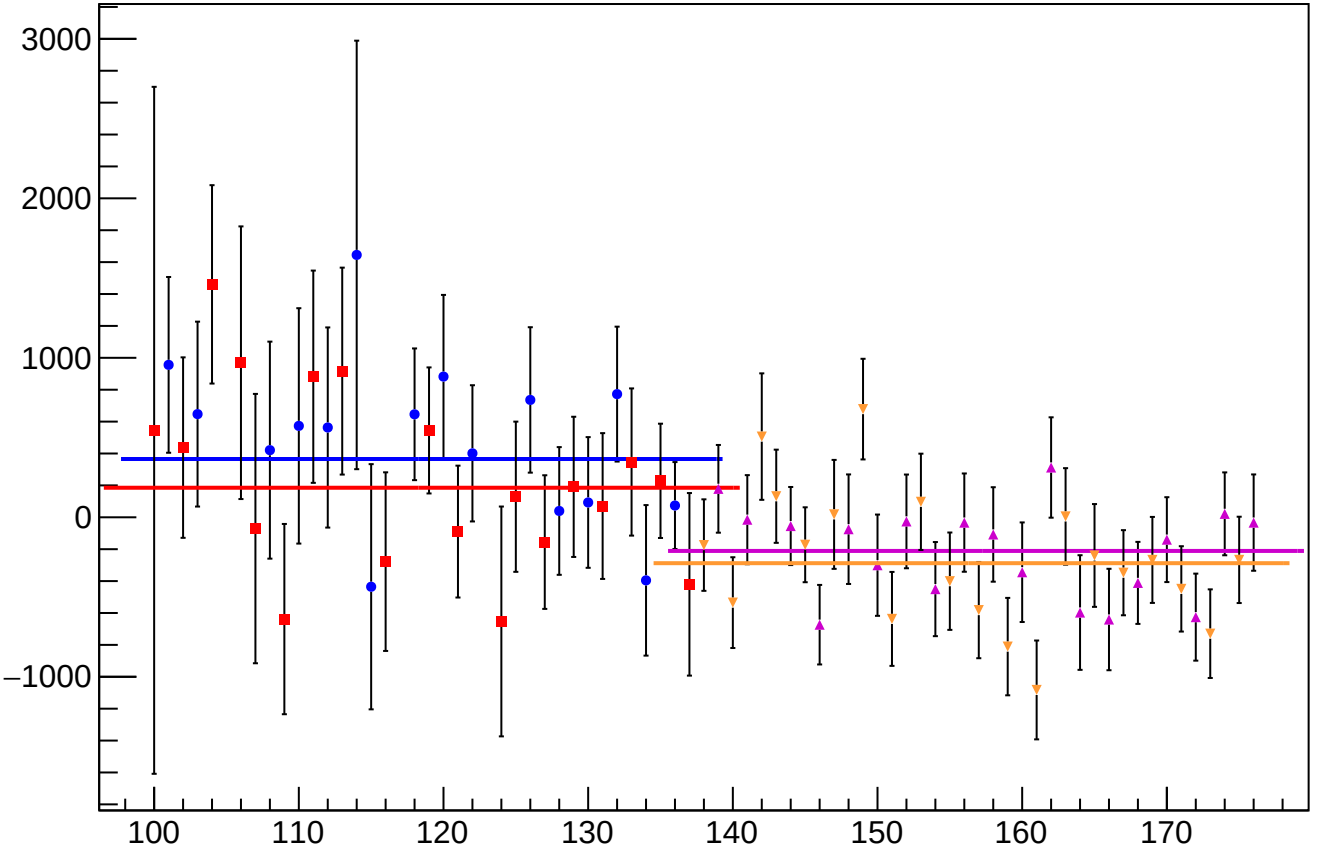
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2243.138+/-0.347 χ^2/NDF:3586236.7/34

Out: 2255.122+/-0.347 χ^2/NDF:4220453.9/38

All: 2249.137+/-0.245 χ^2/NDF: 7807286.9/73

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -210.913+/-66.135 χ^2/NDF:18.2/18

Left: -249.720+/-46.513 χ^2/NDF: 53.8/38

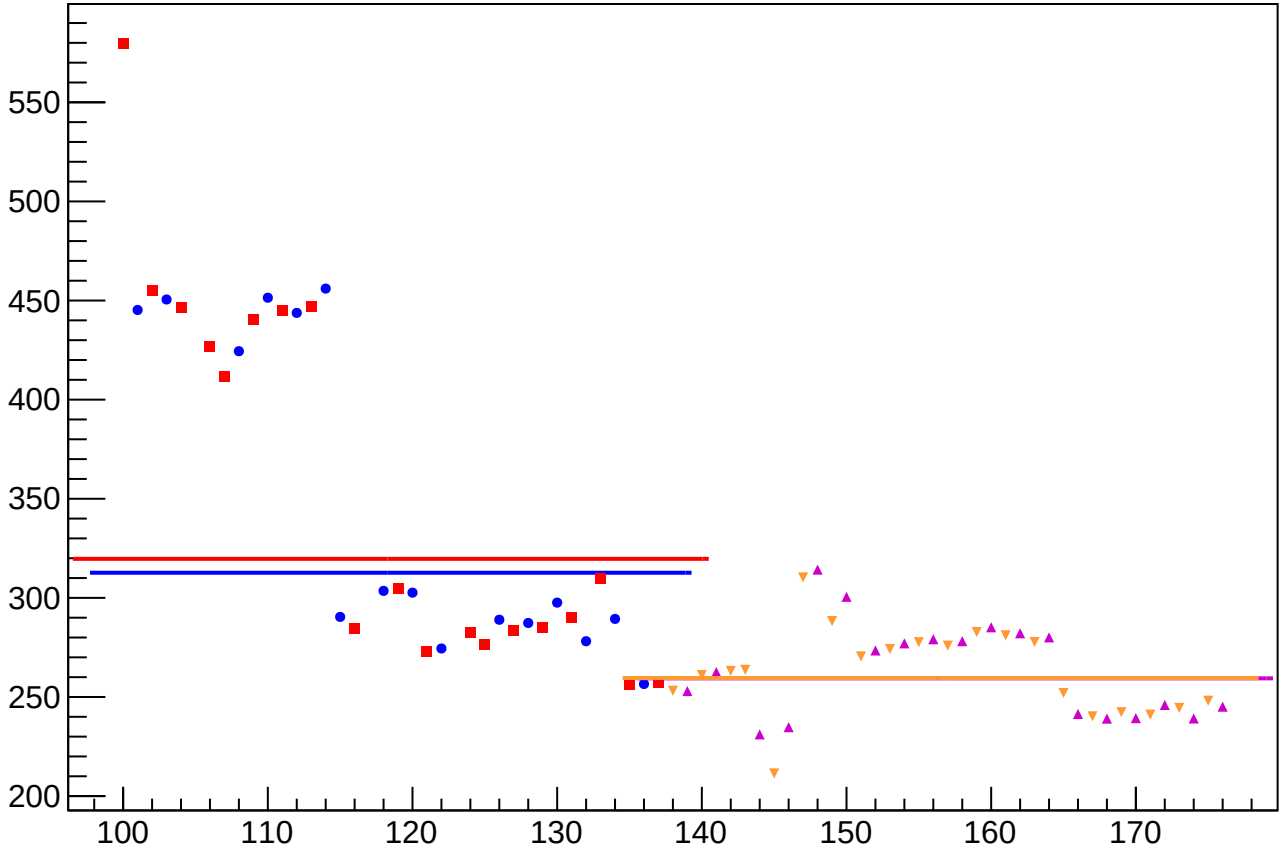
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -74.665+/-57.793 χ^2/NDF:47.6/34

Out: -179.579+/-57.467 χ^2/NDF:61.8/38

All: -127.419+/-40.750 χ^2/NDF: 111.1/73

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

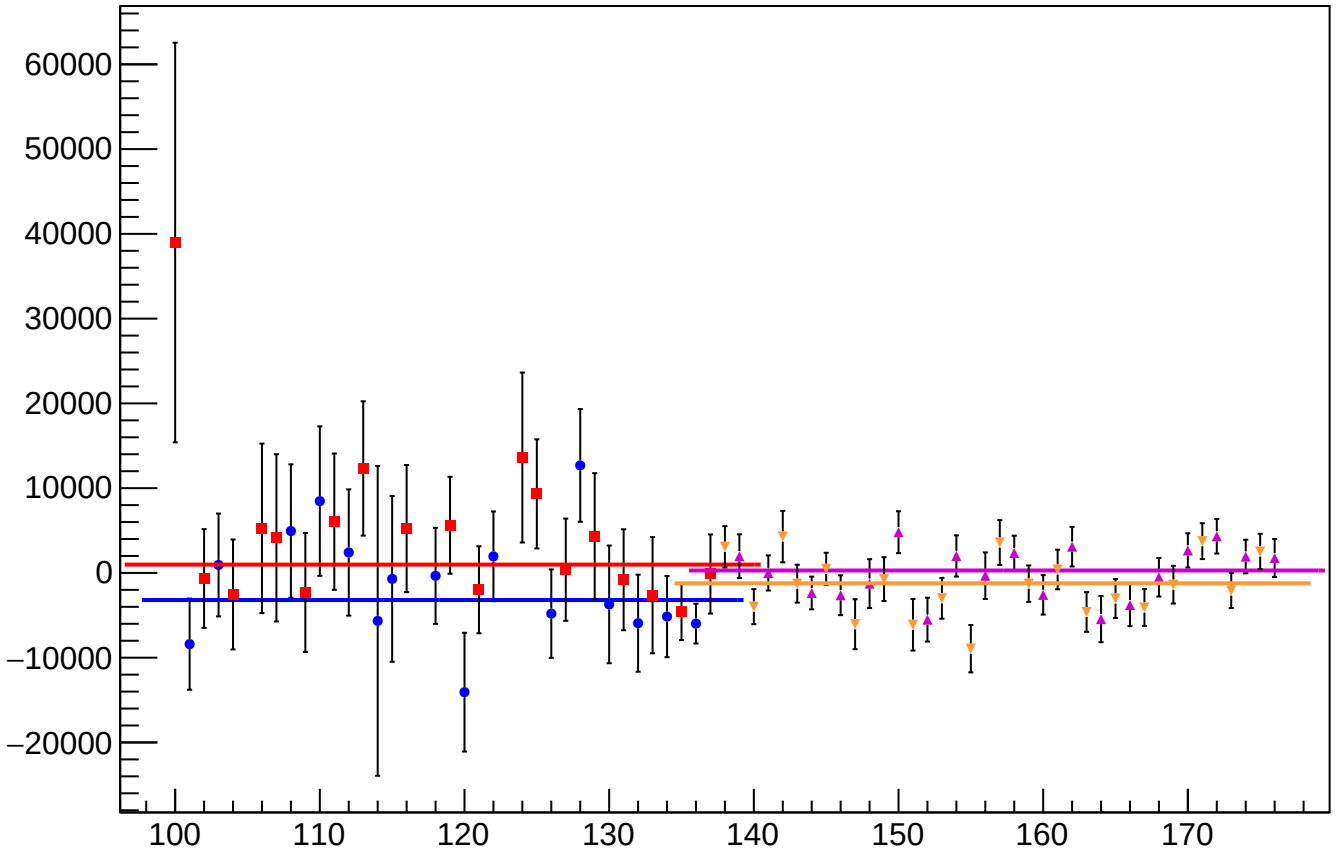
Left: 259.486+/-0.033 χ^2/NDF: 476306.7/38

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.989+/-0.041 χ^2/NDF:1151540.4/34

Out: 273.318+/-0.041 χ^2/NDF:1313520.8/38

All: 272.657+/-0.029 χ^2/NDF: 2465592.6/73



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 287.828+/-526.954 χ^2/NDF:30.7/18

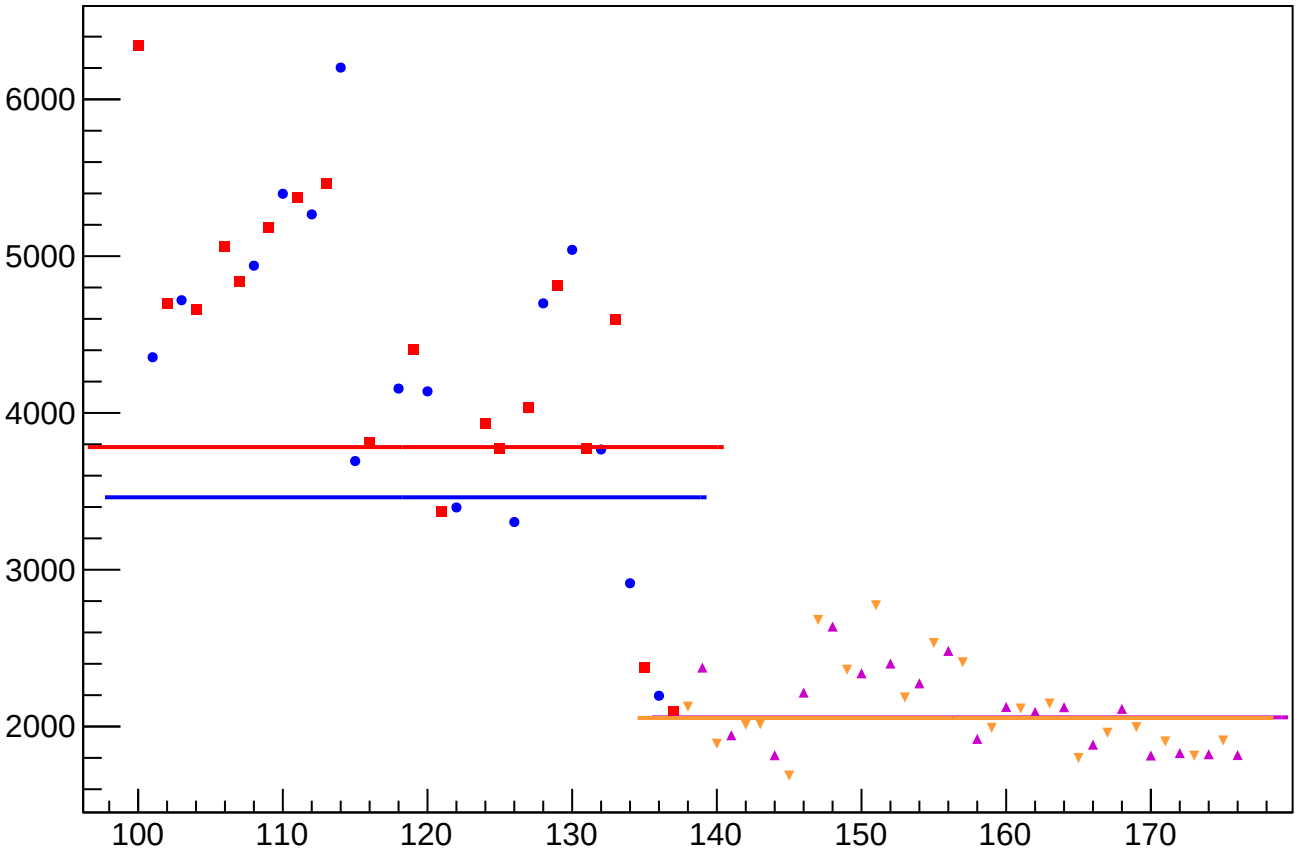
Left: -475.444+/-370.664 χ^2/NDF: 74.5/38

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -170.895+/-491.066 χ^2/NDF:52.5/34

Out: -969.077+/-490.530 χ^2/NDF:55.6/38

All: -570.422+/-347.047 χ^2/NDF: 109.5/73



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

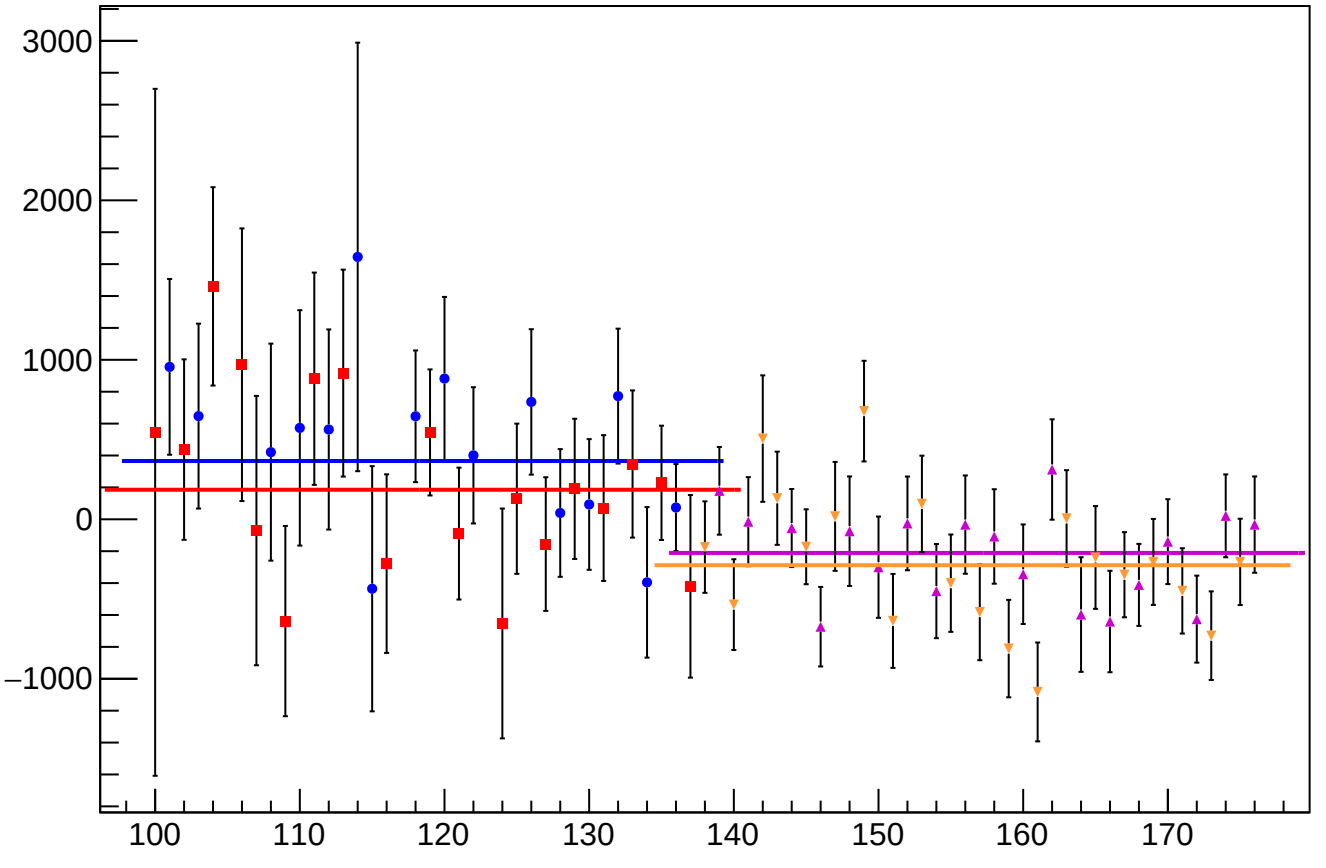
Left: 2056.520+/-0.262 χ^2/NDF: 913823.7/38

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2243.138+/-0.347 χ^2/NDF:3586260.9/34

Out: 2253.606+/-0.347 χ^2/NDF:4168460.7/38

All: 2248.378+/-0.245 χ^2/NDF: 7755176.5/73



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -287.702+/-65.429 χ^2/NDF:34.9/19

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -210.913+/-66.135 χ^2/NDF:18.2/18

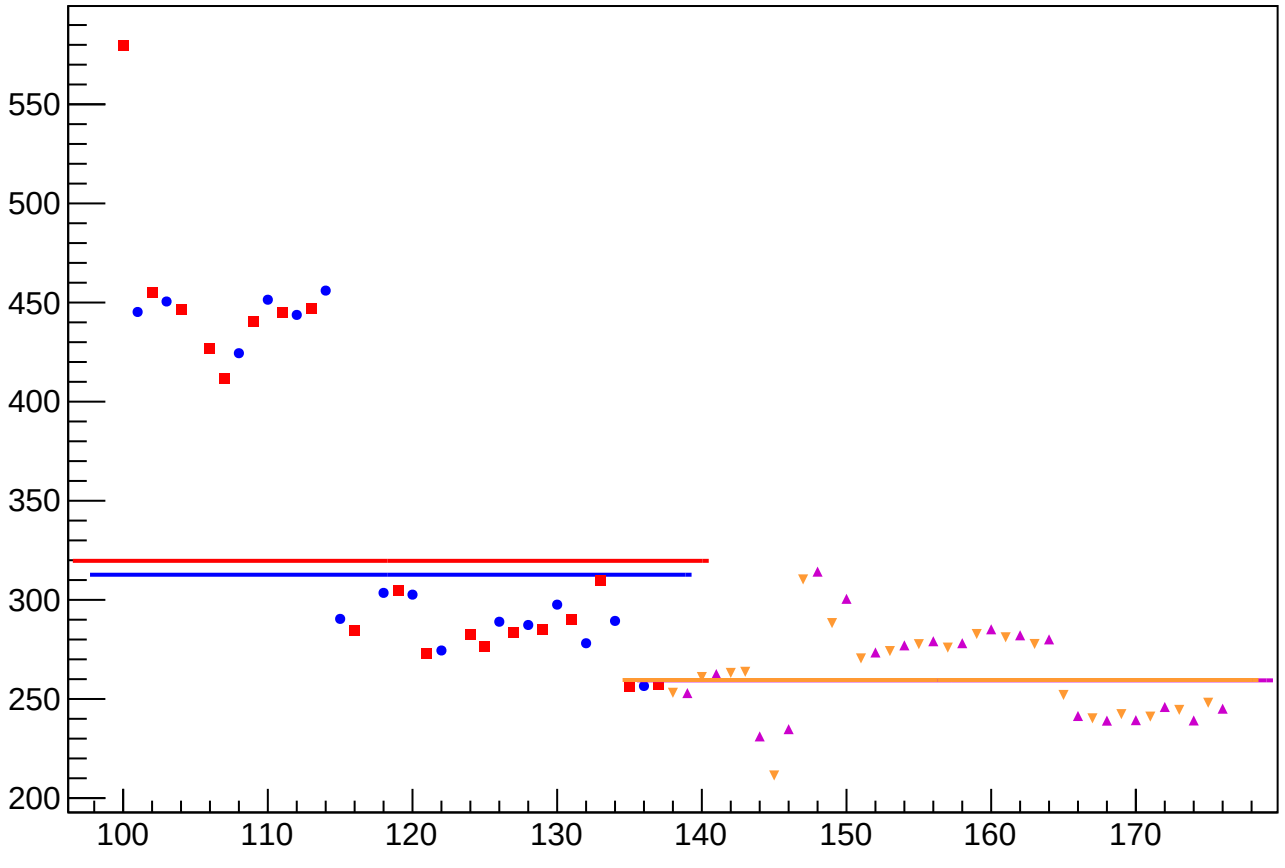
Left: -249.720+/-46.513 χ^2/NDF: 53.8/38

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -74.665+/-57.793 χ^2/NDF:47.6/34

Out: -179.579+/-57.467 χ^2/NDF:61.8/38

All: -127.419+/-40.750 χ^2/NDF: 111.1/73



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.577+/-0.046 χ^2/NDF:233887.7/19

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

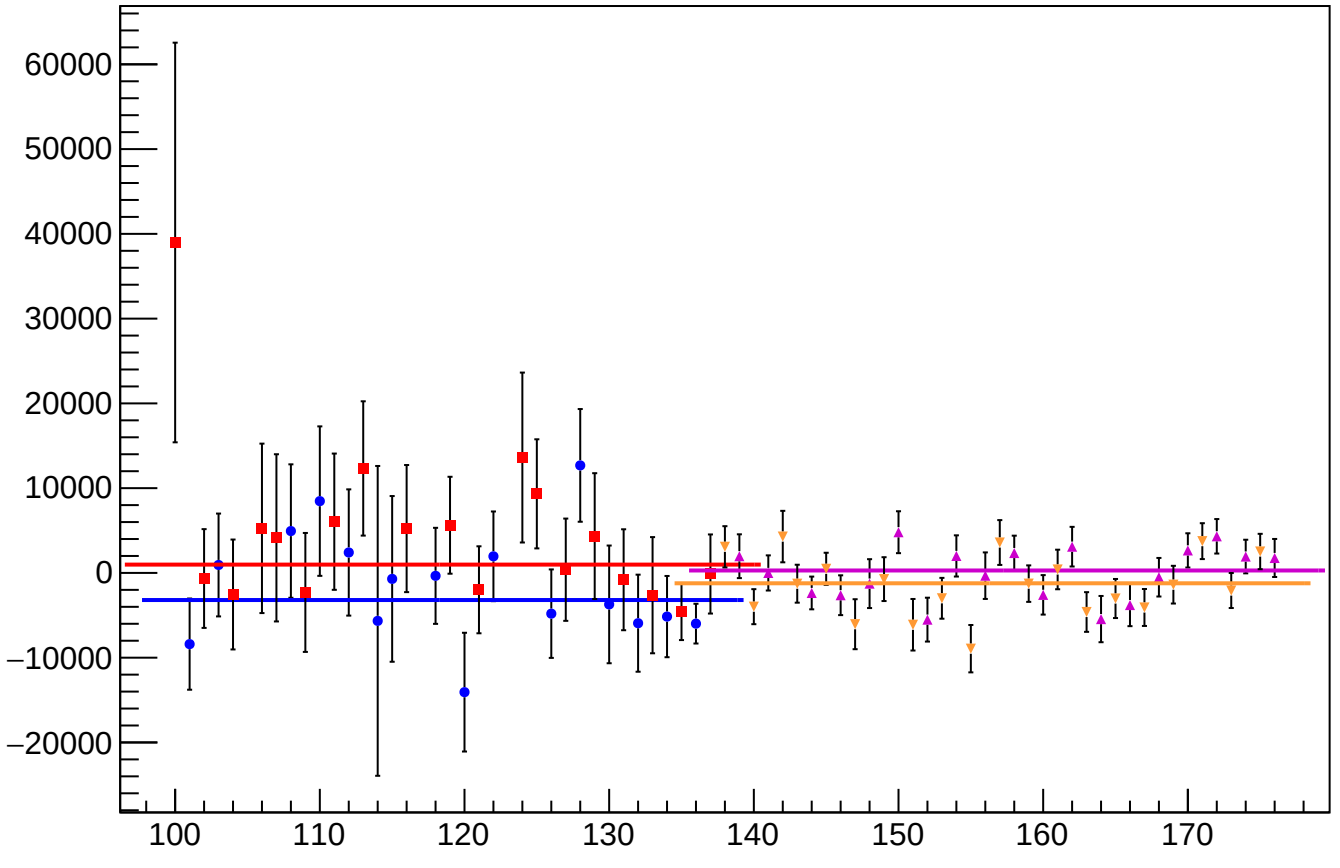
Left: 259.486+/-0.033 χ^2/NDF: 476306.7/38

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.989+/-0.041 χ^2/NDF:1151540.4/34

Out: 273.318+/-0.041 χ^2/NDF:1313520.8/38

All: 272.657+/-0.029 χ^2/NDF: 2465592.6/73



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1222.957+/-521.486 χ^2/NDF:39.6/19

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 287.828+/-526.954 χ^2/NDF:30.7/18

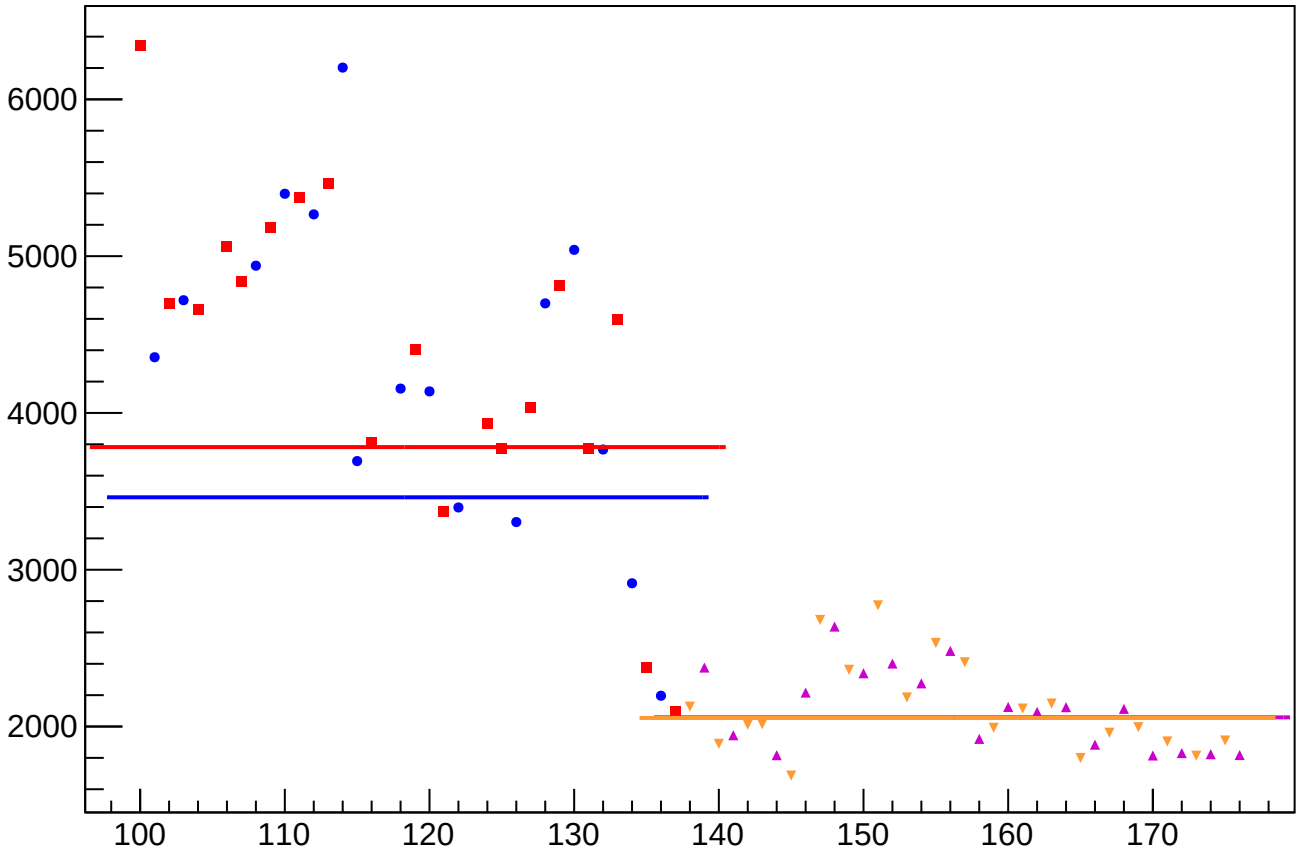
Left: -475.444+/-370.664 χ^2/NDF: 74.5/38

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -170.895+/-491.066 χ^2/NDF:52.5/34

Out: -969.077+/-490.530 χ^2/NDF:55.6/38

All: -570.422+/-347.047 χ^2/NDF: 109.5/73



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2054.596+/-0.369 χ^2/NDF:503641.4/19

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

Left: 2056.520+/-0.262 χ^2/NDF: 913823.7/38

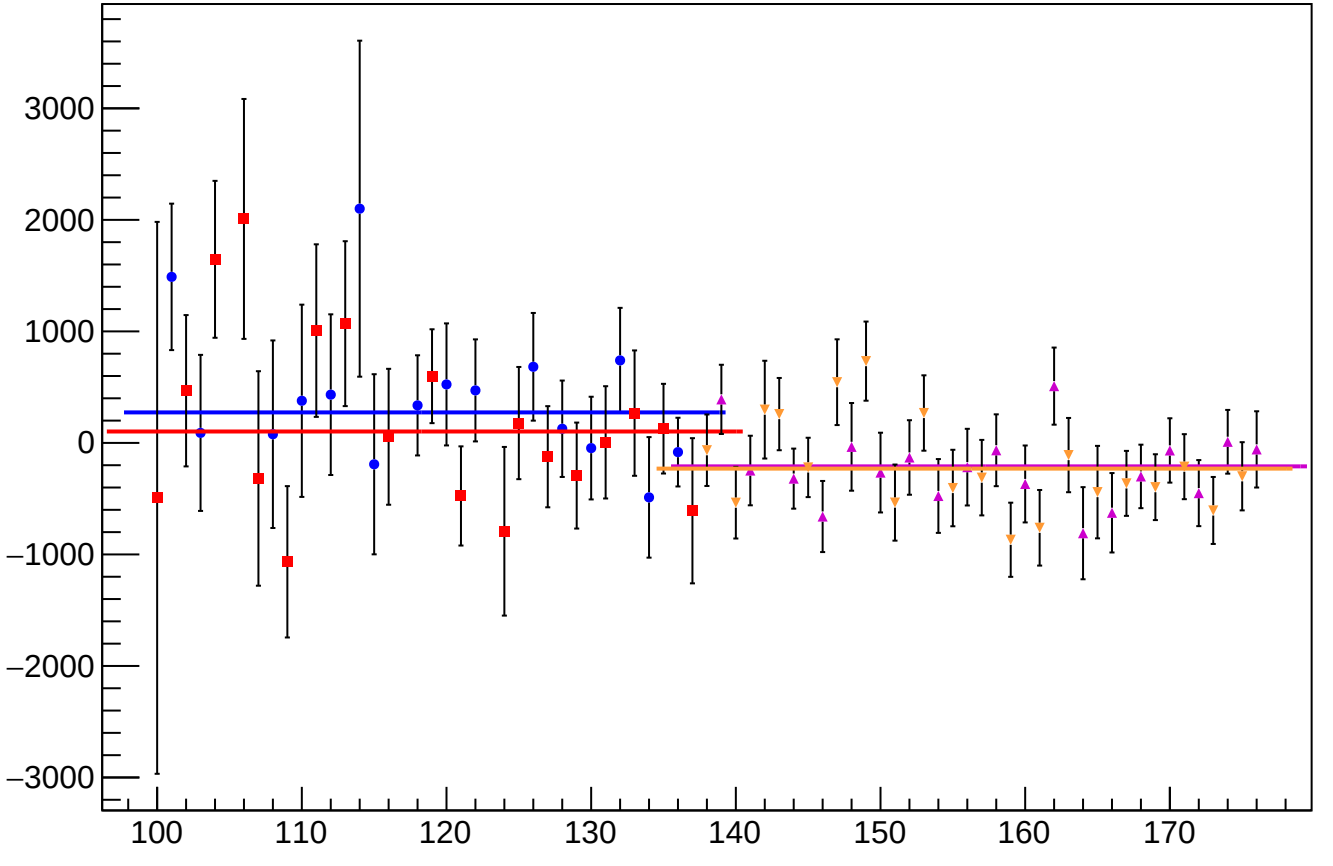
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2243.138+/-0.347 χ^2/NDF:3586260.9/34

Out: 2253.606+/-0.347 χ^2/NDF:4168460.7/38

All: 2248.378+/-0.245 χ^2/NDF: 7755176.5/73

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -230.537+/-73.135 χ^2/NDF:28.3/19

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -210.274+/-74.156 χ^2/NDF:16.8/18

Left: -220.546+/-52.072 χ^2/NDF: 45.2/38

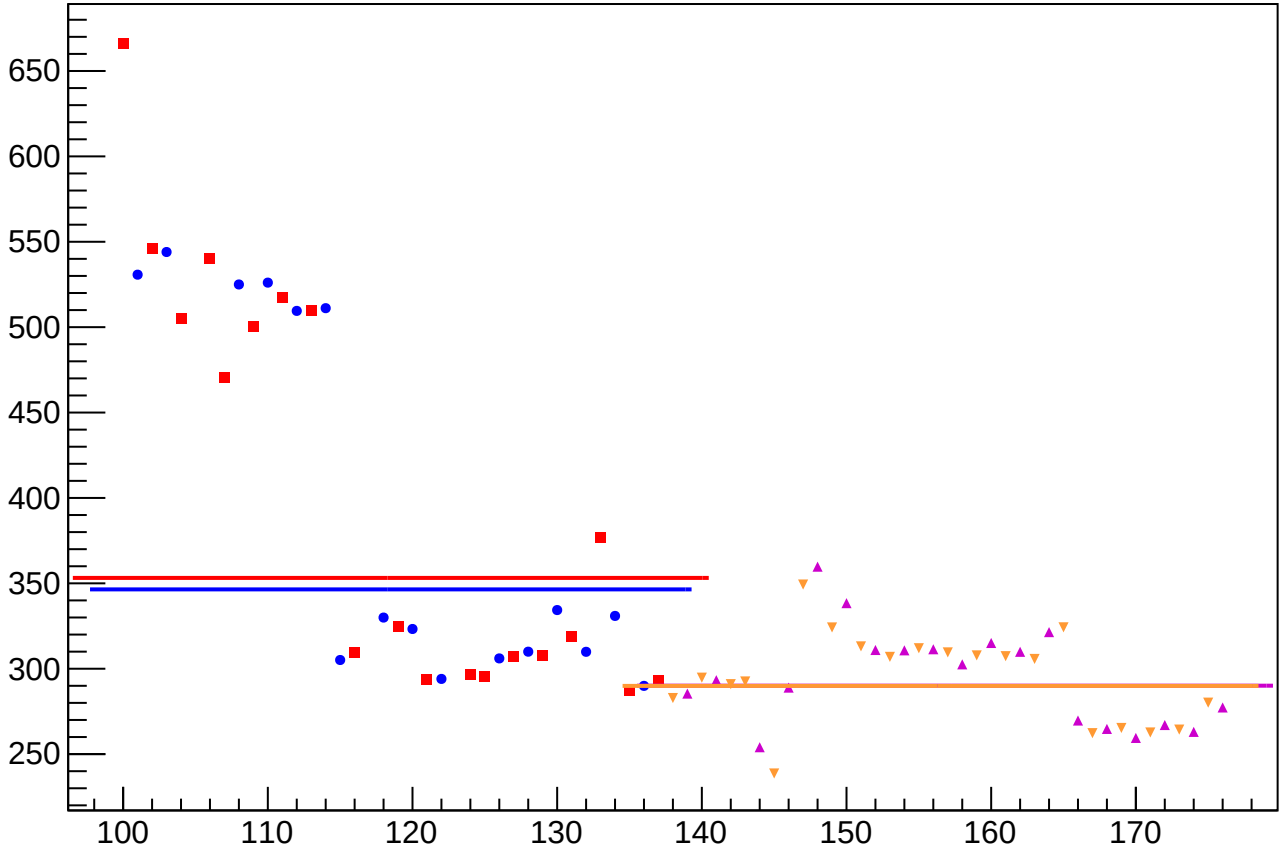
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -94.917+/-64.715 χ^2/NDF:38.4/34

Out: -153.783+/-64.153 χ^2/NDF:54.4/38

All: -124.606+/-45.560 χ^2/NDF: 93.2/73

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.945+/-0.052 χ^2/NDF:266604.8/19

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 290.070+/-0.052 χ^2/NDF:268545.8/18

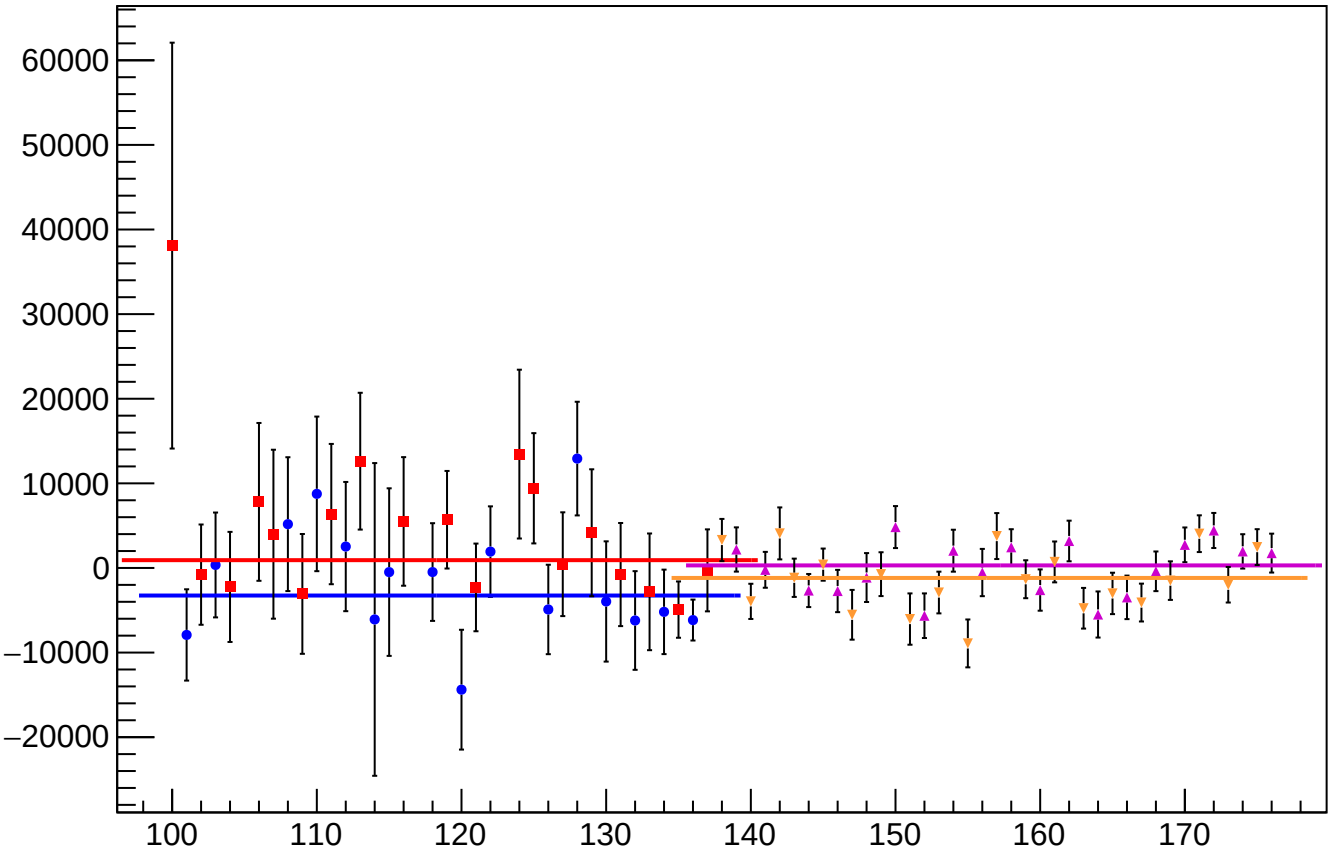
Left: 290.007+/-0.037 χ^2/NDF: 535153.5/38

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 303.513+/-0.046 χ^2/NDF:1312985.9/34

Out: 304.524+/-0.045 χ^2/NDF:1477662.4/38

All: 304.023+/-0.032 χ^2/NDF: 2790894.6/73



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1180.527+/-532.015 χ^2/NDF:38.7/19

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 301.616+/-539.290 χ^2/NDF:30.7/18

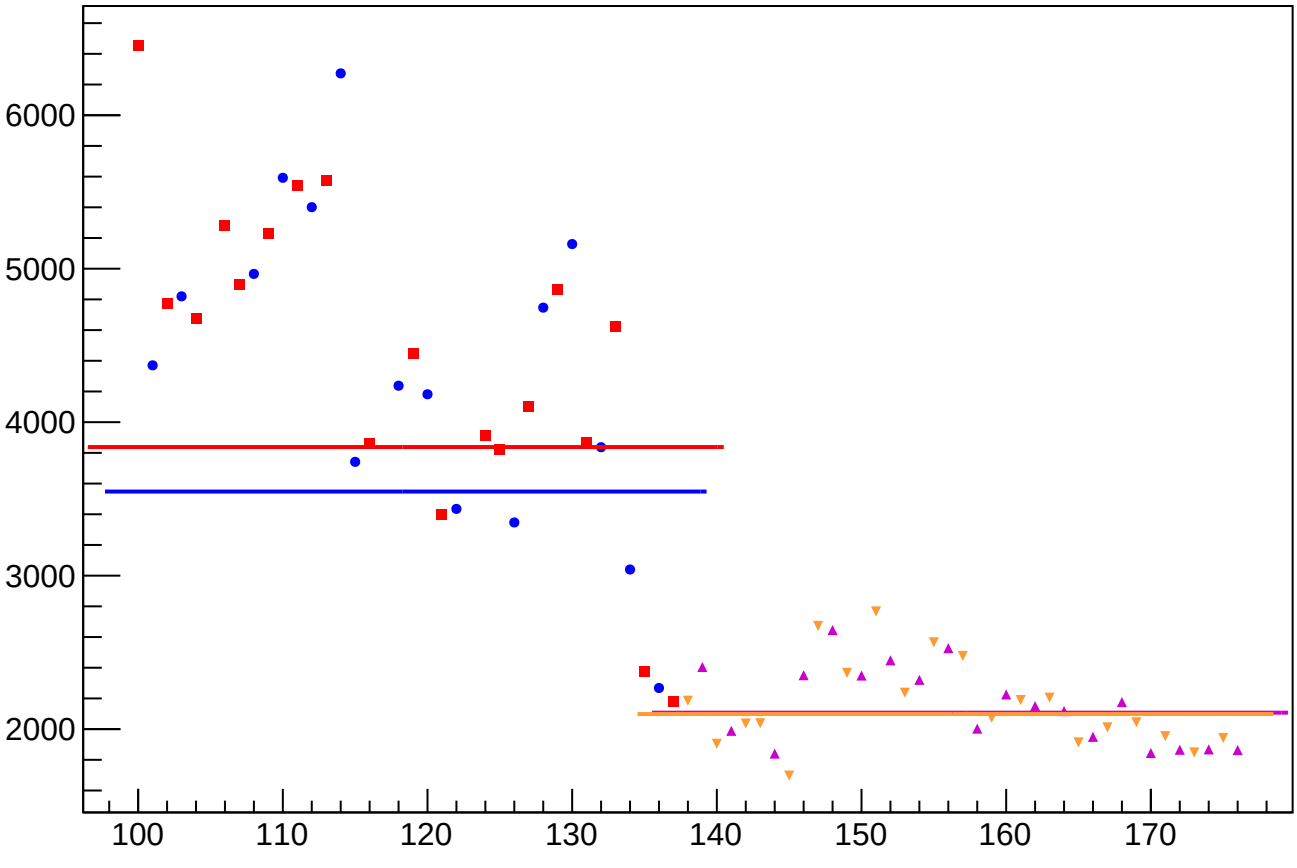
Left: -449.520+/-378.737 χ^2/NDF: 73.2/38

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -167.642+/-502.496 χ^2/NDF:52.5/34

Out: -934.383+/-499.892 χ^2/NDF:55.2/38

All: -553.005+/-354.394 χ^2/NDF: 108.8/73



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476199.9/19

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2107.262+/-0.381 χ^2/NDF:400120.6/18

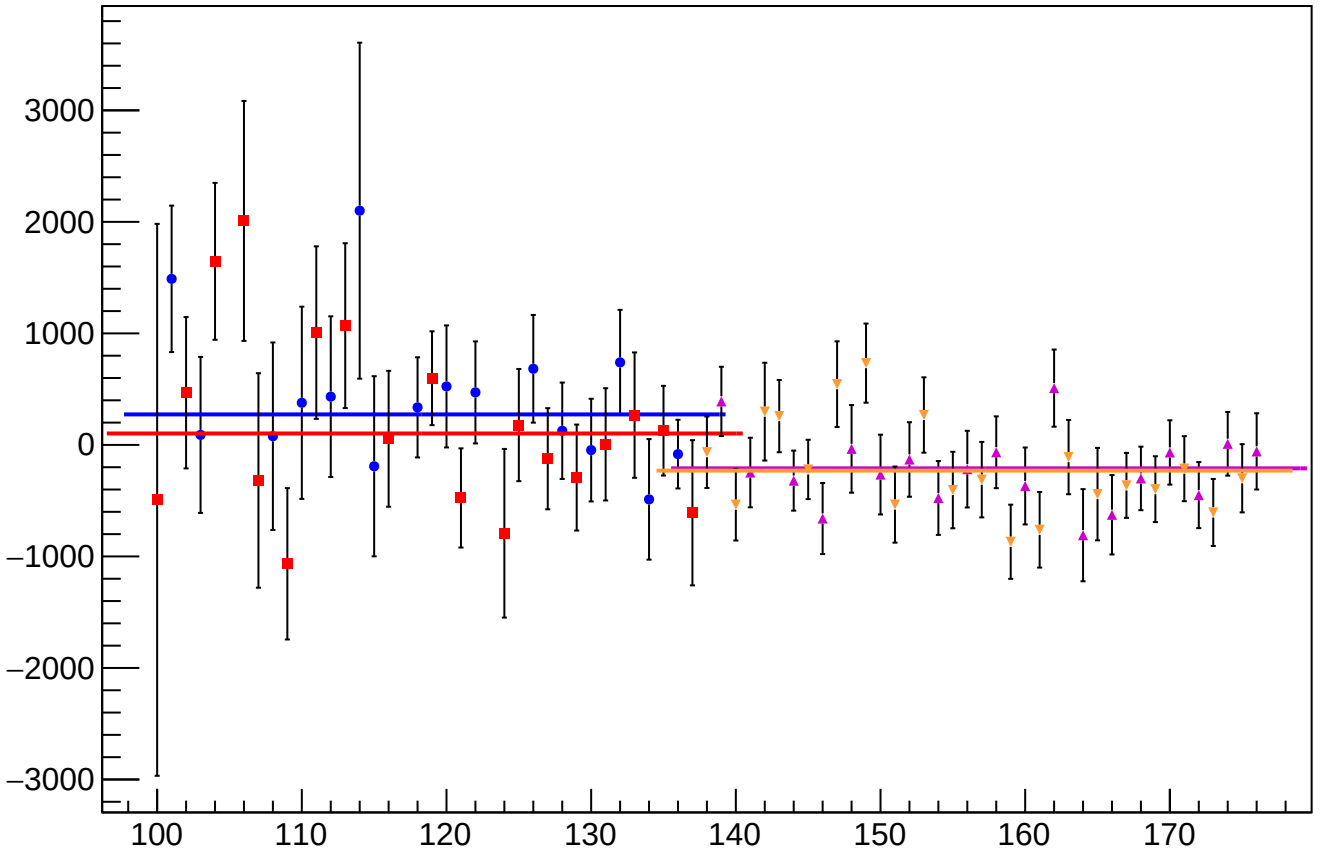
Left: 2102.702+/-0.268 χ^2/NDF: 876602.7/38

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2297.144+/-0.355 χ^2/NDF:3539841.0/34

Out: 2302.010+/-0.353 χ^2/NDF:4136682.1/38

All: 2299.590+/-0.251 χ^2/NDF: 7676617.4/73



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -230.541+/-73.135 χ^2/NDF:28.3/19

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -210.277+/-74.156 χ^2/NDF:16.8/18

Left: -220.549+/-52.072 χ^2/NDF: 45.2/38

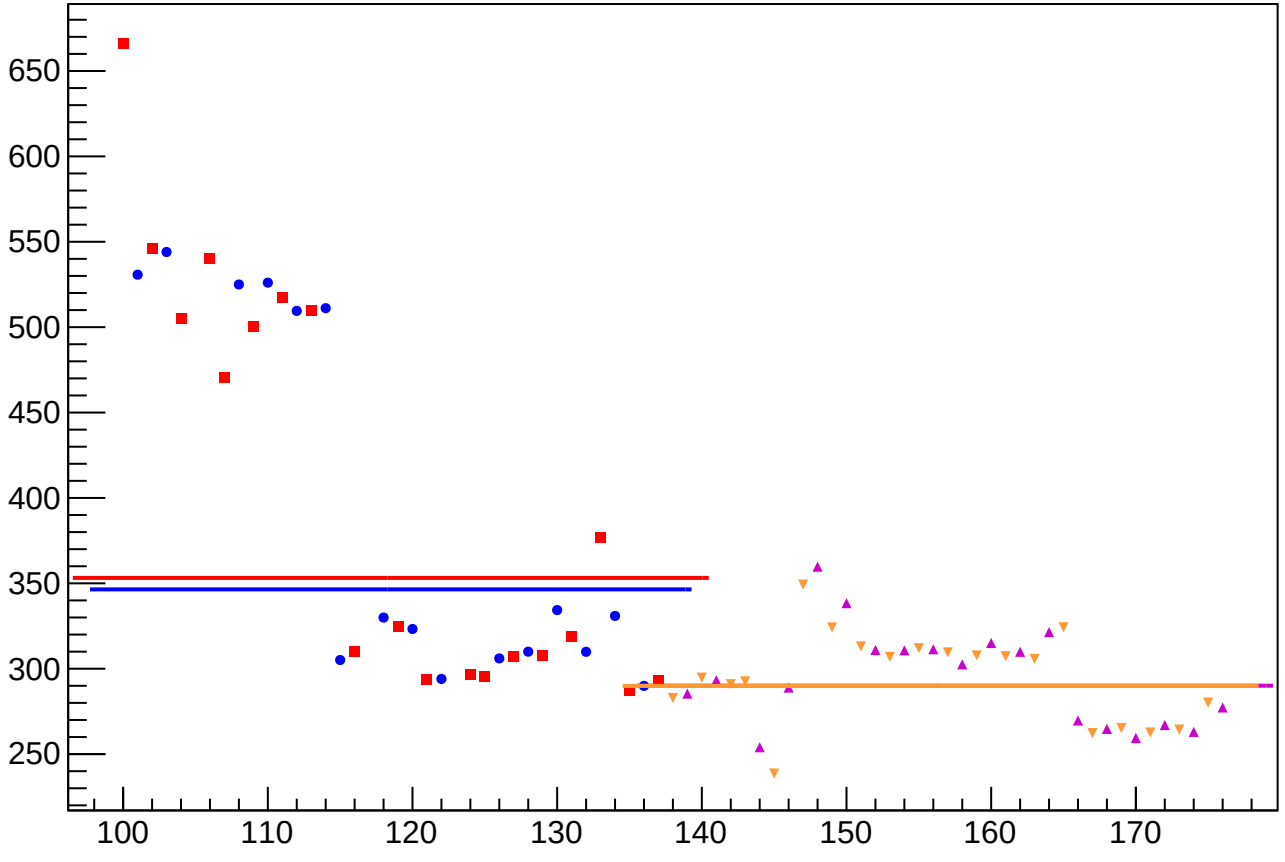
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -94.917+/-64.715 χ^2/NDF:38.4/34

Out: -153.786+/-64.153 χ^2/NDF:54.4/38

All: -124.608+/-45.560 χ^2/NDF: 93.2/73

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.945+/-0.052 χ^2/NDF:266610.4/19

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 290.070+/-0.052 χ^2/NDF:268548.2/18

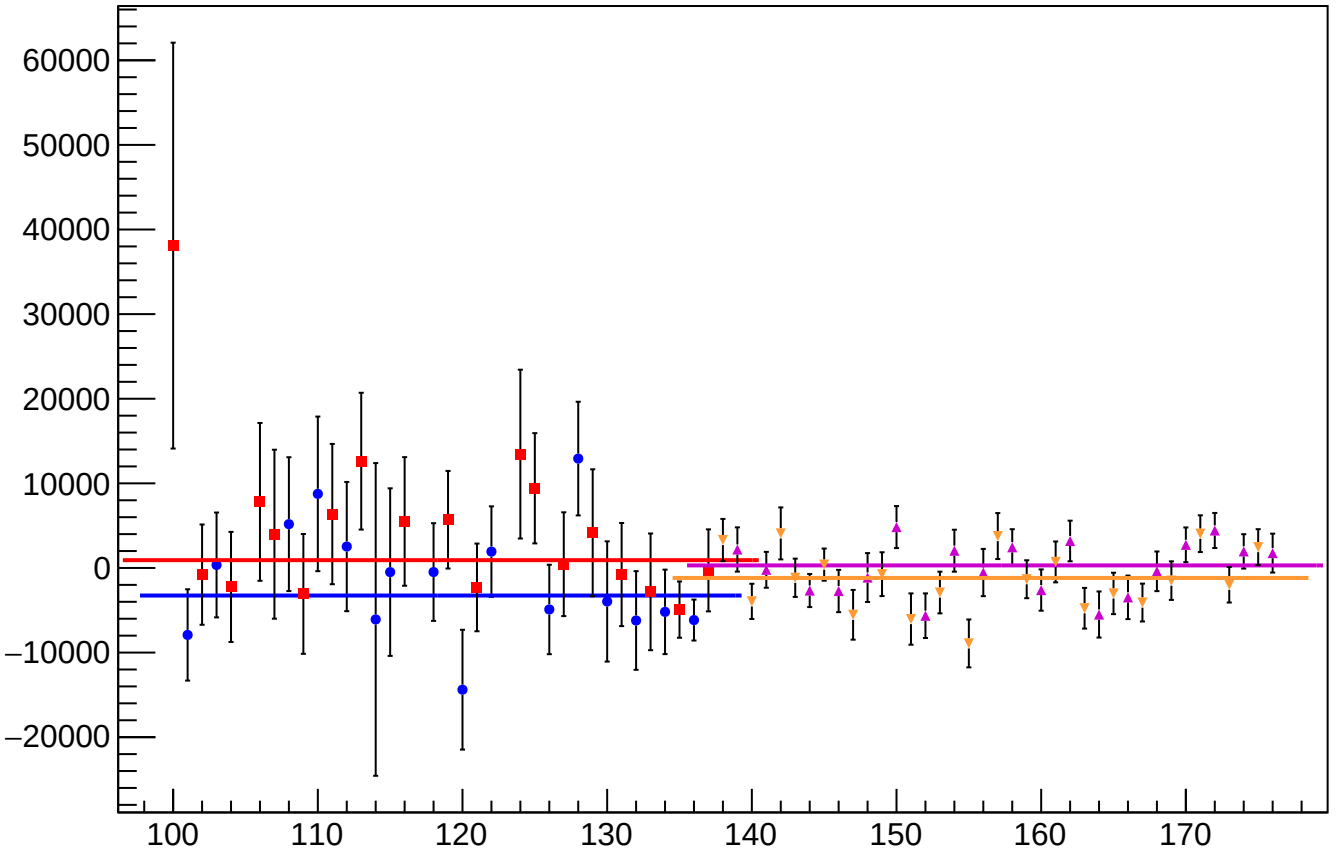
Left: 290.007+/-0.037 χ^2/NDF: 535161.5/38

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 303.512+/-0.046 χ^2/NDF:1312962.7/34

Out: 304.524+/-0.045 χ^2/NDF:1477645.6/38

All: 304.023+/-0.032 χ^2/NDF: 2790854.6/73



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1180.528+/-532.015 χ^2/NDF:38.7/19

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 301.616+/-539.290 χ^2/NDF:30.7/18

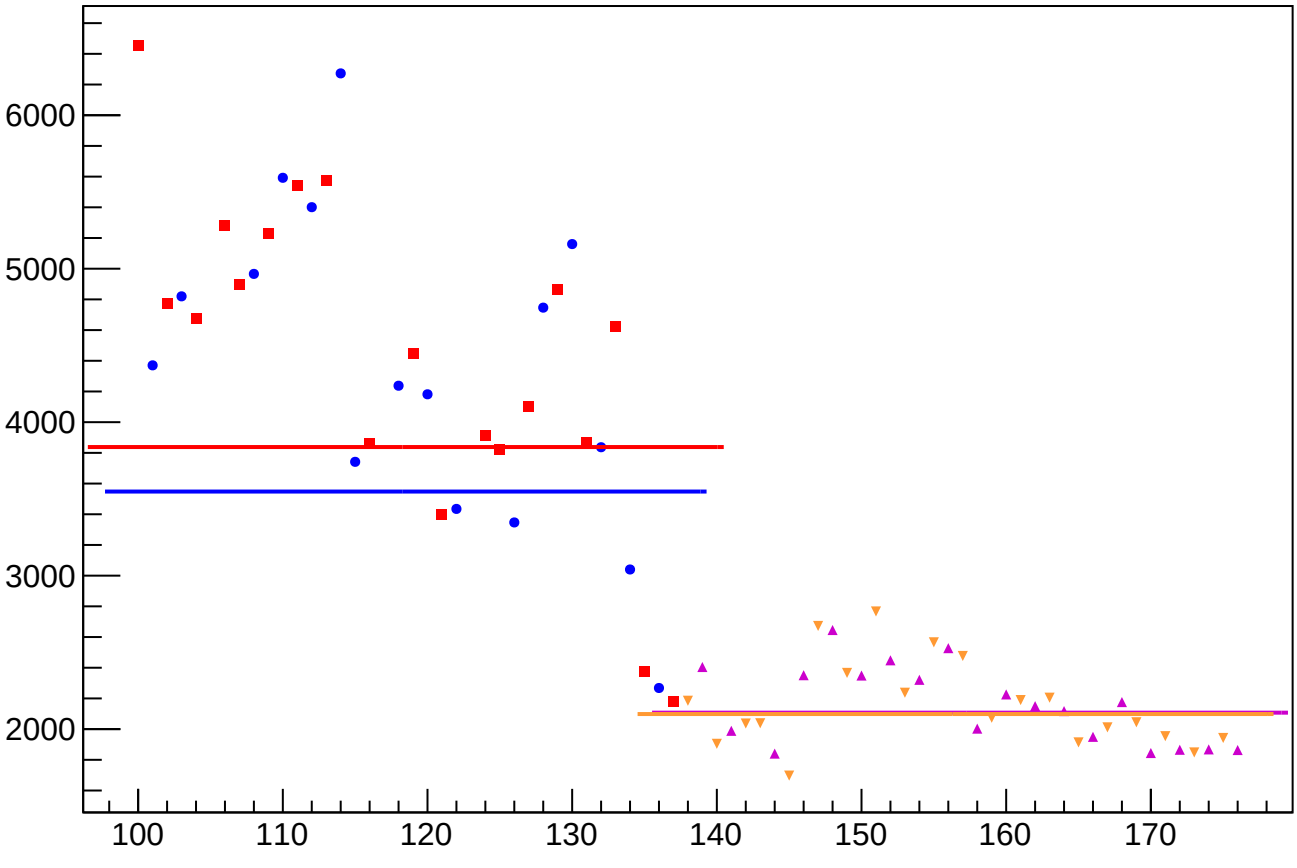
Left: -449.521+/-378.737 χ^2/NDF: 73.2/38

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -167.642+/-502.496 χ^2/NDF:52.5/34

Out: -934.382+/-499.892 χ^2/NDF:55.2/38

All: -553.005+/-354.394 χ^2/NDF: 108.8/73



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2098.264+/-0.376 χ^2/NDF:476204.1/19

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2107.263+/-0.381 χ^2/NDF:400120.9/18

Left: 2102.702+/-0.268 χ^2/NDF: 876607.2/38

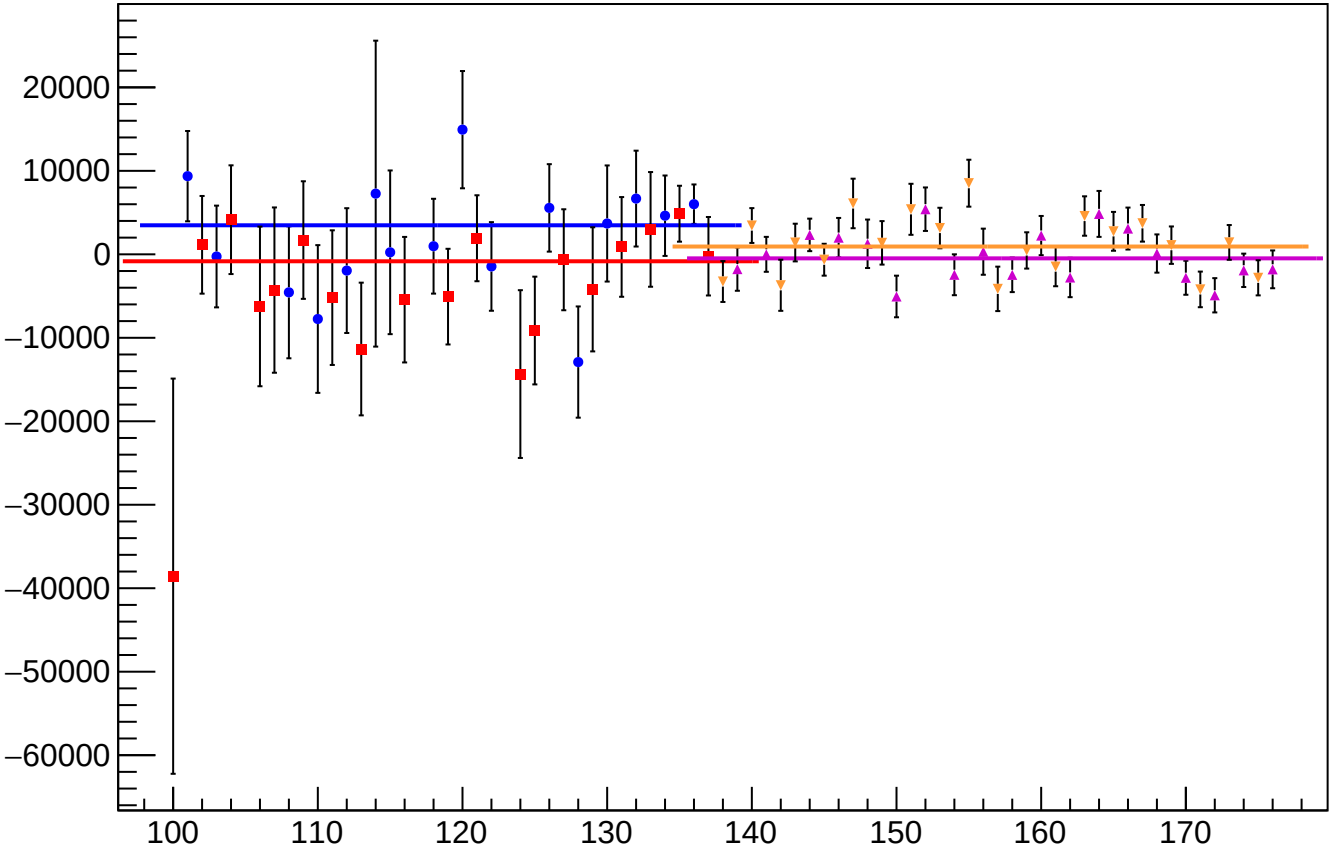
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2297.144+/-0.355 χ^2/NDF:3539822.7/34

Out: 2302.010+/-0.353 χ^2/NDF:4136670.3/38

All: 2299.590+/-0.251 χ^2/NDF: 7676587.2/73

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 933.769+/-525.745 χ^2/NDF:39.1/19

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -483.690+/-531.265 χ^2/NDF:28.9/18

Left: 232.442+/-373.694 χ^2/NDF: 71.5/38

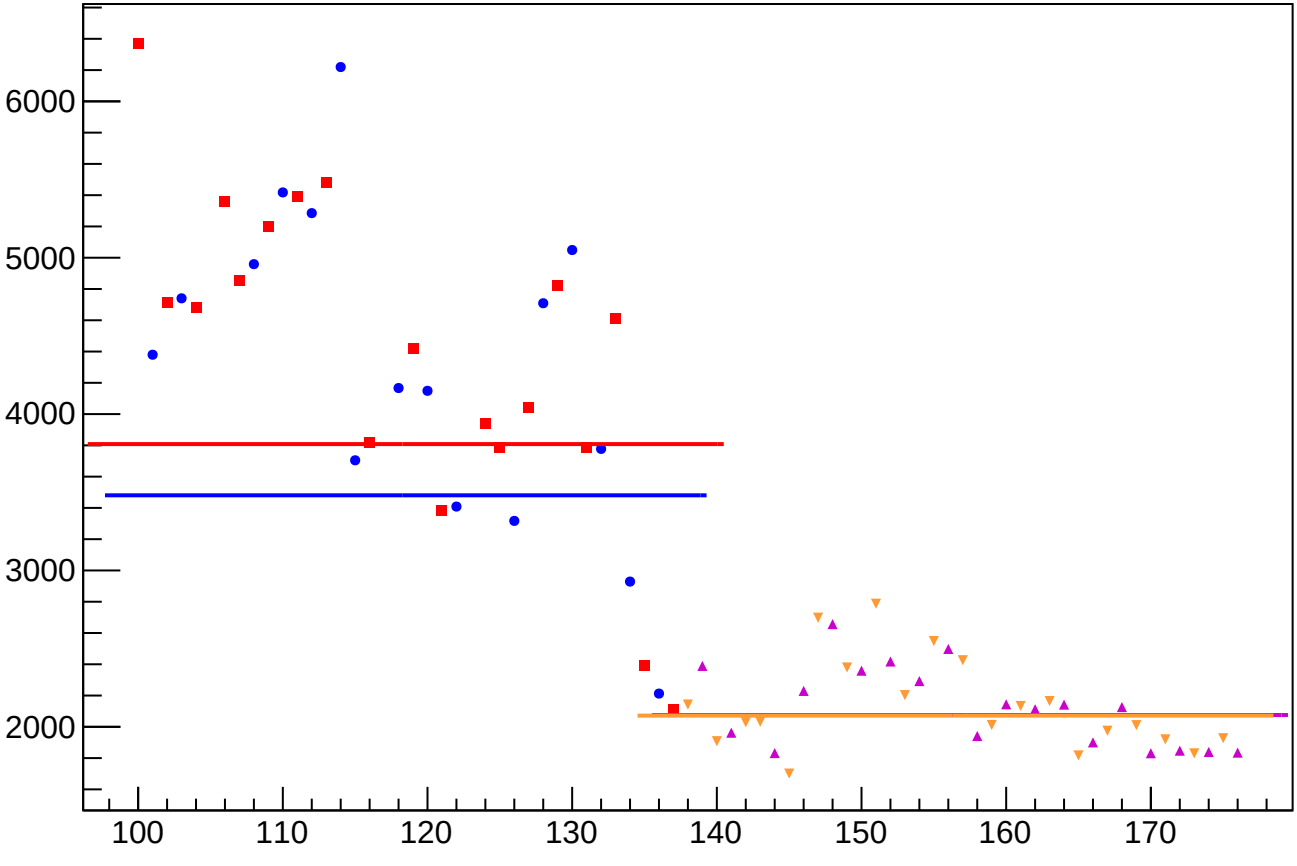
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 40.625+/-494.866 χ^2/NDF:52.5/34

Out: 728.446+/-494.245 χ^2/NDF:54.4/38

All: 384.967+/-349.703 χ^2/NDF: 107.9/73

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2071.732+/-0.372 χ^2/NDF:497411.9/19

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2075.620+/-0.376 χ^2/NDF:404388.3/18

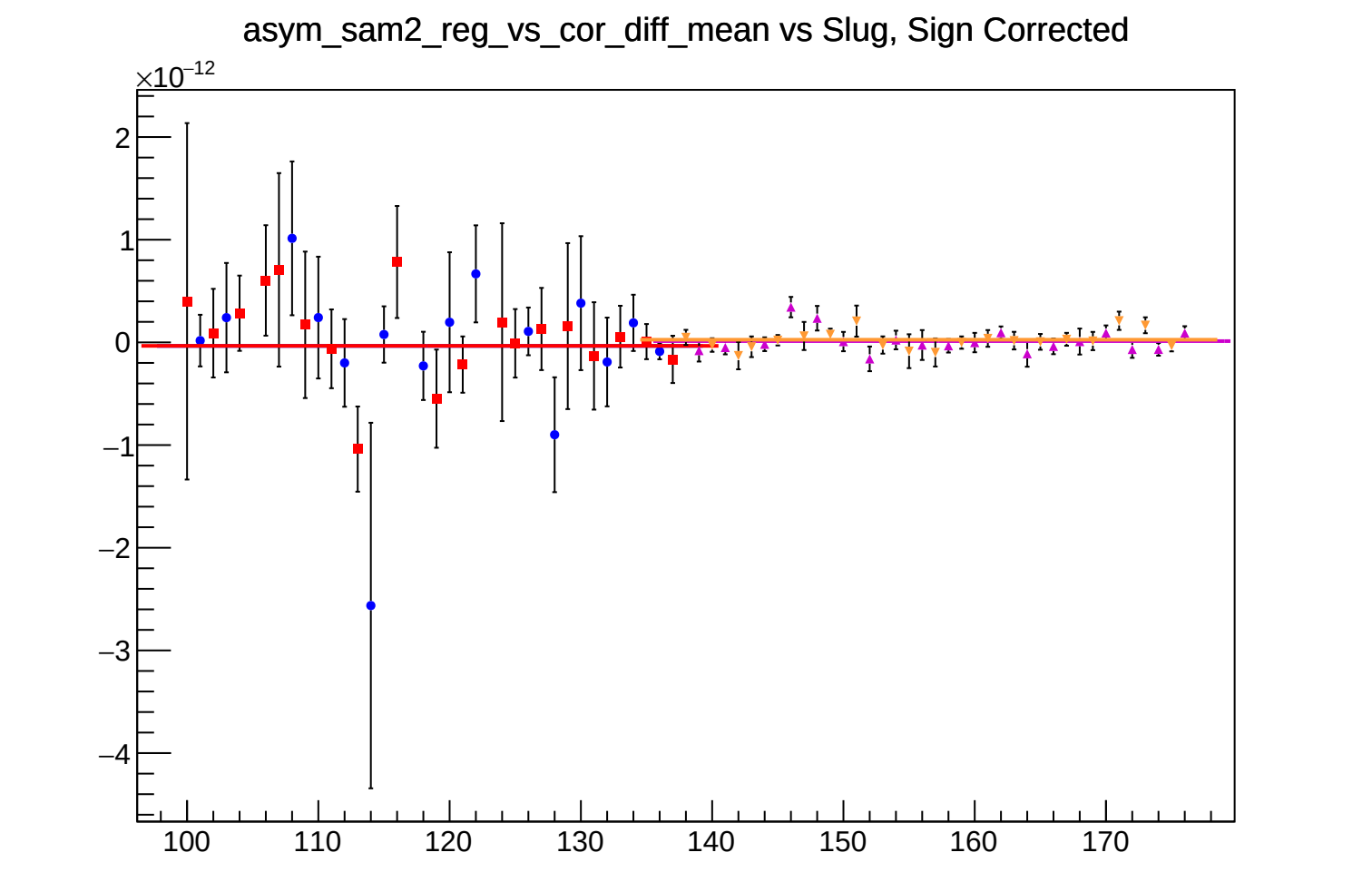
Left: 2073.656+/-0.264 χ^2/NDF: 901854.4/38

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2261.541+/-0.350 χ^2/NDF:3551970.9/34

Out: 2273.575+/-0.349 χ^2/NDF:4180965.5/38

All: 2267.566+/-0.247 χ^2/NDF: 7733528.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/18

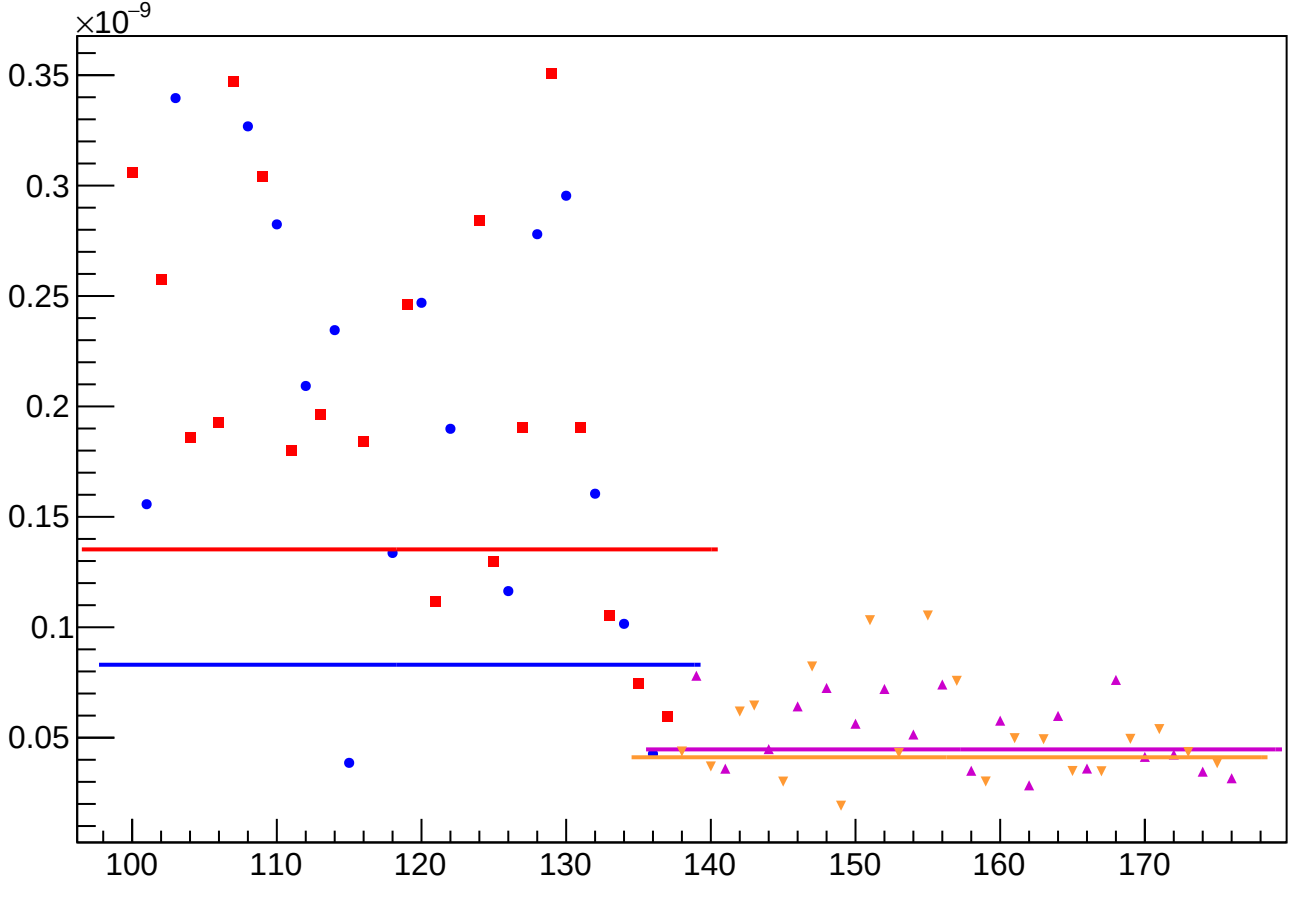
Left: 0.000+/-0.000 χ^2/NDF: 43.4/38

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:29.6/38

All: 0.000+/-0.000 χ^2/NDF: 70.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1725798.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1179631.1/18

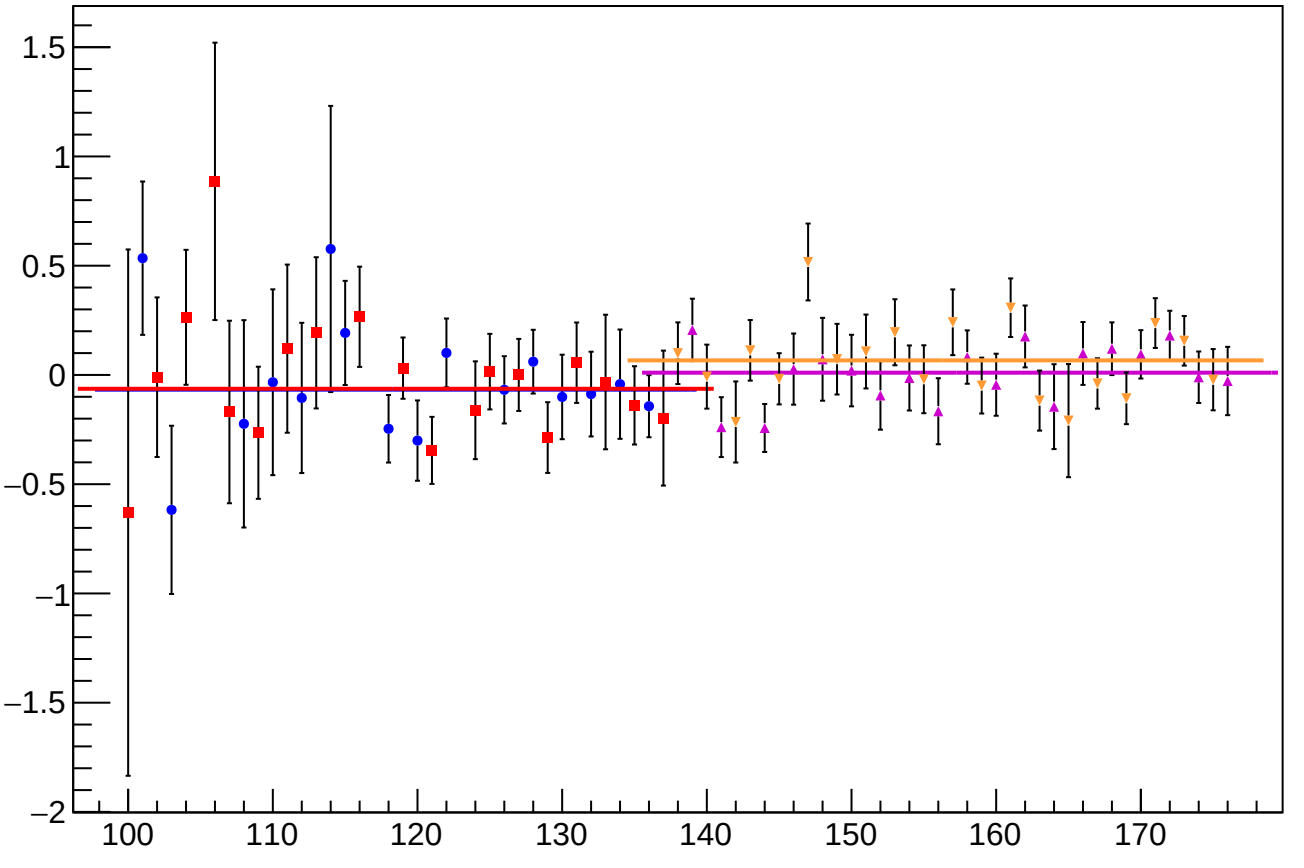
Left: 0.000+/-0.000 χ^2/NDF: 2944149.3/38

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4610907.9/34

Out: 0.000+/-0.000 χ^2/NDF:5490886.1/38

All: 0.000+/-0.000 χ^2/NDF: 10135492.5/73



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

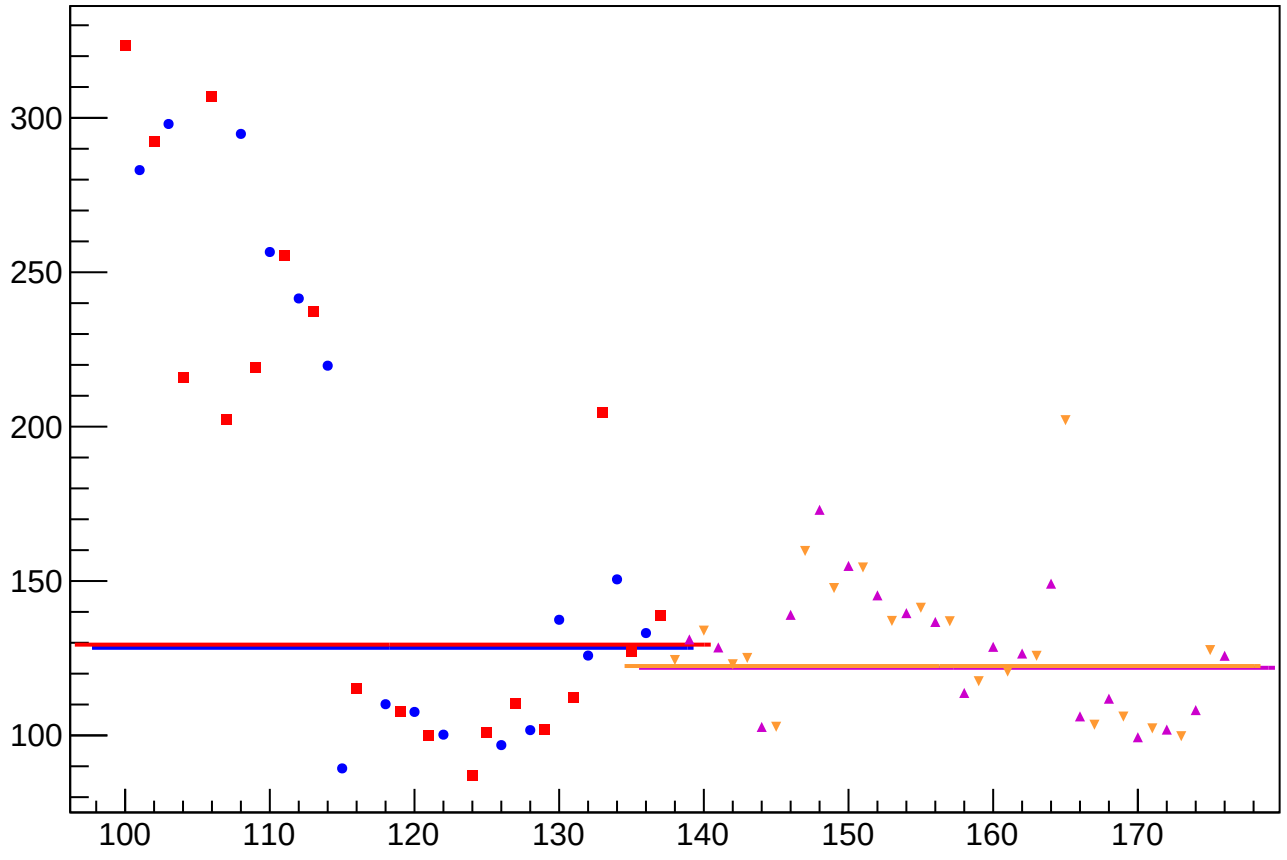
Left: 0.039+/-0.022 χ^2/NDF: 46.1/38

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.6/73



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

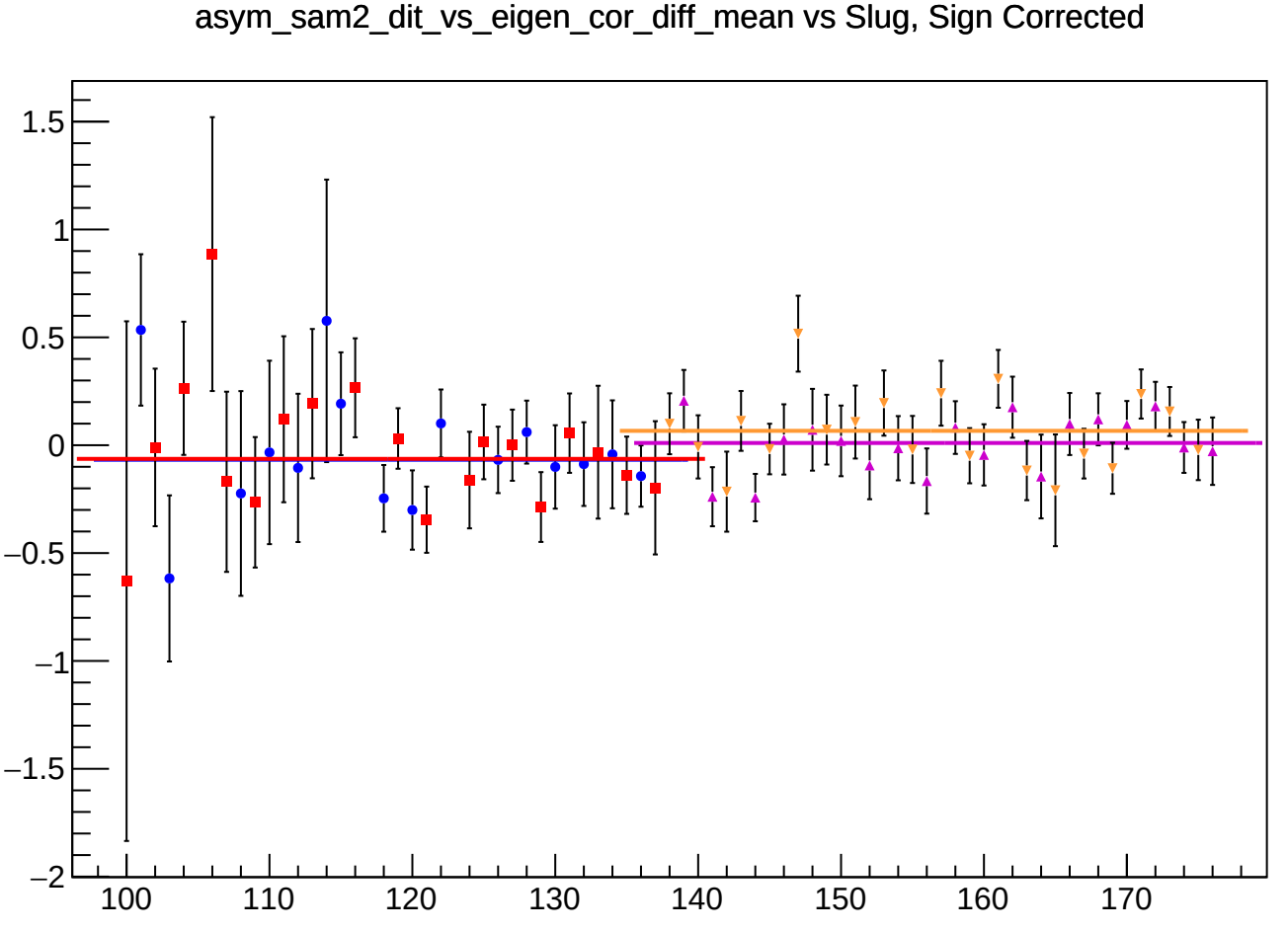
Left: 122.186+/-0.016 χ^2/NDF: 1459928.9/38

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.658+/-0.019 χ^2/NDF:2509136.7/34

Out: 124.330+/-0.019 χ^2/NDF:2693013.4/38

All: 123.997+/-0.013 χ^2/NDF: 5202776.7/73



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

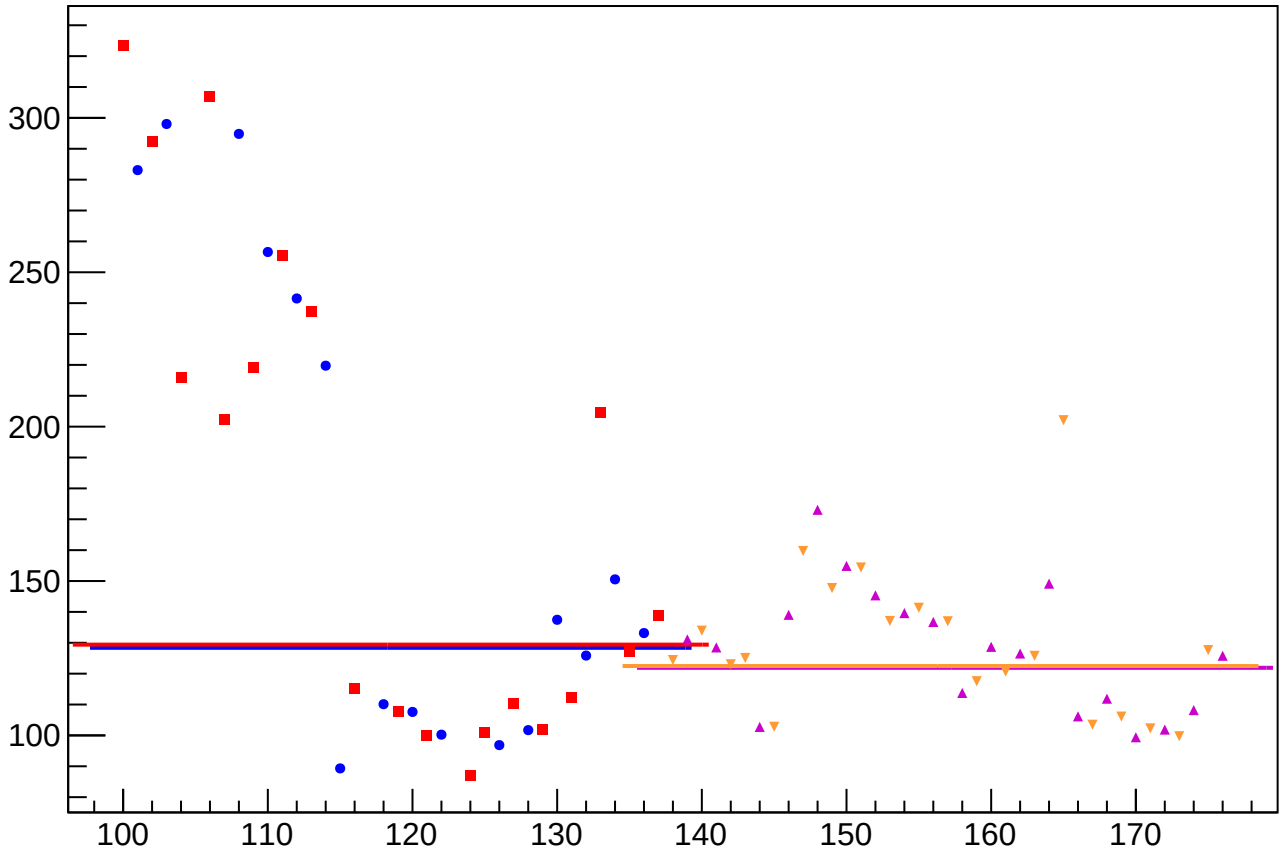
Left: 0.039+/-0.022 χ^2/NDF: 46.1/38

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.6/73



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.470+/-0.022 χ^2/NDF:778382.4/19

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

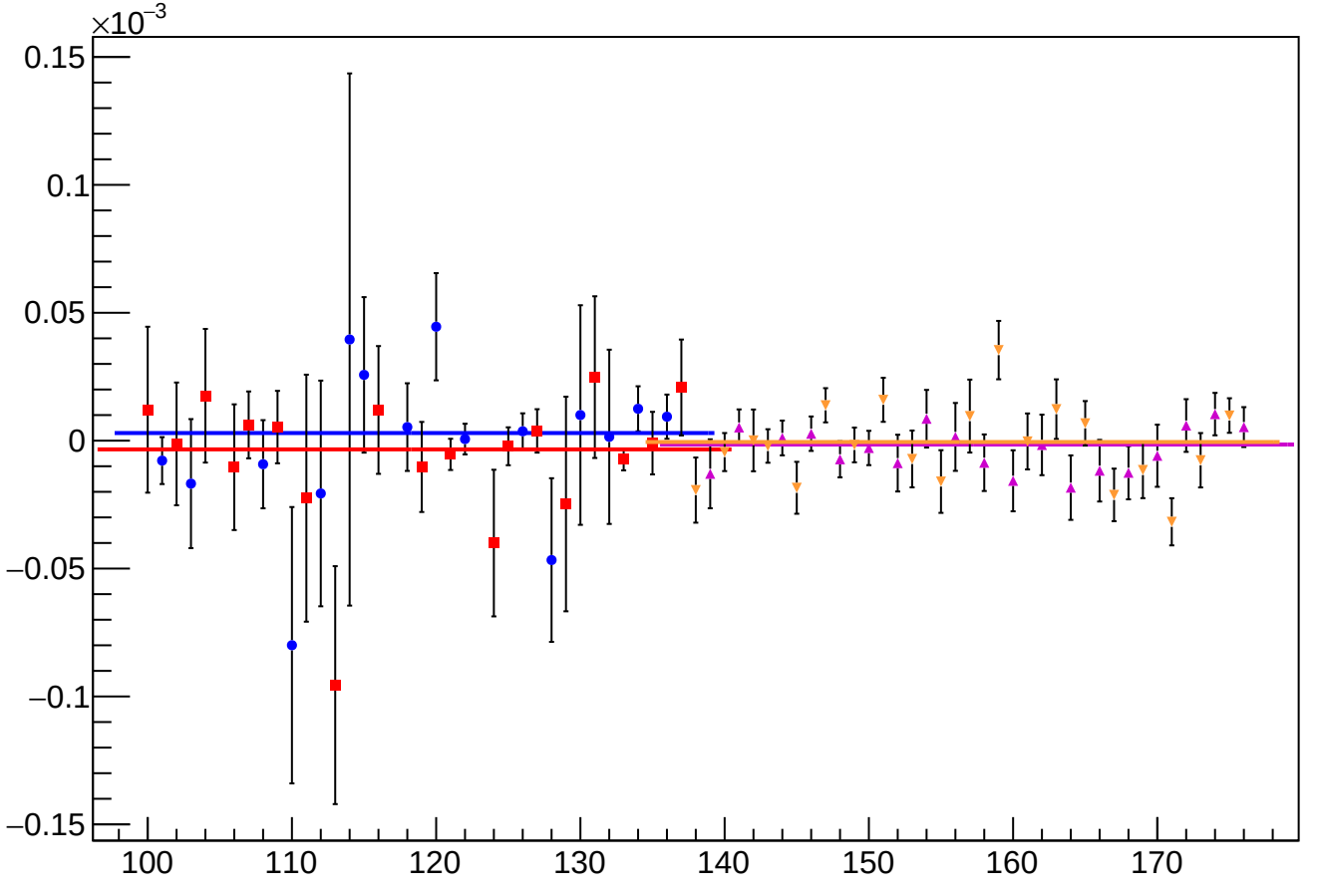
Left: 122.186+/-0.016 χ^2/NDF: 1459928.9/38

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.658+/-0.019 χ^2/NDF:2509136.7/34

Out: 124.330+/-0.019 χ^2/NDF:2693013.4/38

All: 123.997+/-0.013 χ^2/NDF: 5202776.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/18

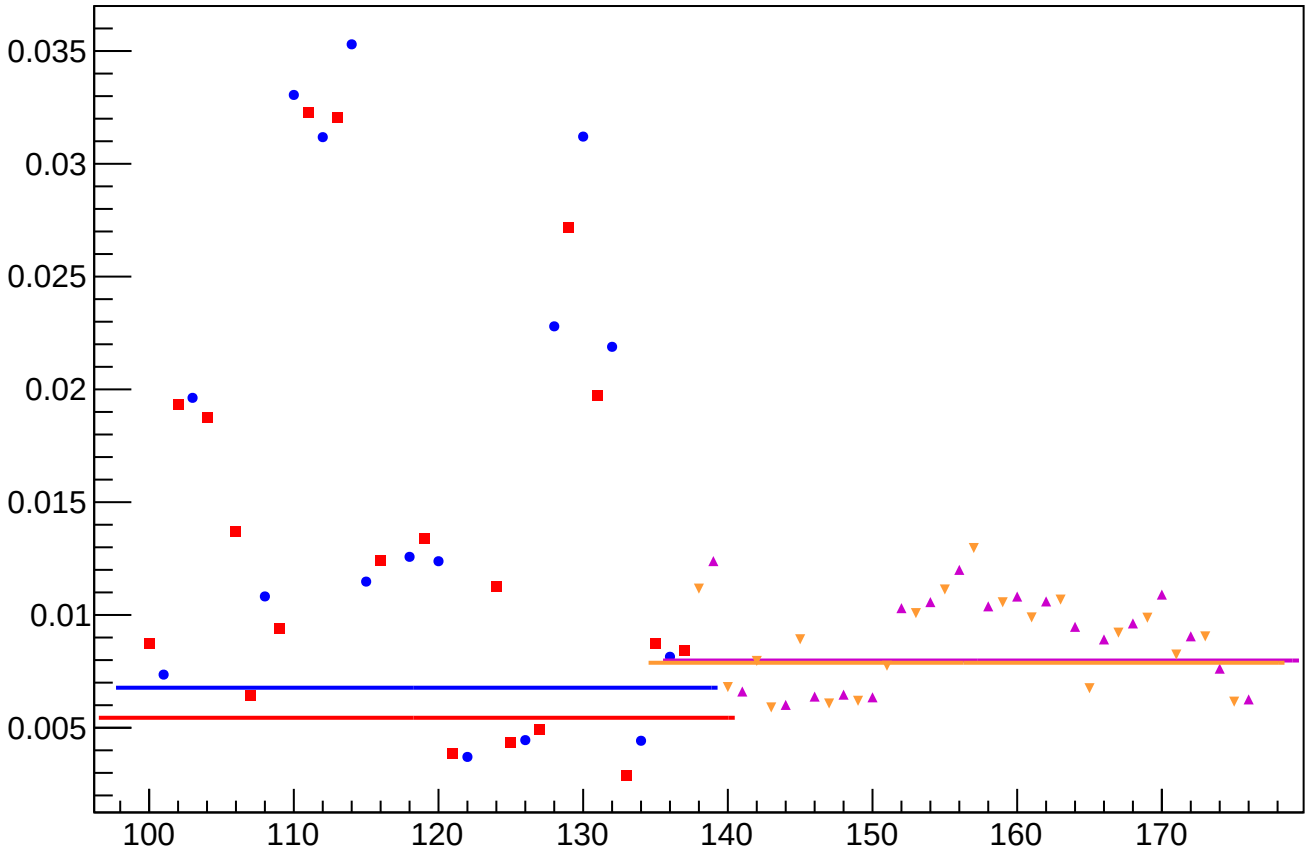
Left: -0.000+/-0.000 χ^2/NDF: 60.7/38

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:28.6/34

Out: -0.000+/-0.000 χ^2/NDF:60.9/38

All: -0.000+/-0.000 χ^2/NDF: 89.8/73



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1706852.0/19

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1791714.7/18

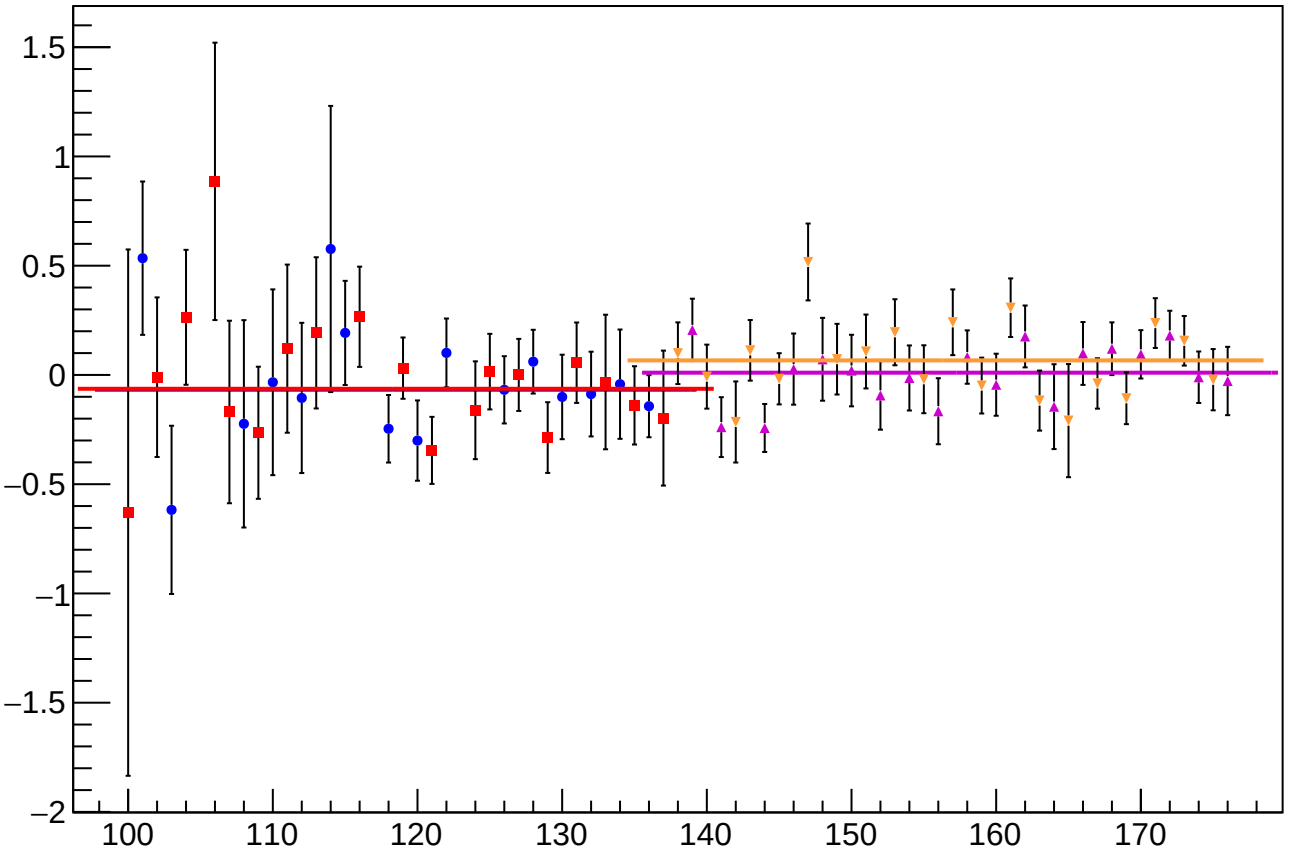
Left: 0.008+/-0.000 χ^2/NDF: 3500857.6/38

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6767132.3/34

Out: 0.007+/-0.000 χ^2/NDF:8367501.5/38

All: 0.007+/-0.000 χ^2/NDF: 15289731.9/73



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

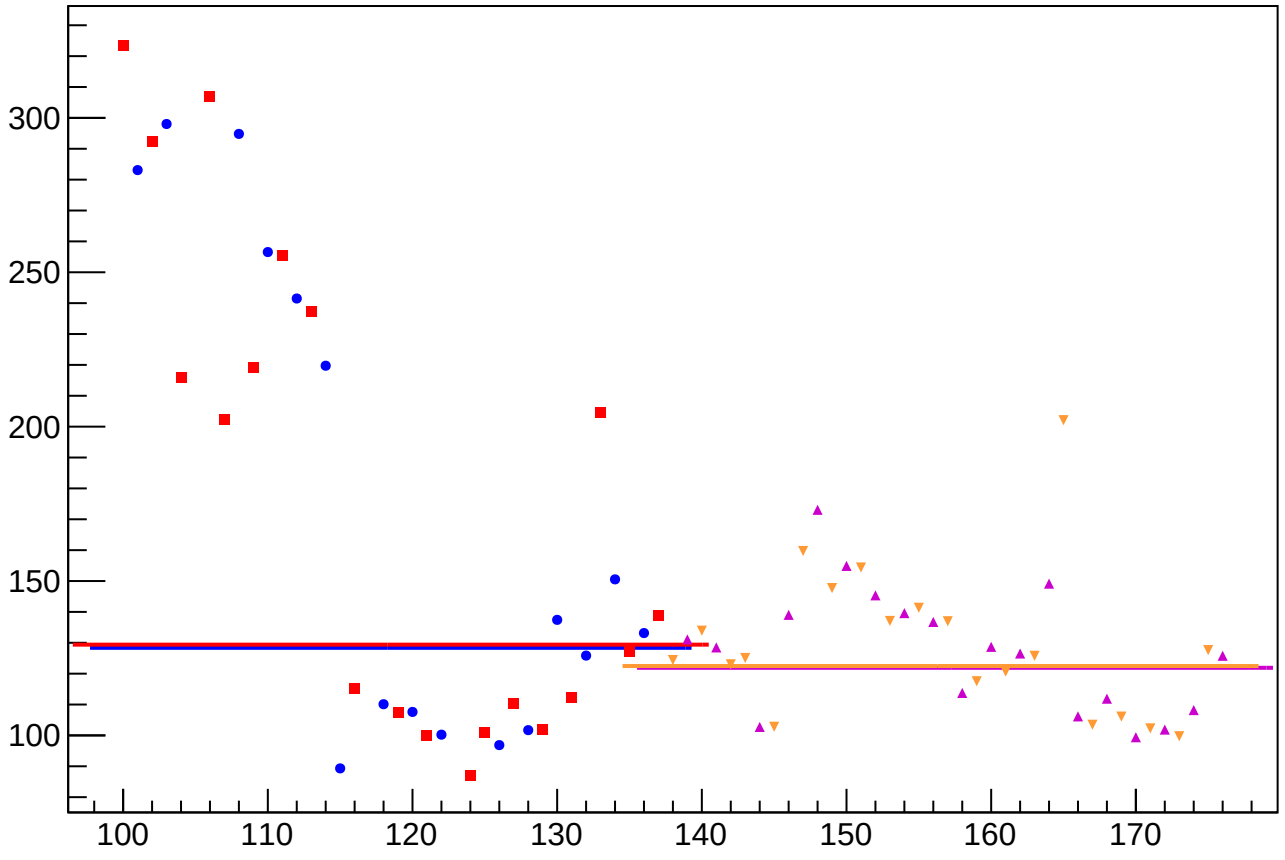
Left: 0.039+/-0.022 χ^2/NDF: 46.1/38

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.6/73



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

Left: 122.186+/-0.016 χ^2/NDF: 1460000.6/38

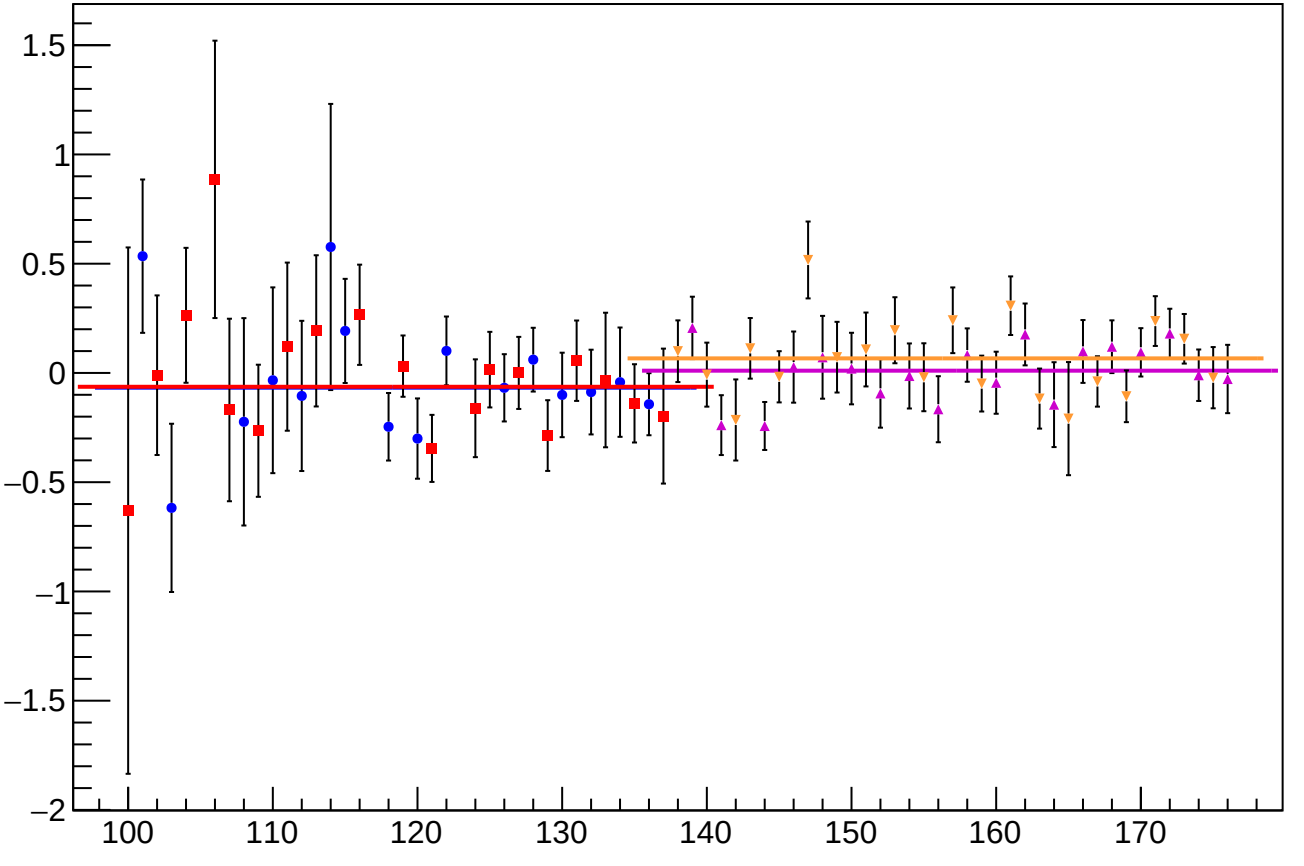
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.657+/-0.019 χ^2/NDF:2509092.4/34

Out: 124.330+/-0.019 χ^2/NDF:2693039.5/38

All: 123.996+/-0.013 χ^2/NDF: 5202758.5/73

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: 0.067+/-0.031 χ^2/NDF:25.5/19

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

Left: 0.039+/-0.022 χ^2/NDF: 46.1/38

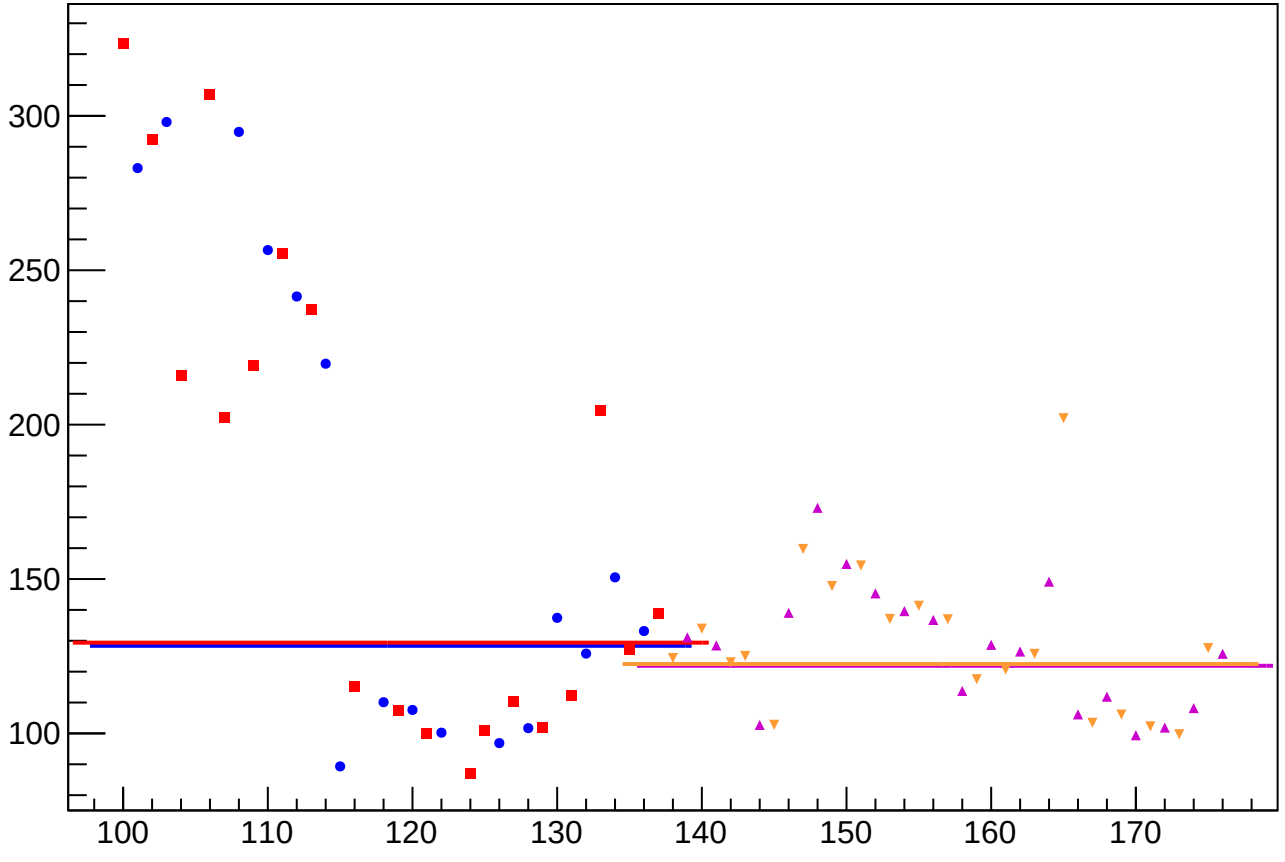
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.027 χ^2/NDF:44.1/38

All: 0.011+/-0.019 χ^2/NDF: 78.6/73

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.470+/-0.022 χ^2/NDF:778428.2/19

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

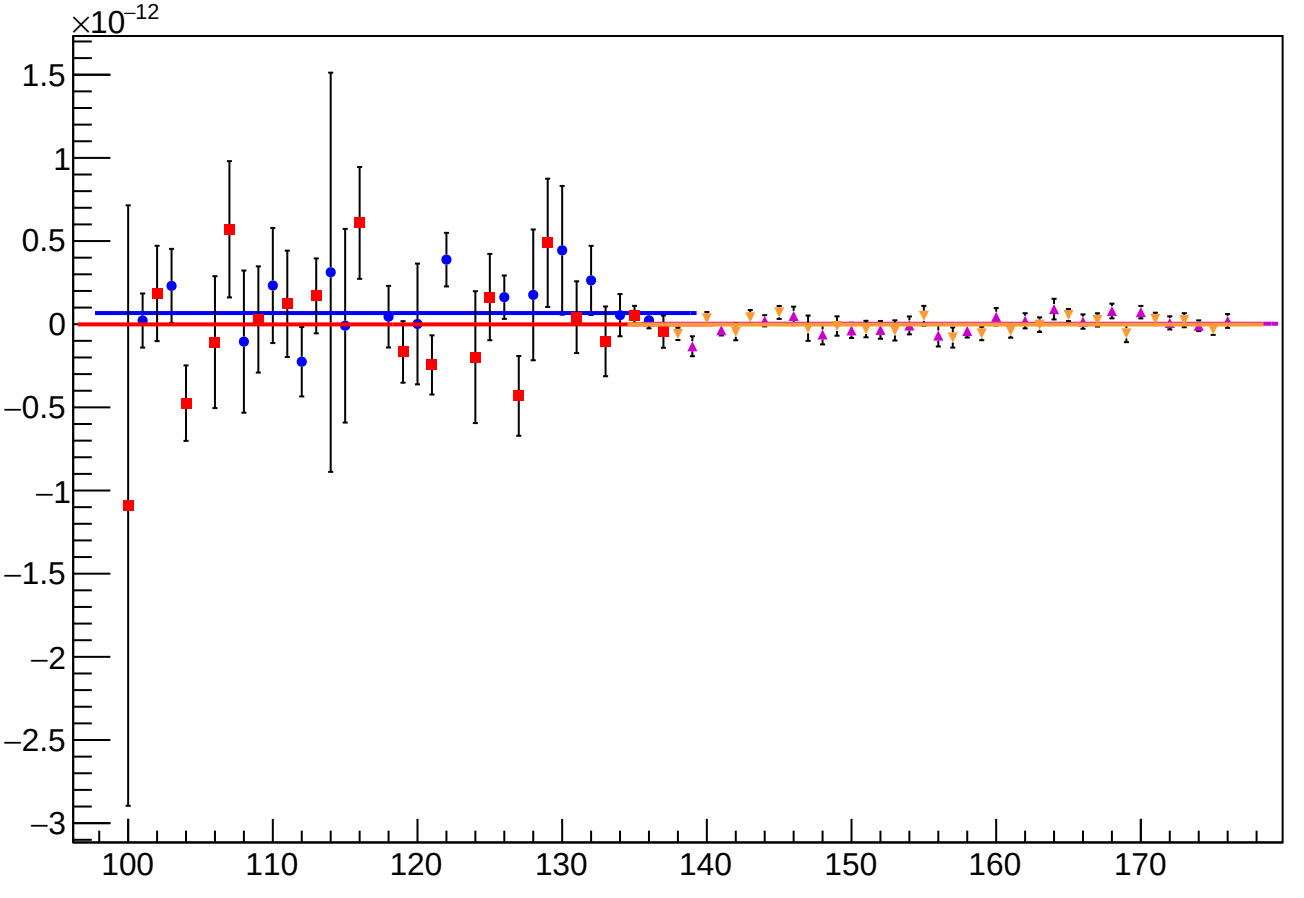
Left: 122.186+/-0.016 χ^2/NDF: 1460000.6/38

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.657+/-0.019 χ^2/NDF:2509092.4/34

Out: 124.330+/-0.019 χ^2/NDF:2693039.5/38

All: 123.996+/-0.013 χ^2/NDF: 5202758.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:22.1/18

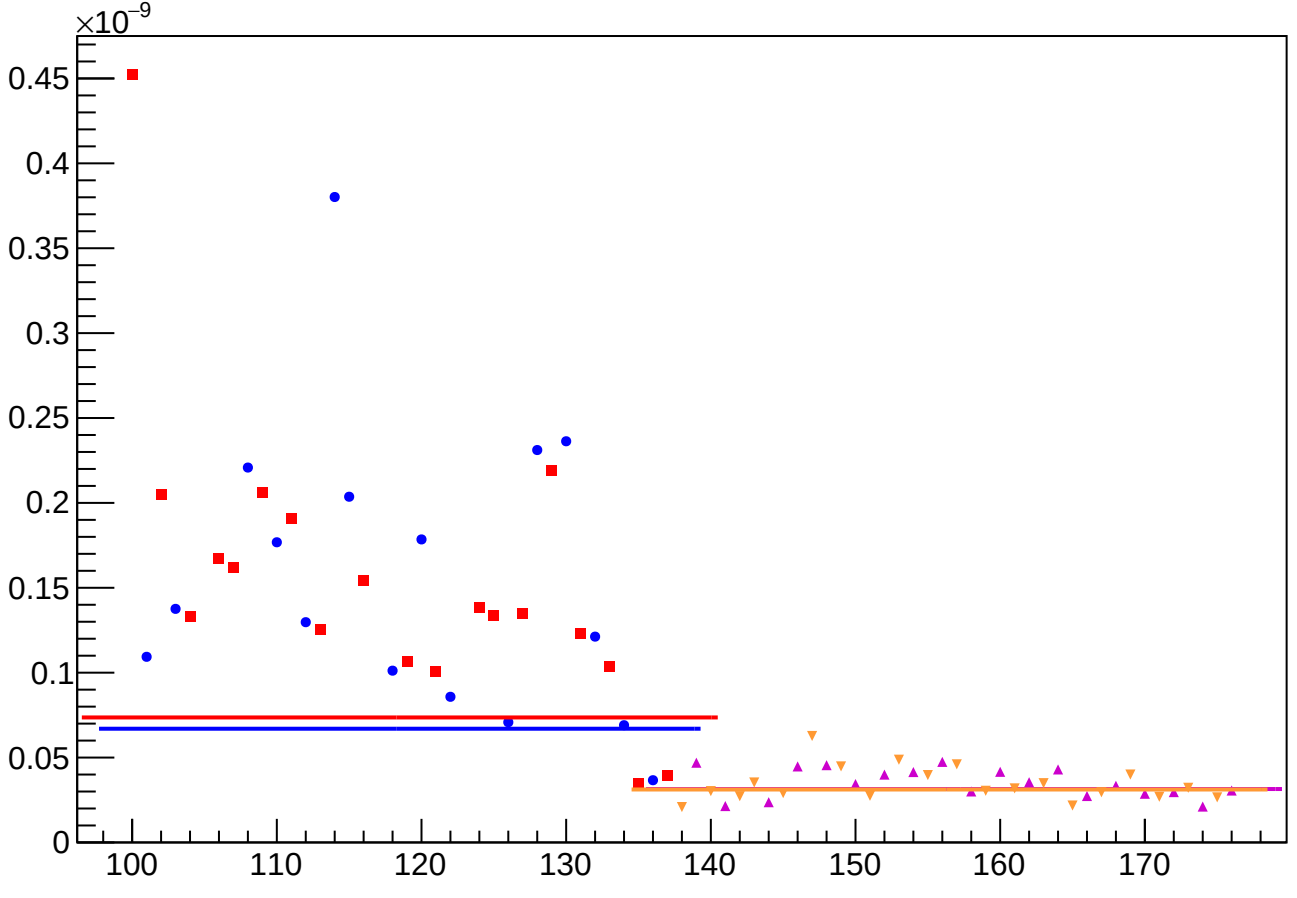
Left: 0.000+/-0.000 χ^2/NDF: 42.3/38

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.4/34

Out: -0.000+/-0.000 χ^2/NDF:40.8/38

All: 0.000+/-0.000 χ^2/NDF: 76.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258584.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1317936.1/18

Left: 0.000+/-0.000 χ^2/NDF: 2577255.4/38

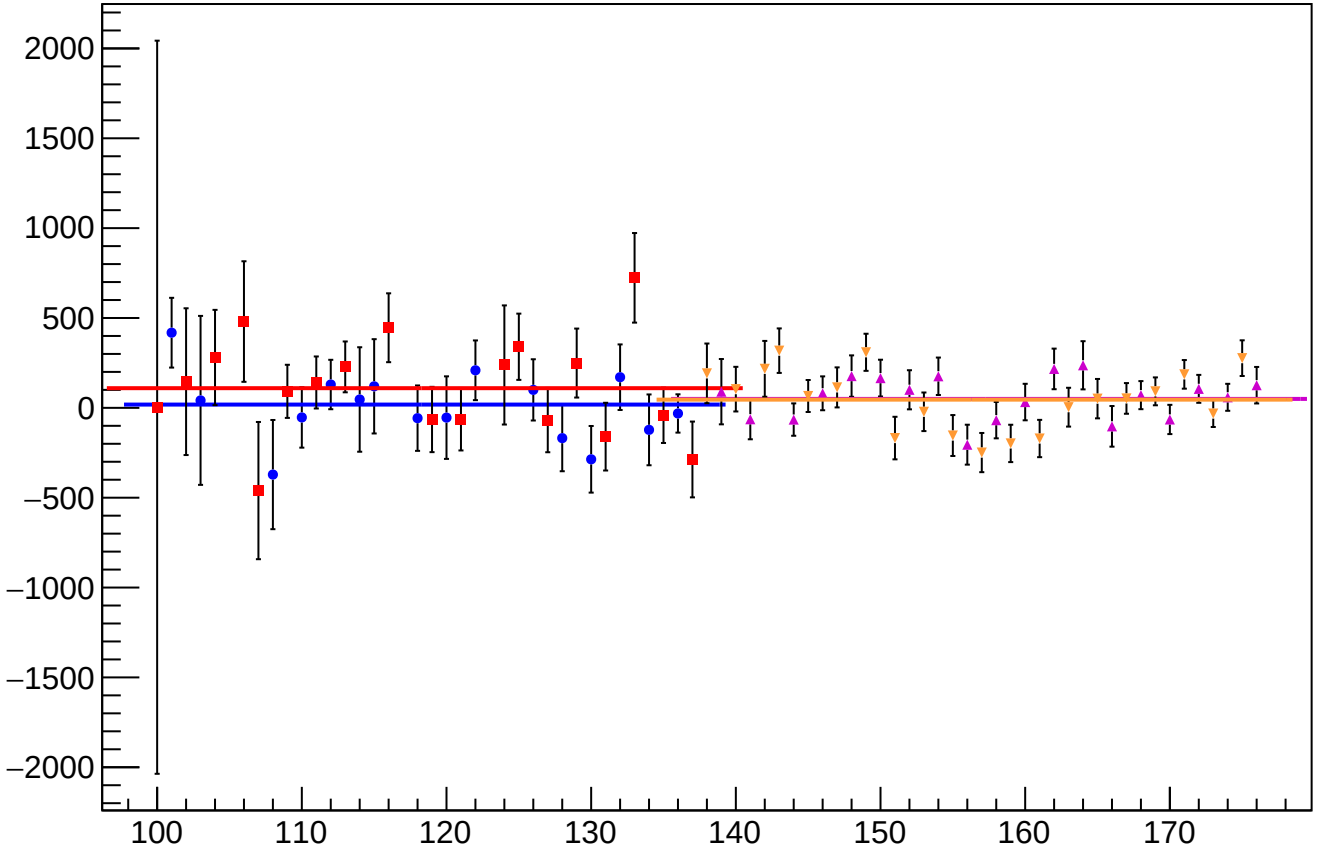
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6293760.4/34

Out: 0.000+/-0.000 χ^2/NDF:7096616.9/38

All: 0.000+/-0.000 χ^2/NDF: 13391572.8/73

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.682+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 49.750+/-22.722 χ^2/NDF:22.7/18

Left: 47.723+/-16.095 χ^2/NDF: 70.7/38

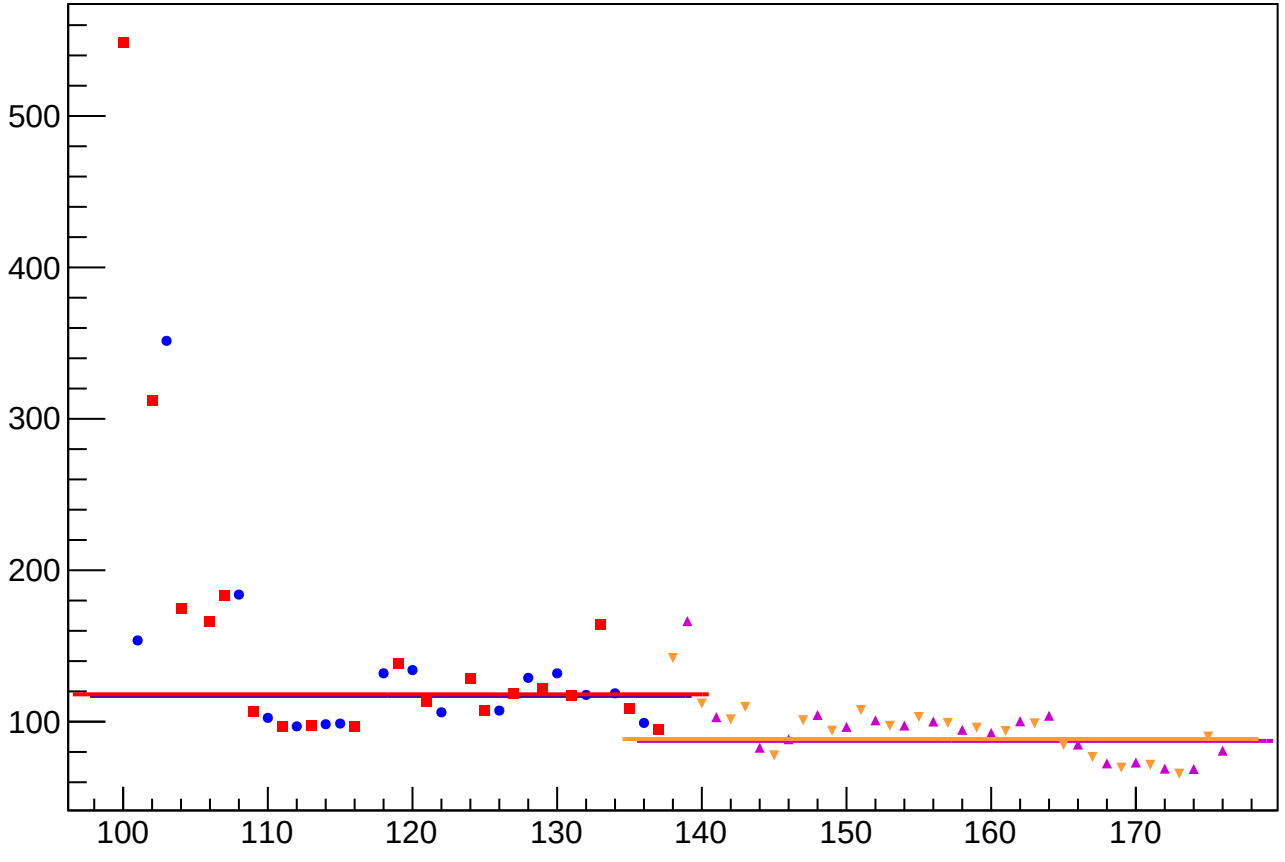
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 43.498+/-20.346 χ^2/NDF:37.0/34

Out: 58.335+/-20.415 χ^2/NDF:75.0/38

All: 50.891+/-14.411 χ^2/NDF: 112.3/73

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.5/19

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

Left: 87.925+/-0.011 χ^2/NDF: 2015166.6/38

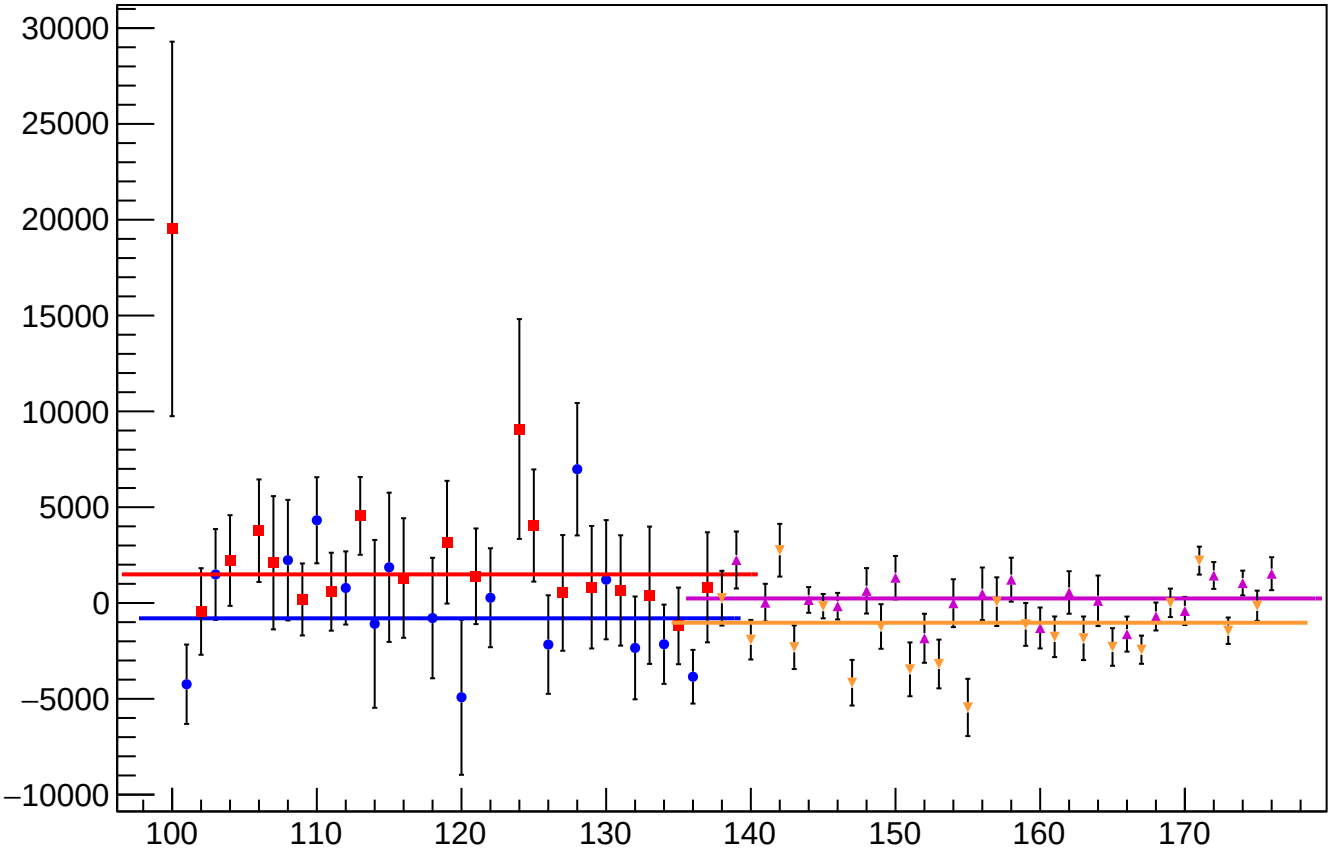
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.201+/-0.014 χ^2/NDF:2548662.5/34

Out: 94.407+/-0.014 χ^2/NDF:2657205.6/38

All: 93.802+/-0.010 χ^2/NDF: 5209365.0/73

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1030.317+/-215.197 χ^2/NDF:64.2/19

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 236.521+/-209.424 χ^2/NDF:22.2/18

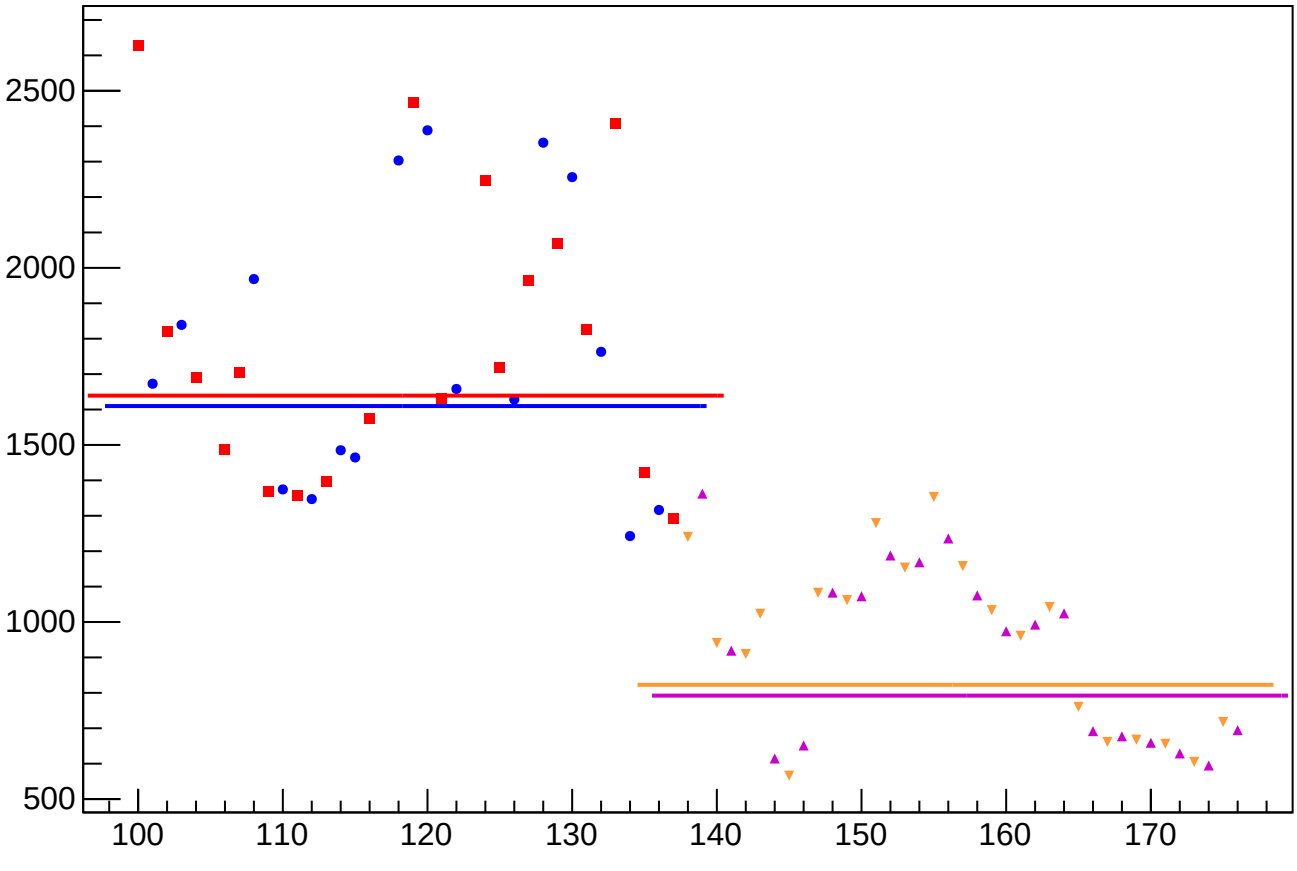
Left: -379.679+/-150.084 χ^2/NDF: 104.2/38

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 129.222+/-198.279 χ^2/NDF:48.2/34

Out: -753.443+/-203.052 χ^2/NDF:92.2/38

All: -301.614+/-141.862 χ^2/NDF: 150.0/73



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221064.6/19

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 792.174+/-0.148 χ^2/NDF:2142909.8/18

Left: 807.022+/-0.106 χ^2/NDF: 4384641.5/38

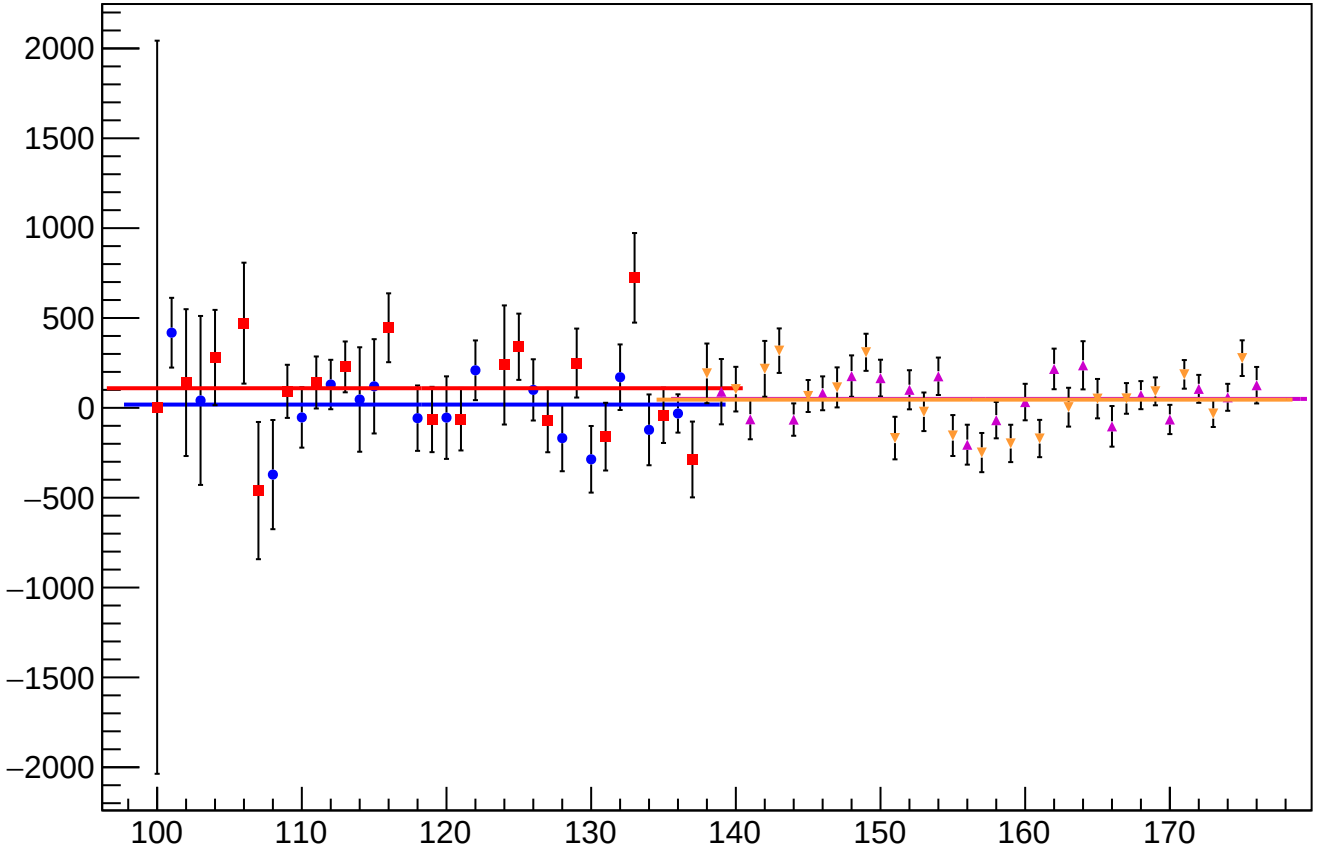
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 876.882+/-0.140 χ^2/NDF:5920276.4/34

Out: 912.263+/-0.144 χ^2/NDF:5899677.0/38

All: 894.152+/-0.100 χ^2/NDF: 11851037.4/73

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.751+/-22.722 χ^2/NDF:22.7/18

Left: 47.726+/-16.095 χ^2/NDF: 70.7/38

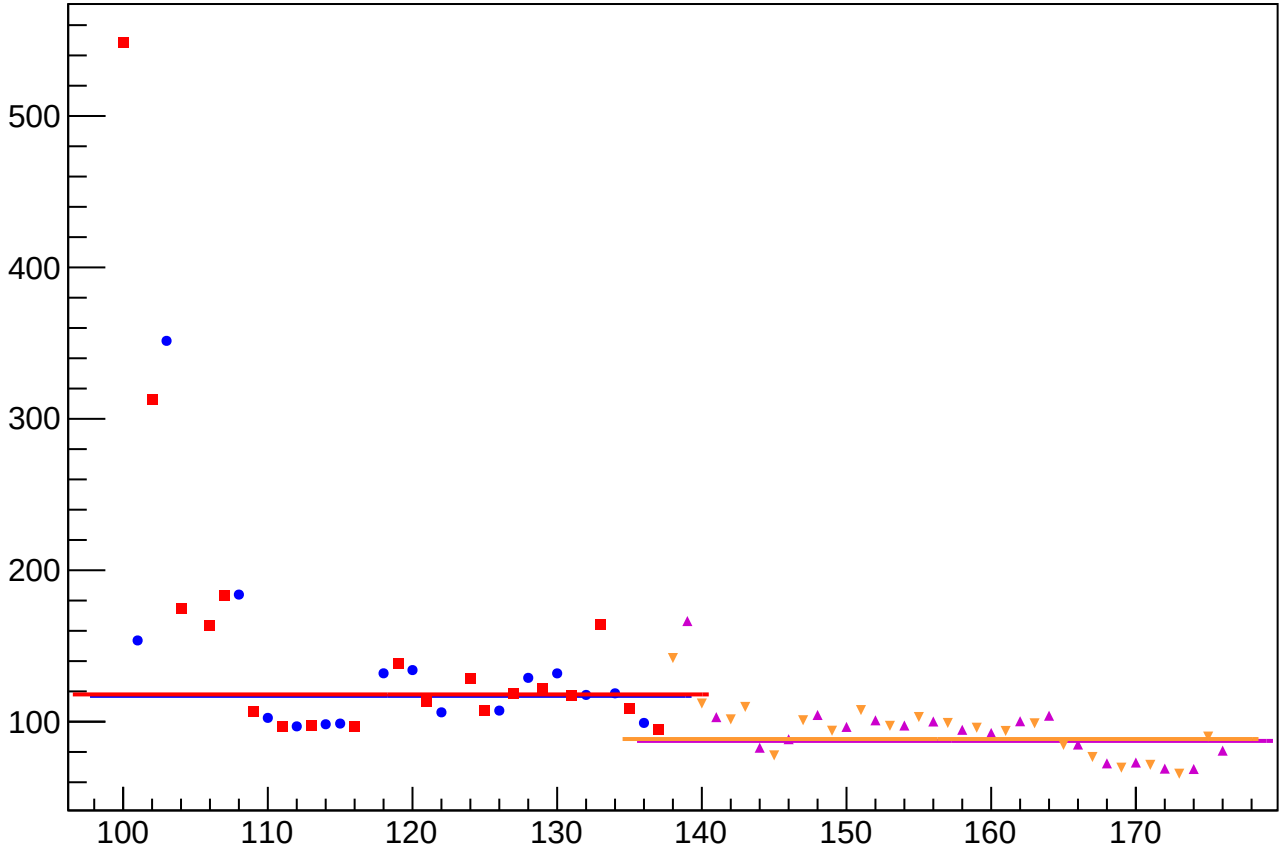
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 43.497+/-20.346 χ^2/NDF:37.0/34

Out: 58.281+/-20.415 χ^2/NDF:74.9/38

All: 50.864+/-14.411 χ^2/NDF: 112.2/73

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

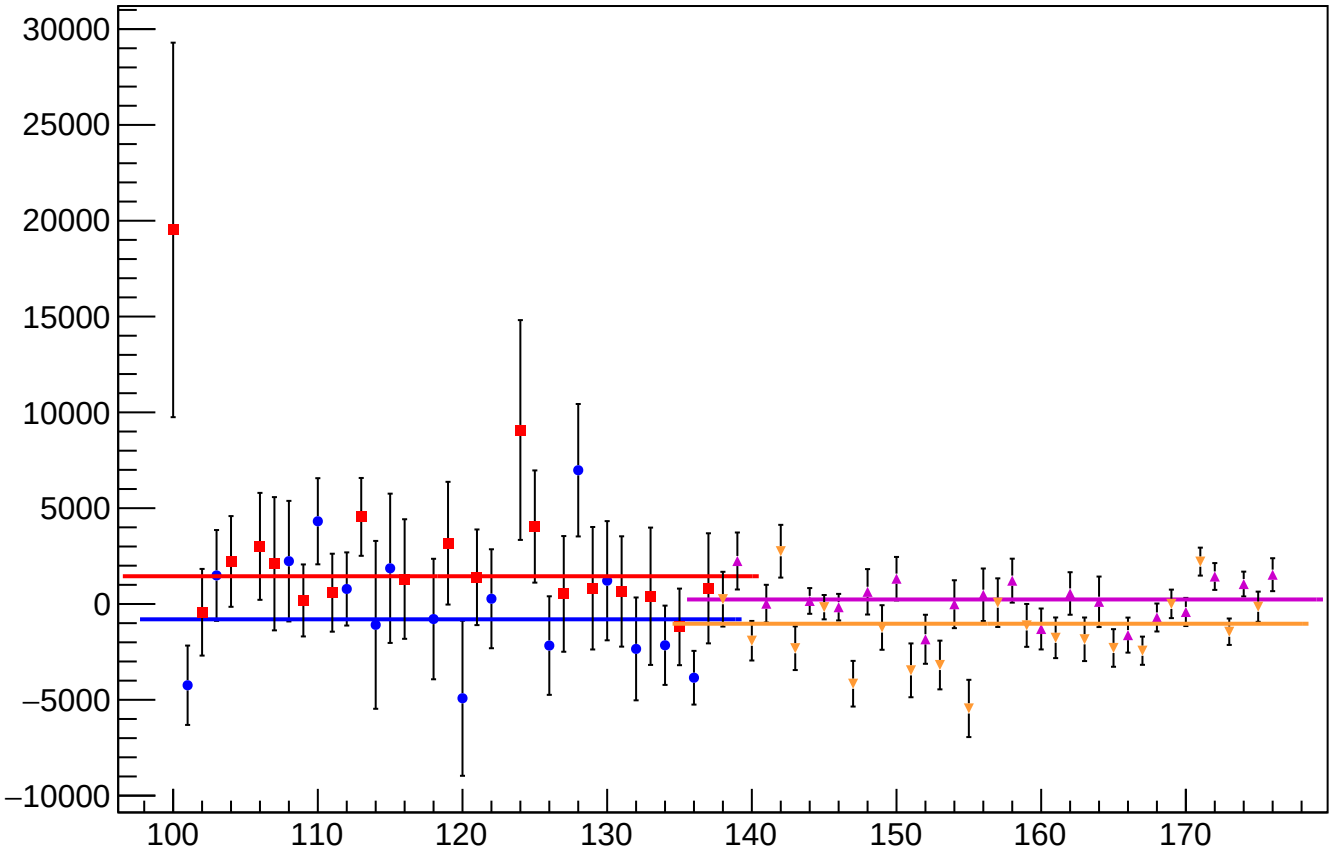
Left: 87.925+/-0.011 χ^2/NDF: 2015166.6/38

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.201+/-0.014 χ^2/NDF:2548664.1/34

Out: 94.396+/-0.014 χ^2/NDF:2650610.6/38

All: 93.796+/-0.010 χ^2/NDF: 5202708.7/73



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 236.524+/-209.424 χ^2/NDF:22.2/18

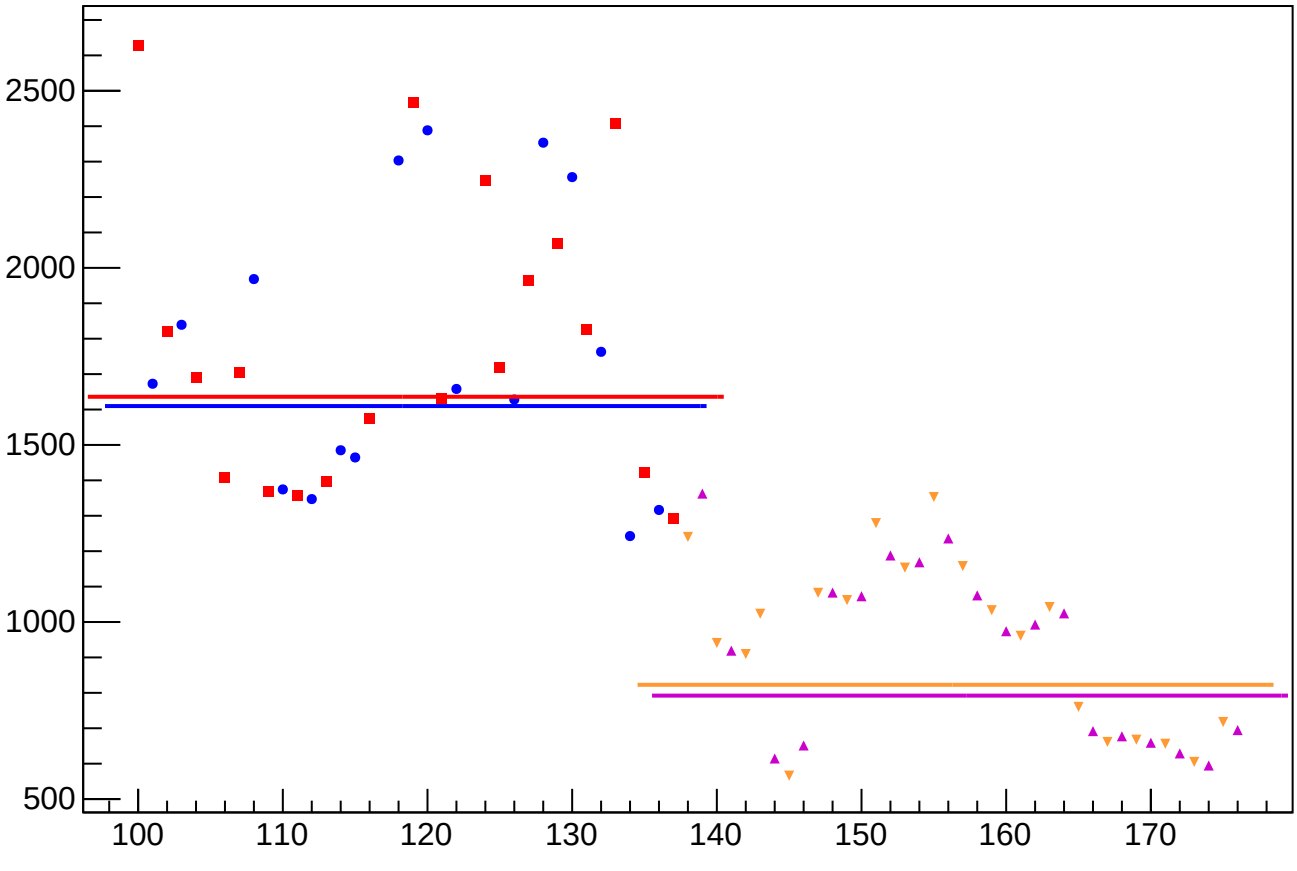
Left: -379.674+/-150.084 χ^2/NDF: 104.2/38

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 129.228+/-198.279 χ^2/NDF:48.2/34

Out: -759.483+/-203.100 χ^2/NDF:91.1/38

All: -304.453+/-141.878 χ^2/NDF: 149.1/73



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

Left: 807.022+/-0.106 χ^2/NDF: 4384642.5/38

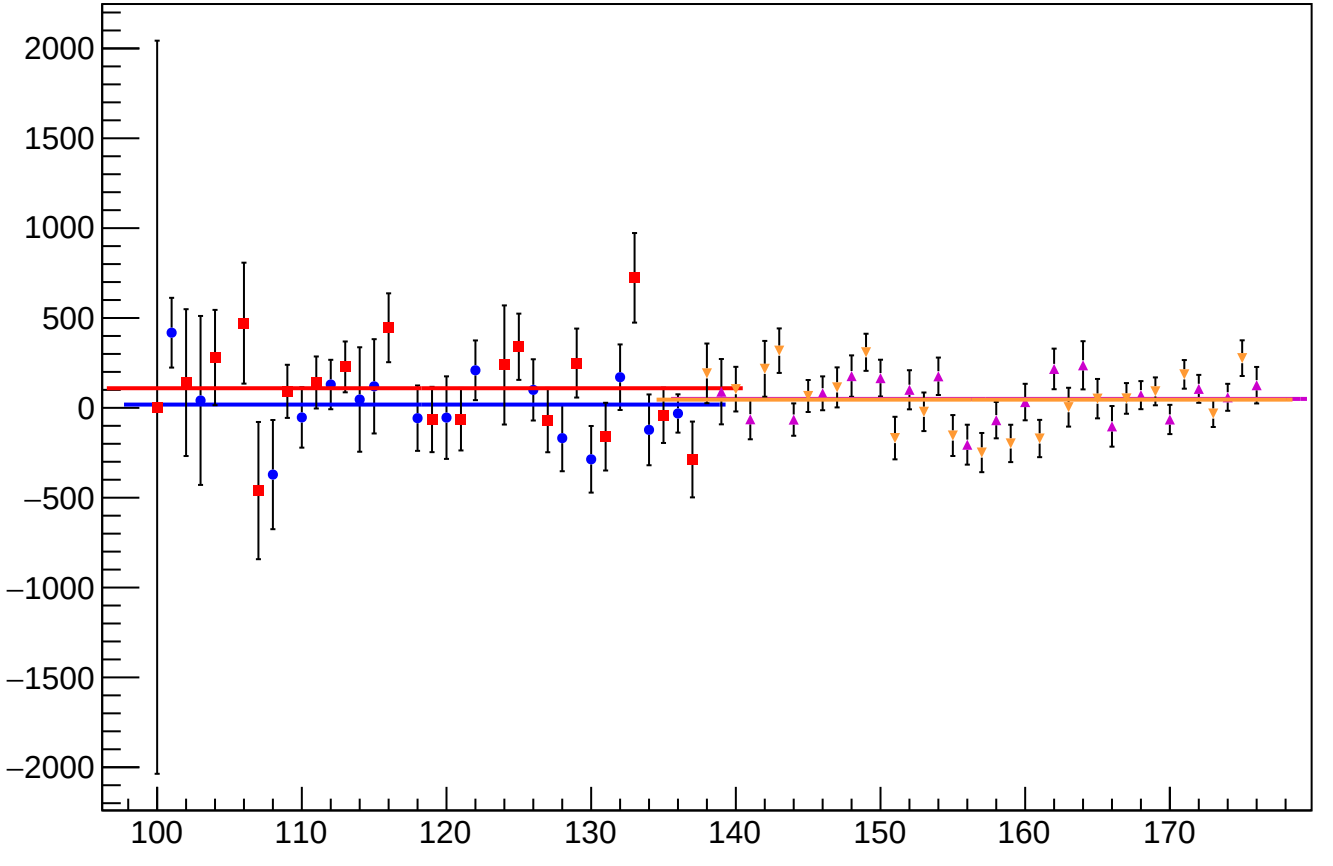
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 876.882+/-0.140 χ^2/NDF:5920334.7/34

Out: 911.564+/-0.144 χ^2/NDF:5870426.0/38

All: 893.807+/-0.100 χ^2/NDF: 11820621.8/73

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 45.686+/-22.803 χ^2/NDF:48.0/19

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.751+/-22.722 χ^2/NDF:22.7/18

Left: 47.726+/-16.095 χ^2/NDF: 70.7/38

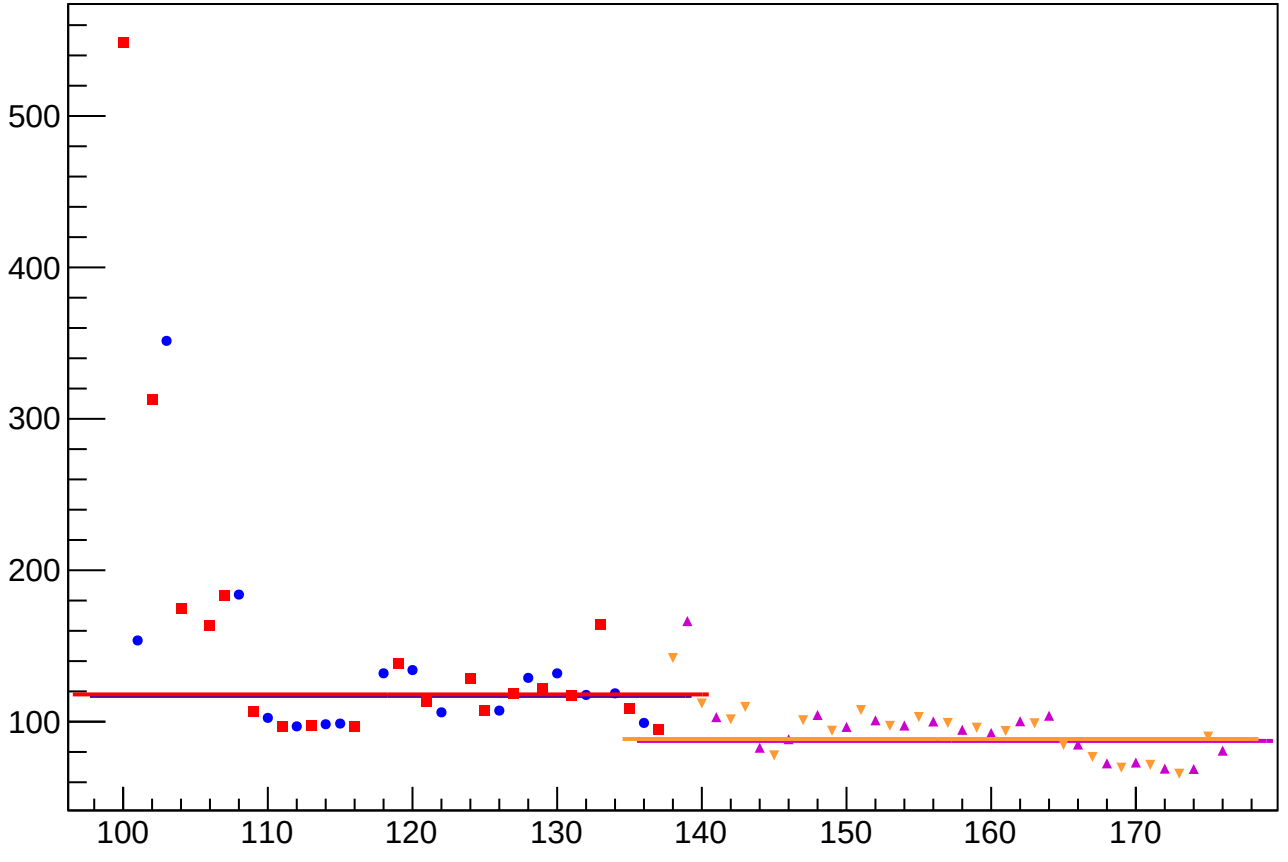
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 43.497+/-20.346 χ^2/NDF:37.0/34

Out: 58.281+/-20.415 χ^2/NDF:74.9/38

All: 50.864+/-14.411 χ^2/NDF: 112.2/73

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.550+/-0.016 χ^2/NDF:1001780.4/19

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

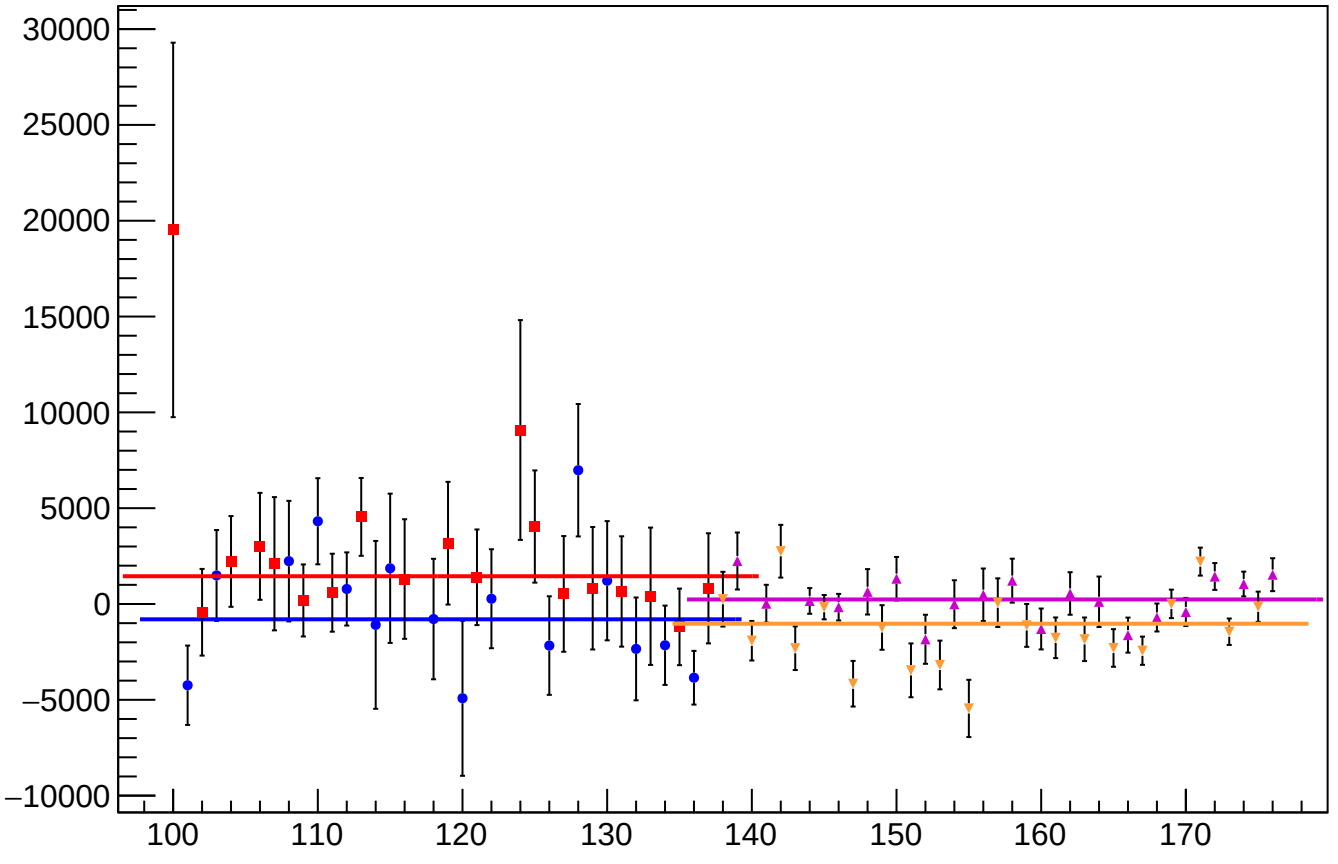
Left: 87.925+/-0.011 χ^2/NDF: 2015166.6/38

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.201+/-0.014 χ^2/NDF:2548664.1/34

Out: 94.396+/-0.014 χ^2/NDF:2650610.6/38

All: 93.796+/-0.010 χ^2/NDF: 5202708.7/73



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1030.309+/-215.197 χ^2/NDF:64.2/19

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 236.524+/-209.424 χ^2/NDF:22.2/18

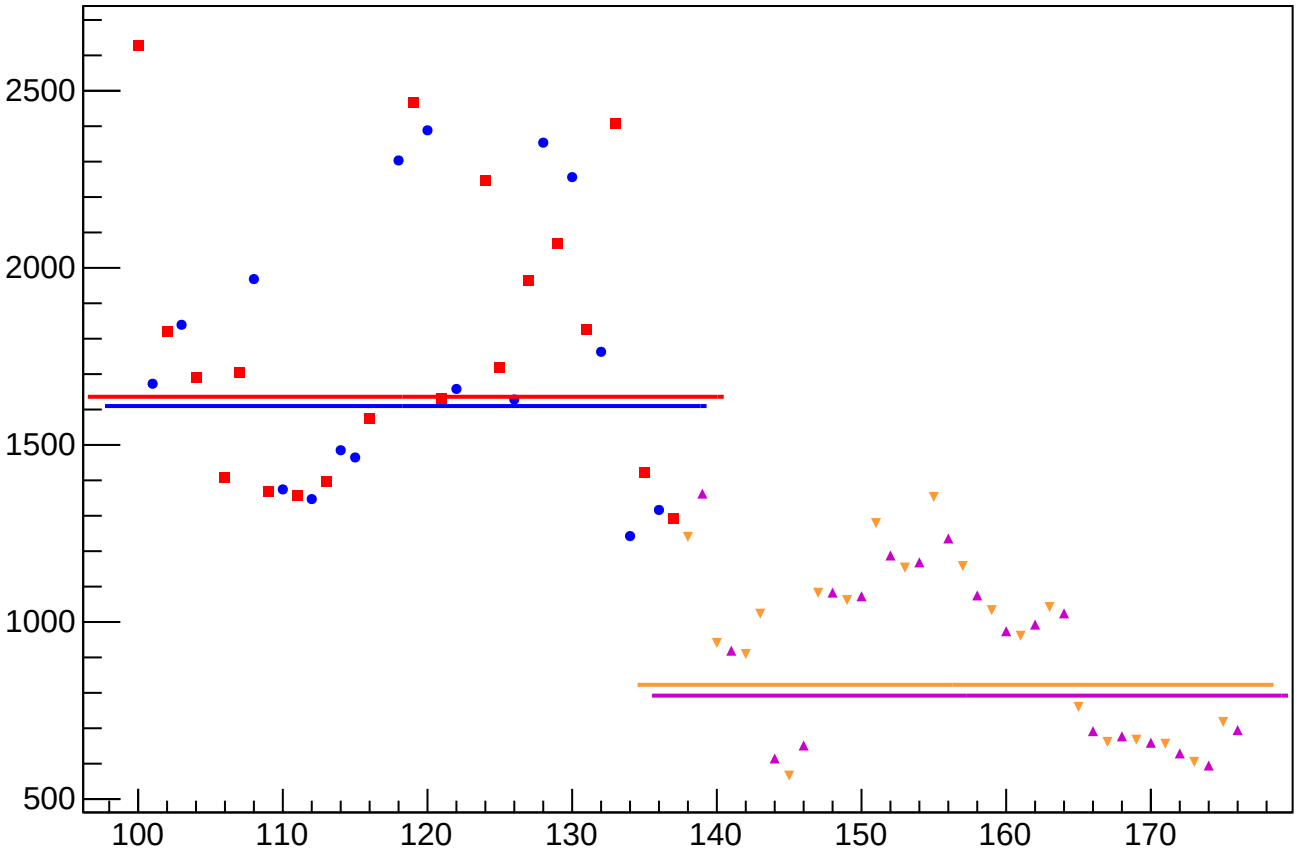
Left: -379.674+/-150.084 χ^2/NDF: 104.2/38

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 129.228+/-198.279 χ^2/NDF:48.2/34

Out: -759.483+/-203.100 χ^2/NDF:91.1/38

All: -304.453+/-141.878 χ^2/NDF: 149.1/73



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 822.699+/-0.152 χ^2/NDF:2221067.4/19

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

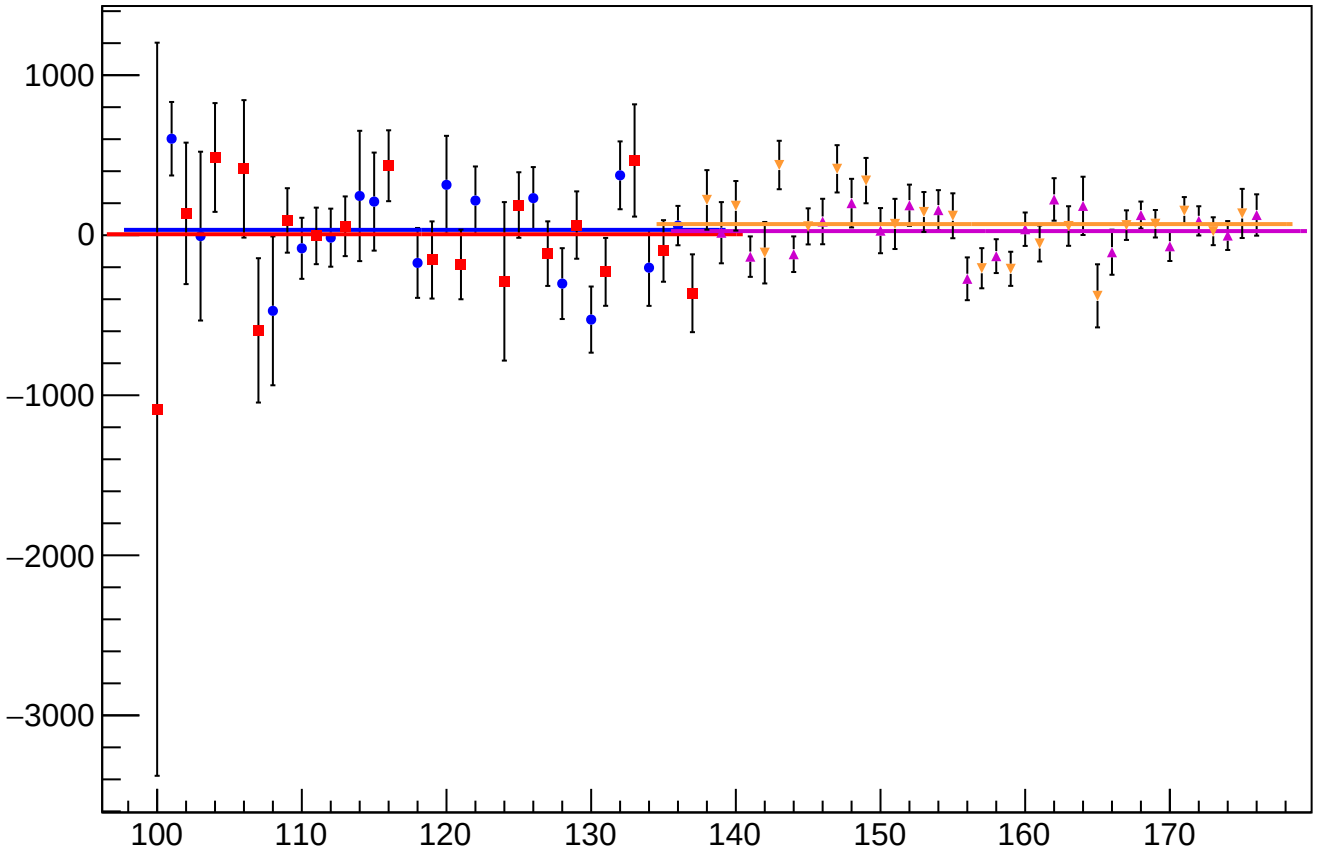
Left: 807.022+/-0.106 χ^2/NDF: 4384642.5/38

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 876.882+/-0.140 χ^2/NDF:5920334.7/34

Out: 911.564+/-0.144 χ^2/NDF:5870426.0/38

All: 893.807+/-0.100 χ^2/NDF: 11820621.8/73



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.497+/-27.154 χ^2/NDF:37.1/19

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 25.761+/-26.980 χ^2/NDF:22.1/18

Left: 47.489+/-19.139 χ^2/NDF: 60.6/38

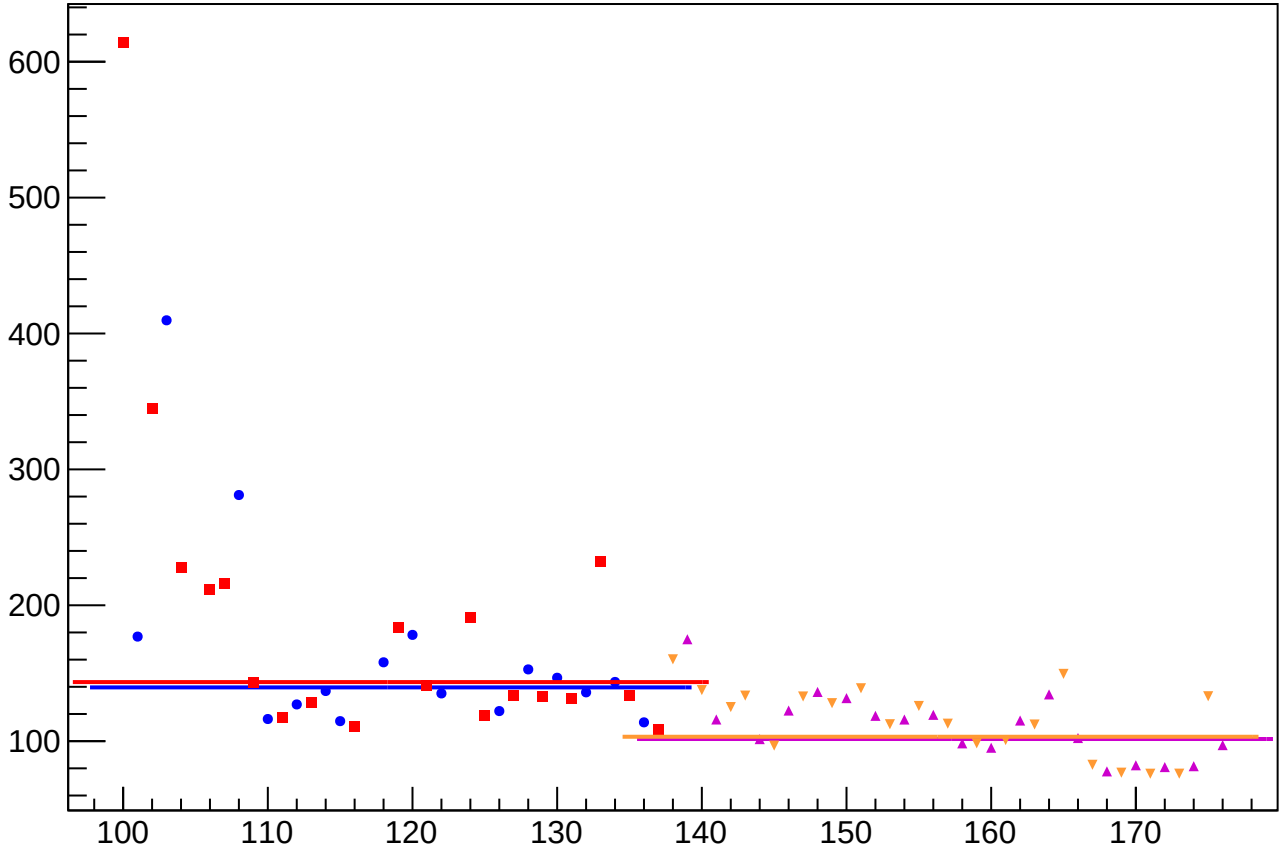
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 27.260+/-24.215 χ^2/NDF:47.3/34

Out: 57.462+/-24.440 χ^2/NDF:55.5/38

All: 42.221+/-17.202 χ^2/NDF: 103.6/73

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604509.4/19

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 101.592+/-0.019 χ^2/NDF:1202223.1/18

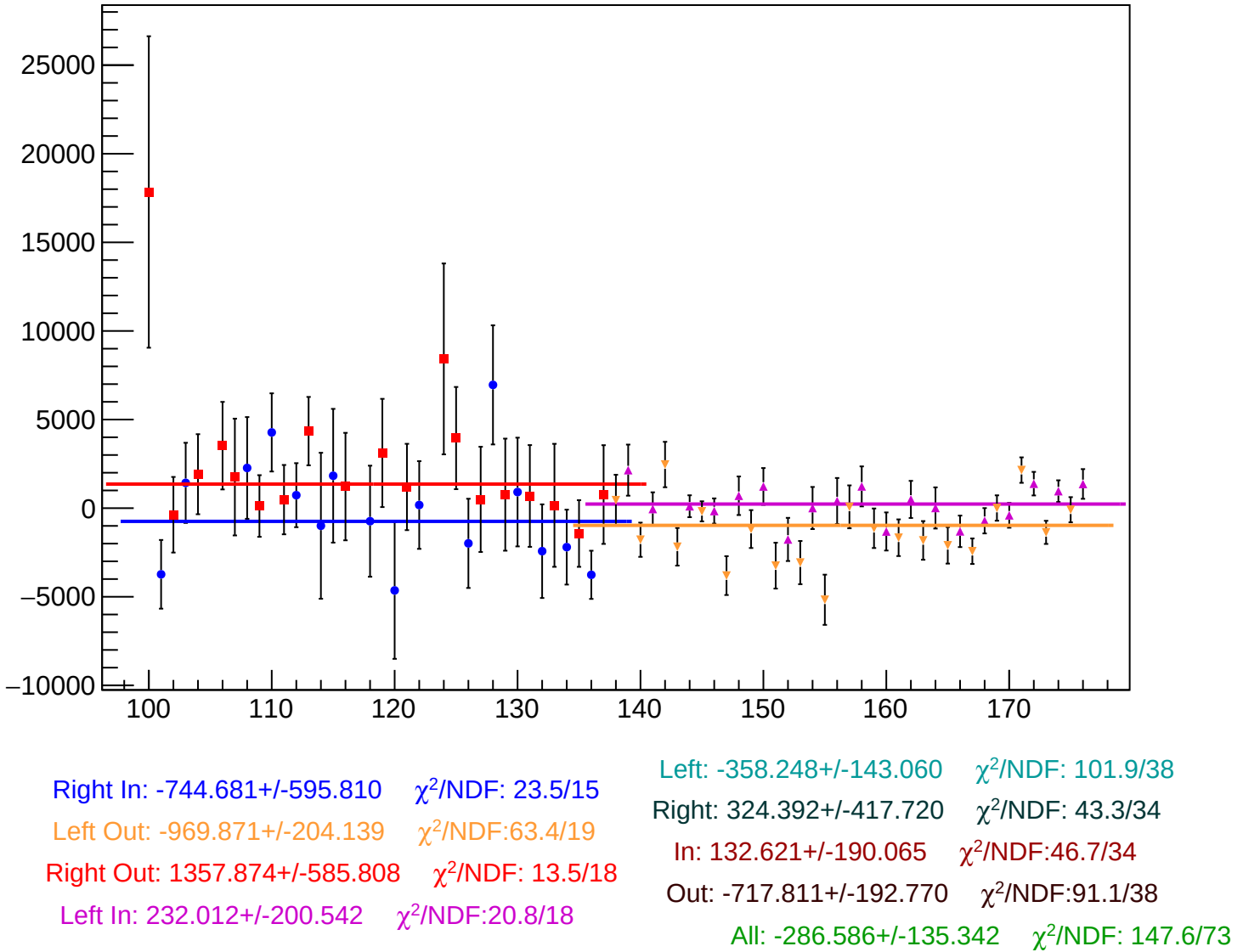
Left: 102.417+/-0.014 χ^2/NDF: 2810495.5/38

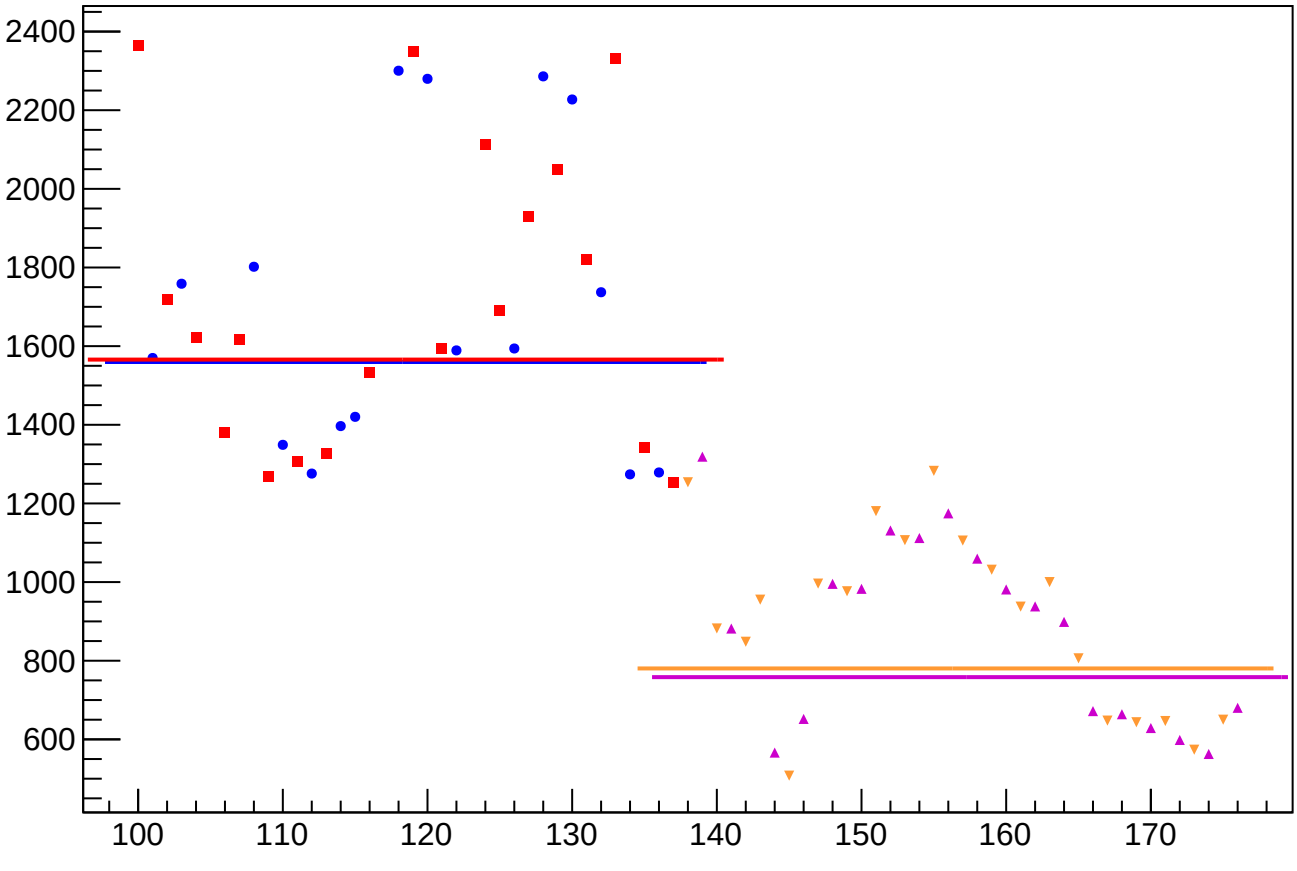
Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 108.978+/-0.017 χ^2/NDF:2949519.4/34

Out: 110.890+/-0.017 χ^2/NDF:3554556.5/38

All: 109.925+/-0.012 χ^2/NDF: 6510254.3/73


asym_sam3_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -744.681+/-595.810 χ²/NDF: 23.5/15
Left Out: -969.871+/-204.139 χ²/NDF:63.4/19
Right Out: 1357.874+/-585.808 χ²/NDF: 13.5/18
Left In: 232.012+/-200.542 χ²/NDF:20.8/18
Left: -358.248+/-143.060 χ²/NDF: 101.9/38
Right: 324.392+/-417.720 χ²/NDF: 43.3/34
In: 132.621+/-190.065 χ²/NDF:46.7/34
Out: -717.811+/-192.770 χ²/NDF:91.1/38
All: -286.586+/-135.342 χ²/NDF: 147.6/73



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 780.369+/-0.144 χ^2/NDF:2346346.5/19

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 758.262+/-0.142 χ^2/NDF:2108253.9/18

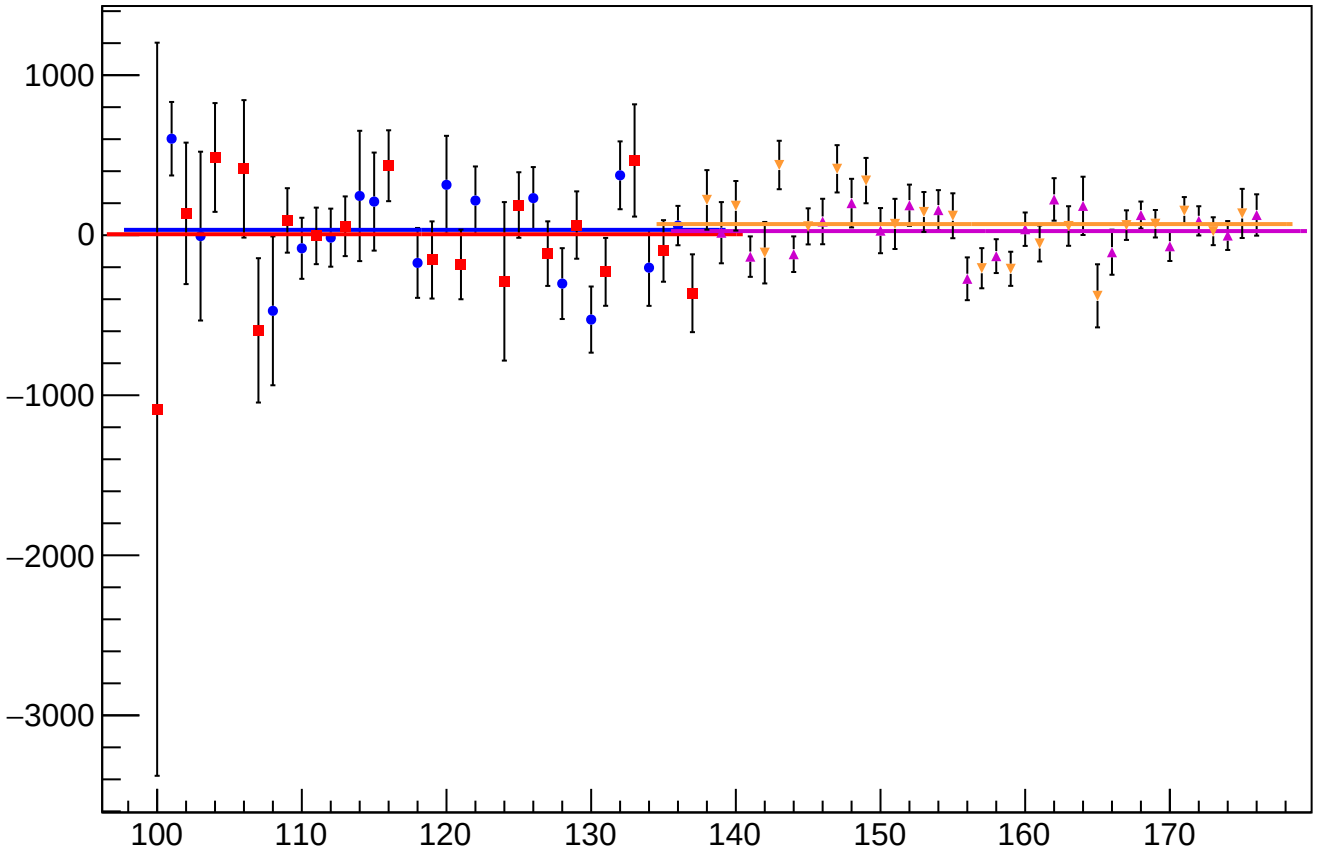
Left: 769.119+/-0.101 χ^2/NDF: 4466535.8/38

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 839.822+/-0.134 χ^2/NDF:5963215.0/34

Out: 865.420+/-0.136 χ^2/NDF:6116246.9/38

All: 852.440+/-0.096 χ^2/NDF: 12097344.0/73



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 69.498+/-27.154 χ^2/NDF:37.1/19

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 25.759+/-26.981 χ^2/NDF:22.1/18

Left: 47.489+/-19.139 χ^2/NDF: 60.6/38

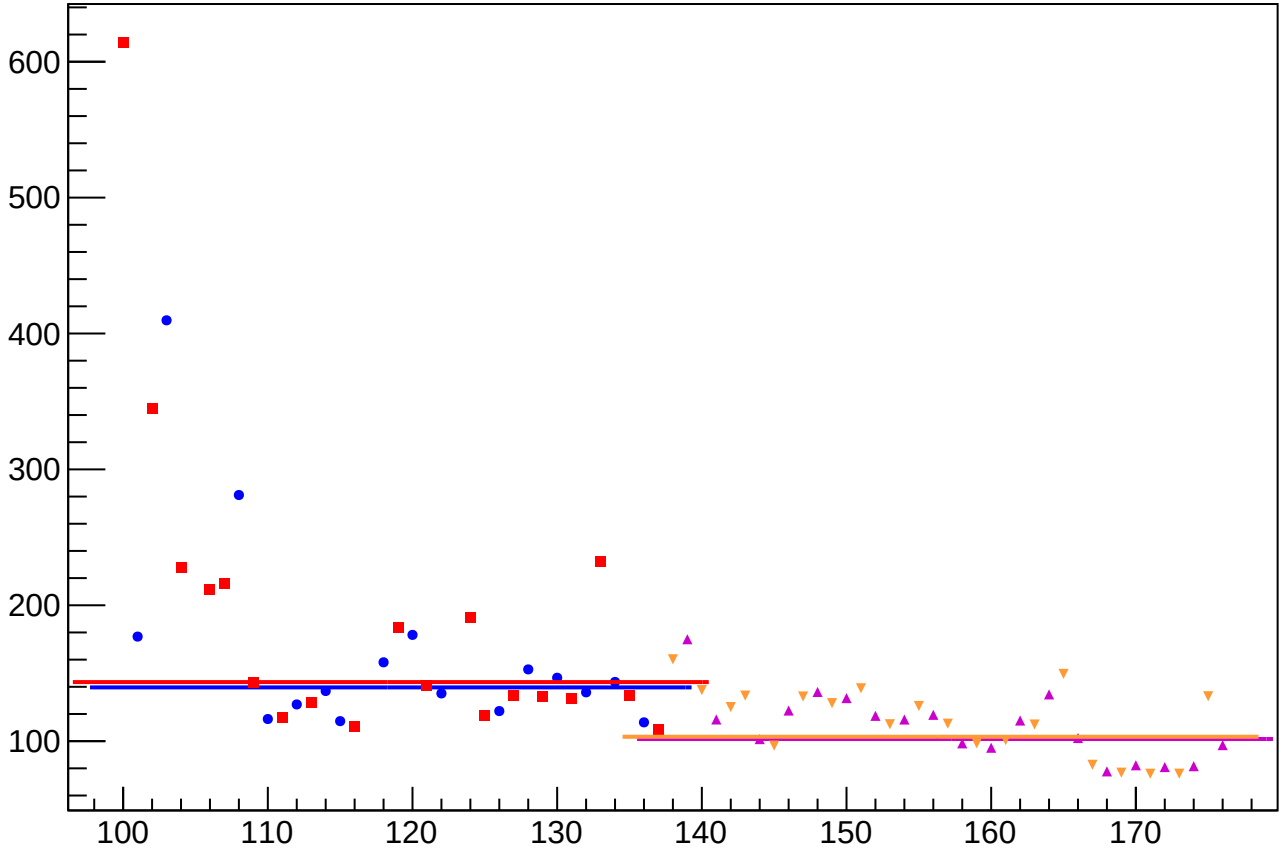
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 27.259+/-24.215 χ^2/NDF:47.3/34

Out: 57.462+/-24.440 χ^2/NDF:55.5/38

All: 42.221+/-17.202 χ^2/NDF: 103.6/73

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 103.253+/-0.019 χ^2/NDF:1604535.1/19

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.593+/-0.019 χ^2/NDF:1202237.9/18

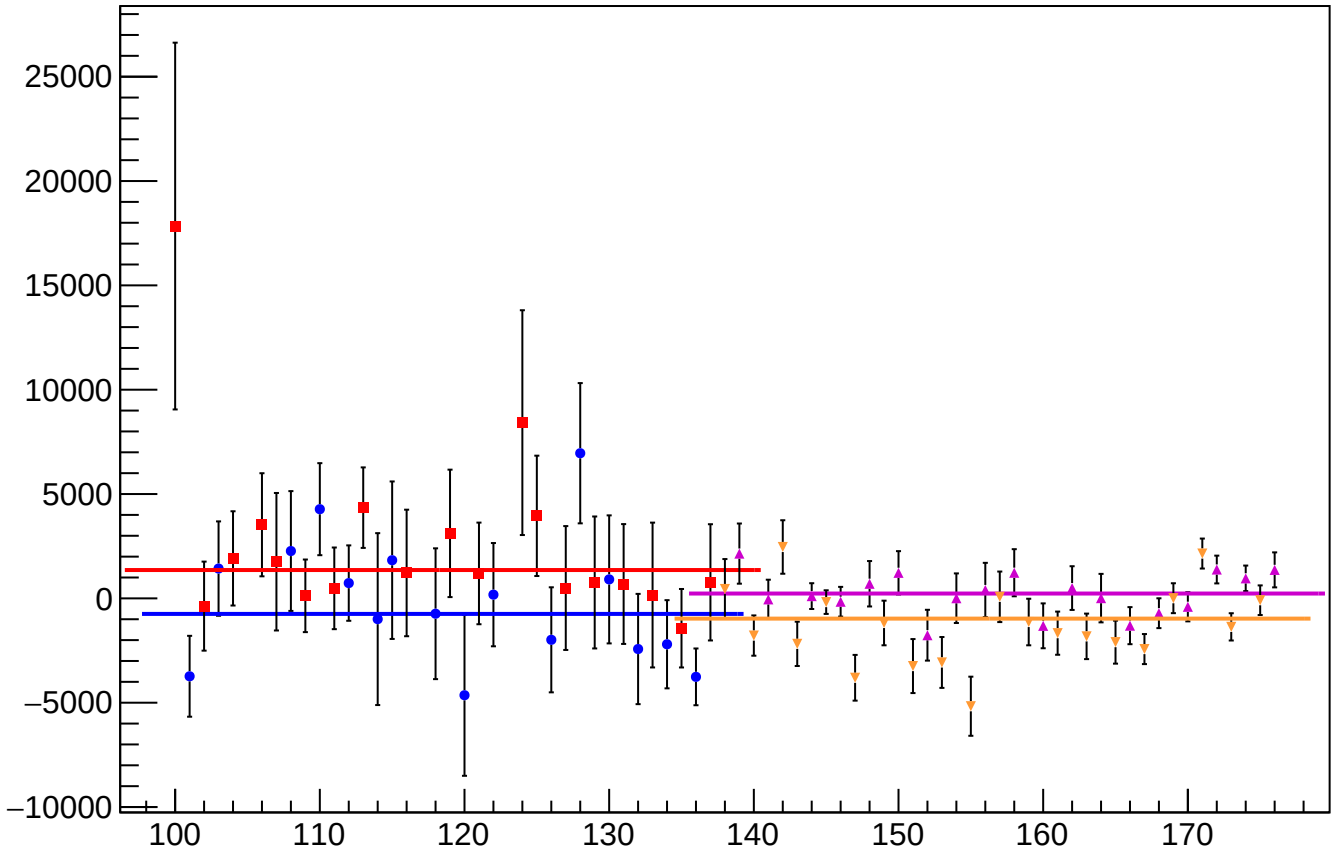
Left: 102.418+/-0.014 χ^2/NDF: 2810536.1/38

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 108.978+/-0.017 χ^2/NDF:2949531.8/34

Out: 110.891+/-0.017 χ^2/NDF:3554589.6/38

All: 109.926+/-0.012 χ^2/NDF: 6510300.0/73



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -969.871+/-204.139 χ^2/NDF:63.4/19

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 232.011+/-200.542 χ^2/NDF:20.8/18

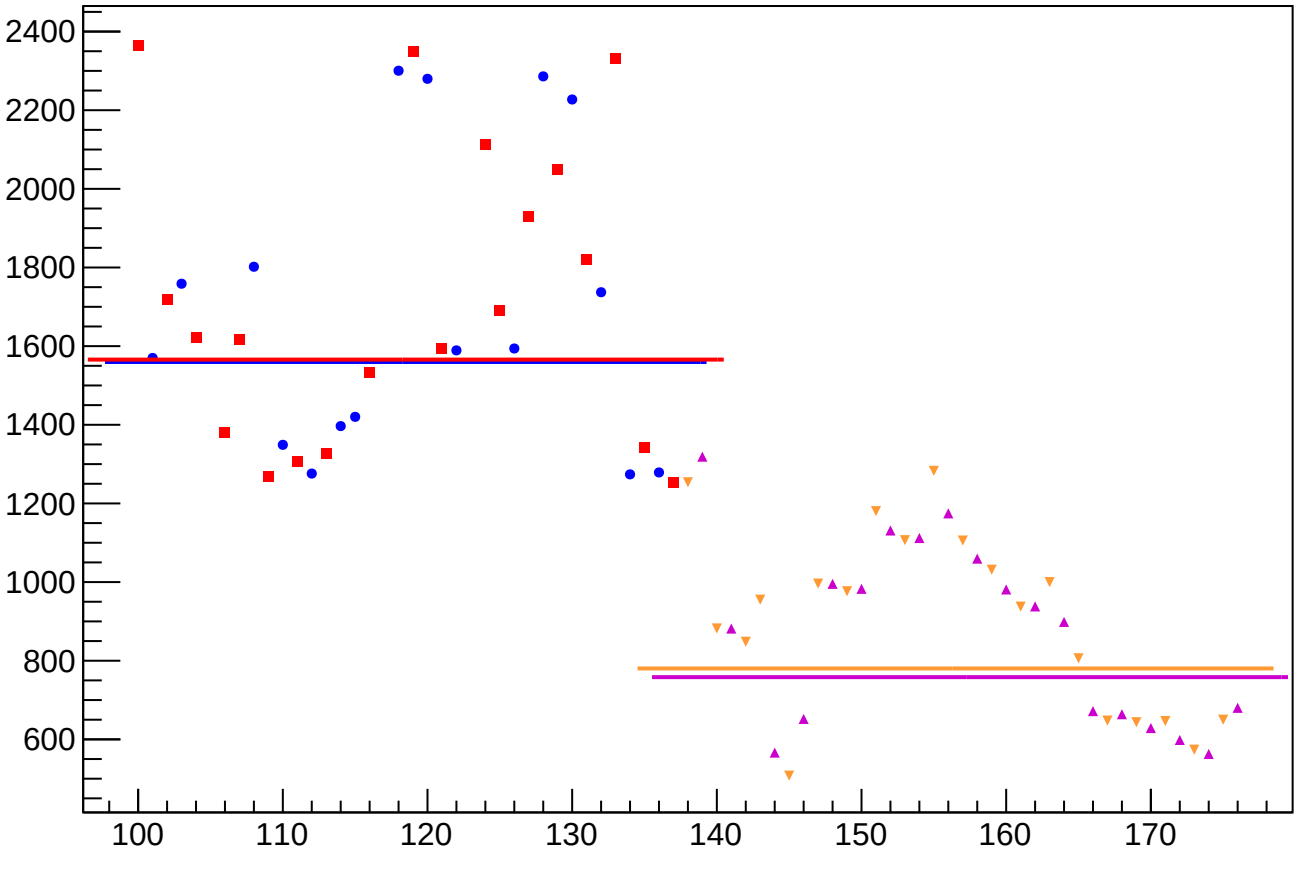
Left: -358.248+/-143.059 χ^2/NDF: 101.9/38

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 132.621+/-190.065 χ^2/NDF:46.7/34

Out: -717.811+/-192.770 χ^2/NDF:91.1/38

All: -286.586+/-135.342 χ^2/NDF: 147.6/73



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 780.368+/-0.144 χ^2/NDF:2346340.7/19

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 758.262+/-0.142 χ^2/NDF:2108248.9/18

Left: 769.118+/-0.101 χ^2/NDF: 4466525.1/38

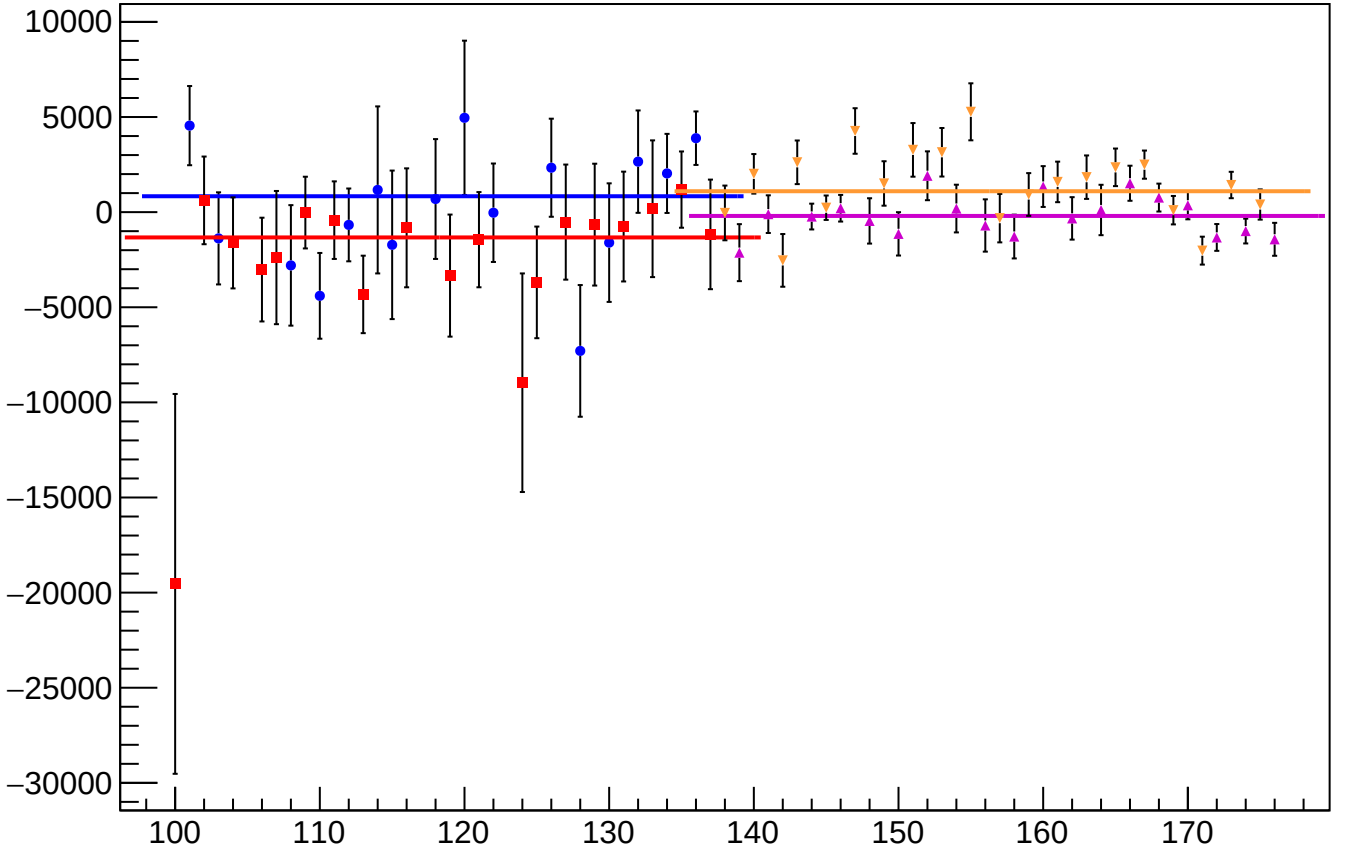
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 839.821+/-0.134 χ^2/NDF:5963209.7/34

Out: 865.419+/-0.136 χ^2/NDF:6116235.9/38

All: 852.439+/-0.096 χ^2/NDF: 12097327.9/73

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1098.898+/-216.551 χ^2/NDF:59.7/19

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -199.772+/-210.822 χ^2/NDF:20.6/18

Left: 432.156+/-151.058 χ^2/NDF: 98.7/38

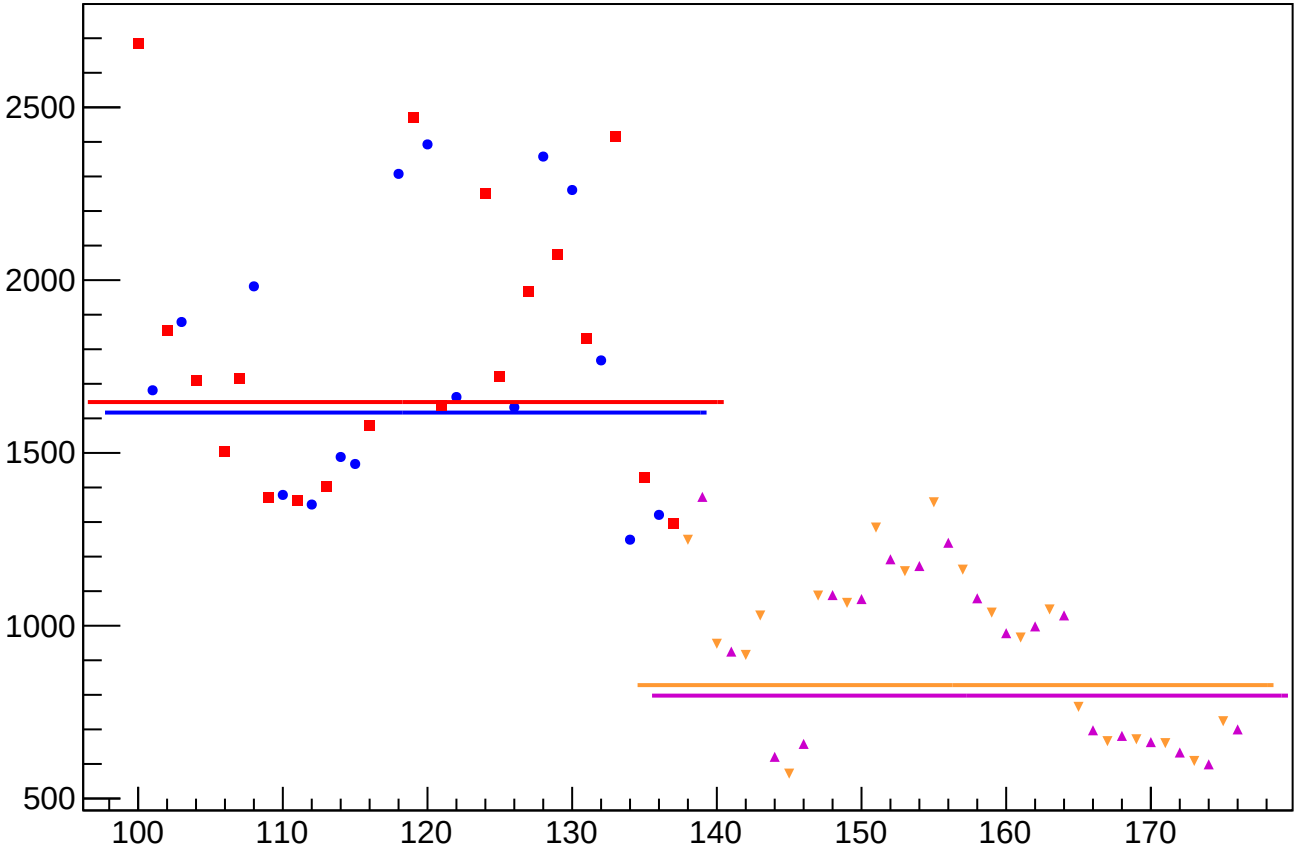
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -92.097+/-199.557 χ^2/NDF:48.0/34

Out: 832.123+/-204.311 χ^2/NDF:85.6/38

All: 359.137+/-142.759 χ^2/NDF: 144.0/73

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 828.139+/-0.153 χ^2/NDF:2200330.2/19

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.742+/-0.149 χ^2/NDF:2122469.9/18

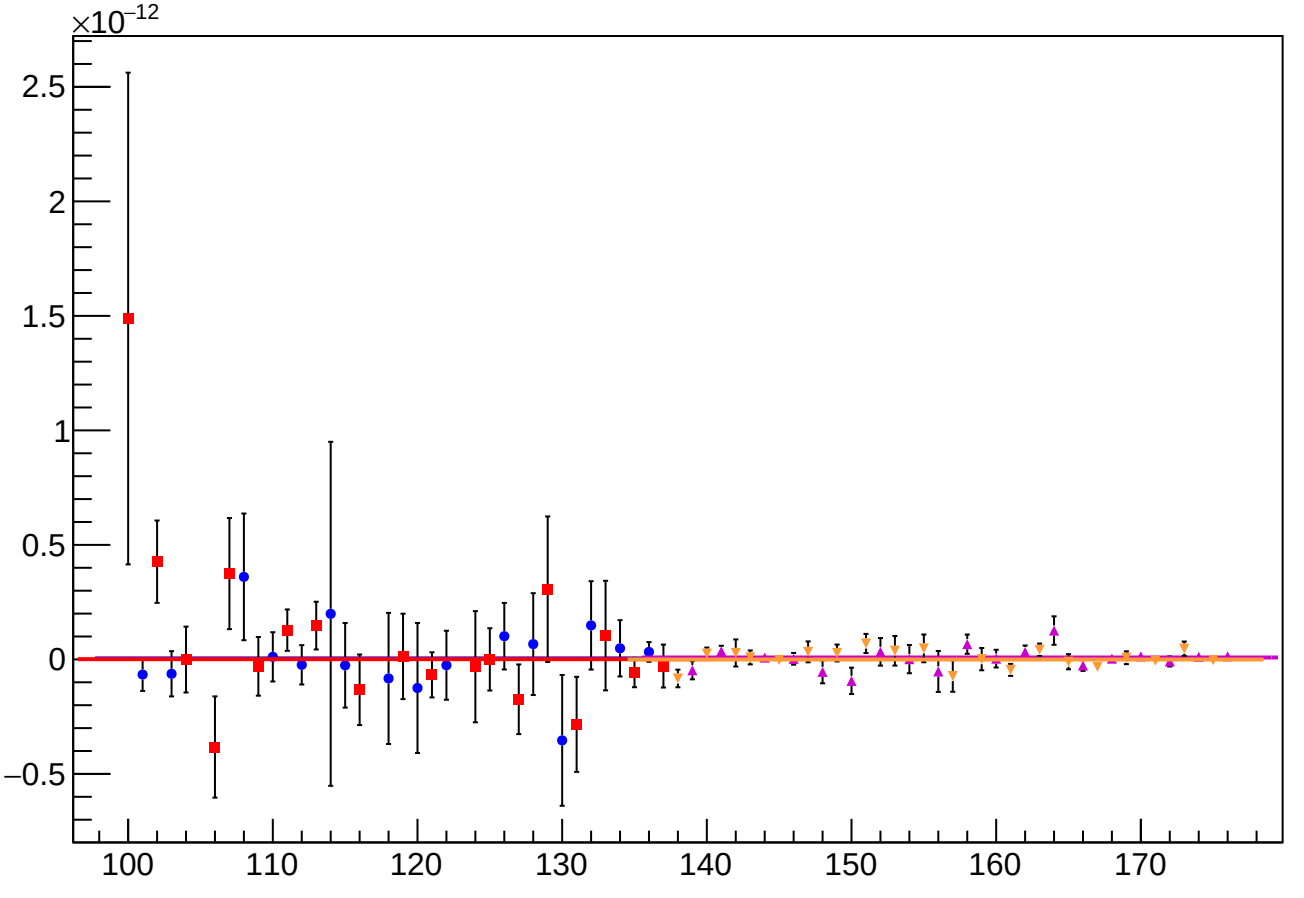
Left: 812.533+/-0.107 χ^2/NDF: 4343030.9/38

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 882.930+/-0.141 χ^2/NDF:5884491.6/34

Out: 918.119+/-0.144 χ^2/NDF:5867509.2/38

All: 900.111+/-0.101 χ^2/NDF: 11782363.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/18

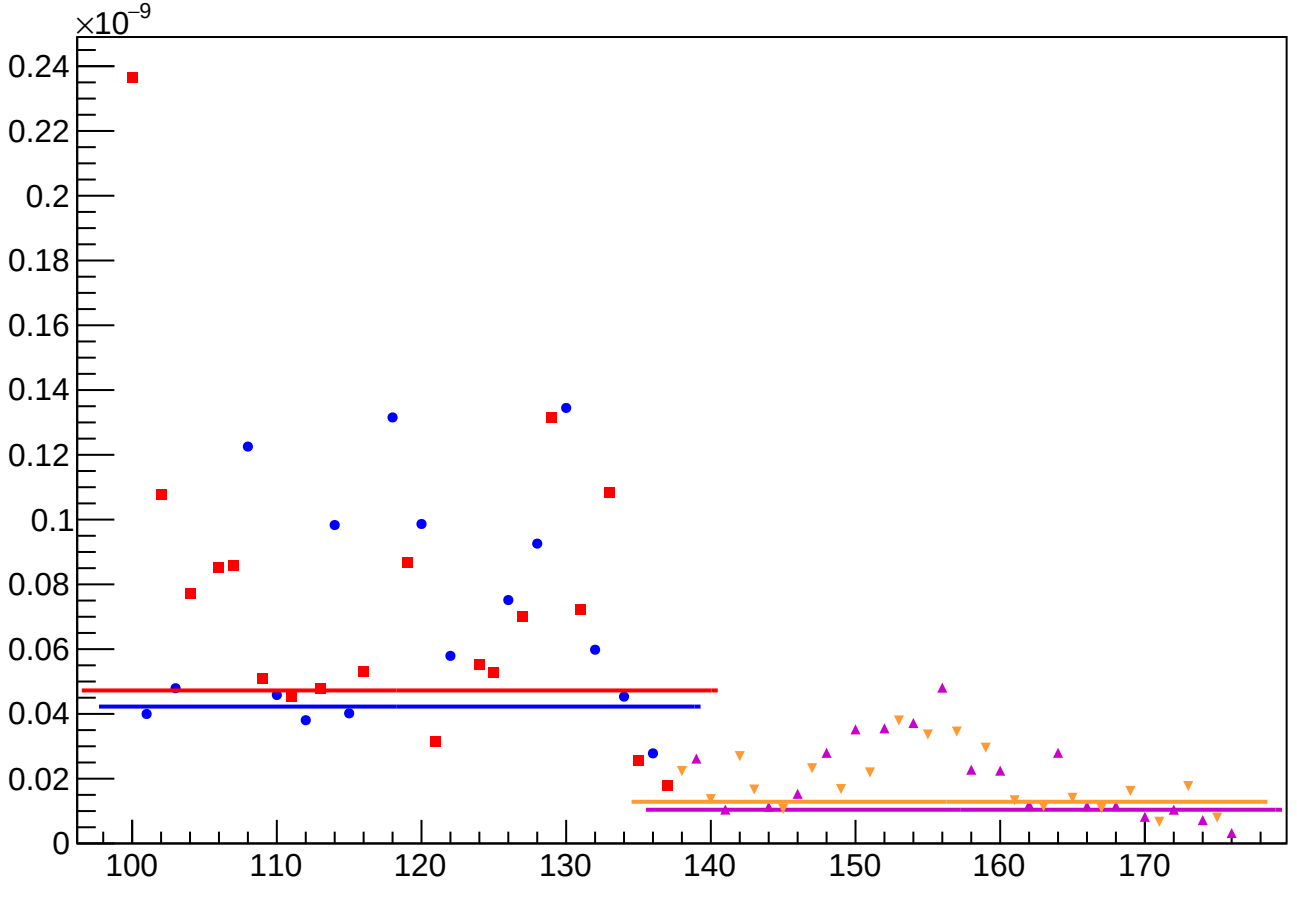
Left: 0.000+/-0.000 χ^2/NDF: 41.9/38

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.9/34

Out: -0.000+/-0.000 χ^2/NDF:46.1/38

All: 0.000+/-0.000 χ^2/NDF: 72.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2130604.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3588894.1/18

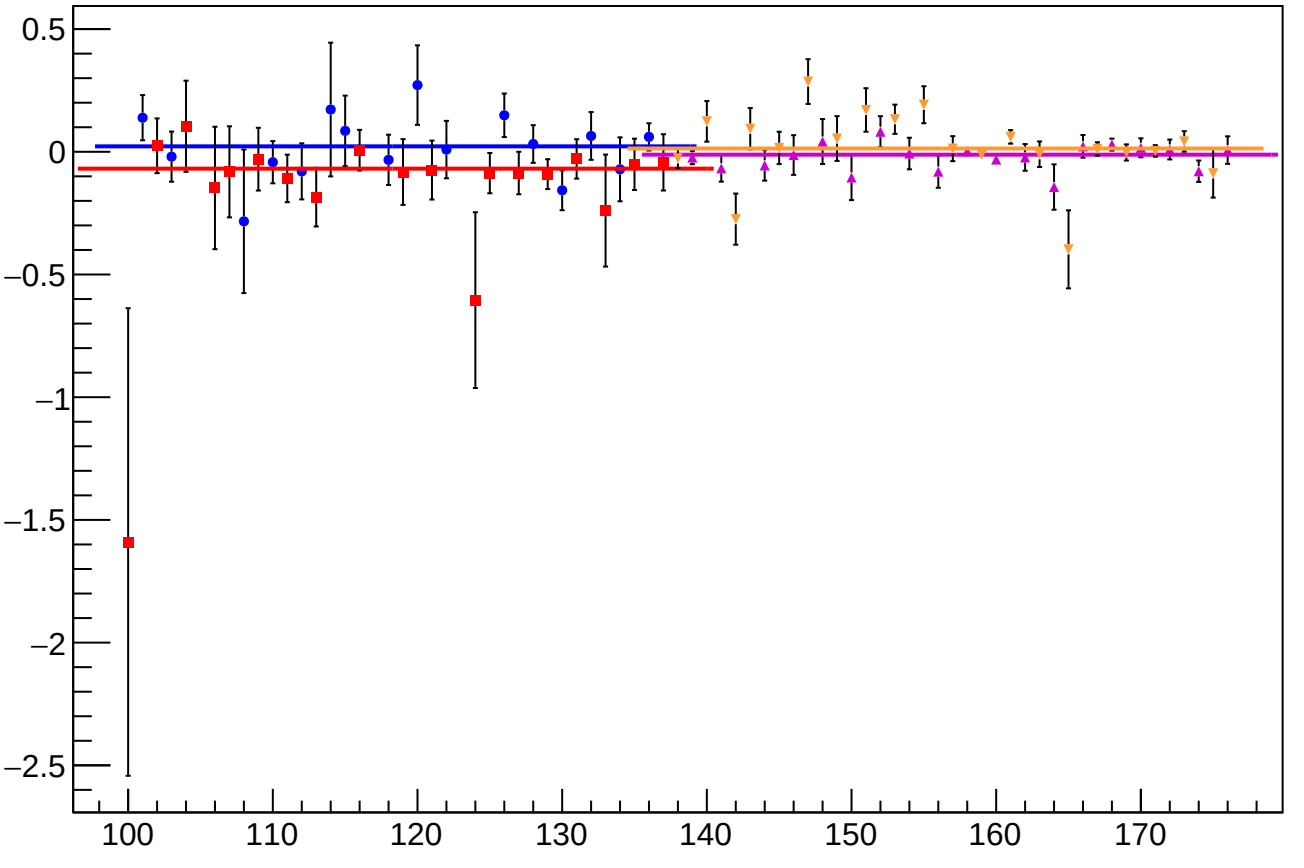
Left: 0.000+/-0.000 χ^2/NDF: 5900909.6/38

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7365559.5/34

Out: 0.000+/-0.000 χ^2/NDF:6016741.2/38

All: 0.000+/-0.000 χ^2/NDF: 13583368.5/73



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

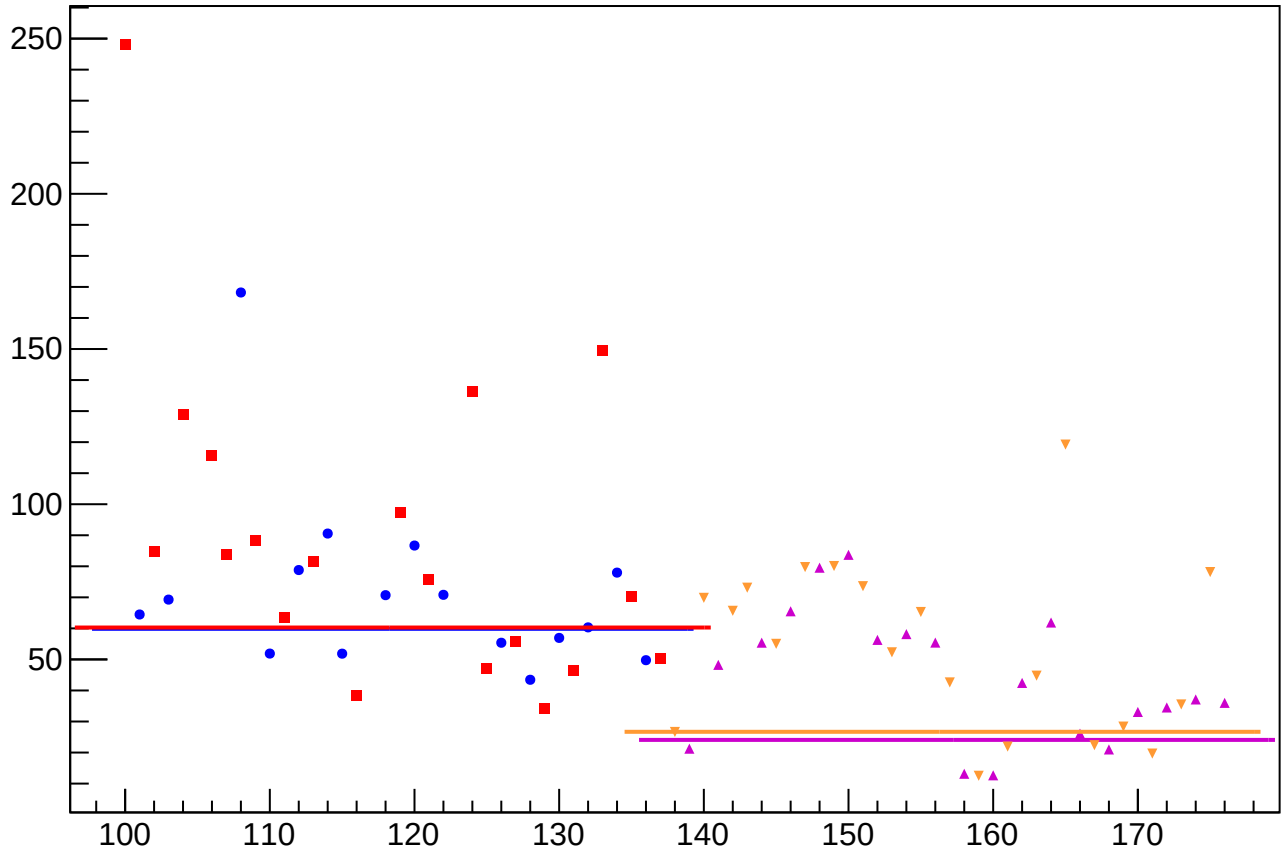
Left: -0.000+/-0.006 χ^2/NDF: 69.5/38

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/73



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

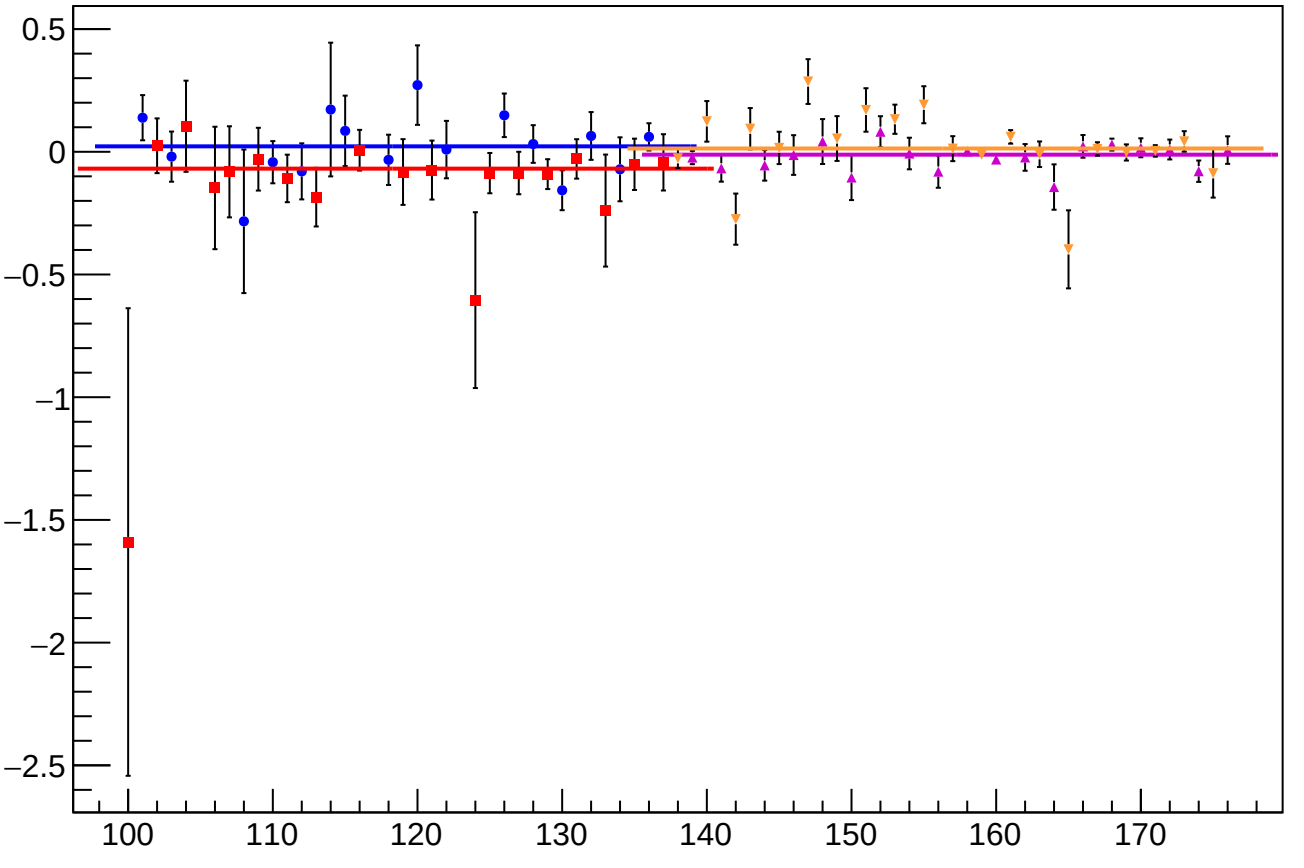
Left: 25.272+/-0.004 χ^2/NDF: 16004626.4/38

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.515+/-0.005 χ^2/NDF:12078431.1/34

Out: 30.269+/-0.006 χ^2/NDF:13465205.0/38

All: 28.787+/-0.004 χ^2/NDF: 25663354.8/73



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

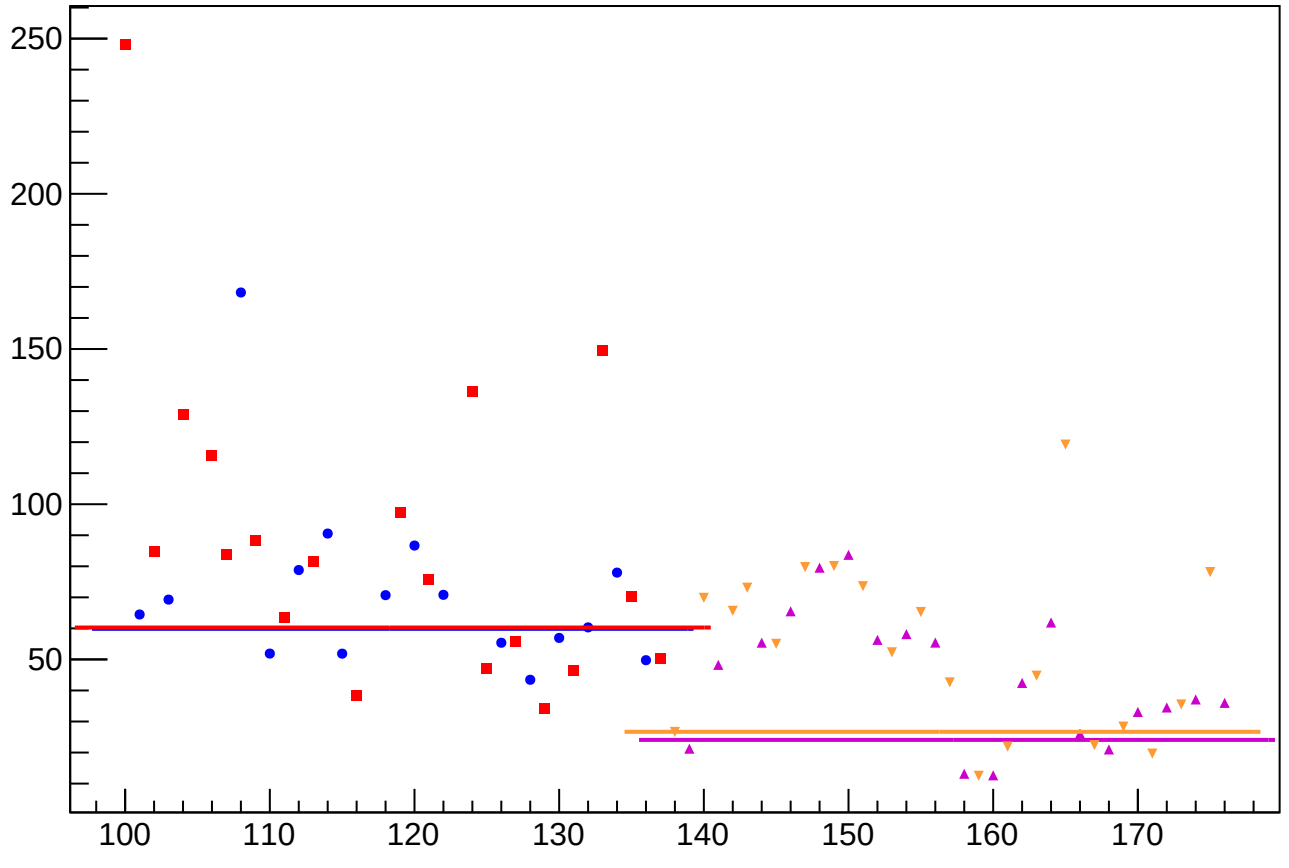
Left: -0.000+/-0.006 χ^2/NDF: 69.5/38

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/73



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.684+/-0.006 χ^2/NDF:8332555.7/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

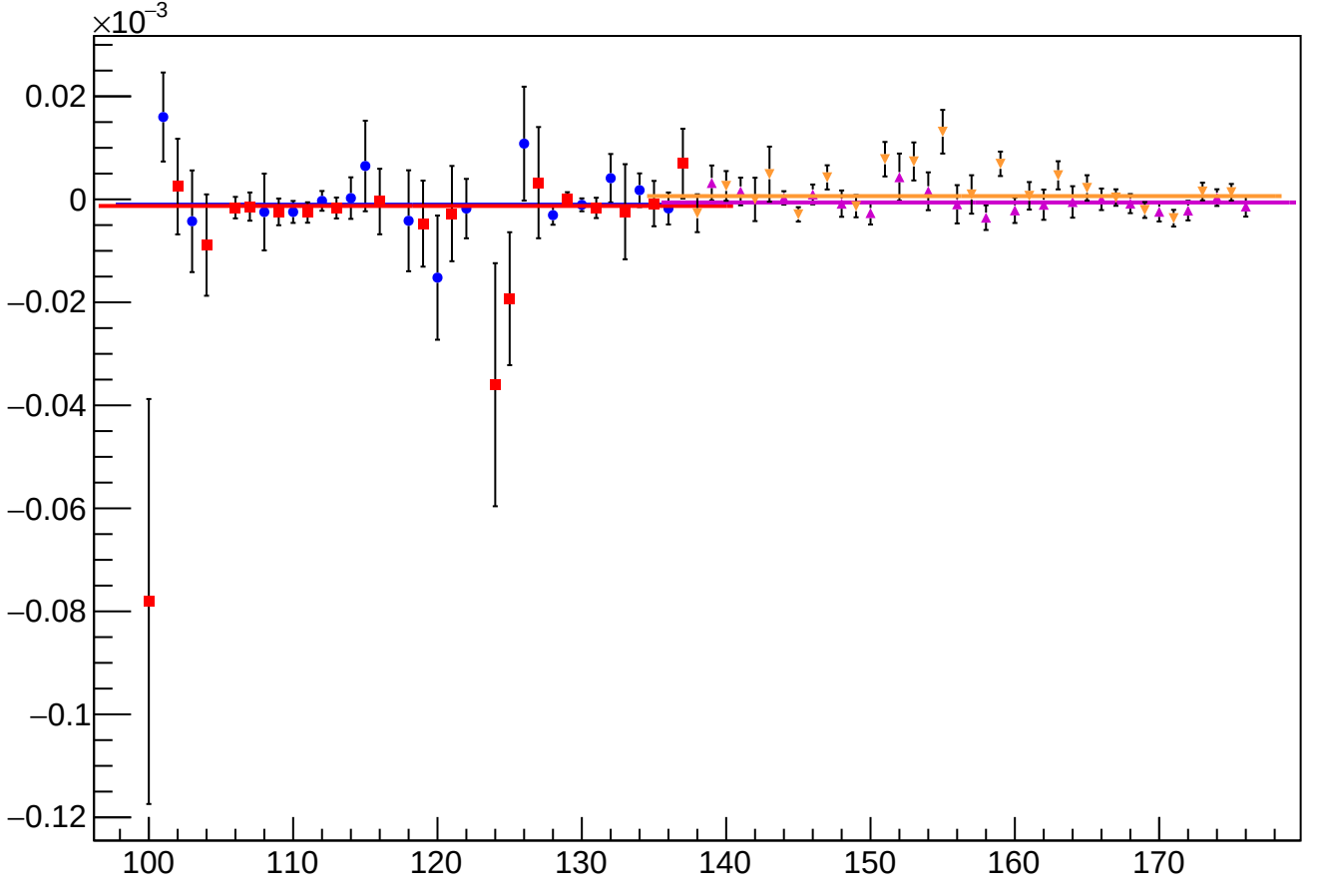
Left: 25.272+/-0.004 χ^2/NDF: 16004626.4/38

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.515+/-0.005 χ^2/NDF:12078431.1/34

Out: 30.269+/-0.006 χ^2/NDF:13465205.0/38

All: 28.787+/-0.004 χ^2/NDF: 25663354.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/18

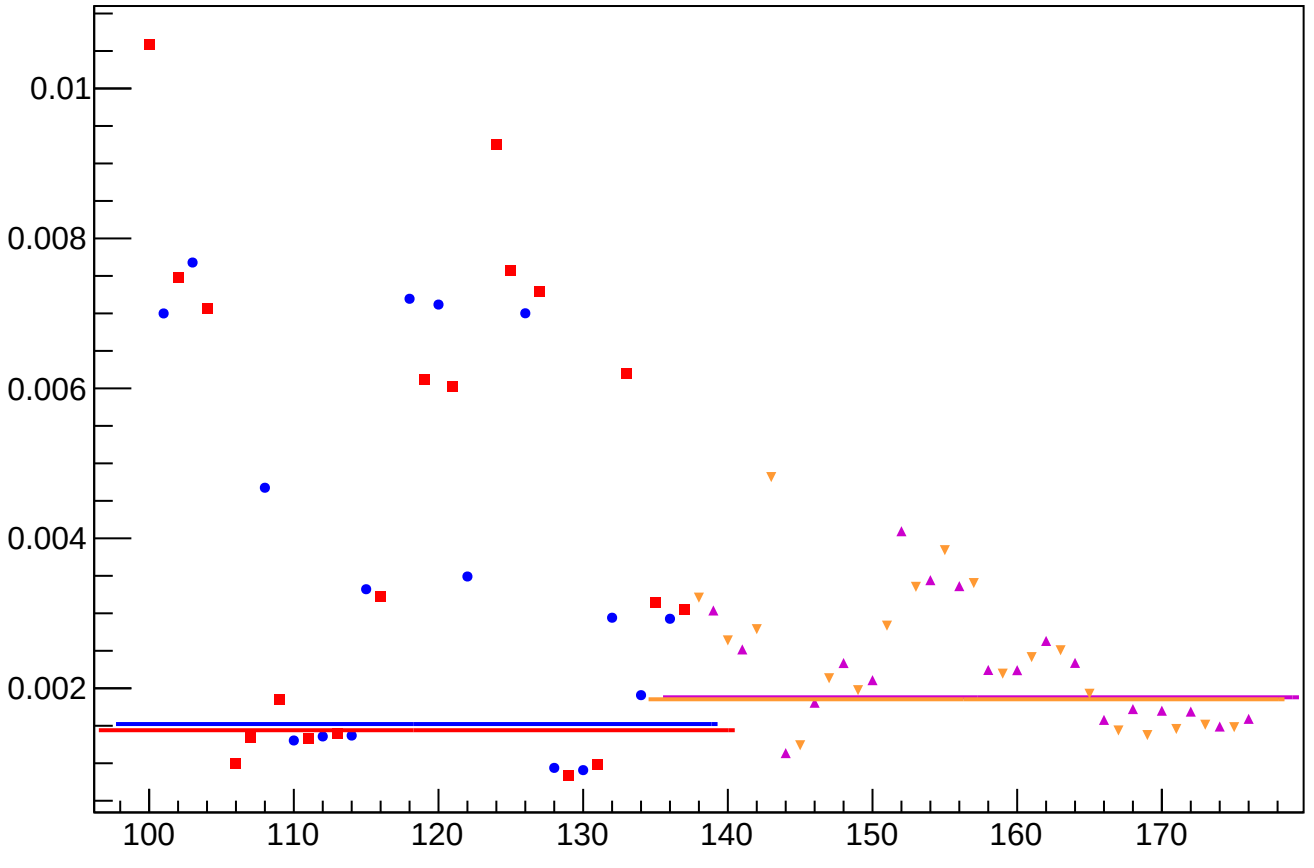
Left: 0.000+/-0.000 χ^2/NDF: 60.9/38

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:20.9/34

Out: -0.000+/-0.000 χ^2/NDF:65.8/38

All: -0.000+/-0.000 χ^2/NDF: 88.3/73



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3718723.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2748613.4/18

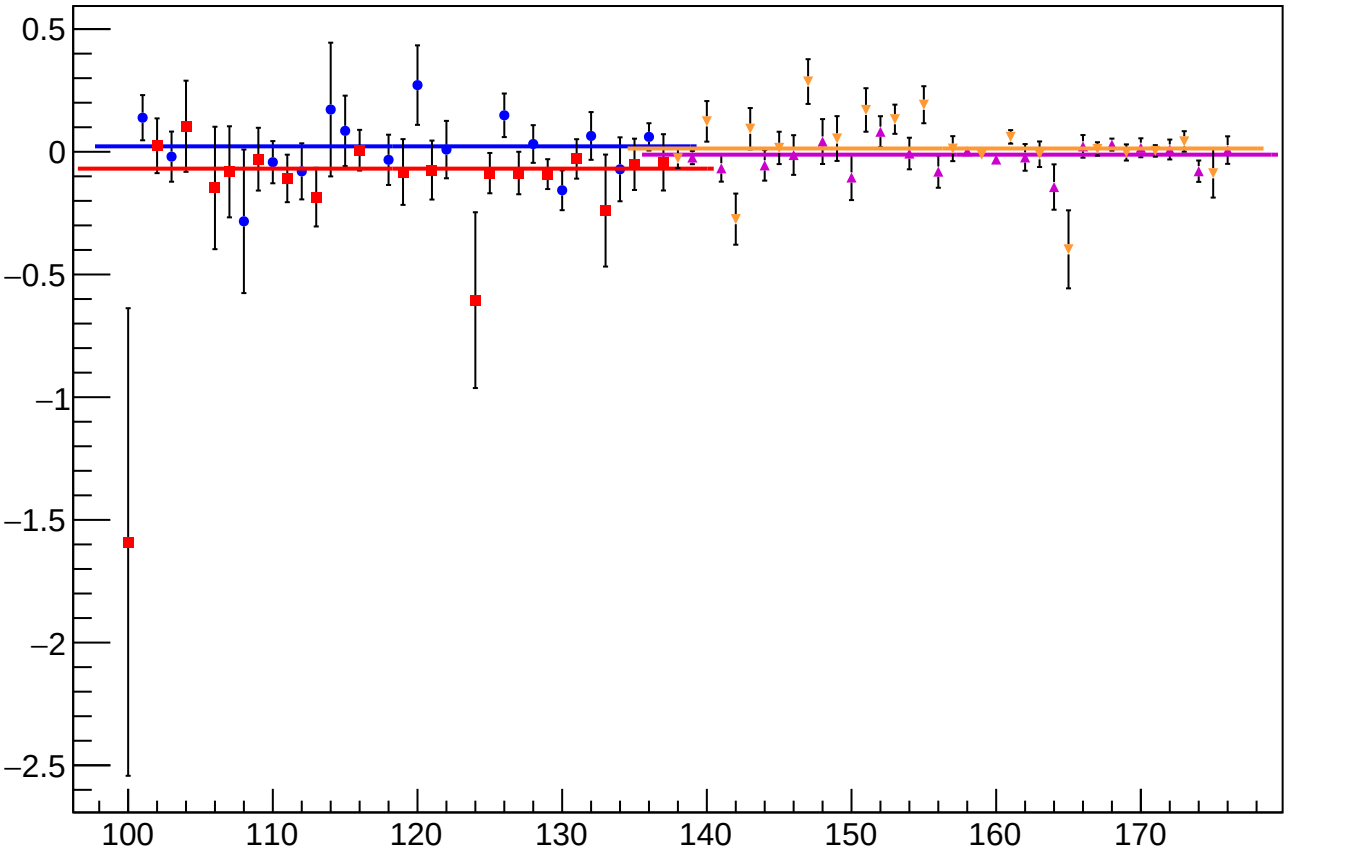
Left: 0.002+/-0.000 χ^2/NDF: 6470118.4/38

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8248879.3/34

Out: 0.002+/-0.000 χ^2/NDF:9969503.8/38

All: 0.002+/-0.000 χ^2/NDF: 18234168.6/73



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

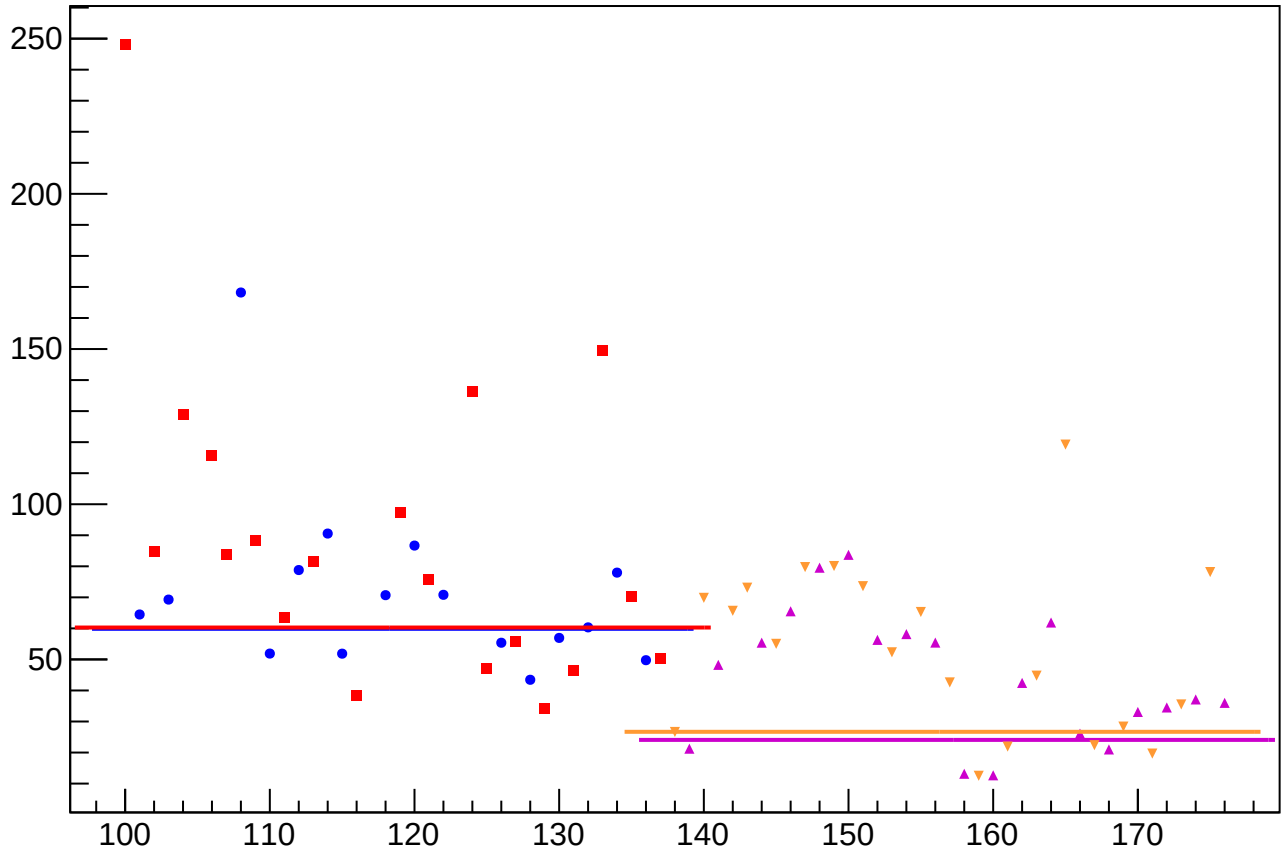
Left: -0.000+/-0.006 χ^2/NDF: 69.5/38

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/73



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

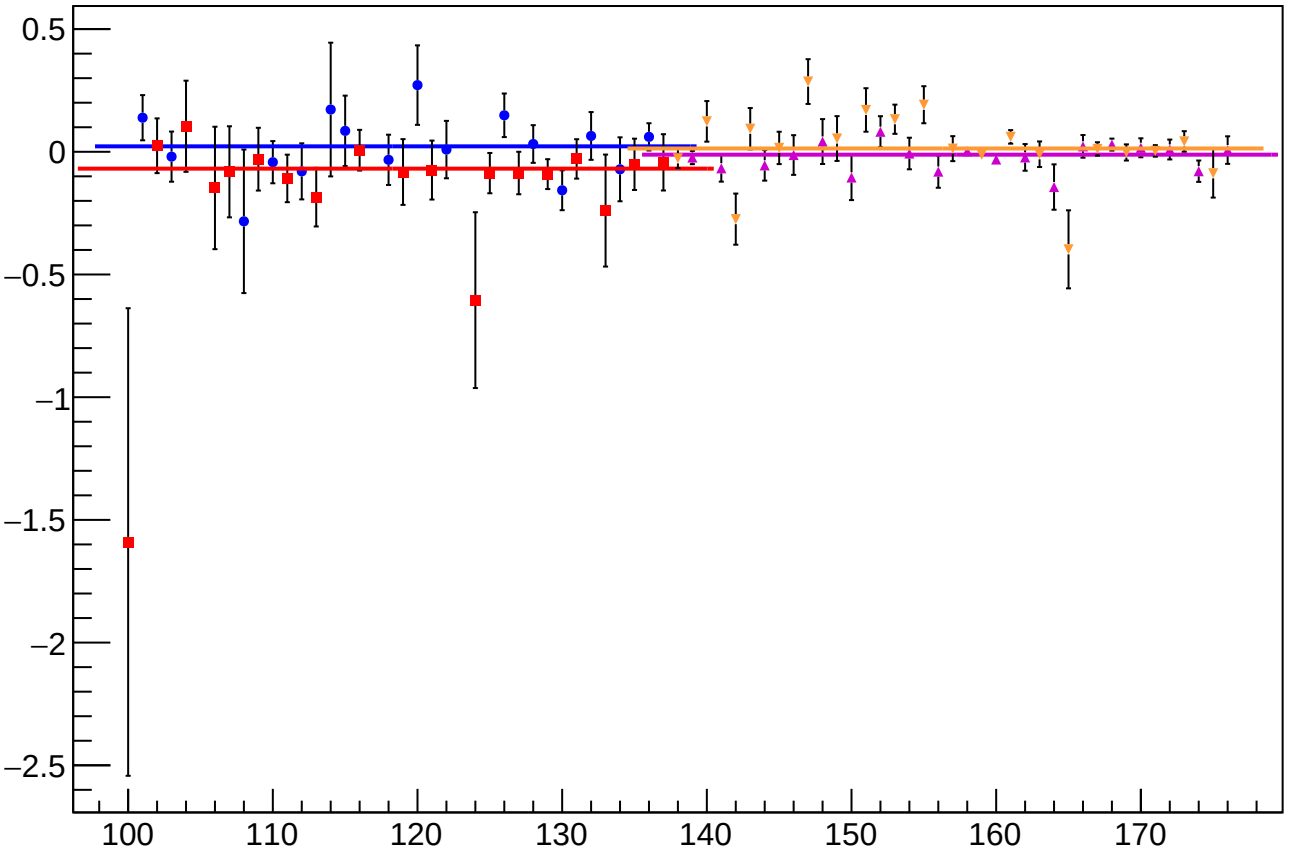
Left: 25.272+/-0.004 χ^2/NDF: 16005959.9/38

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.515+/-0.005 χ^2/NDF:12079088.3/34

Out: 30.268+/-0.006 χ^2/NDF:13466502.2/38

All: 28.786+/-0.004 χ^2/NDF: 25665232.4/73



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:47.7/19

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

Left: -0.000+/-0.006 χ^2/NDF: 69.5/38

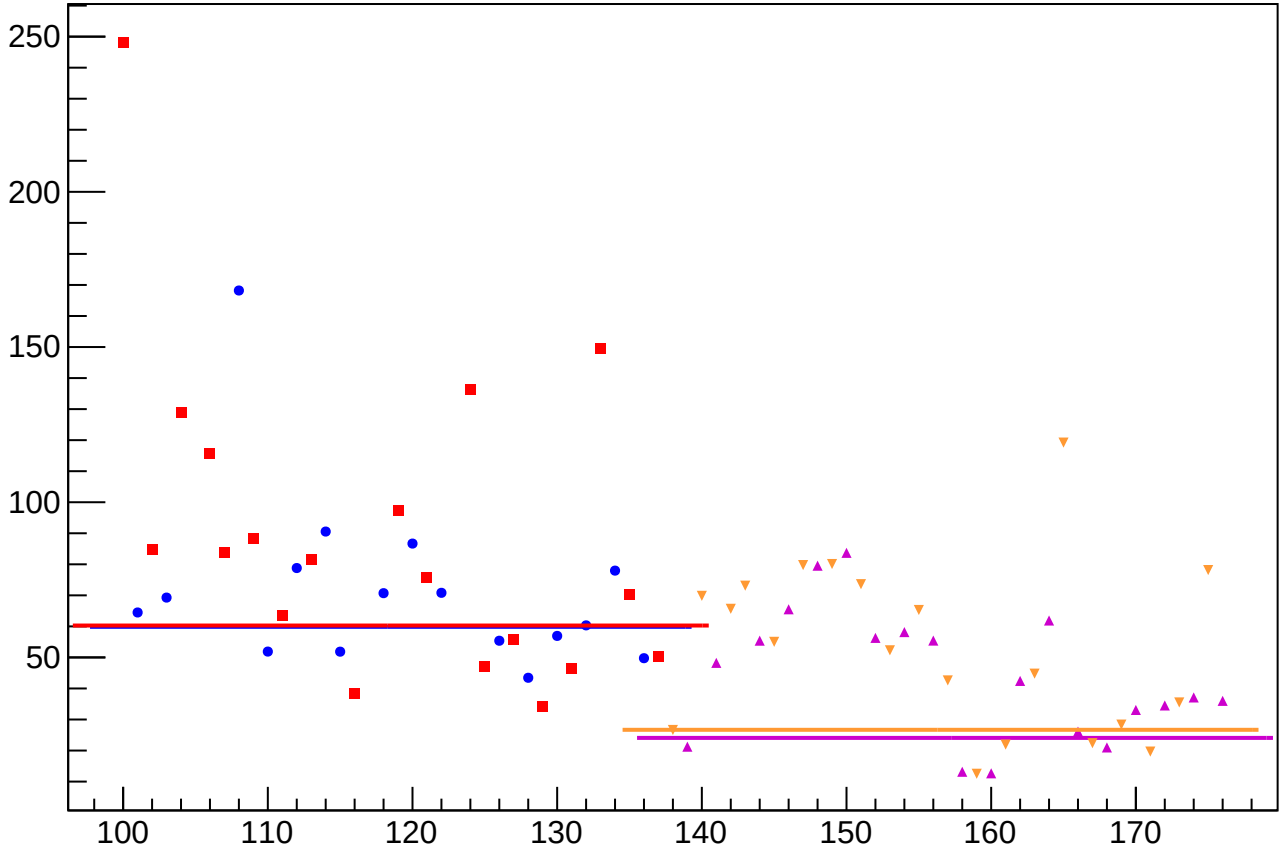
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.005+/-0.008 χ^2/NDF:66.7/38

All: -0.002+/-0.006 χ^2/NDF: 102.6/73

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.683+/-0.006 χ^2/NDF:8333497.5/19

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

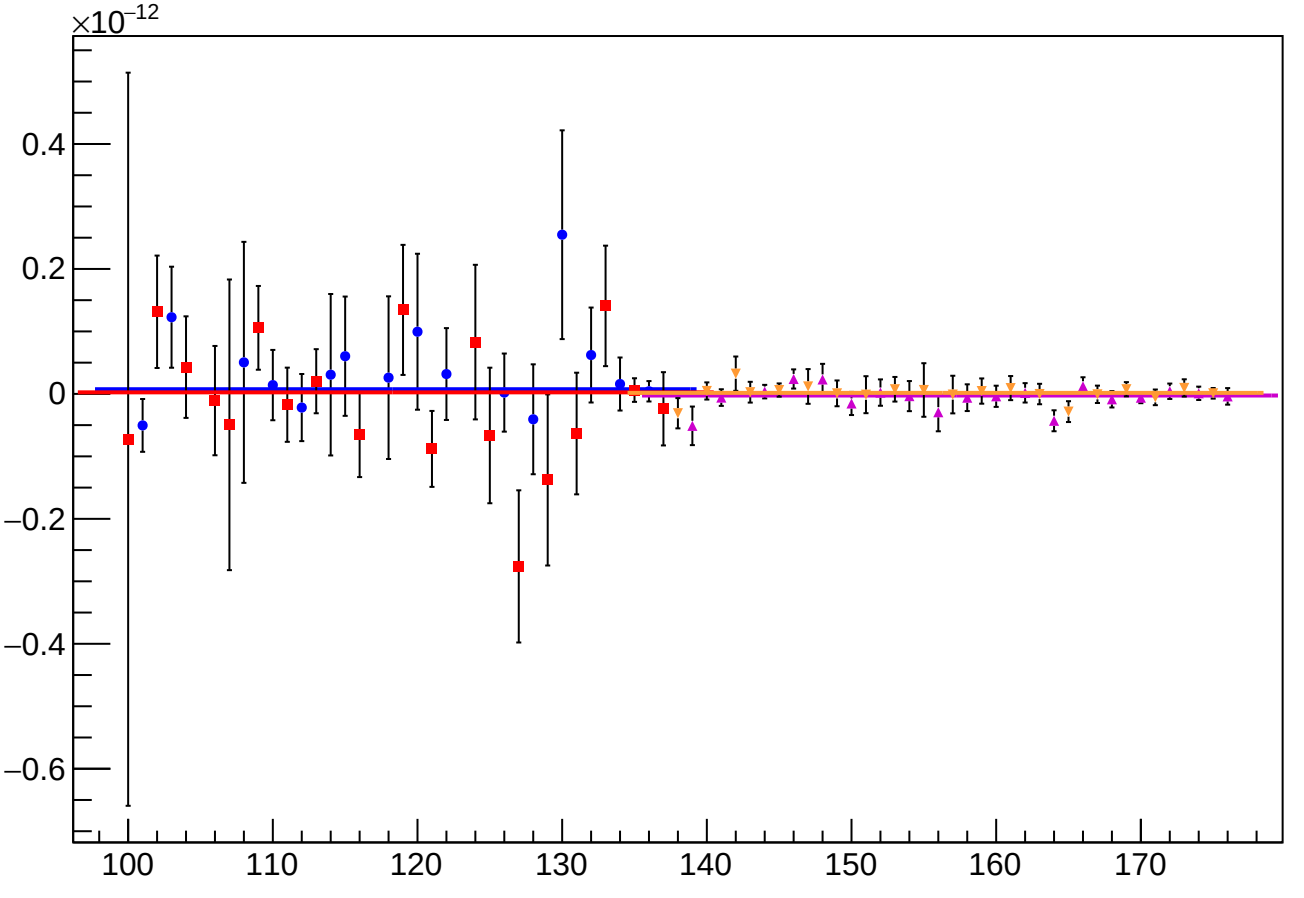
Left: 25.272+/-0.004 χ^2/NDF: 16005959.9/38

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.515+/-0.005 χ^2/NDF:12079088.3/34

Out: 30.268+/-0.006 χ^2/NDF:13466502.2/38

All: 28.786+/-0.004 χ^2/NDF: 25665232.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/18

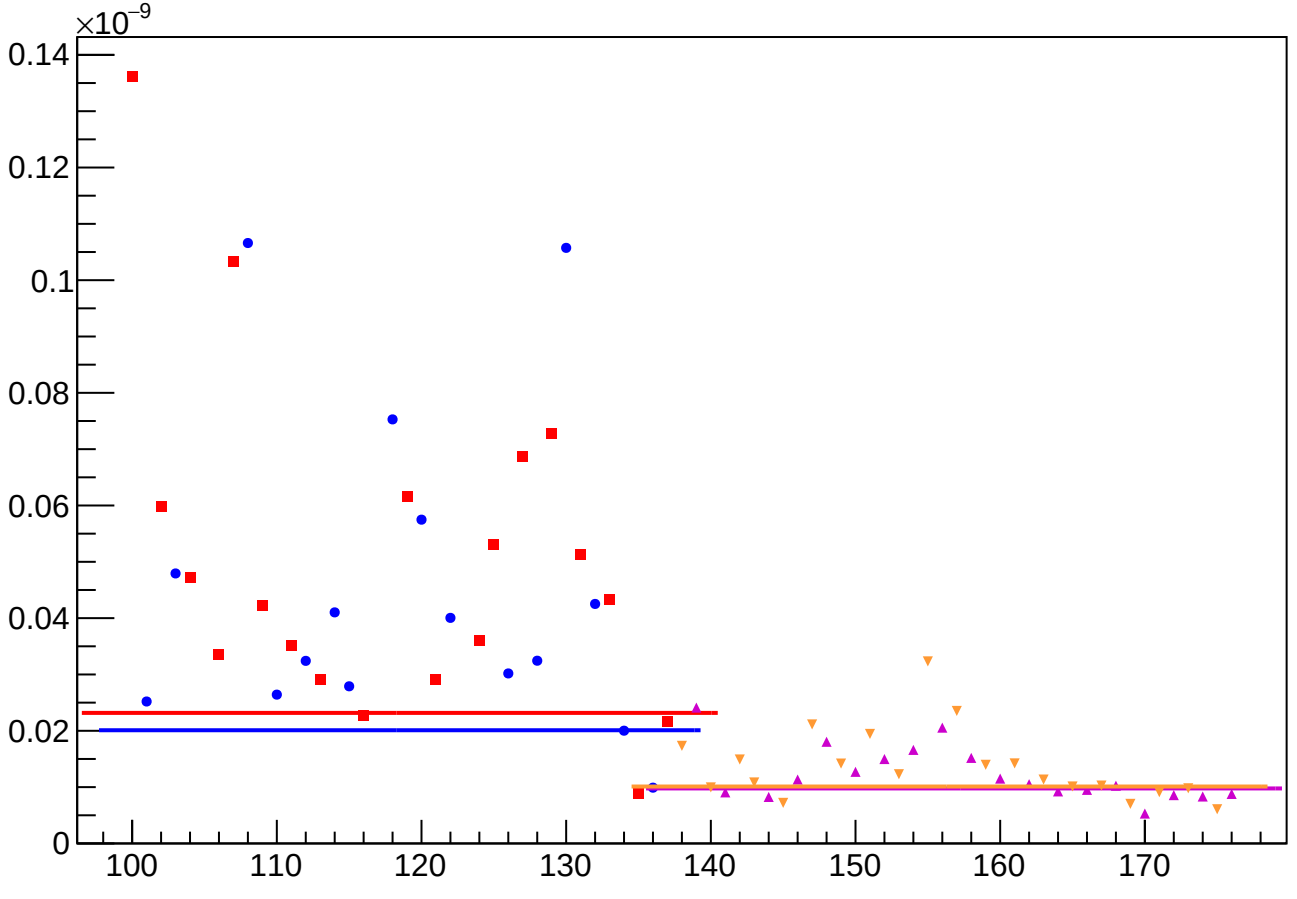
Left: -0.000+/-0.000 χ^2/NDF: 24.6/38

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/34

Out: 0.000+/-0.000 χ^2/NDF:27.6/38

All: -0.000+/-0.000 χ^2/NDF: 53.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2729416.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2036491.4/18

Left: 0.000+/-0.000 χ^2/NDF: 4775642.5/38

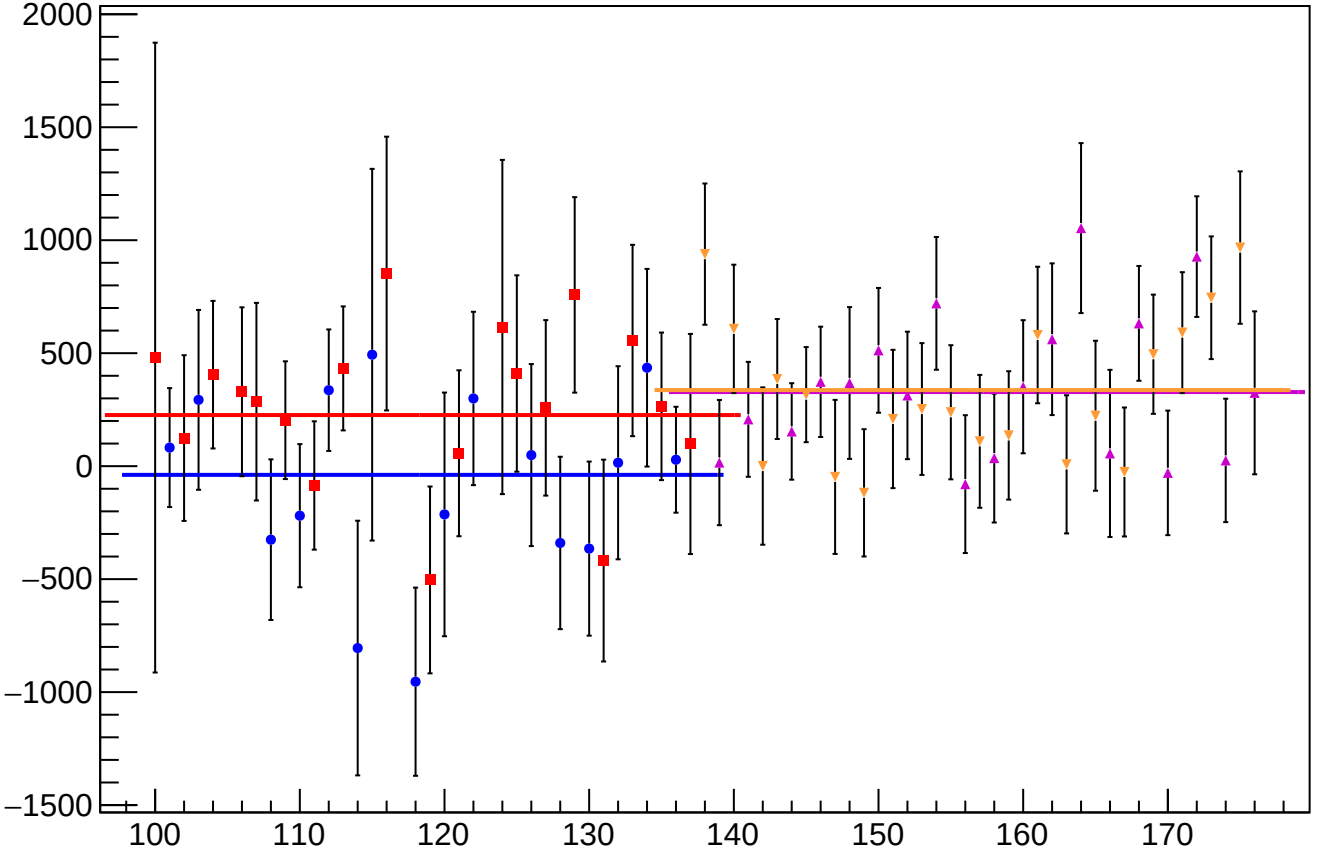
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6500655.5/34

Out: 0.000+/-0.000 χ^2/NDF:8009856.4/38

All: 0.000+/-0.000 χ^2/NDF: 14526495.0/73

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.567+/-64.509 χ^2/NDF:21.5/19

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 327.933+/-65.242 χ^2/NDF:21.4/18

Left: 332.299+/-45.872 χ^2/NDF: 42.9/38

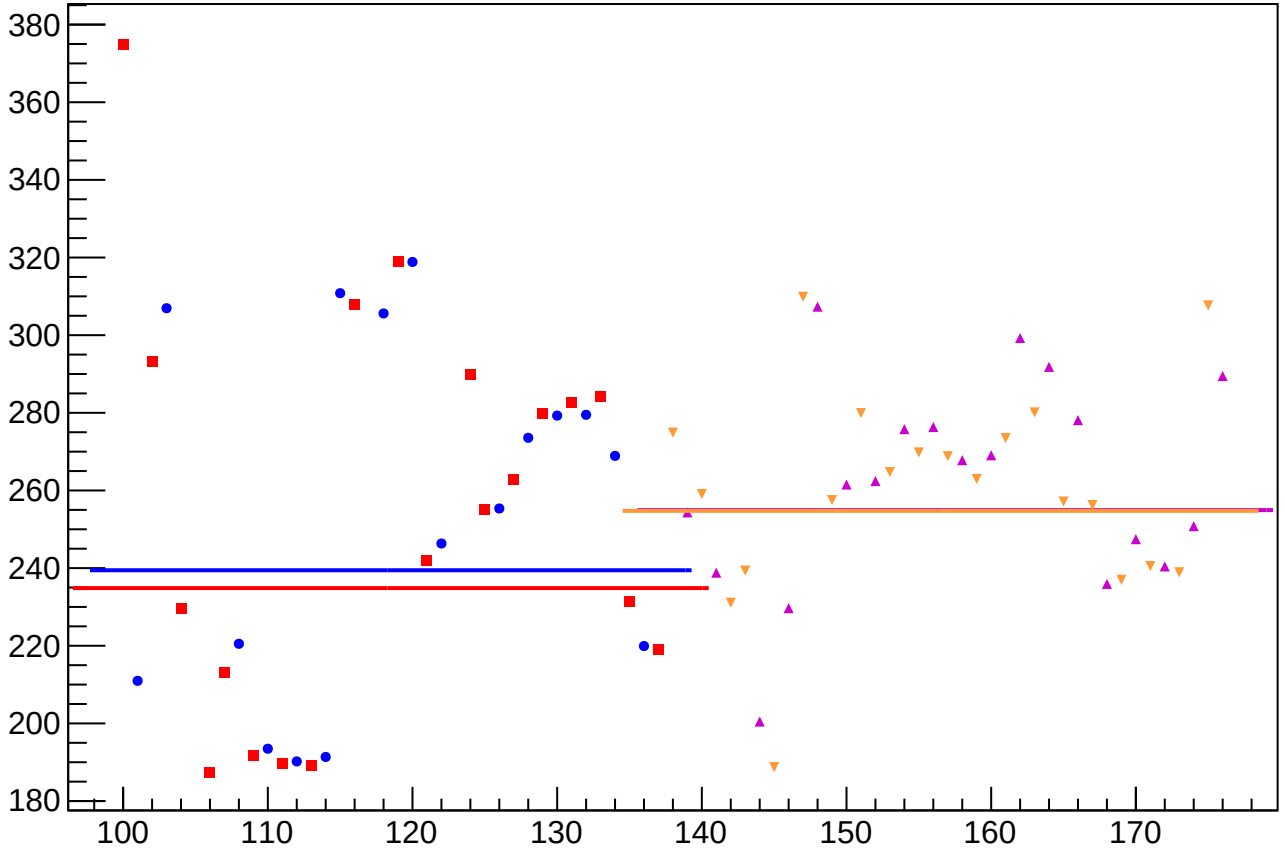
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 202.837+/-52.947 χ^2/NDF:46.7/34

Out: 297.926+/-52.008 χ^2/NDF:33.9/38

All: 251.232+/-37.103 χ^2/NDF: 82.2/73

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

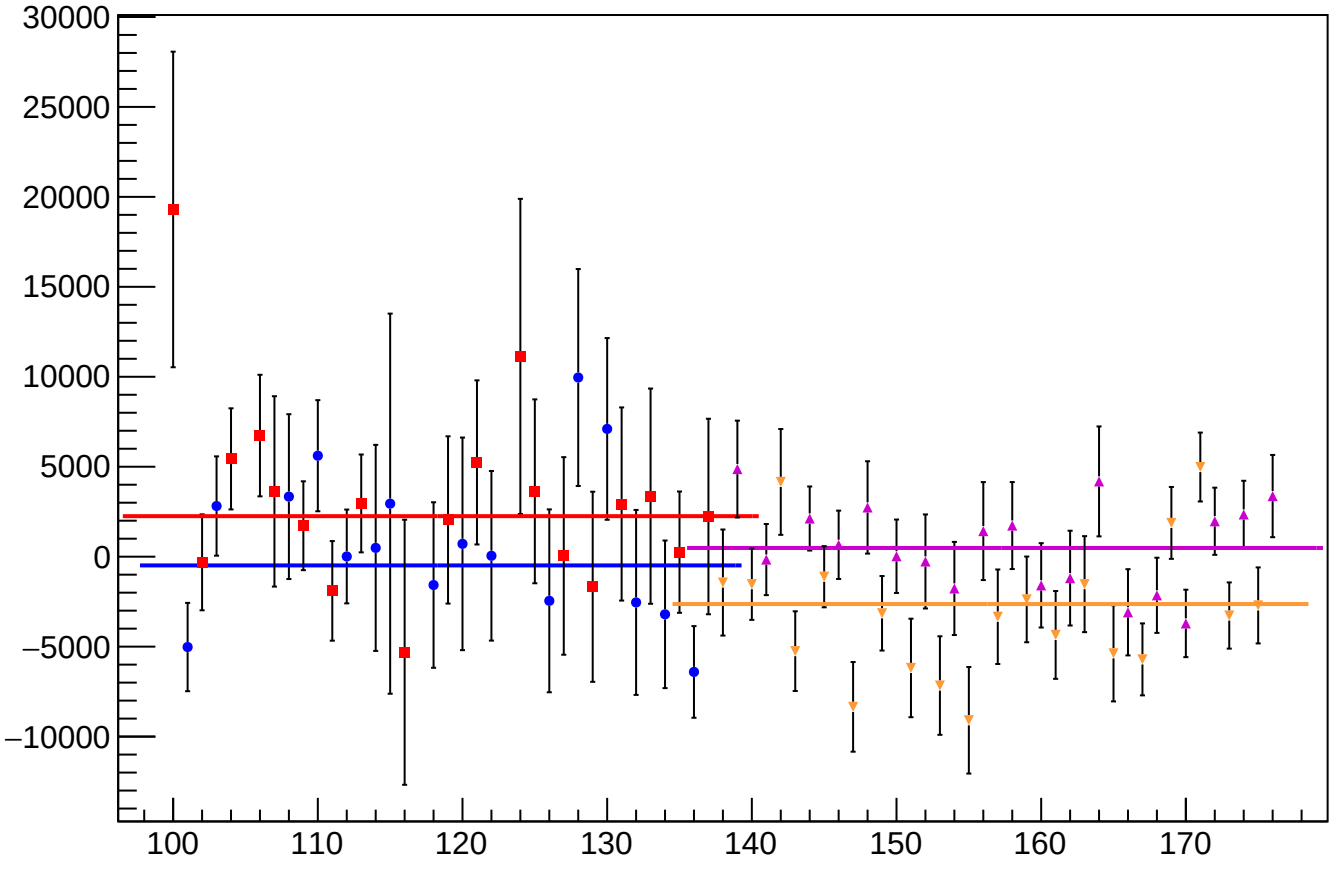
Left: 254.847+/-0.032 χ^2/NDF: 732256.6/38

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.655+/-0.037 χ^2/NDF:778175.2/34

Out: 247.788+/-0.037 χ^2/NDF:941861.0/38

All: 248.704+/-0.026 χ^2/NDF: 1721301.8/73



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2633.135+/-508.230 χ^2/NDF:47.7/19

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 483.915+/-508.636 χ^2/NDF:20.4/18

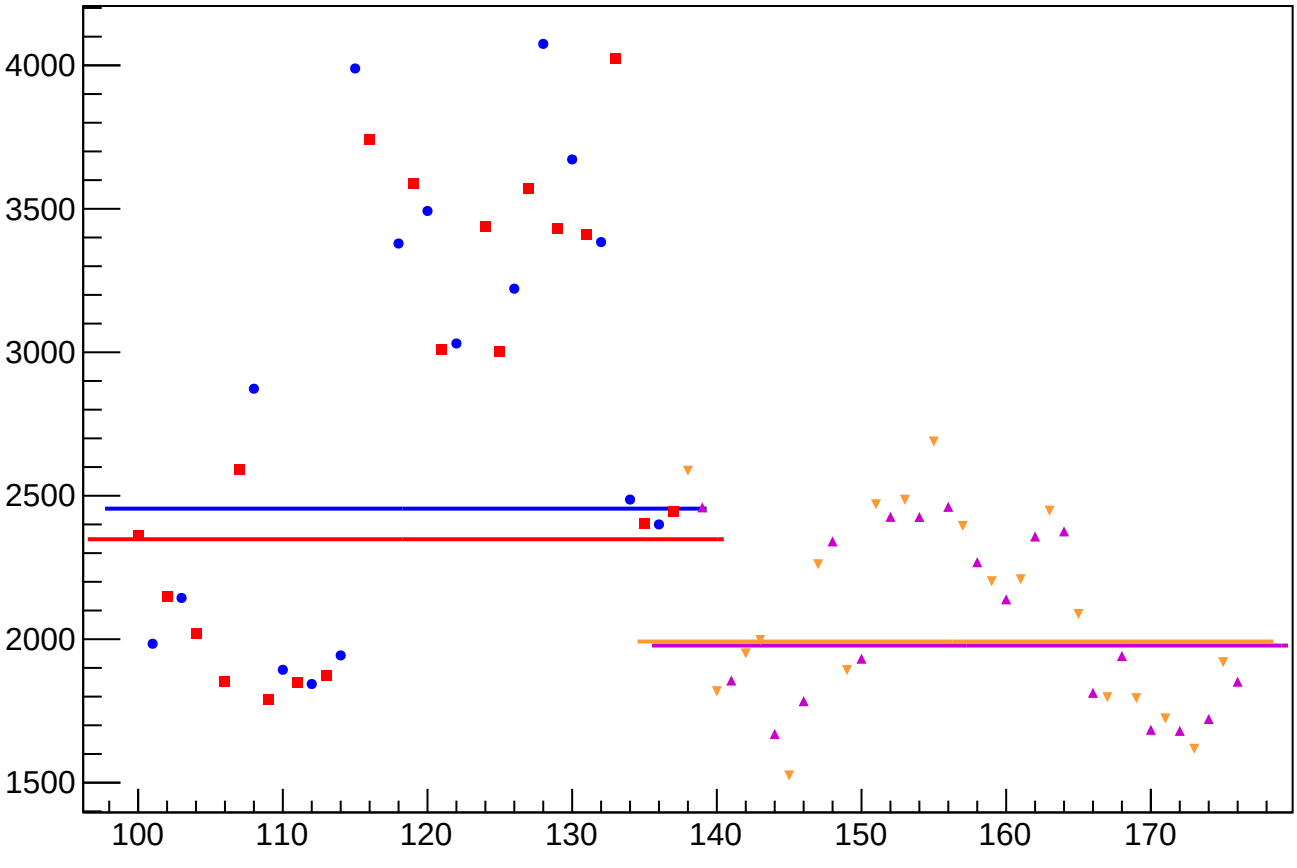
Left: -1075.853+/-359.516 χ^2/NDF: 86.8/38

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 266.939+/-448.142 χ^2/NDF:42.3/34

Out: -1440.334+/-441.846 χ^2/NDF:84.1/38

All: -598.774+/-314.634 χ^2/NDF: 133.8/73



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.1/19

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1977.865+/-0.360 χ^2/NDF:642654.4/18

Left: 1984.899+/-0.254 χ^2/NDF: 1458129.9/38

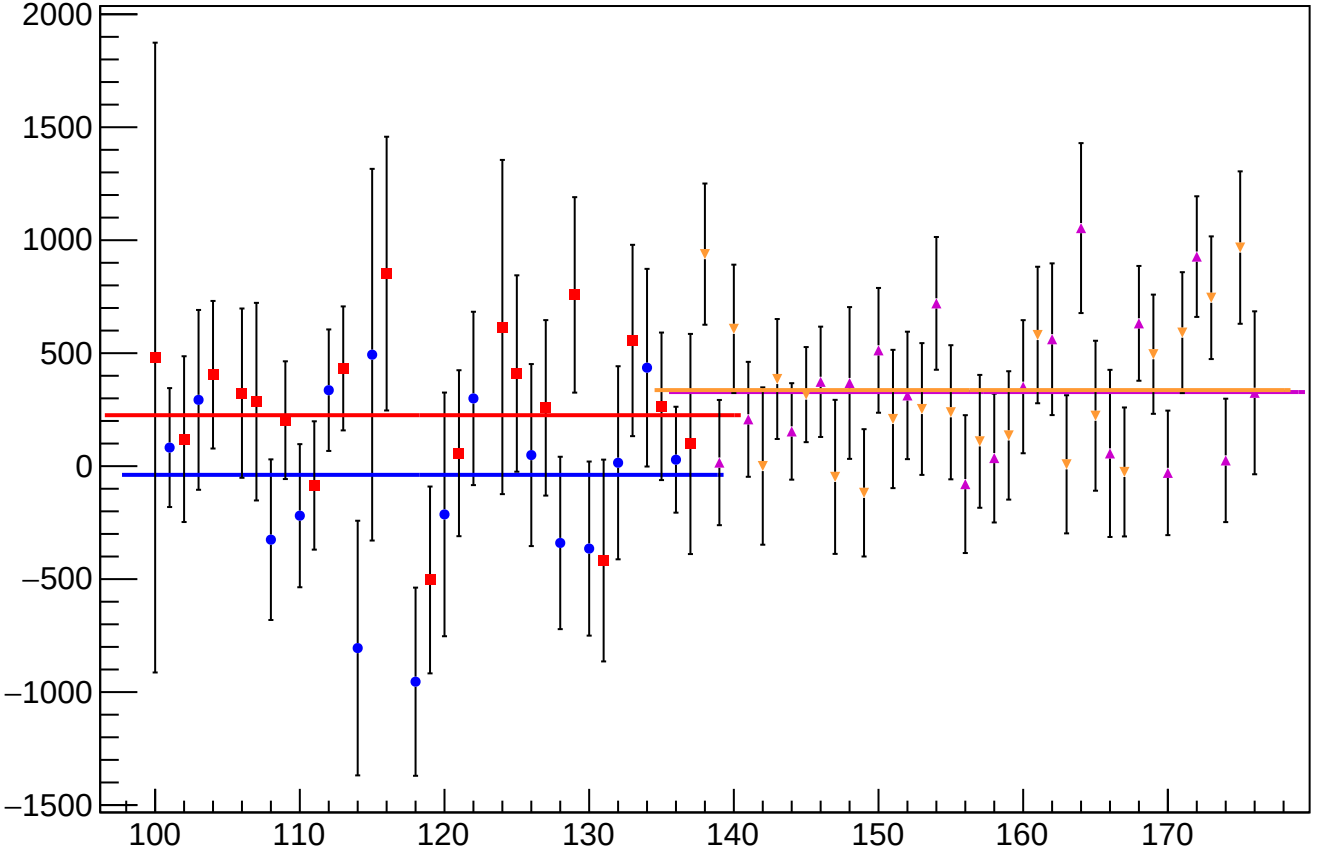
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2084.634+/-0.317 χ^2/NDF:1930952.5/34

Out: 2078.976+/-0.312 χ^2/NDF:2107451.3/38

All: 2081.765+/-0.222 χ^2/NDF: 4038565.5/73

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 327.936+/-65.242 χ^2/NDF:21.4/18

Left: 332.304+/-45.872 χ^2/NDF: 42.9/38

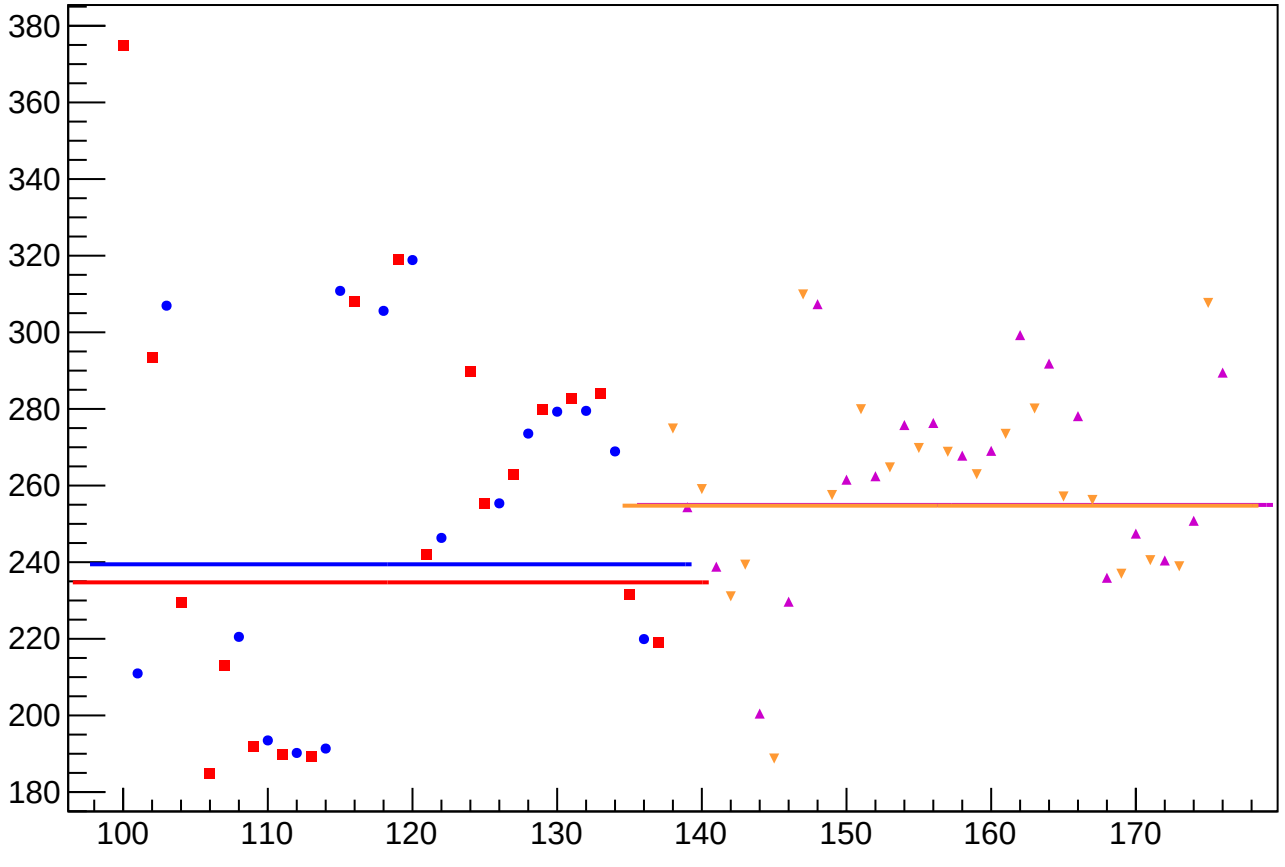
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 202.832+/-52.947 χ^2/NDF:46.7/34

Out: 297.710+/-52.011 χ^2/NDF:33.9/38

All: 251.117+/-37.104 χ^2/NDF: 82.2/73

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

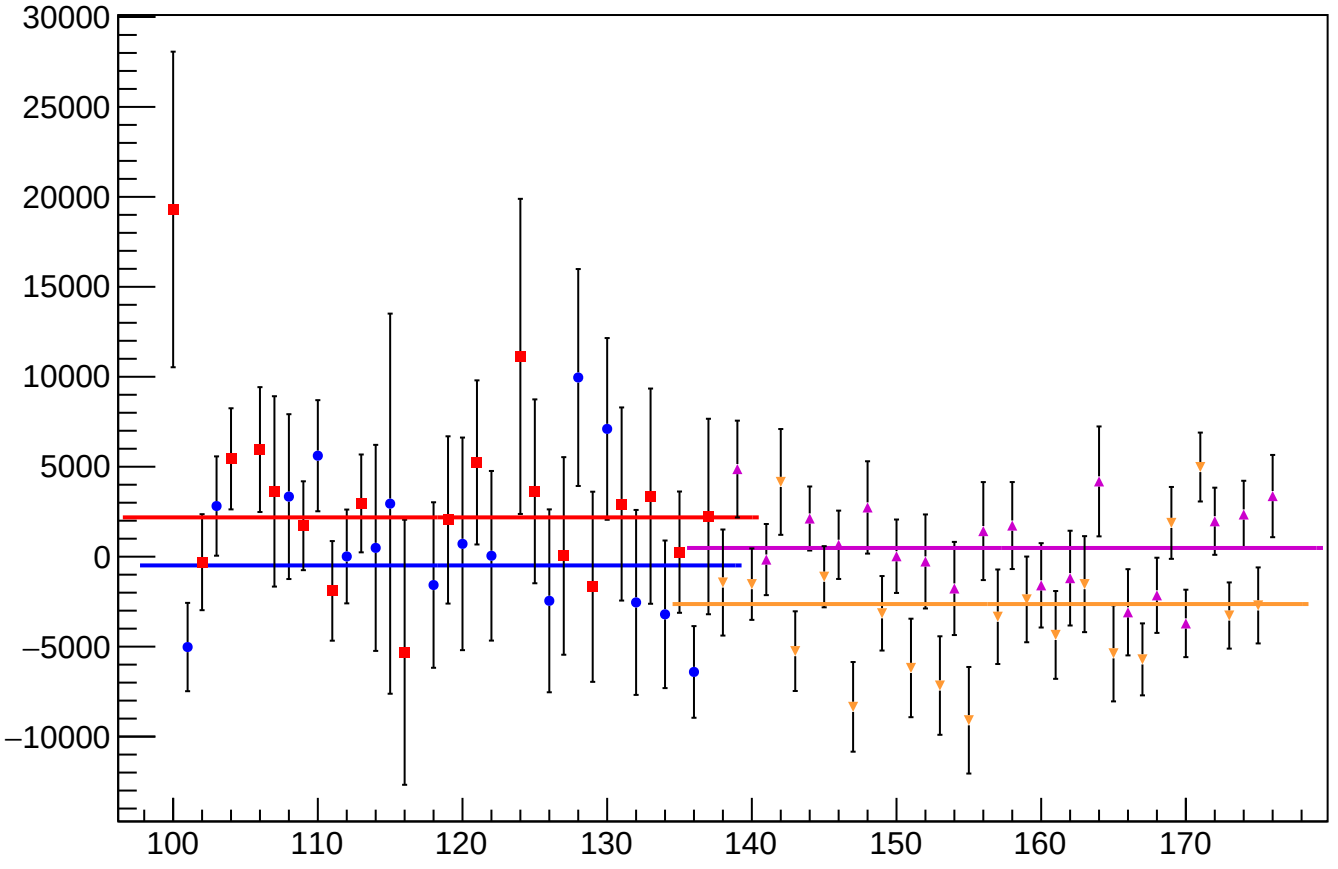
Left: 254.847+/-0.032 χ^2/NDF: 732256.6/38

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.655+/-0.037 χ^2/NDF:778177.3/34

Out: 247.746+/-0.037 χ^2/NDF:946187.7/38

All: 248.684+/-0.026 χ^2/NDF: 1725687.1/73



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 483.928+/-508.636 χ^2/NDF:20.4/18

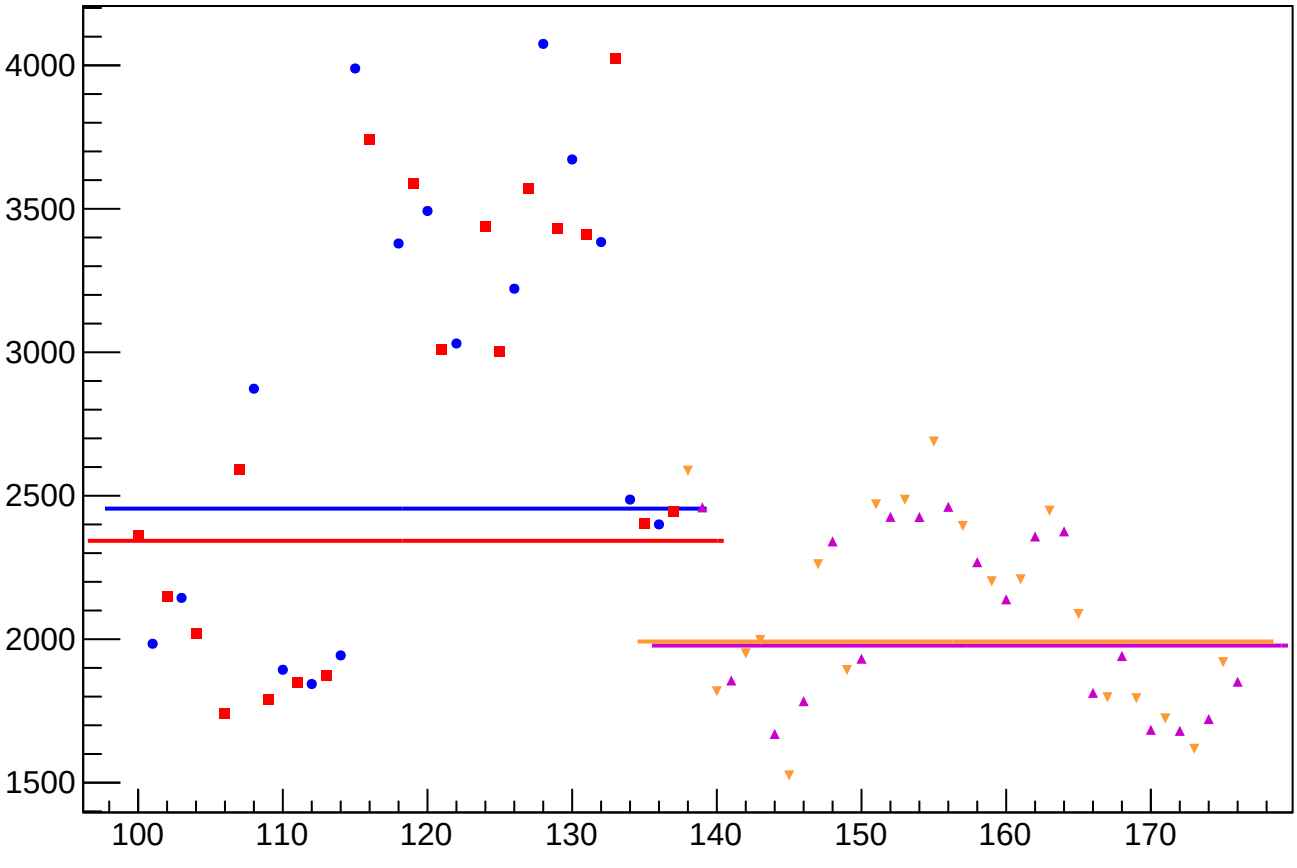
Left: -1075.844+/-359.516 χ^2/NDF: 86.8/38

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 266.913+/-448.142 χ^2/NDF:42.3/34

Out: -1460.061+/-442.050 χ^2/NDF:82.8/38

All: -608.394+/-314.708 χ^2/NDF: 132.7/73



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

Left: 1984.900+/-0.254 χ^2/NDF: 1458130.2/38

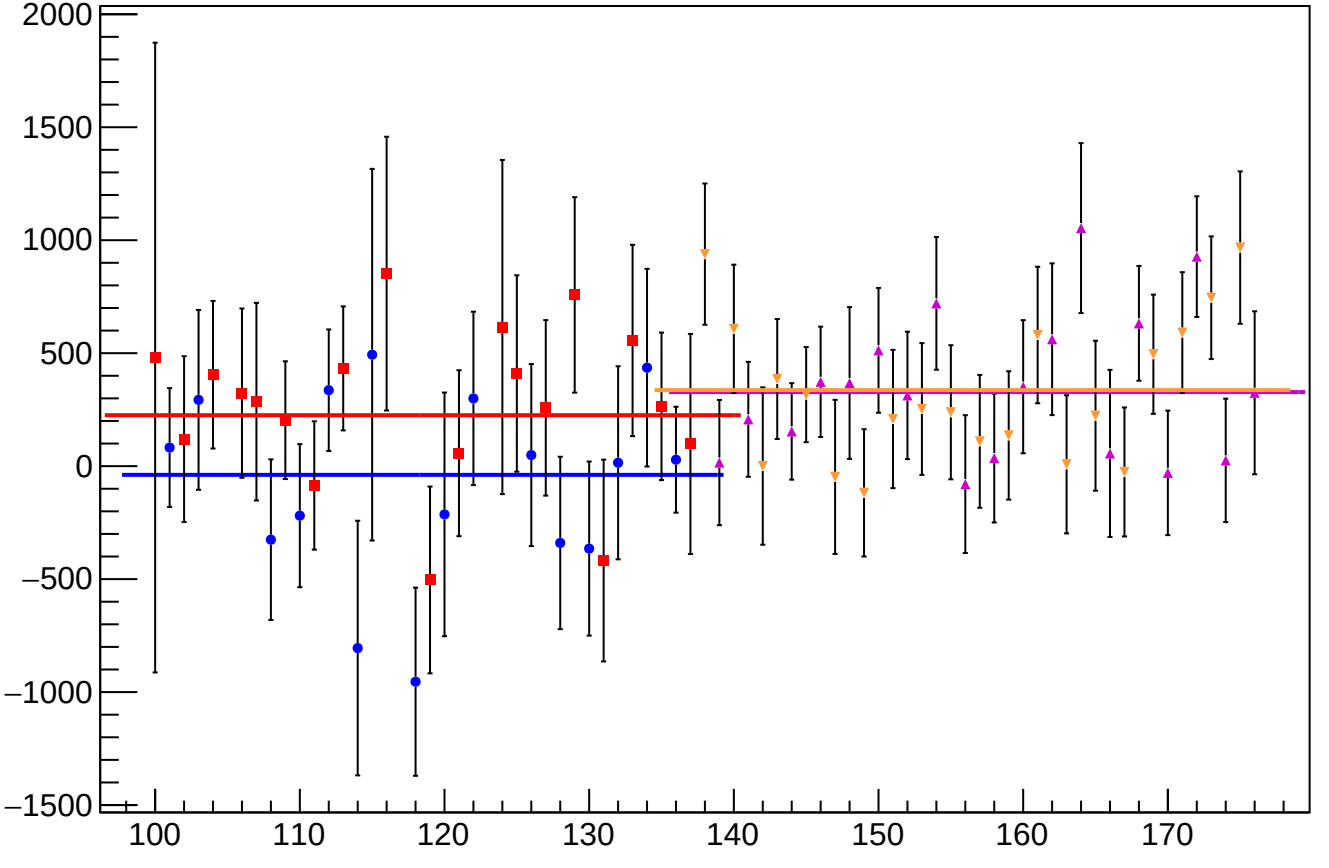
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2084.638+/-0.317 χ^2/NDF:1930955.4/34

Out: 2077.391+/-0.313 χ^2/NDF:2117408.0/38

All: 2080.965+/-0.223 χ^2/NDF: 4048628.5/73

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 336.575+/-64.509 χ^2/NDF:21.5/19

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 327.936+/-65.242 χ^2/NDF:21.4/18

Left: 332.304+/-45.872 χ^2/NDF: 42.9/38

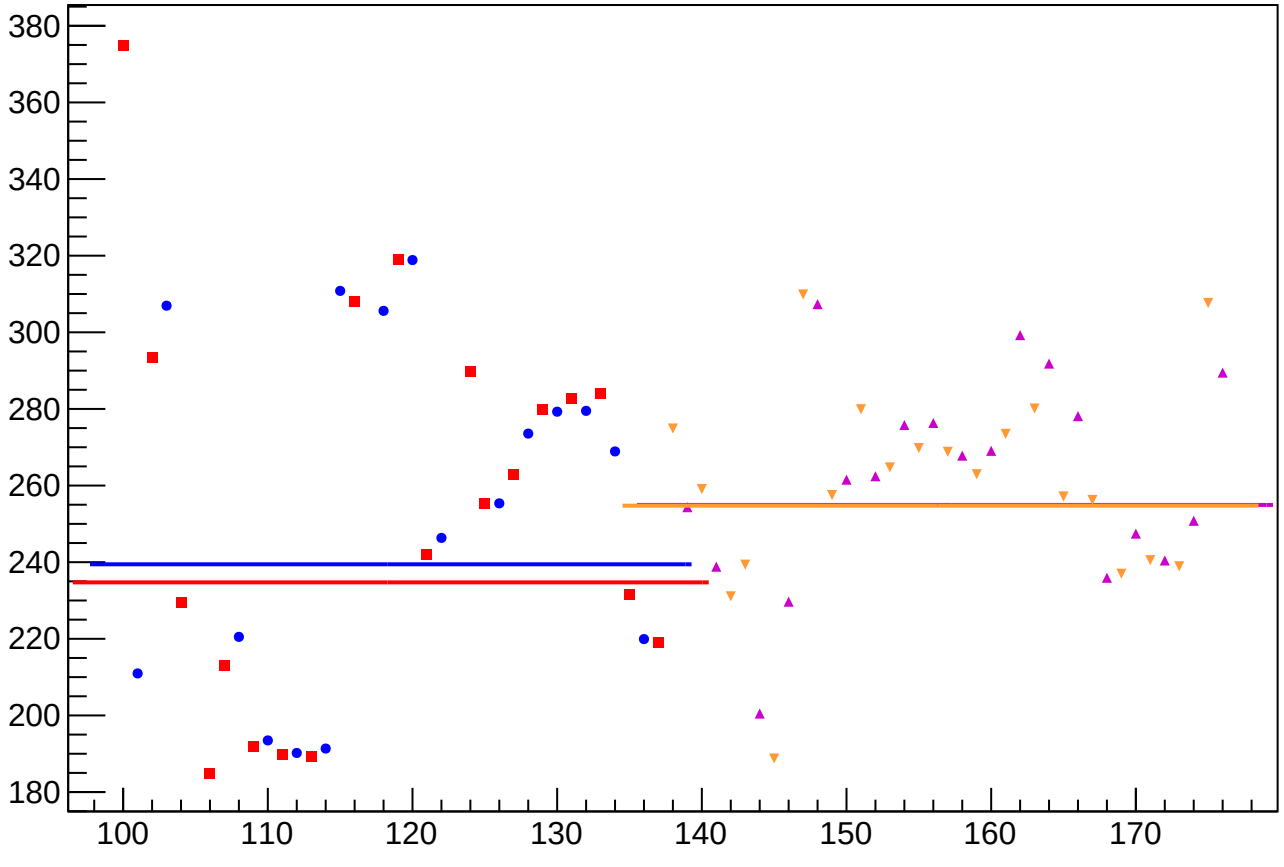
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 202.832+/-52.947 χ^2/NDF:46.7/34

Out: 297.710+/-52.011 χ^2/NDF:33.9/38

All: 251.117+/-37.104 χ^2/NDF: 82.2/73

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.752+/-0.046 χ^2/NDF:393545.4/19

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

Left: 254.847+/-0.032 χ^2/NDF: 732256.6/38

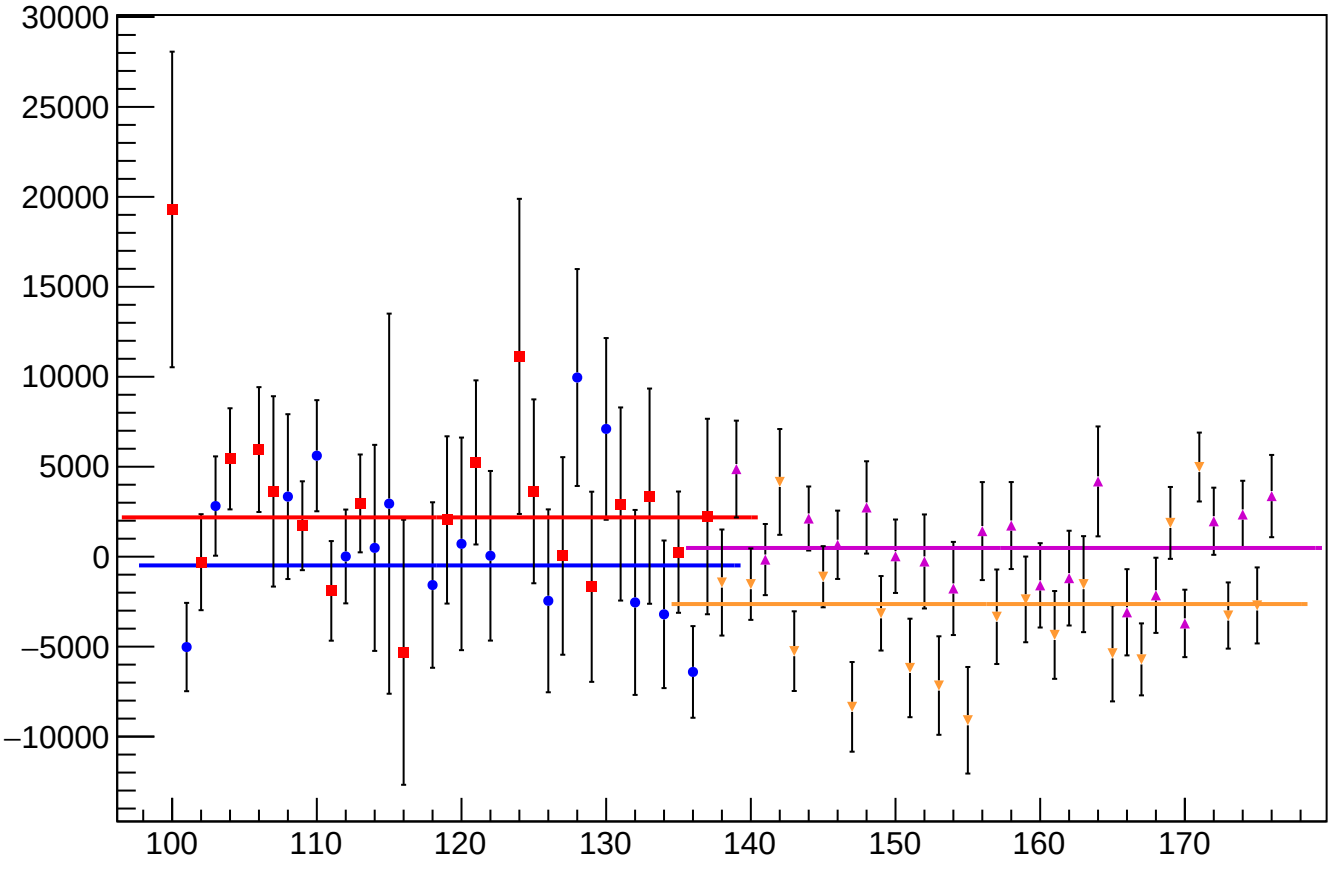
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.655+/-0.037 χ^2/NDF:778177.3/34

Out: 247.746+/-0.037 χ^2/NDF:946187.7/38

All: 248.684+/-0.026 χ^2/NDF: 1725687.1/73

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2633.128+/-508.230 χ^2/NDF:47.7/19

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 483.928+/-508.636 χ^2/NDF:20.4/18

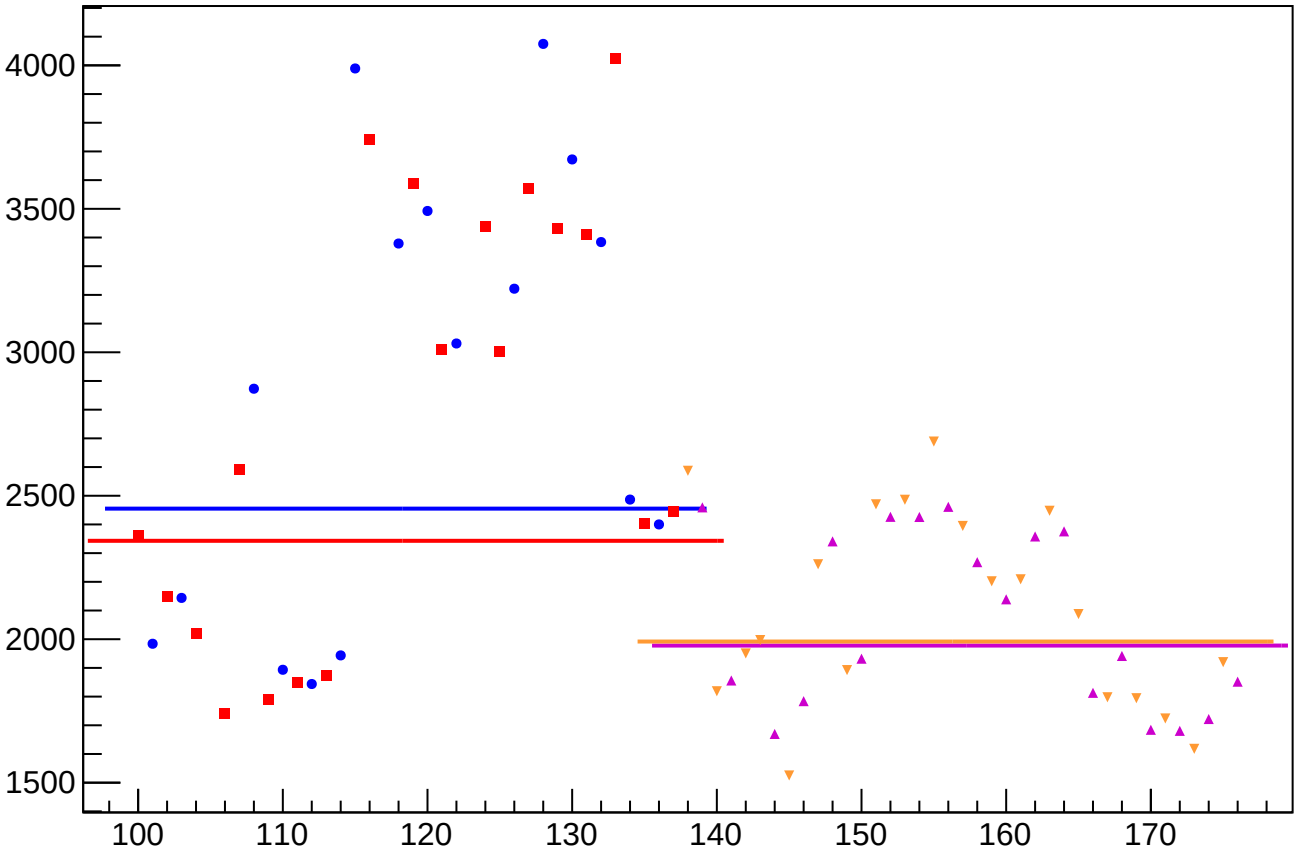
Left: -1075.844+/-359.516 χ^2/NDF: 86.8/38

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 266.913+/-448.142 χ^2/NDF:42.3/34

Out: -1460.061+/-442.050 χ^2/NDF:82.8/38

All: -608.394+/-314.708 χ^2/NDF: 132.7/73



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1991.922+/-0.359 χ^2/NDF:814711.6/19

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

Left: 1984.900+/-0.254 χ^2/NDF: 1458130.2/38

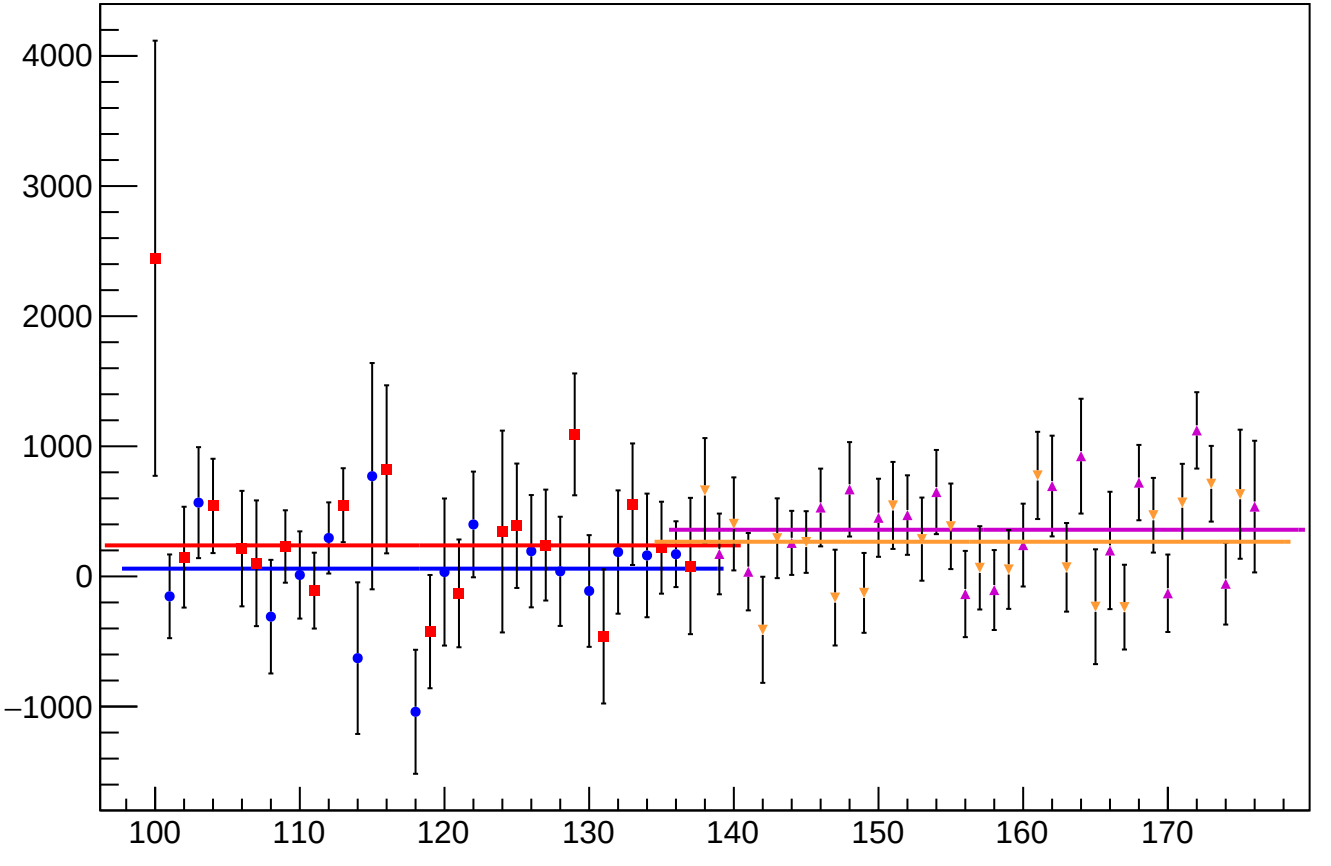
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2084.638+/-0.317 χ^2/NDF:1930955.4/34

Out: 2077.391+/-0.313 χ^2/NDF:2117408.0/38

All: 2080.965+/-0.223 χ^2/NDF: 4048628.5/73

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.444+/-73.238 χ^2/NDF:19.3/19

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.623+/-73.807 χ^2/NDF:23.8/18

Left: 312.177+/-51.987 χ^2/NDF: 43.9/38

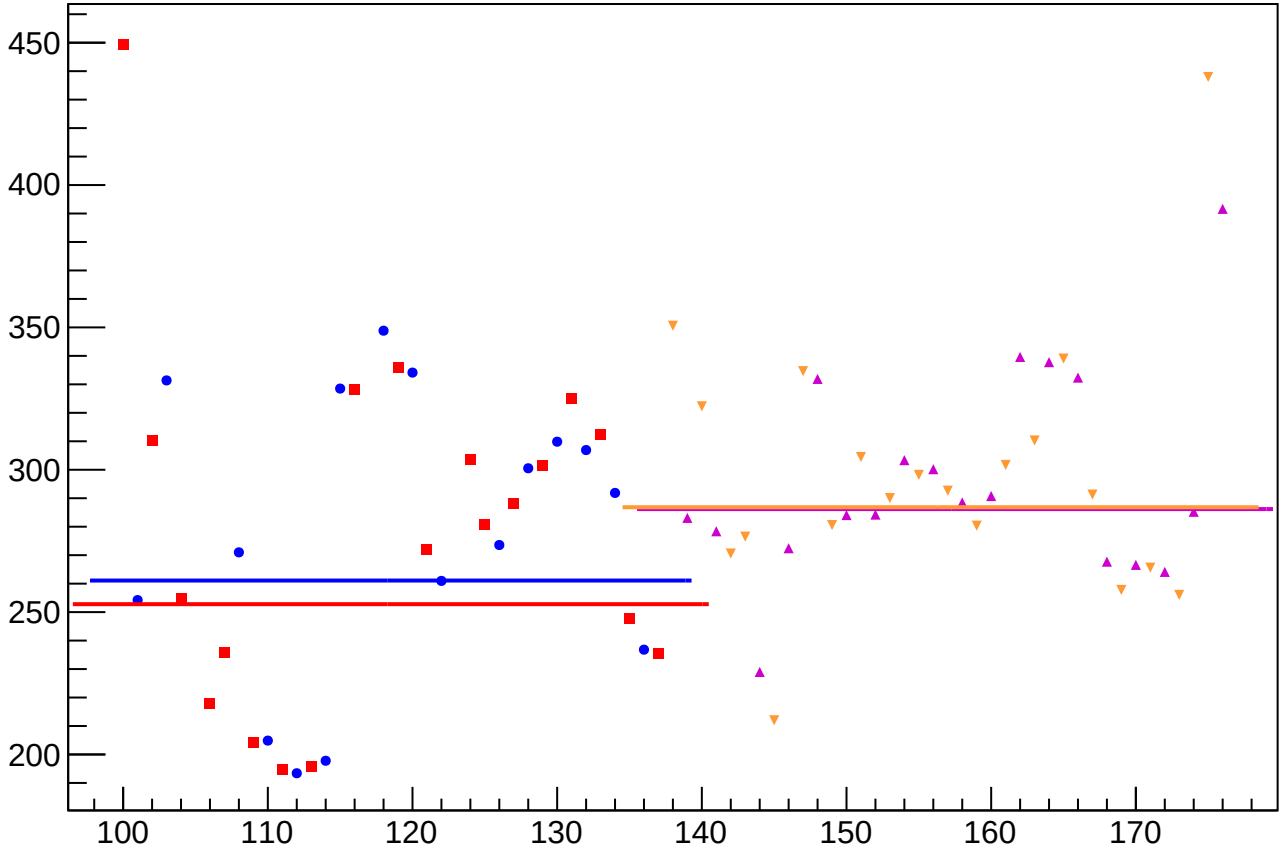
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 252.162+/-59.221 χ^2/NDF:41.7/34

Out: 256.042+/-58.017 χ^2/NDF:34.3/38

All: 254.142+/-41.443 χ^2/NDF: 76.0/73

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 286.842+/-0.052 χ^2/NDF:599412.1/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.191+/-0.052 χ^2/NDF:357014.4/18

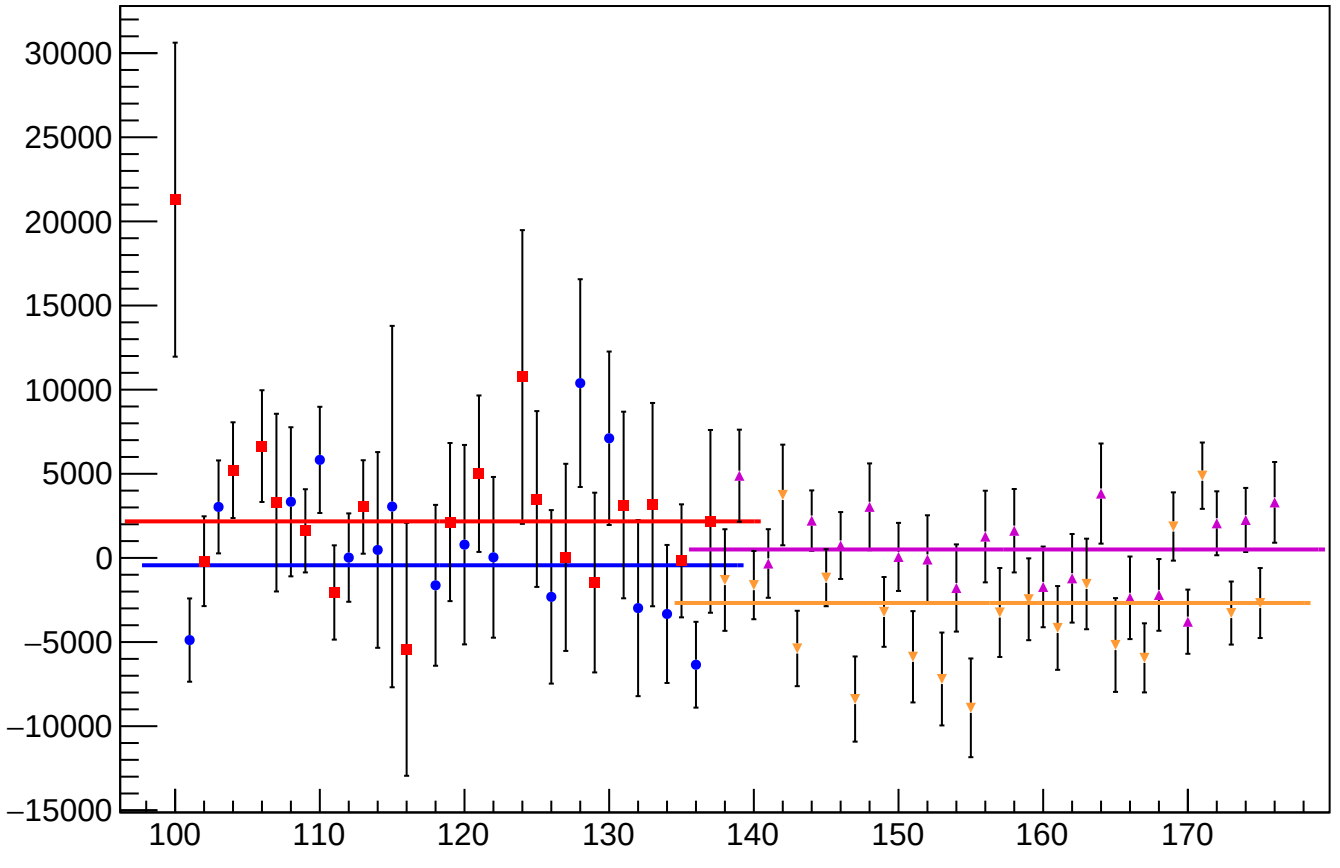
Left: 286.519+/-0.037 χ^2/NDF: 956505.1/38

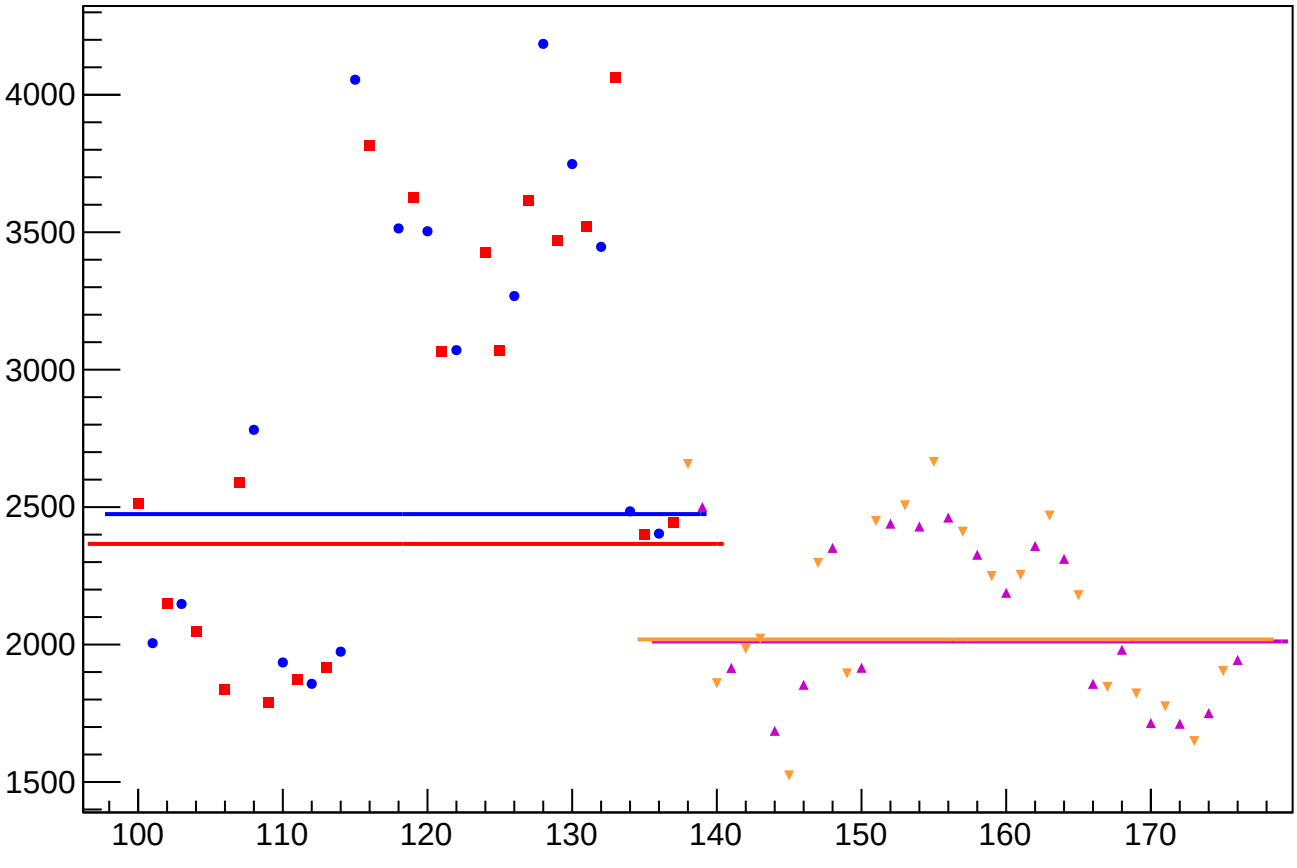
Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 277.250+/-0.042 χ^2/NDF:902076.6/34

Out: 274.158+/-0.041 χ^2/NDF:1297771.7/38

All: 275.672+/-0.029 χ^2/NDF: 2202631.0/73


asym_sam4_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -436.732+/-955.134 χ²/NDF: 21.2/15
Left Out: -2677.356+/-514.495 χ²/NDF:44.8/19
Right Out: 2172.091+/-901.102 χ²/NDF: 14.0/18
Left In: 502.348+/-516.880 χ²/NDF:19.2/18
Left: -1094.858+/-364.643 χ²/NDF: 83.1/38
Right: 943.553+/-655.445 χ²/NDF: 39.1/34
In: 289.630+/-454.585 χ²/NDF:41.2/34
Out: -1485.116+/-446.796 χ²/NDF:80.7/38
All: -613.077+/-318.651 χ²/NDF: 129.6/73



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2018.687+/-0.364 χ^2/NDF:803304.2/19

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2011.388+/-0.365 χ^2/NDF:590000.0/18

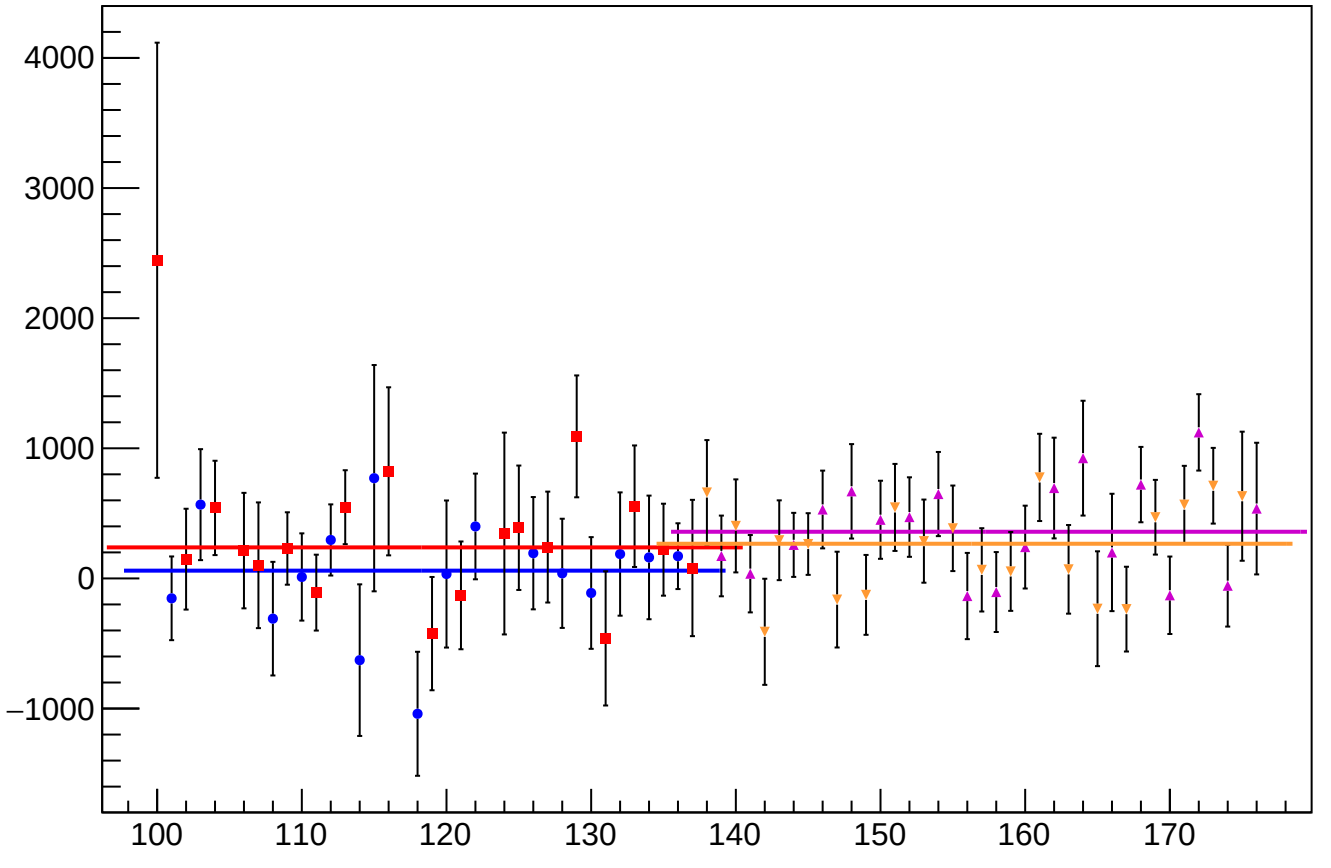
Left: 2015.054+/-0.258 χ^2/NDF: 1393504.5/38

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2116.319+/-0.321 χ^2/NDF:1870125.7/34

Out: 2104.128+/-0.316 χ^2/NDF:2104834.0/38

All: 2110.118+/-0.225 χ^2/NDF: 3975691.3/73



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 266.449+/-73.238 χ^2/NDF:19.3/19

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.624+/-73.807 χ^2/NDF:23.8/18

Left: 312.180+/-51.987 χ^2/NDF: 43.9/38

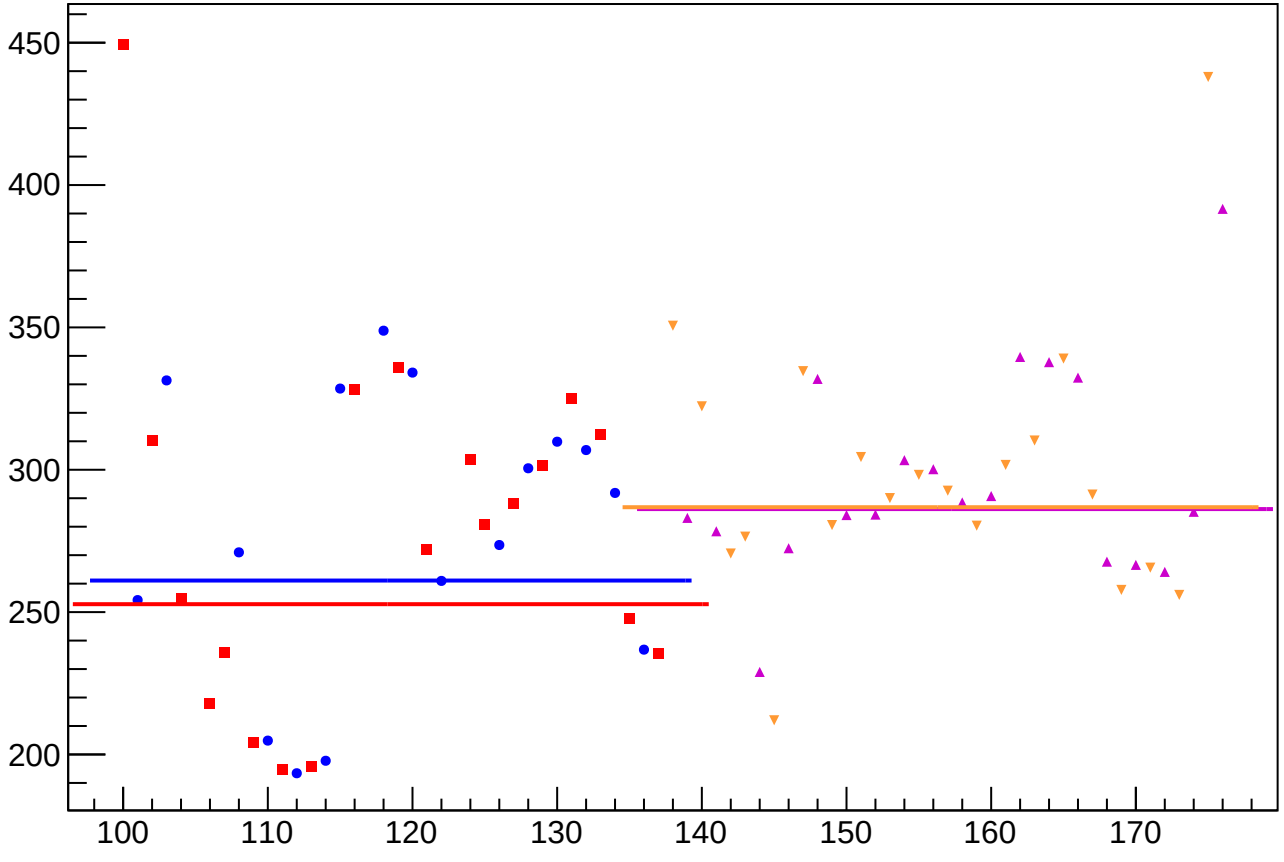
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 252.164+/-59.221 χ^2/NDF:41.7/34

Out: 256.044+/-58.017 χ^2/NDF:34.3/38

All: 254.144+/-41.443 χ^2/NDF: 76.0/73

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 286.843+/-0.052 χ^2/NDF:599409.4/19

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.191+/-0.052 χ^2/NDF:357009.3/18

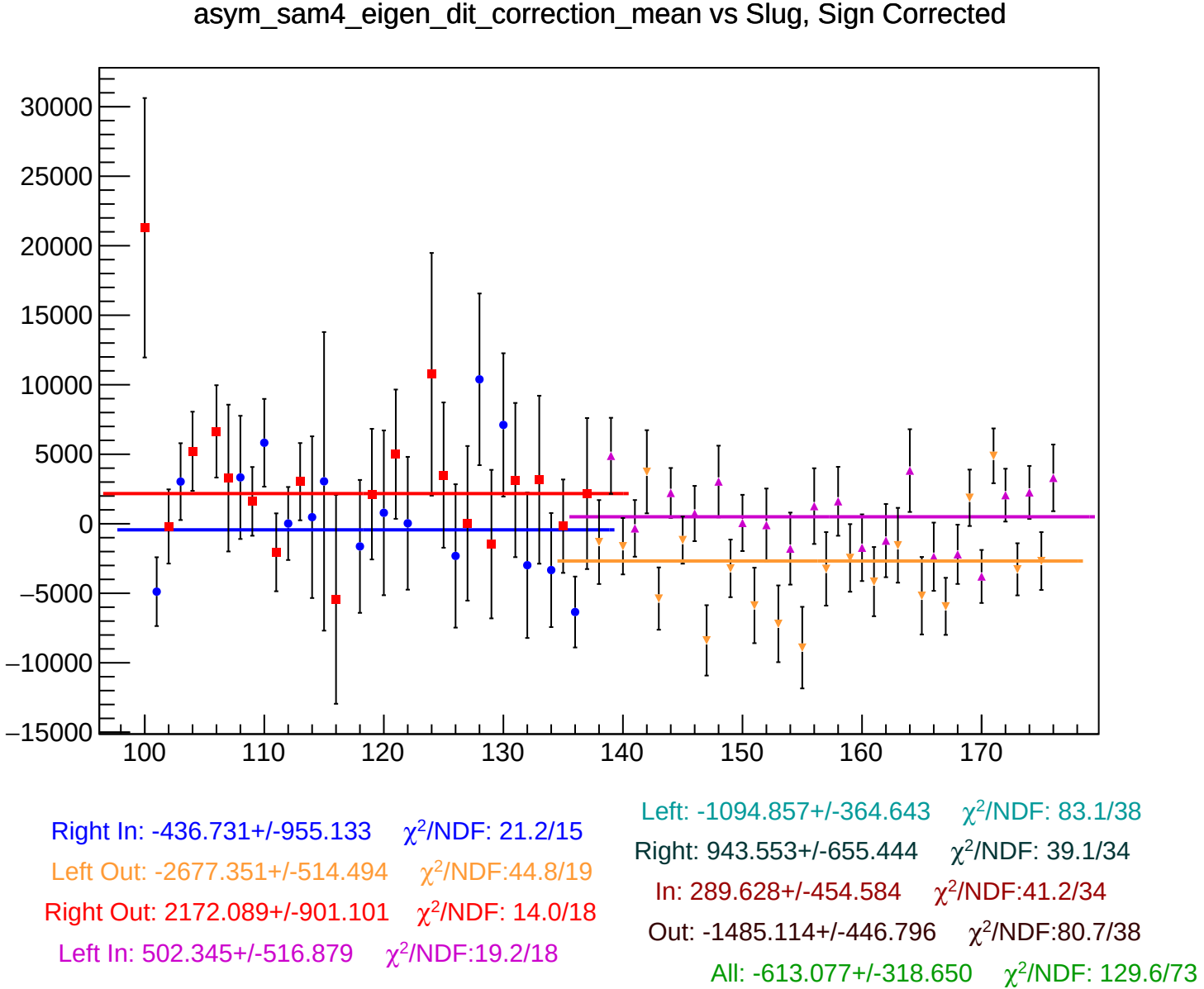
Left: 286.519+/-0.037 χ^2/NDF: 956497.2/38

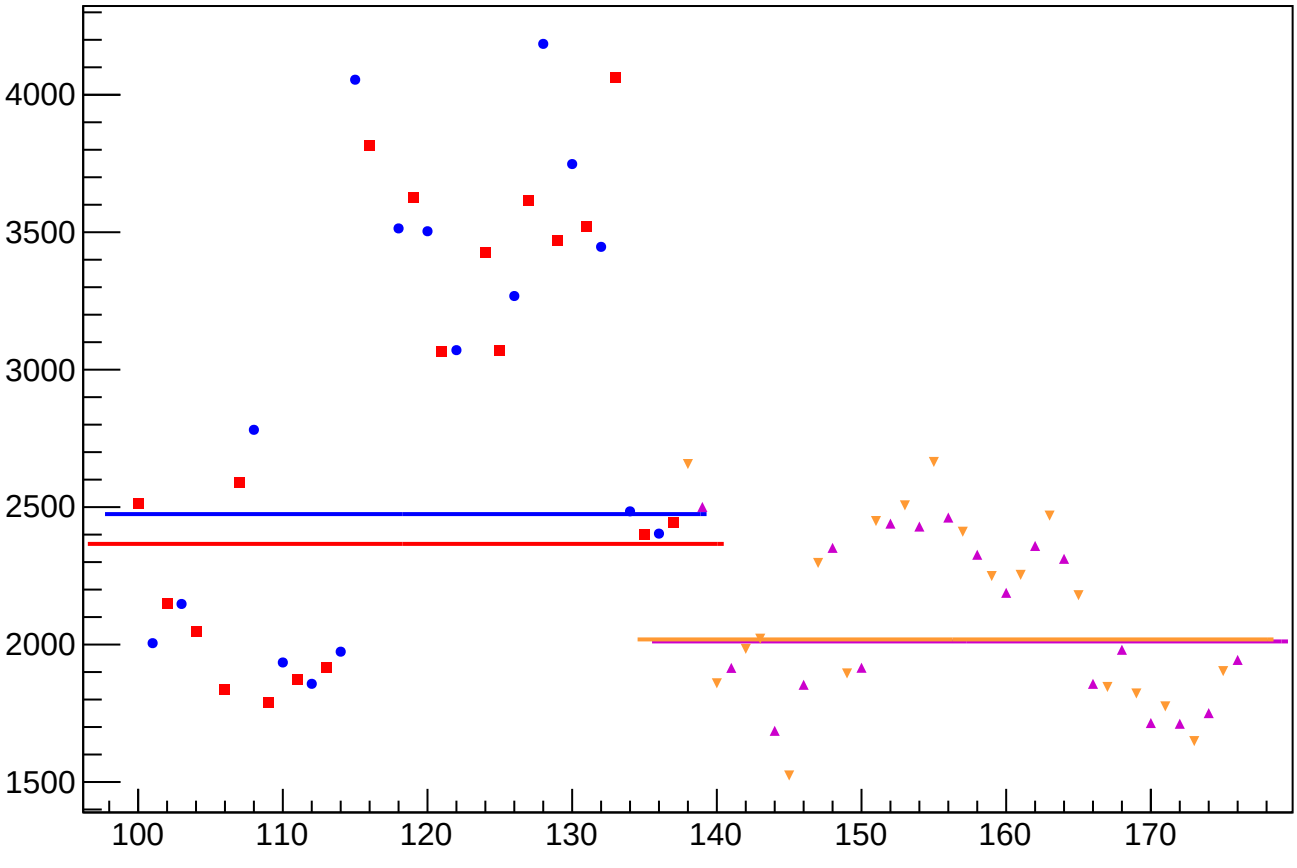
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 277.250+/-0.042 χ^2/NDF:902075.9/34

Out: 274.158+/-0.041 χ^2/NDF:1297776.2/38

All: 275.672+/-0.029 χ^2/NDF: 2202634.6/73


asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -436.731+/-955.133 χ²/NDF: 21.2/15
Left Out: -2677.351+/-514.494 χ²/NDF:44.8/19
Right Out: 2172.089+/-901.101 χ²/NDF: 14.0/18
Left In: 502.345+/-516.879 χ²/NDF:19.2/18
Left: -1094.857+/-364.643 χ²/NDF: 83.1/38
Right: 943.553+/-655.444 χ²/NDF: 39.1/34
In: 289.628+/-454.584 χ²/NDF:41.2/34
Out: -1485.114+/-446.796 χ²/NDF:80.7/38
All: -613.077+/-318.650 χ²/NDF: 129.6/73



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2018.684+/-0.364 χ^2/NDF:803308.4/19

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2011.386+/-0.365 χ^2/NDF:590001.0/18

Left: 2015.052+/-0.258 χ^2/NDF: 1393509.7/38

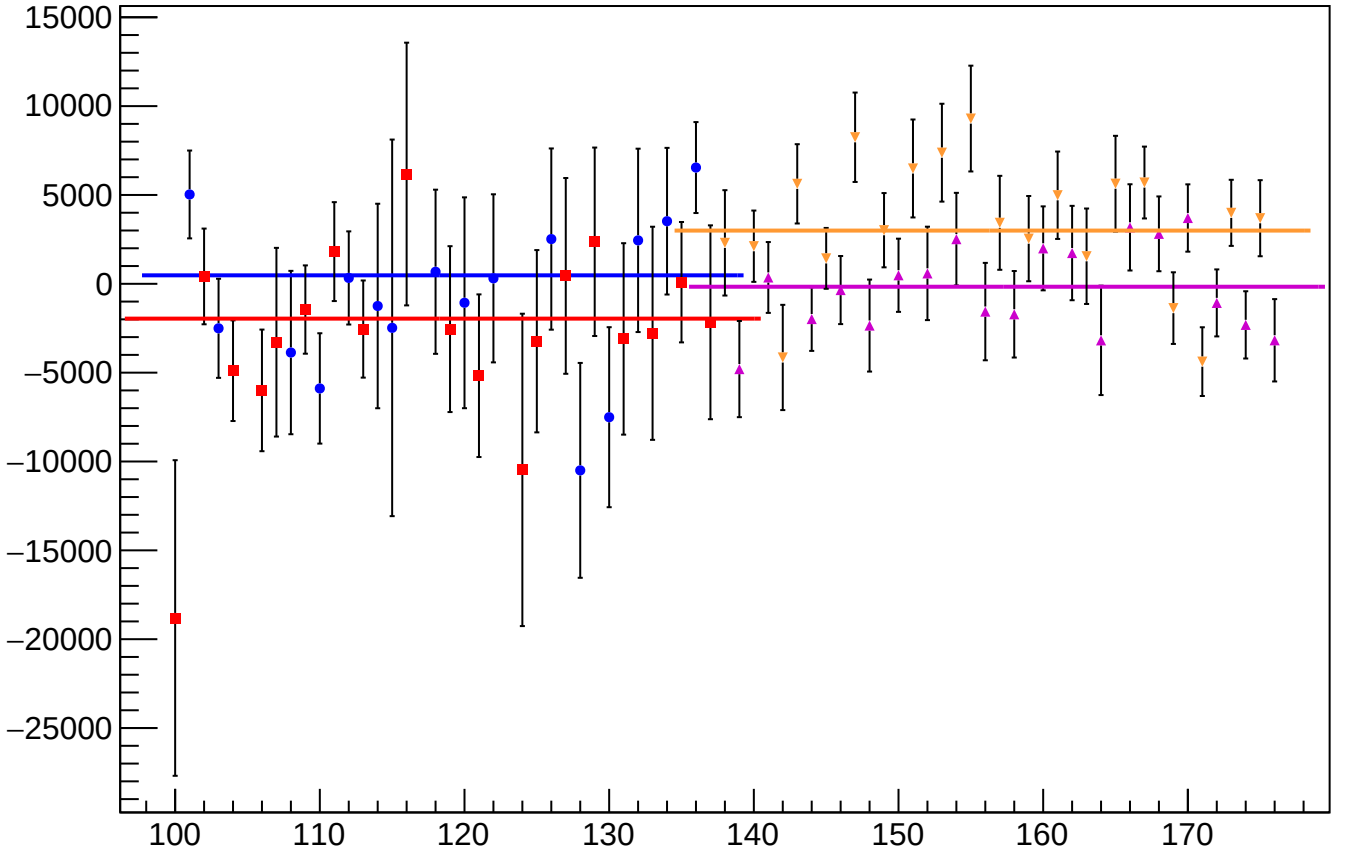
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2116.316+/-0.321 χ^2/NDF:1870132.2/34

Out: 2104.126+/-0.316 χ^2/NDF:2104842.1/38

All: 2110.116+/-0.225 χ^2/NDF: 3975705.8/73

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2995.794+/-512.631 χ^2/NDF:44.6/19

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -164.550+/-513.113 χ^2/NDF:20.2/18

Left: 1417.105+/-362.655 χ^2/NDF: 83.9/38

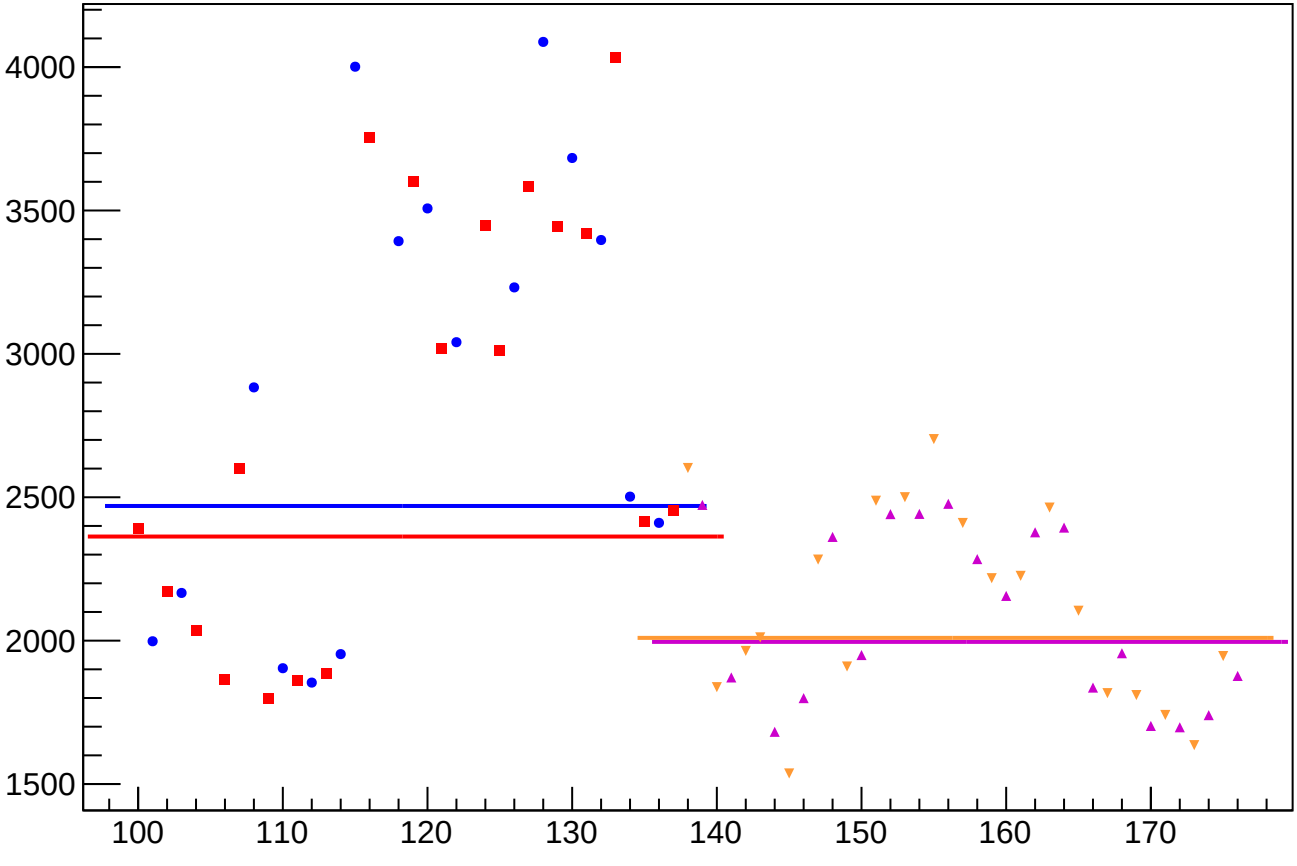
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -20.245+/-451.763 χ^2/NDF:42.7/34

Out: 1781.341+/-445.405 χ^2/NDF:80.4/38

All: 893.315+/-317.173 χ^2/NDF: 131.2/73

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2009.685+/-0.362 χ^2/NDF:802811.5/19

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1995.698+/-0.363 χ^2/NDF:632140.8/18

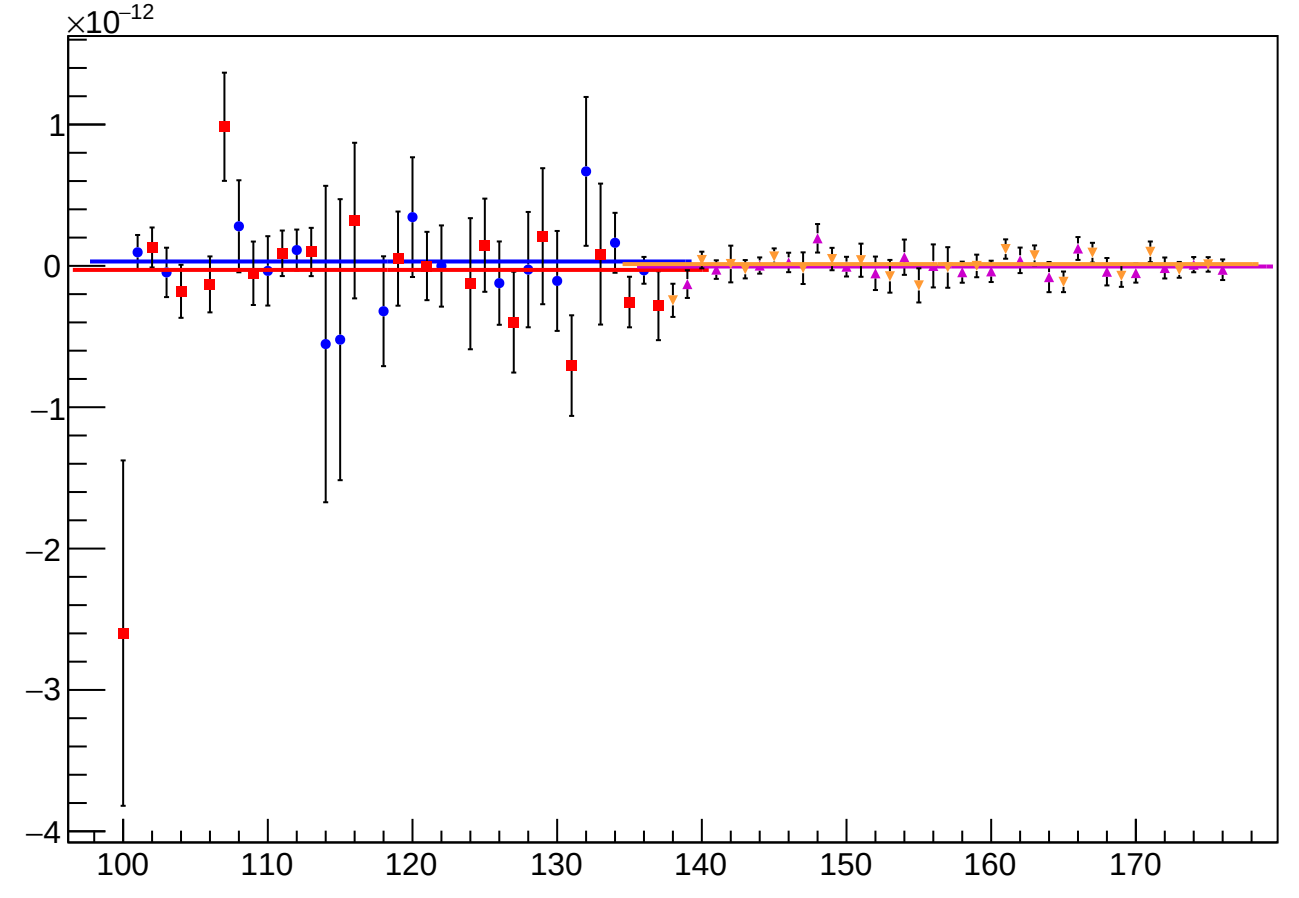
Left: 2002.698+/-0.256 χ^2/NDF: 1435696.1/38

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2102.255+/-0.319 χ^2/NDF:1901951.2/34

Out: 2096.289+/-0.315 χ^2/NDF:2079064.2/38

All: 2099.230+/-0.224 χ^2/NDF: 3981192.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/18

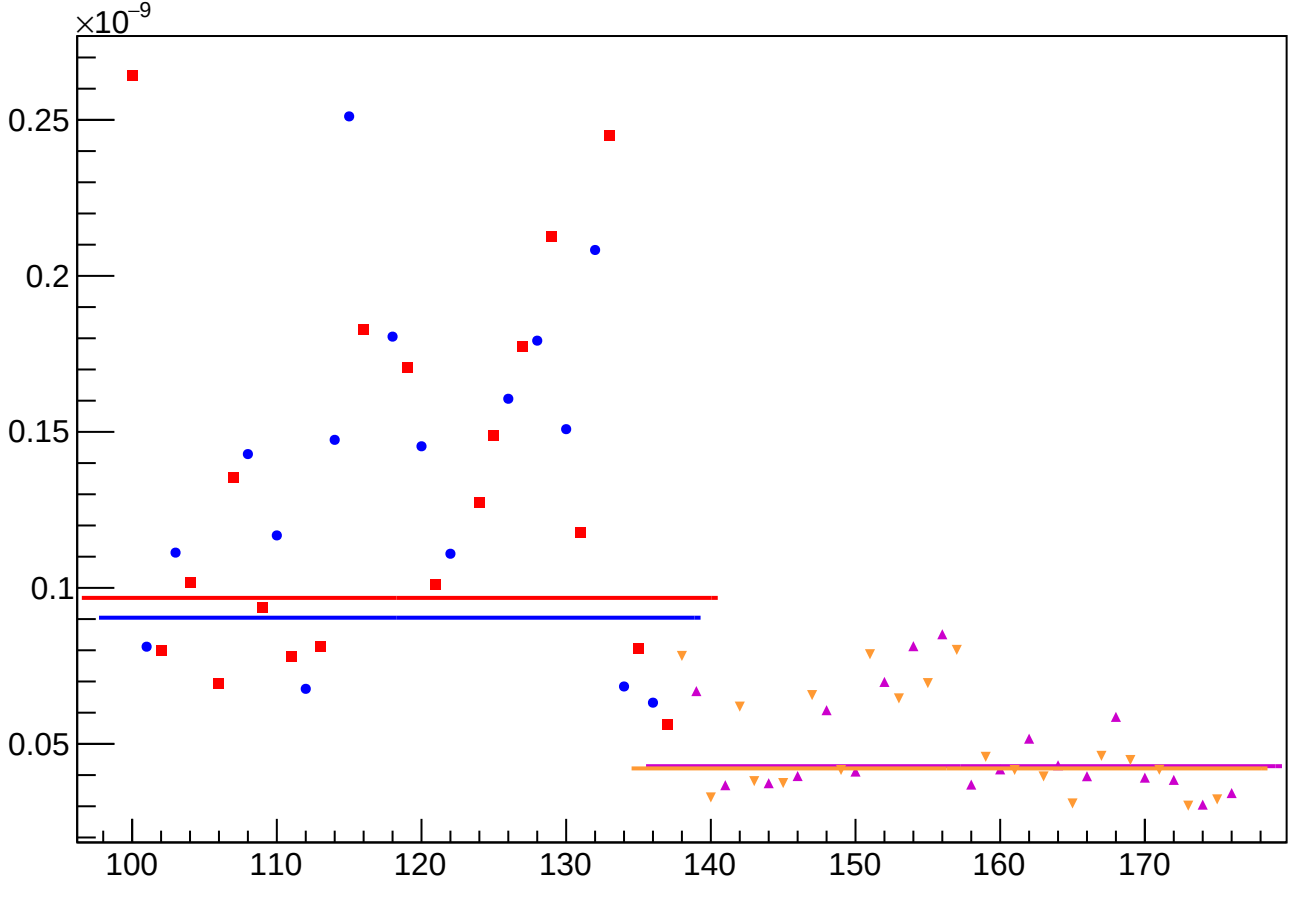
Left: 0.000+/-0.000 χ^2/NDF: 30.5/38

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: -0.000+/-0.000 χ^2/NDF:17.3/34

Out: 0.000+/-0.000 χ^2/NDF:42.9/38

All: 0.000+/-0.000 χ^2/NDF: 60.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136717.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:906397.3/18

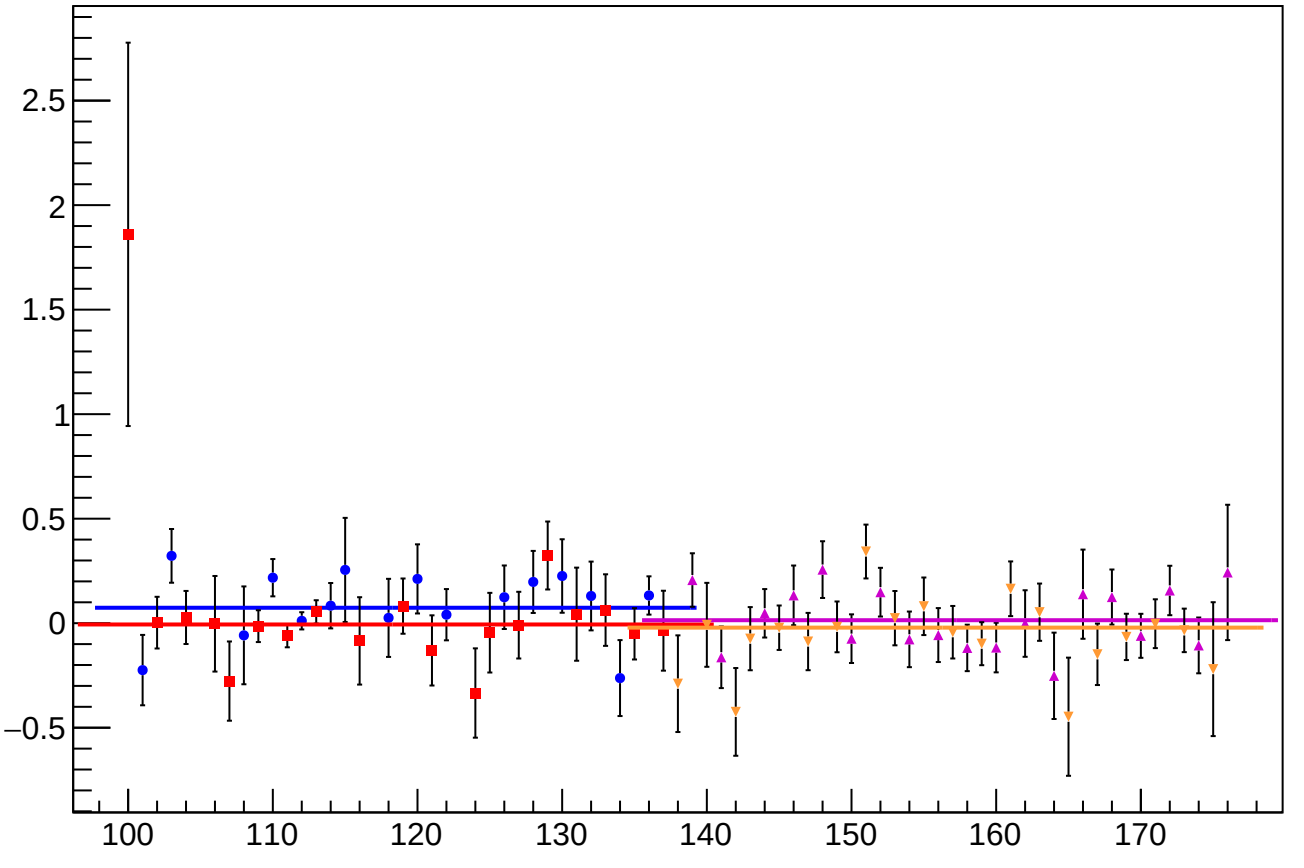
Left: 0.000+/-0.000 χ^2/NDF: 2044805.7/38

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3300288.6/34

Out: 0.000+/-0.000 χ^2/NDF:3737322.1/38

All: 0.000+/-0.000 χ^2/NDF: 7042078.7/73



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:18.9/18

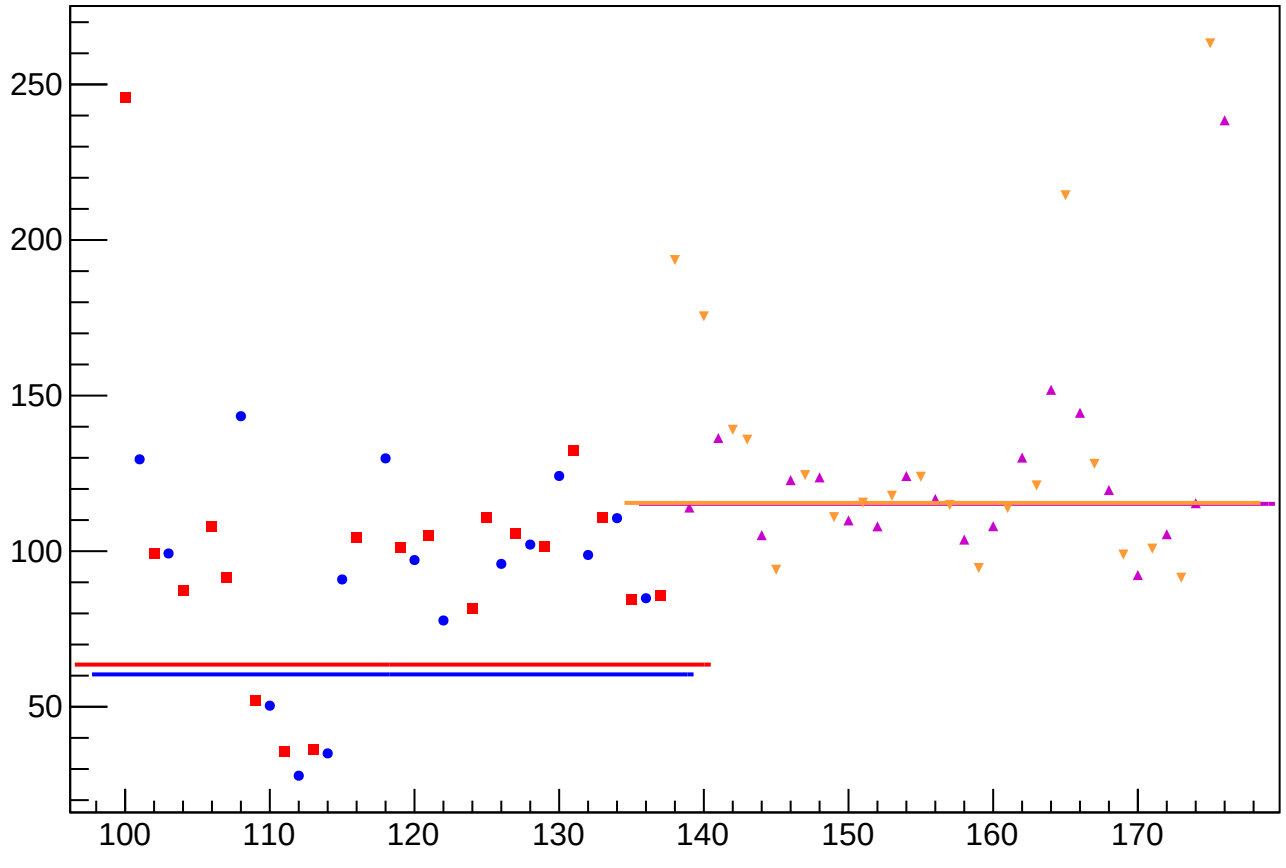
Left: -0.003+/-0.022 χ^2/NDF: 40.2/38

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.7/73



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

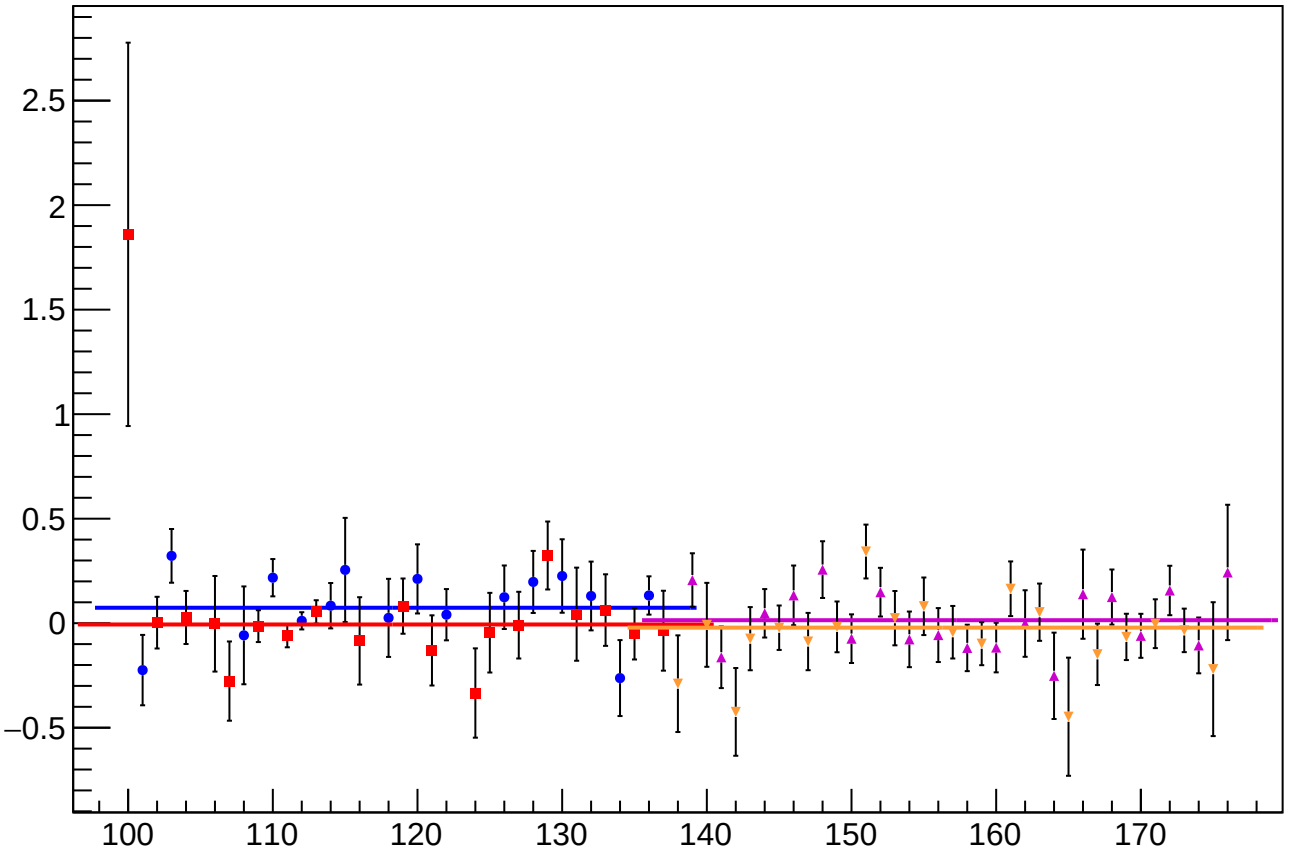
Left: 115.366+/-0.015 χ^2/NDF: 2161174.6/38

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 84.442+/-0.014 χ^2/NDF:7788460.8/34

Out: 86.248+/-0.014 χ^2/NDF:7453760.2/38

All: 85.350+/-0.010 χ^2/NDF: 15250227.7/73



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:18.9/18

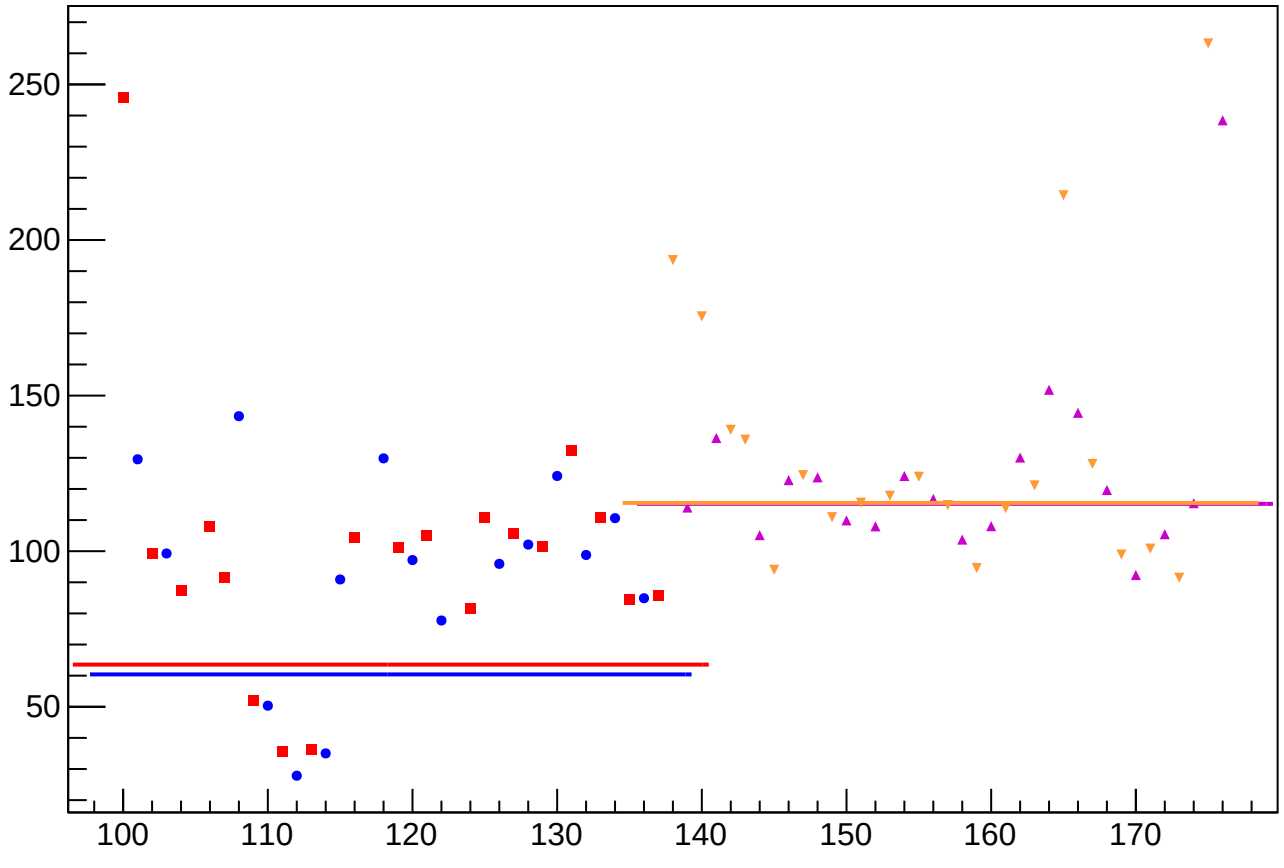
Left: -0.003+/-0.022 χ^2/NDF: 40.2/38

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.7/73



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 115.515+/-0.022 χ^2/NDF:1522851.3/19

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

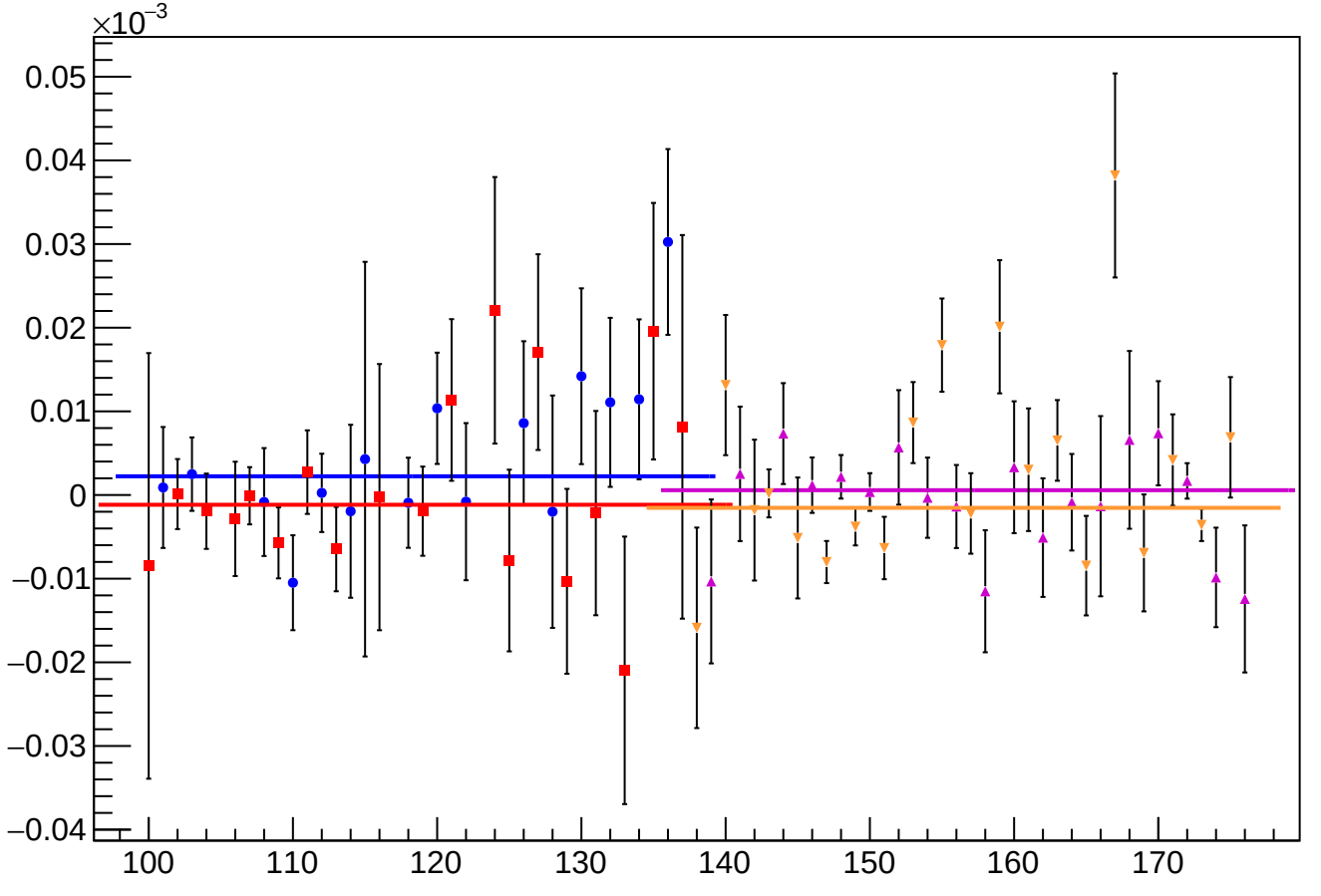
Left: 115.366+/-0.015 χ^2/NDF: 2161174.6/38

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 84.442+/-0.014 χ^2/NDF:7788460.8/34

Out: 86.248+/-0.014 χ^2/NDF:7453760.2/38

All: 85.350+/-0.010 χ^2/NDF: 15250227.7/73



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

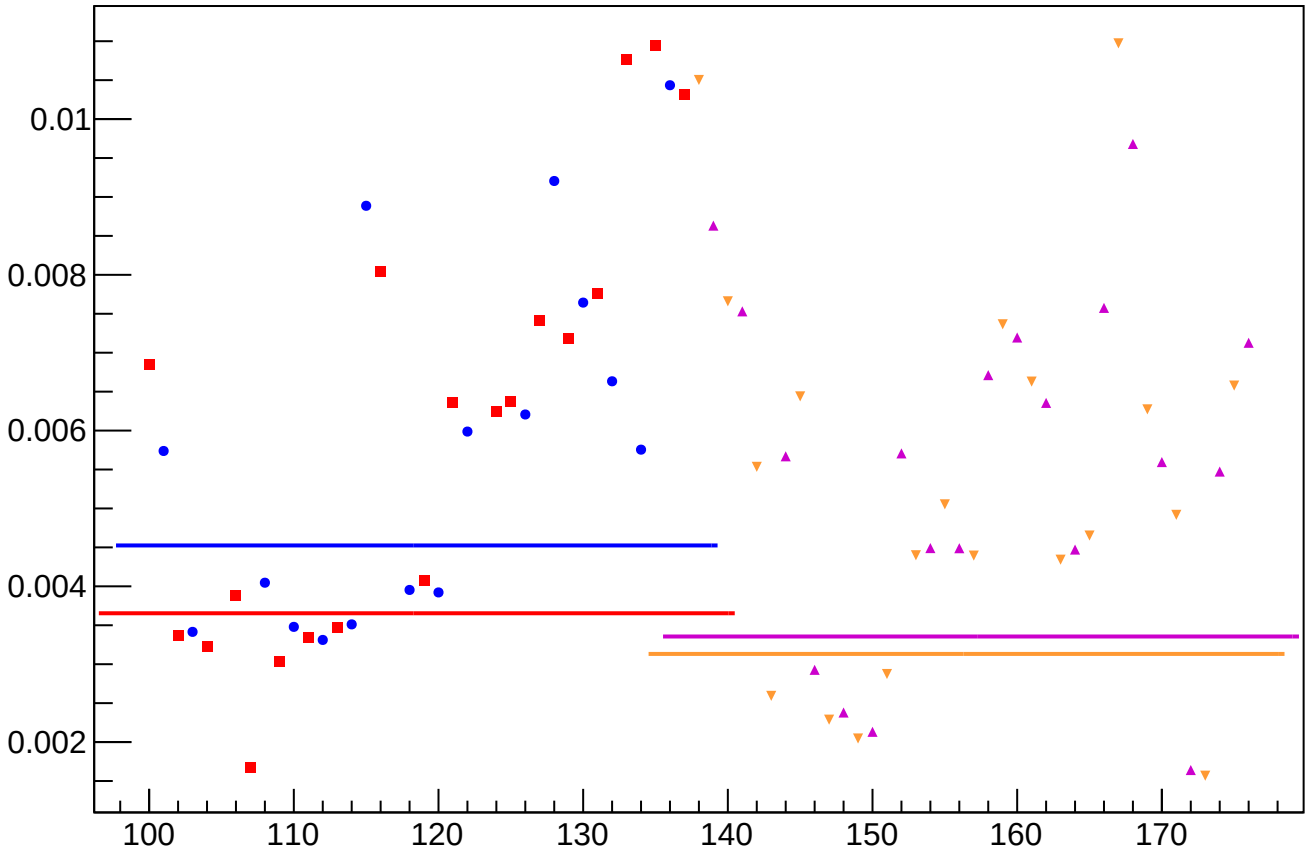
Left: -0.000+/-0.000 χ^2/NDF: 74.5/38

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: -0.000+/-0.000 χ^2/NDF:71.9/38

All: -0.000+/-0.000 χ^2/NDF: 108.5/73



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7700888.8/19

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7307174.1/18

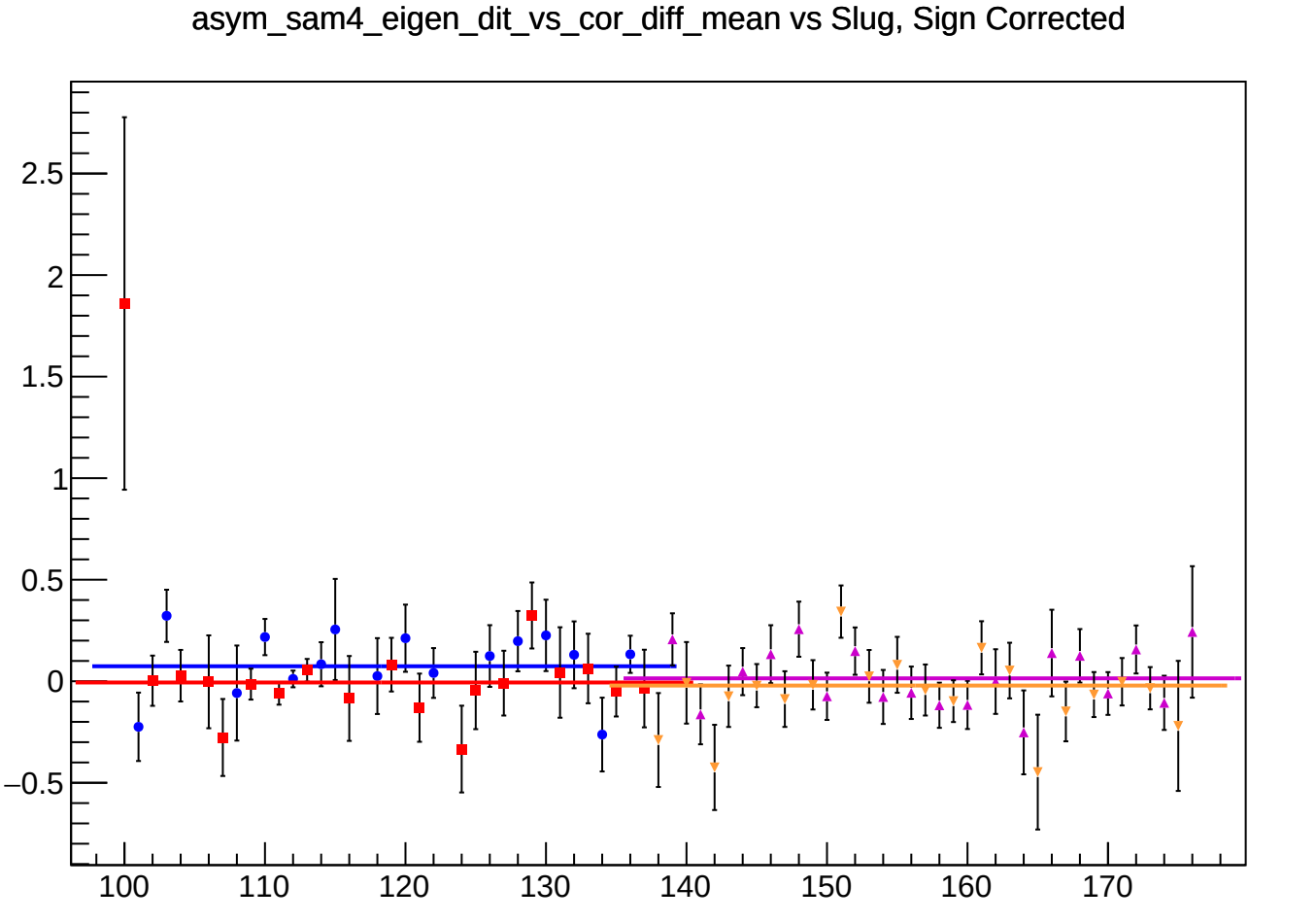
Left: 0.003+/-0.000 χ^2/NDF: 15061794.7/38

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9665129.1/34

Out: 0.003+/-0.000 χ^2/NDF:10809986.4/38

All: 0.003+/-0.000 χ^2/NDF: 20657983.4/73



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:19.0/18

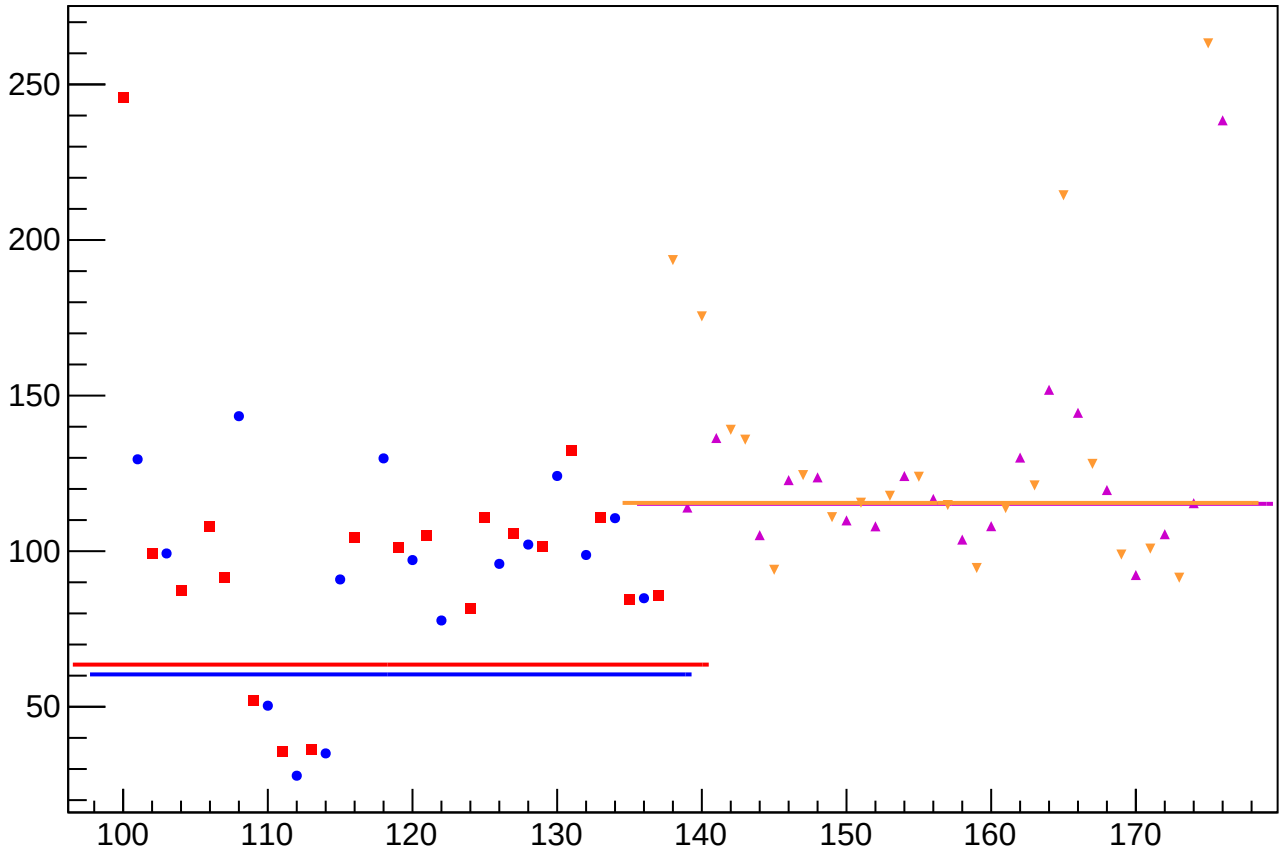
Left: -0.003+/-0.022 χ^2/NDF: 40.2/38

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.7/73



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

Left: 115.367+/-0.015 χ^2/NDF: 2161133.5/38

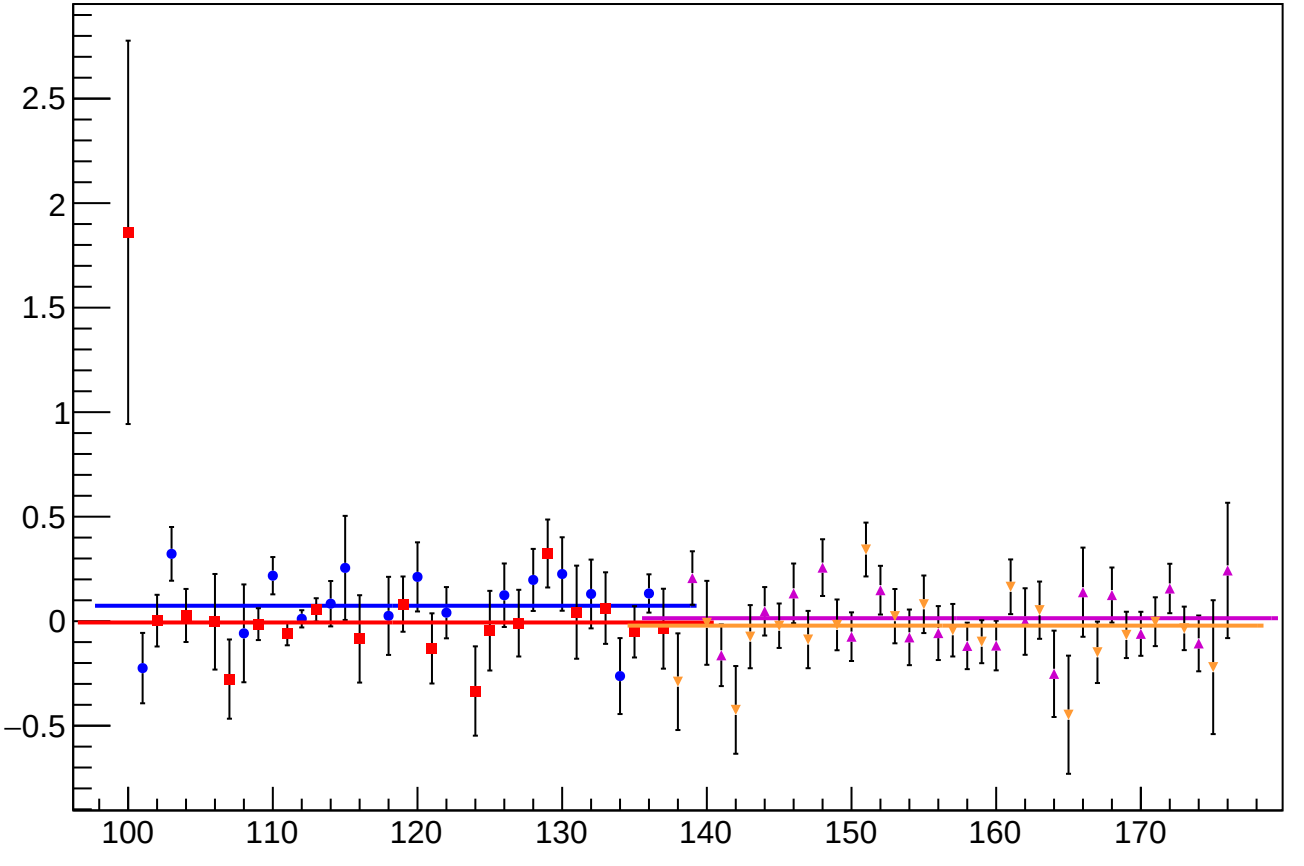
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 84.440+/-0.014 χ^2/NDF:7789134.4/34

Out: 86.247+/-0.014 χ^2/NDF:7454379.0/38

All: 85.348+/-0.010 χ^2/NDF: 15251523.1/73

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.021+/-0.030 χ^2/NDF:20.6/19

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:19.0/18

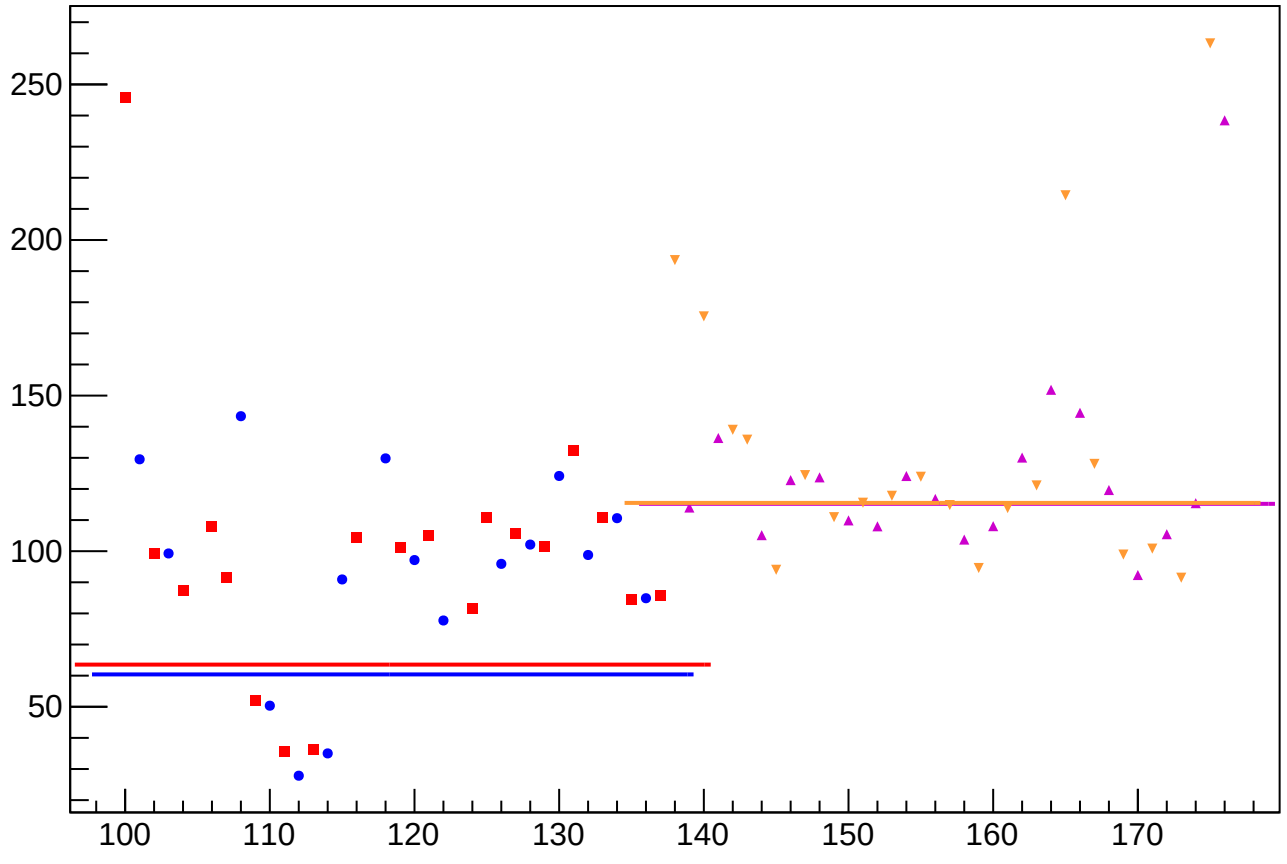
Left: -0.003+/-0.022 χ^2/NDF: 40.2/38

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.013+/-0.020 χ^2/NDF:37.1/38

All: 0.017+/-0.014 χ^2/NDF: 81.7/73



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 115.516+/-0.022 χ^2/NDF:1522827.4/19

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

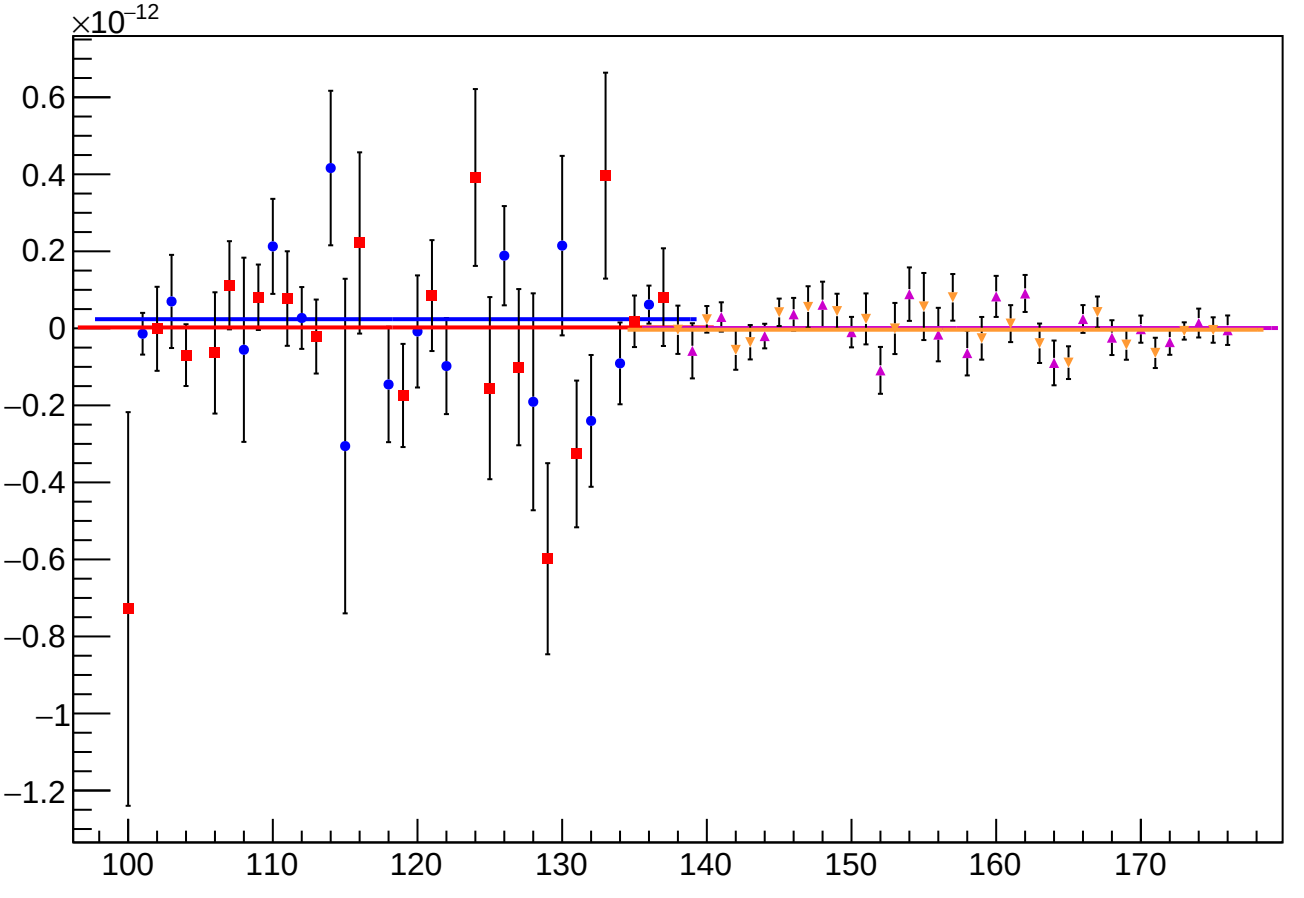
Left: 115.367+/-0.015 χ^2/NDF: 2161133.5/38

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 84.440+/-0.014 χ^2/NDF:7789134.4/34

Out: 86.247+/-0.014 χ^2/NDF:7454379.0/38

All: 85.348+/-0.010 χ^2/NDF: 15251523.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/18

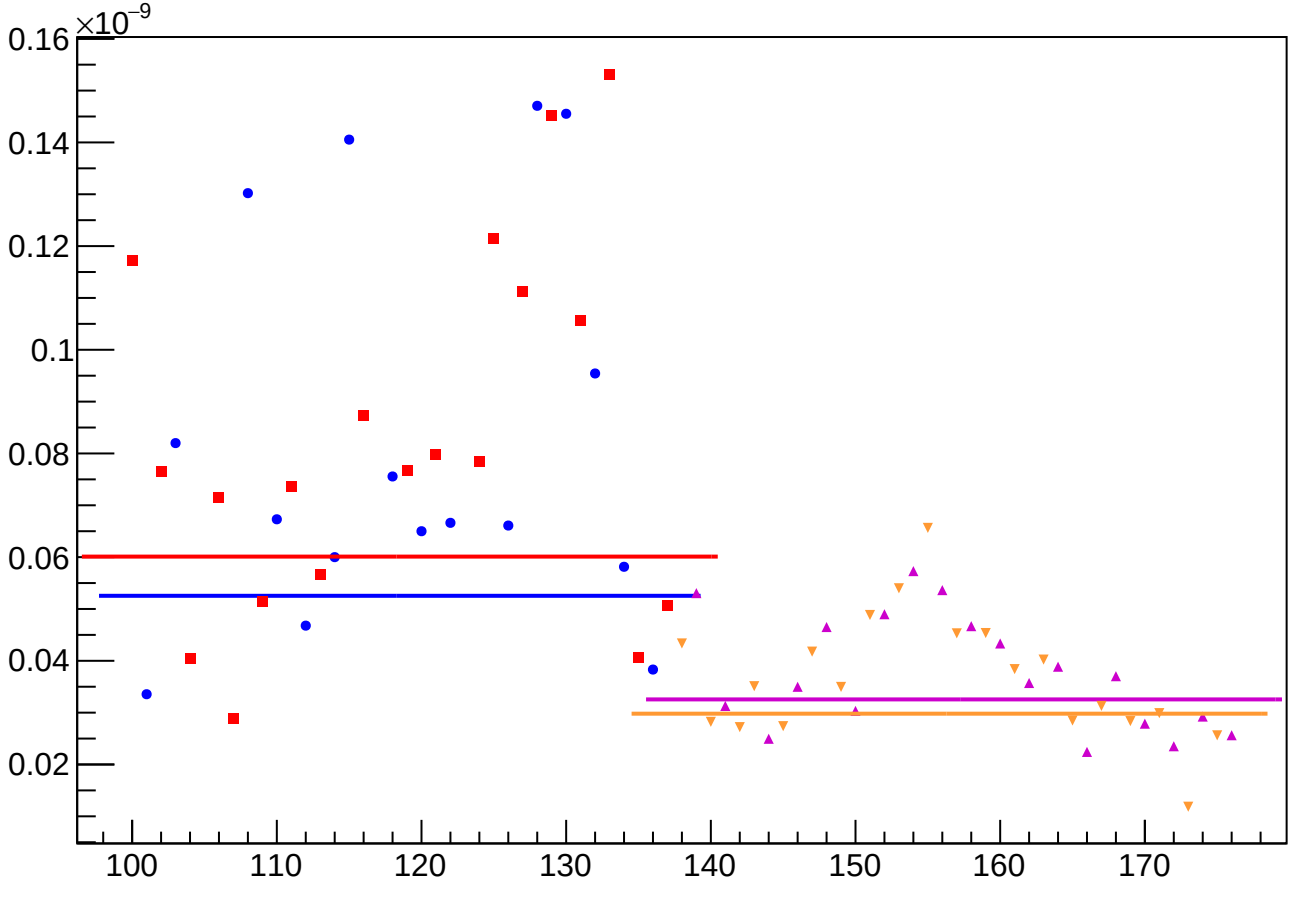
Left: -0.000+/-0.000 χ^2/NDF: 38.3/38

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:37.5/34

Out: -0.000+/-0.000 χ^2/NDF:41.3/38

All: 0.000+/-0.000 χ^2/NDF: 79.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2789220.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1659913.2/18

Left: 0.000+/-0.000 χ^2/NDF: 4527435.3/38

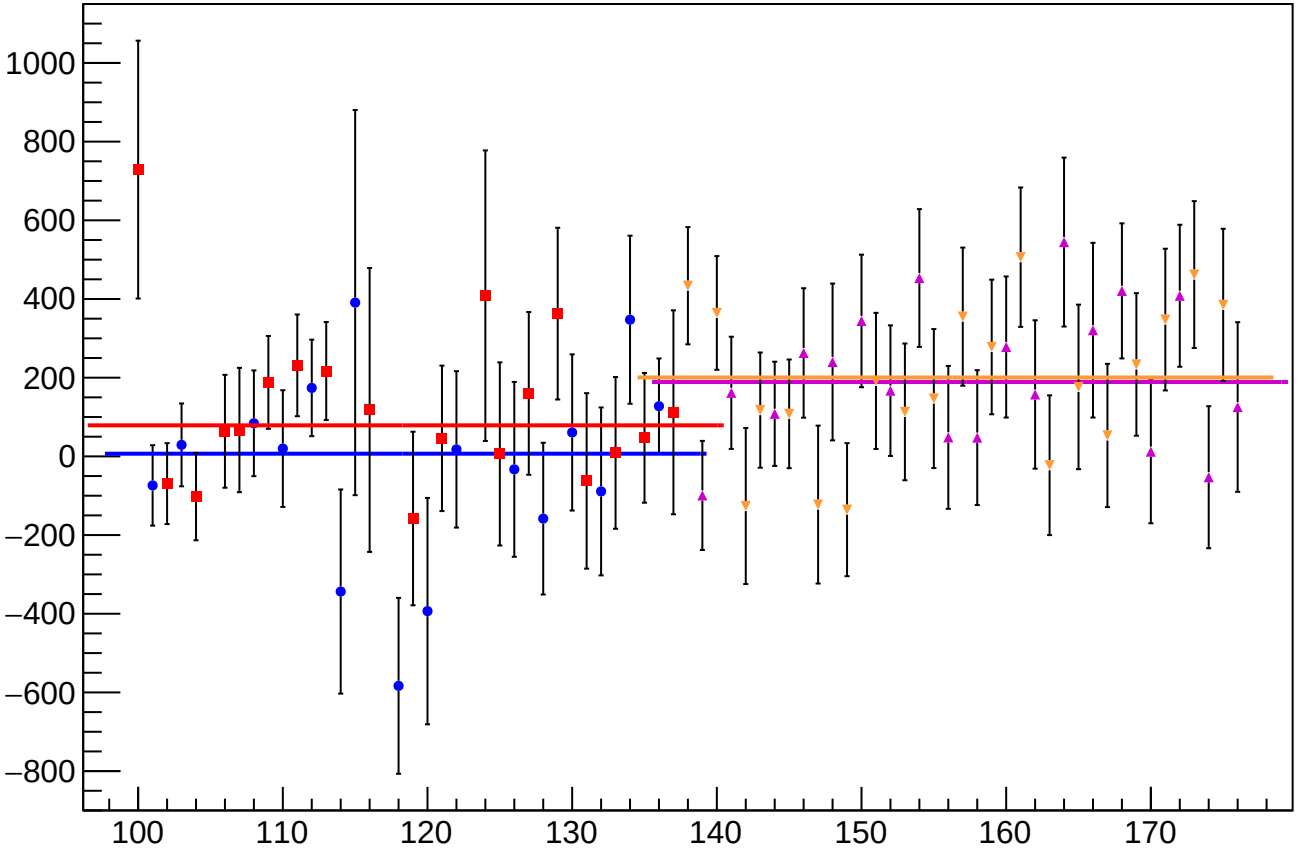
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4322231.1/34

Out: 0.000+/-0.000 χ^2/NDF:6314381.1/38

All: 0.000+/-0.000 χ^2/NDF: 10701409.6/73

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.536+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 188.988+/-39.618 χ^2/NDF:18.9/18

Left: 194.932+/-27.599 χ^2/NDF: 42.9/38

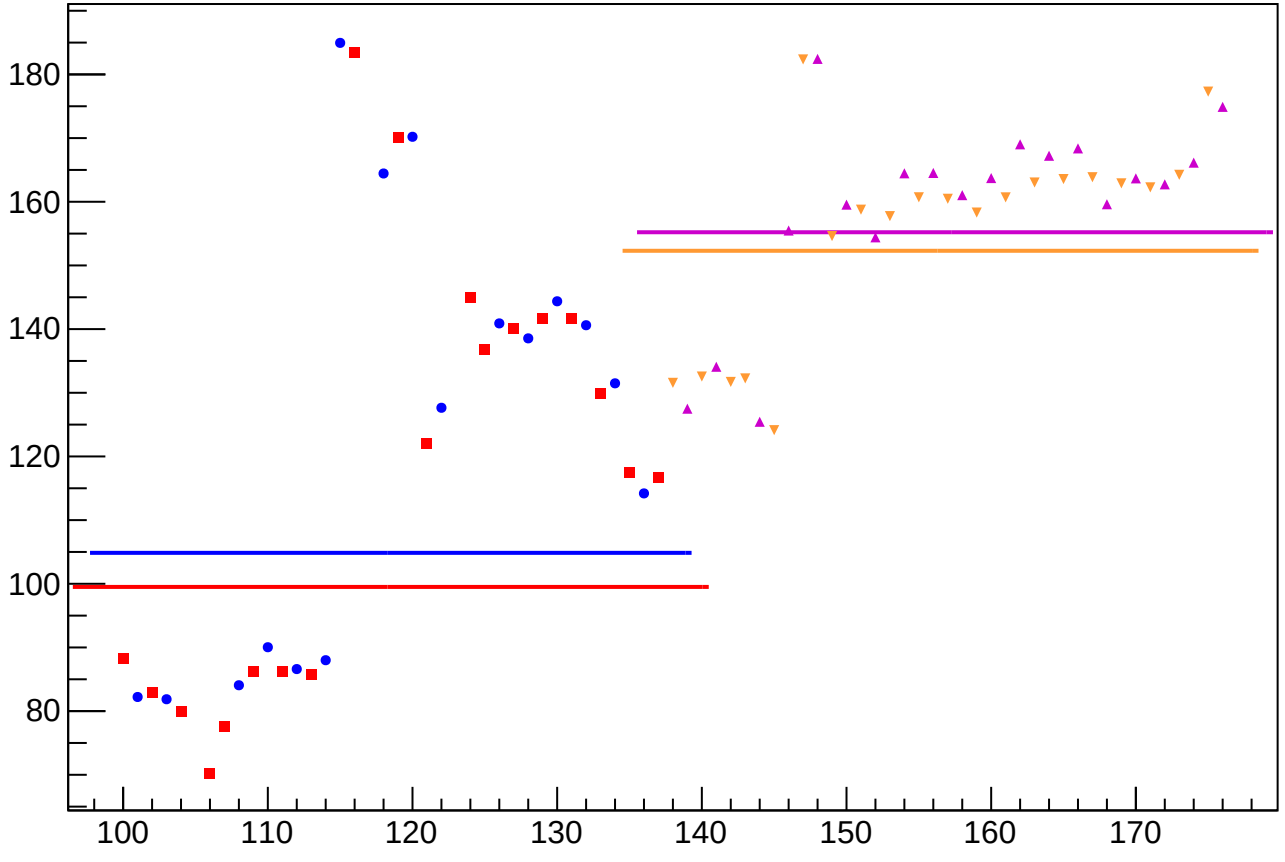
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 99.574+/-28.270 χ^2/NDF:48.1/34

Out: 138.813+/-27.000 χ^2/NDF:45.7/38

All: 120.095+/-19.526 χ^2/NDF: 94.7/73

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.8/18

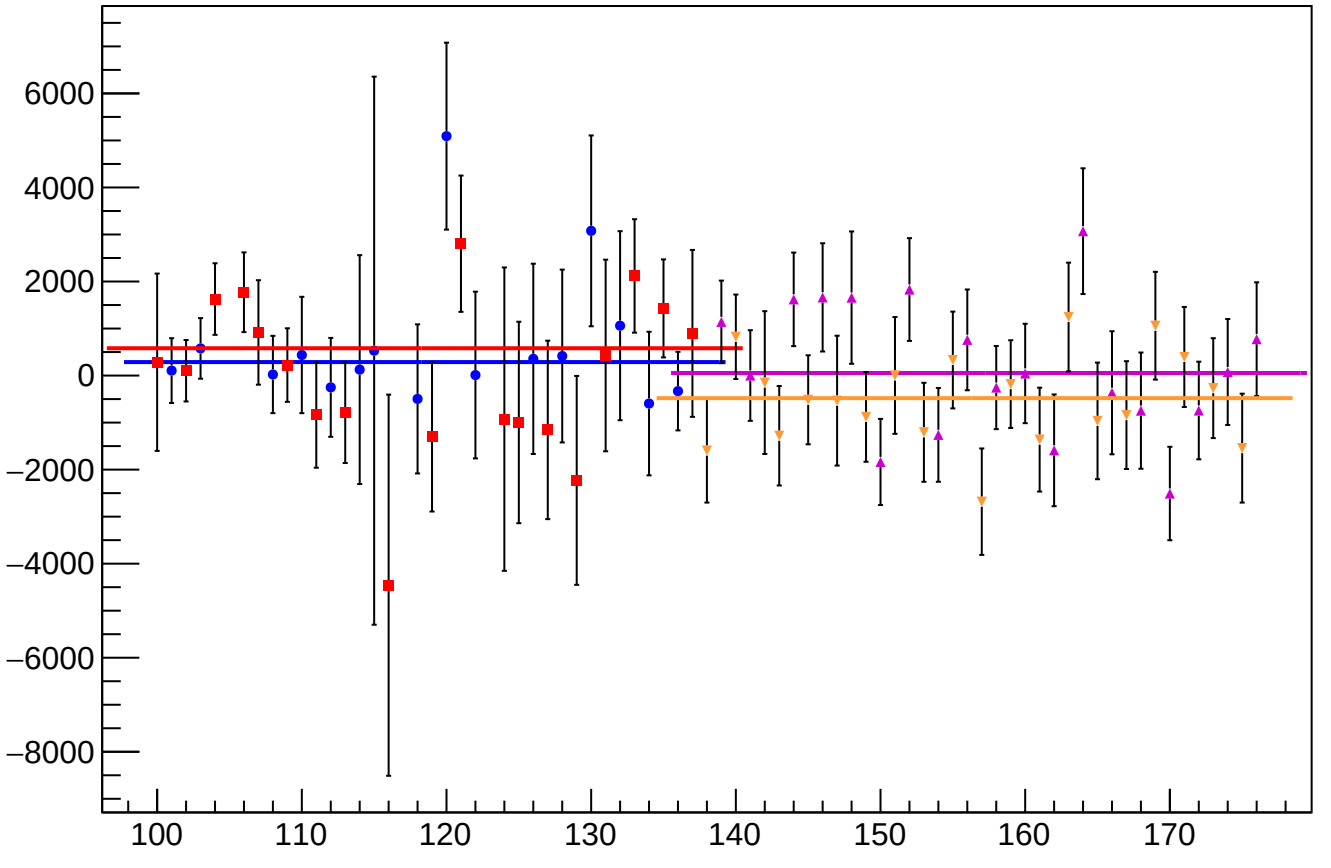
Left: 153.714+/-0.020 χ^2/NDF: 703881.7/38

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 130.499+/-0.020 χ^2/NDF:2855318.9/34

Out: 125.516+/-0.019 χ^2/NDF:3310127.5/38

All: 127.893+/-0.014 χ^2/NDF: 6197944.1/73



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -479.994+/-243.934 χ^2/NDF:15.5/19

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 55.080+/-245.138 χ^2/NDF:31.6/18

Left: -213.773+/-172.911 χ^2/NDF: 49.5/38

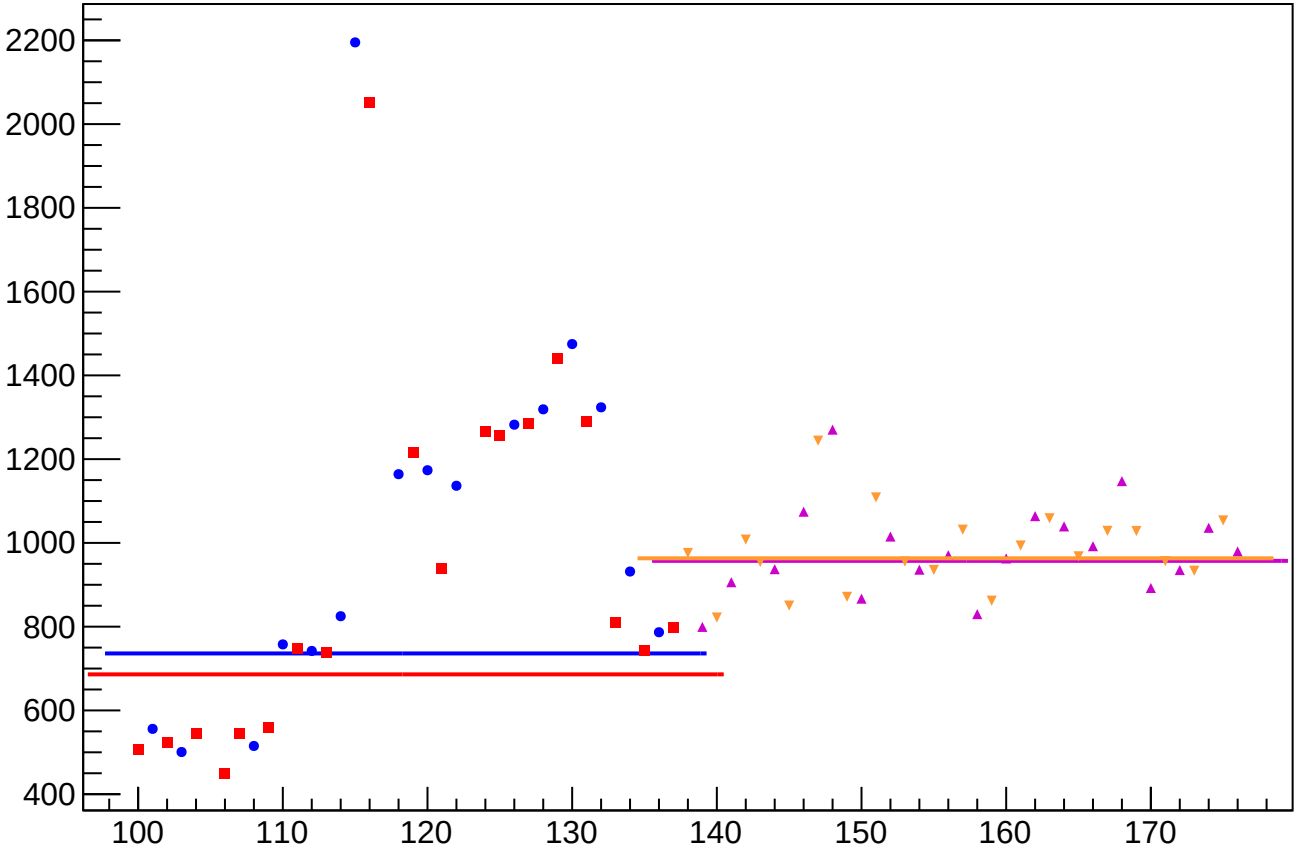
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 150.359+/-188.138 χ^2/NDF:41.6/34

Out: -2.635+/-180.935 χ^2/NDF:42.8/38

All: 70.877+/-130.413 χ^2/NDF: 84.8/73

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283490.3/19

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.157+/-0.173 χ^2/NDF:351056.9/18

Left: 960.202+/-0.122 χ^2/NDF: 635161.3/38

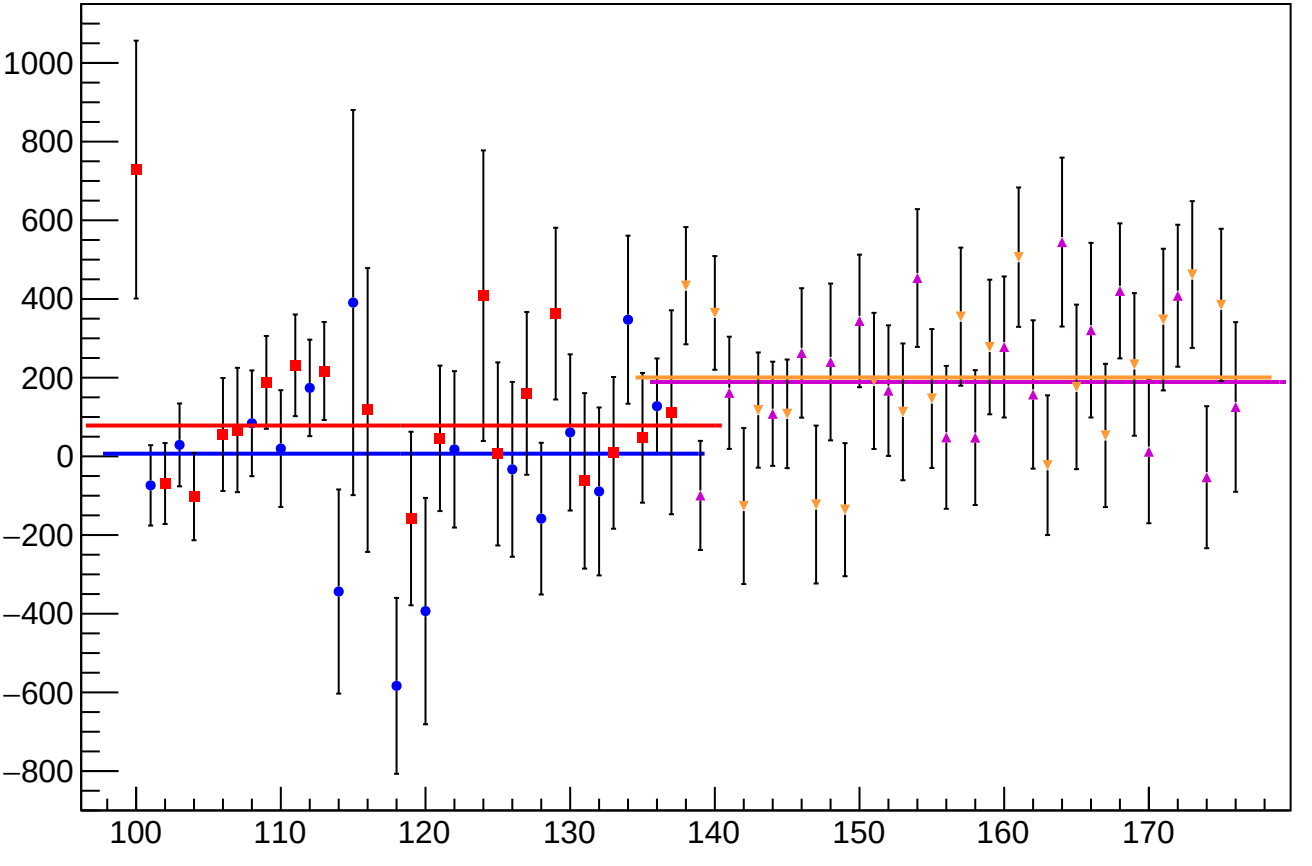
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 866.301+/-0.133 χ^2/NDF:2864044.9/34

Out: 838.566+/-0.128 χ^2/NDF:3263653.2/38

All: 851.893+/-0.092 χ^2/NDF: 6150278.1/73

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 188.991+/-39.618 χ^2/NDF:18.9/18

Left: 194.933+/-27.599 χ^2/NDF: 42.9/38

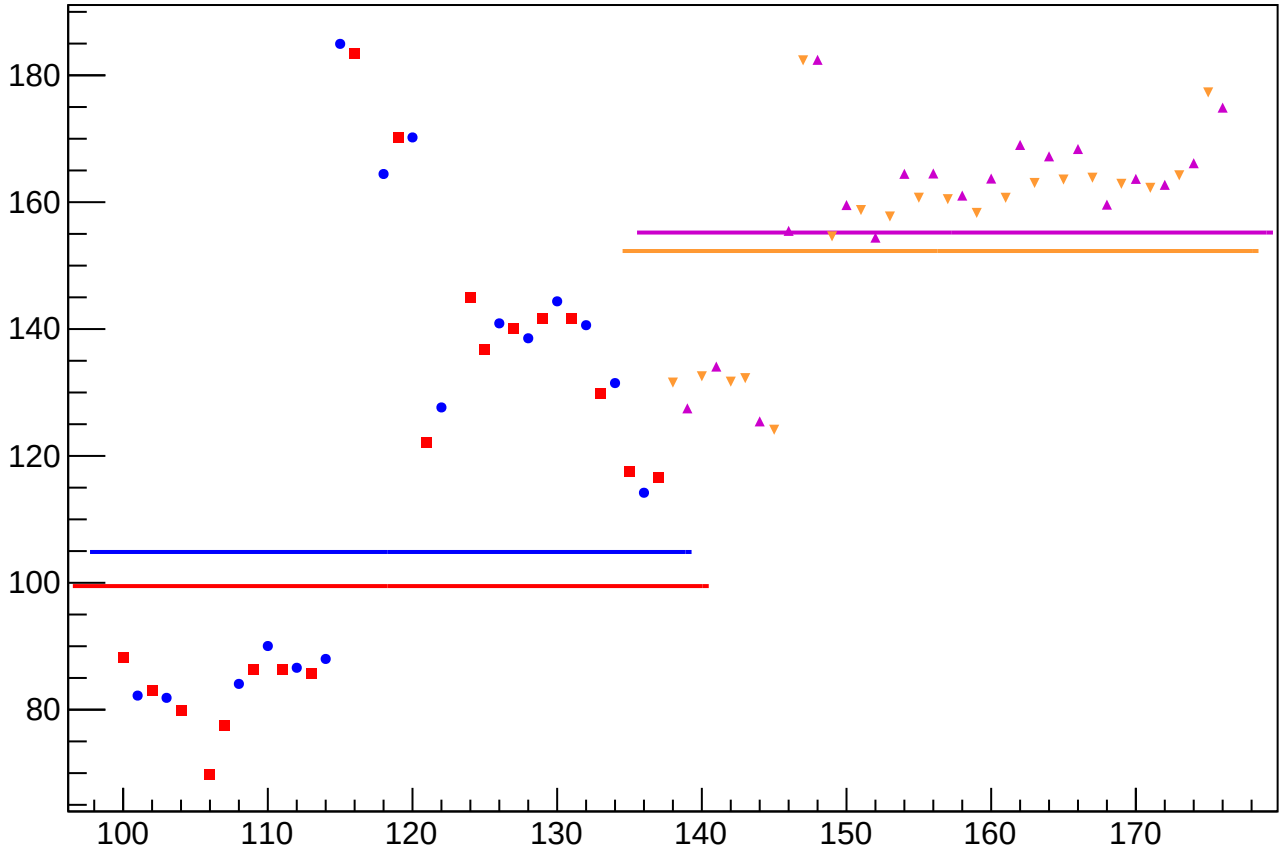
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.570+/-28.270 χ^2/NDF:48.1/34

Out: 138.545+/-27.001 χ^2/NDF:45.7/38

All: 119.952+/-19.526 χ^2/NDF: 94.8/73

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

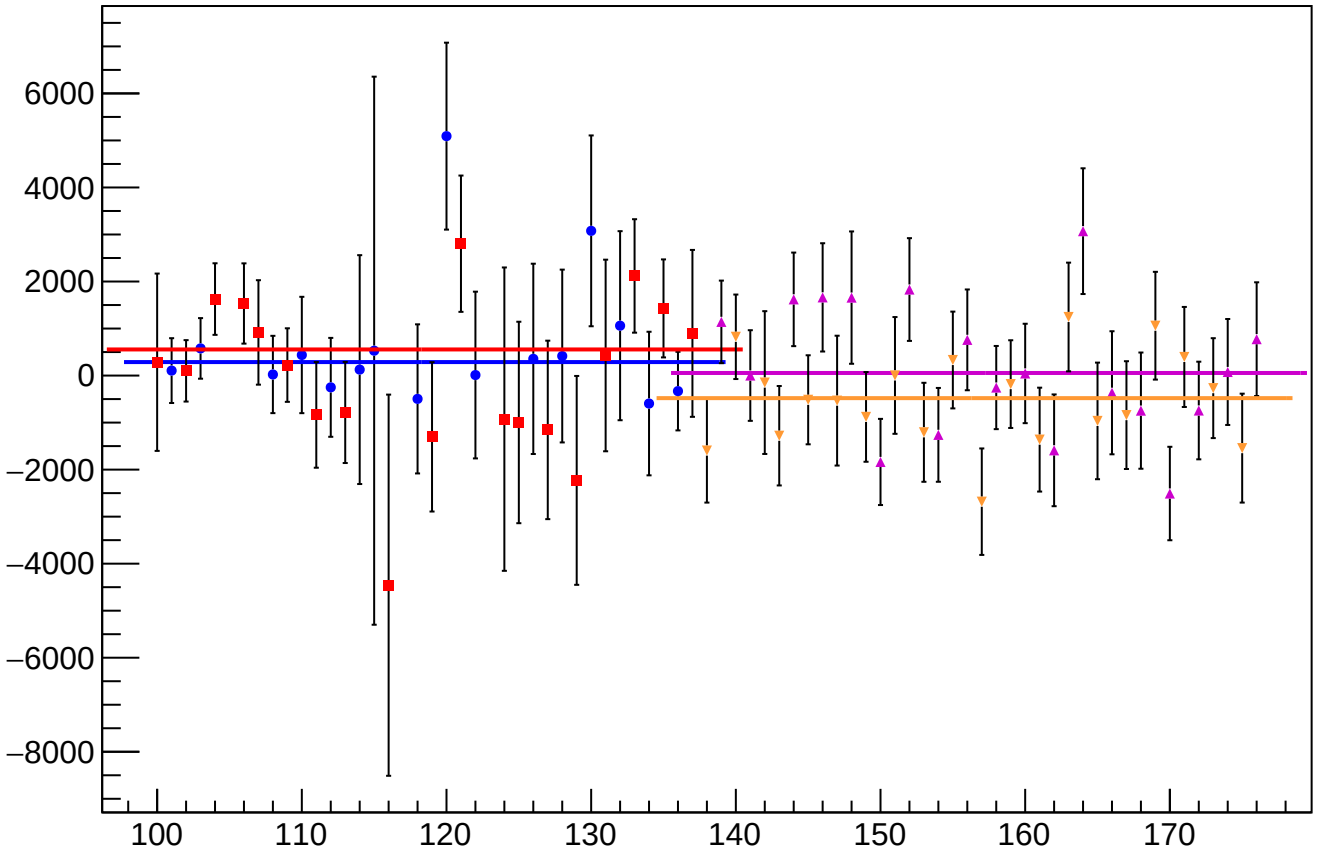
Left: 153.714+/-0.020 χ^2/NDF: 703881.8/38

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 130.499+/-0.020 χ^2/NDF:2855317.1/34

Out: 125.505+/-0.019 χ^2/NDF:3313910.9/38

All: 127.888+/-0.014 χ^2/NDF: 6201858.6/73



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 55.081+/-245.138 χ^2/NDF:31.6/18

Left: -213.771+/-172.912 χ^2/NDF: 49.5/38

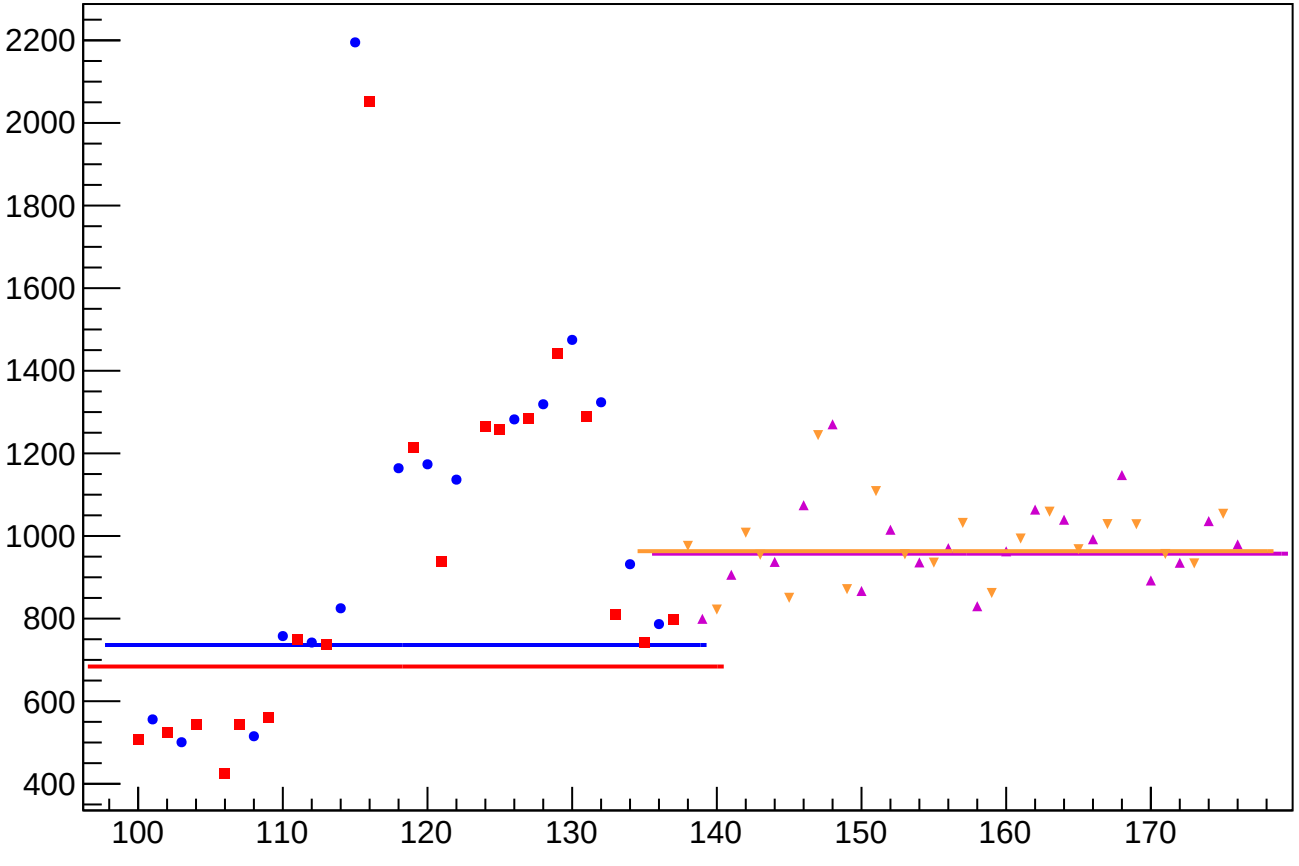
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 150.360+/-188.138 χ^2/NDF:41.6/34

Out: -14.569+/-180.989 χ^2/NDF:41.7/38

All: 64.703+/-130.433 χ^2/NDF: 83.7/73

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

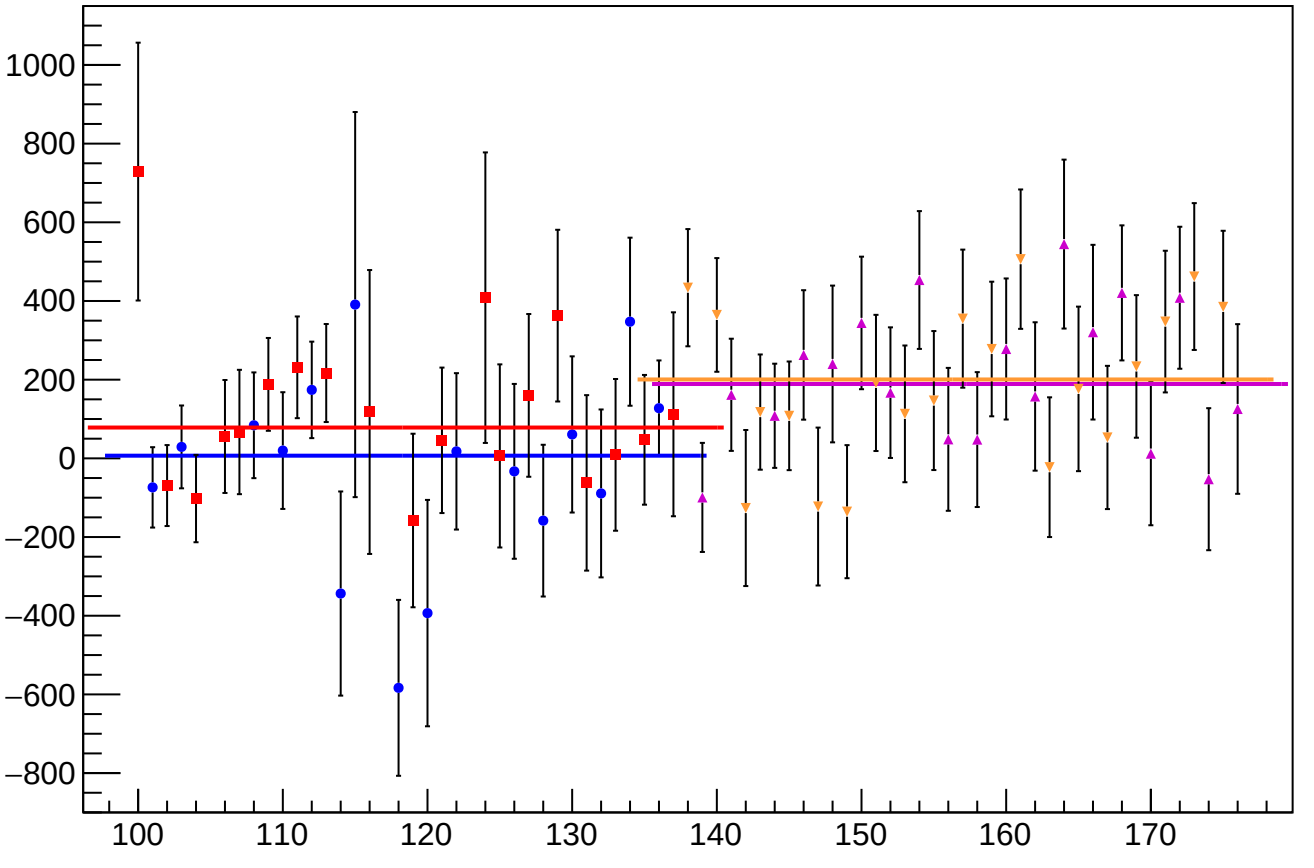
Left: 960.202+/-0.122 χ^2/NDF: 635162.7/38

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 866.301+/-0.133 χ^2/NDF:2864052.5/34

Out: 837.701+/-0.128 χ^2/NDF:3311921.2/38

All: 851.447+/-0.092 χ^2/NDF: 6199977.5/73



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 200.535+/-38.469 χ^2/NDF:23.9/19

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 188.991+/-39.618 χ^2/NDF:18.9/18

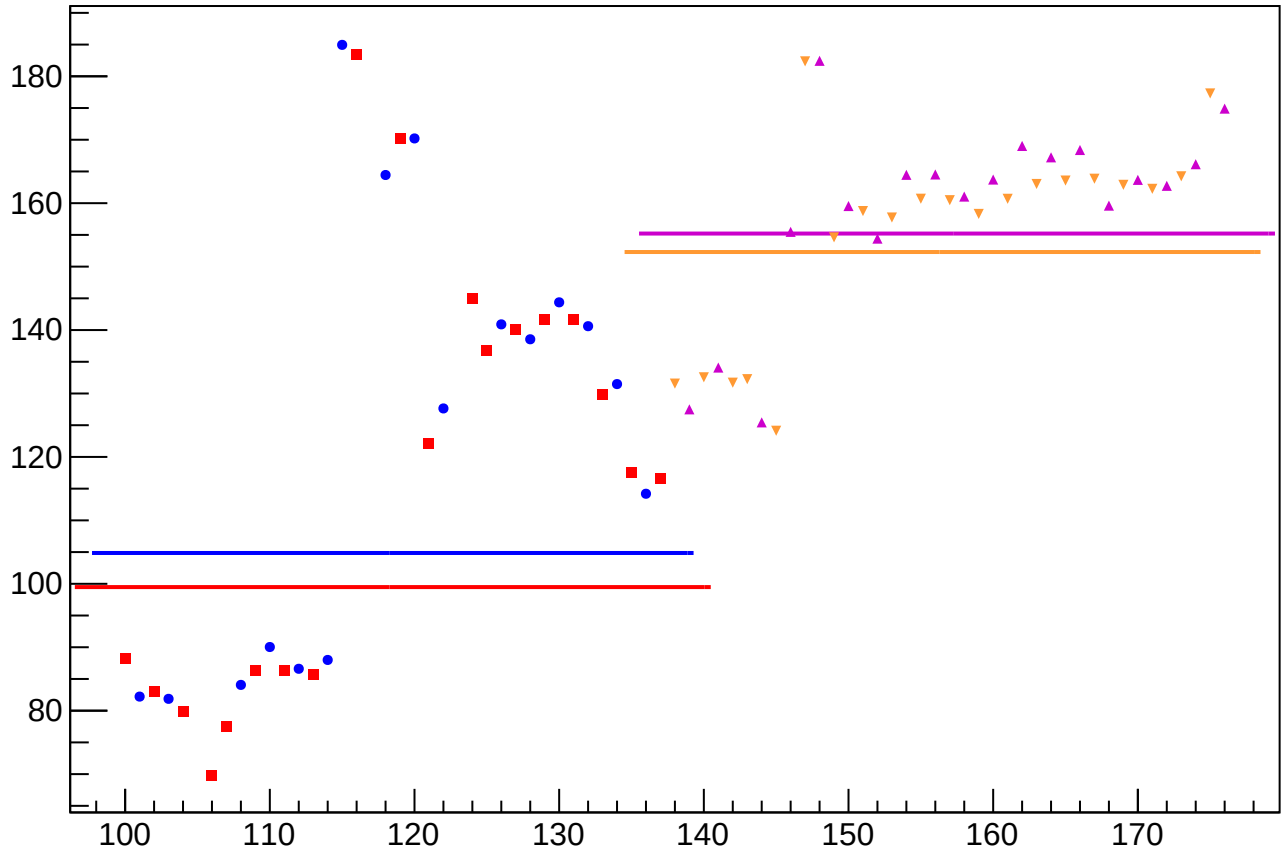
Left: 194.933+/-27.599 χ^2/NDF: 42.9/38

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.570+/-28.270 χ^2/NDF:48.1/34

Out: 138.545+/-27.001 χ^2/NDF:45.7/38

All: 119.952+/-19.526 χ^2/NDF: 94.8/73



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.302+/-0.027 χ^2/NDF:359878.7/19

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

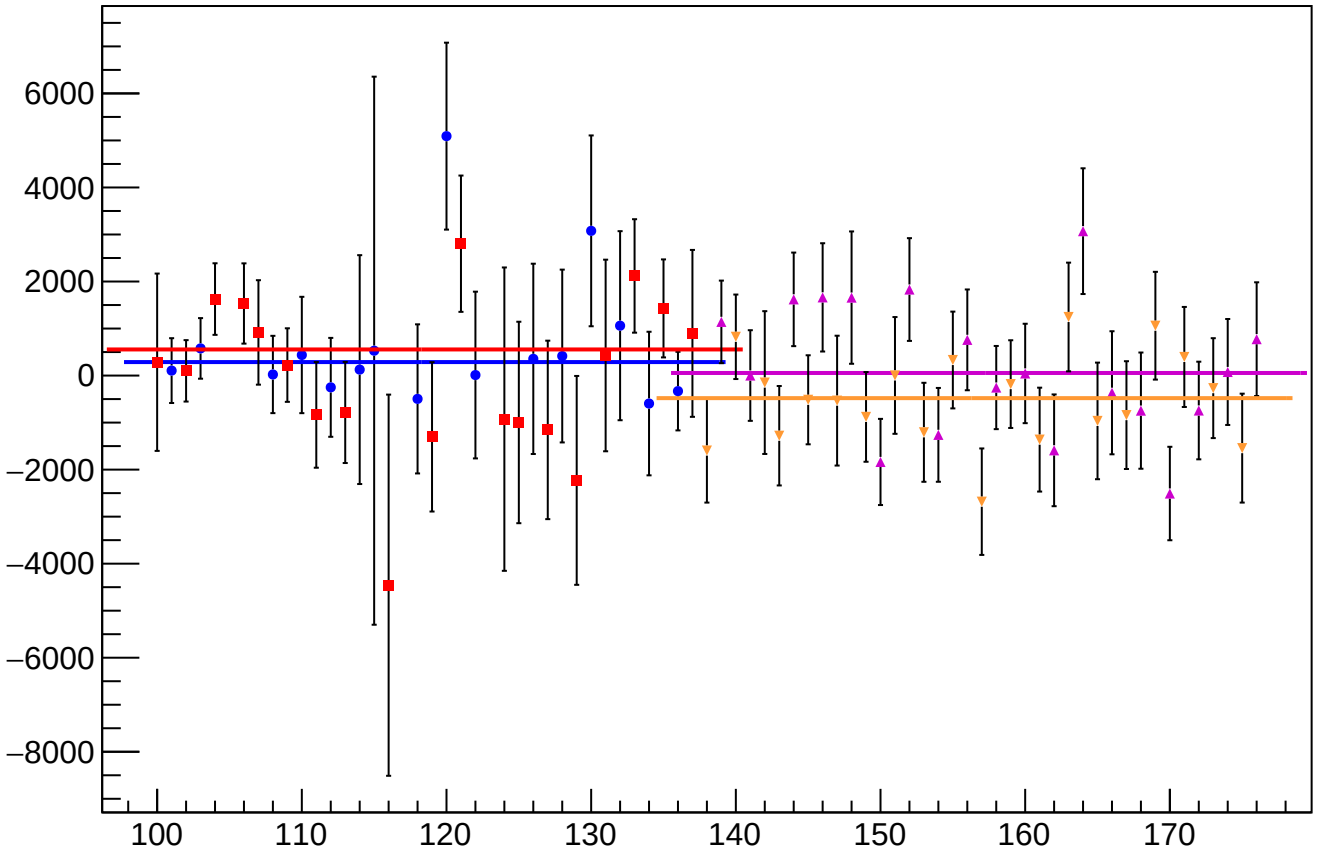
Left: 153.714+/-0.020 χ^2/NDF: 703881.8/38

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 130.499+/-0.020 χ^2/NDF:2855317.1/34

Out: 125.505+/-0.019 χ^2/NDF:3313910.9/38

All: 127.888+/-0.014 χ^2/NDF: 6201858.6/73



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -479.992+/-243.934 χ^2/NDF:15.5/19

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 55.081+/-245.138 χ^2/NDF:31.6/18

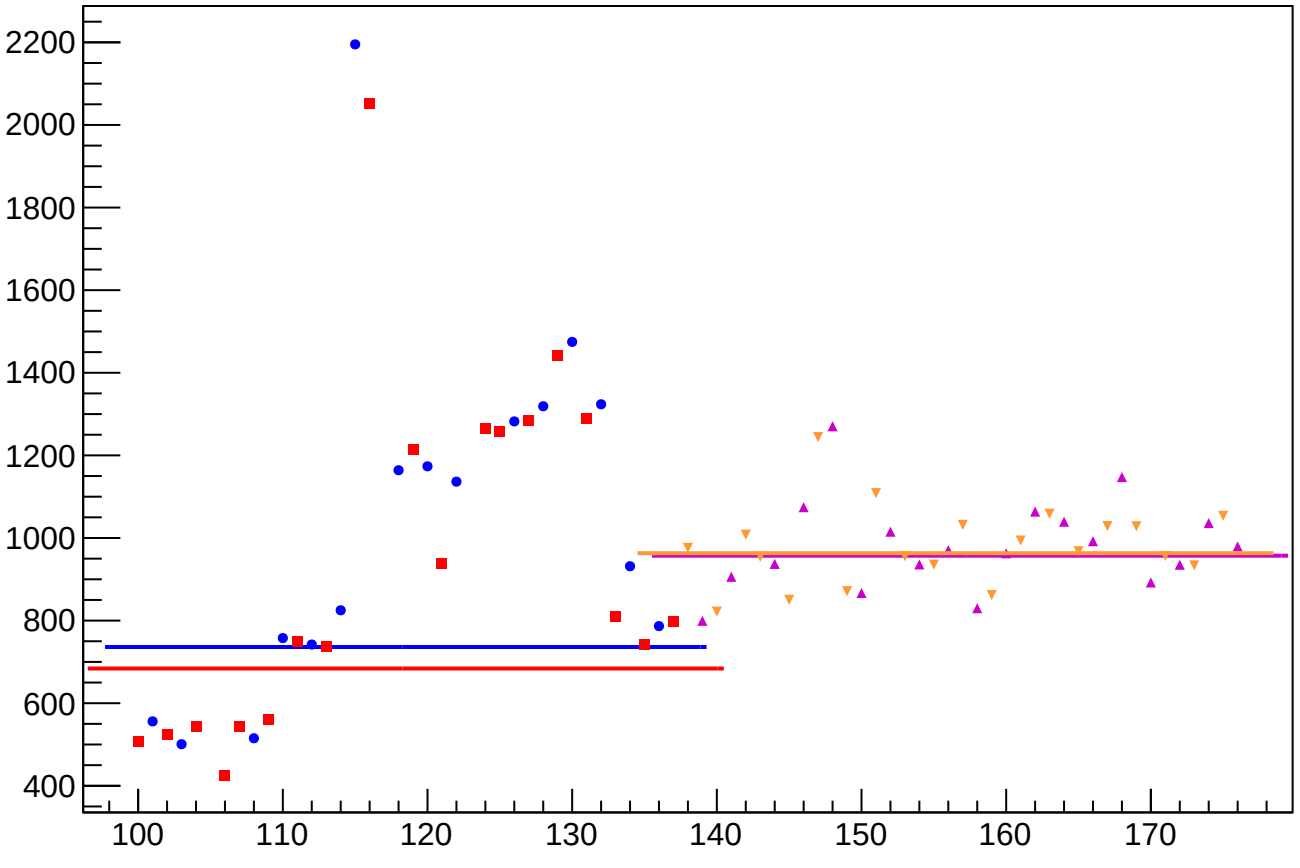
Left: -213.771+/-172.912 χ^2/NDF: 49.5/38

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 150.360+/-188.138 χ^2/NDF:41.6/34

Out: -14.569+/-180.989 χ^2/NDF:41.7/38

All: 64.703+/-130.433 χ^2/NDF: 83.7/73



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 963.217+/-0.172 χ^2/NDF:283489.5/19

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

Left: 960.202+/-0.122 χ^2/NDF: 635162.7/38

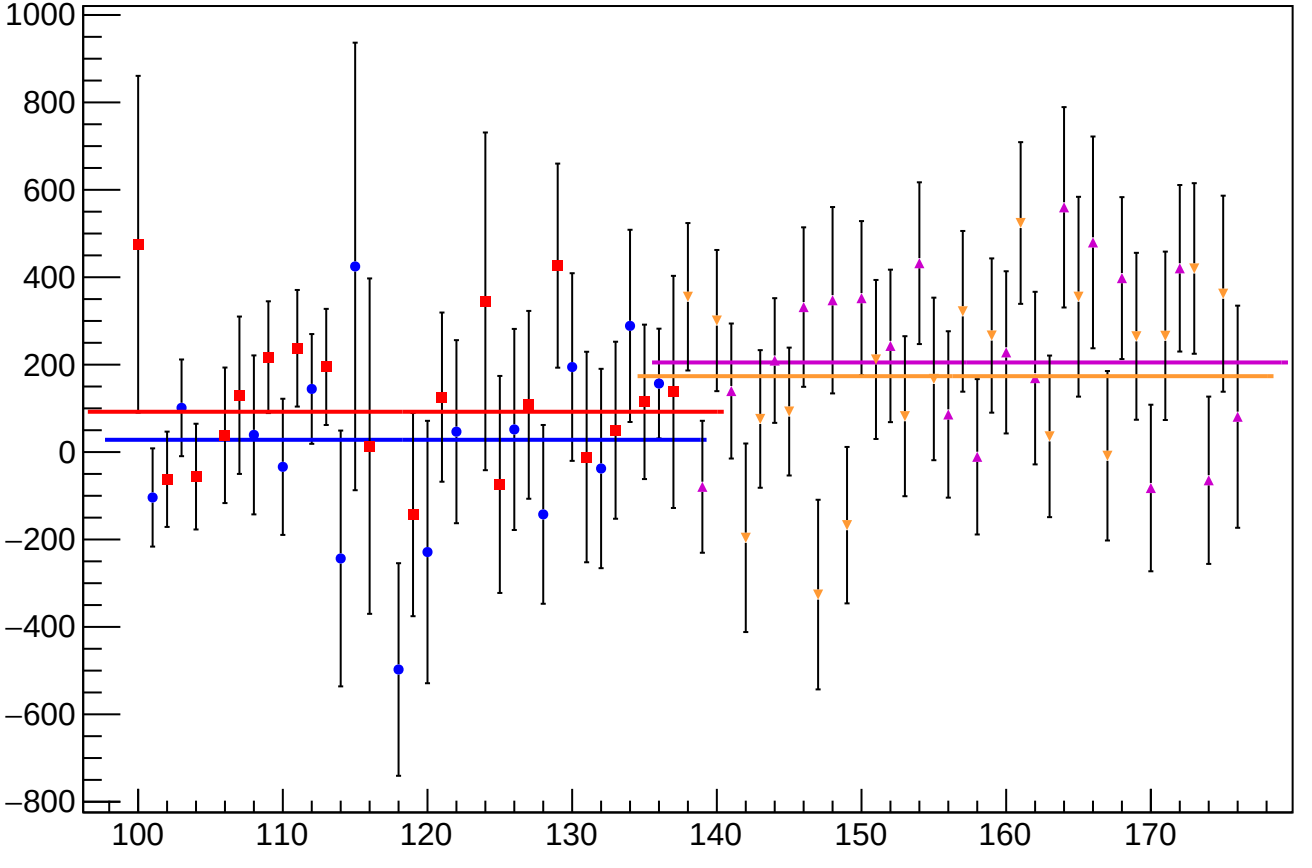
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 866.301+/-0.133 χ^2/NDF:2864052.5/34

Out: 837.701+/-0.128 χ^2/NDF:3311921.2/38

All: 851.447+/-0.092 χ^2/NDF: 6199977.5/73

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 205.020+/-42.323 χ^2/NDF:19.4/18

Left: 188.901+/-29.511 χ^2/NDF: 43.6/38

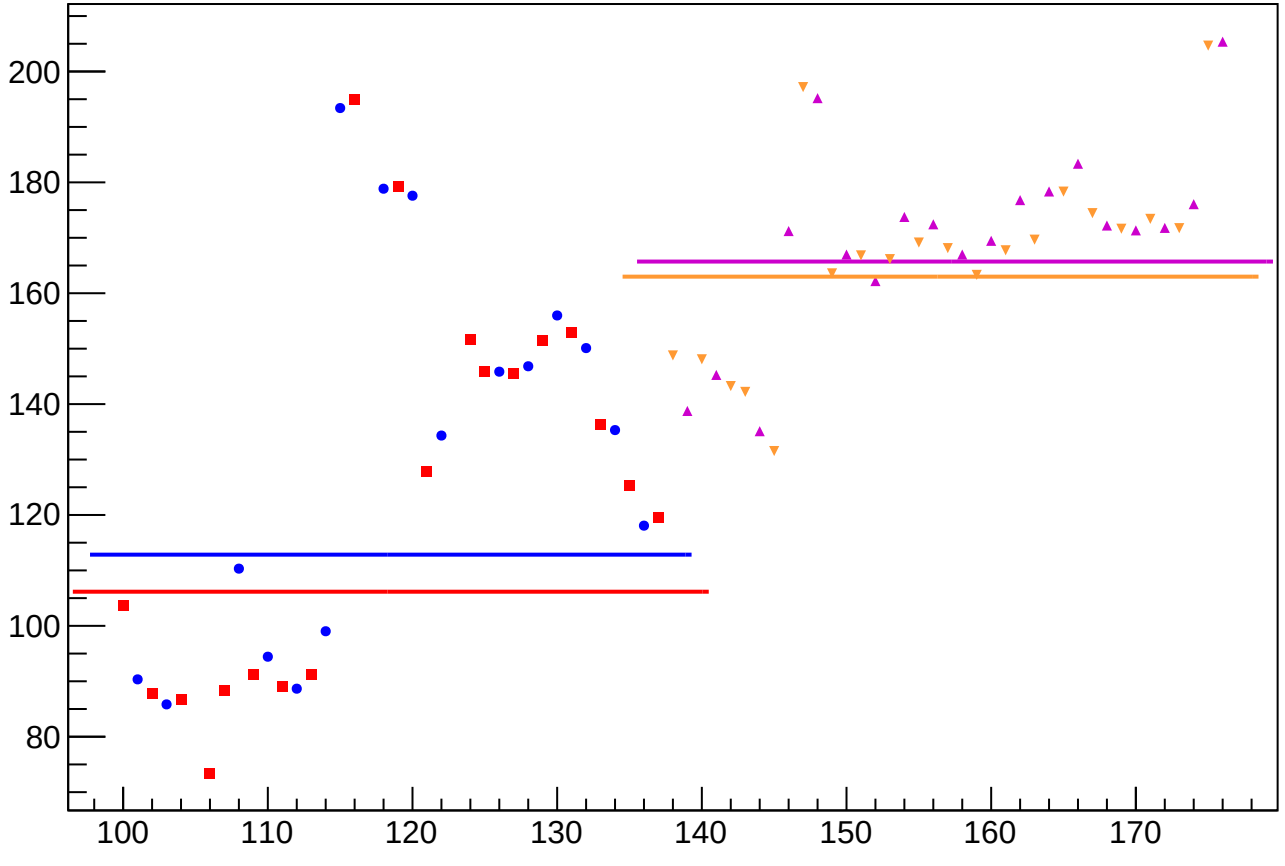
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 118.859+/-30.314 χ^2/NDF:41.4/34

Out: 132.318+/-28.886 χ^2/NDF:37.7/38

All: 125.913+/-20.912 χ^2/NDF: 79.2/73

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.5/19

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 165.713+/-0.030 χ^2/NDF:322841.6/18

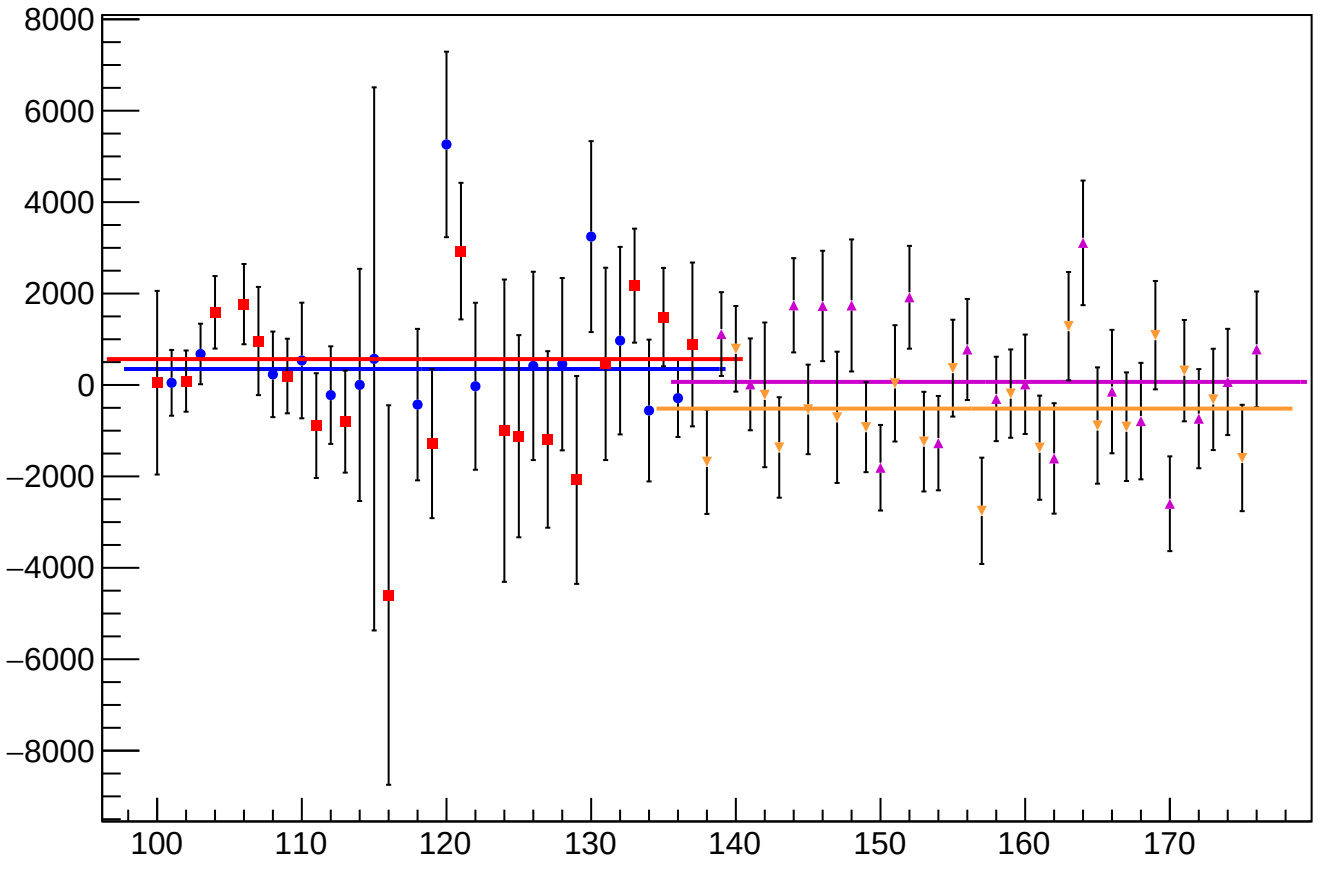
Left: 164.315+/-0.021 χ^2/NDF: 660368.8/38

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 139.965+/-0.021 χ^2/NDF:2714976.9/34

Out: 134.136+/-0.020 χ^2/NDF:3270508.1/38

All: 136.910+/-0.015 χ^2/NDF: 6024247.0/73



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 67.305+/-253.761 χ^2/NDF:31.0/18

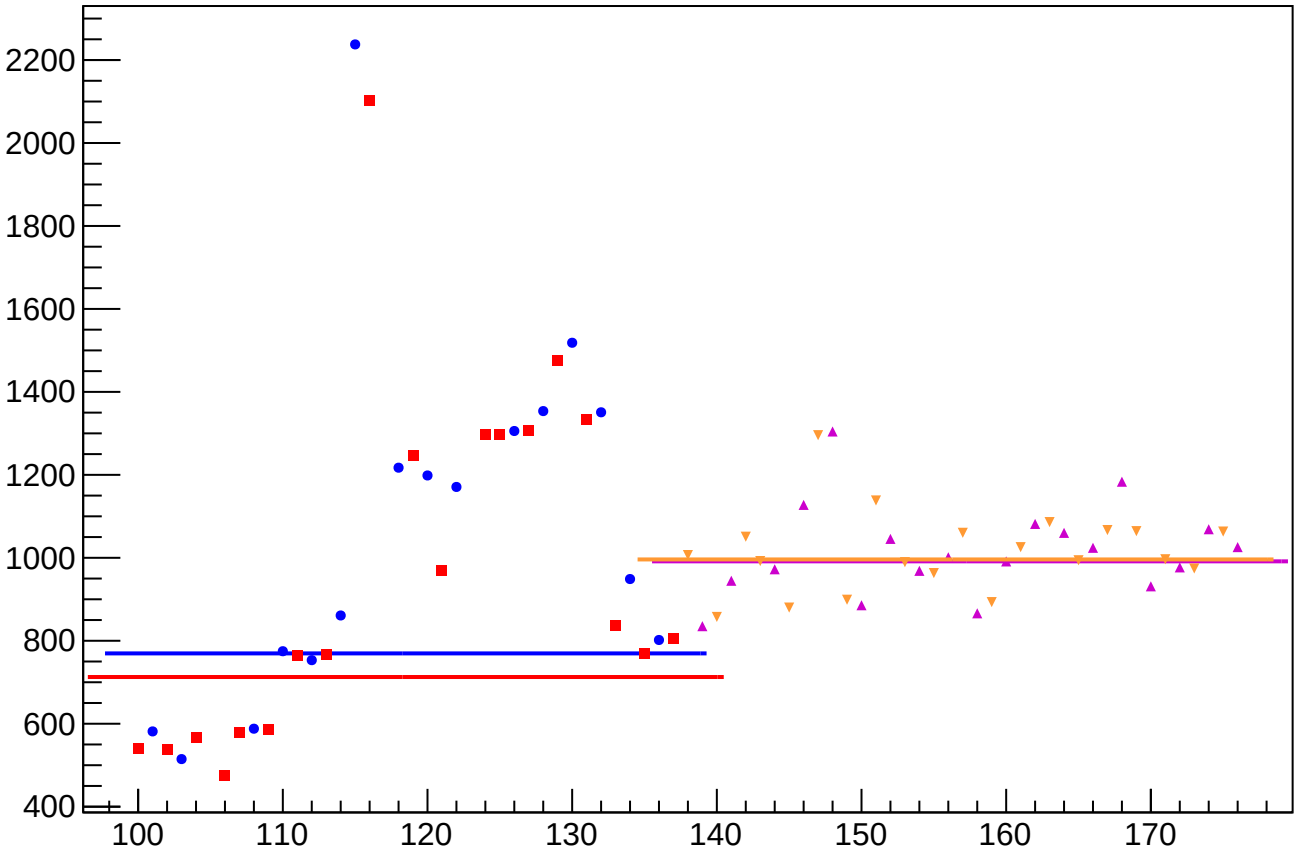
Left: -226.659+/-178.825 χ^2/NDF: 49.0/38

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 182.436+/-195.158 χ^2/NDF:41.4/34

Out: -30.554+/-187.092 χ^2/NDF:41.9/38

All: 71.449+/-135.056 χ^2/NDF: 83.9/73



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 996.066+/-0.178 χ^2/NDF:270779.9/19

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 991.474+/-0.179 χ^2/NDF:331112.8/18

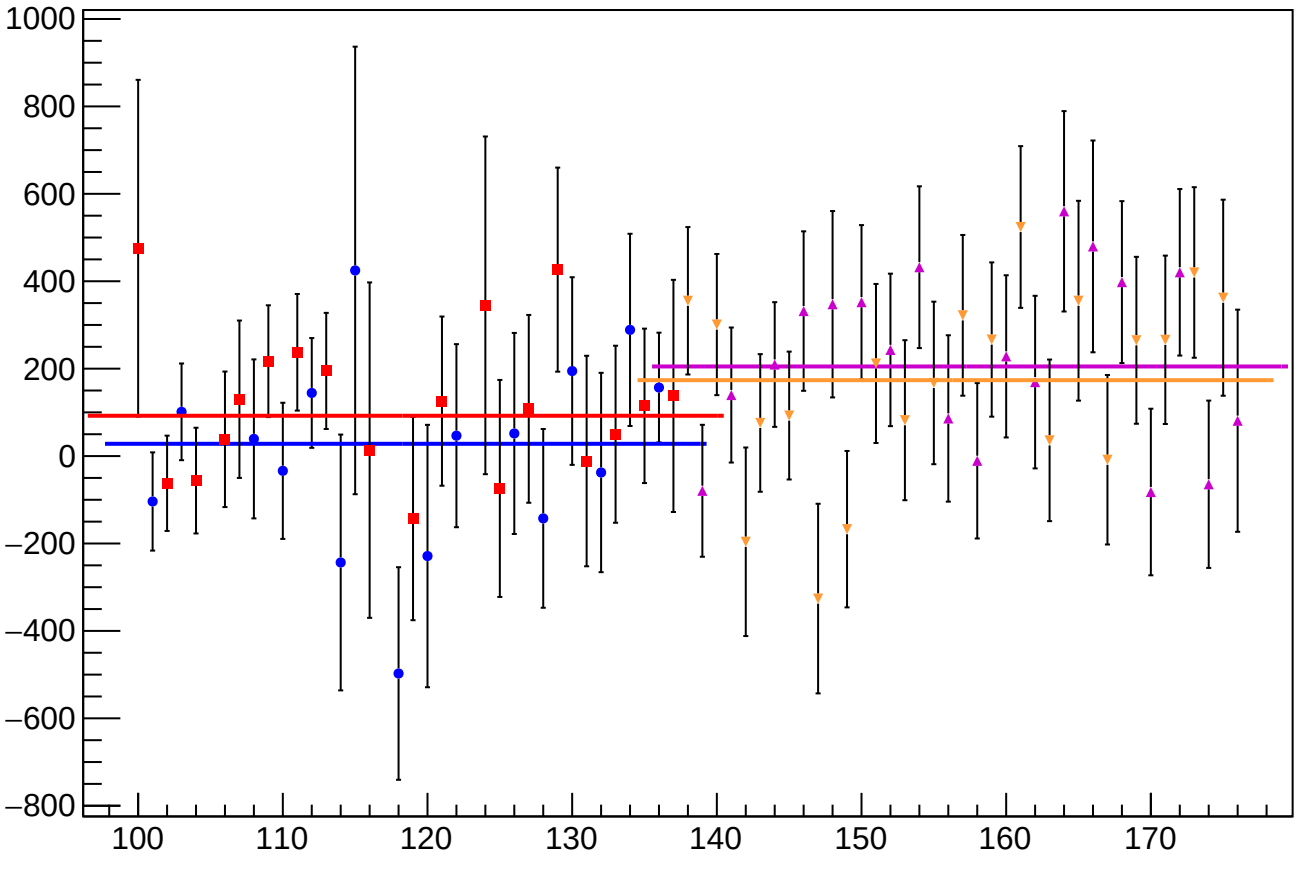
Left: 993.786+/-0.126 χ^2/NDF: 602222.4/38

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 900.811+/-0.138 χ^2/NDF:2695934.6/34

Out: 868.809+/-0.132 χ^2/NDF:3173610.0/38

All: 884.135+/-0.095 χ^2/NDF: 5897568.5/73



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 173.648+/-41.170 χ^2/NDF:24.0/19

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 205.021+/-42.323 χ^2/NDF:19.4/18

Left: 188.902+/-29.511 χ^2/NDF: 43.6/38

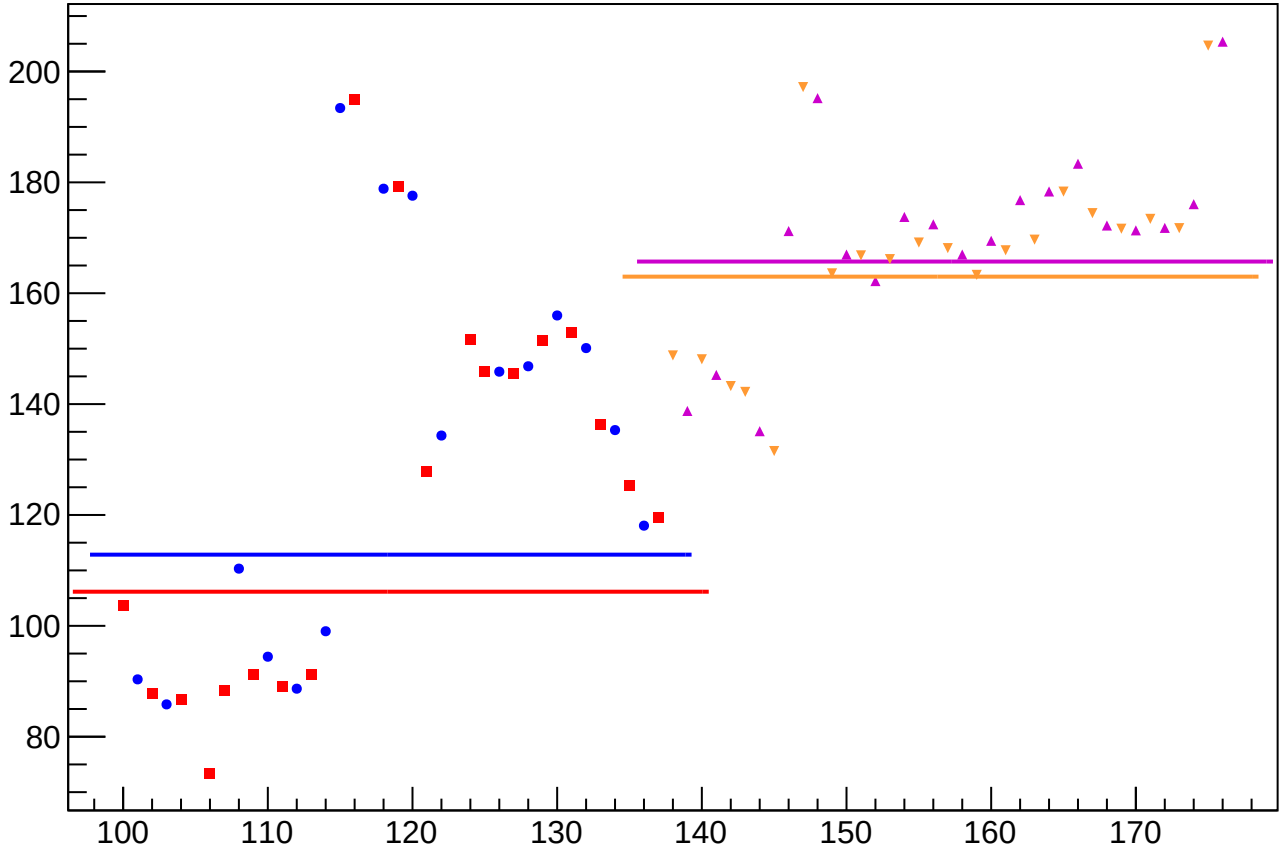
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 118.858+/-30.314 χ^2/NDF:41.4/34

Out: 132.319+/-28.886 χ^2/NDF:37.7/38

All: 125.913+/-20.912 χ^2/NDF: 79.2/73

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 162.992+/-0.029 χ^2/NDF:333280.1/19

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 165.713+/-0.030 χ^2/NDF:322832.7/18

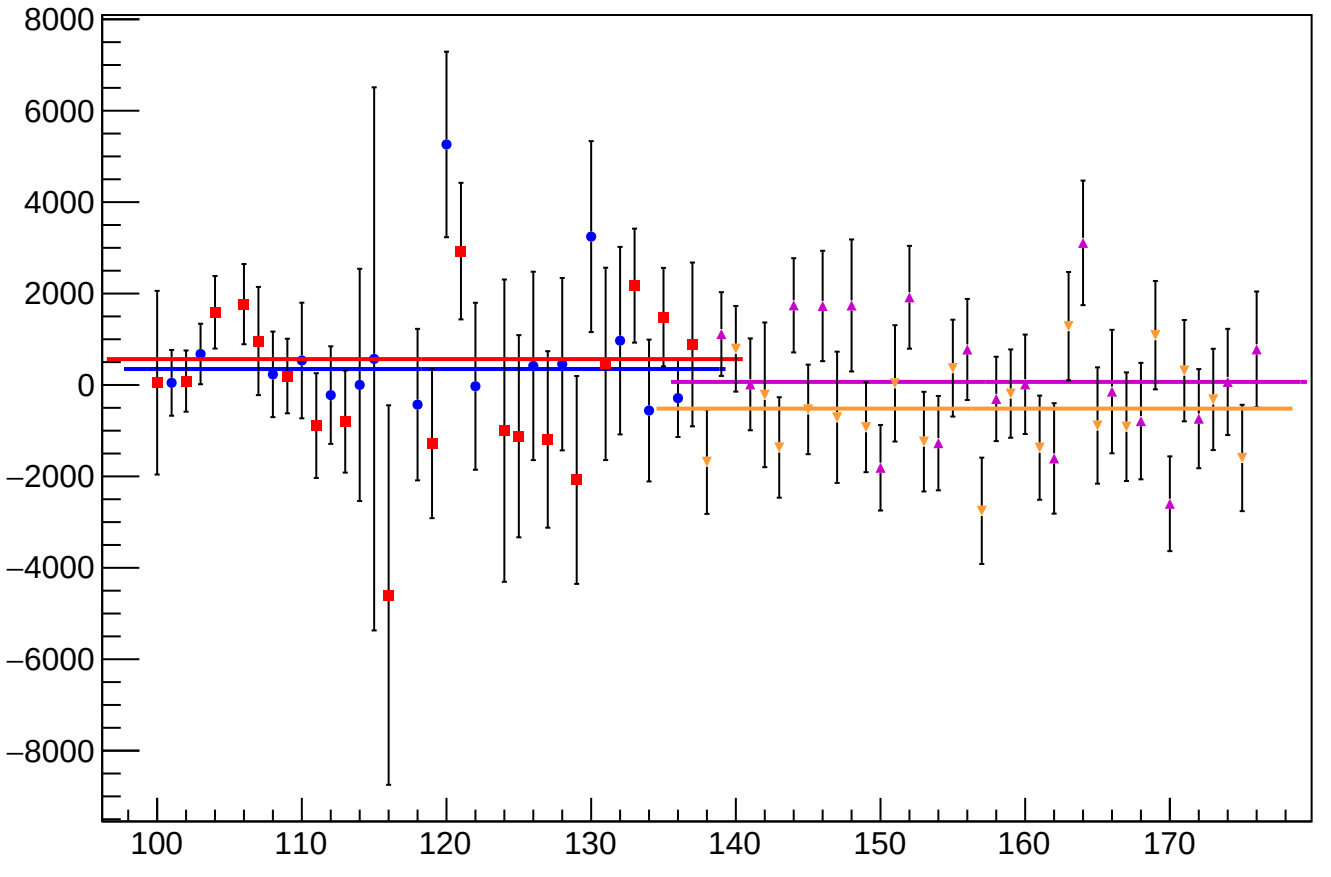
Left: 164.315+/-0.021 χ^2/NDF: 660359.9/38

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 139.965+/-0.021 χ^2/NDF:2714997.1/34

Out: 134.136+/-0.020 χ^2/NDF:3270525.3/38

All: 136.910+/-0.015 χ^2/NDF: 6024284.3/73



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.650+/-252.041 χ^2/NDF:15.3/19

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 67.305+/-253.761 χ^2/NDF:31.0/18

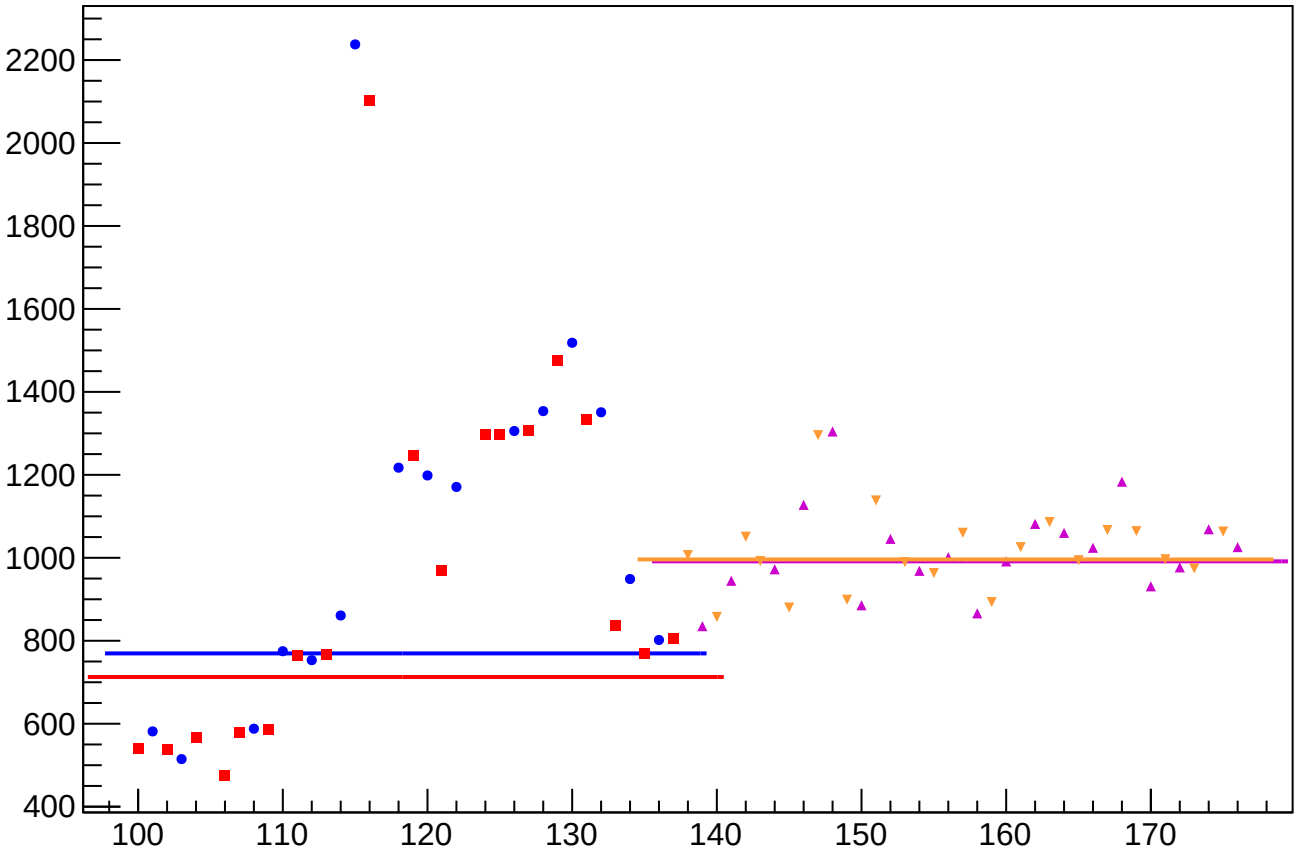
Left: -226.658+/-178.825 χ^2/NDF: 49.0/38

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 182.436+/-195.158 χ^2/NDF:41.4/34

Out: -30.552+/-187.092 χ^2/NDF:41.9/38

All: 71.450+/-135.056 χ^2/NDF: 83.9/73



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 996.068+/-0.178 χ^2/NDF:270778.9/19

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 991.476+/-0.179 χ^2/NDF:331111.8/18

Left: 993.787+/-0.126 χ^2/NDF: 602220.3/38

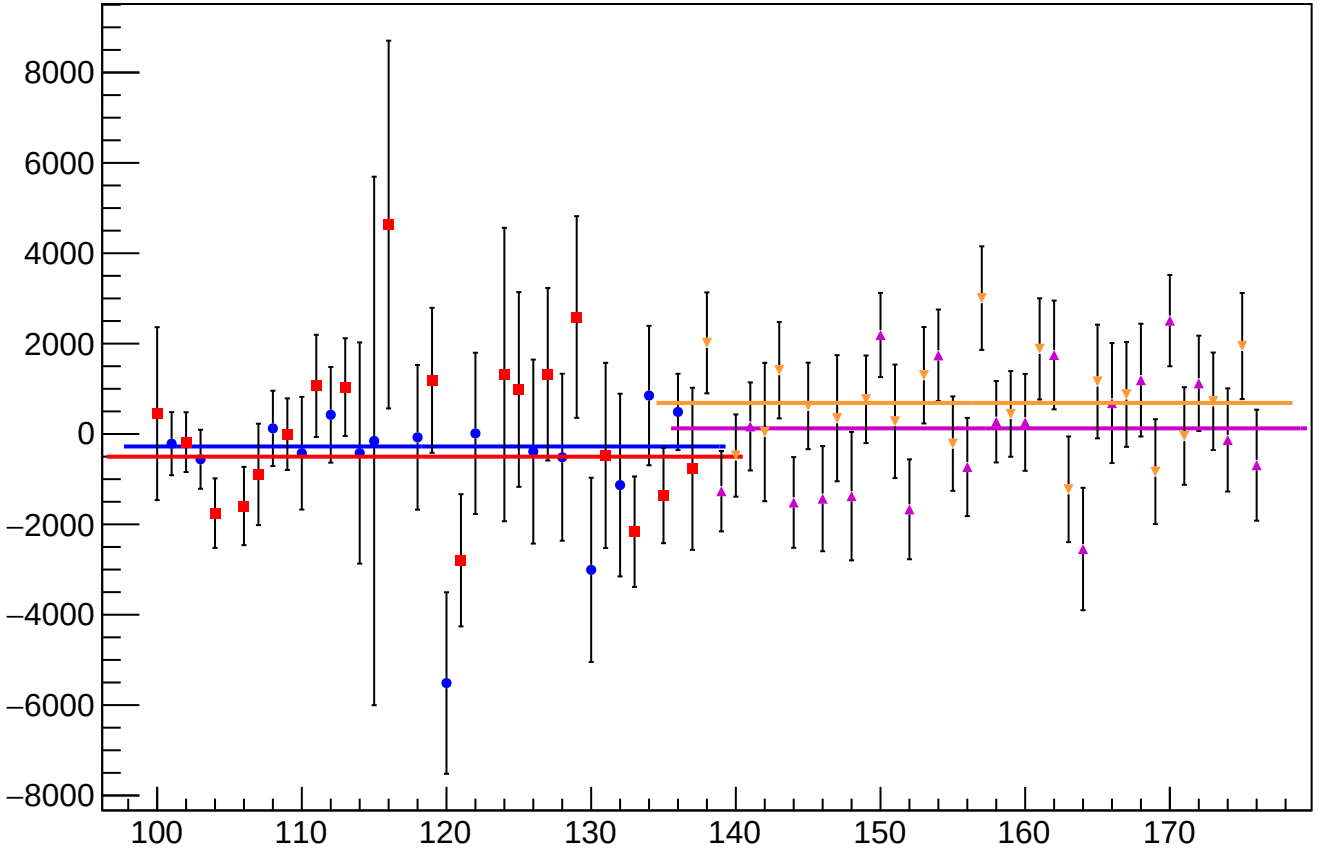
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 900.811+/-0.138 χ^2/NDF:2695945.1/34

Out: 868.809+/-0.132 χ^2/NDF:3173623.0/38

All: 884.135+/-0.095 χ^2/NDF: 5897592.1/73

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.935+/-247.123 χ^2/NDF:16.4/19

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 124.514+/-248.521 χ^2/NDF:32.3/18

Left: 407.311+/-175.235 χ^2/NDF: 51.3/38

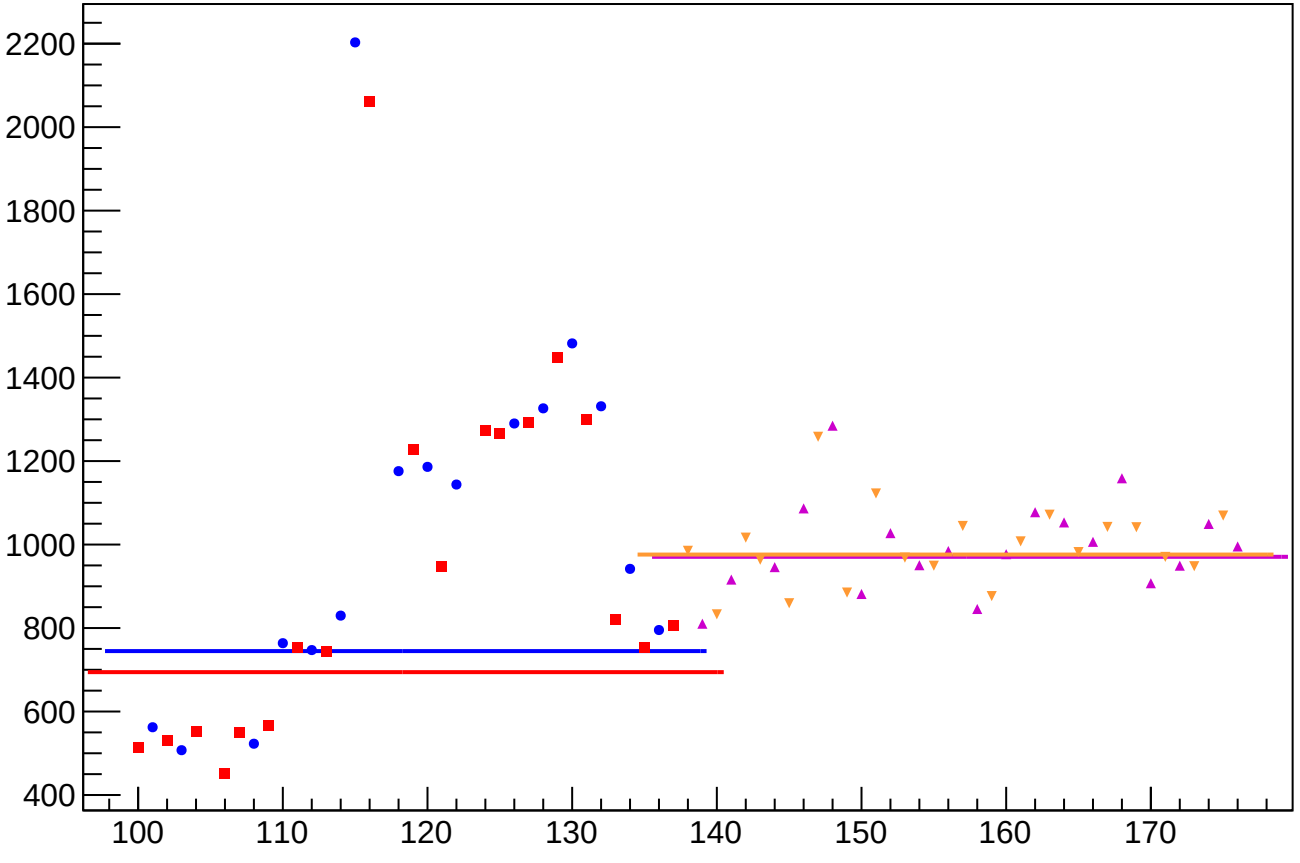
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -40.702+/-190.519 χ^2/NDF:44.5/34

Out: 151.460+/-183.207 χ^2/NDF:47.3/38

All: 59.138+/-132.056 χ^2/NDF: 92.3/73

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 976.035+/-0.175 χ^2/NDF:280093.4/19

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 970.638+/-0.176 χ^2/NDF:342158.1/18

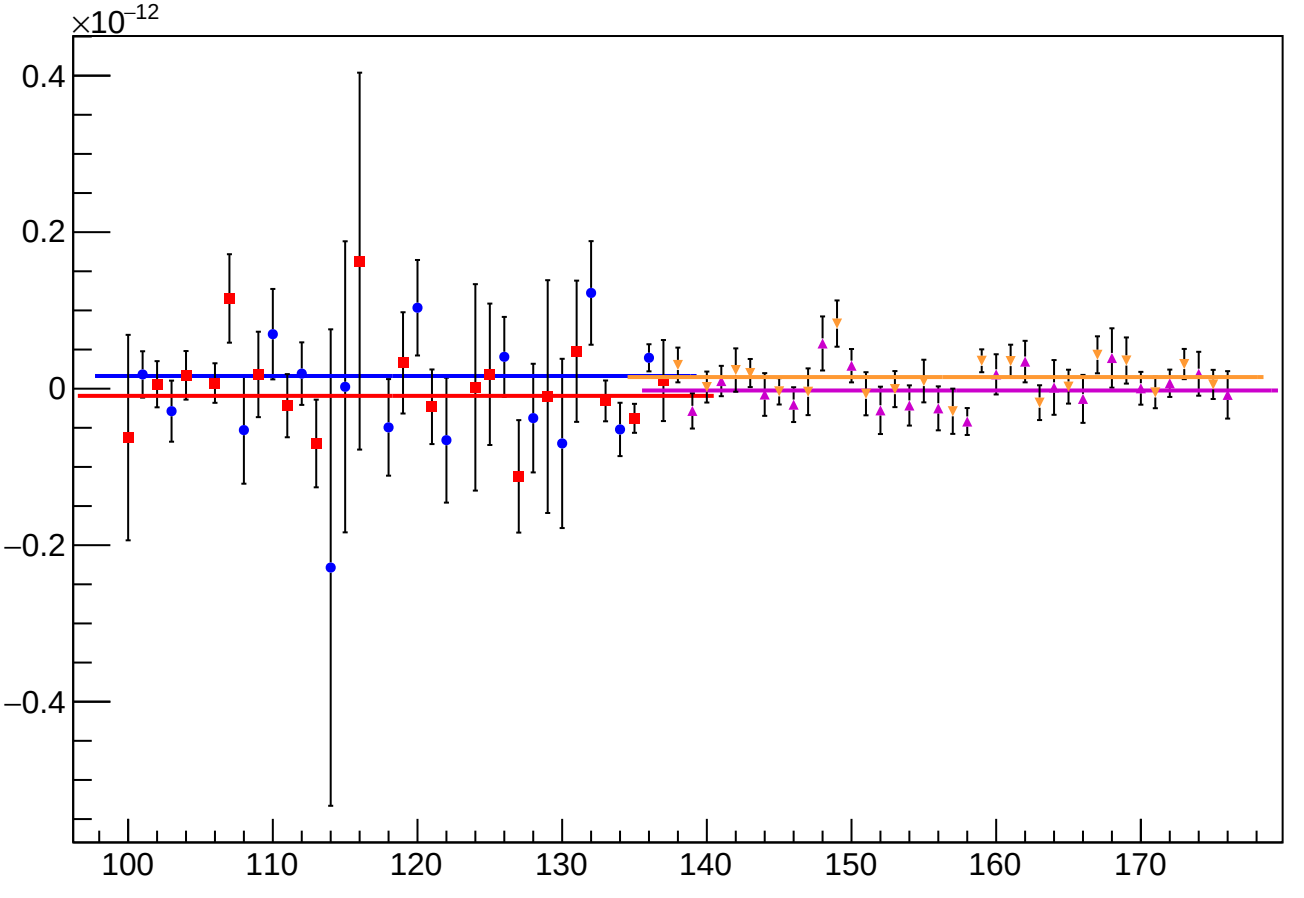
Left: 973.352+/-0.124 χ^2/NDF: 622725.6/38

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 877.517+/-0.135 χ^2/NDF:2845769.9/34

Out: 849.166+/-0.130 χ^2/NDF:3254203.4/38

All: 862.787+/-0.093 χ^2/NDF: 6122982.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/18

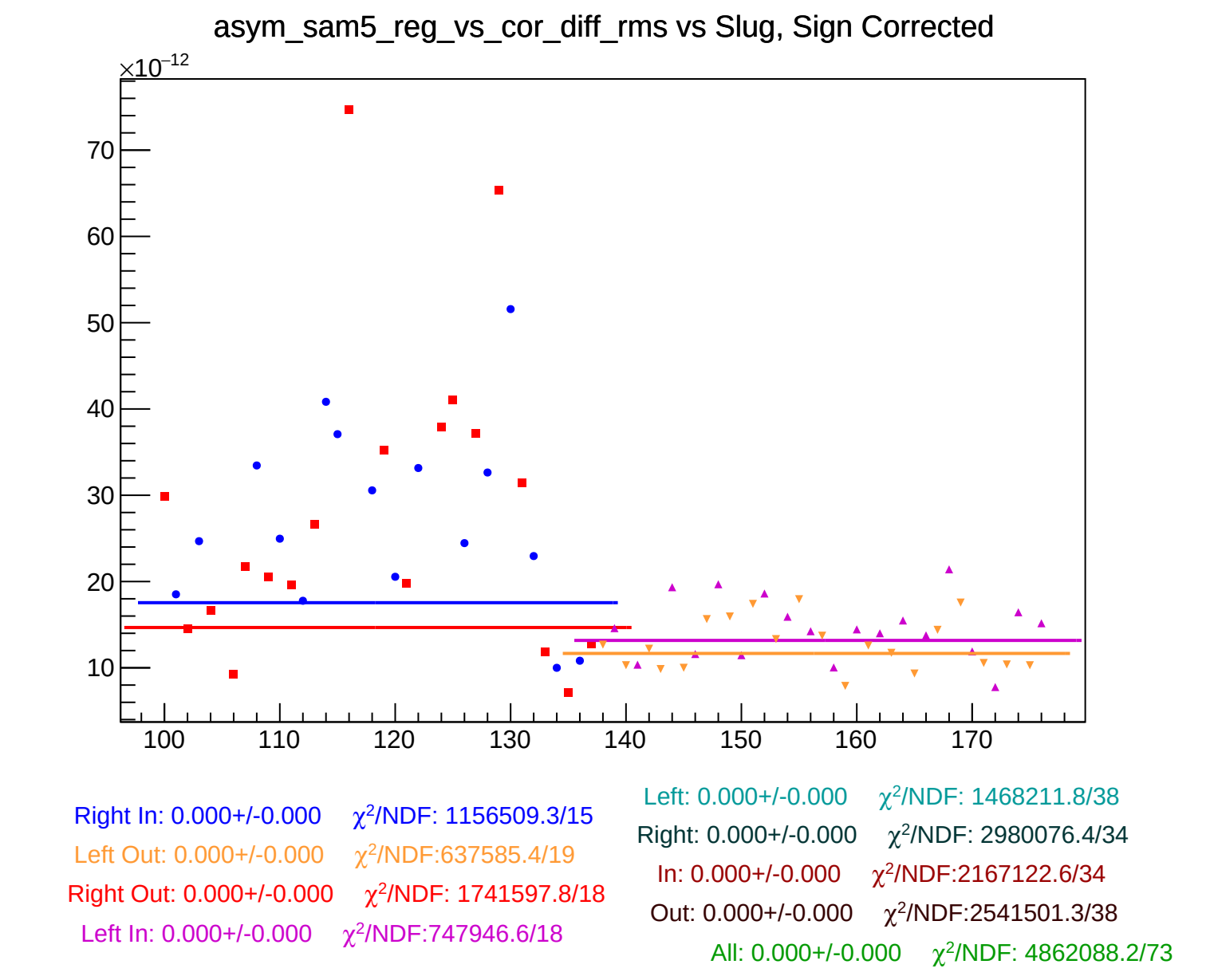
Left: 0.000+/-0.000 χ^2/NDF: 45.8/38

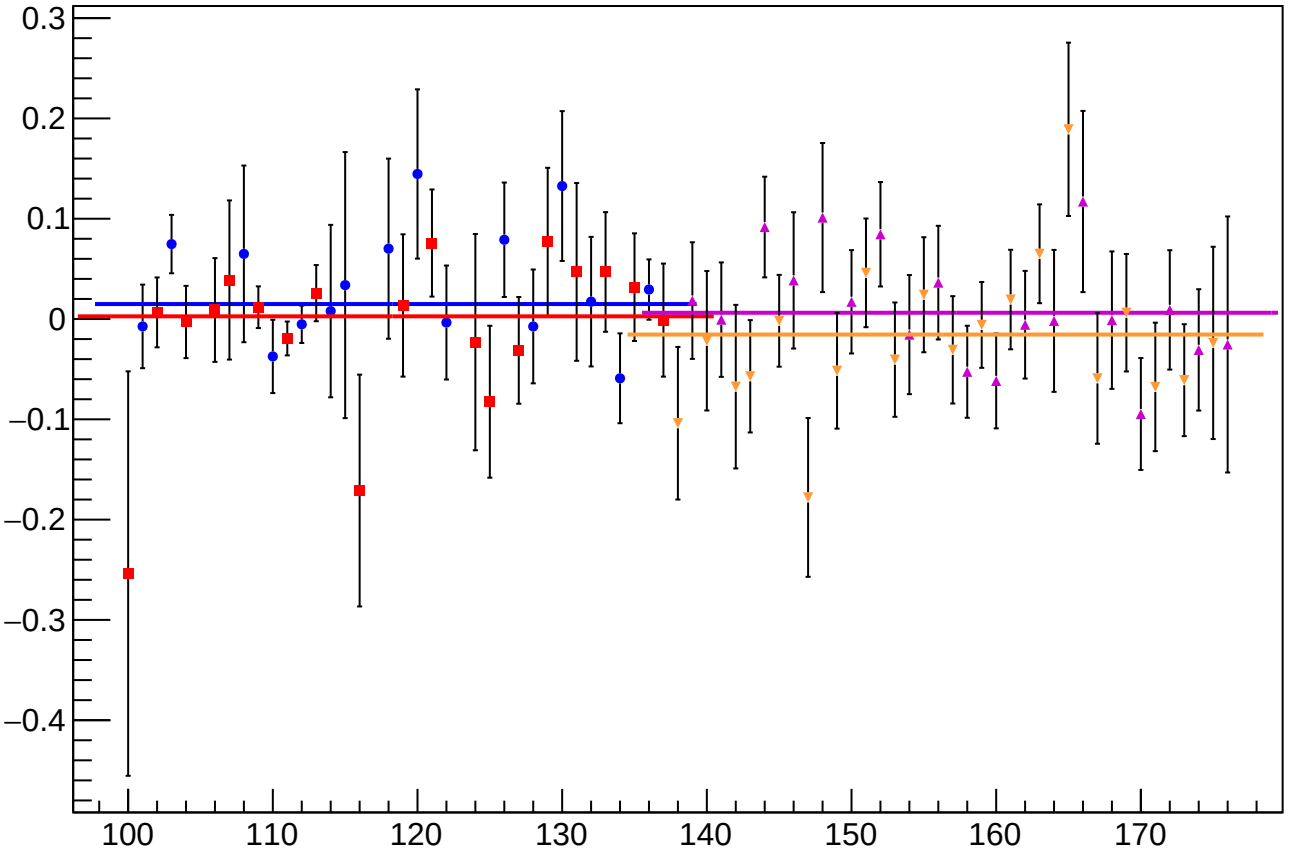
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:40.0/38

All: 0.000+/-0.000 χ^2/NDF: 81.6/73


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:637585.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:747946.6/18
Left: 0.000+/-0.000 χ²/NDF: 1468211.8/38
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2167122.6/34
Out: 0.000+/-0.000 χ²/NDF:2541501.3/38
All: 0.000+/-0.000 χ²/NDF: 4862088.2/73



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

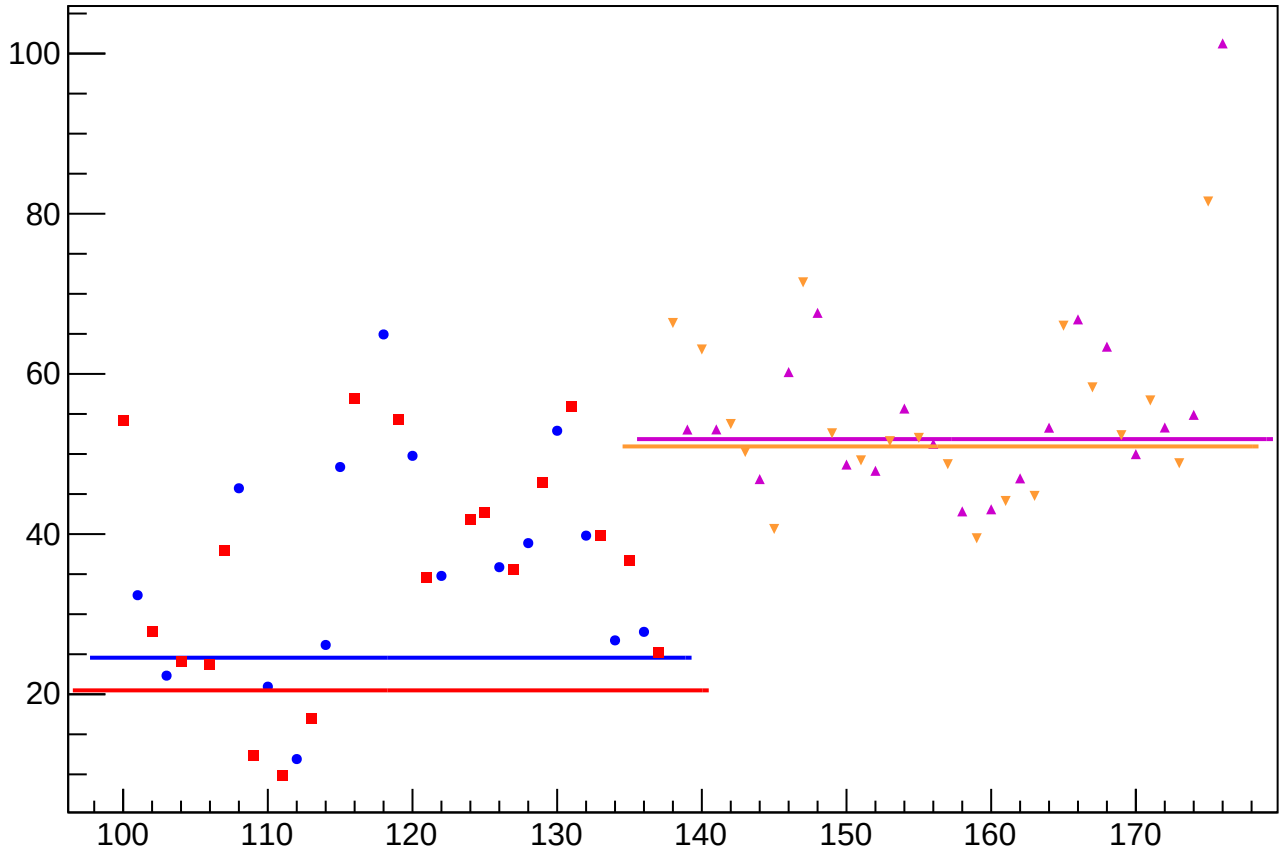
Left: -0.005+/-0.009 χ^2/NDF: 37.7/38

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.9/73



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

Left: 51.391+/-0.007 χ^2/NDF: 1668898.3/38

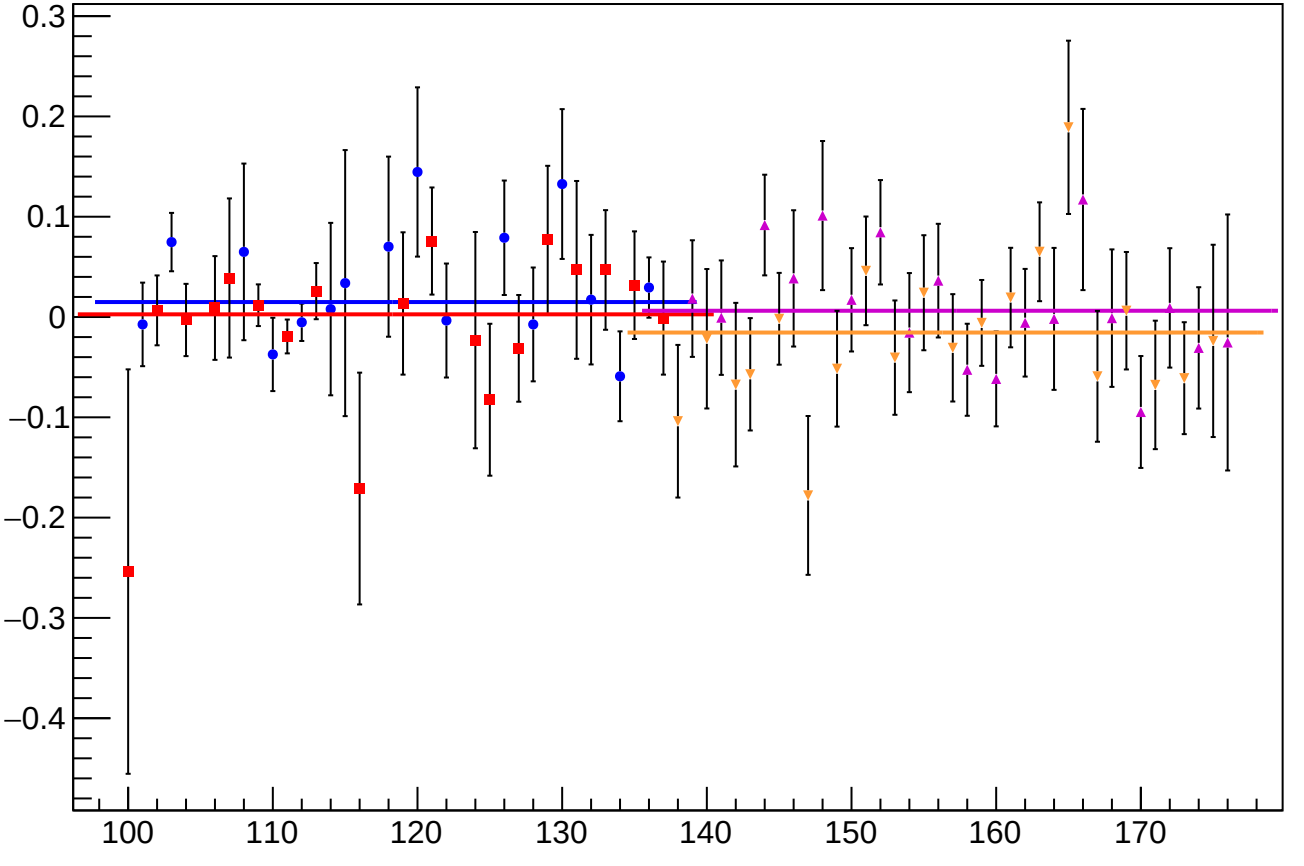
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.954+/-0.006 χ^2/NDF:8296078.7/34

Out: 30.539+/-0.005 χ^2/NDF:11688279.3/38

All: 32.530+/-0.004 χ^2/NDF: 20292632.3/73

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

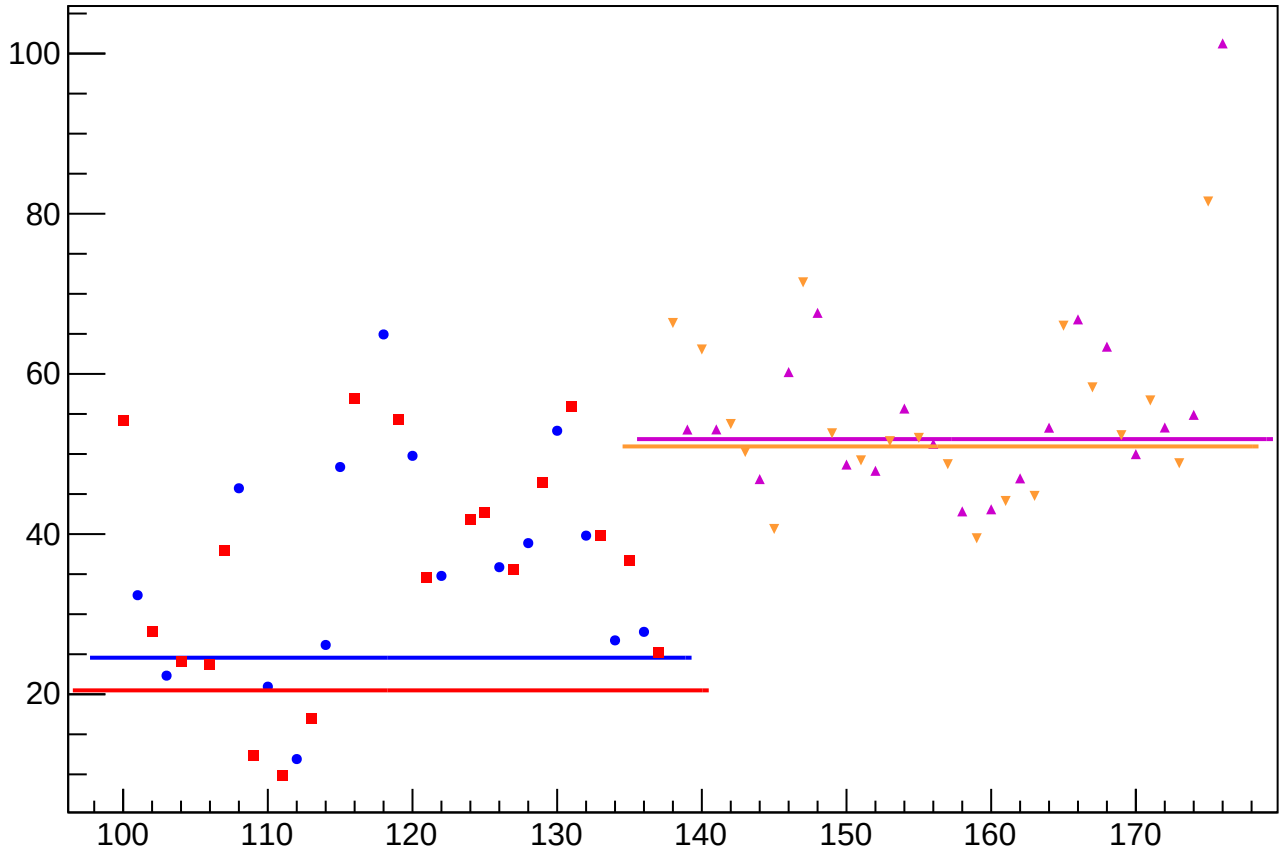
Left: -0.005+/-0.009 χ^2/NDF: 37.7/38

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.9/73



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911564.7/19

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

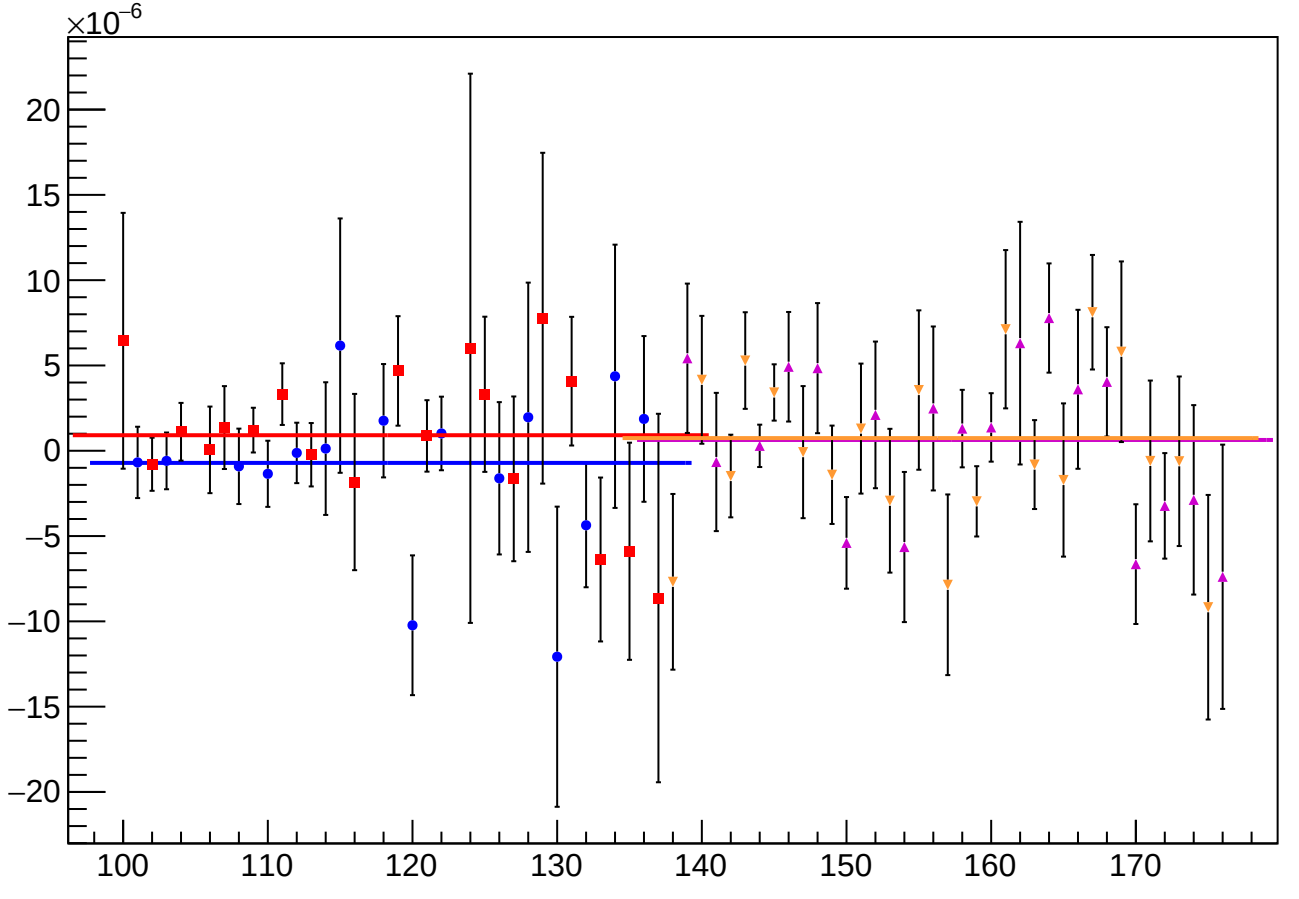
Left: 51.391+/-0.007 χ^2/NDF: 1668898.3/38

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.954+/-0.006 χ^2/NDF:8296078.7/34

Out: 30.539+/-0.005 χ^2/NDF:11688279.3/38

All: 32.530+/-0.004 χ^2/NDF: 20292632.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.4/18

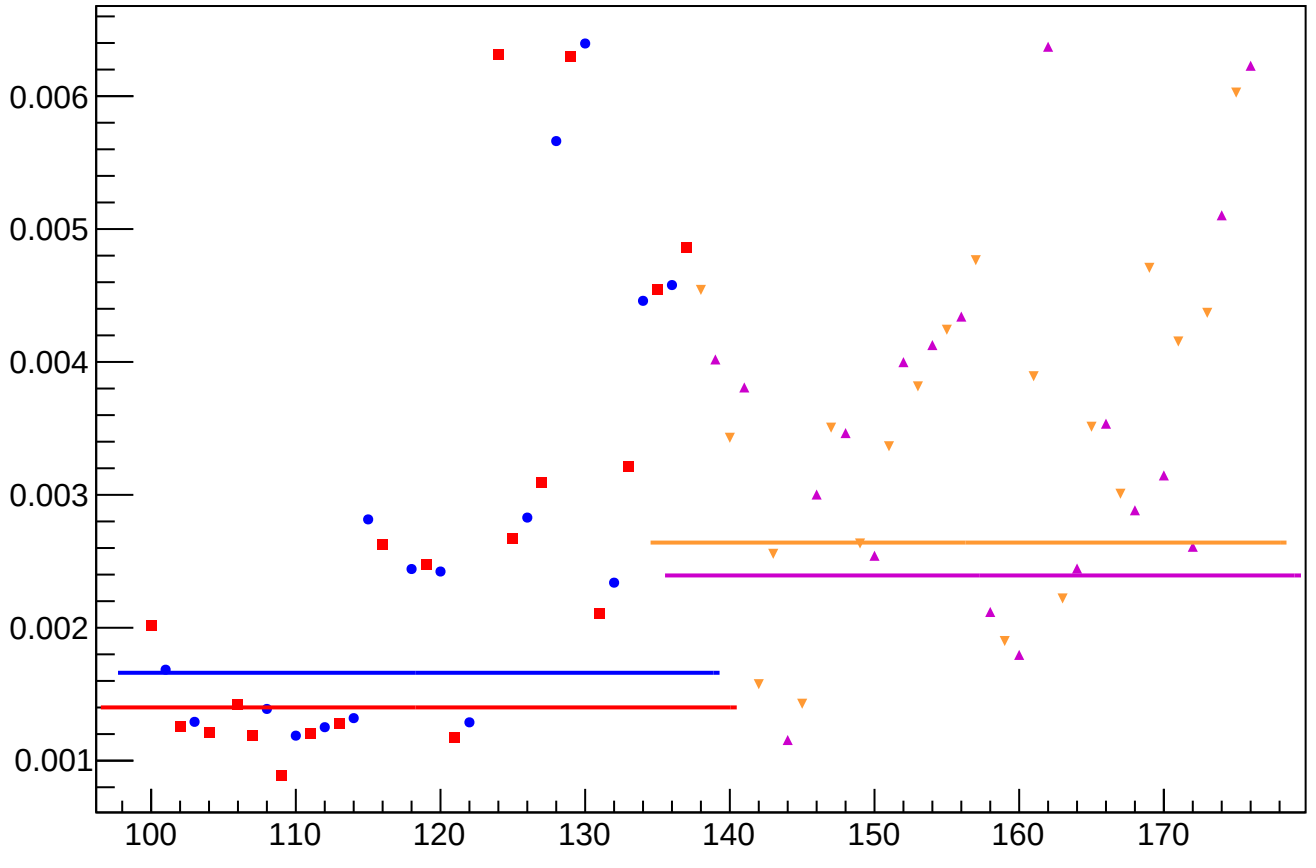
Left: 0.000+/-0.000 χ^2/NDF: 54.3/38

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:39.6/34

Out: 0.000+/-0.000 χ^2/NDF:39.8/38

All: 0.000+/-0.000 χ^2/NDF: 81.0/73



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4551678.2/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5729720.7/18

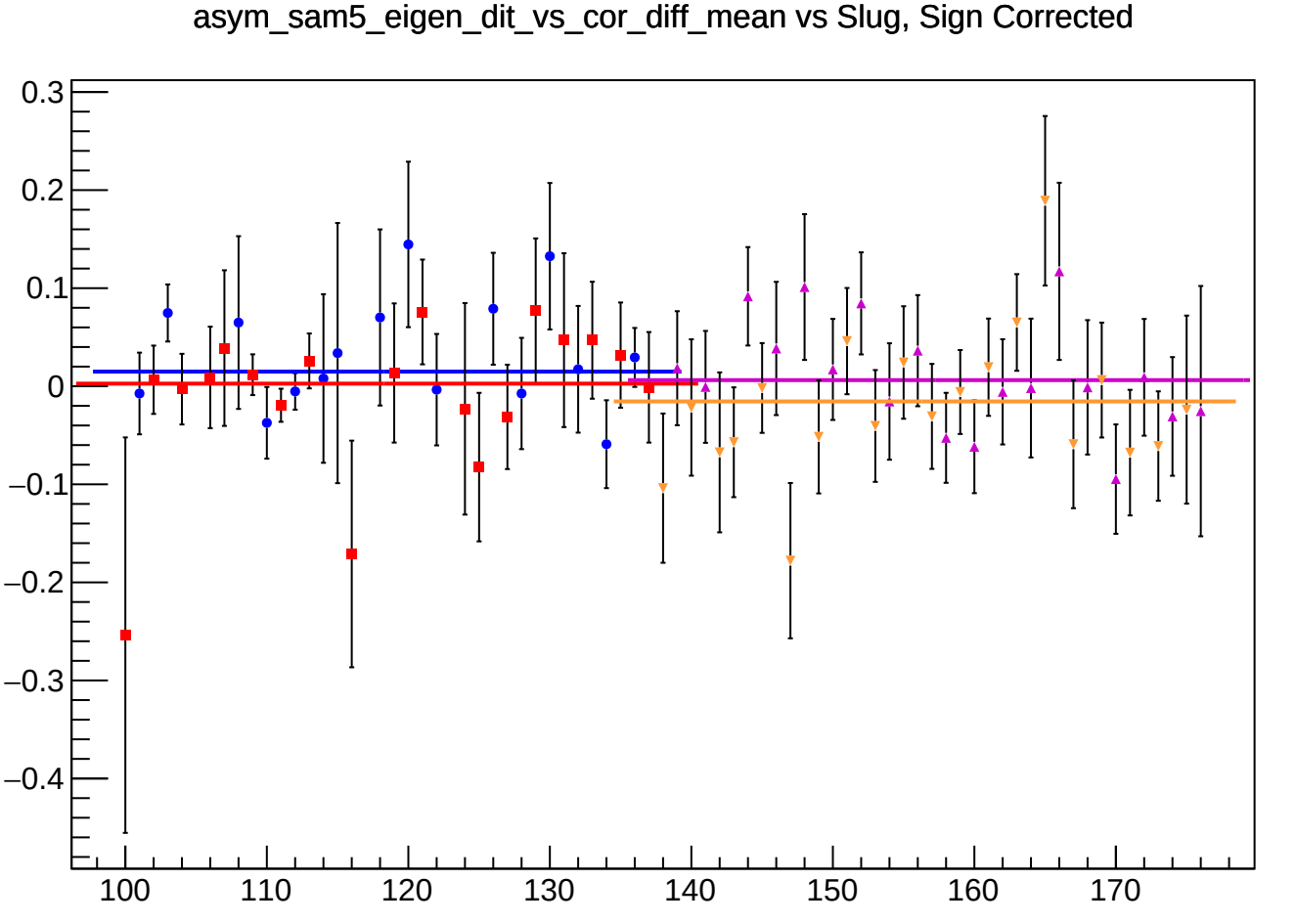
Left: 0.003+/-0.000 χ^2/NDF: 10404116.5/38

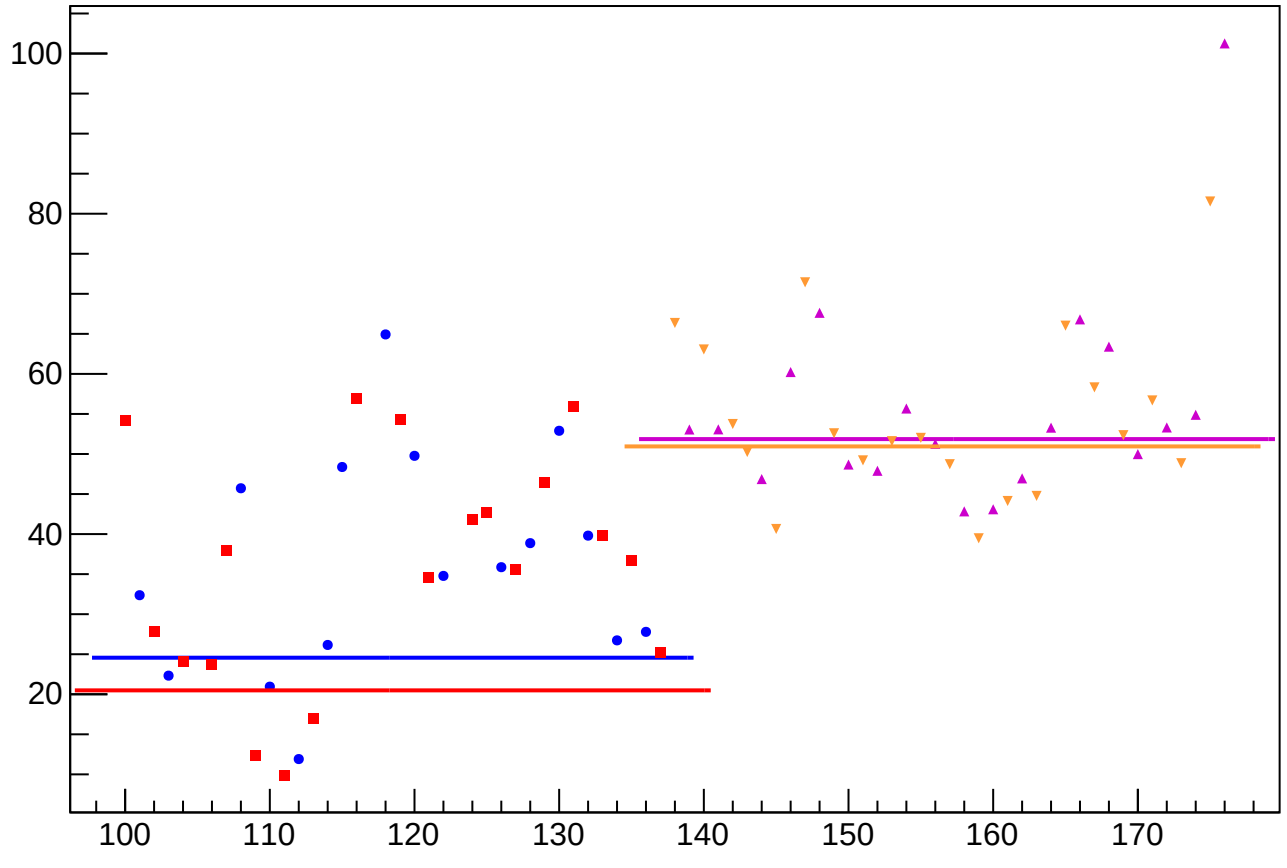
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:9796080.0/34

Out: 0.002+/-0.000 χ^2/NDF:10971383.3/38

All: 0.002+/-0.000 χ^2/NDF: 20866345.7/73


asym_sam5_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
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/19
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.006+/-0.014 χ²/NDF:16.5/18
Left: -0.005+/-0.009 χ²/NDF: 37.7/38
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.012+/-0.008 χ²/NDF:34.6/34
Out: -0.003+/-0.008 χ²/NDF:33.5/38
All: 0.003+/-0.006 χ²/NDF: 69.9/73



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

Left: 51.391+/-0.007 χ^2/NDF: 1669111.5/38

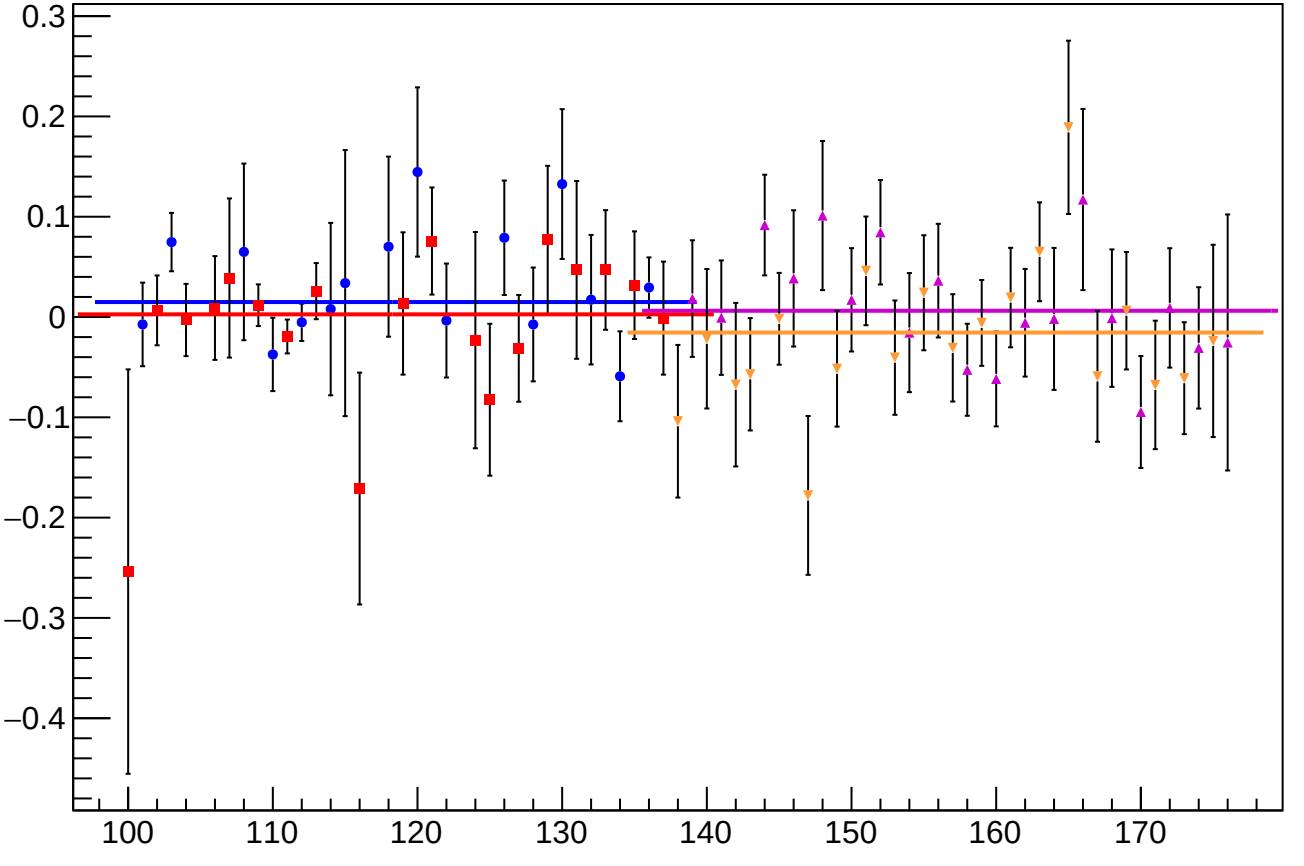
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.953+/-0.006 χ^2/NDF:8296395.8/34

Out: 30.538+/-0.005 χ^2/NDF:11688769.7/38

All: 32.529+/-0.004 χ^2/NDF: 20293459.7/73

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/19

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

Left: -0.005+/-0.009 χ^2/NDF: 37.7/38

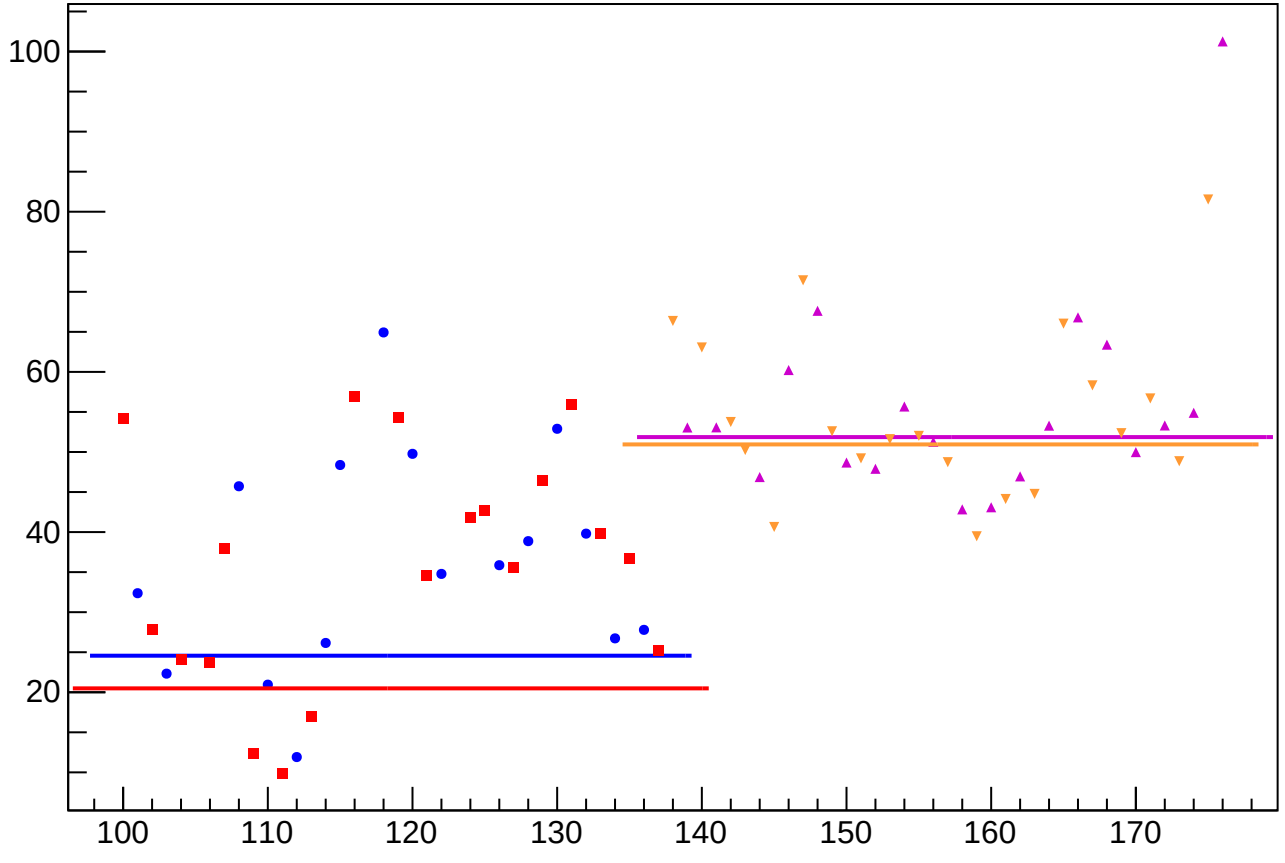
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/38

All: 0.003+/-0.006 χ^2/NDF: 69.9/73

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.946+/-0.009 χ^2/NDF:911696.3/19

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

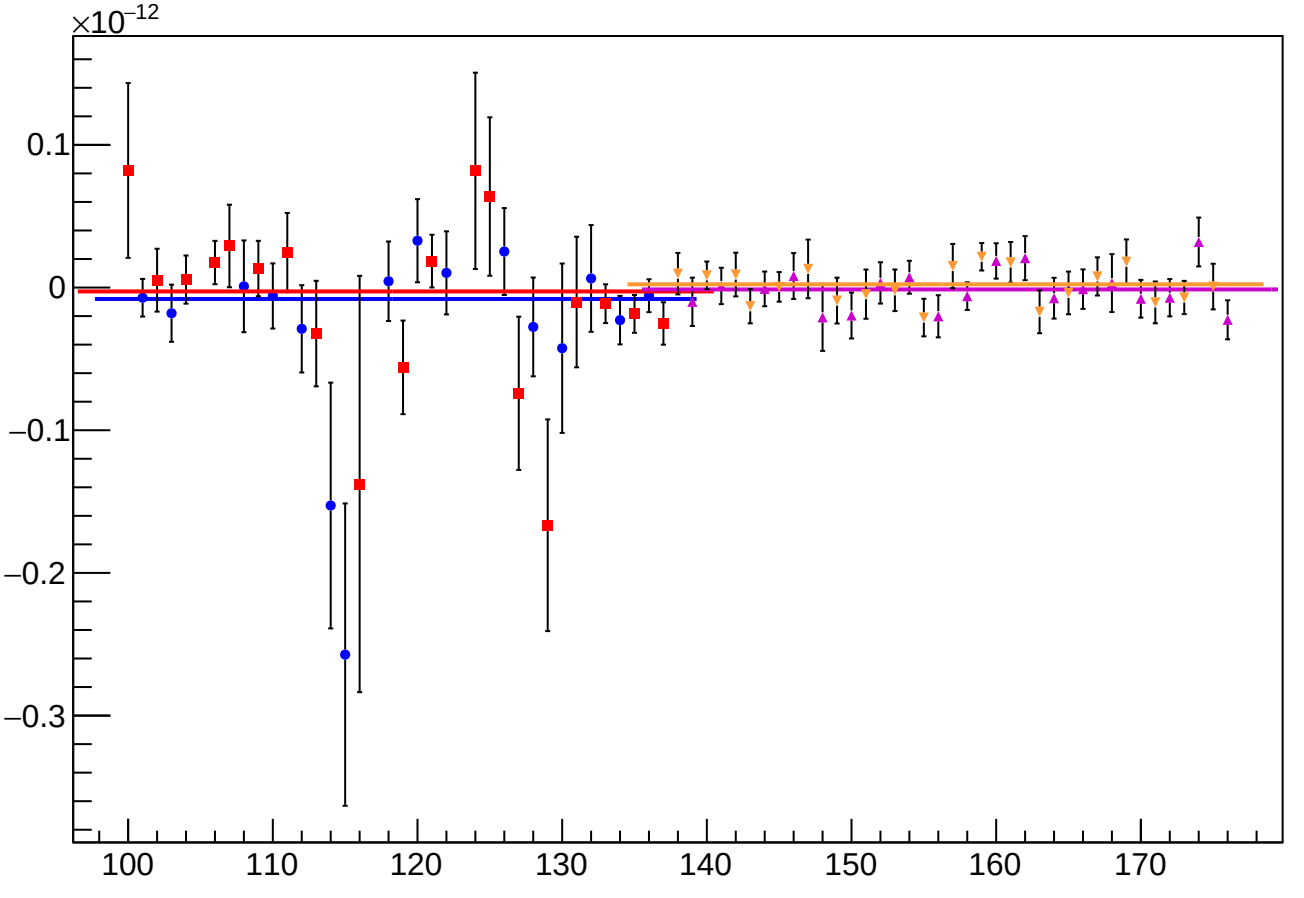
Left: 51.391+/-0.007 χ^2/NDF: 1669111.5/38

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.953+/-0.006 χ^2/NDF:8296395.8/34

Out: 30.538+/-0.005 χ^2/NDF:11688769.7/38

All: 32.529+/-0.004 χ^2/NDF: 20293459.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/18

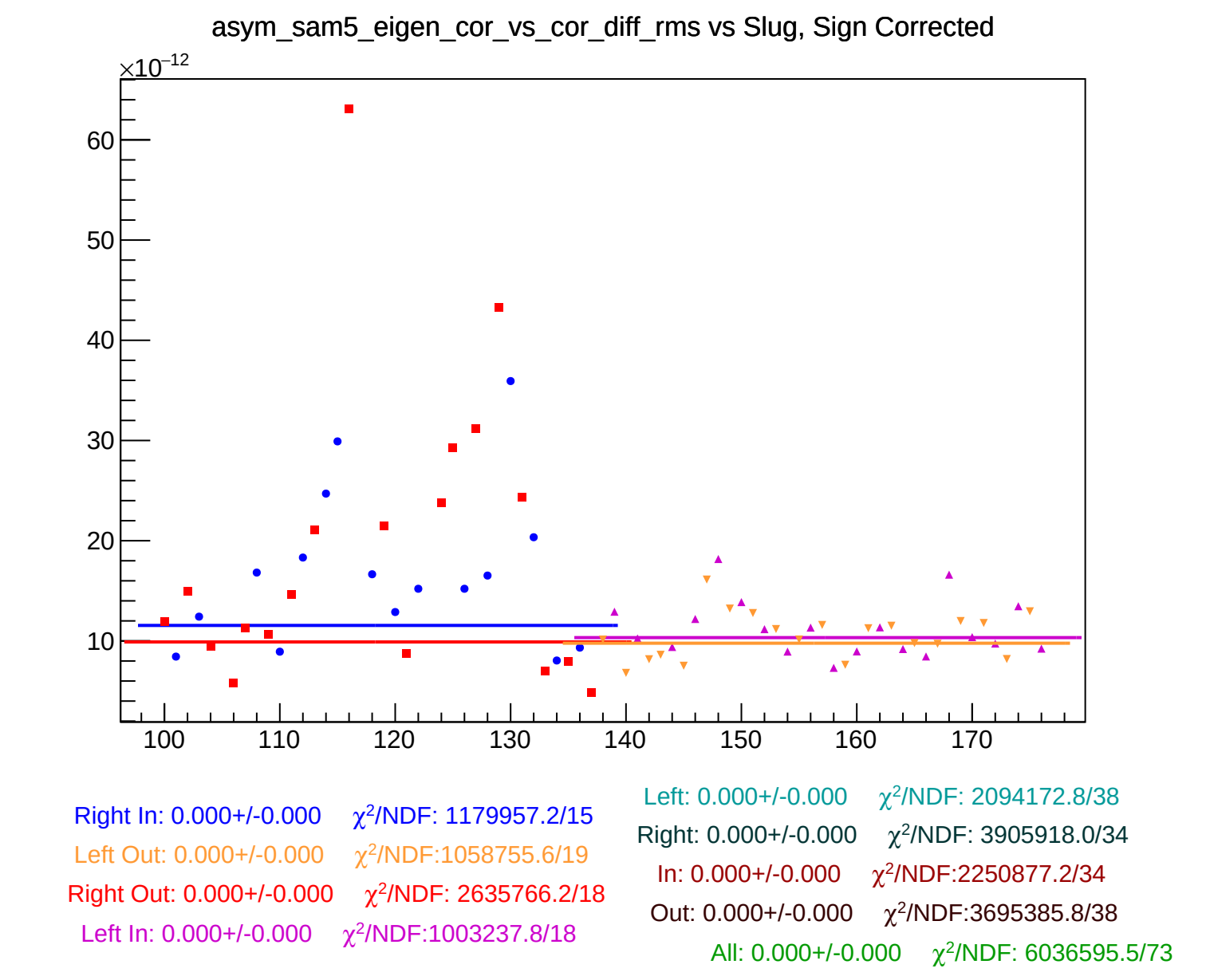
Left: 0.000+/-0.000 χ^2/NDF: 34.2/38

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

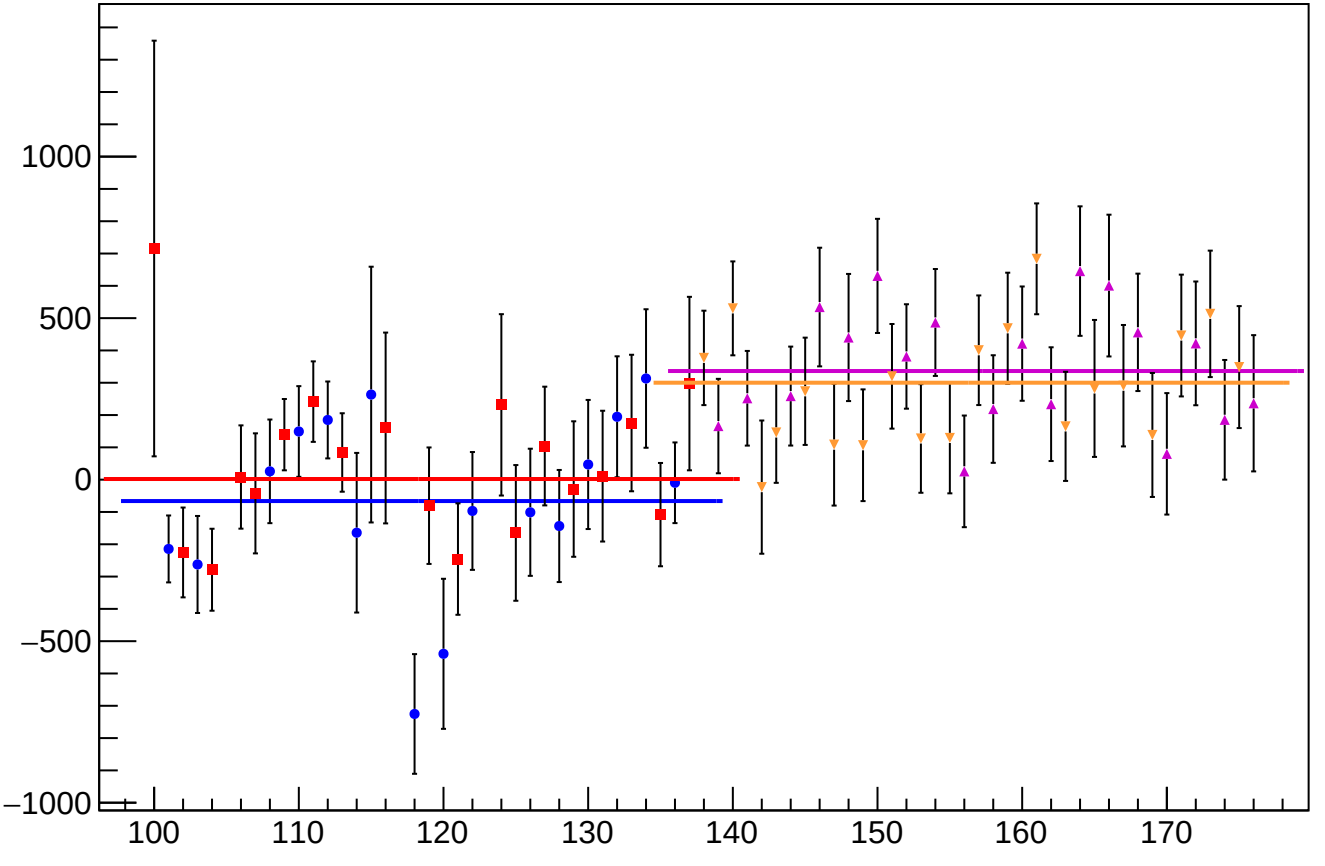
In: -0.000+/-0.000 χ^2/NDF:32.2/34

Out: 0.000+/-0.000 χ^2/NDF:43.7/38

All: -0.000+/-0.000 χ^2/NDF: 76.9/73


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:1058755.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1003237.8/18
Left: 0.000+/-0.000 χ²/NDF: 2094172.8/38
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2250877.2/34
Out: 0.000+/-0.000 χ²/NDF:3695385.8/38
All: 0.000+/-0.000 χ²/NDF: 6036595.5/73

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.122+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 336.296+/-40.318 χ^2/NDF:18.6/18

Left: 317.550+/-27.985 χ^2/NDF: 39.1/38

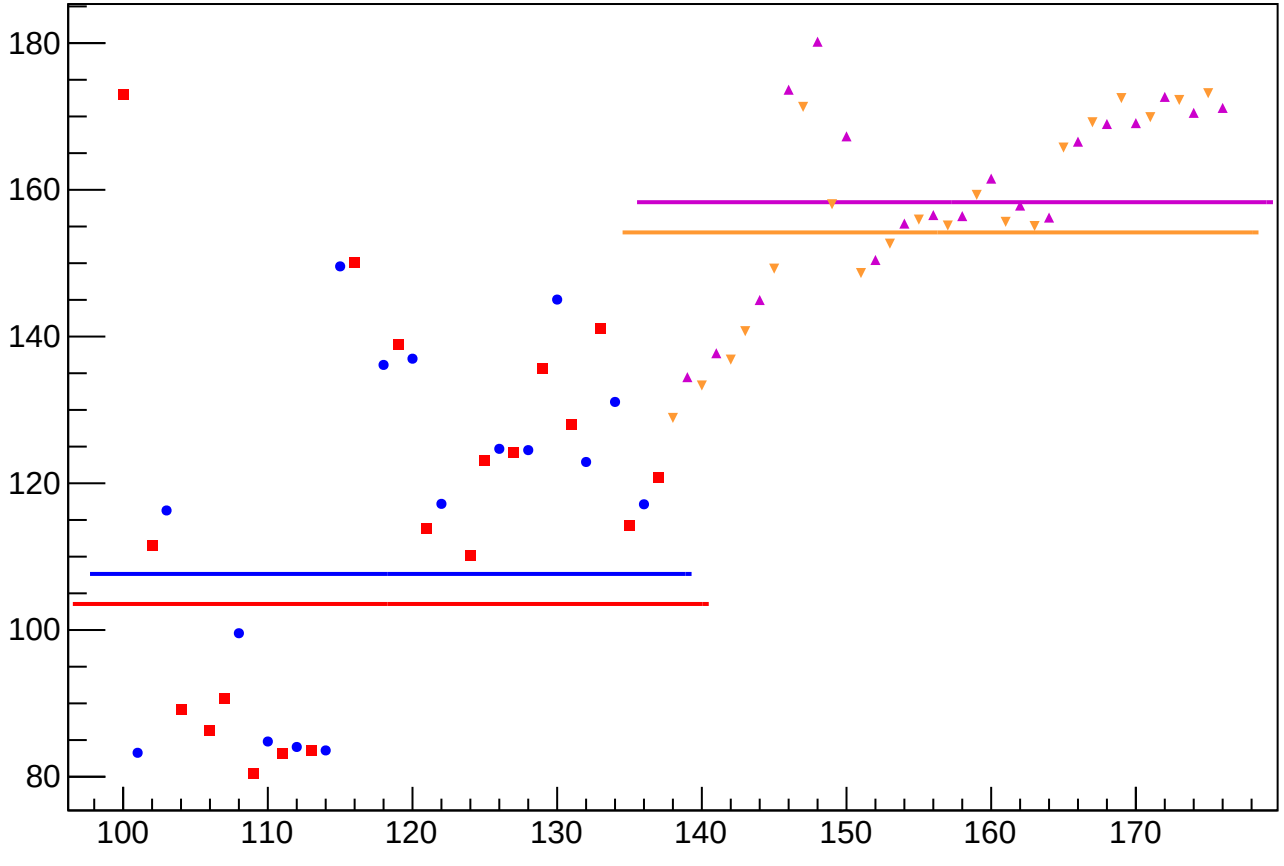
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 138.101+/-28.725 χ^2/NDF:102.1/34

Out: 151.037+/-27.486 χ^2/NDF:70.6/38

All: 144.854+/-19.859 χ^2/NDF: 172.8/73

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

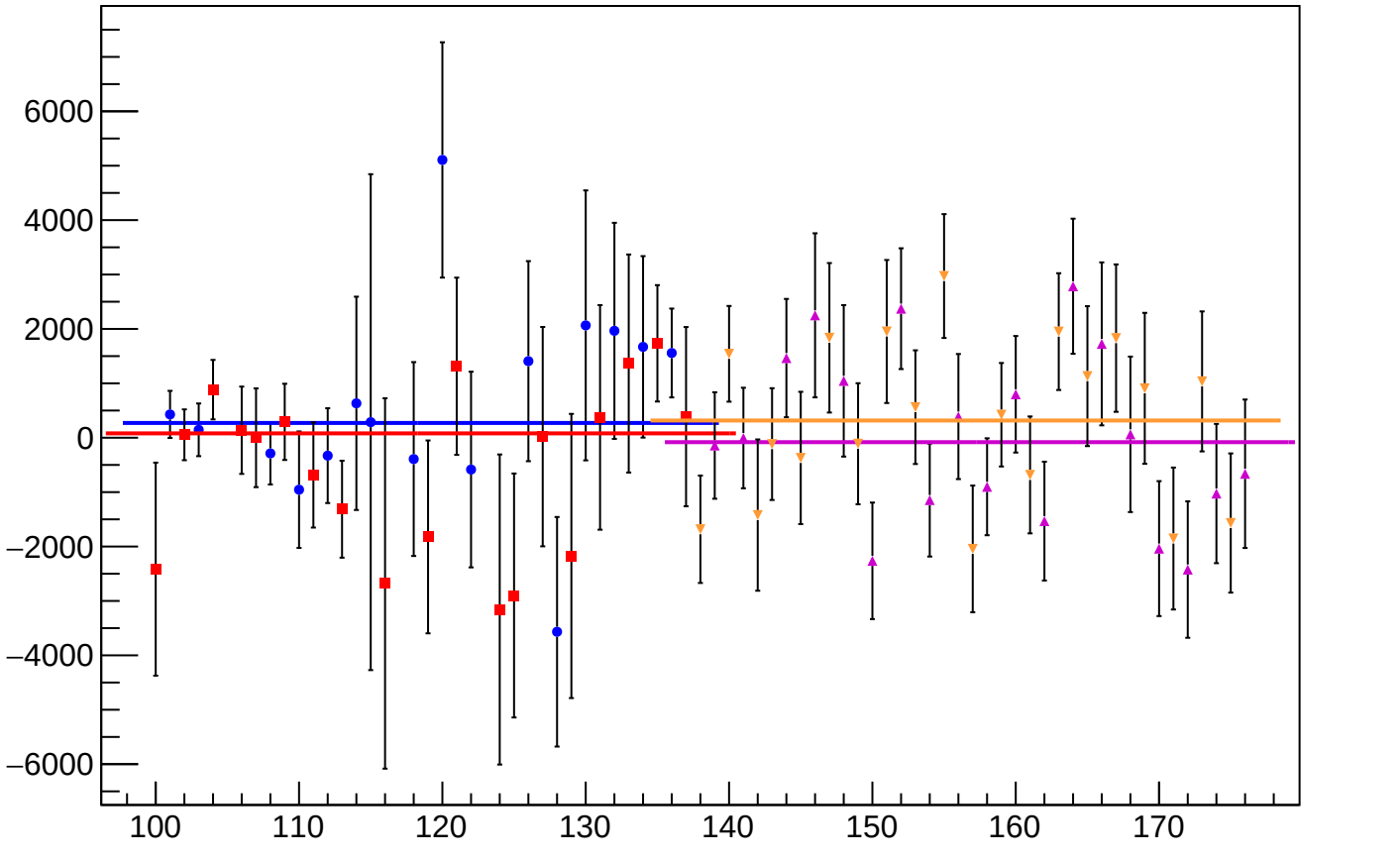
Left: 156.180+/-0.020 χ^2/NDF: 454912.9/38

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 133.365+/-0.020 χ^2/NDF:2290214.8/34

Out: 128.867+/-0.019 χ^2/NDF:2557055.1/38

All: 131.017+/-0.014 χ^2/NDF: 4872875.1/73



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 316.480+/-257.218 χ^2/NDF:30.9/19

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -81.617+/-263.776 χ^2/NDF:32.1/18

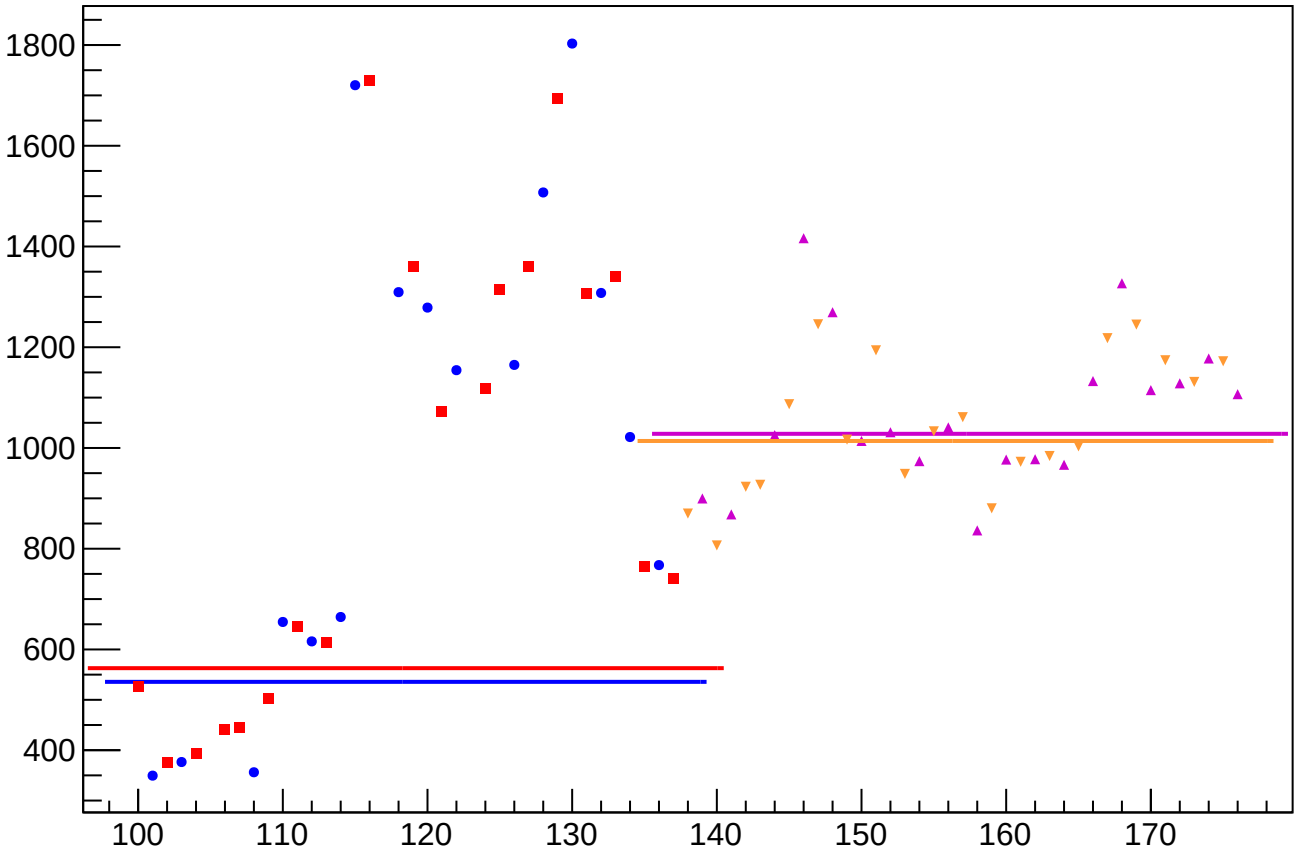
Left: 122.442+/-184.156 χ^2/NDF: 64.2/38

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 118.488+/-173.637 χ^2/NDF:49.6/34

Out: 186.212+/-172.340 χ^2/NDF:47.4/38

All: 152.604+/-122.319 χ^2/NDF: 97.1/73



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1013.894+/-0.182 χ^2/NDF:512358.4/19

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1028.117+/-0.187 χ^2/NDF:553416.7/18

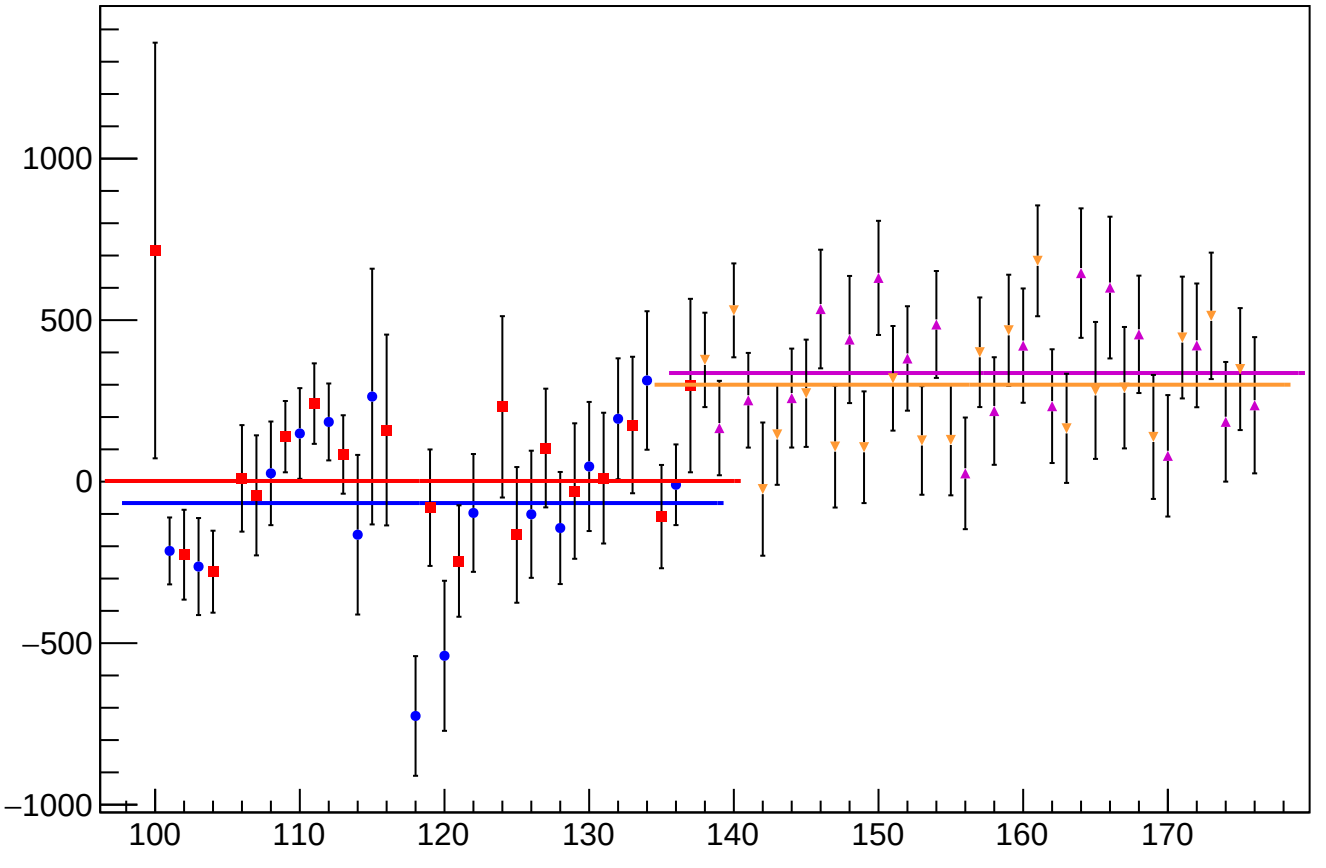
Left: 1020.826+/-0.130 χ^2/NDF: 1068755.5/38

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 749.068+/-0.123 χ^2/NDF:8135708.4/34

Out: 765.329+/-0.122 χ^2/NDF:7012541.4/38

All: 757.259+/-0.086 χ^2/NDF: 15157085.8/73



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 336.302+/-40.318 χ^2/NDF:18.6/18

Left: 317.551+/-27.985 χ^2/NDF: 39.1/38

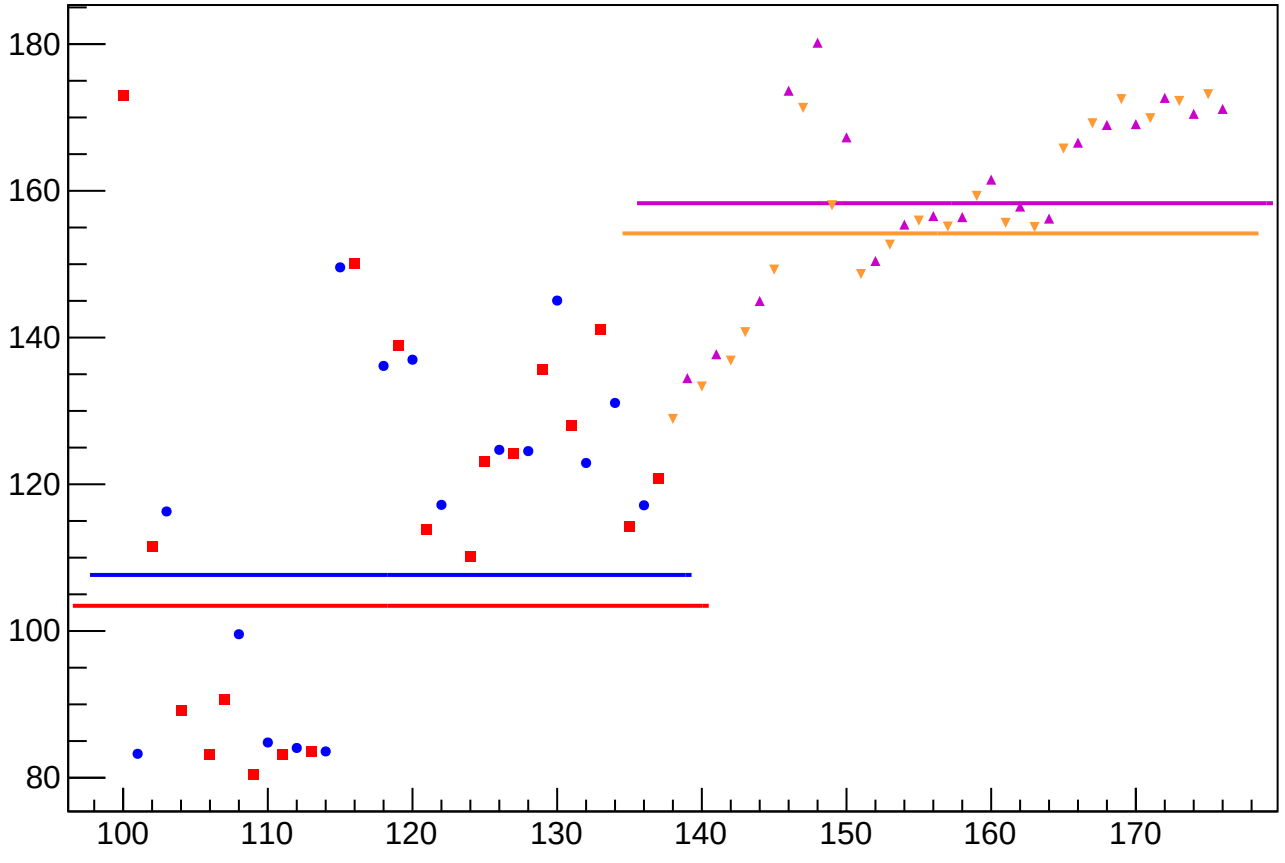
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 138.091+/-28.725 χ^2/NDF:102.1/34

Out: 151.327+/-27.510 χ^2/NDF:70.6/38

All: 144.995+/-19.868 χ^2/NDF: 172.8/73

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

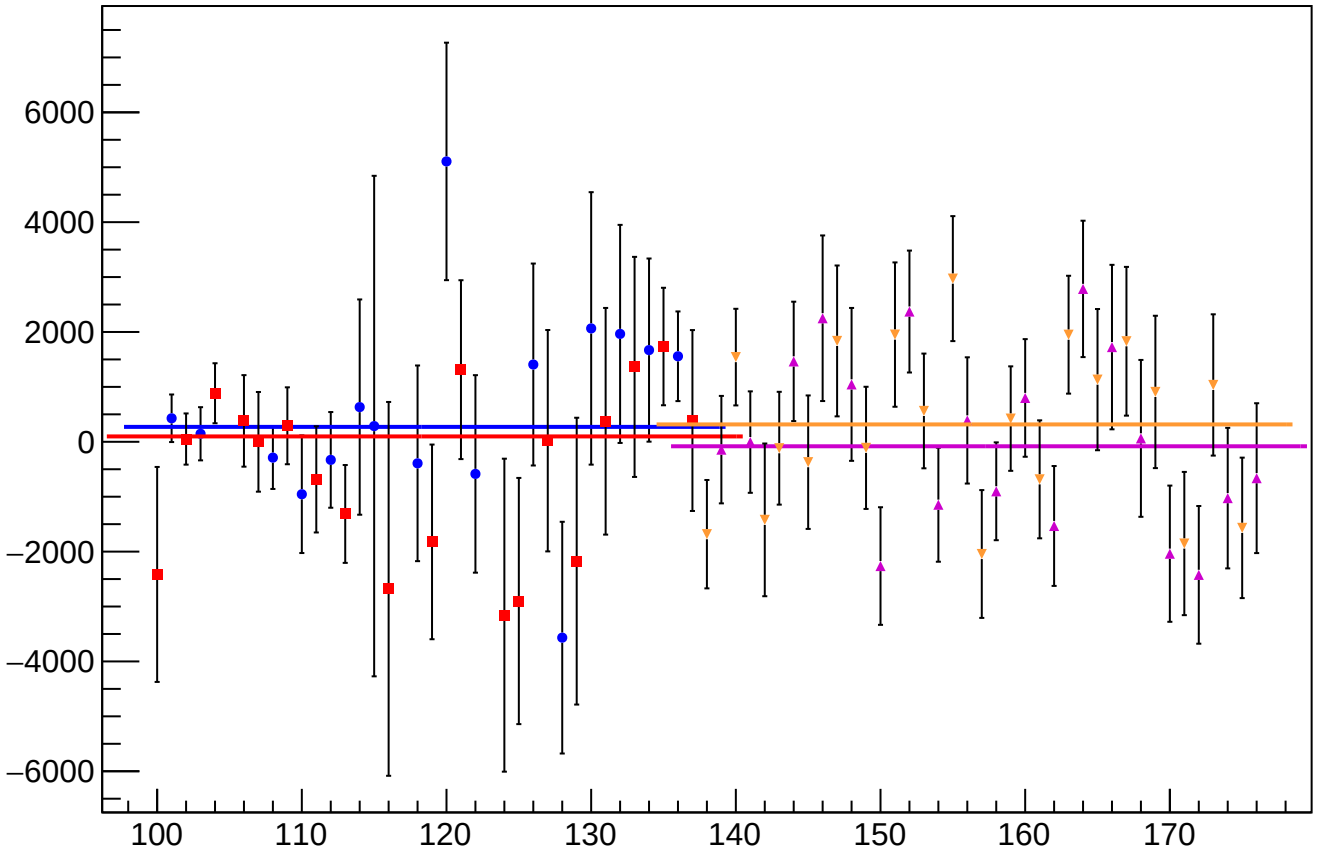
Left: 156.180+/-0.020 χ^2/NDF: 454912.9/38

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 133.365+/-0.020 χ^2/NDF:2290212.2/34

Out: 128.857+/-0.019 χ^2/NDF:2568906.5/38

All: 131.014+/-0.014 χ^2/NDF: 4884819.4/73



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -81.616+/-263.776 χ^2/NDF:32.1/18

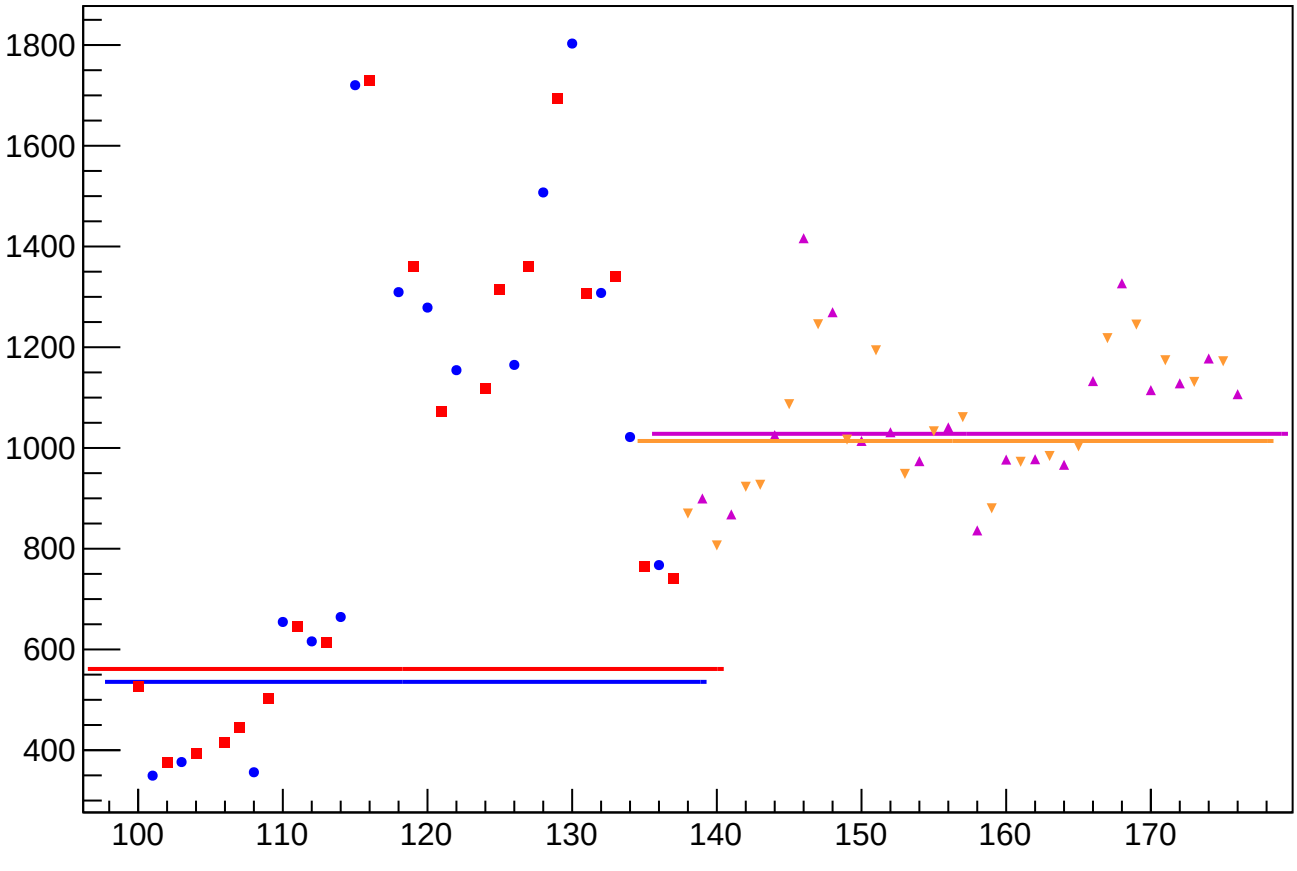
Left: 122.445+/-184.156 χ^2/NDF: 64.2/38

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 118.573+/-173.634 χ^2/NDF:49.6/34

Out: 196.289+/-172.596 χ^2/NDF:47.4/38

All: 157.664+/-122.409 χ^2/NDF: 97.1/73



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

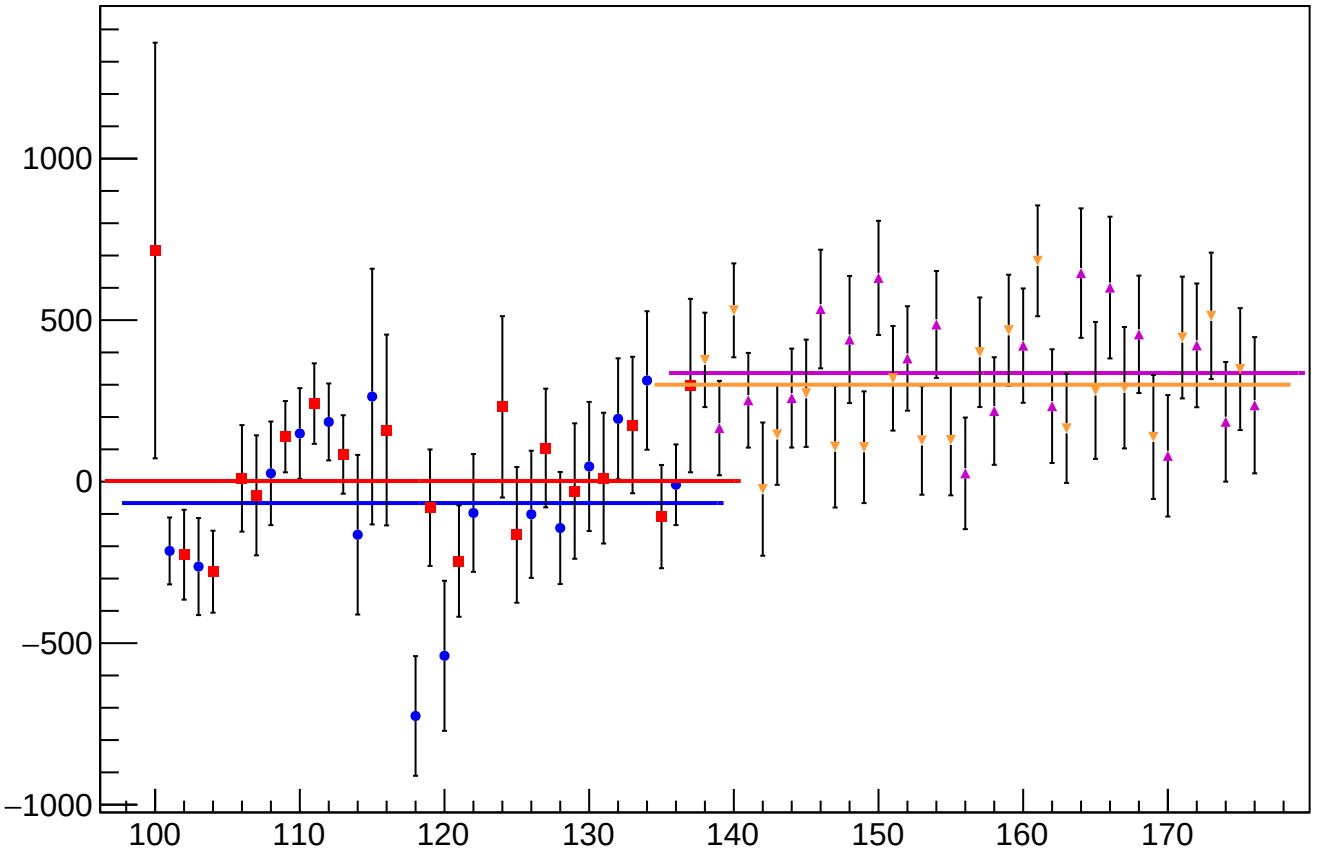
Left: 1020.827+/-0.130 χ^2/NDF: 1068752.7/38

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 749.048+/-0.123 χ^2/NDF:8136362.3/34

Out: 765.065+/-0.122 χ^2/NDF:7047725.8/38

All: 757.104+/-0.087 χ^2/NDF: 15192648.0/73



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 300.119+/-38.875 χ^2/NDF:20.1/19

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 336.302+/-40.318 χ^2/NDF:18.6/18

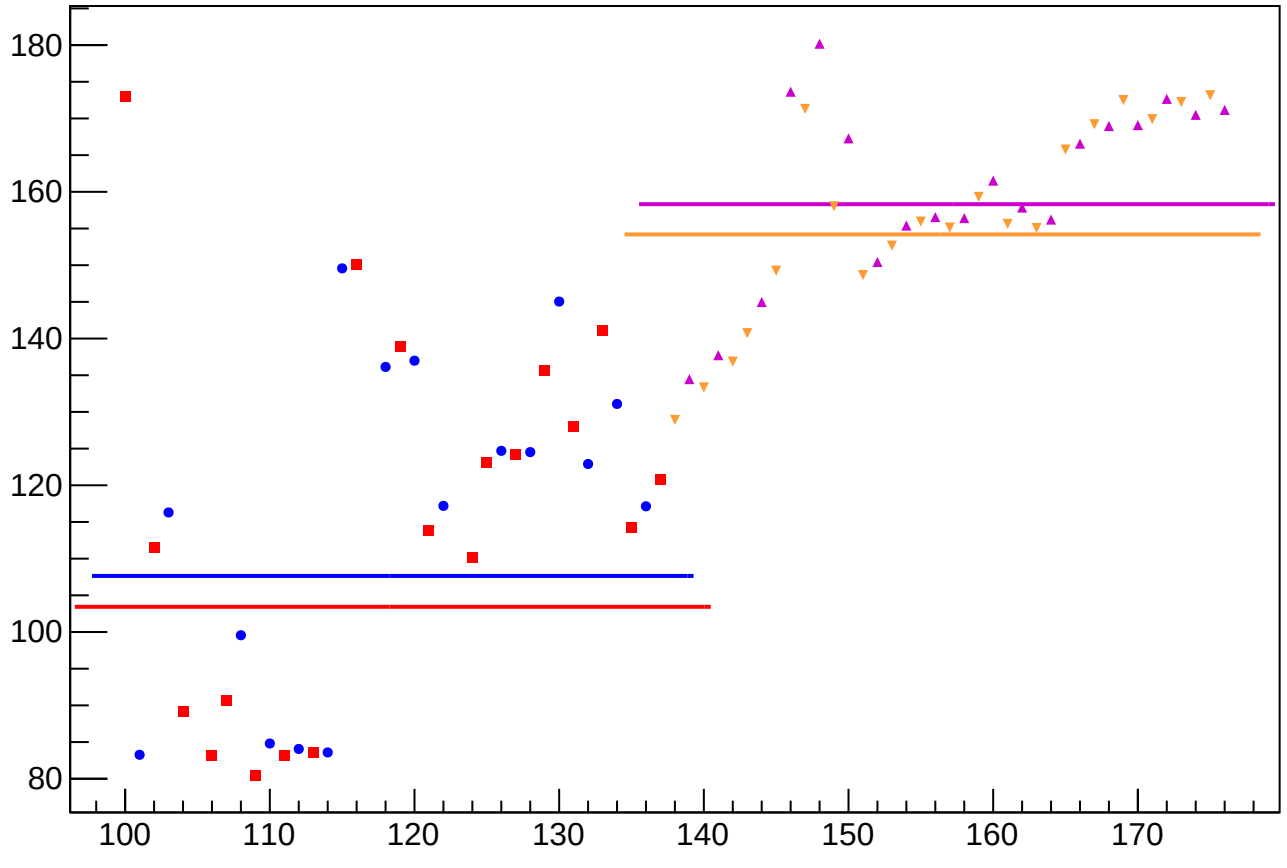
Left: 317.551+/-27.985 χ^2/NDF: 39.1/38

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 138.091+/-28.725 χ^2/NDF:102.1/34

Out: 151.327+/-27.510 χ^2/NDF:70.6/38

All: 144.995+/-19.868 χ^2/NDF: 172.8/73



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.195+/-0.027 χ^2/NDF:242101.0/19

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

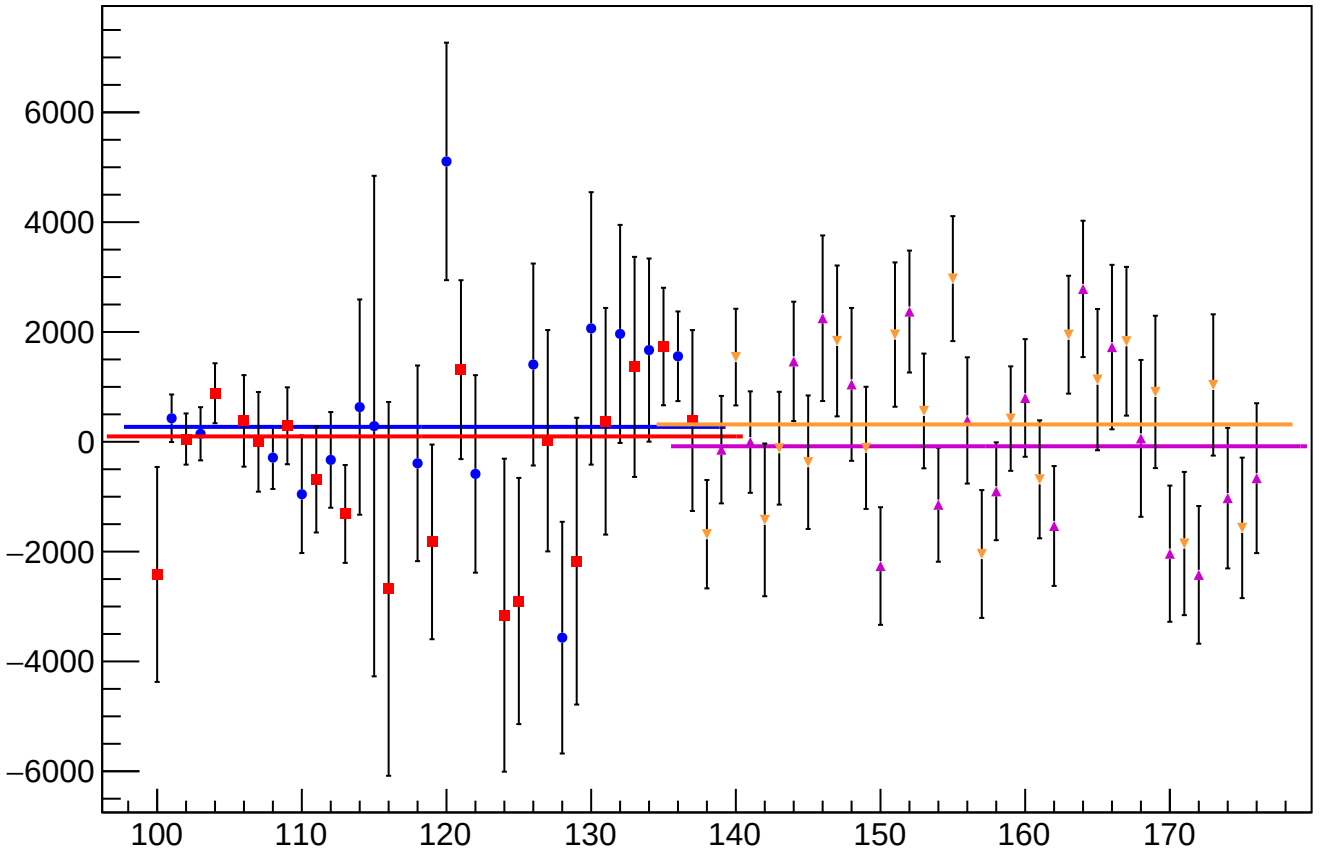
Left: 156.180+/-0.020 χ^2/NDF: 454912.9/38

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 133.365+/-0.020 χ^2/NDF:2290212.2/34

Out: 128.857+/-0.019 χ^2/NDF:2568906.5/38

All: 131.014+/-0.014 χ^2/NDF: 4884819.4/73



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 316.485+/-257.218 χ^2/NDF:30.9/19

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -81.616+/-263.776 χ^2/NDF:32.1/18

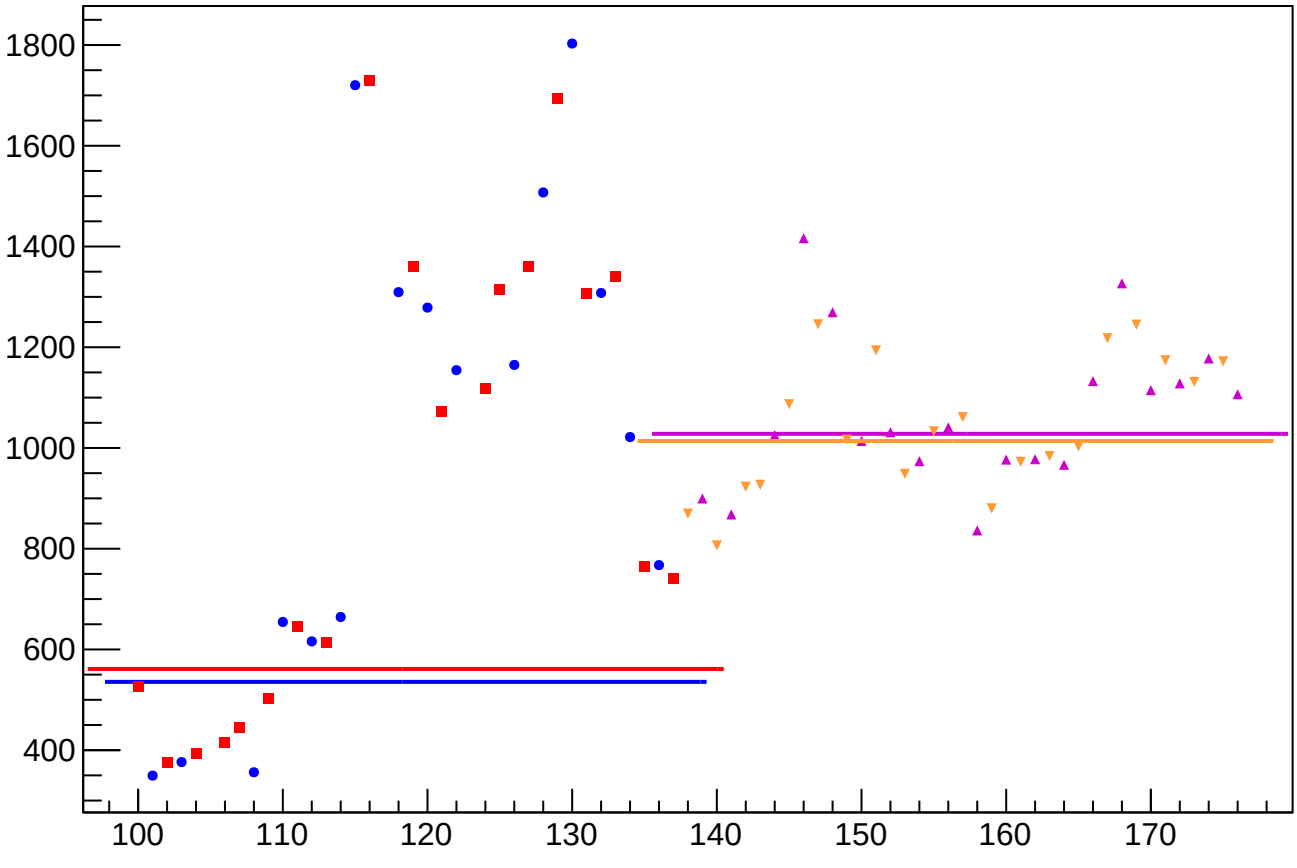
Left: 122.445+/-184.156 χ^2/NDF: 64.2/38

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 118.573+/-173.634 χ^2/NDF:49.6/34

Out: 196.289+/-172.596 χ^2/NDF:47.4/38

All: 157.664+/-122.409 χ^2/NDF: 97.1/73



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1013.895+/-0.182 χ^2/NDF:512358.1/19

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

Left: 1020.827+/-0.130 χ^2/NDF: 1068752.7/38

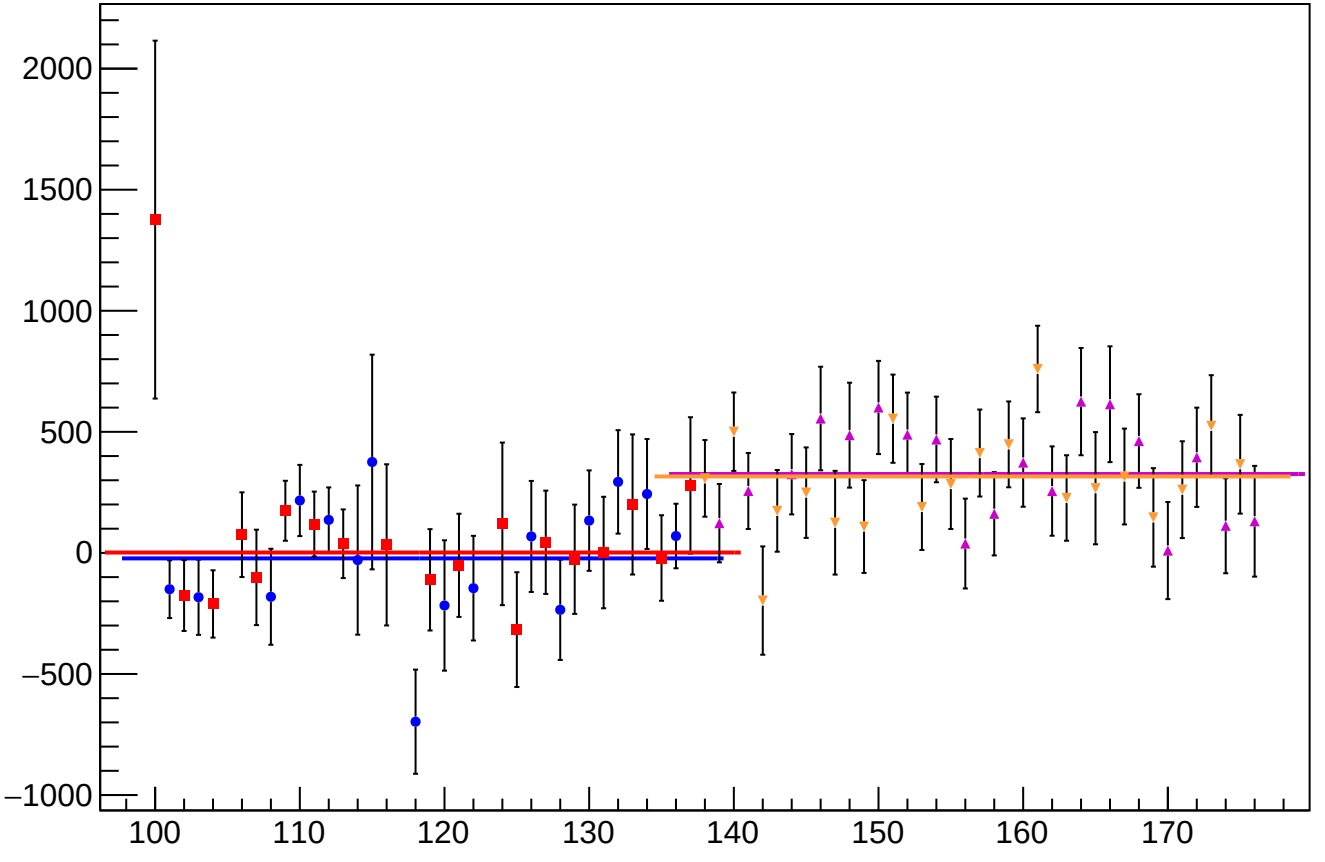
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 749.048+/-0.123 χ^2/NDF:8136362.3/34

Out: 765.065+/-0.122 χ^2/NDF:7047725.8/38

All: 757.104+/-0.087 χ^2/NDF: 15192648.0/73

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.641+/-41.952 χ^2/NDF:20.7/19

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 325.723+/-43.391 χ^2/NDF:18.8/18

Left: 320.512+/-30.160 χ^2/NDF: 39.6/38

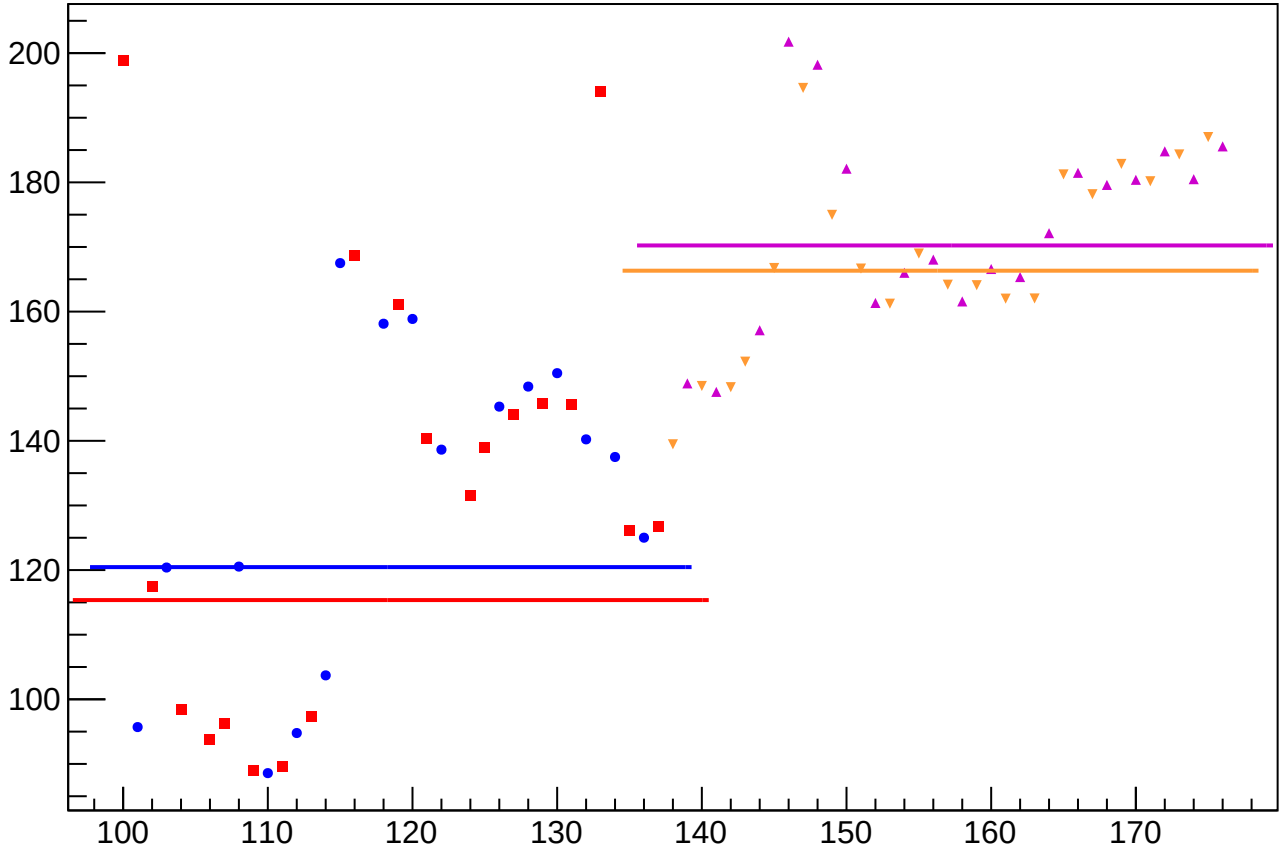
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.338+/-31.534 χ^2/NDF:73.4/34

Out: 164.536+/-30.218 χ^2/NDF:62.0/38

All: 163.005+/-21.818 χ^2/NDF: 135.5/73

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.330+/-0.030 χ^2/NDF:226360.9/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 170.236+/-0.031 χ^2/NDF:226211.4/18

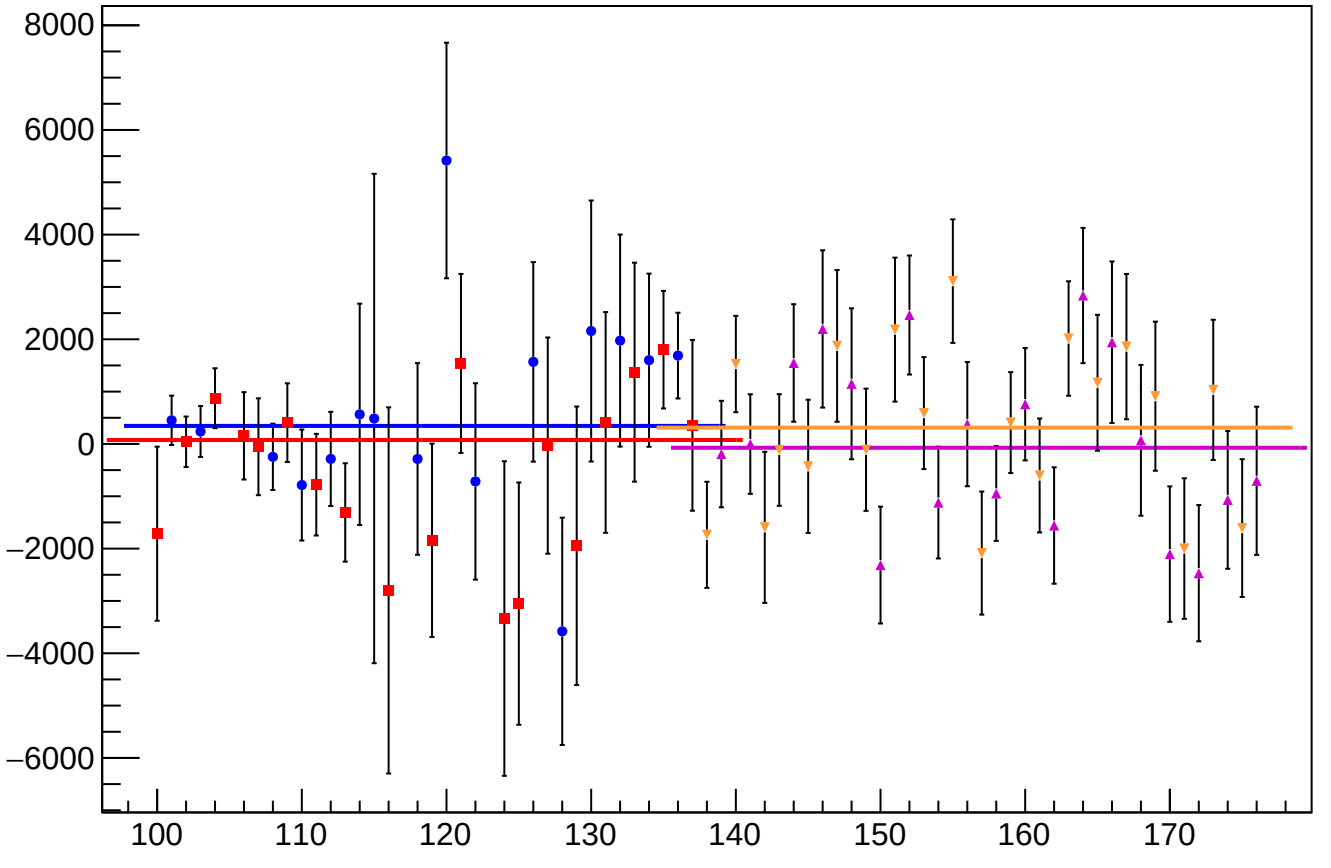
Left: 168.217+/-0.021 χ^2/NDF: 460951.6/38

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 146.750+/-0.022 χ^2/NDF:1998466.4/34

Out: 141.803+/-0.021 χ^2/NDF:2414275.7/38

All: 144.171+/-0.015 χ^2/NDF: 4438393.1/73



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 312.410+/-265.087 χ^2/NDF:31.4/19

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -72.836+/-271.102 χ^2/NDF:31.9/18

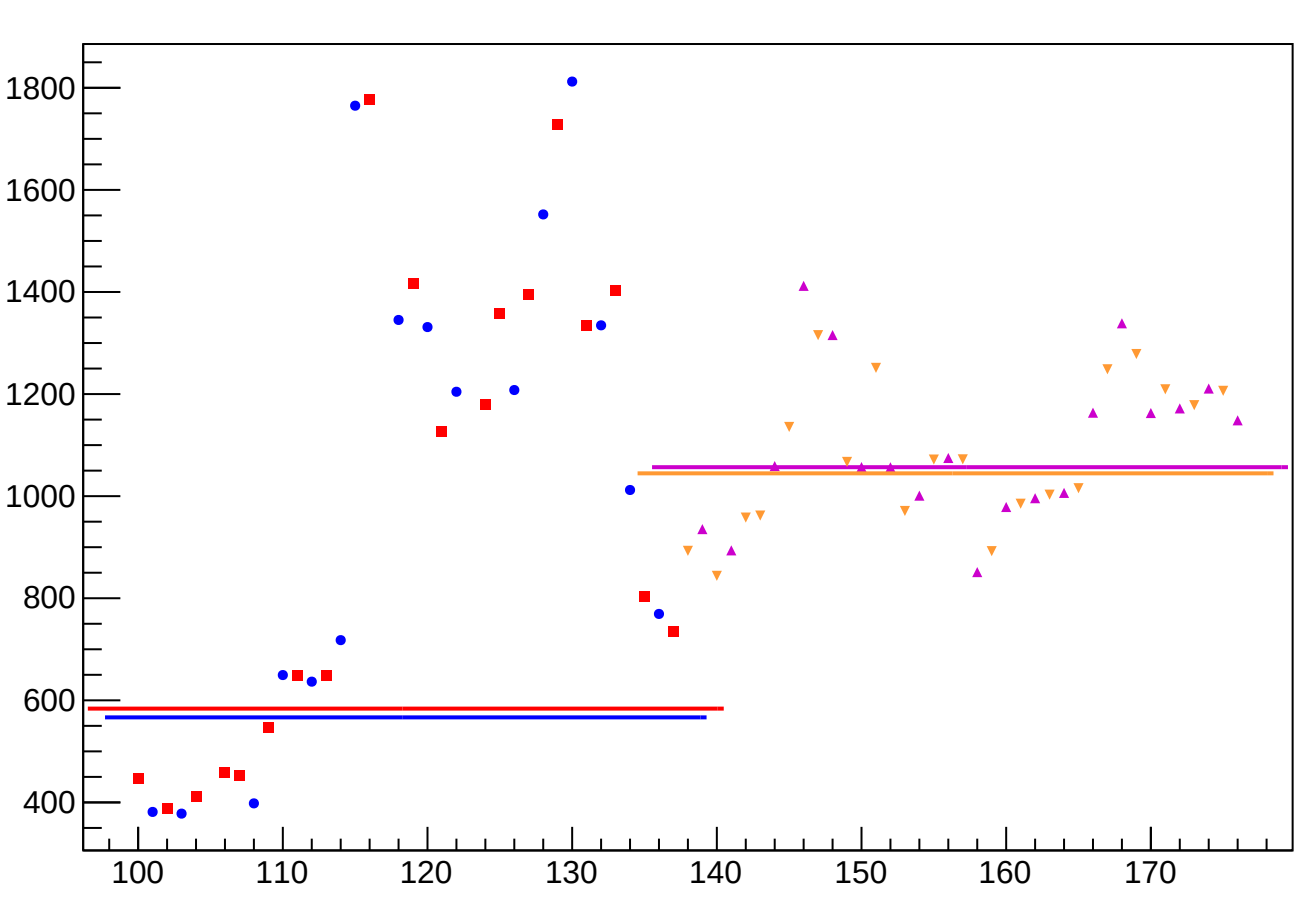
Left: 124.108+/-189.536 χ^2/NDF: 64.4/38

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 159.790+/-180.341 χ^2/NDF:49.5/34

Out: 182.415+/-178.110 χ^2/NDF:47.1/38

All: 171.243+/-126.724 χ^2/NDF: 96.6/73



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533655.5/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1056.766+/-0.192 χ^2/NDF:542586.0/18

Left: 1050.592+/-0.134 χ^2/NDF: 1078270.3/38

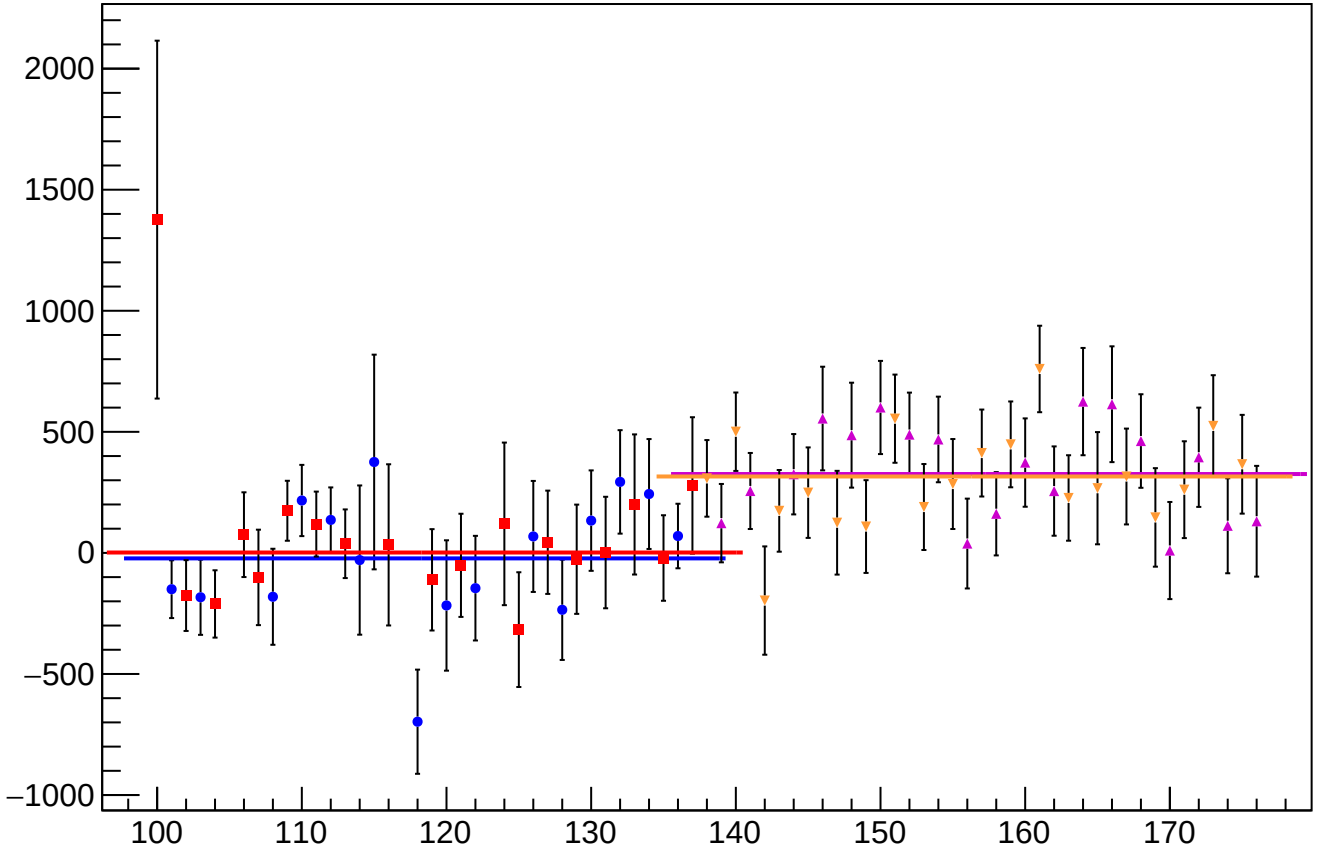
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 783.504+/-0.128 χ^2/NDF:7619899.9/34

Out: 791.861+/-0.126 χ^2/NDF:6957678.9/38

All: 787.735+/-0.090 χ^2/NDF: 14579753.2/73

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 315.642+/-41.952 χ^2/NDF:20.7/19

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 325.724+/-43.390 χ^2/NDF:18.8/18

Left: 320.513+/-30.160 χ^2/NDF: 39.6/38

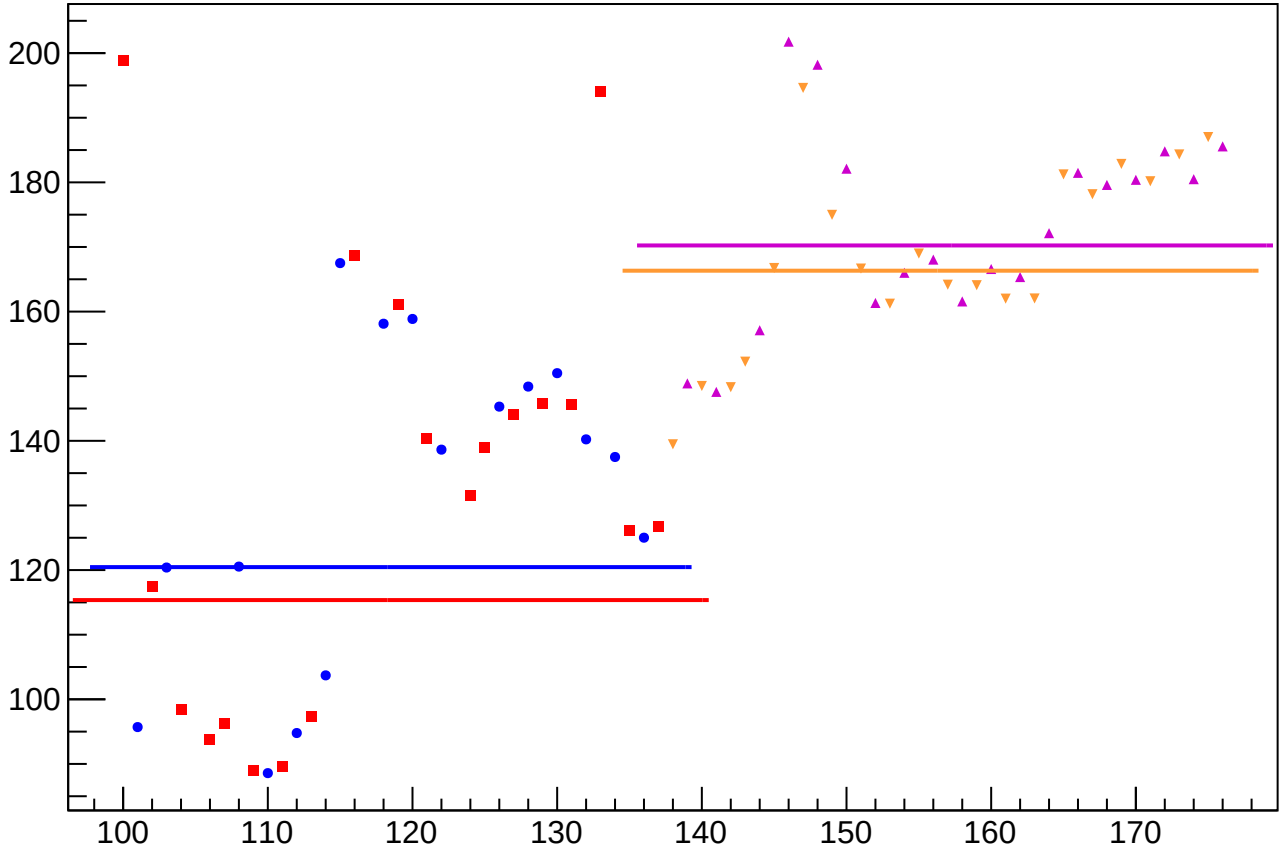
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.337+/-31.534 χ^2/NDF:73.4/34

Out: 164.537+/-30.218 χ^2/NDF:62.0/38

All: 163.005+/-21.818 χ^2/NDF: 135.5/73

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.329+/-0.030 χ^2/NDF:226360.8/19

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 170.236+/-0.031 χ^2/NDF:226211.9/18

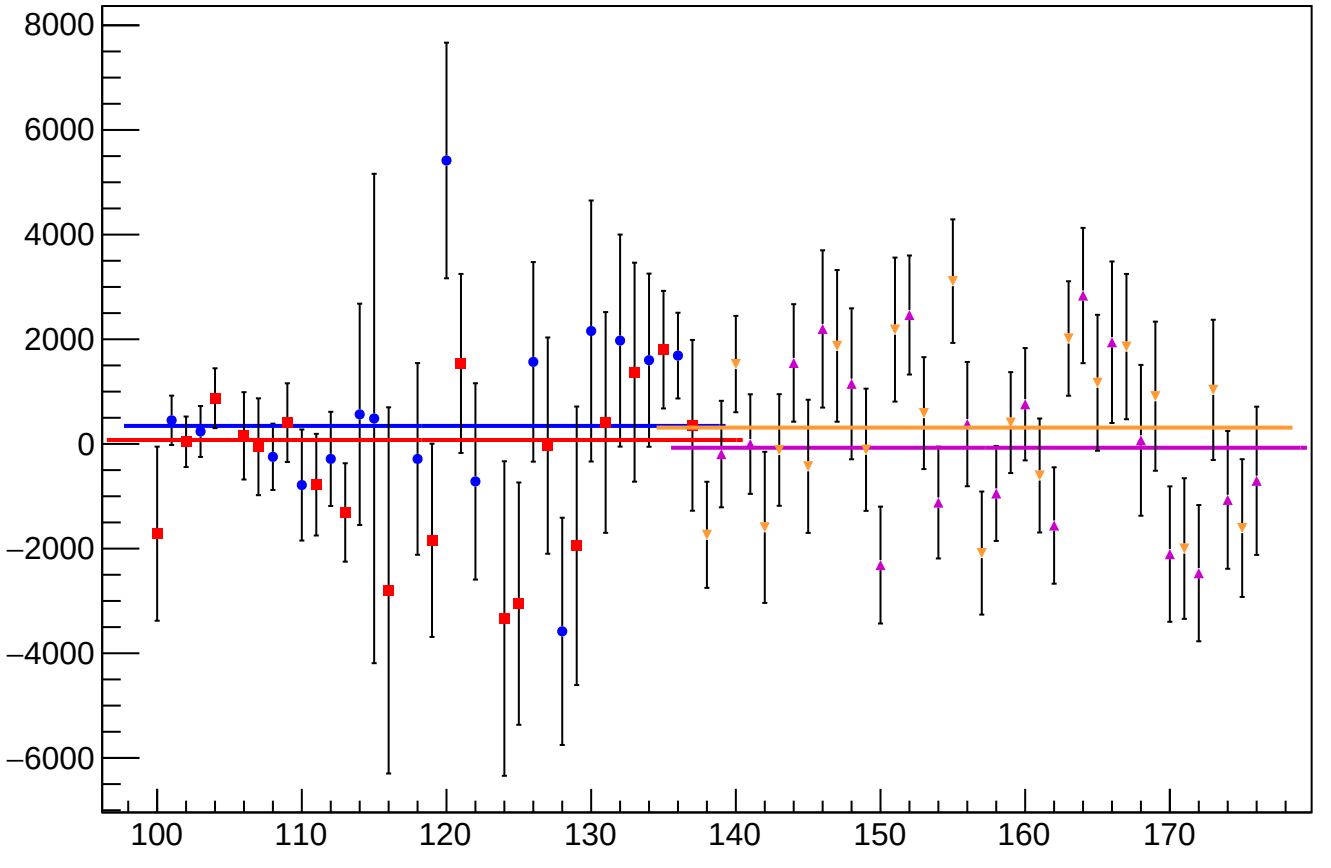
Left: 168.217+/-0.021 χ^2/NDF: 460952.1/38

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 146.749+/-0.022 χ^2/NDF:1998478.3/34

Out: 141.803+/-0.021 χ^2/NDF:2414278.3/38

All: 144.171+/-0.015 χ^2/NDF: 4438407.3/73



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 312.411+/-265.087 χ^2/NDF:31.4/19

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -72.836+/-271.102 χ^2/NDF:31.9/18

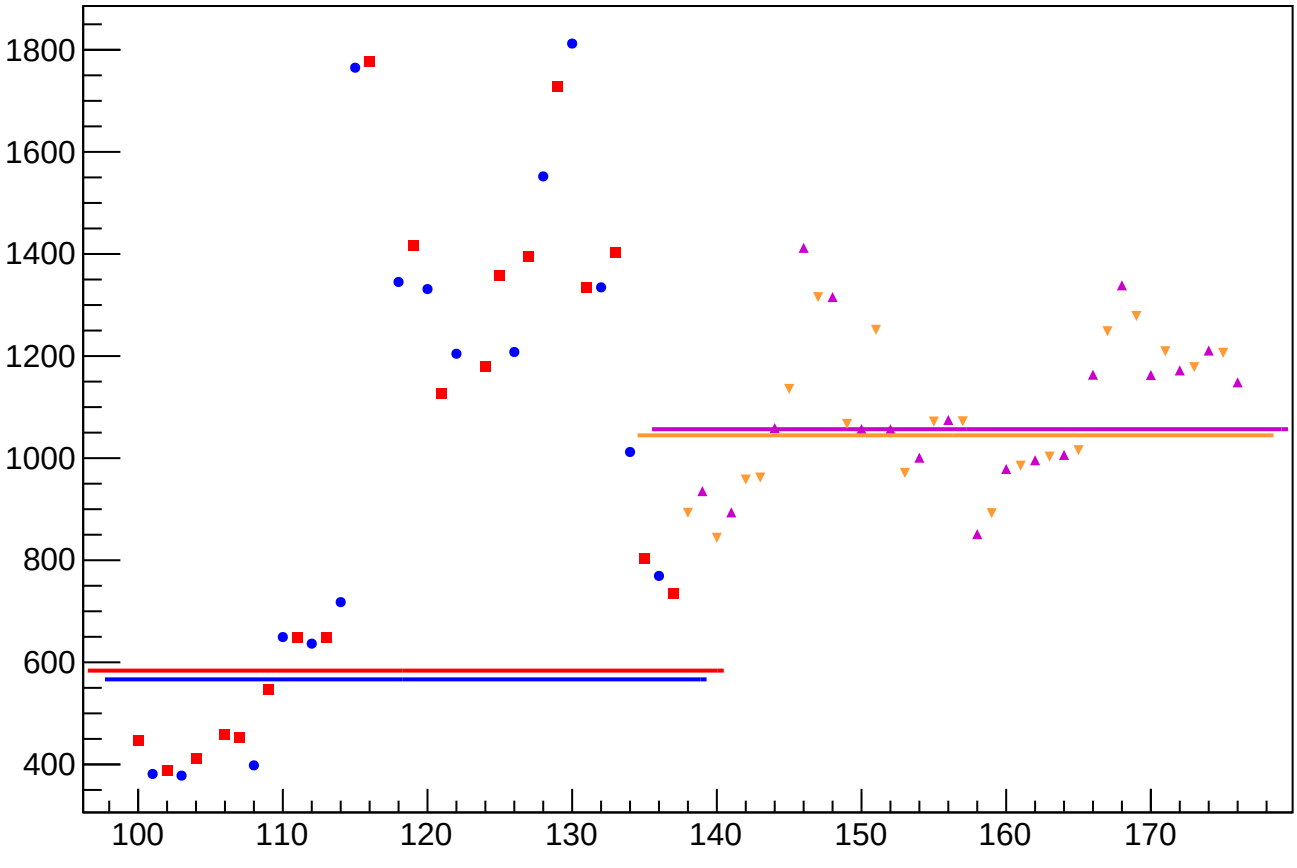
Left: 124.109+/-189.536 χ^2/NDF: 64.4/38

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 159.790+/-180.341 χ^2/NDF:49.5/34

Out: 182.416+/-178.110 χ^2/NDF:47.1/38

All: 171.244+/-126.724 χ^2/NDF: 96.6/73



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1044.690+/-0.187 χ^2/NDF:533659.2/19

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1056.766+/-0.192 χ^2/NDF:542589.8/18

Left: 1050.592+/-0.134 χ^2/NDF: 1078277.6/38

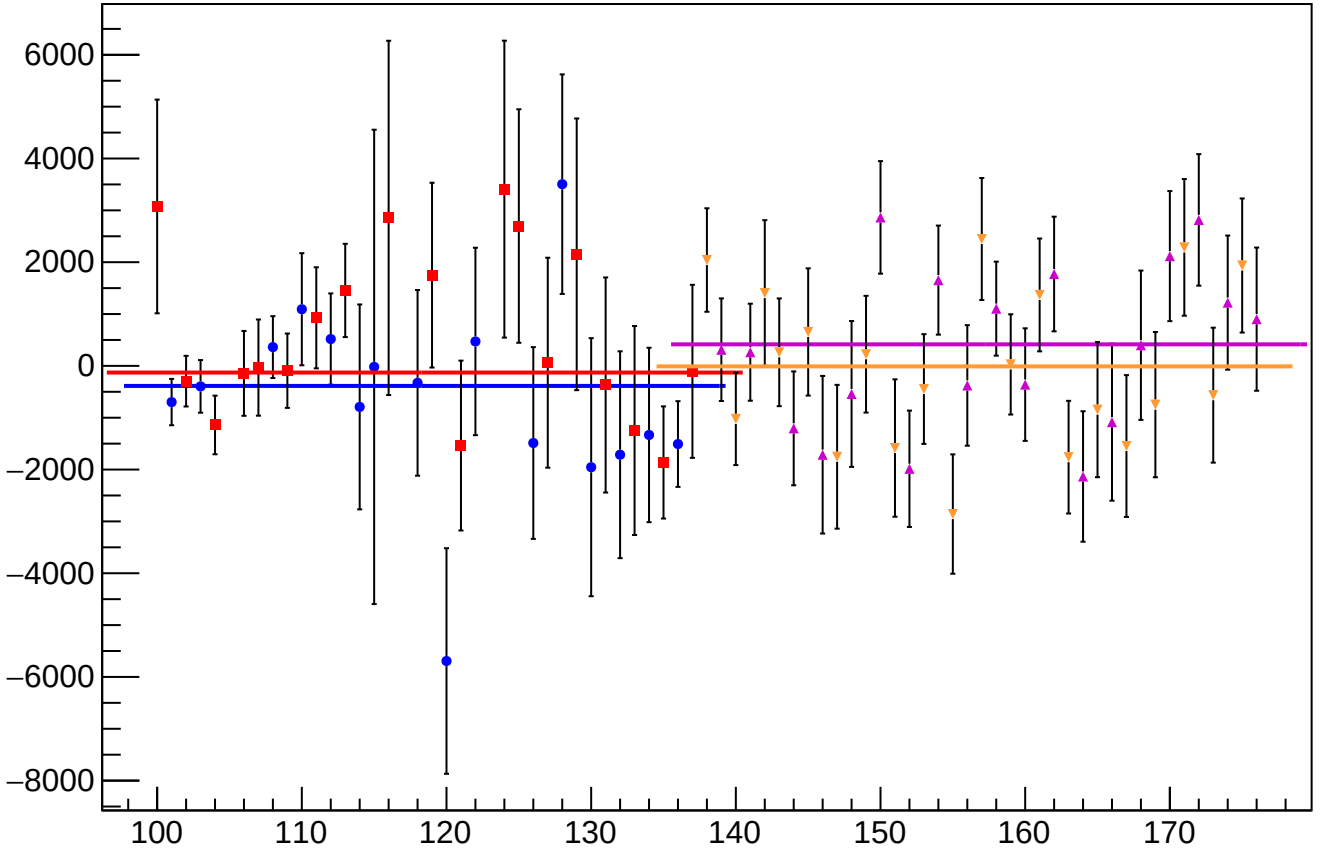
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 783.503+/-0.128 χ^2/NDF:7619921.3/34

Out: 791.861+/-0.126 χ^2/NDF:6957692.6/38

All: 787.734+/-0.090 χ^2/NDF: 14579788.4/73

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -9.578+/-260.261 χ^2/NDF:32.2/19

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 415.483+/-266.981 χ^2/NDF:29.8/18

Left: 197.536+/-186.363 χ^2/NDF: 63.3/38

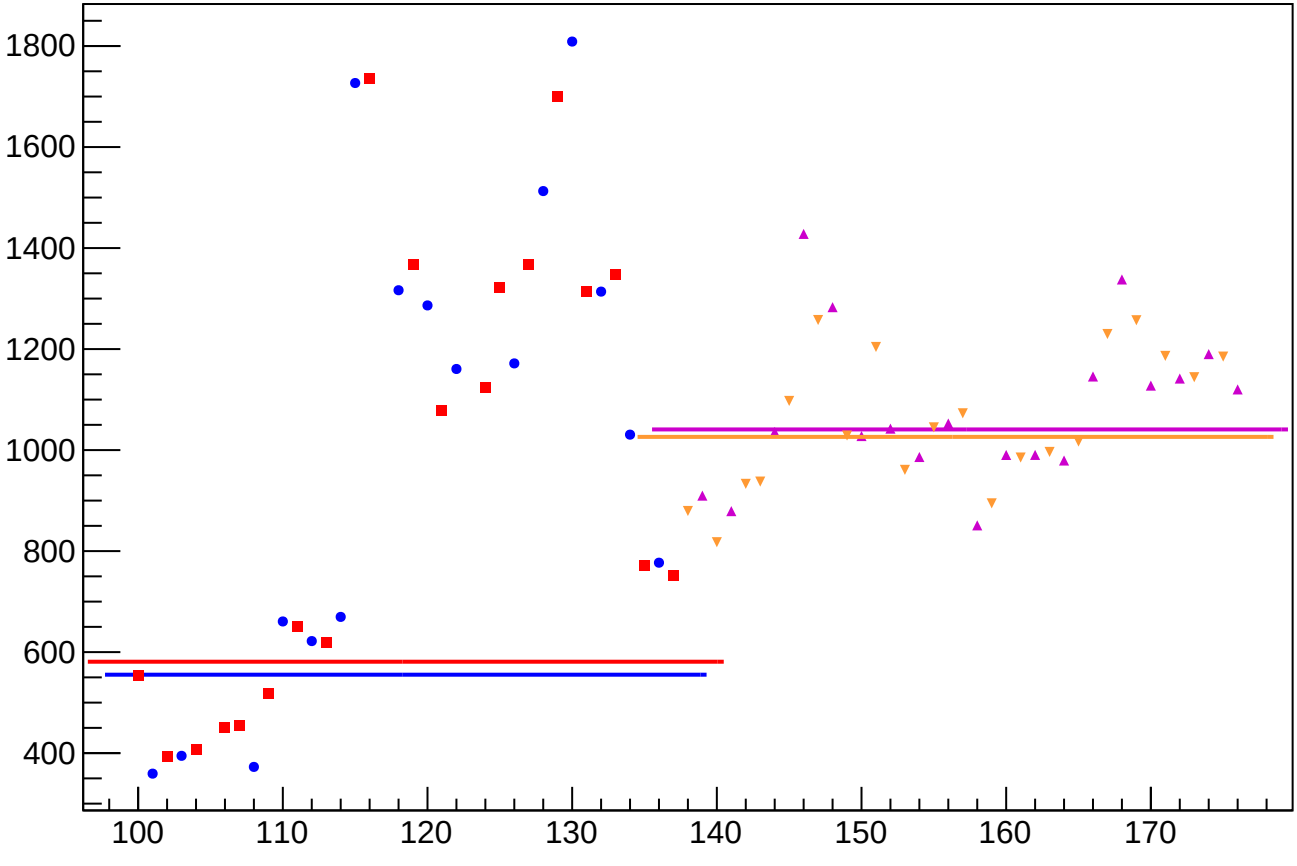
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -32.187+/-177.459 χ^2/NDF:52.7/34

Out: -74.327+/-175.732 χ^2/NDF:51.7/38

All: -53.463+/-124.867 χ^2/NDF: 104.5/73

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1026.141+/-0.184 χ^2/NDF:502183.4/19

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1040.902+/-0.189 χ^2/NDF:540821.1/18

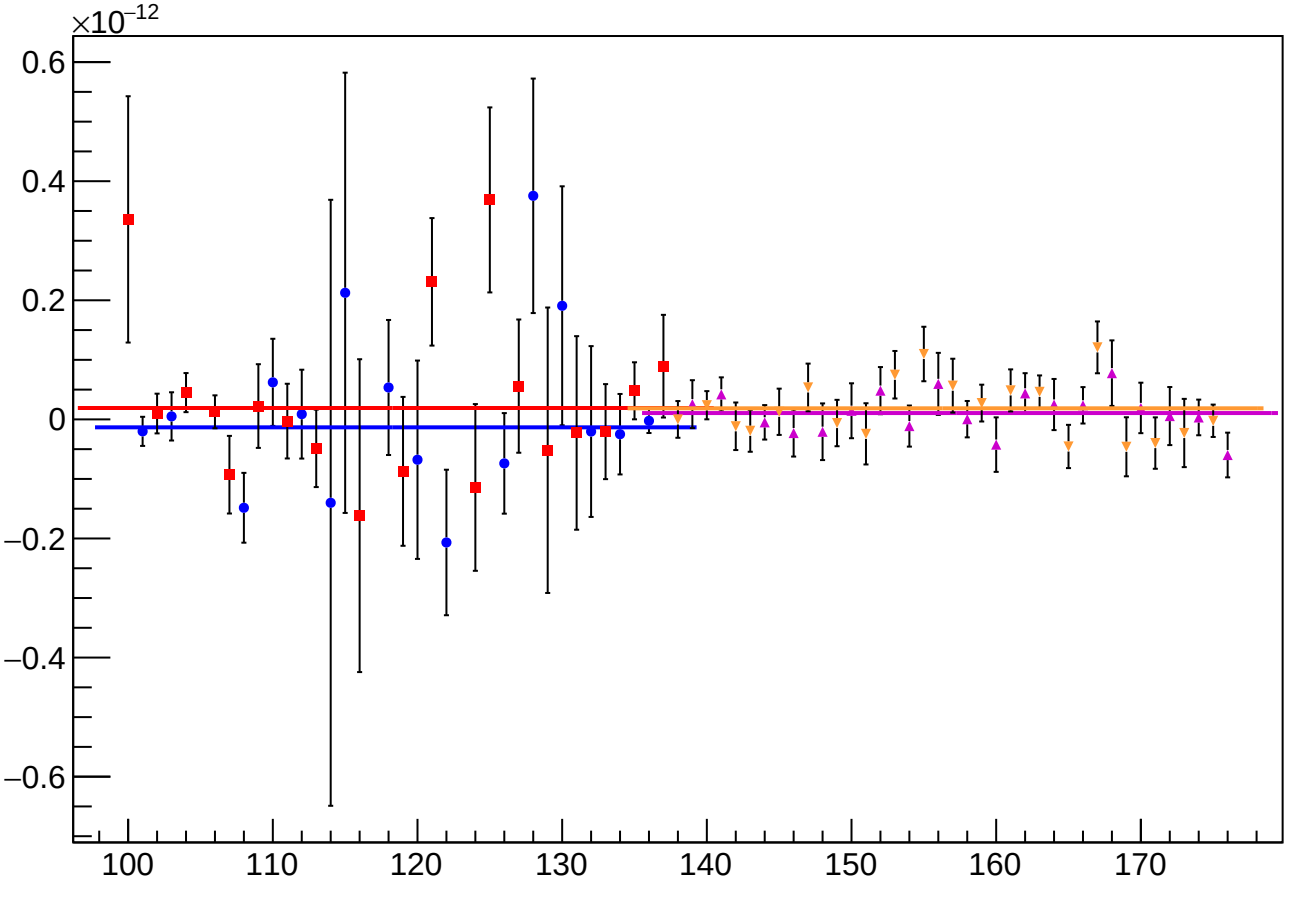
Left: 1033.333+/-0.132 χ^2/NDF: 1046139.0/38

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 769.840+/-0.125 χ^2/NDF:7716735.8/34

Out: 783.943+/-0.124 χ^2/NDF:6669085.1/38

All: 776.961+/-0.088 χ^2/NDF: 14392198.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/18

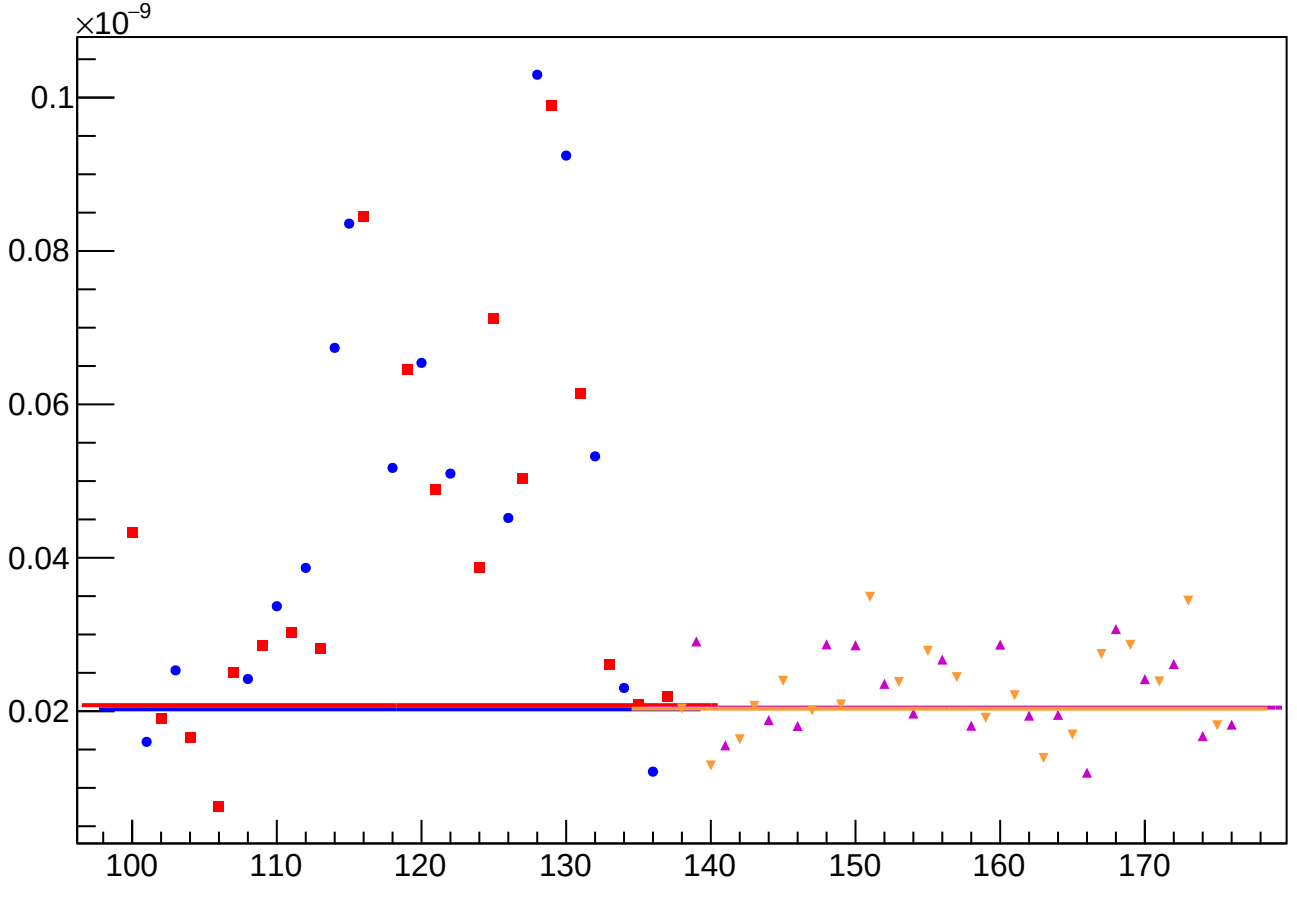
Left: 0.000+/-0.000 χ^2/NDF: 39.1/38

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:31.1/34

Out: 0.000+/-0.000 χ^2/NDF:45.7/38

All: 0.000+/-0.000 χ^2/NDF: 79.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:871026.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:711869.0/18

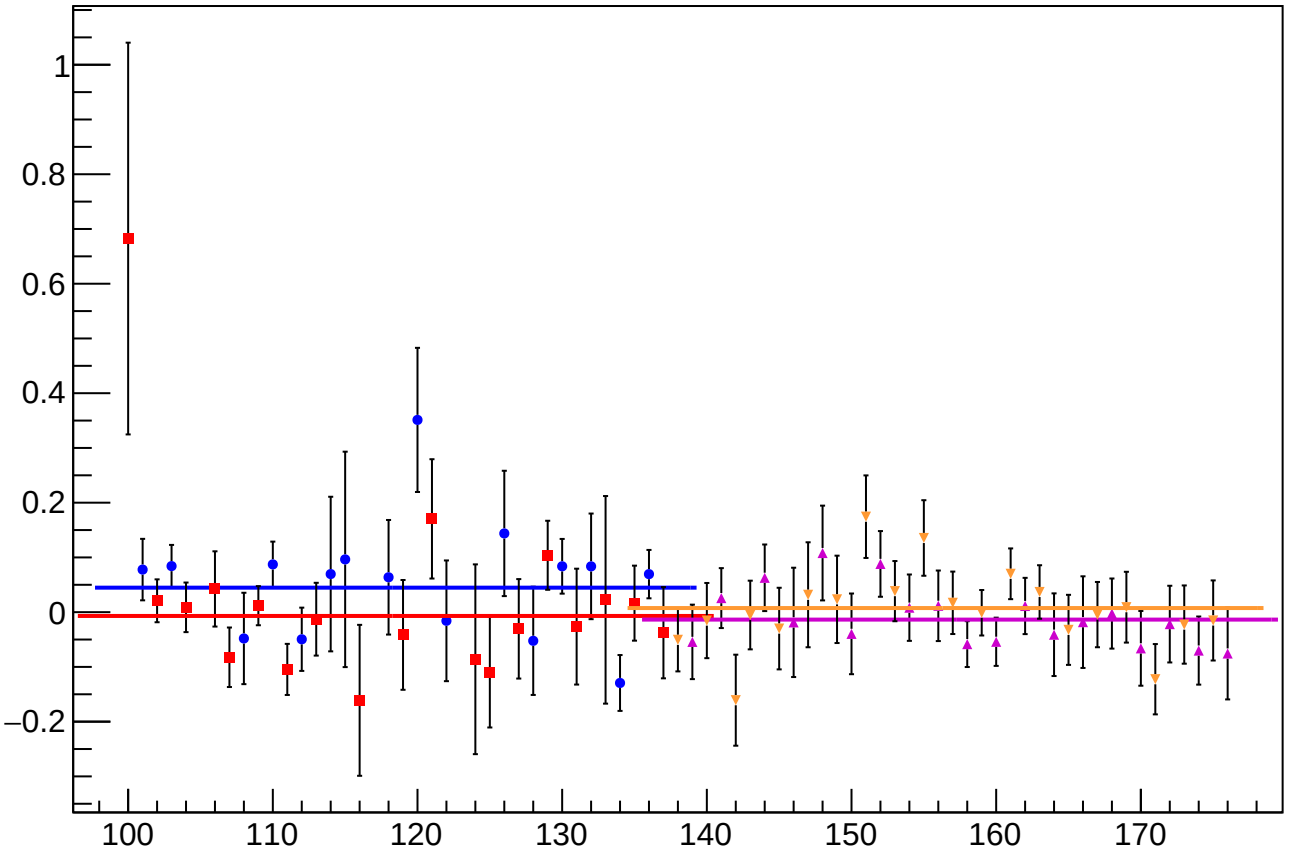
Left: 0.000+/-0.000 χ^2/NDF: 1583154.7/38

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2716953.8/34

Out: 0.000+/-0.000 χ^2/NDF:2728508.1/38

All: 0.000+/-0.000 χ^2/NDF: 5445509.4/73



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

Left: -0.003+/-0.010 χ^2/NDF: 34.5/38

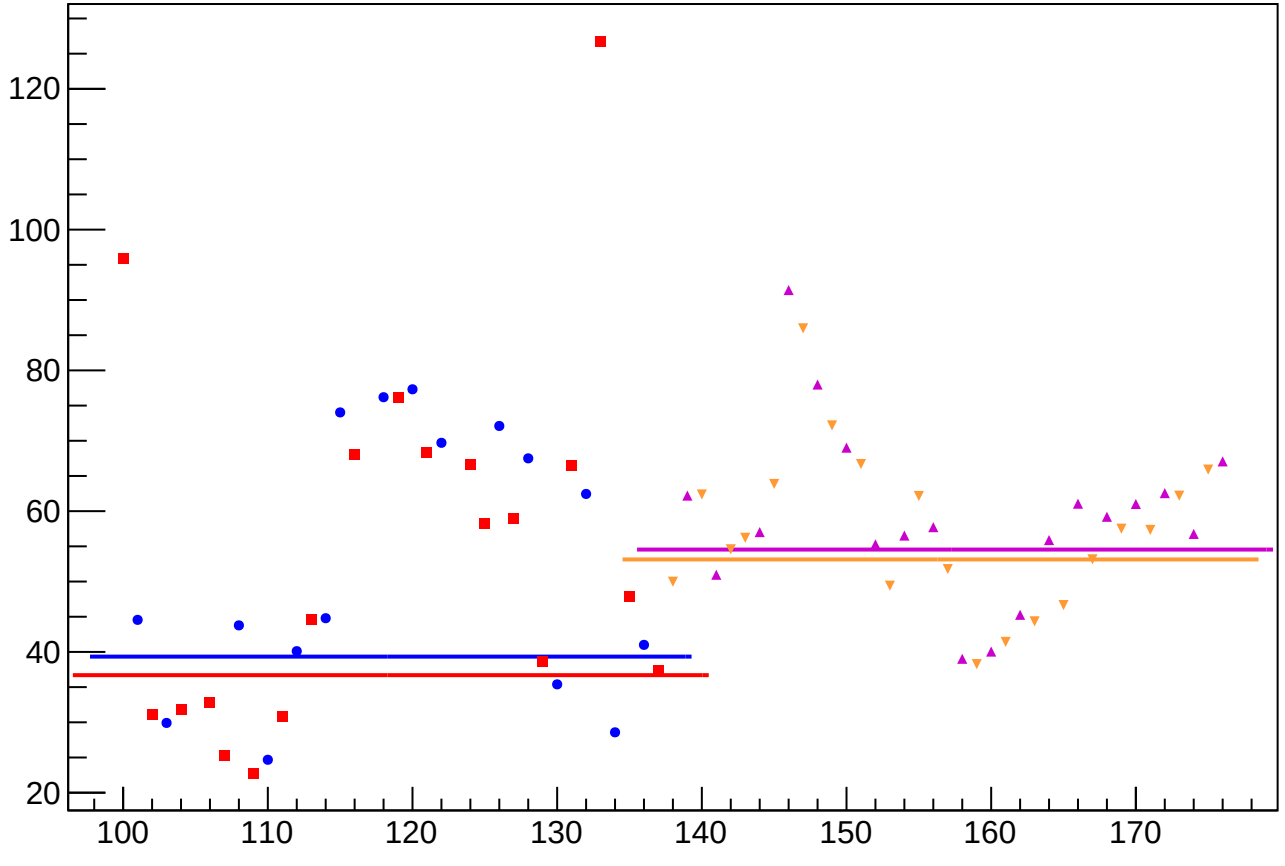
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.006+/-0.007 χ^2/NDF: 88.6/73

asym_sam6_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

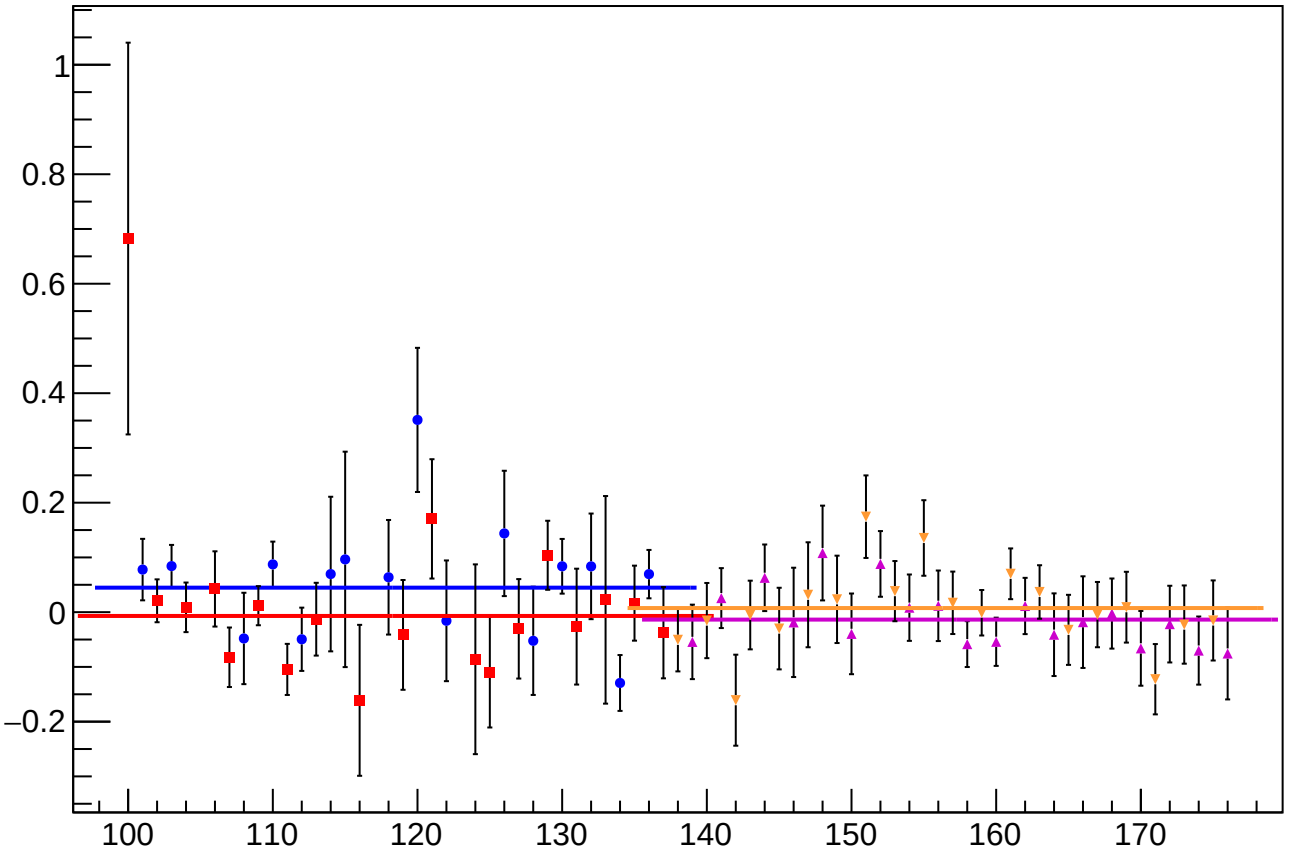
Left: 53.817+/-0.007 χ^2/NDF: 2349025.2/38

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.788+/-0.008 χ^2/NDF:3780362.4/34

Out: 45.651+/-0.007 χ^2/NDF:4512637.8/38

All: 46.670+/-0.005 χ^2/NDF: 8334881.4/73



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

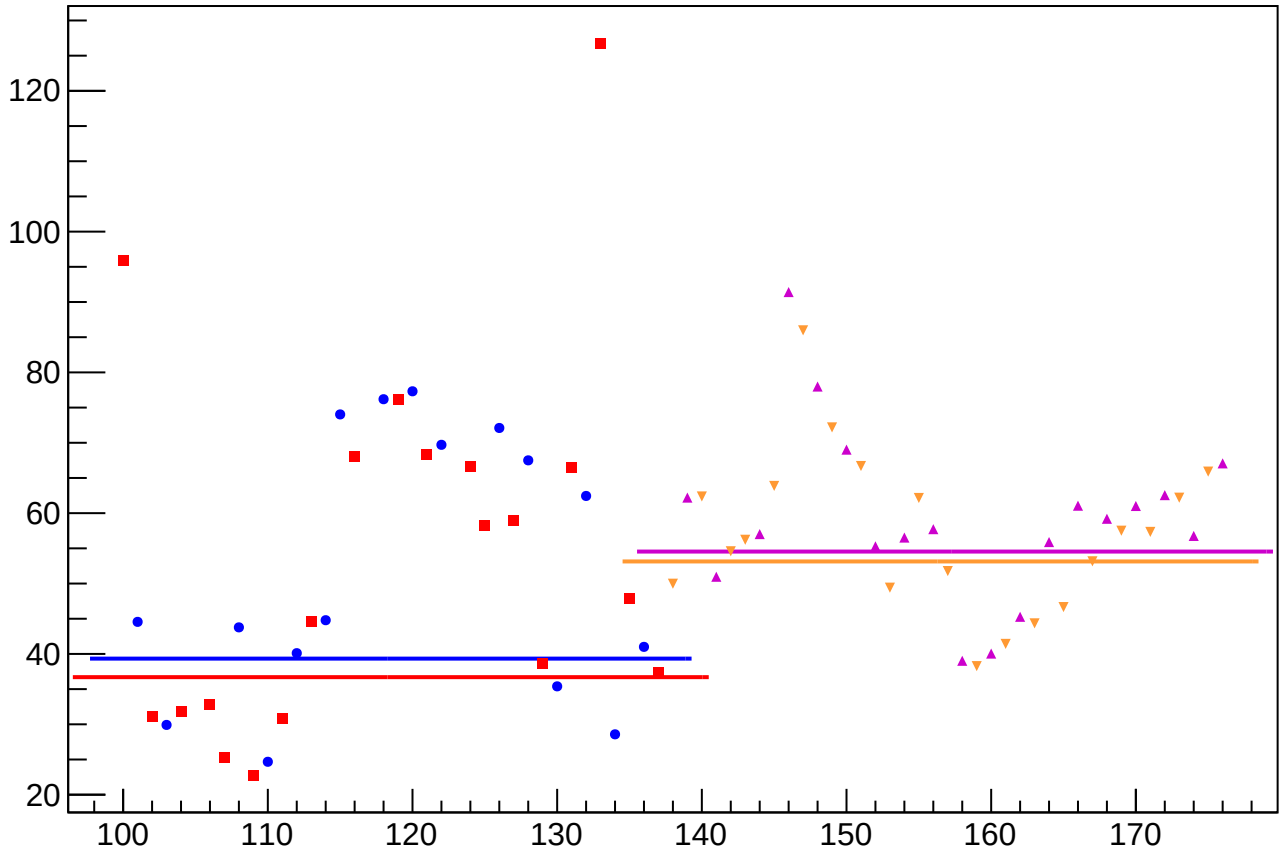
Left: -0.003+/-0.010 χ^2/NDF: 34.5/38

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.006+/-0.007 χ^2/NDF: 88.6/73



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.140+/-0.010 χ^2/NDF:1126929.4/19

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

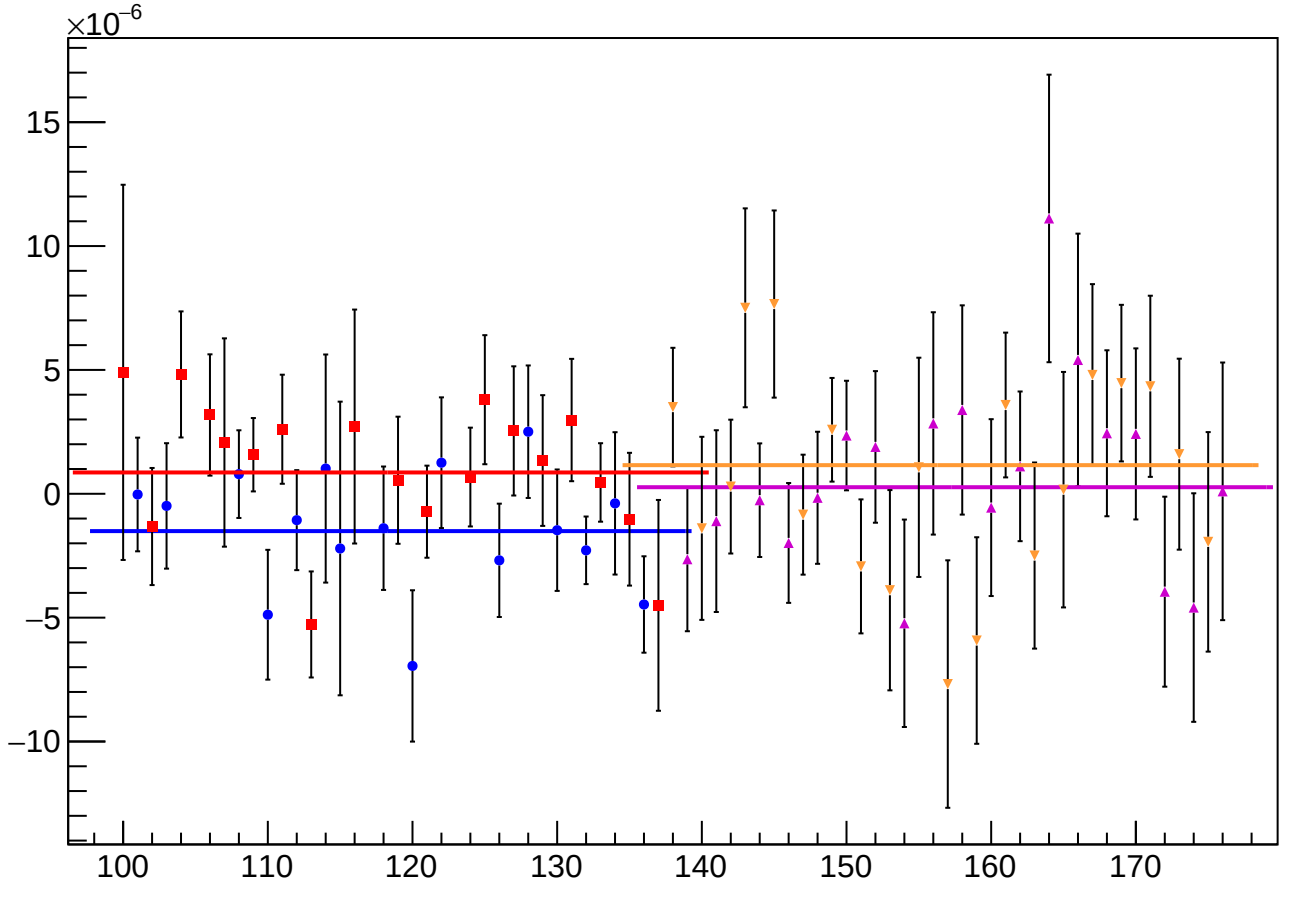
Left: 53.817+/-0.007 χ^2/NDF: 2349025.2/38

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.788+/-0.008 χ^2/NDF:3780362.4/34

Out: 45.651+/-0.007 χ^2/NDF:4512637.8/38

All: 46.670+/-0.005 χ^2/NDF: 8334881.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/18

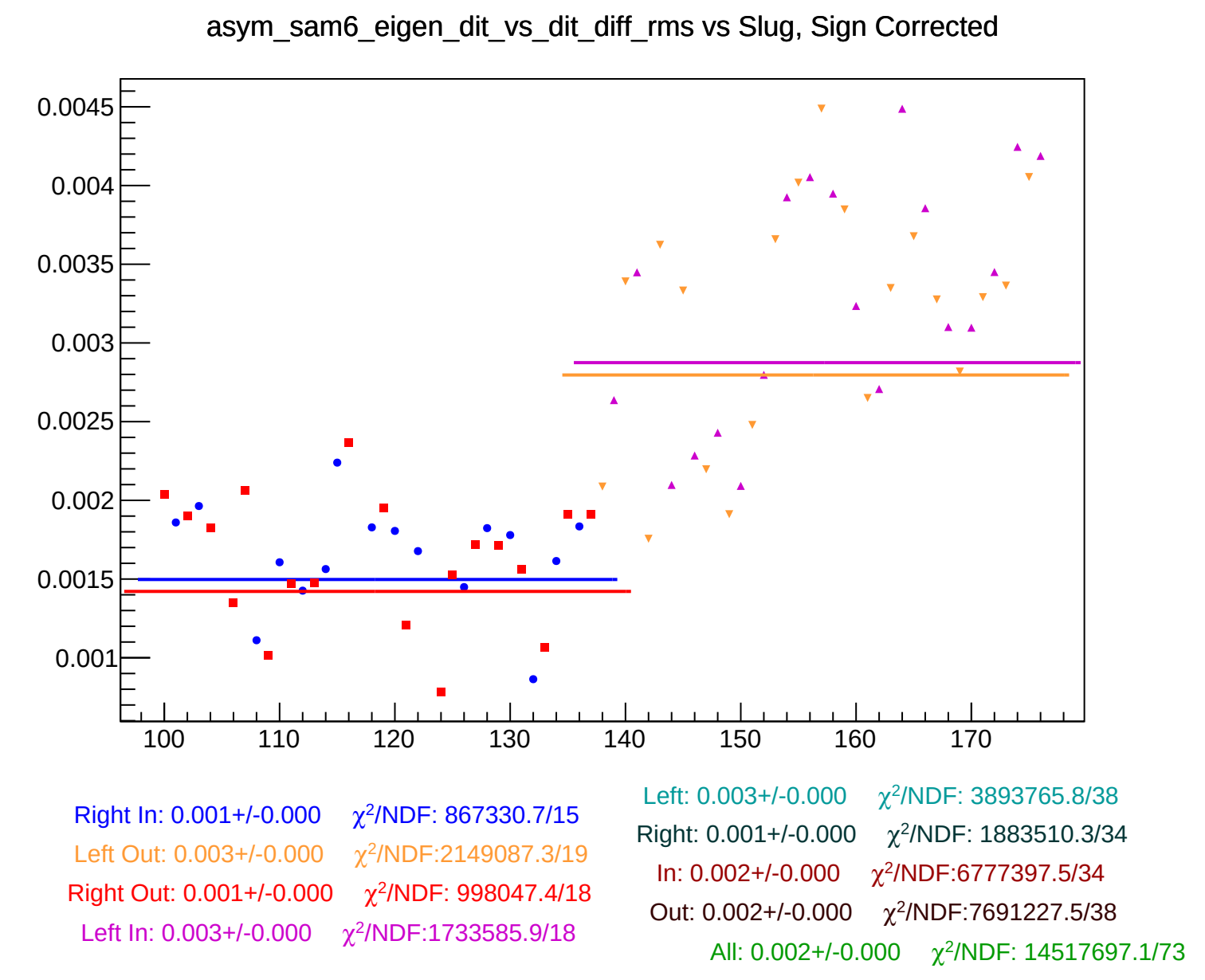
Left: 0.000+/-0.000 χ^2/NDF: 37.4/38

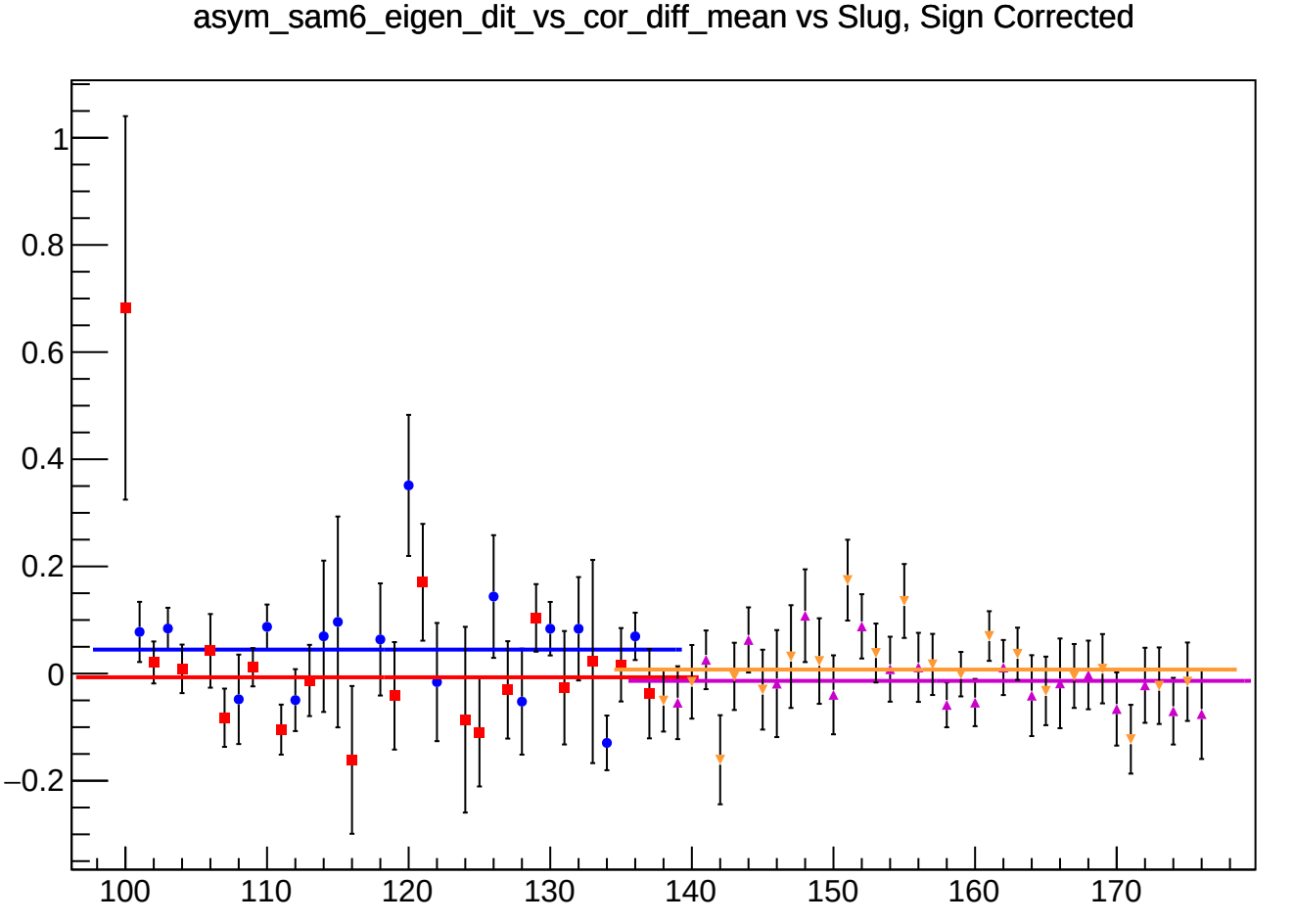
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

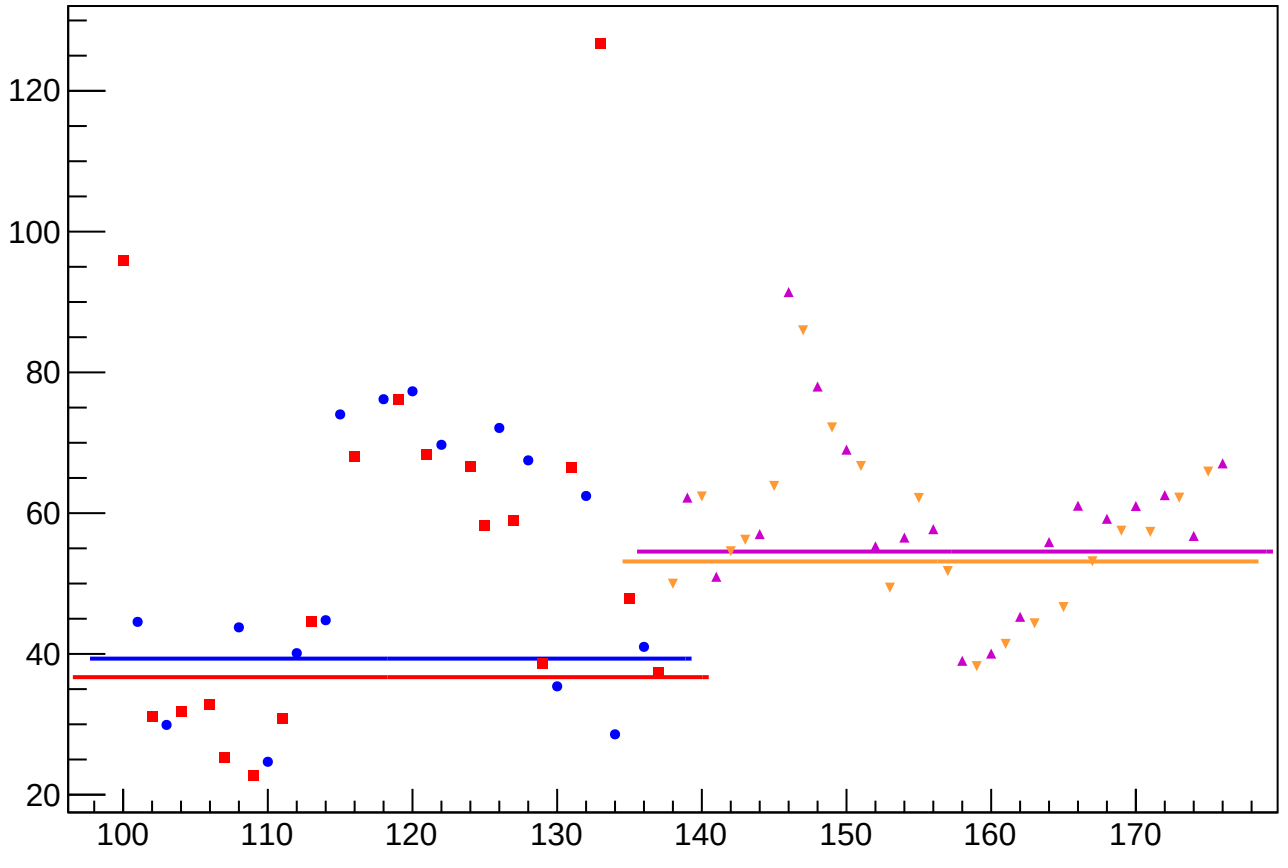
In: -0.000+/-0.000 χ^2/NDF:30.9/34

Out: 0.000+/-0.000 χ^2/NDF:42.3/38

All: 0.000+/-0.000 χ^2/NDF: 81.4/73


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:2149087.3/19
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1733585.9/18
Left: 0.003+/-0.000 χ²/NDF: 3893765.8/38
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:6777397.5/34
Out: 0.002+/-0.000 χ²/NDF:7691227.5/38
All: 0.002+/-0.000 χ²/NDF: 14517697.1/73


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.008+/-0.014 χ²/NDF:21.3/19
Right Out: -0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.014+/-0.014 χ²/NDF:12.1/18
Left: -0.003+/-0.010 χ²/NDF: 34.5/38
Right: 0.017+/-0.011 χ²/NDF: 52.3/34
In: 0.012+/-0.011 χ²/NDF:46.1/34
Out: 0.001+/-0.010 χ²/NDF:42.0/38
All: 0.006+/-0.007 χ²/NDF: 88.6/73



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

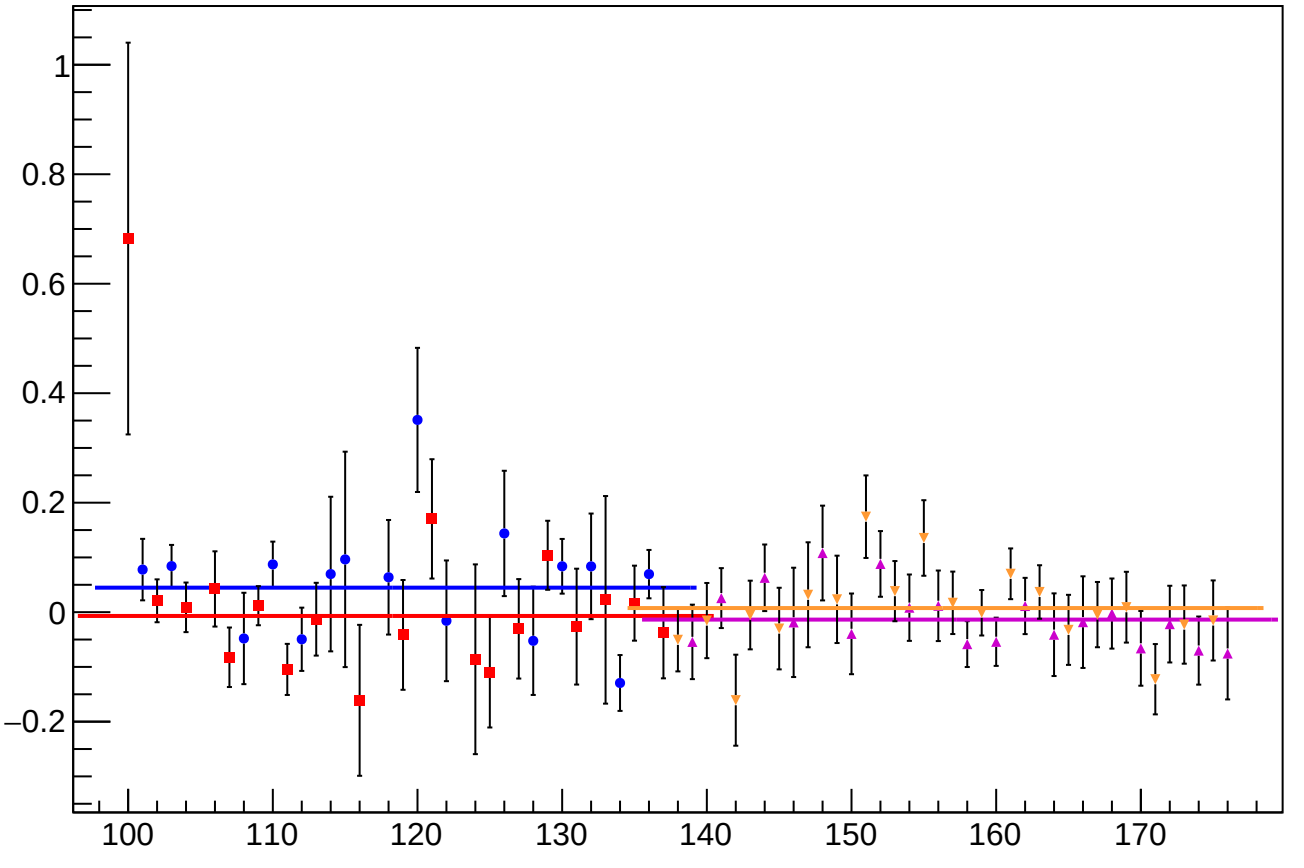
Left: 53.816+/-0.007 χ^2/NDF: 2349264.1/38

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.787+/-0.008 χ^2/NDF:3780473.1/34

Out: 45.650+/-0.007 χ^2/NDF:4512636.0/38

All: 46.669+/-0.005 χ^2/NDF: 8334981.4/73



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.3/19

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

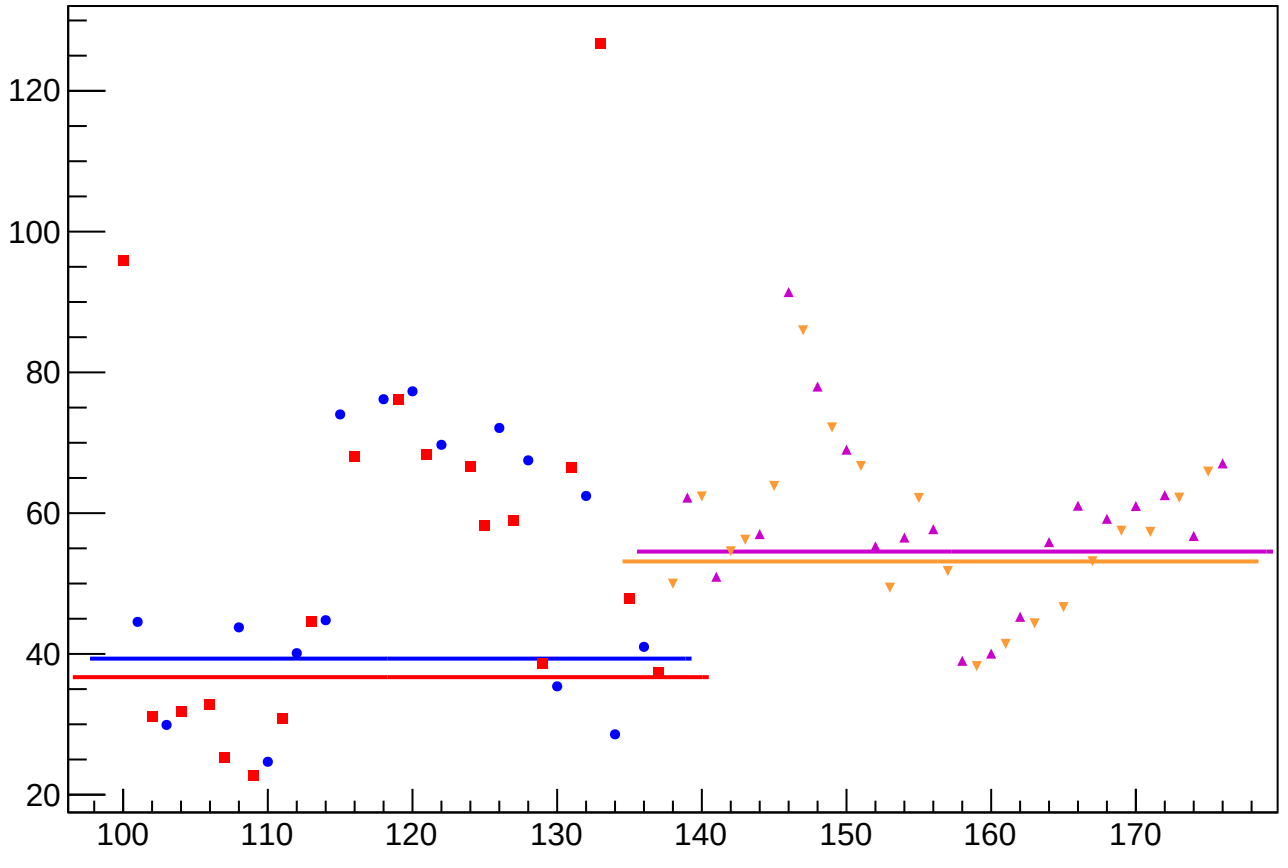
Left: -0.003+/-0.010 χ^2/NDF: 34.5/38

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: 0.001+/-0.010 χ^2/NDF:42.0/38

All: 0.006+/-0.007 χ^2/NDF: 88.6/73



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.139+/-0.010 χ^2/NDF:1127023.9/19

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

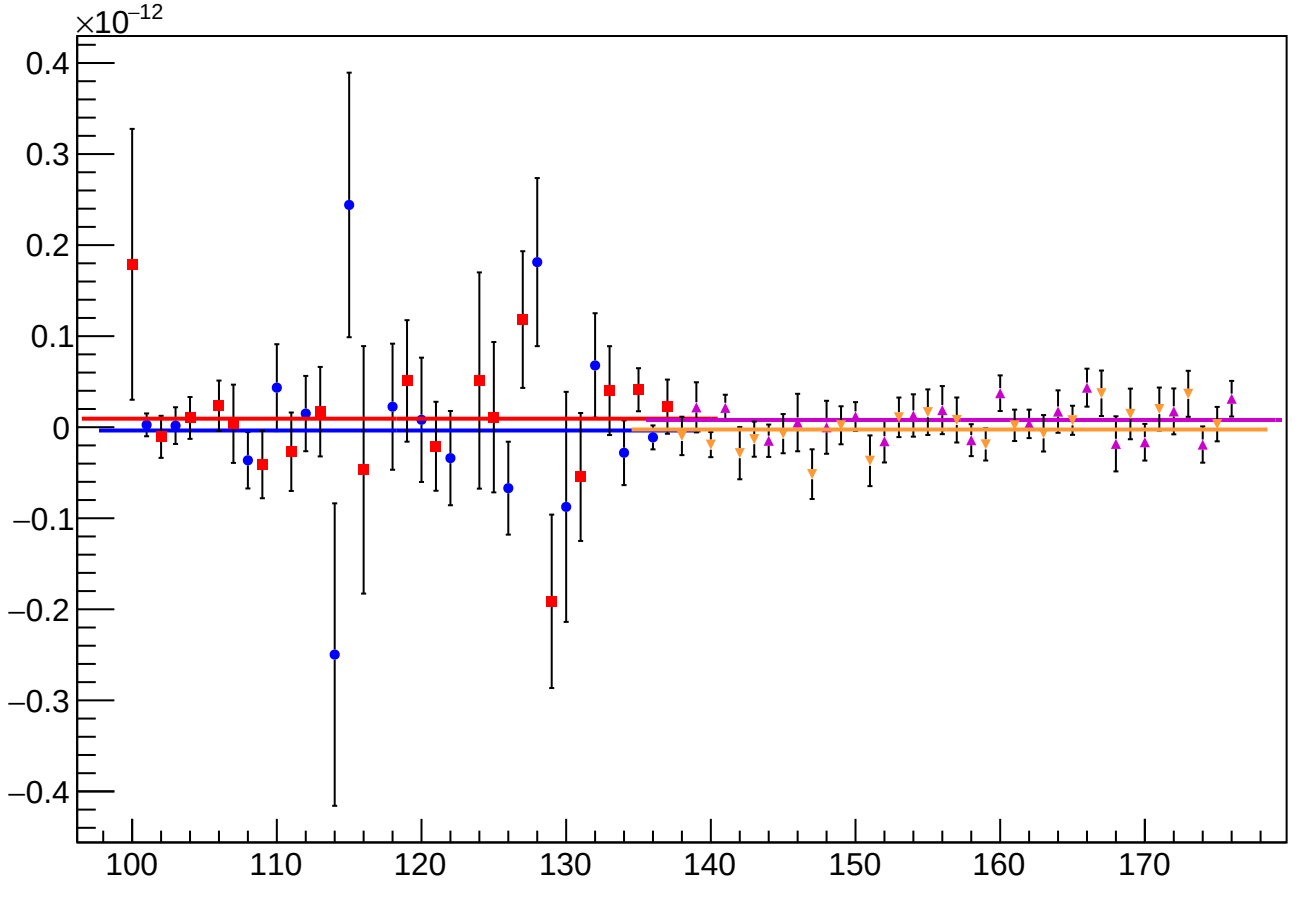
Left: 53.816+/-0.007 χ^2/NDF: 2349264.1/38

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.787+/-0.008 χ^2/NDF:3780473.1/34

Out: 45.650+/-0.007 χ^2/NDF:4512636.0/38

All: 46.669+/-0.005 χ^2/NDF: 8334981.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/18

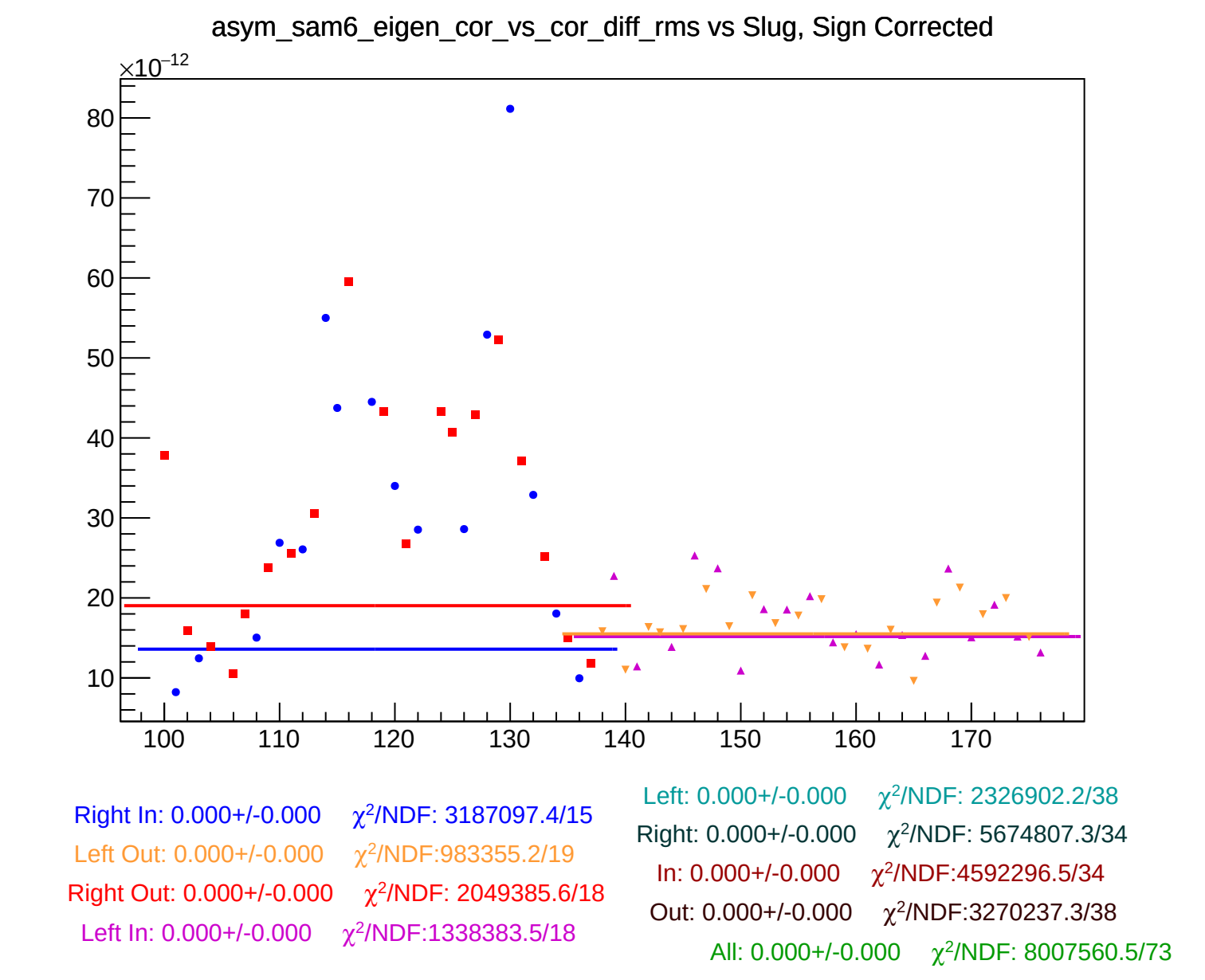
Left: 0.000+/-0.000 χ^2/NDF: 35.6/38

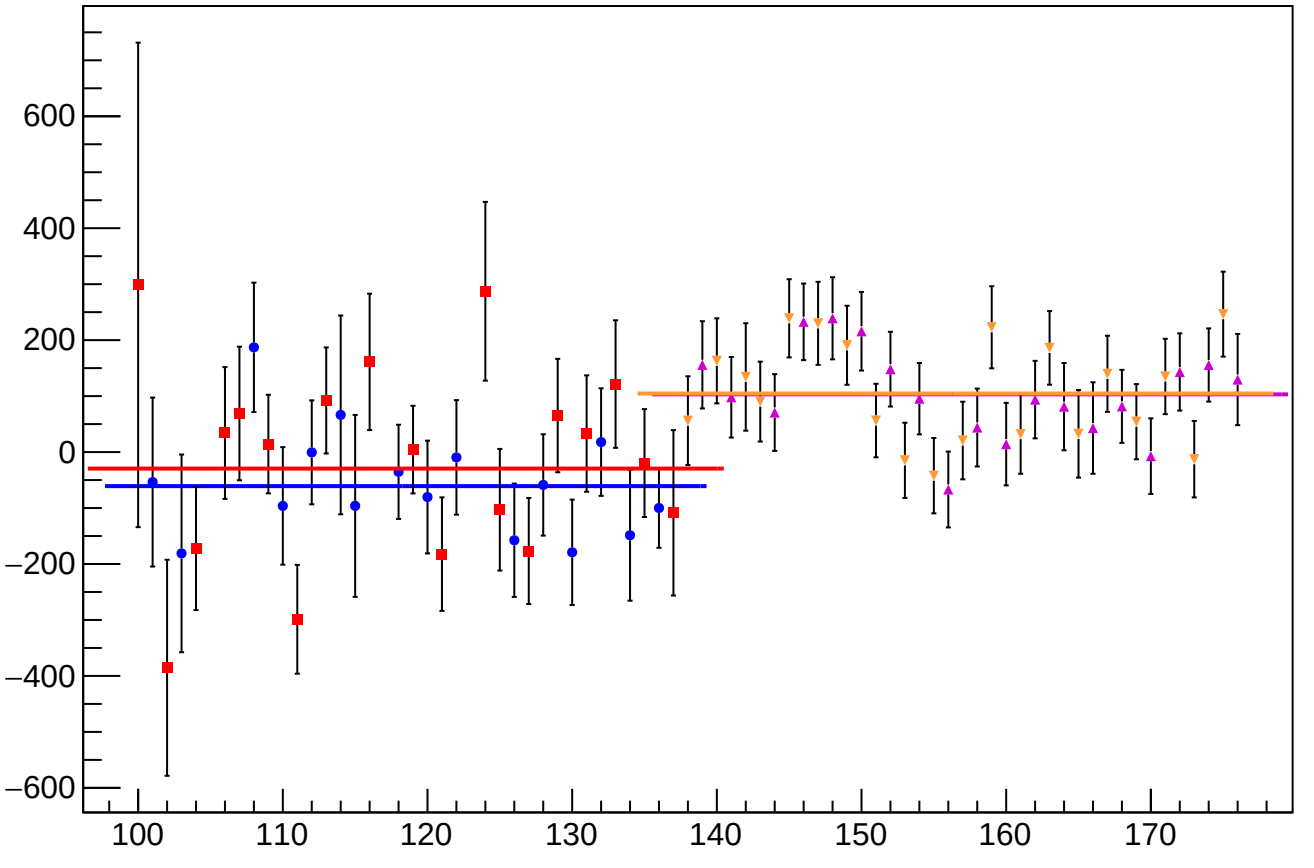
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:35.1/34

Out: -0.000+/-0.000 χ^2/NDF:33.5/38

All: 0.000+/-0.000 χ^2/NDF: 69.2/73


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:983355.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1338383.5/18
Left: 0.000+/-0.000 χ²/NDF: 2326902.2/38
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4592296.5/34
Out: 0.000+/-0.000 χ²/NDF:3270237.3/38
All: 0.000+/-0.000 χ²/NDF: 8007560.5/73



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 103.128+/-16.176 χ^2/NDF:23.7/18

Left: 103.911+/-11.356 χ^2/NDF: 56.3/38

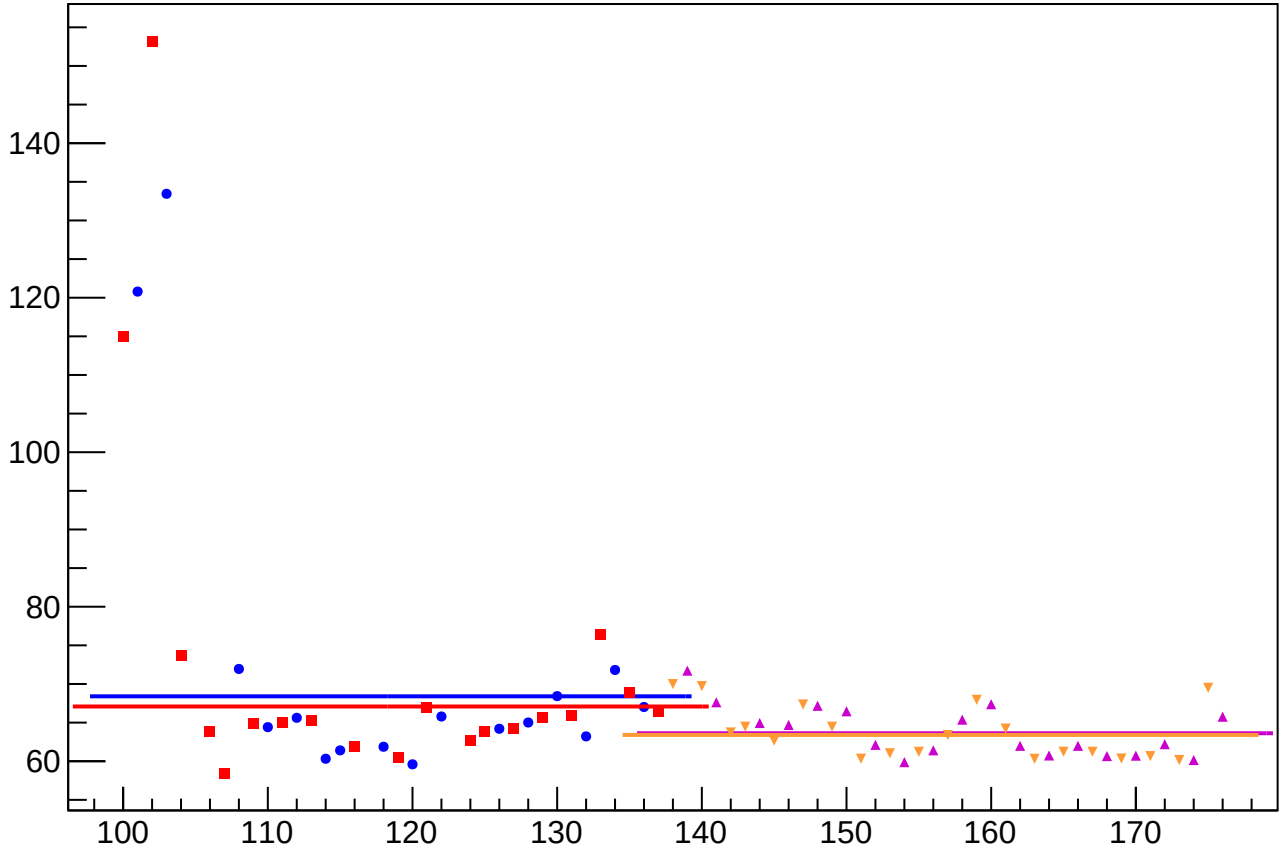
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 57.507+/-13.742 χ^2/NDF:62.9/34

Out: 66.116+/-13.461 χ^2/NDF:84.1/38

All: 61.901+/-9.616 χ^2/NDF: 147.2/73

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

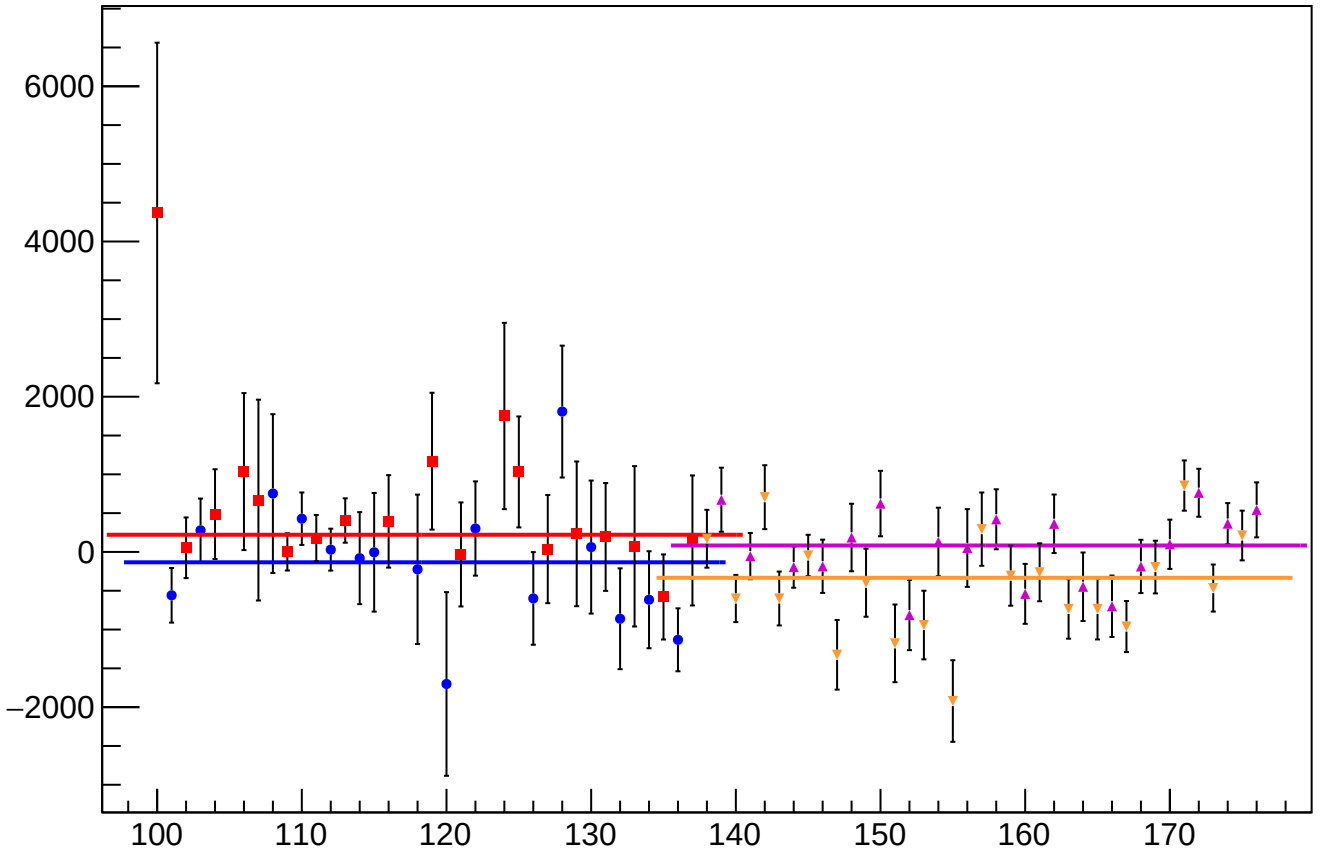
Left: 63.512+/-0.008 χ^2/NDF: 158202.5/38

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 64.954+/-0.010 χ^2/NDF:691900.0/34

Out: 64.461+/-0.010 χ^2/NDF:596736.5/38

All: 64.702+/-0.007 χ^2/NDF: 1289945.1/73



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.321+/-81.949 χ^2/NDF:53.8/19

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 83.063+/-82.297 χ^2/NDF:27.1/18

Left: -126.010+/-58.069 χ^2/NDF: 93.8/38

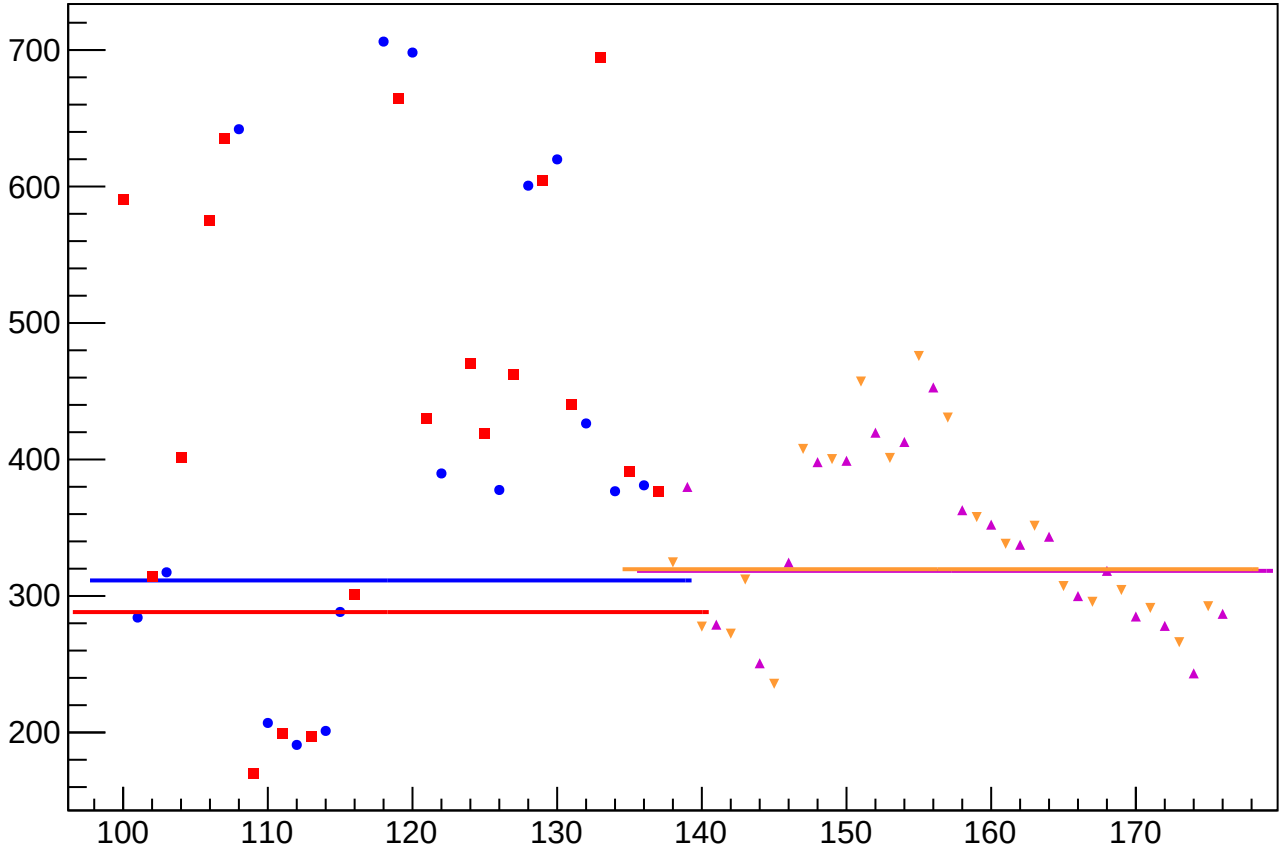
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 18.207+/-68.886 χ^2/NDF:51.7/34

Out: -152.403+/-67.269 χ^2/NDF:81.3/38

All: -69.124+/-48.128 χ^2/NDF: 136.1/73

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062879.9/19

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 318.409+/-0.058 χ^2/NDF:975488.1/18

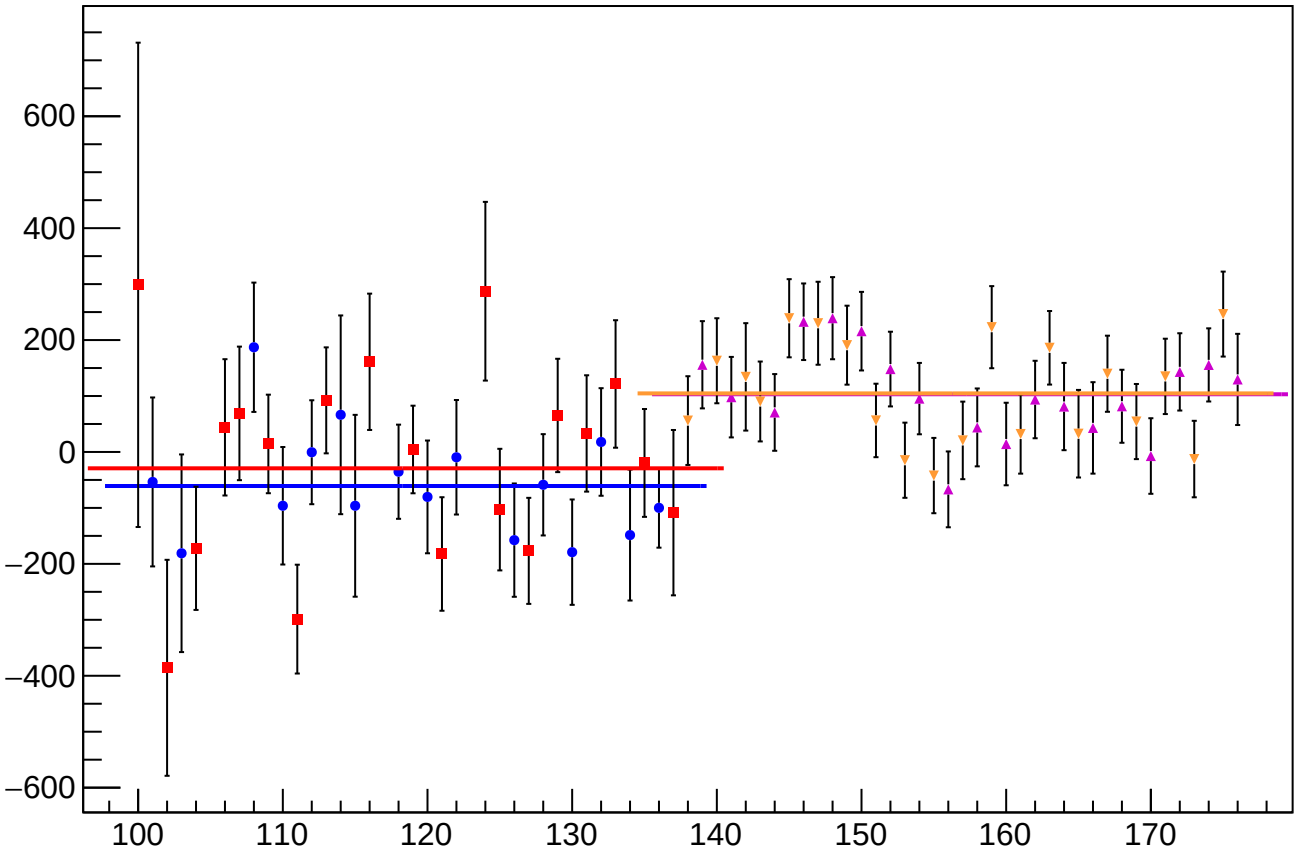
Left: 319.012+/-0.041 χ^2/NDF: 2038581.8/38

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 316.307+/-0.049 χ^2/NDF:3103645.6/34

Out: 309.366+/-0.048 χ^2/NDF:3874067.4/38

All: 312.754+/-0.034 χ^2/NDF: 6988106.5/73



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 103.125+/-16.176 χ^2/NDF:23.7/18

Left: 103.910+/-11.356 χ^2/NDF: 56.3/38

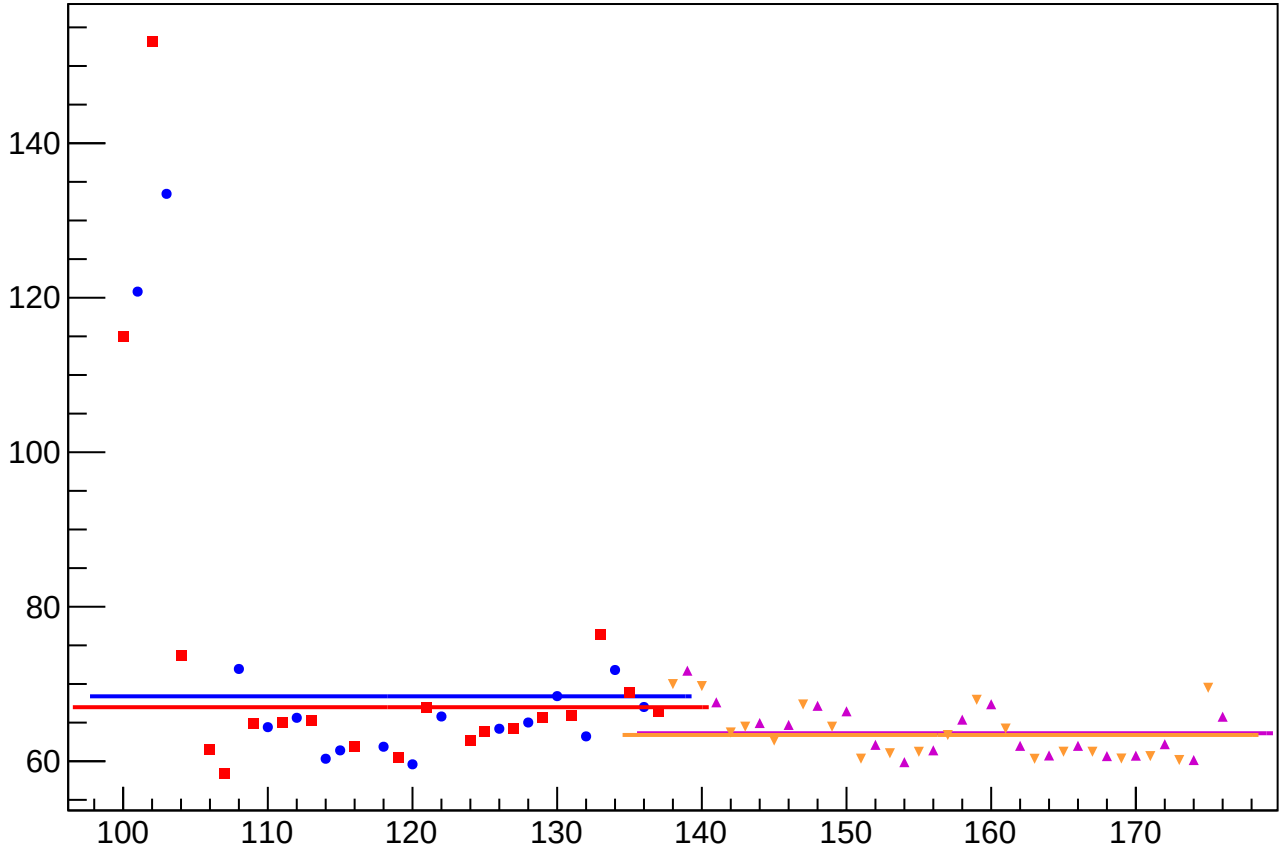
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 57.504+/-13.742 χ^2/NDF:62.9/34

Out: 66.265+/-13.466 χ^2/NDF:84.1/38

All: 61.973+/-9.618 χ^2/NDF: 147.2/73

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

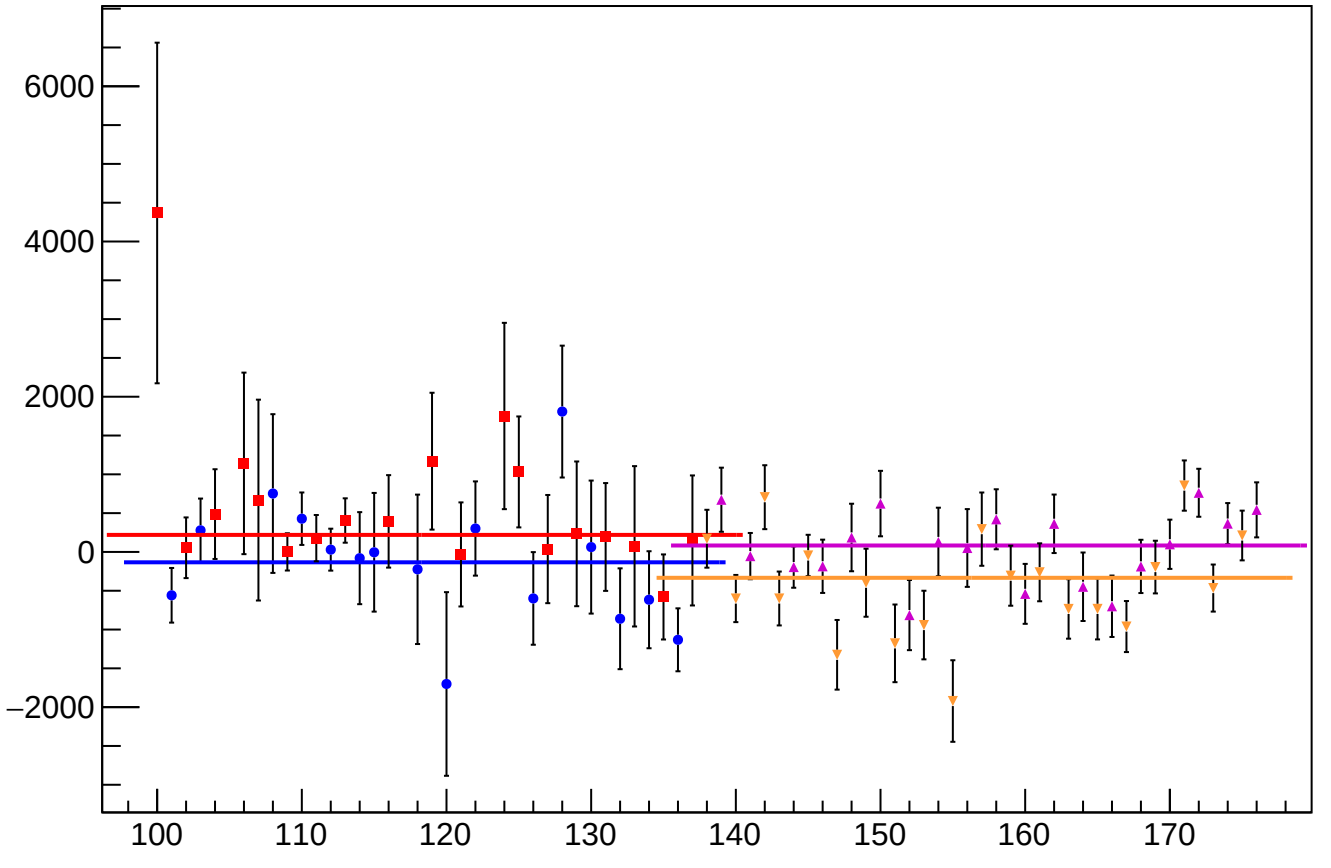
Left: 63.512+/-0.008 χ^2/NDF: 158202.5/38

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.954+/-0.010 χ^2/NDF:691900.3/34

Out: 64.433+/-0.010 χ^2/NDF:597848.2/38

All: 64.688+/-0.007 χ^2/NDF: 1291211.9/73



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 83.056+/-82.297 χ^2/NDF:27.1/18

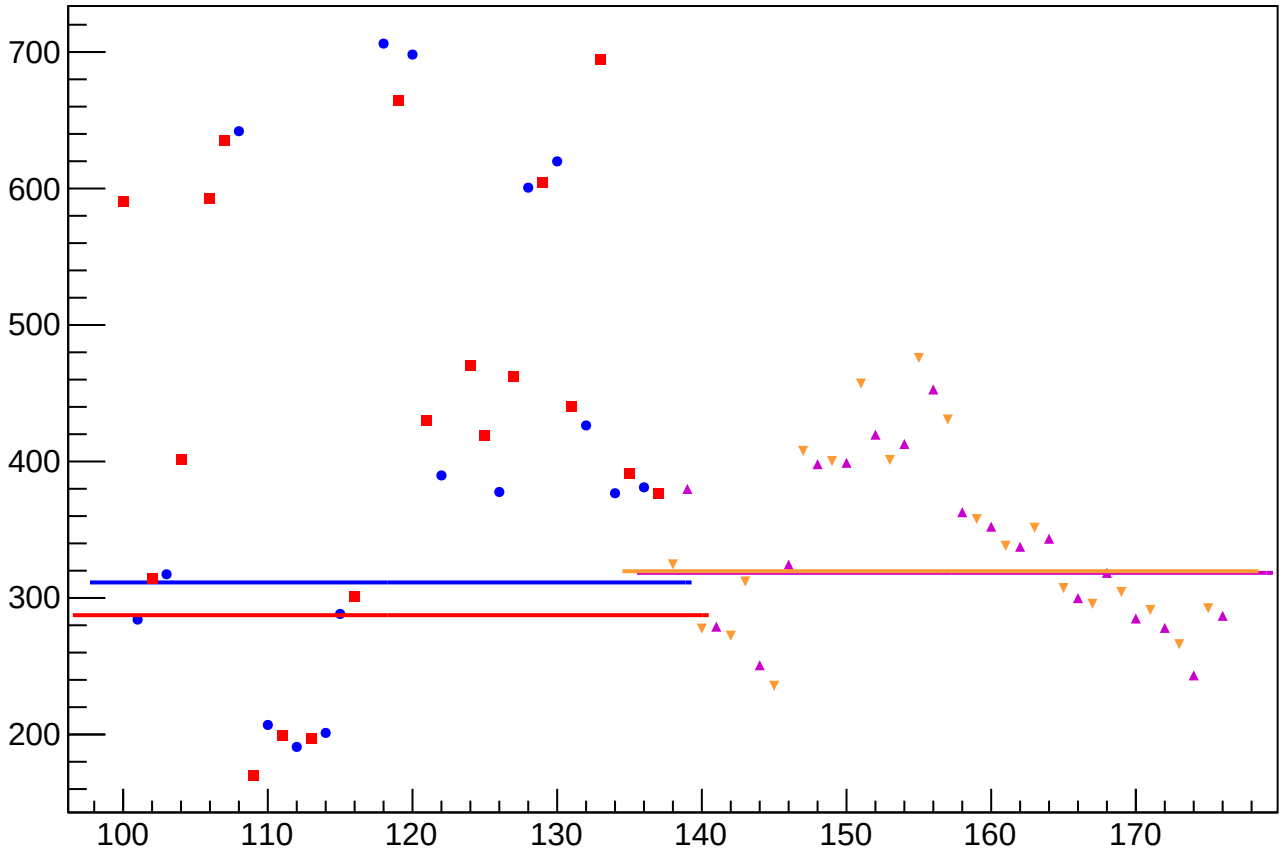
Left: -126.014+/-58.069 χ^2/NDF: 93.8/38

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 18.204+/-68.886 χ^2/NDF:51.7/34

Out: -153.388+/-67.307 χ^2/NDF:81.1/38

All: -69.581+/-48.142 χ^2/NDF: 136.0/73



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

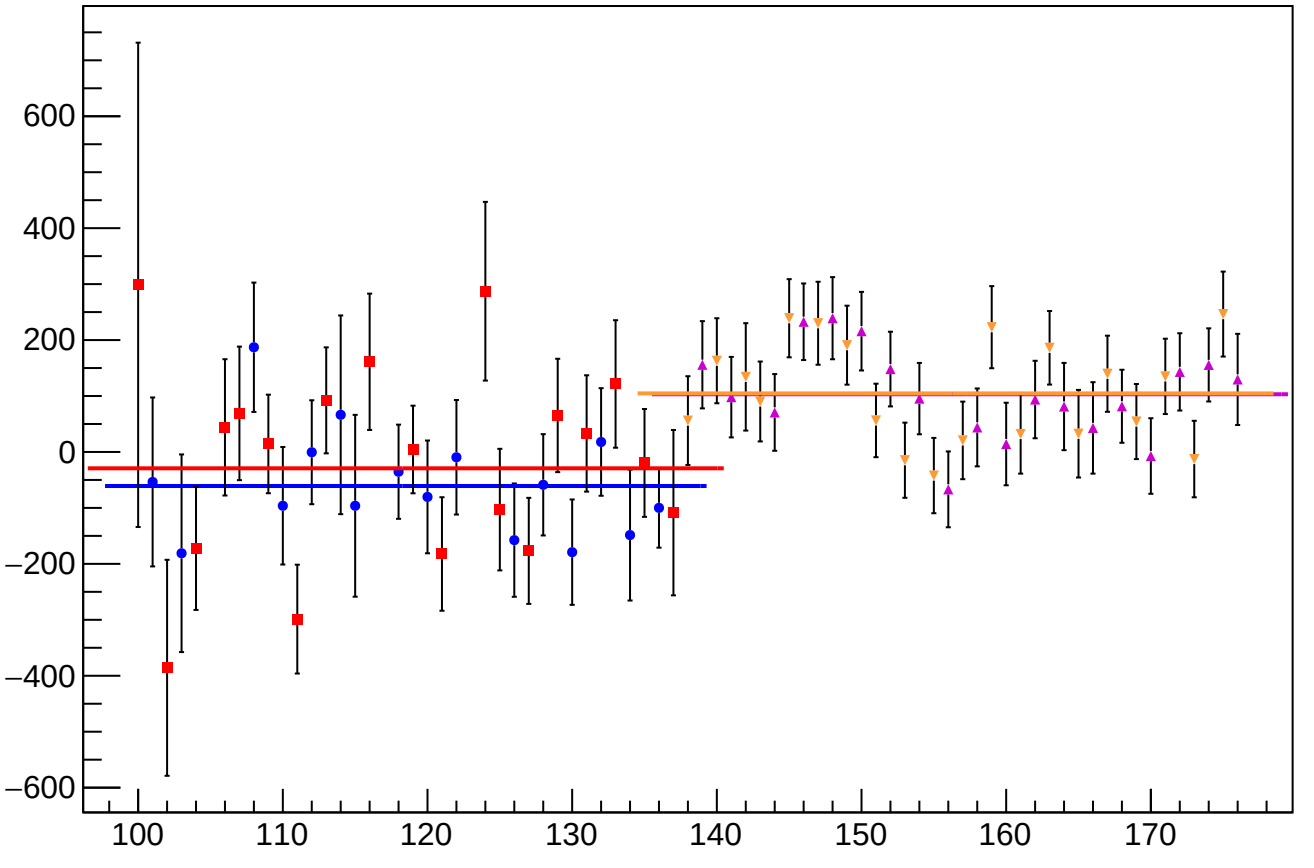
Left: 319.012+/-0.041 χ^2/NDF: 2038591.2/38

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 316.307+/-0.049 χ^2/NDF:3103649.9/34

Out: 309.132+/-0.048 χ^2/NDF:3853601.4/38

All: 312.637+/-0.034 χ^2/NDF: 6968351.5/73



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.673+/-15.946 χ^2/NDF:32.6/19

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 103.125+/-16.176 χ^2/NDF:23.7/18

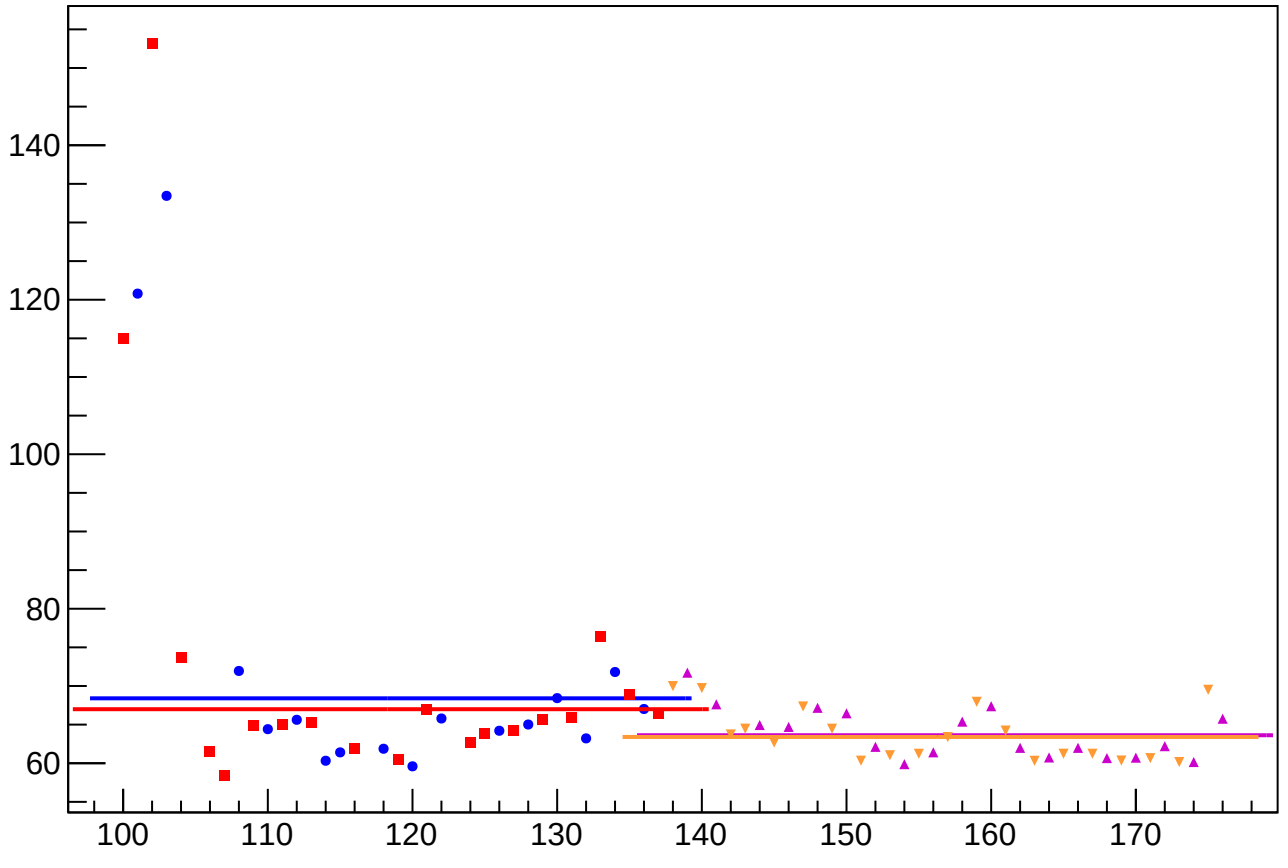
Left: 103.910+/-11.356 χ^2/NDF: 56.3/38

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 57.504+/-13.742 χ^2/NDF:62.9/34

Out: 66.265+/-13.466 χ^2/NDF:84.1/38

All: 61.973+/-9.618 χ^2/NDF: 147.2/73



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.403+/-0.011 χ^2/NDF:84251.7/19

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

Left: 63.512+/-0.008 χ^2/NDF: 158202.5/38

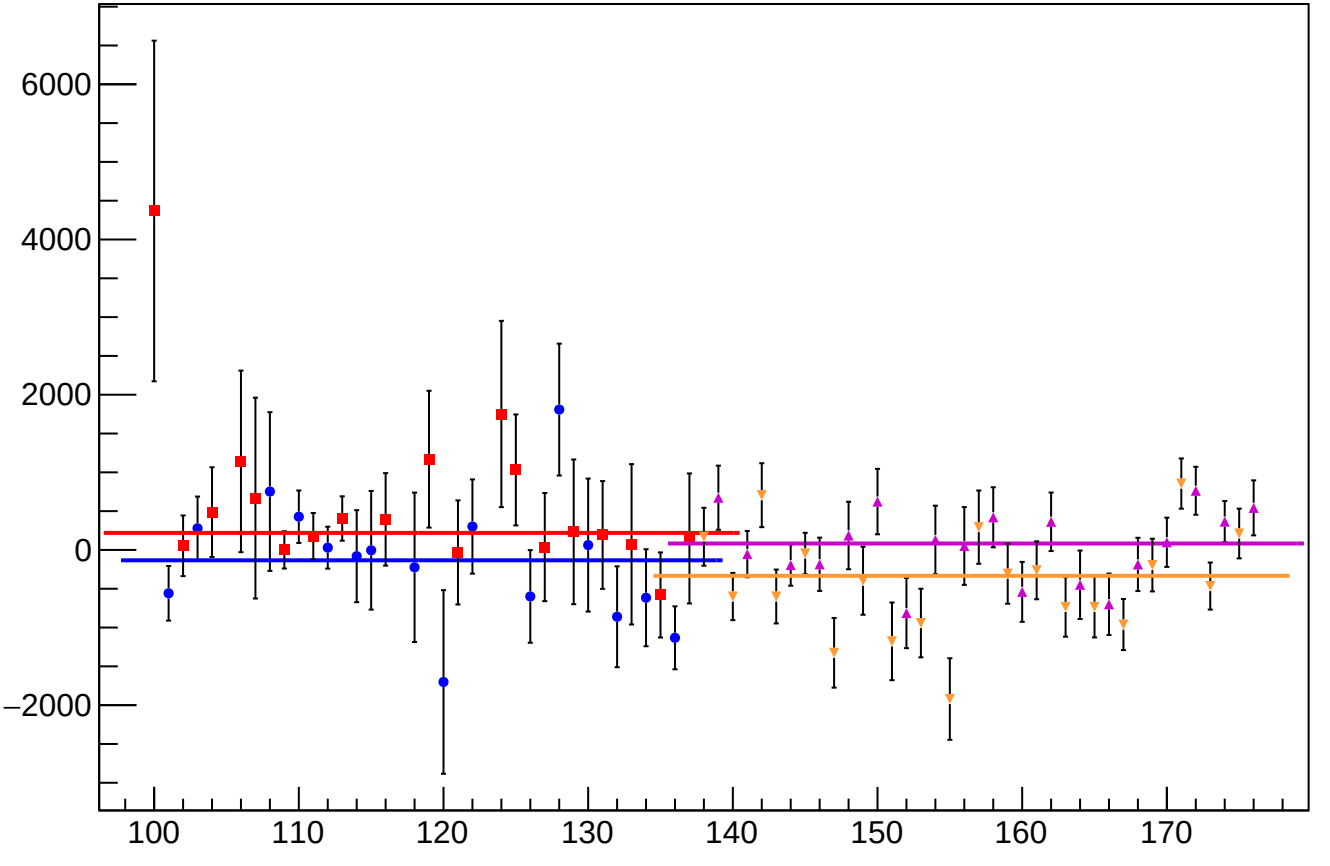
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.954+/-0.010 χ^2/NDF:691900.3/34

Out: 64.433+/-0.010 χ^2/NDF:597848.2/38

All: 64.688+/-0.007 χ^2/NDF: 1291211.9/73

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -333.322+/-81.949 χ^2/NDF:53.8/19

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 83.056+/-82.297 χ^2/NDF:27.1/18

Left: -126.014+/-58.069 χ^2/NDF: 93.8/38

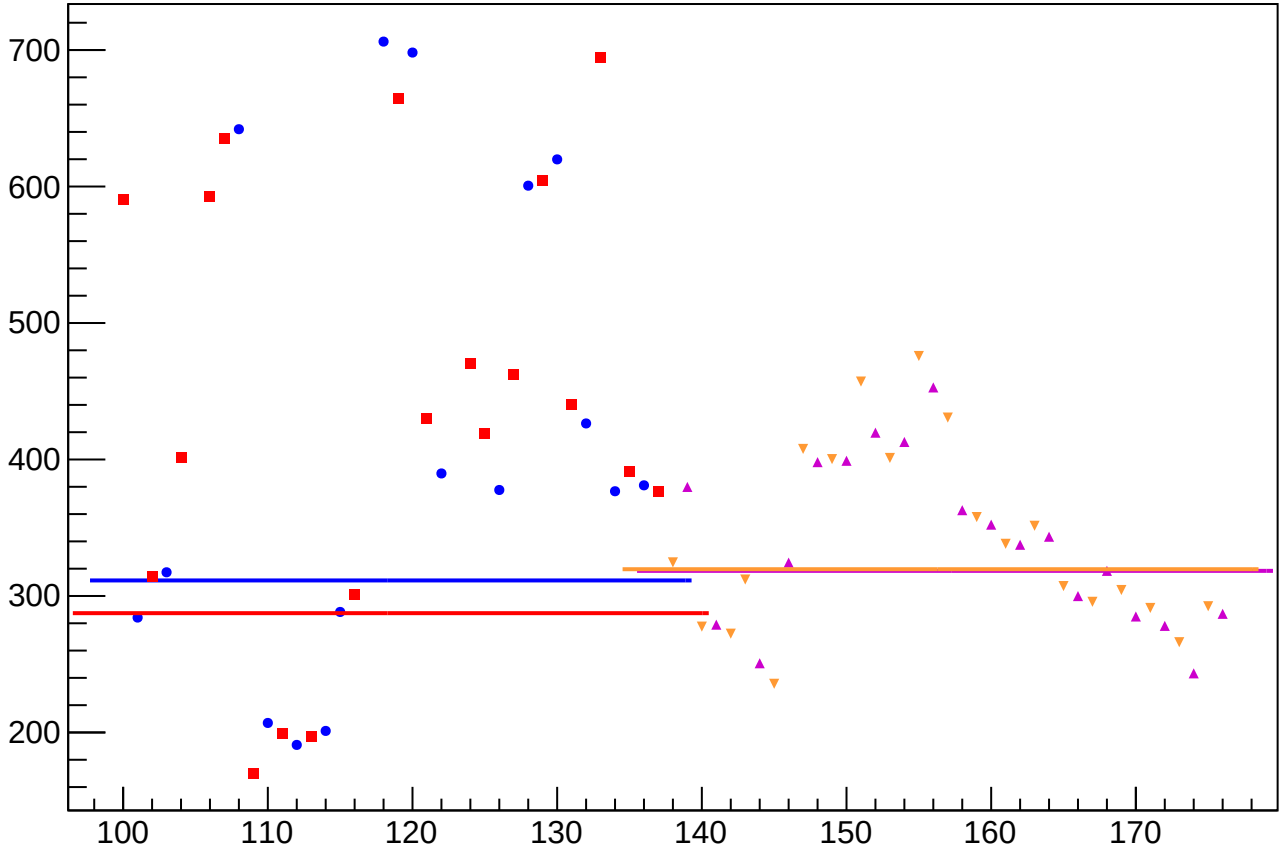
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 18.204+/-68.886 χ^2/NDF:51.7/34

Out: -153.388+/-67.307 χ^2/NDF:81.1/38

All: -69.581+/-48.142 χ^2/NDF: 136.0/73

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 319.609+/-0.058 χ^2/NDF:1062884.0/19

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

Left: 319.012+/-0.041 χ^2/NDF: 2038591.2/38

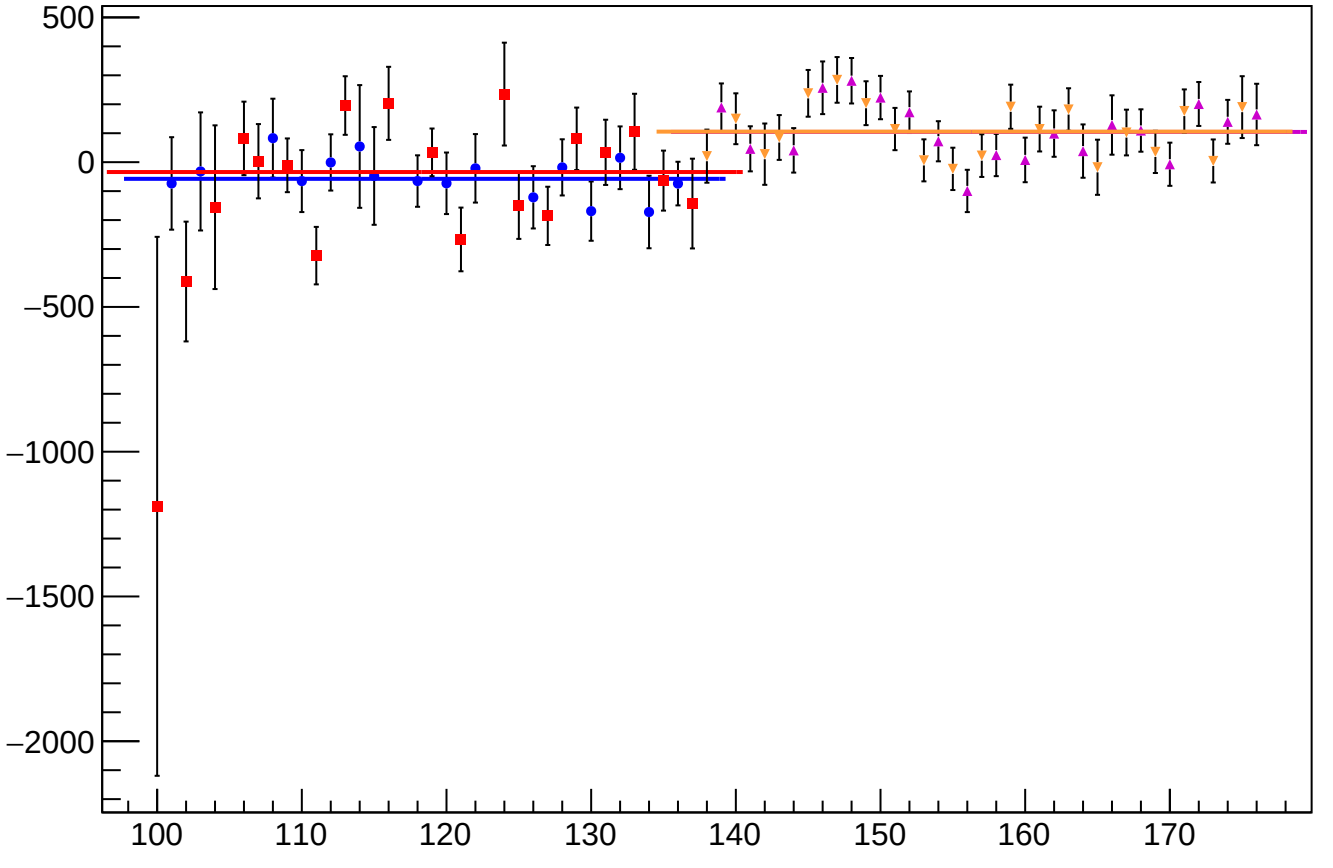
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 316.307+/-0.049 χ^2/NDF:3103649.9/34

Out: 309.132+/-0.048 χ^2/NDF:3853601.4/38

All: 312.637+/-0.034 χ^2/NDF: 6968351.5/73

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.499+/-17.750 χ^2/NDF:25.8/19

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.414+/-18.081 χ^2/NDF:29.3/18

Left: 104.966+/-12.667 χ^2/NDF: 55.2/38

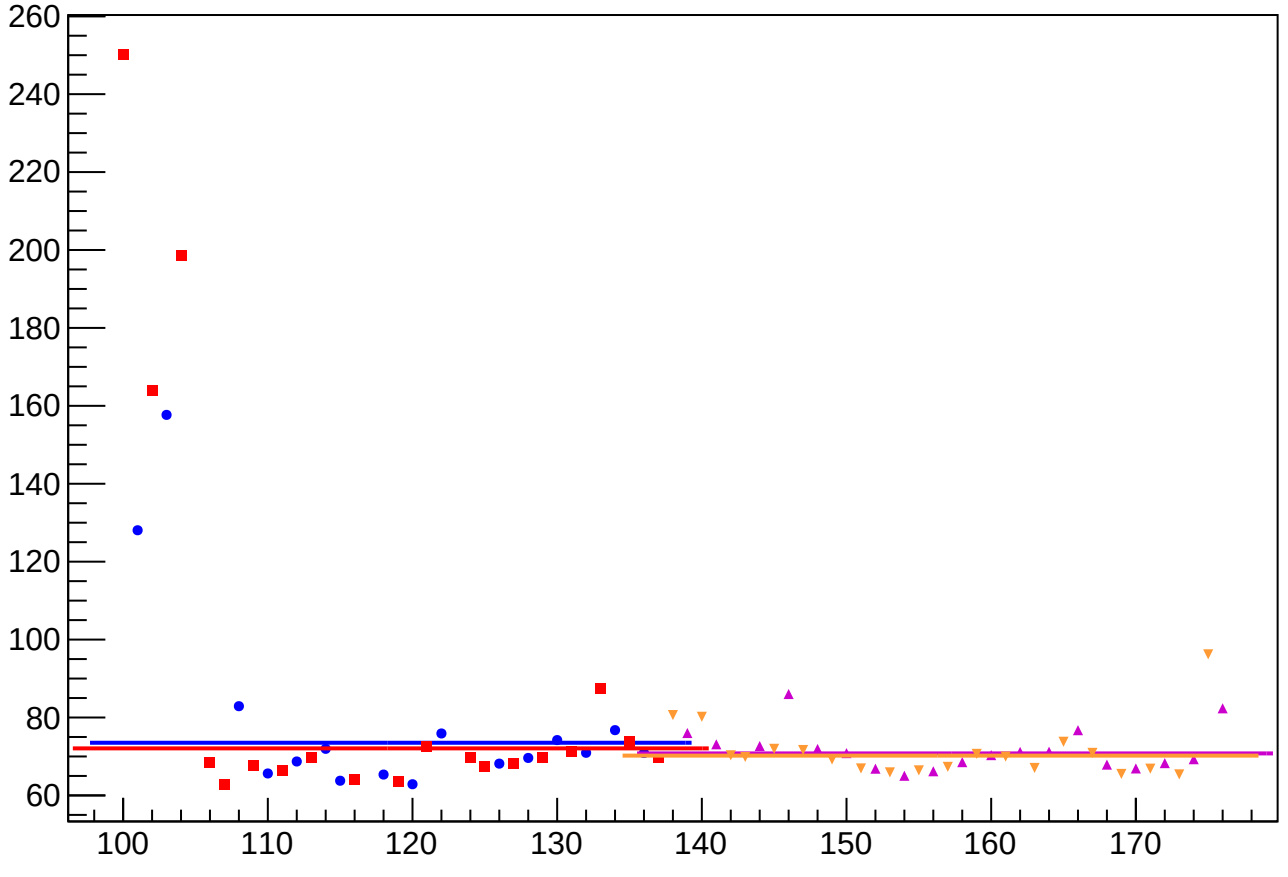
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 56.964+/-15.203 χ^2/NDF:57.7/34

Out: 64.248+/-14.897 χ^2/NDF:81.2/38

All: 60.680+/-10.640 χ^2/NDF: 139.1/73

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.218+/-0.013 χ^2/NDF:218976.6/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.784+/-0.013 χ^2/NDF:139113.4/18

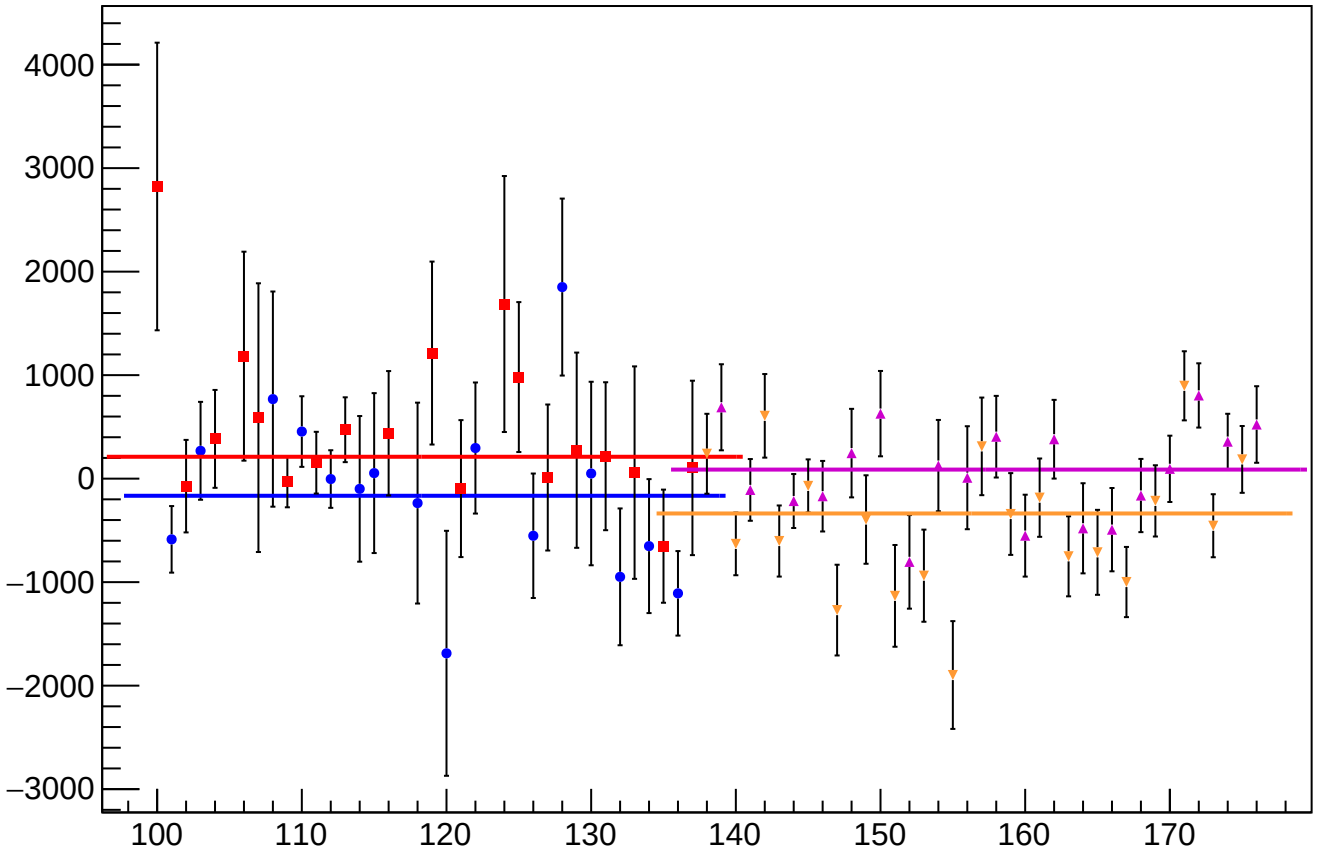
Left: 70.496+/-0.009 χ^2/NDF: 359086.2/38

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.585+/-0.011 χ^2/NDF:809370.7/34

Out: 70.767+/-0.011 χ^2/NDF:1183933.5/38

All: 71.168+/-0.008 χ^2/NDF: 1996260.1/73



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 87.448+/-82.709 χ^2/NDF:26.1/18

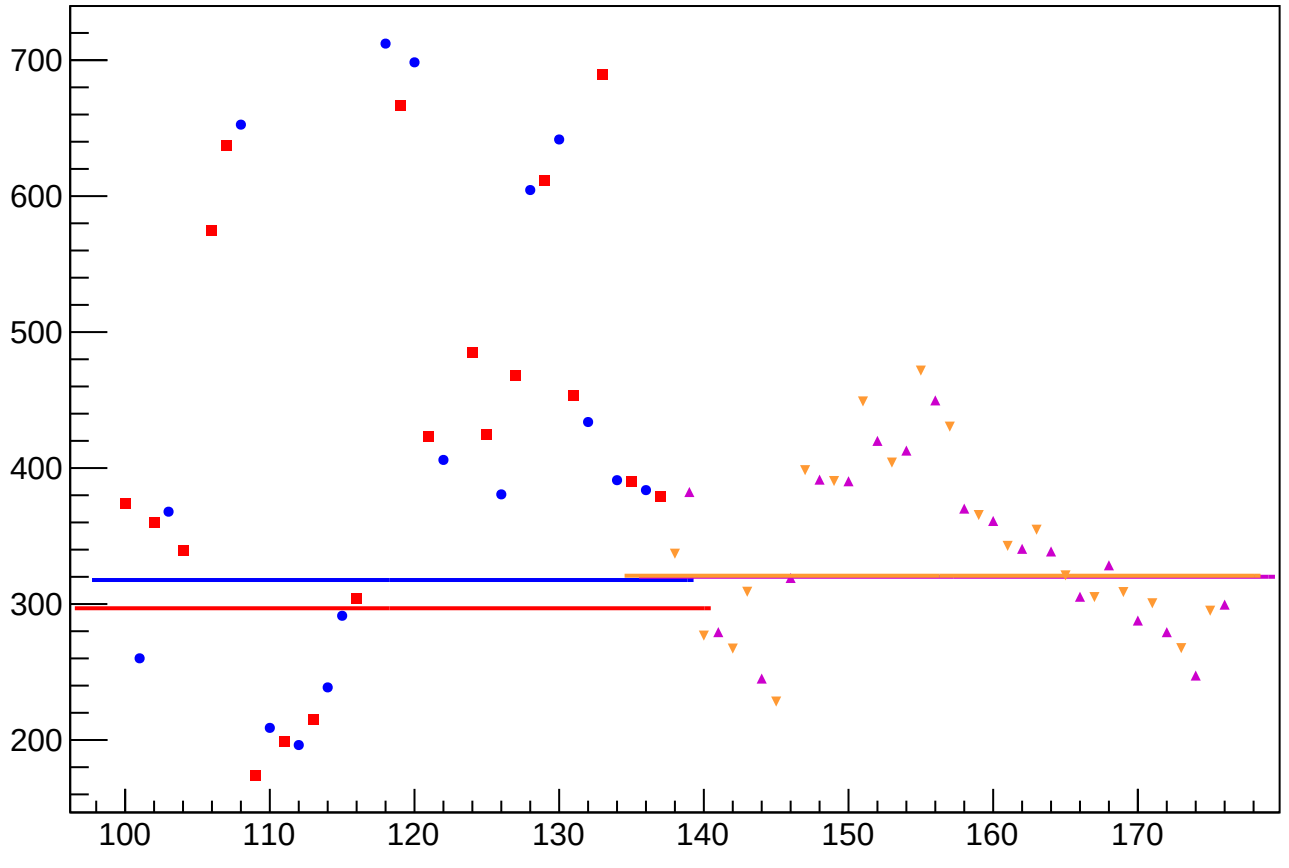
Left: -125.850+/-58.304 χ^2/NDF: 92.0/38

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 13.301+/-69.538 χ^2/NDF:51.4/34

Out: -161.795+/-67.837 χ^2/NDF:80.5/38

All: -76.415+/-48.558 χ^2/NDF: 135.2/73



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077308.2/19

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 320.051+/-0.058 χ^2/NDF:956891.7/18

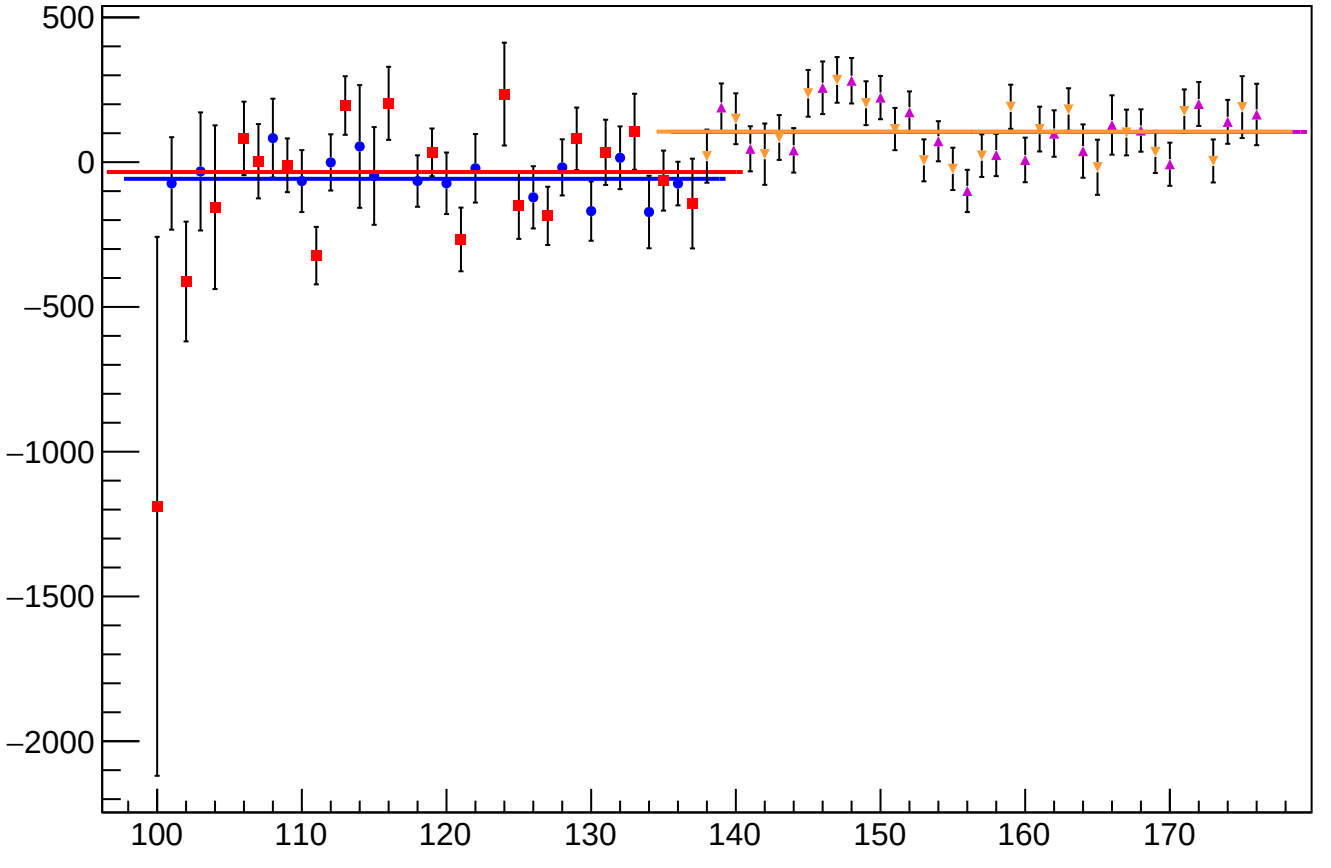
Left: 320.439+/-0.041 χ^2/NDF: 2034287.3/38

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 319.351+/-0.049 χ^2/NDF:3093573.0/34

Out: 313.189+/-0.048 χ^2/NDF:3672426.3/38

All: 316.194+/-0.034 χ^2/NDF: 6774047.3/73



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 105.498+/-17.750 χ^2/NDF:25.8/19

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.414+/-18.081 χ^2/NDF:29.3/18

Left: 104.966+/-12.667 χ^2/NDF: 55.2/38

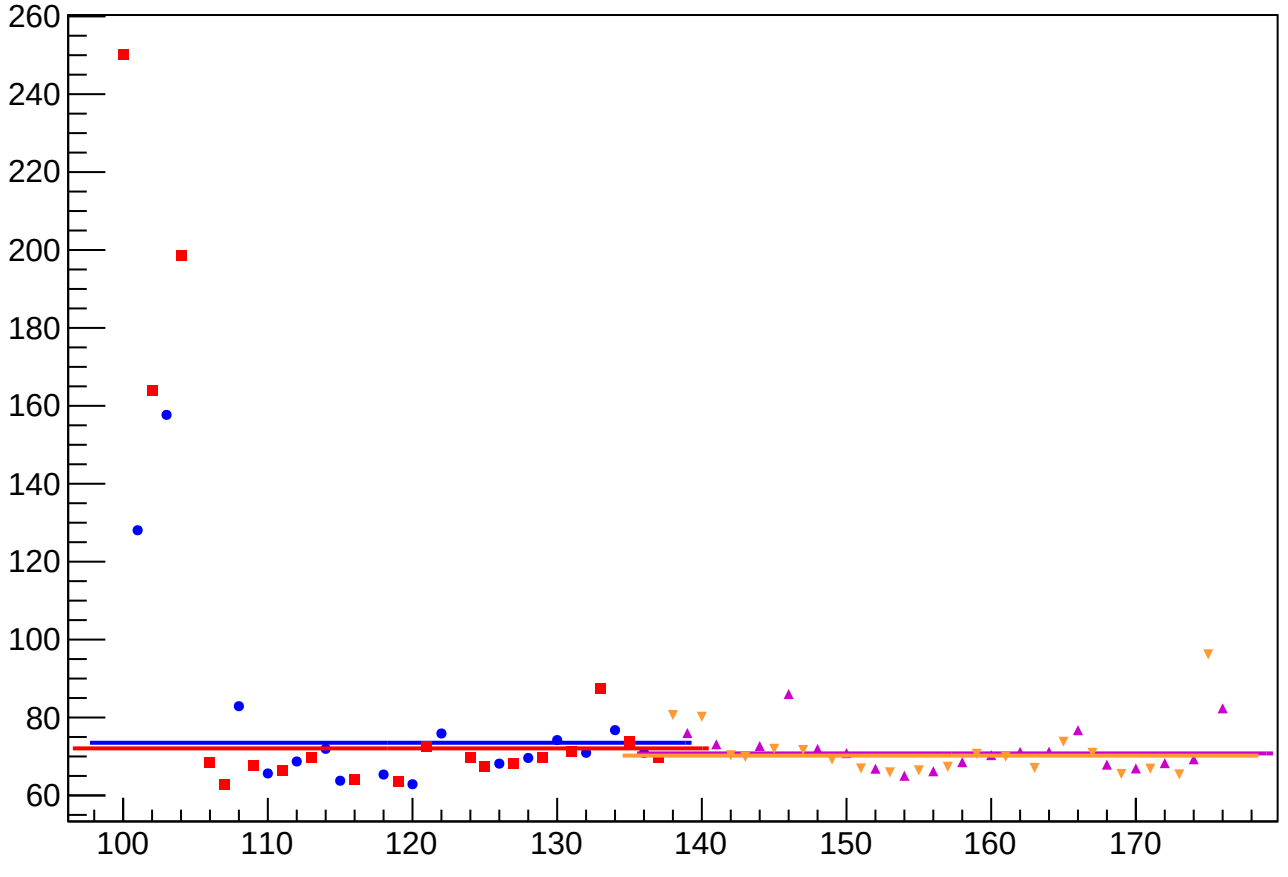
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 56.964+/-15.203 χ^2/NDF:57.7/34

Out: 64.248+/-14.897 χ^2/NDF:81.2/38

All: 60.680+/-10.640 χ^2/NDF: 139.1/73

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.218+/-0.013 χ^2/NDF:218975.9/19

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.784+/-0.013 χ^2/NDF:139113.0/18

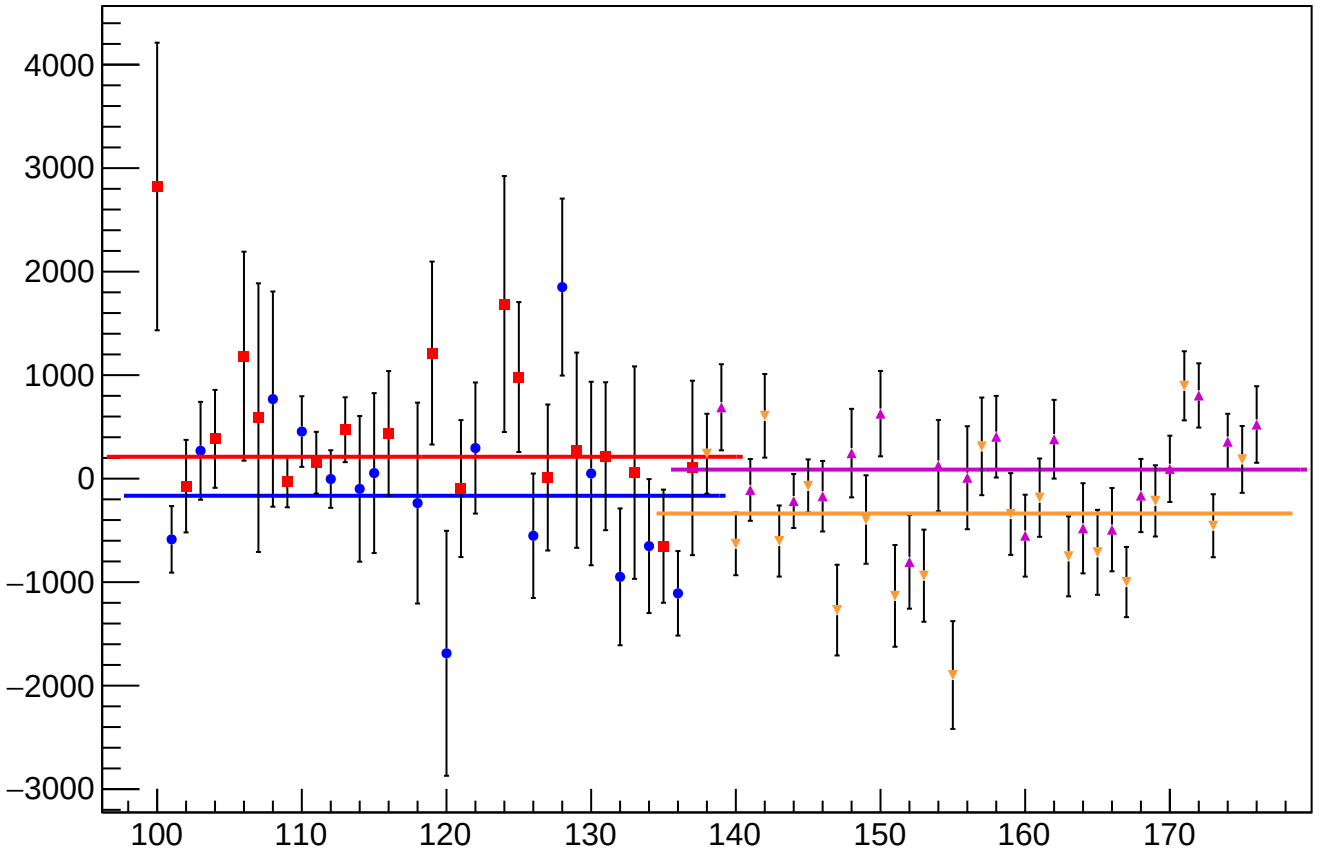
Left: 70.496+/-0.009 χ^2/NDF: 359085.1/38

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.585+/-0.011 χ^2/NDF:809370.4/34

Out: 70.767+/-0.011 χ^2/NDF:1183933.3/38

All: 71.168+/-0.008 χ^2/NDF: 1996259.6/73



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -336.530+/-82.200 χ^2/NDF:52.7/19

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 87.447+/-82.709 χ^2/NDF:26.1/18

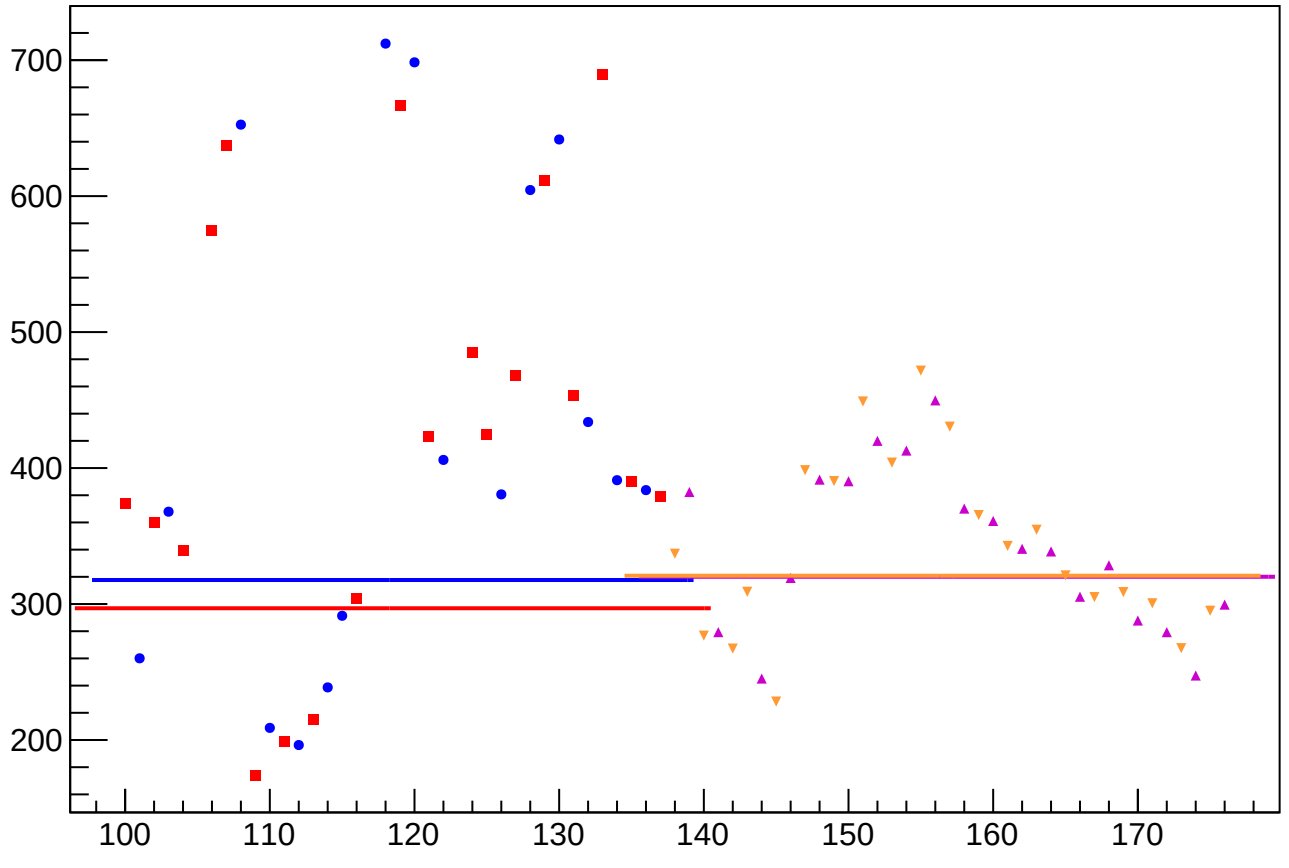
Left: -125.851+/-58.304 χ^2/NDF: 92.0/38

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 13.300+/-69.538 χ^2/NDF:51.4/34

Out: -161.795+/-67.837 χ^2/NDF:80.5/38

All: -76.415+/-48.558 χ^2/NDF: 135.2/73



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 320.822+/-0.058 χ^2/NDF:1077313.6/19

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 320.051+/-0.058 χ^2/NDF:956889.8/18

Left: 320.439+/-0.041 χ^2/NDF: 2034290.8/38

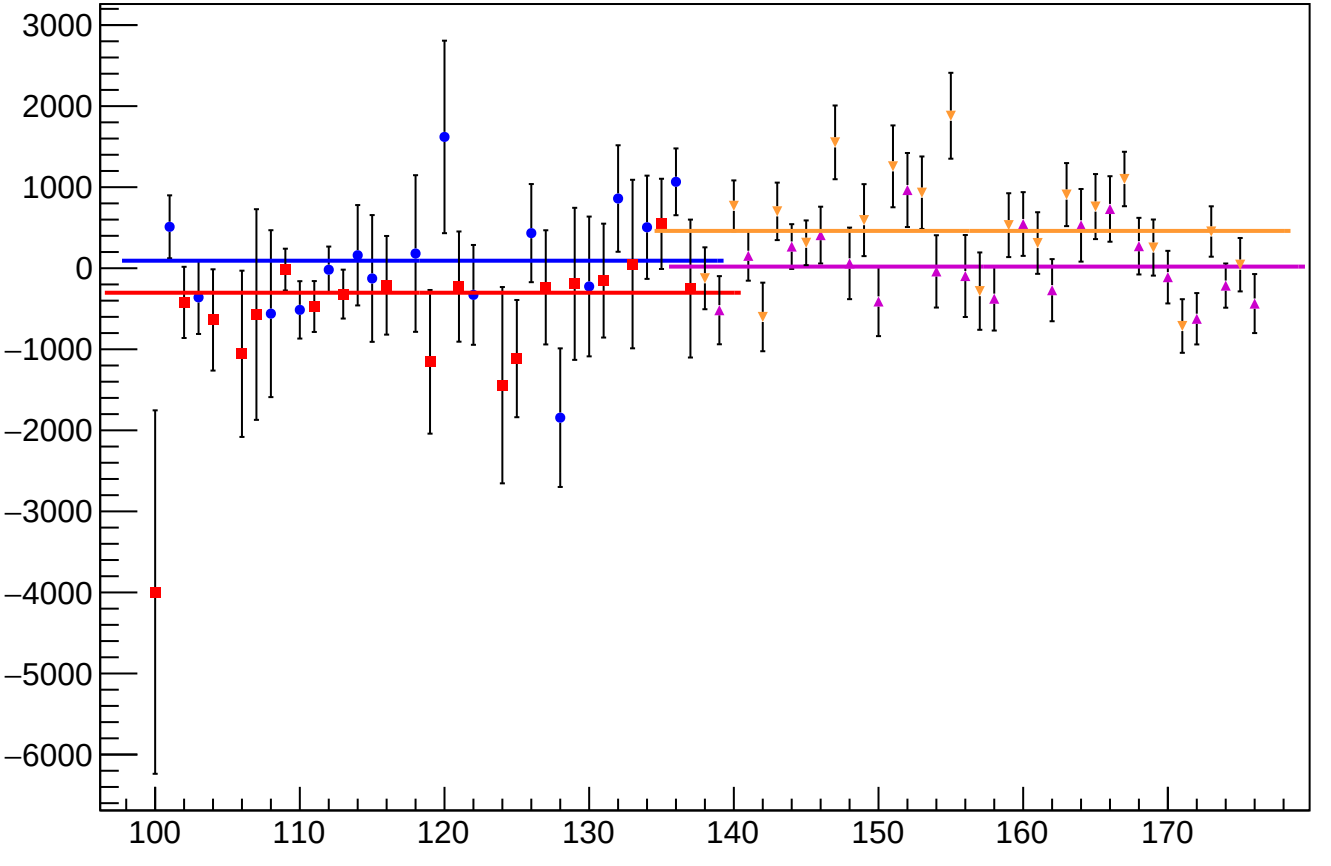
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 319.351+/-0.049 χ^2/NDF:3093603.8/34

Out: 313.188+/-0.048 χ^2/NDF:3672449.4/38

All: 316.193+/-0.034 χ^2/NDF: 6774101.2/73

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 460.511+/-83.749 χ^2/NDF:49.7/19

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 20.103+/-84.102 χ^2/NDF:24.1/18

Left: 241.231+/-59.344 χ^2/NDF: 87.5/38

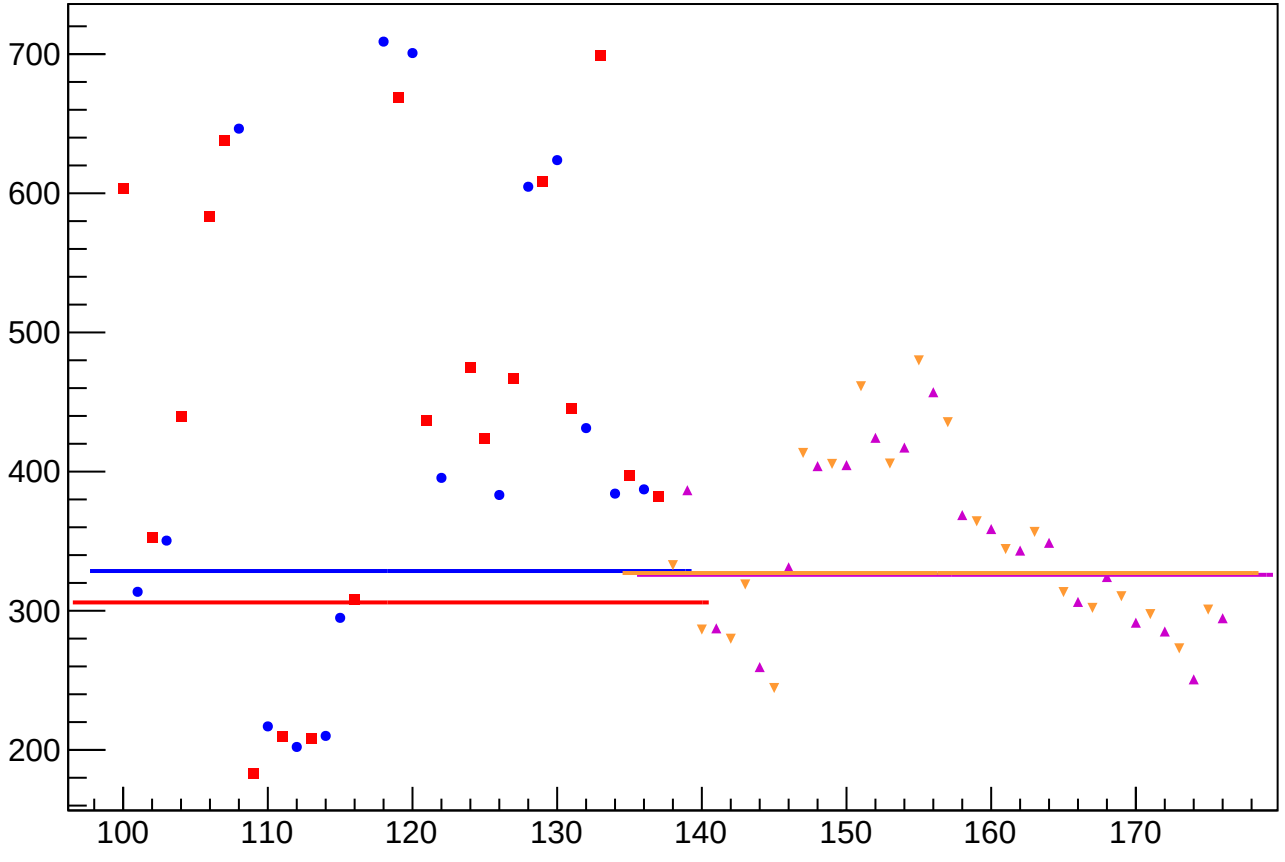
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 41.110+/-70.917 χ^2/NDF:45.1/34

Out: 221.338+/-69.388 χ^2/NDF:86.5/38

All: 133.188+/-49.597 χ^2/NDF: 134.9/73

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 327.125+/-0.059 χ^2/NDF:987113.0/19

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 325.829+/-0.059 χ^2/NDF:905306.8/18

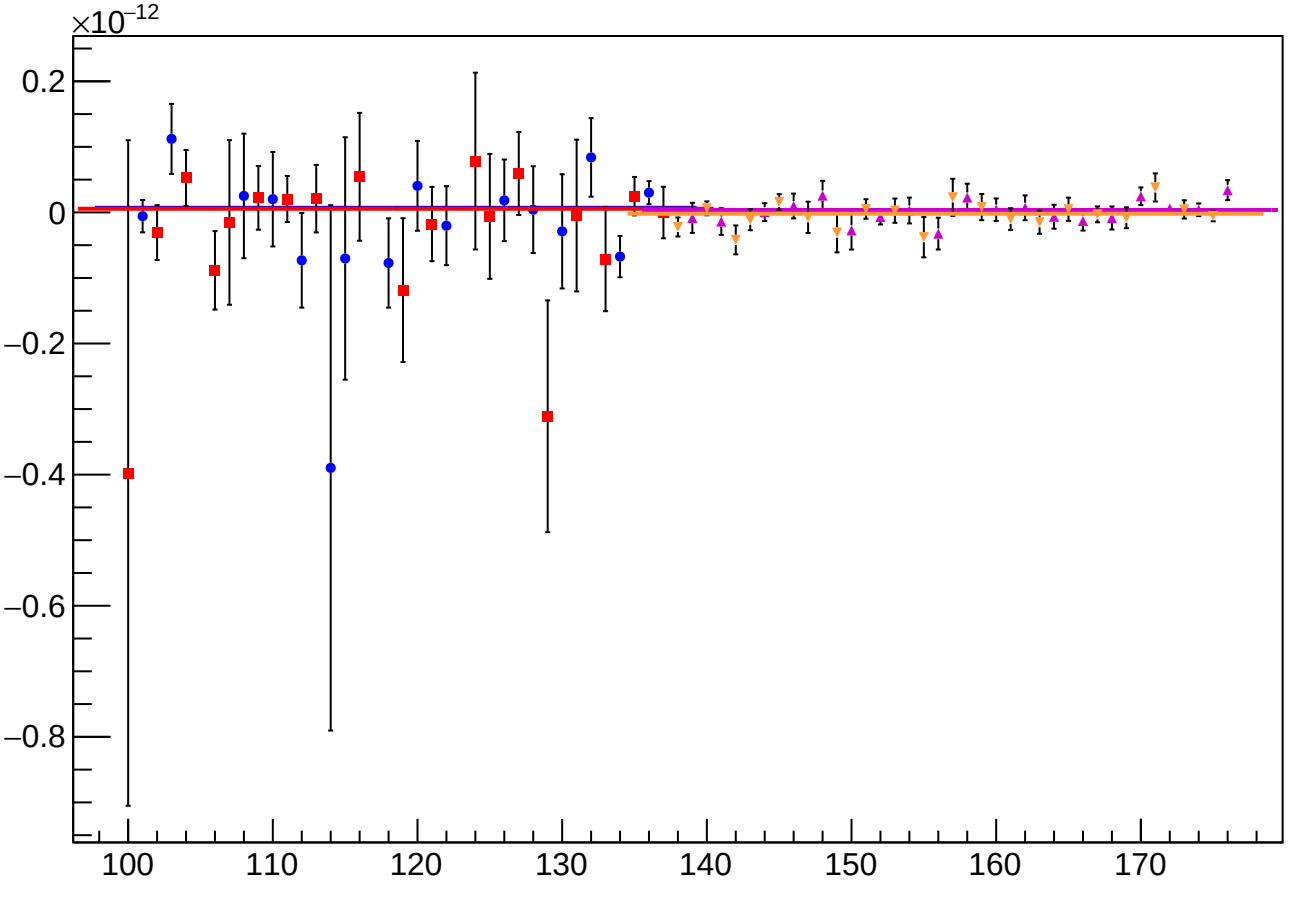
Left: 326.480+/-0.042 χ^2/NDF: 1892658.5/38

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 326.620+/-0.050 χ^2/NDF:2864792.6/34

Out: 320.498+/-0.049 χ^2/NDF:3554522.5/38

All: 323.492+/-0.035 χ^2/NDF: 6426930.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

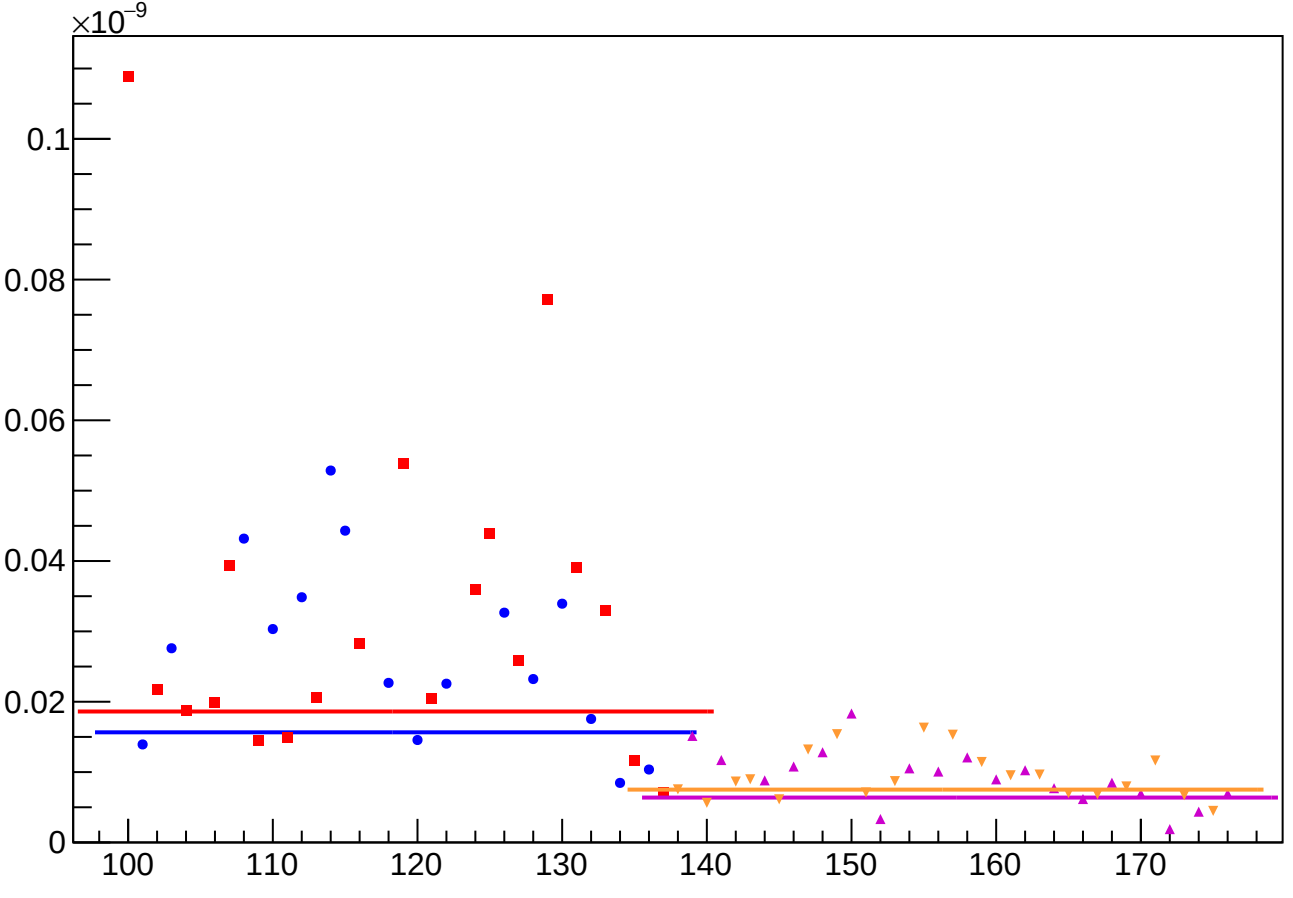
Left: 0.000+/-0.000 χ^2/NDF: 34.2/38

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:33.5/34

Out: -0.000+/-0.000 χ^2/NDF:30.1/38

All: 0.000+/-0.000 χ^2/NDF: 65.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1193094.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2697790.2/18

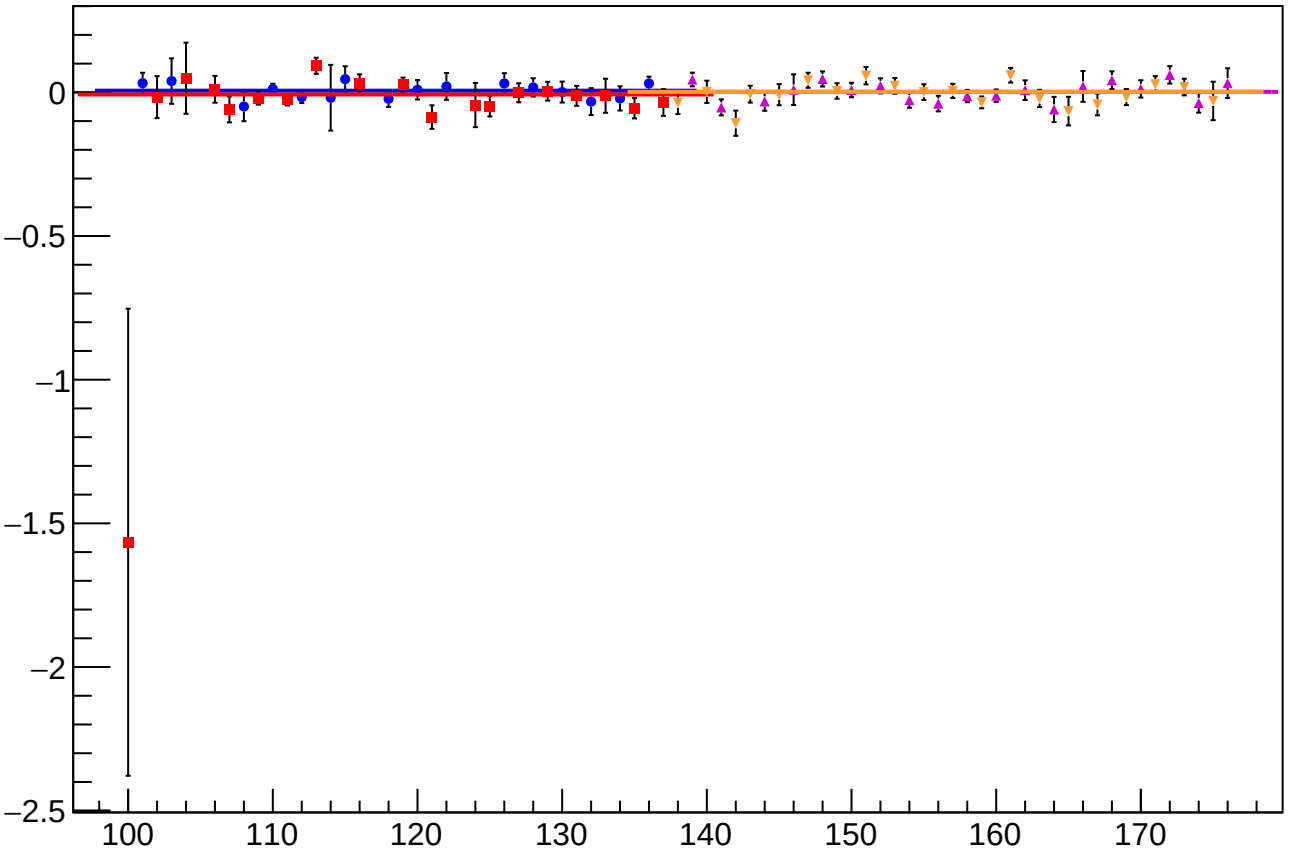
Left: 0.000+/-0.000 χ^2/NDF: 4002661.0/38

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5174888.8/34

Out: 0.000+/-0.000 χ^2/NDF:3818582.2/38

All: 0.000+/-0.000 χ^2/NDF: 9104622.1/73



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

Left: 0.002+/-0.005 χ^2/NDF: 52.9/38

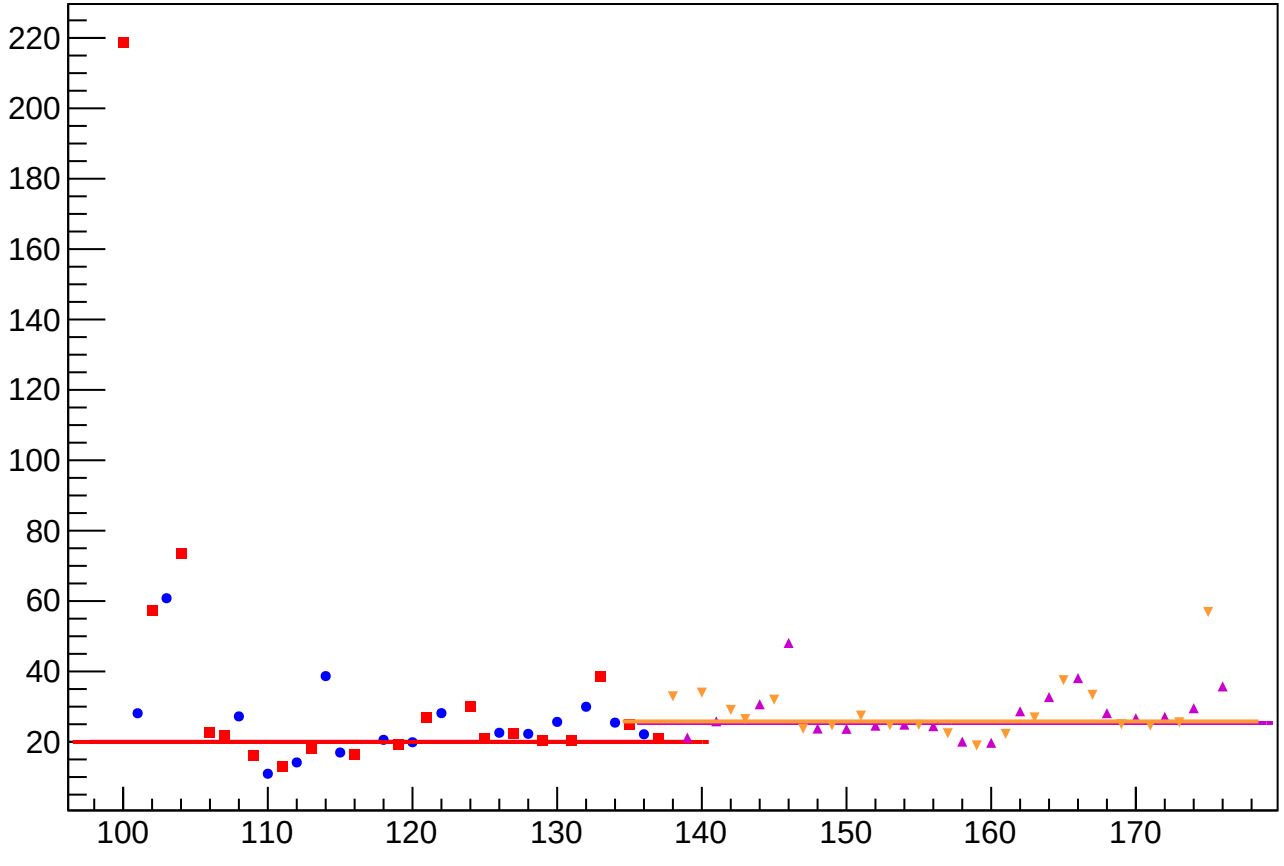
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 92.0/73

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: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

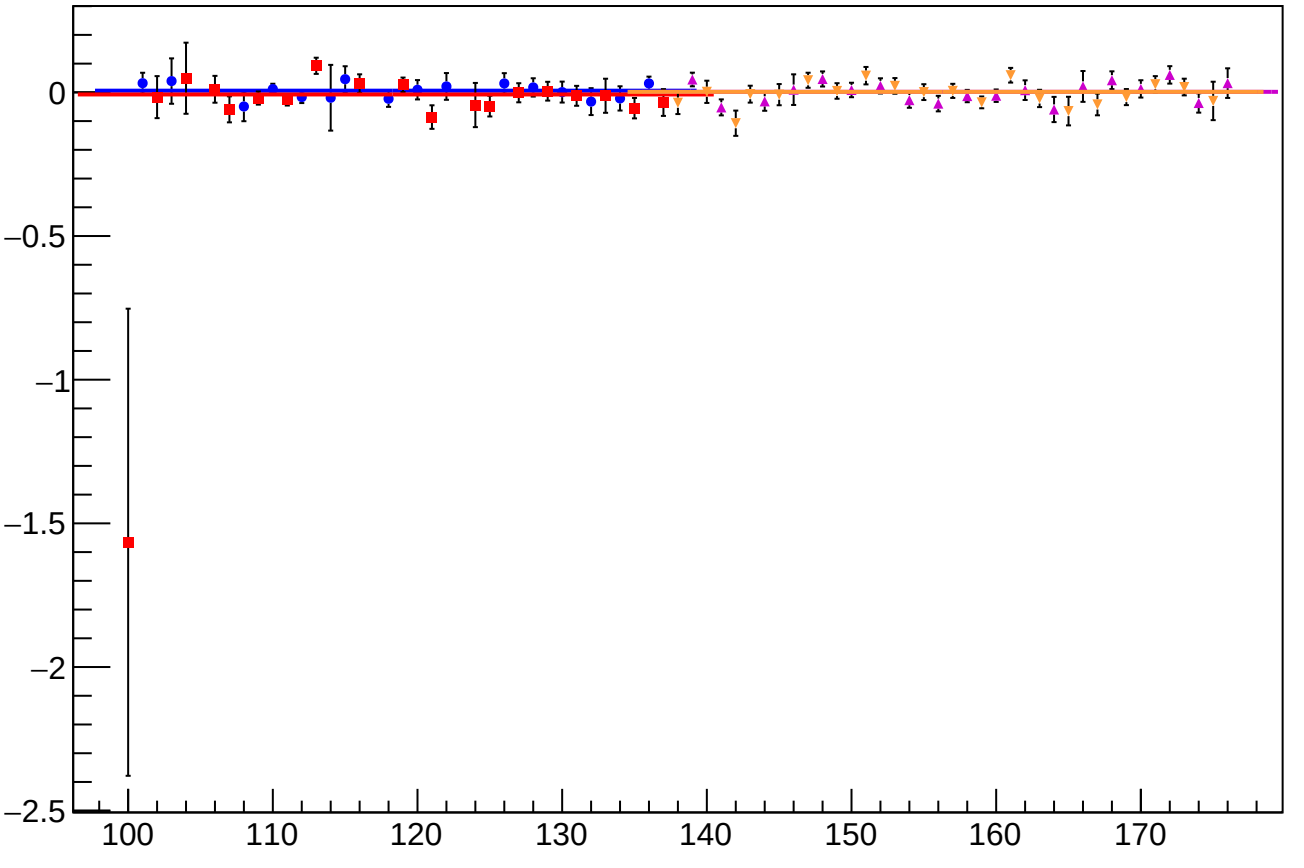
Left: 25.577+/-0.003 χ^2/NDF: 2263039.9/38

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.191+/-0.004 χ^2/NDF:3235643.5/34

Out: 23.406+/-0.004 χ^2/NDF:3507114.0/38

All: 23.299+/-0.003 χ^2/NDF: 6744467.2/73



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

Left: 0.002+/-0.005 χ^2/NDF: 52.9/38

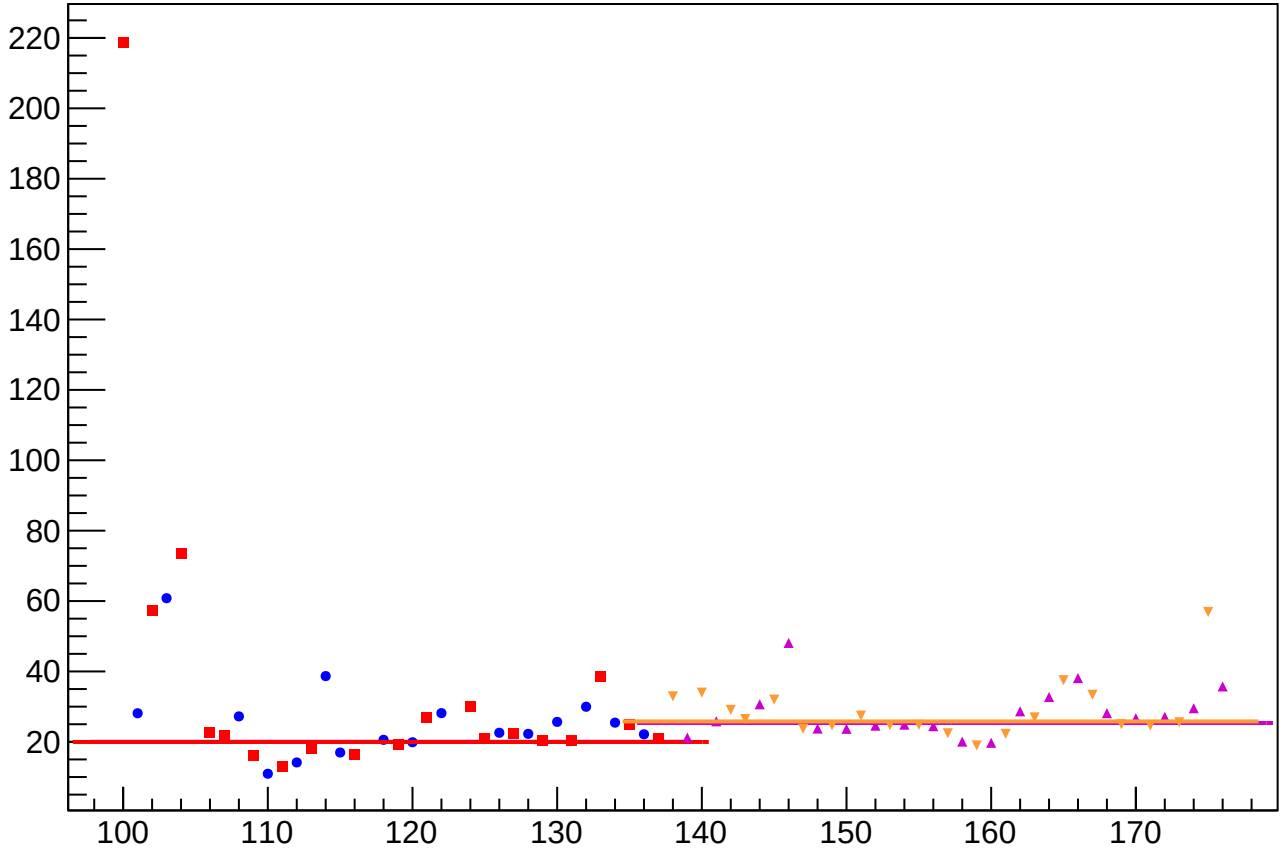
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 92.0/73

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: 25.798+/-0.005 χ^2/NDF:1177074.6/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

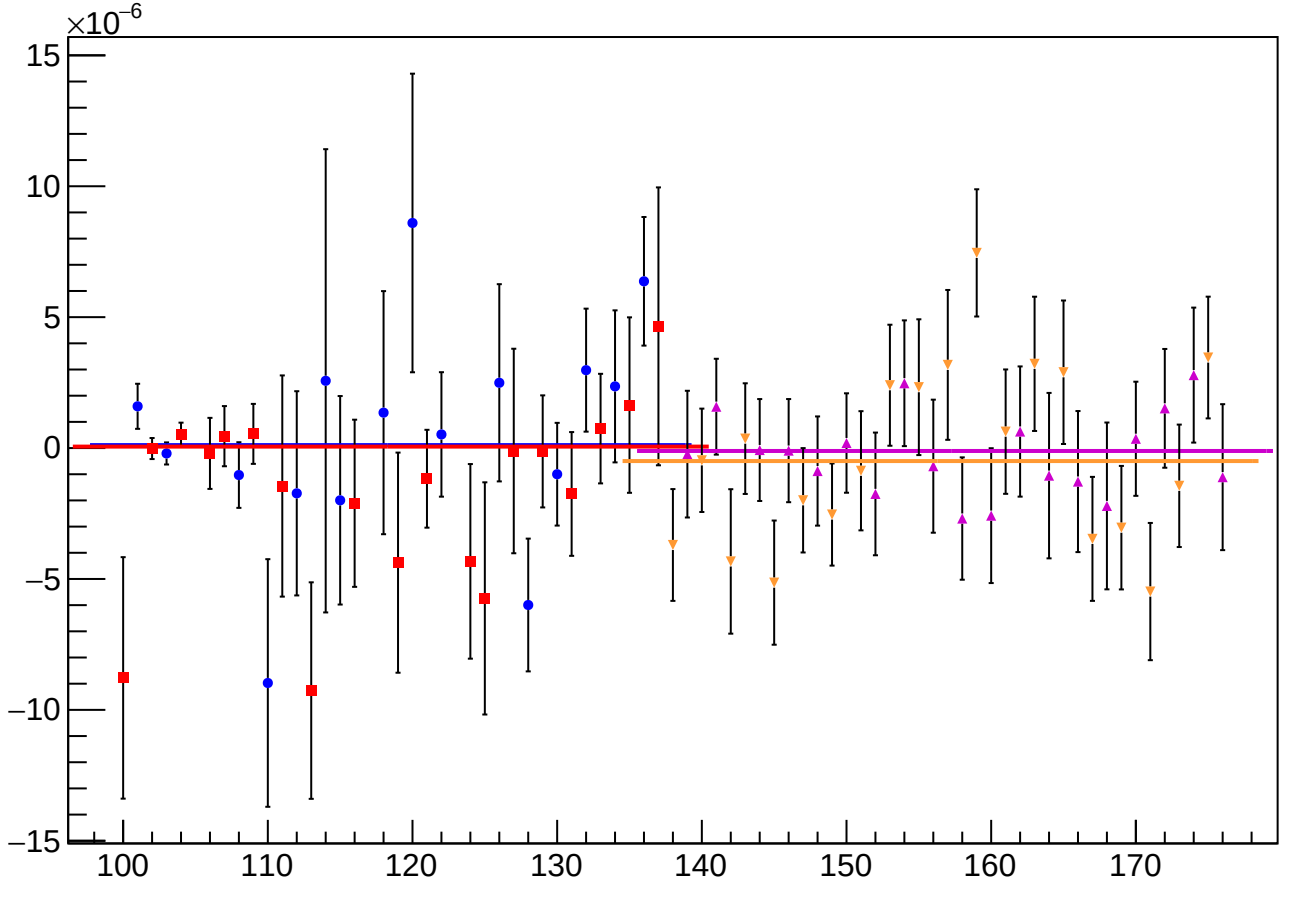
Left: 25.577+/-0.003 χ^2/NDF: 2263039.9/38

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.191+/-0.004 χ^2/NDF:3235643.5/34

Out: 23.406+/-0.004 χ^2/NDF:3507114.0/38

All: 23.299+/-0.003 χ^2/NDF: 6744467.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/18

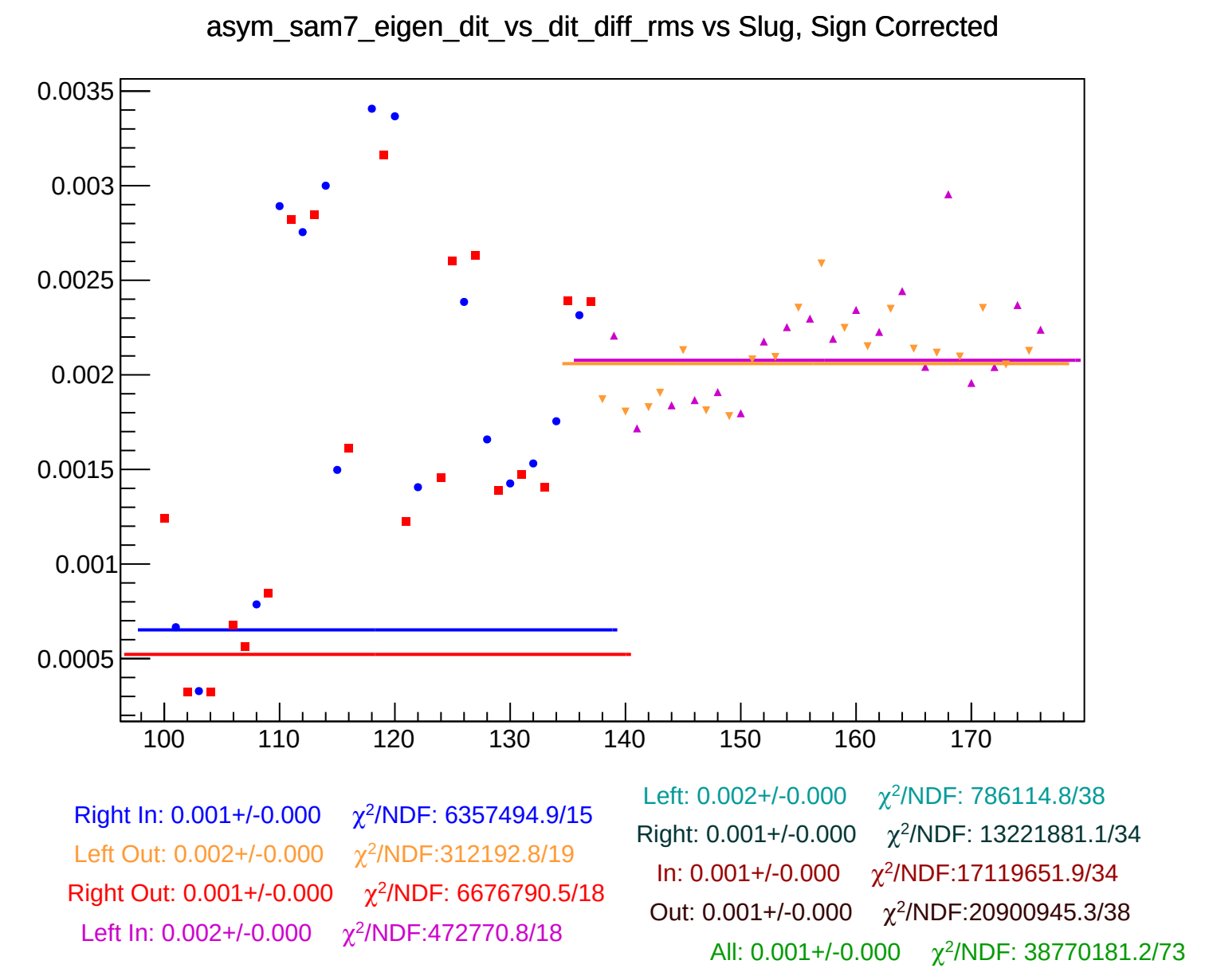
Left: -0.000+/-0.000 χ^2/NDF: 46.1/38

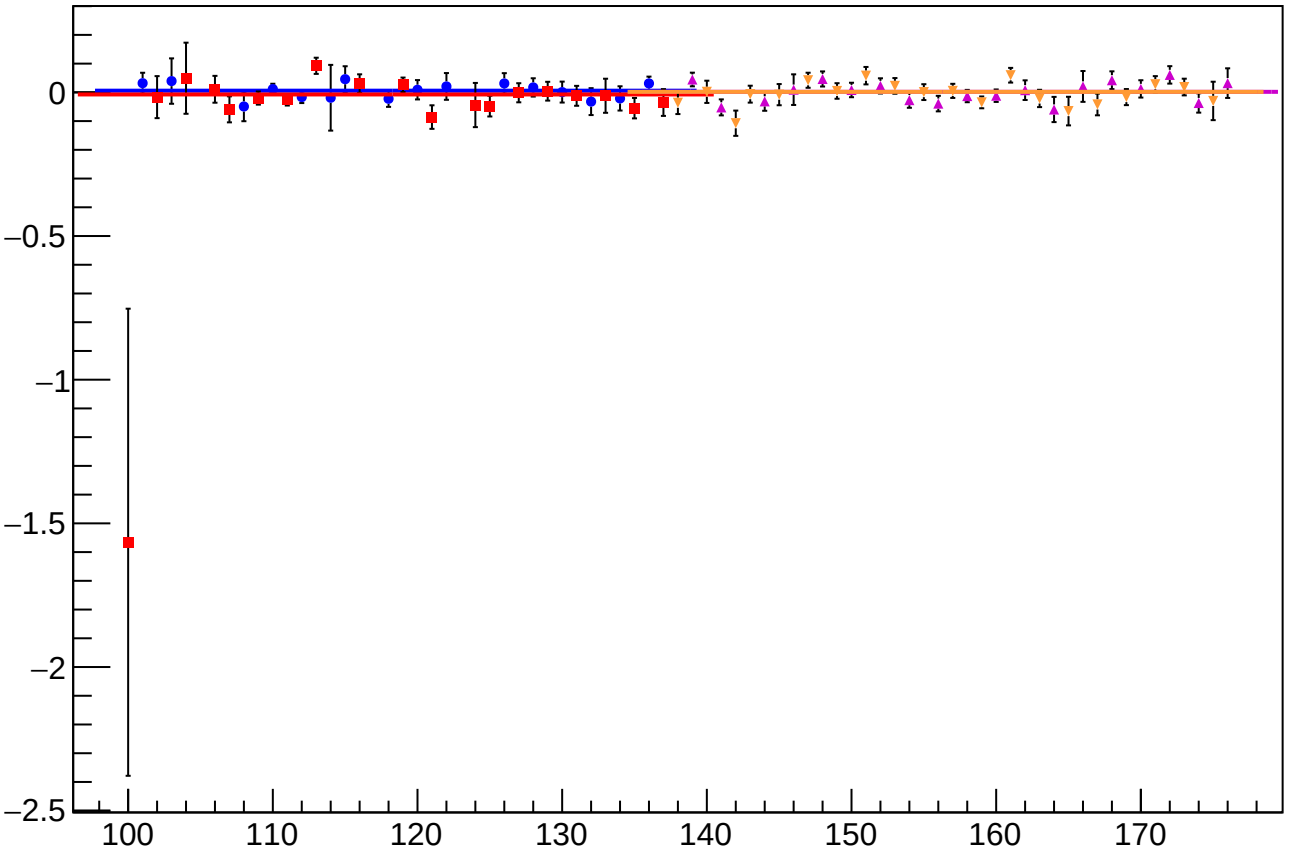
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:33.8/34

Out: -0.000+/-0.000 χ^2/NDF:56.2/38

All: -0.000+/-0.000 χ^2/NDF: 90.1/73


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:312192.8/19
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:472770.8/18
Left: 0.002+/-0.000 χ²/NDF: 786114.8/38
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:17119651.9/34
Out: 0.001+/-0.000 χ²/NDF:20900945.3/38
All: 0.001+/-0.000 χ²/NDF: 38770181.2/73



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

Left: 0.002+/-0.005 χ^2/NDF: 52.9/38

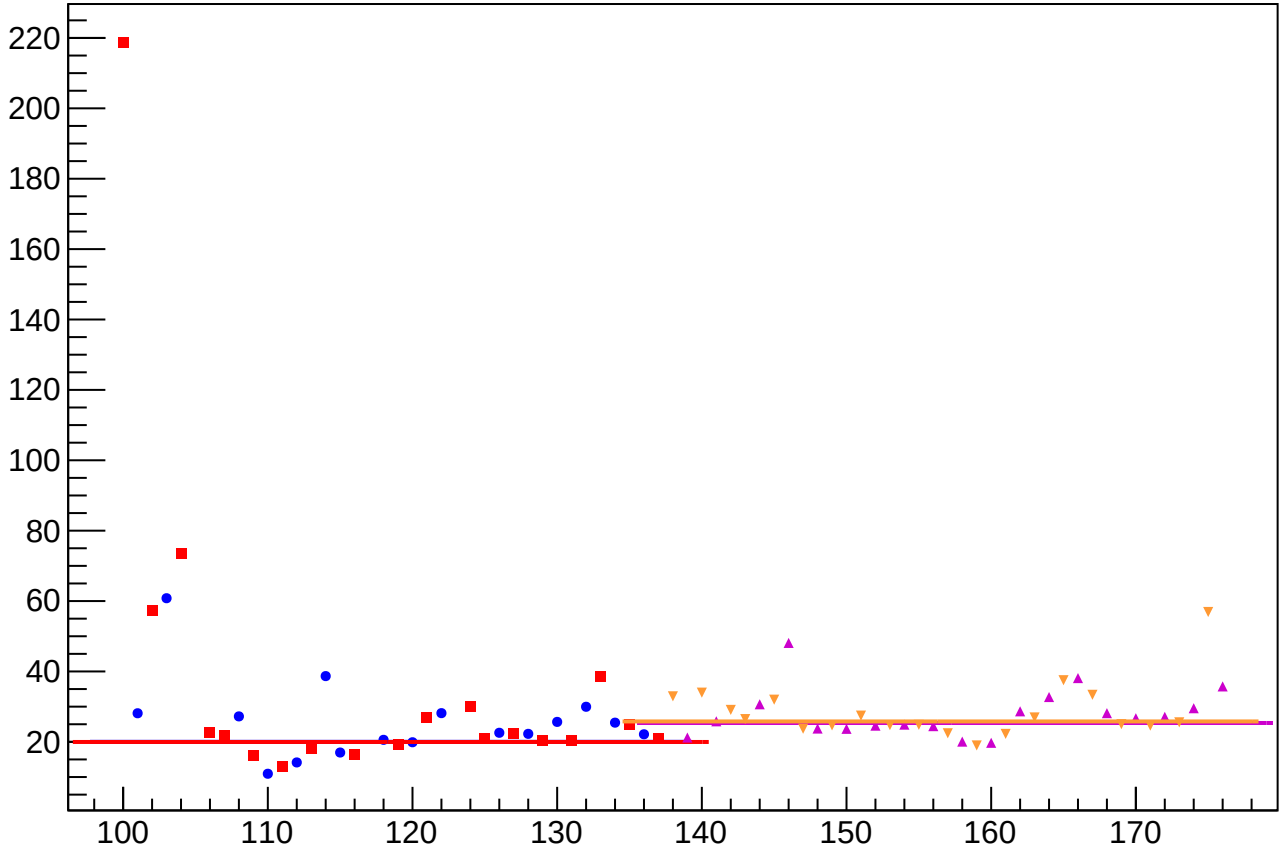
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 92.0/73

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

Left: 25.577+/-0.003 χ^2/NDF: 2263148.6/38

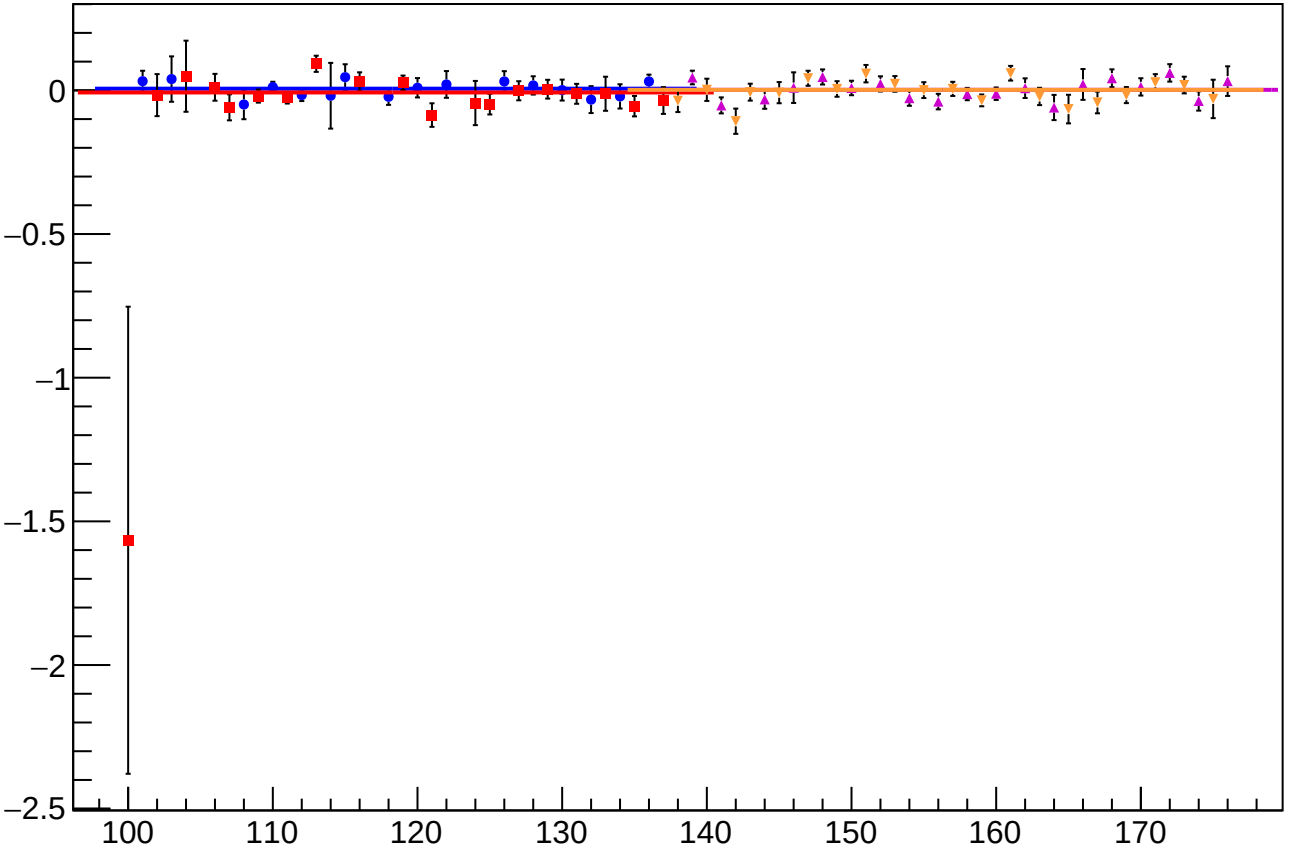
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.191+/-0.004 χ^2/NDF:3235426.8/34

Out: 23.406+/-0.004 χ^2/NDF:3507065.2/38

All: 23.299+/-0.003 χ^2/NDF: 6744199.1/73

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.5/19

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

Left: 0.002+/-0.005 χ^2/NDF: 52.9/38

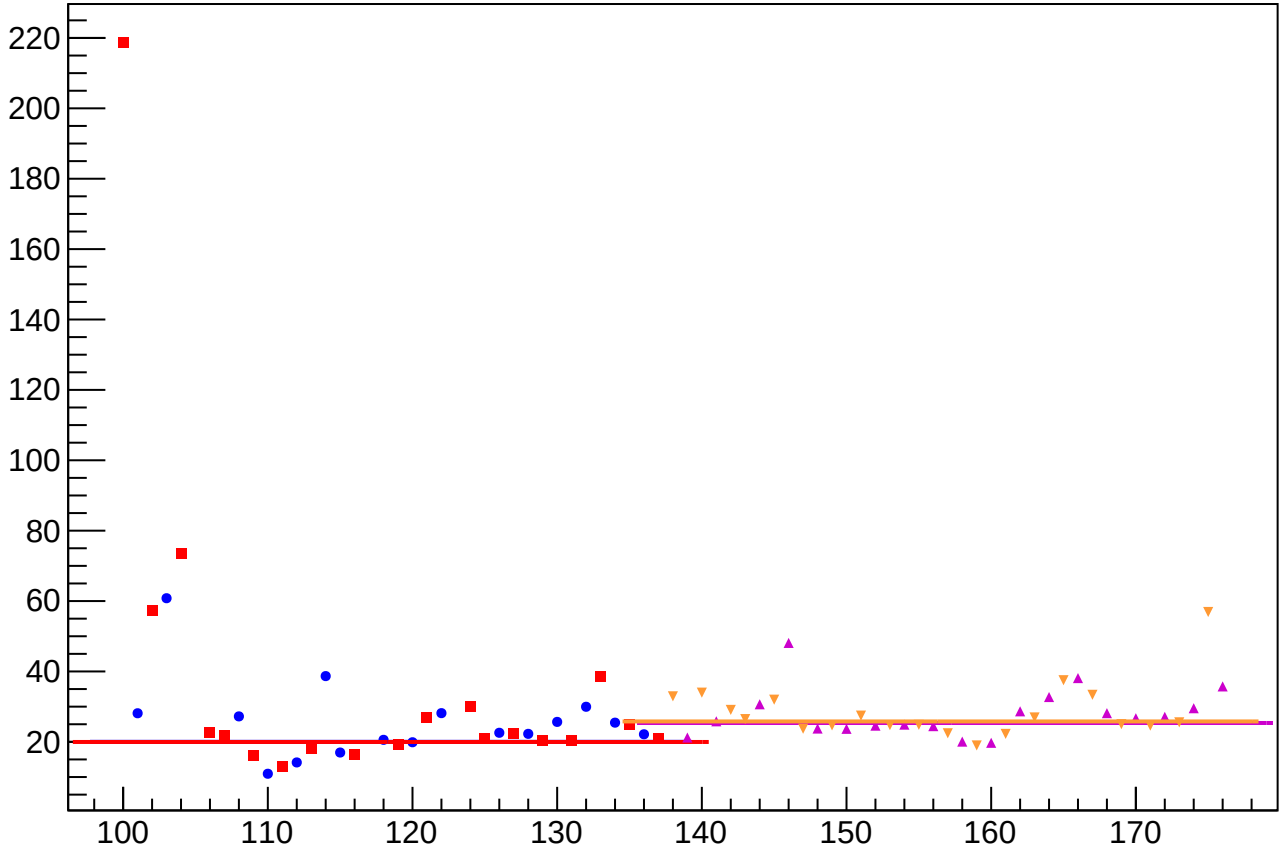
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.1/38

All: 0.001+/-0.004 χ^2/NDF: 92.0/73

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.798+/-0.005 χ^2/NDF:1177121.5/19

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

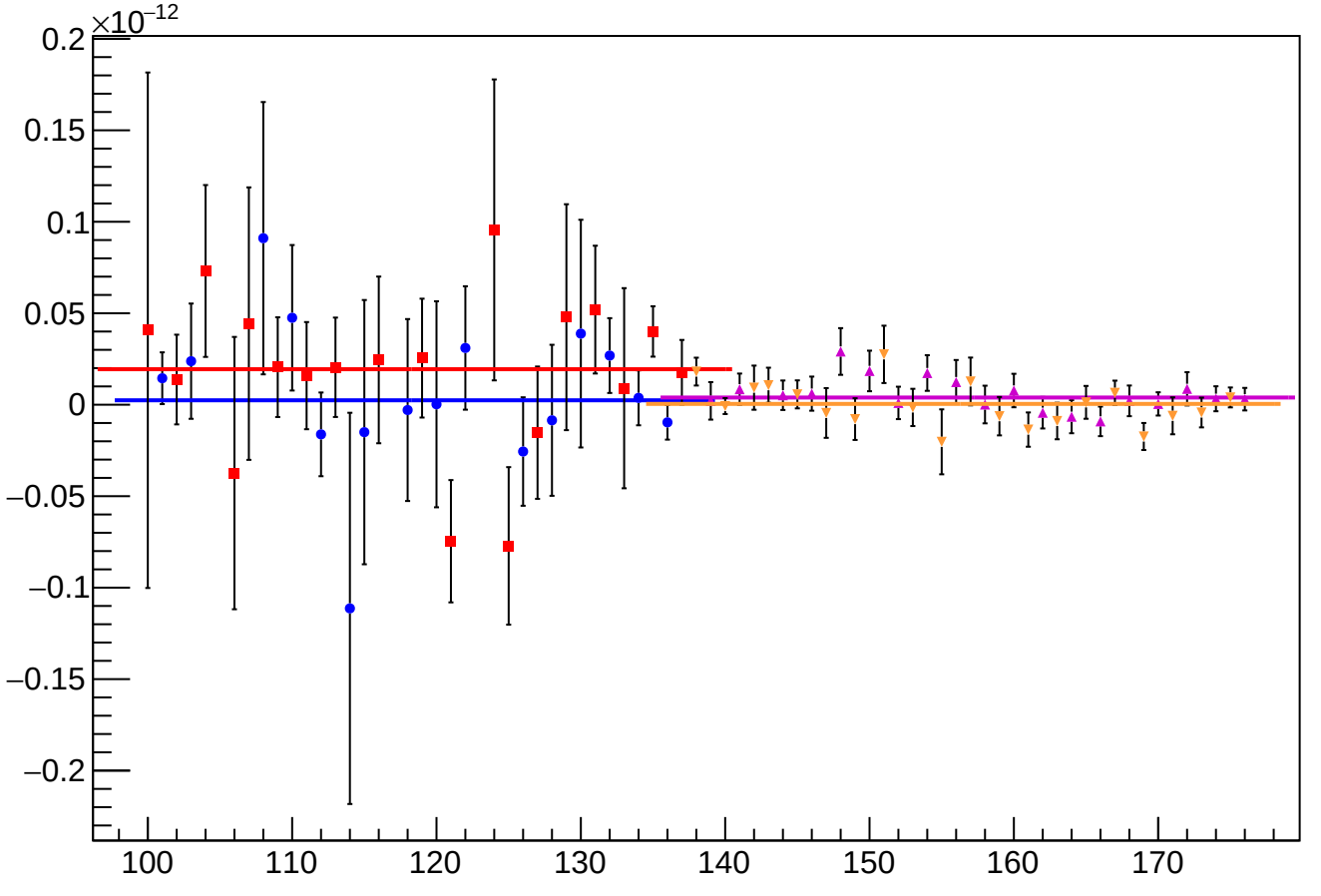
Left: 25.577+/-0.003 χ^2/NDF: 2263148.6/38

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.191+/-0.004 χ^2/NDF:3235426.8/34

Out: 23.406+/-0.004 χ^2/NDF:3507065.2/38

All: 23.299+/-0.003 χ^2/NDF: 6744199.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/18

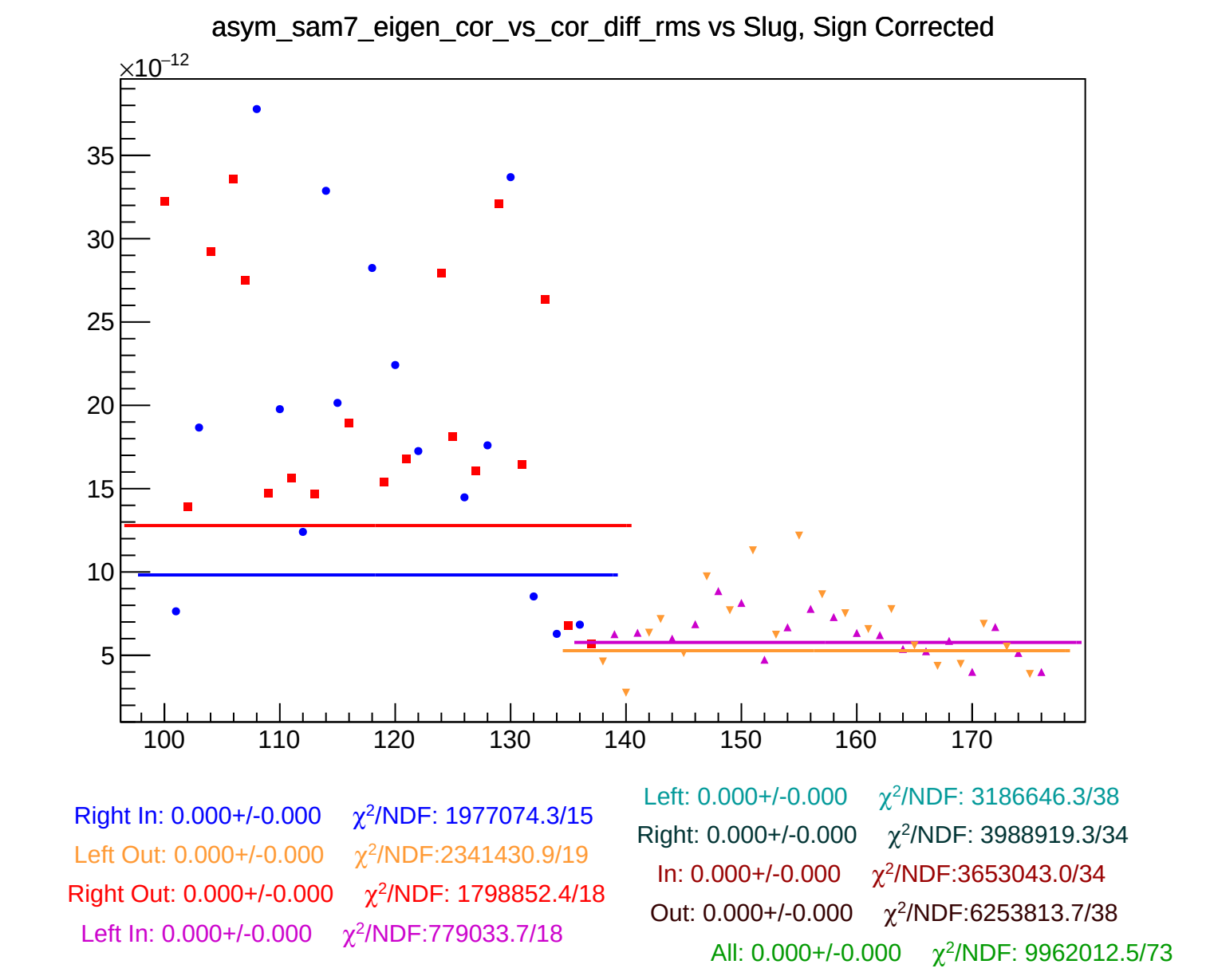
Left: 0.000+/-0.000 χ^2/NDF: 40.8/38

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

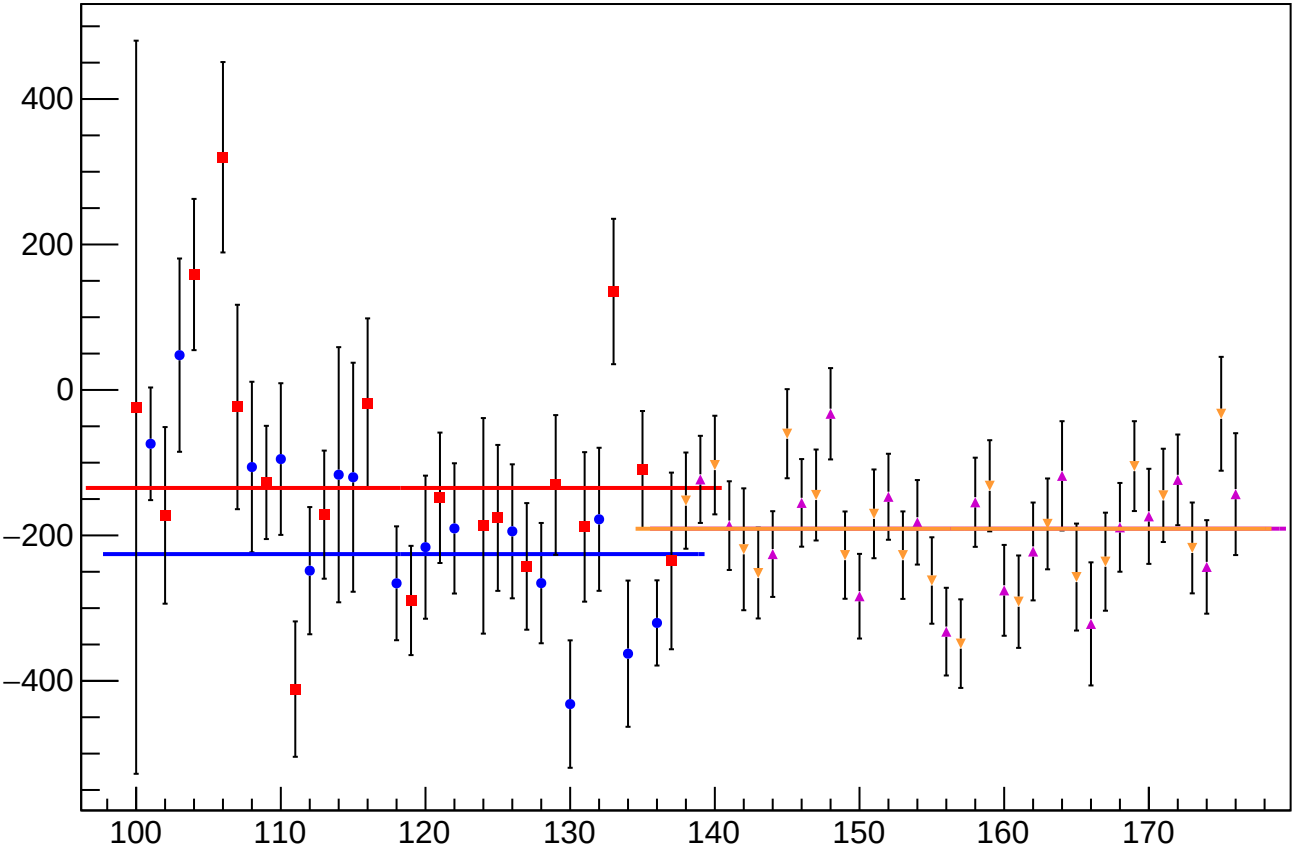
In: 0.000+/-0.000 χ^2/NDF:25.2/34

Out: 0.000+/-0.000 χ^2/NDF:51.9/38

All: 0.000+/-0.000 χ^2/NDF: 77.7/73


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:2341430.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:779033.7/18
Left: 0.000+/-0.000 χ²/NDF: 3186646.3/38
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3653043.0/34
Out: 0.000+/-0.000 χ²/NDF:6253813.7/38
All: 0.000+/-0.000 χ²/NDF: 9962012.5/73

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.847+/-14.387 χ^2/NDF:28.5/19

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -190.744+/-14.553 χ^2/NDF:24.9/18

Left: -190.796+/-10.231 χ^2/NDF: 53.5/38

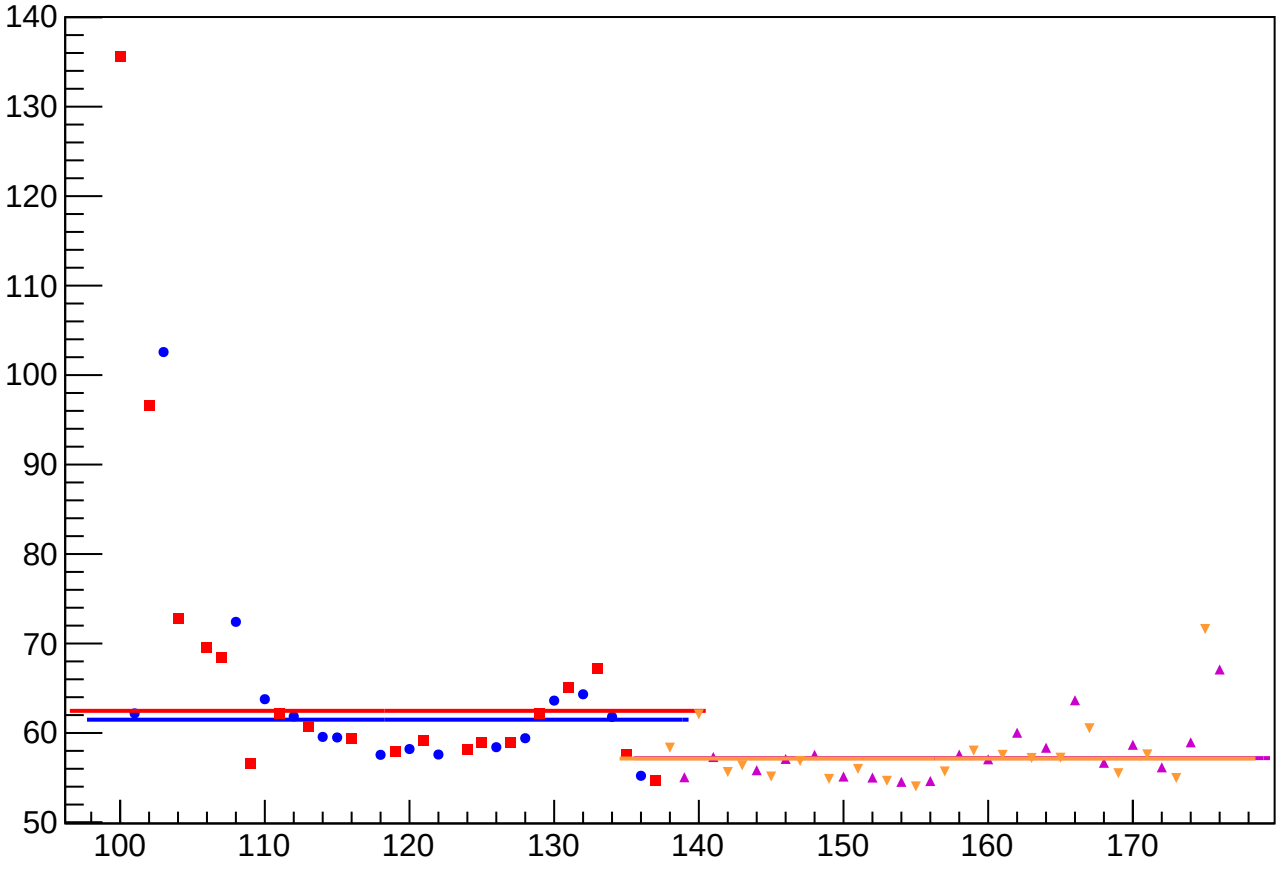
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.662+/-12.316 χ^2/NDF:49.1/34

Out: -175.262+/-12.226 χ^2/NDF:78.0/38

All: -187.868+/-8.677 χ^2/NDF: 129.3/73

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

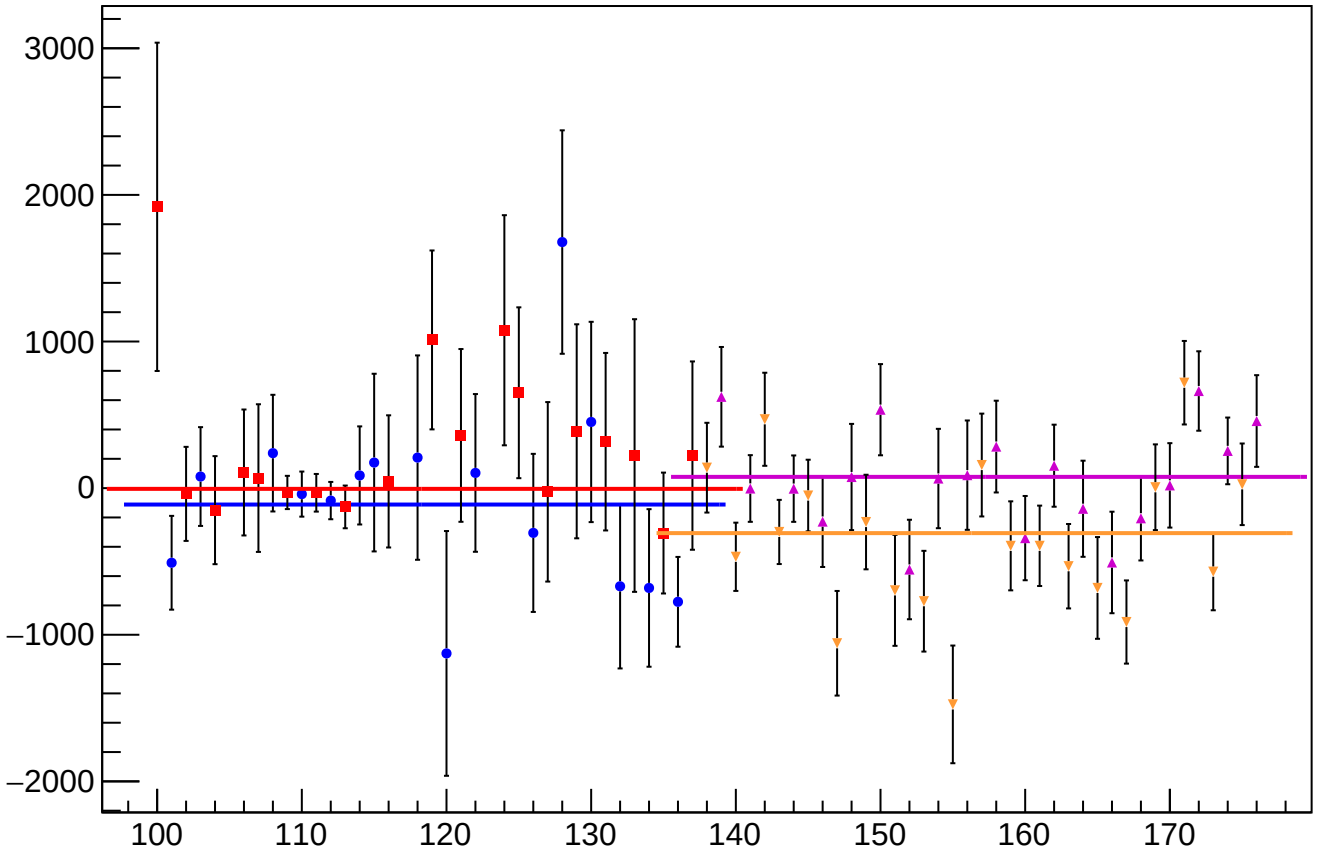
Left: 57.169+/-0.007 χ^2/NDF: 169642.1/38

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.410+/-0.009 χ^2/NDF:363769.4/34

Out: 58.628+/-0.009 χ^2/NDF:463374.5/38

All: 58.520+/-0.006 χ^2/NDF: 827459.2/73



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -306.782+/-65.616 χ^2/NDF:50.4/19

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 76.848+/-67.338 χ^2/NDF:23.1/18

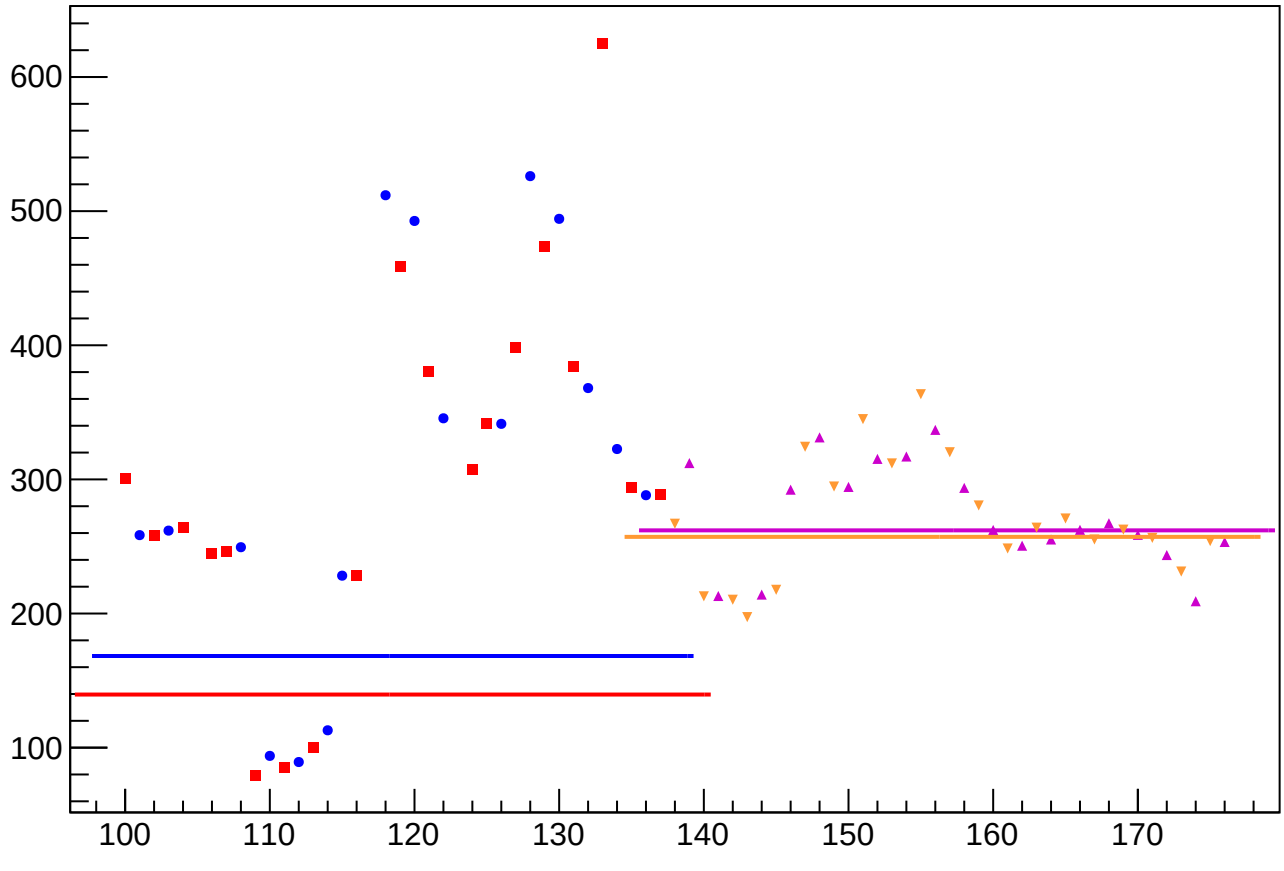
Left: -119.935+/-46.994 χ^2/NDF: 90.1/38

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -5.894+/-50.462 χ^2/NDF:45.0/34

Out: -151.916+/-45.791 χ^2/NDF:72.9/38

All: -85.976+/-33.910 χ^2/NDF: 122.5/73



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820018.9/19

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666986.4/18

Left: 259.518+/-0.033 χ^2/NDF: 1492334.4/38

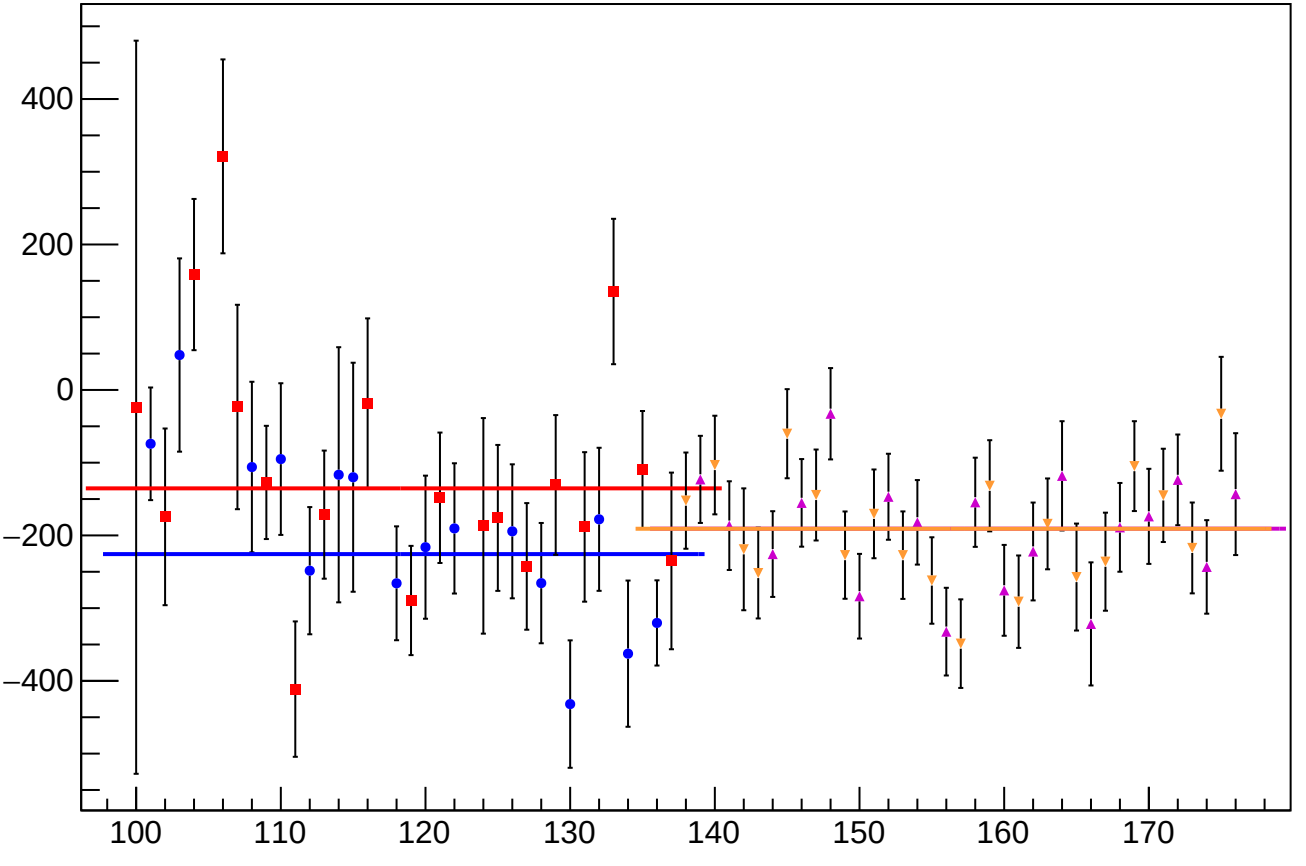
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.938+/-0.036 χ^2/NDF:6907976.3/34

Out: 196.847+/-0.032 χ^2/NDF:9267579.1/38

All: 207.726+/-0.024 χ^2/NDF: 16425547.2/73

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.745+/-14.553 χ^2/NDF:24.9/18

Left: -190.796+/-10.231 χ^2/NDF: 53.5/38

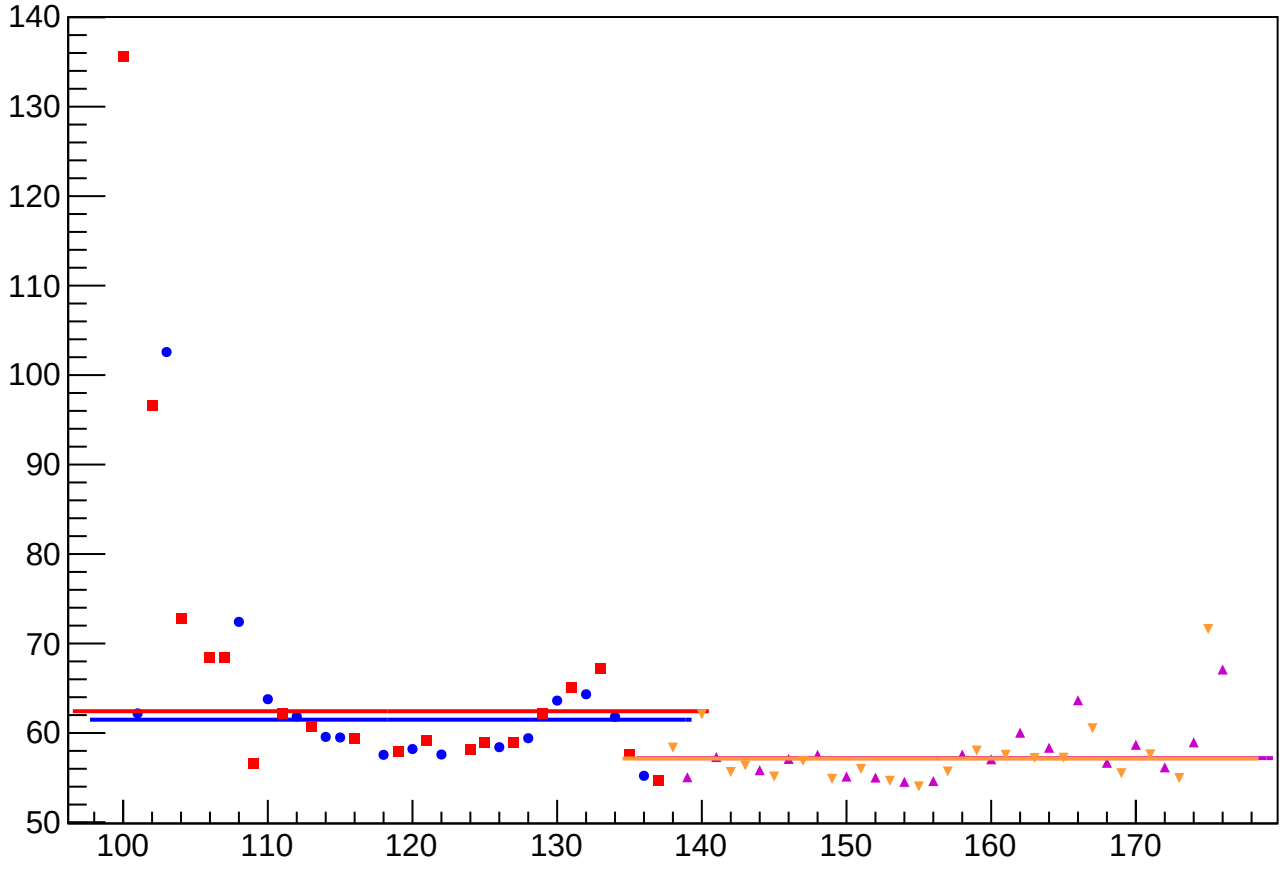
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.663+/-12.316 χ^2/NDF:49.2/34

Out: -175.425+/-12.228 χ^2/NDF:77.6/38

All: -187.953+/-8.677 χ^2/NDF: 128.8/73

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

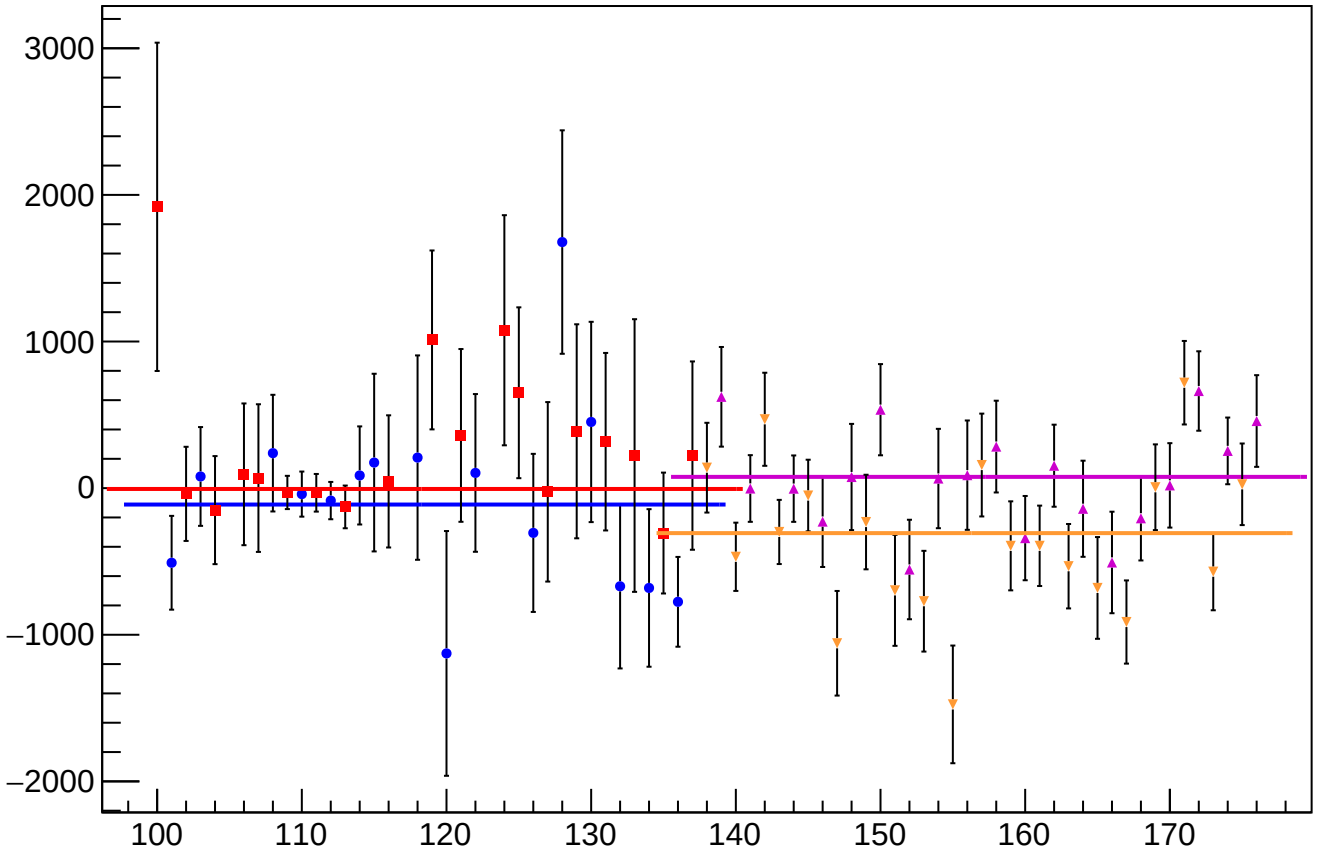
Left: 57.169+/-0.007 χ^2/NDF: 169642.1/38

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.410+/-0.009 χ^2/NDF:363772.0/34

Out: 58.614+/-0.009 χ^2/NDF:460344.6/38

All: 58.513+/-0.006 χ^2/NDF: 824394.8/73



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 76.845+/-67.338 χ^2/NDF:23.1/18

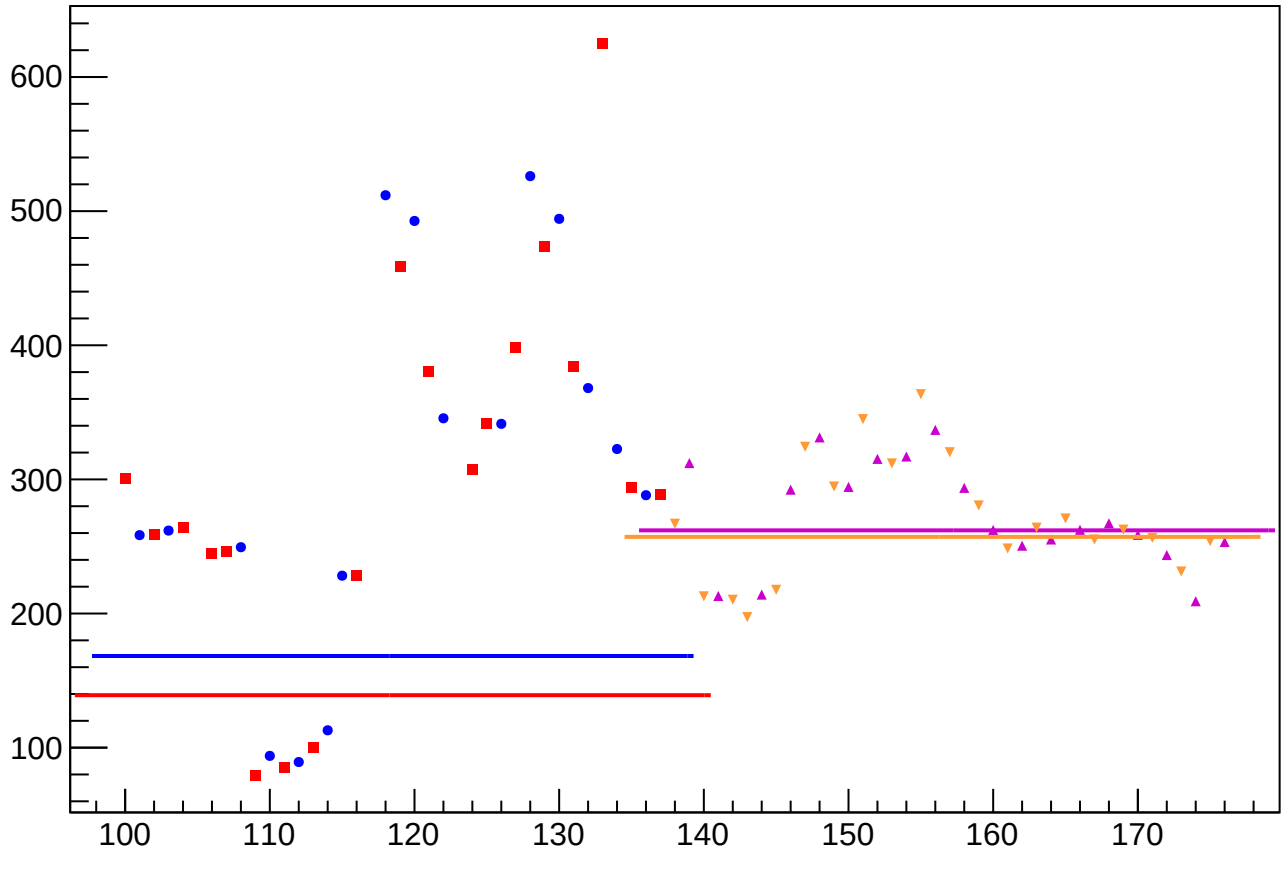
Left: -119.936+/-46.994 χ^2/NDF: 90.1/38

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -5.888+/-50.462 χ^2/NDF:45.0/34

Out: -152.644+/-45.846 χ^2/NDF:72.8/38

All: -86.284+/-33.933 χ^2/NDF: 122.4/73



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

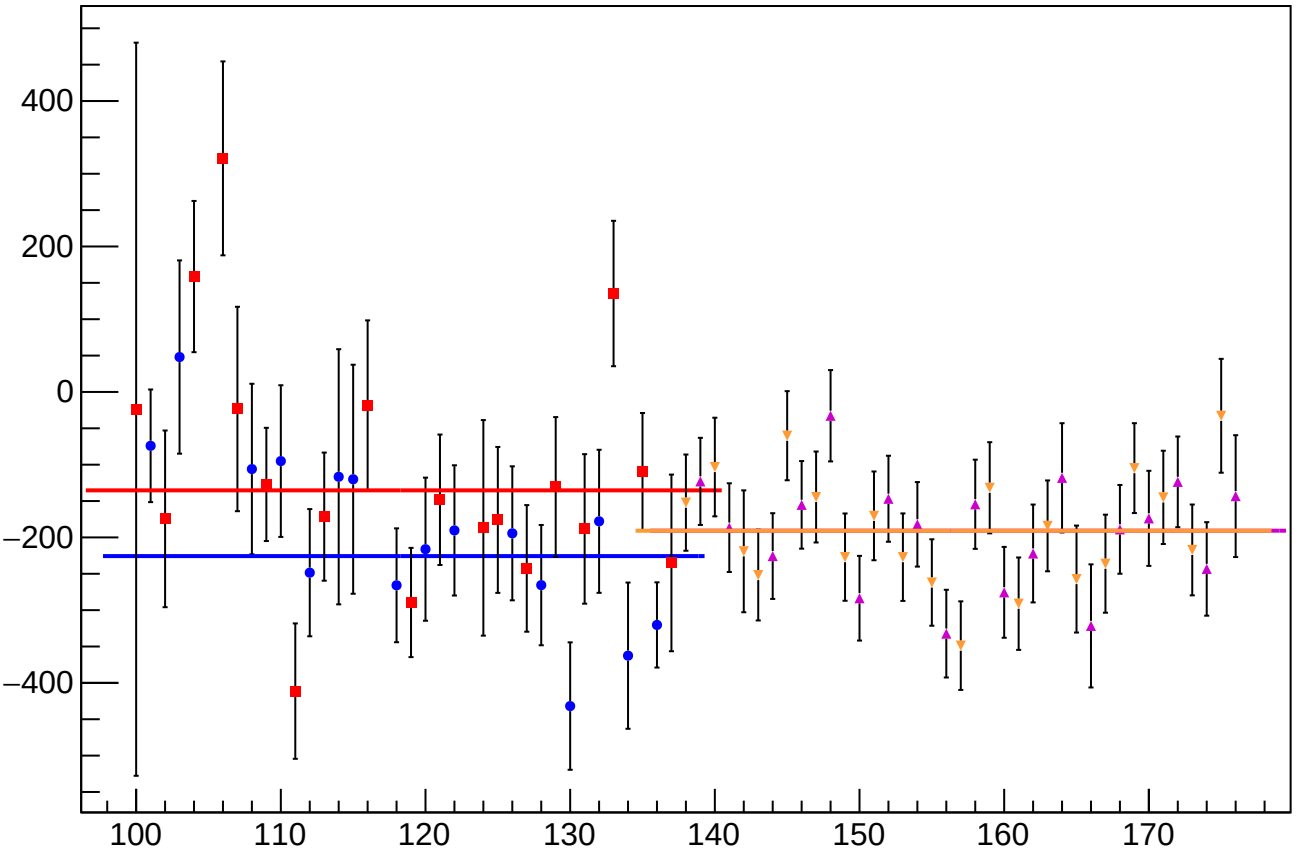
Left: 259.517+/-0.033 χ^2/NDF: 1492337.1/38

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.938+/-0.036 χ^2/NDF:6908006.9/34

Out: 196.736+/-0.032 χ^2/NDF:9263187.1/38

All: 207.680+/-0.024 χ^2/NDF: 16423215.0/73



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -190.845+/-14.387 χ^2/NDF:28.6/19

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.745+/-14.553 χ^2/NDF:24.9/18

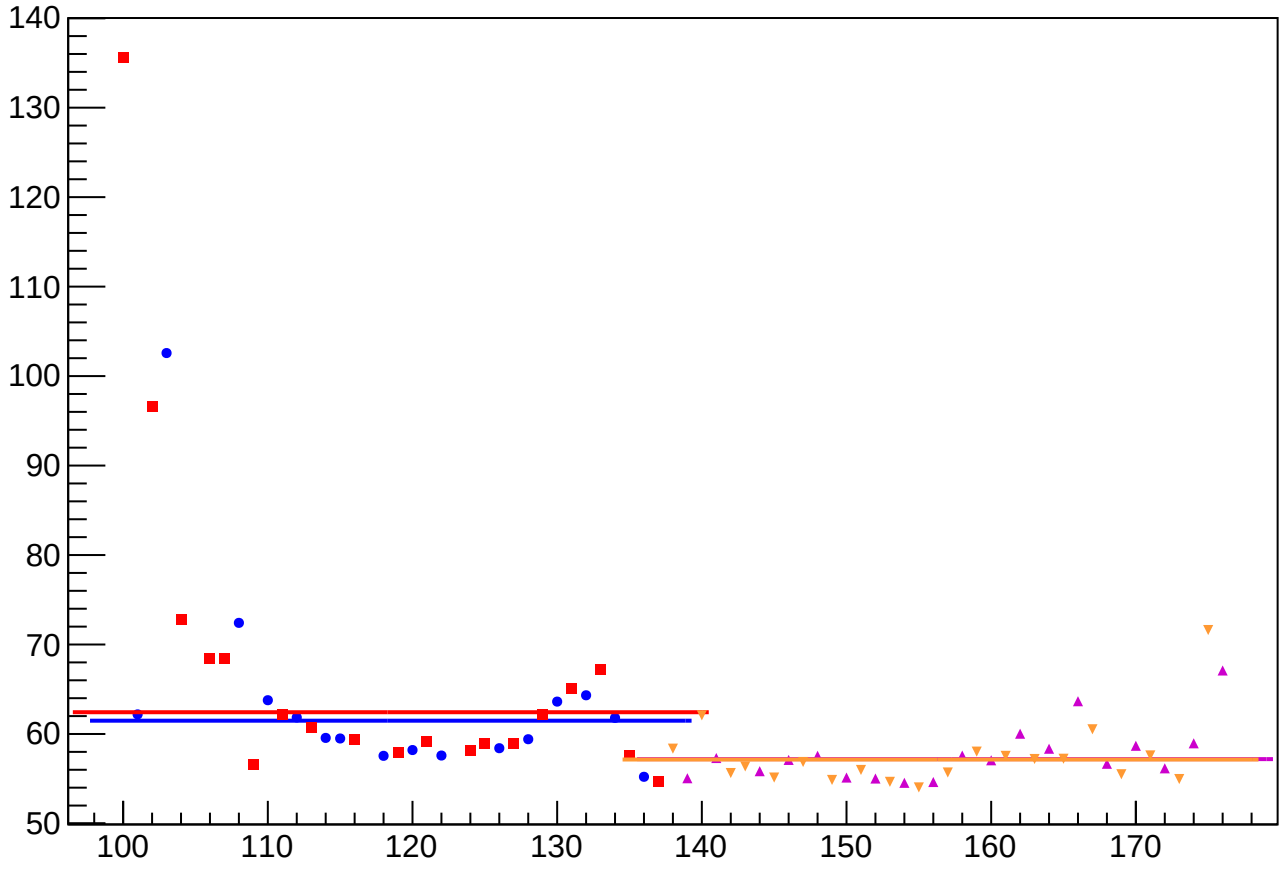
Left: -190.796+/-10.231 χ^2/NDF: 53.5/38

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.663+/-12.316 χ^2/NDF:49.2/34

Out: -175.425+/-12.228 χ^2/NDF:77.6/38

All: -187.953+/-8.677 χ^2/NDF: 128.8/73



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.147+/-0.010 χ^2/NDF:105973.3/19

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

Left: 57.169+/-0.007 χ^2/NDF: 169642.1/38

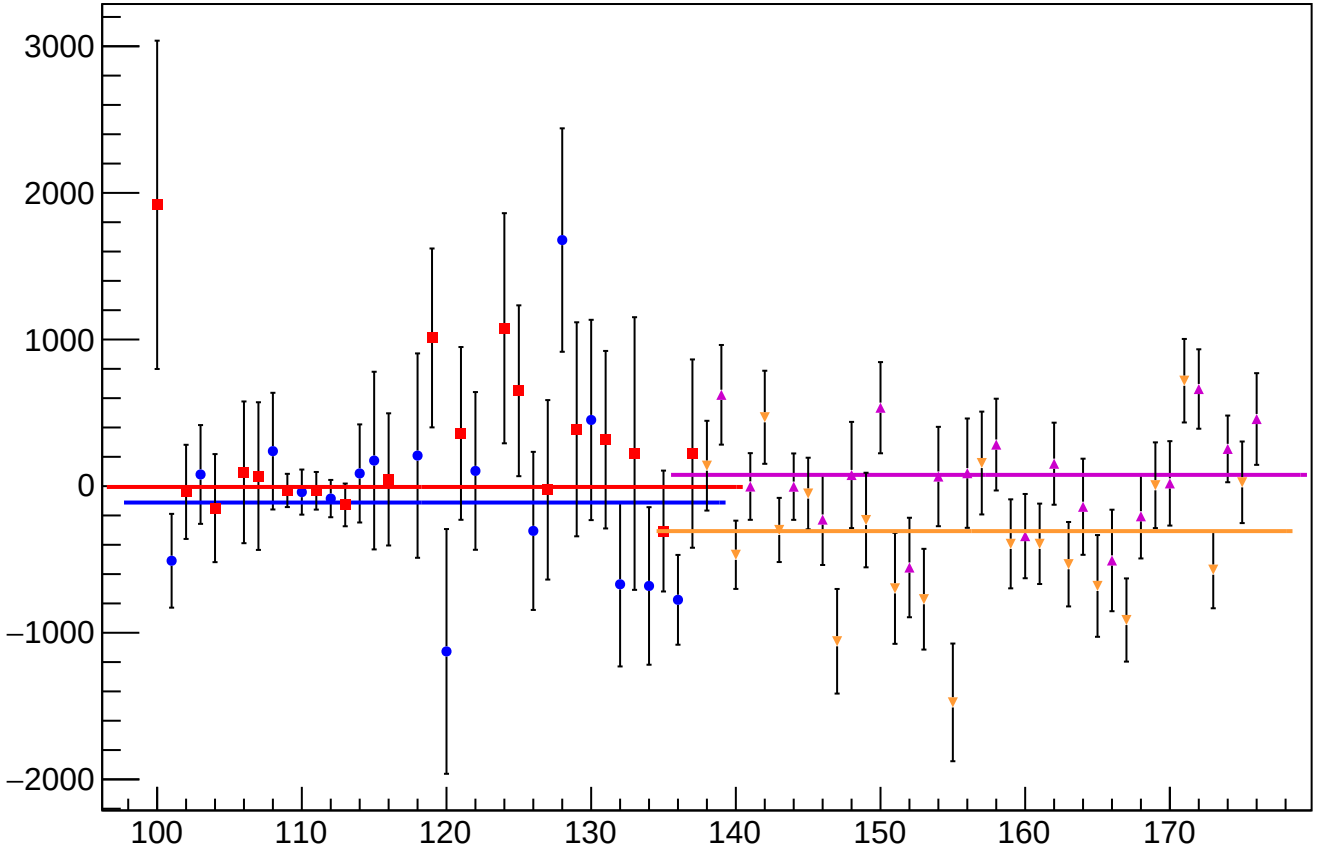
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.410+/-0.009 χ^2/NDF:363772.0/34

Out: 58.614+/-0.009 χ^2/NDF:460344.6/38

All: 58.513+/-0.006 χ^2/NDF: 824394.8/73

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -306.780+/-65.616 χ^2/NDF:50.4/19

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 76.845+/-67.338 χ^2/NDF:23.1/18

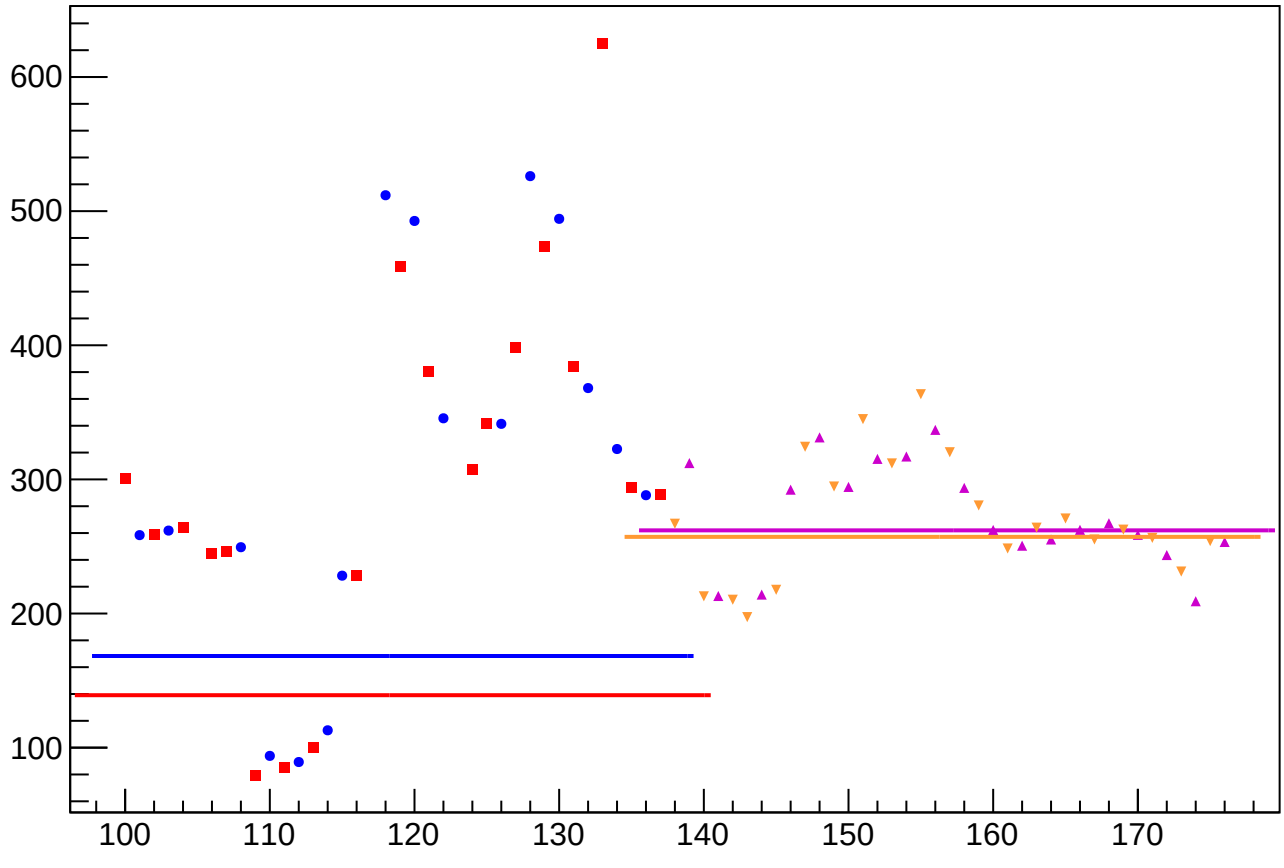
Left: -119.936+/-46.994 χ^2/NDF: 90.1/38

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -5.888+/-50.462 χ^2/NDF:45.0/34

Out: -152.644+/-45.846 χ^2/NDF:72.8/38

All: -86.284+/-33.933 χ^2/NDF: 122.4/73



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.154+/-0.046 χ^2/NDF:820023.2/19

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

Left: 259.517+/-0.033 χ^2/NDF: 1492337.1/38

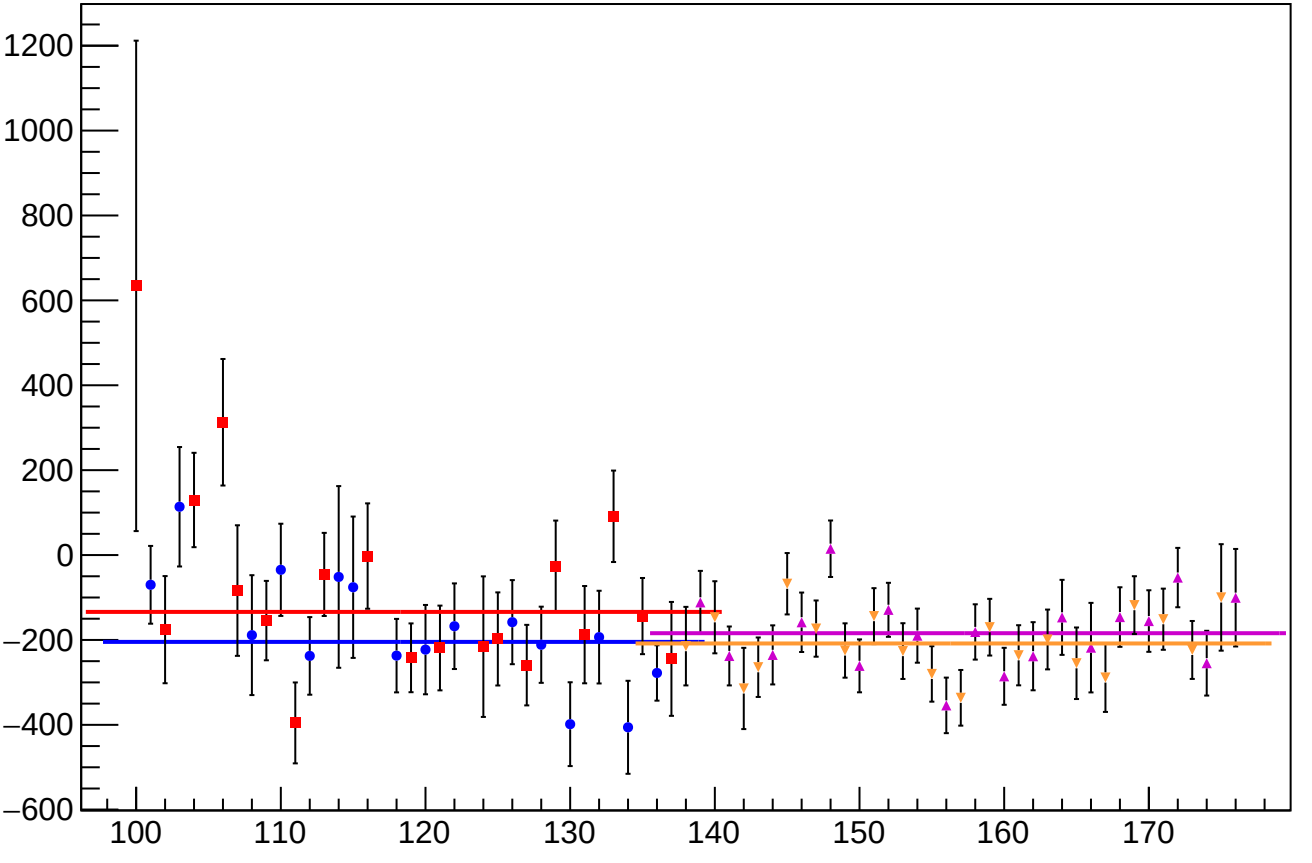
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.938+/-0.036 χ^2/NDF:6908006.9/34

Out: 196.736+/-0.032 χ^2/NDF:9263187.1/38

All: 207.680+/-0.024 χ^2/NDF: 16423215.0/73

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -184.093+/-16.472 χ^2/NDF:28.6/18

Left: -196.315+/-11.585 χ^2/NDF: 47.2/38

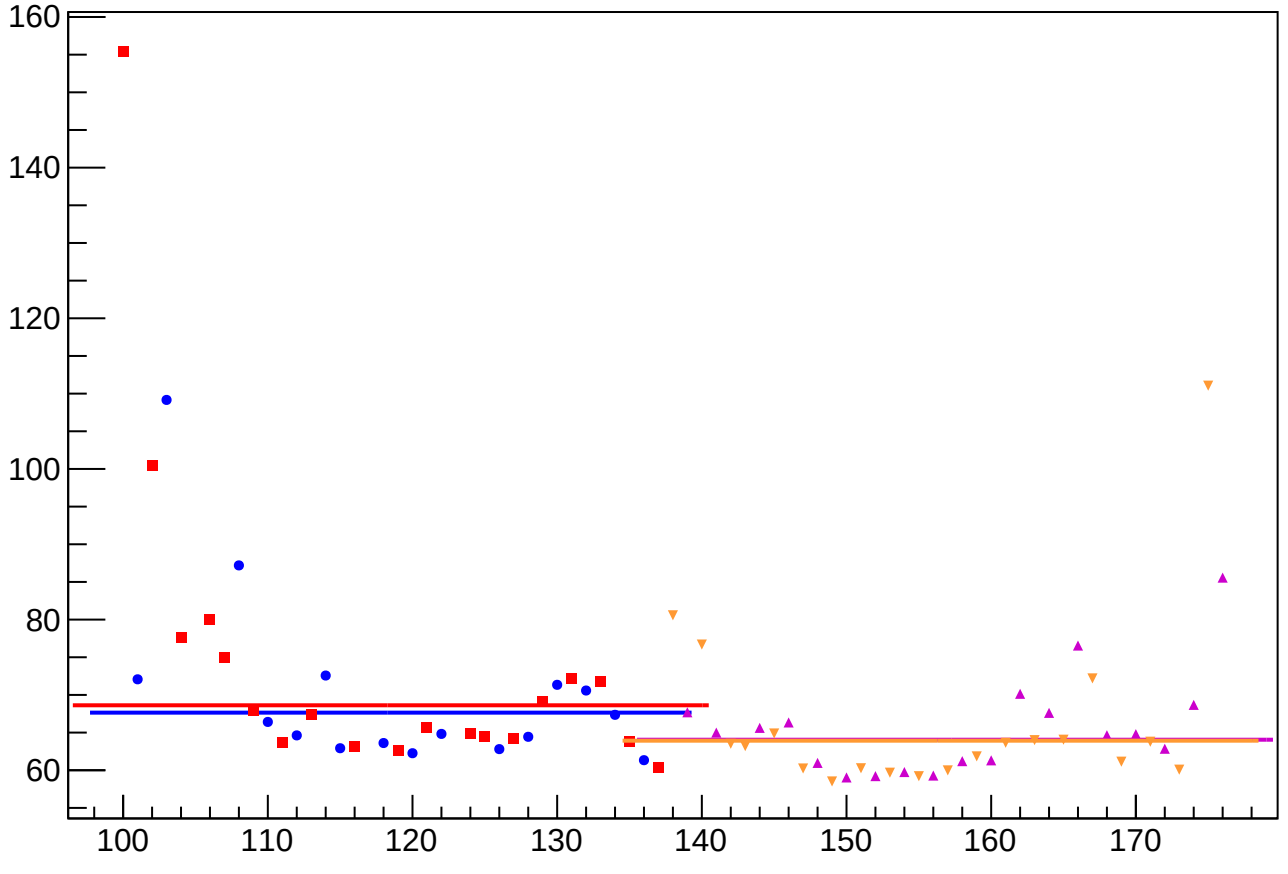
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -190.116+/-13.840 χ^2/NDF:49.0/34

Out: -186.697+/-13.729 χ^2/NDF:60.8/38

All: -188.393+/-9.747 χ^2/NDF: 109.9/73

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478058.6/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.053+/-0.012 χ^2/NDF:185246.7/18

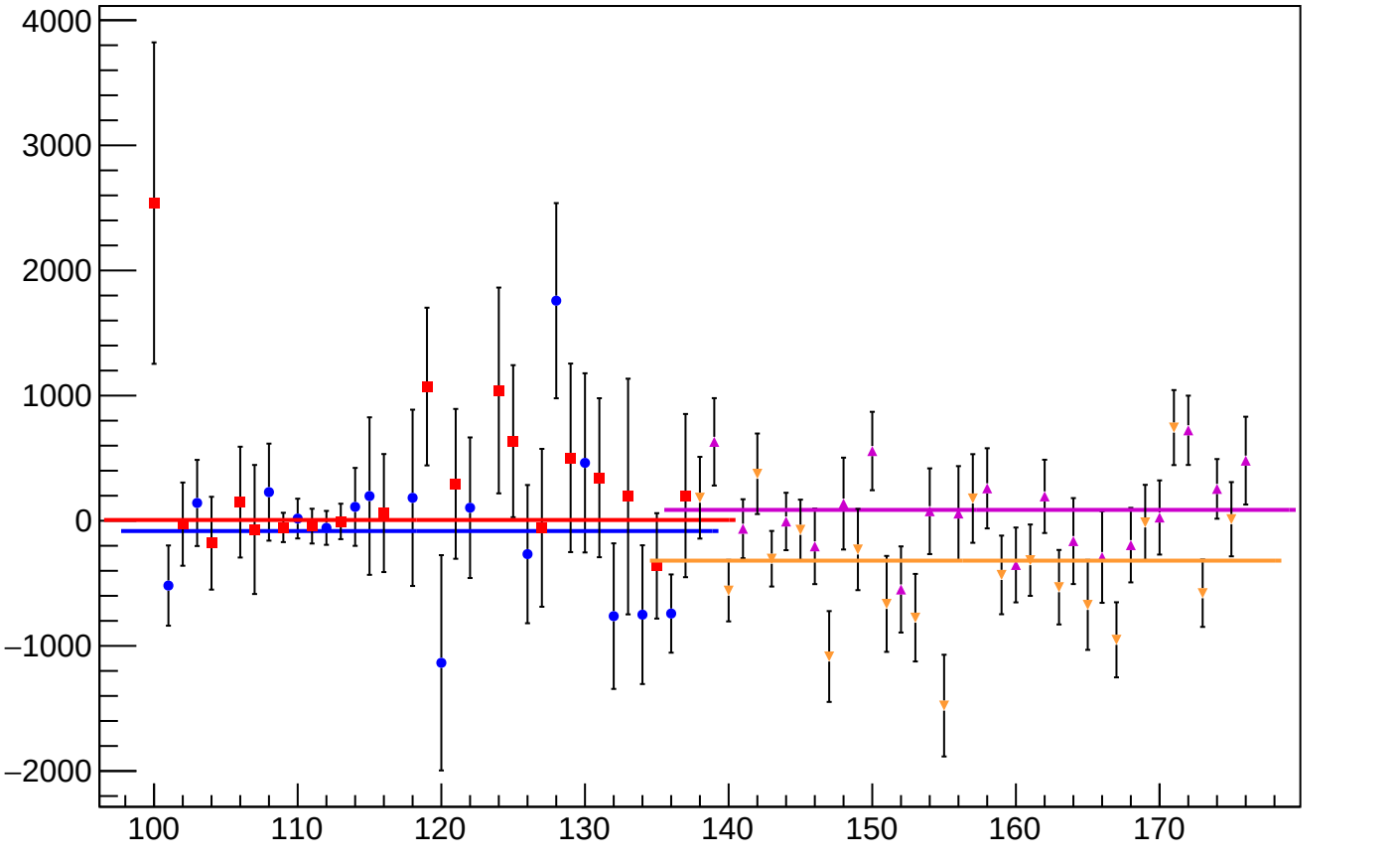
Left: 63.988+/-0.008 χ^2/NDF: 663366.7/38

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.110+/-0.010 χ^2/NDF:476912.8/34

Out: 65.289+/-0.010 χ^2/NDF:774486.4/38

All: 65.200+/-0.007 χ^2/NDF: 1251567.3/73



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.663+/-69.391 χ^2/NDF:21.8/18

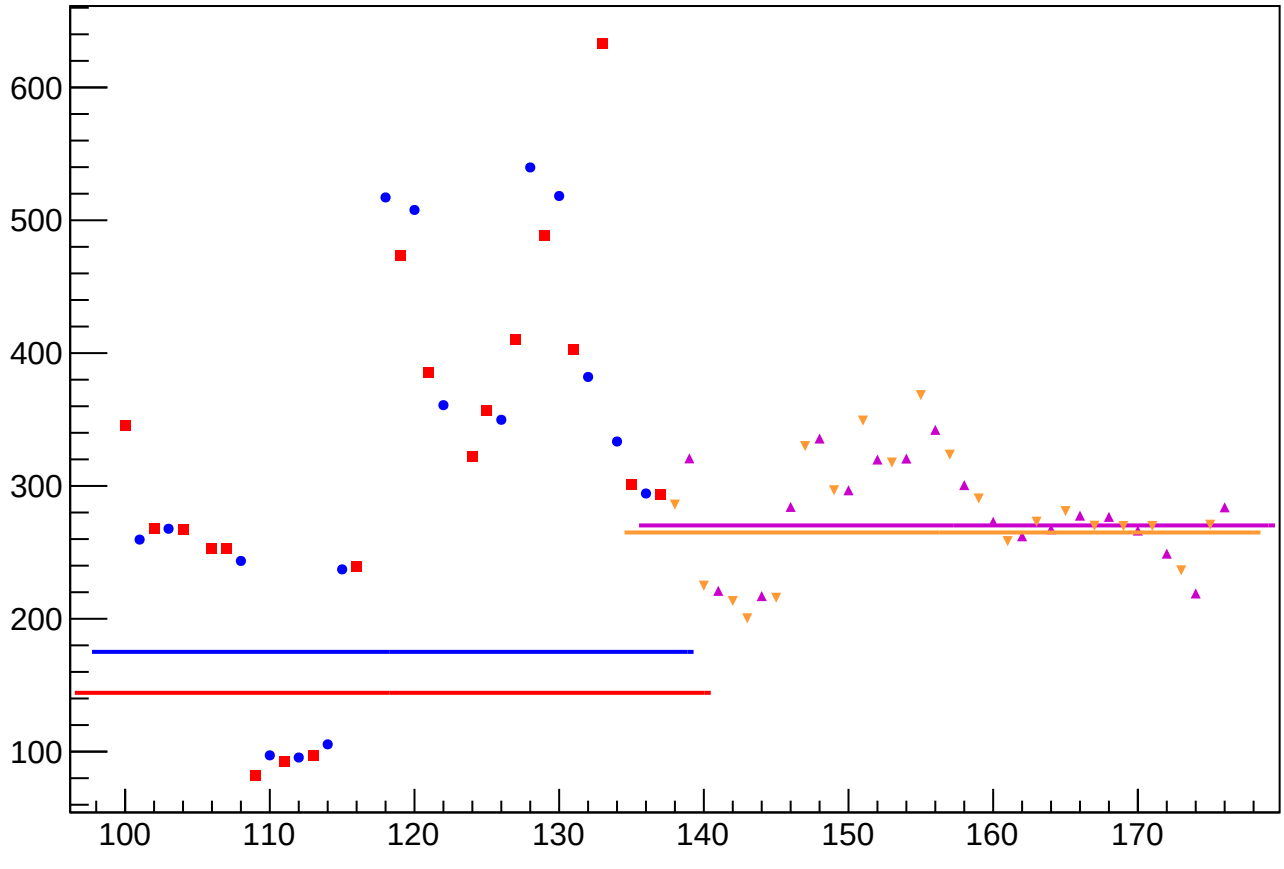
Left: -121.483+/-48.407 χ^2/NDF: 87.3/38

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 12.767+/-52.041 χ^2/NDF:43.6/34

Out: -152.349+/-47.178 χ^2/NDF:71.9/38

All: -77.864+/-34.953 χ^2/NDF: 121.0/73



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.977+/-0.048 χ^2/NDF:819110.3/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 270.284+/-0.049 χ^2/NDF:604777.5/18

Left: 267.560+/-0.034 χ^2/NDF: 1429894.7/38

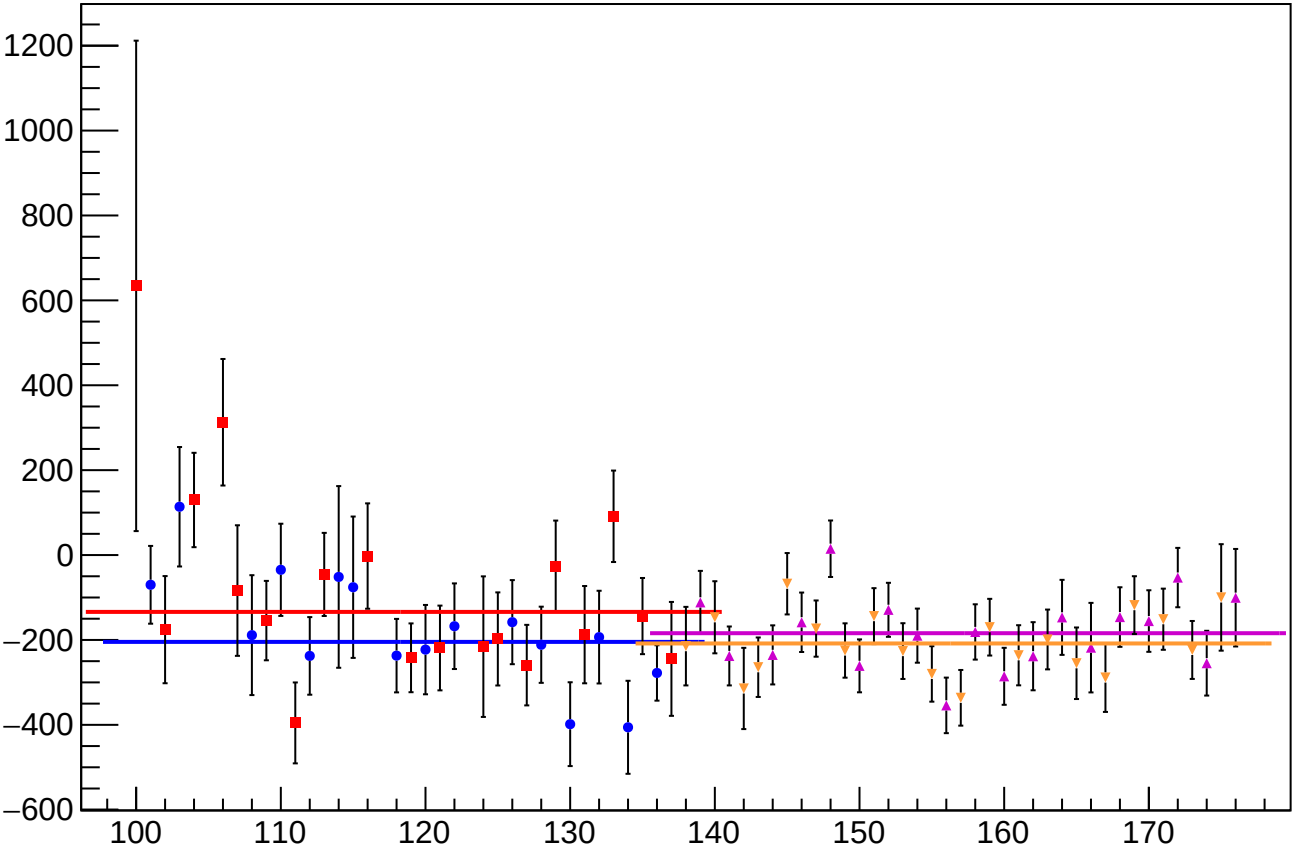
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 228.637+/-0.037 χ^2/NDF:6680413.3/34

Out: 203.134+/-0.033 χ^2/NDF:9222209.4/38

All: 214.639+/-0.025 χ^2/NDF: 16166271.5/73

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -208.278+/-16.297 χ^2/NDF:17.6/19

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -184.095+/-16.472 χ^2/NDF:28.6/18

Left: -196.316+/-11.585 χ^2/NDF: 47.2/38

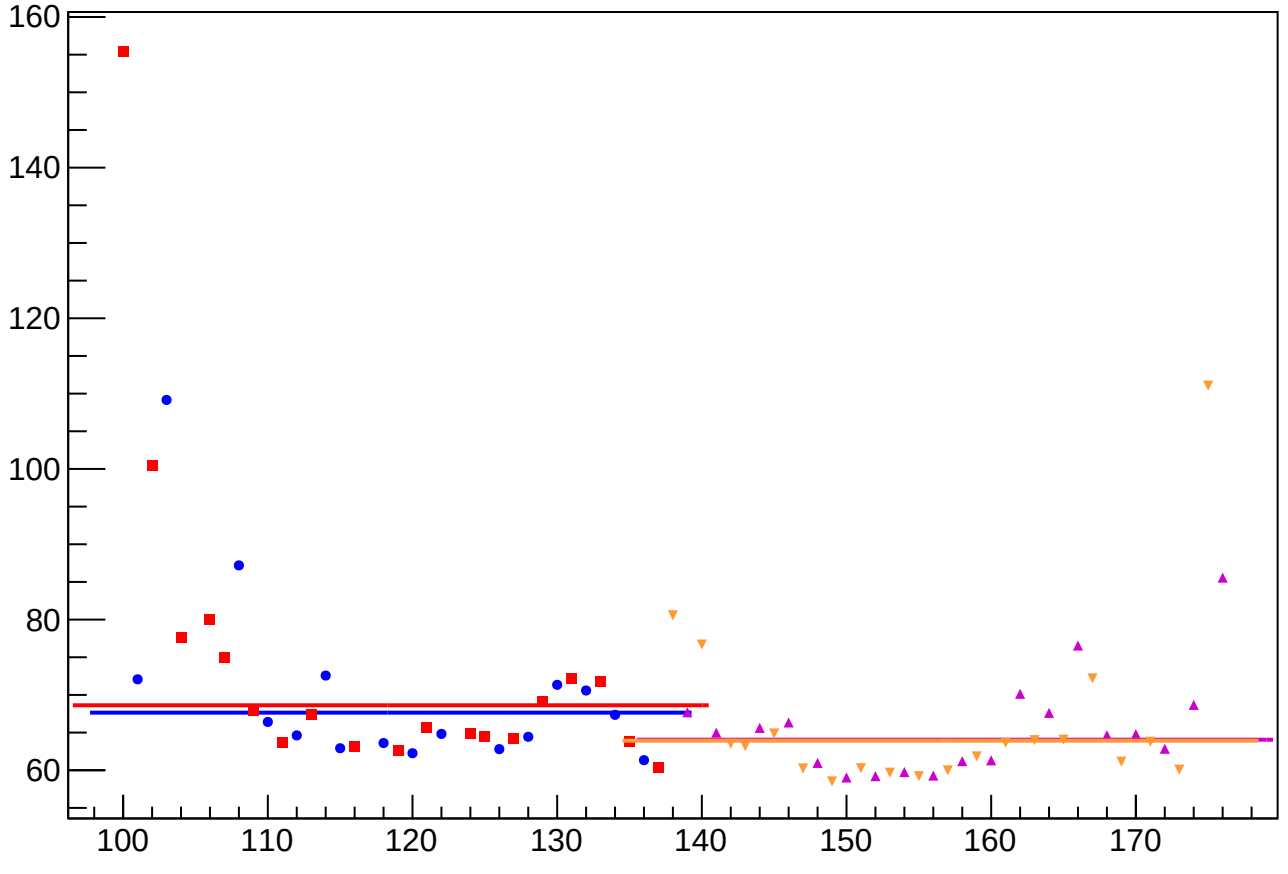
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -190.117+/-13.840 χ^2/NDF:49.0/34

Out: -186.697+/-13.729 χ^2/NDF:60.8/38

All: -188.393+/-9.747 χ^2/NDF: 109.9/73

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.925+/-0.012 χ^2/NDF:478057.8/19

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.053+/-0.012 χ^2/NDF:185245.4/18

Left: 63.989+/-0.008 χ^2/NDF: 663364.6/38

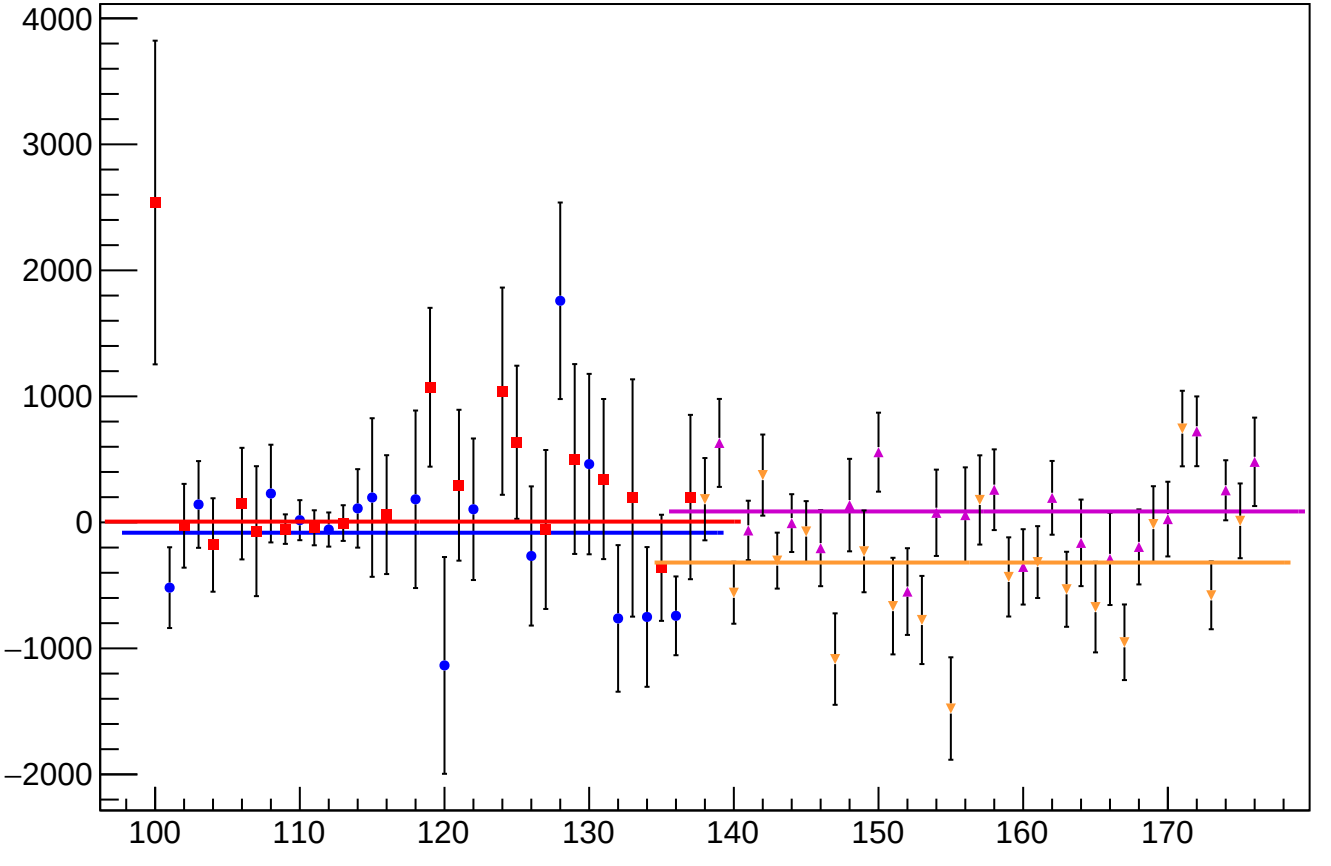
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.110+/-0.010 χ^2/NDF:476907.2/34

Out: 65.289+/-0.010 χ^2/NDF:774482.3/38

All: 65.200+/-0.007 χ^2/NDF: 1251557.5/73

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -318.795+/-67.561 χ^2/NDF:48.0/19

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.662+/-69.391 χ^2/NDF:21.8/18

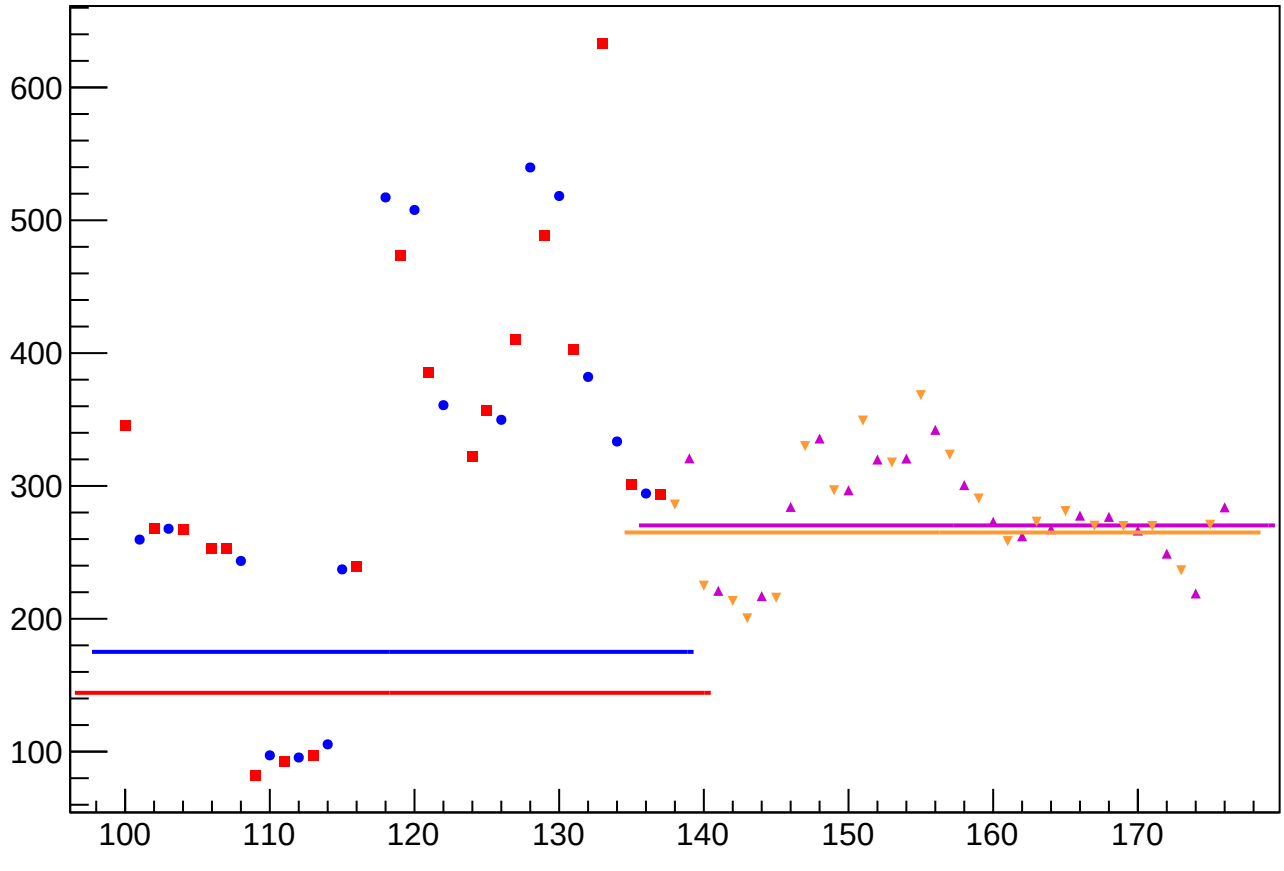
Left: -121.482+/-48.407 χ^2/NDF: 87.3/38

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 12.767+/-52.041 χ^2/NDF:43.6/34

Out: -152.349+/-47.178 χ^2/NDF:71.9/38

All: -77.864+/-34.953 χ^2/NDF: 121.0/73



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.976+/-0.048 χ^2/NDF:819119.7/19

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 270.283+/-0.049 χ^2/NDF:604782.6/18

Left: 267.559+/-0.034 χ^2/NDF: 1429909.4/38

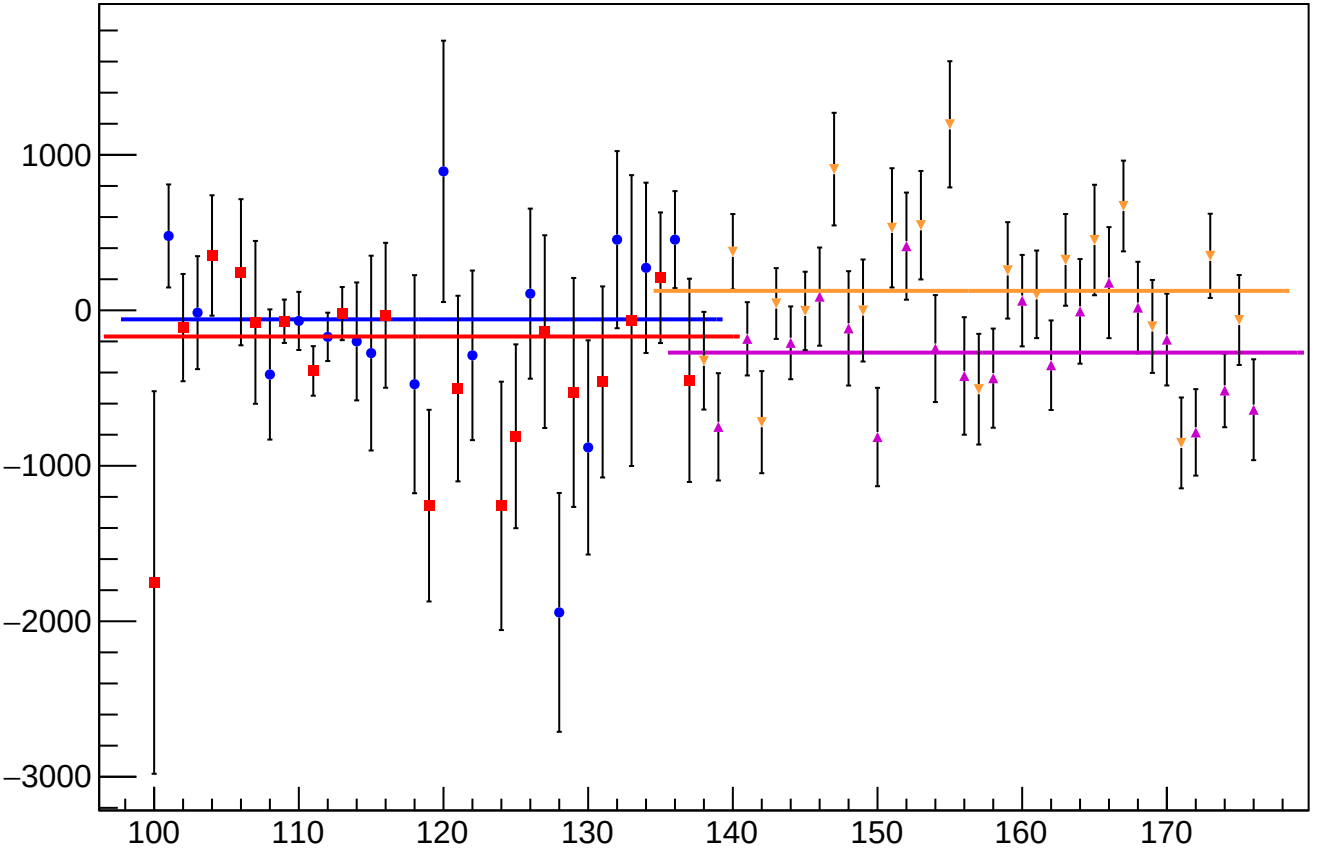
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 228.636+/-0.037 χ^2/NDF:6680471.5/34

Out: 203.133+/-0.033 χ^2/NDF:9222180.4/38

All: 214.638+/-0.025 χ^2/NDF: 16166288.7/73

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 125.280+/-67.429 χ^2/NDF:45.5/19

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -271.928+/-69.115 χ^2/NDF:21.3/18

Left: -68.421+/-48.264 χ^2/NDF: 83.8/38

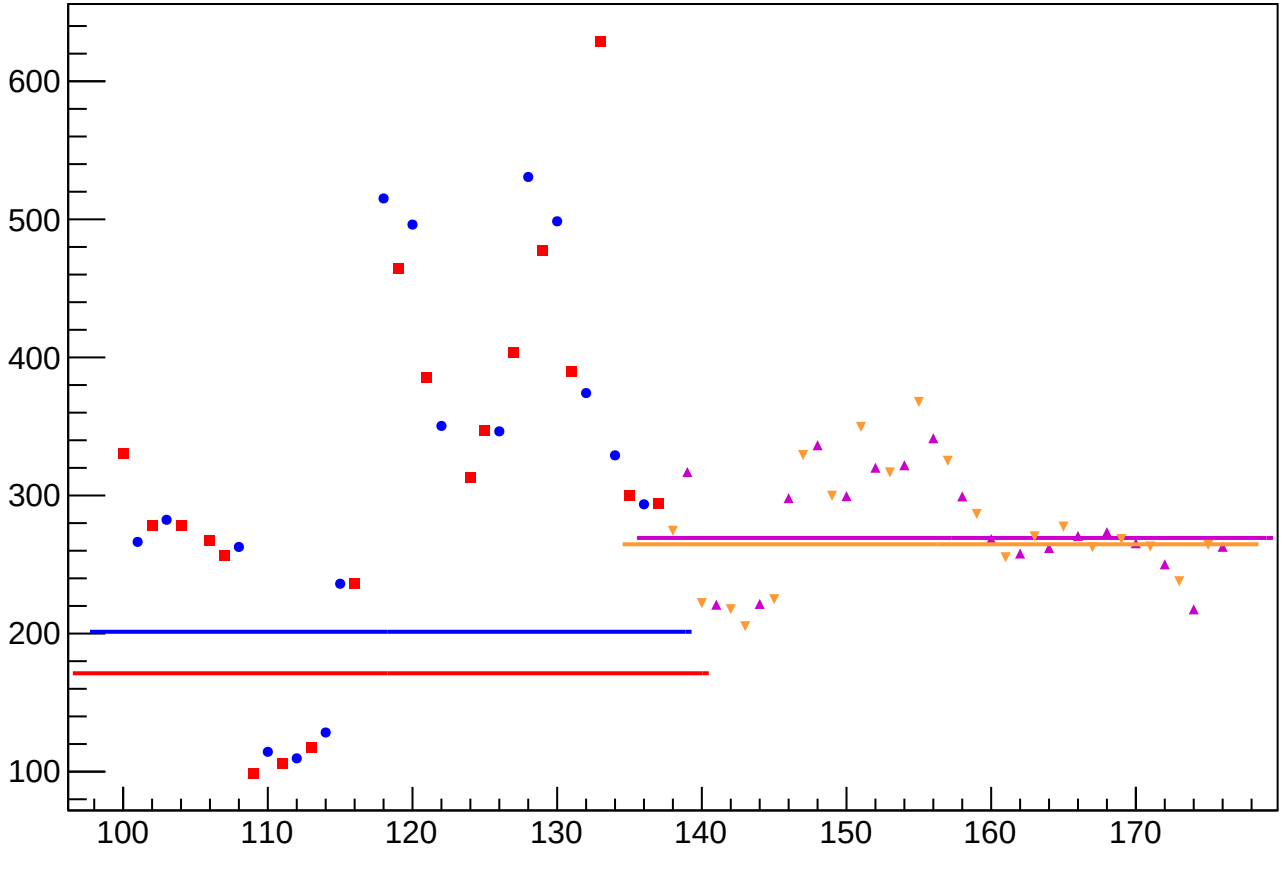
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -189.016+/-54.090 χ^2/NDF:42.4/34

Out: -6.739+/-50.022 χ^2/NDF:69.6/38

All: -90.767+/-36.725 χ^2/NDF: 118.1/73

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.669+/-0.048 χ^2/NDF:741981.5/19

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.257+/-0.049 χ^2/NDF:599175.1/18

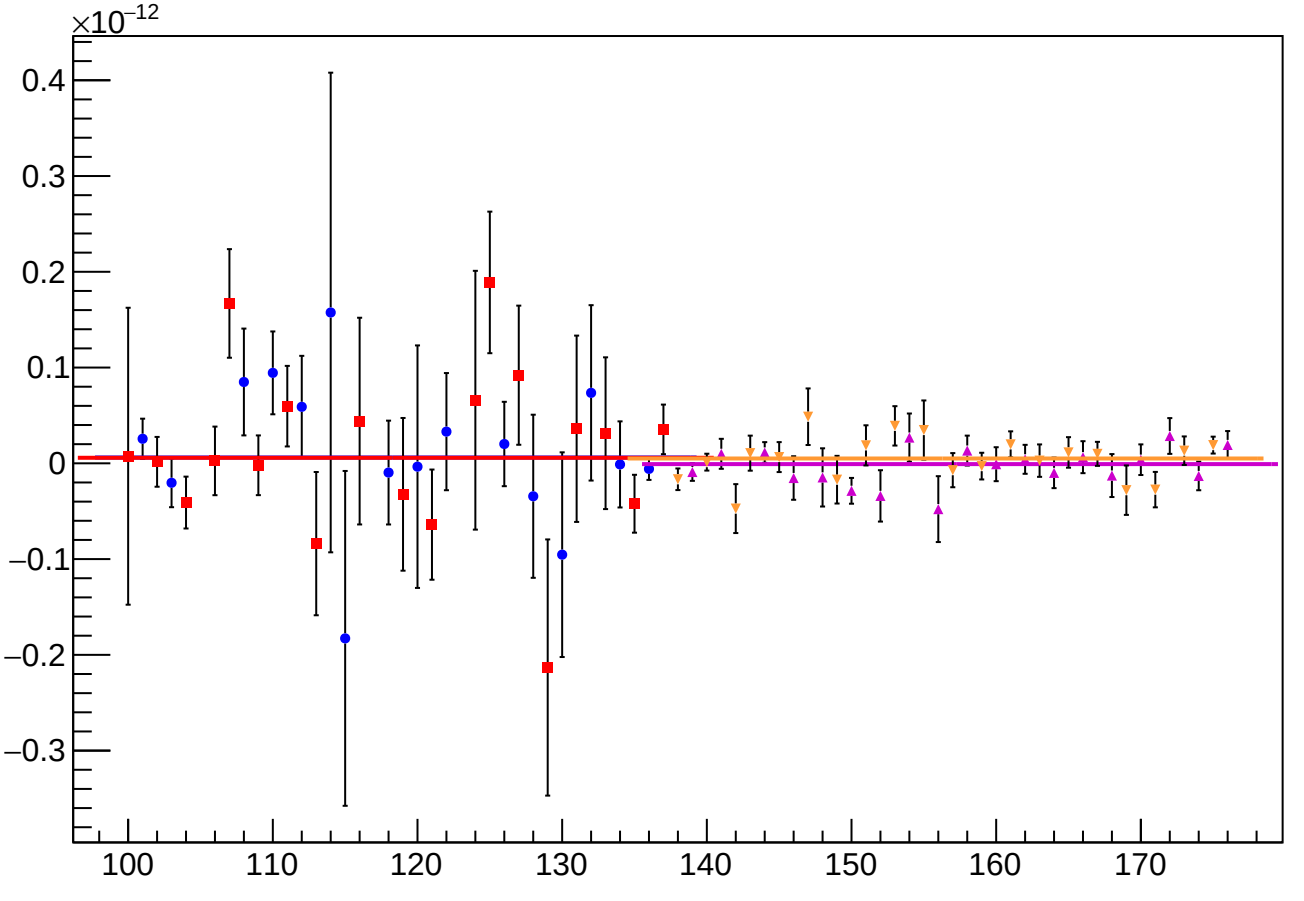
Left: 266.906+/-0.034 χ^2/NDF: 1345671.6/38

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 242.923+/-0.038 χ^2/NDF:4920625.5/34

Out: 222.664+/-0.035 χ^2/NDF:6660646.9/38

All: 232.003+/-0.026 χ^2/NDF: 11732504.2/73



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

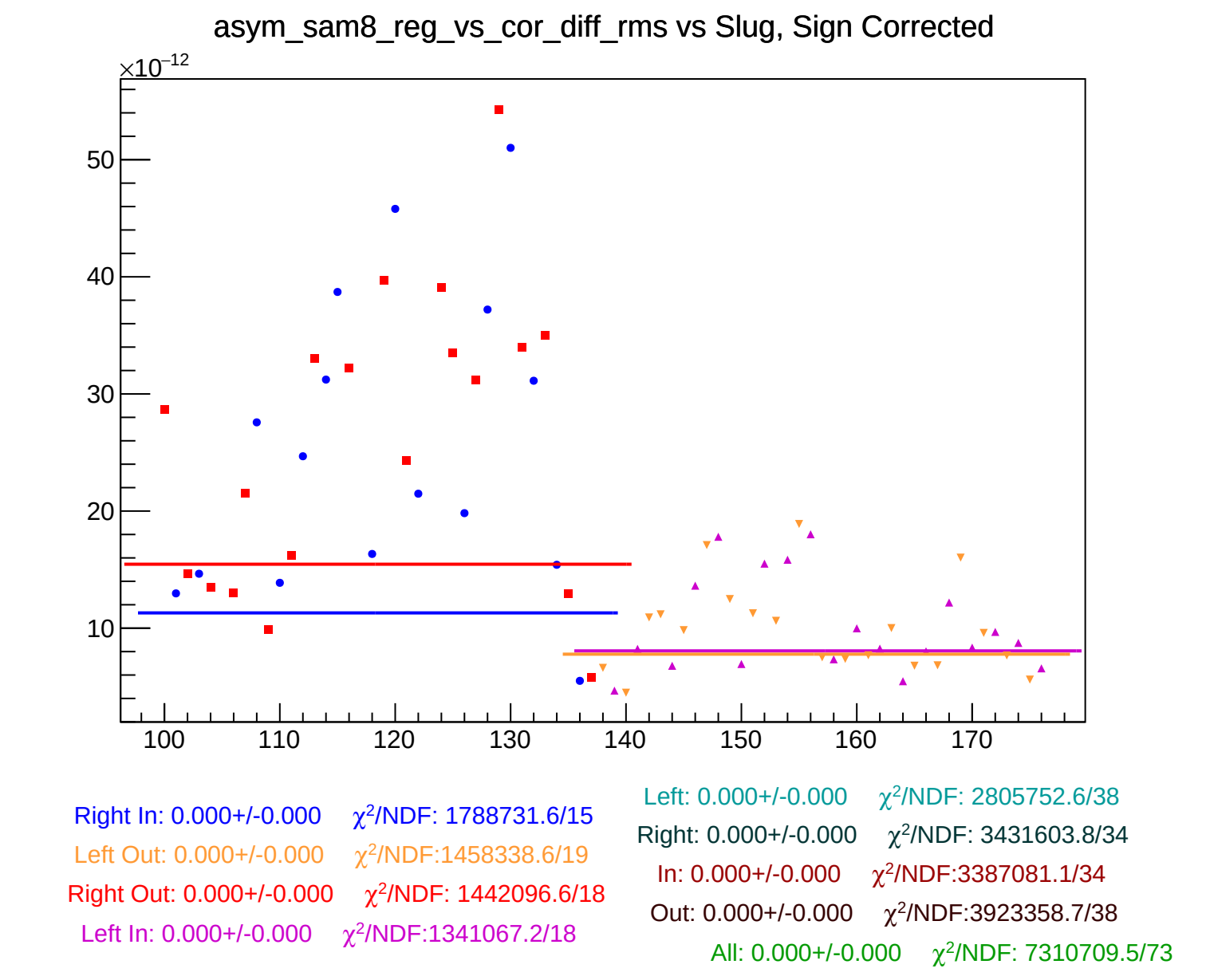
Left: 0.000+/-0.000 χ^2/NDF: 45.4/38

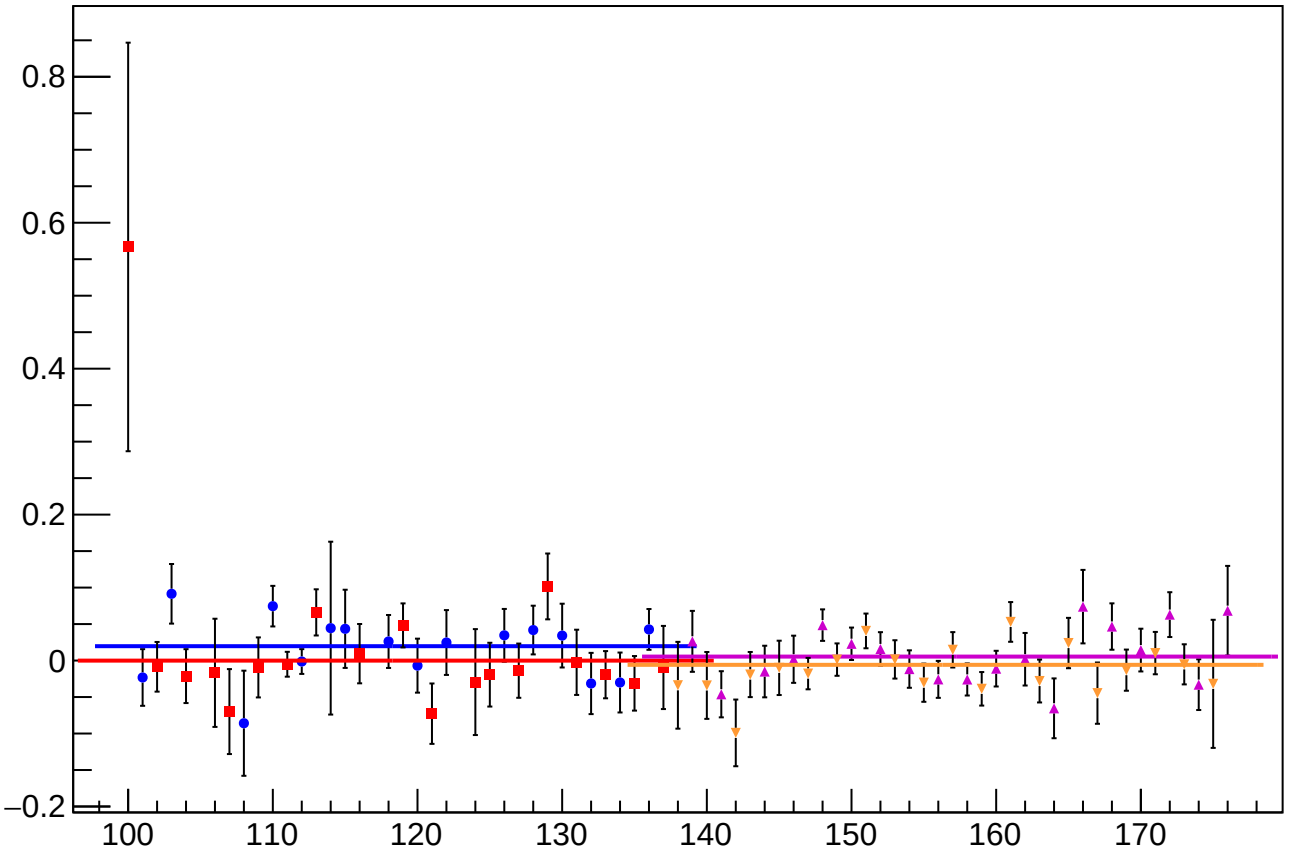
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:33.3/34

Out: 0.000+/-0.000 χ^2/NDF:55.6/38

All: 0.000+/-0.000 χ^2/NDF: 90.0/73


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:1458338.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1341067.2/18
Left: 0.000+/-0.000 χ²/NDF: 2805752.6/38
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3387081.1/34
Out: 0.000+/-0.000 χ²/NDF:3923358.7/38
All: 0.000+/-0.000 χ²/NDF: 7310709.5/73



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

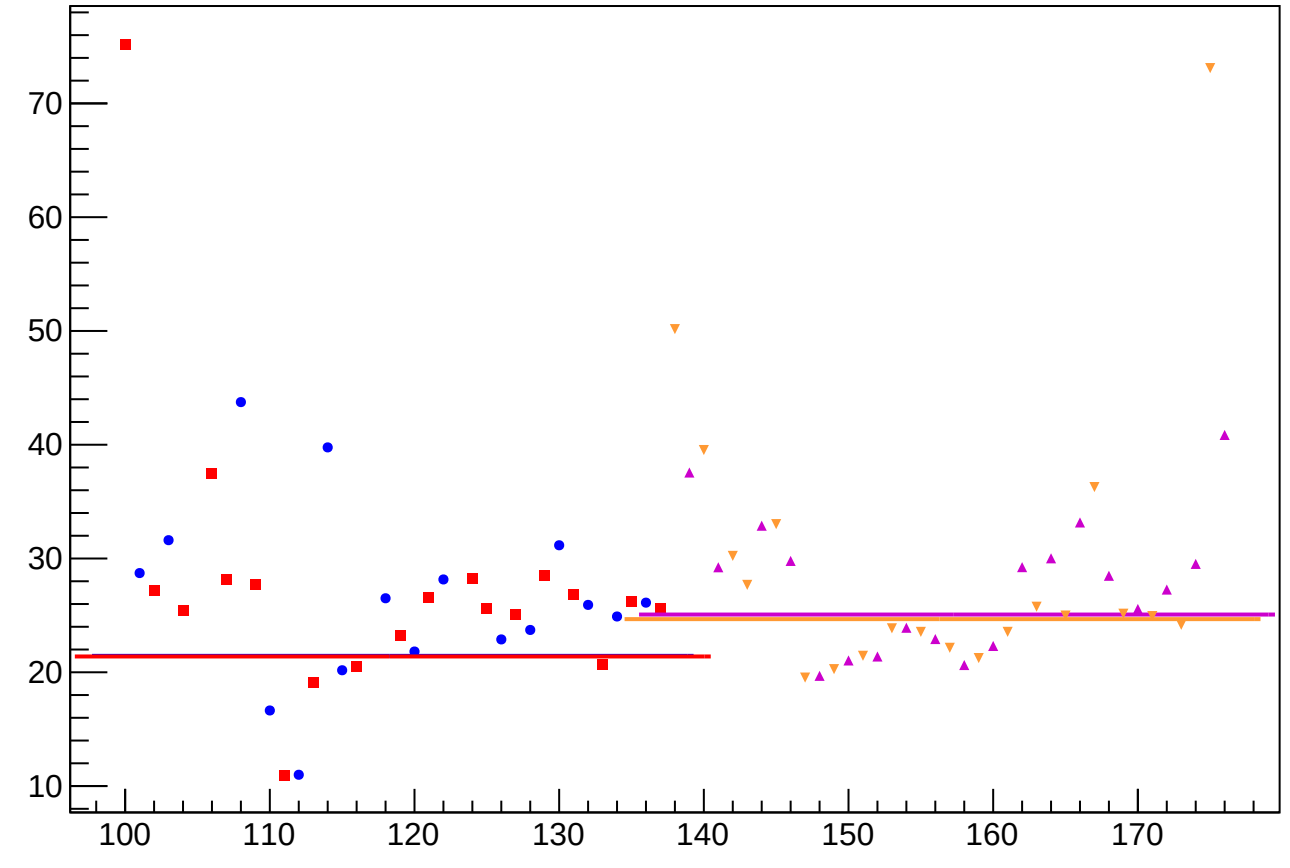
Left: -0.000+/-0.005 χ^2/NDF: 46.6/38

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 90.8/73



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

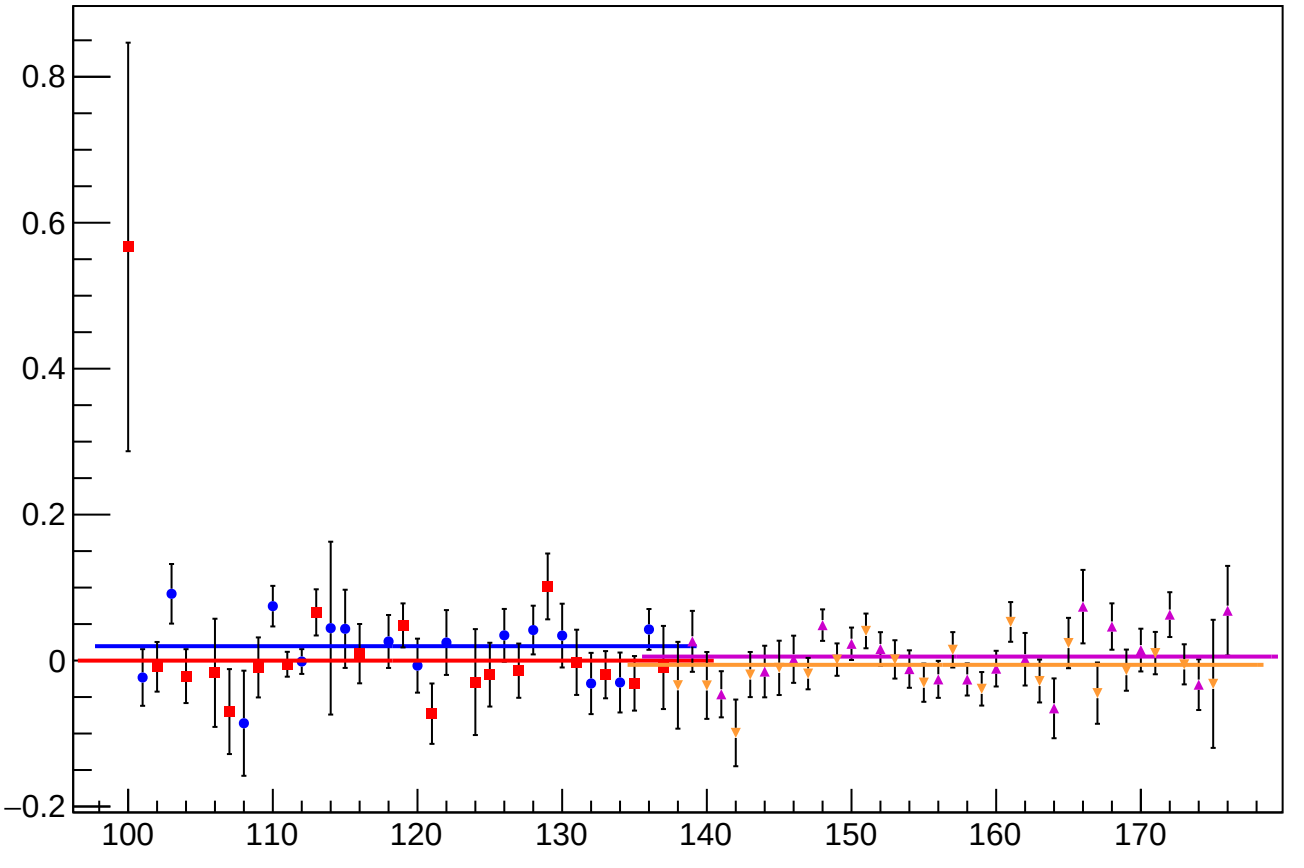
Left: 24.868+/-0.003 χ^2/NDF: 2827061.7/38

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.720+/-0.004 χ^2/NDF:2786427.1/34

Out: 23.449+/-0.004 χ^2/NDF:3295489.8/38

All: 23.581+/-0.003 χ^2/NDF: 6084576.9/73



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

Left: -0.000+/-0.005 χ^2/NDF: 46.6/38

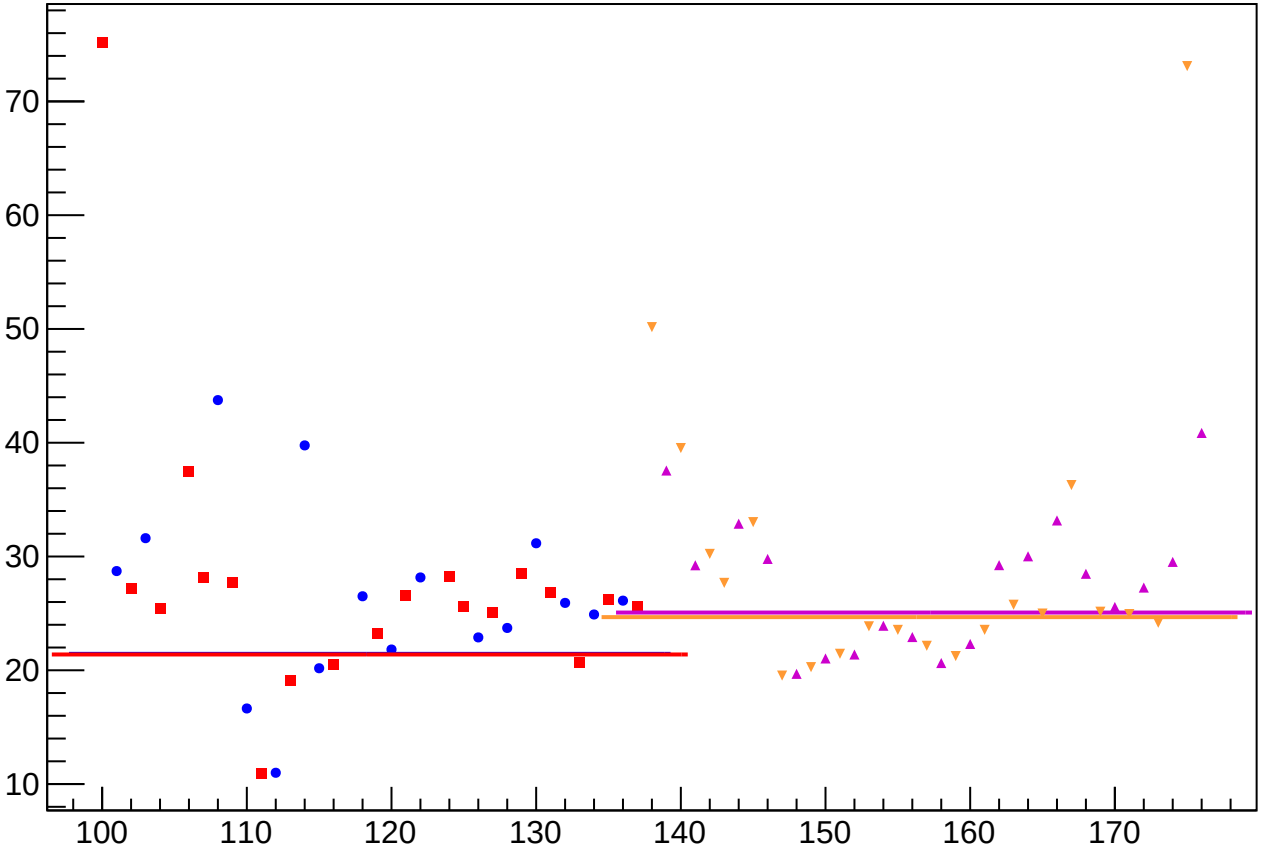
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 90.8/73

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.0/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

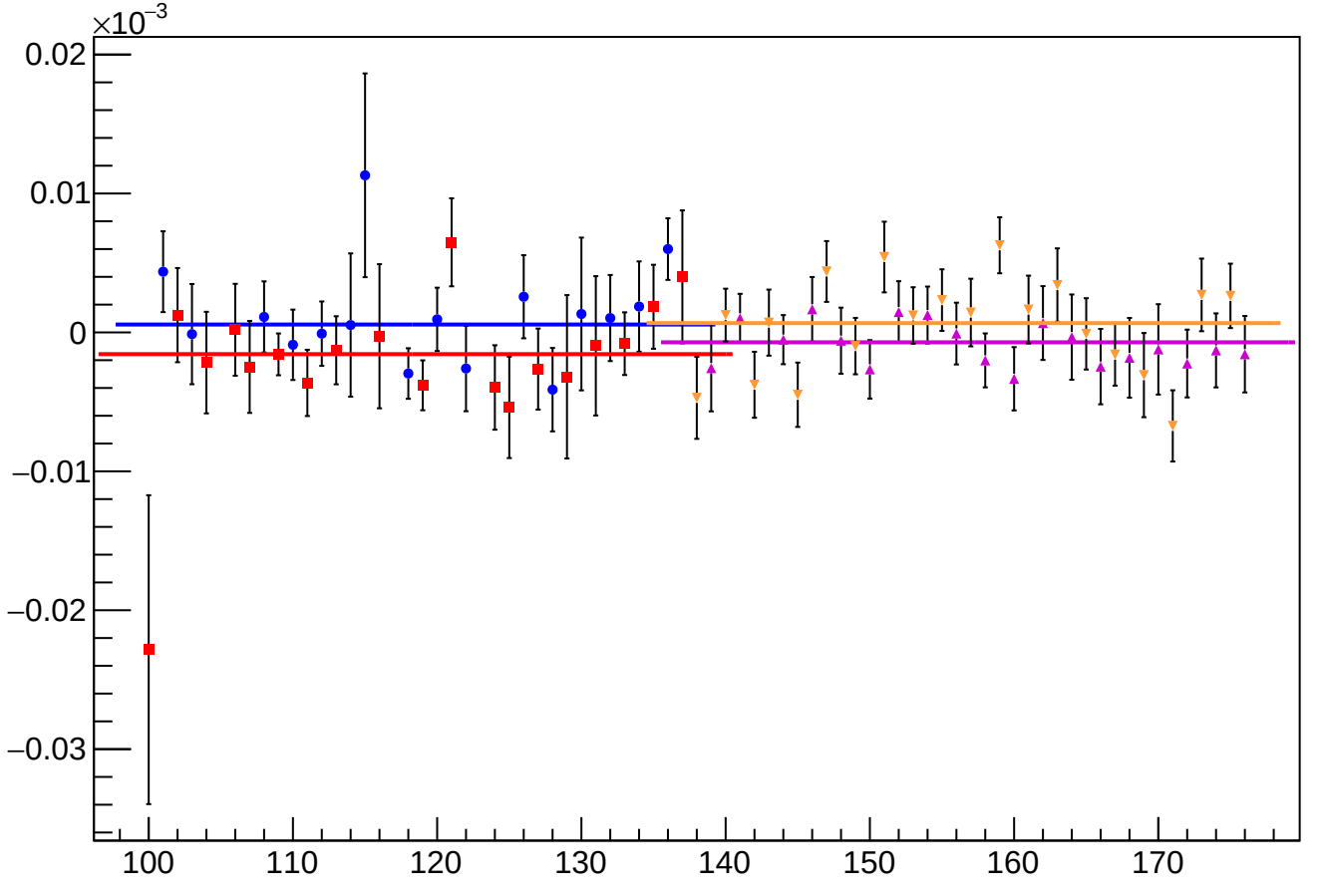
Left: 24.868+/-0.003 χ^2/NDF: 2827061.7/38

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.720+/-0.004 χ^2/NDF:2786427.1/34

Out: 23.449+/-0.004 χ^2/NDF:3295489.8/38

All: 23.581+/-0.003 χ^2/NDF: 6084576.9/73



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/18

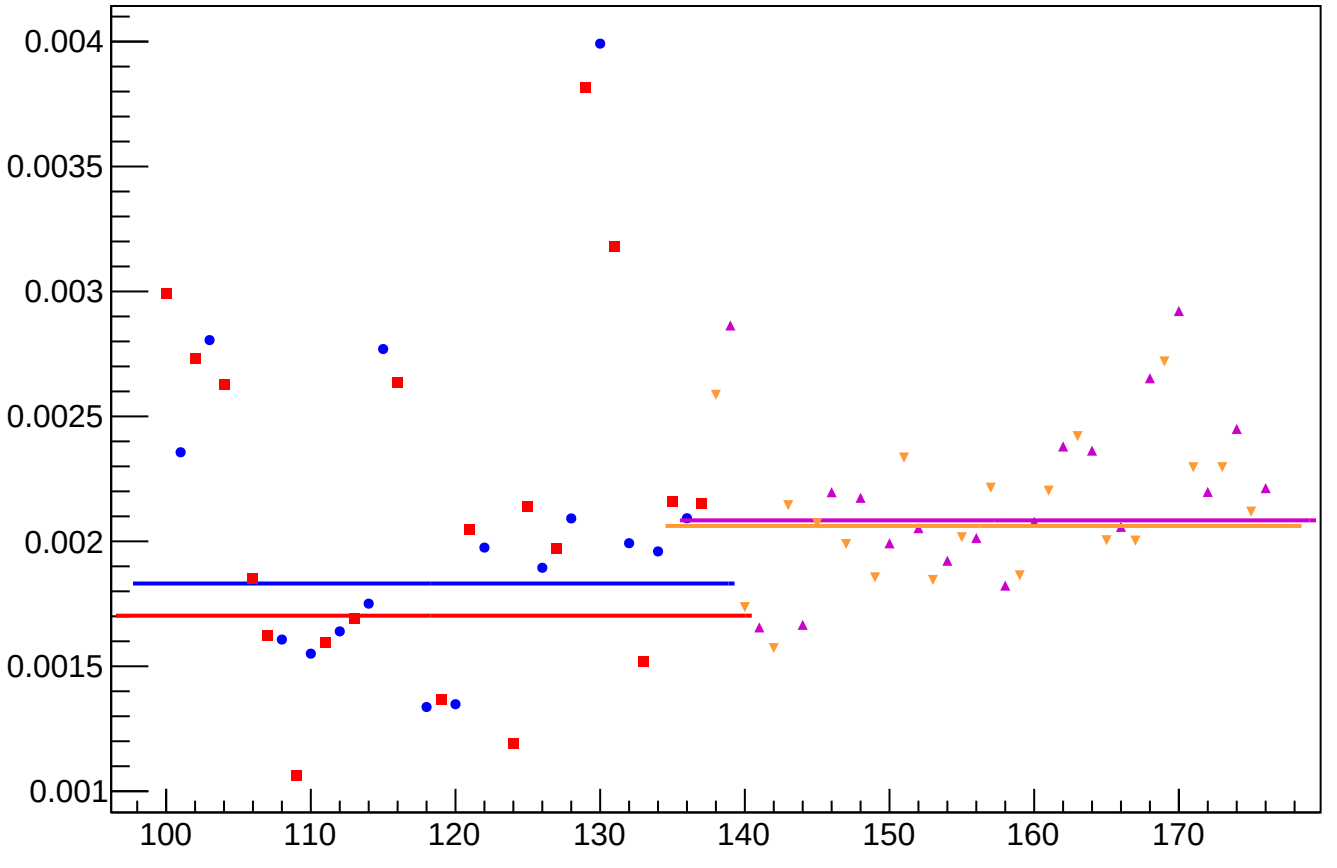
Left: -0.000+/-0.000 χ^2/NDF: 52.7/38

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:28.7/34

Out: -0.000+/-0.000 χ^2/NDF:66.2/38

All: -0.000+/-0.000 χ^2/NDF: 95.0/73



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:480364.8/19

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:716977.2/18

Left: 0.002+/-0.000 χ^2/NDF: 1199116.5/38

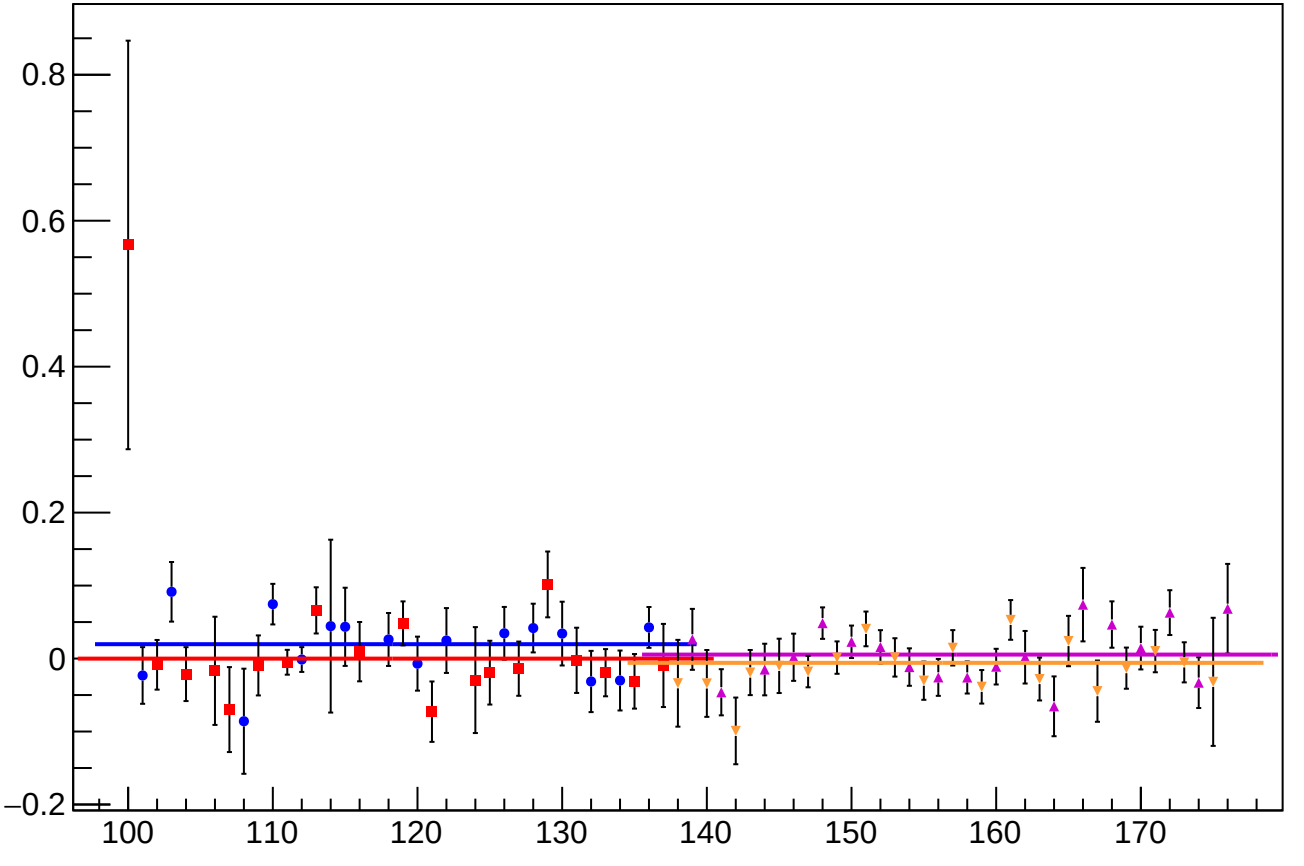
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1779664.1/34

Out: 0.002+/-0.000 χ^2/NDF:2322769.7/38

All: 0.002+/-0.000 χ^2/NDF: 4129330.9/73

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

Left: -0.000+/-0.005 χ^2/NDF: 46.6/38

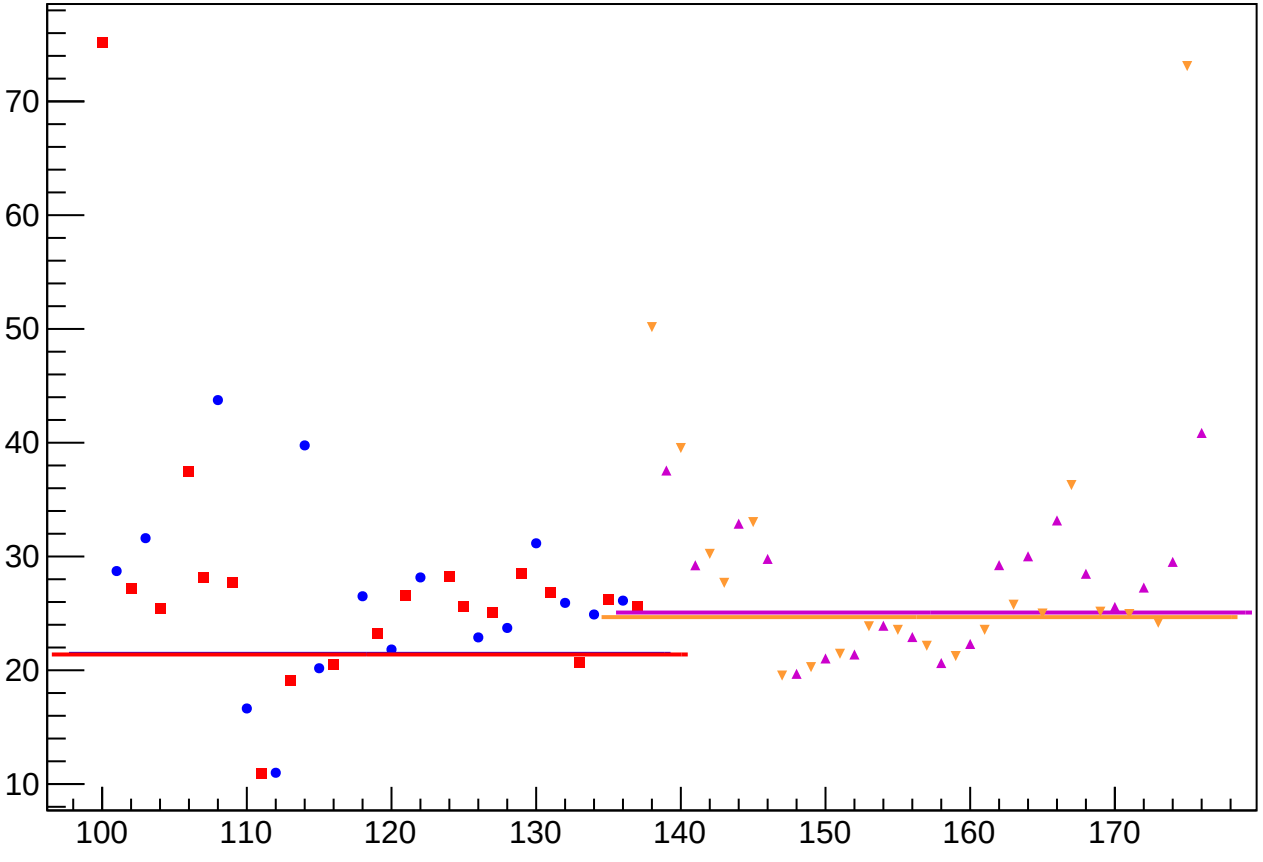
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 90.8/73

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

Left: 24.869+/-0.003 χ^2/NDF: 2827059.8/38

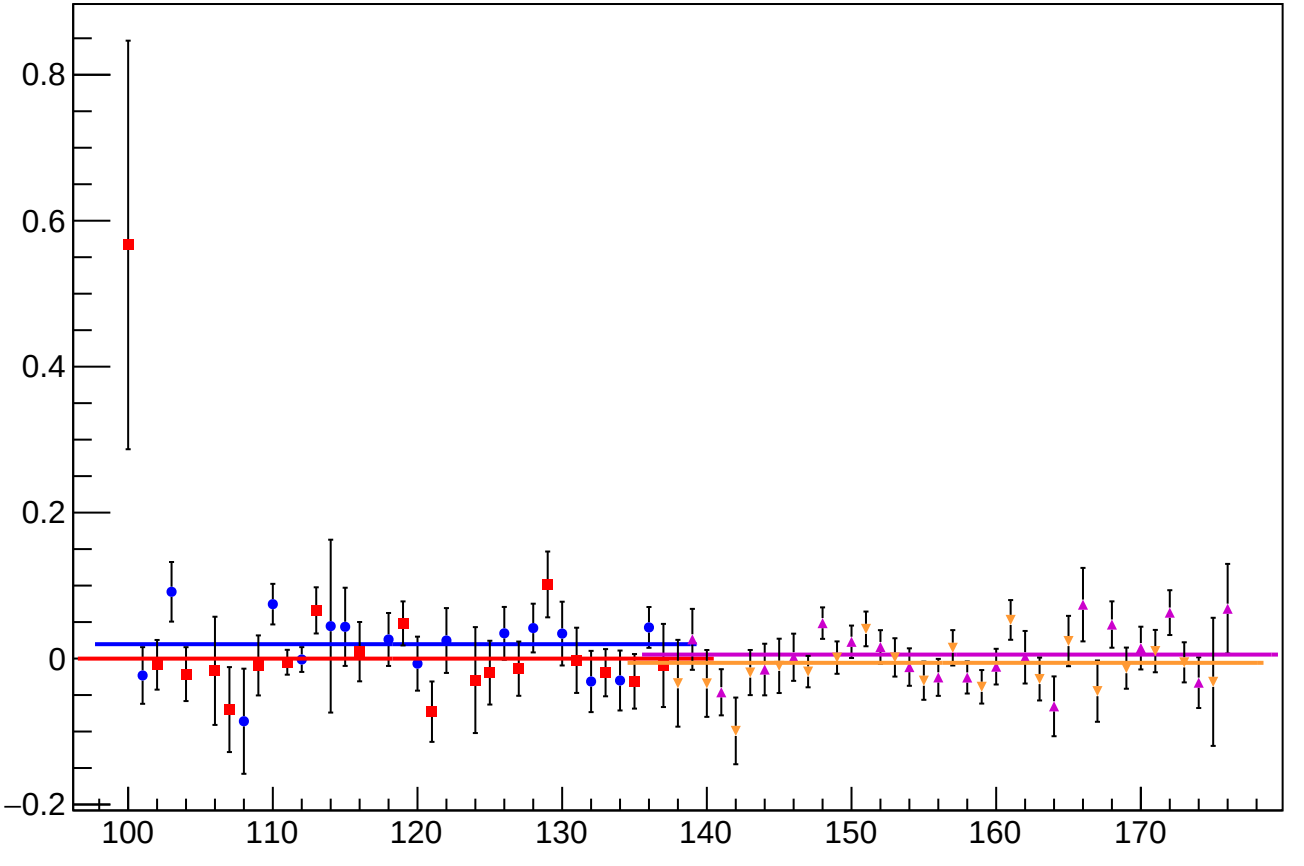
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.719+/-0.004 χ^2/NDF:2786674.1/34

Out: 23.449+/-0.004 χ^2/NDF:3295703.2/38

All: 23.581+/-0.003 χ^2/NDF: 6085037.4/73

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:20.2/19

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

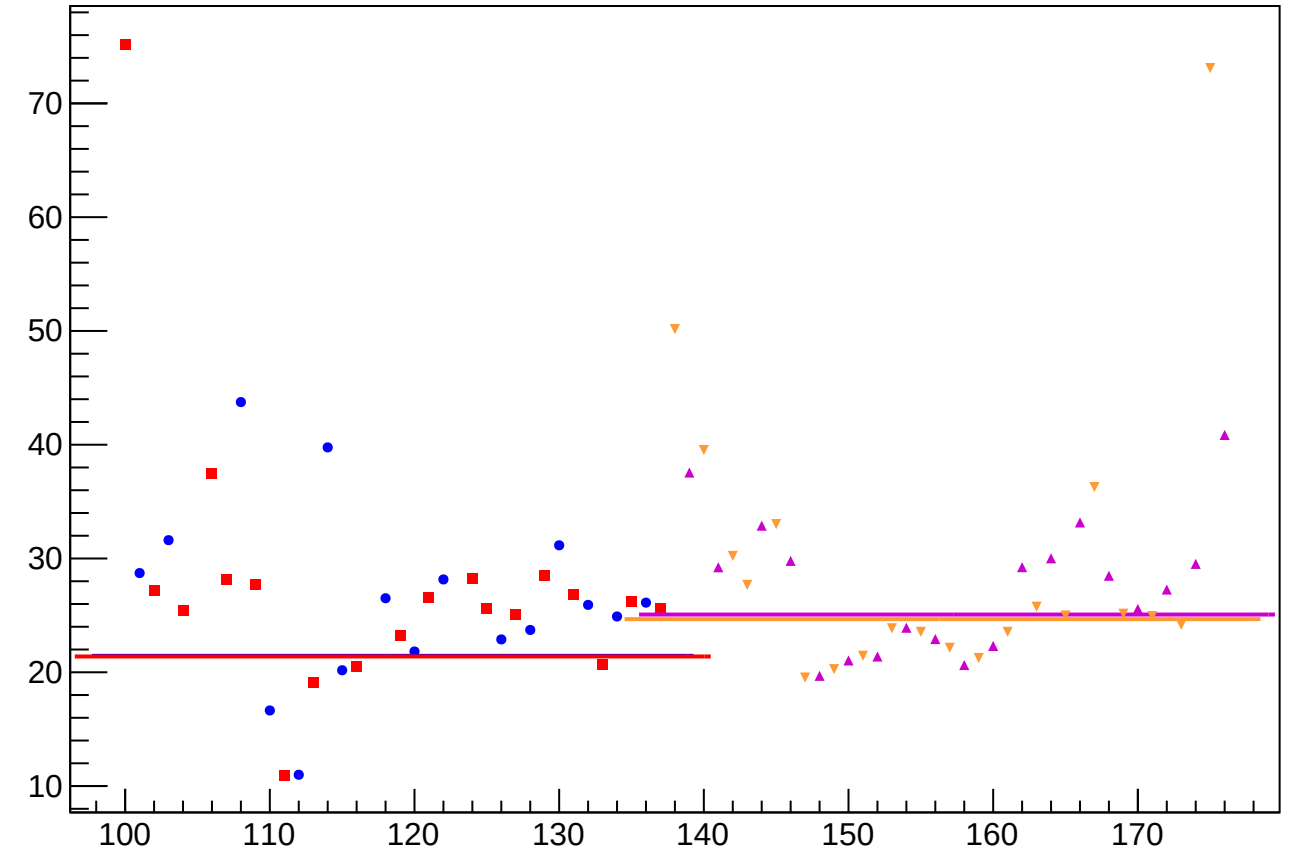
Left: -0.000+/-0.005 χ^2/NDF: 46.6/38

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.4/38

All: 0.003+/-0.004 χ^2/NDF: 90.8/73



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.672+/-0.005 χ^2/NDF:1796739.2/19

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

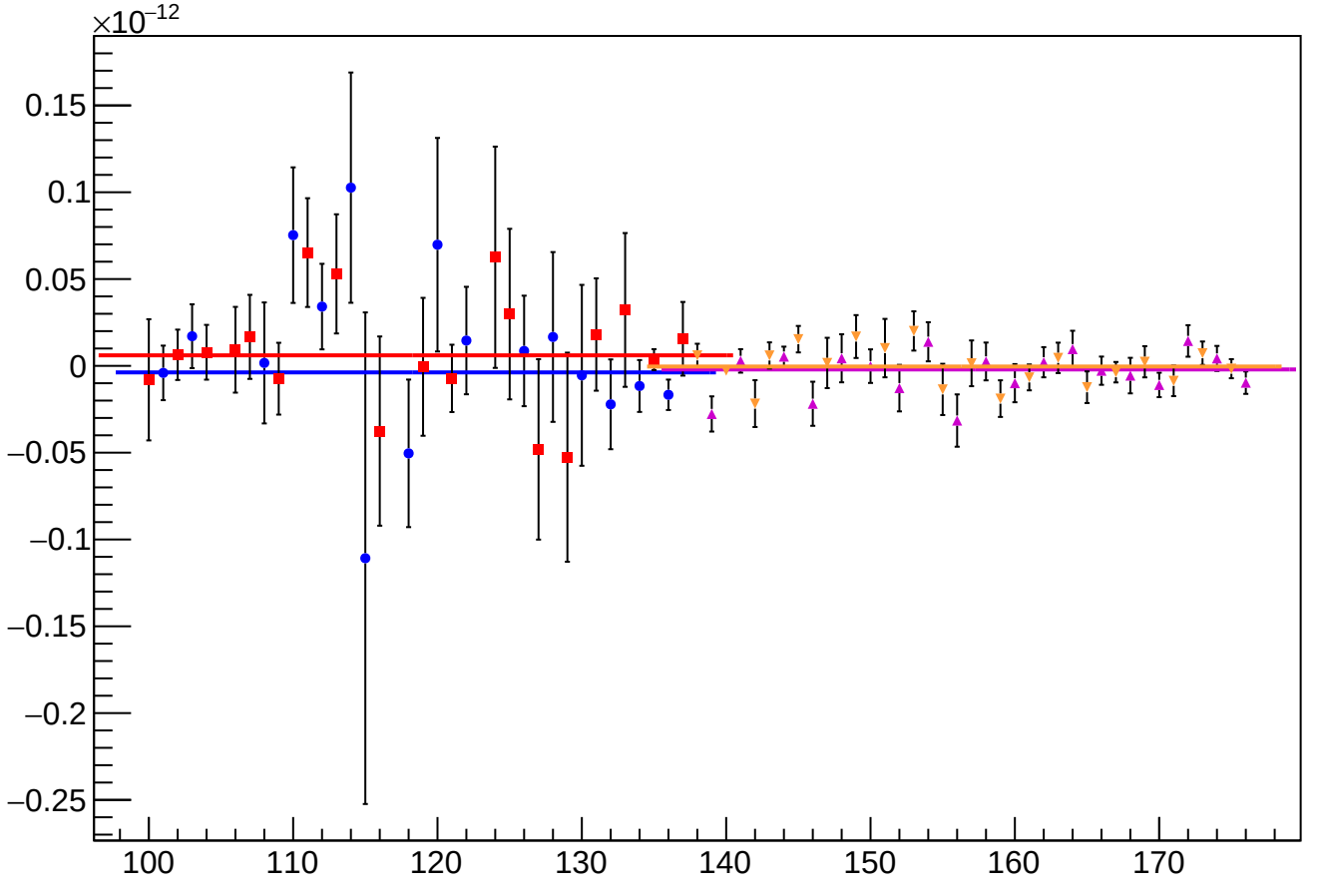
Left: 24.869+/-0.003 χ^2/NDF: 2827059.8/38

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.719+/-0.004 χ^2/NDF:2786674.1/34

Out: 23.449+/-0.004 χ^2/NDF:3295703.2/38

All: 23.581+/-0.003 χ^2/NDF: 6085037.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/18

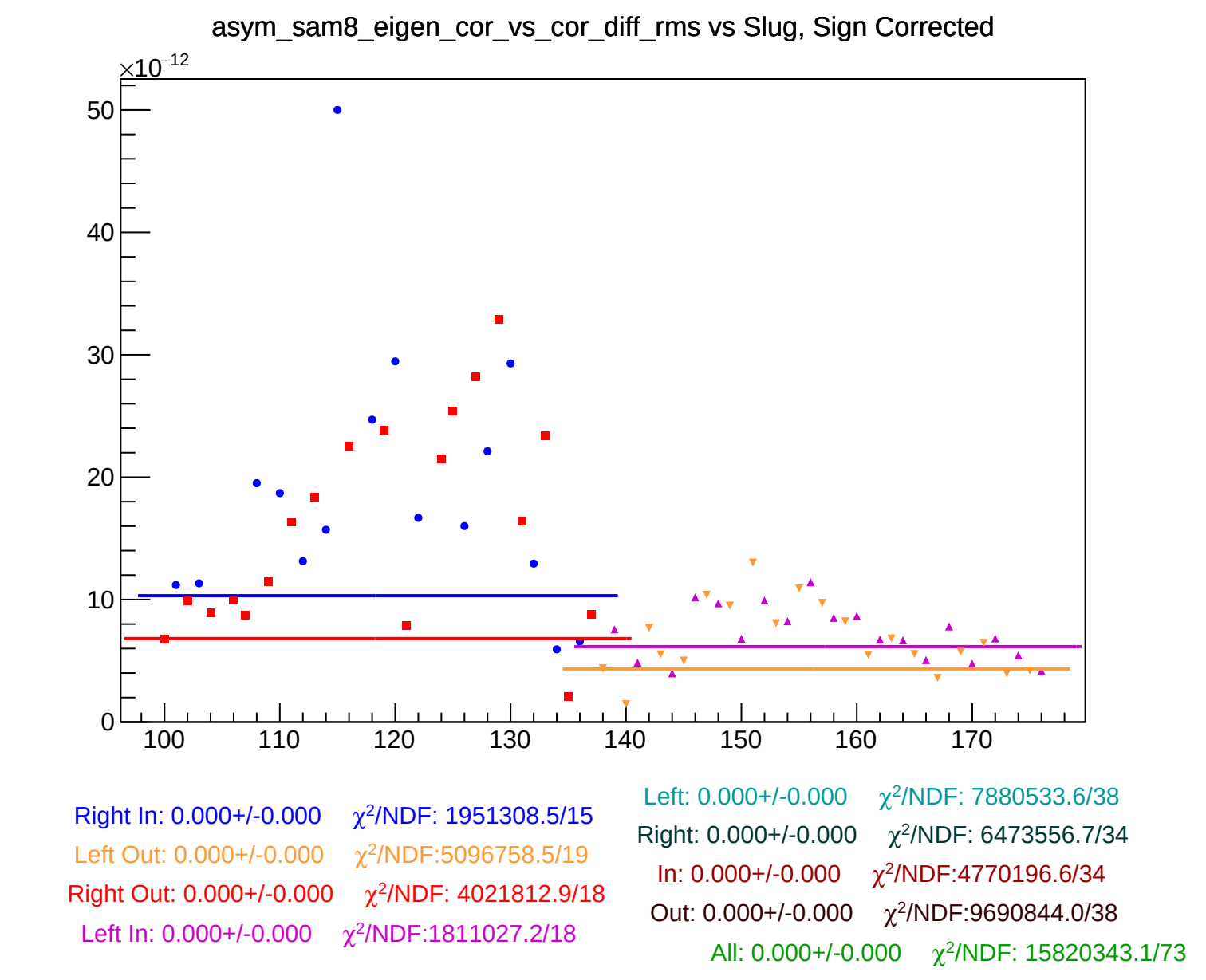
Left: -0.000+/-0.000 χ^2/NDF: 51.5/38

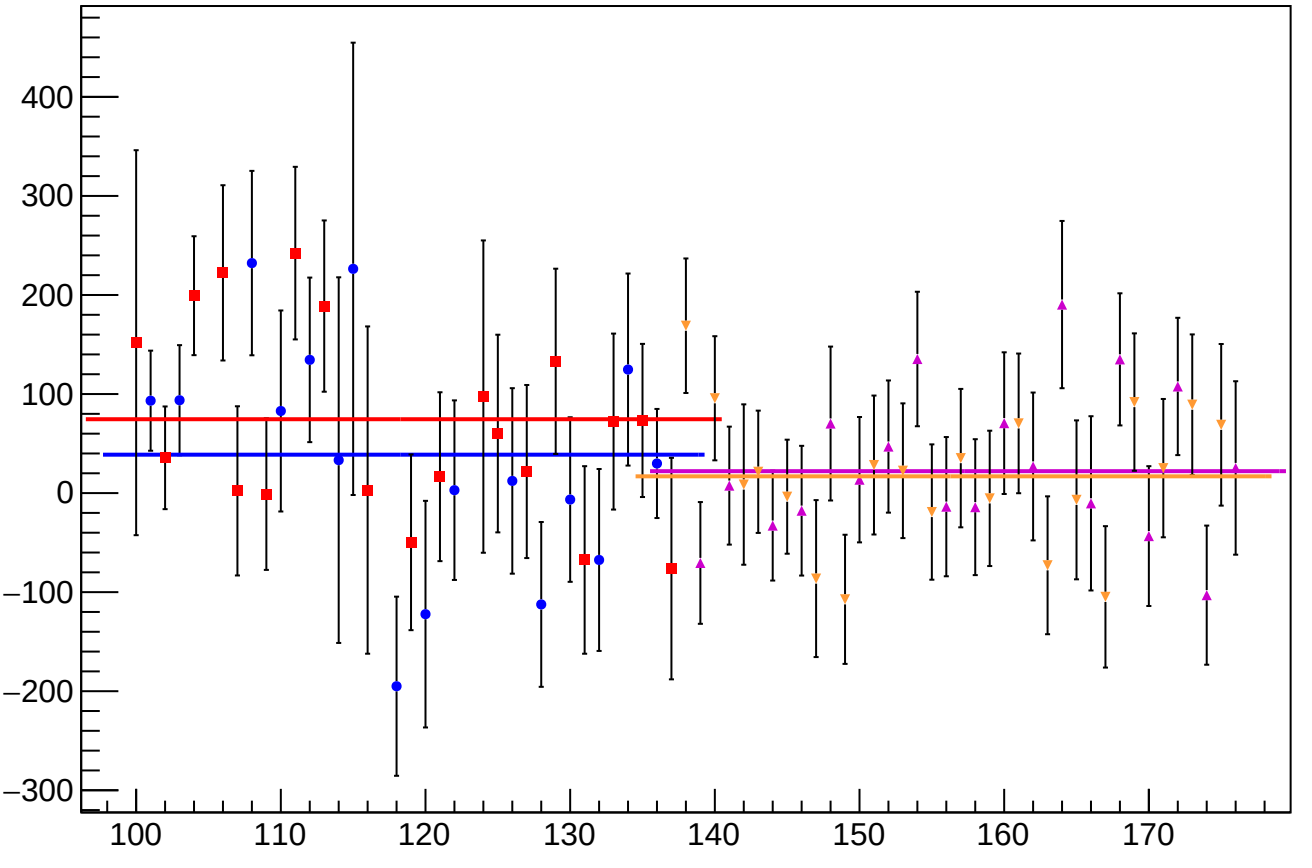
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:44.3/34

Out: 0.000+/-0.000 χ^2/NDF:37.2/38

All: -0.000+/-0.000 χ^2/NDF: 82.8/73


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5096758.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1811027.2/18
Left: 0.000+/-0.000 χ²/NDF: 7880533.6/38
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4770196.6/34
Out: 0.000+/-0.000 χ²/NDF:9690844.0/38
All: 0.000+/-0.000 χ²/NDF: 15820343.1/73



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.931+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

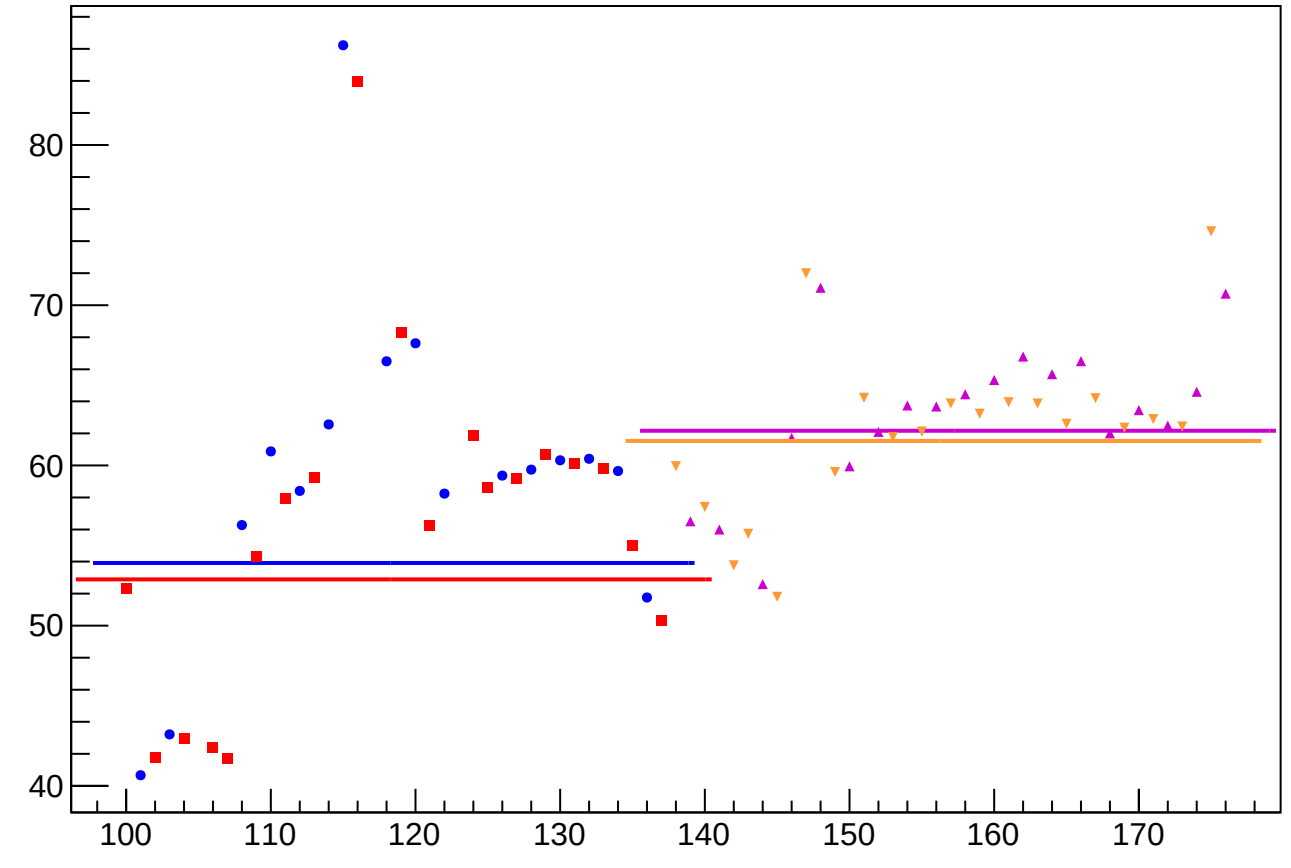
Left: 19.478+/-11.081 χ^2/NDF: 41.0/38

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.388+/-12.512 χ^2/NDF:44.3/34

Out: 38.851+/-12.210 χ^2/NDF:48.1/38

All: 33.747+/-8.739 χ^2/NDF: 92.7/73



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

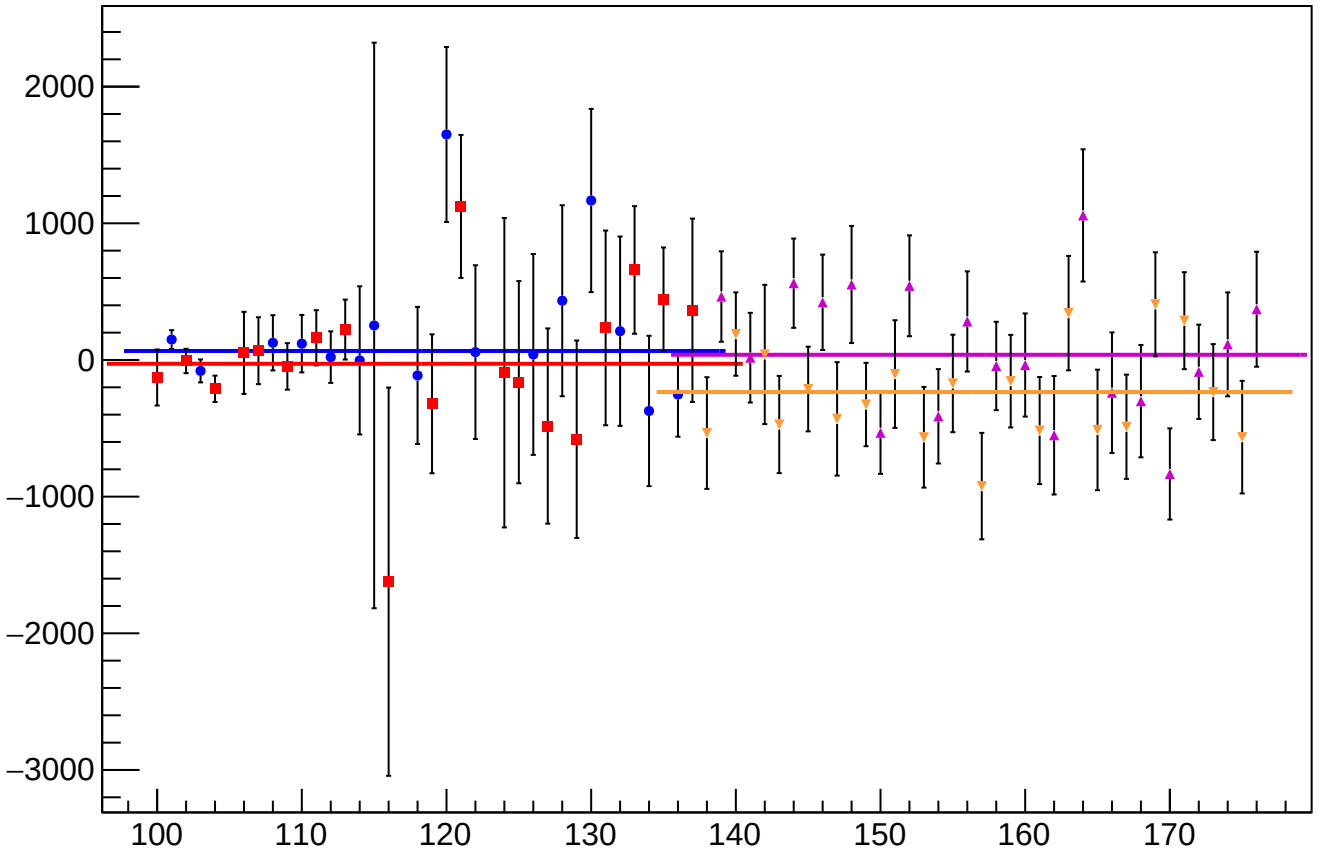
Left: 61.841+/-0.008 χ^2/NDF: 381616.4/38

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 59.064+/-0.009 χ^2/NDF:770605.7/34

Out: 58.244+/-0.009 χ^2/NDF:867950.9/38

All: 58.644+/-0.006 χ^2/NDF: 1642961.2/73



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 38.032+/-83.660 χ^2/NDF:29.6/18

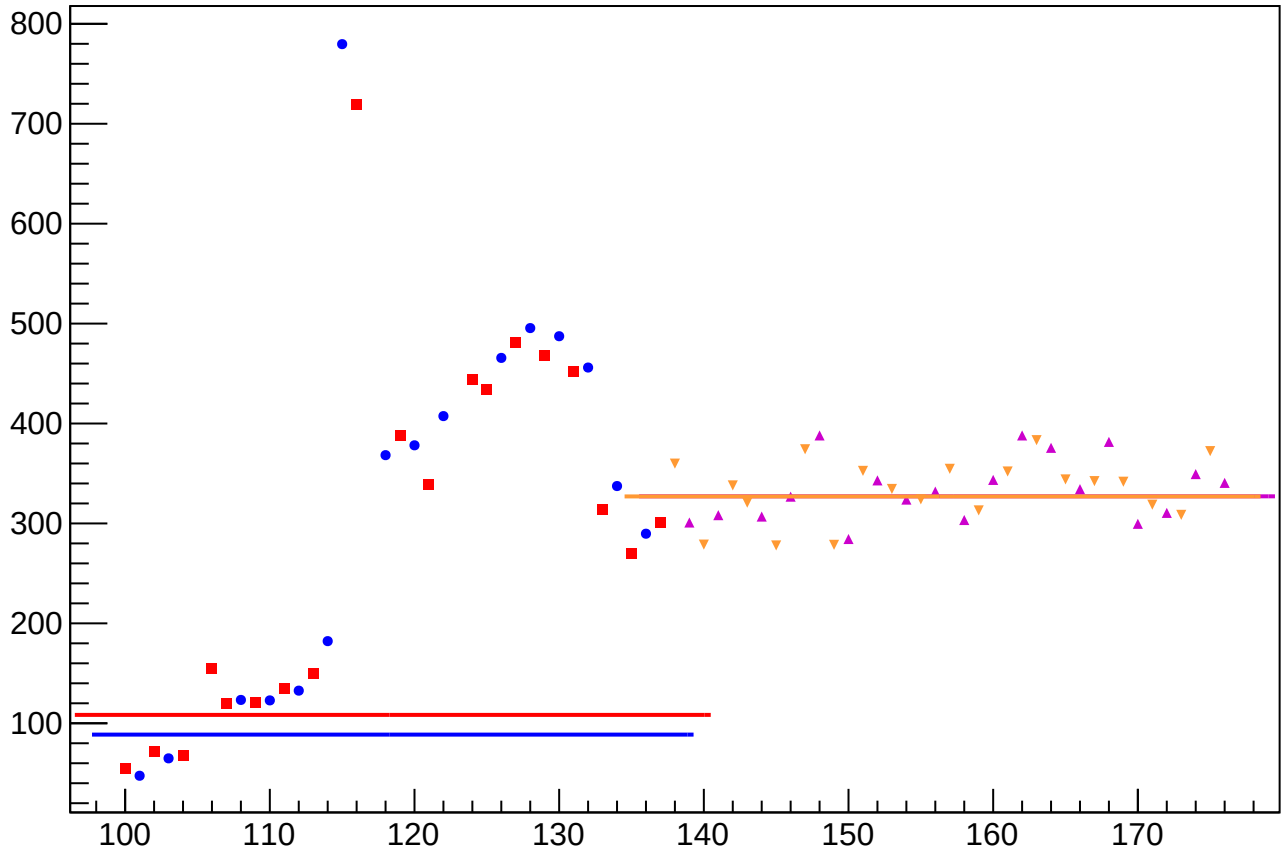
Left: -99.449+/-58.884 χ^2/NDF: 51.5/38

Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 59.291+/-40.629 χ^2/NDF:45.4/34

Out: -83.428+/-42.997 χ^2/NDF:39.1/38

All: -8.031+/-29.531 χ^2/NDF: 90.3/73



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 327.026+/-0.059 χ^2/NDF:298097.7/19

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 327.136+/-0.059 χ^2/NDF:248808.1/18

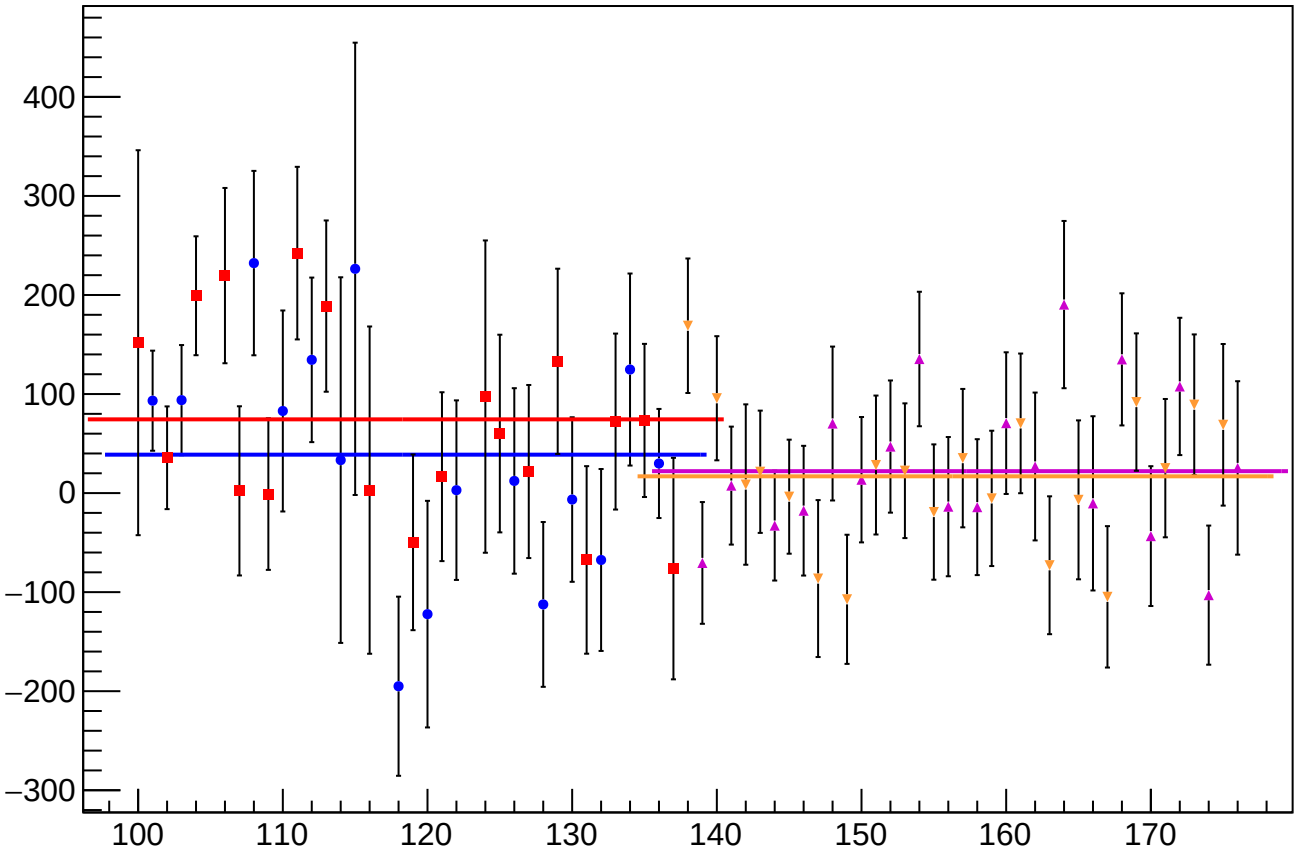
Left: 327.081+/-0.042 χ^2/NDF: 546907.5/38

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 144.904+/-0.029 χ^2/NDF:19315391.1/34

Out: 167.208+/-0.030 χ^2/NDF:15830972.0/38

All: 155.425+/-0.021 χ^2/NDF: 35430670.5/73



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

Left: 19.478+/-11.081 χ^2/NDF: 41.0/38

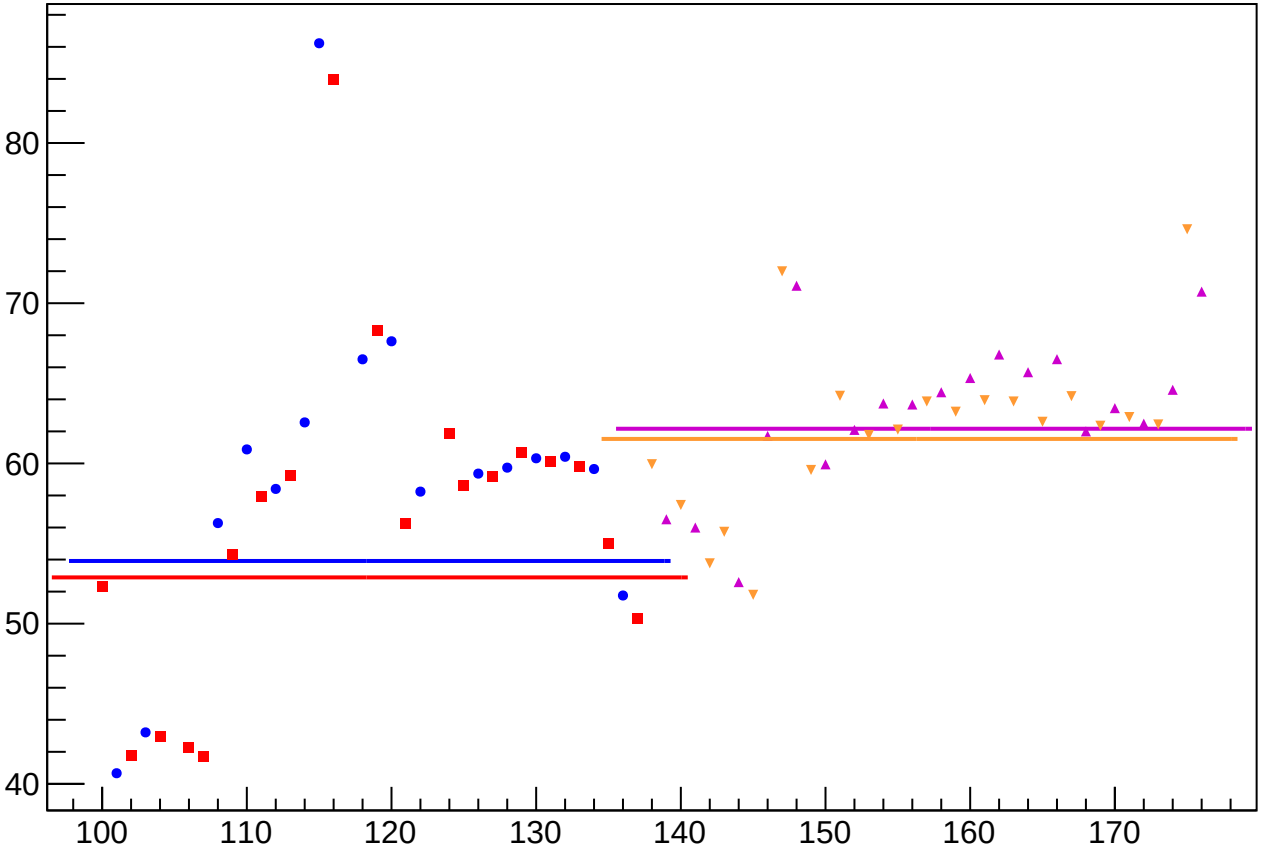
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.392+/-12.512 χ^2/NDF:44.3/34

Out: 38.798+/-12.211 χ^2/NDF:48.0/38

All: 33.722+/-8.739 χ^2/NDF: 92.6/73

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.530+/-0.011 χ^2/NDF:206711.1/19

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

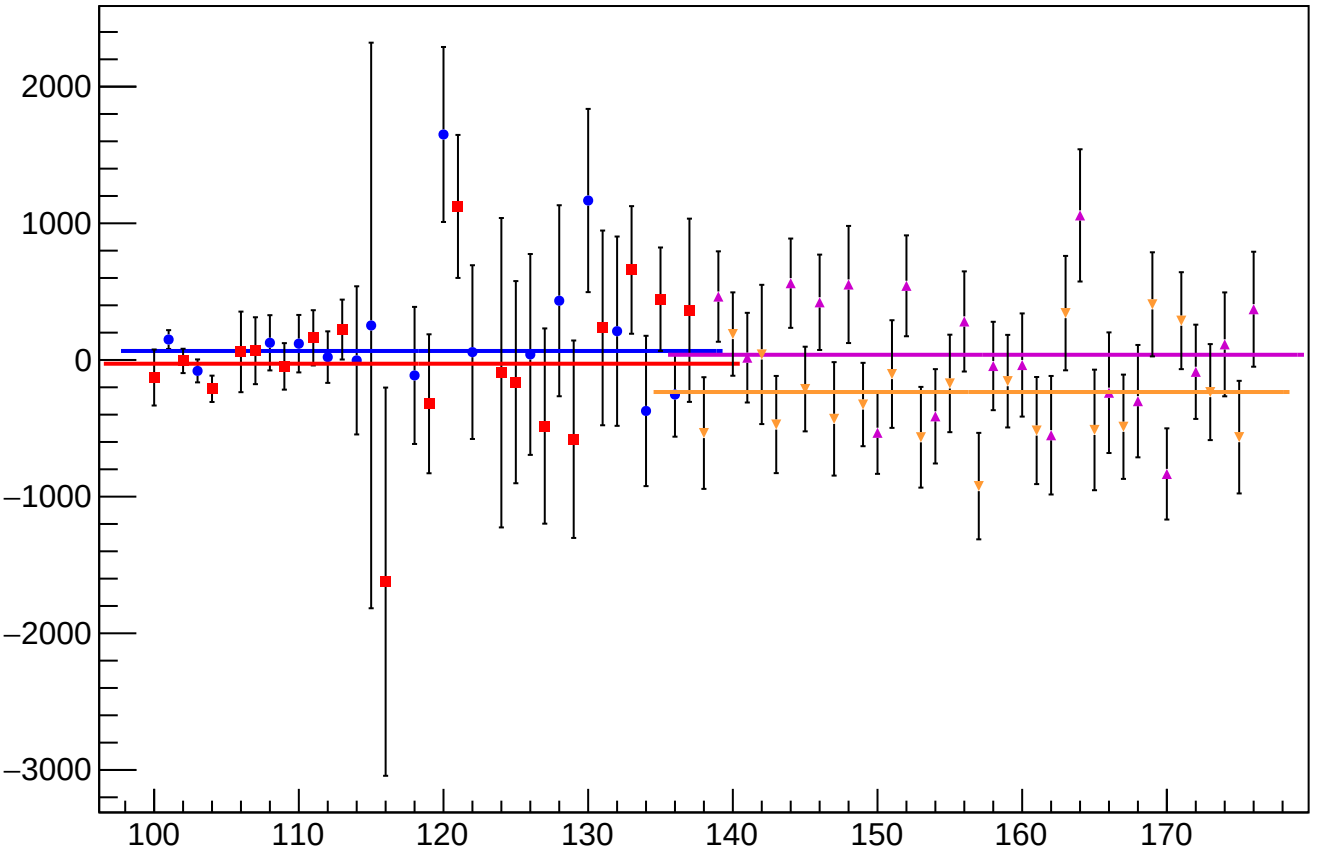
Left: 61.841+/-0.008 χ^2/NDF: 381616.4/38

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 59.064+/-0.009 χ^2/NDF:770604.8/34

Out: 58.243+/-0.009 χ^2/NDF:868360.4/38

All: 58.644+/-0.006 χ^2/NDF: 1643375.7/73



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 38.030+/-83.660 χ^2/NDF:29.6/18

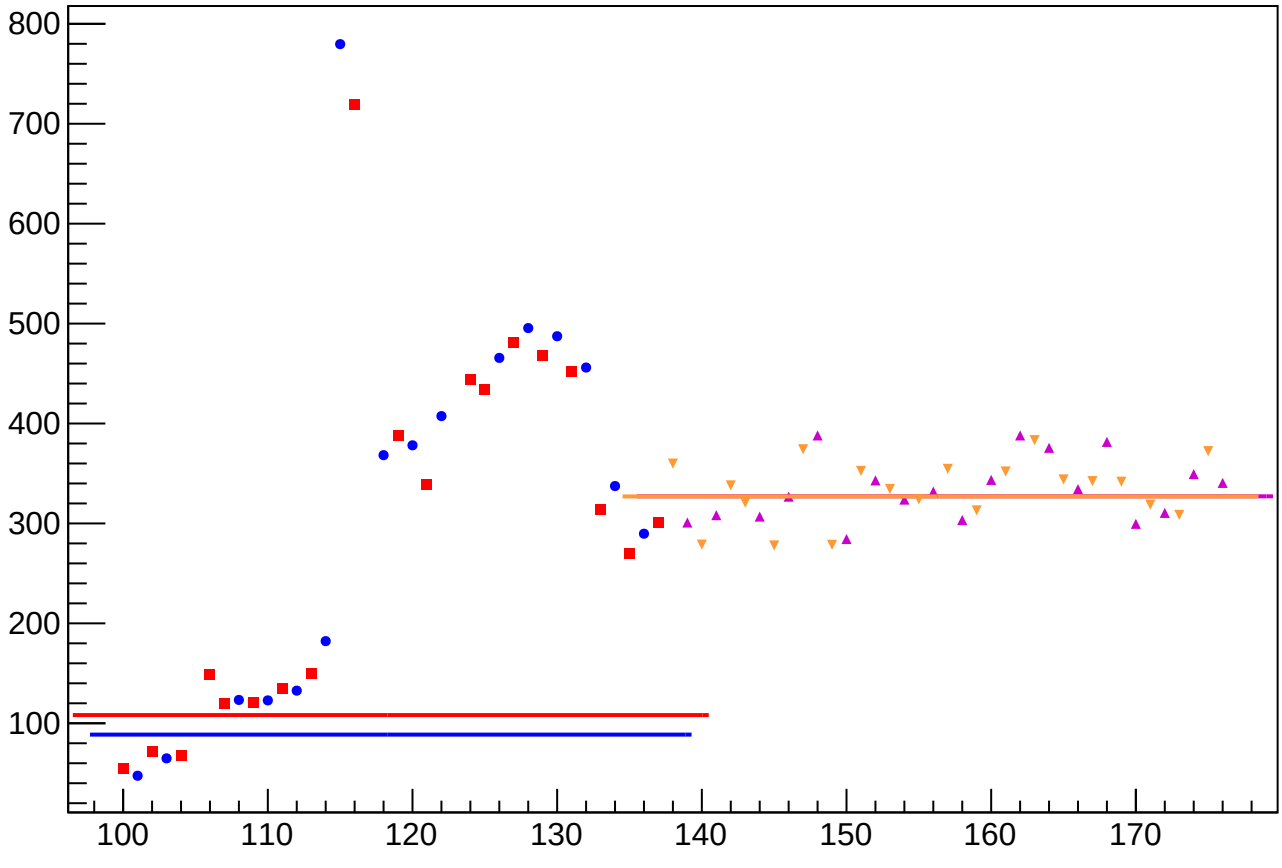
Left: -99.450+/-58.884 χ^2/NDF: 51.5/38

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.294+/-40.629 χ^2/NDF:45.4/34

Out: -83.034+/-42.970 χ^2/NDF:39.1/38

All: -7.886+/-29.522 χ^2/NDF: 90.3/73



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

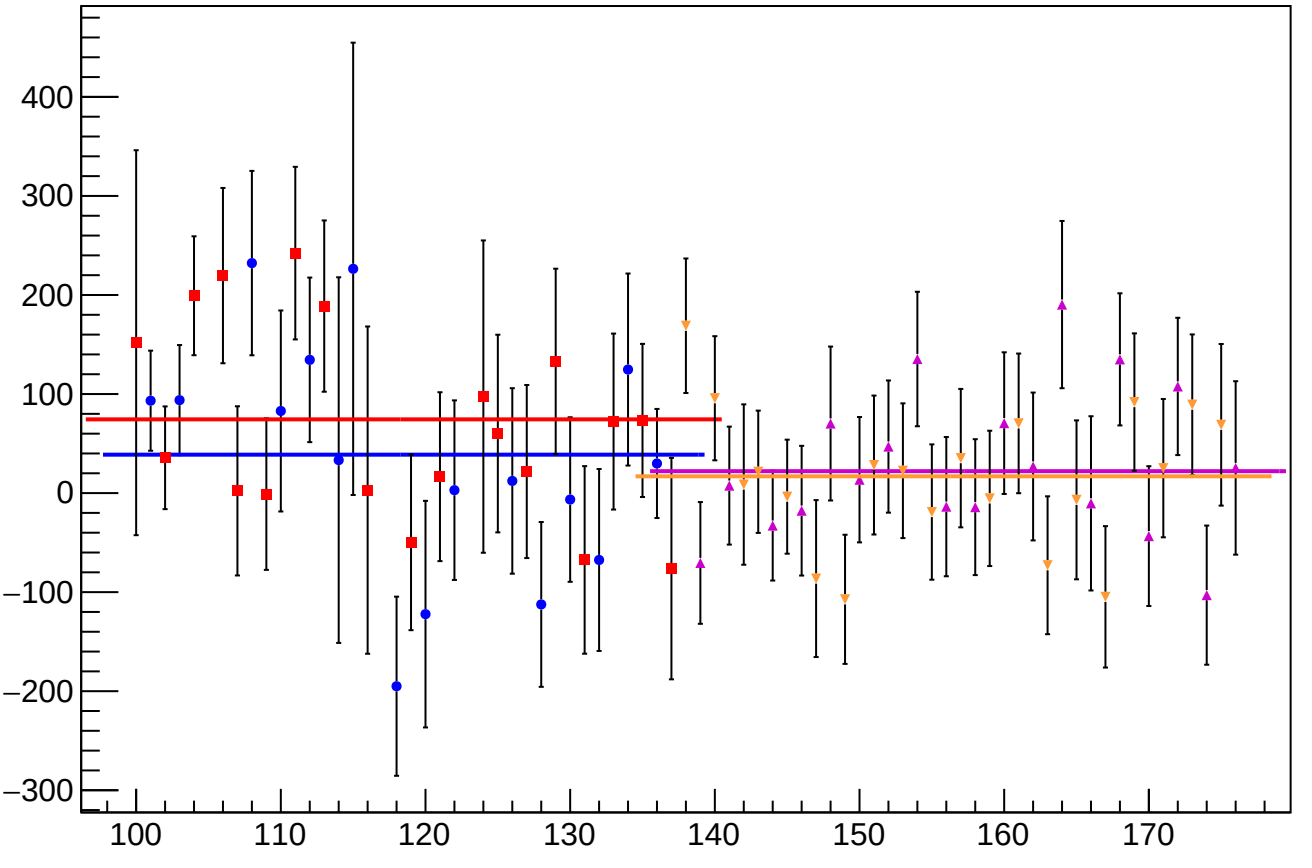
Left: 327.081+/-0.042 χ^2/NDF: 546910.8/38

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 144.900+/-0.029 χ^2/NDF:19315857.4/34

Out: 167.004+/-0.030 χ^2/NDF:15844281.7/38

All: 155.334+/-0.021 χ^2/NDF: 35439561.7/73



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 16.932+/-15.510 χ^2/NDF:20.4/19

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

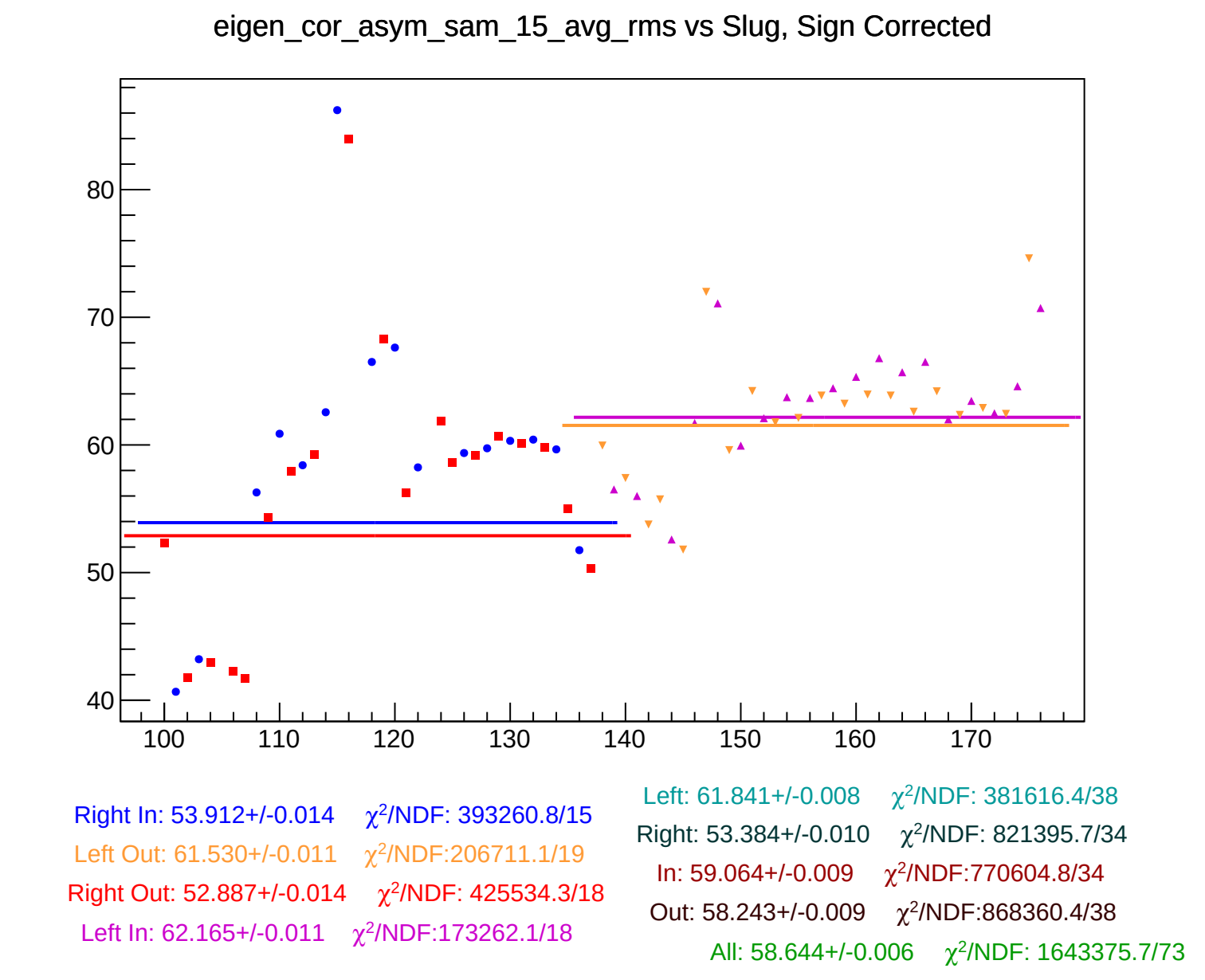
Left: 19.478+/-11.081 χ^2/NDF: 41.0/38

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.392+/-12.512 χ^2/NDF:44.3/34

Out: 38.798+/-12.211 χ^2/NDF:48.0/38

All: 33.722+/-8.739 χ^2/NDF: 92.6/73


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
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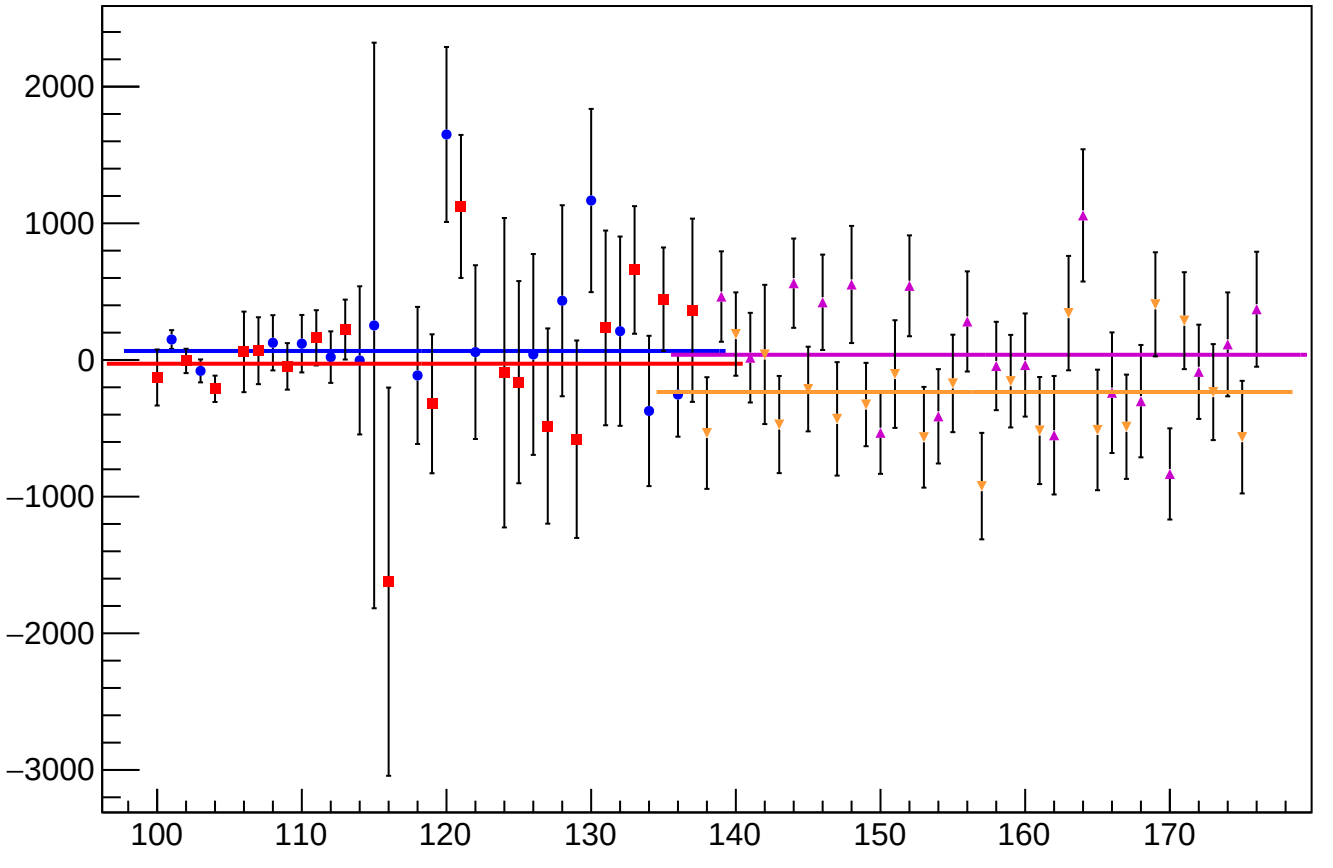
130
140
150
160
170
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 61.530+/-0.011 χ²/NDF:206711.1/19
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 62.165+/-0.011 χ²/NDF:173262.1/18
Left: 61.841+/-0.008 χ²/NDF: 381616.4/38
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 59.064+/-0.009 χ²/NDF:770604.8/34
Out: 58.243+/-0.009 χ²/NDF:868360.4/38
All: 58.644+/-0.006 χ²/NDF: 1643375.7/73



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -234.430+/-82.896 χ^2/NDF:16.6/19

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 38.030+/-83.660 χ^2/NDF:29.6/18

Left: -99.450+/-58.884 χ^2/NDF: 51.5/38

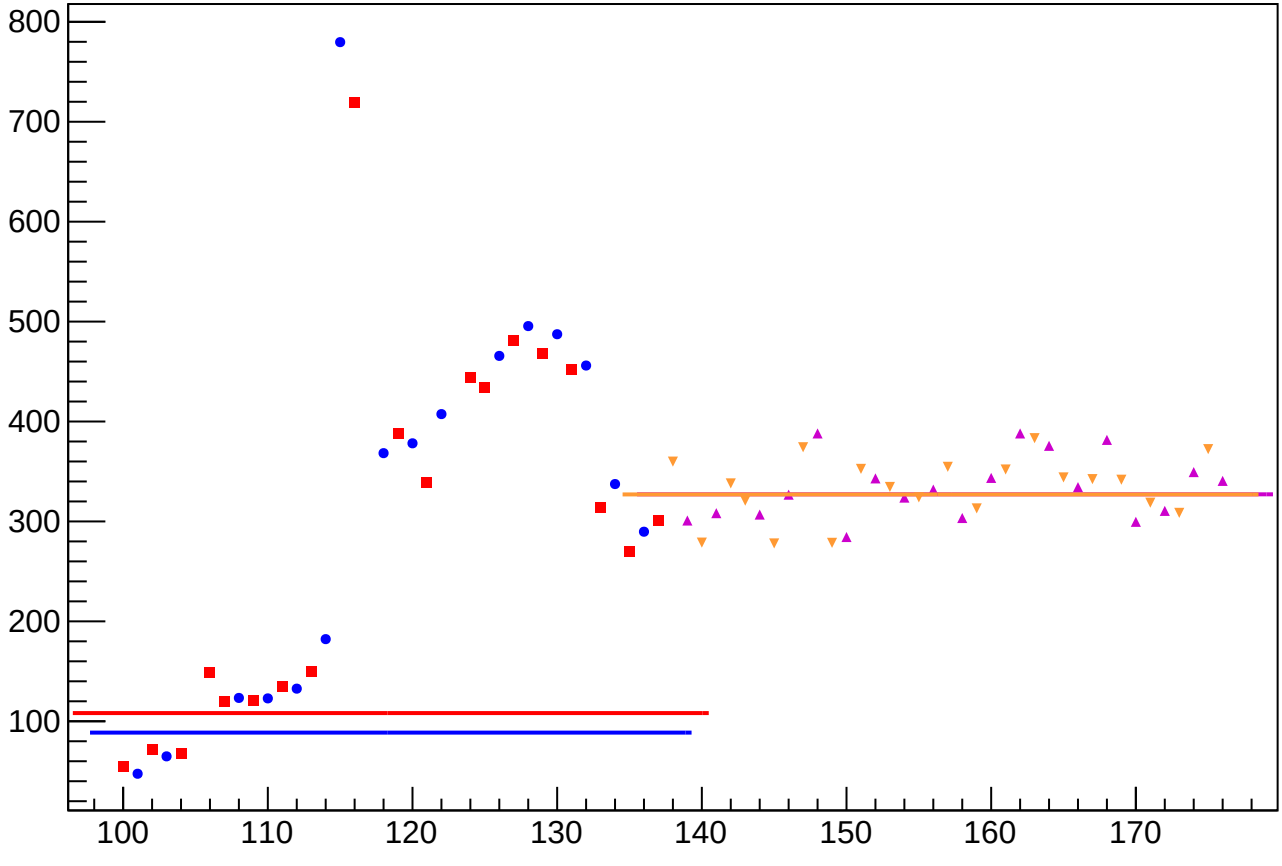
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.294+/-40.629 χ^2/NDF:45.4/34

Out: -83.034+/-42.970 χ^2/NDF:39.1/38

All: -7.886+/-29.522 χ^2/NDF: 90.3/73

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: 327.026+/-0.059 χ^2/NDF:298095.8/19

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

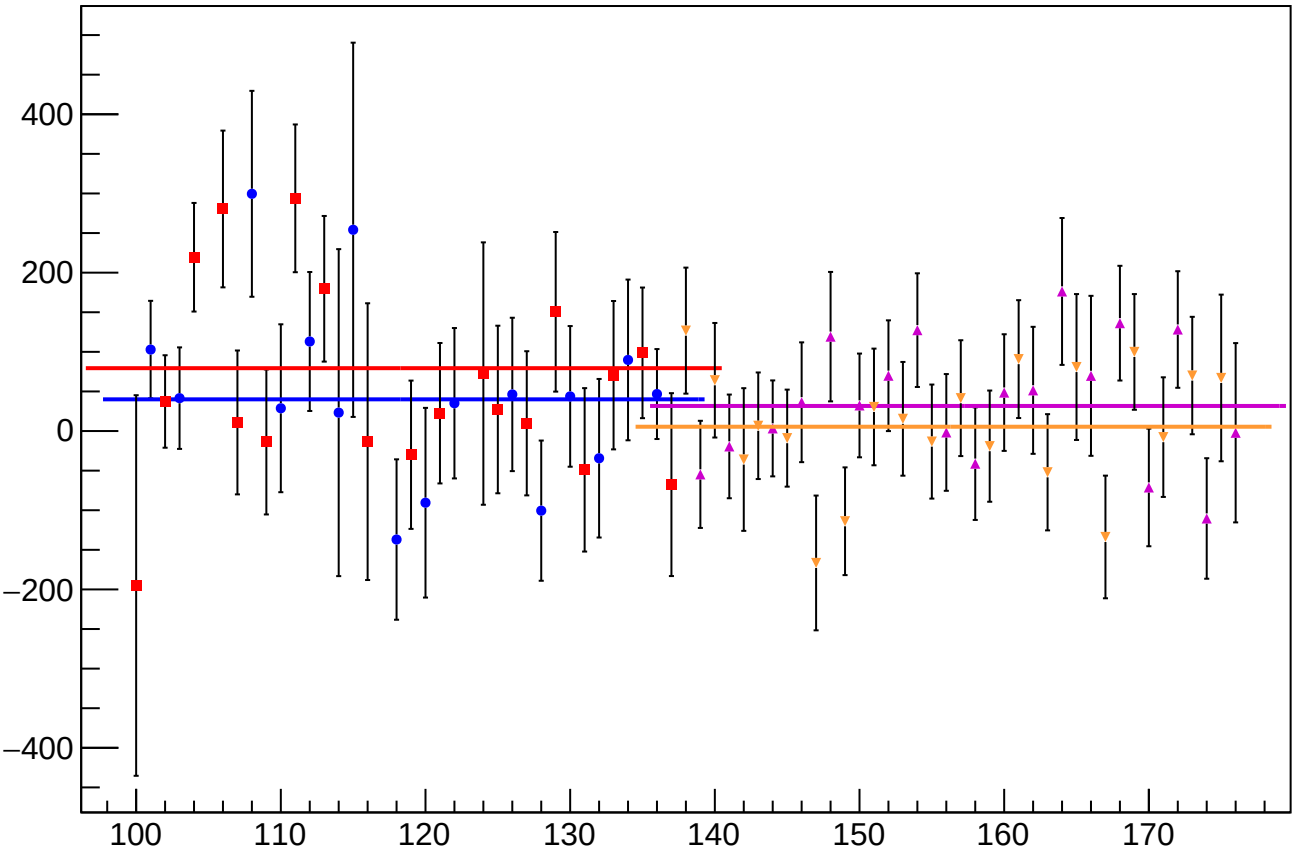
Left: 327.081+/-0.042 χ^2/NDF: 546910.8/38

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 144.900+/-0.029 χ^2/NDF:19315857.4/34

Out: 167.004+/-0.030 χ^2/NDF:15844281.7/38

All: 155.334+/-0.021 χ^2/NDF: 35439561.7/73



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.671+/-17.089 χ^2/NDF:18.9/18

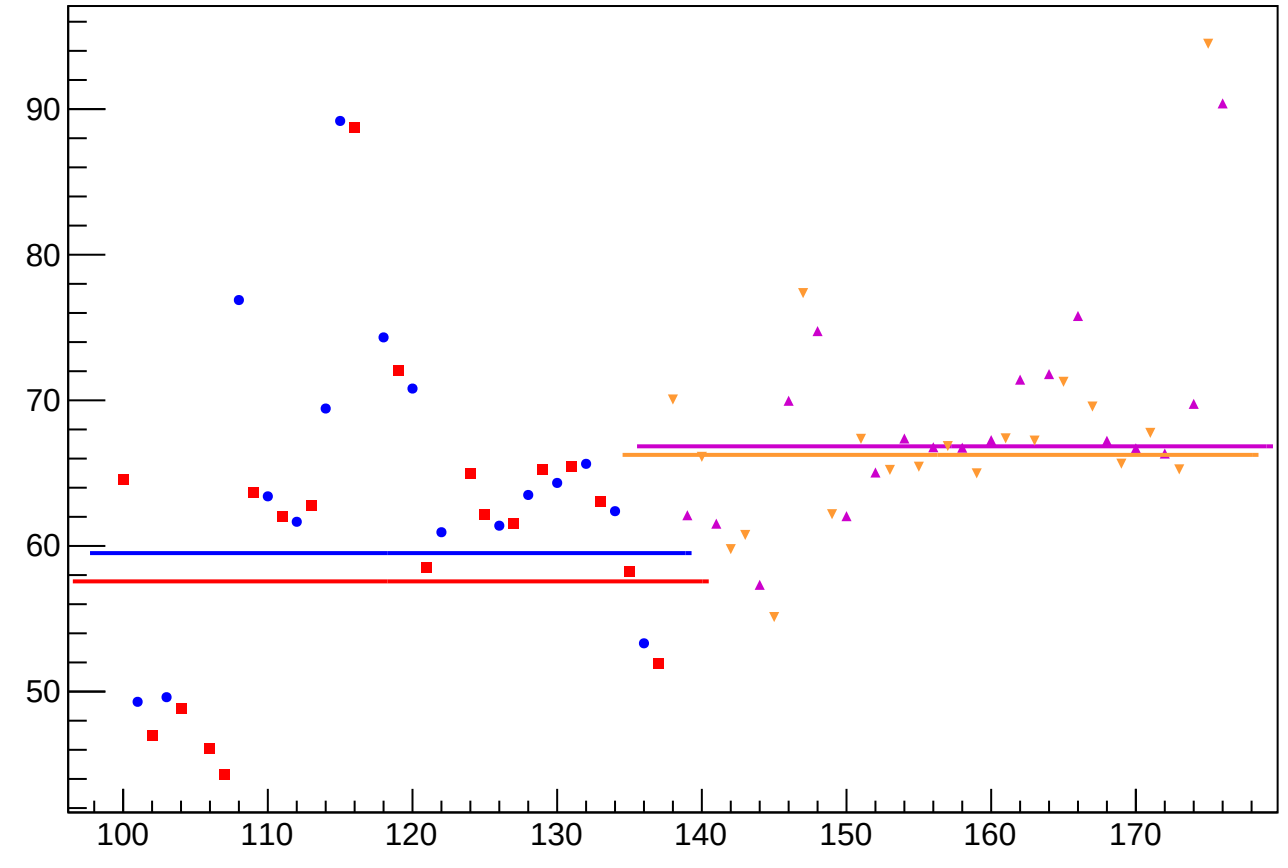
Left: 18.301+/-11.965 χ^2/NDF: 39.8/38

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 34.727+/-13.612 χ^2/NDF:33.2/34

Out: 33.262+/-13.235 χ^2/NDF:51.8/38

All: 33.974+/-9.489 χ^2/NDF: 84.9/73



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.4/19

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.842+/-0.012 χ^2/NDF:224228.1/18

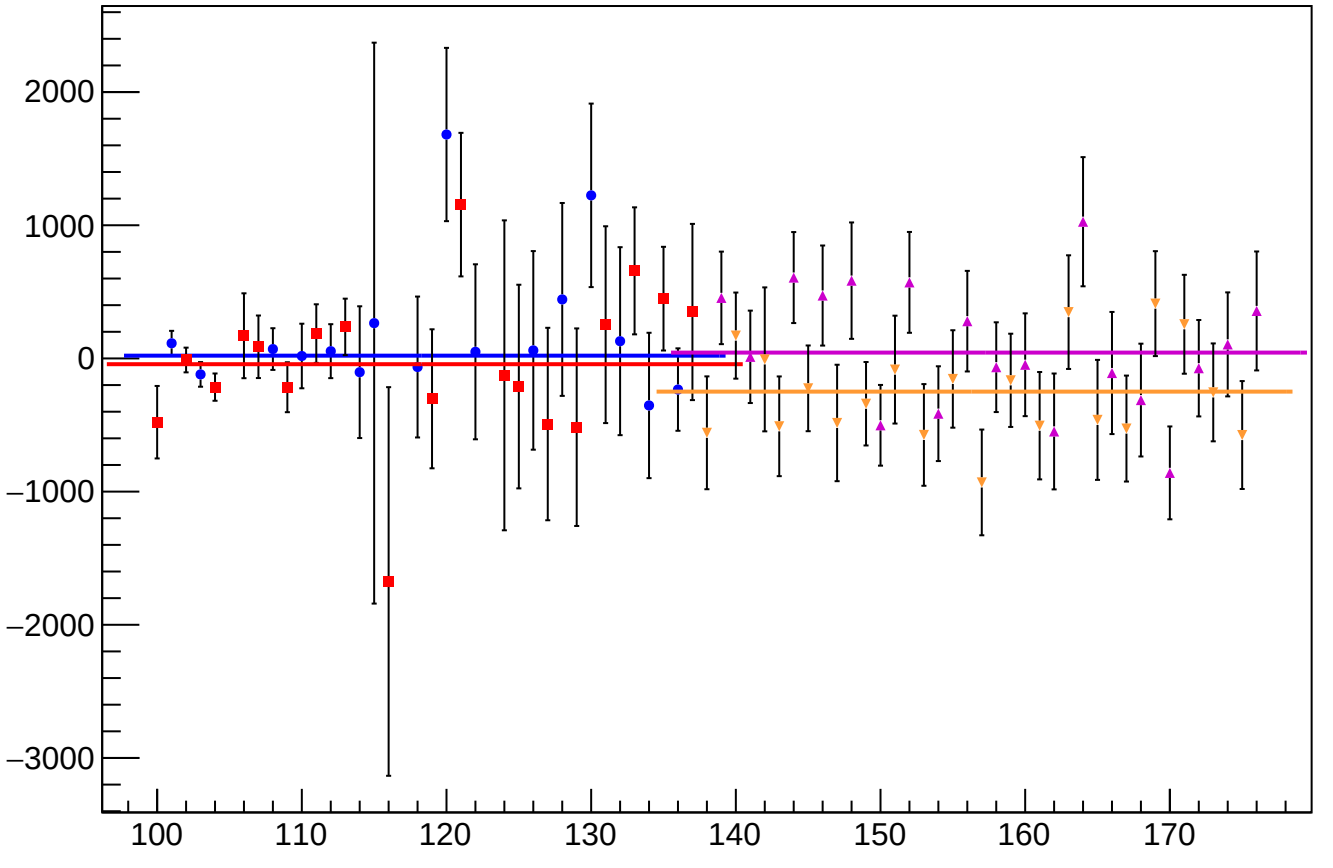
Left: 66.543+/-0.008 χ^2/NDF: 518706.5/38

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 64.162+/-0.010 χ^2/NDF:642046.2/34

Out: 62.986+/-0.009 χ^2/NDF:842891.5/38

All: 63.557+/-0.007 χ^2/NDF: 1492609.5/73



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.158+/-85.816 χ^2/NDF:15.6/19

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 43.820+/-86.692 χ^2/NDF:28.5/18

Left: -104.157+/-60.988 χ^2/NDF: 49.9/38

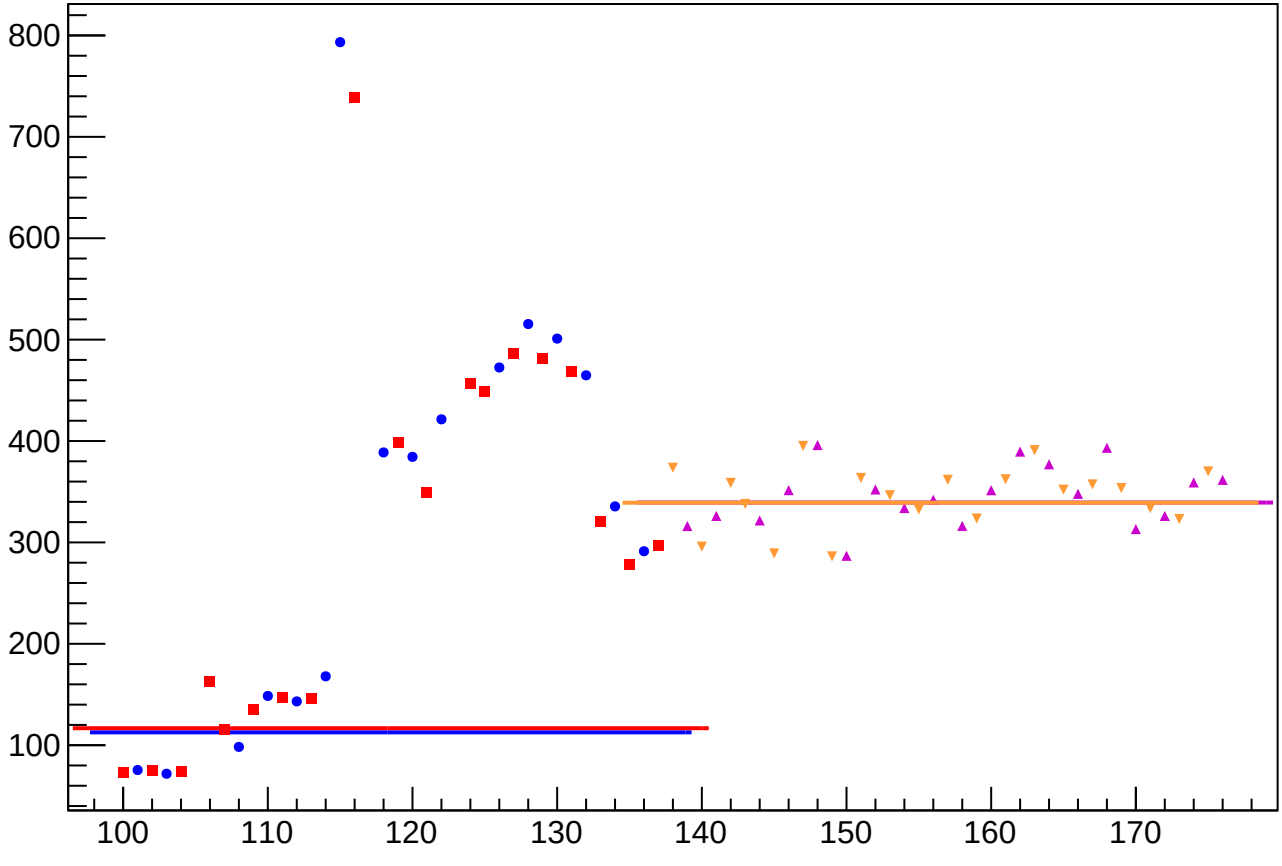
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 27.193+/-45.581 χ^2/NDF:43.1/34

Out: -100.439+/-45.222 χ^2/NDF:41.3/38

All: -37.127+/-32.103 χ^2/NDF: 88.4/73

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: 339.165+/-0.061 χ^2/NDF:269585.2/19

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 339.315+/-0.061 χ^2/NDF:223315.9/18

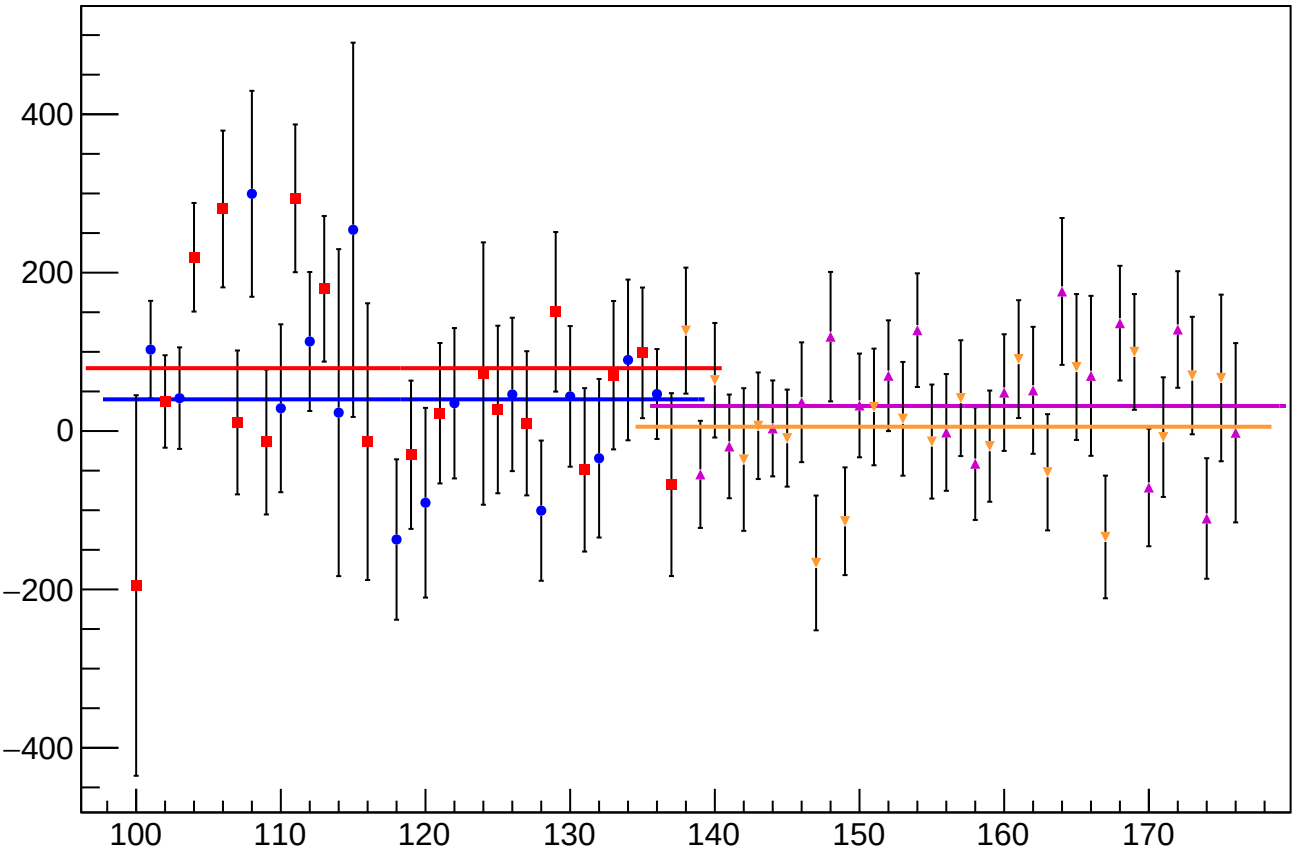
Left: 339.239+/-0.043 χ^2/NDF: 492904.2/38

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 175.323+/-0.032 χ^2/NDF:15714036.8/34

Out: 178.502+/-0.032 χ^2/NDF:15116317.9/38

All: 176.925+/-0.023 χ^2/NDF: 30835258.8/73



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 5.443+/-16.759 χ^2/NDF:19.6/19

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.671+/-17.089 χ^2/NDF:18.9/18

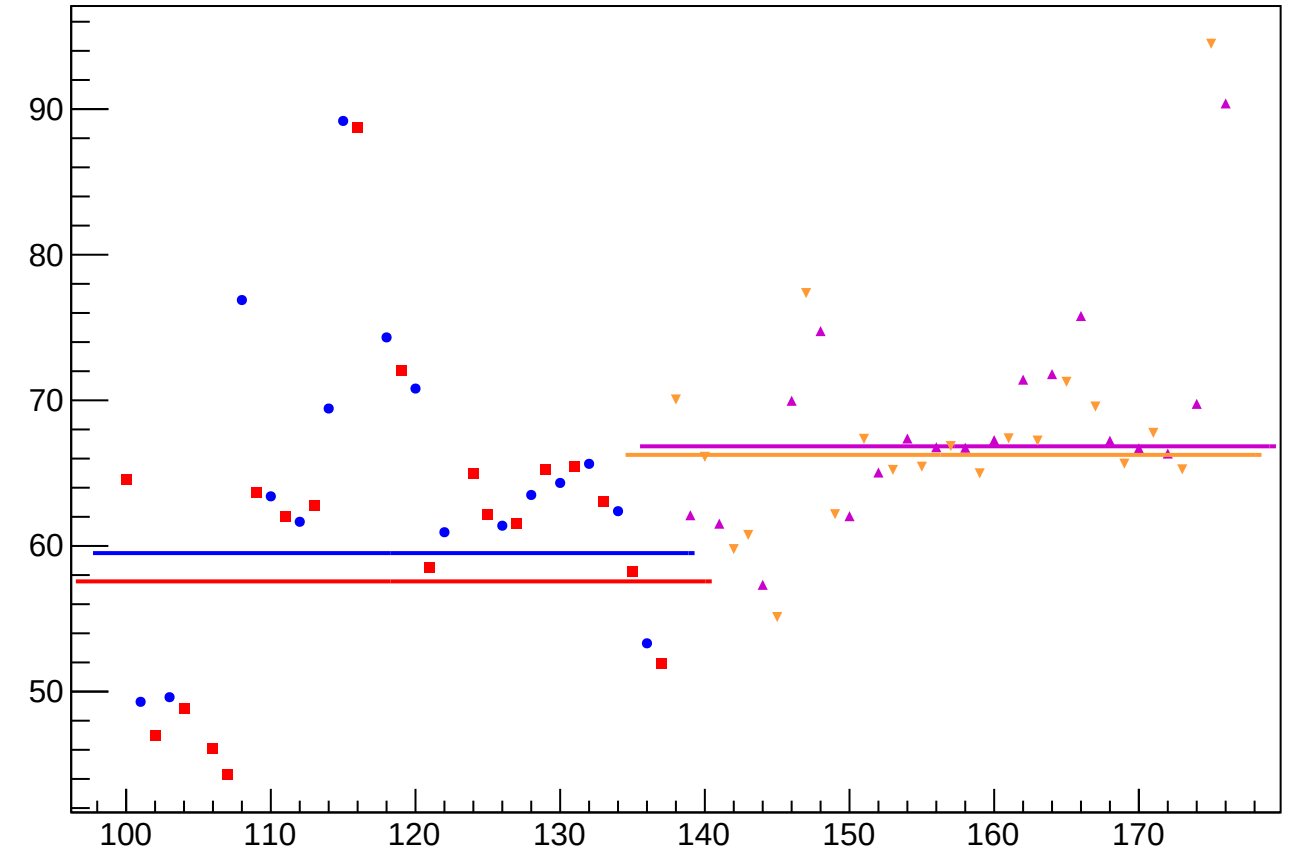
Left: 18.301+/-11.965 χ^2/NDF: 39.8/38

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 34.727+/-13.612 χ^2/NDF:33.2/34

Out: 33.262+/-13.235 χ^2/NDF:51.8/38

All: 33.974+/-9.489 χ^2/NDF: 84.9/73



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.255+/-0.012 χ^2/NDF:293273.8/19

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.842+/-0.012 χ^2/NDF:224218.2/18

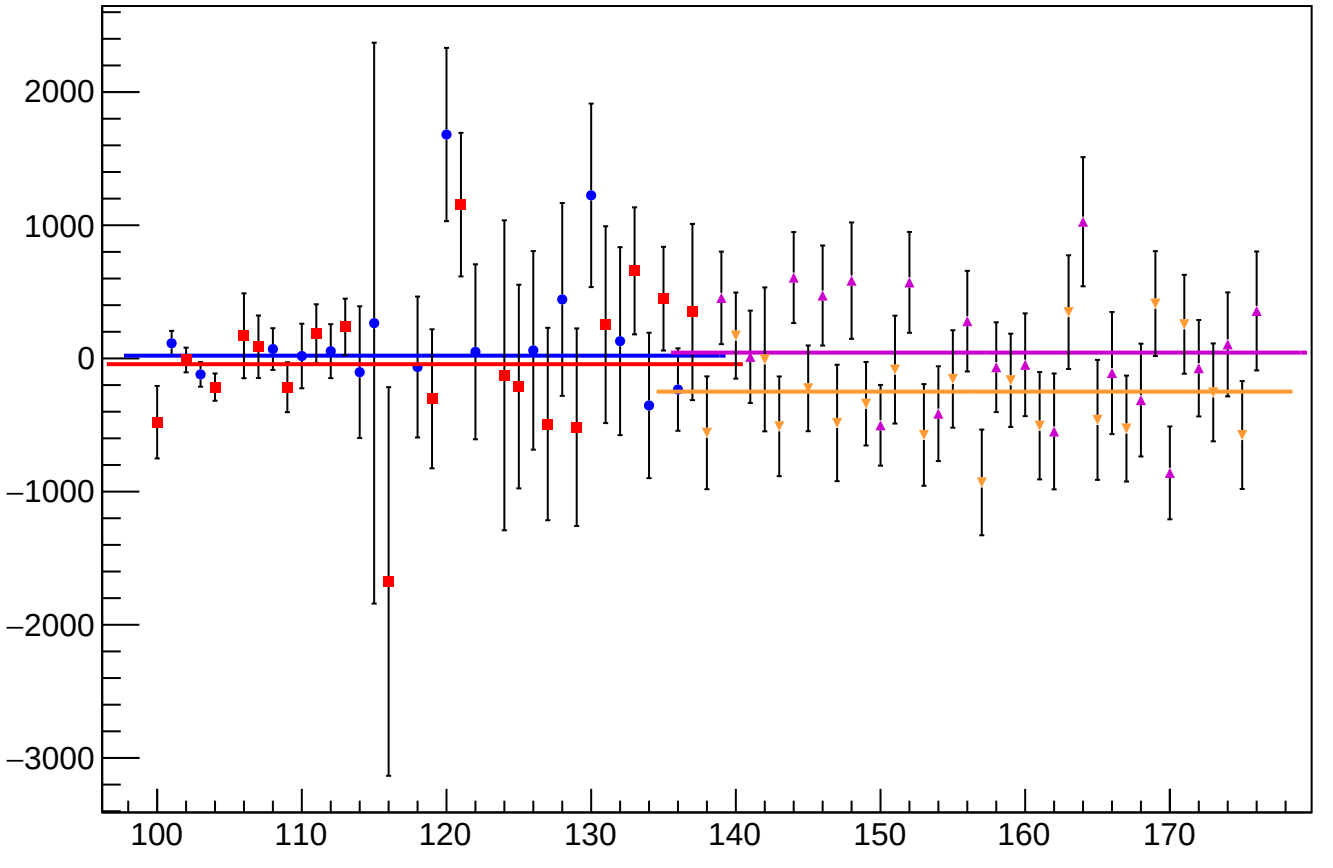
Left: 66.543+/-0.008 χ^2/NDF: 518697.1/38

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 64.162+/-0.010 χ^2/NDF:642043.0/34

Out: 62.986+/-0.009 χ^2/NDF:842897.2/38

All: 63.557+/-0.007 χ^2/NDF: 1492612.2/73



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -249.157+/-85.816 χ^2/NDF:15.6/19

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 43.820+/-86.692 χ^2/NDF:28.5/18

Left: -104.157+/-60.988 χ^2/NDF: 49.9/38

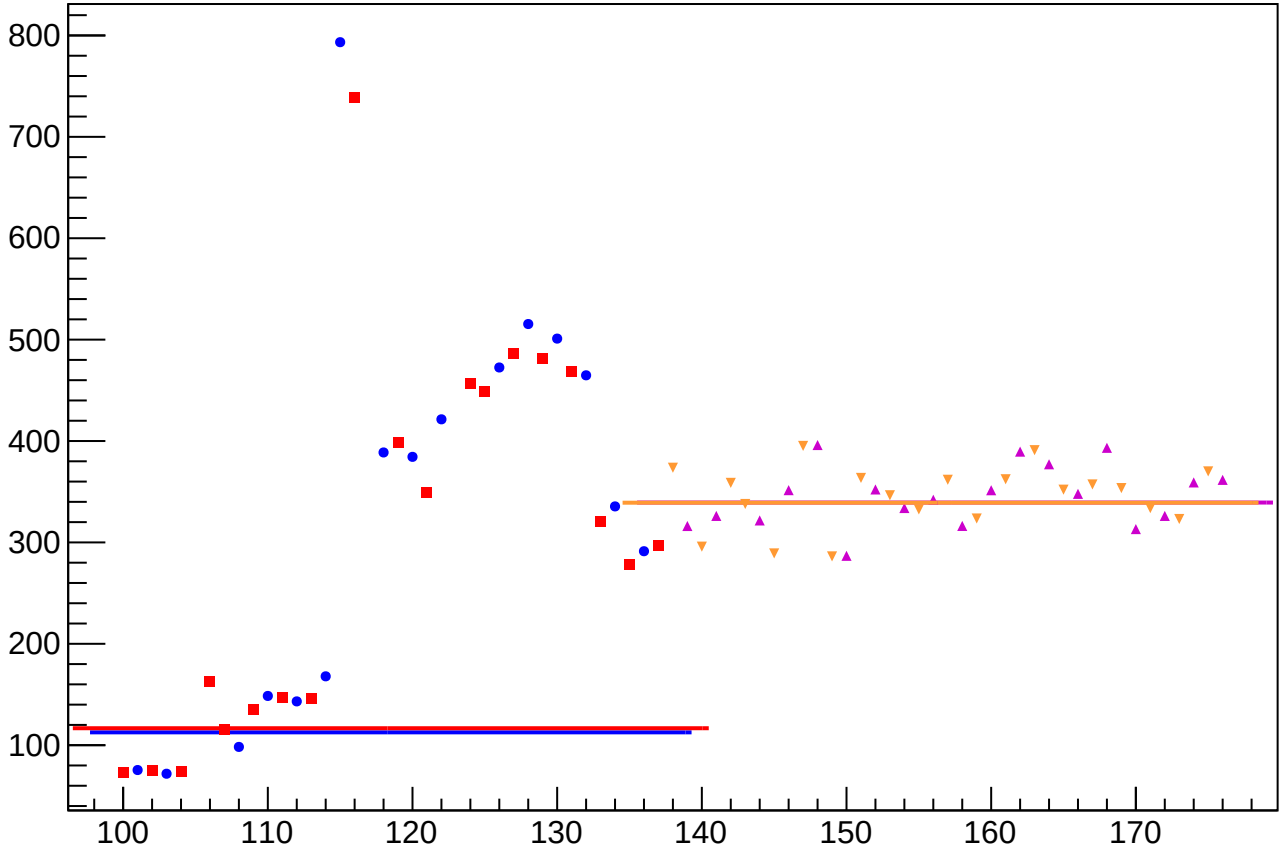
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 27.192+/-45.581 χ^2/NDF:43.1/34

Out: -100.439+/-45.222 χ^2/NDF:41.3/38

All: -37.127+/-32.103 χ^2/NDF: 88.4/73

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: 339.166+/-0.061 χ^2/NDF:269581.6/19

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 339.316+/-0.061 χ^2/NDF:223309.7/18

Left: 339.240+/-0.043 χ^2/NDF: 492894.3/38

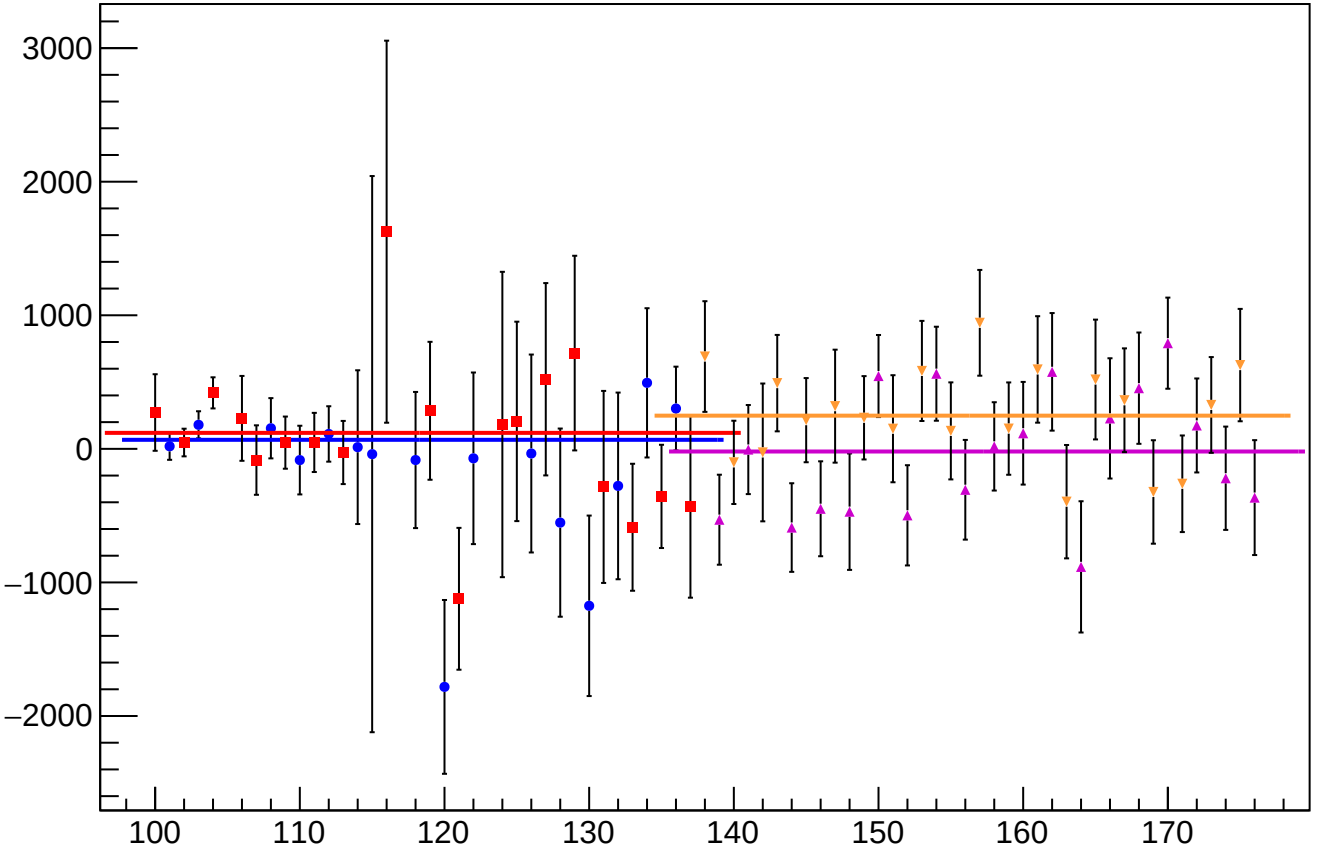
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 175.322+/-0.032 χ^2/NDF:15714089.1/34

Out: 178.502+/-0.032 χ^2/NDF:15116393.2/38

All: 176.925+/-0.023 χ^2/NDF: 30835386.0/73

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 248.566+/-84.404 χ^2/NDF:15.8/19

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -19.868+/-85.214 χ^2/NDF:29.6/18

Left: 115.631+/-59.967 χ^2/NDF: 50.5/38

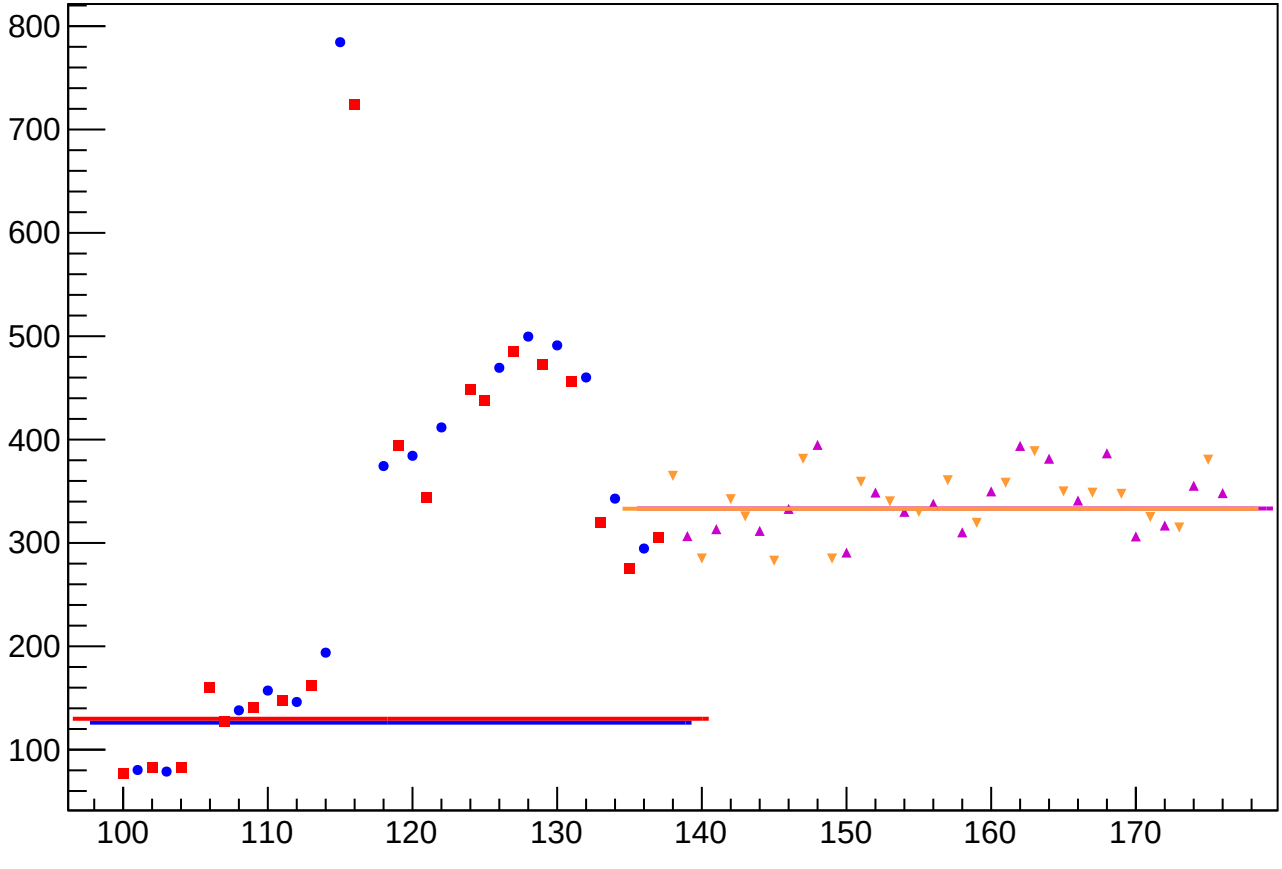
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 39.161+/-48.602 χ^2/NDF:46.1/34

Out: 160.932+/-47.769 χ^2/NDF:38.6/38

All: 101.099+/-34.068 χ^2/NDF: 87.9/73

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 333.109+/-0.060 χ^2/NDF:290419.6/19

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 333.326+/-0.060 χ^2/NDF:240219.8/18

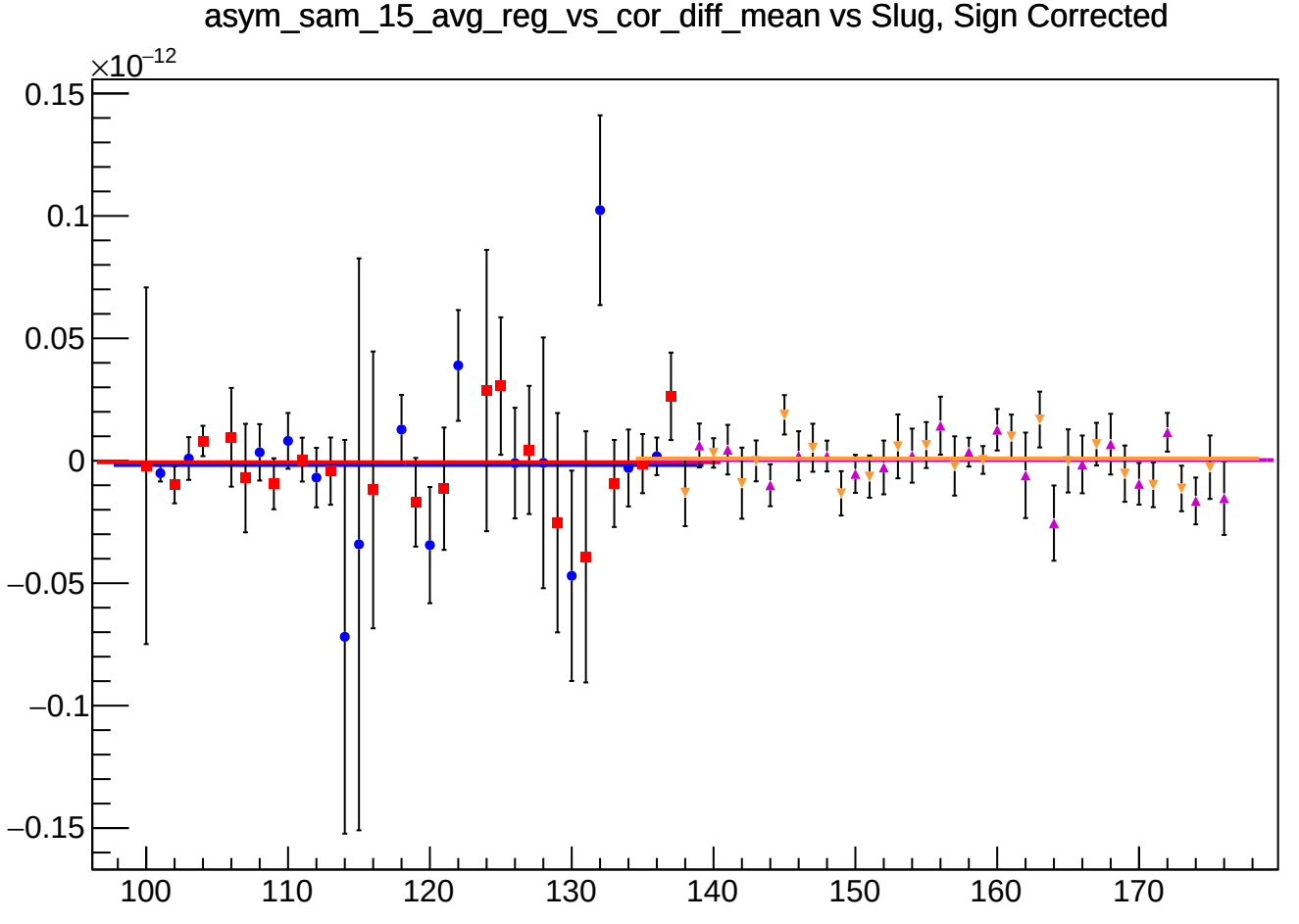
Left: 333.216+/-0.042 χ^2/NDF: 530645.9/38

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 193.546+/-0.034 χ^2/NDF:13436279.1/34

Out: 194.998+/-0.034 χ^2/NDF:12816526.9/38

All: 194.285+/-0.024 χ^2/NDF: 26253714.5/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/18

Left: 0.000+/-0.000 χ^2/NDF: 34.9/38

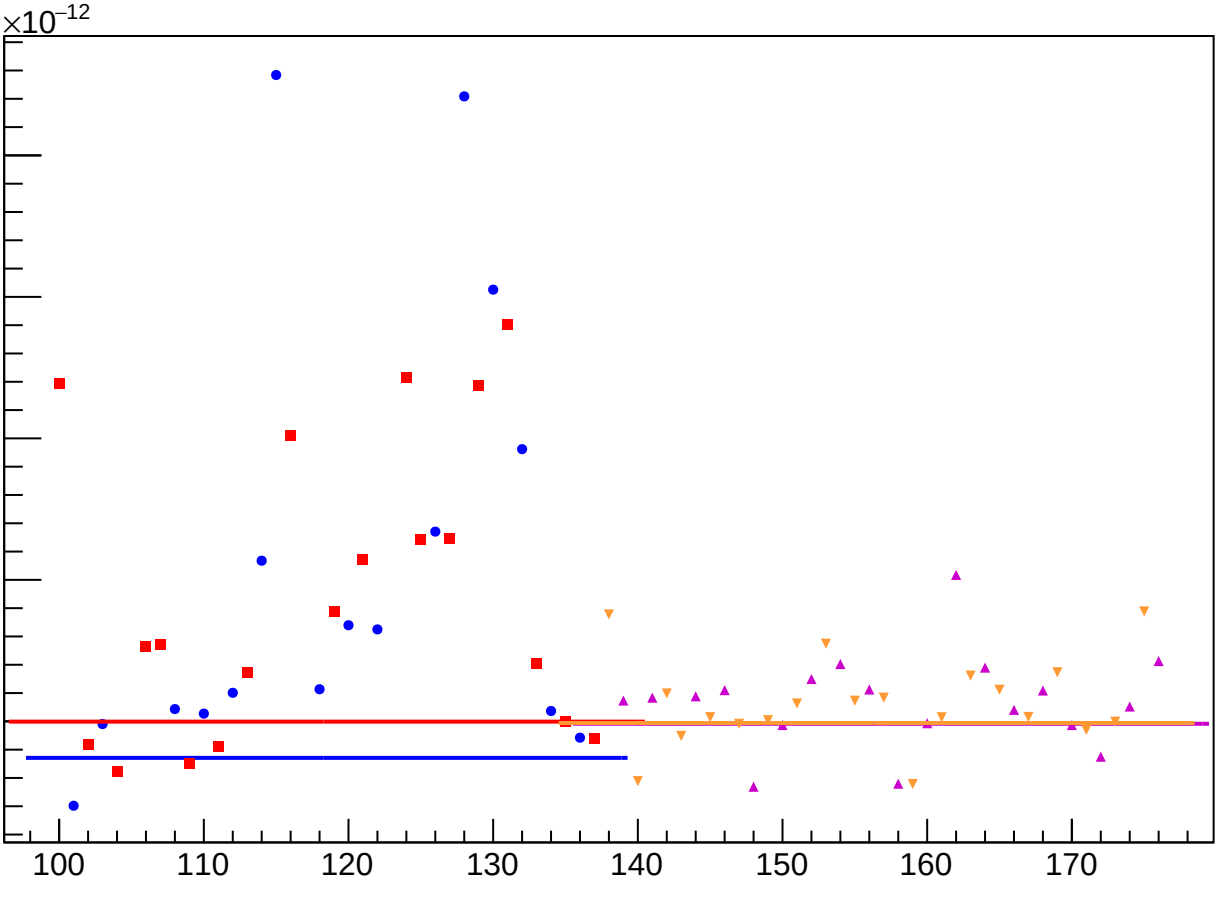
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:35.5/34

Out: 0.000+/-0.000 χ^2/NDF:28.2/38

All: -0.000+/-0.000 χ^2/NDF: 63.8/73

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1126322.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1062341.8/18

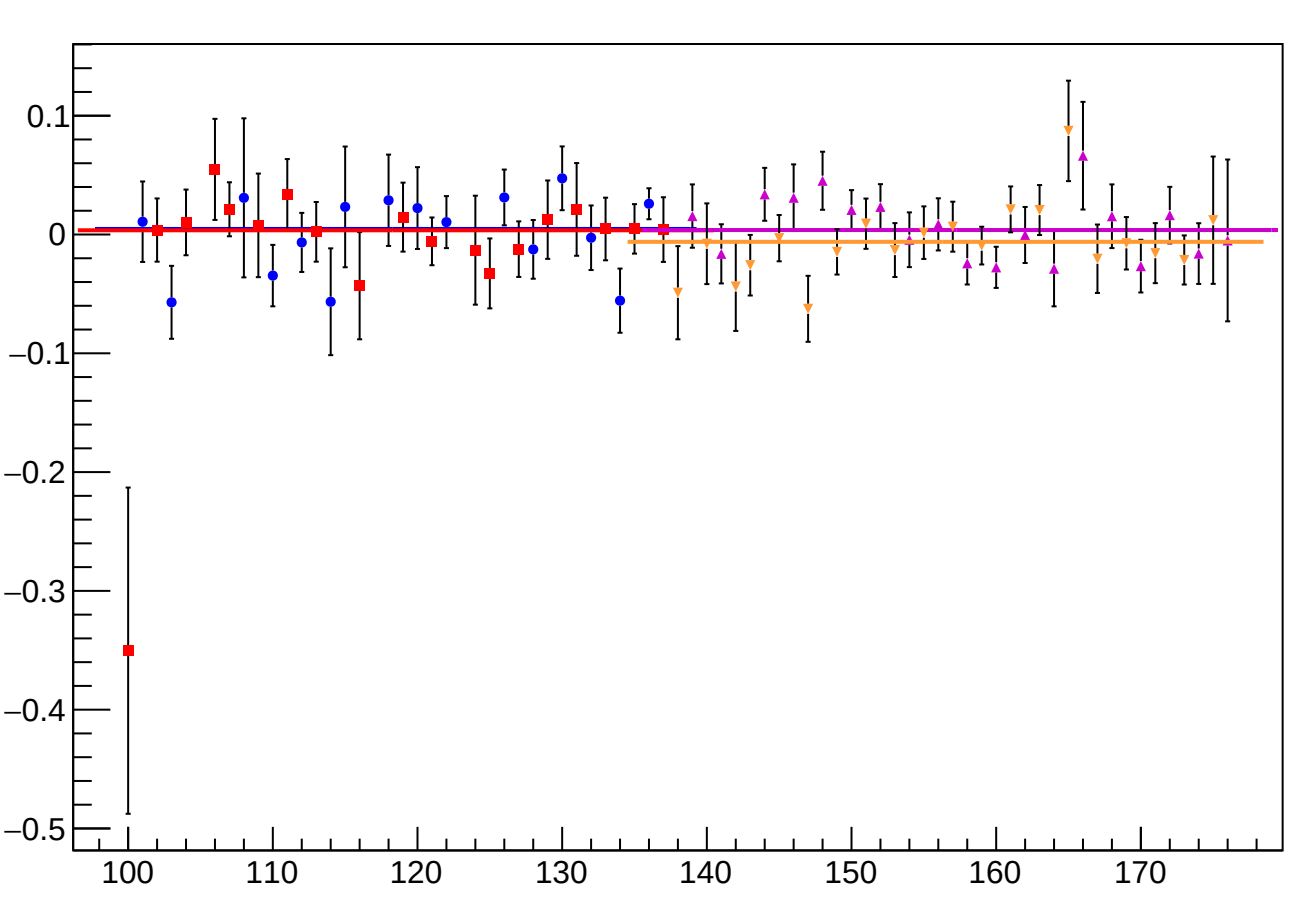
Left: 0.000+/-0.000 χ^2/NDF: 2188823.6/38

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3500079.6/34

Out: 0.000+/-0.000 χ^2/NDF:2422034.3/38

All: 0.000+/-0.000 χ^2/NDF: 6025358.2/73



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

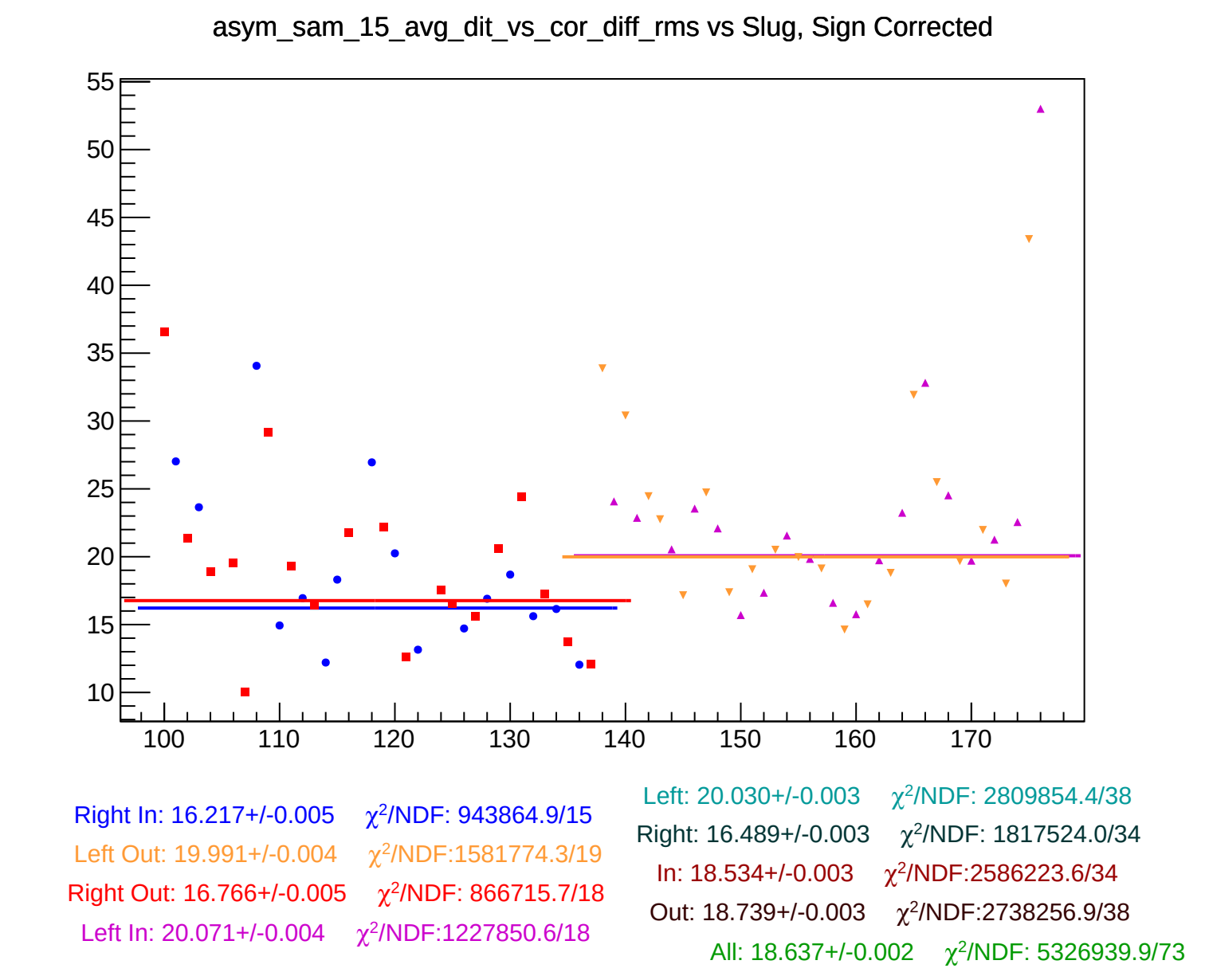
Left: -0.001+/-0.004 χ^2/NDF: 40.0/38

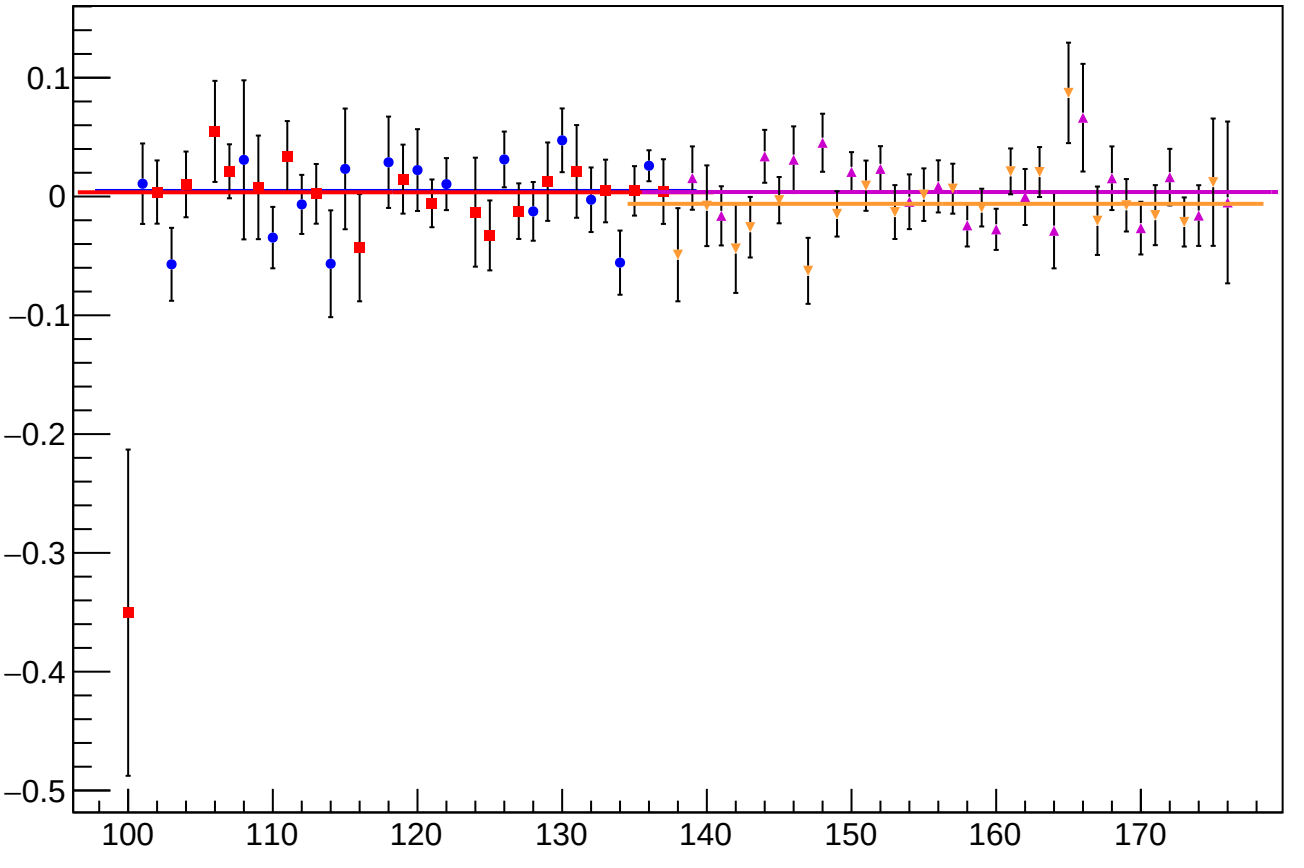
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/73


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.991+/-0.004 χ²/NDF:1581774.3/19
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.071+/-0.004 χ²/NDF:1227850.6/18
Left: 20.030+/-0.003 χ²/NDF: 2809854.4/38
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 18.534+/-0.003 χ²/NDF:2586223.6/34
Out: 18.739+/-0.003 χ²/NDF:2738256.9/38
All: 18.637+/-0.002 χ²/NDF: 5326939.9/73



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

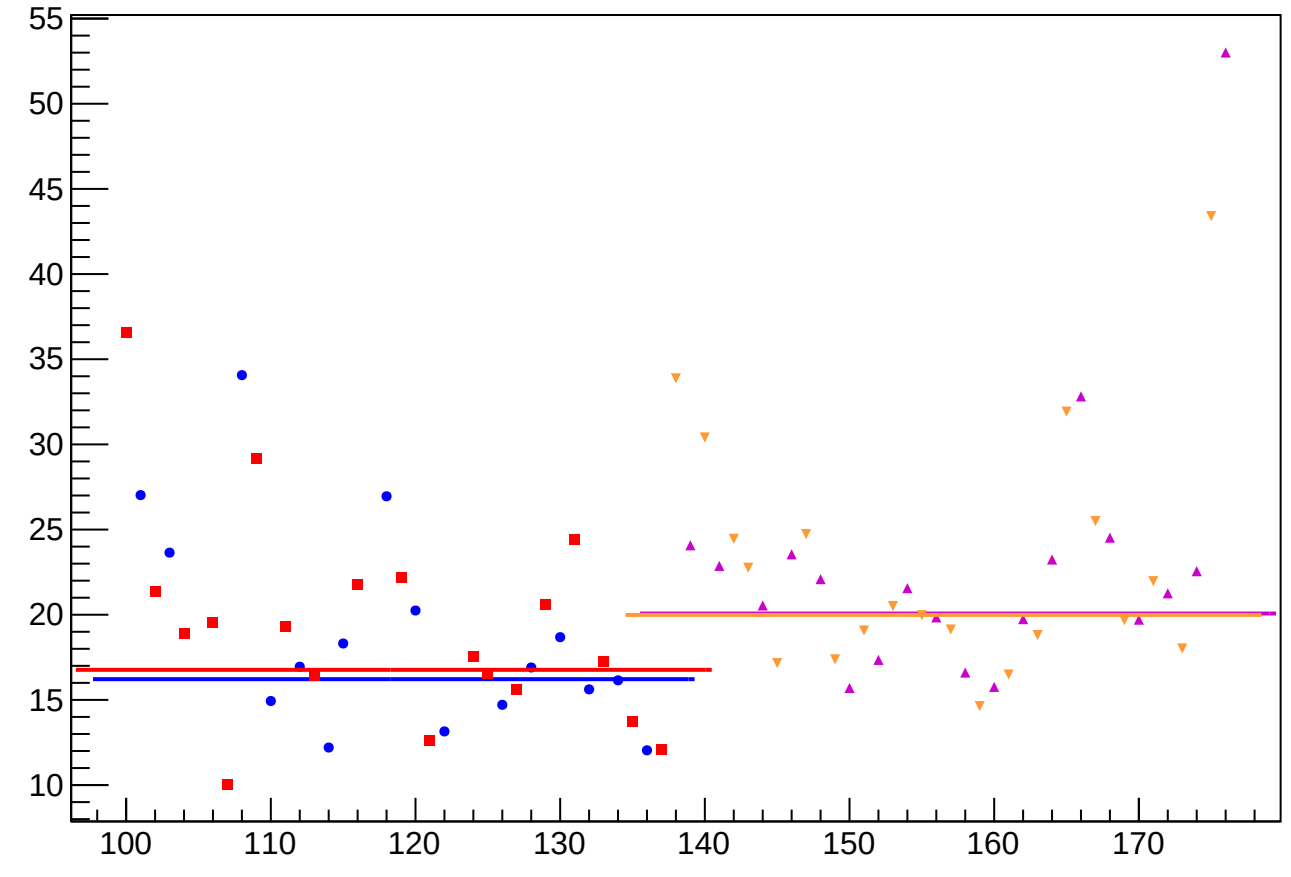
Left: -0.001+/-0.004 χ^2/NDF: 40.0/38

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/73



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581774.3/19

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

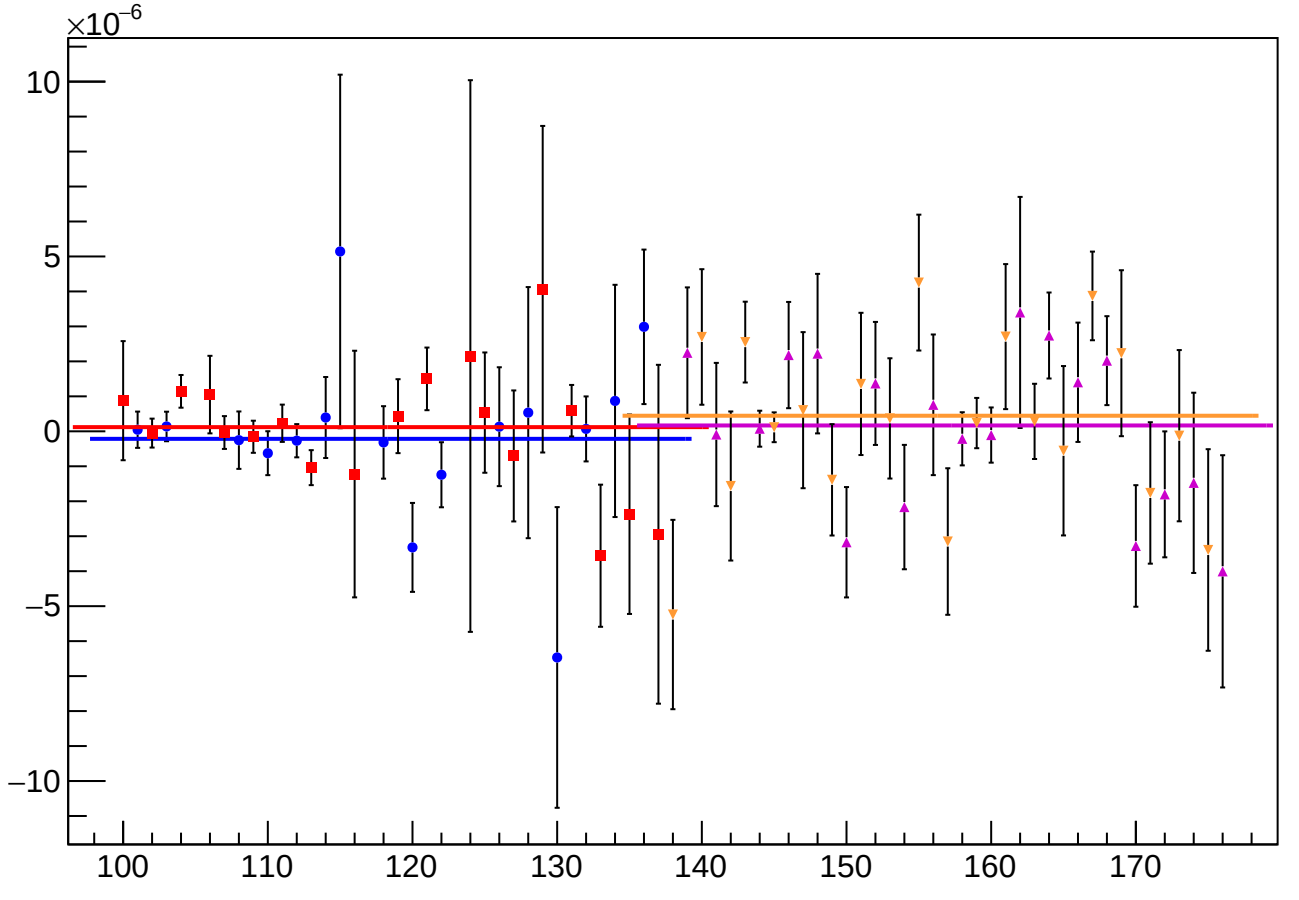
Left: 20.030+/-0.003 χ^2/NDF: 2809854.4/38

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.534+/-0.003 χ^2/NDF:2586223.6/34

Out: 18.739+/-0.003 χ^2/NDF:2738256.9/38

All: 18.637+/-0.002 χ^2/NDF: 5326939.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.1/18

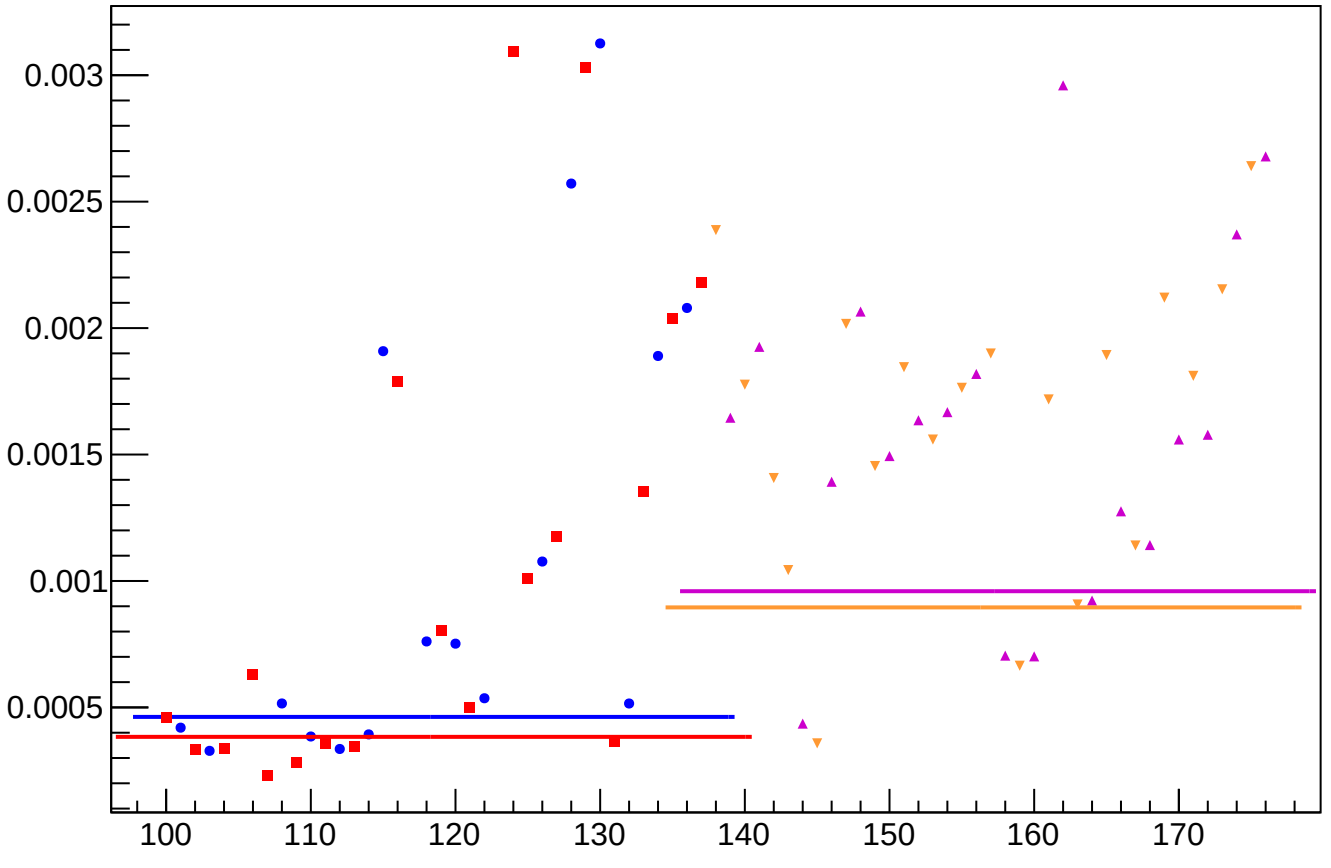
Left: 0.000+/-0.000 χ^2/NDF: 57.8/38

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:41.7/34

Out: 0.000+/-0.000 χ^2/NDF:52.5/38

All: 0.000+/-0.000 χ^2/NDF: 95.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:9831691.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:7519151.2/18

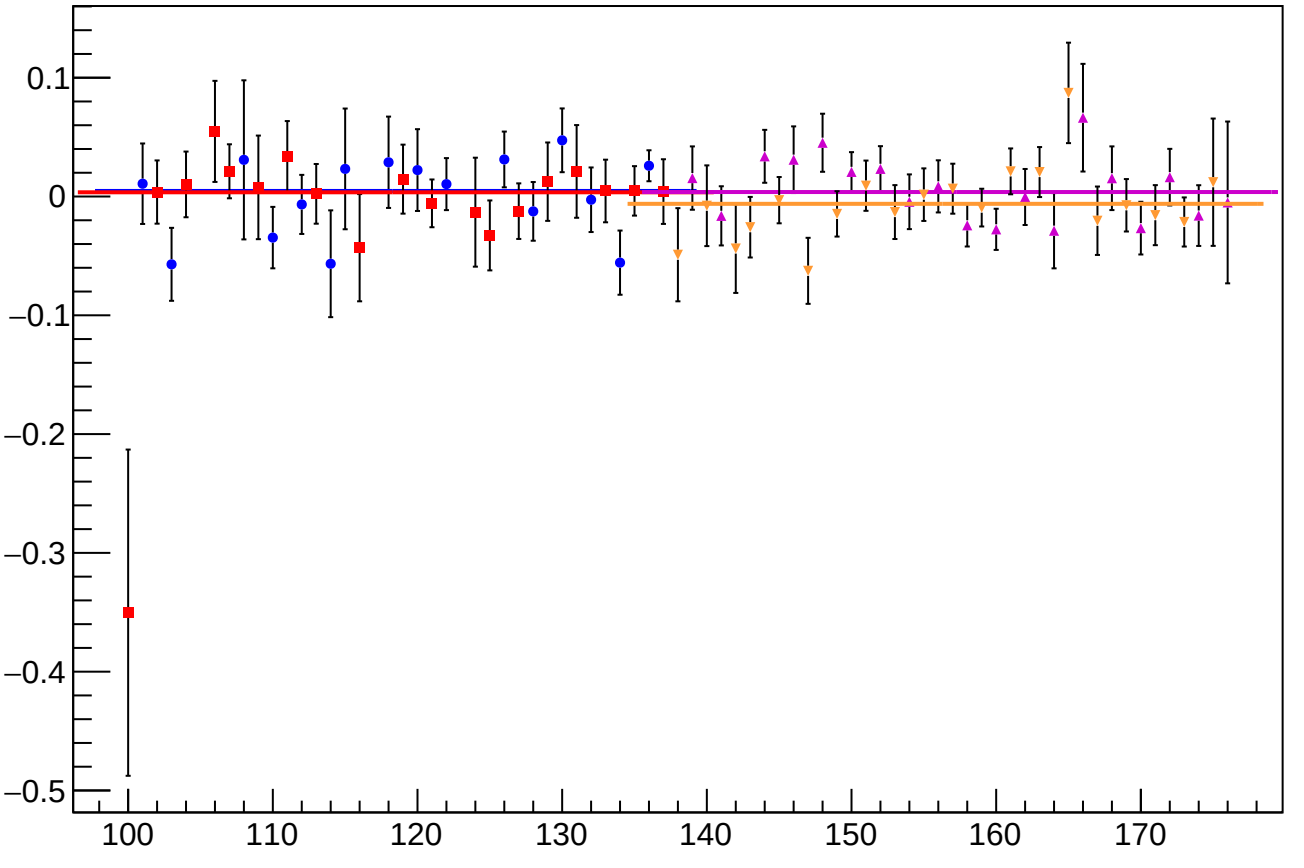
Left: 0.001+/-0.000 χ^2/NDF: 17402511.7/38

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:15474879.2/34

Out: 0.001+/-0.000 χ^2/NDF:18819977.4/38

All: 0.001+/-0.000 χ^2/NDF: 34747944.1/73



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

Left: -0.001+/-0.004 χ^2/NDF: 40.0/38

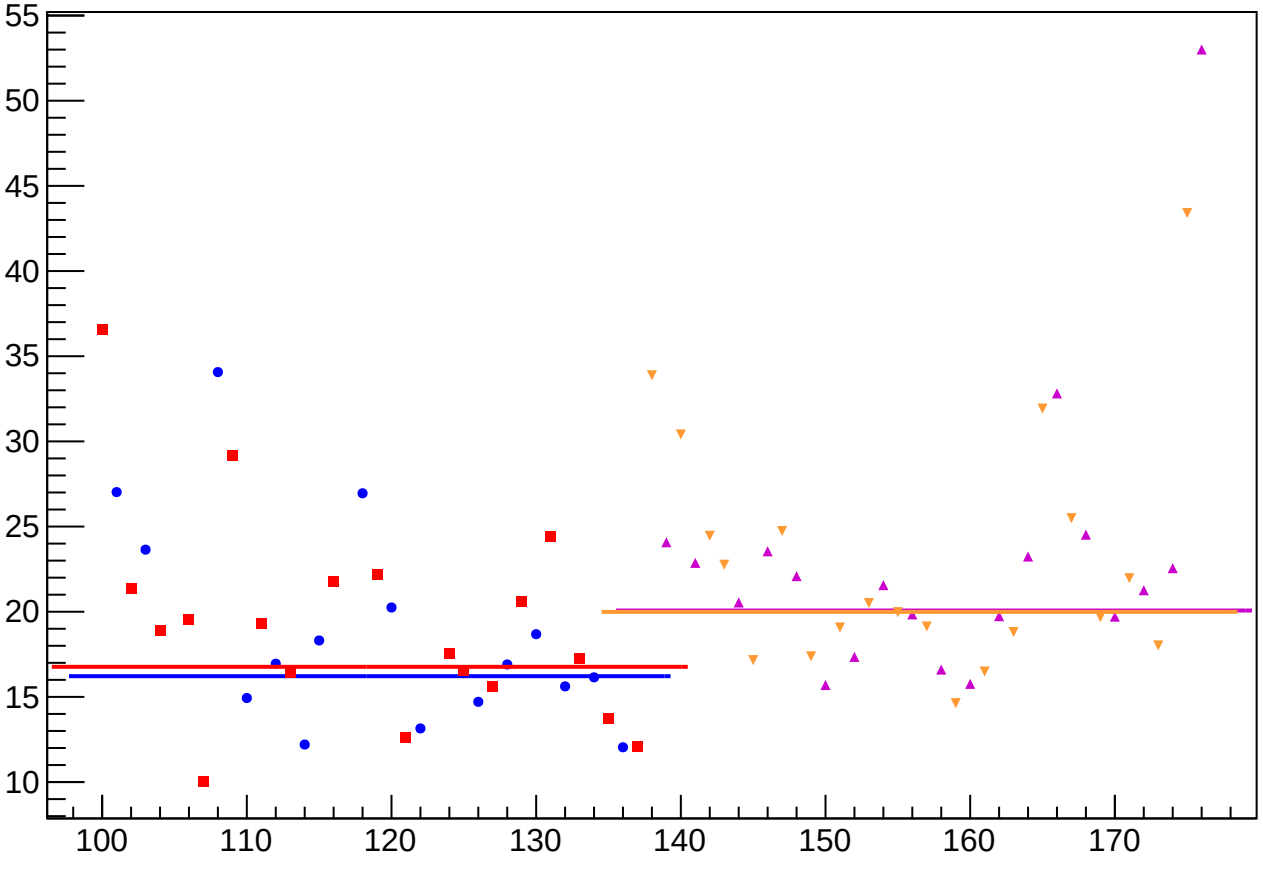
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/73

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

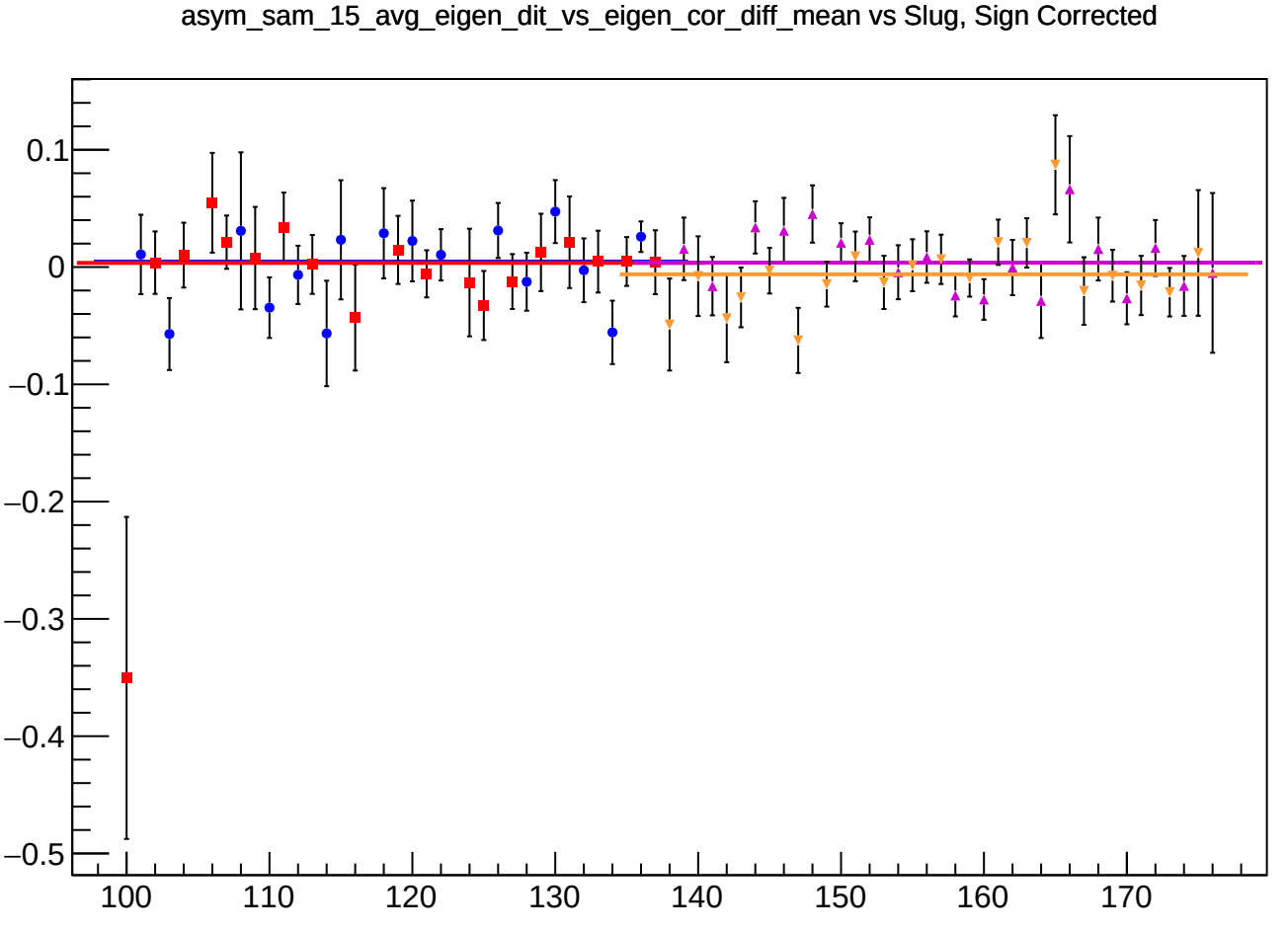
Left: 20.030+/-0.003 χ^2/NDF: 2810024.3/38

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.534+/-0.003 χ^2/NDF:2586346.4/34

Out: 18.739+/-0.003 χ^2/NDF:2738380.4/38

All: 18.637+/-0.002 χ^2/NDF: 5327186.8/73



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.8/19

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

Left: -0.001+/-0.004 χ^2/NDF: 40.0/38

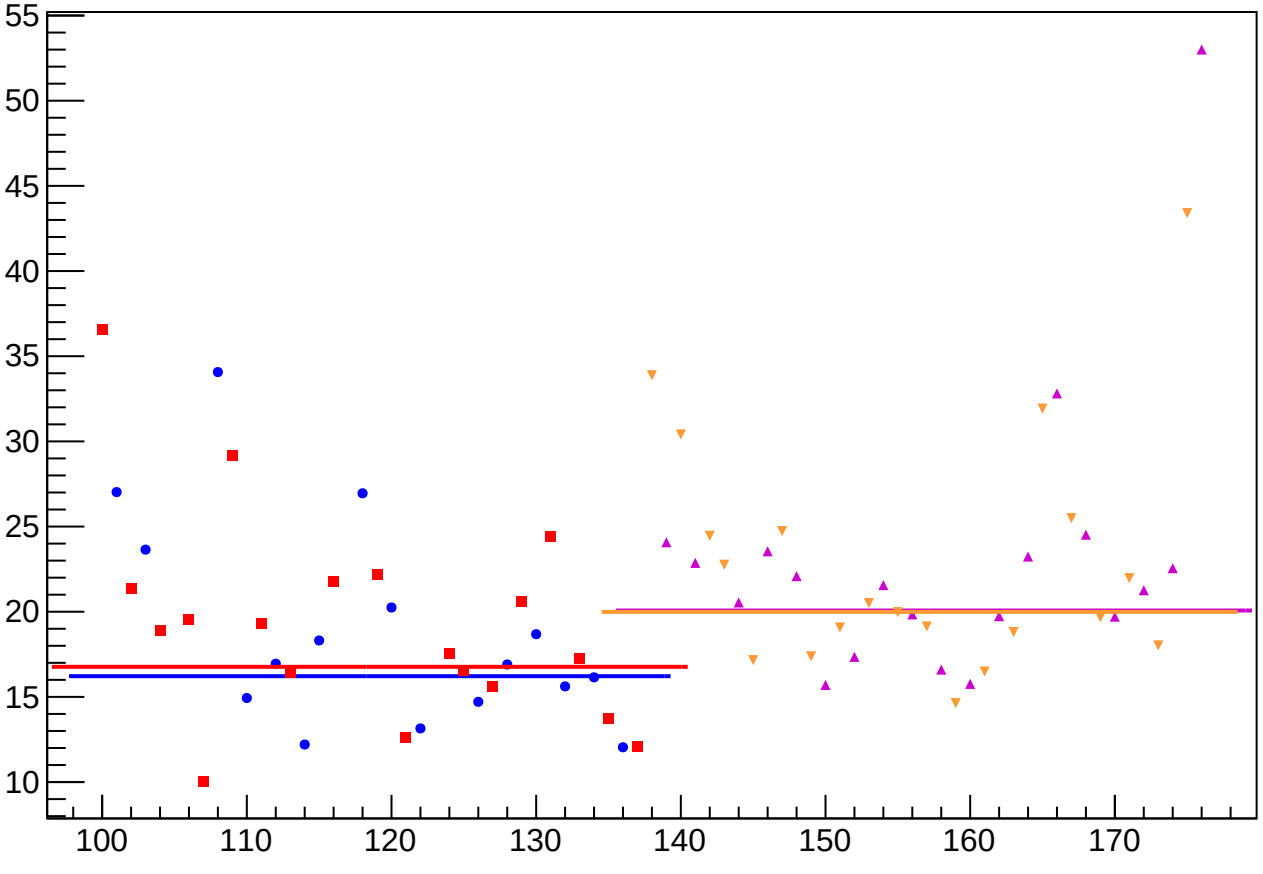
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/38

All: 0.001+/-0.003 χ^2/NDF: 75.9/73

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.991+/-0.004 χ^2/NDF:1581843.9/19

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

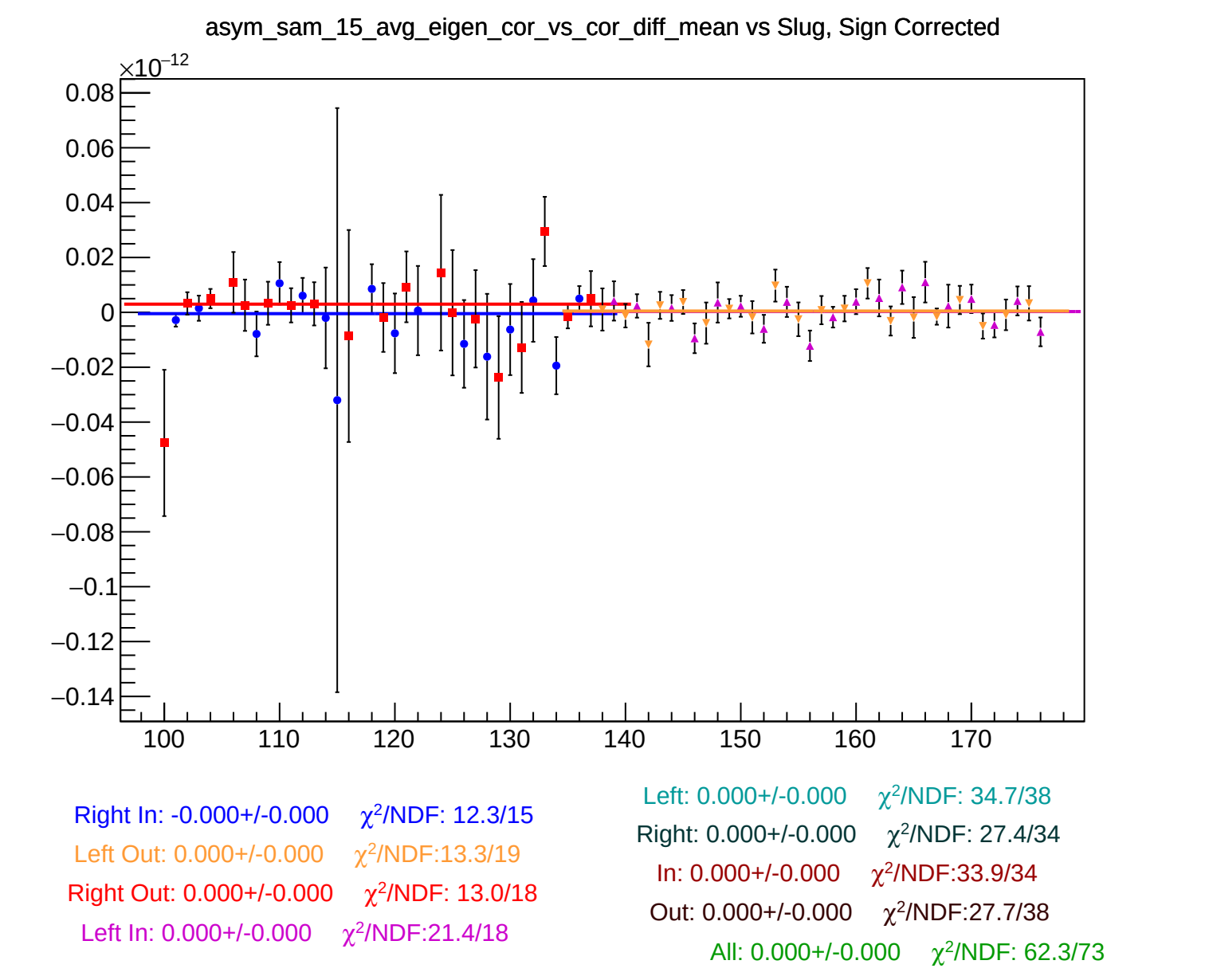
Left: 20.030+/-0.003 χ^2/NDF: 2810024.3/38

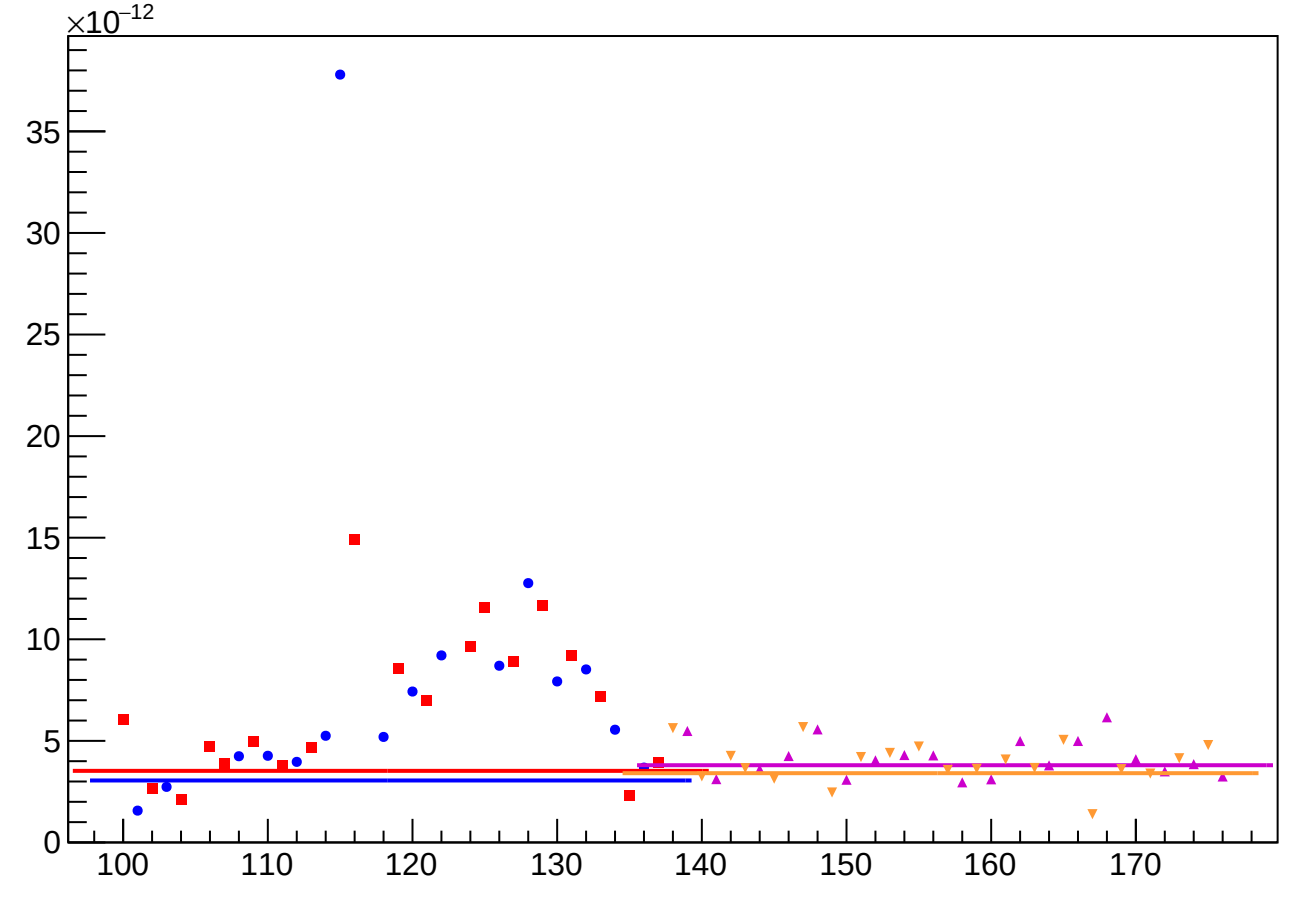
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.534+/-0.003 χ^2/NDF:2586346.4/34

Out: 18.739+/-0.003 χ^2/NDF:2738380.4/38

All: 18.637+/-0.002 χ^2/NDF: 5327186.8/73


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:21.4/18
Left: 0.000+/-0.000 χ²/NDF: 34.7/38
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: 0.000+/-0.000 χ²/NDF:33.9/34
Out: 0.000+/-0.000 χ²/NDF:27.7/38
All: 0.000+/-0.000 χ²/NDF: 62.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1922083.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:881972.1/18

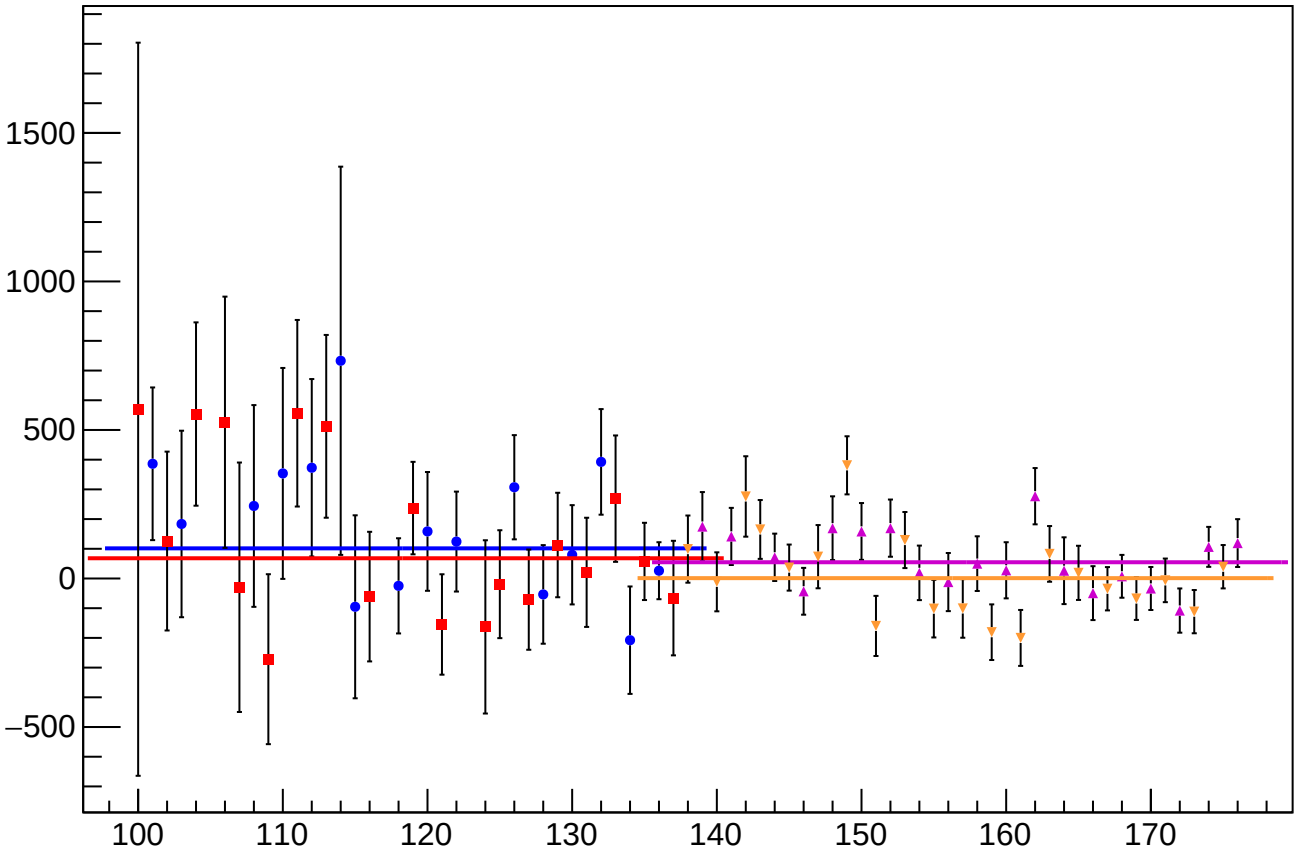
Left: 0.000+/-0.000 χ^2/NDF: 2918269.6/38

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4094435.7/34

Out: 0.000+/-0.000 χ^2/NDF:4487020.3/38

All: 0.000+/-0.000 χ^2/NDF: 8592077.2/73



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

Left: 27.884+/-14.105 χ^2/NDF: 69.2/38

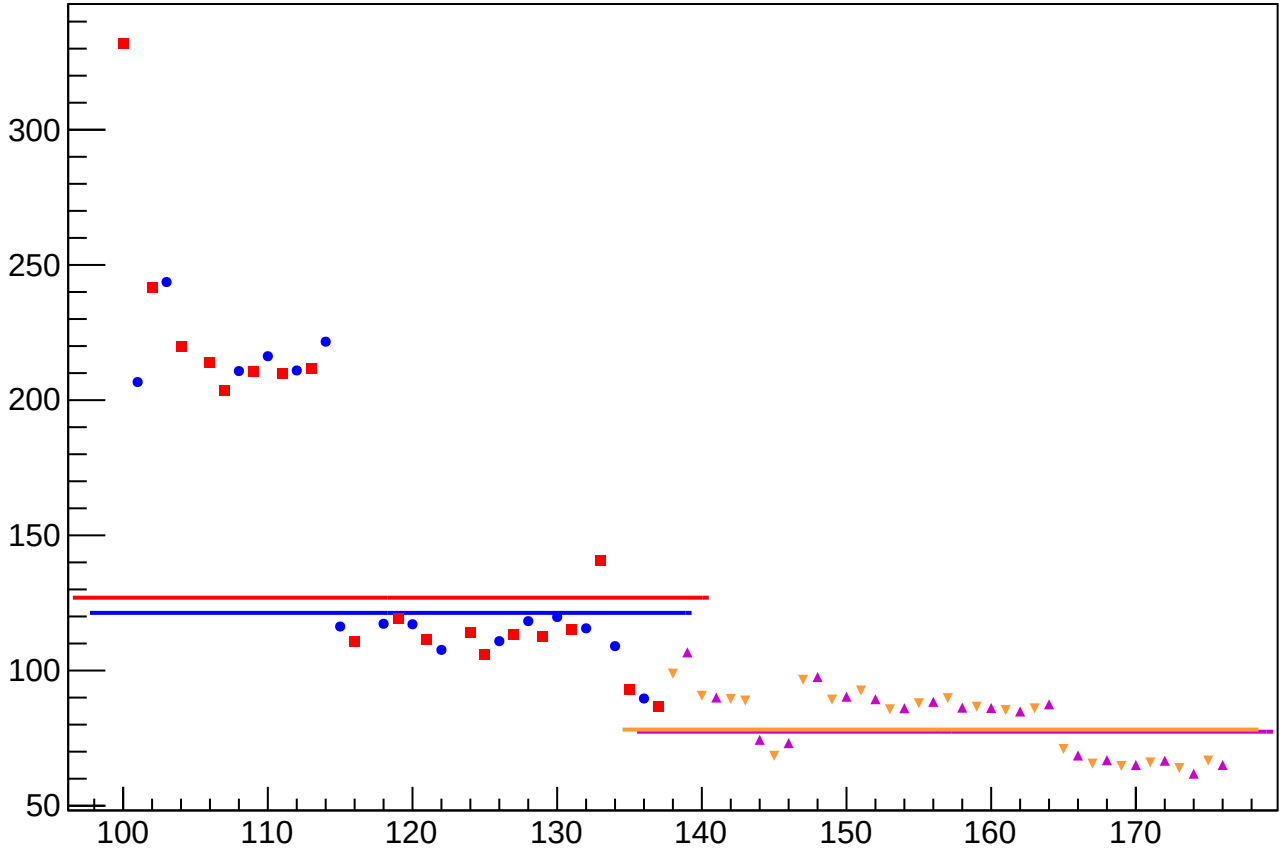
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 61.678+/-18.413 χ^2/NDF:36.9/34

Out: 10.566+/-18.478 χ^2/NDF:60.6/38

All: 36.213+/-13.043 χ^2/NDF: 101.4/73

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 78.163+/-0.014 χ^2/NDF:718252.0/19

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

Left: 77.776+/-0.010 χ^2/NDF: 1451715.9/38

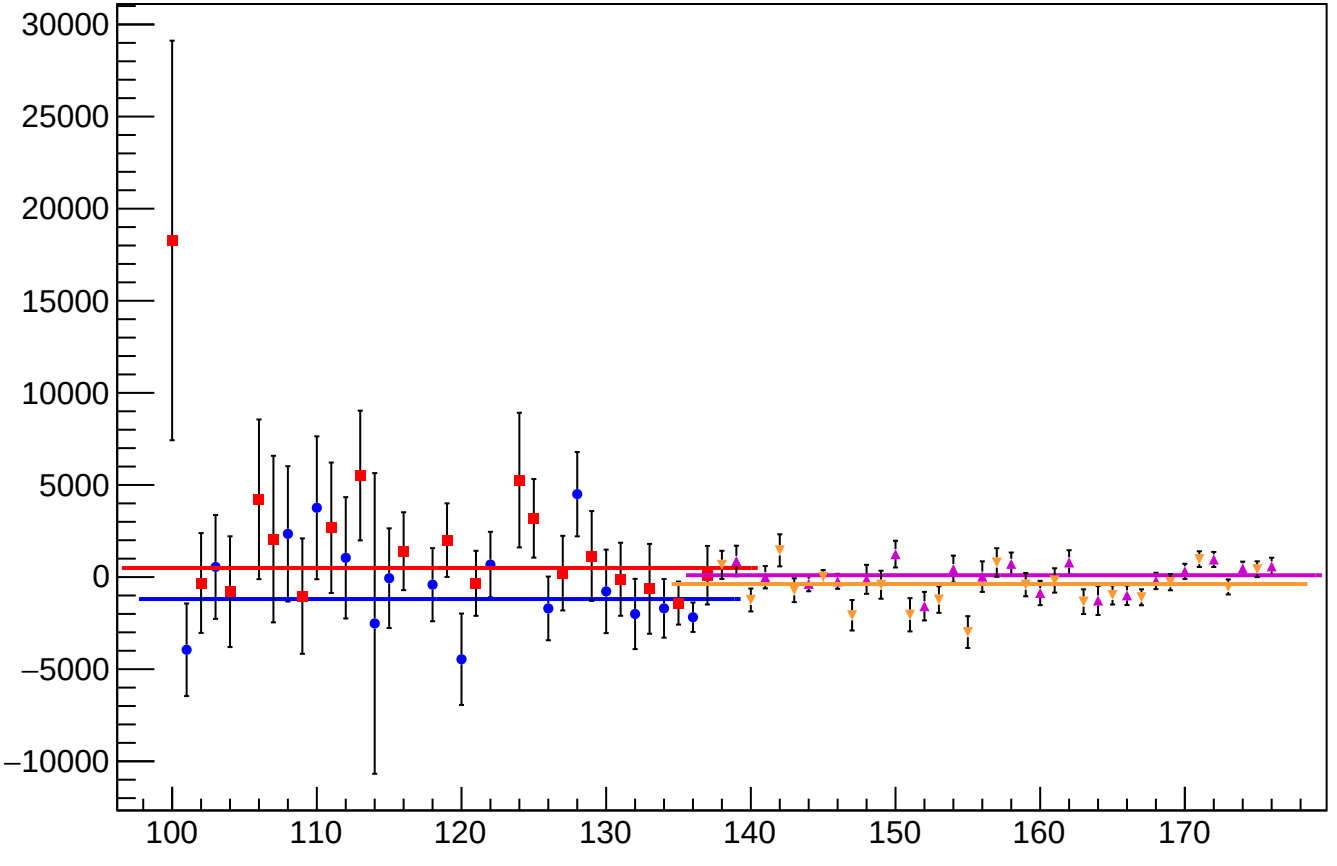
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 83.953+/-0.013 χ^2/NDF:3466207.7/34

Out: 85.008+/-0.013 χ^2/NDF:3871360.5/38

All: 84.479+/-0.009 χ^2/NDF: 7340841.8/73

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -377.578+/-125.887 χ^2/NDF:50.0/19

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 100.185+/-123.107 χ^2/NDF:29.1/18

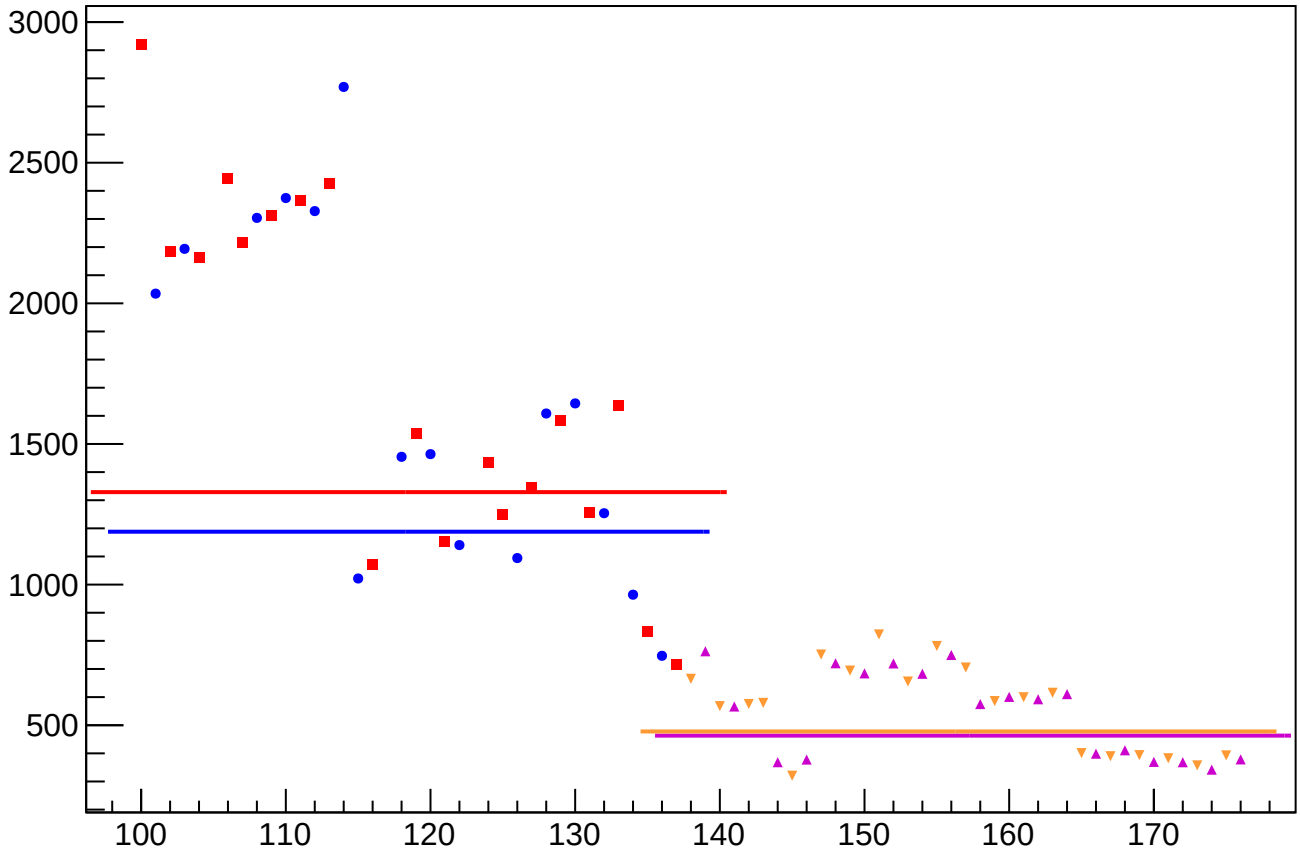
Left: -133.362+/-88.016 χ^2/NDF: 86.4/38

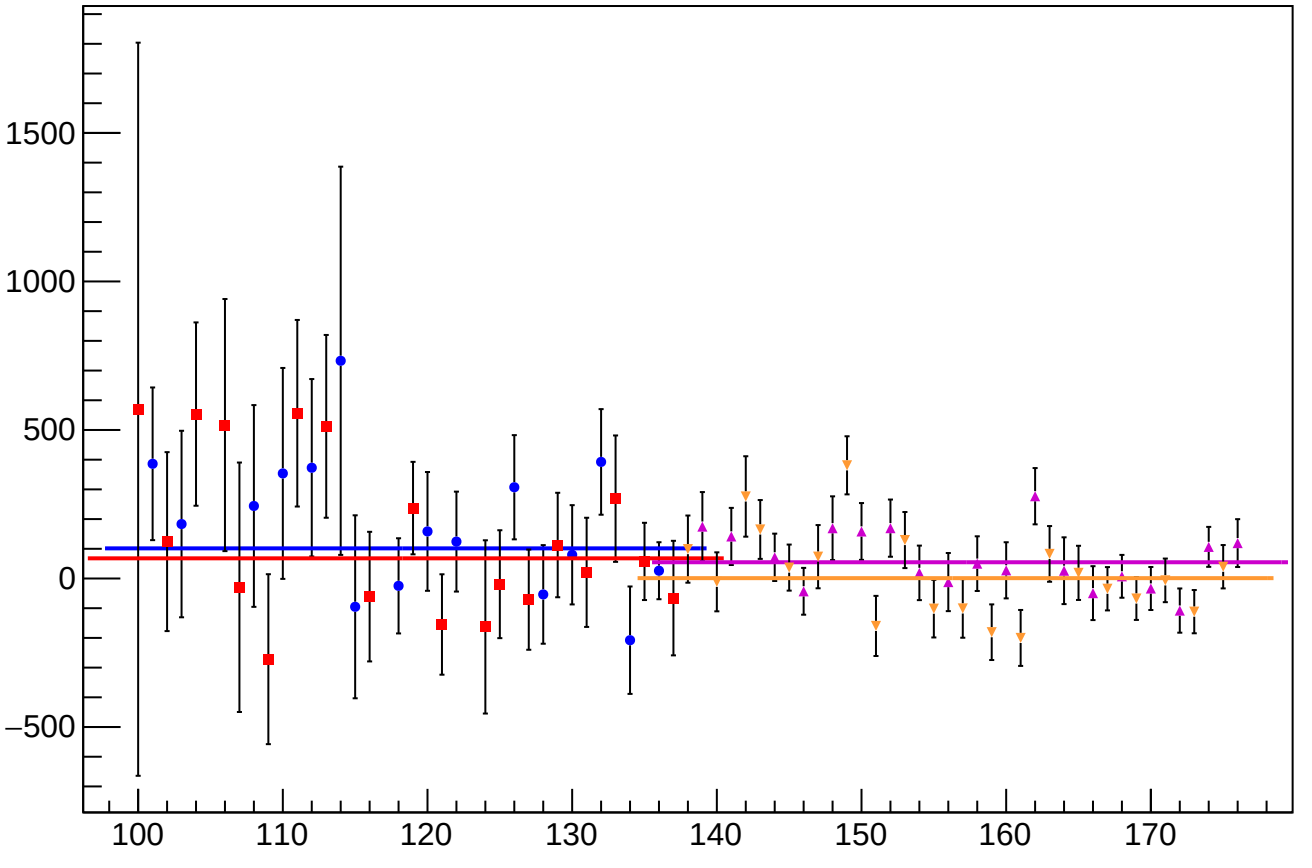
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: 20.082+/-119.230 χ^2/NDF:51.8/34

Out: -329.597+/-122.375 χ^2/NDF:66.5/38

All: -150.206+/-85.399 χ^2/NDF: 122.5/73


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: 477.874+/-0.089 χ²/NDF:2590927.2/19
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 463.070+/-0.087 χ²/NDF:2398669.4/18
Left: 470.307+/-0.062 χ²/NDF: 5003735.3/38
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 508.007+/-0.084 χ²/NDF:8742749.8/34
Out: 524.686+/-0.087 χ²/NDF:9575841.5/38
All: 516.129+/-0.060 χ²/NDF: 18337649.9/73



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

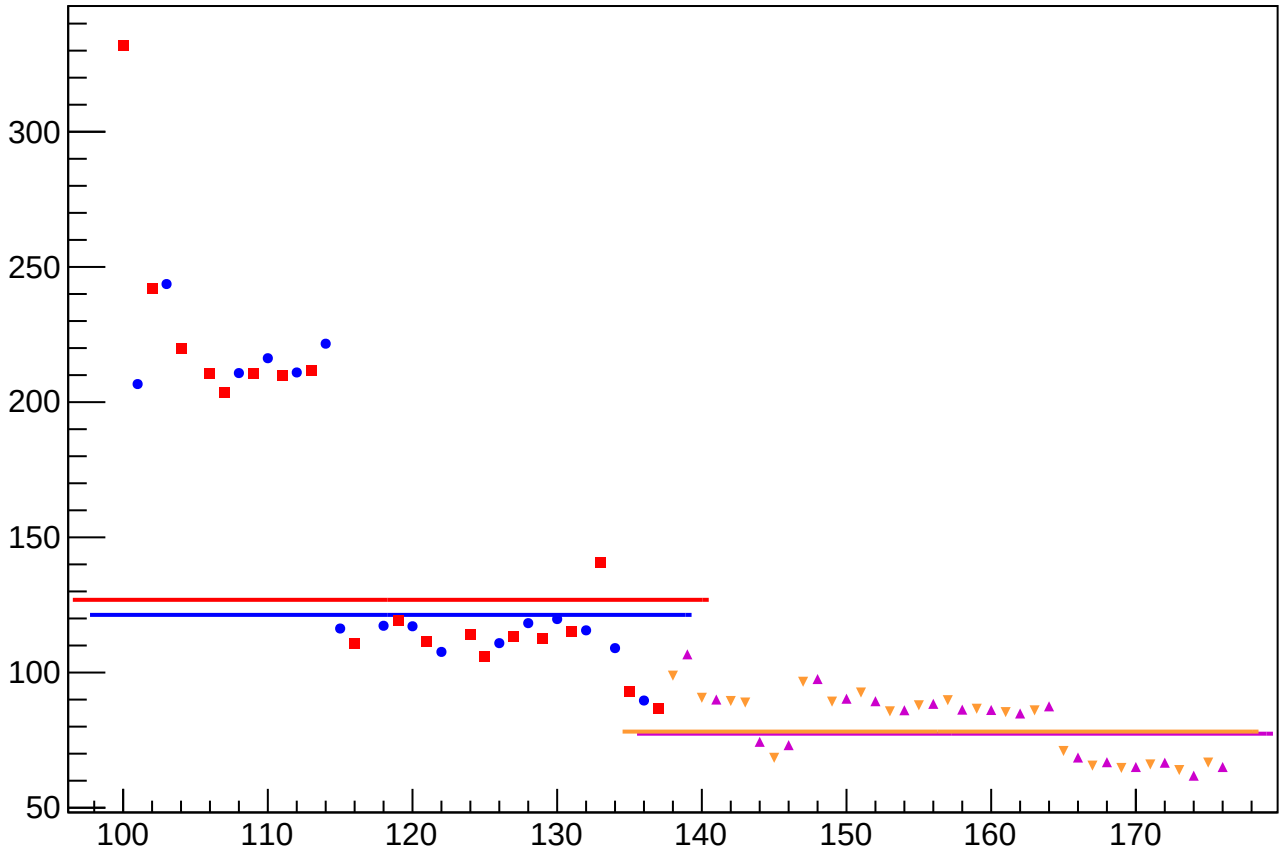
Left: 27.883+/-14.105 χ^2/NDF: 69.2/38

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 61.675+/-18.413 χ^2/NDF:36.9/34

Out: 10.534+/-18.479 χ^2/NDF:60.6/38

All: 36.196+/-13.043 χ^2/NDF: 101.3/73



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

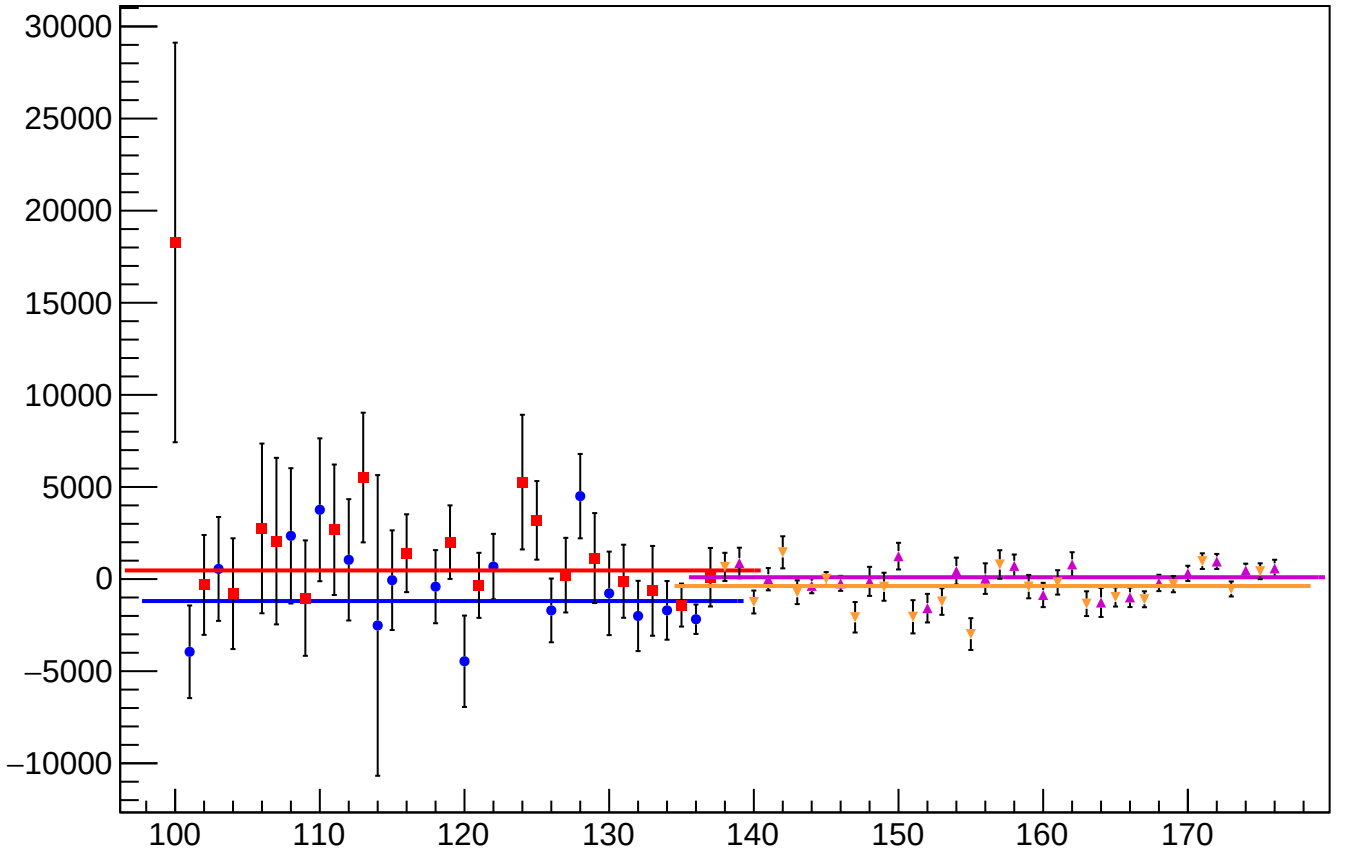
Left: 77.776+/-0.010 χ^2/NDF: 1451715.8/38

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.953+/-0.013 χ^2/NDF:3466209.8/34

Out: 85.001+/-0.013 χ^2/NDF:3861620.4/38

All: 84.475+/-0.009 χ^2/NDF: 7331055.9/73



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 100.186+/-123.107 χ^2/NDF:29.1/18

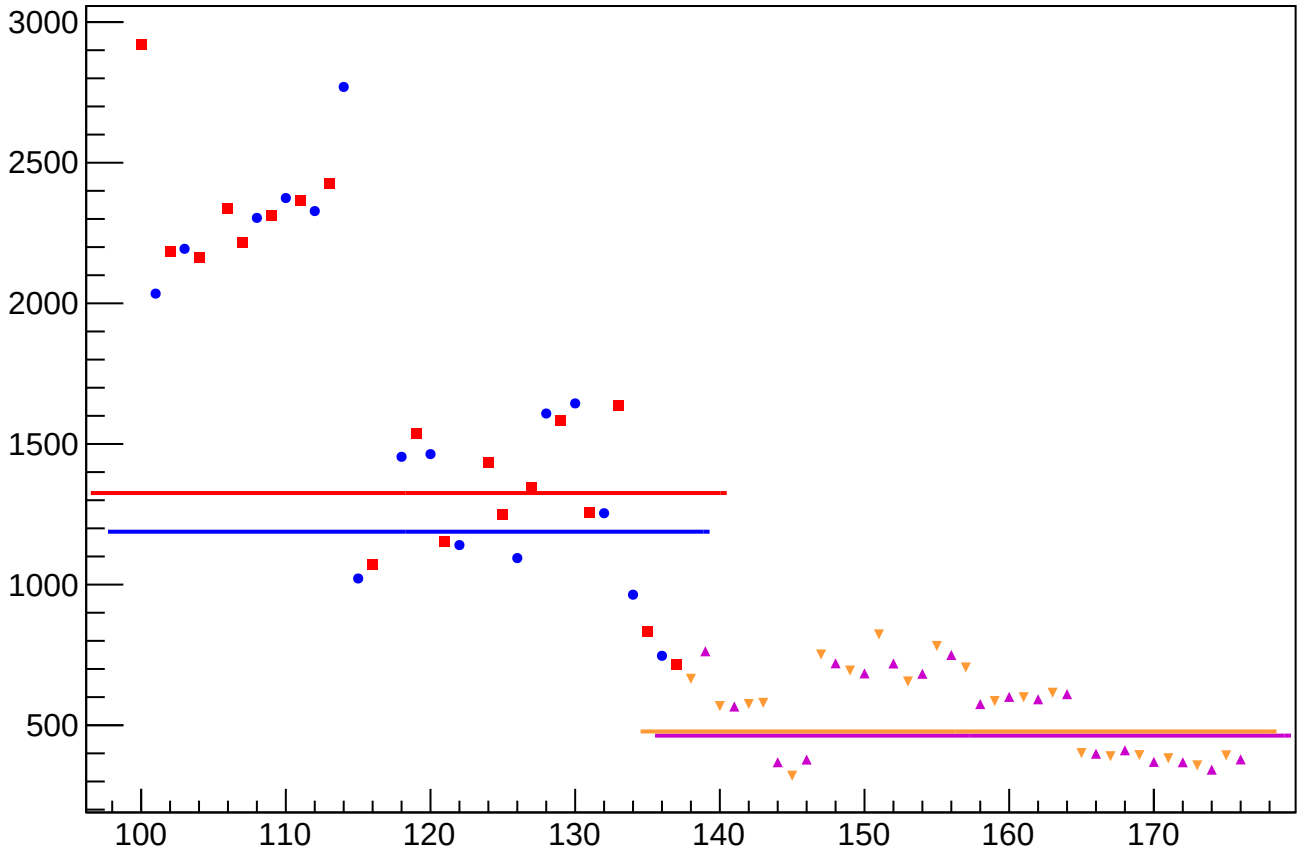
Left: -133.361+/-88.016 χ^2/NDF: 86.4/38

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 20.084+/-119.230 χ^2/NDF:51.8/34

Out: -331.039+/-122.381 χ^2/NDF:65.8/38

All: -150.899+/-85.401 χ^2/NDF: 121.9/73



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

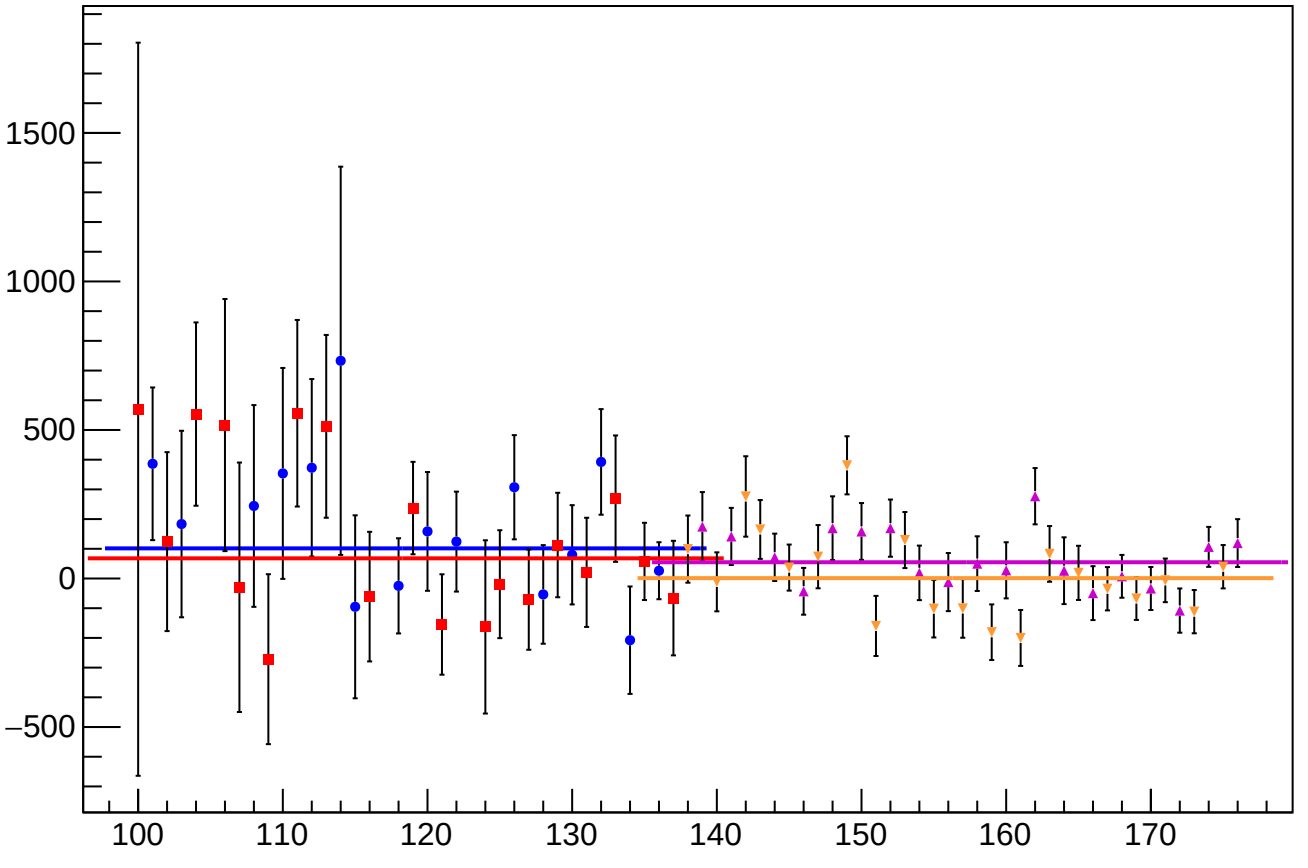
Left: 470.307+/-0.062 χ^2/NDF: 5003747.2/38

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 508.007+/-0.084 χ^2/NDF:8742772.4/34

Out: 524.431+/-0.087 χ^2/NDF:9492649.3/38

All: 516.005+/-0.060 χ^2/NDF: 18253902.0/73



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 1.173+/-19.930 χ^2/NDF:42.9/19

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

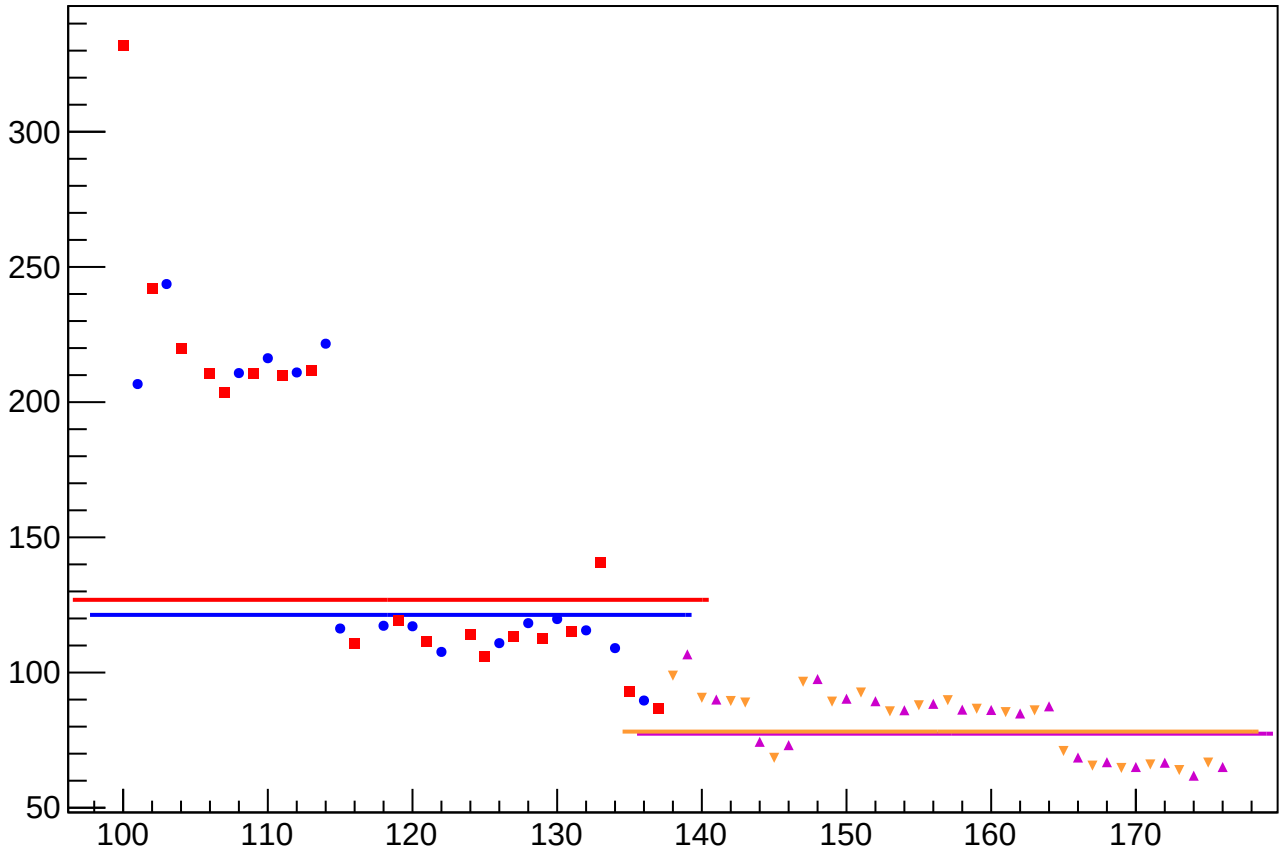
Left: 27.883+/-14.105 χ^2/NDF: 69.2/38

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 61.675+/-18.413 χ^2/NDF:36.9/34

Out: 10.534+/-18.479 χ^2/NDF:60.6/38

All: 36.196+/-13.043 χ^2/NDF: 101.3/73



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 78.163+/-0.014 χ^2/NDF:718251.9/19

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

Left: 77.776+/-0.010 χ^2/NDF: 1451715.8/38

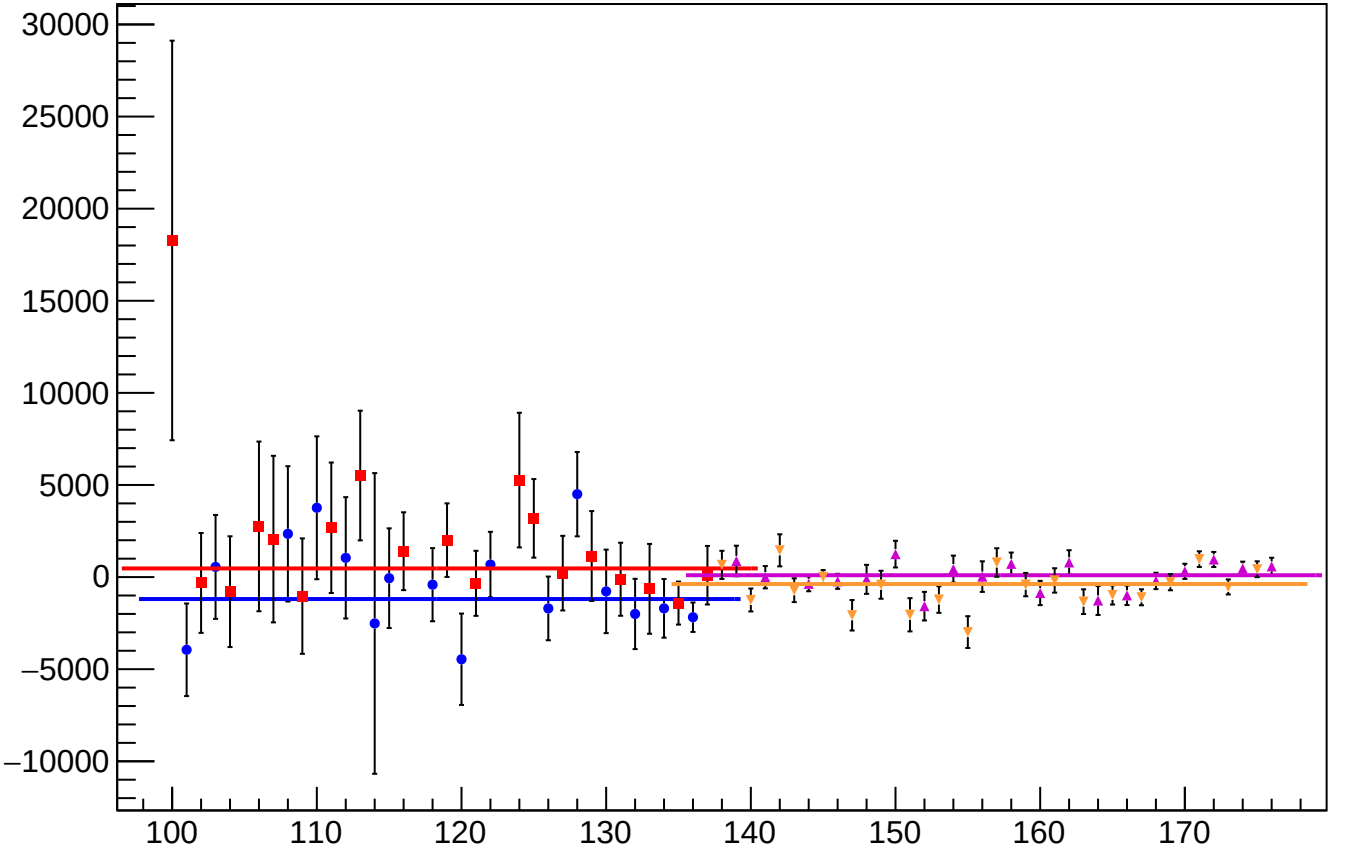
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.953+/-0.013 χ^2/NDF:3466209.8/34

Out: 85.001+/-0.013 χ^2/NDF:3861620.4/38

All: 84.475+/-0.009 χ^2/NDF: 7331055.9/73

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: -377.575+/-125.887 χ^2/NDF:50.0/19

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 100.186+/-123.107 χ^2/NDF:29.1/18

Left: -133.361+/-88.016 χ^2/NDF: 86.4/38

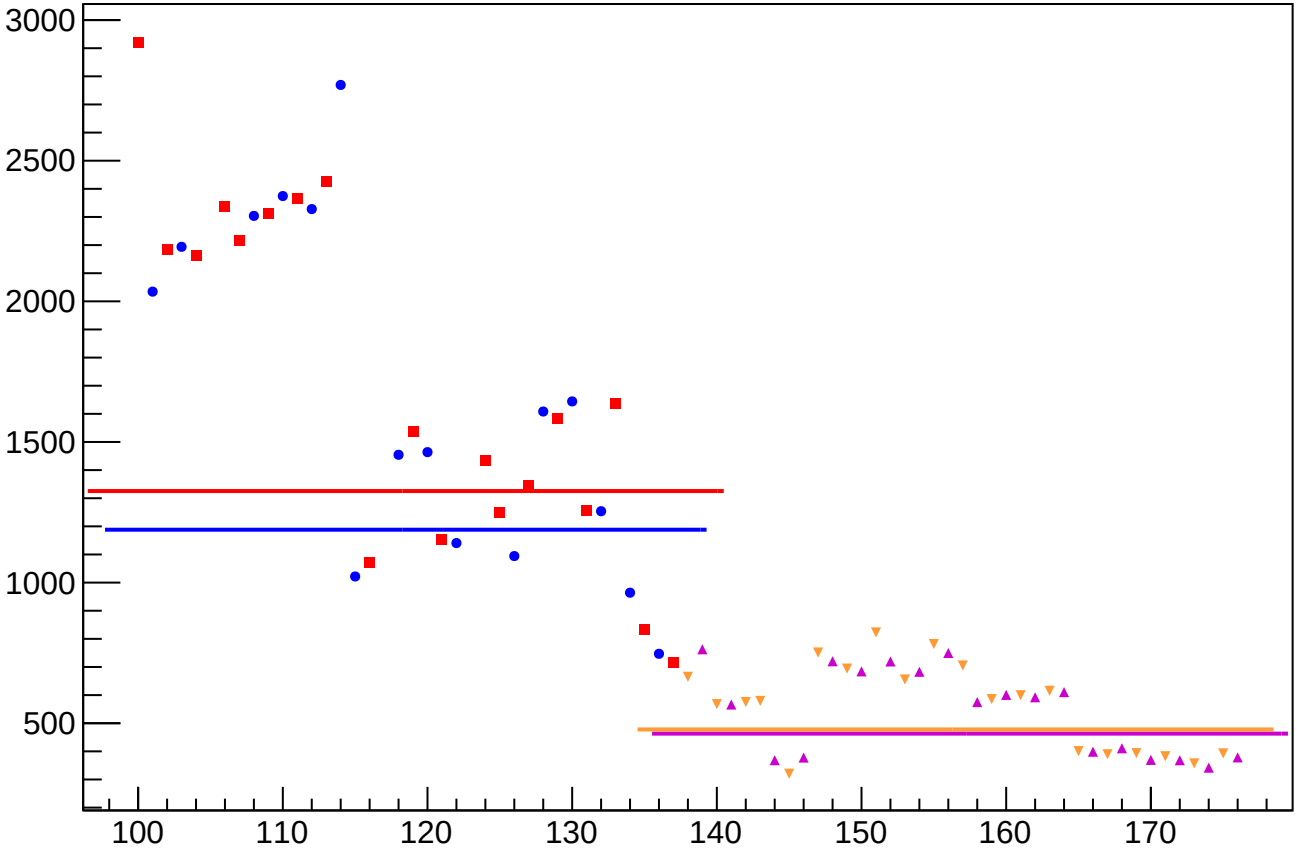
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 20.084+/-119.230 χ^2/NDF:51.8/34

Out: -331.039+/-122.381 χ^2/NDF:65.8/38

All: -150.899+/-85.401 χ^2/NDF: 121.9/73

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 477.874+/-0.089 χ^2/NDF:2590934.4/19

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

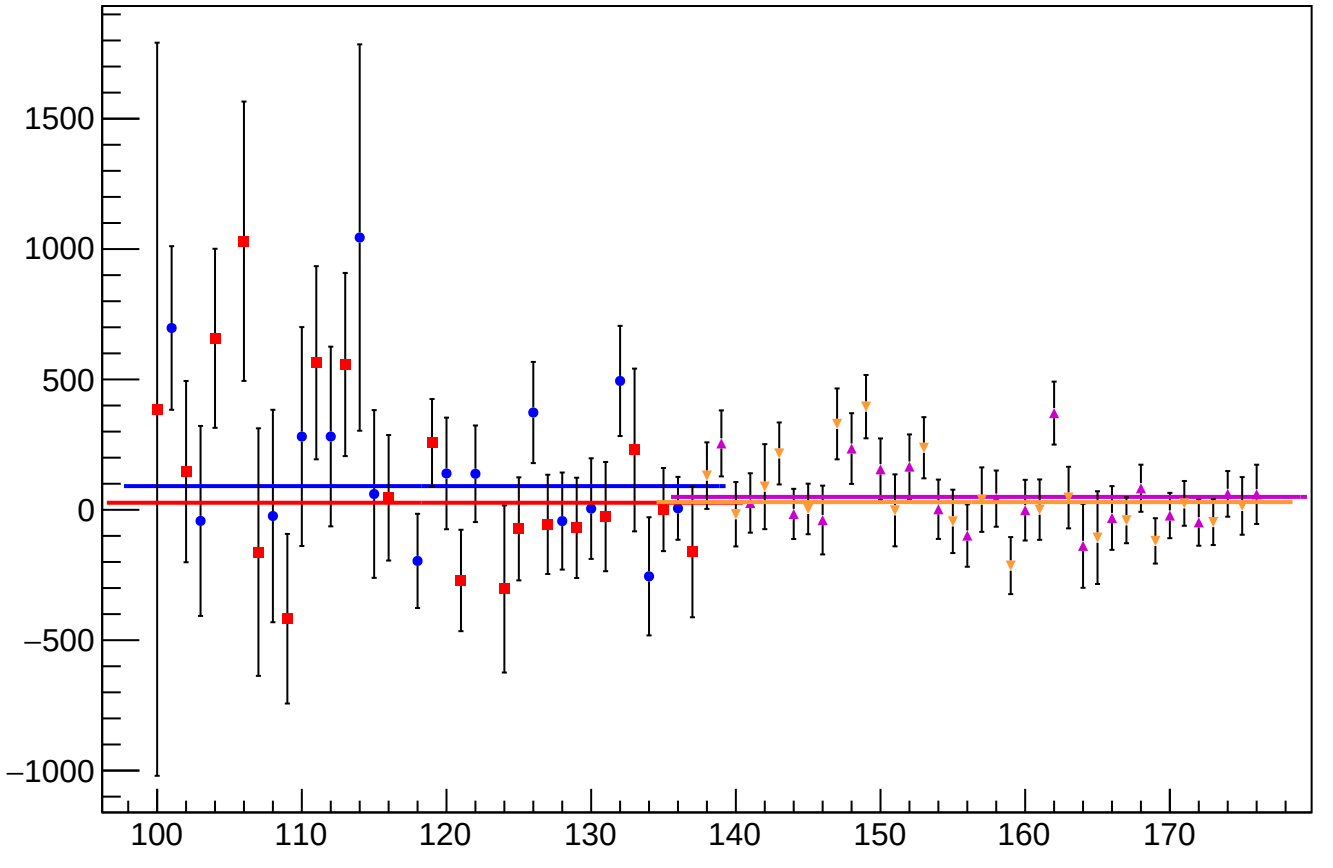
Left: 470.307+/-0.062 χ^2/NDF: 5003747.2/38

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 508.007+/-0.084 χ^2/NDF:8742772.4/34

Out: 524.431+/-0.087 χ^2/NDF:9492649.3/38

All: 516.005+/-0.060 χ^2/NDF: 18253902.0/73



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 29.596+/-25.069 χ^2/NDF:31.0/19

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.529+/-25.281 χ^2/NDF:19.9/18

Left: 39.478+/-17.801 χ^2/NDF: 51.2/38

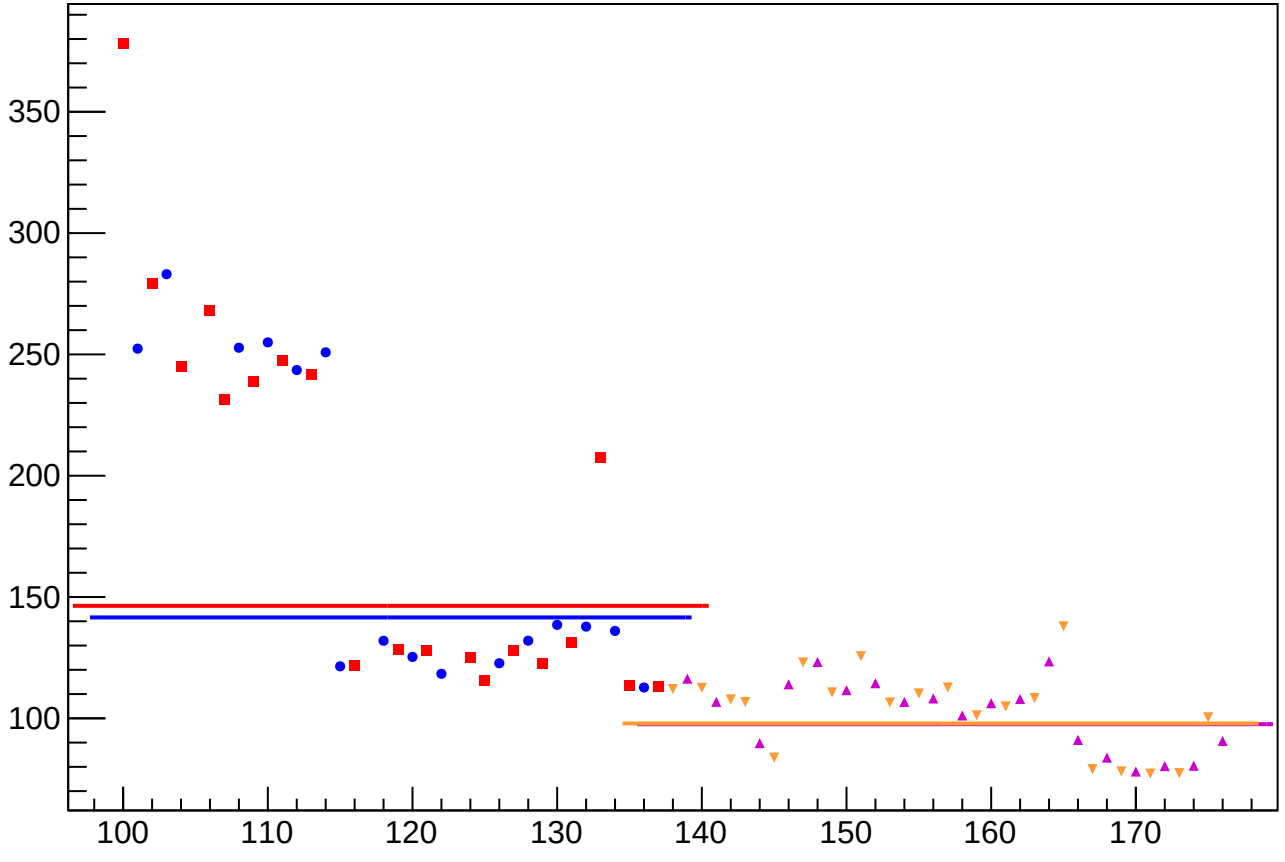
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.626+/-23.011 χ^2/NDF:38.5/34

Out: 29.203+/-22.949 χ^2/NDF:51.5/38

All: 42.877+/-16.249 χ^2/NDF: 90.7/73

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.880+/-0.018 χ^2/NDF:891843.4/19

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.581+/-0.018 χ^2/NDF:657875.4/18

Left: 97.732+/-0.013 χ^2/NDF: 1549859.1/38

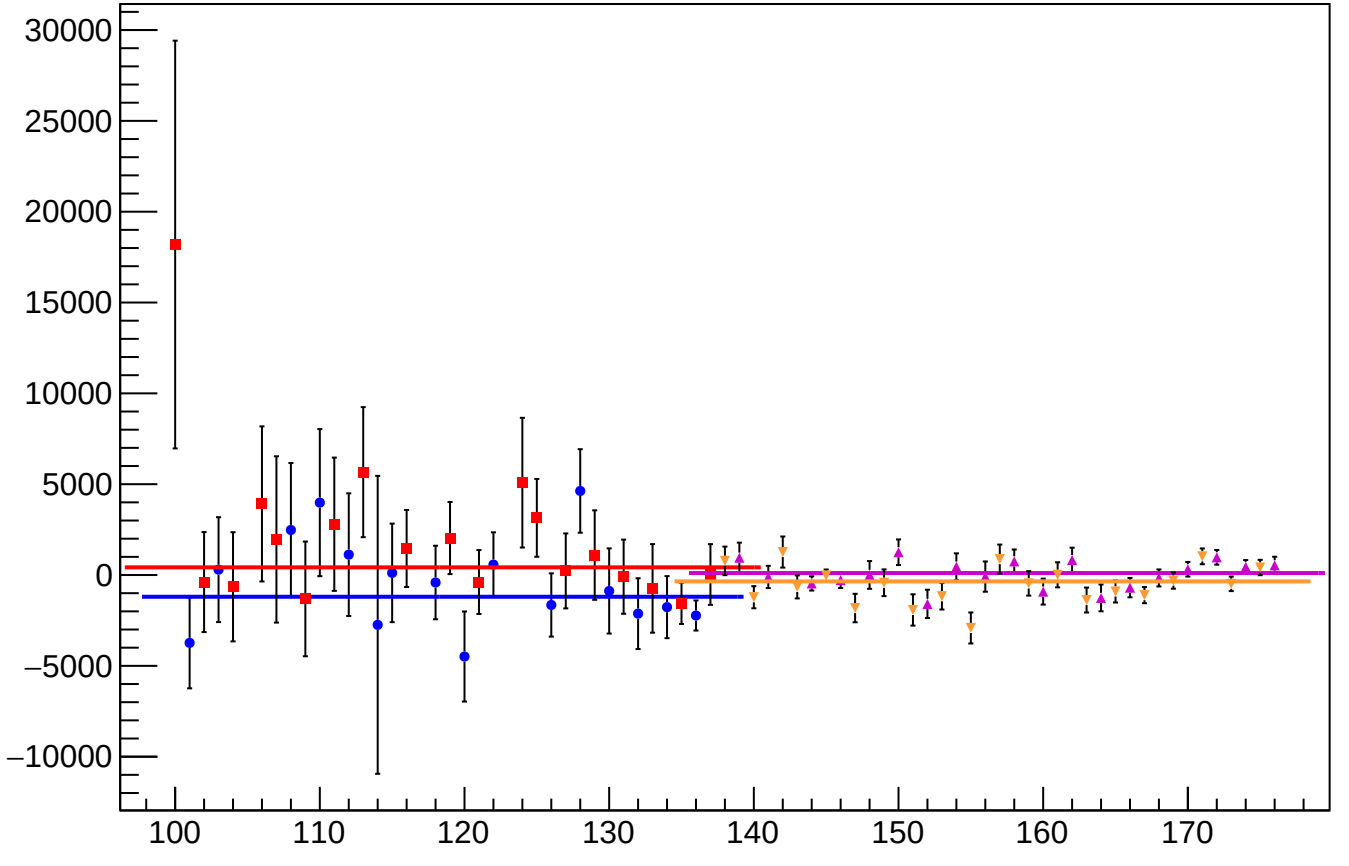
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 105.129+/-0.016 χ^2/NDF:2959503.4/34

Out: 105.735+/-0.016 χ^2/NDF:3617695.2/38

All: 105.433+/-0.011 χ^2/NDF: 6577895.2/73

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 108.738+/-124.063 χ^2/NDF:28.5/18

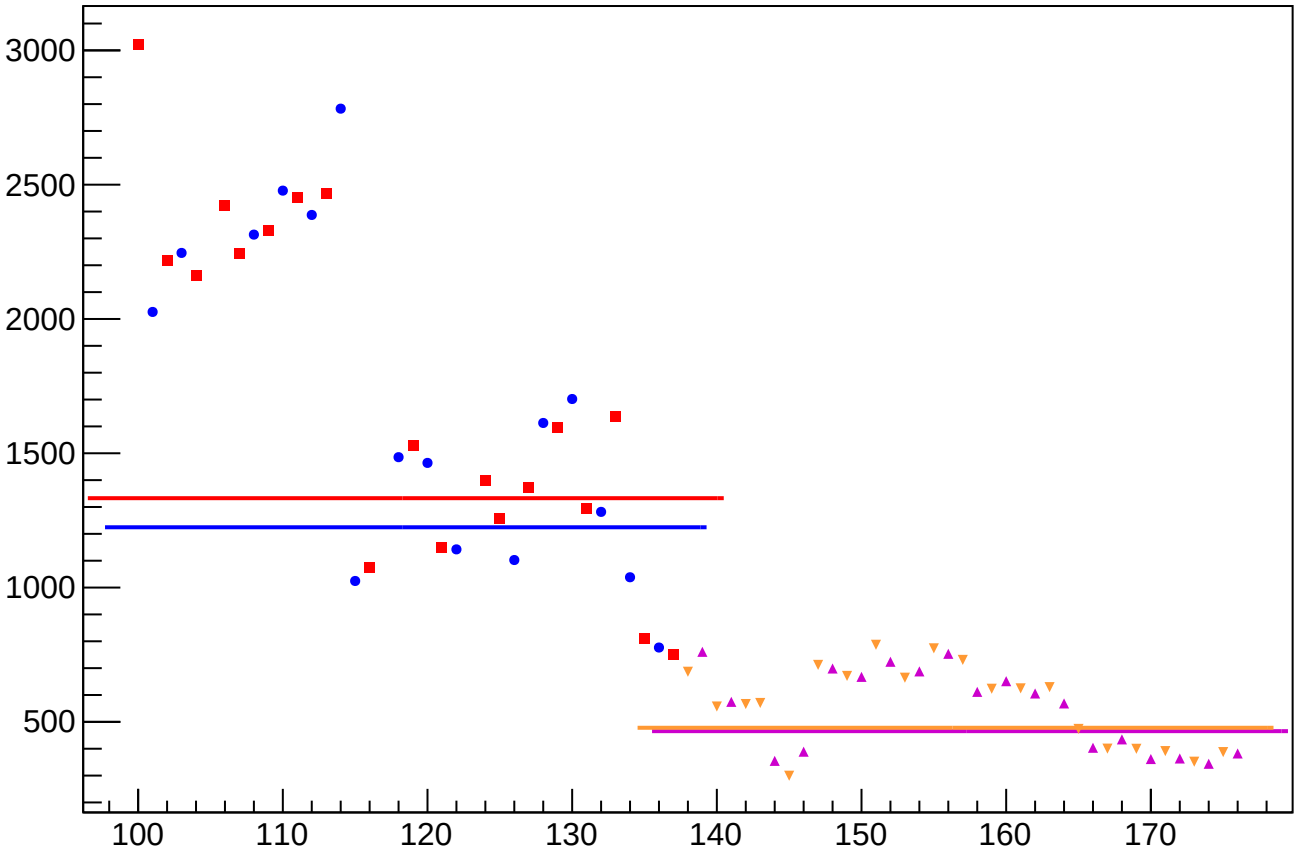
Left: -117.799+/-88.360 χ^2/NDF: 83.2/38

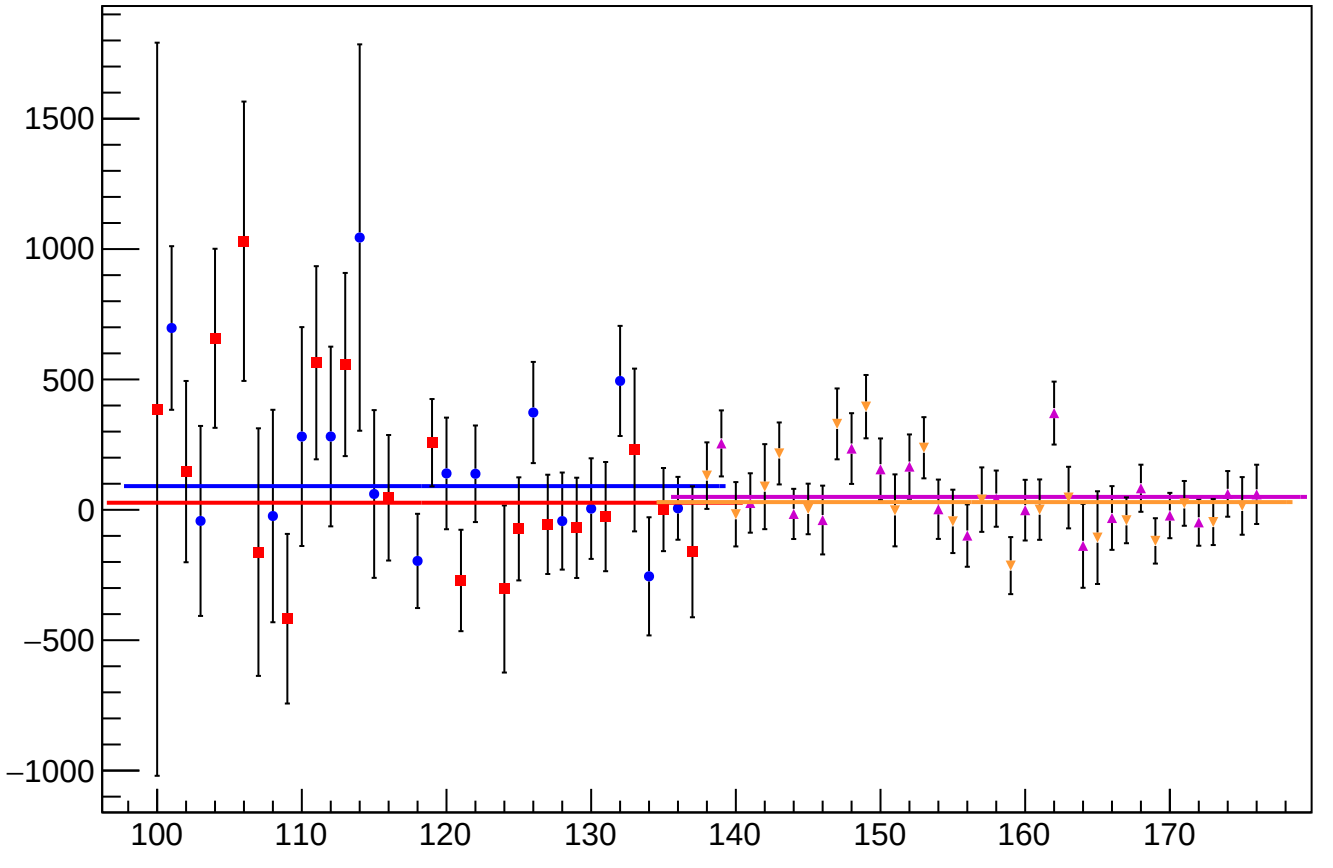
Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: 30.513+/-120.288 χ^2/NDF:51.1/34

Out: -308.798+/-122.392 χ^2/NDF:64.3/38

All: -136.201+/-85.791 χ^2/NDF: 119.3/73


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: 478.018+/-0.089 χ²/NDF:2726626.0/19
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 465.404+/-0.088 χ²/NDF:2462813.5/18
Left: 471.619+/-0.062 χ²/NDF: 5199626.9/38
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 510.890+/-0.085 χ²/NDF:8908702.3/34
Out: 524.680+/-0.087 χ²/NDF:9755958.5/38
All: 517.666+/-0.061 χ²/NDF: 18677574.9/73



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 29.594+/-25.069 χ^2/NDF:31.0/19

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.528+/-25.281 χ^2/NDF:19.9/18

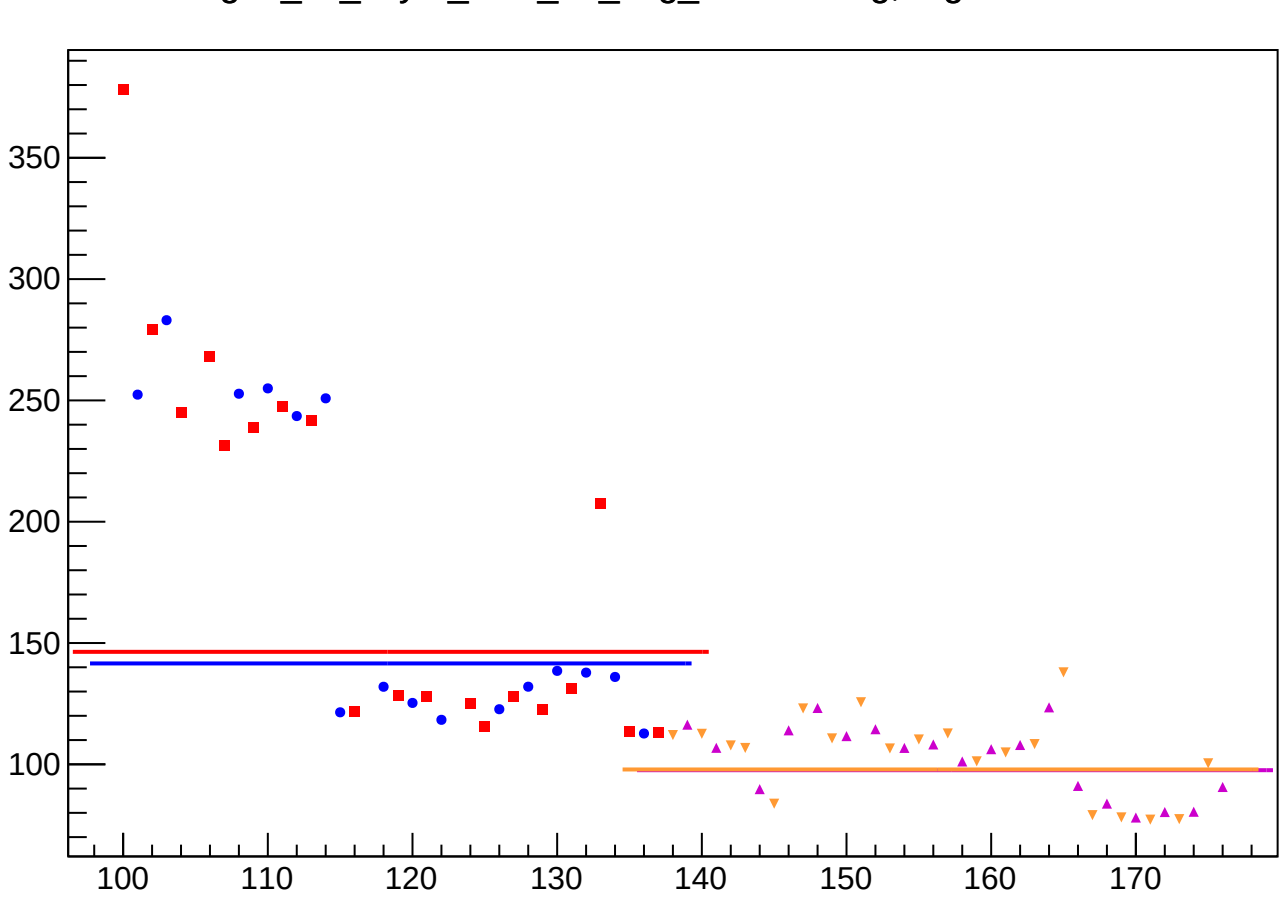
Left: 39.477+/-17.801 χ^2/NDF: 51.2/38

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.625+/-23.011 χ^2/NDF:38.5/34

Out: 29.201+/-22.949 χ^2/NDF:51.5/38

All: 42.876+/-16.249 χ^2/NDF: 90.7/73



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.880+/-0.018 χ^2/NDF:891840.1/19

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.582+/-0.018 χ^2/NDF:657864.9/18

Left: 97.732+/-0.013 χ^2/NDF: 1549845.2/38

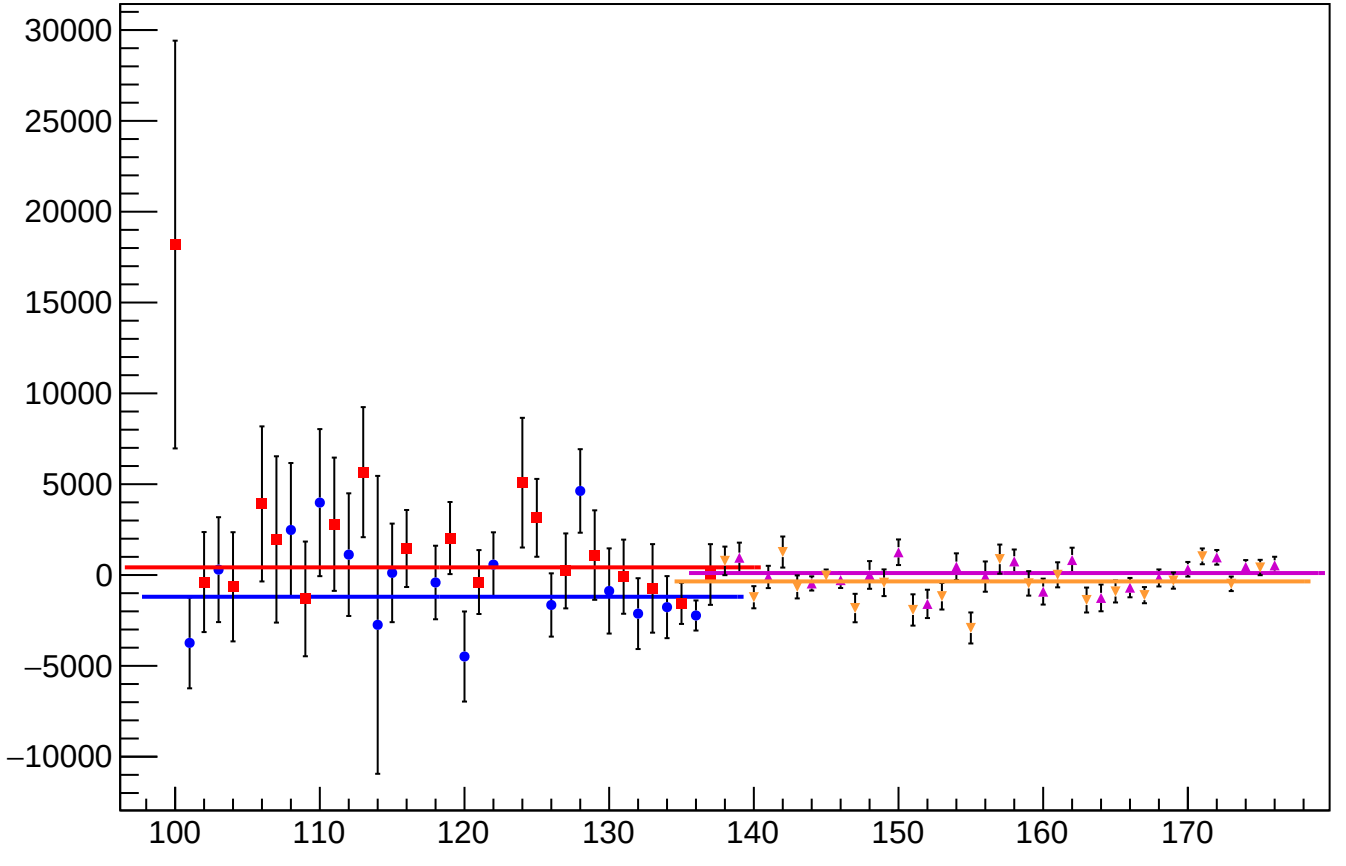
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 105.129+/-0.016 χ^2/NDF:2959433.7/34

Out: 105.735+/-0.016 χ^2/NDF:3617652.1/38

All: 105.433+/-0.011 χ^2/NDF: 6577782.2/73

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: -351.006+/-125.876 χ^2/NDF:48.0/19

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 108.737+/-124.063 χ^2/NDF:28.5/18

Left: -117.799+/-88.360 χ^2/NDF: 83.2/38

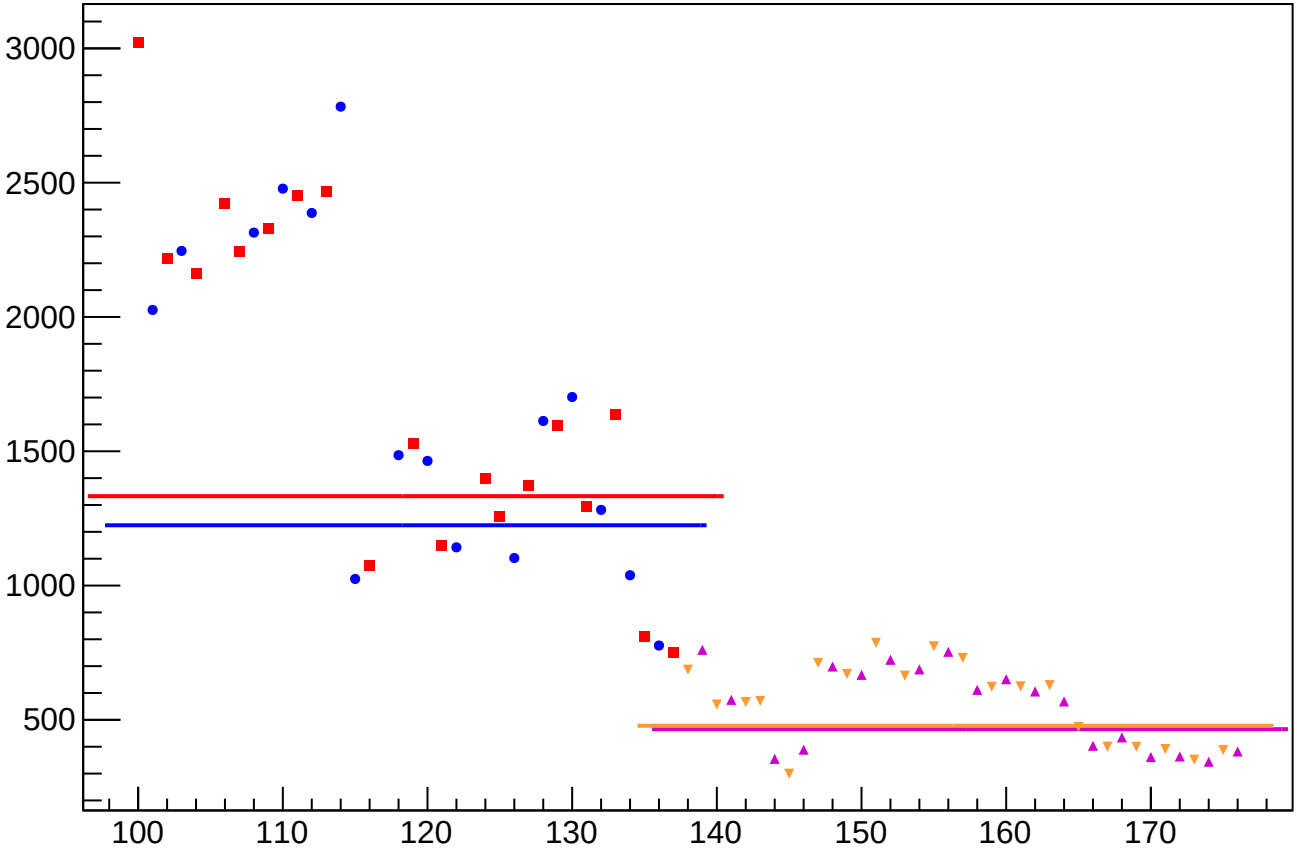
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: 30.512+/-120.288 χ^2/NDF:51.1/34

Out: -308.798+/-122.392 χ^2/NDF:64.3/38

All: -136.202+/-85.791 χ^2/NDF: 119.3/73

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 478.017+/-0.089 χ^2/NDF:2726650.8/19

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 465.404+/-0.088 χ^2/NDF:2462813.2/18

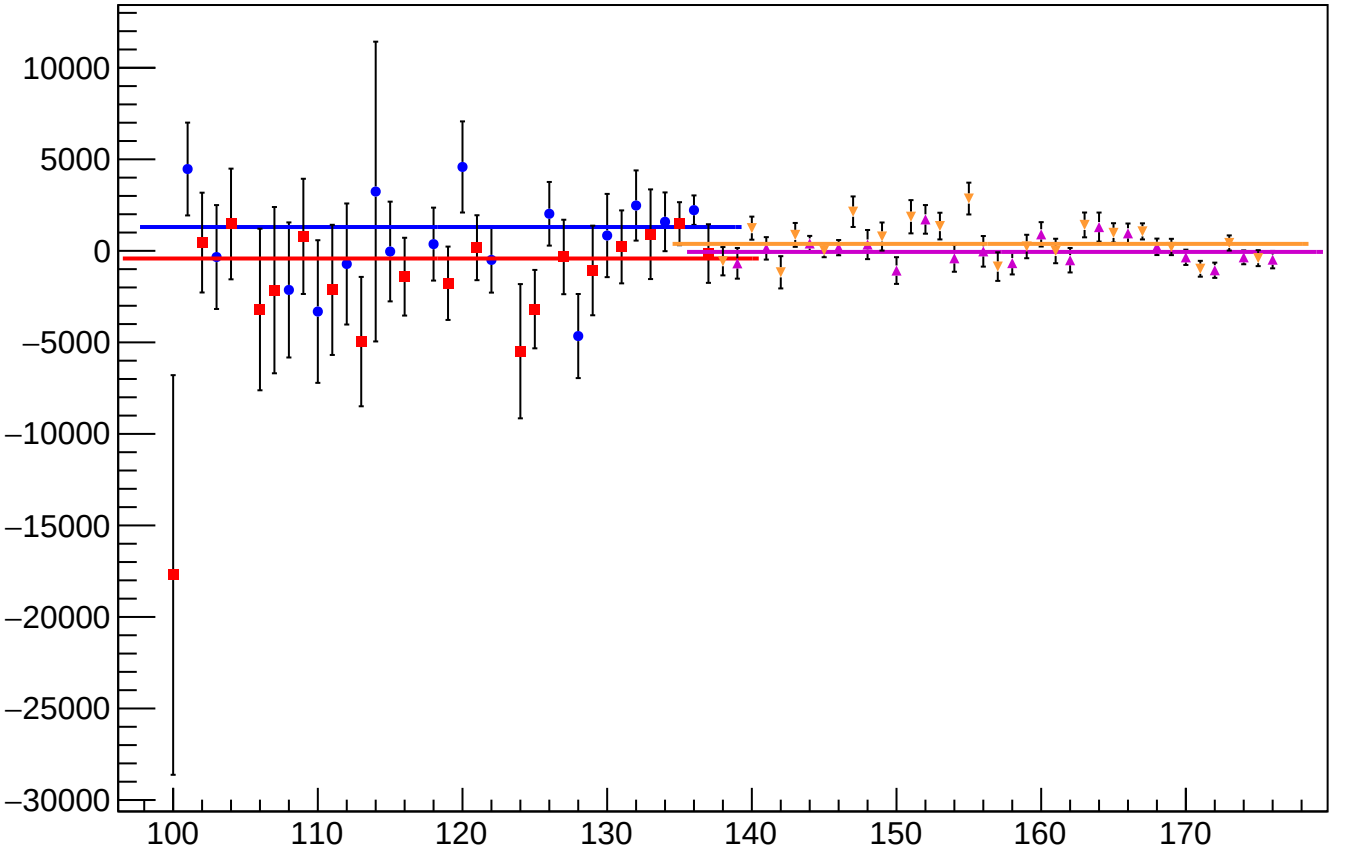
Left: 471.619+/-0.062 χ^2/NDF: 5199650.3/38

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 510.890+/-0.085 χ^2/NDF:8908685.1/34

Out: 524.679+/-0.087 χ^2/NDF:9755977.5/38

All: 517.665+/-0.061 χ^2/NDF: 18677575.4/73



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 380.736+/-127.657 χ^2/NDF:47.4/19

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -58.591+/-124.937 χ^2/NDF:27.9/18

Left: 156.342+/-89.290 χ^2/NDF: 81.3/38

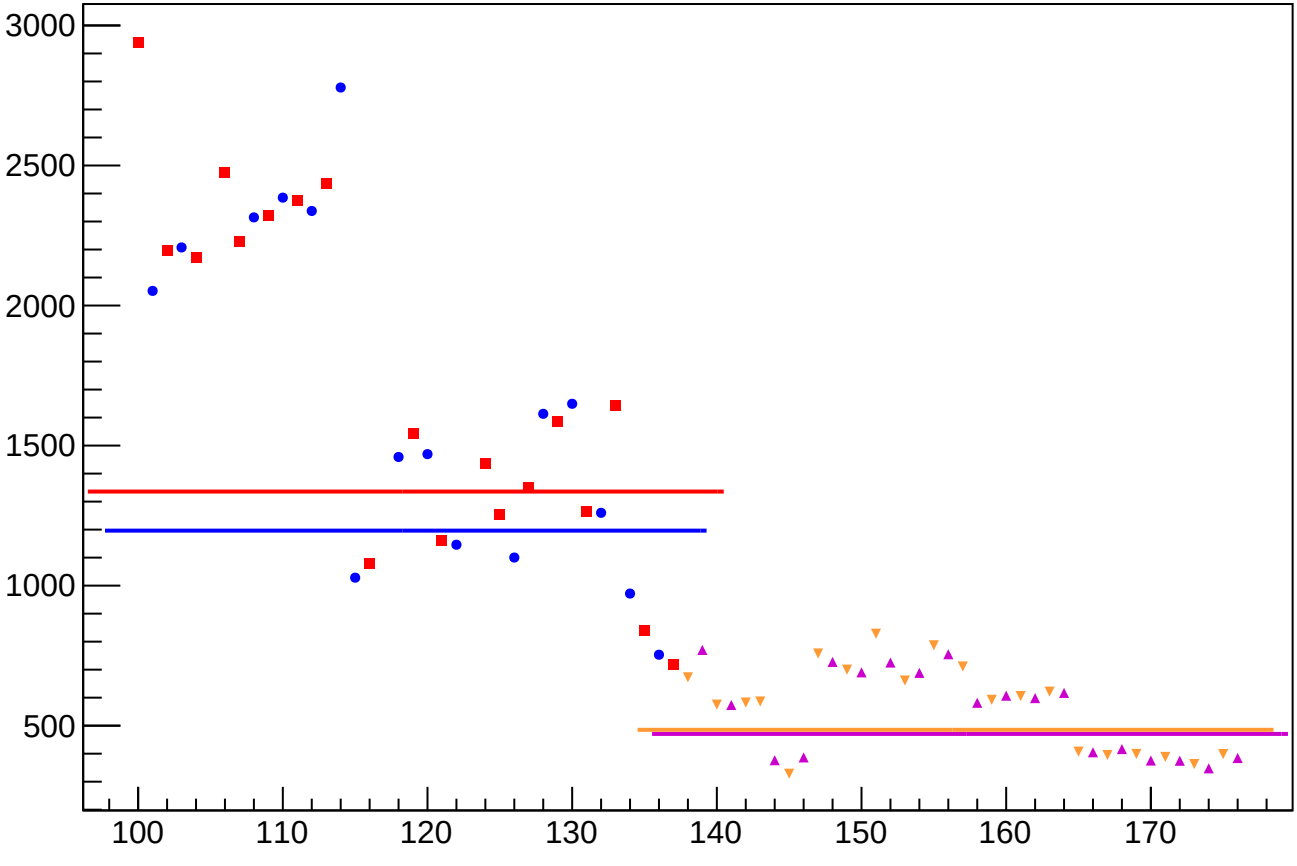
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 27.058+/-120.940 χ^2/NDF:51.8/34

Out: 336.053+/-124.037 χ^2/NDF:62.6/38

All: 177.650+/-86.591 χ^2/NDF: 117.6/73

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 485.184+/-0.090 χ^2/NDF:2525491.0/19

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 470.495+/-0.088 χ^2/NDF:2339779.2/18

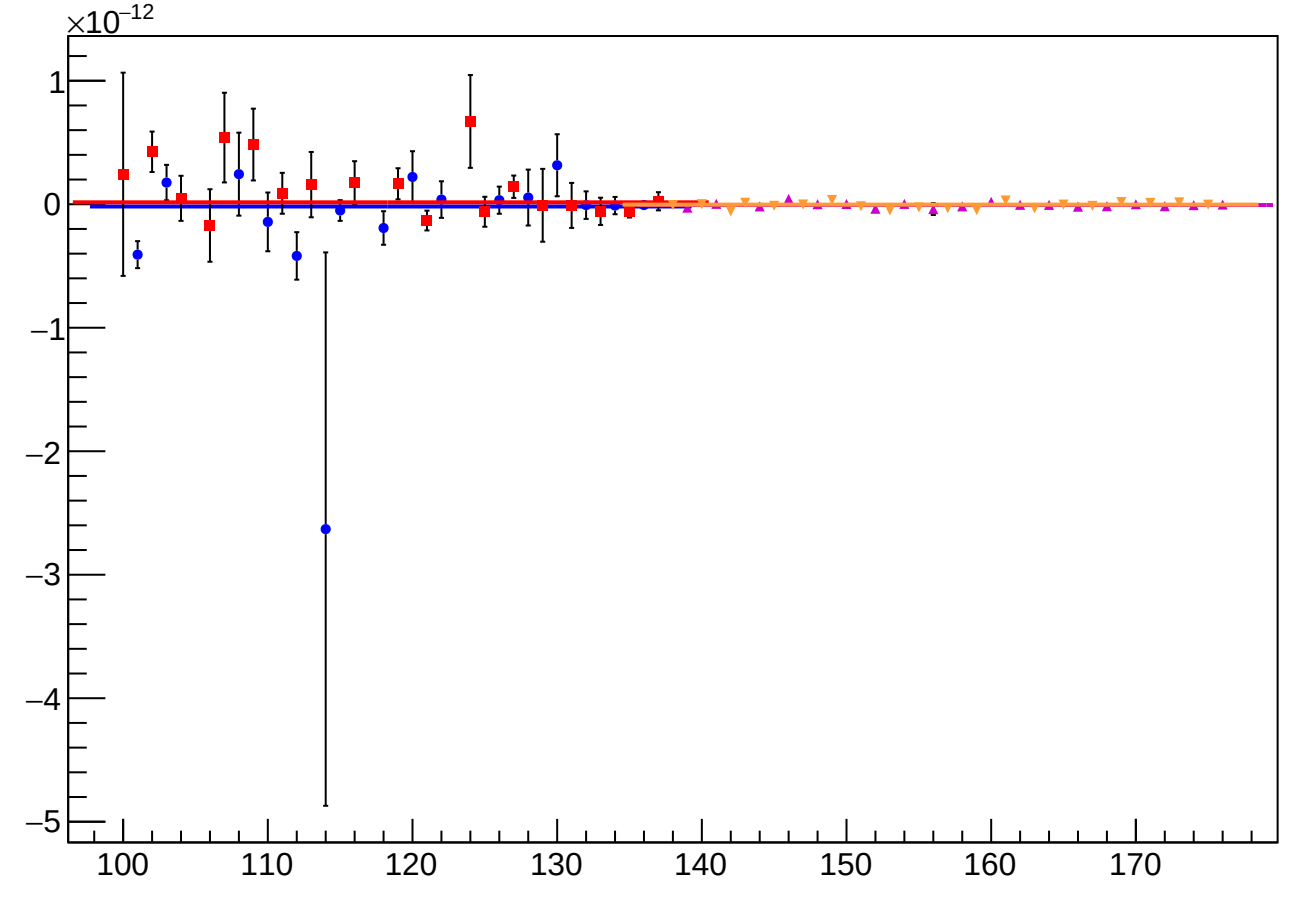
Left: 477.681+/-0.063 χ^2/NDF: 4878796.5/38

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 516.200+/-0.086 χ^2/NDF:8622266.8/34

Out: 532.753+/-0.088 χ^2/NDF:9442858.1/38

All: 524.268+/-0.061 χ^2/NDF: 18083383.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/18

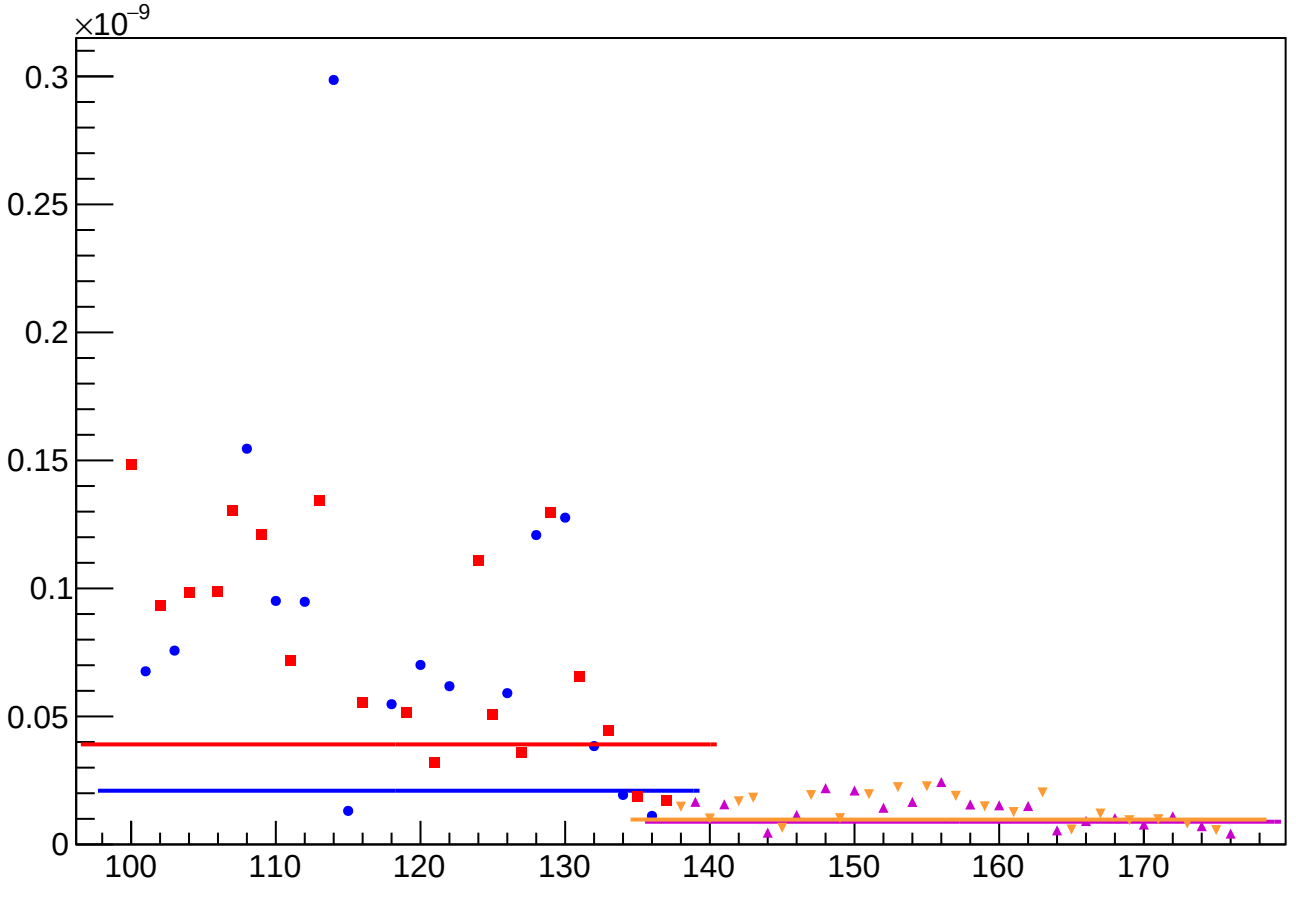
Left: -0.000+/-0.000 χ^2/NDF: 33.0/38

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:41.0/34

Out: -0.000+/-0.000 χ^2/NDF:45.0/38

All: -0.000+/-0.000 χ^2/NDF: 86.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358404.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2583039.1/18

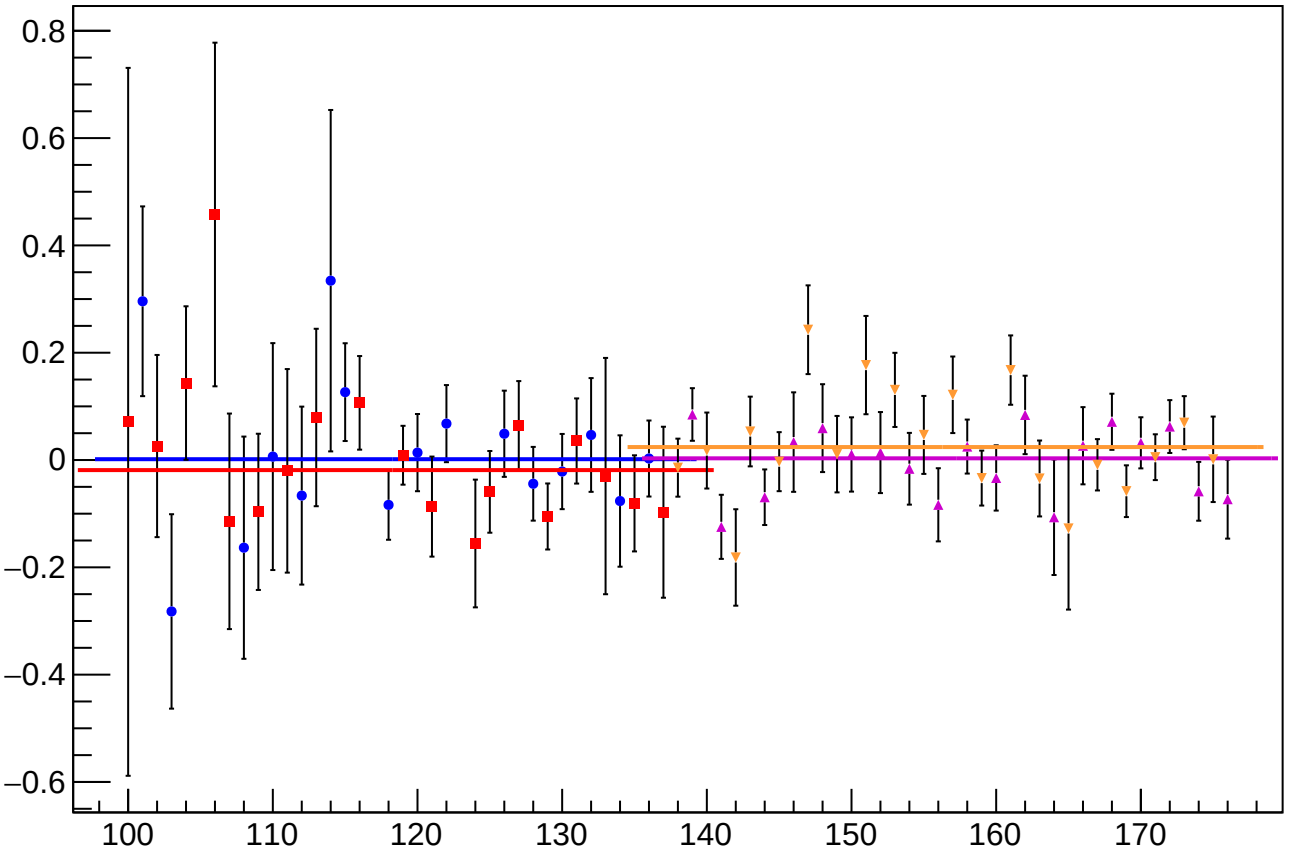
Left: 0.000+/-0.000 χ^2/NDF: 4981282.1/38

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6839747.4/34

Out: 0.000+/-0.000 χ^2/NDF:6646301.7/38

All: 0.000+/-0.000 χ^2/NDF: 13530841.9/73



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.014+/-0.010 χ^2/NDF: 54.2/38

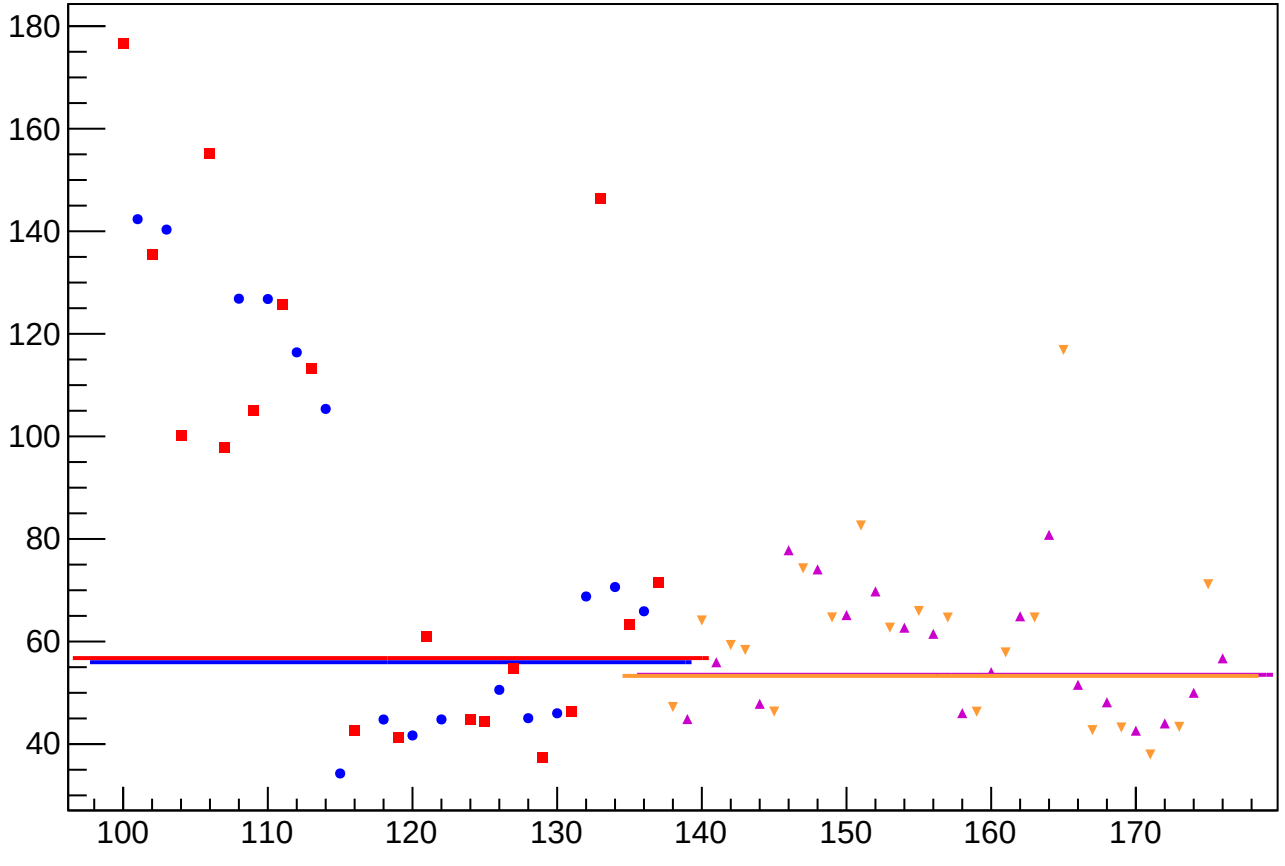
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.008+/-0.009 χ^2/NDF: 82.1/73

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

Left: 53.407+/-0.007 χ^2/NDF: 2736488.0/38

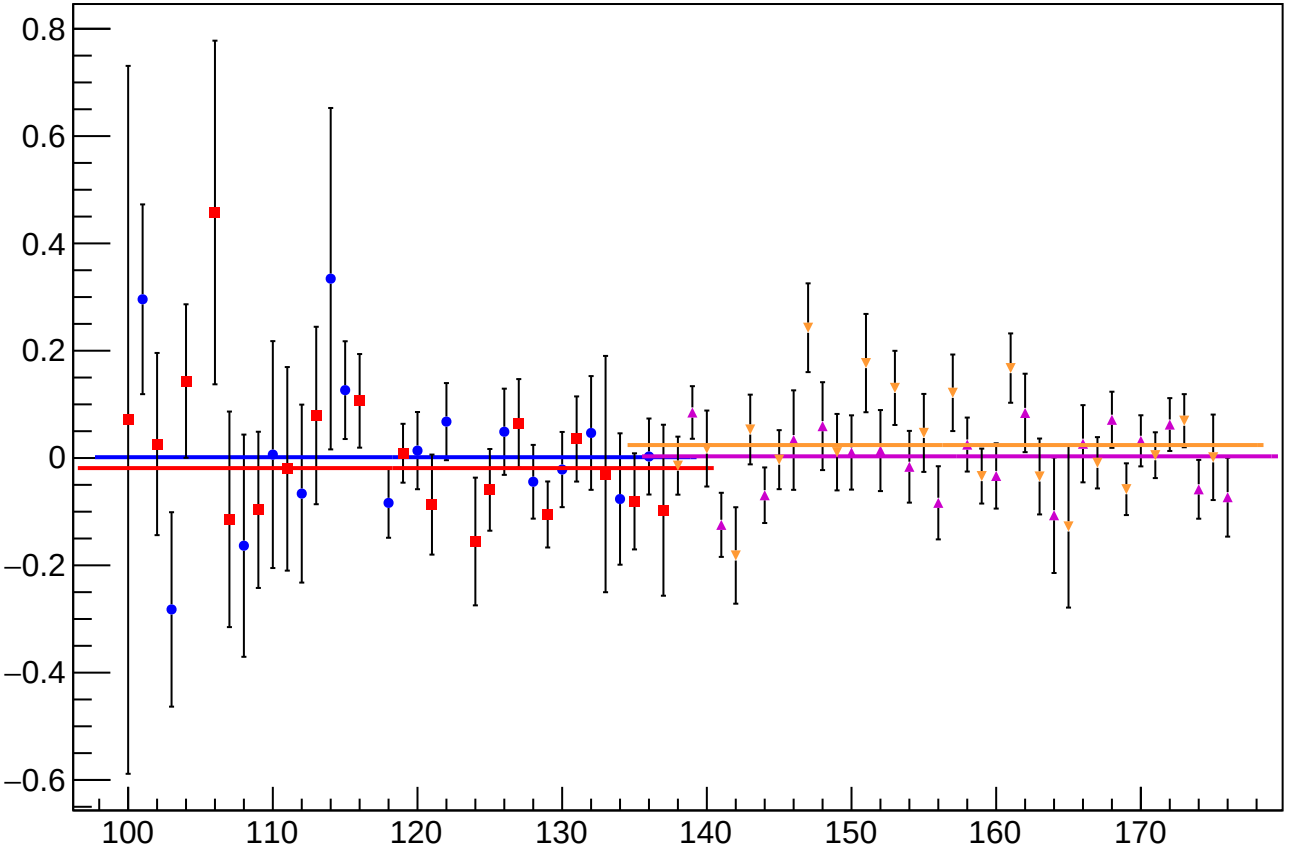
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.168+/-0.009 χ^2/NDF:3197522.0/34

Out: 54.205+/-0.008 χ^2/NDF:4320091.4/38

All: 54.186+/-0.006 χ^2/NDF: 7517622.9/73

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: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.014+/-0.010 χ^2/NDF: 54.2/38

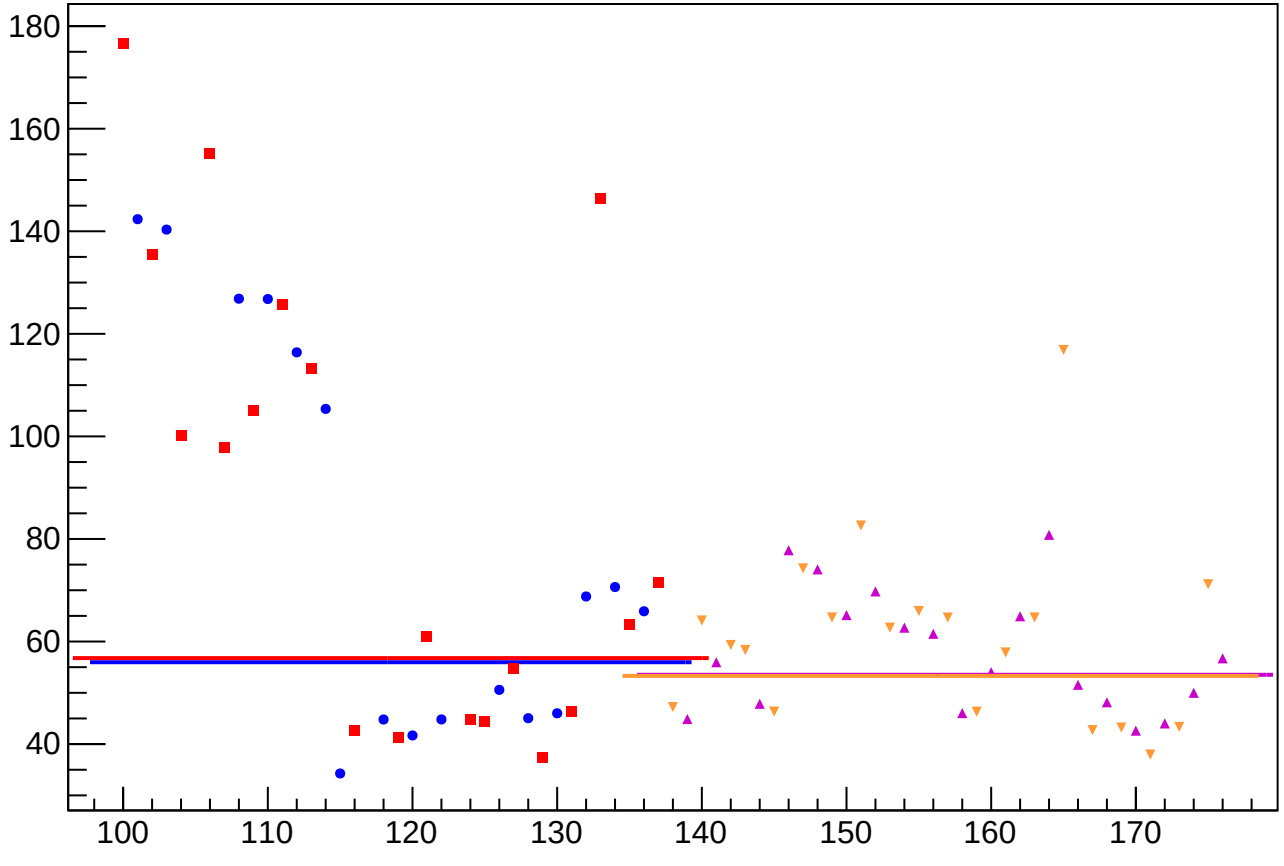
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.008+/-0.009 χ^2/NDF: 82.1/73

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.301+/-0.010 χ^2/NDF:1734681.4/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

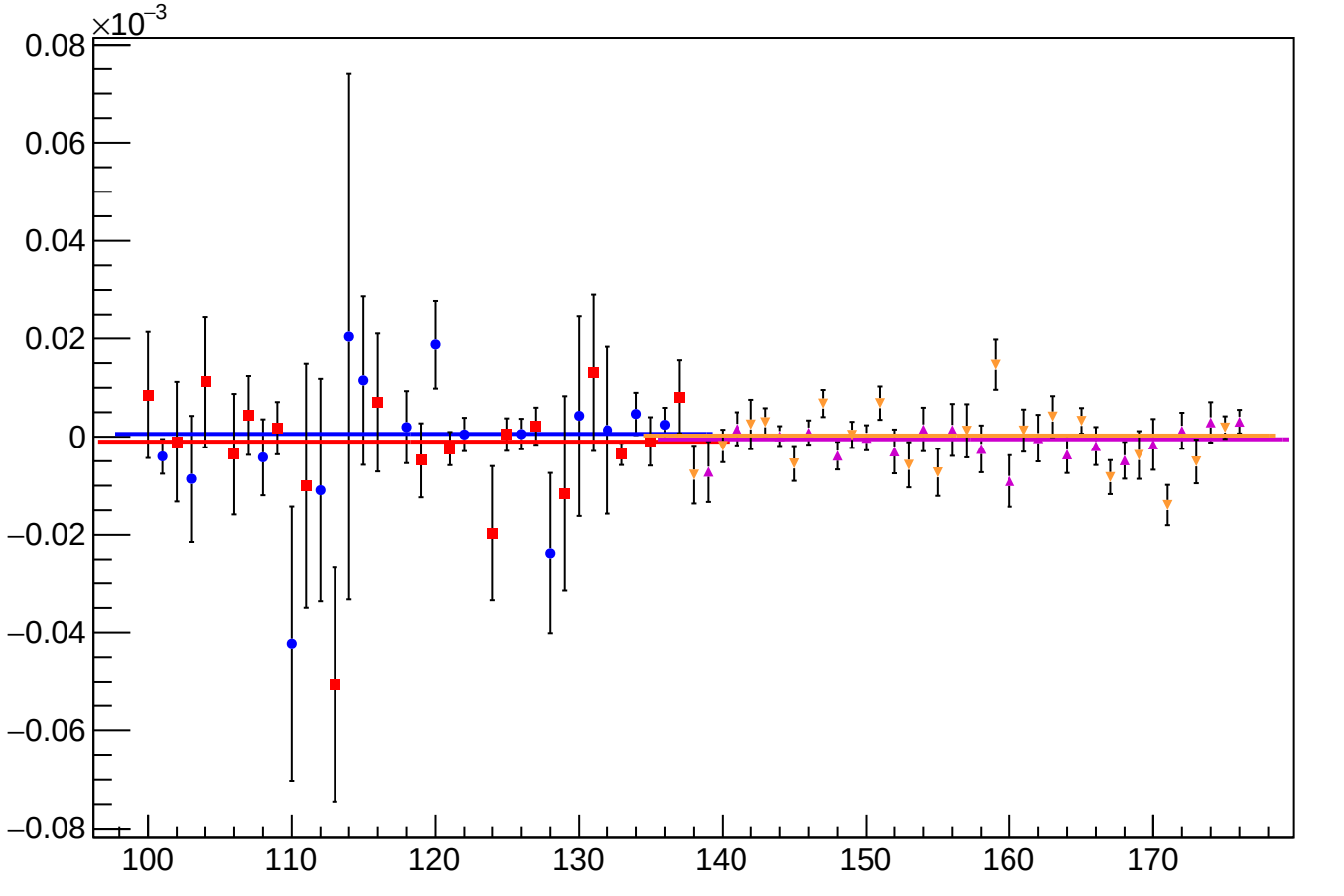
Left: 53.407+/-0.007 χ^2/NDF: 2736488.0/38

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.168+/-0.009 χ^2/NDF:3197522.0/34

Out: 54.205+/-0.008 χ^2/NDF:4320091.4/38

All: 54.186+/-0.006 χ^2/NDF: 7517622.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

Left: -0.000+/-0.000 χ^2/NDF: 62.7/38

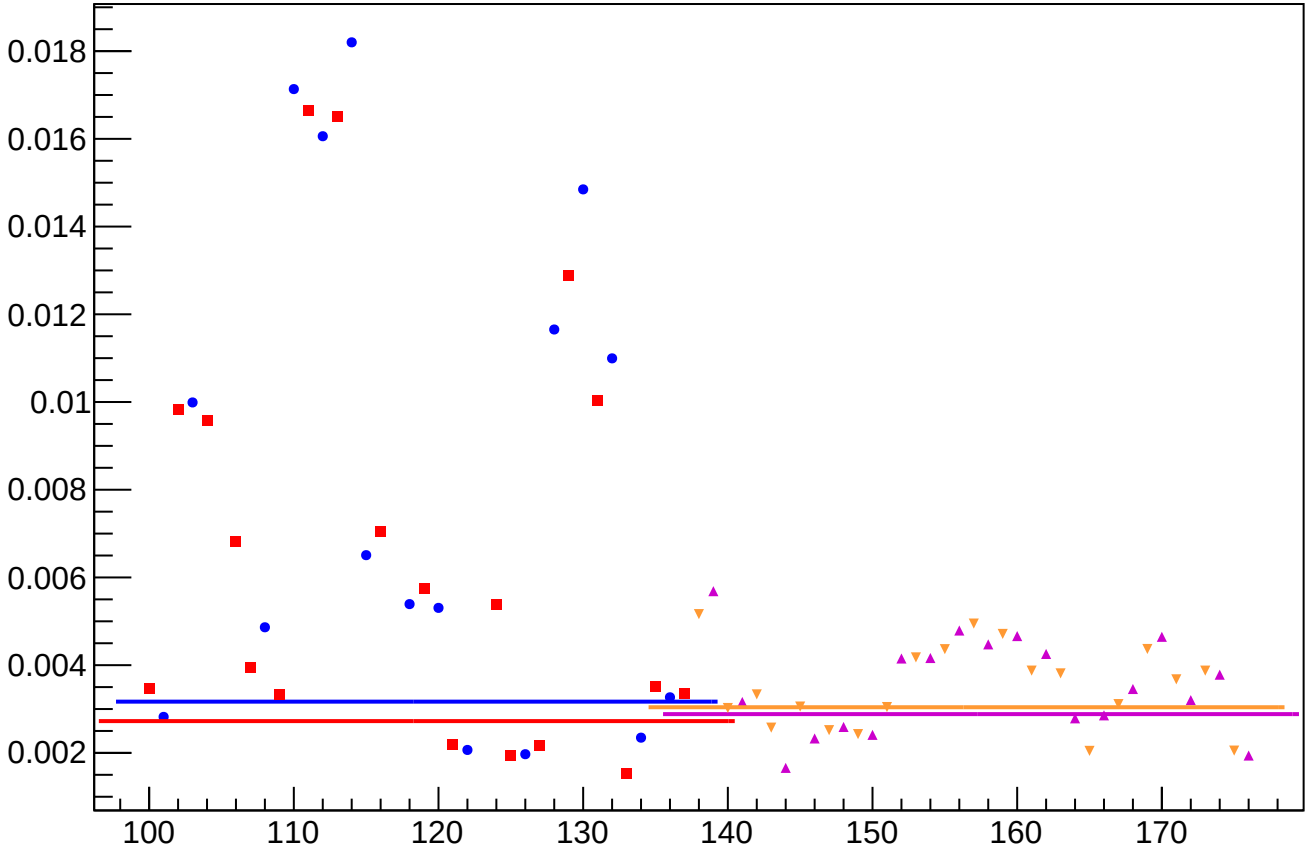
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/34

Out: -0.000+/-0.000 χ^2/NDF:64.7/38

All: -0.000+/-0.000 χ^2/NDF: 90.5/73

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:2305769.9/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3256633.0/18

Left: 0.003+/-0.000 χ^2/NDF: 5601523.0/38

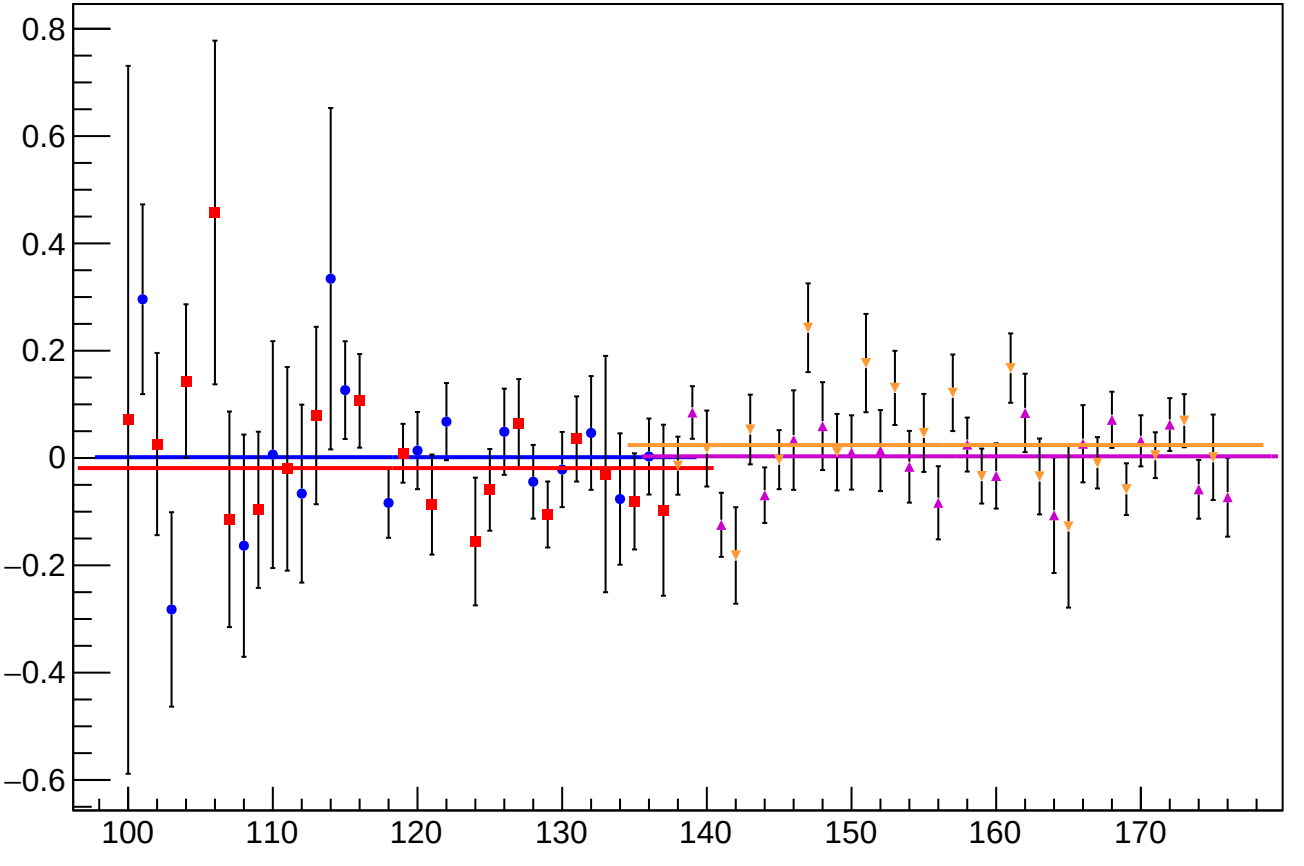
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7861876.1/34

Out: 0.003+/-0.000 χ^2/NDF:7547371.1/38

All: 0.003+/-0.000 χ^2/NDF: 15409262.5/73

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: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.014+/-0.010 χ^2/NDF: 54.2/38

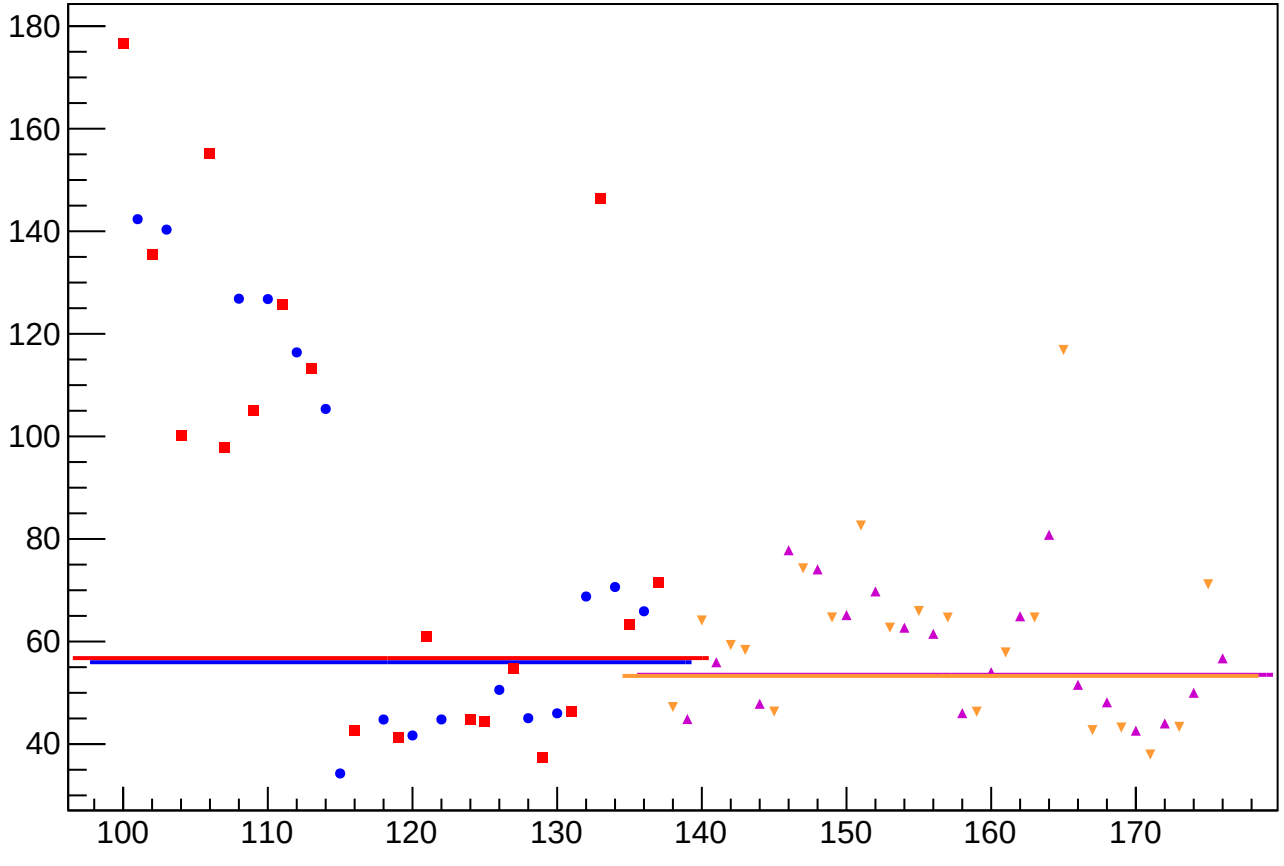
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.008+/-0.009 χ^2/NDF: 82.1/73

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: 53.302+/-0.010 χ^2/NDF:1734667.6/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

Left: 53.407+/-0.007 χ^2/NDF: 2736449.8/38

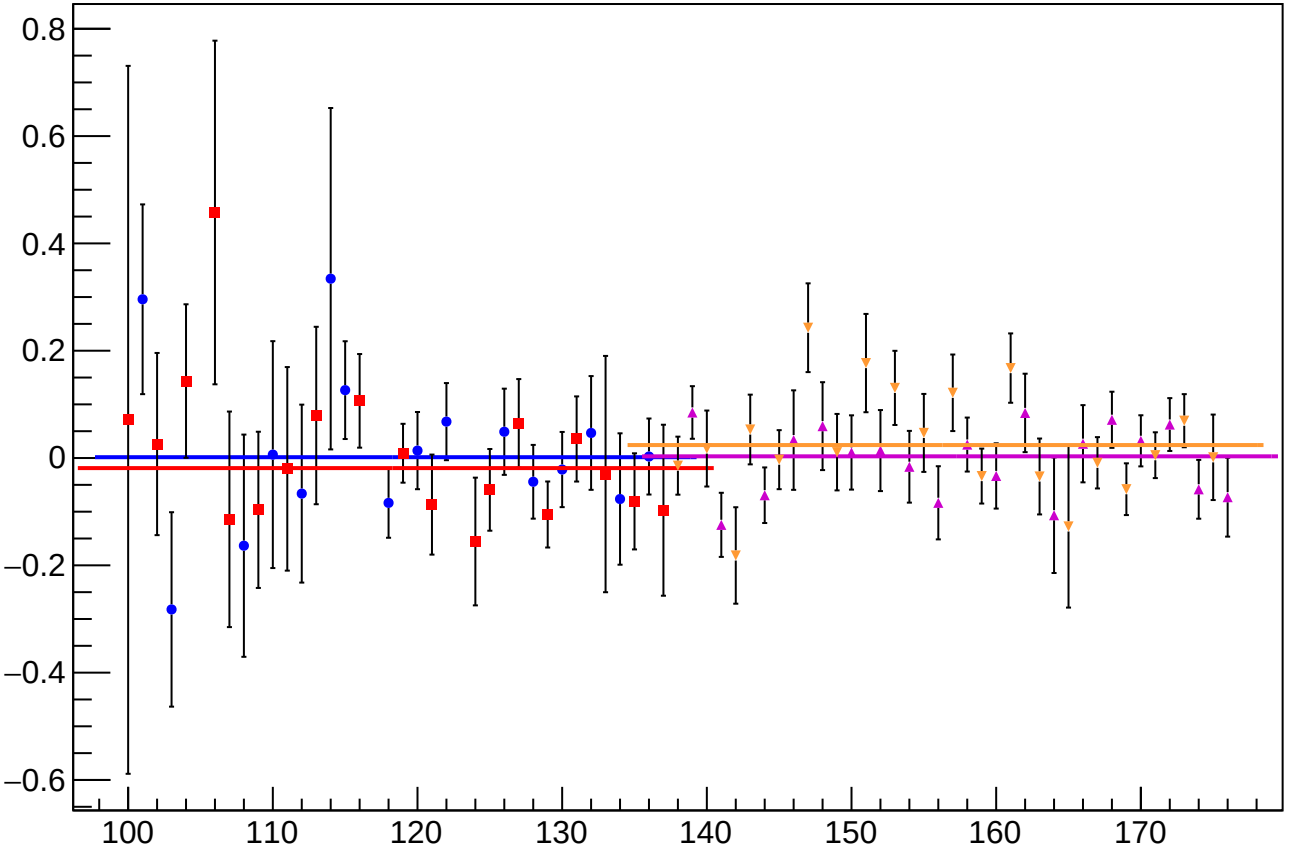
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.168+/-0.009 χ^2/NDF:3197413.2/34

Out: 54.205+/-0.008 χ^2/NDF:4320004.4/38

All: 54.187+/-0.006 χ^2/NDF: 7517427.0/73

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: 0.024+/-0.014 χ^2/NDF:32.7/19

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.014+/-0.010 χ^2/NDF: 54.2/38

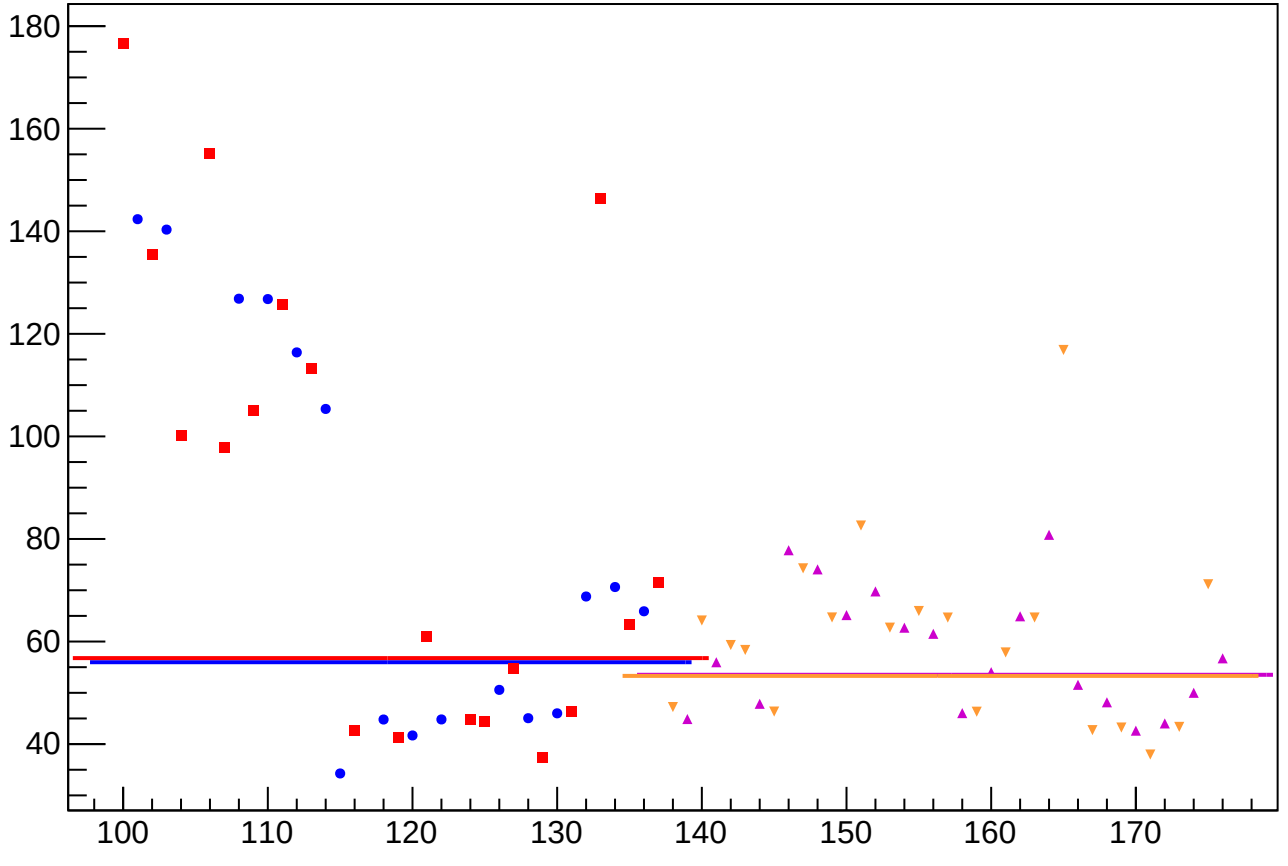
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.013+/-0.012 χ^2/NDF:48.3/38

All: 0.008+/-0.009 χ^2/NDF: 82.1/73

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: 53.302+/-0.010 χ^2/NDF:1734667.6/19

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

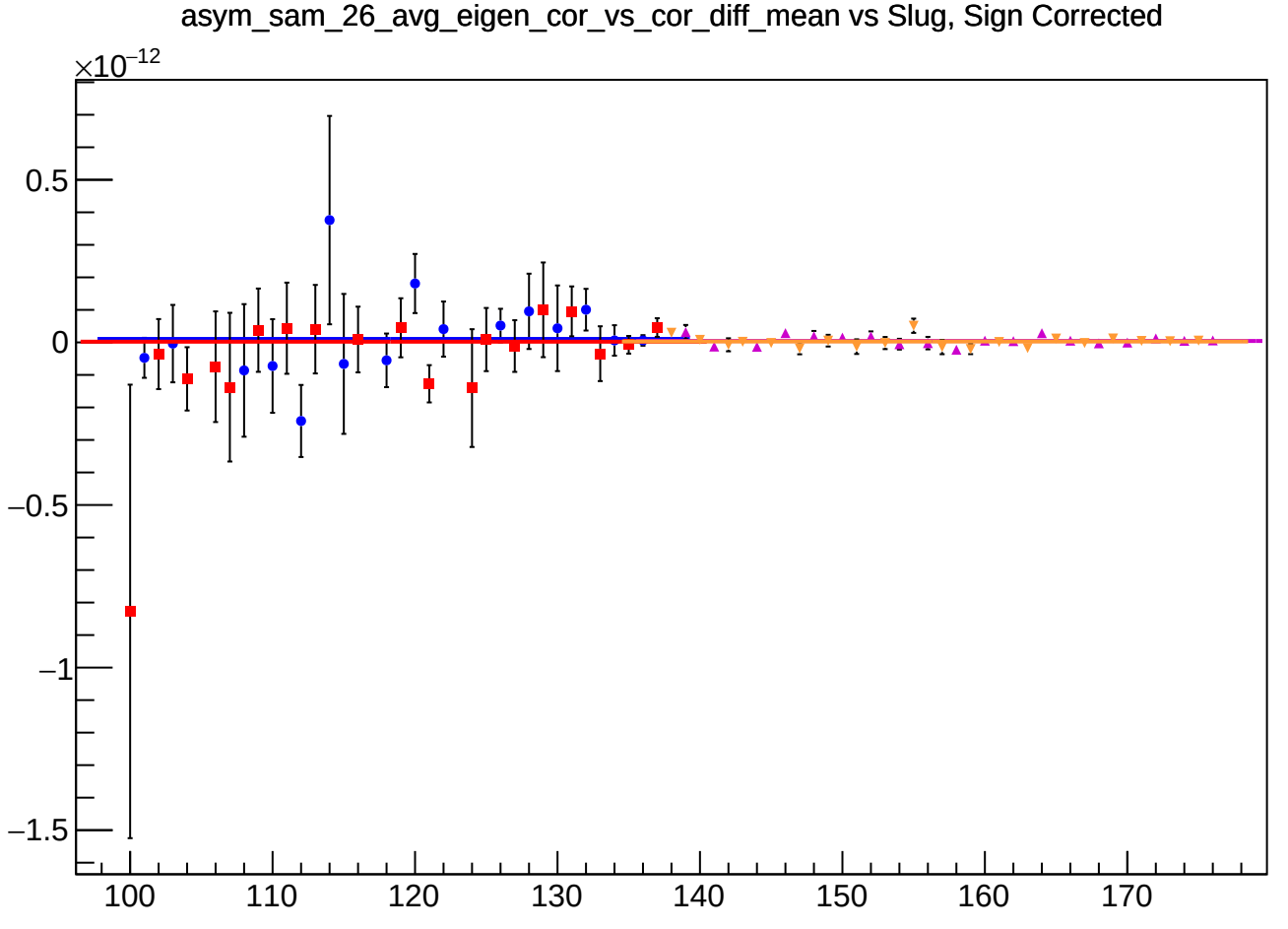
Left: 53.407+/-0.007 χ^2/NDF: 2736449.8/38

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.168+/-0.009 χ^2/NDF:3197413.2/34

Out: 54.205+/-0.008 χ^2/NDF:4320004.4/38

All: 54.187+/-0.006 χ^2/NDF: 7517427.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.5/18

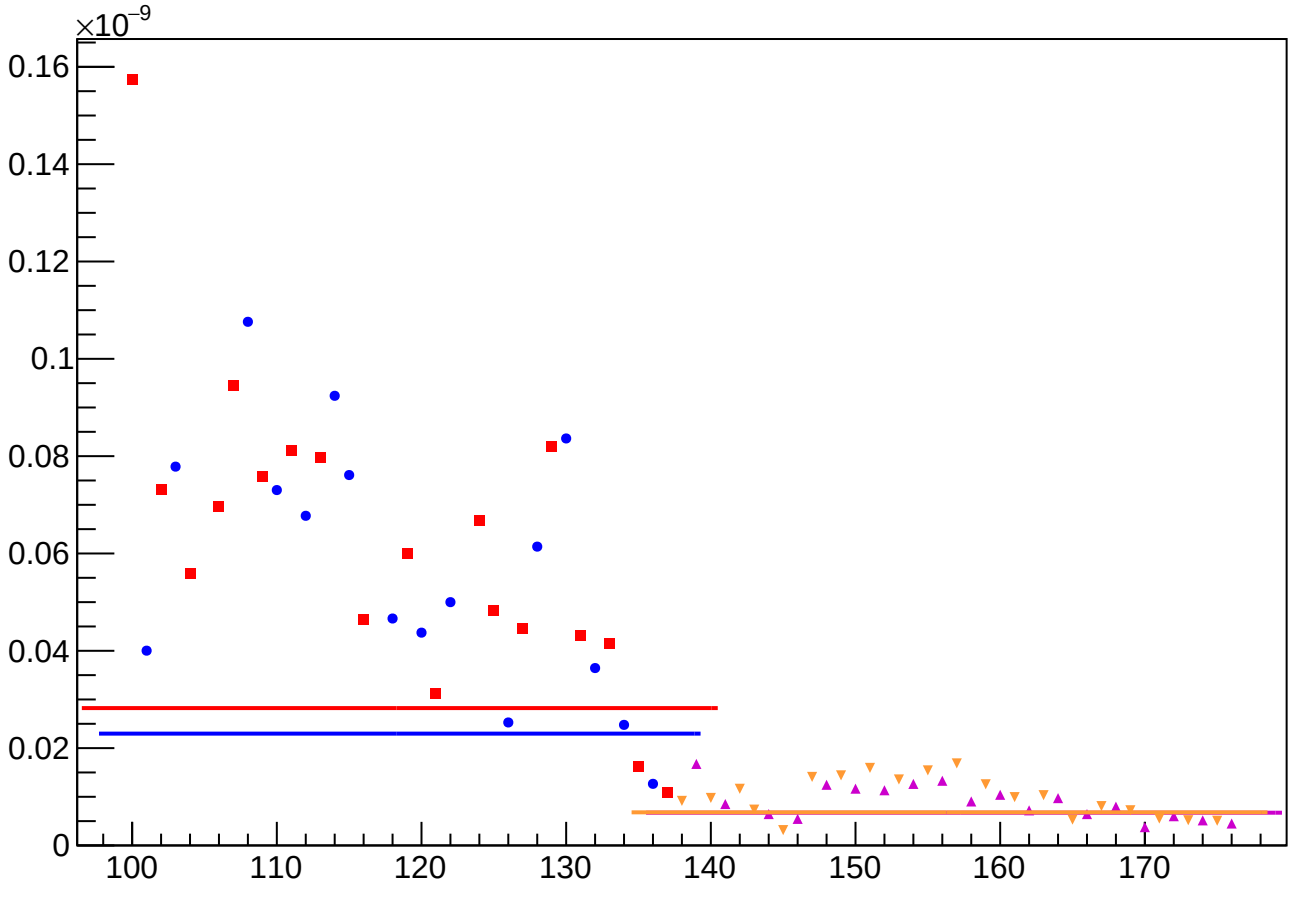
Left: 0.000+/-0.000 χ^2/NDF: 49.5/38

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.4/34

Out: 0.000+/-0.000 χ^2/NDF:34.0/38

All: 0.000+/-0.000 χ^2/NDF: 79.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226156.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2808978.9/18

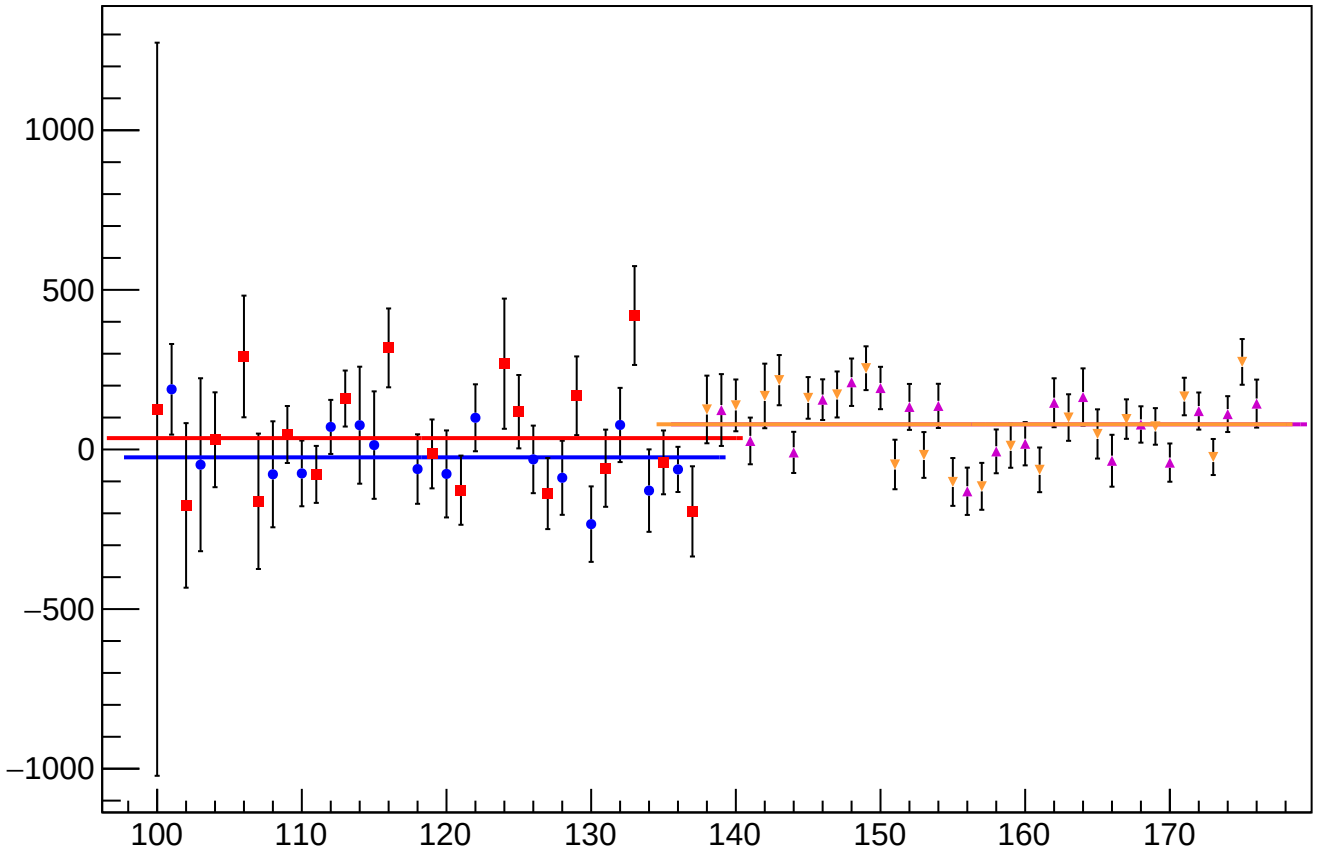
Left: 0.000+/-0.000 χ^2/NDF: 7036232.9/38

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9589590.2/34

Out: 0.000+/-0.000 χ^2/NDF:11781332.3/38

All: 0.000+/-0.000 χ^2/NDF: 21371578.8/73



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.893+/-15.810 χ^2/NDF:50.0/19

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 78.742+/-15.815 χ^2/NDF:30.9/18

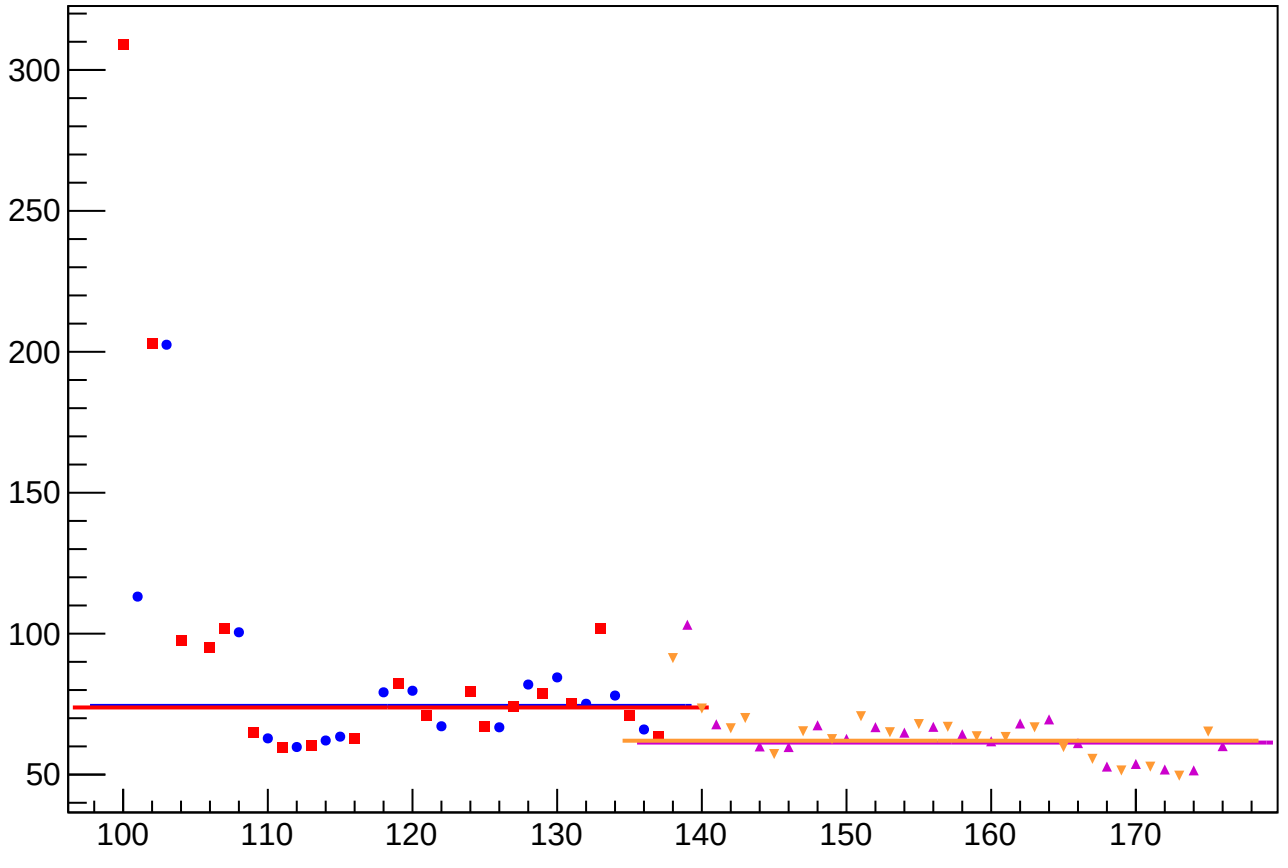
Left: 78.818+/-11.181 χ^2/NDF: 81.0/38

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 54.935+/-13.875 χ^2/NDF:51.8/34

Out: 68.676+/-13.820 χ^2/NDF:81.9/38

All: 61.833+/-9.792 χ^2/NDF: 134.2/73



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

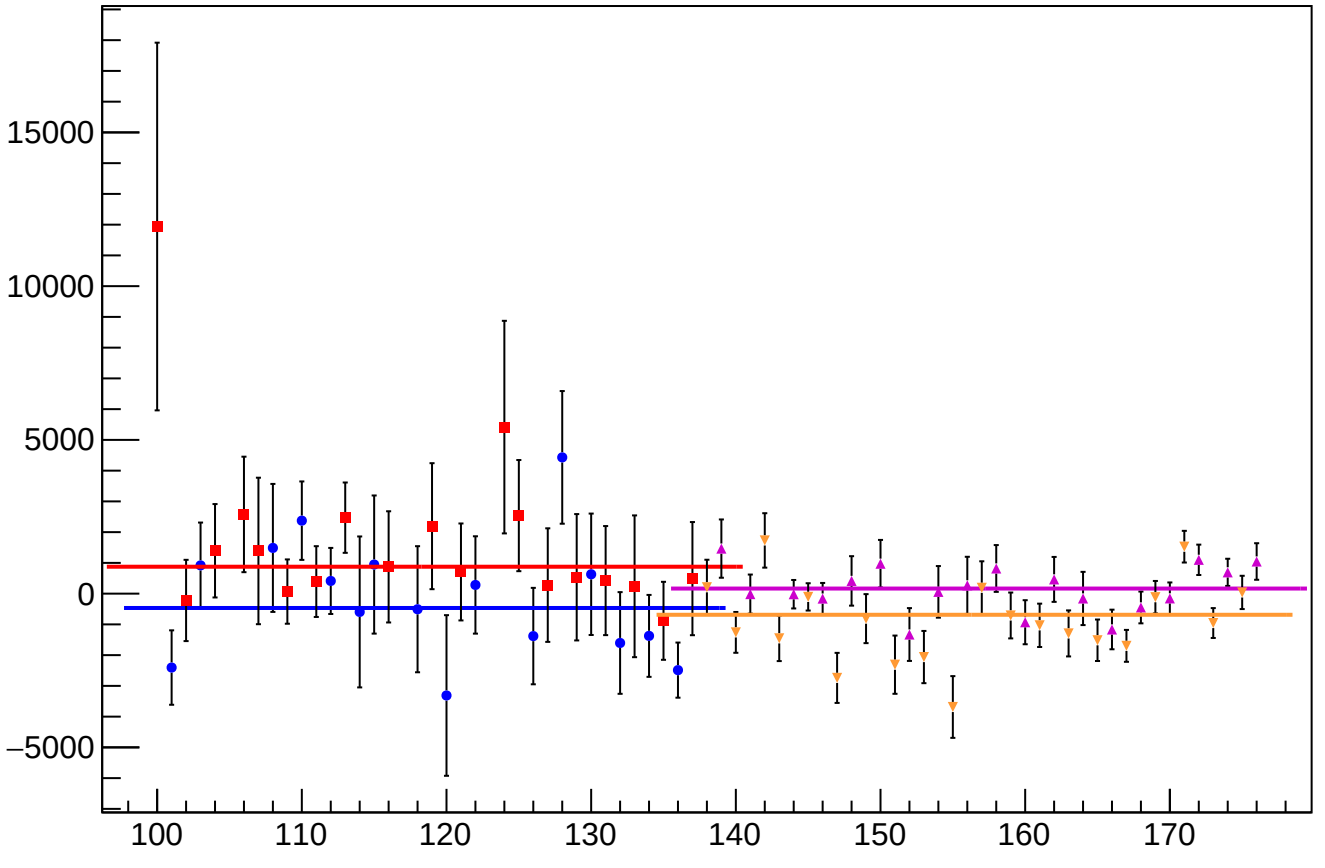
Left: 61.689+/-0.008 χ^2/NDF: 1100919.4/38

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.355+/-0.010 χ^2/NDF:1704899.9/34

Out: 64.802+/-0.010 χ^2/NDF:1728124.6/38

All: 64.579+/-0.007 χ^2/NDF: 3434068.0/73



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -687.540+/-147.230 χ^2/NDF:61.9/19

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 165.381+/-144.197 χ^2/NDF:23.4/18

Left: -252.201+/-103.018 χ^2/NDF: 102.4/38

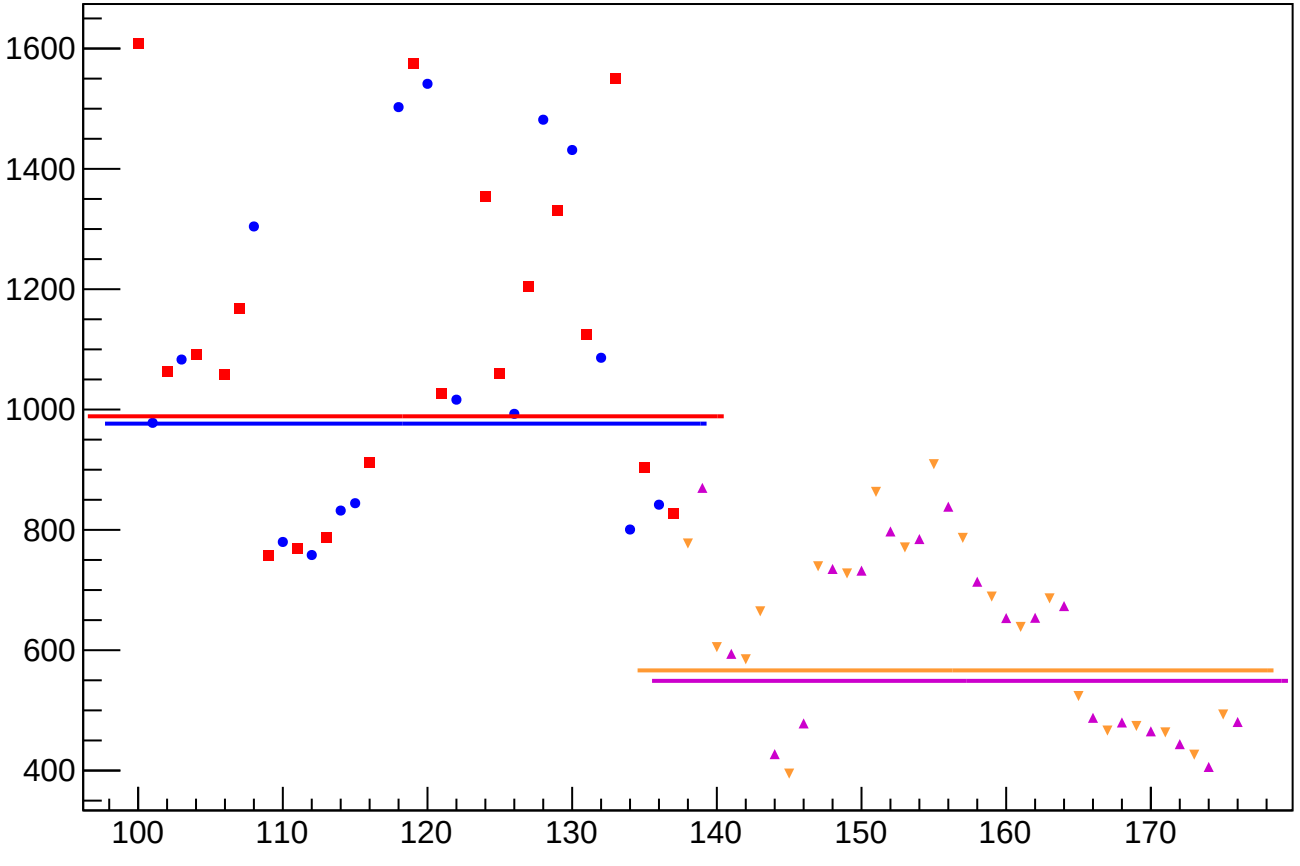
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 83.995+/-134.591 χ^2/NDF:49.6/34

Out: -476.115+/-136.910 χ^2/NDF:90.2/38

All: -191.275+/-95.980 χ^2/NDF: 148.3/73

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 566.451+/-0.104 χ^2/NDF:1853095.3/19

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 549.064+/-0.102 χ^2/NDF:1806328.9/18

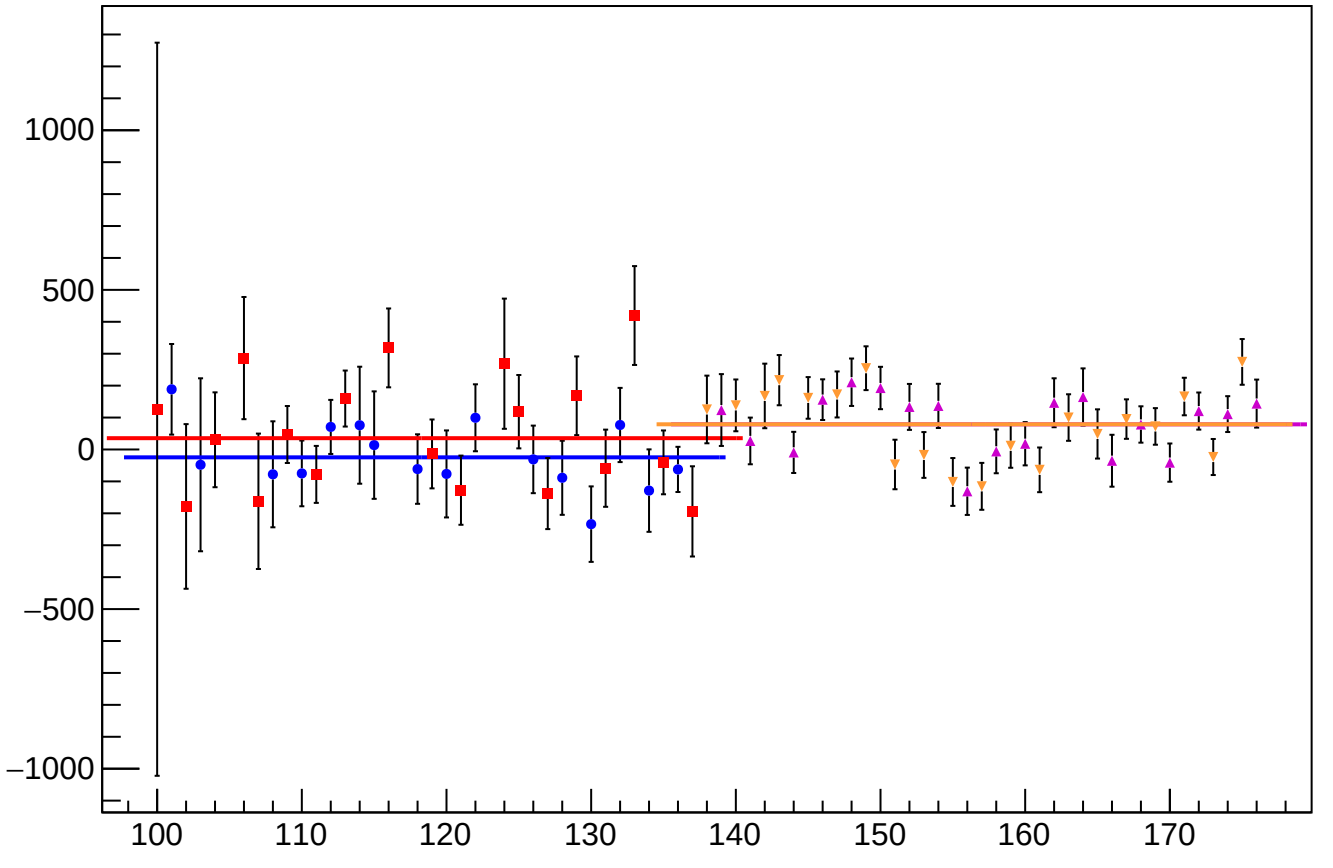
Left: 557.577+/-0.073 χ^2/NDF: 3673659.7/38

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 604.126+/-0.095 χ^2/NDF:4807200.7/34

Out: 623.580+/-0.097 χ^2/NDF:4794828.5/38

All: 613.687+/-0.068 χ^2/NDF: 9622564.7/73



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.741+/-15.815 χ^2/NDF:30.9/18

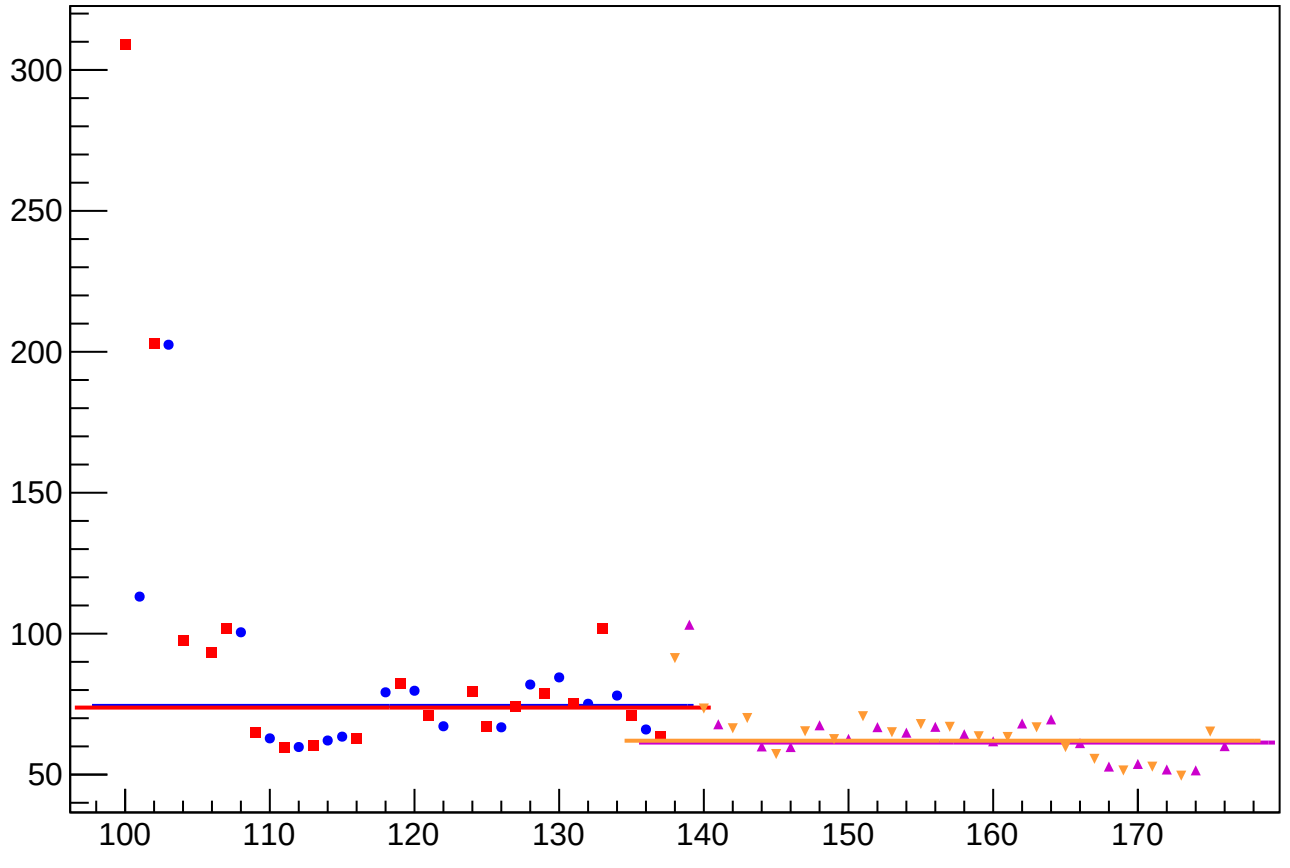
Left: 78.818+/-11.181 χ^2/NDF: 81.0/38

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.932+/-13.875 χ^2/NDF:51.8/34

Out: 68.633+/-13.820 χ^2/NDF:81.9/38

All: 61.809+/-9.792 χ^2/NDF: 134.1/73



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

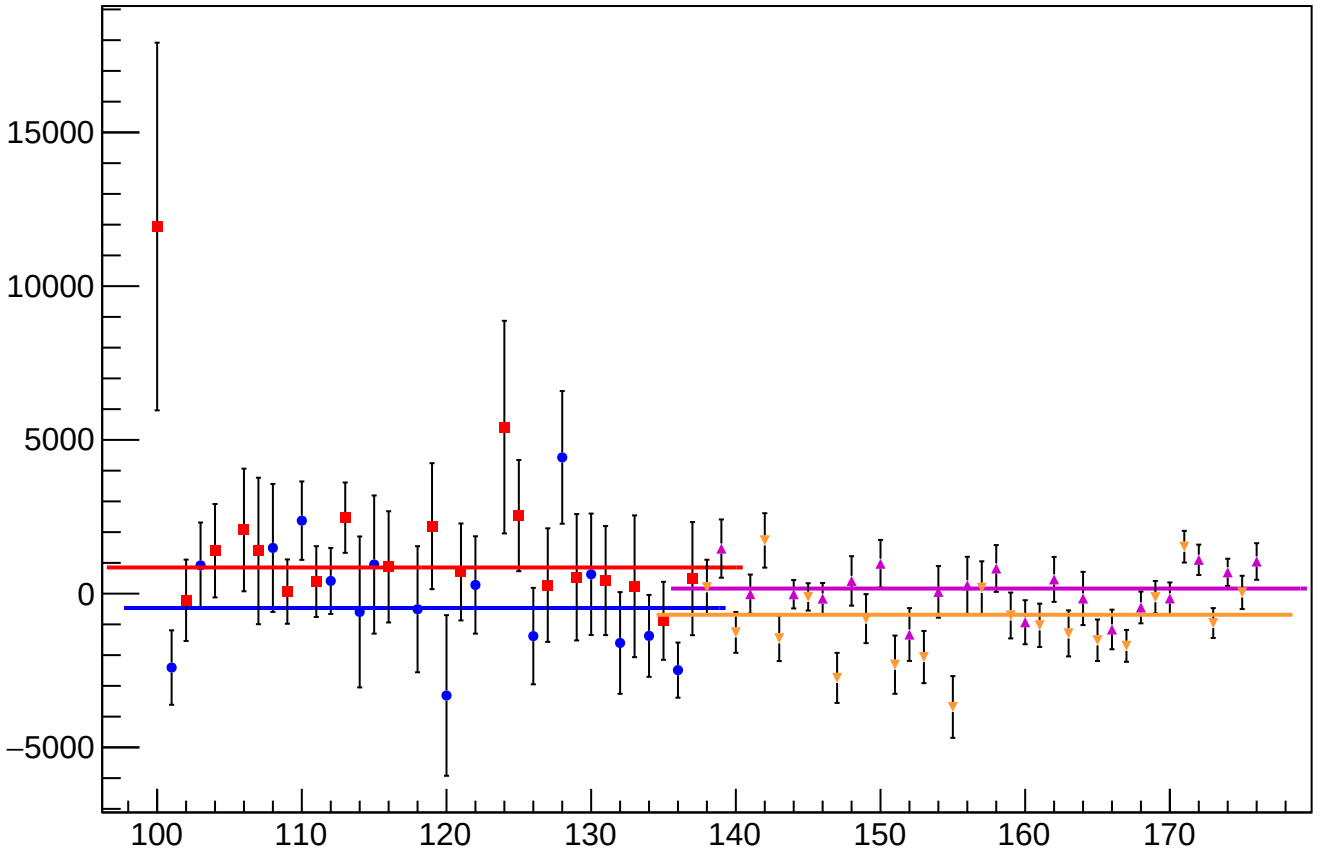
Left: 61.689+/-0.008 χ^2/NDF: 1100919.3/38

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.355+/-0.010 χ^2/NDF:1704901.7/34

Out: 64.792+/-0.010 χ^2/NDF:1722438.5/38

All: 64.574+/-0.007 χ^2/NDF: 3428336.2/73



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 165.380+/-144.197 χ^2/NDF:23.4/18

Left: -252.201+/-103.018 χ^2/NDF: 102.4/38

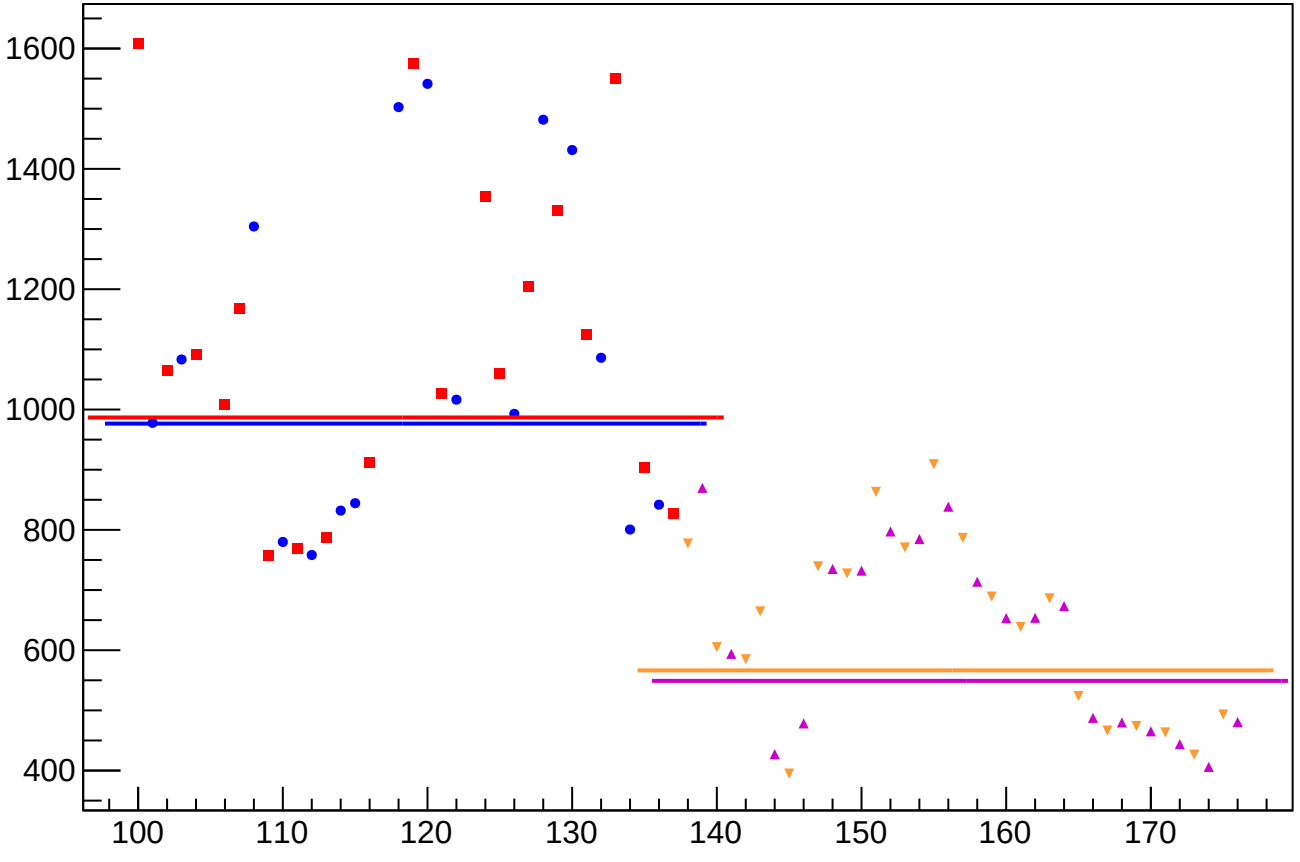
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 83.997+/-134.591 χ^2/NDF:49.6/34

Out: -480.263+/-136.952 χ^2/NDF:89.2/38

All: -193.226+/-95.994 χ^2/NDF: 147.4/73

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: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

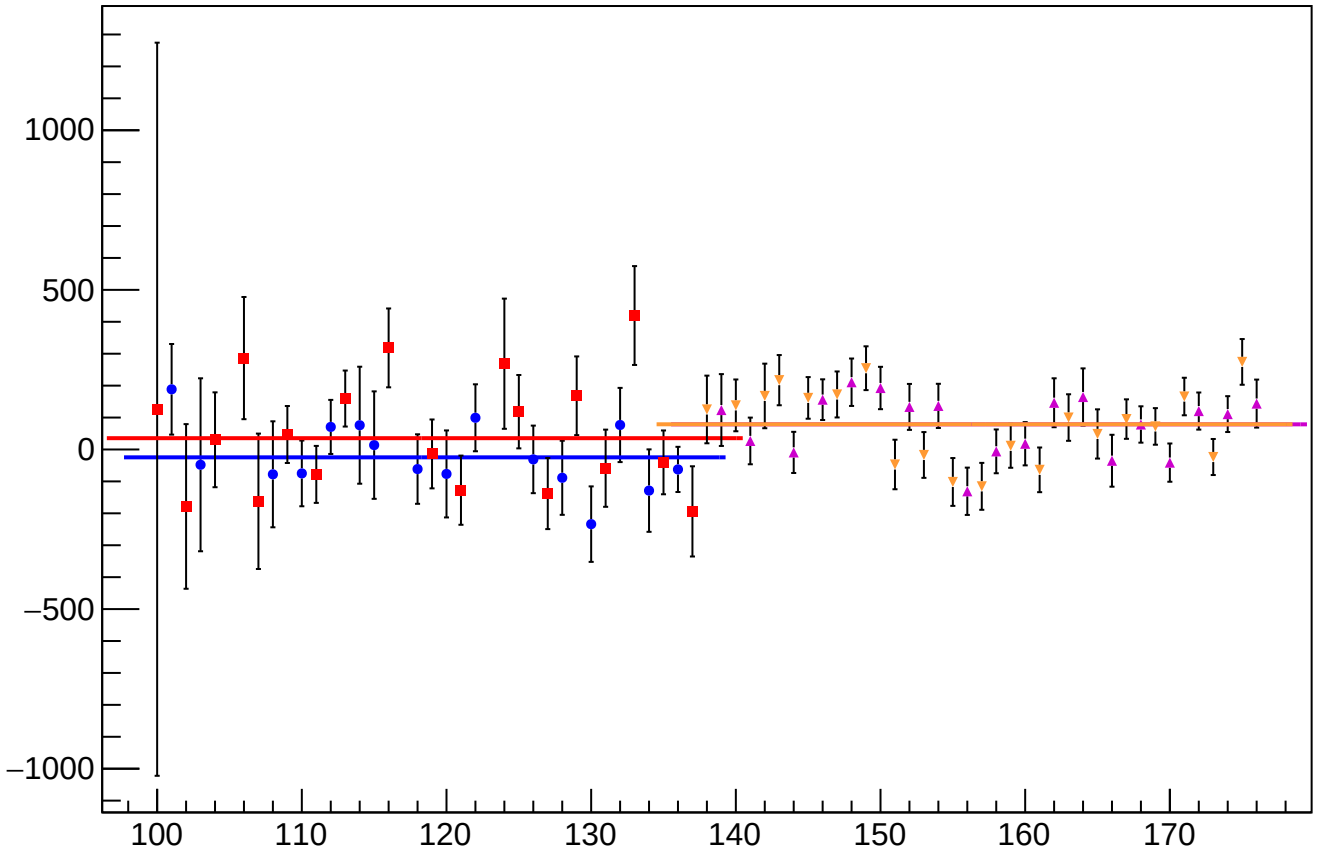
Left: 557.576+/-0.073 χ^2/NDF: 3673662.3/38

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 604.126+/-0.095 χ^2/NDF:4807260.8/34

Out: 623.093+/-0.097 χ^2/NDF:4763322.9/38

All: 613.445+/-0.068 χ^2/NDF: 9590096.5/73



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 78.895+/-15.810 χ^2/NDF:50.1/19

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.741+/-15.815 χ^2/NDF:30.9/18

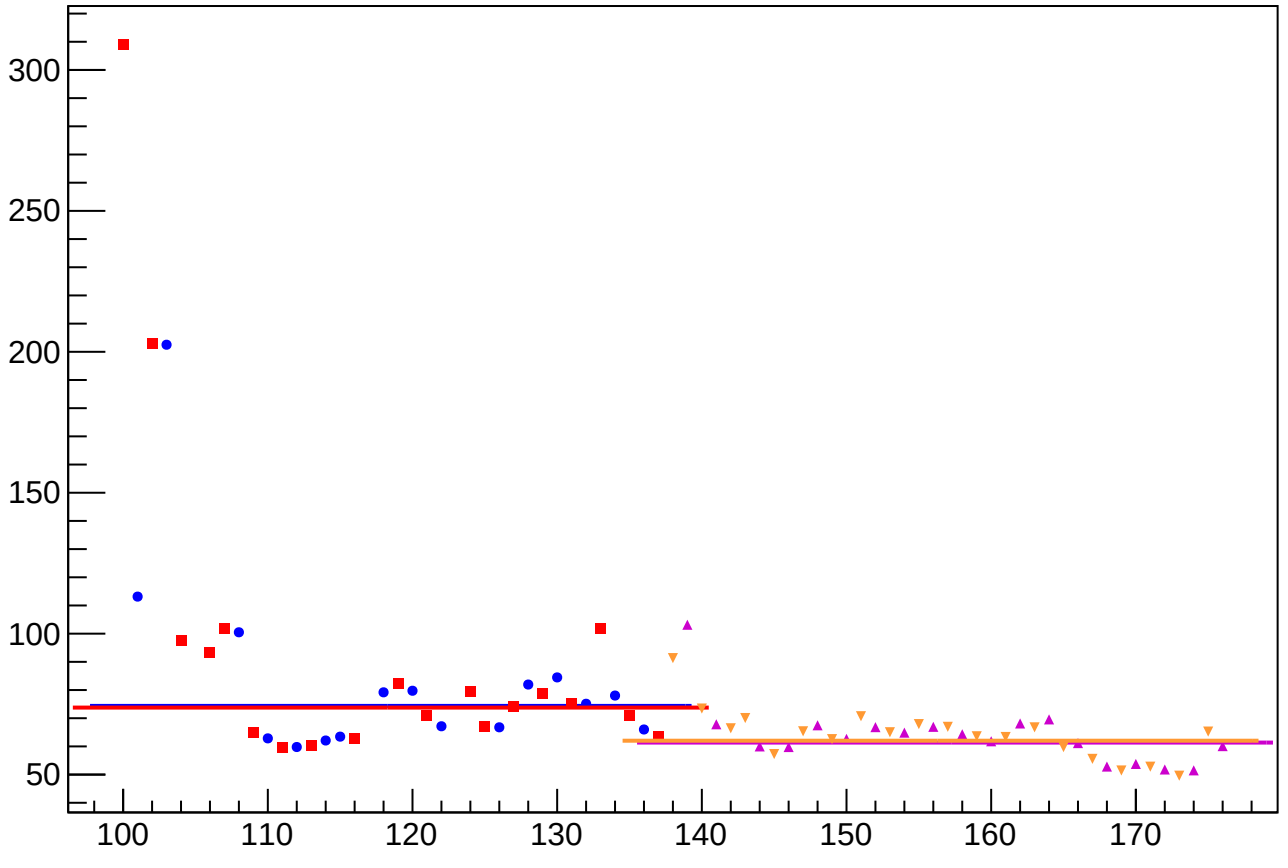
Left: 78.818+/-11.181 χ^2/NDF: 81.0/38

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.932+/-13.875 χ^2/NDF:51.8/34

Out: 68.633+/-13.820 χ^2/NDF:81.9/38

All: 61.809+/-9.792 χ^2/NDF: 134.1/73



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.020+/-0.011 χ^2/NDF:533574.9/19

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

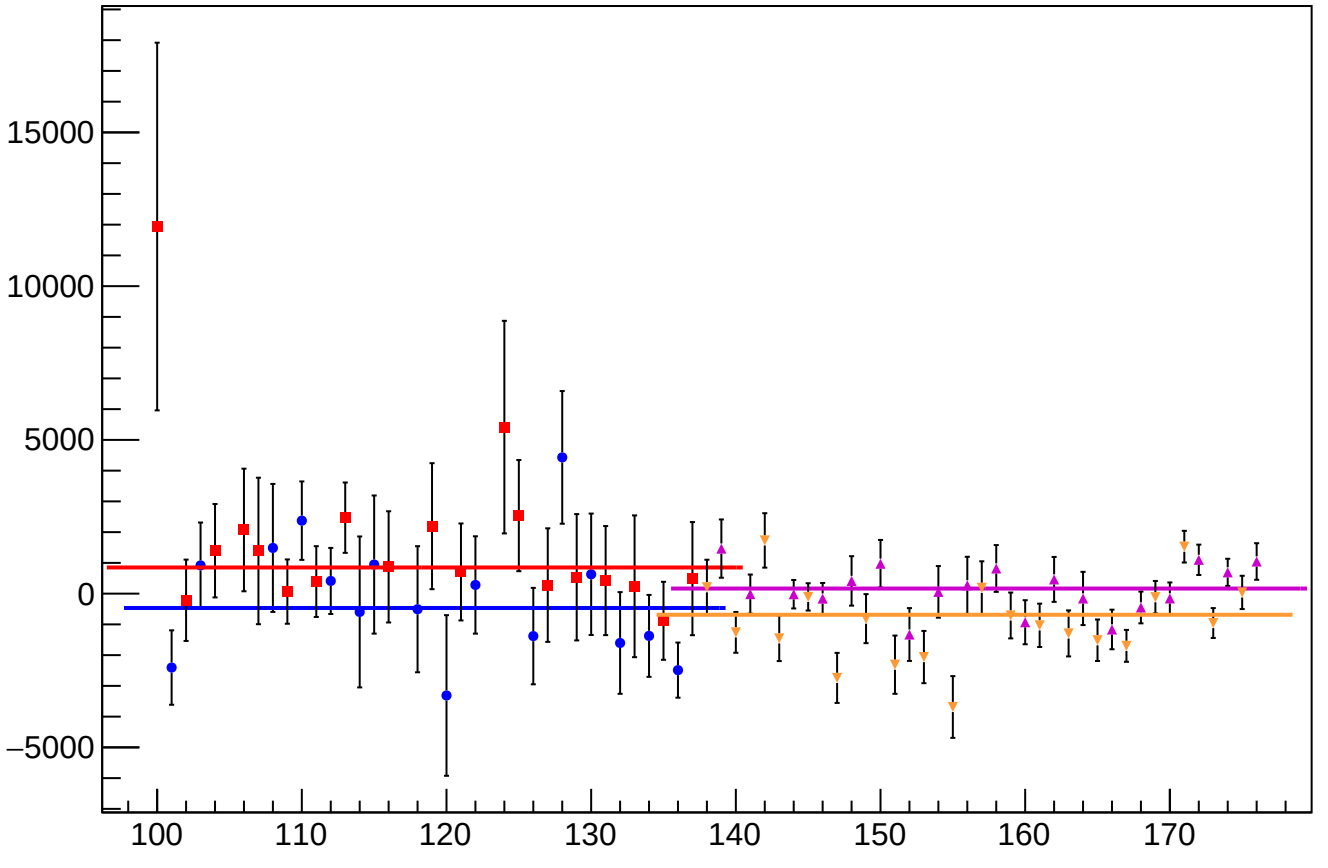
Left: 61.689+/-0.008 χ^2/NDF: 1100919.3/38

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.355+/-0.010 χ^2/NDF:1704901.7/34

Out: 64.792+/-0.010 χ^2/NDF:1722438.5/38

All: 64.574+/-0.007 χ^2/NDF: 3428336.2/73



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -687.538+/-147.230 χ^2/NDF:61.9/19

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 165.380+/-144.197 χ^2/NDF:23.4/18

Left: -252.201+/-103.018 χ^2/NDF: 102.4/38

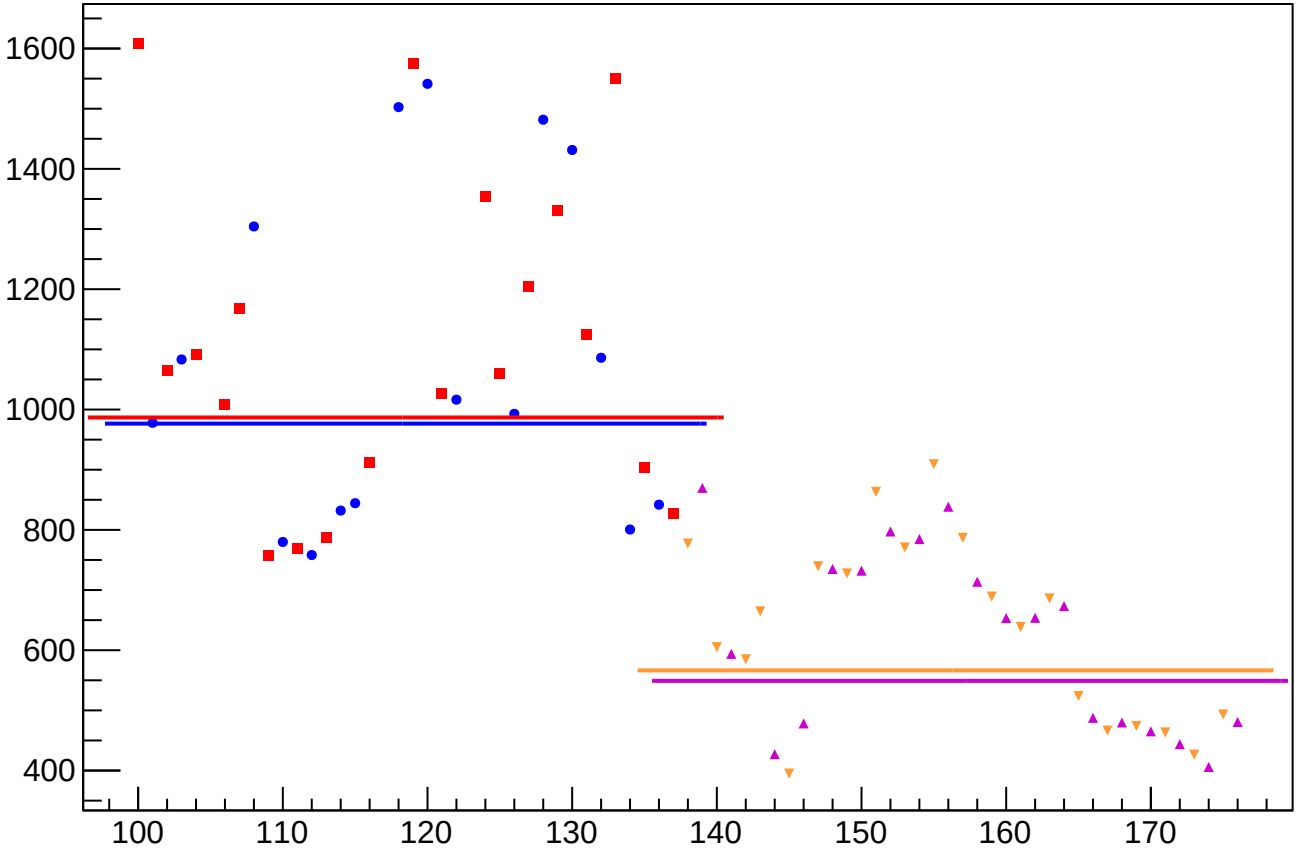
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 83.997+/-134.591 χ^2/NDF:49.6/34

Out: -480.263+/-136.952 χ^2/NDF:89.2/38

All: -193.226+/-95.994 χ^2/NDF: 147.4/73

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: 566.450+/-0.104 χ^2/NDF:1853096.9/19

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

Left: 557.576+/-0.073 χ^2/NDF: 3673662.3/38

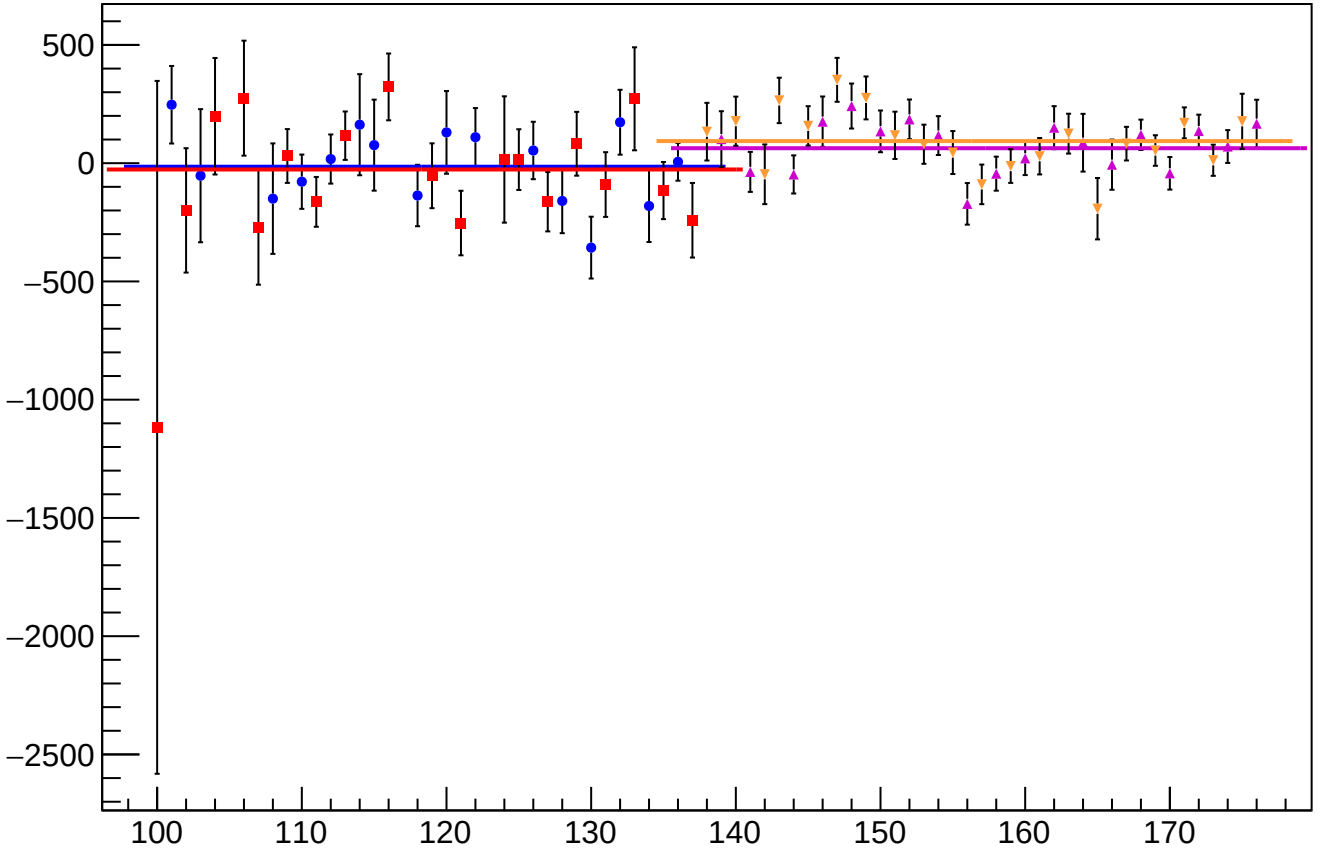
Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 604.126+/-0.095 χ^2/NDF:4807260.8/34

Out: 623.093+/-0.097 χ^2/NDF:4763322.9/38

All: 613.445+/-0.068 χ^2/NDF: 9590096.5/73

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.395+/-19.022 χ^2/NDF:34.5/19

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 63.298+/-19.067 χ^2/NDF:27.7/18

Left: 78.382+/-13.467 χ^2/NDF: 63.4/38

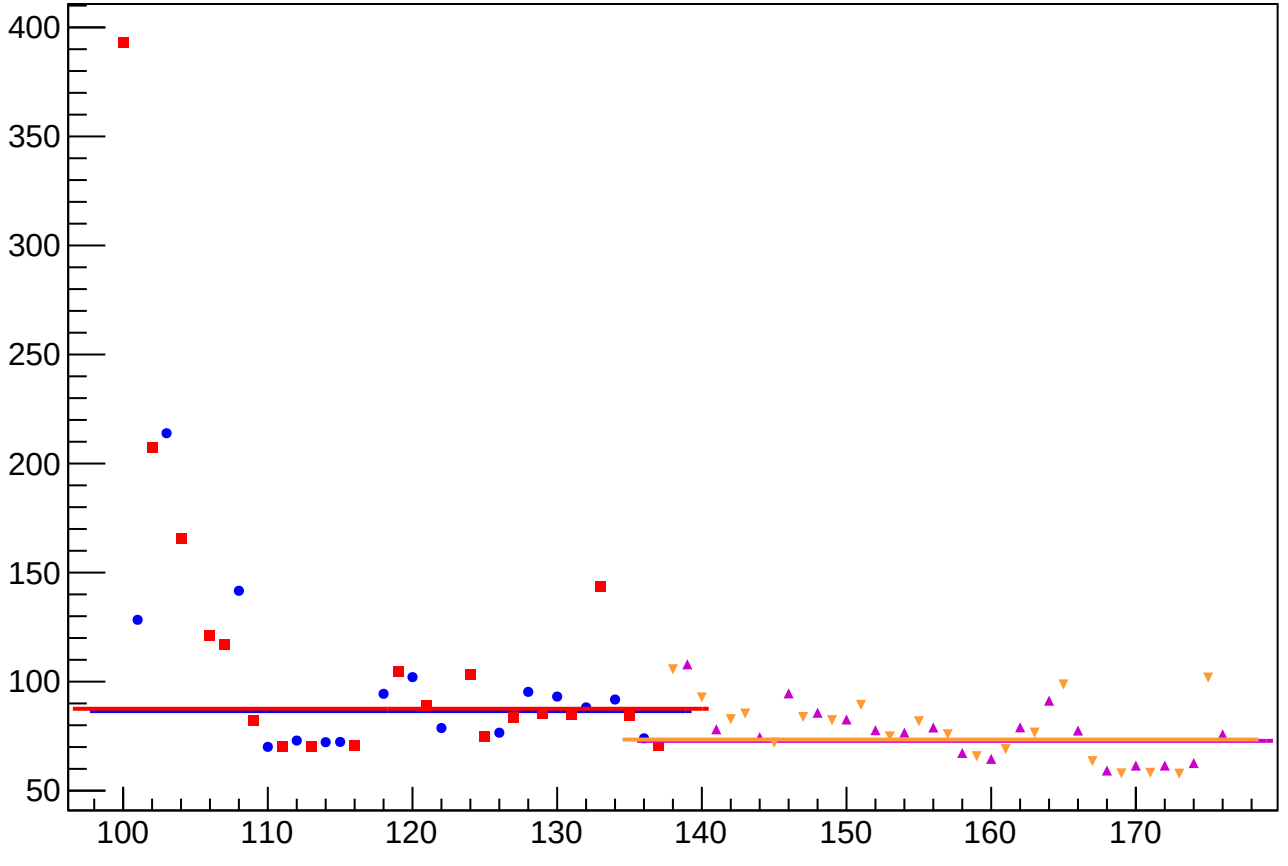
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 44.374+/-16.603 χ^2/NDF:50.0/34

Out: 64.869+/-16.609 χ^2/NDF:67.5/38

All: 54.618+/-11.742 χ^2/NDF: 118.3/73

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.443+/-0.013 χ^2/NDF:967094.0/19

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.841+/-0.013 χ^2/NDF:692808.8/18

Left: 73.143+/-0.010 χ^2/NDF: 1660903.8/38

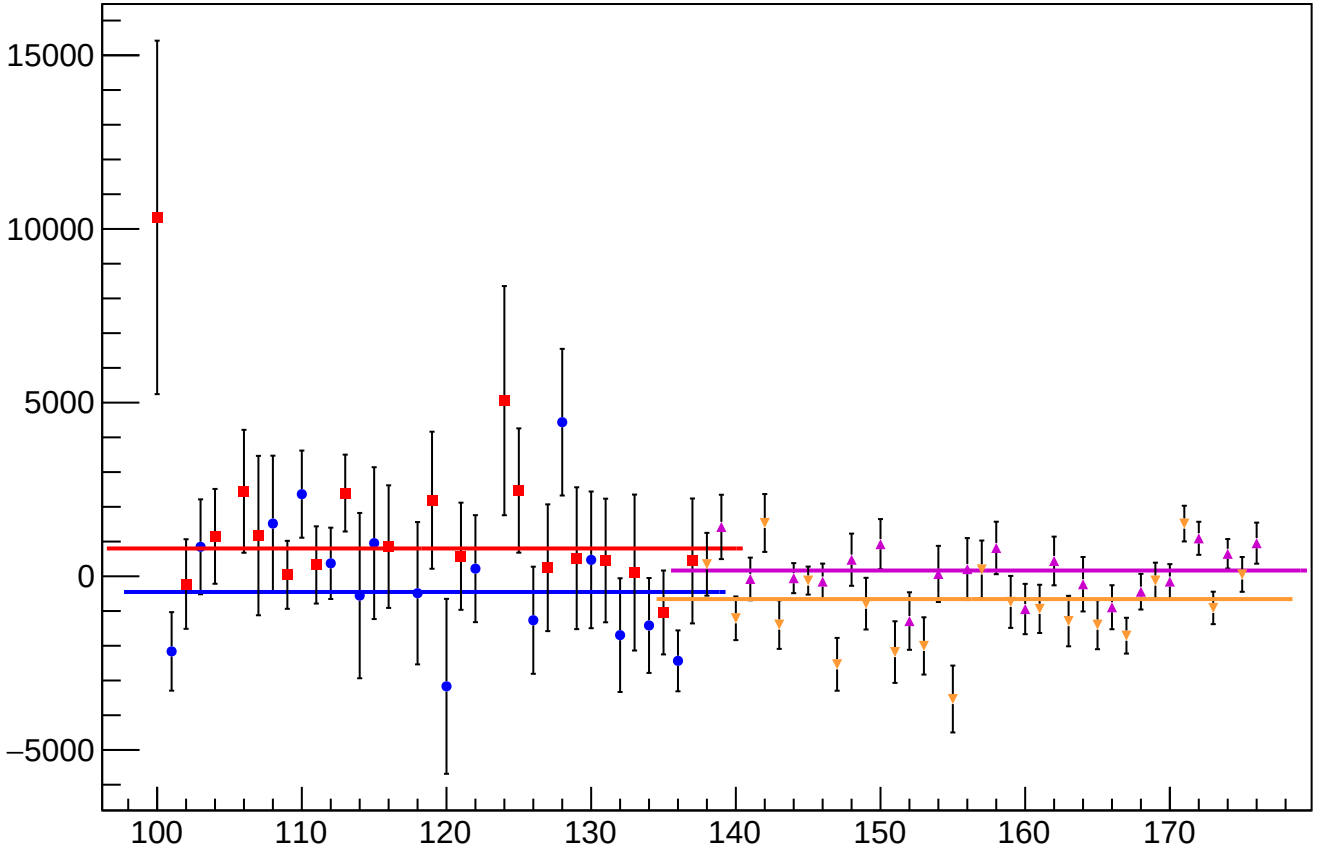
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.141+/-0.012 χ^2/NDF:1796883.8/34

Out: 76.796+/-0.012 χ^2/NDF:2358422.9/38

All: 76.469+/-0.008 χ^2/NDF: 4156862.3/73

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 166.373+/-139.706 χ^2/NDF:21.9/18

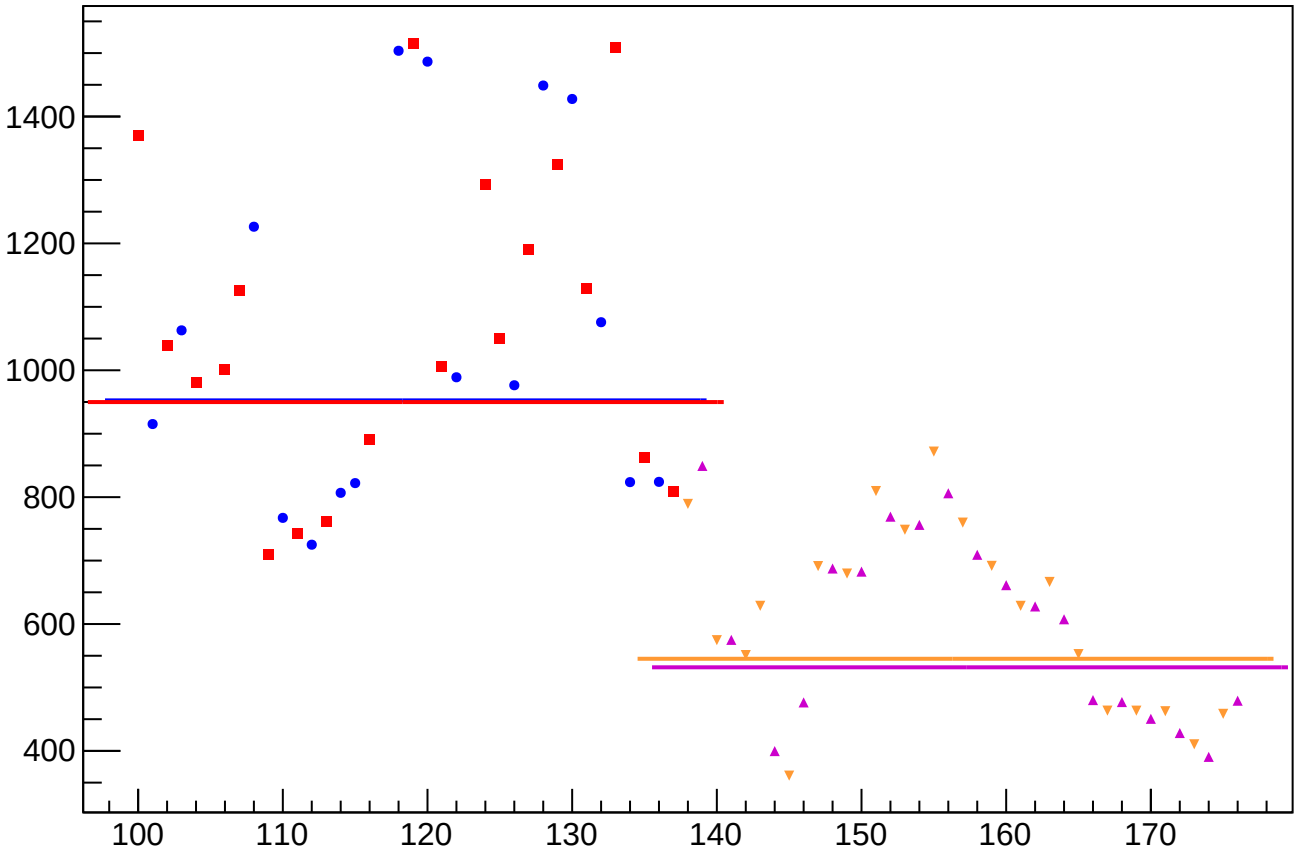
Left: -239.076+/-99.474 χ^2/NDF: 100.0/38

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 87.663+/-130.503 χ^2/NDF:48.2/34

Out: -458.573+/-131.723 χ^2/NDF:88.9/38

All: -182.913+/-92.708 χ^2/NDF: 145.8/73



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 545.233+/-0.100 χ^2/NDF:1938096.7/19

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 531.767+/-0.099 χ^2/NDF:1785619.5/18

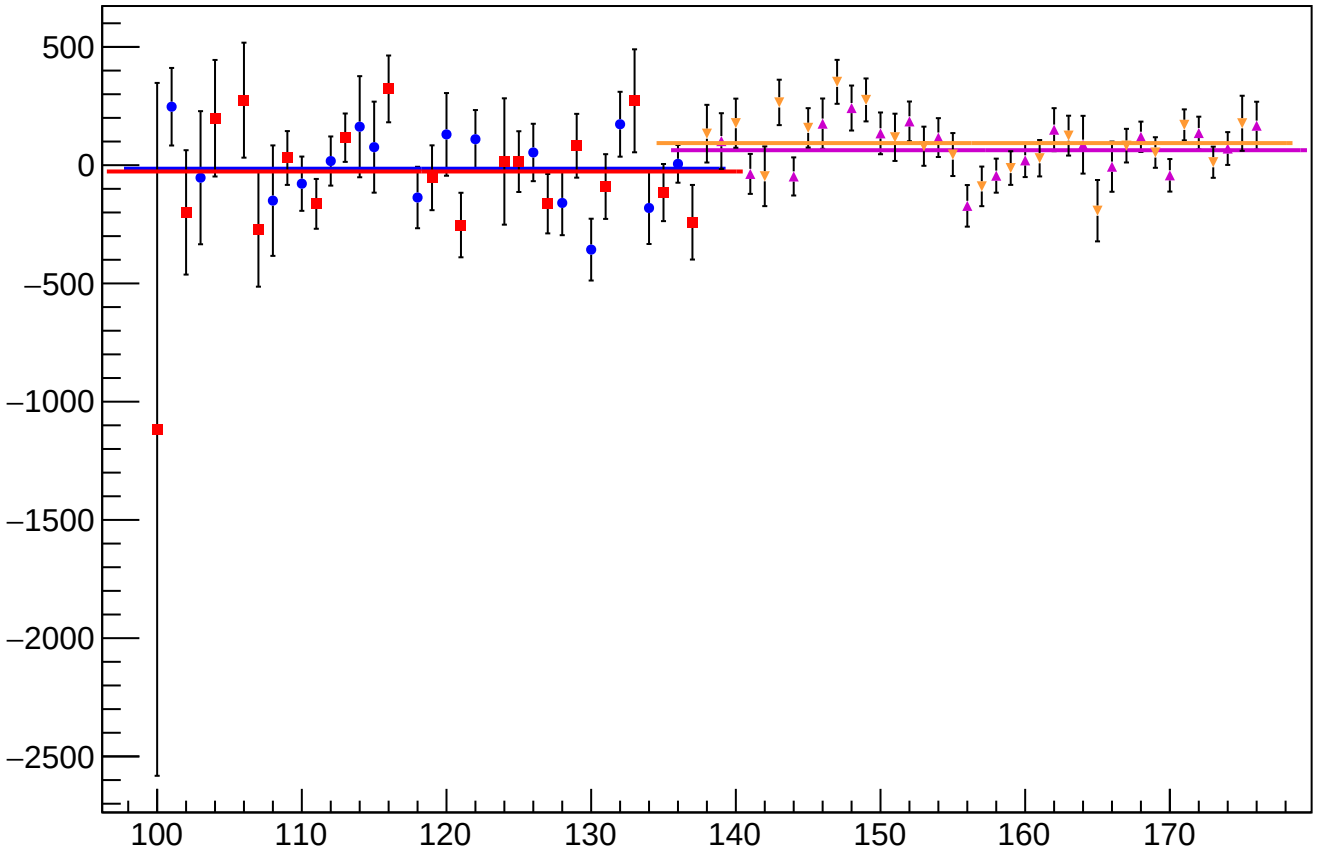
Left: 538.406+/-0.070 χ^2/NDF: 3732877.2/38

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 585.381+/-0.092 χ^2/NDF:4843665.5/34

Out: 600.057+/-0.093 χ^2/NDF:4900525.2/38

All: 592.651+/-0.066 χ^2/NDF: 9756720.6/73



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 93.396+/-19.022 χ^2/NDF:34.5/19

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 63.297+/-19.068 χ^2/NDF:27.7/18

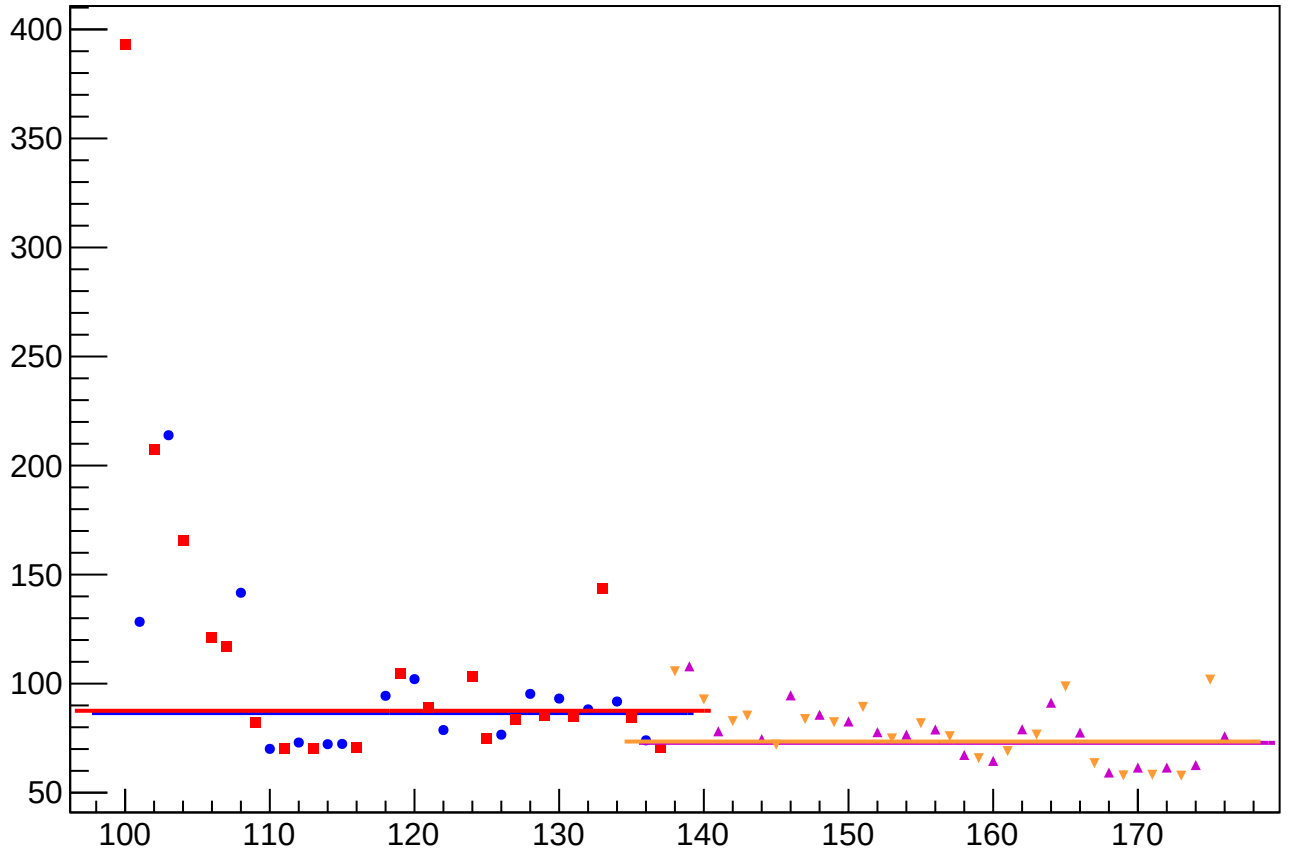
Left: 78.382+/-13.467 χ^2/NDF: 63.4/38

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 44.373+/-16.603 χ^2/NDF:50.0/34

Out: 64.869+/-16.609 χ^2/NDF:67.5/38

All: 54.617+/-11.742 χ^2/NDF: 118.3/73



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.443+/-0.013 χ^2/NDF:967103.3/19

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.841+/-0.013 χ^2/NDF:692814.5/18

Left: 73.143+/-0.010 χ^2/NDF: 1660918.8/38

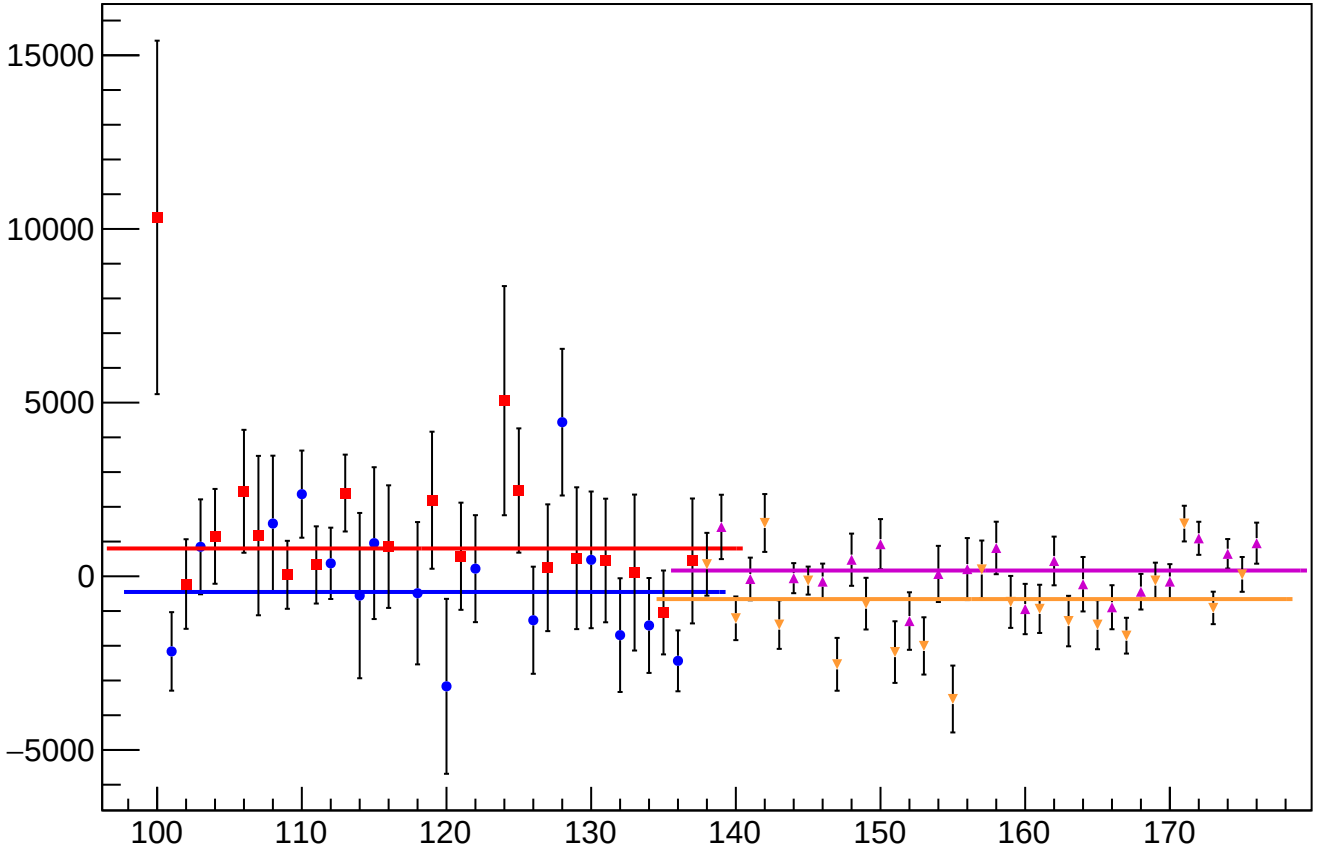
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.142+/-0.012 χ^2/NDF:1796884.6/34

Out: 76.797+/-0.012 χ^2/NDF:2358435.7/38

All: 76.469+/-0.008 χ^2/NDF: 4156876.1/73

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: -655.998+/-141.669 χ^2/NDF:61.0/19

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 166.372+/-139.706 χ^2/NDF:21.9/18

Left: -239.077+/-99.474 χ^2/NDF: 100.0/38

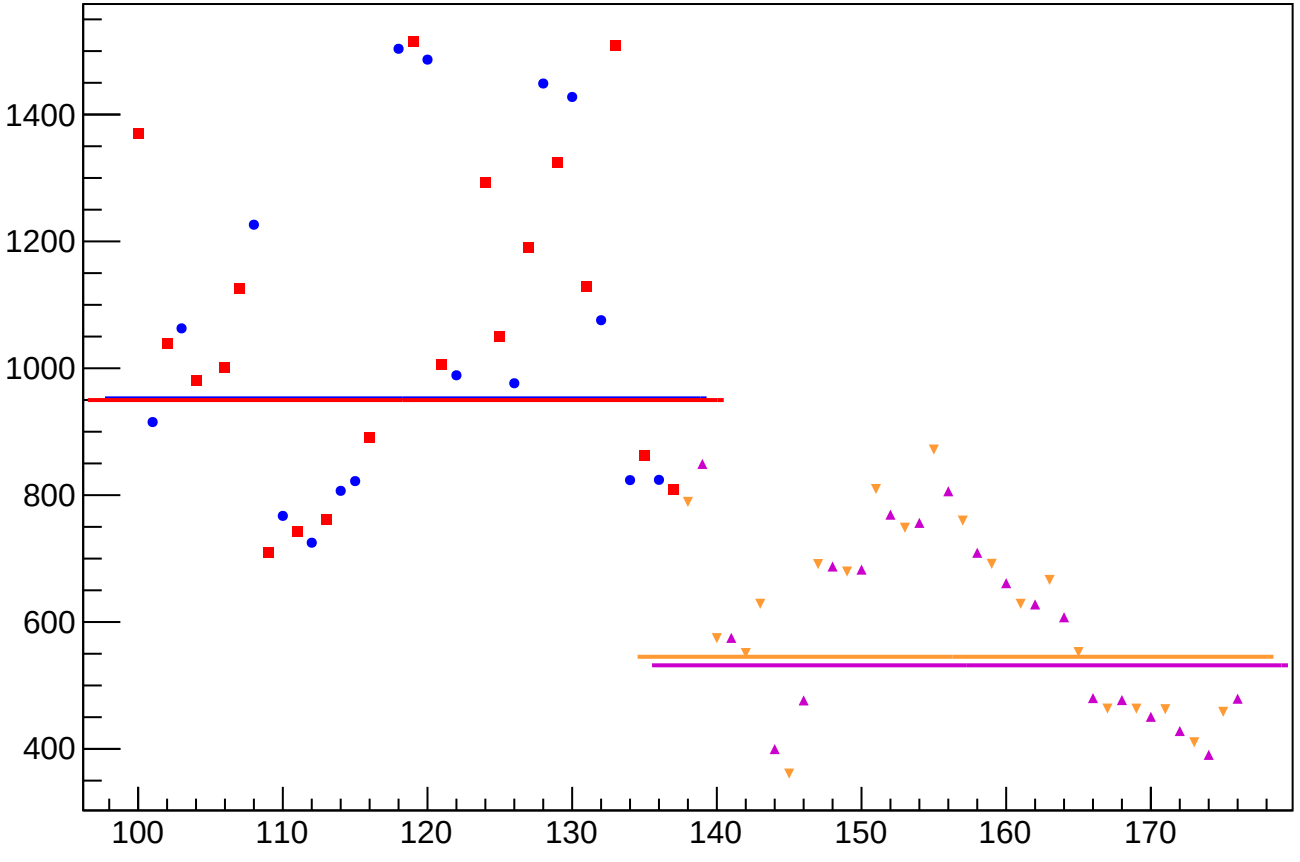
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 87.663+/-130.503 χ^2/NDF:48.2/34

Out: -458.573+/-131.723 χ^2/NDF:88.9/38

All: -182.914+/-92.708 χ^2/NDF: 145.8/73

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: 545.233+/-0.100 χ^2/NDF:1938092.2/19

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 531.767+/-0.099 χ^2/NDF:1785613.7/18

Left: 538.406+/-0.070 χ^2/NDF: 3732866.8/38

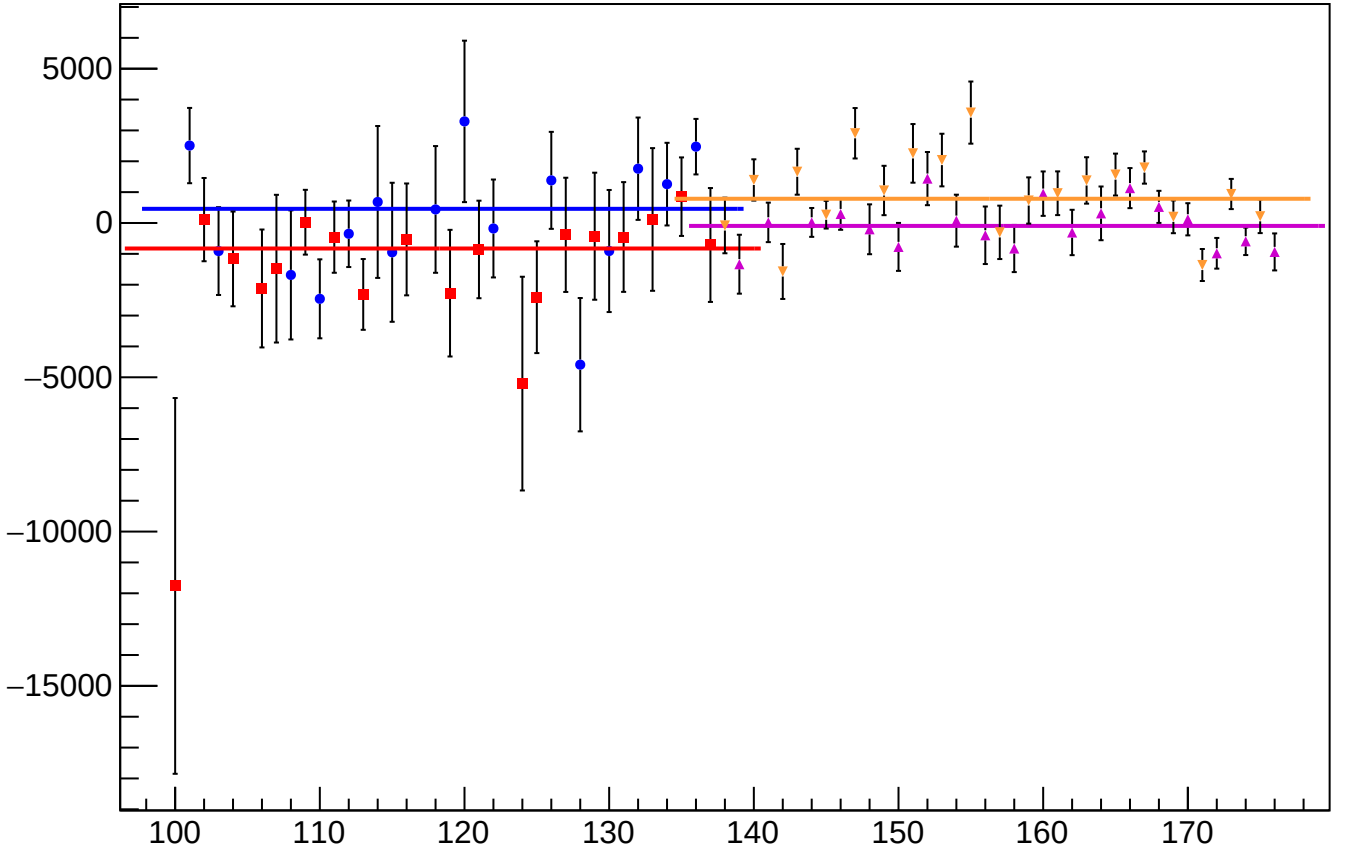
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 585.380+/-0.092 χ^2/NDF:4843652.9/34

Out: 600.057+/-0.093 χ^2/NDF:4900512.1/38

All: 592.650+/-0.066 χ^2/NDF: 9756694.8/73

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 785.392+/-148.200 χ^2/NDF:57.5/19

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -94.514+/-145.191 χ^2/NDF:21.3/18

Left: 336.413+/-103.713 χ^2/NDF: 96.8/38

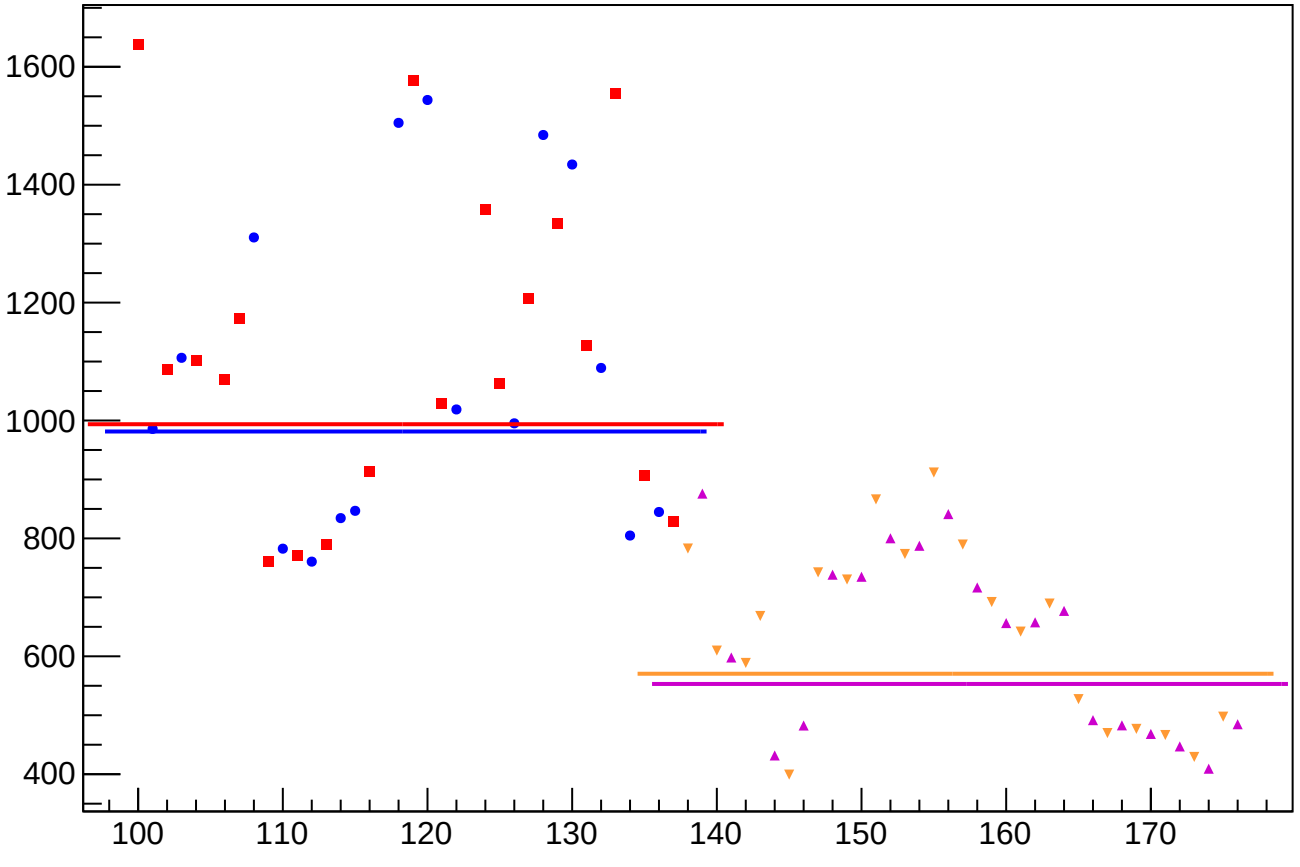
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: -22.962+/-135.484 χ^2/NDF:47.8/34

Out: 566.883+/-137.790 χ^2/NDF:85.2/38

All: 266.984+/-96.607 χ^2/NDF: 142.2/73

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 570.418+/-0.105 χ^2/NDF:1827973.3/19

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 553.081+/-0.103 χ^2/NDF:1782713.2/18

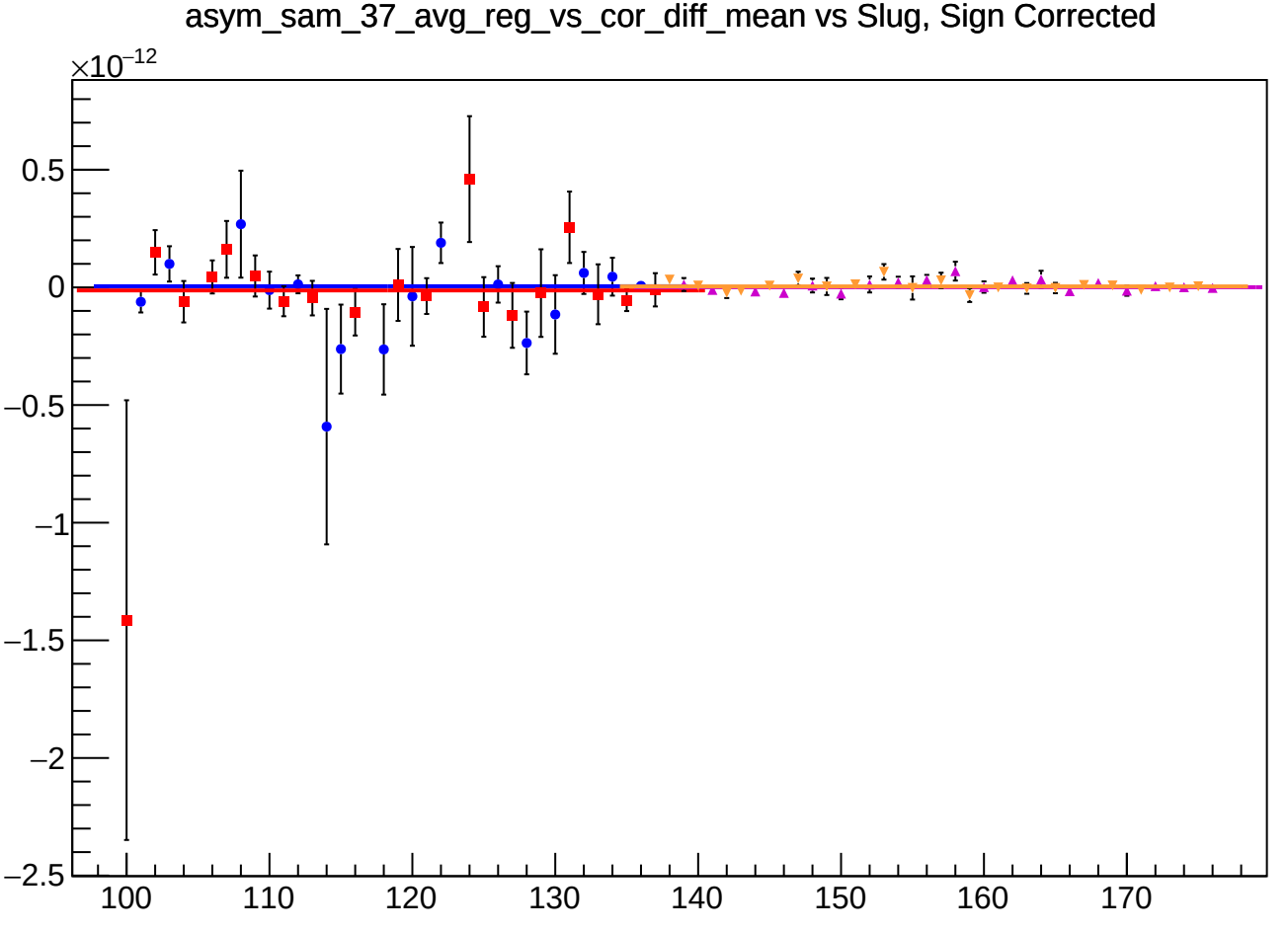
Left: 561.571+/-0.073 χ^2/NDF: 3624652.3/38

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 608.429+/-0.096 χ^2/NDF:4769245.3/34

Out: 627.795+/-0.097 χ^2/NDF:4759259.5/38

All: 617.949+/-0.068 χ^2/NDF: 9548591.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/18

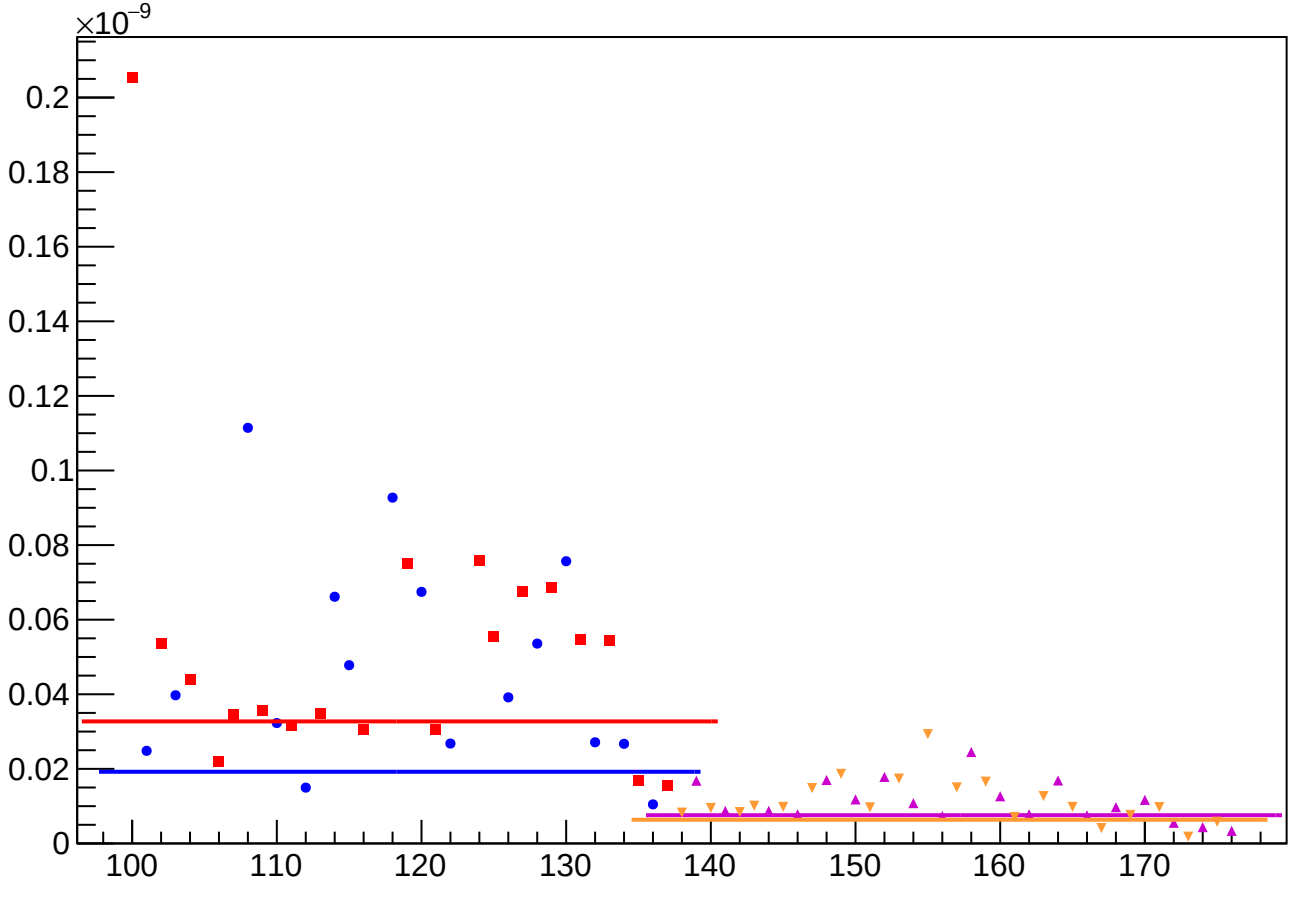
Left: 0.000+/-0.000 χ^2/NDF: 33.1/38

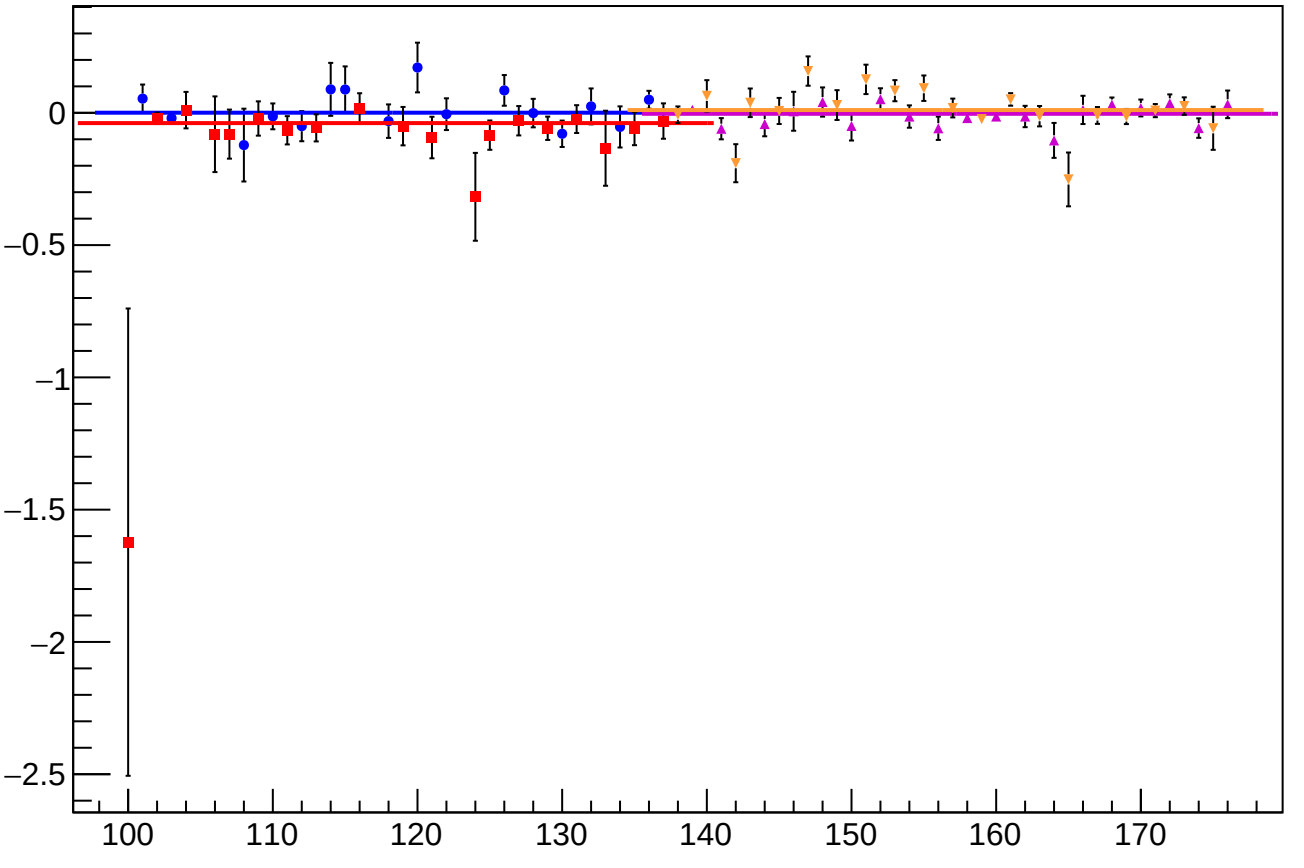
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:33.4/38

All: 0.000+/-0.000 χ^2/NDF: 71.7/73


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:3205552.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2093073.9/18
Left: 0.000+/-0.000 χ²/NDF: 5410272.8/38
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:5284597.4/34
Out: 0.000+/-0.000 χ²/NDF:7534507.8/38
All: 0.000+/-0.000 χ²/NDF: 12956568.3/73



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.002+/-0.005 χ^2/NDF: 63.6/38

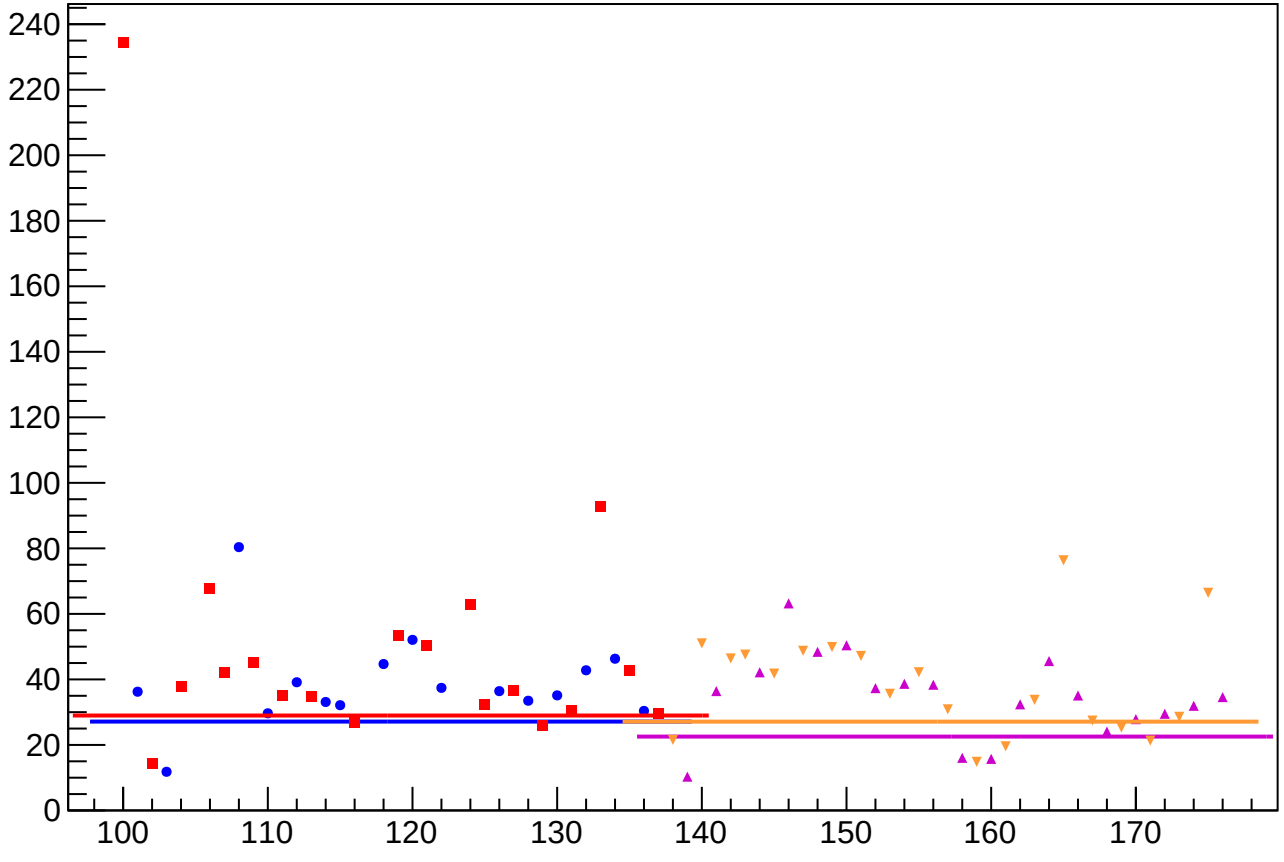
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.4/73

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: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

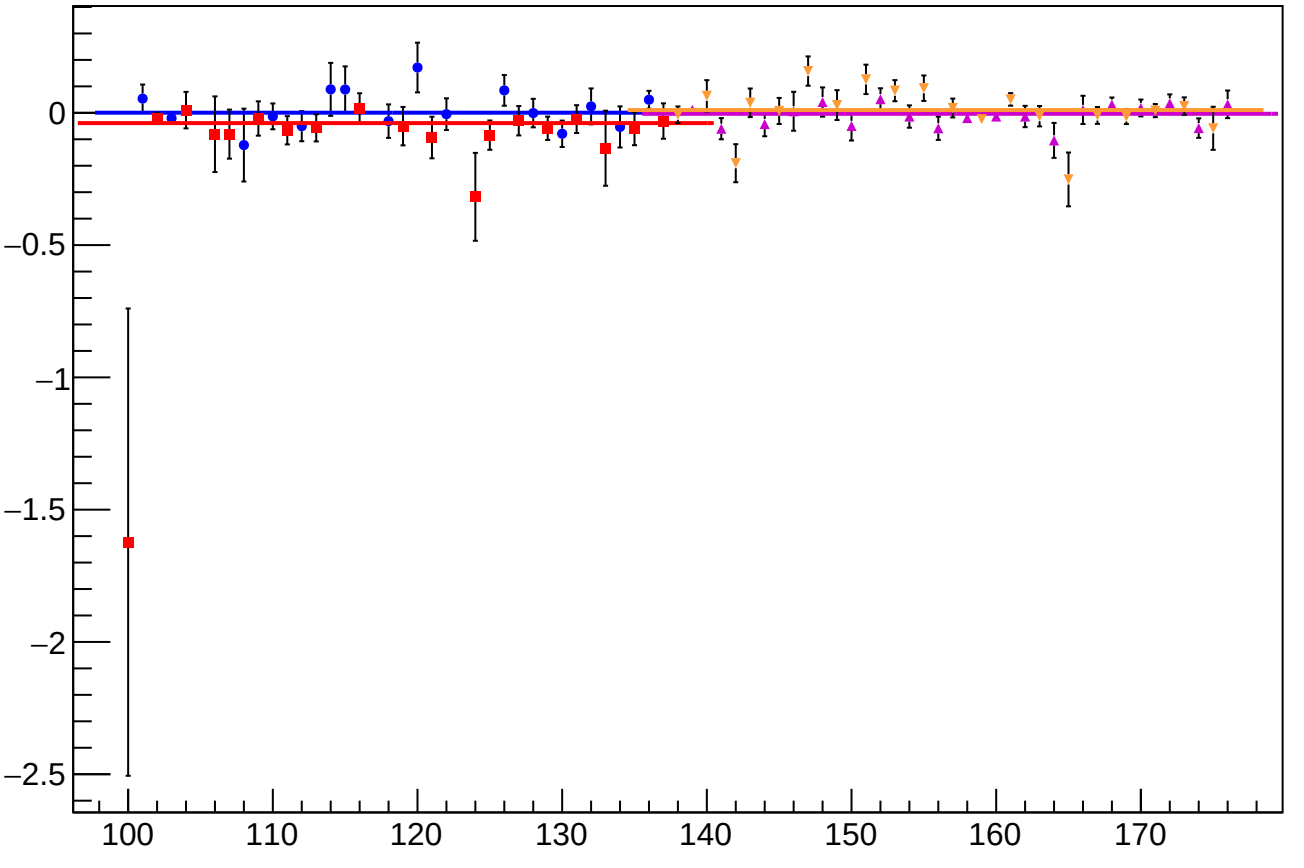
Left: 24.537+/-0.004 χ^2/NDF: 11044412.3/38

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.684+/-0.004 χ^2/NDF:8669190.3/34

Out: 27.631+/-0.005 χ^2/NDF:7115990.7/38

All: 25.446+/-0.003 χ^2/NDF: 16172732.6/73



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.002+/-0.005 χ^2/NDF: 63.6/38

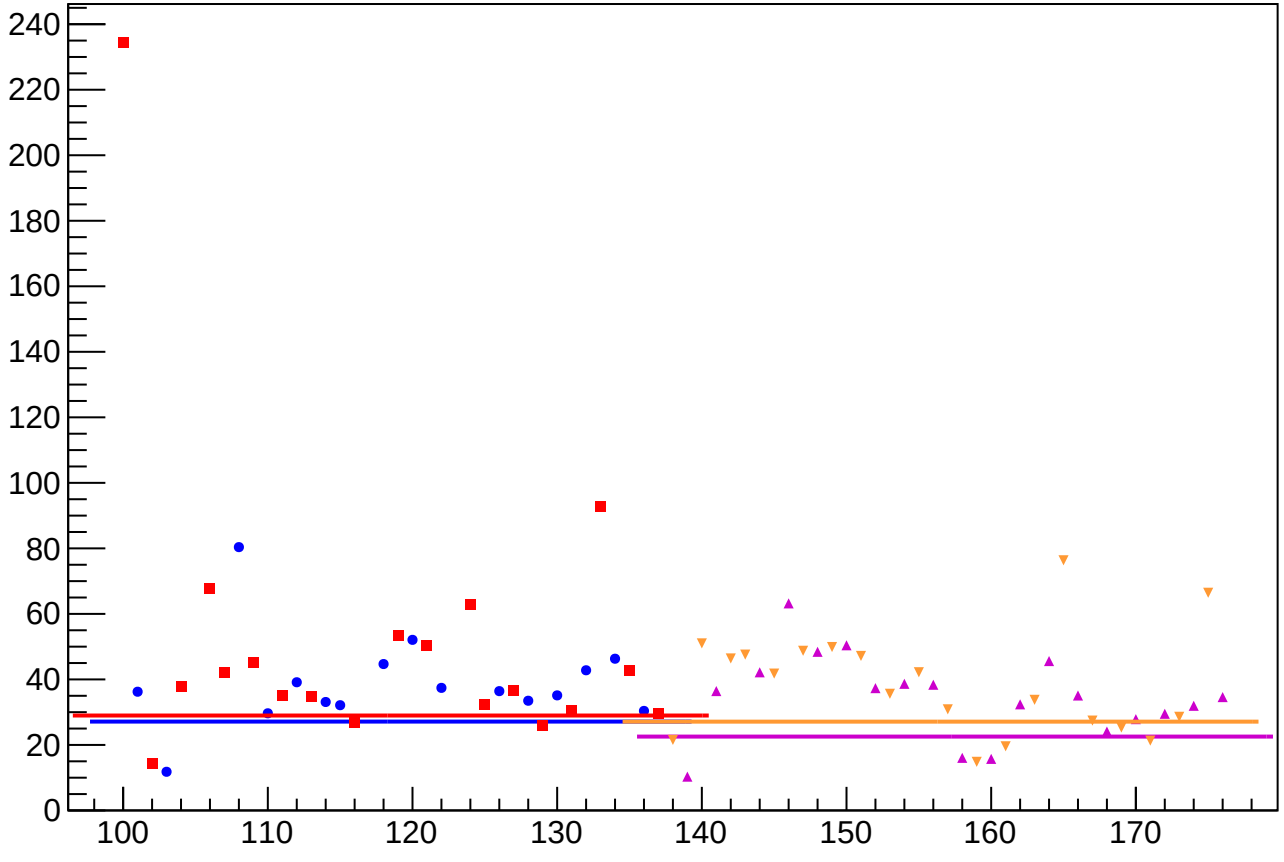
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.4/73

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: 27.110+/-0.006 χ^2/NDF:4628202.4/19

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

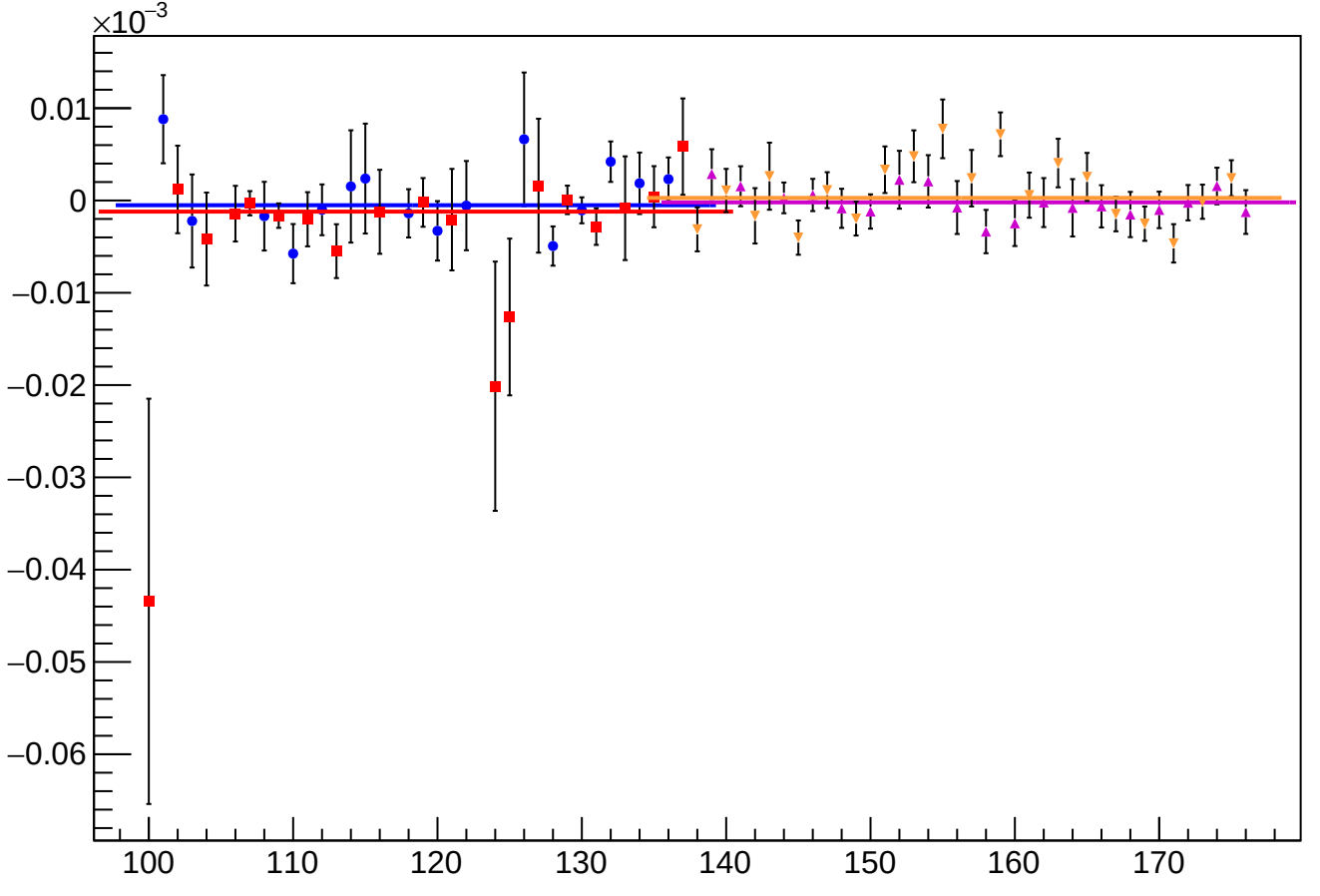
Left: 24.537+/-0.004 χ^2/NDF: 11044412.3/38

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.684+/-0.004 χ^2/NDF:8669190.3/34

Out: 27.631+/-0.005 χ^2/NDF:7115990.7/38

All: 25.446+/-0.003 χ^2/NDF: 16172732.6/73



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/18

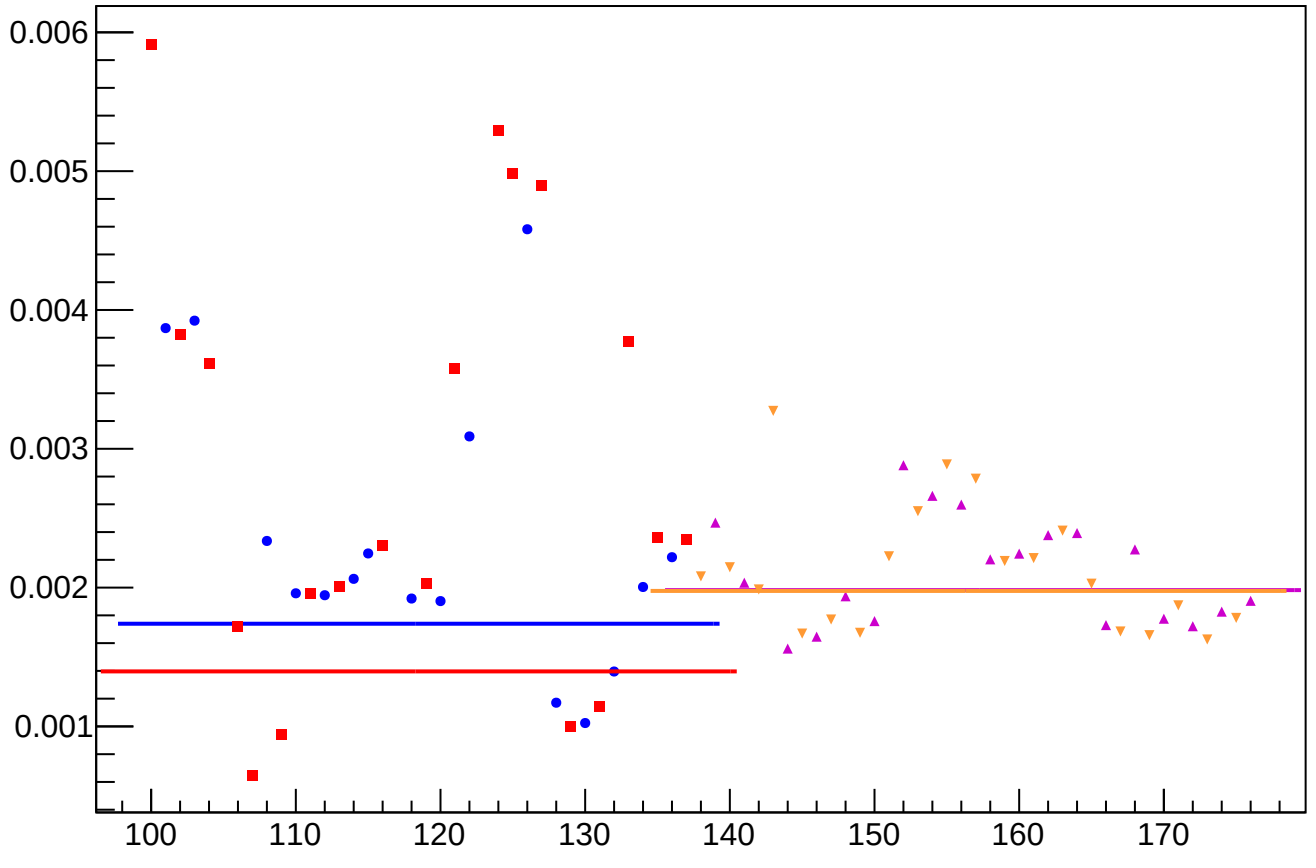
Left: 0.000+/-0.000 χ^2/NDF: 50.0/38

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.2/34

Out: -0.000+/-0.000 χ^2/NDF:59.5/38

All: -0.000+/-0.000 χ^2/NDF: 87.7/73



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1101567.7/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:915250.0/18

Left: 0.002+/-0.000 χ^2/NDF: 2016946.5/38

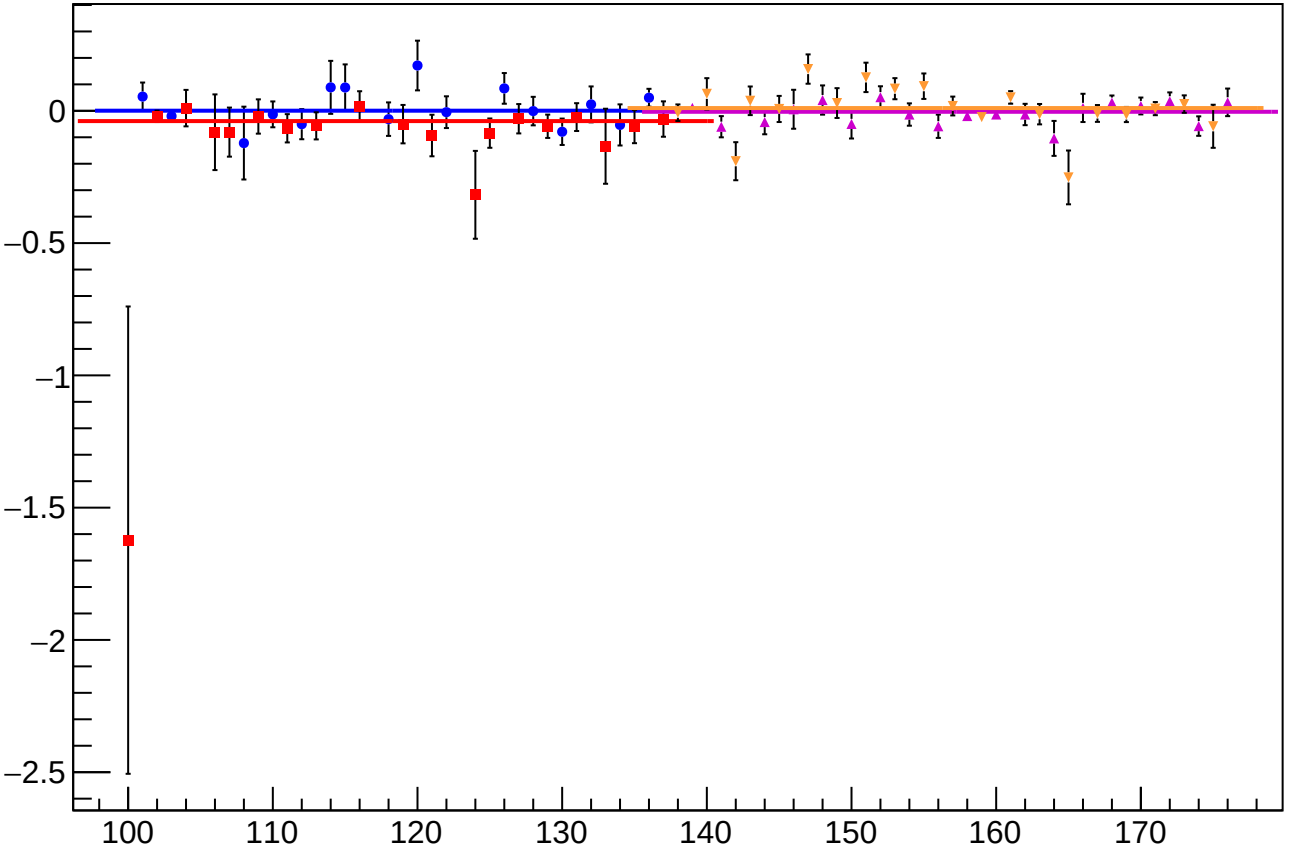
Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3213181.7/34

Out: 0.002+/-0.000 χ^2/NDF:6488909.9/38

All: 0.002+/-0.000 χ^2/NDF: 9859289.5/73

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.002+/-0.005 χ^2/NDF: 63.6/38

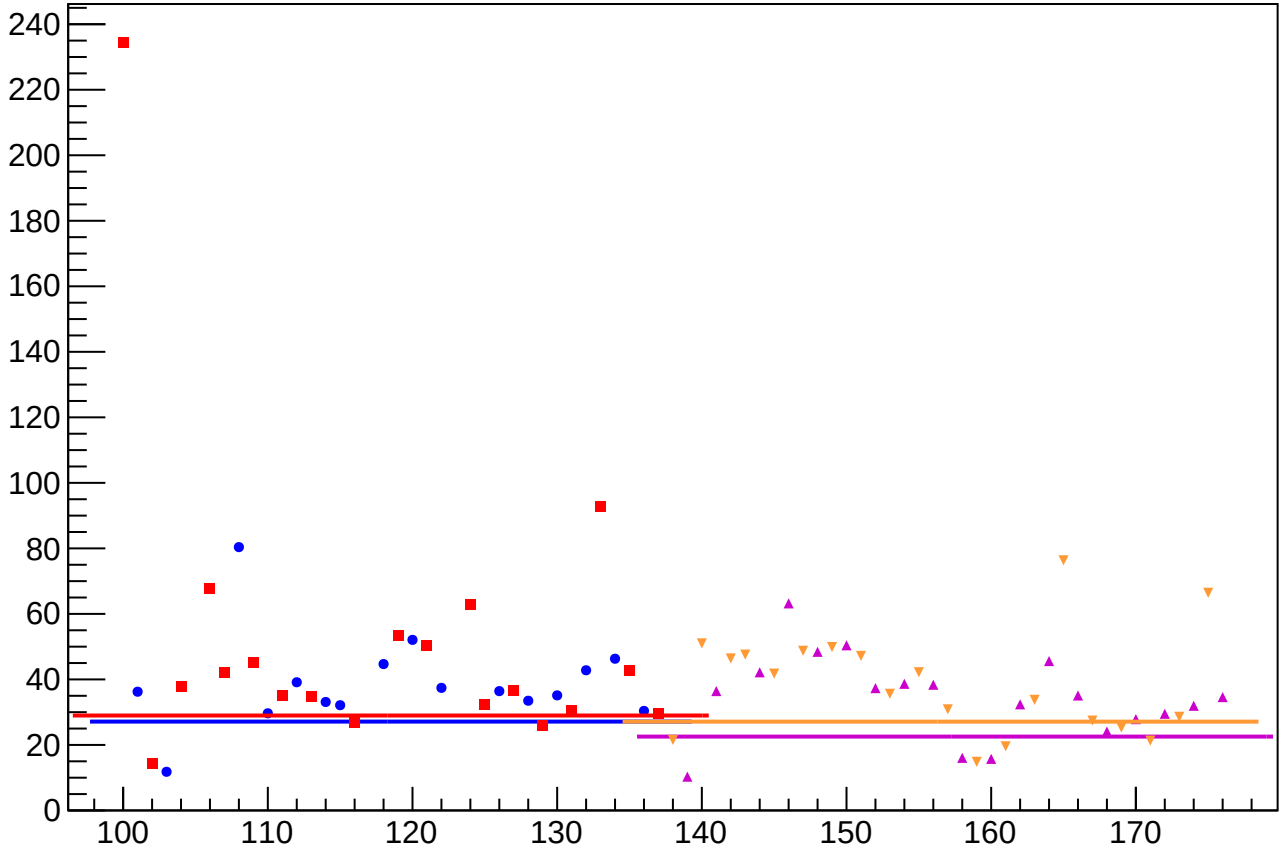
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.4/73

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: 27.110+/-0.006 χ^2/NDF:4628623.3/19

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

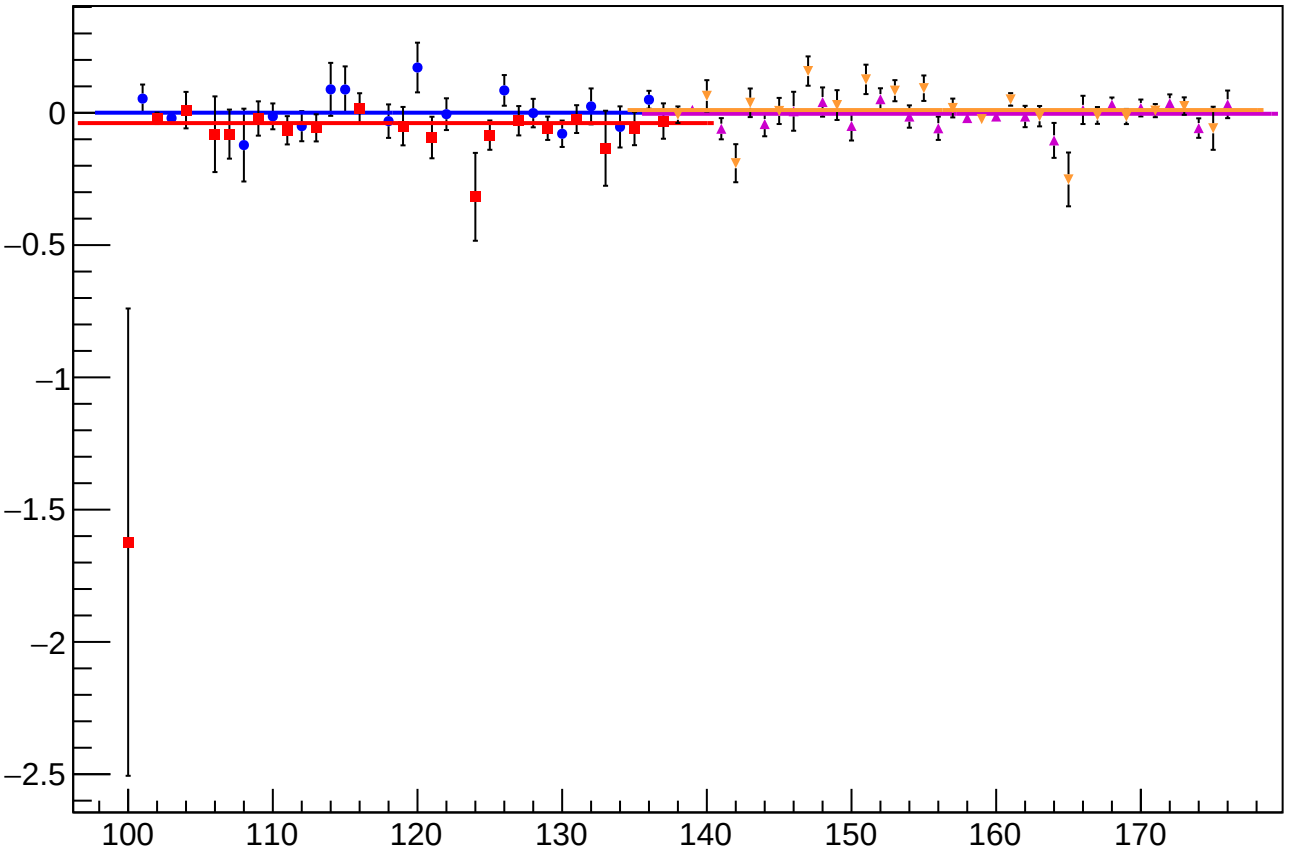
Left: 24.537+/-0.004 χ^2/NDF: 11045908.5/38

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.683+/-0.004 χ^2/NDF:8670514.7/34

Out: 27.632+/-0.005 χ^2/NDF:7115919.9/38

All: 25.445+/-0.003 χ^2/NDF: 16174274.0/73



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:43.4/19

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.002+/-0.005 χ^2/NDF: 63.6/38

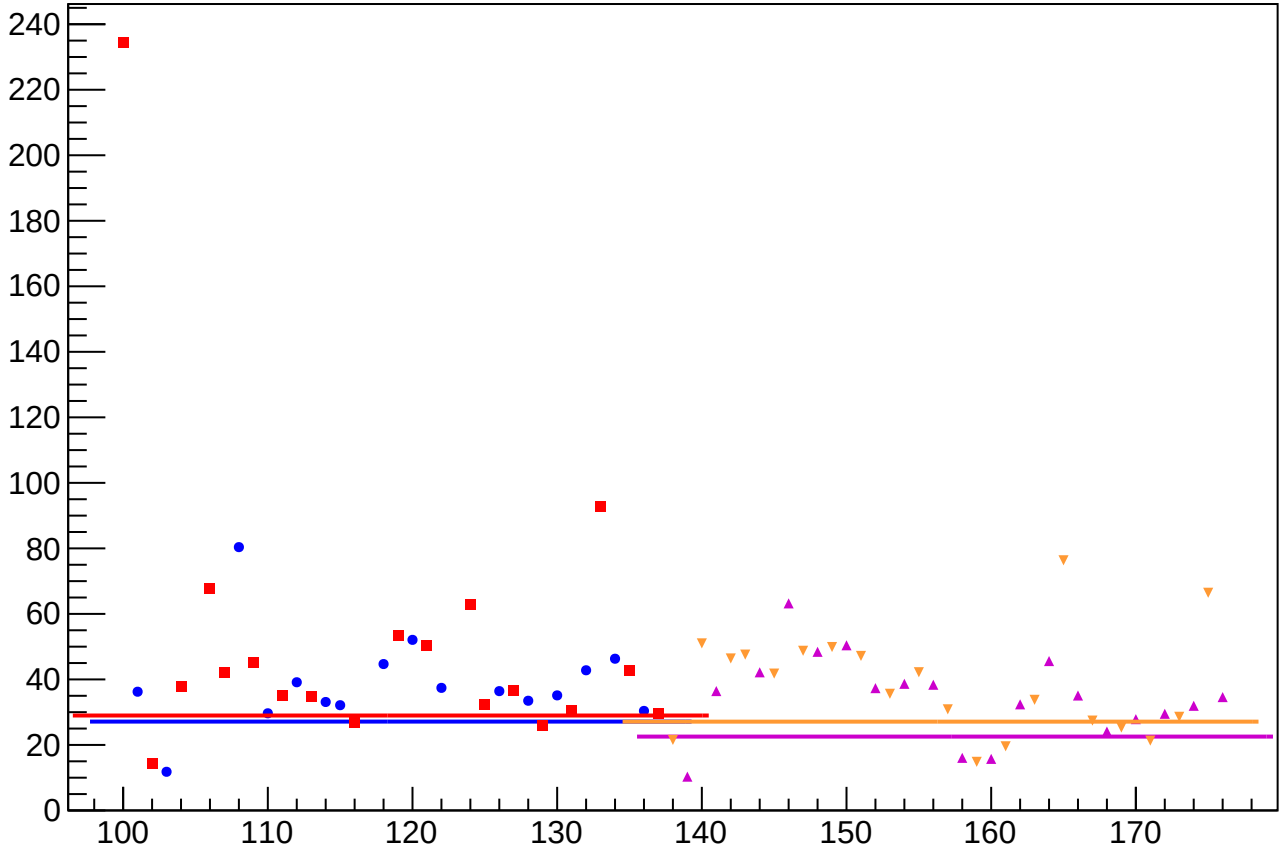
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.003+/-0.007 χ^2/NDF:65.4/38

All: -0.003+/-0.004 χ^2/NDF: 100.4/73

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: 27.110+/-0.006 χ^2/NDF:4628623.3/19

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

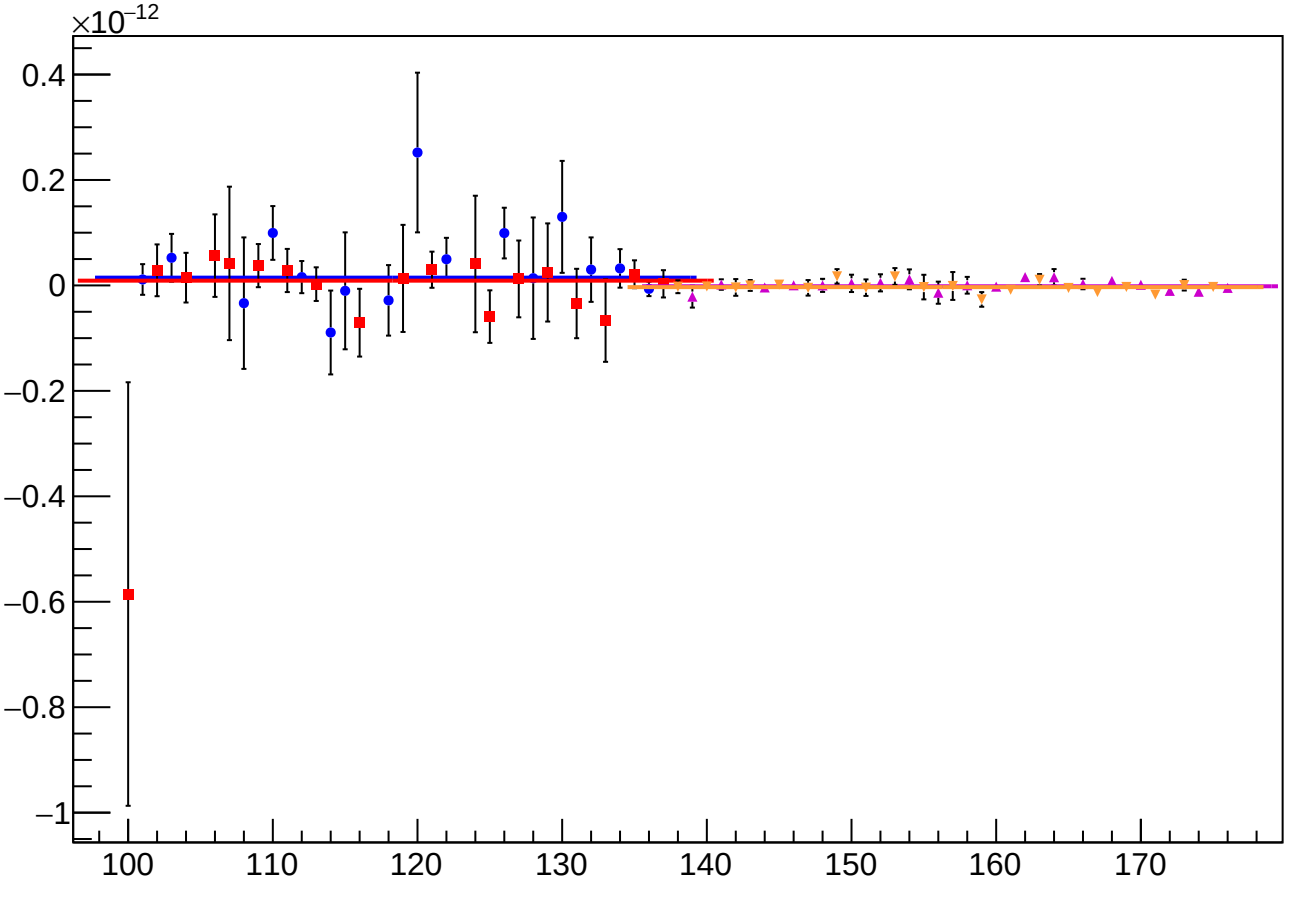
Left: 24.537+/-0.004 χ^2/NDF: 11045908.5/38

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.683+/-0.004 χ^2/NDF:8670514.7/34

Out: 27.632+/-0.005 χ^2/NDF:7115919.9/38

All: 25.445+/-0.003 χ^2/NDF: 16174274.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/18

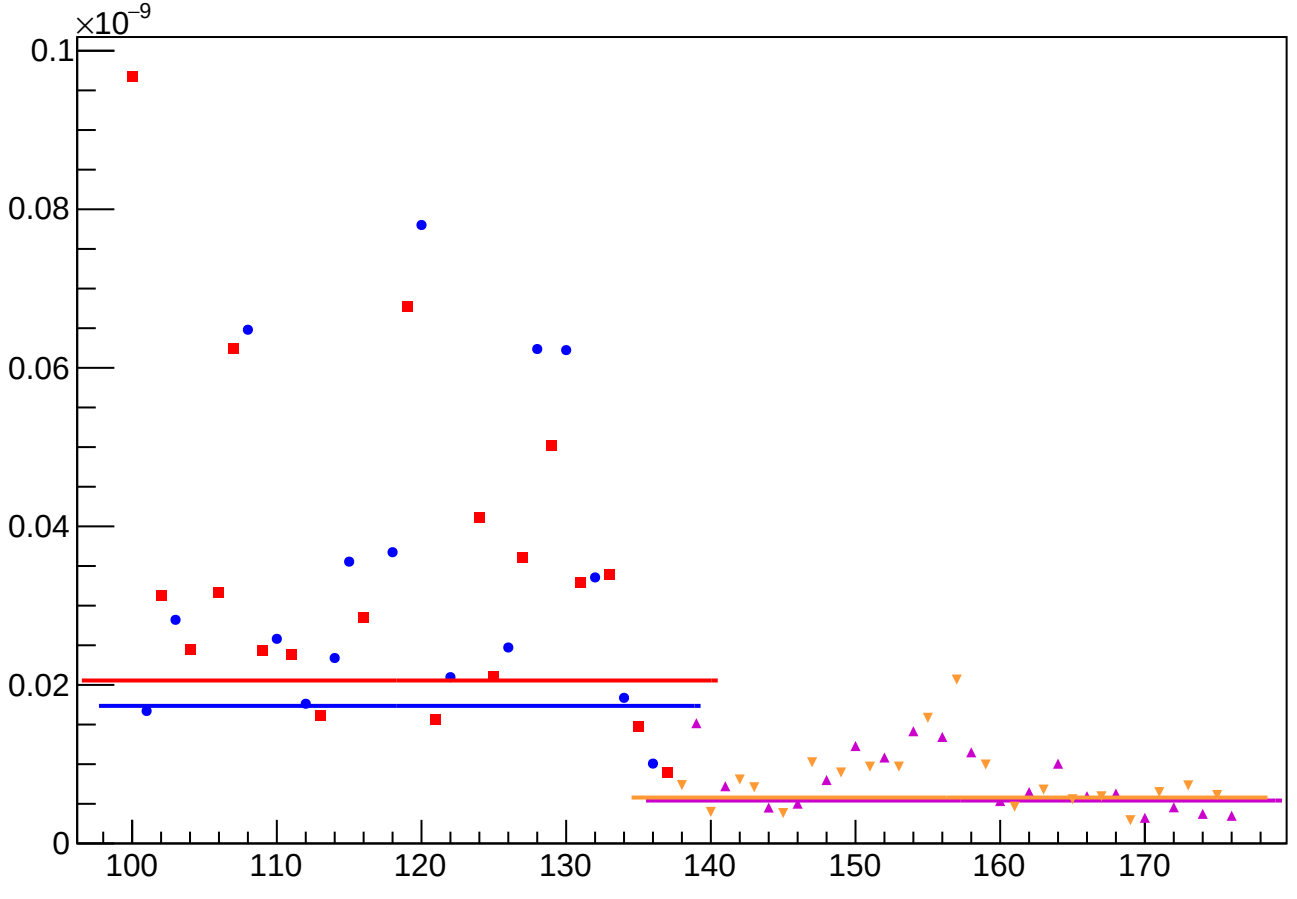
Left: -0.000+/-0.000 χ^2/NDF: 27.4/38

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:32.7/34

Out: -0.000+/-0.000 χ^2/NDF:23.6/38

All: -0.000+/-0.000 χ^2/NDF: 56.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2800875.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3172781.4/18

Left: 0.000+/-0.000 χ^2/NDF: 6005730.1/38

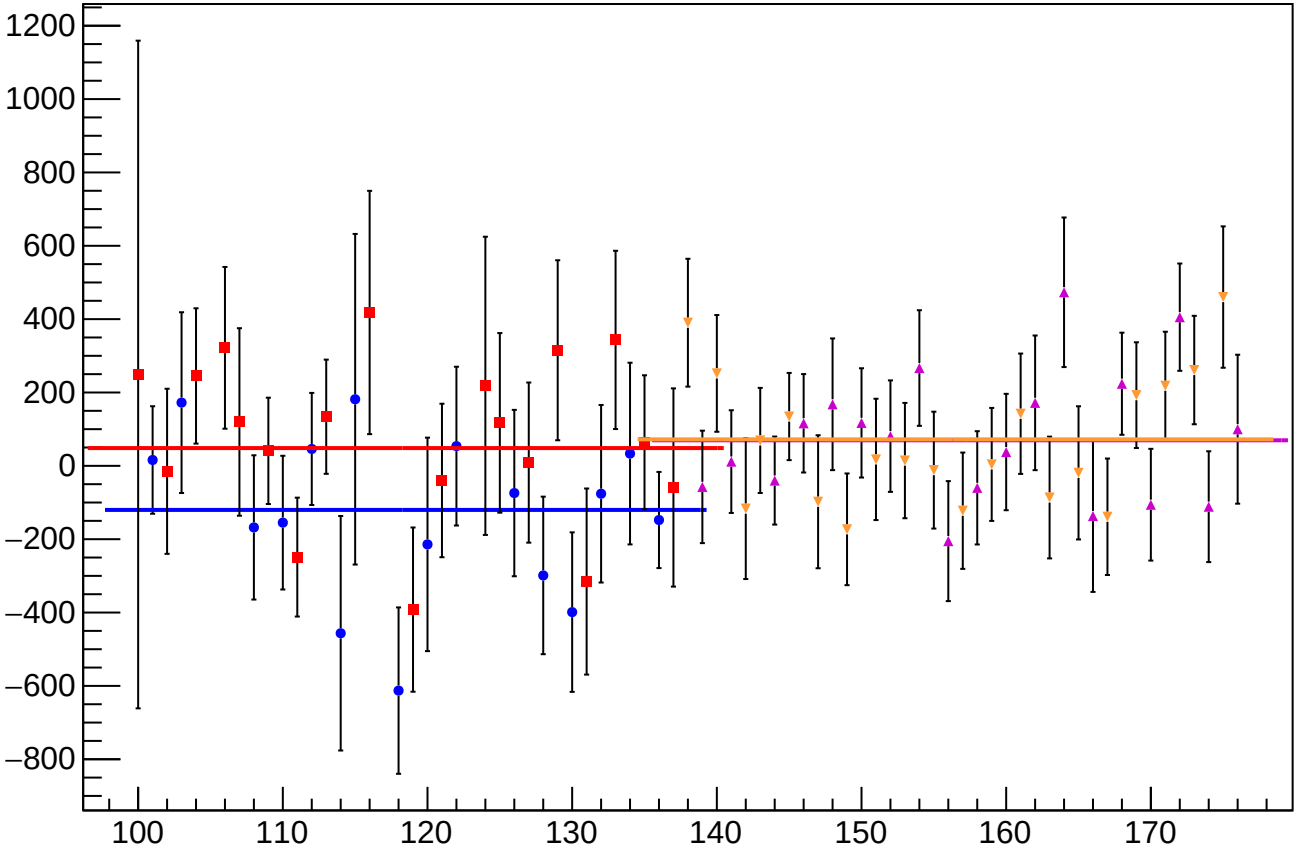
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8662089.3/34

Out: 0.000+/-0.000 χ^2/NDF:8303353.5/38

All: 0.000+/-0.000 χ^2/NDF: 17003277.8/73

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.251+/-35.330 χ^2/NDF:22.0/19

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 69.681+/-35.720 χ^2/NDF:21.9/18

Left: 70.980+/-25.119 χ^2/NDF: 43.9/38

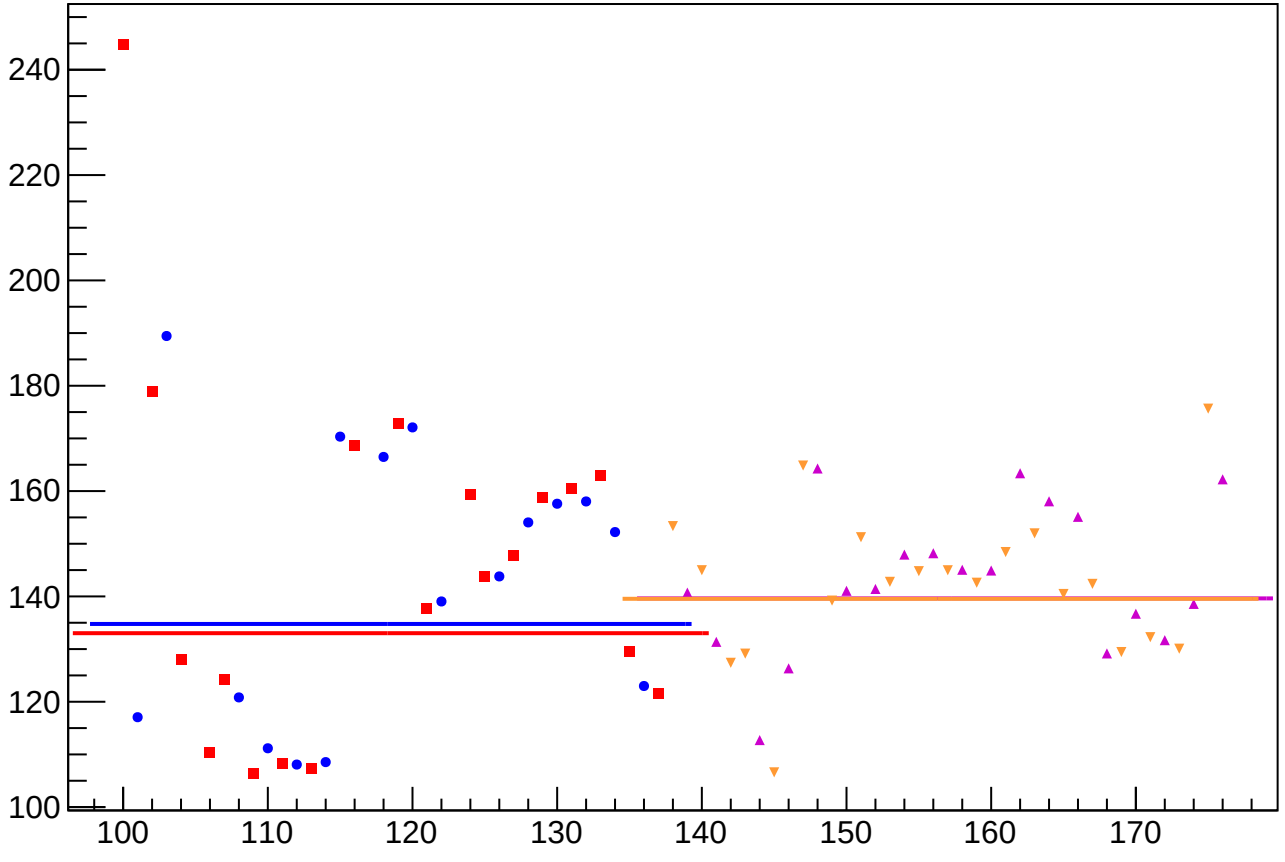
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 7.372+/-29.277 χ^2/NDF:44.5/34

Out: 64.306+/-28.836 χ^2/NDF:39.2/38

All: 36.271+/-20.544 χ^2/NDF: 85.6/73

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

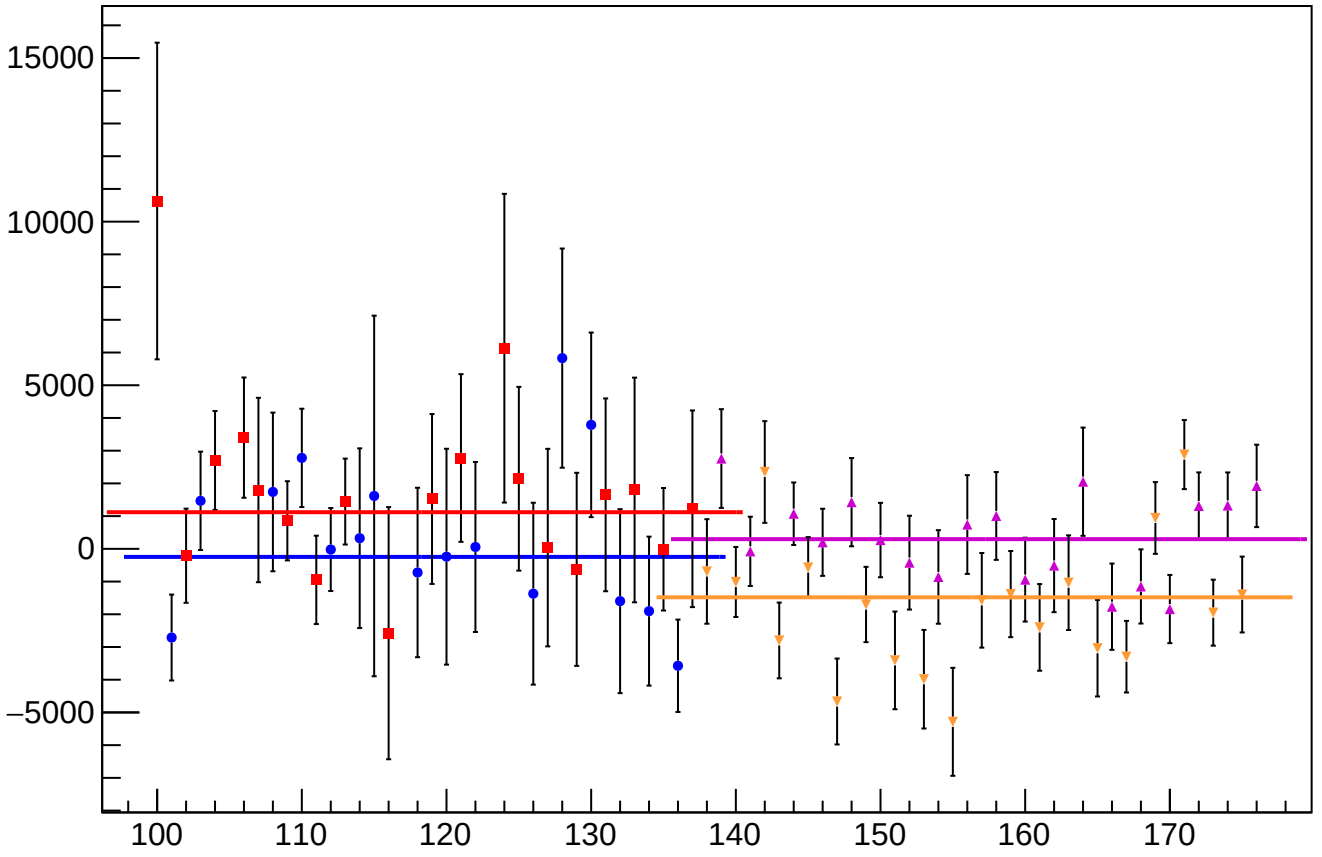
Left: 139.585+/-0.018 χ^2/NDF: 637965.0/38

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.031+/-0.021 χ^2/NDF:713866.7/34

Out: 137.369+/-0.020 χ^2/NDF:871502.1/38

All: 137.695+/-0.015 χ^2/NDF: 1585888.4/73



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1481.364+/-277.059 χ^2/NDF:51.1/19

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 295.692+/-277.661 χ^2/NDF:19.8/18

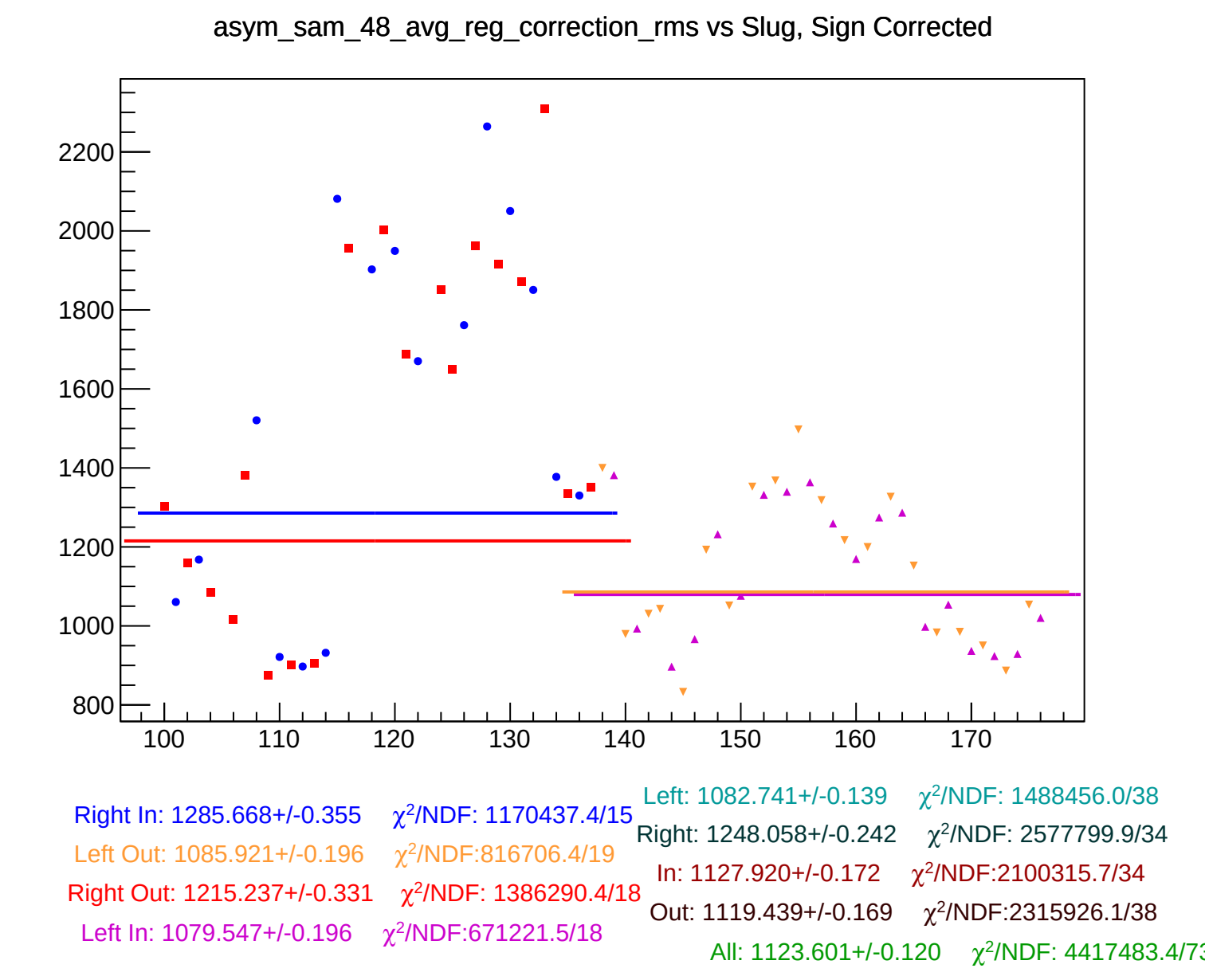
Left: -594.764+/-196.123 χ^2/NDF: 91.4/38

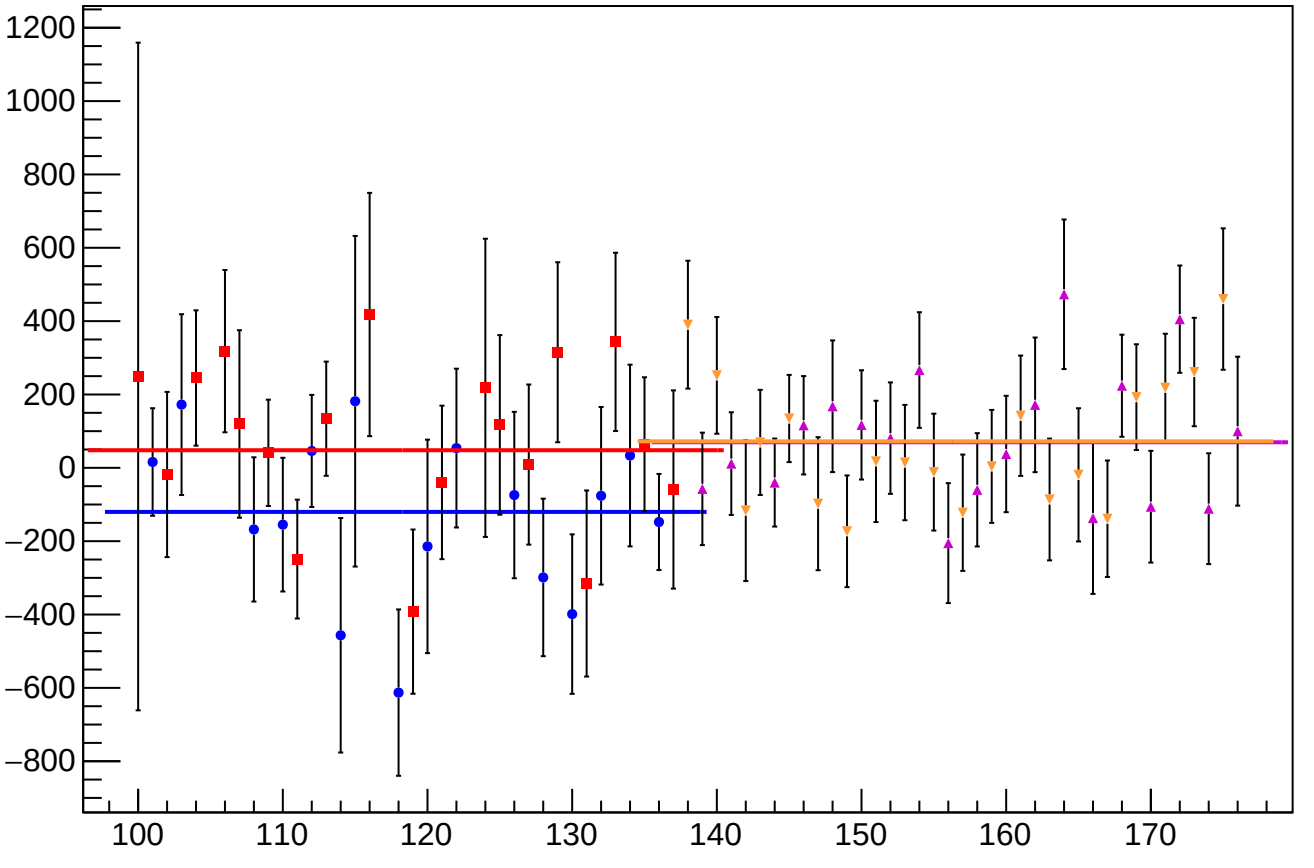
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 168.482+/-242.905 χ^2/NDF:42.3/34

Out: -807.265+/-238.466 χ^2/NDF:87.3/38

All: -328.388+/-170.169 χ^2/NDF: 137.8/73


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1085.921+/-0.196 χ²/NDF:816706.4/19
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1079.547+/-0.196 χ²/NDF:671221.5/18
Left: 1082.741+/-0.139 χ²/NDF: 1488456.0/38
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1127.920+/-0.172 χ²/NDF:2100315.7/34
Out: 1119.439+/-0.169 χ²/NDF:2315926.1/38
All: 1123.601+/-0.120 χ²/NDF: 4417483.4/73



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.256+/-35.330 χ^2/NDF:22.0/19

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 69.682+/-35.720 χ^2/NDF:21.9/18

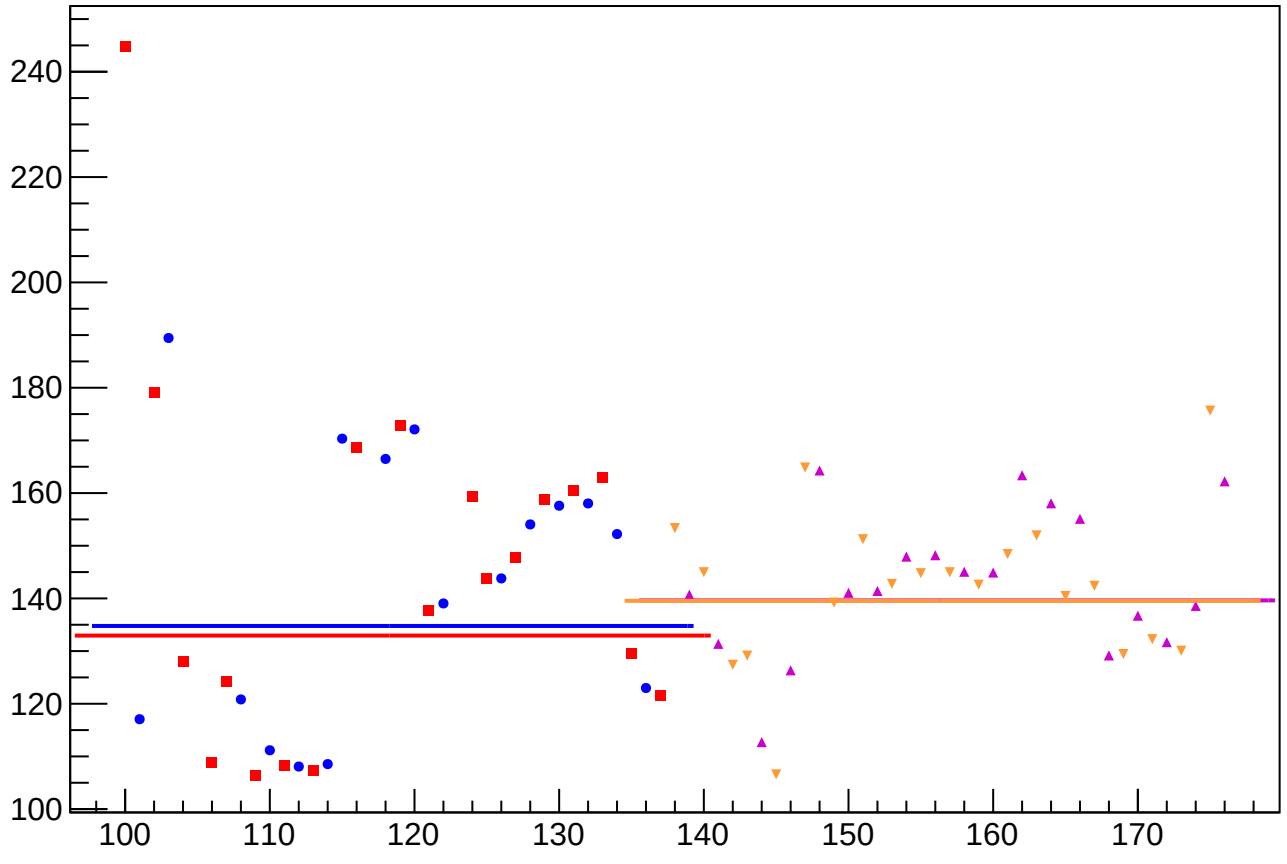
Left: 70.983+/-25.119 χ^2/NDF: 43.9/38

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 7.369+/-29.277 χ^2/NDF:44.5/34

Out: 64.165+/-28.838 χ^2/NDF:39.1/38

All: 36.196+/-20.545 χ^2/NDF: 85.6/73



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

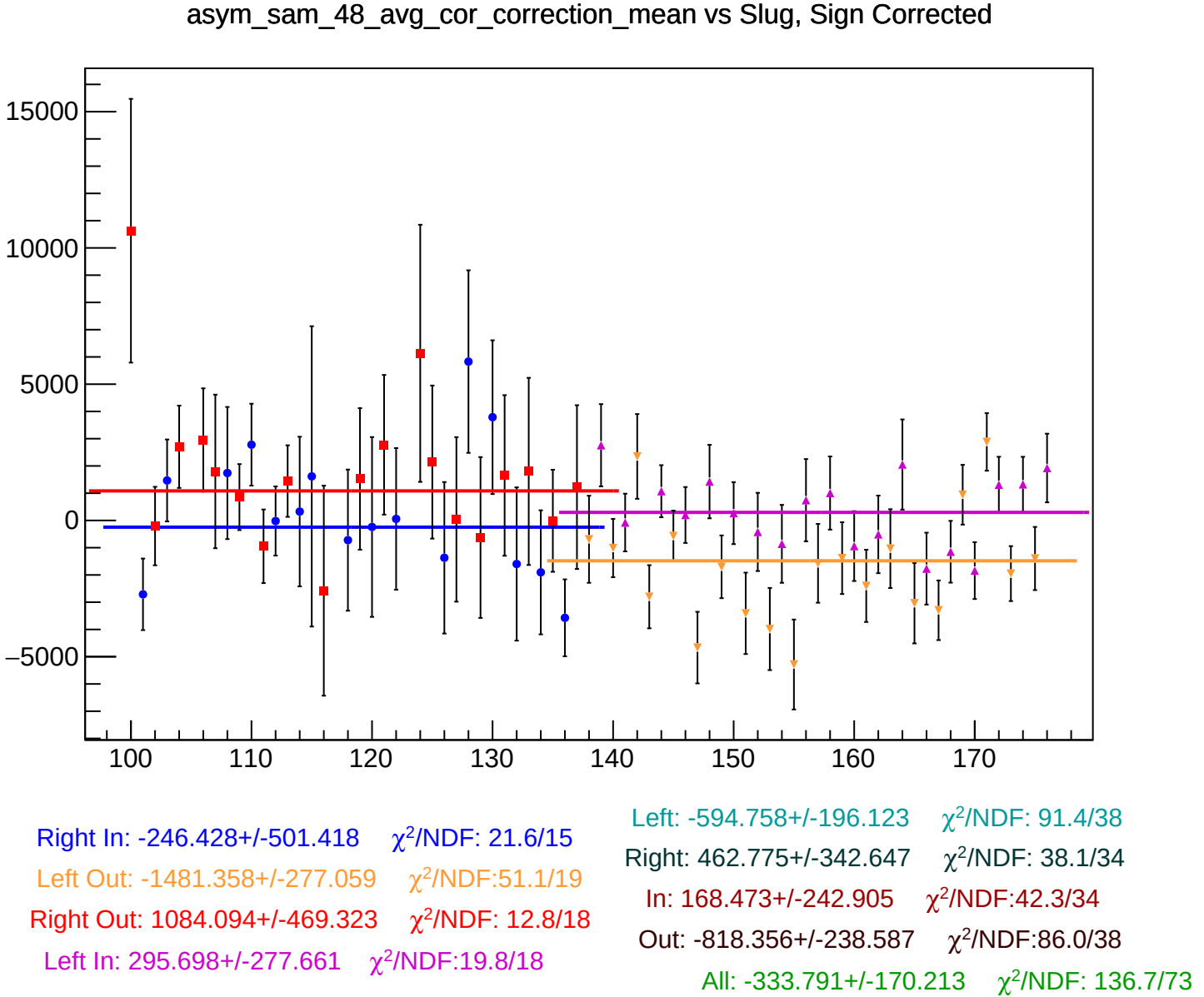
Left: 139.585+/-0.018 χ^2/NDF: 637965.0/38

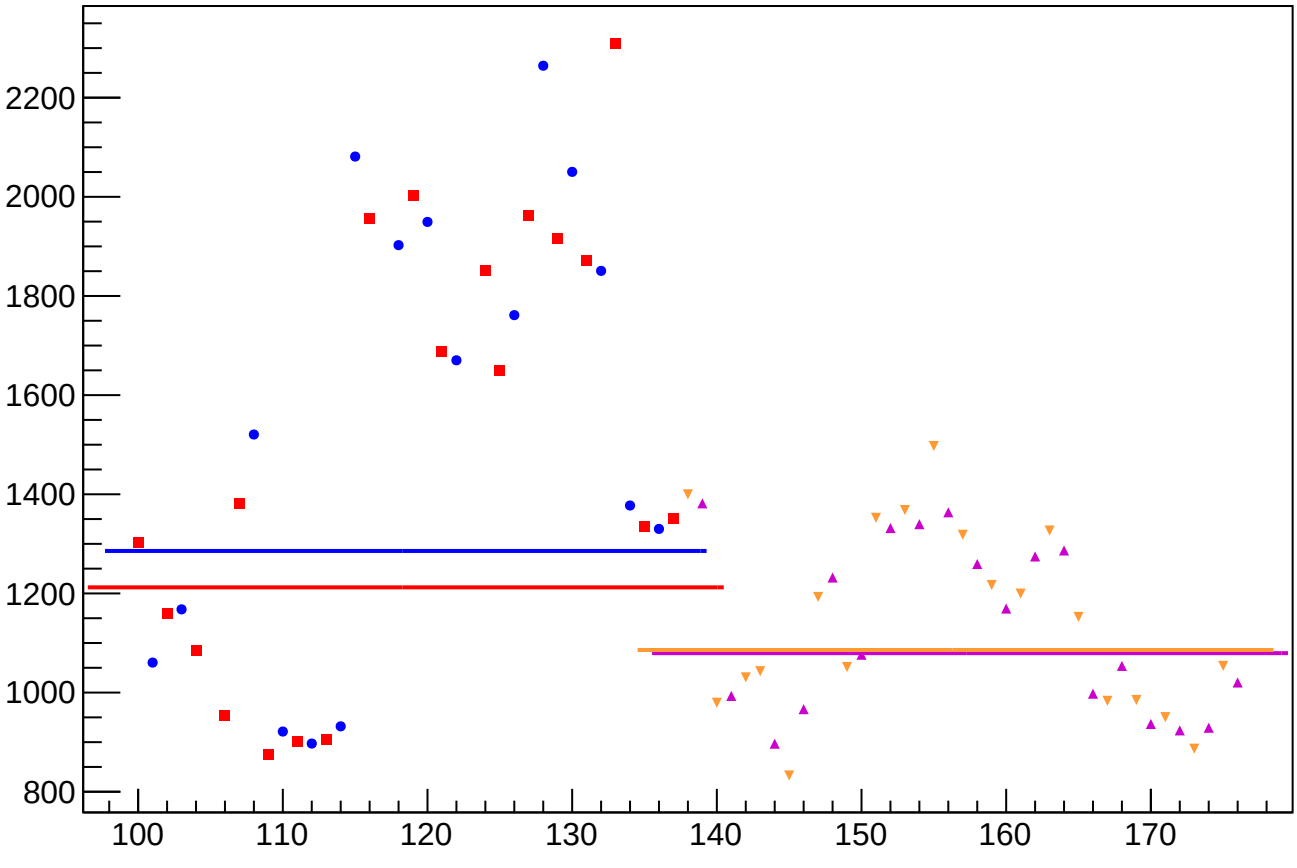
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.031+/-0.021 χ^2/NDF:713869.7/34

Out: 137.345+/-0.020 χ^2/NDF:875138.3/38

All: 137.683+/-0.015 χ^2/NDF: 1589565.3/73


asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -246.428+/-501.418 χ²/NDF: 21.6/15
Left Out: -1481.358+/-277.059 χ²/NDF:51.1/19
Right Out: 1084.094+/-469.323 χ²/NDF: 12.8/18
Left In: 295.698+/-277.661 χ²/NDF:19.8/18
Left: -594.758+/-196.123 χ²/NDF: 91.4/38
Right: 462.775+/-342.647 χ²/NDF: 38.1/34
In: 168.473+/-242.905 χ²/NDF:42.3/34
Out: -818.356+/-238.587 χ²/NDF:86.0/38
All: -333.791+/-170.213 χ²/NDF: 136.7/73



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

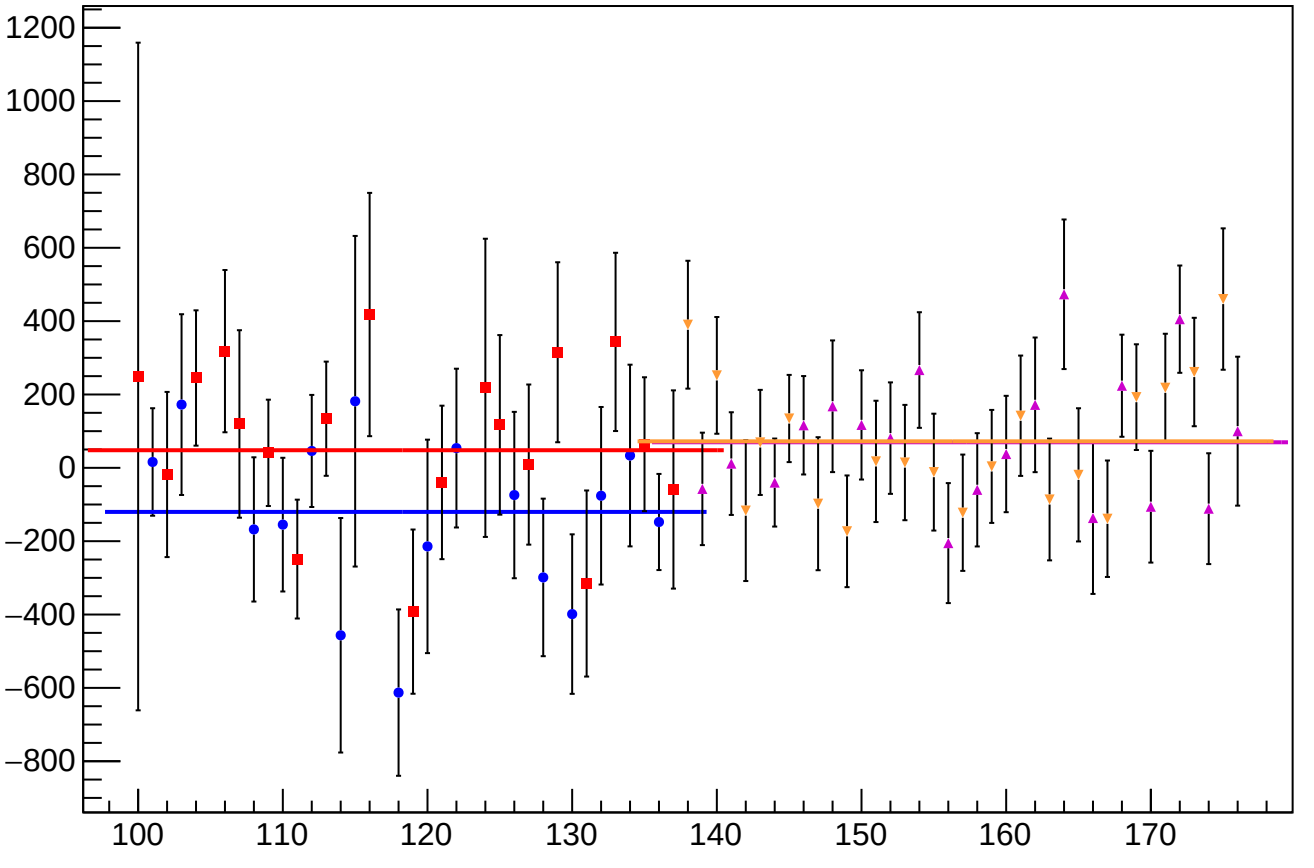
Left: 1082.741+/-0.139 χ^2/NDF: 1488456.5/38

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1127.923+/-0.172 χ^2/NDF:2100320.4/34

Out: 1118.575+/-0.169 χ^2/NDF:2324844.7/38

All: 1123.165+/-0.120 χ^2/NDF: 4426672.4/73



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 72.256+/-35.330 χ^2/NDF:22.0/19

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 69.682+/-35.720 χ^2/NDF:21.9/18

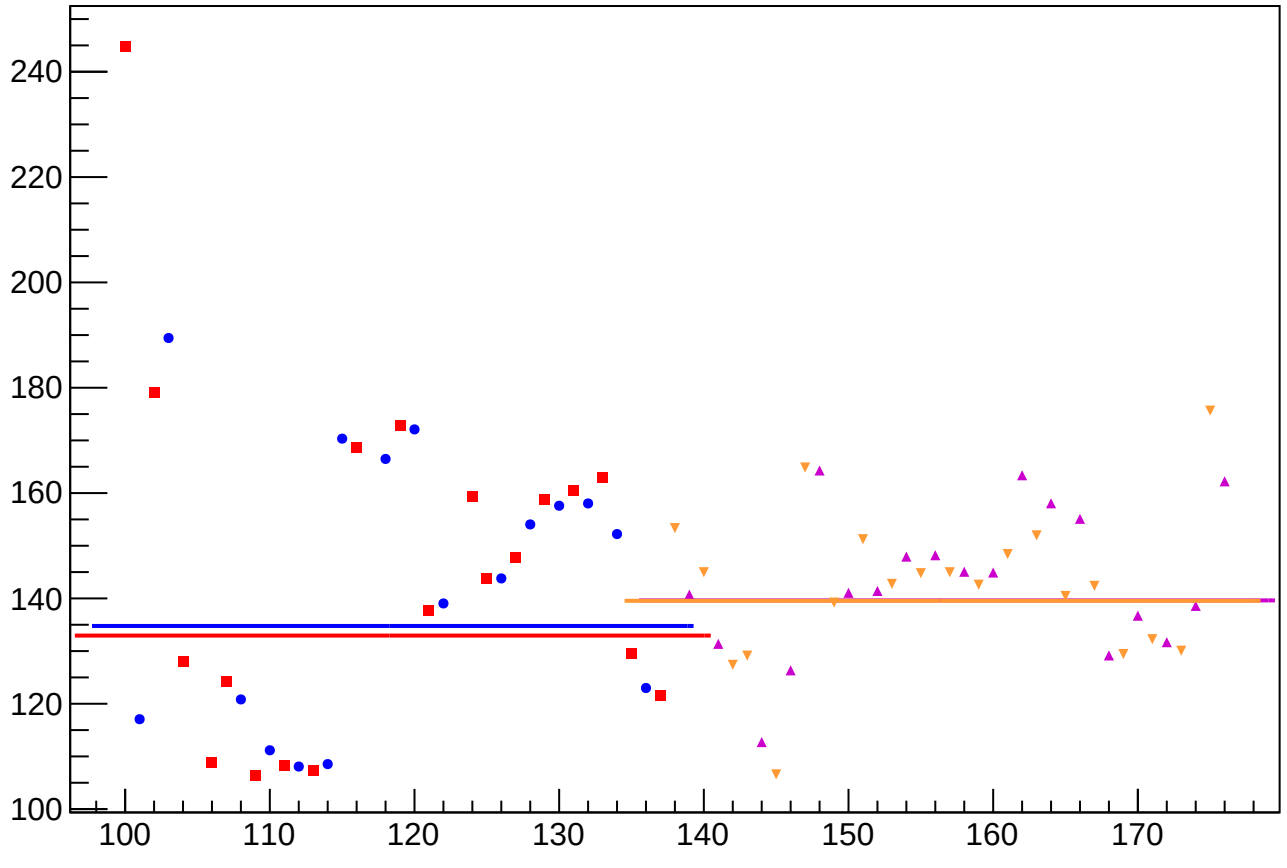
Left: 70.983+/-25.119 χ^2/NDF: 43.9/38

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 7.369+/-29.277 χ^2/NDF:44.5/34

Out: 64.165+/-28.838 χ^2/NDF:39.1/38

All: 36.196+/-20.545 χ^2/NDF: 85.6/73



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.548+/-0.025 χ^2/NDF:352986.7/19

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

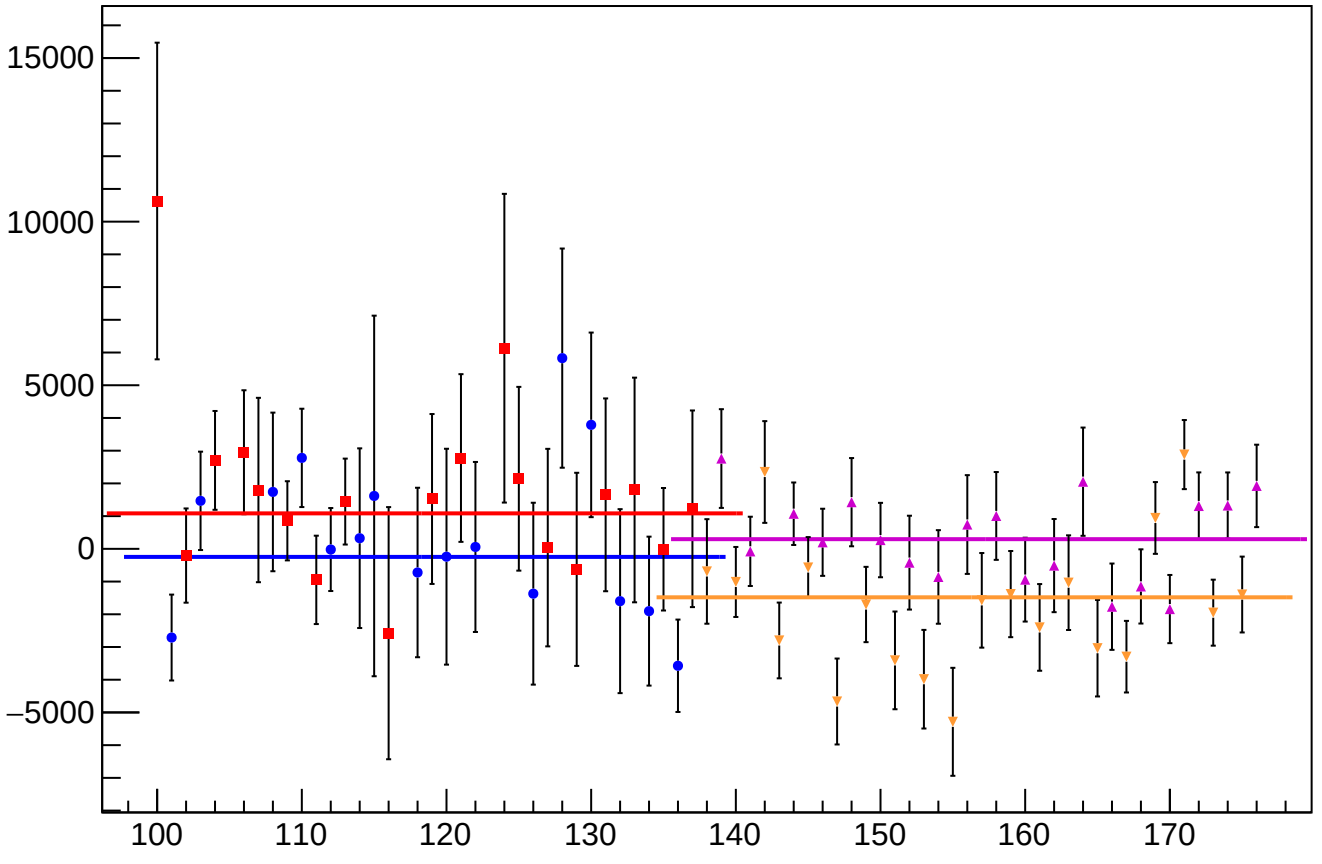
Left: 139.585+/-0.018 χ^2/NDF: 637965.0/38

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.031+/-0.021 χ^2/NDF:713869.7/34

Out: 137.345+/-0.020 χ^2/NDF:875138.3/38

All: 137.683+/-0.015 χ^2/NDF: 1589565.3/73



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1481.358+/-277.059 χ^2/NDF:51.1/19

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 295.698+/-277.661 χ^2/NDF:19.8/18

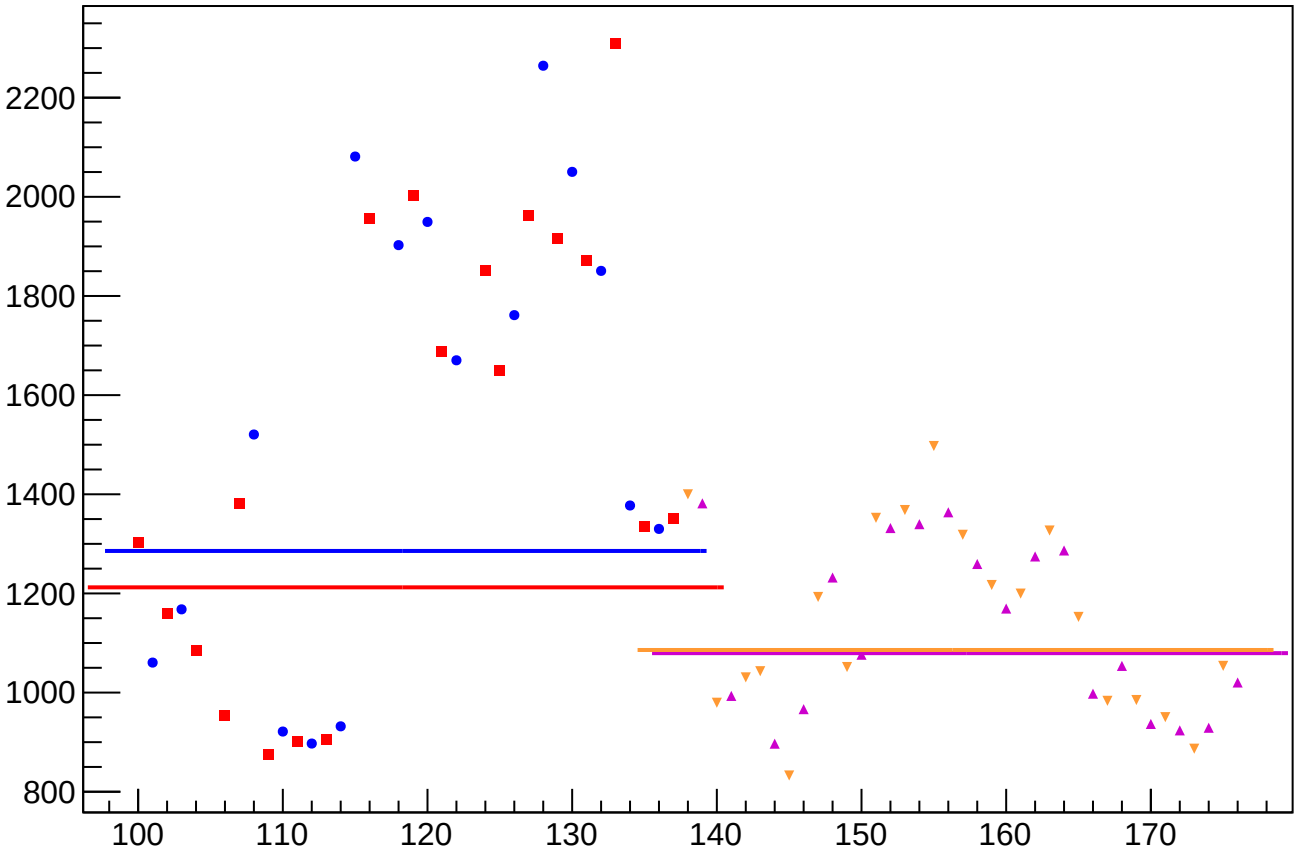
Left: -594.758+/-196.123 χ^2/NDF: 91.4/38

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.473+/-242.905 χ^2/NDF:42.3/34

Out: -818.356+/-238.587 χ^2/NDF:86.0/38

All: -333.791+/-170.213 χ^2/NDF: 136.7/73



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1085.921+/-0.196 χ^2/NDF:816707.2/19

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

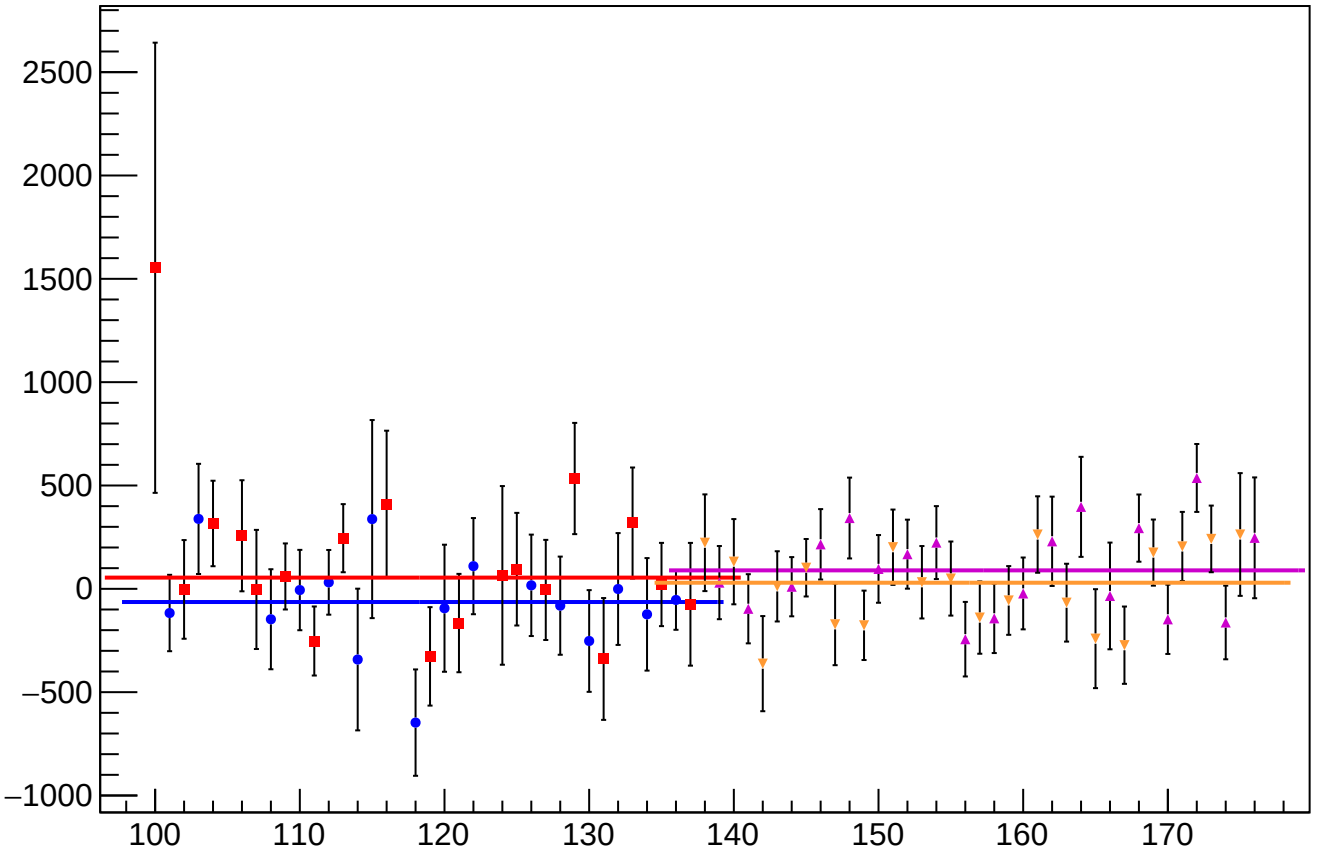
Left: 1082.741+/-0.139 χ^2/NDF: 1488456.5/38

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1127.923+/-0.172 χ^2/NDF:2100320.4/34

Out: 1118.575+/-0.169 χ^2/NDF:2324844.7/38

All: 1123.165+/-0.120 χ^2/NDF: 4426672.4/73



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.540+/-40.864 χ^2/NDF:18.8/19

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.351+/-41.219 χ^2/NDF:25.9/18

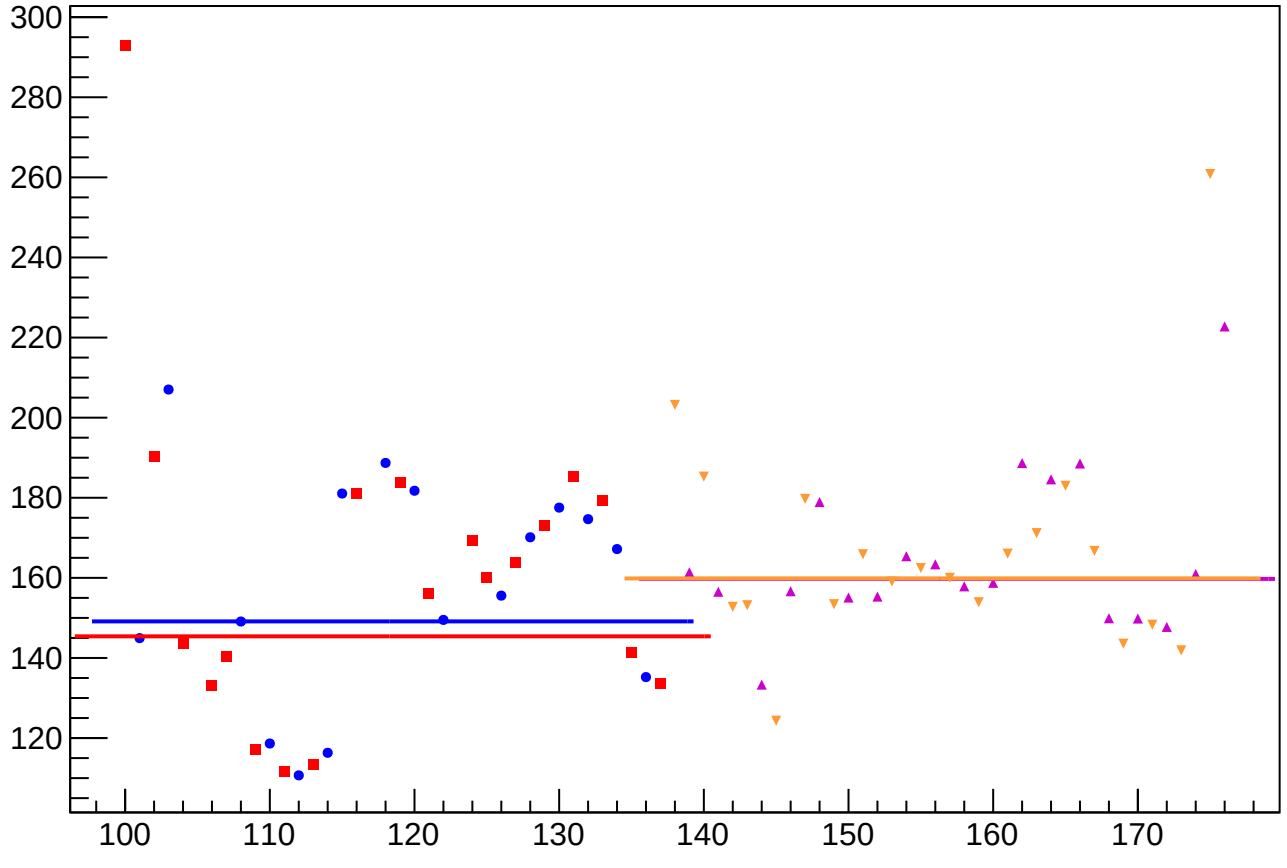
Left: 59.186+/-29.020 χ^2/NDF: 45.8/38

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 36.445+/-33.347 χ^2/NDF:41.5/34

Out: 38.402+/-32.746 χ^2/NDF:38.4/38

All: 37.441+/-23.365 χ^2/NDF: 79.9/73



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.854+/-0.029 χ^2/NDF:580031.8/19

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.739+/-0.029 χ^2/NDF:294798.6/18

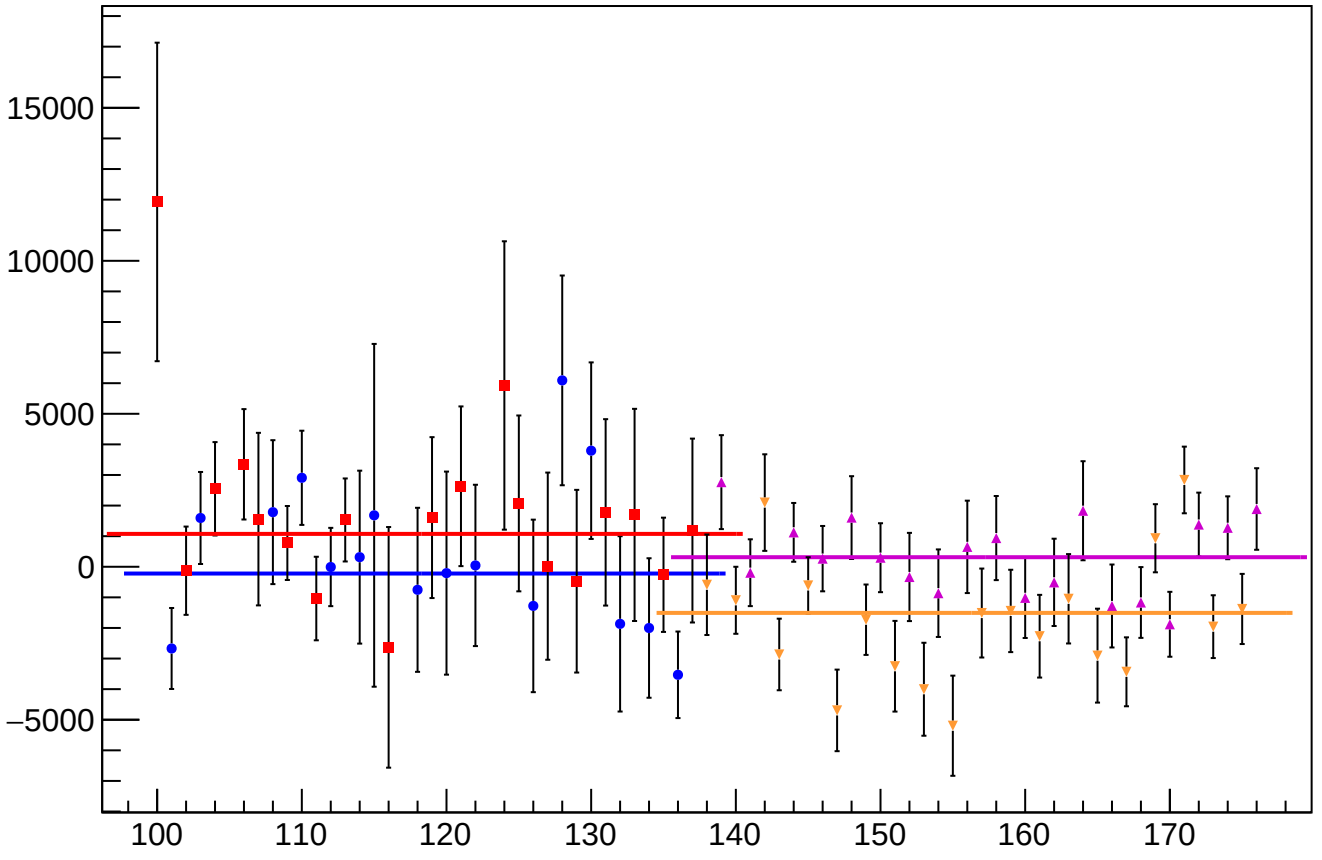
Left: 159.797+/-0.021 χ^2/NDF: 874838.2/38

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 156.074+/-0.024 χ^2/NDF:791570.1/34

Out: 154.682+/-0.023 χ^2/NDF:1195399.9/38

All: 155.365+/-0.017 χ^2/NDF: 1988743.9/73



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1507.575+/-280.549 χ^2/NDF:48.0/19

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 312.638+/-282.214 χ^2/NDF:18.4/18

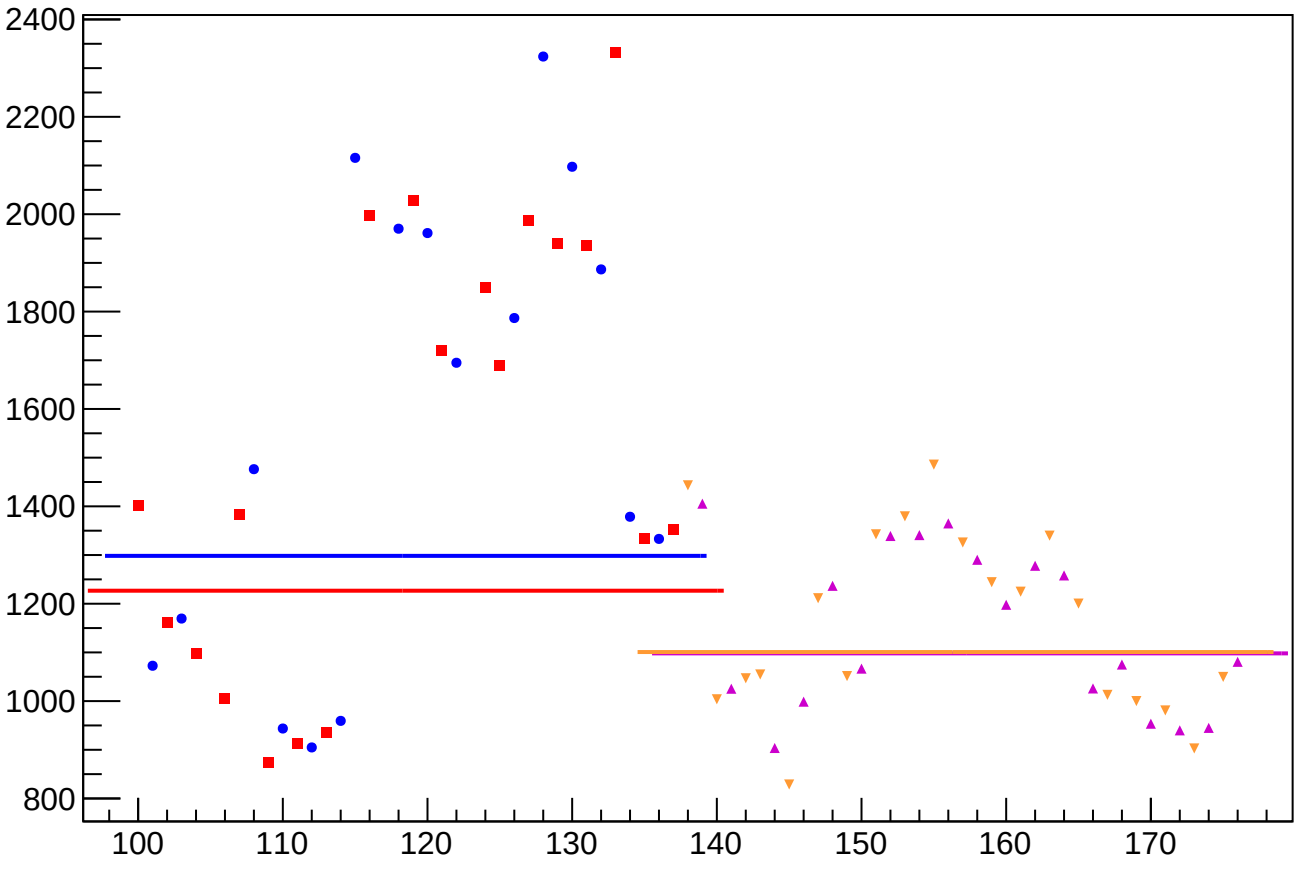
Left: -602.854+/-198.964 χ^2/NDF: 87.3/38

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 186.045+/-246.494 χ^2/NDF:41.1/34

Out: -835.234+/-241.273 χ^2/NDF:83.6/38

All: -335.526+/-172.422 χ^2/NDF: 133.5/73



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1100.774+/-0.198 χ^2/NDF:811119.9/19

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1098.019+/-0.200 χ^2/NDF:622836.0/18

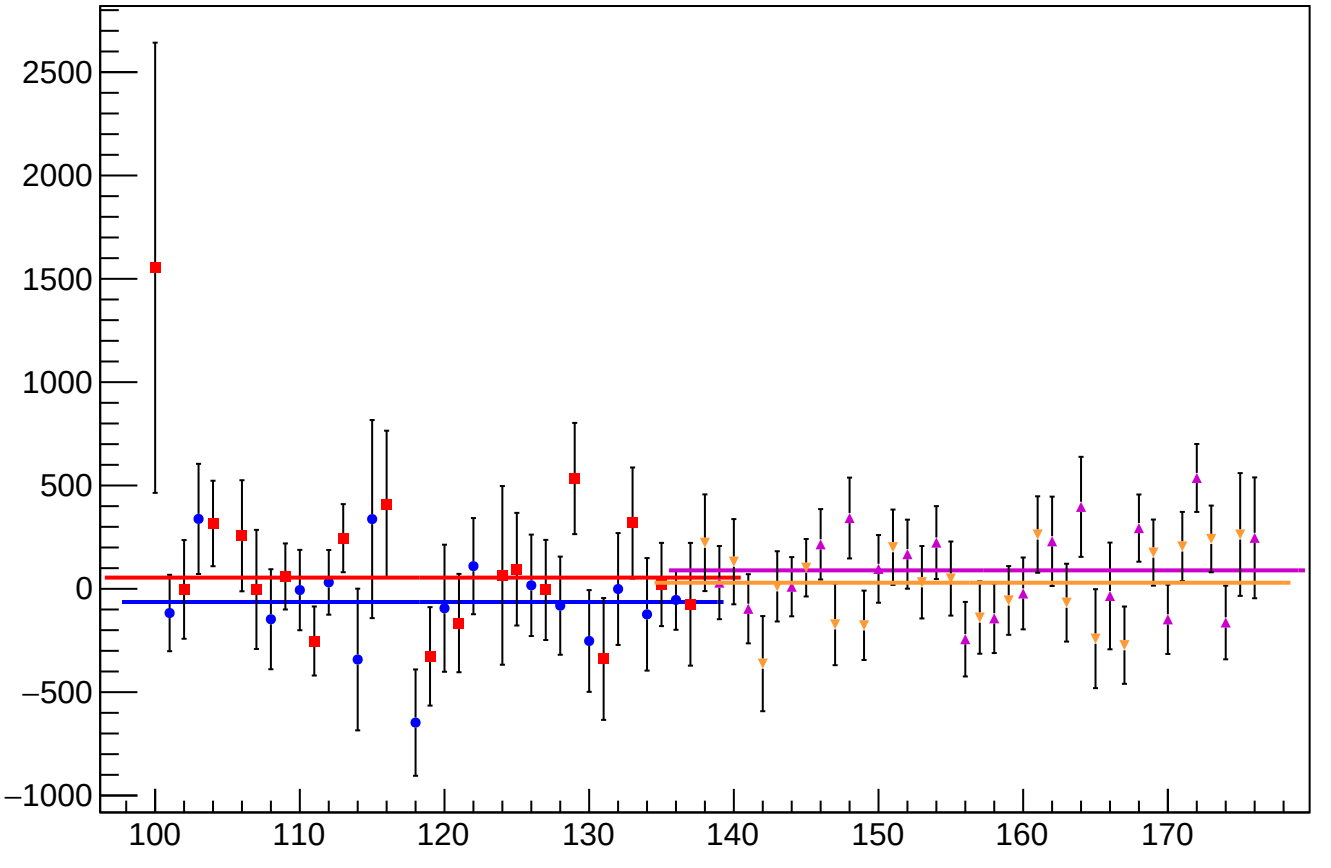
Left: 1099.405+/-0.141 χ^2/NDF: 1434051.7/38

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1145.508+/-0.174 χ^2/NDF:2043788.0/34

Out: 1133.572+/-0.171 χ^2/NDF:2320613.9/38

All: 1139.412+/-0.122 χ^2/NDF: 4366797.1/73



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 29.543+/-40.864 χ^2/NDF:18.8/19

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.350+/-41.219 χ^2/NDF:25.9/18

Left: 59.187+/-29.020 χ^2/NDF: 45.8/38

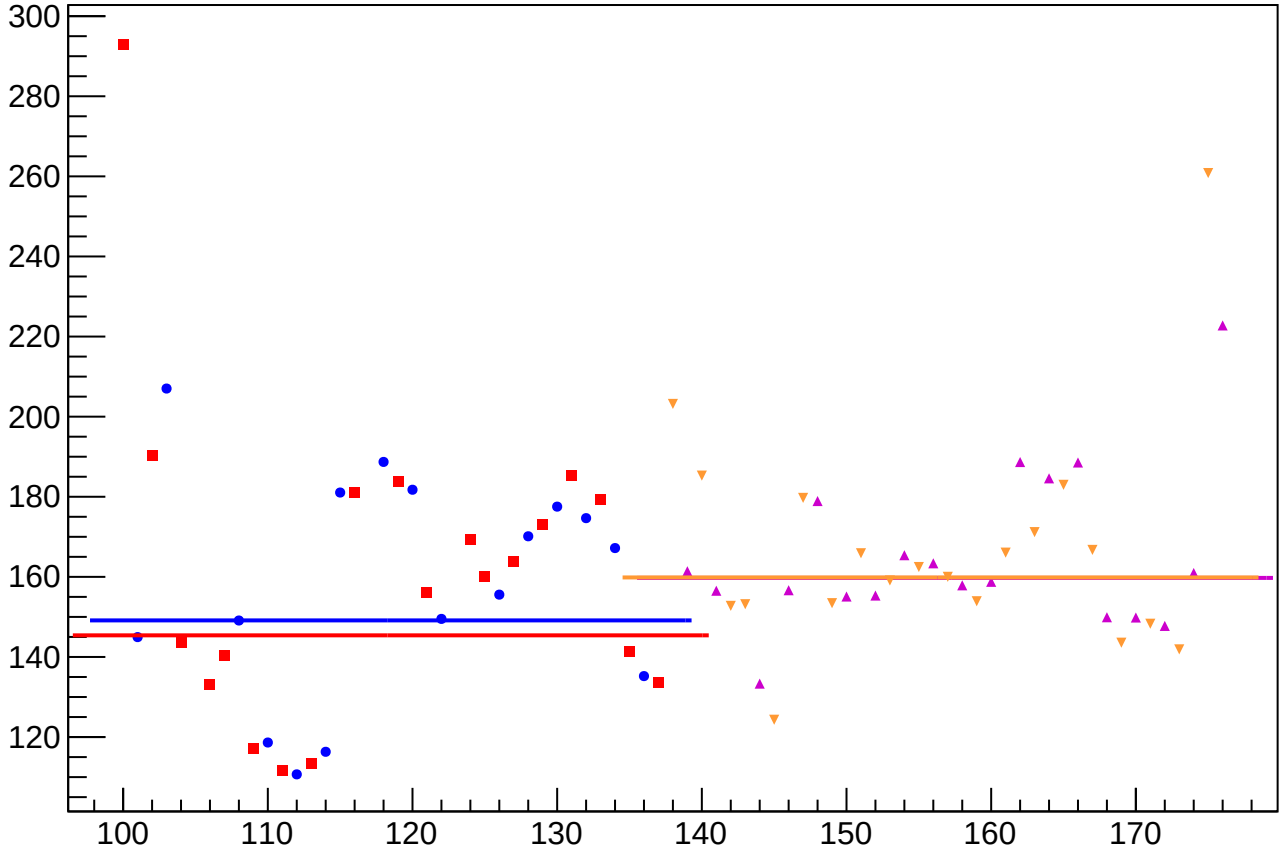
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 36.446+/-33.347 χ^2/NDF:41.5/34

Out: 38.403+/-32.746 χ^2/NDF:38.4/38

All: 37.442+/-23.365 χ^2/NDF: 79.9/73

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.854+/-0.029 χ^2/NDF:580026.5/19

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.739+/-0.029 χ^2/NDF:294792.6/18

Left: 159.797+/-0.021 χ^2/NDF: 874827.0/38

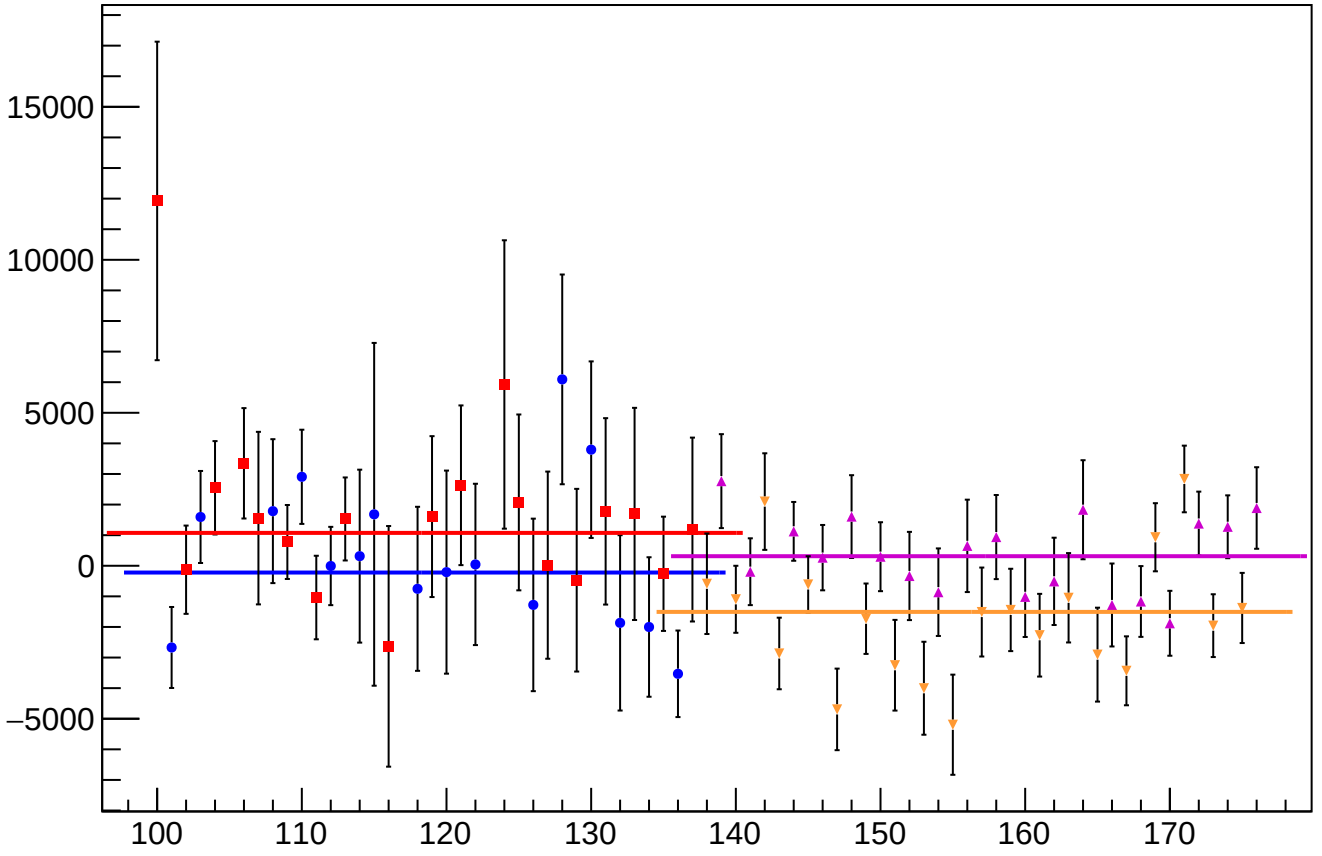
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 156.074+/-0.024 χ^2/NDF:791567.8/34

Out: 154.682+/-0.023 χ^2/NDF:1195401.5/38

All: 155.365+/-0.017 χ^2/NDF: 1988743.1/73

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: -1507.572+/-280.548 χ^2/NDF:48.0/19

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 312.636+/-282.214 χ^2/NDF:18.4/18

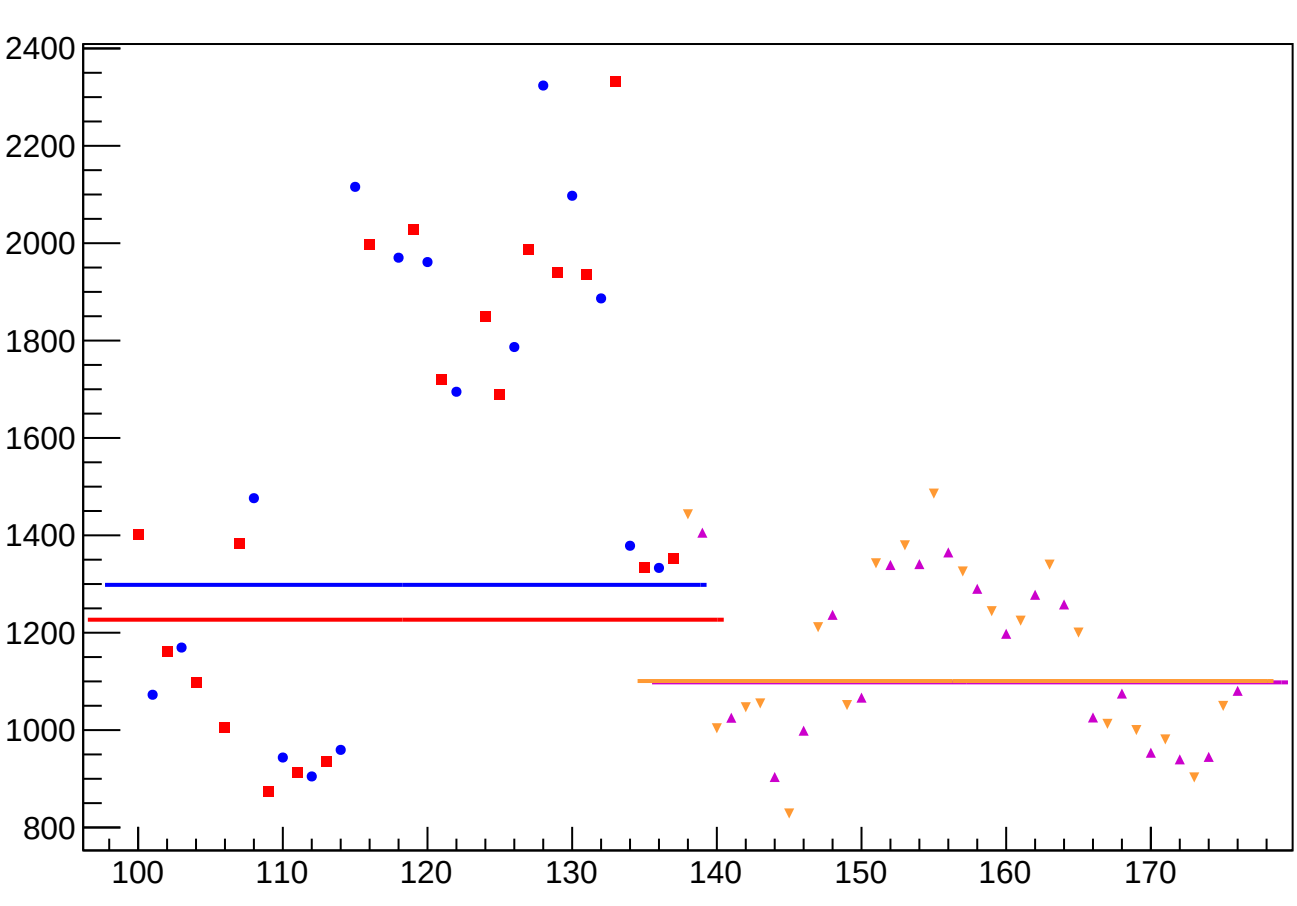
Left: -602.854+/-198.964 χ^2/NDF: 87.3/38

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 186.044+/-246.494 χ^2/NDF:41.1/34

Out: -835.232+/-241.273 χ^2/NDF:83.6/38

All: -335.526+/-172.422 χ^2/NDF: 133.5/73



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1100.772+/-0.198 χ^2/NDF:811123.9/19

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1098.018+/-0.200 χ^2/NDF:622837.3/18

Left: 1099.403+/-0.141 χ^2/NDF: 1434057.0/38

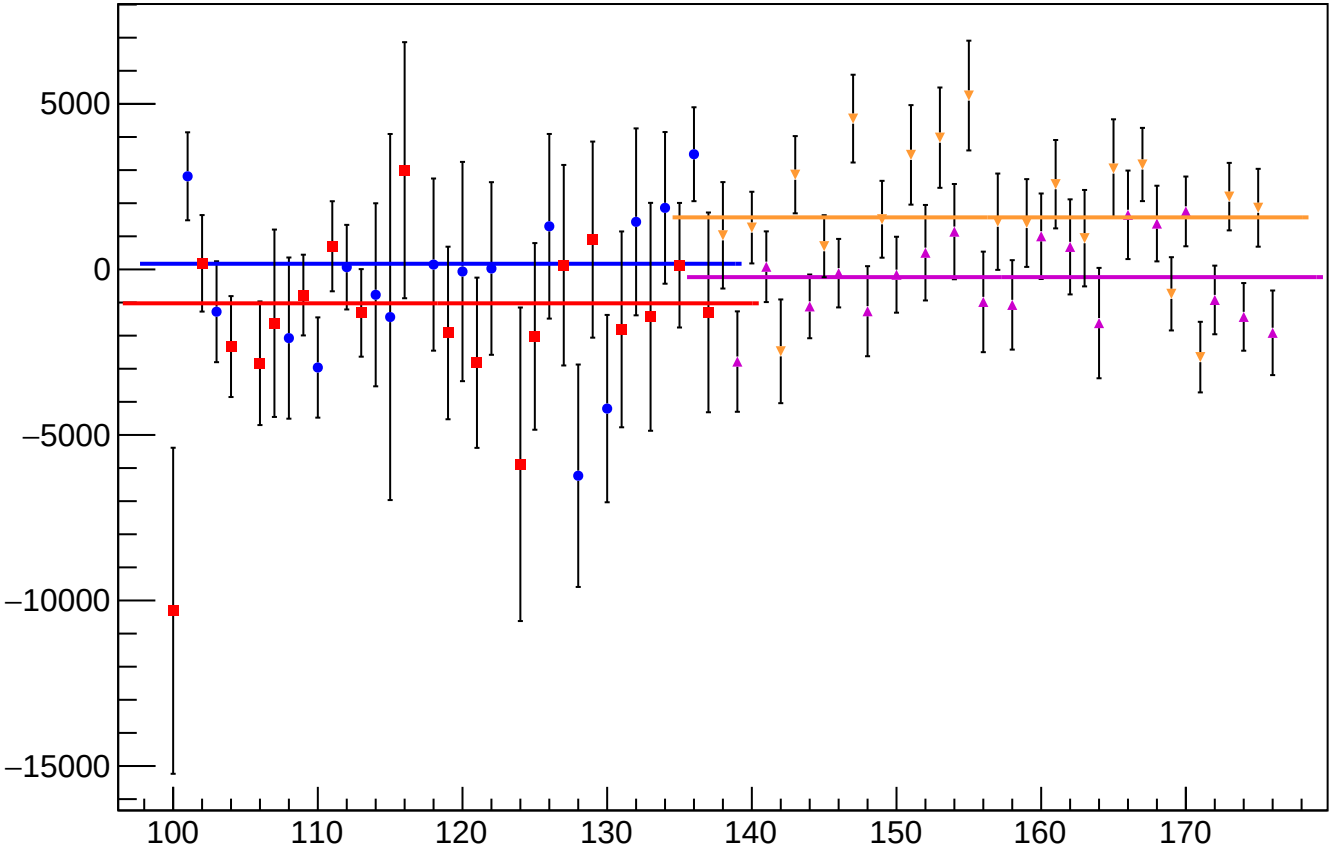
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1145.506+/-0.174 χ^2/NDF:2043795.0/34

Out: 1133.570+/-0.171 χ^2/NDF:2320621.7/38

All: 1139.410+/-0.122 χ^2/NDF: 4366811.9/73

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1572.503+/-279.508 χ^2/NDF:47.3/19

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -232.533+/-280.149 χ^2/NDF:19.3/18

Left: 672.053+/-197.868 χ^2/NDF: 87.4/38

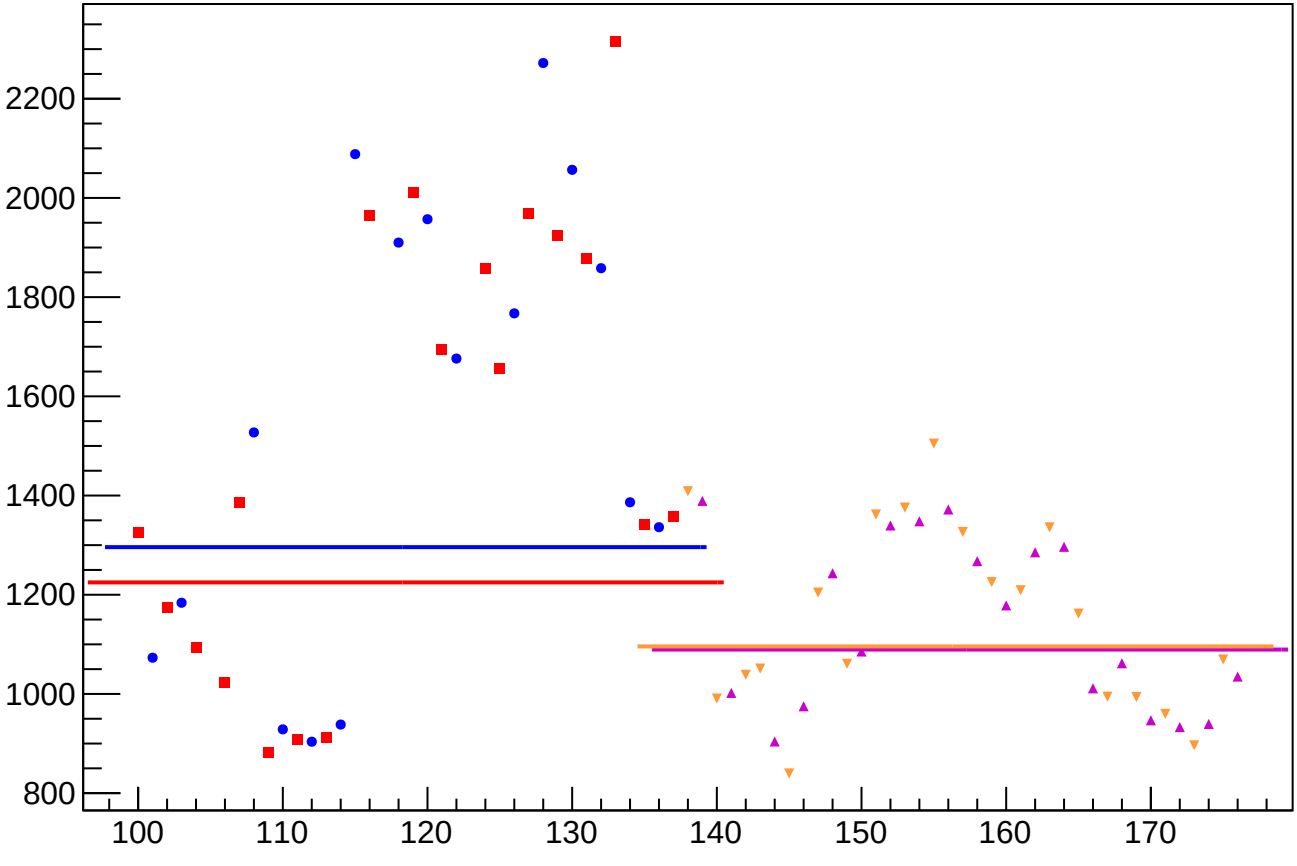
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -137.597+/-244.994 χ^2/NDF:42.3/34

Out: 898.470+/-240.503 χ^2/NDF:81.3/38

All: 390.019+/-171.627 χ^2/NDF: 132.7/73

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1095.818+/-0.198 χ^2/NDF:803369.3/19

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1089.477+/-0.198 χ^2/NDF:658872.7/18

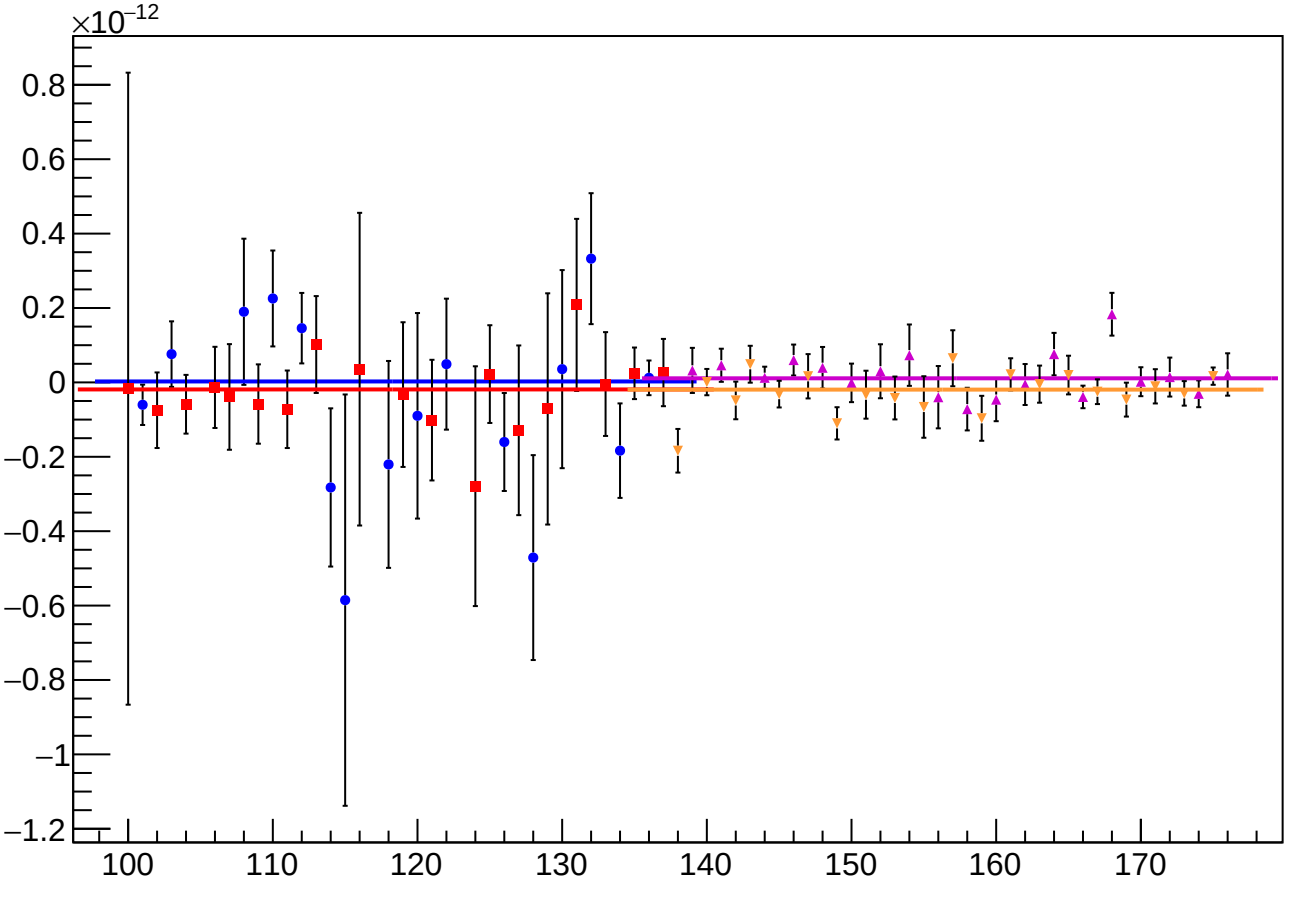
Left: 1092.654+/-0.140 χ^2/NDF: 1462755.5/38

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1138.054+/-0.173 χ^2/NDF:2068697.7/34

Out: 1129.323+/-0.170 χ^2/NDF:2285349.6/38

All: 1133.608+/-0.121 χ^2/NDF: 4355341.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/18

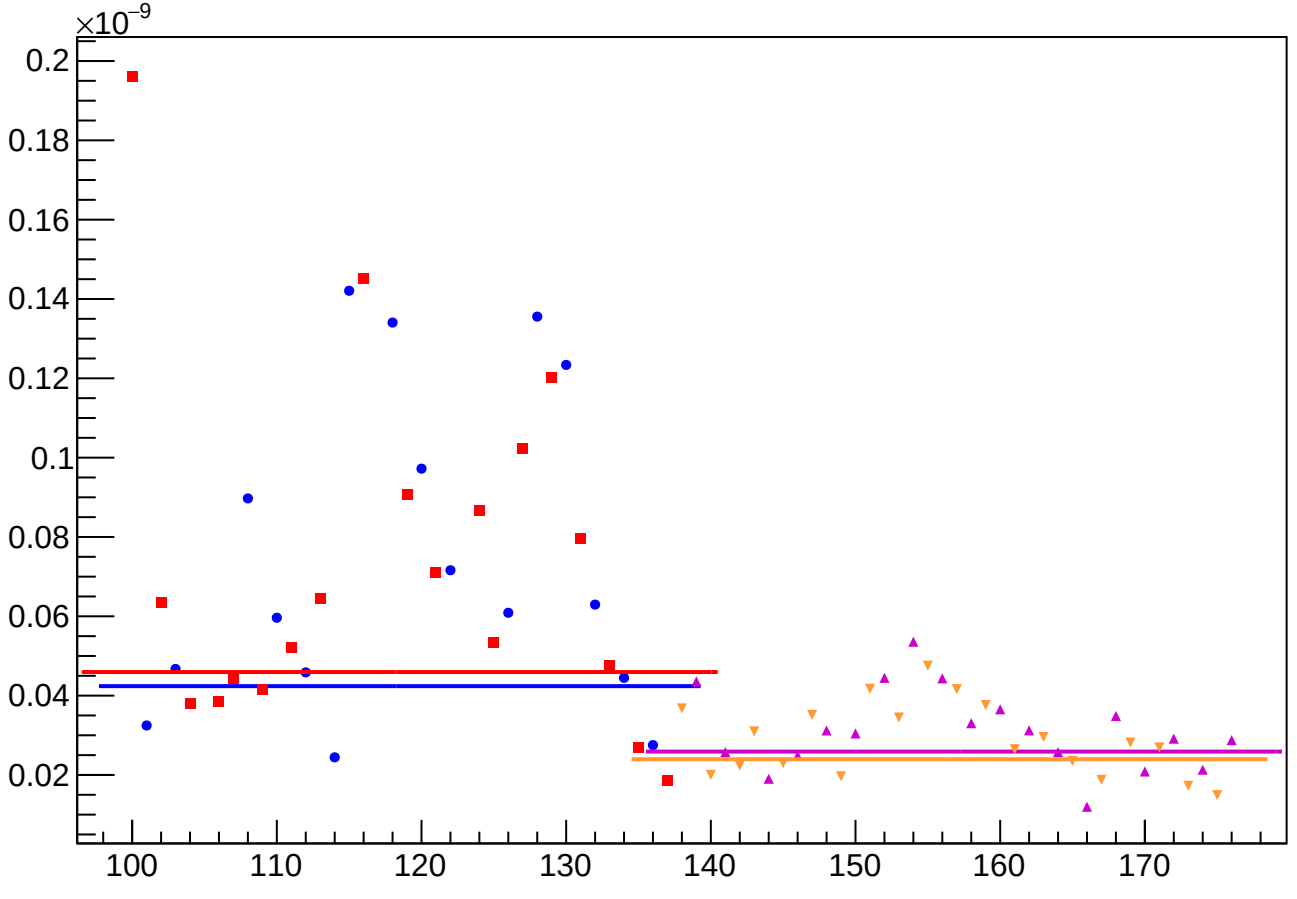
Left: -0.000+/-0.000 χ^2/NDF: 48.5/38

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.3/34

Out: -0.000+/-0.000 χ^2/NDF:27.9/38

All: -0.000+/-0.000 χ^2/NDF: 75.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340105.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1429944.9/18

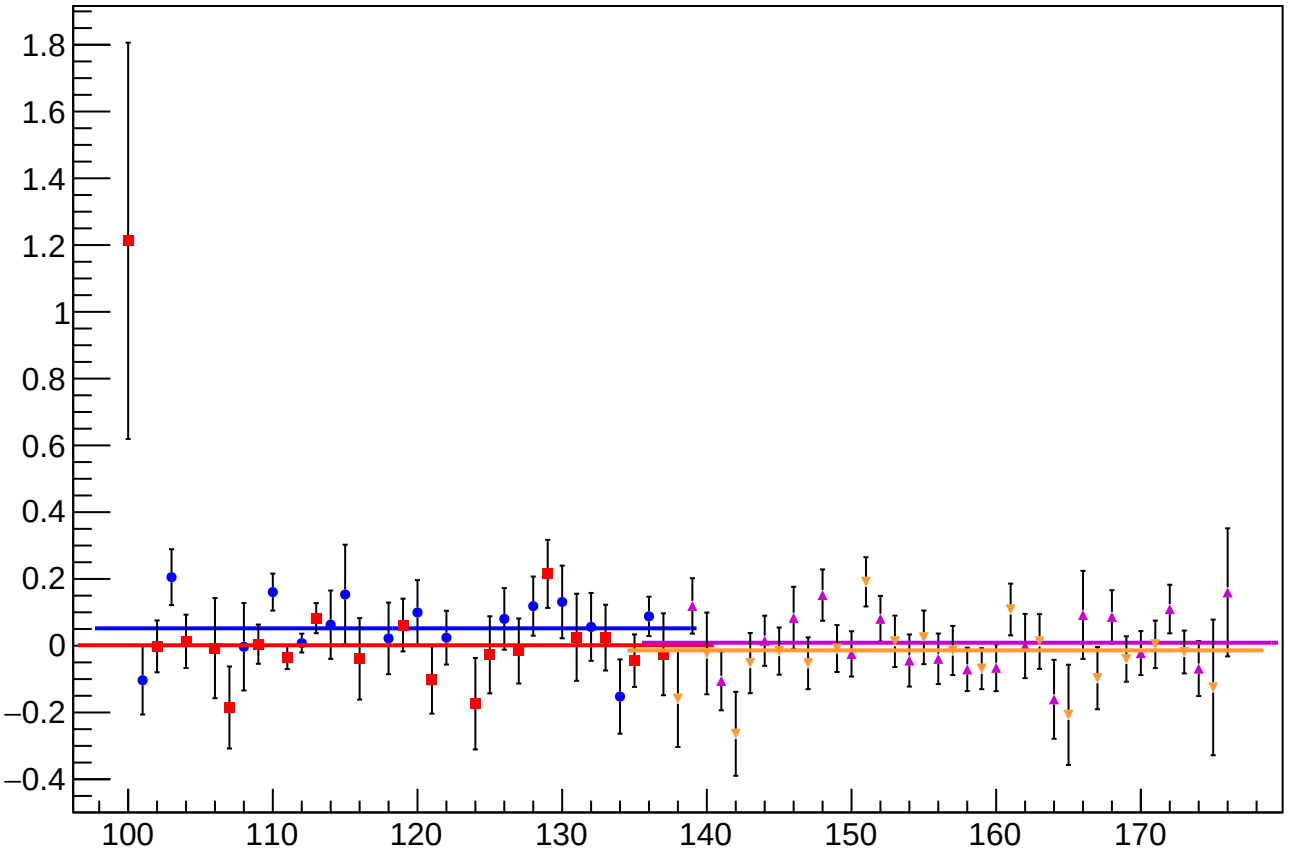
Left: 0.000+/-0.000 χ^2/NDF: 2805128.3/38

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3420235.7/34

Out: 0.000+/-0.000 χ^2/NDF:3500269.8/38

All: 0.000+/-0.000 χ^2/NDF: 6964820.8/73



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.1/38

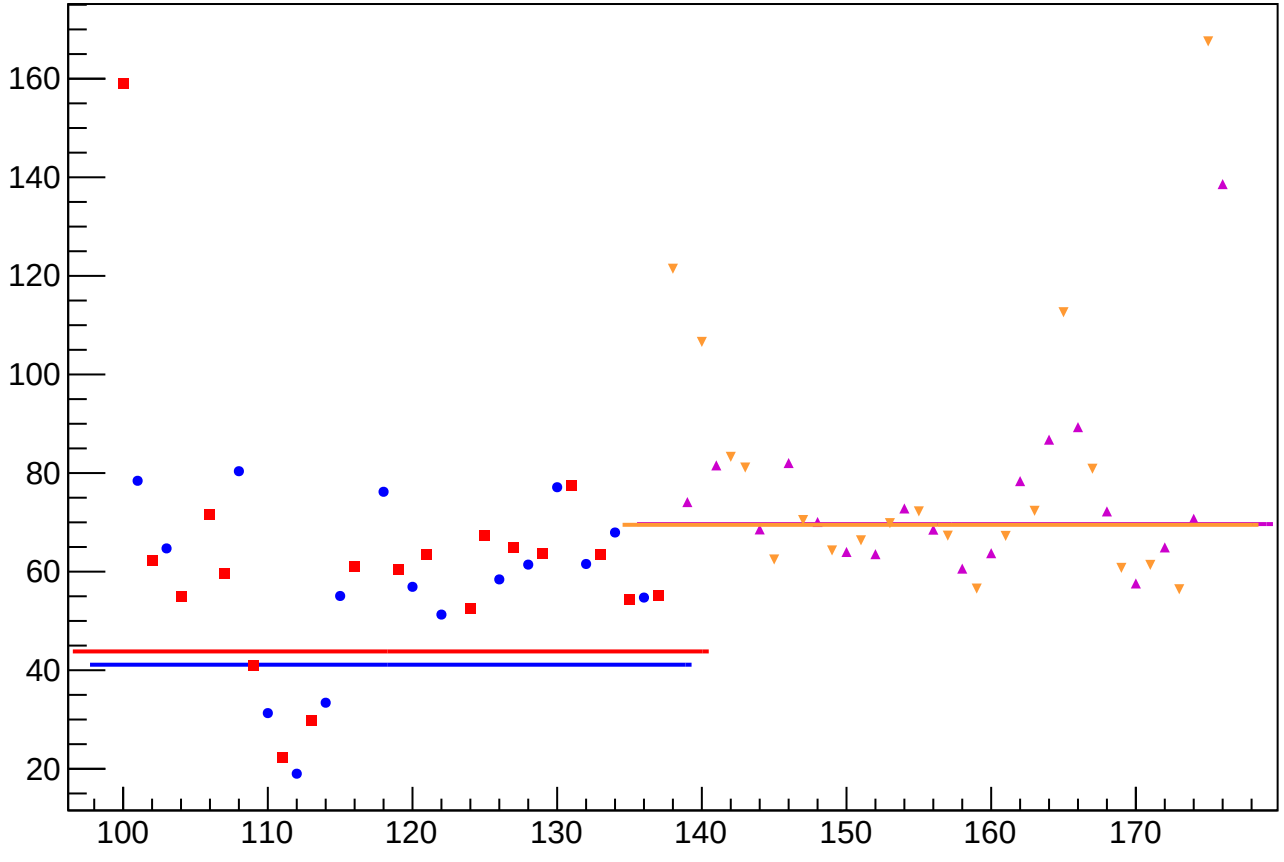
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.013+/-0.009 χ^2/NDF: 84.0/73

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

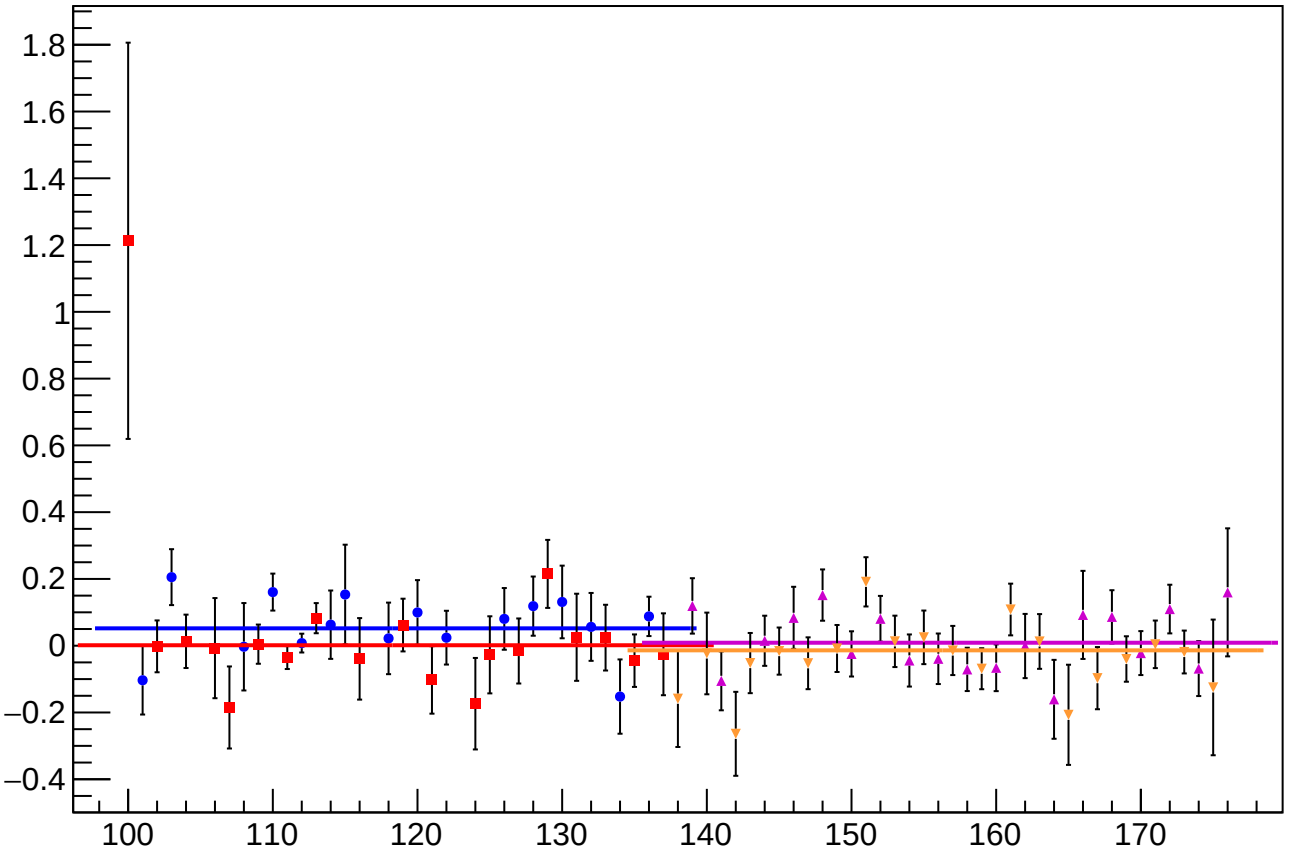
Left: 69.576+/-0.009 χ^2/NDF: 2038158.0/38

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.846+/-0.009 χ^2/NDF:6009151.5/34

Out: 56.386+/-0.009 χ^2/NDF:5492195.6/38

All: 55.615+/-0.006 χ^2/NDF: 11515798.8/73



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.1/38

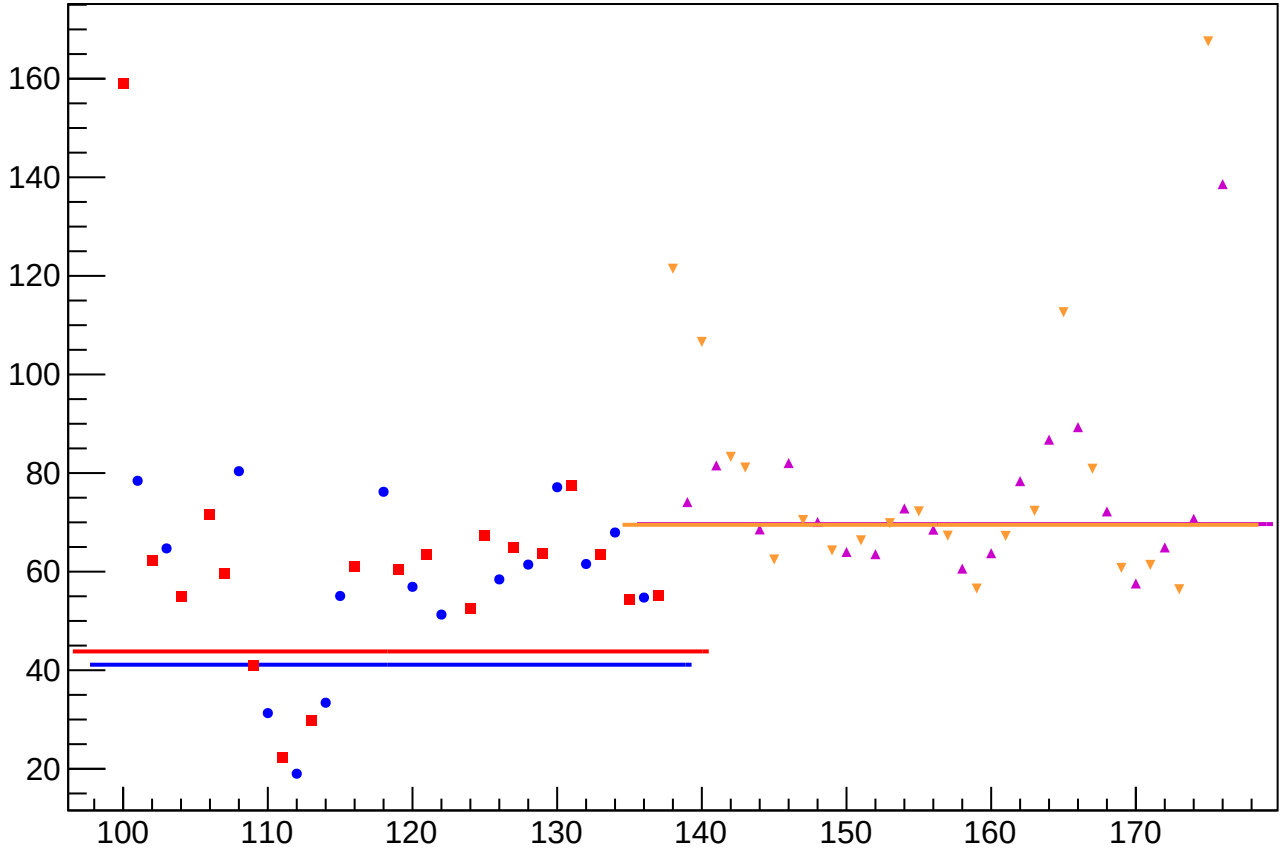
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.013+/-0.009 χ^2/NDF: 84.0/73

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433869.9/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

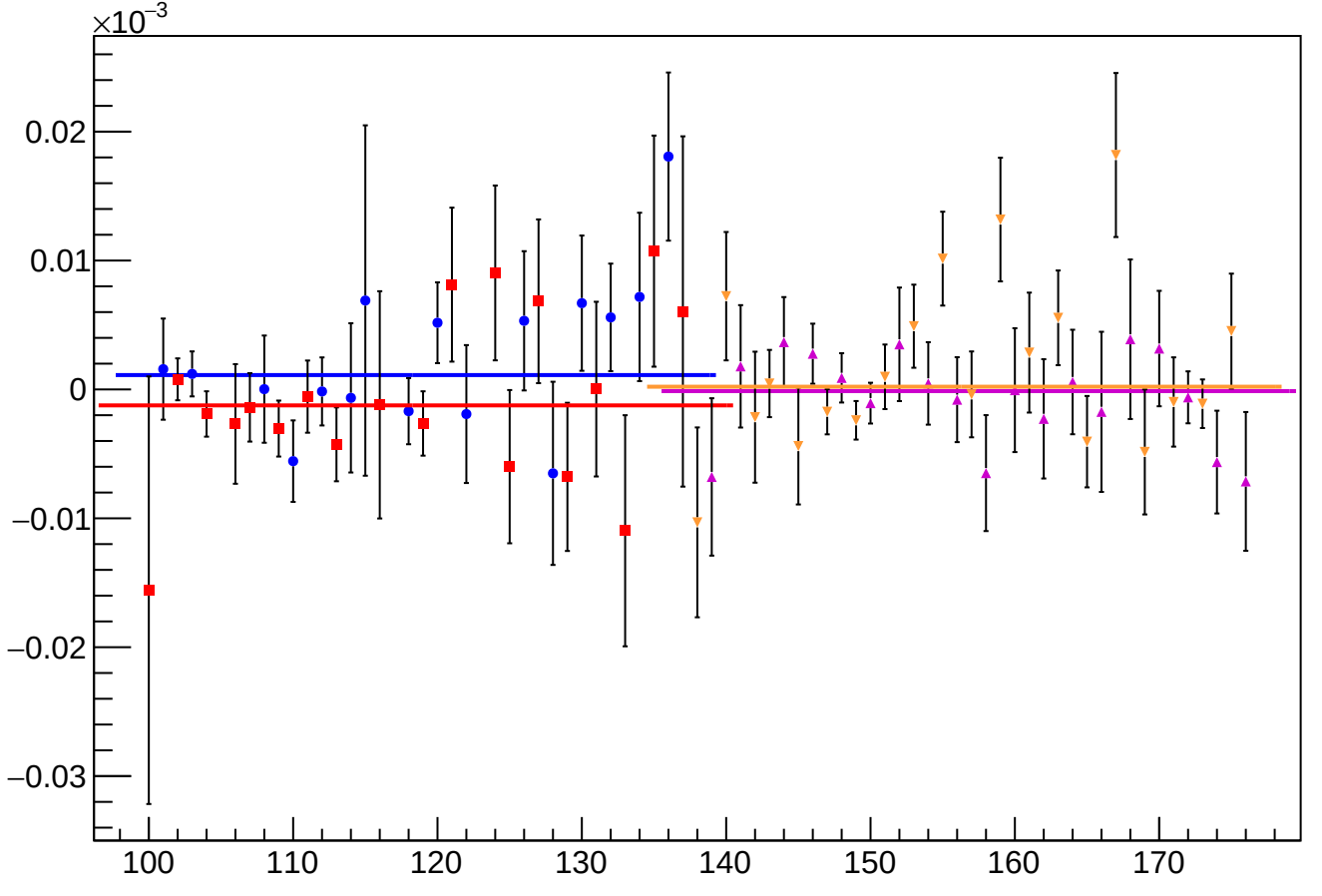
Left: 69.576+/-0.009 χ^2/NDF: 2038158.0/38

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.846+/-0.009 χ^2/NDF:6009151.5/34

Out: 56.386+/-0.009 χ^2/NDF:5492195.6/38

All: 55.615+/-0.006 χ^2/NDF: 11515798.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/18

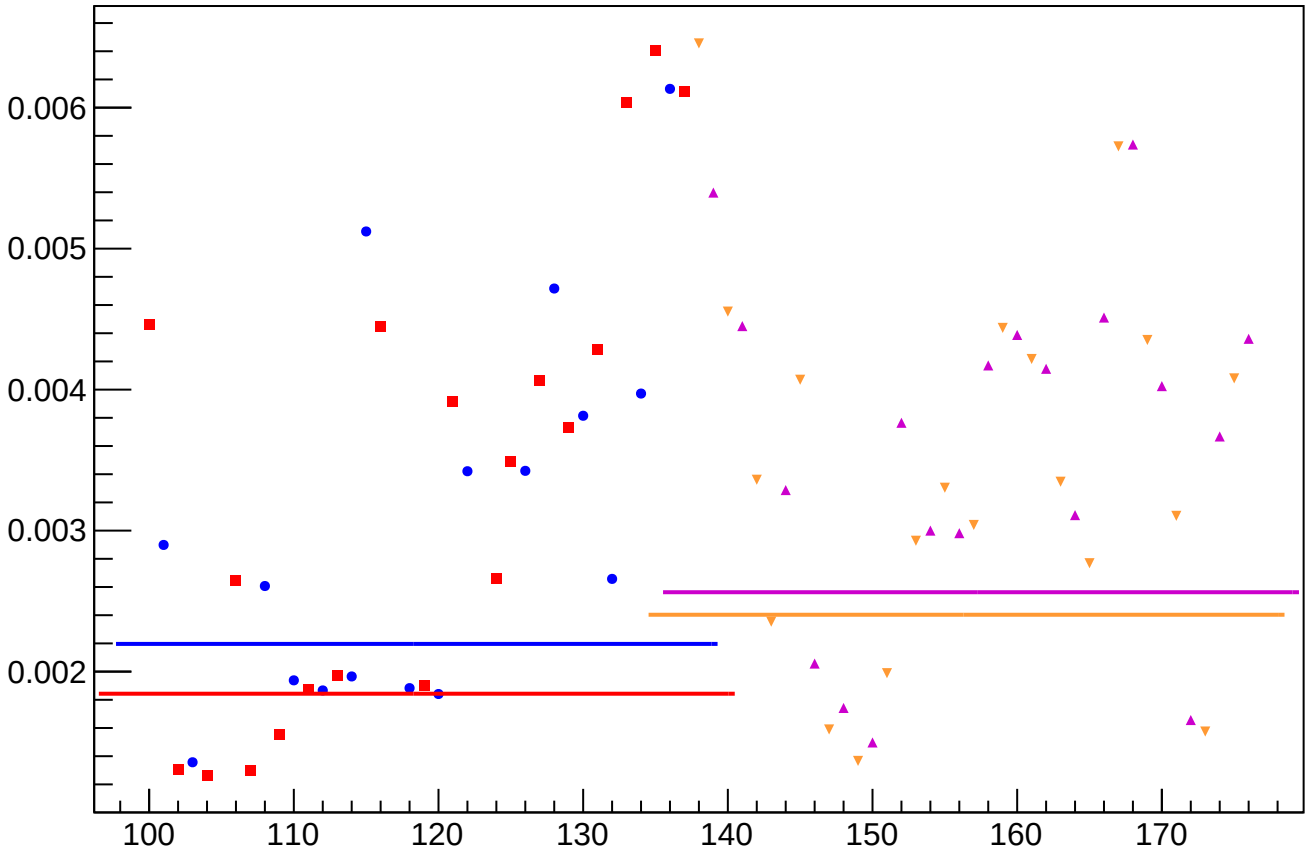
Left: 0.000+/-0.000 χ^2/NDF: 53.6/38

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:33.5/34

Out: -0.000+/-0.000 χ^2/NDF:59.0/38

All: -0.000+/-0.000 χ^2/NDF: 93.5/73



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5452004.7/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4953822.1/18

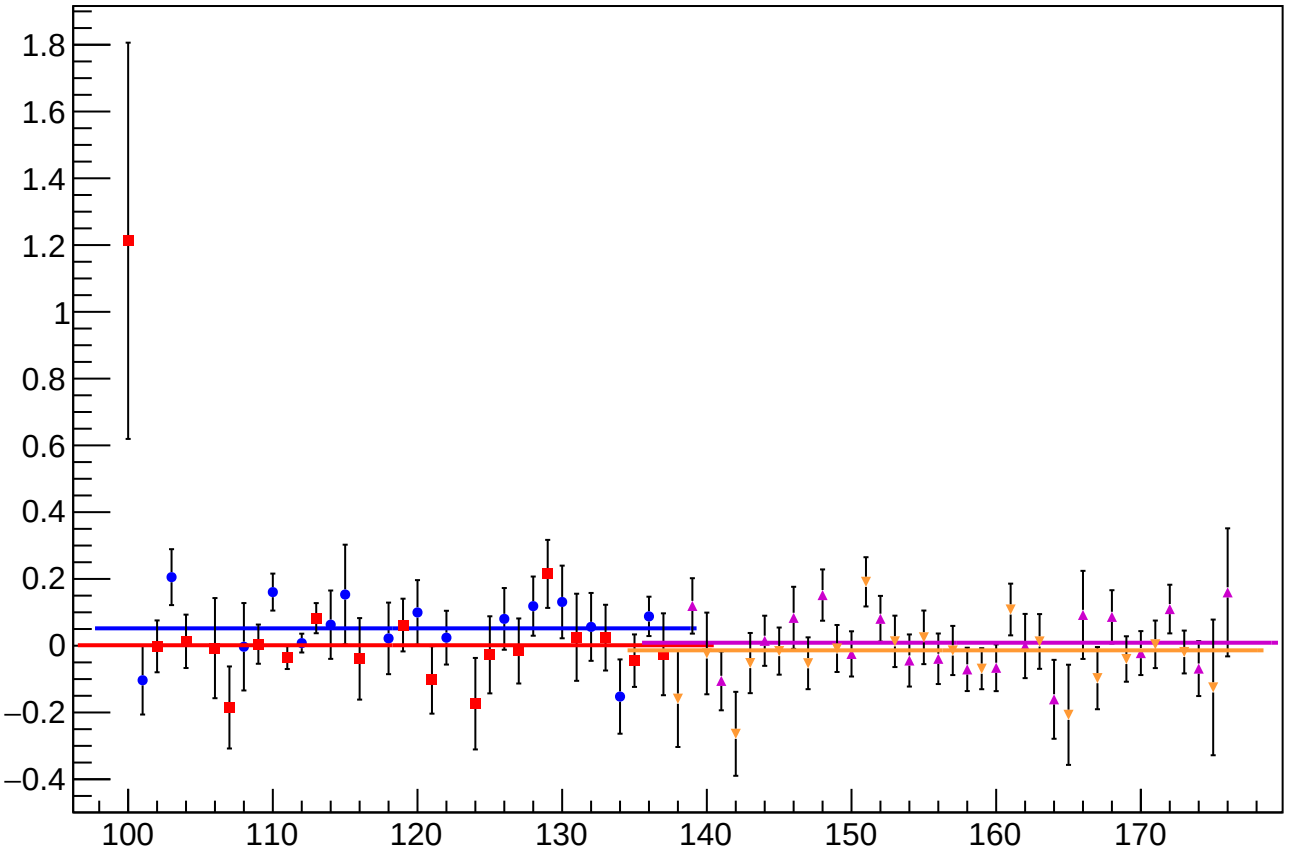
Left: 0.002+/-0.000 χ^2/NDF: 10457970.3/38

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:7445621.6/34

Out: 0.002+/-0.000 χ^2/NDF:9195449.0/38

All: 0.002+/-0.000 χ^2/NDF: 16877878.6/73



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.1/38

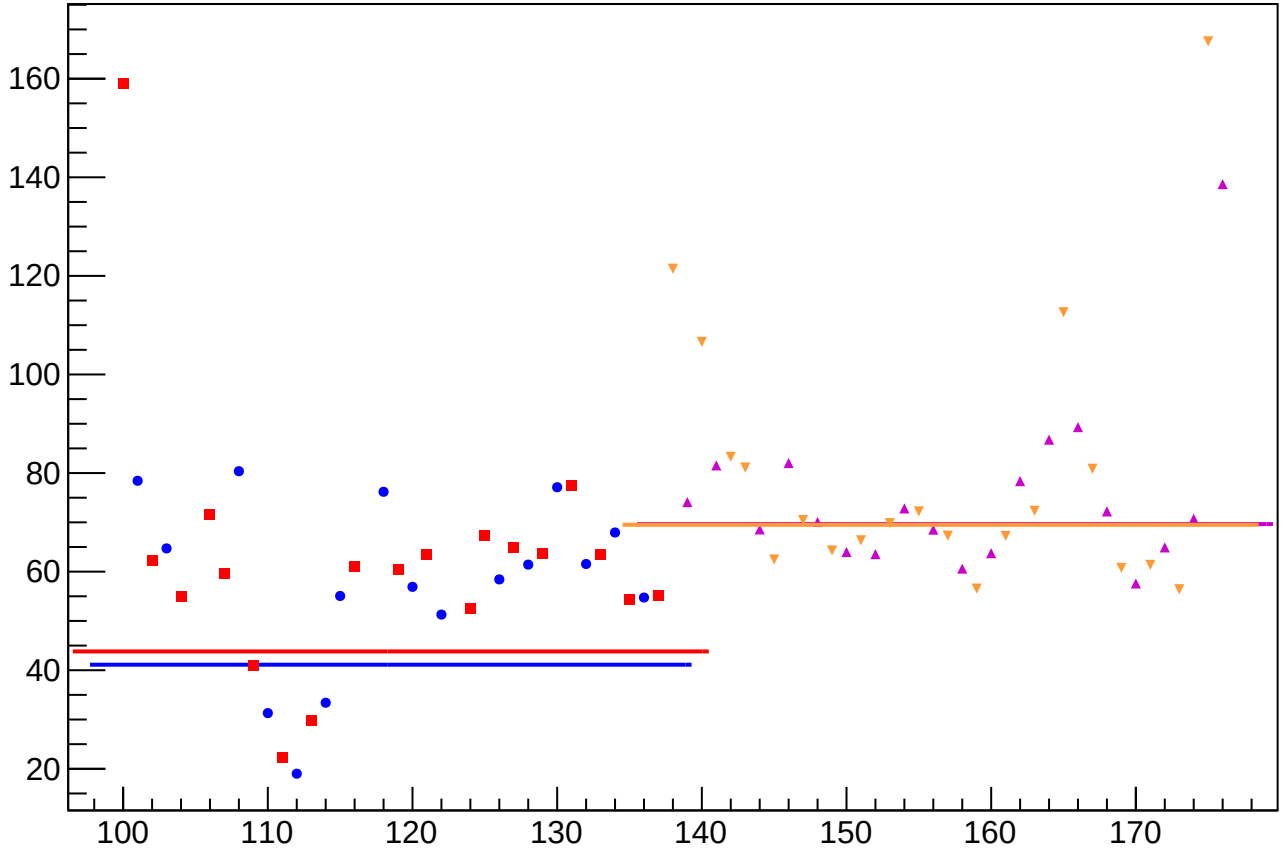
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.013+/-0.009 χ^2/NDF: 84.0/73

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: 69.504+/-0.013 χ^2/NDF:1433845.5/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

Left: 69.577+/-0.009 χ^2/NDF: 2038111.5/38

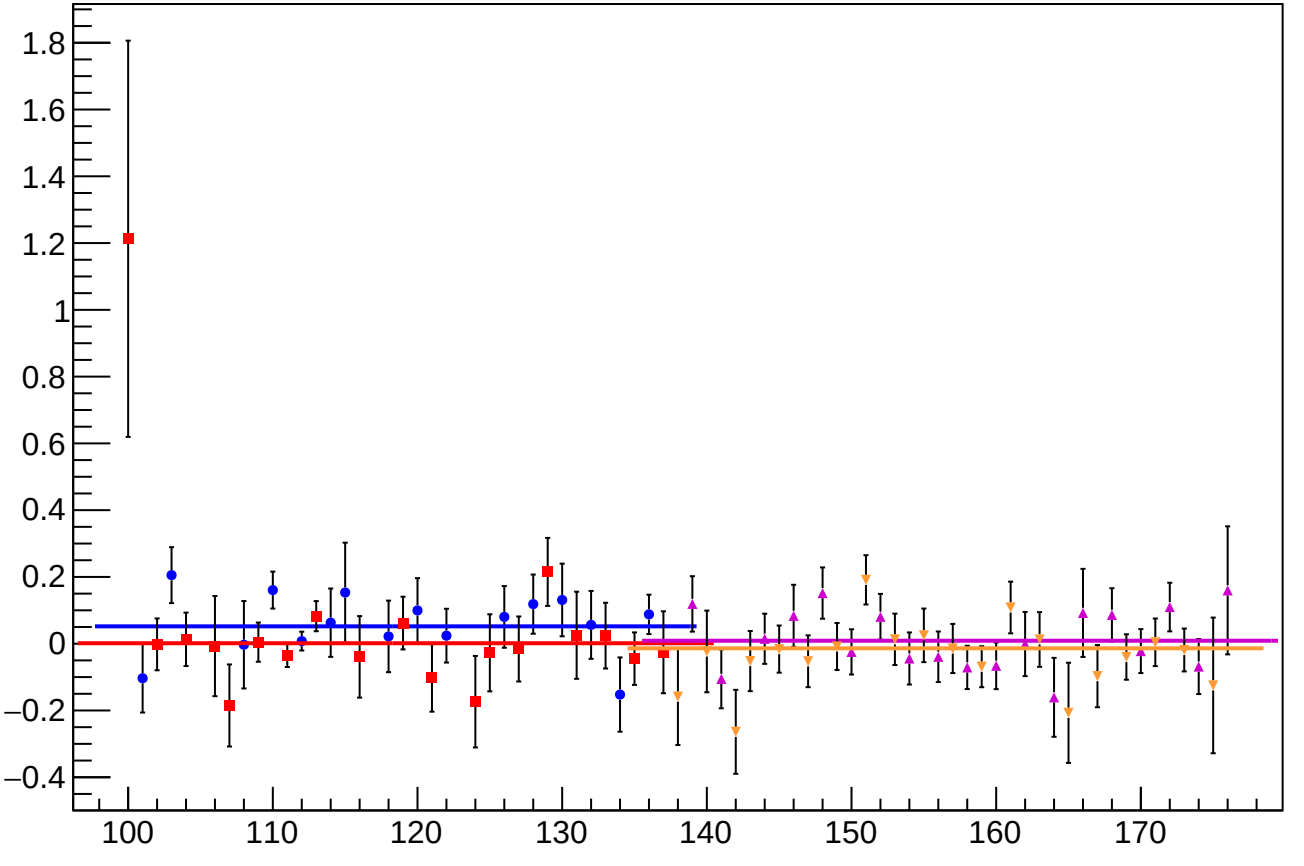
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.846+/-0.009 χ^2/NDF:6009567.5/34

Out: 56.385+/-0.009 χ^2/NDF:5492594.3/38

All: 55.615+/-0.006 χ^2/NDF: 11516615.3/73

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: -0.014+/-0.018 χ^2/NDF:19.9/19

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.1/38

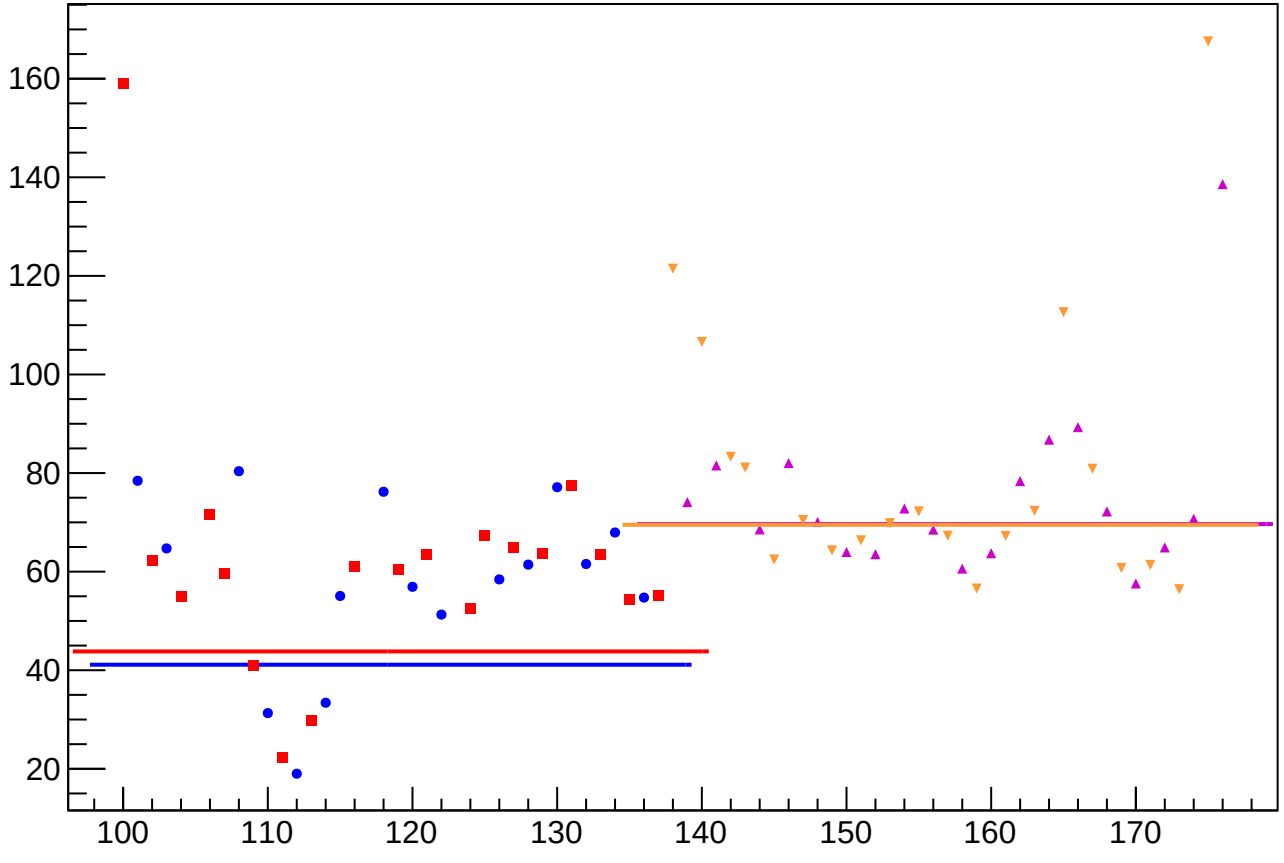
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.006+/-0.013 χ^2/NDF:39.5/38

All: 0.013+/-0.009 χ^2/NDF: 84.0/73

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.504+/-0.013 χ^2/NDF:1433845.5/19

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

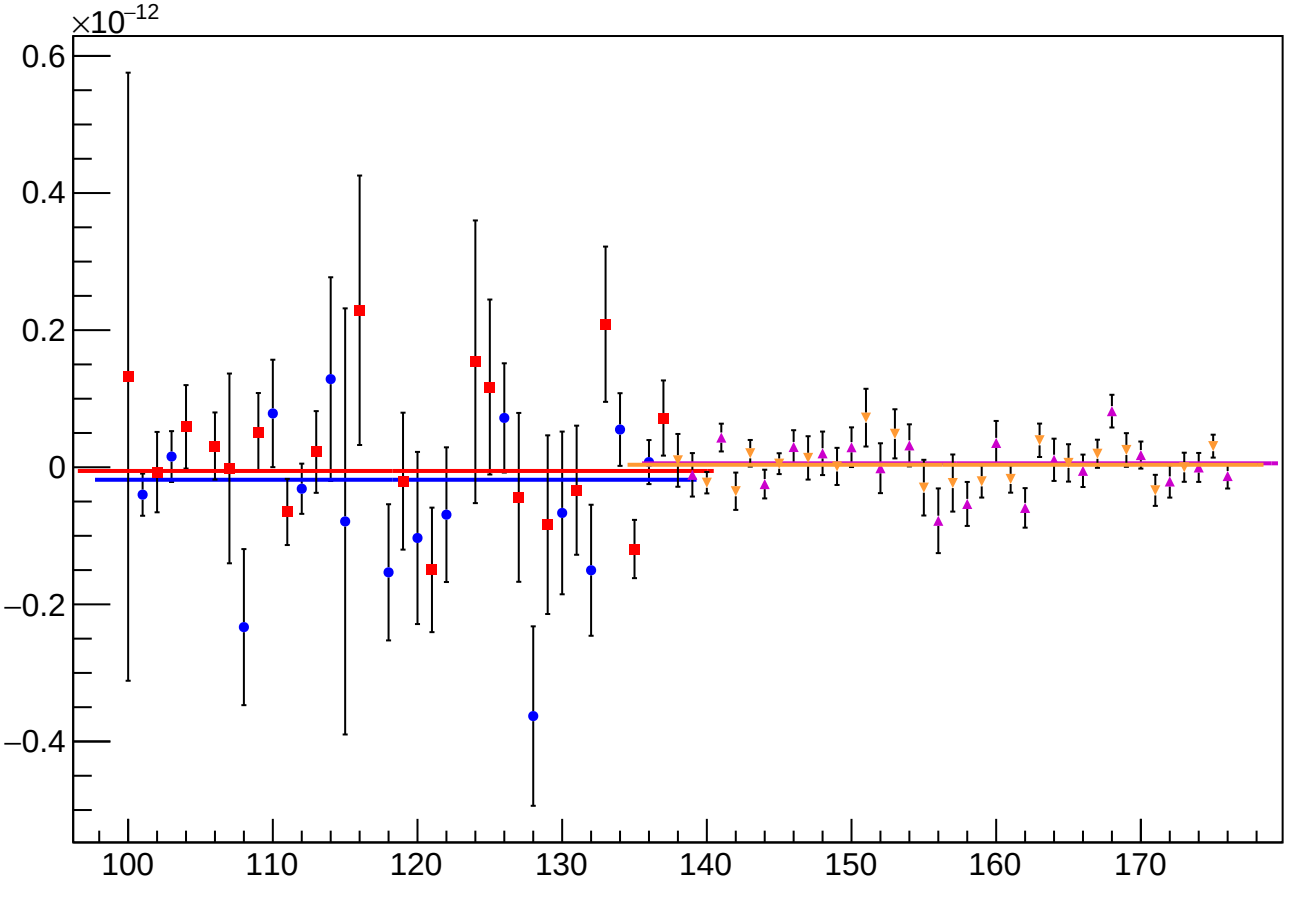
Left: 69.577+/-0.009 χ^2/NDF: 2038111.5/38

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.846+/-0.009 χ^2/NDF:6009567.5/34

Out: 56.385+/-0.009 χ^2/NDF:5492594.3/38

All: 55.615+/-0.006 χ^2/NDF: 11516615.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.1/18

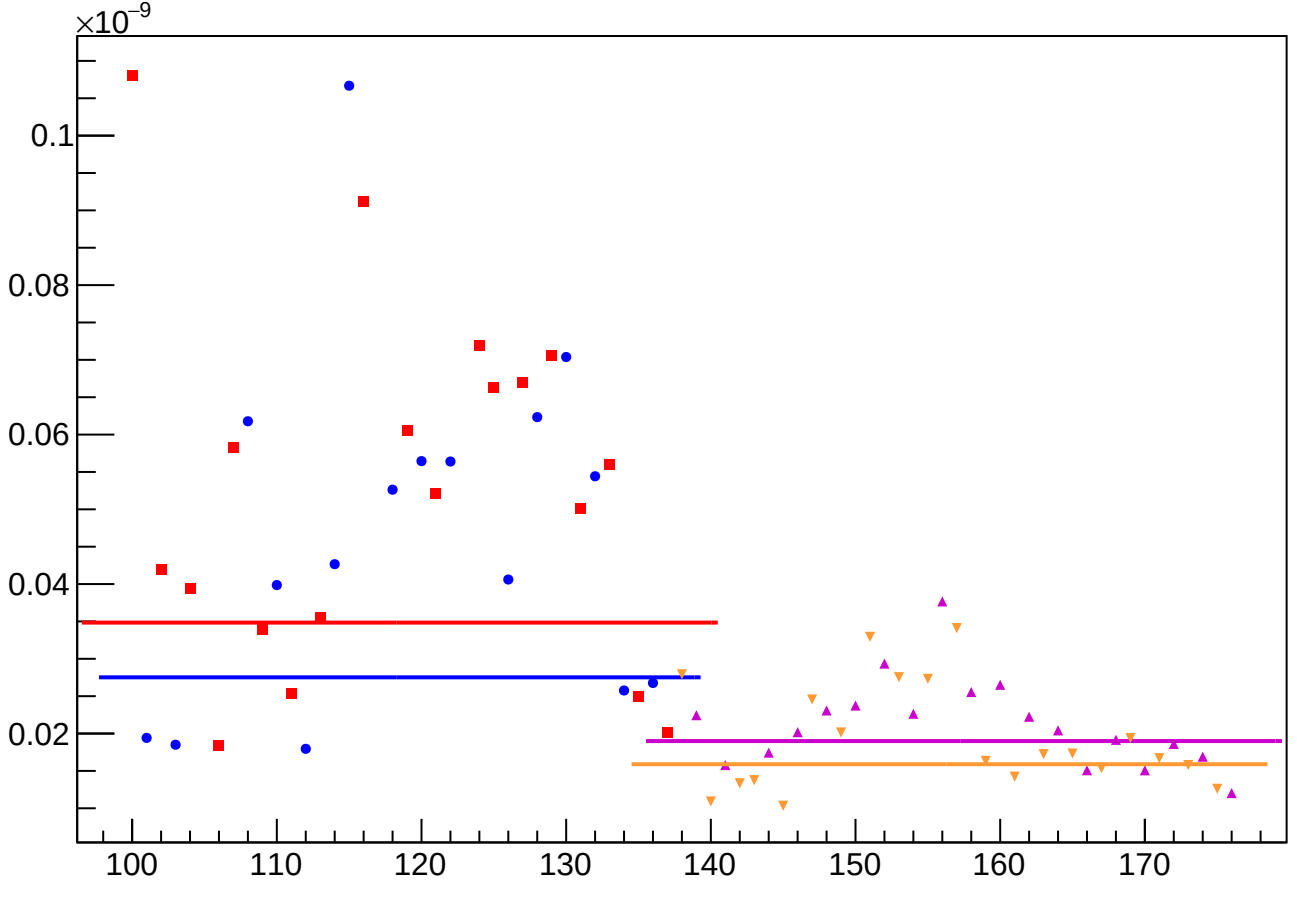
Left: 0.000+/-0.000 χ^2/NDF: 56.2/38

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:59.4/34

Out: 0.000+/-0.000 χ^2/NDF:45.6/38

All: 0.000+/-0.000 χ^2/NDF: 105.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2134079.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1349954.6/18

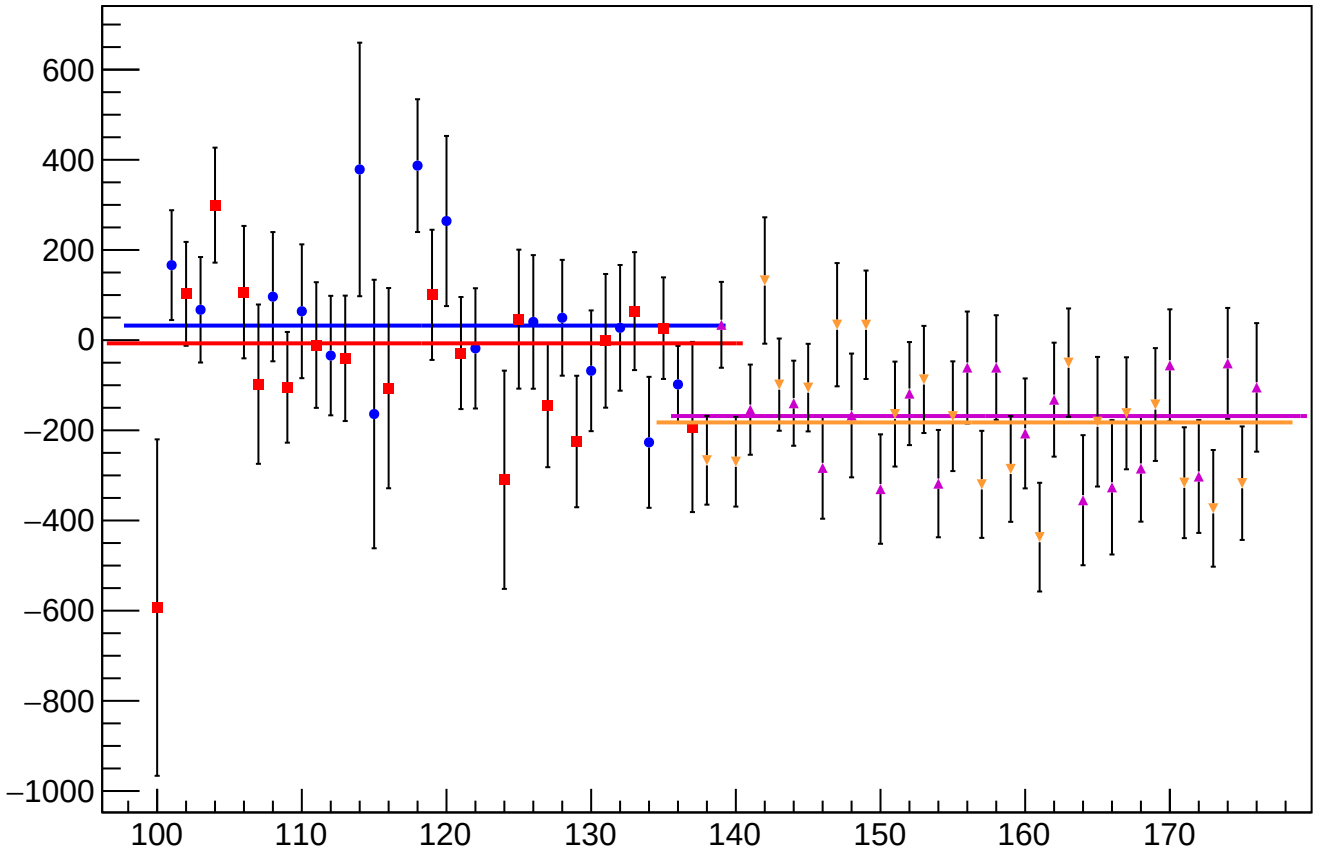
Left: 0.000+/-0.000 χ^2/NDF: 3797829.4/38

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3750886.7/34

Out: 0.000+/-0.000 χ^2/NDF:6161644.0/38

All: 0.000+/-0.000 χ^2/NDF: 10169413.9/73



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.493+/-26.359 χ^2/NDF:26.7/19

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -168.342+/-27.242 χ^2/NDF:17.9/18

Left: -175.651+/-18.943 χ^2/NDF: 44.7/38

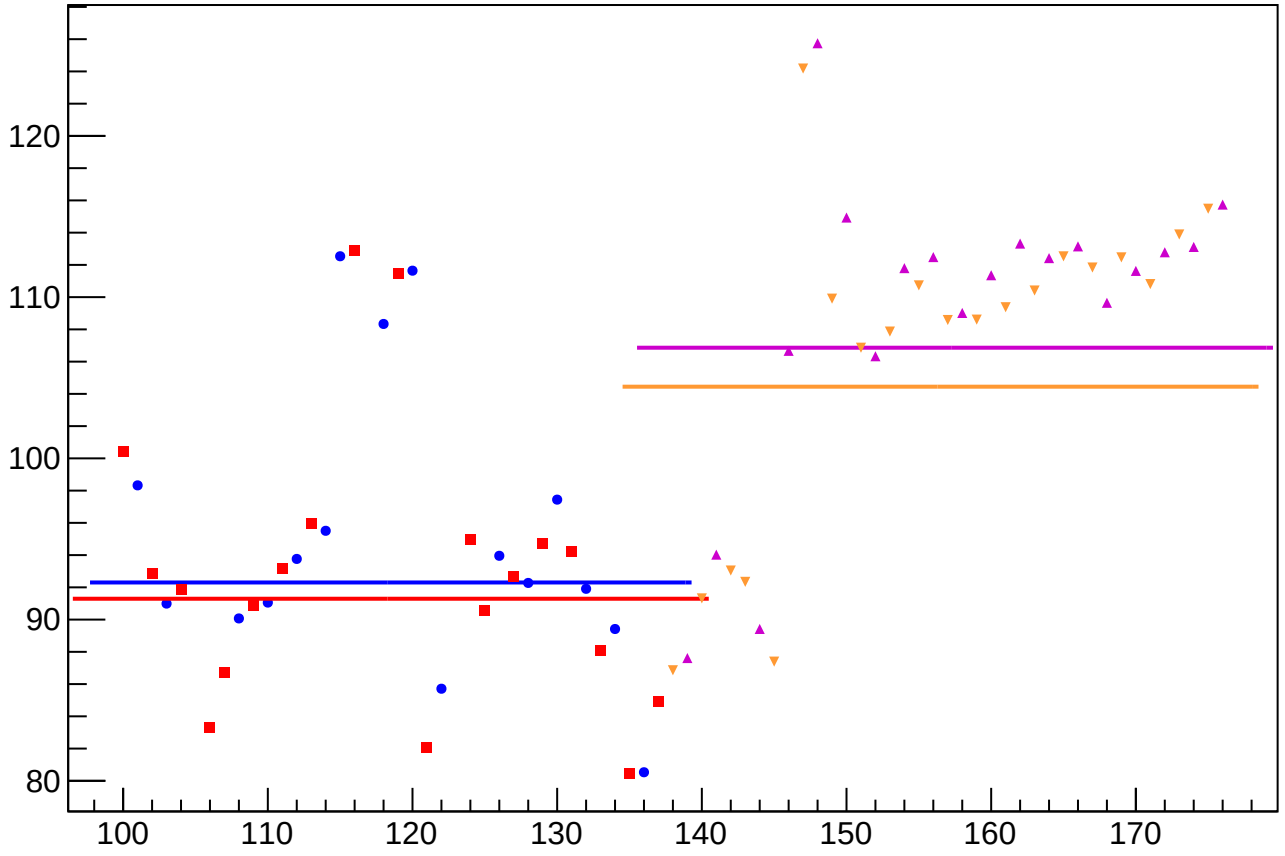
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -91.089+/-21.363 χ^2/NDF:56.0/34

Out: -115.216+/-20.696 χ^2/NDF:61.5/38

All: -103.535+/-14.865 χ^2/NDF: 118.2/73

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

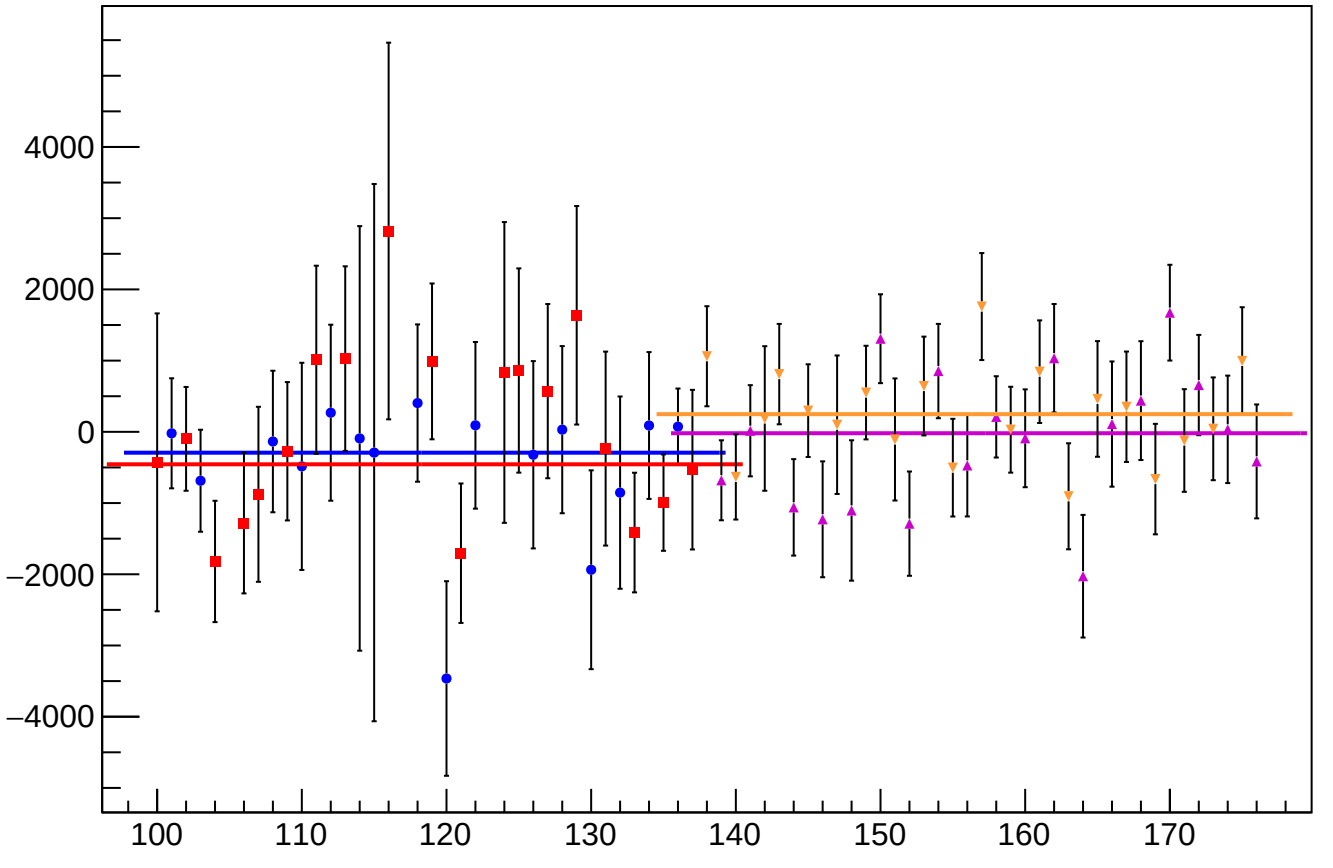
Left: 105.615+/-0.013 χ^2/NDF: 603553.3/38

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 101.257+/-0.015 χ^2/NDF:600943.7/34

Out: 99.402+/-0.015 χ^2/NDF:617605.7/38

All: 100.300+/-0.011 χ^2/NDF: 1226328.5/73



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.240+/-162.643 χ^2/NDF:16.1/19

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -19.544+/-163.224 χ^2/NDF:32.2/18

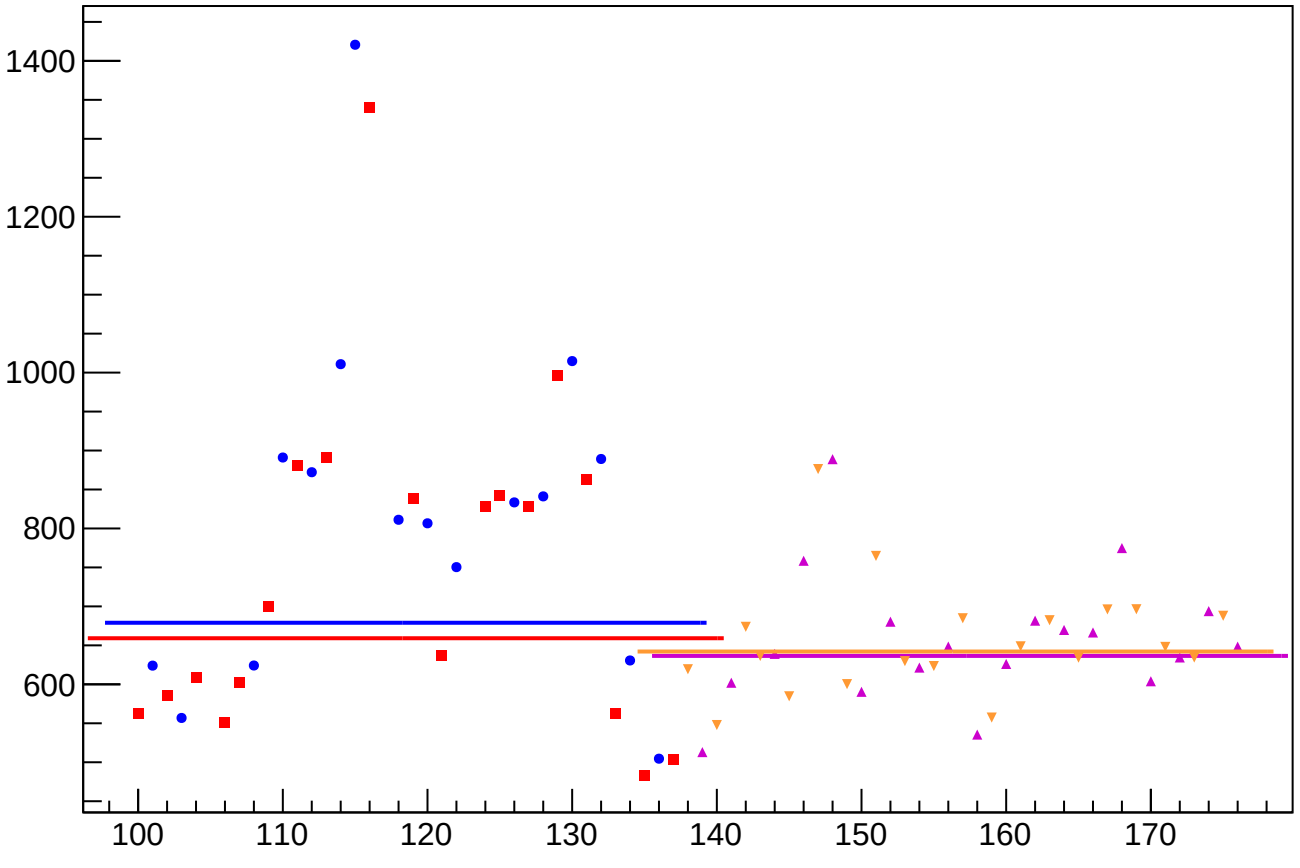
Left: 114.825+/-115.211 χ^2/NDF: 49.7/38

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -96.912+/-138.194 χ^2/NDF:41.8/34

Out: 37.346+/-136.122 χ^2/NDF:38.6/38

All: -28.769+/-96.977 χ^2/NDF: 80.9/73



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 642.087+/-0.115 χ^2/NDF:316001.3/19

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 636.475+/-0.115 χ^2/NDF:445540.8/18

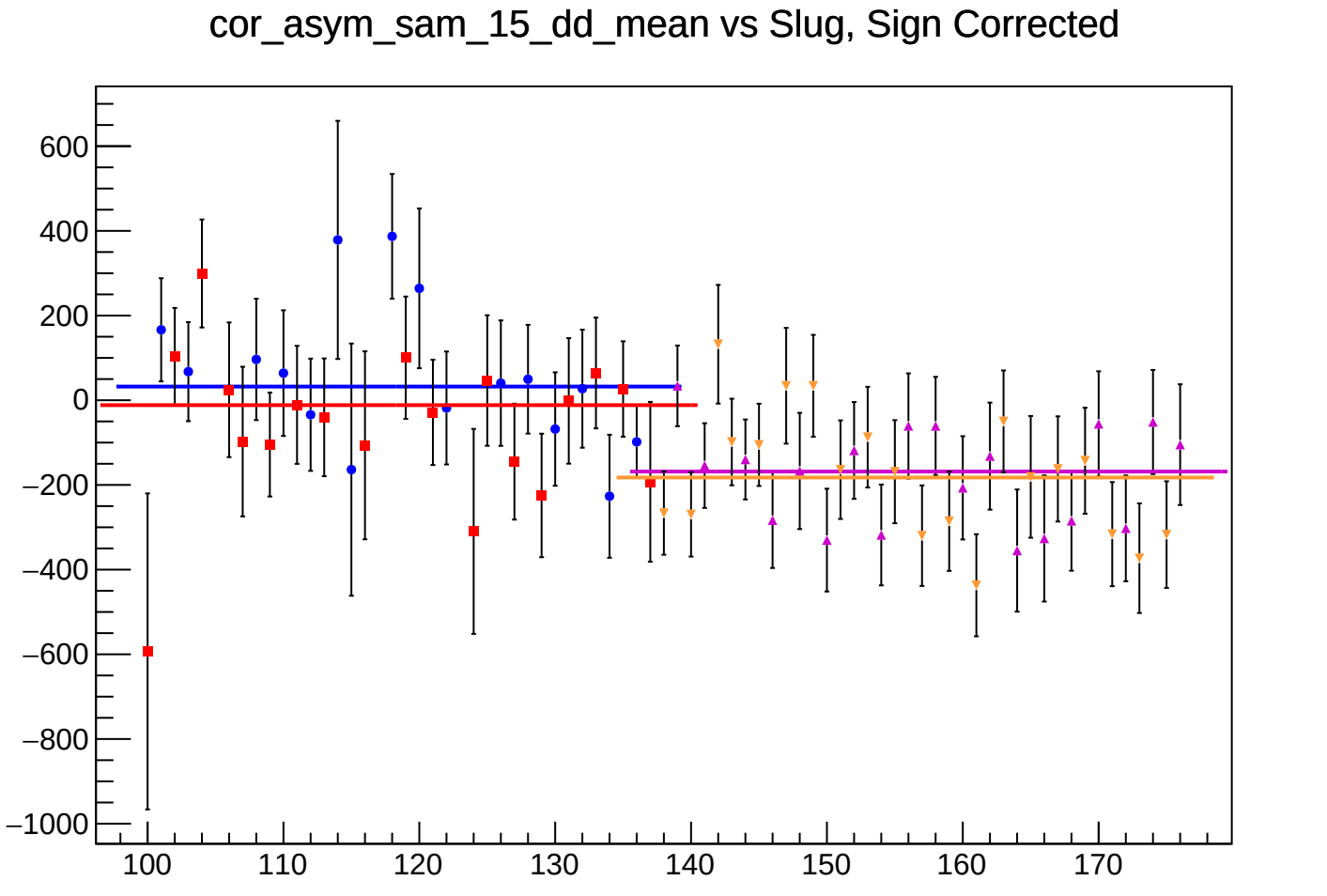
Left: 639.291+/-0.081 χ^2/NDF: 762728.7/38

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 648.518+/-0.098 χ^2/NDF:1251972.3/34

Out: 647.193+/-0.096 χ^2/NDF:1118459.3/38

All: 647.846+/-0.069 χ^2/NDF: 2370524.9/73



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -168.346+/-27.242 χ^2/NDF:17.9/18

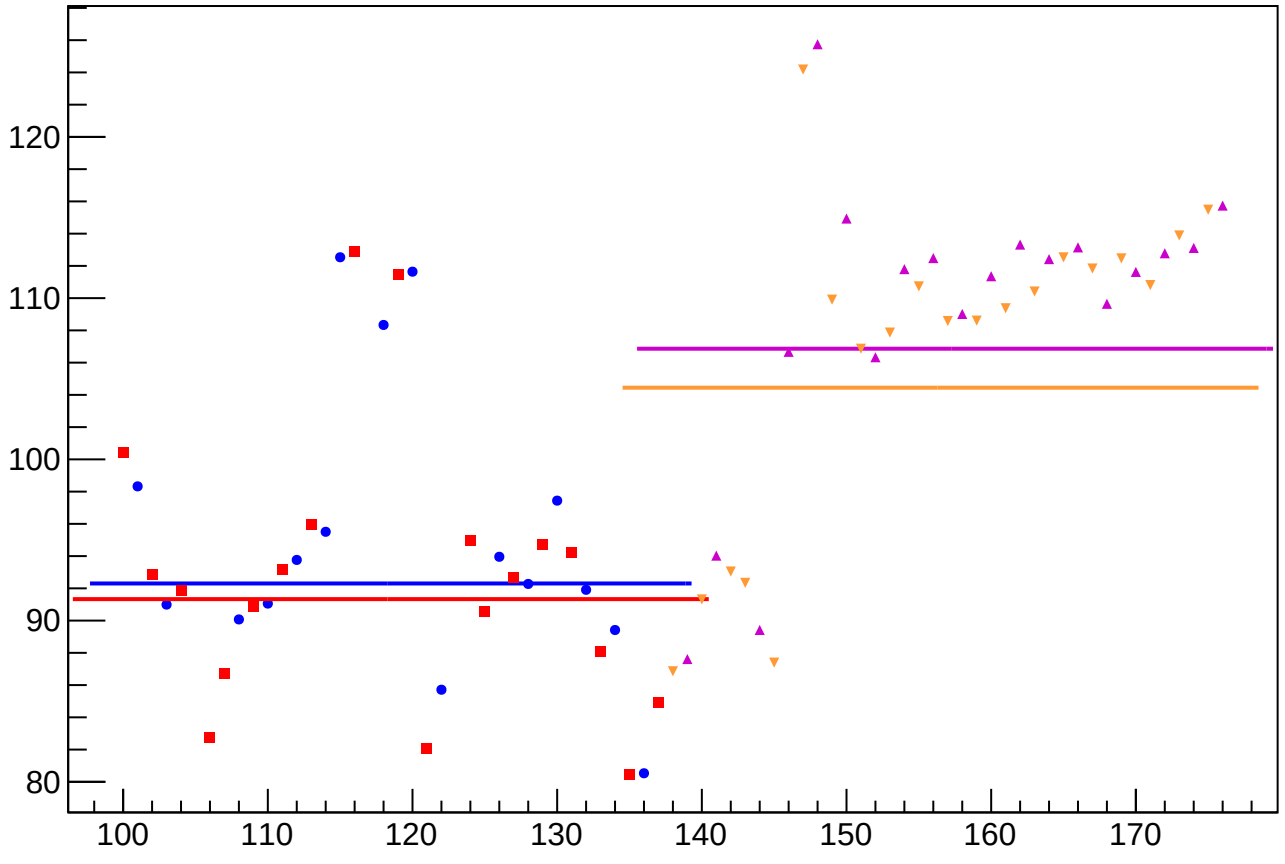
Left: -175.652+/-18.943 χ^2/NDF: 44.7/38

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -91.086+/-21.363 χ^2/NDF:56.1/34

Out: -117.253+/-20.727 χ^2/NDF:59.9/38

All: -104.565+/-14.876 χ^2/NDF: 116.8/73



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

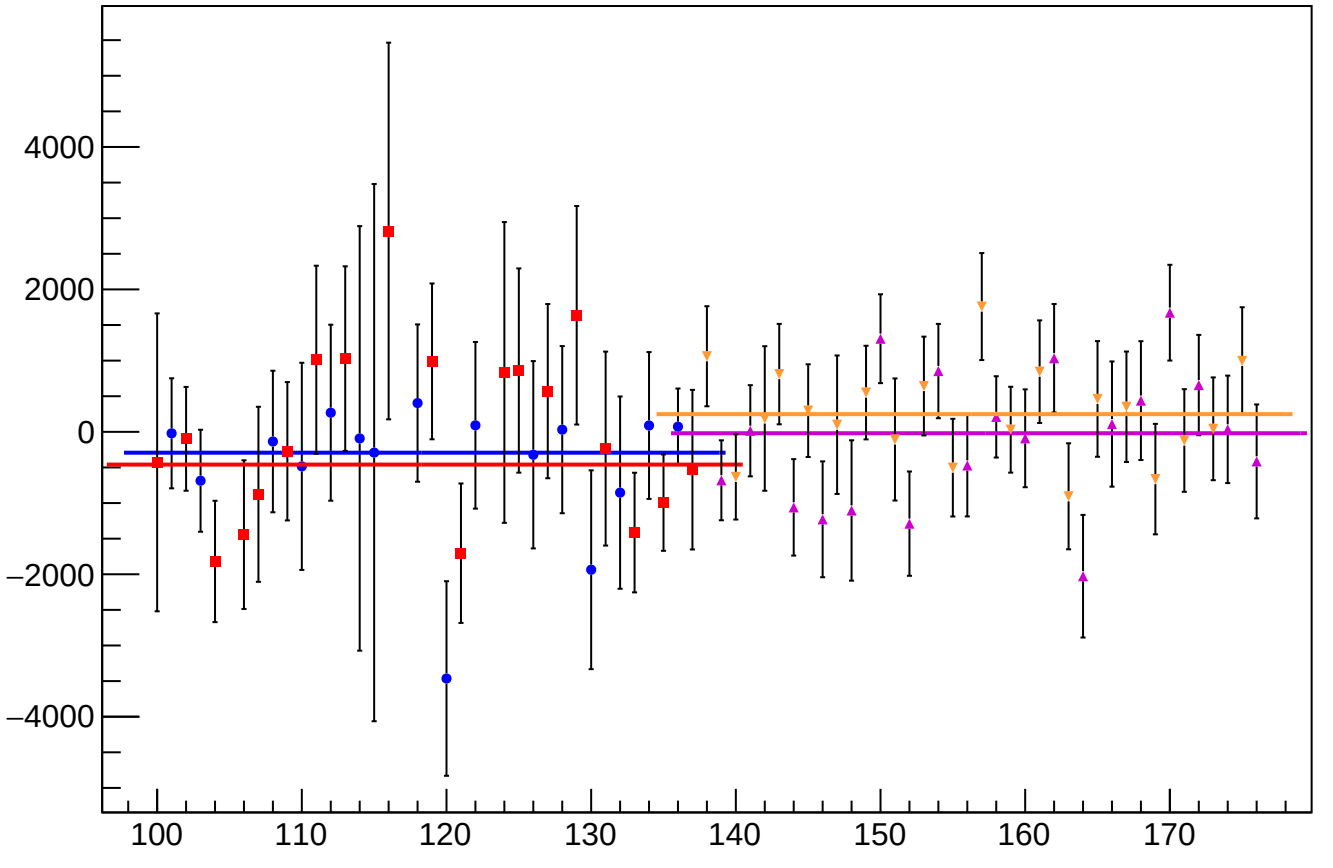
Left: 105.615+/-0.013 χ^2/NDF: 603553.3/38

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.257+/-0.015 χ^2/NDF:600943.6/34

Out: 99.440+/-0.015 χ^2/NDF:615417.5/38

All: 100.321+/-0.011 χ^2/NDF: 1223810.0/73



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -19.547+/-163.224 χ^2/NDF:32.2/18

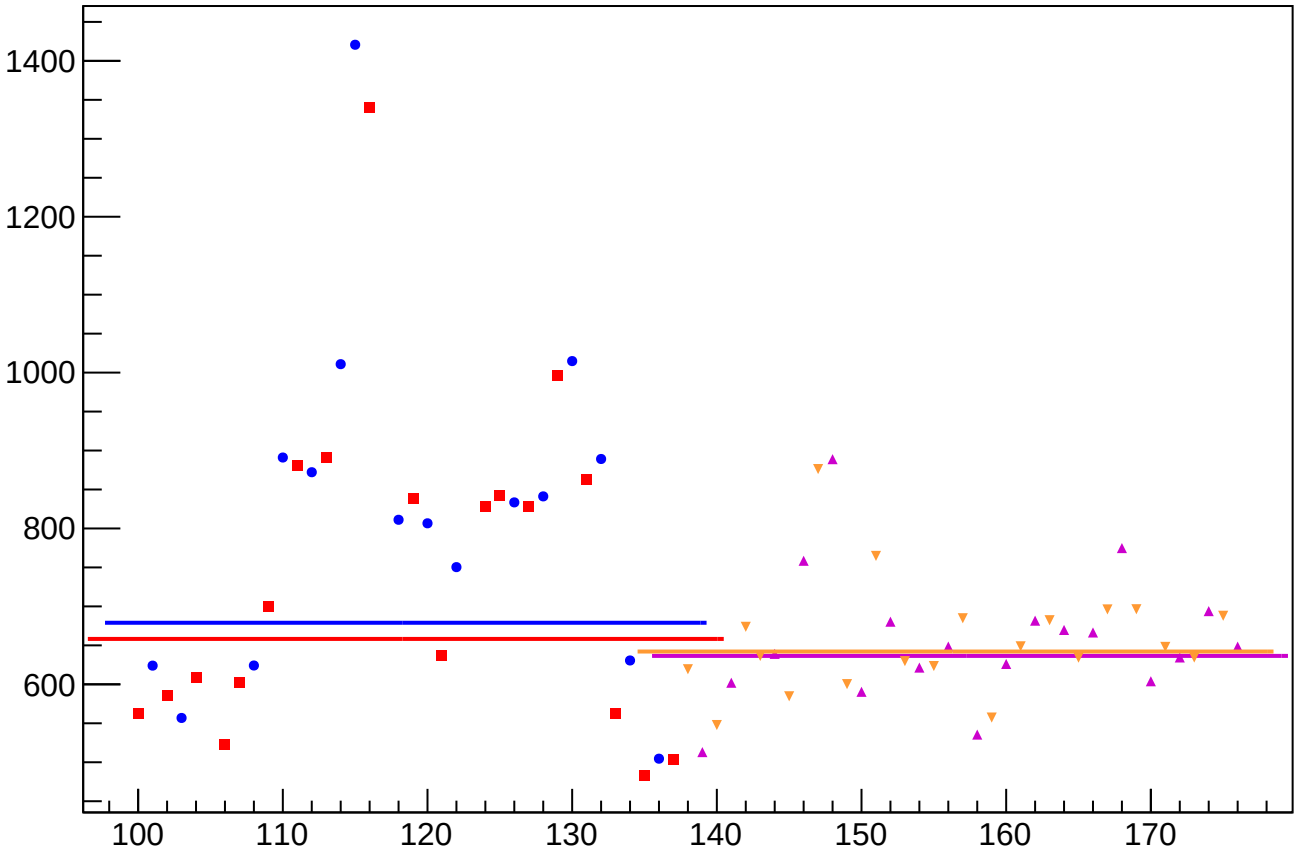
Left: 114.823+/-115.211 χ^2/NDF: 49.7/38

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -96.913+/-138.194 χ^2/NDF:41.8/34

Out: 37.201+/-136.257 χ^2/NDF:38.8/38

All: -28.910+/-97.026 χ^2/NDF: 81.1/73



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

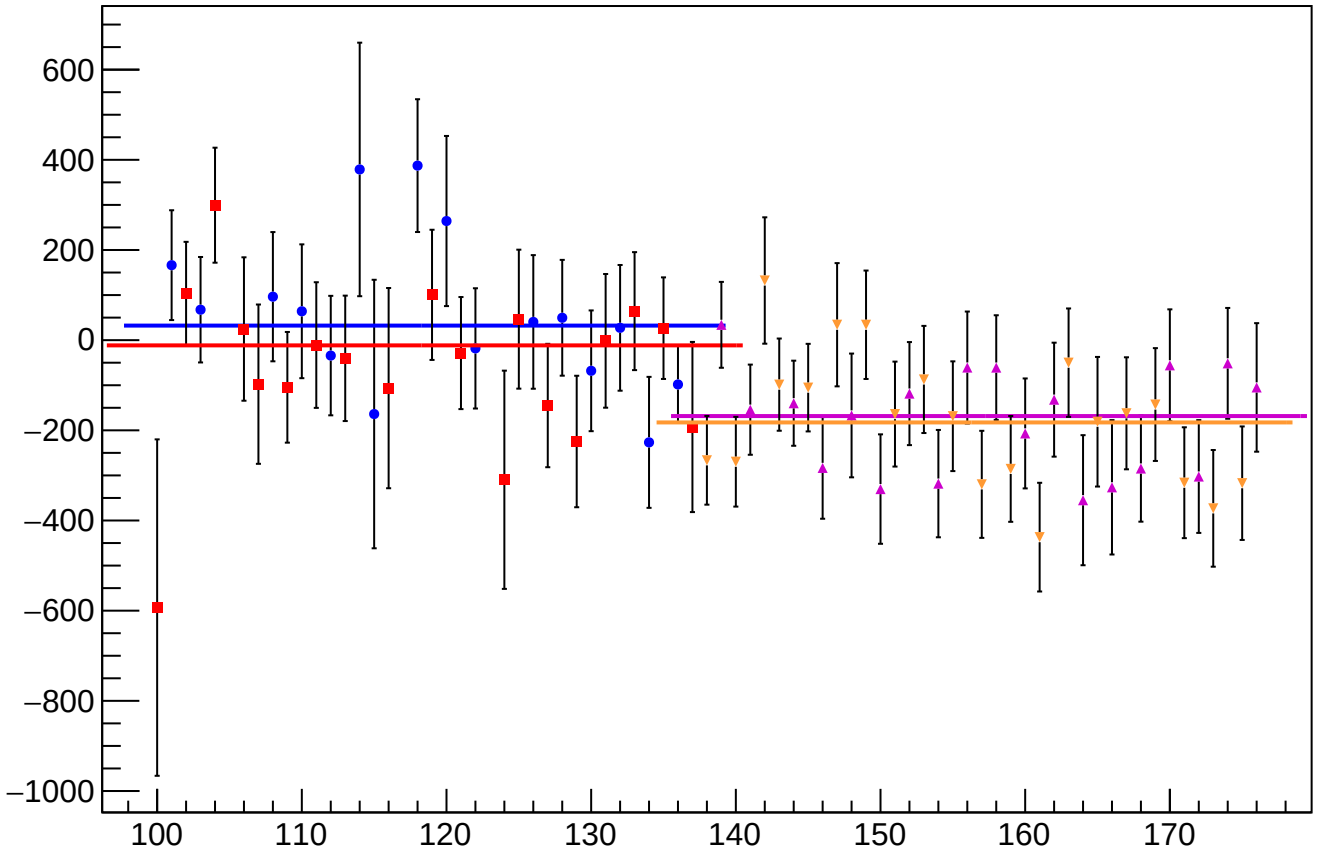
Left: 639.291+/-0.081 χ^2/NDF: 762730.4/38

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.518+/-0.098 χ^2/NDF:1251974.4/34

Out: 646.910+/-0.096 χ^2/NDF:1127797.3/38

All: 647.703+/-0.069 χ^2/NDF: 2379909.0/73



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -182.491+/-26.359 χ^2/NDF:26.7/19

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -168.346+/-27.242 χ^2/NDF:17.9/18

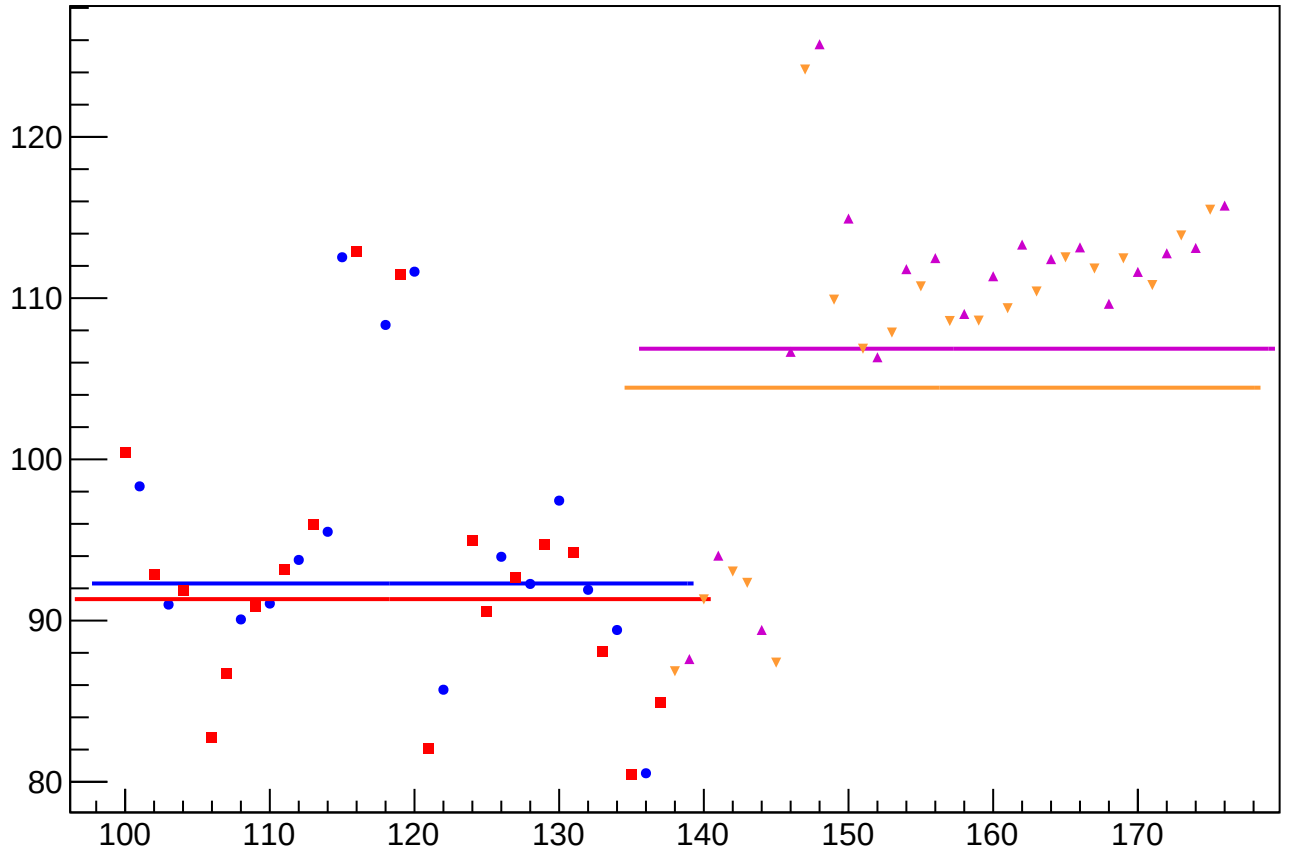
Left: -175.652+/-18.943 χ^2/NDF: 44.7/38

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -91.086+/-21.363 χ^2/NDF:56.1/34

Out: -117.253+/-20.727 χ^2/NDF:59.9/38

All: -104.565+/-14.876 χ^2/NDF: 116.8/73



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.446+/-0.019 χ^2/NDF:321544.1/19

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

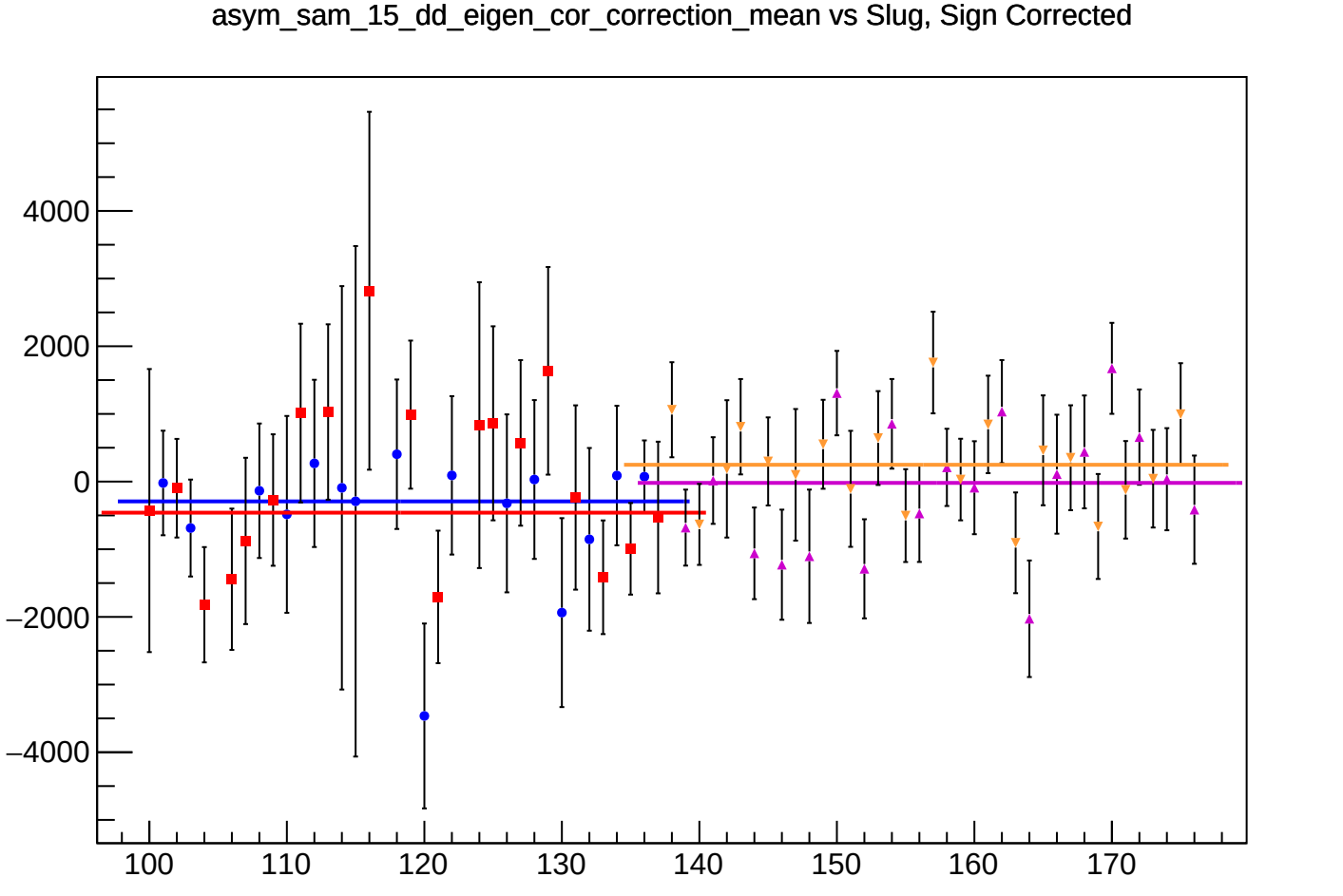
Left: 105.615+/-0.013 χ^2/NDF: 603553.3/38

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.257+/-0.015 χ^2/NDF:600943.6/34

Out: 99.440+/-0.015 χ^2/NDF:615417.5/38

All: 100.321+/-0.011 χ^2/NDF: 1223810.0/73



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 248.238+/-162.643 χ^2/NDF:16.1/19

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -19.547+/-163.224 χ^2/NDF:32.2/18

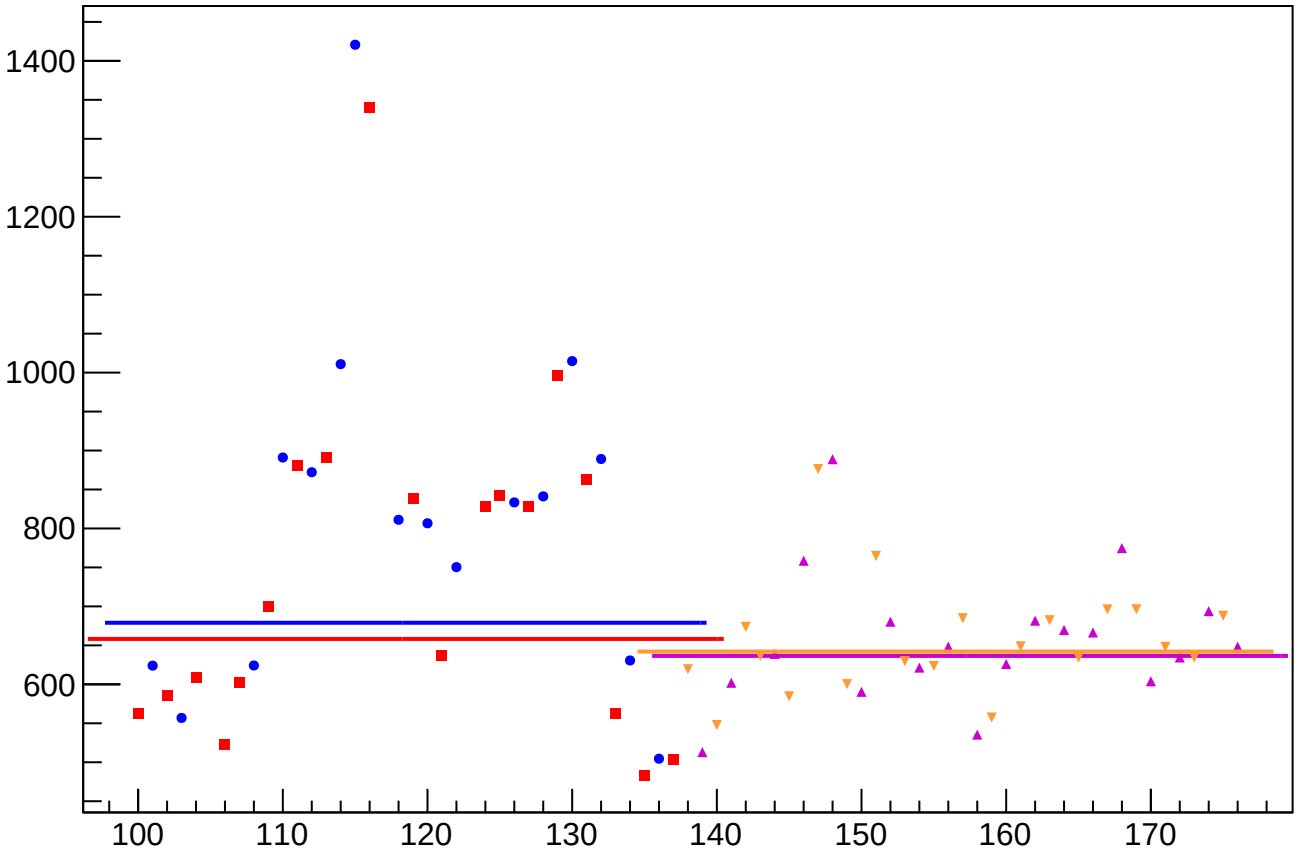
Left: 114.823+/-115.211 χ^2/NDF: 49.7/38

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -96.913+/-138.194 χ^2/NDF:41.8/34

Out: 37.201+/-136.257 χ^2/NDF:38.8/38

All: -28.910+/-97.026 χ^2/NDF: 81.1/73



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 642.088+/-0.115 χ^2/NDF:316002.2/19

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

Left: 639.291+/-0.081 χ^2/NDF: 762730.4/38

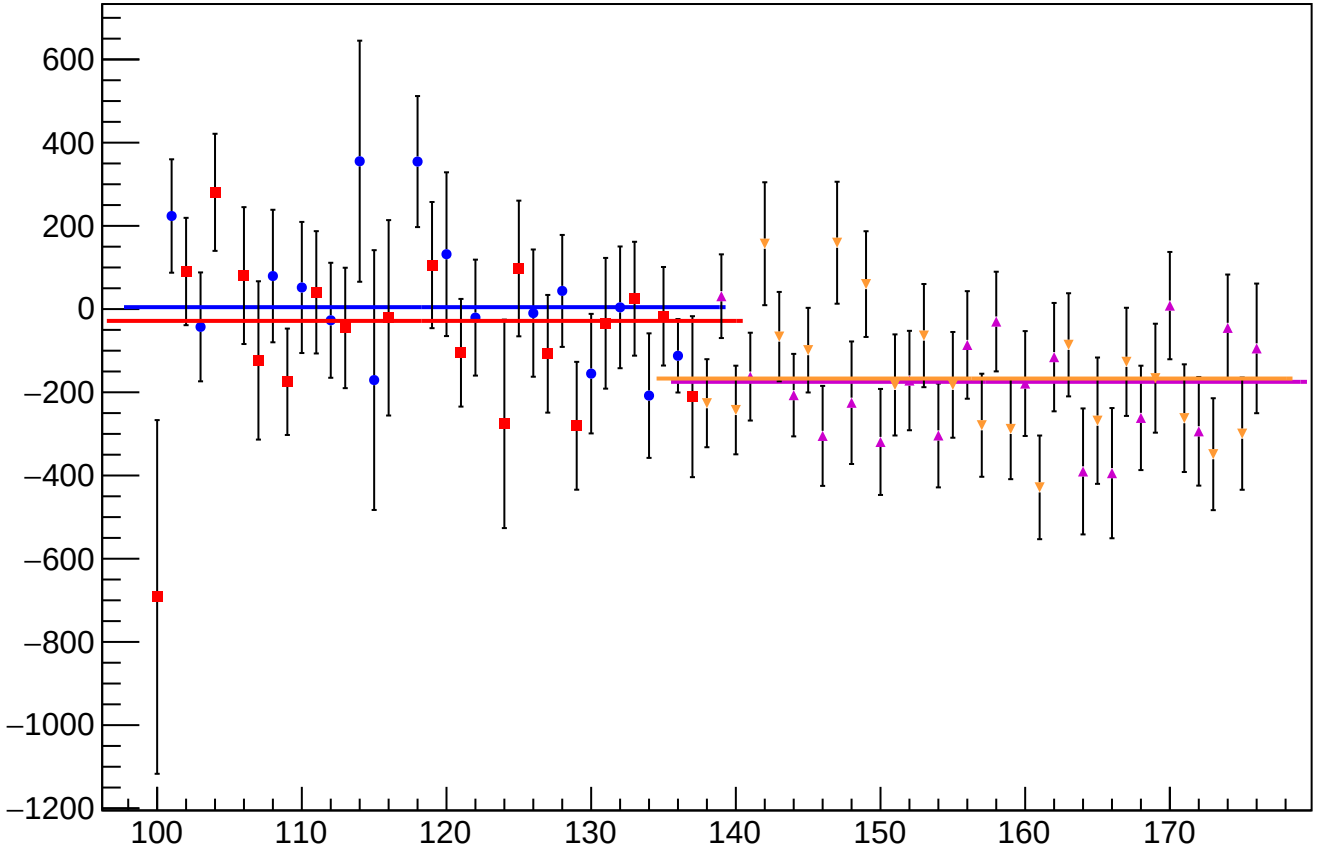
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.518+/-0.098 χ^2/NDF:1251974.4/34

Out: 646.910+/-0.096 χ^2/NDF:1127797.3/38

All: 647.703+/-0.069 χ^2/NDF: 2379909.0/73

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -174.880+/-28.609 χ^2/NDF:18.7/18

Left: -170.780+/-19.897 χ^2/NDF: 45.1/38

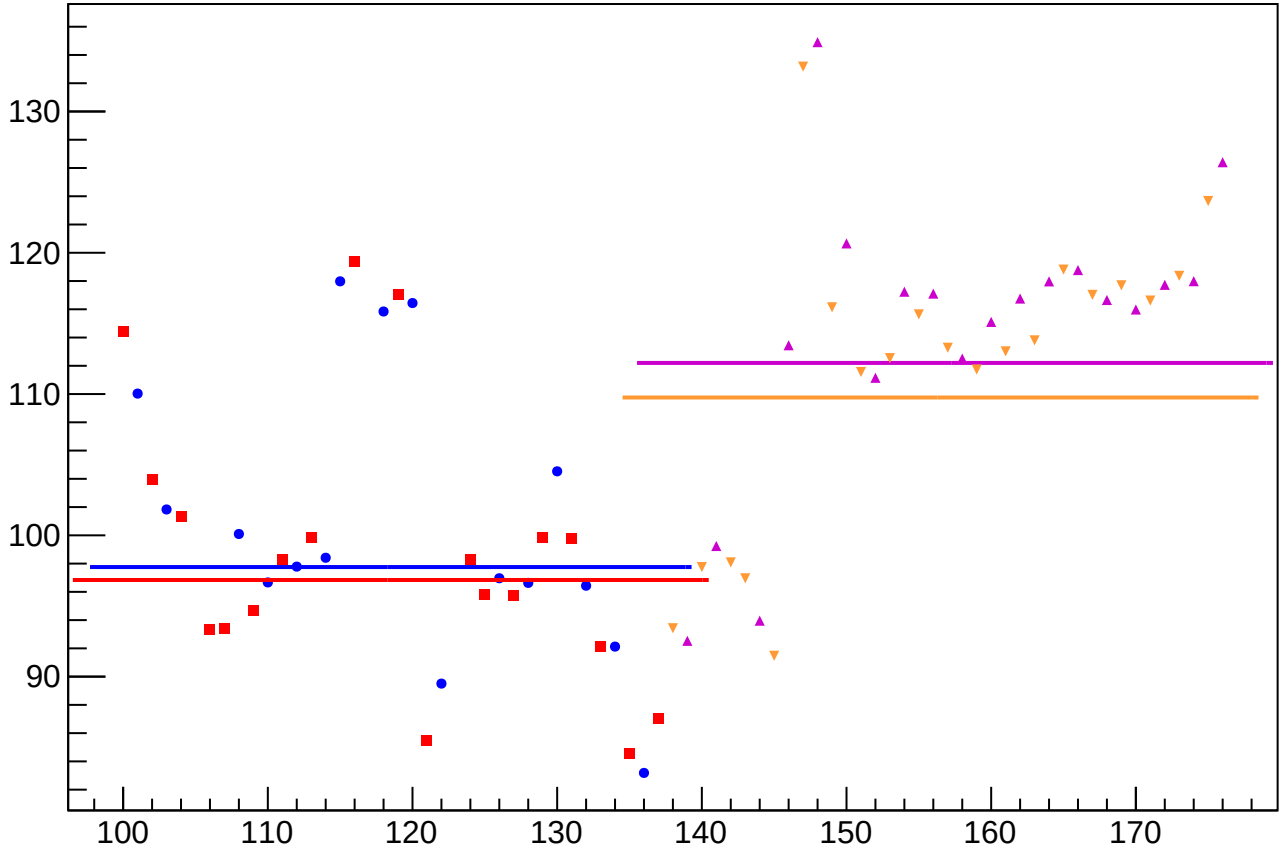
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.592+/-22.519 χ^2/NDF:49.0/34

Out: -114.467+/-21.826 χ^2/NDF:52.9/38

All: -110.652+/-15.673 χ^2/NDF: 102.0/73

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.756+/-0.020 χ^2/NDF:301874.2/19

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.203+/-0.020 χ^2/NDF:275686.8/18

Left: 110.940+/-0.014 χ^2/NDF: 585118.7/38

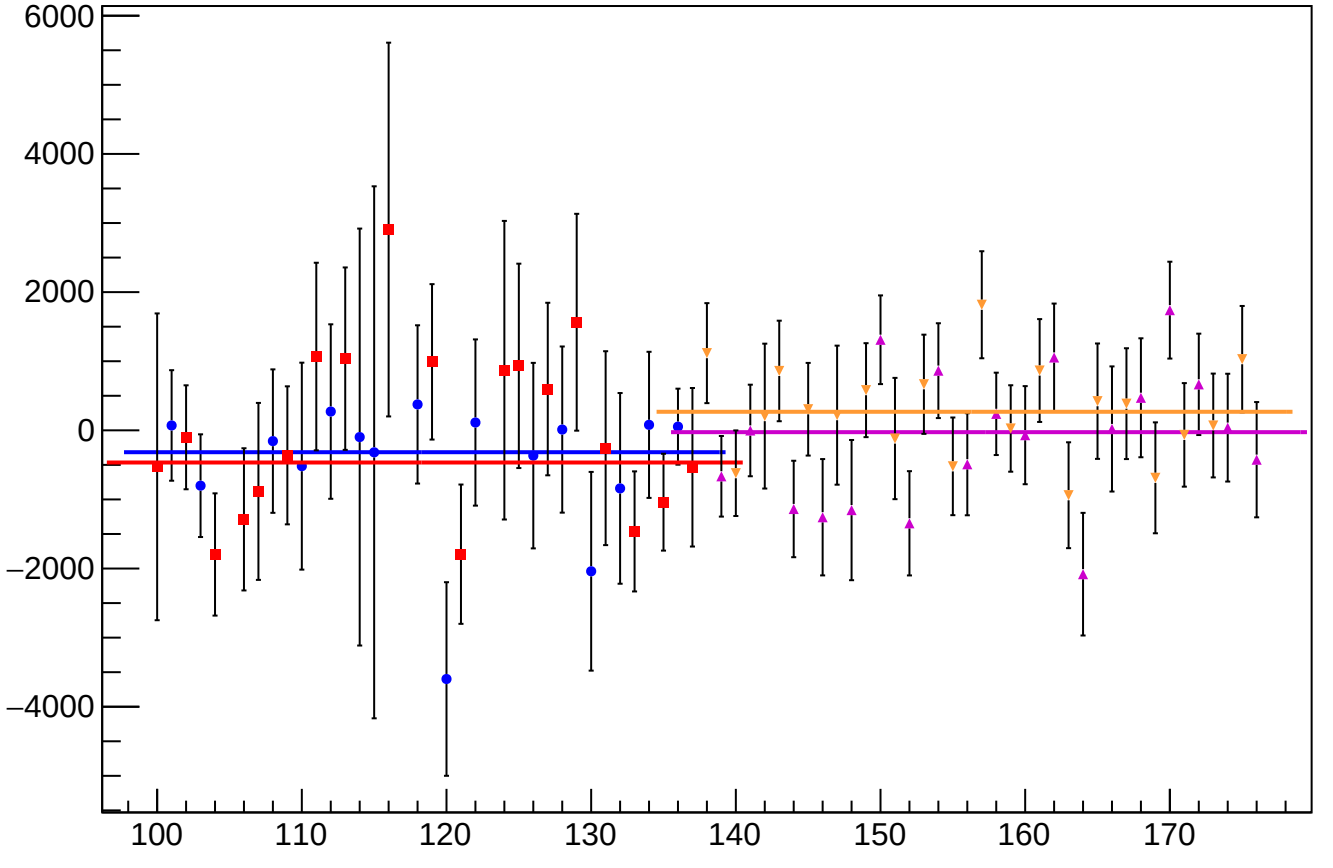
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 106.707+/-0.016 χ^2/NDF:610379.6/34

Out: 104.863+/-0.015 χ^2/NDF:581838.5/38

All: 105.756+/-0.011 χ^2/NDF: 1199128.9/73

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: 268.546+/-167.959 χ^2/NDF:16.1/19

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -26.508+/-168.900 χ^2/NDF:31.9/18

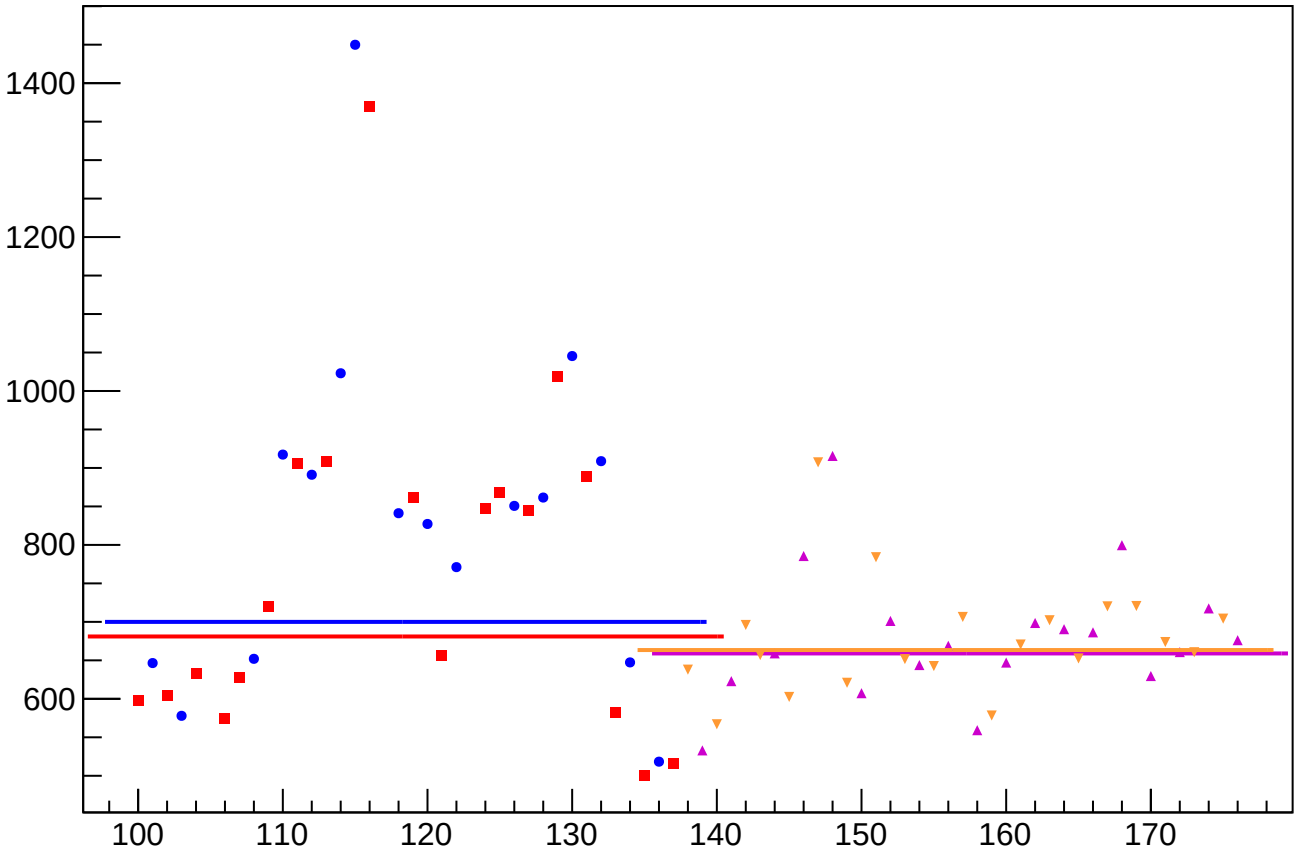
Left: 121.843+/-119.097 χ^2/NDF: 49.5/38

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -109.180+/-142.817 χ^2/NDF:41.9/34

Out: 48.410+/-140.539 χ^2/NDF:38.3/38

All: -29.118+/-100.172 χ^2/NDF: 80.8/73



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 663.381+/-0.119 χ^2/NDF:309996.9/19

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 658.965+/-0.119 χ^2/NDF:428049.7/18

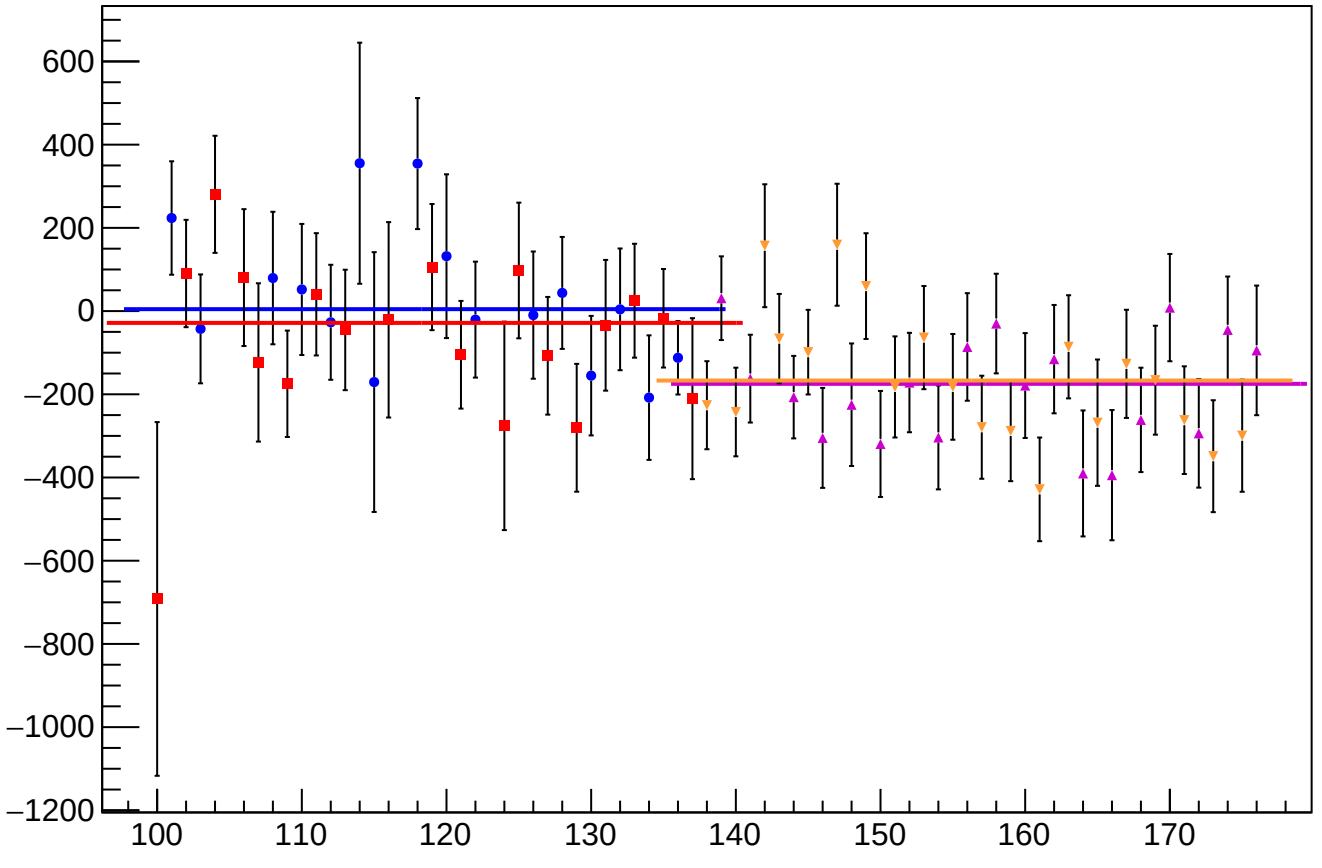
Left: 661.186+/-0.084 χ^2/NDF: 738733.8/38

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 670.653+/-0.101 χ^2/NDF:1215316.3/34

Out: 668.669+/-0.099 χ^2/NDF:1086005.8/38

All: 669.645+/-0.071 χ^2/NDF: 2301518.1/73



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -166.938+/-27.692 χ^2/NDF:26.4/19

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -174.881+/-28.609 χ^2/NDF:18.7/18

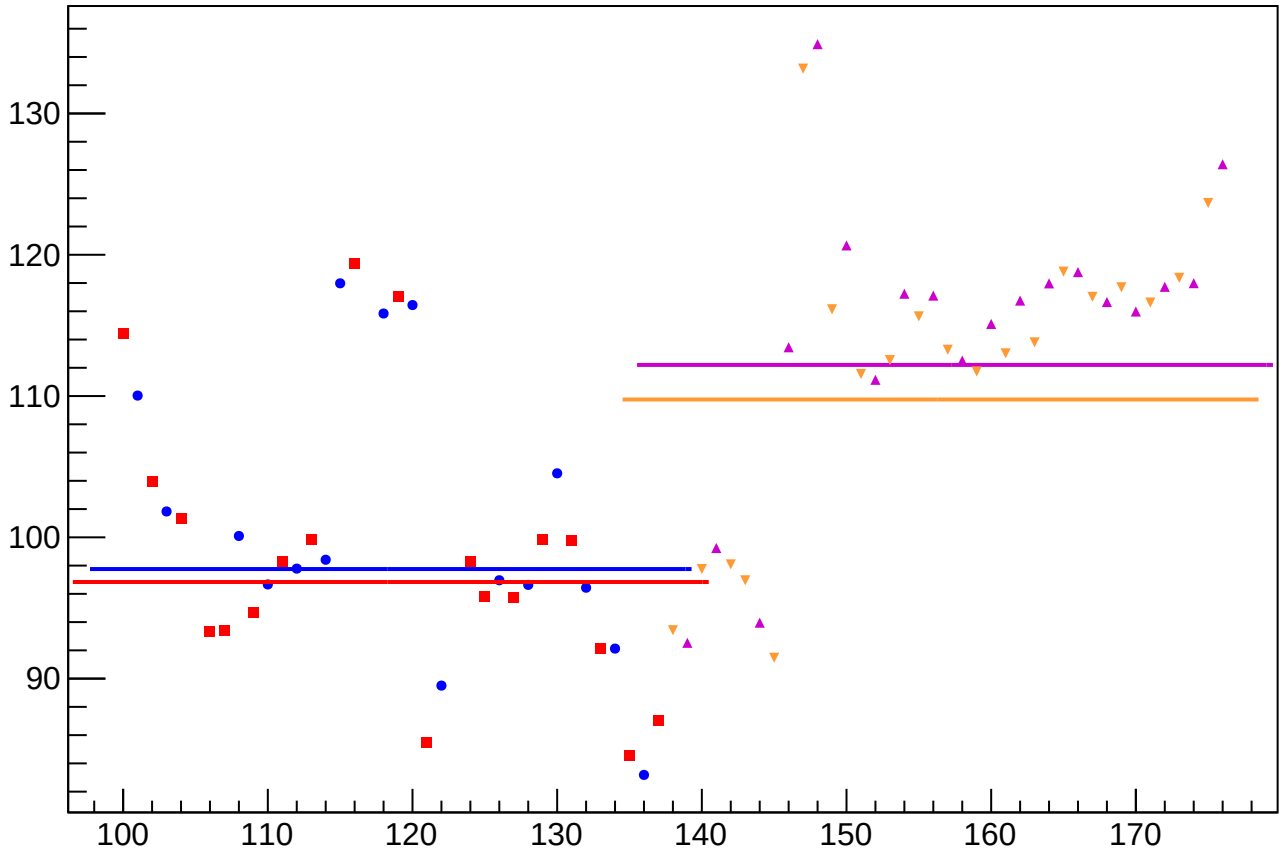
Left: -170.780+/-19.897 χ^2/NDF: 45.1/38

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -106.592+/-22.519 χ^2/NDF:49.0/34

Out: -114.467+/-21.826 χ^2/NDF:52.9/38

All: -110.652+/-15.673 χ^2/NDF: 102.0/73



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.756+/-0.020 χ^2/NDF:301872.8/19

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.203+/-0.020 χ^2/NDF:275682.9/18

Left: 110.940+/-0.014 χ^2/NDF: 585113.6/38

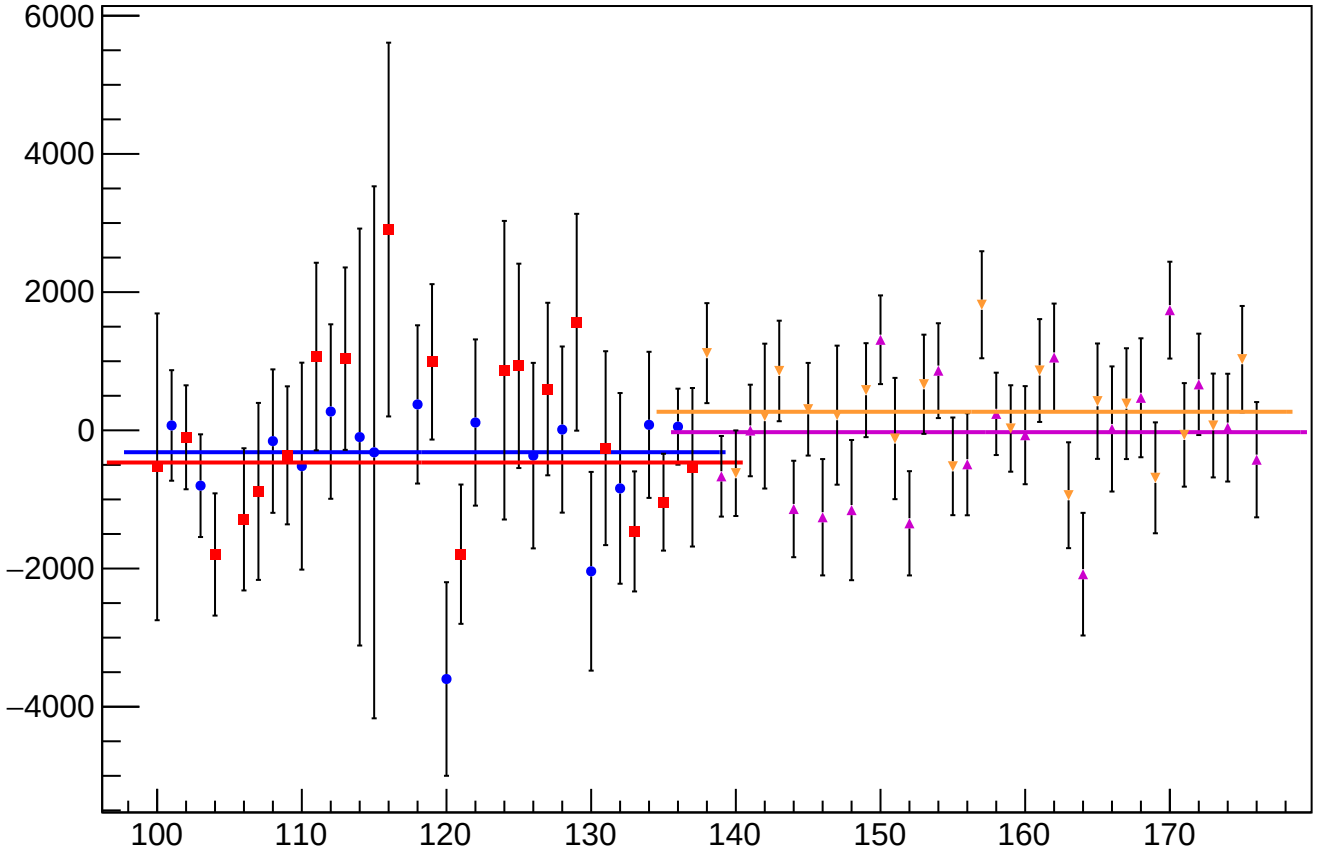
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 106.707+/-0.016 χ^2/NDF:610386.7/34

Out: 104.863+/-0.015 χ^2/NDF:581849.5/38

All: 105.756+/-0.011 χ^2/NDF: 1199147.3/73

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 268.546+/-167.960 χ^2/NDF:16.1/19

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -26.508+/-168.900 χ^2/NDF:31.9/18

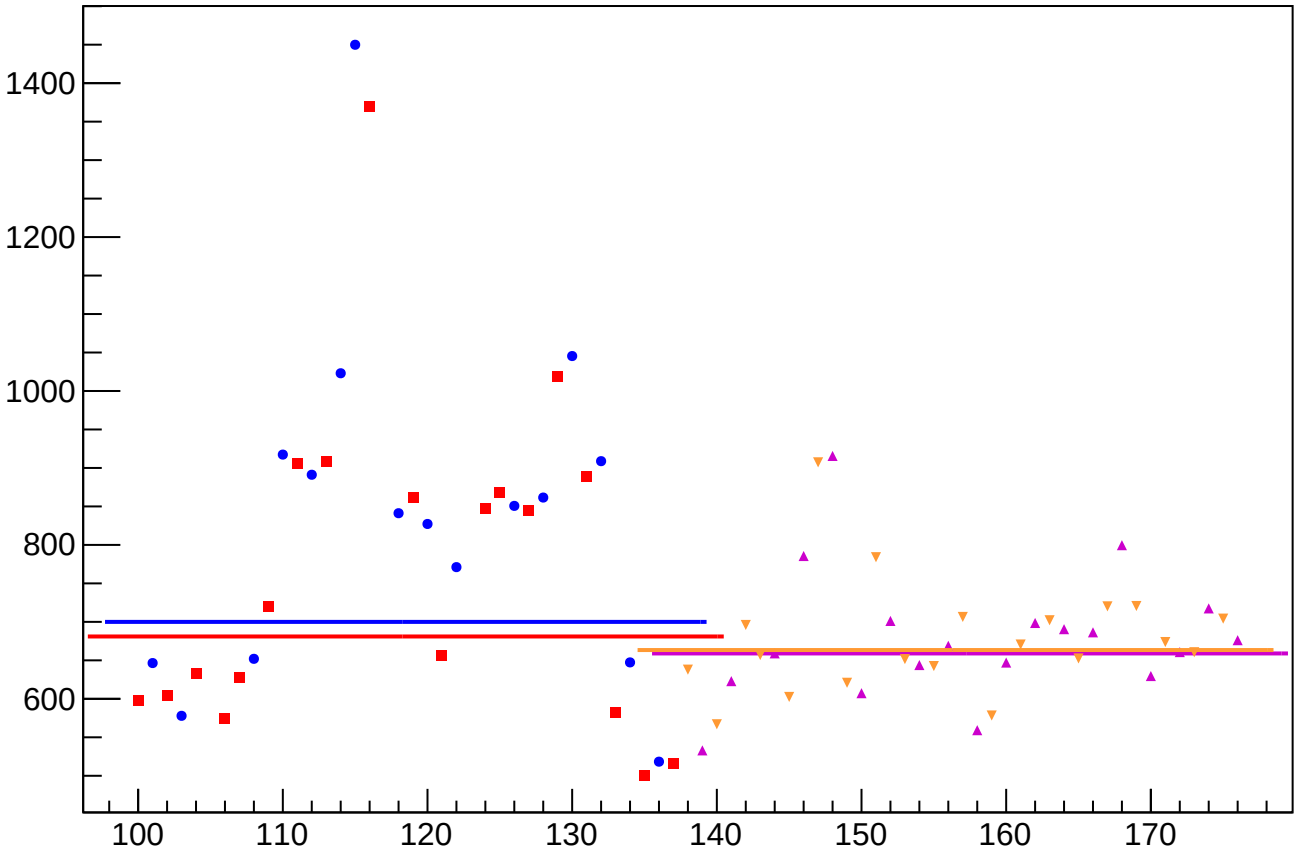
Left: 121.843+/-119.097 χ^2/NDF: 49.5/38

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -109.180+/-142.817 χ^2/NDF:41.9/34

Out: 48.409+/-140.539 χ^2/NDF:38.3/38

All: -29.119+/-100.172 χ^2/NDF: 80.8/73



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 663.382+/-0.119 χ^2/NDF:309996.4/19

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 658.966+/-0.119 χ^2/NDF:428050.4/18

Left: 661.186+/-0.084 χ^2/NDF: 738734.1/38

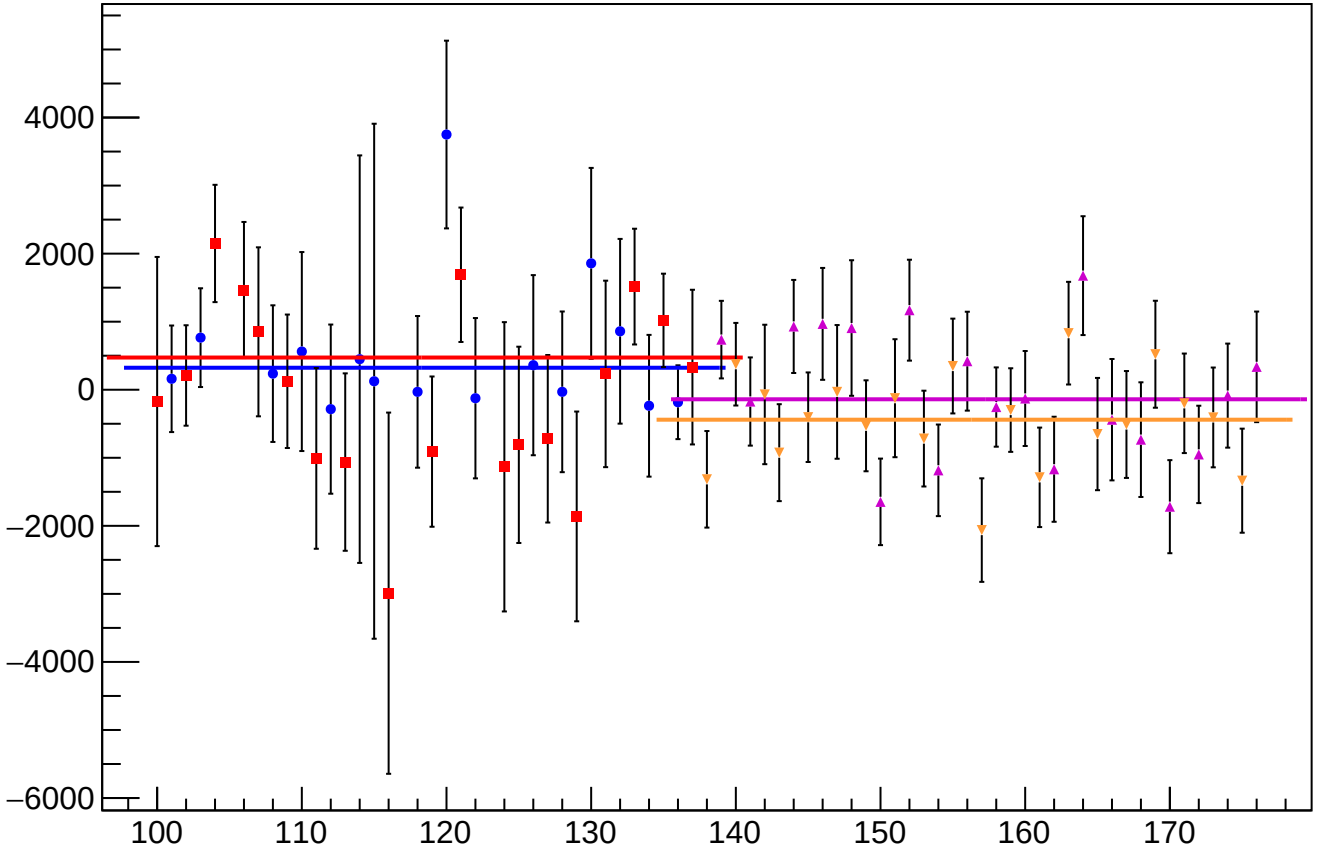
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 670.653+/-0.101 χ^2/NDF:1215316.4/34

Out: 668.669+/-0.099 χ^2/NDF:1086006.8/38

All: 669.645+/-0.071 χ^2/NDF: 2301519.3/73

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -440.343+/-164.898 χ^2/NDF:17.5/19

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -140.292+/-165.631 χ^2/NDF:33.2/18

Left: -290.983+/-116.859 χ^2/NDF: 52.4/38

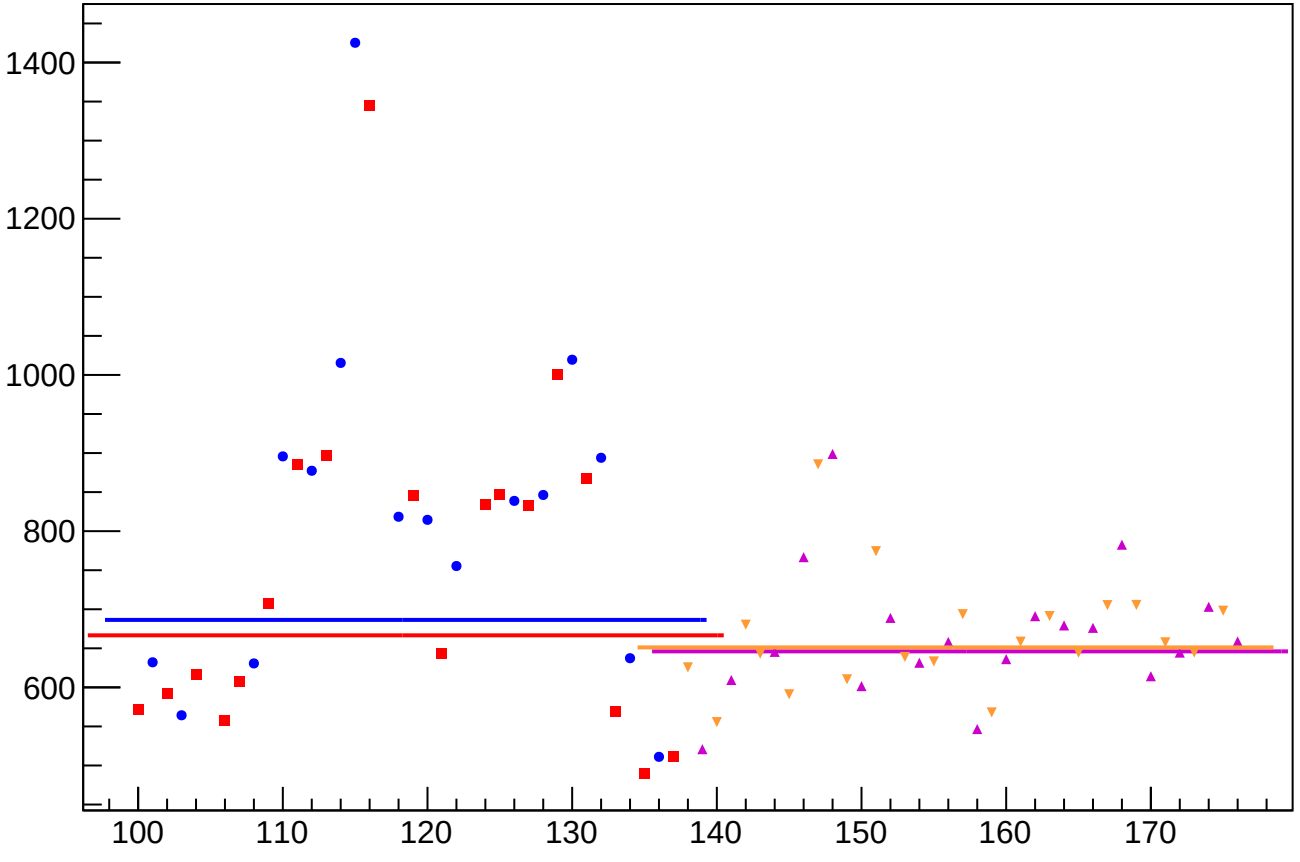
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -8.189+/-140.052 χ^2/NDF:45.1/34

Out: -165.423+/-137.872 χ^2/NDF:46.2/38

All: -88.039+/-98.252 χ^2/NDF: 91.9/73

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 651.166+/-0.117 χ^2/NDF:310292.1/19

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 646.090+/-0.117 χ^2/NDF:431993.1/18

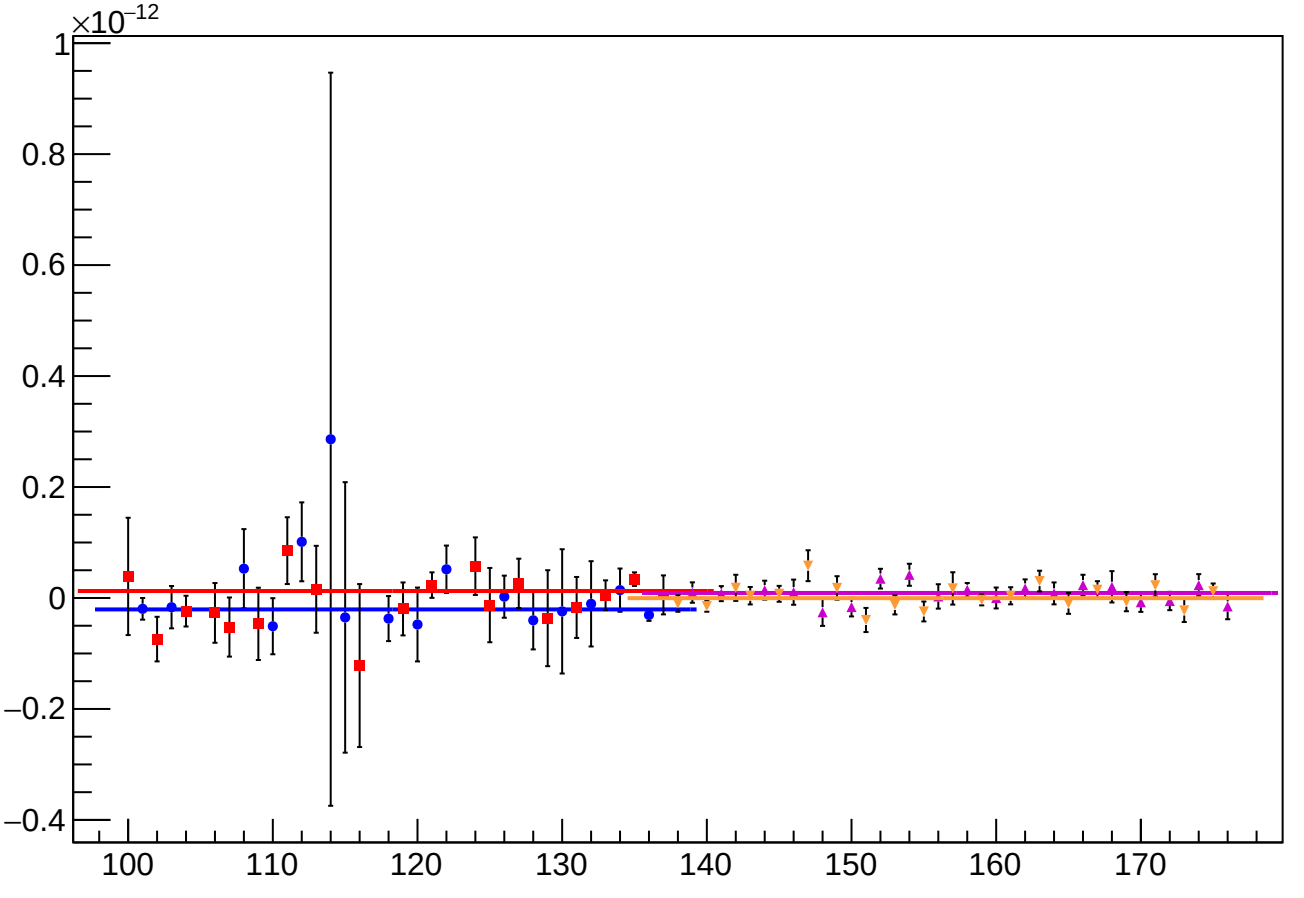
Left: 648.640+/-0.083 χ^2/NDF: 743228.5/38

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 657.578+/-0.099 χ^2/NDF:1215201.0/34

Out: 655.821+/-0.097 χ^2/NDF:1092621.7/38

All: 656.686+/-0.069 χ^2/NDF: 2307982.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

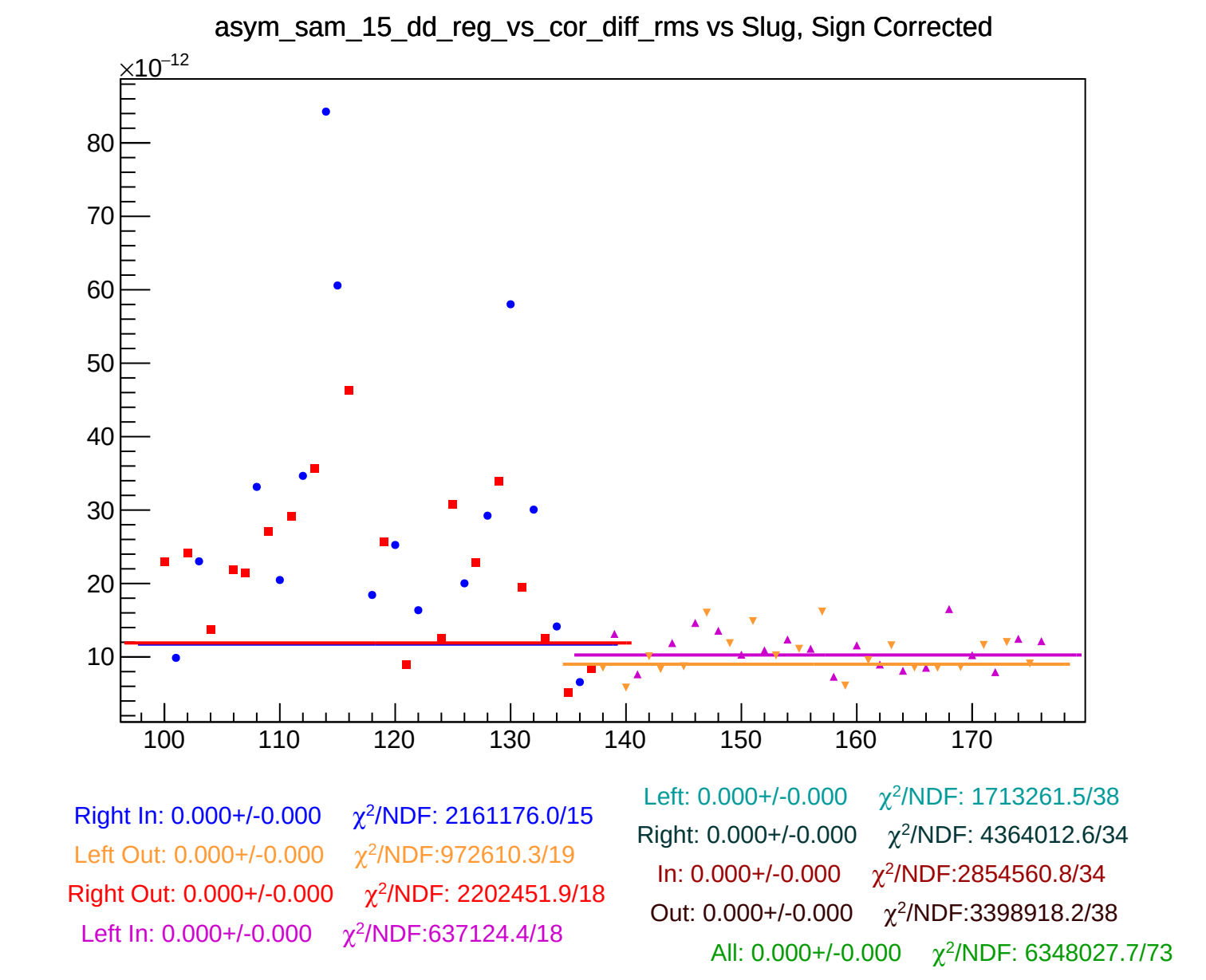
Left: 0.000+/-0.000 χ^2/NDF: 39.0/38

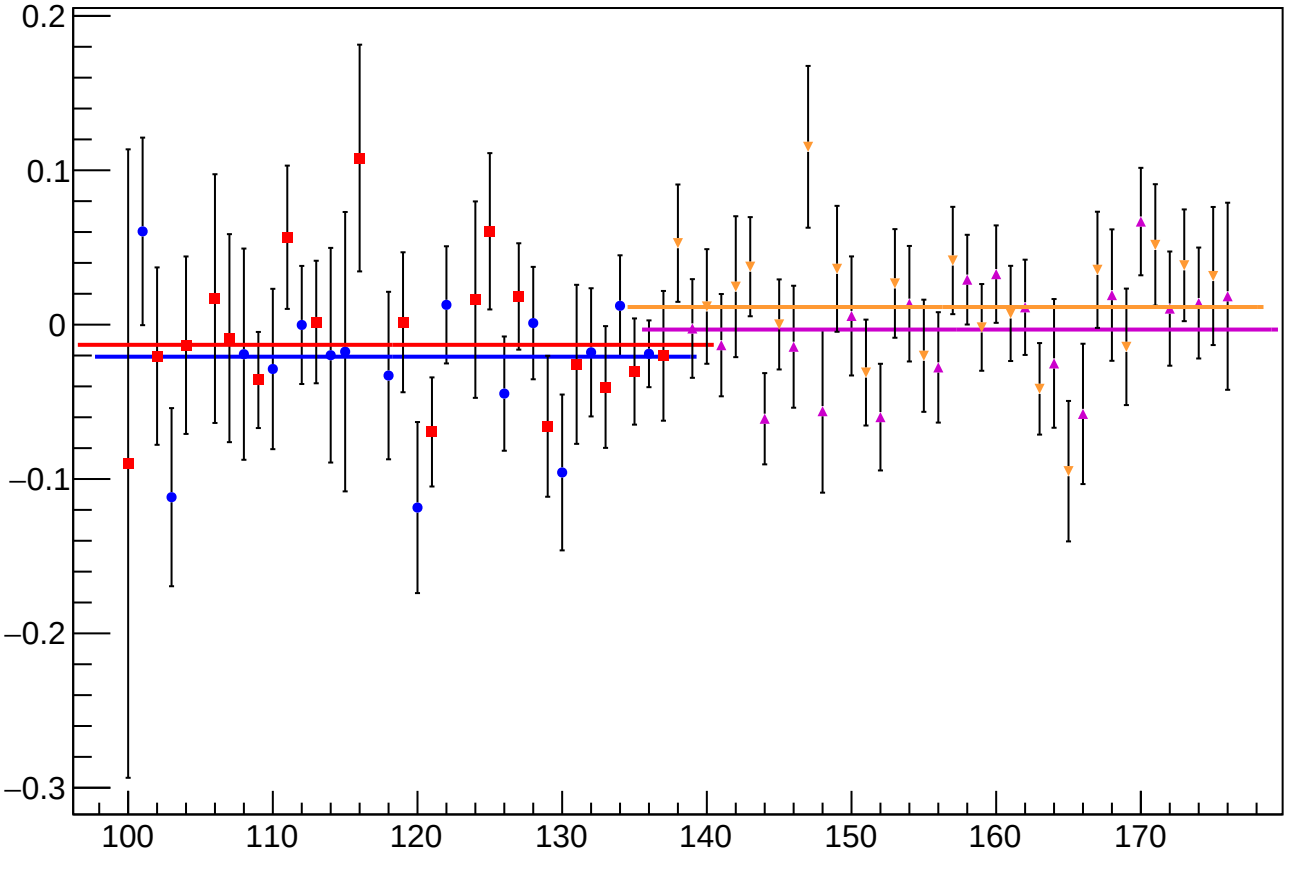
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/34

Out: 0.000+/-0.000 χ^2/NDF:41.4/38

All: 0.000+/-0.000 χ^2/NDF: 76.6/73


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:972610.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:637124.4/18
Left: 0.000+/-0.000 χ²/NDF: 1713261.5/38
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2854560.8/34
Out: 0.000+/-0.000 χ²/NDF:3398918.2/38
All: 0.000+/-0.000 χ²/NDF: 6348027.7/73



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

Left: 0.004+/-0.006 χ^2/NDF: 40.5/38

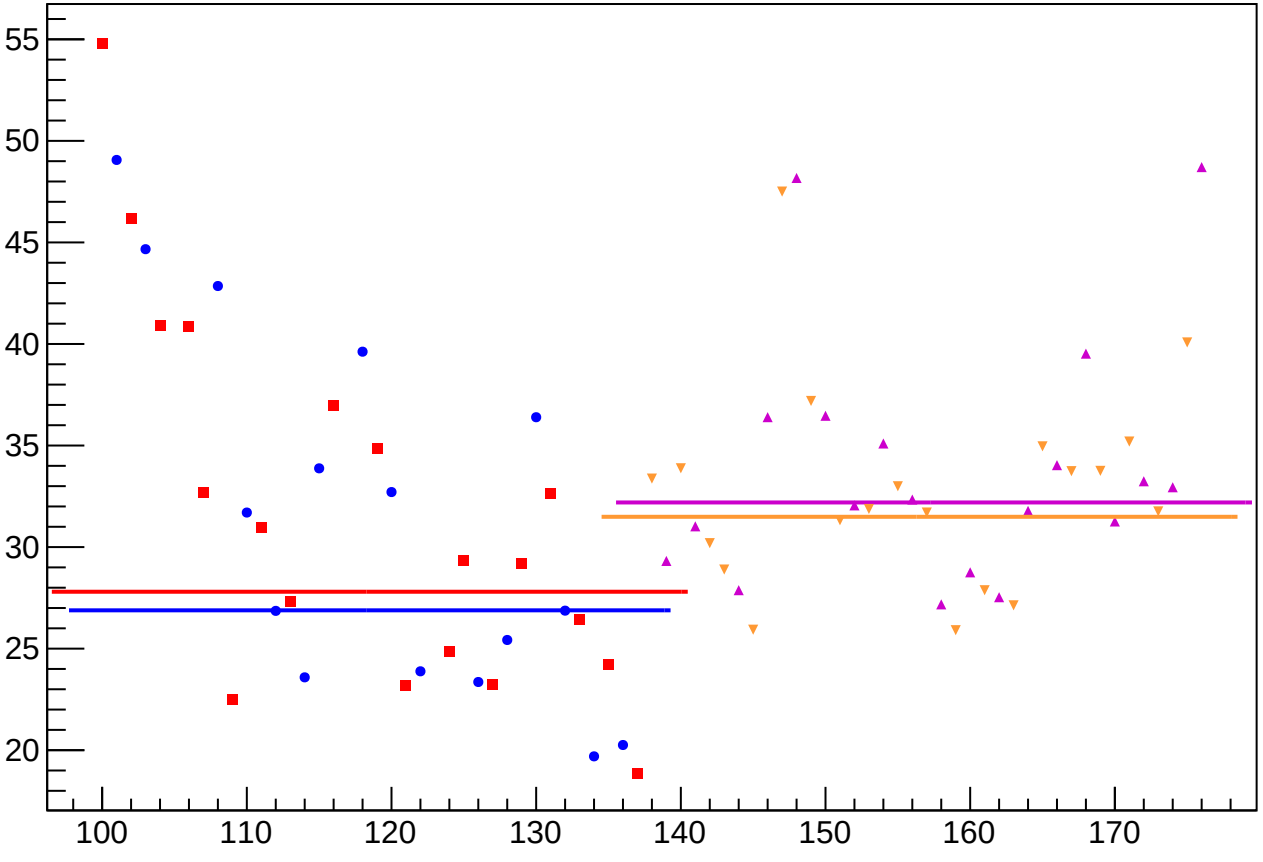
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.3/73

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

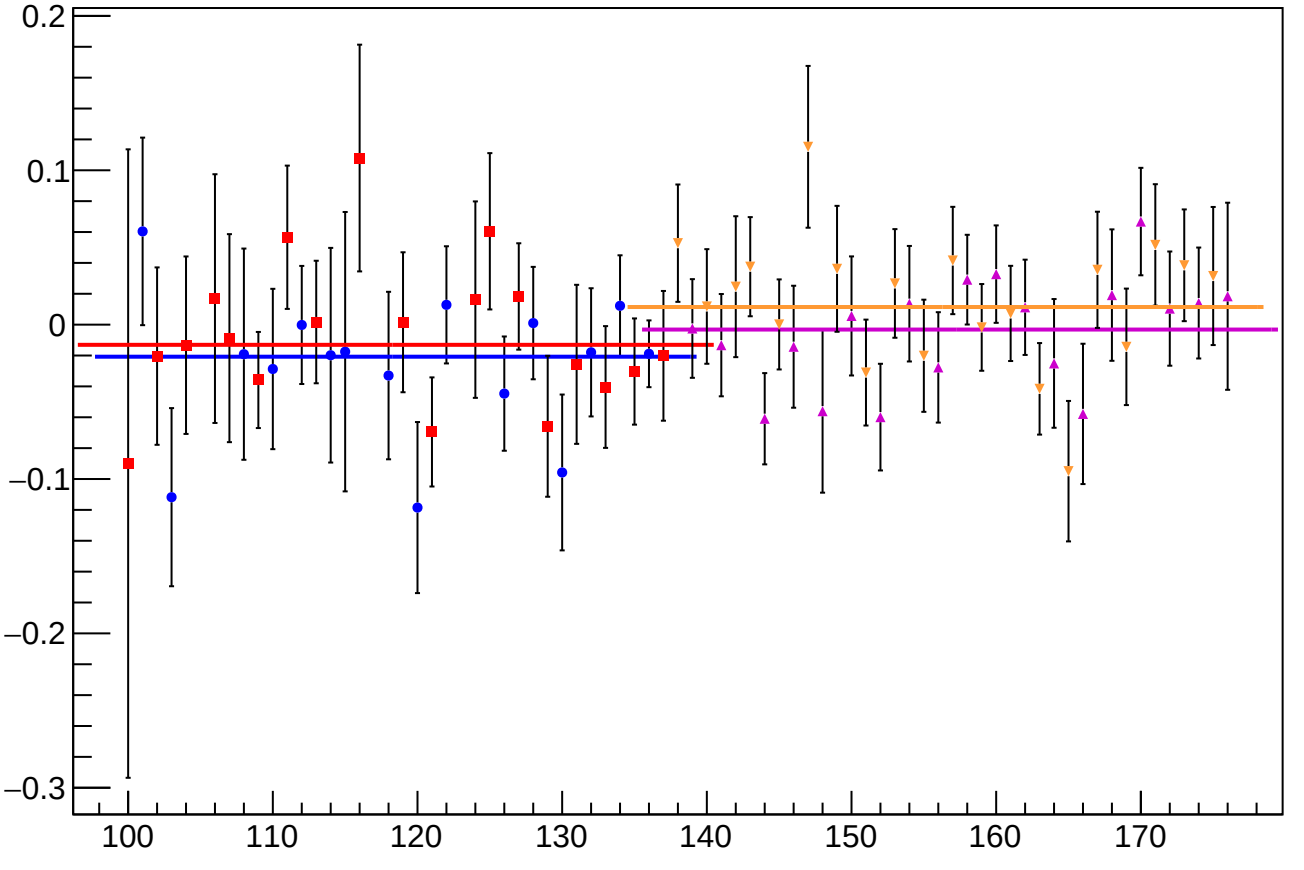
Left: 31.832+/-0.004 χ^2/NDF: 1252722.6/38

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.155+/-0.005 χ^2/NDF:2082913.9/34

Out: 30.137+/-0.005 χ^2/NDF:1515430.8/38

All: 30.146+/-0.003 χ^2/NDF: 3598352.5/73



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

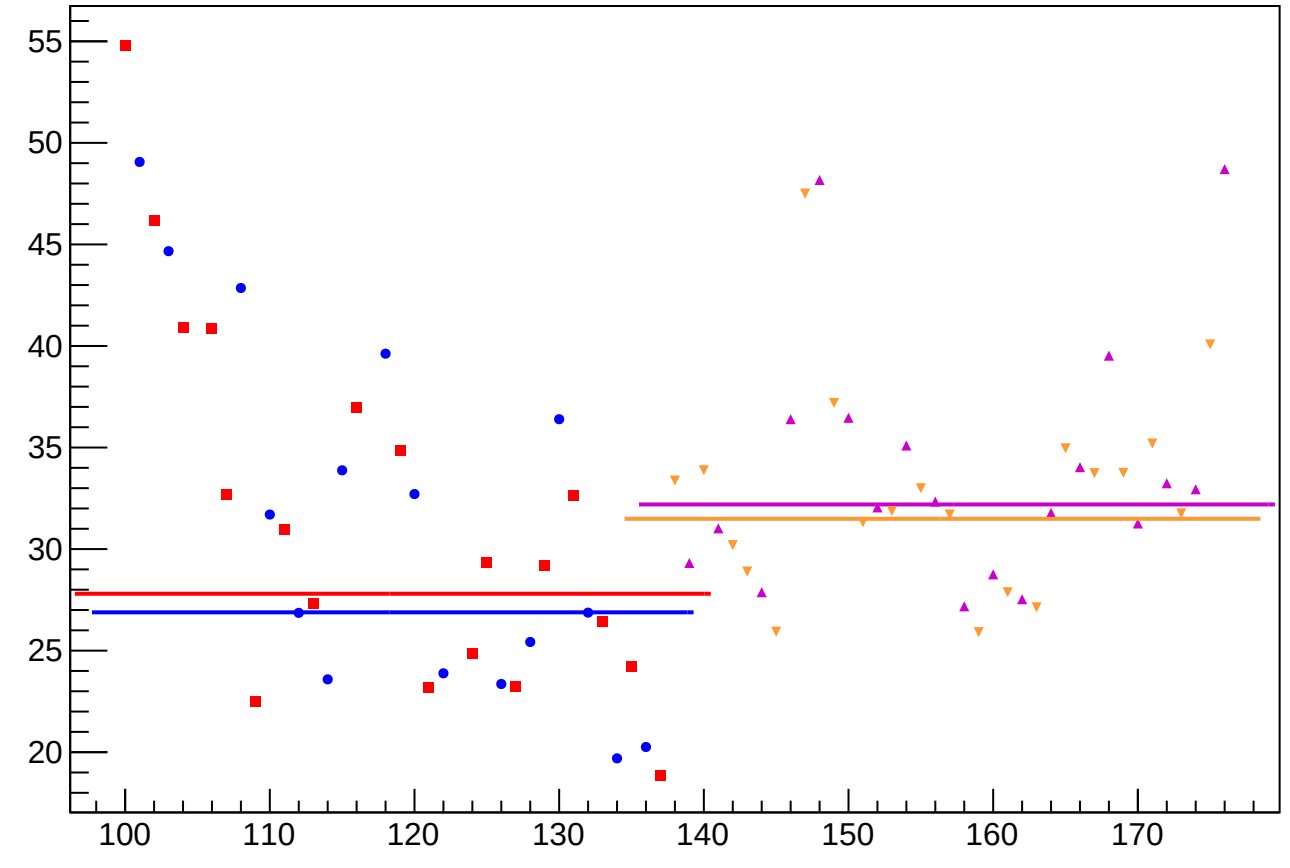
Left: 0.004+/-0.006 χ^2/NDF: 40.5/38

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.3/73



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597292.0/19

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

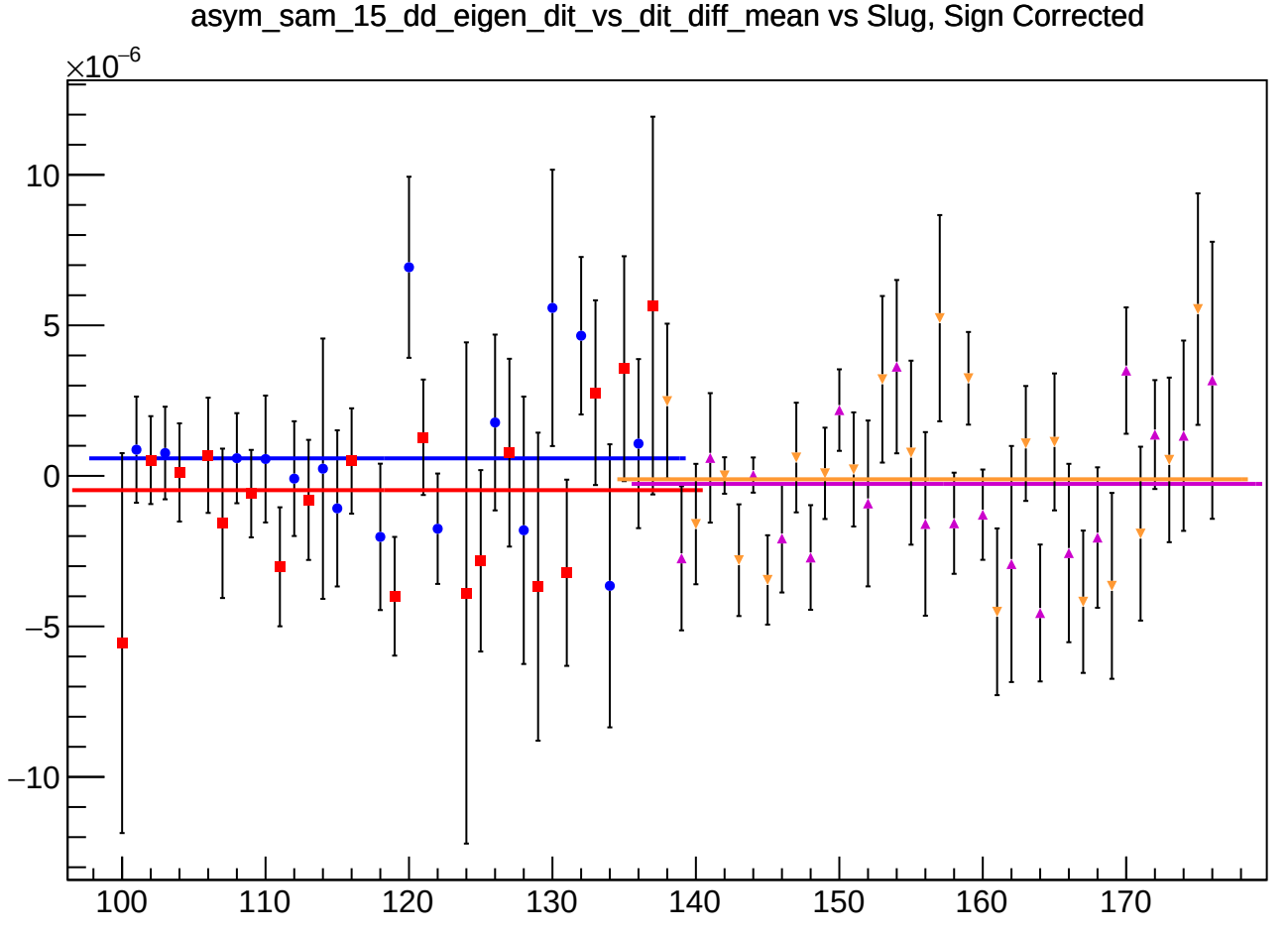
Left: 31.832+/-0.004 χ^2/NDF: 1252722.6/38

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.155+/-0.005 χ^2/NDF:2082913.9/34

Out: 30.137+/-0.005 χ^2/NDF:1515430.8/38

All: 30.146+/-0.003 χ^2/NDF: 3598352.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.0/18

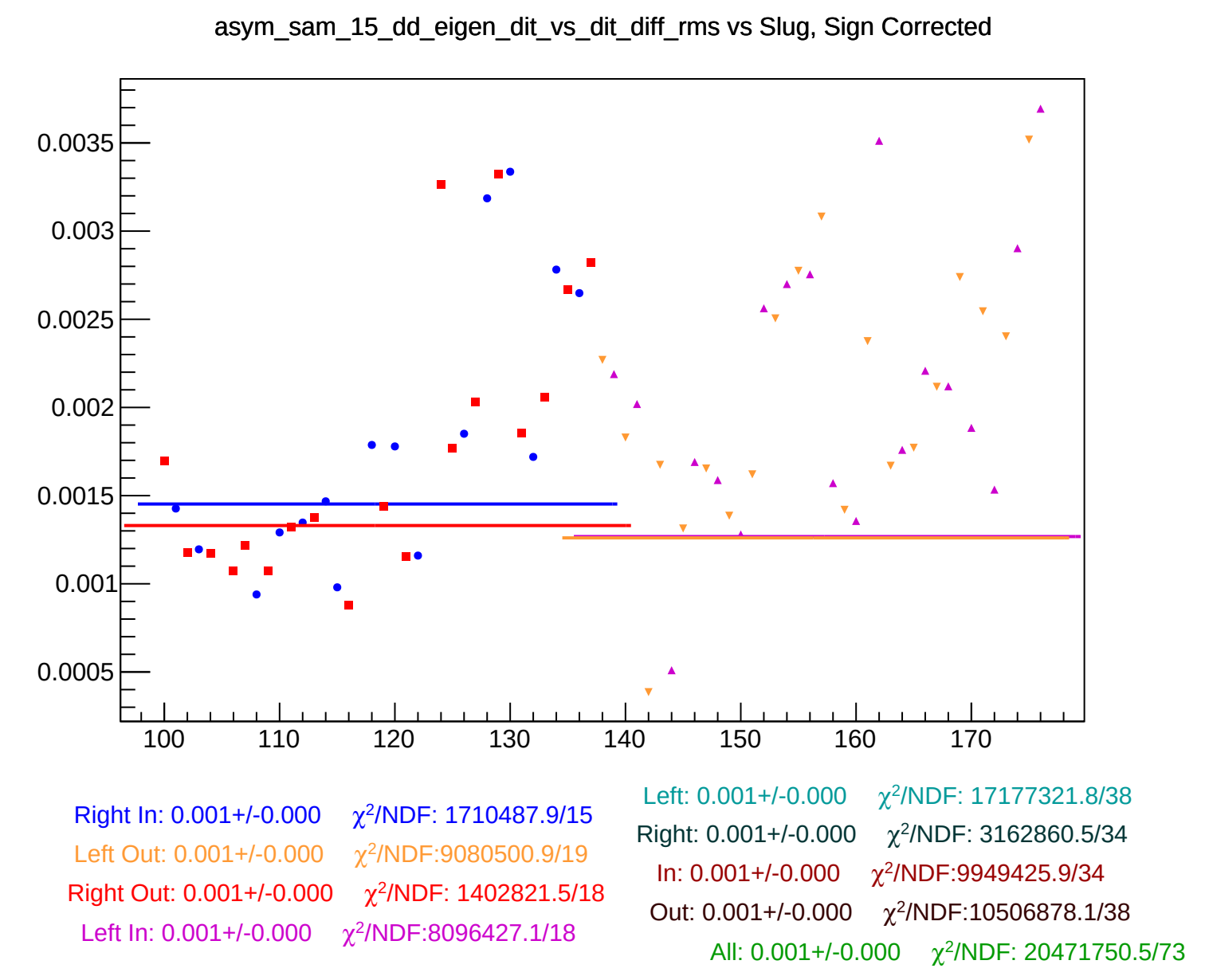
Left: -0.000+/-0.000 χ^2/NDF: 48.8/38

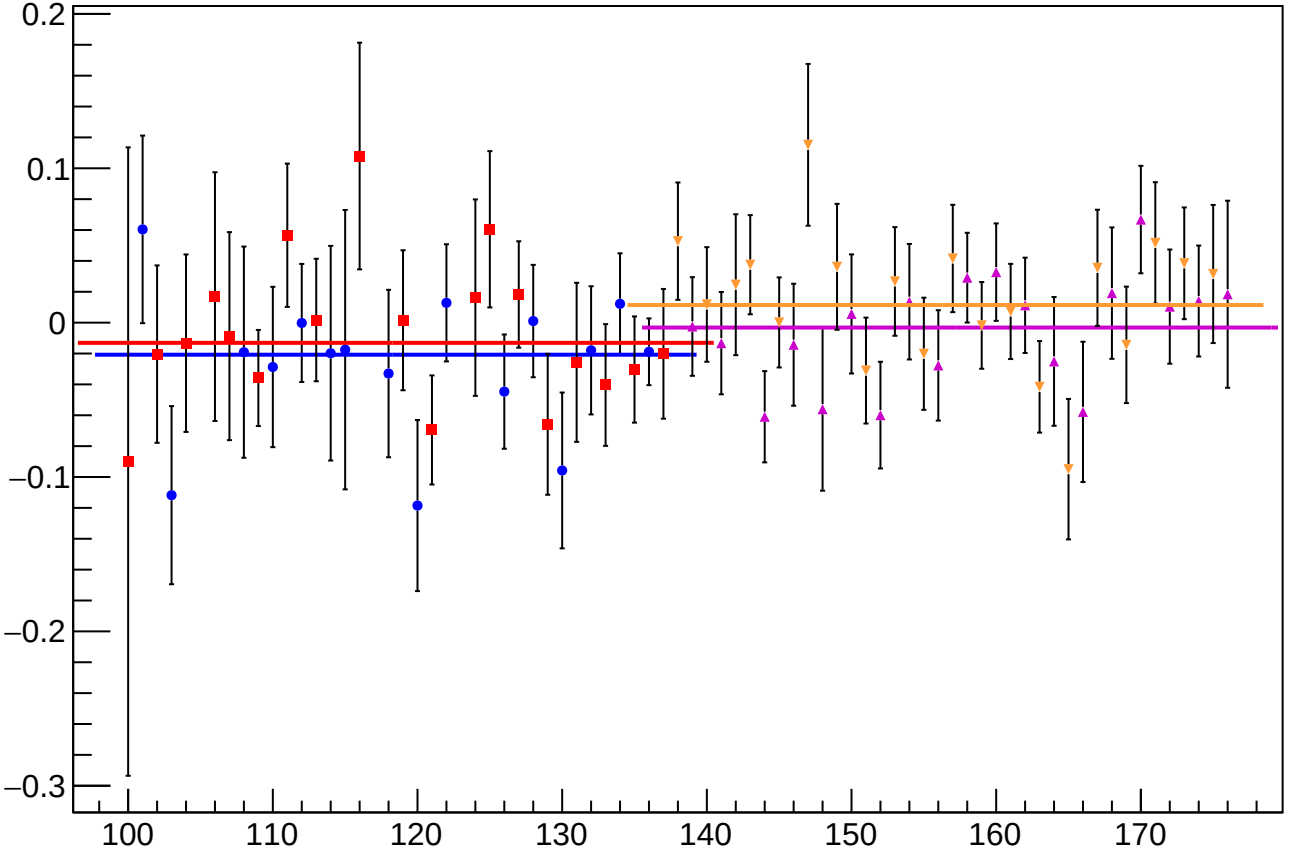
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:35.2/34

Out: -0.000+/-0.000 χ^2/NDF:41.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.8/73


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:9080500.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:8096427.1/18
Left: 0.001+/-0.000 χ²/NDF: 17177321.8/38
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:9949425.9/34
Out: 0.001+/-0.000 χ²/NDF:10506878.1/38
All: 0.001+/-0.000 χ²/NDF: 20471750.5/73



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

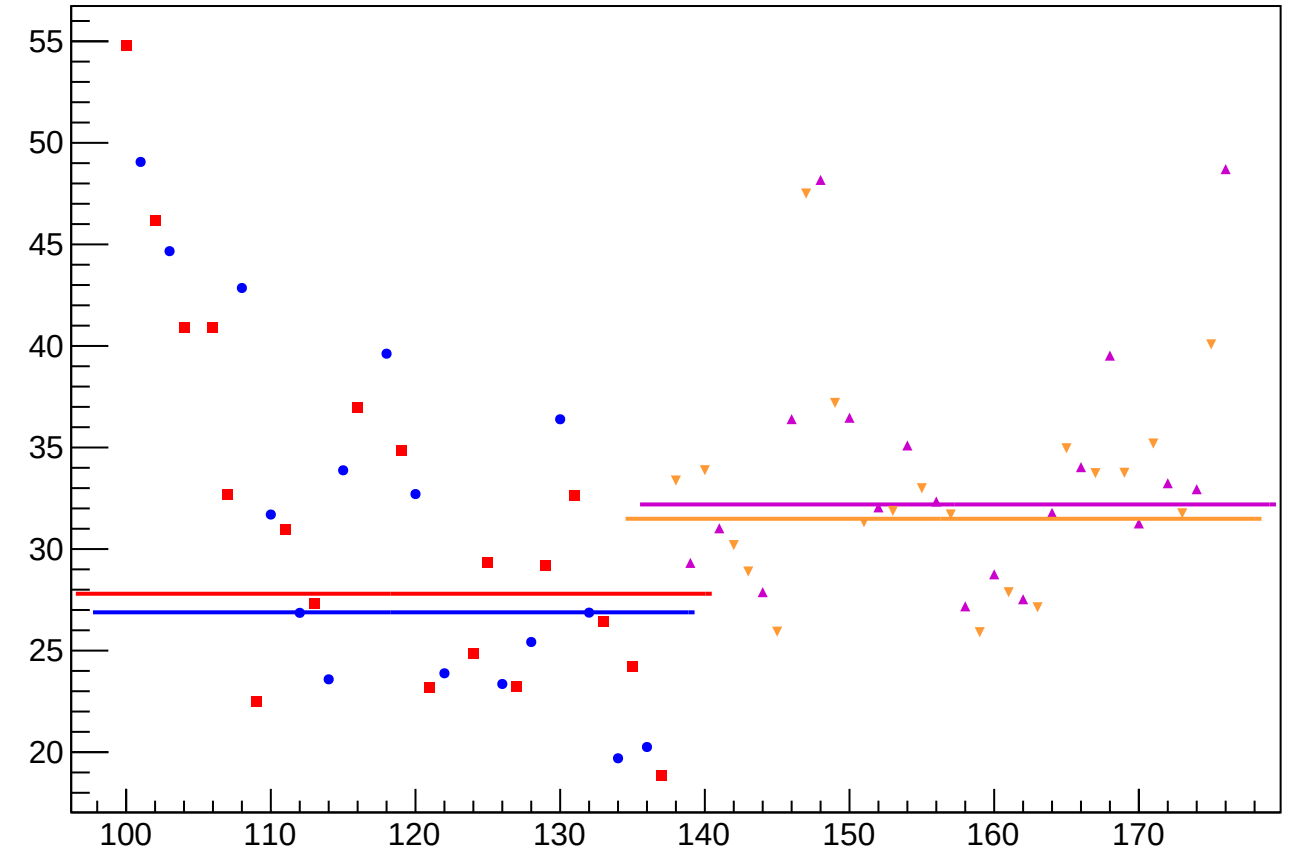
Left: 0.004+/-0.006 χ^2/NDF: 40.5/38

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.3/73



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.197+/-0.006 χ^2/NDF:648047.7/18

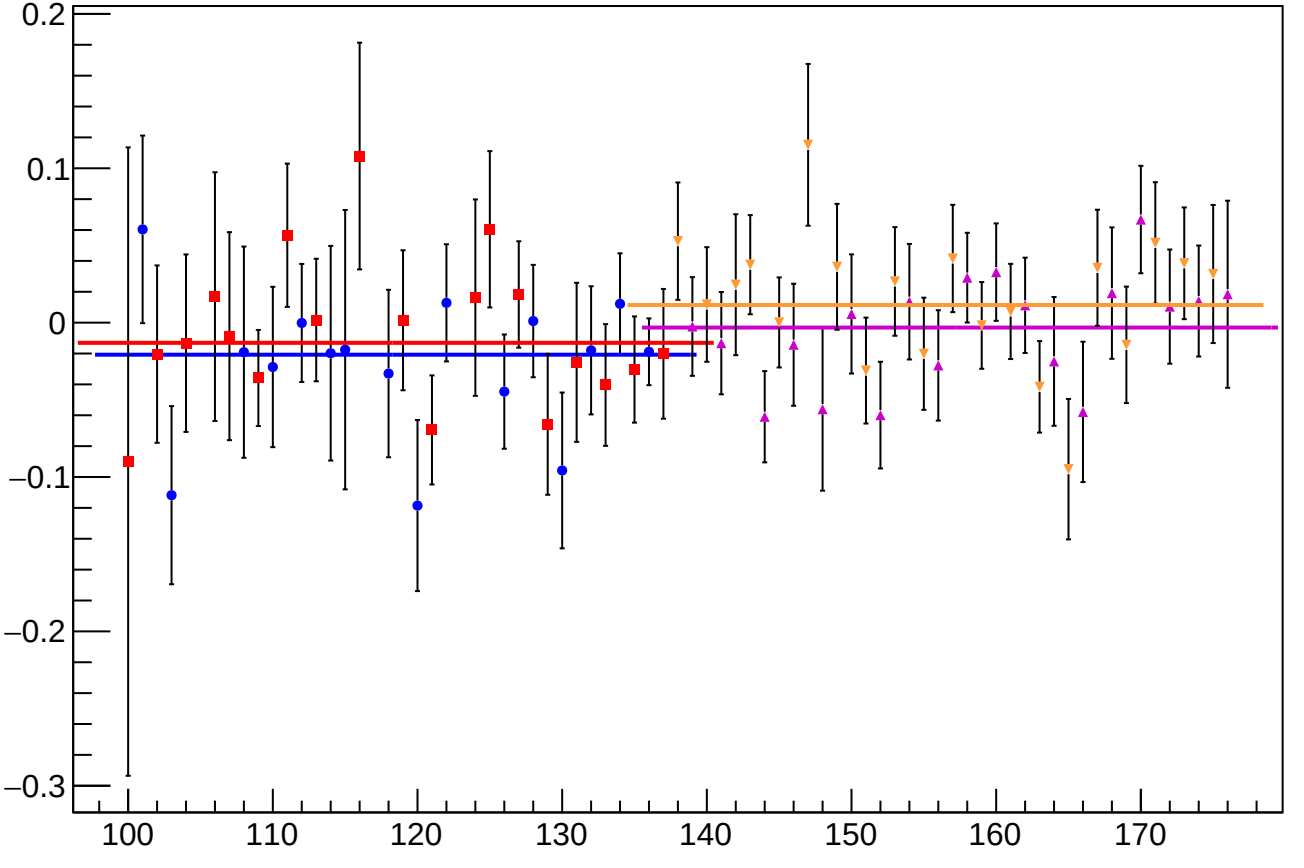
Left: 31.832+/-0.004 χ^2/NDF: 1252931.8/38

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.154+/-0.005 χ^2/NDF:2083122.5/34

Out: 30.136+/-0.005 χ^2/NDF:1515786.1/38

All: 30.145+/-0.003 χ^2/NDF: 3598916.6/73



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/19

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

Left: 0.004+/-0.006 χ^2/NDF: 40.5/38

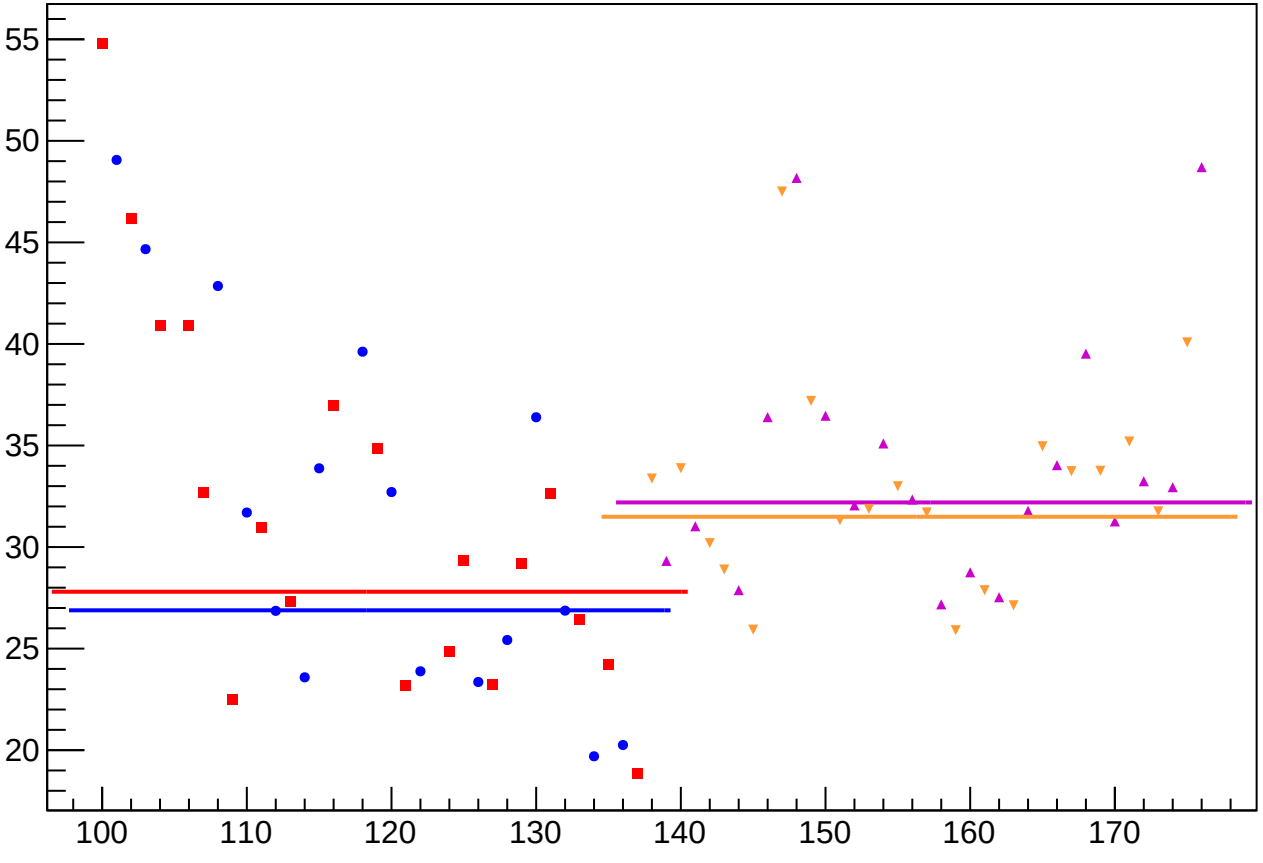
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/38

All: -0.004+/-0.005 χ^2/NDF: 72.3/73

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.491+/-0.006 χ^2/NDF:597421.0/19

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.197+/-0.006 χ^2/NDF:648047.7/18

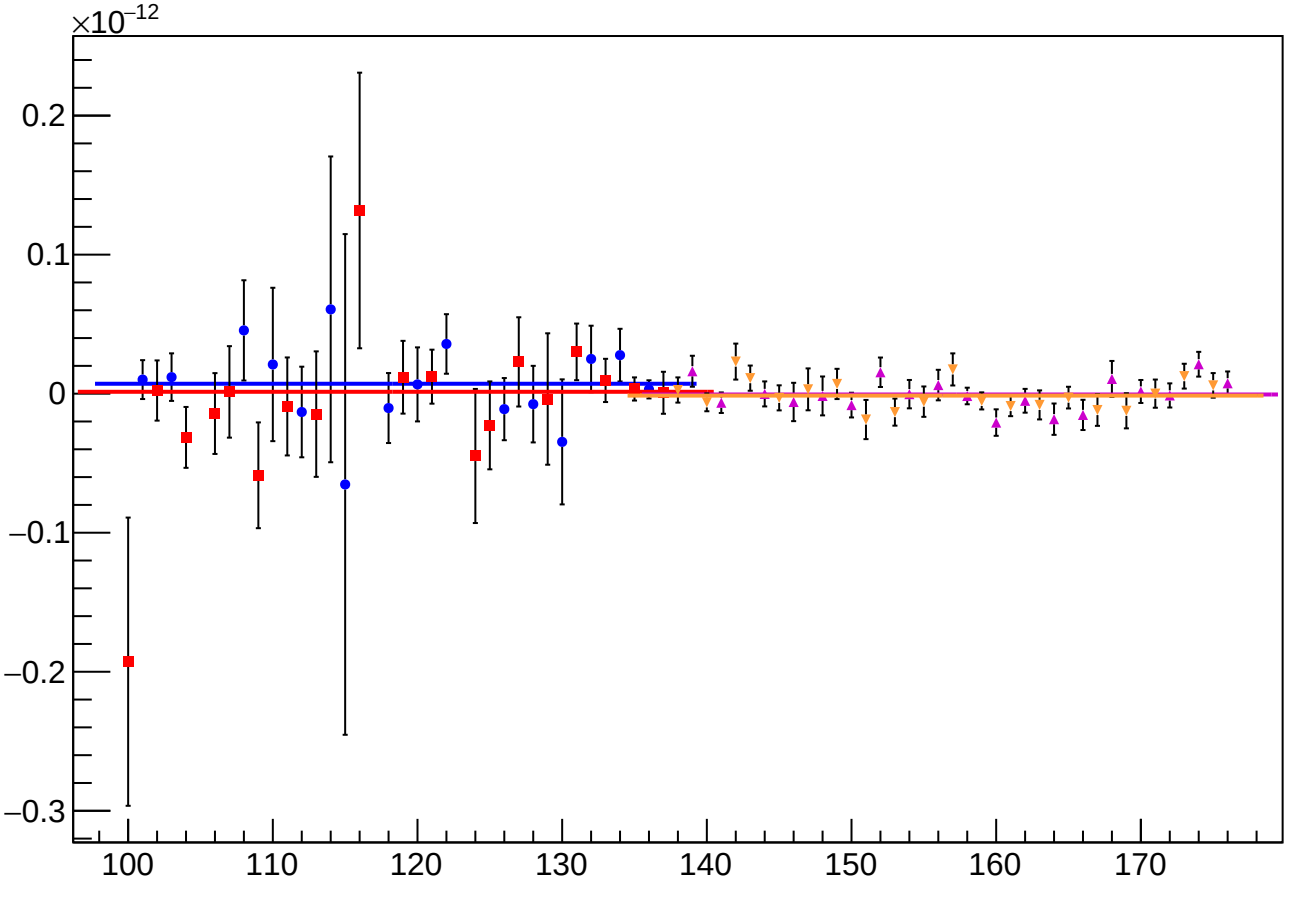
Left: 31.832+/-0.004 χ^2/NDF: 1252931.8/38

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.154+/-0.005 χ^2/NDF:2083122.5/34

Out: 30.136+/-0.005 χ^2/NDF:1515786.1/38

All: 30.145+/-0.003 χ^2/NDF: 3598916.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/18

Left: -0.000+/-0.000 χ^2/NDF: 42.7/38

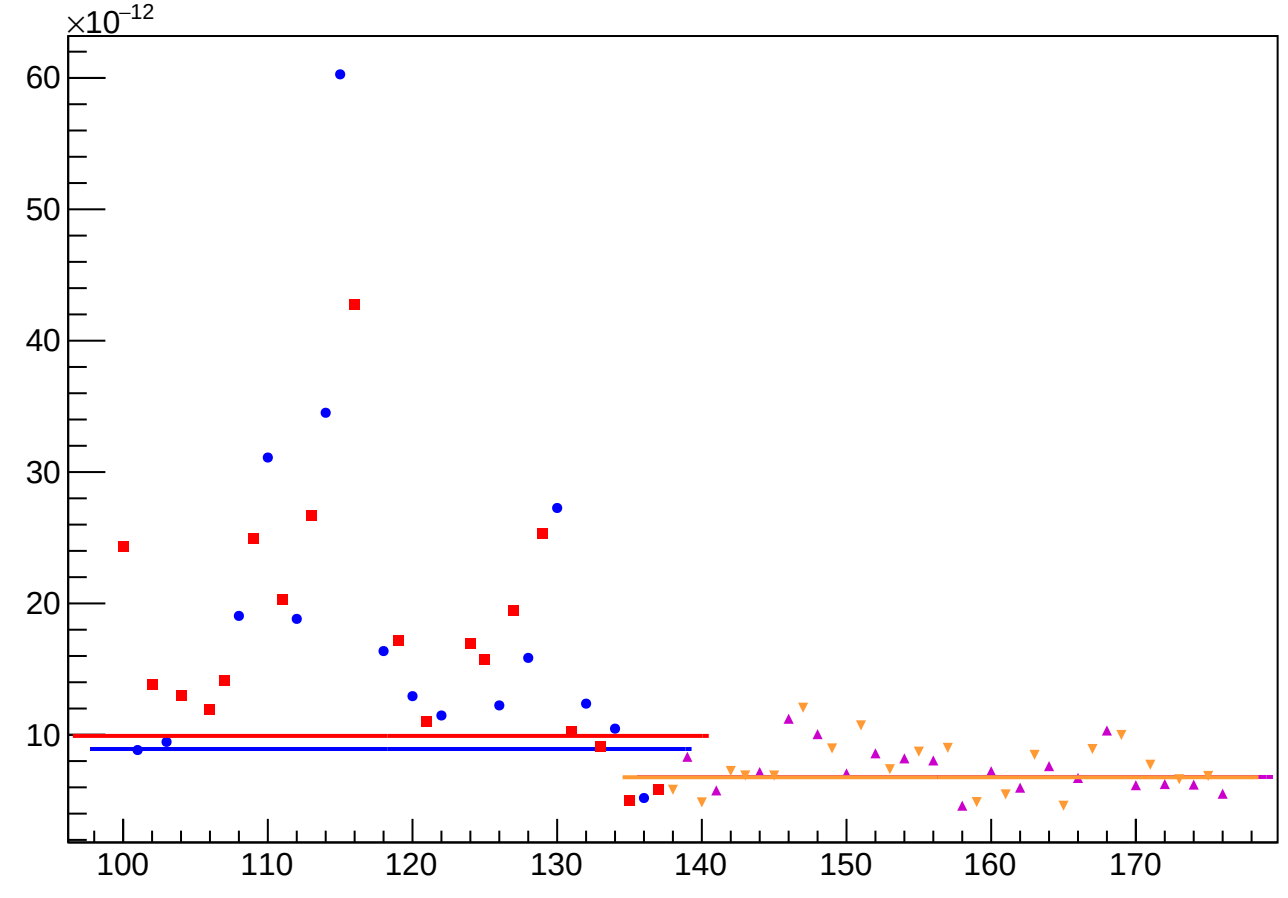
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:34.9/38

All: -0.000+/-0.000 χ^2/NDF: 69.2/73

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1516381.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1043550.7/18

Left: 0.000+/-0.000 χ^2/NDF: 2560029.5/38

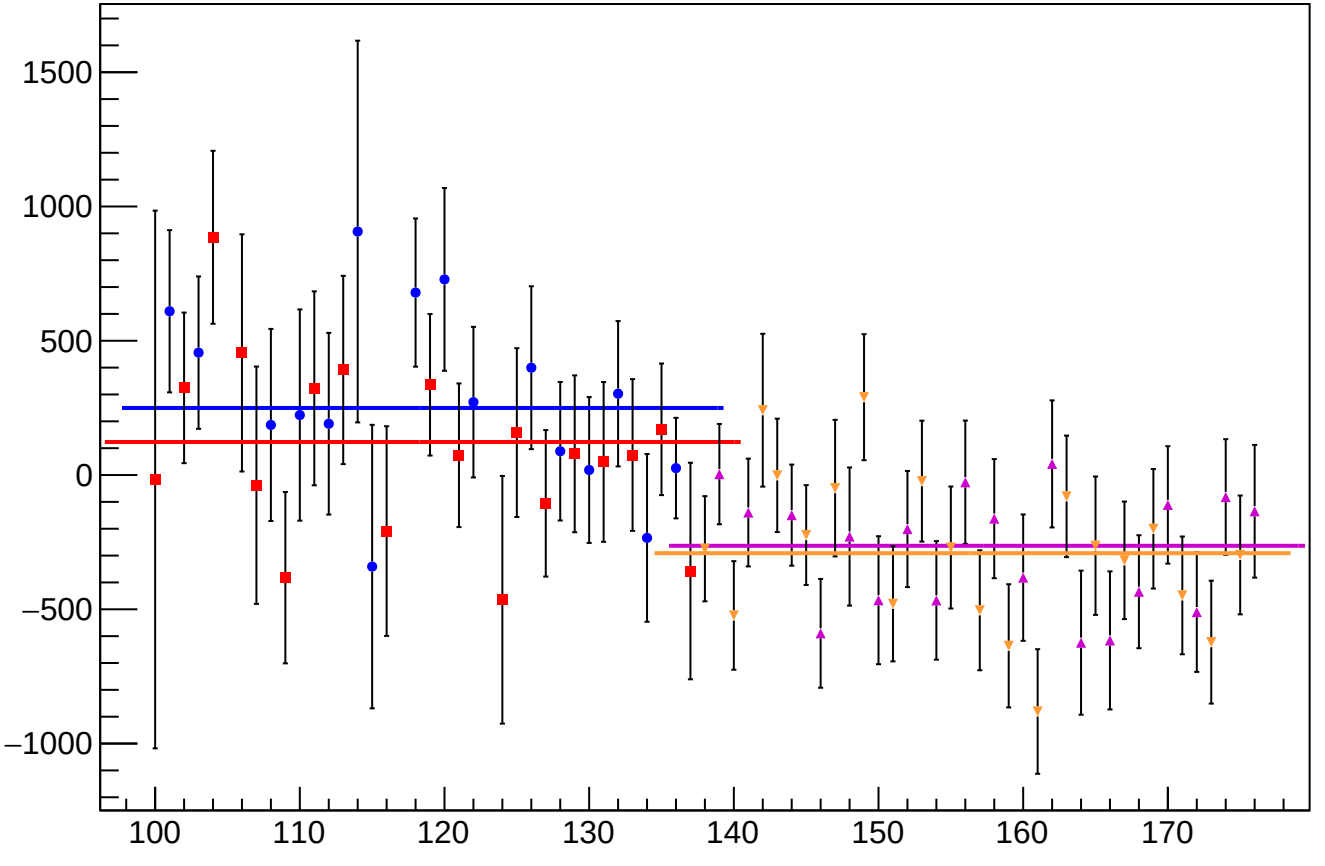
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3801422.0/34

Out: 0.000+/-0.000 χ^2/NDF:4873735.3/38

All: 0.000+/-0.000 χ^2/NDF: 8676444.7/73

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.010+/-49.852 χ^2/NDF:29.4/19

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -263.535+/-50.863 χ^2/NDF:17.3/18

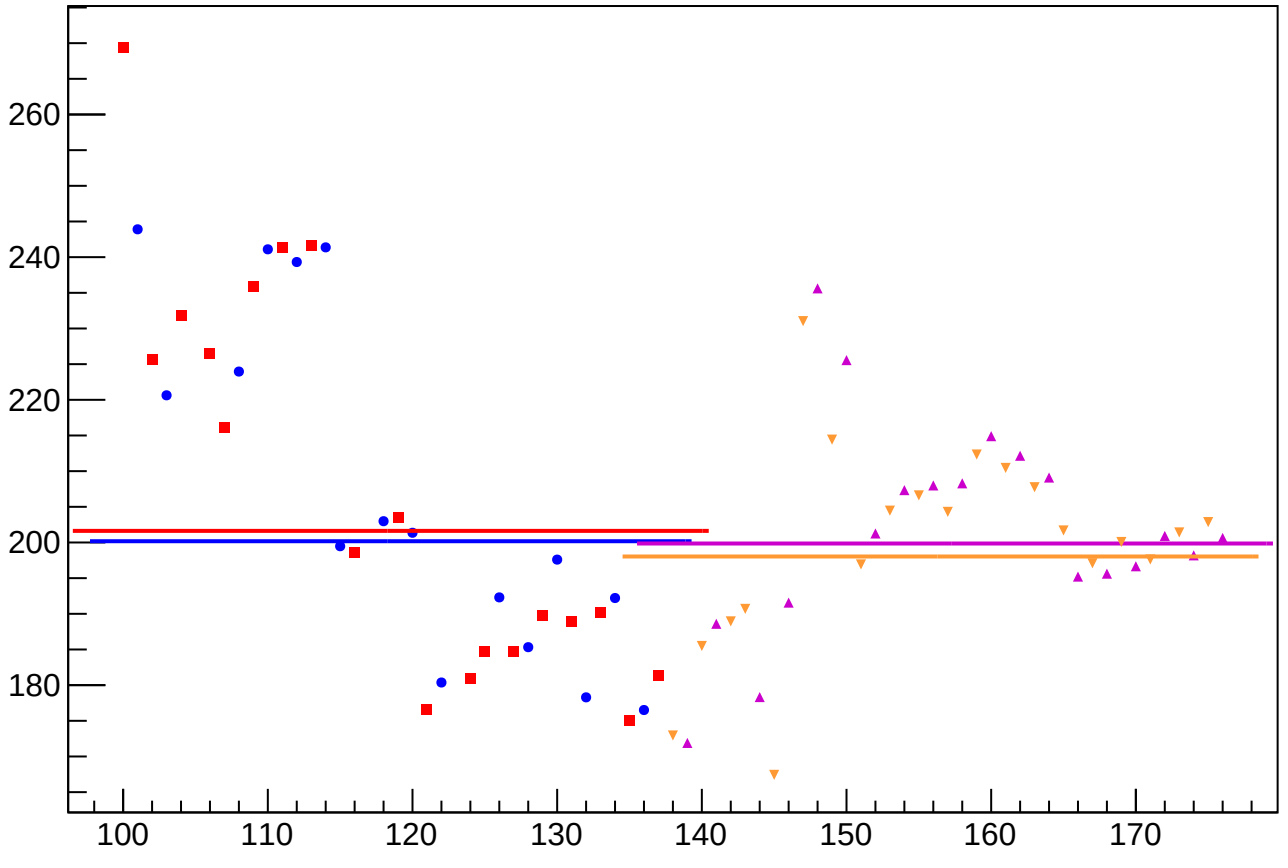
Left: -277.549+/-35.603 χ^2/NDF: 46.8/38

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -101.468+/-42.074 χ^2/NDF:63.2/34

Out: -162.659+/-41.409 χ^2/NDF:66.3/38

All: -132.551+/-29.513 χ^2/NDF: 130.6/73



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

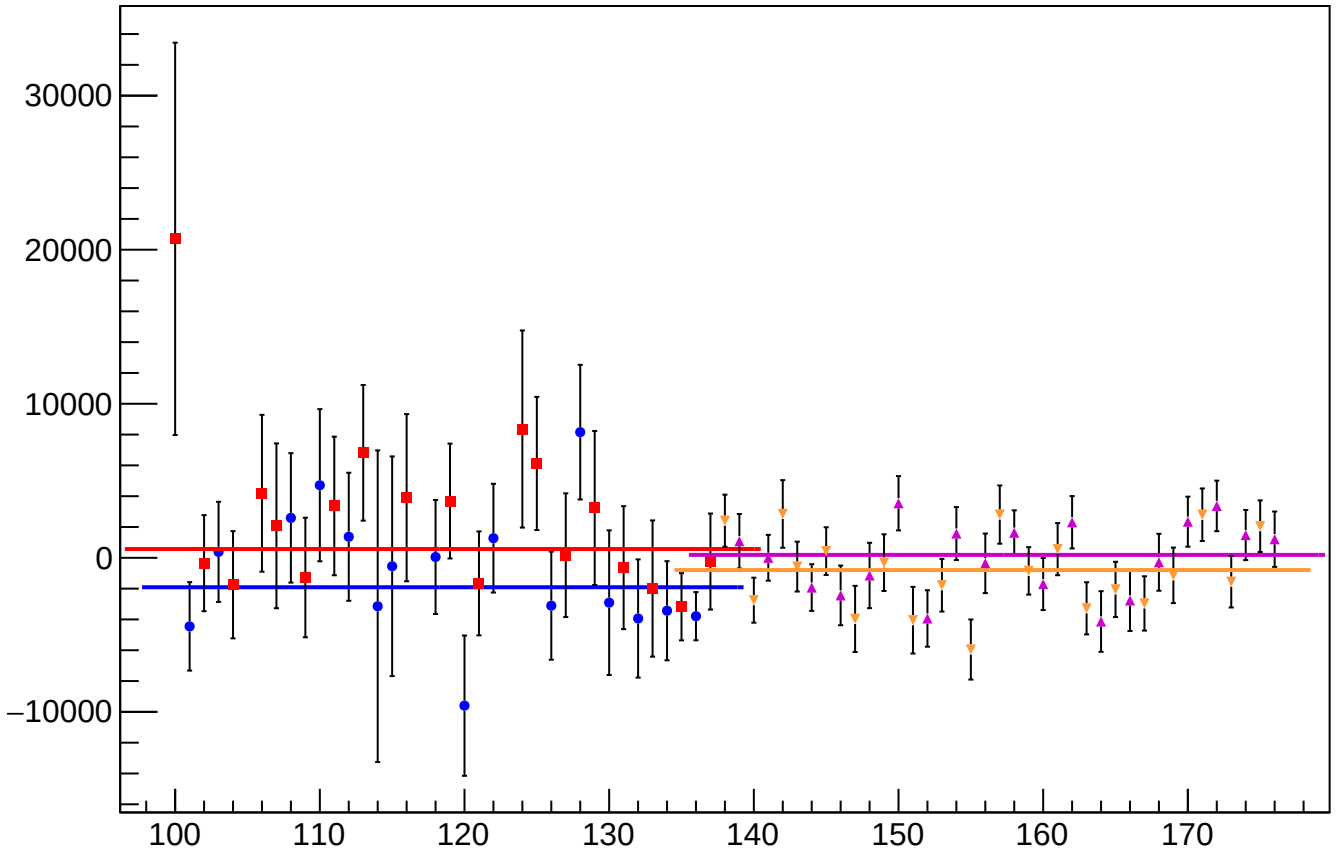
Left: 198.928+/-0.025 χ^2/NDF: 337622.8/38

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.958+/-0.030 χ^2/NDF:349377.0/34

Out: 199.149+/-0.029 χ^2/NDF:368428.5/38

All: 199.547+/-0.021 χ^2/NDF: 718181.3/73



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 189.681+/-397.392 χ^2/NDF:31.2/18

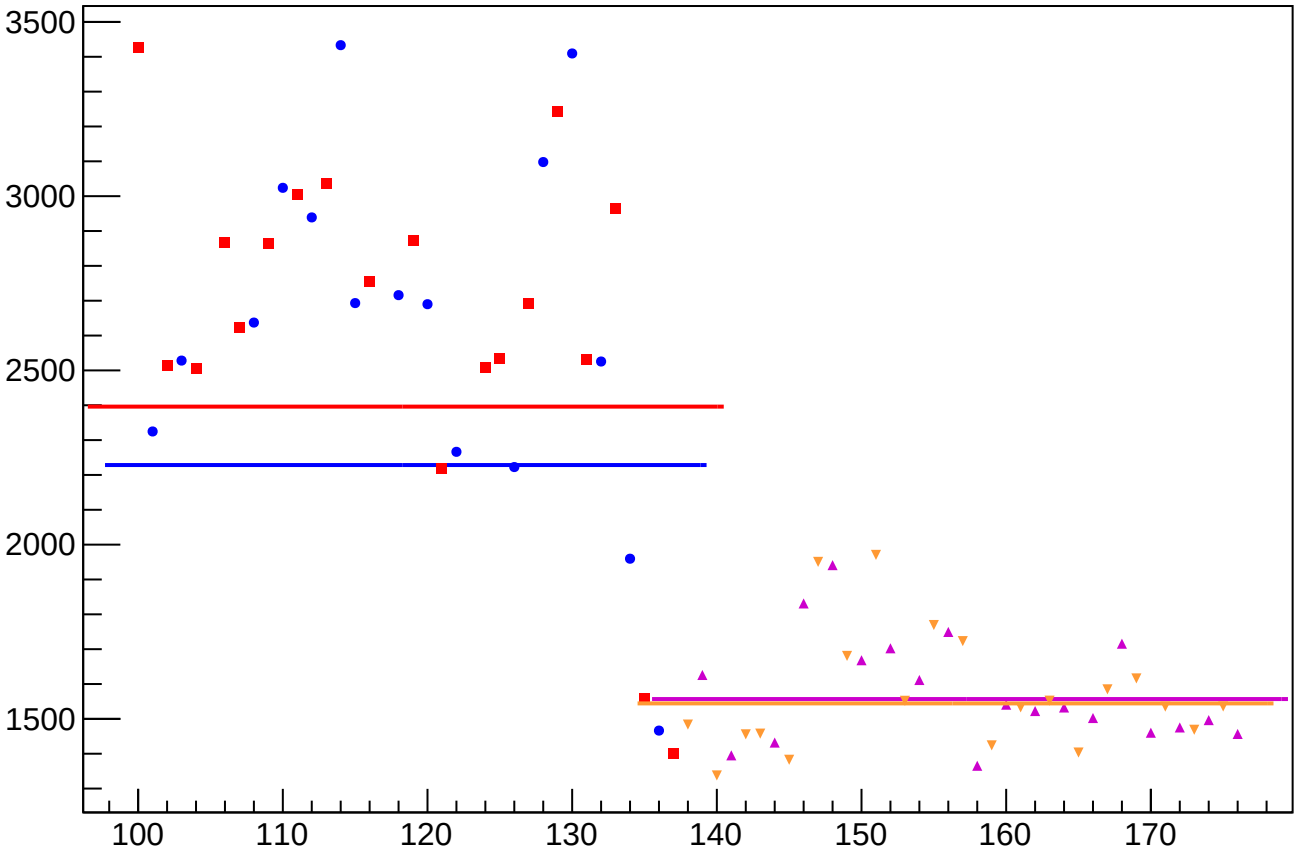
Left: -311.189+/-278.566 χ^2/NDF: 71.0/38

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -180.470+/-360.673 χ^2/NDF:52.4/34

Out: -578.750+/-358.339 χ^2/NDF:53.2/38

All: -380.903+/-254.205 χ^2/NDF: 106.2/73



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.377+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1556.885+/-0.281 χ^2/NDF:261563.3/18

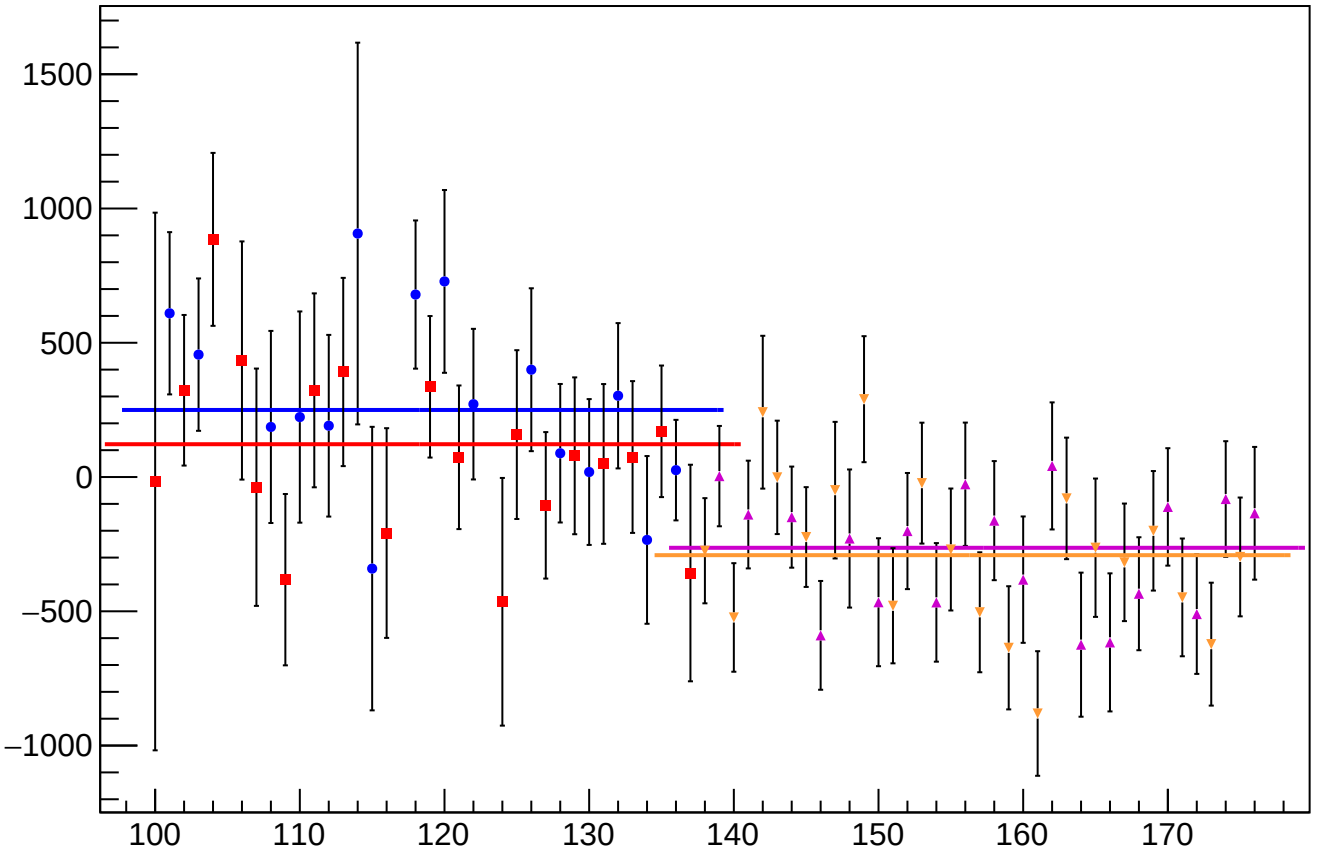
Left: 1550.523+/-0.197 χ^2/NDF: 573921.2/38

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1675.252+/-0.255 χ^2/NDF:2215911.2/34

Out: 1679.260+/-0.253 χ^2/NDF:2616731.7/38

All: 1677.269+/-0.180 χ^2/NDF: 4832767.3/73



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.007+/-49.852 χ^2/NDF:29.4/19

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -263.540+/-50.863 χ^2/NDF:17.3/18

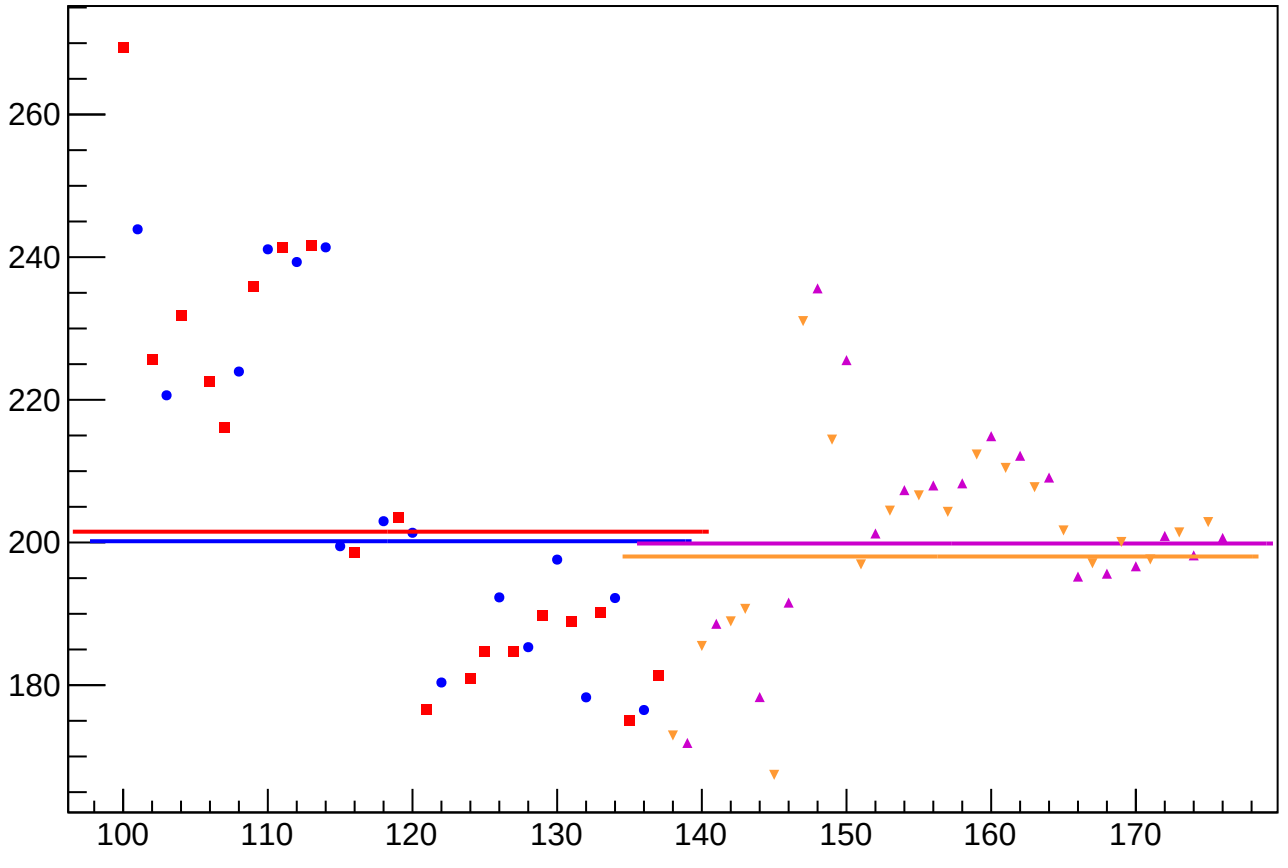
Left: -277.550+/-35.603 χ^2/NDF: 46.8/38

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.470+/-42.074 χ^2/NDF:63.2/34

Out: -162.924+/-41.411 χ^2/NDF:66.1/38

All: -132.685+/-29.514 χ^2/NDF: 130.4/73



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

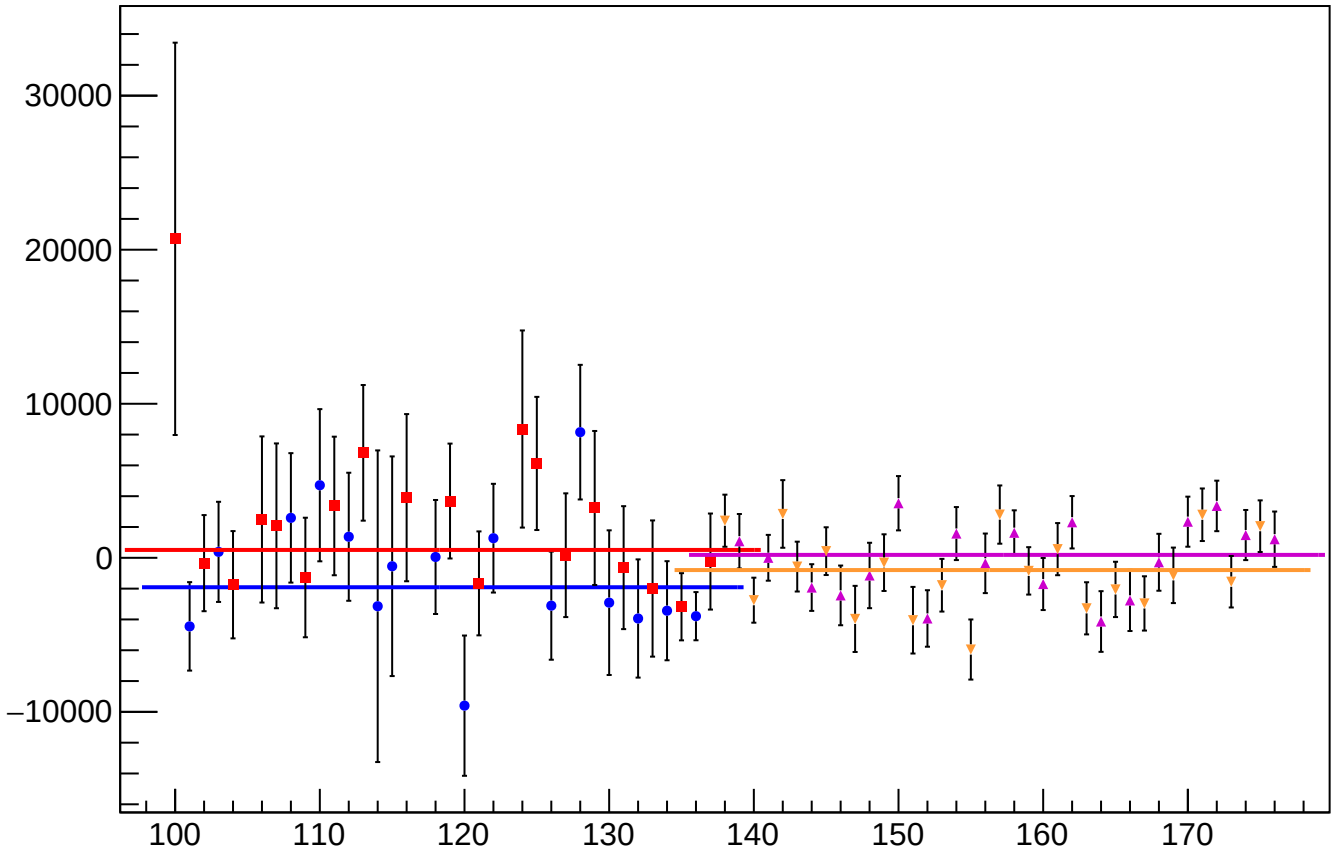
Left: 198.928+/-0.025 χ^2/NDF: 337622.8/38

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.958+/-0.030 χ^2/NDF:349377.3/34

Out: 199.113+/-0.029 χ^2/NDF:366414.4/38

All: 199.529+/-0.021 χ^2/NDF: 716200.9/73



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 189.682+/-397.392 χ^2/NDF:31.2/18

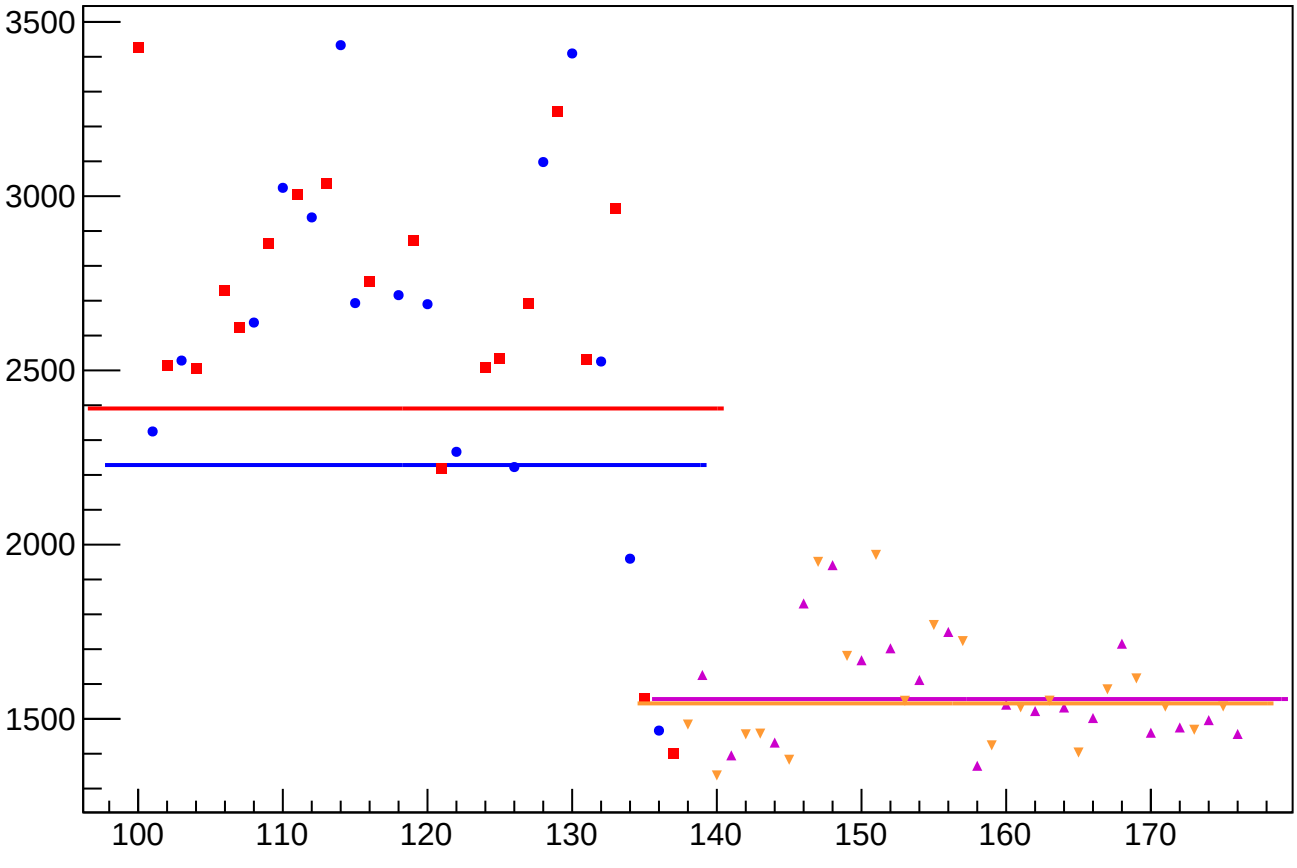
Left: -311.188+/-278.566 χ^2/NDF: 71.0/38

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -180.461+/-360.674 χ^2/NDF:52.4/34

Out: -588.802+/-358.437 χ^2/NDF:52.6/38

All: -385.902+/-254.240 χ^2/NDF: 105.7/73



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

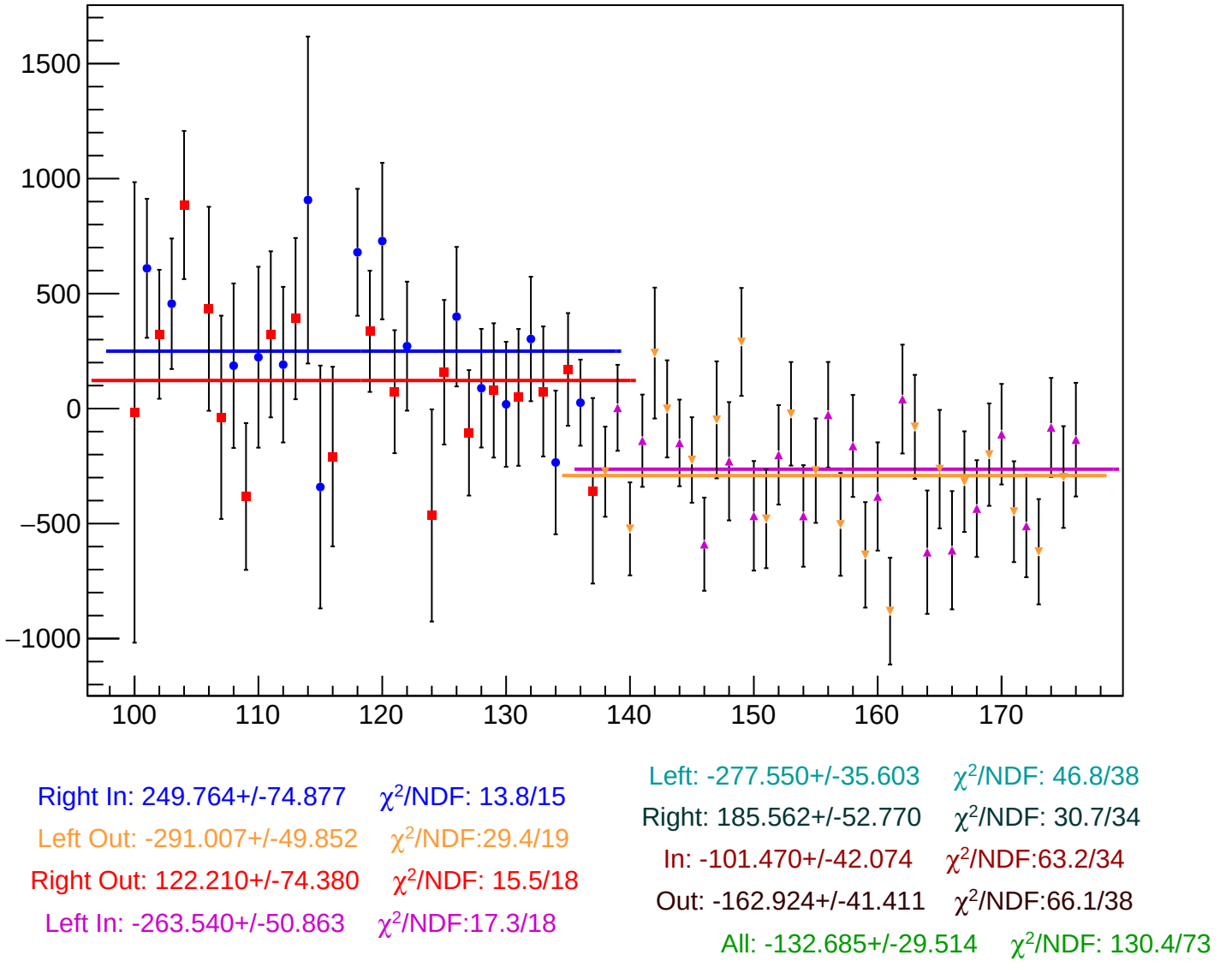
Left: 1550.524+/-0.197 χ^2/NDF: 573923.1/38

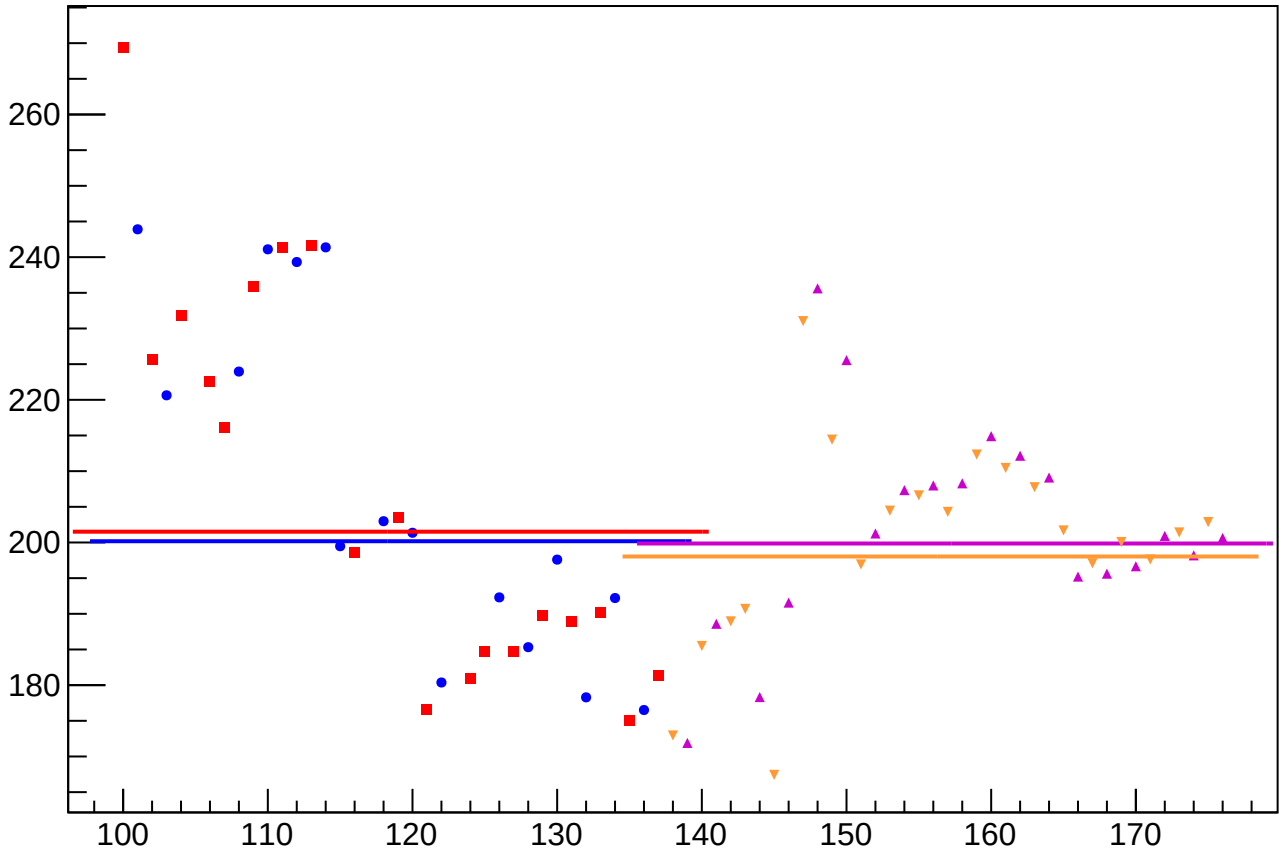
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1675.252+/-0.255 χ^2/NDF:2215925.1/34

Out: 1678.022+/-0.253 χ^2/NDF:2584101.3/38

All: 1676.646+/-0.180 χ^2/NDF: 4800085.8/73


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: -291.007+/-49.852 χ²/NDF:29.4/19
Right Out: 122.210+/-74.380 χ²/NDF: 15.5/18
Left In: -263.540+/-50.863 χ²/NDF:17.3/18
Left: -277.550+/-35.603 χ²/NDF: 46.8/38
Right: 185.562+/-52.770 χ²/NDF: 30.7/34
In: -101.470+/-42.074 χ²/NDF:63.2/34
Out: -162.924+/-41.411 χ²/NDF:66.1/38
All: -132.685+/-29.514 χ²/NDF: 130.4/73



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.035+/-0.035 χ^2/NDF:167963.5/19

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

Left: 198.928+/-0.025 χ^2/NDF: 337622.8/38

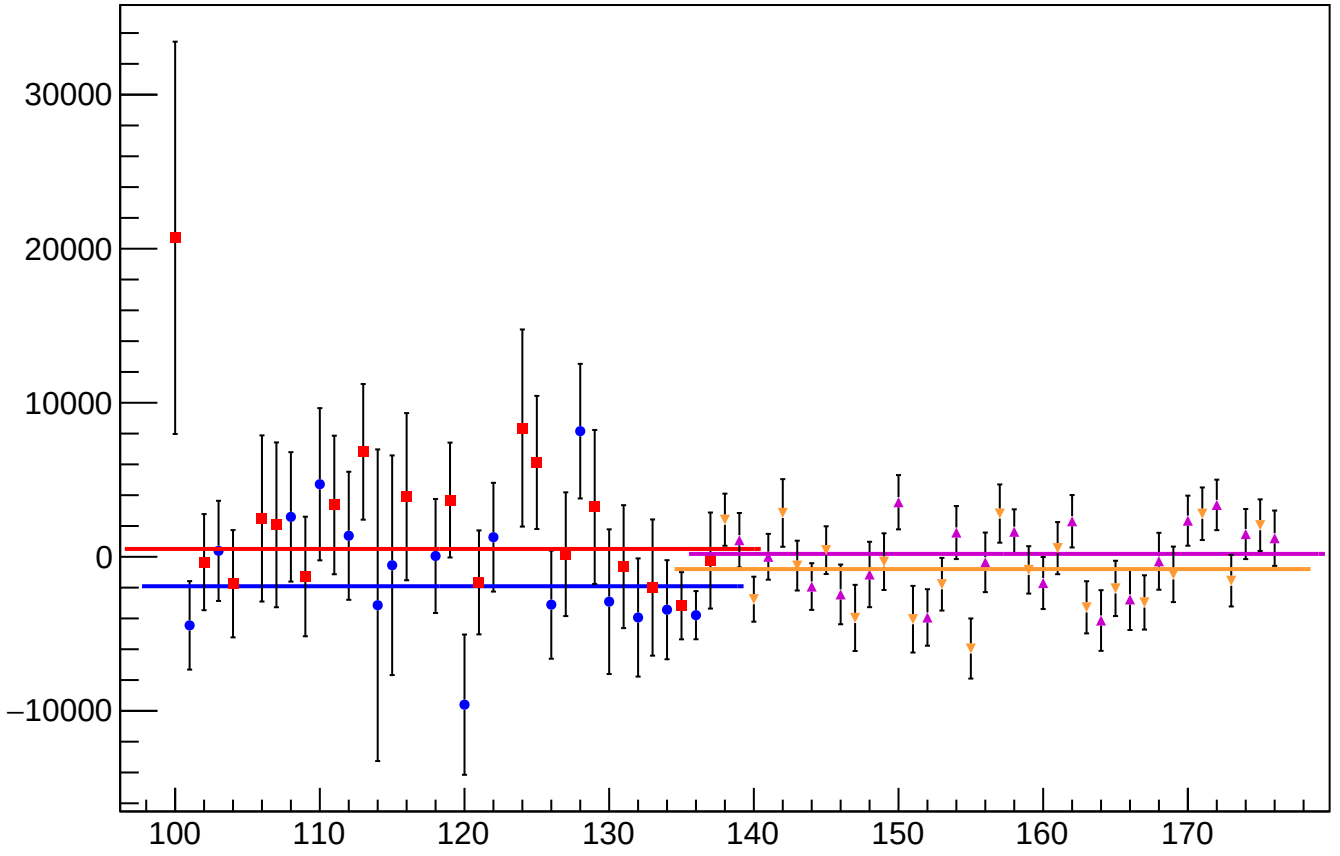
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.958+/-0.030 χ^2/NDF:349377.3/34

Out: 199.113+/-0.029 χ^2/NDF:366414.4/38

All: 199.529+/-0.021 χ^2/NDF: 716200.9/73

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: -795.085+/-390.600 χ^2/NDF:36.6/19

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 189.682+/-397.392 χ^2/NDF:31.2/18

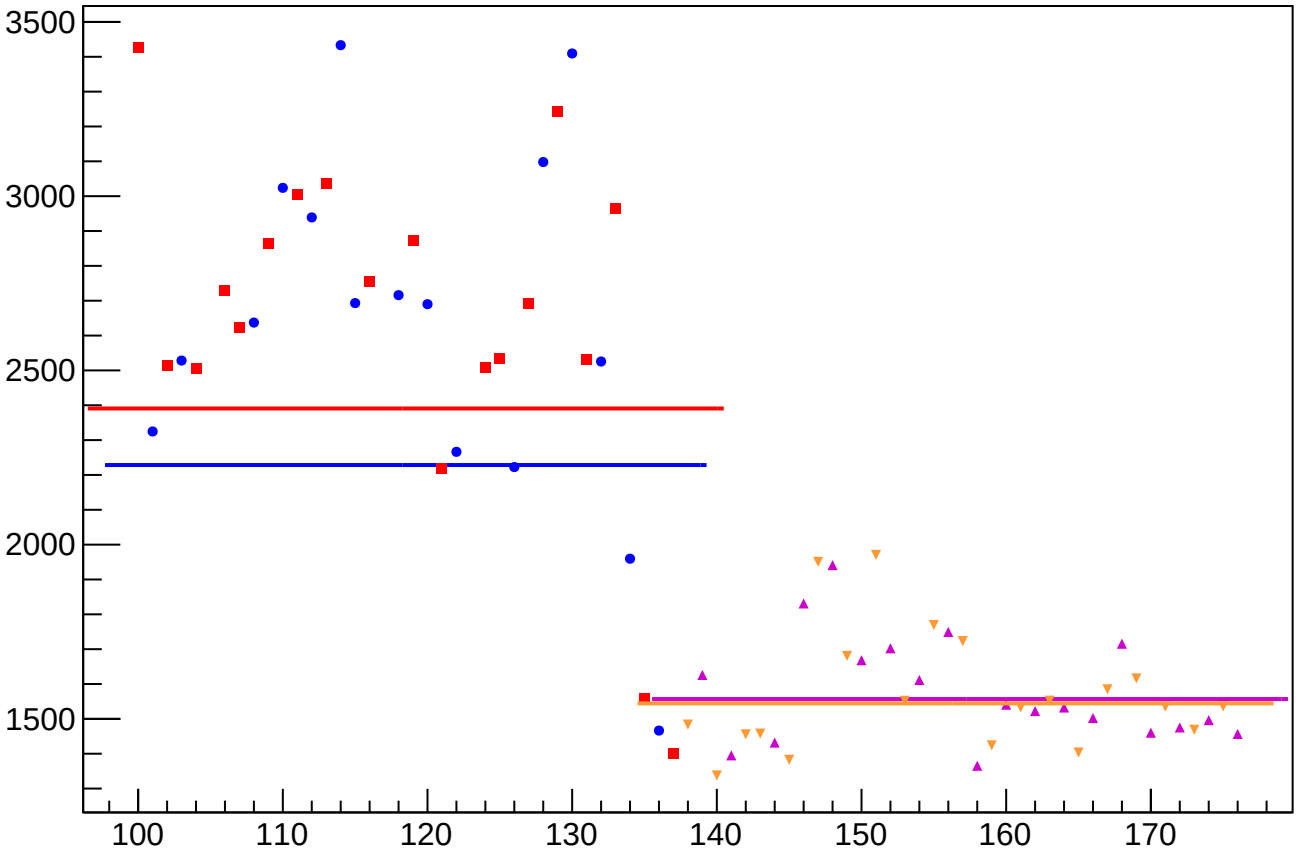
Left: -311.188+/-278.566 χ^2/NDF: 71.0/38

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -180.461+/-360.674 χ^2/NDF:52.4/34

Out: -588.802+/-358.437 χ^2/NDF:52.6/38

All: -385.902+/-254.240 χ^2/NDF: 105.7/73



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.378+/-0.276 χ^2/NDF:311350.2/19

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

Left: 1550.524+/-0.197 χ^2/NDF: 573923.1/38

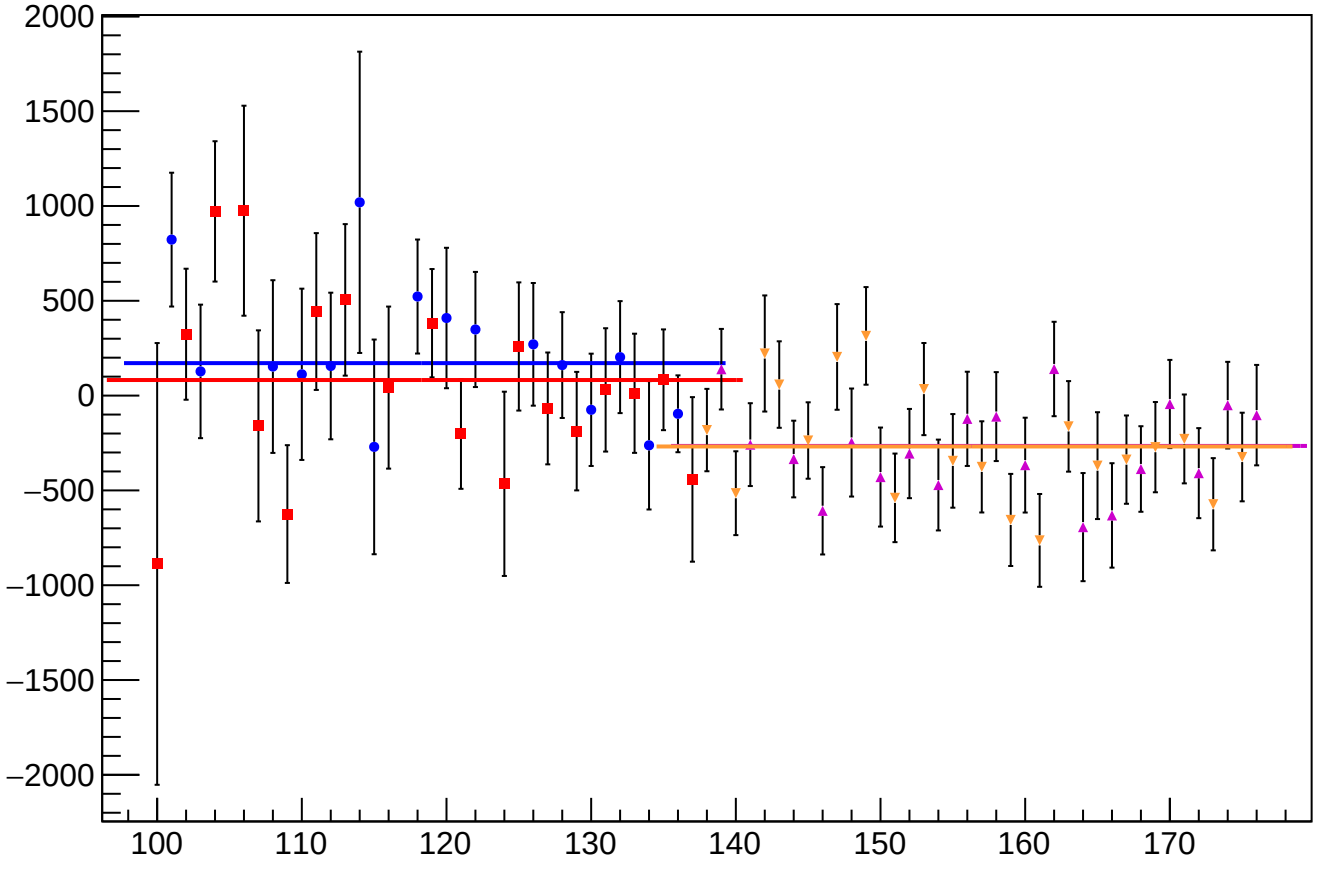
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1675.252+/-0.255 χ^2/NDF:2215925.1/34

Out: 1678.022+/-0.253 χ^2/NDF:2584101.3/38

All: 1676.646+/-0.180 χ^2/NDF: 4800085.8/73

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -268.370+/-53.728 χ^2/NDF:25.9/19

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -265.440+/-55.035 χ^2/NDF:17.6/18

Left: -266.940+/-38.445 χ^2/NDF: 43.5/38

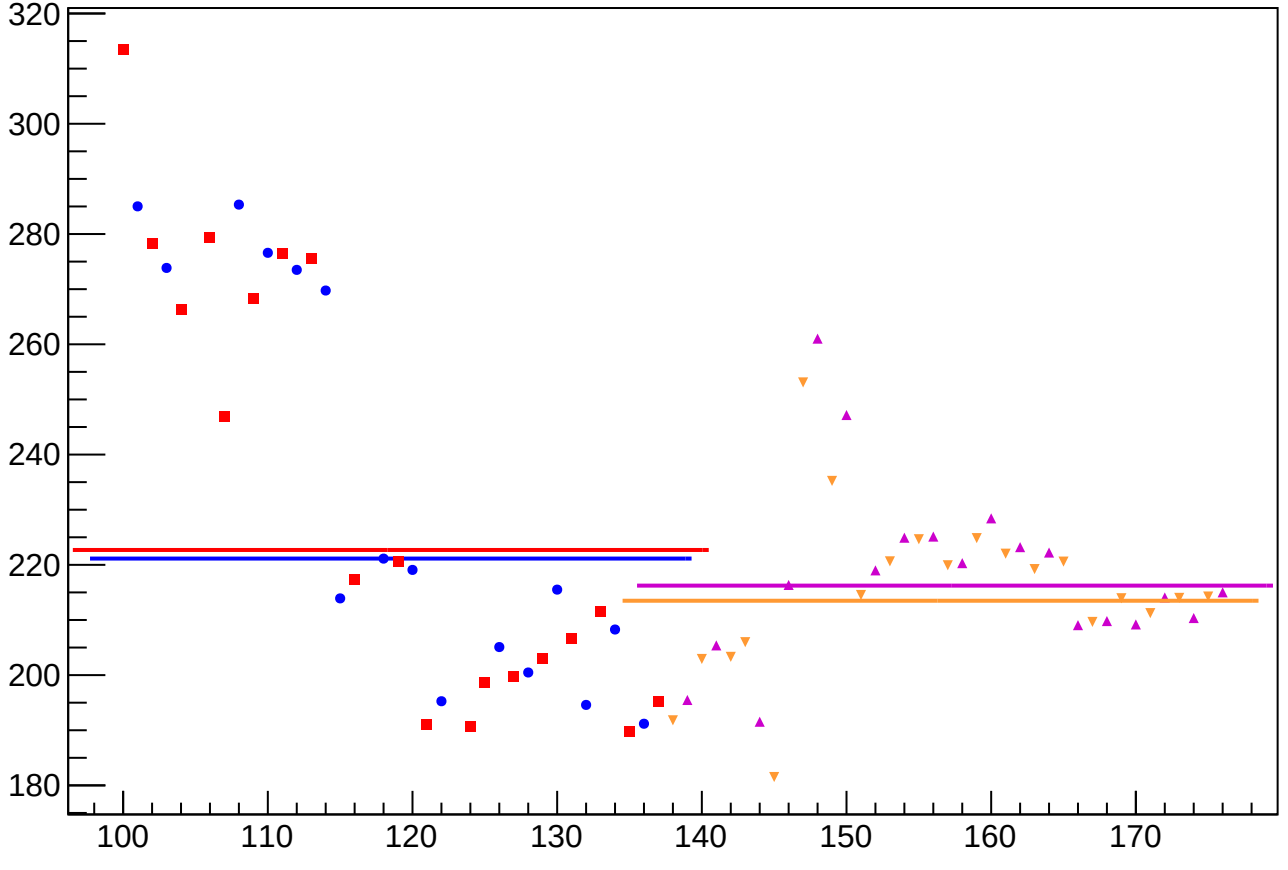
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -132.332+/-45.888 χ^2/NDF:48.2/34

Out: -164.059+/-45.030 χ^2/NDF:60.2/38

All: -148.495+/-32.140 χ^2/NDF: 108.7/73

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.490+/-0.038 χ^2/NDF:151153.0/19

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.233+/-0.039 χ^2/NDF:150970.1/18

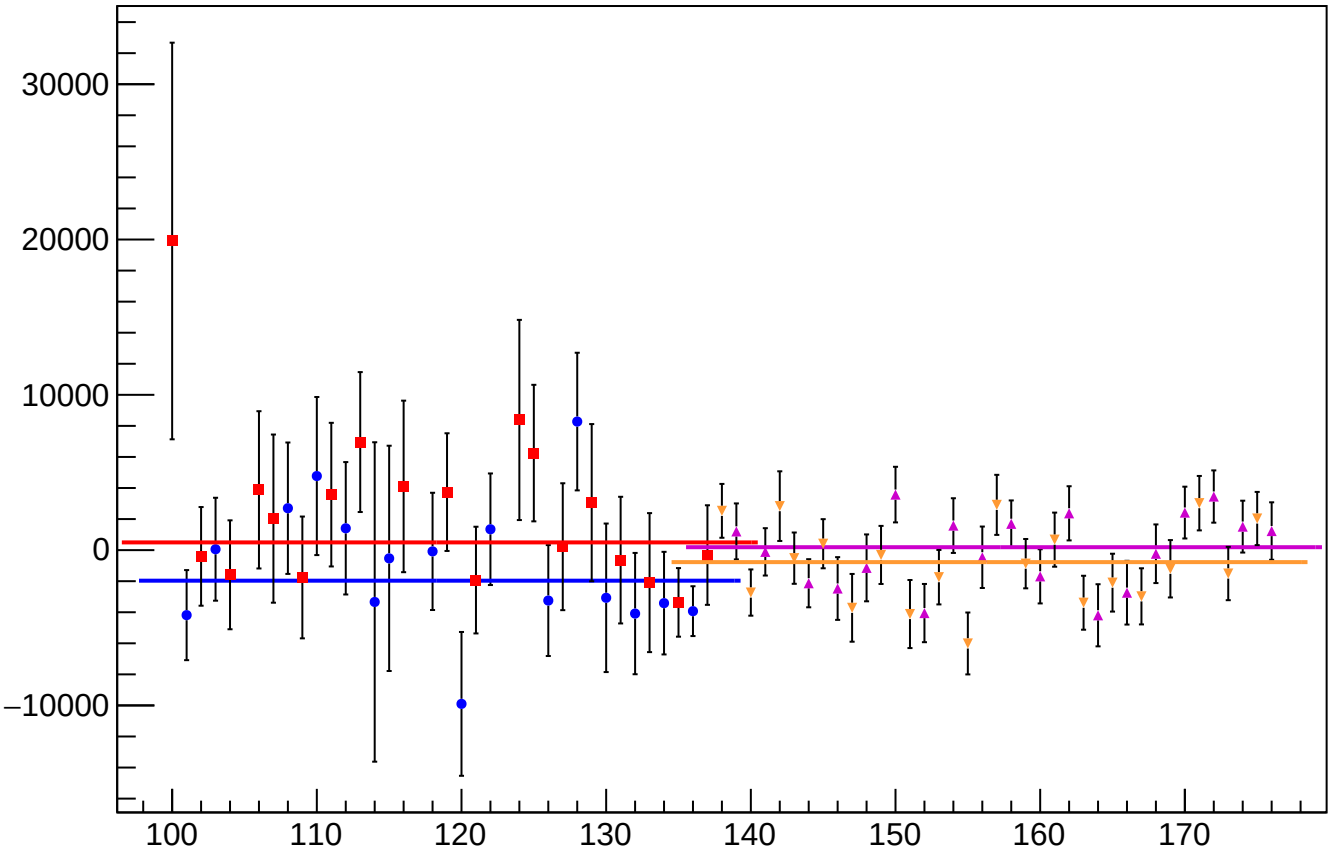
Left: 214.828+/-0.027 χ^2/NDF: 304665.5/38

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.728+/-0.032 χ^2/NDF:474517.5/34

Out: 216.230+/-0.032 χ^2/NDF:495663.1/38

All: 216.965+/-0.023 χ^2/NDF: 971266.2/73



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -771.962+/-400.042 χ^2/NDF:36.2/19

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 188.739+/-407.542 χ^2/NDF:31.3/18

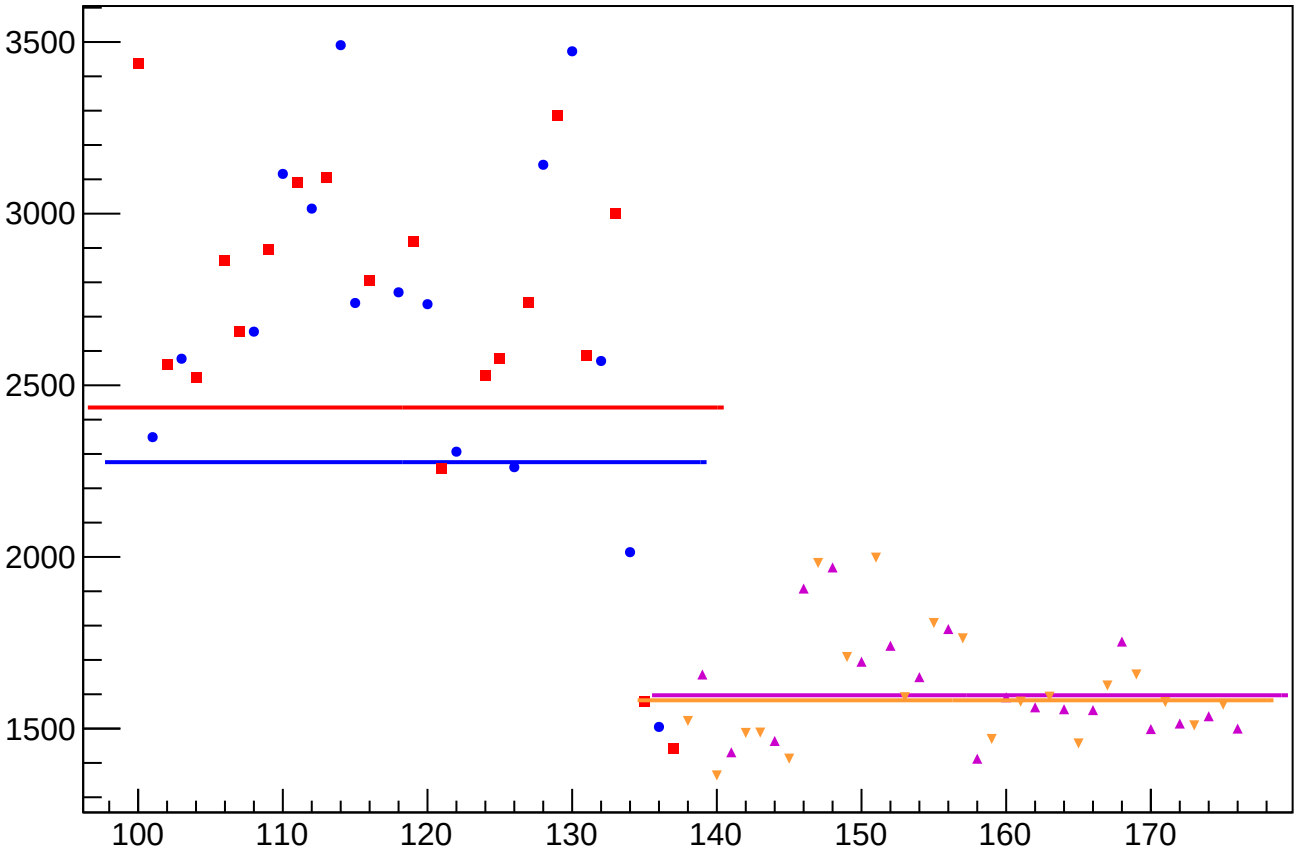
Left: -300.533+/-285.487 χ^2/NDF: 70.2/38

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -194.464+/-369.557 χ^2/NDF:52.4/34

Out: -568.192+/-366.525 χ^2/NDF:52.5/38

All: -382.867+/-260.238 χ^2/NDF: 105.4/73



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297516.2/19

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1597.092+/-0.288 χ^2/NDF:252941.8/18

Left: 1589.624+/-0.202 χ^2/NDF: 551776.5/38

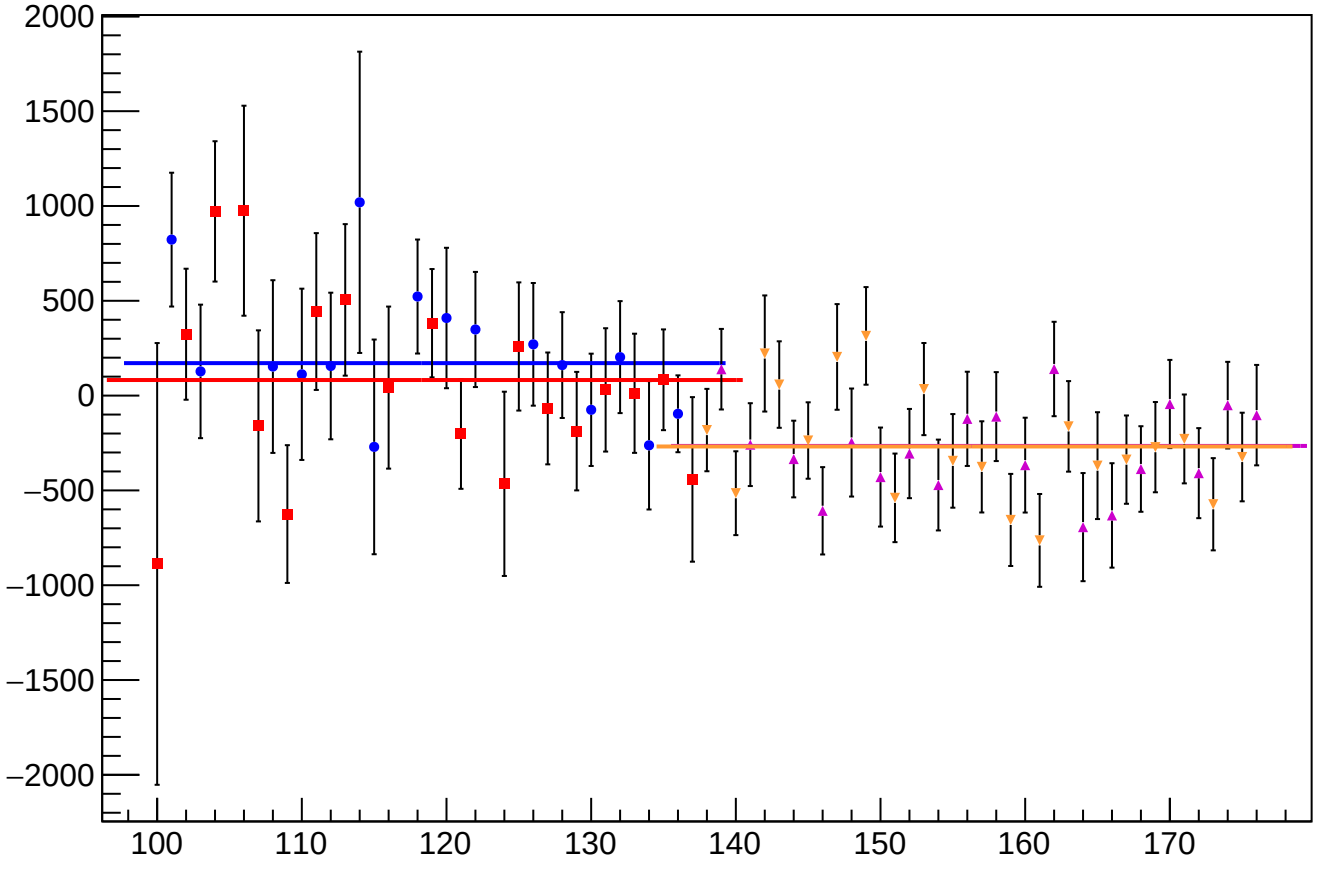
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1717.775+/-0.261 χ^2/NDF:2166722.3/34

Out: 1719.361+/-0.259 χ^2/NDF:2548641.3/38

All: 1718.575+/-0.184 χ^2/NDF: 4715382.3/73

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -268.372+/-53.728 χ^2/NDF:25.9/19

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -265.441+/-55.035 χ^2/NDF:17.6/18

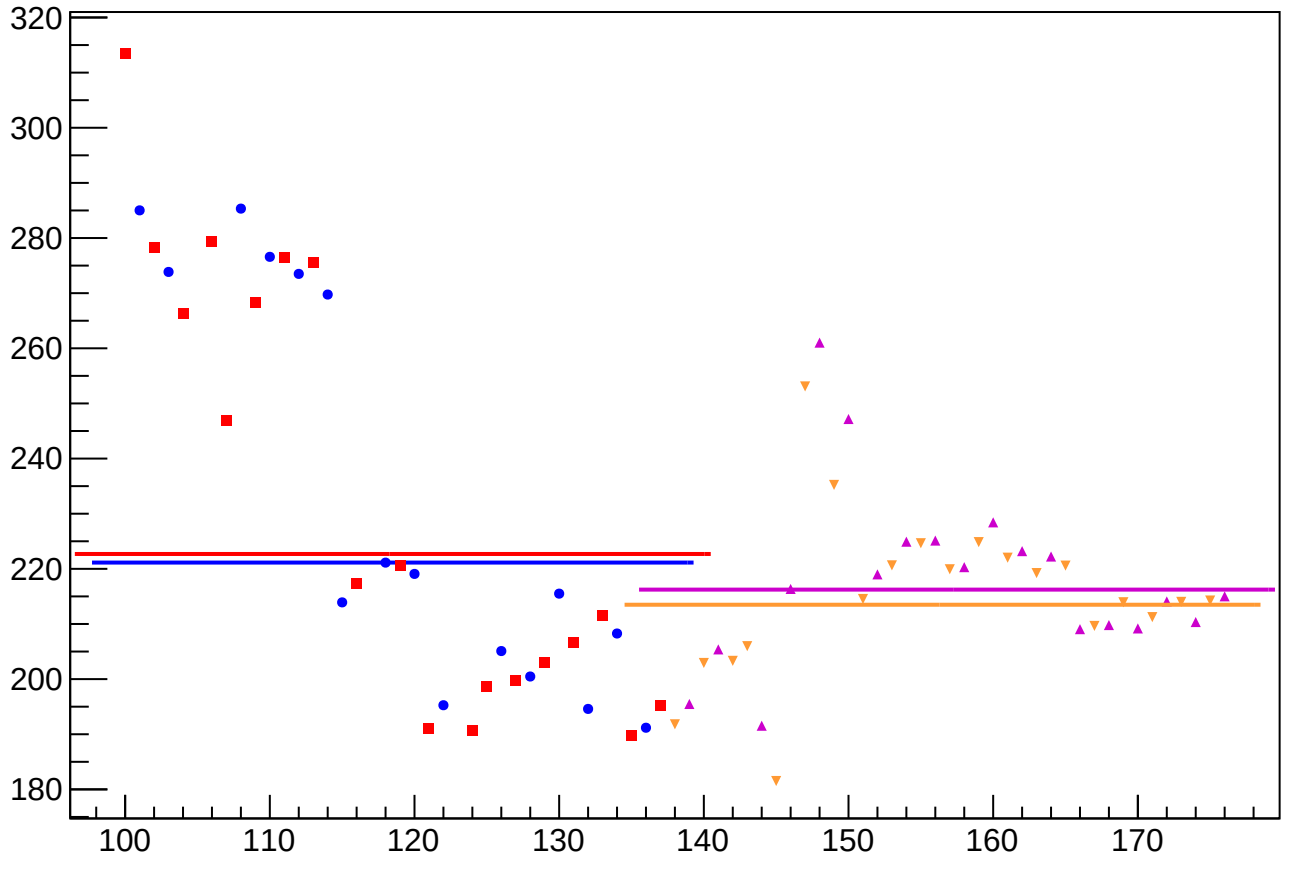
Left: -266.942+/-38.445 χ^2/NDF: 43.5/38

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -132.332+/-45.887 χ^2/NDF:48.2/34

Out: -164.060+/-45.030 χ^2/NDF:60.2/38

All: -148.495+/-32.140 χ^2/NDF: 108.7/73



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.490+/-0.038 χ^2/NDF:151157.1/19

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.232+/-0.039 χ^2/NDF:150972.6/18

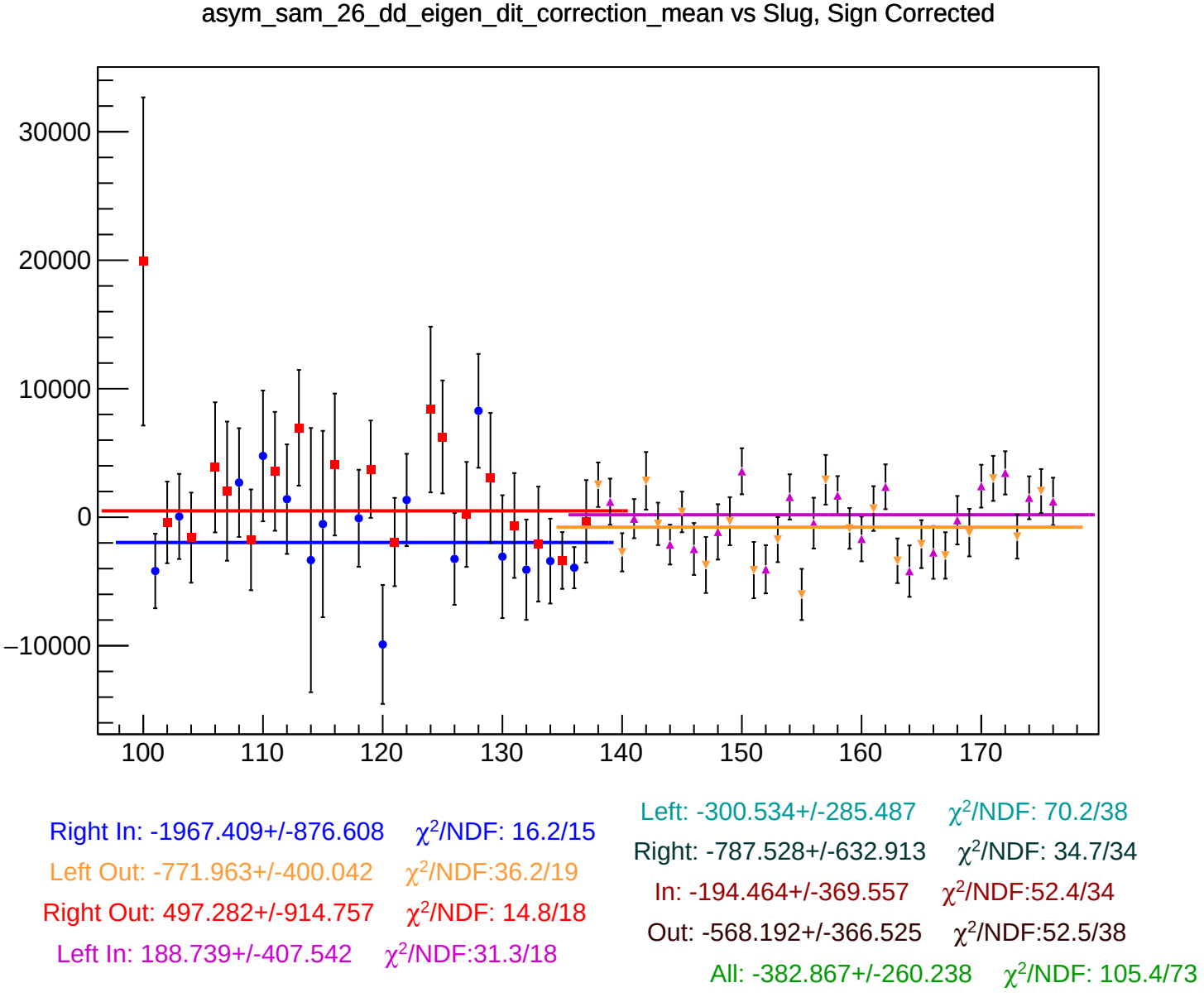
Left: 214.828+/-0.027 χ^2/NDF: 304672.0/38

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

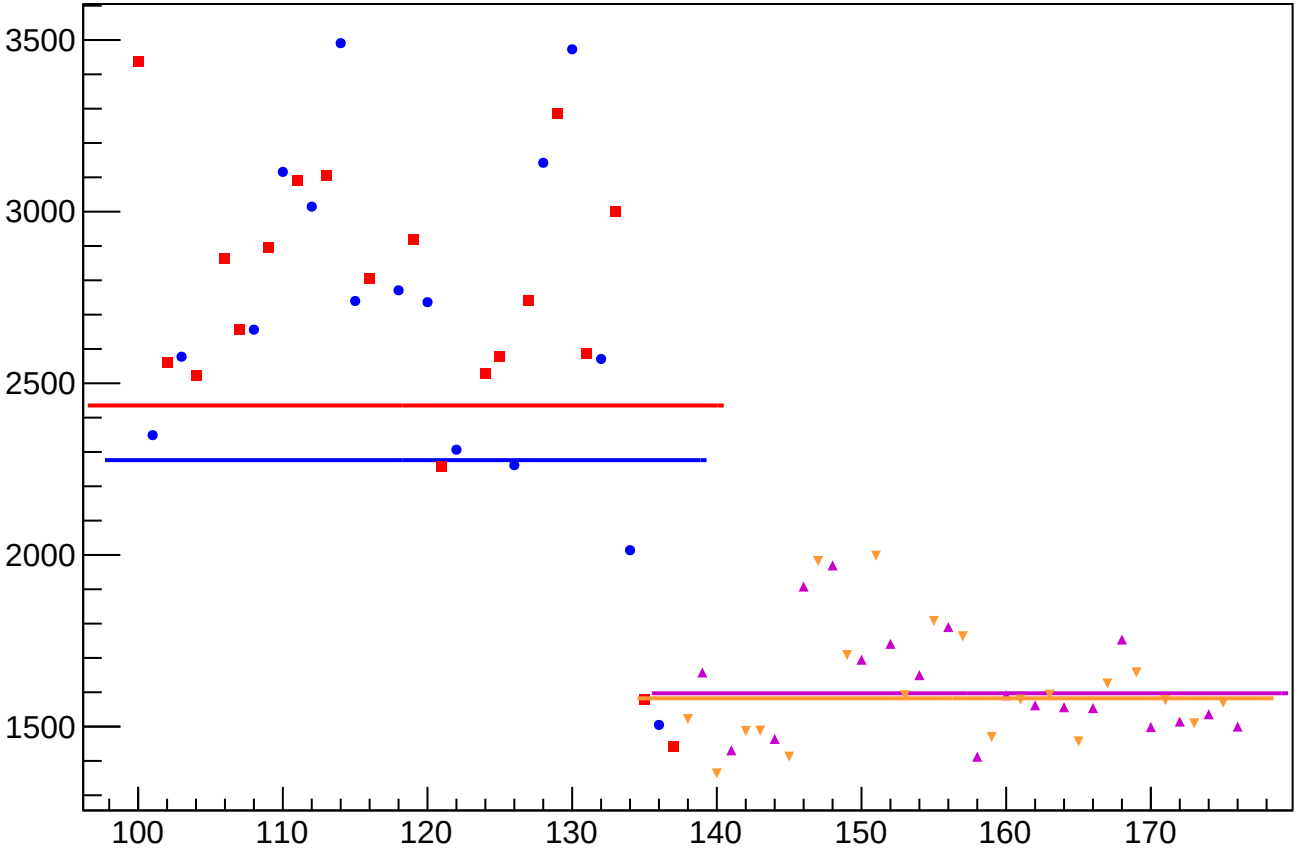
In: 217.728+/-0.032 χ^2/NDF:474512.9/34

Out: 216.230+/-0.032 χ^2/NDF:495657.3/38

All: 216.965+/-0.023 χ^2/NDF: 971255.6/73


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -771.963+/-400.042 χ²/NDF:36.2/19
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: 188.739+/-407.542 χ²/NDF:31.3/18
Left: -300.534+/-285.487 χ²/NDF: 70.2/38
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -194.464+/-369.557 χ²/NDF:52.4/34
Out: -568.192+/-366.525 χ²/NDF:52.5/38
All: -382.867+/-260.238 χ²/NDF: 105.4/73

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1582.429+/-0.283 χ^2/NDF:297518.7/19

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1597.092+/-0.288 χ^2/NDF:252942.9/18

Left: 1589.624+/-0.202 χ^2/NDF: 551780.2/38

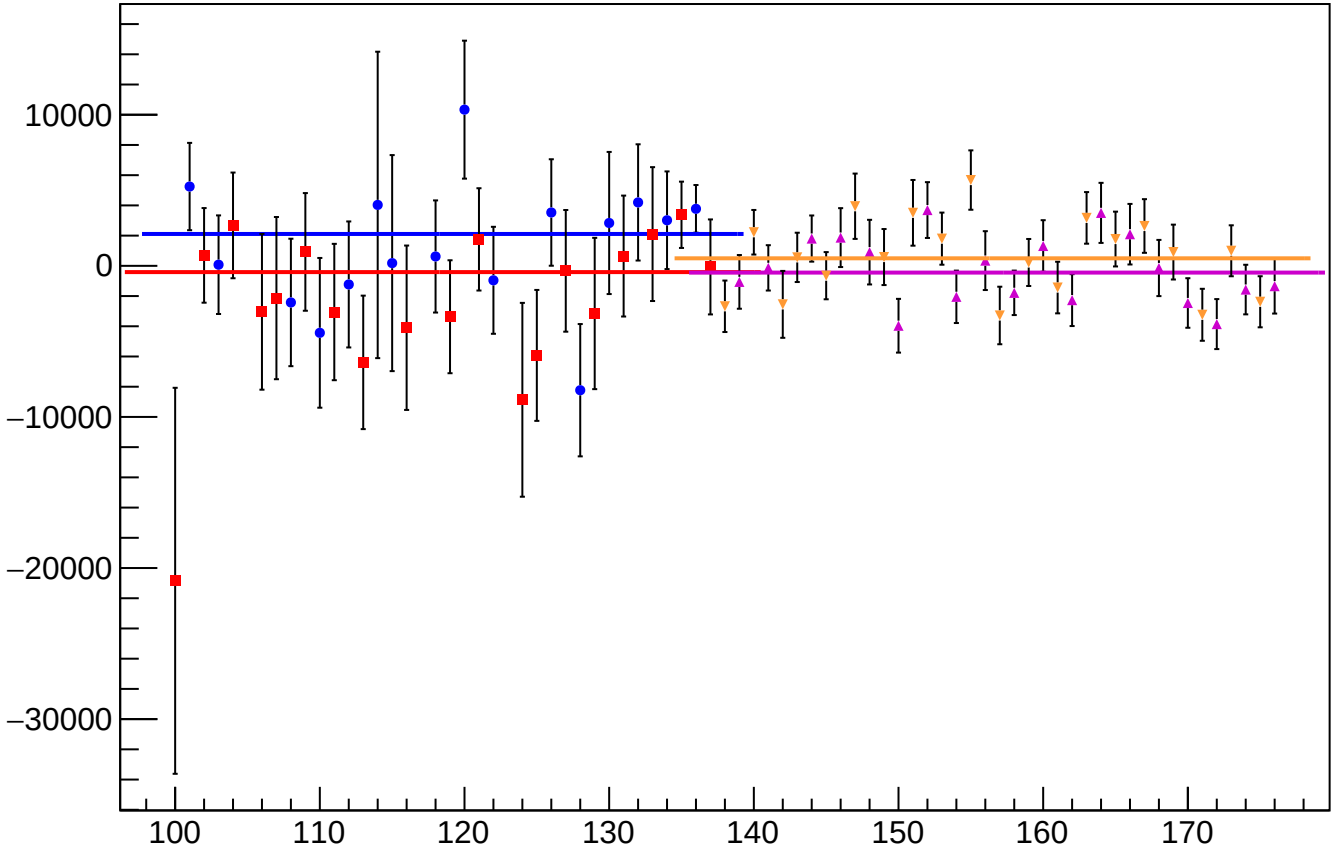
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1717.775+/-0.261 χ^2/NDF:2166708.2/34

Out: 1719.361+/-0.259 χ^2/NDF:2548629.2/38

All: 1718.575+/-0.184 χ^2/NDF: 4715355.9/73

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 498.065+/-393.920 χ^2/NDF:36.7/19

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -446.772+/-400.802 χ^2/NDF:29.2/18

Left: 33.828+/-280.945 χ^2/NDF: 68.7/38

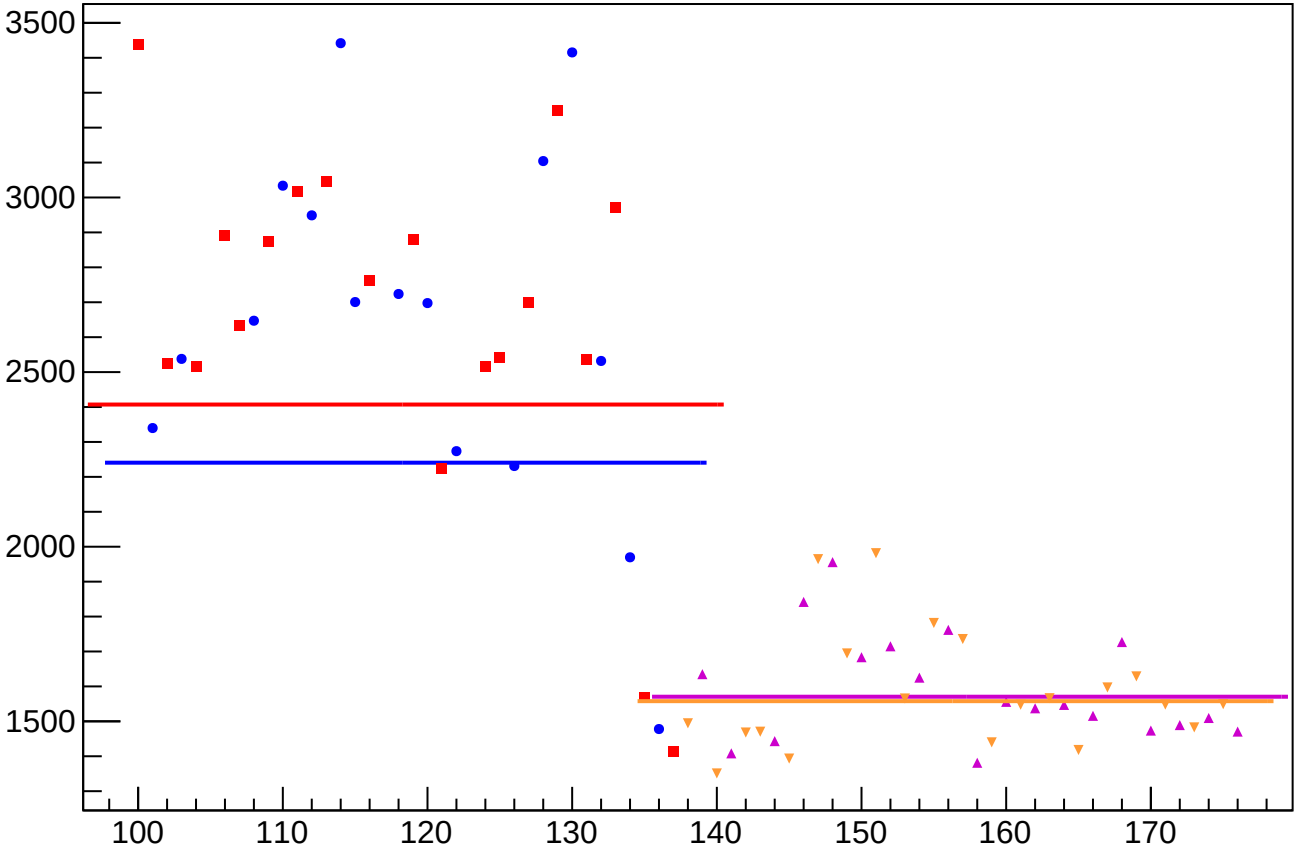
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 6.529+/-363.533 χ^2/NDF:53.0/34

Out: 352.615+/-361.151 χ^2/NDF:52.2/38

All: 180.710+/-256.210 χ^2/NDF: 105.7/73

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.751+/-0.279 χ^2/NDF:306023.1/19

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1570.482+/-0.283 χ^2/NDF:255698.8/18

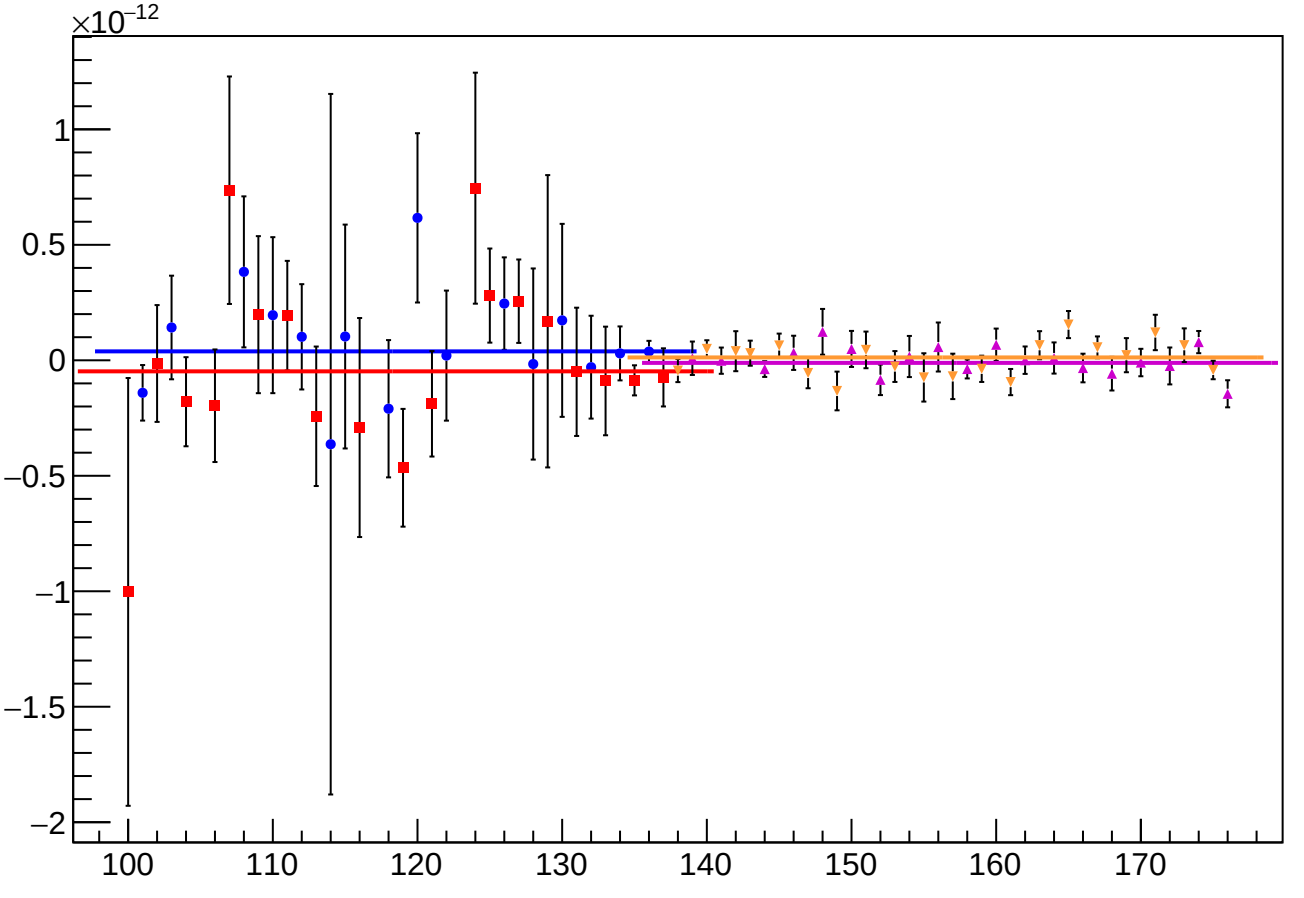
Left: 1564.007+/-0.199 χ^2/NDF: 562748.3/38

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1689.316+/-0.257 χ^2/NDF:2180758.7/34

Out: 1693.189+/-0.255 χ^2/NDF:2577696.3/38

All: 1691.266+/-0.181 χ^2/NDF: 4758569.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

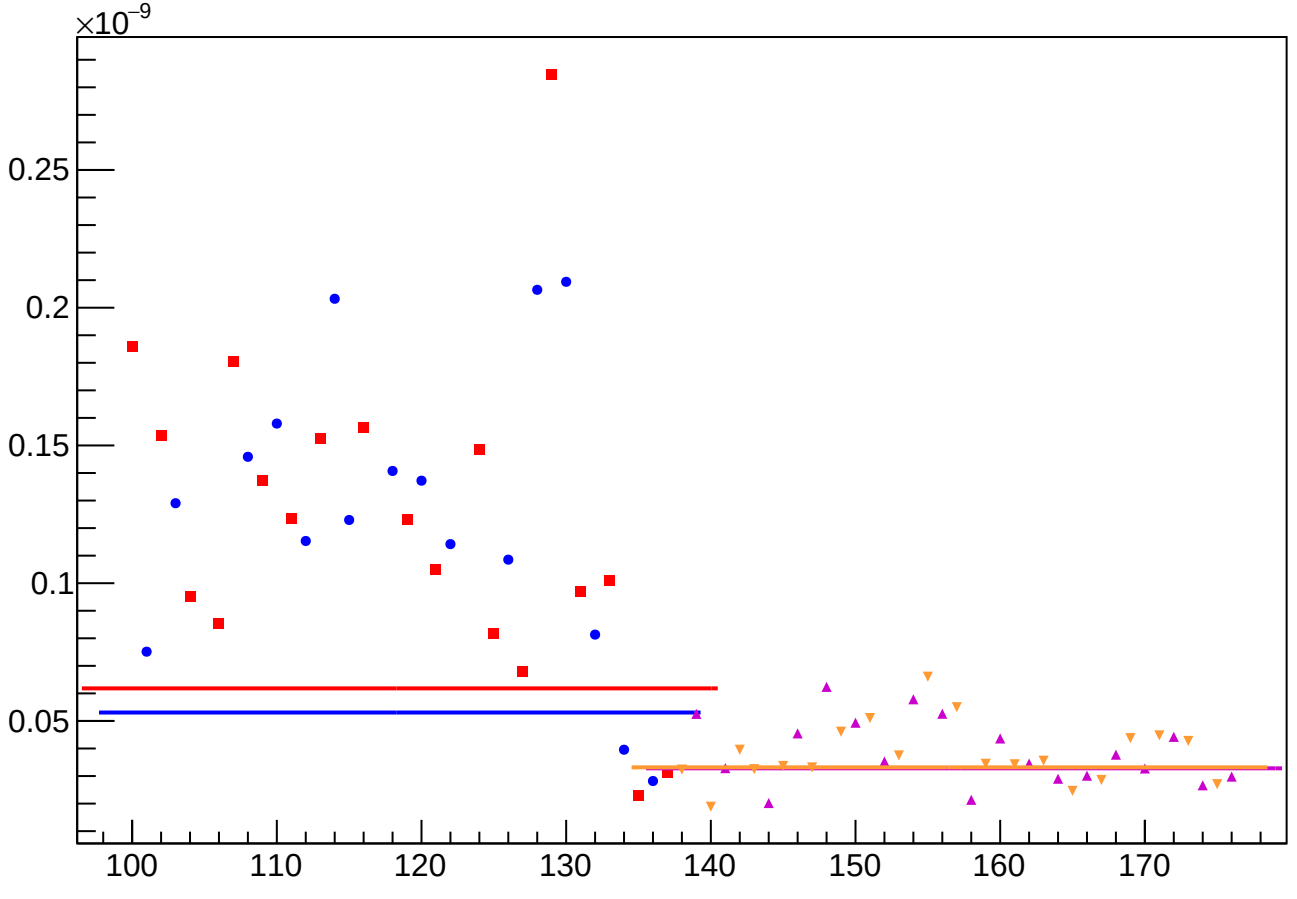
Left: 0.000+/-0.000 χ^2/NDF: 43.4/38

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.4/34

Out: 0.000+/-0.000 χ^2/NDF:45.6/38

All: 0.000+/-0.000 χ^2/NDF: 72.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:991458.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1284408.0/18

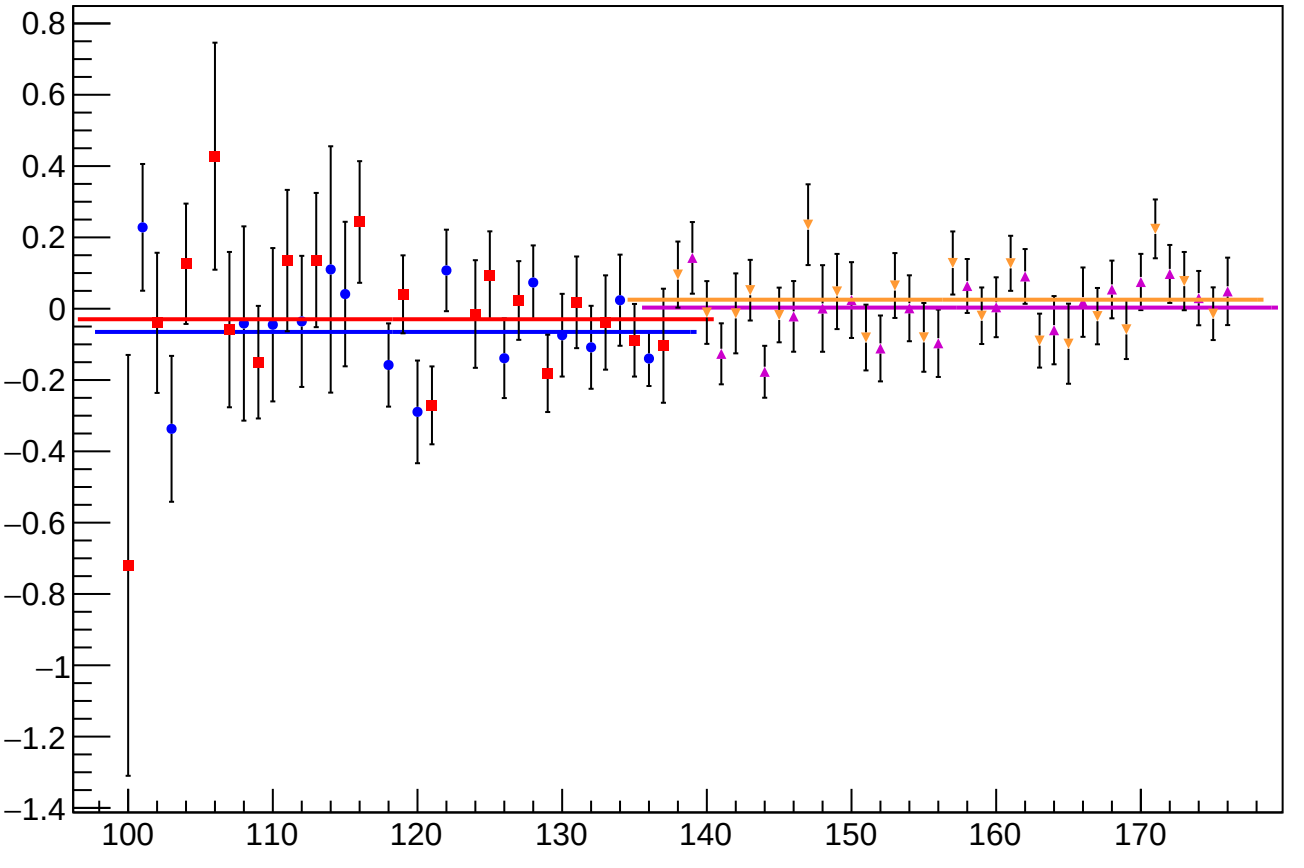
Left: 0.000+/-0.000 χ^2/NDF: 2276578.4/38

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4402427.0/34

Out: 0.000+/-0.000 χ^2/NDF:4207251.8/38

All: 0.000+/-0.000 χ^2/NDF: 8609980.1/73



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

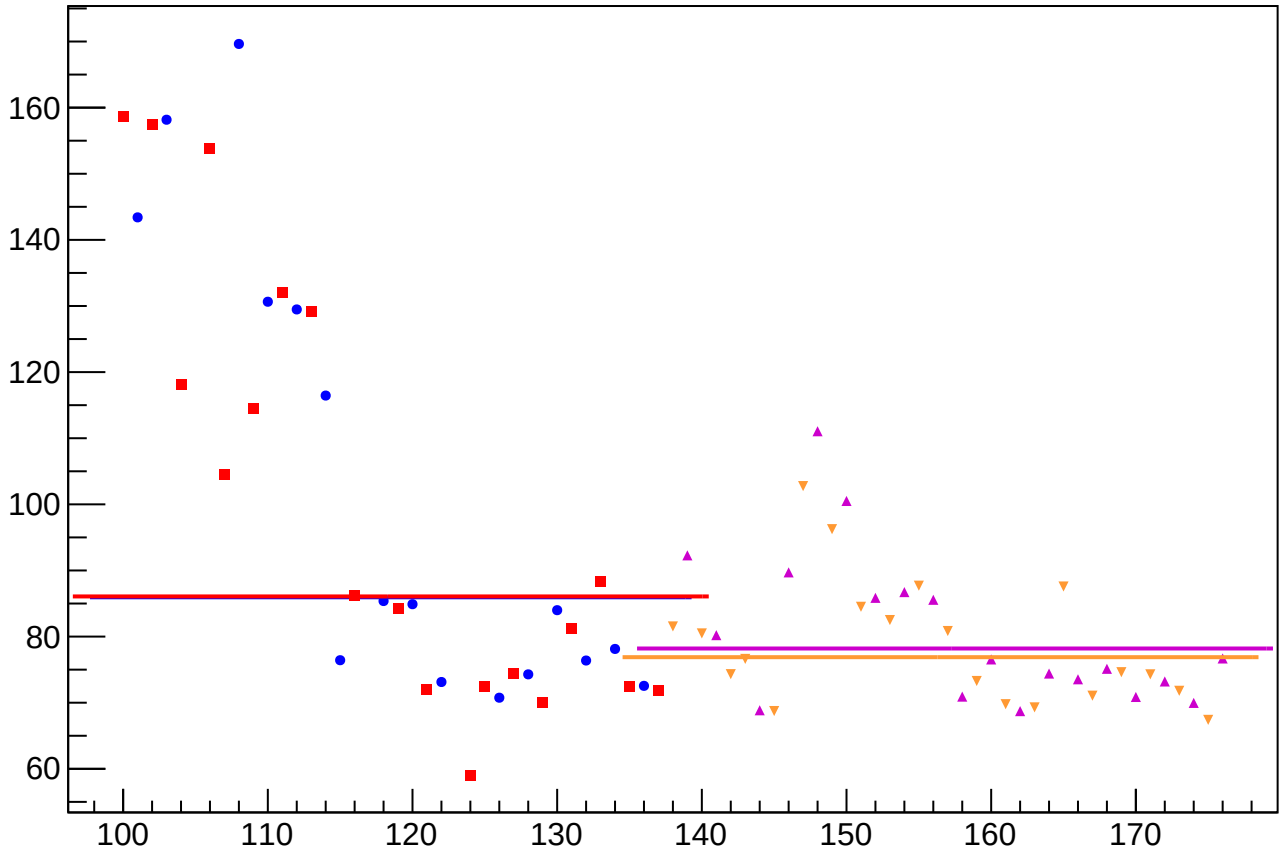
Left: 0.015+/-0.014 χ^2/NDF: 41.3/38

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 79.2/73



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

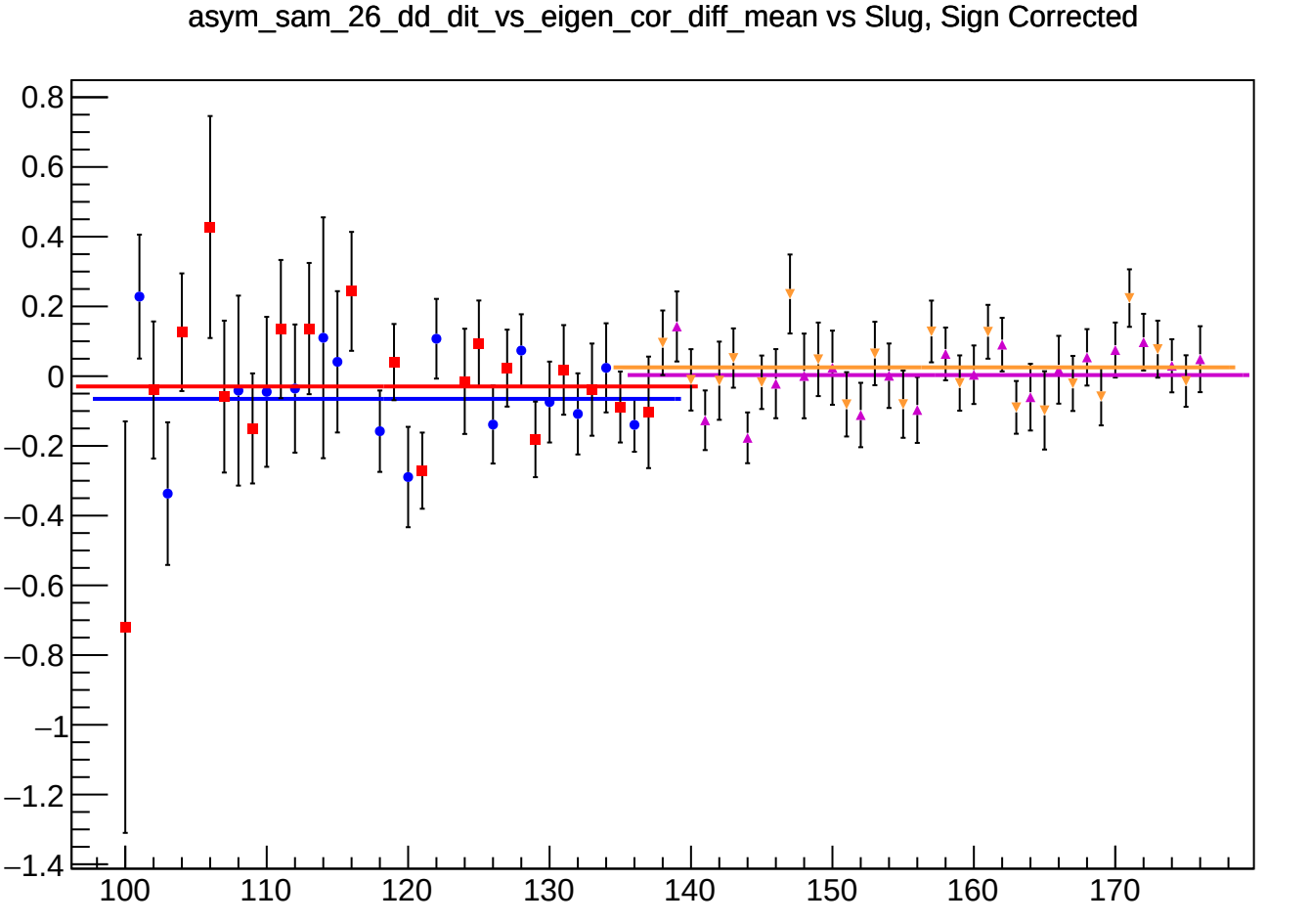
Left: 77.520+/-0.010 χ^2/NDF: 859628.1/38

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

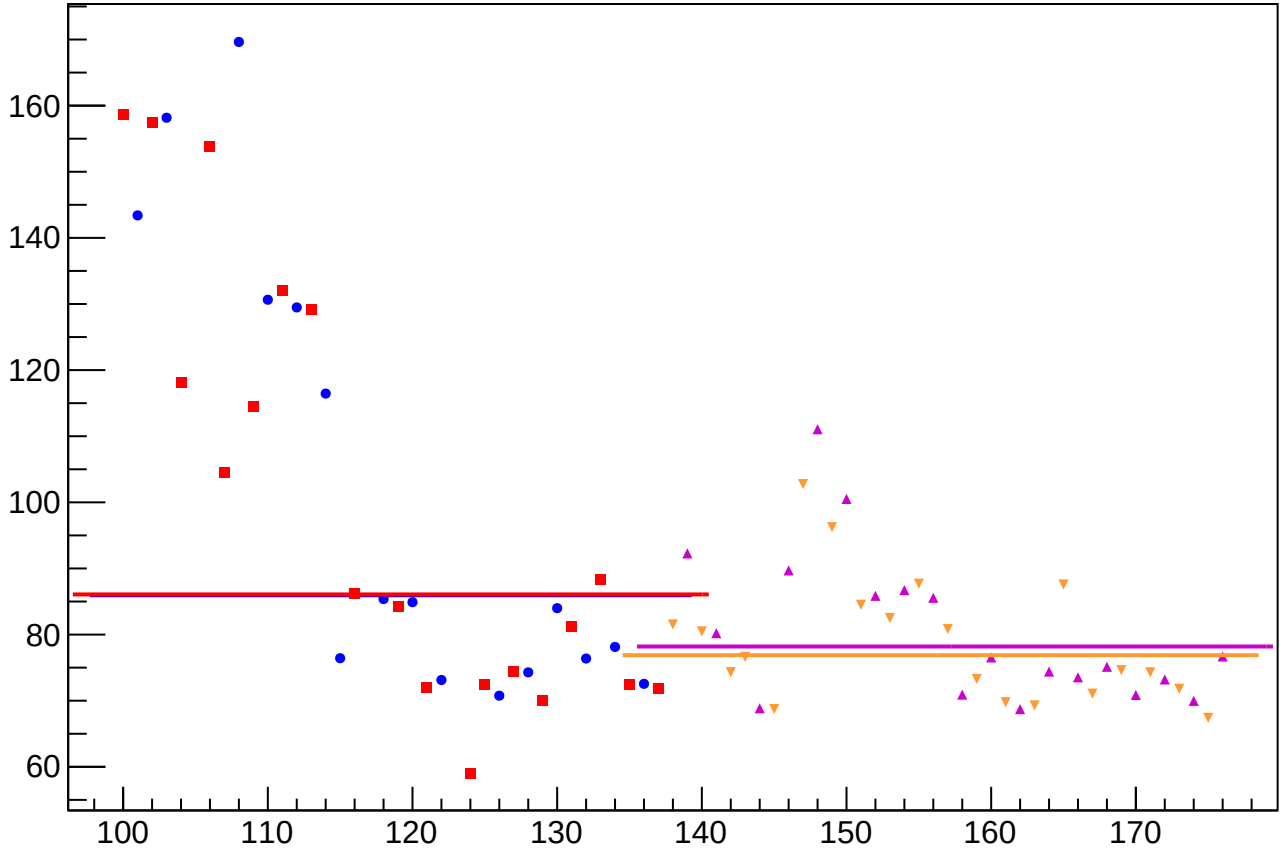
In: 80.264+/-0.012 χ^2/NDF:1601043.6/34

Out: 79.260+/-0.012 χ^2/NDF:1475139.5/38

All: 79.749+/-0.008 χ^2/NDF: 3079681.6/73


asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−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: 0.025+/-0.019 χ²/NDF:22.2/19
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: 0.003+/-0.020 χ²/NDF:18.4/18
Left: 0.015+/-0.014 χ²/NDF: 41.3/38
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.015+/-0.017 χ²/NDF:35.7/34
Out: 0.011+/-0.017 χ²/NDF:42.4/38
All: -0.002+/-0.012 χ²/NDF: 79.2/73

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.884+/-0.014 χ^2/NDF:368536.3/19

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

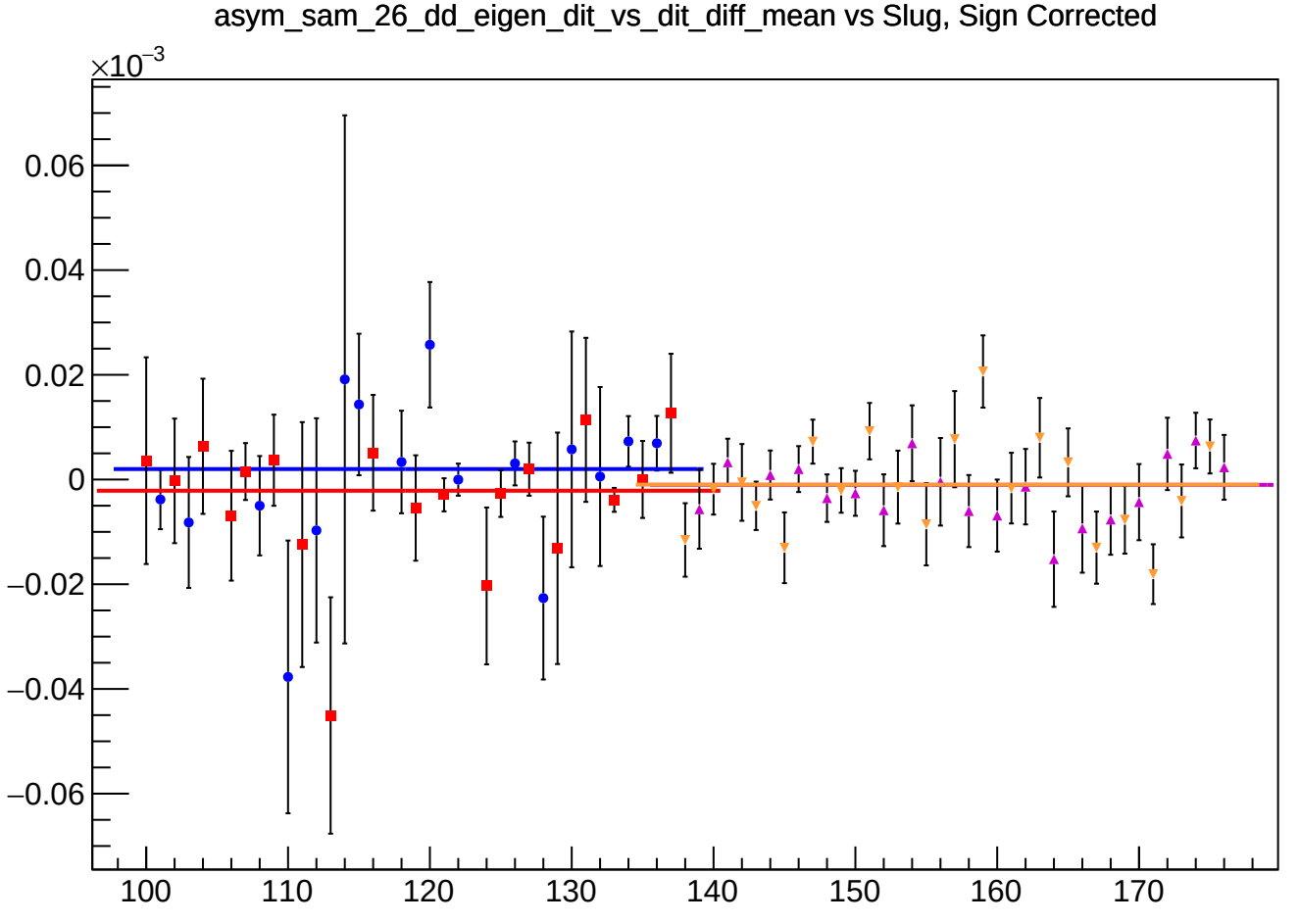
Left: 77.520+/-0.010 χ^2/NDF: 859628.1/38

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.264+/-0.012 χ^2/NDF:1601043.6/34

Out: 79.260+/-0.012 χ^2/NDF:1475139.5/38

All: 79.749+/-0.008 χ^2/NDF: 3079681.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/18

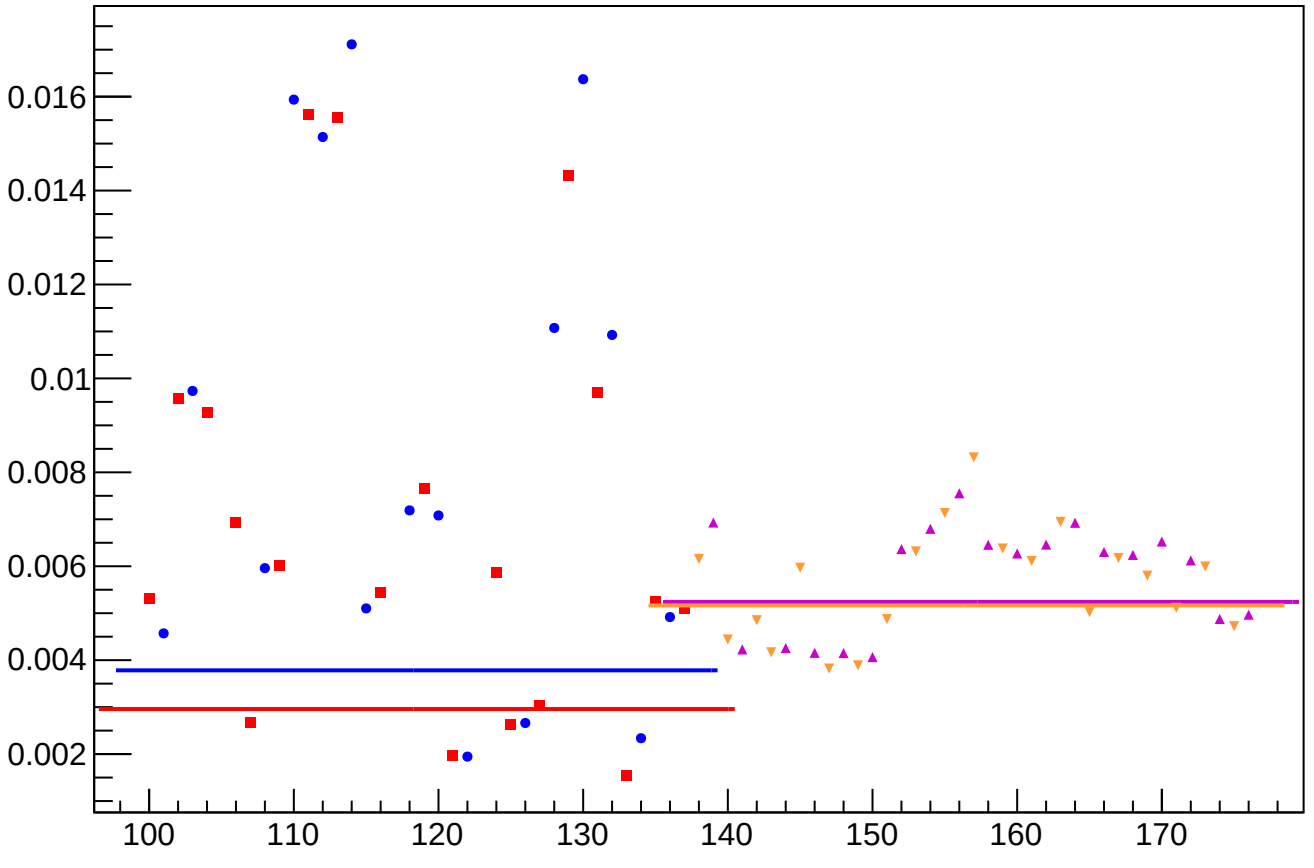
Left: -0.000+/-0.000 χ^2/NDF: 56.0/38

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/34

Out: -0.000+/-0.000 χ^2/NDF:54.4/38

All: -0.000+/-0.000 χ^2/NDF: 85.9/73



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1333164.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1393330.5/18

Left: 0.005+/-0.000 χ^2/NDF: 2729569.4/38

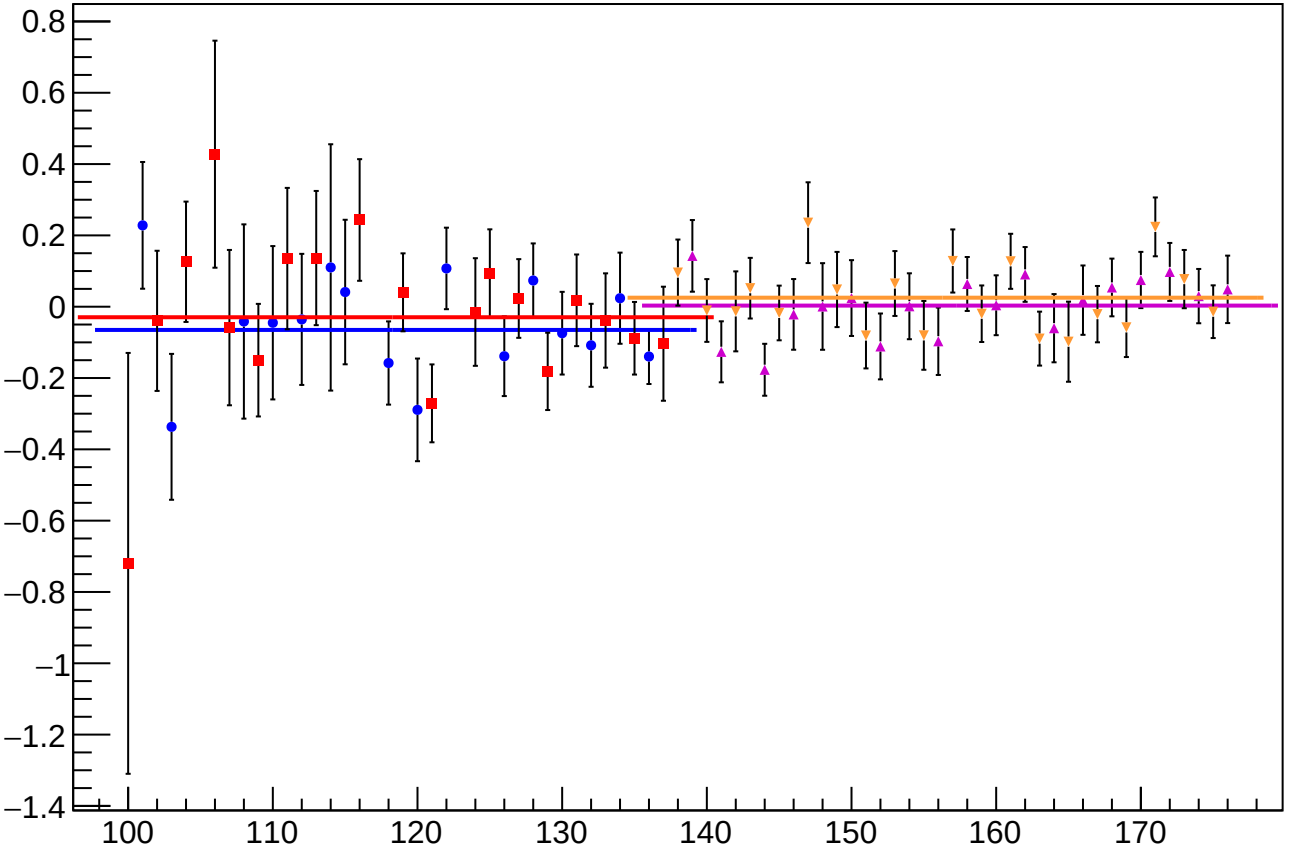
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6948900.4/34

Out: 0.004+/-0.000 χ^2/NDF:9481700.1/38

All: 0.004+/-0.000 χ^2/NDF: 16737848.9/73

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.3/38

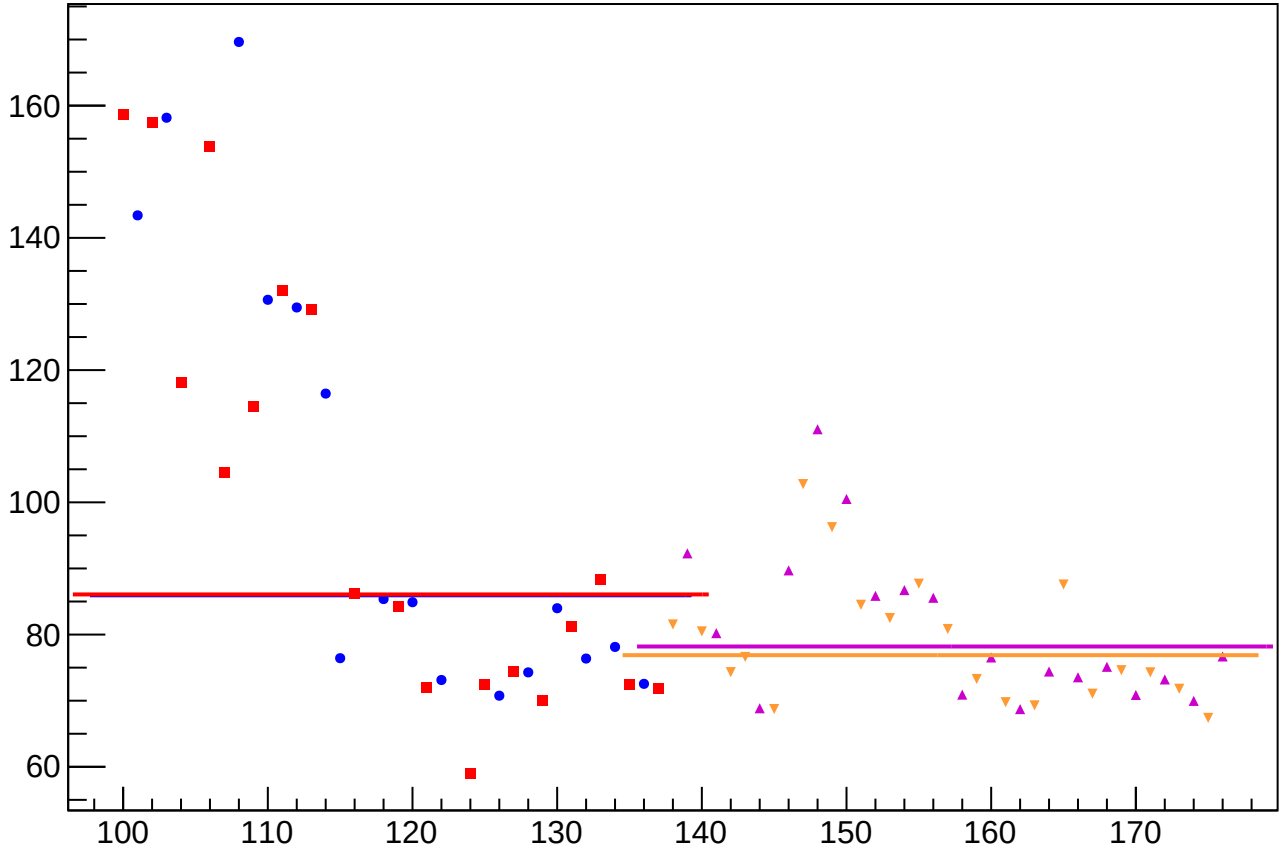
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 79.2/73

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.884+/-0.014 χ^2/NDF:368574.9/19

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

Left: 77.520+/-0.010 χ^2/NDF: 859703.1/38

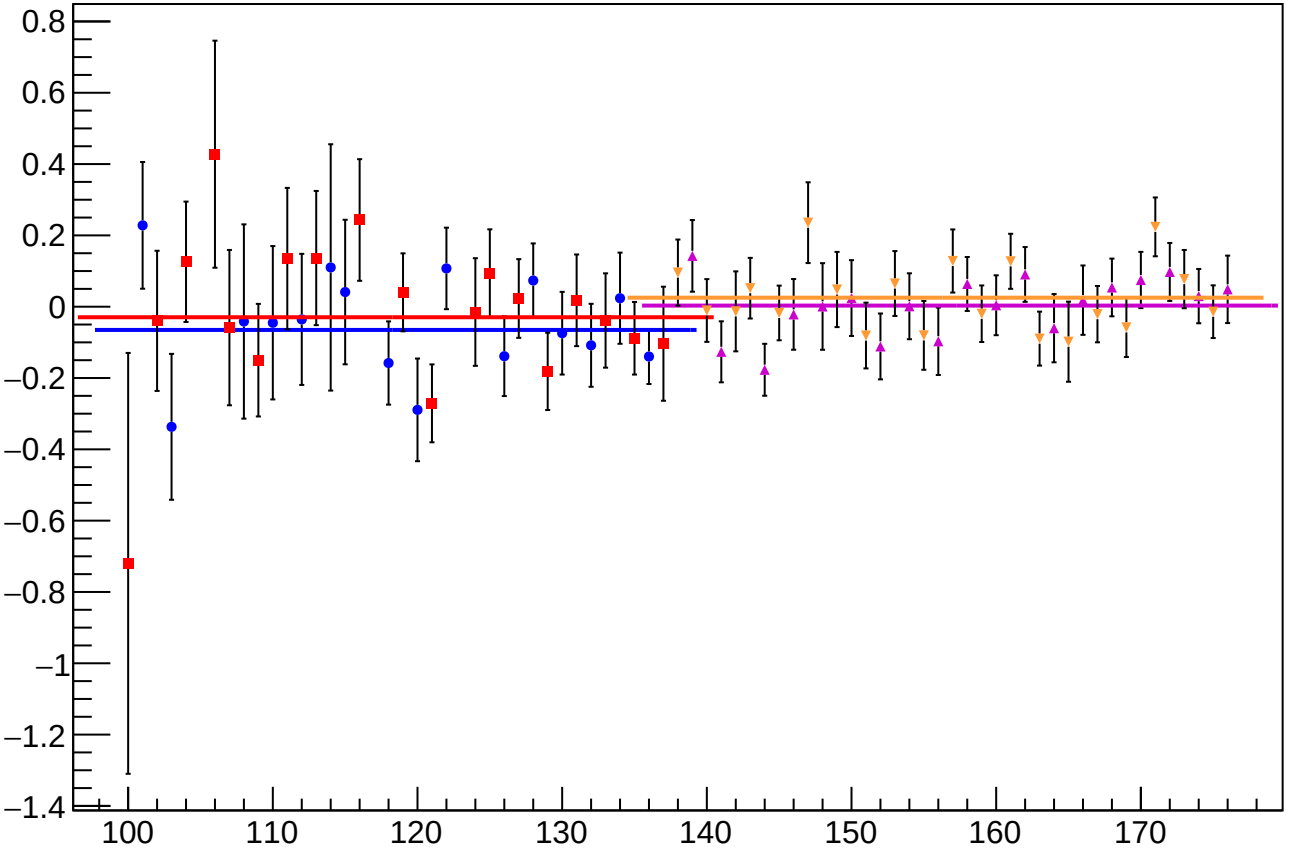
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.263+/-0.012 χ^2/NDF:1601030.9/34

Out: 79.259+/-0.012 χ^2/NDF:1475135.0/38

All: 79.748+/-0.008 χ^2/NDF: 3079662.5/73

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.019 χ^2/NDF:22.2/19

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.3/38

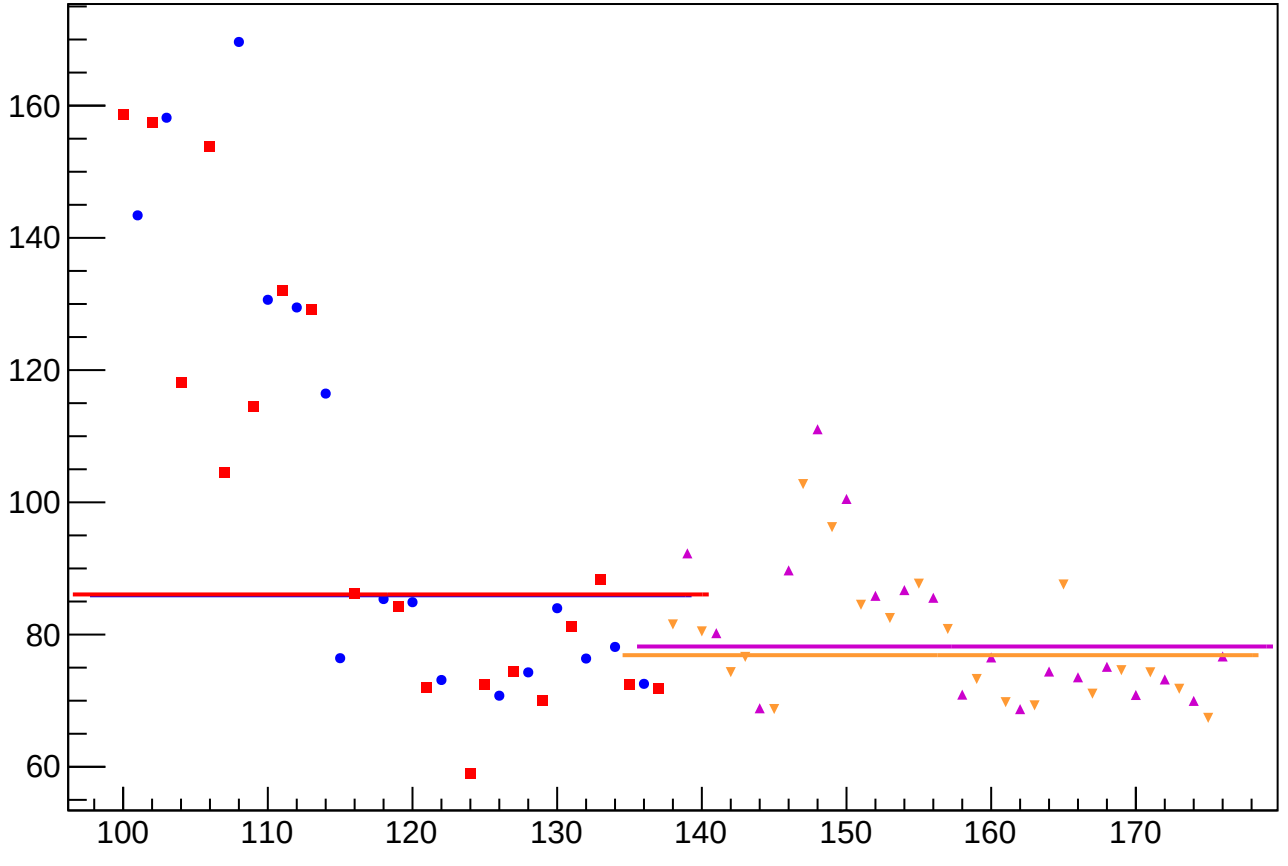
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.011+/-0.017 χ^2/NDF:42.4/38

All: -0.002+/-0.012 χ^2/NDF: 79.2/73

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: 76.884+/-0.014 χ^2/NDF:368574.9/19

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

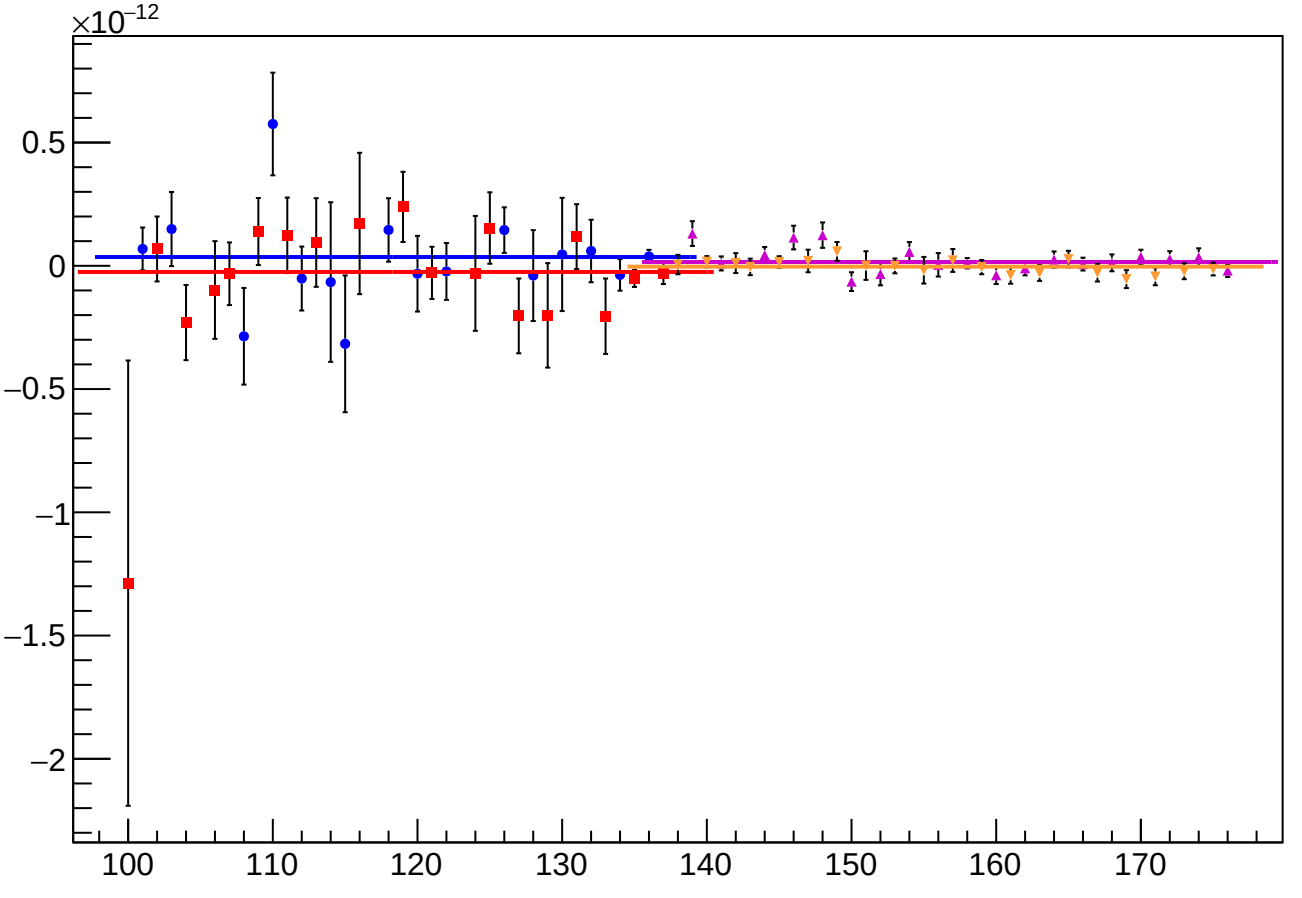
Left: 77.520+/-0.010 χ^2/NDF: 859703.1/38

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.263+/-0.012 χ^2/NDF:1601030.9/34

Out: 79.259+/-0.012 χ^2/NDF:1475135.0/38

All: 79.748+/-0.008 χ^2/NDF: 3079662.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/18

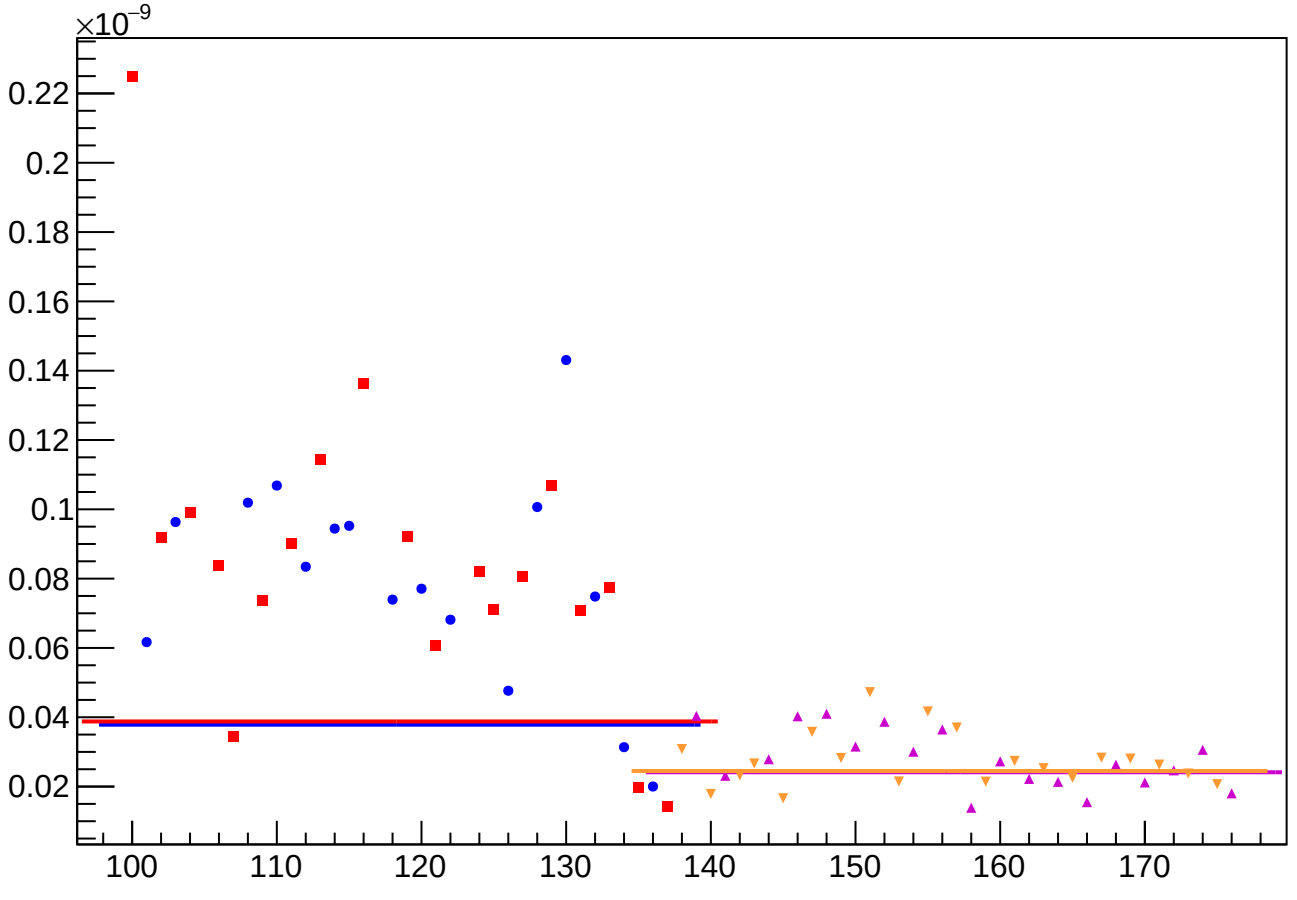
Left: 0.000+/-0.000 χ^2/NDF: 42.1/38

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:44.7/34

Out: -0.000+/-0.000 χ^2/NDF:30.2/38

All: 0.000+/-0.000 χ^2/NDF: 80.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408082.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2068789.8/18

Left: 0.000+/-0.000 χ^2/NDF: 3479304.0/38

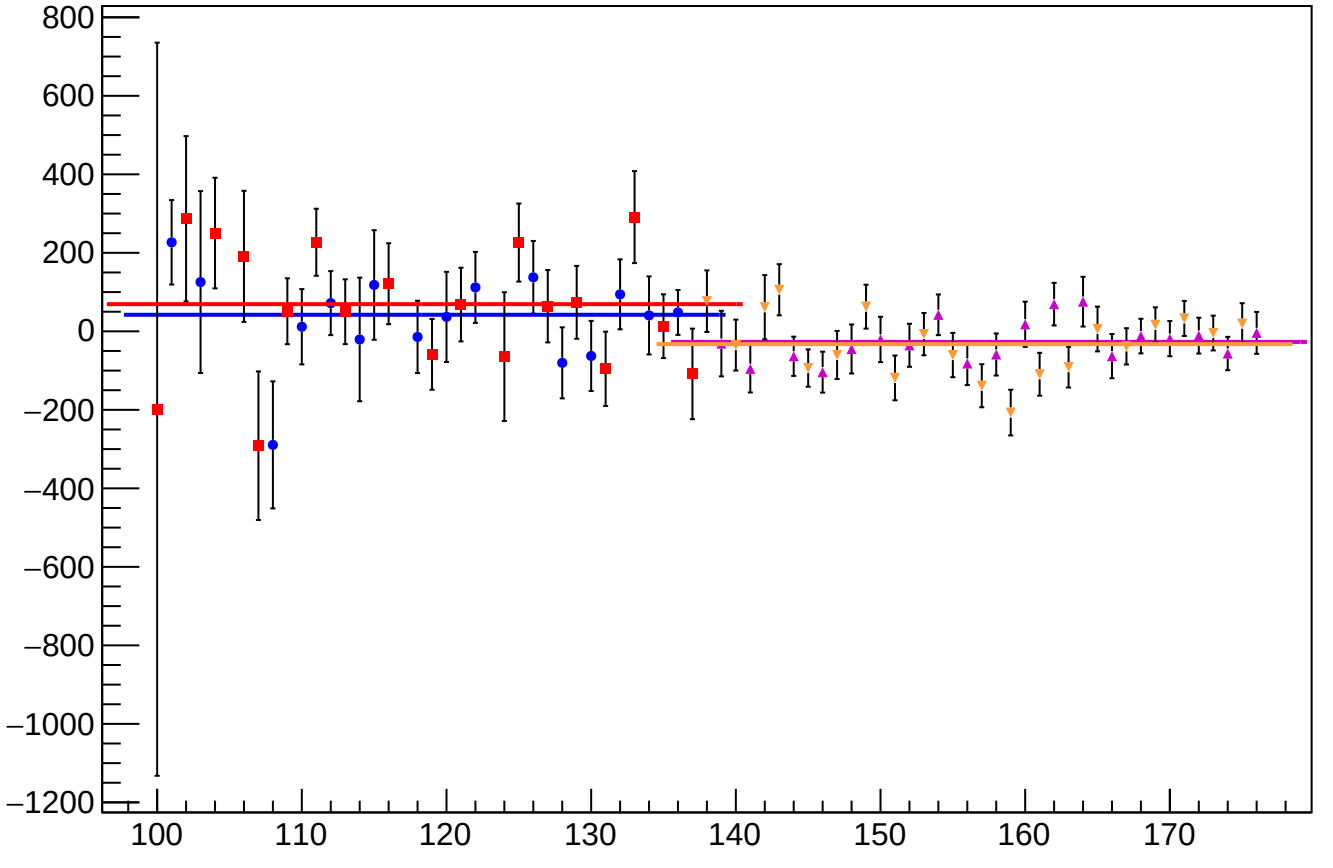
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6306917.5/34

Out: 0.000+/-0.000 χ^2/NDF:6275658.6/38

All: 0.000+/-0.000 χ^2/NDF: 12583397.9/73

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.626+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -26.955+/-12.189 χ^2/NDF:15.0/18

Left: -29.798+/-8.606 χ^2/NDF: 51.6/38

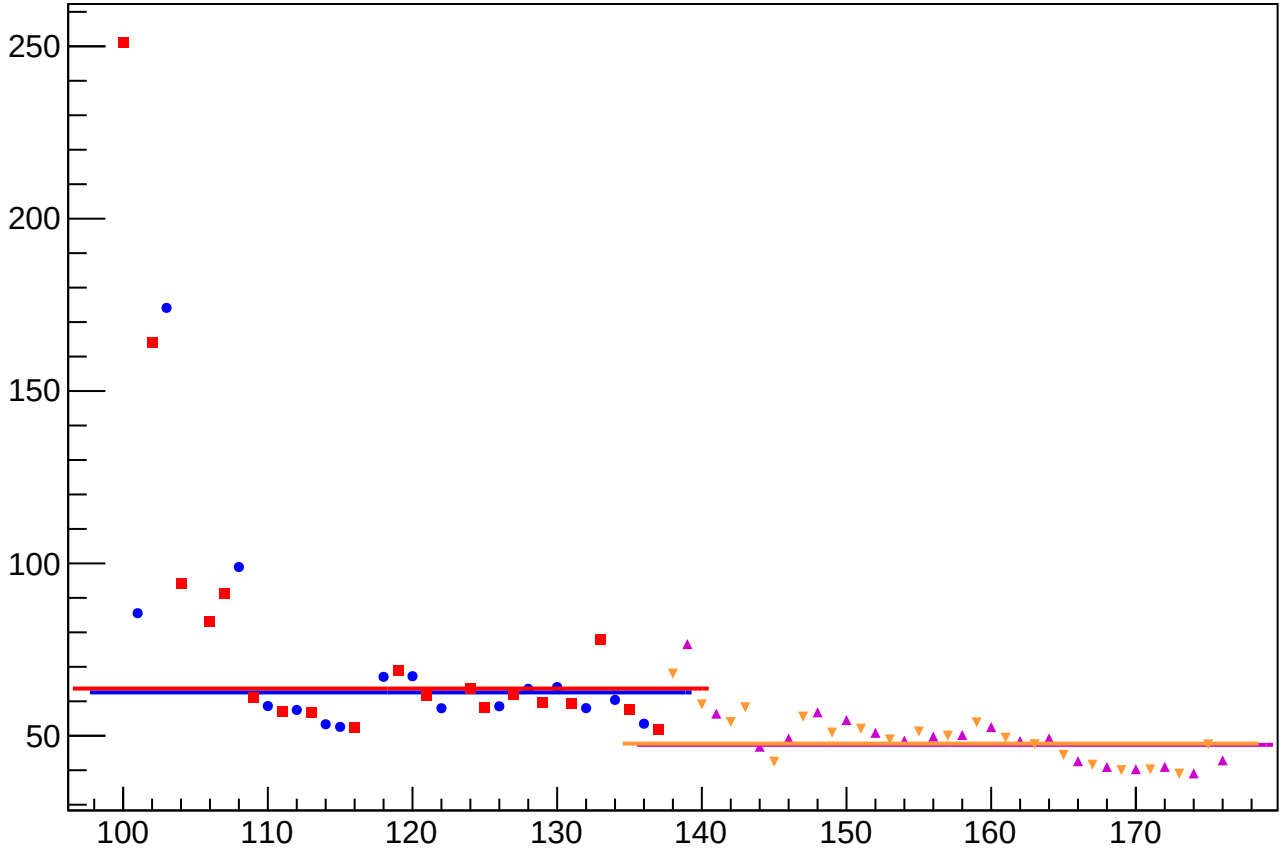
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -12.964+/-10.887 χ^2/NDF:35.1/34

Out: -12.398+/-10.881 χ^2/NDF:75.8/38

All: -12.681+/-7.696 χ^2/NDF: 110.8/73

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.733+/-0.009 χ^2/NDF:605952.0/19

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

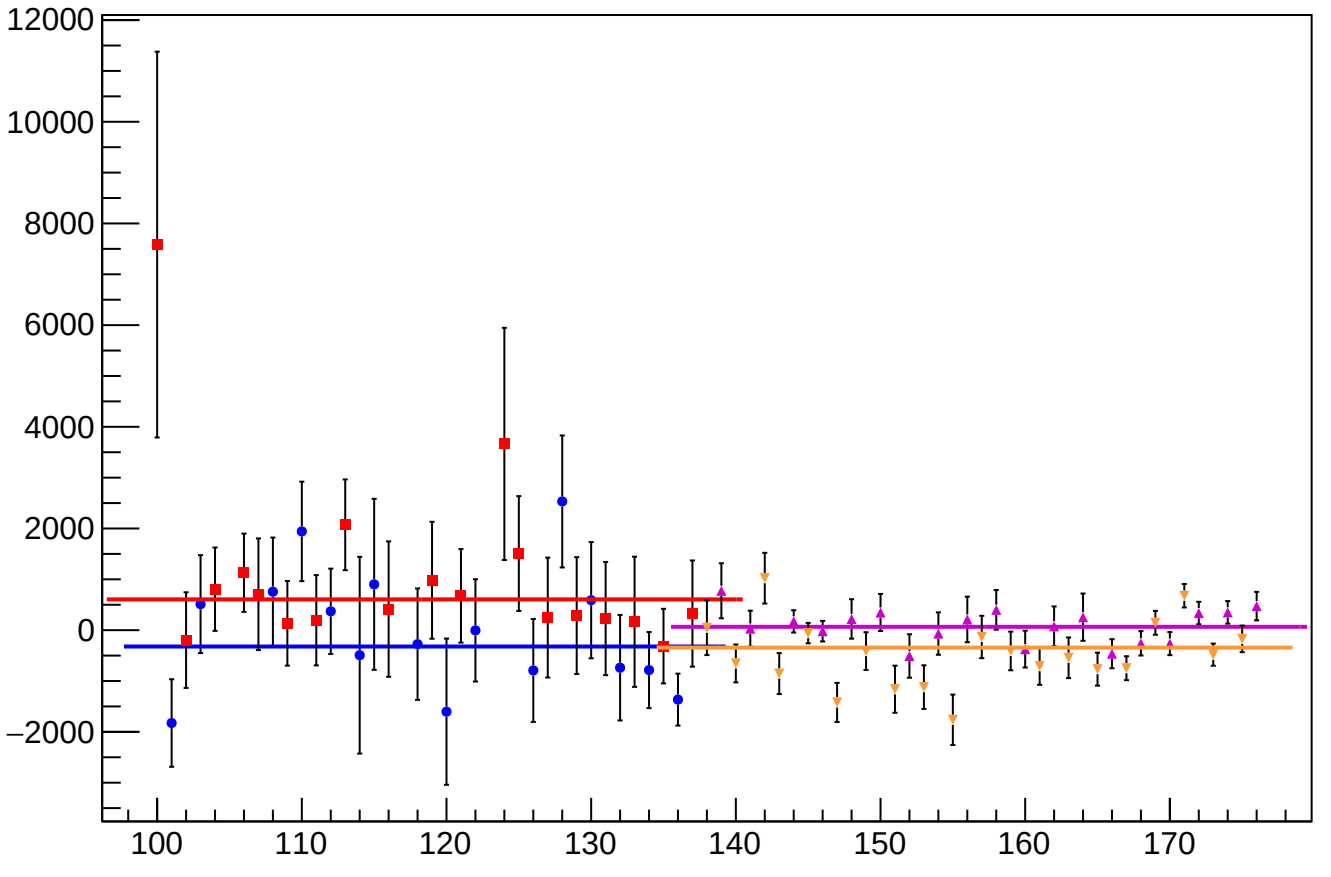
Left: 47.552+/-0.006 χ^2/NDF: 1249122.2/38

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.444+/-0.008 χ^2/NDF:2029568.6/34

Out: 50.903+/-0.008 χ^2/NDF:2125465.9/38

All: 50.673+/-0.005 χ^2/NDF: 4156814.9/73



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -342.803+/-70.609 χ^2/NDF:65.8/19

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 65.919+/-68.223 χ^2/NDF:19.9/18

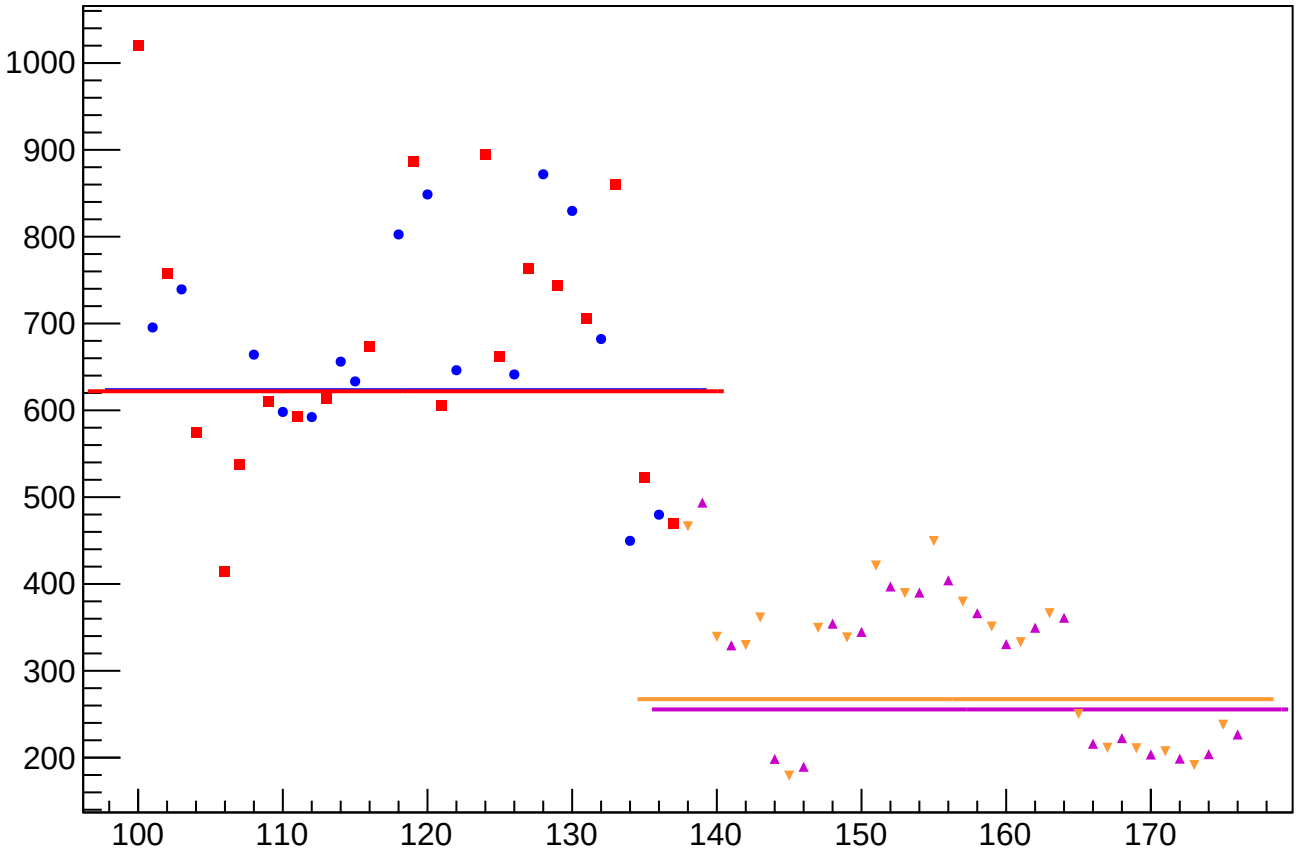
Left: -131.419+/-49.063 χ^2/NDF: 103.0/38

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 36.600+/-65.592 χ^2/NDF:45.1/34

Out: -263.413+/-67.590 χ^2/NDF:93.4/38

All: -108.906+/-47.071 χ^2/NDF: 148.6/73



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760686.8/19

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 255.527+/-0.048 χ^2/NDF:2627716.4/18

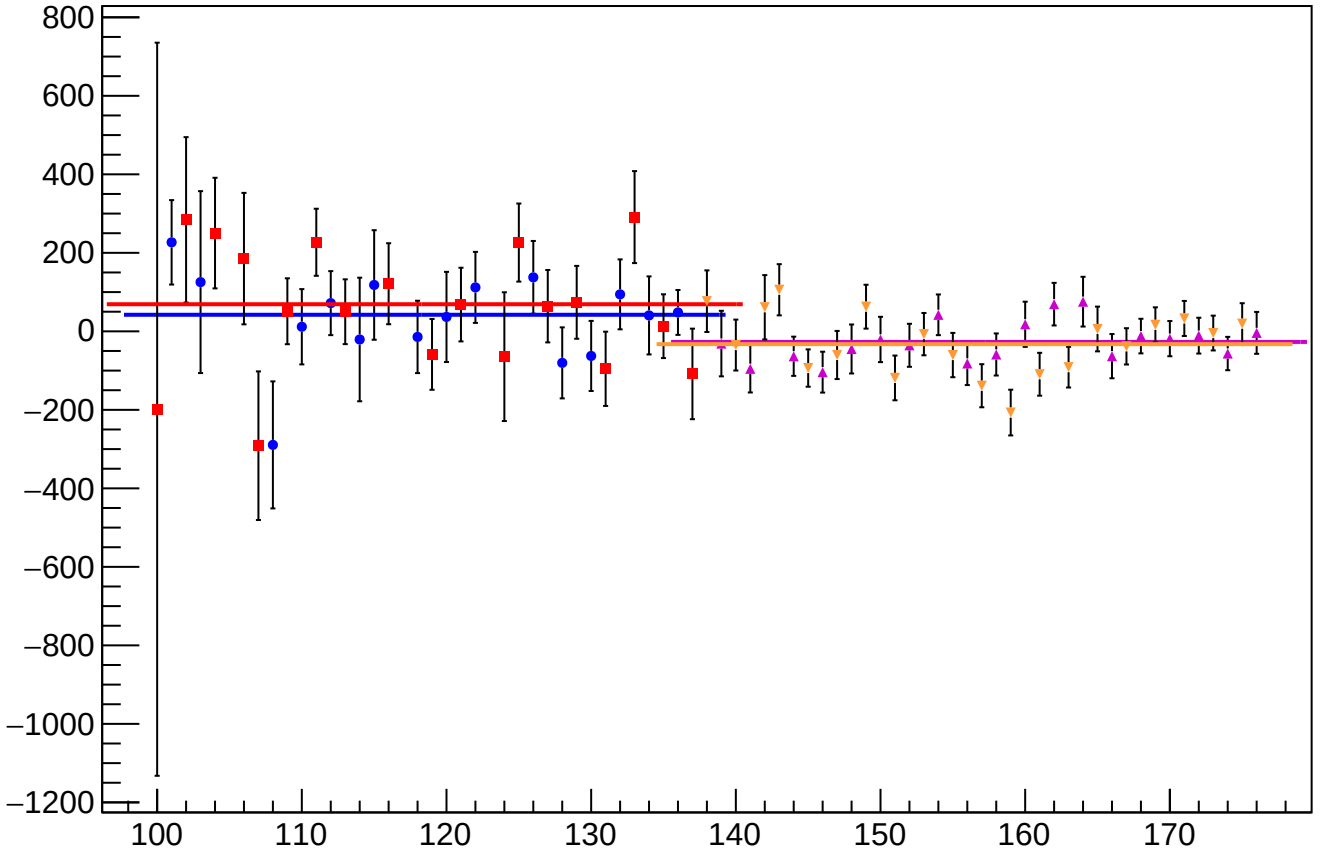
Left: 261.249+/-0.035 χ^2/NDF: 5417541.0/38

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 283.338+/-0.046 χ^2/NDF:7586986.8/34

Out: 297.053+/-0.048 χ^2/NDF:7564496.8/38

All: 289.990+/-0.033 χ^2/NDF: 15193891.6/73



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.953+/-12.189 χ^2/NDF:15.0/18

Left: -29.796+/-8.606 χ^2/NDF: 51.6/38

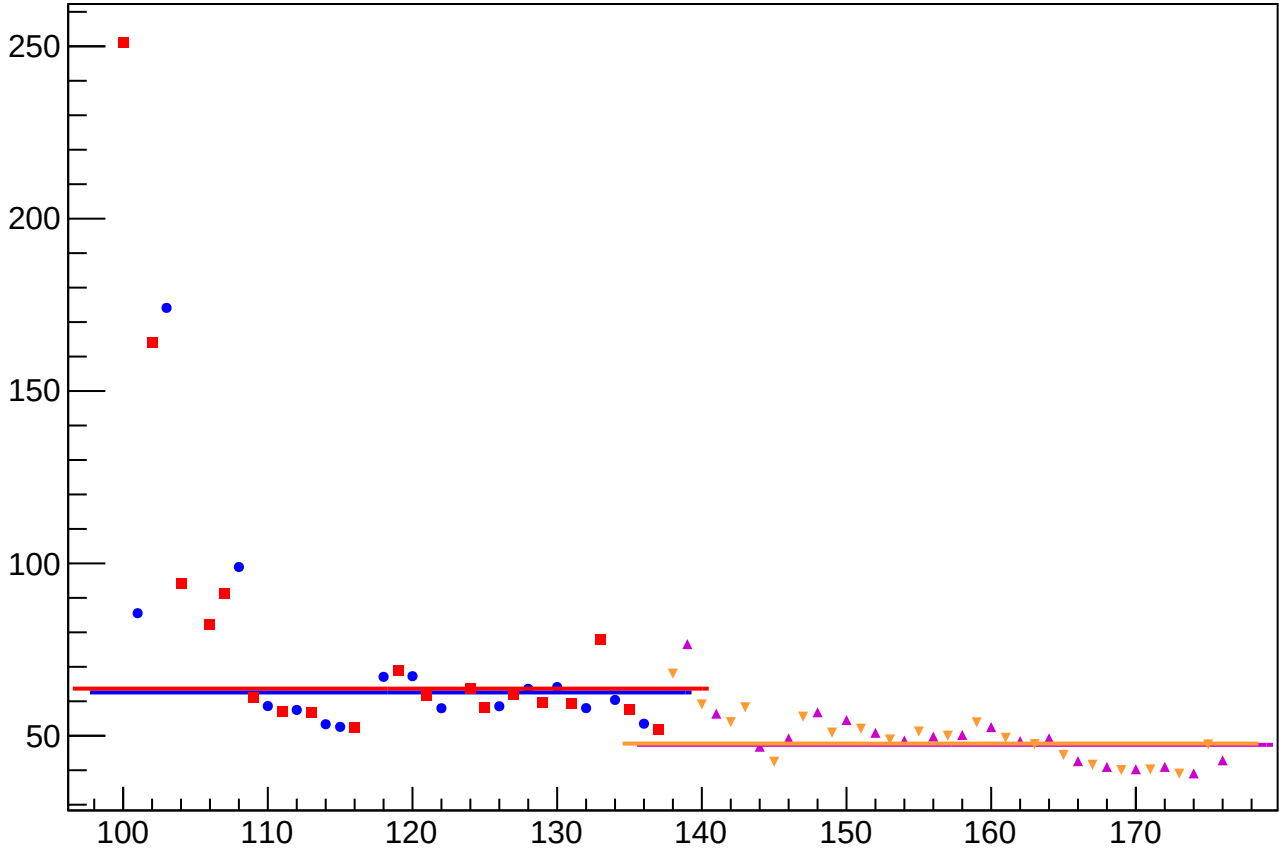
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -12.963+/-10.887 χ^2/NDF:35.1/34

Out: -12.434+/-10.881 χ^2/NDF:75.6/38

All: -12.699+/-7.696 χ^2/NDF: 110.7/73

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

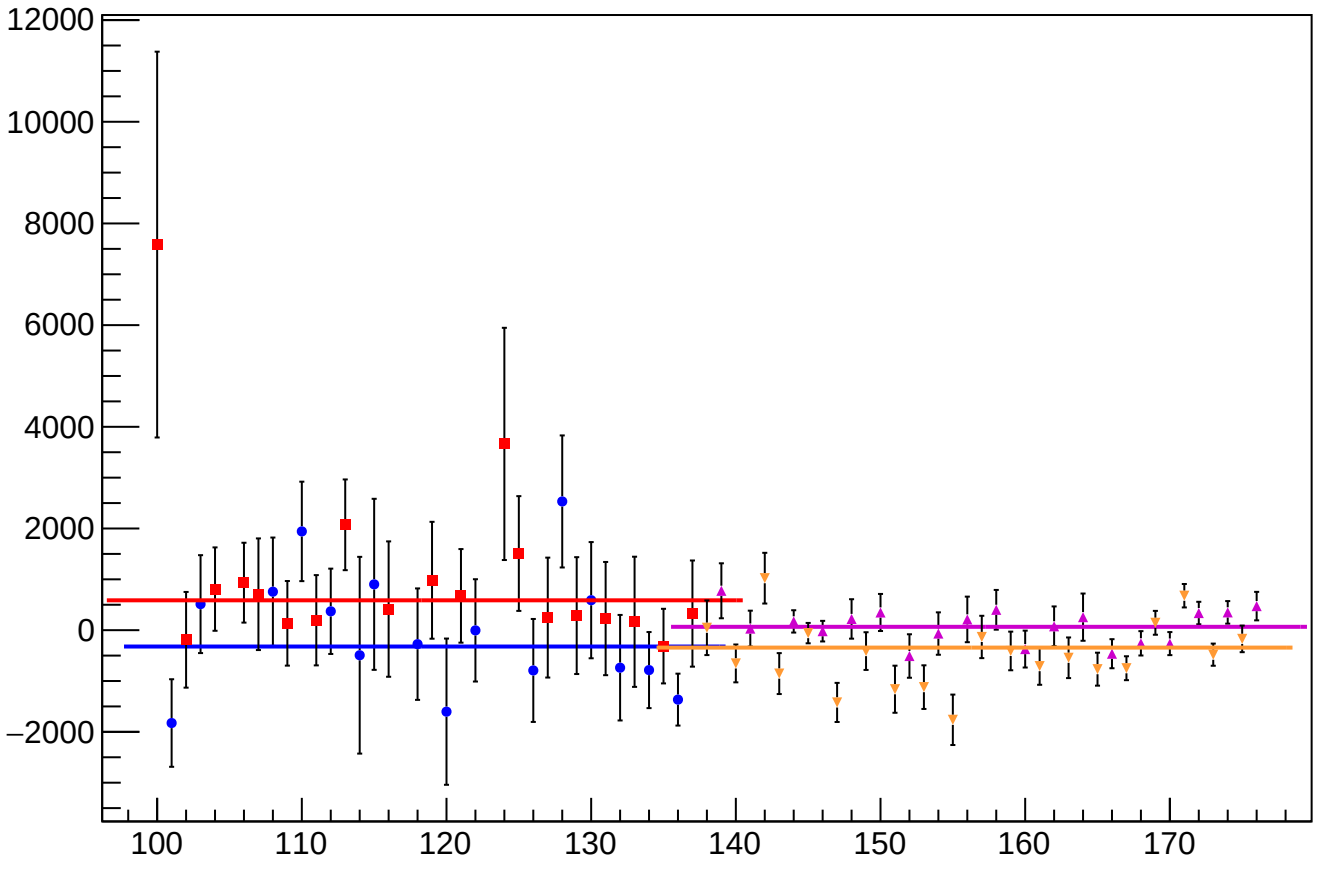
Left: 47.552+/-0.006 χ^2/NDF: 1249122.1/38

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.444+/-0.008 χ^2/NDF:2029570.3/34

Out: 50.898+/-0.008 χ^2/NDF:2120580.9/38

All: 50.671+/-0.005 χ^2/NDF: 4151892.2/73



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 65.922+/-68.223 χ^2/NDF:19.9/18

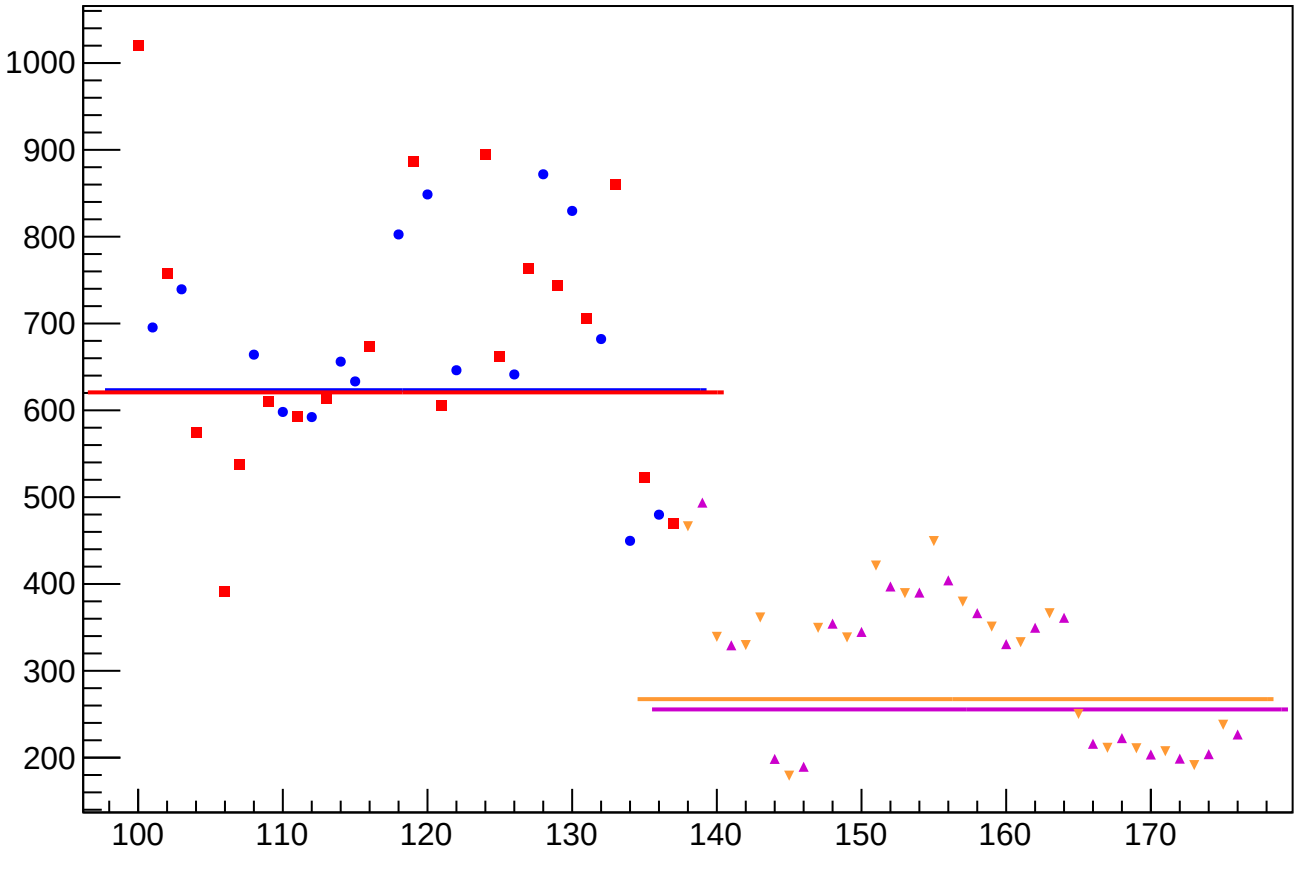
Left: -131.415+/-49.063 χ^2/NDF: 103.0/38

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 36.603+/-65.592 χ^2/NDF:45.1/34

Out: -265.234+/-67.600 χ^2/NDF:92.5/38

All: -109.764+/-47.074 χ^2/NDF: 147.8/73



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

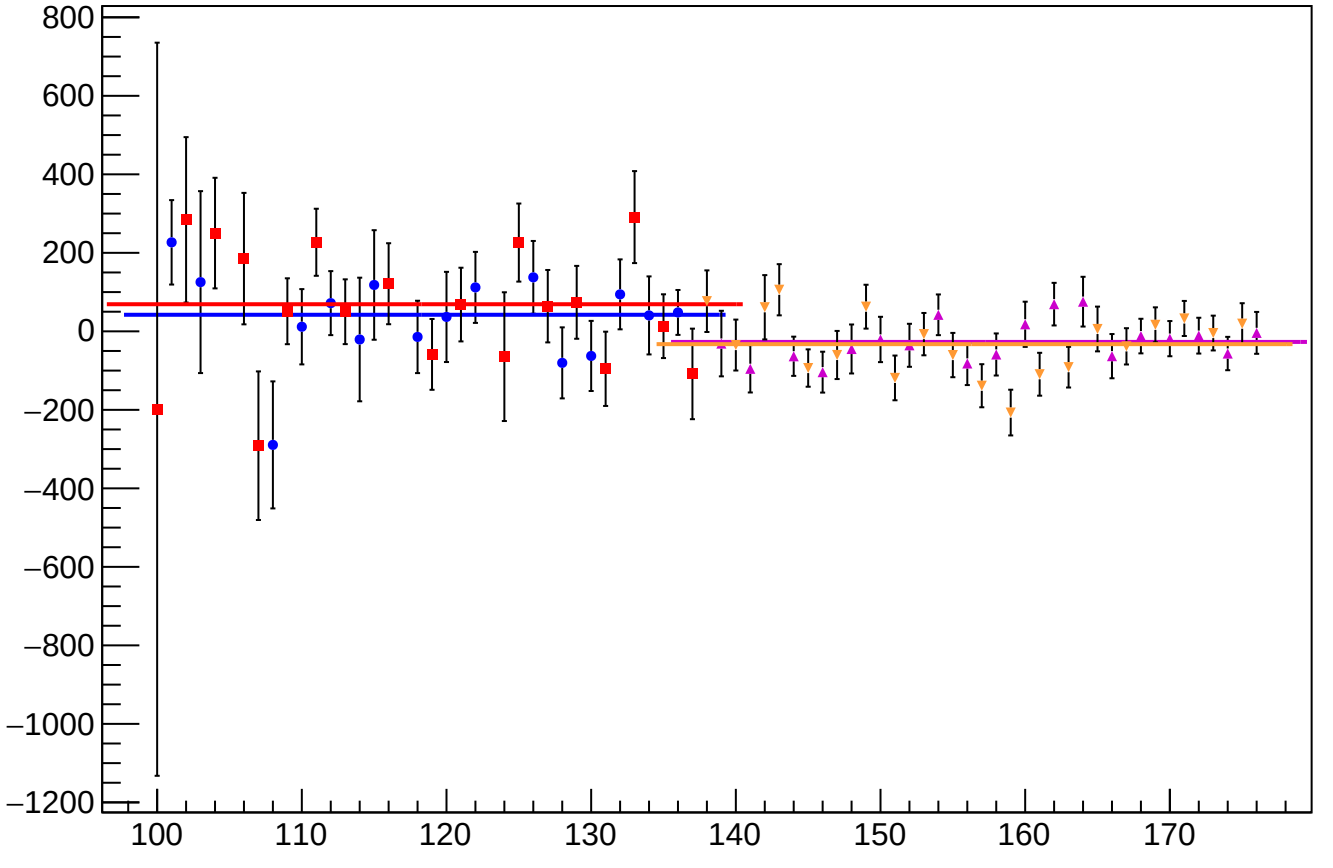
Left: 261.249+/-0.035 χ^2/NDF: 5417540.5/38

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 283.338+/-0.046 χ^2/NDF:7587030.6/34

Out: 296.843+/-0.048 χ^2/NDF:7547180.6/38

All: 289.887+/-0.033 χ^2/NDF: 15175322.6/73



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.623+/-12.154 χ^2/NDF:36.5/19

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.953+/-12.189 χ^2/NDF:15.0/18

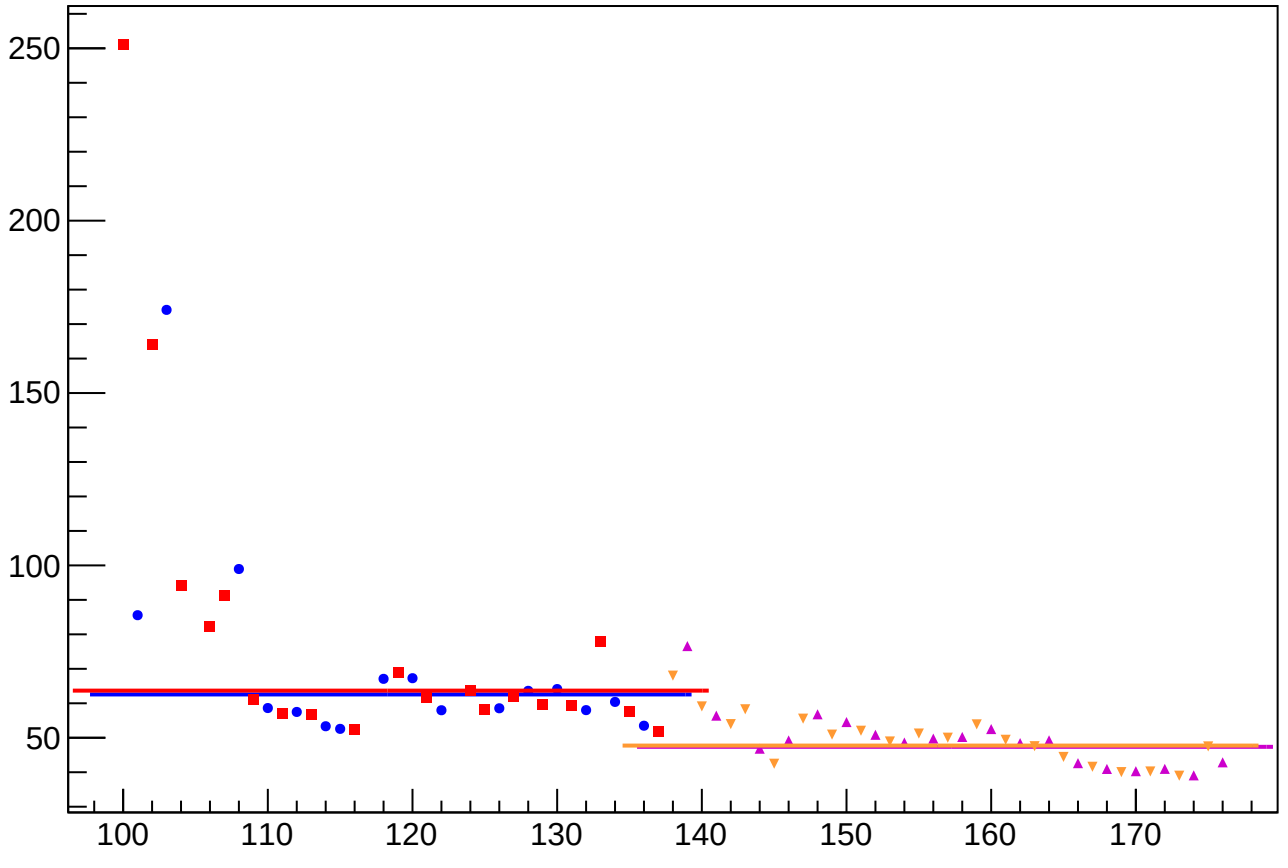
Left: -29.796+/-8.606 χ^2/NDF: 51.6/38

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -12.963+/-10.887 χ^2/NDF:35.1/34

Out: -12.434+/-10.881 χ^2/NDF:75.6/38

All: -12.699+/-7.696 χ^2/NDF: 110.7/73



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.733+/-0.009 χ^2/NDF:605951.9/19

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

Left: 47.552+/-0.006 χ^2/NDF: 1249122.1/38

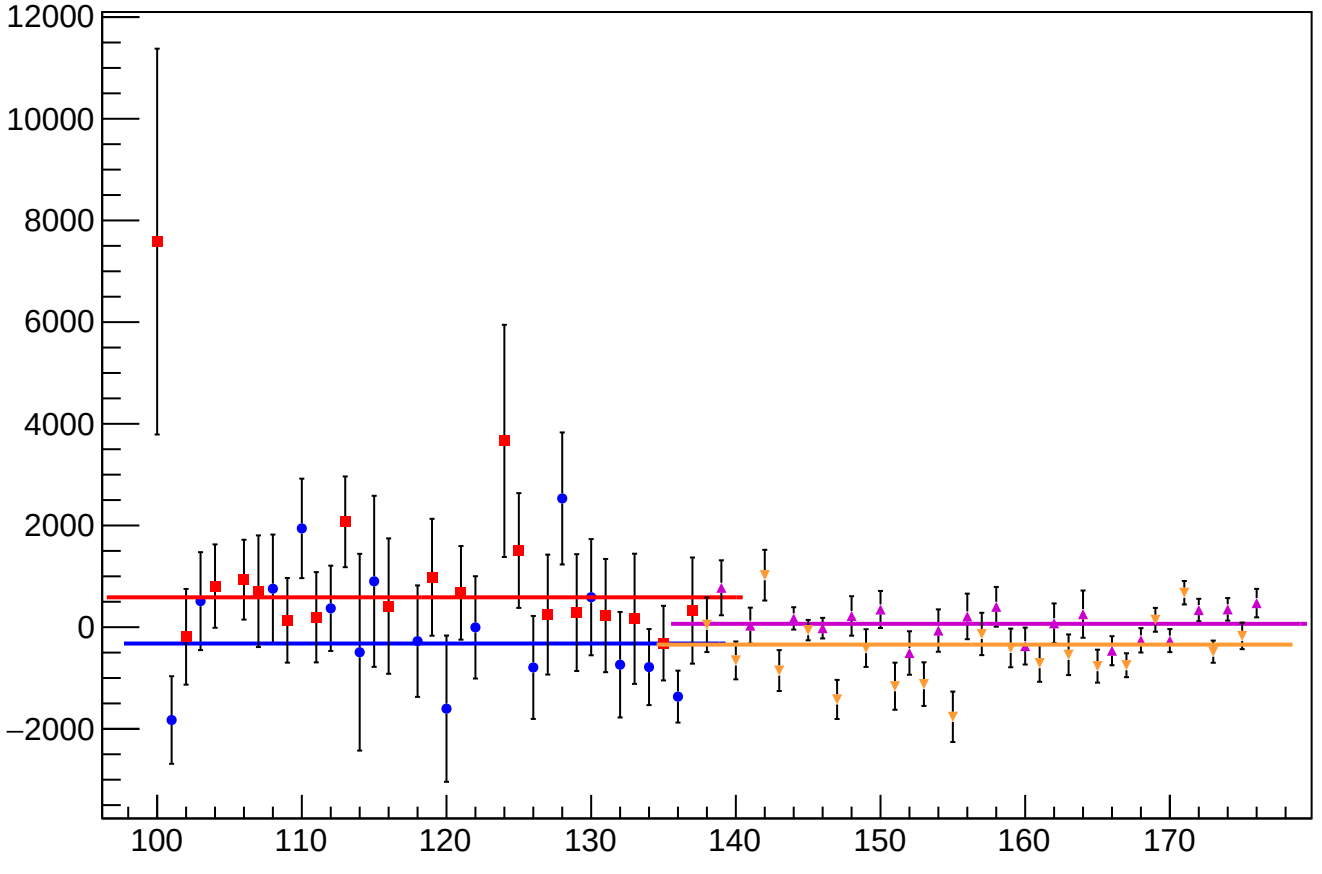
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.444+/-0.008 χ^2/NDF:2029570.3/34

Out: 50.898+/-0.008 χ^2/NDF:2120580.9/38

All: 50.671+/-0.005 χ^2/NDF: 4151892.2/73

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: -342.799+/-70.609 χ^2/NDF:65.8/19

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 65.922+/-68.223 χ^2/NDF:19.9/18

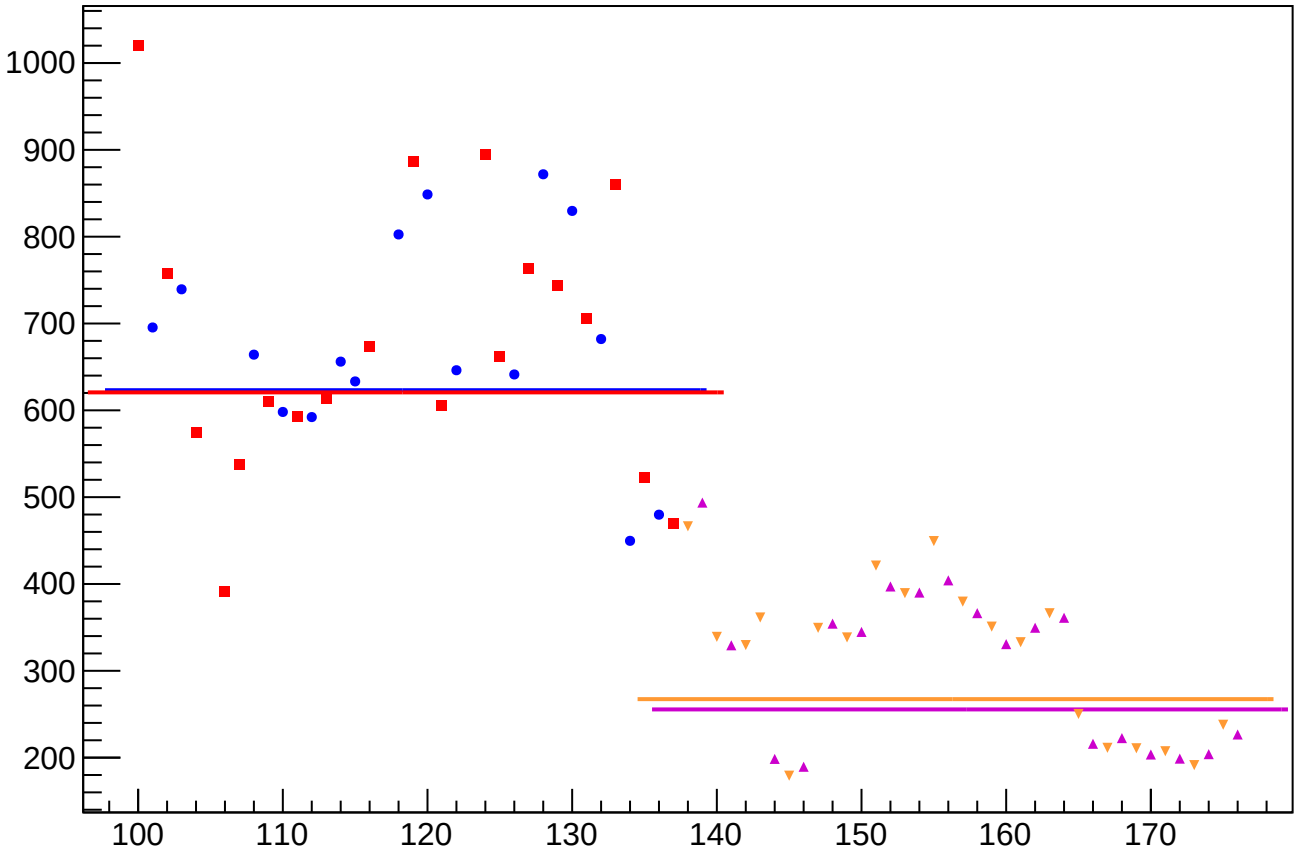
Left: -131.415+/-49.063 χ^2/NDF: 103.0/38

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 36.603+/-65.592 χ^2/NDF:45.1/34

Out: -265.234+/-67.600 χ^2/NDF:92.5/38

All: -109.764+/-47.074 χ^2/NDF: 147.8/73



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 267.378+/-0.050 χ^2/NDF:2760692.6/19

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

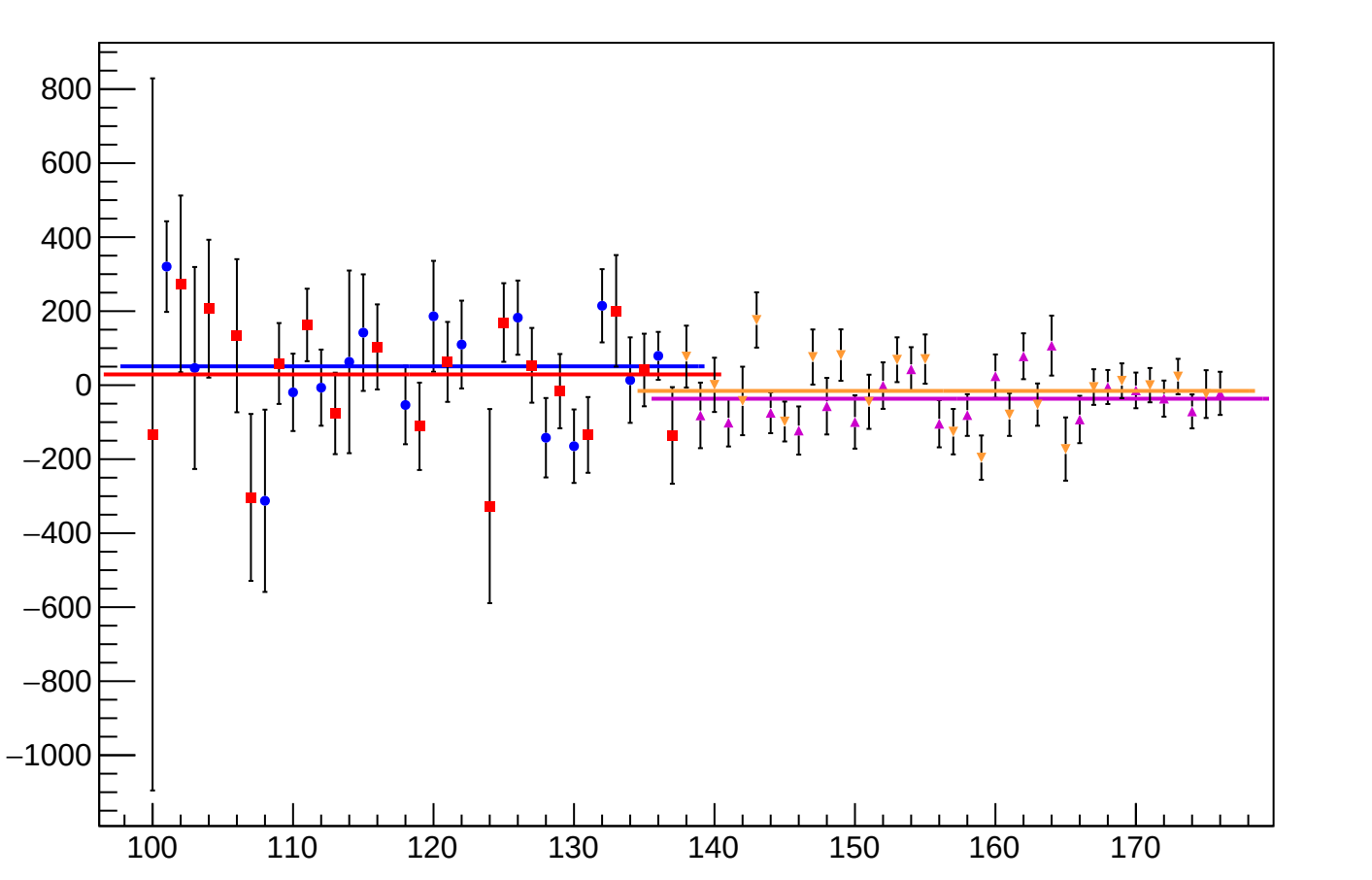
Left: 261.249+/-0.035 χ^2/NDF: 5417540.5/38

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 283.338+/-0.046 χ^2/NDF:7587030.6/34

Out: 296.843+/-0.048 χ^2/NDF:7547180.6/38

All: 289.887+/-0.033 χ^2/NDF: 15175322.6/73



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.536+/-13.665 χ^2/NDF:36.0/19

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.649+/-13.568 χ^2/NDF:17.9/18

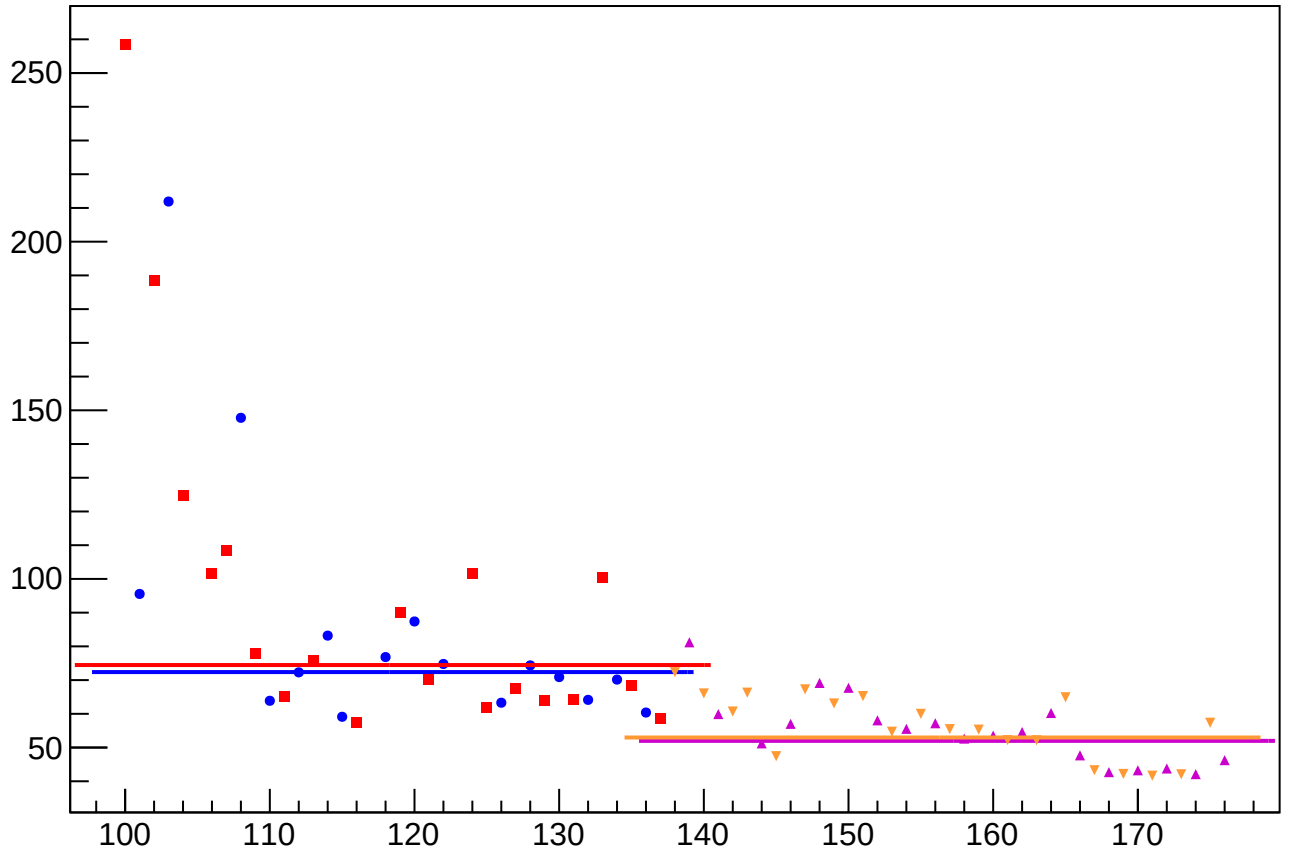
Left: -26.168+/-9.628 χ^2/NDF: 55.1/38

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -20.313+/-12.236 χ^2/NDF:48.5/34

Out: -7.395+/-12.355 χ^2/NDF:56.5/38

All: -13.916+/-8.694 χ^2/NDF: 105.5/73



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.979+/-0.010 χ^2/NDF:930670.5/19

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.978+/-0.010 χ^2/NDF:846269.9/18

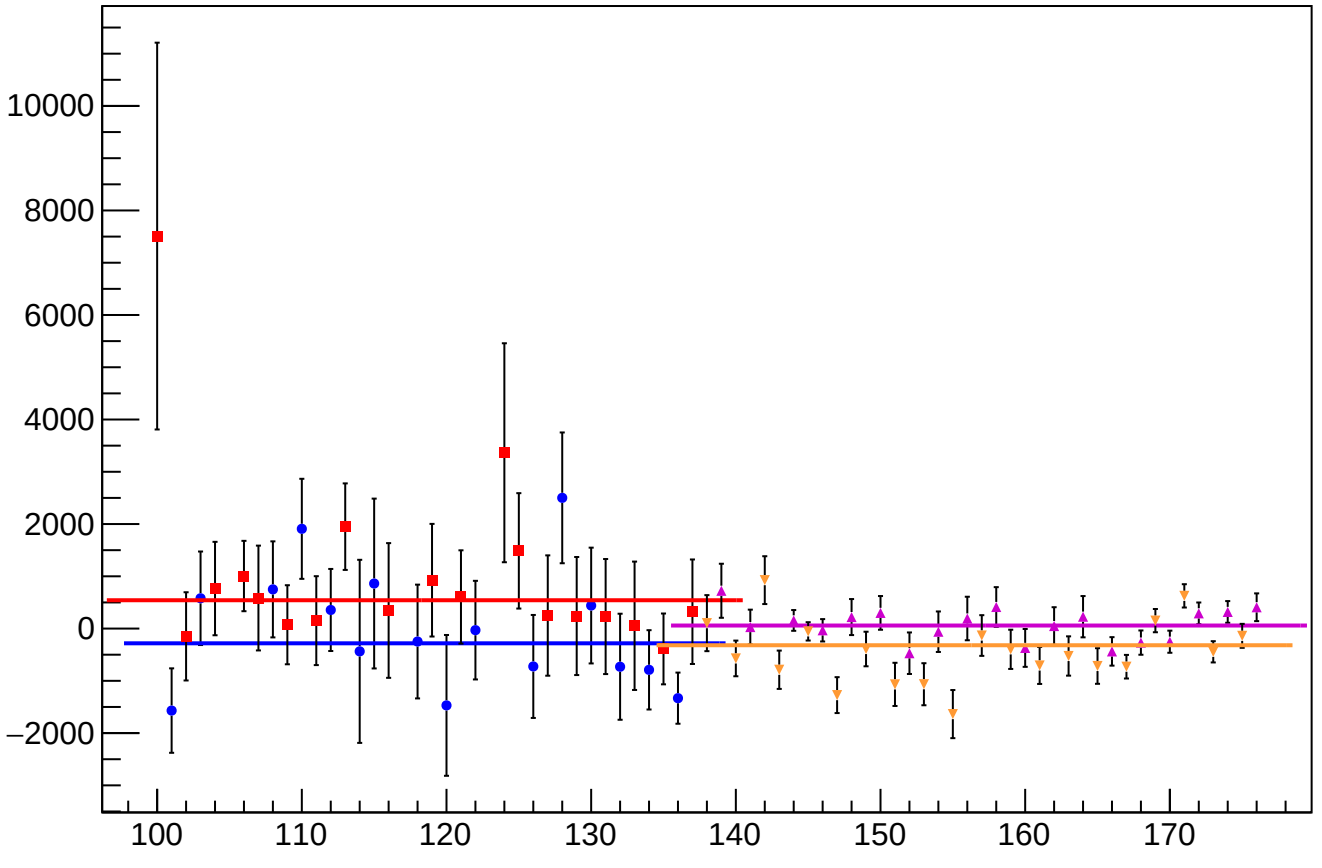
Left: 52.475+/-0.007 χ^2/NDF: 1782338.4/38

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.787+/-0.009 χ^2/NDF:2628647.7/34

Out: 56.902+/-0.009 χ^2/NDF:2885841.2/38

All: 56.339+/-0.006 χ^2/NDF: 5522716.5/73



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 58.193+/-64.486 χ^2/NDF:19.3/18

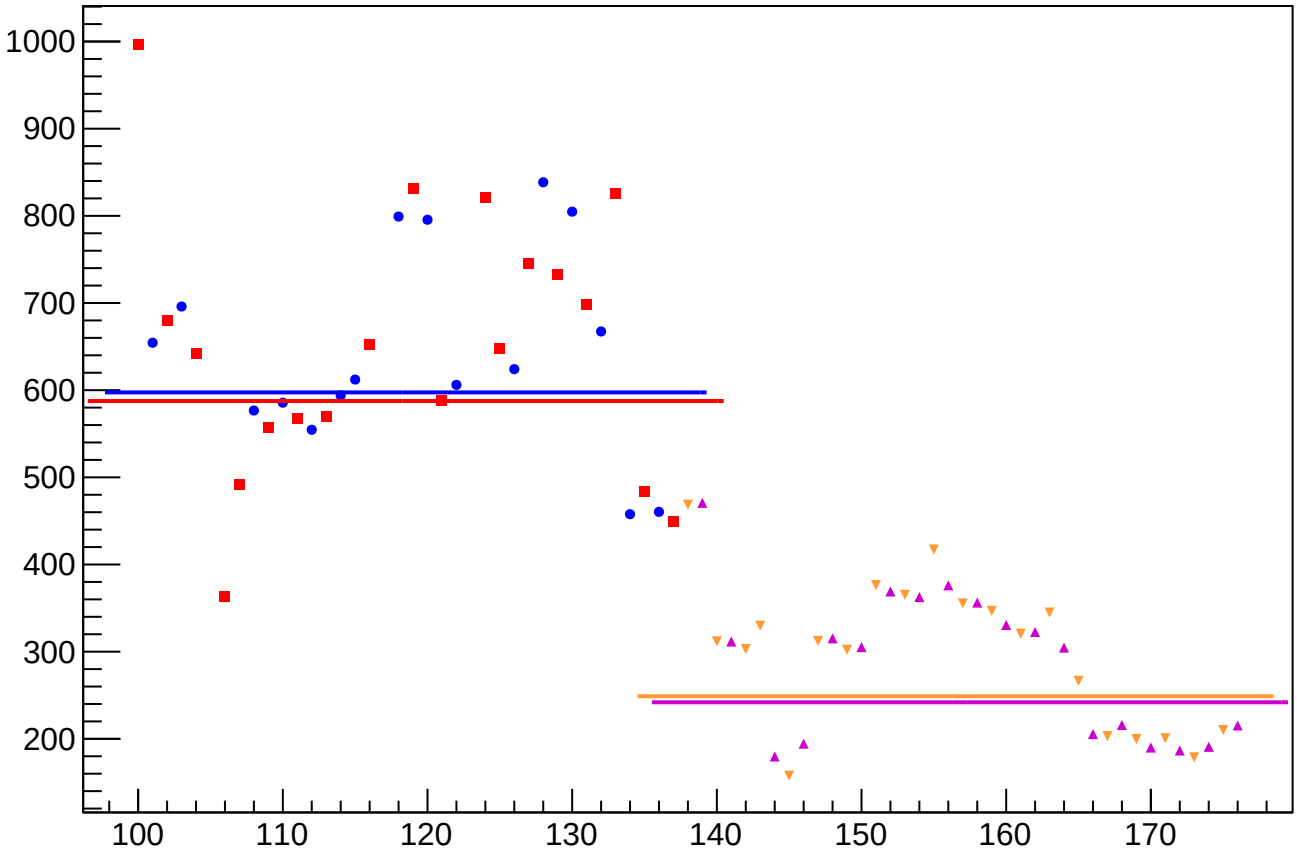
Left: -126.969+/-46.021 χ^2/NDF: 101.2/38

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 32.949+/-62.048 χ^2/NDF:44.2/34

Out: -249.170+/-62.971 χ^2/NDF:92.3/38

All: -106.027+/-44.197 χ^2/NDF: 146.6/73



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887157.6/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 241.921+/-0.046 χ^2/NDF:2464940.6/18

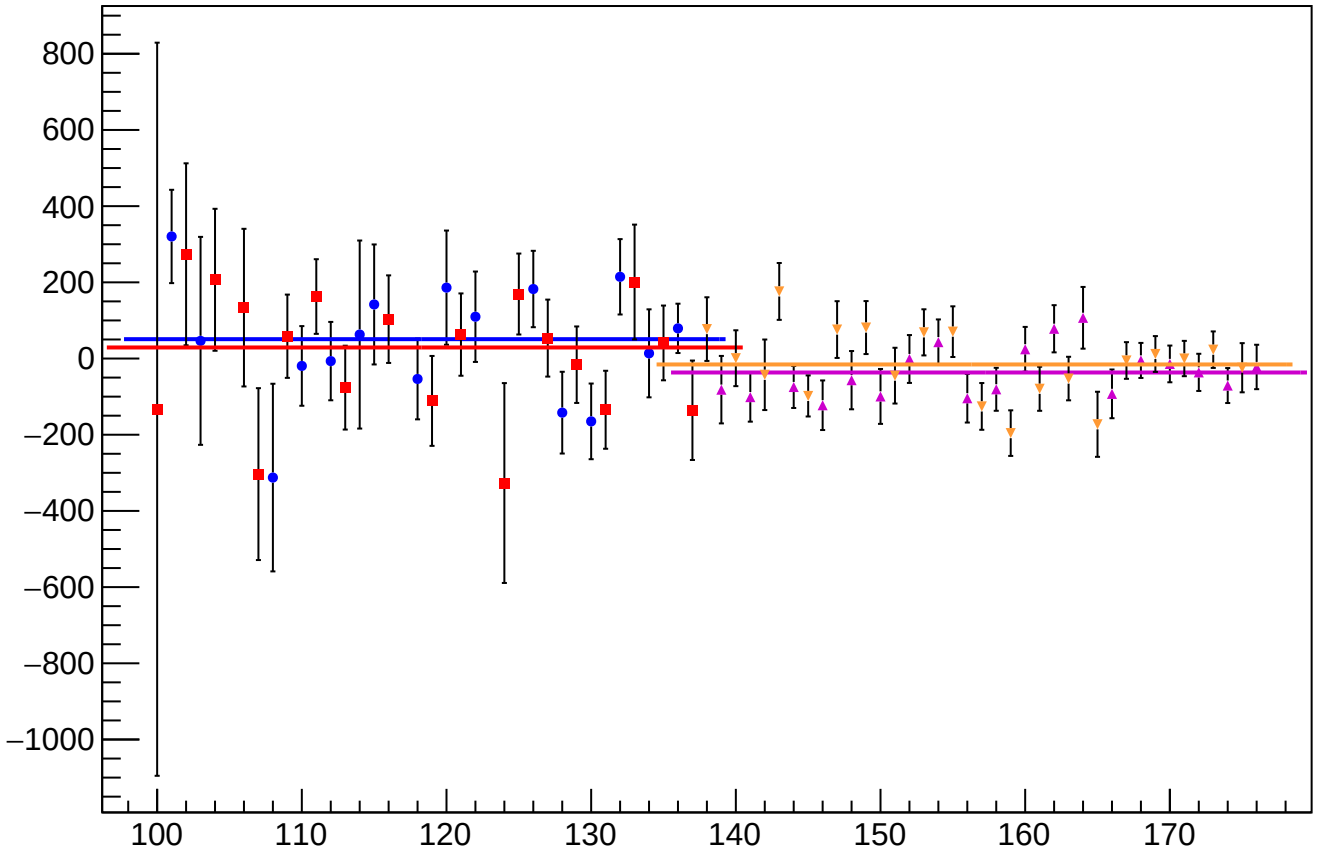
Left: 245.322+/-0.033 χ^2/NDF: 5363440.1/38

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 268.299+/-0.044 χ^2/NDF:7509014.0/34

Out: 276.377+/-0.045 χ^2/NDF:7896117.7/38

All: 272.278+/-0.031 χ^2/NDF: 15421829.0/73



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.535+/-13.666 χ^2/NDF:36.0/19

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.649+/-13.568 χ^2/NDF:17.9/18

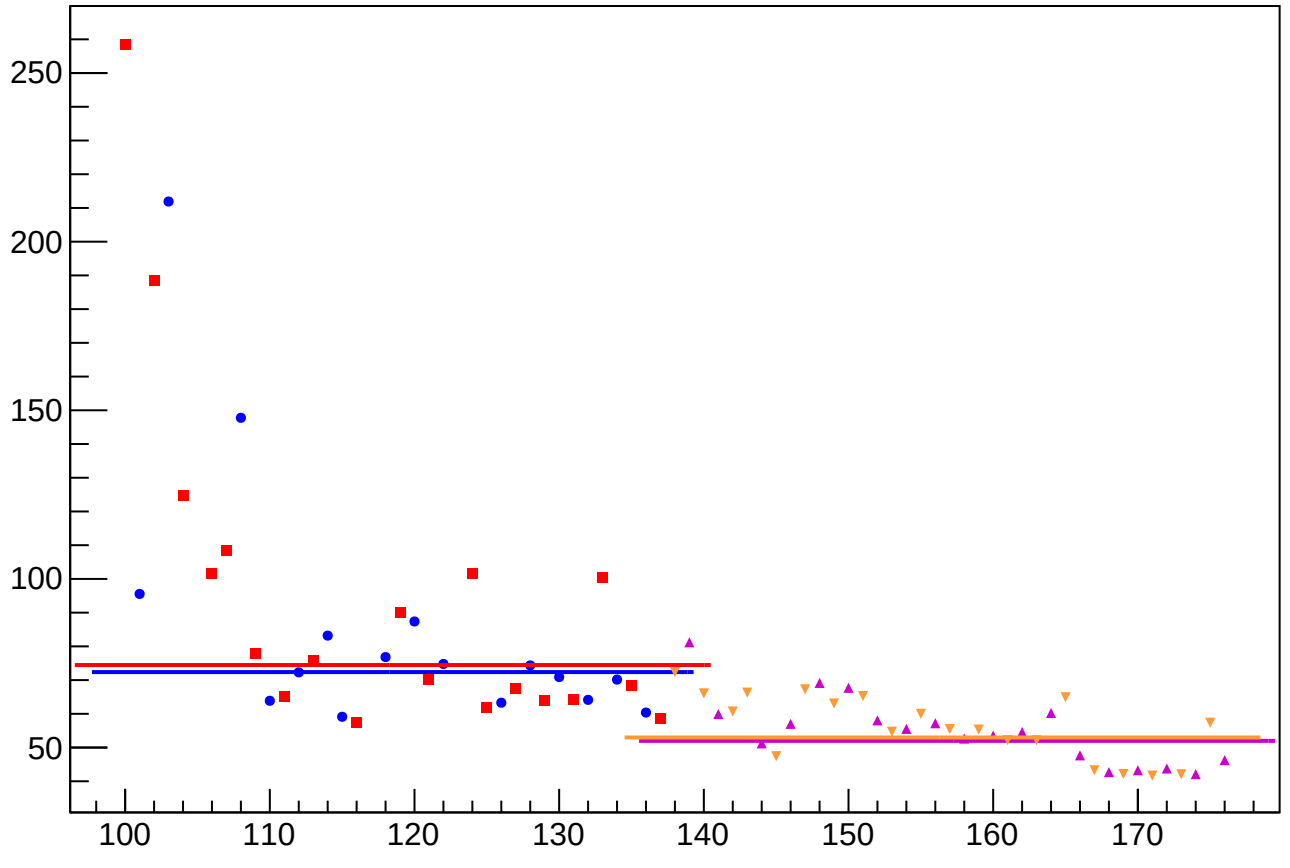
Left: -26.168+/-9.628 χ^2/NDF: 55.1/38

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -20.313+/-12.236 χ^2/NDF:48.5/34

Out: -7.394+/-12.355 χ^2/NDF:56.5/38

All: -13.916+/-8.694 χ^2/NDF: 105.6/73



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.979+/-0.010 χ^2/NDF:930692.9/19

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.978+/-0.010 χ^2/NDF:846279.7/18

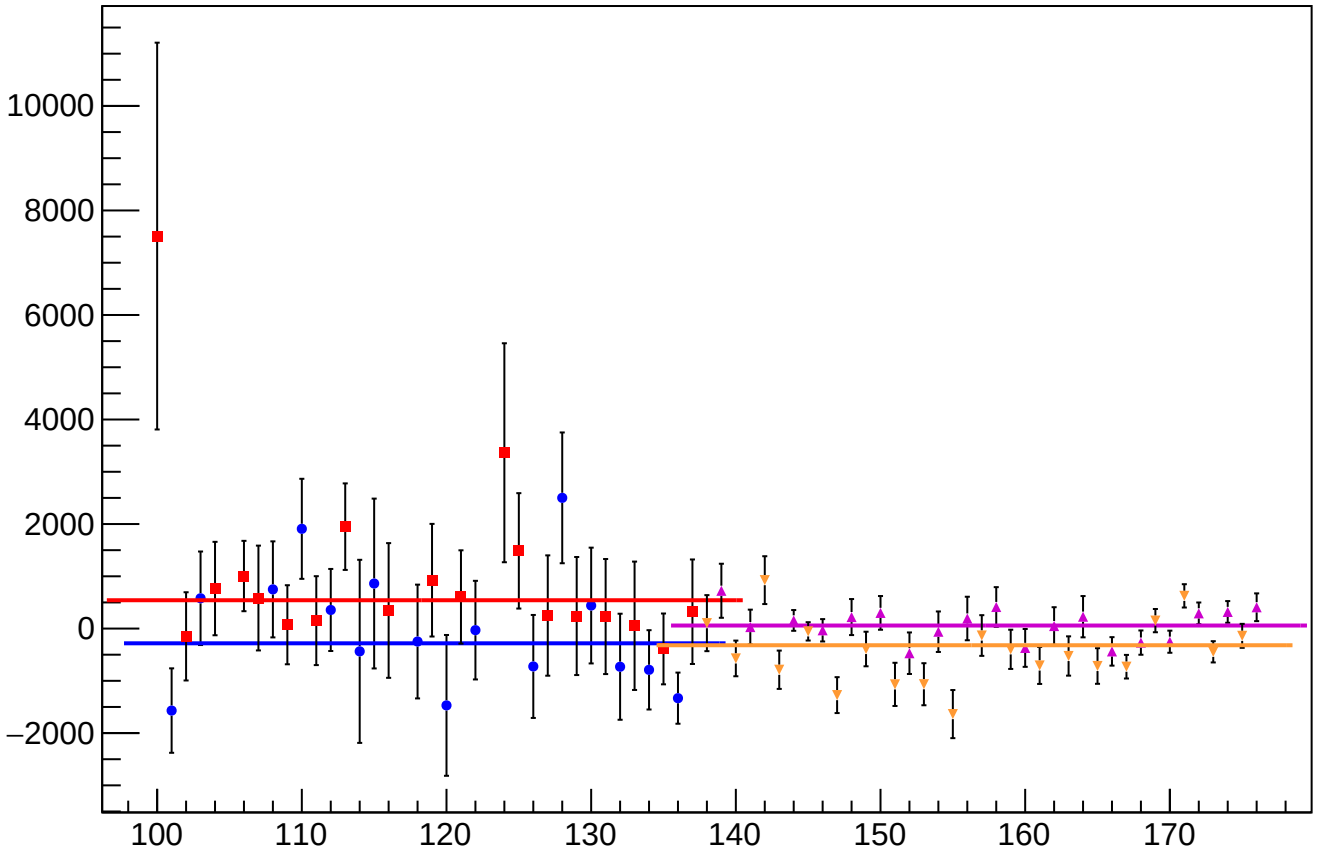
Left: 52.475+/-0.007 χ^2/NDF: 1782370.7/38

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.787+/-0.009 χ^2/NDF:2628645.0/34

Out: 56.903+/-0.009 χ^2/NDF:2885843.4/38

All: 56.339+/-0.006 χ^2/NDF: 5522716.3/73



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -319.149+/-65.697 χ^2/NDF:65.1/19

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 58.193+/-64.486 χ^2/NDF:19.3/18

Left: -126.970+/-46.021 χ^2/NDF: 101.2/38

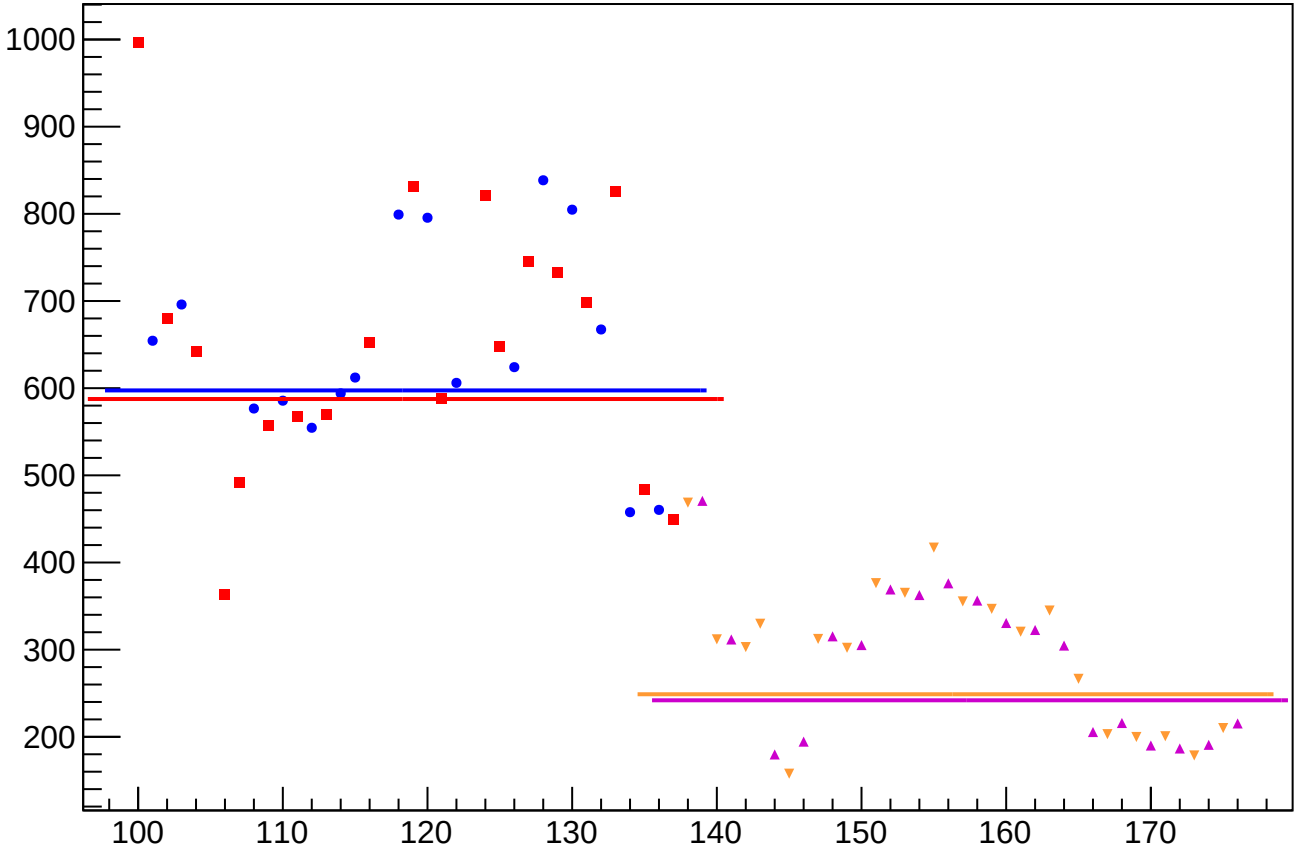
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 32.949+/-62.048 χ^2/NDF:44.2/34

Out: -249.170+/-62.971 χ^2/NDF:92.3/38

All: -106.027+/-44.197 χ^2/NDF: 146.6/73

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.853+/-0.046 χ^2/NDF:2887147.7/19

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 241.920+/-0.046 χ^2/NDF:2464934.1/18

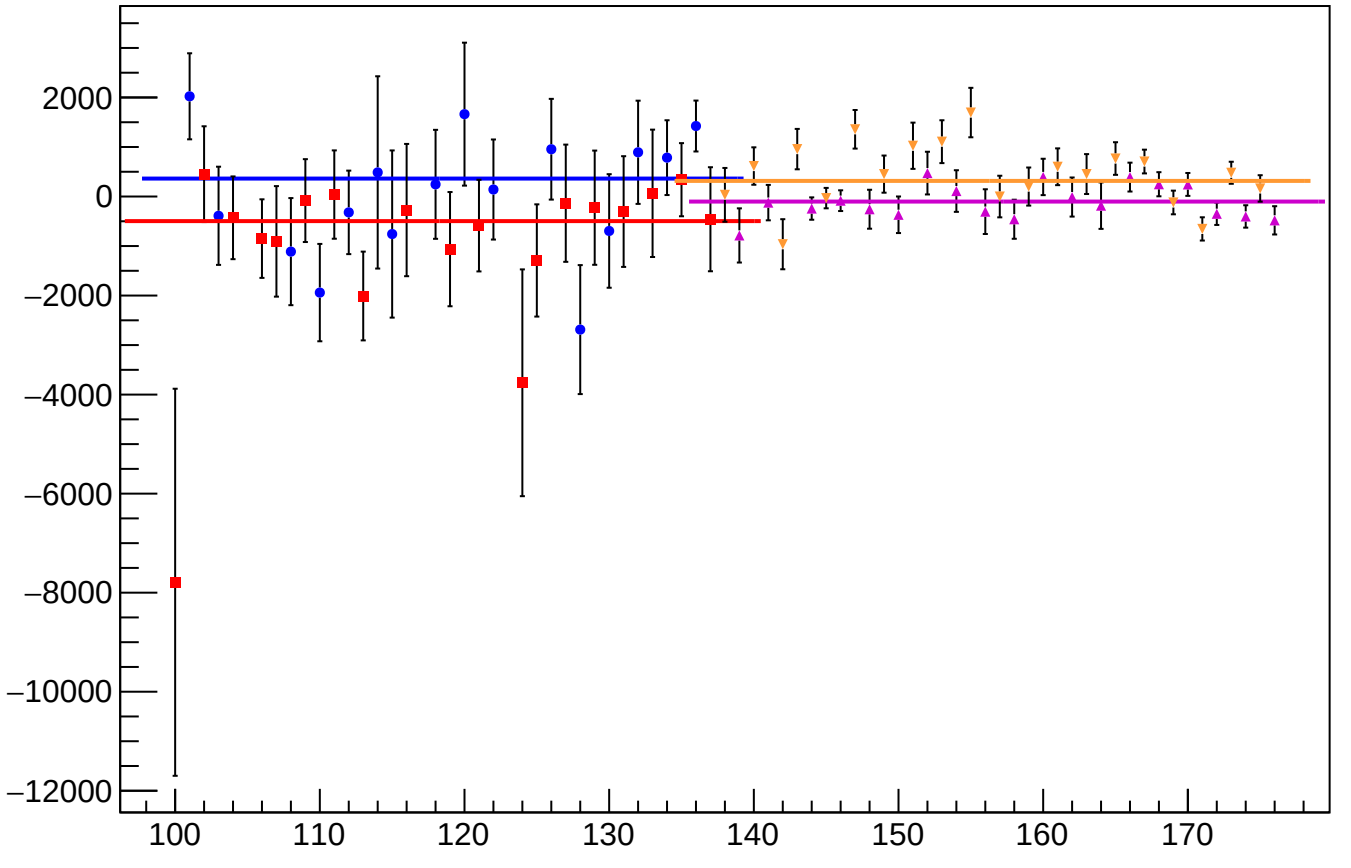
Left: 245.322+/-0.033 χ^2/NDF: 5363423.8/38

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 268.299+/-0.044 χ^2/NDF:7509016.0/34

Out: 276.377+/-0.045 χ^2/NDF:7896106.7/38

All: 272.278+/-0.031 χ^2/NDF: 15421820.4/73



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.258+/-71.825 χ^2/NDF:60.4/19

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -102.053+/-69.523 χ^2/NDF:19.5/18

Left: 99.810+/-49.954 χ^2/NDF: 97.3/38

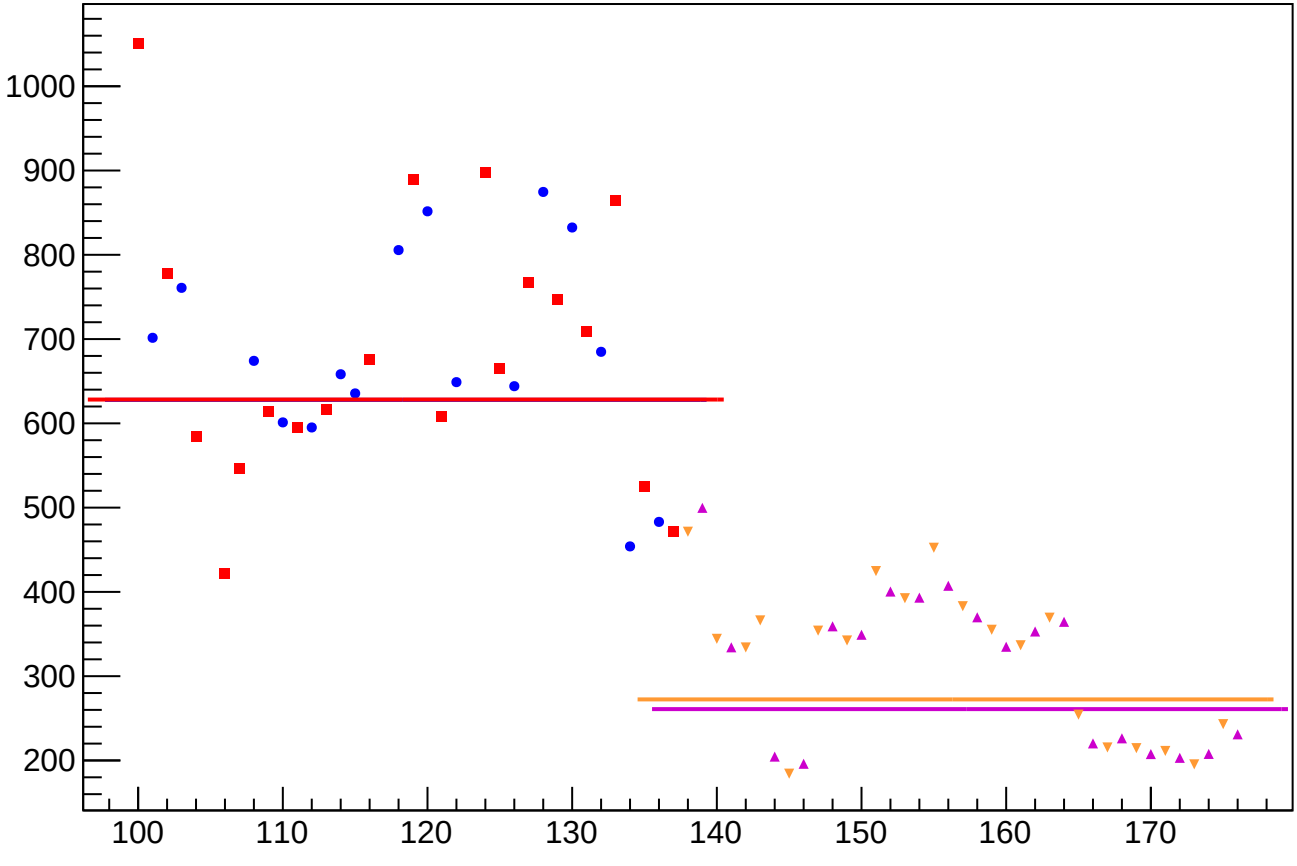
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -66.181+/-66.785 χ^2/NDF:48.0/34

Out: 246.448+/-68.713 χ^2/NDF:83.9/38

All: 85.684+/-47.891 χ^2/NDF: 142.5/73

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 272.436+/-0.051 χ^2/NDF:2669049.8/19

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 260.917+/-0.049 χ^2/NDF:2527448.3/18

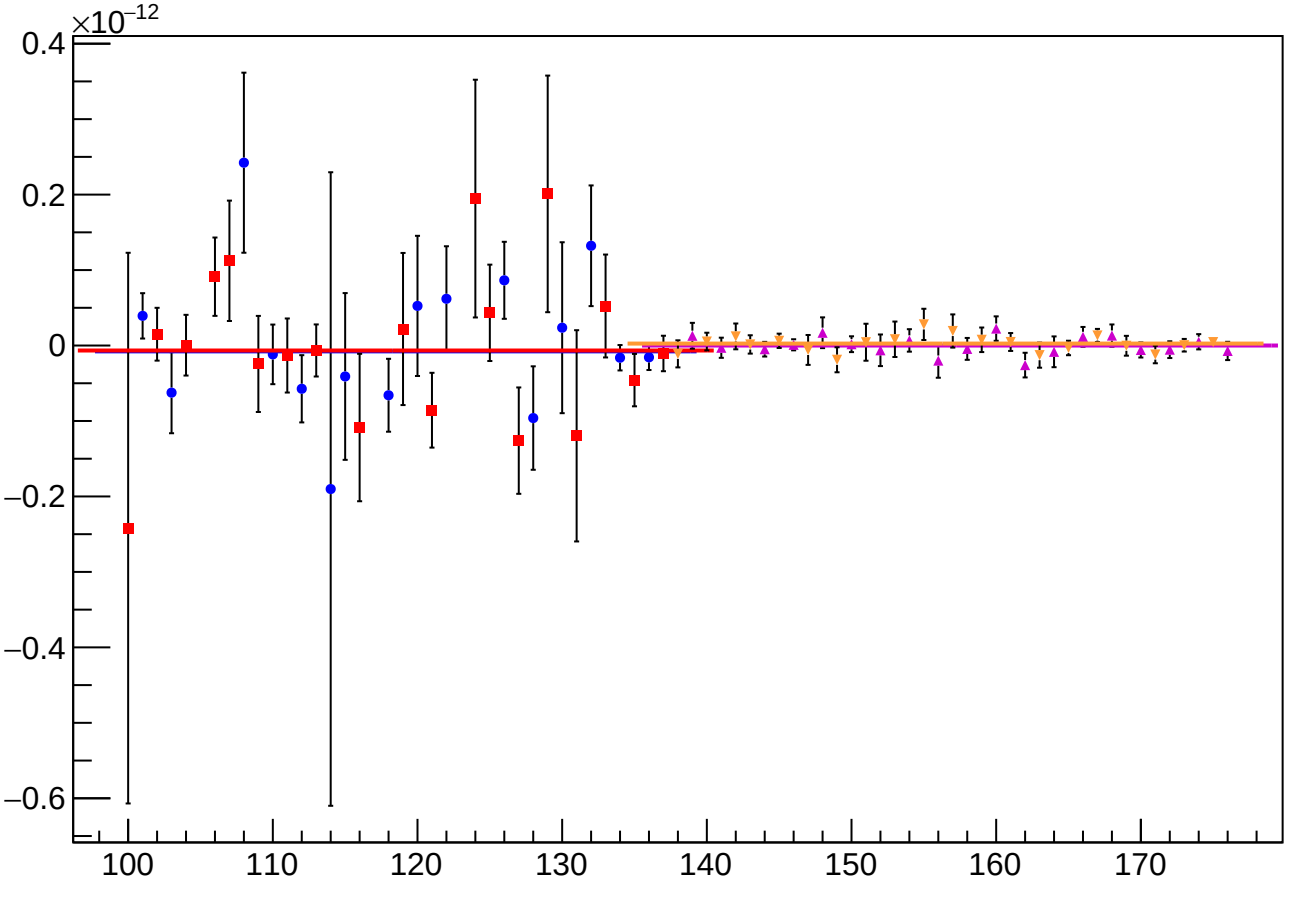
Left: 266.489+/-0.035 χ^2/NDF: 5223059.4/38

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 289.262+/-0.047 χ^2/NDF:7398361.3/34

Out: 302.593+/-0.049 χ^2/NDF:7399934.7/38

All: 295.737+/-0.034 χ^2/NDF: 14837006.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/18

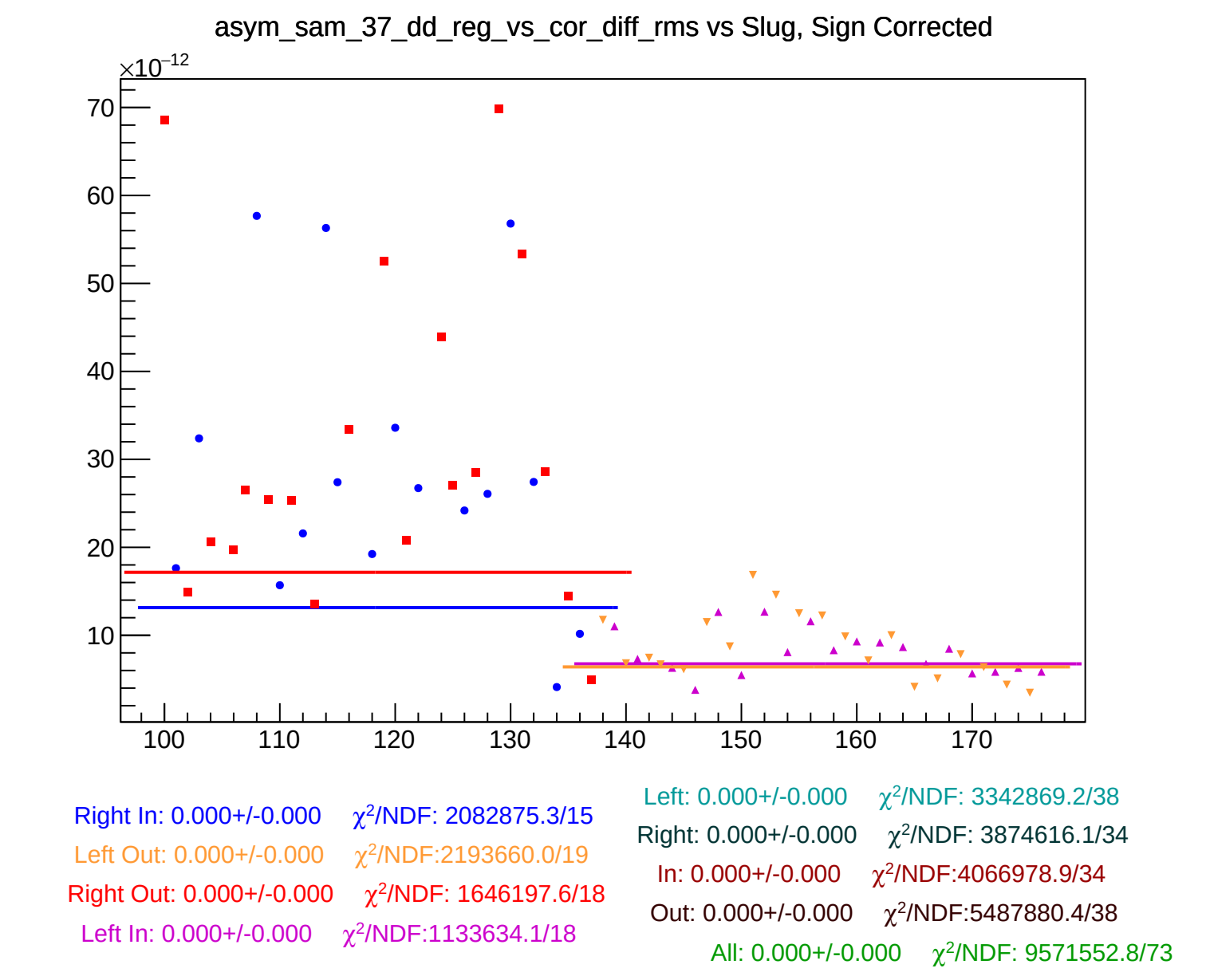
Left: 0.000+/-0.000 χ^2/NDF: 20.3/38

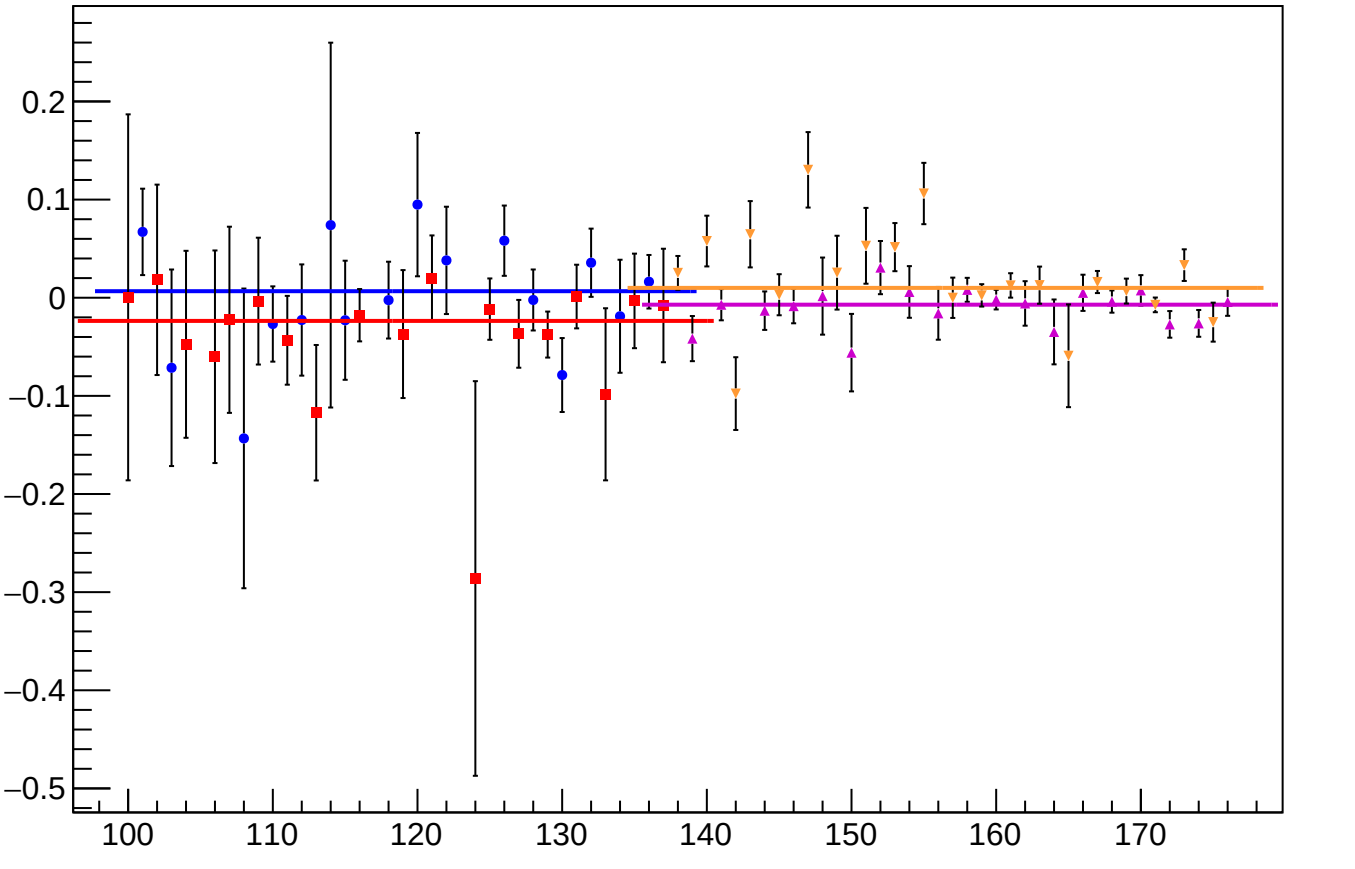
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.7/34

Out: 0.000+/-0.000 χ^2/NDF:30.3/38

All: 0.000+/-0.000 χ^2/NDF: 62.6/73


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:2193660.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1133634.1/18
Left: 0.000+/-0.000 χ²/NDF: 3342869.2/38
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4066978.9/34
Out: 0.000+/-0.000 χ²/NDF:5487880.4/38
All: 0.000+/-0.000 χ²/NDF: 9571552.8/73



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.002+/-0.003 χ^2/NDF: 76.7/38

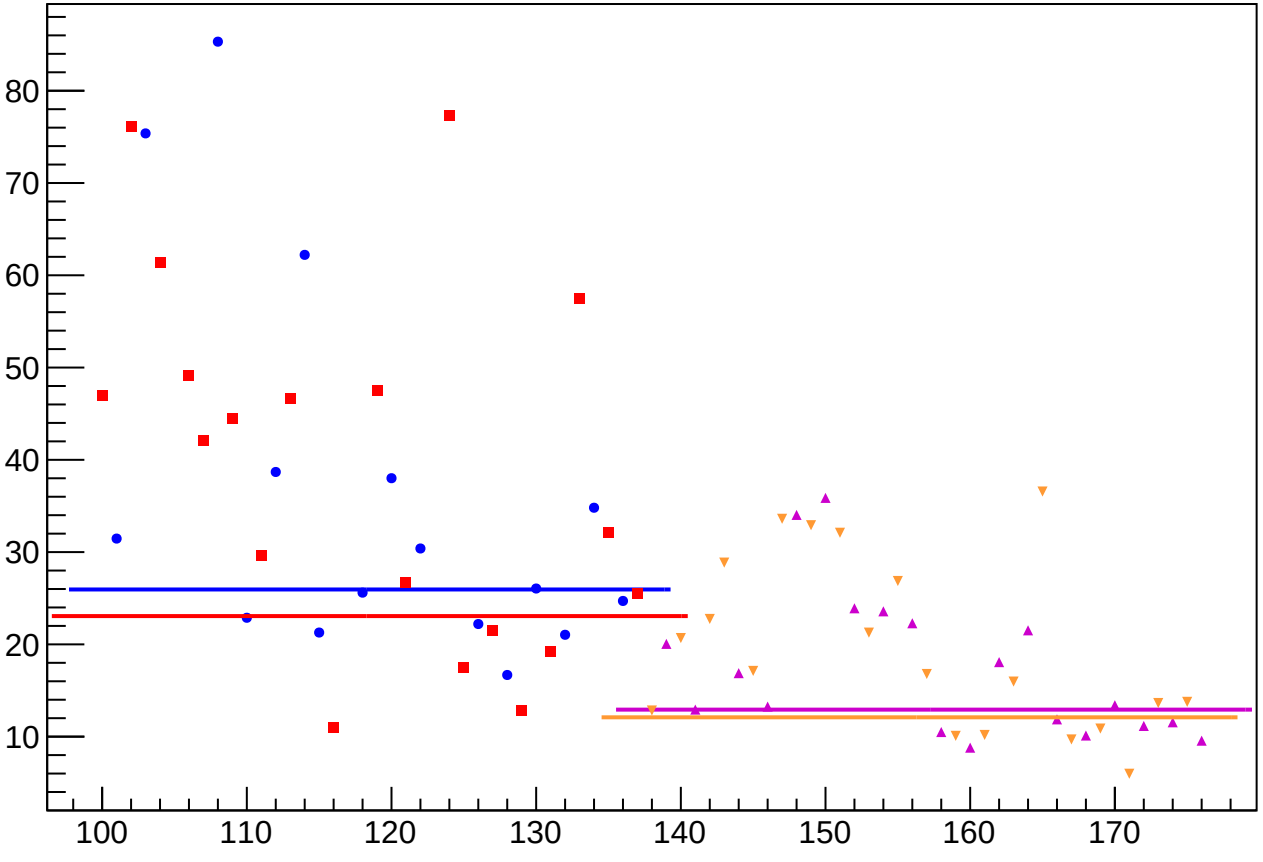
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 105.0/73

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

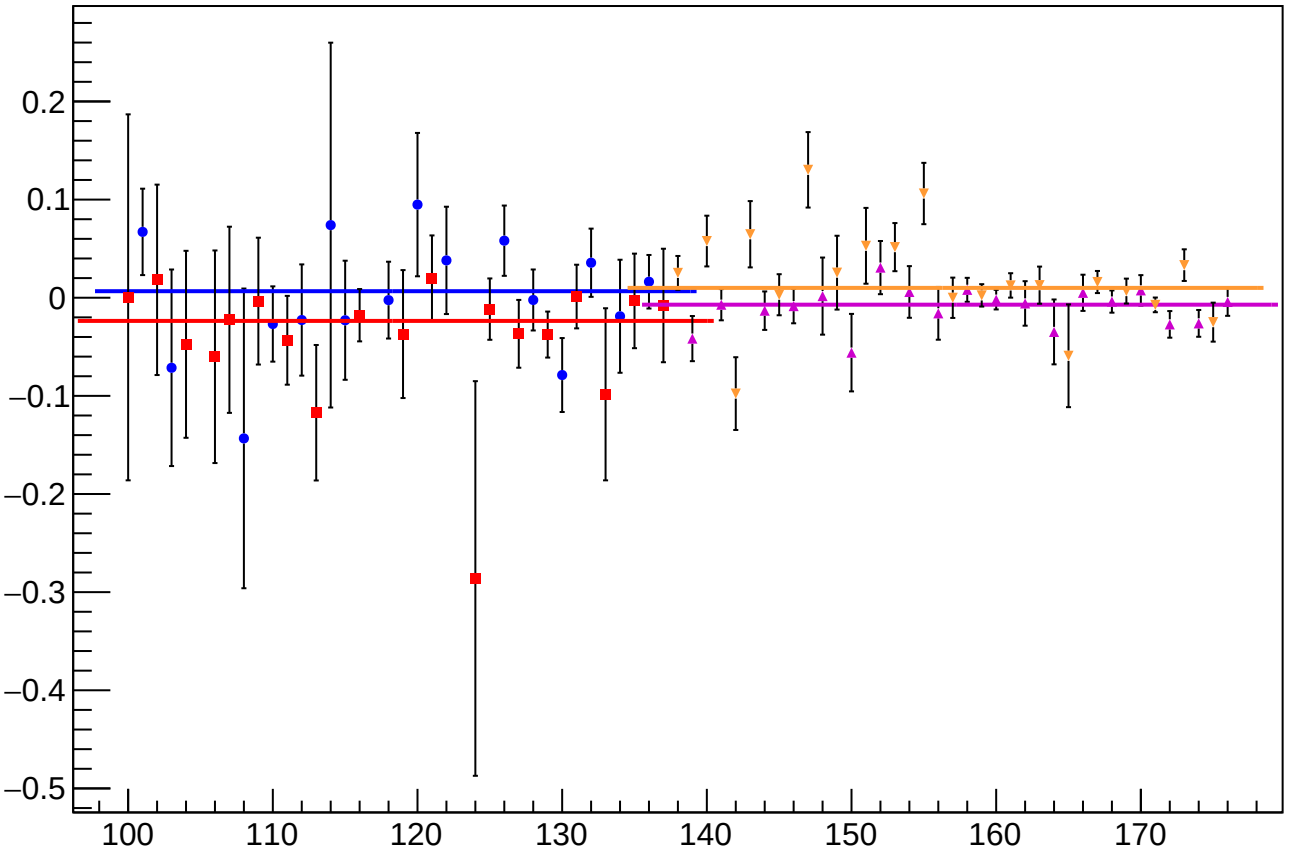
Left: 12.499+/-0.002 χ^2/NDF: 9143942.6/38

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.326+/-0.003 χ^2/NDF:7221544.4/34

Out: 13.329+/-0.002 χ^2/NDF:11010762.9/38

All: 13.812+/-0.002 χ^2/NDF: 18309772.8/73



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.002+/-0.003 χ^2/NDF: 76.7/38

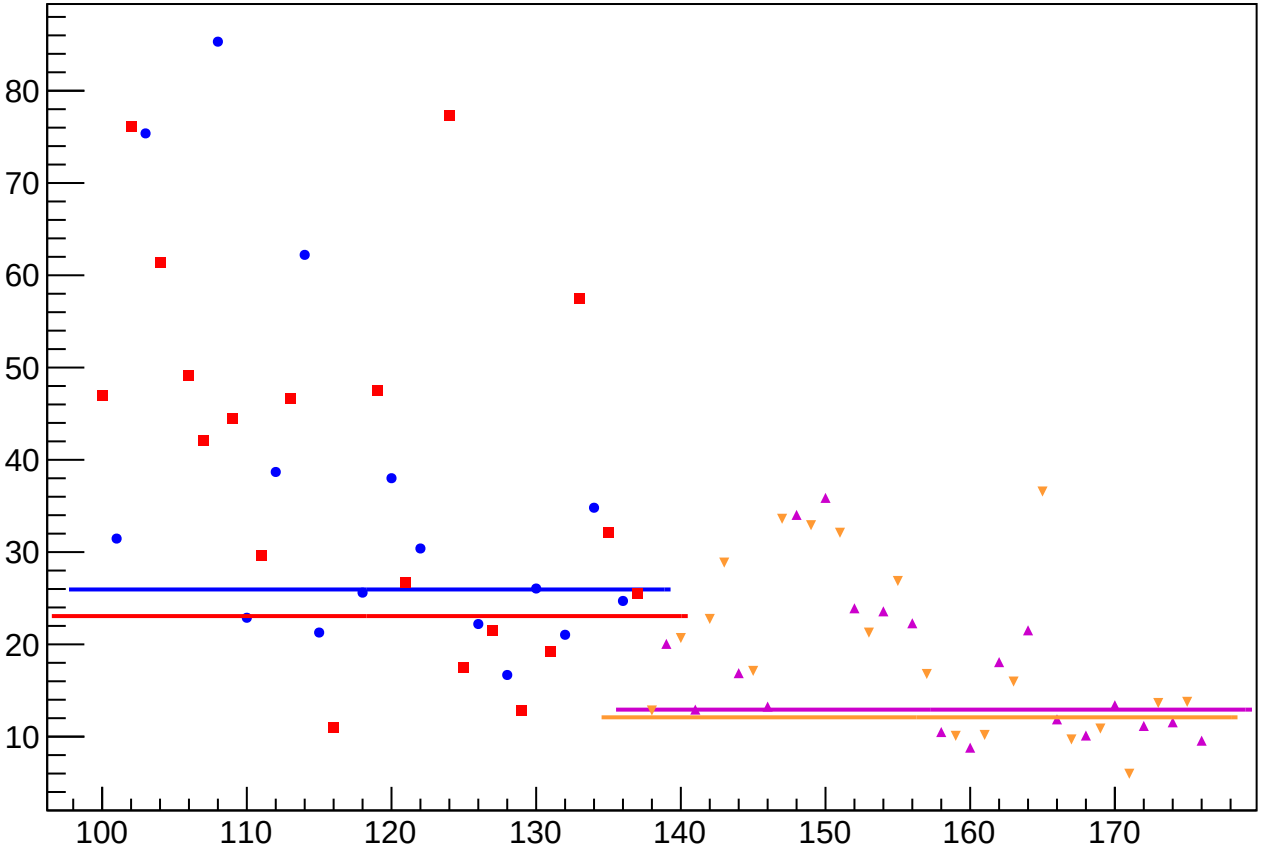
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 105.0/73

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.094+/-0.003 χ^2/NDF:5712821.2/19

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

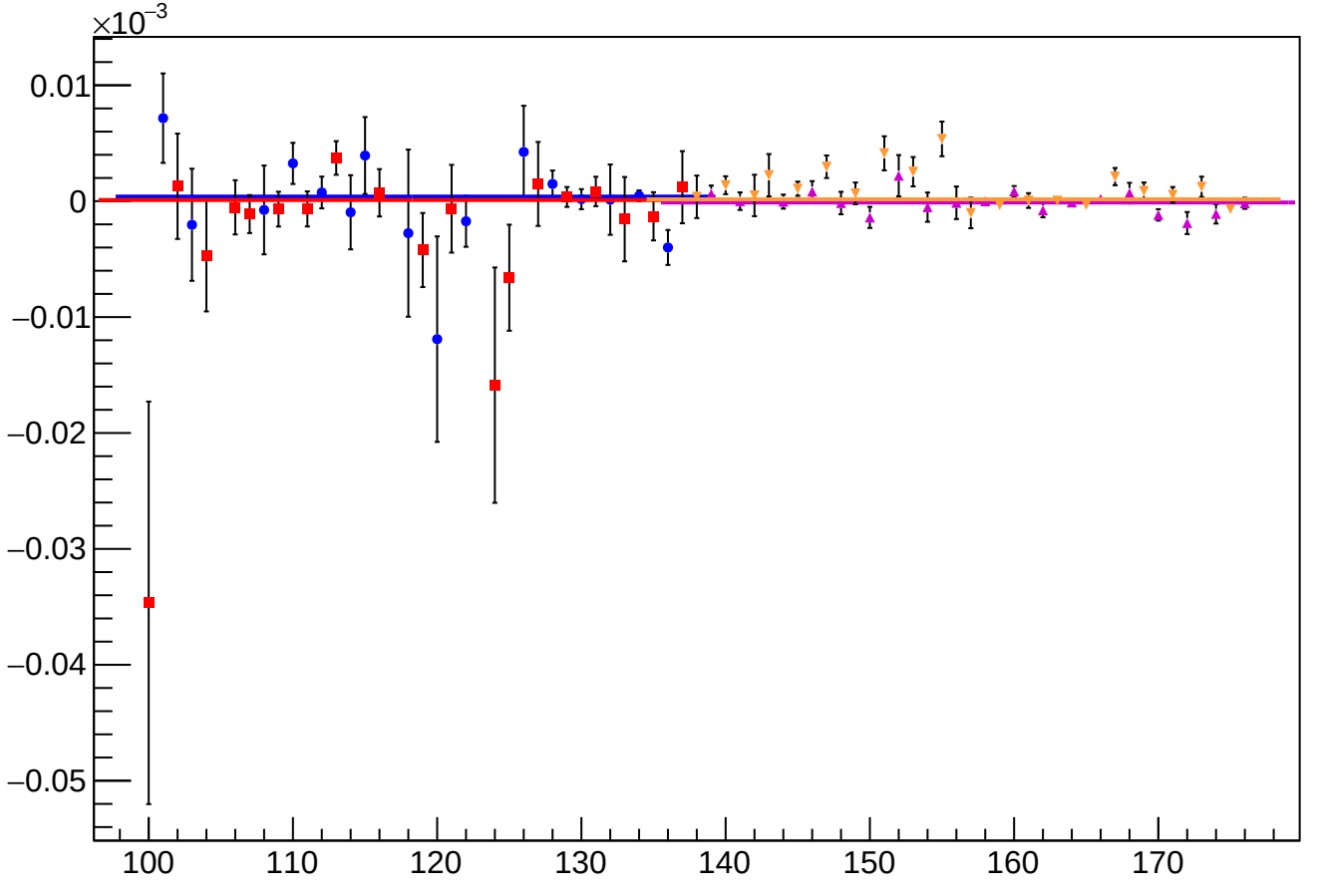
Left: 12.499+/-0.002 χ^2/NDF: 9143942.6/38

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.326+/-0.003 χ^2/NDF:7221544.4/34

Out: 13.329+/-0.002 χ^2/NDF:11010762.9/38

All: 13.812+/-0.002 χ^2/NDF: 18309772.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:58.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:22.6/18

Left: 0.000+/-0.000 χ^2/NDF: 84.1/38

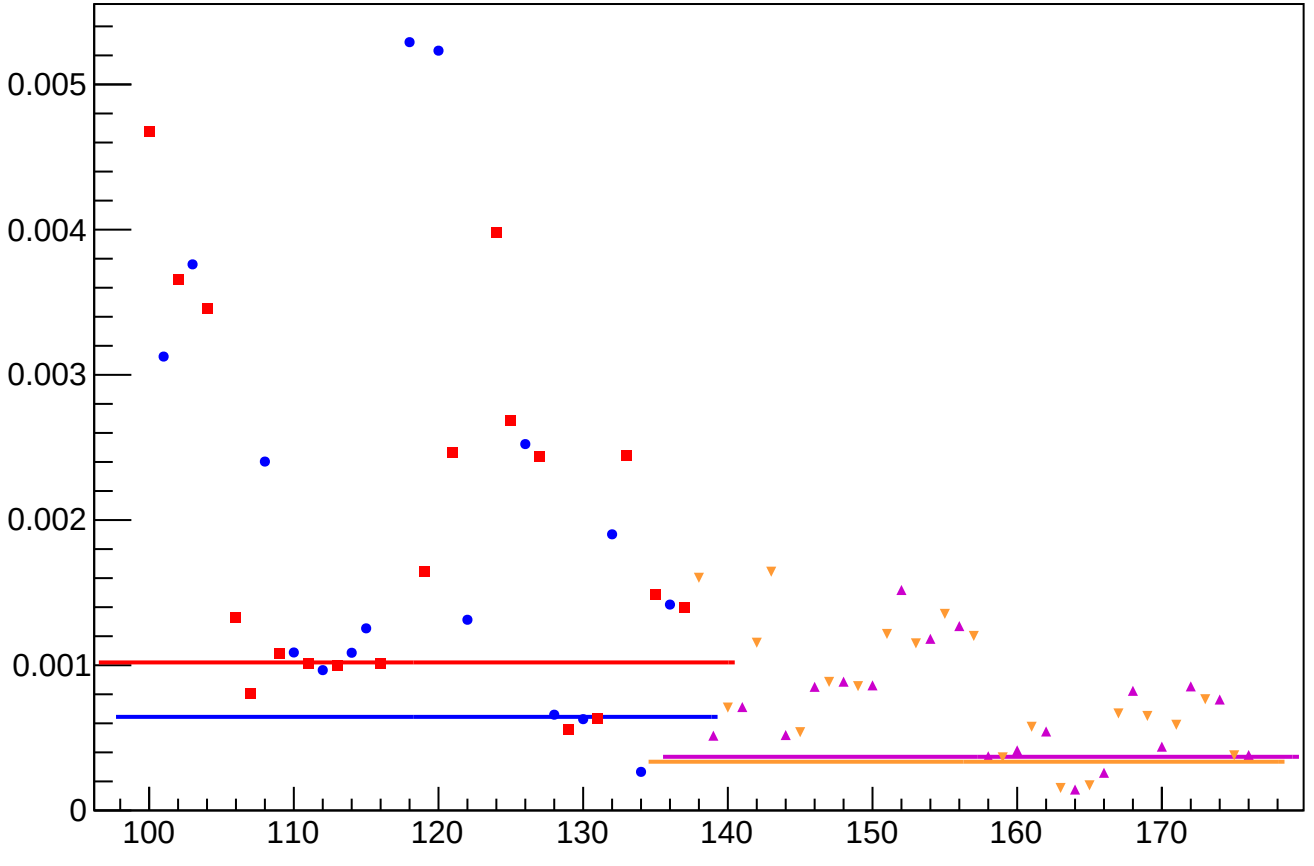
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:45.5/34

Out: 0.000+/-0.000 χ^2/NDF:79.1/38

All: 0.000+/-0.000 χ^2/NDF: 126.5/73

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12519790.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9599945.3/18

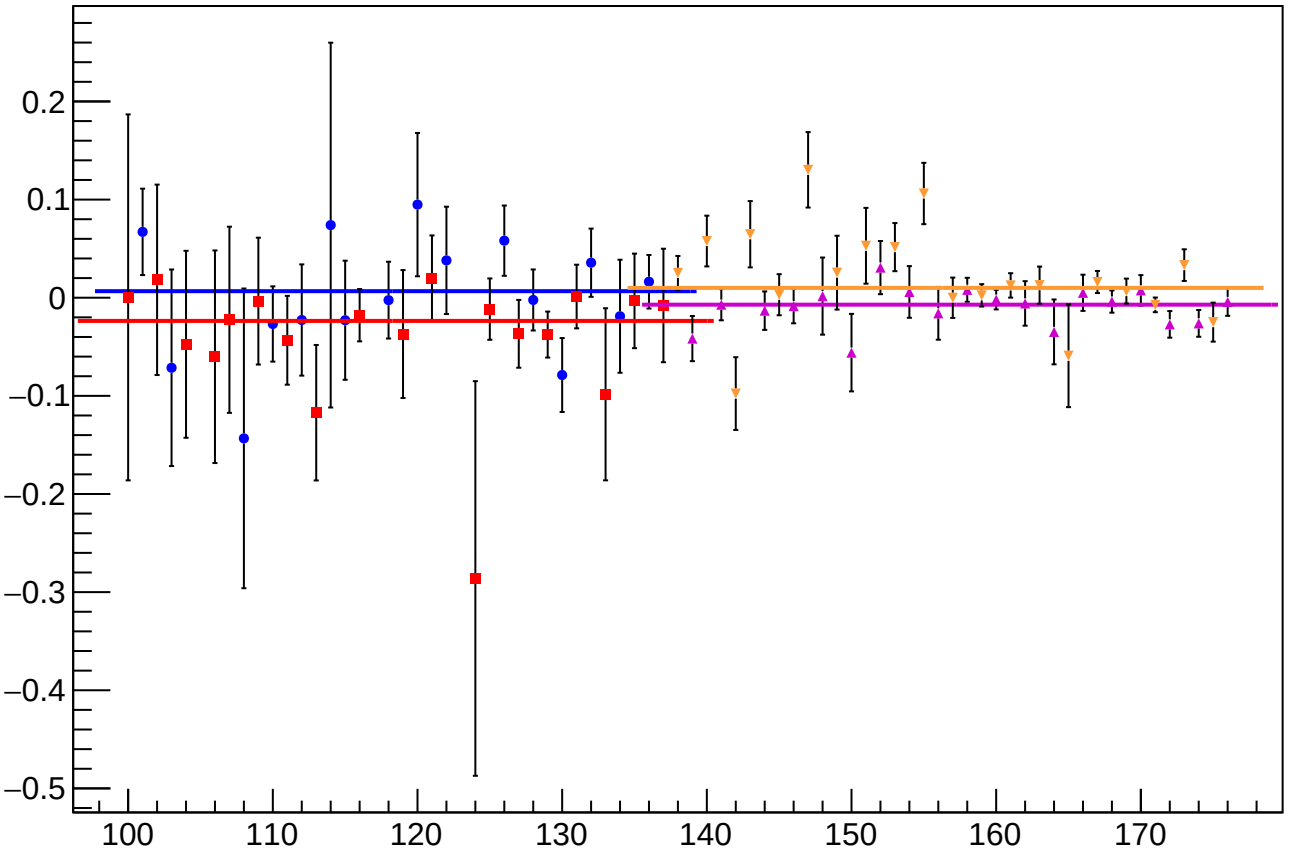
Left: 0.000+/-0.000 χ^2/NDF: 22206670.5/38

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17342783.9/34

Out: 0.000+/-0.000 χ^2/NDF:20532033.9/38

All: 0.000+/-0.000 χ^2/NDF: 37922581.1/73



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:52.2/19

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.002+/-0.003 χ^2/NDF: 76.7/38

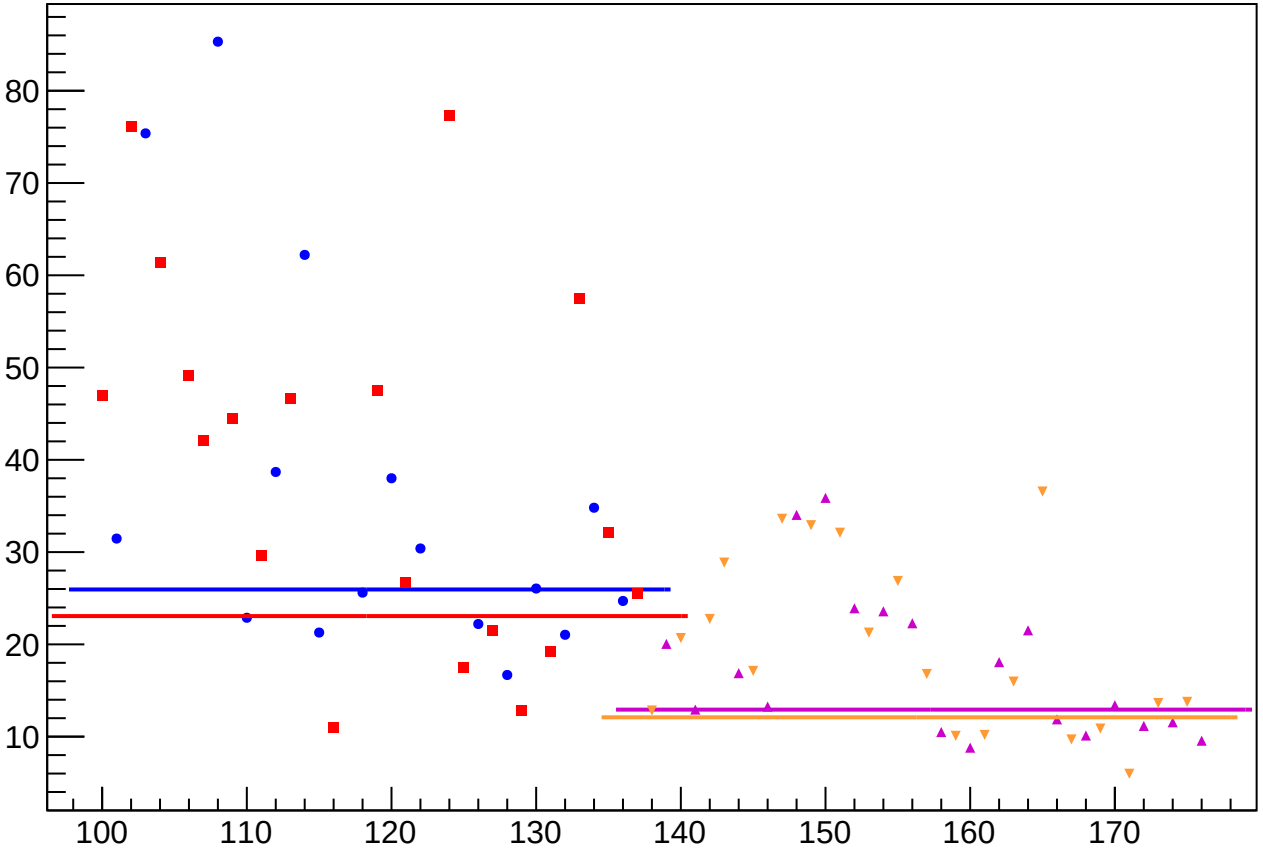
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.006+/-0.004 χ^2/NDF:68.9/38

All: 0.001+/-0.003 χ^2/NDF: 105.0/73

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: 12.094+/-0.003 χ^2/NDF:5713028.5/19

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

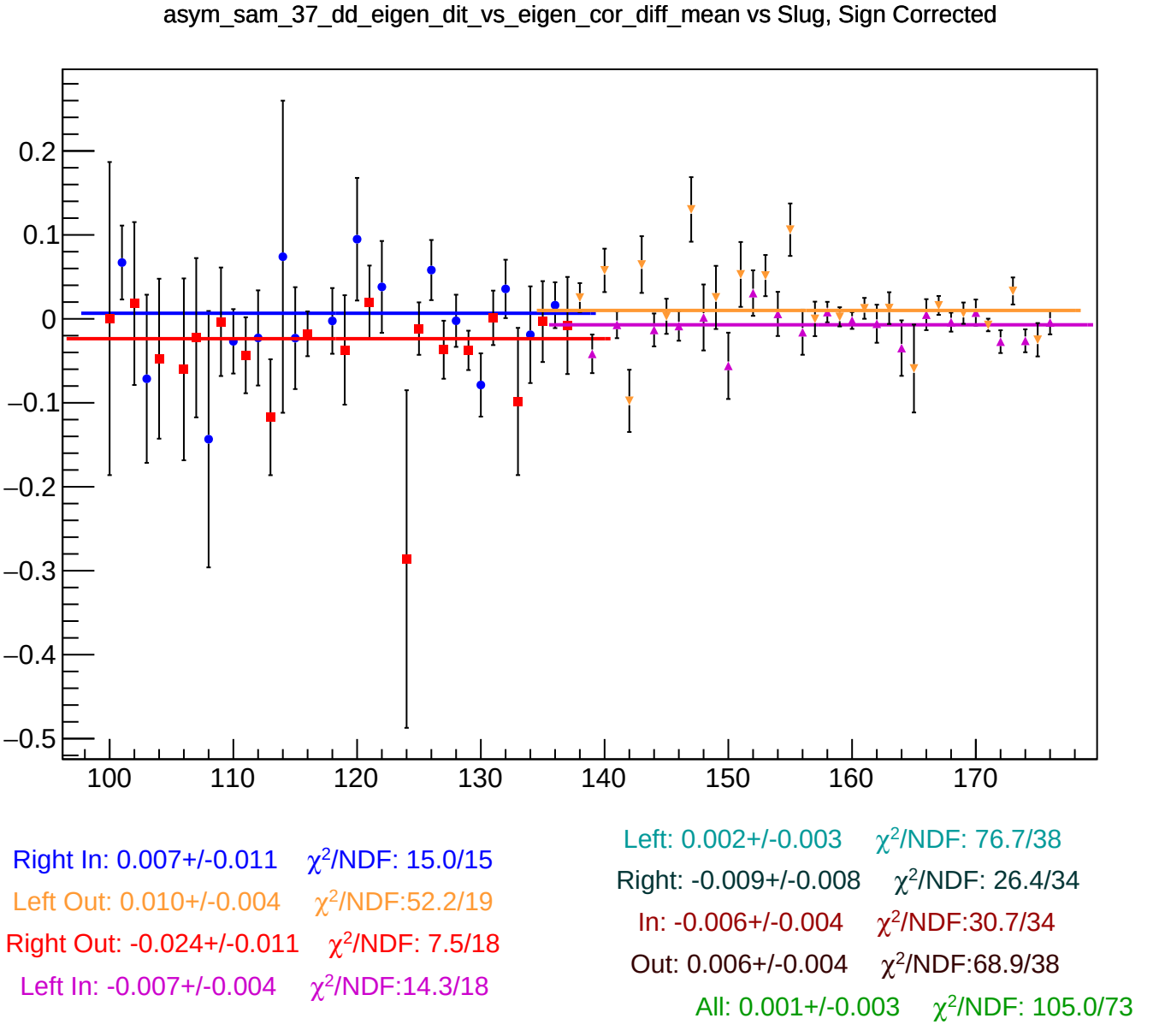
Left: 12.499+/-0.002 χ^2/NDF: 9144311.6/38

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

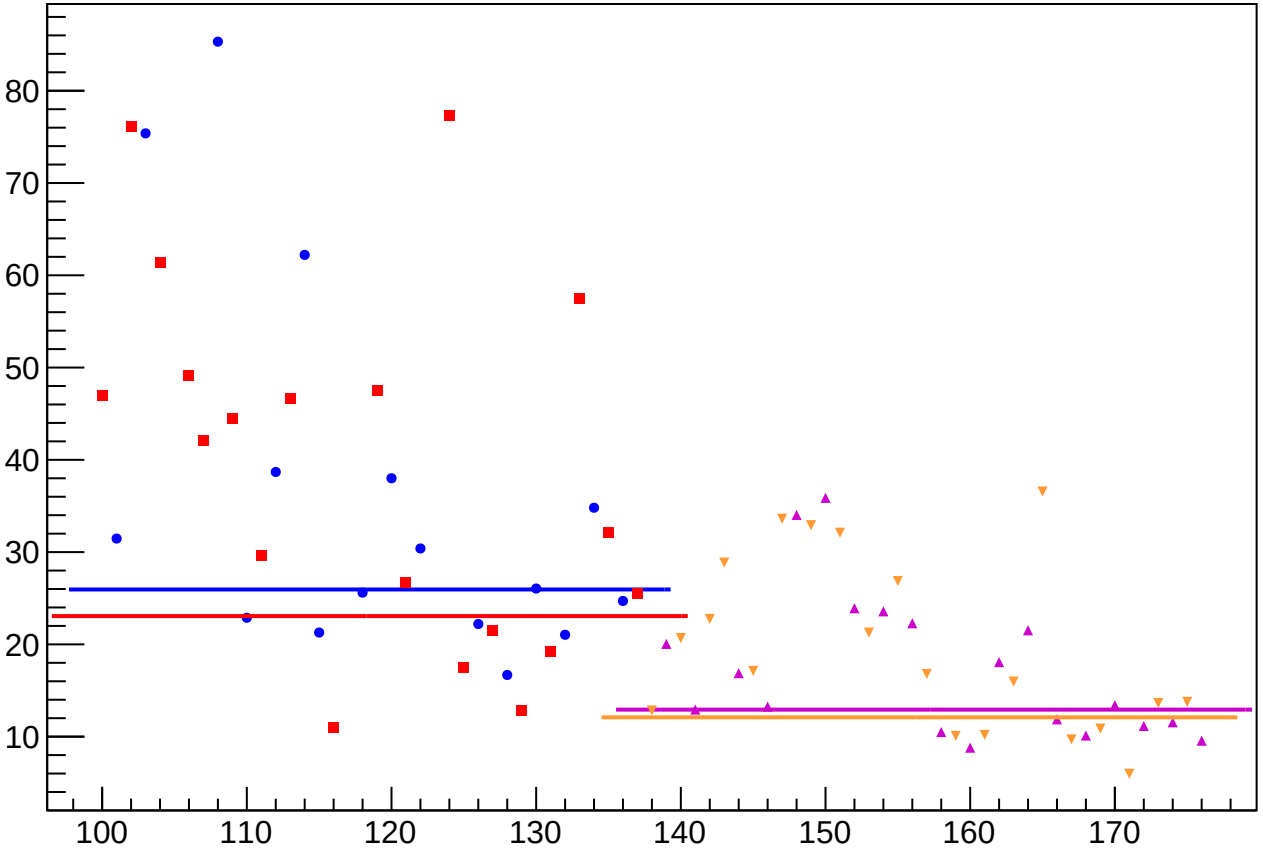
In: 14.326+/-0.003 χ^2/NDF:7221732.2/34

Out: 13.329+/-0.002 χ^2/NDF:11010884.9/38

All: 13.812+/-0.002 χ^2/NDF: 18310071.7/73


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.010+/-0.004 χ²/NDF:52.2/19
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.007+/-0.004 χ²/NDF:14.3/18
Left: 0.002+/-0.003 χ²/NDF: 76.7/38
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.006+/-0.004 χ²/NDF:30.7/34
Out: 0.006+/-0.004 χ²/NDF:68.9/38
All: 0.001+/-0.003 χ²/NDF: 105.0/73

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.094+/-0.003 χ^2/NDF:5713028.5/19

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

Left: 12.499+/-0.002 χ^2/NDF: 9144311.6/38

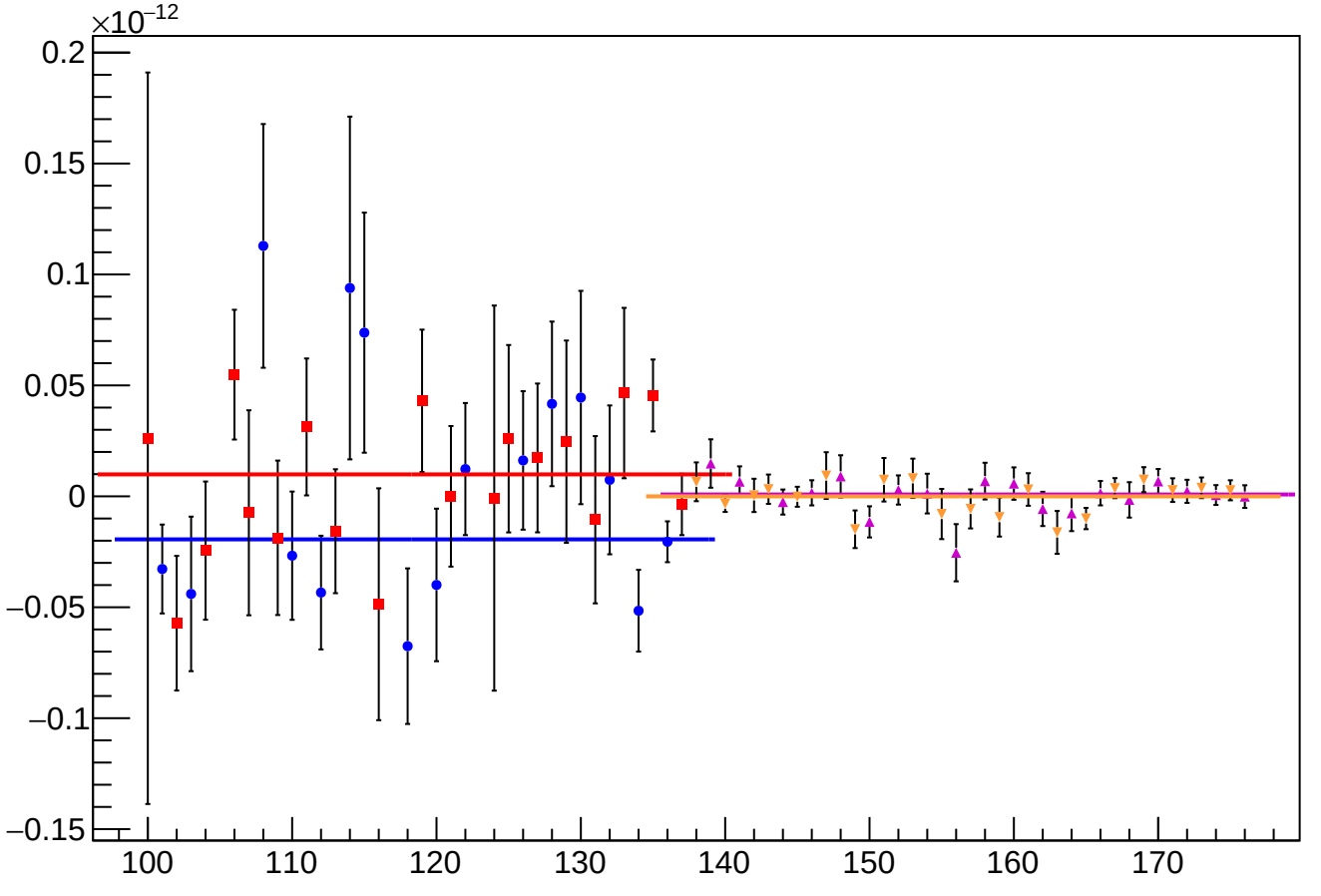
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.326+/-0.003 χ^2/NDF:7221732.2/34

Out: 13.329+/-0.002 χ^2/NDF:11010884.9/38

All: 13.812+/-0.002 χ^2/NDF: 18310071.7/73

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/18

Left: 0.000+/-0.000 χ^2/NDF: 35.1/38

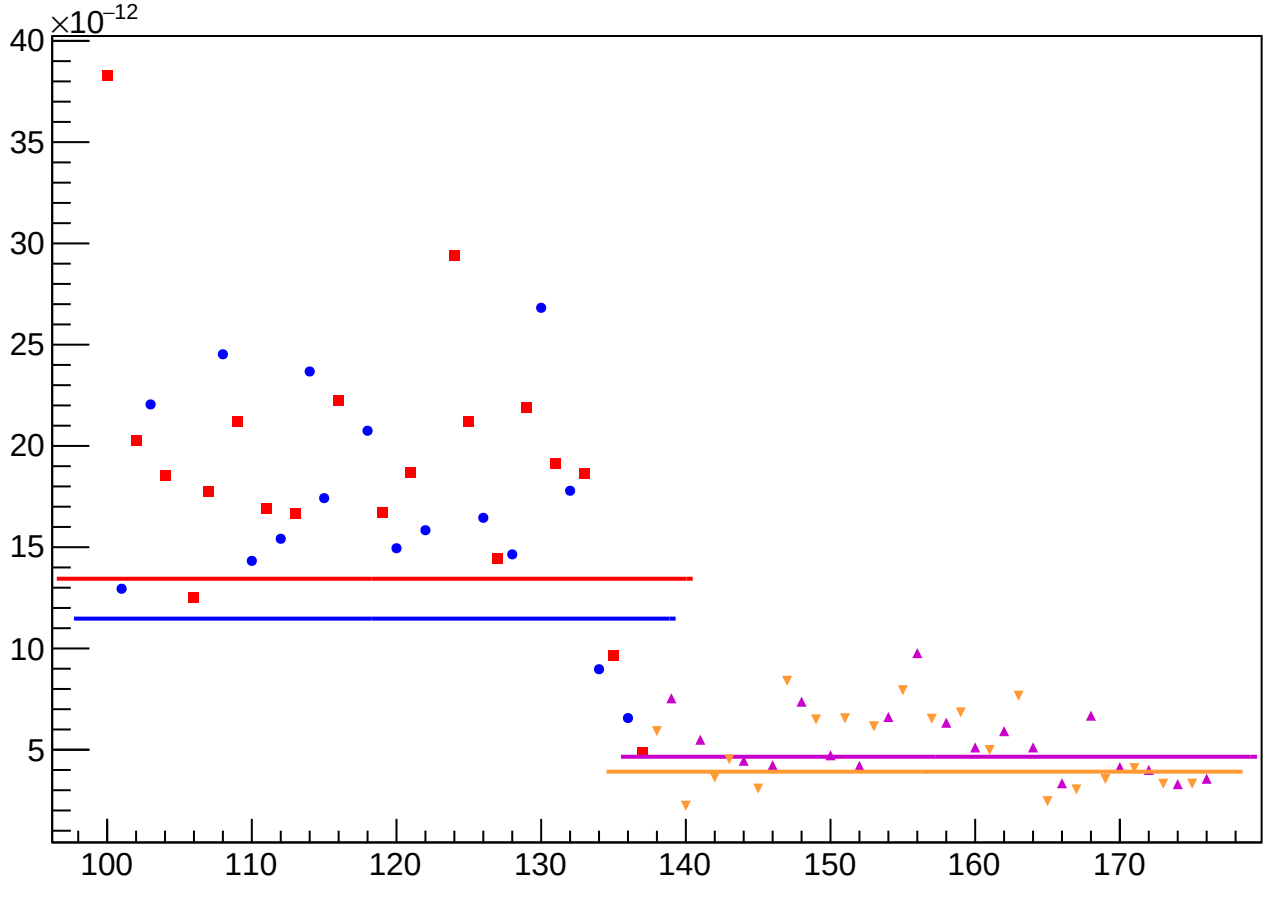
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:51.2/34

Out: 0.000+/-0.000 χ^2/NDF:42.4/38

All: 0.000+/-0.000 χ^2/NDF: 93.7/73

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:2751911.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1481769.7/18

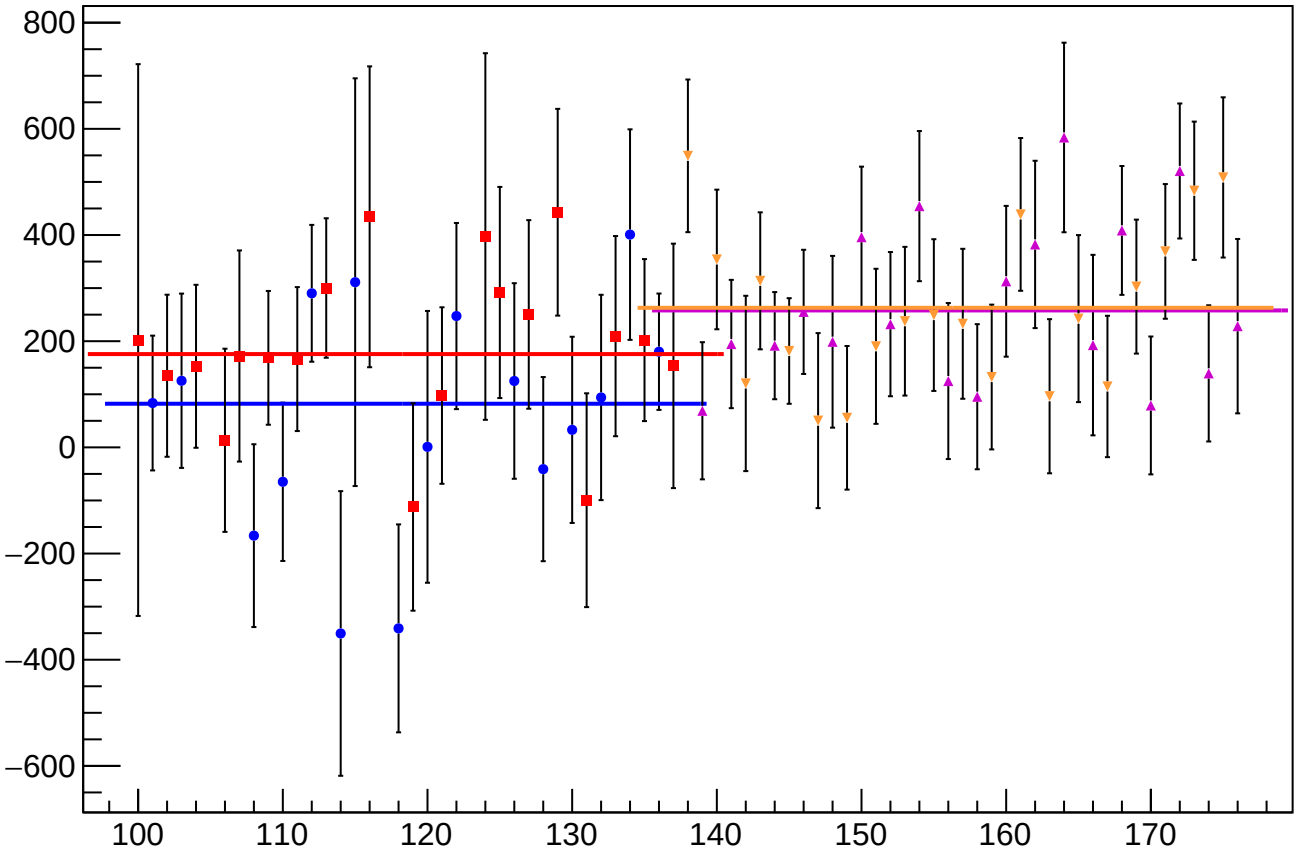
Left: 0.000+/-0.000 χ^2/NDF: 4495227.6/38

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5486506.9/34

Out: 0.000+/-0.000 χ^2/NDF:8222351.2/38

All: 0.000+/-0.000 χ^2/NDF: 14009940.1/73



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.905+/-30.620 χ^2/NDF:21.7/19

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 257.947+/-30.988 χ^2/NDF:21.1/18

Left: 260.456+/-21.781 χ^2/NDF: 42.8/38

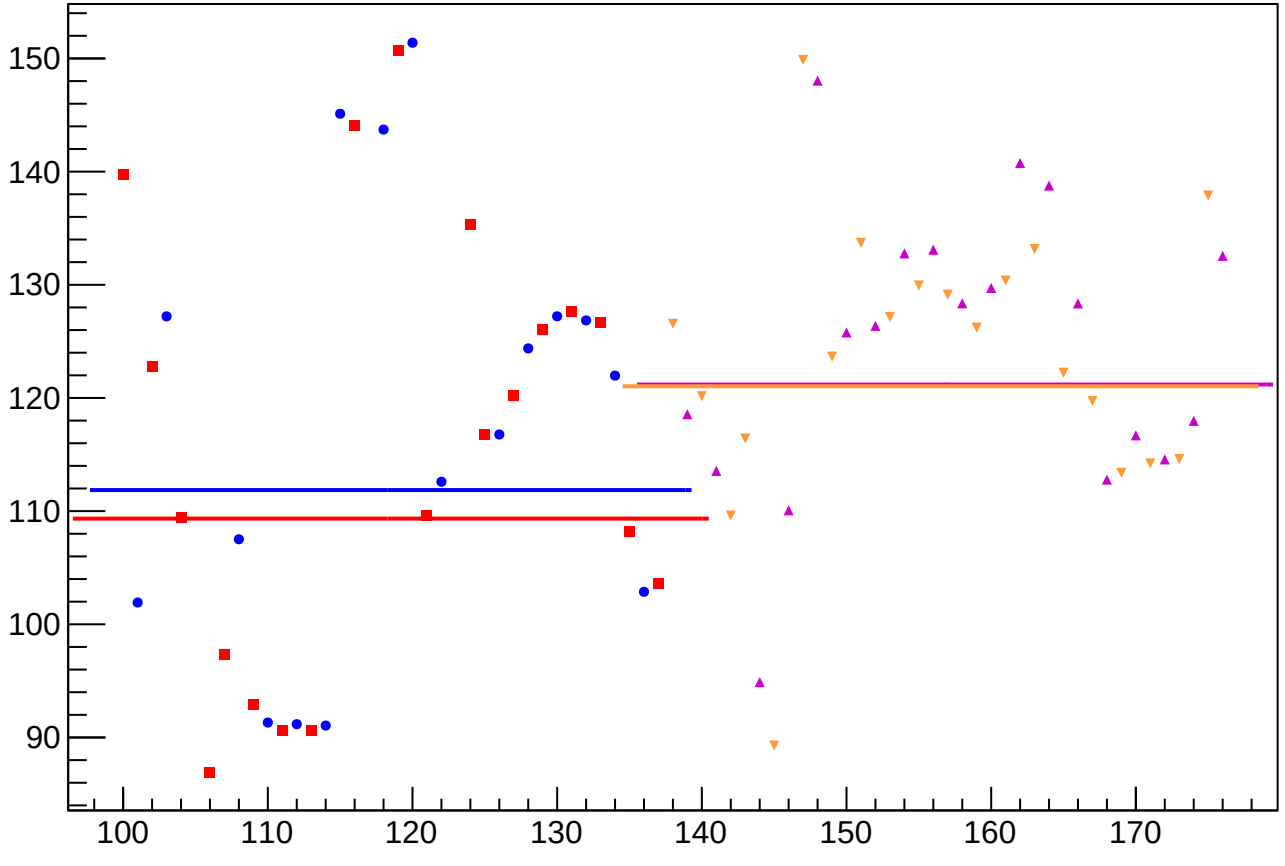
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 196.251+/-24.963 χ^2/NDF:50.8/34

Out: 231.370+/-24.463 χ^2/NDF:34.4/38

All: 214.167+/-17.472 χ^2/NDF: 86.2/73

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.8/19

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

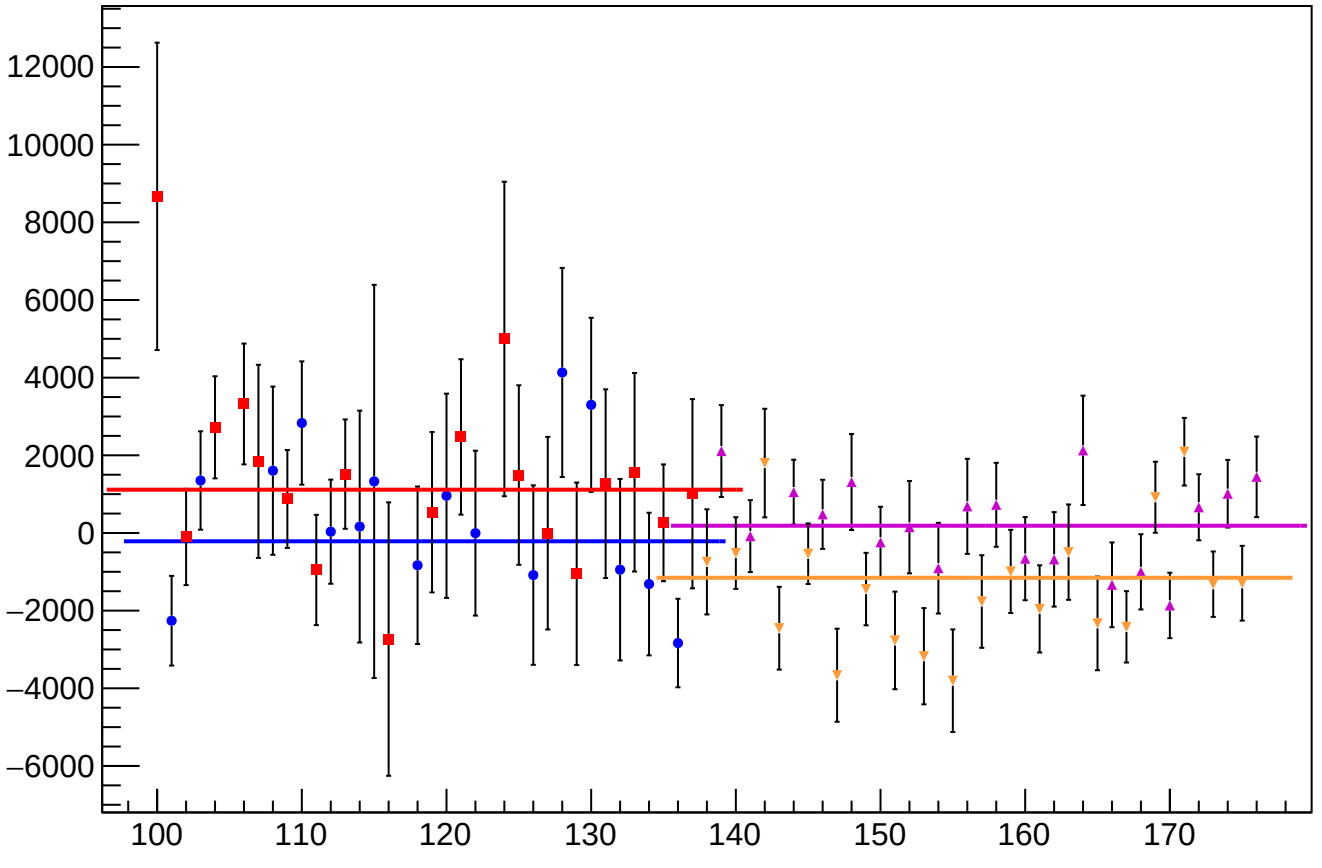
Left: 121.110+/-0.015 χ^2/NDF: 726941.8/38

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.915+/-0.018 χ^2/NDF:713954.9/34

Out: 116.803+/-0.017 χ^2/NDF:855308.9/38

All: 117.348+/-0.012 χ^2/NDF: 1571290.2/73



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1153.770+/-233.383 χ^2/NDF:43.0/19

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 186.542+/-233.235 χ^2/NDF:21.3/18

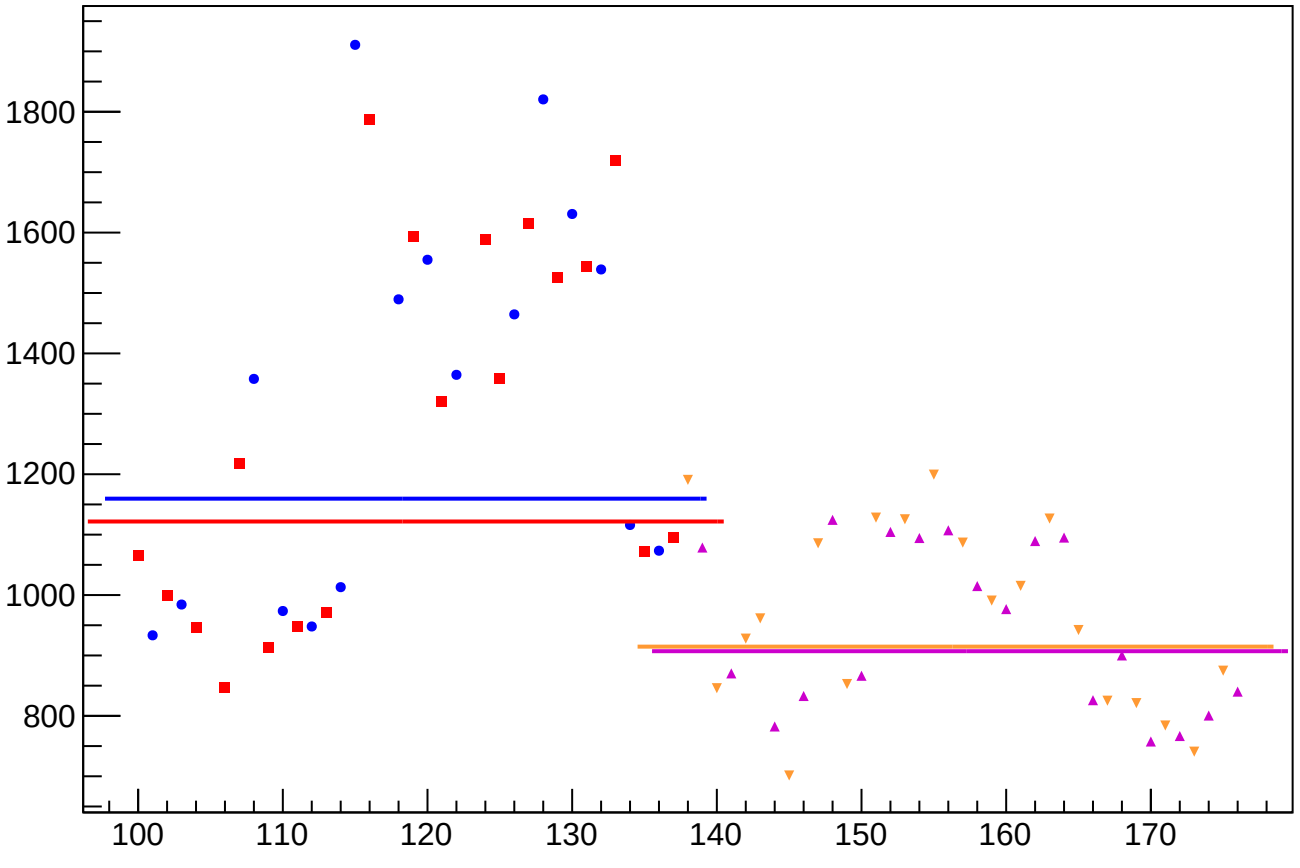
Left: -483.189+/-164.974 χ^2/NDF: 80.8/38

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 99.866+/-206.476 χ^2/NDF:42.4/34

Out: -624.454+/-204.348 χ^2/NDF:79.5/38

All: -266.045+/-145.243 χ^2/NDF: 128.2/73



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.6/19

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.0/18

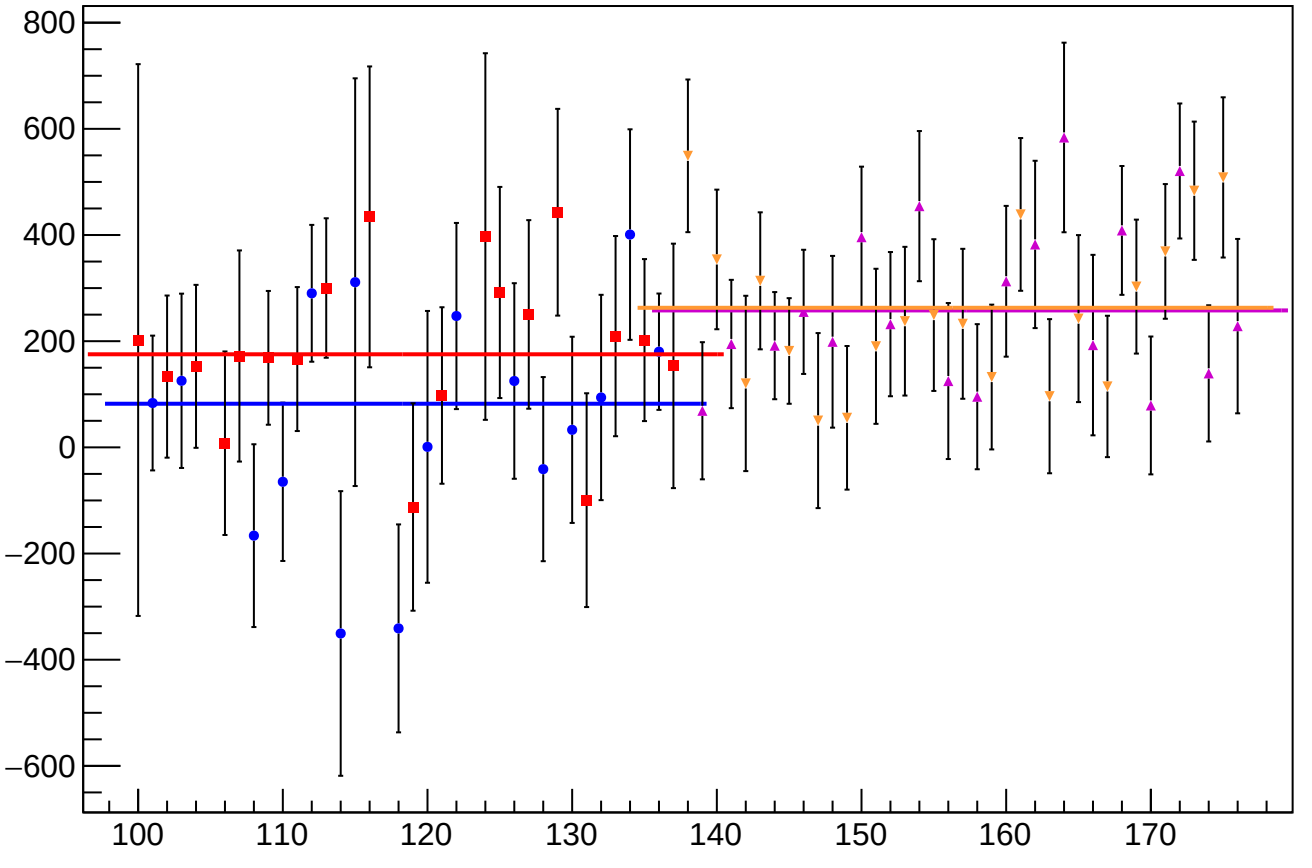
Left: 910.835+/-0.117 χ^2/NDF: 1413914.7/38

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 961.678+/-0.146 χ^2/NDF:1795912.1/34

Out: 962.946+/-0.144 χ^2/NDF:1957563.5/38

All: 962.319+/-0.103 χ^2/NDF: 3753513.6/73



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 257.950+/-30.988 χ^2/NDF:21.1/18

Left: 260.458+/-21.781 χ^2/NDF: 42.8/38

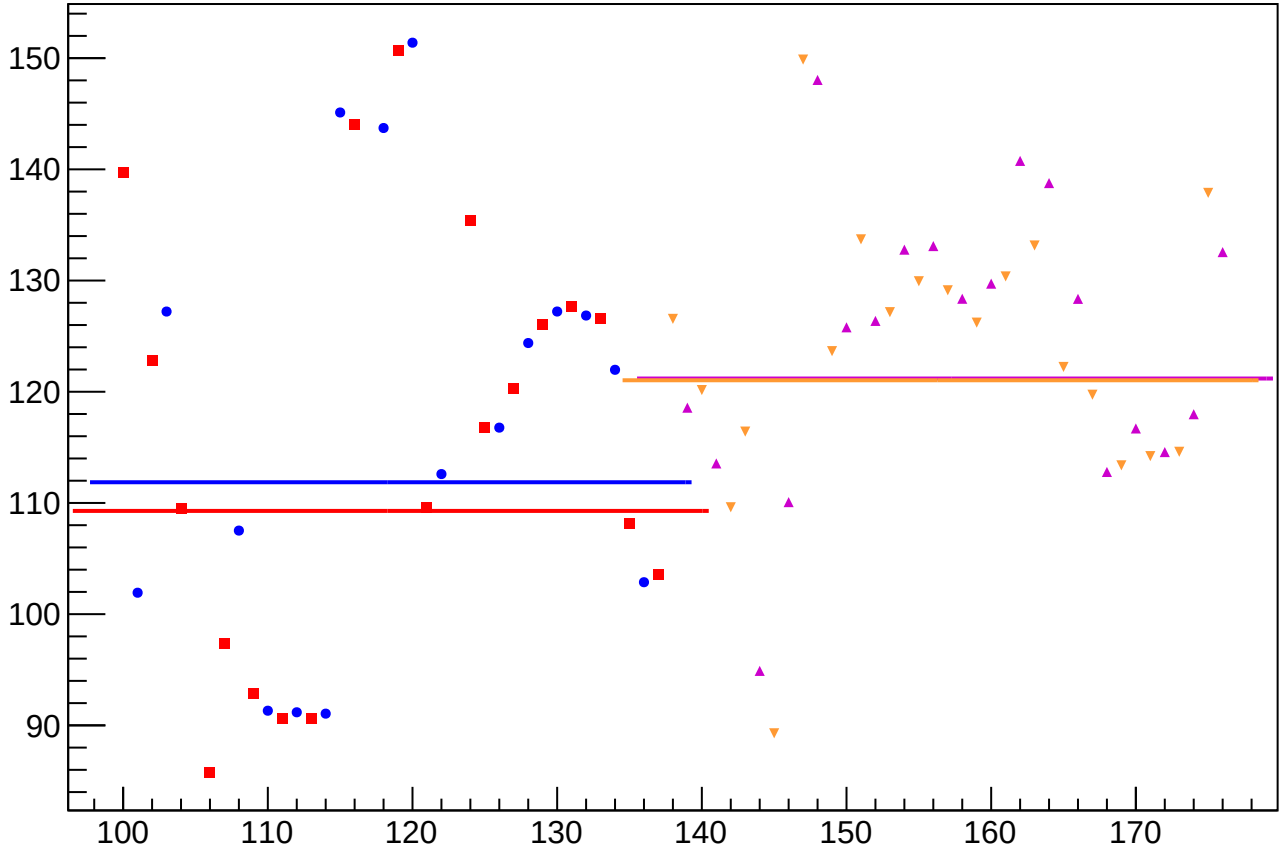
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 196.248+/-24.963 χ^2/NDF:50.8/34

Out: 231.235+/-24.464 χ^2/NDF:34.5/38

All: 214.095+/-17.472 χ^2/NDF: 86.3/73

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

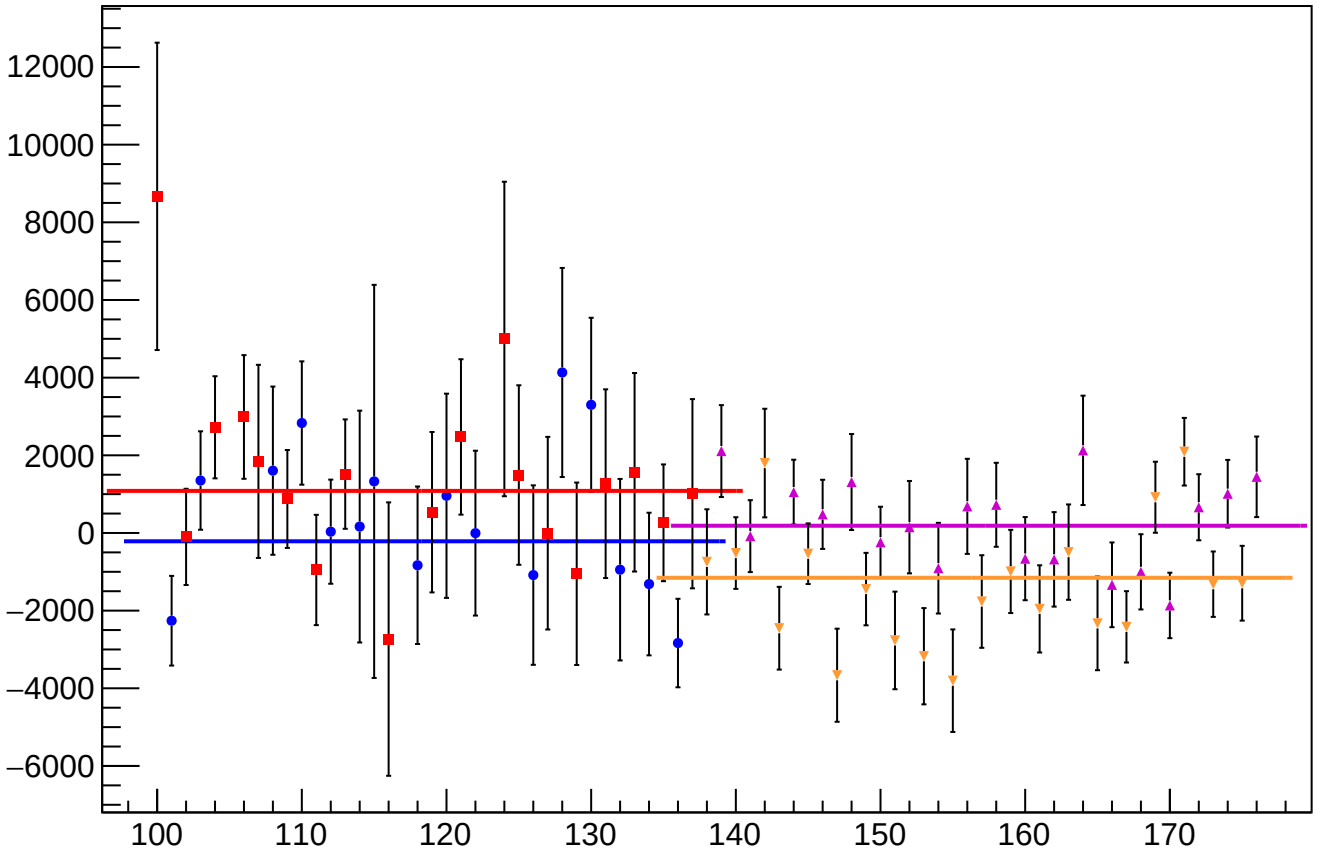
Left: 121.110+/-0.015 χ^2/NDF: 726941.8/38

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.915+/-0.018 χ^2/NDF:713955.7/34

Out: 116.783+/-0.017 χ^2/NDF:859797.3/38

All: 117.338+/-0.012 χ^2/NDF: 1575851.2/73



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1153.768+/-233.383 χ^2/NDF:43.0/19

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 186.547+/-233.235 χ^2/NDF:21.3/18

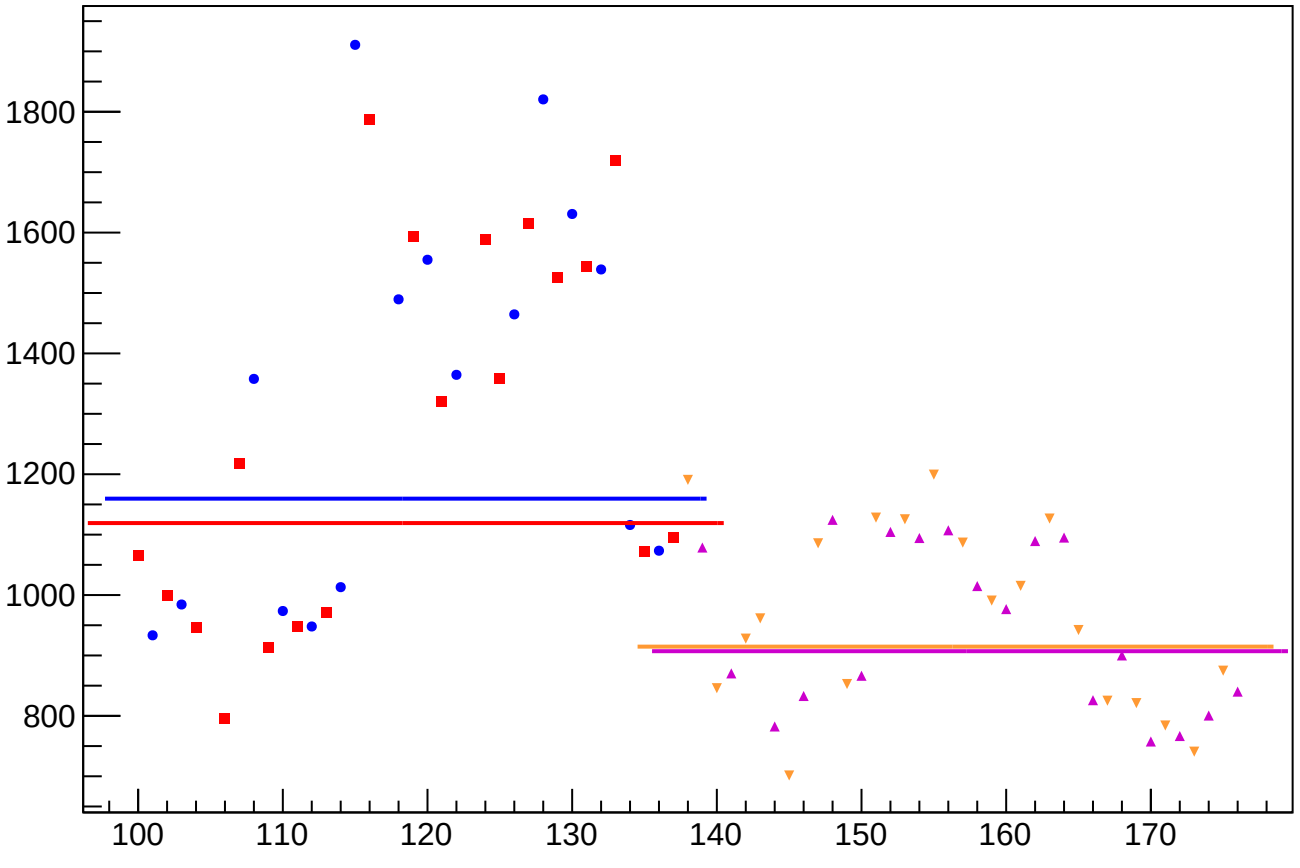
Left: -483.186+/-164.974 χ^2/NDF: 80.8/38

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 99.852+/-206.476 χ^2/NDF:42.4/34

Out: -633.019+/-204.431 χ^2/NDF:78.3/38

All: -270.231+/-145.272 χ^2/NDF: 127.0/73



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

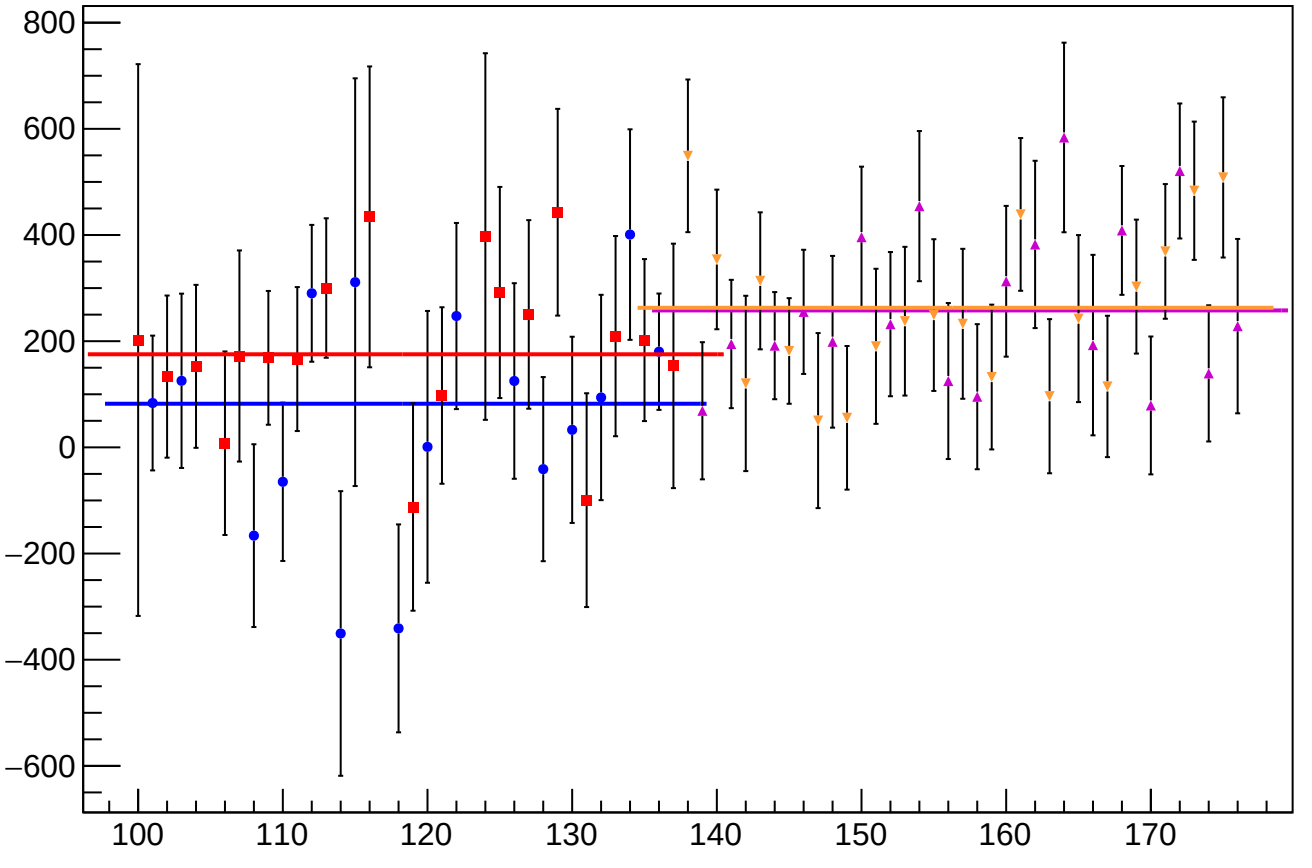
Left: 910.835+/-0.117 χ^2/NDF: 1413914.7/38

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 961.680+/-0.146 χ^2/NDF:1795913.8/34

Out: 962.213+/-0.145 χ^2/NDF:1968333.5/38

All: 961.949+/-0.103 χ^2/NDF: 3764254.0/73



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 262.907+/-30.620 χ^2/NDF:21.6/19

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 257.950+/-30.988 χ^2/NDF:21.1/18

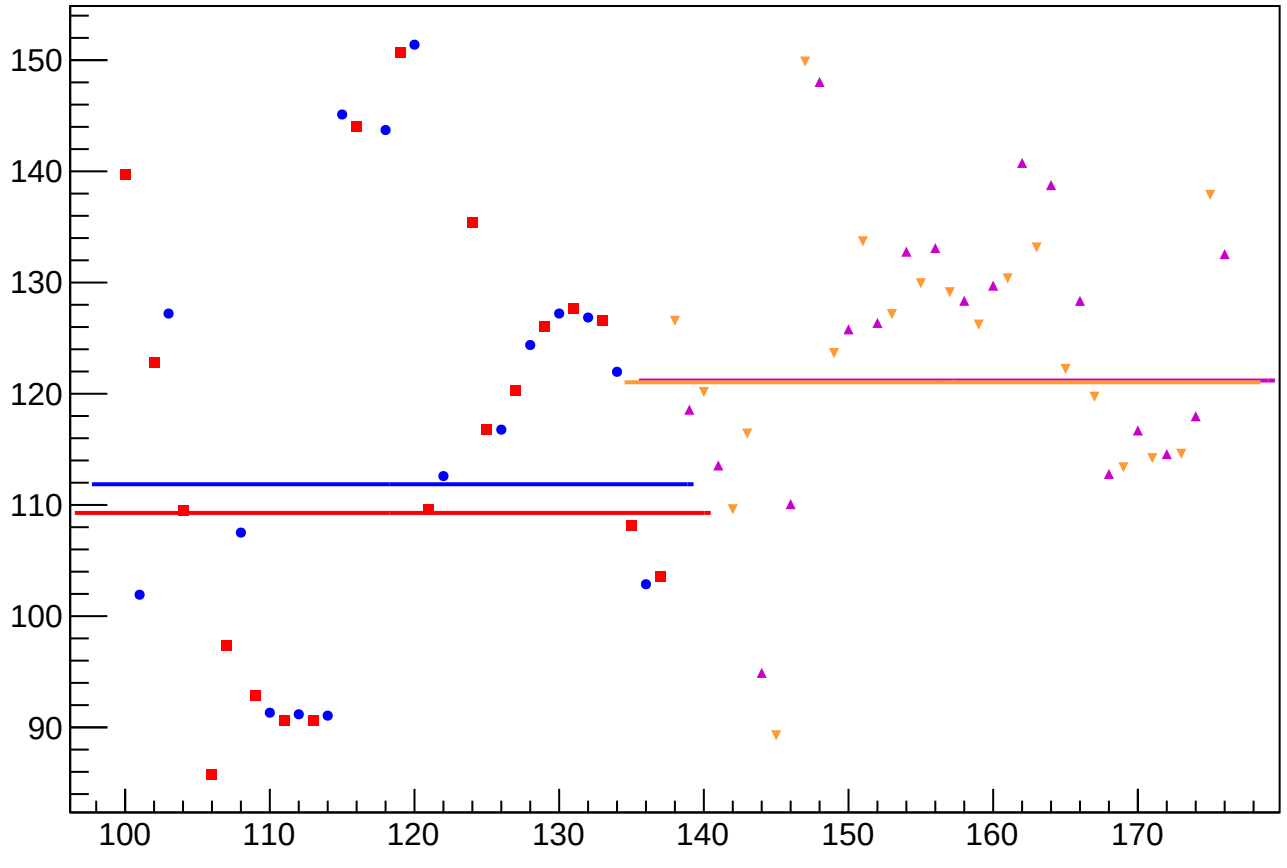
Left: 260.458+/-21.781 χ^2/NDF: 42.8/38

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 196.248+/-24.963 χ^2/NDF:50.8/34

Out: 231.235+/-24.464 χ^2/NDF:34.5/38

All: 214.095+/-17.472 χ^2/NDF: 86.3/73



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.032+/-0.022 χ^2/NDF:382599.7/19

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

Left: 121.110+/-0.015 χ^2/NDF: 726941.8/38

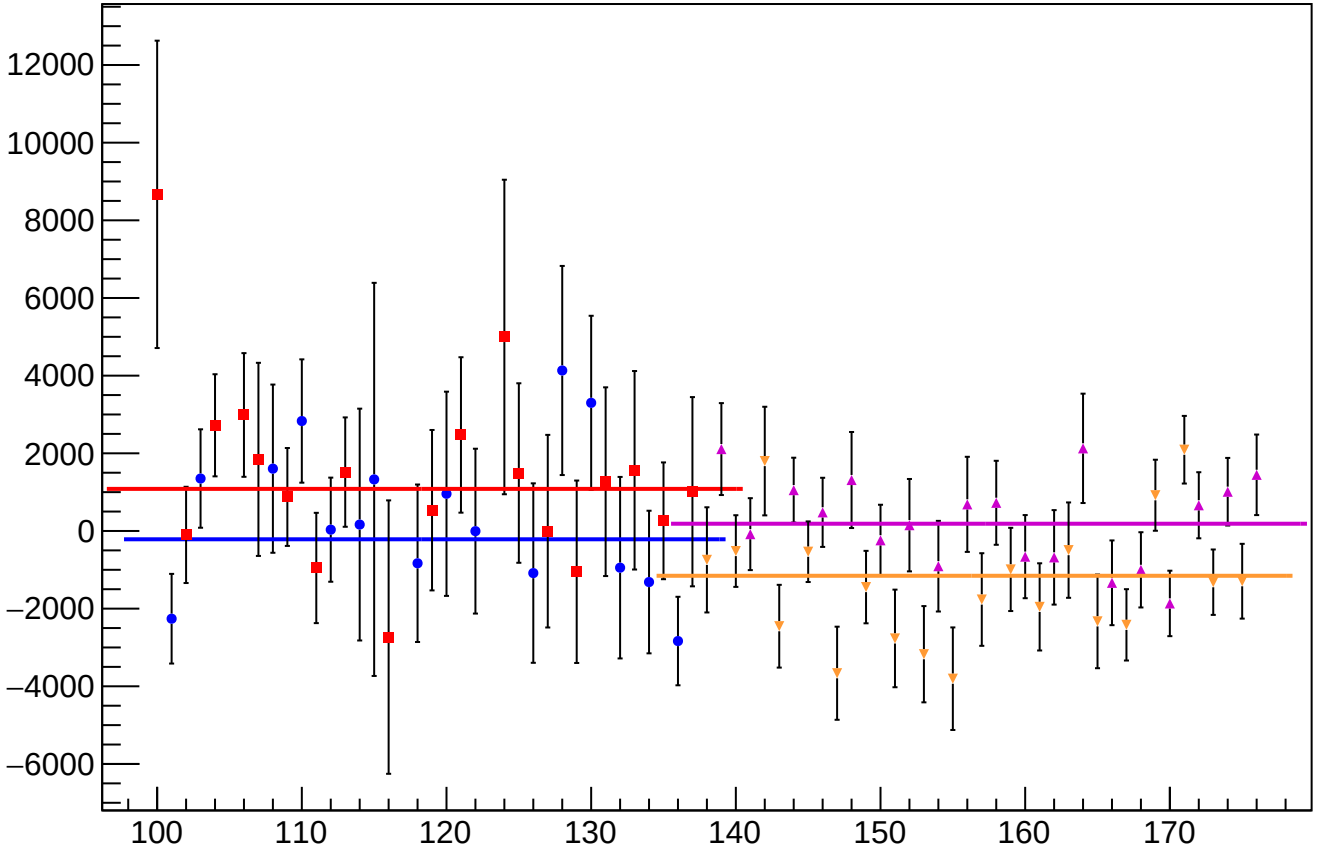
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.915+/-0.018 χ^2/NDF:713955.7/34

Out: 116.783+/-0.017 χ^2/NDF:859797.3/38

All: 117.338+/-0.012 χ^2/NDF: 1575851.2/73

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: -1153.768+/-233.383 χ^2/NDF:43.0/19

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 186.547+/-233.235 χ^2/NDF:21.3/18

Left: -483.186+/-164.974 χ^2/NDF: 80.8/38

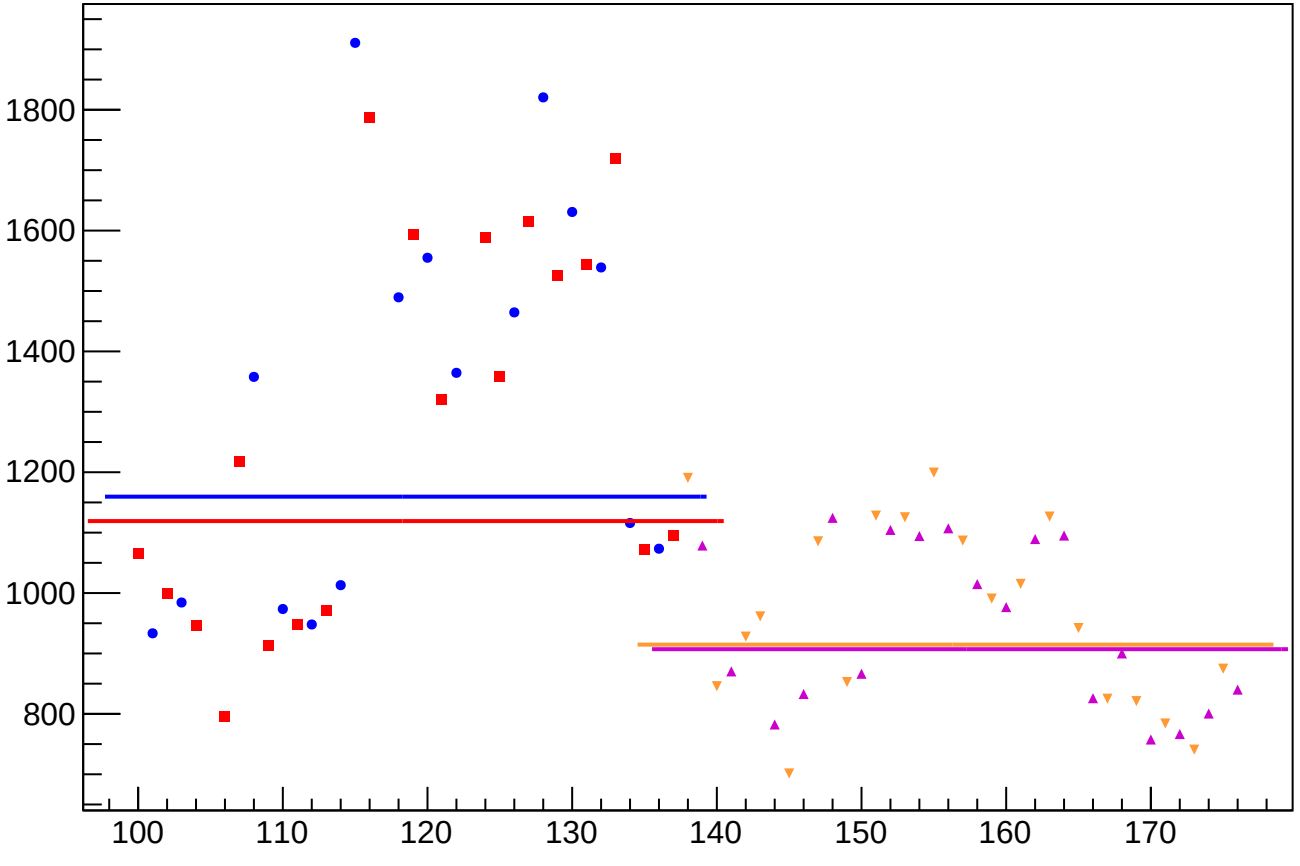
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 99.852+/-206.476 χ^2/NDF:42.4/34

Out: -633.019+/-204.431 χ^2/NDF:78.3/38

All: -270.231+/-145.272 χ^2/NDF: 127.0/73

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: 914.613+/-0.165 χ^2/NDF:807670.4/19

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

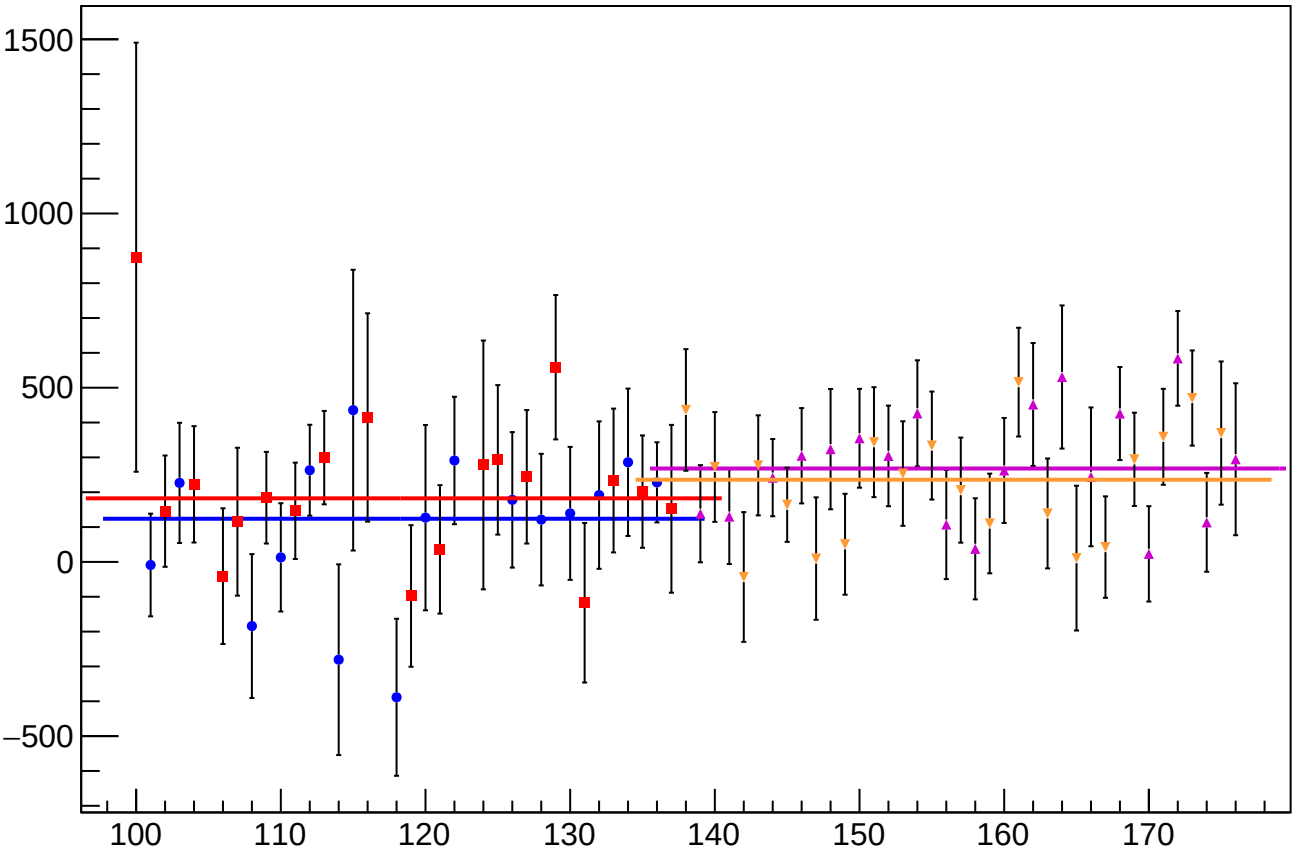
Left: 910.835+/-0.117 χ^2/NDF: 1413914.7/38

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 961.680+/-0.146 χ^2/NDF:1795913.8/34

Out: 962.213+/-0.145 χ^2/NDF:1968333.5/38

All: 961.949+/-0.103 χ^2/NDF: 3764254.0/73



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.913+/-33.802 χ^2/NDF:20.0/19

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 268.071+/-34.055 χ^2/NDF:21.2/18

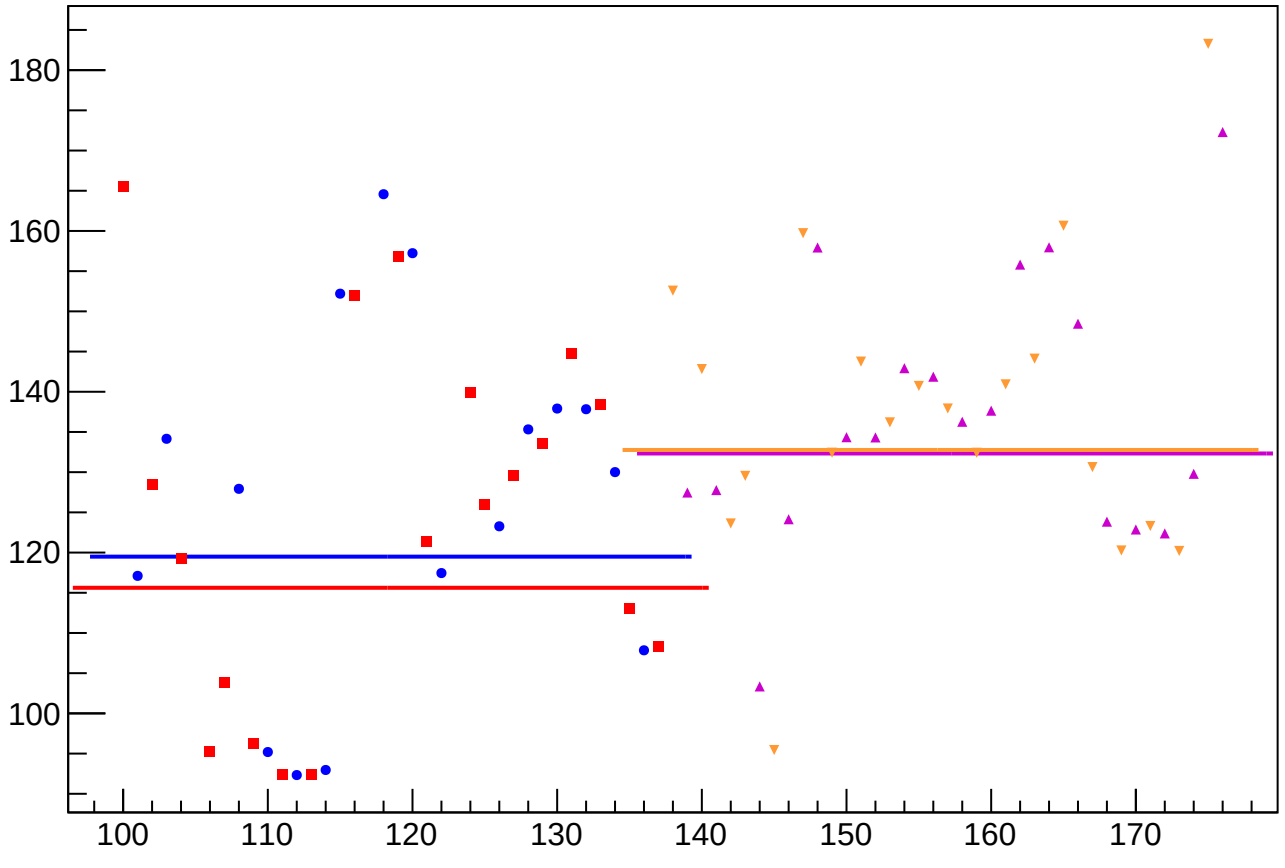
Left: 251.872+/-23.991 χ^2/NDF: 41.7/38

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 215.919+/-27.207 χ^2/NDF:43.1/34

Out: 215.631+/-26.627 χ^2/NDF:33.3/38

All: 215.772+/-19.030 χ^2/NDF: 76.4/73



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.761+/-0.024 χ^2/NDF:567888.1/19

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.324+/-0.024 χ^2/NDF:390438.1/18

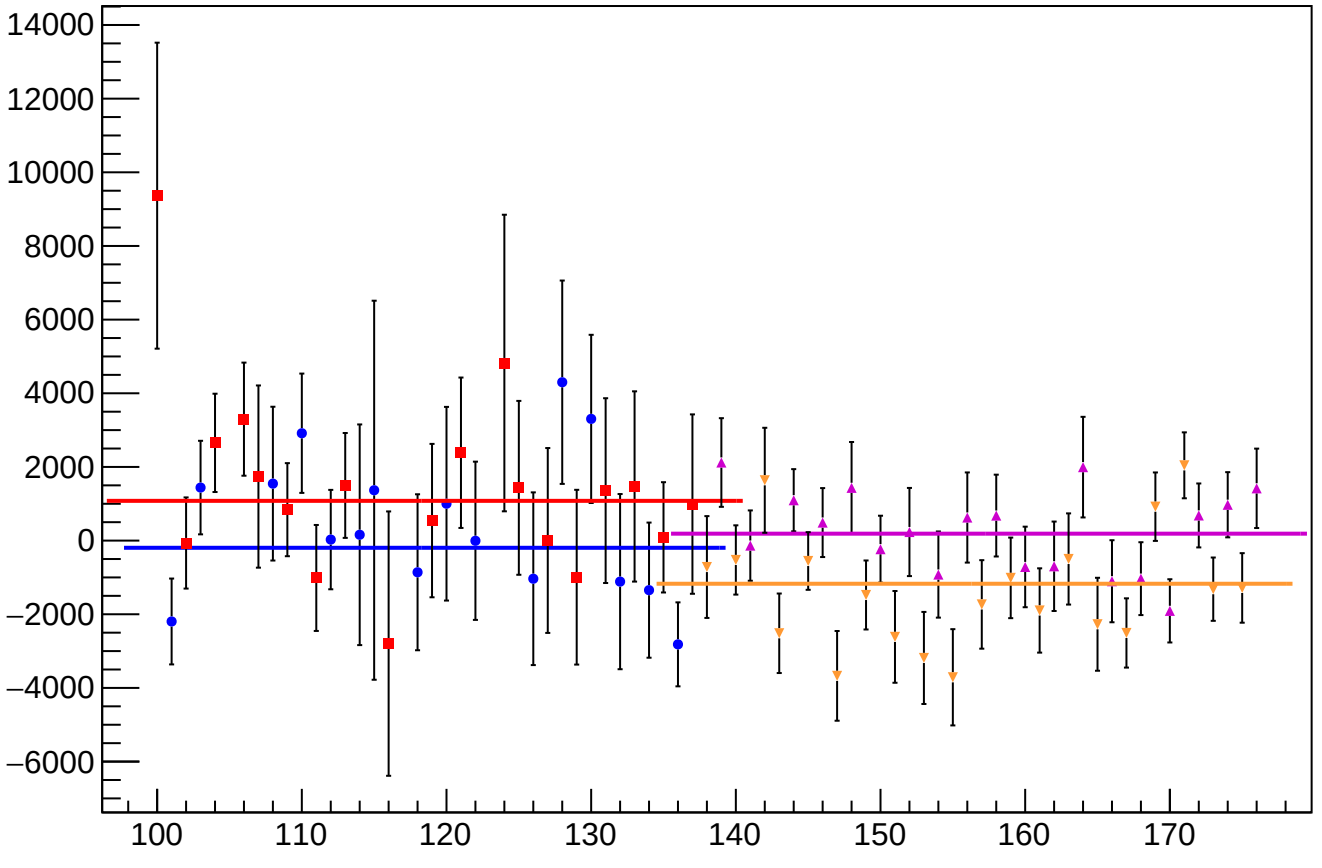
Left: 132.544+/-0.017 χ^2/NDF: 958492.6/38

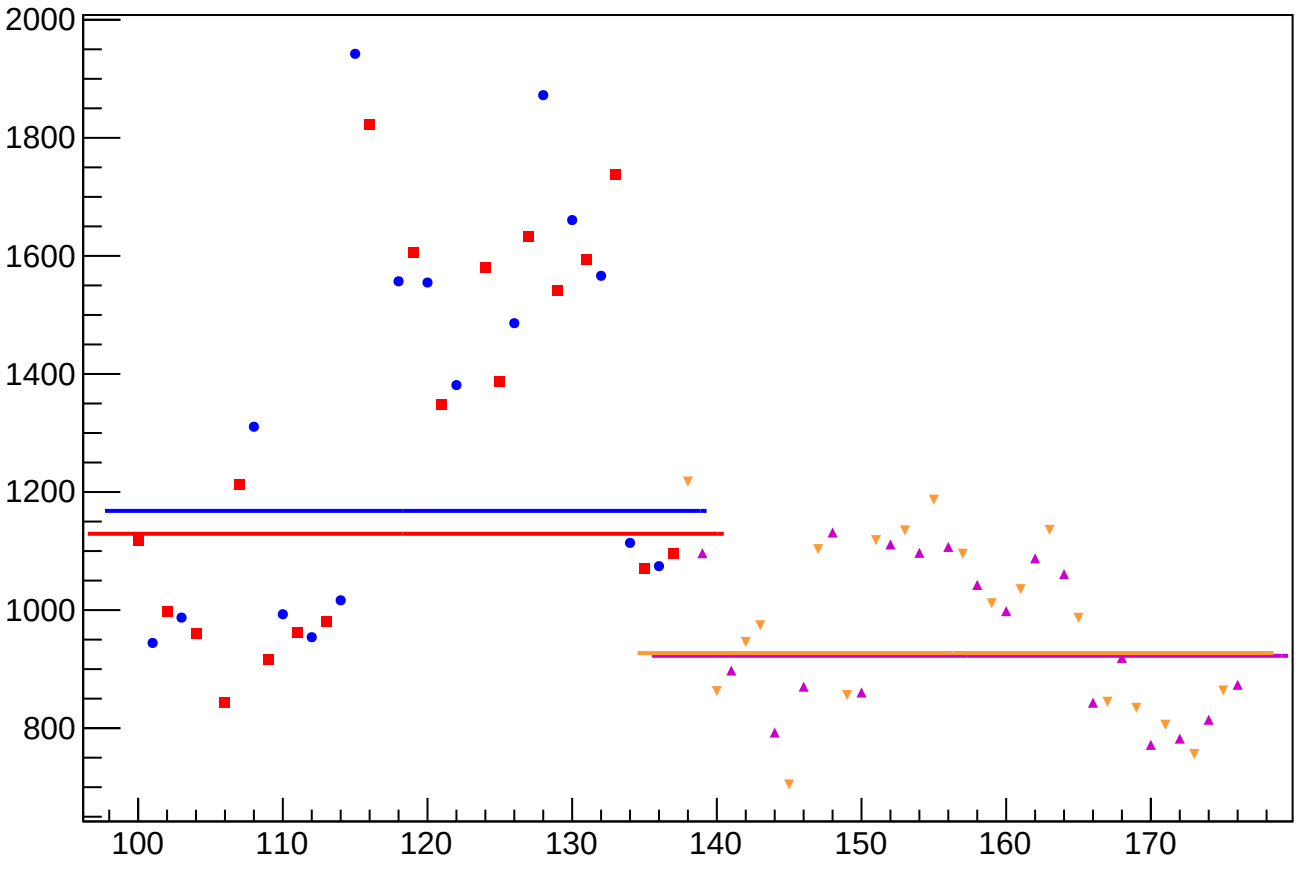
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.683+/-0.019 χ^2/NDF:873355.8/34

Out: 126.257+/-0.019 χ^2/NDF:1189982.1/38

All: 126.955+/-0.013 χ^2/NDF: 2066144.4/73


asym_sam_48_dd_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: -195.086+/-447.334 χ²/NDF: 20.4/15
Left Out: -1171.469+/-236.333 χ²/NDF:40.4/19
Right Out: 1079.393+/-425.950 χ²/NDF: 14.6/18
Left In: 188.067+/-237.061 χ²/NDF:20.6/18
Left: -493.794+/-167.369 χ²/NDF: 77.5/38
Right: 473.342+/-308.475 χ²/NDF: 39.2/34
In: 104.056+/-209.466 χ²/NDF:41.6/34
Out: -641.656+/-206.655 χ²/NDF:76.3/38
All: -273.837+/-147.111 χ²/NDF: 124.3/73



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 927.214+/-0.167 χ^2/NDF:788881.6/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 922.617+/-0.168 χ^2/NDF:550792.3/18

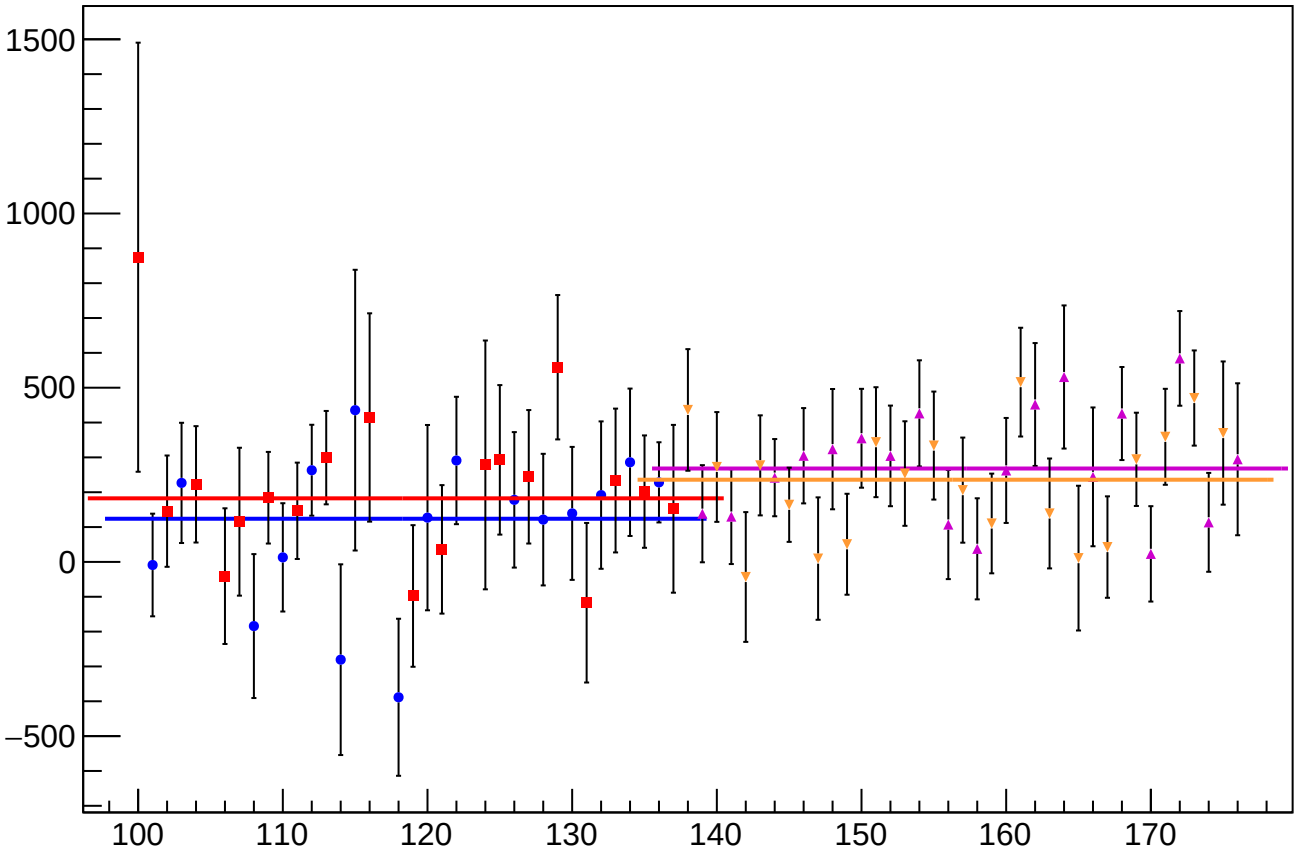
Left: 924.922+/-0.118 χ^2/NDF: 1340051.0/38

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 976.434+/-0.148 χ^2/NDF:1730248.3/34

Out: 974.785+/-0.146 χ^2/NDF:1940376.6/38

All: 975.598+/-0.104 χ^2/NDF: 3670687.7/73



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 235.915+/-33.802 χ^2/NDF:20.0/19

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 268.072+/-34.055 χ^2/NDF:21.2/18

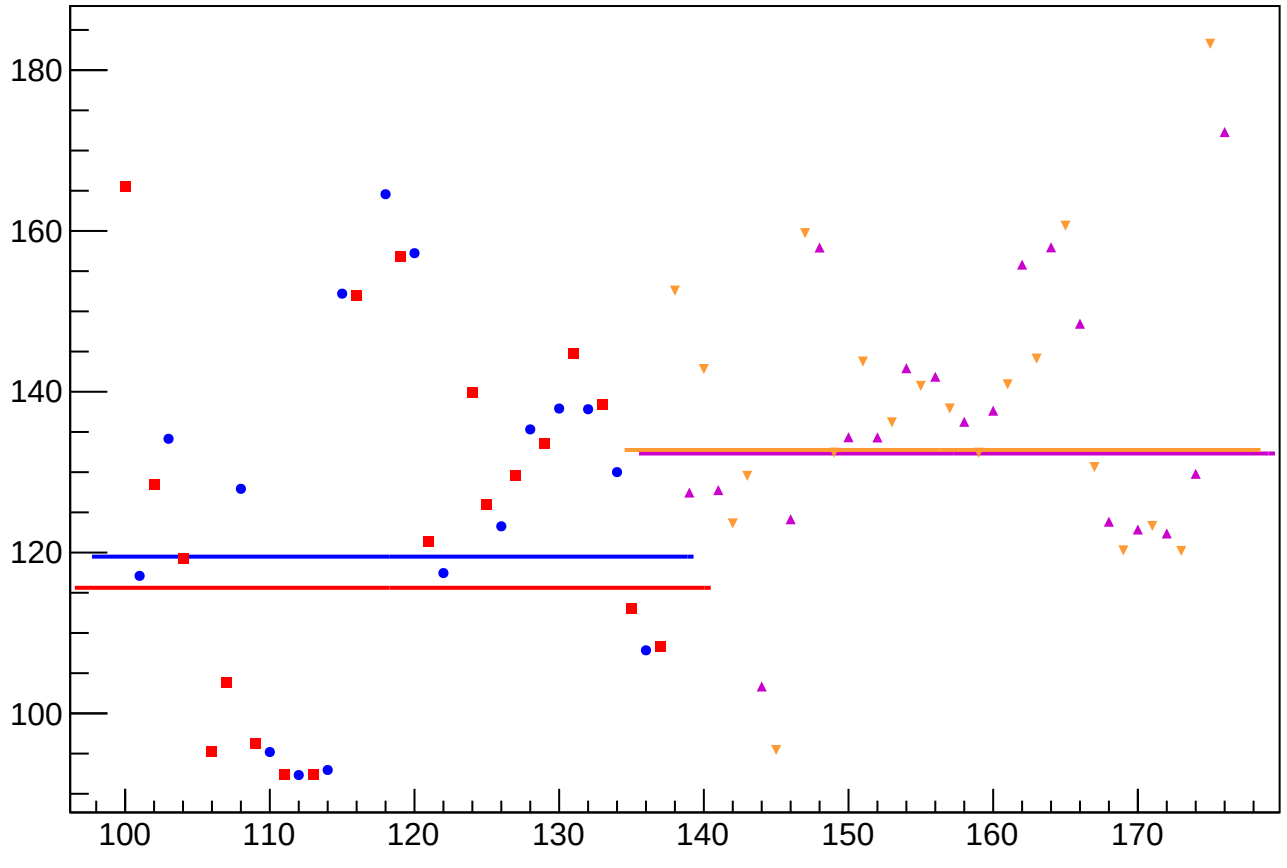
Left: 251.874+/-23.991 χ^2/NDF: 41.7/38

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 215.921+/-27.207 χ^2/NDF:43.1/34

Out: 215.633+/-26.627 χ^2/NDF:33.3/38

All: 215.774+/-19.030 χ^2/NDF: 76.4/73



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.761+/-0.024 χ^2/NDF:567889.7/19

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.324+/-0.024 χ^2/NDF:390435.1/18

Left: 132.544+/-0.017 χ^2/NDF: 958491.2/38

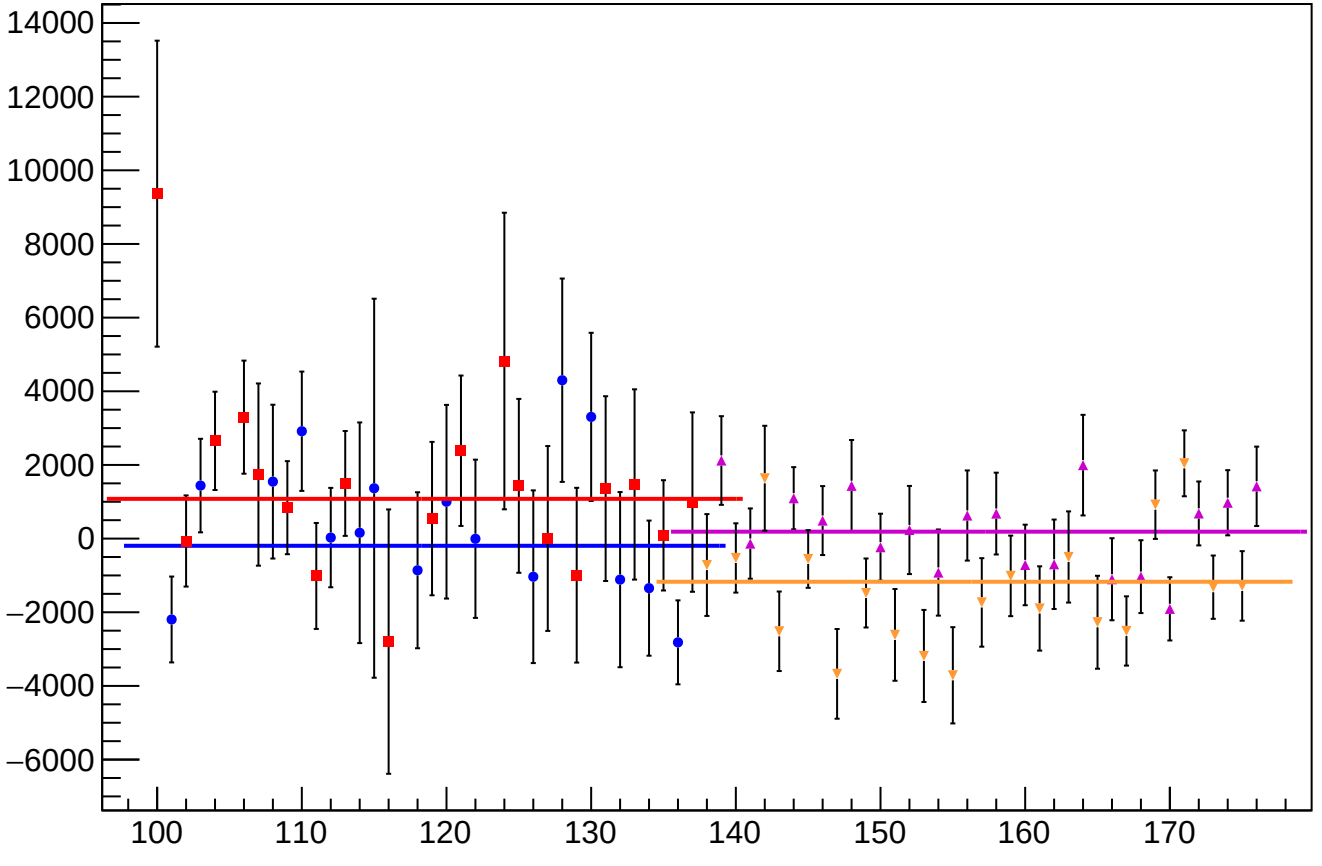
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.683+/-0.019 χ^2/NDF:873356.0/34

Out: 126.257+/-0.019 χ^2/NDF:1189990.3/38

All: 126.955+/-0.013 χ^2/NDF: 2066152.8/73

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1171.467+/-236.332 χ^2/NDF:40.4/19

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 188.066+/-237.061 χ^2/NDF:20.6/18

Left: -493.794+/-167.369 χ^2/NDF: 77.5/38

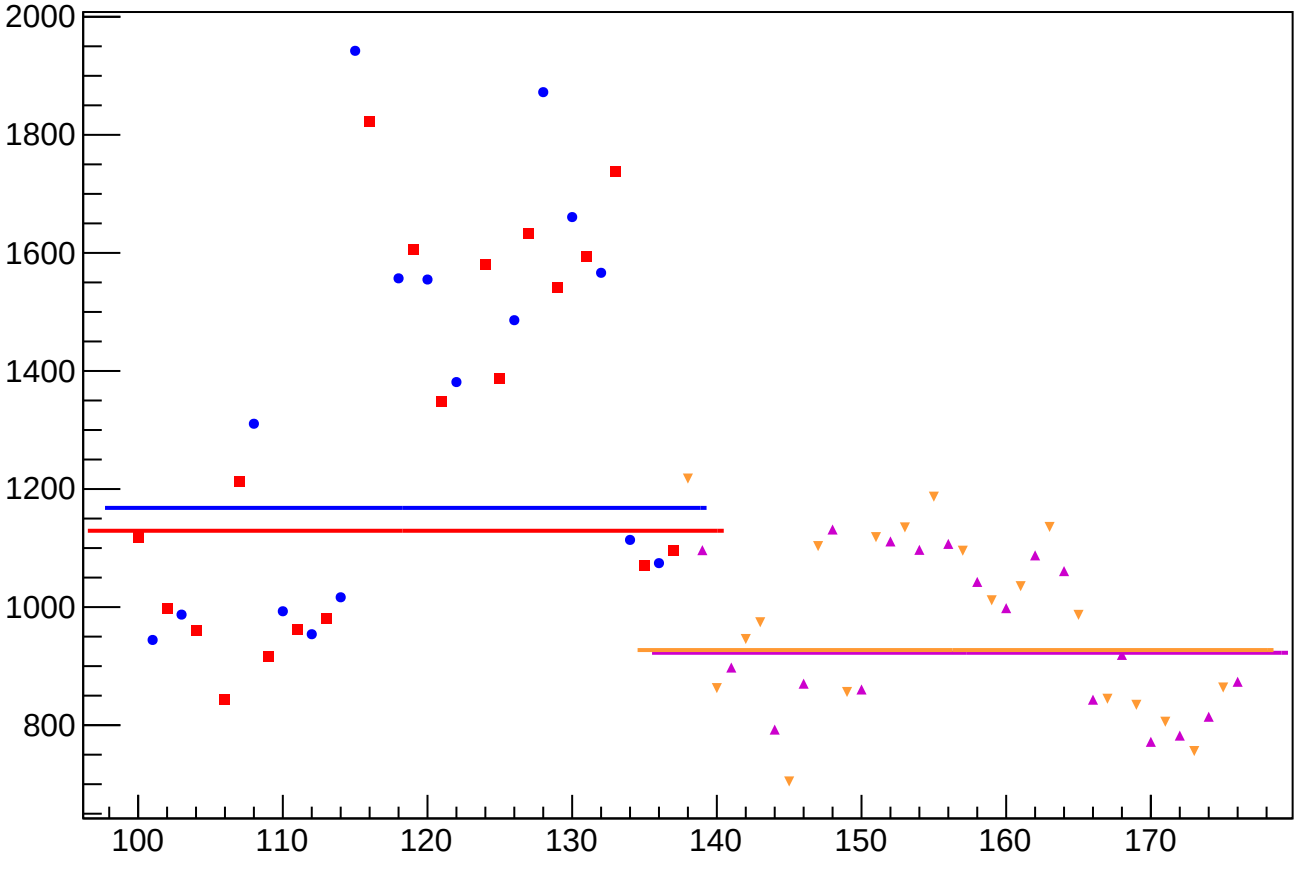
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 104.055+/-209.466 χ^2/NDF:41.6/34

Out: -641.655+/-206.655 χ^2/NDF:76.3/38

All: -273.837+/-147.111 χ^2/NDF: 124.3/73

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 927.213+/-0.167 χ^2/NDF:788885.9/19

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 922.616+/-0.168 χ^2/NDF:550793.5/18

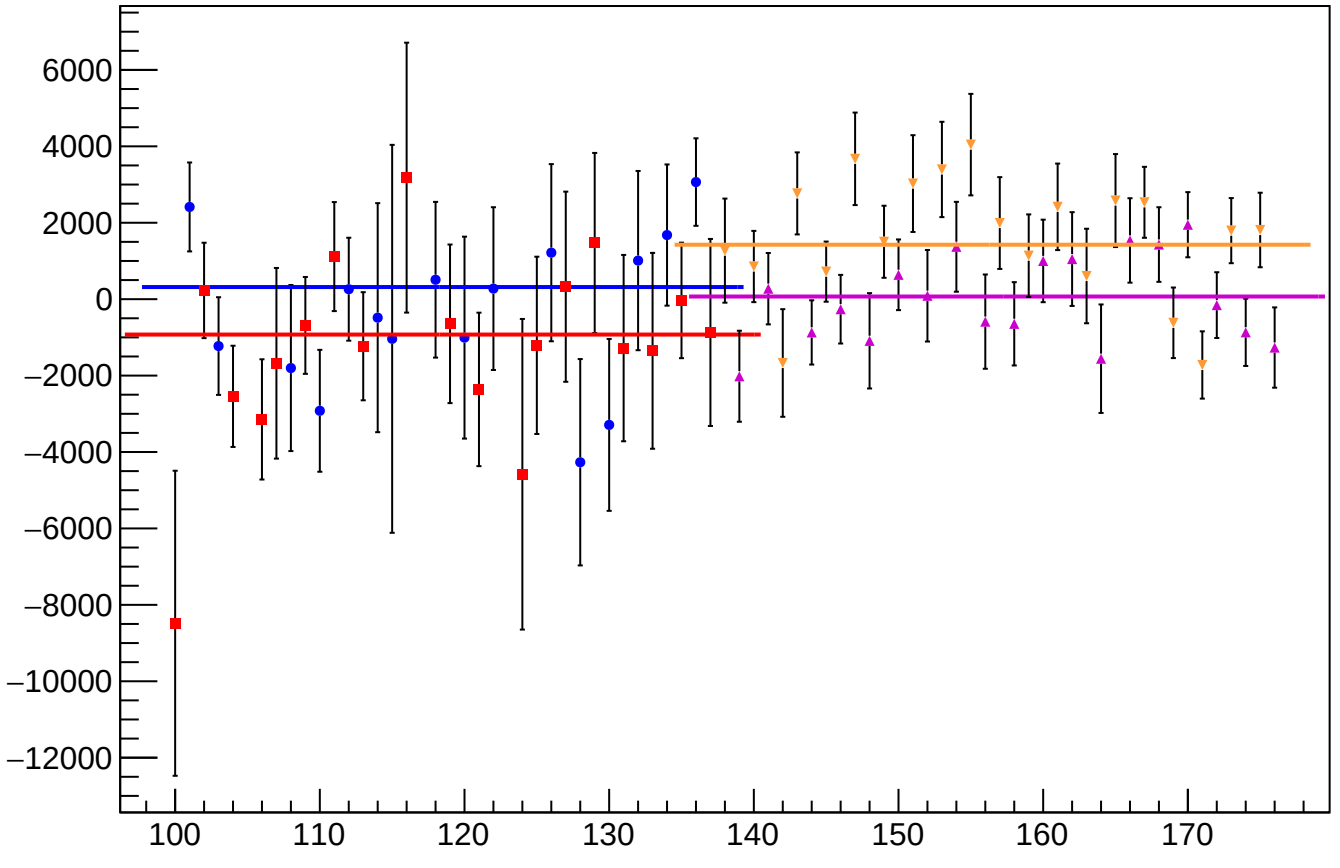
Left: 924.921+/-0.118 χ^2/NDF: 1340056.5/38

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 976.433+/-0.148 χ^2/NDF:1730254.4/34

Out: 974.784+/-0.146 χ^2/NDF:1940384.7/38

All: 975.598+/-0.104 χ^2/NDF: 3670701.8/73



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1425.441+/-235.523 χ^2/NDF:40.9/19

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 69.456+/-235.414 χ^2/NDF:21.8/18

Left: 747.136+/-166.501 χ^2/NDF: 79.2/38

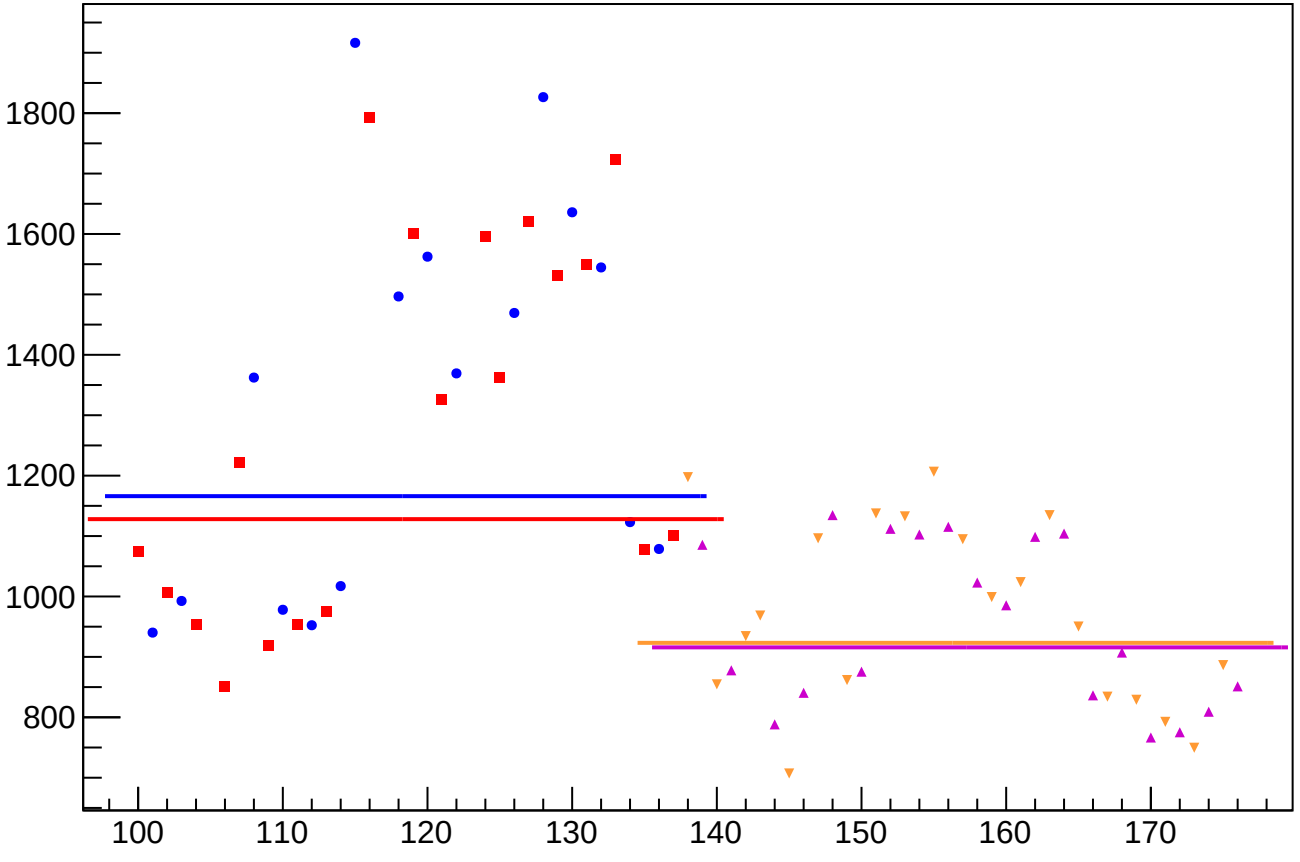
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 123.411+/-208.226 χ^2/NDF:44.2/34

Out: 873.764+/-206.051 χ^2/NDF:78.8/38

All: 502.528+/-146.463 χ^2/NDF: 129.5/73

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 923.256+/-0.167 χ^2/NDF:795520.5/19

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 915.743+/-0.166 χ^2/NDF:595068.1/18

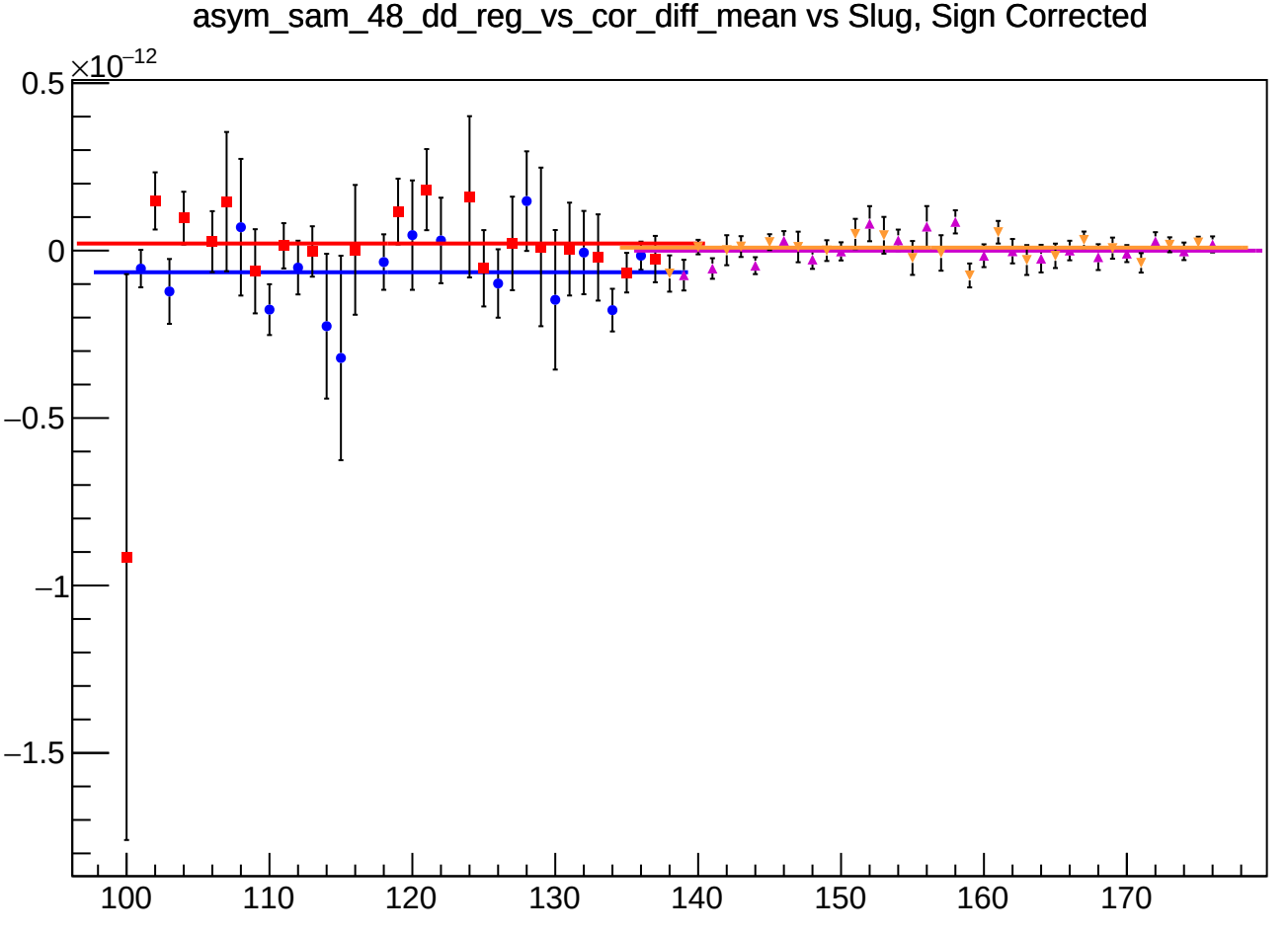
Left: 919.498+/-0.118 χ^2/NDF: 1391606.6/38

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 970.222+/-0.147 χ^2/NDF:1764251.4/34

Out: 971.292+/-0.146 χ^2/NDF:1925903.7/38

All: 970.762+/-0.104 χ^2/NDF: 3690181.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/18

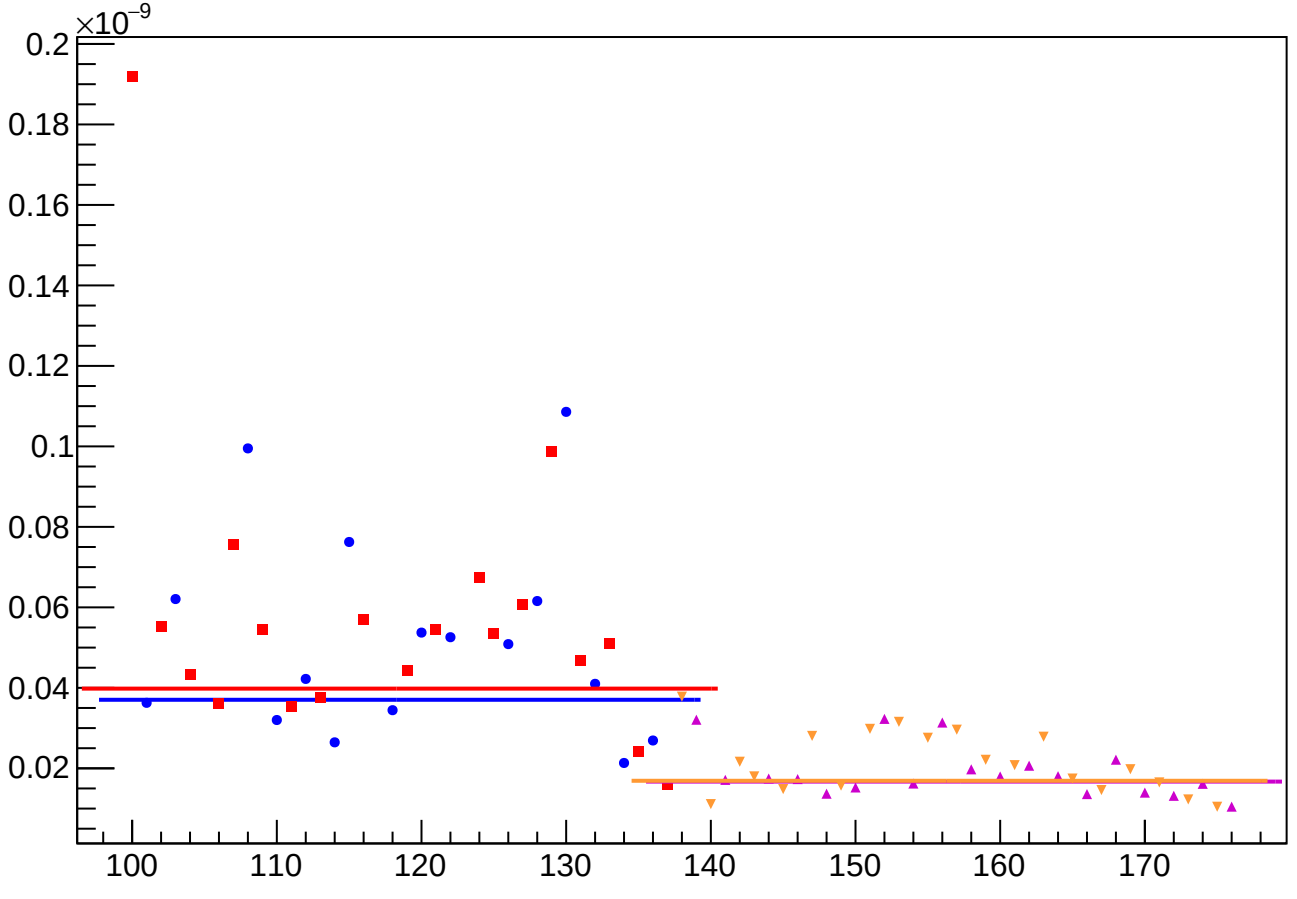
Left: 0.000+/-0.000 χ^2/NDF: 41.8/38

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: 0.000+/-0.000 χ^2/NDF:28.8/38

All: 0.000+/-0.000 χ^2/NDF: 76.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700378.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:847754.9/18

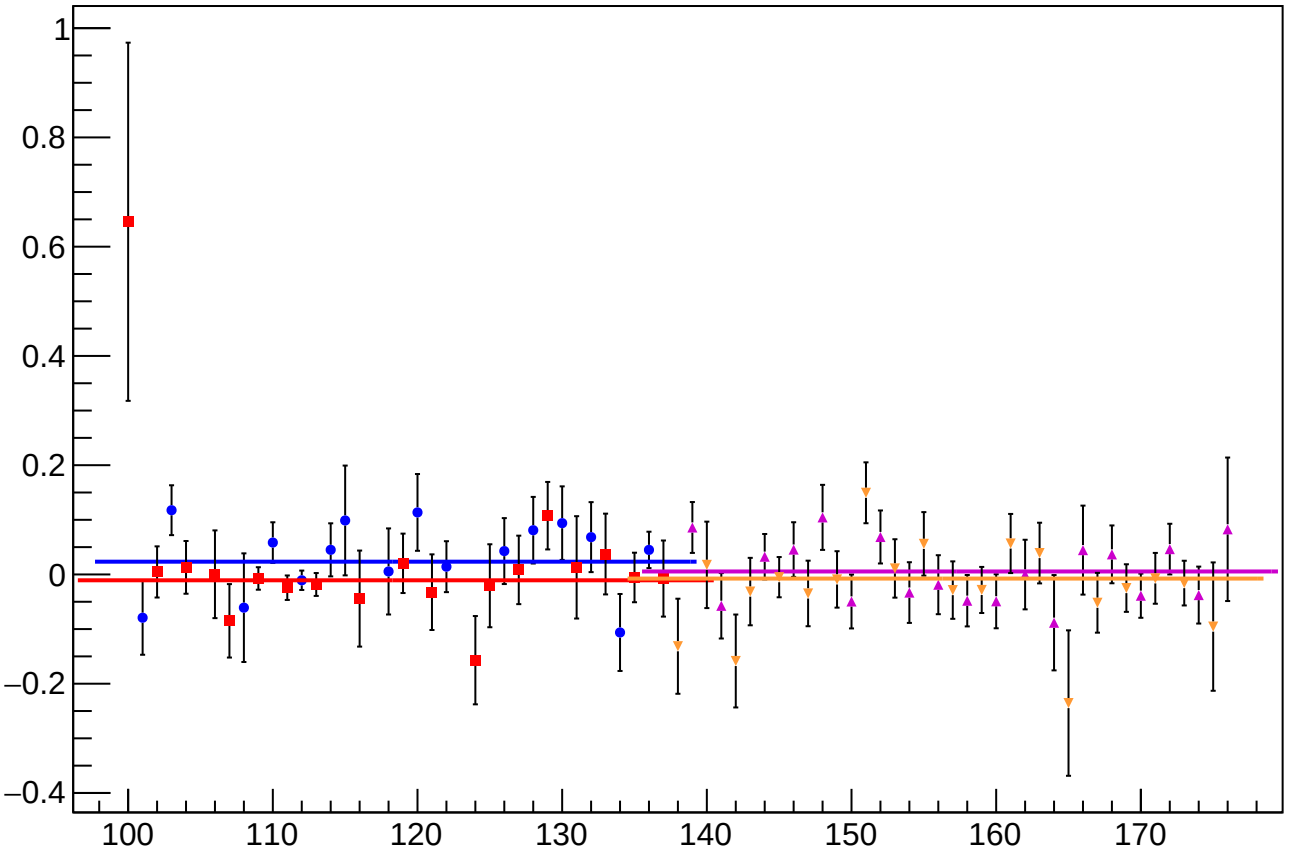
Left: 0.000+/-0.000 χ^2/NDF: 2548965.7/38

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3408645.0/34

Out: 0.000+/-0.000 χ^2/NDF:4406319.1/38

All: 0.000+/-0.000 χ^2/NDF: 7815233.2/73



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

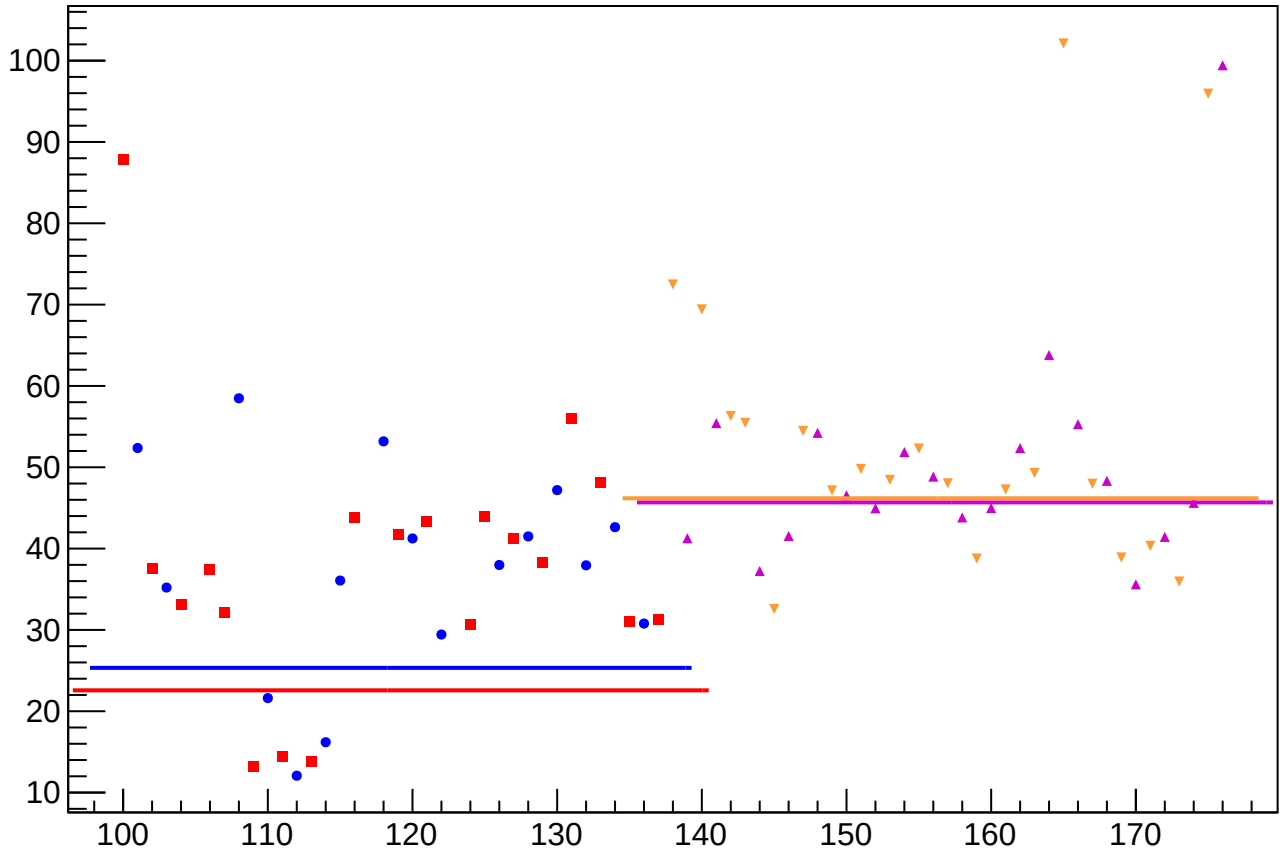
Left: -0.001+/-0.009 χ^2/NDF: 41.1/38

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.6/73



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

Left: 45.931+/-0.006 χ^2/NDF: 2635335.2/38

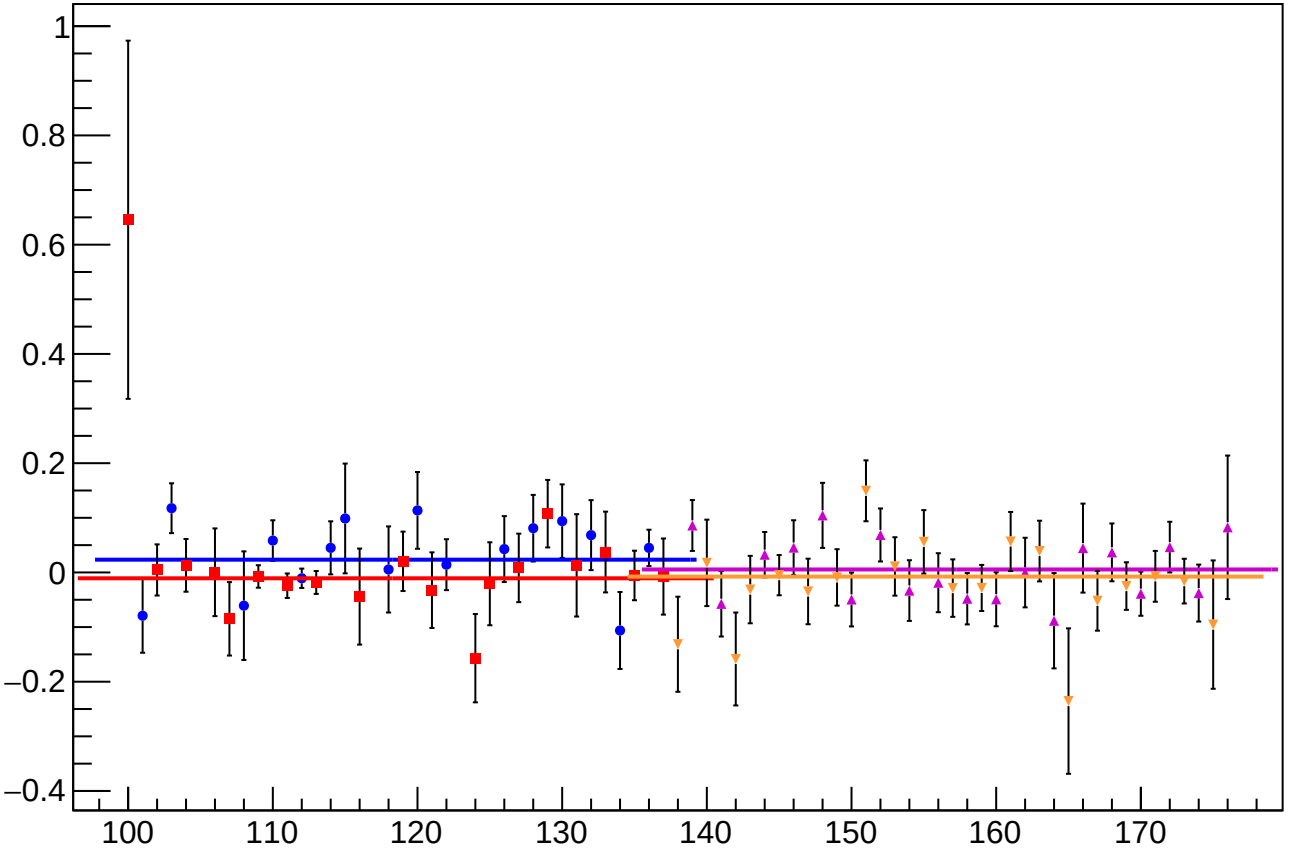
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.545+/-0.006 χ^2/NDF:6845918.2/34

Out: 31.810+/-0.005 χ^2/NDF:9453425.6/38

All: 33.085+/-0.004 χ^2/NDF: 16418544.7/73

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: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

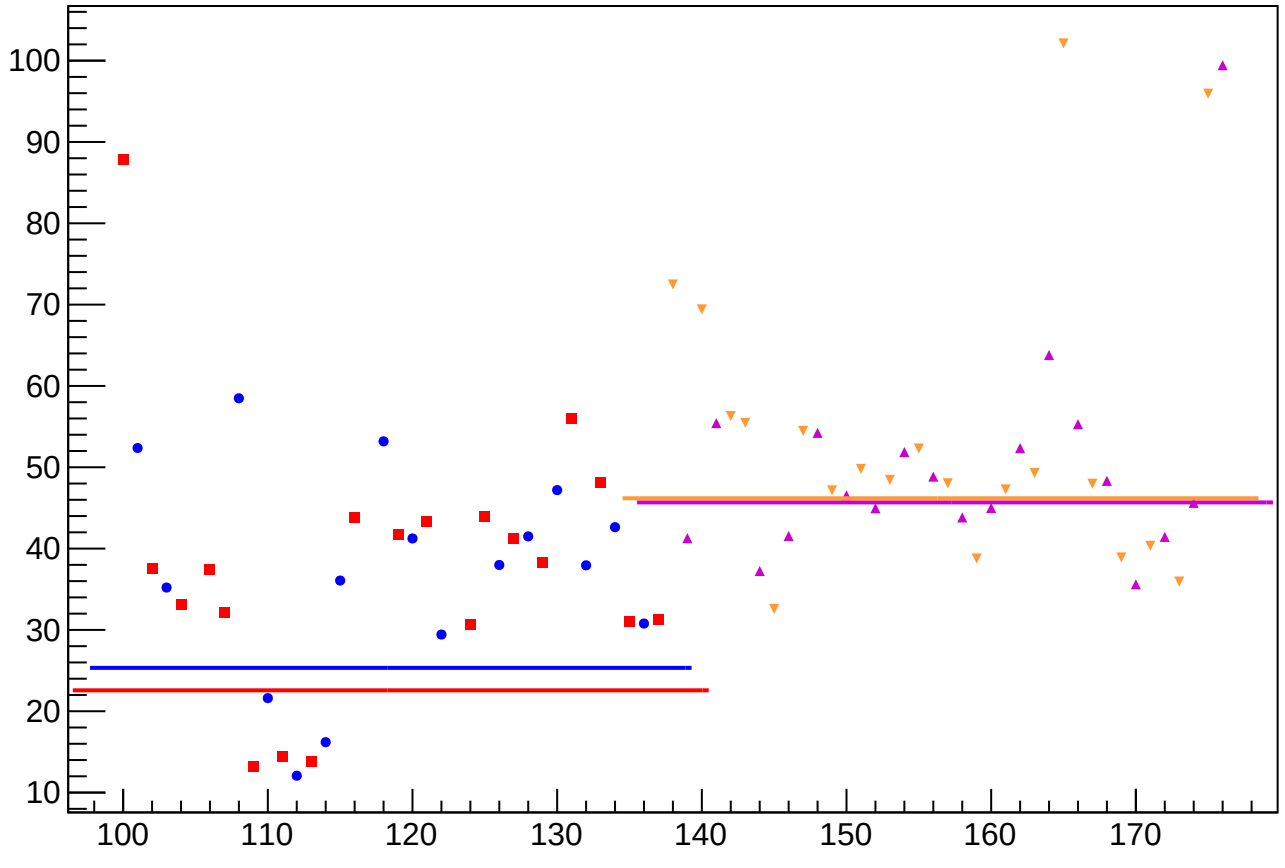
Left: -0.001+/-0.009 χ^2/NDF: 41.1/38

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.6/73



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772016.5/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

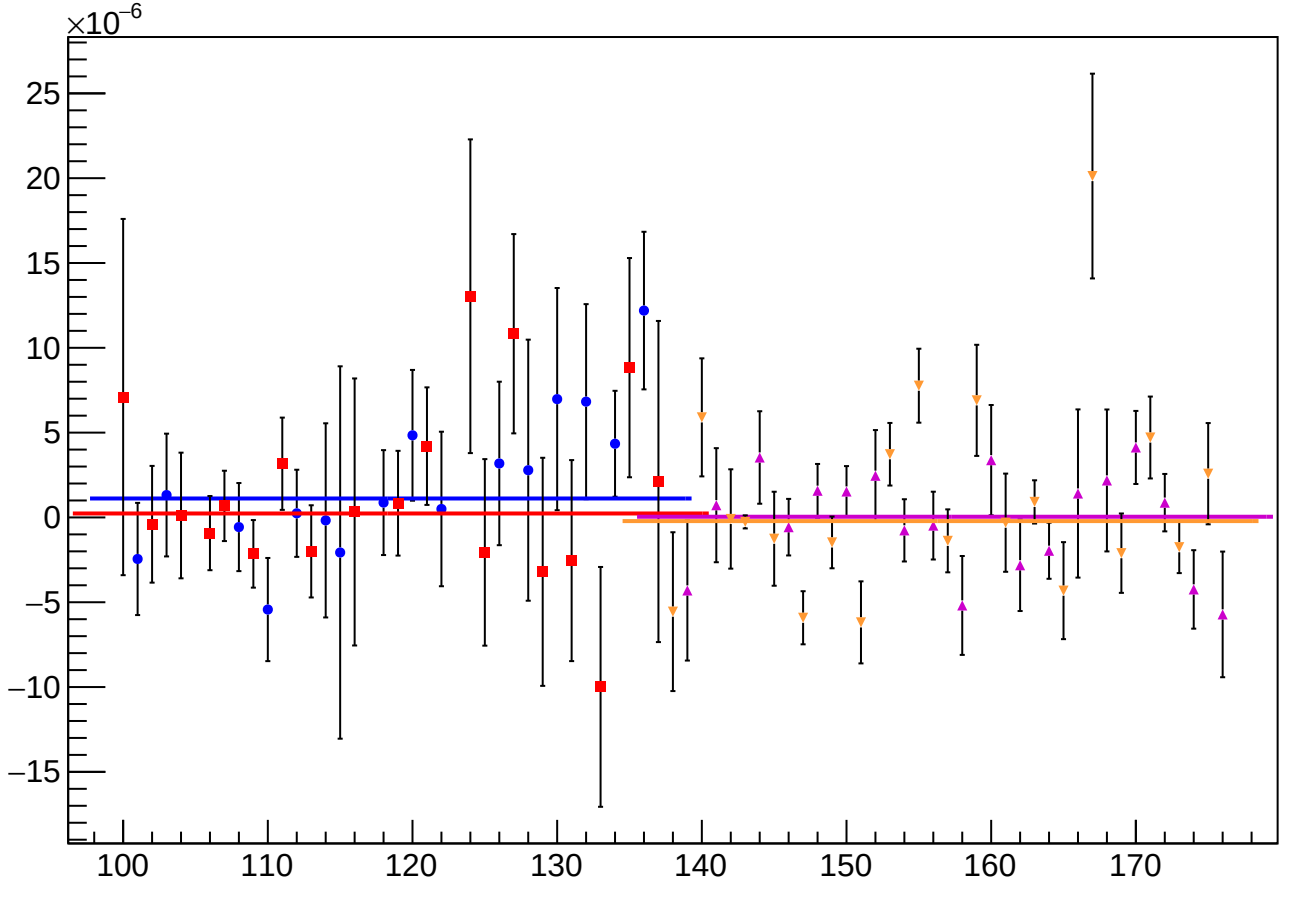
Left: 45.931+/-0.006 χ^2/NDF: 2635335.2/38

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.545+/-0.006 χ^2/NDF:6845918.2/34

Out: 31.810+/-0.005 χ^2/NDF:9453425.6/38

All: 33.085+/-0.004 χ^2/NDF: 16418544.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/18

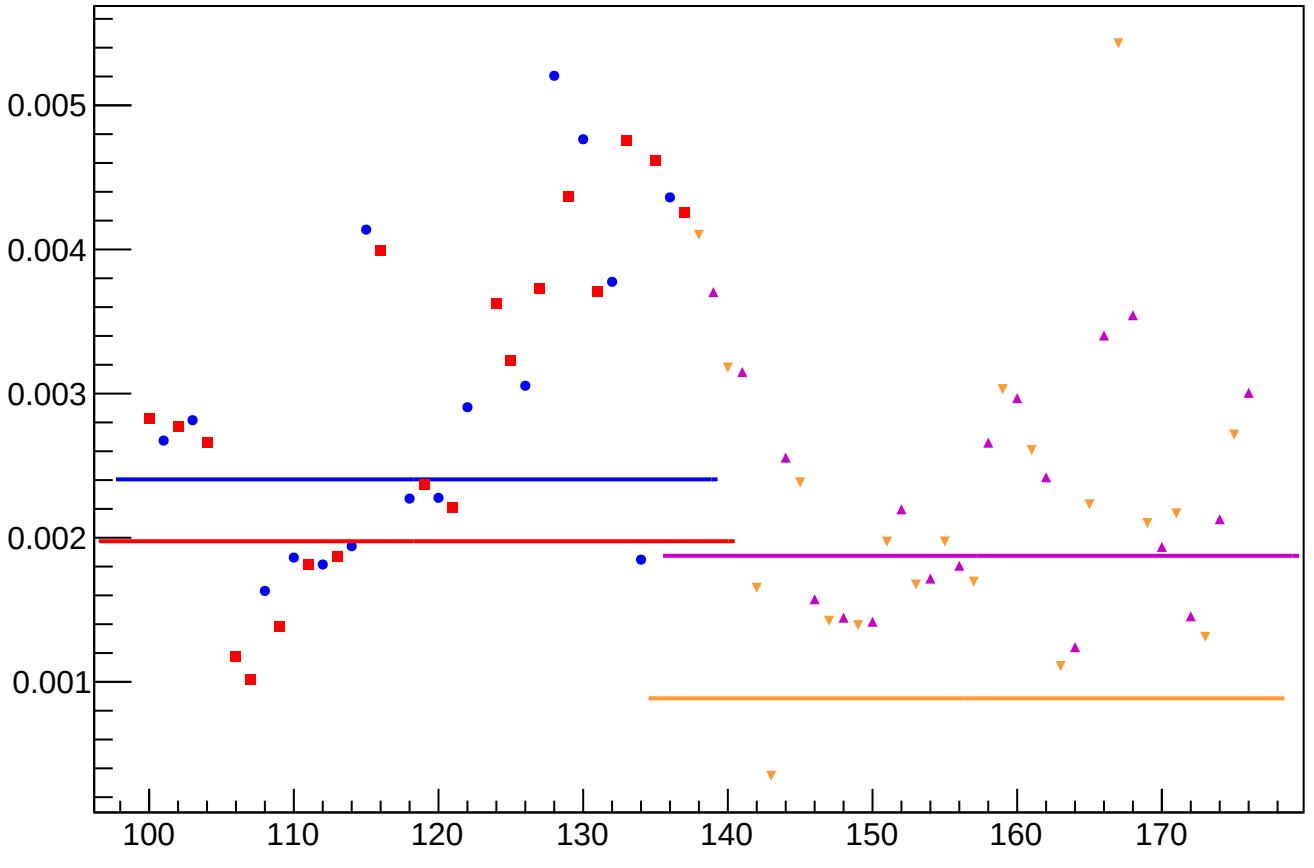
Left: -0.000+/-0.000 χ^2/NDF: 91.6/38

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: -0.000+/-0.000 χ^2/NDF:84.0/38

All: -0.000+/-0.000 χ^2/NDF: 124.7/73



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:13729087.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2840242.5/18

Left: 0.001+/-0.000 χ^2/NDF: 22077062.1/38

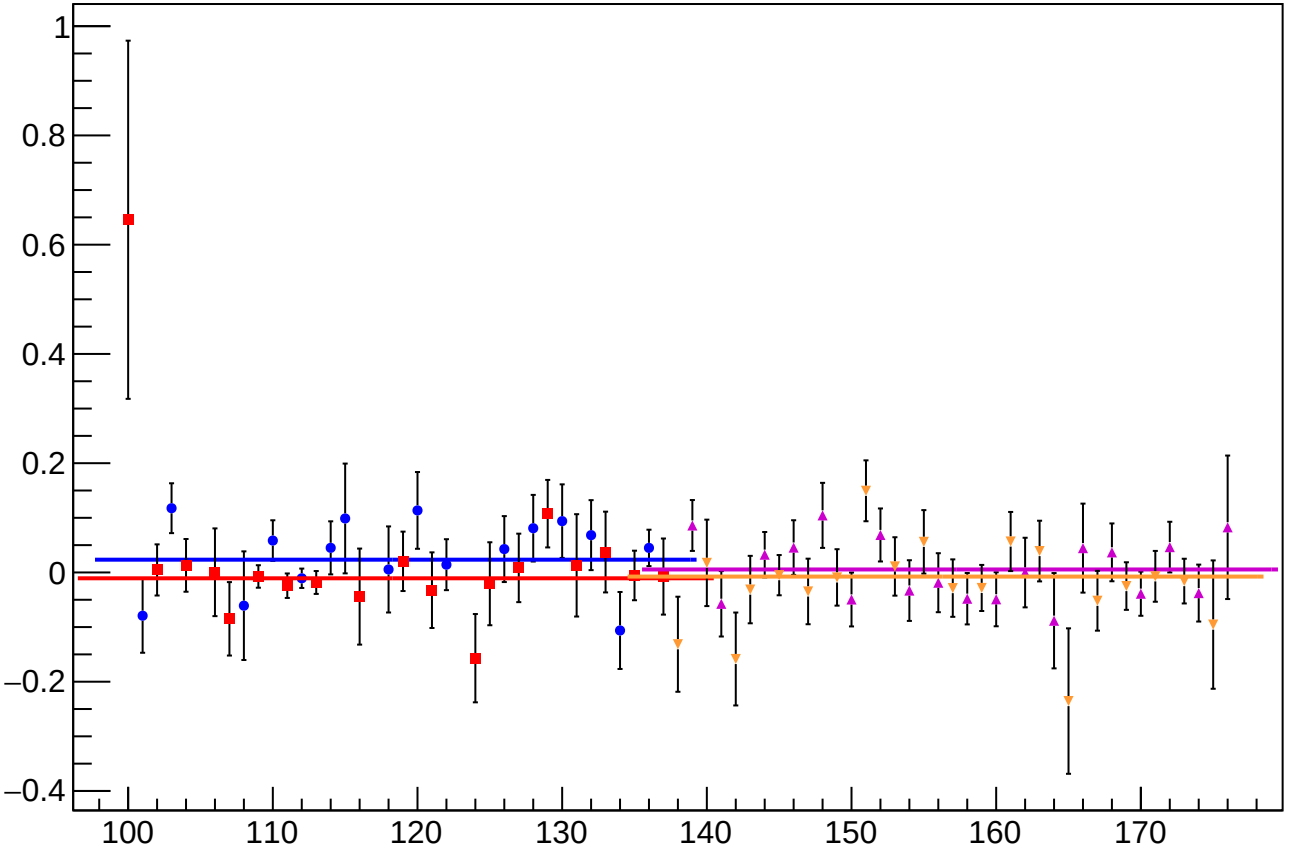
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4891061.8/34

Out: 0.001+/-0.000 χ^2/NDF:19659584.1/38

All: 0.001+/-0.000 χ^2/NDF: 31192448.1/73

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: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

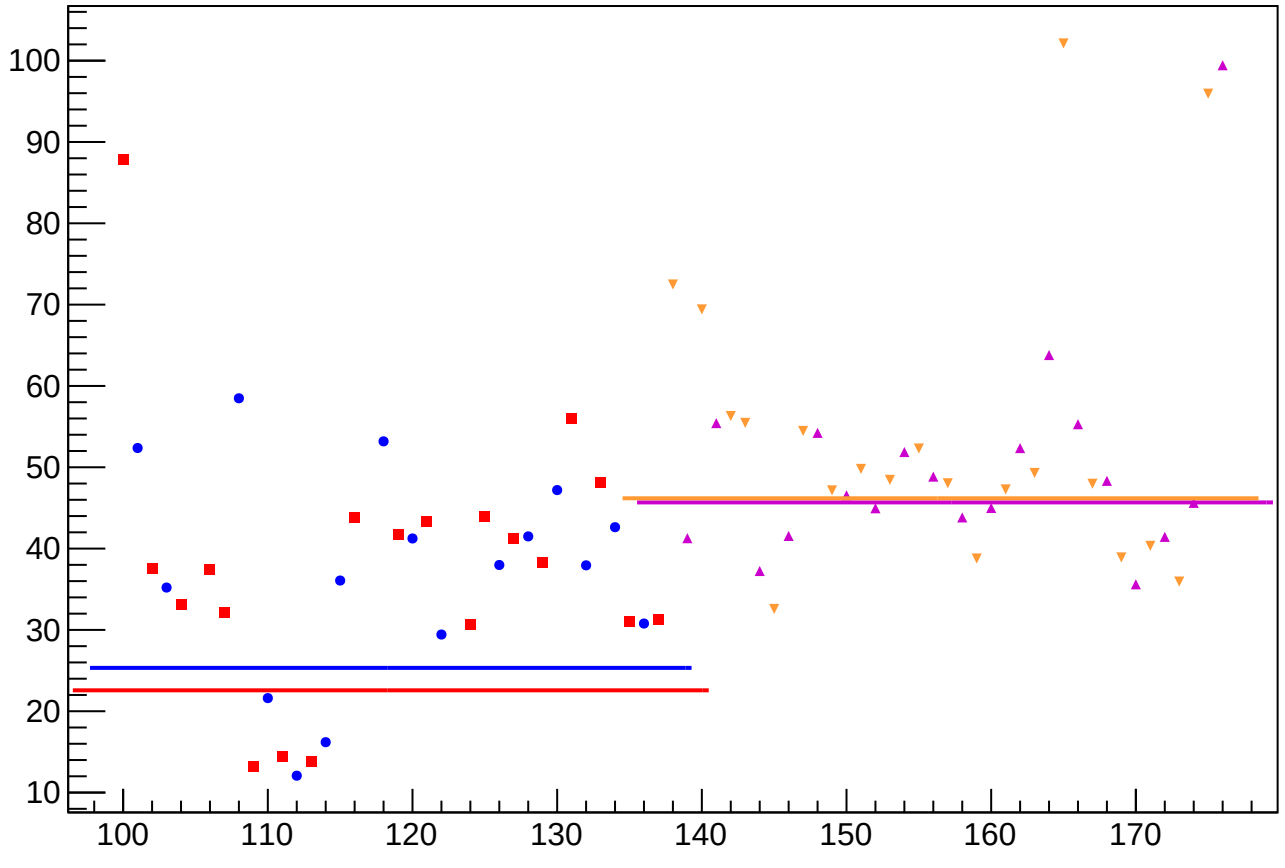
Left: -0.001+/-0.009 χ^2/NDF: 41.1/38

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.6/73



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

Left: 45.931+/-0.006 χ^2/NDF: 2635314.3/38

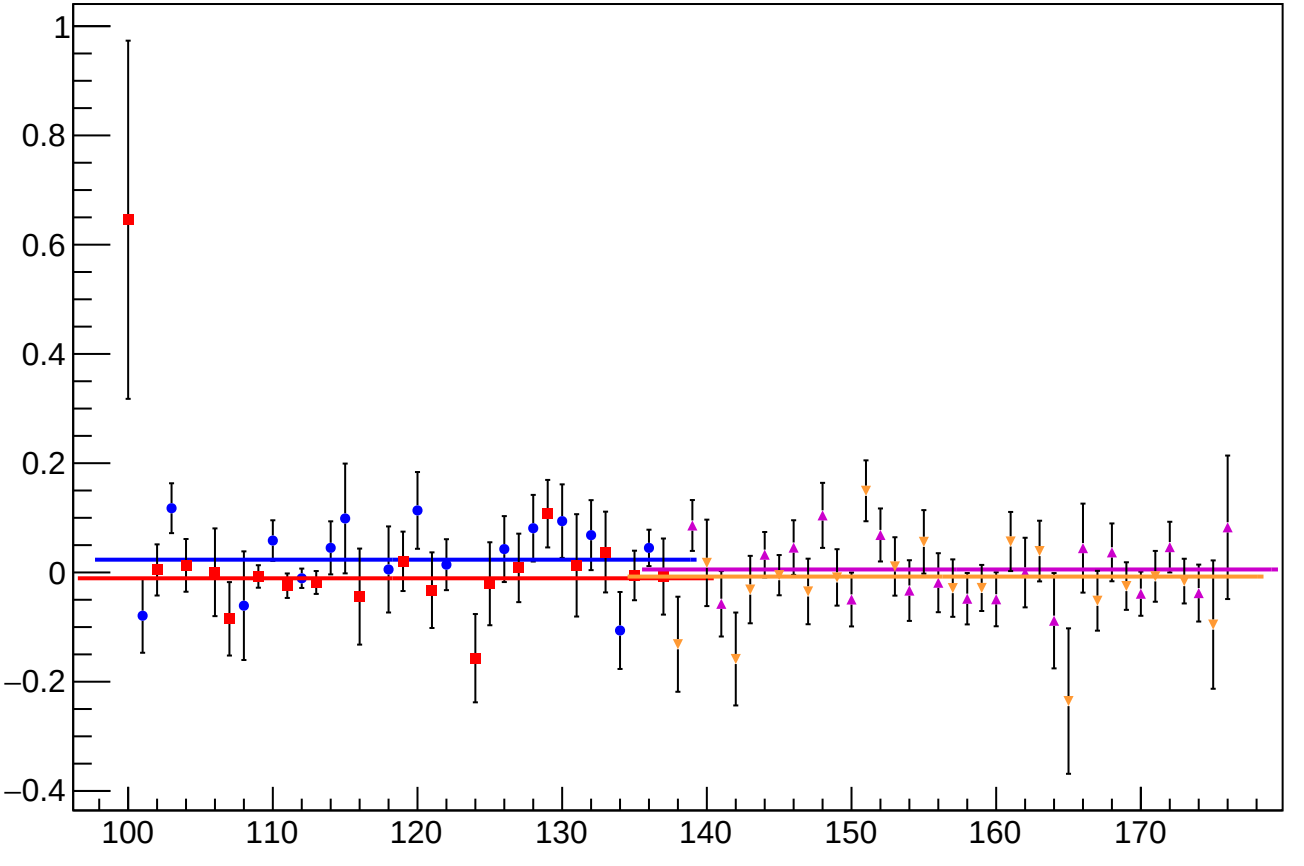
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.544+/-0.006 χ^2/NDF:6846869.1/34

Out: 31.810+/-0.005 χ^2/NDF:9453777.9/38

All: 33.084+/-0.004 χ^2/NDF: 16419786.7/73

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: -0.008+/-0.012 χ^2/NDF:21.8/19

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

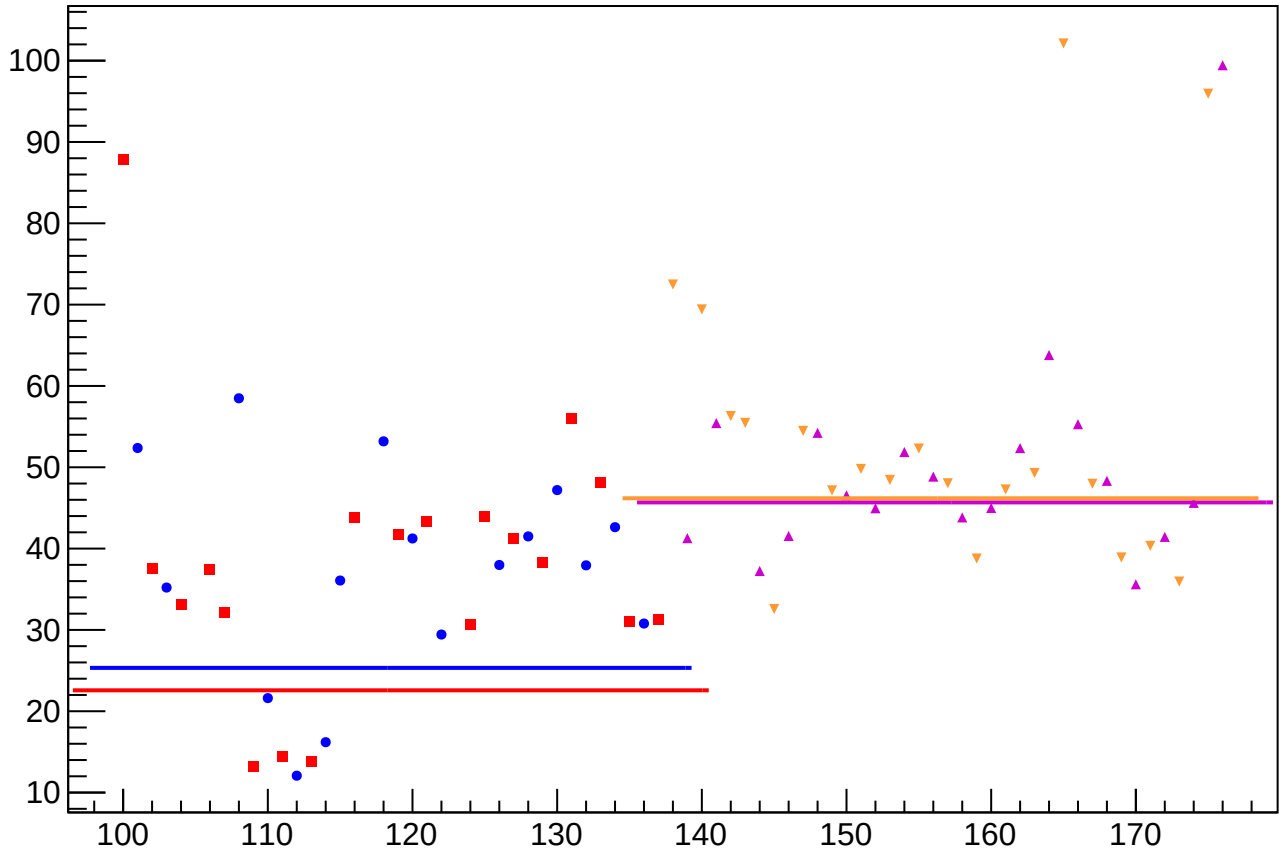
Left: -0.001+/-0.009 χ^2/NDF: 41.1/38

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.009+/-0.008 χ^2/NDF:36.0/38

All: 0.002+/-0.006 χ^2/NDF: 81.6/73



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.187+/-0.009 χ^2/NDF:1772002.7/19

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

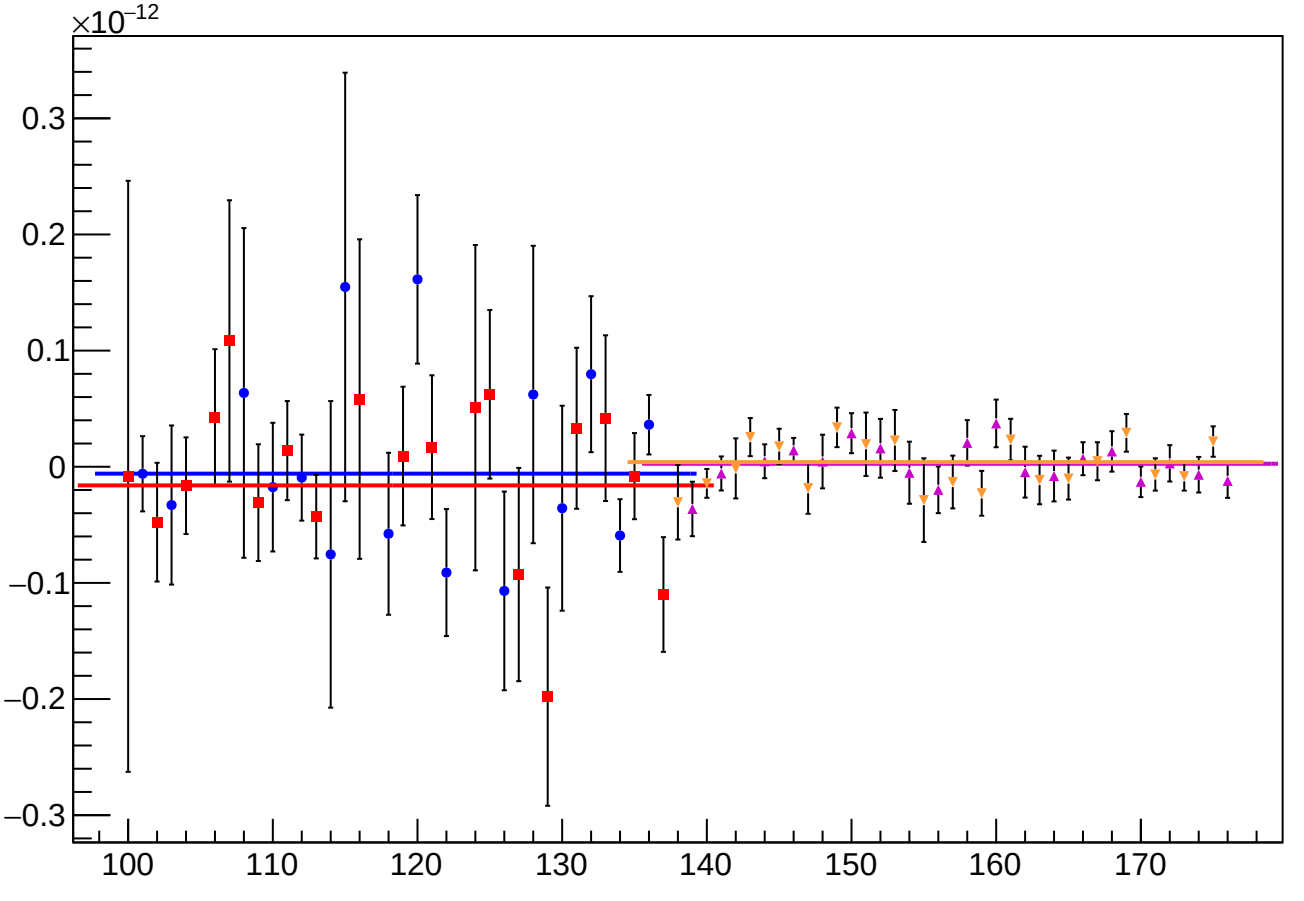
Left: 45.931+/-0.006 χ^2/NDF: 2635314.3/38

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.544+/-0.006 χ^2/NDF:6846869.1/34

Out: 31.810+/-0.005 χ^2/NDF:9453777.9/38

All: 33.084+/-0.004 χ^2/NDF: 16419786.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

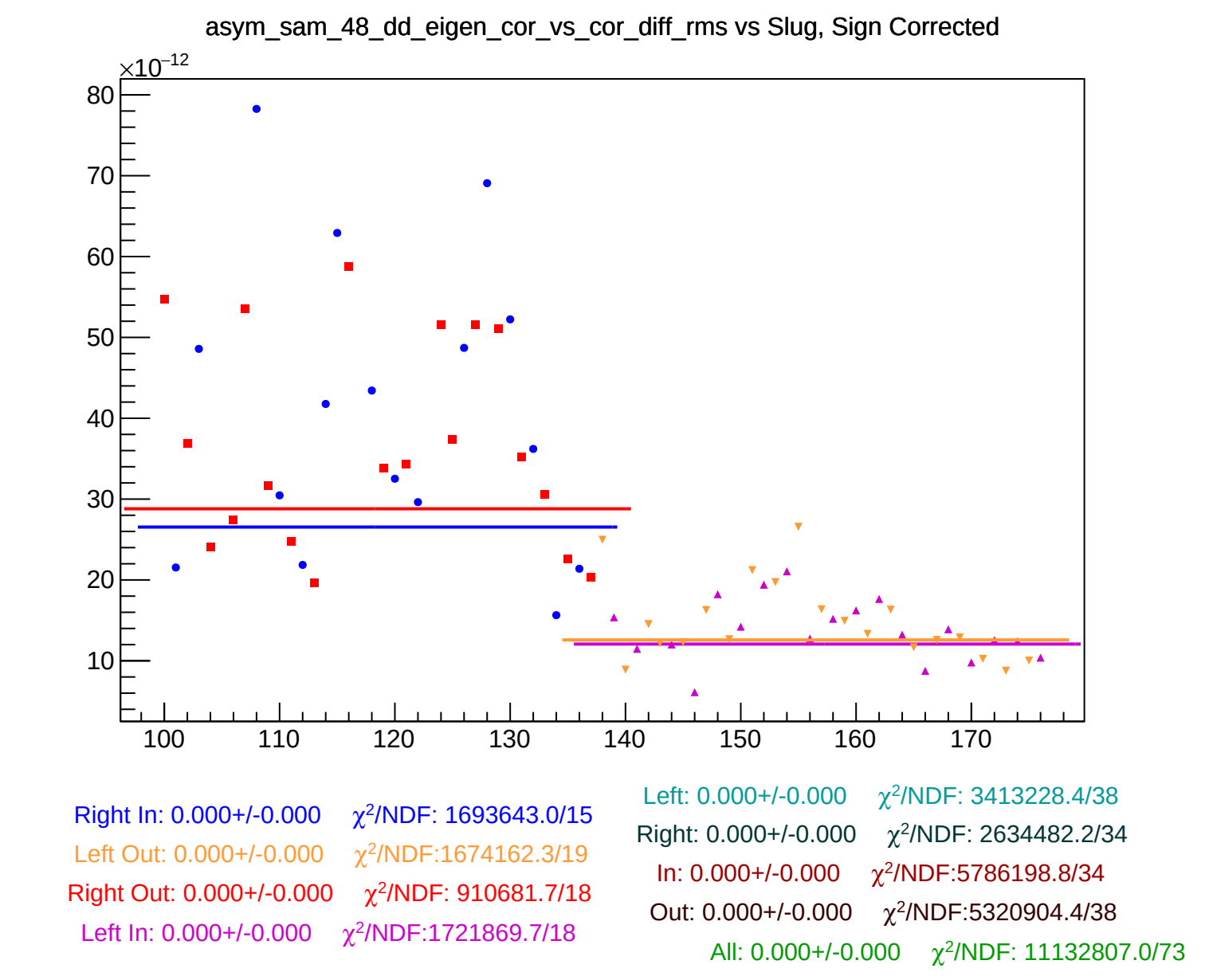
Left: 0.000+/-0.000 χ^2/NDF: 37.8/38

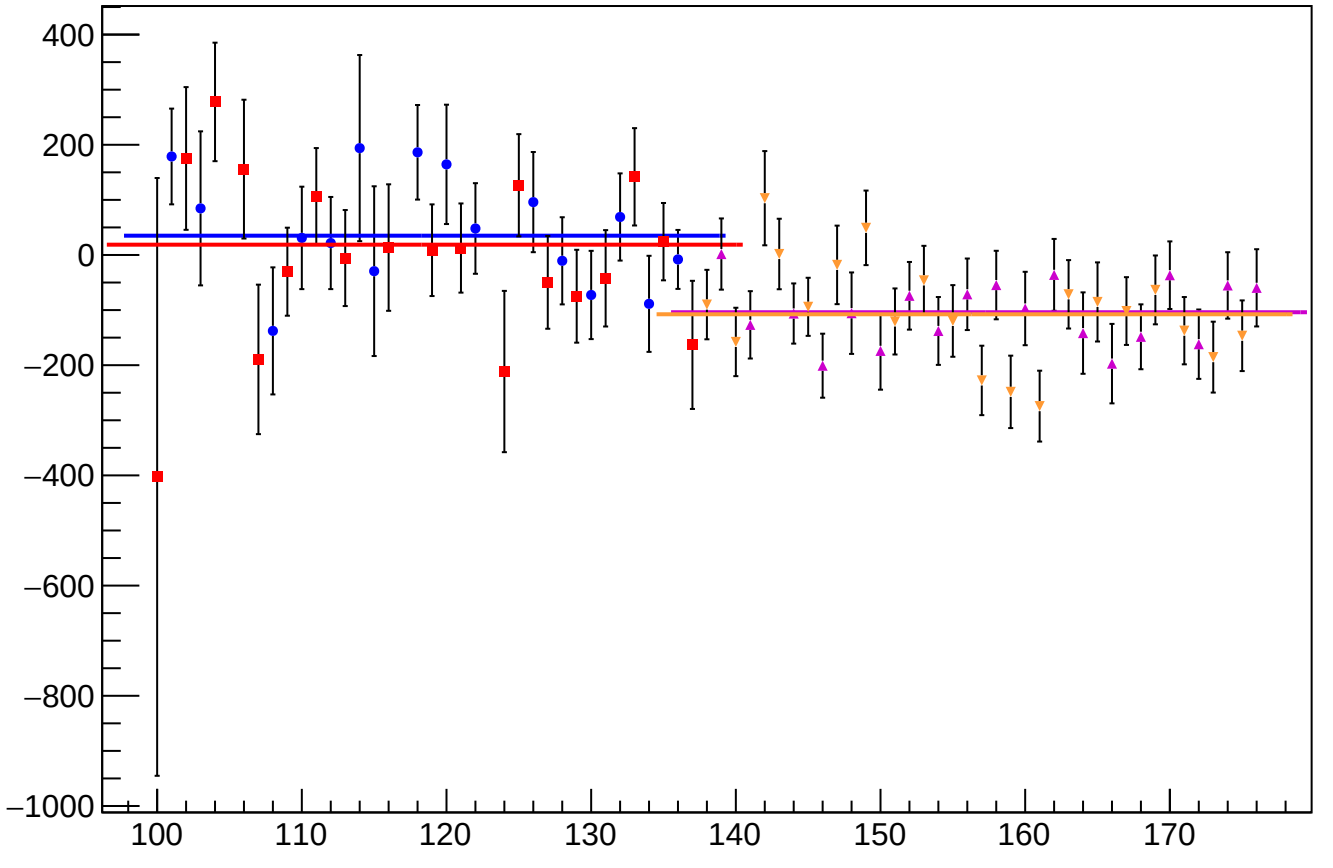
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:39.3/38

All: 0.000+/-0.000 χ^2/NDF: 74.1/73


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:1674162.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1721869.7/18
Left: 0.000+/-0.000 χ²/NDF: 3413228.4/38
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5786198.8/34
Out: 0.000+/-0.000 χ²/NDF:5320904.4/38
All: 0.000+/-0.000 χ²/NDF: 11132807.0/73



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.588+/-14.302 χ^2/NDF:35.8/19

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -103.908+/-14.634 χ^2/NDF:14.7/18

Left: -105.790+/-10.228 χ^2/NDF: 50.5/38

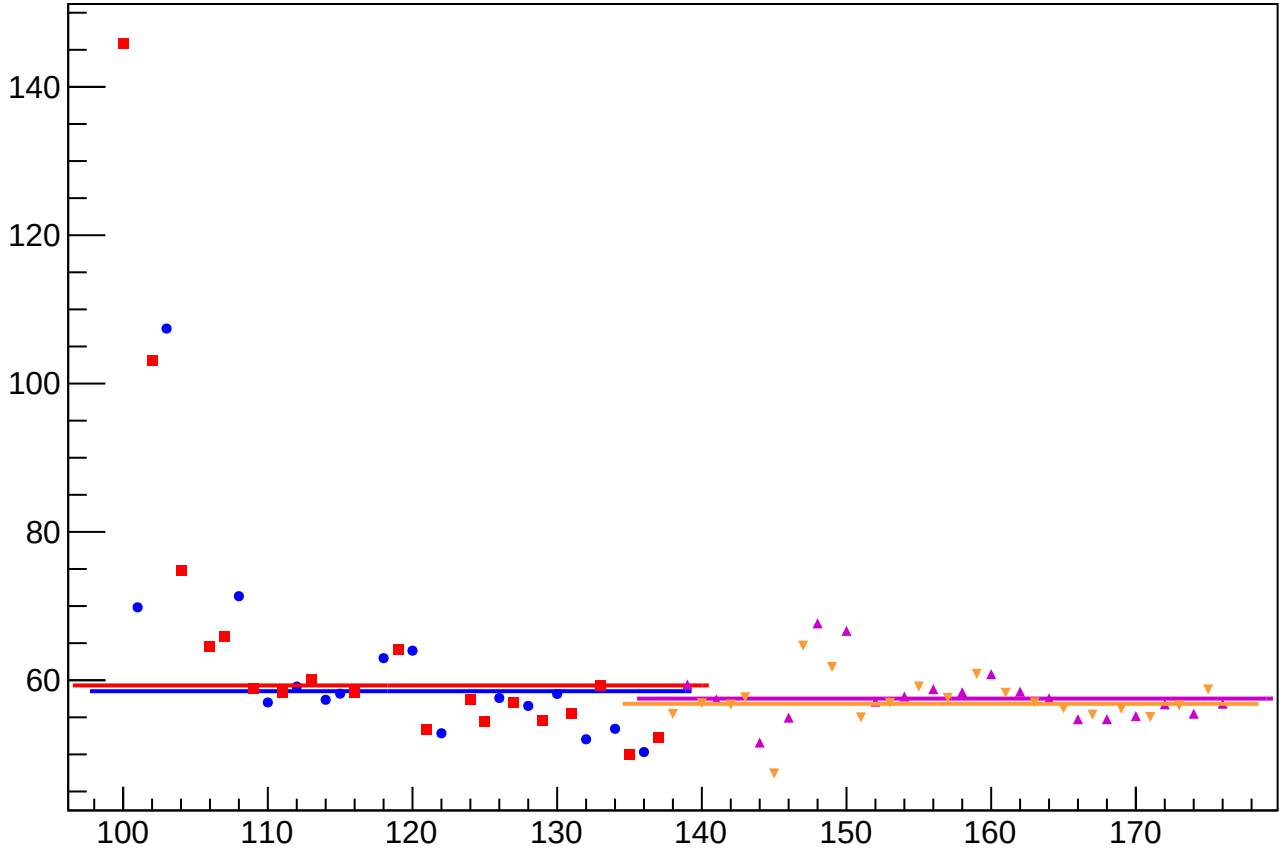
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -61.653+/-12.207 χ^2/NDF:58.3/34

Out: -70.402+/-12.013 χ^2/NDF:82.2/38

All: -66.098+/-8.562 χ^2/NDF: 140.8/73

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

Left: 57.164+/-0.007 χ^2/NDF: 240833.7/38

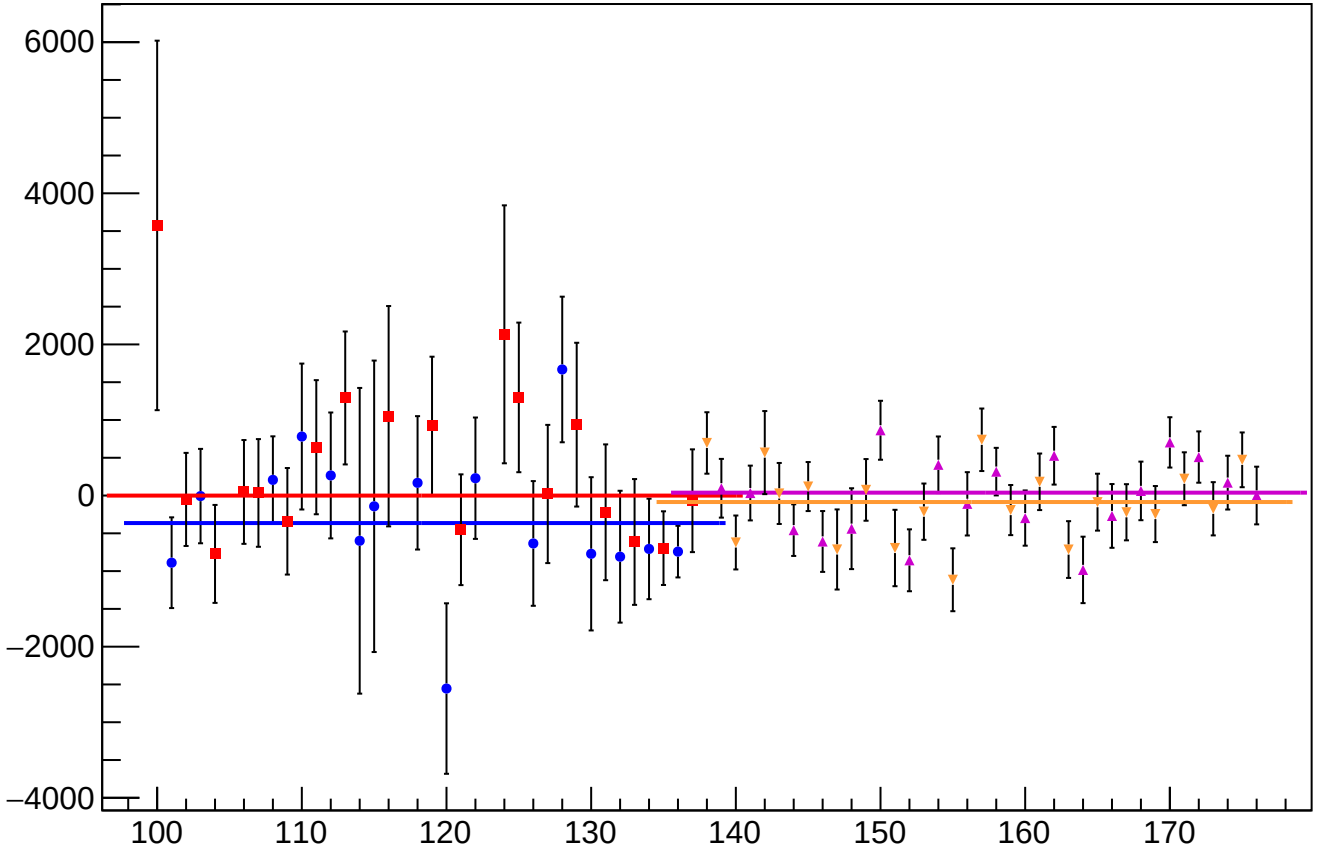
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.828+/-0.009 χ^2/NDF:515822.8/34

Out: 57.551+/-0.008 χ^2/NDF:542543.3/38

All: 57.687+/-0.006 χ^2/NDF: 1058886.9/73

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: -85.673+/-86.432 χ^2/NDF:28.0/19

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 38.184+/-86.990 χ^2/NDF:31.1/18

Left: -24.143+/-61.313 χ^2/NDF: 60.1/38

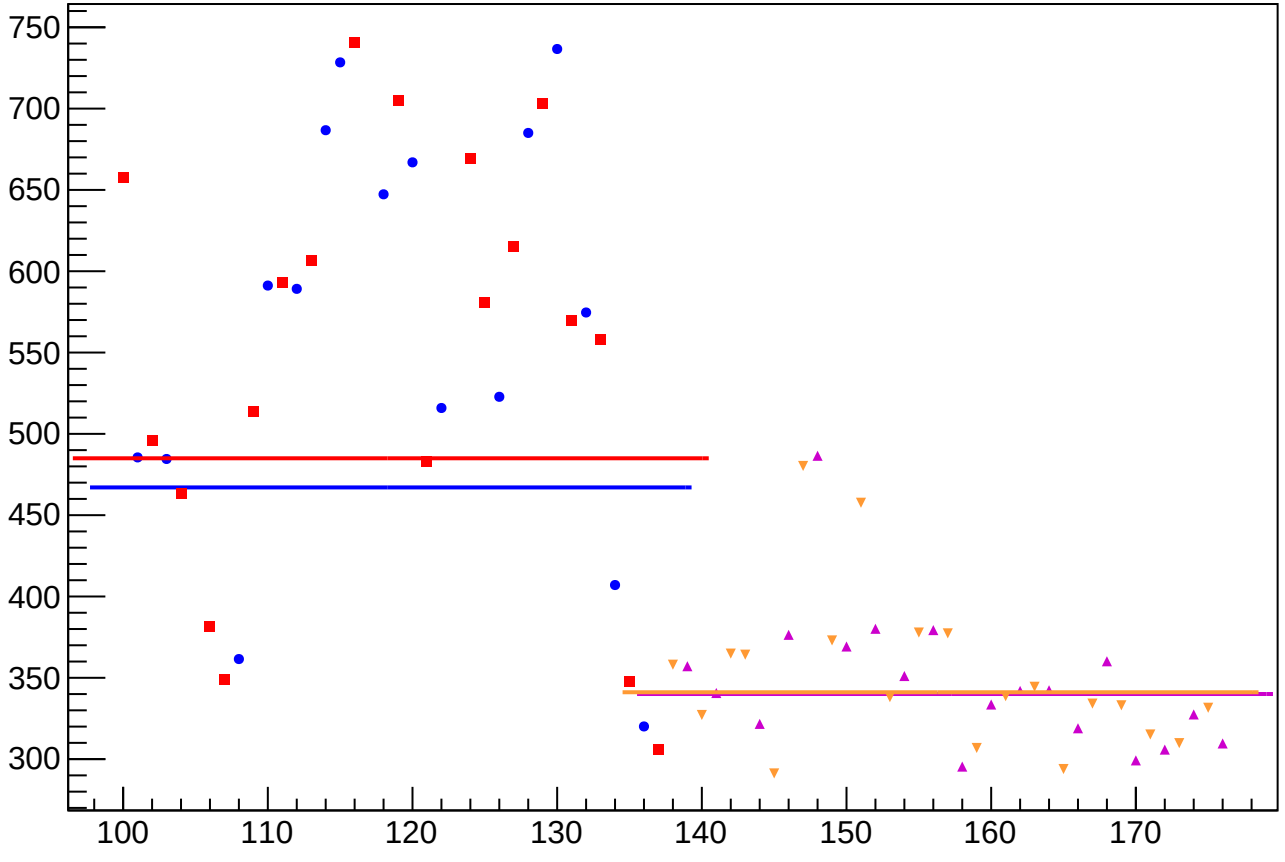
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -37.568+/-78.373 χ^2/NDF:50.4/34

Out: -70.163+/-78.160 χ^2/NDF:43.2/38

All: -53.910+/-55.342 χ^2/NDF: 93.7/73

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: 341.119+/-0.061 χ^2/NDF:434284.6/19

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342479.7/18

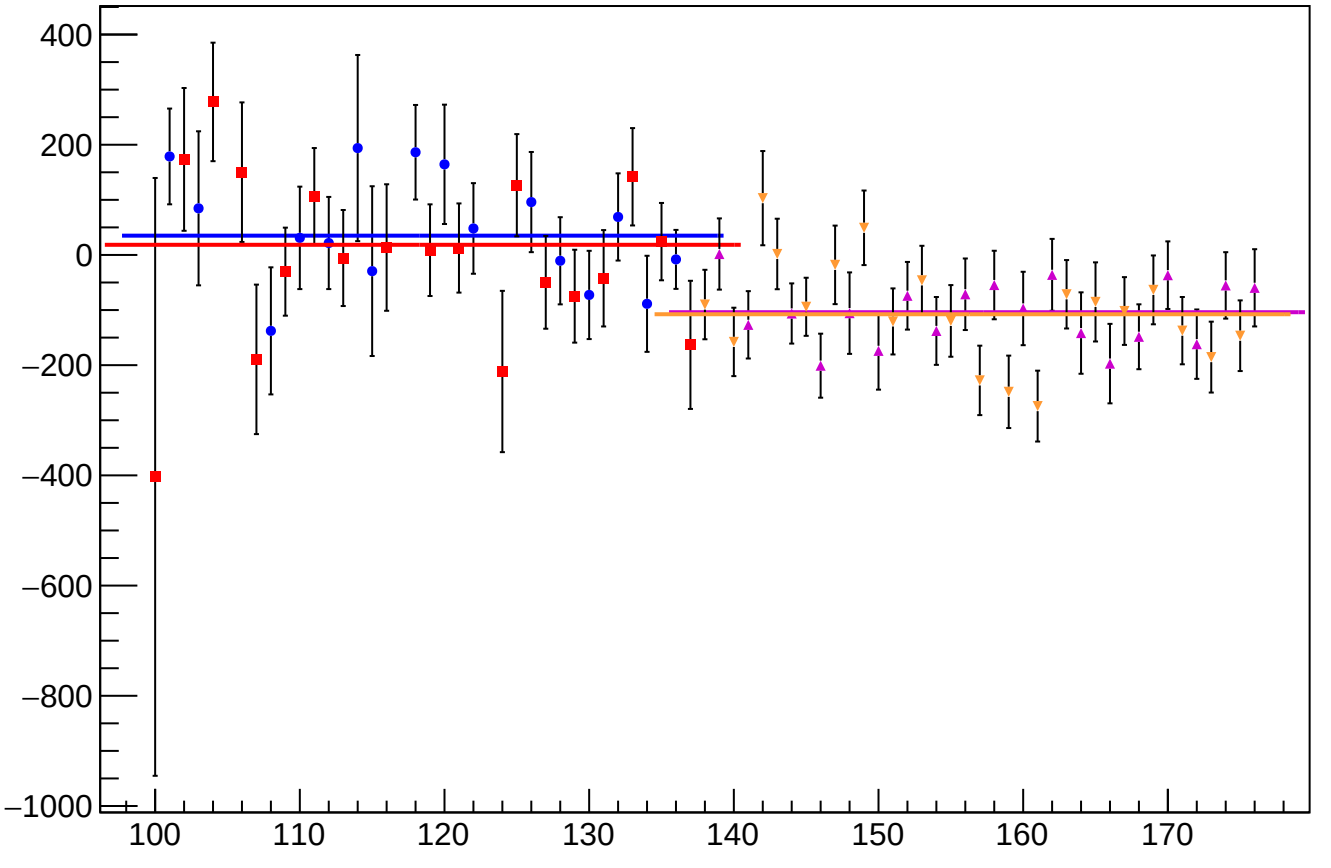
Left: 340.582+/-0.043 χ^2/NDF: 776919.6/38

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 363.960+/-0.055 χ^2/NDF:2175891.8/34

Out: 367.338+/-0.055 χ^2/NDF:2318200.0/38

All: 365.654+/-0.039 χ^2/NDF: 4495953.8/73



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -103.909+/-14.634 χ^2/NDF:14.7/18

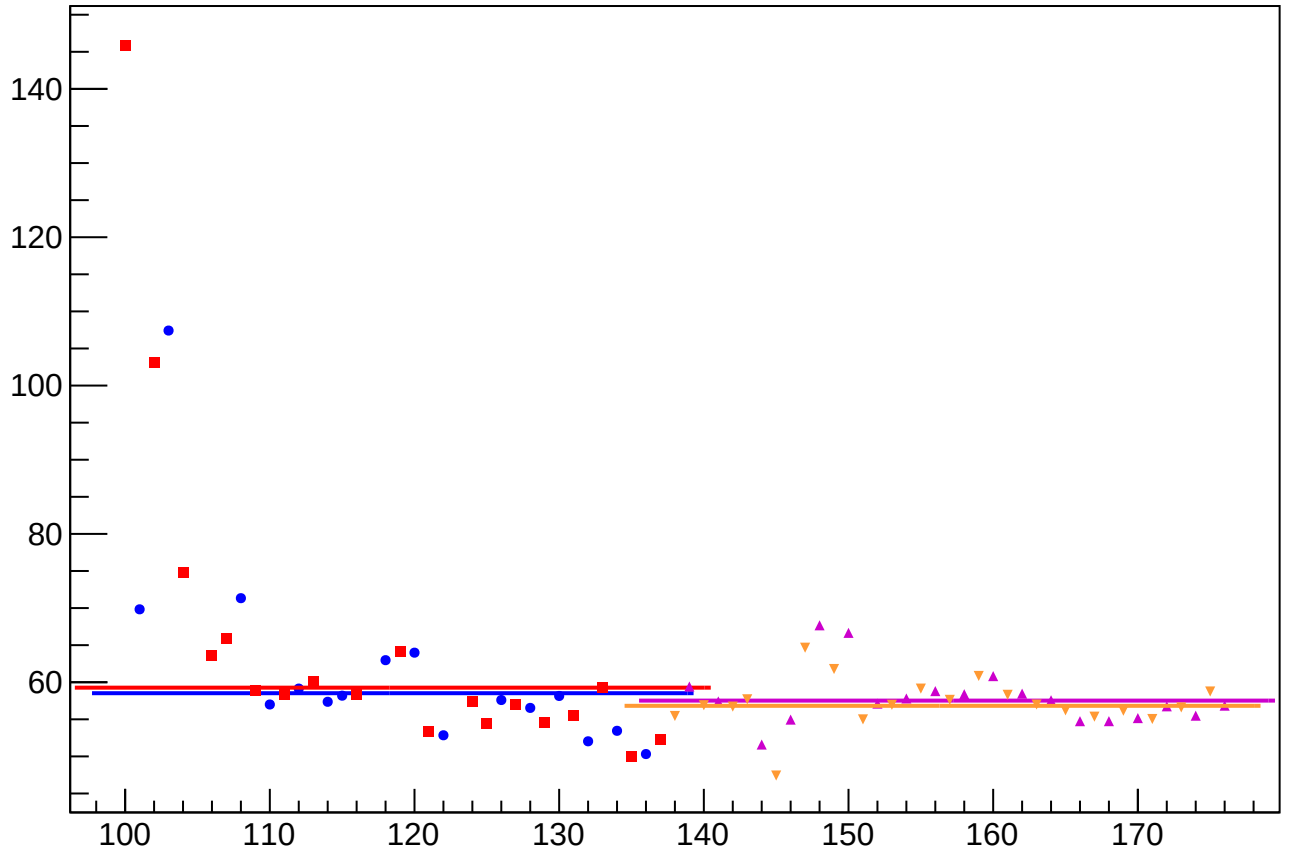
Left: -105.790+/-10.228 χ^2/NDF: 50.5/38

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.655+/-12.207 χ^2/NDF:58.3/34

Out: -70.491+/-12.013 χ^2/NDF:82.0/38

All: -66.143+/-8.562 χ^2/NDF: 140.5/73



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

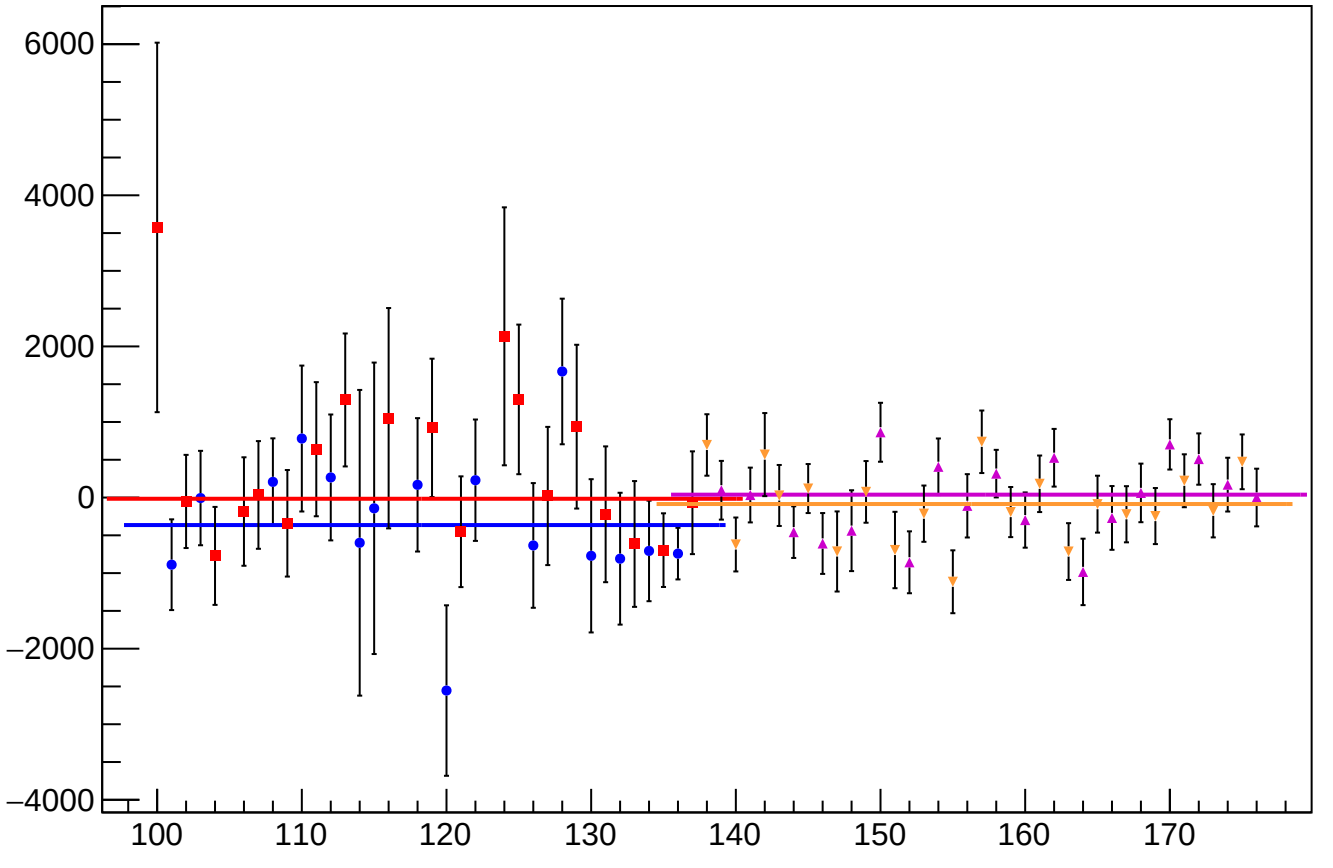
Left: 57.164+/-0.007 χ^2/NDF: 240833.8/38

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.828+/-0.009 χ^2/NDF:515824.9/34

Out: 57.542+/-0.008 χ^2/NDF:541091.9/38

All: 57.682+/-0.006 χ^2/NDF: 1057474.2/73



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 38.183+/-86.990 χ^2/NDF:31.1/18

Left: -24.145+/-61.313 χ^2/NDF: 60.1/38

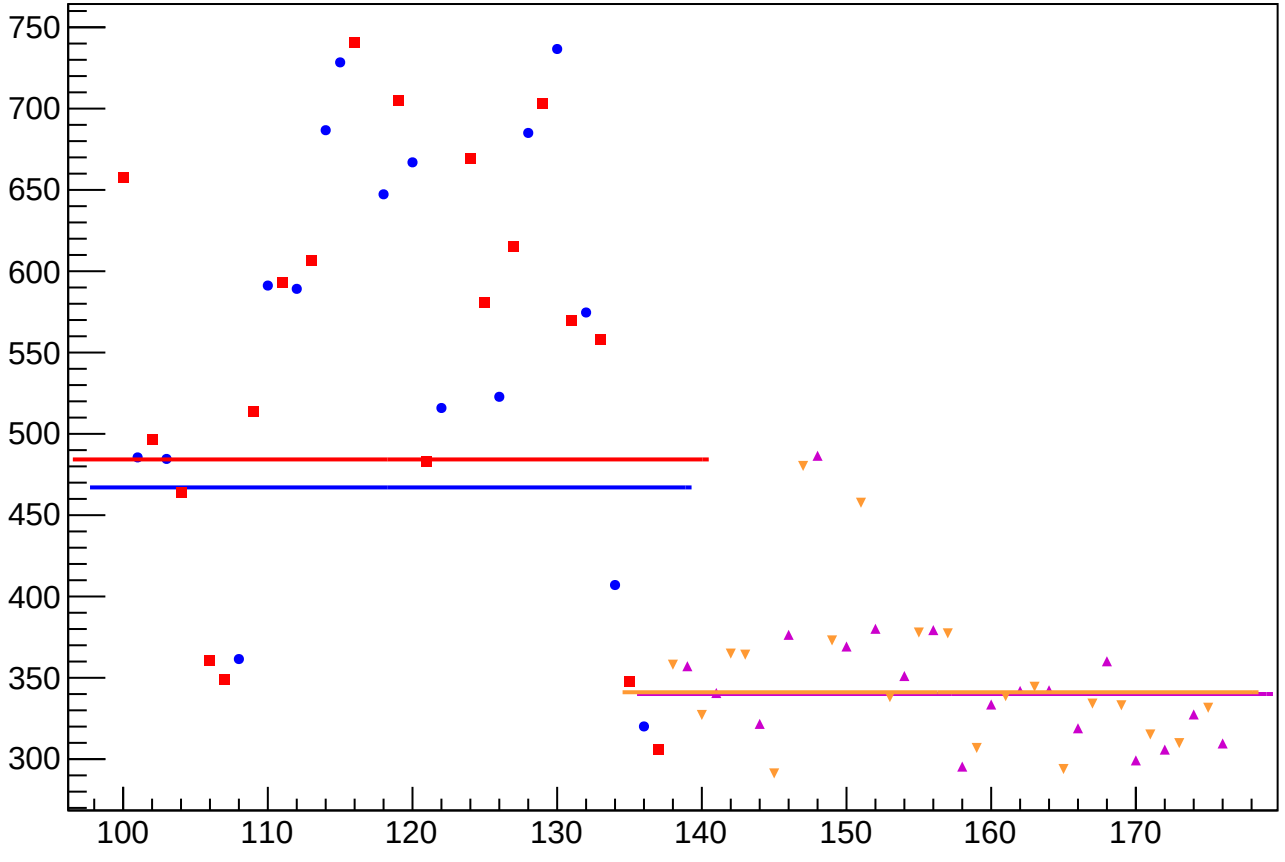
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -37.562+/-78.373 χ^2/NDF:50.4/34

Out: -73.055+/-78.204 χ^2/NDF:43.2/38

All: -55.347+/-55.358 χ^2/NDF: 93.7/73

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: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

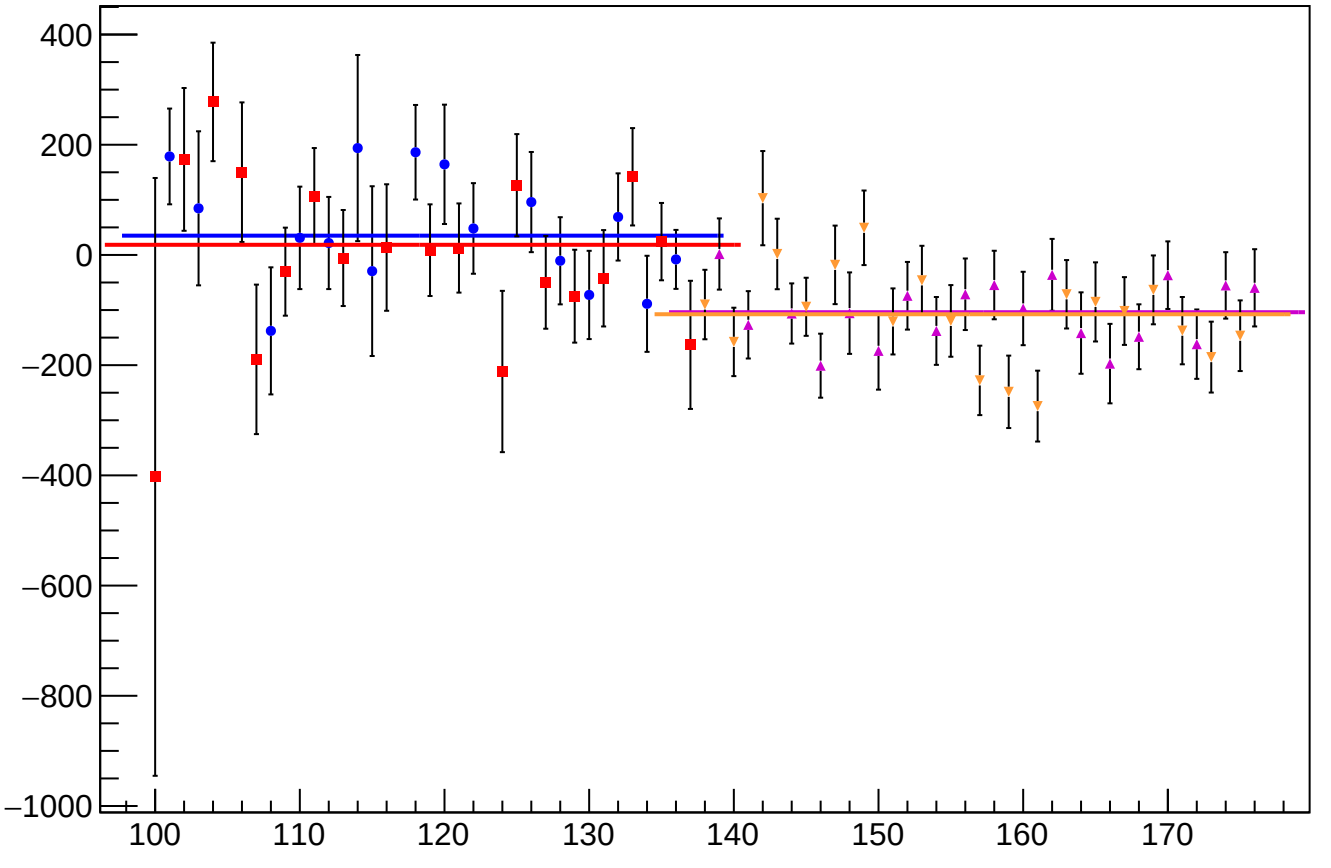
Left: 340.582+/-0.043 χ^2/NDF: 776922.9/38

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 363.961+/-0.055 χ^2/NDF:2175923.6/34

Out: 367.077+/-0.055 χ^2/NDF:2317948.0/38

All: 365.522+/-0.039 χ^2/NDF: 4495456.7/73



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.586+/-14.302 χ^2/NDF:35.7/19

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -103.909+/-14.634 χ^2/NDF:14.7/18

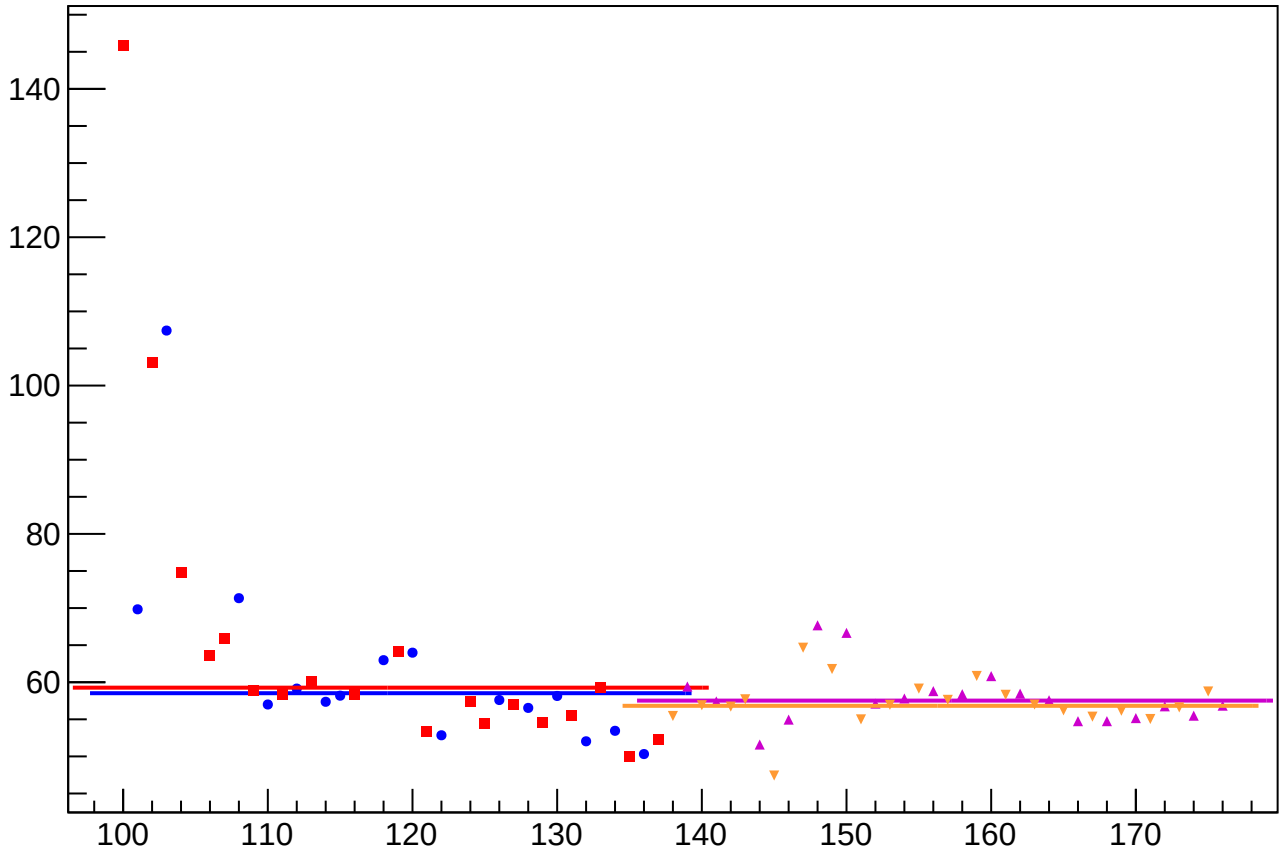
Left: -105.790+/-10.228 χ^2/NDF: 50.5/38

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.655+/-12.207 χ^2/NDF:58.3/34

Out: -70.491+/-12.013 χ^2/NDF:82.0/38

All: -66.143+/-8.562 χ^2/NDF: 140.5/73



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.821+/-0.010 χ^2/NDF:118215.6/19

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

Left: 57.164+/-0.007 χ^2/NDF: 240833.8/38

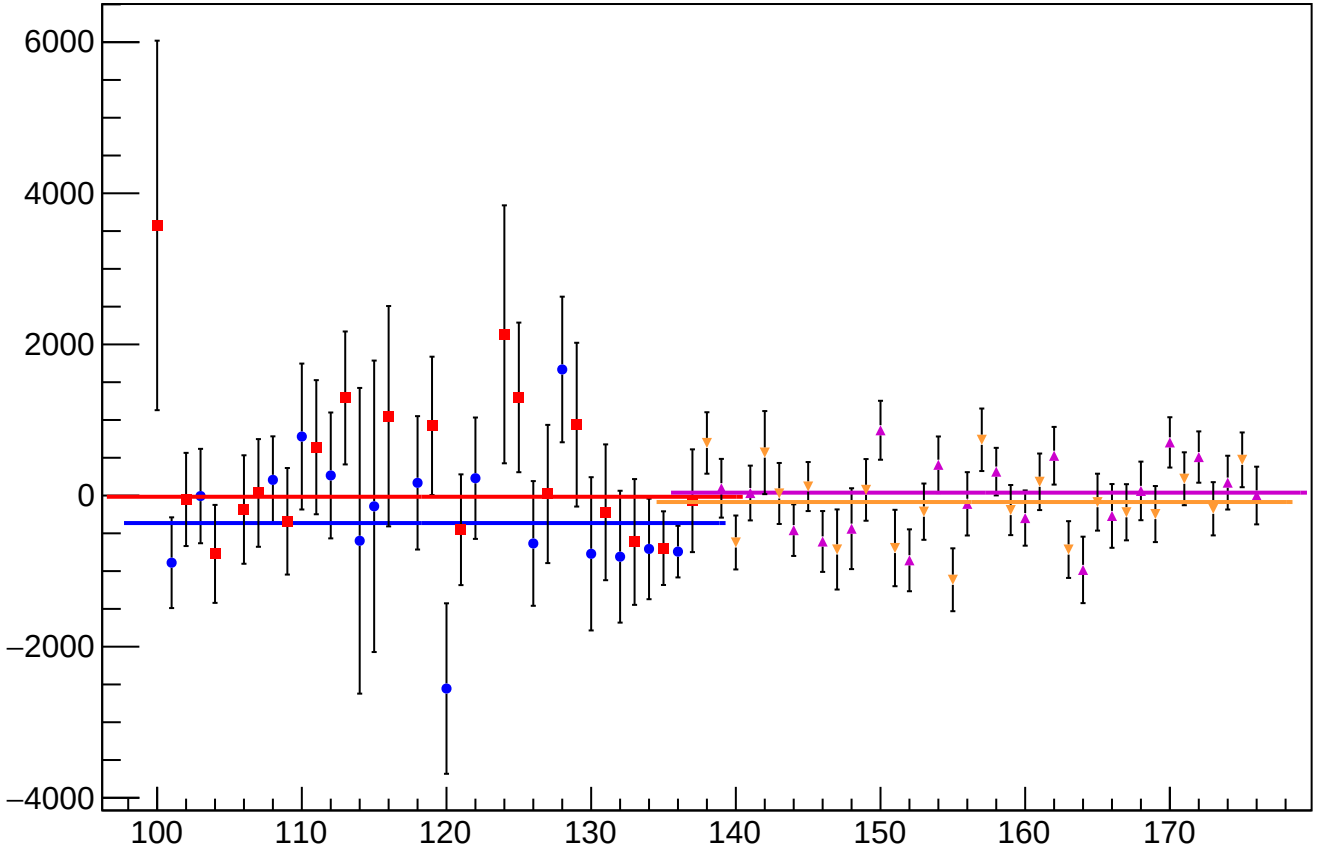
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.828+/-0.009 χ^2/NDF:515824.9/34

Out: 57.542+/-0.008 χ^2/NDF:541091.9/38

All: 57.682+/-0.006 χ^2/NDF: 1057474.2/73

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: -85.674+/-86.432 χ^2/NDF:28.0/19

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 38.183+/-86.990 χ^2/NDF:31.1/18

Left: -24.145+/-61.313 χ^2/NDF: 60.1/38

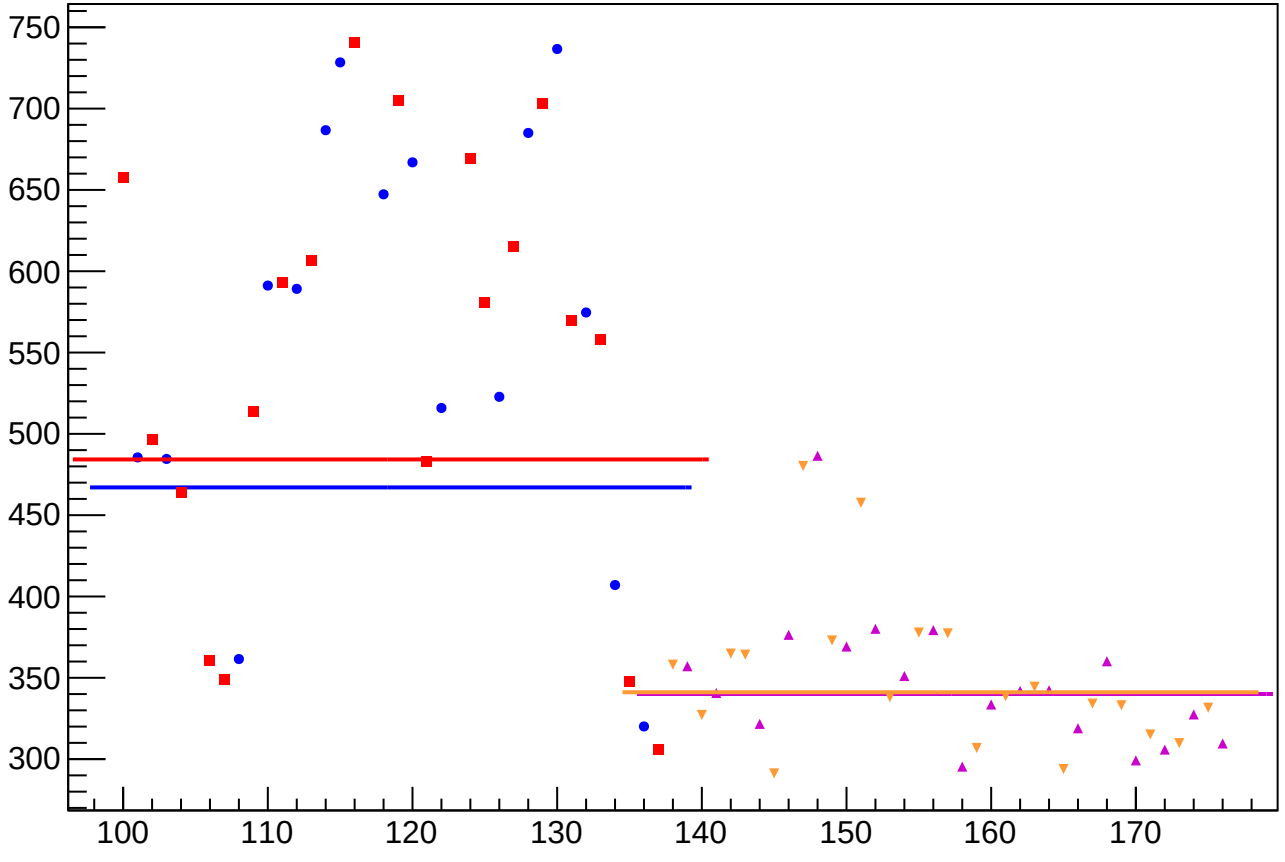
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -37.562+/-78.373 χ^2/NDF:50.4/34

Out: -73.055+/-78.204 χ^2/NDF:43.2/38

All: -55.347+/-55.358 χ^2/NDF: 93.7/73

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: 341.119+/-0.061 χ^2/NDF:434284.1/19

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

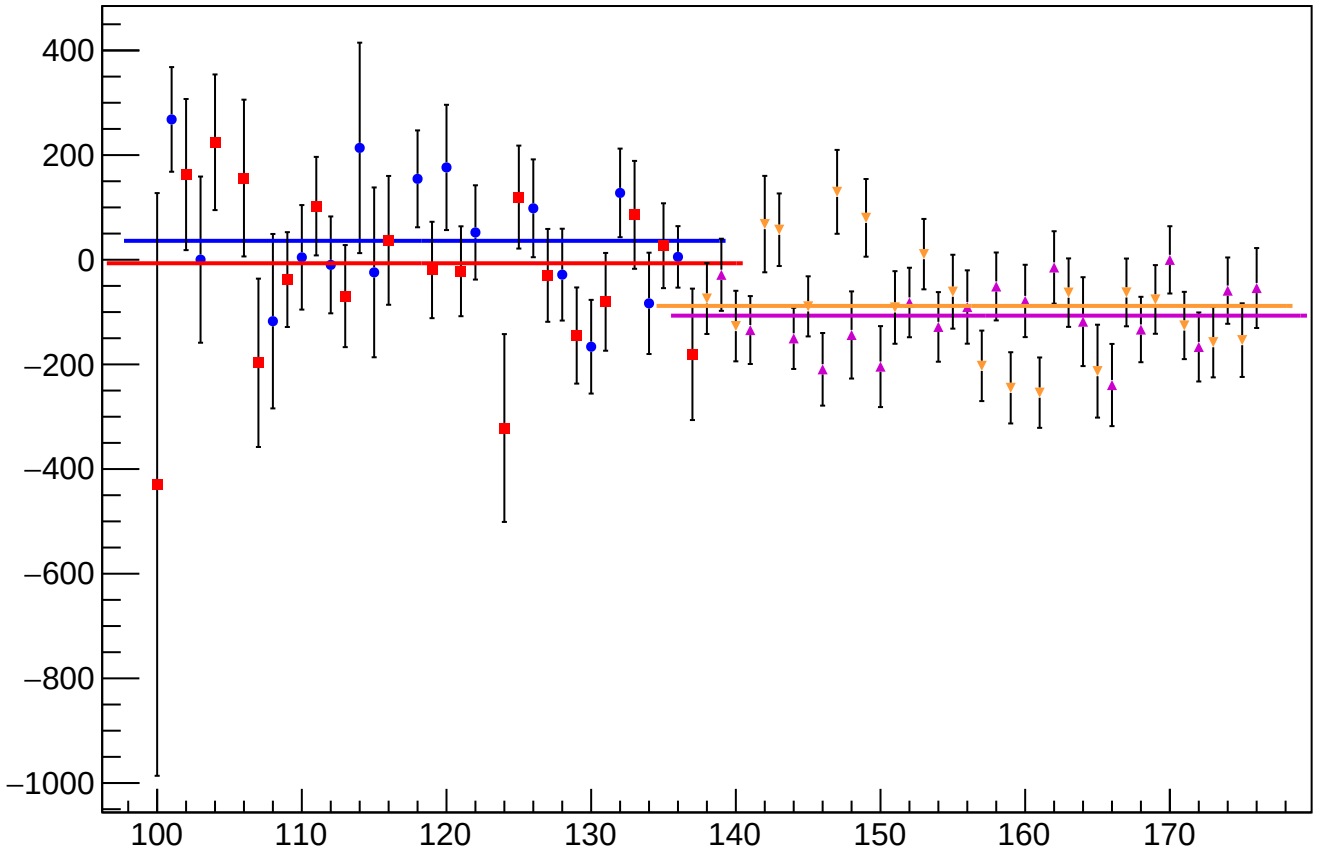
Left: 340.582+/-0.043 χ^2/NDF: 776922.9/38

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 363.961+/-0.055 χ^2/NDF:2175923.6/34

Out: 367.077+/-0.055 χ^2/NDF:2317948.0/38

All: 365.522+/-0.039 χ^2/NDF: 4495456.7/73



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.223+/-15.454 χ^2/NDF:41.3/19

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -106.835+/-15.772 χ^2/NDF:16.6/18

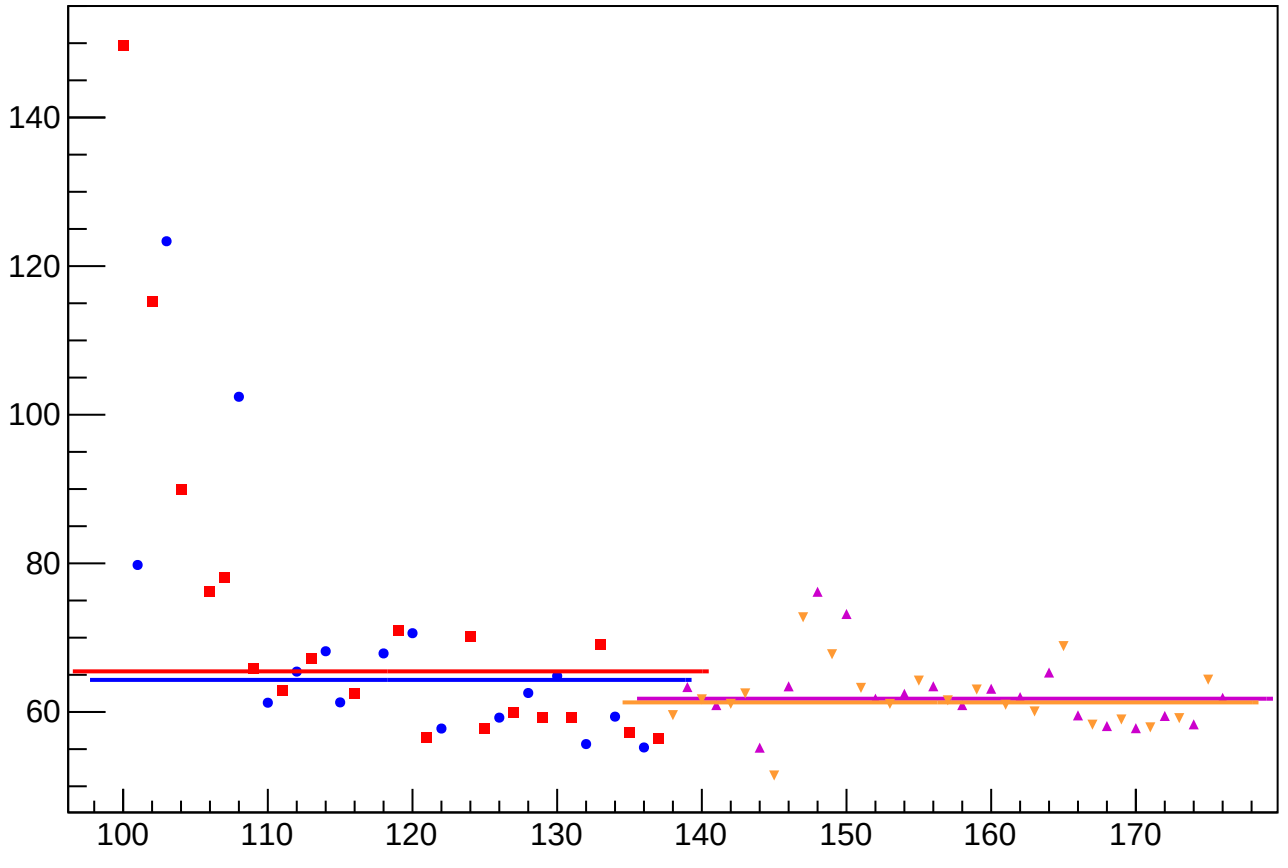
Left: -97.340+/-11.038 χ^2/NDF: 58.7/38

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -64.870+/-13.257 χ^2/NDF:60.4/34

Out: -65.116+/-13.081 χ^2/NDF:69.6/38

All: -64.995+/-9.311 χ^2/NDF: 130.0/73



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.288+/-0.011 χ^2/NDF:156318.8/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 61.785+/-0.011 χ^2/NDF:161556.8/18

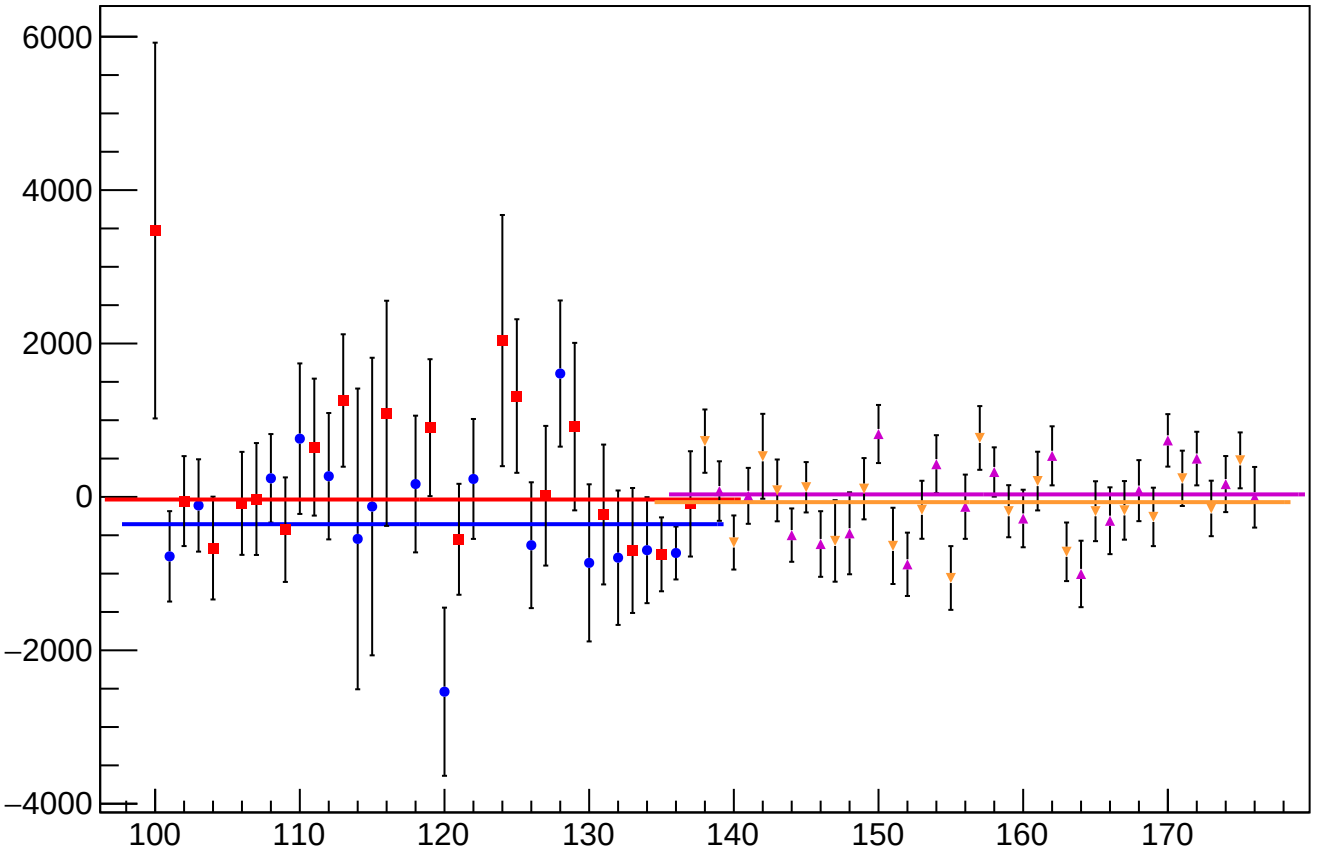
Left: 61.532+/-0.008 χ^2/NDF: 318890.2/38

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.528+/-0.009 χ^2/NDF:708735.7/34

Out: 62.473+/-0.009 χ^2/NDF:680128.6/38

All: 62.500+/-0.007 χ^2/NDF: 1388882.0/73



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 32.893+/-88.382 χ^2/NDF:31.7/18

Left: -18.125+/-62.187 χ^2/NDF: 59.2/38

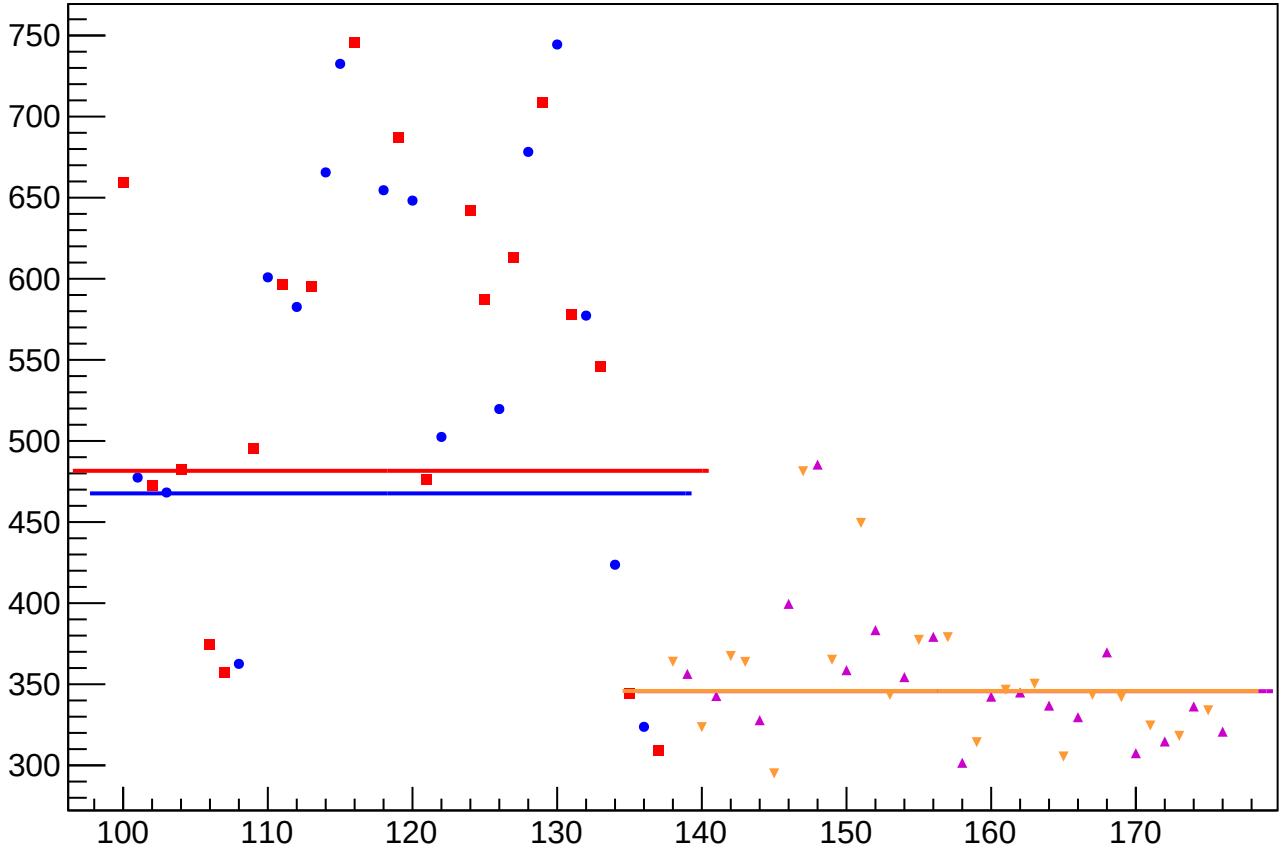
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -42.336+/-79.363 χ^2/NDF:50.3/34

Out: -61.669+/-78.835 χ^2/NDF:42.2/38

All: -52.067+/-55.931 χ^2/NDF: 92.5/73

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: 345.858+/-0.062 χ^2/NDF:372713.4/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 345.722+/-0.062 χ^2/NDF:306989.0/18

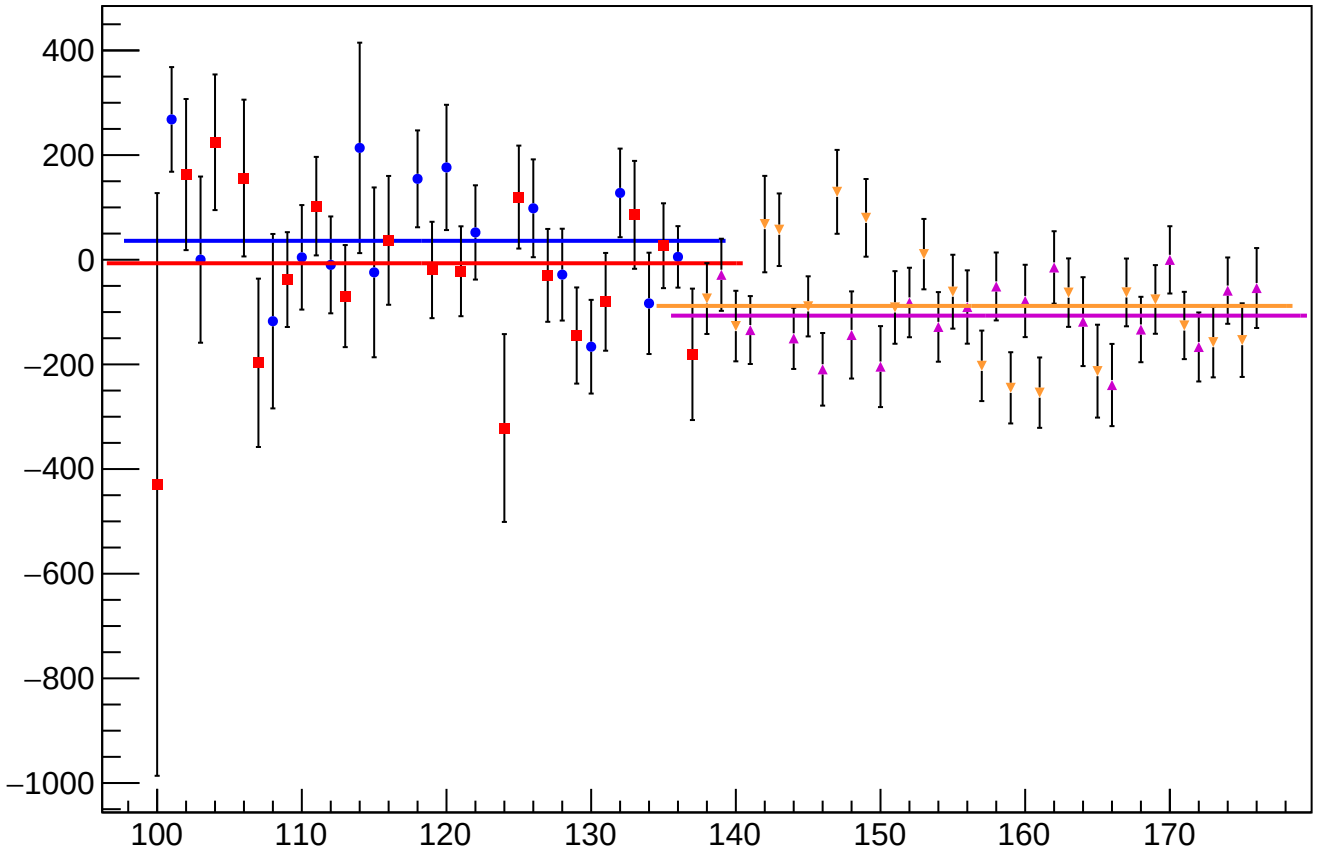
Left: 345.791+/-0.044 χ^2/NDF: 679704.7/38

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 369.341+/-0.056 χ^2/NDF:2030432.7/34

Out: 371.450+/-0.056 χ^2/NDF:2134145.7/38

All: 370.403+/-0.040 χ^2/NDF: 4165289.3/73



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.222+/-15.454 χ^2/NDF:41.3/19

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -106.835+/-15.772 χ^2/NDF:16.6/18

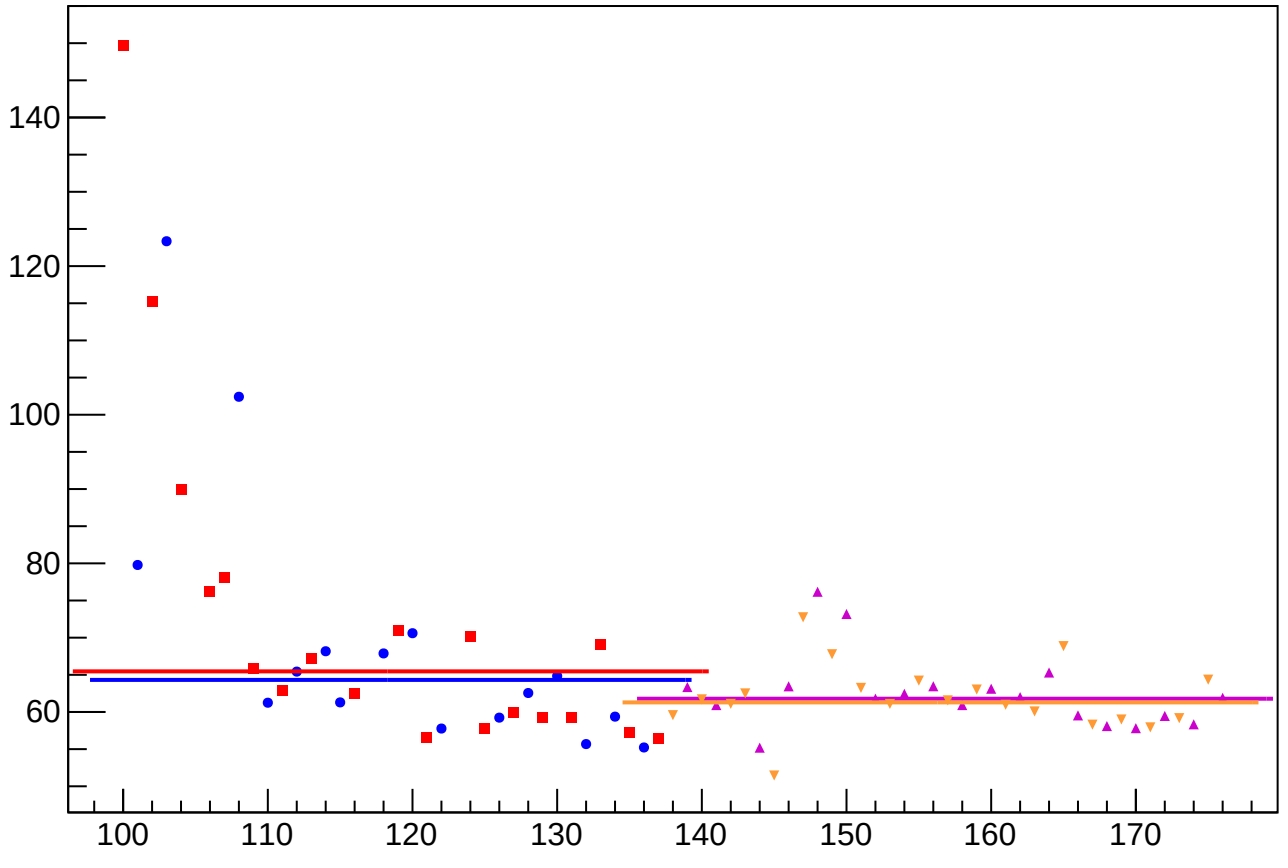
Left: -97.339+/-11.038 χ^2/NDF: 58.7/38

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -64.870+/-13.257 χ^2/NDF:60.4/34

Out: -65.116+/-13.081 χ^2/NDF:69.6/38

All: -64.995+/-9.311 χ^2/NDF: 130.0/73



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.288+/-0.011 χ^2/NDF:156322.9/19

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.785+/-0.011 χ^2/NDF:161559.6/18

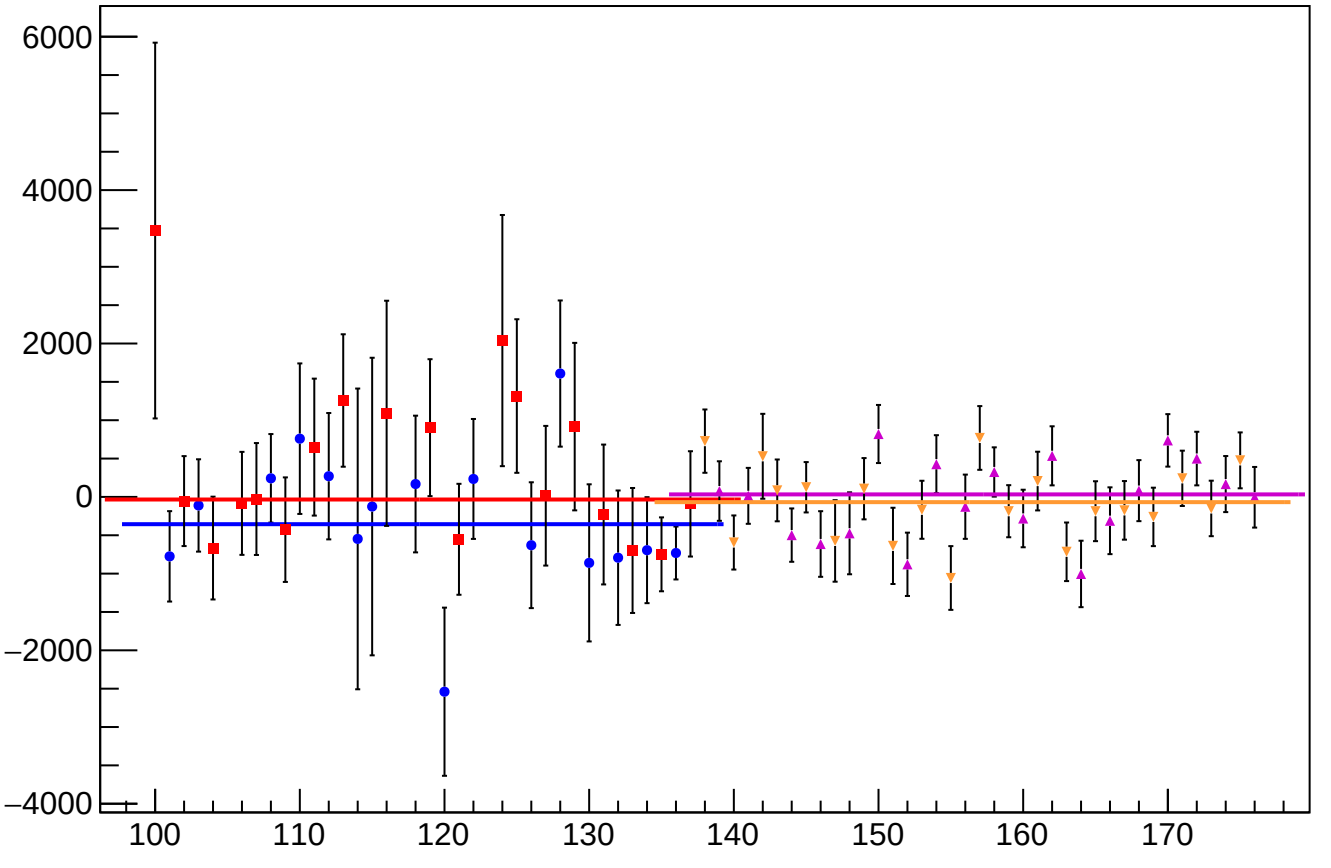
Left: 61.532+/-0.008 χ^2/NDF: 318897.1/38

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.528+/-0.009 χ^2/NDF:708745.3/34

Out: 62.473+/-0.009 χ^2/NDF:680136.1/38

All: 62.500+/-0.007 χ^2/NDF: 1388899.1/73



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -68.148+/-87.516 χ^2/NDF:26.8/19

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 32.892+/-88.382 χ^2/NDF:31.7/18

Left: -18.125+/-62.187 χ^2/NDF: 59.2/38

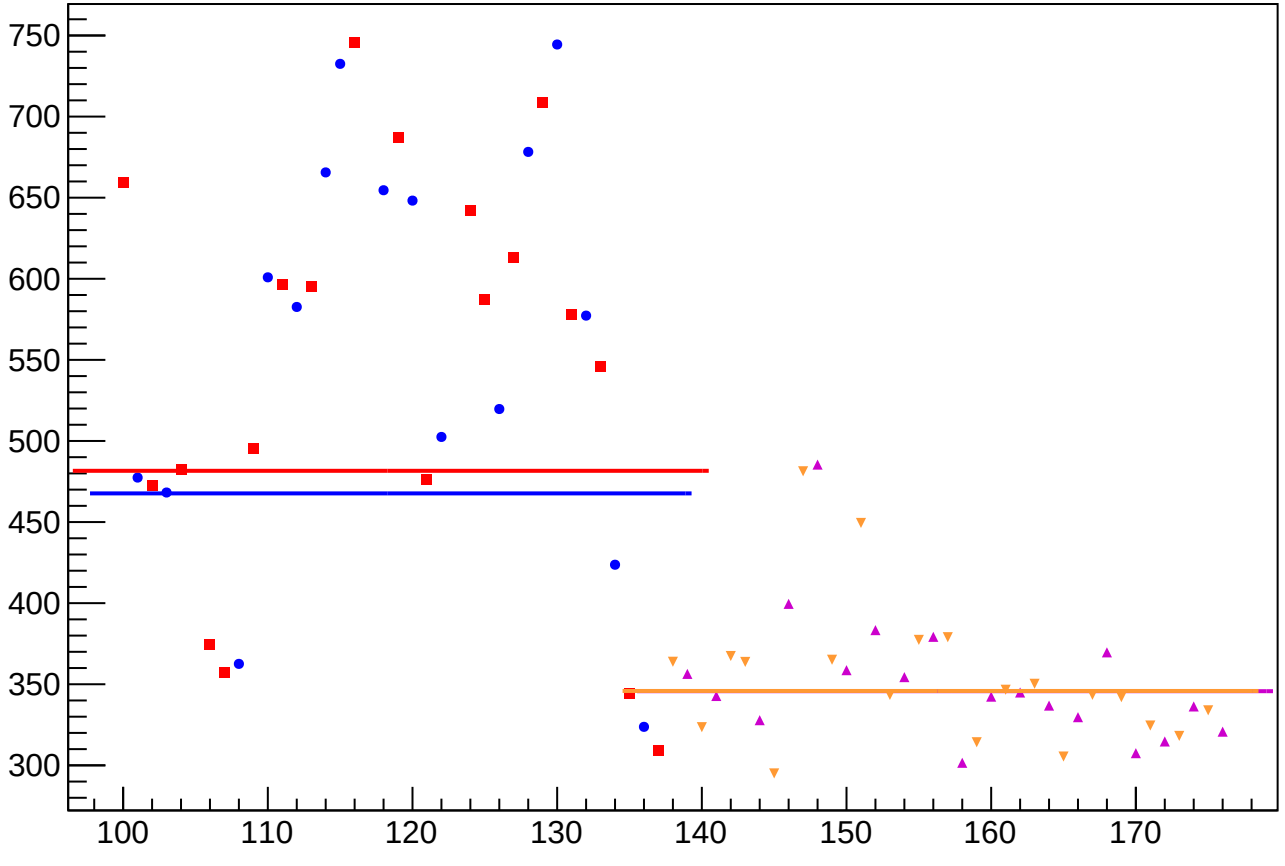
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -42.336+/-79.363 χ^2/NDF:50.3/34

Out: -61.669+/-78.835 χ^2/NDF:42.2/38

All: -52.067+/-55.931 χ^2/NDF: 92.5/73

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: 345.858+/-0.062 χ^2/NDF:372712.6/19

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 345.722+/-0.062 χ^2/NDF:306990.1/18

Left: 345.791+/-0.044 χ^2/NDF: 679705.1/38

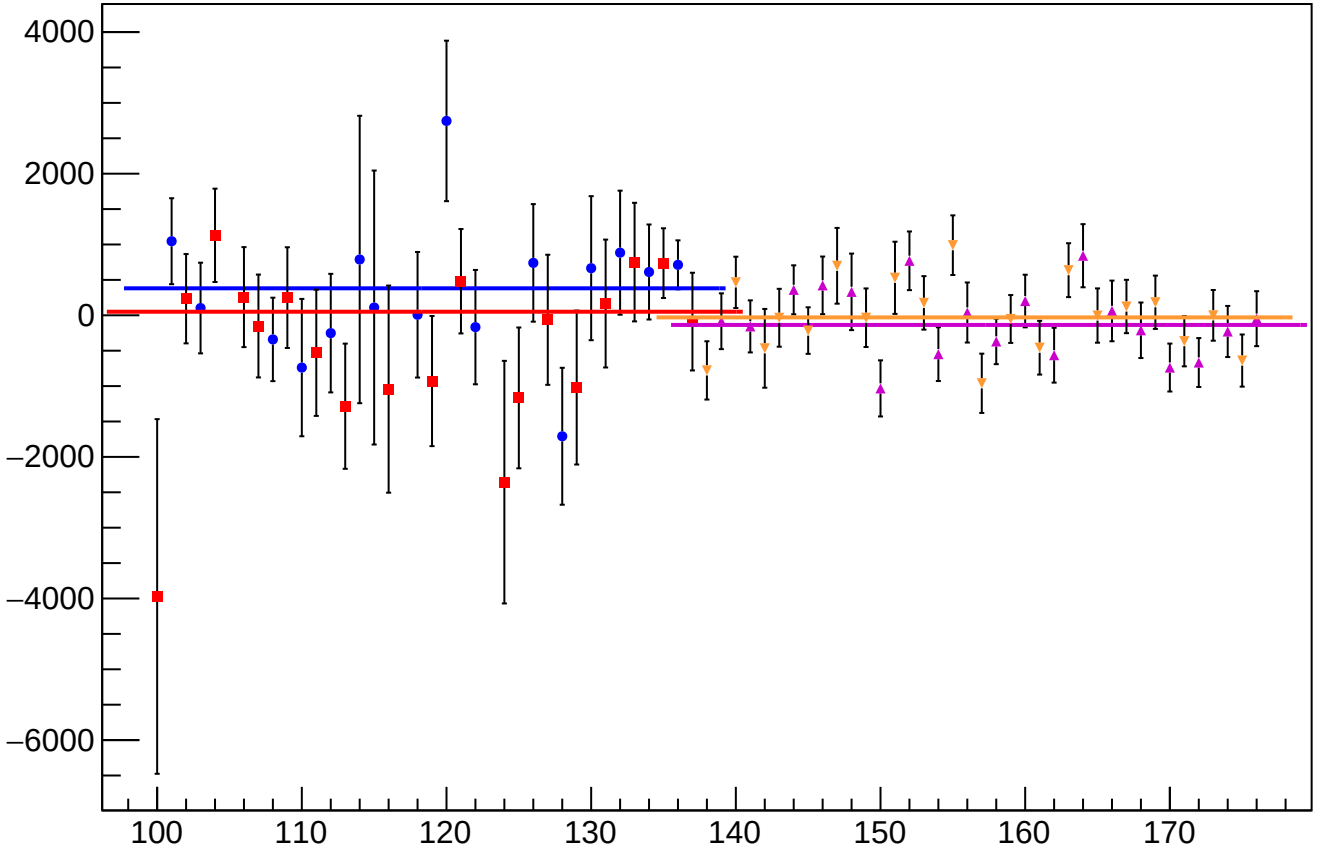
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 369.341+/-0.056 χ^2/NDF:2030428.6/34

Out: 371.450+/-0.056 χ^2/NDF:2134135.2/38

All: 370.403+/-0.040 χ^2/NDF: 4165274.7/73

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -29.624+/-87.672 χ^2/NDF:28.8/19

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -136.291+/-88.267 χ^2/NDF:29.2/18

Left: -82.597+/-62.203 χ^2/NDF: 58.7/38

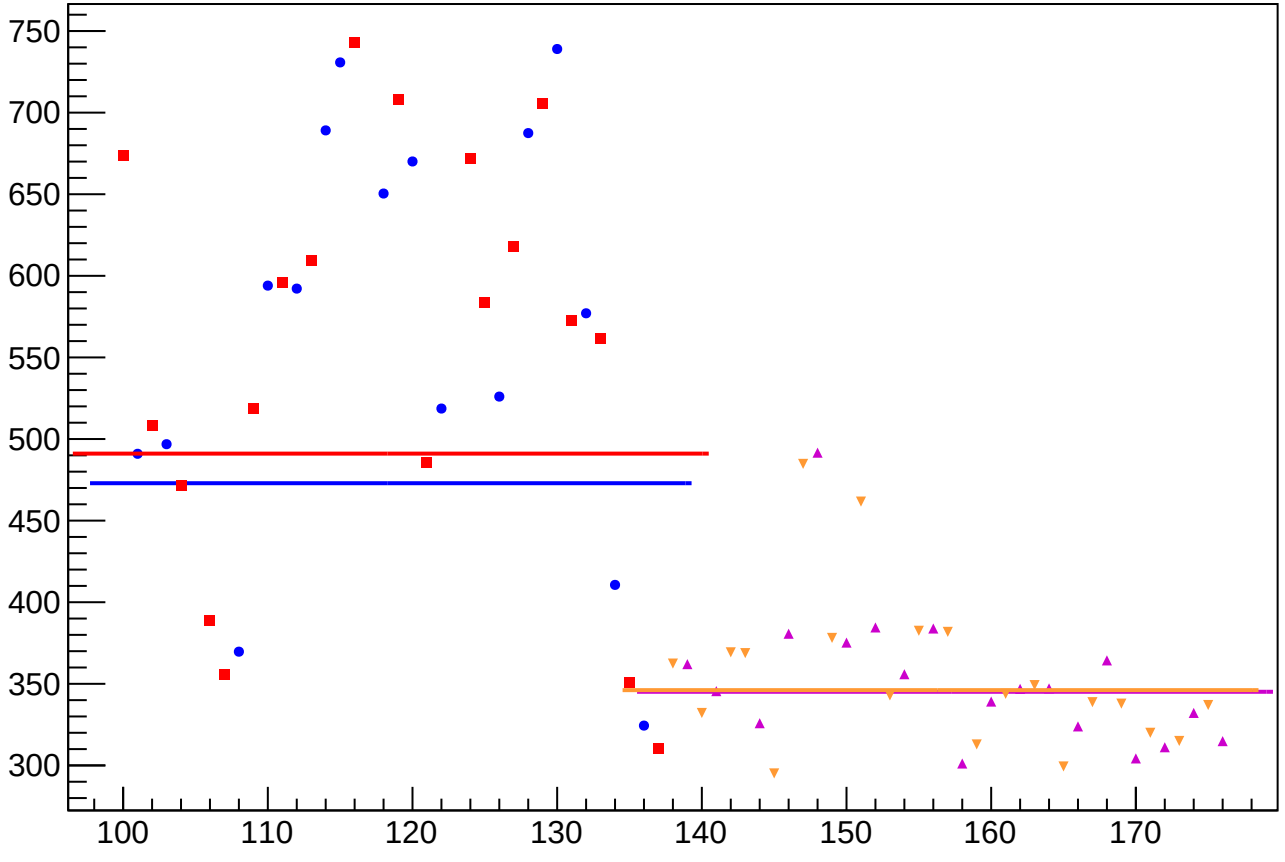
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -38.344+/-79.474 χ^2/NDF:51.9/34

Out: -14.983+/-79.246 χ^2/NDF:46.4/38

All: -26.630+/-56.116 χ^2/NDF: 98.3/73

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.125+/-0.062 χ^2/NDF:420759.2/19

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.124+/-0.062 χ^2/NDF:331144.1/18

Left: 345.628+/-0.044 χ^2/NDF: 752032.8/38

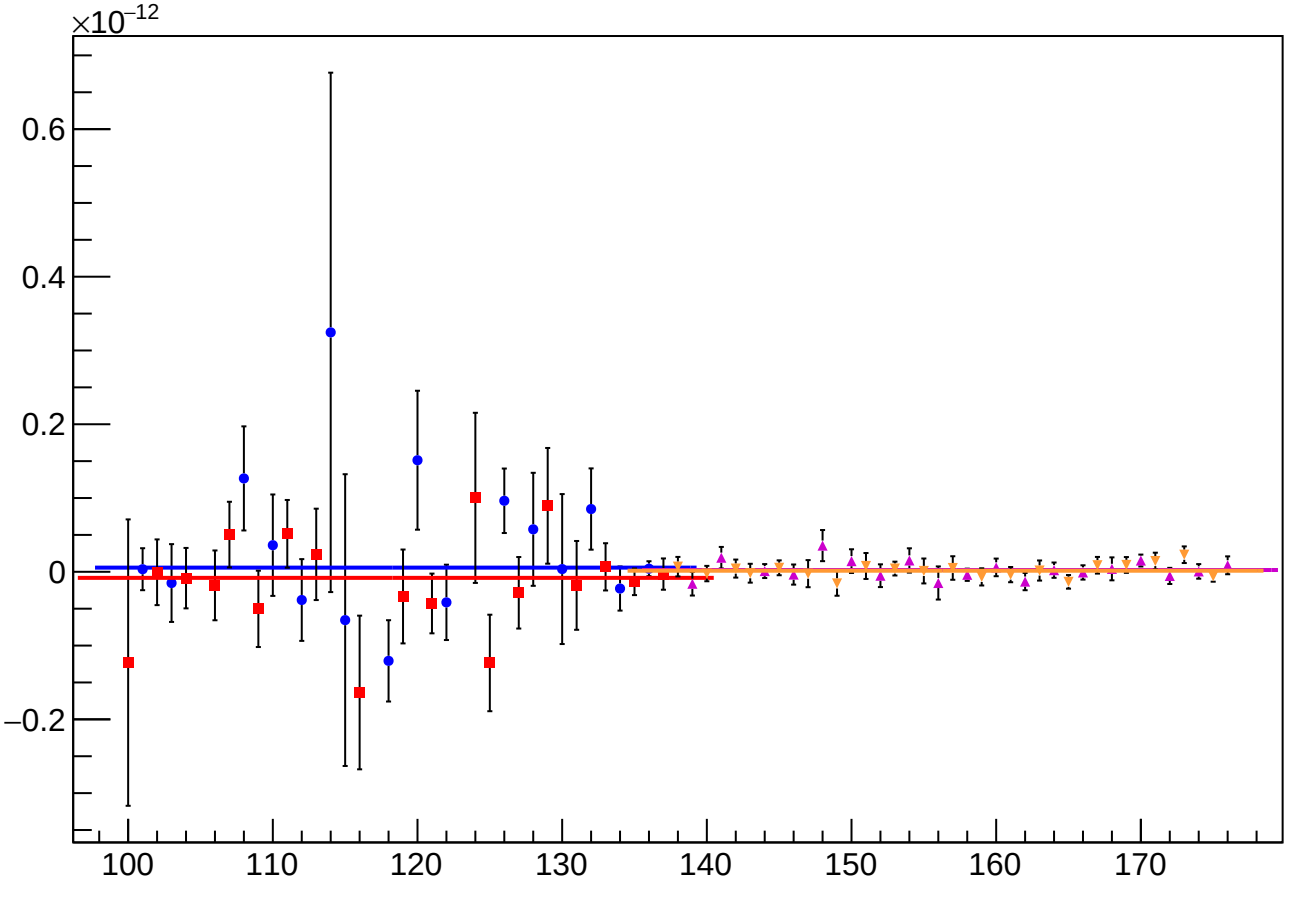
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 369.318+/-0.056 χ^2/NDF:2125169.0/34

Out: 372.645+/-0.056 χ^2/NDF:2268388.0/38

All: 370.986+/-0.040 χ^2/NDF: 4395313.9/73

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

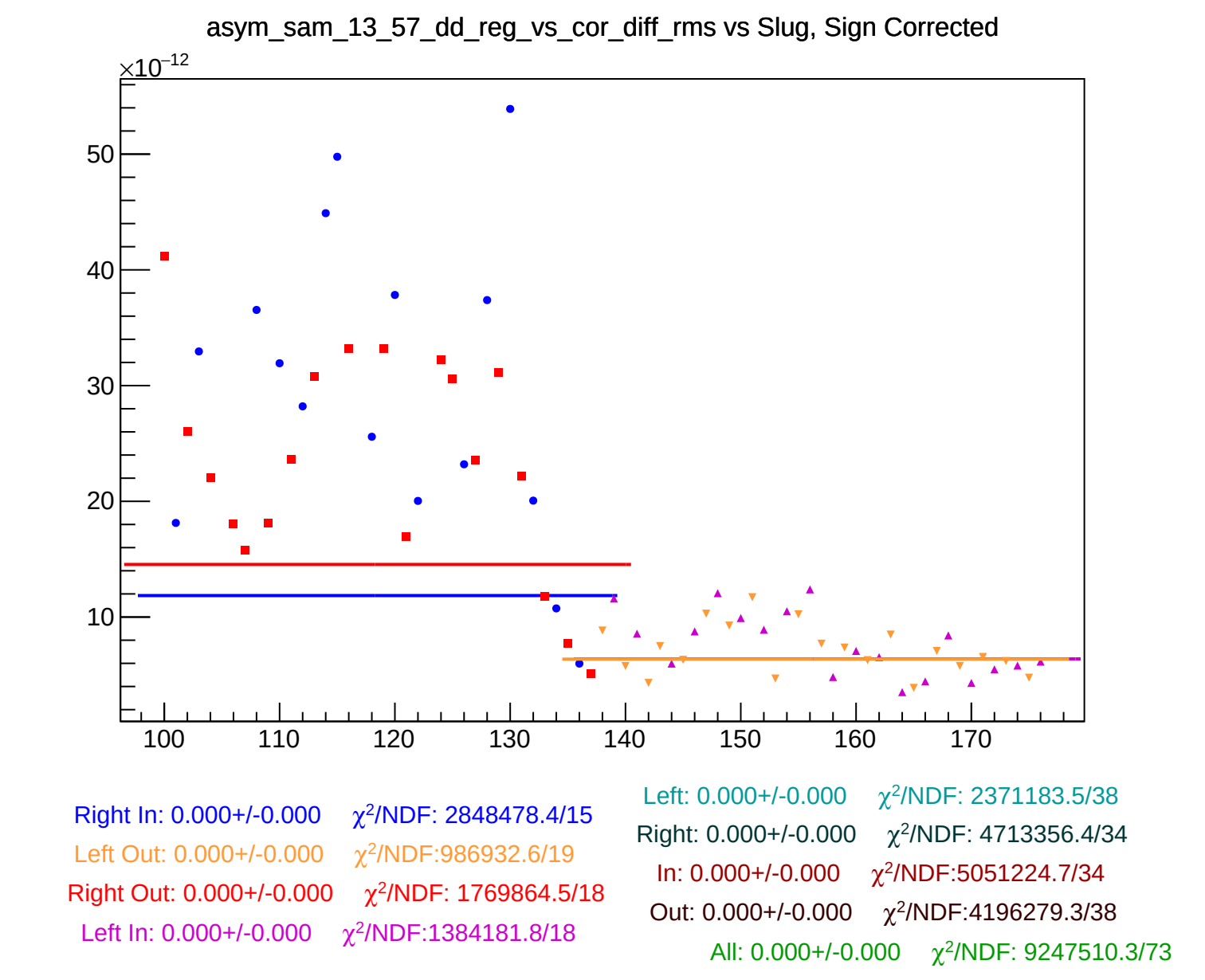
Left: 0.000+/-0.000 χ^2/NDF: 25.9/38

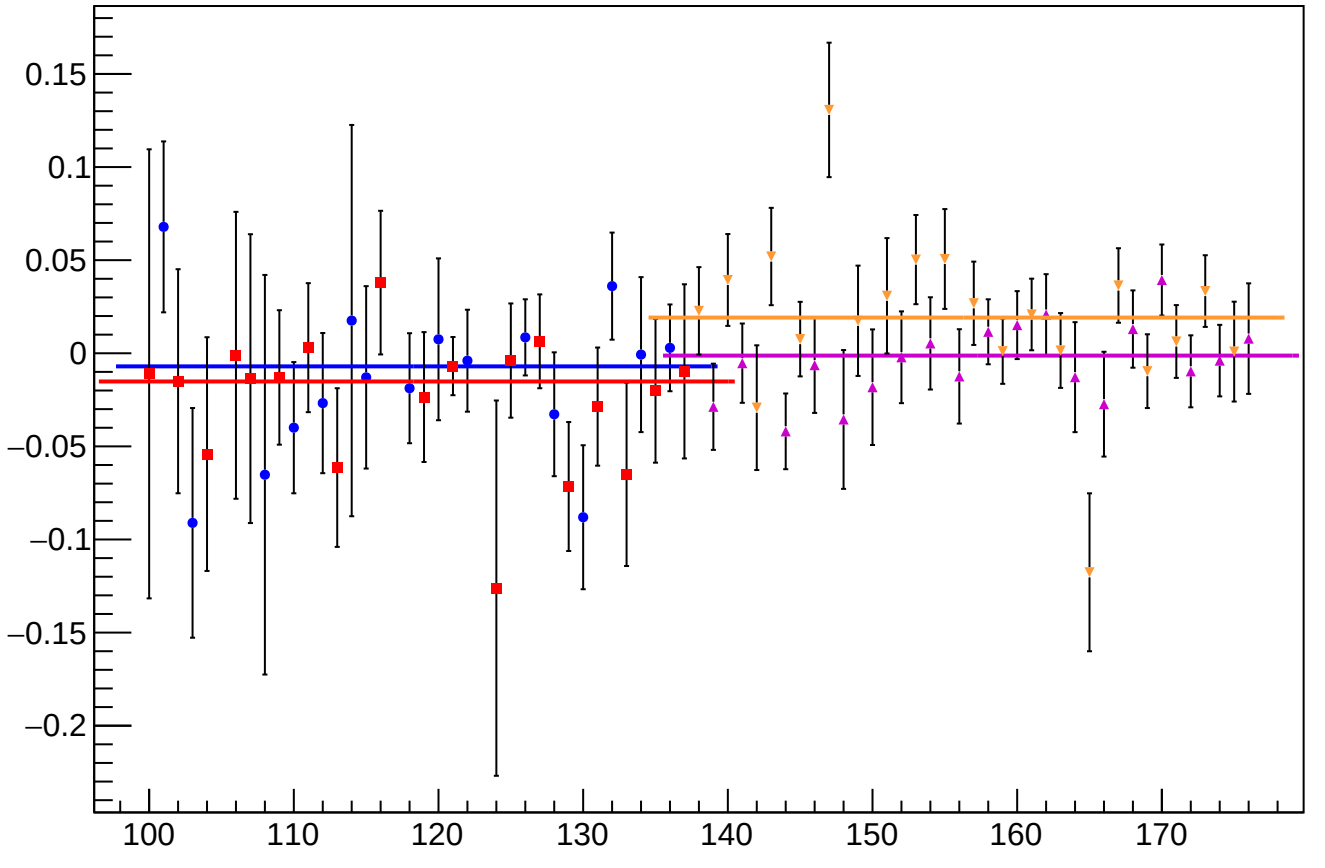
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:27.5/38

All: 0.000+/-0.000 χ^2/NDF: 62.5/73


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:986932.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1384181.8/18
Left: 0.000+/-0.000 χ²/NDF: 2371183.5/38
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5051224.7/34
Out: 0.000+/-0.000 χ²/NDF:4196279.3/38
All: 0.000+/-0.000 χ²/NDF: 9247510.3/73



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

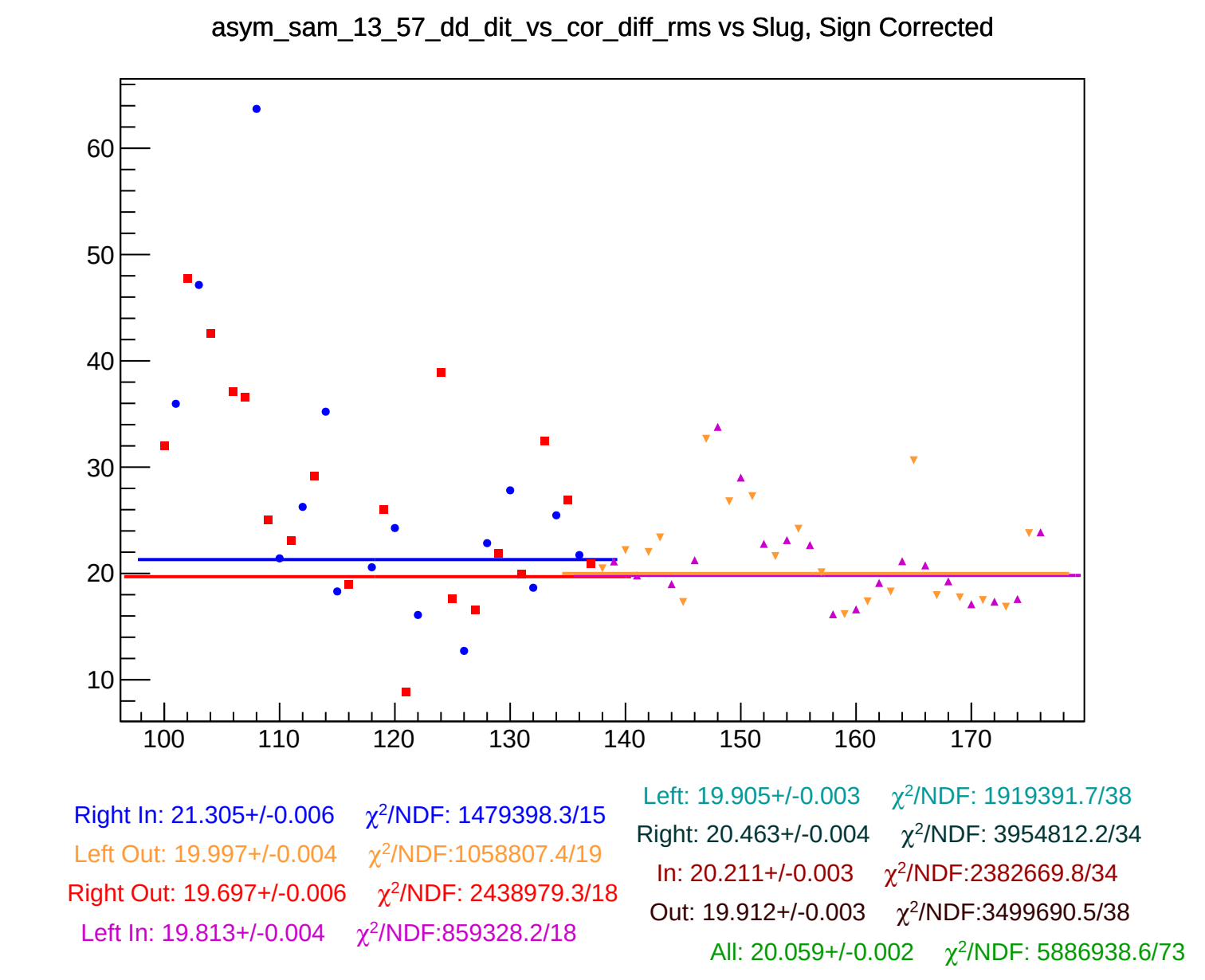
Left: 0.009+/-0.004 χ^2/NDF: 57.4/38

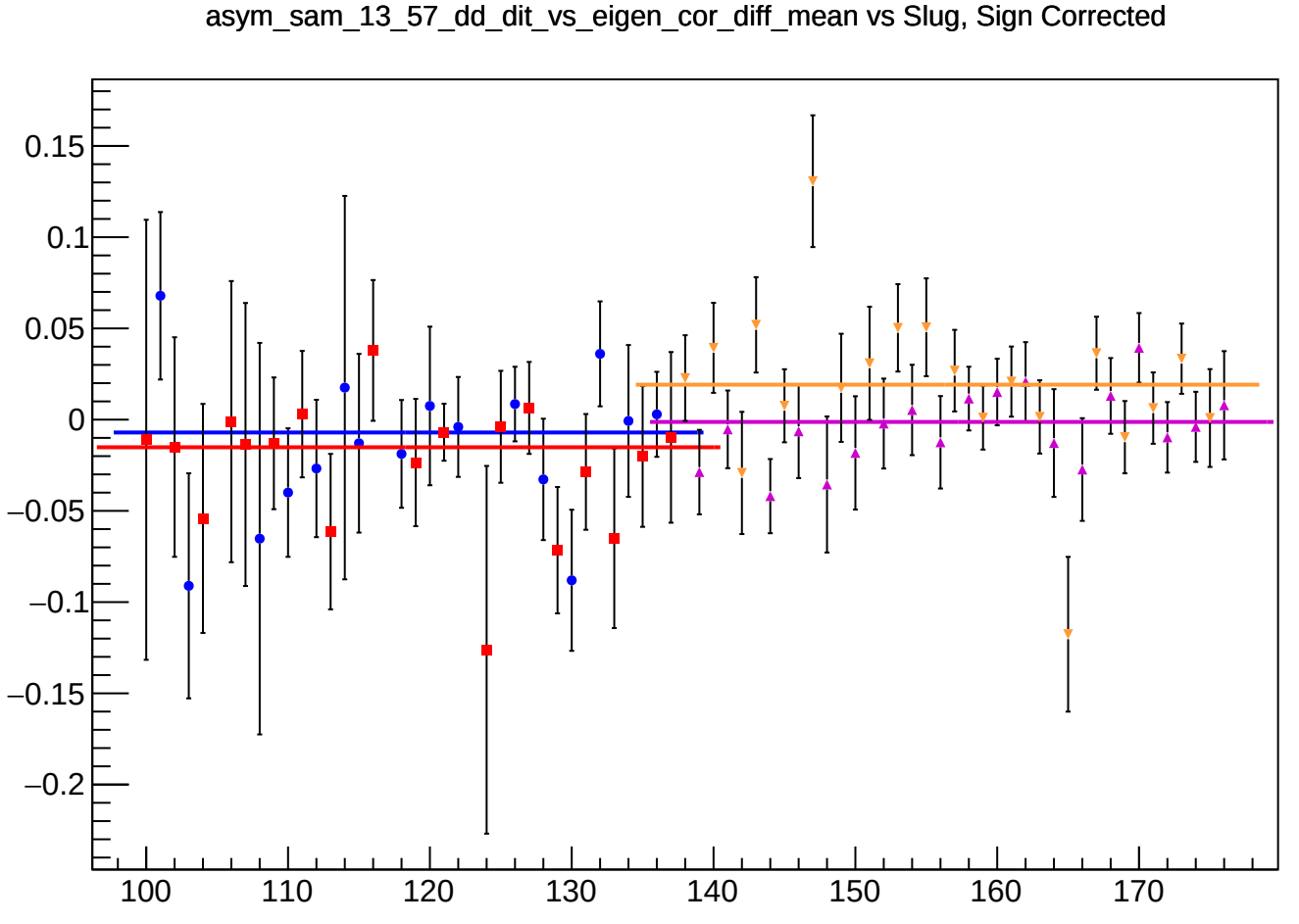
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/73


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 21.305+/-0.006 χ2/NDF: 1479398.3/15
Left Out: 19.997+/-0.004 χ2/NDF:1058807.4/19
Right Out: 19.697+/-0.006 χ2/NDF: 2438979.3/18
Left In: 19.813+/-0.004 χ2/NDF:859328.2/18
Left: 19.905+/-0.003 χ2/NDF: 1919391.7/38
Right: 20.463+/-0.004 χ2/NDF: 3954812.2/34
In: 20.211+/-0.003 χ2/NDF:2382669.8/34
Out: 19.912+/-0.003 χ2/NDF:3499690.5/38
All: 20.059+/-0.002 χ2/NDF: 5886938.6/73



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

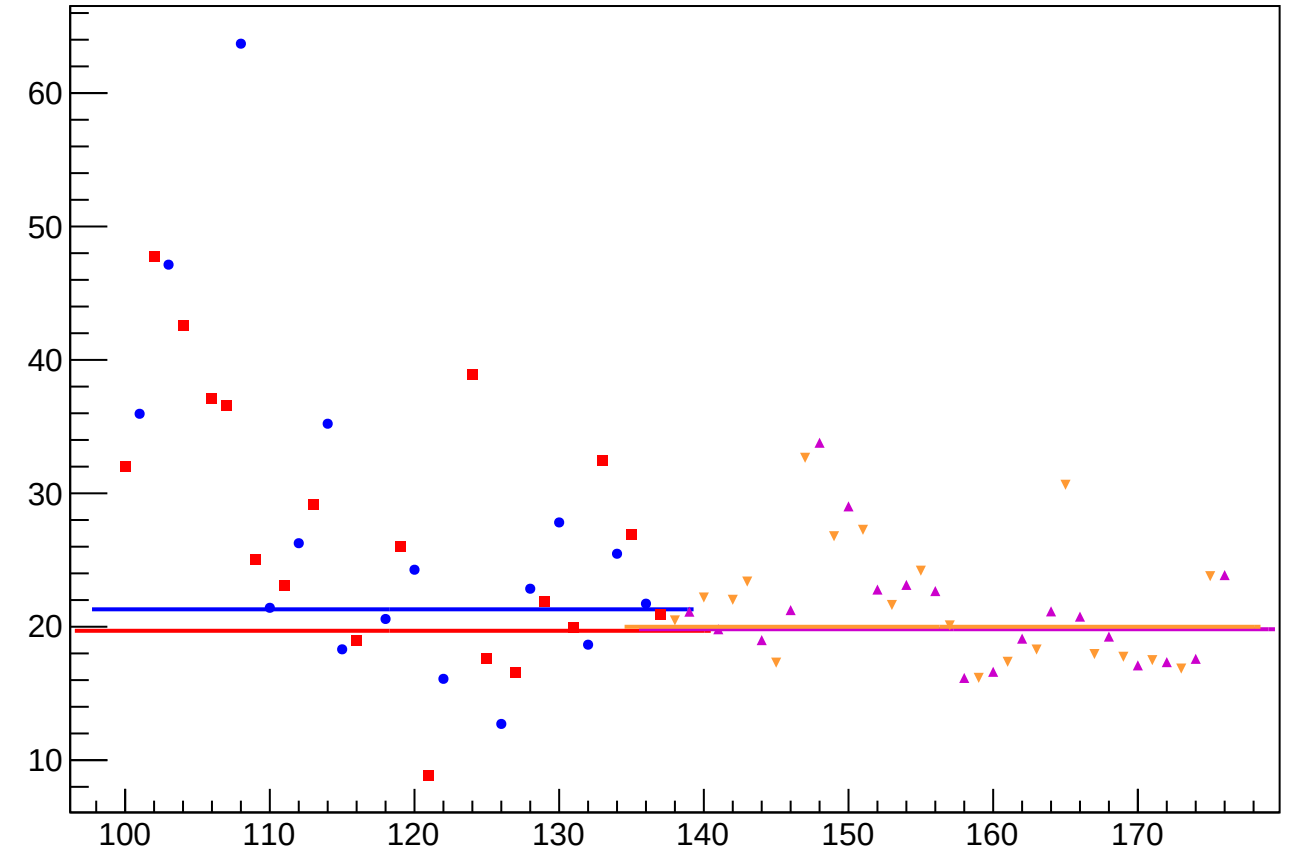
Left: 0.009+/-0.004 χ^2/NDF: 57.4/38

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/73



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.997+/-0.004 χ^2/NDF:1058807.4/19

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

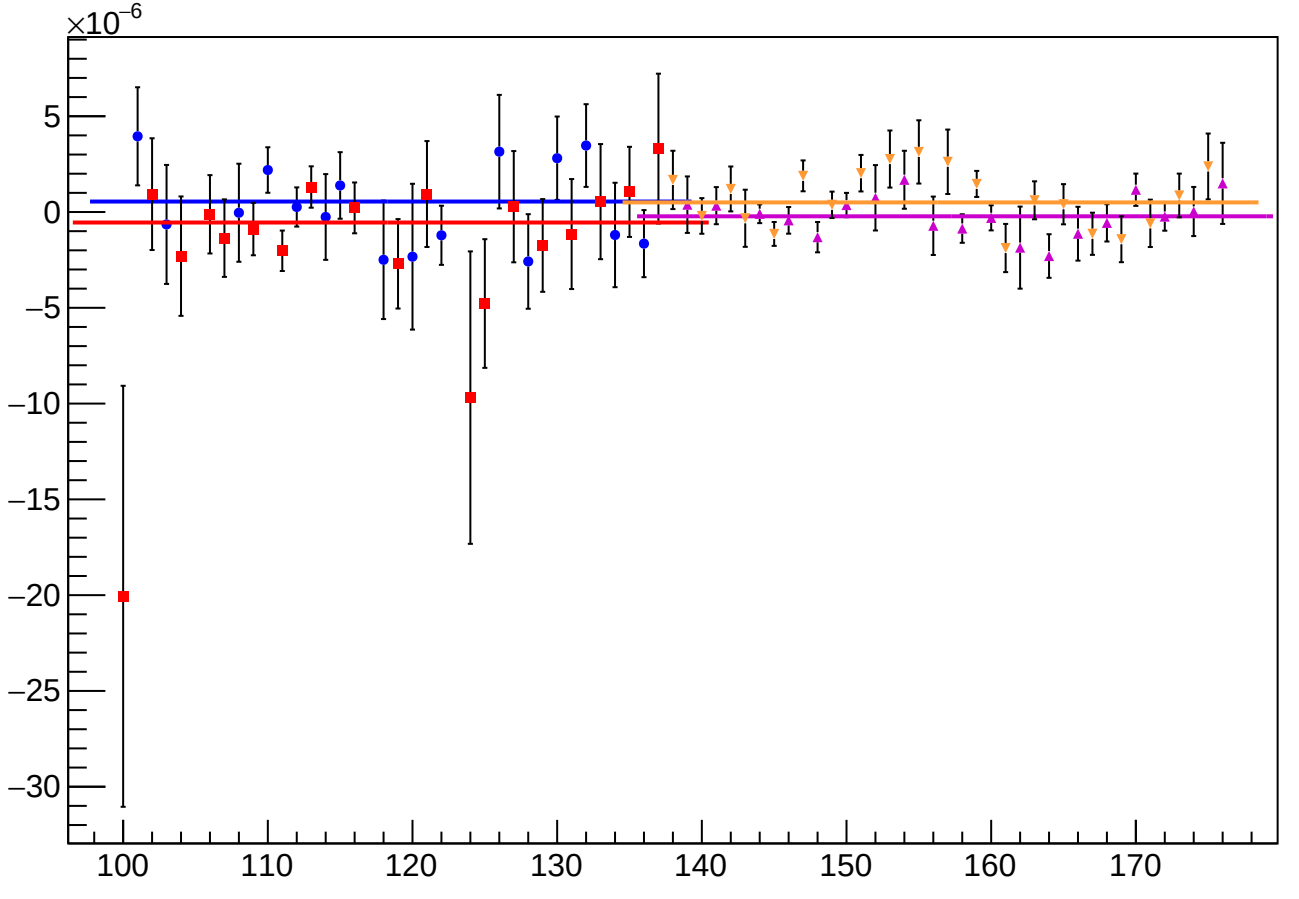
Left: 19.905+/-0.003 χ^2/NDF: 1919391.7/38

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.211+/-0.003 χ^2/NDF:2382669.8/34

Out: 19.912+/-0.003 χ^2/NDF:3499690.5/38

All: 20.059+/-0.002 χ^2/NDF: 5886938.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

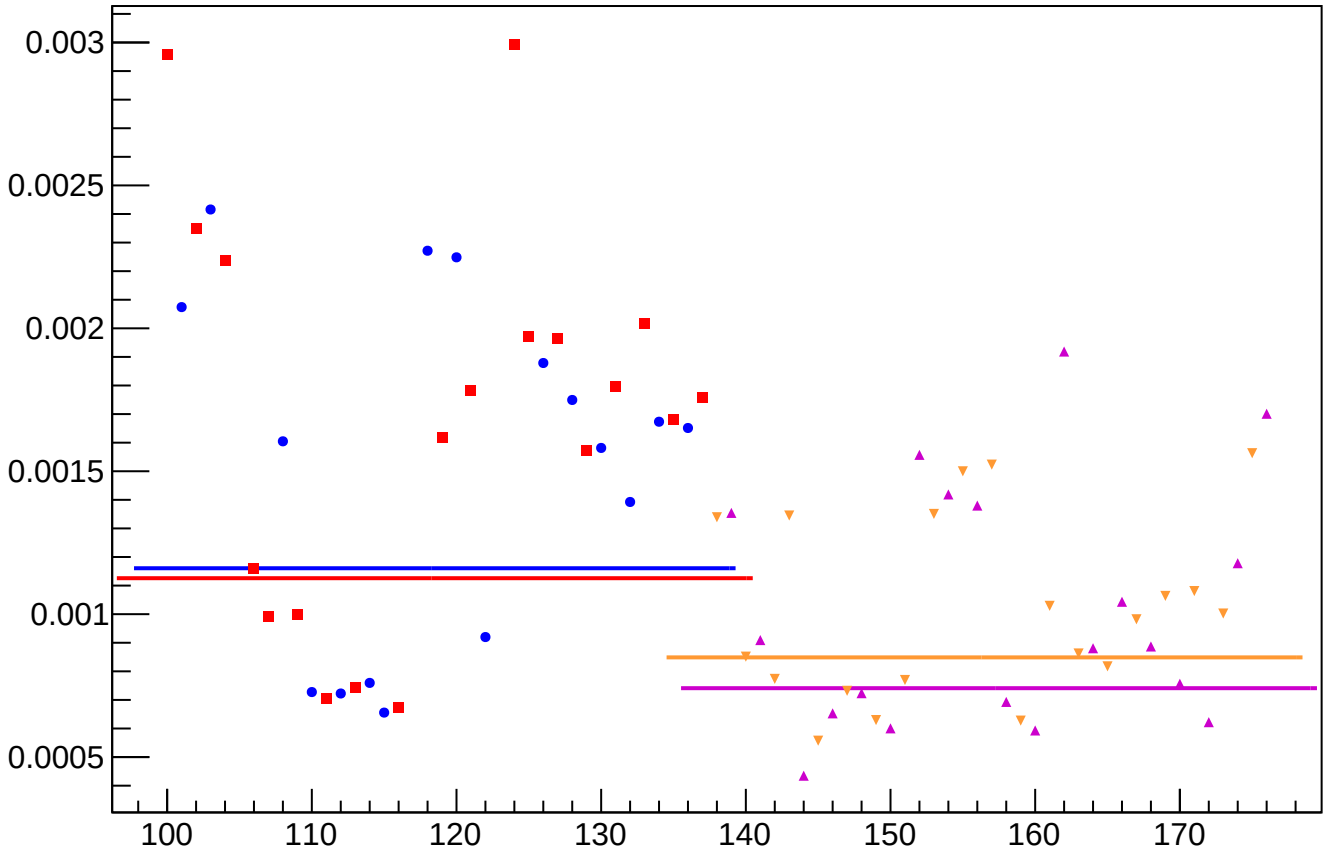
Left: 0.000+/-0.000 χ^2/NDF: 52.9/38

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.7/34

Out: 0.000+/-0.000 χ^2/NDF:52.8/38

All: 0.000+/-0.000 χ^2/NDF: 85.5/73



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2793190.2/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:4109523.1/18

Left: 0.001+/-0.000 χ^2/NDF: 7149933.5/38

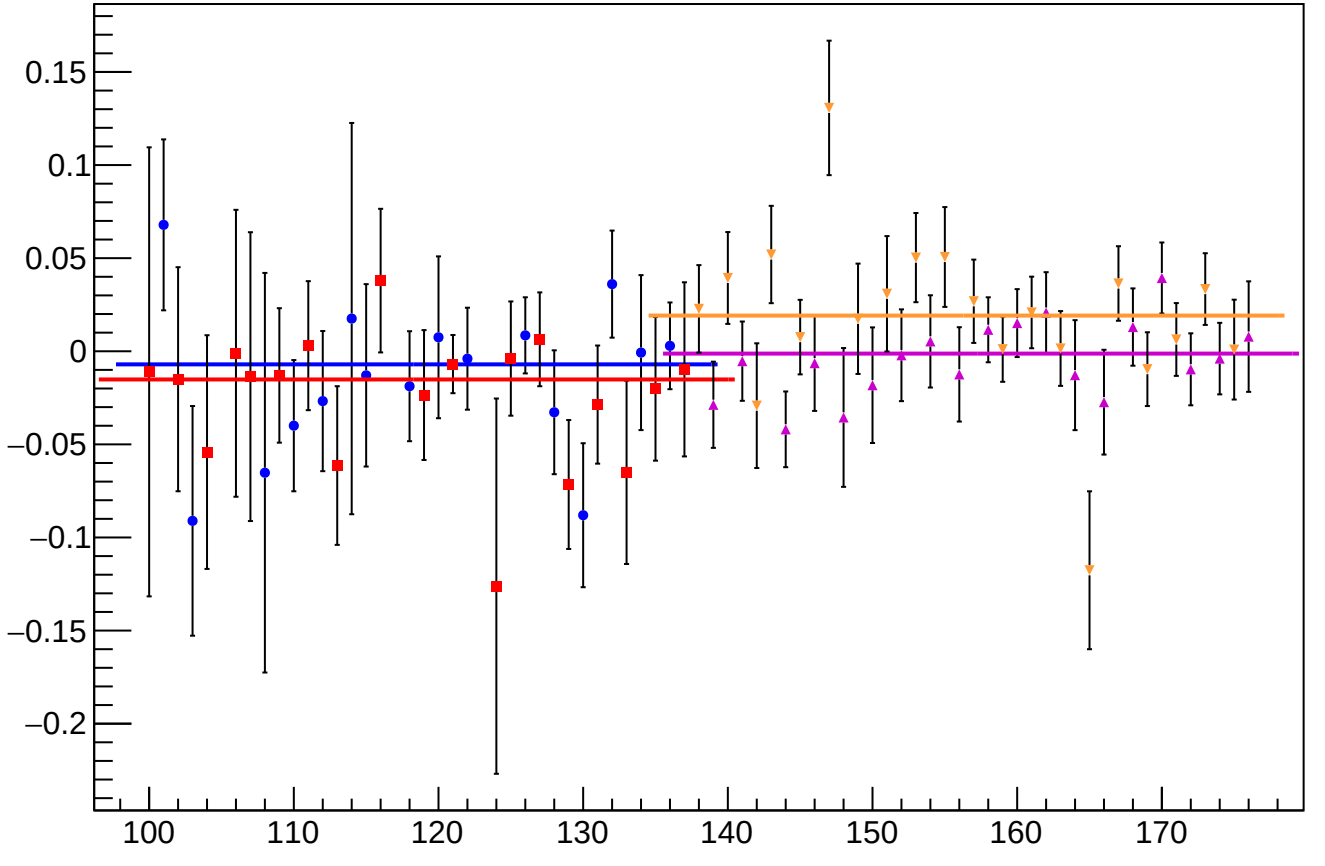
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7942684.9/34

Out: 0.001+/-0.000 χ^2/NDF:6002597.4/38

All: 0.001+/-0.000 χ^2/NDF: 14192622.9/73

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:34.1/19

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

Left: 0.009+/-0.004 χ^2/NDF: 57.4/38

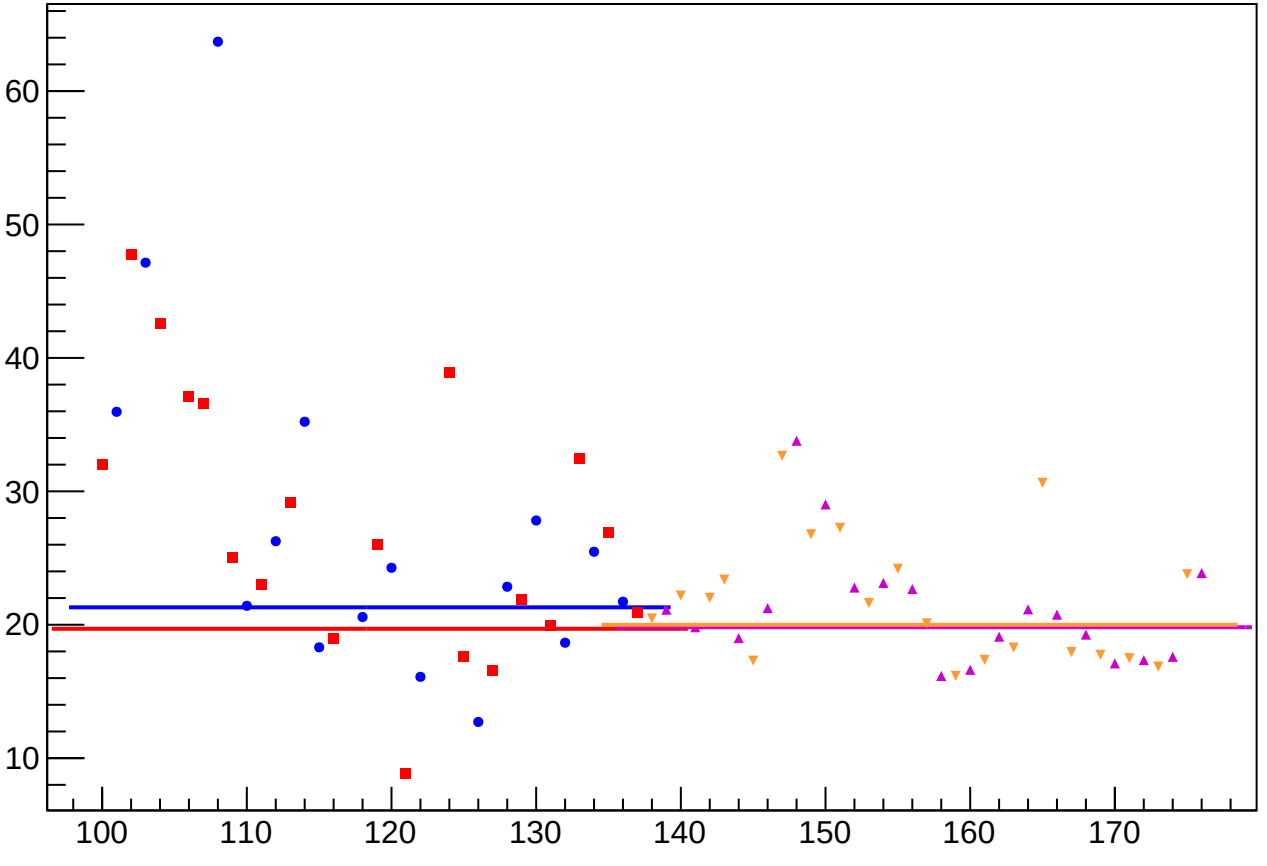
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:56.6/38

All: 0.003+/-0.003 χ^2/NDF: 90.7/73

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: 19.997+/-0.004 χ^2/NDF:1058927.5/19

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

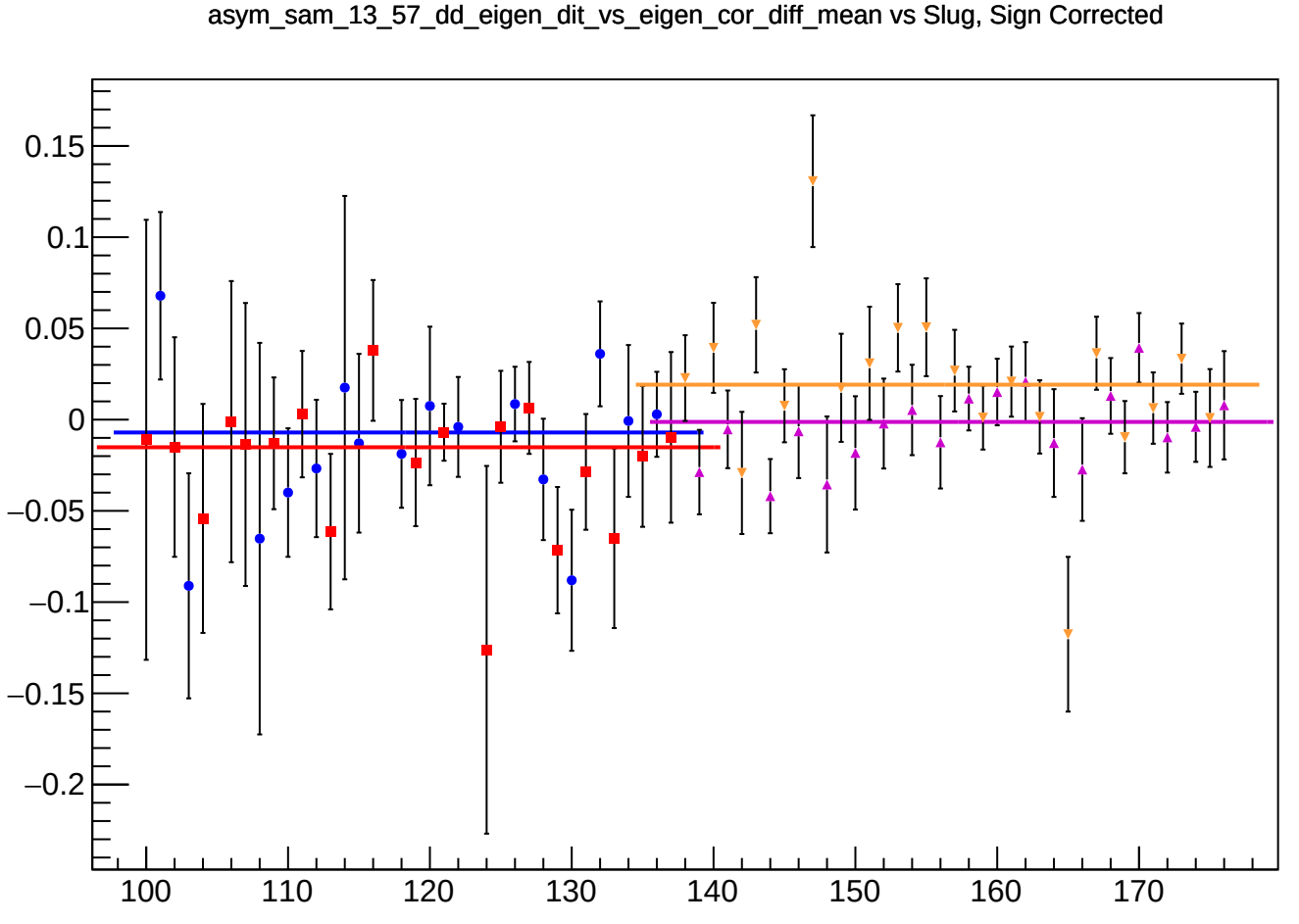
Left: 19.905+/-0.003 χ^2/NDF: 1919561.6/38

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

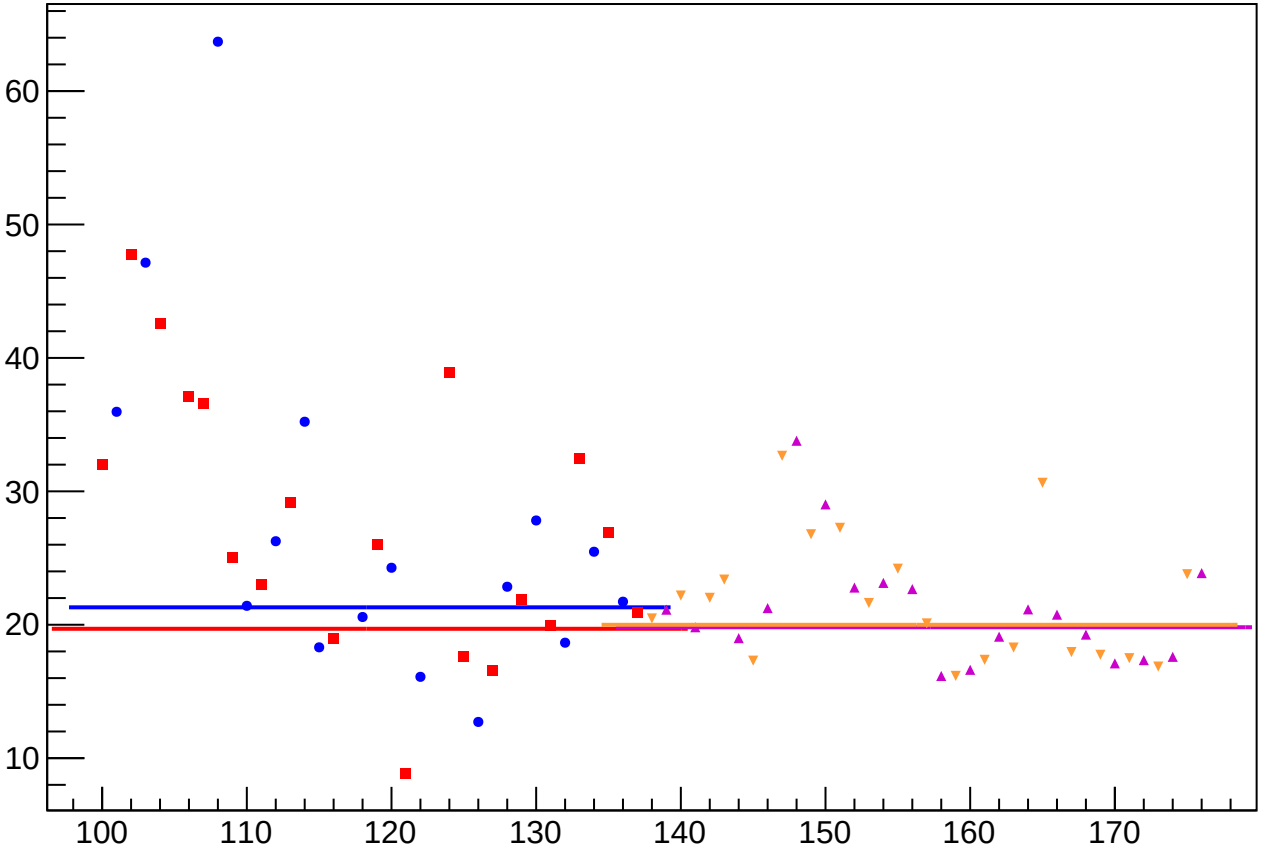
In: 20.211+/-0.003 χ^2/NDF:2382568.2/34

Out: 19.912+/-0.003 χ^2/NDF:3499435.2/38

All: 20.059+/-0.002 χ^2/NDF: 5886579.3/73


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: 0.019+/-0.005 χ²/NDF:34.1/19
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:15.6/18
Left: 0.009+/-0.004 χ²/NDF: 57.4/38
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.3/34
Out: 0.009+/-0.004 χ²/NDF:56.6/38
All: 0.003+/-0.003 χ²/NDF: 90.7/73

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: 19.997+/-0.004 χ^2/NDF:1058927.5/19

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

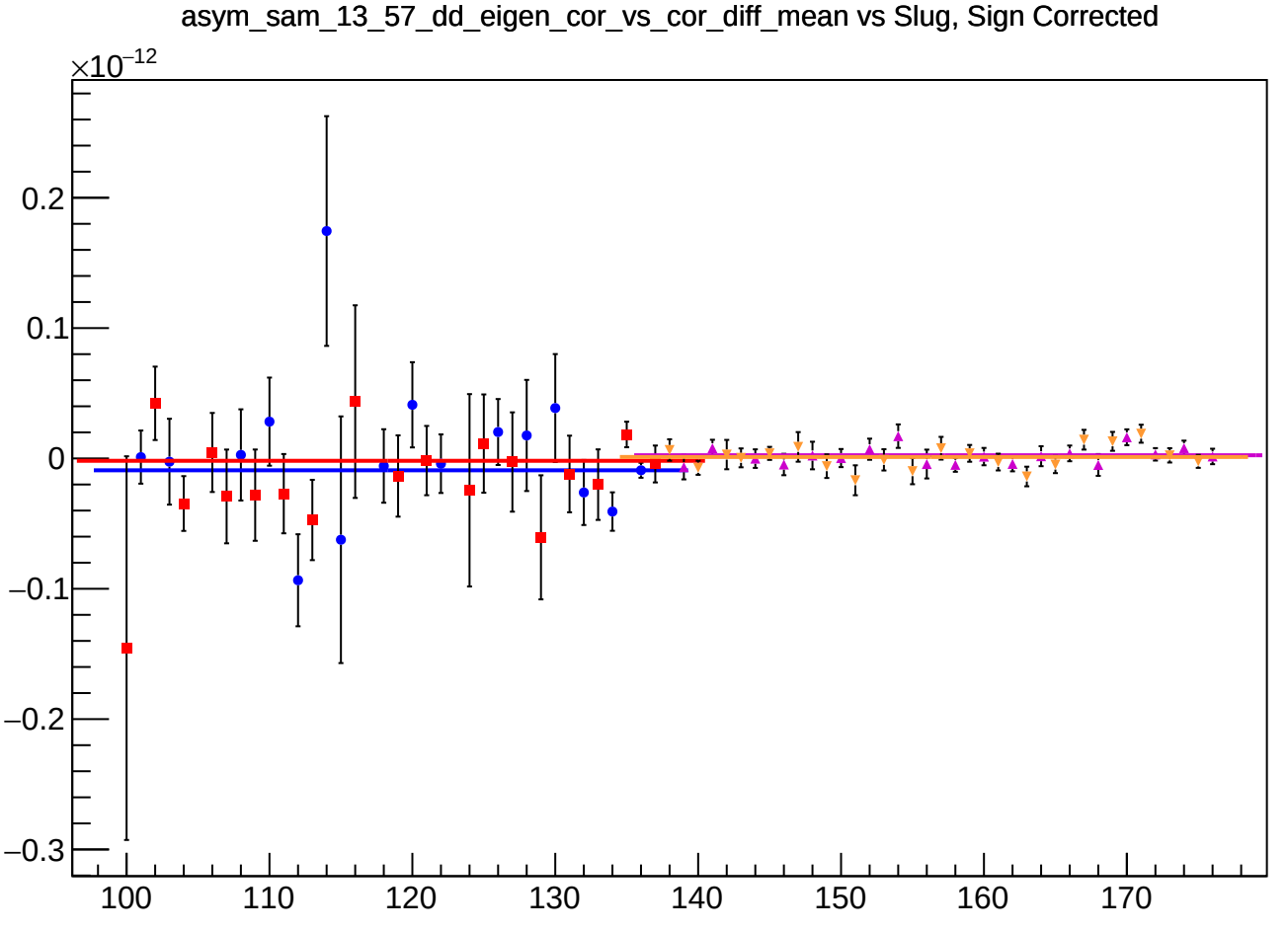
Left: 19.905+/-0.003 χ^2/NDF: 1919561.6/38

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.211+/-0.003 χ^2/NDF:2382568.2/34

Out: 19.912+/-0.003 χ^2/NDF:3499435.2/38

All: 20.059+/-0.002 χ^2/NDF: 5886579.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

Left: 0.000+/-0.000 χ^2/NDF: 43.3/38

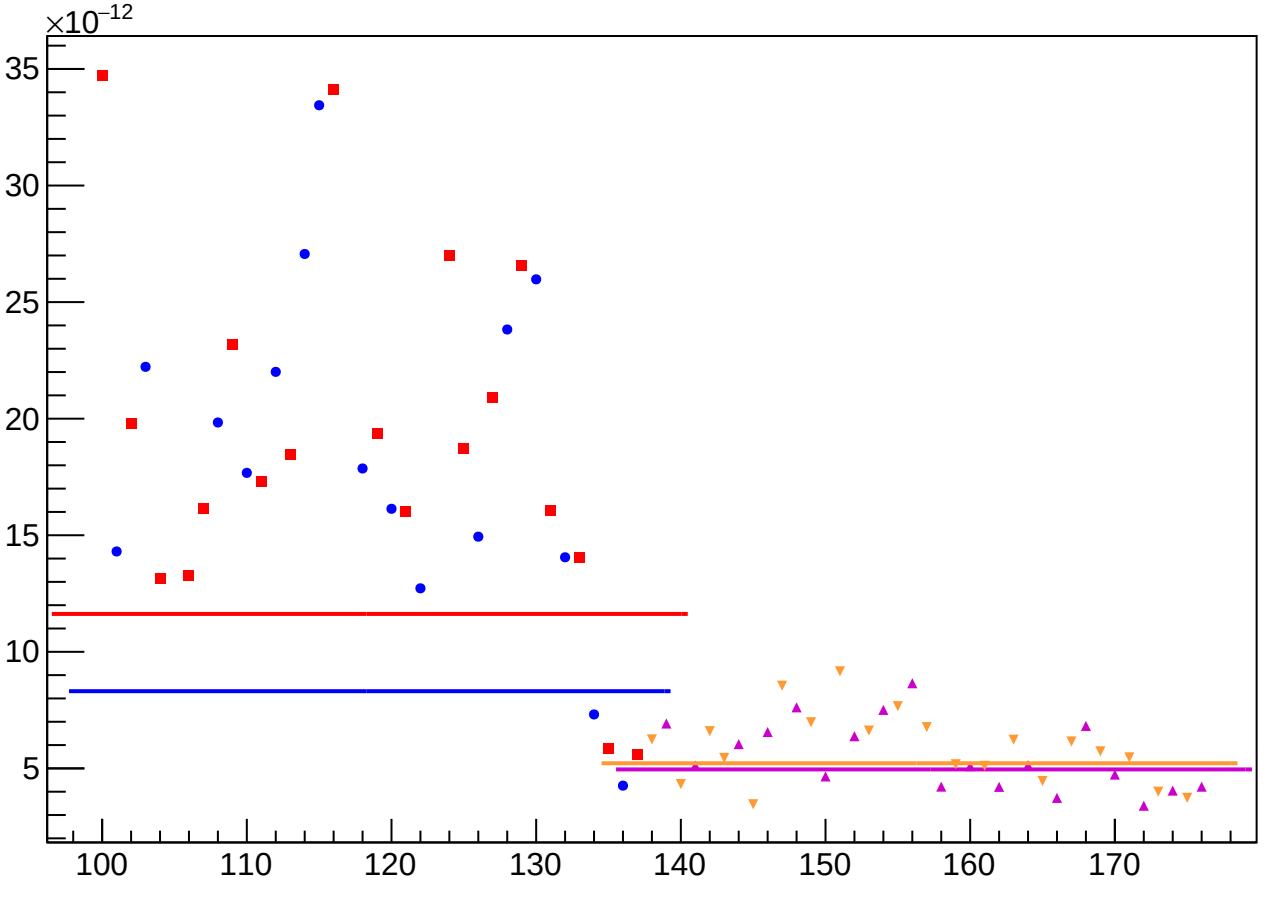
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/34

Out: 0.000+/-0.000 χ^2/NDF:44.0/38

All: 0.000+/-0.000 χ^2/NDF: 88.7/73

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471006.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1340497.5/18

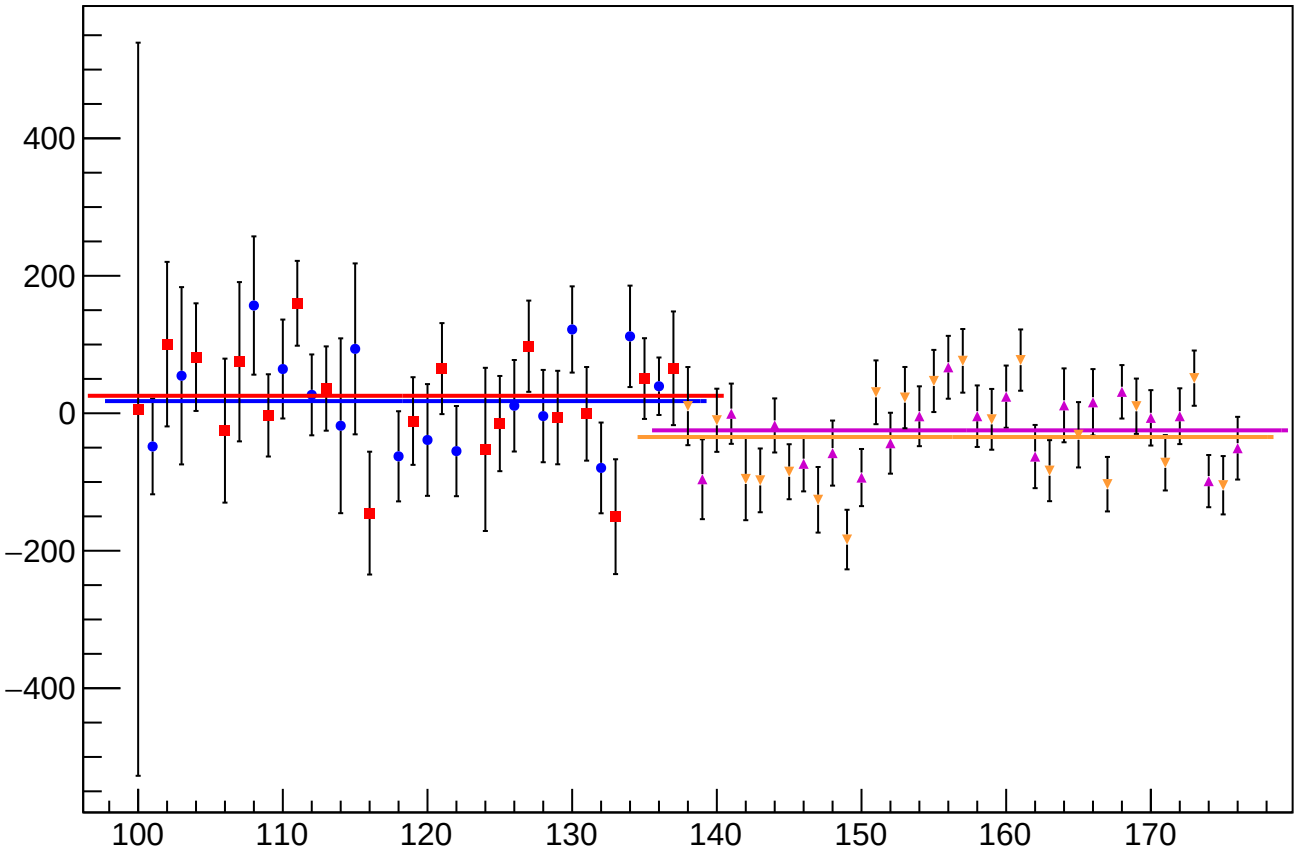
Left: 0.000+/-0.000 χ^2/NDF: 2840063.2/38

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:6067379.3/34

Out: 0.000+/-0.000 χ^2/NDF:6438552.4/38

All: 0.000+/-0.000 χ^2/NDF: 12565003.2/73



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.552+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -24.840+/-10.043 χ^2/NDF:20.8/18

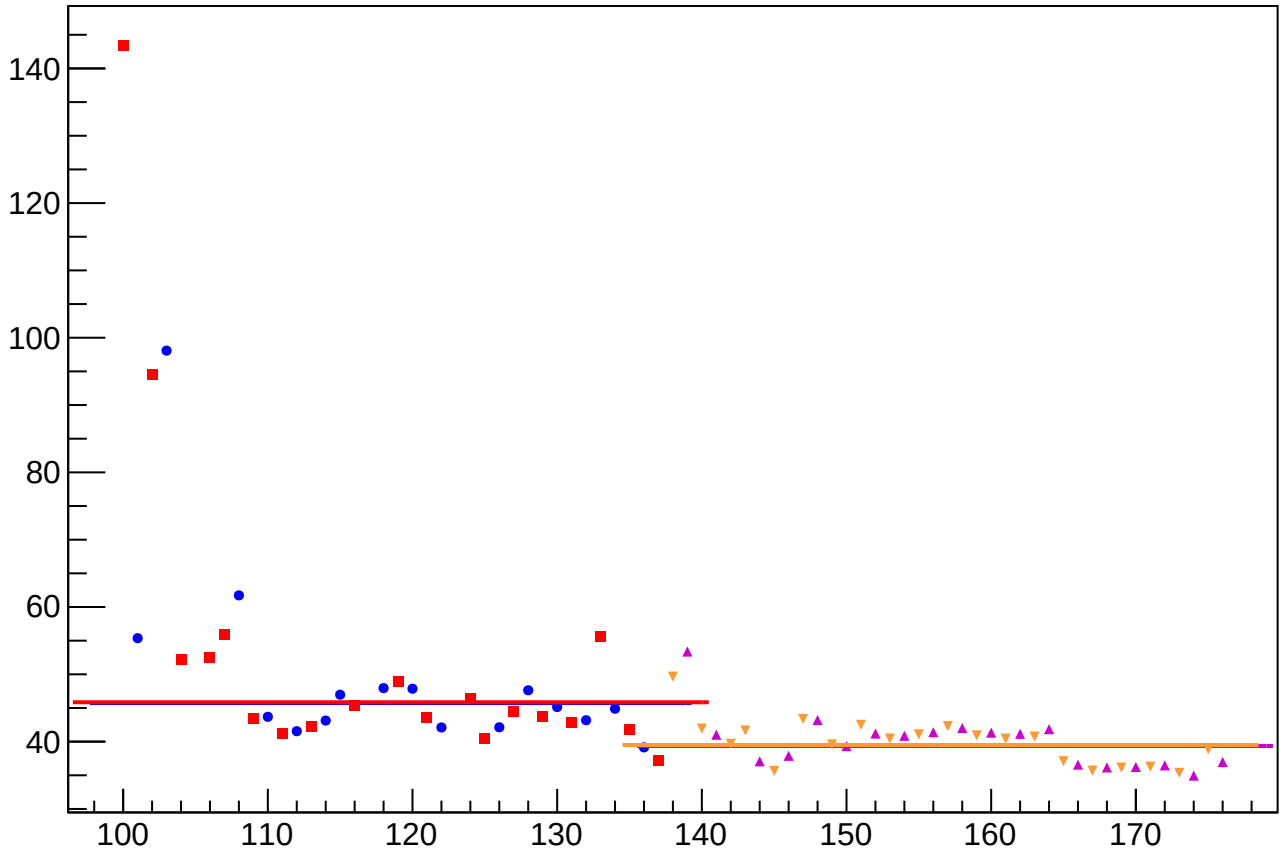
Left: -29.730+/-7.077 χ^2/NDF: 75.0/38

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -14.273+/-8.707 χ^2/NDF:39.2/34

Out: -19.636+/-8.645 χ^2/NDF:80.6/38

All: -16.973+/-6.135 χ^2/NDF: 120.0/73



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

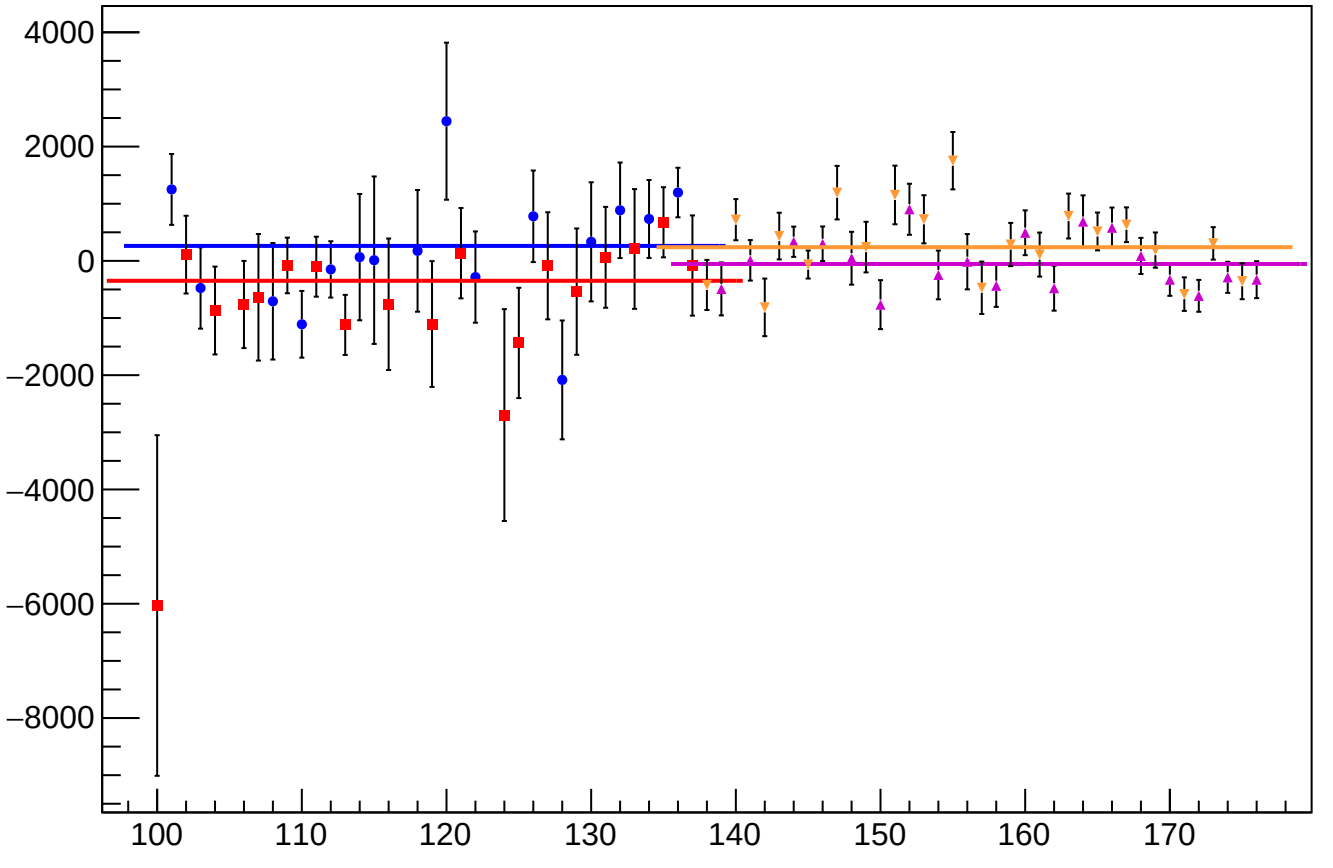
Left: 39.428+/-0.005 χ^2/NDF: 445849.8/38

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.935+/-0.006 χ^2/NDF:946446.8/34

Out: 41.081+/-0.006 χ^2/NDF:942324.5/38

All: 41.009+/-0.004 χ^2/NDF: 1889057.4/73



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 239.649+/-81.128 χ^2/NDF:46.2/19

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -54.307+/-80.509 χ^2/NDF:28.6/18

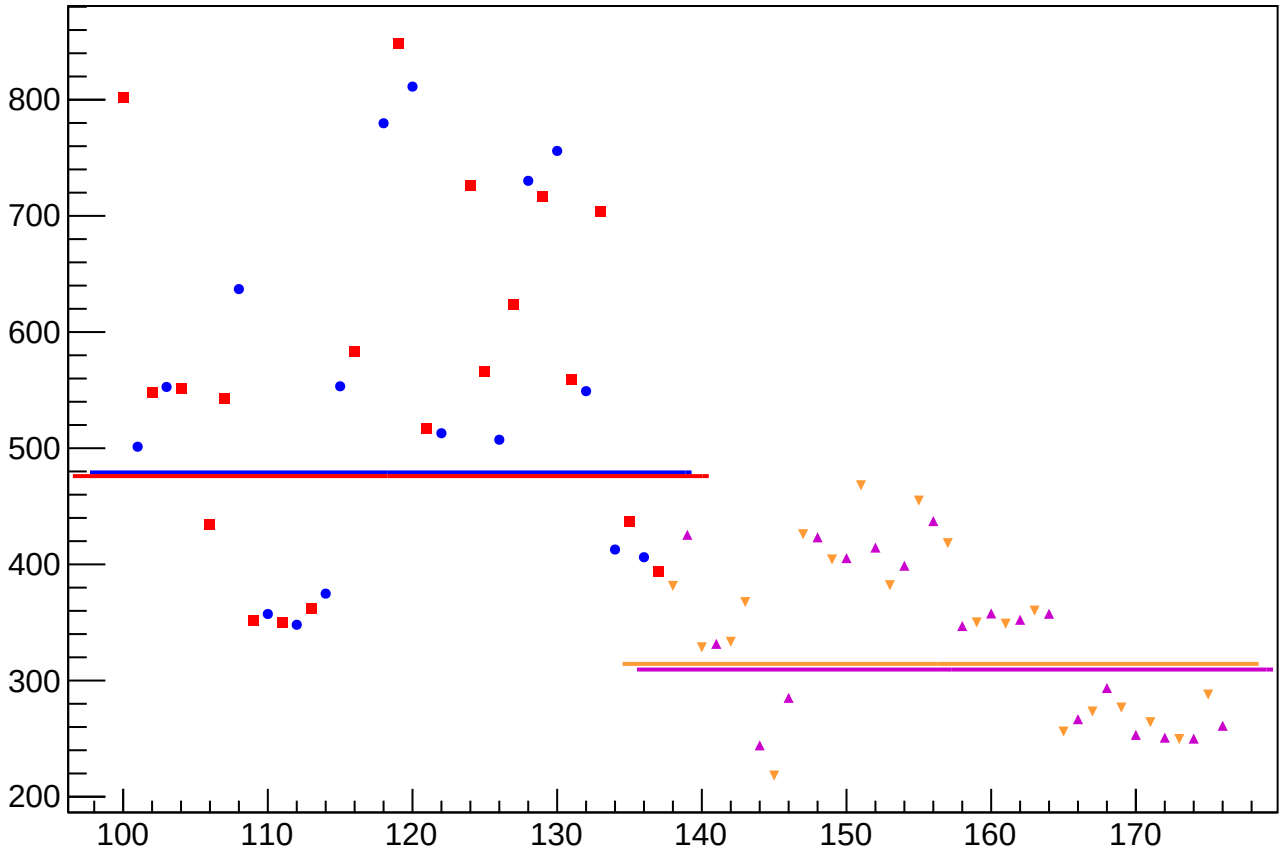
Left: 91.546+/-57.146 χ^2/NDF: 81.5/38

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: -4.047+/-73.835 χ^2/NDF:56.1/34

Out: 140.936+/-74.010 χ^2/NDF:70.0/38

All: 68.273+/-52.271 χ^2/NDF: 128.0/73



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445733.3/19

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 309.482+/-0.057 χ^2/NDF:1266066.6/18

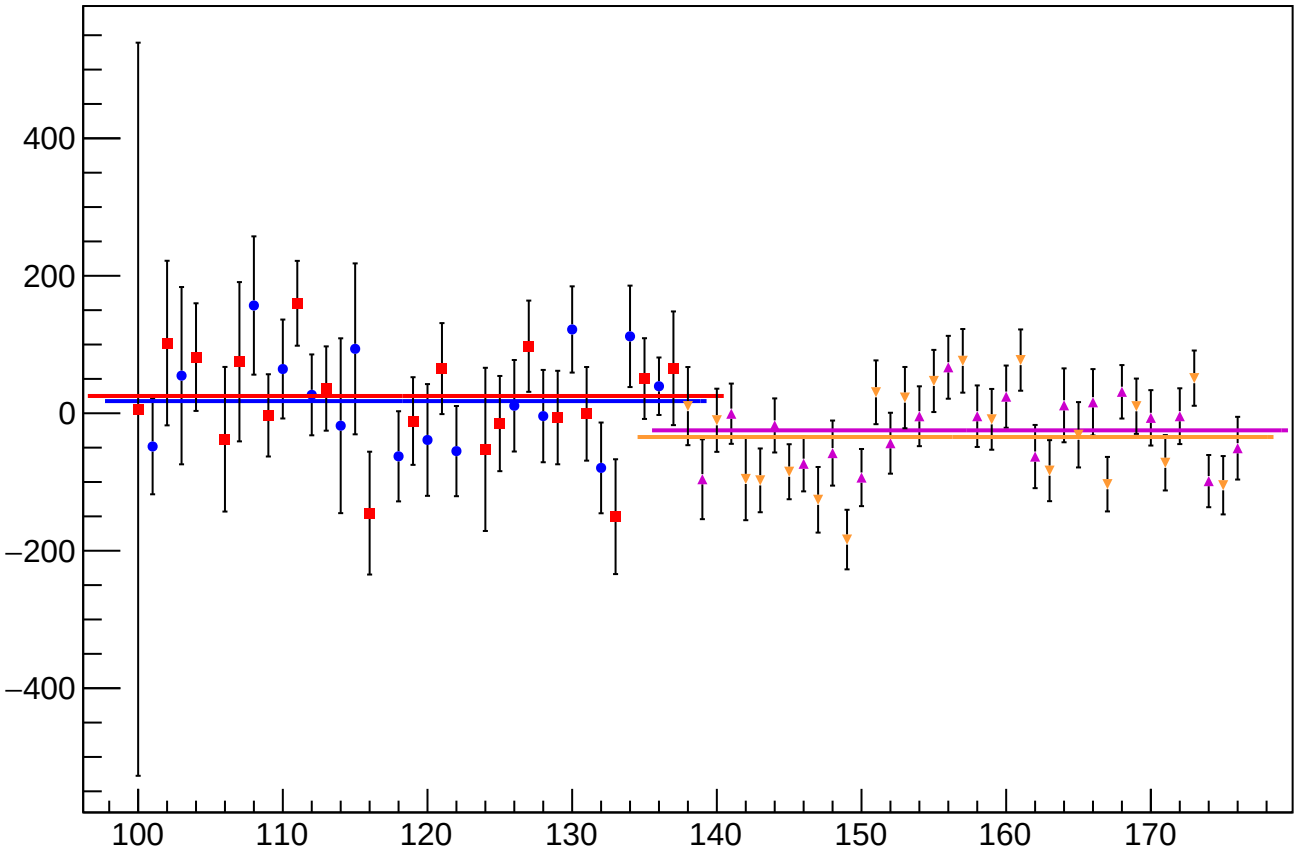
Left: 311.888+/-0.040 χ^2/NDF: 2715398.1/38

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 336.451+/-0.052 χ^2/NDF:3630876.0/34

Out: 341.455+/-0.052 χ^2/NDF:3784666.3/38

All: 338.947+/-0.037 χ^2/NDF: 7420122.9/73



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.839+/-10.043 χ^2/NDF:20.8/18

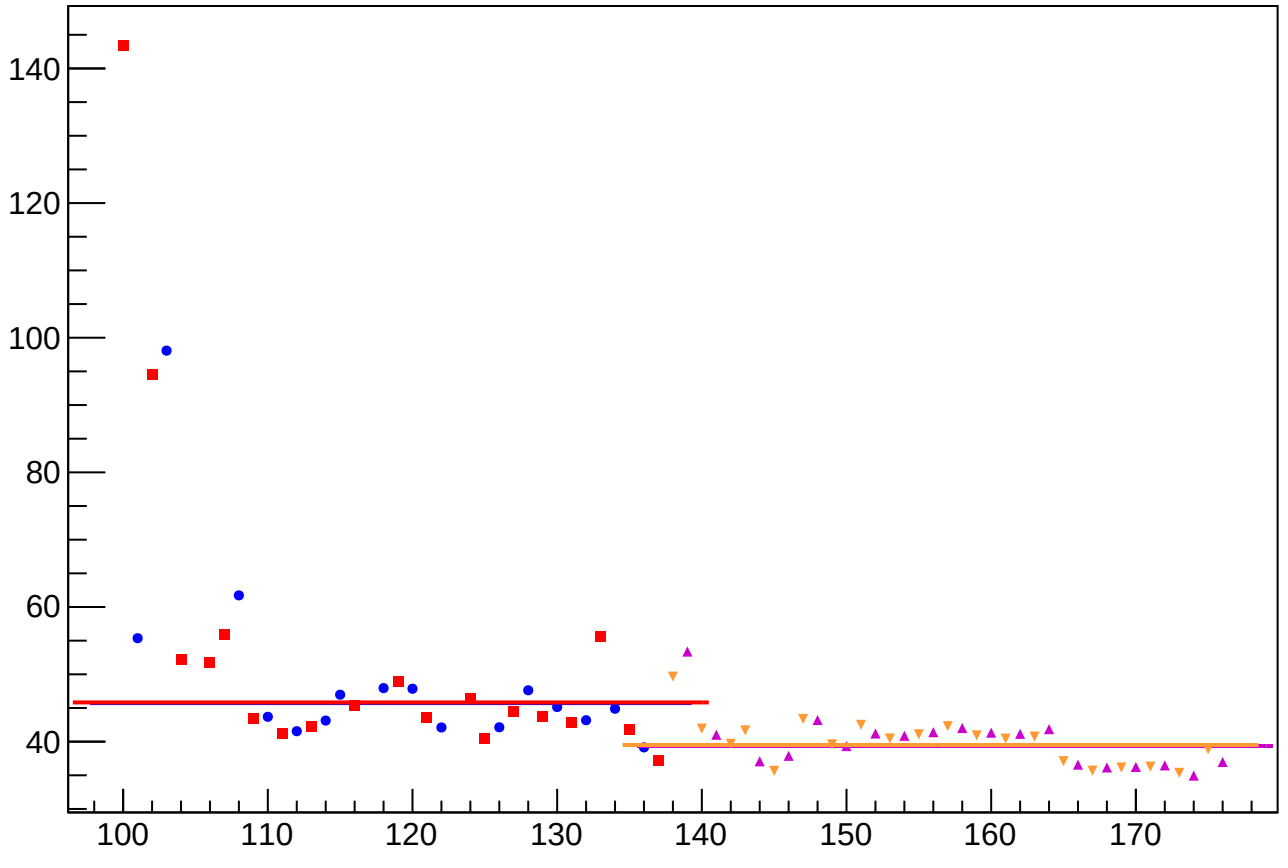
Left: -29.730+/-7.077 χ^2/NDF: 75.0/38

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -14.271+/-8.707 χ^2/NDF:39.2/34

Out: -19.713+/-8.645 χ^2/NDF:80.6/38

All: -17.011+/-6.135 χ^2/NDF: 120.1/73



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

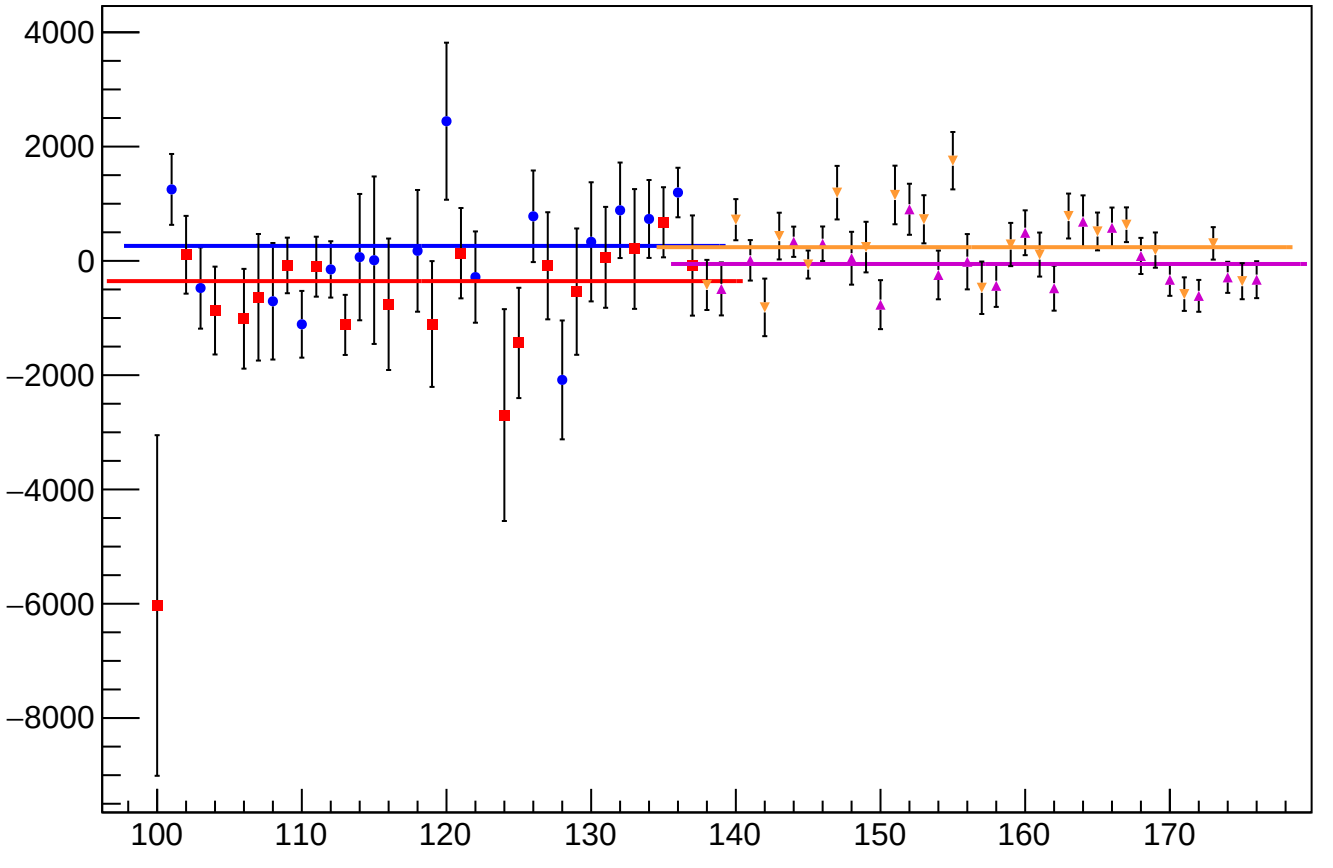
Left: 39.428+/-0.005 χ^2/NDF: 445849.8/38

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.935+/-0.006 χ^2/NDF:946449.7/34

Out: 41.075+/-0.006 χ^2/NDF:939087.9/38

All: 41.005+/-0.004 χ^2/NDF: 1885799.8/73



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 239.646+/-81.128 χ^2/NDF:46.2/19

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -54.304+/-80.509 χ^2/NDF:28.6/18

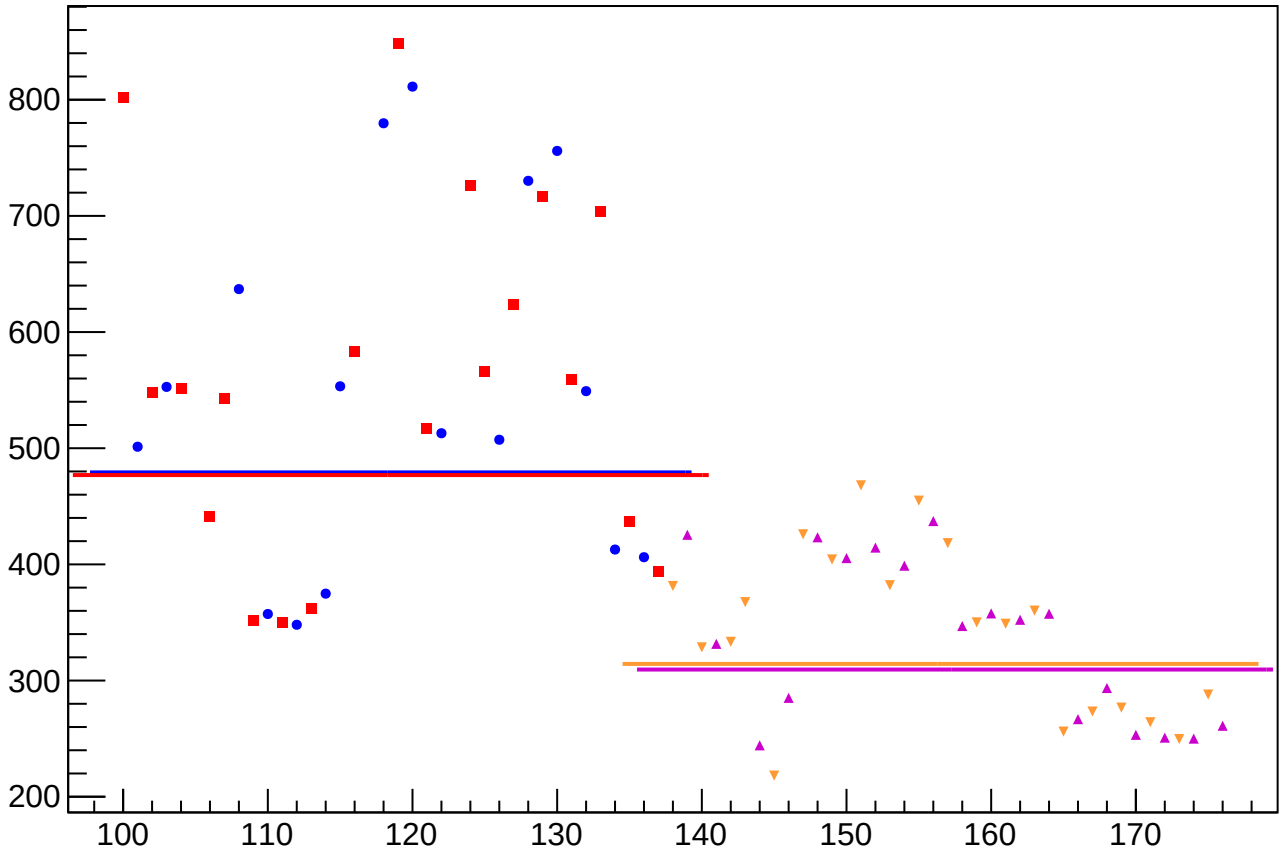
Left: 91.546+/-57.146 χ^2/NDF: 81.5/38

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -4.044+/-73.835 χ^2/NDF:56.1/34

Out: 141.119+/-74.093 χ^2/NDF:70.3/38

All: 68.285+/-52.300 χ^2/NDF: 128.3/73



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

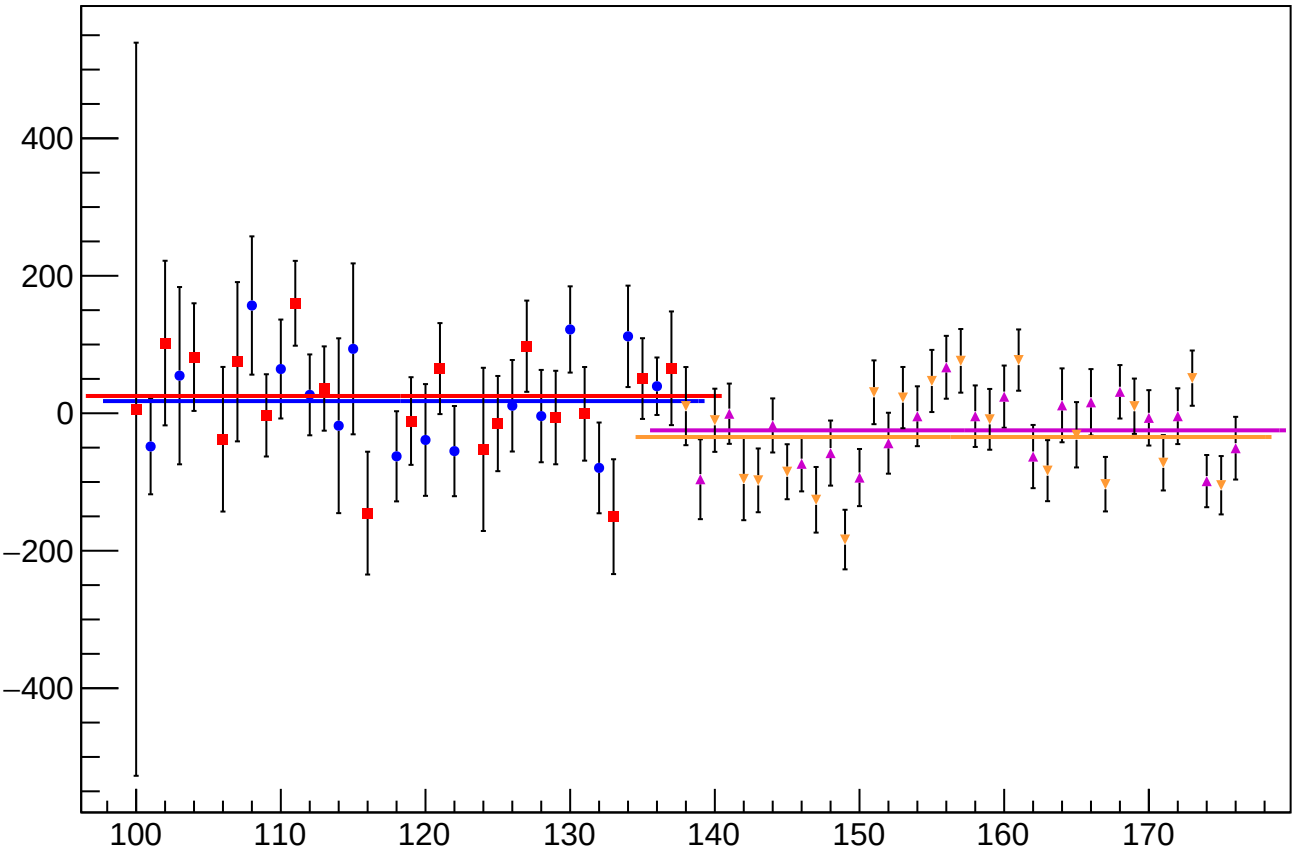
Left: 311.888+/-0.040 χ^2/NDF: 2715403.7/38

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 336.451+/-0.052 χ^2/NDF:3630938.7/34

Out: 341.301+/-0.052 χ^2/NDF:3781803.1/38

All: 338.868+/-0.037 χ^2/NDF: 7417041.6/73



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -34.553+/-9.973 χ^2/NDF:53.7/19

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.839+/-10.043 χ^2/NDF:20.8/18

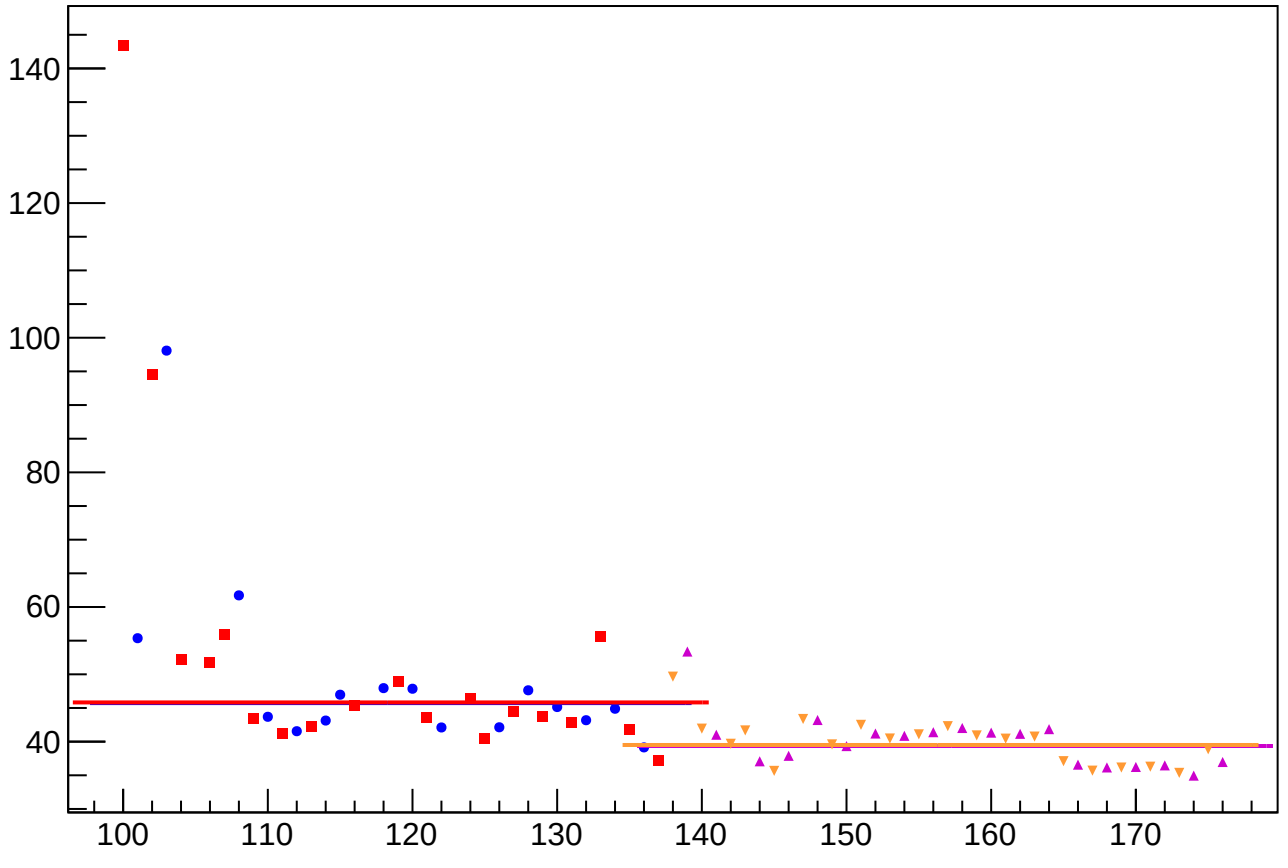
Left: -29.730+/-7.077 χ^2/NDF: 75.0/38

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -14.271+/-8.707 χ^2/NDF:39.2/34

Out: -19.713+/-8.645 χ^2/NDF:80.6/38

All: -17.011+/-6.135 χ^2/NDF: 120.1/73



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.504+/-0.007 χ^2/NDF:200846.7/19

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

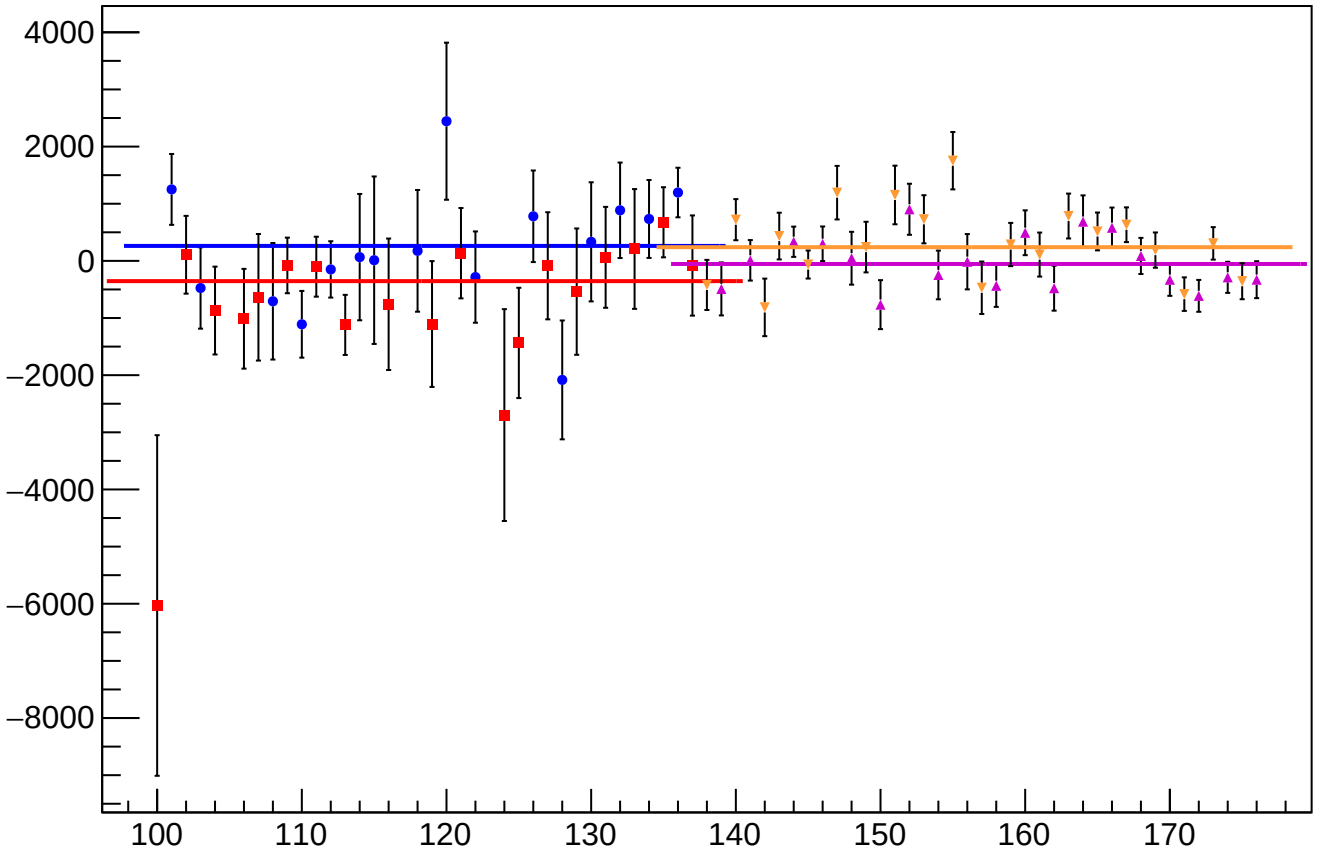
Left: 39.428+/-0.005 χ^2/NDF: 445849.8/38

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.935+/-0.006 χ^2/NDF:946449.7/34

Out: 41.075+/-0.006 χ^2/NDF:939087.9/38

All: 41.005+/-0.004 χ^2/NDF: 1885799.8/73



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 239.646+/-81.128 χ^2/NDF:46.2/19

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -54.304+/-80.509 χ^2/NDF:28.6/18

Left: 91.546+/-57.146 χ^2/NDF: 81.5/38

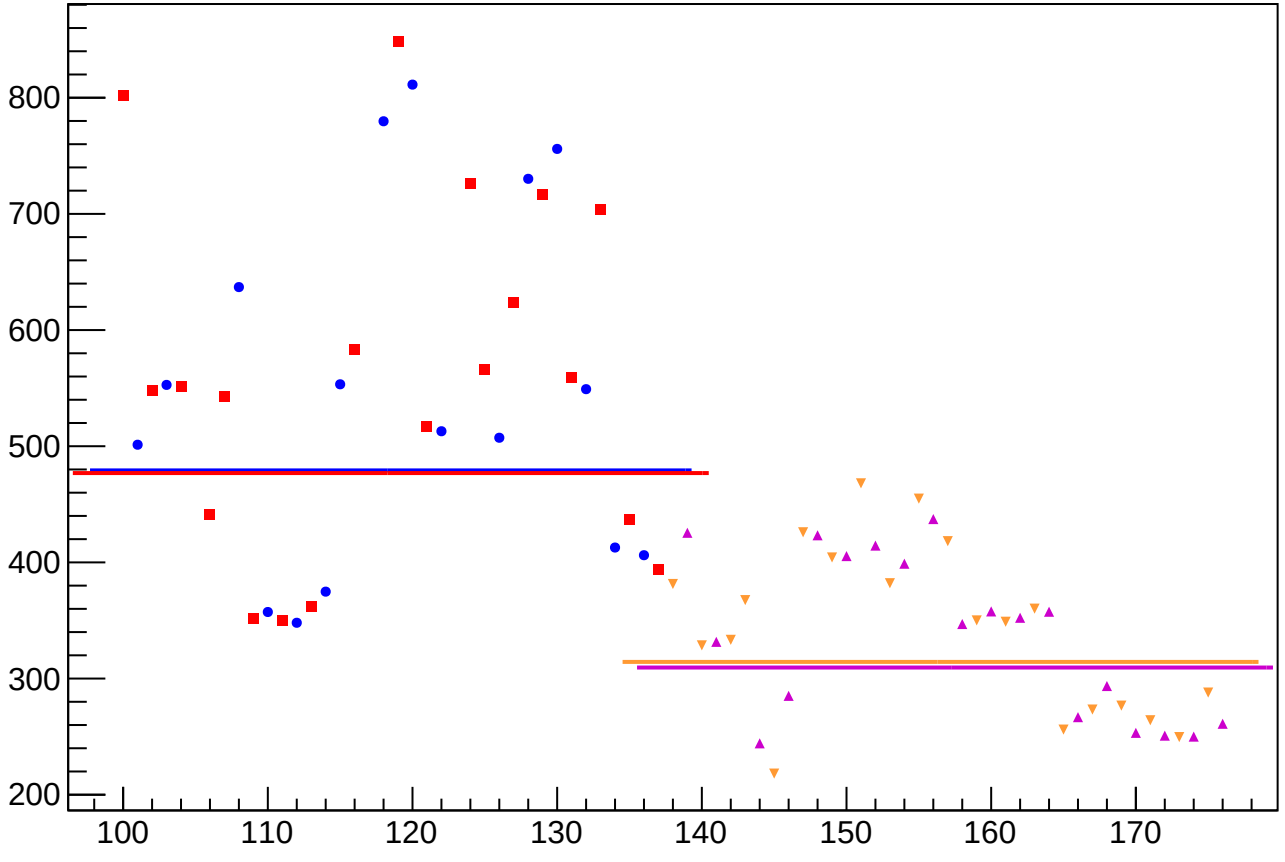
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -4.044+/-73.835 χ^2/NDF:56.1/34

Out: 141.119+/-74.093 χ^2/NDF:70.3/38

All: 68.285+/-52.300 χ^2/NDF: 128.3/73

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: 314.330+/-0.057 χ^2/NDF:1445729.9/19

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

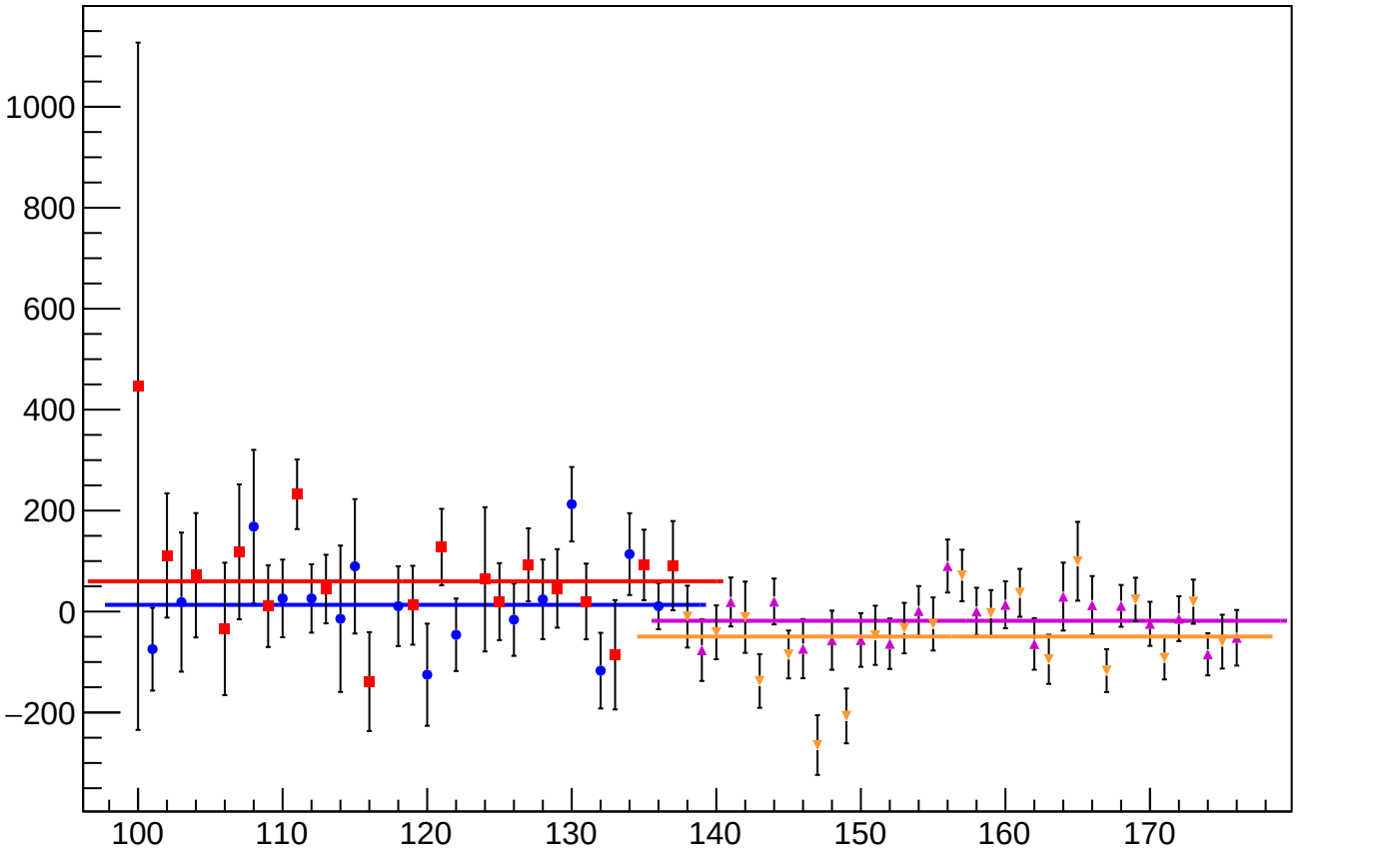
Left: 311.888+/-0.040 χ^2/NDF: 2715403.7/38

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 336.451+/-0.052 χ^2/NDF:3630938.7/34

Out: 341.301+/-0.052 χ^2/NDF:3781803.1/38

All: 338.868+/-0.037 χ^2/NDF: 7417041.6/73



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -18.335+/-11.450 χ^2/NDF:14.9/18

Left: -34.025+/-8.077 χ^2/NDF: 68.1/38

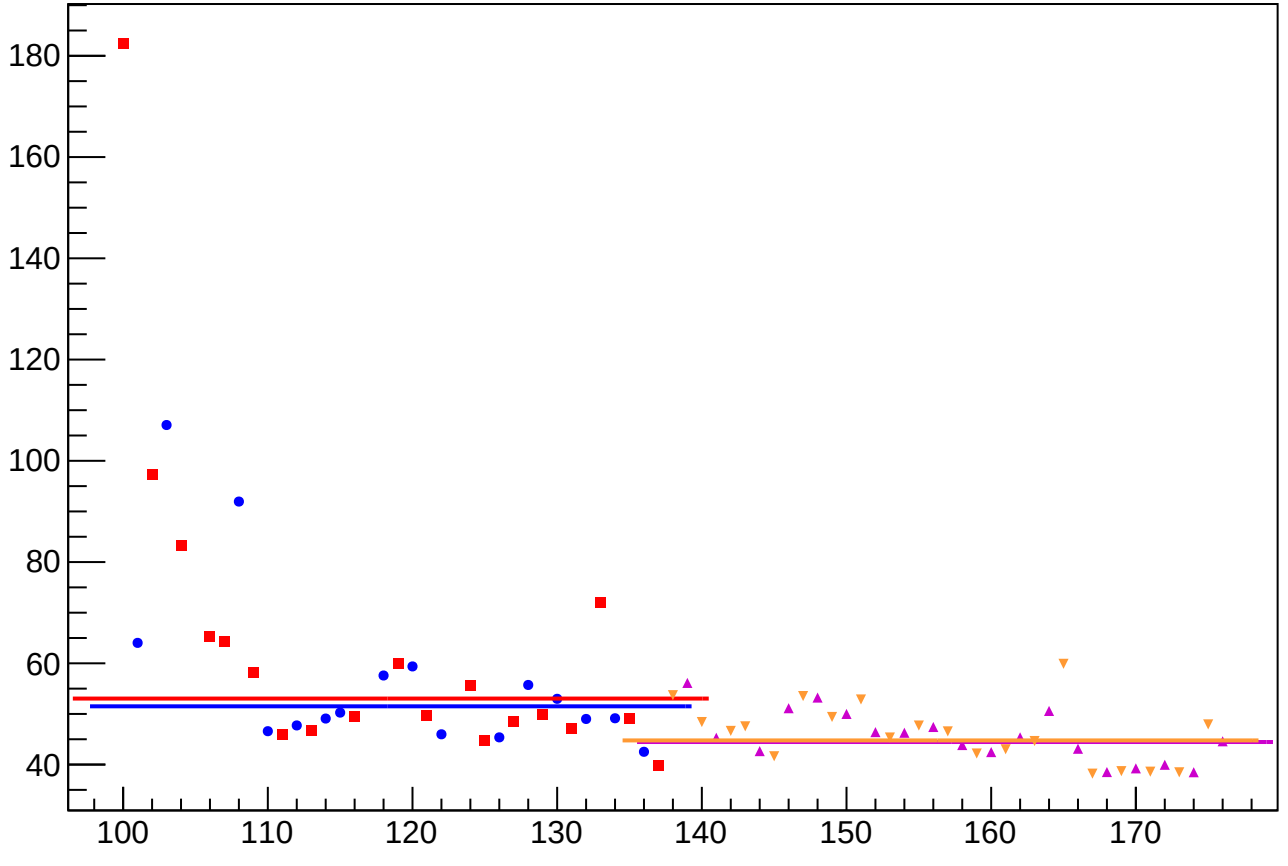
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -10.445+/-9.918 χ^2/NDF:34.1/34

Out: -23.229+/-9.928 χ^2/NDF:87.7/38

All: -16.830+/-7.017 χ^2/NDF: 122.6/73

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: 44.769+/-0.008 χ^2/NDF:434756.5/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.454+/-0.008 χ^2/NDF:334449.2/18

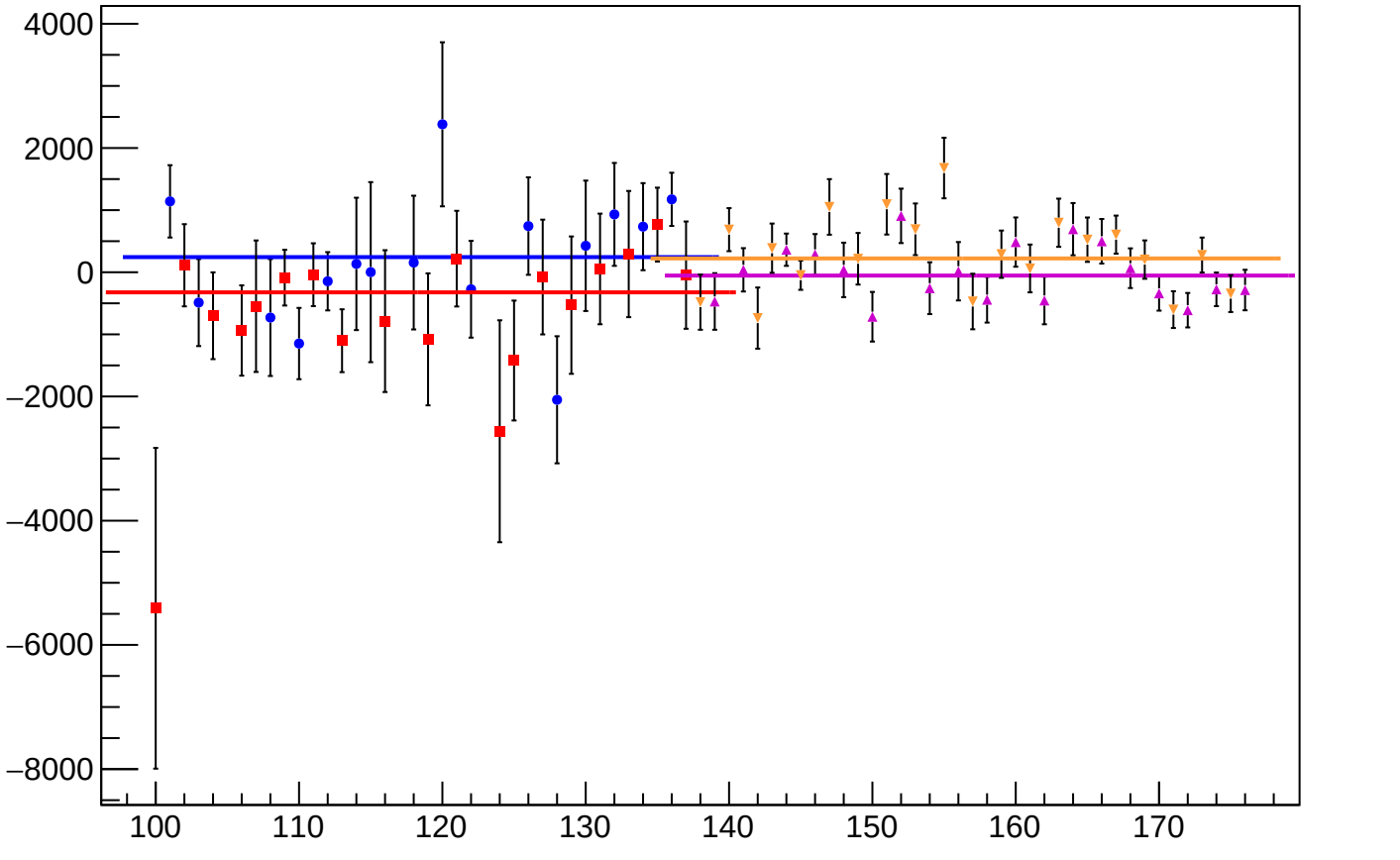
Left: 44.612+/-0.006 χ^2/NDF: 769967.5/38

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.215+/-0.007 χ^2/NDF:1190900.7/34

Out: 46.760+/-0.007 χ^2/NDF:1401218.1/38

All: 46.487+/-0.005 χ^2/NDF: 2595137.3/73



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -53.710+/-79.867 χ^2/NDF:28.4/18

Left: 84.184+/-56.501 χ^2/NDF: 79.3/38

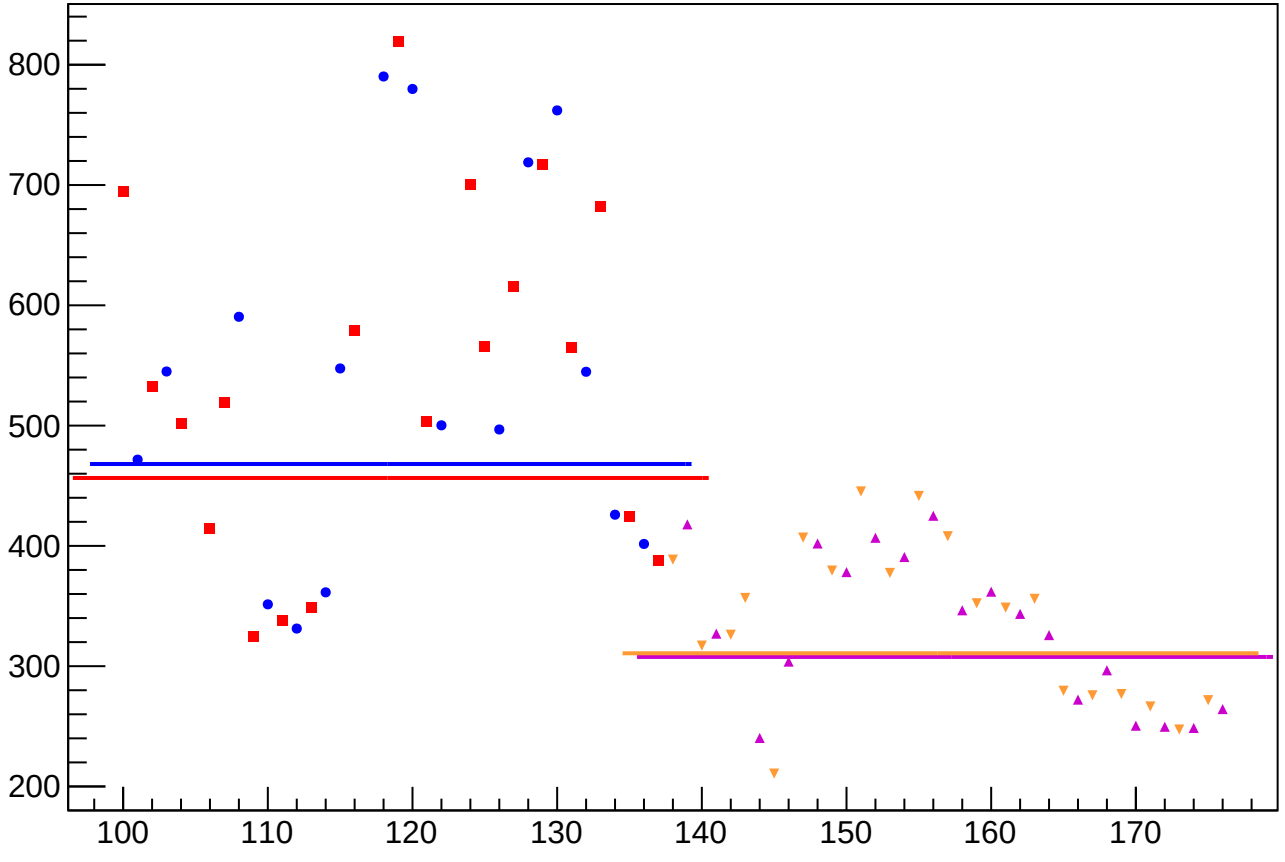
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: -5.162+/-73.061 χ^2/NDF:56.3/34

Out: 126.846+/-72.615 χ^2/NDF:69.5/38

All: 61.246+/-51.504 χ^2/NDF: 127.4/73

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: 310.719+/-0.057 χ^2/NDF:1356849.4/19

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 307.672+/-0.056 χ^2/NDF:1123498.2/18

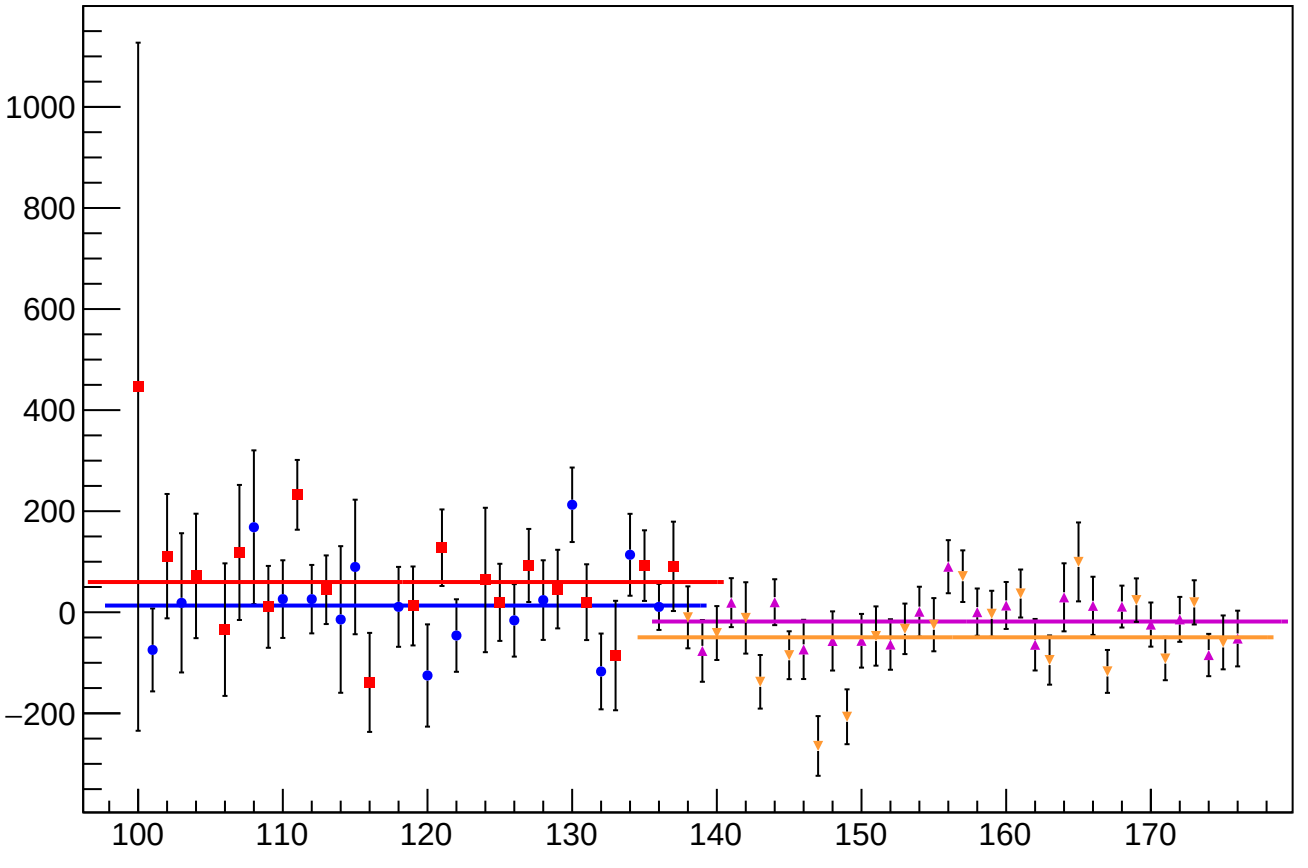
Left: 309.194+/-0.040 χ^2/NDF: 2481800.9/38

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 333.843+/-0.052 χ^2/NDF:3422542.3/34

Out: 336.211+/-0.051 χ^2/NDF:3602178.8/38

All: 335.034+/-0.036 χ^2/NDF: 7025777.5/73



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.561+/-11.394 χ^2/NDF:49.5/19

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -18.335+/-11.450 χ^2/NDF:14.9/18

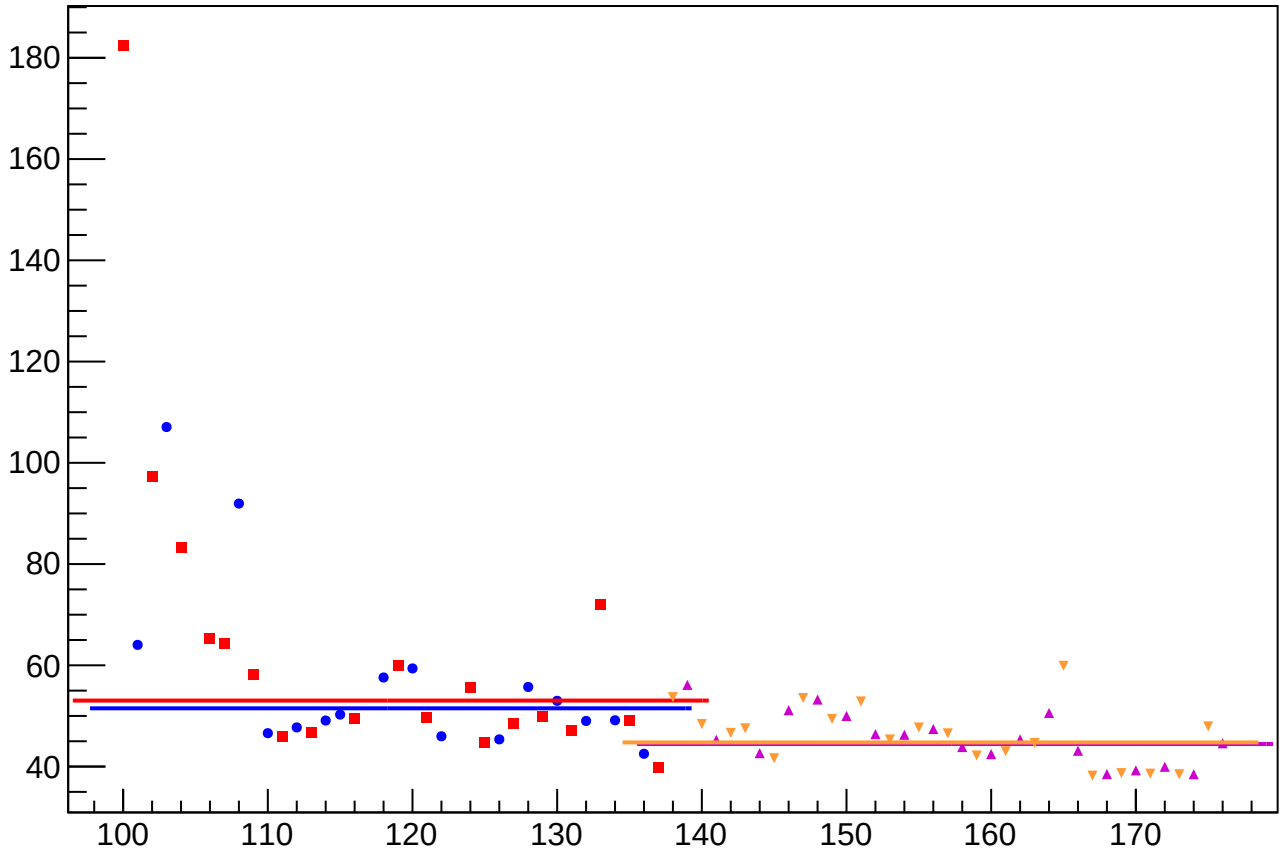
Left: -34.025+/-8.077 χ^2/NDF: 68.1/38

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -10.444+/-9.918 χ^2/NDF:34.1/34

Out: -23.229+/-9.928 χ^2/NDF:87.7/38

All: -16.830+/-7.017 χ^2/NDF: 122.6/73



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.769+/-0.008 χ^2/NDF:434759.2/19

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.454+/-0.008 χ^2/NDF:334448.5/18

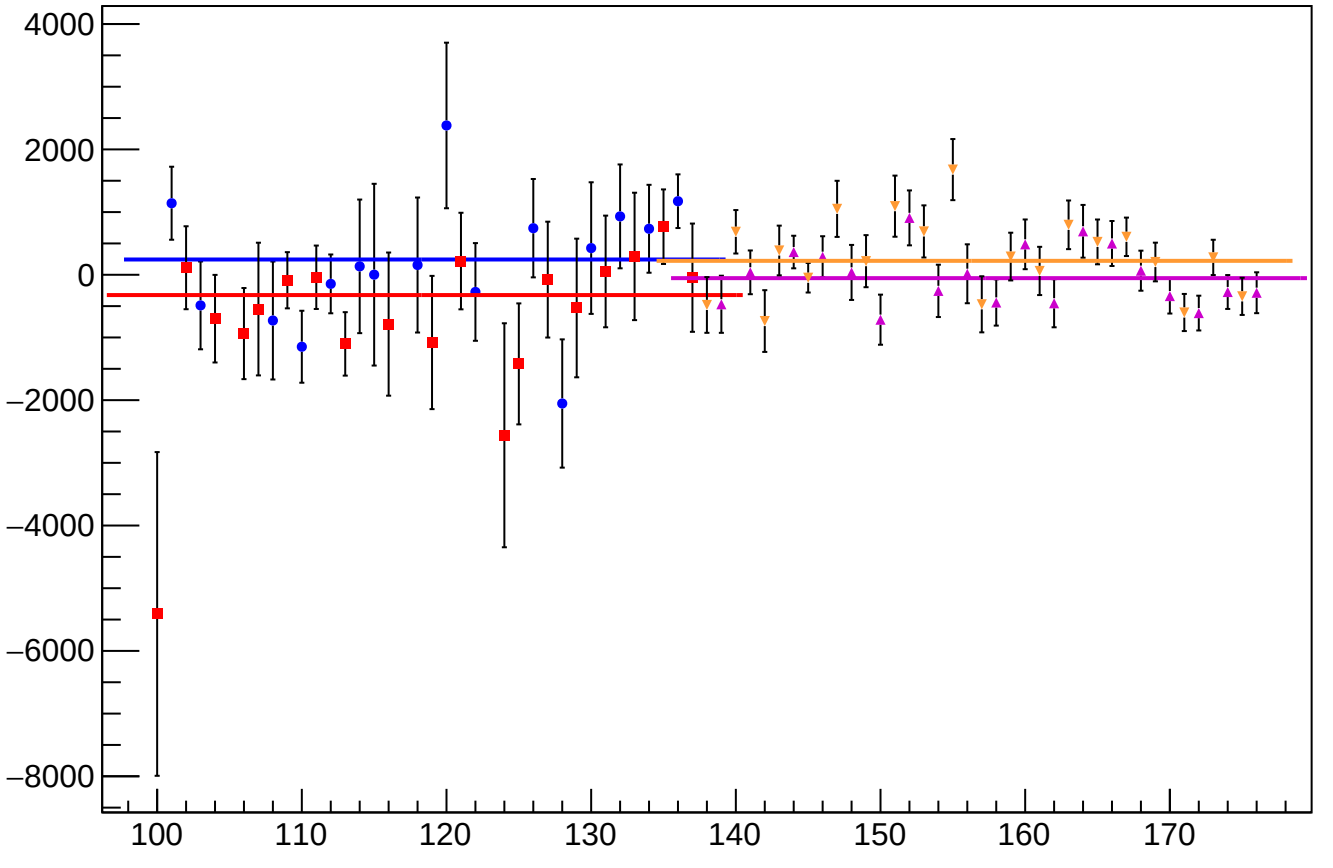
Left: 44.612+/-0.006 χ^2/NDF: 769969.5/38

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.215+/-0.007 χ^2/NDF:1190904.7/34

Out: 46.760+/-0.007 χ^2/NDF:1401231.2/38

All: 46.487+/-0.005 χ^2/NDF: 2595154.5/73



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 222.338+/-79.942 χ^2/NDF:44.9/19

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -53.710+/-79.867 χ^2/NDF:28.4/18

Left: 84.184+/-56.501 χ^2/NDF: 79.3/38

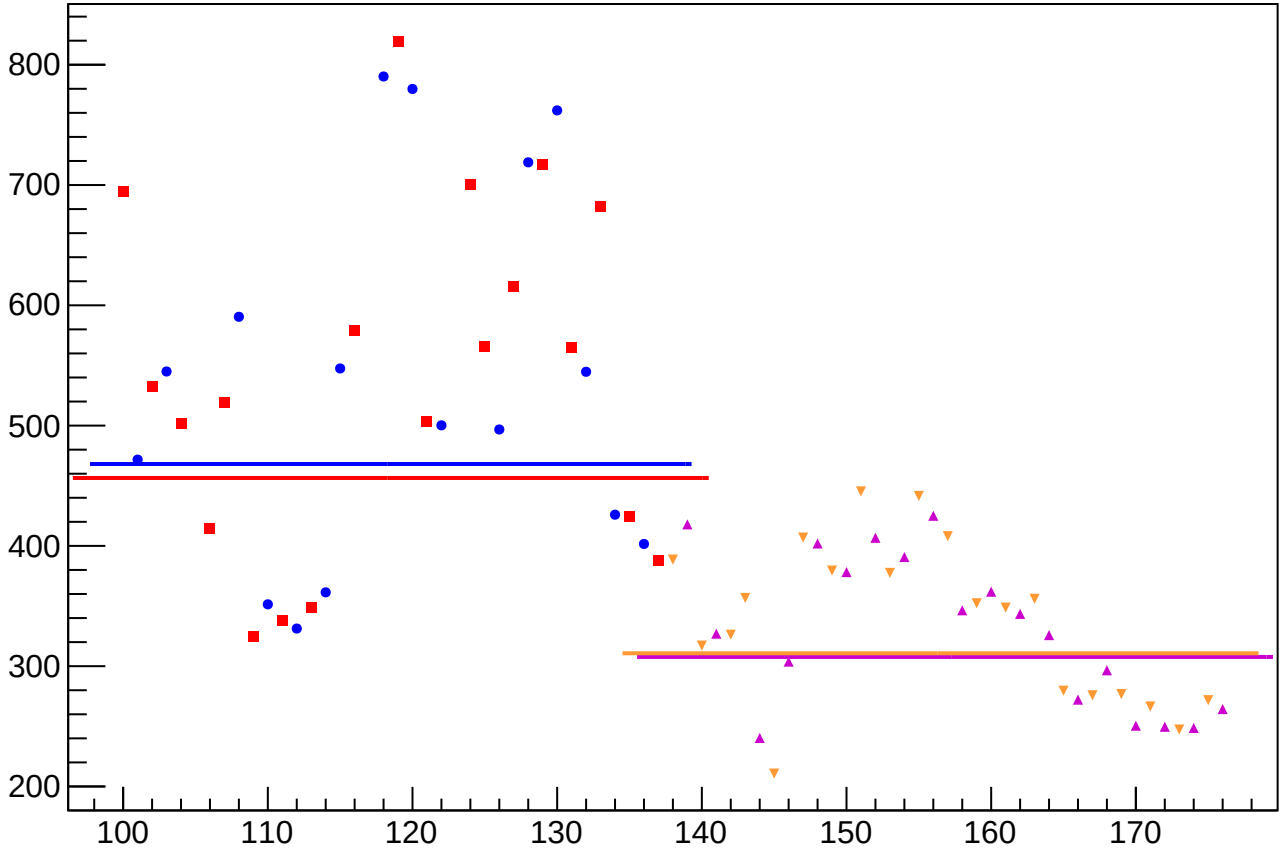
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: -5.162+/-73.061 χ^2/NDF:56.3/34

Out: 126.846+/-72.615 χ^2/NDF:69.5/38

All: 61.246+/-51.504 χ^2/NDF: 127.4/73

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: 310.719+/-0.057 χ^2/NDF:1356846.2/19

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 307.673+/-0.056 χ^2/NDF:1123491.5/18

Left: 309.194+/-0.040 χ^2/NDF: 2481790.8/38

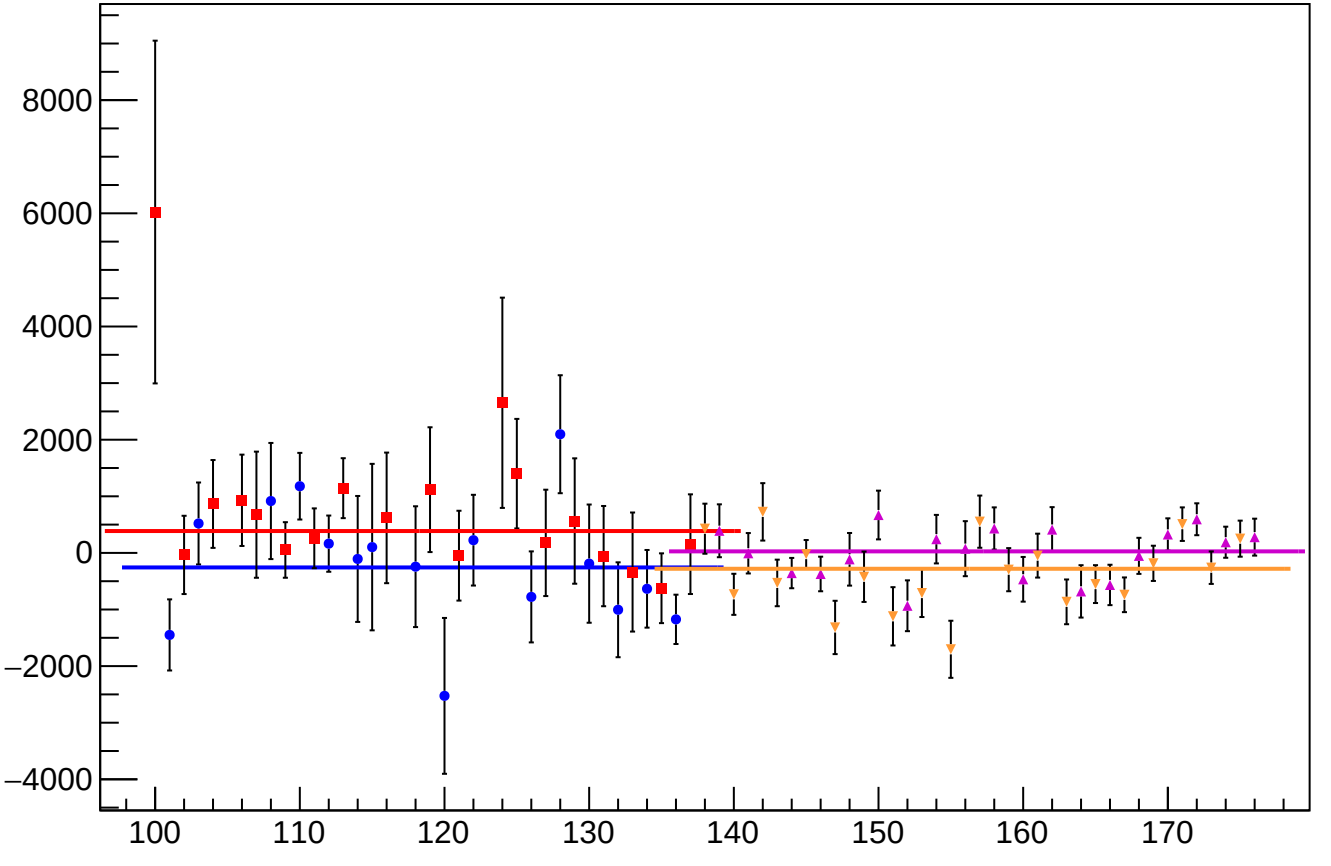
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 333.844+/-0.052 χ^2/NDF:3422520.0/34

Out: 336.211+/-0.051 χ^2/NDF:3602159.5/38

All: 335.034+/-0.036 χ^2/NDF: 7025735.7/73

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -280.232+/-81.808 χ^2/NDF:44.8/19

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 27.141+/-81.198 χ^2/NDF:26.5/18

Left: -125.394+/-57.630 χ^2/NDF: 78.3/38

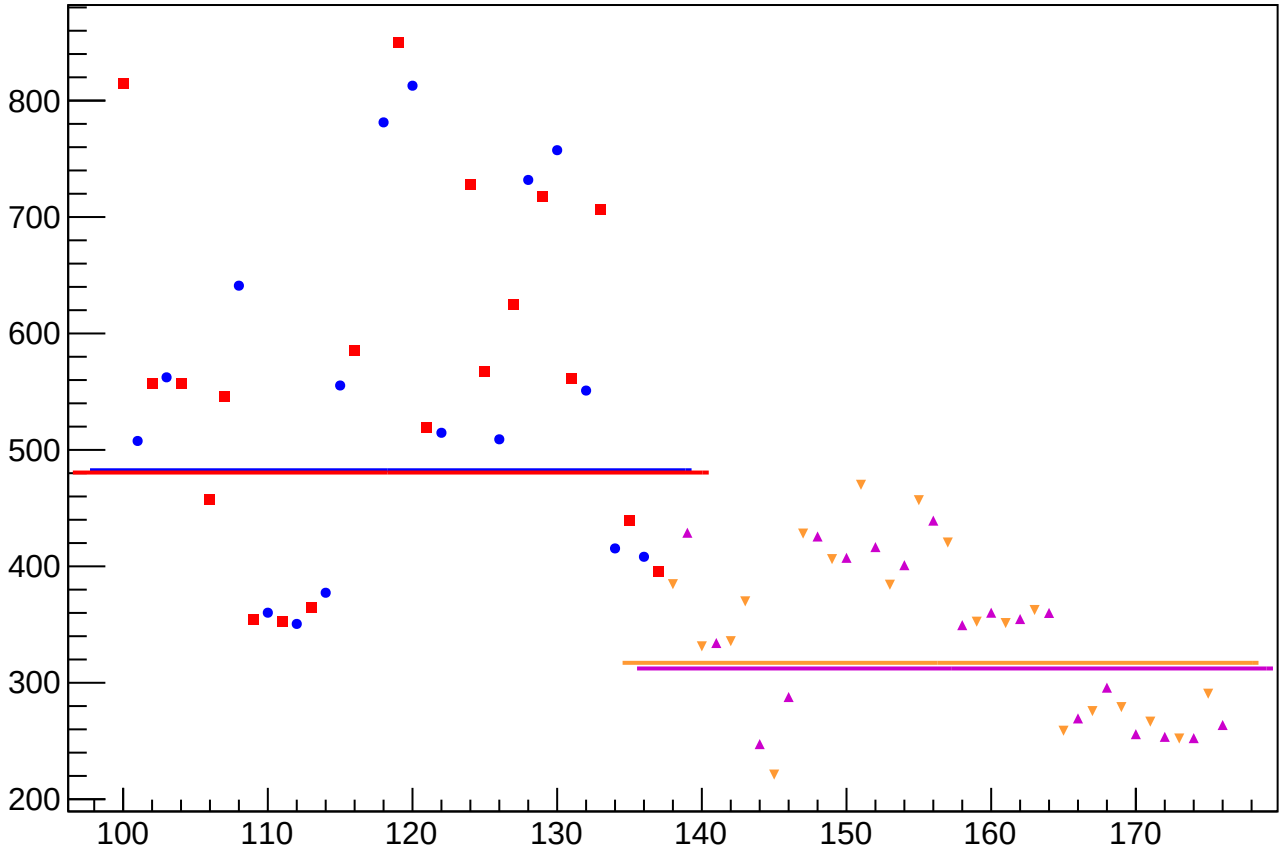
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -18.112+/-74.445 χ^2/NDF:55.4/34

Out: -168.544+/-74.642 χ^2/NDF:70.1/38

All: -93.130+/-52.710 χ^2/NDF: 127.5/73

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 317.141+/-0.058 χ^2/NDF:1415397.3/19

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 312.283+/-0.057 χ^2/NDF:1241186.4/18

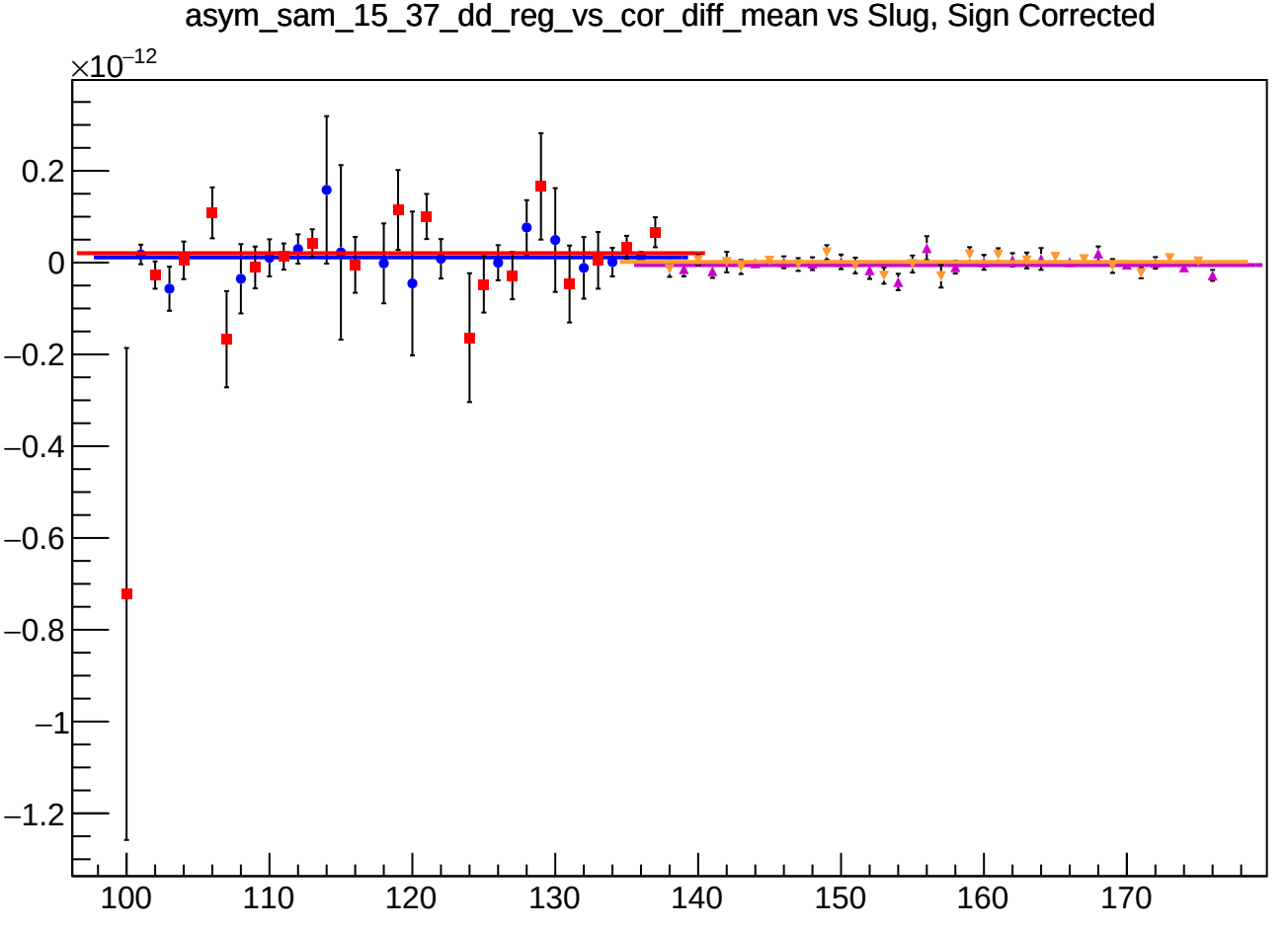
Left: 314.694+/-0.041 χ^2/NDF: 2660137.5/38

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 339.418+/-0.053 χ^2/NDF:3588941.1/34

Out: 344.518+/-0.053 χ^2/NDF:3746175.7/38

All: 341.961+/-0.037 χ^2/NDF: 7339799.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/18

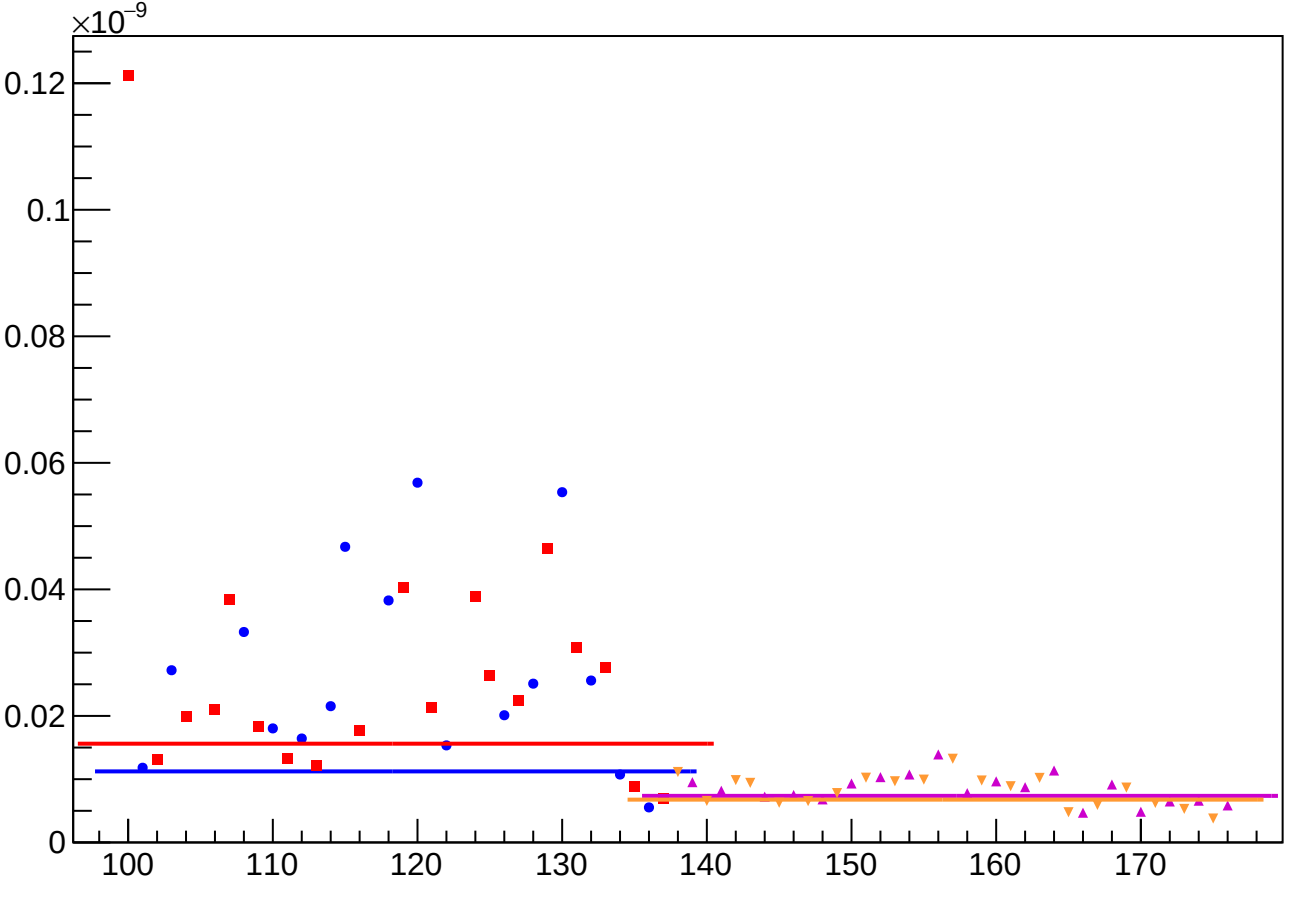
Left: -0.000+/-0.000 χ^2/NDF: 36.5/38

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:25.7/34

Out: 0.000+/-0.000 χ^2/NDF:44.3/38

All: 0.000+/-0.000 χ^2/NDF: 72.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1327037.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:803156.4/18

Left: 0.000+/-0.000 χ^2/NDF: 2170375.8/38

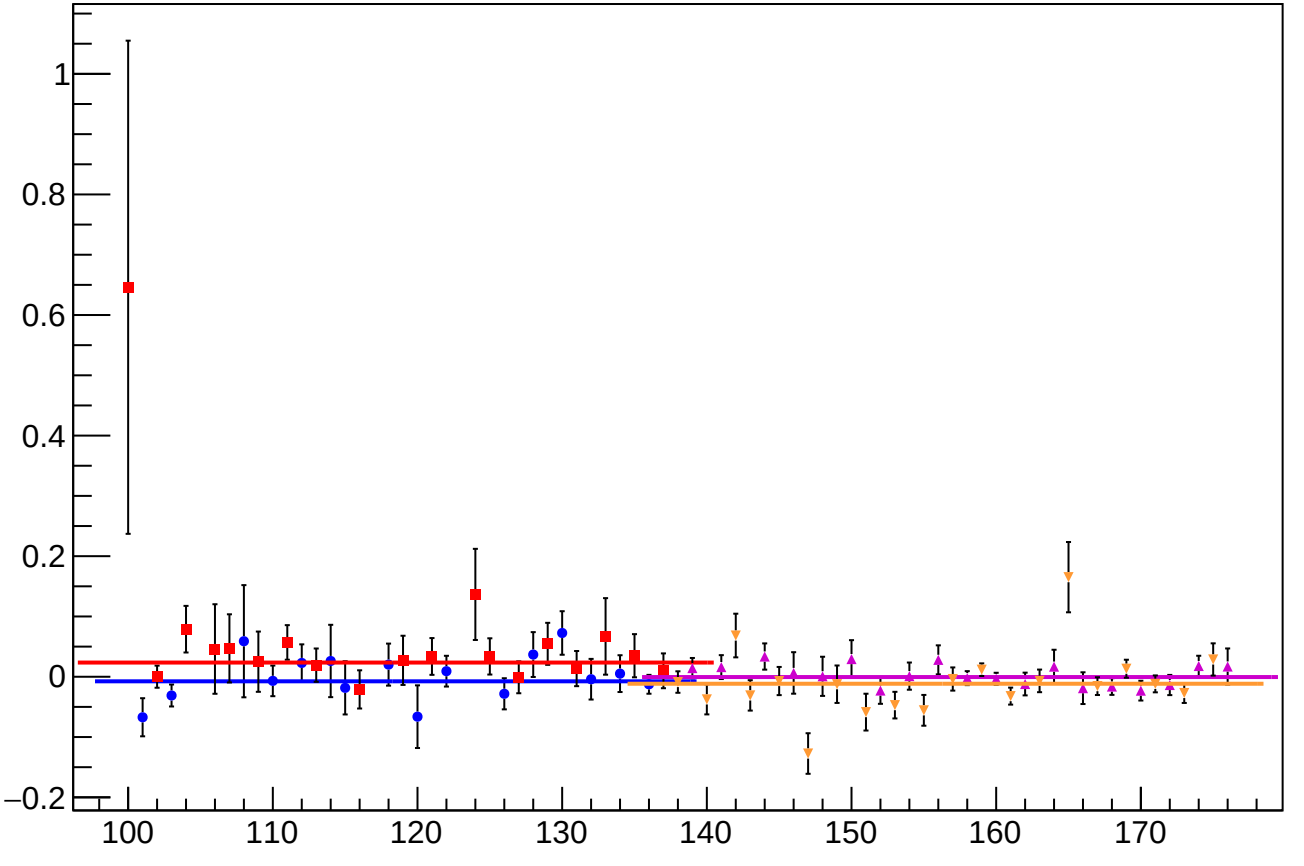
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3312914.4/34

Out: 0.000+/-0.000 χ^2/NDF:3892280.3/38

All: 0.000+/-0.000 χ^2/NDF: 7233796.1/73

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

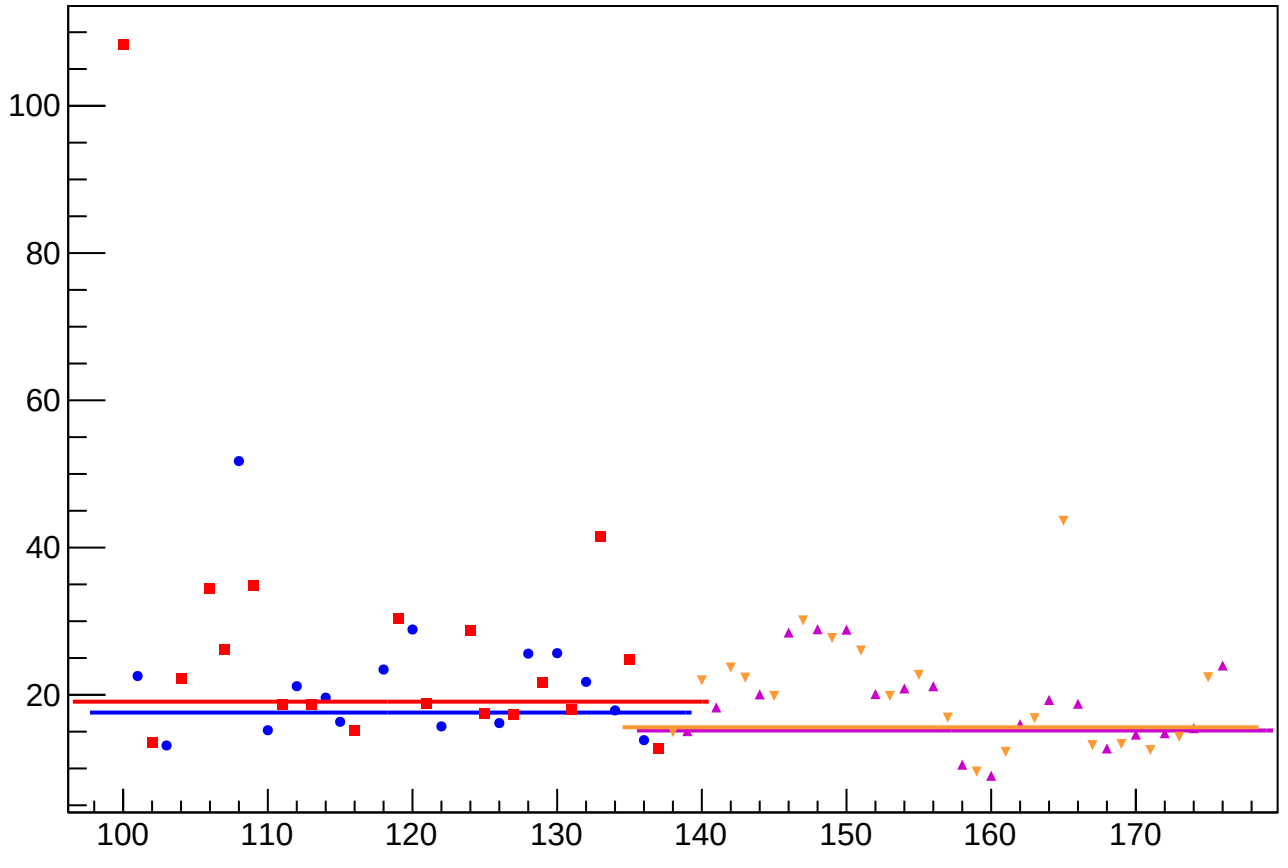
Left: -0.006+/-0.003 χ^2/NDF: 66.3/38

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.8/73



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.596+/-0.003 χ^2/NDF:3177613.0/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

Left: 15.373+/-0.002 χ^2/NDF: 6133494.3/38

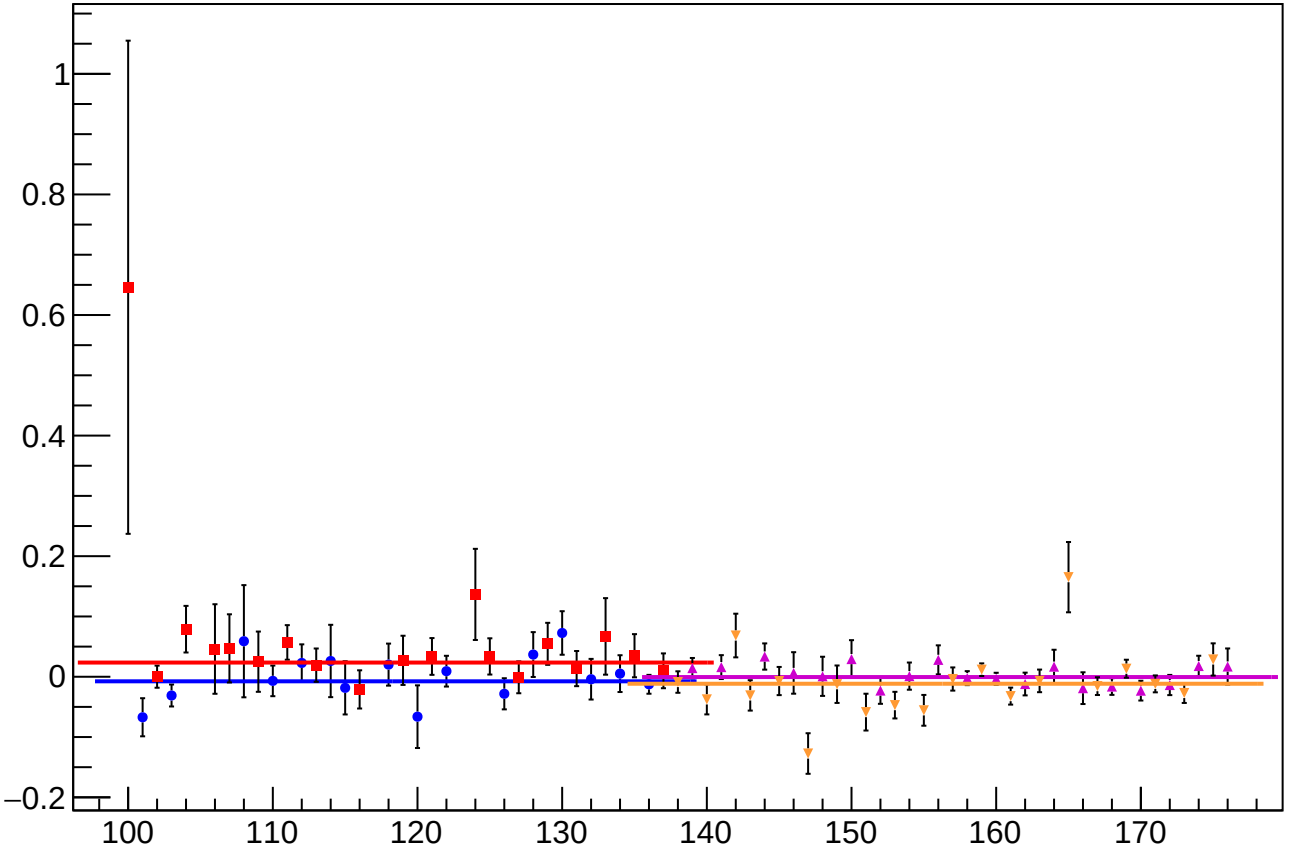
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.775+/-0.003 χ^2/NDF:4108878.0/34

Out: 16.408+/-0.003 χ^2/NDF:4734472.6/38

All: 16.082+/-0.002 χ^2/NDF: 8872838.0/73

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.3/38

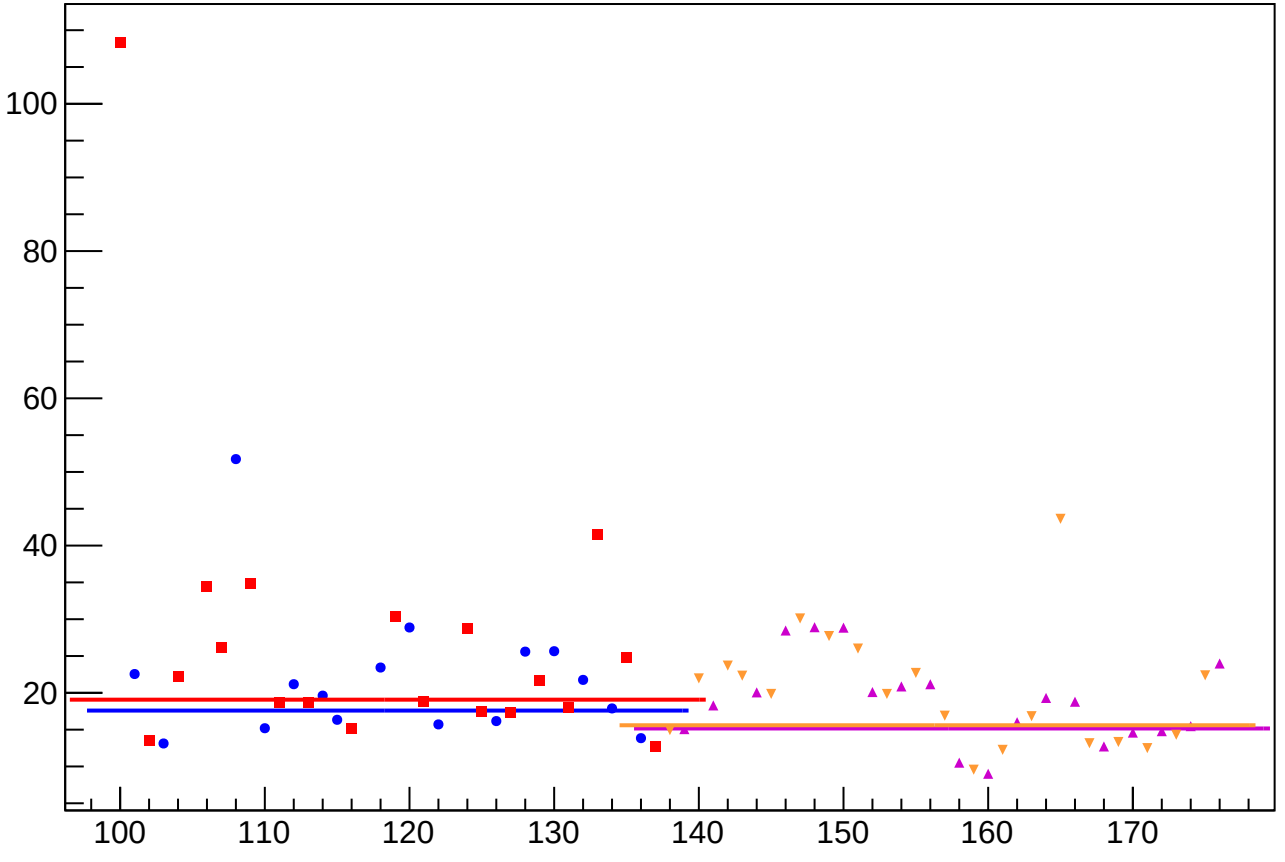
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.8/73

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: 15.596+/-0.003 χ^2/NDF:3177613.0/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

Left: 15.373+/-0.002 χ^2/NDF: 6133494.3/38

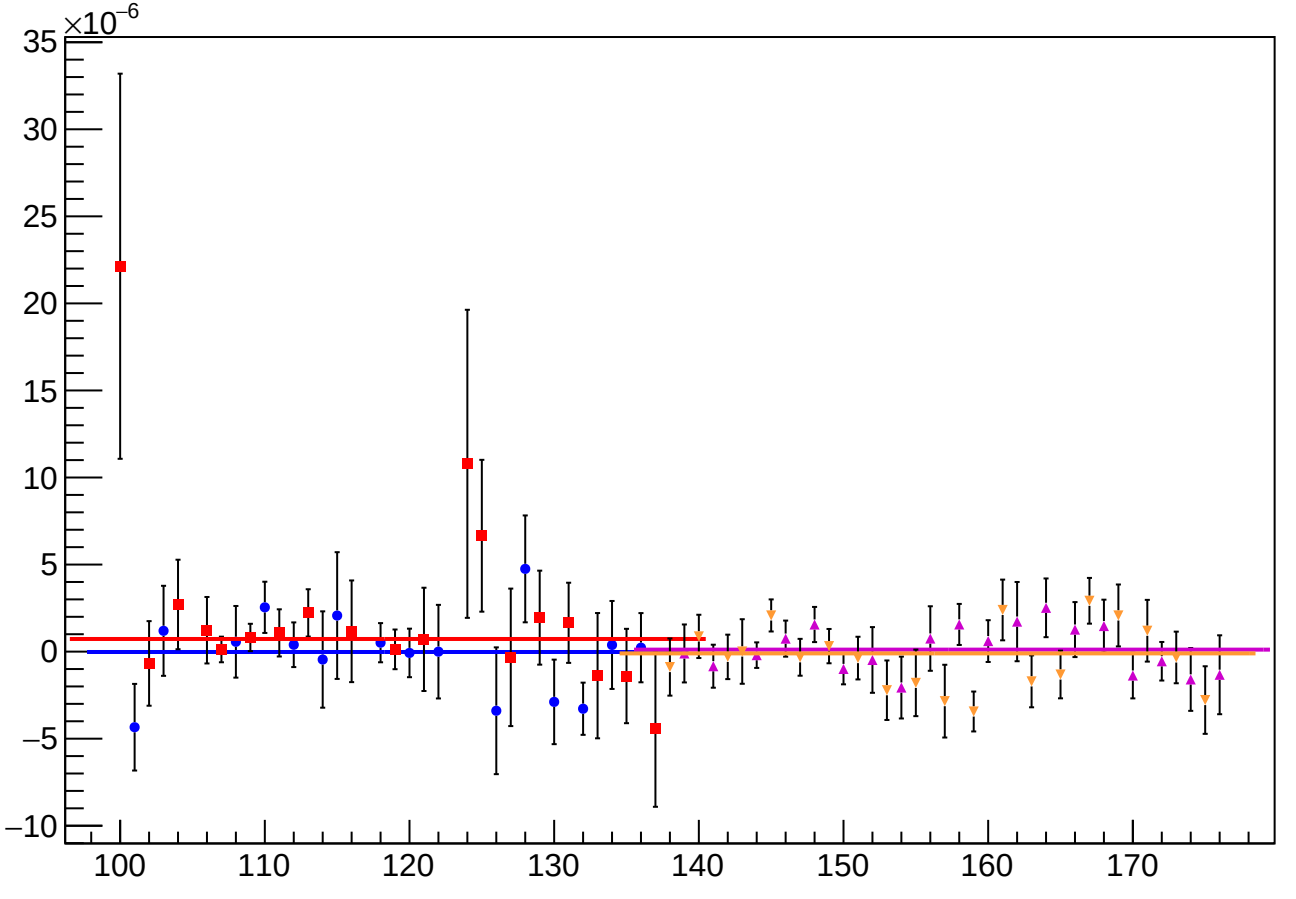
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.775+/-0.003 χ^2/NDF:4108878.0/34

Out: 16.408+/-0.003 χ^2/NDF:4734472.6/38

All: 16.082+/-0.002 χ^2/NDF: 8872838.0/73

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:32.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/18

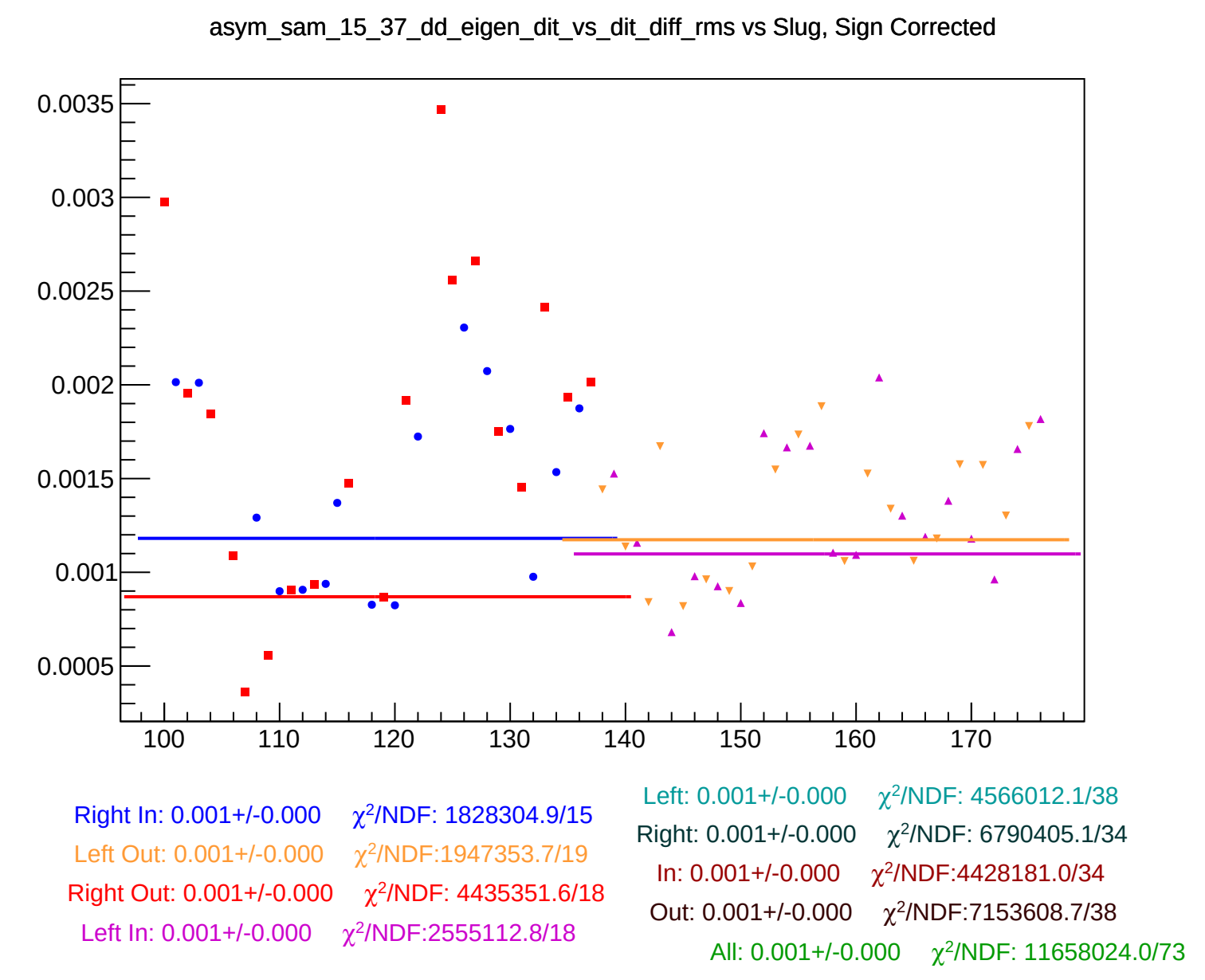
Left: 0.000+/-0.000 χ^2/NDF: 47.8/38

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

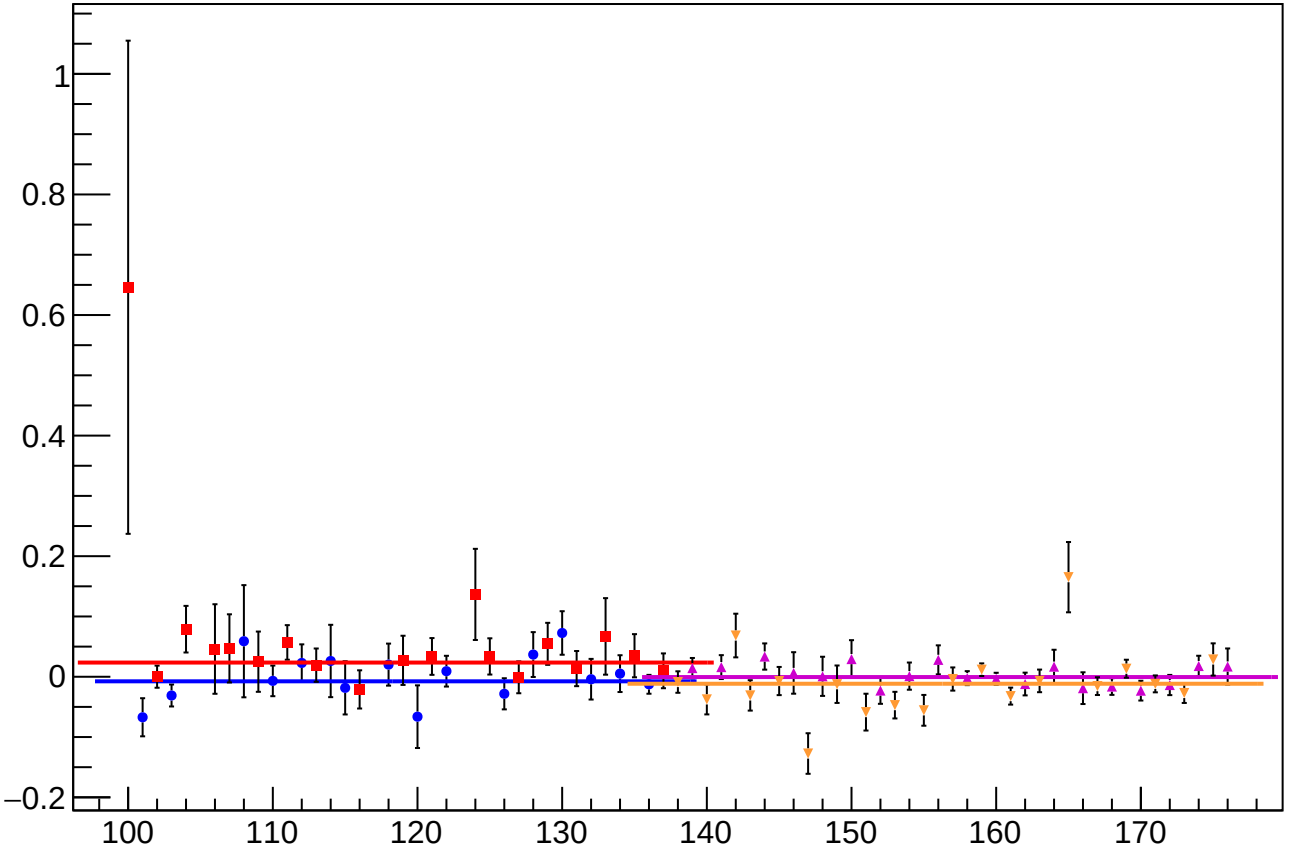
In: 0.000+/-0.000 χ^2/NDF:31.5/34

Out: 0.000+/-0.000 χ^2/NDF:48.3/38

All: 0.000+/-0.000 χ^2/NDF: 80.0/73


asym_sam_15_37_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: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1947353.7/19
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2555112.8/18
Left: 0.001+/-0.000 χ²/NDF: 4566012.1/38
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:4428181.0/34
Out: 0.001+/-0.000 χ²/NDF:7153608.7/38
All: 0.001+/-0.000 χ²/NDF: 11658024.0/73

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.3/38

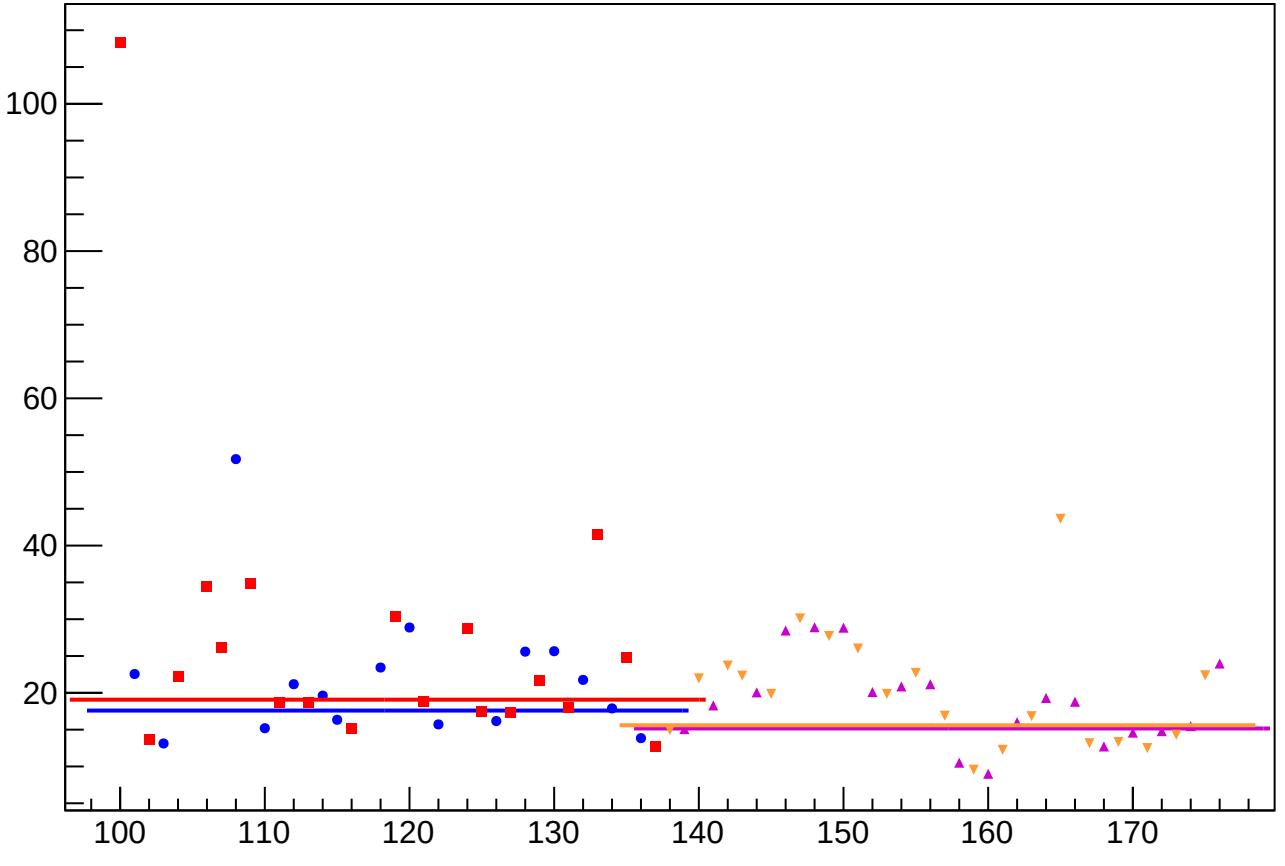
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.8/73

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: 15.596+/-0.003 χ^2/NDF:3177863.9/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

Left: 15.373+/-0.002 χ^2/NDF: 6134062.7/38

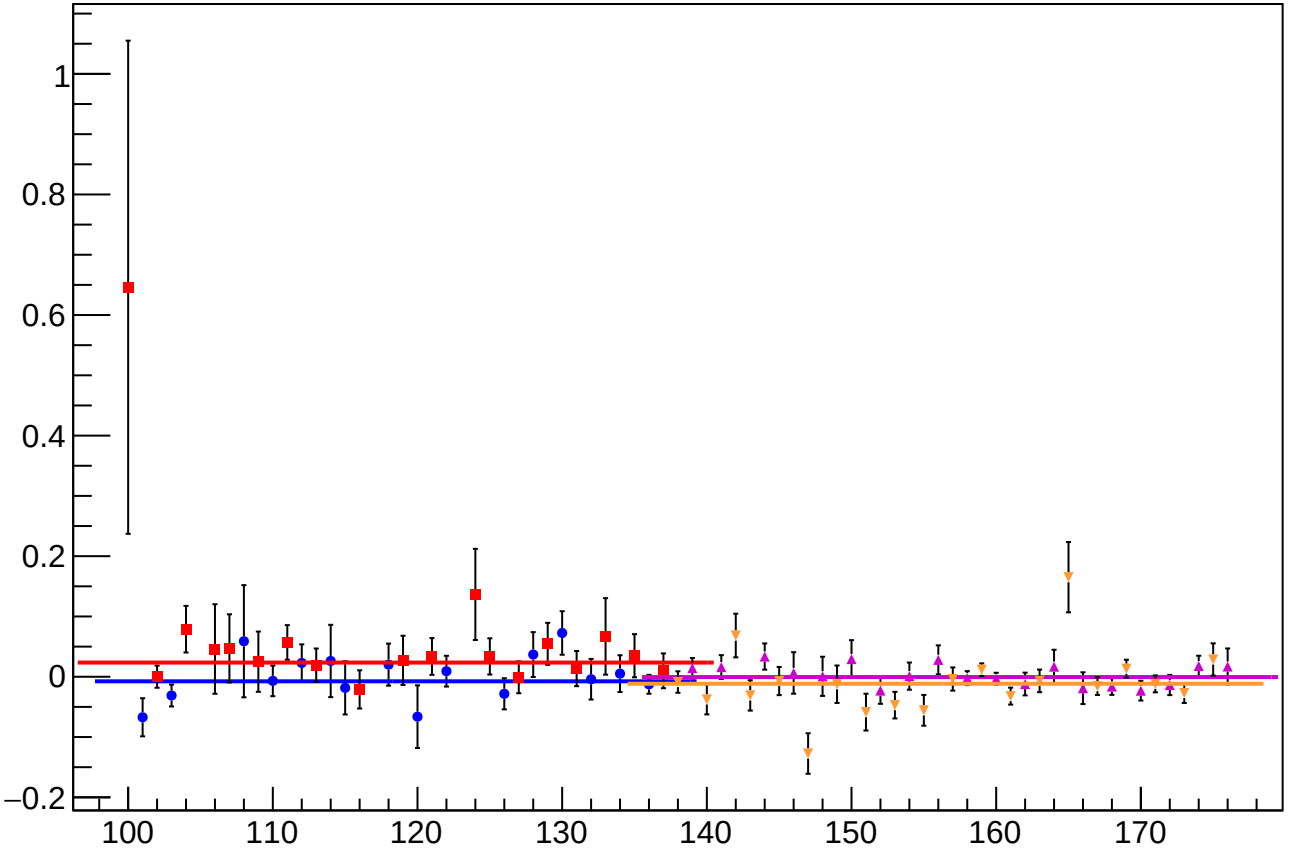
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.775+/-0.003 χ^2/NDF:4109276.3/34

Out: 16.408+/-0.003 χ^2/NDF:4734737.7/38

All: 16.081+/-0.002 χ^2/NDF: 8873511.0/73

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:48.9/19

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.3/38

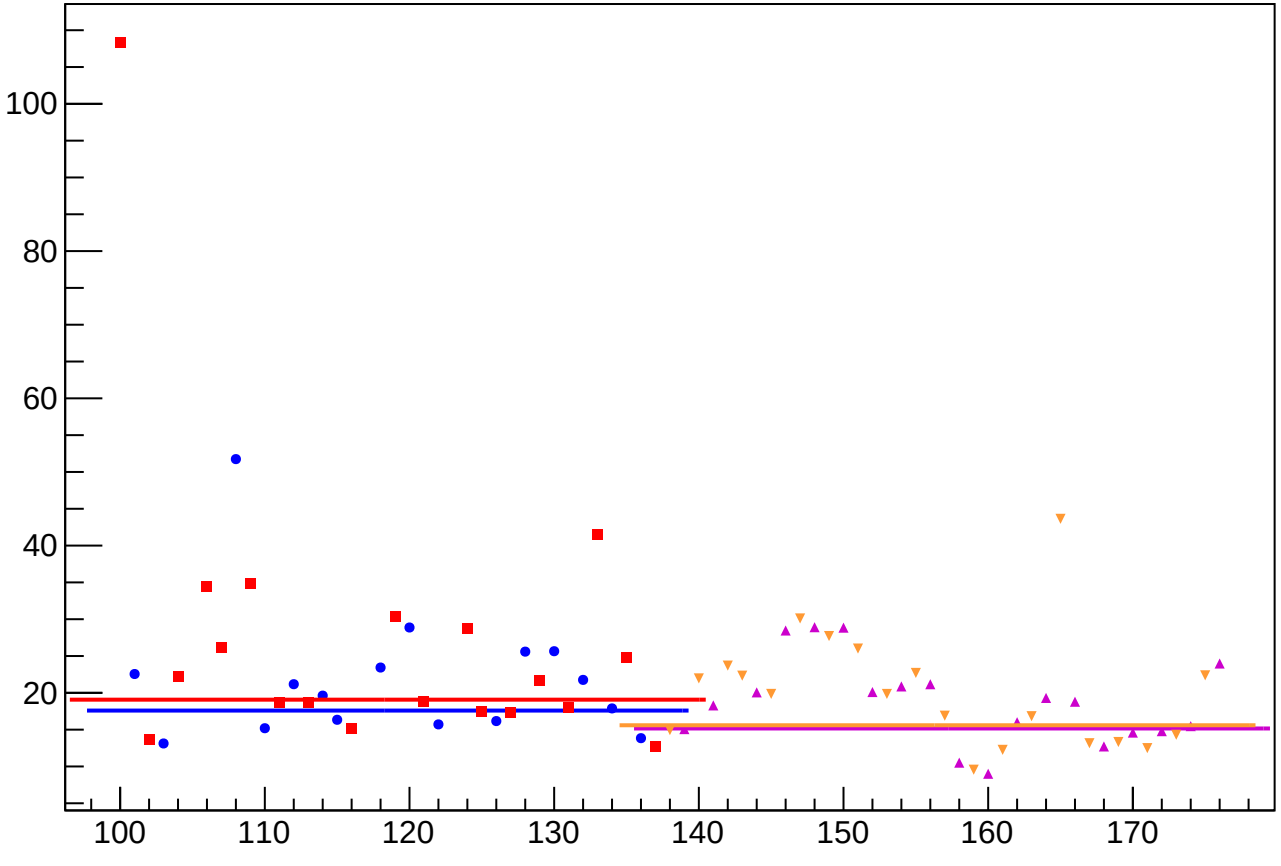
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.3/38

All: -0.003+/-0.003 χ^2/NDF: 110.8/73

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: 15.596+/-0.003 χ^2/NDF:3177863.9/19

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

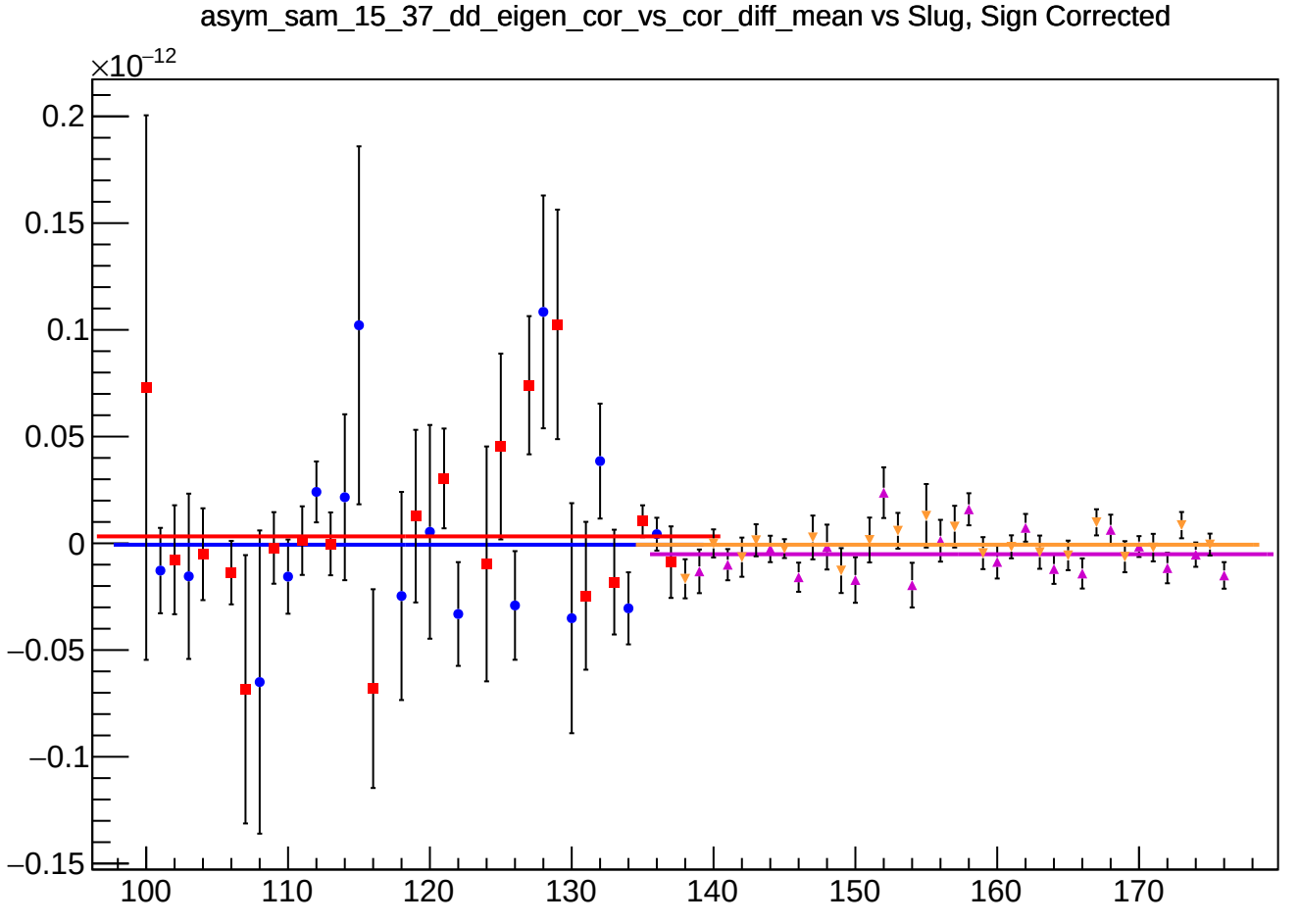
Left: 15.373+/-0.002 χ^2/NDF: 6134062.7/38

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.775+/-0.003 χ^2/NDF:4109276.3/34

Out: 16.408+/-0.003 χ^2/NDF:4734737.7/38

All: 16.081+/-0.002 χ^2/NDF: 8873511.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:34.1/18

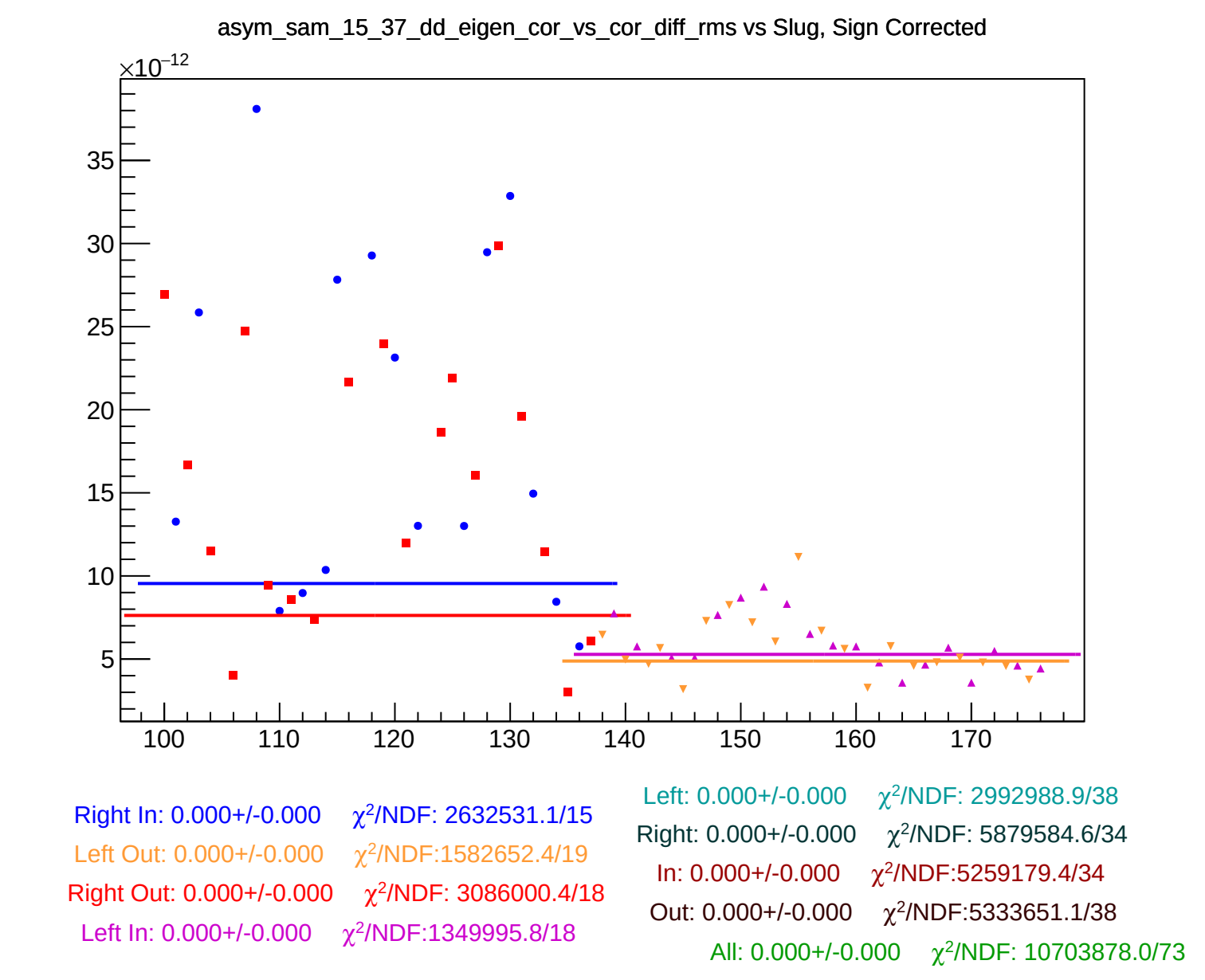
Left: -0.000+/-0.000 χ^2/NDF: 52.1/38

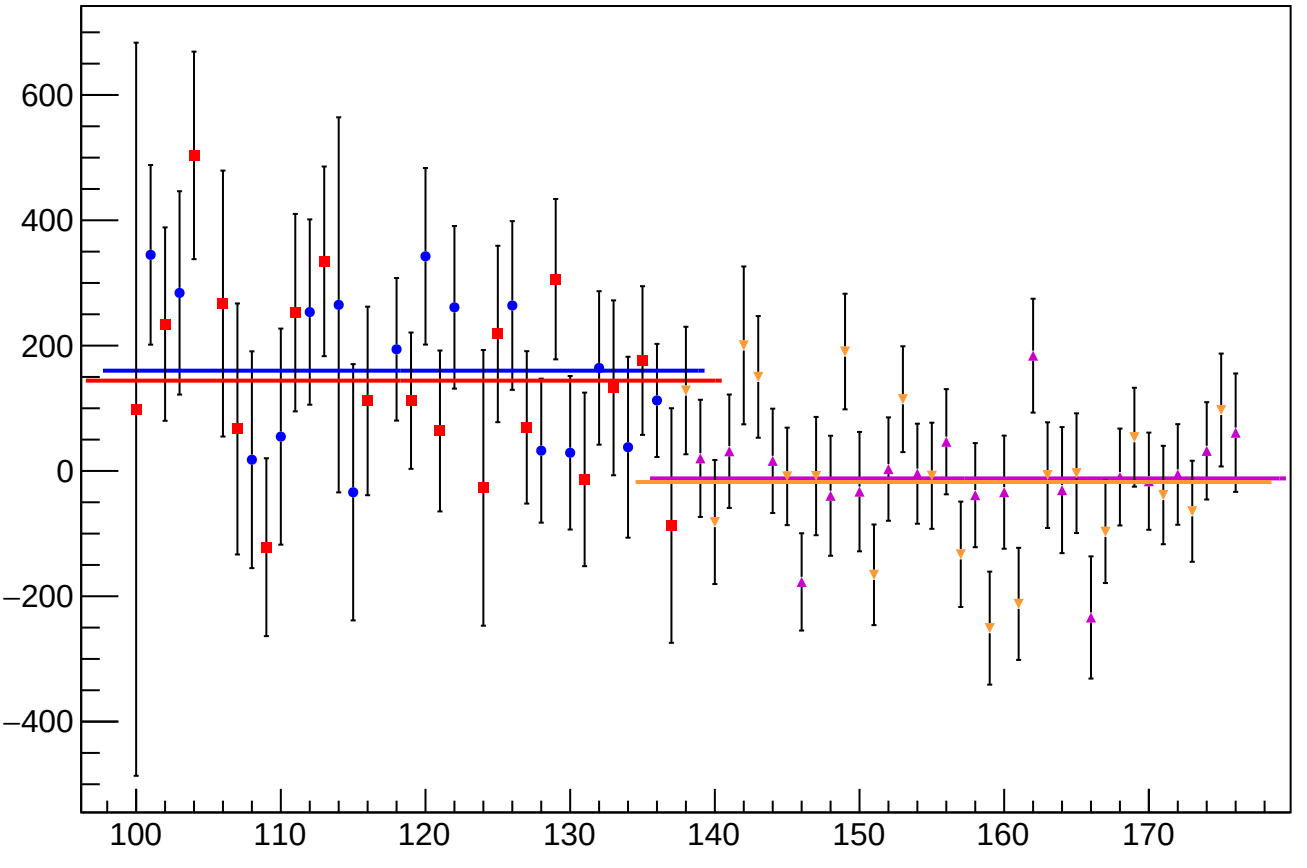
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:55.1/34

Out: -0.000+/-0.000 χ^2/NDF:34.1/38

All: -0.000+/-0.000 χ^2/NDF: 93.3/73


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1582652.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1349995.8/18
Left: 0.000+/-0.000 χ²/NDF: 2992988.9/38
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:5259179.4/34
Out: 0.000+/-0.000 χ²/NDF:5333651.1/38
All: 0.000+/-0.000 χ²/NDF: 10703878.0/73



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.622+/-19.664 χ^2/NDF:36.6/19

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -11.929+/-19.723 χ^2/NDF:16.6/18

Left: -14.784+/-13.925 χ^2/NDF: 53.2/38

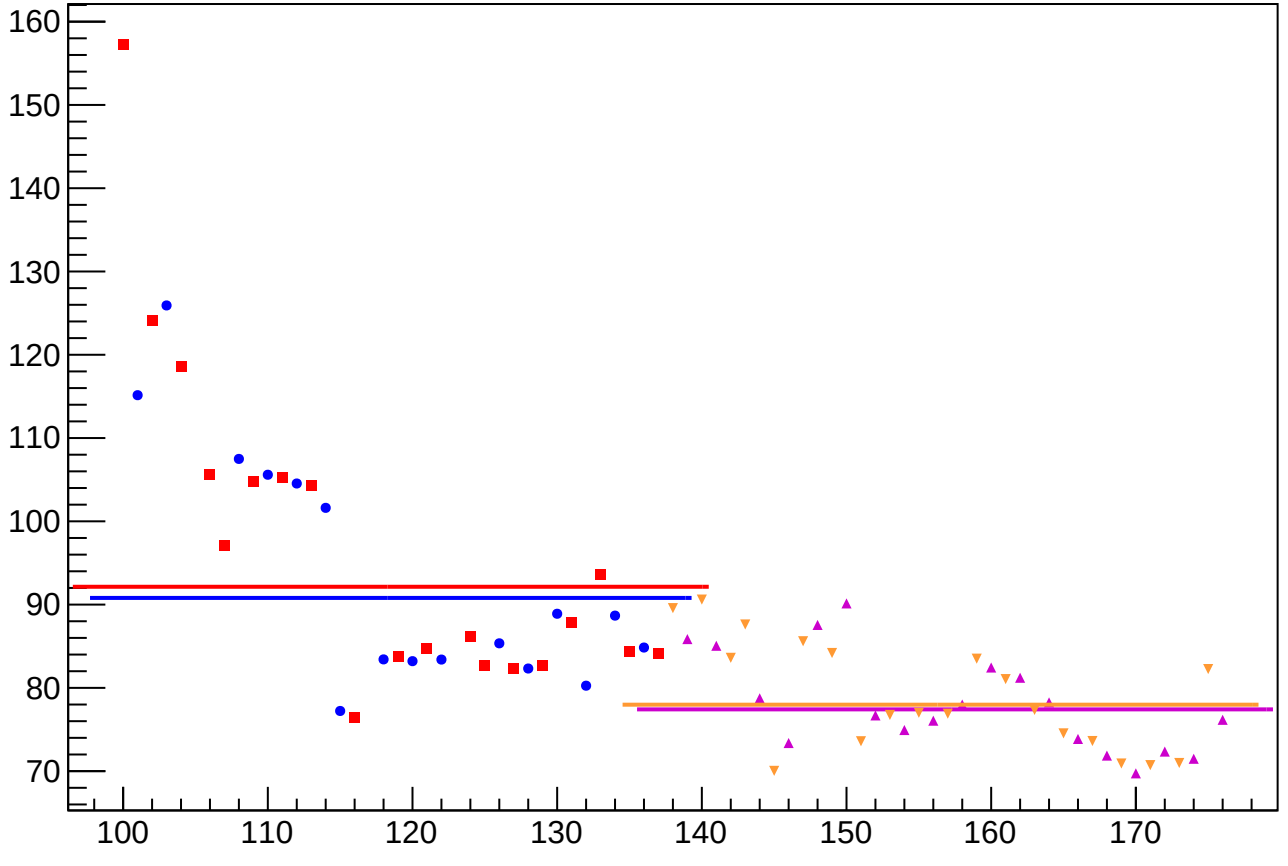
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 31.043+/-17.082 χ^2/NDF:46.7/34

Out: 22.538+/-17.049 χ^2/NDF:70.8/38

All: 26.782+/-12.067 χ^2/NDF: 117.5/73

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

Left: 77.700+/-0.010 χ^2/NDF: 363596.3/38

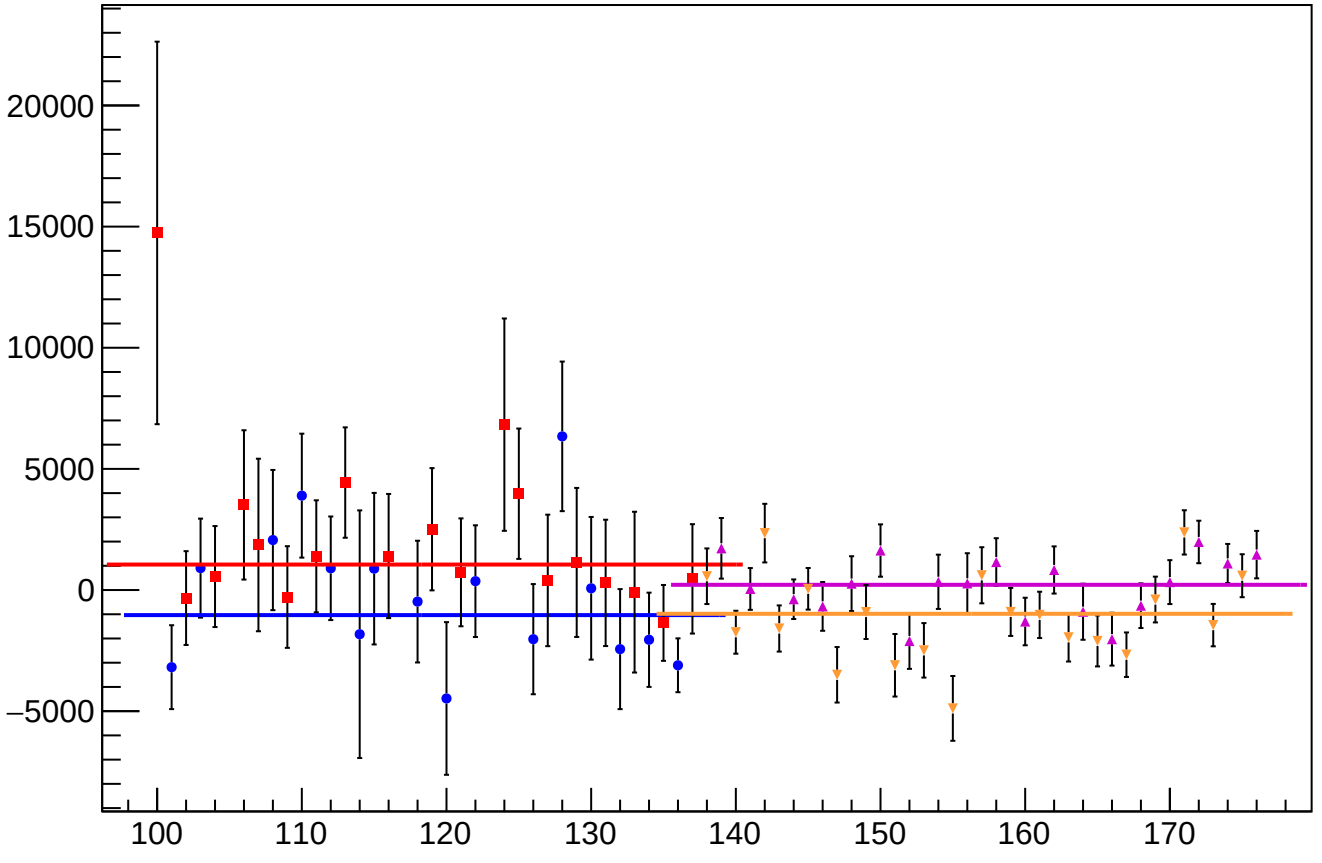
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.762+/-0.012 χ^2/NDF:662613.4/34

Out: 81.497+/-0.012 χ^2/NDF:762654.2/38

All: 81.130+/-0.009 χ^2/NDF: 1427123.8/73

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -981.038+/-226.247 χ^2/NDF:54.5/19

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 215.394+/-227.654 χ^2/NDF:25.2/18

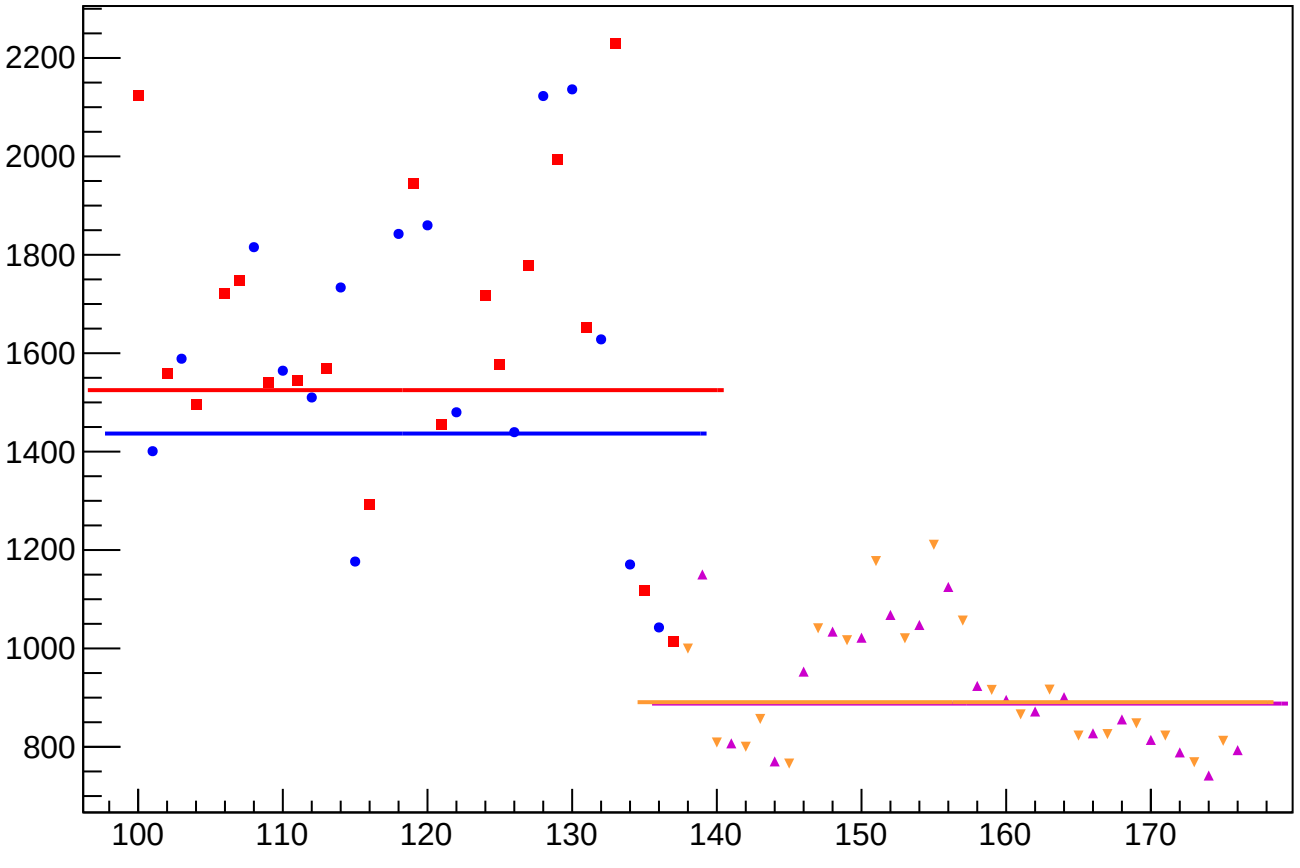
Left: -386.530+/-160.476 χ^2/NDF: 93.6/38

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: 32.615+/-210.358 χ^2/NDF:49.9/34

Out: -703.500+/-210.234 χ^2/NDF:78.4/38

All: -335.661+/-148.702 χ^2/NDF: 134.4/73



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 890.782+/-0.160 χ^2/NDF:523806.5/19

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.3/18

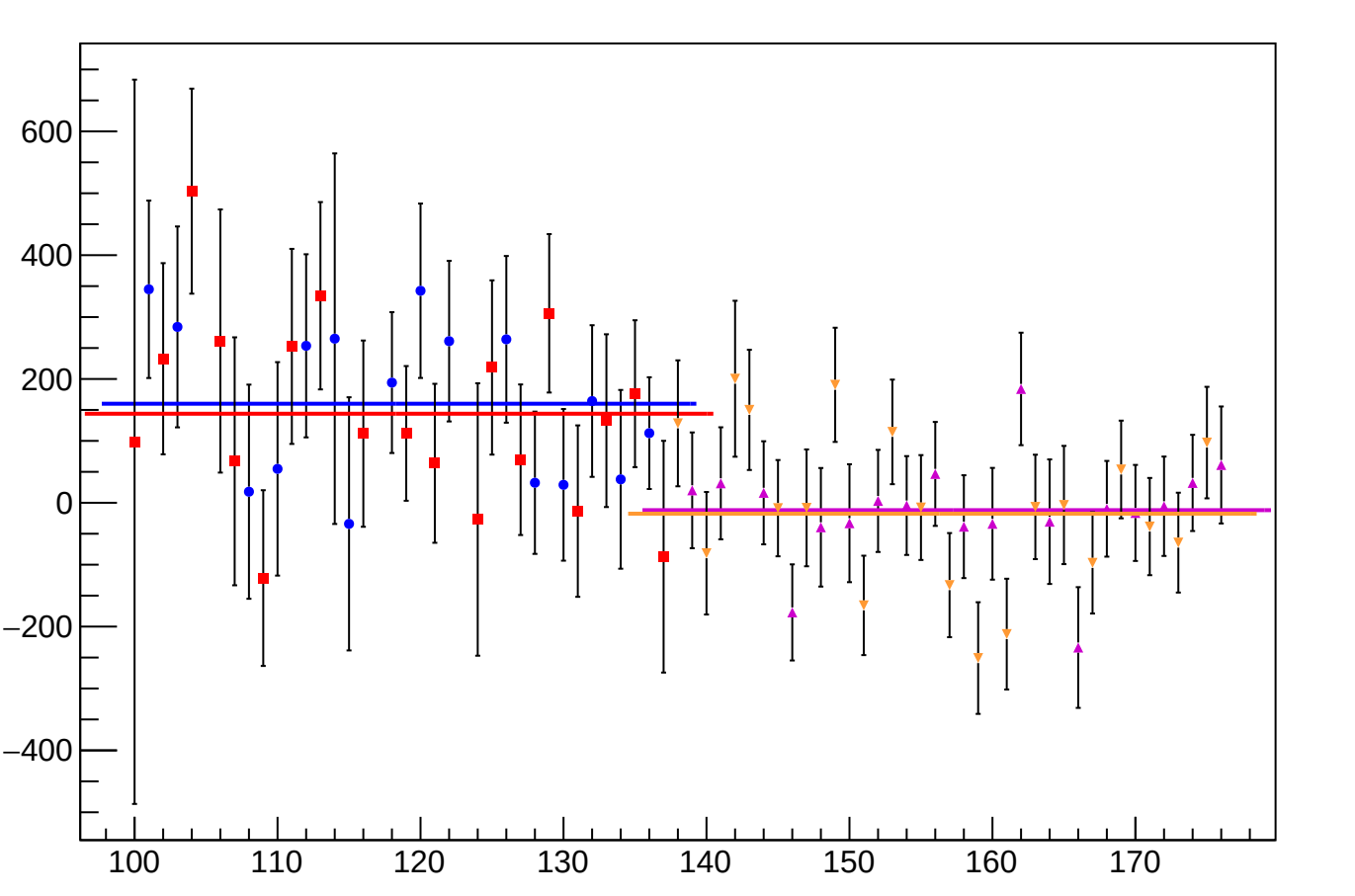
Left: 889.363+/-0.113 χ^2/NDF: 1041085.2/38

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 968.147+/-0.149 χ^2/NDF:2891774.1/34

Out: 977.376+/-0.149 χ^2/NDF:3174027.2/38

All: 972.764+/-0.105 χ^2/NDF: 6067727.2/73



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -11.931+/-19.723 χ^2/NDF:16.6/18

Left: -14.785+/-13.925 χ^2/NDF: 53.2/38

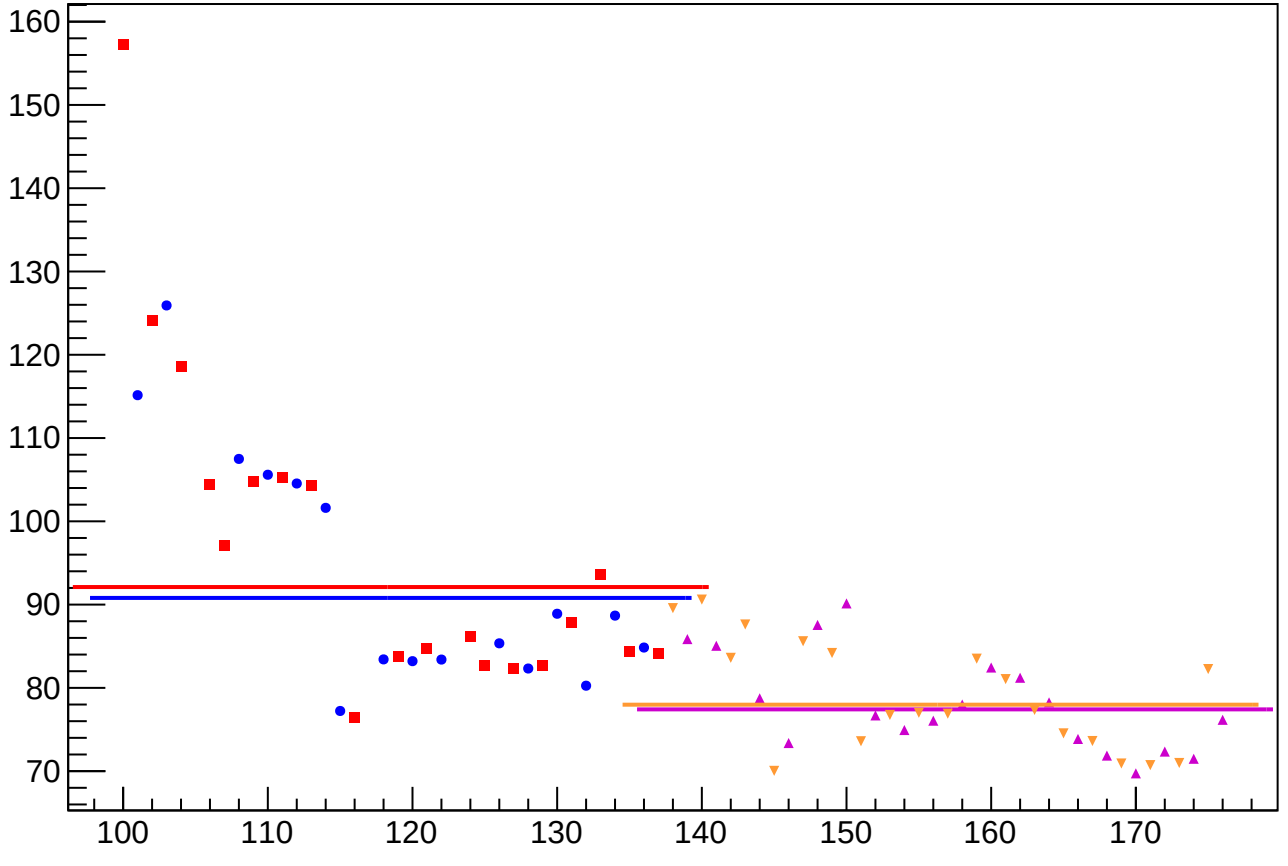
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 31.040+/-17.082 χ^2/NDF:46.7/34

Out: 22.472+/-17.049 χ^2/NDF:70.7/38

All: 26.748+/-12.067 χ^2/NDF: 117.4/73

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: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

Left: 77.700+/-0.010 χ^2/NDF: 363596.3/38

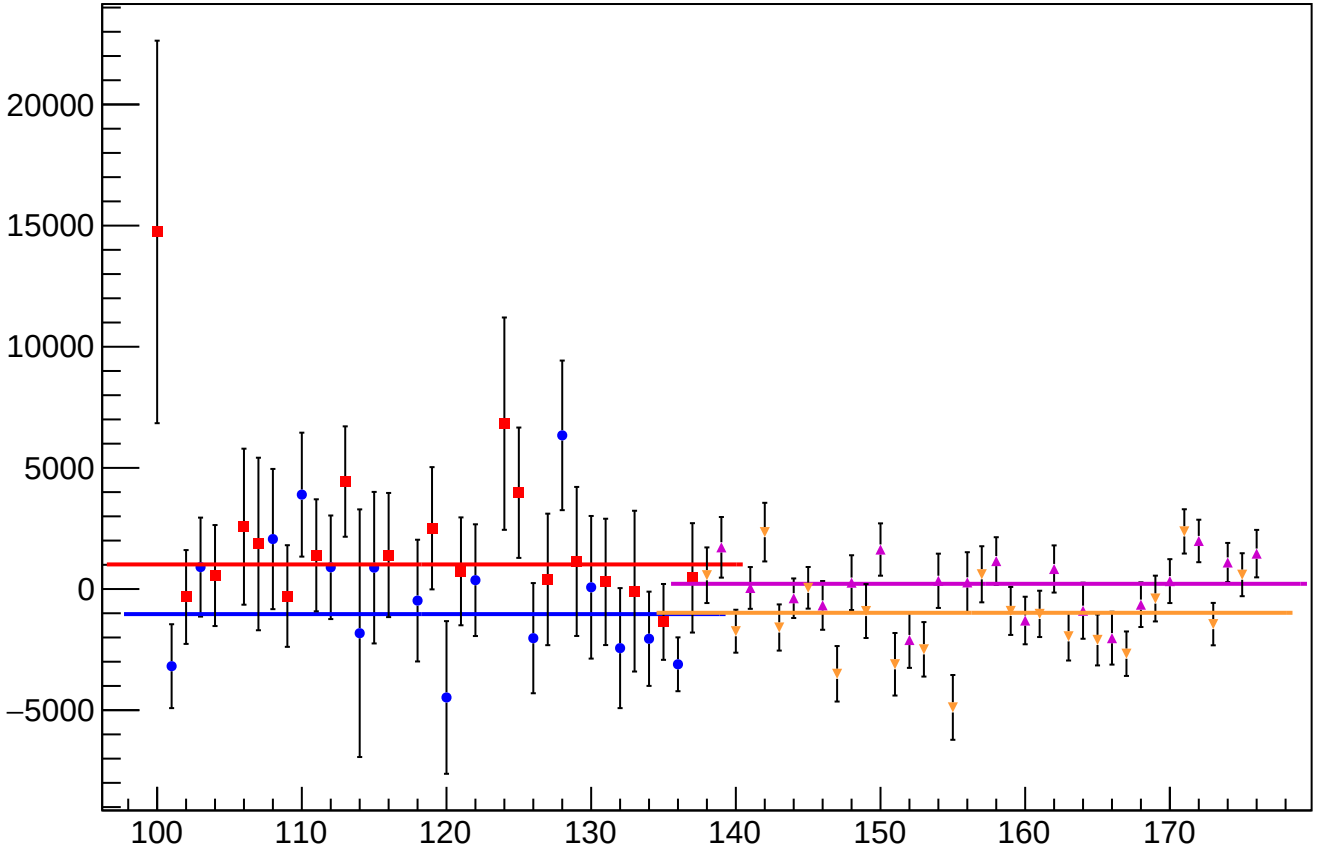
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.762+/-0.012 χ^2/NDF:662615.4/34

Out: 81.489+/-0.012 χ^2/NDF:760163.8/38

All: 81.126+/-0.009 χ^2/NDF: 1424592.5/73

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 215.395+/-227.654 χ^2/NDF:25.2/18

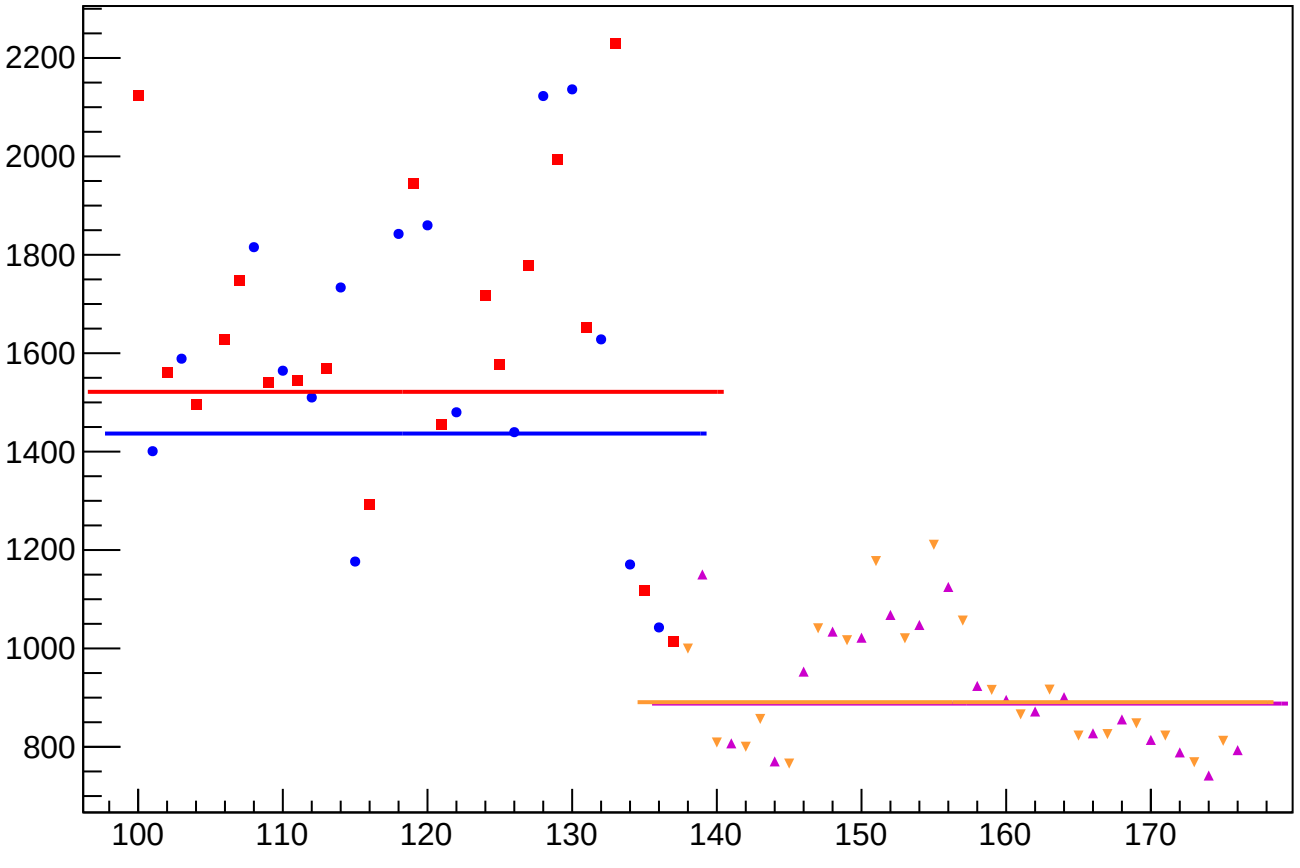
Left: -386.529+/-160.476 χ^2/NDF: 93.6/38

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 32.620+/-210.359 χ^2/NDF:49.9/34

Out: -709.123+/-210.276 χ^2/NDF:77.6/38

All: -338.397+/-148.717 χ^2/NDF: 133.7/73



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

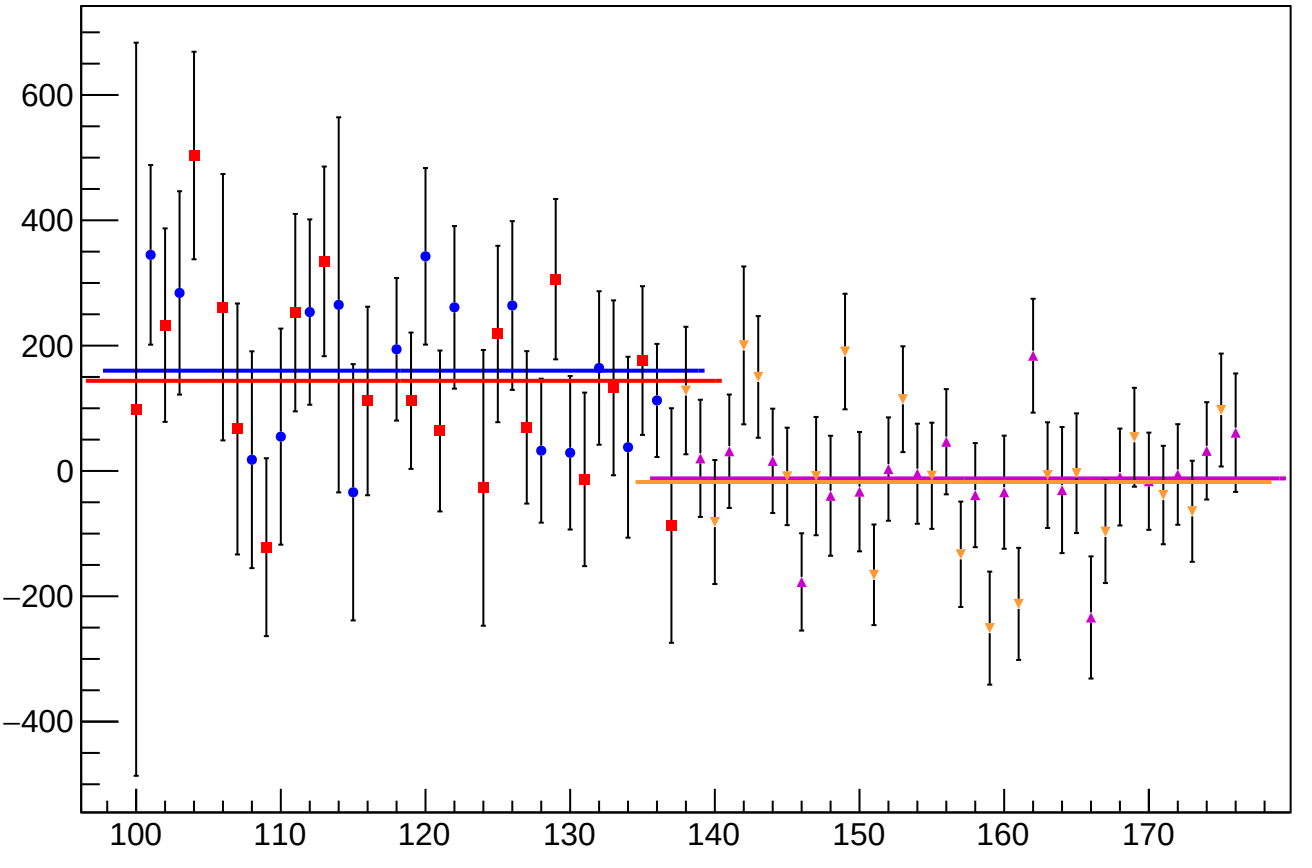
Left: 889.363+/-0.113 χ^2/NDF: 1041086.3/38

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 968.147+/-0.149 χ^2/NDF:2891794.5/34

Out: 976.685+/-0.149 χ^2/NDF:3139097.7/38

All: 972.418+/-0.105 χ^2/NDF: 6032540.0/73



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -17.621+/-19.664 χ^2/NDF:36.6/19

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -11.931+/-19.723 χ^2/NDF:16.6/18

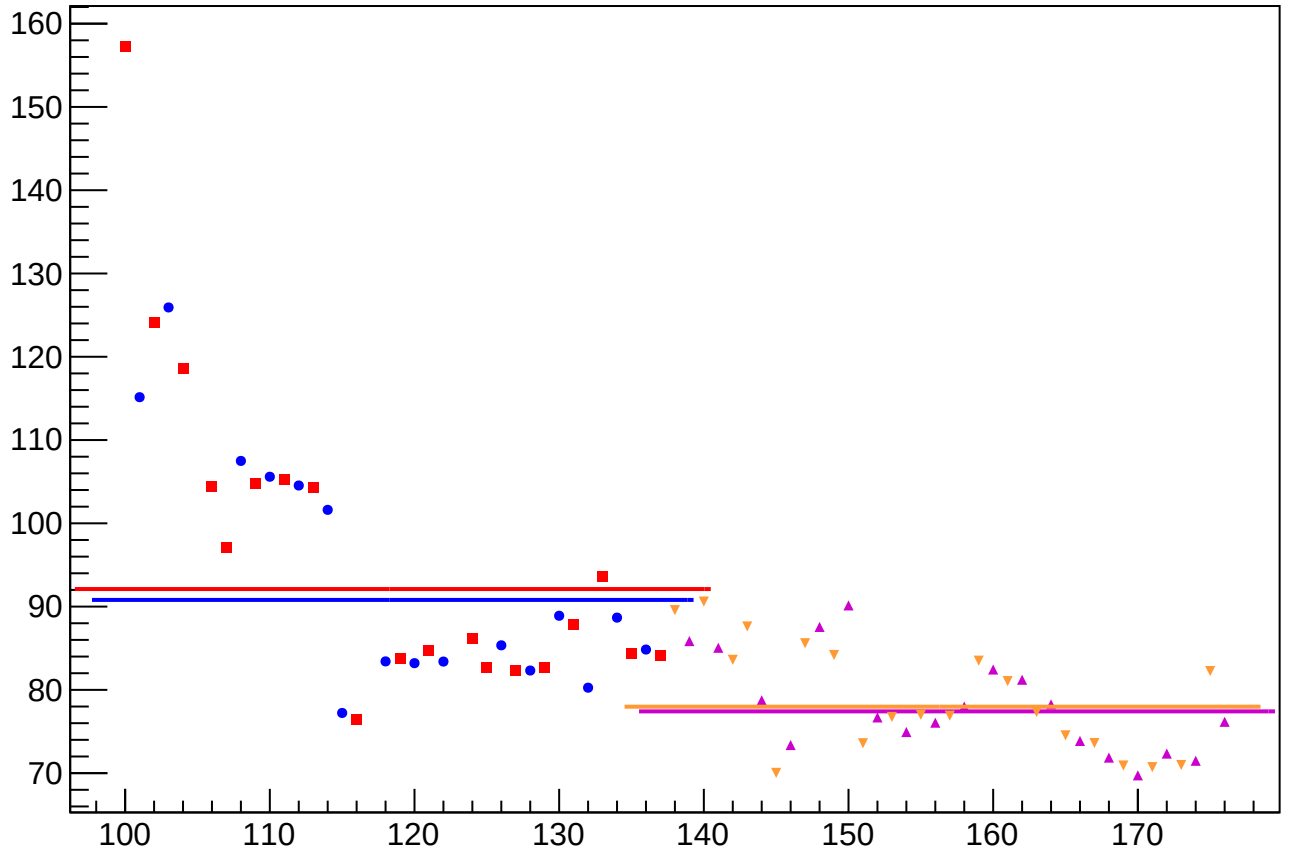
Left: -14.785+/-13.925 χ^2/NDF: 53.2/38

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 31.040+/-17.082 χ^2/NDF:46.7/34

Out: 22.472+/-17.049 χ^2/NDF:70.7/38

All: 26.748+/-12.067 χ^2/NDF: 117.4/73



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.981+/-0.014 χ^2/NDF:203106.1/19

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

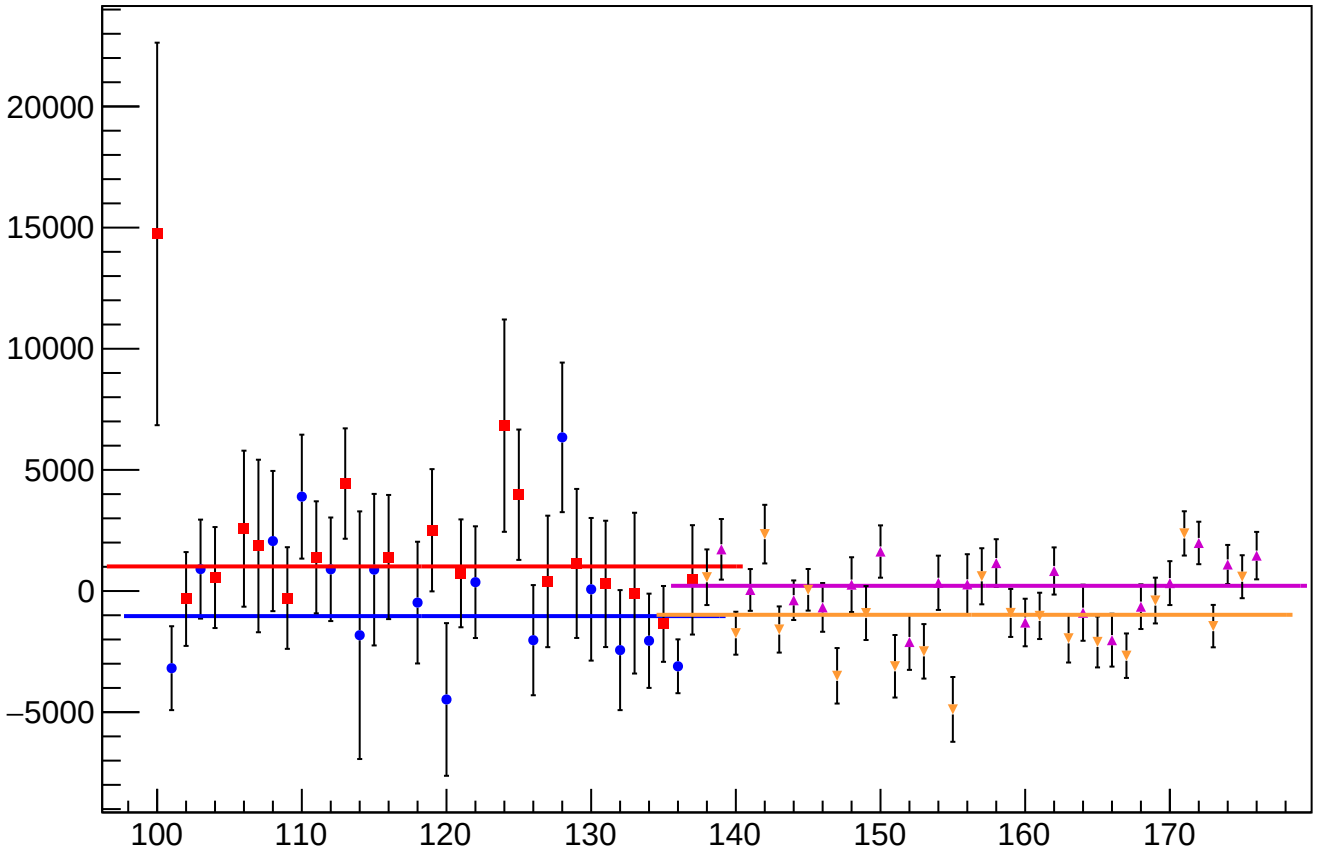
Left: 77.700+/-0.010 χ^2/NDF: 363596.3/38

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.762+/-0.012 χ^2/NDF:662615.4/34

Out: 81.489+/-0.012 χ^2/NDF:760163.8/38

All: 81.126+/-0.009 χ^2/NDF: 1424592.5/73



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -981.035+/-226.247 χ^2/NDF:54.5/19

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 215.395+/-227.654 χ^2/NDF:25.2/18

Left: -386.529+/-160.476 χ^2/NDF: 93.6/38

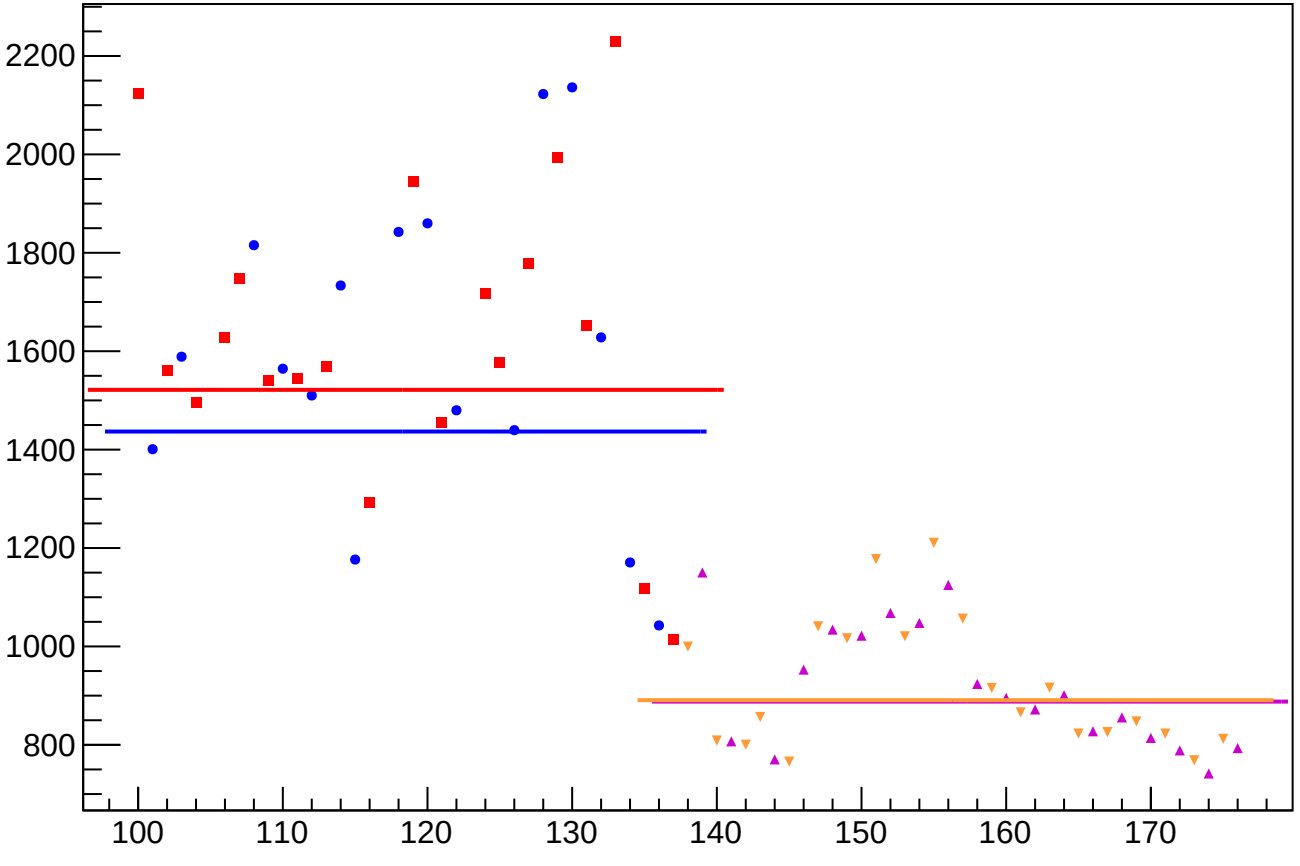
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 32.620+/-210.359 χ^2/NDF:49.9/34

Out: -709.123+/-210.276 χ^2/NDF:77.6/38

All: -338.397+/-148.717 χ^2/NDF: 133.7/73

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: 890.782+/-0.160 χ^2/NDF:523807.8/19

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

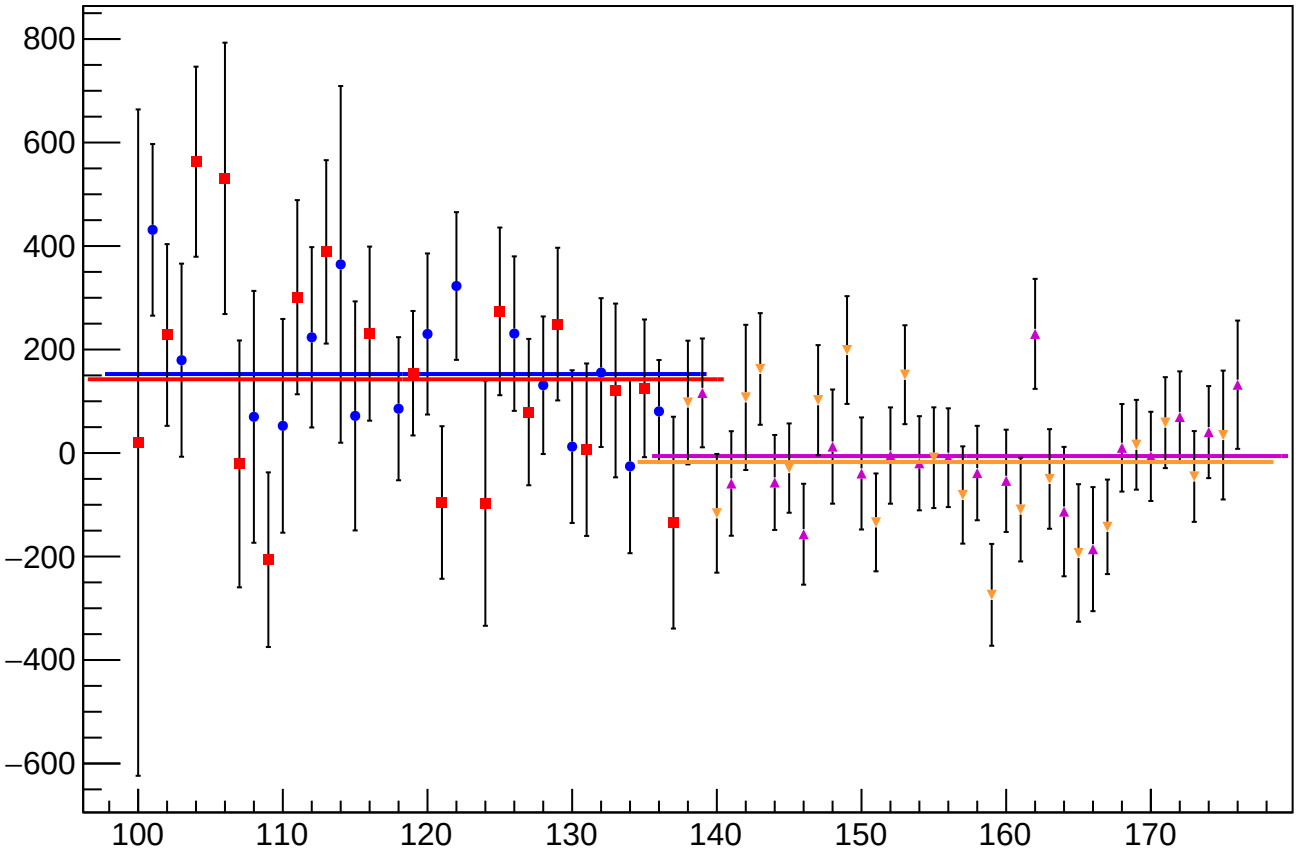
Left: 889.363+/-0.113 χ^2/NDF: 1041086.3/38

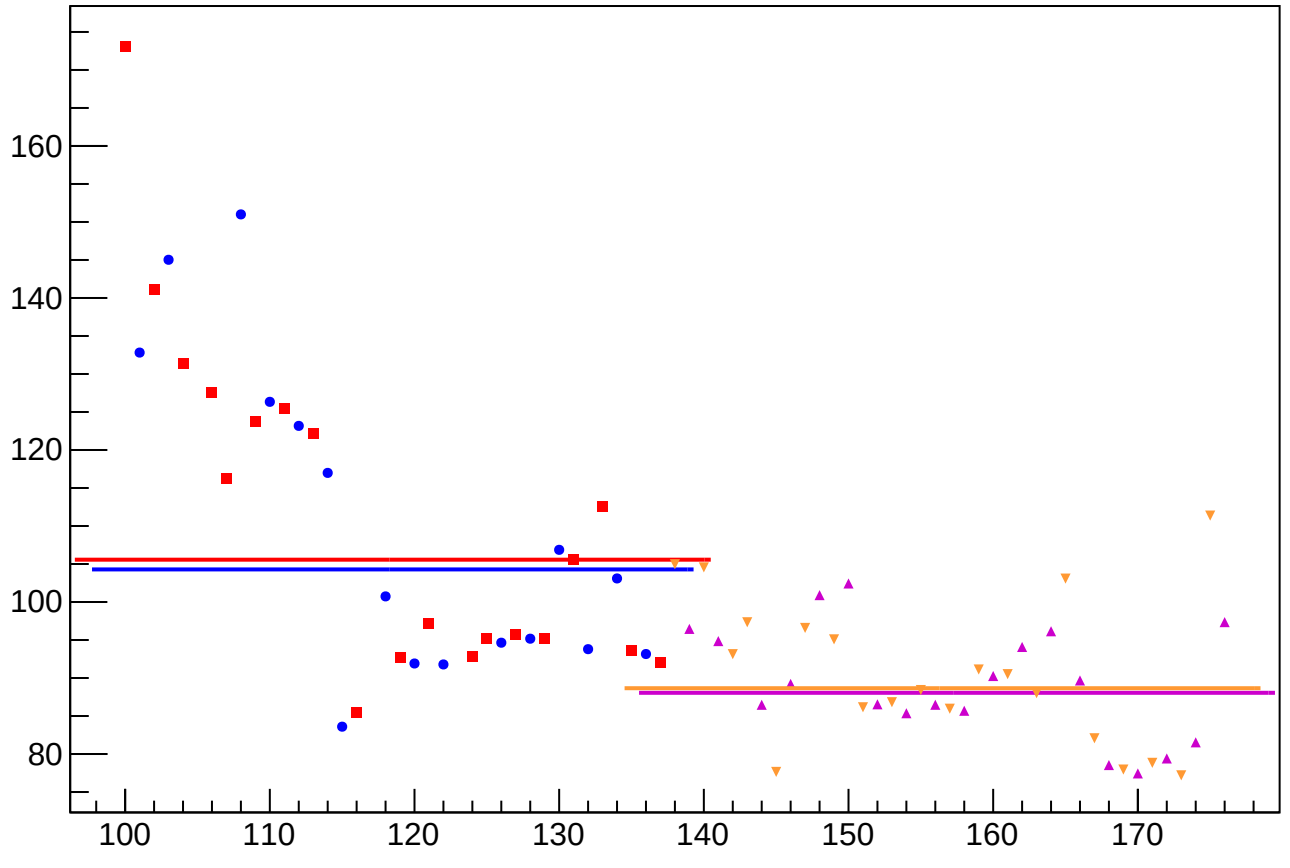
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 968.147+/-0.149 χ^2/NDF:2891794.5/34

Out: 976.685+/-0.149 χ^2/NDF:3139097.7/38

All: 972.418+/-0.105 χ^2/NDF: 6032540.0/73


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.287+/-22.463 χ²/NDF:28.5/19
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -5.869+/-22.560 χ²/NDF:15.0/18
Left: -11.603+/-15.918 χ²/NDF: 43.7/38
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 33.195+/-19.583 χ²/NDF:35.8/34
Out: 21.999+/-19.507 χ²/NDF:63.9/38
All: 27.575+/-13.820 χ²/NDF: 99.9/73



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.657+/-0.016 χ^2/NDF:337858.5/19

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

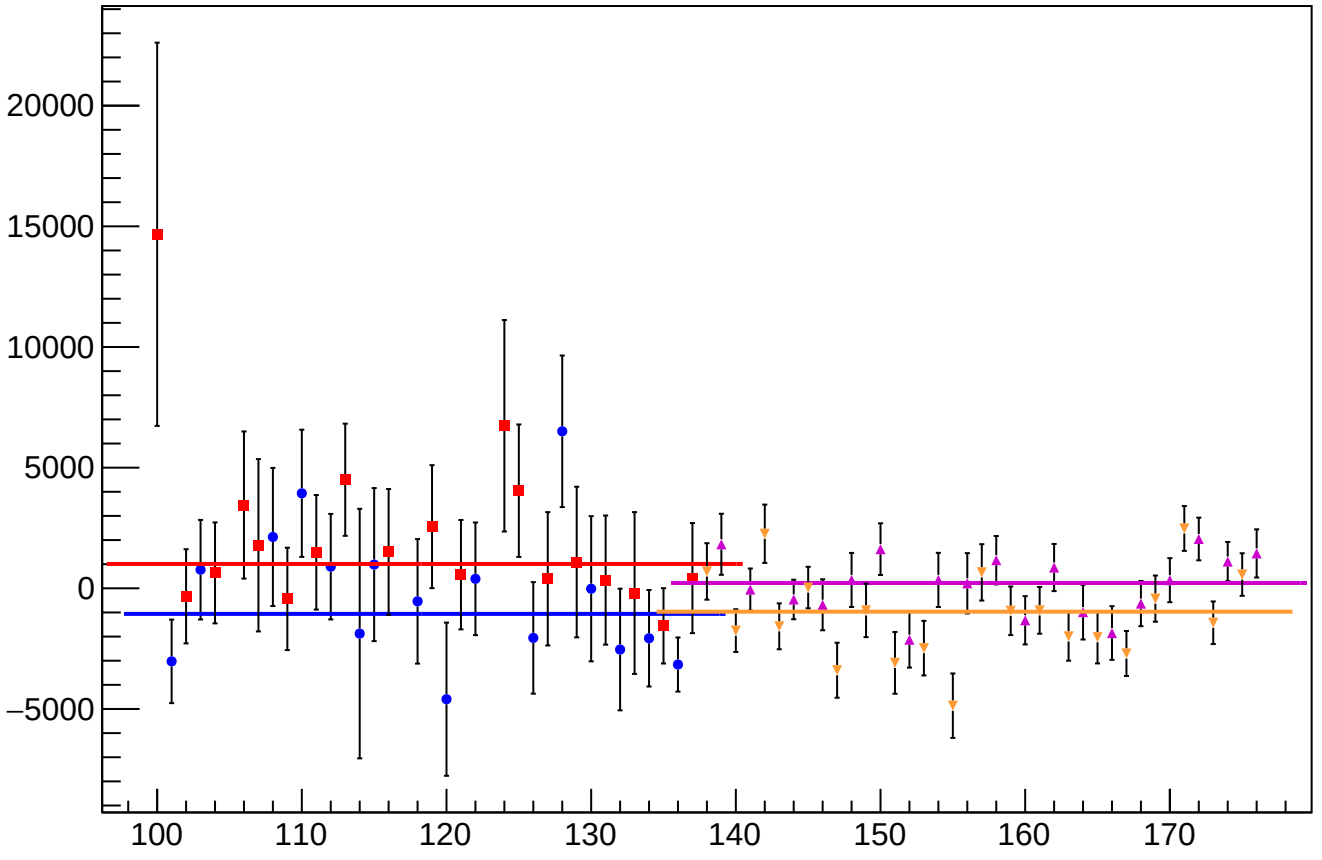
Left: 88.356+/-0.011 χ^2/NDF: 540812.6/38

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.053+/-0.014 χ^2/NDF:835788.0/34

Out: 92.815+/-0.014 χ^2/NDF:961160.7/38

All: 92.436+/-0.010 χ^2/NDF: 1798467.4/73



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 220.890+/-229.743 χ^2/NDF:25.1/18

Left: -378.969+/-161.748 χ^2/NDF: 92.7/38

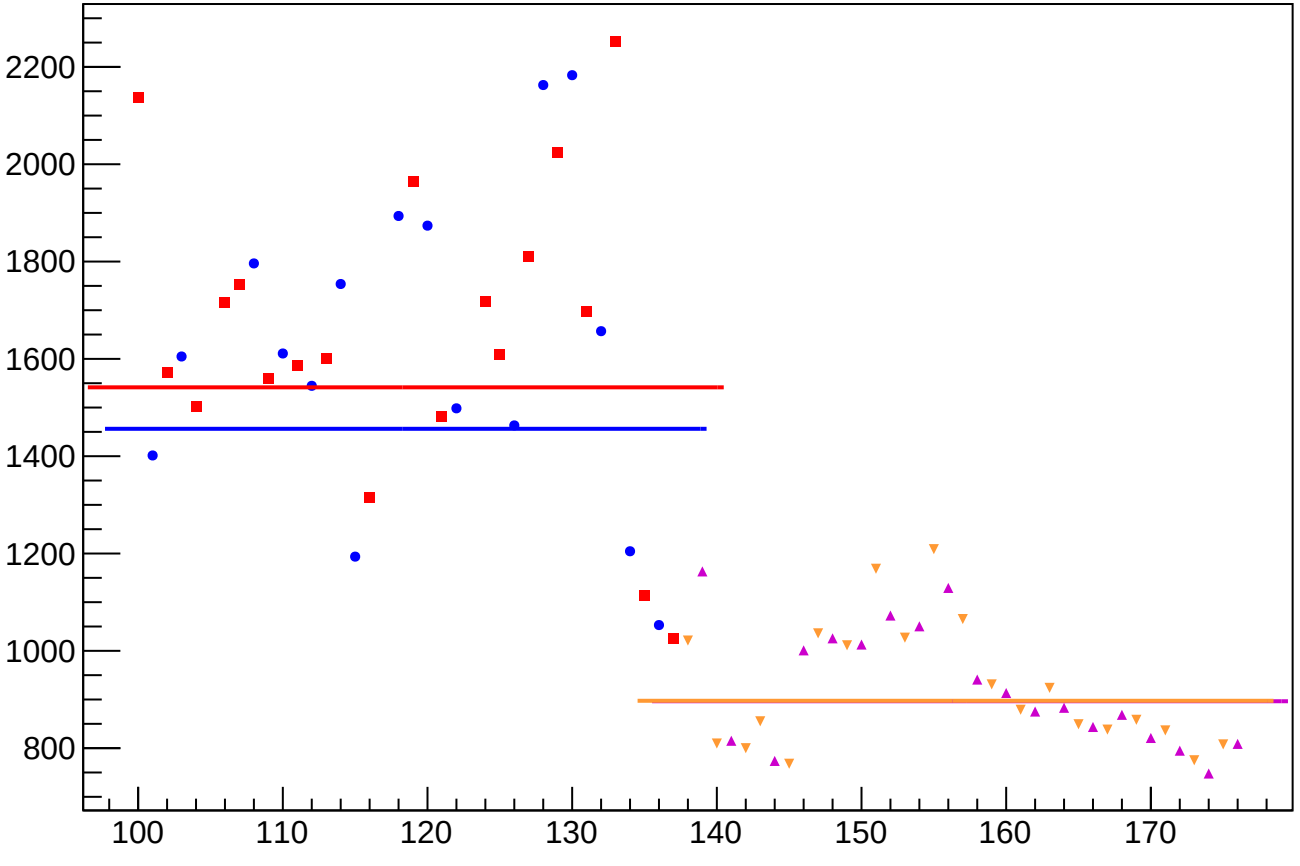
Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: 35.120+/-212.421 χ^2/NDF:49.7/34

Out: -700.293+/-211.761 χ^2/NDF:77.6/38

All: -333.732+/-149.970 χ^2/NDF: 133.3/73

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 897.378+/-0.161 χ^2/NDF:508821.6/19

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 896.419+/-0.162 χ^2/NDF:508957.3/18

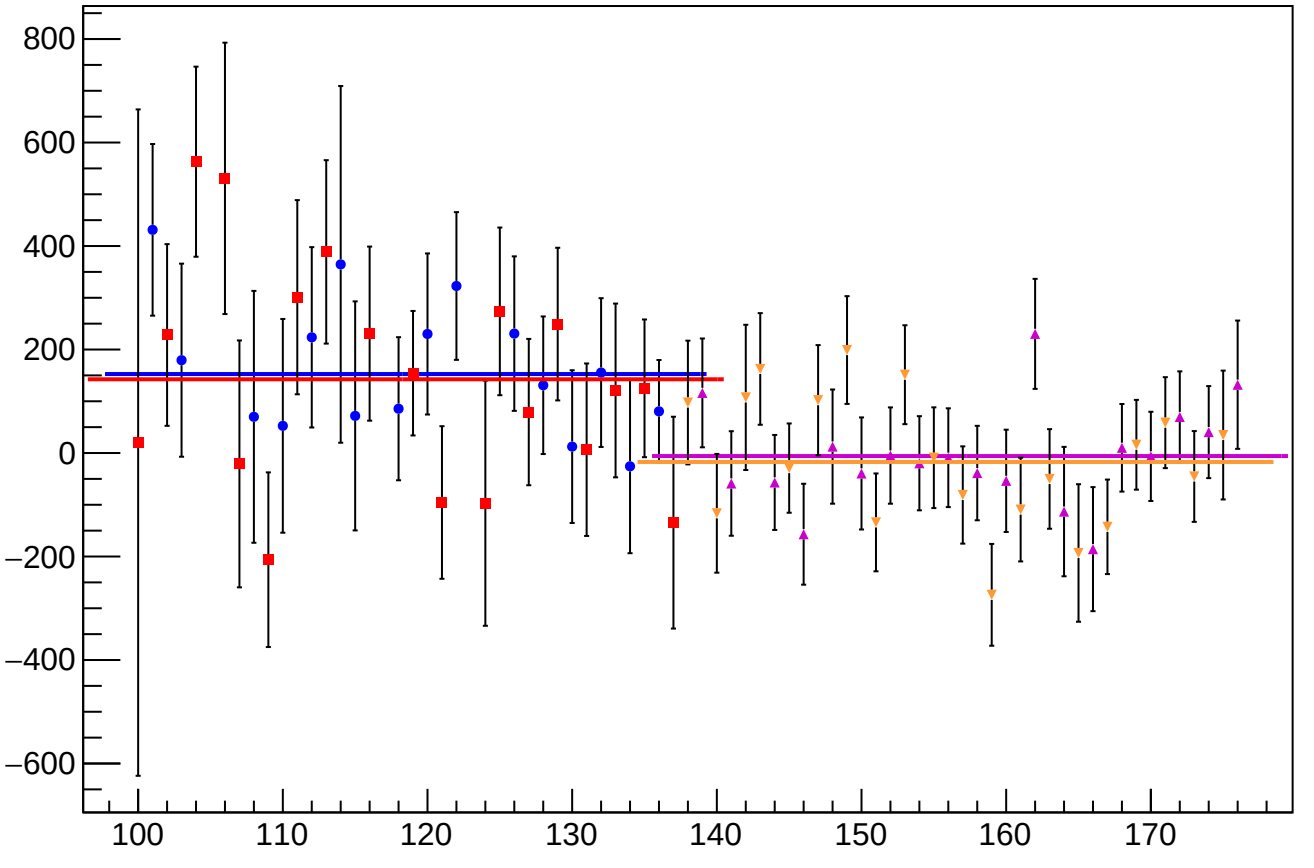
Left: 896.903+/-0.114 χ^2/NDF: 1017796.6/38

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 977.661+/-0.150 χ^2/NDF:2917316.3/34

Out: 984.713+/-0.150 χ^2/NDF:3197025.9/38

All: 981.198+/-0.106 χ^2/NDF: 6115447.8/73



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.287+/-22.463 χ^2/NDF:28.5/19

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -5.869+/-22.560 χ^2/NDF:15.0/18

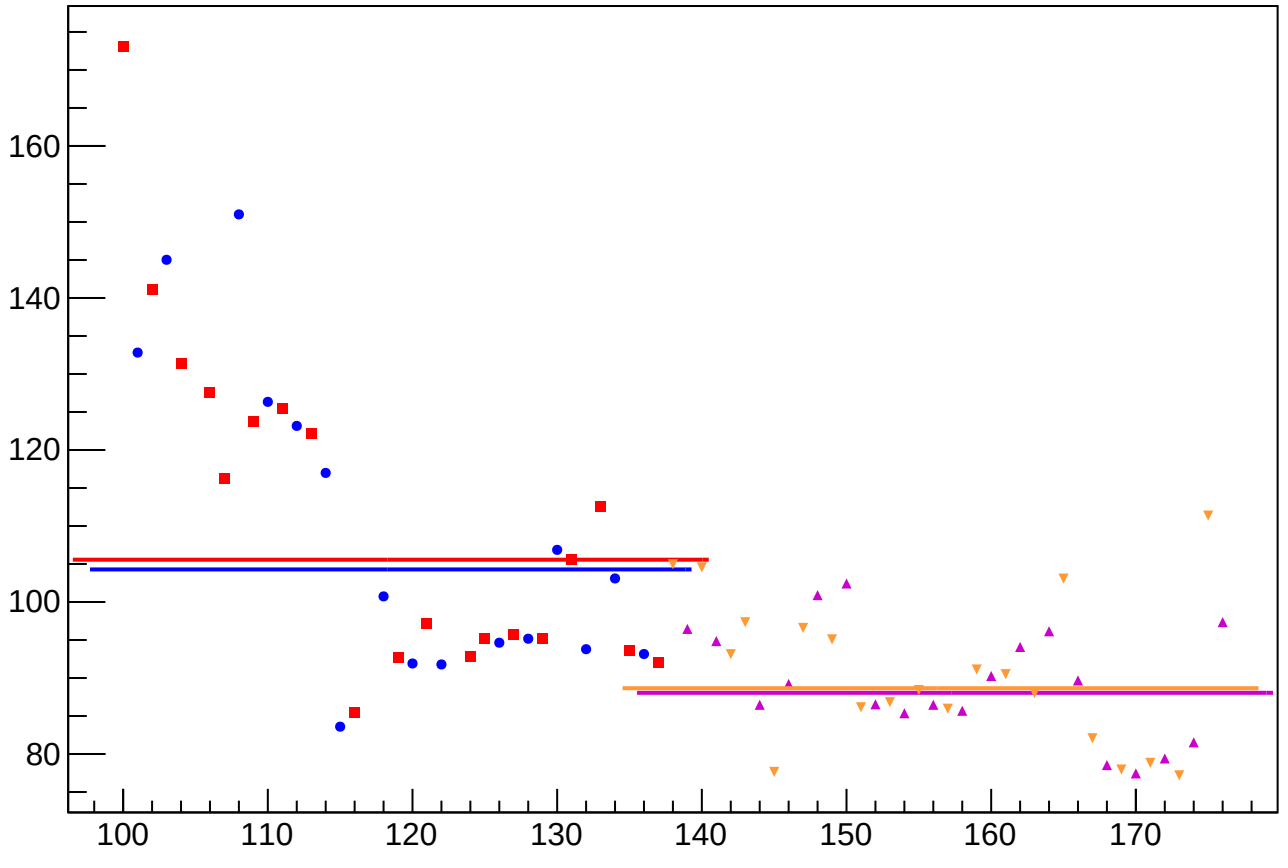
Left: -11.603+/-15.918 χ^2/NDF: 43.7/38

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 33.195+/-19.583 χ^2/NDF:35.8/34

Out: 21.999+/-19.507 χ^2/NDF:63.9/38

All: 27.575+/-13.820 χ^2/NDF: 99.9/73



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.657+/-0.016 χ^2/NDF:337856.8/19

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

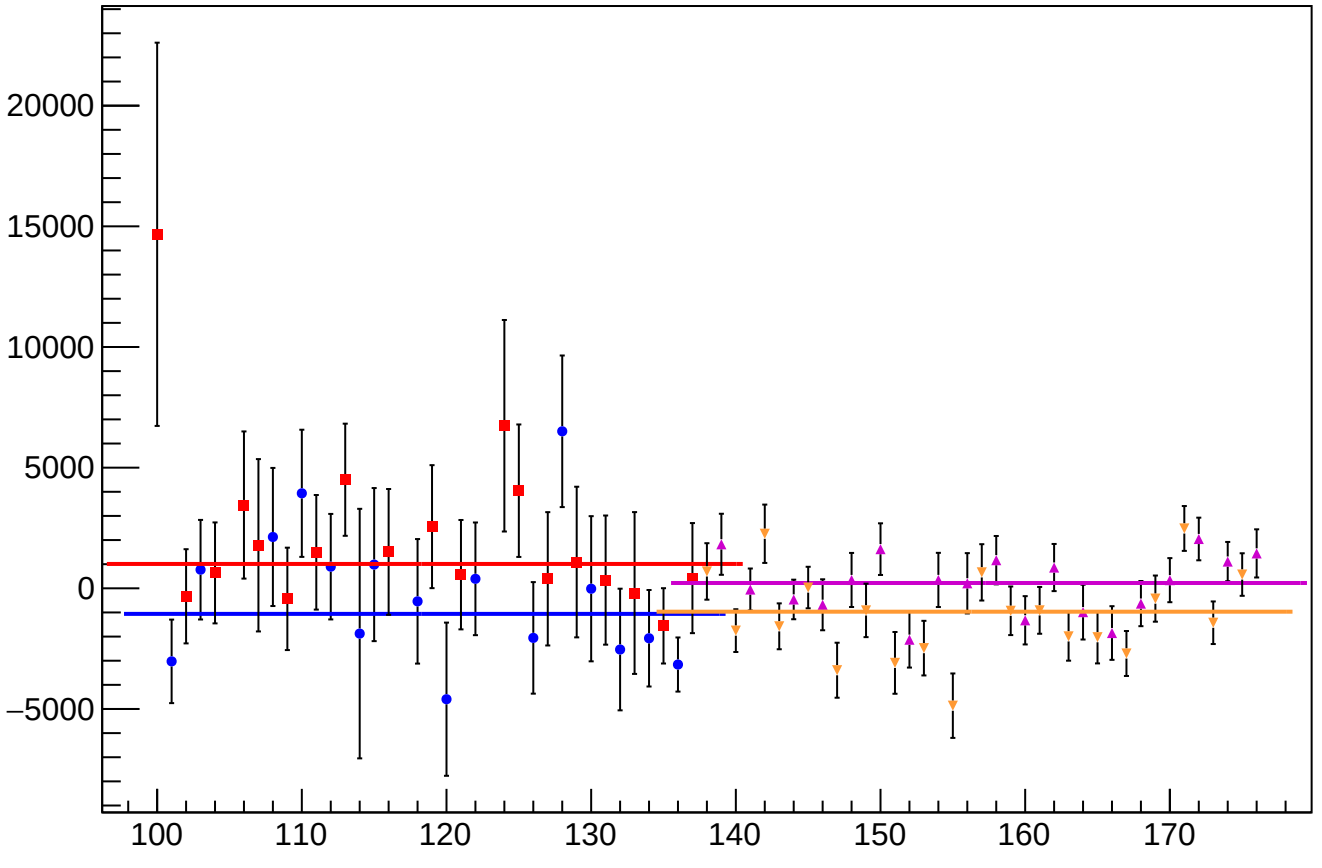
Left: 88.356+/-0.011 χ^2/NDF: 540811.1/38

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.053+/-0.014 χ^2/NDF:835762.8/34

Out: 92.815+/-0.014 χ^2/NDF:961134.0/38

All: 92.436+/-0.010 χ^2/NDF: 1798416.0/73



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -968.535+/-227.763 χ^2/NDF:54.1/19

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 220.888+/-229.743 χ^2/NDF:25.1/18

Left: -378.970+/-161.748 χ^2/NDF: 92.7/38

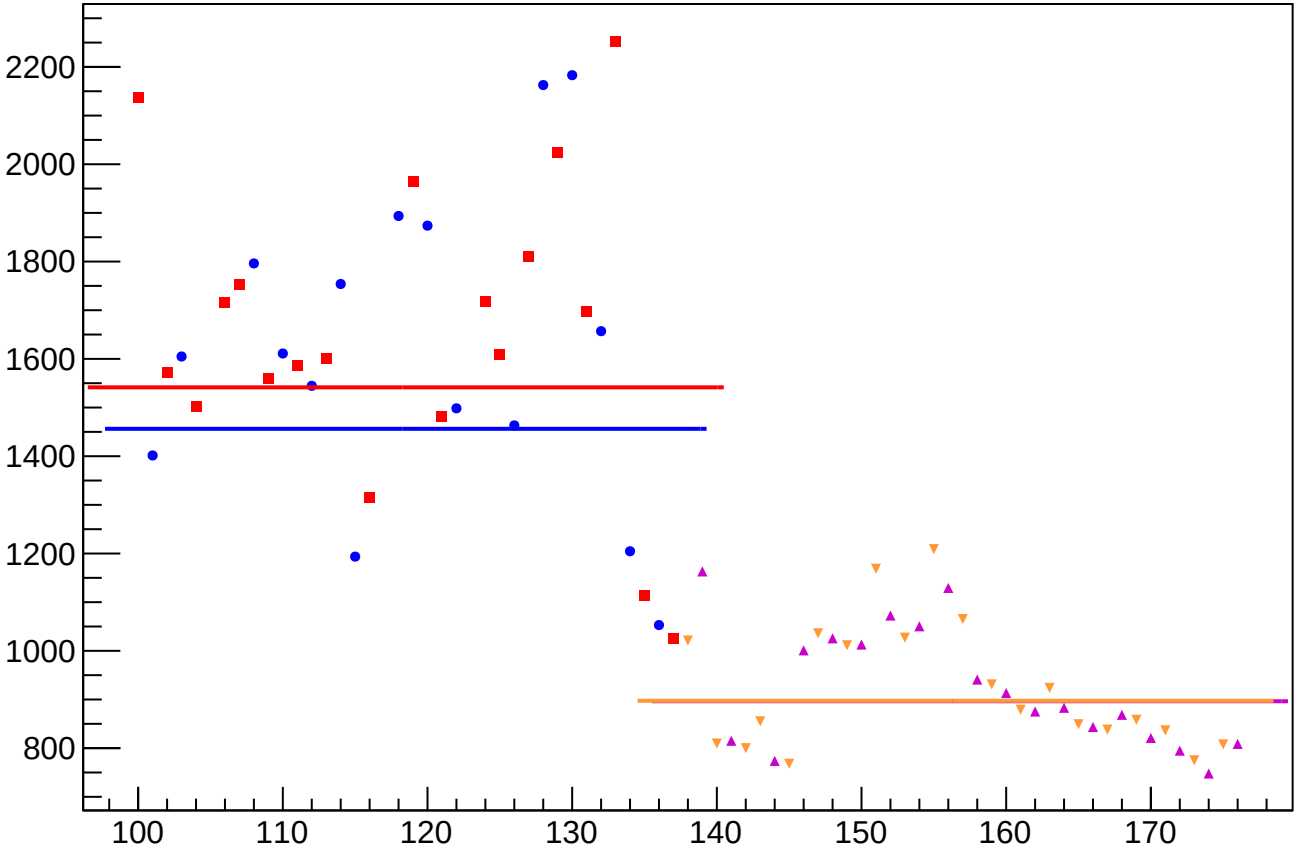
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: 35.119+/-212.421 χ^2/NDF:49.7/34

Out: -700.292+/-211.760 χ^2/NDF:77.6/38

All: -333.732+/-149.970 χ^2/NDF: 133.3/73

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: 897.378+/-0.161 χ^2/NDF:508822.1/19

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 896.418+/-0.162 χ^2/NDF:508956.4/18

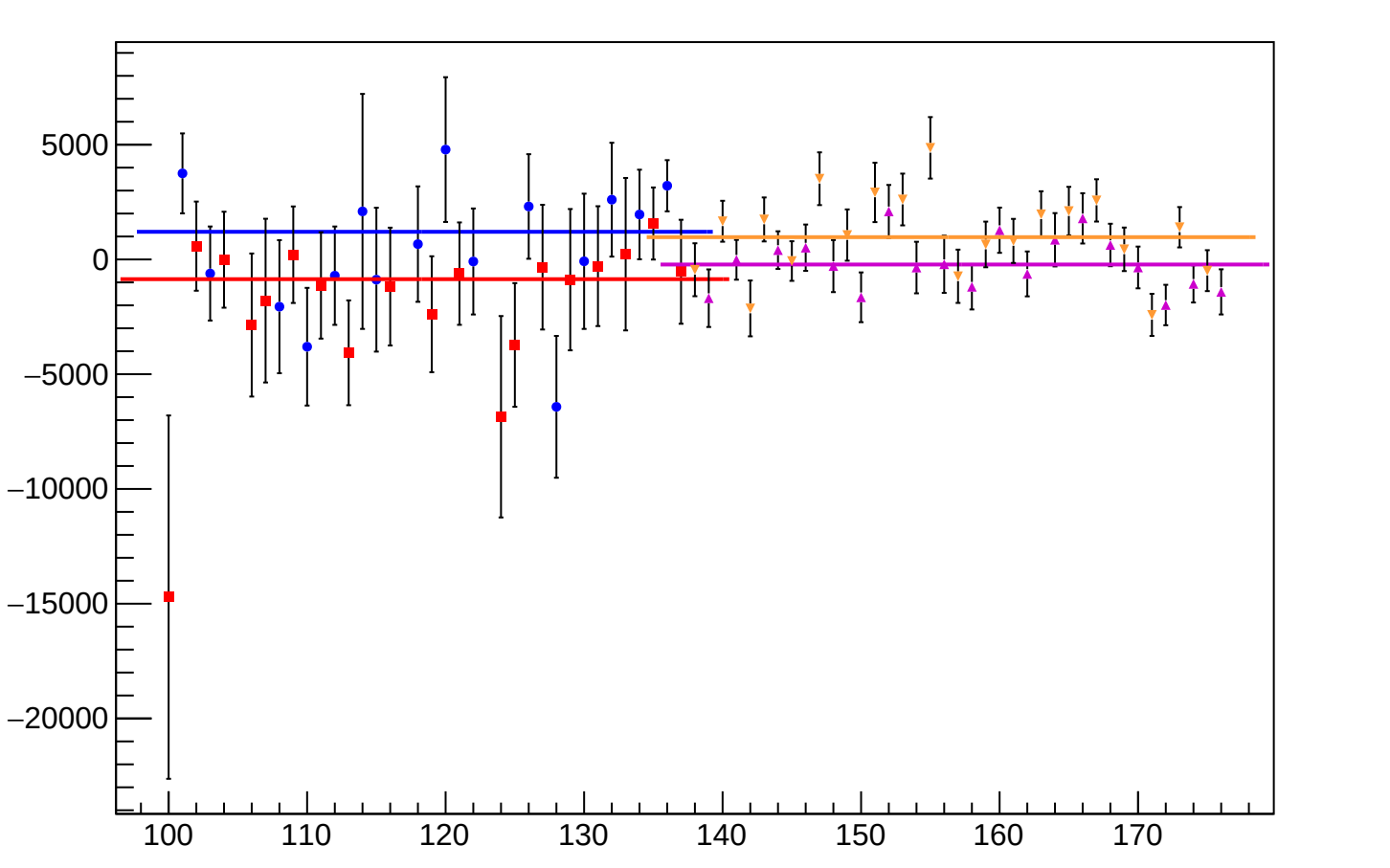
Left: 896.902+/-0.114 χ^2/NDF: 1017796.1/38

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 977.660+/-0.150 χ^2/NDF:2917306.4/34

Out: 984.712+/-0.150 χ^2/NDF:3197017.9/38

All: 981.197+/-0.106 χ^2/NDF: 6115430.0/73



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 971.613+/-227.188 χ^2/NDF:52.8/19

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -220.905+/-228.575 χ^2/NDF:23.4/18

Left: 378.983+/-161.134 χ^2/NDF: 89.9/38

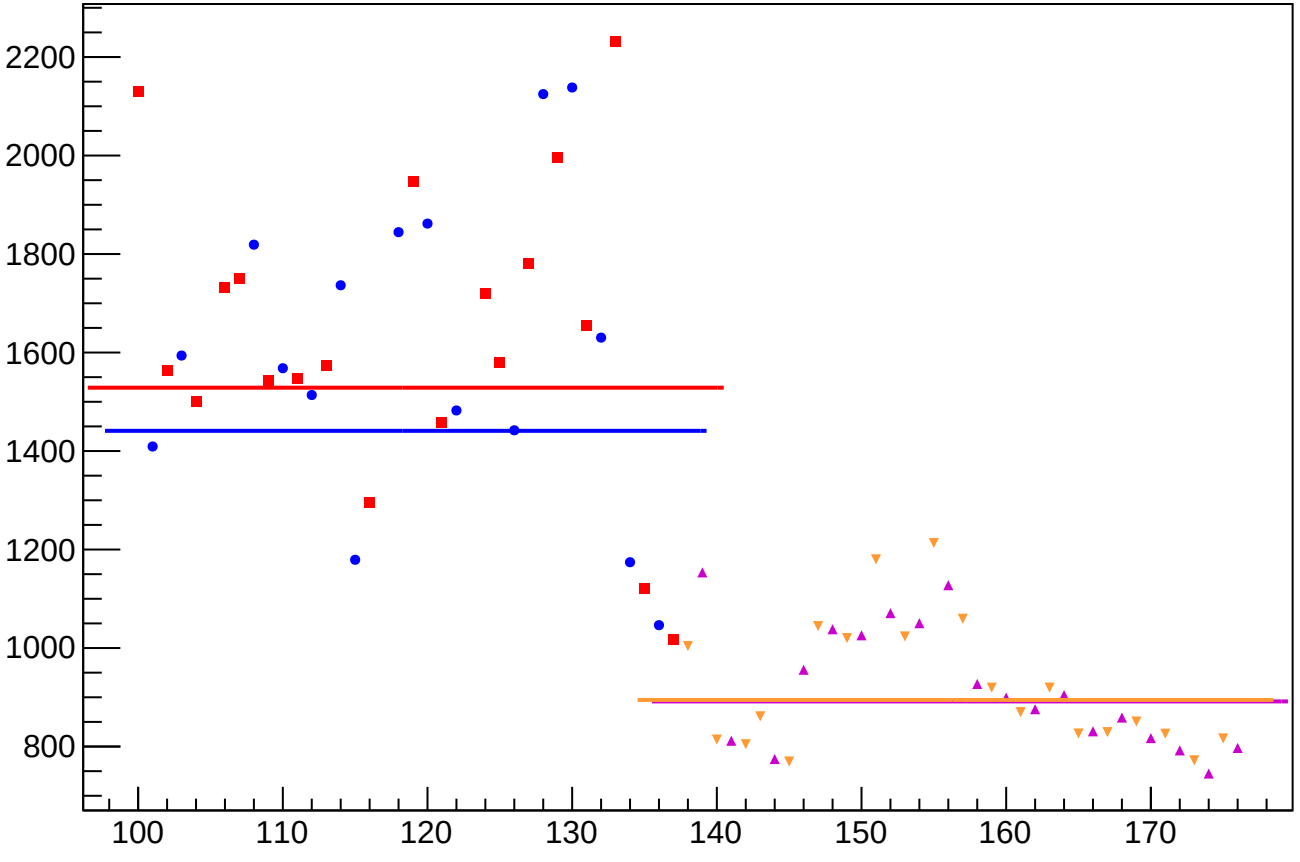
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: -12.067+/-211.170 χ^2/NDF:50.3/34

Out: 720.922+/-211.062 χ^2/NDF:74.2/38

All: 354.615+/-149.281 χ^2/NDF: 130.4/73

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 894.608+/-0.161 χ^2/NDF:517879.3/19

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 891.623+/-0.162 χ^2/NDF:511507.8/18

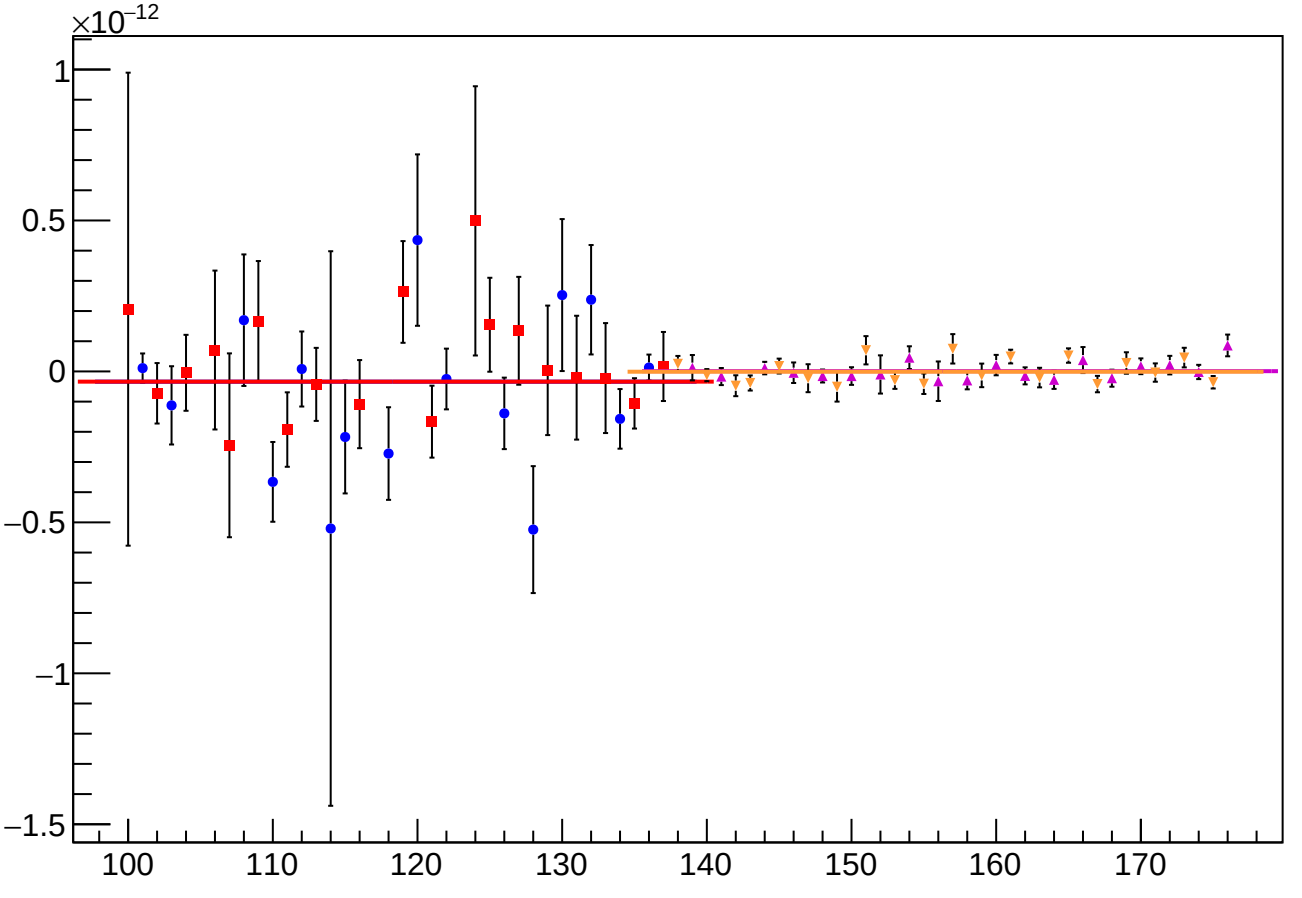
Left: 893.124+/-0.114 χ^2/NDF: 1029558.8/38

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 972.105+/-0.149 χ^2/NDF:2874833.1/34

Out: 981.422+/-0.149 χ^2/NDF:3152509.0/38

All: 976.766+/-0.106 χ^2/NDF: 6029289.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/18

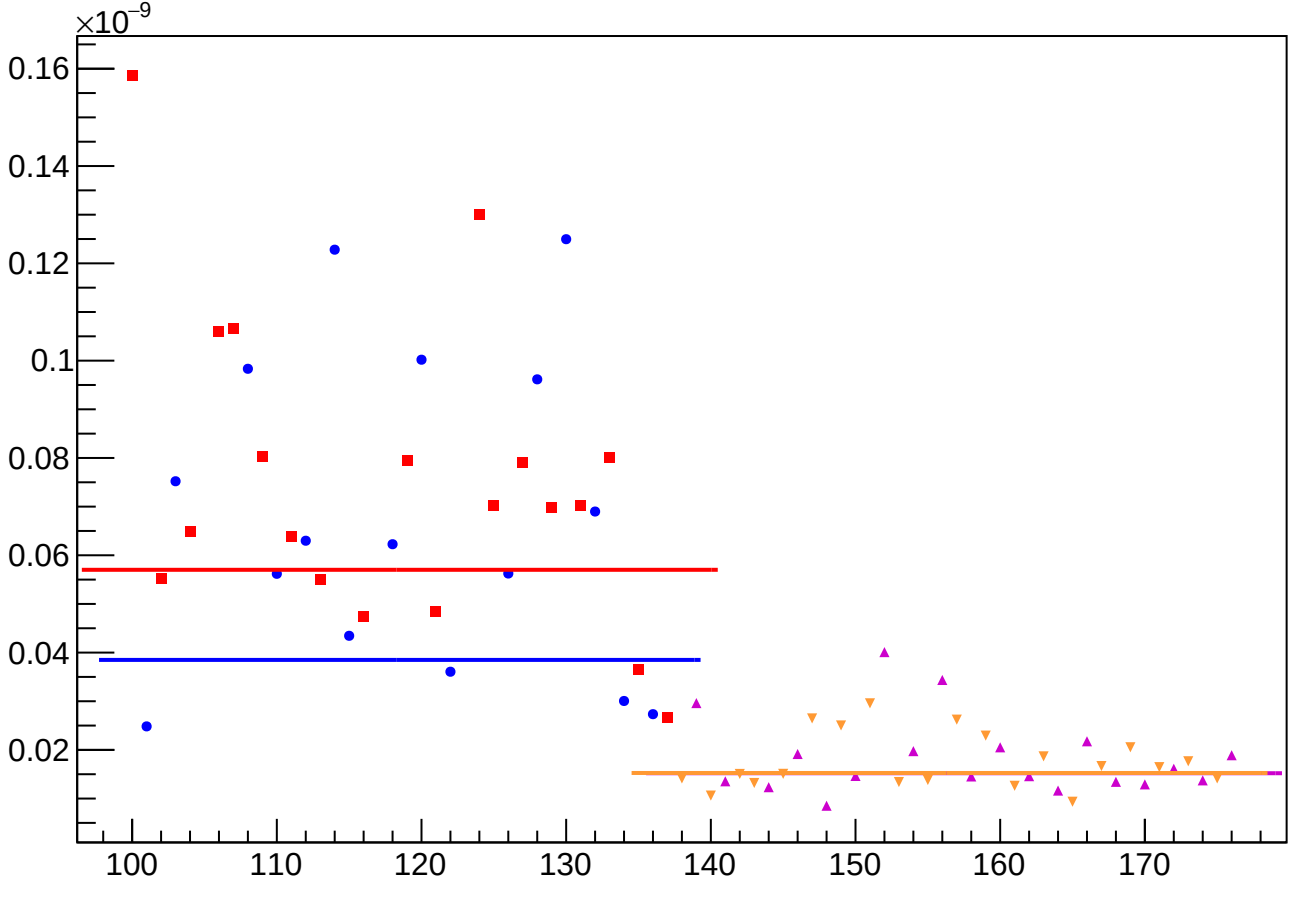
Left: -0.000+/-0.000 χ^2/NDF: 46.2/38

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:42.9/34

Out: -0.000+/-0.000 χ^2/NDF:46.3/38

All: -0.000+/-0.000 χ^2/NDF: 89.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:938477.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1191893.0/18

Left: 0.000+/-0.000 χ^2/NDF: 2130427.9/38

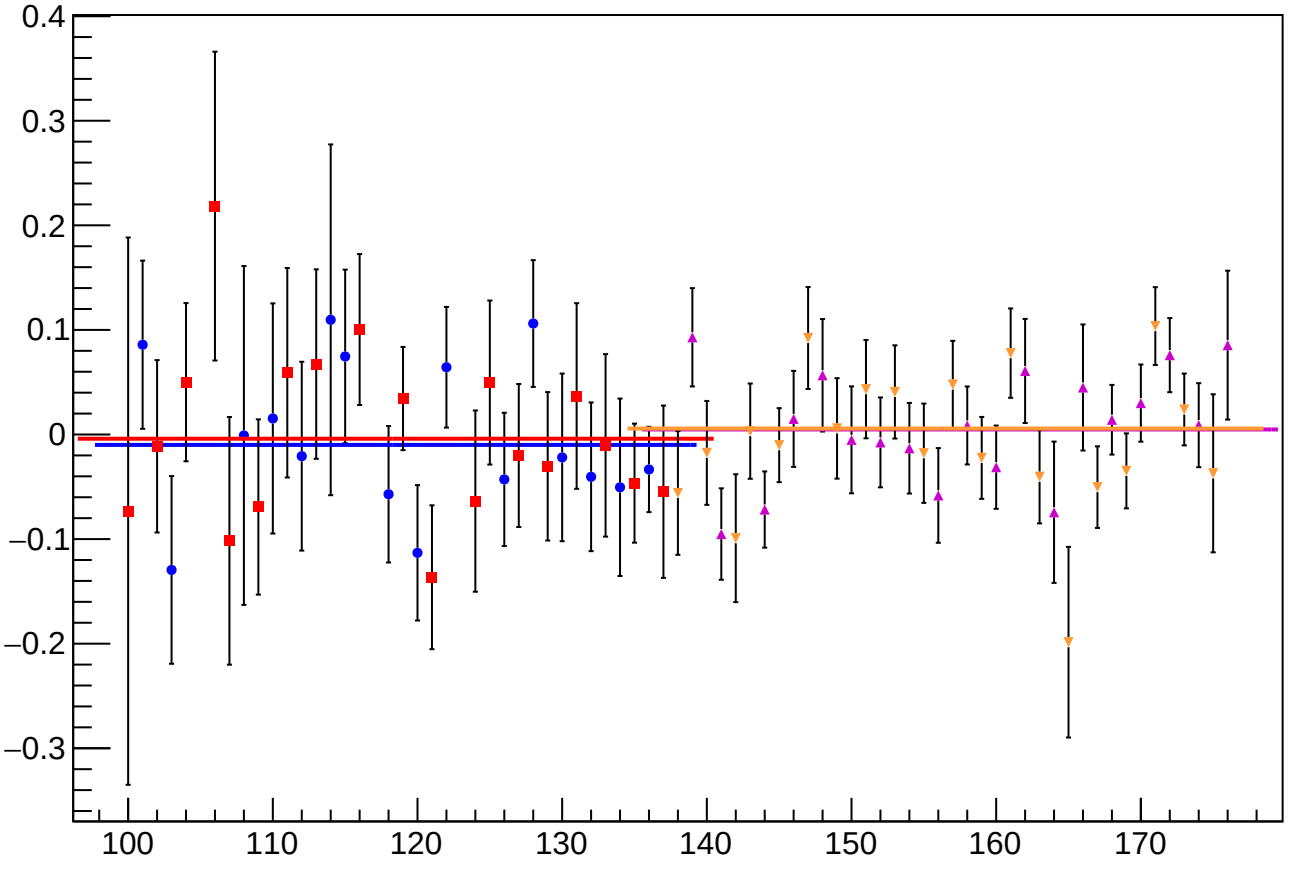
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4179729.9/34

Out: 0.000+/-0.000 χ^2/NDF:4543587.3/38

All: 0.000+/-0.000 χ^2/NDF: 8723634.5/73

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

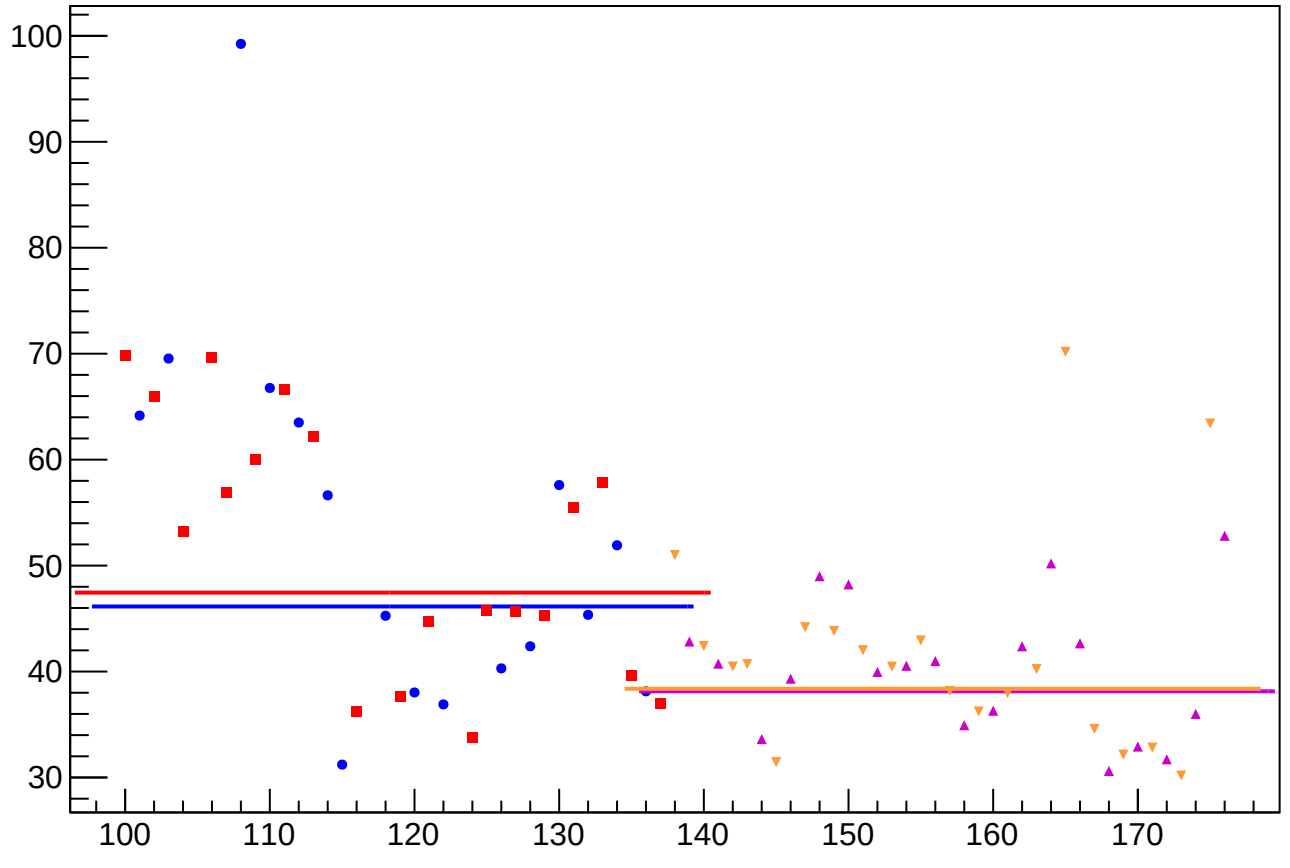
Left: 0.005+/-0.007 χ^2/NDF: 56.6/38

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 85.5/73



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

Left: 38.256+/-0.005 χ^2/NDF: 1631788.9/38

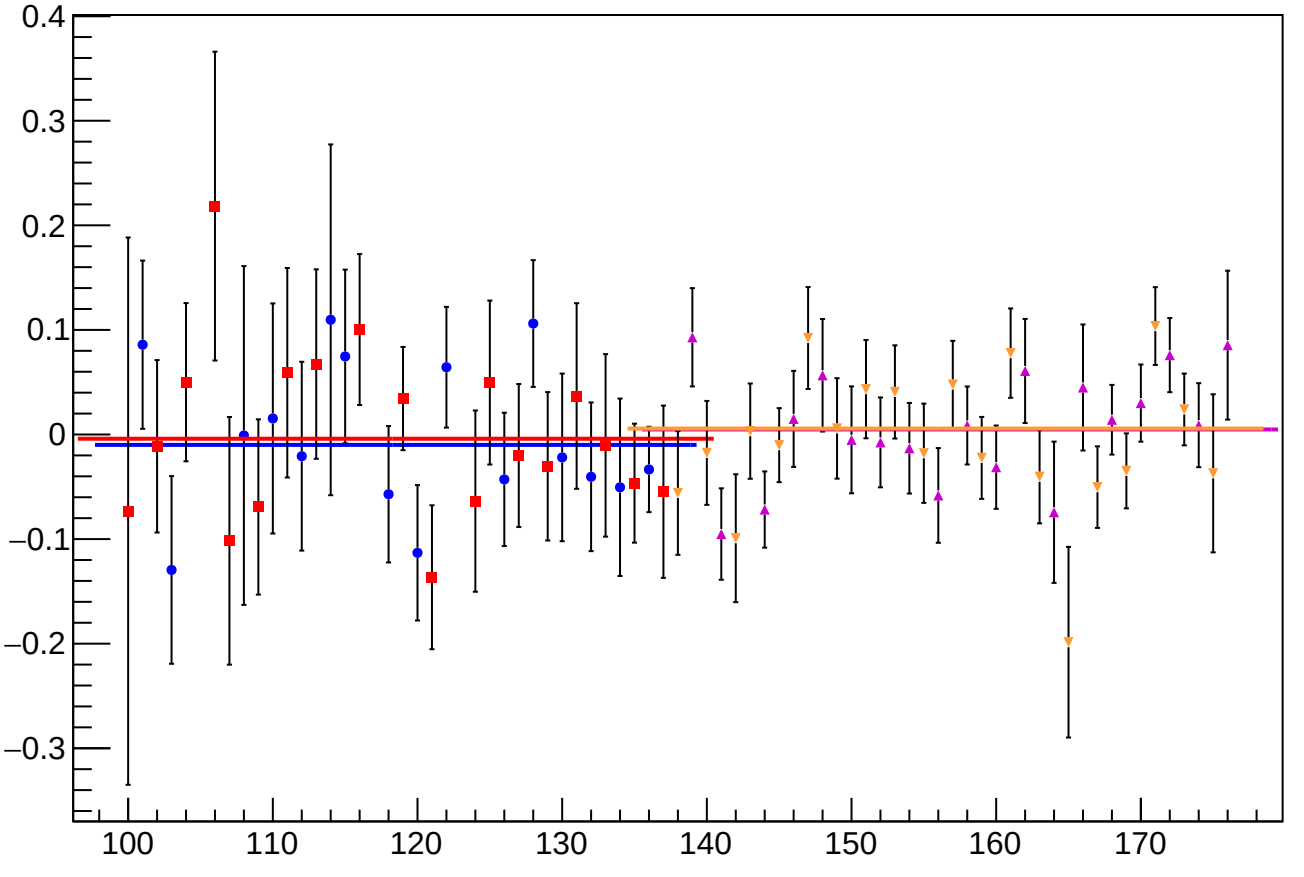
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.024+/-0.006 χ^2/NDF:1849167.3/34

Out: 40.488+/-0.006 χ^2/NDF:2028507.4/38

All: 40.257+/-0.004 χ^2/NDF: 3880495.0/73

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

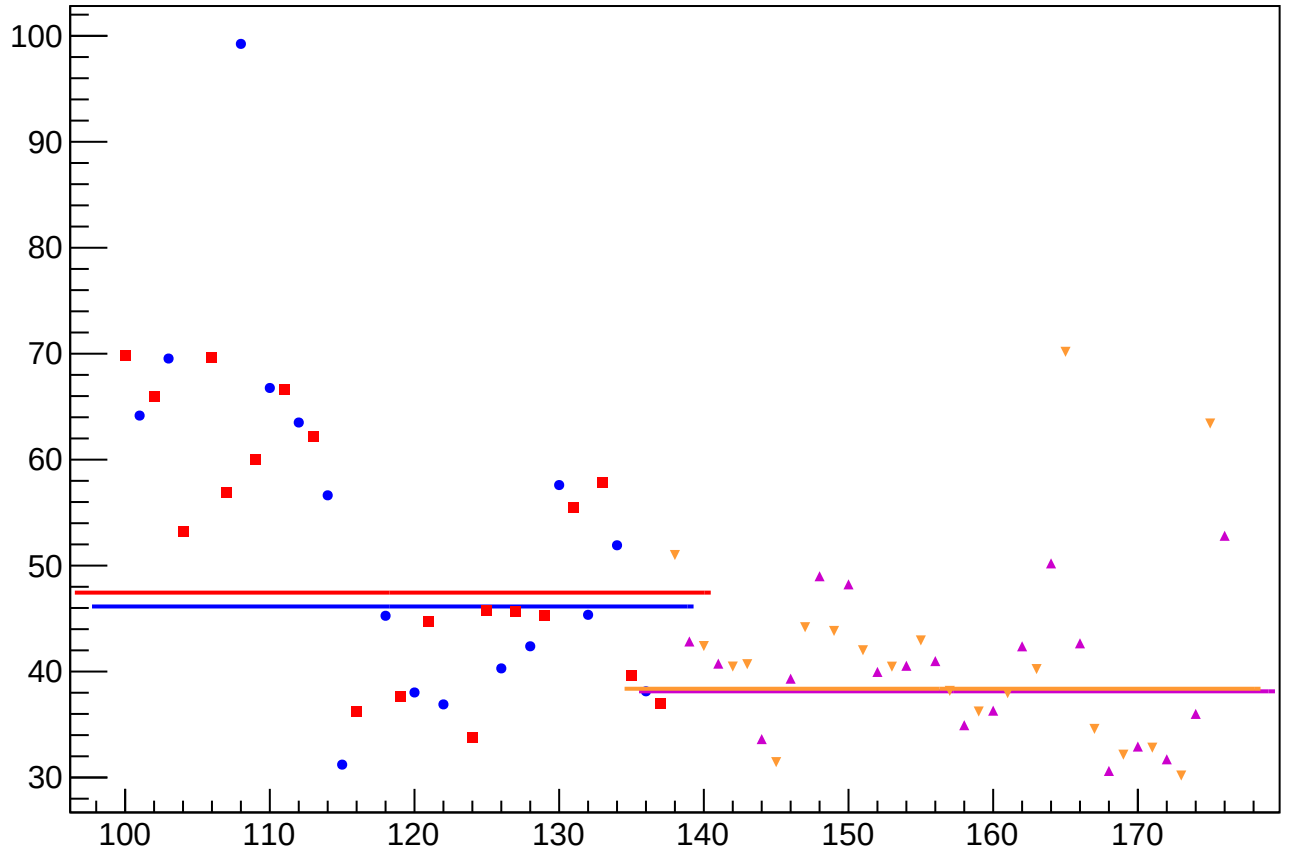
Left: 0.005+/-0.007 χ^2/NDF: 56.6/38

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 85.5/73



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.377+/-0.007 χ^2/NDF:987933.3/19

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

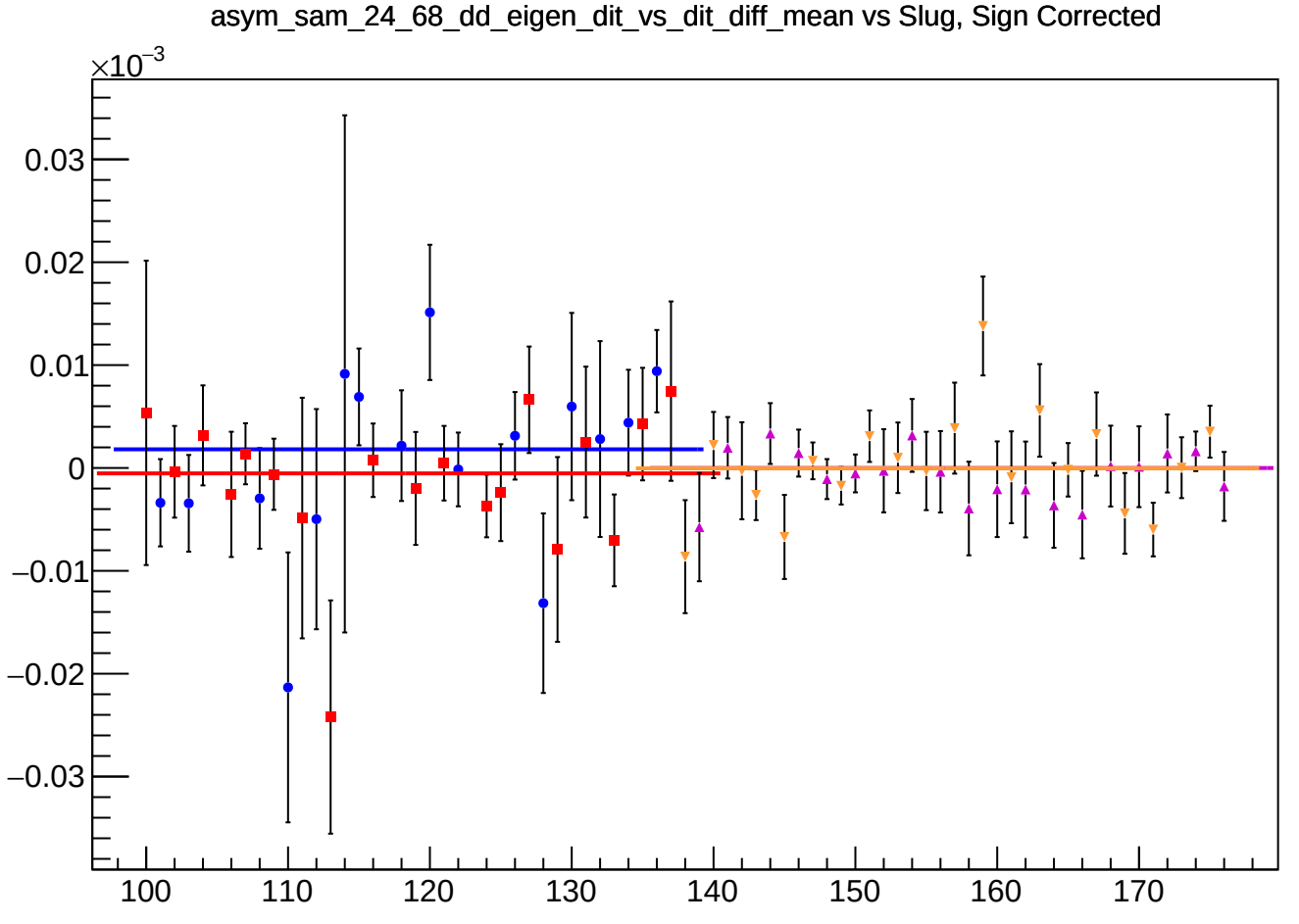
Left: 38.256+/-0.005 χ^2/NDF: 1631788.9/38

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.024+/-0.006 χ^2/NDF:1849167.3/34

Out: 40.488+/-0.006 χ^2/NDF:2028507.4/38

All: 40.257+/-0.004 χ^2/NDF: 3880495.0/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/18

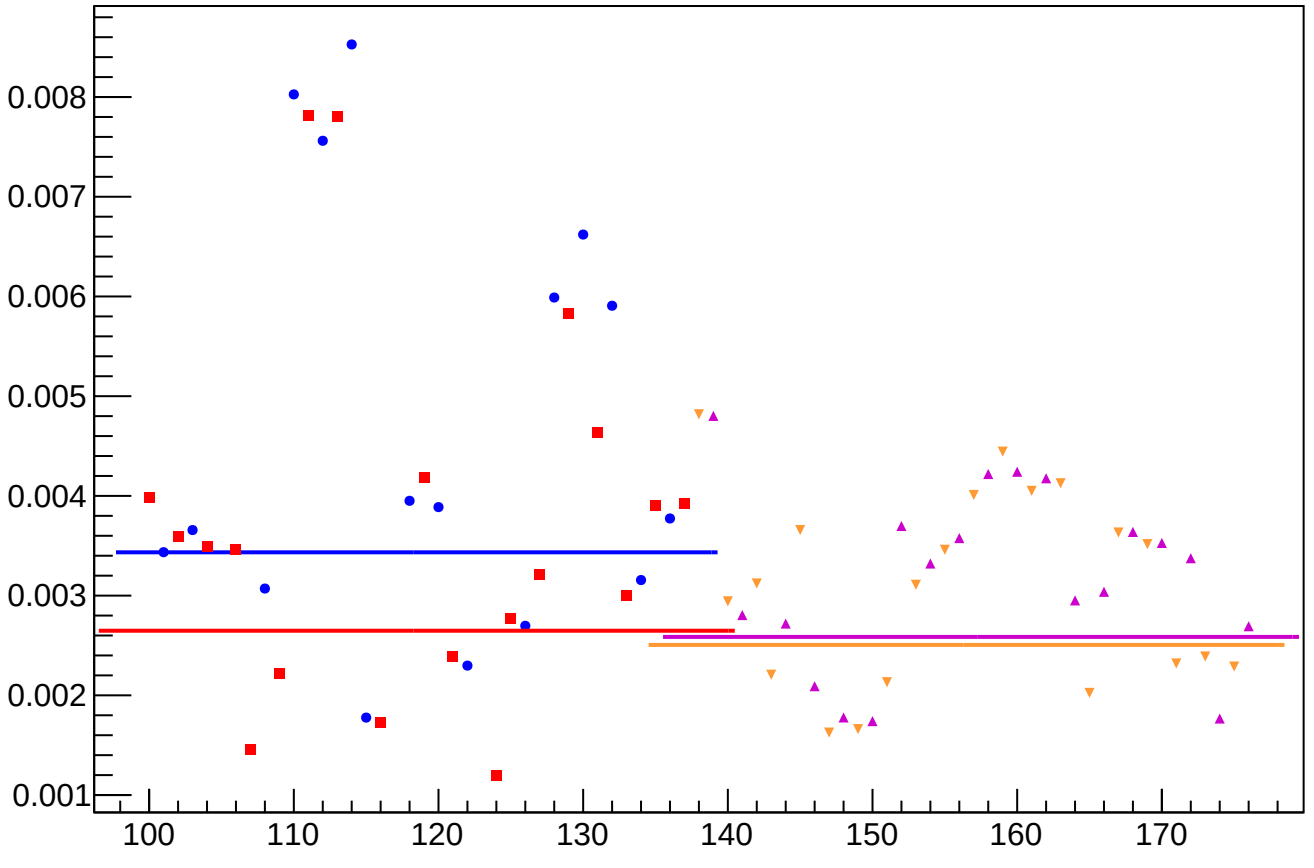
Left: -0.000+/-0.000 χ^2/NDF: 37.9/38

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: -0.000+/-0.000 χ^2/NDF:43.1/38

All: 0.000+/-0.000 χ^2/NDF: 73.6/73



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3201024.9/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3085683.5/18

Left: 0.003+/-0.000 χ^2/NDF: 6300431.9/38

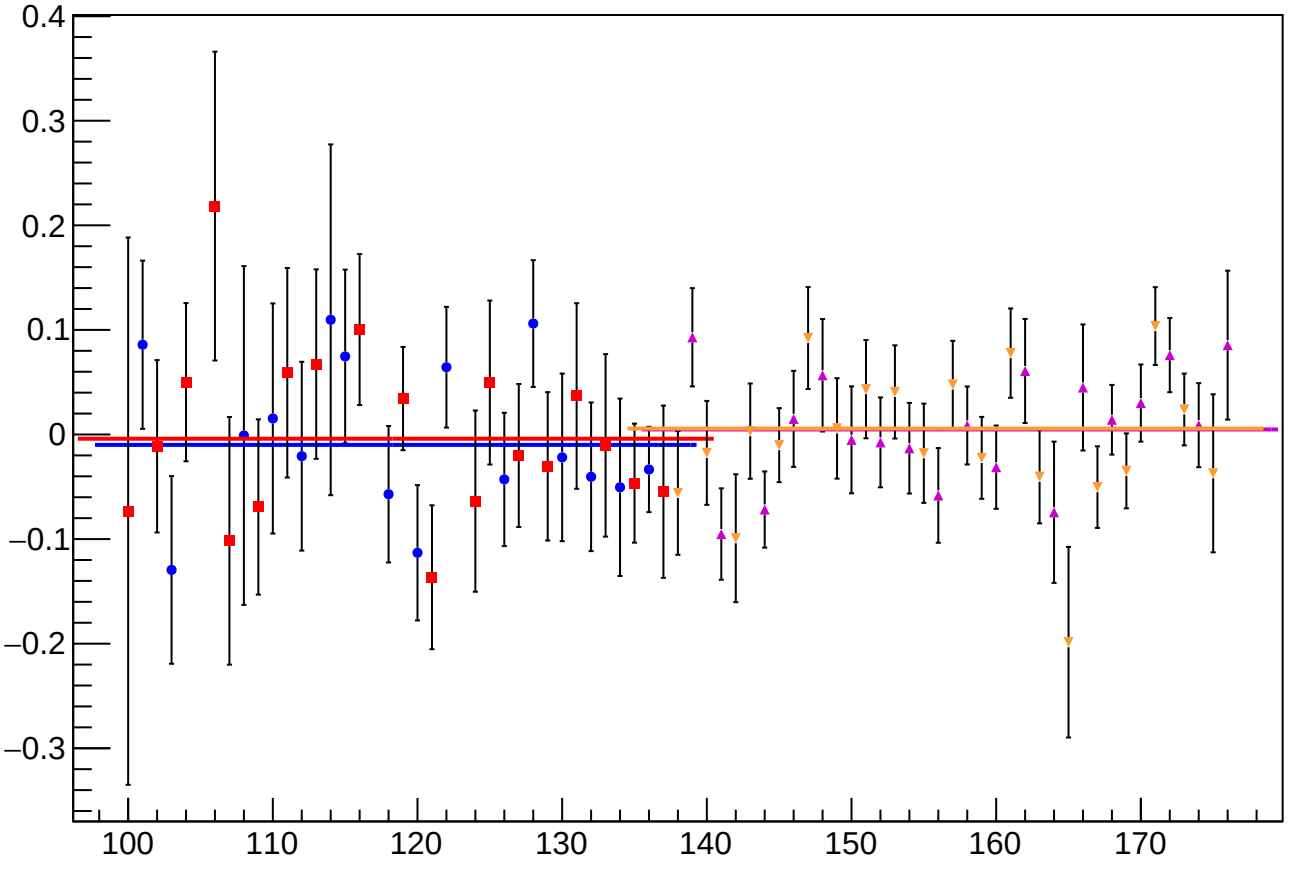
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5440223.2/34

Out: 0.003+/-0.000 χ^2/NDF:5922678.4/38

All: 0.003+/-0.000 χ^2/NDF: 11494209.7/73

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

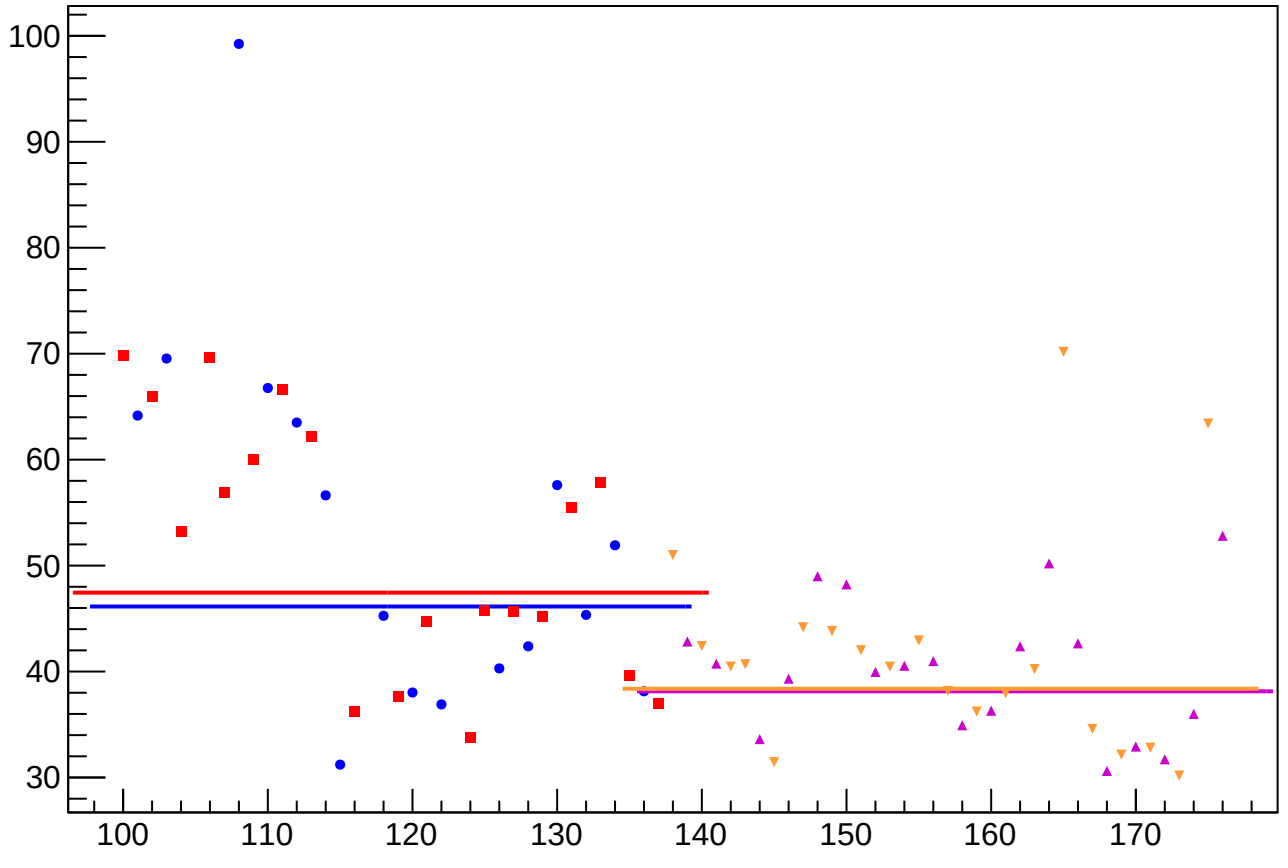
Left: 0.005+/-0.007 χ^2/NDF: 56.6/38

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 85.5/73



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

Left: 38.256+/-0.005 χ^2/NDF: 1631858.8/38

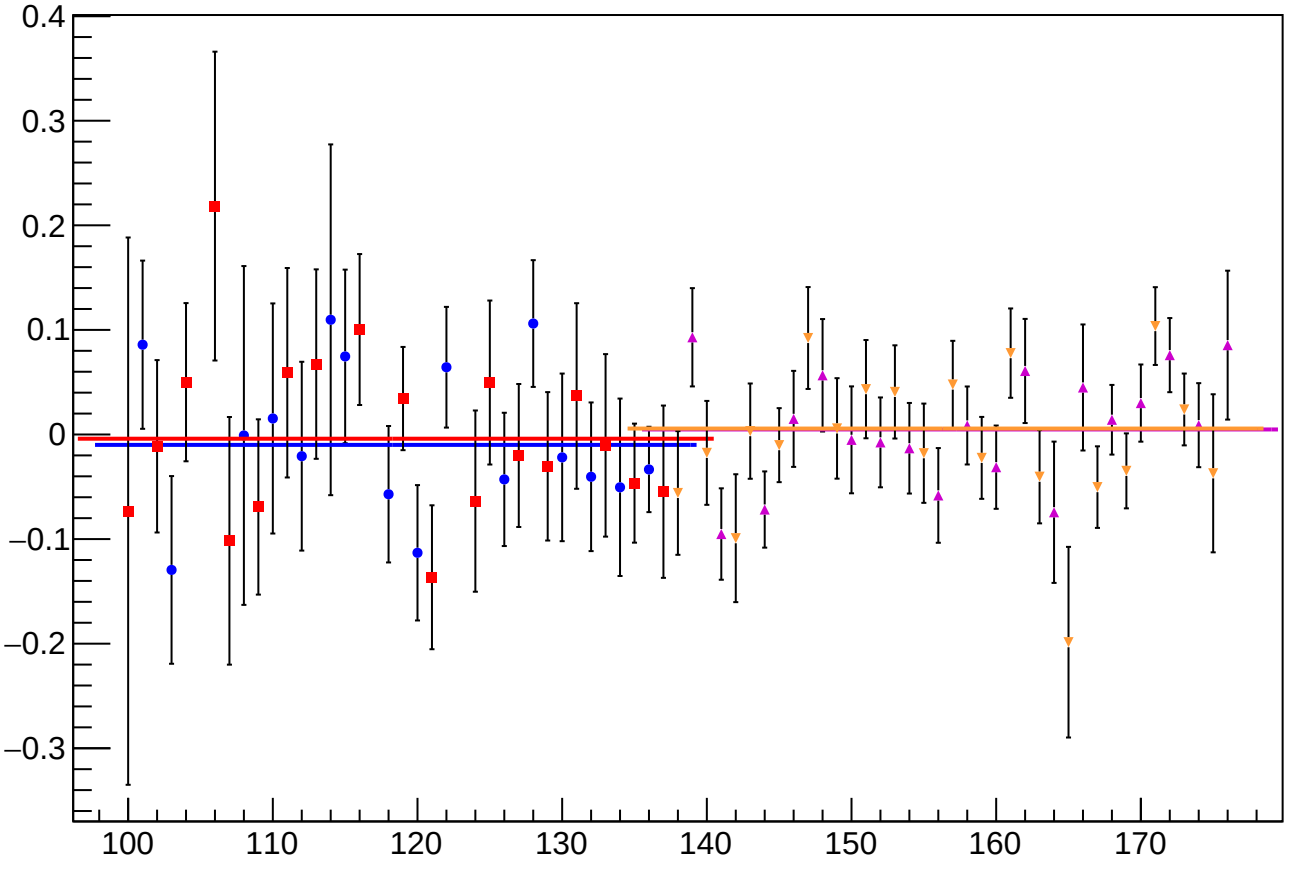
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.024+/-0.006 χ^2/NDF:1849094.5/34

Out: 40.488+/-0.006 χ^2/NDF:2028427.2/38

All: 40.256+/-0.004 χ^2/NDF: 3880345.9/73

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/19

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

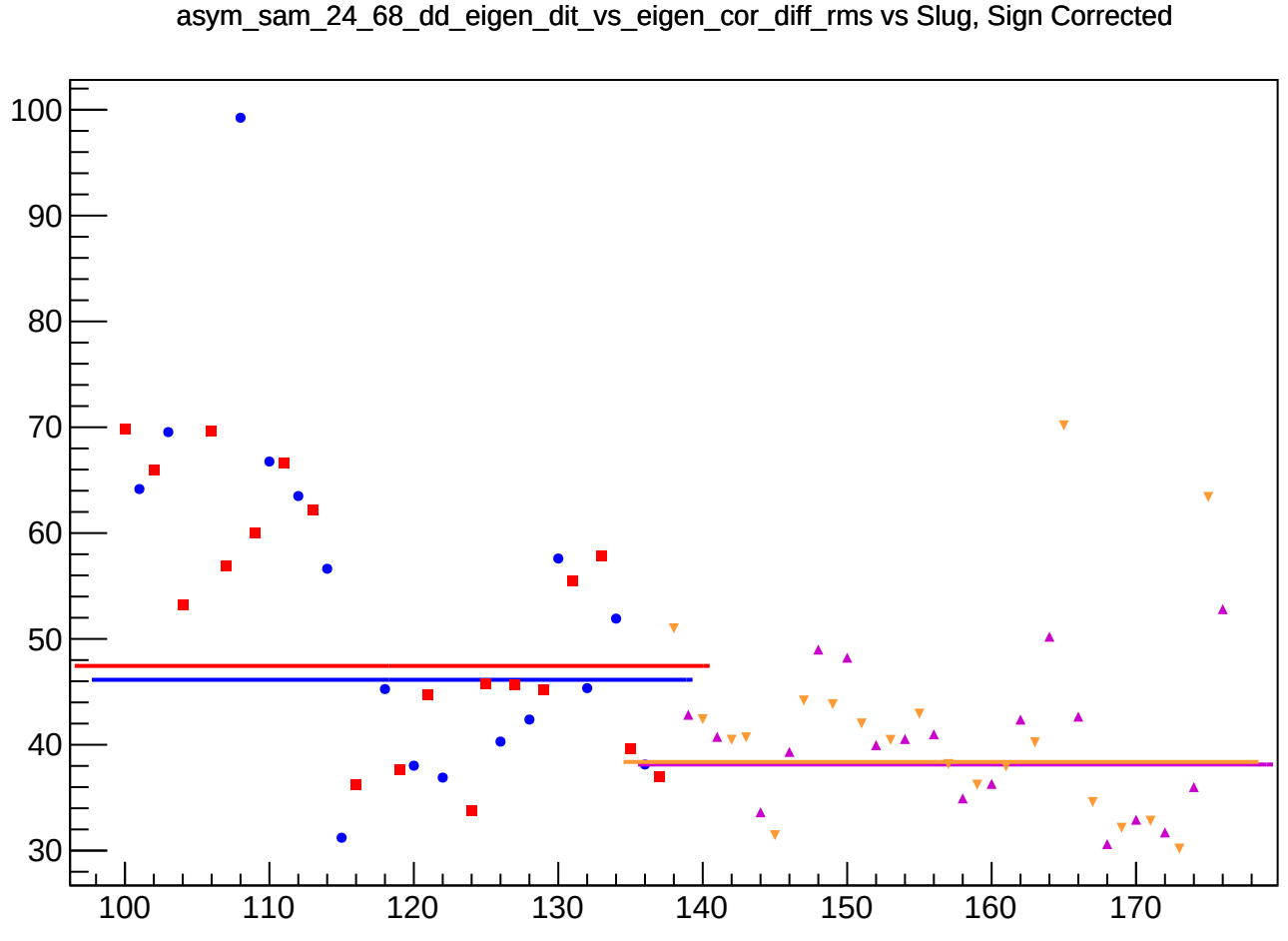
Left: 0.005+/-0.007 χ^2/NDF: 56.6/38

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.003+/-0.009 χ^2/NDF:44.5/38

All: 0.002+/-0.006 χ^2/NDF: 85.5/73



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.377+/-0.007 χ^2/NDF:987956.5/19

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

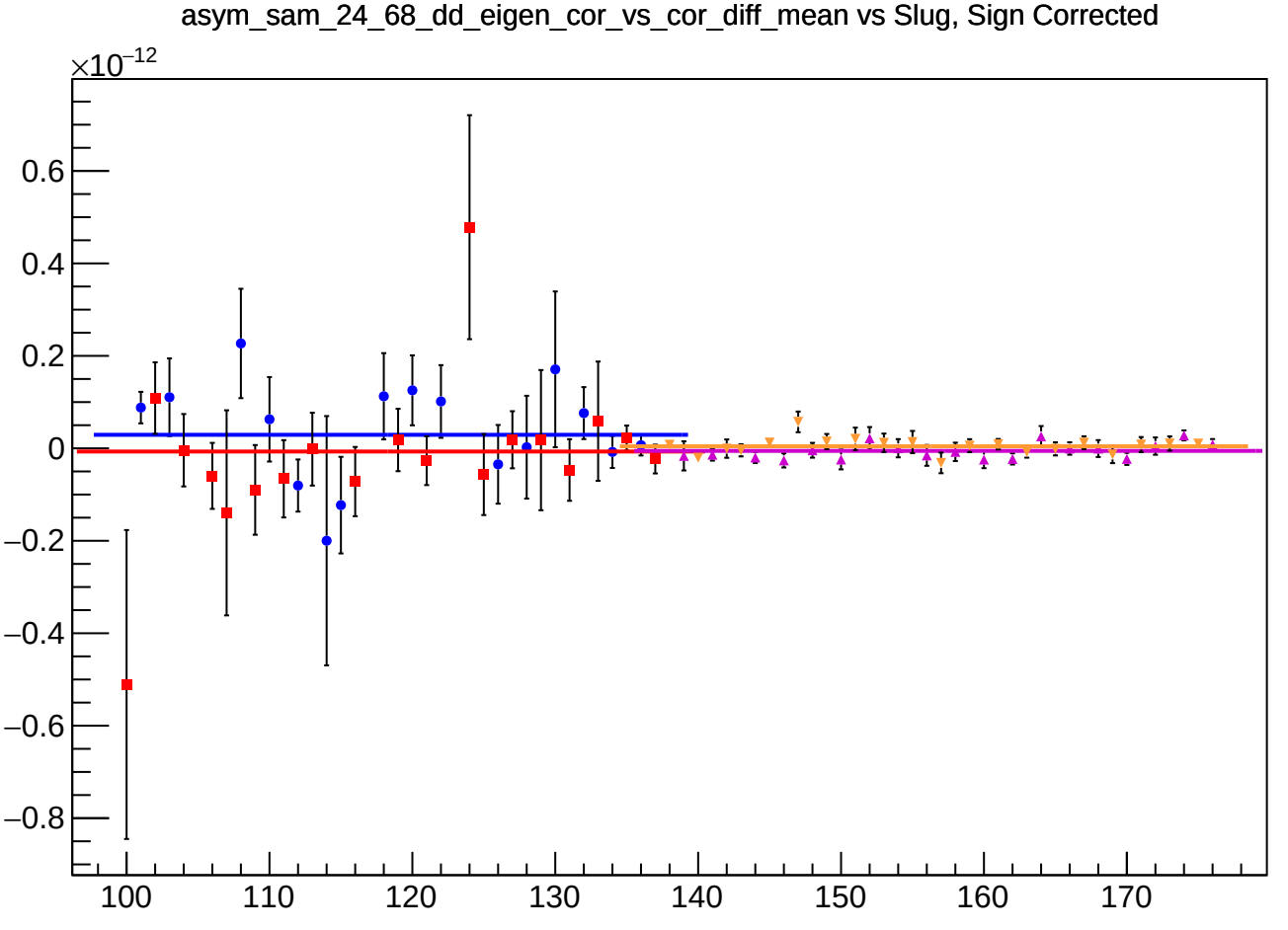
Left: 38.256+/-0.005 χ^2/NDF: 1631858.8/38

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.024+/-0.006 χ^2/NDF:1849094.5/34

Out: 40.488+/-0.006 χ^2/NDF:2028427.2/38

All: 40.256+/-0.004 χ^2/NDF: 3880345.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/18

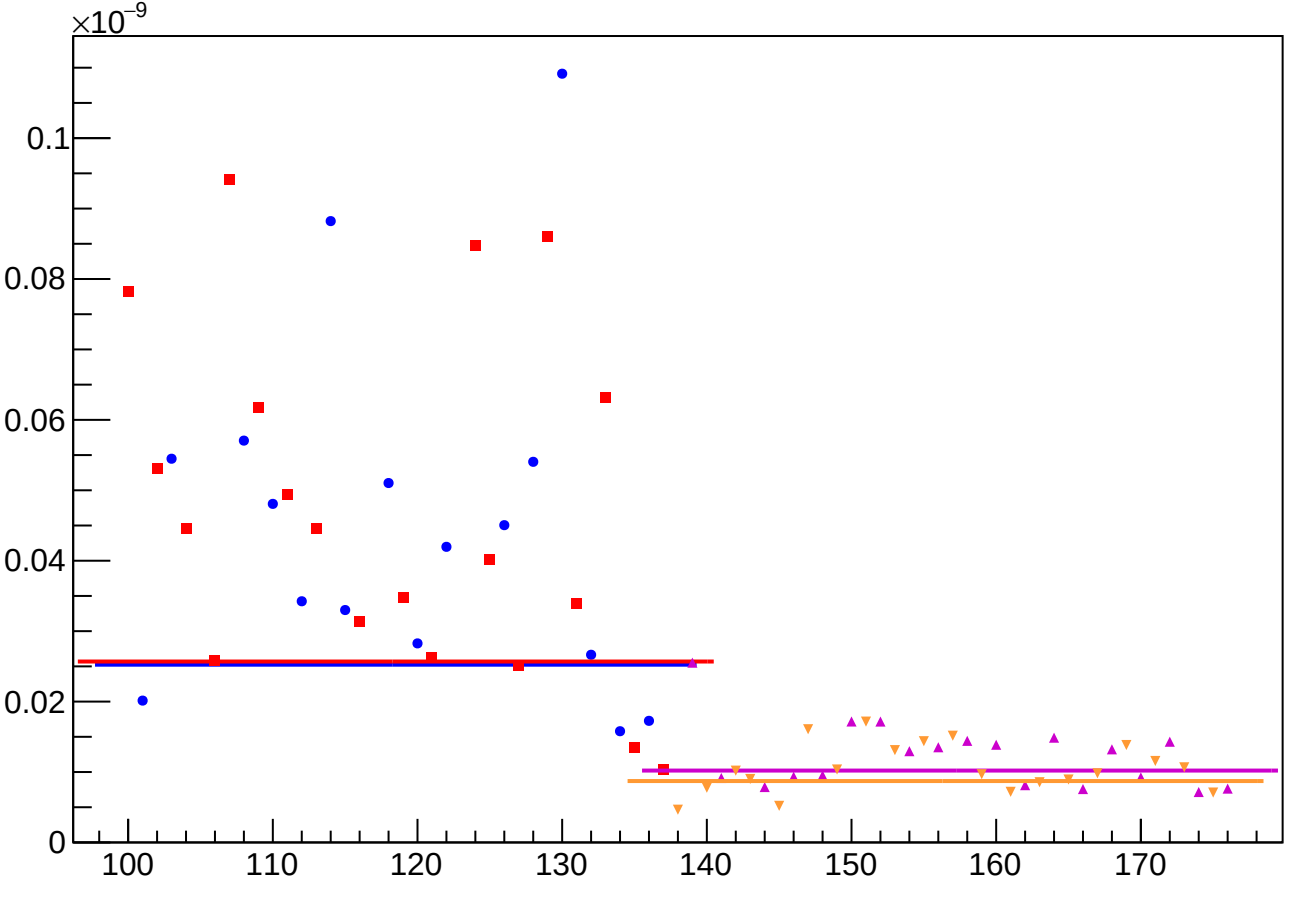
Left: 0.000+/-0.000 χ^2/NDF: 47.6/38

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:51.2/34

Out: 0.000+/-0.000 χ^2/NDF:34.0/38

All: 0.000+/-0.000 χ^2/NDF: 87.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1855181.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1829401.8/18

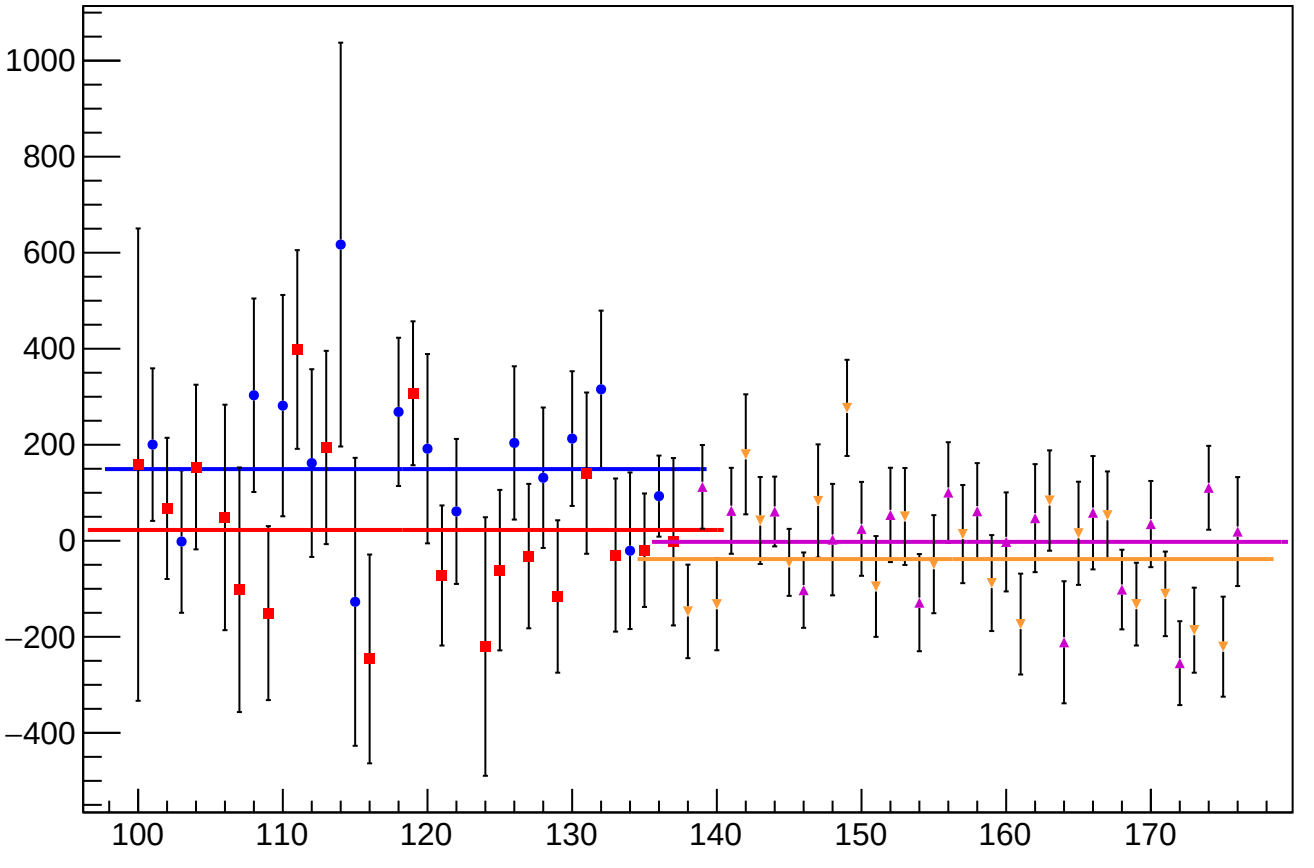
Left: 0.000+/-0.000 χ^2/NDF: 3880819.5/38

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6258277.8/34

Out: 0.000+/-0.000 χ^2/NDF:7320504.7/38

All: 0.000+/-0.000 χ^2/NDF: 13855621.4/73



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.085+/-21.668 χ^2/NDF:30.6/19

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: -2.257+/-21.847 χ^2/NDF:22.8/18

Left: -20.318+/-15.384 χ^2/NDF: 54.8/38

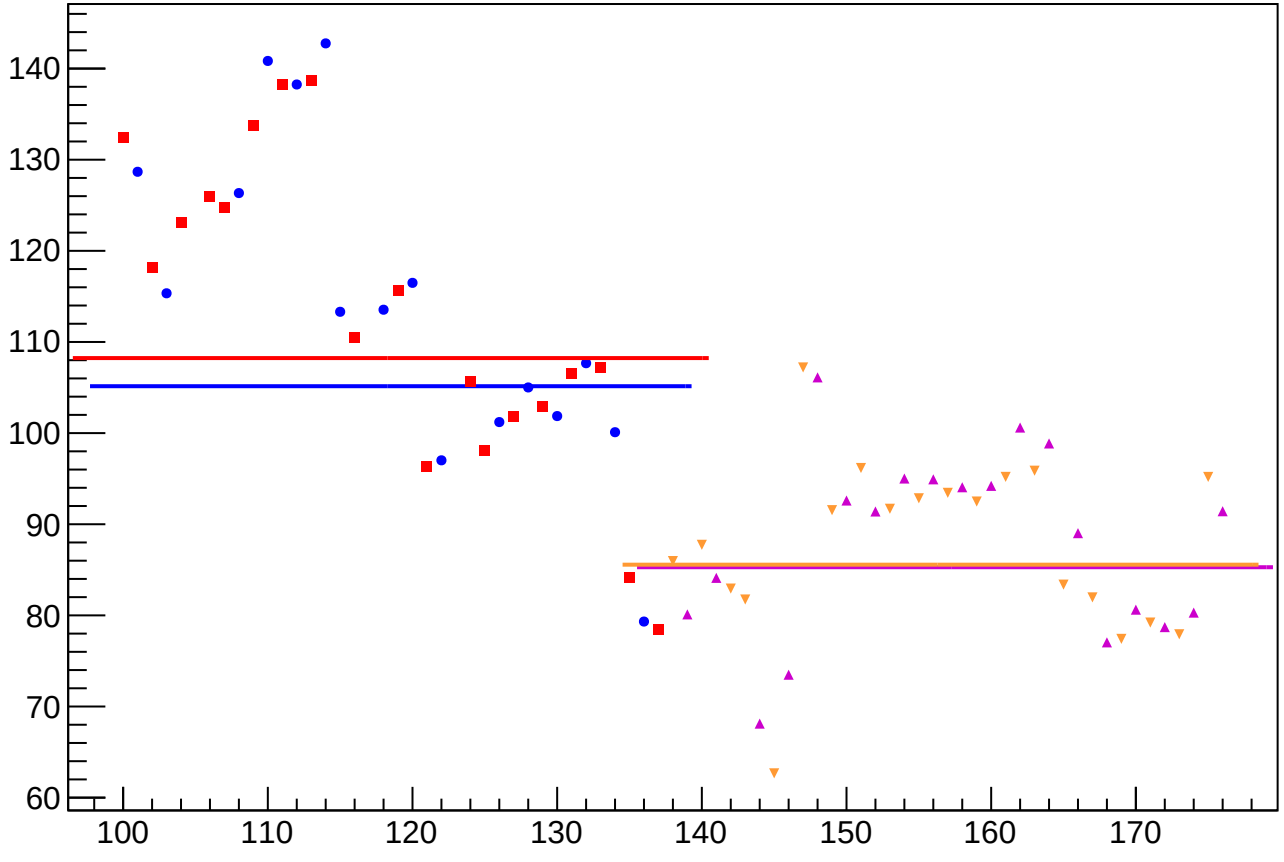
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 32.989+/-19.139 χ^2/NDF:42.0/34

Out: -24.382+/-19.063 χ^2/NDF:46.6/38

All: 4.190+/-13.506 χ^2/NDF: 93.1/73

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.424+/-0.011 χ^2/NDF: 879731.3/38

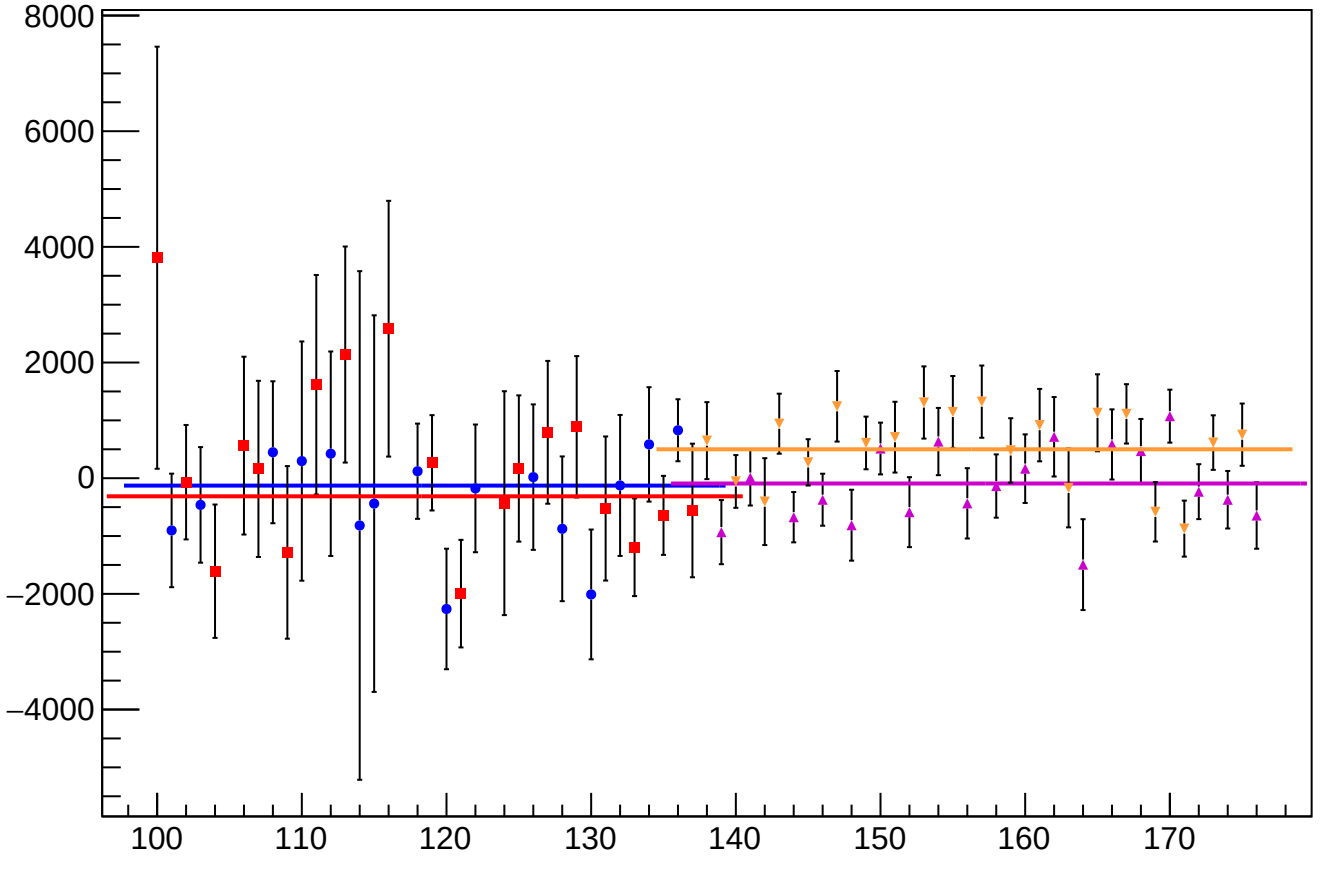
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 89.902+/-0.014 χ^2/NDF:1217102.3/34

Out: 90.686+/-0.013 χ^2/NDF:1300037.3/38

All: 90.296+/-0.010 χ^2/NDF: 2518822.6/73

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 499.715+/-122.466 χ^2/NDF:26.7/19

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

Left: 205.421+/-86.810 χ^2/NDF: 63.4/38

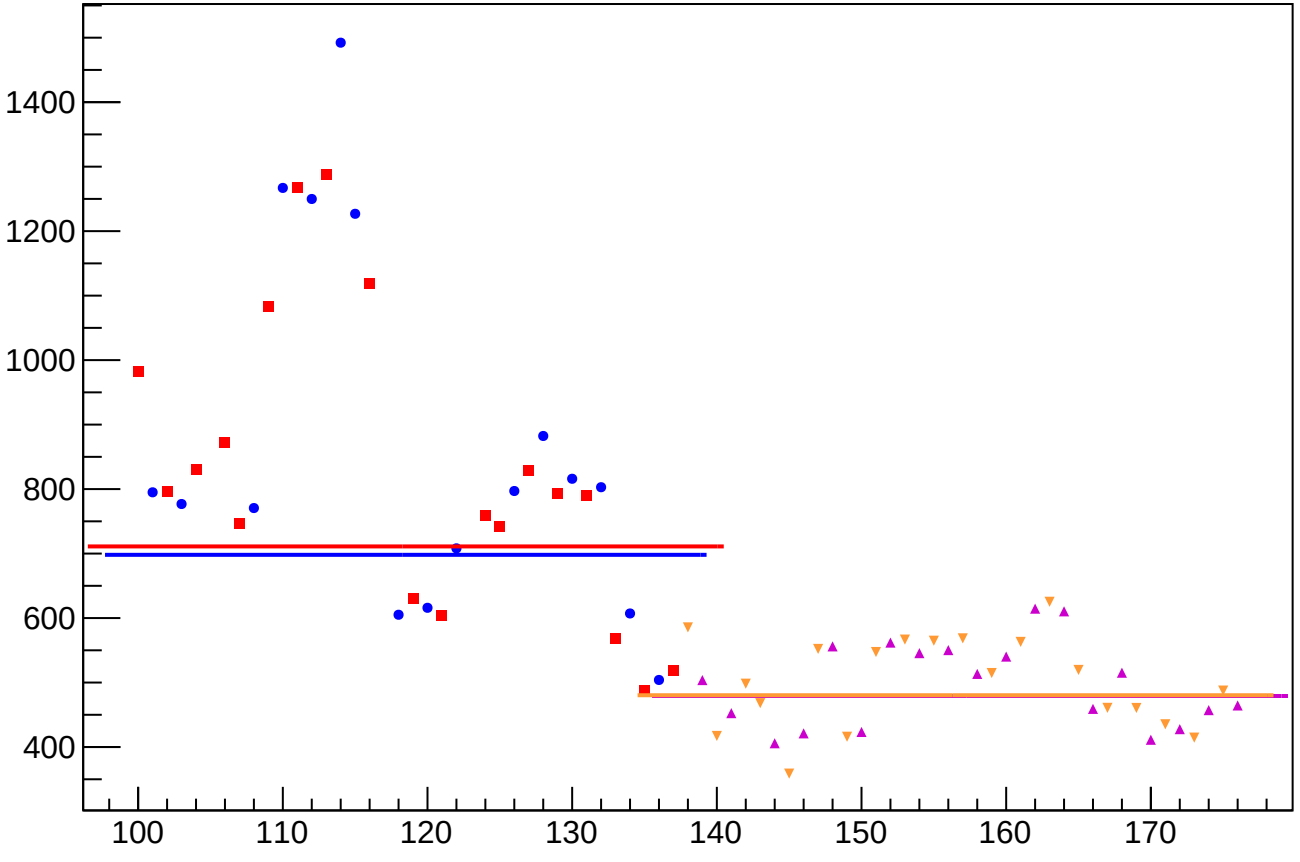
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -98.085+/-111.887 χ^2/NDF:37.4/34

Out: 361.148+/-111.539 χ^2/NDF:49.2/38

All: 132.247+/-78.993 χ^2/NDF: 95.1/73

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.301+/-0.087 χ^2/NDF:683941.9/19

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 479.141+/-0.087 χ^2/NDF:499618.4/18

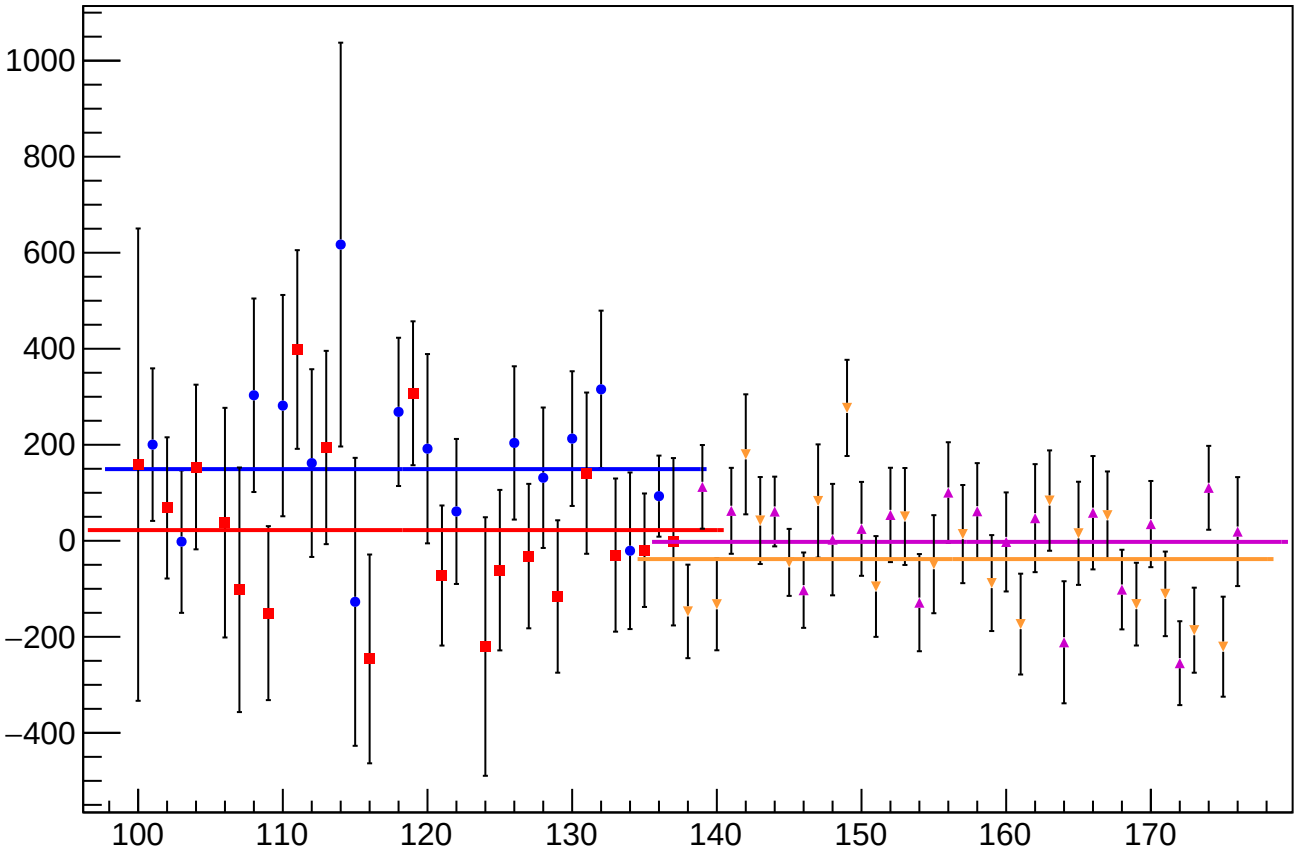
Left: 479.724+/-0.061 χ^2/NDF: 1183649.5/38

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 517.124+/-0.079 χ^2/NDF:2510381.2/34

Out: 519.648+/-0.079 χ^2/NDF:2930005.4/38

All: 518.390+/-0.056 χ^2/NDF: 5440897.3/73



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -38.087+/-21.668 χ^2/NDF:30.6/19

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -2.257+/-21.847 χ^2/NDF:22.8/18

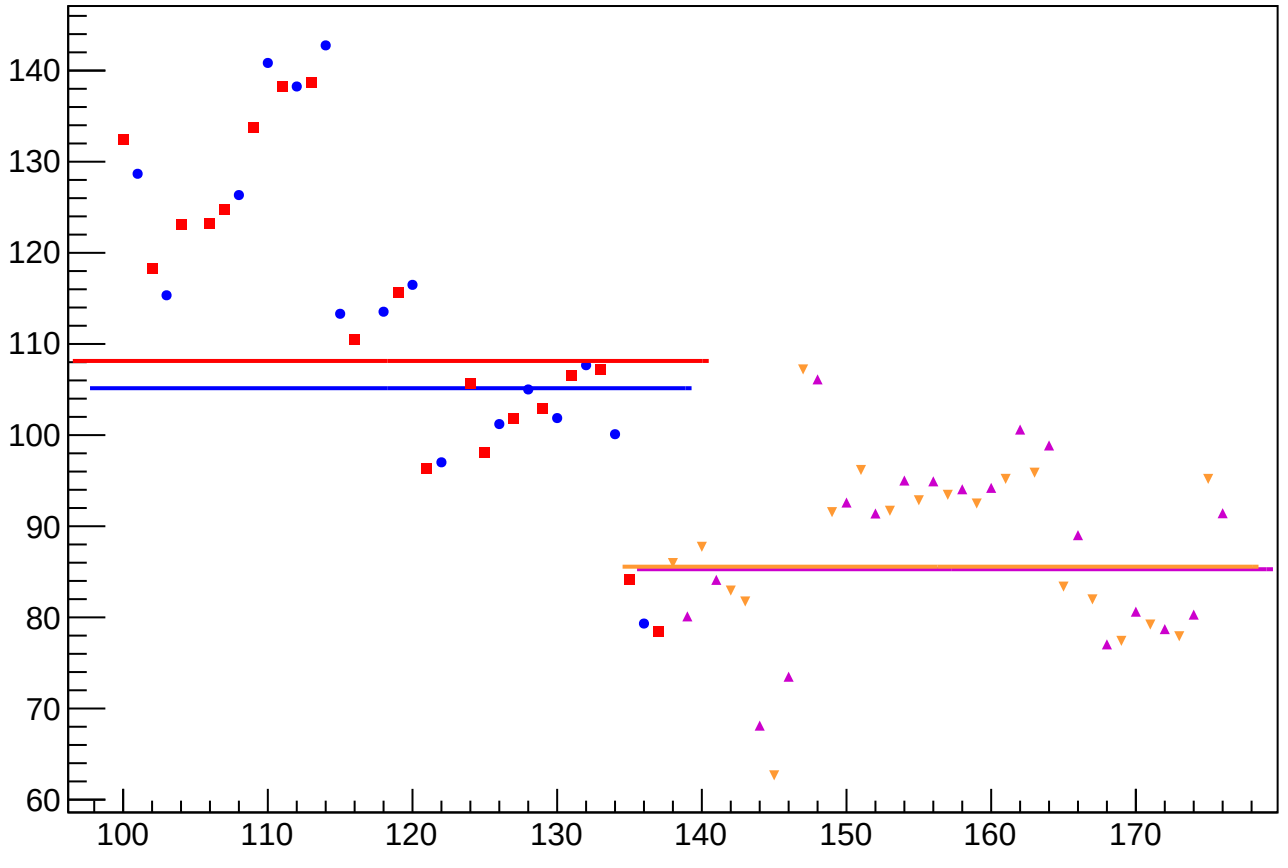
Left: -20.320+/-15.384 χ^2/NDF: 54.8/38

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.987+/-19.139 χ^2/NDF:42.0/34

Out: -24.453+/-19.066 χ^2/NDF:46.5/38

All: 4.157+/-13.507 χ^2/NDF: 93.1/73



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.424+/-0.011 χ^2/NDF: 879731.3/38

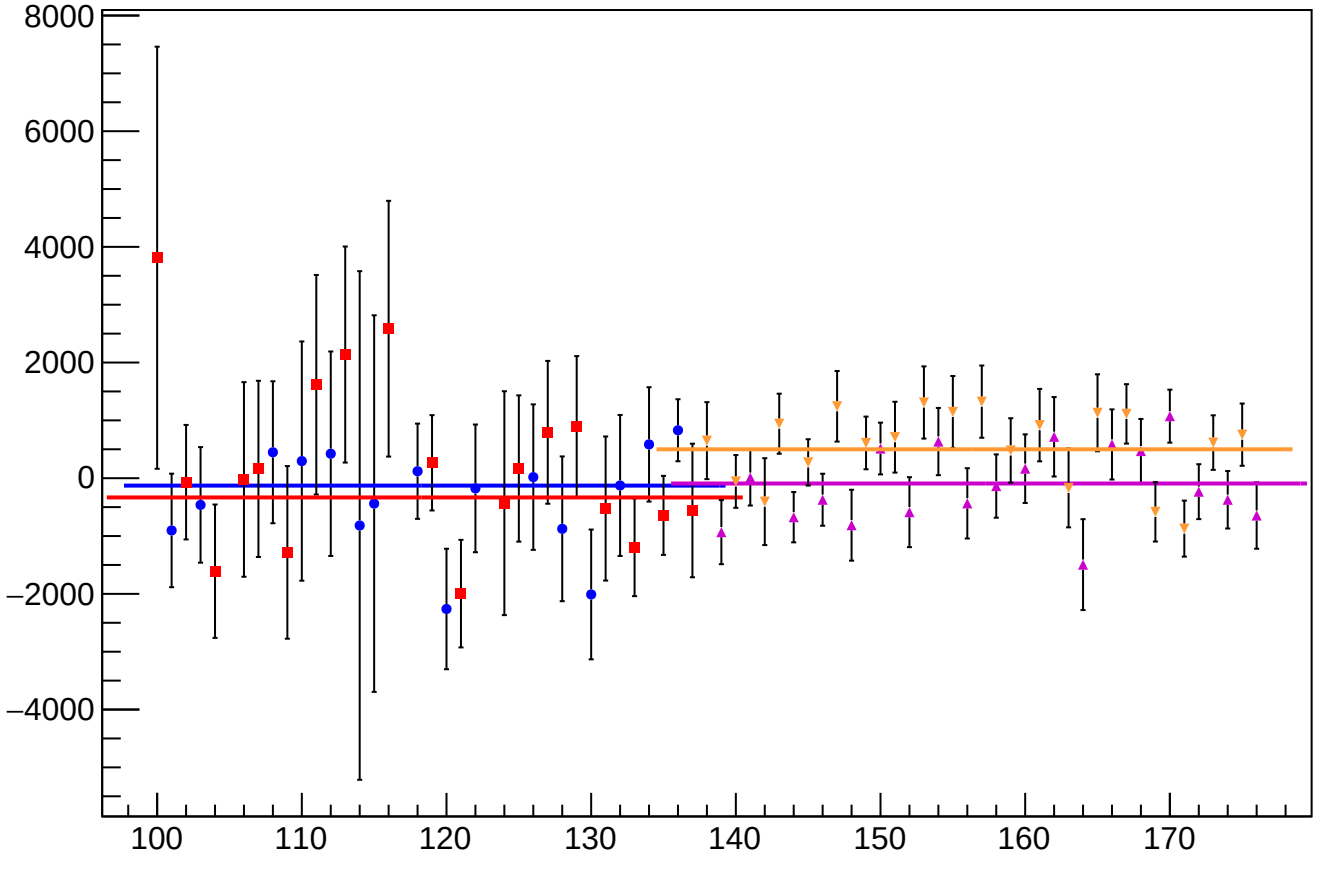
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.902+/-0.014 χ^2/NDF:1217102.7/34

Out: 90.660+/-0.013 χ^2/NDF:1291806.8/38

All: 90.283+/-0.010 χ^2/NDF: 2510482.0/73

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: 499.716+/-122.467 χ^2/NDF:26.7/19

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

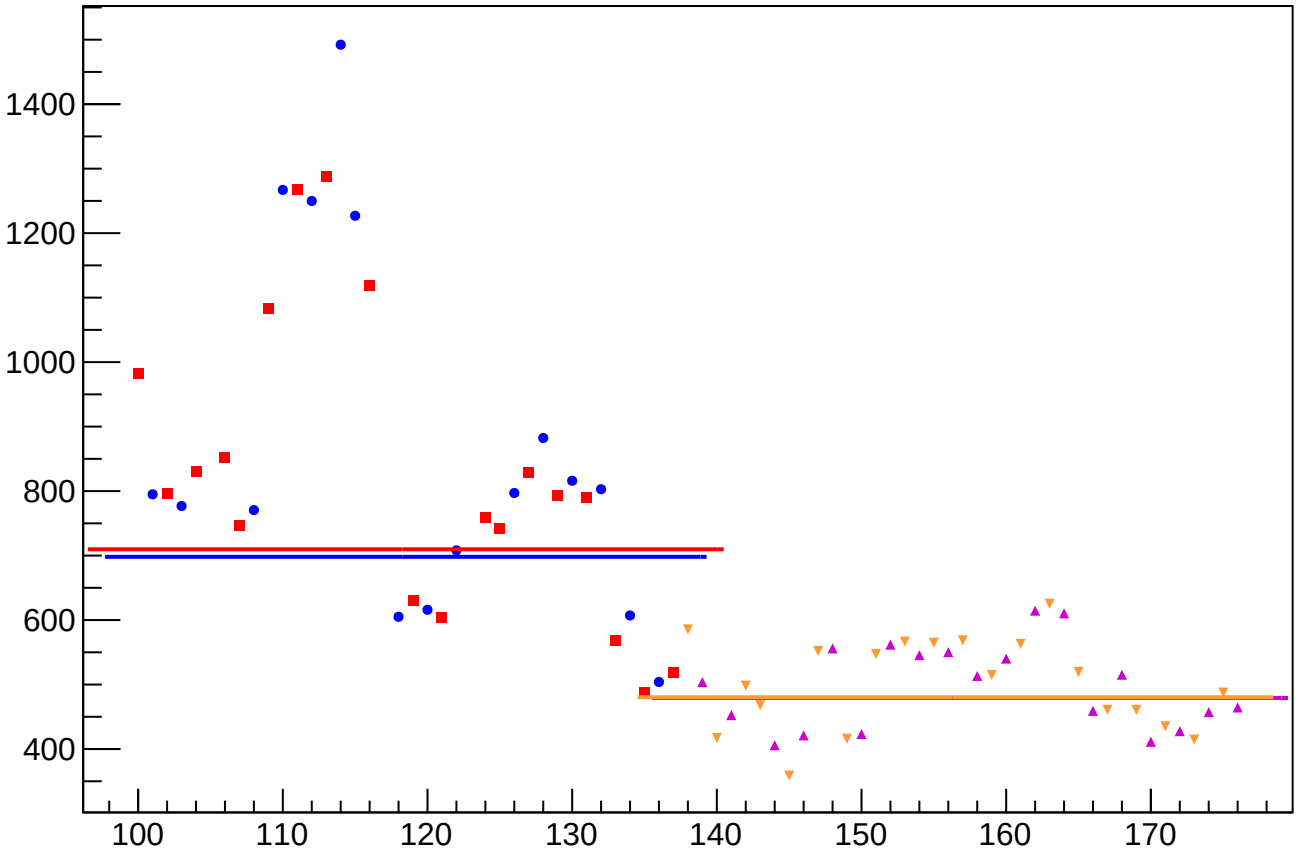
Left: 205.421+/-86.810 χ^2/NDF: 63.4/38

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -98.084+/-111.887 χ^2/NDF:37.4/34

Out: 358.413+/-111.589 χ^2/NDF:49.2/38

All: 130.775+/-79.010 χ^2/NDF: 95.0/73



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

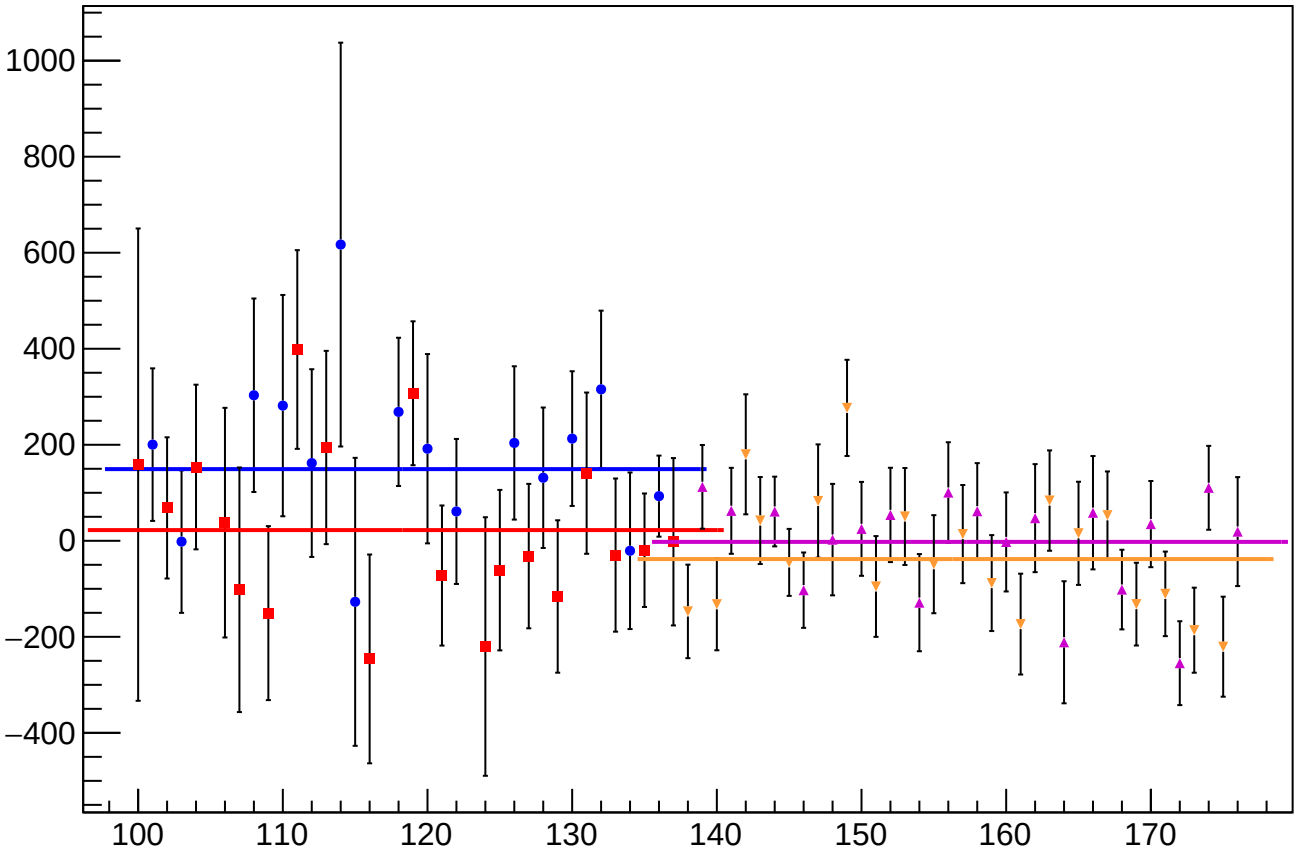
Left: 479.724+/-0.061 χ^2/NDF: 1183650.6/38

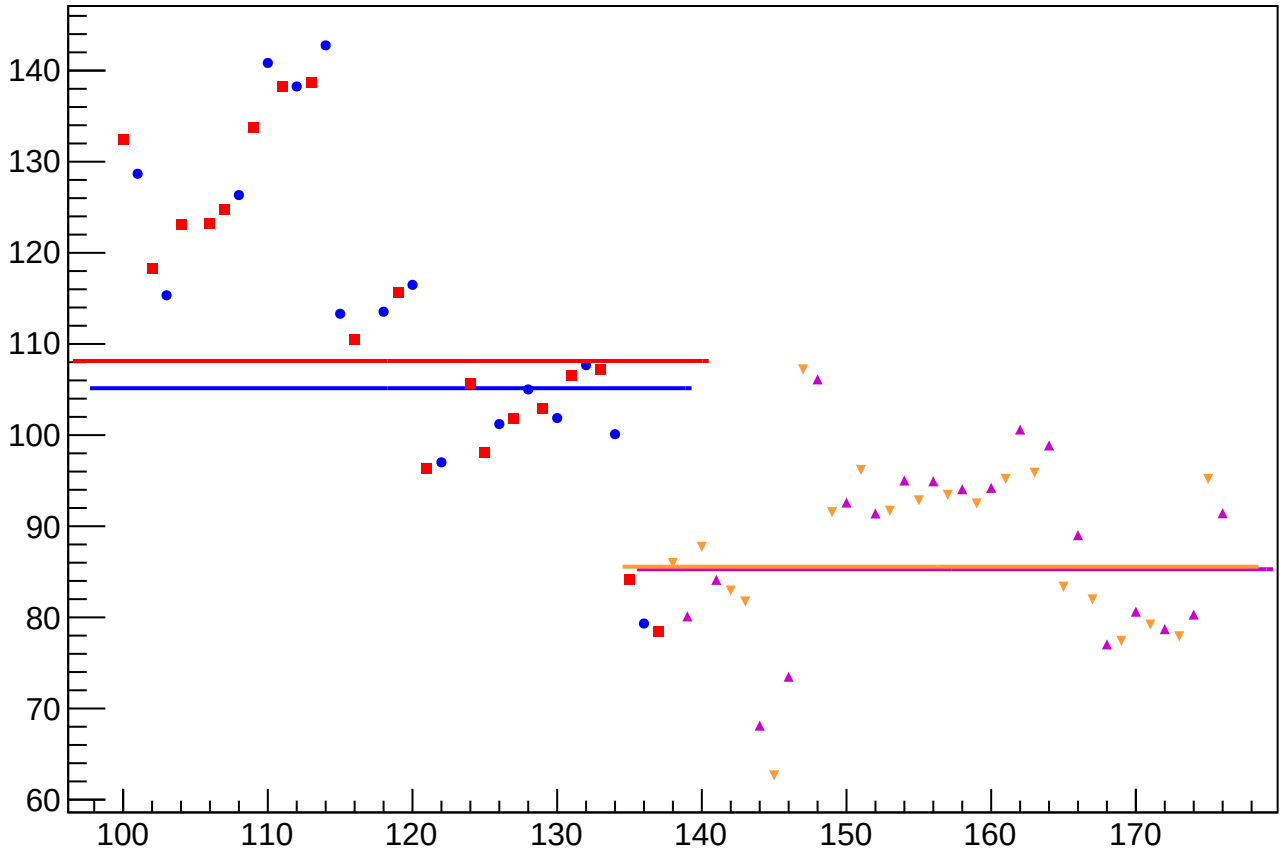
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 517.124+/-0.079 χ^2/NDF:2510397.6/34

Out: 519.251+/-0.079 χ^2/NDF:2902820.3/38

All: 518.190+/-0.056 χ^2/NDF: 5413580.5/73


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -38.087+/-21.668 χ²/NDF:30.6/19
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: -2.257+/-21.847 χ²/NDF:22.8/18
Left: -20.320+/-15.384 χ²/NDF: 54.8/38
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 32.987+/-19.139 χ²/NDF:42.0/34
Out: -24.453+/-19.066 χ²/NDF:46.5/38
All: 4.157+/-13.507 χ²/NDF: 93.1/73



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.563+/-0.015 χ^2/NDF:455352.9/19

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.424+/-0.011 χ^2/NDF: 879731.3/38

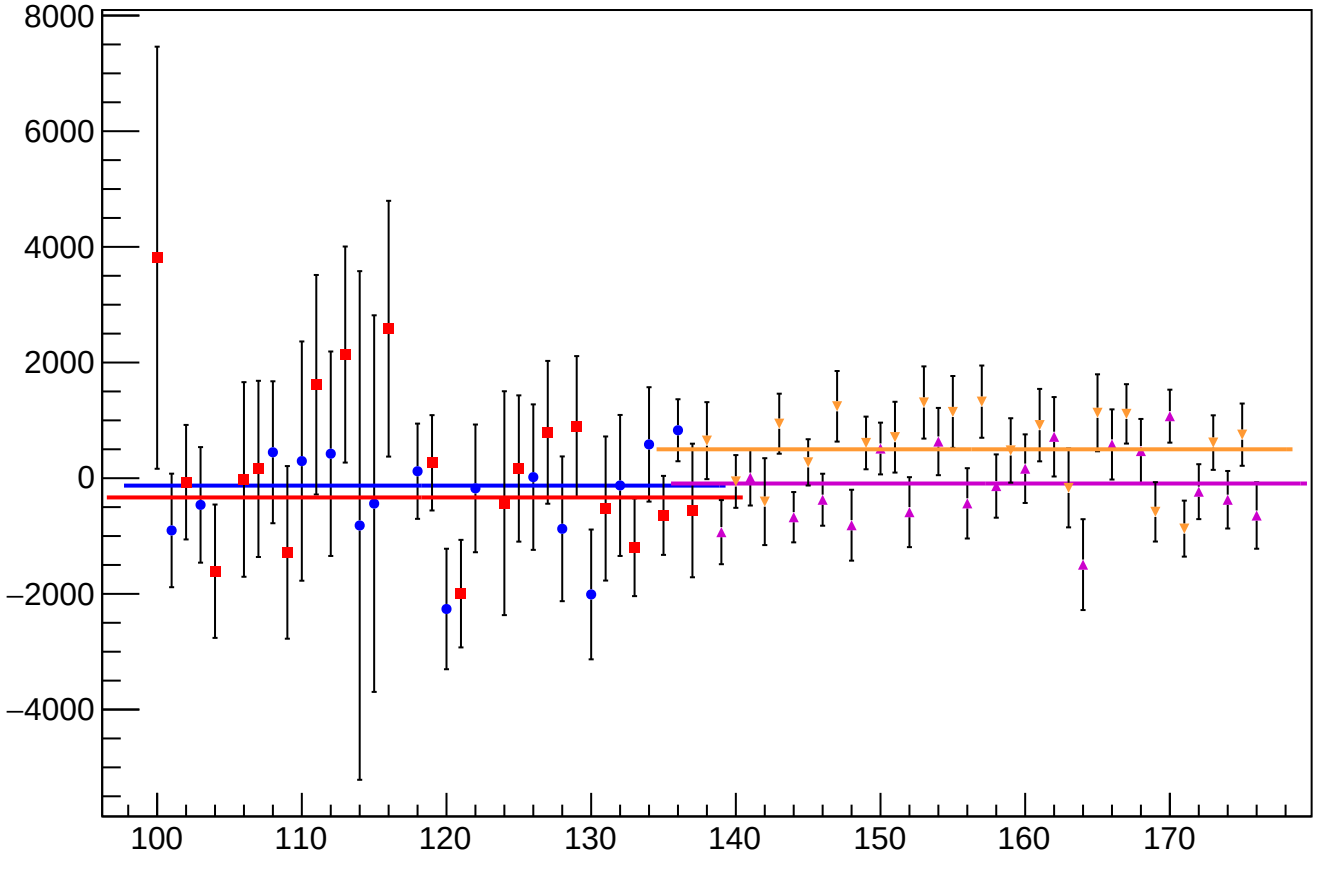
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.902+/-0.014 χ^2/NDF:1217102.7/34

Out: 90.660+/-0.013 χ^2/NDF:1291806.8/38

All: 90.283+/-0.010 χ^2/NDF: 2510482.0/73

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: 499.716+/-122.467 χ^2/NDF:26.7/19

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

Left: 205.421+/-86.810 χ^2/NDF: 63.4/38

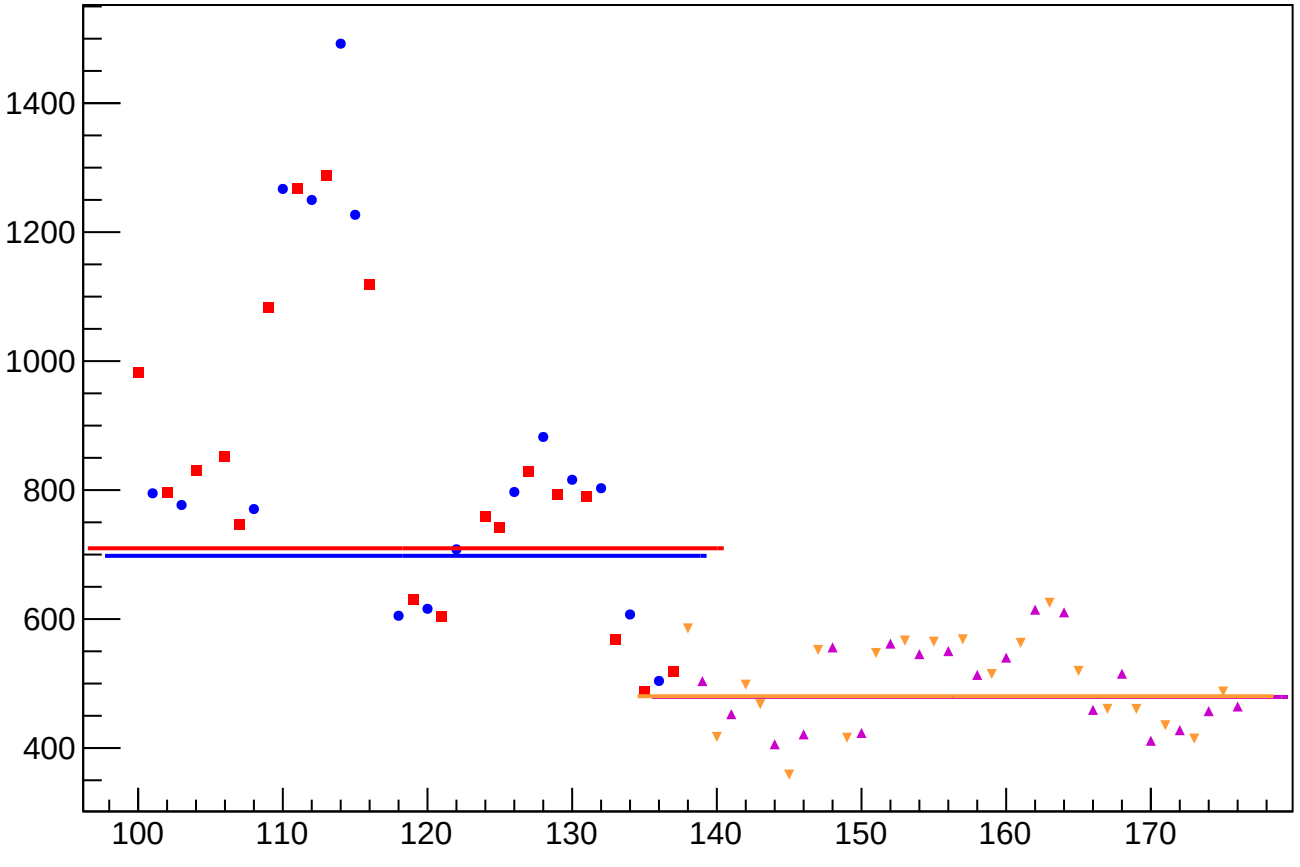
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -98.084+/-111.887 χ^2/NDF:37.4/34

Out: 358.413+/-111.589 χ^2/NDF:49.2/38

All: 130.775+/-79.010 χ^2/NDF: 95.0/73

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: 480.301+/-0.087 χ^2/NDF:683940.0/19

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

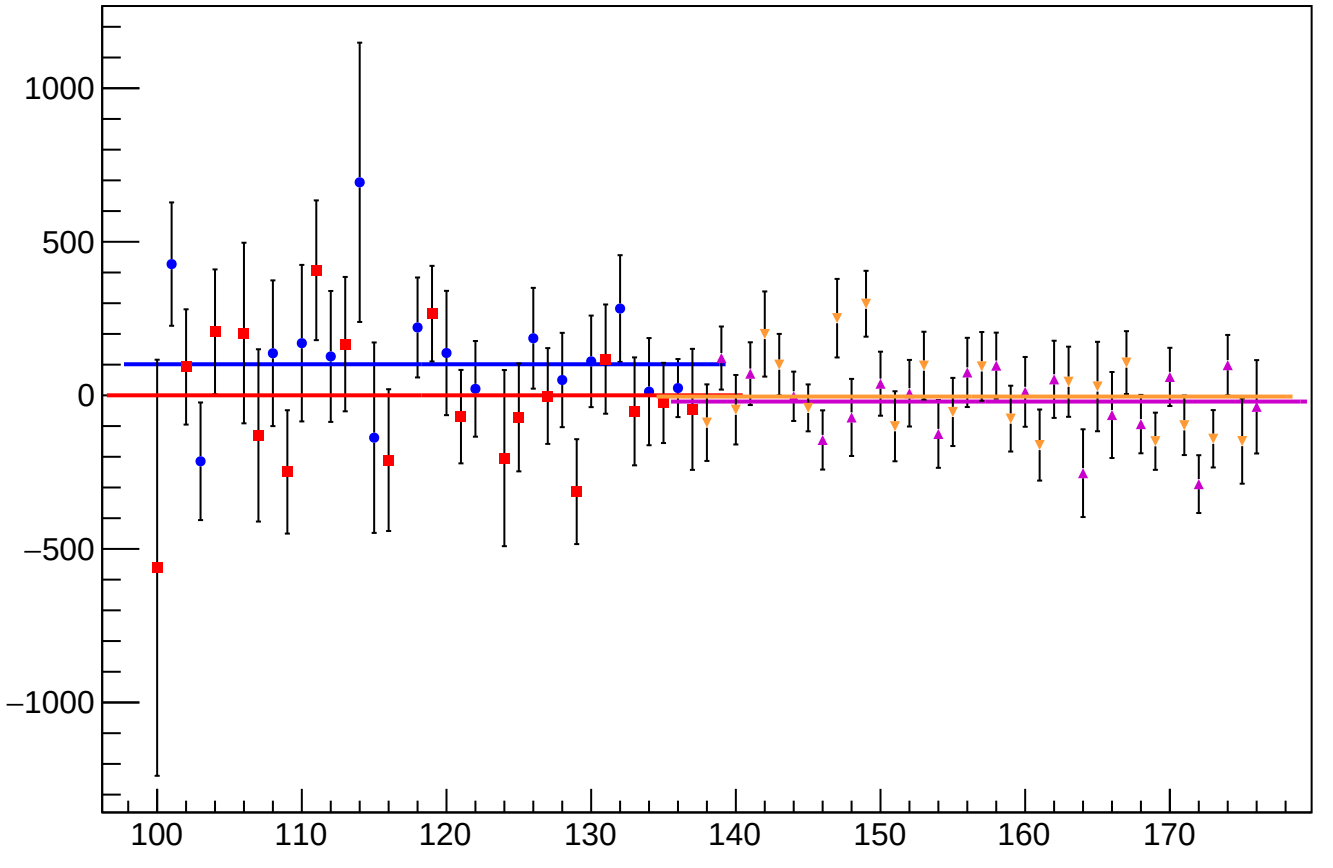
Left: 479.724+/-0.061 χ^2/NDF: 1183650.6/38

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

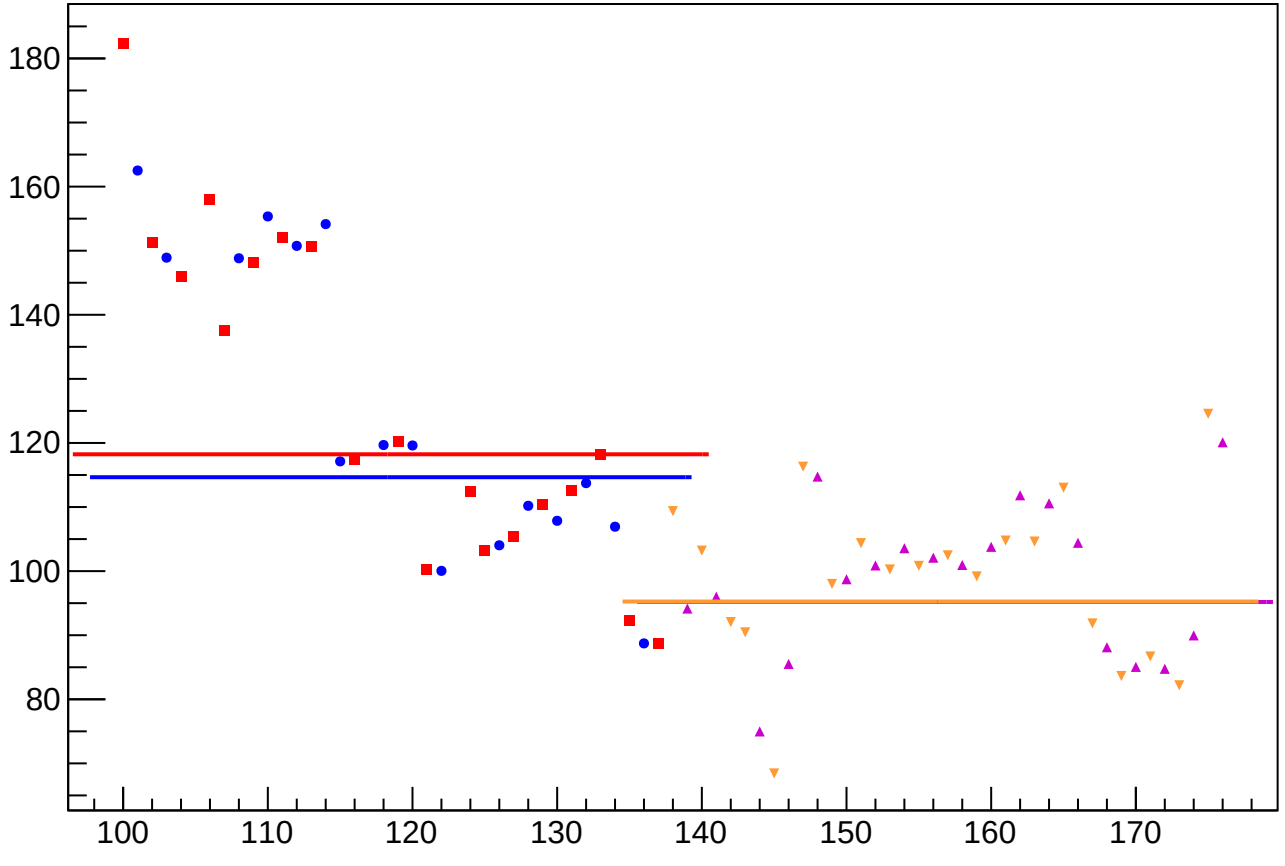
In: 517.124+/-0.079 χ^2/NDF:2510397.6/34

Out: 519.251+/-0.079 χ^2/NDF:2902820.3/38

All: 518.190+/-0.056 χ^2/NDF: 5413580.5/73


dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 101.281+/-43.510 χ²/NDF: 11.0/15
Left Out: -3.959+/-24.232 χ²/NDF:28.9/19
Right Out: 0.125+/-44.035 χ²/NDF: 16.6/18
Left In: -20.205+/-24.520 χ²/NDF:21.9/18
Left: -11.986+/-17.236 χ²/NDF: 51.0/38
Right: 51.310+/-30.950 χ²/NDF: 30.3/34
In: 9.078+/-21.361 χ²/NDF:38.8/34
Out: -3.010+/-21.230 χ²/NDF:45.5/38
All: 2.997+/-15.058 χ²/NDF: 84.4/73

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.254+/-0.017 χ^2/NDF:610269.4/19

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.185+/-0.017 χ^2/NDF:424511.7/18

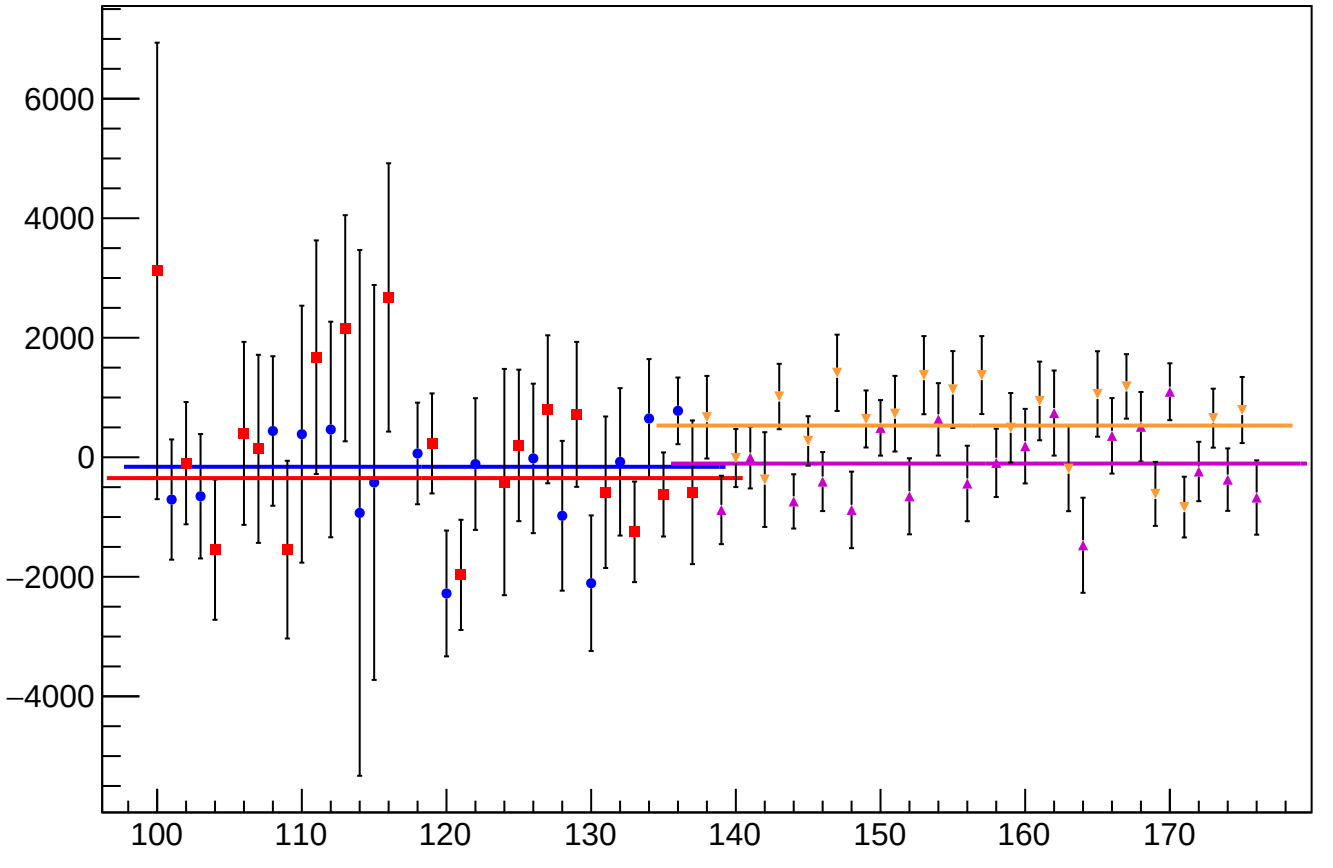
Left: 95.220+/-0.012 χ^2/NDF: 1034789.2/38

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 99.878+/-0.015 χ^2/NDF:1260436.3/34

Out: 100.595+/-0.015 χ^2/NDF:1511602.6/38

All: 100.239+/-0.011 χ^2/NDF: 2773173.1/73



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 531.158+/-128.116 χ^2/NDF:25.5/19

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -105.312+/-129.232 χ^2/NDF:23.6/18

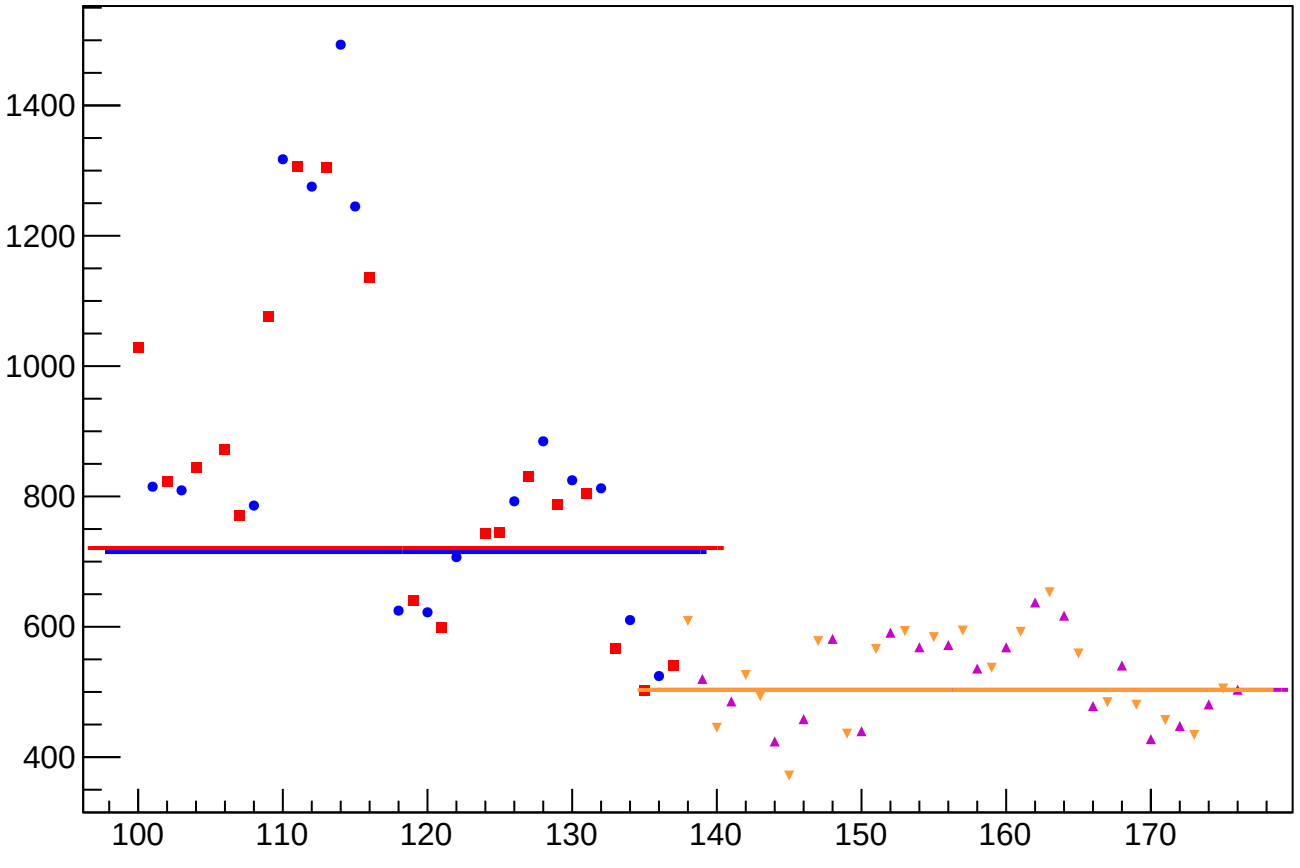
Left: 215.683+/-90.983 χ^2/NDF: 61.4/38

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -115.069+/-116.927 χ^2/NDF:35.6/34

Out: 372.956+/-116.025 χ^2/NDF:48.3/38

All: 130.832+/-82.359 χ^2/NDF: 92.7/73



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.950+/-0.091 χ^2/NDF:681238.4/19

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 503.280+/-0.091 χ^2/NDF:464370.7/18

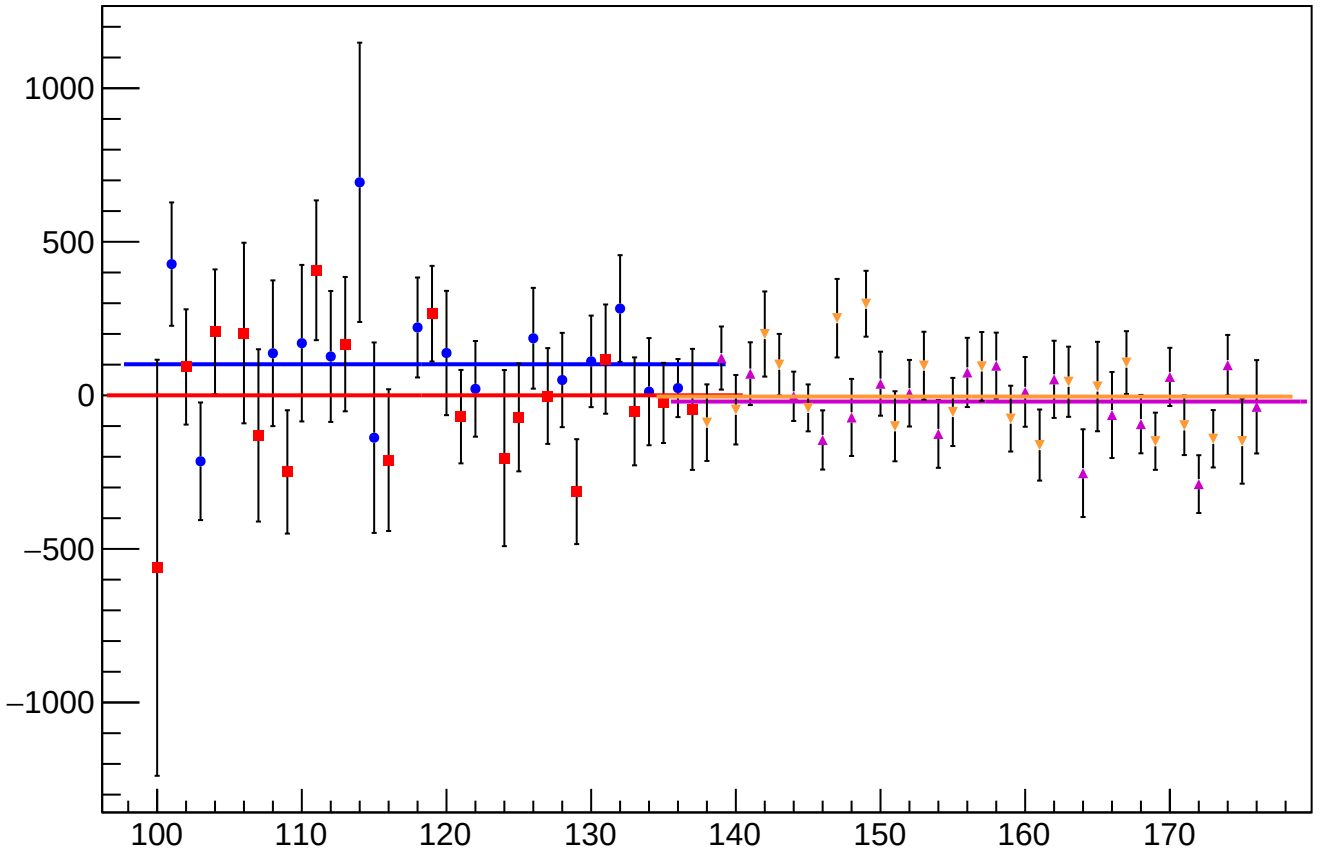
Left: 503.114+/-0.064 χ^2/NDF: 1145615.7/38

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 541.619+/-0.083 χ^2/NDF:2311105.3/34

Out: 542.143+/-0.082 χ^2/NDF:2740468.7/38

All: 541.883+/-0.058 χ^2/NDF: 5051594.3/73



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -3.961+/-24.232 χ^2/NDF:28.9/19

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -20.205+/-24.520 χ^2/NDF:21.9/18

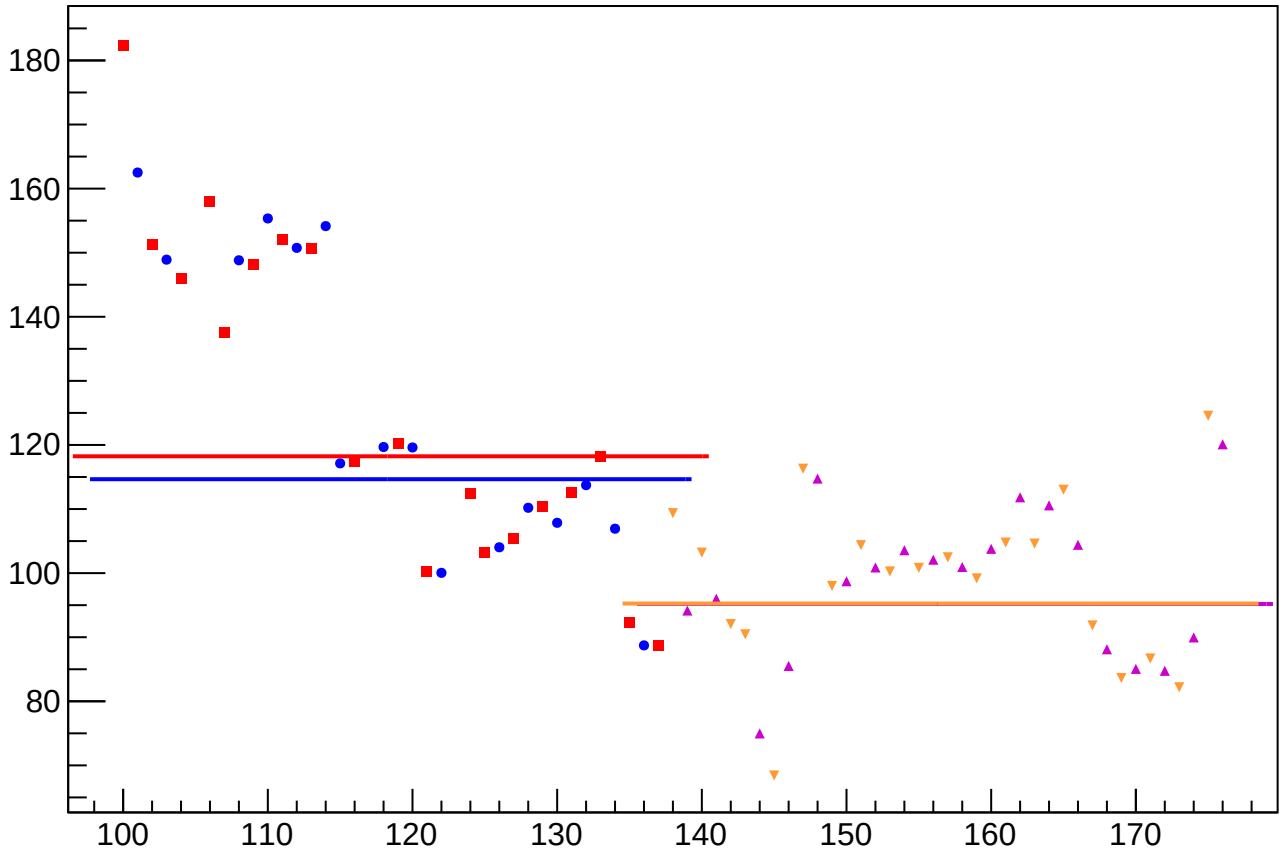
Left: -11.987+/-17.236 χ^2/NDF: 51.0/38

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 9.077+/-21.361 χ^2/NDF:38.8/34

Out: -3.011+/-21.230 χ^2/NDF:45.5/38

All: 2.996+/-15.058 χ^2/NDF: 84.4/73



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.254+/-0.017 χ^2/NDF:610277.2/19

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.185+/-0.017 χ^2/NDF:424509.3/18

Left: 95.220+/-0.012 χ^2/NDF: 1034794.6/38

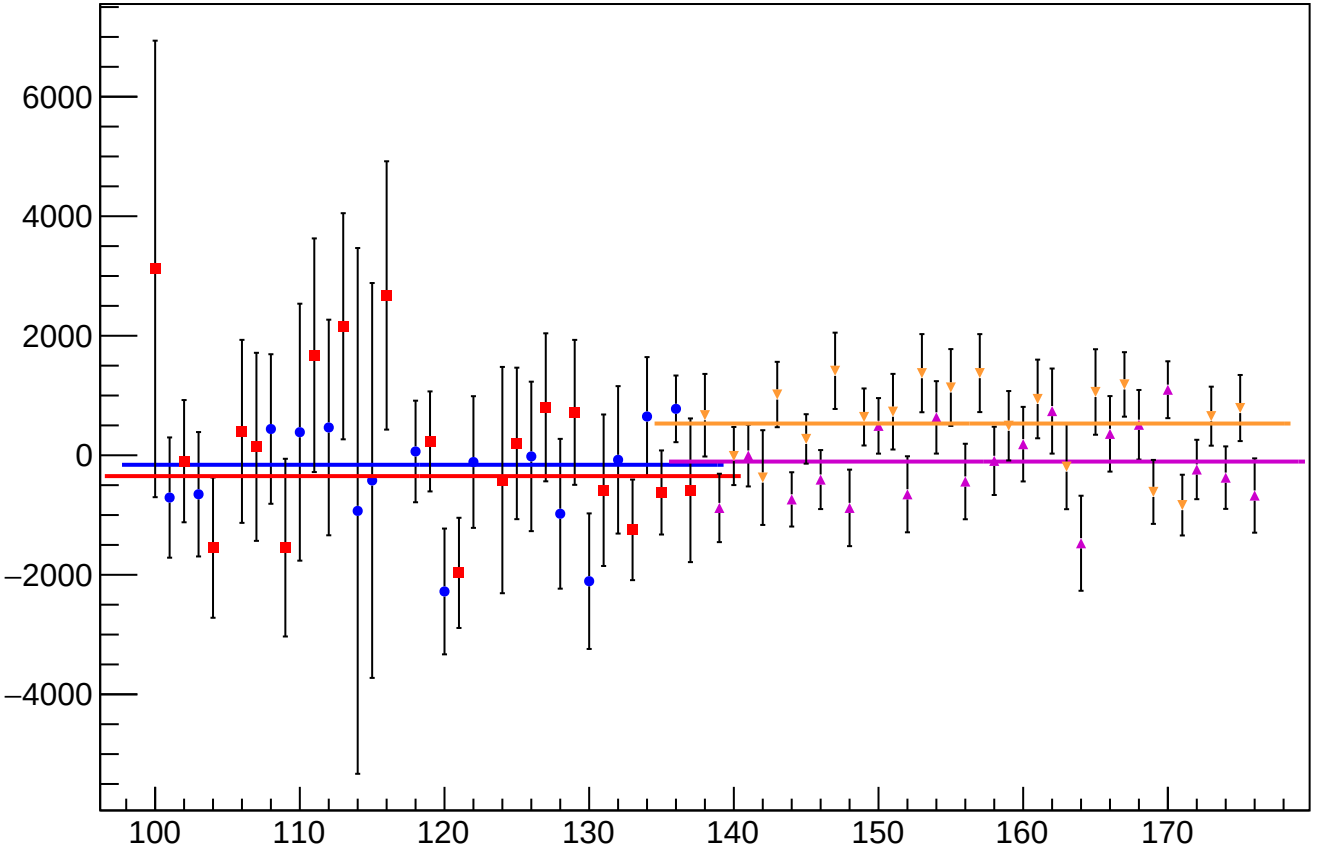
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.878+/-0.015 χ^2/NDF:1260425.0/34

Out: 100.595+/-0.015 χ^2/NDF:1511603.6/38

All: 100.239+/-0.011 χ^2/NDF: 2773162.7/73

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: 531.157+/-128.116 χ^2/NDF:25.5/19

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -105.312+/-129.232 χ^2/NDF:23.6/18

Left: 215.682+/-90.983 χ^2/NDF: 61.4/38

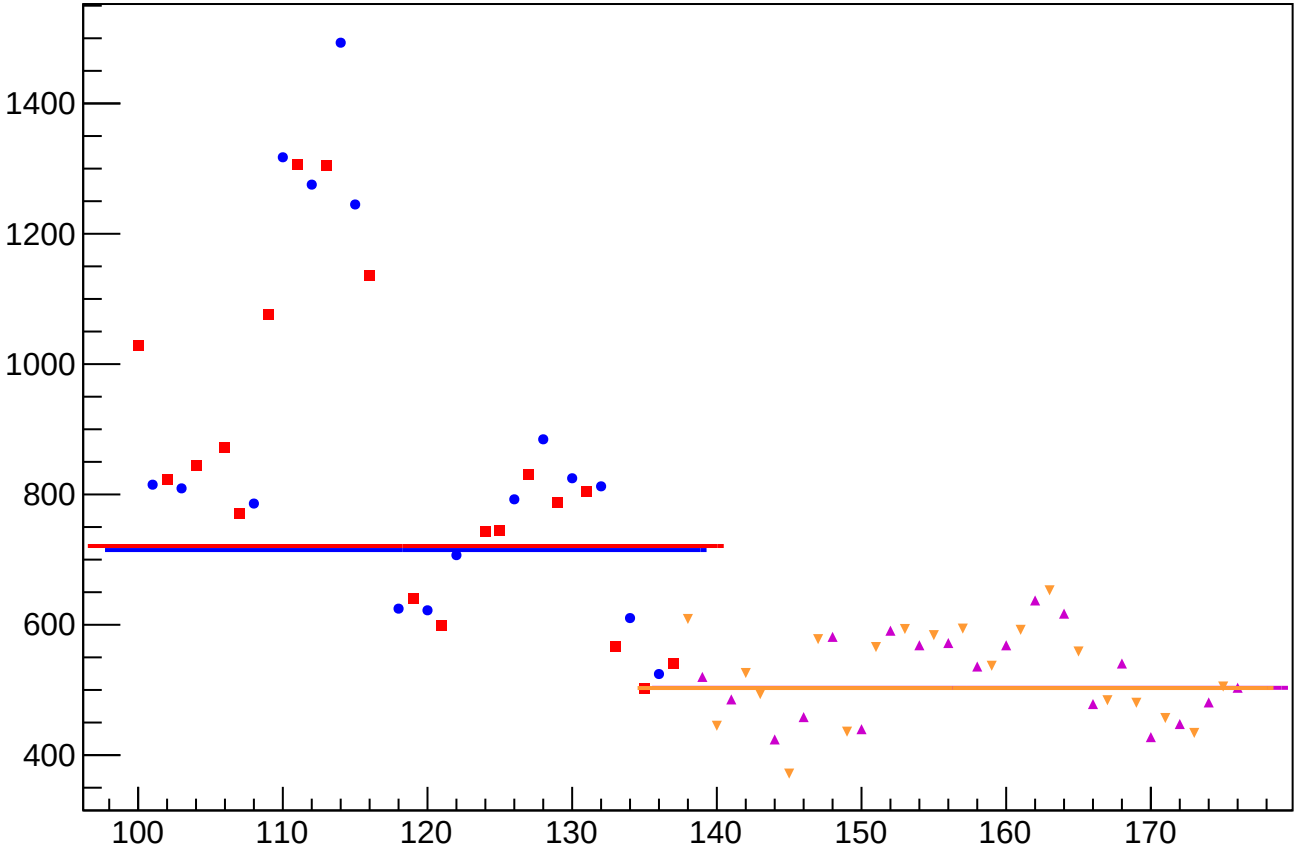
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -115.069+/-116.927 χ^2/NDF:35.6/34

Out: 372.954+/-116.025 χ^2/NDF:48.3/38

All: 130.831+/-82.359 χ^2/NDF: 92.7/73

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.950+/-0.091 χ^2/NDF:681240.4/19

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 503.280+/-0.091 χ^2/NDF:464370.2/18

Left: 503.114+/-0.064 χ^2/NDF: 1145617.2/38

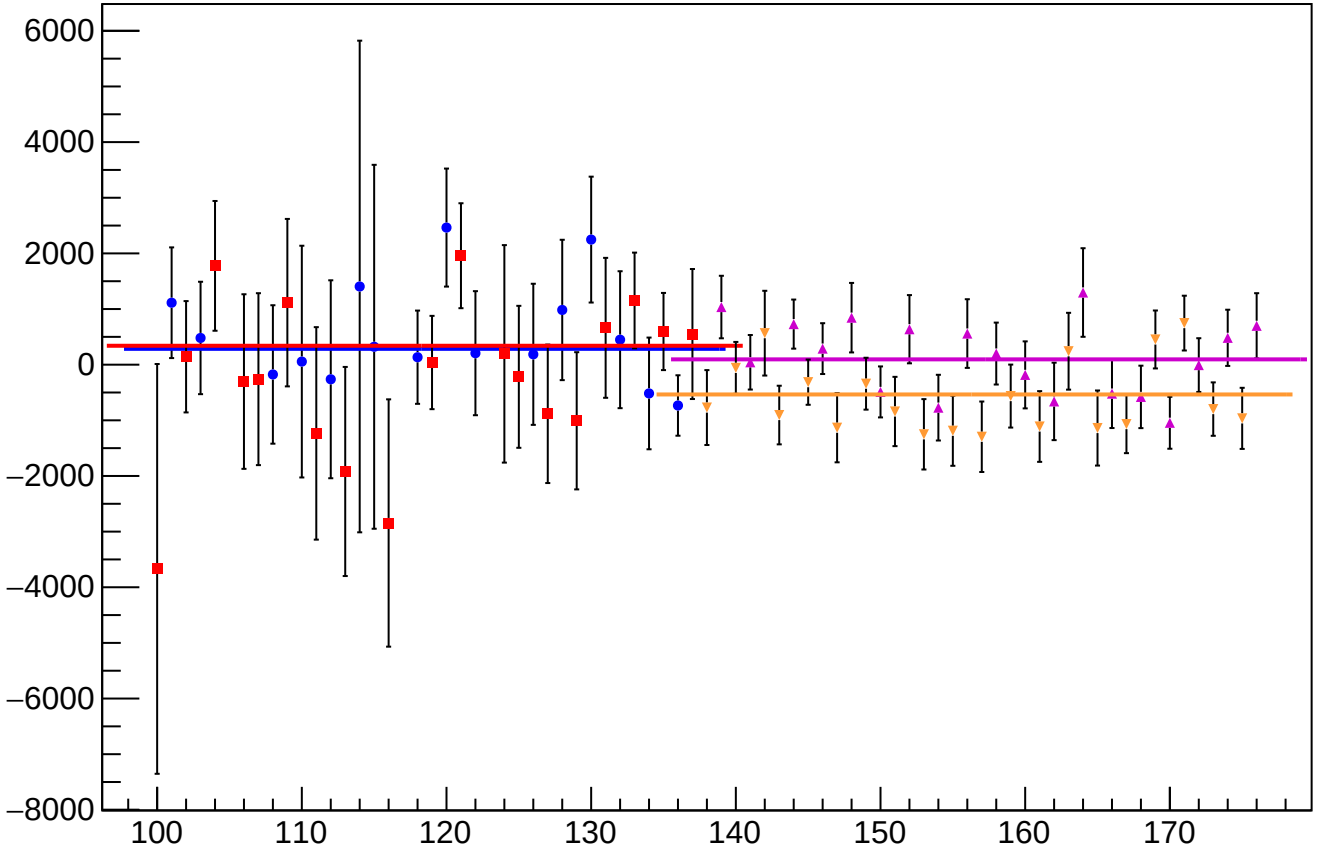
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 541.619+/-0.083 χ^2/NDF:2311100.5/34

Out: 542.143+/-0.082 χ^2/NDF:2740464.0/38

All: 541.883+/-0.058 χ^2/NDF: 5051584.8/73

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -535.064+/-124.504 χ^2/NDF:24.4/19

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 95.568+/-125.114 χ^2/NDF:25.4/18

Left: -221.290+/-88.252 χ^2/NDF: 62.6/38

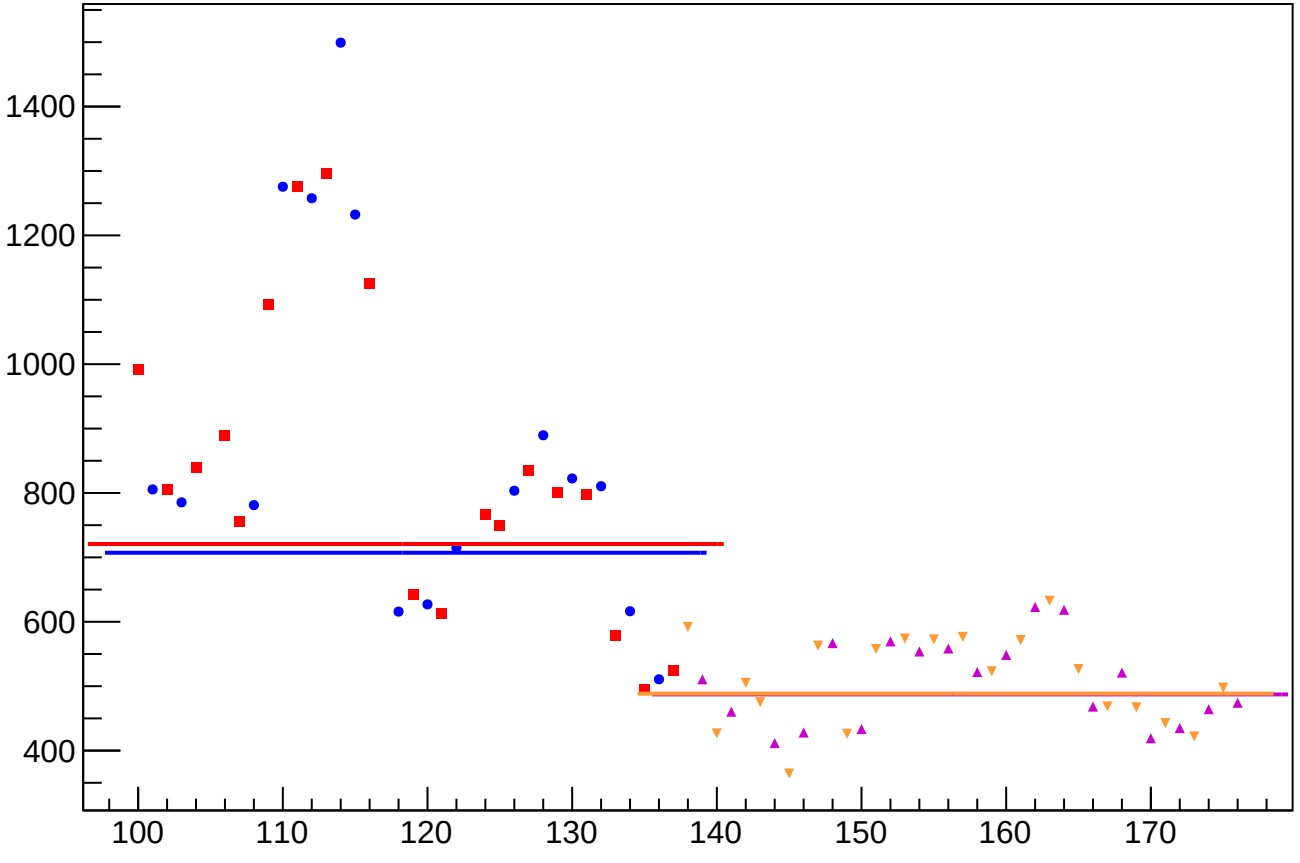
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 128.622+/-113.662 χ^2/NDF:38.6/34

Out: -384.943+/-113.322 χ^2/NDF:47.0/38

All: -128.929+/-80.251 χ^2/NDF: 95.8/73

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.519+/-0.088 χ^2/NDF:669823.6/19

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.238+/-0.088 χ^2/NDF:489475.0/18

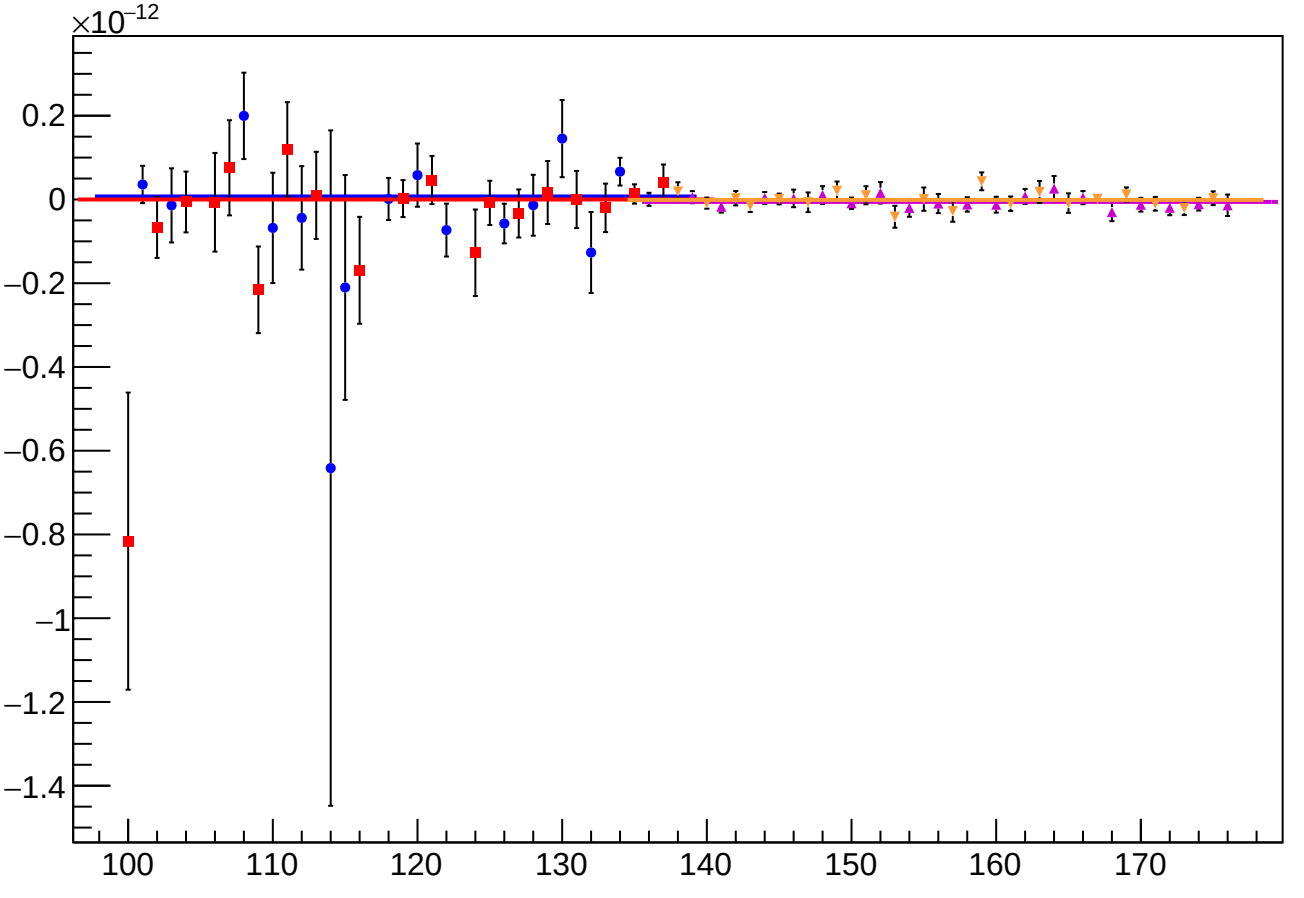
Left: 487.882+/-0.062 χ^2/NDF: 1159404.0/38

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 525.665+/-0.080 χ^2/NDF:2466152.6/34

Out: 528.363+/-0.080 χ^2/NDF:2879097.6/38

All: 527.018+/-0.057 χ^2/NDF: 5345815.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/18

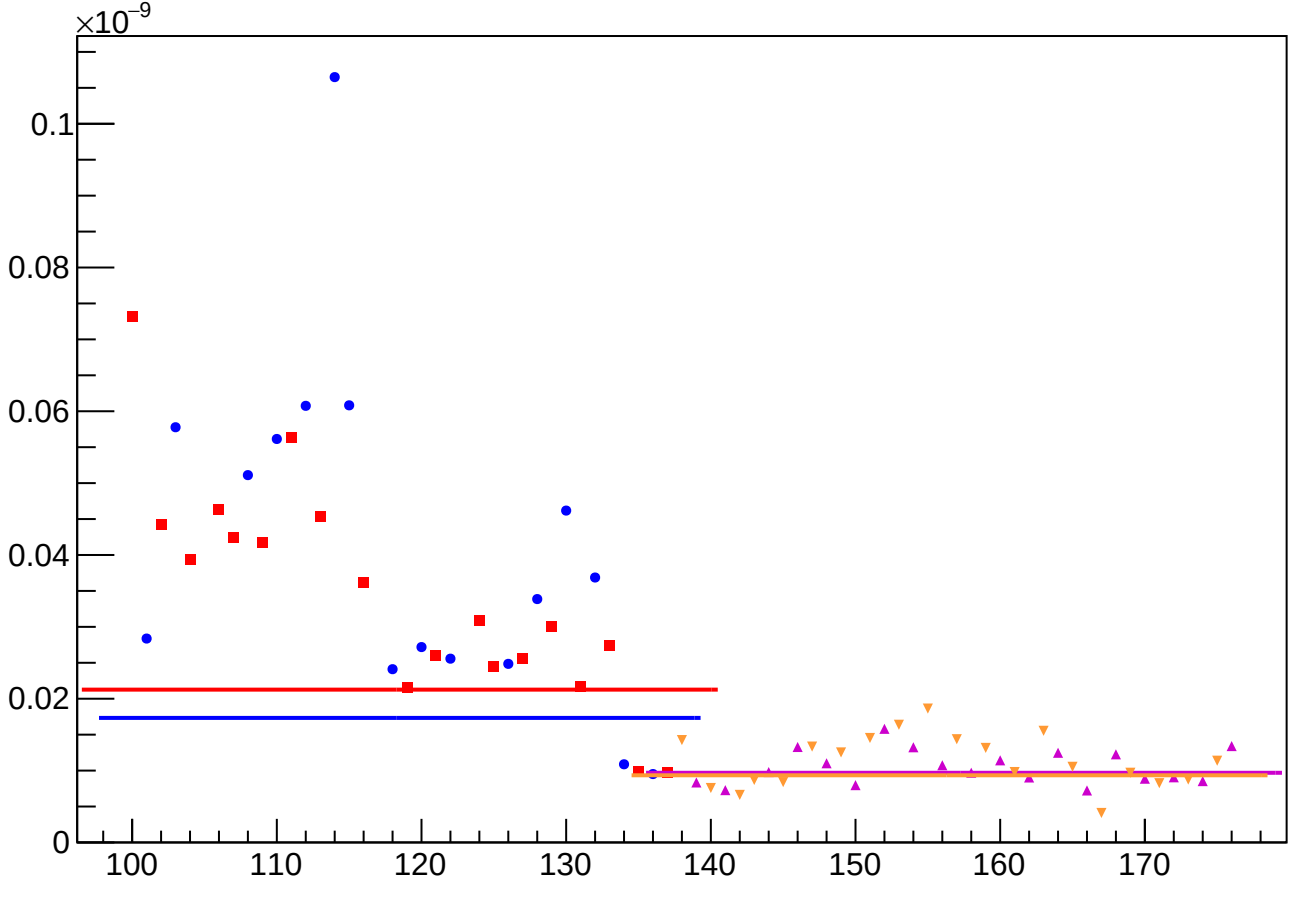
Left: -0.000+/-0.000 χ^2/NDF: 23.5/38

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:26.8/34

Out: -0.000+/-0.000 χ^2/NDF:32.3/38

All: -0.000+/-0.000 χ^2/NDF: 59.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719173.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:523906.4/18

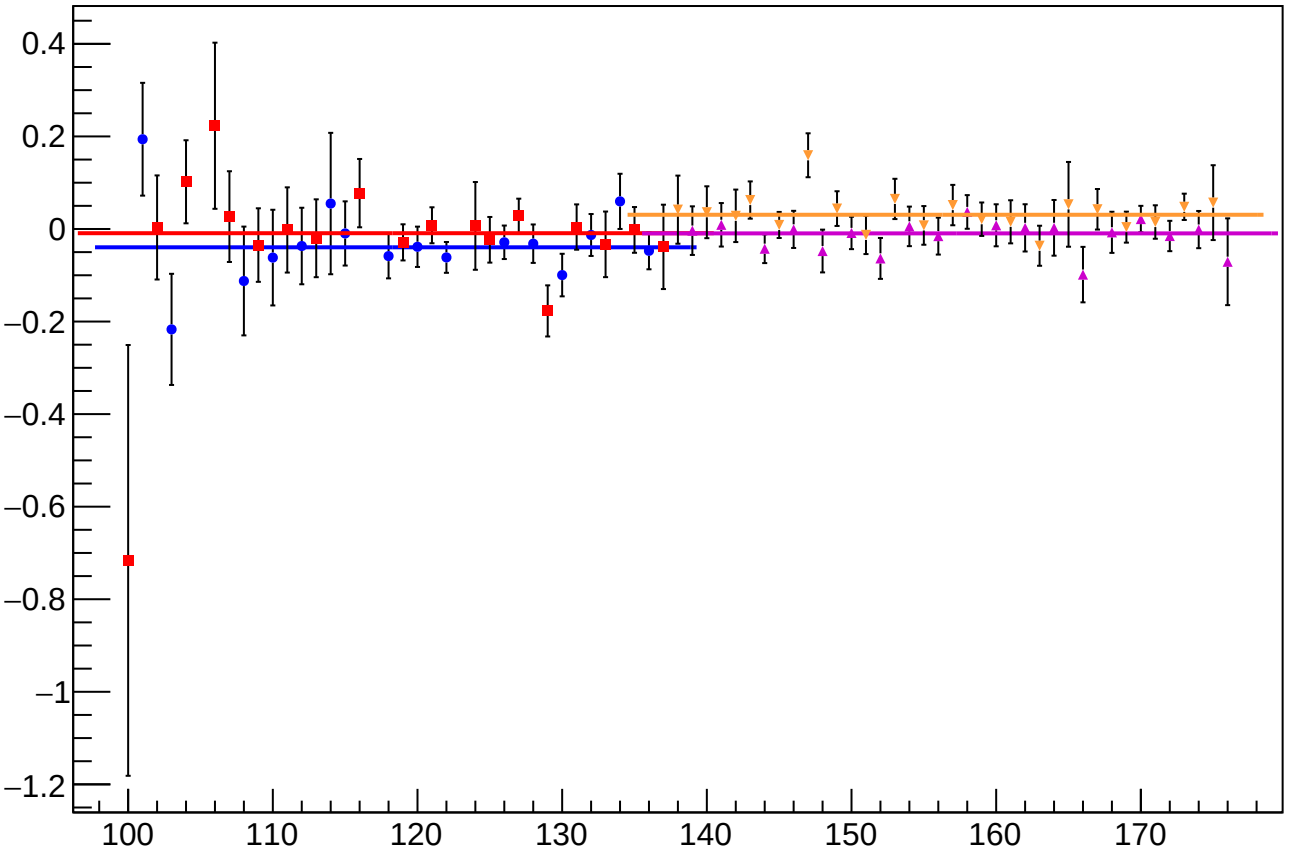
Left: 0.000+/-0.000 χ^2/NDF: 2250703.8/38

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3677863.5/34

Out: 0.000+/-0.000 χ^2/NDF:4850930.3/38

All: 0.000+/-0.000 χ^2/NDF: 8534717.5/73



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

Left: 0.011+/-0.007 χ^2/NDF: 33.5/38

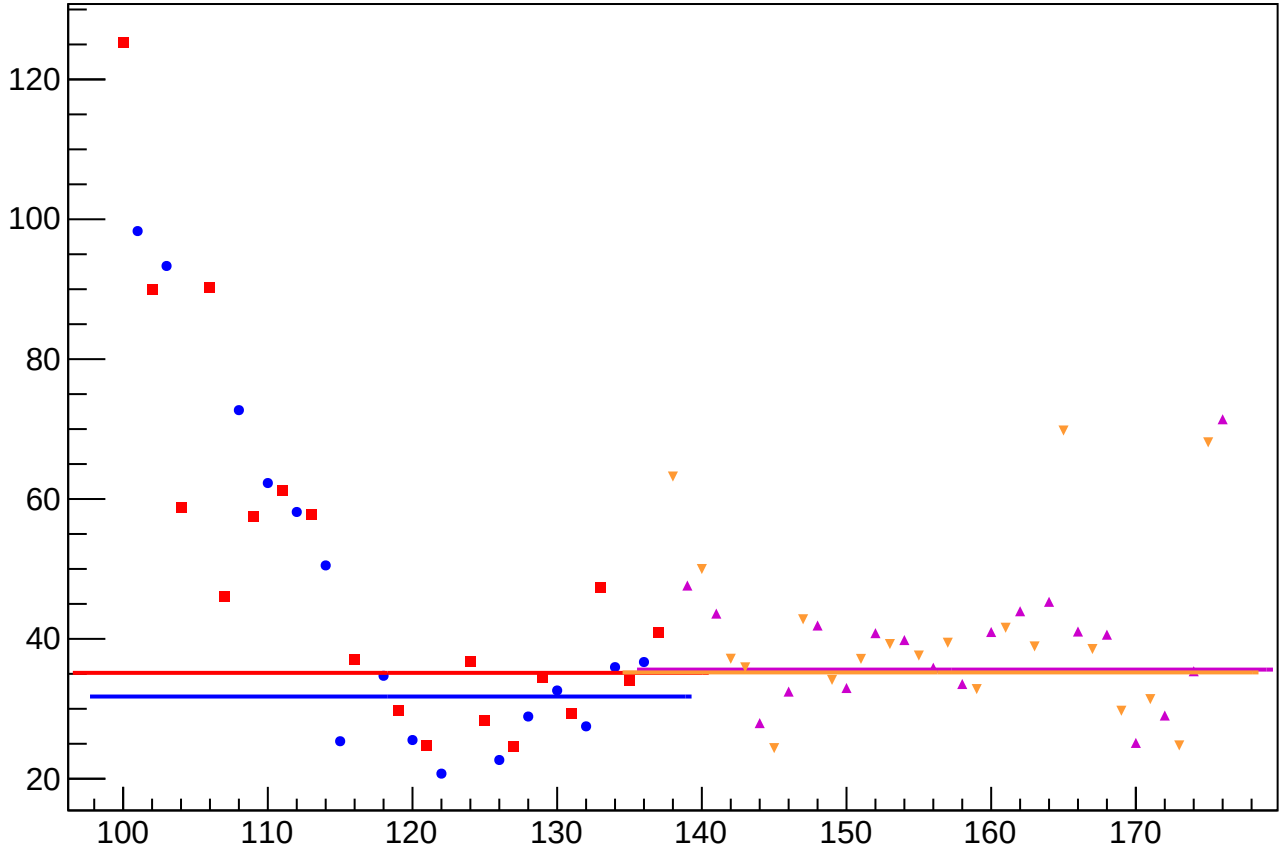
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 76.4/73

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: 35.204+/-0.007 χ^2/NDF:1862726.6/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

Left: 35.401+/-0.005 χ^2/NDF: 3080243.0/38

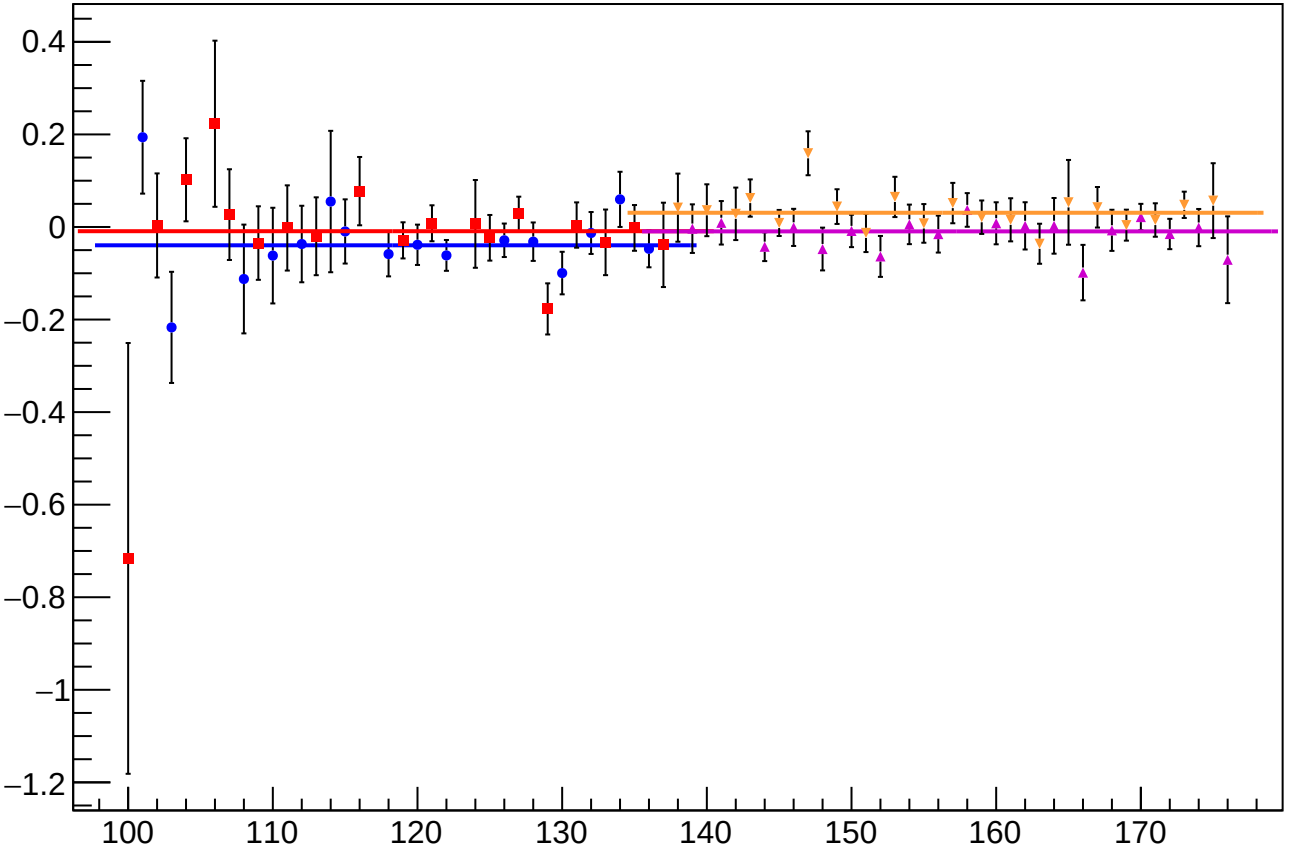
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.282+/-0.005 χ^2/NDF:3580429.3/34

Out: 35.184+/-0.006 χ^2/NDF:3707431.6/38

All: 34.729+/-0.004 χ^2/NDF: 7301396.7/73

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

Left: 0.011+/-0.007 χ^2/NDF: 33.5/38

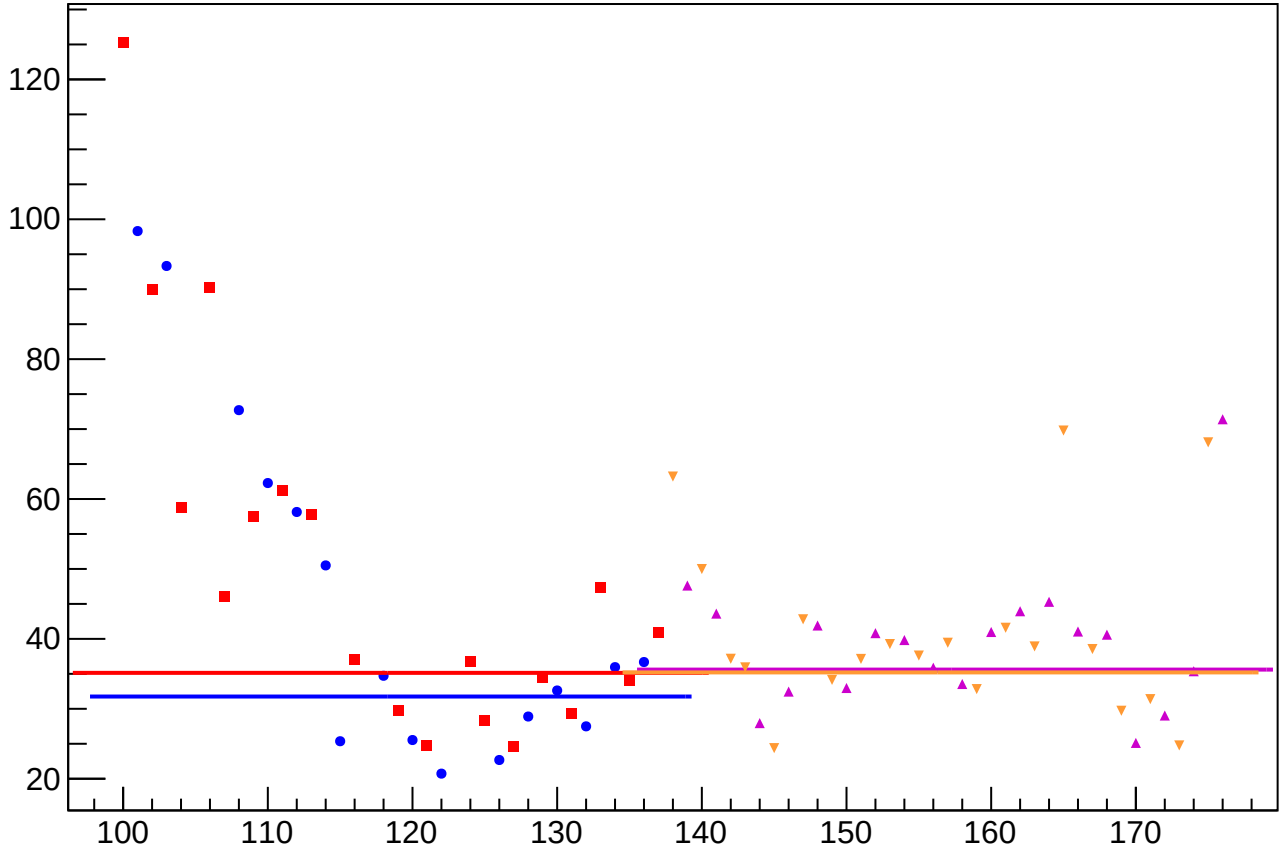
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 76.4/73

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: 35.204+/-0.007 χ^2/NDF:1862726.6/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

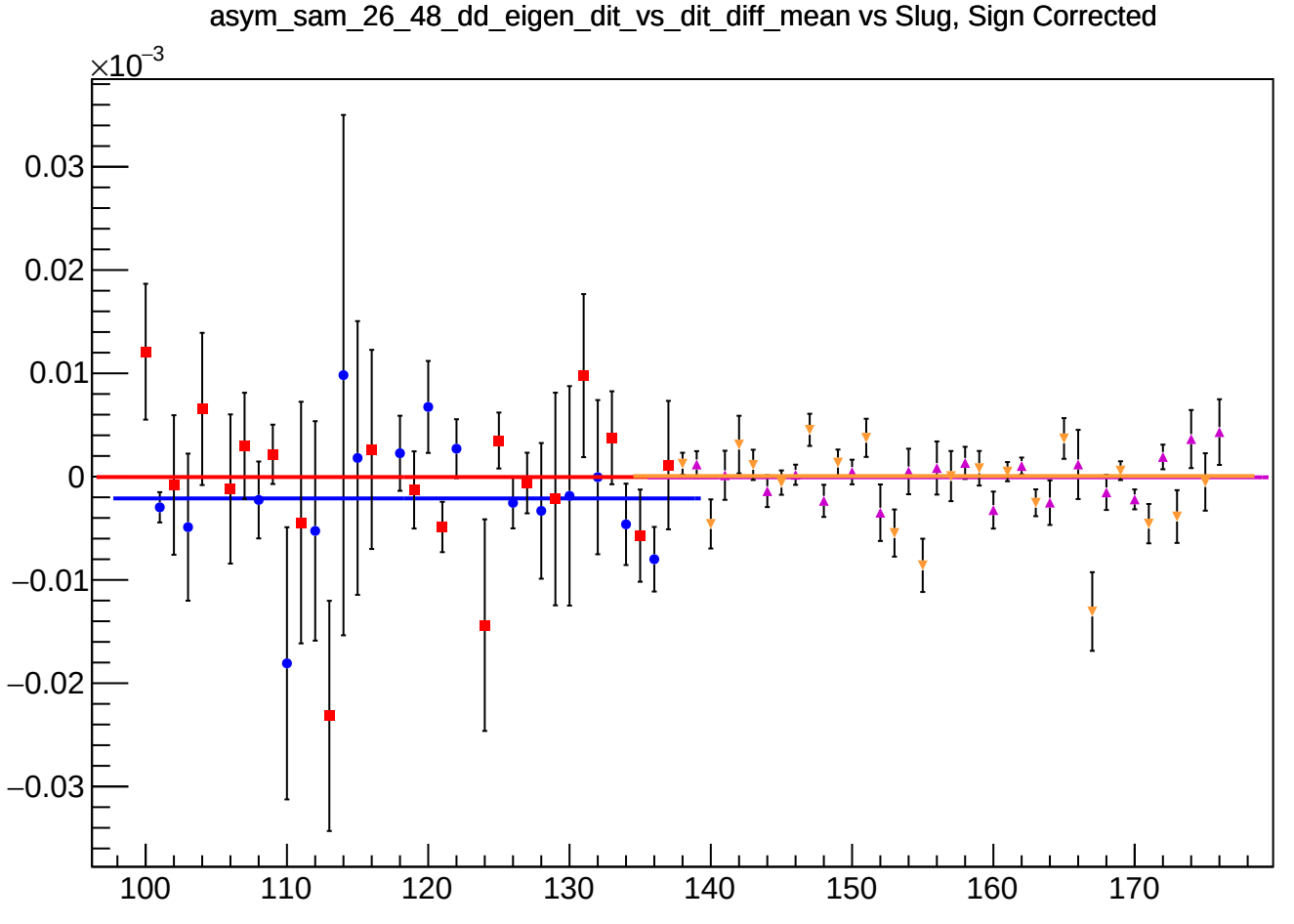
Left: 35.401+/-0.005 χ^2/NDF: 3080243.0/38

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.282+/-0.005 χ^2/NDF:3580429.3/34

Out: 35.184+/-0.006 χ^2/NDF:3707431.6/38

All: 34.729+/-0.004 χ^2/NDF: 7301396.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/18

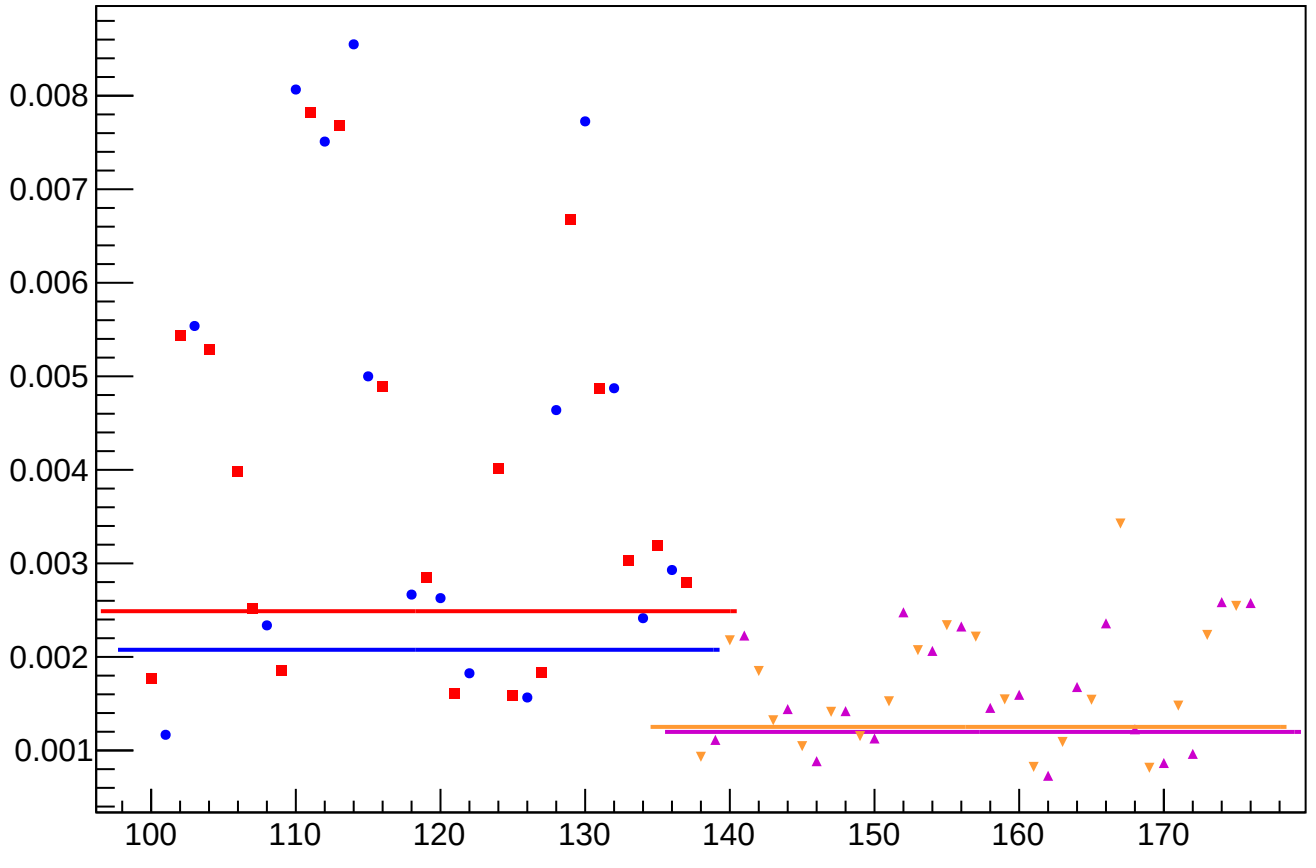
Left: -0.000+/-0.000 χ^2/NDF: 90.9/38

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:44.2/34

Out: 0.000+/-0.000 χ^2/NDF:87.2/38

All: -0.000+/-0.000 χ^2/NDF: 132.0/73



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4081541.5/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4147650.6/18

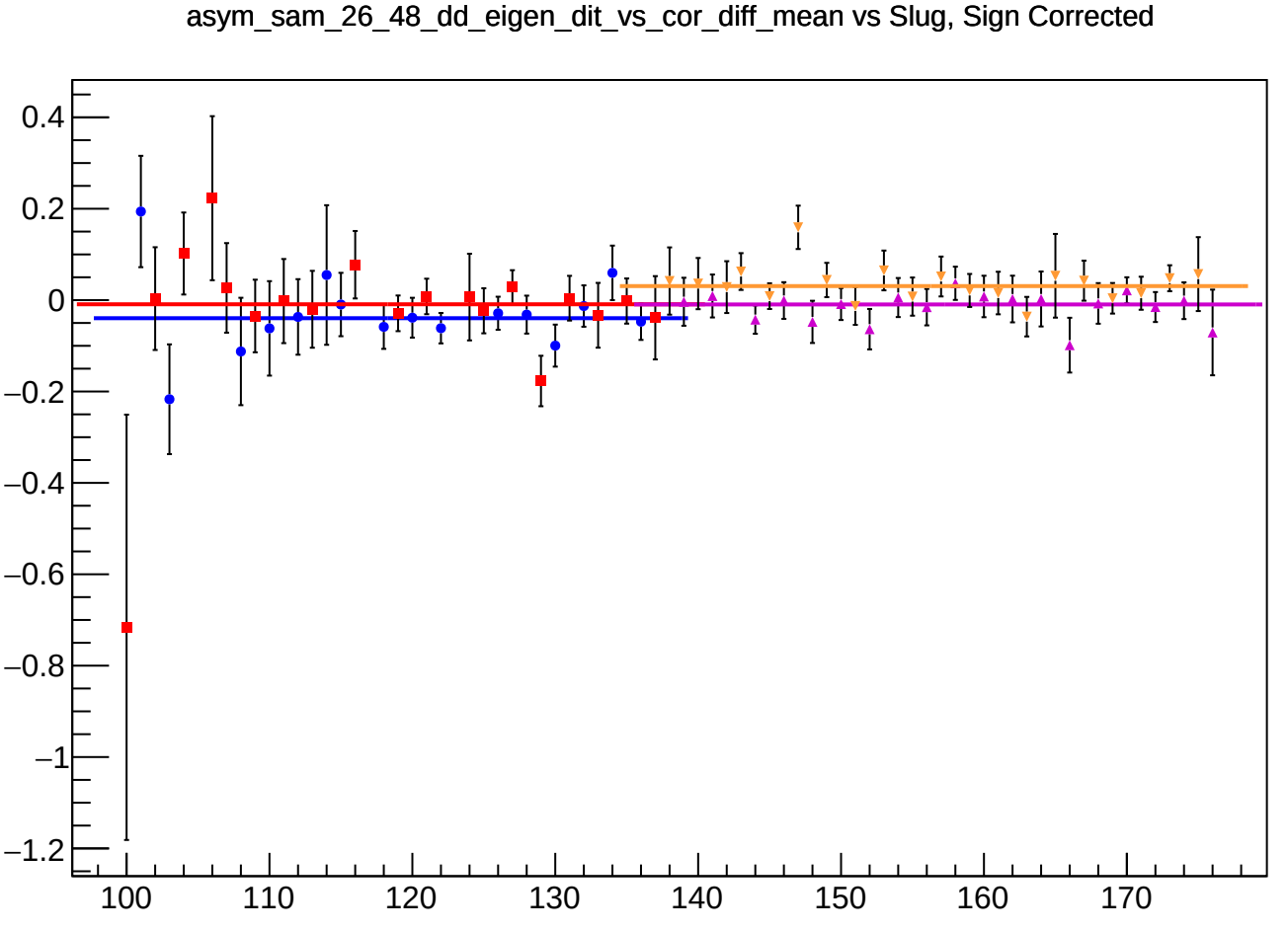
Left: 0.001+/-0.000 χ^2/NDF: 8253933.3/38

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9702753.3/34

Out: 0.001+/-0.000 χ^2/NDF:9713994.6/38

All: 0.001+/-0.000 χ^2/NDF: 19462311.3/73



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

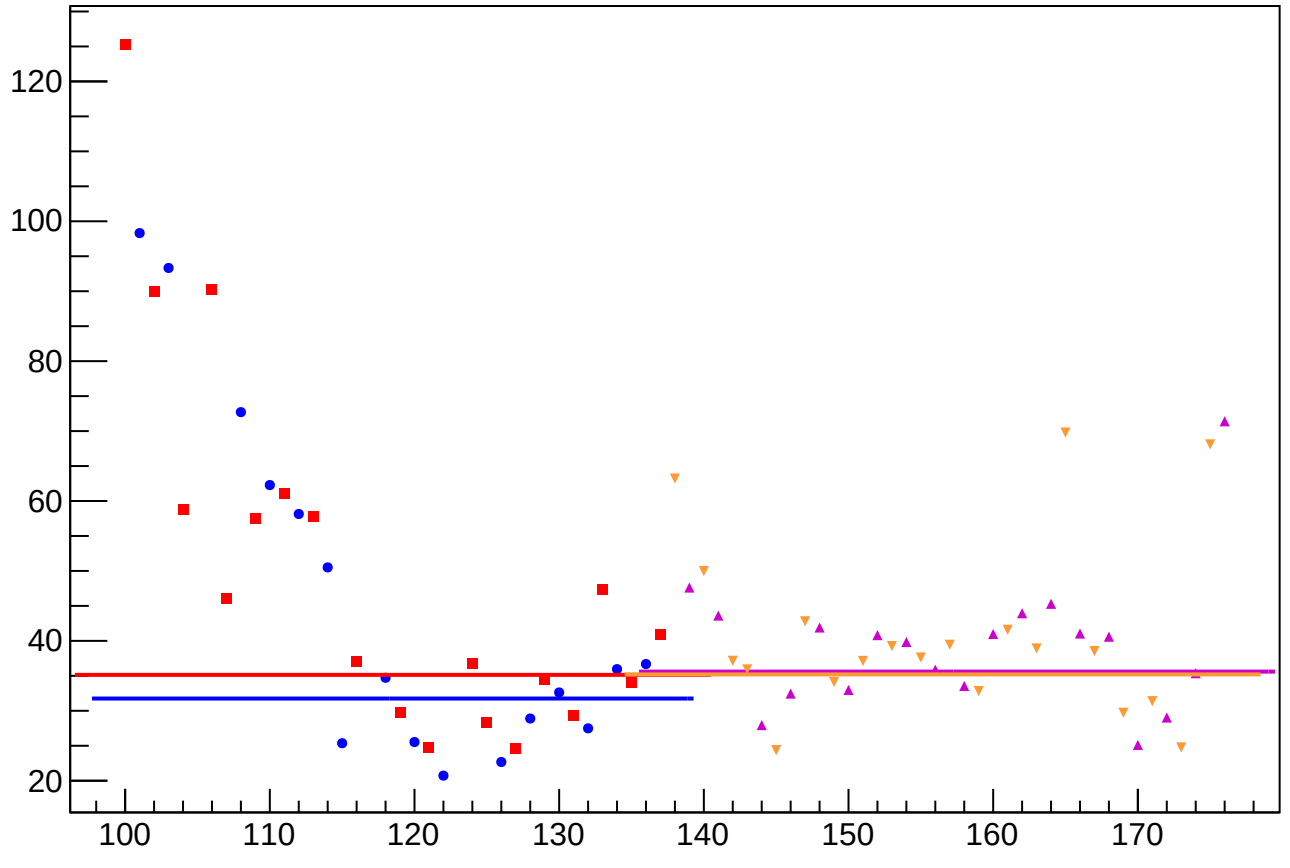
Left: 0.011+/-0.007 χ^2/NDF: 33.5/38

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 76.4/73



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.204+/-0.007 χ^2/NDF:1862766.3/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

Left: 35.401+/-0.005 χ^2/NDF: 3080276.7/38

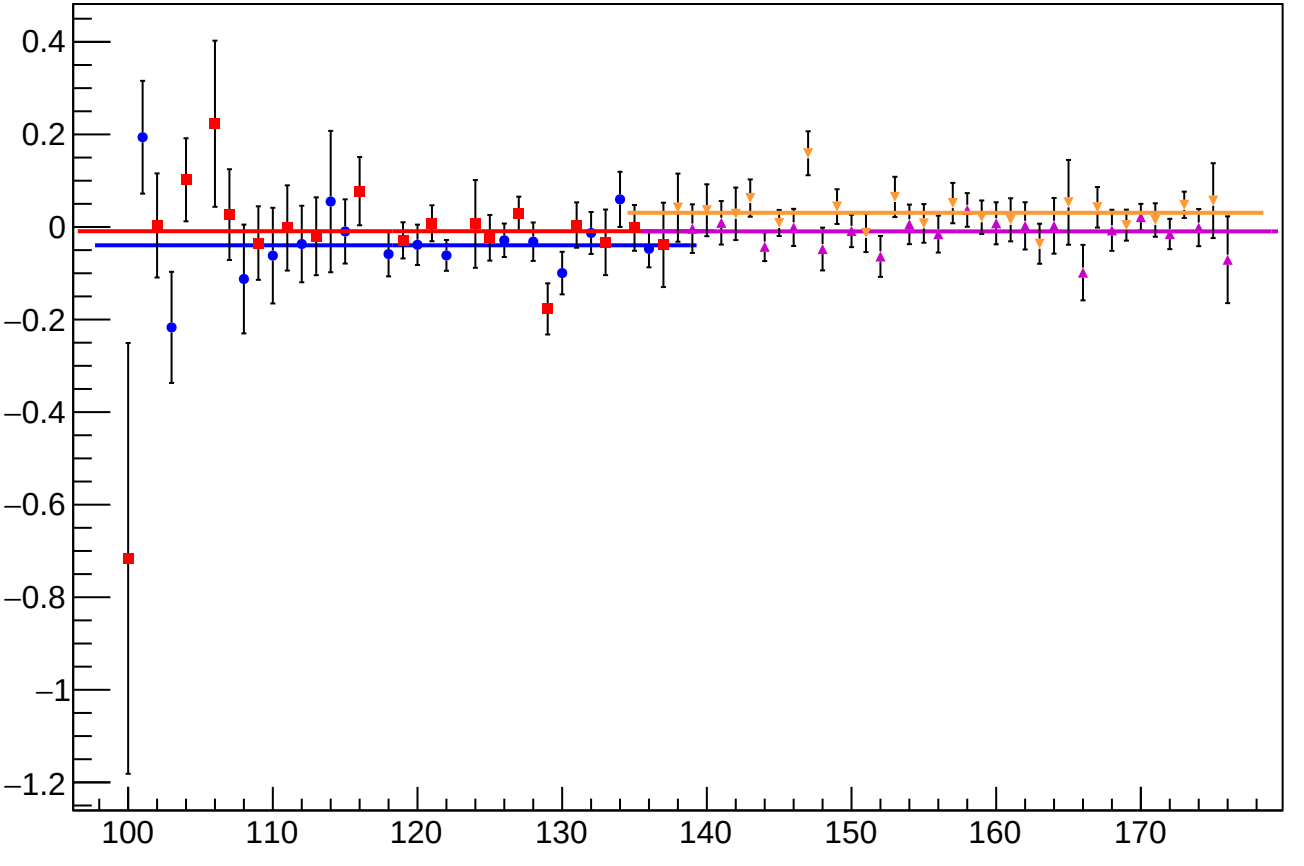
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.283+/-0.005 χ^2/NDF:3580373.1/34

Out: 35.184+/-0.006 χ^2/NDF:3707366.8/38

All: 34.729+/-0.004 χ^2/NDF: 7301276.1/73

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.0/19

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

Left: 0.011+/-0.007 χ^2/NDF: 33.5/38

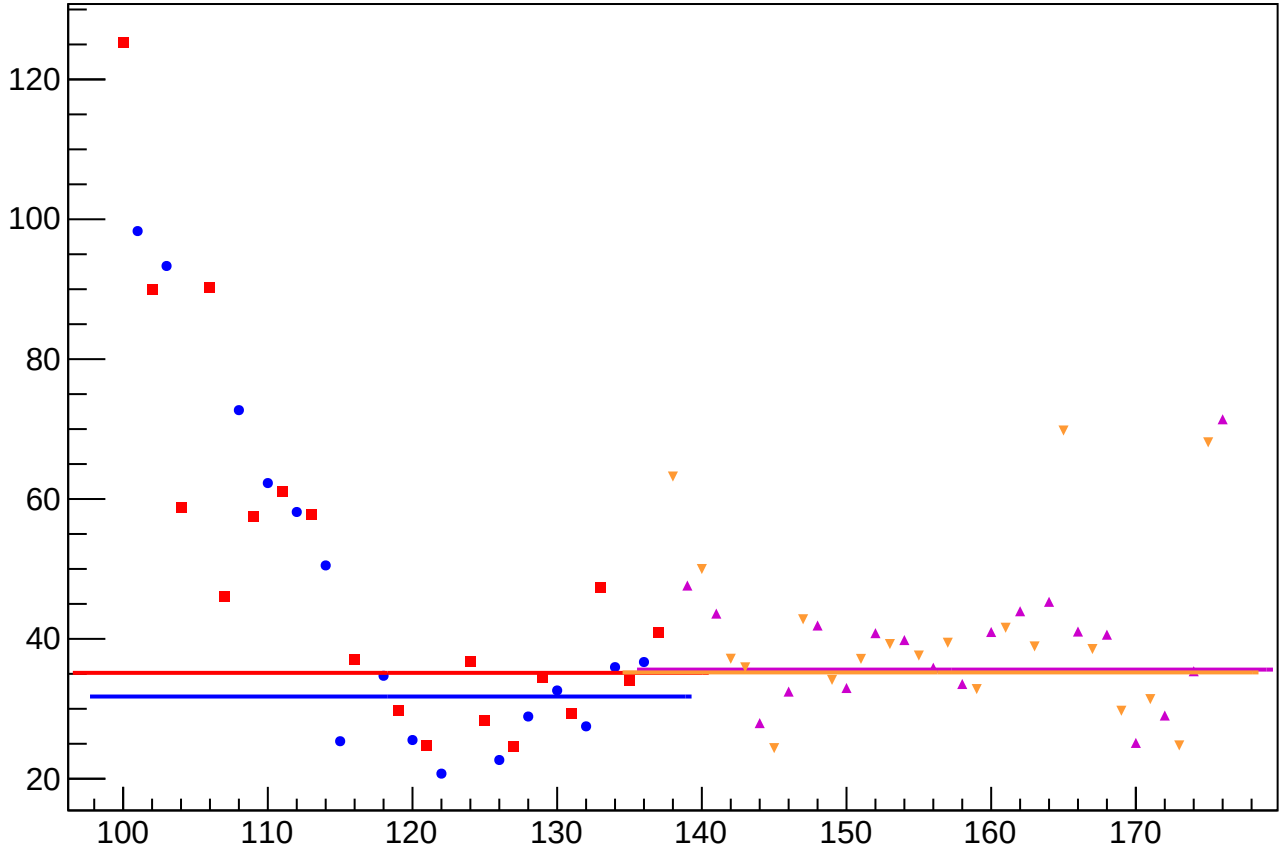
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.019+/-0.008 χ^2/NDF:38.8/38

All: -0.001+/-0.005 χ^2/NDF: 76.4/73

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: 35.204+/-0.007 χ^2/NDF:1862766.3/19

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

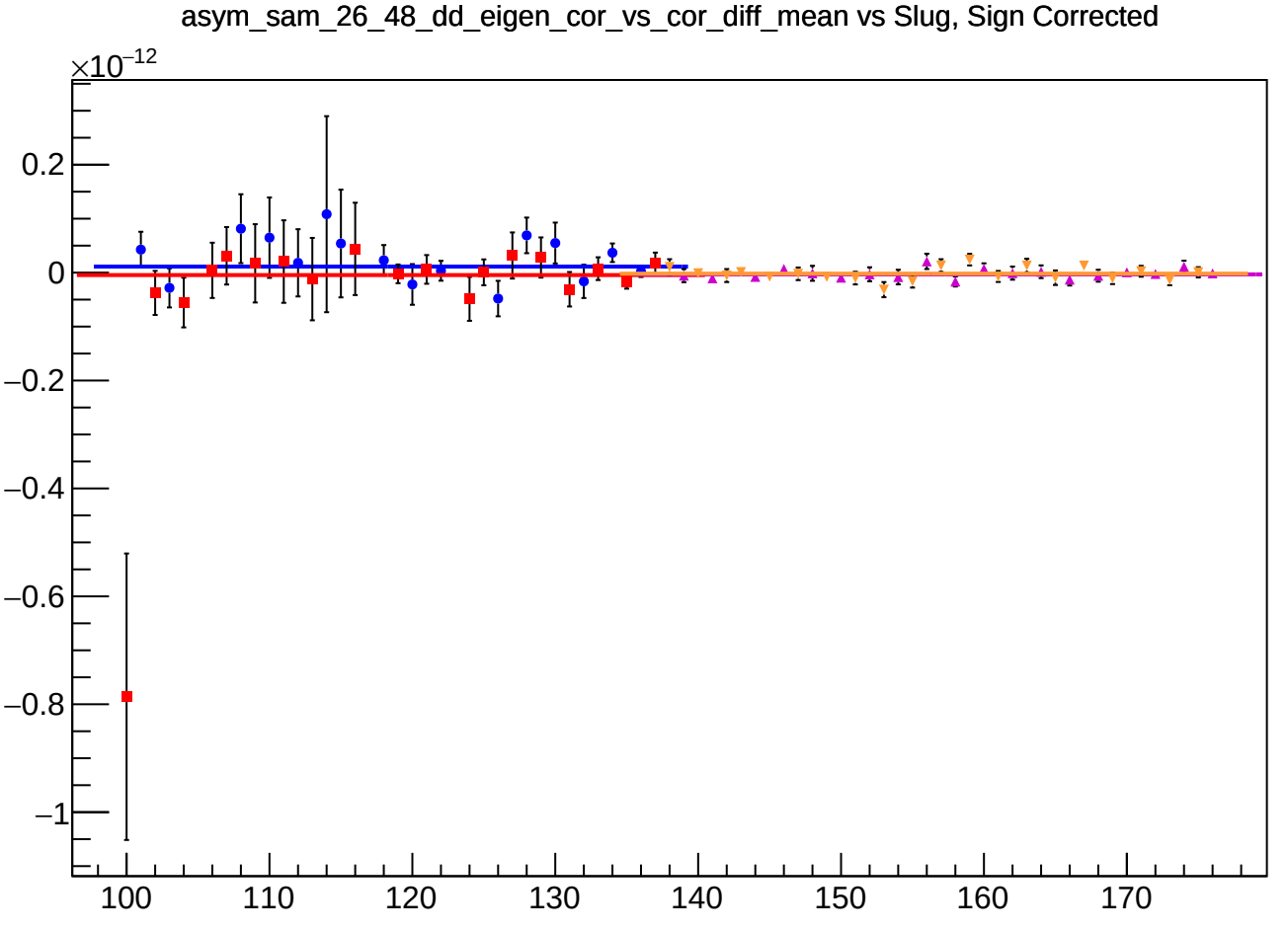
Left: 35.401+/-0.005 χ^2/NDF: 3080276.7/38

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.283+/-0.005 χ^2/NDF:3580373.1/34

Out: 35.184+/-0.006 χ^2/NDF:3707366.8/38

All: 34.729+/-0.004 χ^2/NDF: 7301276.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/18

Left: -0.000+/-0.000 χ^2/NDF: 36.0/38

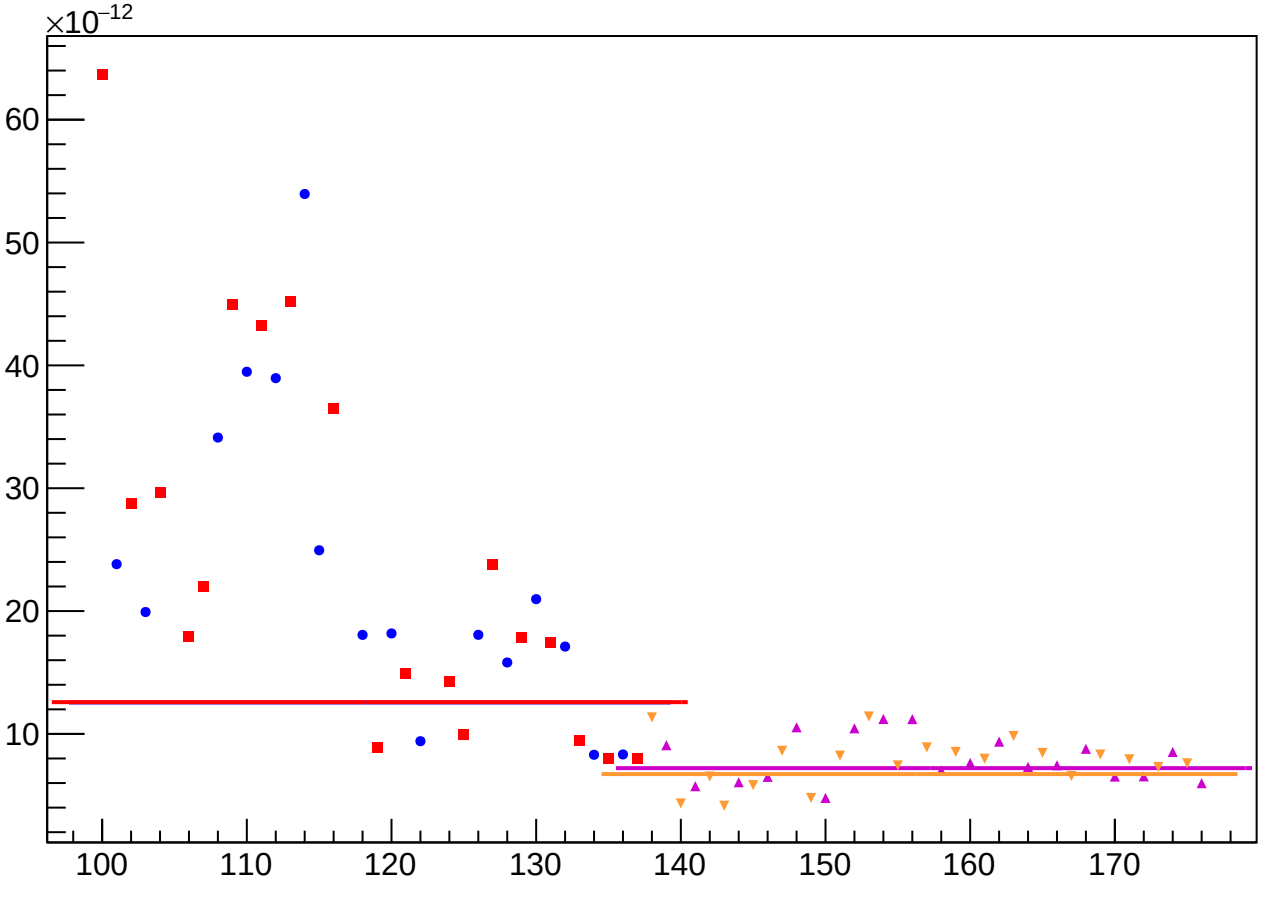
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:40.9/38

All: -0.000+/-0.000 χ^2/NDF: 74.8/73

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758237.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1170611.8/18

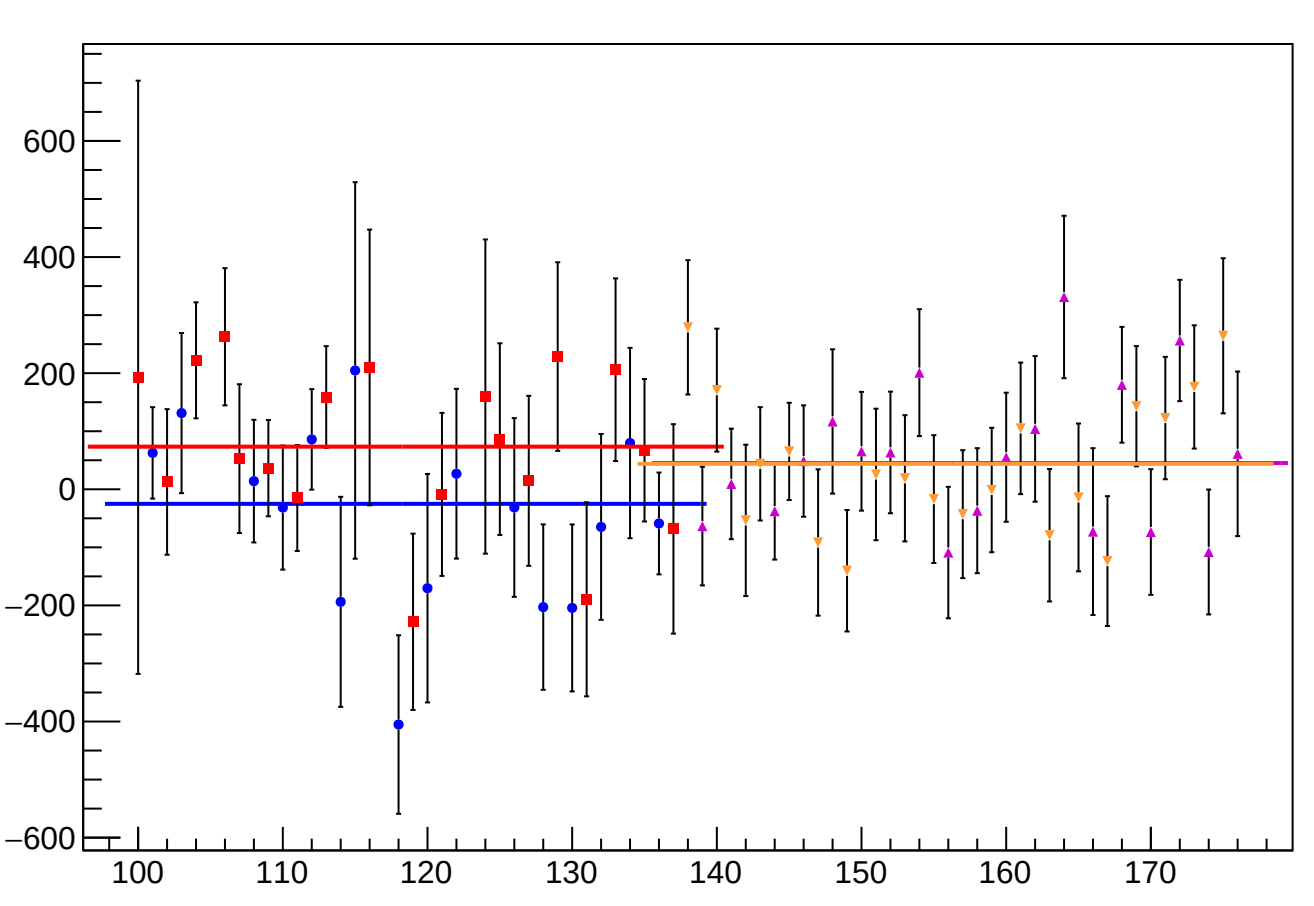
Left: 0.000+/-0.000 χ^2/NDF: 2976823.5/38

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4560348.8/34

Out: 0.000+/-0.000 χ^2/NDF:5911595.0/38

All: 0.000+/-0.000 χ^2/NDF: 10534413.9/73



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.867+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

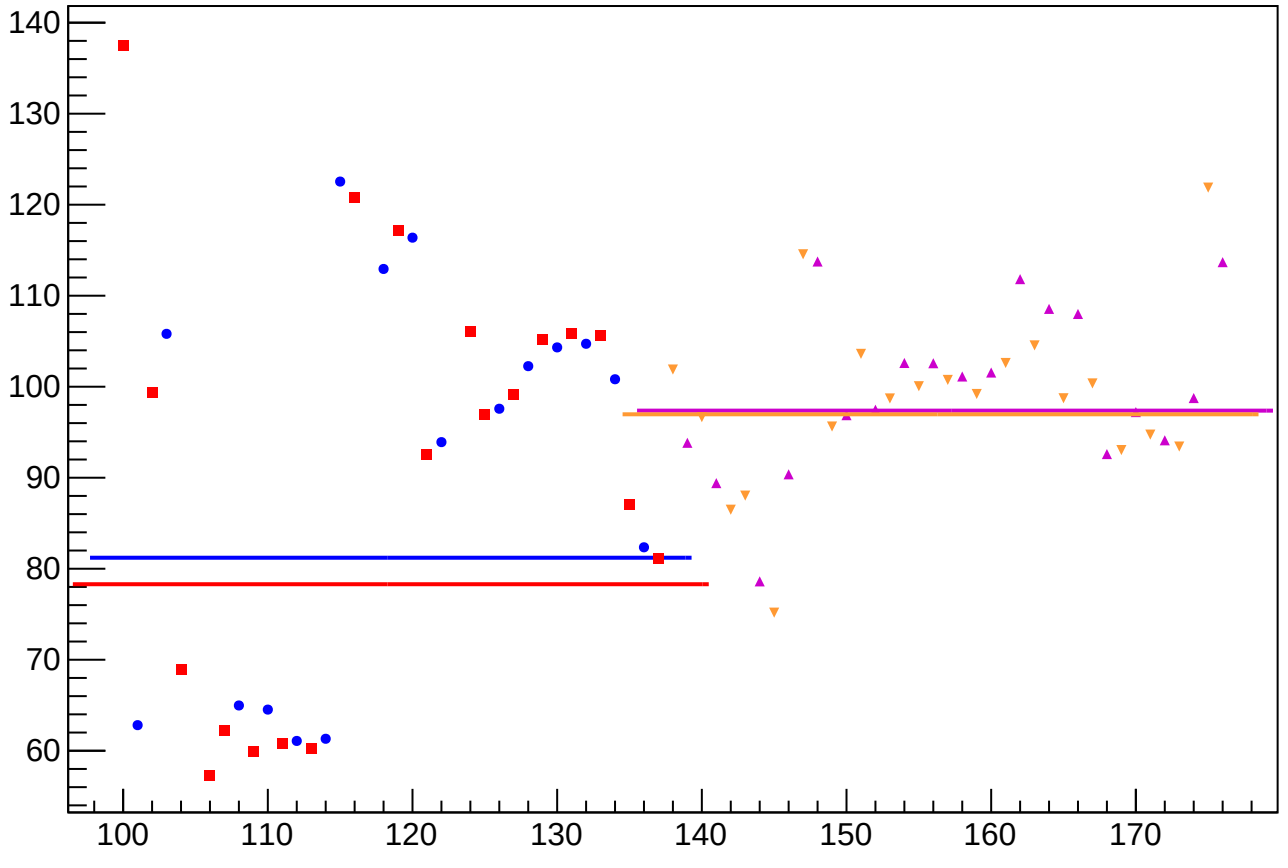
Left: 44.538+/-17.462 χ^2/NDF: 42.7/38

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 17.936+/-19.459 χ^2/NDF:40.7/34

Out: 55.747+/-18.967 χ^2/NDF:38.7/38

All: 37.325+/-13.582 χ^2/NDF: 81.3/73



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.7/19

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

Left: 97.168+/-0.012 χ^2/NDF: 572756.6/38

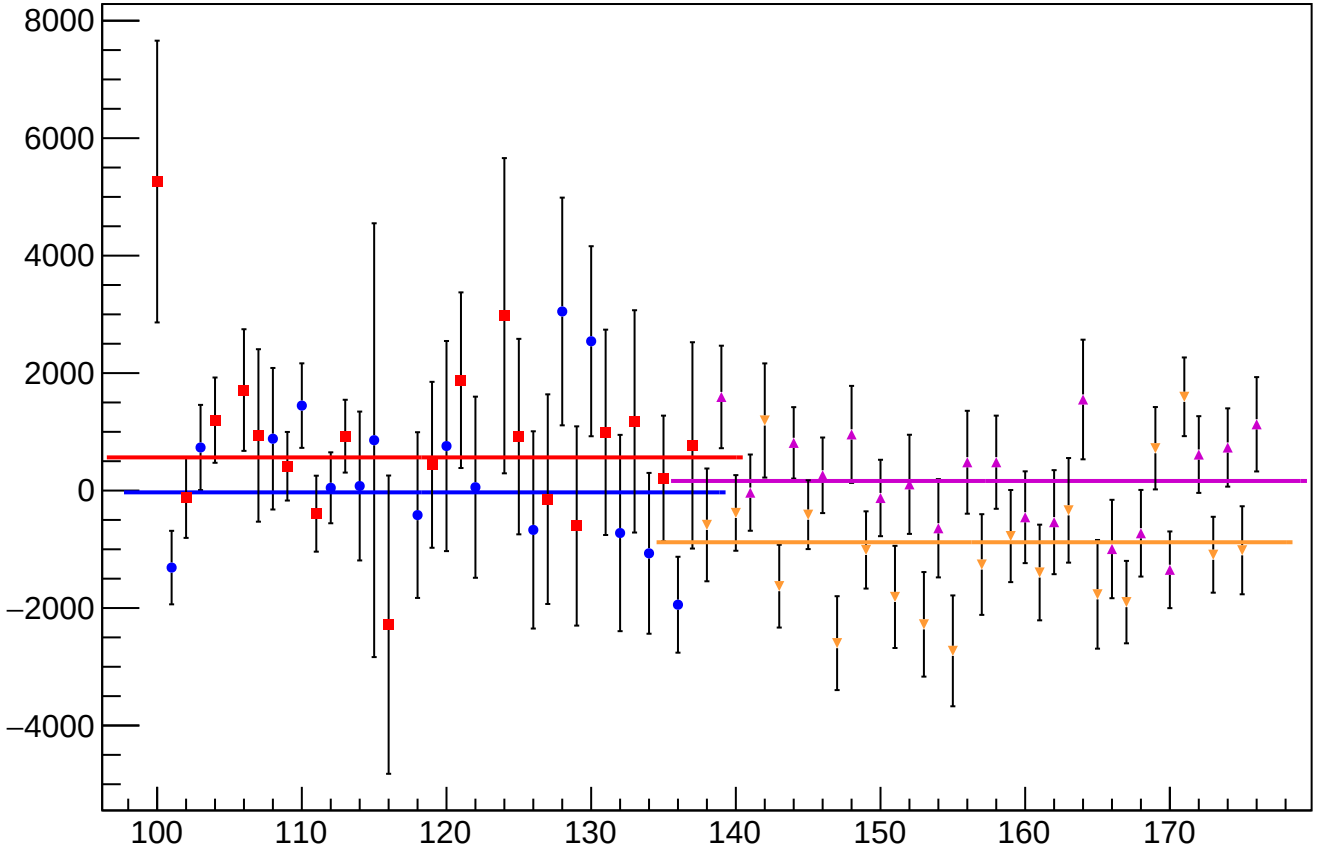
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 91.097+/-0.014 χ^2/NDF:1376096.0/34

Out: 89.473+/-0.013 χ^2/NDF:1712151.0/38

All: 90.264+/-0.010 χ^2/NDF: 3095389.7/73

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: -879.814+/-170.355 χ^2/NDF:42.2/19

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 163.470+/-171.515 χ^2/NDF:20.8/18

Left: -361.710+/-120.867 χ^2/NDF: 81.6/38

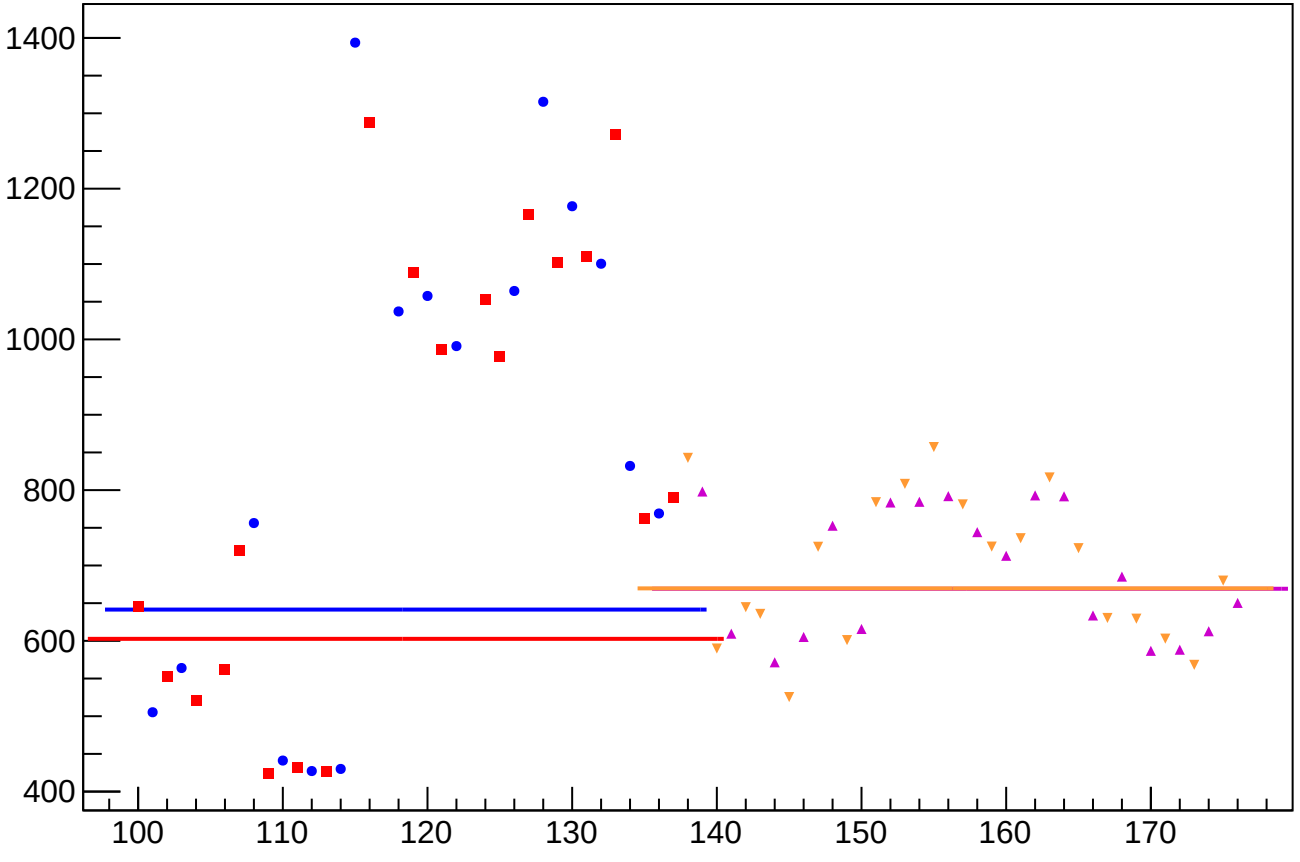
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 103.728+/-142.662 χ^2/NDF:43.1/34

Out: -391.724+/-138.623 χ^2/NDF:79.7/38

All: -151.112+/-99.419 χ^2/NDF: 129.0/73

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.3/18

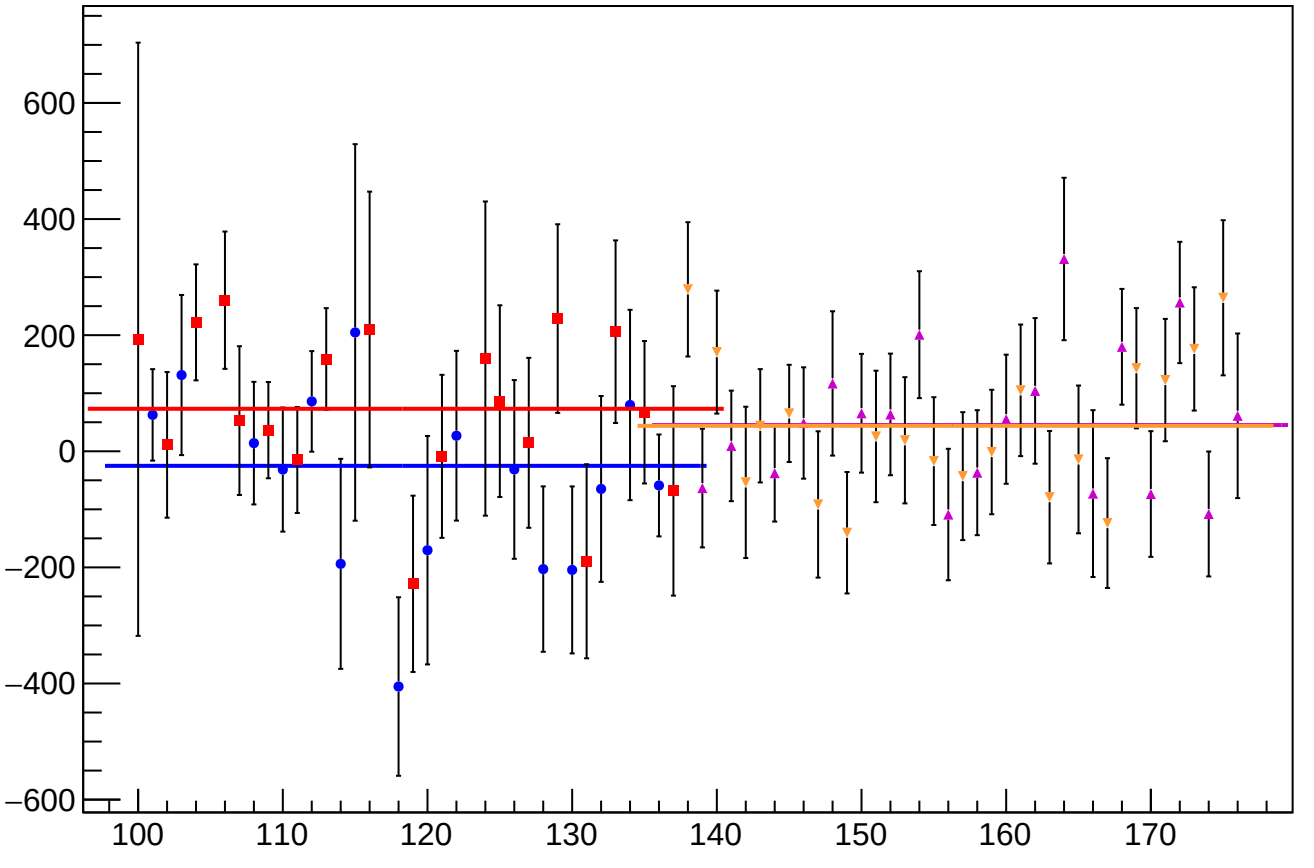
Left: 669.367+/-0.085 χ^2/NDF: 1072064.5/38

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 660.602+/-0.101 χ^2/NDF:2345830.9/34

Out: 646.995+/-0.098 χ^2/NDF:2791906.9/38

All: 653.603+/-0.070 χ^2/NDF: 5147096.2/73



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

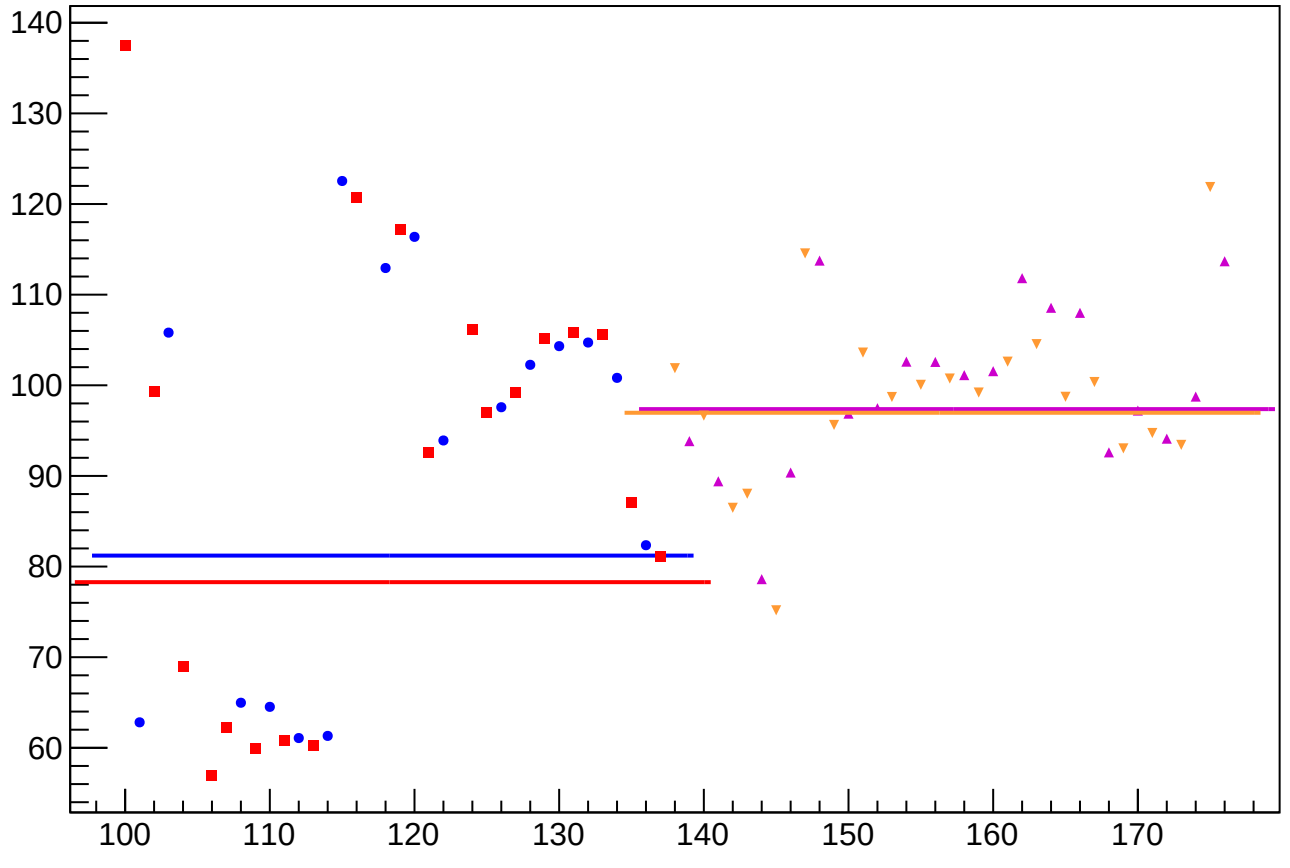
Left: 44.540+/-17.462 χ^2/NDF: 42.7/38

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.935+/-19.459 χ^2/NDF:40.7/34

Out: 55.641+/-18.968 χ^2/NDF:38.6/38

All: 37.270+/-13.582 χ^2/NDF: 81.2/73



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

Left: 97.168+/-0.012 χ^2/NDF: 572756.7/38

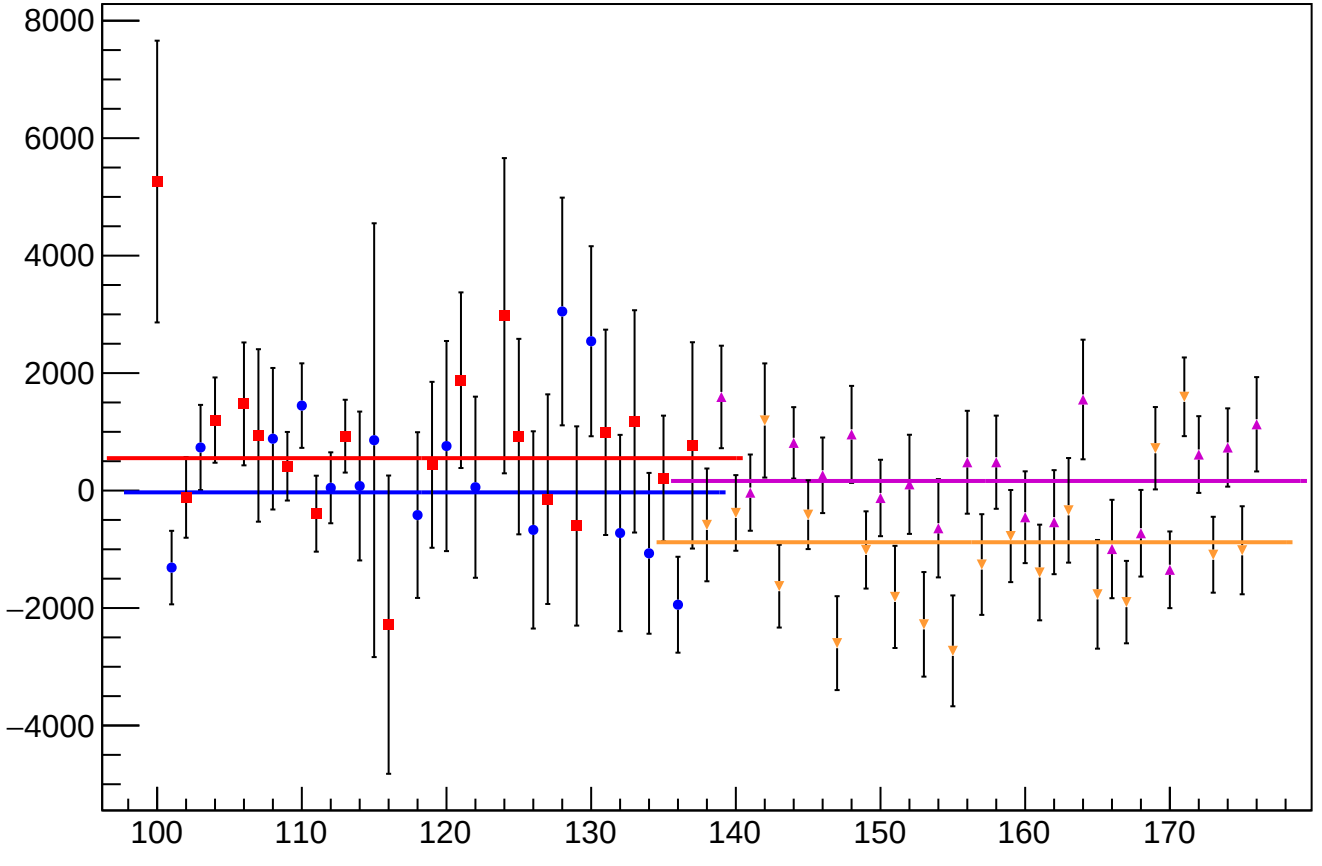
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.097+/-0.014 χ^2/NDF:1376097.6/34

Out: 89.466+/-0.013 χ^2/NDF:1715185.6/38

All: 90.261+/-0.010 χ^2/NDF: 3098487.0/73

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: -879.811+/-170.355 χ^2/NDF:42.2/19

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 163.473+/-171.515 χ^2/NDF:20.8/18

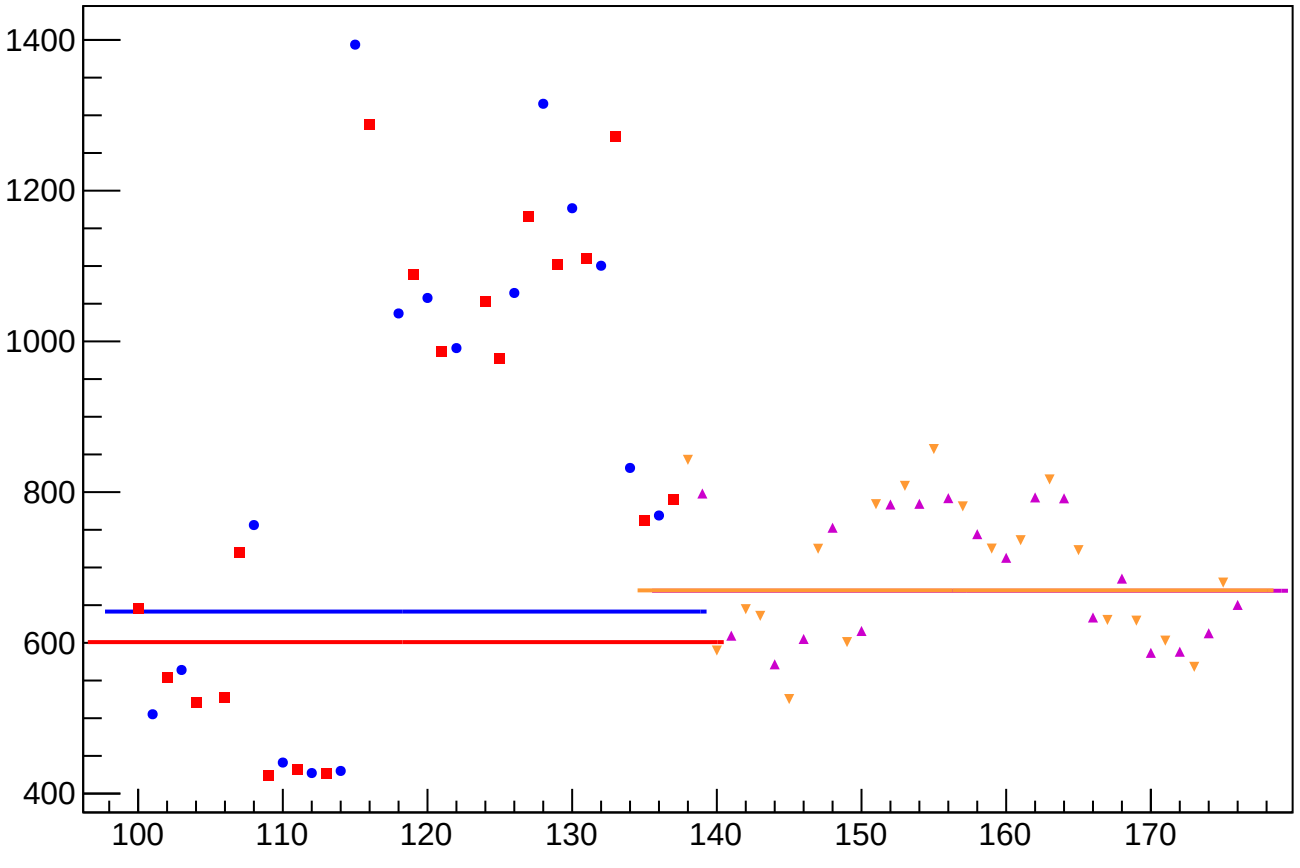
Left: -361.707+/-120.867 χ^2/NDF: 81.6/38

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 103.722+/-142.663 χ^2/NDF:43.0/34

Out: -396.491+/-138.652 χ^2/NDF:78.8/38

All: -153.515+/-99.429 χ^2/NDF: 128.2/73



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

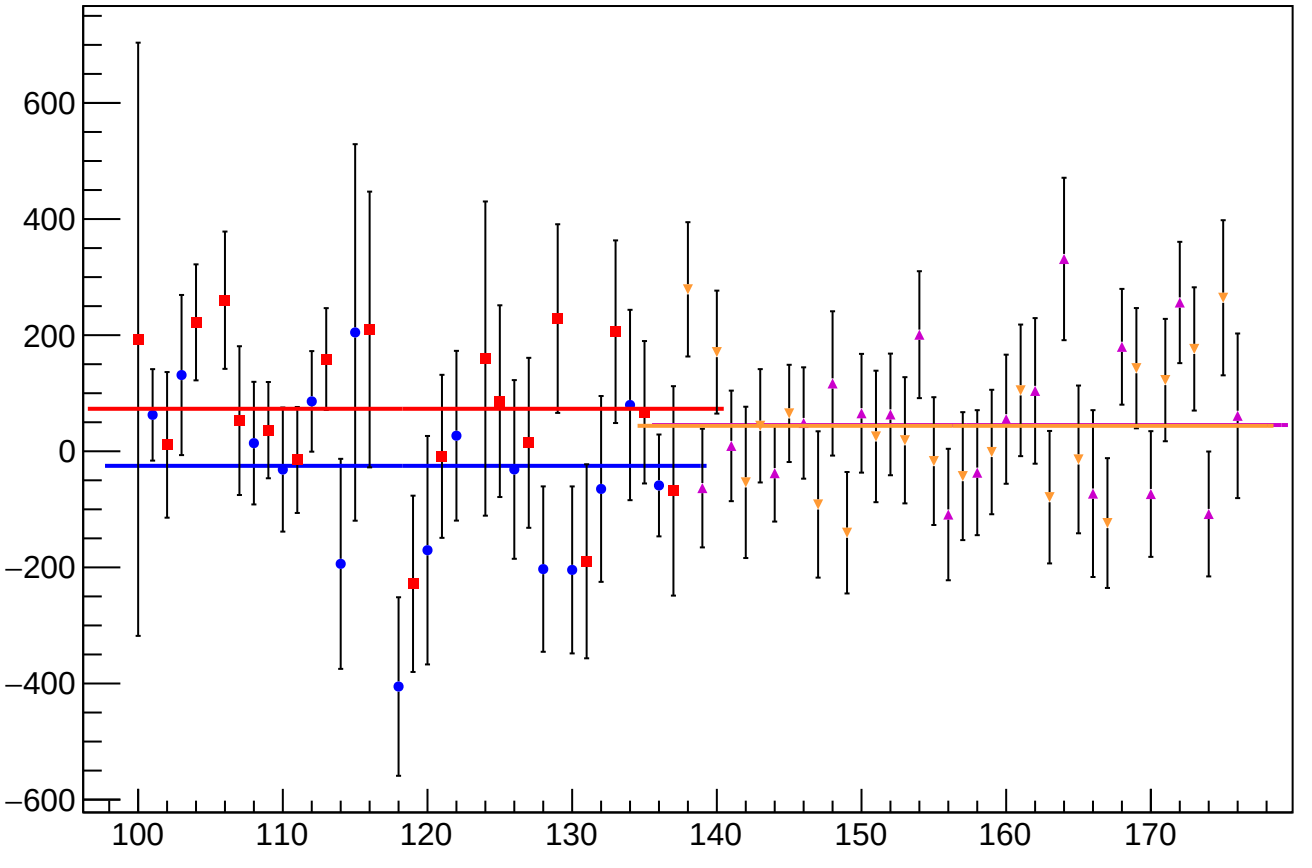
Left: 669.367+/-0.085 χ^2/NDF: 1072064.9/38

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.605+/-0.101 χ^2/NDF:2345779.8/34

Out: 646.447+/-0.098 χ^2/NDF:2804040.5/38

All: 653.324+/-0.070 χ^2/NDF: 5159949.6/73



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.870+/-24.517 χ^2/NDF:21.3/19

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

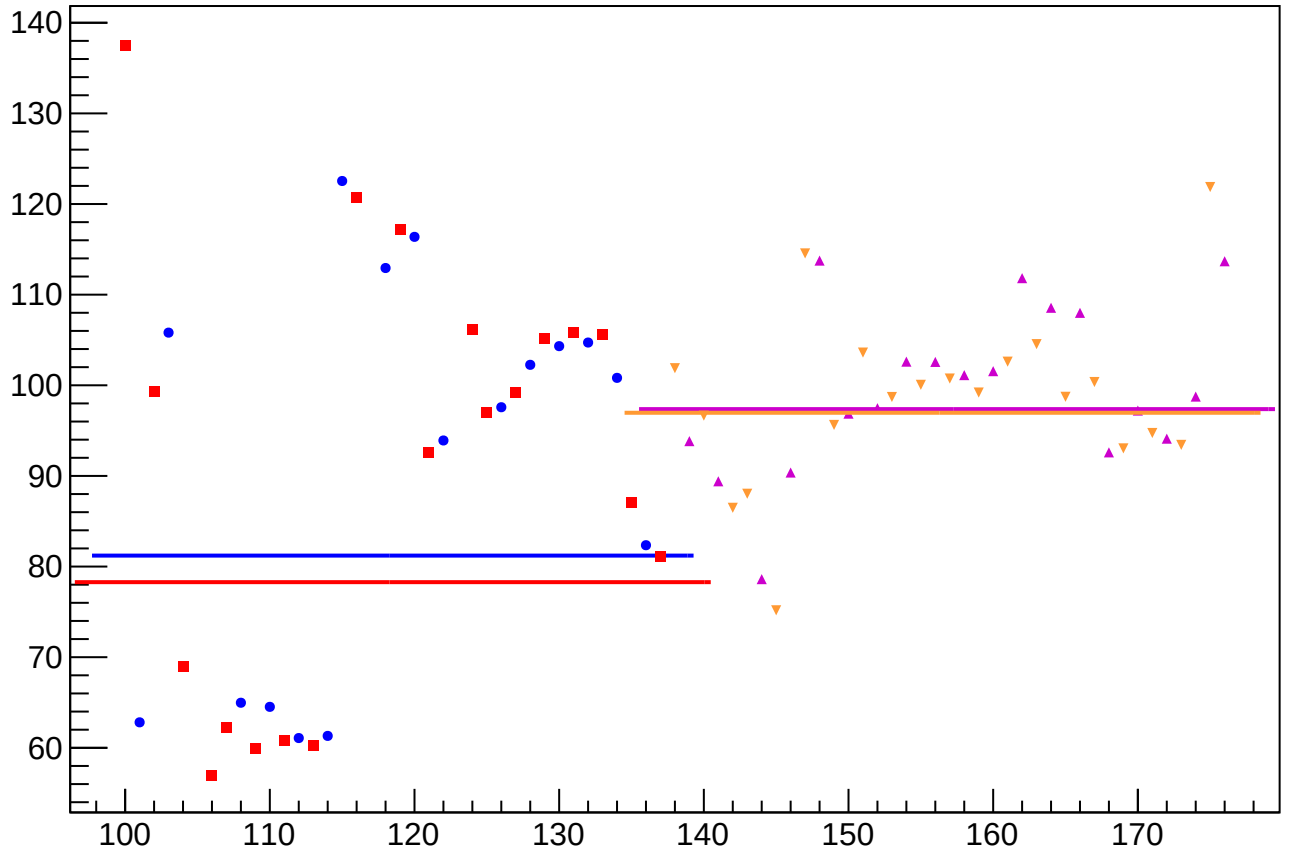
Left: 44.540+/-17.462 χ^2/NDF: 42.7/38

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.935+/-19.459 χ^2/NDF:40.7/34

Out: 55.641+/-18.968 χ^2/NDF:38.6/38

All: 37.270+/-13.582 χ^2/NDF: 81.2/73



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.969+/-0.017 χ^2/NDF:311772.6/19

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

Left: 97.168+/-0.012 χ^2/NDF: 572756.7/38

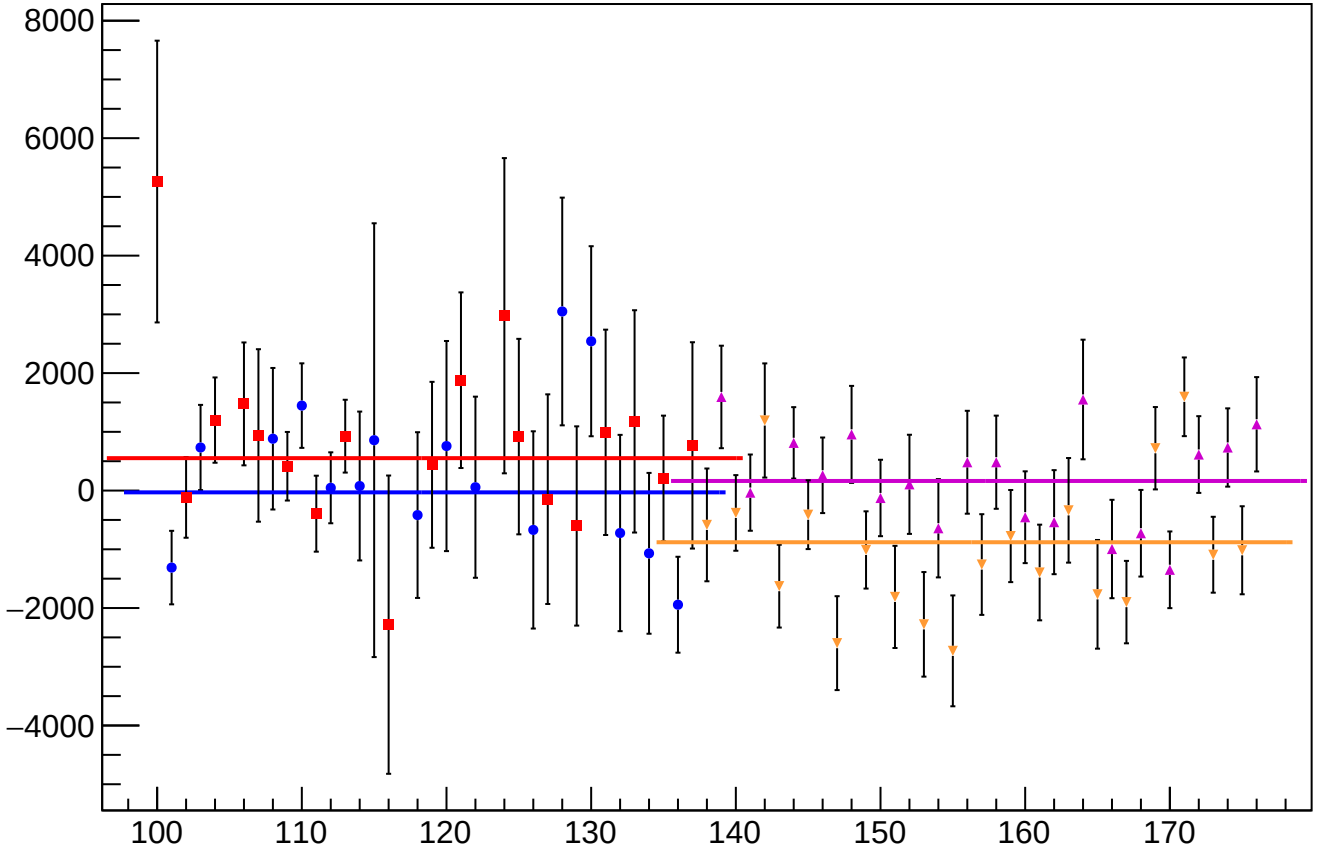
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.097+/-0.014 χ^2/NDF:1376097.6/34

Out: 89.466+/-0.013 χ^2/NDF:1715185.6/38

All: 90.261+/-0.010 χ^2/NDF: 3098487.0/73

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: -879.811+/-170.355 χ^2/NDF:42.2/19

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 163.473+/-171.515 χ^2/NDF:20.8/18

Left: -361.707+/-120.867 χ^2/NDF: 81.6/38

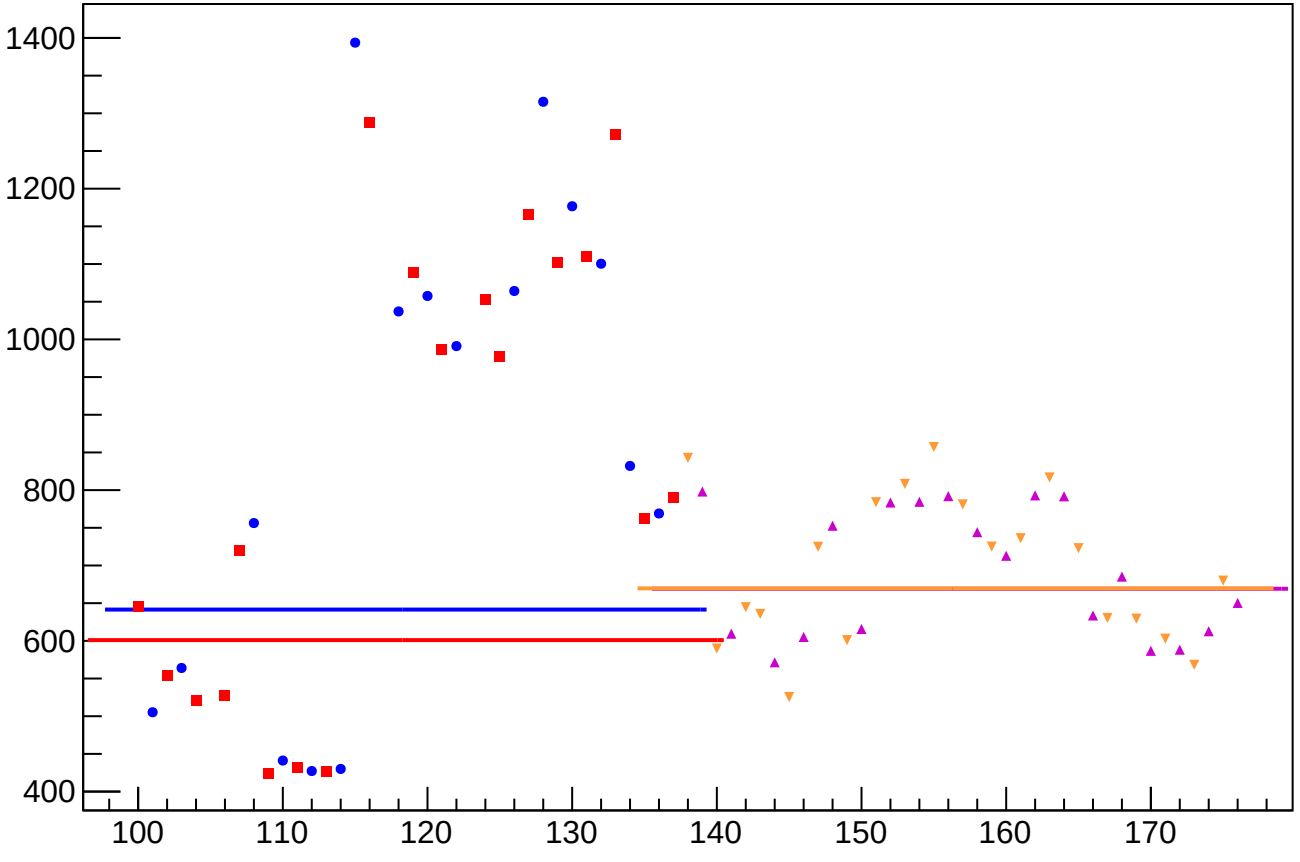
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 103.722+/-142.663 χ^2/NDF:43.0/34

Out: -396.491+/-138.652 χ^2/NDF:78.8/38

All: -153.515+/-99.429 χ^2/NDF: 128.2/73

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.619+/-0.120 χ^2/NDF:617188.4/19

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

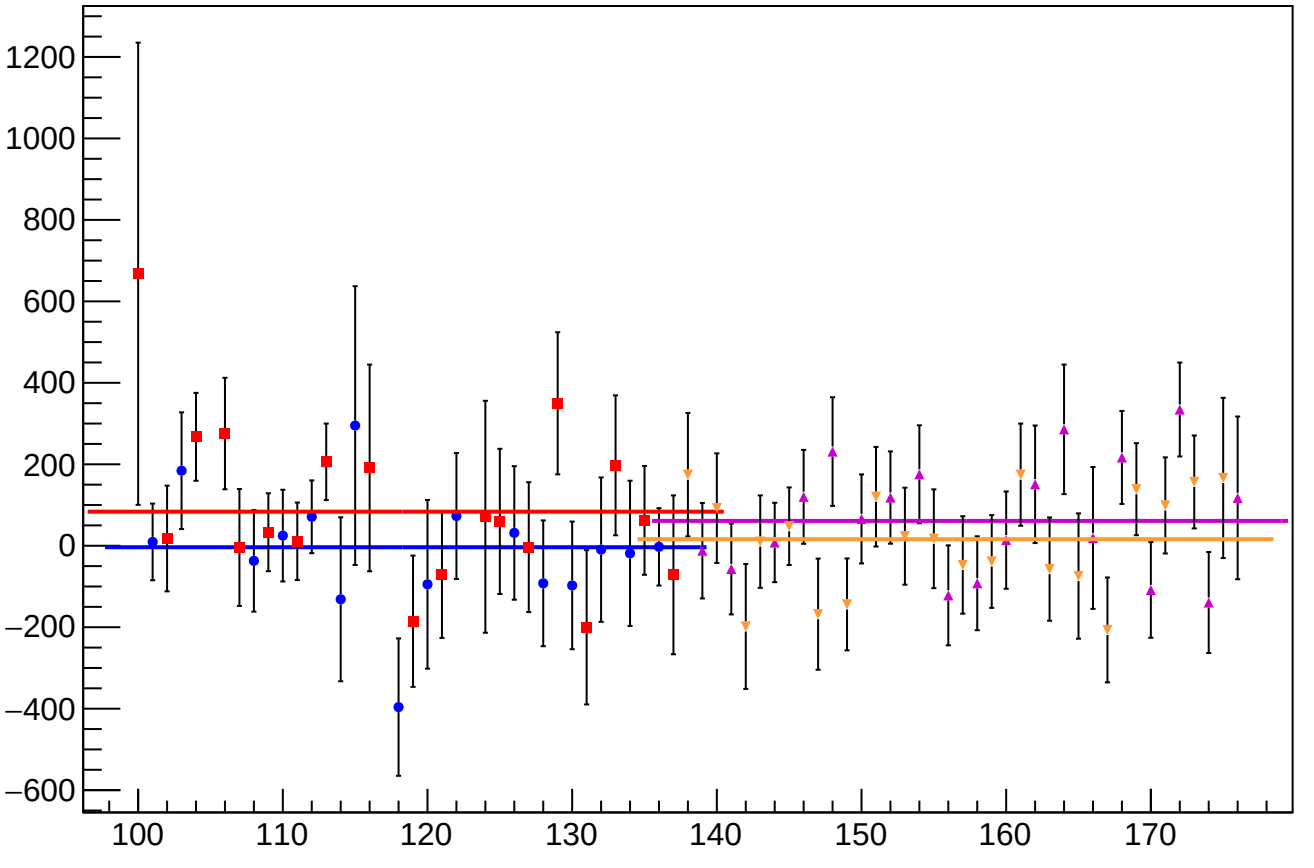
Left: 669.367+/-0.085 χ^2/NDF: 1072064.9/38

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.605+/-0.101 χ^2/NDF:2345779.8/34

Out: 646.447+/-0.098 χ^2/NDF:2804040.5/38

All: 653.324+/-0.070 χ^2/NDF: 5159949.6/73



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.102+/-27.787 χ^2/NDF:17.6/19

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 61.018+/-28.087 χ^2/NDF:23.7/18

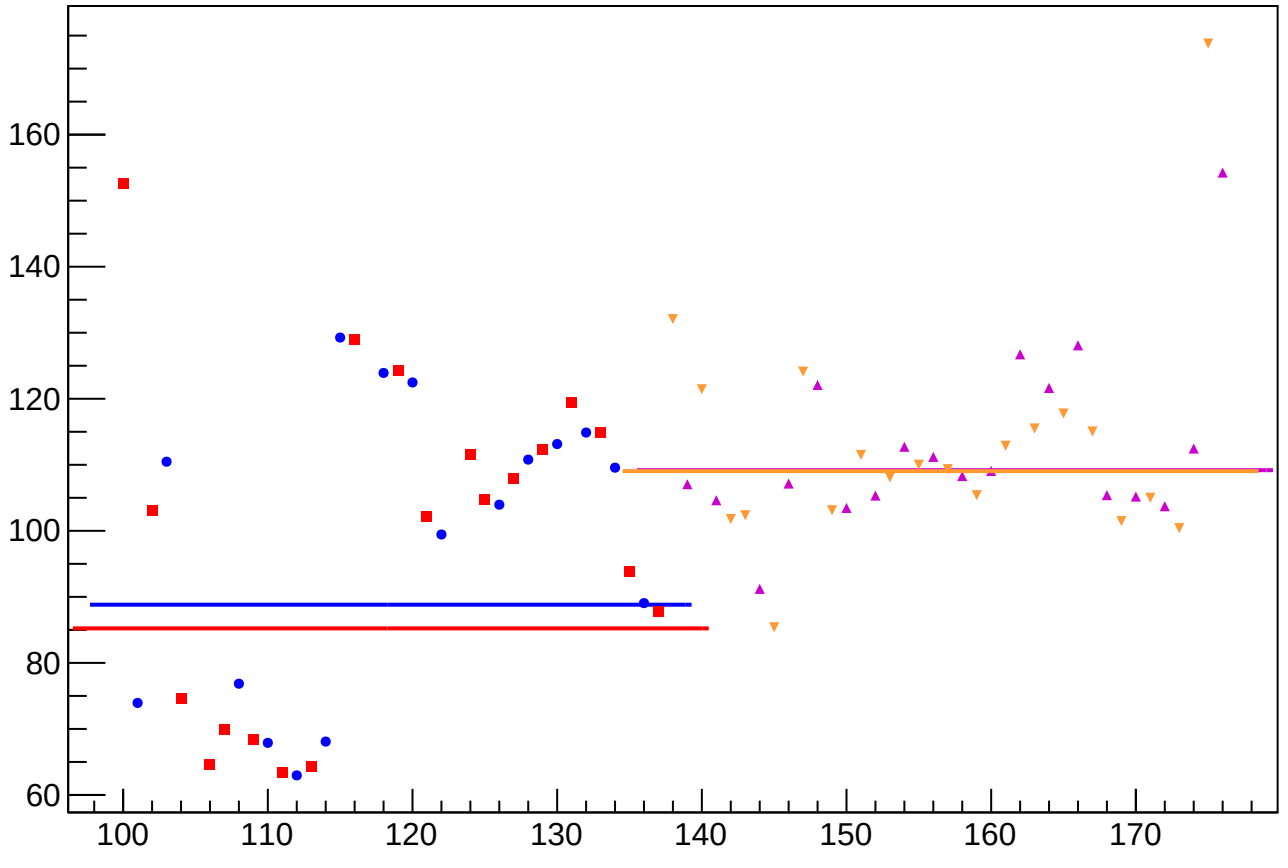
Left: 38.319+/-19.754 χ^2/NDF: 42.6/38

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.933+/-21.693 χ^2/NDF:36.2/34

Out: 44.505+/-21.156 χ^2/NDF:39.1/38

All: 39.839+/-15.146 χ^2/NDF: 75.4/73



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.045+/-0.020 χ^2/NDF:488004.6/19

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 109.185+/-0.020 χ^2/NDF:279137.3/18

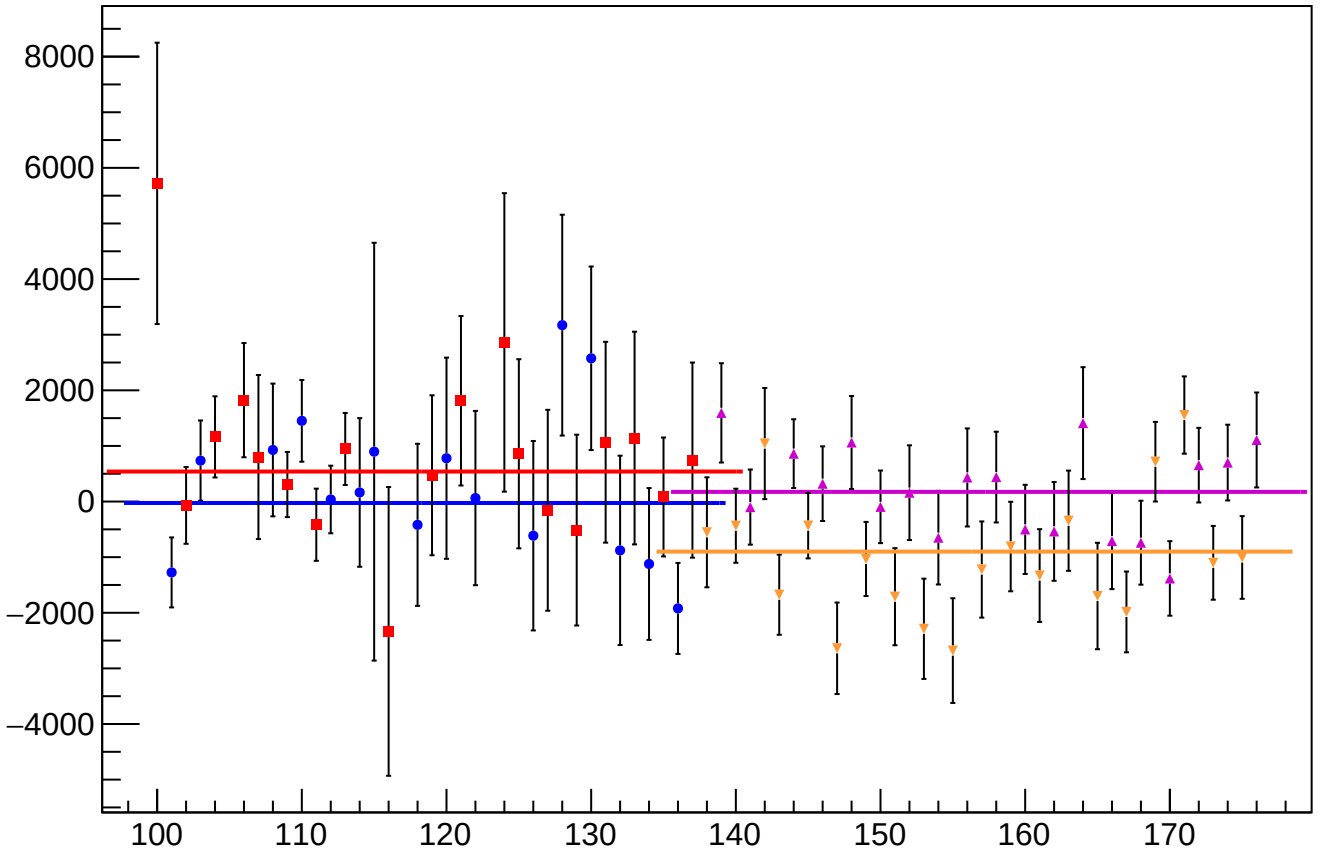
Left: 109.114+/-0.014 χ^2/NDF: 767166.9/38

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 100.966+/-0.015 χ^2/NDF:1428237.4/34

Out: 99.033+/-0.015 χ^2/NDF:1989827.4/38

All: 99.975+/-0.011 χ^2/NDF: 3426200.7/73



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -900.243+/-173.737 χ^2/NDF:38.9/19

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.982+/-175.376 χ^2/NDF:19.5/18

Left: -368.175+/-123.426 χ^2/NDF: 77.3/38

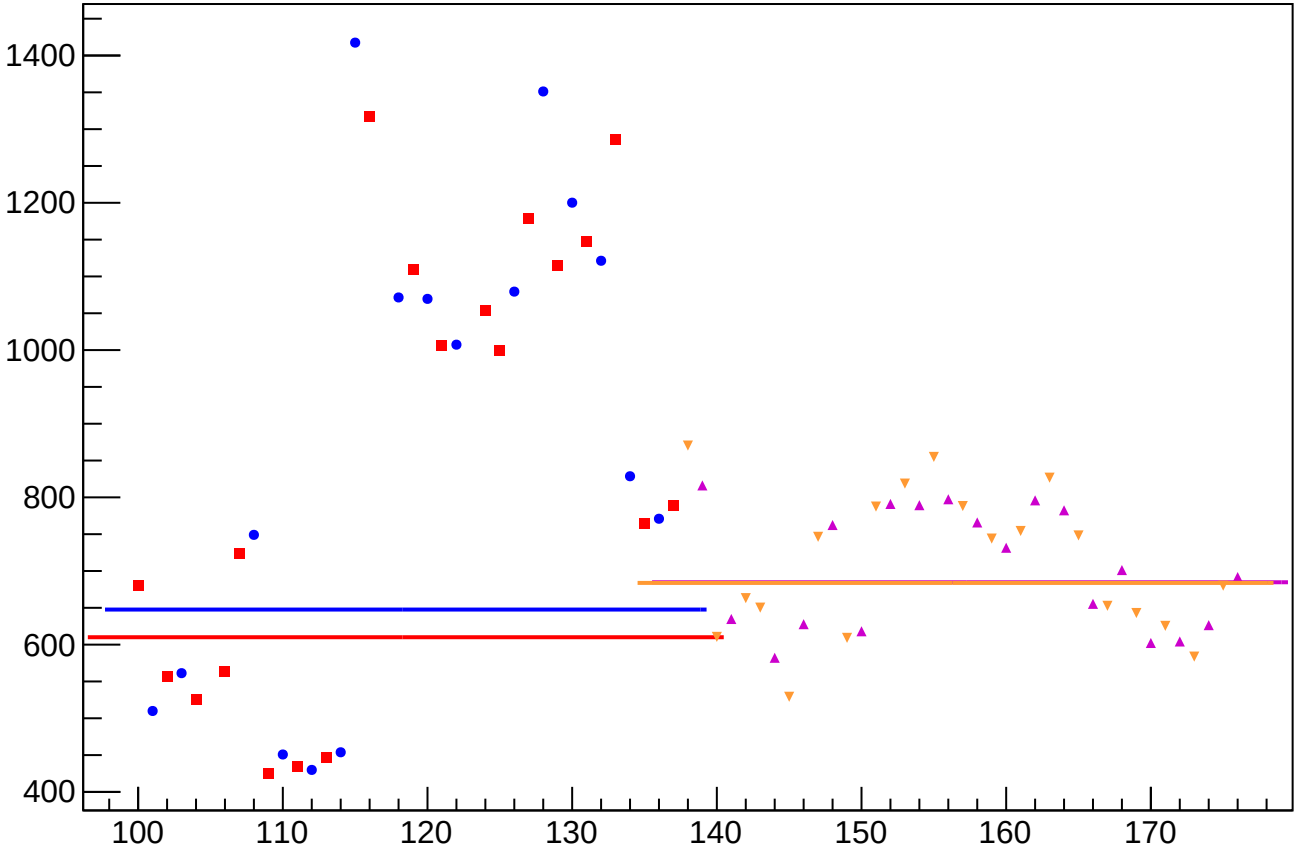
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 111.320+/-145.287 χ^2/NDF:41.5/34

Out: -408.484+/-140.981 χ^2/NDF:76.0/38

All: -156.400+/-101.177 χ^2/NDF: 124.1/73

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 683.833+/-0.123 χ^2/NDF:598038.8/19

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 684.712+/-0.124 χ^2/NDF:410413.6/18

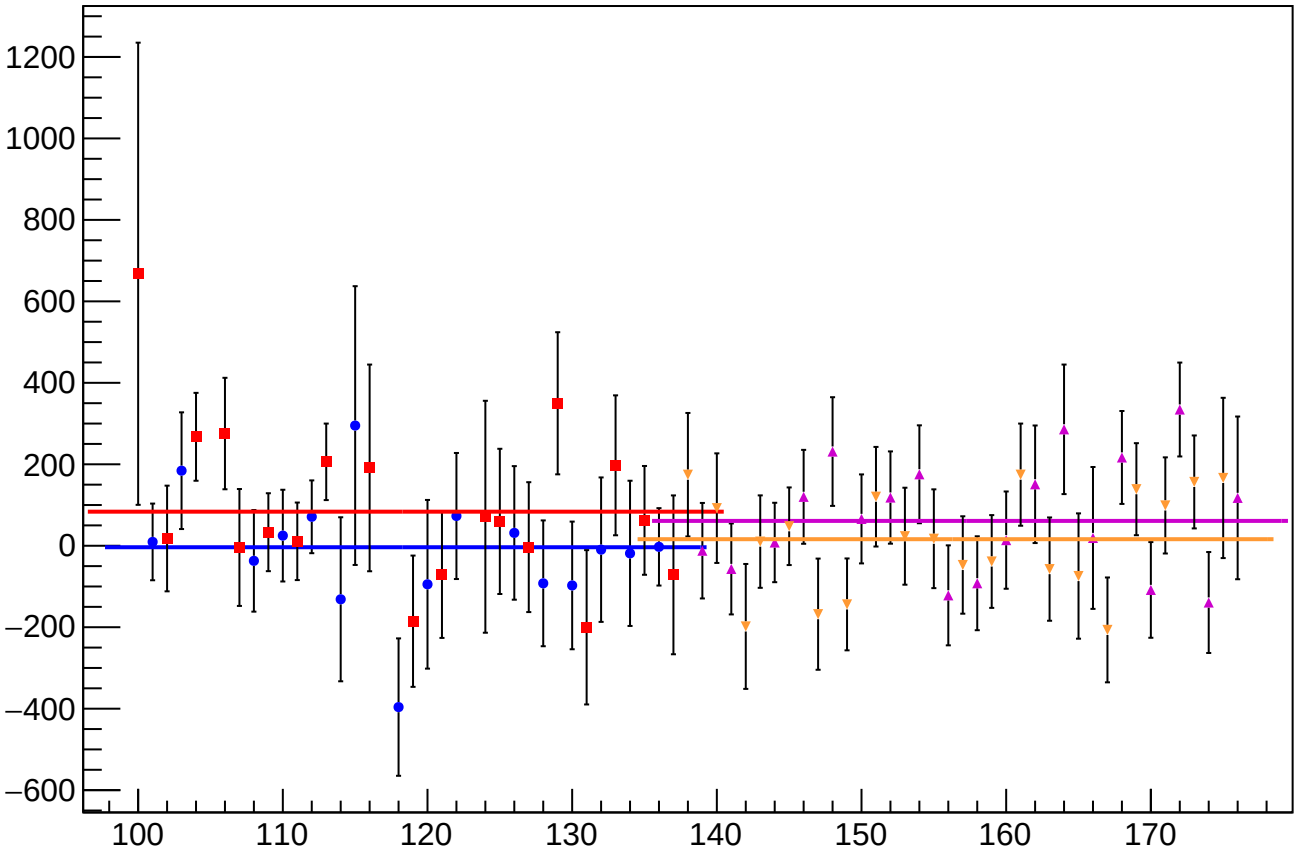
Left: 684.268+/-0.087 χ^2/NDF: 1008477.8/38

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 673.083+/-0.103 χ^2/NDF:2326263.4/34

Out: 658.638+/-0.100 χ^2/NDF:2795444.5/38

All: 665.643+/-0.072 χ^2/NDF: 5131890.8/73



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 16.104+/-27.787 χ^2/NDF:17.6/19

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 61.017+/-28.087 χ^2/NDF:23.7/18

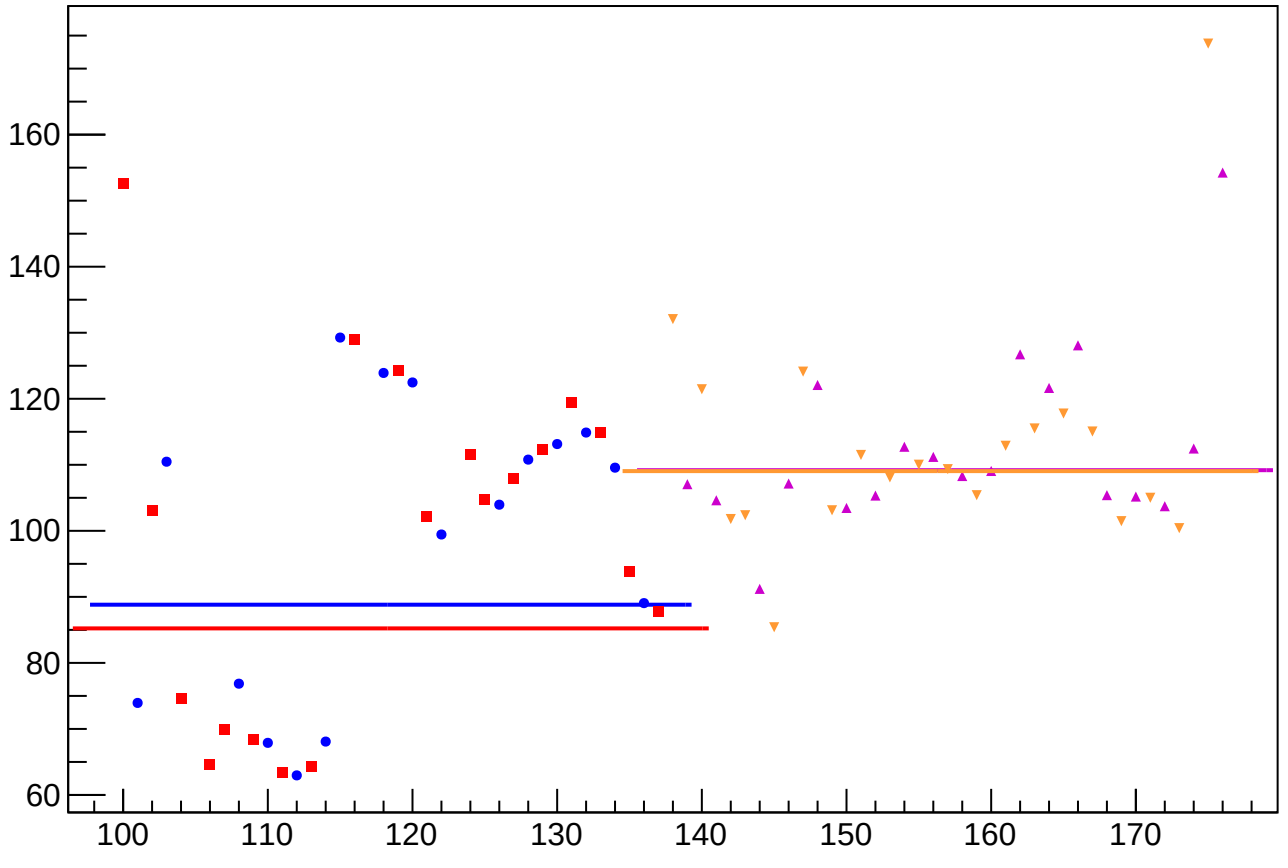
Left: 38.319+/-19.754 χ^2/NDF: 42.6/38

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.933+/-21.693 χ^2/NDF:36.2/34

Out: 44.505+/-21.156 χ^2/NDF:39.1/38

All: 39.839+/-15.146 χ^2/NDF: 75.4/73



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.045+/-0.020 χ^2/NDF:488001.9/19

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 109.185+/-0.020 χ^2/NDF:279129.5/18

Left: 109.114+/-0.014 χ^2/NDF: 767156.5/38

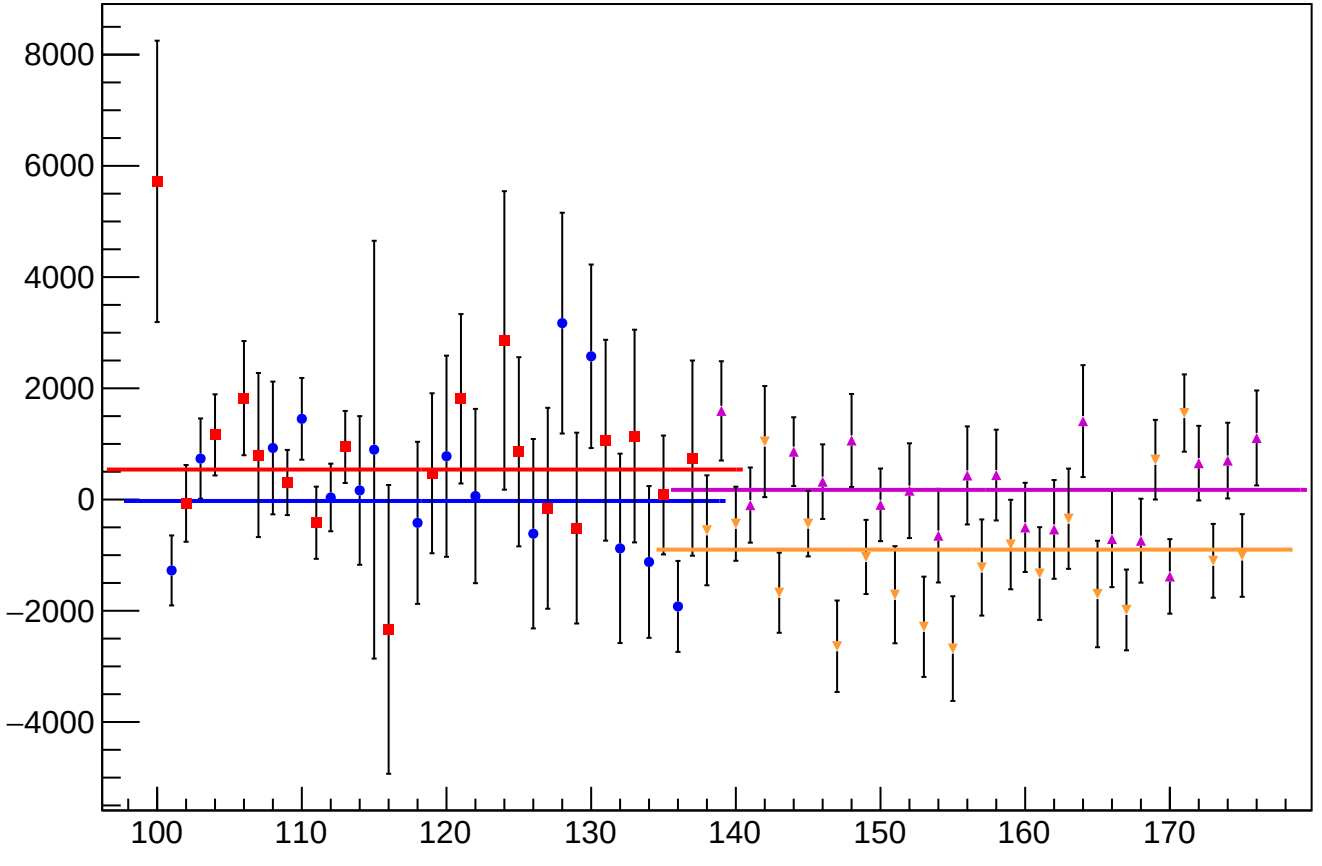
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 100.966+/-0.015 χ^2/NDF:1428237.0/34

Out: 99.033+/-0.015 χ^2/NDF:1989836.6/38

All: 99.975+/-0.011 χ^2/NDF: 3426209.5/73

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: -900.241+/-173.736 χ^2/NDF:38.9/19

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.981+/-175.376 χ^2/NDF:19.5/18

Left: -368.175+/-123.426 χ^2/NDF: 77.3/38

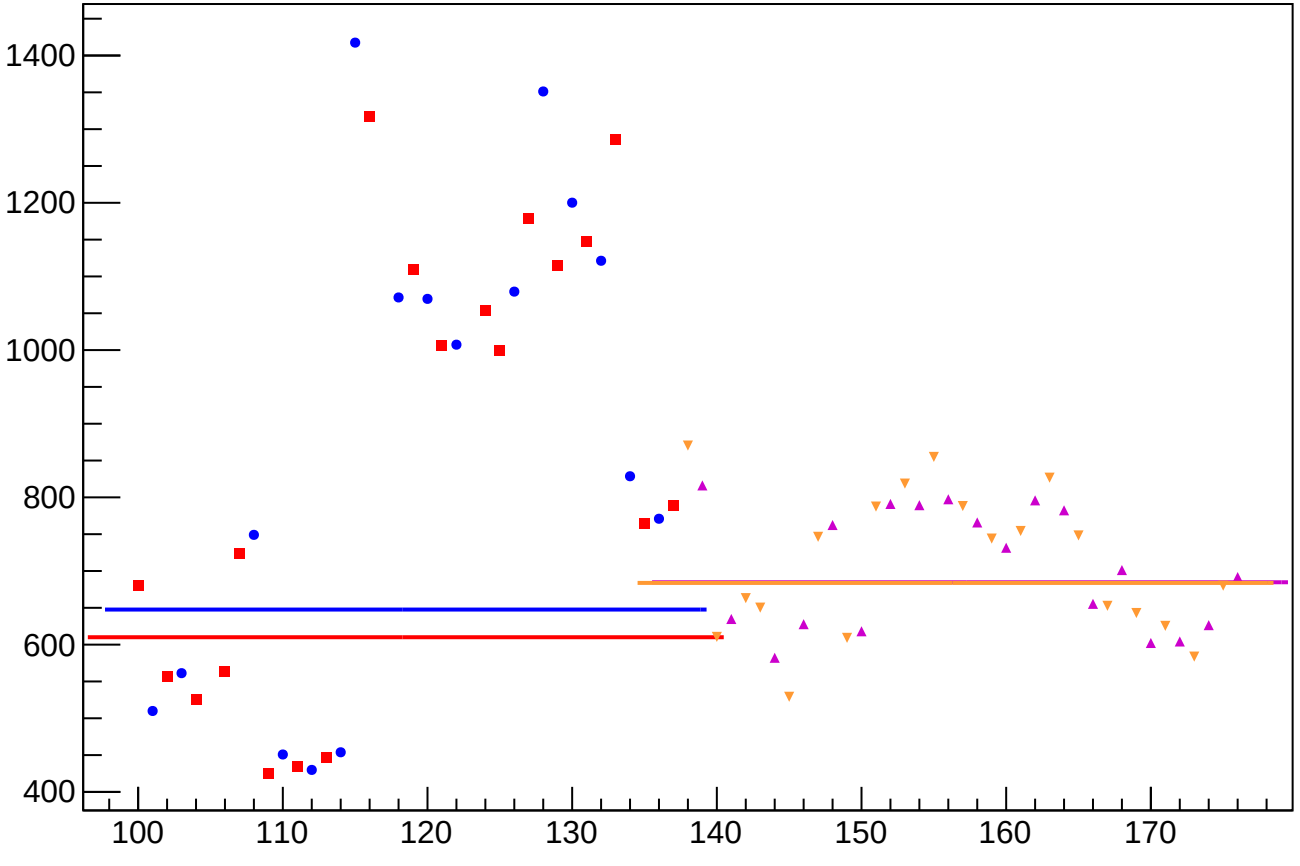
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 111.319+/-145.287 χ^2/NDF:41.5/34

Out: -408.483+/-140.981 χ^2/NDF:76.0/38

All: -156.400+/-101.177 χ^2/NDF: 124.1/73

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 683.832+/-0.123 χ^2/NDF:598039.6/19

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 684.712+/-0.124 χ^2/NDF:410411.1/18

Left: 684.268+/-0.087 χ^2/NDF: 1008476.1/38

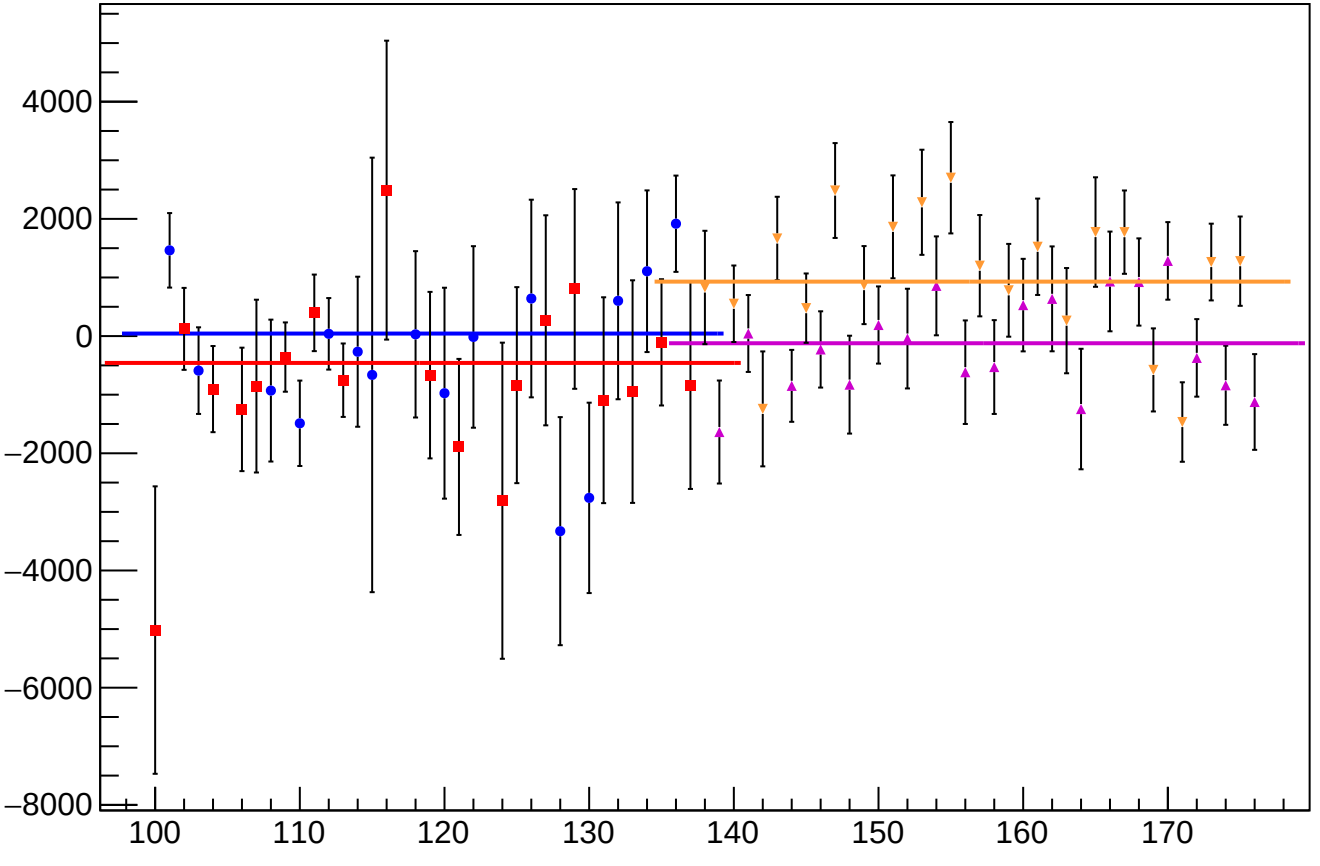
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 673.082+/-0.103 χ^2/NDF:2326266.0/34

Out: 658.637+/-0.100 χ^2/NDF:2795448.7/38

All: 665.642+/-0.072 χ^2/NDF: 5131897.6/73

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 929.343+/-172.242 χ^2/NDF:38.4/19

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -122.194+/-173.432 χ^2/NDF:20.7/18

Left: 407.193+/-122.212 χ^2/NDF: 77.6/38

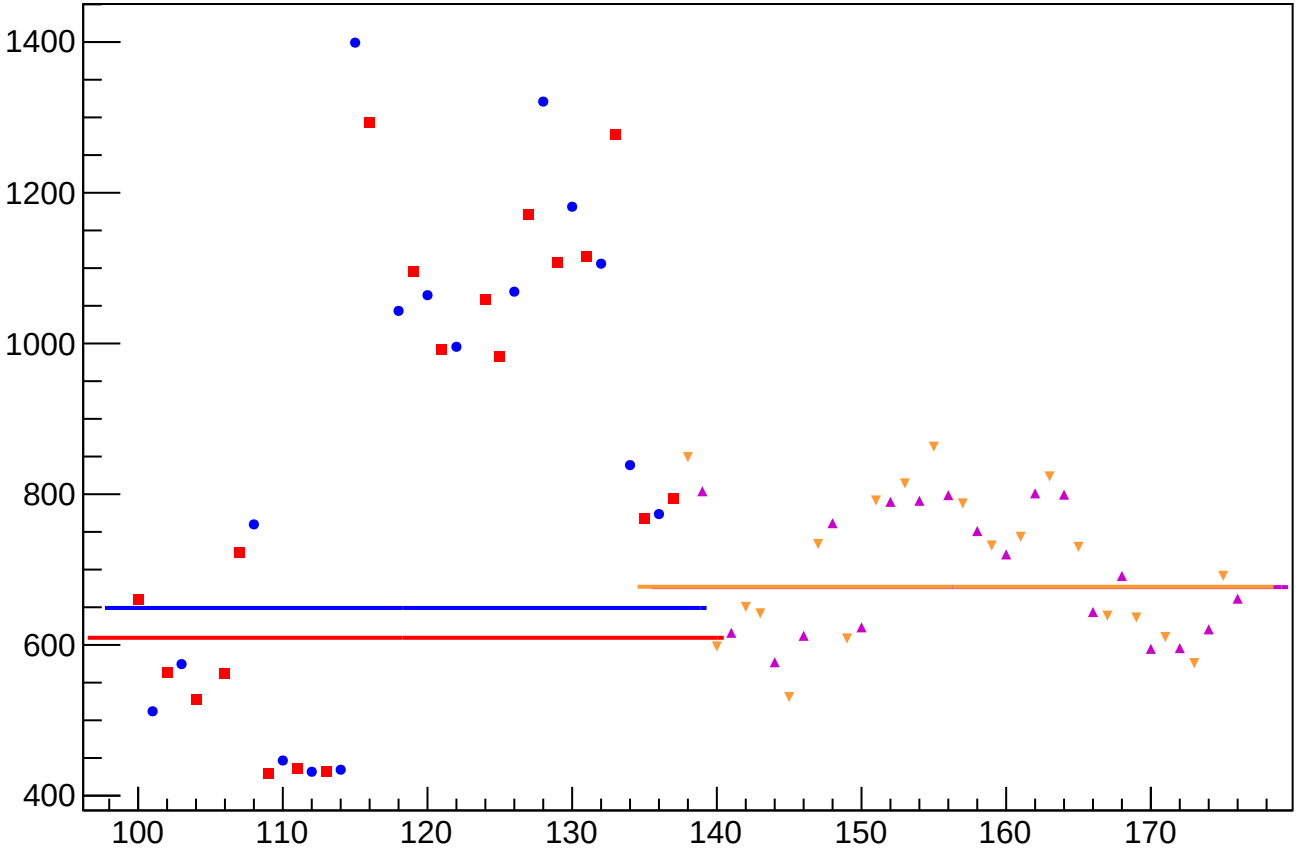
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -71.223+/-144.244 χ^2/NDF:44.2/34

Out: 460.553+/-140.155 χ^2/NDF:71.6/38

All: 202.309+/-100.519 χ^2/NDF: 122.8/73

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 677.232+/-0.122 χ^2/NDF:605246.6/19

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 676.738+/-0.123 χ^2/NDF:444943.1/18

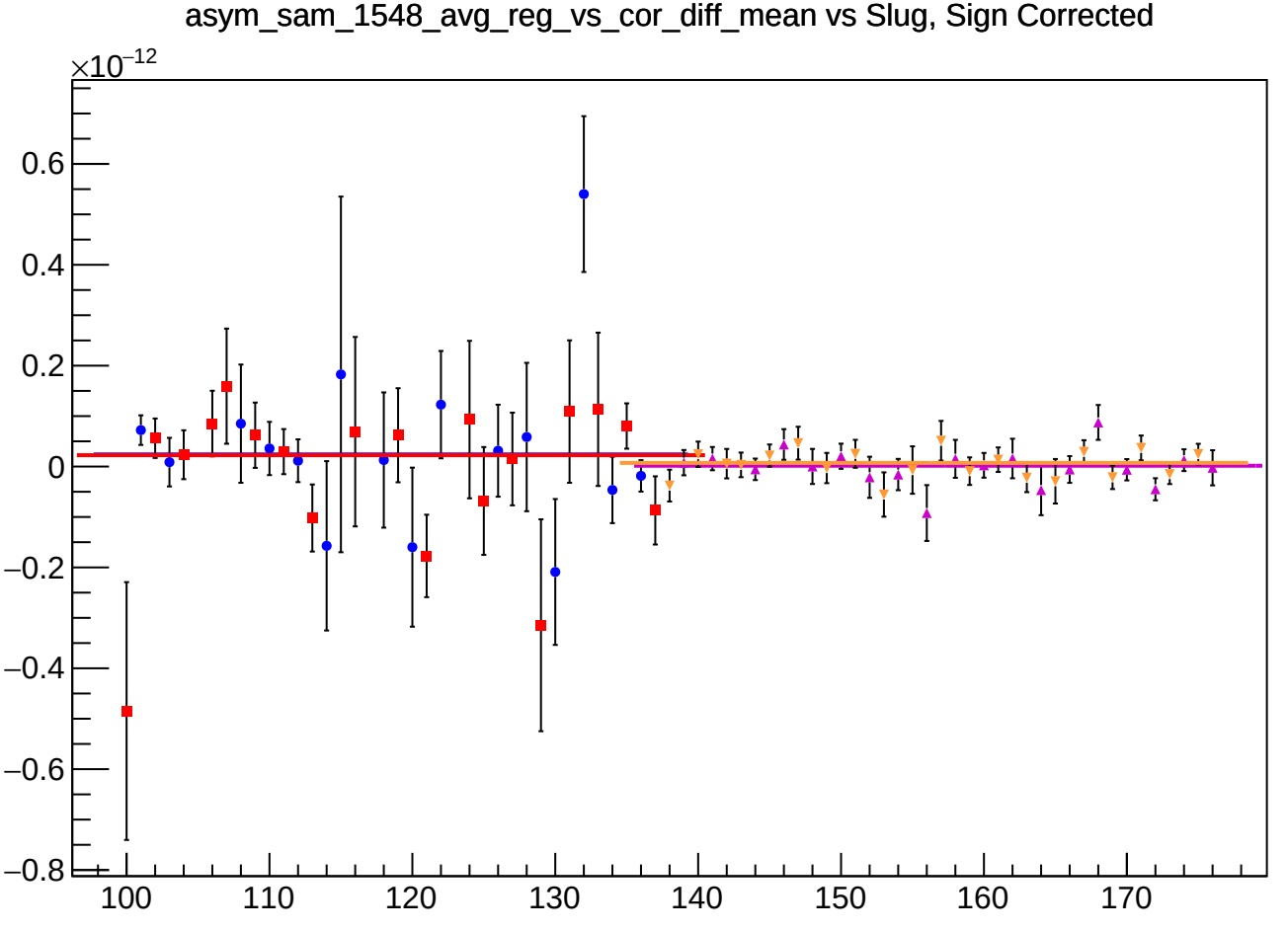
Left: 676.987+/-0.086 χ^2/NDF: 1050197.9/38

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 668.215+/-0.102 χ^2/NDF:2306426.3/34

Out: 654.353+/-0.099 χ^2/NDF:2753283.6/38

All: 661.085+/-0.071 χ^2/NDF: 5069211.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/18

Left: 0.000+/-0.000 χ^2/NDF: 35.7/38

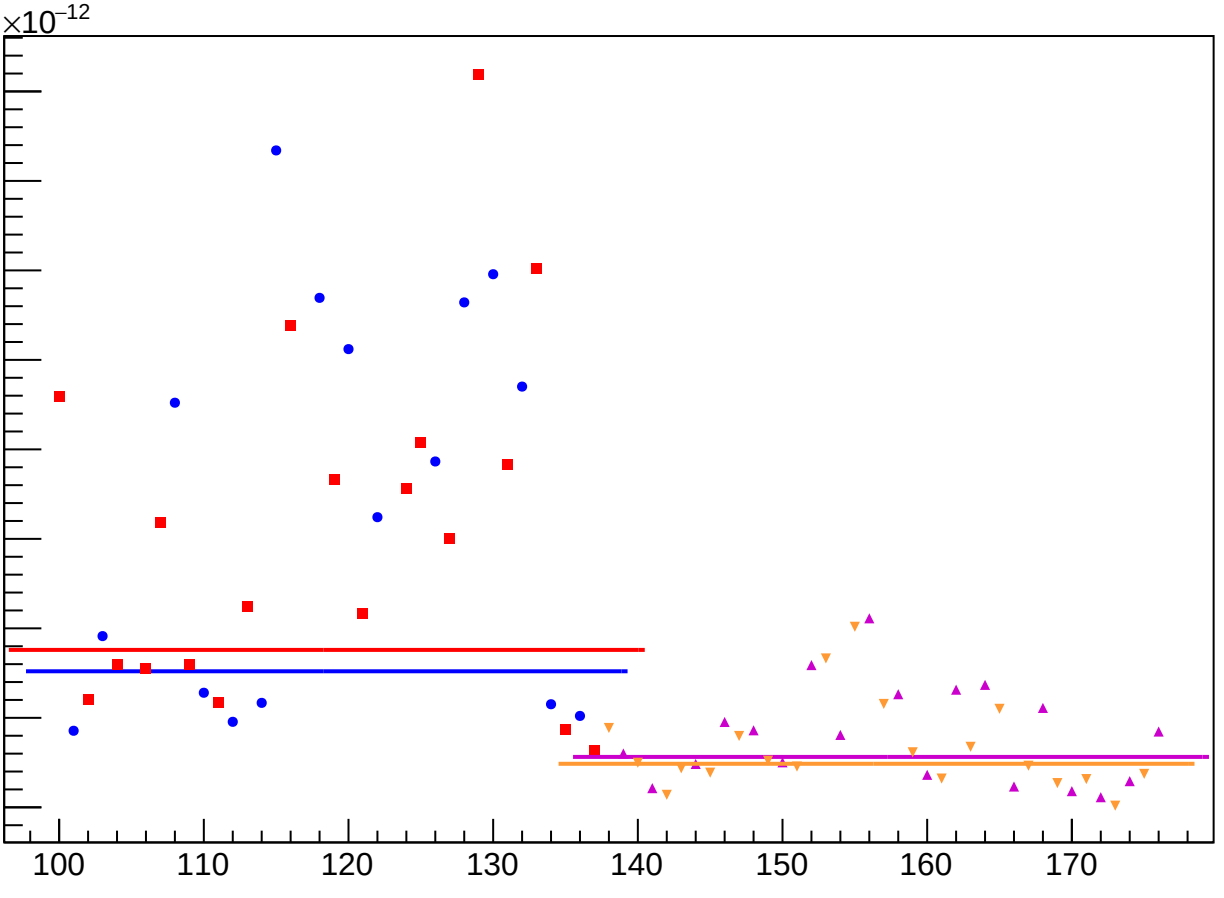
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:44.4/34

Out: 0.000+/-0.000 χ^2/NDF:42.8/38

All: 0.000+/-0.000 χ^2/NDF: 87.5/73

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:703903.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:878512.9/18

Left: 0.000+/-0.000 χ^2/NDF: 1597612.3/38

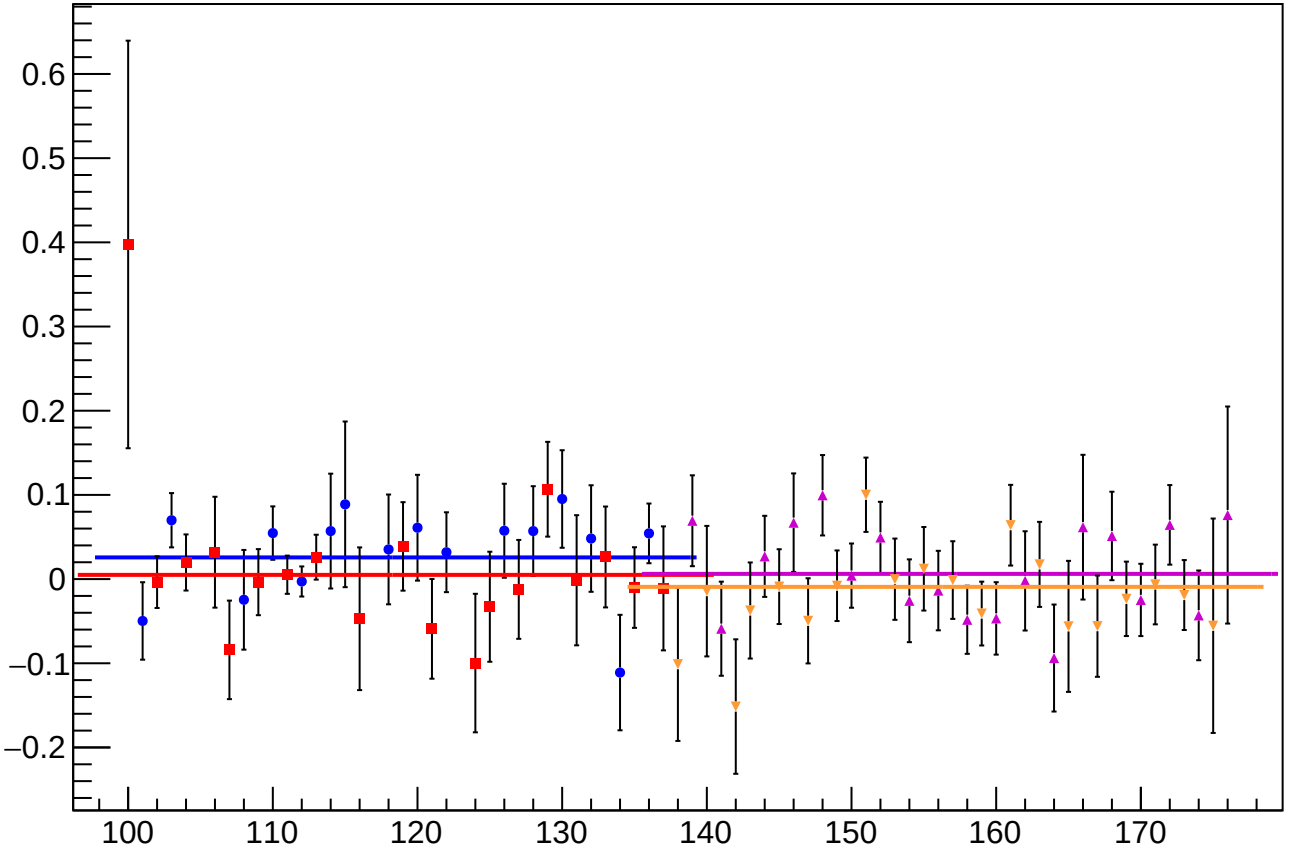
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2862169.7/34

Out: 0.000+/-0.000 χ^2/NDF:2760141.9/38

All: 0.000+/-0.000 χ^2/NDF: 5636986.1/73

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: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.6/38

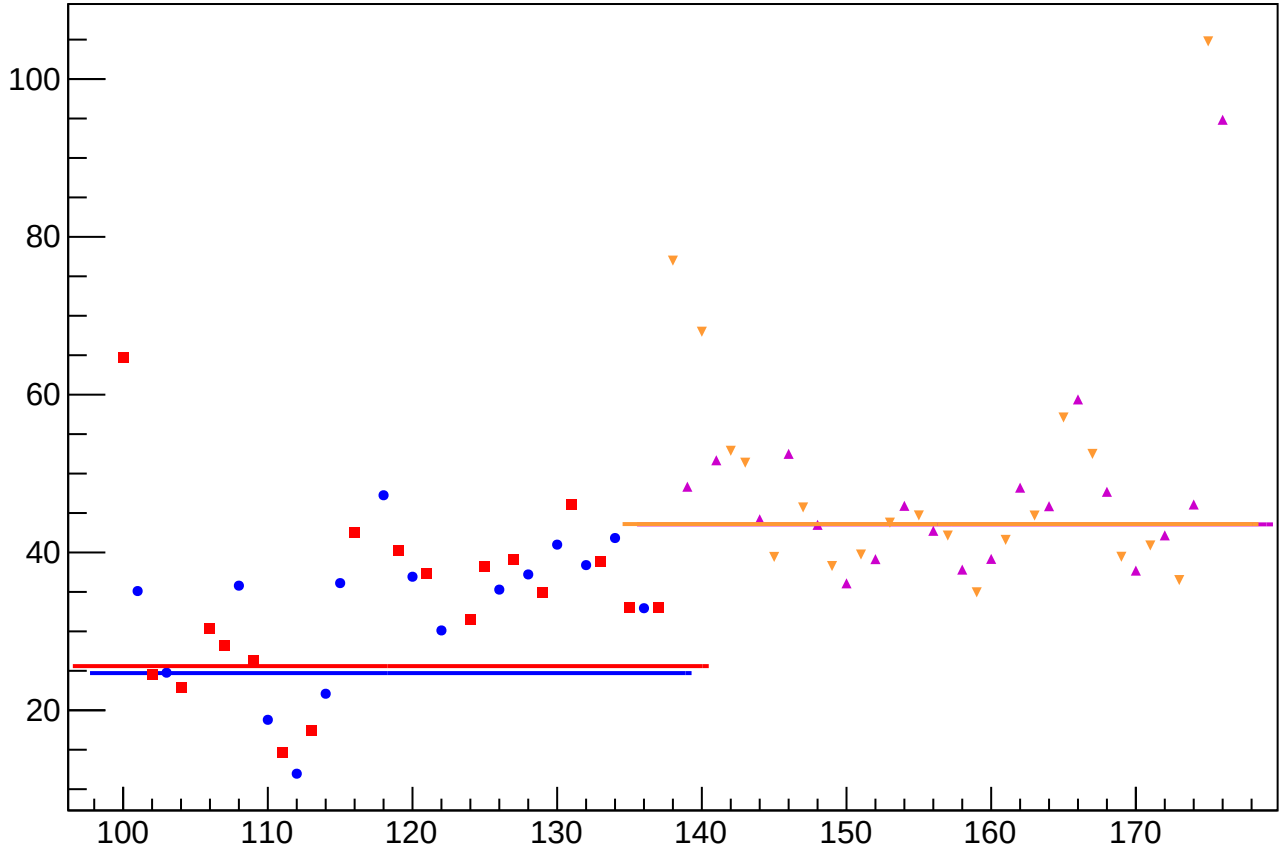
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 71.1/73

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

Left: 43.580+/-0.006 χ^2/NDF: 2083168.5/38

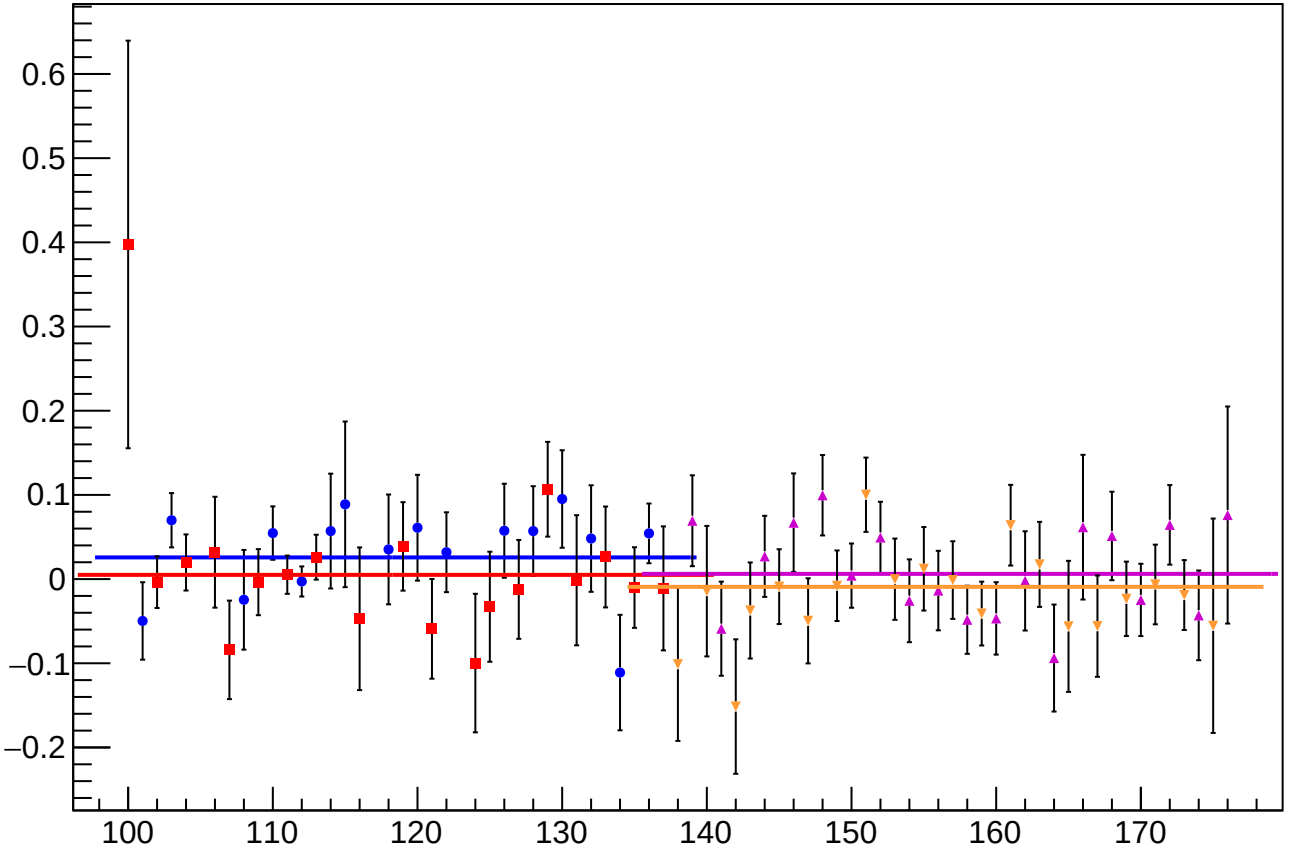
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.126+/-0.005 χ^2/NDF:5976434.0/34

Out: 33.675+/-0.005 χ^2/NDF:5679774.3/38

All: 33.401+/-0.004 χ^2/NDF: 11661294.7/73

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: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.6/38

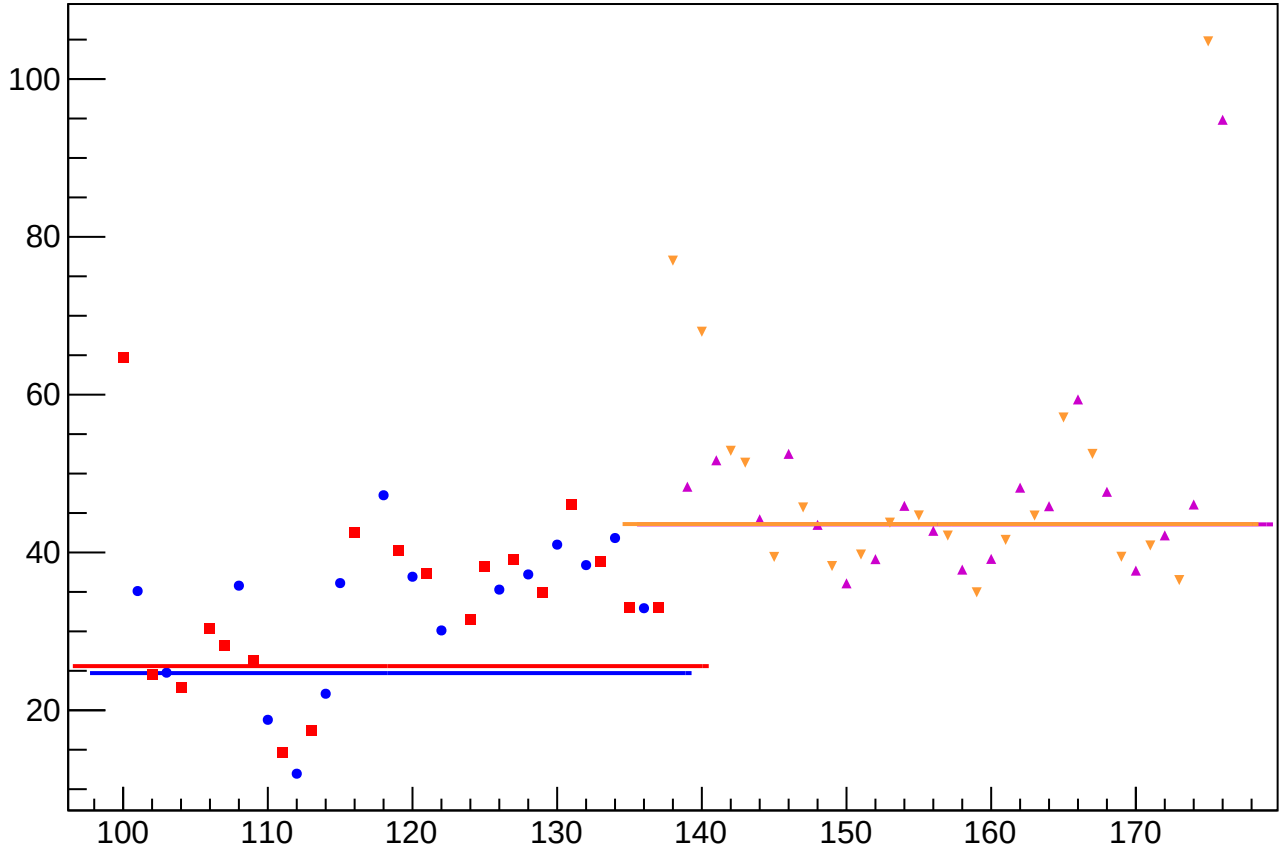
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 71.1/73

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358682.7/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

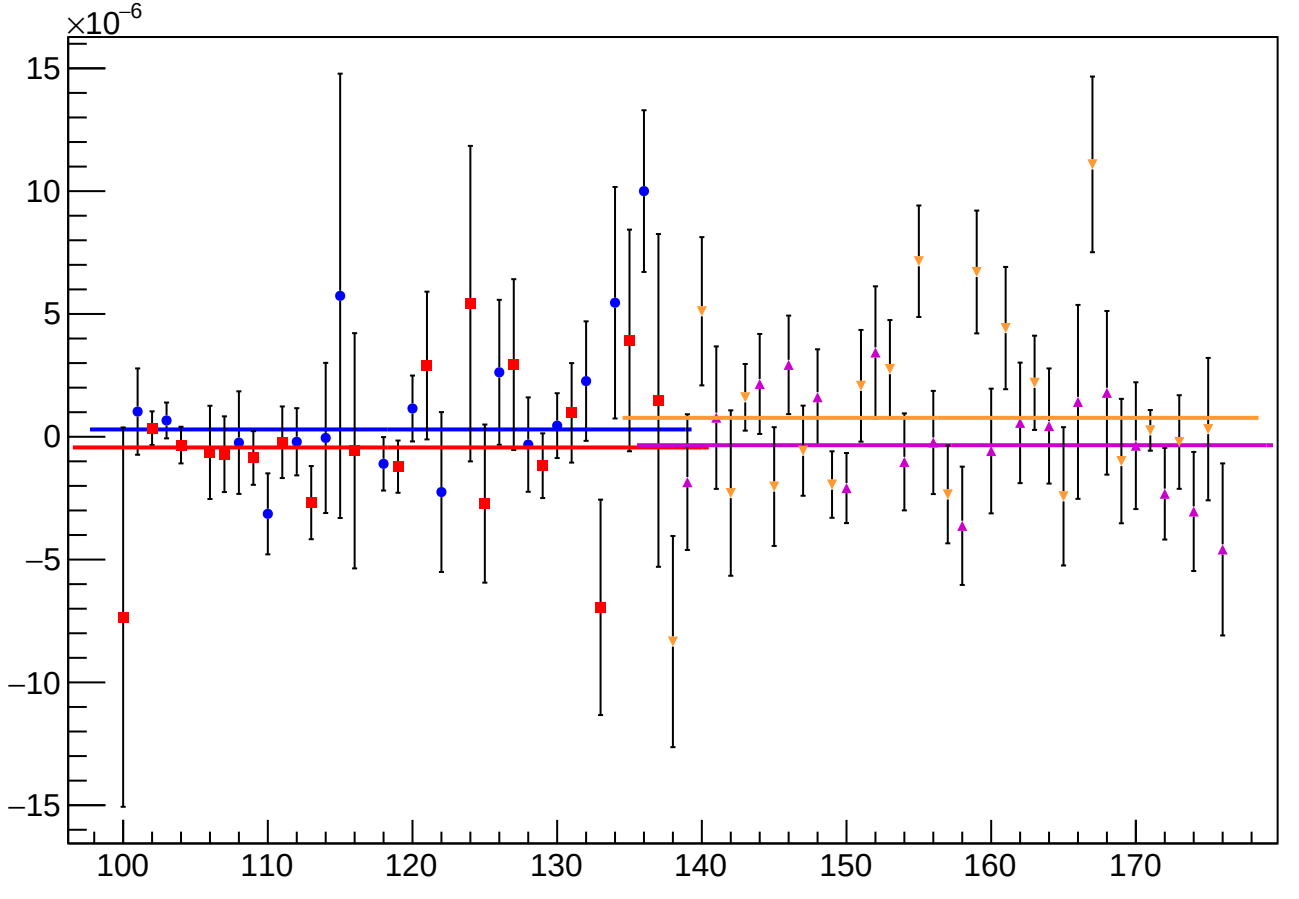
Left: 43.580+/-0.006 χ^2/NDF: 2083168.5/38

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.126+/-0.005 χ^2/NDF:5976434.0/34

Out: 33.675+/-0.005 χ^2/NDF:5679774.3/38

All: 33.401+/-0.004 χ^2/NDF: 11661294.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

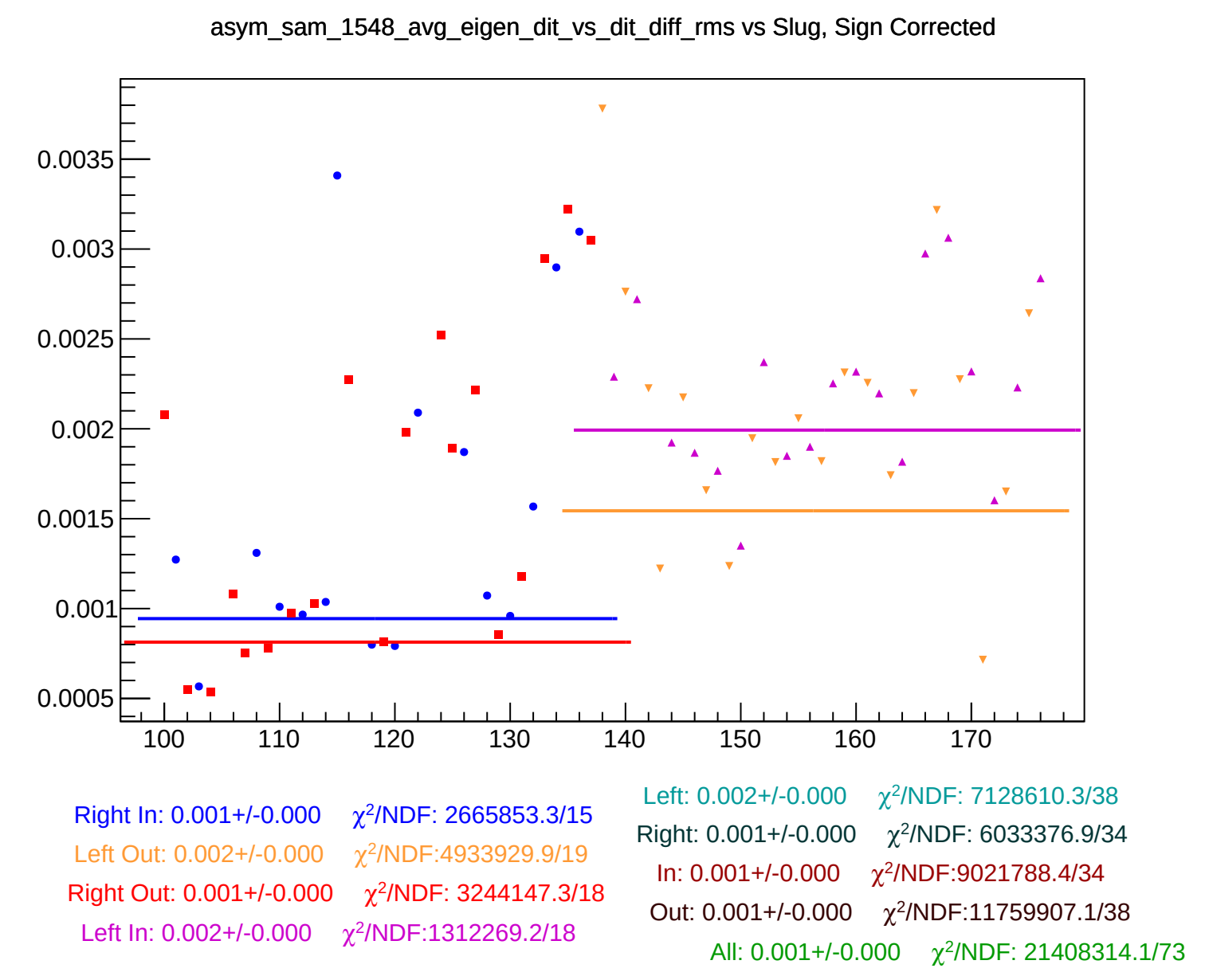
Left: 0.000+/-0.000 χ^2/NDF: 62.9/38

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

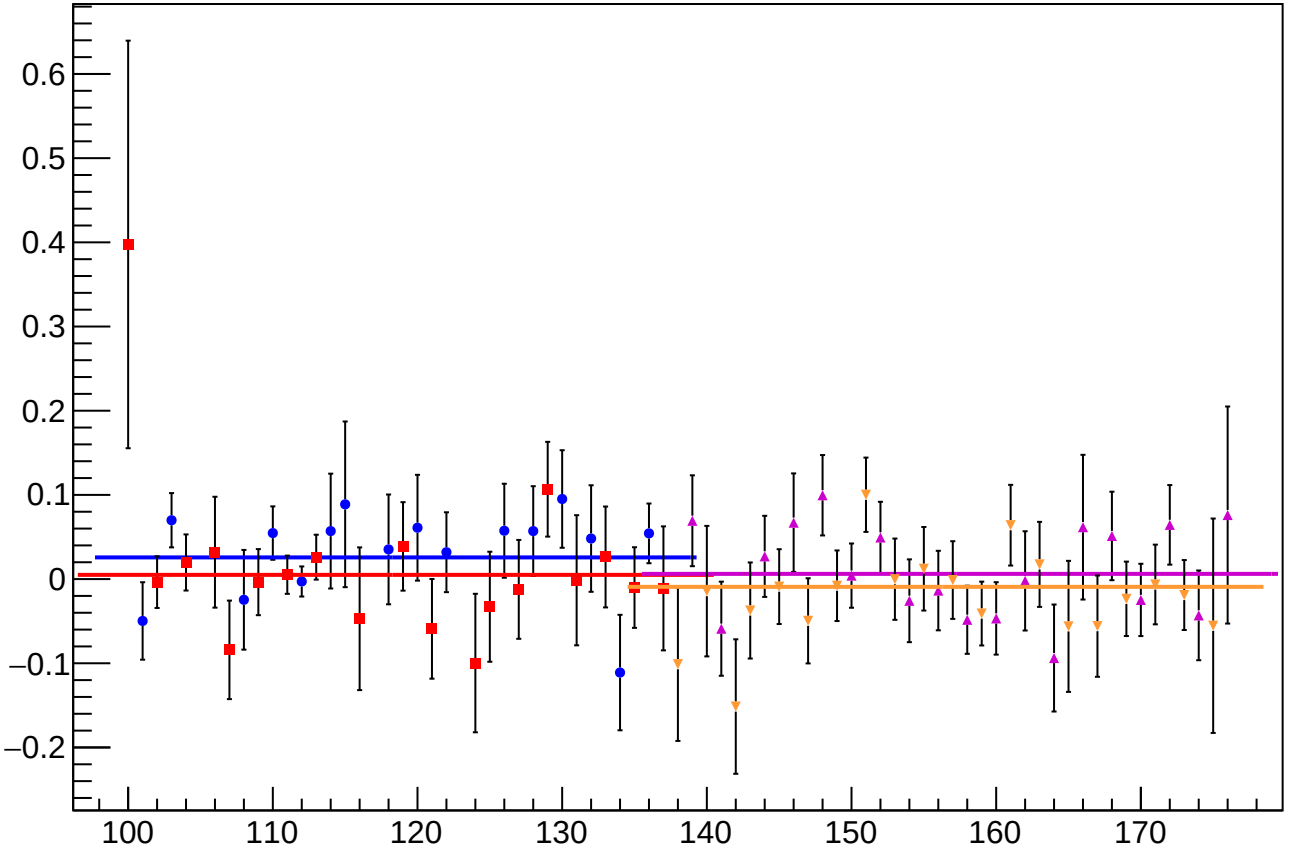
In: 0.000+/-0.000 χ^2/NDF:36.0/34

Out: 0.000+/-0.000 χ^2/NDF:62.0/38

All: 0.000+/-0.000 χ^2/NDF: 98.0/73


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:4933929.9/19
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1312269.2/18
Left: 0.002+/-0.000 χ²/NDF: 7128610.3/38
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:9021788.4/34
Out: 0.001+/-0.000 χ²/NDF:11759907.1/38
All: 0.001+/-0.000 χ²/NDF: 21408314.1/73

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.6/38

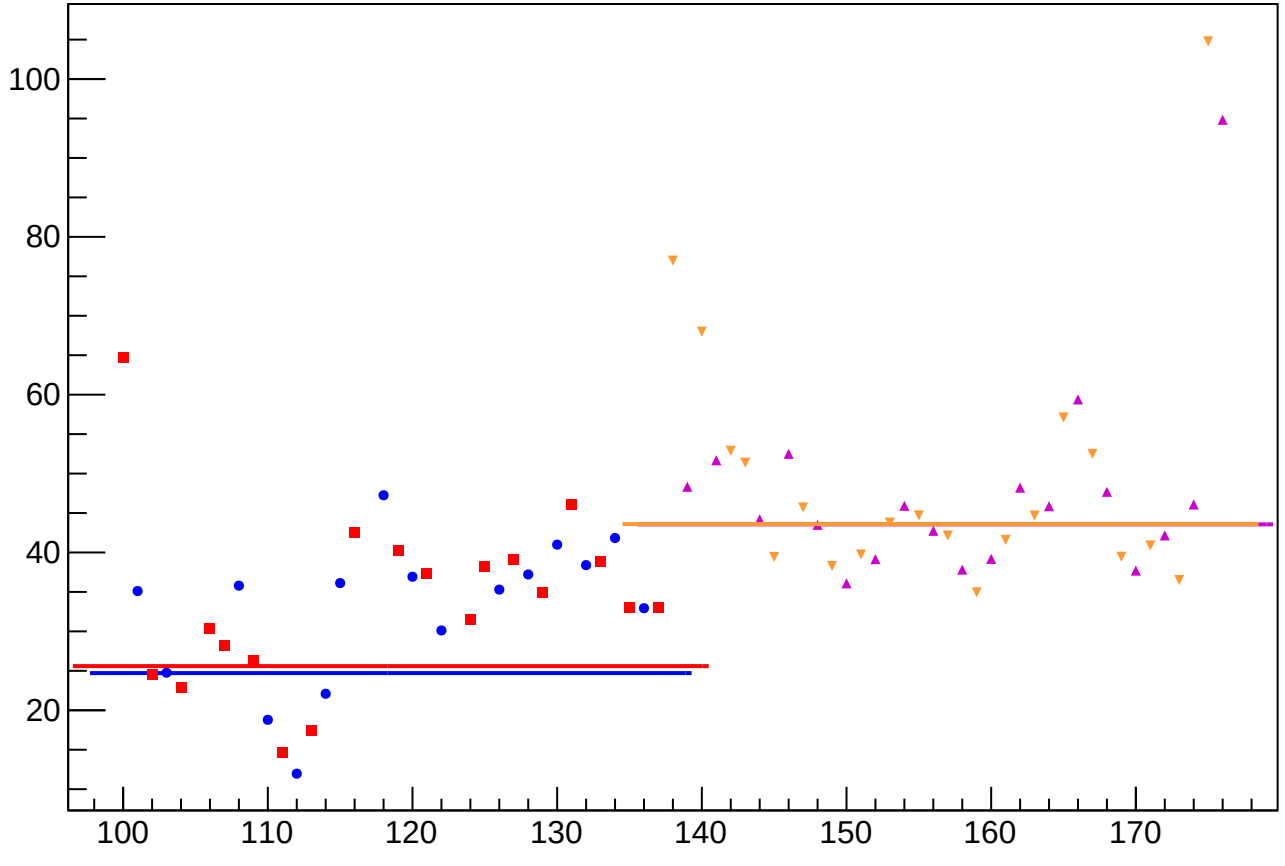
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 71.1/73

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.600+/-0.008 χ^2/NDF:1358661.6/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

Left: 43.581+/-0.006 χ^2/NDF: 2083119.1/38

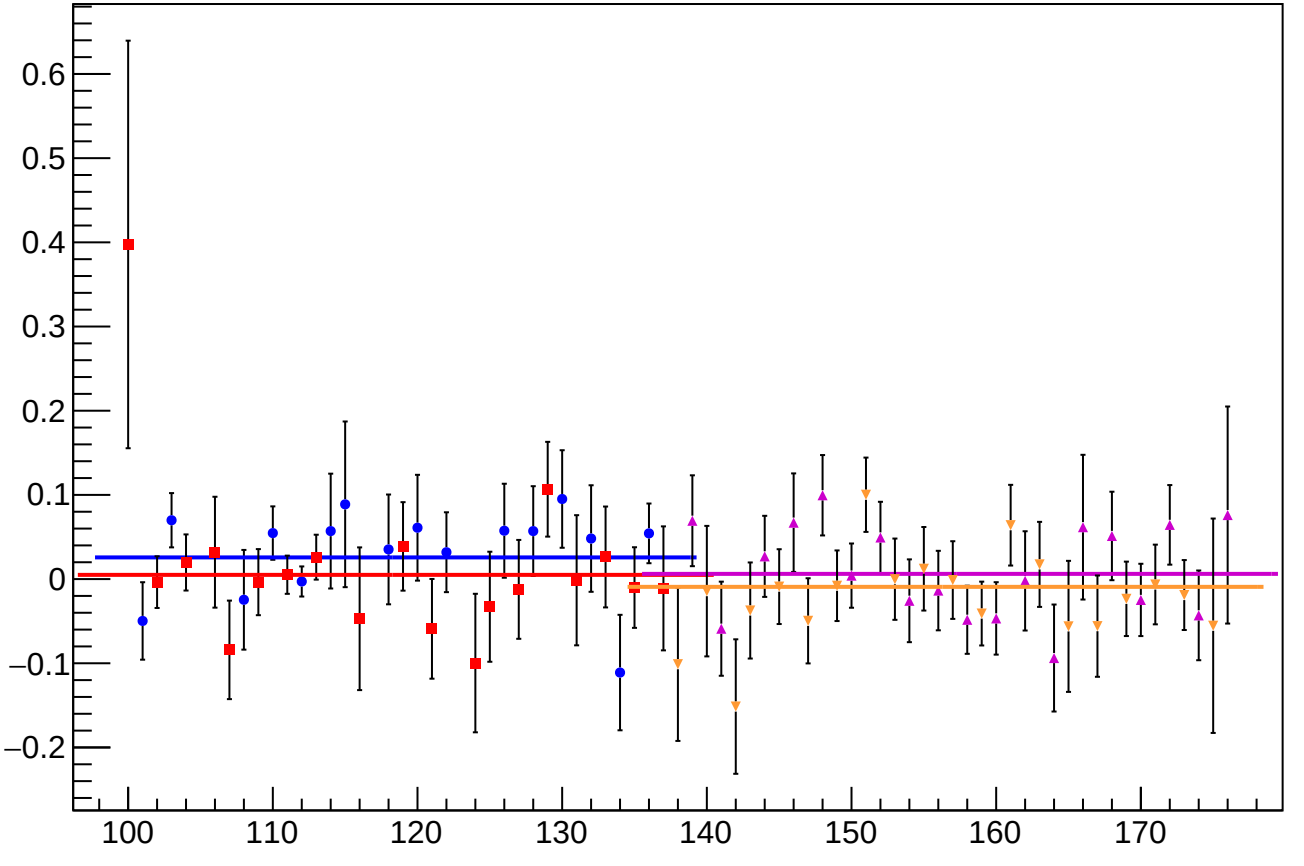
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.125+/-0.005 χ^2/NDF:5976899.2/34

Out: 33.674+/-0.005 χ^2/NDF:5680145.5/38

All: 33.401+/-0.004 χ^2/NDF: 11662133.6/73

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: -0.009+/-0.011 χ^2/NDF:16.0/19

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.6/38

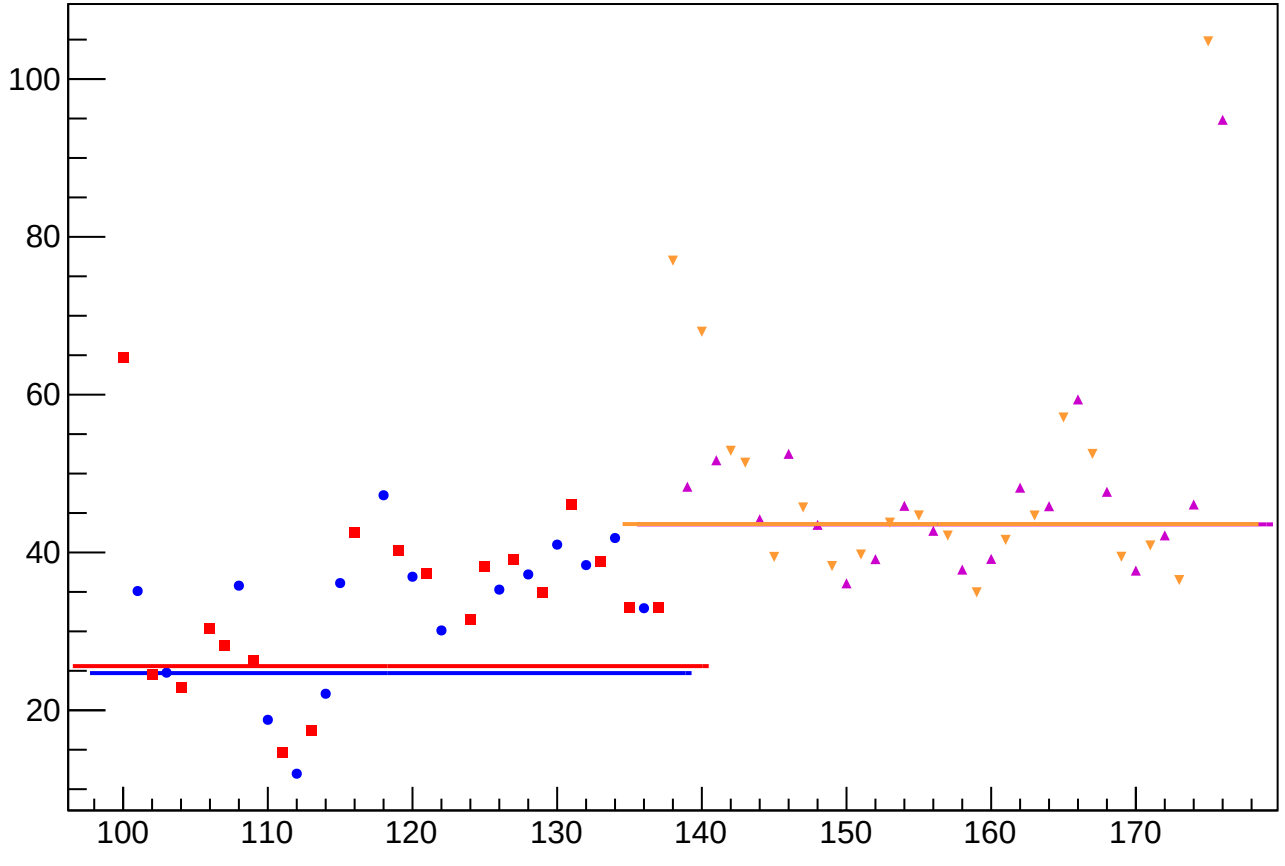
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.001+/-0.008 χ^2/NDF:30.5/38

All: 0.008+/-0.005 χ^2/NDF: 71.1/73

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: 43.600+/-0.008 χ^2/NDF:1358661.6/19

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

Left: 43.581+/-0.006 χ^2/NDF: 2083119.1/38

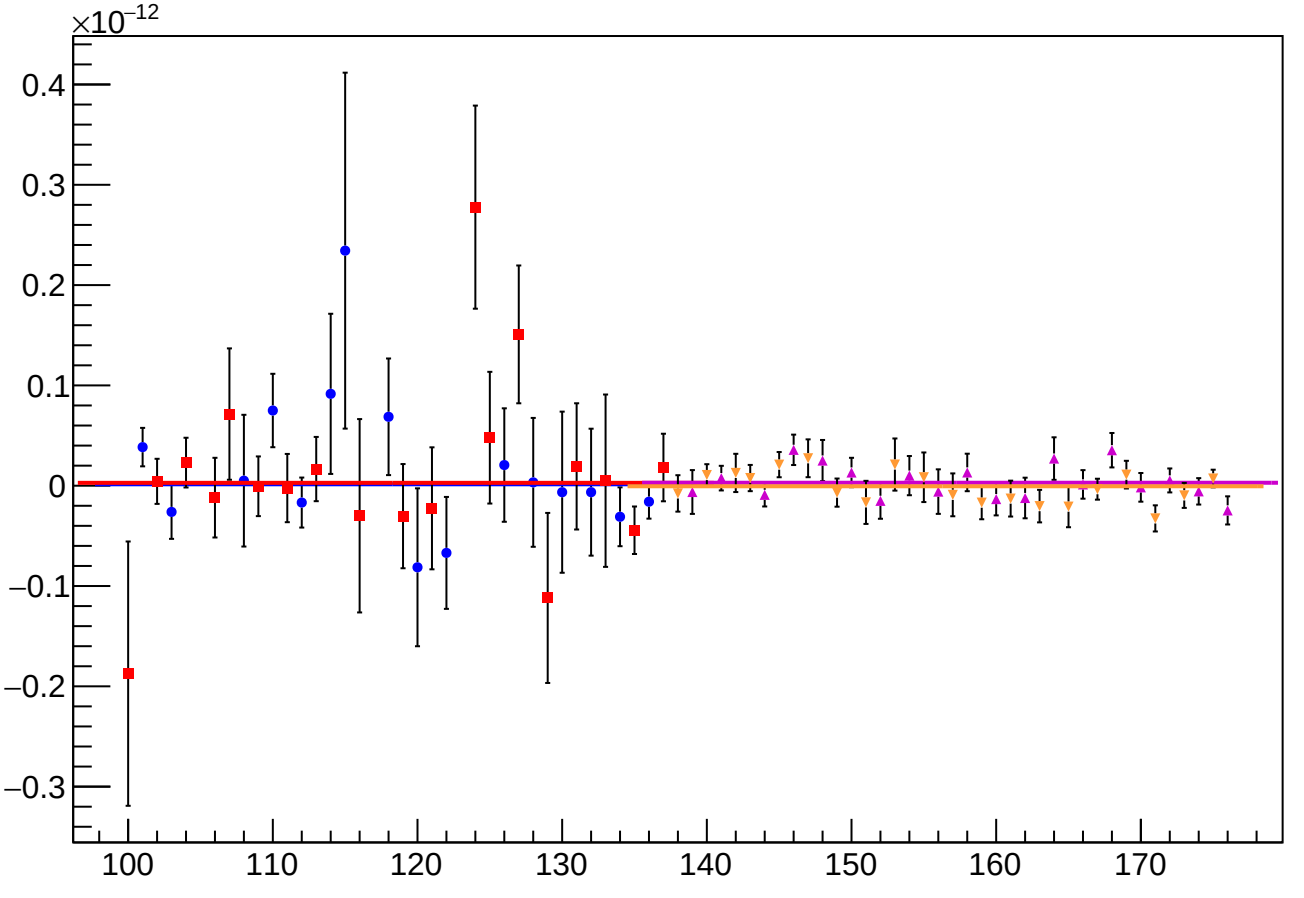
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.125+/-0.005 χ^2/NDF:5976899.2/34

Out: 33.674+/-0.005 χ^2/NDF:5680145.5/38

All: 33.401+/-0.004 χ^2/NDF: 11662133.6/73

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:21.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:20.2/18

Left: 0.000+/-0.000 χ^2/NDF: 41.8/38

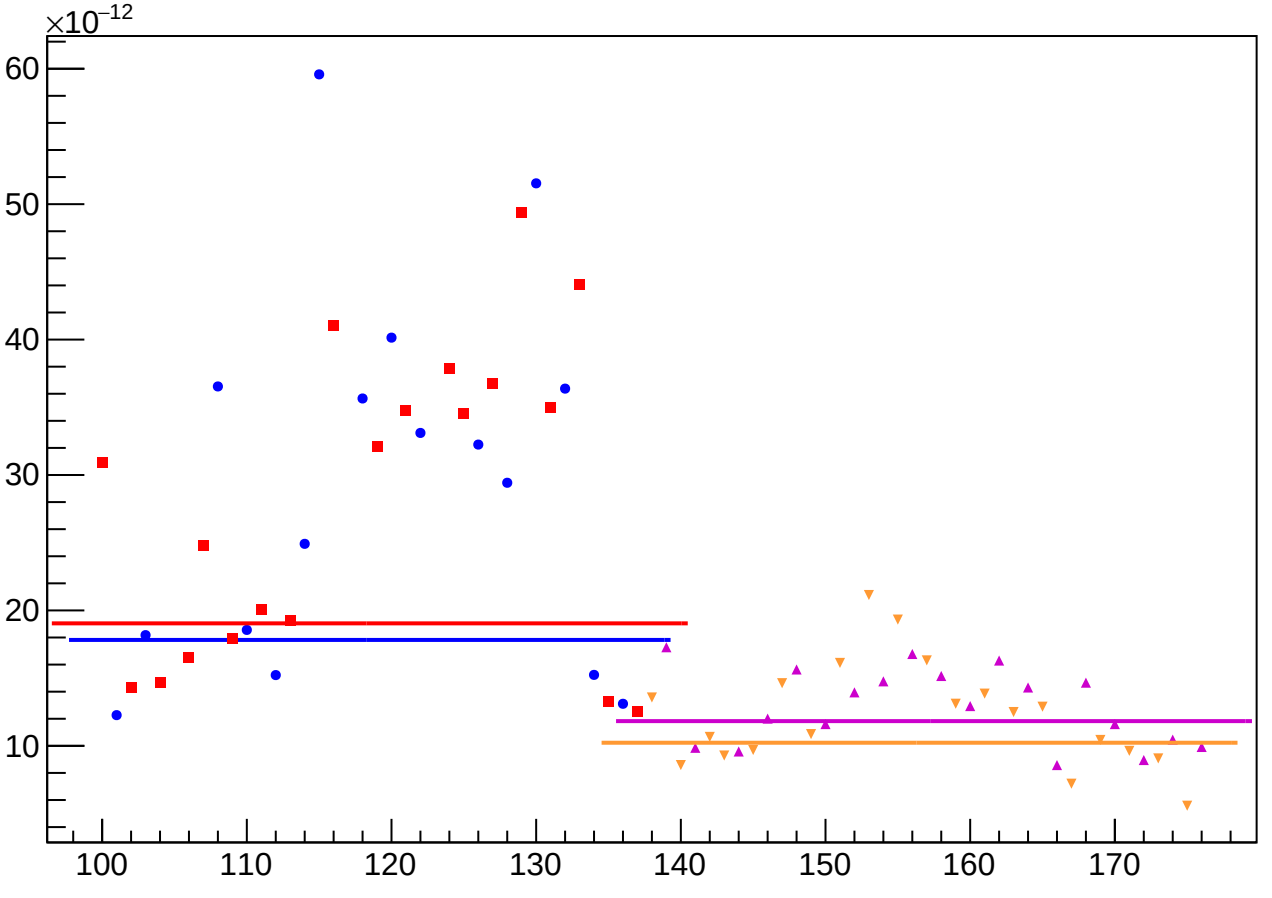
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:39.0/34

Out: -0.000+/-0.000 χ^2/NDF:44.6/38

All: 0.000+/-0.000 χ^2/NDF: 84.0/73

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:2141080.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1025351.1/18

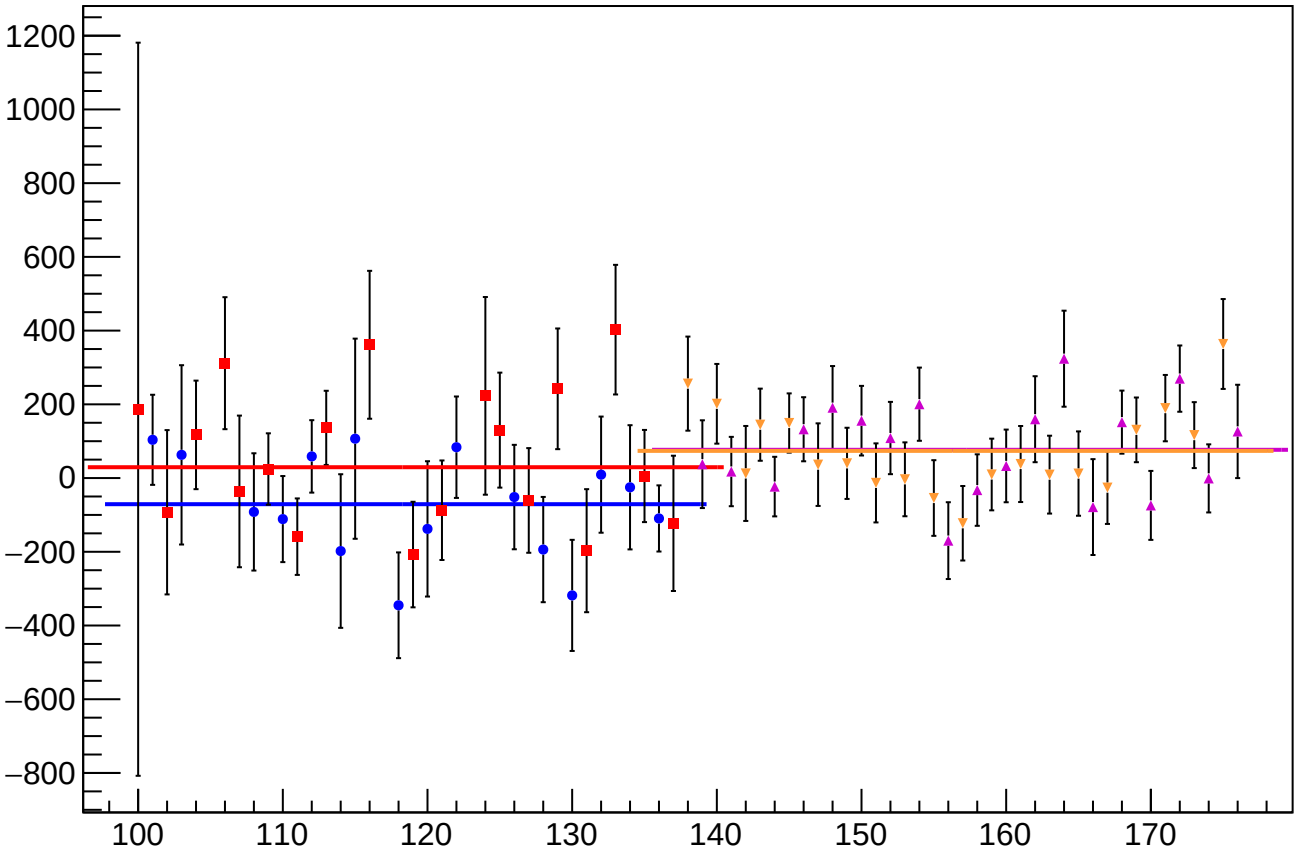
Left: 0.000+/-0.000 χ^2/NDF: 3383589.4/38

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3711013.5/34

Out: 0.000+/-0.000 χ^2/NDF:5414200.1/38

All: 0.000+/-0.000 χ^2/NDF: 9339906.5/73



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.760+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

Left: 75.190+/-16.096 χ^2/NDF: 49.4/38

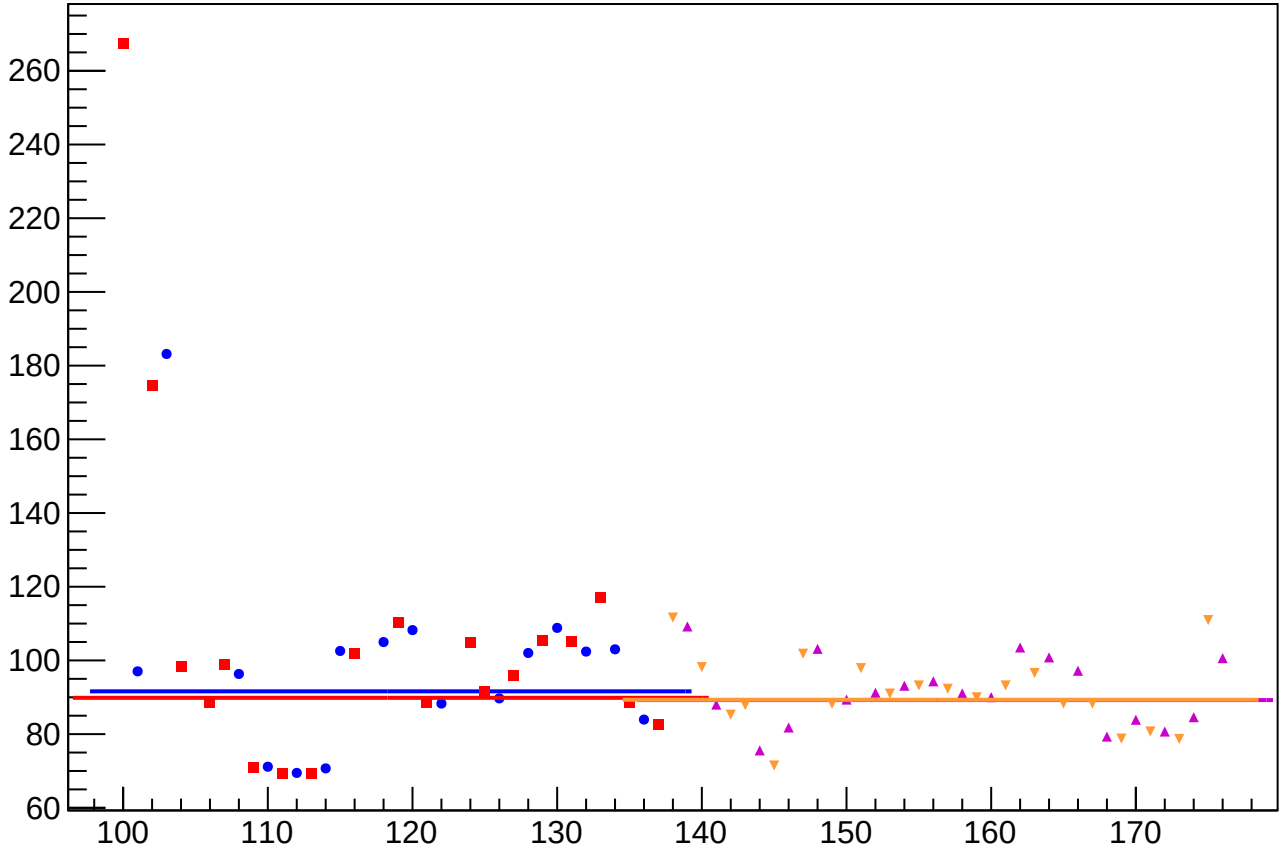
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 32.726+/-19.163 χ^2/NDF:53.7/34

Out: 60.254+/-18.897 χ^2/NDF:47.3/38

All: 46.682+/-13.455 χ^2/NDF: 102.0/73

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

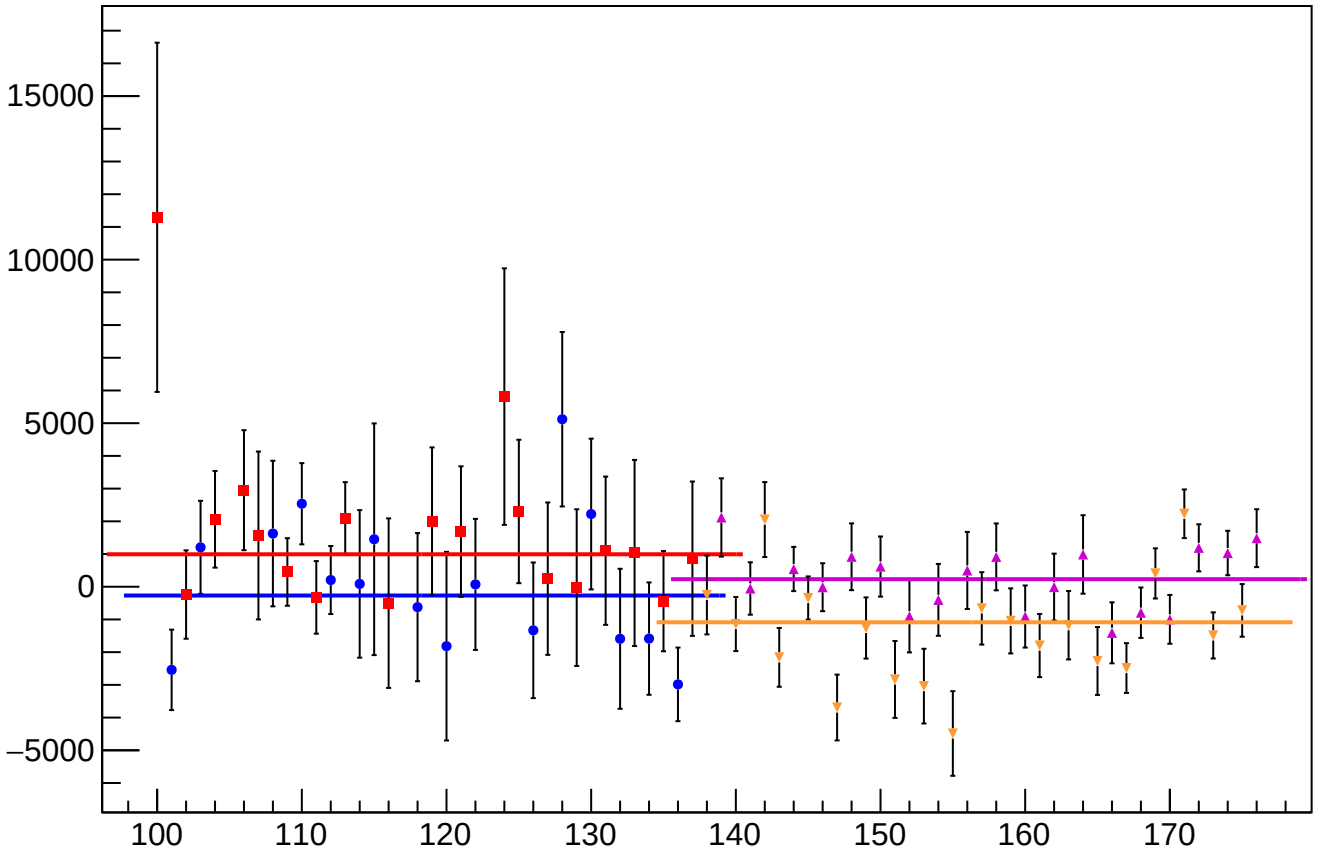
Left: 89.286+/-0.011 χ^2/NDF: 664015.5/38

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.945+/-0.014 χ^2/NDF:881265.0/34

Out: 89.491+/-0.013 χ^2/NDF:1116408.5/38

All: 89.714+/-0.010 χ^2/NDF: 1998242.3/73



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1085.815+/-203.273 χ^2/NDF:59.1/19

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 231.156+/-201.845 χ^2/NDF:20.1/18

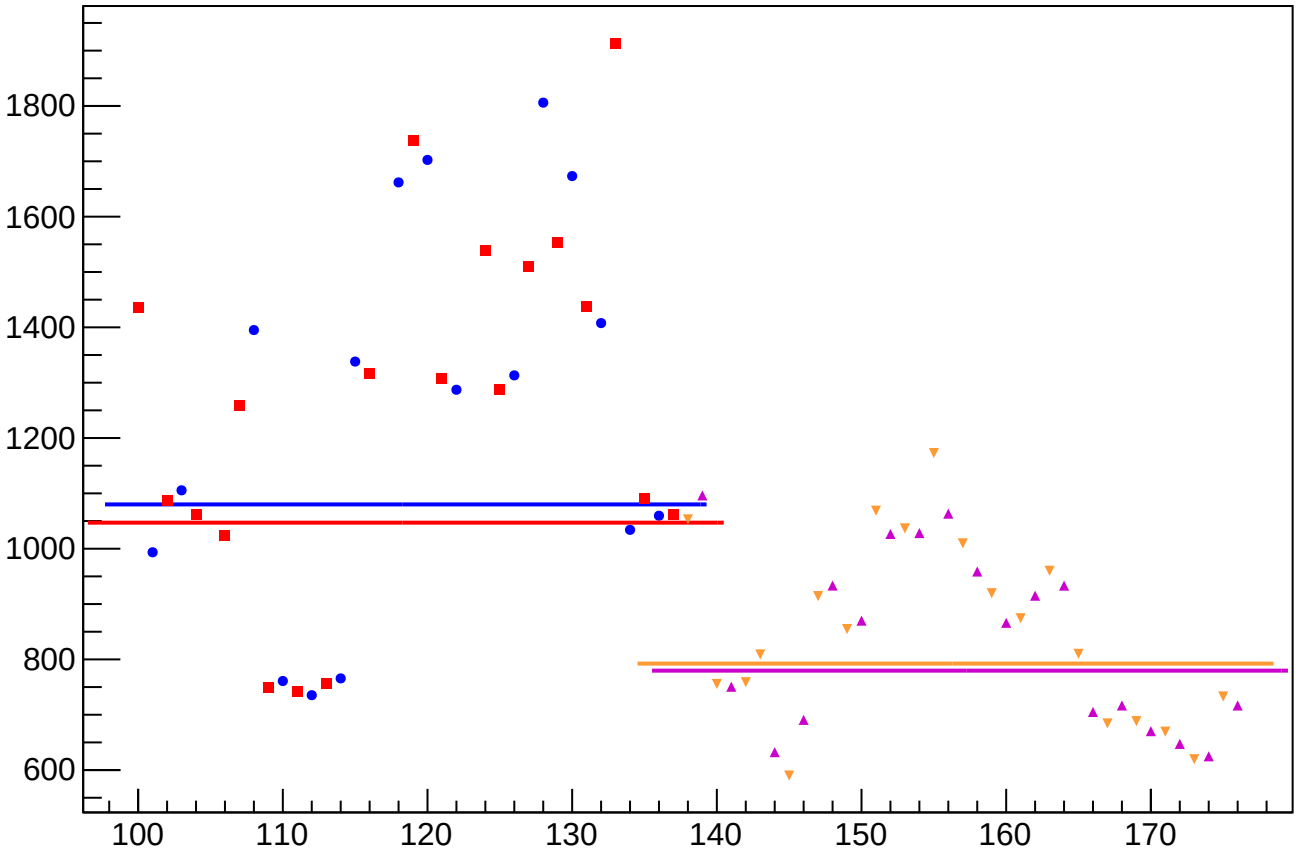
Left: -422.688+/-143.228 χ^2/NDF: 100.3/38

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 137.256+/-181.892 χ^2/NDF:44.7/34

Out: -660.610+/-181.293 χ^2/NDF:93.1/38

All: -262.995+/-128.405 χ^2/NDF: 147.5/73



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140174.6/19

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.8/18

Left: 786.010+/-0.101 χ^2/NDF: 2191111.1/38

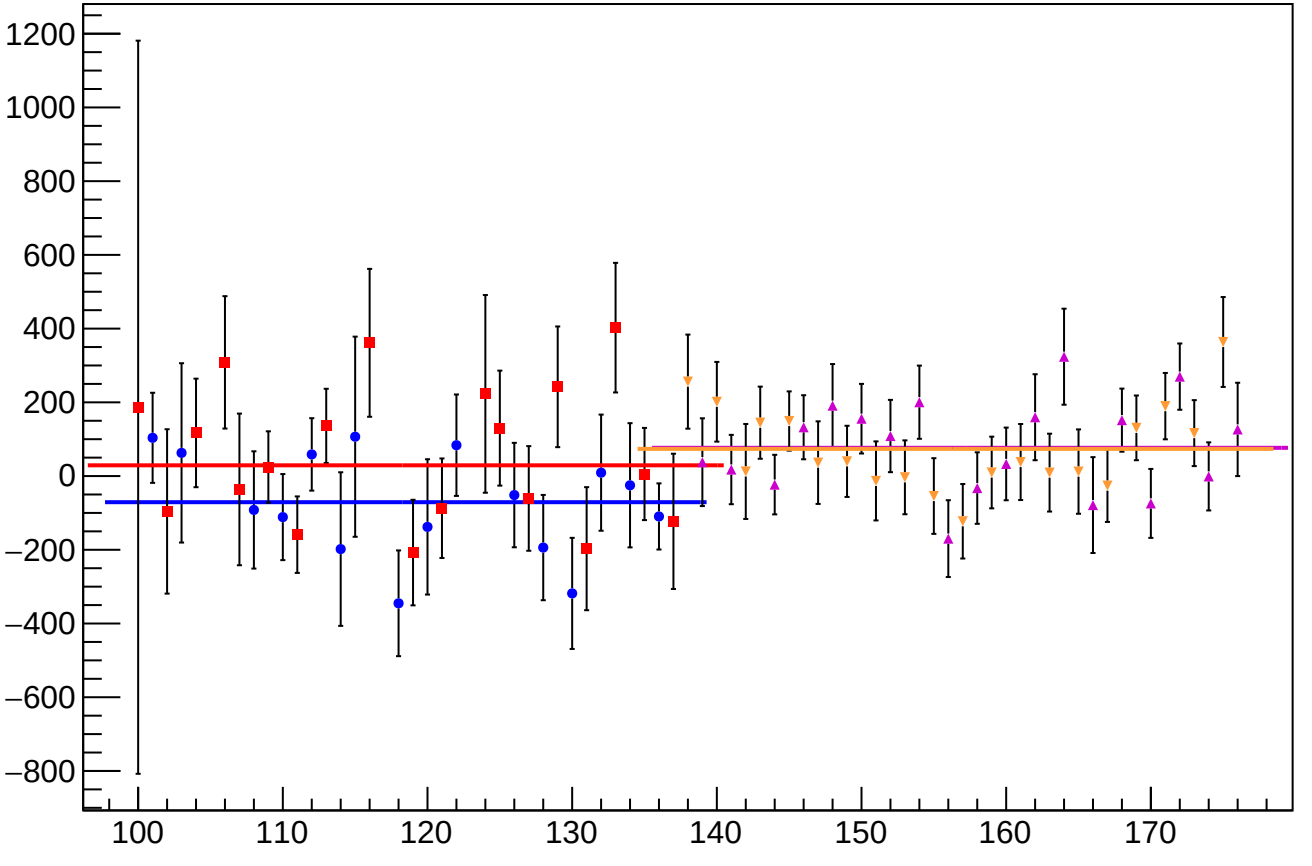
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 836.126+/-0.129 χ^2/NDF:2932785.8/34

Out: 844.525+/-0.128 χ^2/NDF:2980851.5/38

All: 840.340+/-0.091 χ^2/NDF: 5915776.4/73

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

Left: 75.191+/-16.096 χ^2/NDF: 49.4/38

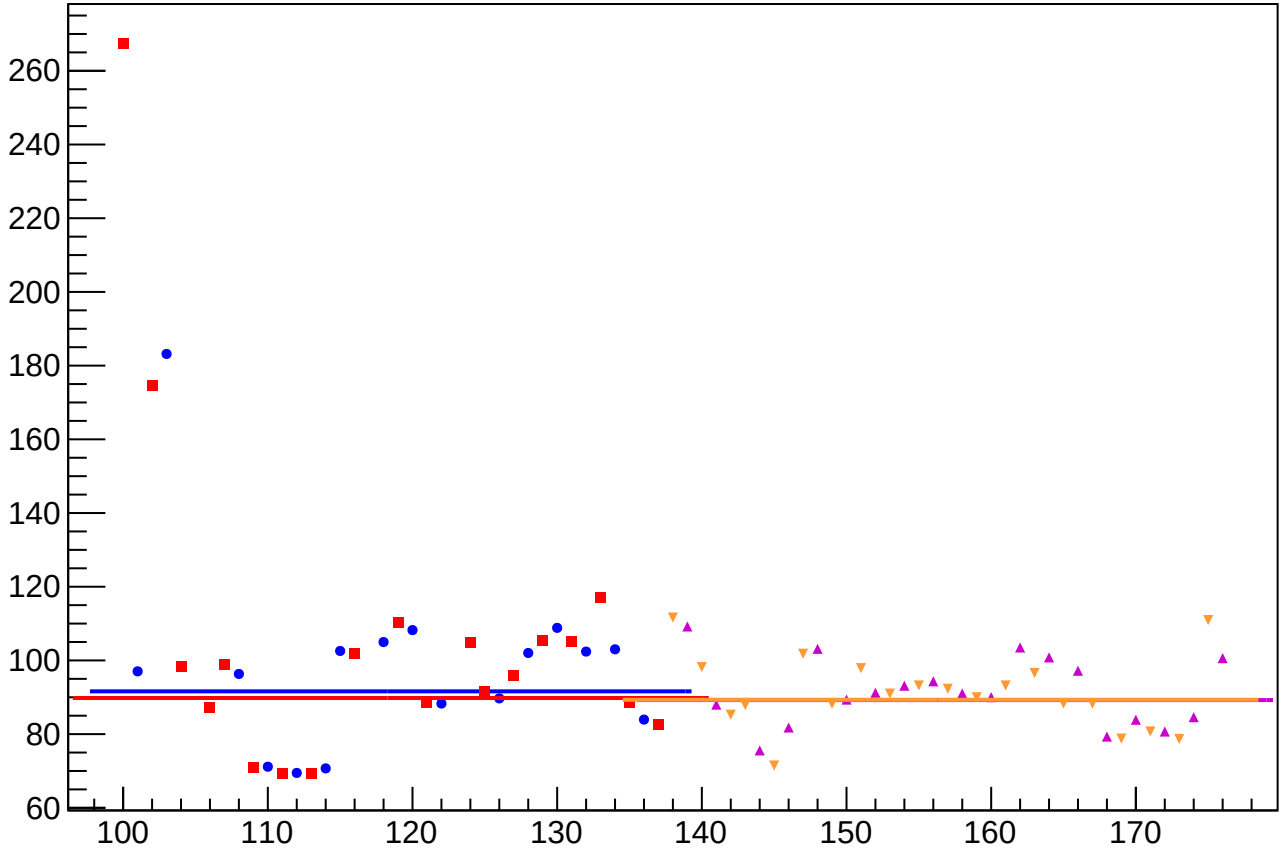
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.722+/-19.163 χ^2/NDF:53.7/34

Out: 60.182+/-18.898 χ^2/NDF:47.2/38

All: 46.643+/-13.456 χ^2/NDF: 102.0/73

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

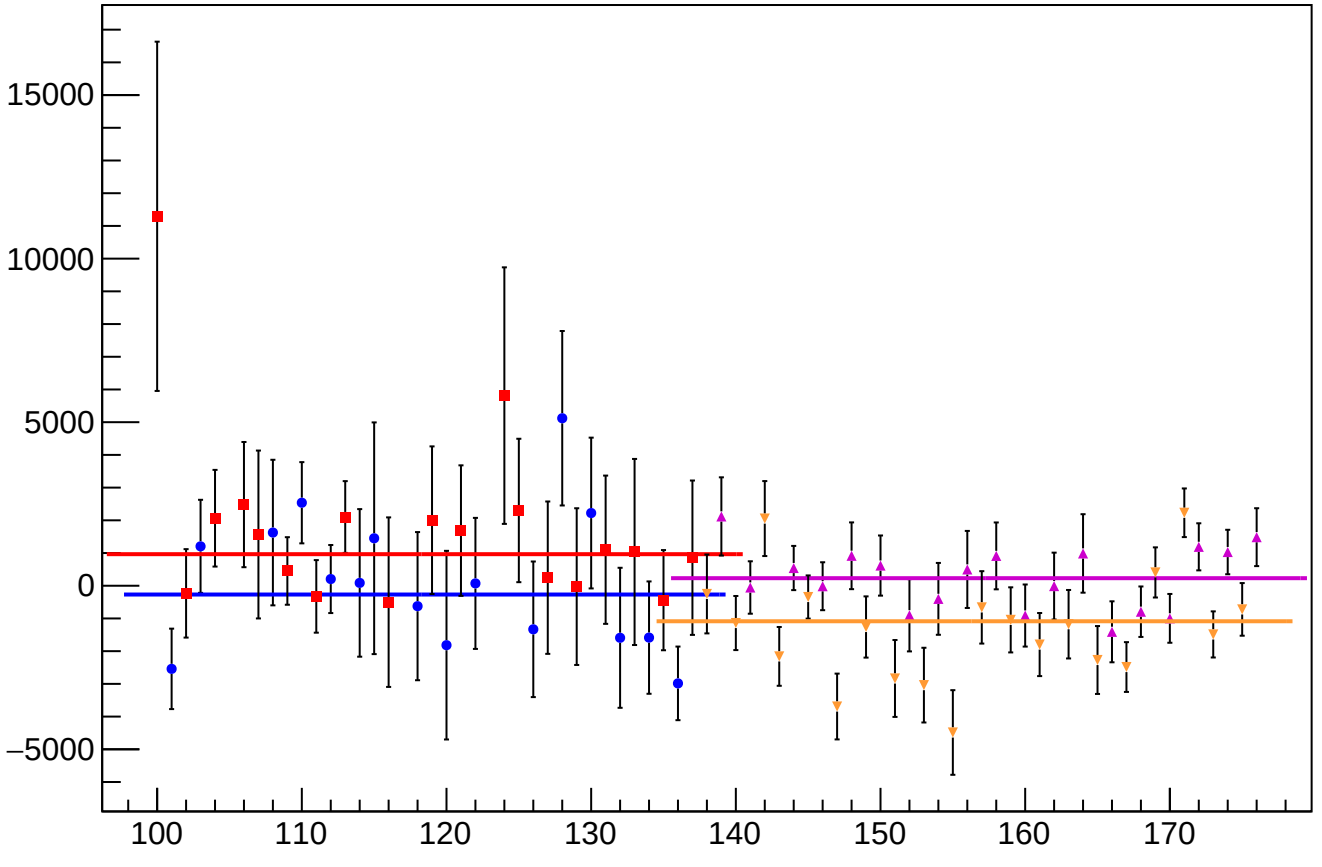
Left: 89.286+/-0.011 χ^2/NDF: 664015.5/38

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.945+/-0.014 χ^2/NDF:881268.1/34

Out: 89.476+/-0.013 χ^2/NDF:1116896.6/38

All: 89.707+/-0.010 χ^2/NDF: 1998770.4/73



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 231.160+/-201.845 χ^2/NDF:20.1/18

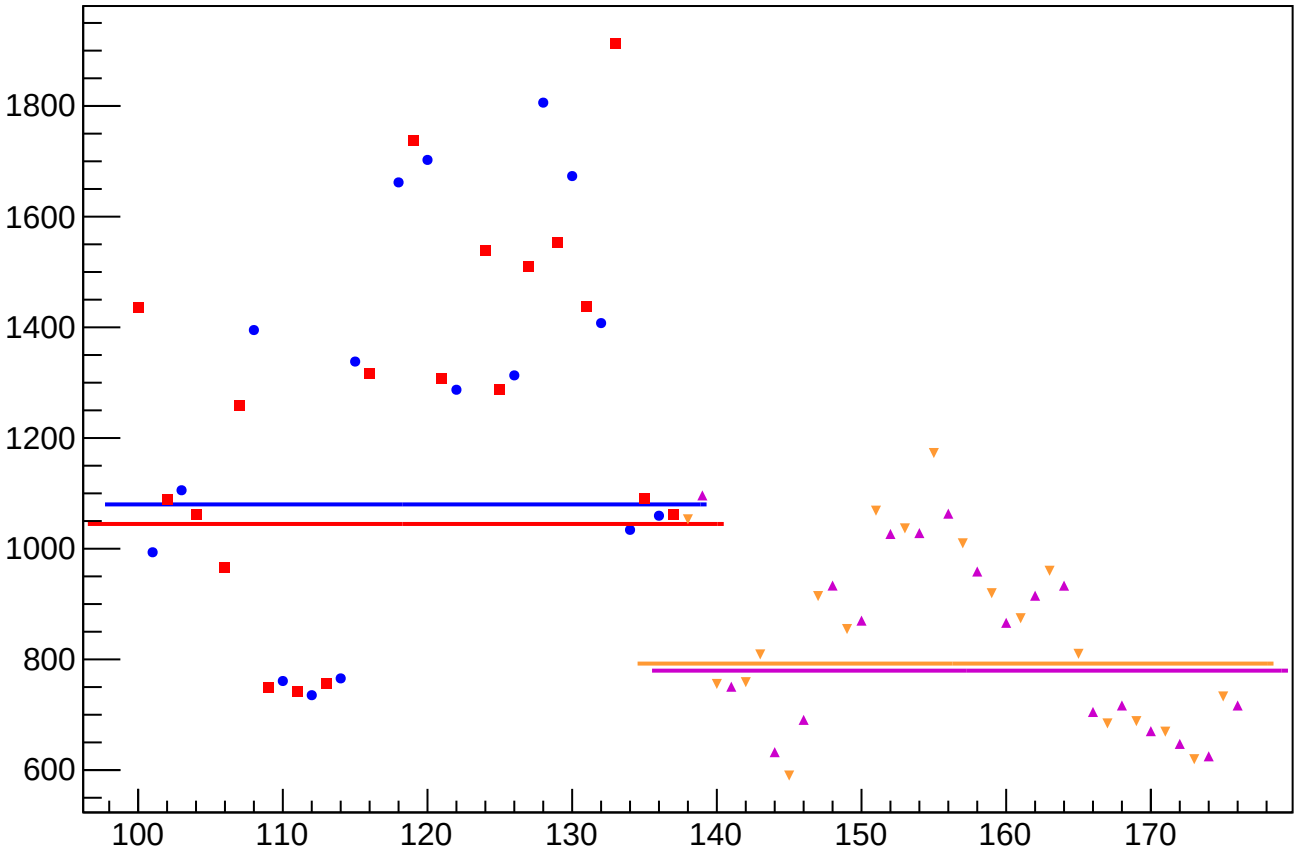
Left: -422.684+/-143.228 χ^2/NDF: 100.3/38

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 137.257+/-181.893 χ^2/NDF:44.7/34

Out: -667.613+/-181.367 χ^2/NDF:91.9/38

All: -266.343+/-128.431 χ^2/NDF: 146.4/73



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

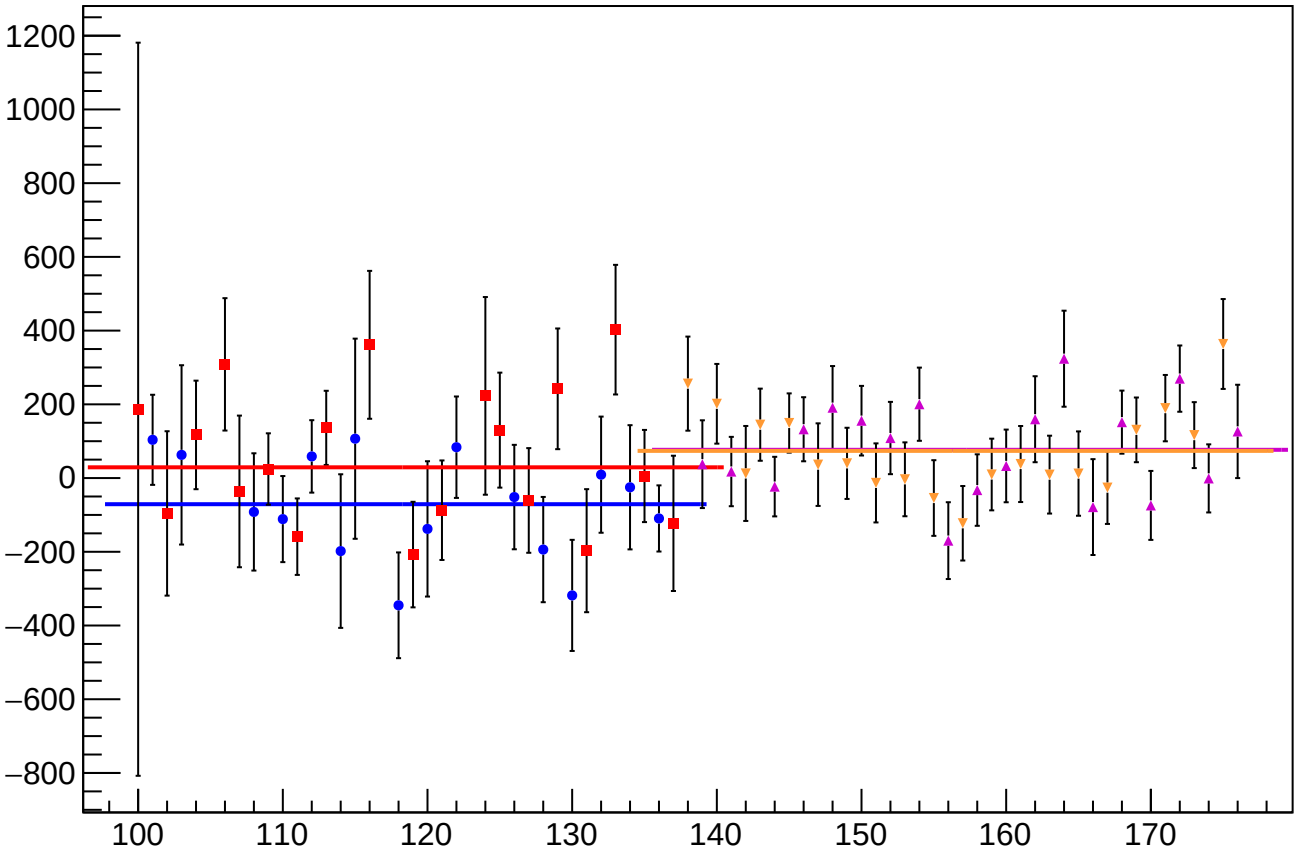
Left: 786.010+/-0.101 χ^2/NDF: 2191112.5/38

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 836.127+/-0.129 χ^2/NDF:2932827.7/34

Out: 843.878+/-0.128 χ^2/NDF:2970215.9/38

All: 840.014+/-0.091 χ^2/NDF: 5904864.8/73



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 73.764+/-22.660 χ^2/NDF:22.1/19

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

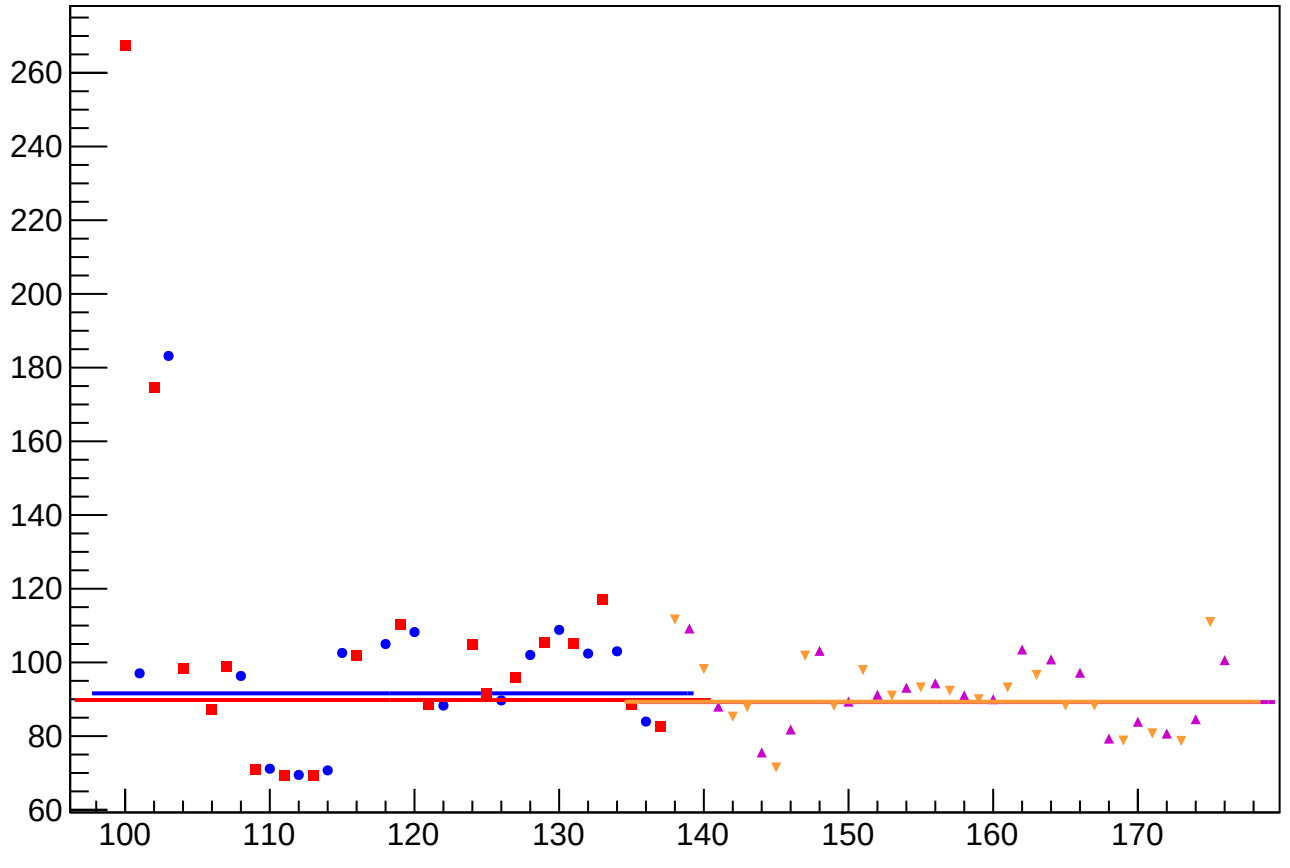
Left: 75.191+/-16.096 χ^2/NDF: 49.4/38

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.722+/-19.163 χ^2/NDF:53.7/34

Out: 60.182+/-18.898 χ^2/NDF:47.2/38

All: 46.643+/-13.456 χ^2/NDF: 102.0/73



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.331+/-0.016 χ^2/NDF:369794.8/19

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

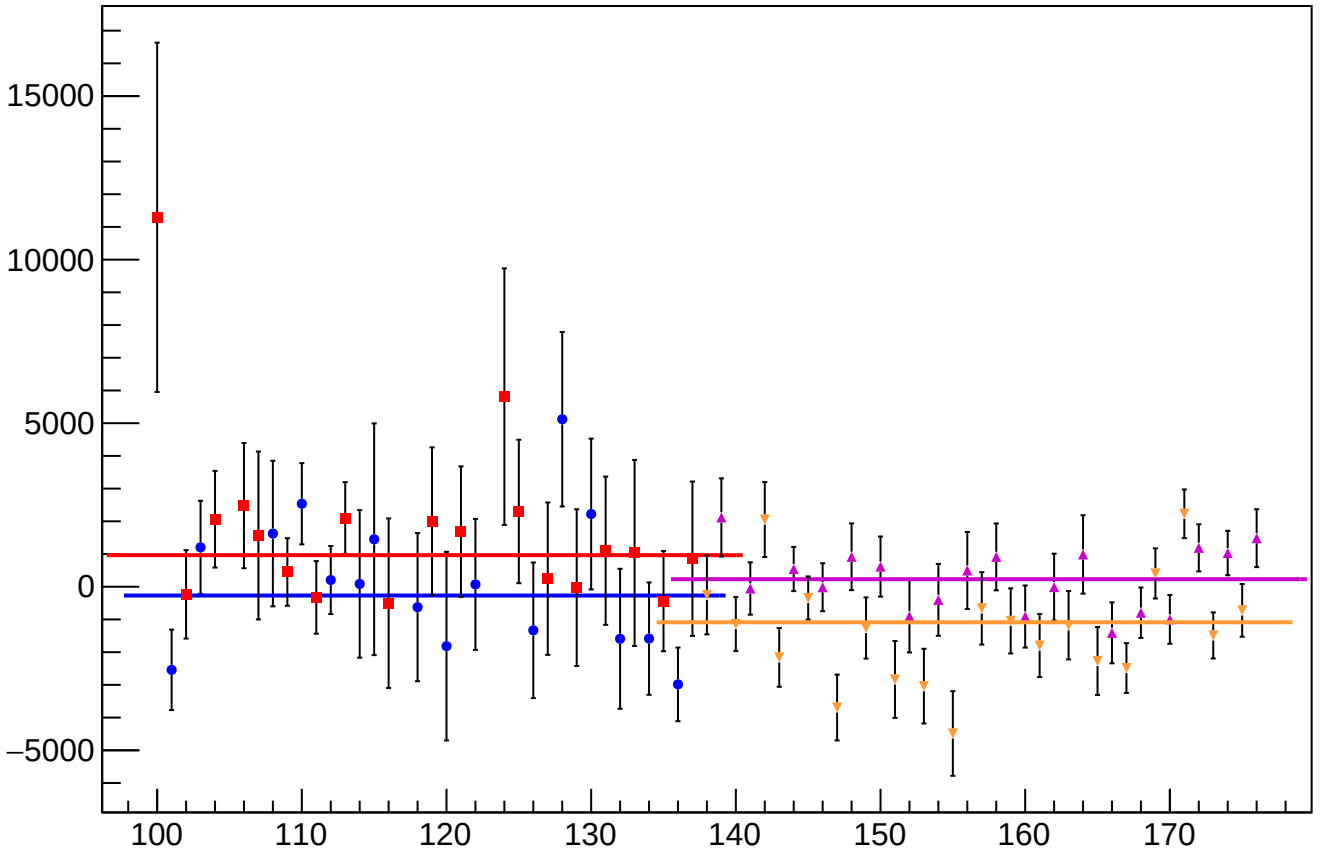
Left: 89.286+/-0.011 χ^2/NDF: 664015.5/38

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.945+/-0.014 χ^2/NDF:881268.1/34

Out: 89.476+/-0.013 χ^2/NDF:1116896.6/38

All: 89.707+/-0.010 χ^2/NDF: 1998770.4/73



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1085.811+/-203.273 χ^2/NDF:59.1/19

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 231.160+/-201.845 χ^2/NDF:20.1/18

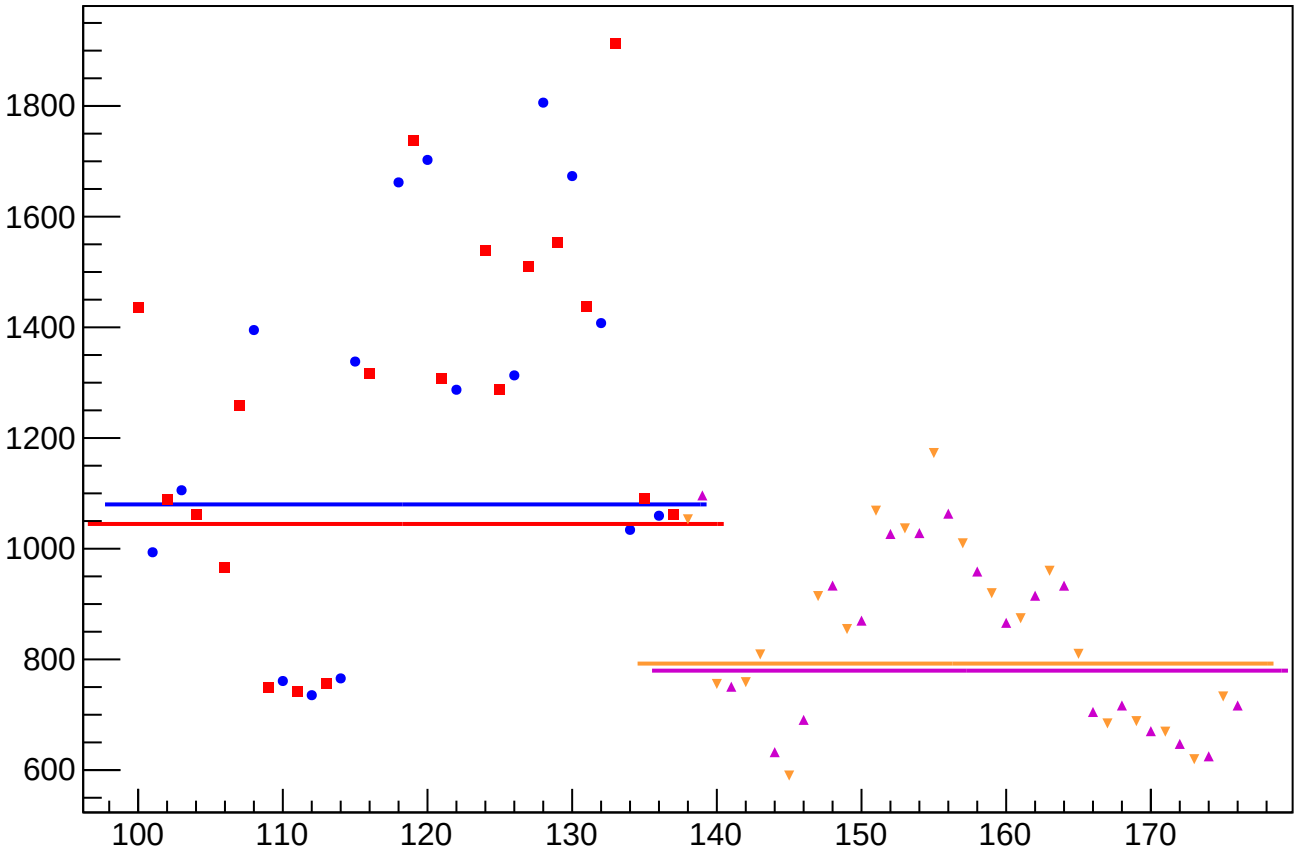
Left: -422.684+/-143.228 χ^2/NDF: 100.3/38

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 137.257+/-181.893 χ^2/NDF:44.7/34

Out: -667.613+/-181.367 χ^2/NDF:91.9/38

All: -266.343+/-128.431 χ^2/NDF: 146.4/73



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 792.433+/-0.144 χ^2/NDF:1140176.8/19

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

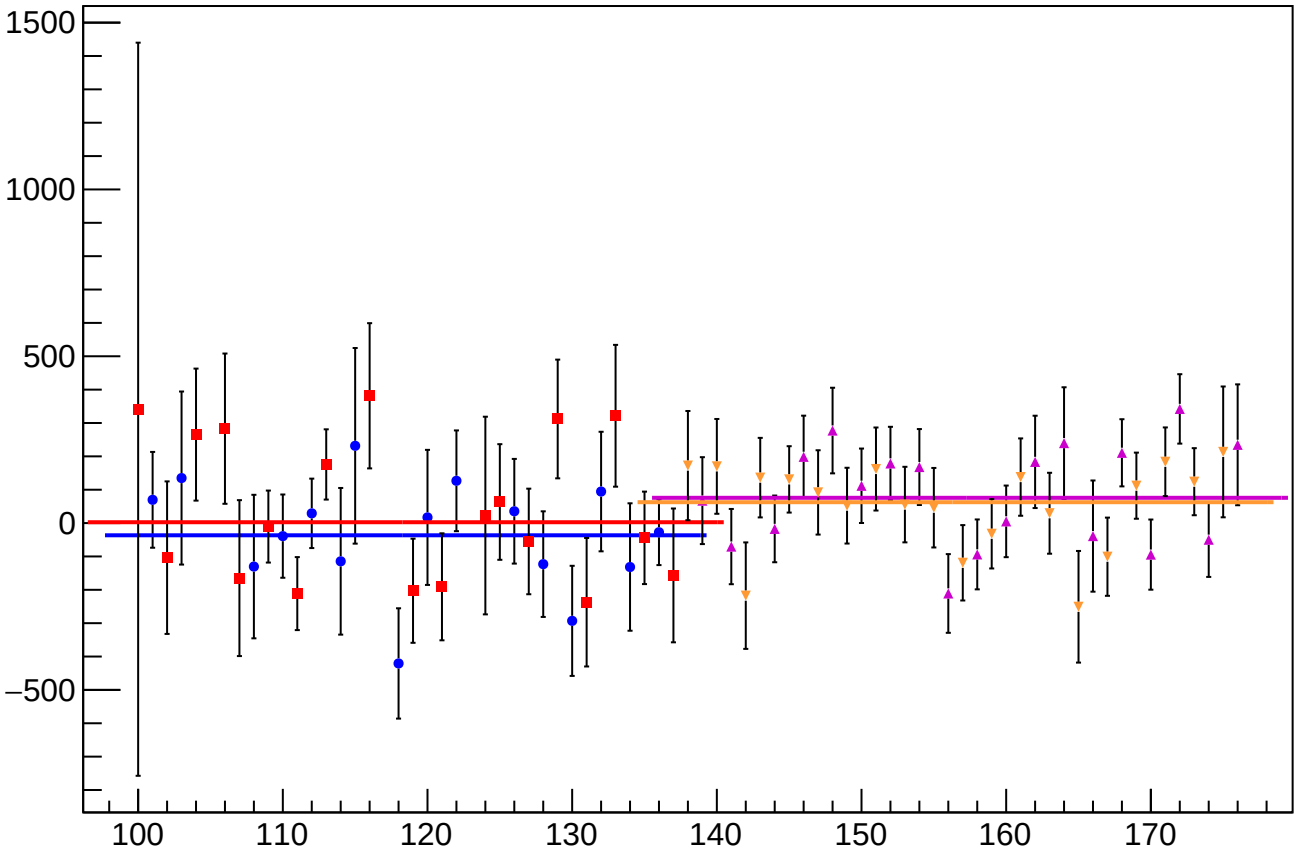
Left: 786.010+/-0.101 χ^2/NDF: 2191112.5/38

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

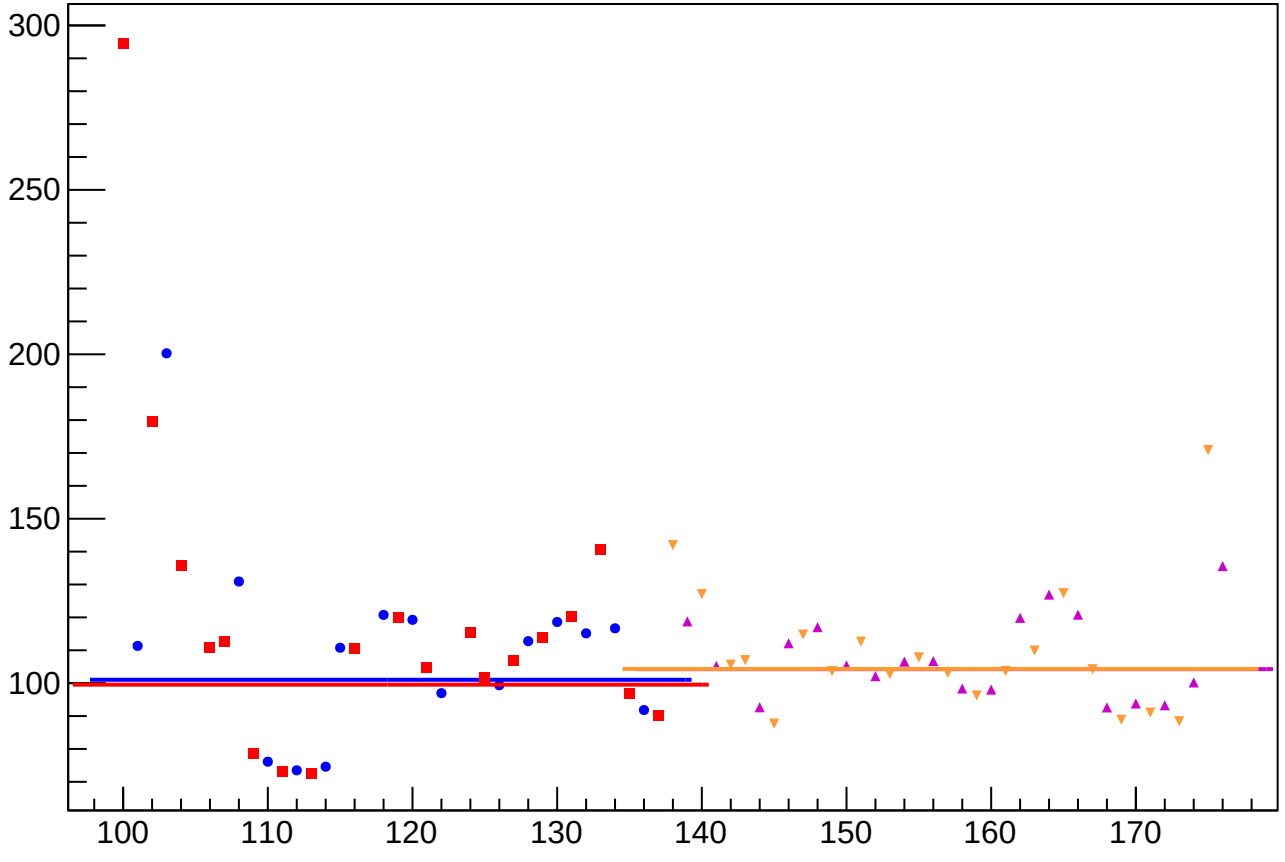
In: 836.127+/-0.129 χ^2/NDF:2932827.7/34

Out: 843.878+/-0.128 χ^2/NDF:2970215.9/38

All: 840.014+/-0.091 χ^2/NDF: 5904864.8/73


dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: -36.590+/-38.991 χ²/NDF: 12.9/15
Left Out: 62.602+/-26.787 χ²/NDF:17.6/19
Right Out: 2.568+/-38.165 χ²/NDF: 24.7/18
Left In: 75.761+/-27.010 χ²/NDF:31.7/18
Left: 69.127+/-19.019 χ²/NDF: 49.4/38
Right: -16.592+/-27.274 χ²/NDF: 38.1/34
In: 39.330+/-22.203 χ²/NDF:50.2/34
Out: 42.788+/-21.925 χ²/NDF:44.0/38
All: 41.081+/-15.601 χ²/NDF: 94.2/73

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.329+/-0.019 χ^2/NDF:655711.8/19

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308778.1/18

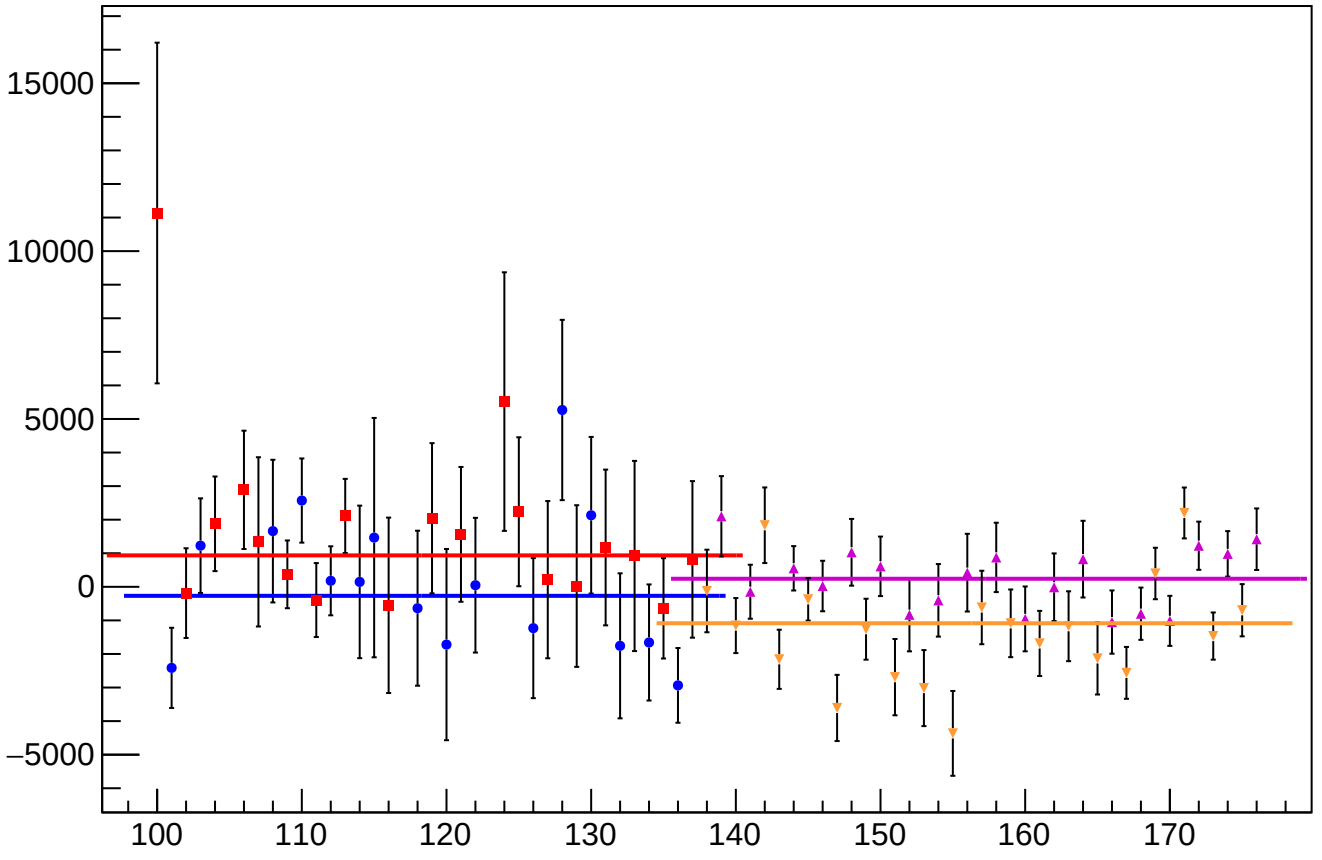
Left: 104.298+/-0.013 χ^2/NDF: 964495.5/38

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.217+/-0.016 χ^2/NDF:1034174.5/34

Out: 102.751+/-0.016 χ^2/NDF:1557244.0/38

All: 102.981+/-0.011 χ^2/NDF: 2591864.9/73



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.779+/-201.615 χ^2/NDF:56.6/19

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 240.336+/-201.279 χ^2/NDF:18.6/18

Left: -421.117+/-142.445 χ^2/NDF: 96.8/38

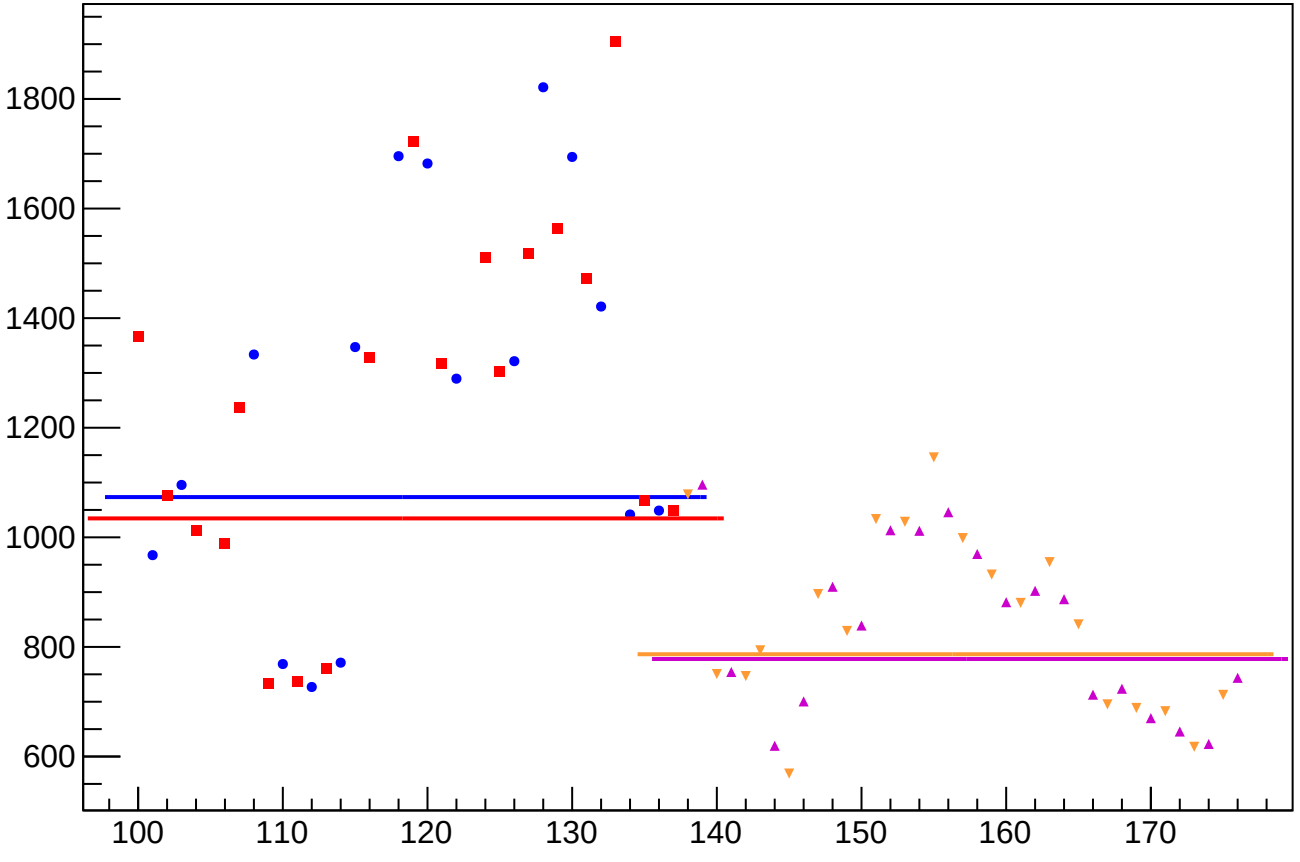
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 144.326+/-181.273 χ^2/NDF:43.2/34

Out: -669.036+/-179.691 χ^2/NDF:90.4/38

All: -265.919+/-127.616 χ^2/NDF: 143.8/73

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 786.666+/-0.143 χ^2/NDF:1155954.7/19

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 777.954+/-0.142 χ^2/NDF:995174.3/18

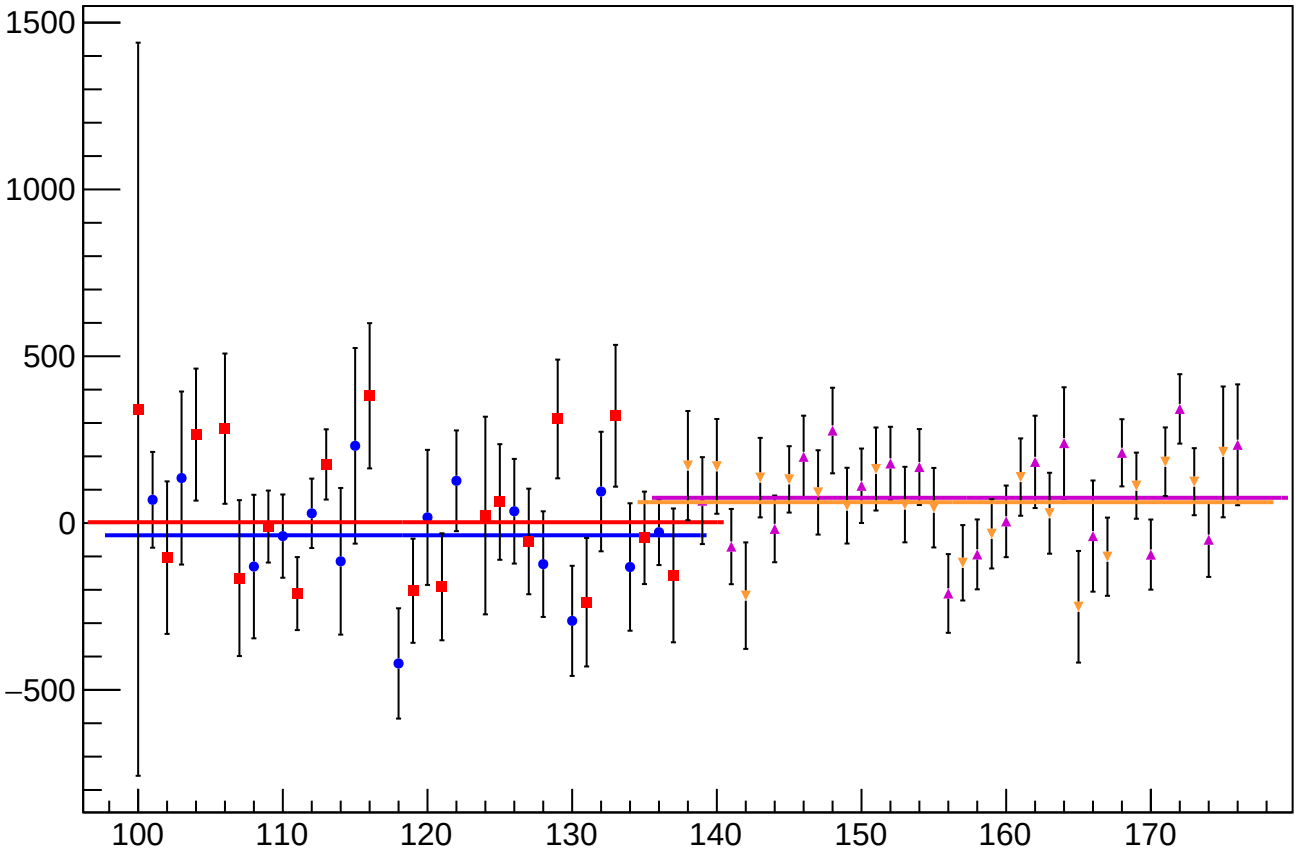
Left: 782.303+/-0.101 χ^2/NDF: 2152999.2/38

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 833.779+/-0.128 χ^2/NDF:2886589.1/34

Out: 837.643+/-0.127 χ^2/NDF:3006993.2/38

All: 835.728+/-0.090 χ^2/NDF: 5894040.6/73


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
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110
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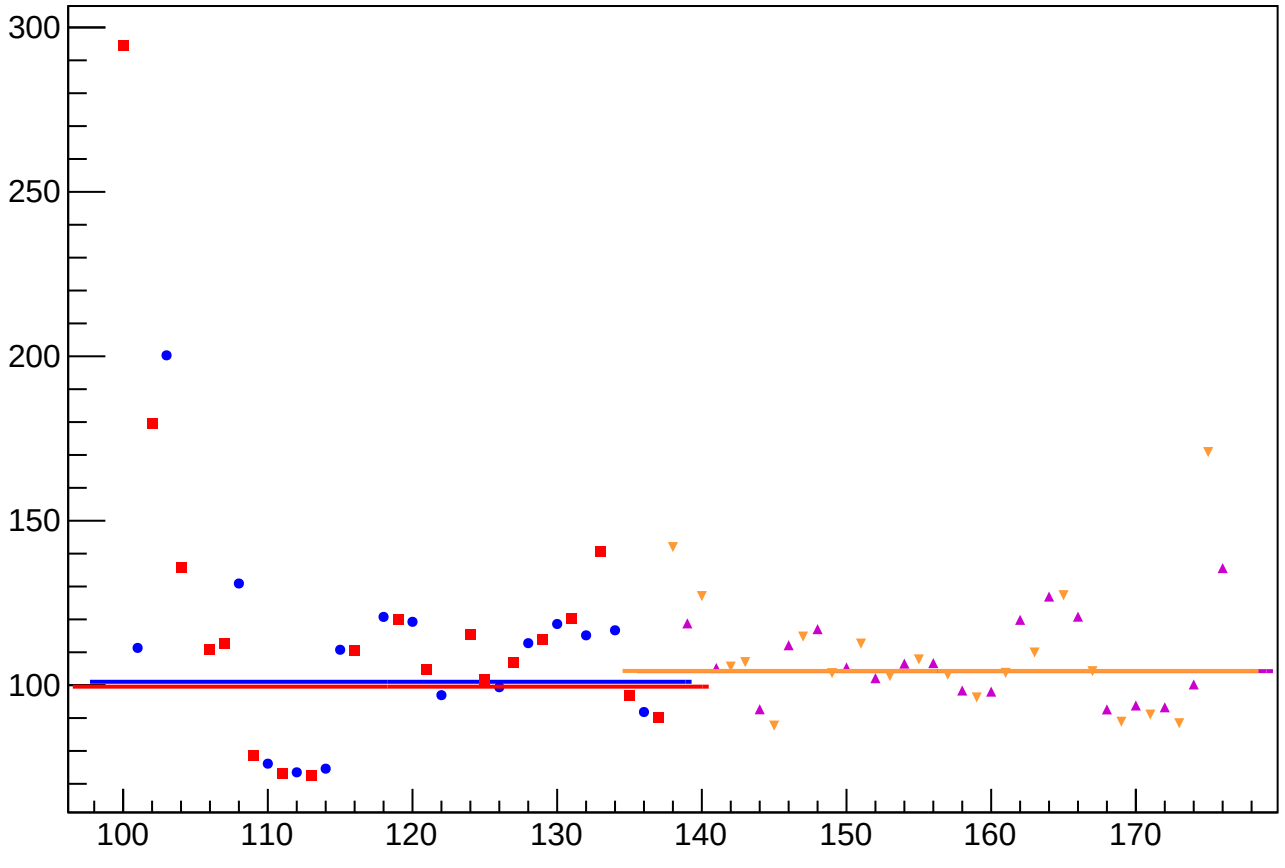
130
140
150
160
170
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 62.604+/-26.787 χ²/NDF:17.6/19
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 75.760+/-27.010 χ²/NDF:31.7/18
Left: 69.127+/-19.020 χ²/NDF: 49.4/38
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 39.330+/-22.203 χ²/NDF:50.2/34
Out: 42.789+/-21.925 χ²/NDF:44.0/38
All: 41.081+/-15.601 χ²/NDF: 94.2/73



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.329+/-0.019 χ^2/NDF:655707.7/19

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308774.2/18

Left: 104.298+/-0.013 χ^2/NDF: 964487.5/38

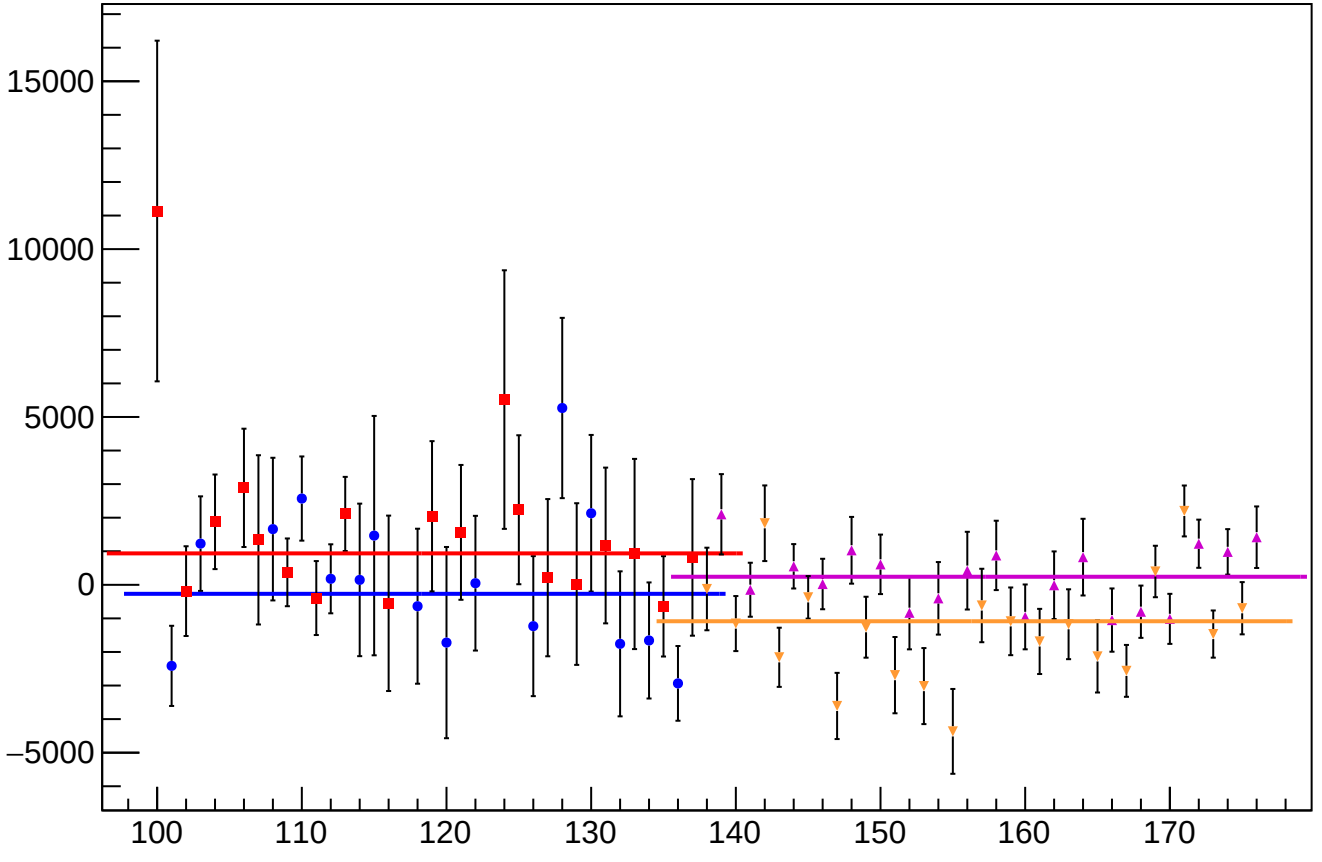
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.217+/-0.016 χ^2/NDF:1034170.2/34

Out: 102.751+/-0.016 χ^2/NDF:1557243.9/38

All: 102.981+/-0.011 χ^2/NDF: 2591860.4/73

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1084.778+/-201.615 χ^2/NDF:56.6/19

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 240.335+/-201.279 χ^2/NDF:18.6/18

Left: -421.117+/-142.444 χ^2/NDF: 96.8/38

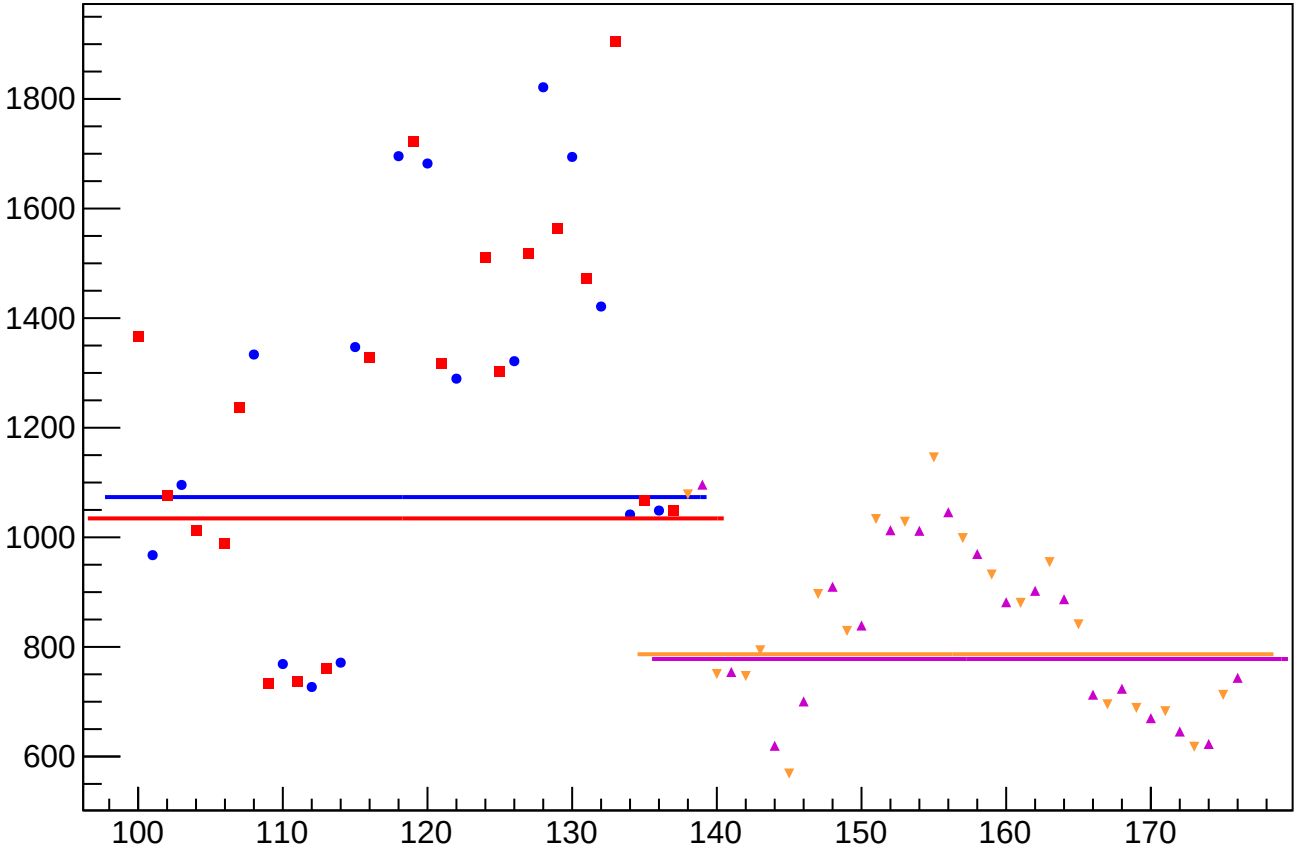
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 144.325+/-181.273 χ^2/NDF:43.2/34

Out: -669.035+/-179.691 χ^2/NDF:90.4/38

All: -265.919+/-127.616 χ^2/NDF: 143.8/73

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: 786.665+/-0.143 χ^2/NDF:1155958.0/19

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 777.953+/-0.142 χ^2/NDF:995175.9/18

Left: 782.301+/-0.101 χ^2/NDF: 2153004.1/38

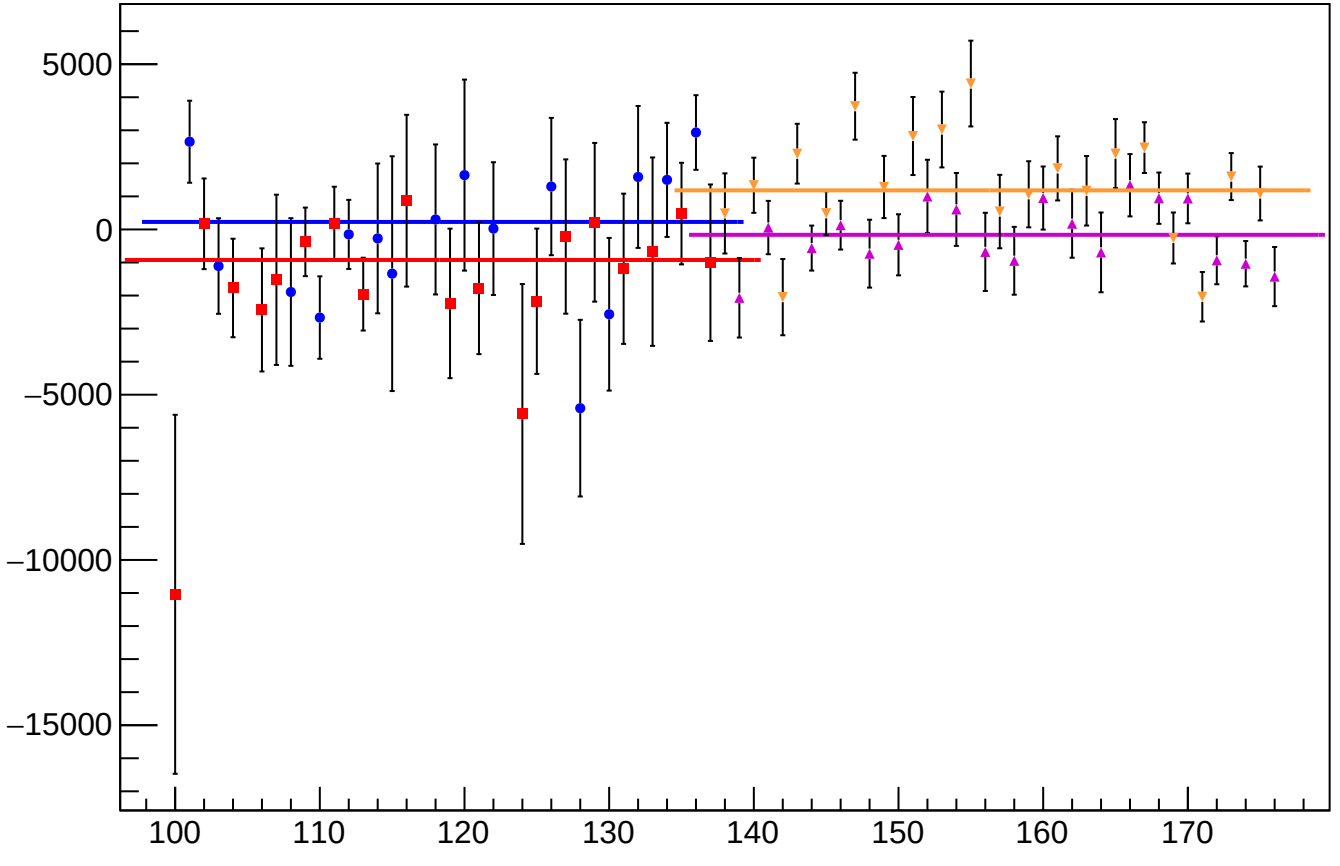
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 833.777+/-0.128 χ^2/NDF:2886595.6/34

Out: 837.641+/-0.127 χ^2/NDF:3006998.8/38

All: 835.726+/-0.090 χ^2/NDF: 5894052.8/73

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1182.936+/-204.675 χ^2/NDF:55.0/19

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -162.386+/-203.280 χ^2/NDF:19.0/18

Left: 505.674+/-144.231 χ^2/NDF: 95.7/38

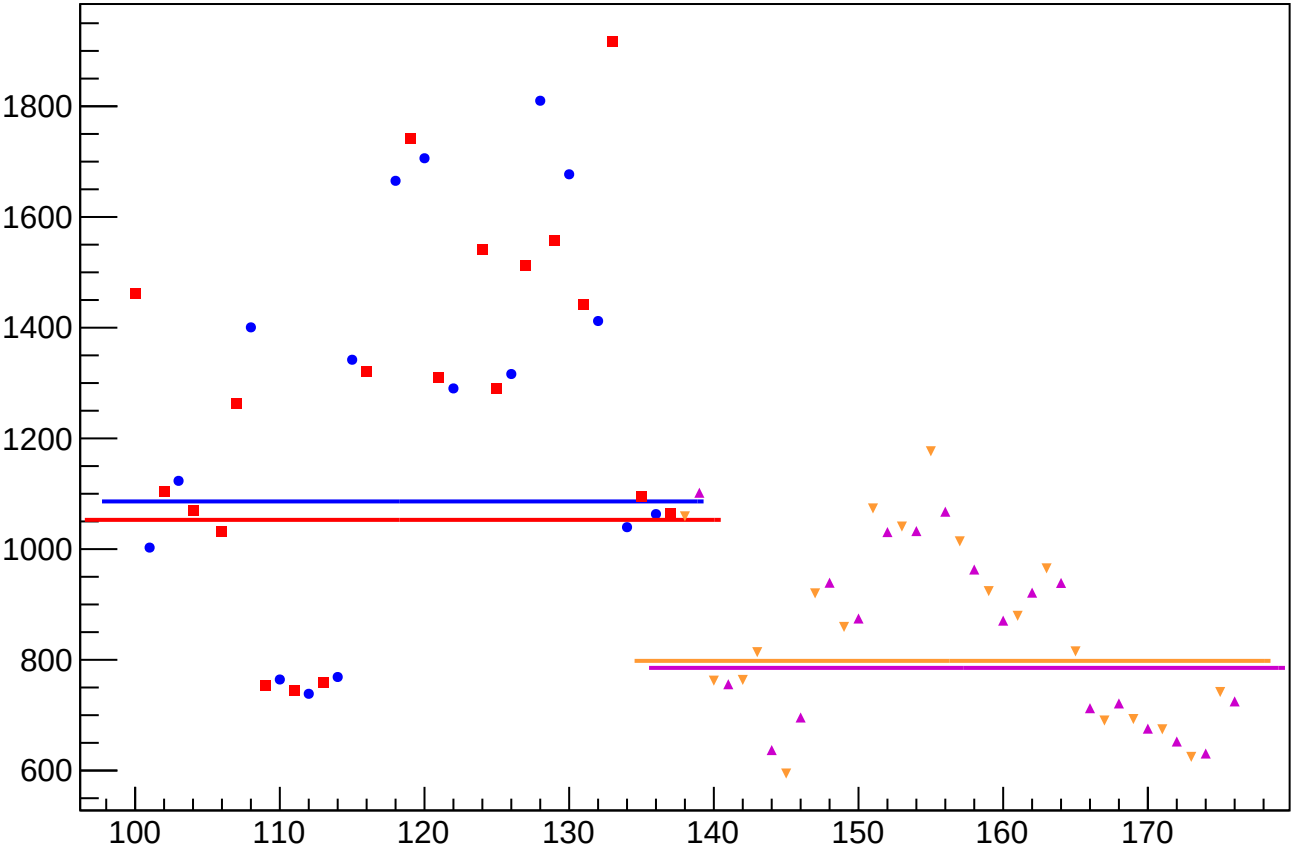
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -88.909+/-183.126 χ^2/NDF:44.1/34

Out: 751.154+/-182.498 χ^2/NDF:87.8/38

All: 332.567+/-129.267 χ^2/NDF: 142.5/73

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.120+/-0.145 χ^2/NDF:1124299.5/19

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 785.435+/-0.144 χ^2/NDF:1031081.1/18

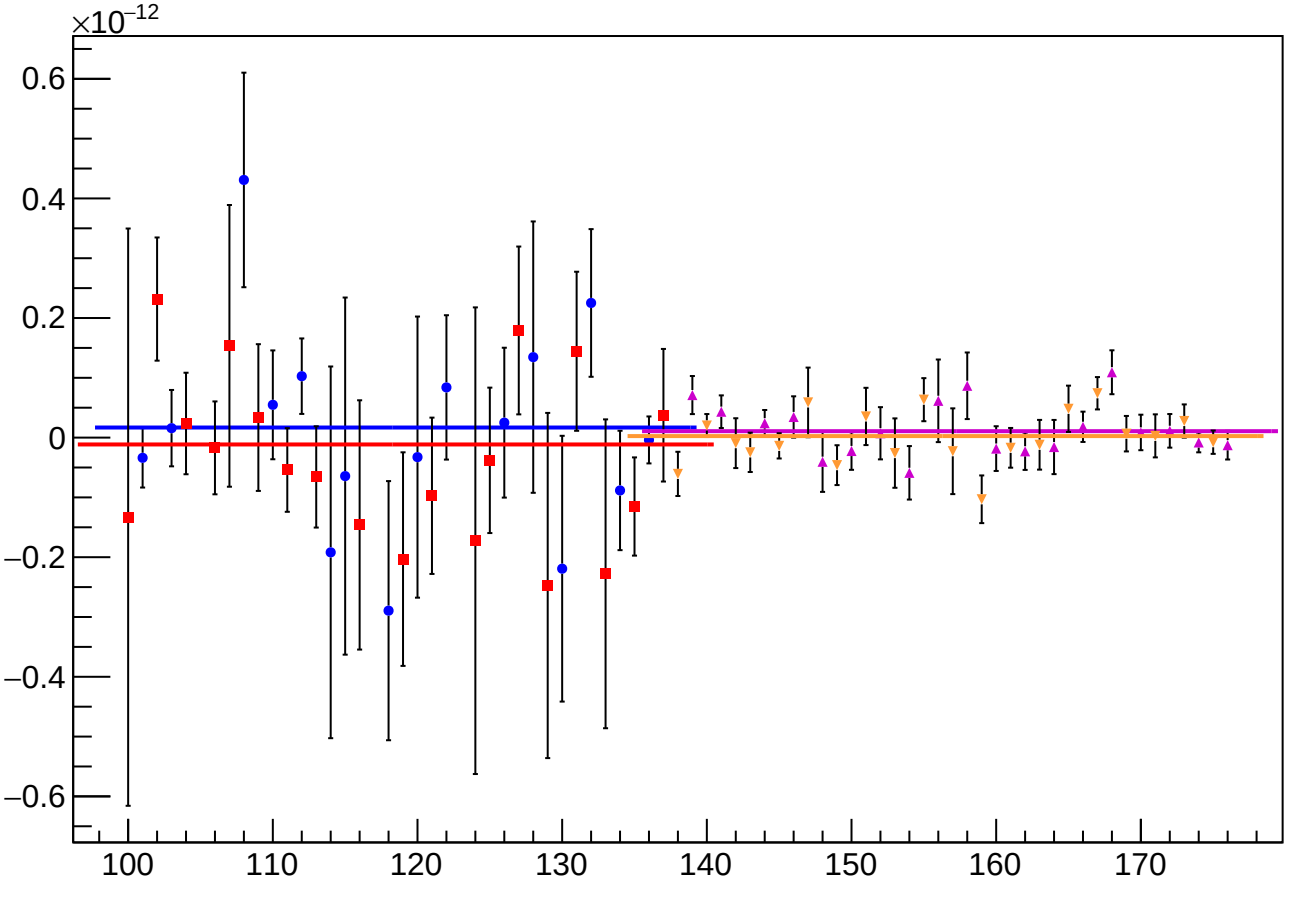
Left: 791.734+/-0.102 χ^2/NDF: 2159248.2/38

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 842.104+/-0.129 χ^2/NDF:2903315.8/34

Out: 850.328+/-0.129 χ^2/NDF:2953581.0/38

All: 846.230+/-0.091 χ^2/NDF: 5858920.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

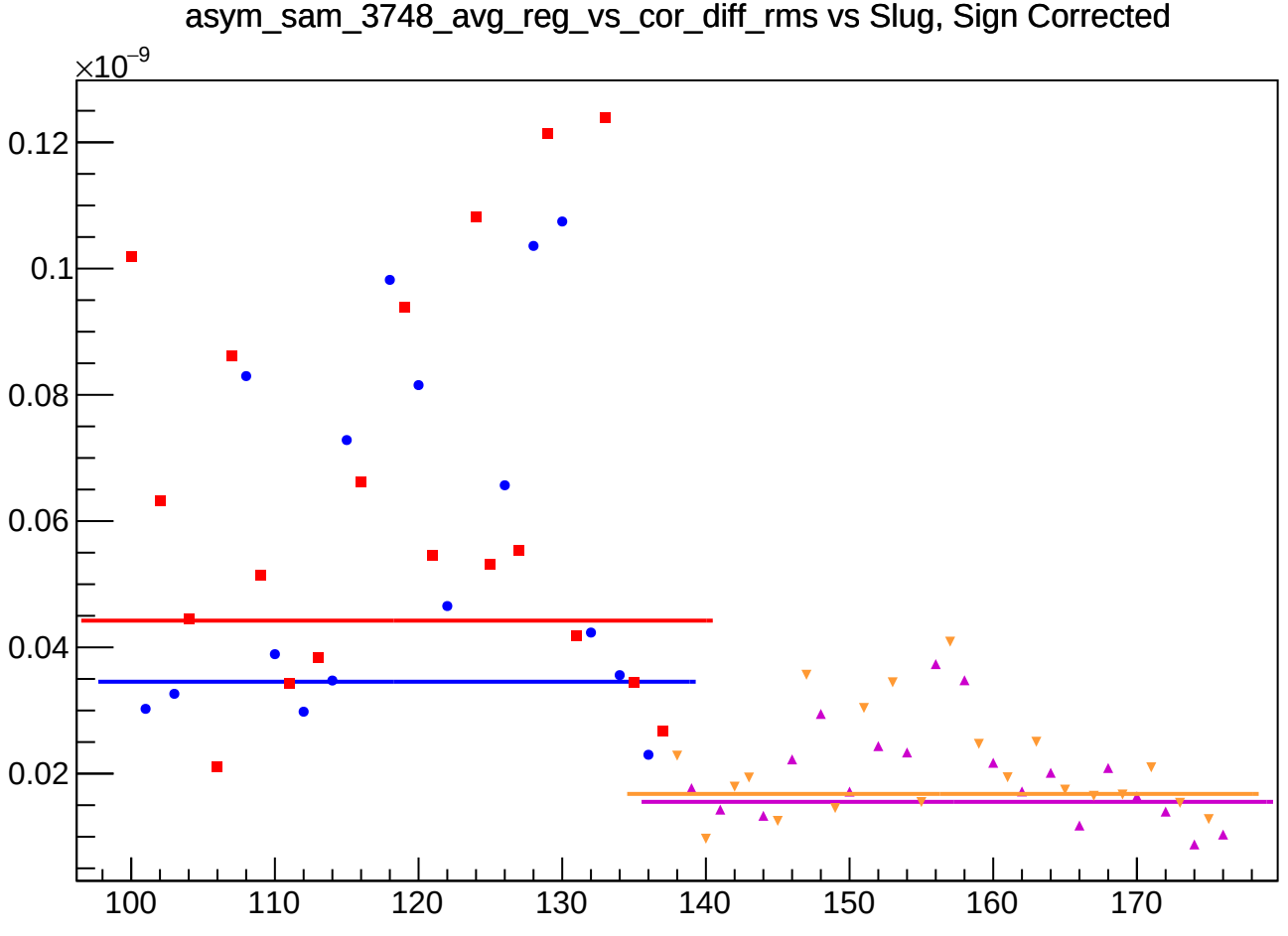
Left: 0.000+/-0.000 χ^2/NDF: 54.1/38

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:41.5/34

Out: 0.000+/-0.000 χ^2/NDF:45.0/38

All: 0.000+/-0.000 χ^2/NDF: 87.5/73



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505340.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1450126.5/18

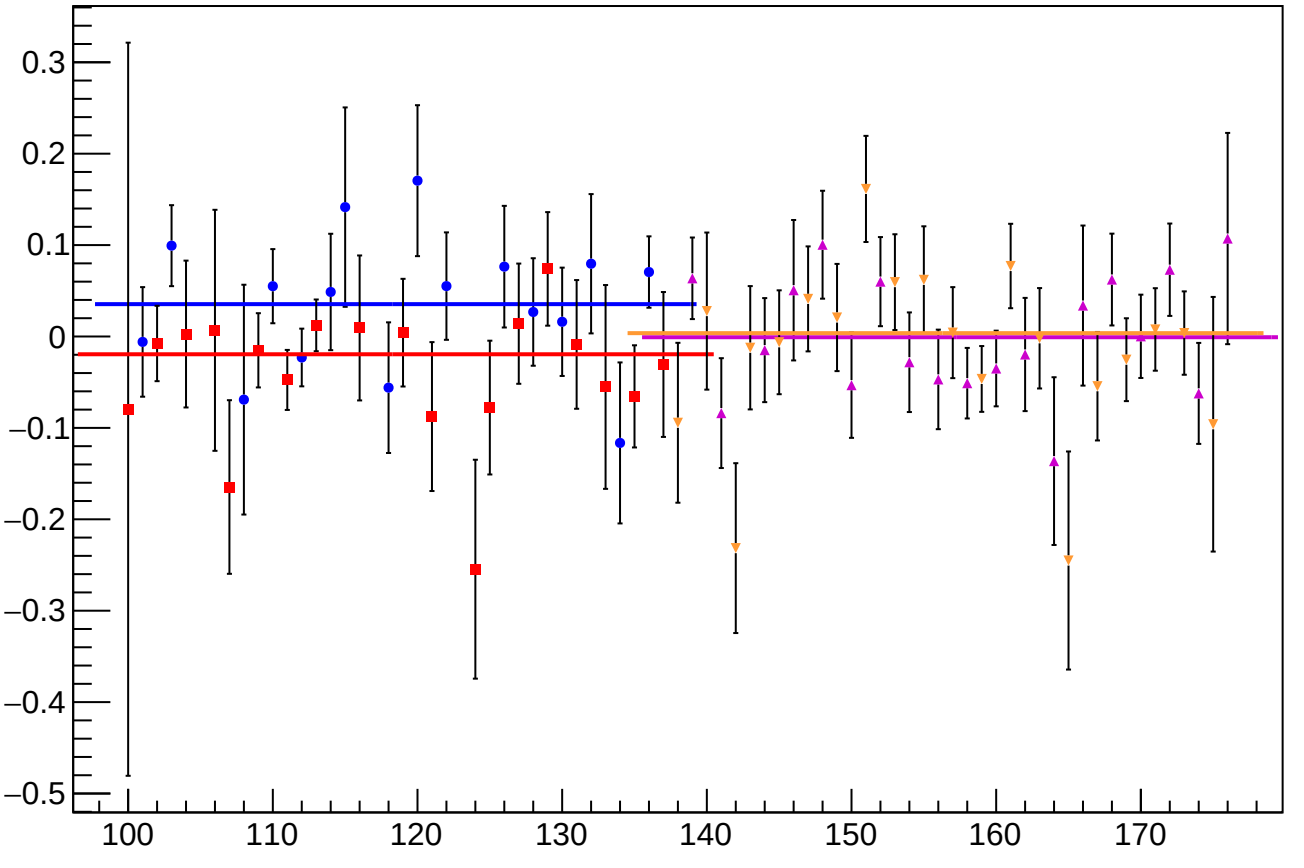
Left: 0.000+/-0.000 χ^2/NDF: 2987611.7/38

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4018404.9/34

Out: 0.000+/-0.000 χ^2/NDF:4527035.4/38

All: 0.000+/-0.000 χ^2/NDF: 8580366.2/73



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.013 χ^2/NDF:21.4/18

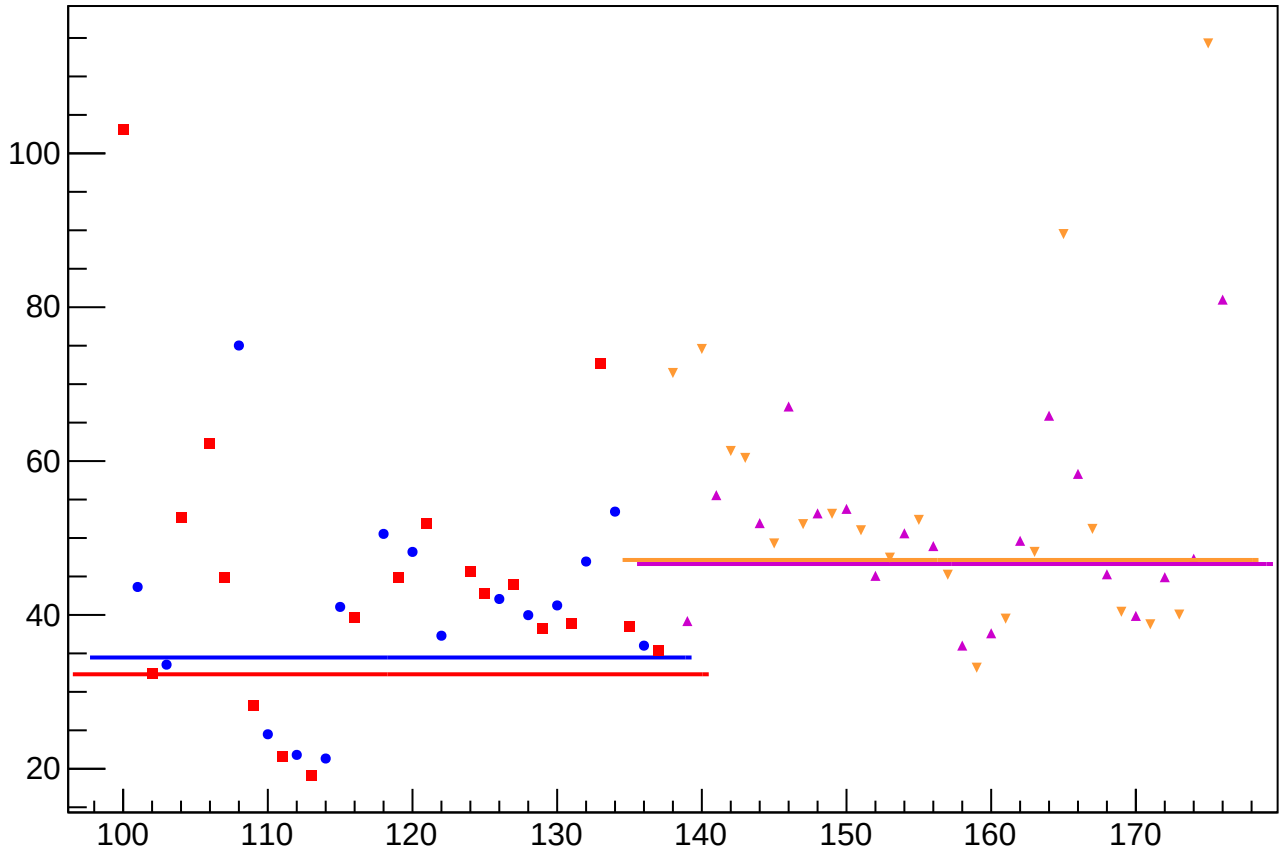
Left: 0.001+/-0.009 χ^2/NDF: 50.1/38

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:42.1/34

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 88.8/73



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

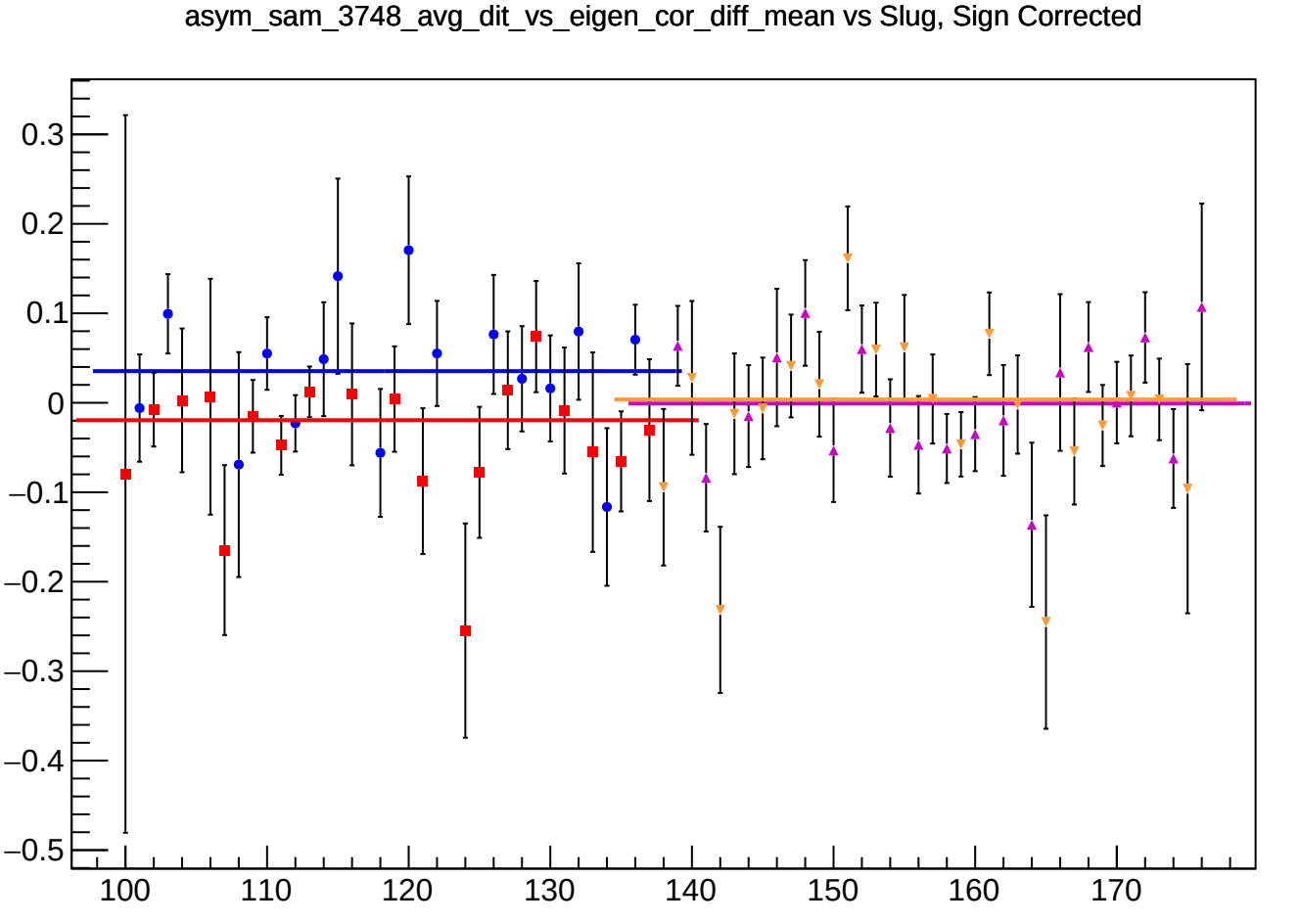
Left: 46.881+/-0.006 χ^2/NDF: 2724535.6/38

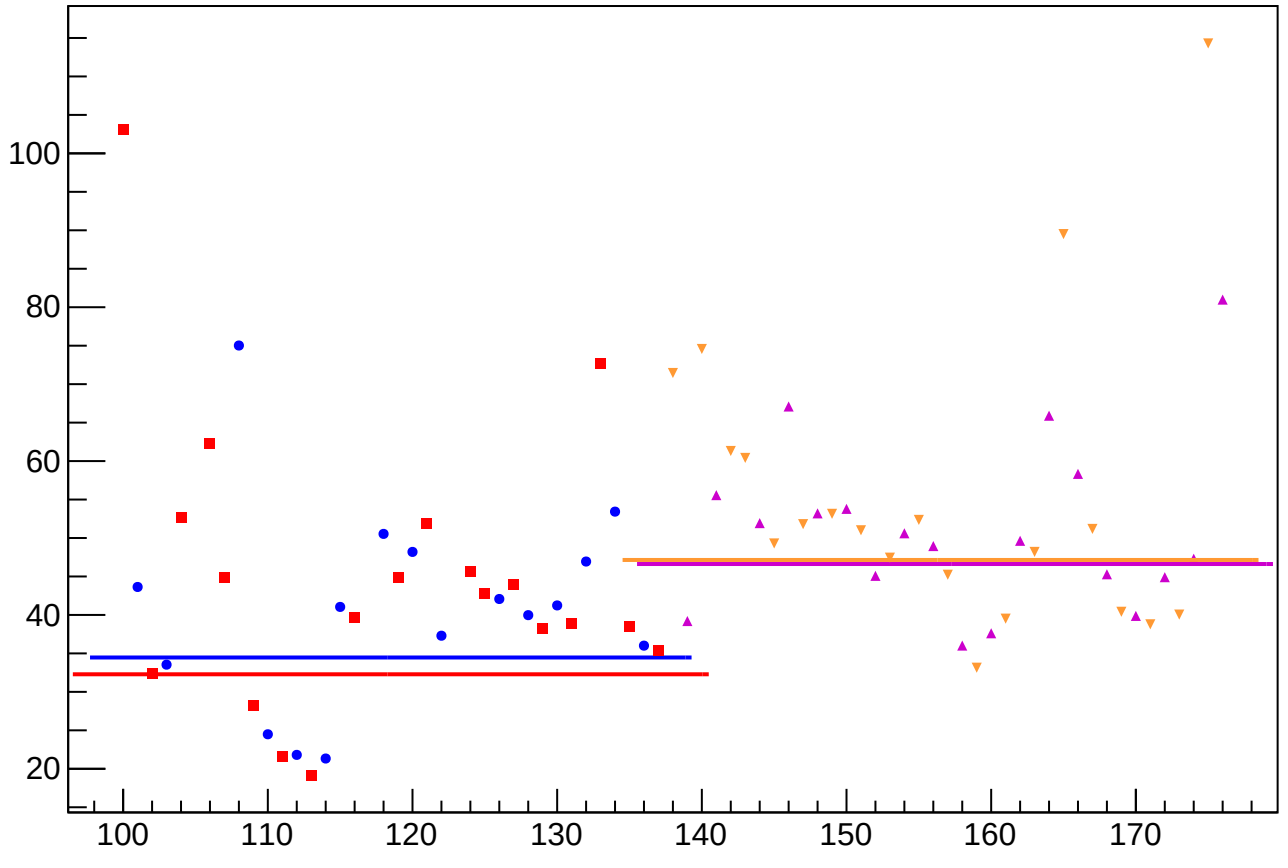
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.171+/-0.007 χ^2/NDF:2945867.2/34

Out: 40.017+/-0.006 χ^2/NDF:4799518.9/38

All: 40.581+/-0.005 χ^2/NDF: 7761139.1/73


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: 0.004+/-0.013 χ²/NDF:28.6/19
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.001+/-0.013 χ²/NDF:21.4/18
Left: 0.001+/-0.009 χ²/NDF: 50.1/38
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.015+/-0.009 χ²/NDF:42.1/34
Out: -0.007+/-0.009 χ²/NDF:43.6/38
All: 0.004+/-0.007 χ²/NDF: 88.8/73



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.146+/-0.009 χ^2/NDF:1792321.8/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

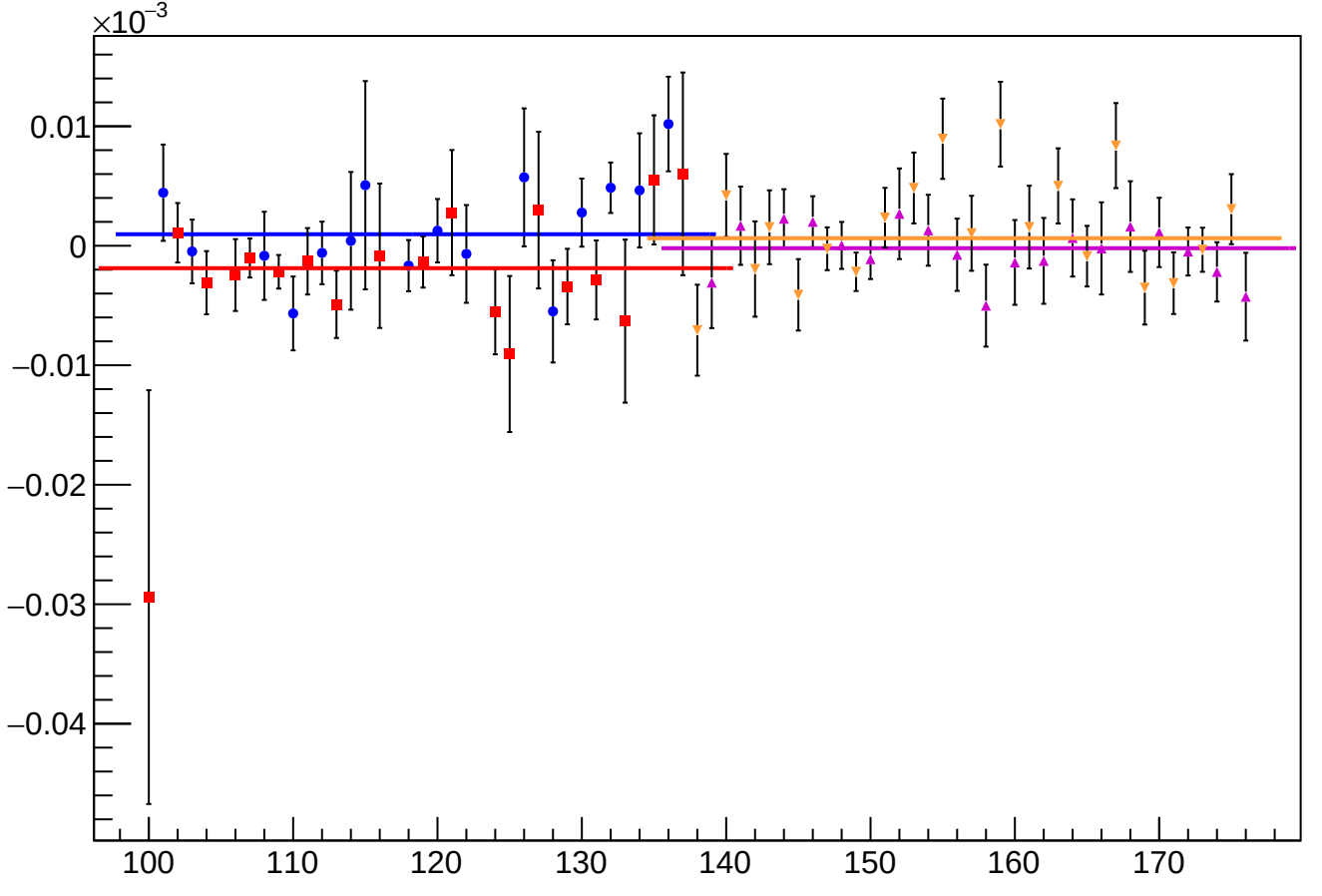
Left: 46.881+/-0.006 χ^2/NDF: 2724535.6/38

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.171+/-0.007 χ^2/NDF:2945867.2/34

Out: 40.017+/-0.006 χ^2/NDF:4799518.9/38

All: 40.581+/-0.005 χ^2/NDF: 7761139.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/18

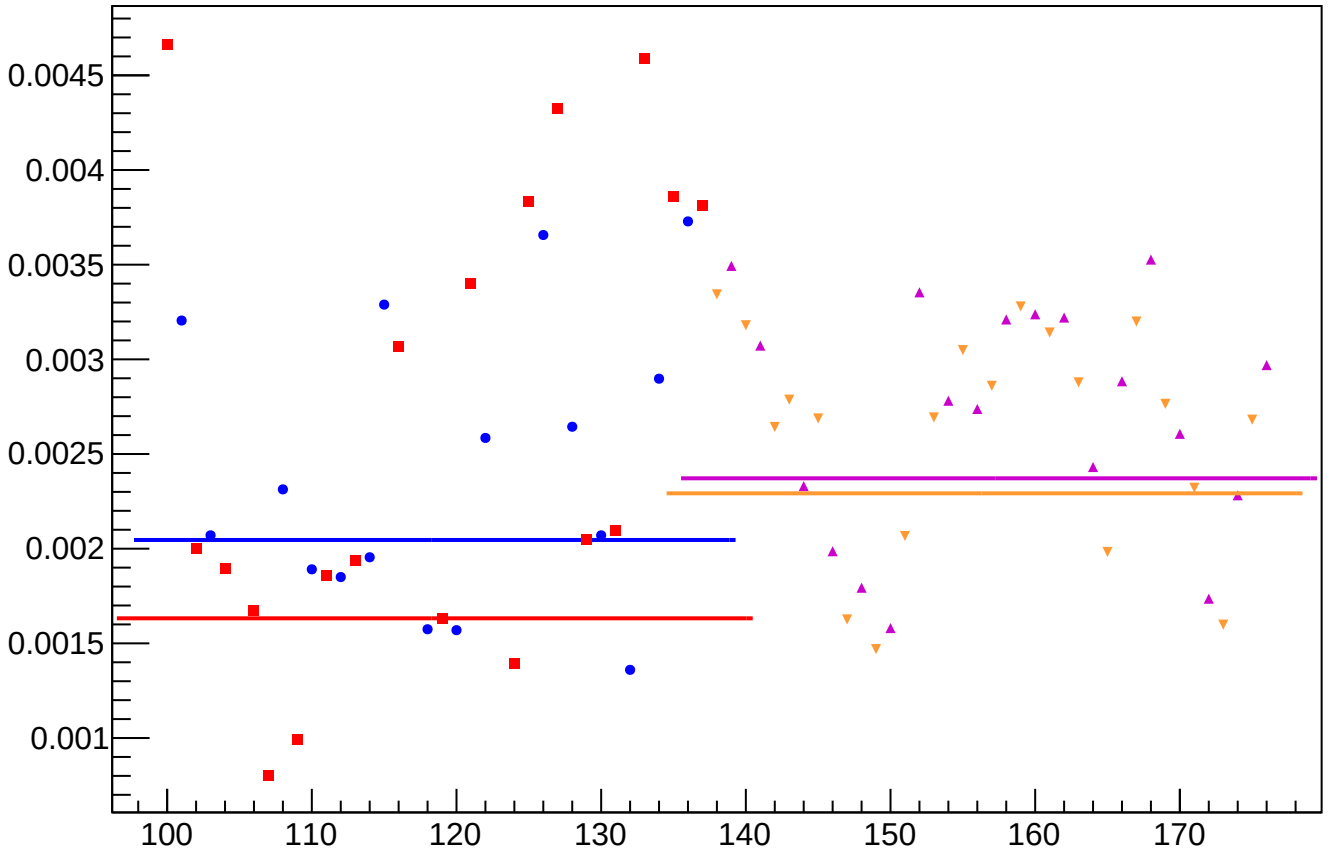
Left: 0.000+/-0.000 χ^2/NDF: 49.0/38

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:60.0/38

All: -0.000+/-0.000 χ^2/NDF: 92.1/73



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2274275.6/19

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1994152.6/18

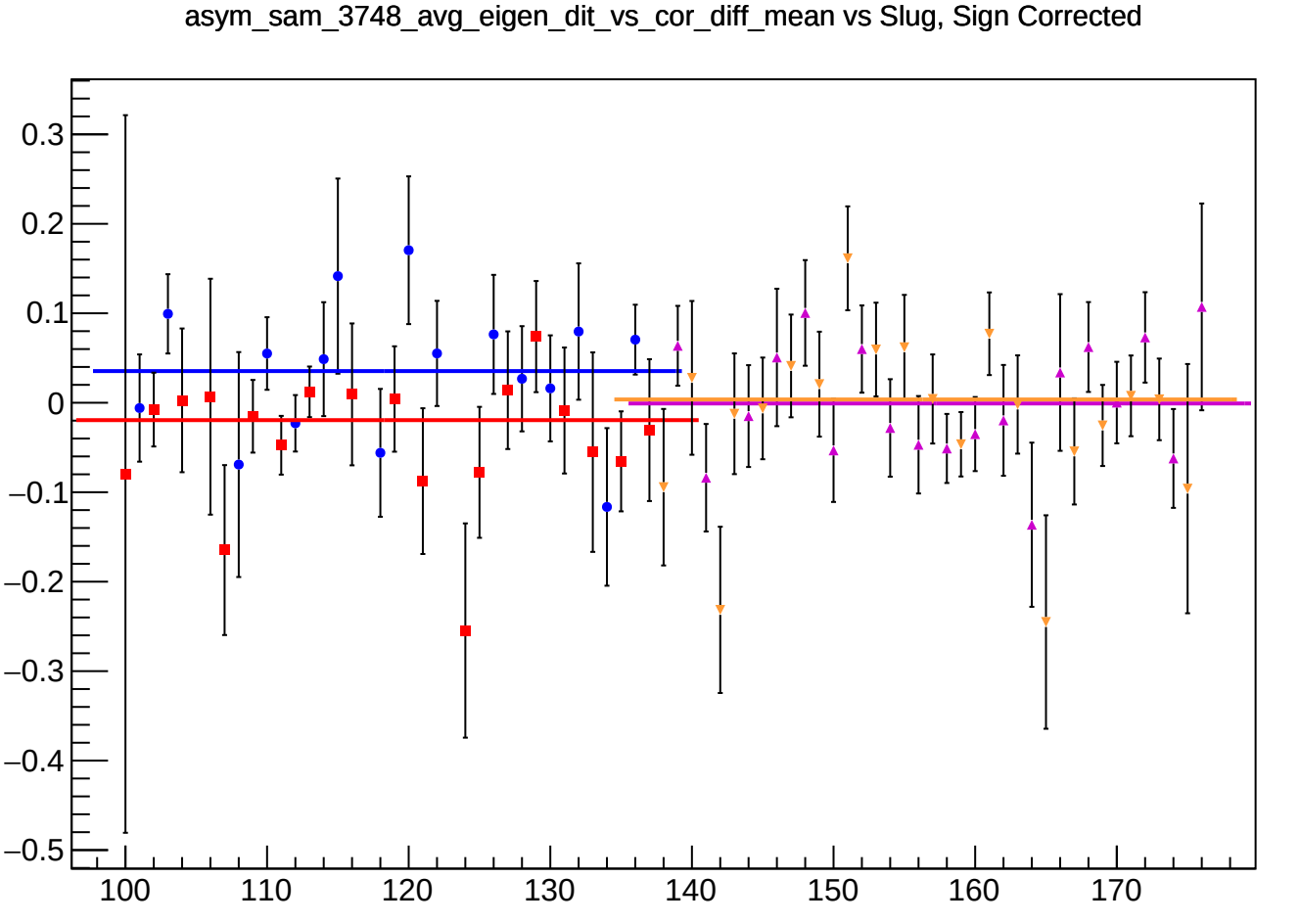
Left: 0.002+/-0.000 χ^2/NDF: 4285036.1/38

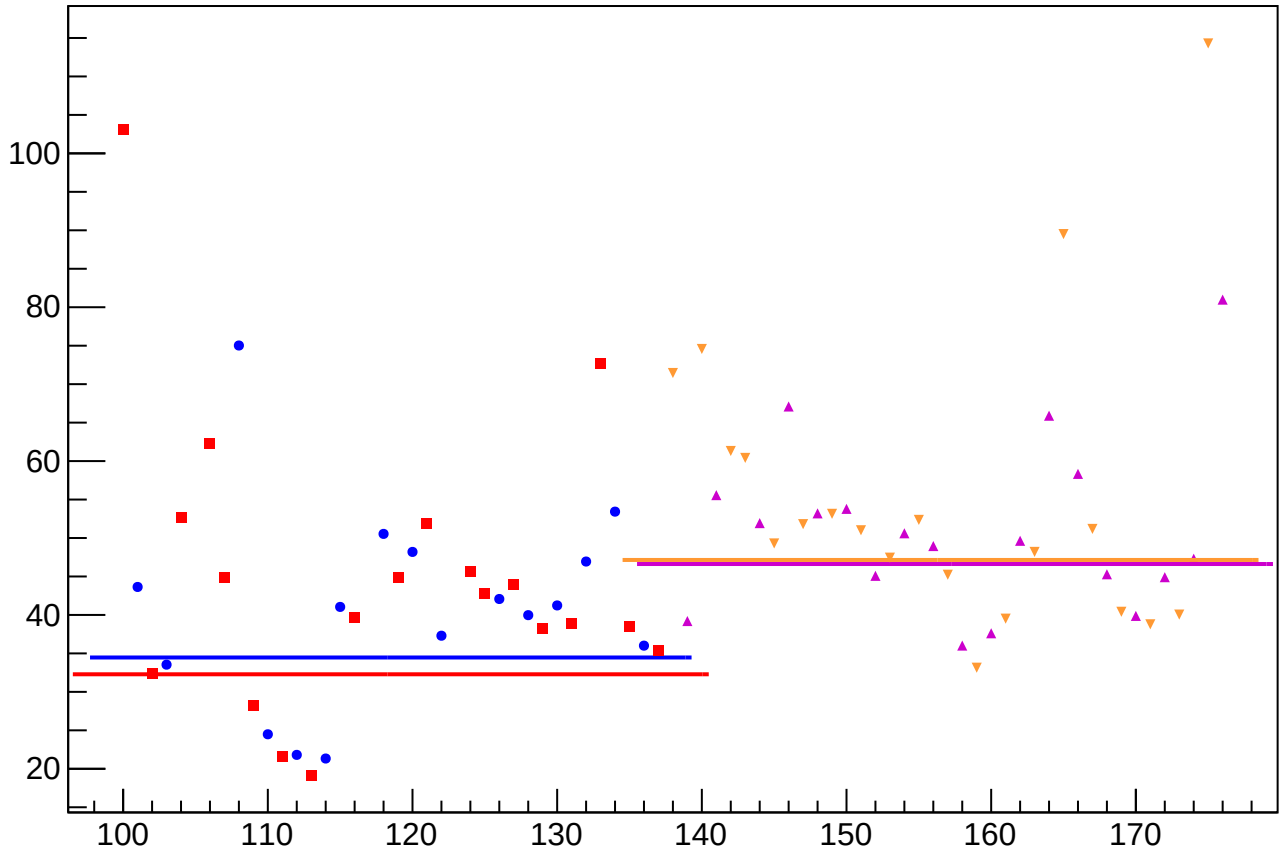
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3456888.5/34

Out: 0.002+/-0.000 χ^2/NDF:6276656.5/38

All: 0.002+/-0.000 χ^2/NDF: 10016559.4/73


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: 0.004+/-0.013 χ²/NDF:28.6/19
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.001+/-0.013 χ²/NDF:21.4/18
Left: 0.001+/-0.009 χ²/NDF: 50.1/38
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.015+/-0.009 χ²/NDF:42.1/34
Out: -0.007+/-0.009 χ²/NDF:43.6/38
All: 0.004+/-0.007 χ²/NDF: 88.8/73



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.147+/-0.009 χ^2/NDF:1792328.2/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

Left: 46.882+/-0.006 χ^2/NDF: 2724558.3/38

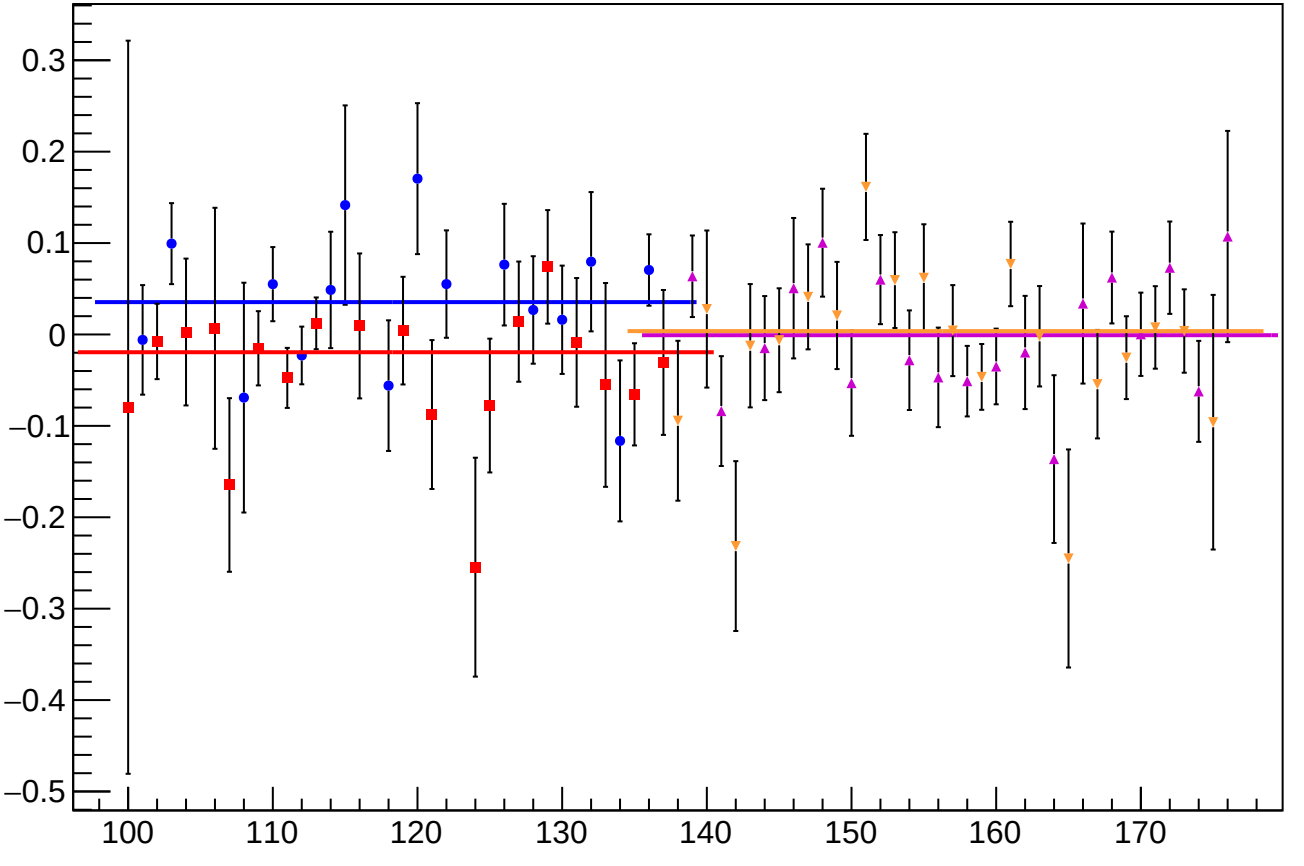
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.172+/-0.007 χ^2/NDF:2945848.3/34

Out: 40.018+/-0.006 χ^2/NDF:4799506.6/38

All: 40.581+/-0.005 χ^2/NDF: 7761106.6/73

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: 0.004+/-0.013 χ^2/NDF:28.6/19

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.013 χ^2/NDF:21.4/18

Left: 0.001+/-0.009 χ^2/NDF: 50.1/38

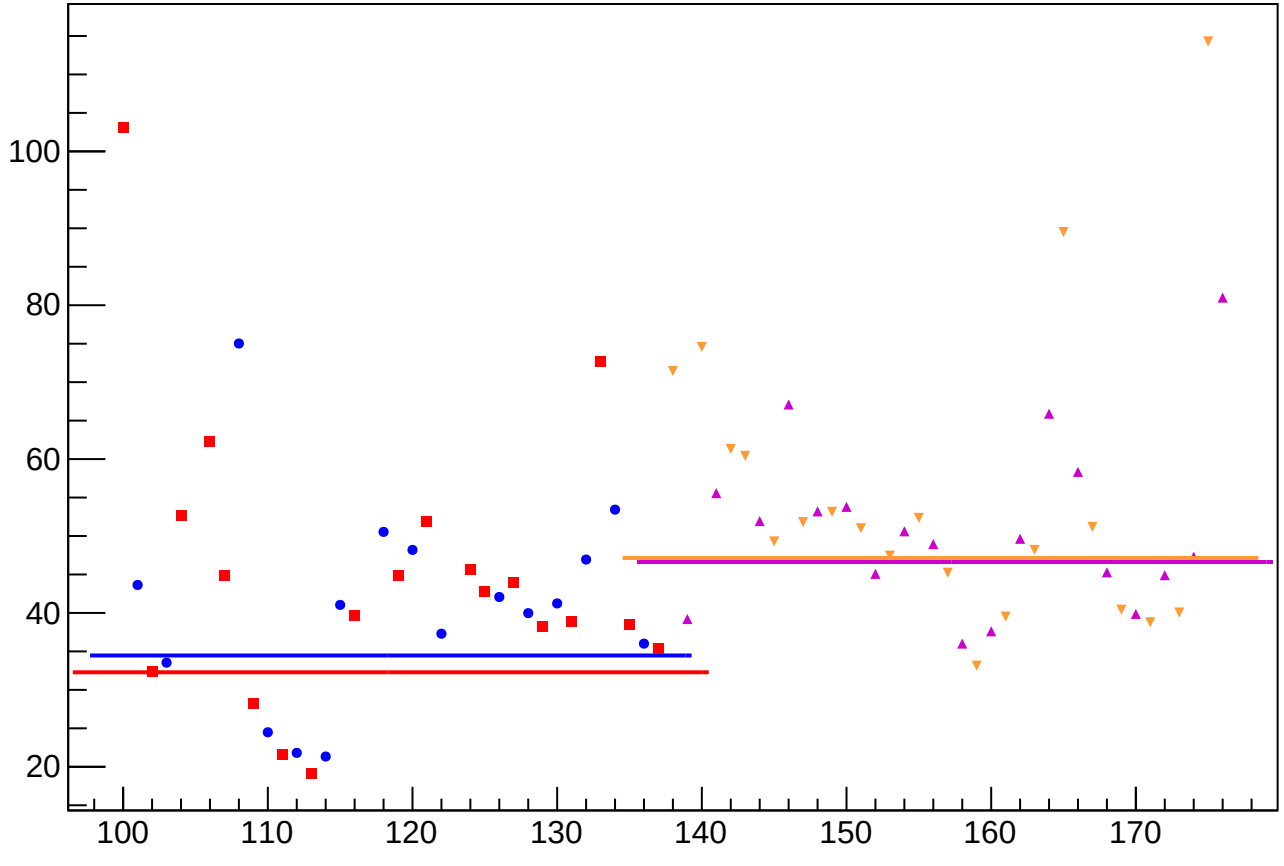
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:42.1/34

Out: -0.007+/-0.009 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 88.8/73

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: 47.147+/-0.009 χ^2/NDF:1792328.2/19

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

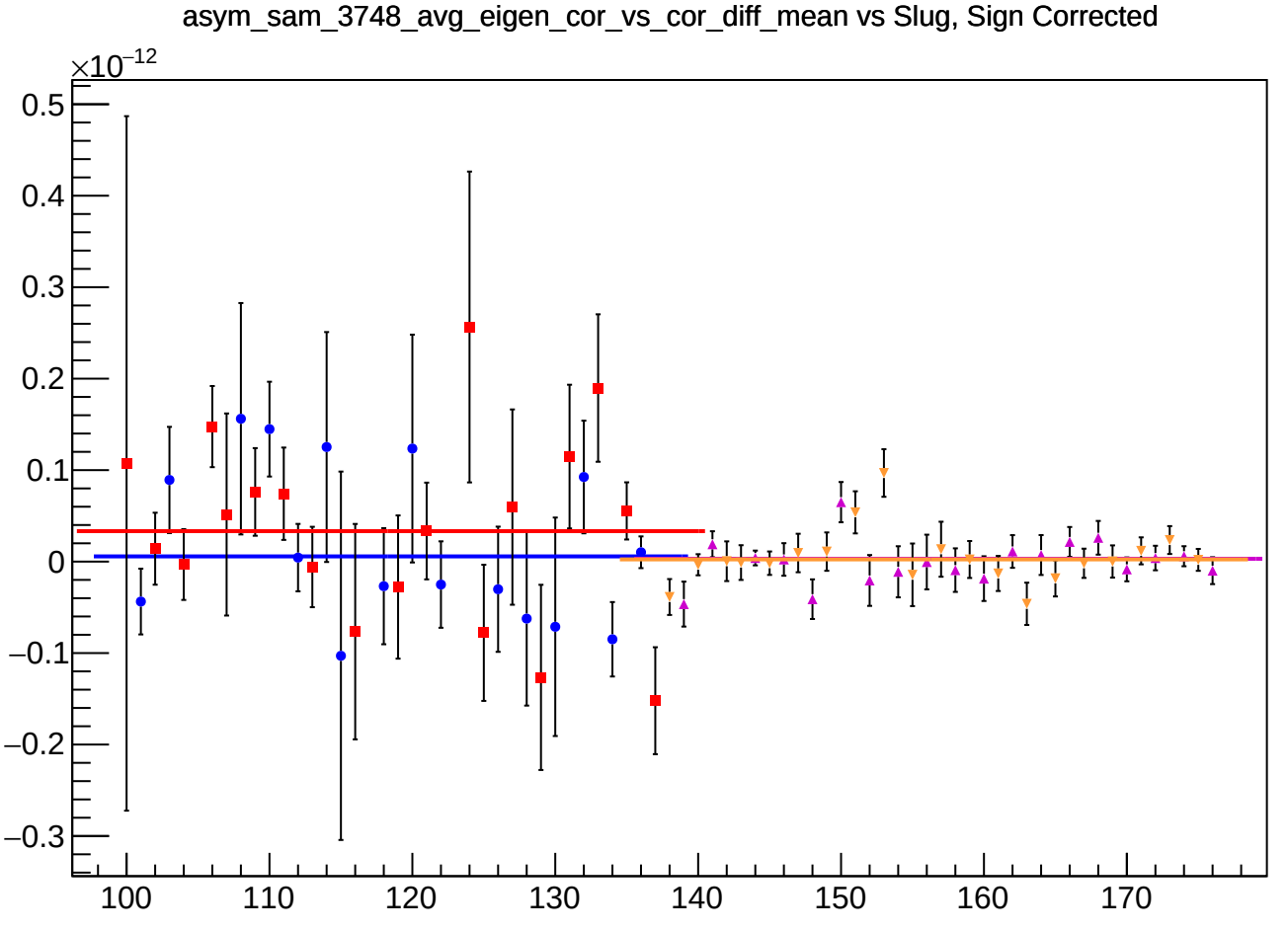
Left: 46.882+/-0.006 χ^2/NDF: 2724558.3/38

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.172+/-0.007 χ^2/NDF:2945848.3/34

Out: 40.018+/-0.006 χ^2/NDF:4799506.6/38

All: 40.581+/-0.005 χ^2/NDF: 7761106.6/73


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
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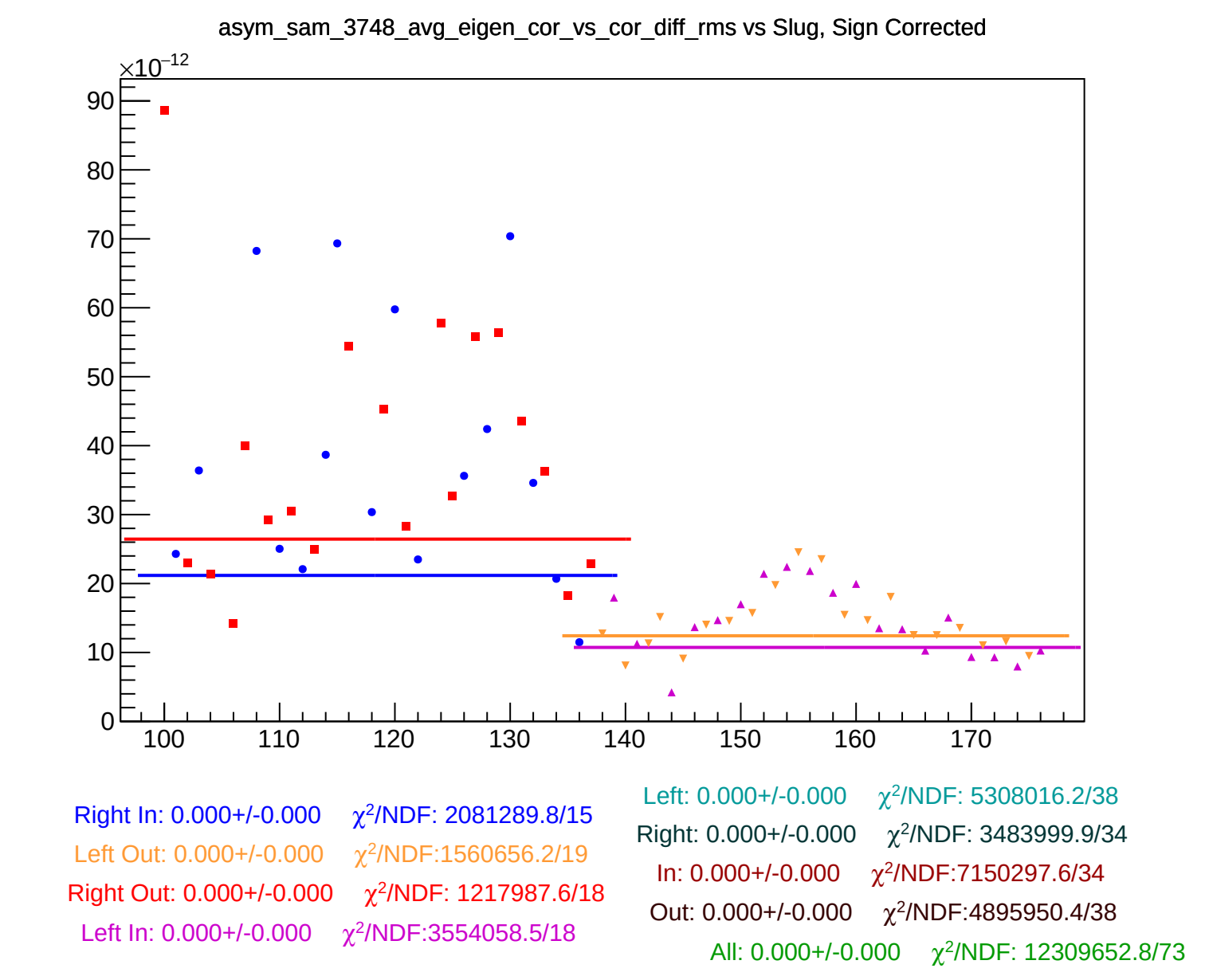
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:32.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:24.2/18
Left: 0.000+/-0.000 χ²/NDF: 56.4/38
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:47.8/34
Out: 0.000+/-0.000 χ²/NDF:70.8/38
All: 0.000+/-0.000 χ²/NDF: 118.7/73


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
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30
20
10
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100
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120
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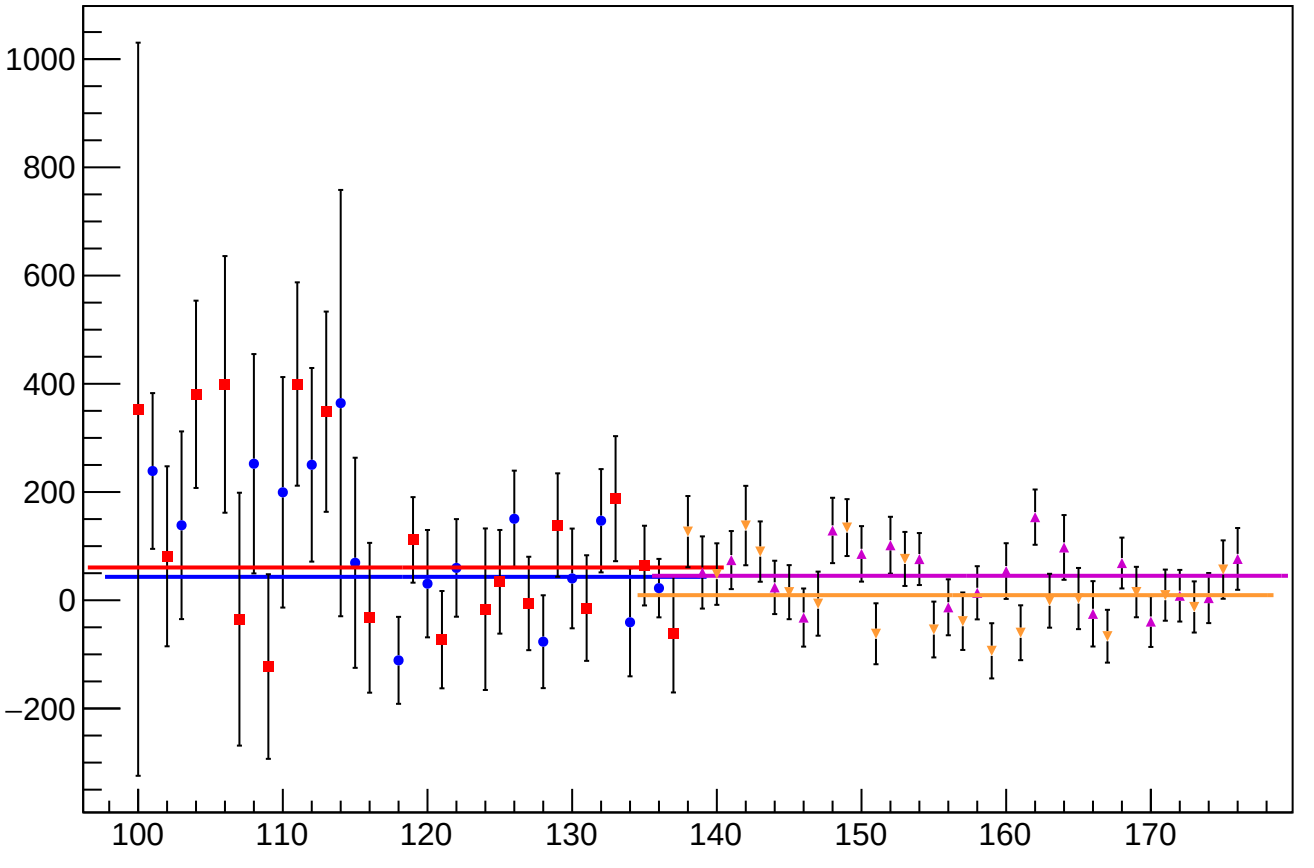
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1560656.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3554058.5/18
Left: 0.000+/-0.000 χ²/NDF: 5308016.2/38
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7150297.6/34
Out: 0.000+/-0.000 χ²/NDF:4895950.4/38
All: 0.000+/-0.000 χ²/NDF: 12309652.8/73



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.406+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 45.209+/-11.949 χ^2/NDF:20.2/18

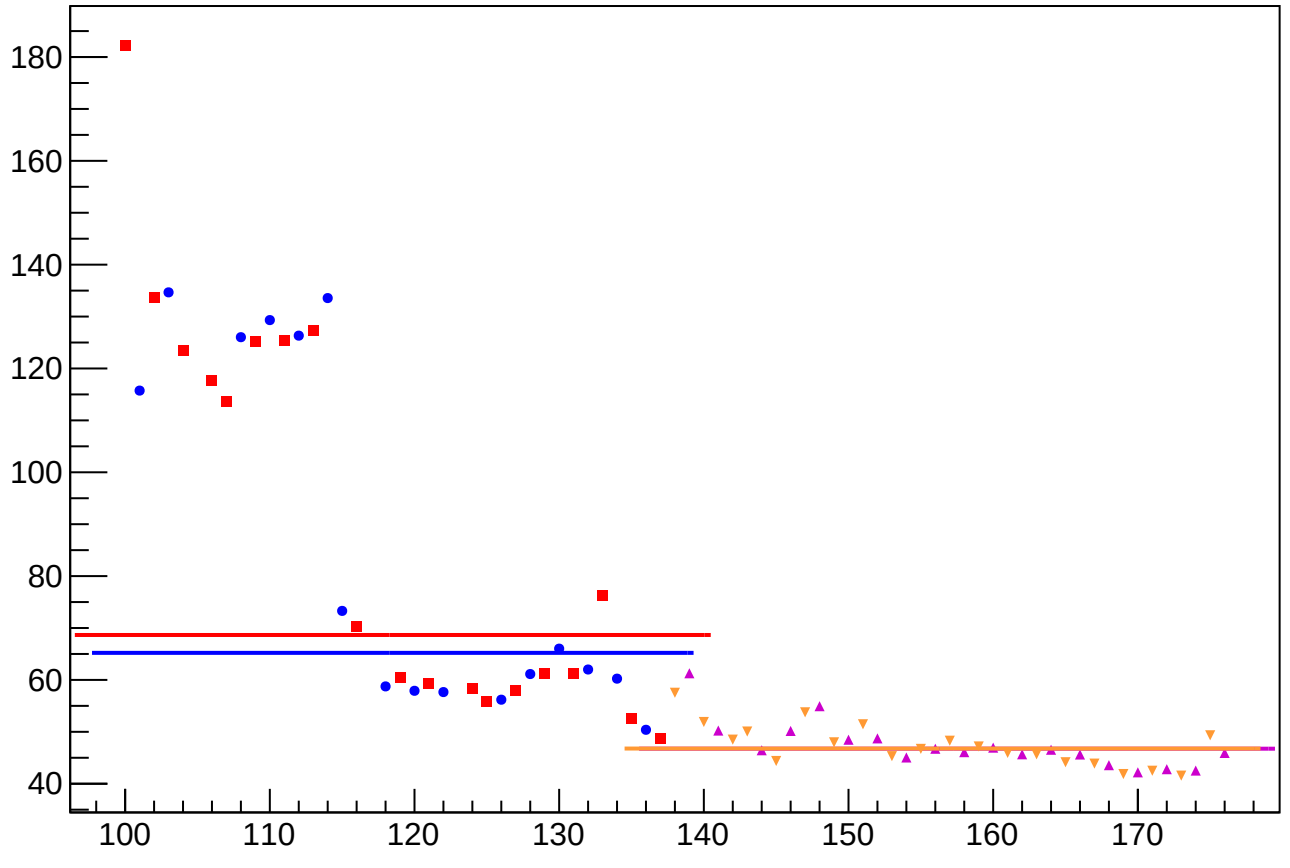
Left: 27.119+/-8.405 χ^2/NDF: 54.4/38

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 44.862+/-10.842 χ^2/NDF:35.1/34

Out: 17.696+/-10.825 χ^2/NDF:53.1/38

All: 31.258+/-7.660 χ^2/NDF: 91.4/73



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

Left: 46.763+/-0.006 χ^2/NDF: 425307.7/38

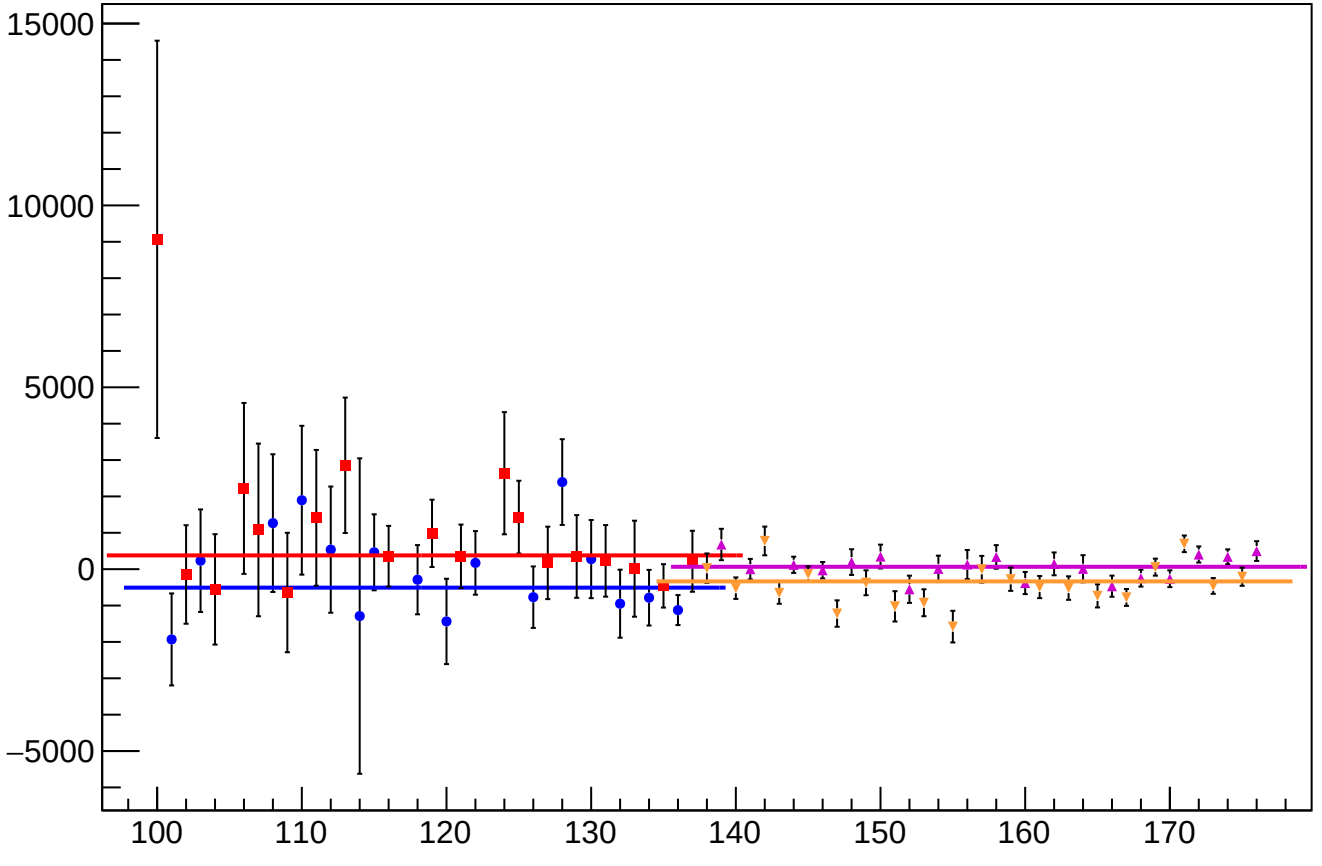
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.014+/-0.008 χ^2/NDF:2507526.4/34

Out: 50.321+/-0.008 χ^2/NDF:2958802.7/38

All: 50.168+/-0.005 χ^2/NDF: 5467133.7/73

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: -335.710+/-65.560 χ^2/NDF:60.9/19

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 65.757+/-64.466 χ^2/NDF:22.8/18

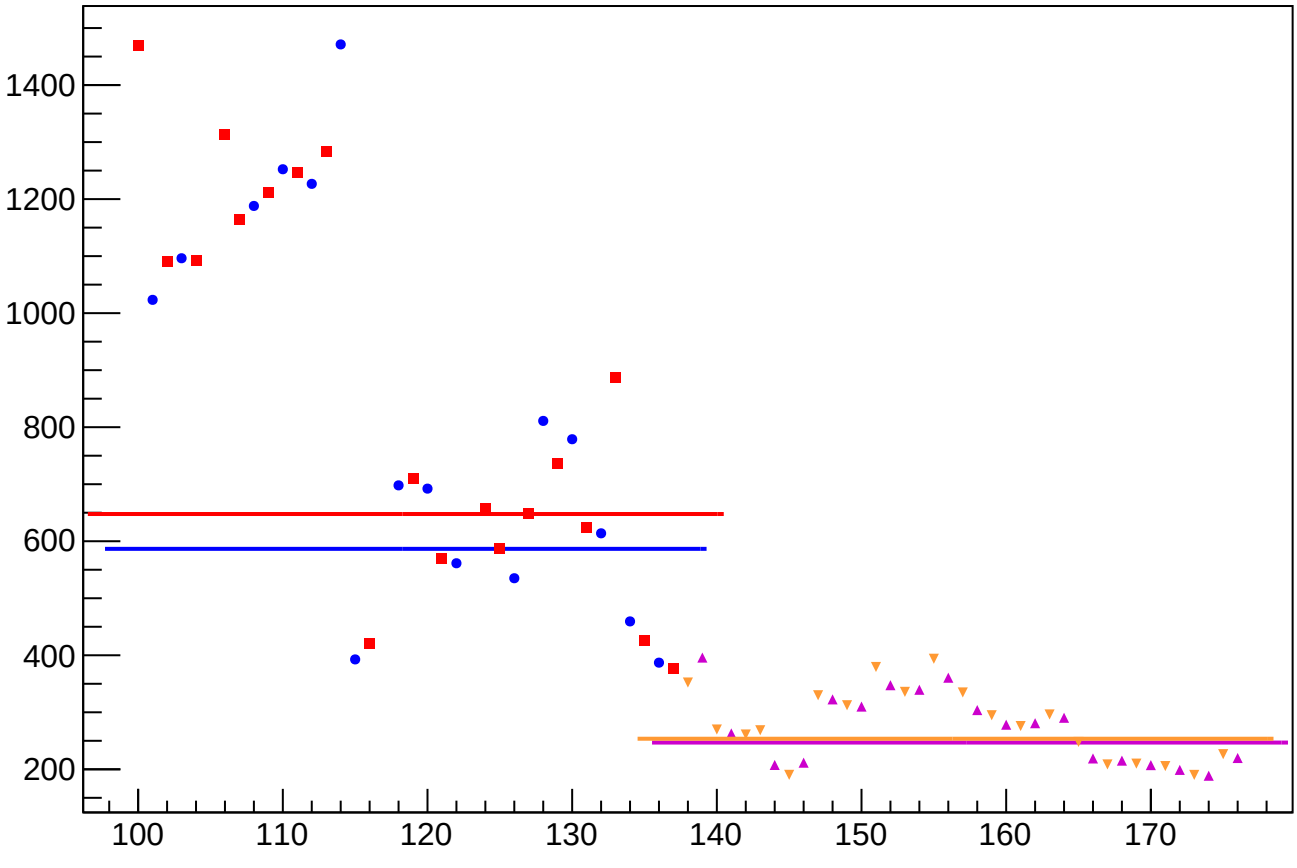
Left: -131.599+/-45.966 χ^2/NDF: 102.8/38

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -291.859+/-63.517 χ^2/NDF:79.9/38

All: -129.502+/-44.442 χ^2/NDF: 136.6/73



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549046.3/19

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 246.909+/-0.046 χ^2/NDF:1480886.9/18

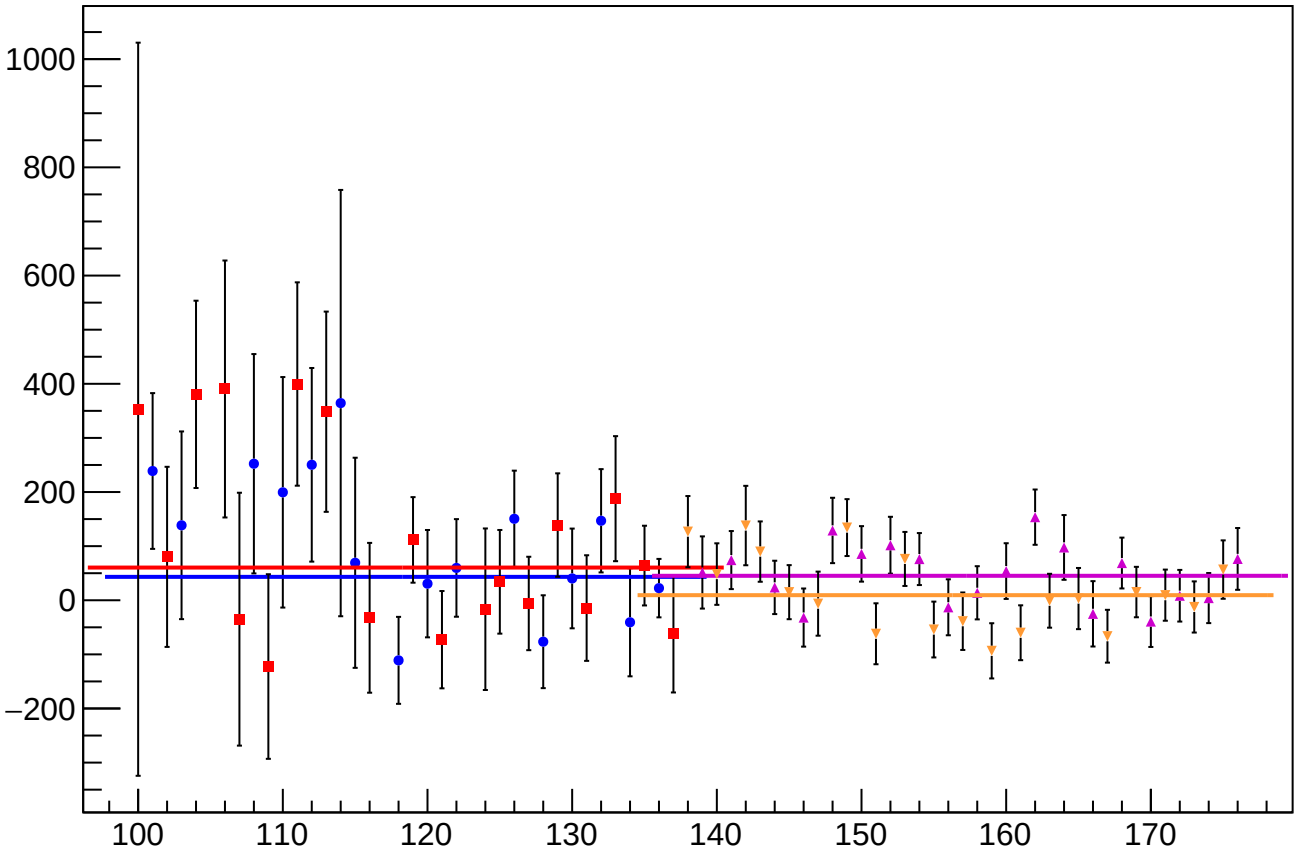
Left: 250.218+/-0.033 χ^2/NDF: 3040647.6/38

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 270.325+/-0.044 χ^2/NDF:7362309.6/34

Out: 277.823+/-0.045 χ^2/NDF:8089473.1/38

All: 273.995+/-0.031 χ^2/NDF: 15466008.7/73



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.208+/-11.949 χ^2/NDF:20.2/18

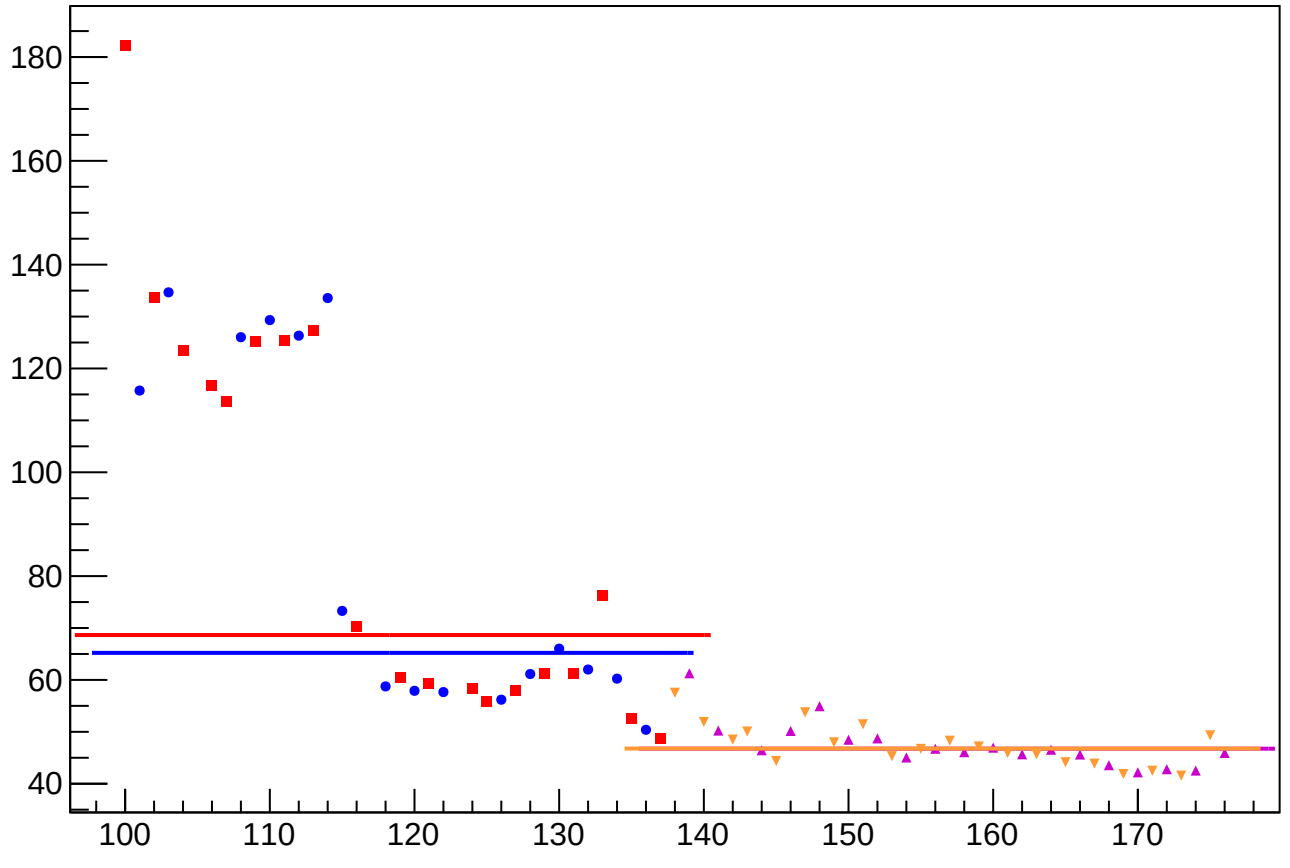
Left: 27.120+/-8.405 χ^2/NDF: 54.4/38

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.860+/-10.842 χ^2/NDF:35.1/34

Out: 17.672+/-10.825 χ^2/NDF:53.0/38

All: 31.245+/-7.660 χ^2/NDF: 91.3/73



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

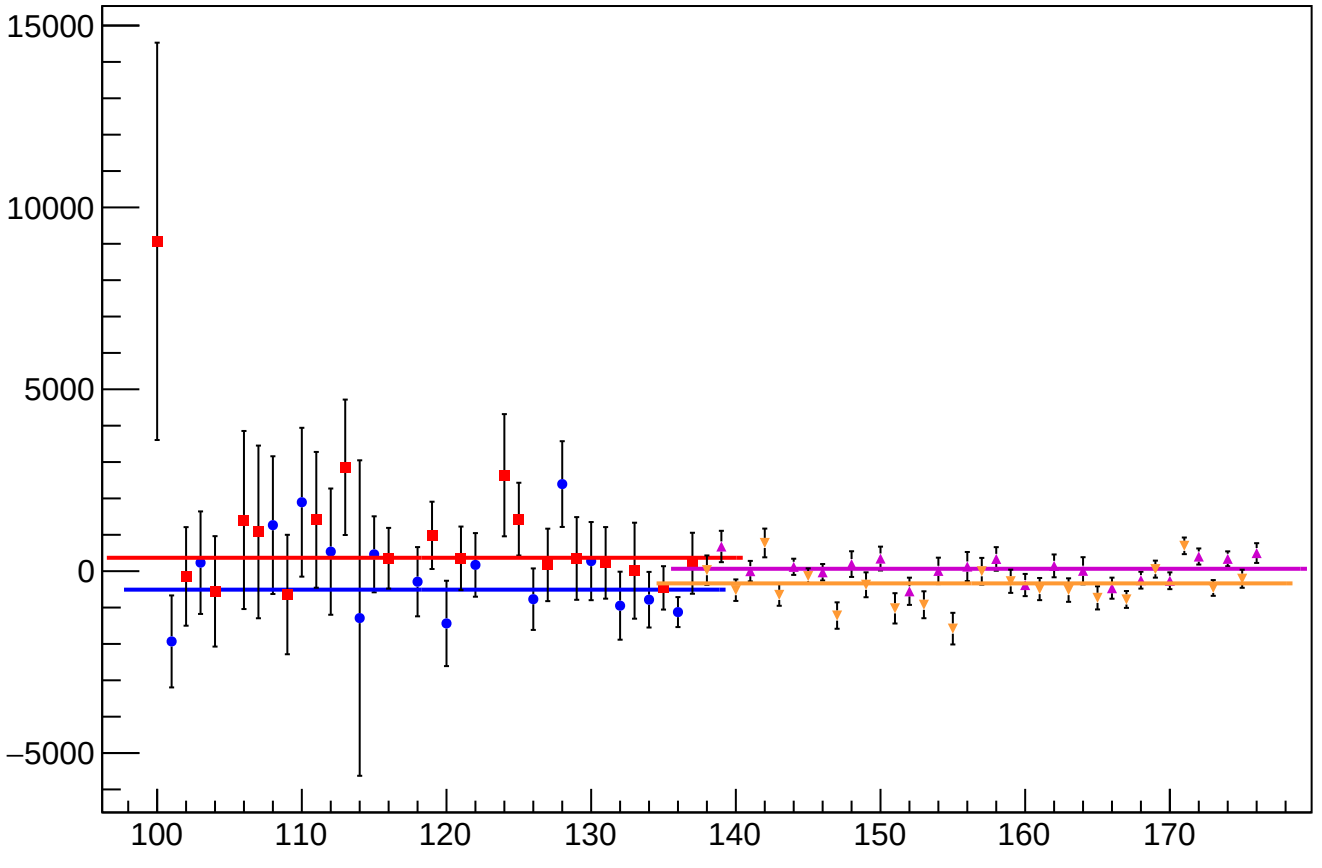
Left: 46.763+/-0.006 χ^2/NDF: 425307.7/38

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.014+/-0.008 χ^2/NDF:2507528.5/34

Out: 50.319+/-0.008 χ^2/NDF:2953945.2/38

All: 50.167+/-0.005 χ^2/NDF: 5462265.1/73



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.755+/-64.466 χ^2/NDF:22.8/18

Left: -131.599+/-45.966 χ^2/NDF: 102.8/38

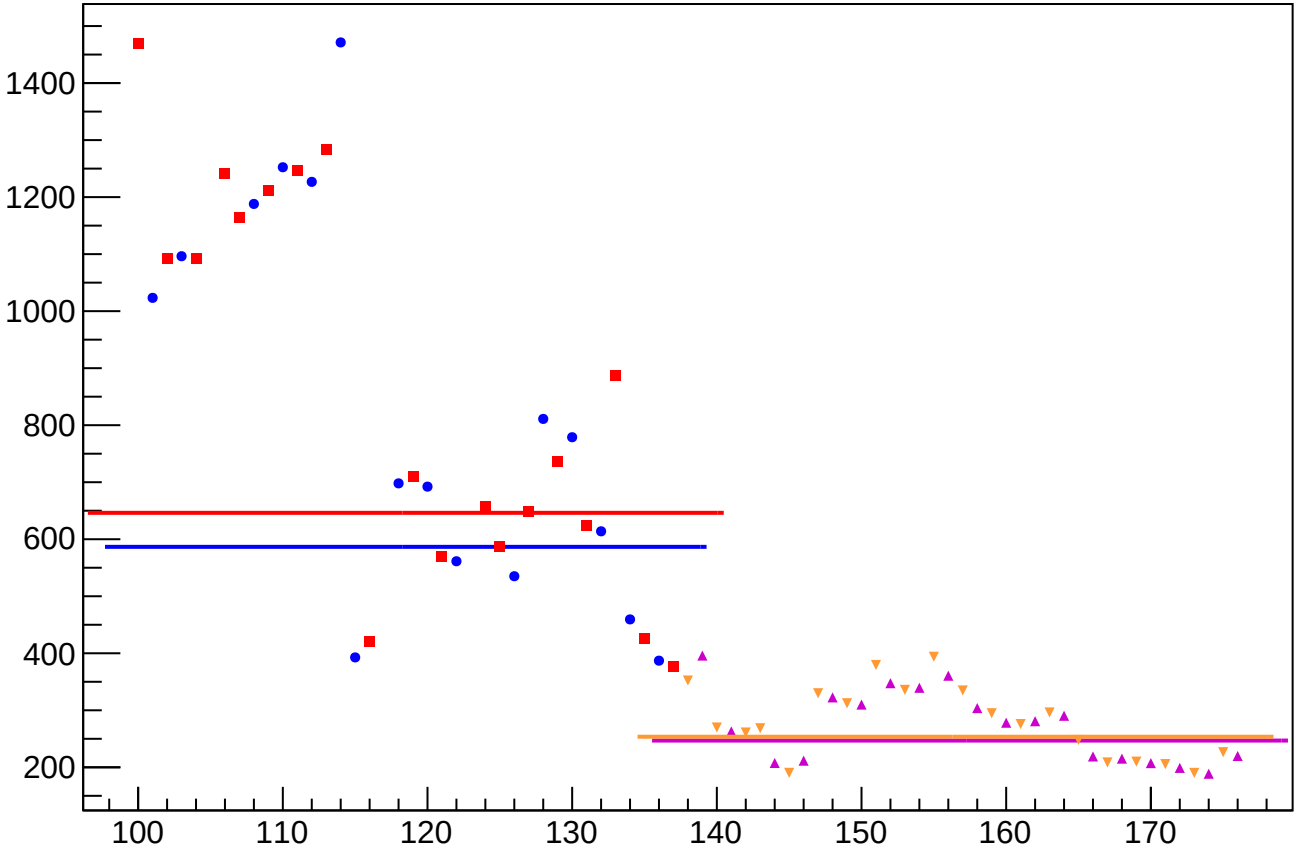
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -292.545+/-63.519 χ^2/NDF:79.3/38

All: -129.834+/-44.443 χ^2/NDF: 136.0/73

asym_sam_1526_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

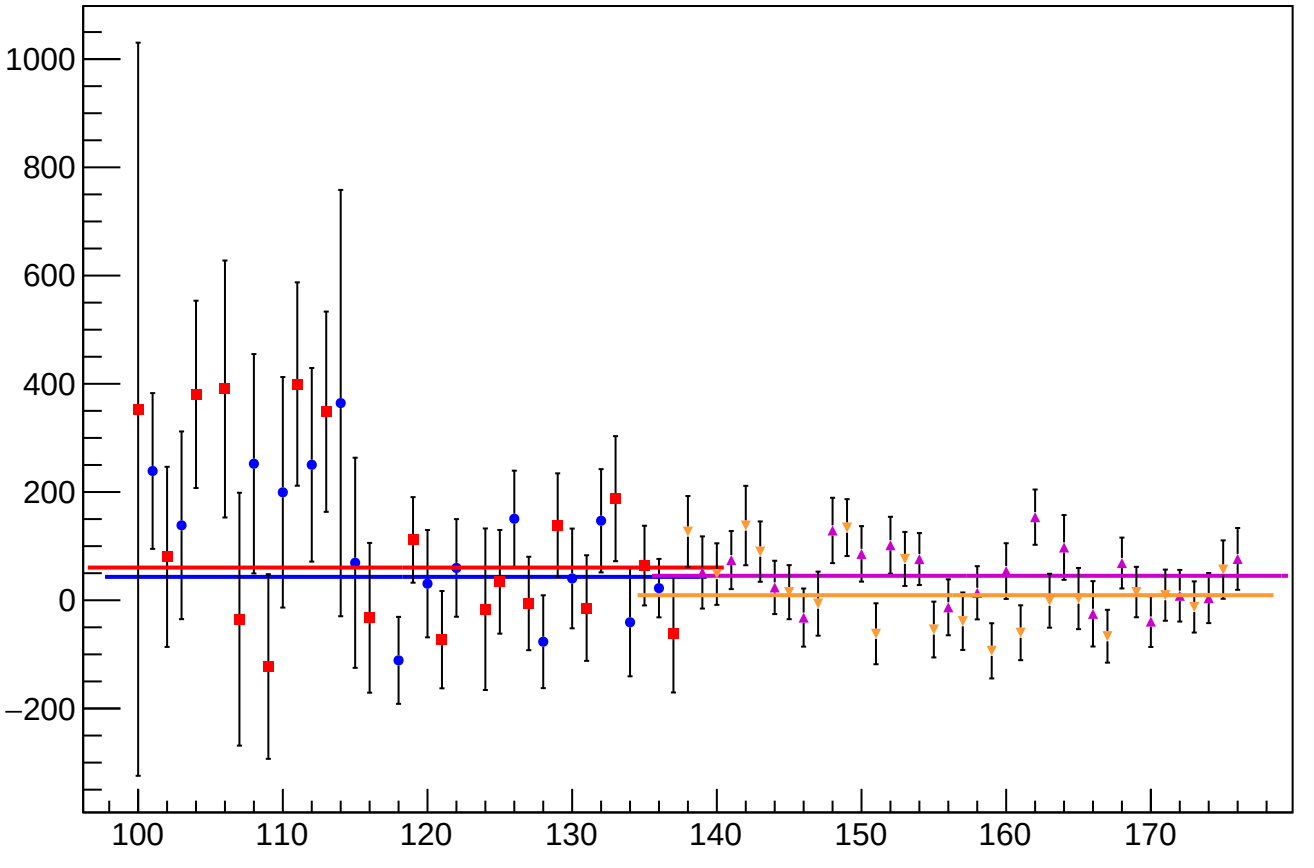
Left: 250.218+/-0.033 χ^2/NDF: 3040650.4/38

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 270.325+/-0.044 χ^2/NDF:7362322.1/34

Out: 277.714+/-0.045 χ^2/NDF:8011313.0/38

All: 273.942+/-0.031 χ^2/NDF: 15387449.9/73



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 9.407+/-11.825 χ^2/NDF:29.7/19

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.208+/-11.949 χ^2/NDF:20.2/18

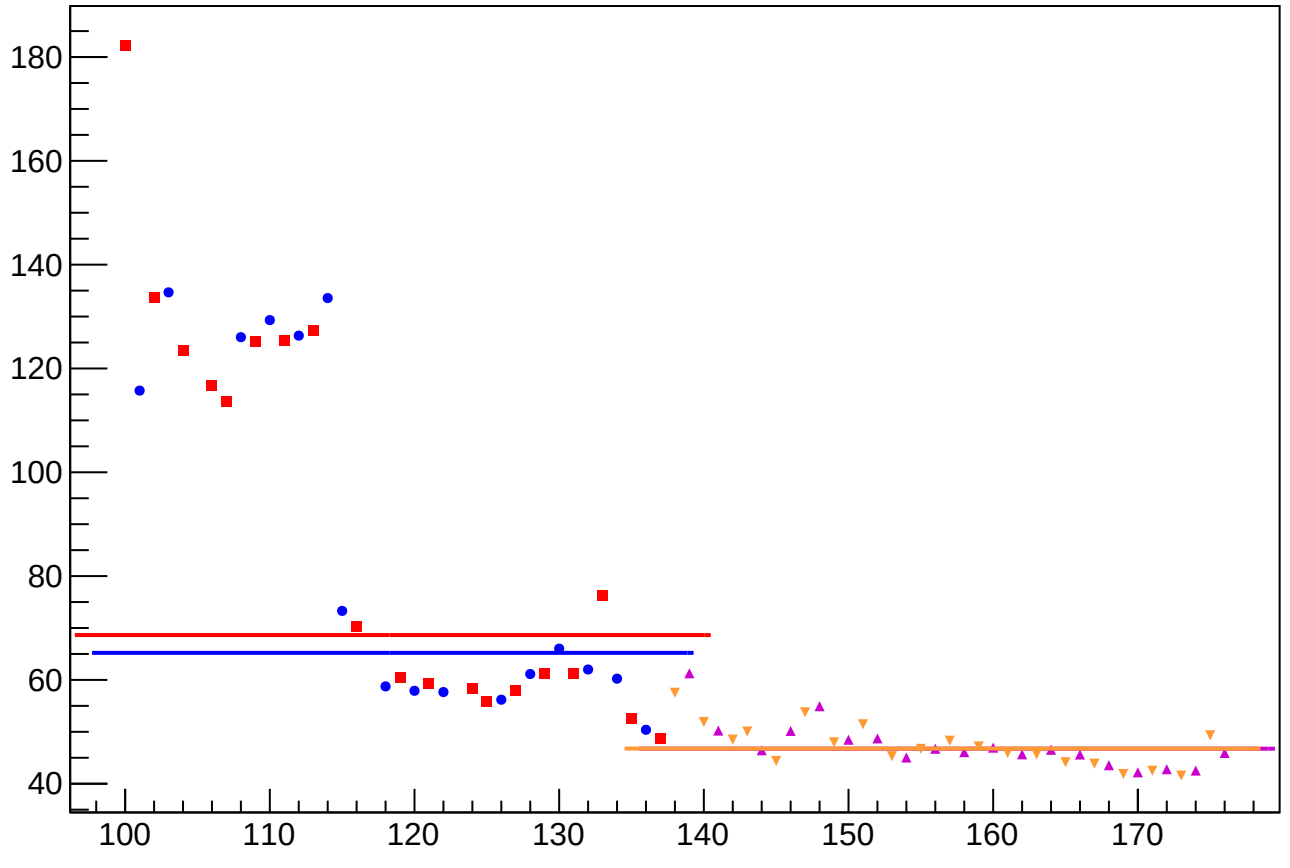
Left: 27.120+/-8.405 χ^2/NDF: 54.4/38

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.860+/-10.842 χ^2/NDF:35.1/34

Out: 17.672+/-10.825 χ^2/NDF:53.0/38

All: 31.245+/-7.660 χ^2/NDF: 91.3/73



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.777+/-0.008 χ^2/NDF:208683.9/19

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

Left: 46.763+/-0.006 χ^2/NDF: 425307.7/38

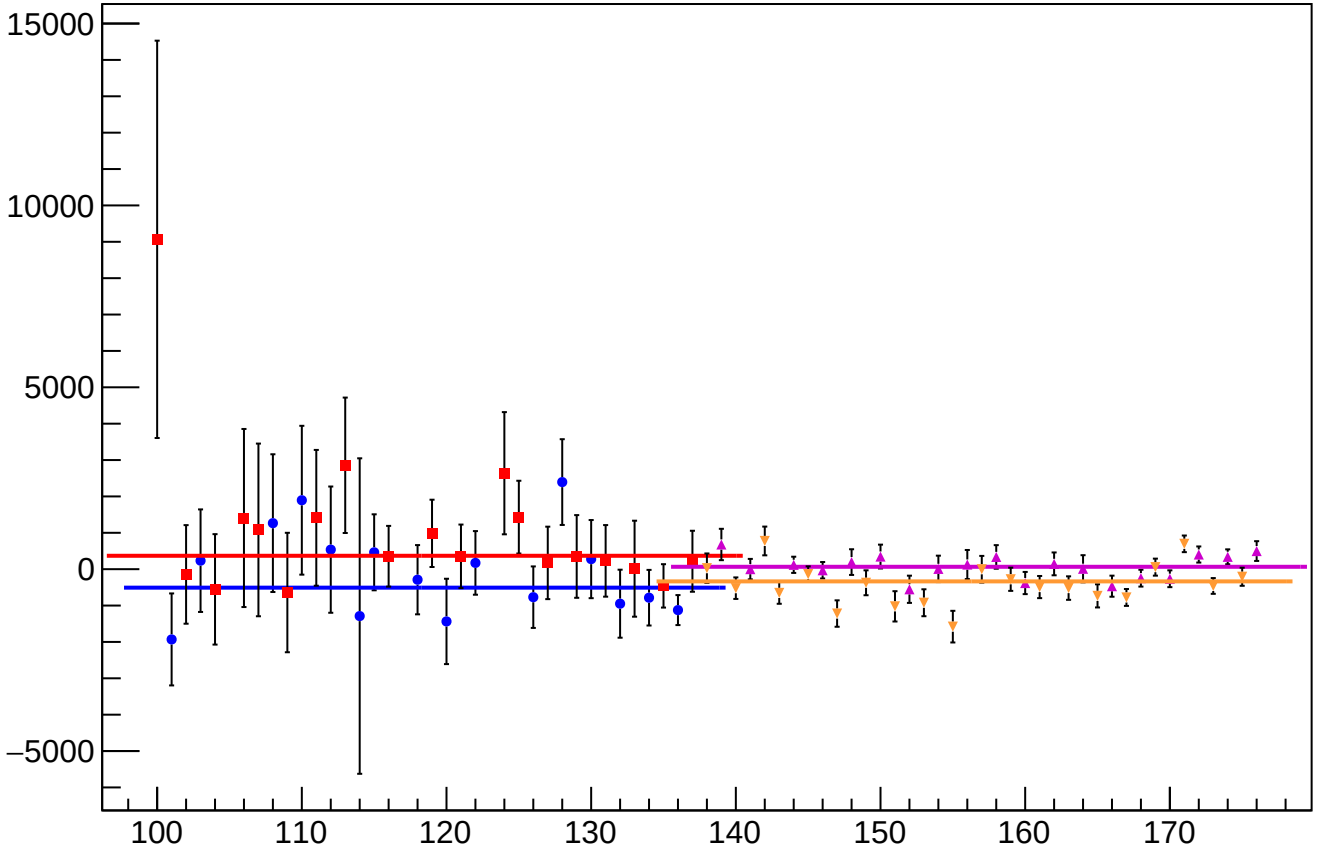
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.014+/-0.008 χ^2/NDF:2507528.5/34

Out: 50.319+/-0.008 χ^2/NDF:2953945.2/38

All: 50.167+/-0.005 χ^2/NDF: 5462265.1/73

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: -335.708+/-65.560 χ^2/NDF:60.9/19

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.755+/-64.466 χ^2/NDF:22.8/18

Left: -131.599+/-45.966 χ^2/NDF: 102.8/38

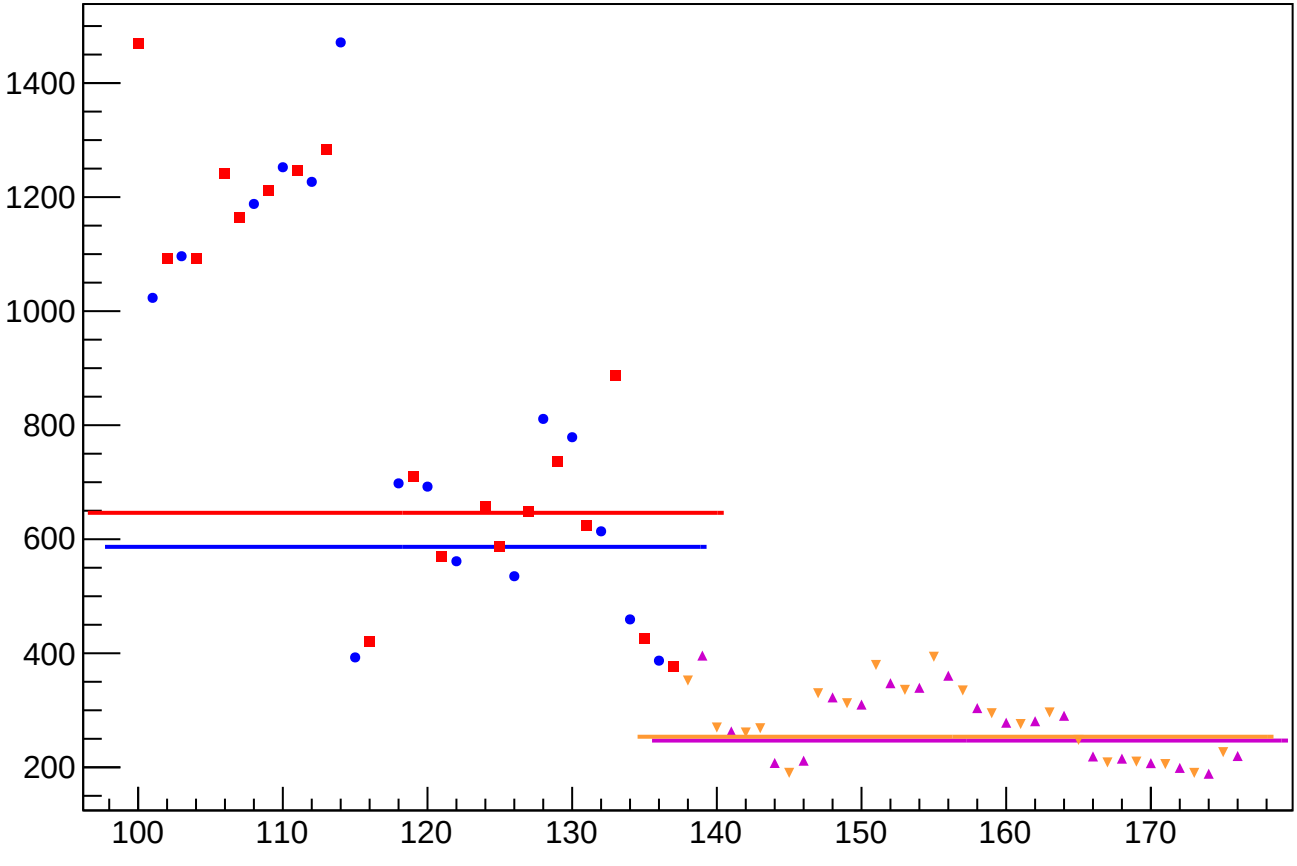
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -292.545+/-63.519 χ^2/NDF:79.3/38

All: -129.834+/-44.443 χ^2/NDF: 136.0/73

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: 253.639+/-0.046 χ^2/NDF:1549055.3/19

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

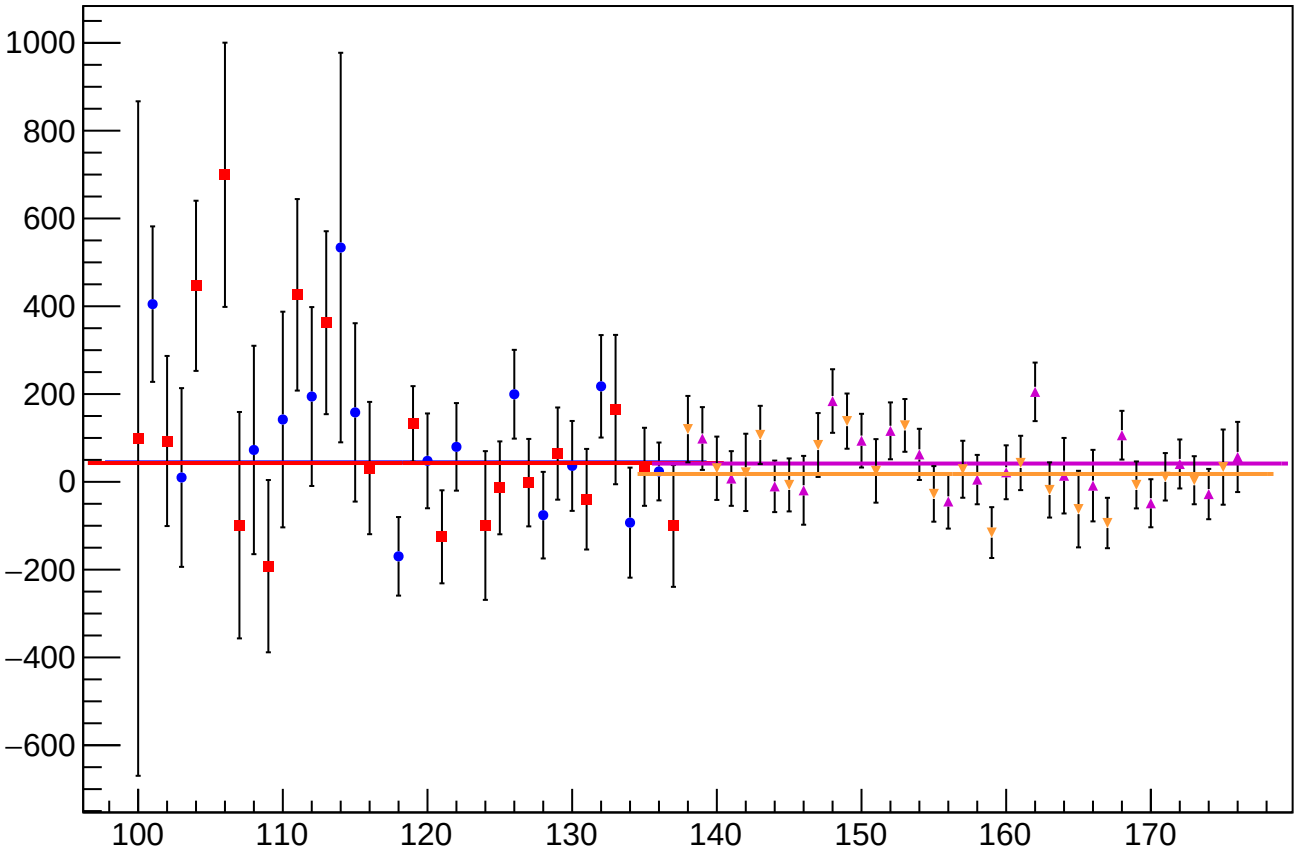
Left: 250.218+/-0.033 χ^2/NDF: 3040650.4/38

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 270.325+/-0.044 χ^2/NDF:7362322.1/34

Out: 277.714+/-0.045 χ^2/NDF:8011313.0/38

All: 273.942+/-0.031 χ^2/NDF: 15387449.9/73



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.919+/-14.430 χ^2/NDF:23.0/19

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.700+/-14.602 χ^2/NDF:22.9/18

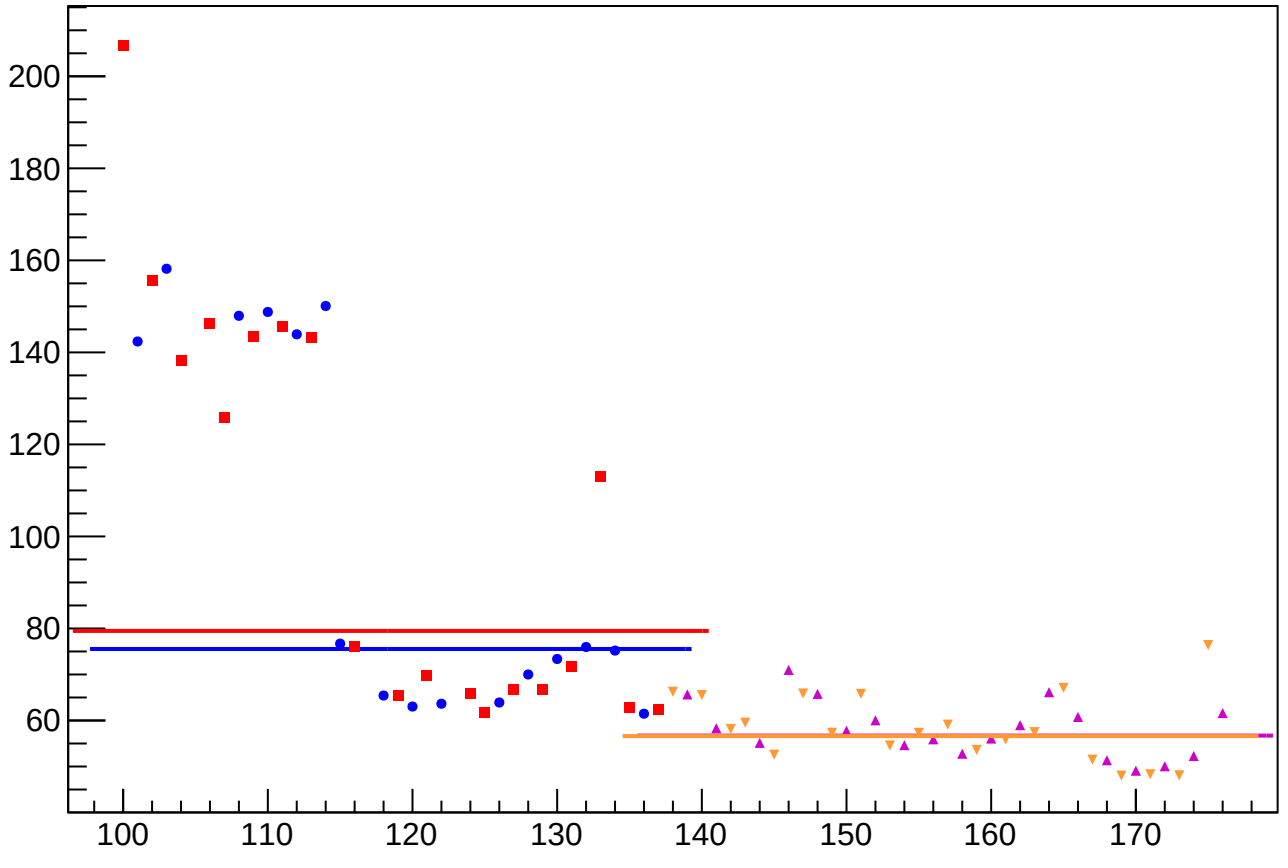
Left: 29.668+/-10.264 χ^2/NDF: 47.3/38

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.217+/-13.122 χ^2/NDF:42.5/34

Out: 22.309+/-13.100 χ^2/NDF:46.8/38

All: 32.247+/-9.271 χ^2/NDF: 90.5/73



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.607+/-0.010 χ^2/NDF:451347.0/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.4/18

Left: 56.660+/-0.007 χ^2/NDF: 738656.9/38

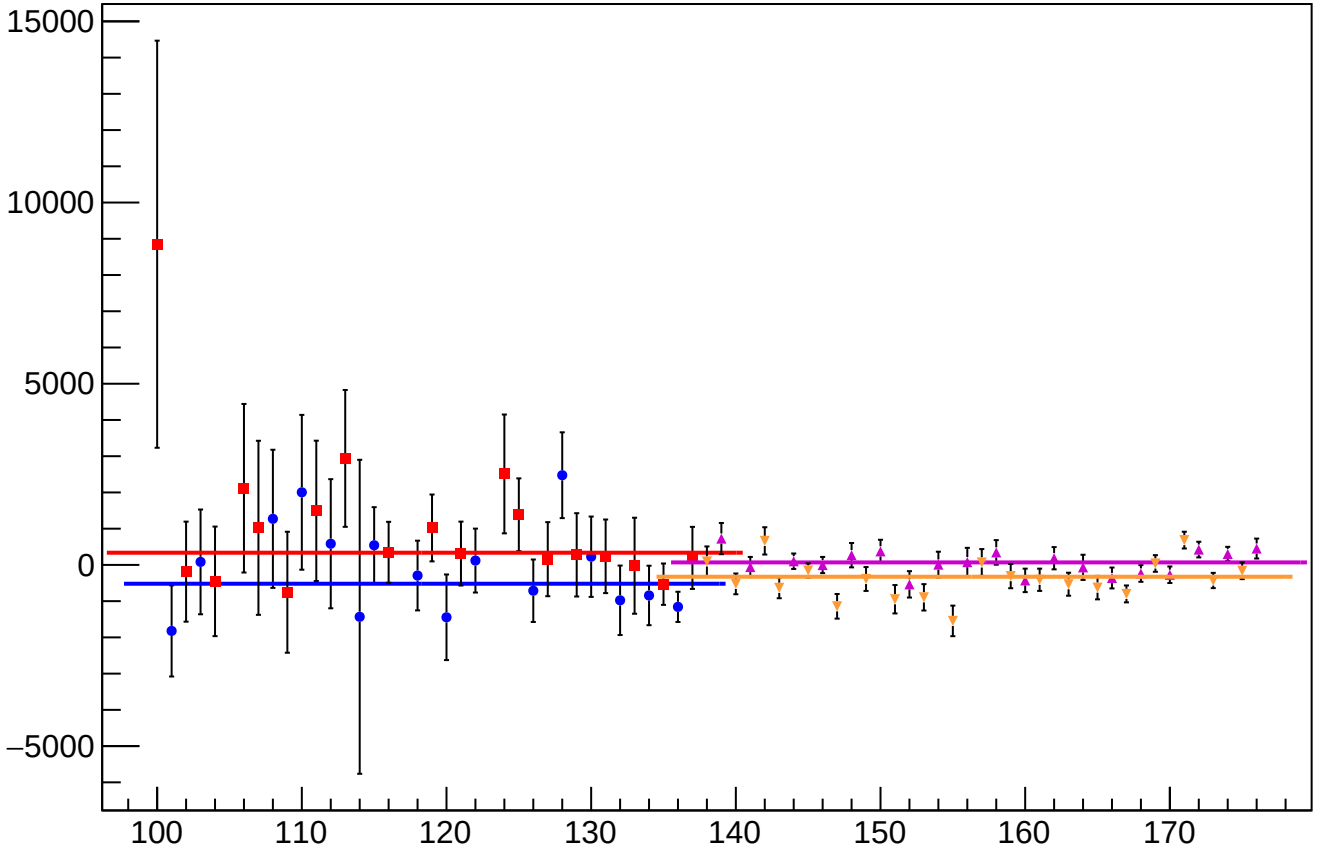
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.339+/-0.009 χ^2/NDF:2392932.6/34

Out: 60.624+/-0.009 χ^2/NDF:3017117.0/38

All: 60.482+/-0.007 χ^2/NDF: 5410522.4/73

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: -326.162+/-63.969 χ^2/NDF:58.4/19

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 69.112+/-63.414 χ^2/NDF:22.3/18

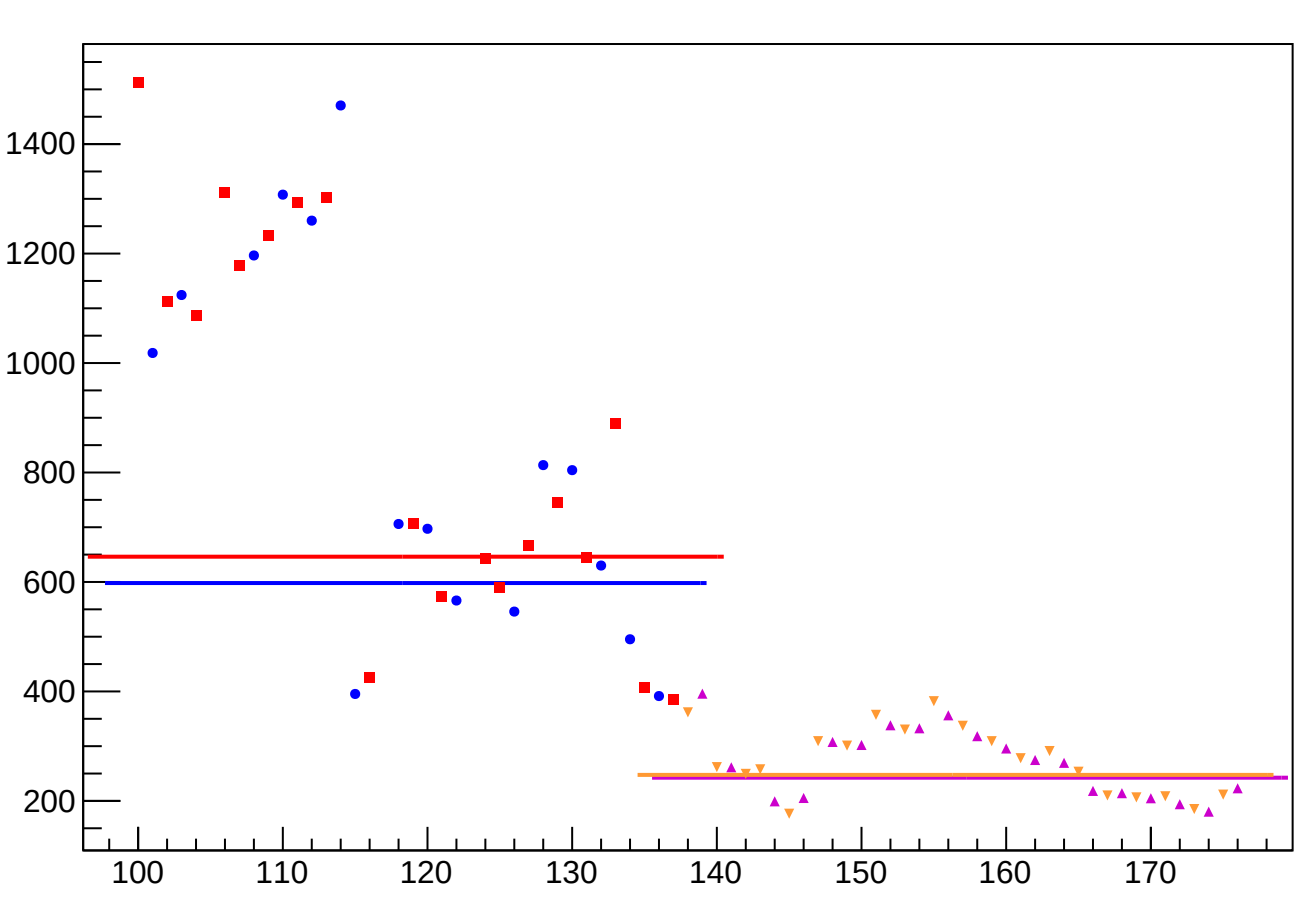
Left: -126.804+/-45.036 χ^2/NDF: 99.9/38

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 31.106+/-61.332 χ^2/NDF:43.6/34

Out: -287.380+/-62.070 χ^2/NDF:76.6/38

All: -126.233+/-43.627 χ^2/NDF: 133.6/73



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 247.525+/-0.045 χ^2/NDF:1644827.5/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 242.400+/-0.045 χ^2/NDF:1578264.7/18

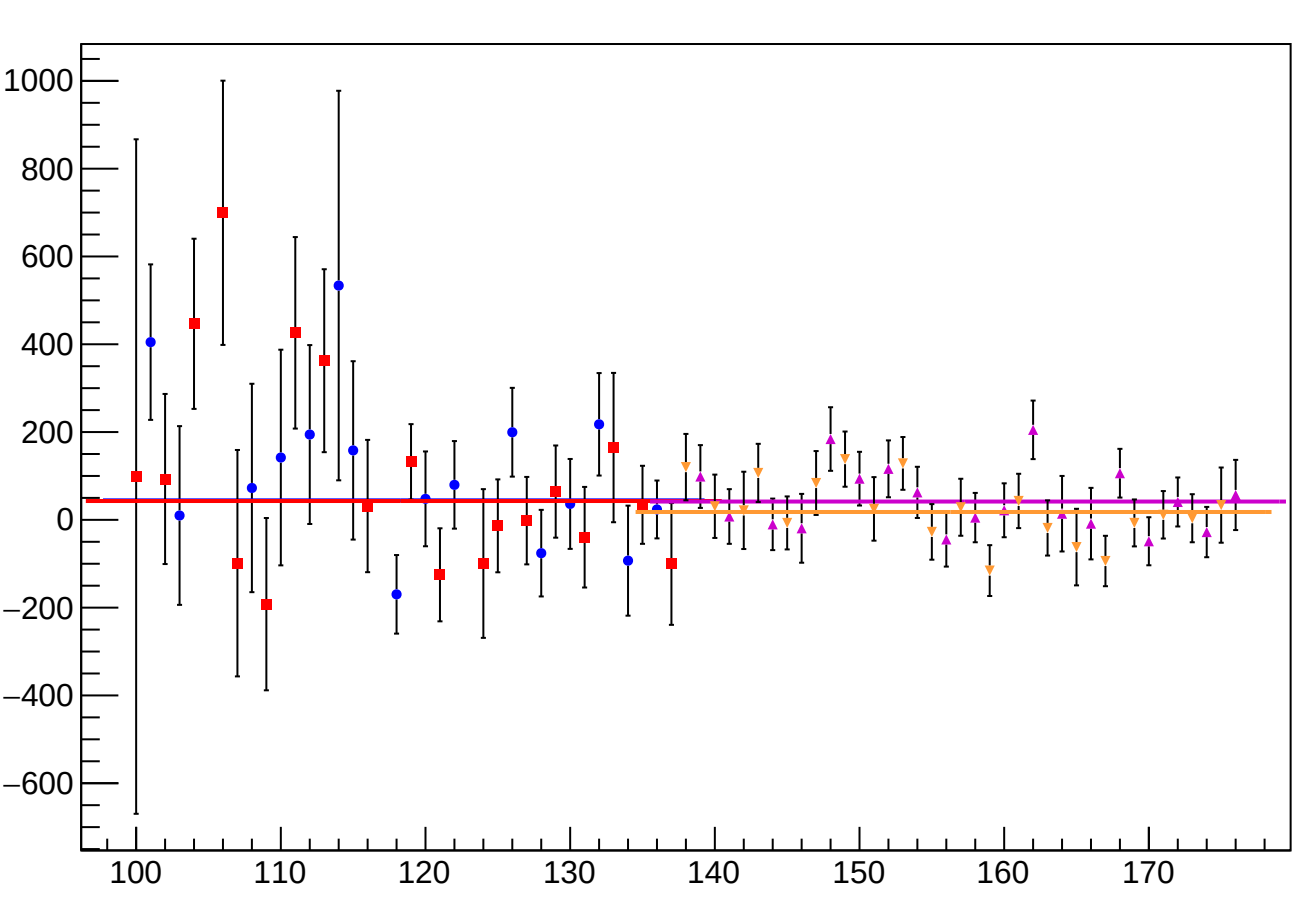
Left: 244.940+/-0.032 χ^2/NDF: 3229565.6/38

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 265.373+/-0.043 χ^2/NDF:7689454.6/34

Out: 270.848+/-0.044 χ^2/NDF:8394825.0/38

All: 268.078+/-0.031 χ^2/NDF: 16092153.6/73



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.918+/-14.430 χ^2/NDF:23.0/19

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.699+/-14.602 χ^2/NDF:22.9/18

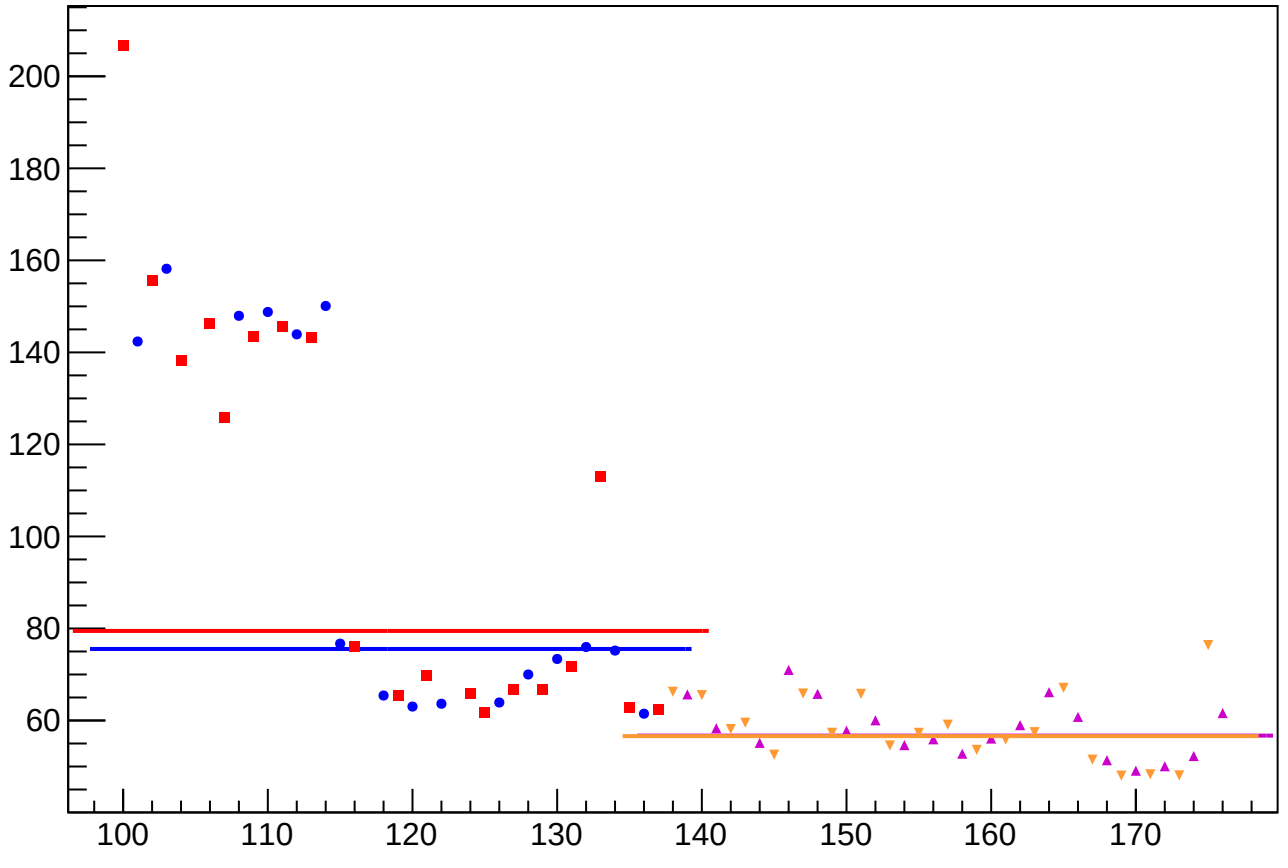
Left: 29.667+/-10.264 χ^2/NDF: 47.3/38

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.216+/-13.122 χ^2/NDF:42.5/34

Out: 22.309+/-13.100 χ^2/NDF:46.8/38

All: 32.246+/-9.271 χ^2/NDF: 90.5/73



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.607+/-0.010 χ^2/NDF:451348.9/19

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.6/18

Left: 56.660+/-0.007 χ^2/NDF: 738659.1/38

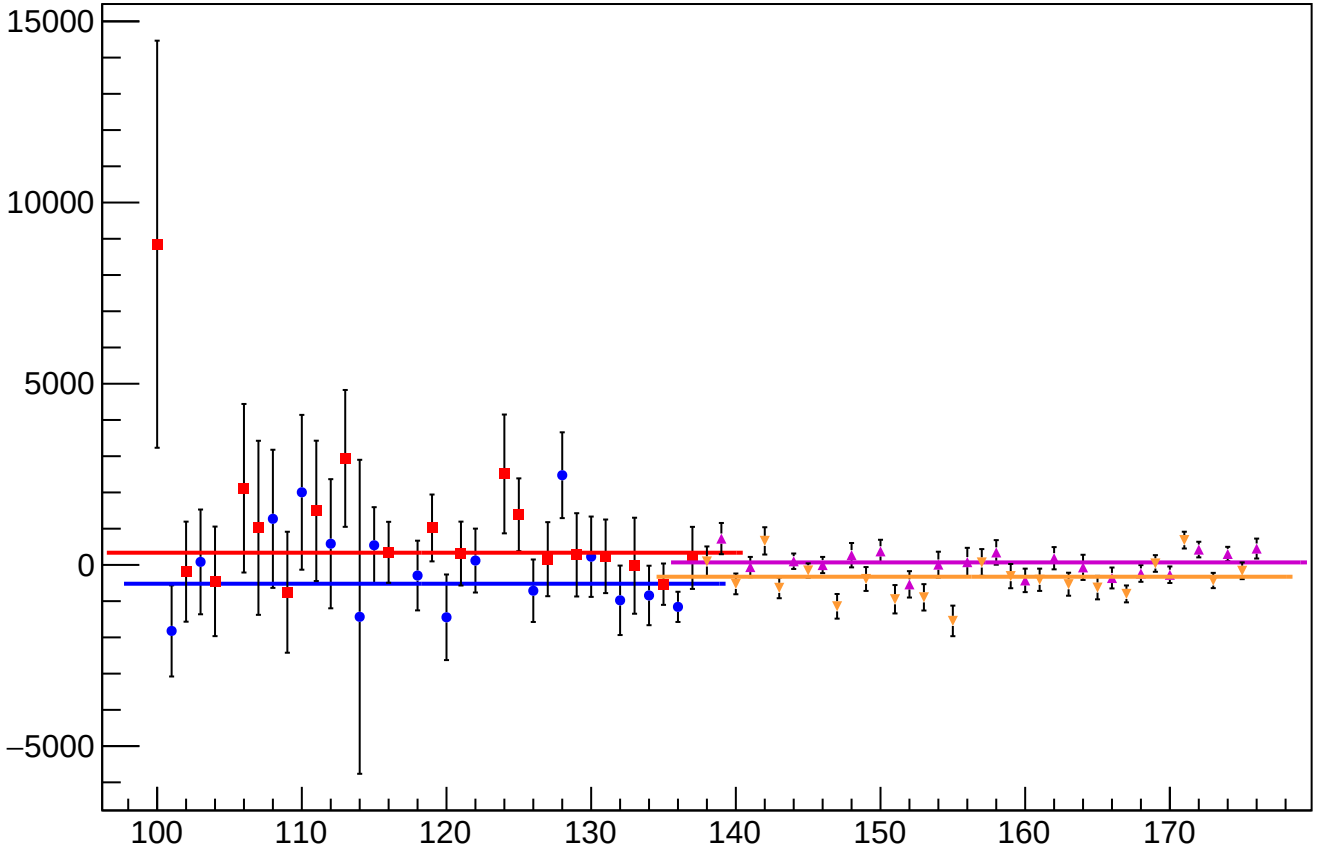
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.339+/-0.009 χ^2/NDF:2392888.5/34

Out: 60.624+/-0.009 χ^2/NDF:3017087.6/38

All: 60.482+/-0.007 χ^2/NDF: 5410448.7/73

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: -326.161+/-63.969 χ^2/NDF:58.4/19

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 69.111+/-63.414 χ^2/NDF:22.3/18

Left: -126.804+/-45.035 χ^2/NDF: 99.9/38

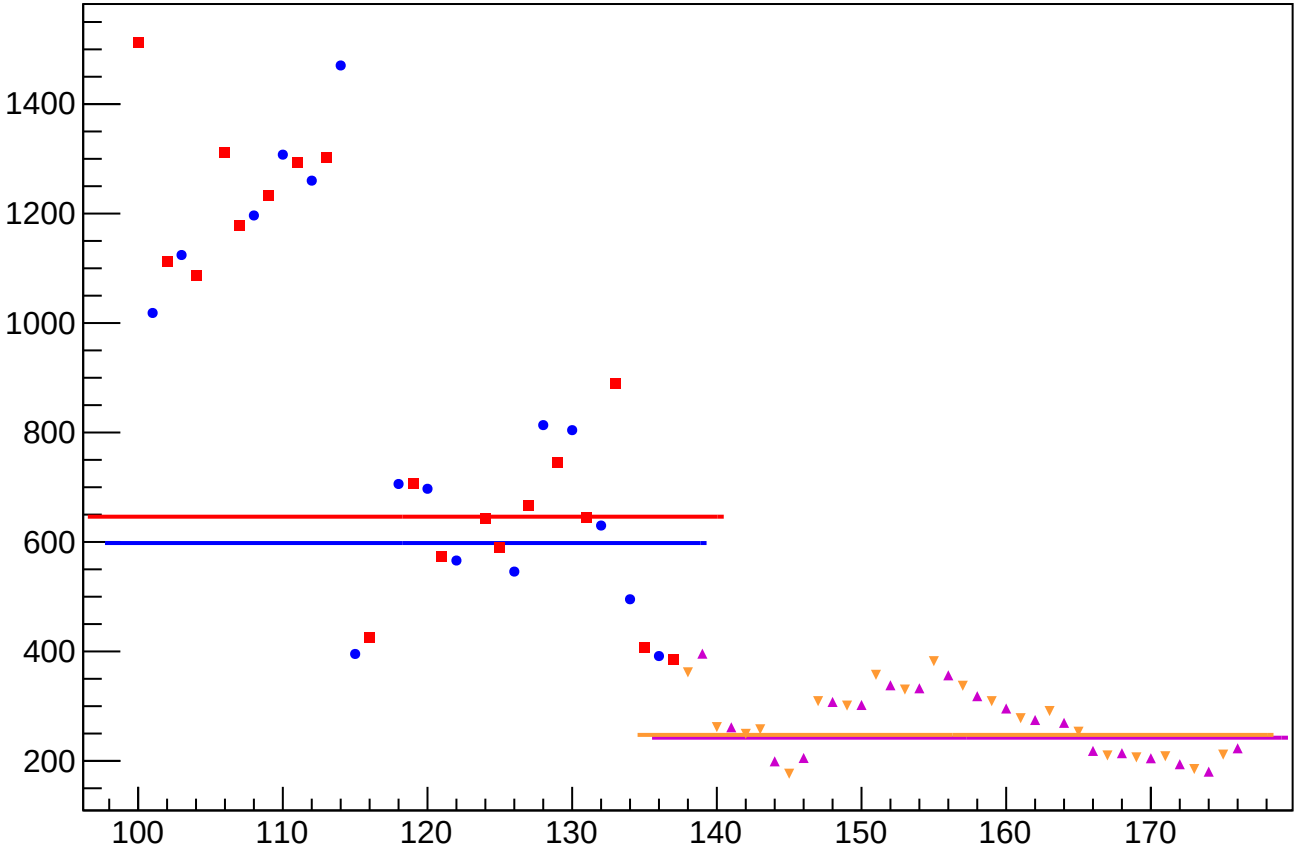
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 31.106+/-61.332 χ^2/NDF:43.6/34

Out: -287.379+/-62.069 χ^2/NDF:76.6/38

All: -126.233+/-43.627 χ^2/NDF: 133.6/73

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: 247.524+/-0.045 χ^2/NDF:1644829.0/19

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 242.400+/-0.045 χ^2/NDF:1578256.4/18

Left: 244.940+/-0.032 χ^2/NDF: 3229558.4/38

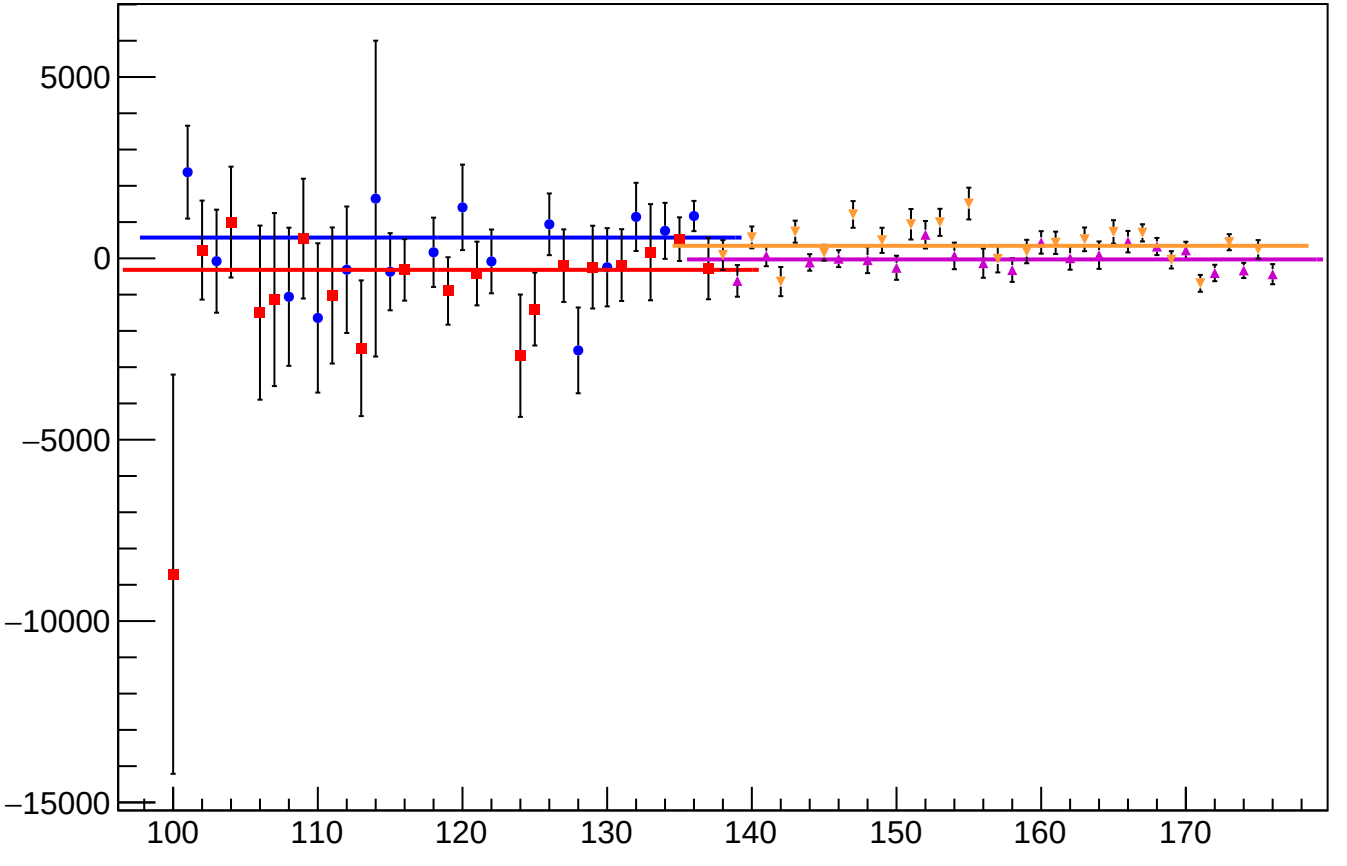
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 265.373+/-0.043 χ^2/NDF:7689433.0/34

Out: 270.848+/-0.044 χ^2/NDF:8394821.3/38

All: 268.078+/-0.031 χ^2/NDF: 16092127.6/73

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 346.127+/-66.768 χ^2/NDF:55.1/19

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -29.418+/-65.750 χ^2/NDF:22.2/18

Left: 155.469+/-46.848 χ^2/NDF: 93.4/38

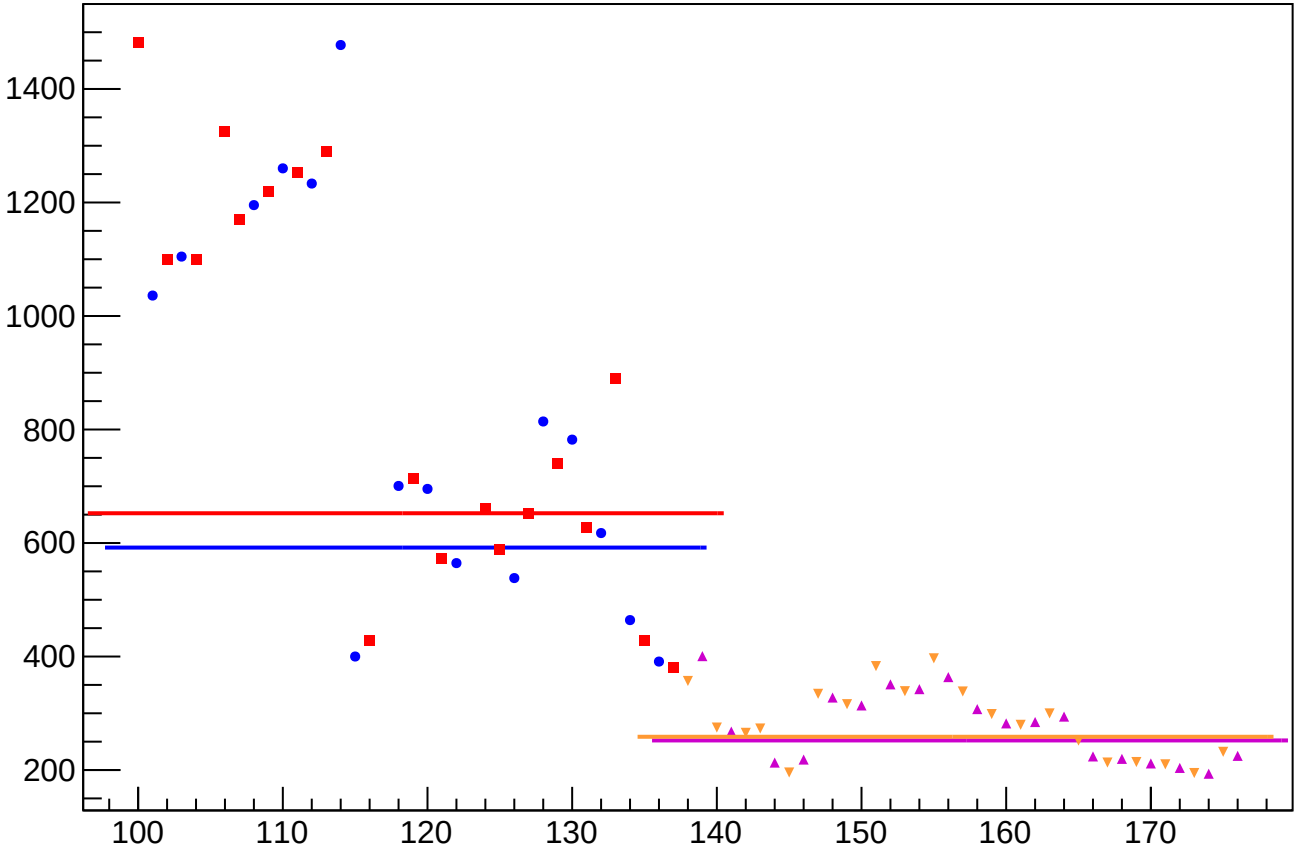
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 13.019+/-63.393 χ^2/NDF:44.7/34

Out: 304.586+/-64.643 χ^2/NDF:72.3/38

All: 155.958+/-45.261 χ^2/NDF: 127.4/73

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 258.631+/-0.047 χ^2/NDF:1479603.9/19

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.155+/-0.046 χ^2/NDF:1408823.8/18

Left: 255.343+/-0.033 χ^2/NDF: 2897981.1/38

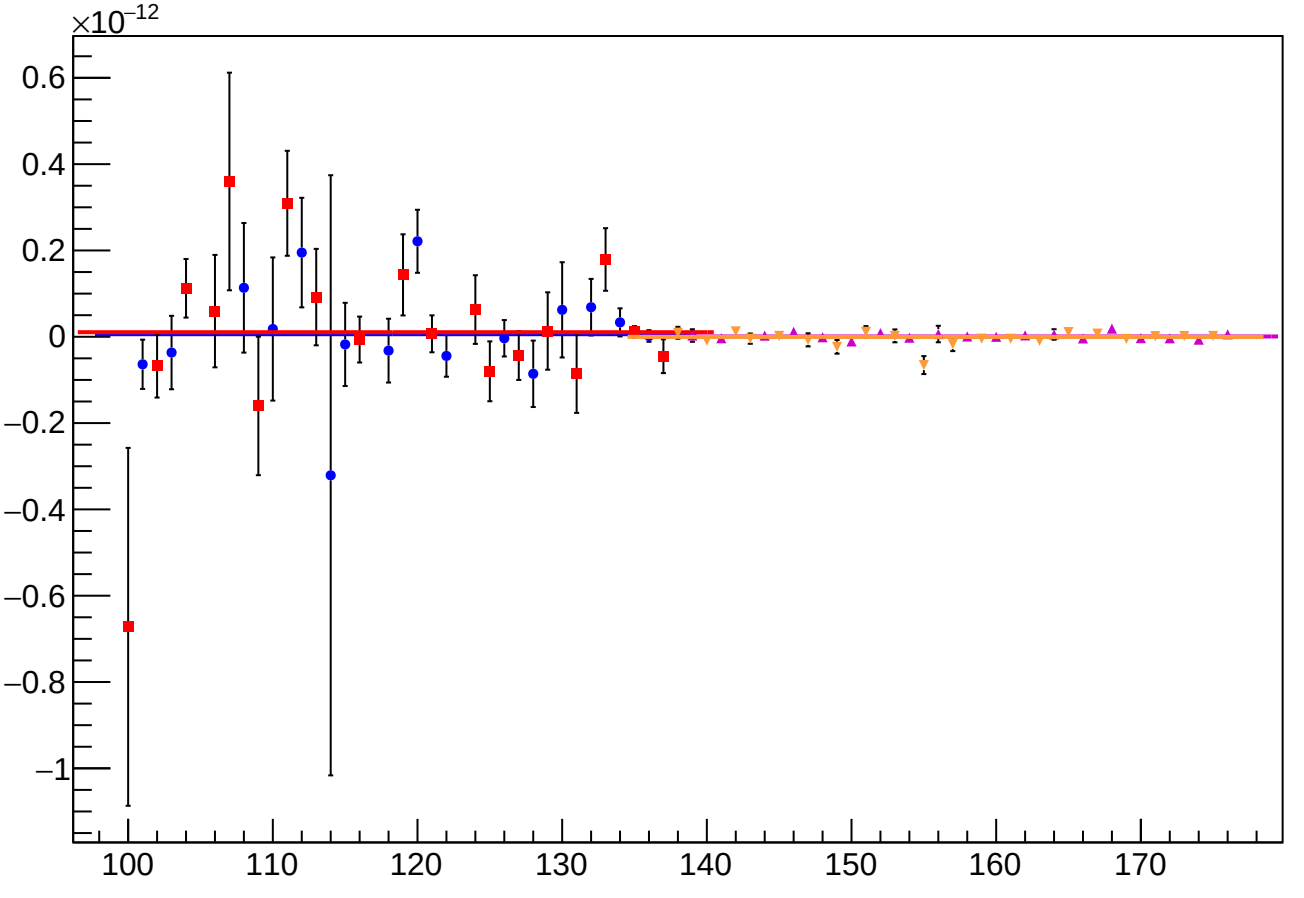
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 276.078+/-0.045 χ^2/NDF:7205604.6/34

Out: 283.309+/-0.046 χ^2/NDF:7929697.0/38

All: 279.623+/-0.032 χ^2/NDF: 15148057.1/73

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/18

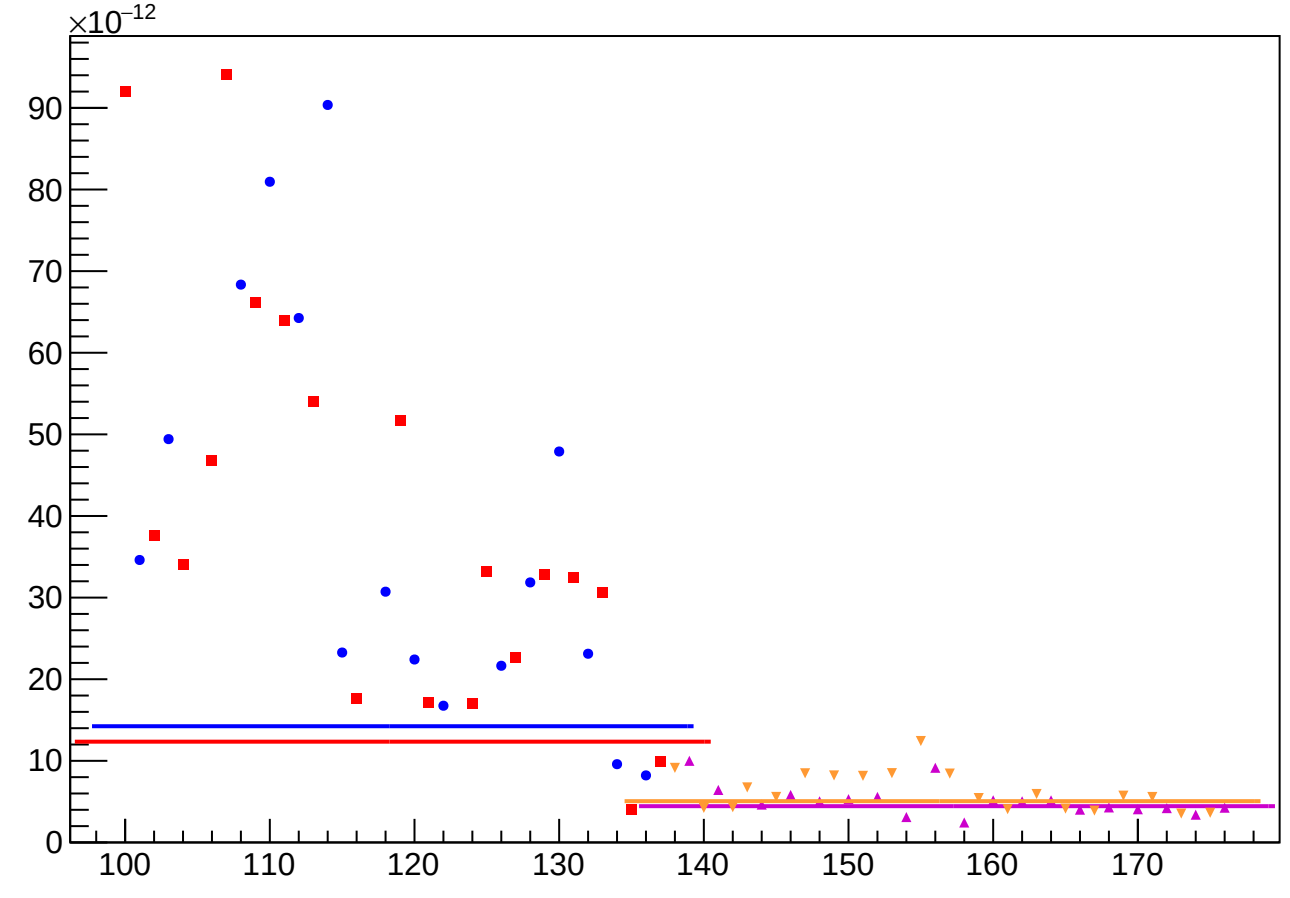
Left: 0.000+/-0.000 χ^2/NDF: 33.7/38

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:52.5/38

All: 0.000+/-0.000 χ^2/NDF: 82.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1371065.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:885996.6/18

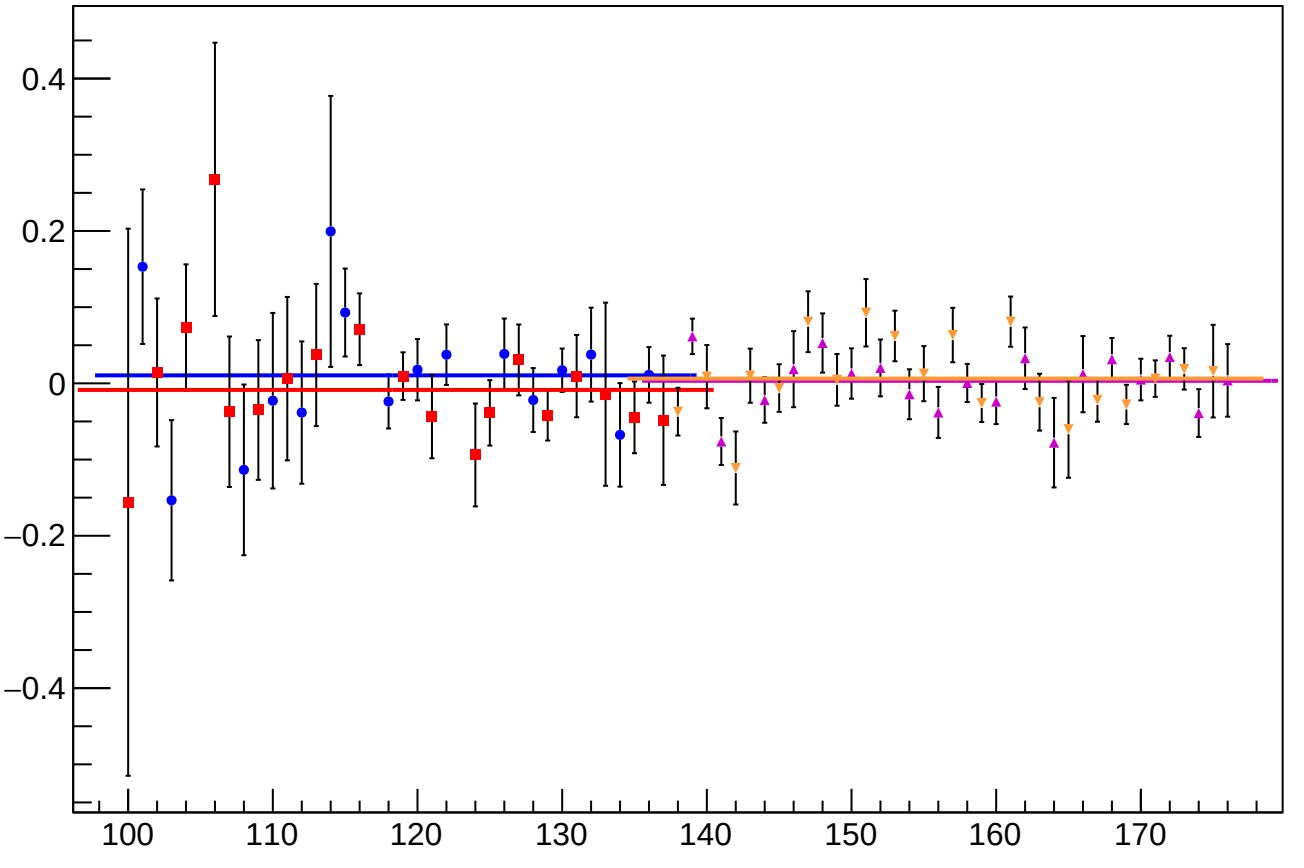
Left: 0.000+/-0.000 χ^2/NDF: 2345187.2/38

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:5049716.6/34

Out: 0.000+/-0.000 χ^2/NDF:5763576.1/38

All: 0.000+/-0.000 χ^2/NDF: 10884692.2/73



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

Left: 0.005+/-0.005 χ^2/NDF: 57.4/38

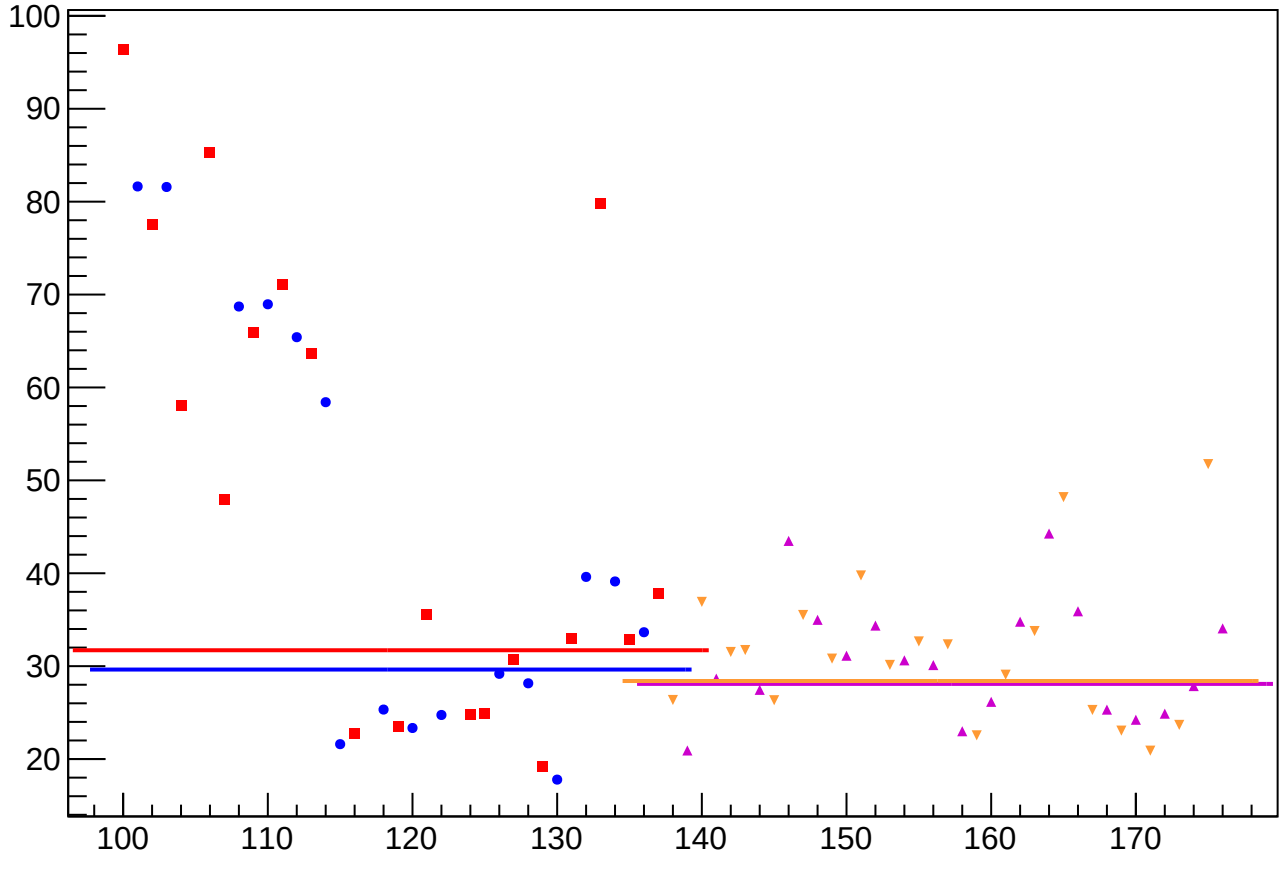
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/73

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

Left: 28.245+/-0.004 χ^2/NDF: 2400205.1/38

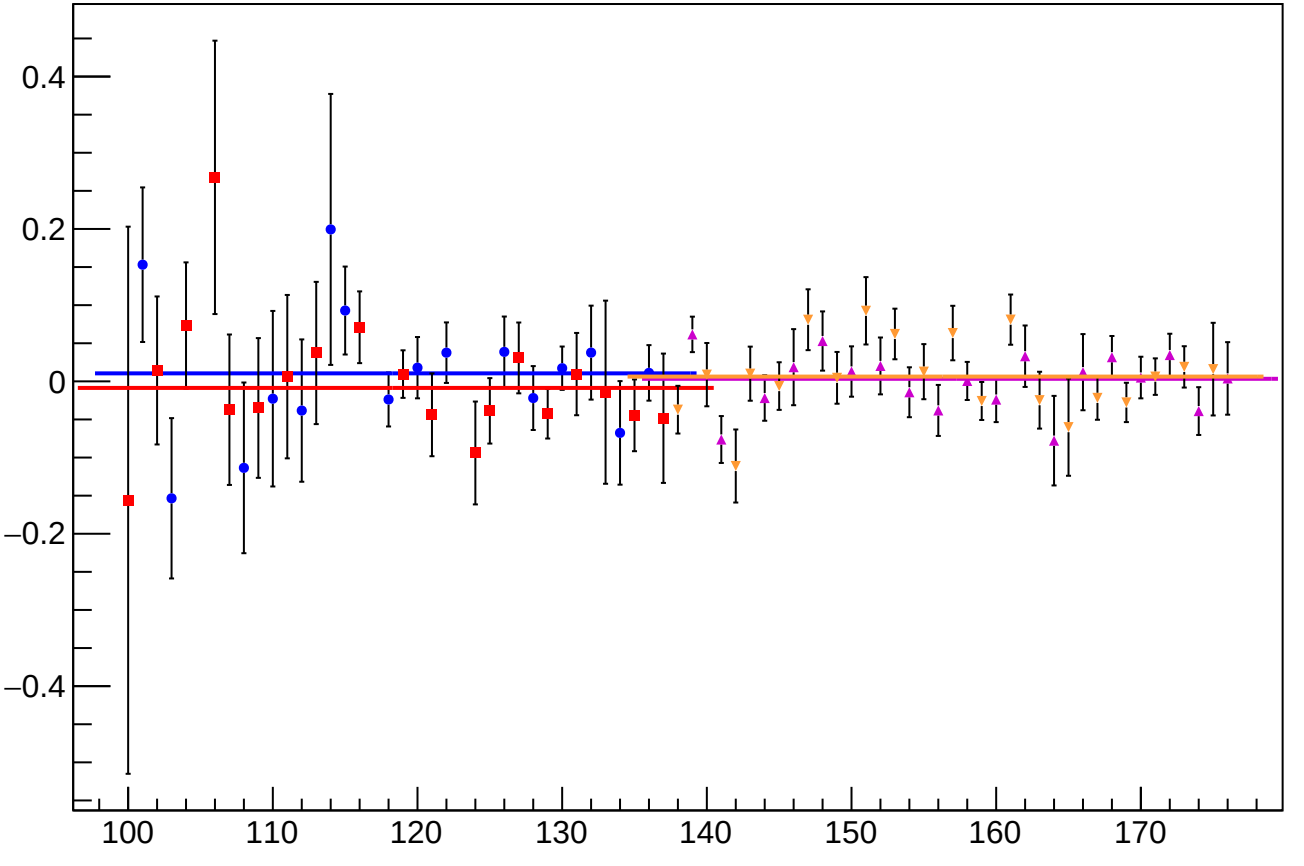
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.493+/-0.005 χ^2/NDF:3472829.1/34

Out: 29.201+/-0.005 χ^2/NDF:4142842.5/38

All: 28.842+/-0.003 χ^2/NDF: 7627676.7/73

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: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

Left: 0.005+/-0.005 χ^2/NDF: 57.4/38

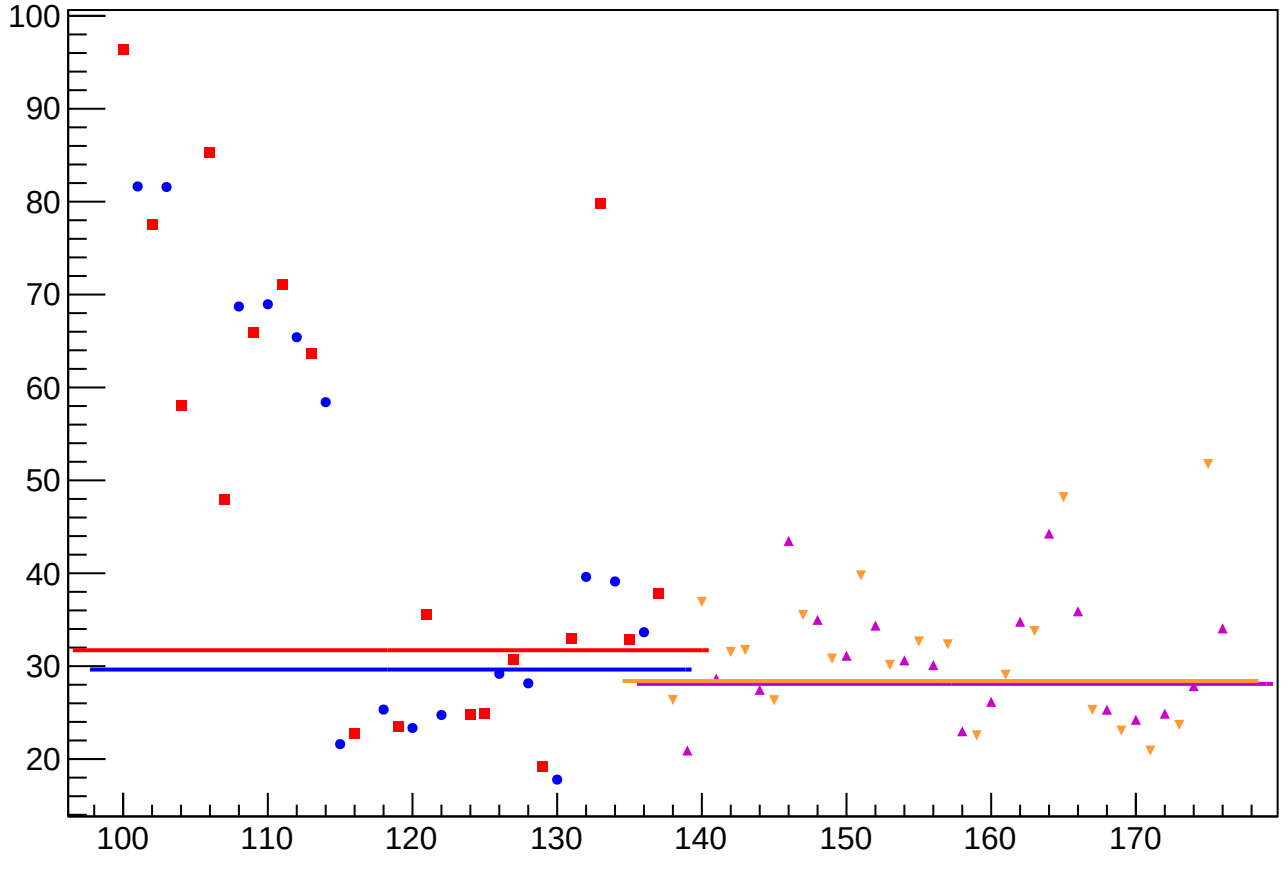
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/73

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396486.9/19

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

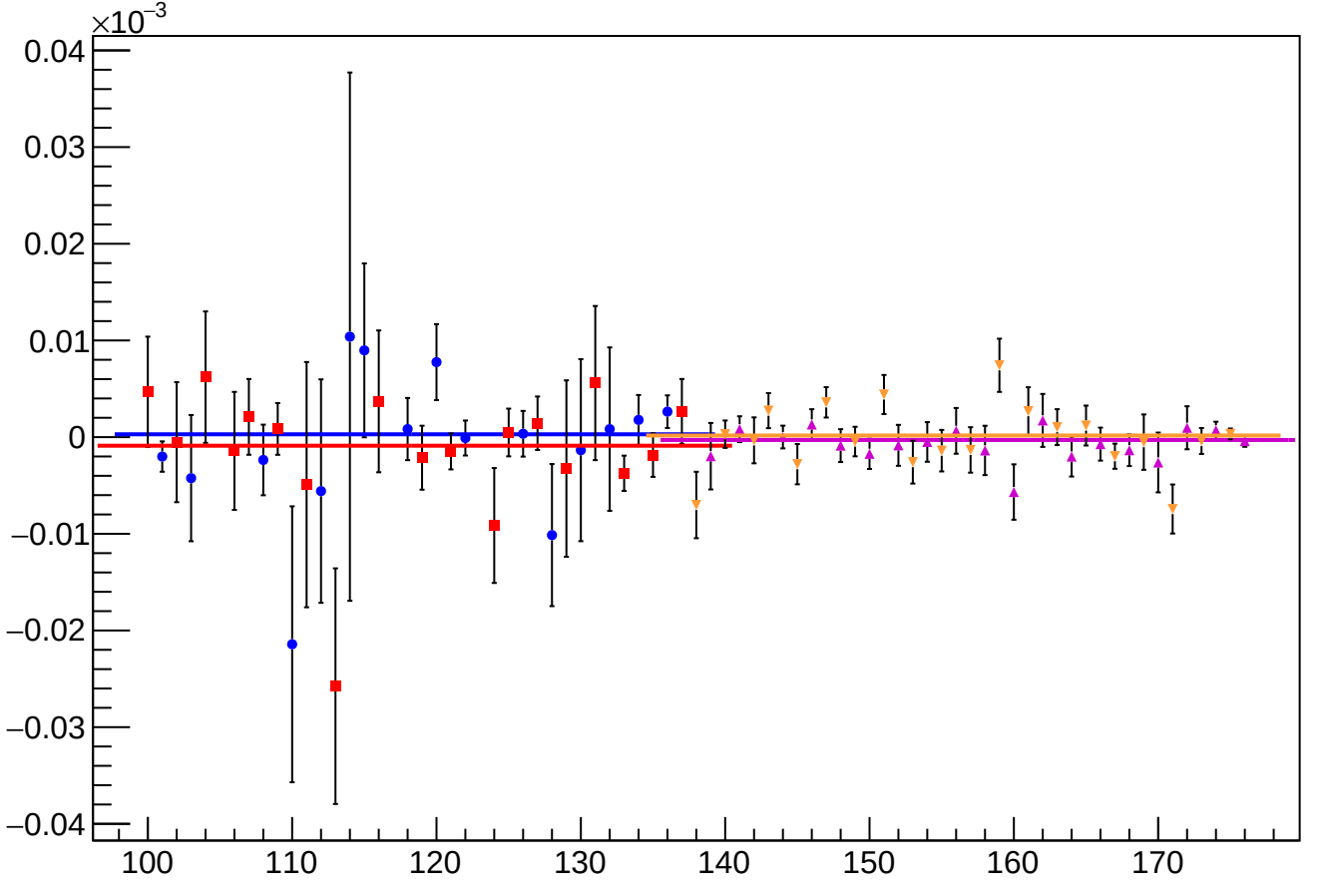
Left: 28.245+/-0.004 χ^2/NDF: 2400205.1/38

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.493+/-0.005 χ^2/NDF:3472829.1/34

Out: 29.201+/-0.005 χ^2/NDF:4142842.5/38

All: 28.842+/-0.003 χ^2/NDF: 7627676.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/18

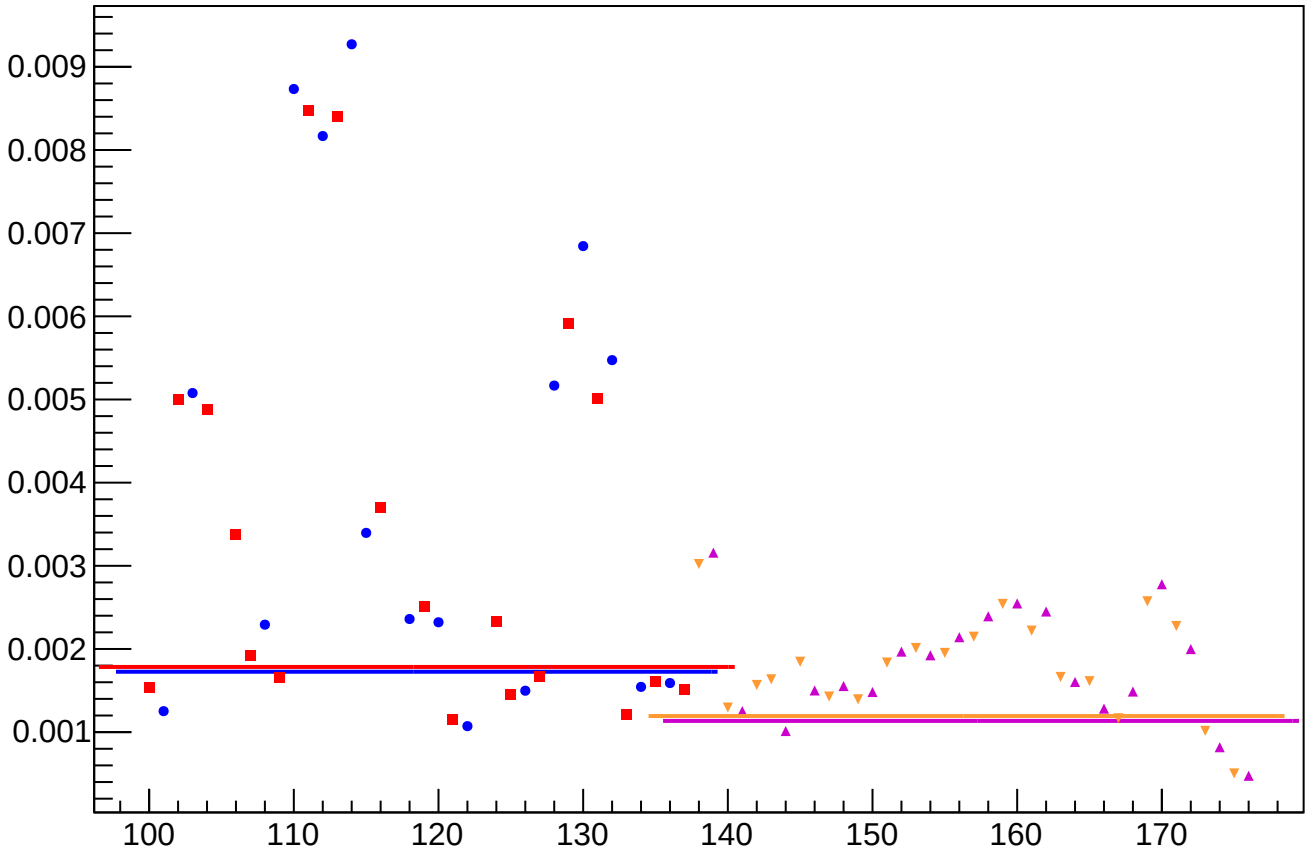
Left: -0.000+/-0.000 χ^2/NDF: 52.6/38

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: -0.000+/-0.000 χ^2/NDF:57.7/38

All: -0.000+/-0.000 χ^2/NDF: 84.0/73



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7016033.2/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7318818.3/18

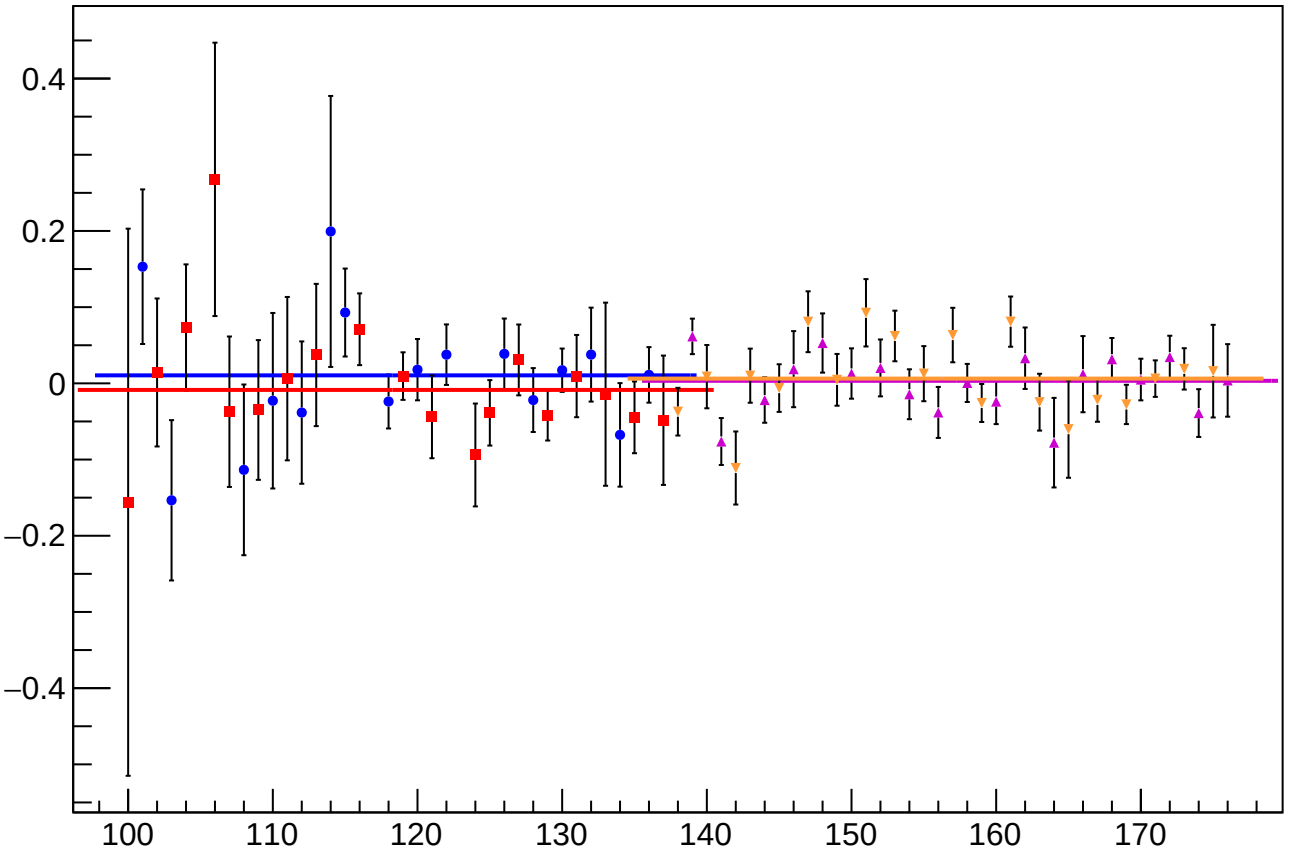
Left: 0.001+/-0.000 χ^2/NDF: 14364665.2/38

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:12261784.1/34

Out: 0.001+/-0.000 χ^2/NDF:11701231.5/38

All: 0.001+/-0.000 χ^2/NDF: 24001415.4/73



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

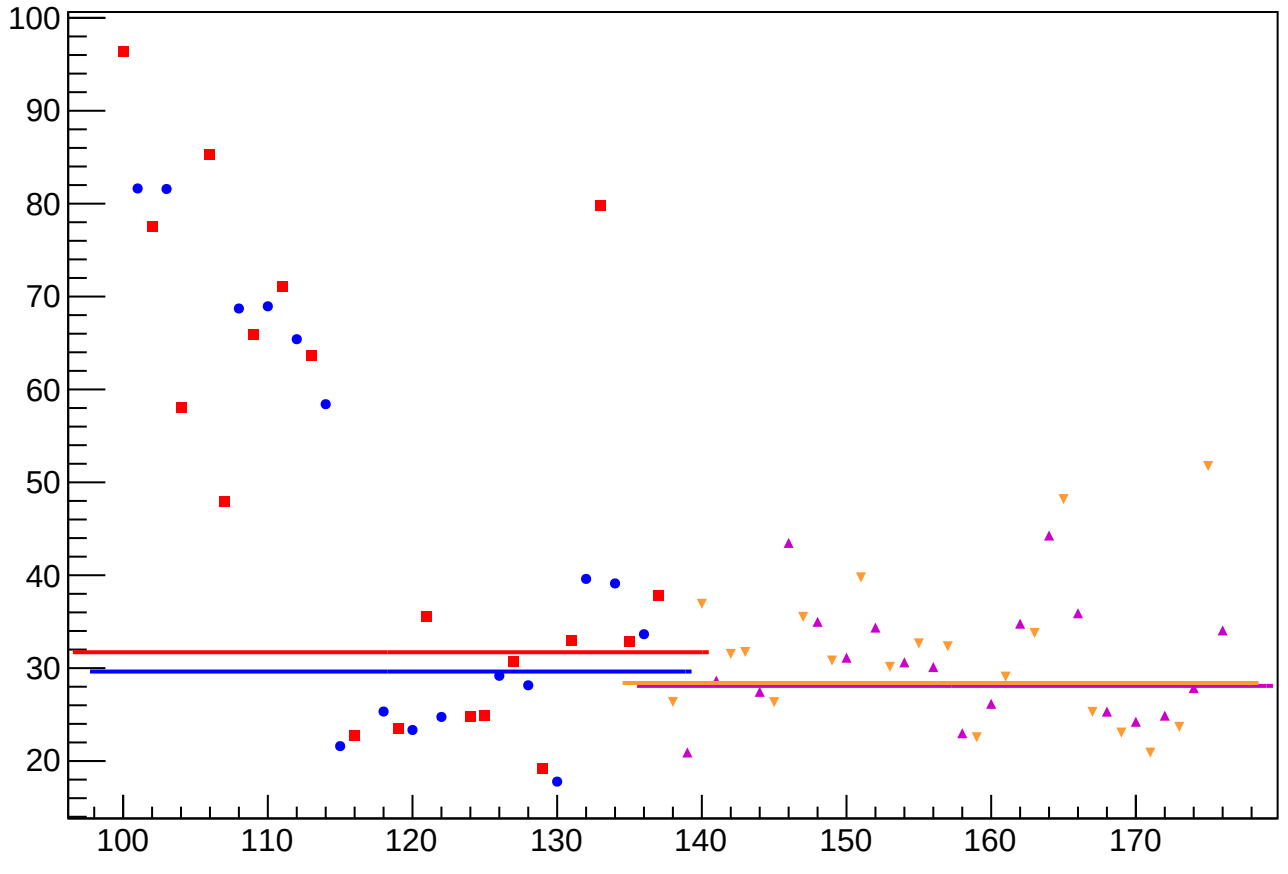
Left: 0.005+/-0.005 χ^2/NDF: 57.4/38

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/73



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.400+/-0.005 χ^2/NDF:1396522.9/19

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

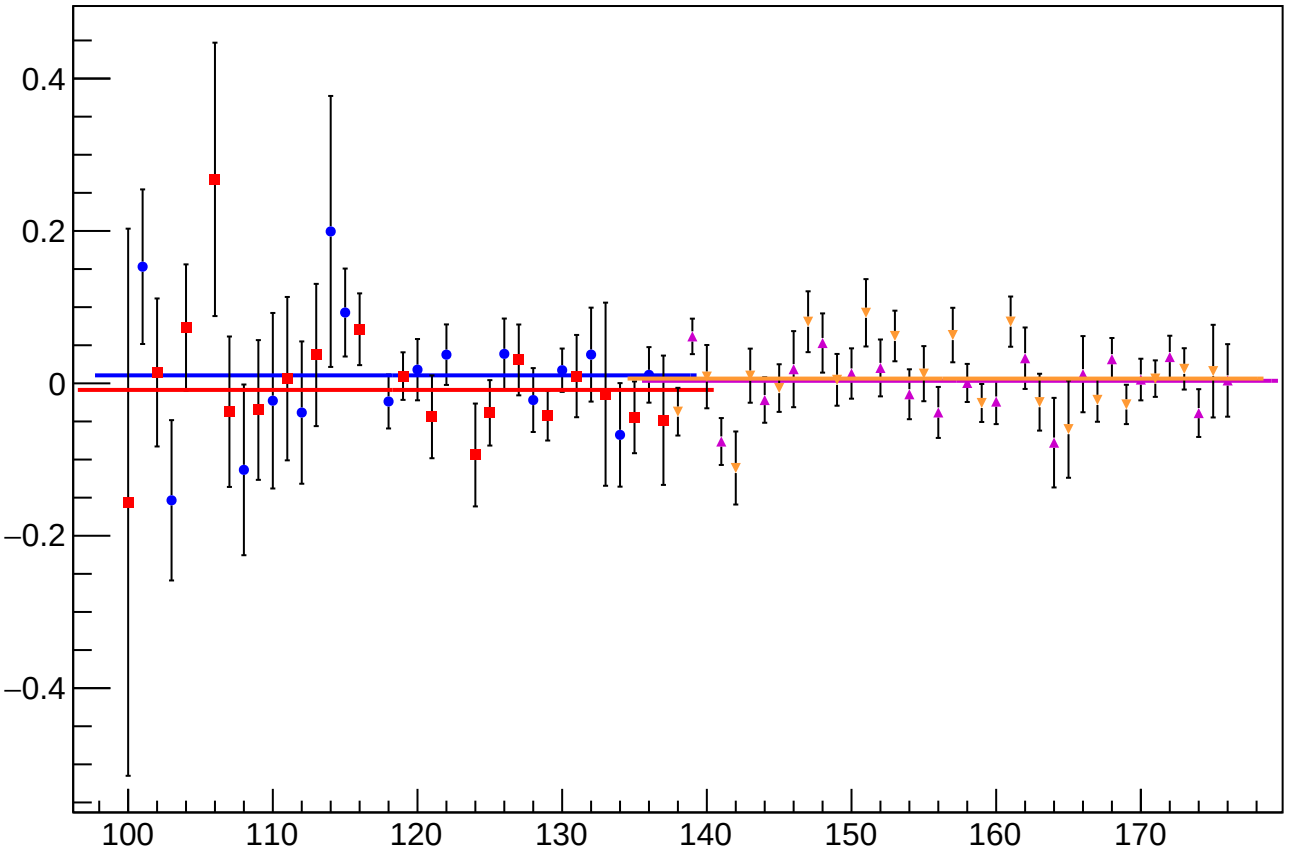
Left: 28.245+/-0.004 χ^2/NDF: 2400241.1/38

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.493+/-0.005 χ^2/NDF:3472987.7/34

Out: 29.201+/-0.005 χ^2/NDF:4142967.9/38

All: 28.841+/-0.003 χ^2/NDF: 7627956.9/73



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.007 χ^2/NDF:32.3/19

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

Left: 0.005+/-0.005 χ^2/NDF: 57.4/38

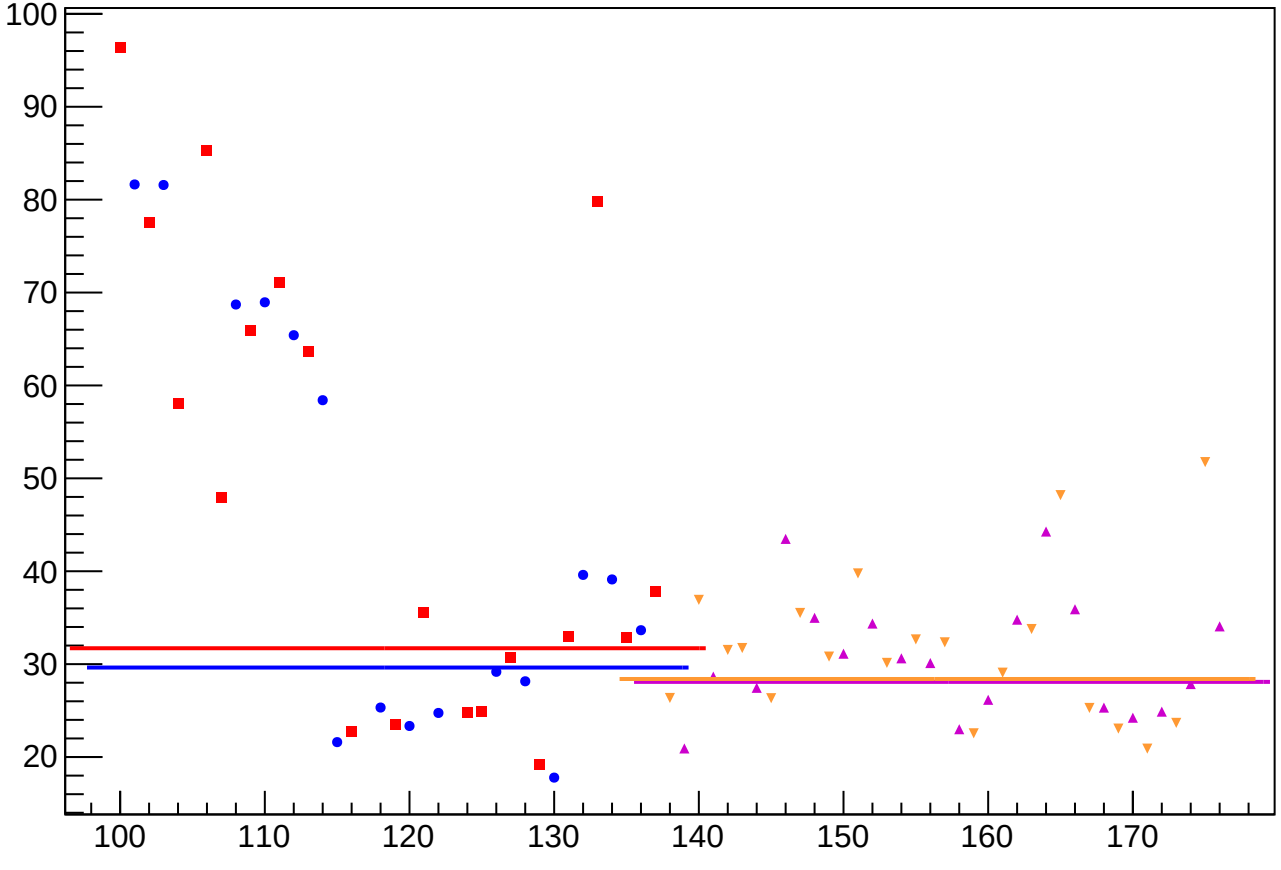
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.003+/-0.007 χ^2/NDF:45.7/38

All: 0.004+/-0.005 χ^2/NDF: 84.1/73

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: 28.400+/-0.005 χ^2/NDF:1396522.9/19

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

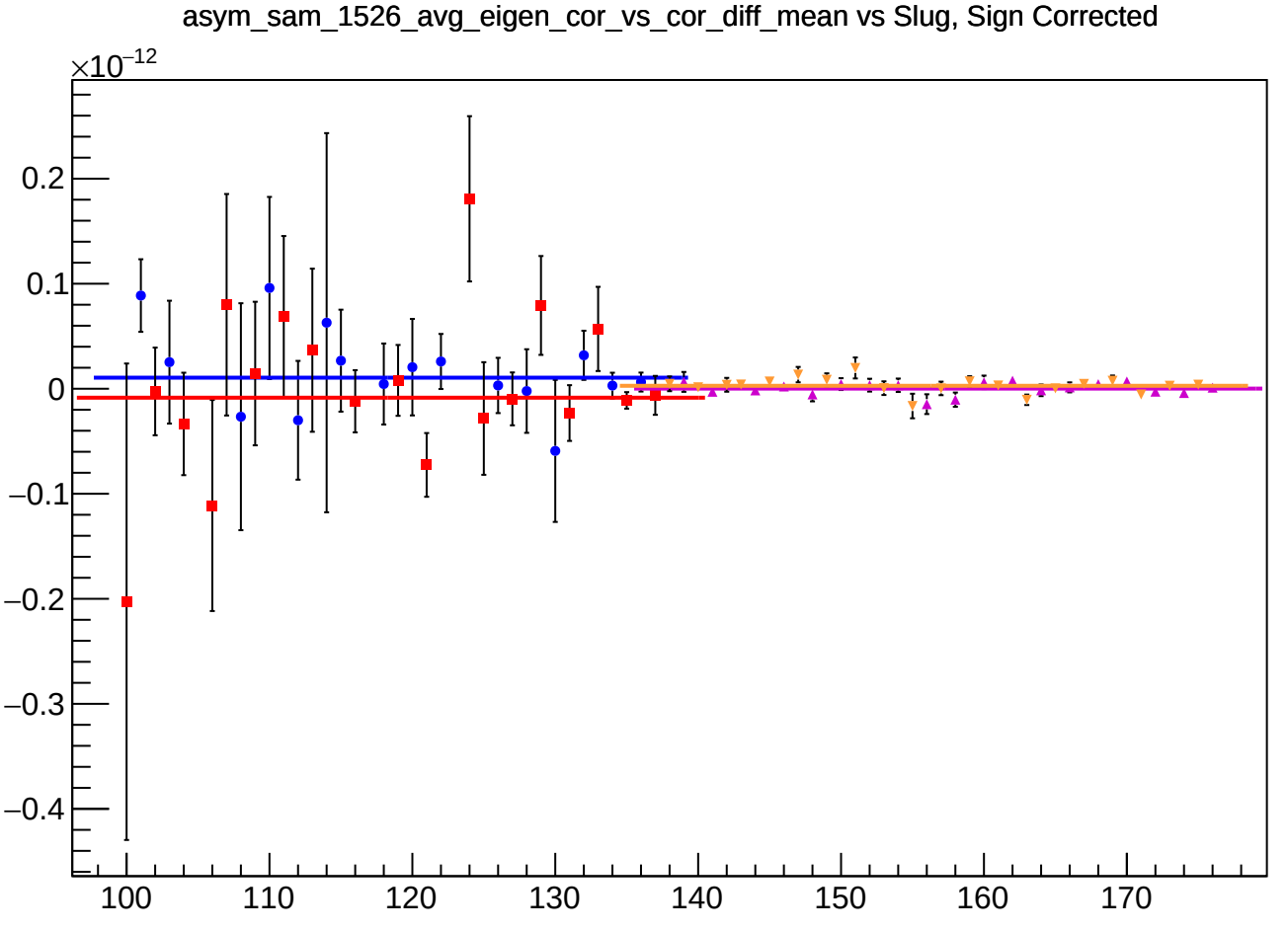
Left: 28.245+/-0.004 χ^2/NDF: 2400241.1/38

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

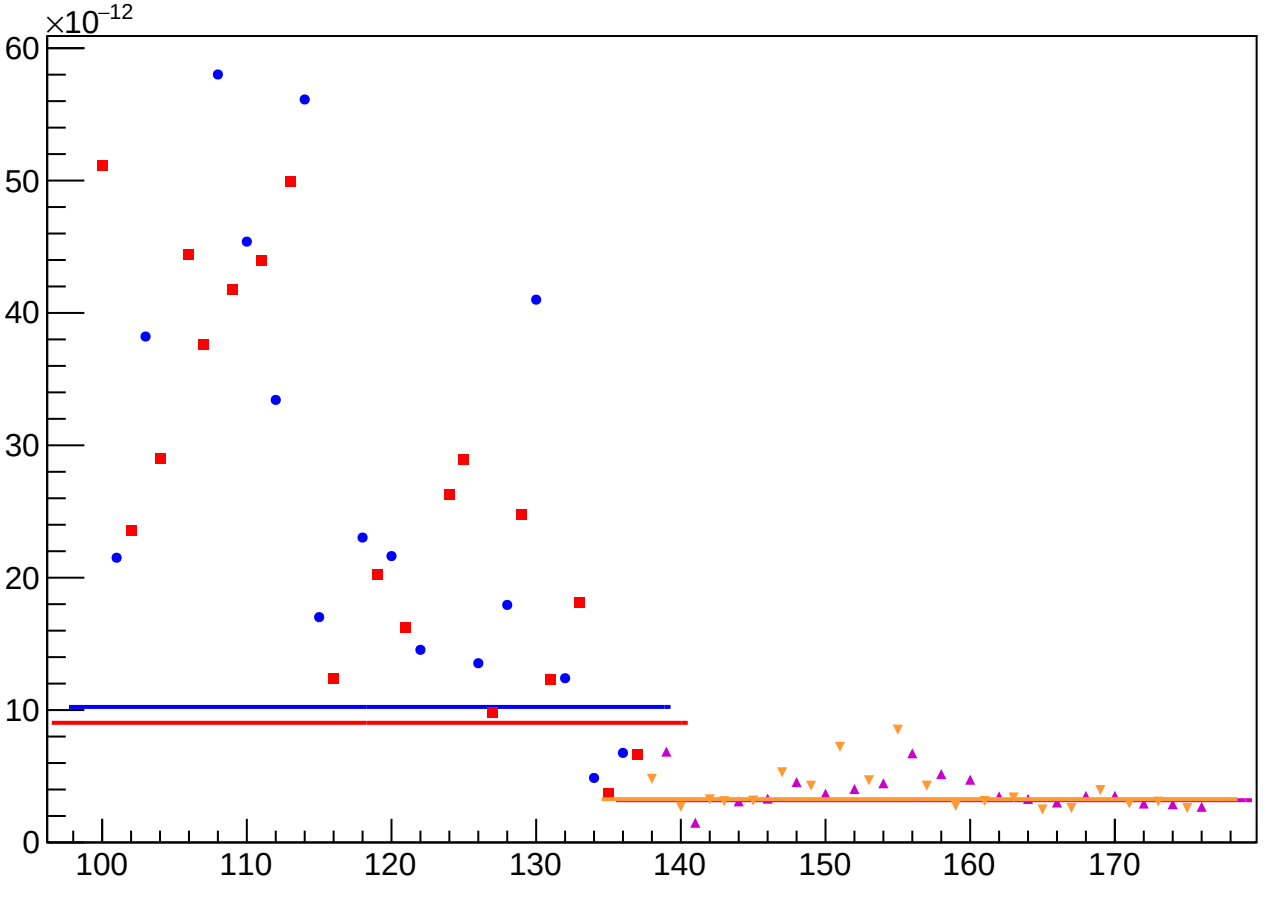
In: 28.493+/-0.005 χ^2/NDF:3472987.7/34

Out: 29.201+/-0.005 χ^2/NDF:4142967.9/38

All: 28.841+/-0.003 χ^2/NDF: 7627956.9/73


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:23.5/19
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:17.4/18
Left: 0.000+/-0.000 χ²/NDF: 43.9/38
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:30.3/34
Out: 0.000+/-0.000 χ²/NDF:48.5/38
All: 0.000+/-0.000 χ²/NDF: 80.5/73

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:1507963.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1975562.9/18

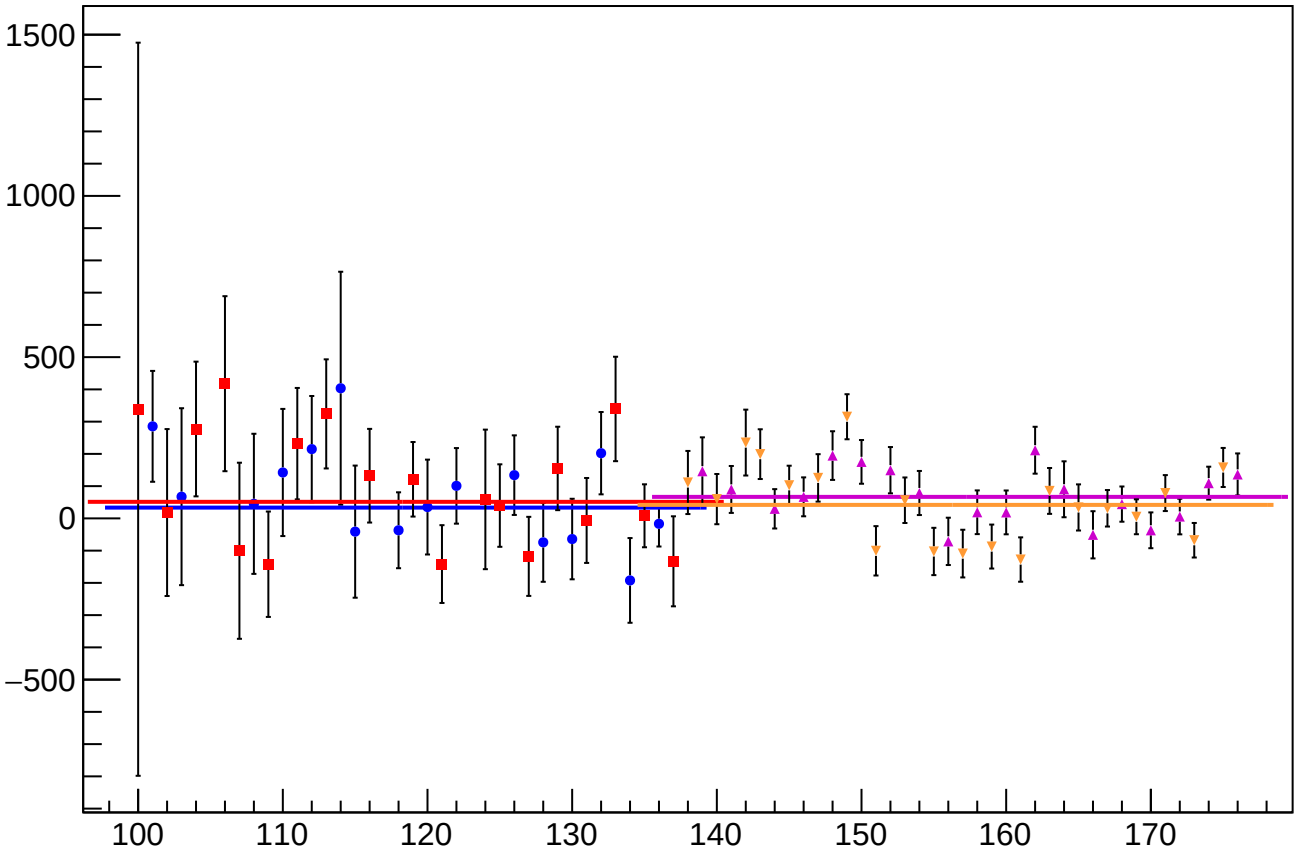
Left: 0.000+/-0.000 χ^2/NDF: 3488972.5/38

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8160932.3/34

Out: 0.000+/-0.000 χ^2/NDF:7855715.3/38

All: 0.000+/-0.000 χ^2/NDF: 16018570.5/73



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.835+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 66.695+/-15.146 χ^2/NDF:25.7/18

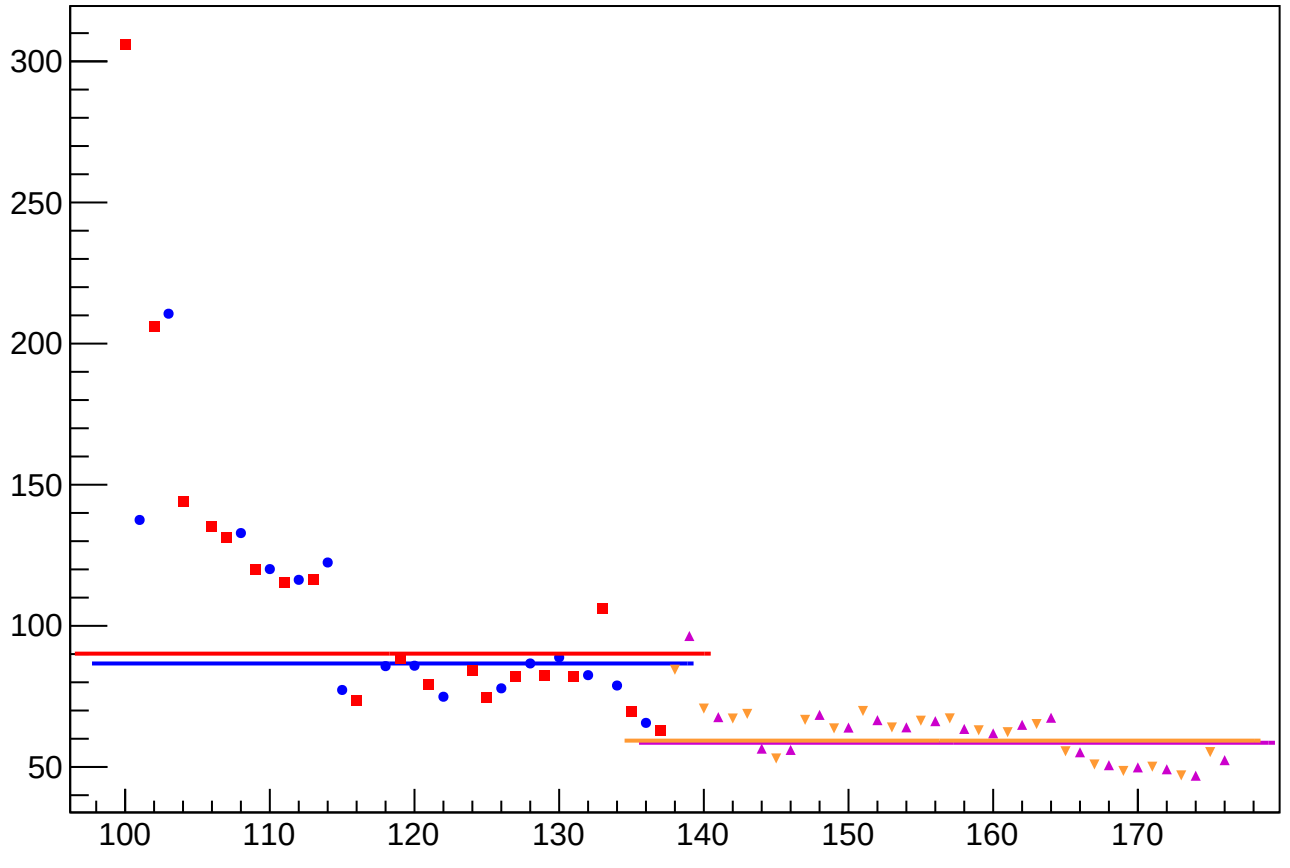
Left: 54.277+/-10.715 χ^2/NDF: 83.3/38

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.154+/-13.827 χ^2/NDF:39.3/34

Out: 43.347+/-13.903 χ^2/NDF:75.9/38

All: 52.299+/-9.804 χ^2/NDF: 116.1/73



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

Left: 58.955+/-0.008 χ^2/NDF: 1407646.7/38

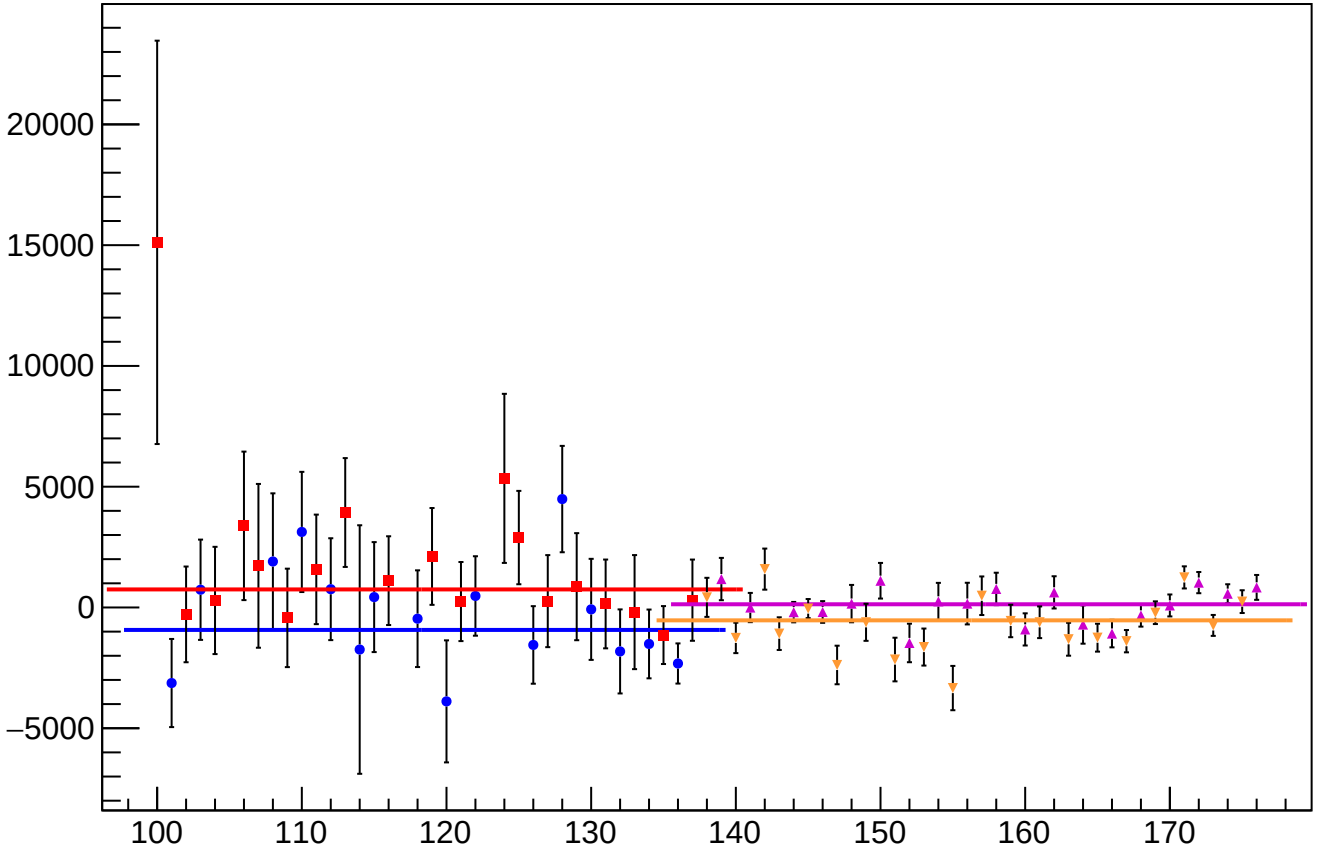
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 63.256+/-0.010 χ^2/NDF:2914689.6/34

Out: 64.239+/-0.010 χ^2/NDF:3140039.0/38

All: 63.745+/-0.007 χ^2/NDF: 6059755.8/73

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -533.232+/-133.053 χ^2/NDF:57.6/19

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 132.461+/-130.100 χ^2/NDF:26.2/18

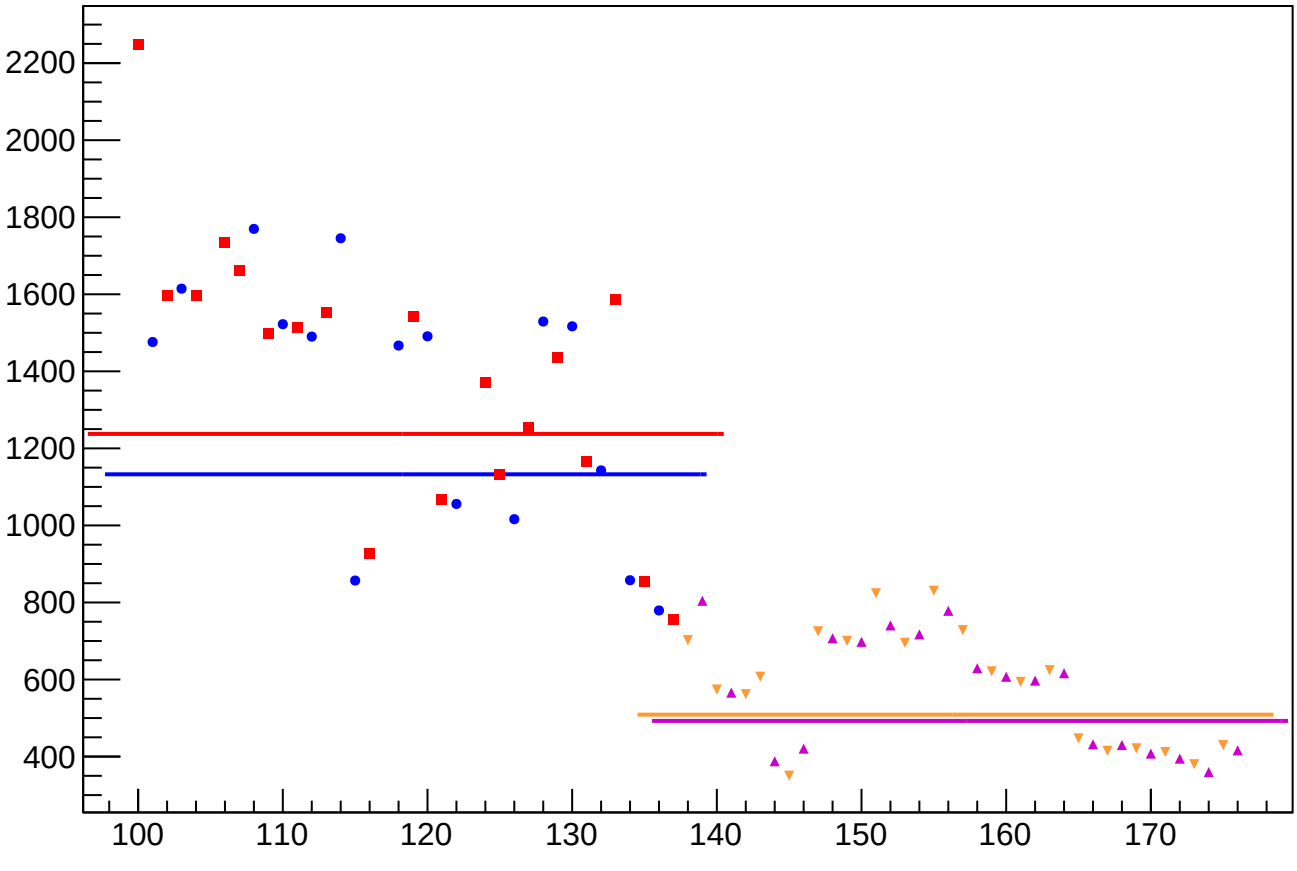
Left: -192.918+/-93.021 χ^2/NDF: 96.6/38

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 47.372+/-124.781 χ^2/NDF:50.0/34

Out: -437.441+/-127.979 χ^2/NDF:77.5/38

All: -188.901+/-89.343 χ^2/NDF: 134.9/73



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 508.818+/-0.094 χ^2/NDF:2181296.7/19

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 492.566+/-0.092 χ^2/NDF:2092428.5/18

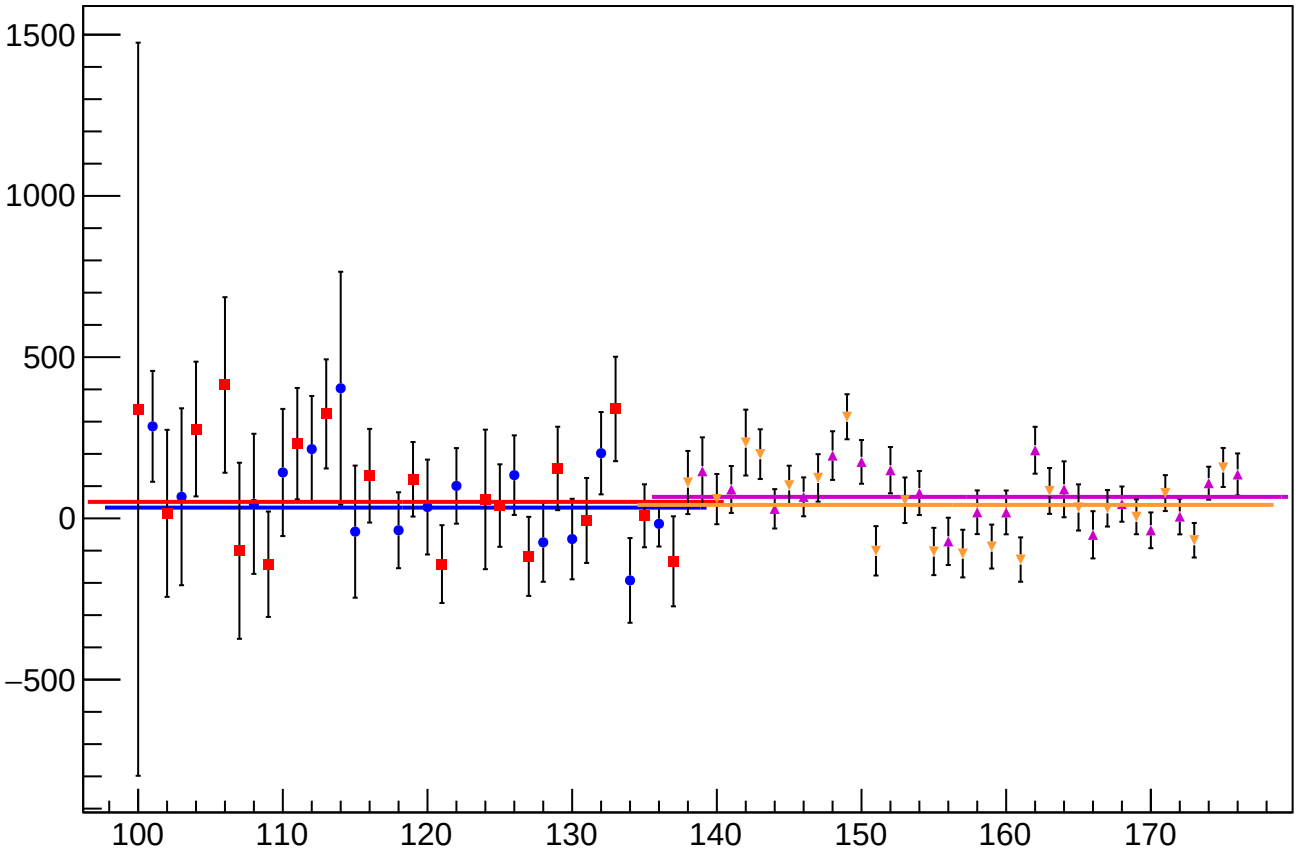
Left: 500.510+/-0.066 χ^2/NDF: 4288978.4/38

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 543.840+/-0.088 χ^2/NDF:7094770.3/34

Out: 563.338+/-0.090 χ^2/NDF:7565457.6/38

All: 553.343+/-0.063 χ^2/NDF: 14684027.1/73



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.693+/-15.146 χ^2/NDF:25.7/18

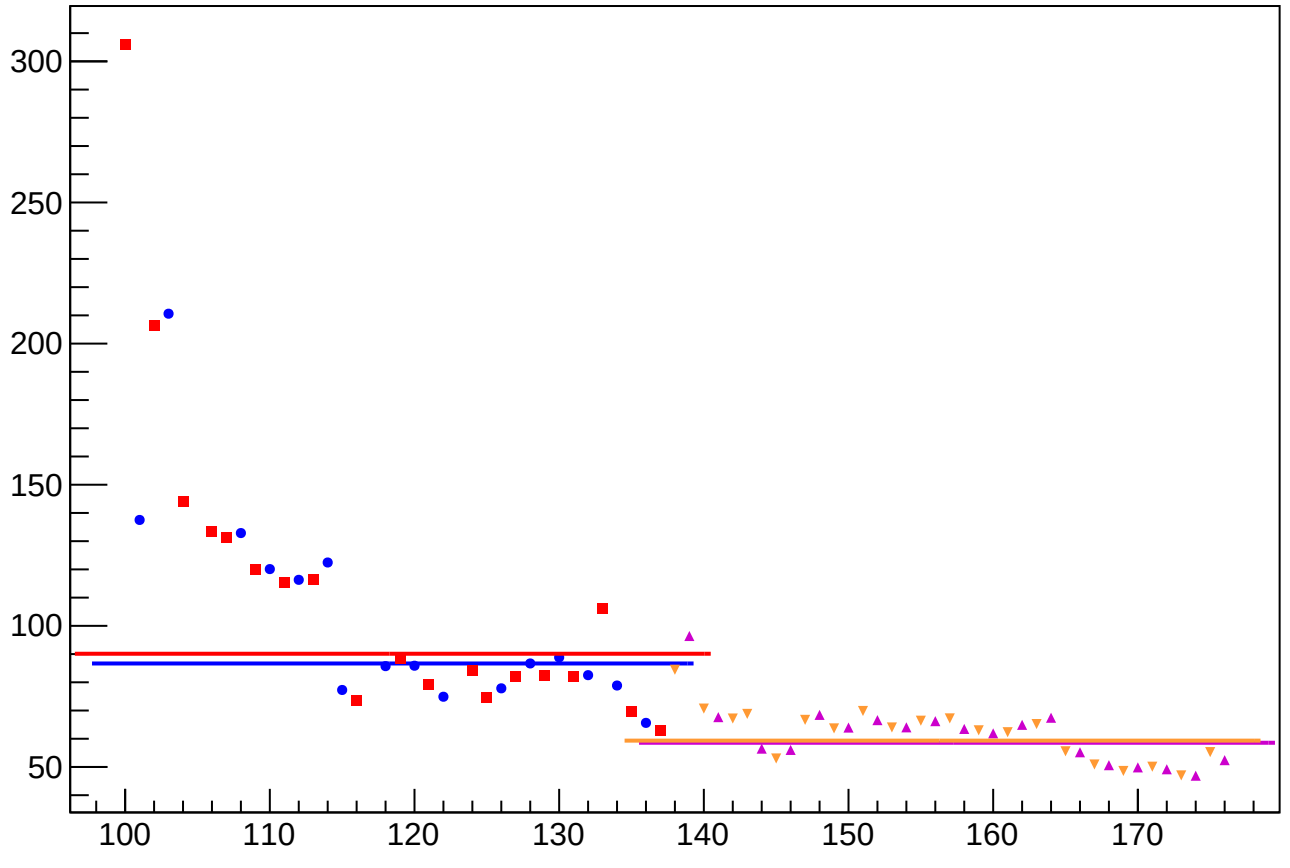
Left: 54.278+/-10.715 χ^2/NDF: 83.3/38

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.152+/-13.827 χ^2/NDF:39.3/34

Out: 43.324+/-13.903 χ^2/NDF:75.9/38

All: 52.287+/-9.804 χ^2/NDF: 116.0/73



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

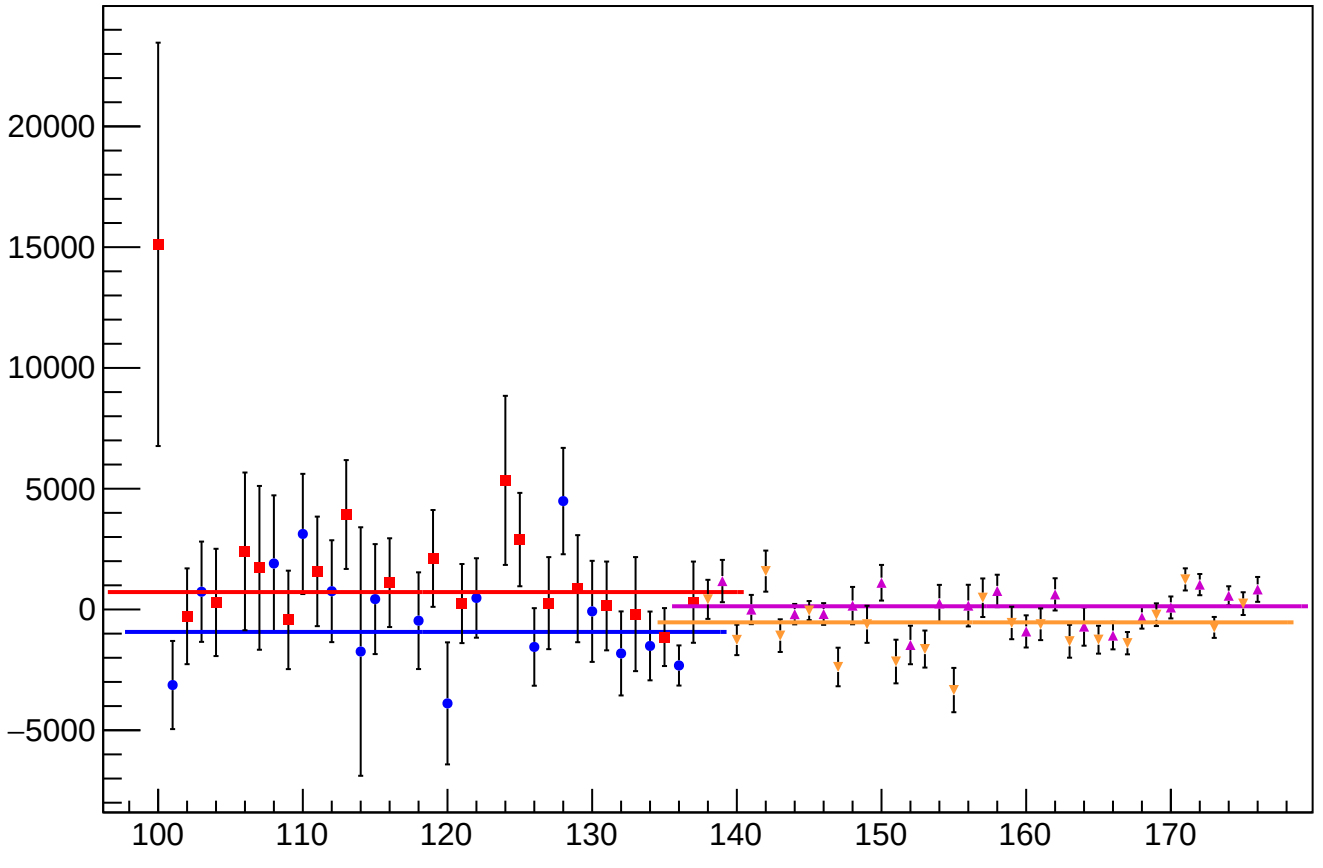
Left: 58.955+/-0.008 χ^2/NDF: 1407646.7/38

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.256+/-0.010 χ^2/NDF:2914691.9/34

Out: 64.232+/-0.010 χ^2/NDF:3132047.4/38

All: 63.741+/-0.007 χ^2/NDF: 6051701.3/73



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -533.230+/-133.053 χ^2/NDF:57.6/19

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 132.459+/-130.100 χ^2/NDF:26.2/18

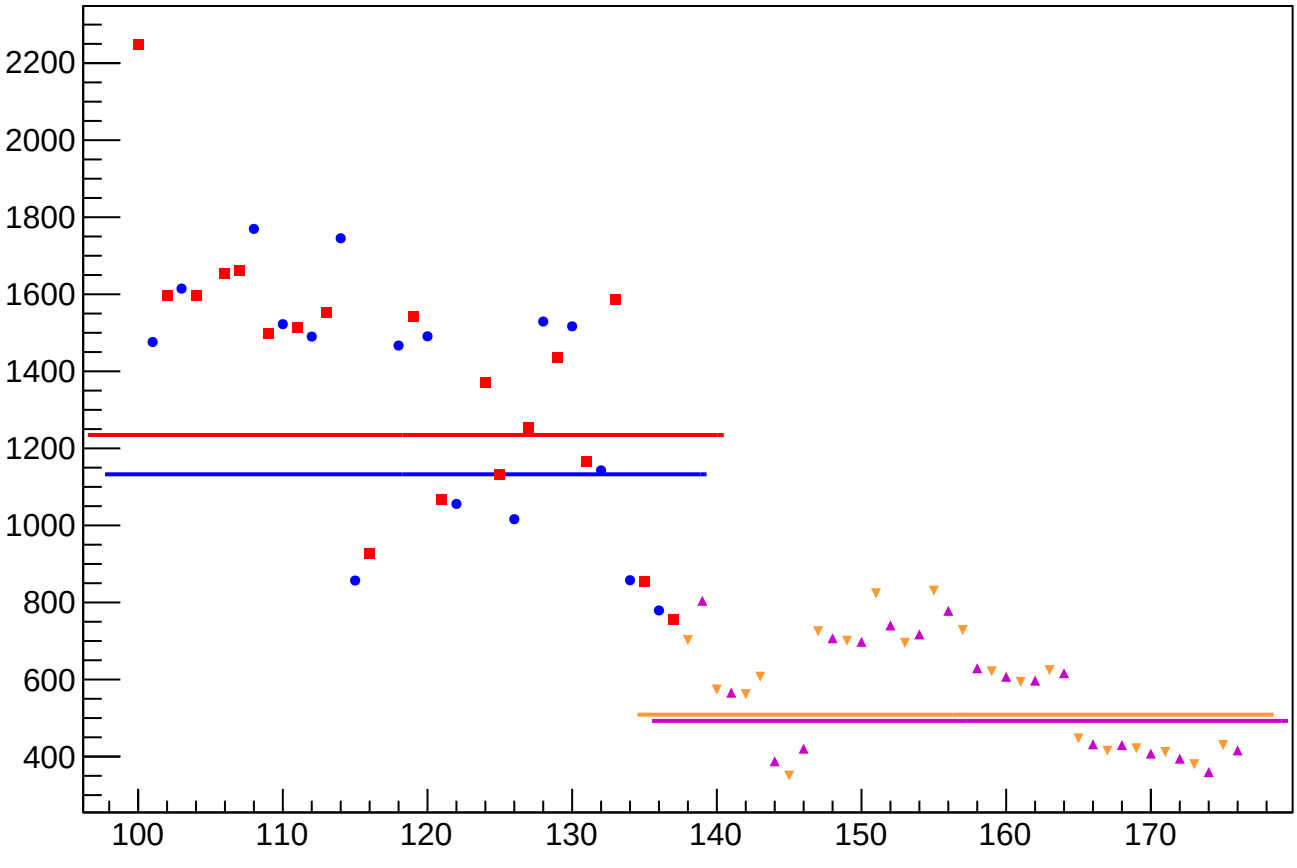
Left: -192.918+/-93.021 χ^2/NDF: 96.6/38

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 47.374+/-124.781 χ^2/NDF:50.0/34

Out: -439.665+/-127.992 χ^2/NDF:76.7/38

All: -189.960+/-89.347 χ^2/NDF: 134.2/73



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

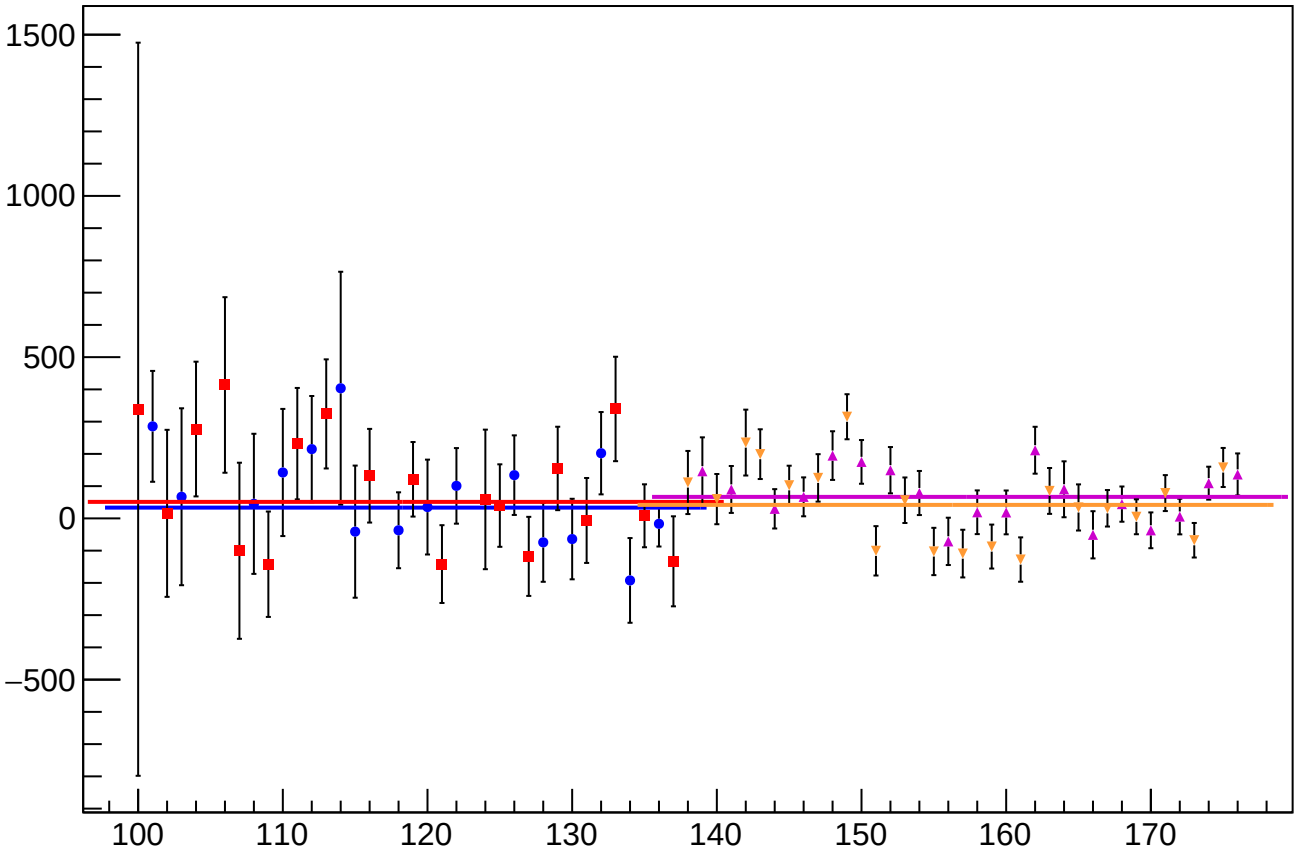
Left: 500.510+/-0.066 χ^2/NDF: 4288983.6/38

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 543.840+/-0.088 χ^2/NDF:7094804.6/34

Out: 562.986+/-0.091 χ^2/NDF:7499778.7/38

All: 553.170+/-0.063 χ^2/NDF: 14617527.5/73



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.836+/-15.162 χ^2/NDF:56.3/19

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.693+/-15.146 χ^2/NDF:25.7/18

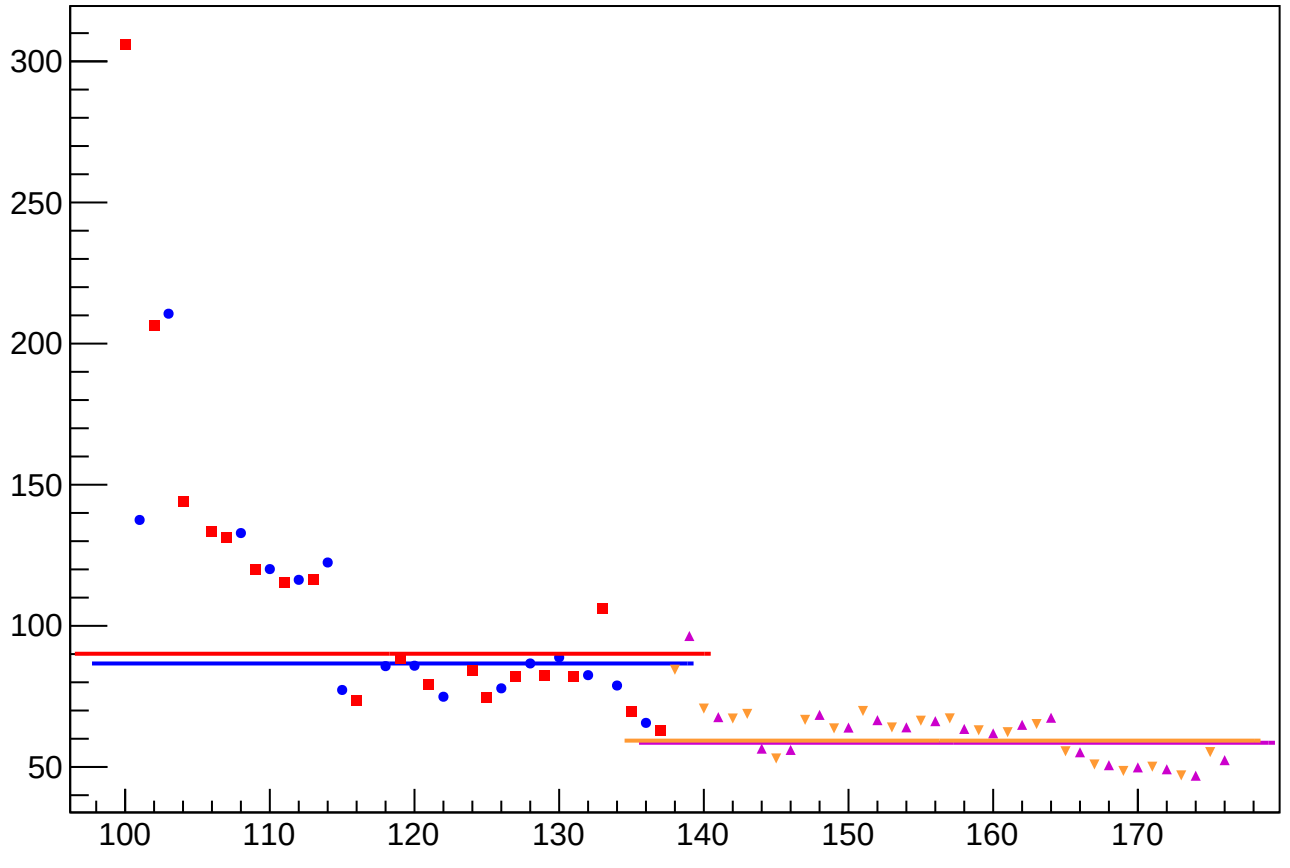
Left: 54.278+/-10.715 χ^2/NDF: 83.3/38

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.152+/-13.827 χ^2/NDF:39.3/34

Out: 43.324+/-13.903 χ^2/NDF:75.9/38

All: 52.287+/-9.804 χ^2/NDF: 116.0/73



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.334+/-0.011 χ^2/NDF:674983.1/19

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

Left: 58.955+/-0.008 χ^2/NDF: 1407646.7/38

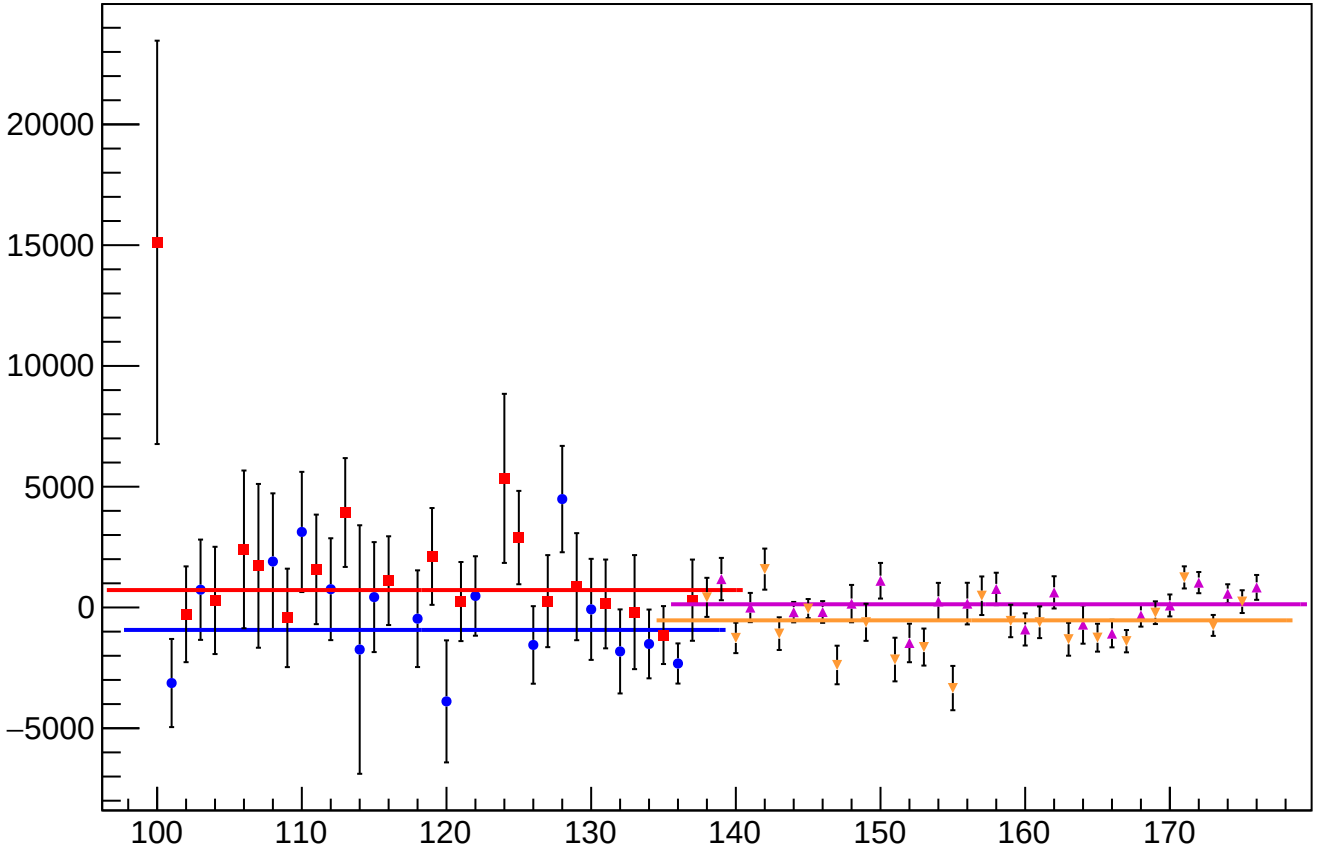
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.256+/-0.010 χ^2/NDF:2914691.9/34

Out: 64.232+/-0.010 χ^2/NDF:3132047.4/38

All: 63.741+/-0.007 χ^2/NDF: 6051701.3/73

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: -533.230+/-133.053 χ^2/NDF:57.6/19

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 132.459+/-130.100 χ^2/NDF:26.2/18

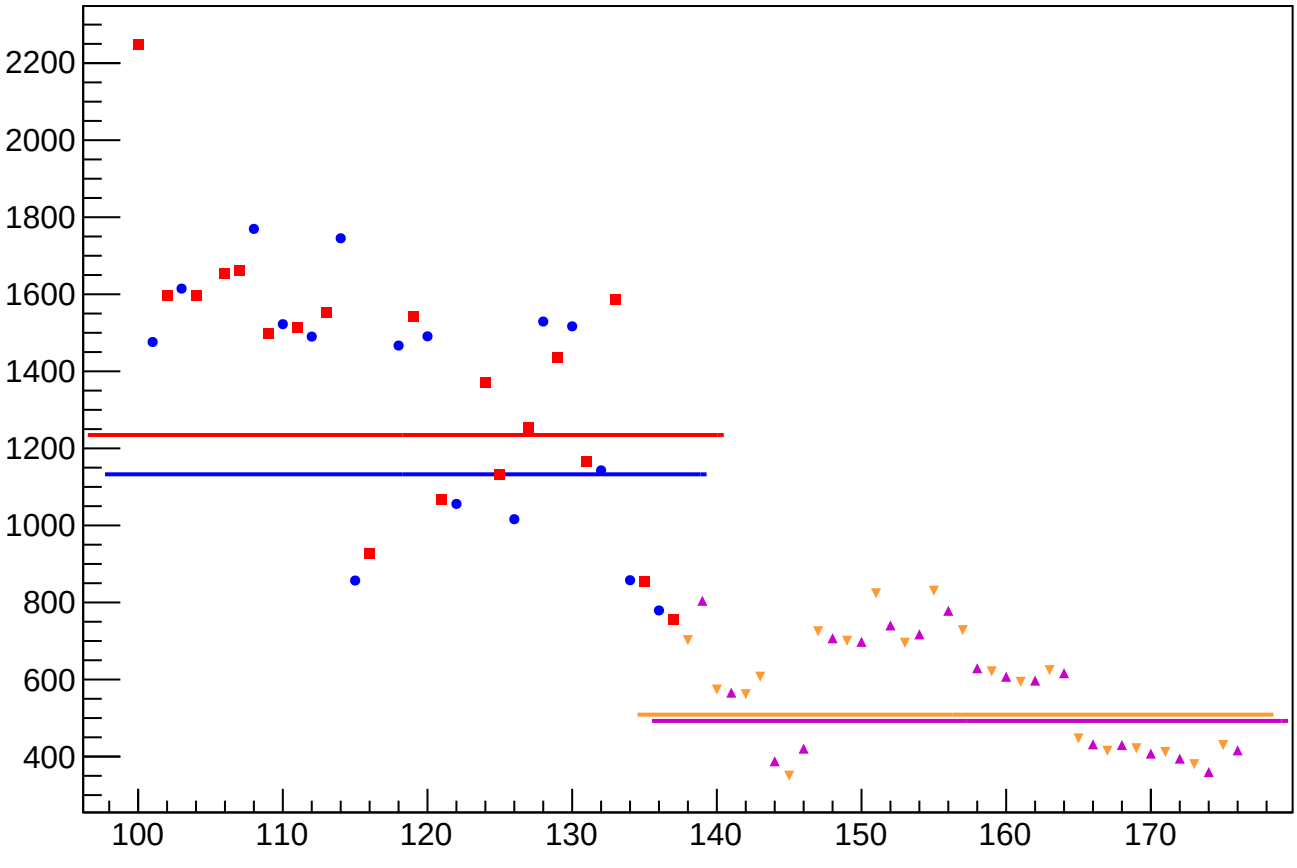
Left: -192.918+/-93.021 χ^2/NDF: 96.6/38

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 47.374+/-124.781 χ^2/NDF:50.0/34

Out: -439.665+/-127.992 χ^2/NDF:76.7/38

All: -189.960+/-89.347 χ^2/NDF: 134.2/73



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 508.817+/-0.094 χ^2/NDF:2181300.5/19

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

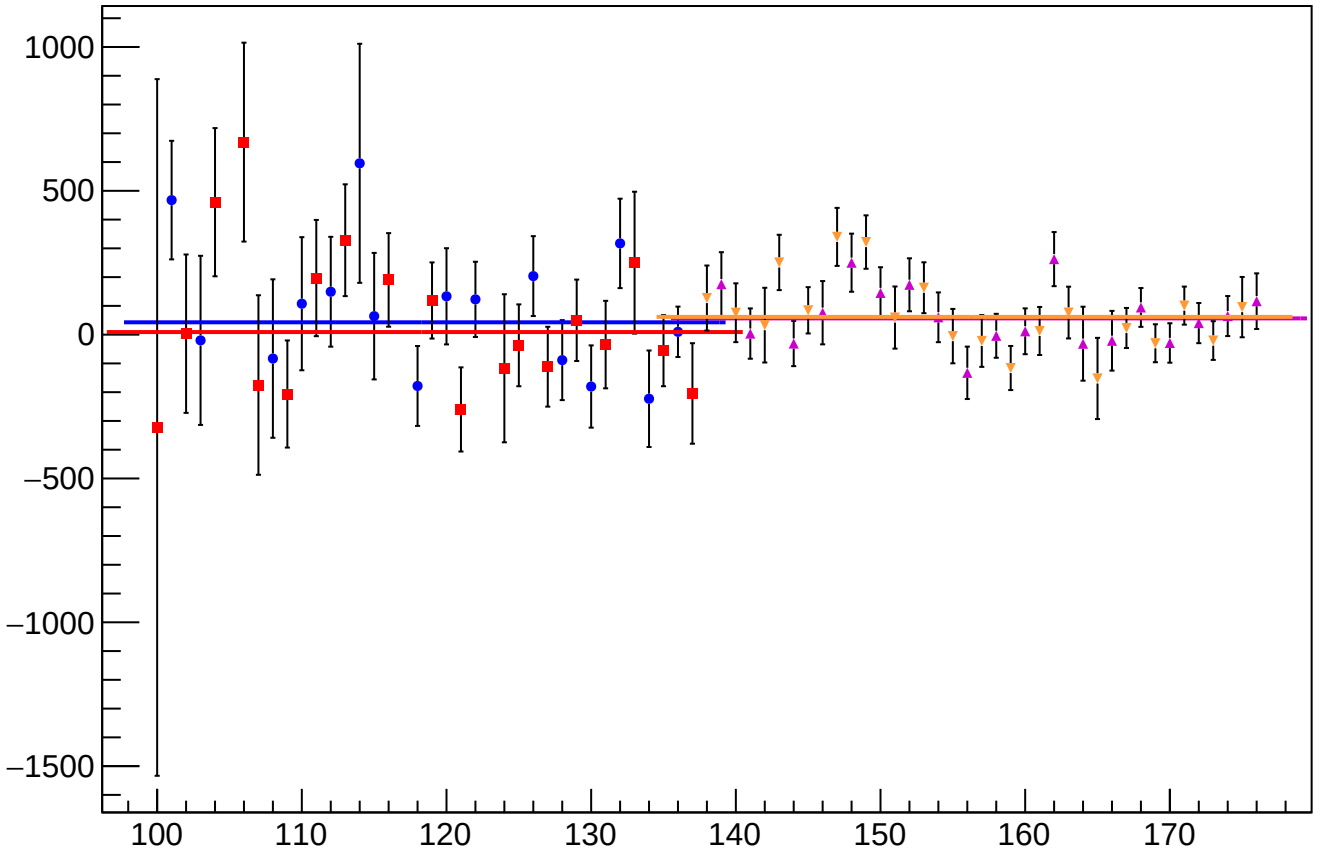
Left: 500.510+/-0.066 χ^2/NDF: 4288983.6/38

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 543.840+/-0.088 χ^2/NDF:7094804.6/34

Out: 562.986+/-0.091 χ^2/NDF:7499778.7/38

All: 553.170+/-0.063 χ^2/NDF: 14617527.5/73



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.765+/-19.528 χ^2/NDF:34.7/19

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 56.506+/-19.620 χ^2/NDF:22.5/18

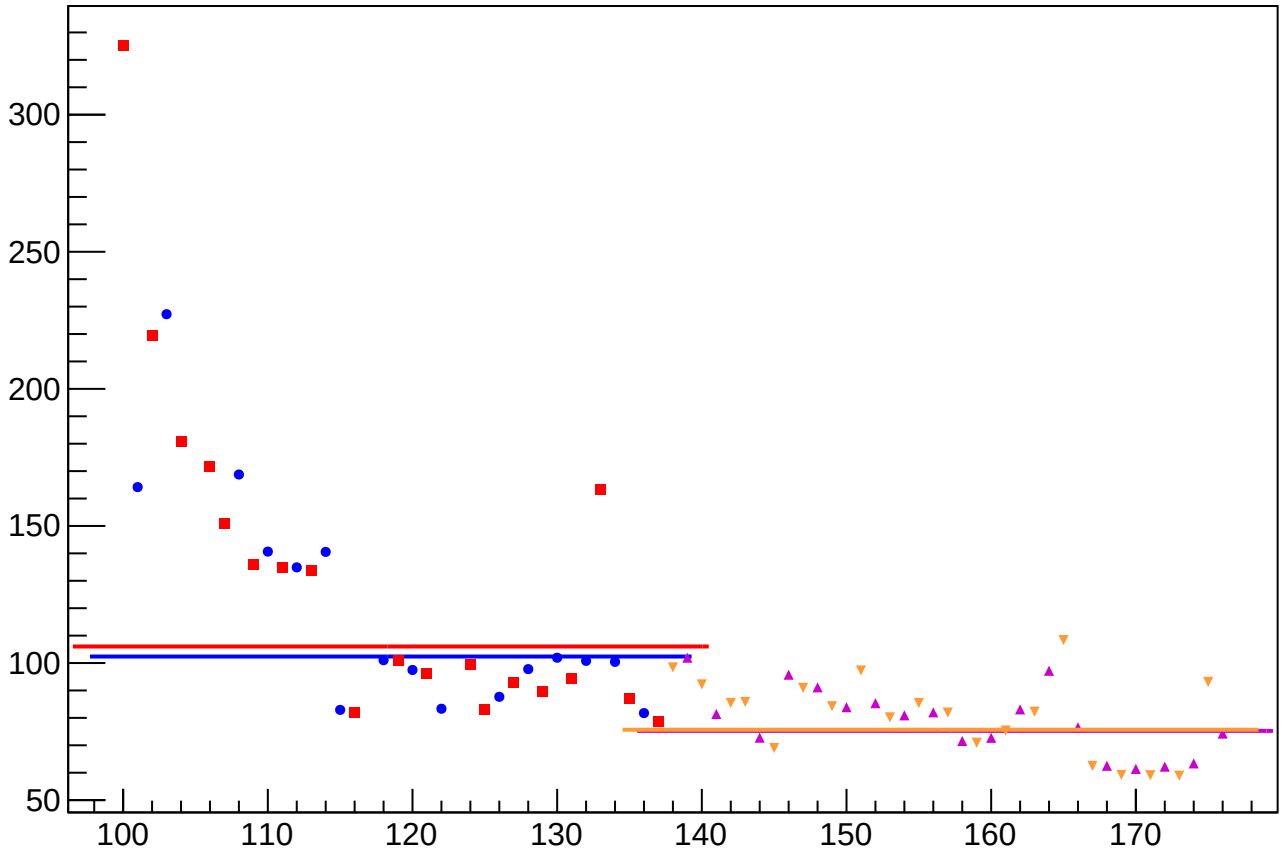
Left: 59.148+/-13.841 χ^2/NDF: 57.2/38

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 53.865+/-17.611 χ^2/NDF:42.9/34

Out: 52.029+/-17.635 χ^2/NDF:57.4/38

All: 52.948+/-12.461 χ^2/NDF: 100.3/73



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.679+/-0.014 χ^2/NDF:986417.9/19

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.258+/-0.014 χ^2/NDF:668251.7/18

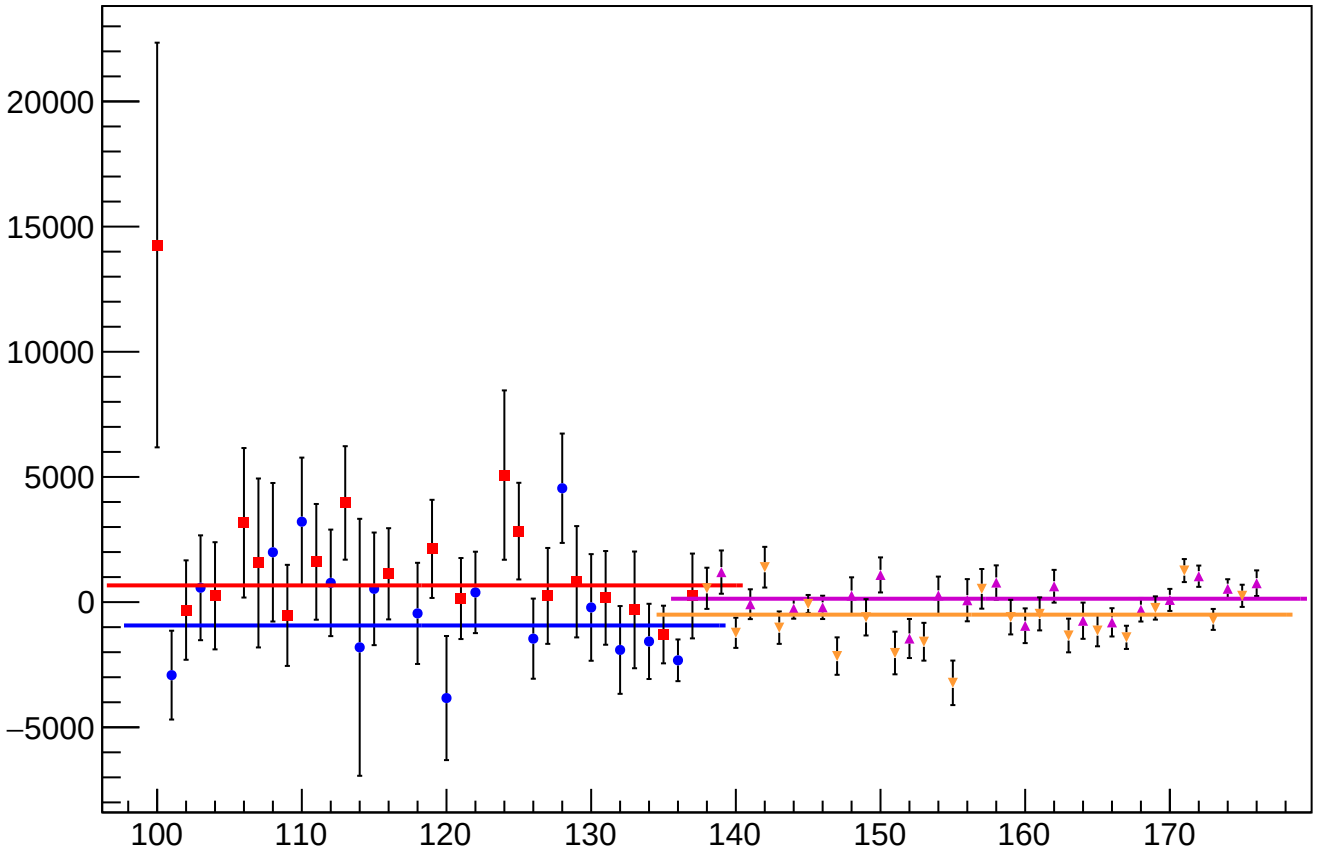
Left: 75.469+/-0.010 χ^2/NDF: 1655130.8/38

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.529+/-0.012 χ^2/NDF:2393206.3/34

Out: 81.278+/-0.012 χ^2/NDF:3069102.0/38

All: 80.903+/-0.009 χ^2/NDF: 5464114.9/73



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 135.391+/-127.717 χ^2/NDF:25.3/18

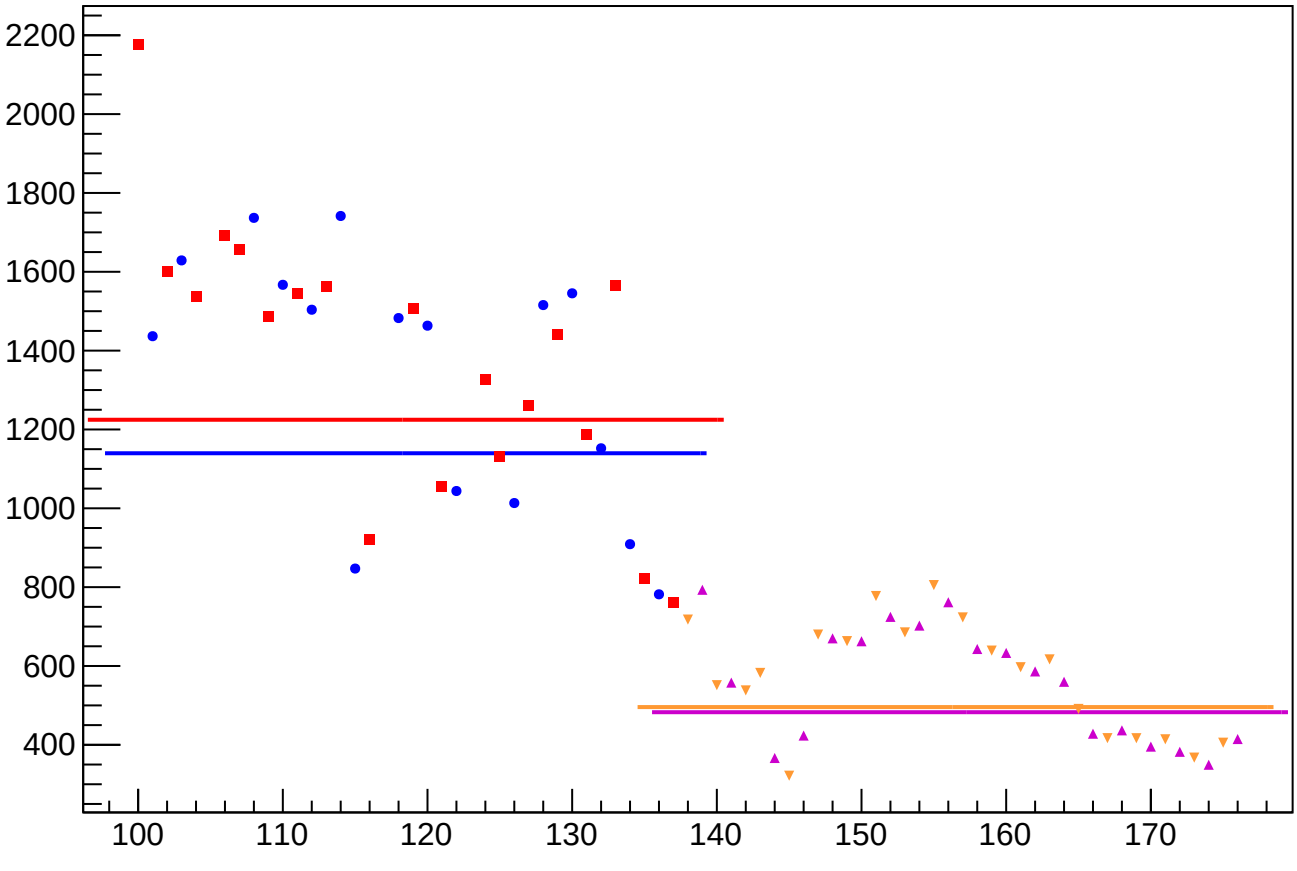
Left: -177.689+/-90.975 χ^2/NDF: 93.9/38

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 53.357+/-122.713 χ^2/NDF:49.2/34

Out: -415.297+/-124.824 χ^2/NDF:75.7/38

All: -176.973+/-87.508 χ^2/NDF: 132.1/73



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 495.761+/-0.092 χ^2/NDF:2300758.5/19

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 482.751+/-0.090 χ^2/NDF:2122725.0/18

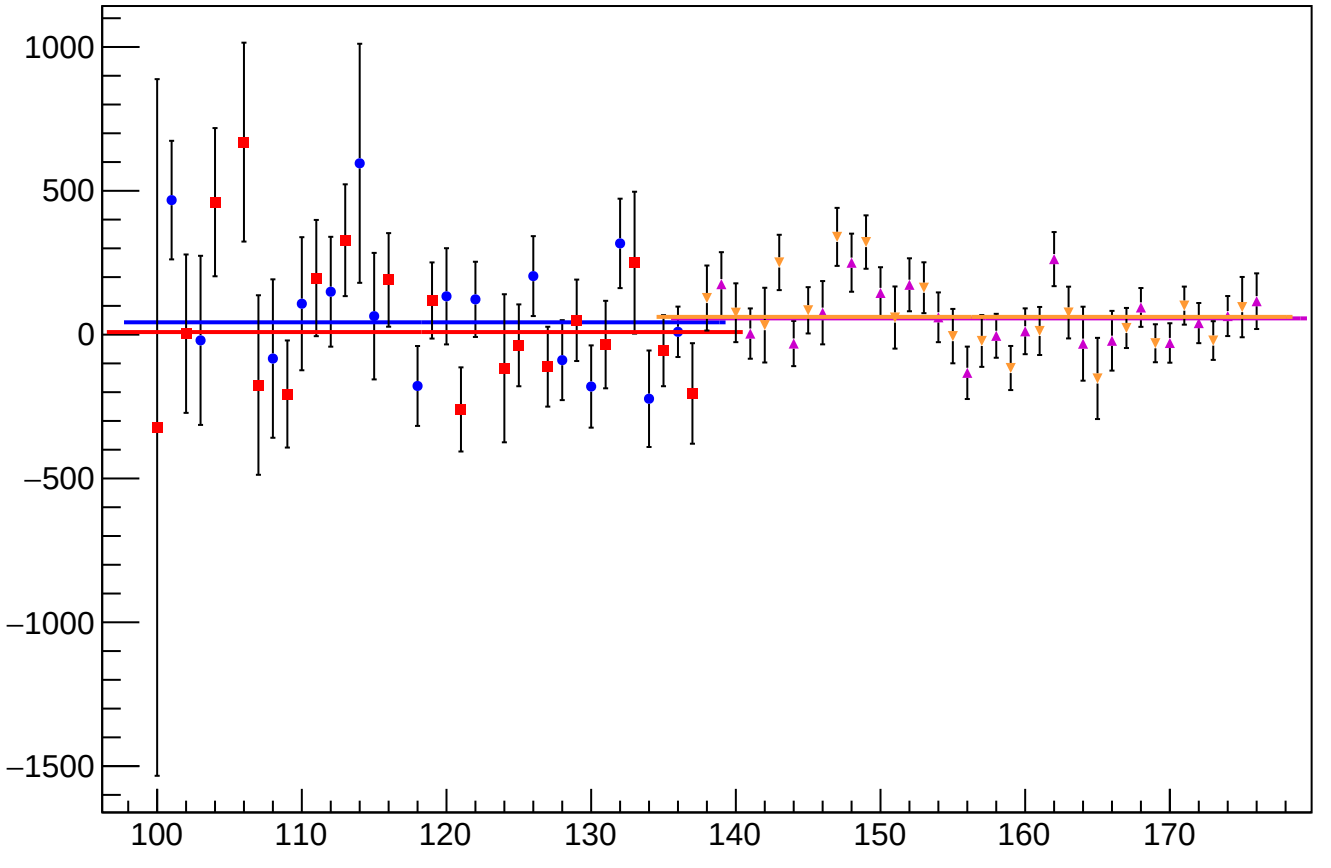
Left: 489.160+/-0.064 χ^2/NDF: 4433708.1/38

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 533.219+/-0.087 χ^2/NDF:7281071.3/34

Out: 548.690+/-0.088 χ^2/NDF:7815496.5/38

All: 540.823+/-0.062 χ^2/NDF: 15112191.9/73



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 61.764+/-19.528 χ^2/NDF:34.7/19

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 56.505+/-19.620 χ^2/NDF:22.5/18

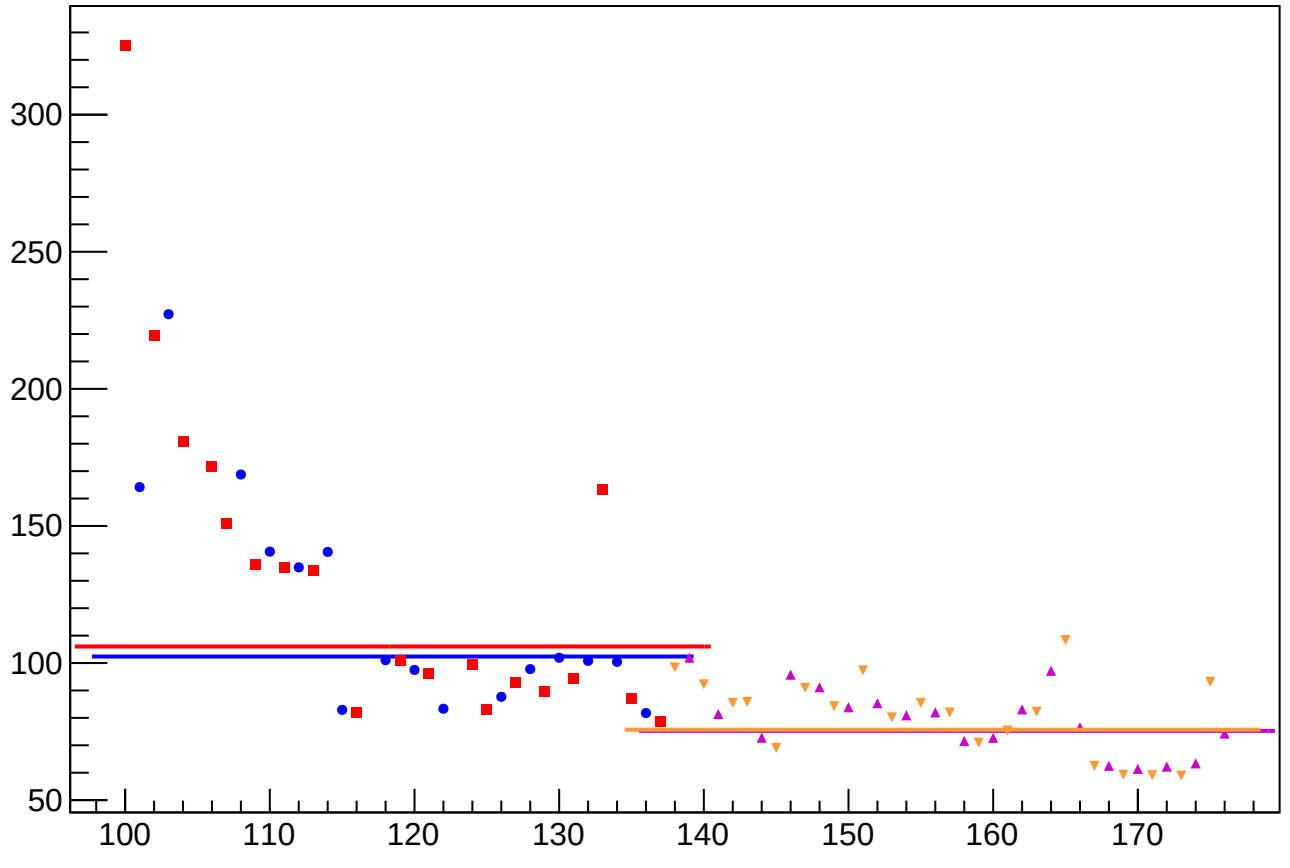
Left: 59.147+/-13.841 χ^2/NDF: 57.2/38

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 53.864+/-17.611 χ^2/NDF:42.9/34

Out: 52.028+/-17.635 χ^2/NDF:57.4/38

All: 52.947+/-12.461 χ^2/NDF: 100.3/73



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.679+/-0.014 χ^2/NDF:986416.8/19

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.258+/-0.014 χ^2/NDF:668247.7/18

Left: 75.470+/-0.010 χ^2/NDF: 1655125.4/38

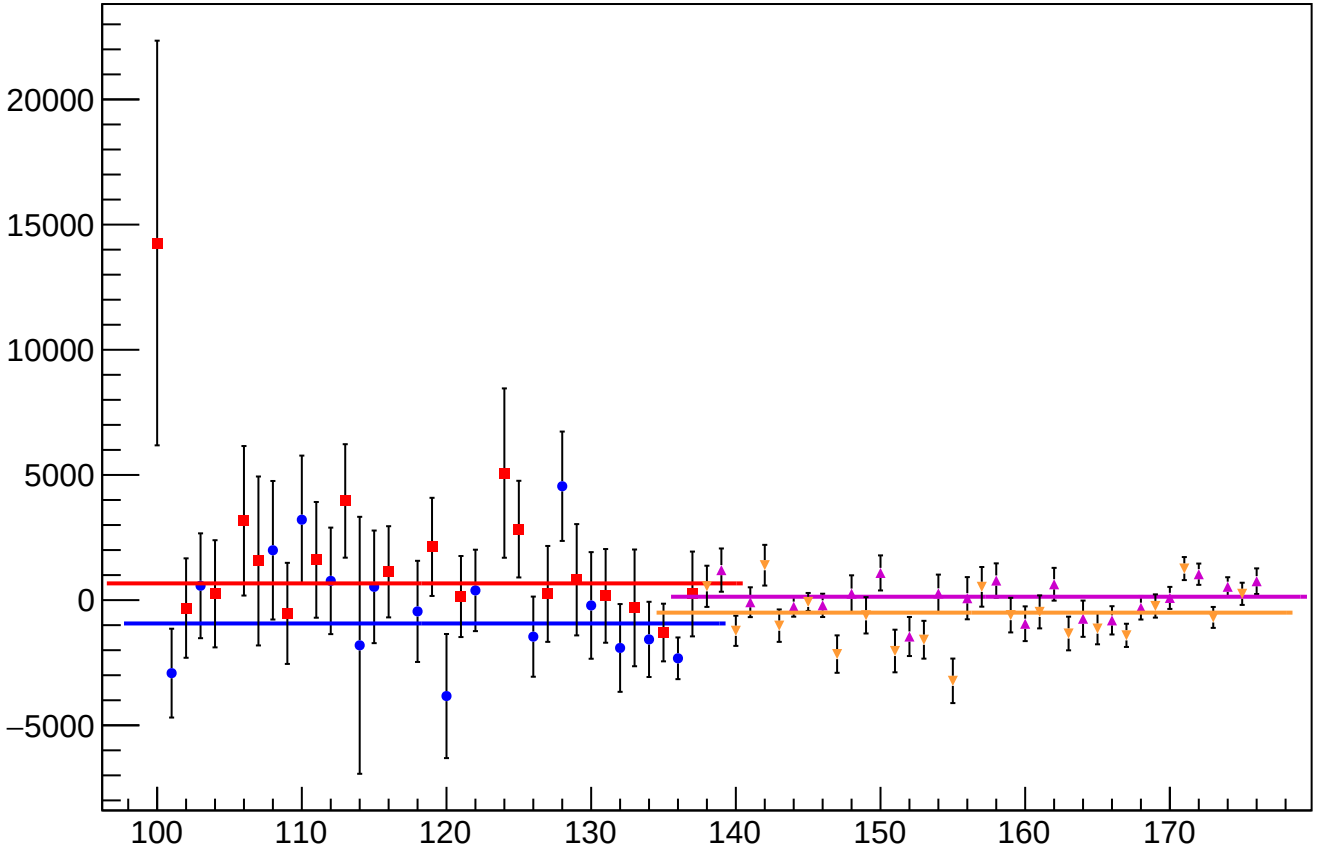
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.529+/-0.012 χ^2/NDF:2393169.9/34

Out: 81.278+/-0.012 χ^2/NDF:3069084.7/38

All: 80.903+/-0.009 χ^2/NDF: 5464060.9/73

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -500.163+/-129.619 χ^2/NDF:56.3/19

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 135.390+/-127.717 χ^2/NDF:25.3/18

Left: -177.689+/-90.975 χ^2/NDF: 93.9/38

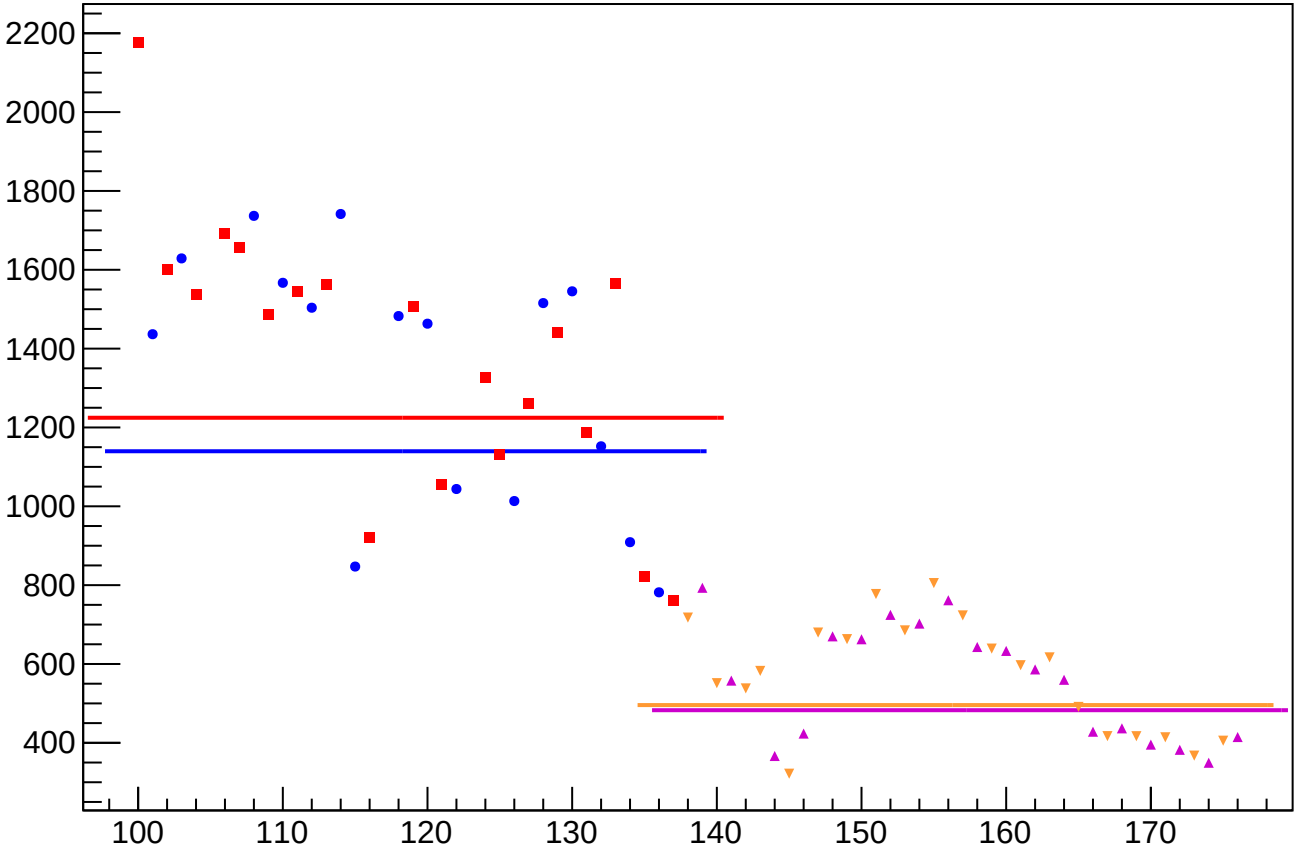
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 53.356+/-122.713 χ^2/NDF:49.2/34

Out: -415.296+/-124.824 χ^2/NDF:75.7/38

All: -176.973+/-87.508 χ^2/NDF: 132.1/73

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: 495.761+/-0.092 χ^2/NDF:2300764.4/19

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 482.750+/-0.090 χ^2/NDF:2122718.1/18

Left: 489.160+/-0.064 χ^2/NDF: 4433706.3/38

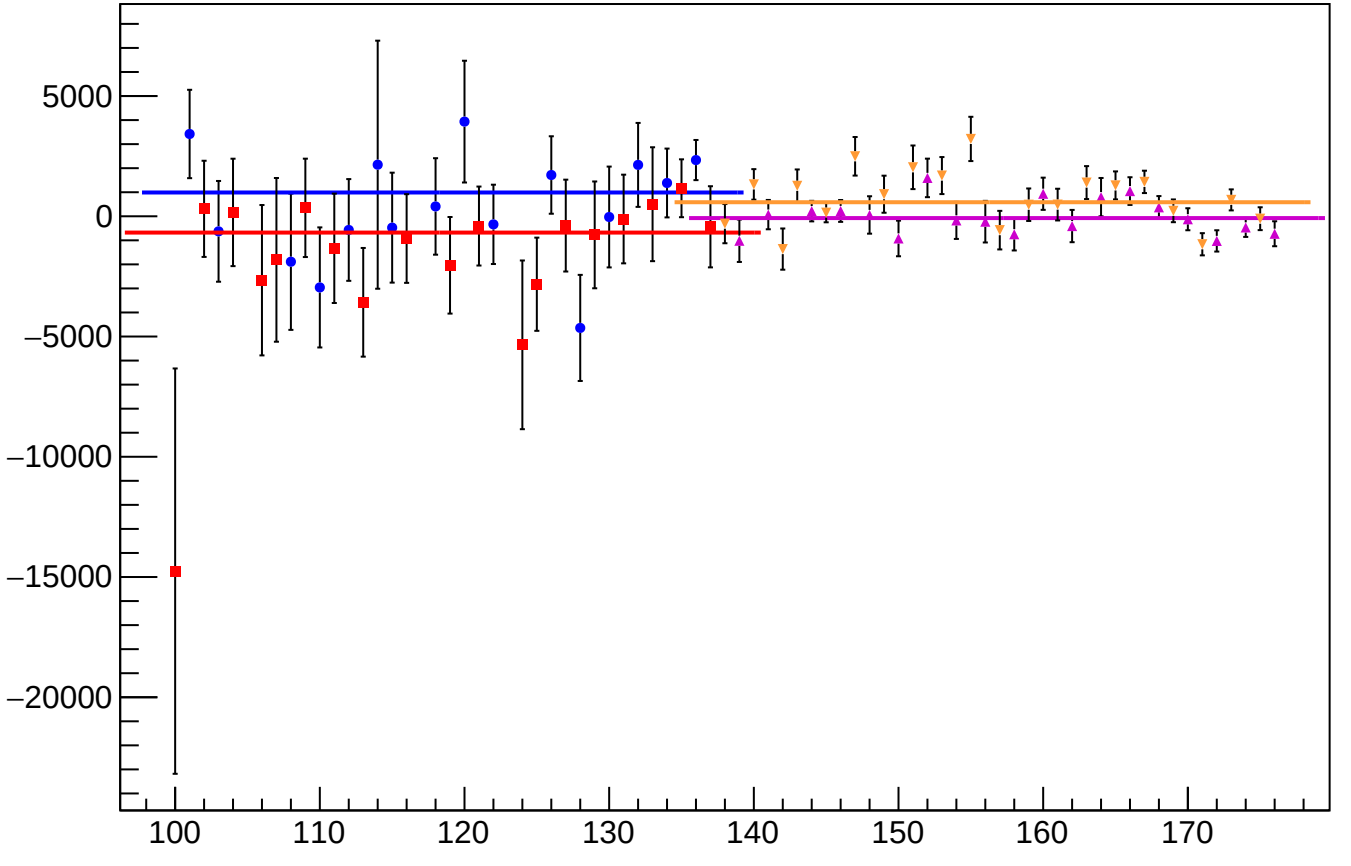
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 533.219+/-0.087 χ^2/NDF:7281048.6/34

Out: 548.690+/-0.088 χ^2/NDF:7815491.8/38

All: 540.822+/-0.062 χ^2/NDF: 15112163.5/73

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 584.464+/-134.028 χ^2/NDF:54.0/19

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -74.817+/-131.106 χ^2/NDF:24.4/18

Left: 247.558+/-93.722 χ^2/NDF: 90.7/38

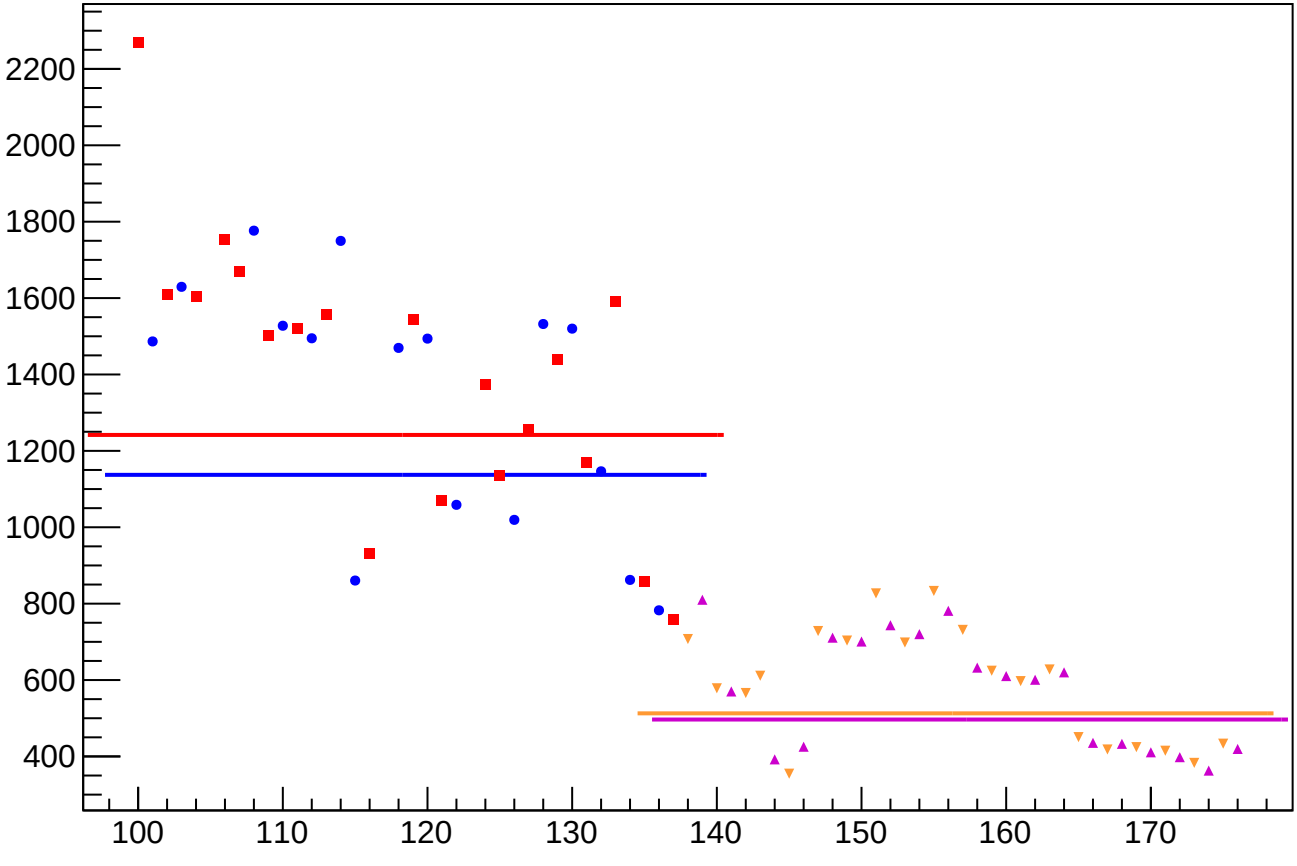
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 11.012+/-125.707 χ^2/NDF:48.8/34

Out: 489.420+/-128.882 χ^2/NDF:72.5/38

All: 244.250+/-89.990 χ^2/NDF: 128.4/73

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 512.798+/-0.095 χ^2/NDF:2152049.1/19

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 496.609+/-0.093 χ^2/NDF:2065797.7/18

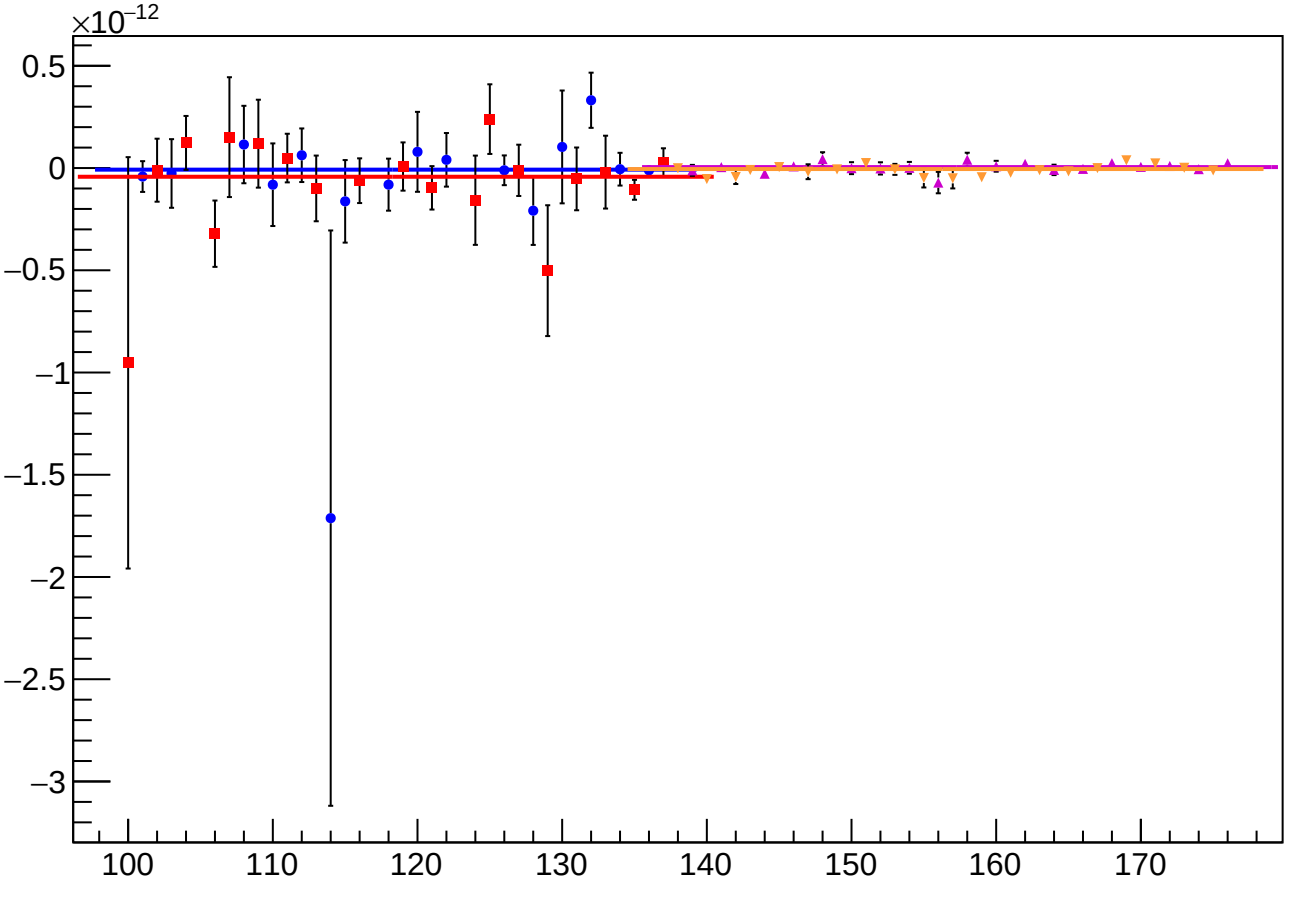
Left: 504.525+/-0.066 χ^2/NDF: 4232757.8/38

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 548.277+/-0.089 χ^2/NDF:7040778.7/34

Out: 567.690+/-0.091 χ^2/NDF:7506233.8/38

All: 557.742+/-0.064 χ^2/NDF: 14570265.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

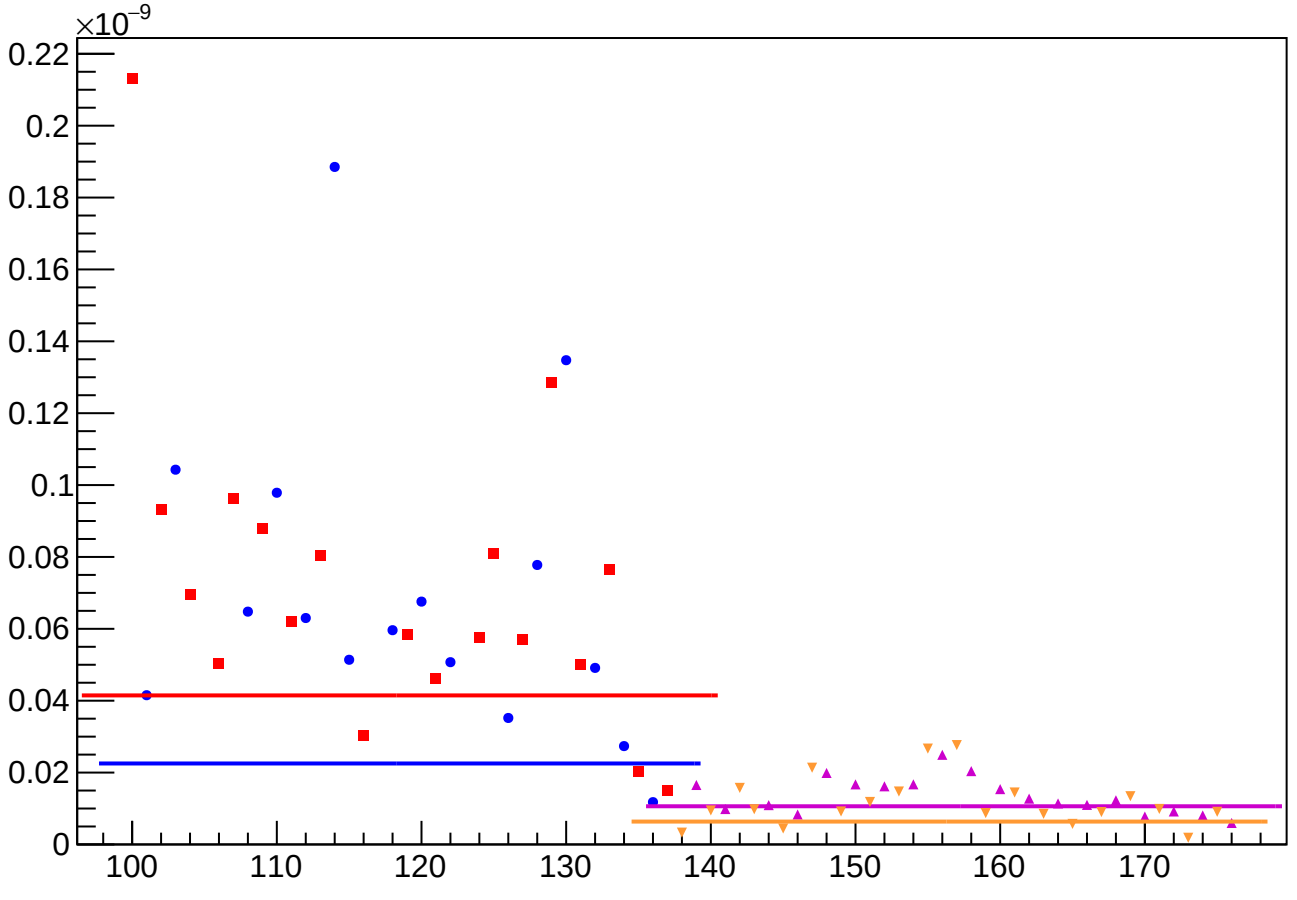
Left: -0.000+/-0.000 χ^2/NDF: 42.6/38

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.3/34

Out: -0.000+/-0.000 χ^2/NDF:44.3/38

All: -0.000+/-0.000 χ^2/NDF: 72.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3677876.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1340220.4/18

Left: 0.000+/-0.000 χ^2/NDF: 6096683.3/38

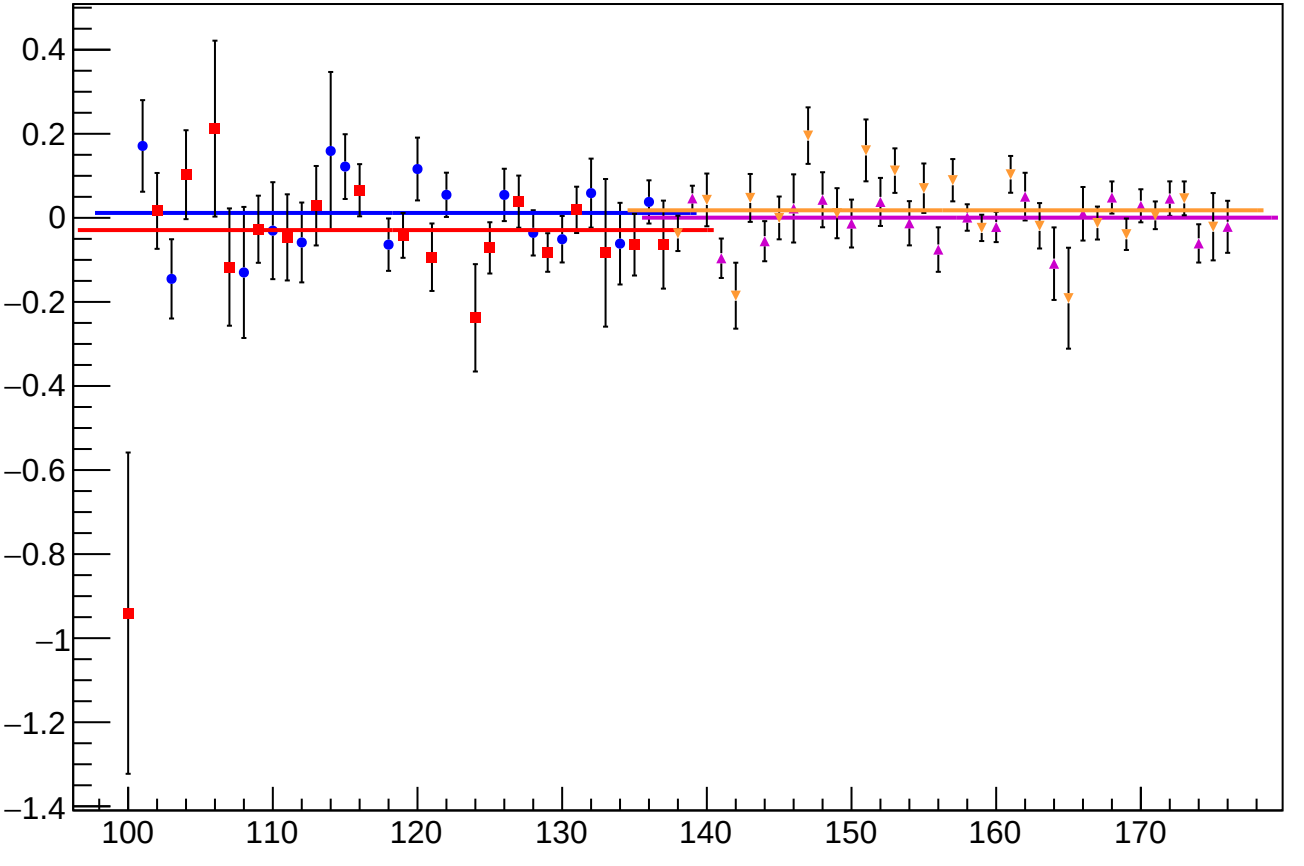
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:5069612.5/34

Out: 0.000+/-0.000 χ^2/NDF:8838787.4/38

All: 0.000+/-0.000 χ^2/NDF: 15208702.0/73

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: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

Left: 0.009+/-0.008 χ^2/NDF: 59.0/38

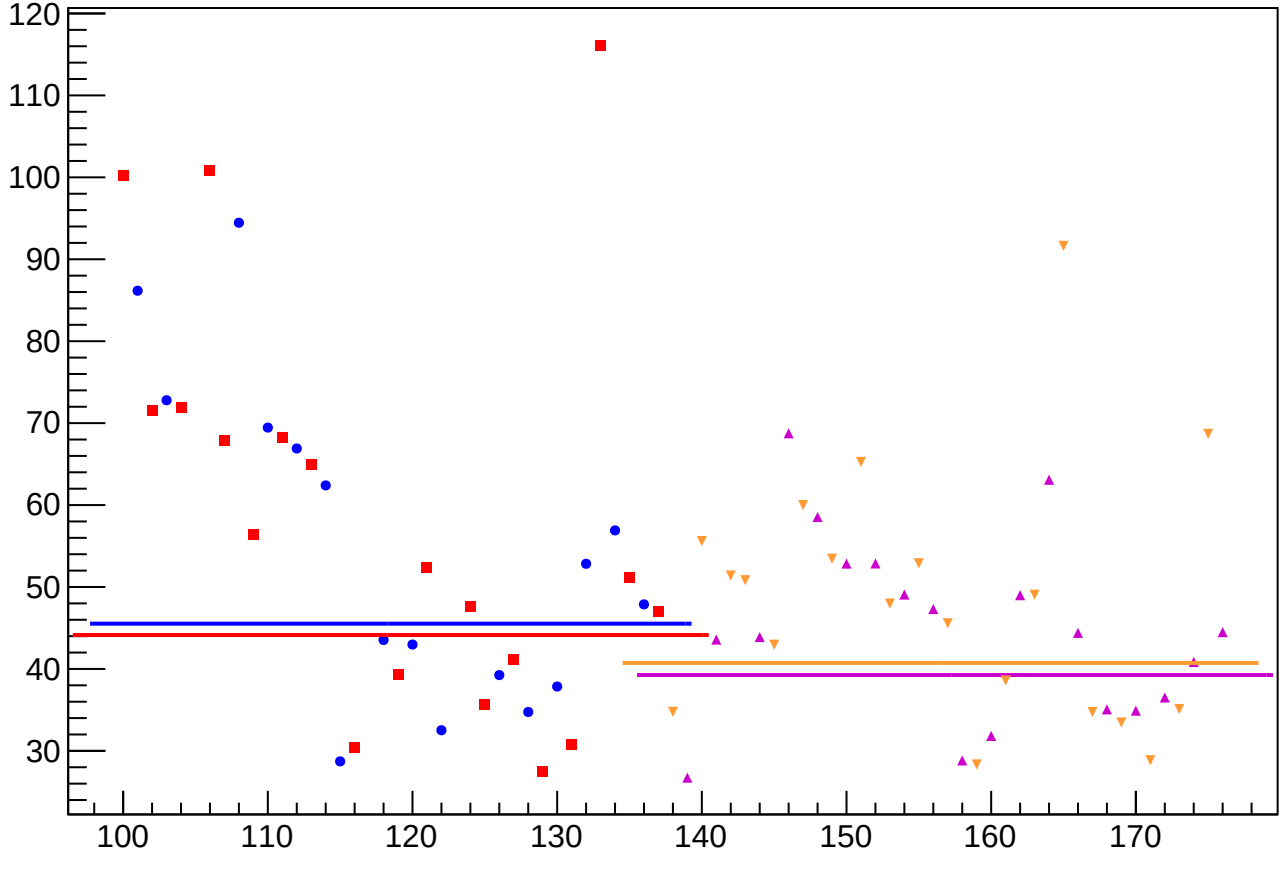
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.004+/-0.007 χ^2/NDF: 99.4/73

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: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

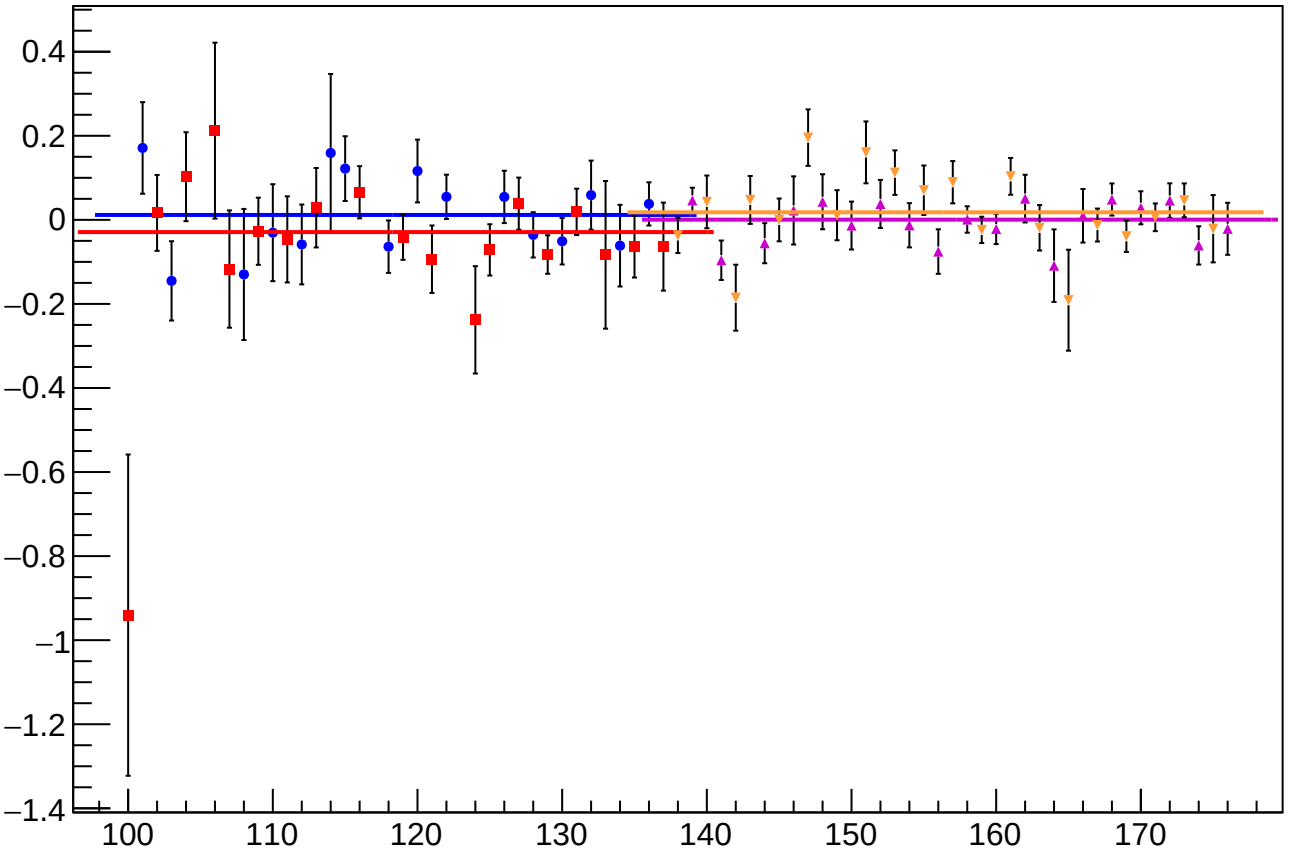
Left: 39.977+/-0.005 χ^2/NDF: 4050118.8/38

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.836+/-0.006 χ^2/NDF:3196097.3/34

Out: 41.656+/-0.007 χ^2/NDF:4060754.0/38

All: 41.241+/-0.005 χ^2/NDF: 7264709.9/73



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

Left: 0.009+/-0.008 χ^2/NDF: 59.0/38

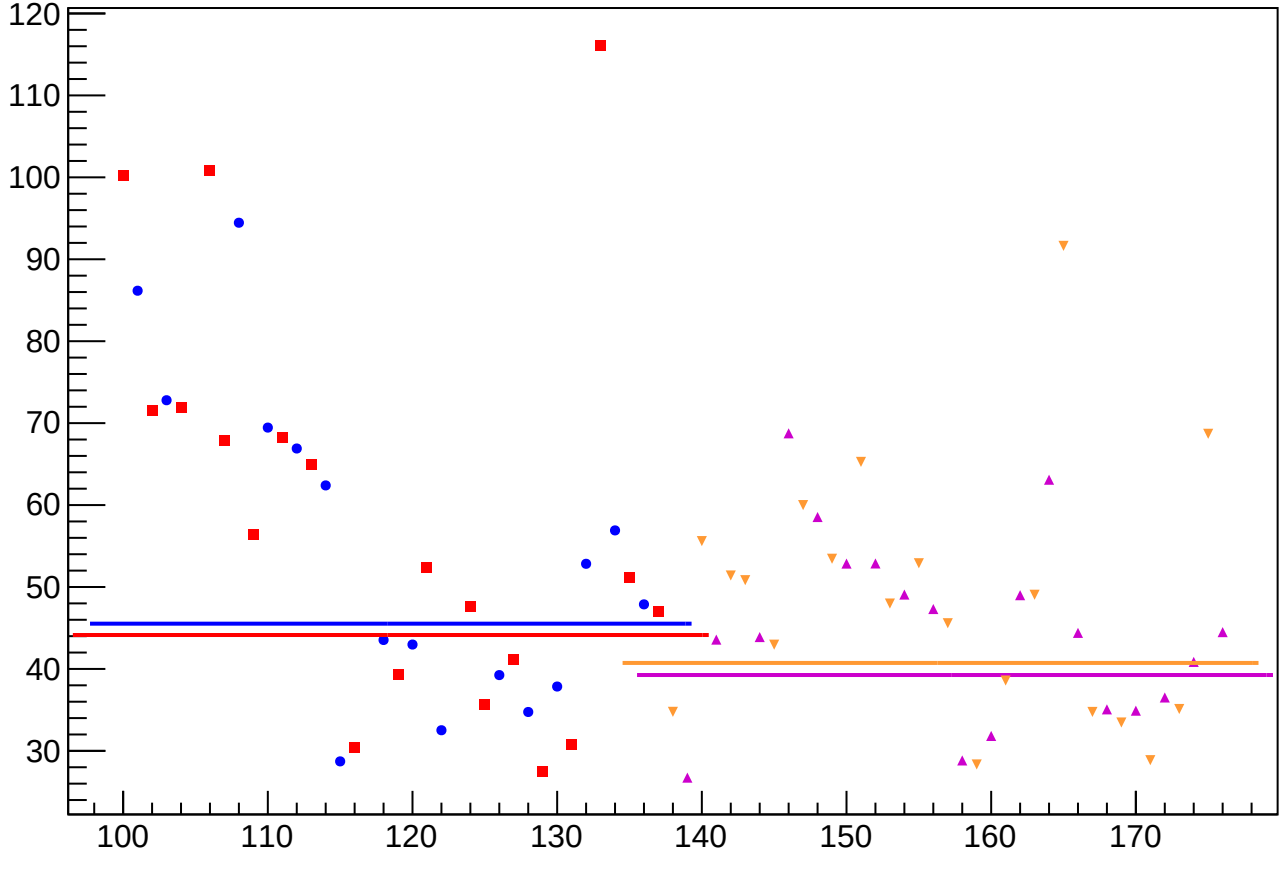
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.004+/-0.007 χ^2/NDF: 99.4/73

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264354.6/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

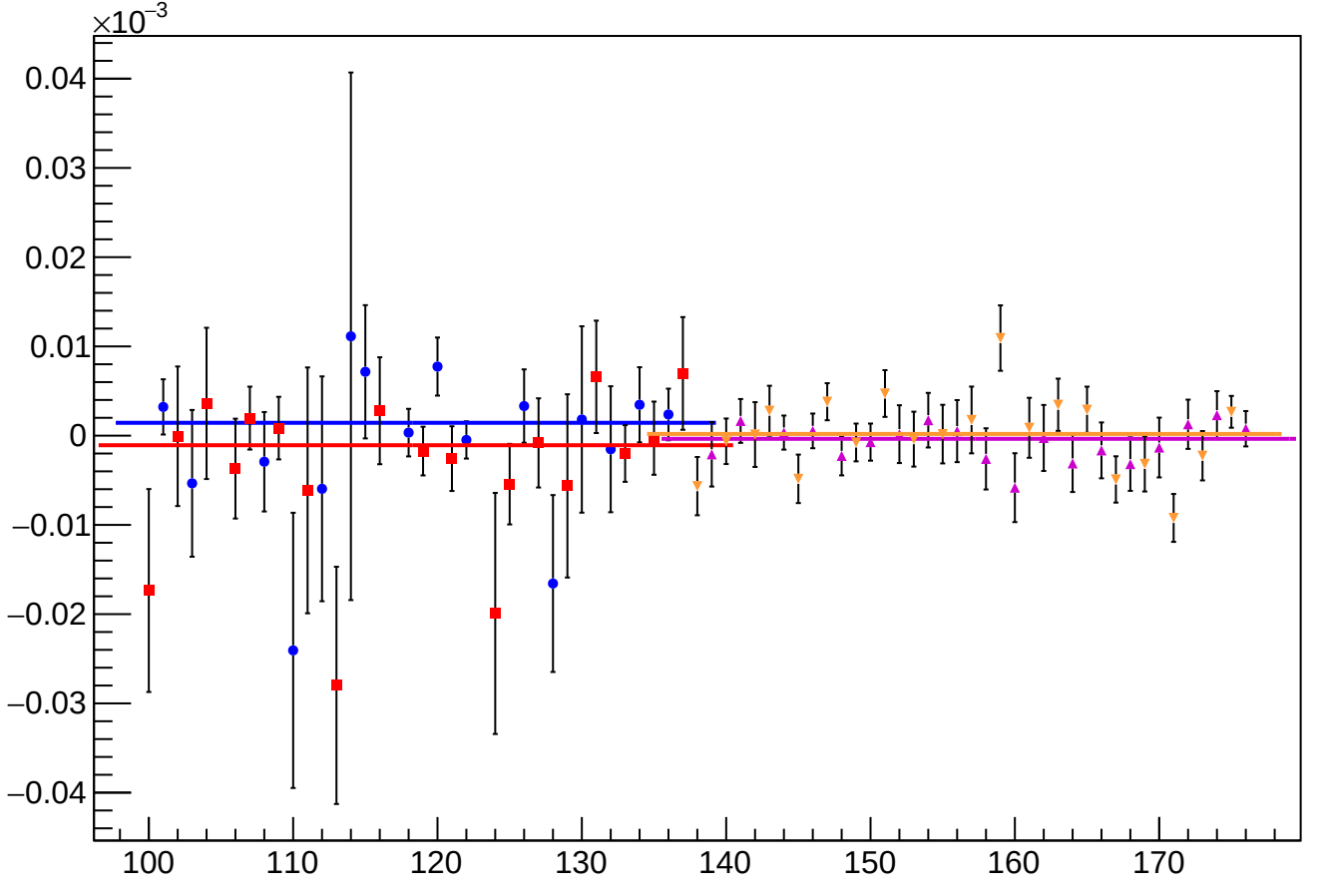
Left: 39.977+/-0.005 χ^2/NDF: 4050118.8/38

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.836+/-0.006 χ^2/NDF:3196097.3/34

Out: 41.656+/-0.007 χ^2/NDF:4060754.0/38

All: 41.241+/-0.005 χ^2/NDF: 7264709.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/18

Left: -0.000+/-0.000 χ^2/NDF: 54.0/38

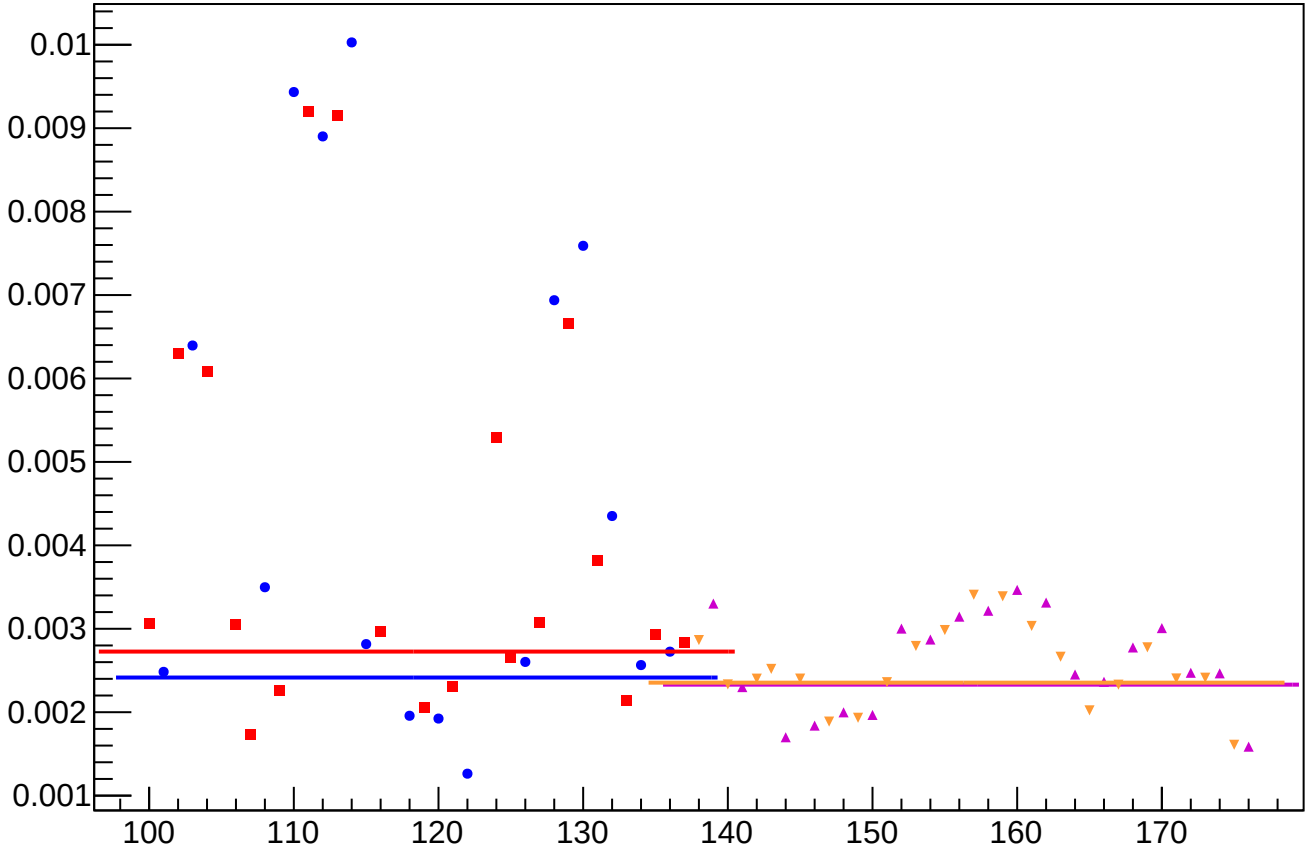
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/34

Out: -0.000+/-0.000 χ^2/NDF:60.9/38

All: 0.000+/-0.000 χ^2/NDF: 85.9/73

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1195394.3/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1726609.7/18

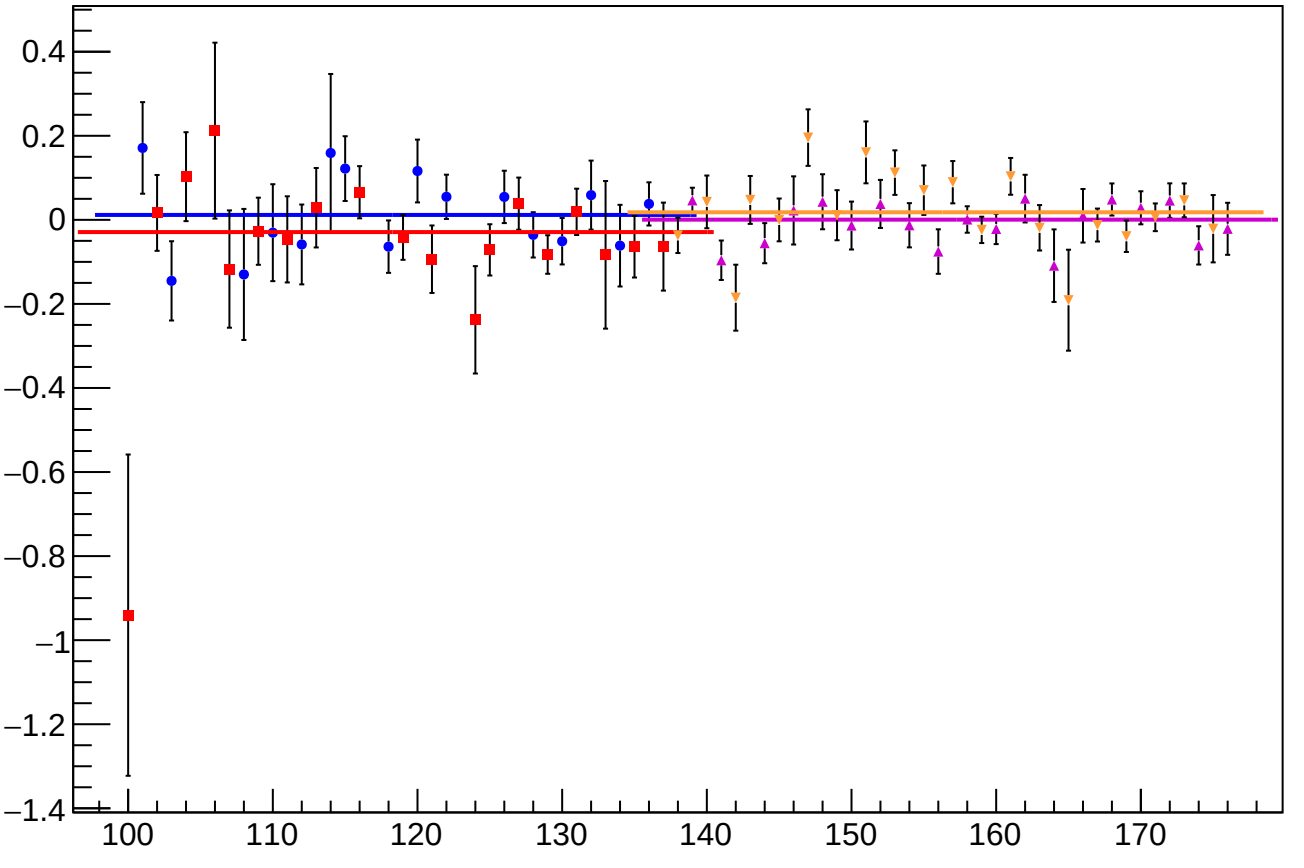
Left: 0.002+/-0.000 χ^2/NDF: 2923555.9/38

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5168699.0/34

Out: 0.002+/-0.000 χ^2/NDF:3871115.1/38

All: 0.002+/-0.000 χ^2/NDF: 9066134.7/73



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

Left: 0.009+/-0.008 χ^2/NDF: 59.0/38

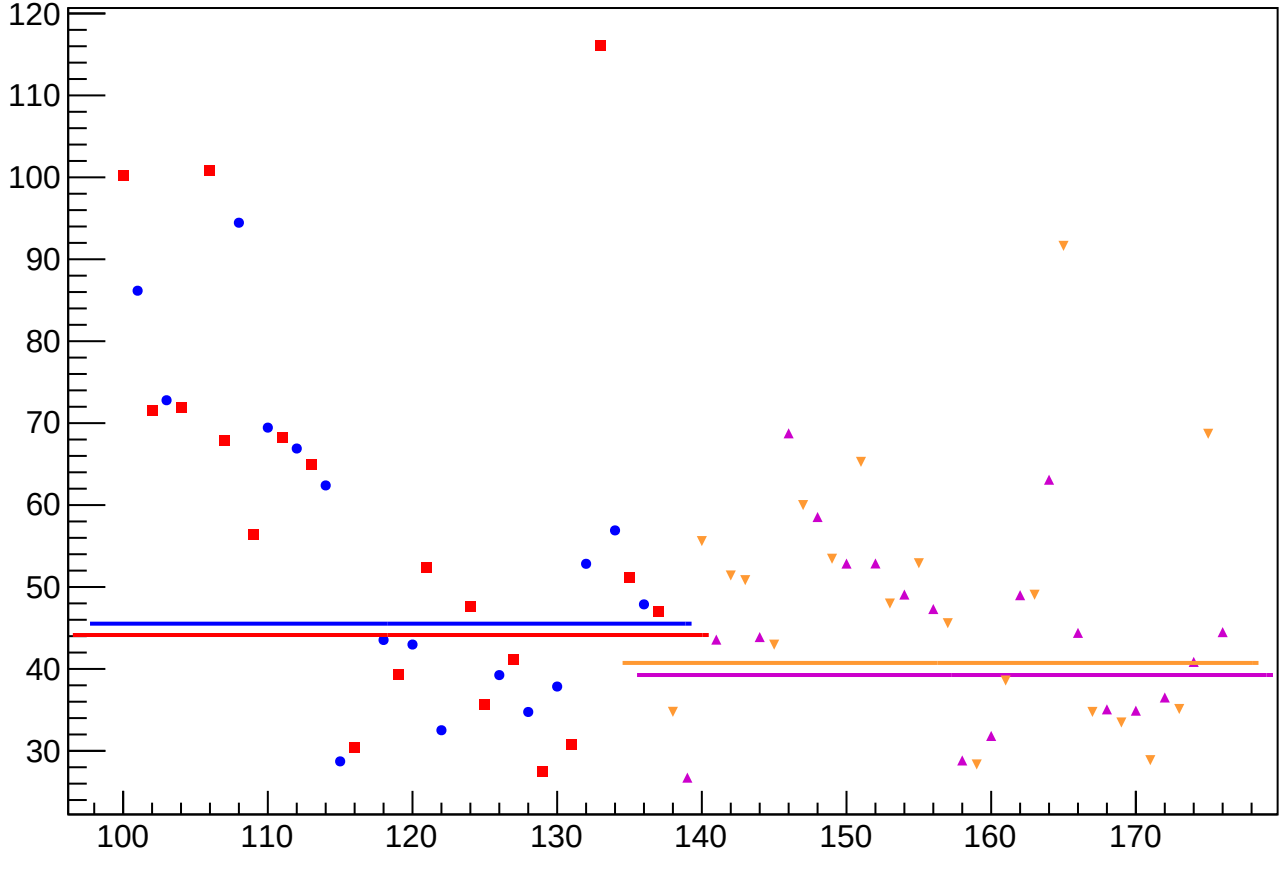
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.004+/-0.007 χ^2/NDF: 99.4/73

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: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

Left: 39.977+/-0.005 χ^2/NDF: 4050185.2/38

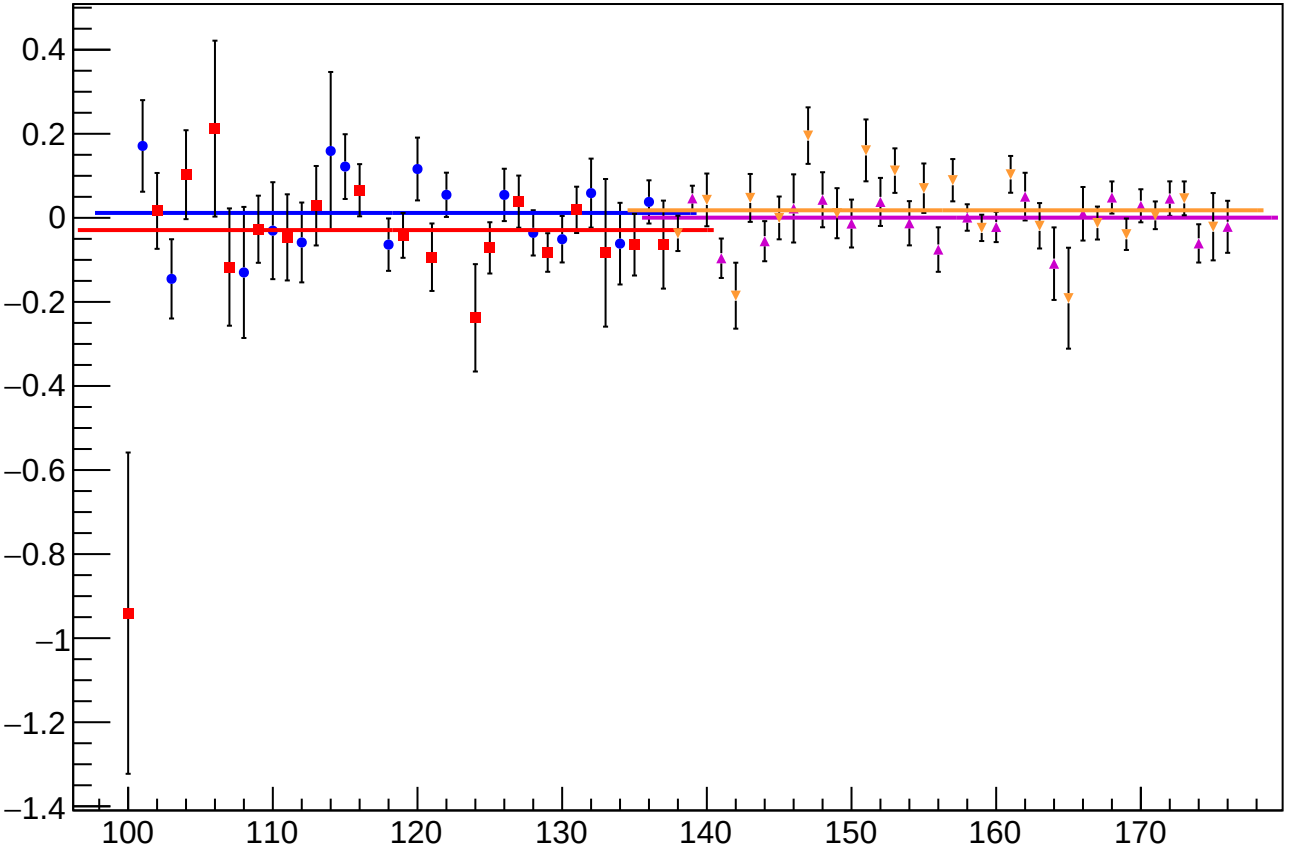
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.836+/-0.006 χ^2/NDF:3196073.6/34

Out: 41.656+/-0.007 χ^2/NDF:4060704.9/38

All: 41.241+/-0.005 χ^2/NDF: 7264637.3/73

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: 0.018+/-0.011 χ^2/NDF:38.6/19

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

Left: 0.009+/-0.008 χ^2/NDF: 59.0/38

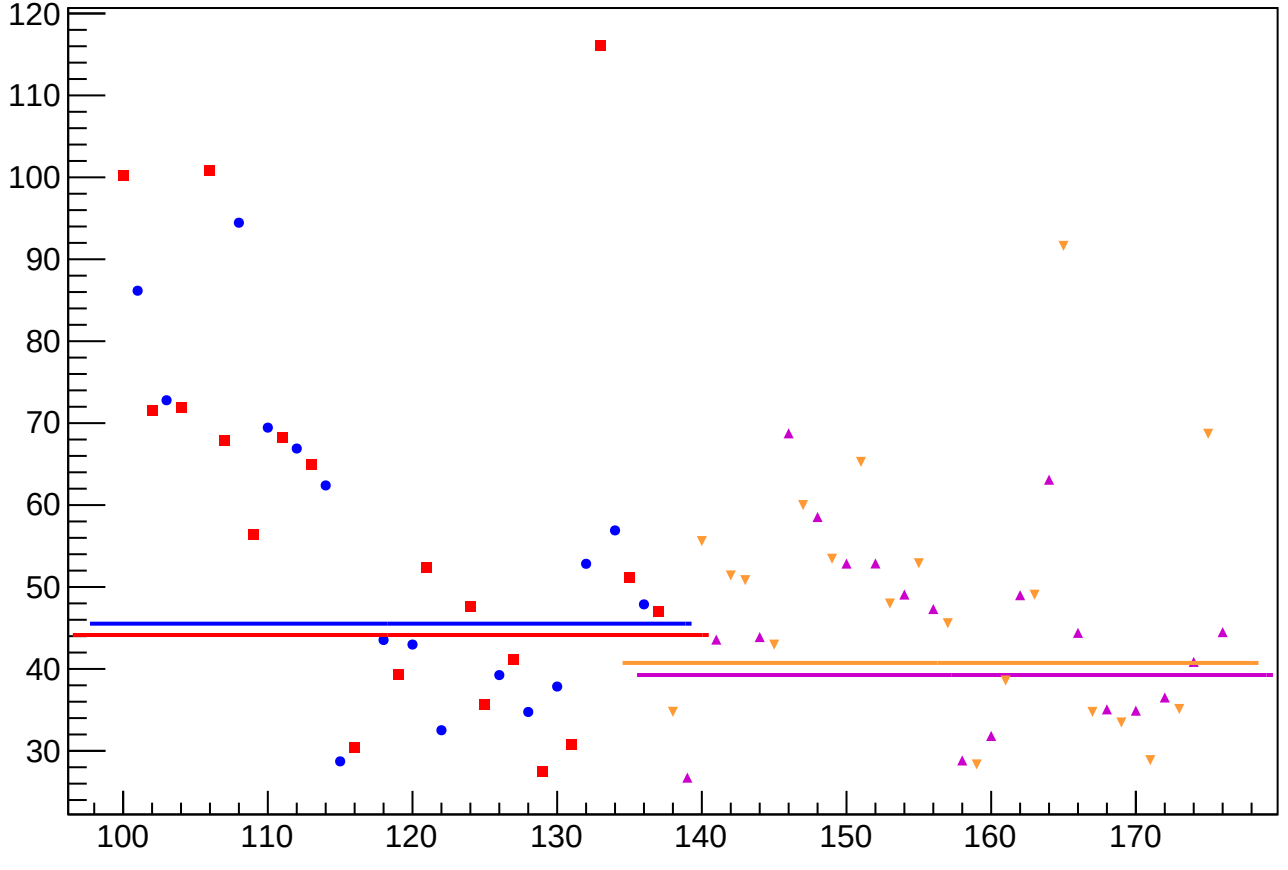
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.005+/-0.009 χ^2/NDF:63.2/38

All: 0.004+/-0.007 χ^2/NDF: 99.4/73

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.733+/-0.008 χ^2/NDF:2264382.7/19

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

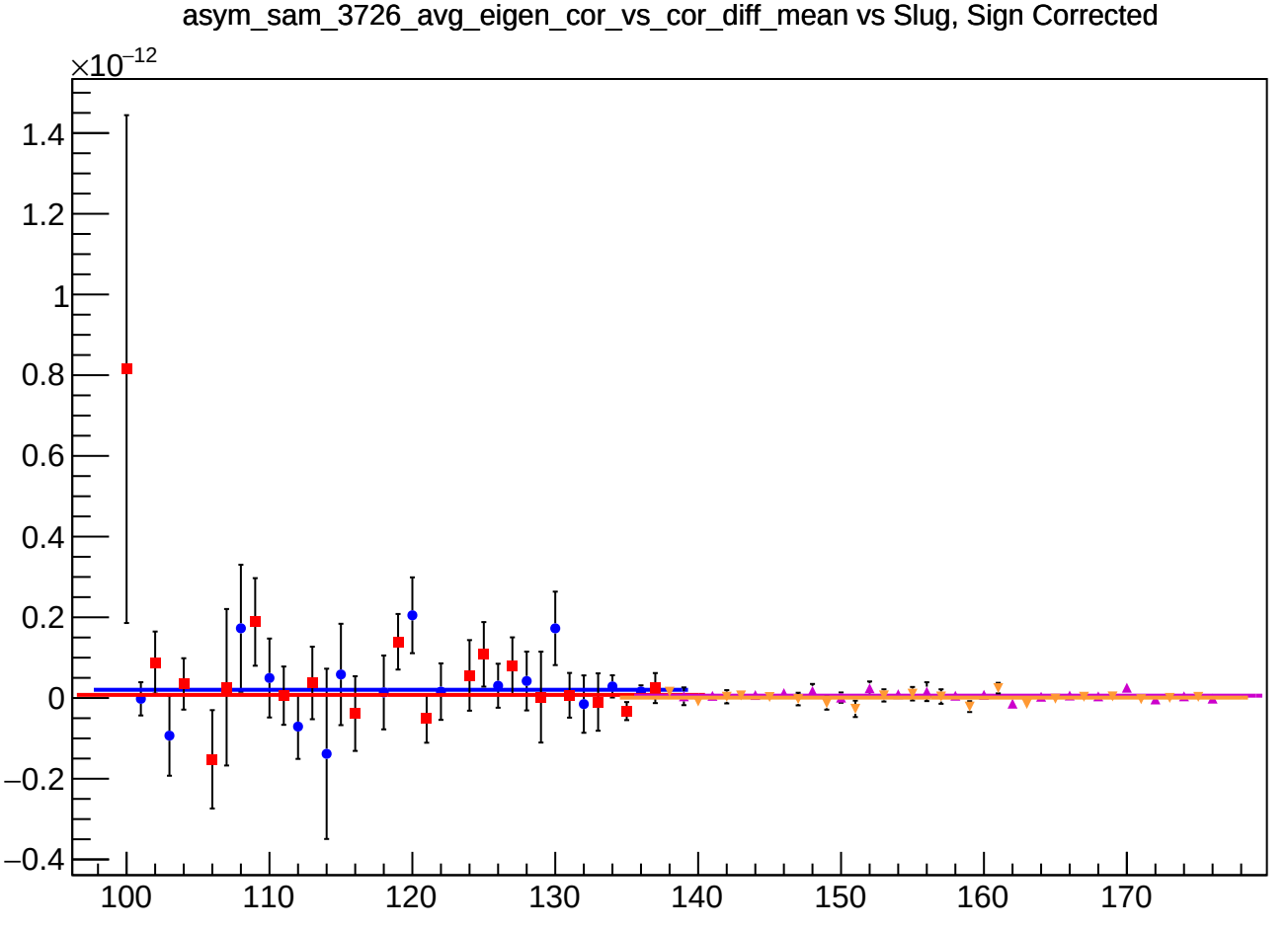
Left: 39.977+/-0.005 χ^2/NDF: 4050185.2/38

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.836+/-0.006 χ^2/NDF:3196073.6/34

Out: 41.656+/-0.007 χ^2/NDF:4060704.9/38

All: 41.241+/-0.005 χ^2/NDF: 7264637.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

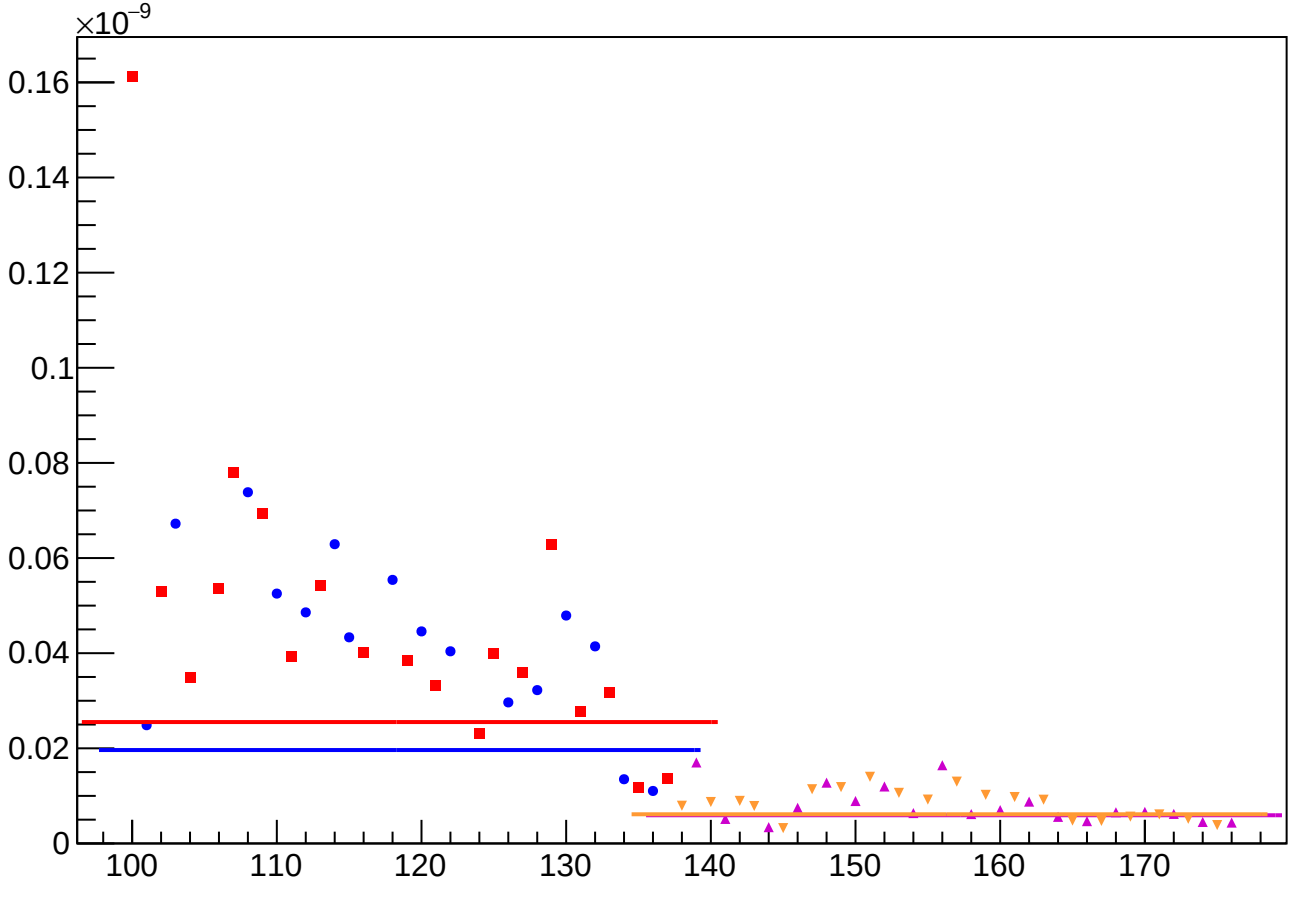
Left: 0.000+/-0.000 χ^2/NDF: 28.7/38

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.9/34

Out: 0.000+/-0.000 χ^2/NDF:32.8/38

All: 0.000+/-0.000 χ^2/NDF: 61.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3085148.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2440310.1/18

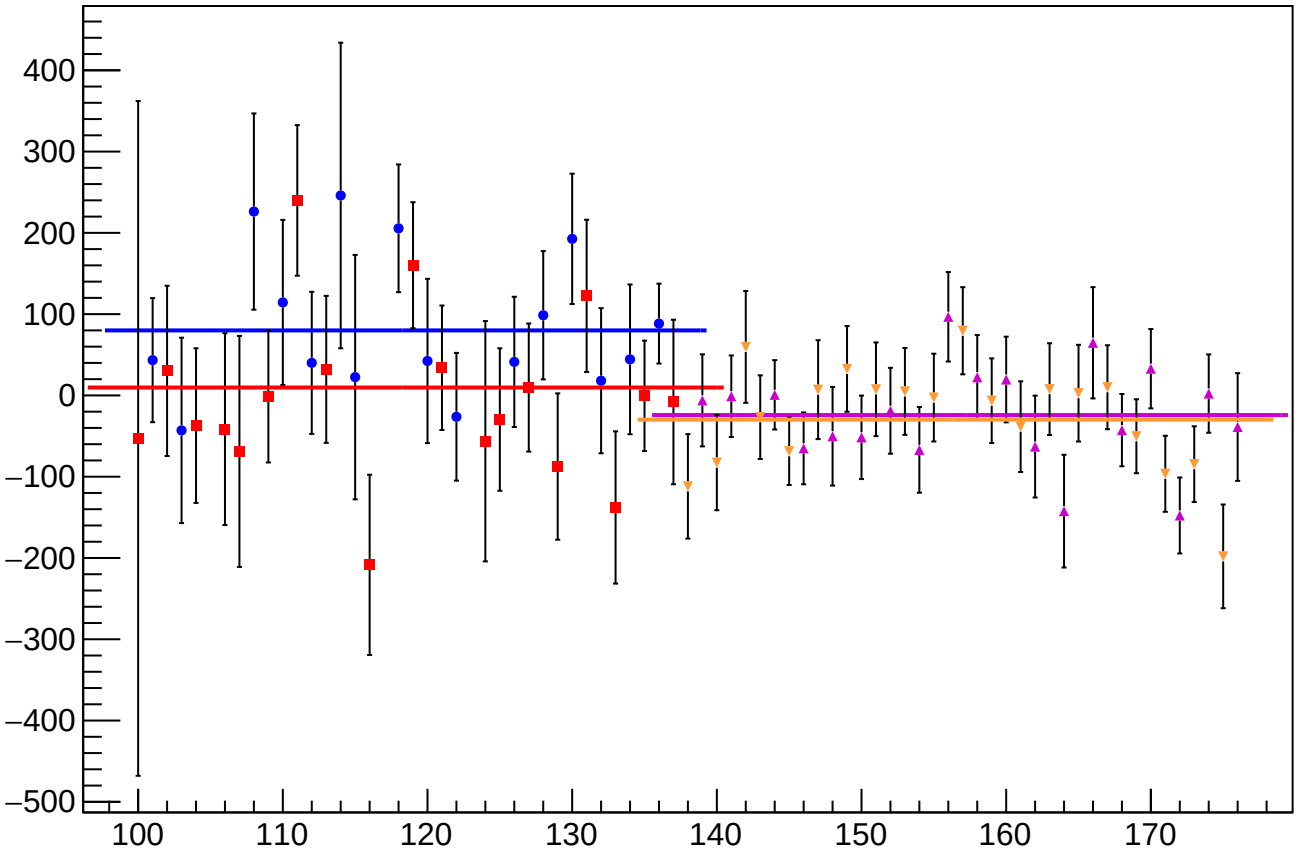
Left: 0.000+/-0.000 χ^2/NDF: 5534328.0/38

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8581946.2/34

Out: 0.000+/-0.000 χ^2/NDF:9695922.7/38

All: 0.000+/-0.000 χ^2/NDF: 18286151.0/73



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.758+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -24.145+/-12.022 χ^2/NDF:22.8/18

Left: -26.965+/-8.481 χ^2/NDF: 47.1/38

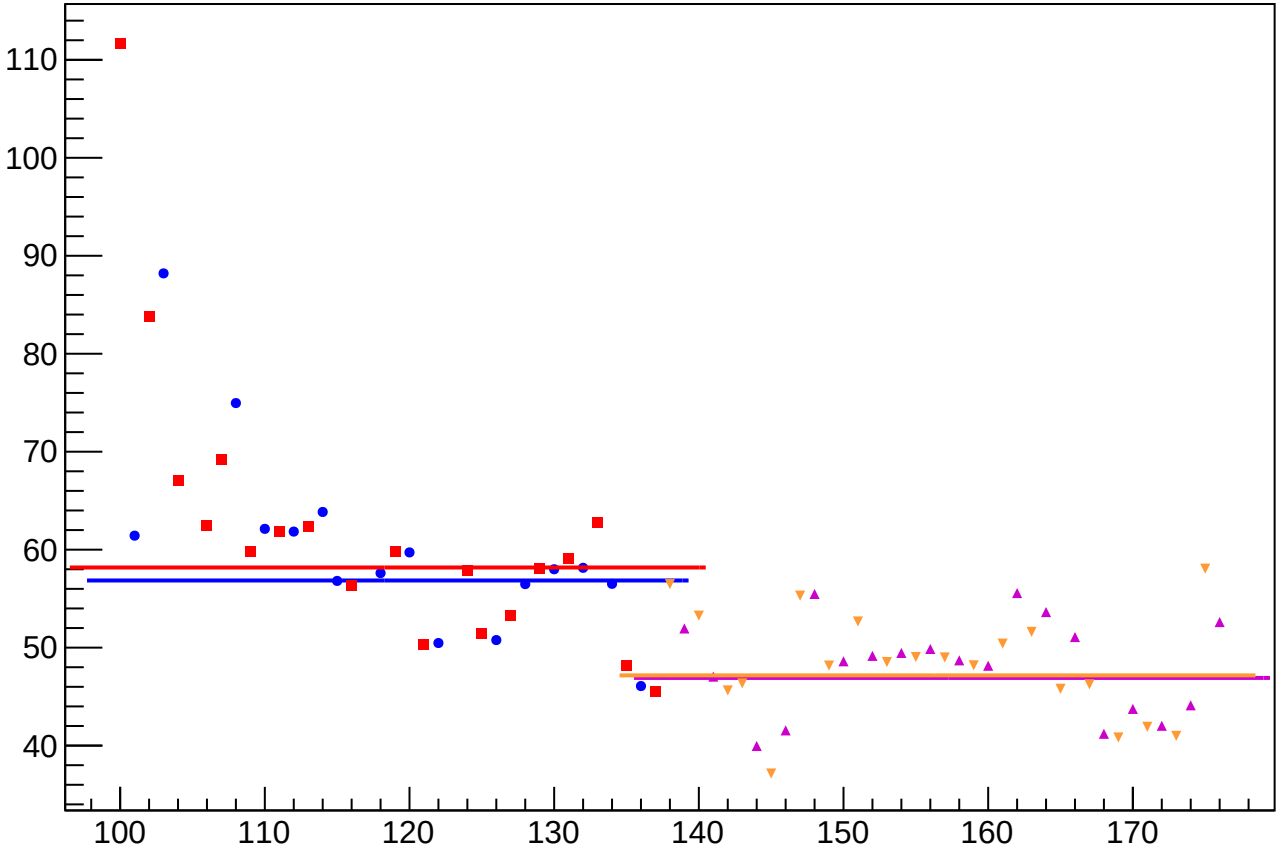
Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 0.705+/-10.490 χ^2/NDF:52.3/34

Out: -20.496+/-10.470 χ^2/NDF:47.1/38

All: -9.916+/-7.410 χ^2/NDF: 101.4/73

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

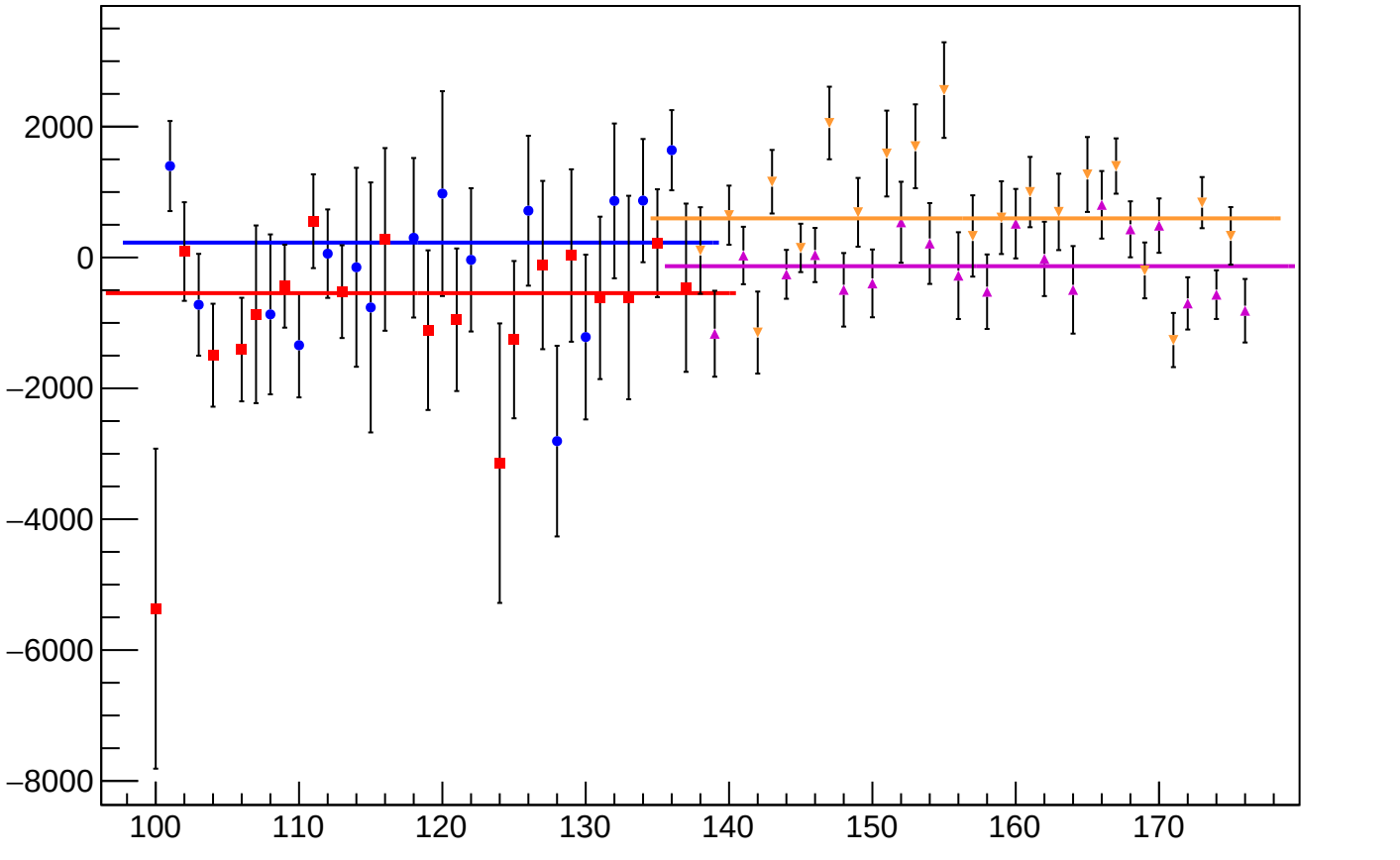
Left: 47.039+/-0.006 χ^2/NDF: 729075.4/38

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.282+/-0.007 χ^2/NDF:975373.6/34

Out: 49.752+/-0.007 χ^2/NDF:1133442.3/38

All: 49.517+/-0.005 χ^2/NDF: 2110829.0/73



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 597.806+/-112.730 χ^2/NDF:60.6/19

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -132.852+/-112.077 χ^2/NDF:20.0/18

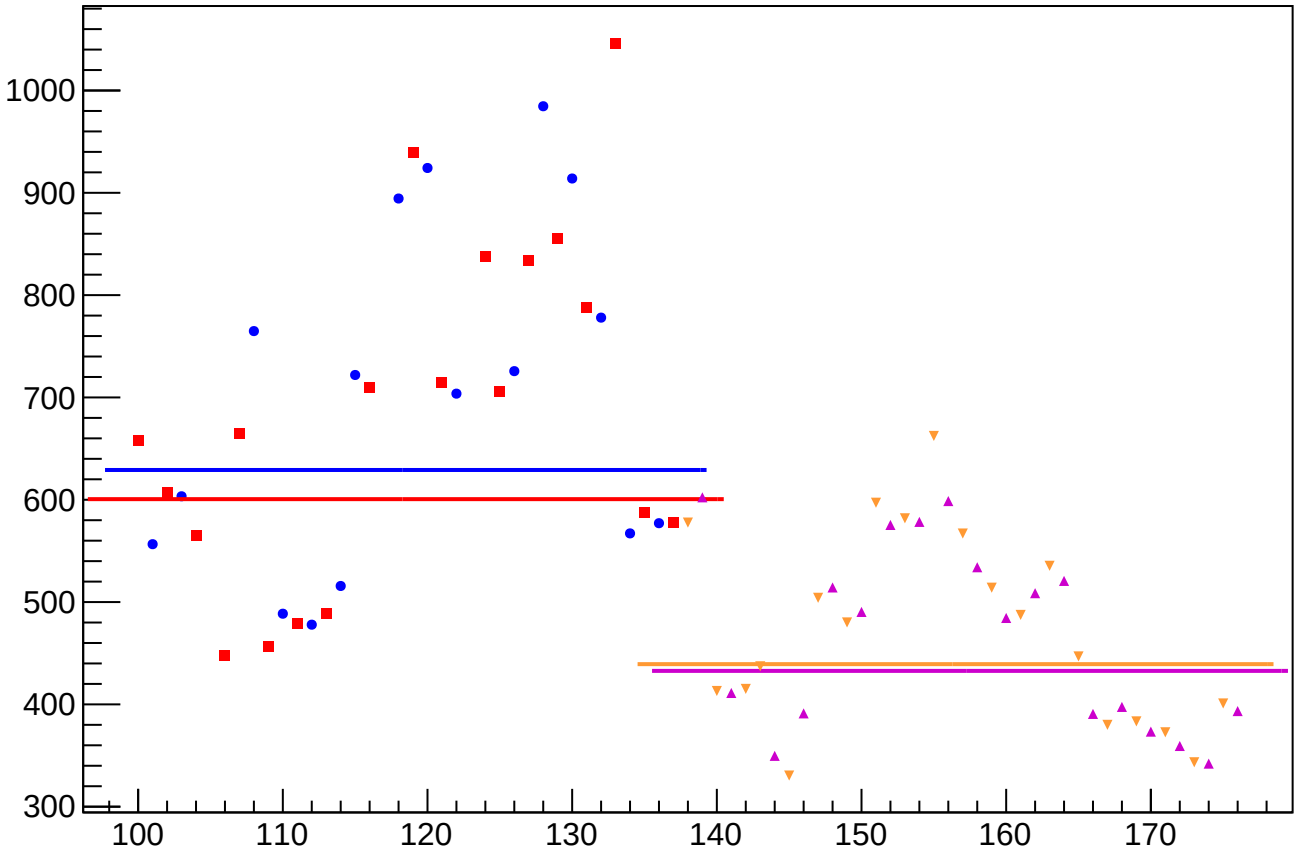
Left: 230.354+/-79.480 χ^2/NDF: 101.8/38

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -68.872+/-101.642 χ^2/NDF:43.5/34

Out: 372.155+/-100.987 χ^2/NDF:94.3/38

All: 153.068+/-71.639 χ^2/NDF: 147.3/73



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163485.9/19

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 432.732+/-0.079 χ^2/NDF:1086081.2/18

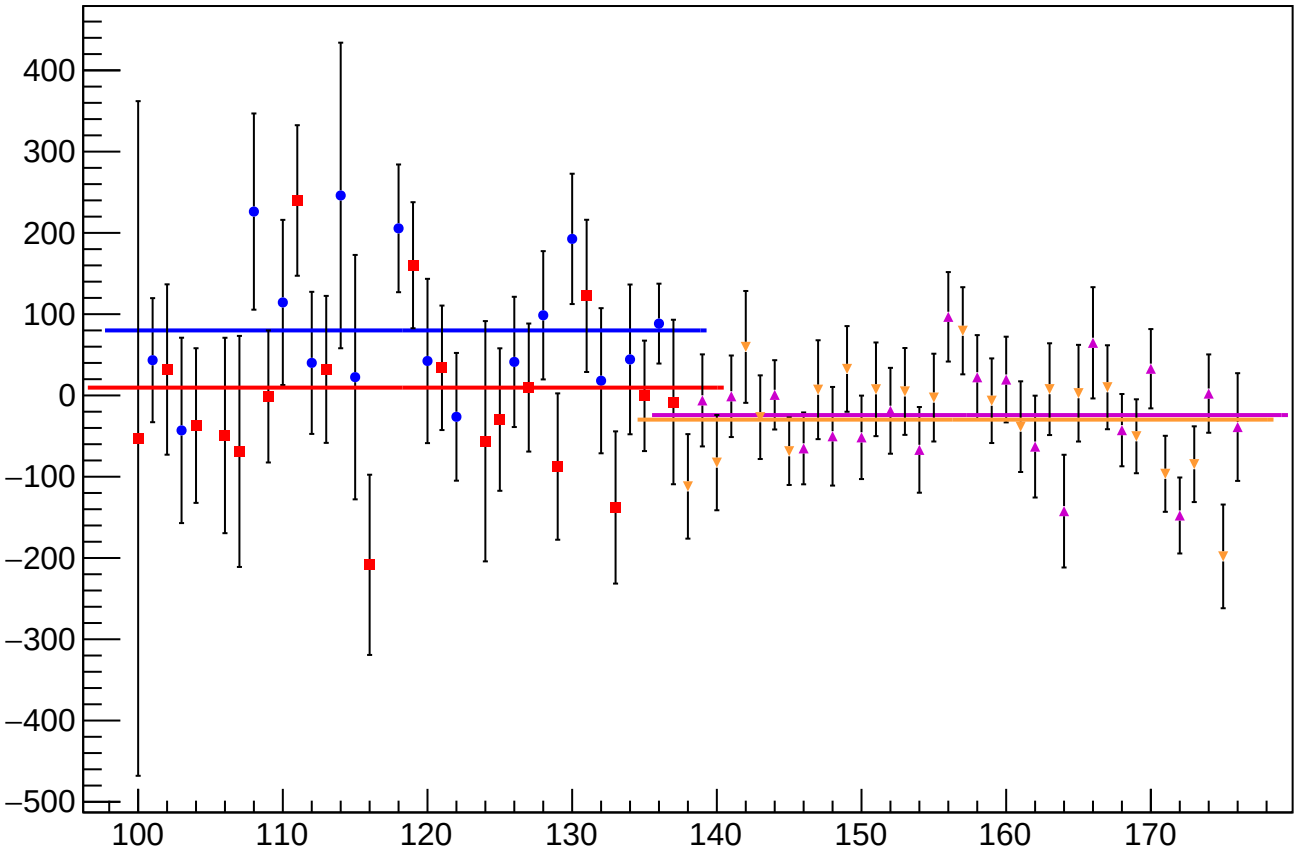
Left: 436.005+/-0.056 χ^2/NDF: 2252998.6/38

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 467.595+/-0.072 χ^2/NDF:2868790.1/34

Out: 471.168+/-0.071 χ^2/NDF:2846527.9/38

All: 469.393+/-0.051 χ^2/NDF: 5716561.3/73



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.146+/-12.022 χ^2/NDF:22.8/18

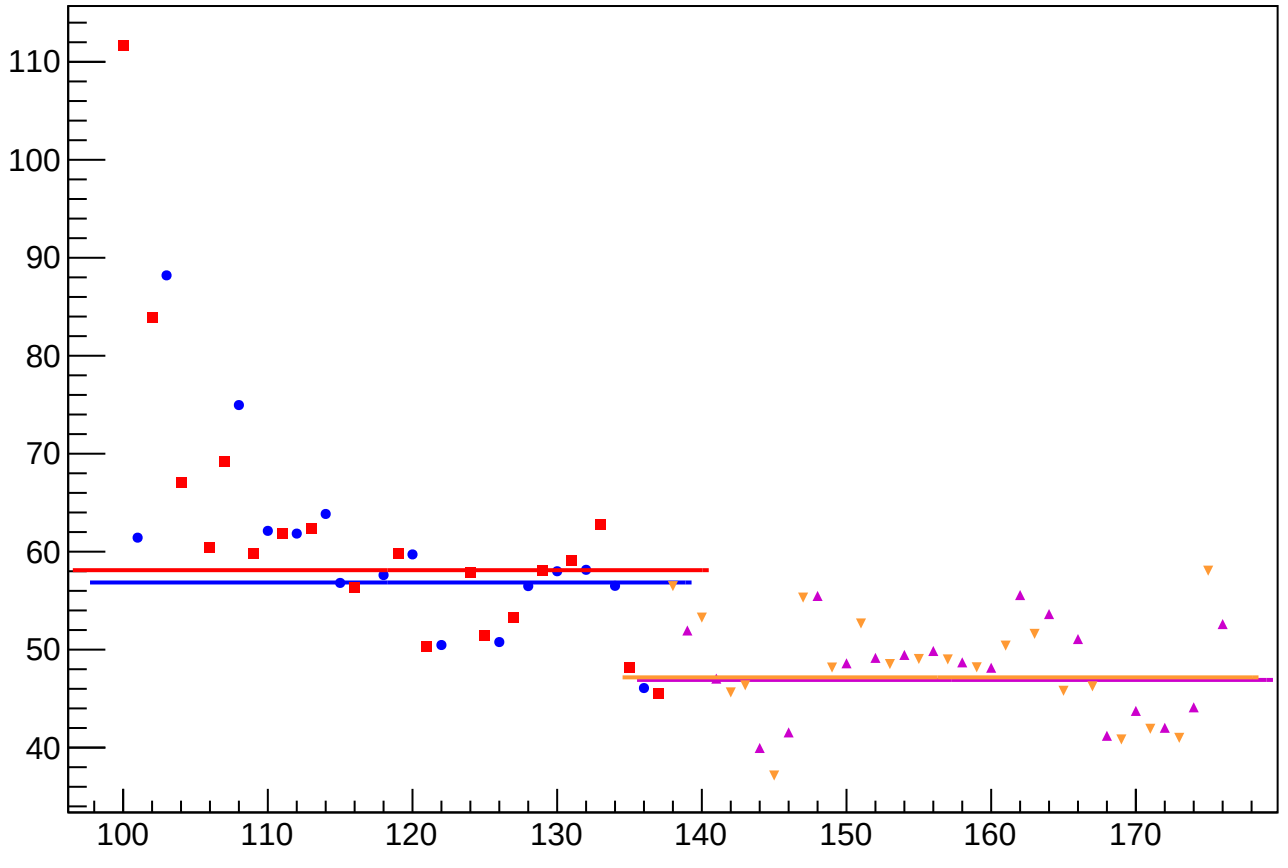
Left: -26.966+/-8.481 χ^2/NDF: 47.1/38

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 0.706+/-10.490 χ^2/NDF:52.3/34

Out: -20.532+/-10.471 χ^2/NDF:47.1/38

All: -9.932+/-7.411 χ^2/NDF: 101.4/73



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

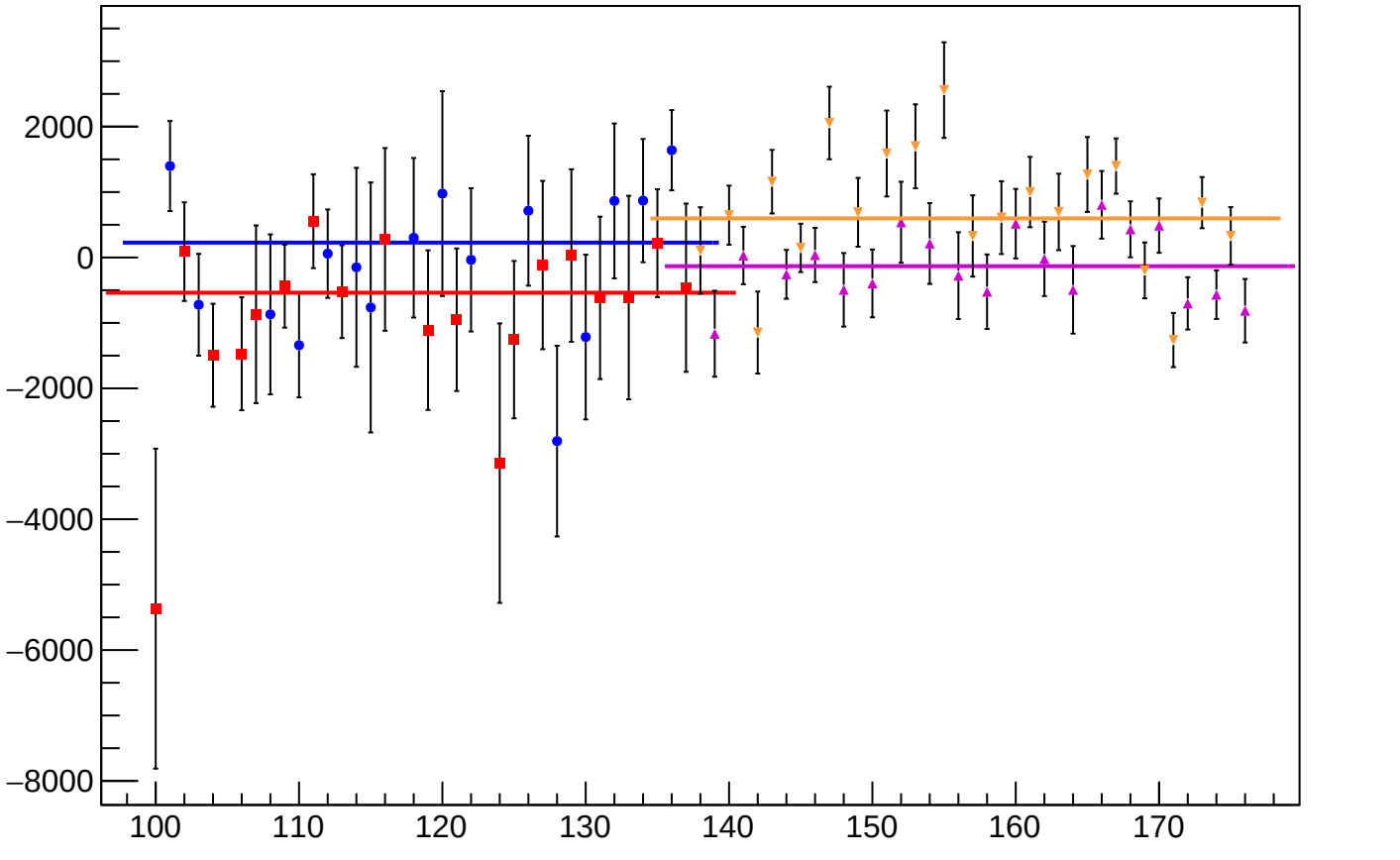
Left: 47.039+/-0.006 χ^2/NDF: 729075.4/38

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.282+/-0.007 χ^2/NDF:975377.6/34

Out: 49.733+/-0.007 χ^2/NDF:1126256.4/38

All: 49.508+/-0.005 χ^2/NDF: 2103487.0/73



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -132.855+/-112.077 χ^2/NDF:20.0/18

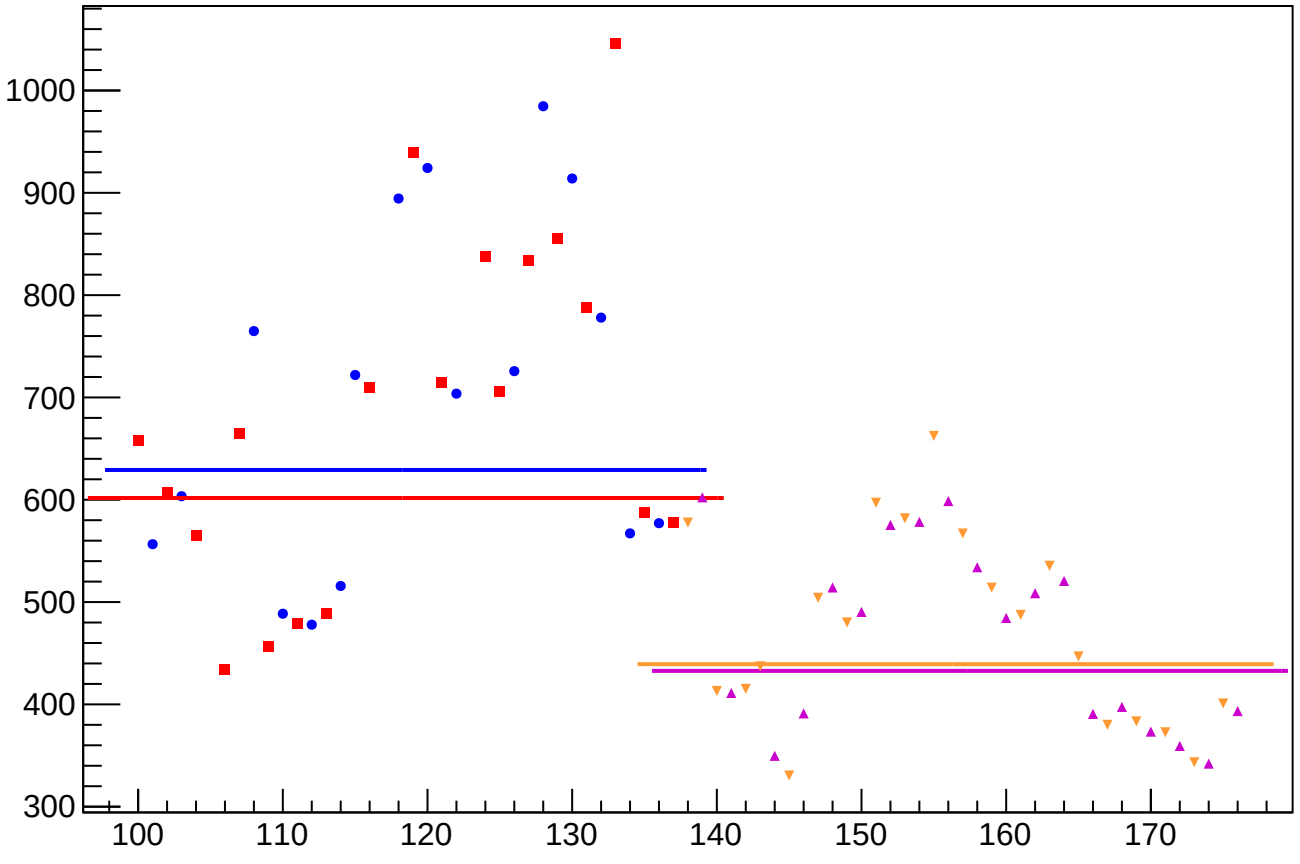
Left: 230.352+/-79.480 χ^2/NDF: 101.8/38

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -68.869+/-101.642 χ^2/NDF:43.5/34

Out: 375.845+/-101.119 χ^2/NDF:93.8/38

All: 154.637+/-71.686 χ^2/NDF: 146.9/73



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

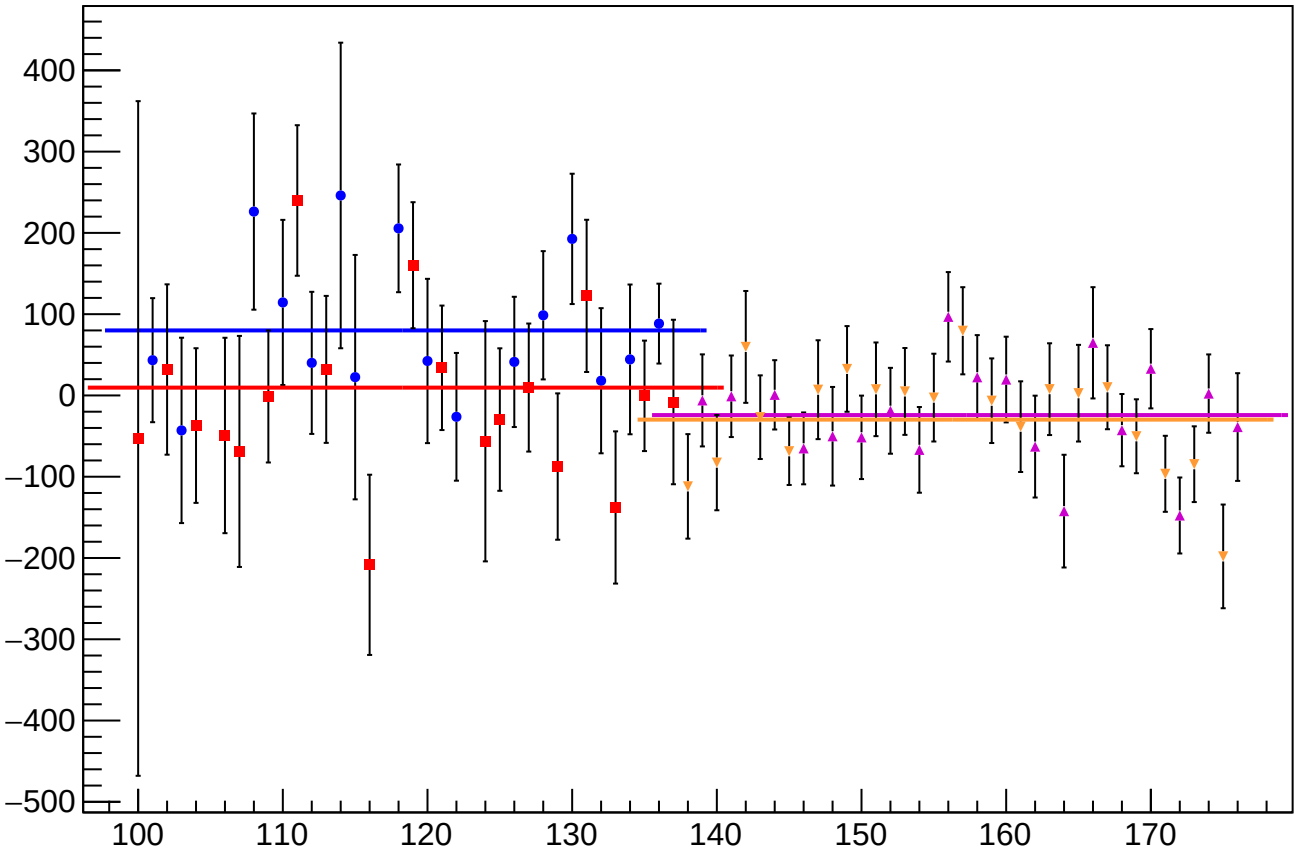
Left: 436.005+/-0.056 χ^2/NDF: 2252998.2/38

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.596+/-0.072 χ^2/NDF:2868819.8/34

Out: 471.050+/-0.072 χ^2/NDF:2848612.1/38

All: 469.332+/-0.051 χ^2/NDF: 5718593.0/73



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -29.760+/-11.967 χ^2/NDF:24.2/19

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.146+/-12.022 χ^2/NDF:22.8/18

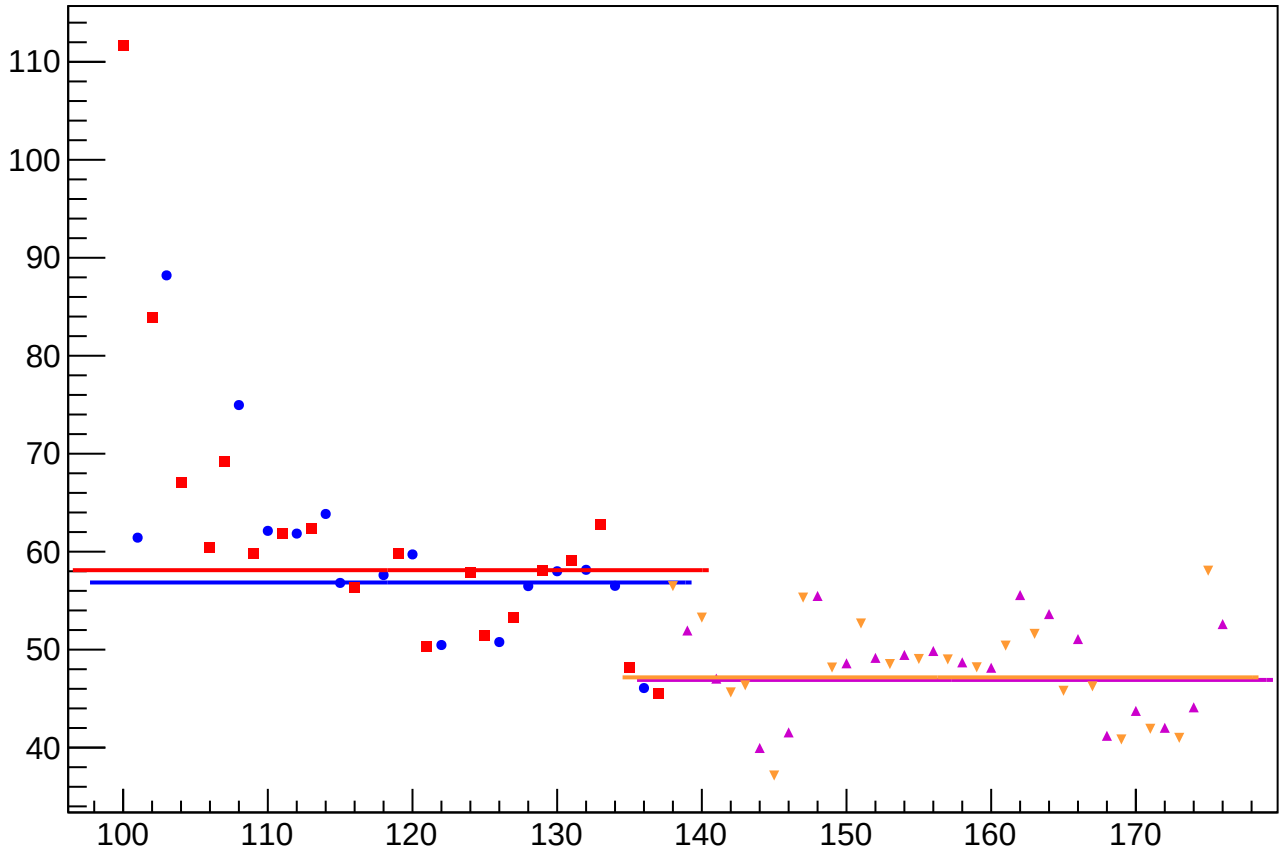
Left: -26.966+/-8.481 χ^2/NDF: 47.1/38

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 0.706+/-10.490 χ^2/NDF:52.3/34

Out: -20.532+/-10.471 χ^2/NDF:47.1/38

All: -9.932+/-7.411 χ^2/NDF: 101.4/73



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.169+/-0.008 χ^2/NDF:421476.2/19

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

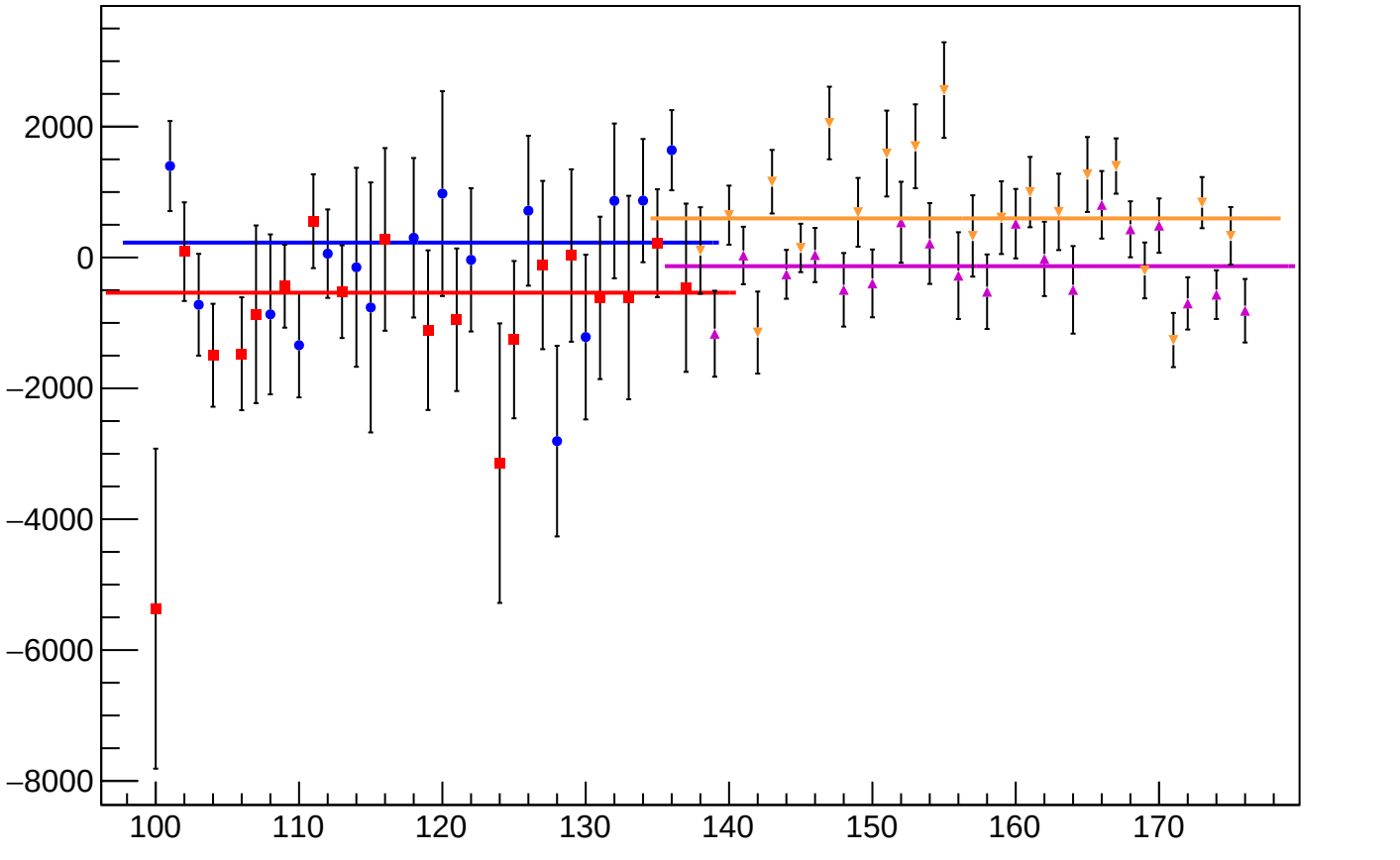
Left: 47.039+/-0.006 χ^2/NDF: 729075.4/38

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.282+/-0.007 χ^2/NDF:975377.6/34

Out: 49.733+/-0.007 χ^2/NDF:1126256.4/38

All: 49.508+/-0.005 χ^2/NDF: 2103487.0/73



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 597.804+/-112.730 χ^2/NDF:60.6/19

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -132.855+/-112.077 χ^2/NDF:20.0/18

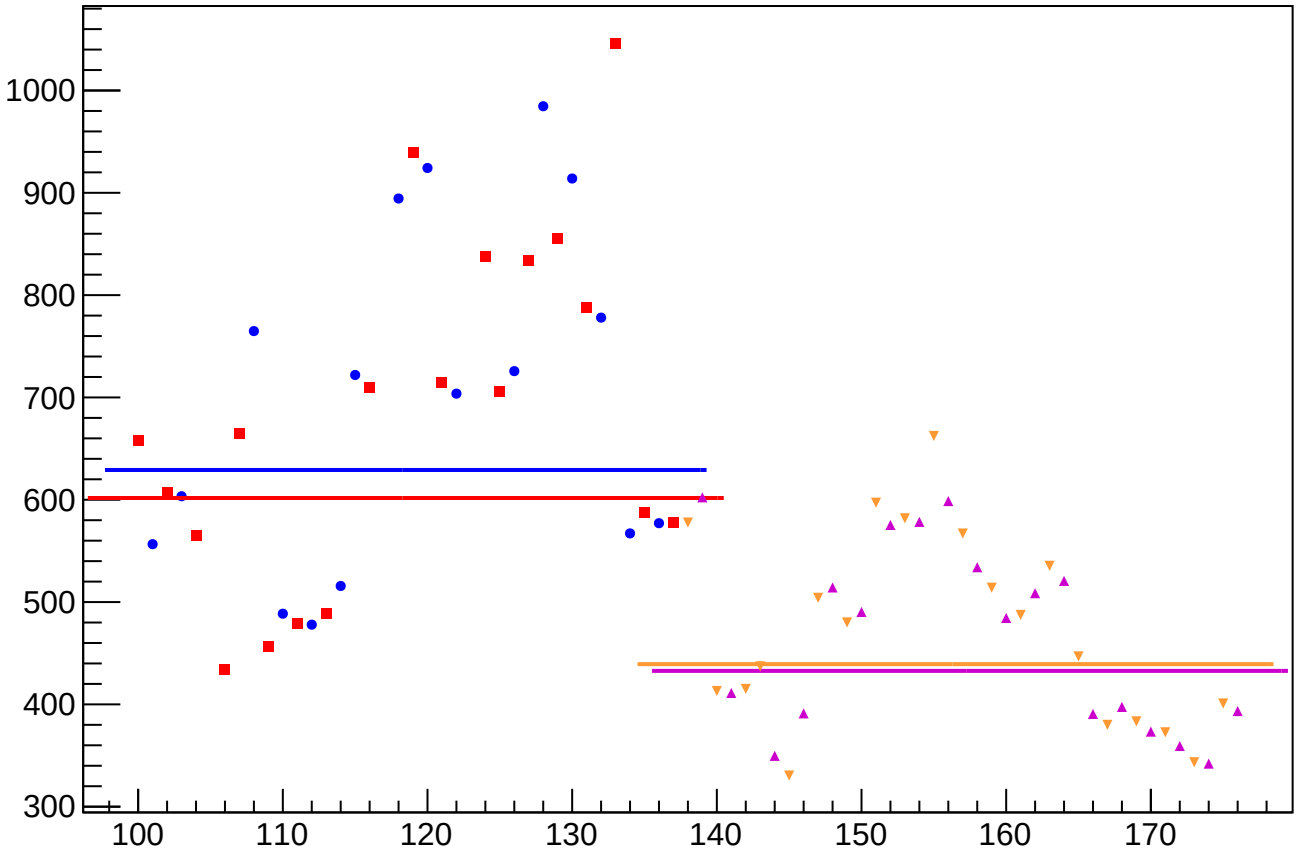
Left: 230.352+/-79.480 χ^2/NDF: 101.8/38

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -68.869+/-101.642 χ^2/NDF:43.5/34

Out: 375.845+/-101.119 χ^2/NDF:93.8/38

All: 154.637+/-71.686 χ^2/NDF: 146.9/73



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 439.317+/-0.080 χ^2/NDF:1163486.3/19

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

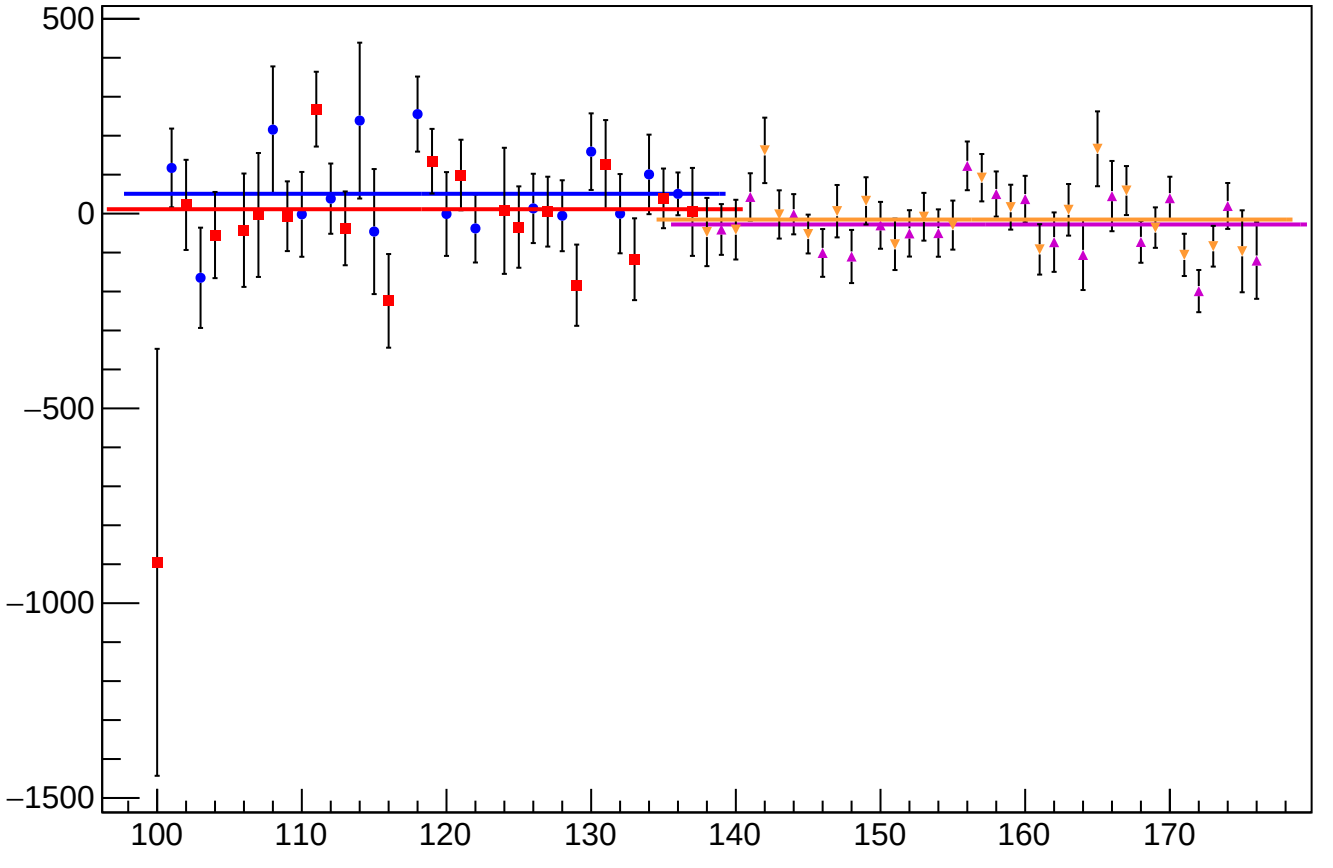
Left: 436.005+/-0.056 χ^2/NDF: 2252998.2/38

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.596+/-0.072 χ^2/NDF:2868819.8/34

Out: 471.050+/-0.072 χ^2/NDF:2848612.1/38

All: 469.332+/-0.051 χ^2/NDF: 5718593.0/73



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.252+/-14.265 χ^2/NDF:22.3/19

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -27.883+/-14.348 χ^2/NDF:29.1/18

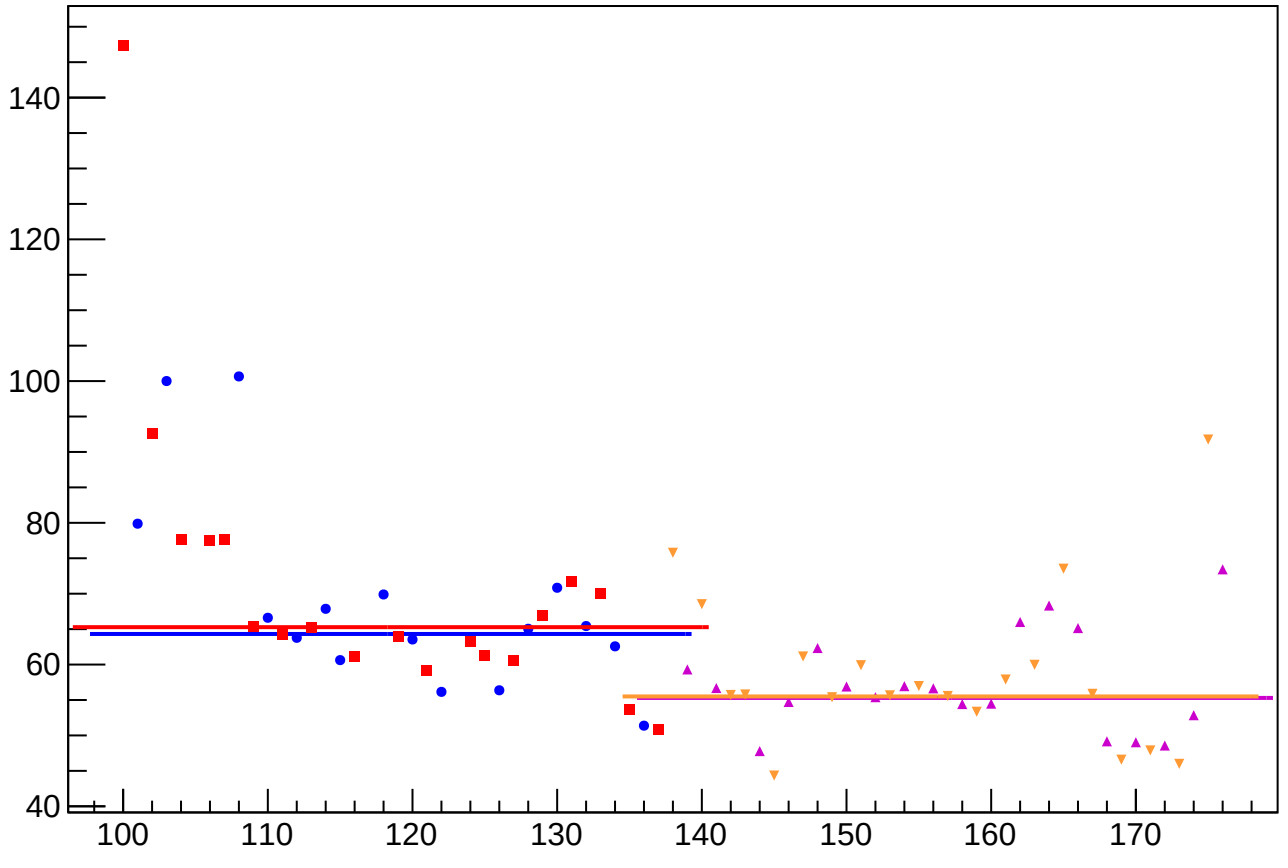
Left: -21.531+/-10.116 χ^2/NDF: 51.7/38

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -7.763+/-12.380 χ^2/NDF:50.6/34

Out: -8.468+/-12.305 χ^2/NDF:47.2/38

All: -8.118+/-8.727 χ^2/NDF: 97.7/73



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.501+/-0.010 χ^2/NDF:776874.2/19

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.293+/-0.010 χ^2/NDF:336852.2/18

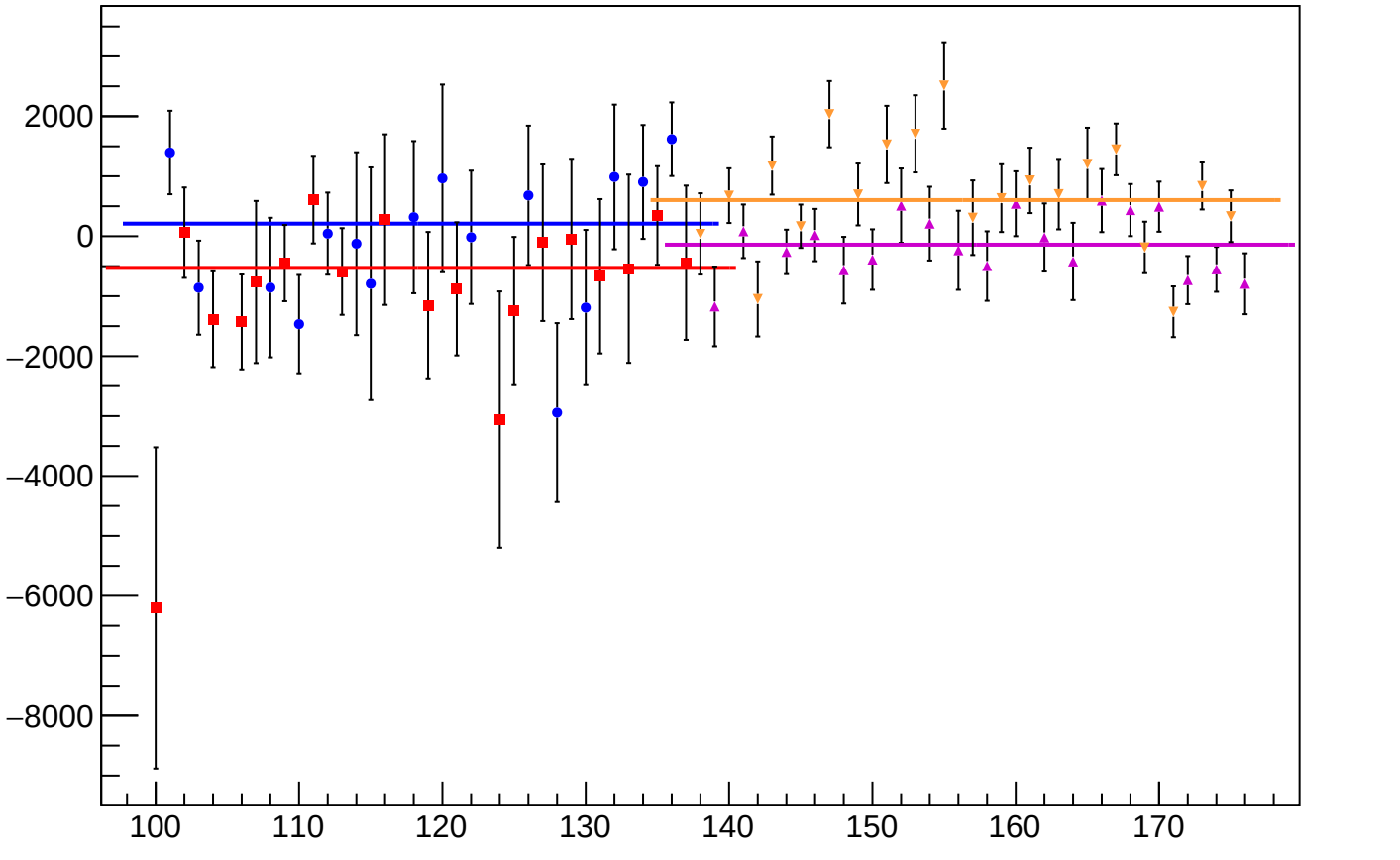
Left: 55.398+/-0.007 χ^2/NDF: 1113938.0/38

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.599+/-0.009 χ^2/NDF:1003928.5/34

Out: 58.003+/-0.009 χ^2/NDF:1336406.6/38

All: 57.802+/-0.006 χ^2/NDF: 2341407.2/73



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.043+/-113.064 χ^2/NDF:58.3/19

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -141.252+/-112.989 χ^2/NDF:18.4/18

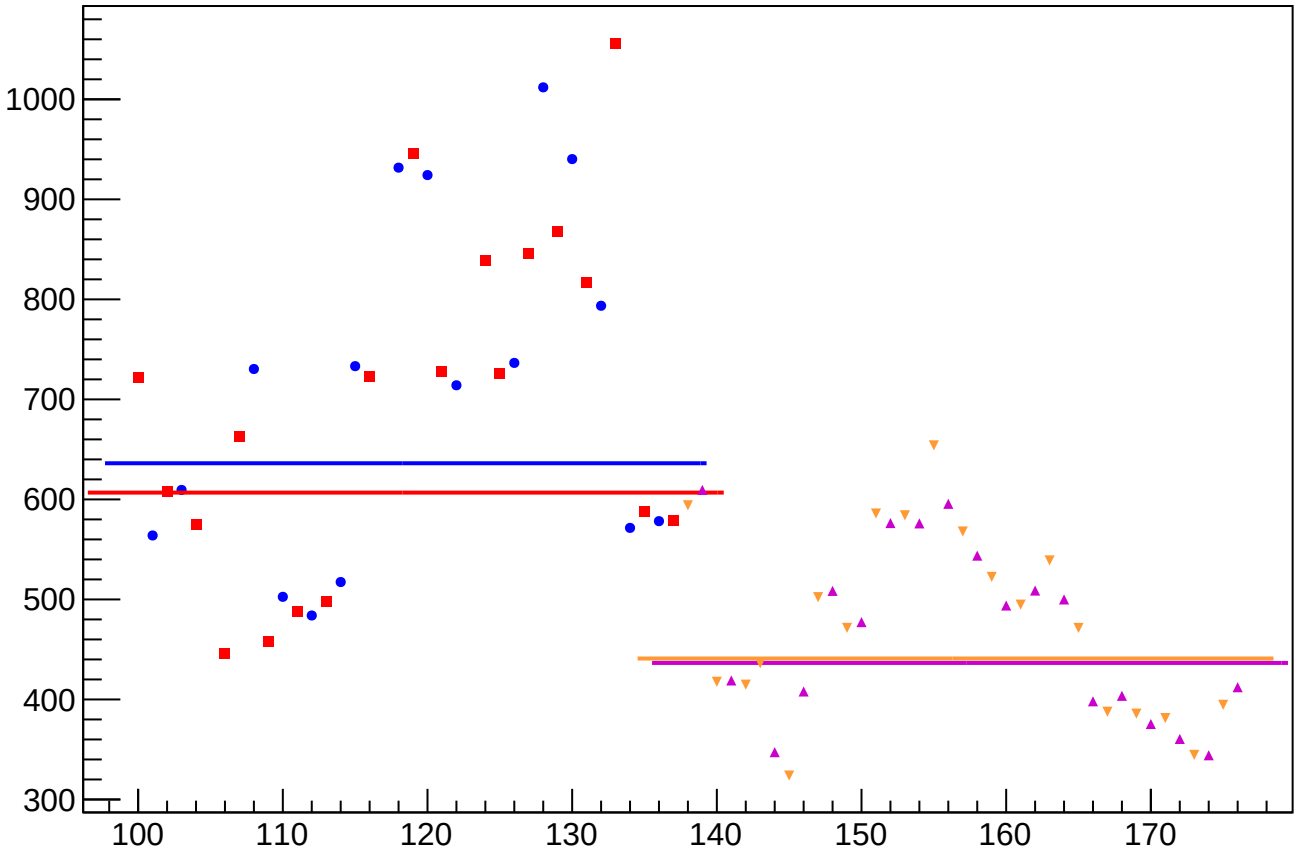
Left: 230.649+/-79.922 χ^2/NDF: 98.4/38

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -79.143+/-102.515 χ^2/NDF:42.6/34

Out: 382.289+/-101.439 χ^2/NDF:91.6/38

All: 154.006+/-72.106 χ^2/NDF: 144.4/73



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.929+/-0.080 χ^2/NDF:1179466.3/19

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 436.503+/-0.080 χ^2/NDF:1036639.6/18

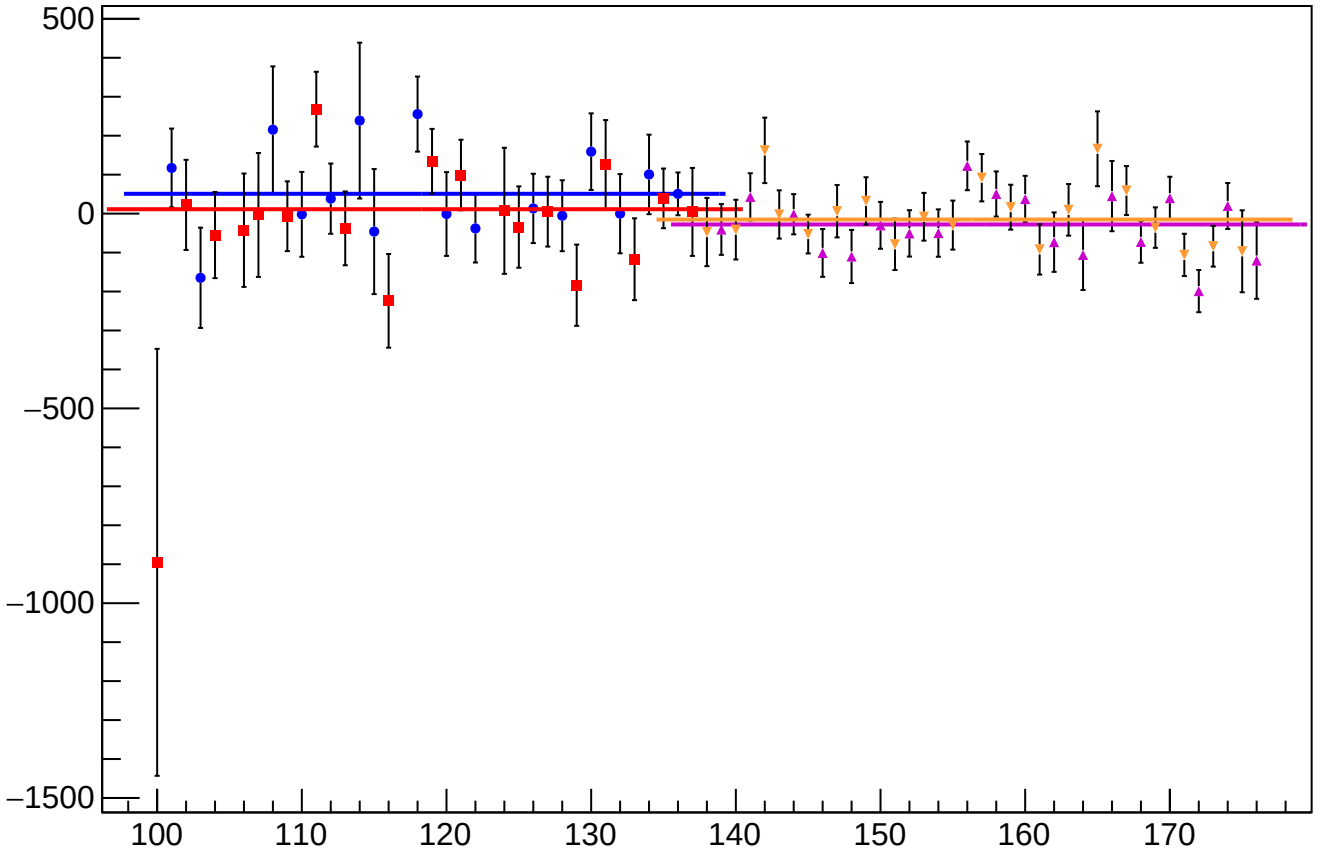
Left: 438.714+/-0.057 χ^2/NDF: 2217639.5/38

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 471.802+/-0.072 χ^2/NDF:2845881.8/34

Out: 473.285+/-0.072 χ^2/NDF:2913012.3/38

All: 472.551+/-0.051 χ^2/NDF: 5759105.5/73



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -15.253+/-14.265 χ^2/NDF:22.3/19

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -27.882+/-14.348 χ^2/NDF:29.1/18

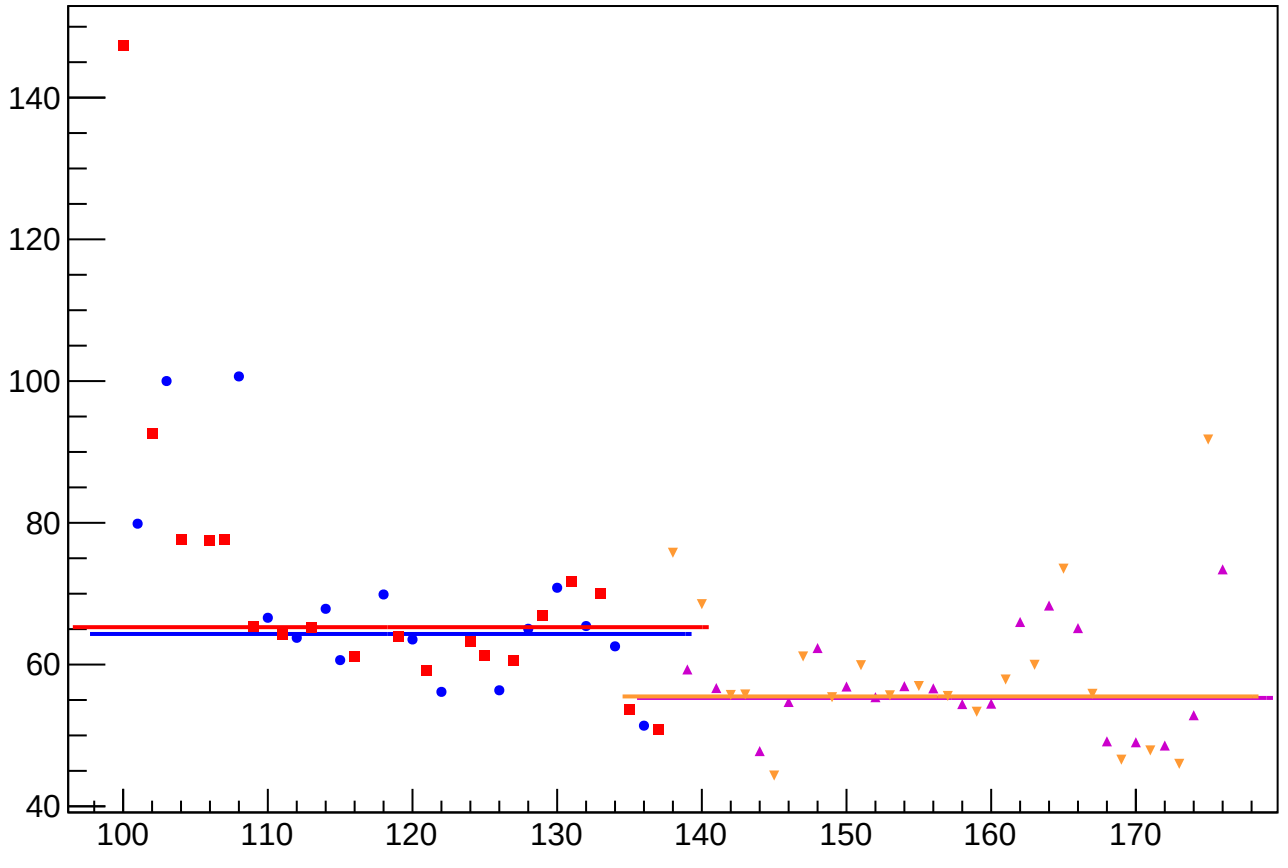
Left: -21.531+/-10.116 χ^2/NDF: 51.7/38

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -7.763+/-12.380 χ^2/NDF:50.6/34

Out: -8.468+/-12.305 χ^2/NDF:47.2/38

All: -8.118+/-8.727 χ^2/NDF: 97.7/73



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.501+/-0.010 χ^2/NDF:776862.8/19

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.293+/-0.010 χ^2/NDF:336849.2/18

Left: 55.398+/-0.007 χ^2/NDF: 1113923.7/38

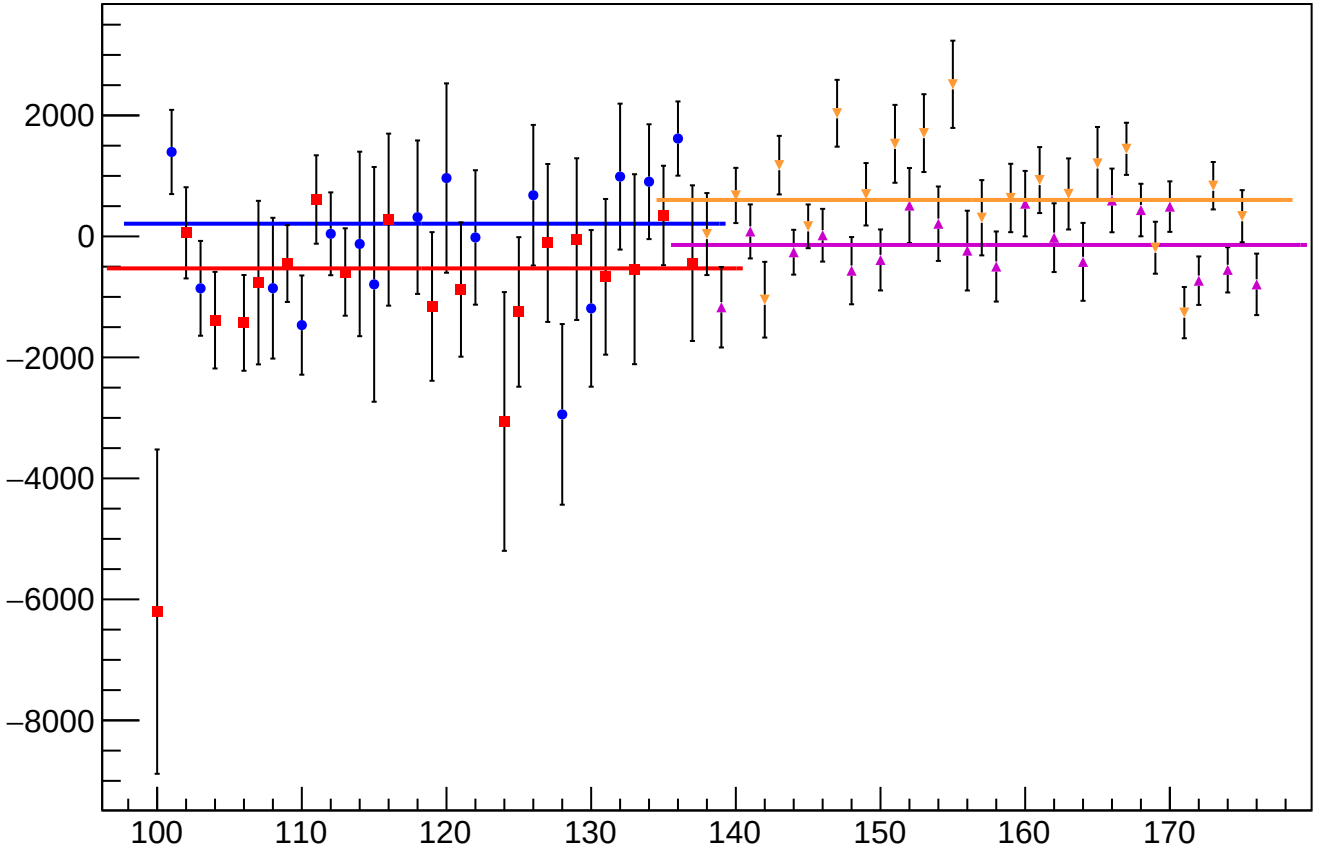
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.599+/-0.009 χ^2/NDF:1003917.5/34

Out: 58.003+/-0.009 χ^2/NDF:1336385.4/38

All: 57.802+/-0.006 χ^2/NDF: 2341375.3/73

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 603.042+/-113.064 χ^2/NDF:58.3/19

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -141.251+/-112.989 χ^2/NDF:18.4/18

Left: 230.649+/-79.922 χ^2/NDF: 98.4/38

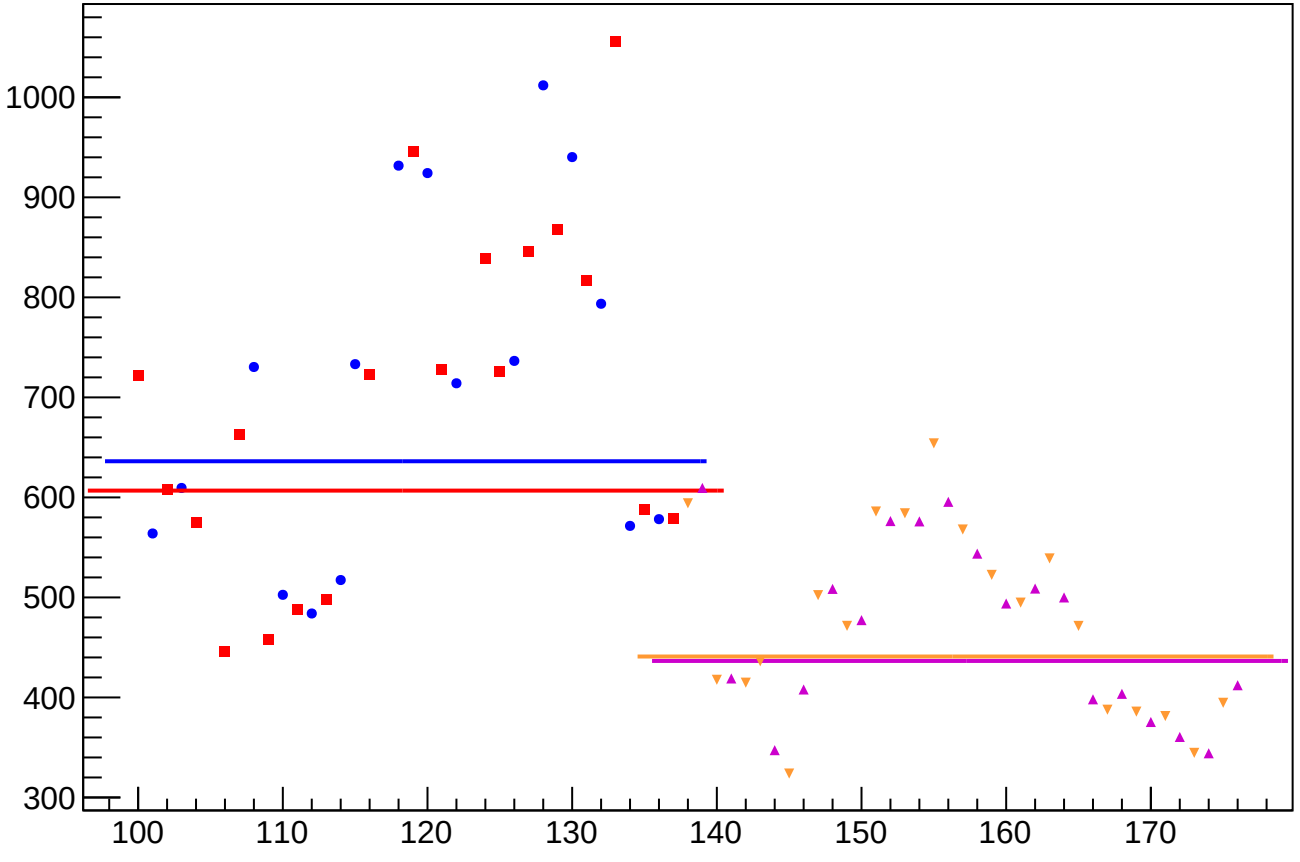
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -79.142+/-102.515 χ^2/NDF:42.6/34

Out: 382.288+/-101.439 χ^2/NDF:91.6/38

All: 154.006+/-72.106 χ^2/NDF: 144.4/73

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.928+/-0.080 χ^2/NDF:1179475.5/19

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 436.502+/-0.080 χ^2/NDF:1036648.4/18

Left: 438.713+/-0.057 χ^2/NDF: 2217657.6/38

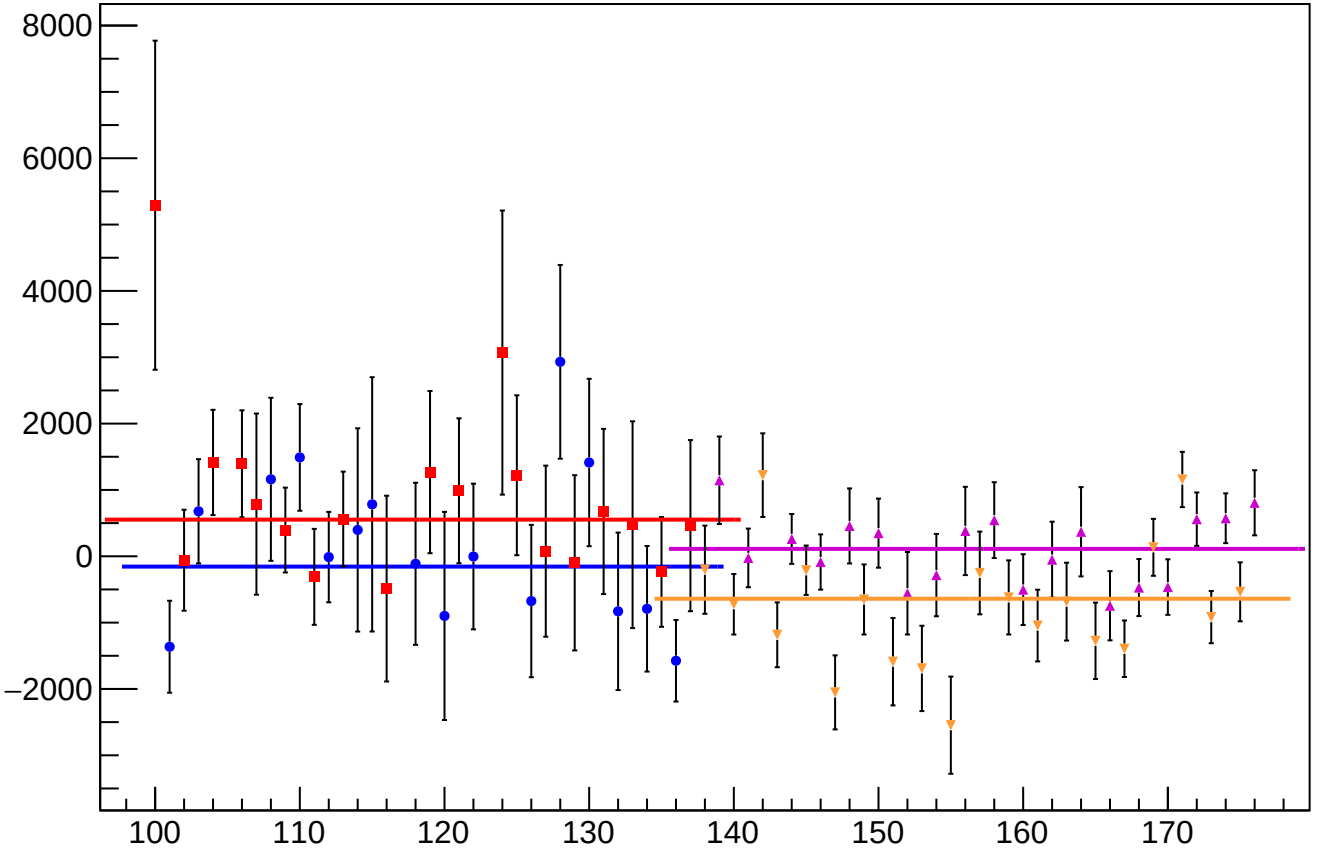
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 471.801+/-0.072 χ^2/NDF:2845900.8/34

Out: 473.284+/-0.072 χ^2/NDF:2913028.2/38

All: 472.550+/-0.051 χ^2/NDF: 5759140.5/73

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -639.814+/-113.439 χ^2/NDF:57.4/19

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 111.435+/-112.798 χ^2/NDF:18.6/18

Left: -262.060+/-79.986 χ^2/NDF: 98.0/38

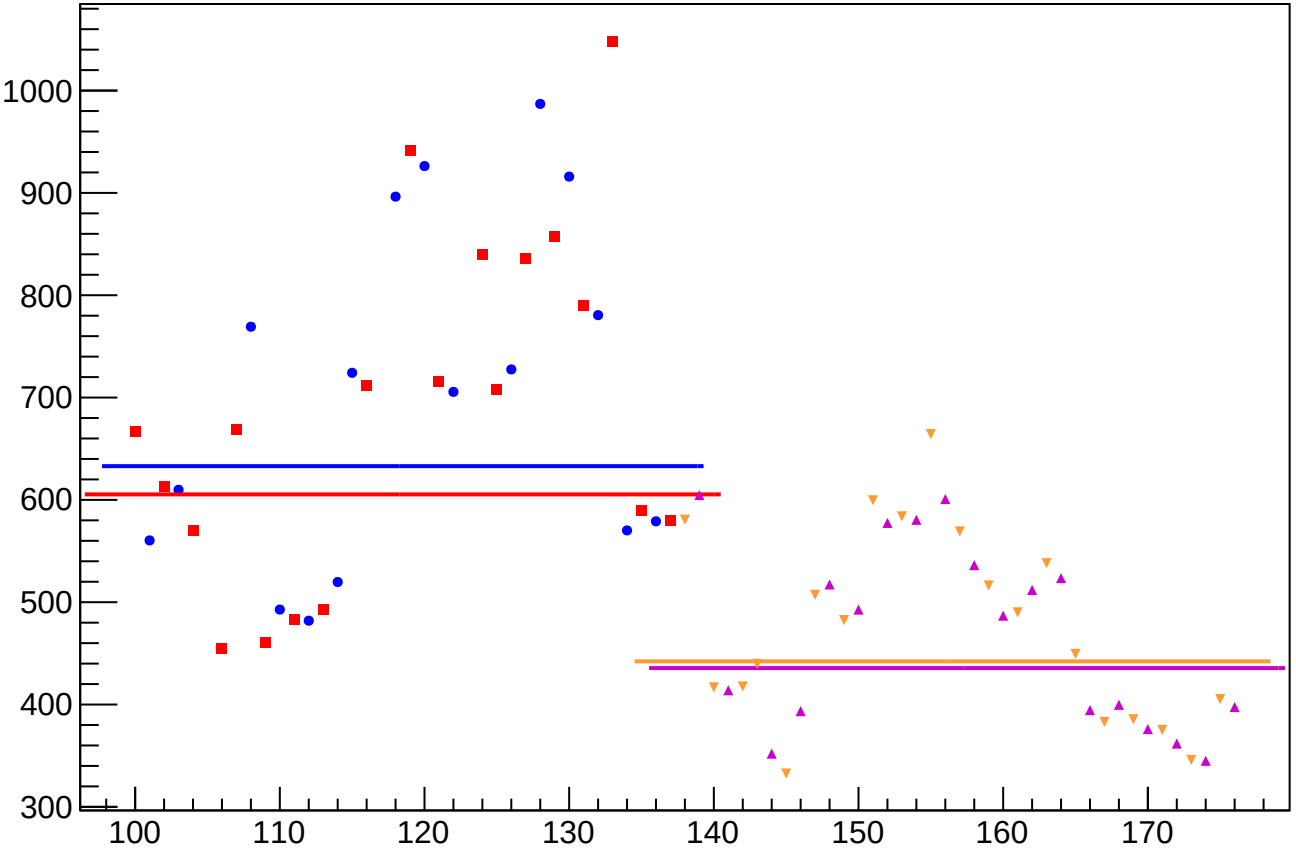
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 63.958+/-102.282 χ^2/NDF:42.0/34

Out: -404.766+/-101.641 χ^2/NDF:91.3/38

All: -171.878+/-72.097 χ^2/NDF: 143.9/73

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 442.192+/-0.080 χ^2/NDF:1149652.4/19

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 435.627+/-0.080 χ^2/NDF:1071322.6/18

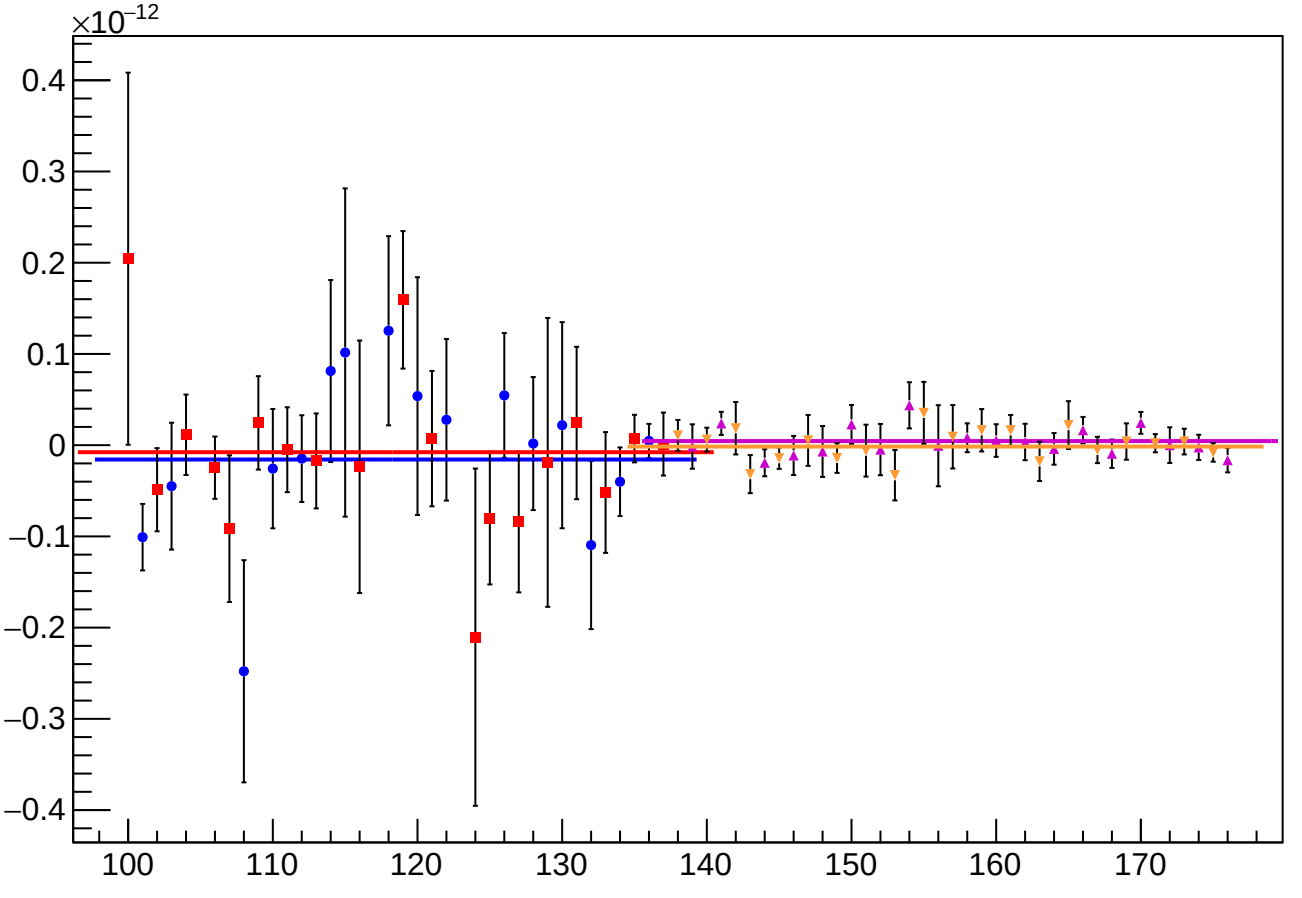
Left: 438.891+/-0.057 χ^2/NDF: 2224343.0/38

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 470.706+/-0.072 χ^2/NDF:2840616.0/34

Out: 474.370+/-0.072 χ^2/NDF:2819722.3/38

All: 472.549+/-0.051 χ^2/NDF: 5661629.2/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

Left: 0.000+/-0.000 χ^2/NDF: 29.2/38

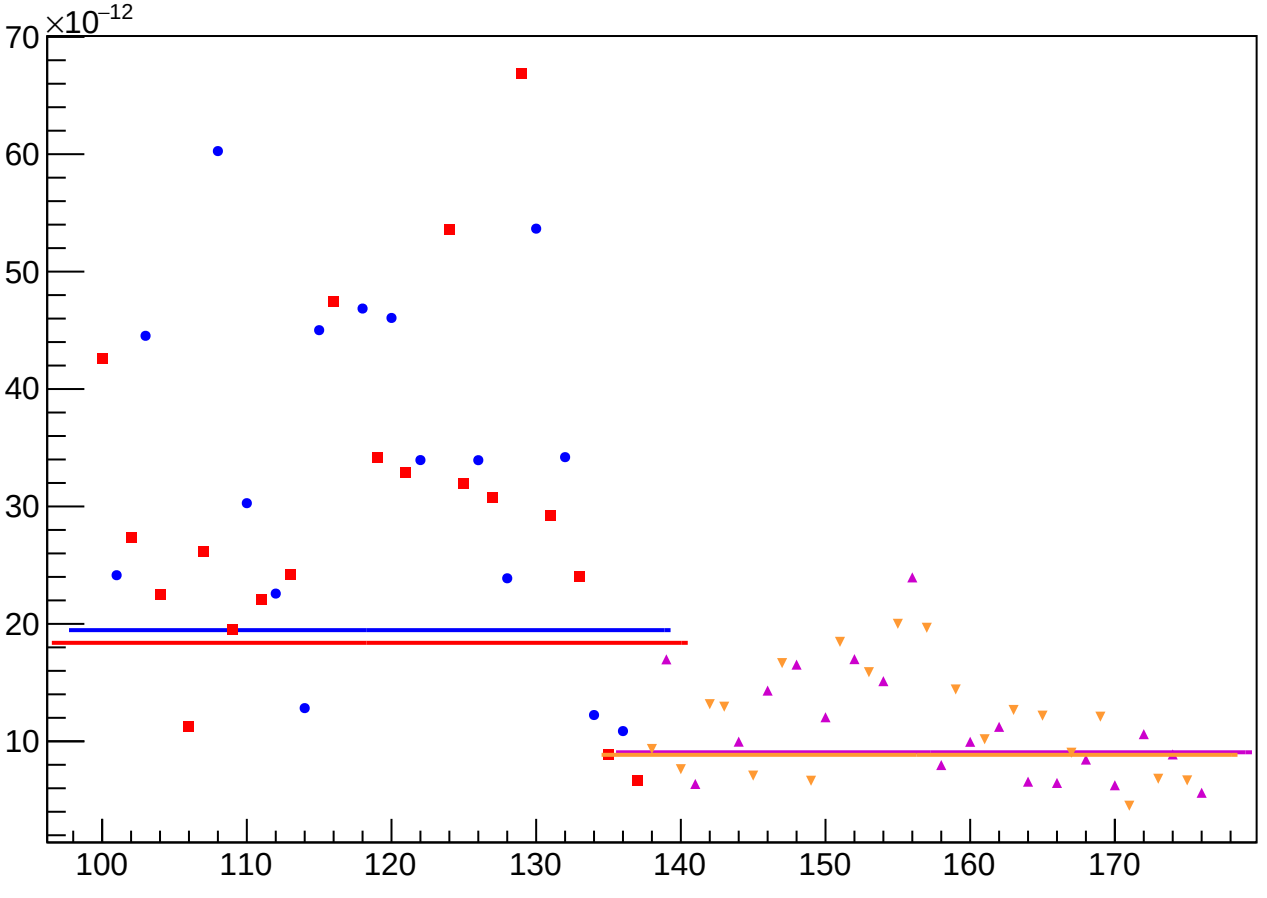
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:35.5/34

Out: -0.000+/-0.000 χ^2/NDF:25.0/38

All: 0.000+/-0.000 χ^2/NDF: 61.3/73

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935188.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1514928.8/18

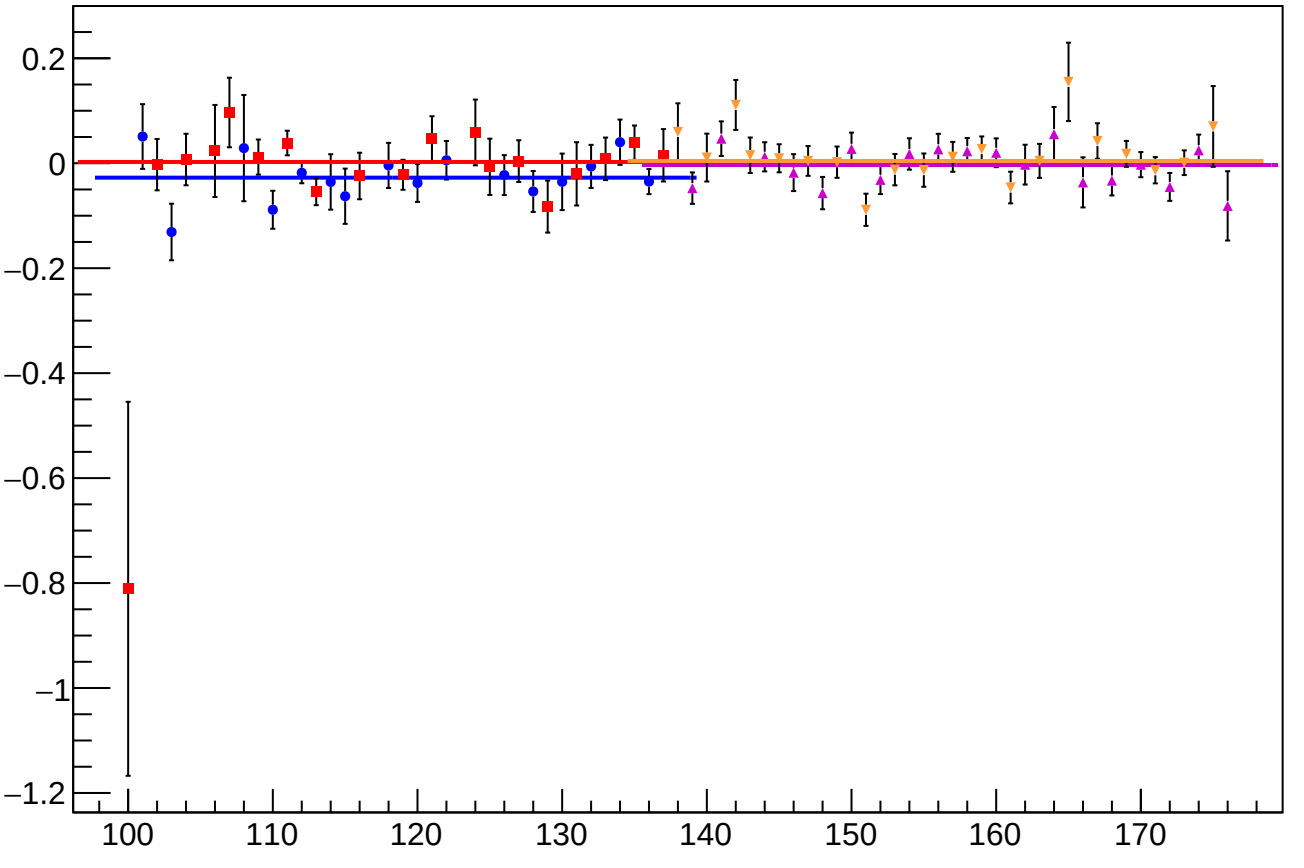
Left: 0.000+/-0.000 χ^2/NDF: 3453237.5/38

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4489403.9/34

Out: 0.000+/-0.000 χ^2/NDF:4502234.8/38

All: 0.000+/-0.000 χ^2/NDF: 8998871.9/73



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

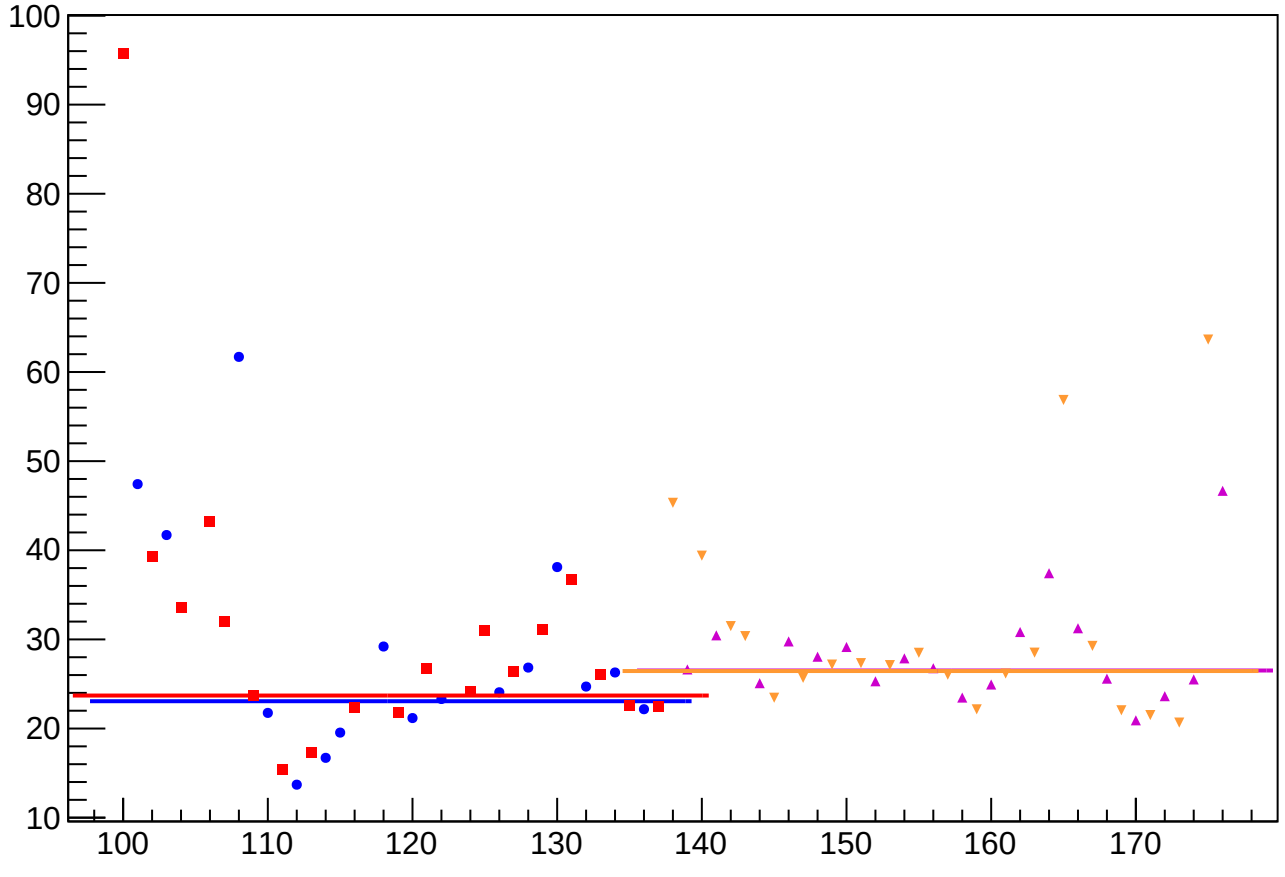
Left: 0.001+/-0.005 χ^2/NDF: 48.3/38

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 91.6/73



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

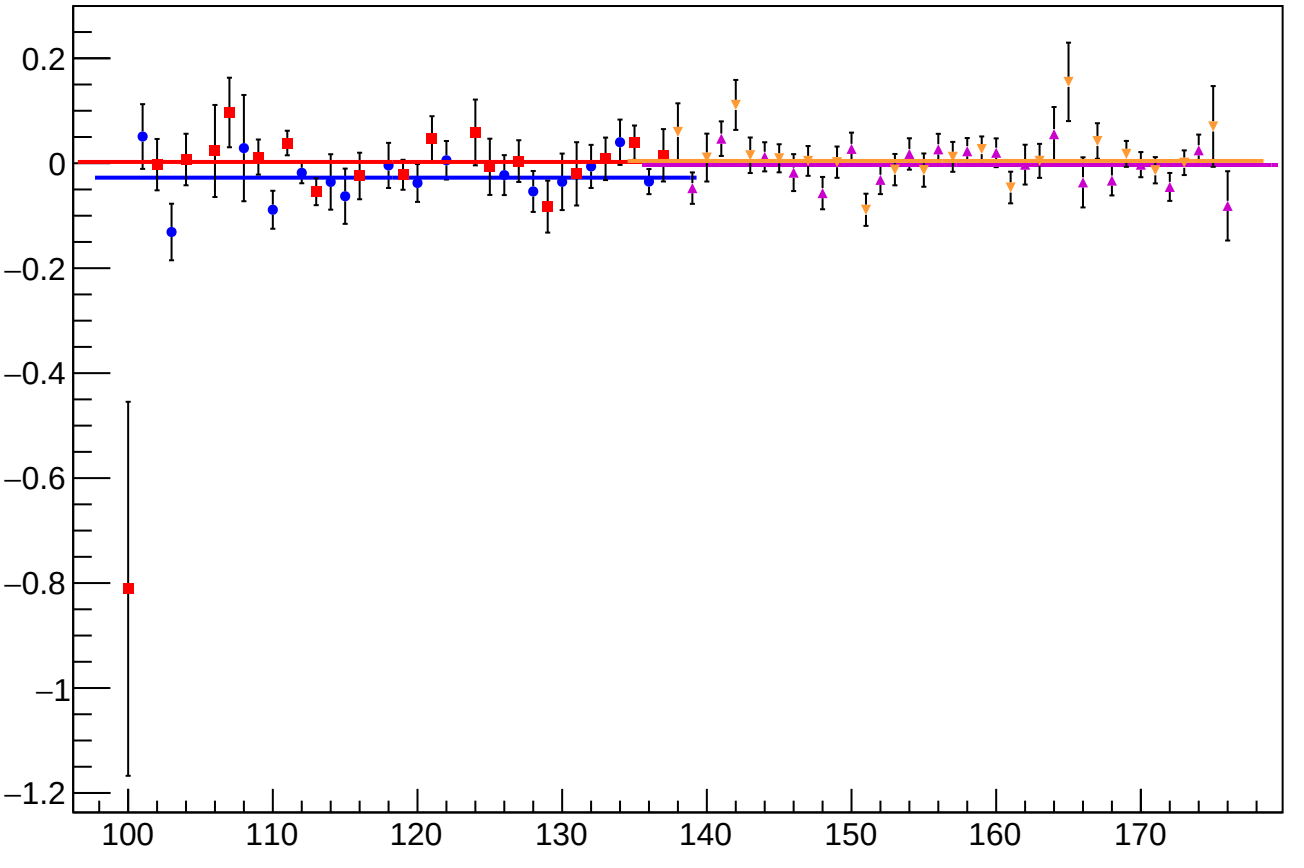
Left: 26.481+/-0.004 χ^2/NDF: 2208868.2/38

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.265+/-0.004 χ^2/NDF:2308719.2/34

Out: 25.454+/-0.004 χ^2/NDF:2836353.9/38

All: 25.361+/-0.003 χ^2/NDF: 5146200.4/73



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

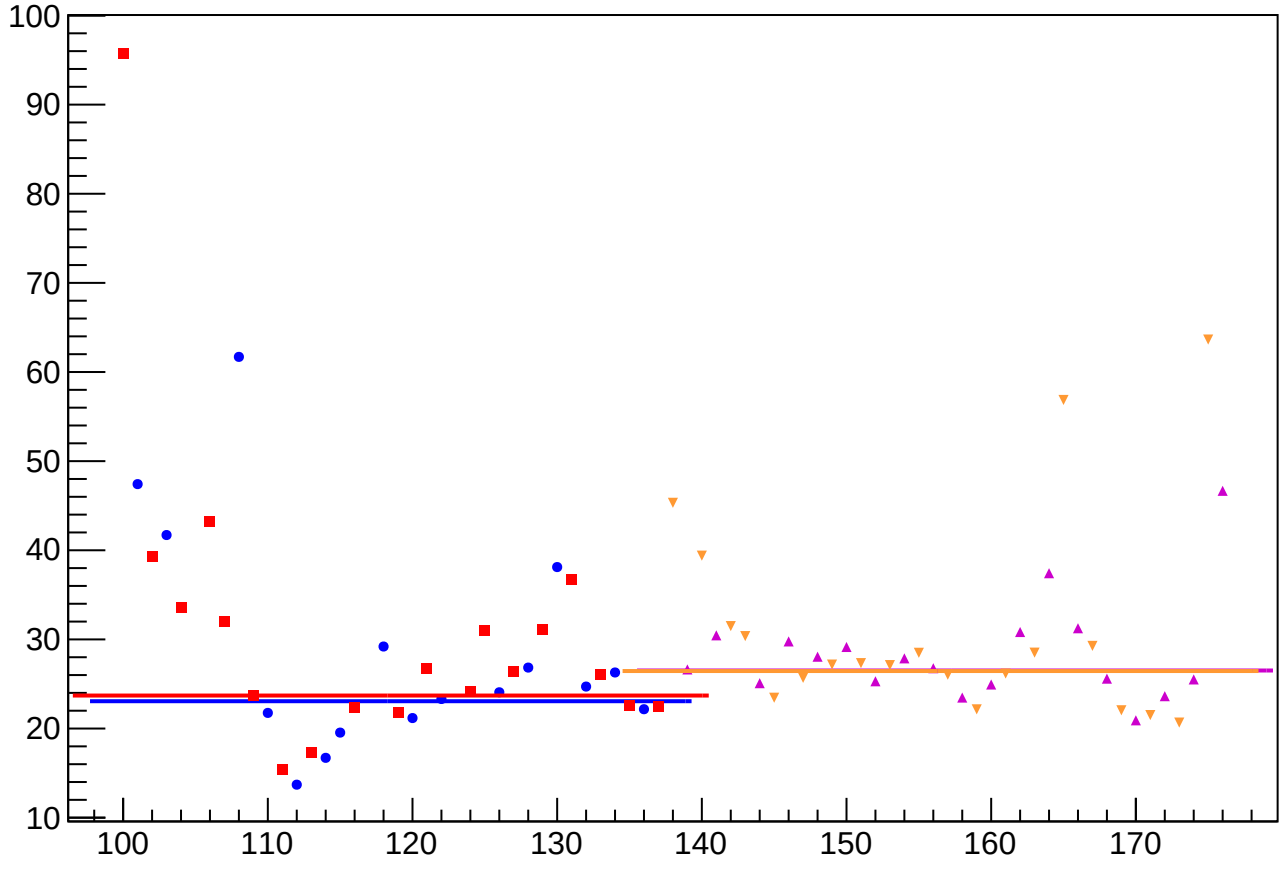
Left: 0.001+/-0.005 χ^2/NDF: 48.3/38

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 91.6/73



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636312.0/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

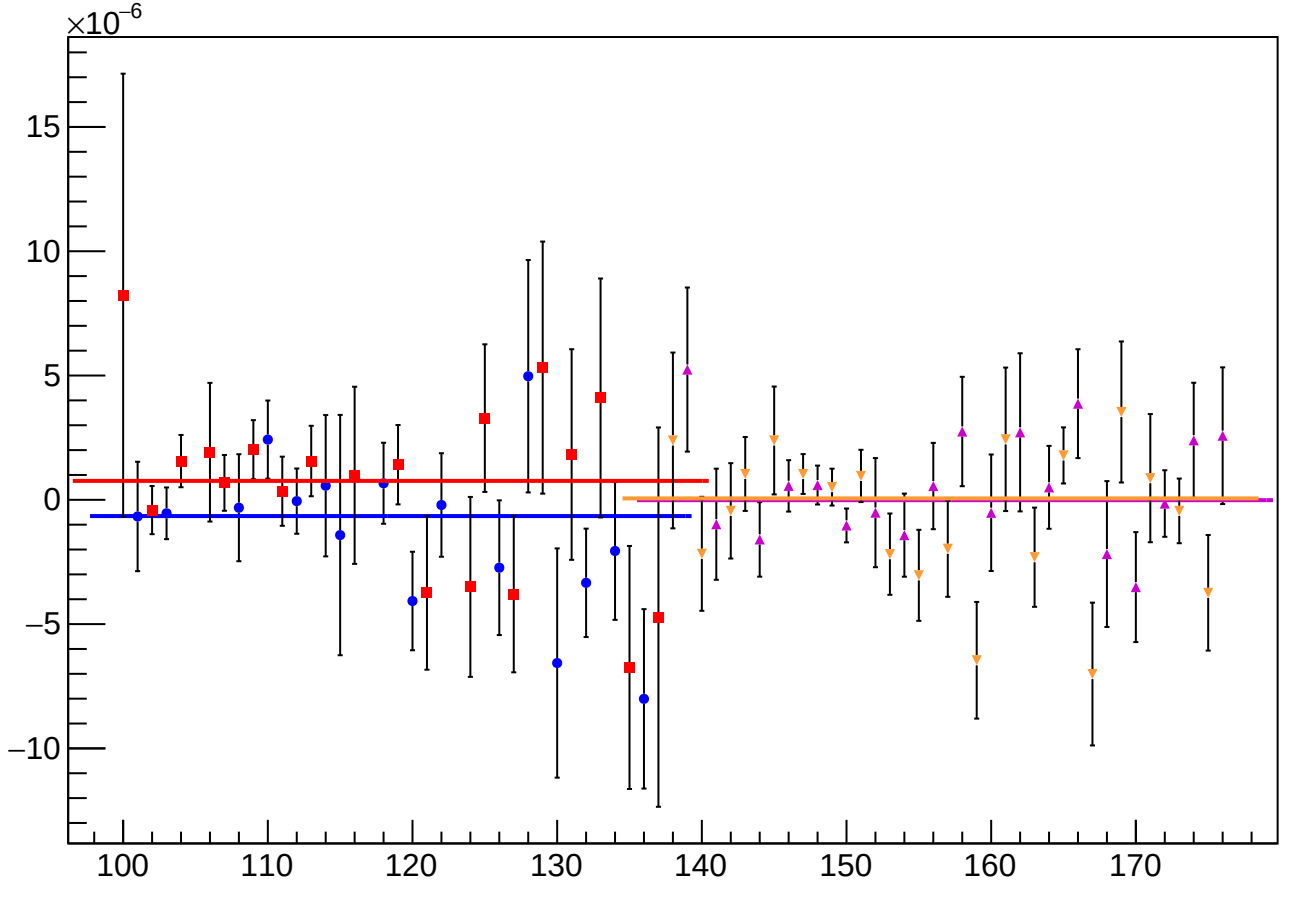
Left: 26.481+/-0.004 χ^2/NDF: 2208868.2/38

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.265+/-0.004 χ^2/NDF:2308719.2/34

Out: 25.454+/-0.004 χ^2/NDF:2836353.9/38

All: 25.361+/-0.003 χ^2/NDF: 5146200.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

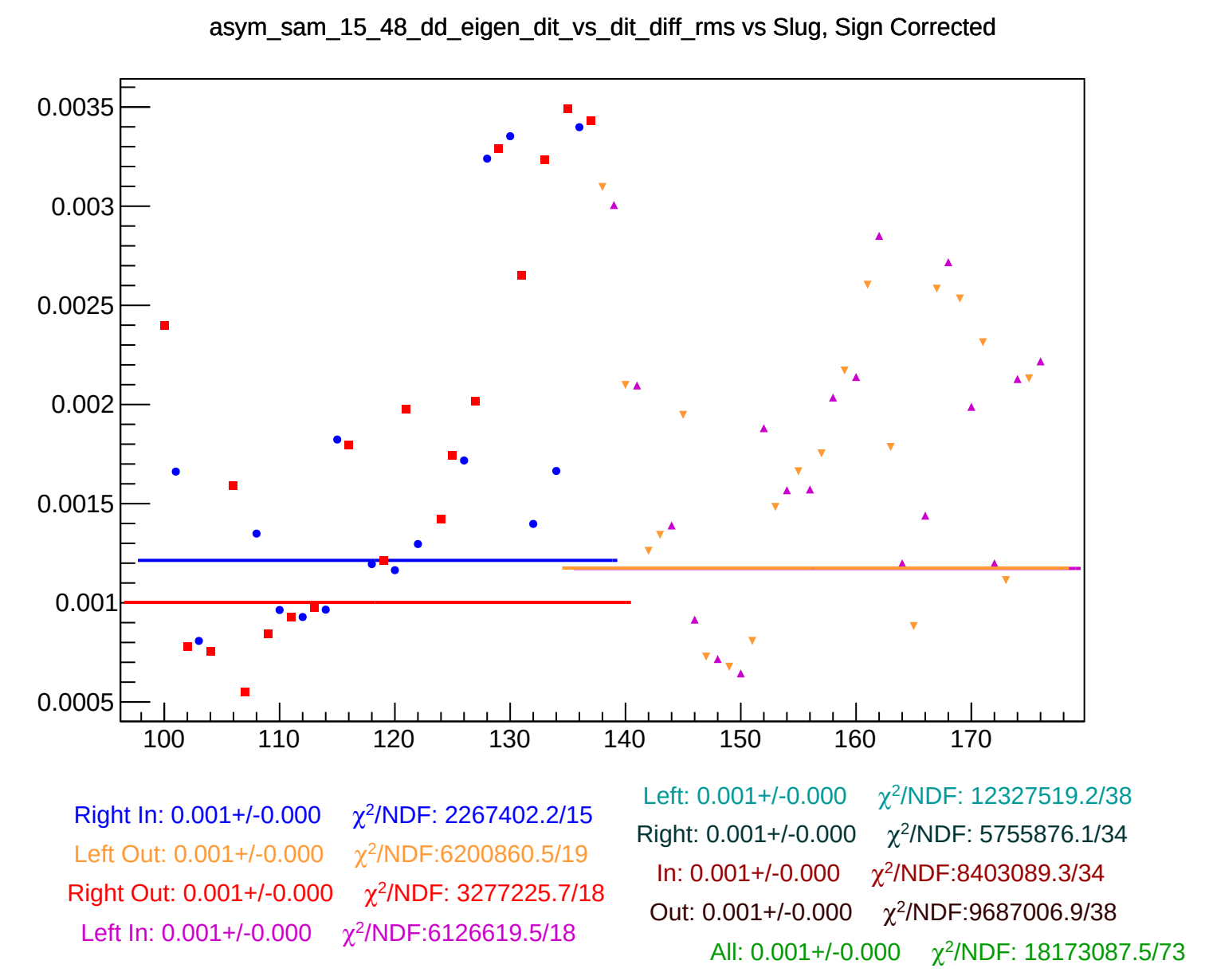
Left: 0.000+/-0.000 χ^2/NDF: 52.6/38

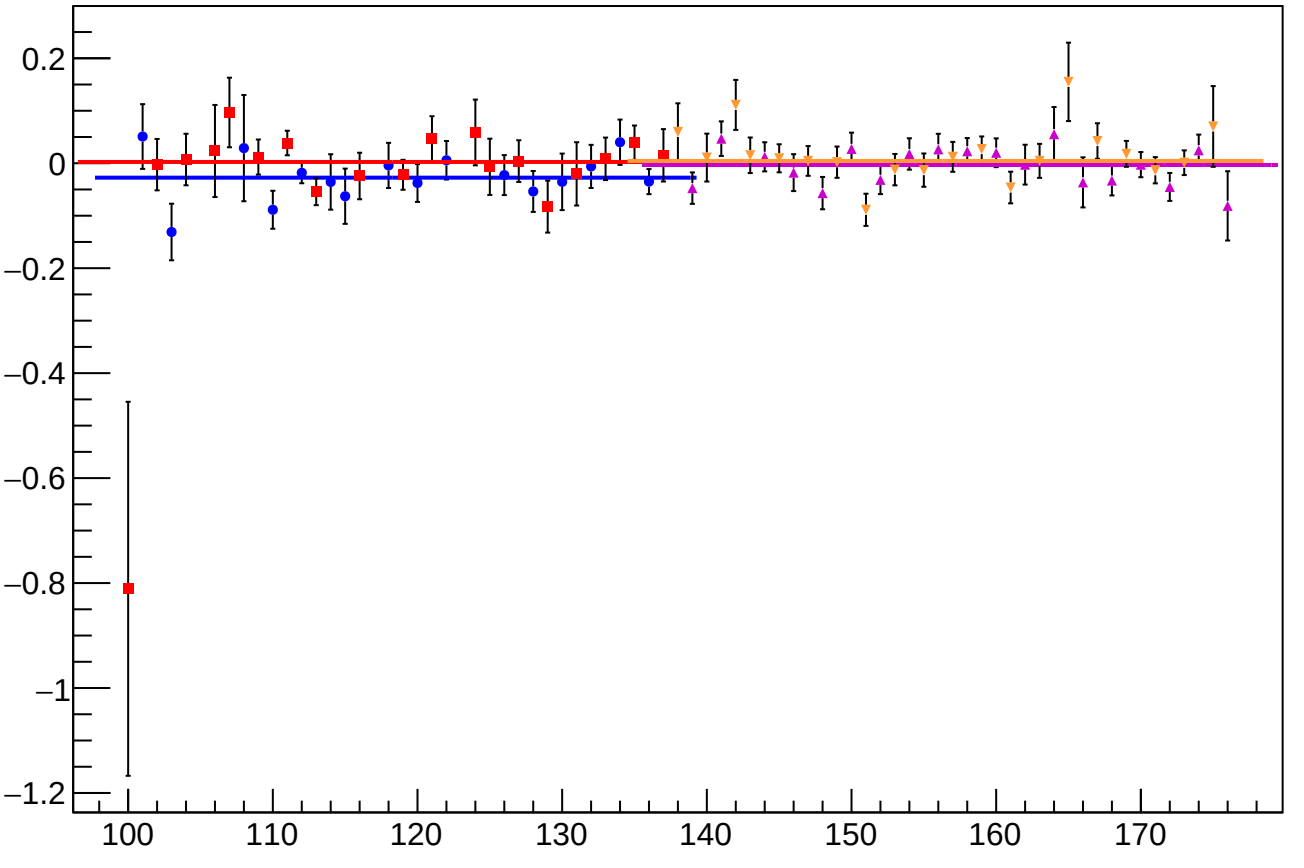
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/34

Out: 0.000+/-0.000 χ^2/NDF:51.0/38

All: 0.000+/-0.000 χ^2/NDF: 90.2/73


asym_sam_15_48_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: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6200860.5/19
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6126619.5/18
Left: 0.001+/-0.000 χ²/NDF: 12327519.2/38
Right: 0.001+/-0.000 χ²/NDF: 5755876.1/34
In: 0.001+/-0.000 χ²/NDF:8403089.3/34
Out: 0.001+/-0.000 χ²/NDF:9687006.9/38
All: 0.001+/-0.000 χ²/NDF: 18173087.5/73



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

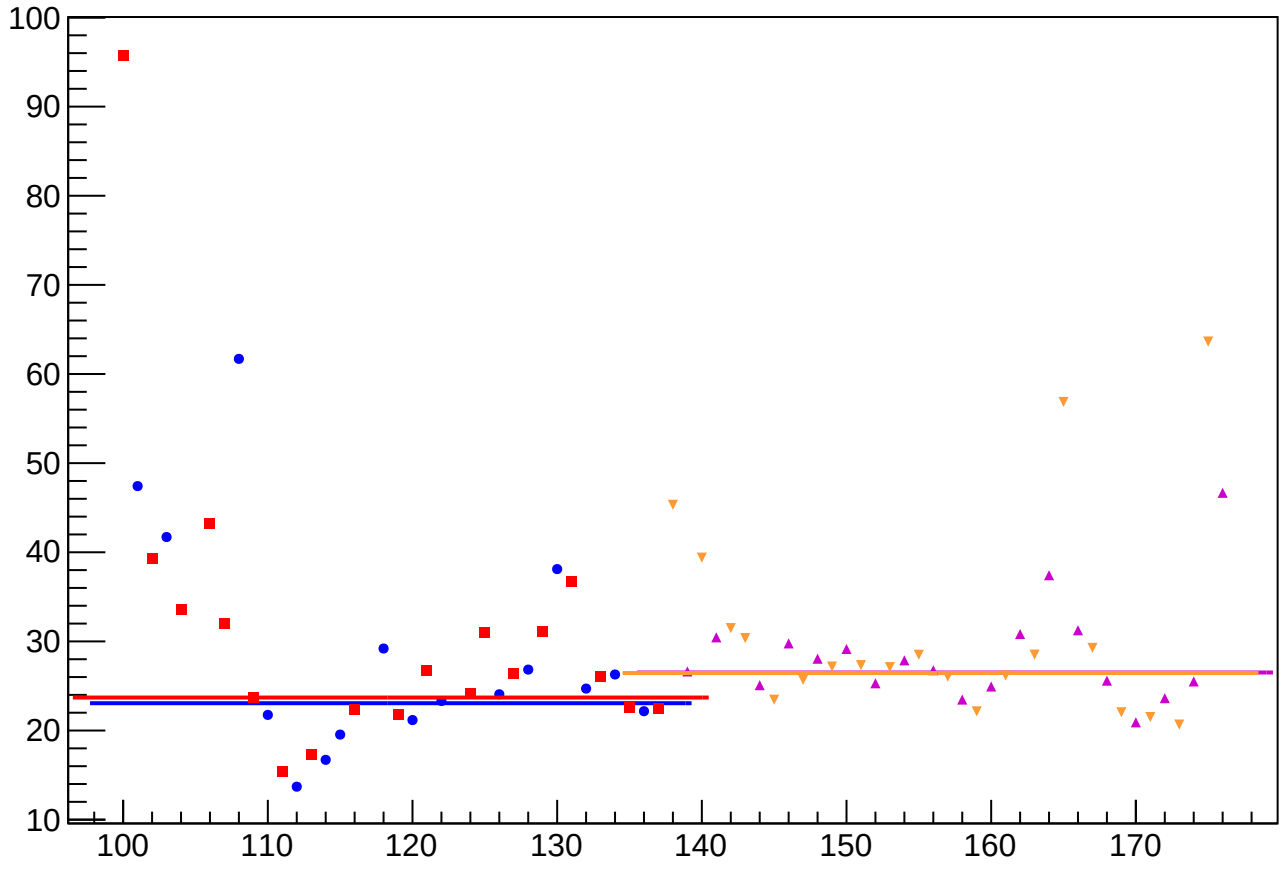
Left: 0.001+/-0.005 χ^2/NDF: 48.3/38

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 91.6/73



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

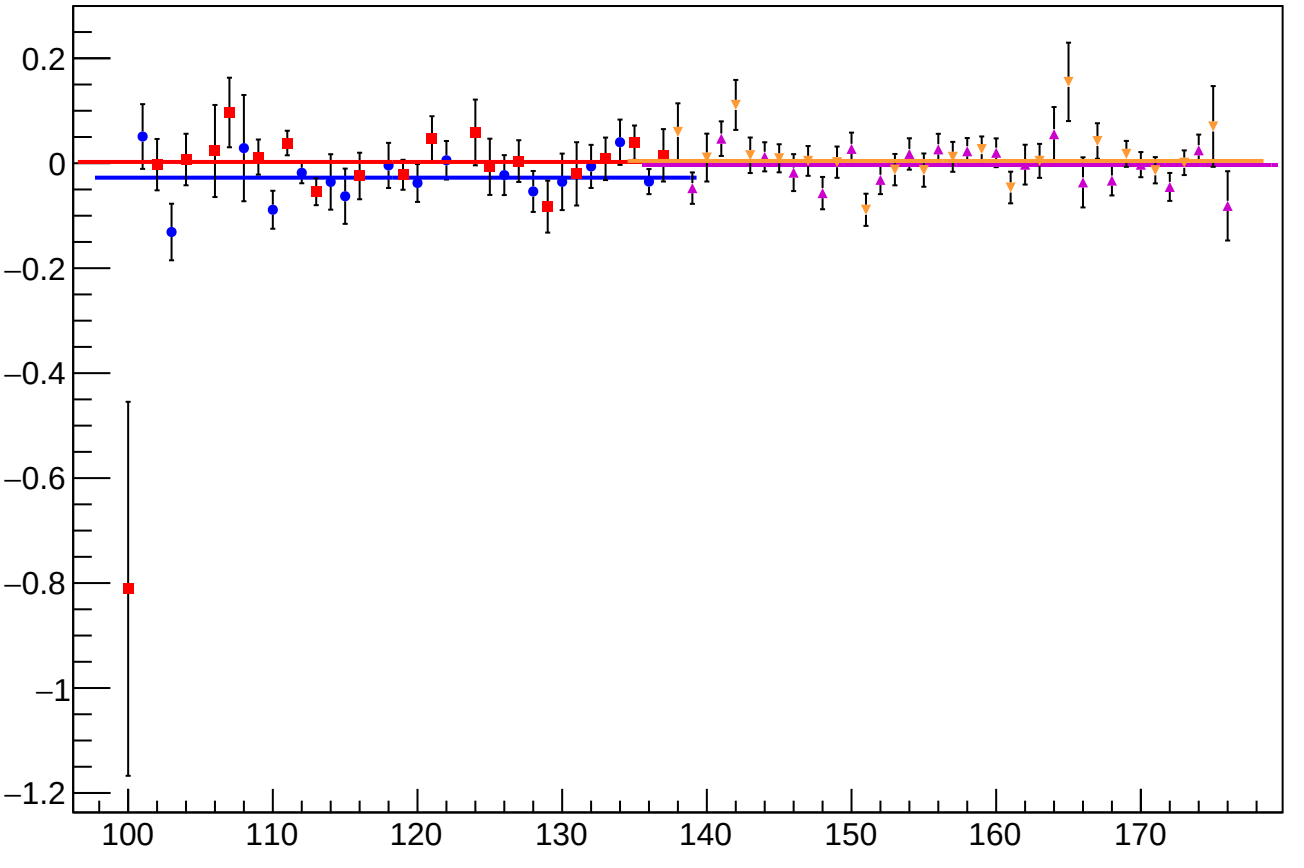
Left: 26.481+/-0.004 χ^2/NDF: 2208811.9/38

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.265+/-0.004 χ^2/NDF:2308766.8/34

Out: 25.454+/-0.004 χ^2/NDF:2836387.6/38

All: 25.361+/-0.003 χ^2/NDF: 5146282.7/73



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.7/19

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

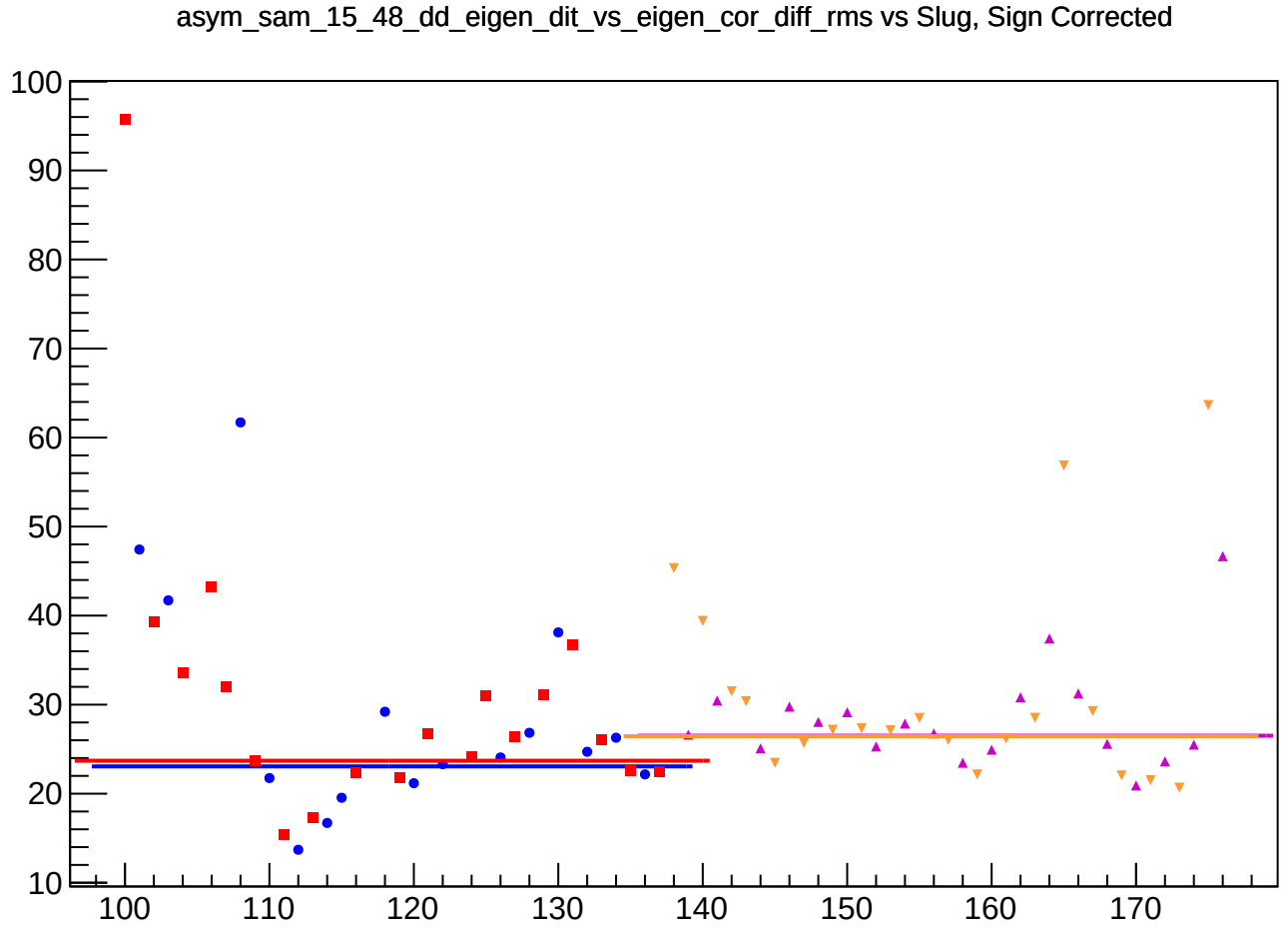
Left: 0.001+/-0.005 χ^2/NDF: 48.3/38

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:48.8/38

All: -0.004+/-0.004 χ^2/NDF: 91.6/73



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.451+/-0.005 χ^2/NDF:1636261.6/19

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

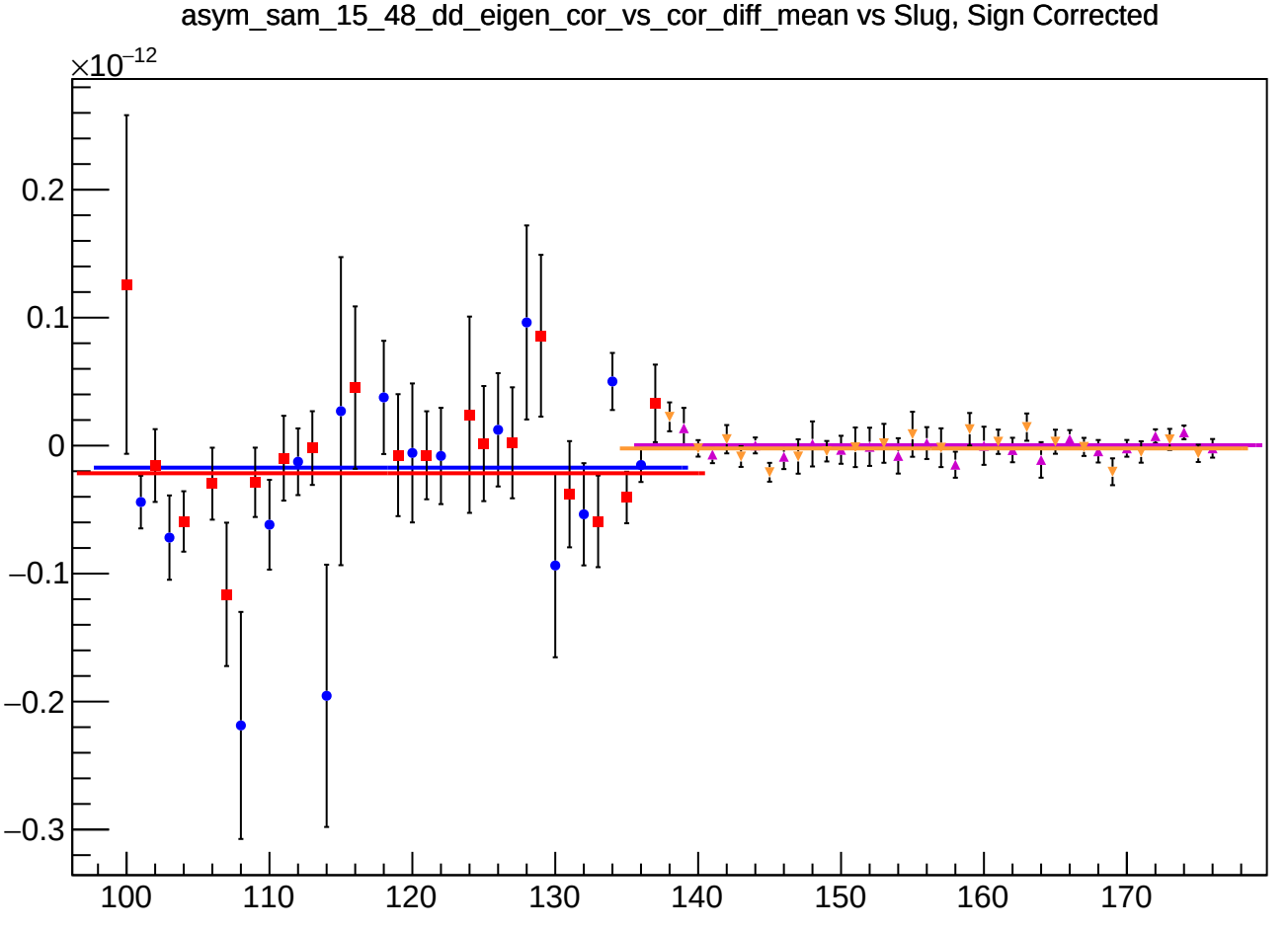
Left: 26.481+/-0.004 χ^2/NDF: 2208811.9/38

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.265+/-0.004 χ^2/NDF:2308766.8/34

Out: 25.454+/-0.004 χ^2/NDF:2836387.6/38

All: 25.361+/-0.003 χ^2/NDF: 5146282.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

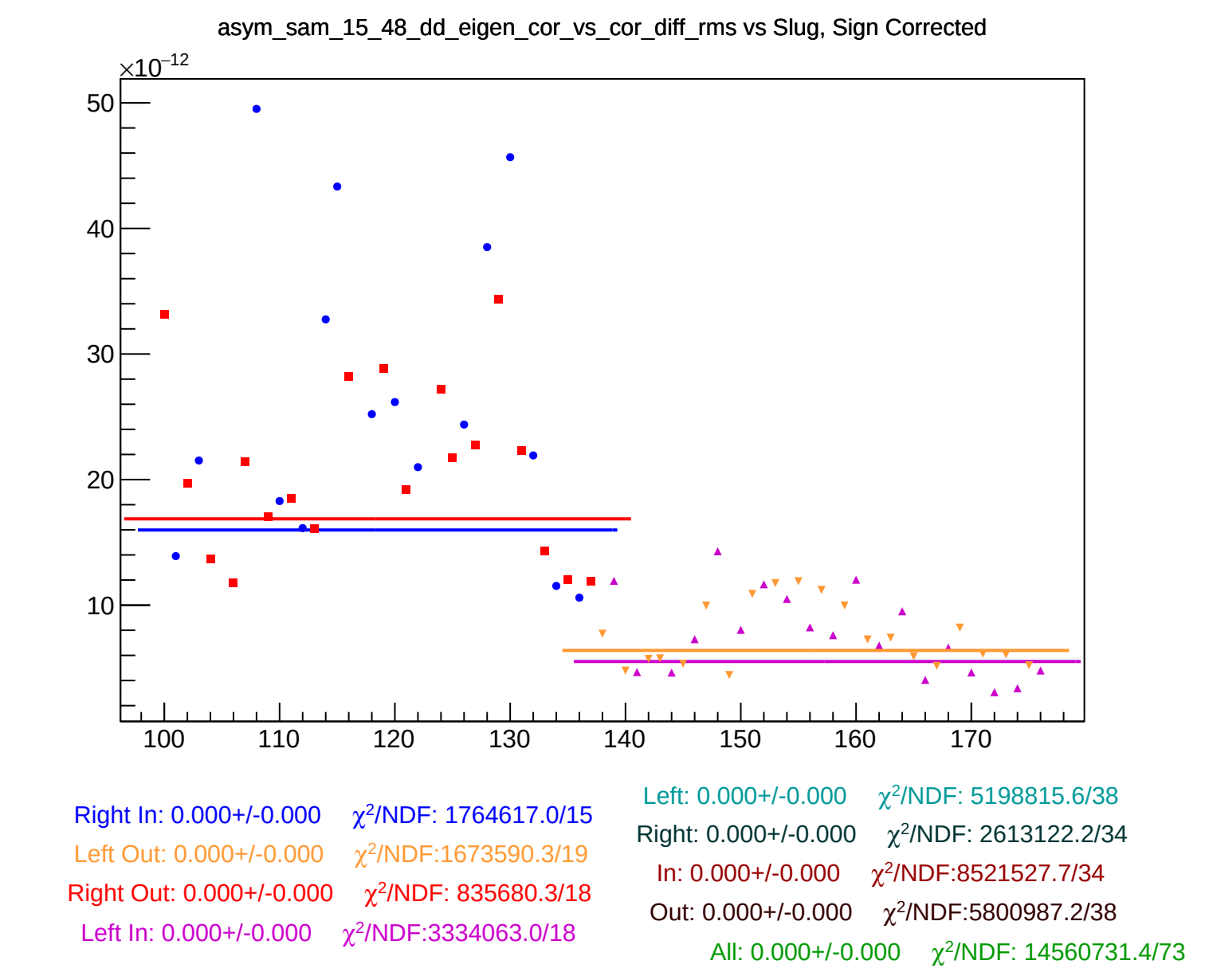
Left: -0.000+/-0.000 χ^2/NDF: 35.1/38

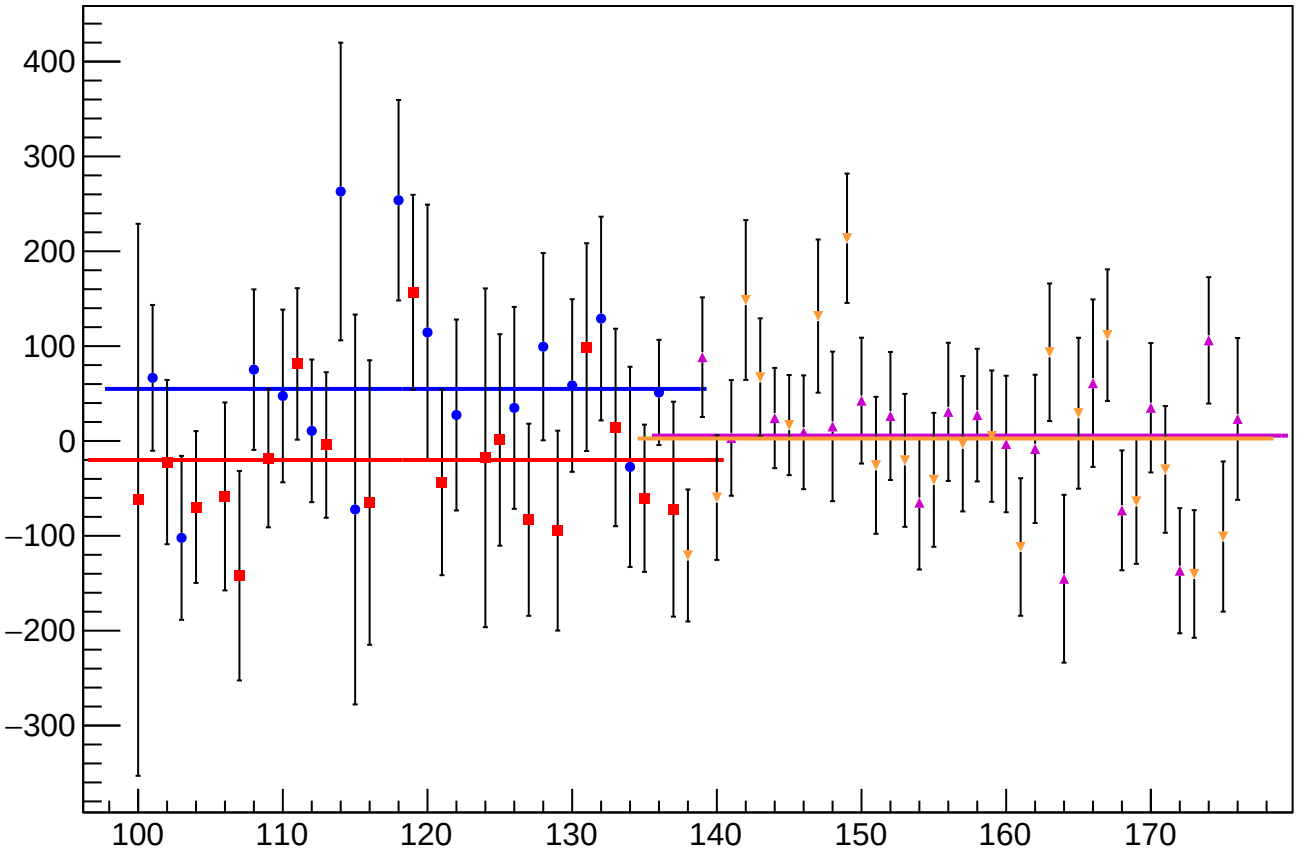
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.2/34

Out: -0.000+/-0.000 χ^2/NDF:45.3/38

All: -0.000+/-0.000 χ^2/NDF: 93.6/73


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:1673590.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3334063.0/18
Left: 0.000+/-0.000 χ²/NDF: 5198815.6/38
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8521527.7/34
Out: 0.000+/-0.000 χ²/NDF:5800987.2/38
All: 0.000+/-0.000 χ²/NDF: 14560731.4/73



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.602+/-15.527 χ^2/NDF:35.1/19

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 5.636+/-15.756 χ^2/NDF:15.5/18

Left: 4.097+/-11.059 χ^2/NDF: 50.6/38

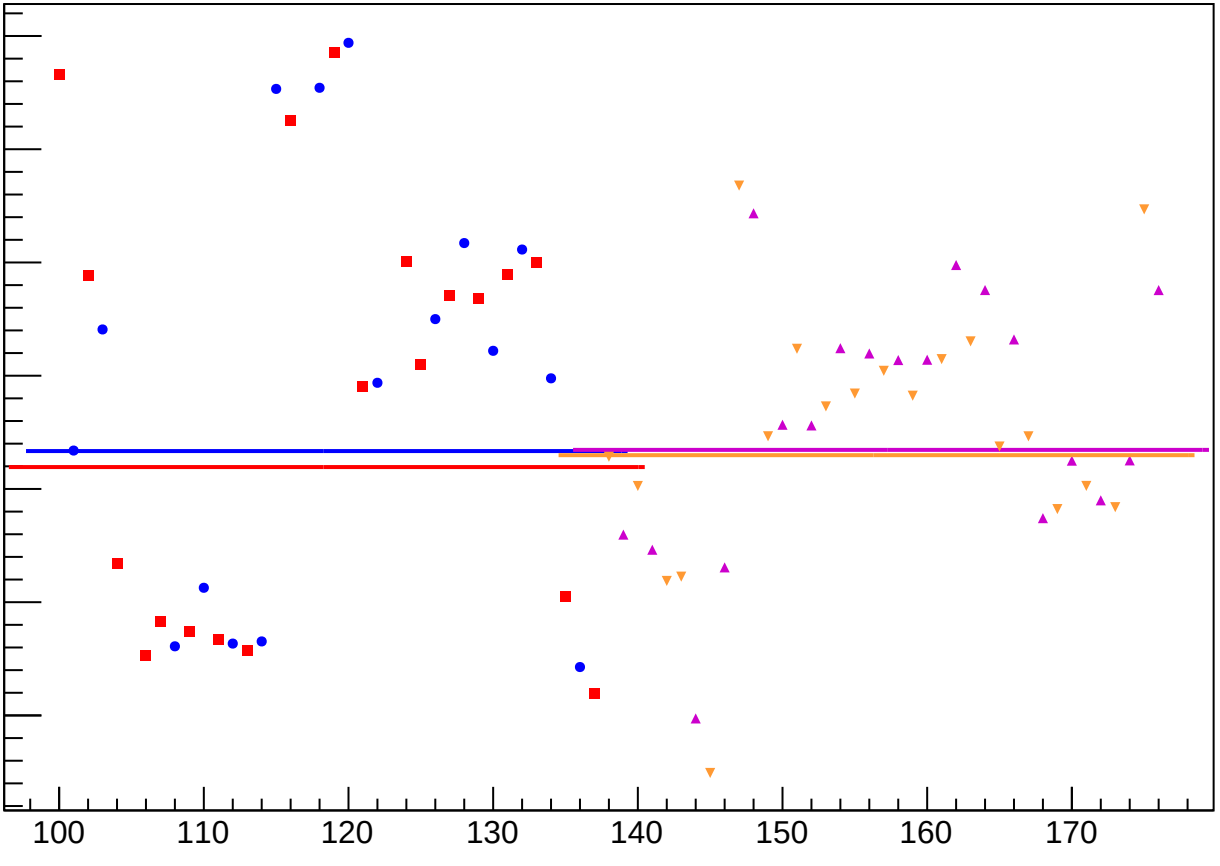
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.199+/-13.030 χ^2/NDF:29.6/34

Out: -4.665+/-12.792 χ^2/NDF:45.0/38

All: 8.029+/-9.129 χ^2/NDF: 76.7/73

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: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

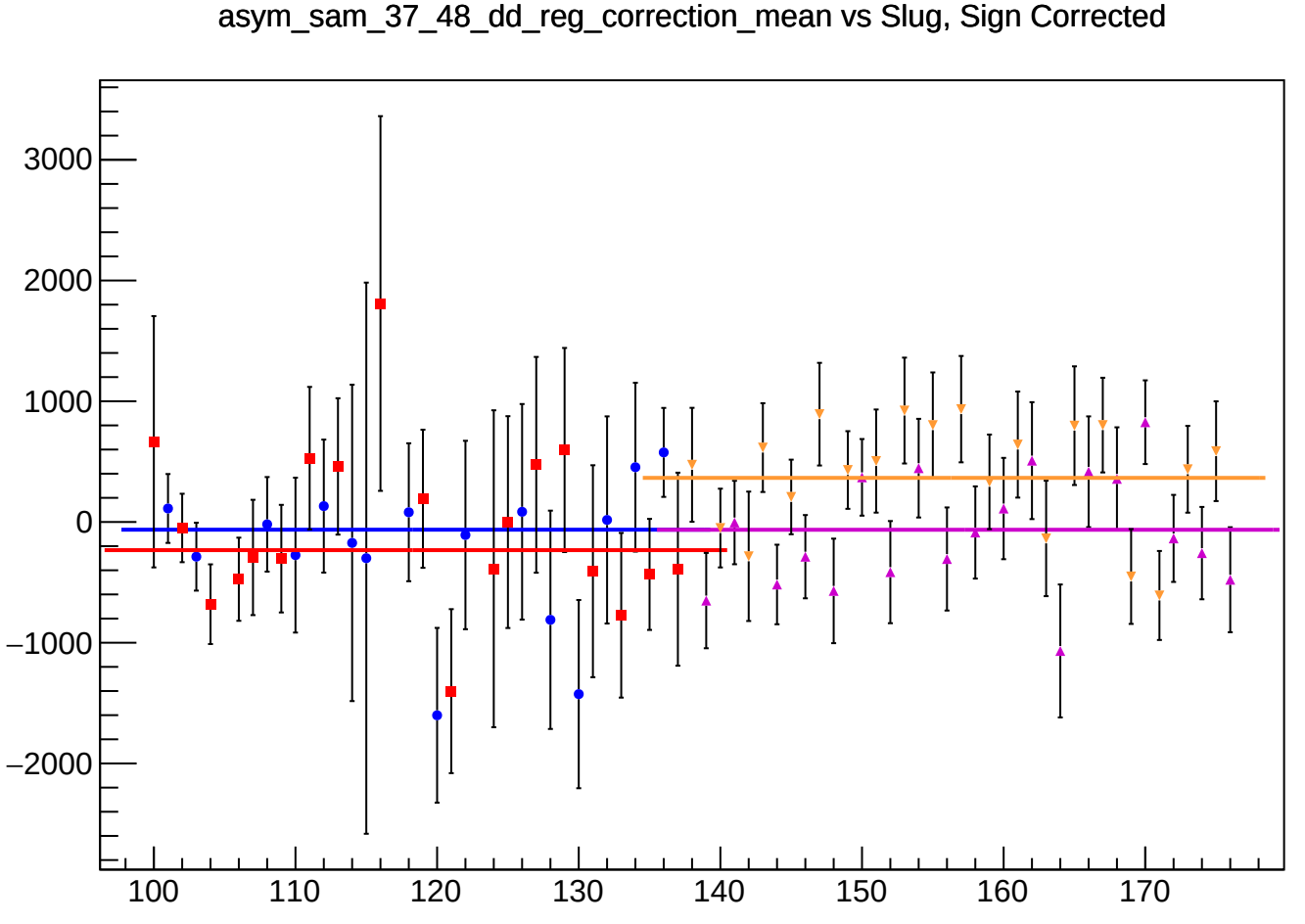
Left: 61.607+/-0.008 χ^2/NDF: 549729.2/38

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.709+/-0.009 χ^2/NDF:525278.3/34

Out: 61.323+/-0.009 χ^2/NDF:576257.6/38

All: 61.512+/-0.006 χ^2/NDF: 1102431.2/73



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -64.471+/-90.080 χ^2/NDF:25.1/18

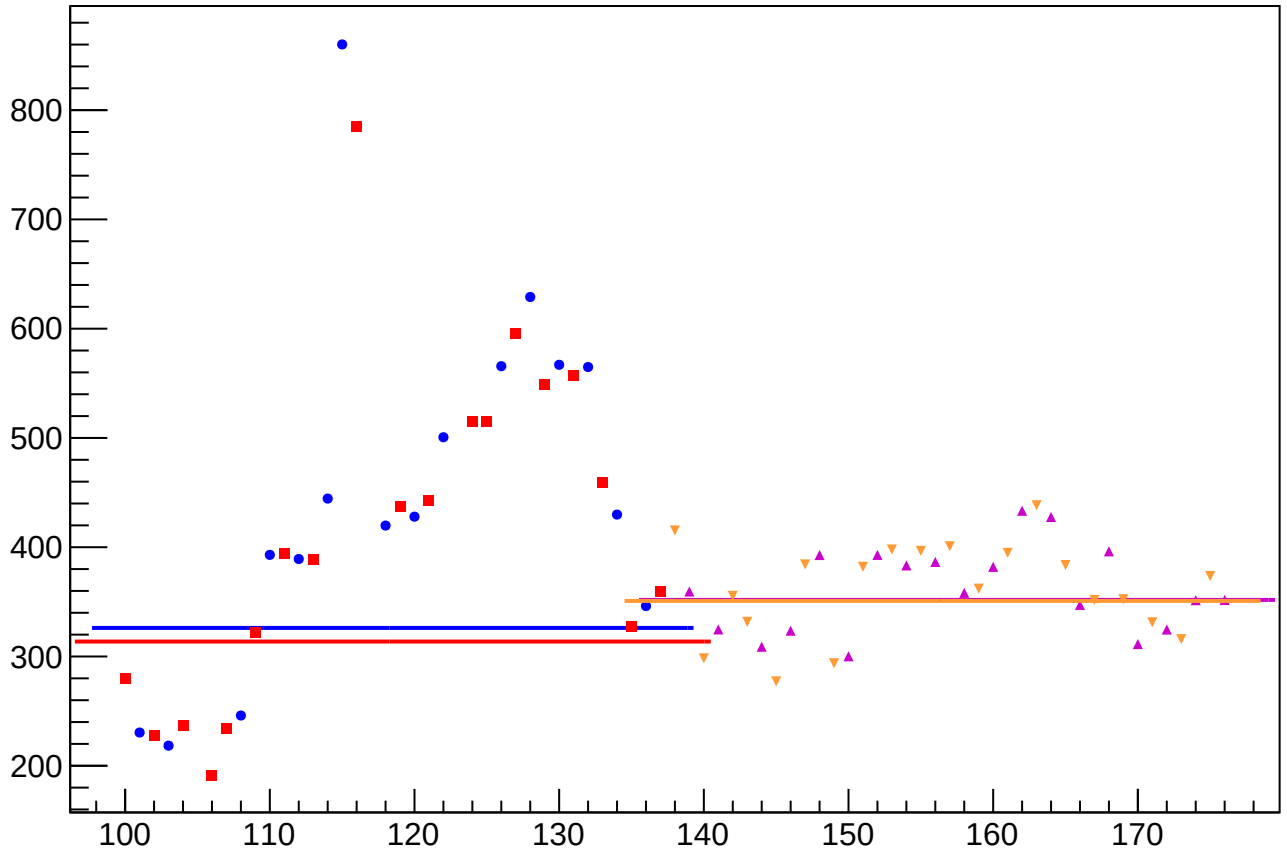
Left: 152.544+/-63.379 χ^2/NDF: 61.6/38

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -64.264+/-73.982 χ^2/NDF:38.3/34

Out: 158.585+/-72.163 χ^2/NDF:55.1/38

All: 49.933+/-51.658 χ^2/NDF: 98.1/73



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 350.843+/-0.063 χ^2/NDF:493656.8/19

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.779+/-0.064 χ^2/NDF:341242.5/18

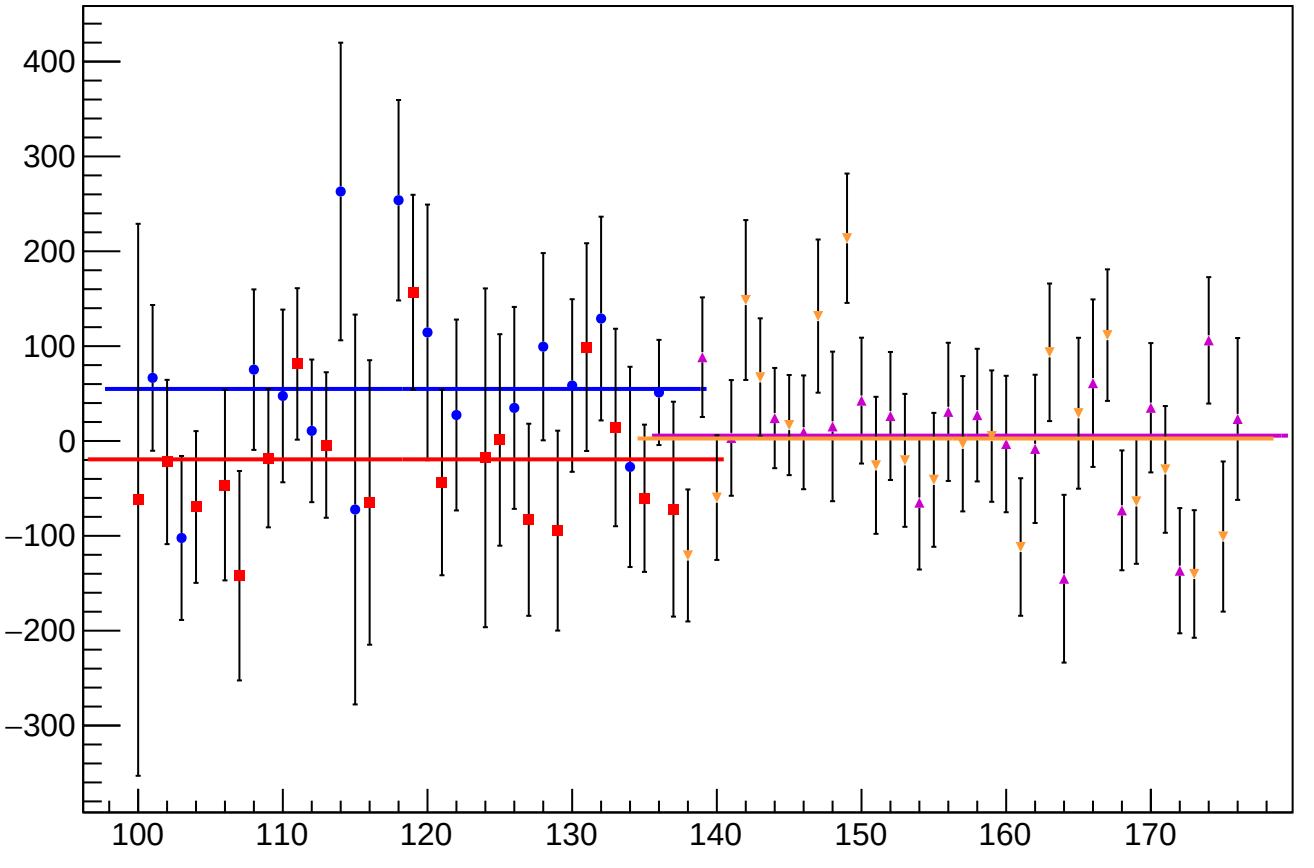
Left: 351.306+/-0.045 χ^2/NDF: 835008.2/38

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.436+/-0.052 χ^2/NDF:2127942.2/34

Out: 338.005+/-0.051 χ^2/NDF:2400977.8/38

All: 340.653+/-0.037 χ^2/NDF: 4534443.2/73



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.635+/-15.756 χ^2/NDF:15.5/18

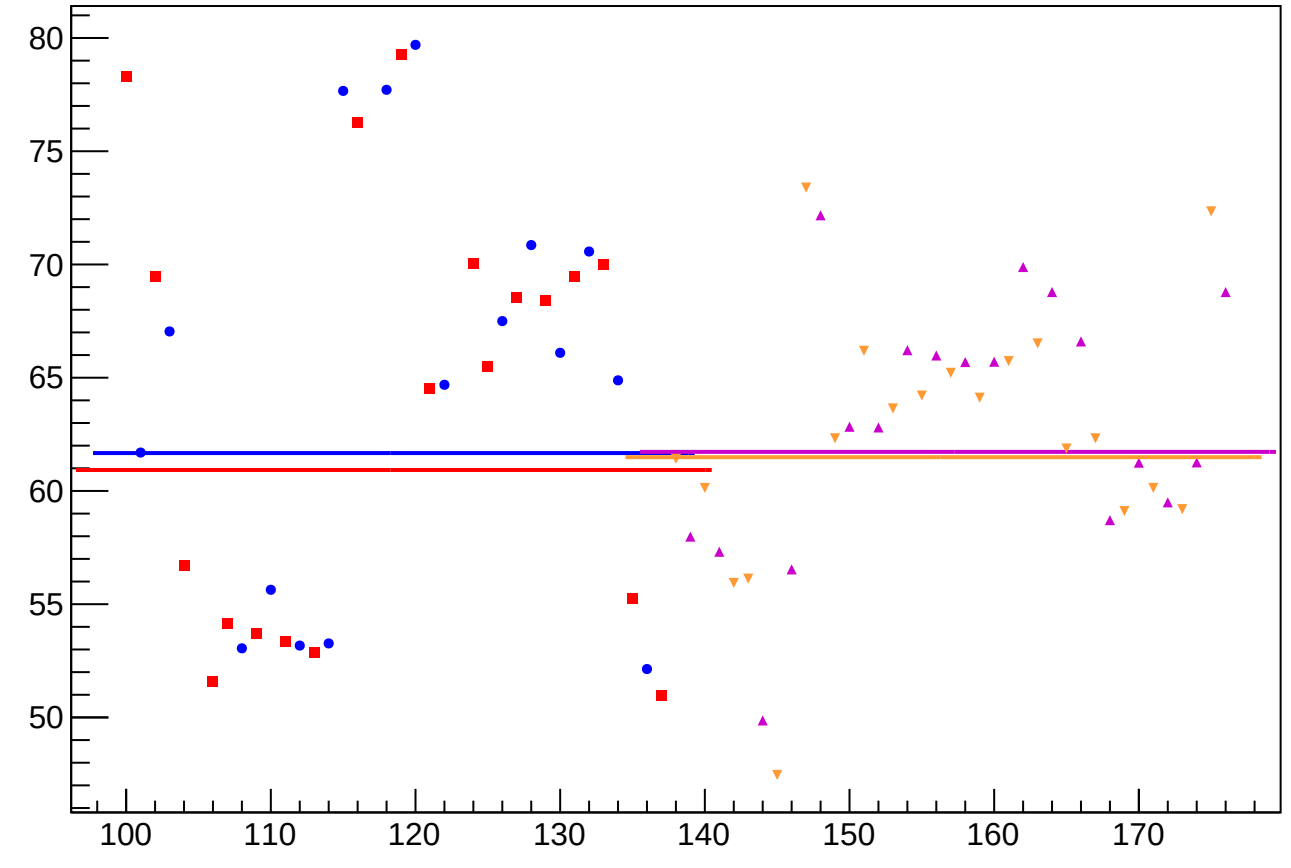
Left: 4.095+/-11.059 χ^2/NDF: 50.7/38

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.197+/-13.030 χ^2/NDF:29.6/34

Out: -4.444+/-12.795 χ^2/NDF:44.9/38

All: 8.143+/-9.130 χ^2/NDF: 76.5/73



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

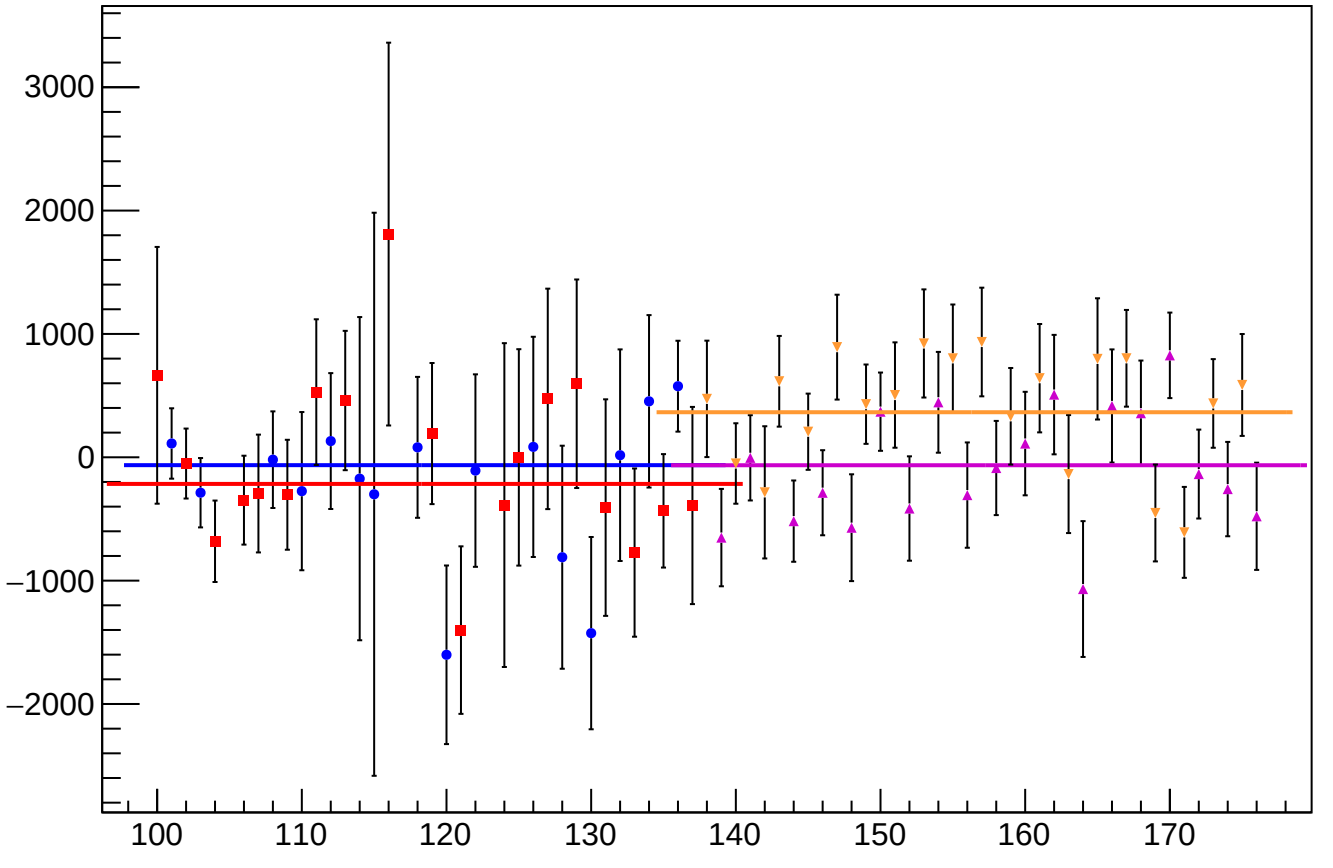
Left: 61.607+/-0.008 χ^2/NDF: 549729.2/38

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.709+/-0.009 χ^2/NDF:525278.6/34

Out: 61.310+/-0.009 χ^2/NDF:579771.5/38

All: 61.506+/-0.006 χ^2/NDF: 1106006.1/73



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 365.291+/-89.190 χ^2/NDF:25.0/19

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -64.470+/-90.080 χ^2/NDF:25.1/18

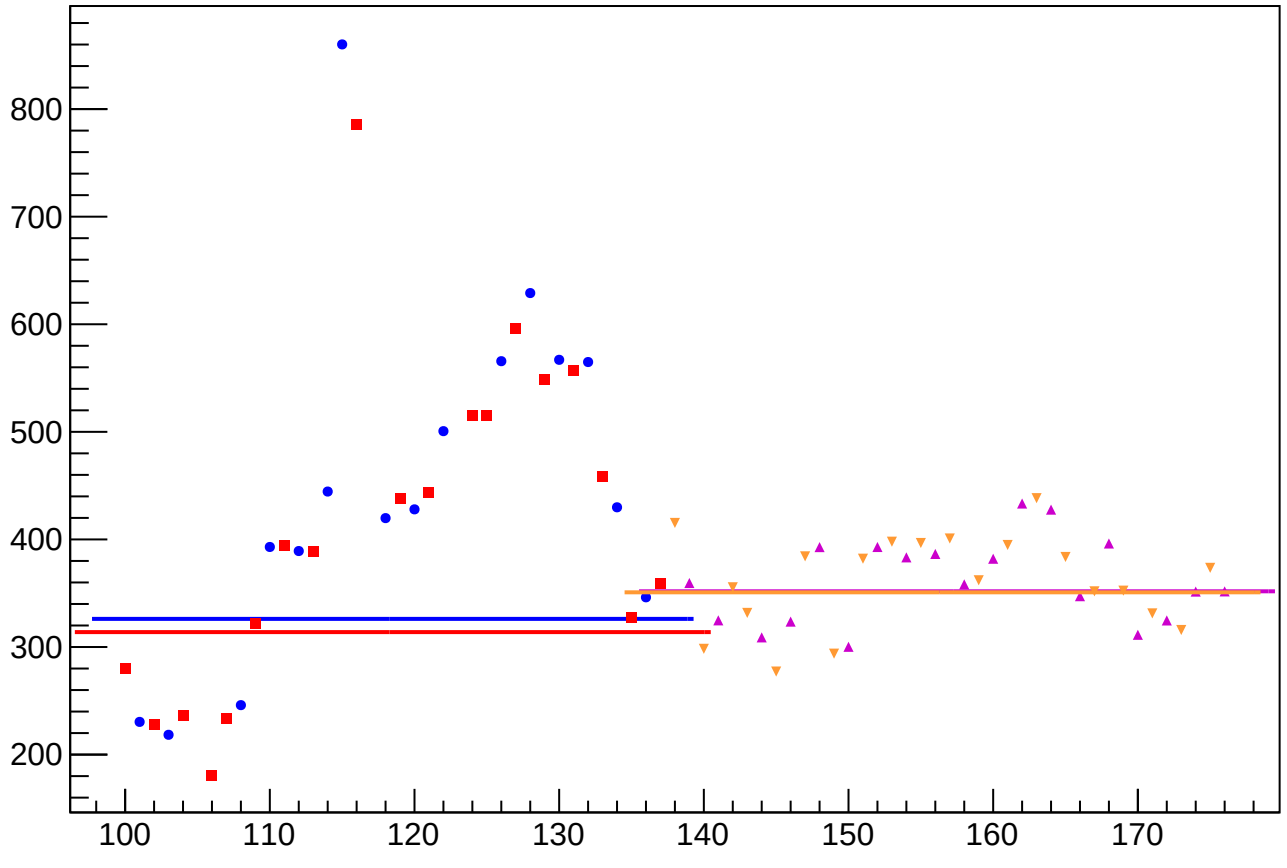
Left: 152.544+/-63.379 χ^2/NDF: 61.6/38

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -64.259+/-73.982 χ^2/NDF:38.3/34

Out: 166.049+/-72.304 χ^2/NDF:53.7/38

All: 53.536+/-51.710 χ^2/NDF: 96.9/73



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

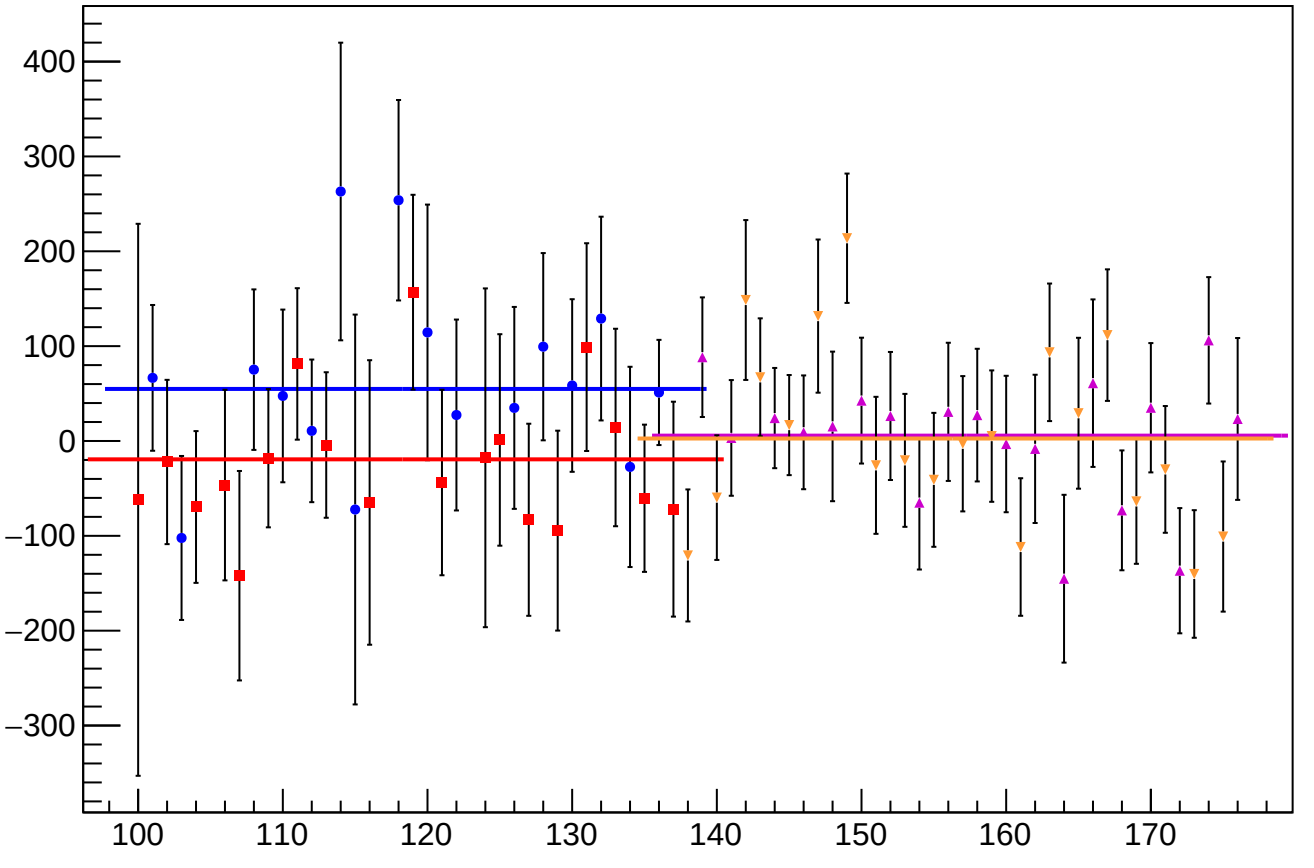
Left: 351.306+/-0.045 χ^2/NDF: 835007.5/38

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.437+/-0.052 χ^2/NDF:2127870.6/34

Out: 338.165+/-0.051 χ^2/NDF:2417310.3/38

All: 340.740+/-0.037 χ^2/NDF: 4550375.1/73



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 2.600+/-15.527 χ^2/NDF:35.1/19

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.635+/-15.756 χ^2/NDF:15.5/18

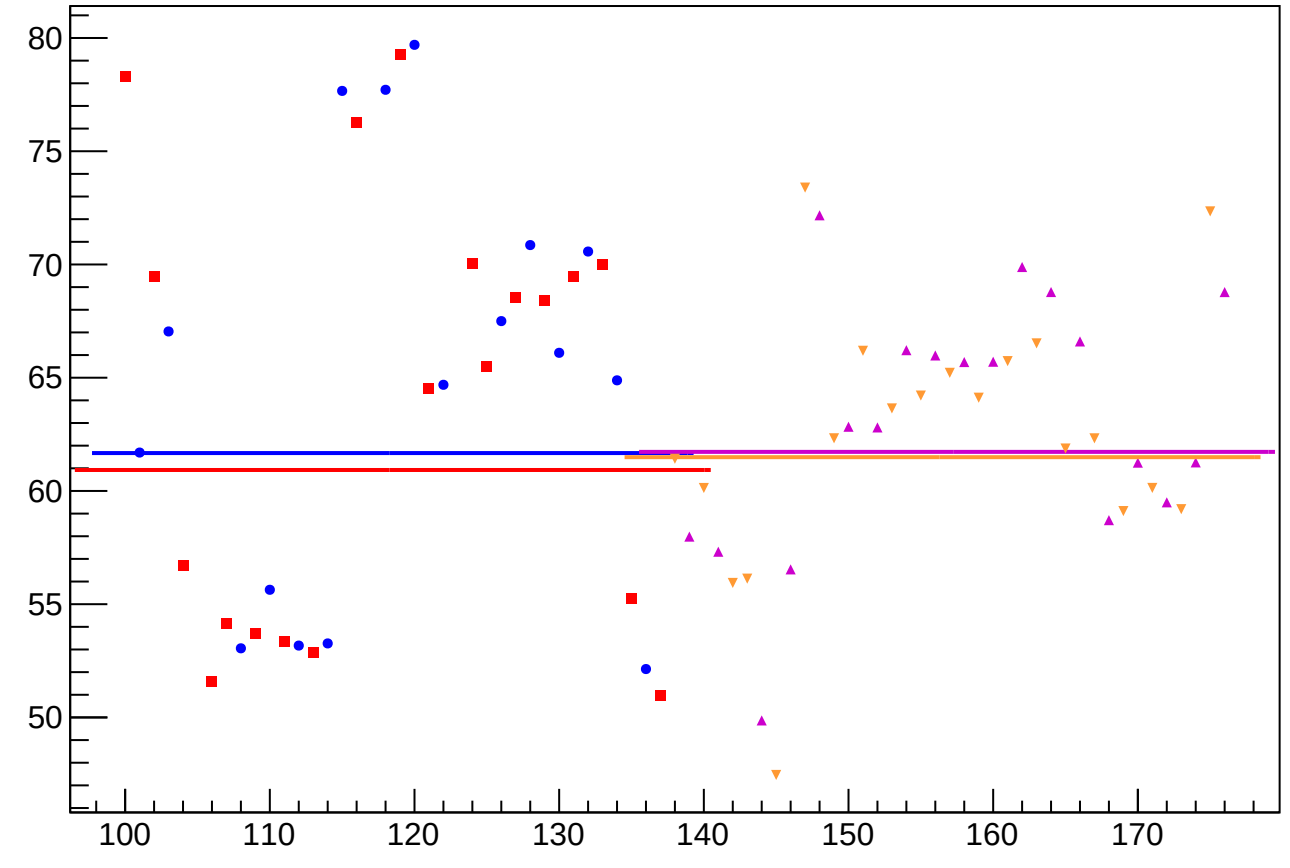
Left: 4.095+/-11.059 χ^2/NDF: 50.7/38

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.197+/-13.030 χ^2/NDF:29.6/34

Out: -4.444+/-12.795 χ^2/NDF:44.9/38

All: 8.143+/-9.130 χ^2/NDF: 76.5/73



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.491+/-0.011 χ^2/NDF:291341.2/19

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

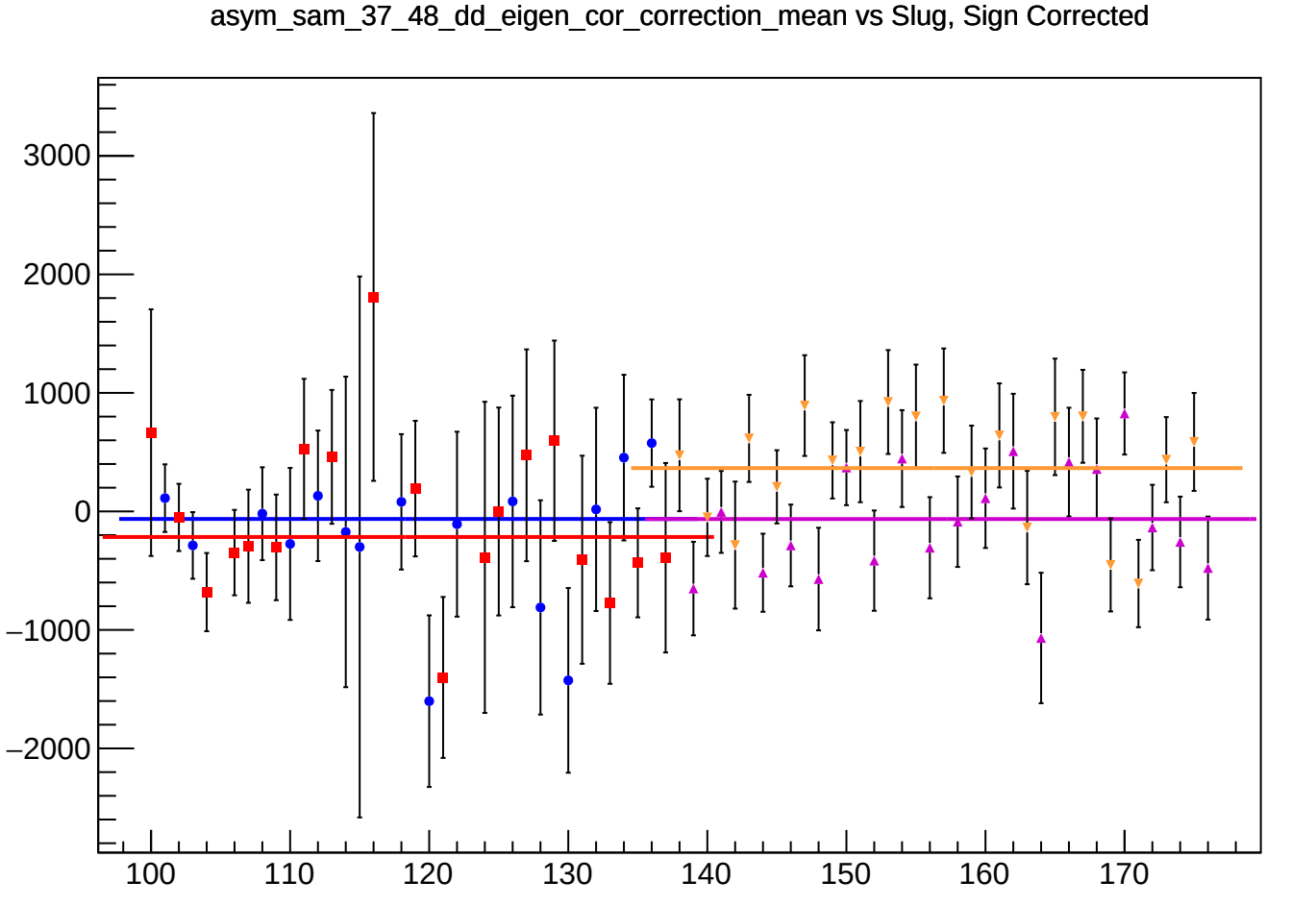
Left: 61.607+/-0.008 χ^2/NDF: 549729.2/38

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

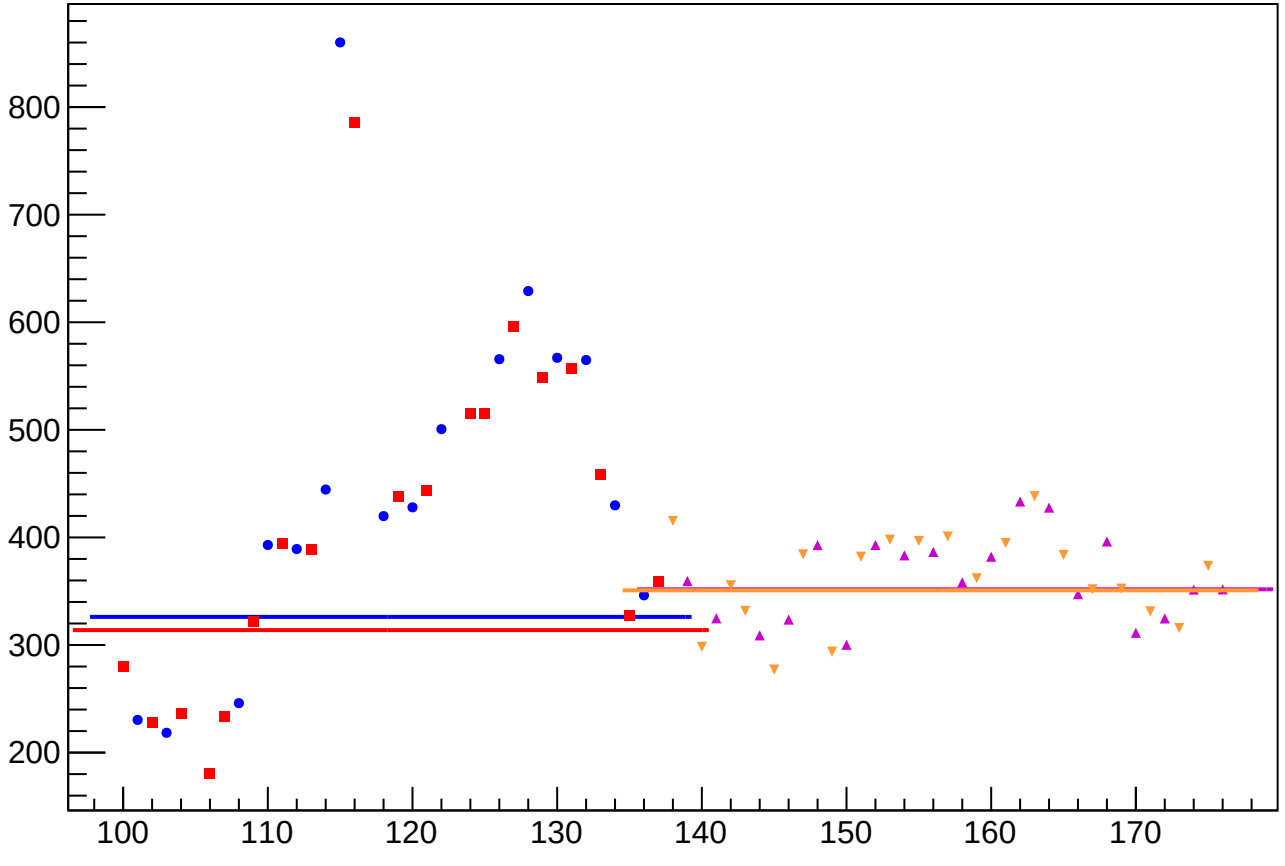
In: 61.709+/-0.009 χ^2/NDF:525278.6/34

Out: 61.310+/-0.009 χ^2/NDF:579771.5/38

All: 61.506+/-0.006 χ^2/NDF: 1106006.1/73


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 365.291+/-89.190 χ²/NDF:25.0/19
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -64.470+/-90.080 χ²/NDF:25.1/18
Left: 152.544+/-63.379 χ²/NDF: 61.6/38
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -64.259+/-73.982 χ²/NDF:38.3/34
Out: 166.049+/-72.304 χ²/NDF:53.7/38
All: 53.536+/-51.710 χ²/NDF: 96.9/73

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: 350.843+/-0.063 χ^2/NDF:493654.6/19

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

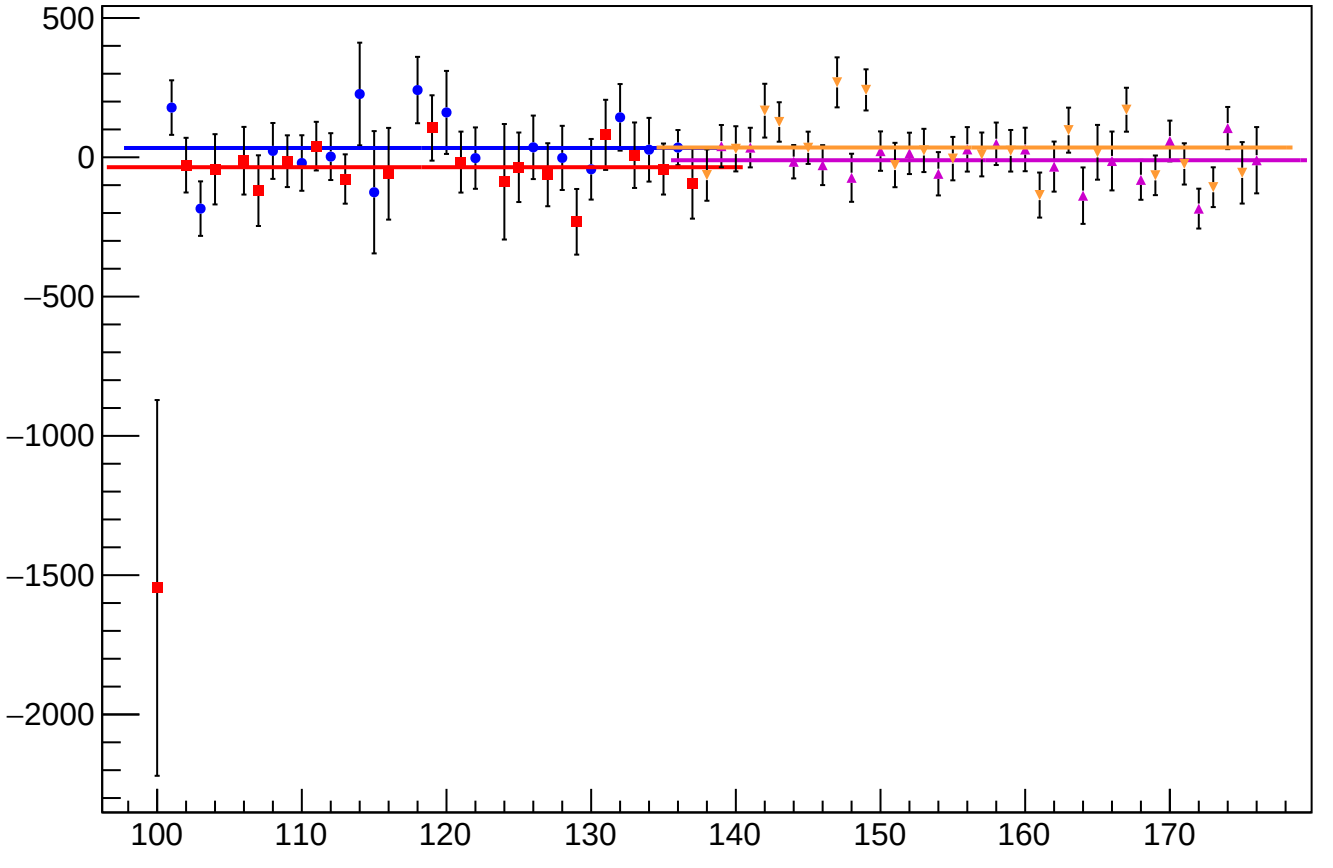
Left: 351.306+/-0.045 χ^2/NDF: 835007.5/38

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.437+/-0.052 χ^2/NDF:2127870.6/34

Out: 338.165+/-0.051 χ^2/NDF:2417310.3/38

All: 340.740+/-0.037 χ^2/NDF: 4550375.1/73



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.129+/-17.569 χ^2/NDF:35.7/19

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.545+/-17.811 χ^2/NDF:15.0/18

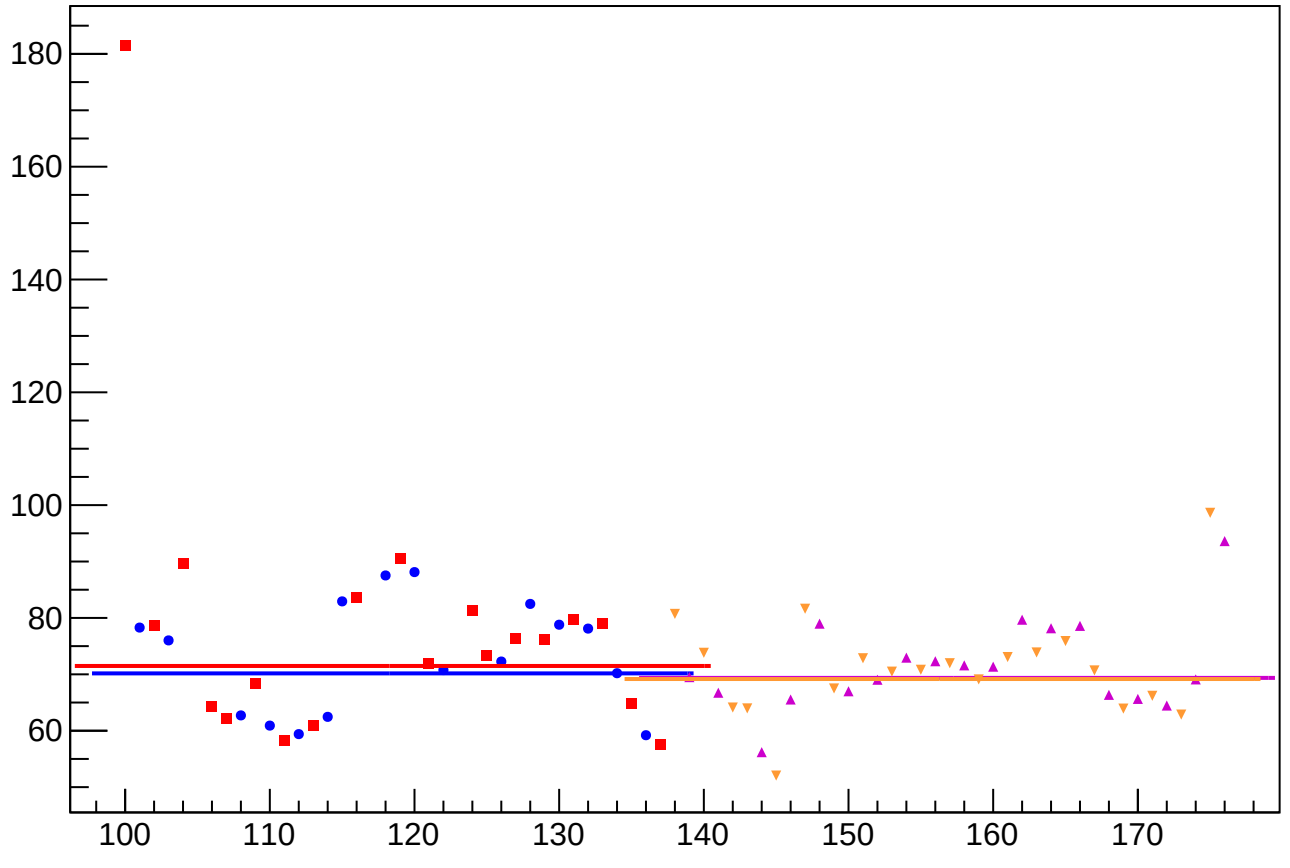
Left: 12.604+/-12.508 χ^2/NDF: 54.0/38

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.190+/-14.767 χ^2/NDF:31.4/34

Out: 13.580+/-14.649 χ^2/NDF:52.7/38

All: 8.427+/-10.400 χ^2/NDF: 84.4/73



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.169+/-0.012 χ^2/NDF:470776.2/19

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.369+/-0.013 χ^2/NDF:300260.1/18

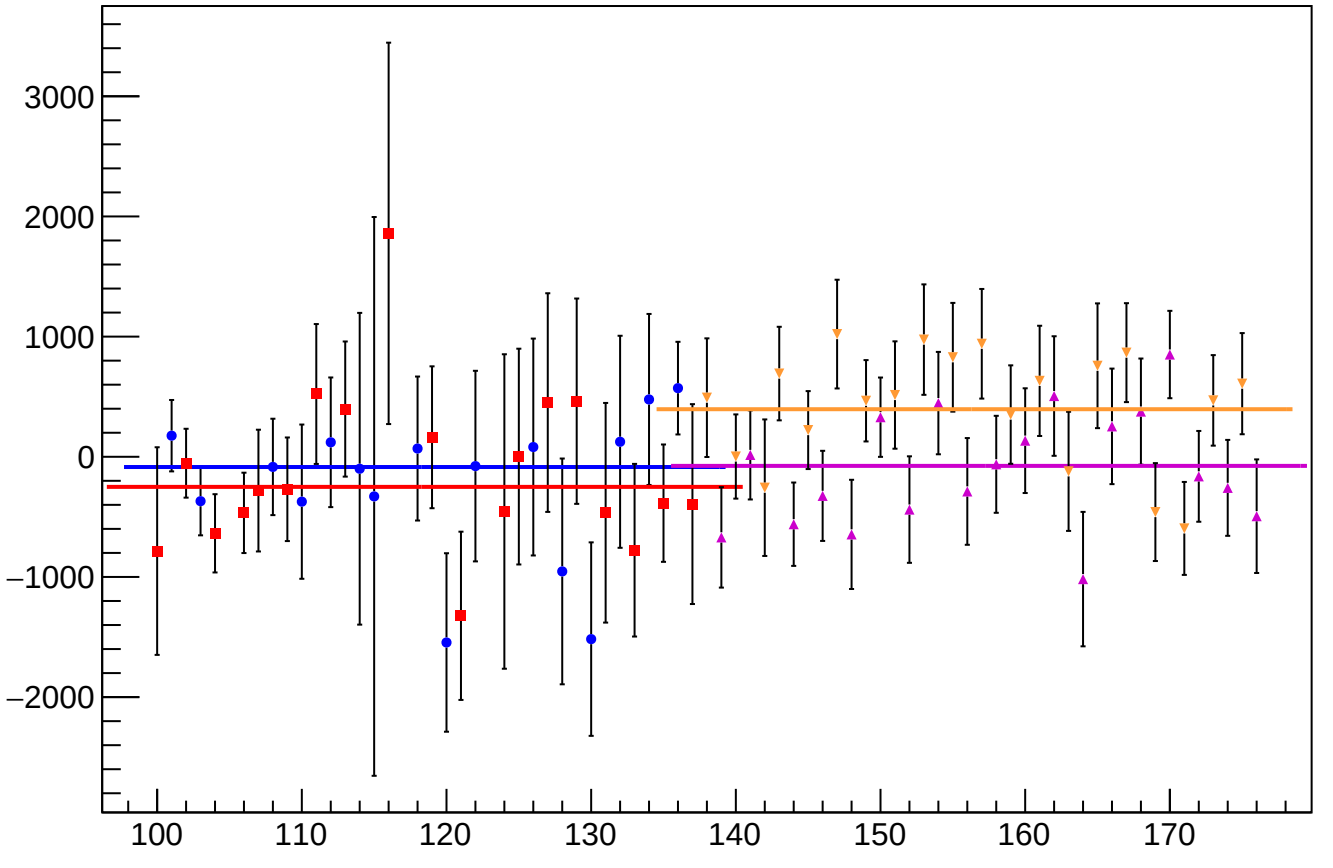
Left: 69.268+/-0.009 χ^2/NDF: 771164.5/38

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.619+/-0.010 χ^2/NDF:570764.8/34

Out: 69.874+/-0.010 χ^2/NDF:807065.4/38

All: 69.748+/-0.007 χ^2/NDF: 1378131.9/73



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.868+/-93.537 χ^2/NDF:23.9/19

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -75.703+/-94.679 χ^2/NDF:23.5/18

Left: 162.942+/-66.541 χ^2/NDF: 59.9/38

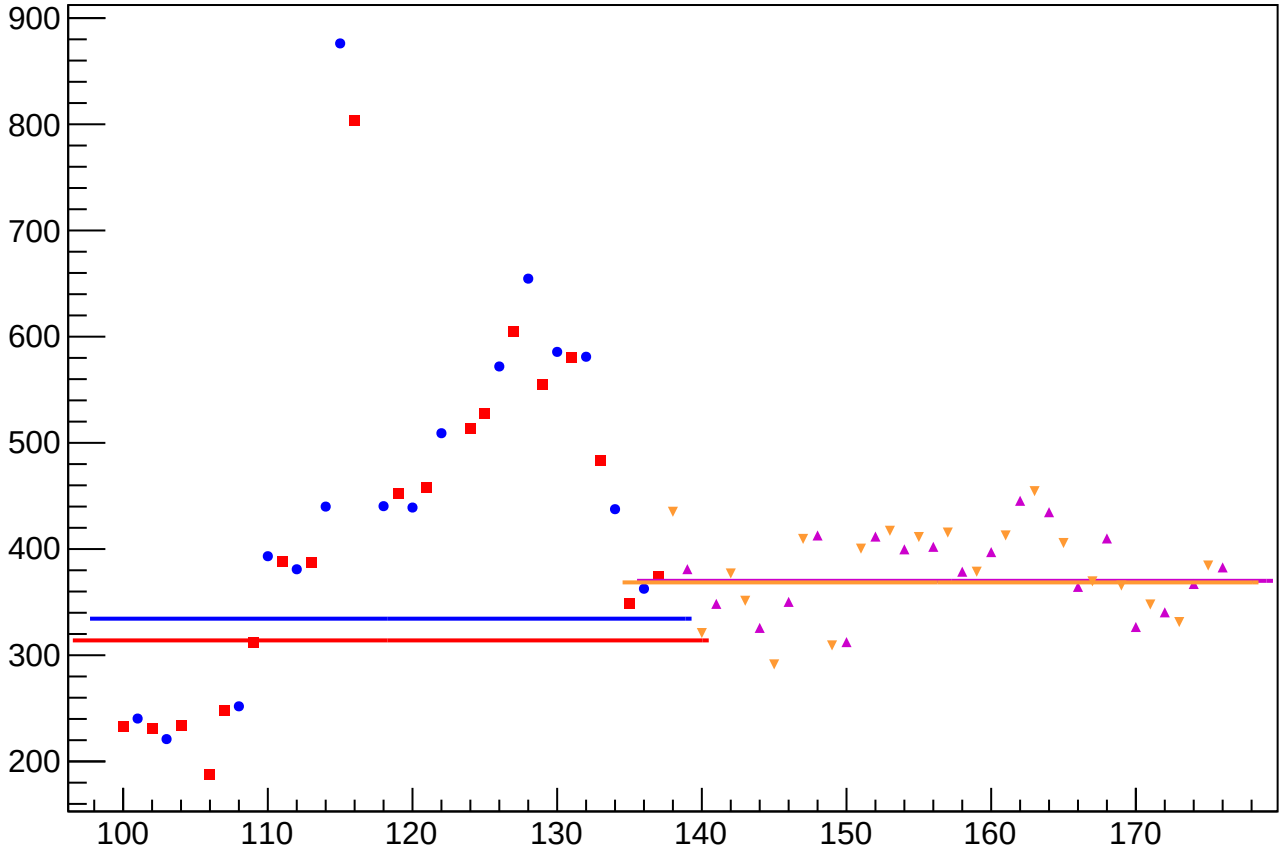
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -78.896+/-77.107 χ^2/NDF:37.2/34

Out: 159.788+/-74.521 χ^2/NDF:53.8/38

All: 44.517+/-53.585 χ^2/NDF: 95.9/73

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: 368.595+/-0.066 χ^2/NDF:458939.8/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 370.071+/-0.067 χ^2/NDF:303395.2/18

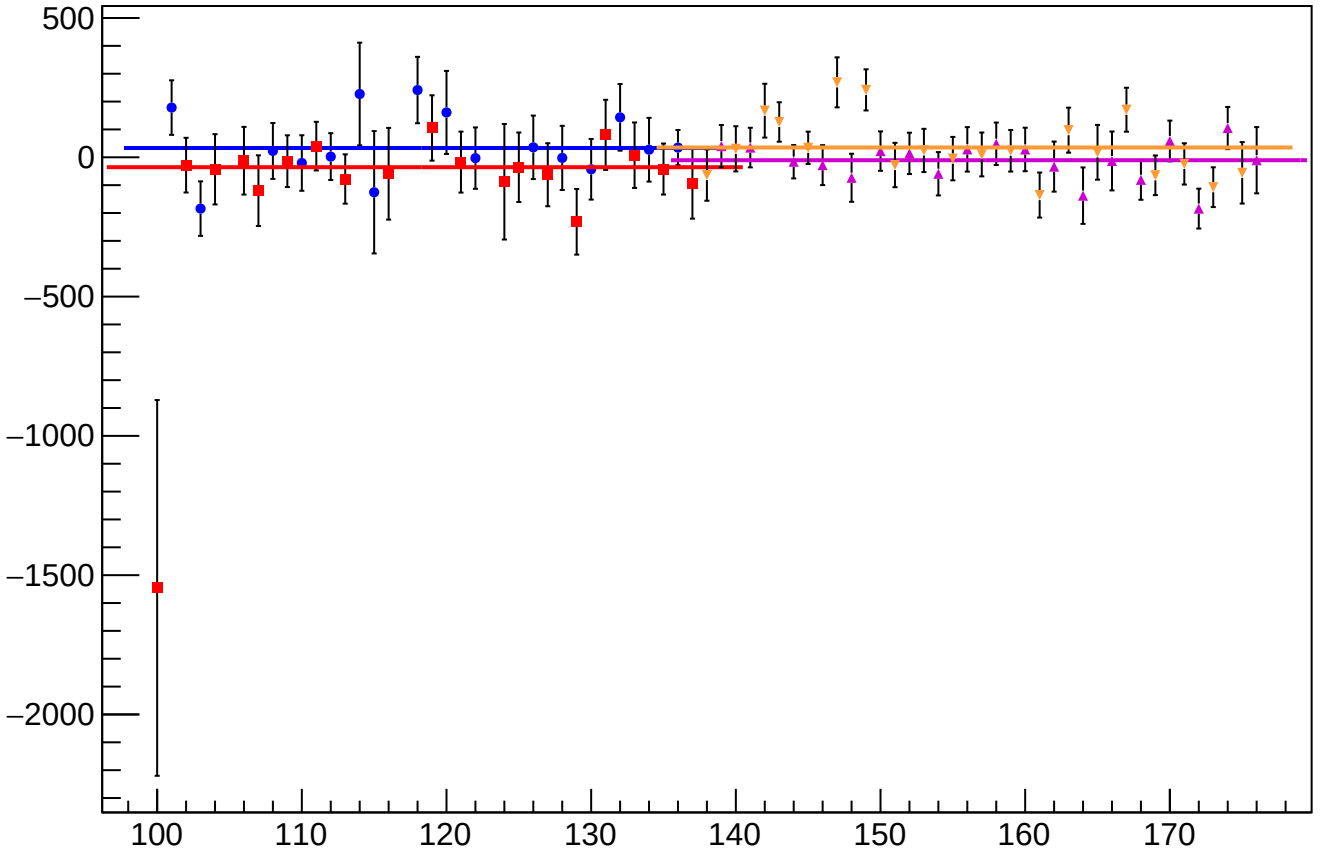
Left: 369.324+/-0.047 χ^2/NDF: 762581.1/38

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 358.070+/-0.055 χ^2/NDF:2129439.1/34

Out: 348.642+/-0.053 χ^2/NDF:2612682.2/38

All: 353.195+/-0.038 χ^2/NDF: 4757580.7/73



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 35.128+/-17.569 χ^2/NDF:35.7/19

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.544+/-17.811 χ^2/NDF:15.0/18

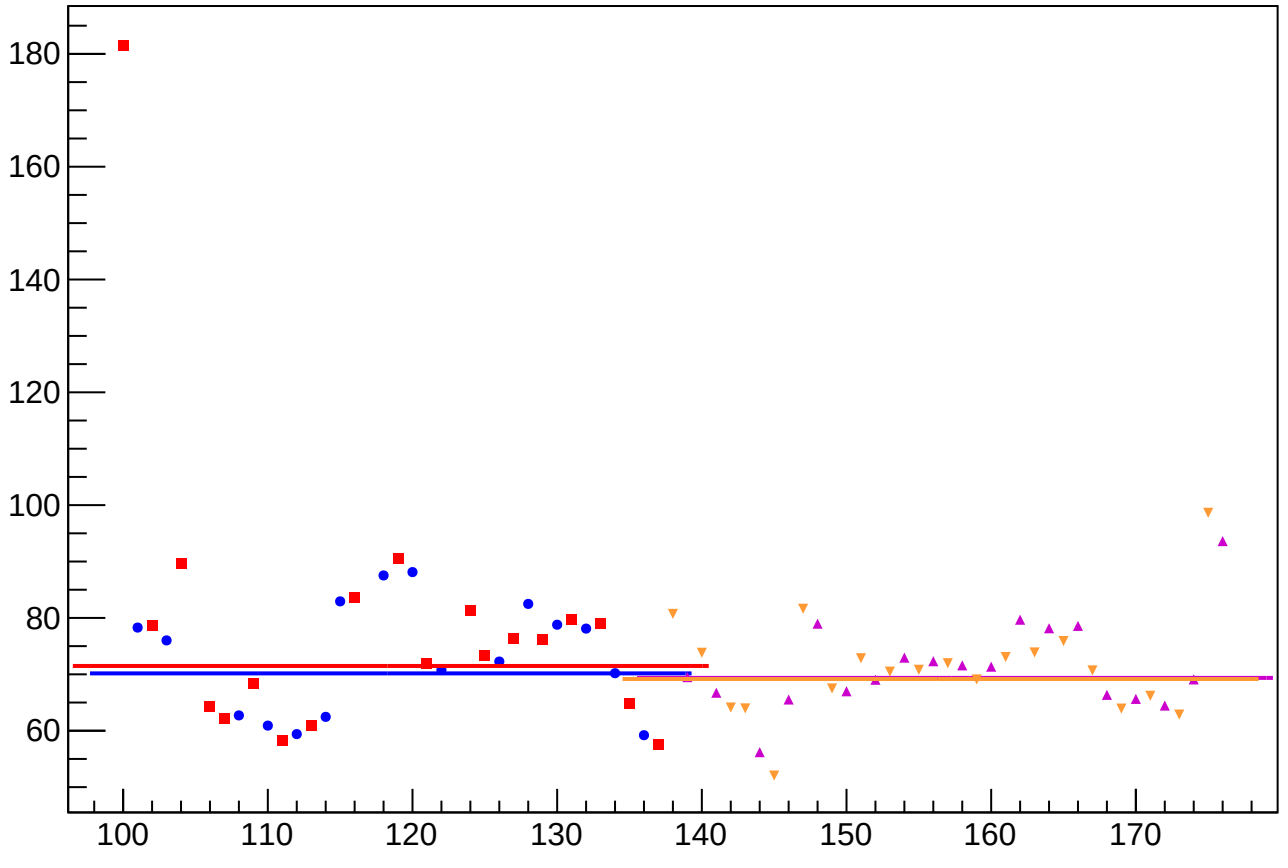
Left: 12.604+/-12.508 χ^2/NDF: 54.0/38

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.190+/-14.767 χ^2/NDF:31.4/34

Out: 13.579+/-14.649 χ^2/NDF:52.7/38

All: 8.426+/-10.400 χ^2/NDF: 84.4/73



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.169+/-0.012 χ^2/NDF:470782.5/19

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.369+/-0.013 χ^2/NDF:300259.4/18

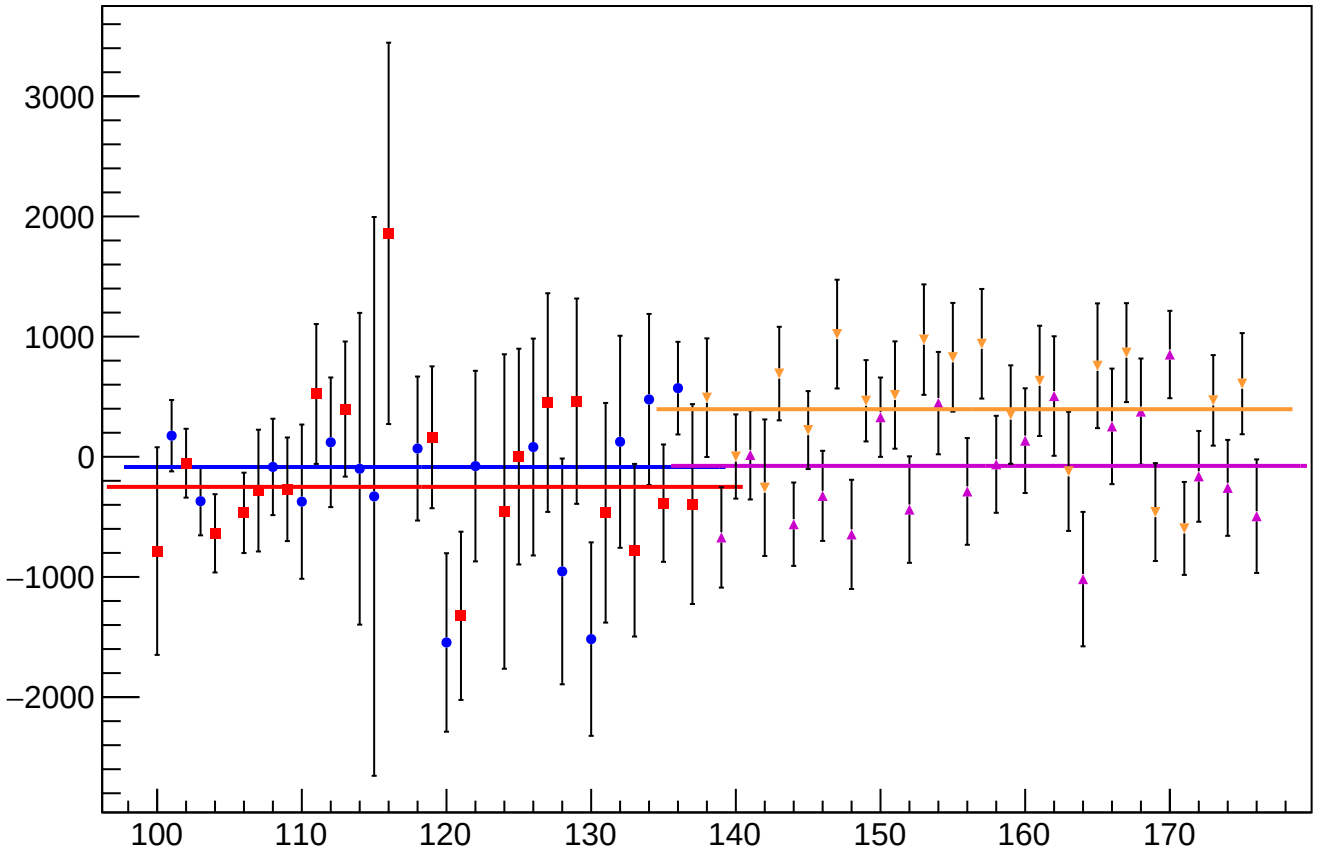
Left: 69.268+/-0.009 χ^2/NDF: 771170.1/38

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.619+/-0.010 χ^2/NDF:570767.6/34

Out: 69.874+/-0.010 χ^2/NDF:807079.2/38

All: 69.748+/-0.007 χ^2/NDF: 1378148.6/73



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 395.867+/-93.537 χ^2/NDF:23.9/19

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -75.702+/-94.679 χ^2/NDF:23.5/18

Left: 162.942+/-66.541 χ^2/NDF: 59.9/38

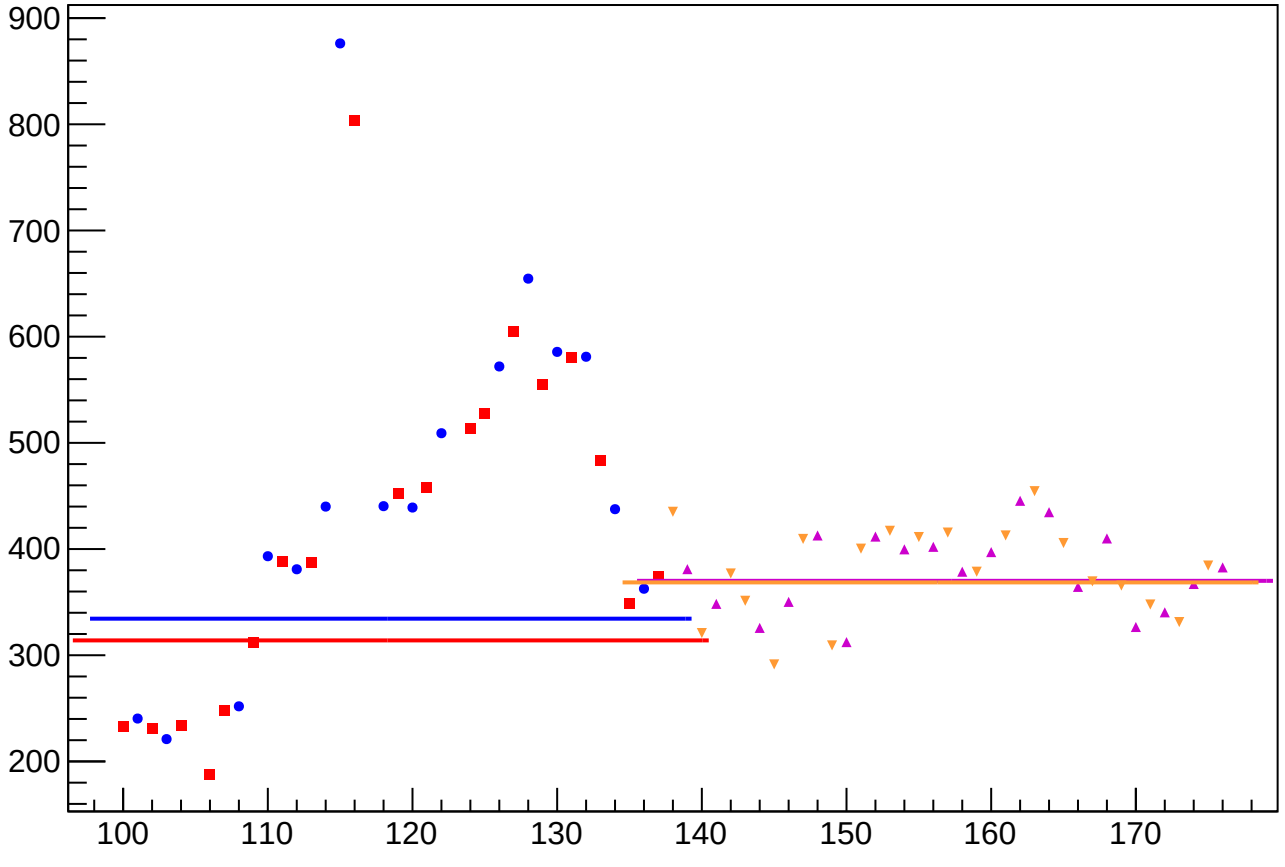
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -78.896+/-77.107 χ^2/NDF:37.2/34

Out: 159.788+/-74.521 χ^2/NDF:53.8/38

All: 44.516+/-53.585 χ^2/NDF: 95.9/73

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: 368.594+/-0.066 χ^2/NDF:458943.5/19

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 370.071+/-0.067 χ^2/NDF:303395.3/18

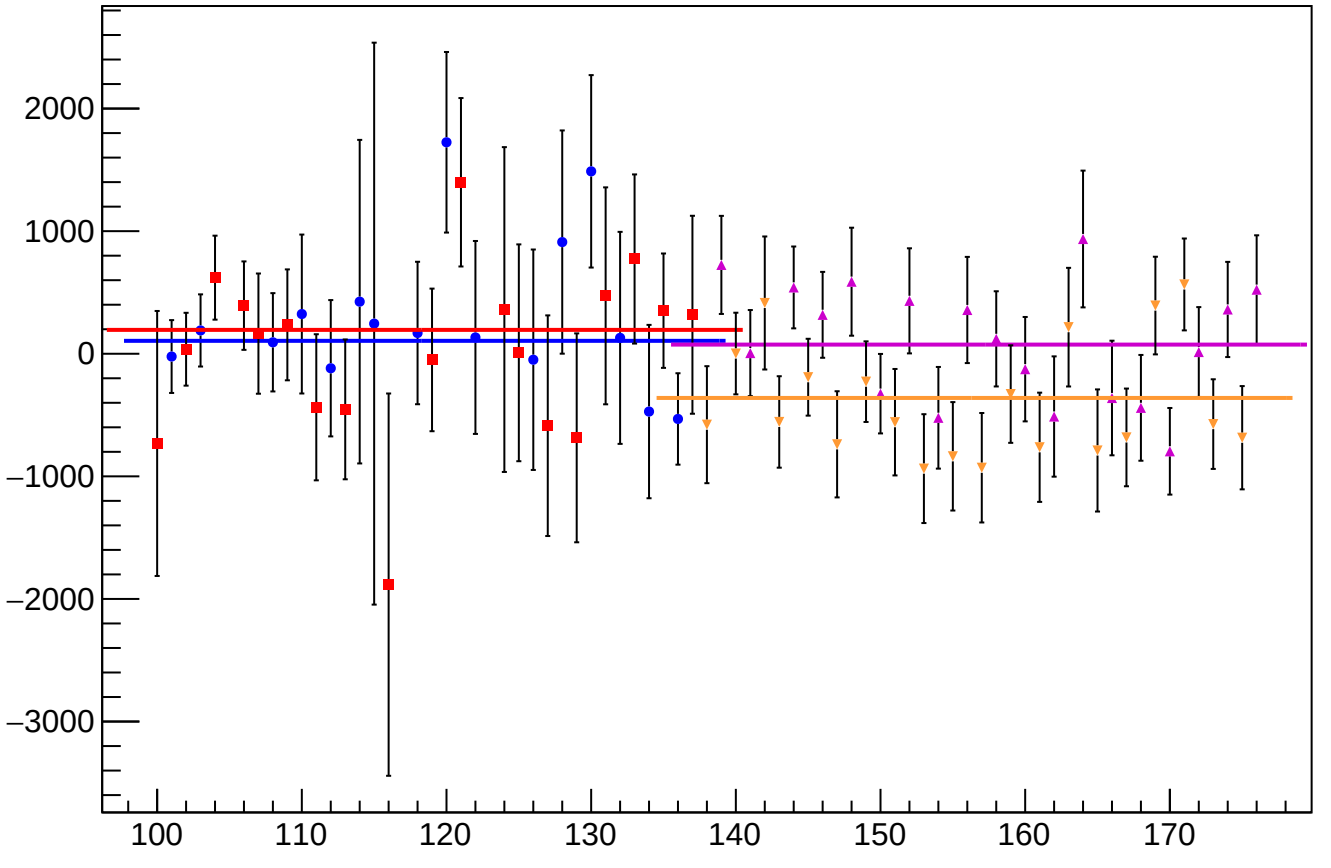
Left: 369.324+/-0.047 χ^2/NDF: 762585.1/38

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 358.070+/-0.055 χ^2/NDF:2129436.1/34

Out: 348.642+/-0.053 χ^2/NDF:2612682.0/38

All: 353.195+/-0.038 χ^2/NDF: 4757577.8/73



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -360.430+/-90.620 χ^2/NDF:23.9/19

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 74.696+/-91.524 χ^2/NDF:25.2/18

Left: -145.026+/-64.396 χ^2/NDF: 60.5/38

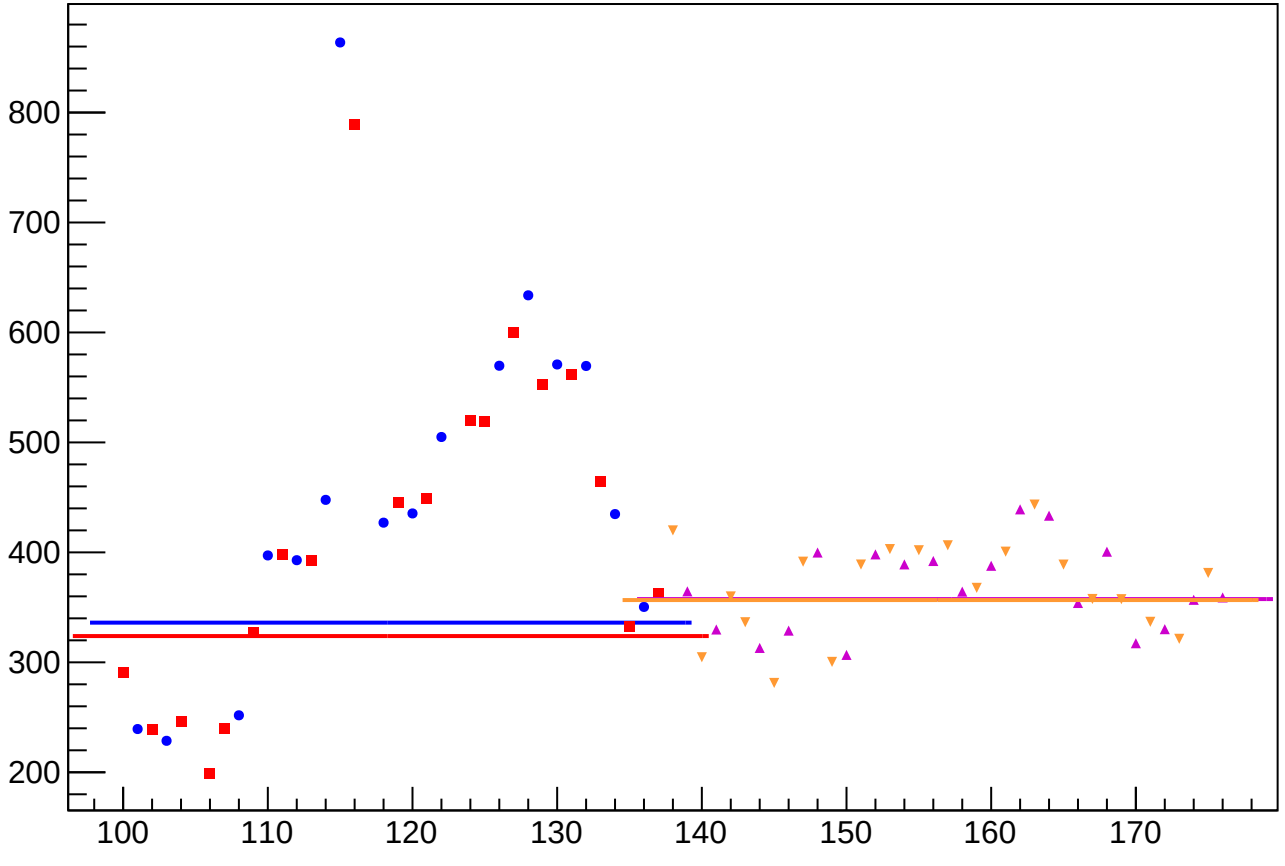
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 84.556+/-75.405 χ^2/NDF:38.2/34

Out: -171.564+/-73.609 χ^2/NDF:49.8/38

All: -46.592+/-52.673 χ^2/NDF: 93.9/73

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 356.628+/-0.064 χ^2/NDF:480797.5/19

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.525+/-0.065 χ^2/NDF:331777.8/18

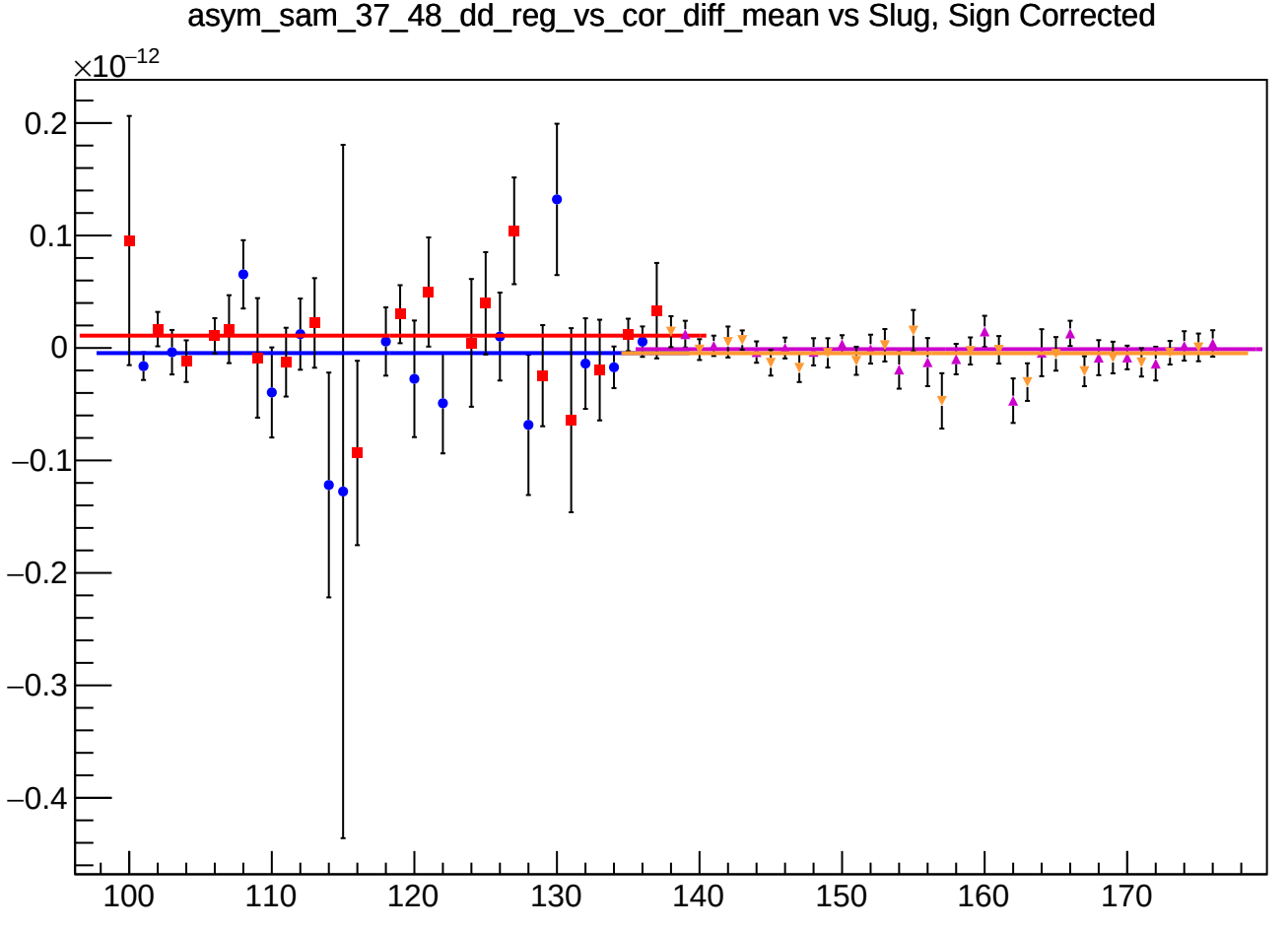
Left: 357.072+/-0.046 χ^2/NDF: 812672.4/38

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.641+/-0.053 χ^2/NDF:1986007.0/34

Out: 345.489+/-0.052 χ^2/NDF:2235047.4/38

All: 348.002+/-0.037 χ^2/NDF: 4225835.2/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/18

Left: -0.000+/-0.000 χ^2/NDF: 29.7/38

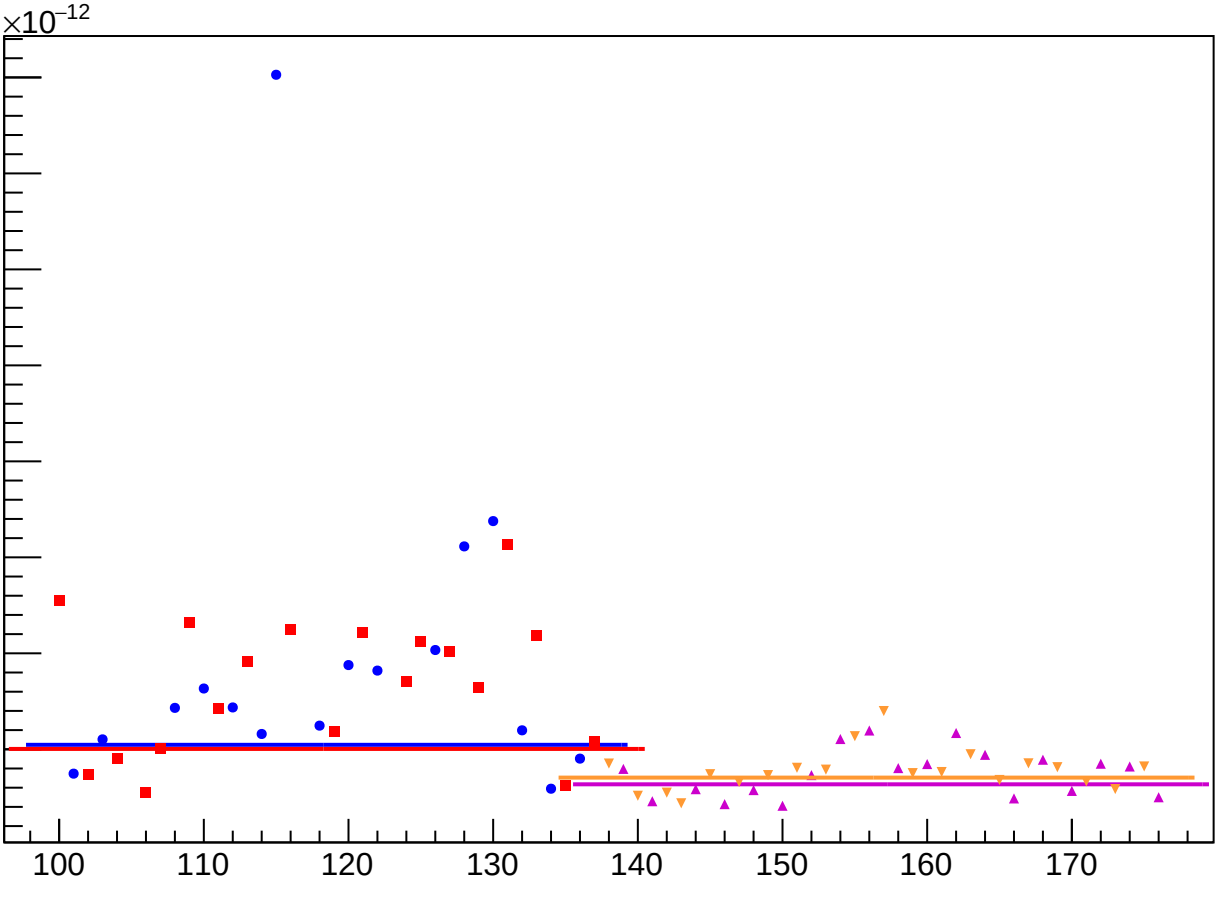
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.3/34

Out: -0.000+/-0.000 χ^2/NDF:32.7/38

All: -0.000+/-0.000 χ^2/NDF: 63.0/73

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:753841.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1150071.6/18

Left: 0.000+/-0.000 χ^2/NDF: 1966403.0/38

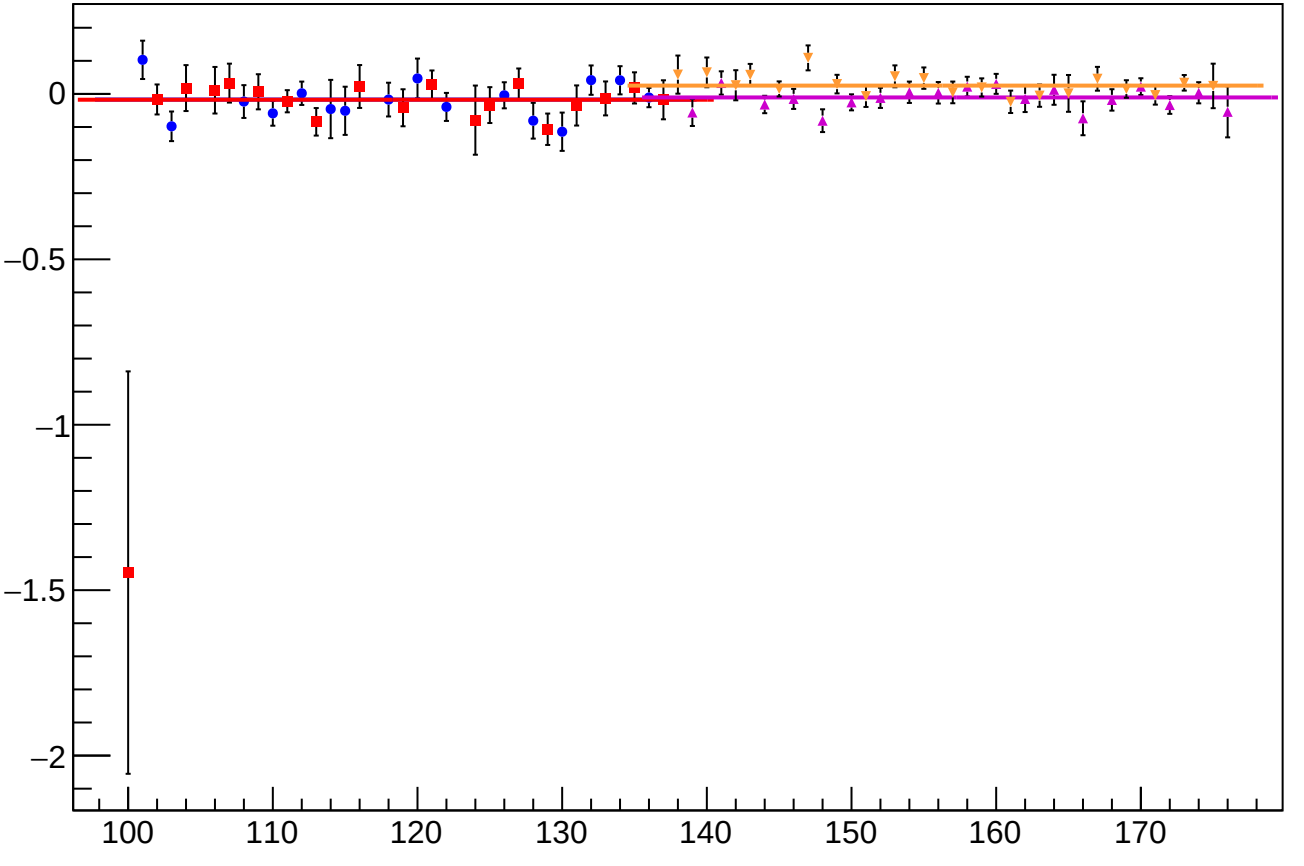
Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3021719.8/34

Out: 0.000+/-0.000 χ^2/NDF:2533339.2/38

All: 0.000+/-0.000 χ^2/NDF: 5599444.3/73

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

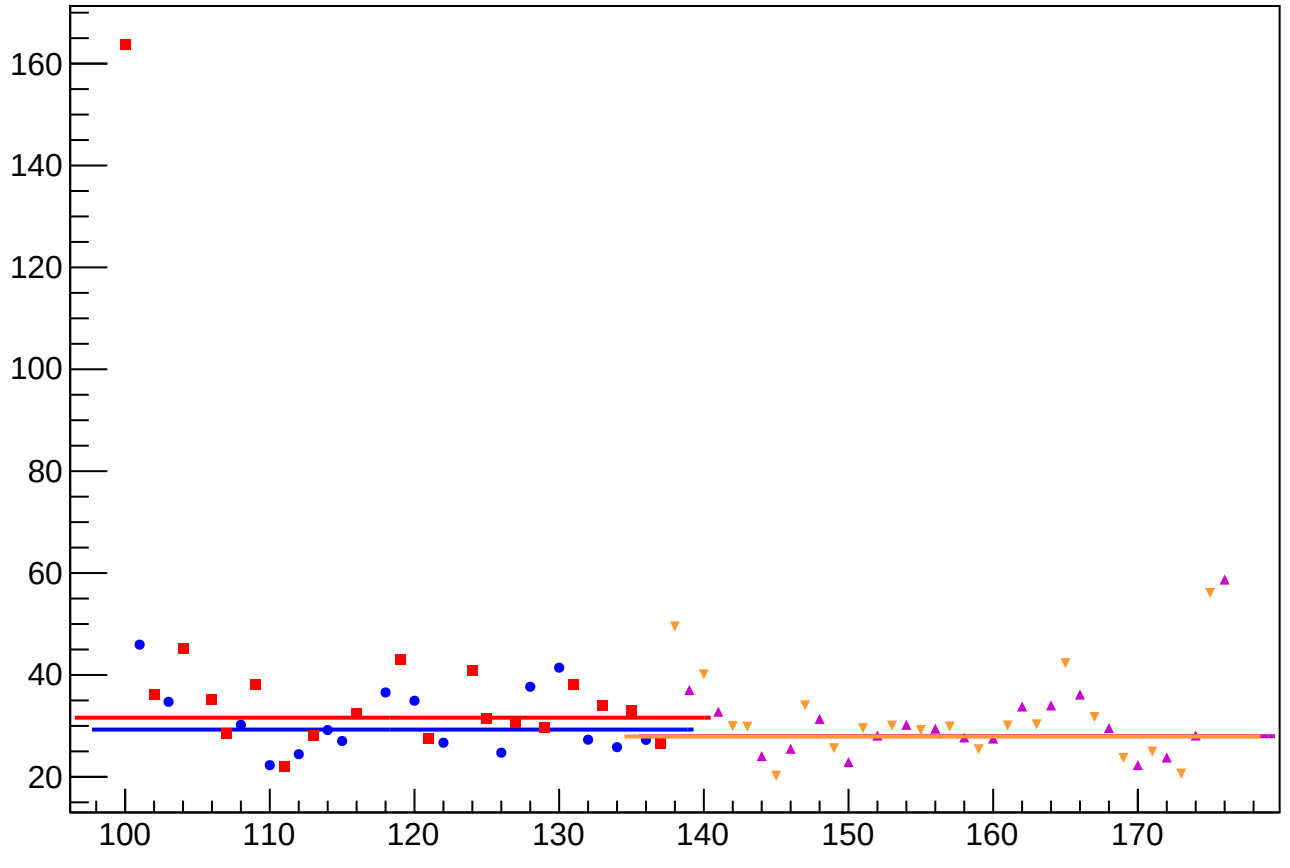
Left: 0.007+/-0.005 χ^2/NDF: 42.6/38

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.000+/-0.004 χ^2/NDF: 84.6/73



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.923+/-0.005 χ^2/NDF:1561110.7/19

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

Left: 27.951+/-0.004 χ^2/NDF: 2475273.1/38

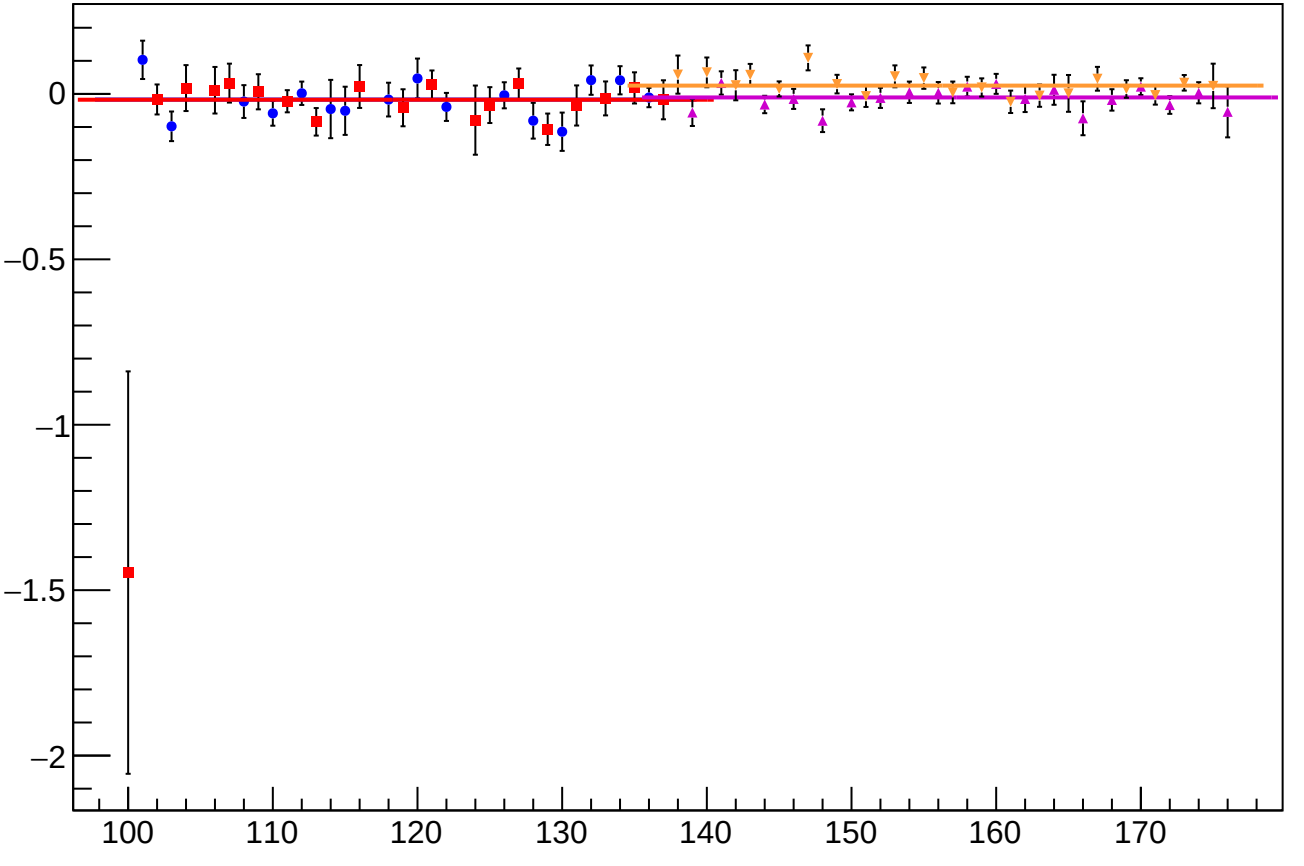
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.367+/-0.004 χ^2/NDF:1493174.8/34

Out: 28.913+/-0.004 χ^2/NDF:2269445.9/38

All: 28.637+/-0.003 χ^2/NDF: 3770298.4/73

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/38

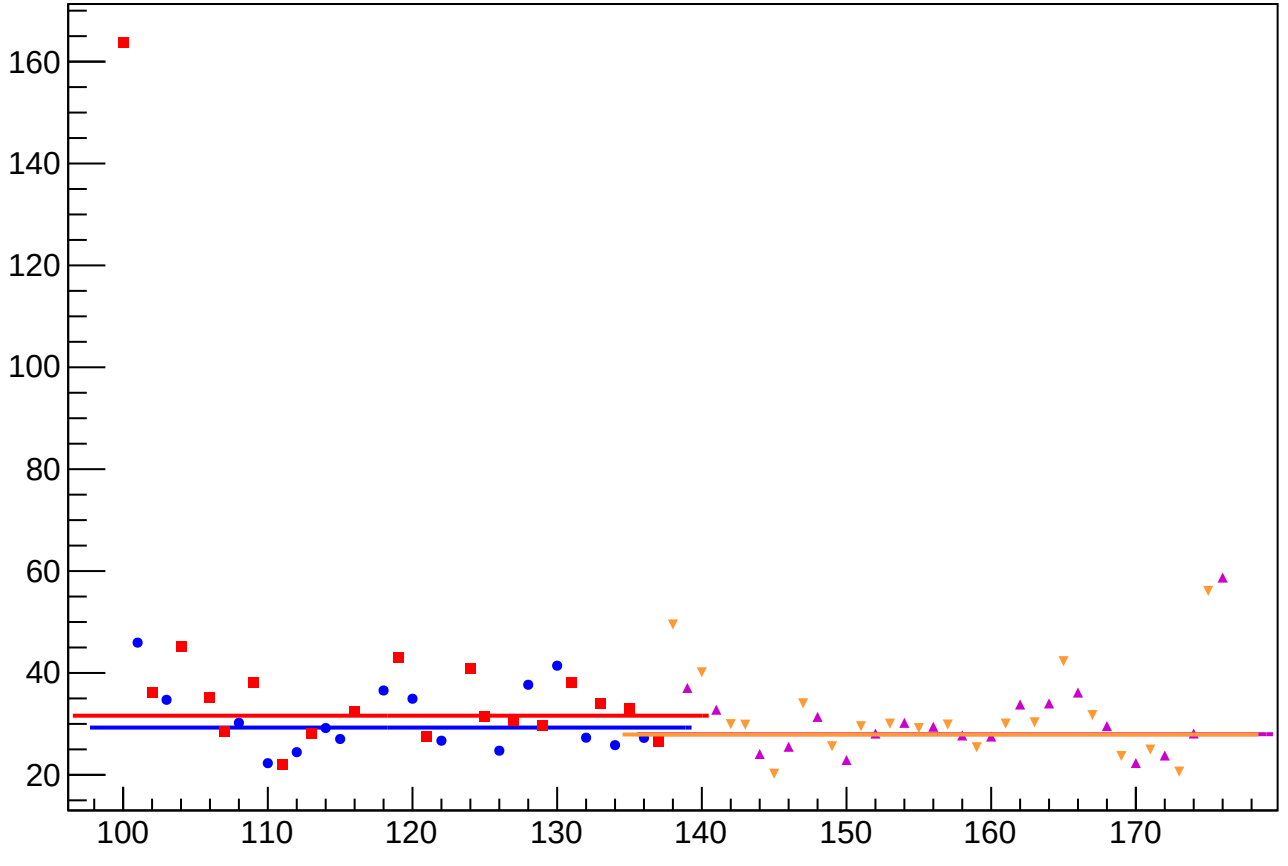
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.000+/-0.004 χ^2/NDF: 84.6/73

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: 27.923+/-0.005 χ^2/NDF:1561110.7/19

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

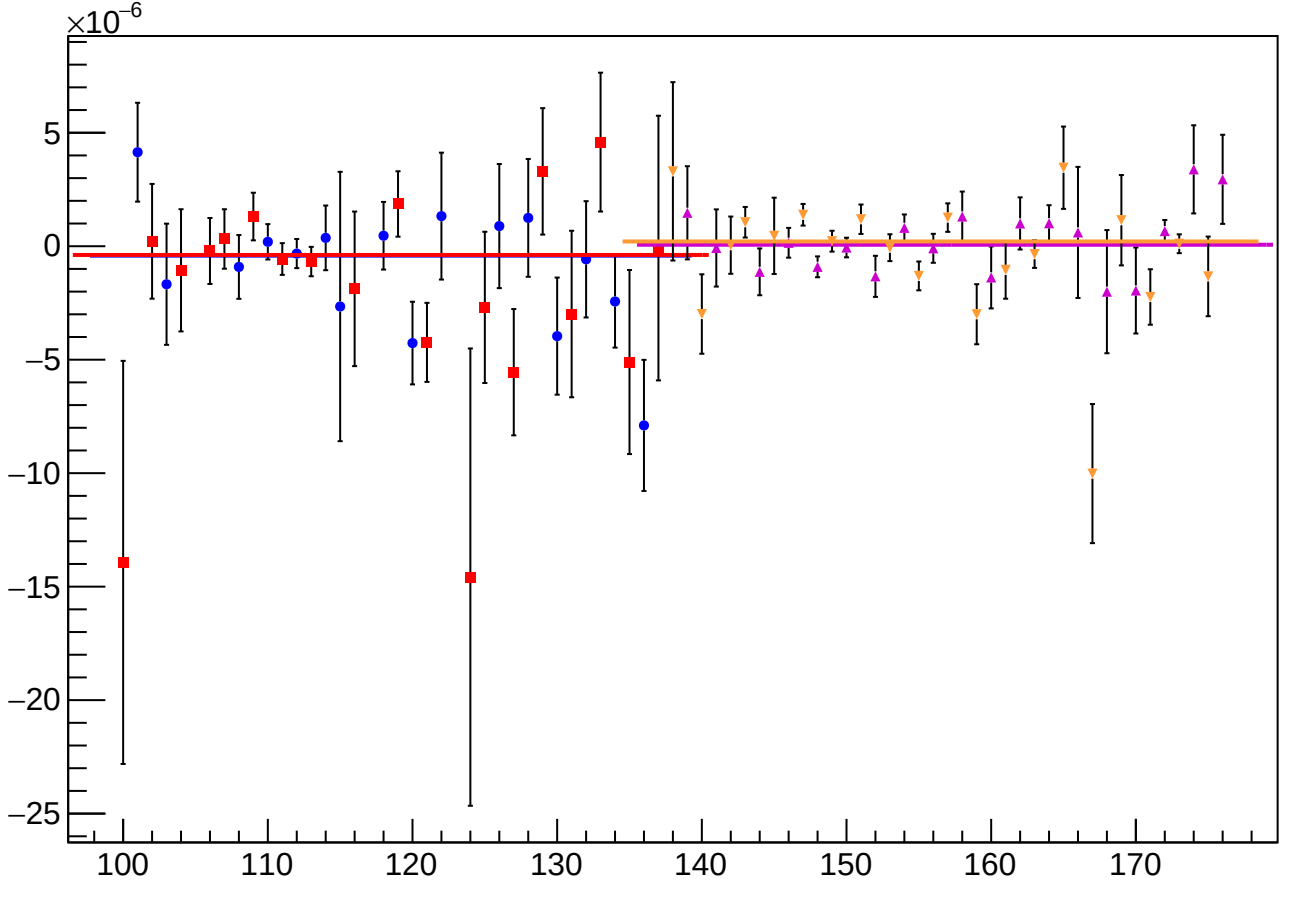
Left: 27.951+/-0.004 χ^2/NDF: 2475273.1/38

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.367+/-0.004 χ^2/NDF:1493174.8/34

Out: 28.913+/-0.004 χ^2/NDF:2269445.9/38

All: 28.637+/-0.003 χ^2/NDF: 3770298.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.2/18

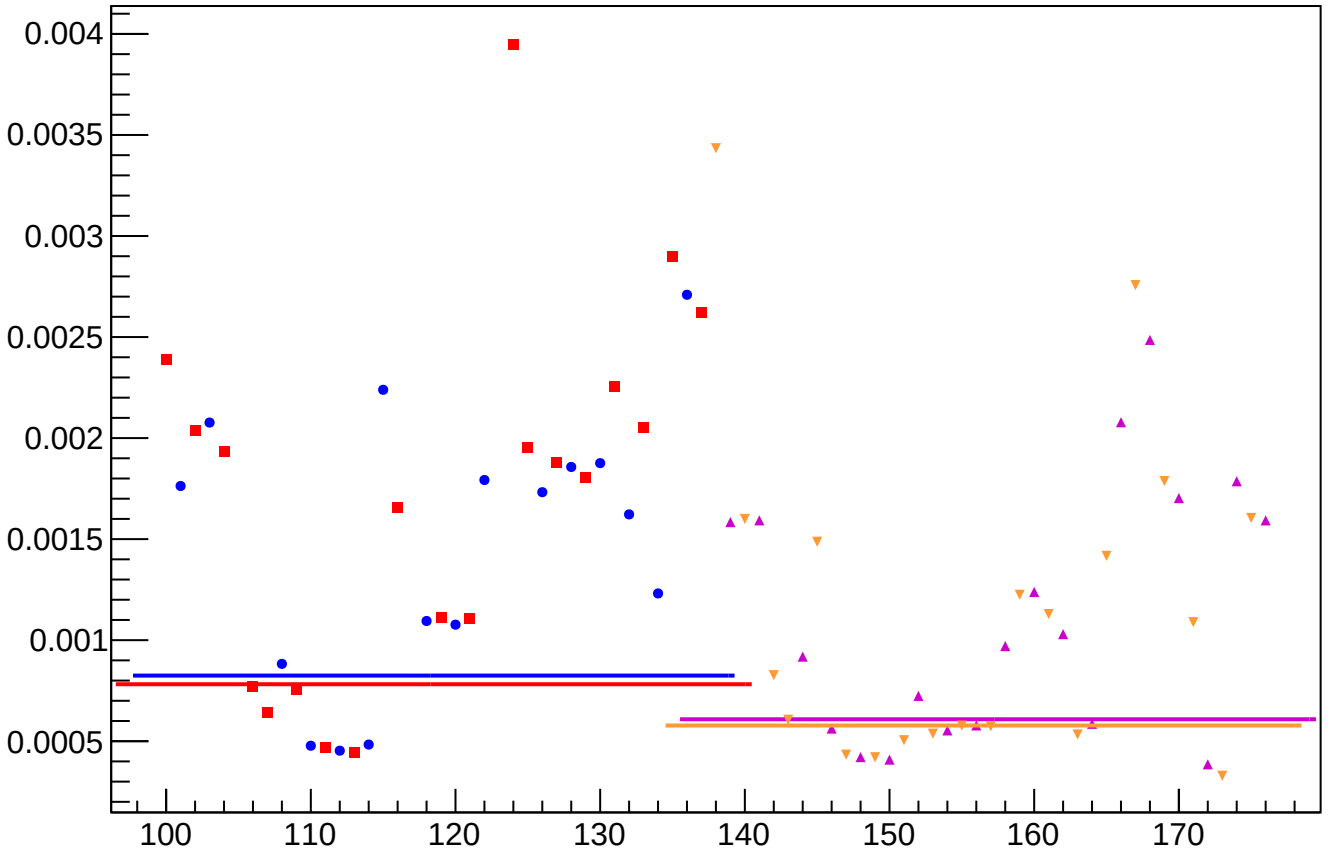
Left: 0.000+/-0.000 χ^2/NDF: 73.3/38

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:45.8/34

Out: 0.000+/-0.000 χ^2/NDF:77.4/38

All: 0.000+/-0.000 χ^2/NDF: 123.5/73



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:7654065.9/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6836131.3/18

Left: 0.001+/-0.000 χ^2/NDF: 14520410.9/38

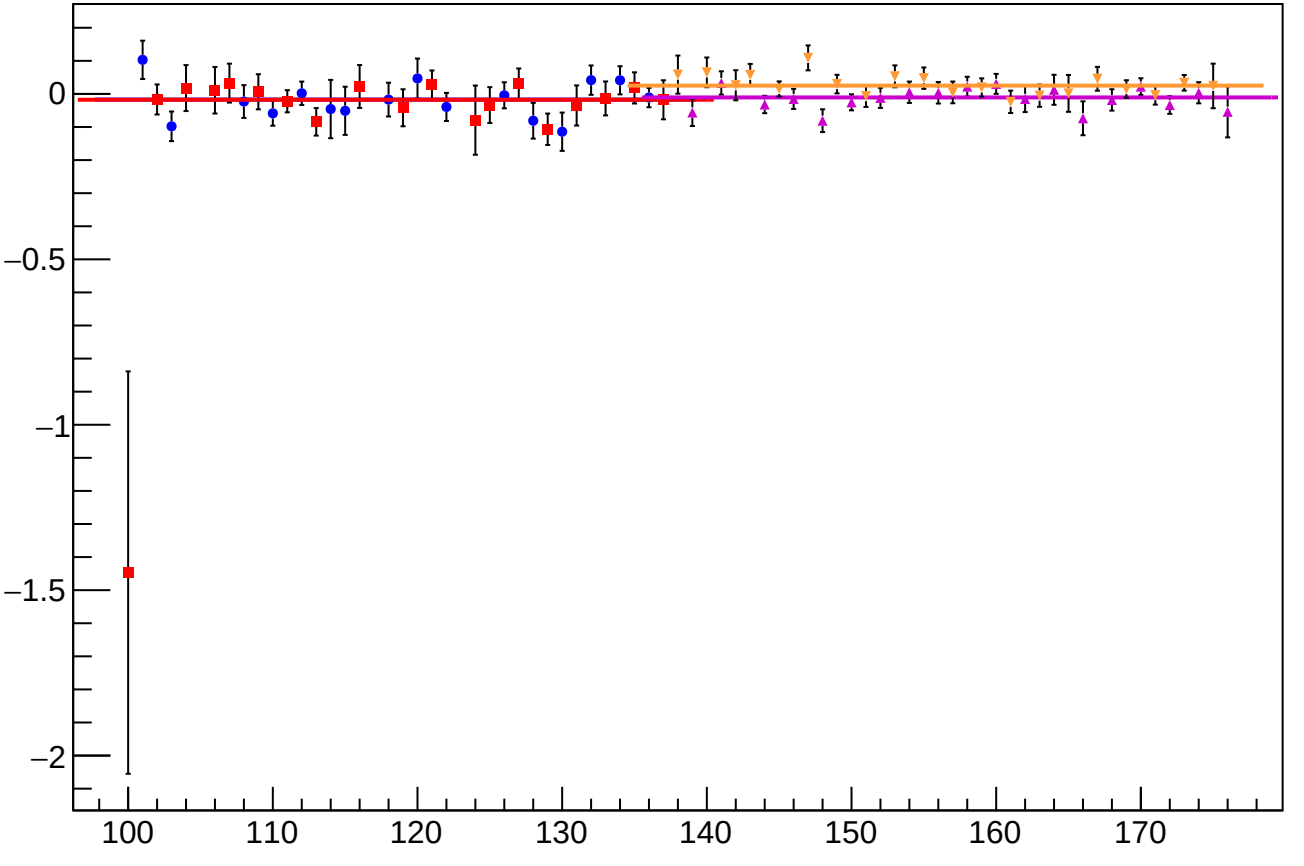
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:11829983.6/34

Out: 0.001+/-0.000 χ^2/NDF:12846136.5/38

All: 0.001+/-0.000 χ^2/NDF: 24722339.7/73

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/38

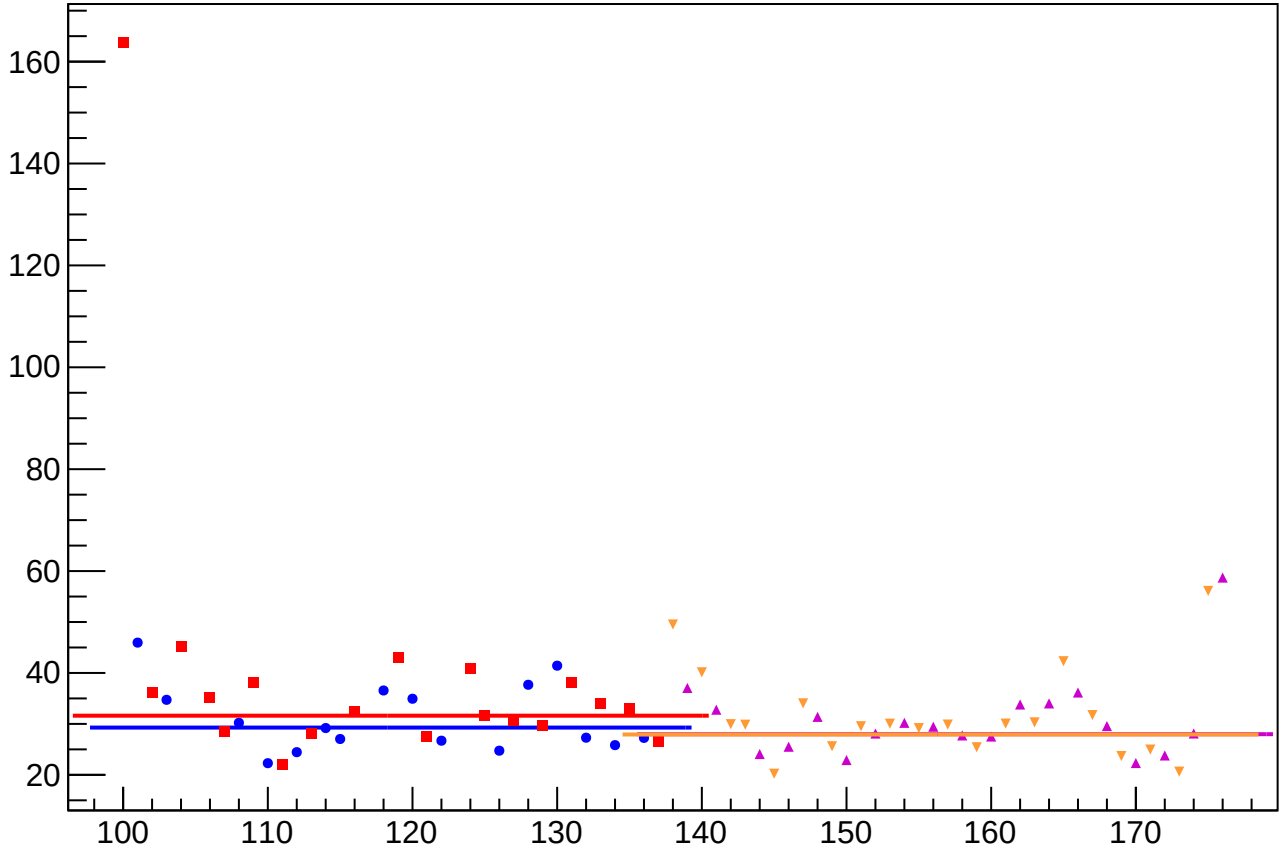
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.000+/-0.004 χ^2/NDF: 84.6/73

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: 27.923+/-0.005 χ^2/NDF:1561167.6/19

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

Left: 27.950+/-0.004 χ^2/NDF: 2475306.5/38

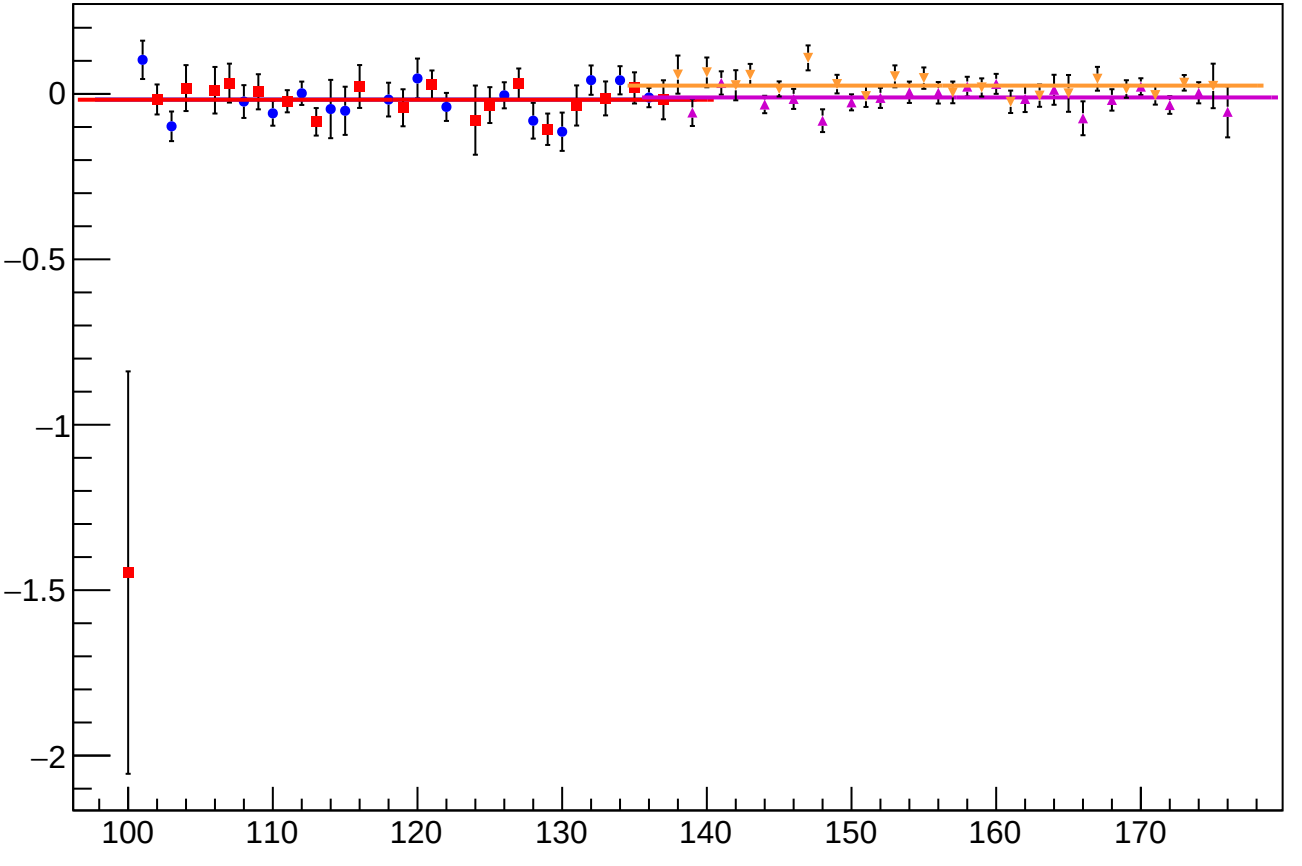
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.366+/-0.004 χ^2/NDF:1493159.2/34

Out: 28.912+/-0.004 χ^2/NDF:2269533.1/38

All: 28.636+/-0.003 χ^2/NDF: 3770369.8/73

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/19

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/38

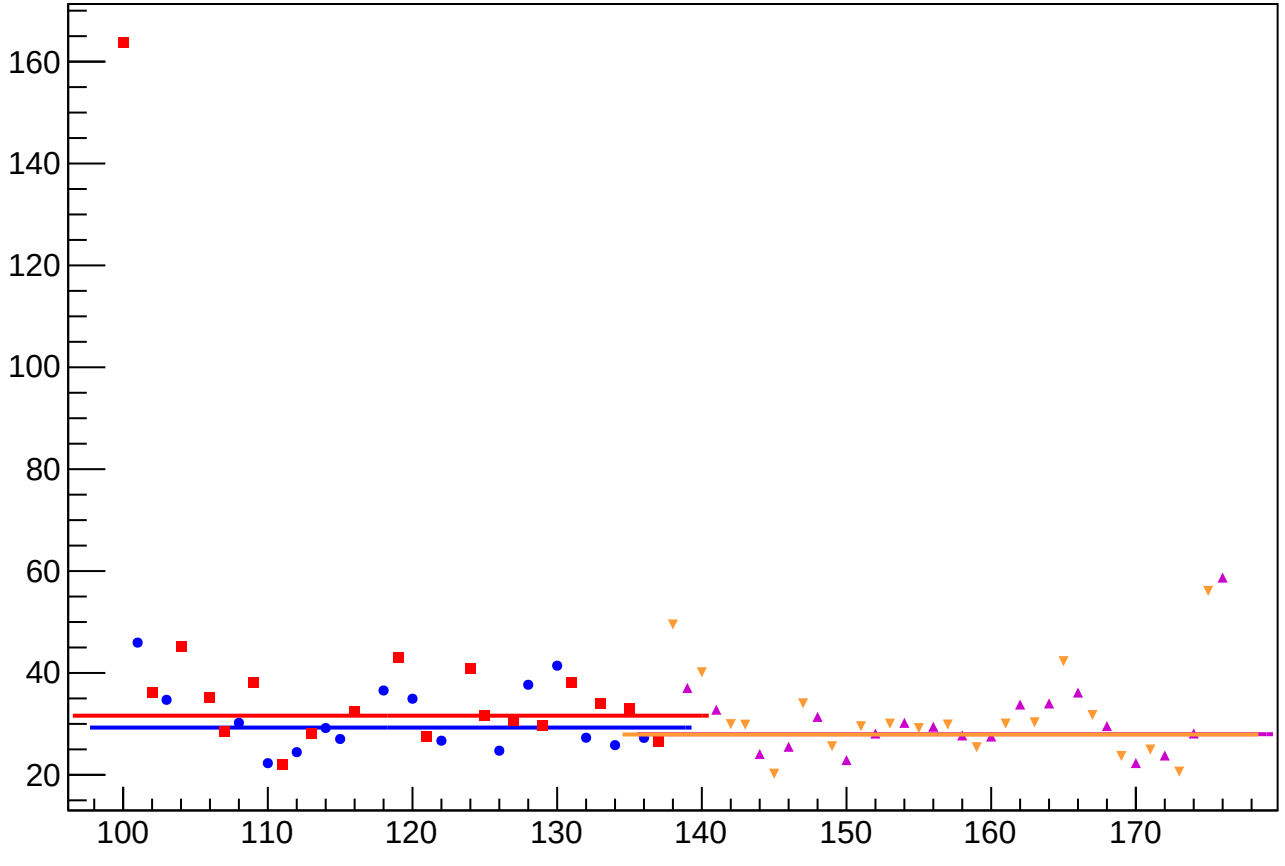
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/38

All: 0.000+/-0.004 χ^2/NDF: 84.6/73

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: 27.923+/-0.005 χ^2/NDF:1561167.6/19

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

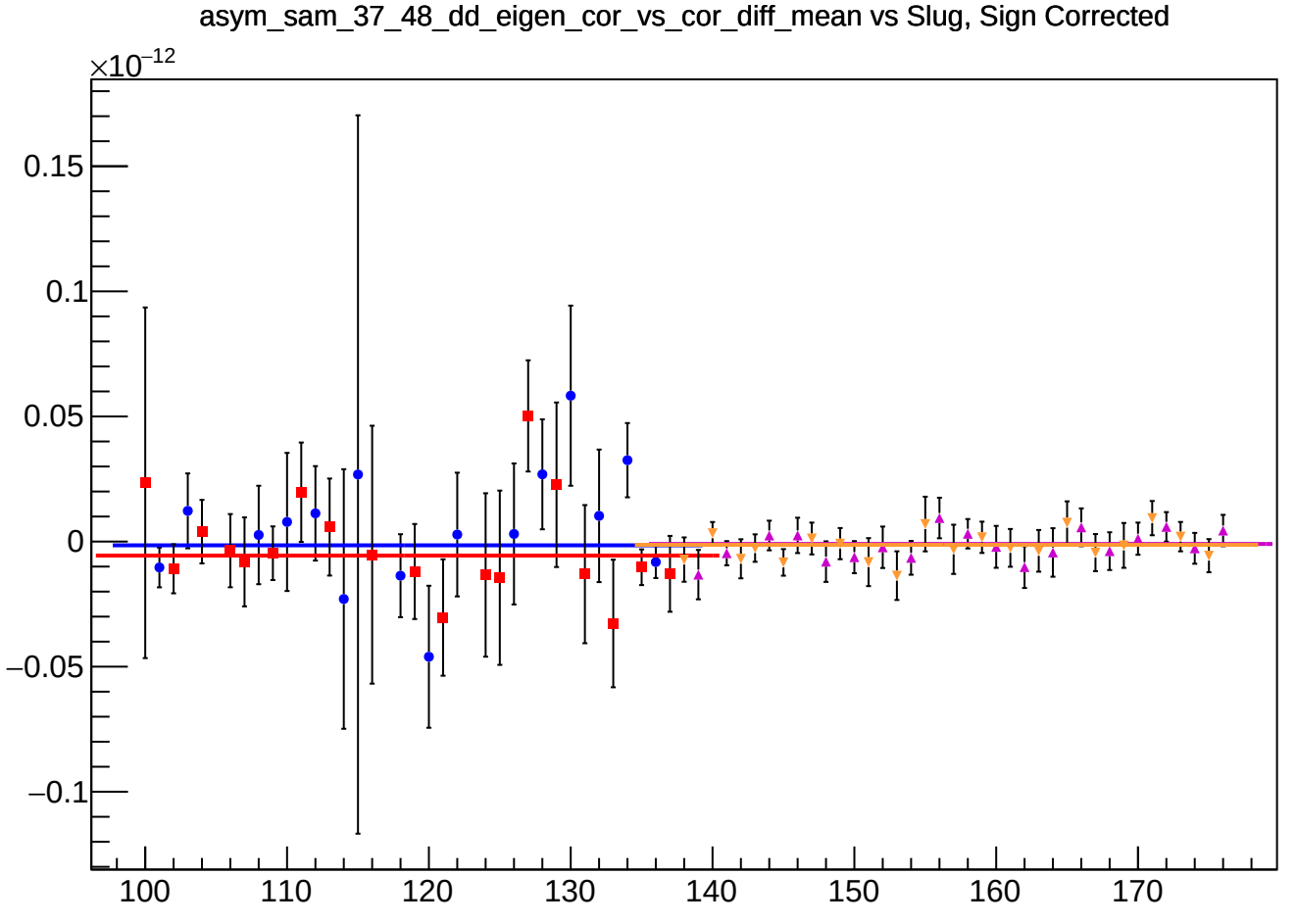
Left: 27.950+/-0.004 χ^2/NDF: 2475306.5/38

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.366+/-0.004 χ^2/NDF:1493159.2/34

Out: 28.912+/-0.004 χ^2/NDF:2269533.1/38

All: 28.636+/-0.003 χ^2/NDF: 3770369.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/18

Left: -0.000+/-0.000 χ^2/NDF: 23.0/38

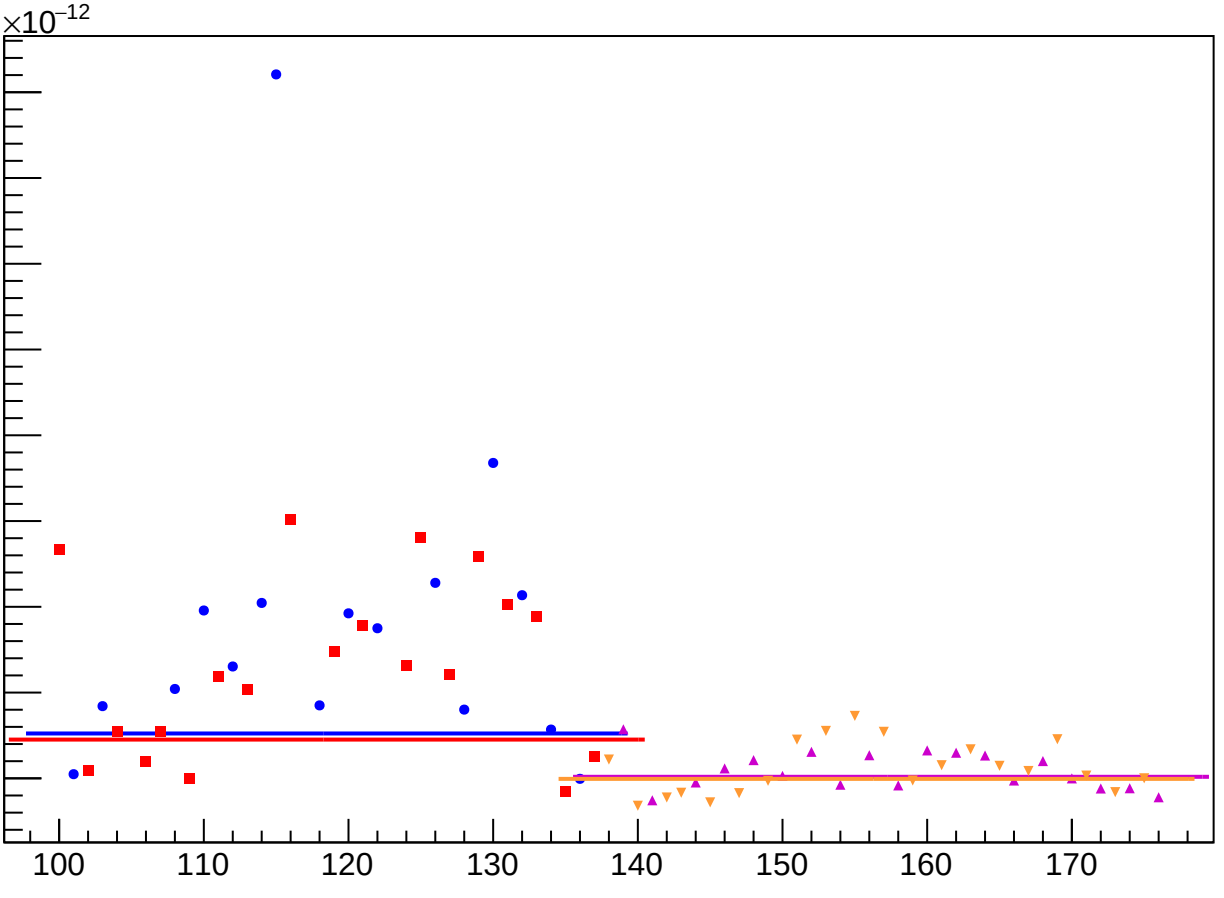
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:28.4/34

Out: -0.000+/-0.000 χ^2/NDF:26.0/38

All: -0.000+/-0.000 χ^2/NDF: 54.6/73

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:1487043.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:807511.9/18

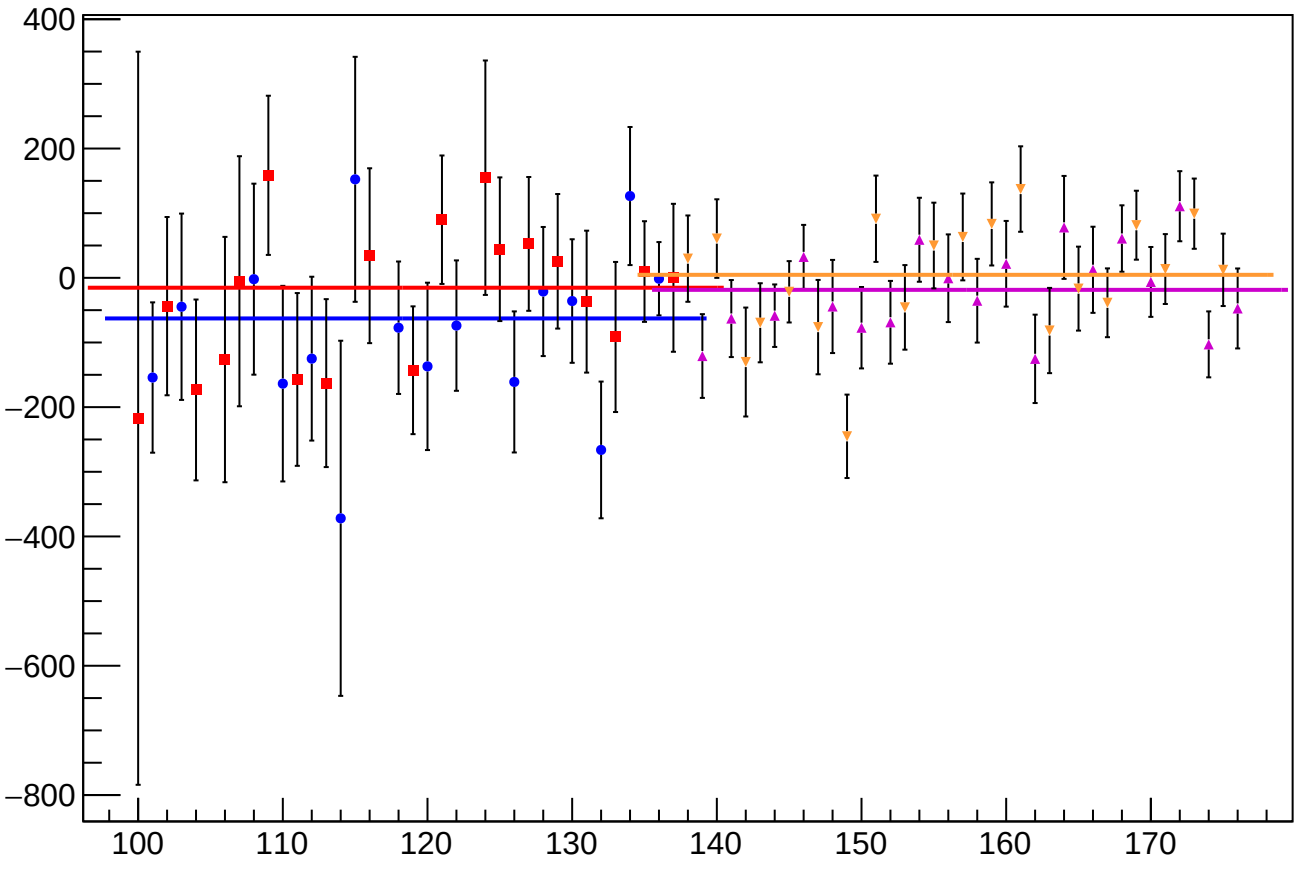
Left: 0.000+/-0.000 χ^2/NDF: 2300510.0/38

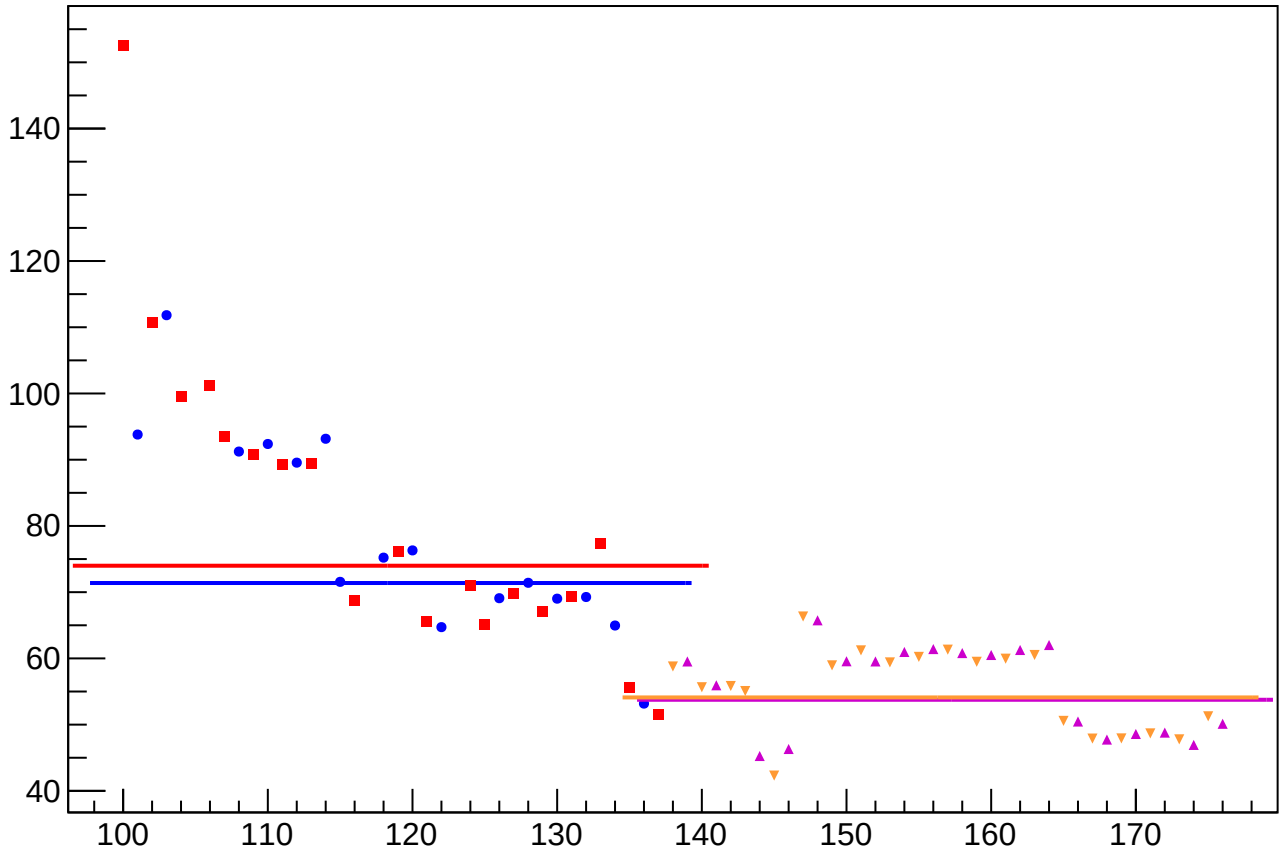
Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3574917.6/34

Out: 0.000+/-0.000 χ^2/NDF:4152097.0/38

All: 0.000+/-0.000 χ^2/NDF: 7735994.7/73


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: 4.655+/-13.701 χ²/NDF:38.2/19
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -18.585+/-13.775 χ²/NDF:23.5/18
Left: -6.902+/-9.714 χ²/NDF: 63.2/38
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -27.604+/-12.290 χ²/NDF:39.1/34
Out: 0.751+/-12.287 χ²/NDF:50.1/38
All: -13.423+/-8.690 χ²/NDF: 91.9/73



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

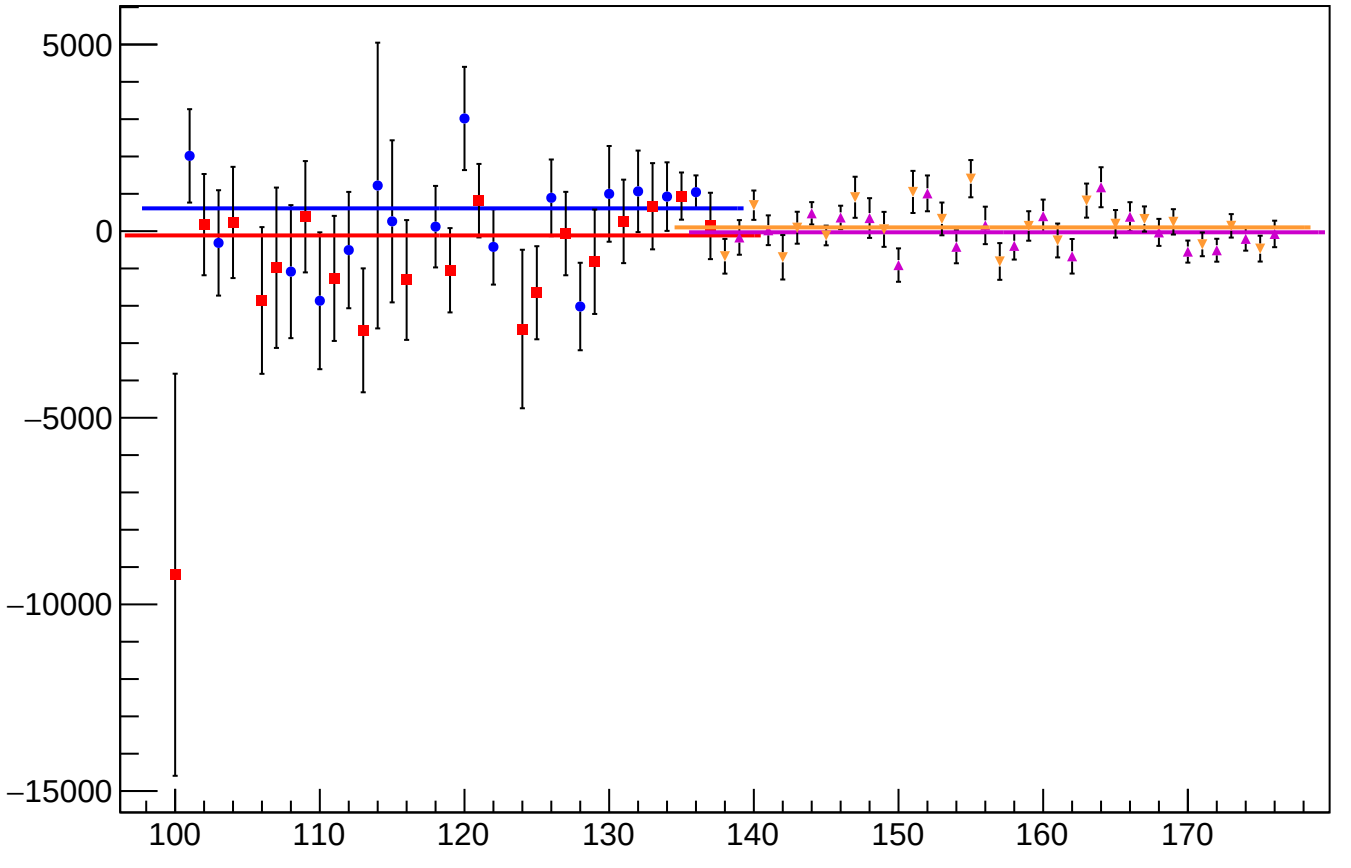
Left: 53.931+/-0.007 χ^2/NDF: 905709.9/38

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.350+/-0.009 χ^2/NDF:1723547.8/34

Out: 58.000+/-0.009 χ^2/NDF:1903864.4/38

All: 57.675+/-0.006 χ^2/NDF: 3630214.4/73



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 100.808+/-88.654 χ^2/NDF:31.6/19

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -30.927+/-88.062 χ^2/NDF:30.5/18

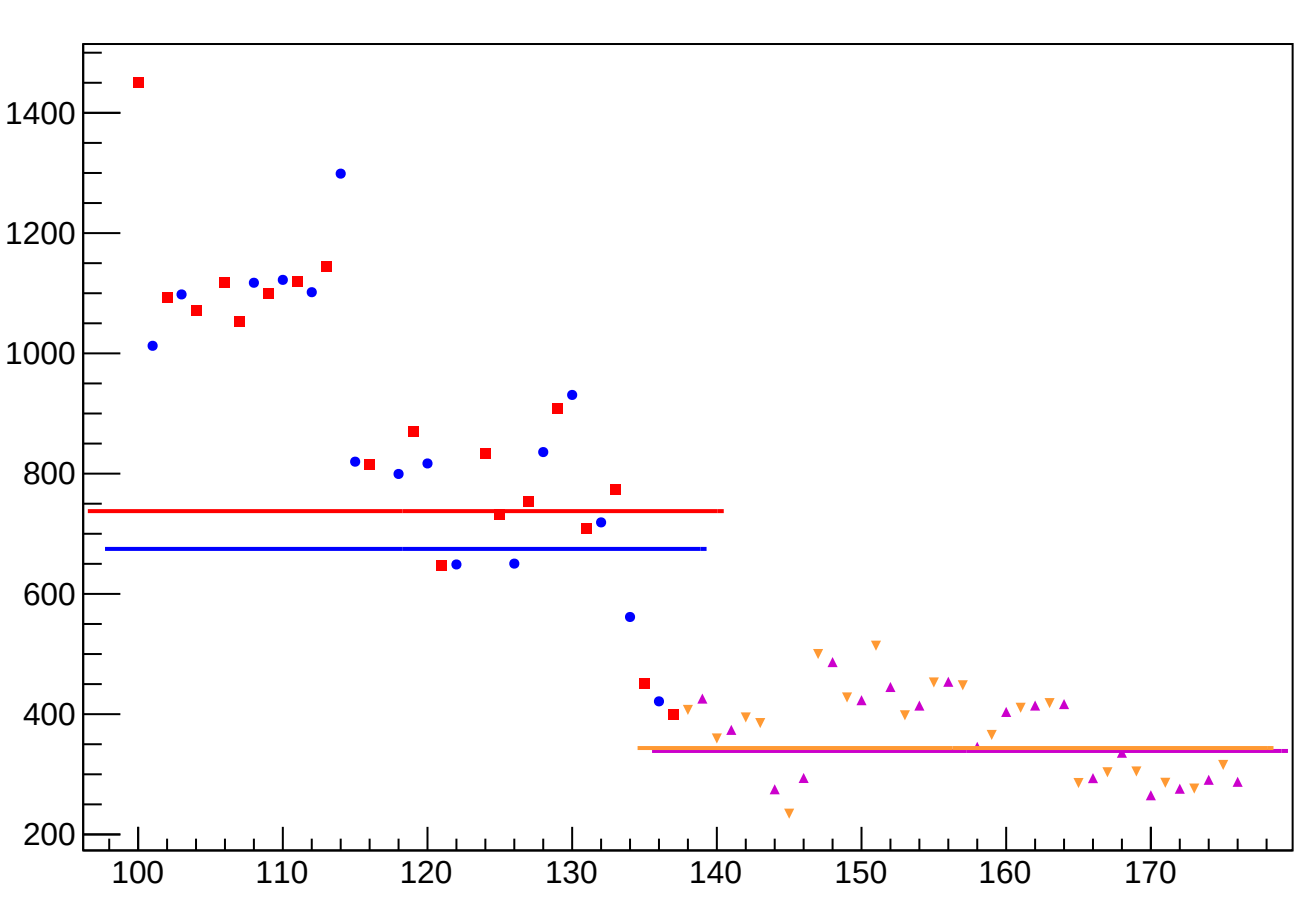
Left: 34.499+/-62.478 χ^2/NDF: 63.2/38

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 32.093+/-83.624 χ^2/NDF:51.4/34

Out: 81.716+/-84.635 χ^2/NDF:47.7/38

All: 56.606+/-59.486 χ^2/NDF: 99.3/73



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.3/19

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 338.816+/-0.062 χ^2/NDF:1165945.1/18

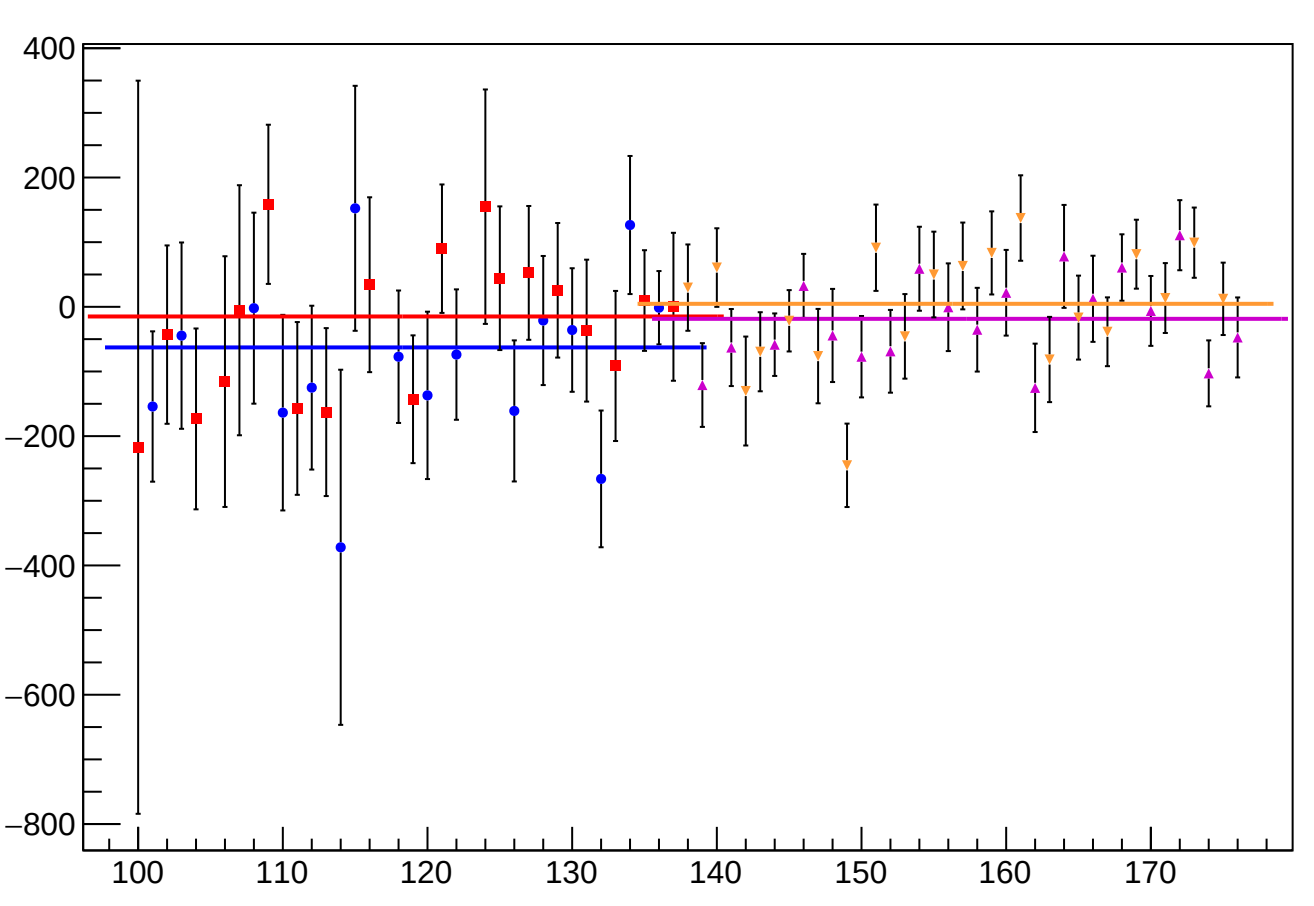
Left: 341.230+/-0.044 χ^2/NDF: 2588324.7/38

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 371.826+/-0.059 χ^2/NDF:5644144.3/34

Out: 378.592+/-0.060 χ^2/NDF:6436580.8/38

All: 375.168+/-0.042 χ^2/NDF: 12087191.6/73



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.655+/-13.701 χ^2/NDF:38.2/19

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -18.585+/-13.775 χ^2/NDF:23.5/18

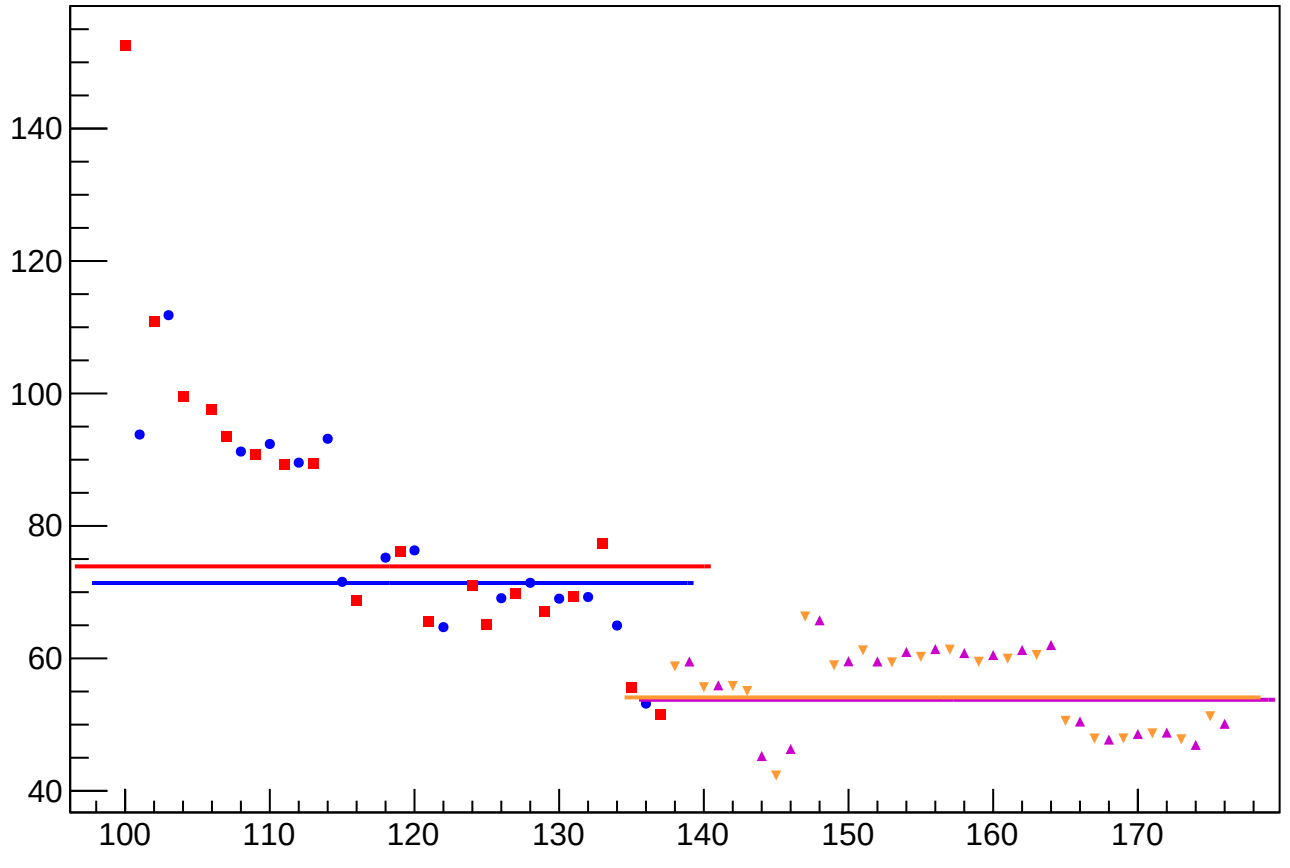
Left: -6.902+/-9.714 χ^2/NDF: 63.2/38

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -27.602+/-12.290 χ^2/NDF:39.1/34

Out: 0.824+/-12.288 χ^2/NDF:50.0/38

All: -13.387+/-8.690 χ^2/NDF: 91.8/73



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

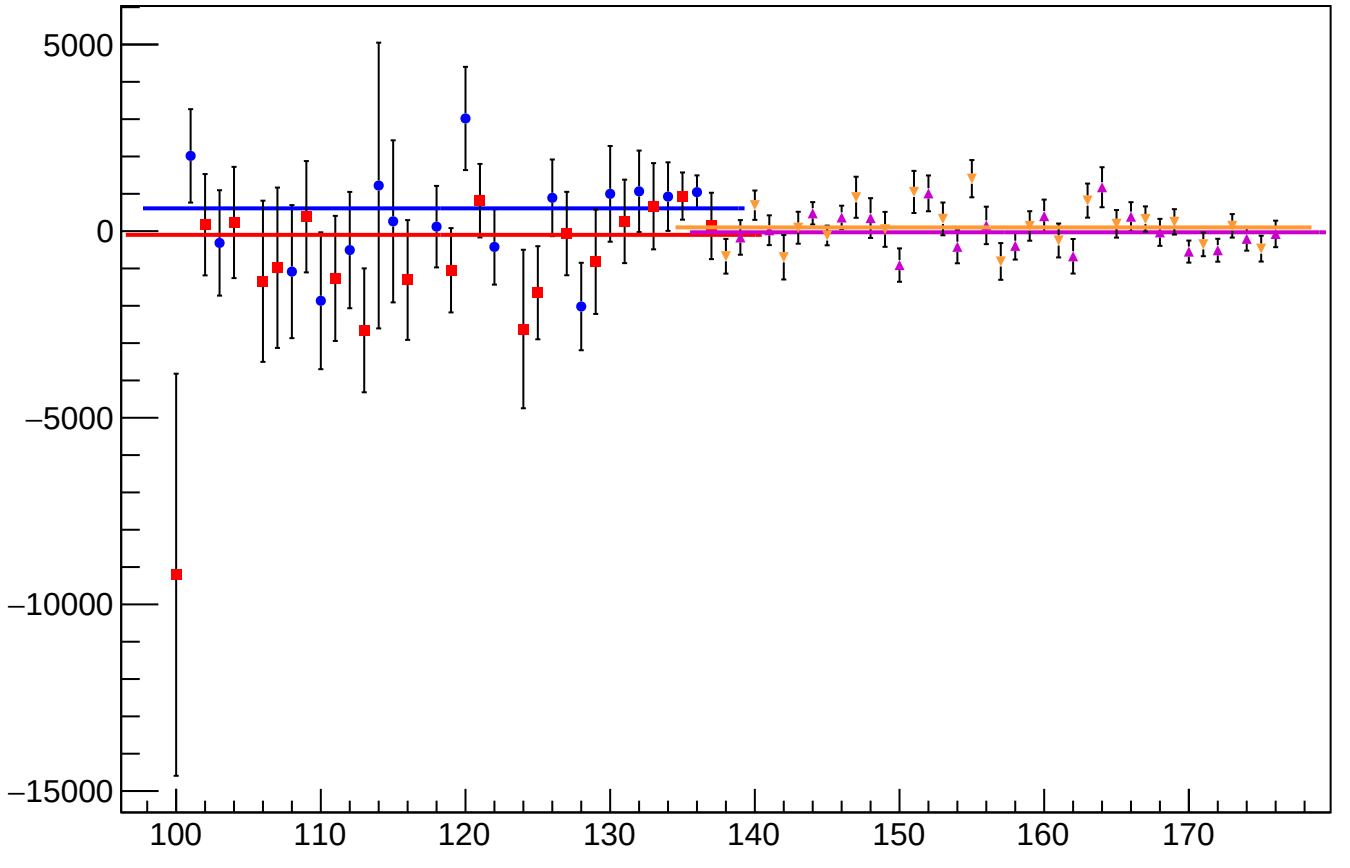
Left: 53.931+/-0.007 χ^2/NDF: 905709.9/38

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.350+/-0.009 χ^2/NDF:1723550.4/34

Out: 57.978+/-0.009 χ^2/NDF:1883553.4/38

All: 57.664+/-0.006 χ^2/NDF: 3609715.2/73



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -30.928+/-88.062 χ^2/NDF:30.5/18

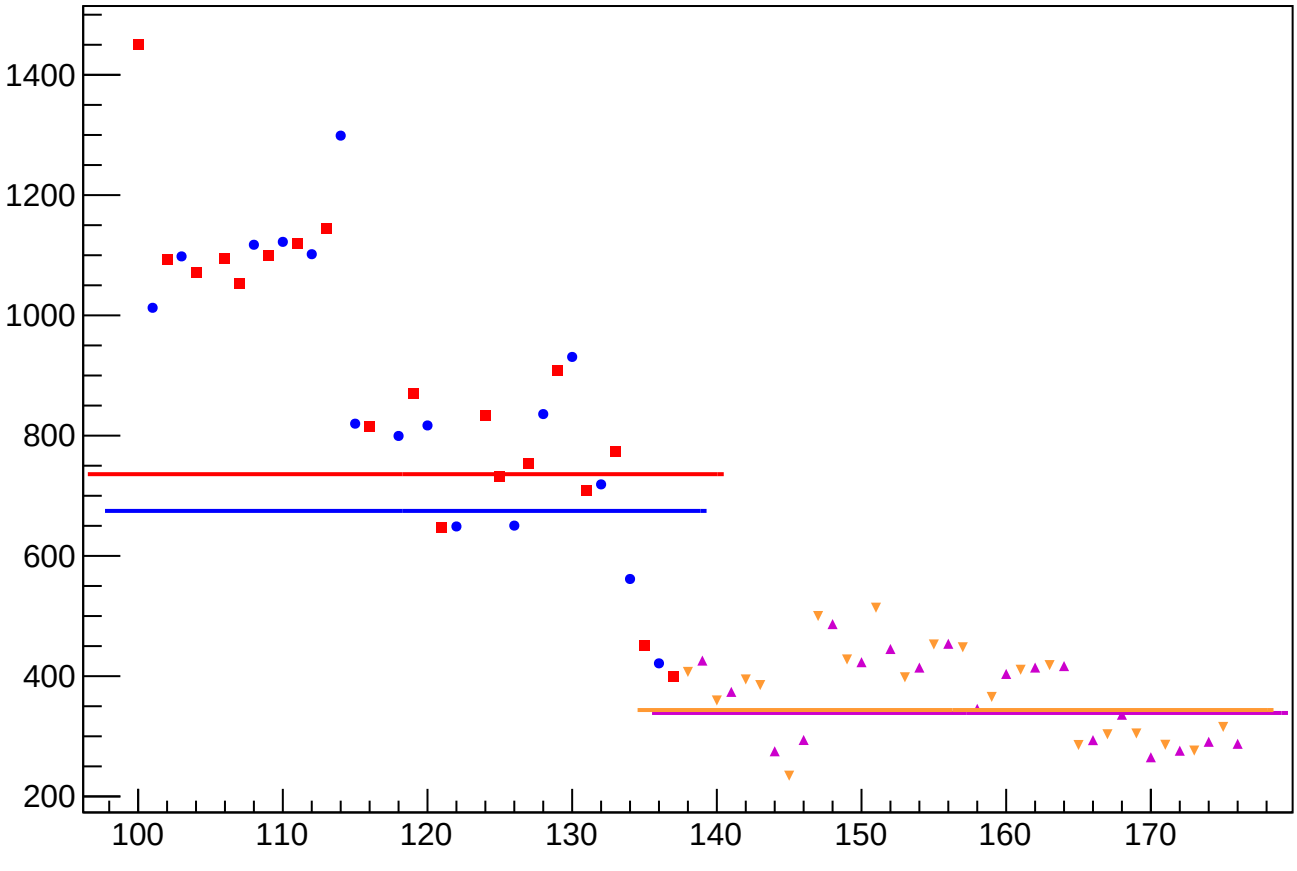
Left: 34.497+/-62.478 χ^2/NDF: 63.2/38

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 32.090+/-83.624 χ^2/NDF:51.4/34

Out: 83.110+/-84.649 χ^2/NDF:47.2/38

All: 57.289+/-59.490 χ^2/NDF: 98.7/73



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

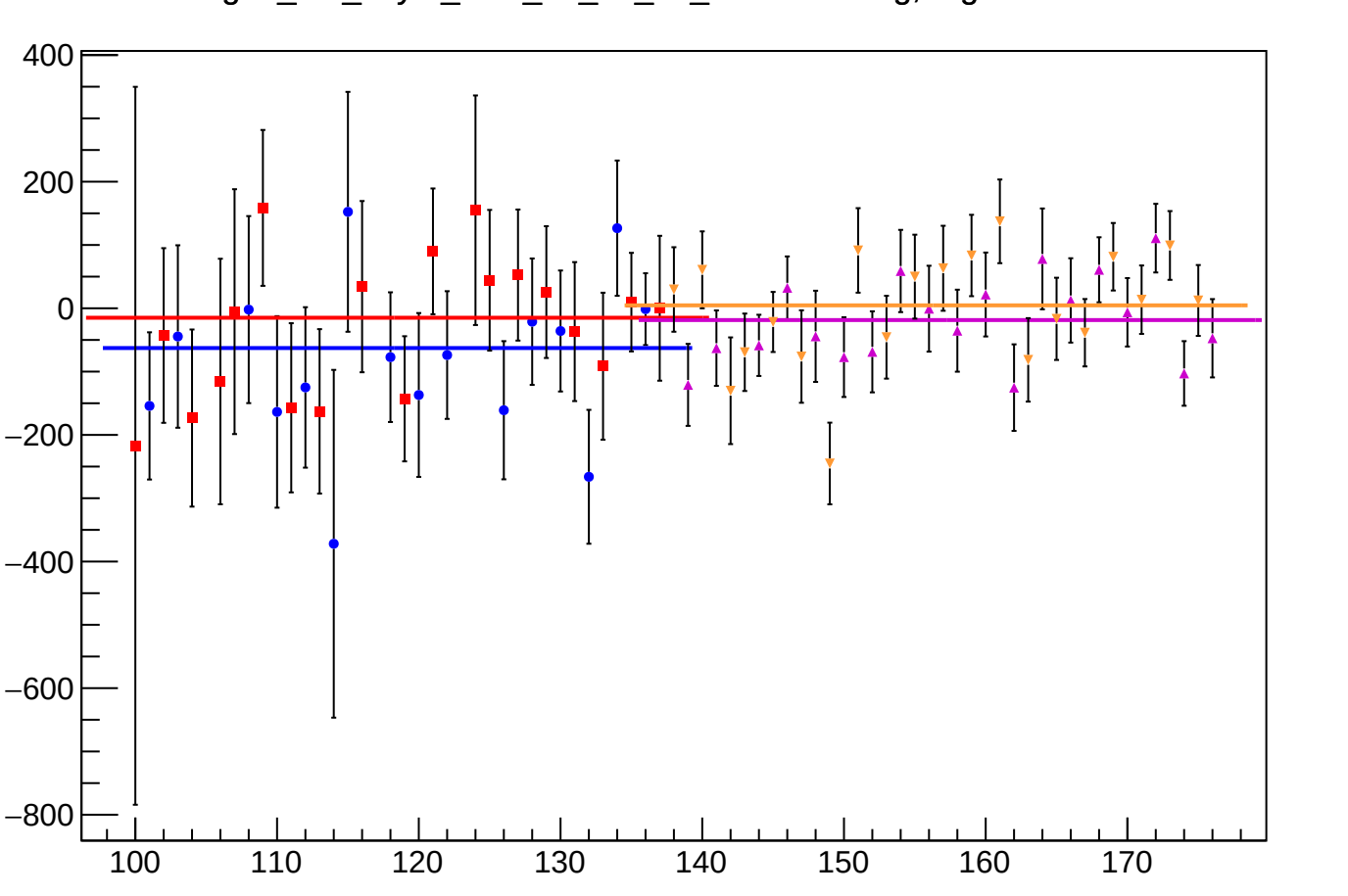
Left: 341.230+/-0.044 χ^2/NDF: 2588335.7/38

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.826+/-0.059 χ^2/NDF:5644179.4/34

Out: 378.321+/-0.060 χ^2/NDF:6374177.6/38

All: 375.034+/-0.042 χ^2/NDF: 12024315.4/73


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
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−200
−400
−600
−800
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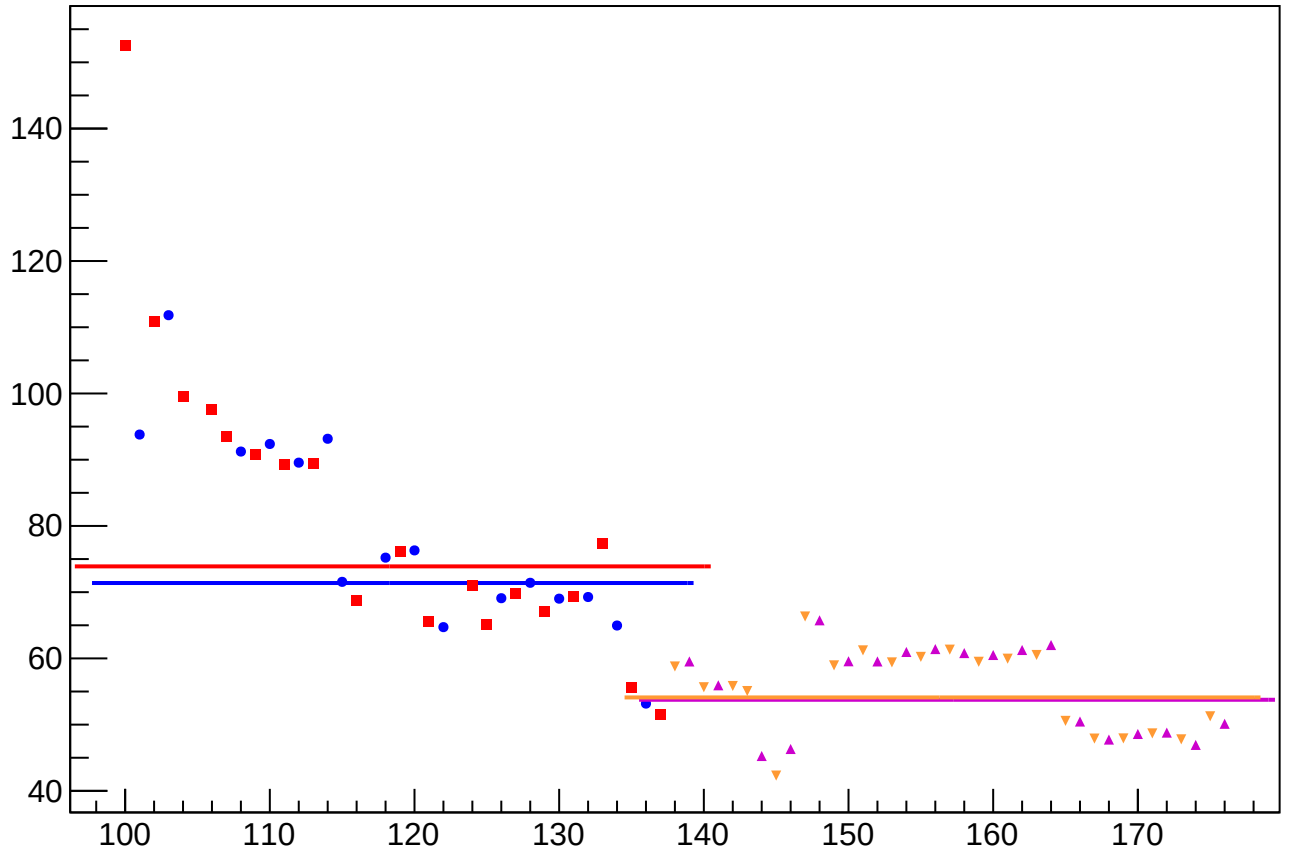
120
130
140
150
160
170
Right In: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: 4.655+/-13.701 χ²/NDF:38.2/19
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -18.585+/-13.775 χ²/NDF:23.5/18
Left: -6.902+/-9.714 χ²/NDF: 63.2/38
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -27.602+/-12.290 χ²/NDF:39.1/34
Out: 0.824+/-12.288 χ²/NDF:50.0/38
All: -13.387+/-8.690 χ²/NDF: 91.8/73



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.107+/-0.010 χ^2/NDF:440560.1/19

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

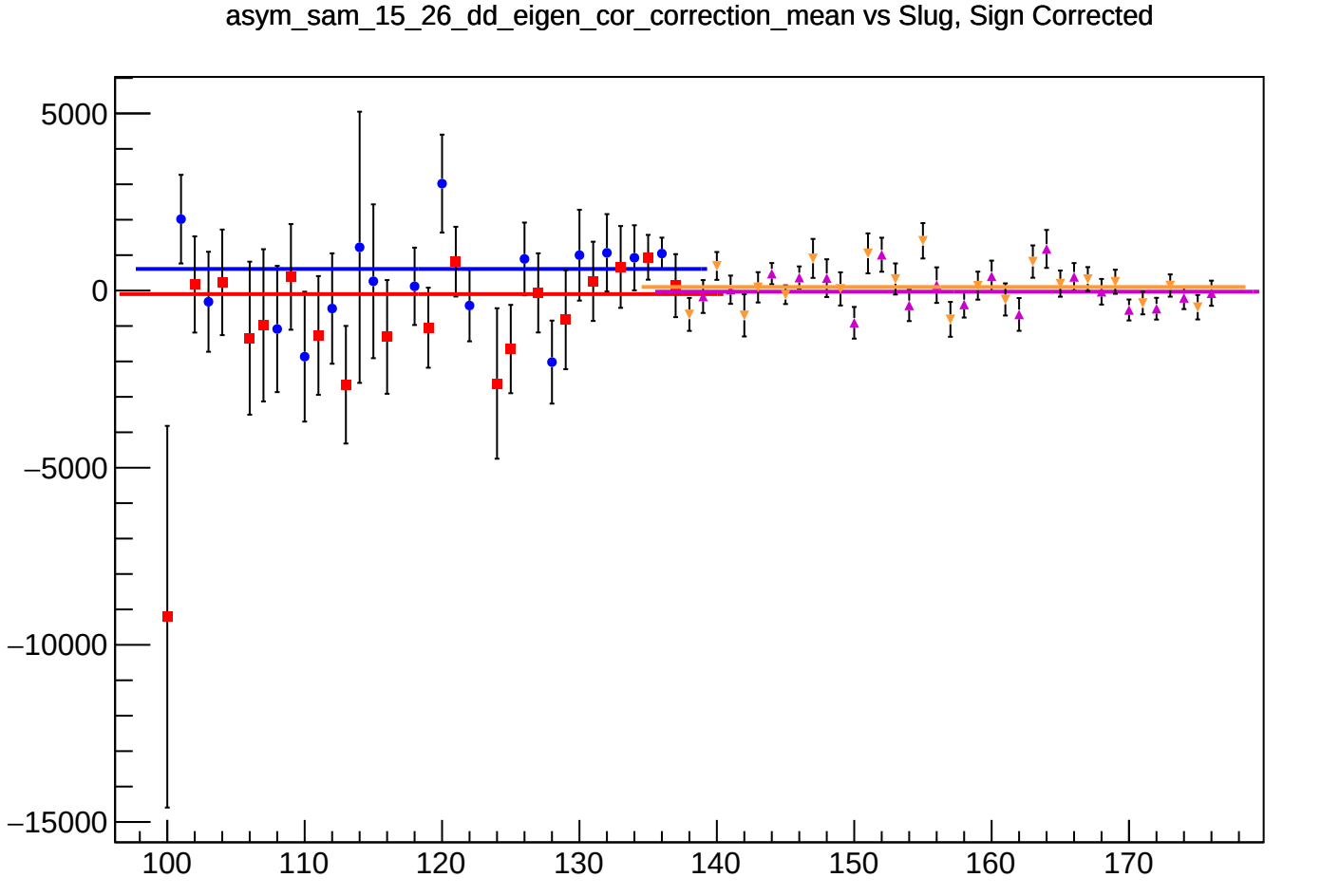
Left: 53.931+/-0.007 χ^2/NDF: 905709.9/38

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.350+/-0.009 χ^2/NDF:1723550.4/34

Out: 57.978+/-0.009 χ^2/NDF:1883553.4/38

All: 57.664+/-0.006 χ^2/NDF: 3609715.2/73



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 100.806+/-88.654 χ^2/NDF:31.6/19

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -30.928+/-88.062 χ^2/NDF:30.5/18

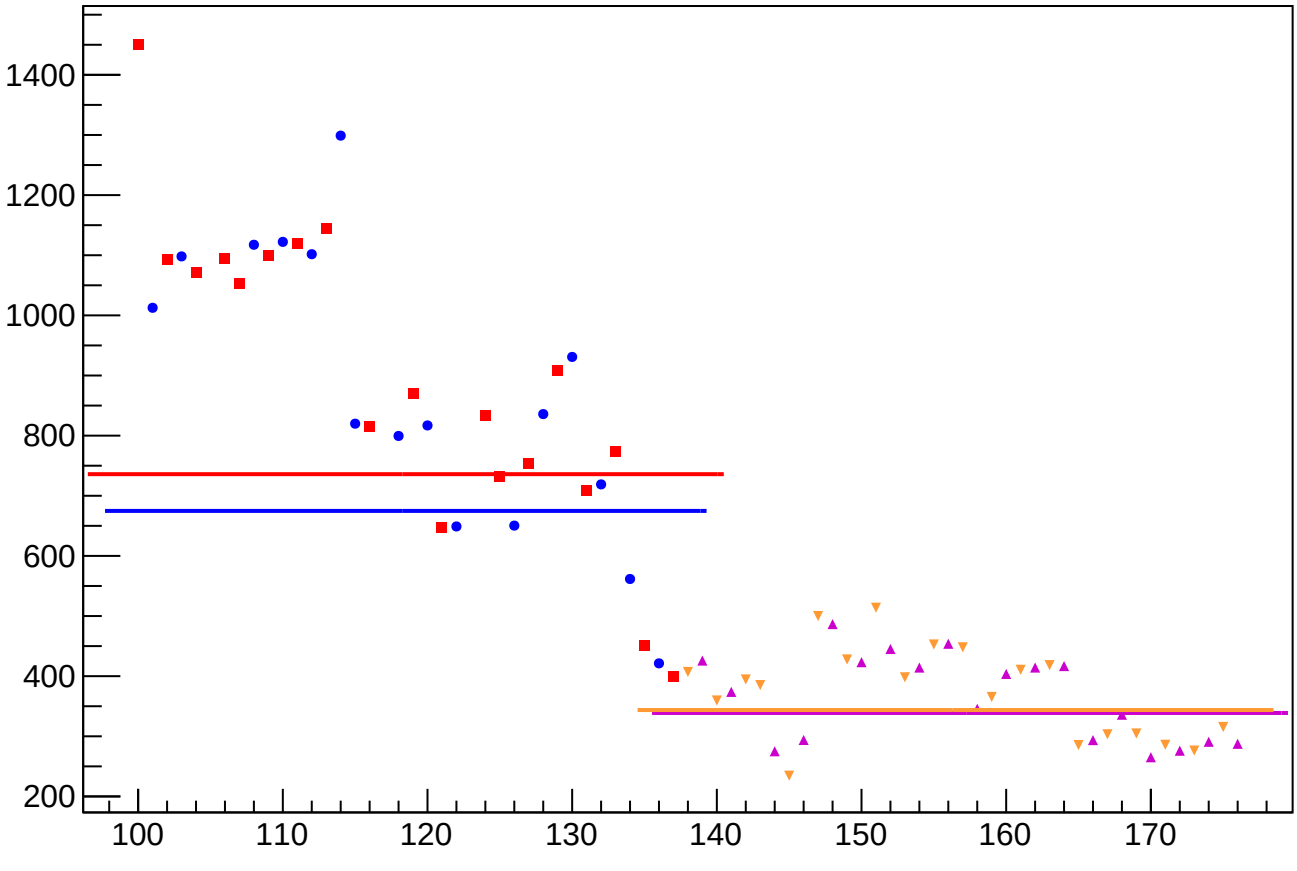
Left: 34.497+/-62.478 χ^2/NDF: 63.2/38

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 32.090+/-83.624 χ^2/NDF:51.4/34

Out: 83.110+/-84.649 χ^2/NDF:47.2/38

All: 57.289+/-59.490 χ^2/NDF: 98.7/73



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.677+/-0.063 χ^2/NDF:1419353.9/19

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

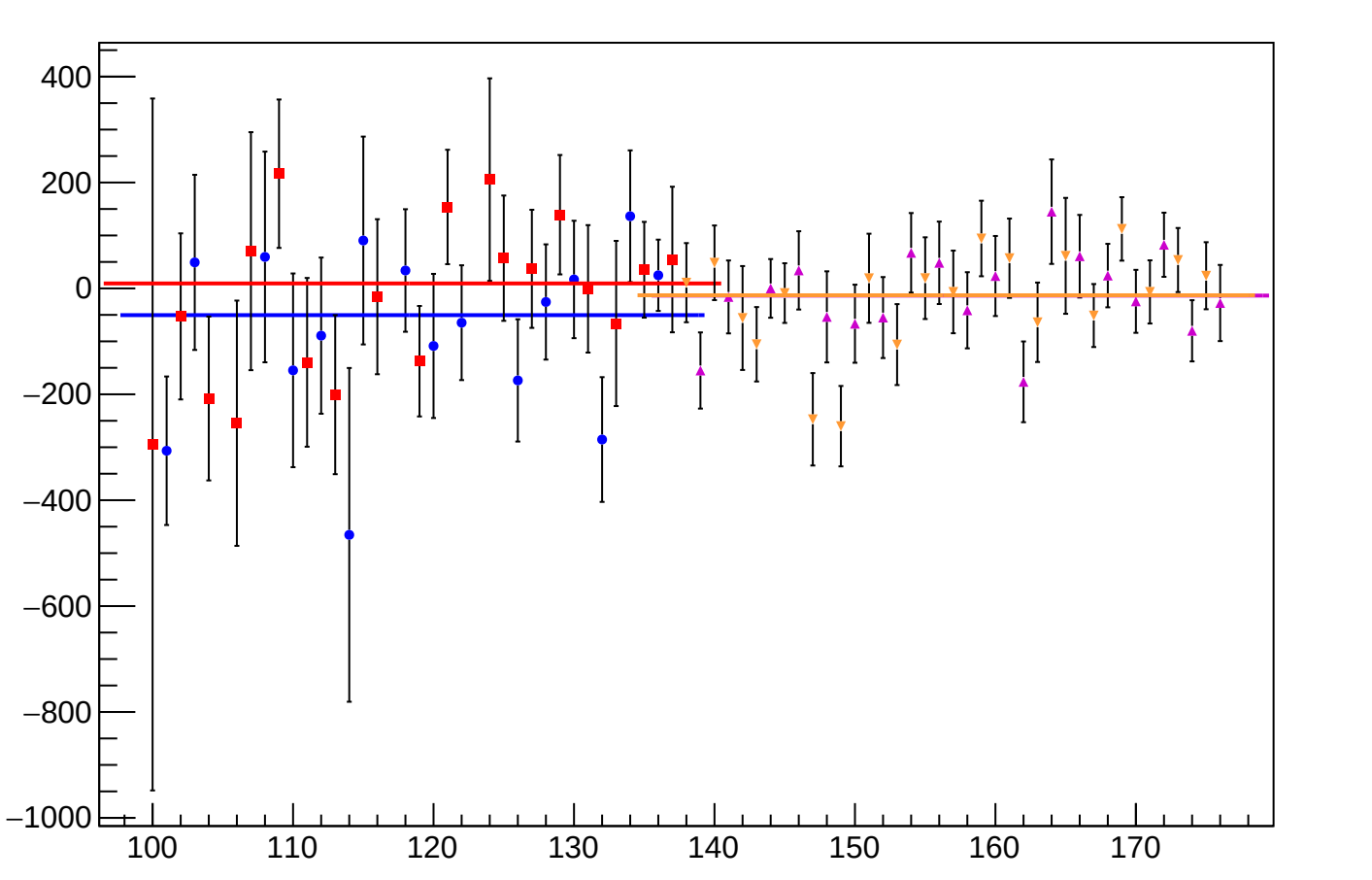
Left: 341.230+/-0.044 χ^2/NDF: 2588335.7/38

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.826+/-0.059 χ^2/NDF:5644179.4/34

Out: 378.321+/-0.060 χ^2/NDF:6374177.6/38

All: 375.034+/-0.042 χ^2/NDF: 12024315.4/73



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.934+/-15.909 χ^2/NDF:32.8/19

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.541+/-16.058 χ^2/NDF:19.9/18

Left: -13.235+/-11.302 χ^2/NDF: 52.7/38

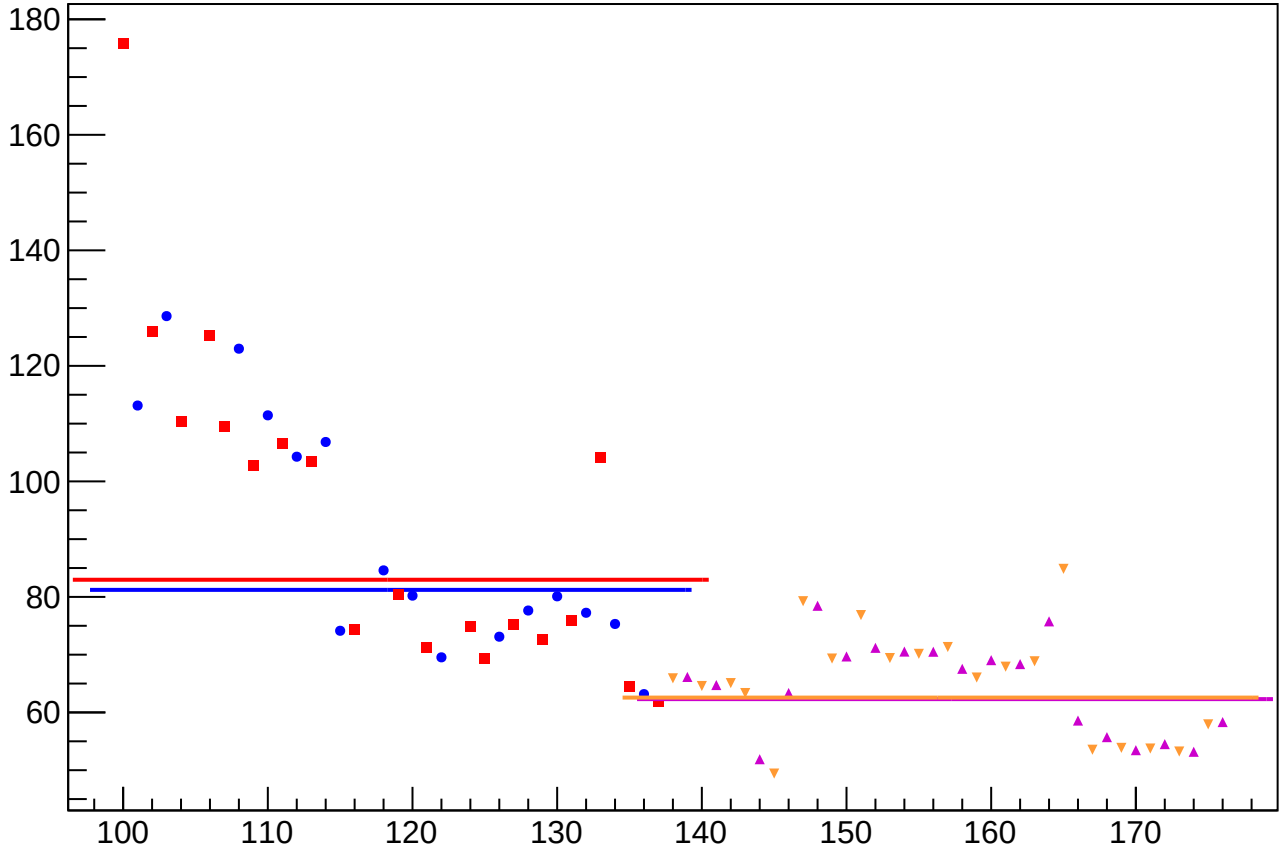
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.328+/-14.265 χ^2/NDF:37.4/34

Out: -8.338+/-14.176 χ^2/NDF:48.8/38

All: -14.793+/-10.055 χ^2/NDF: 86.6/73

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.569+/-0.011 χ^2/NDF:625360.2/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.305+/-0.011 χ^2/NDF:481167.6/18

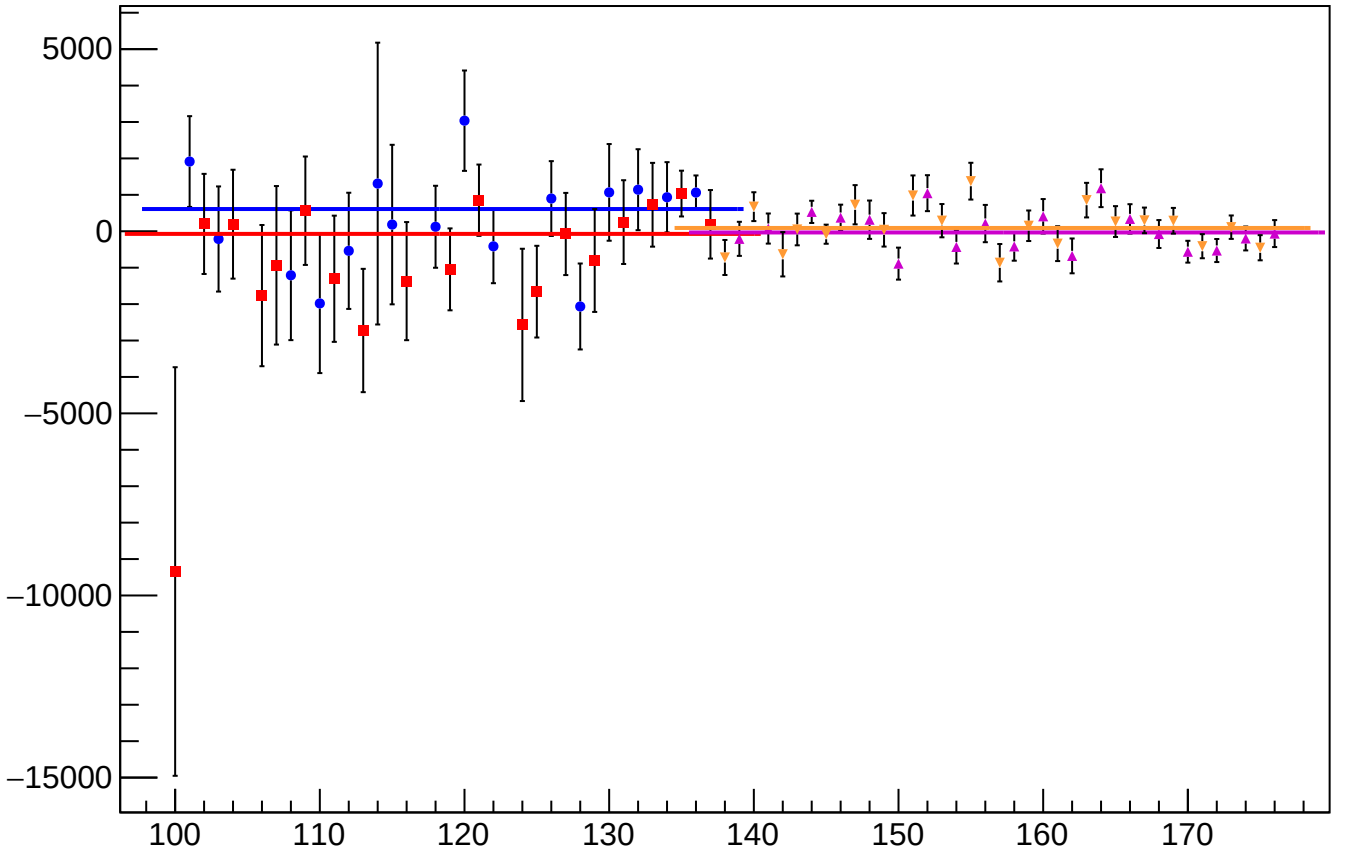
Left: 62.438+/-0.008 χ^2/NDF: 1106801.3/38

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.294+/-0.010 χ^2/NDF:1729173.0/34

Out: 66.771+/-0.010 χ^2/NDF:2033268.1/38

All: 66.534+/-0.007 χ^2/NDF: 3763570.0/73



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -33.155+/-91.197 χ^2/NDF:30.8/18

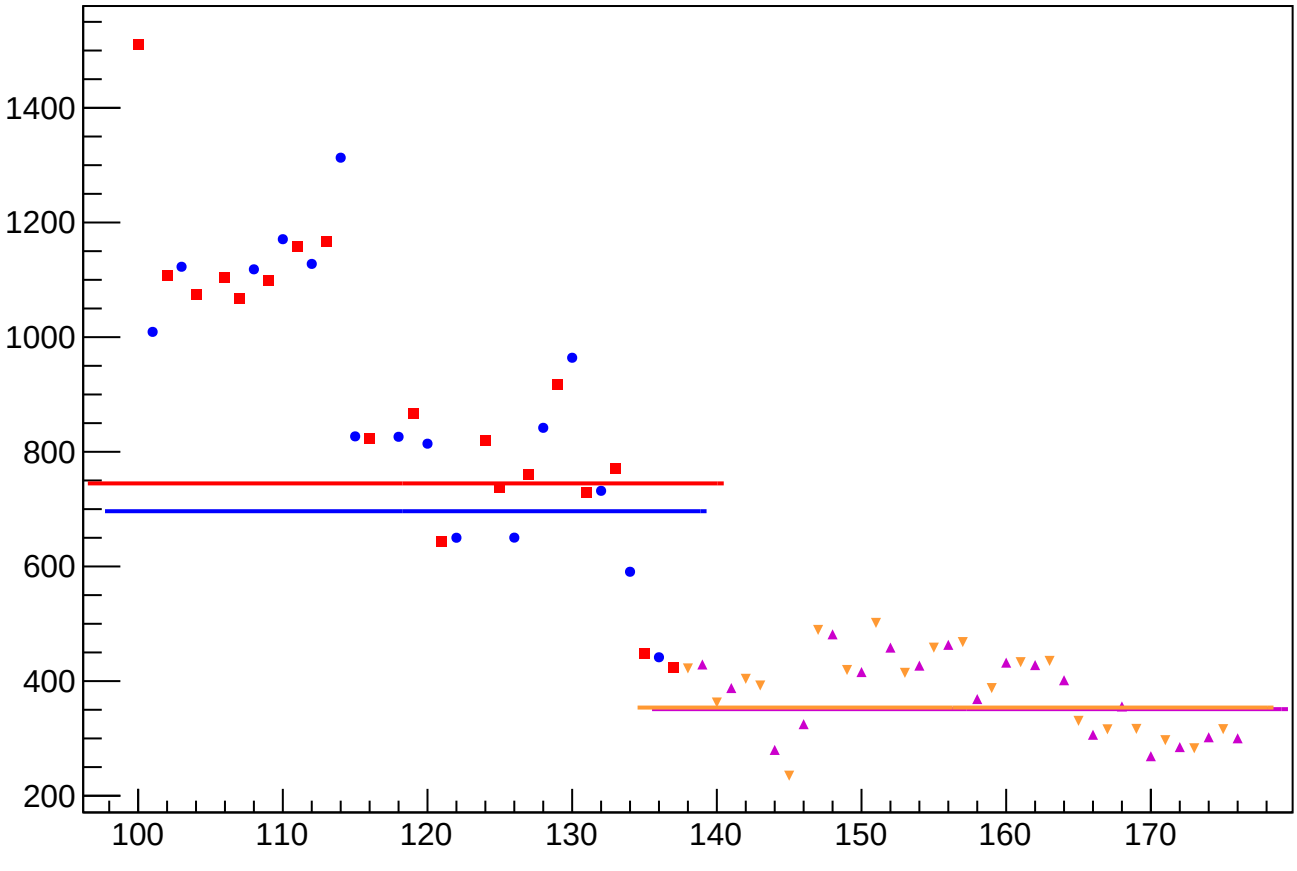
Left: 28.835+/-64.438 χ^2/NDF: 61.7/38

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 31.034+/-86.529 χ^2/NDF:51.5/34

Out: 75.721+/-86.792 χ^2/NDF:46.5/38

All: 53.310+/-61.278 χ^2/NDF: 98.2/73



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.861+/-0.064 χ^2/NDF:1370577.3/19

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 351.097+/-0.064 χ^2/NDF:1081066.3/18

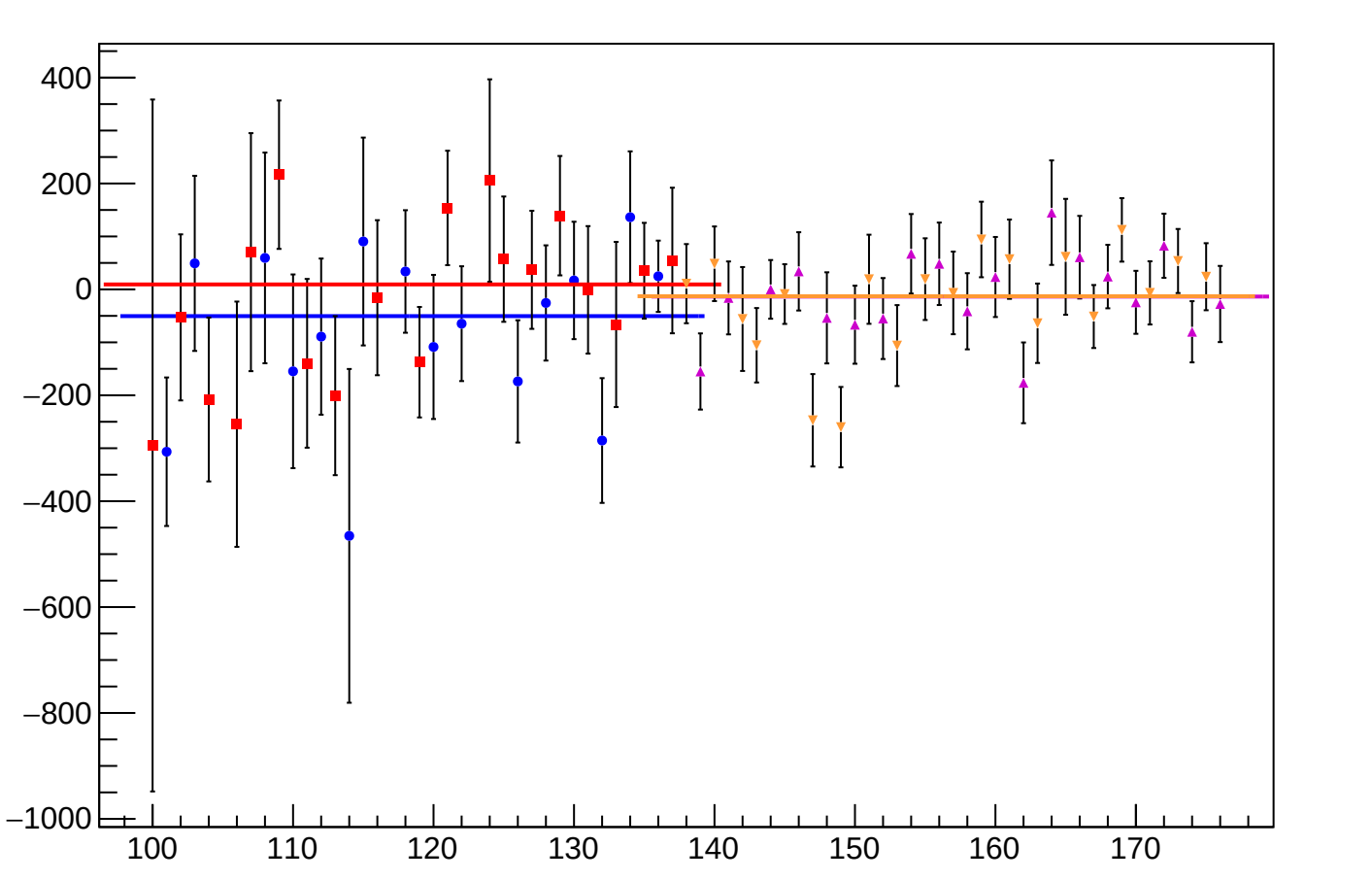
Left: 352.481+/-0.046 χ^2/NDF: 2452564.0/38

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 385.535+/-0.061 χ^2/NDF:5455985.7/34

Out: 389.663+/-0.061 χ^2/NDF:6245381.6/38

All: 387.593+/-0.043 χ^2/NDF: 11703636.1/73



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -12.933+/-15.909 χ^2/NDF:32.8/19

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.541+/-16.058 χ^2/NDF:19.9/18

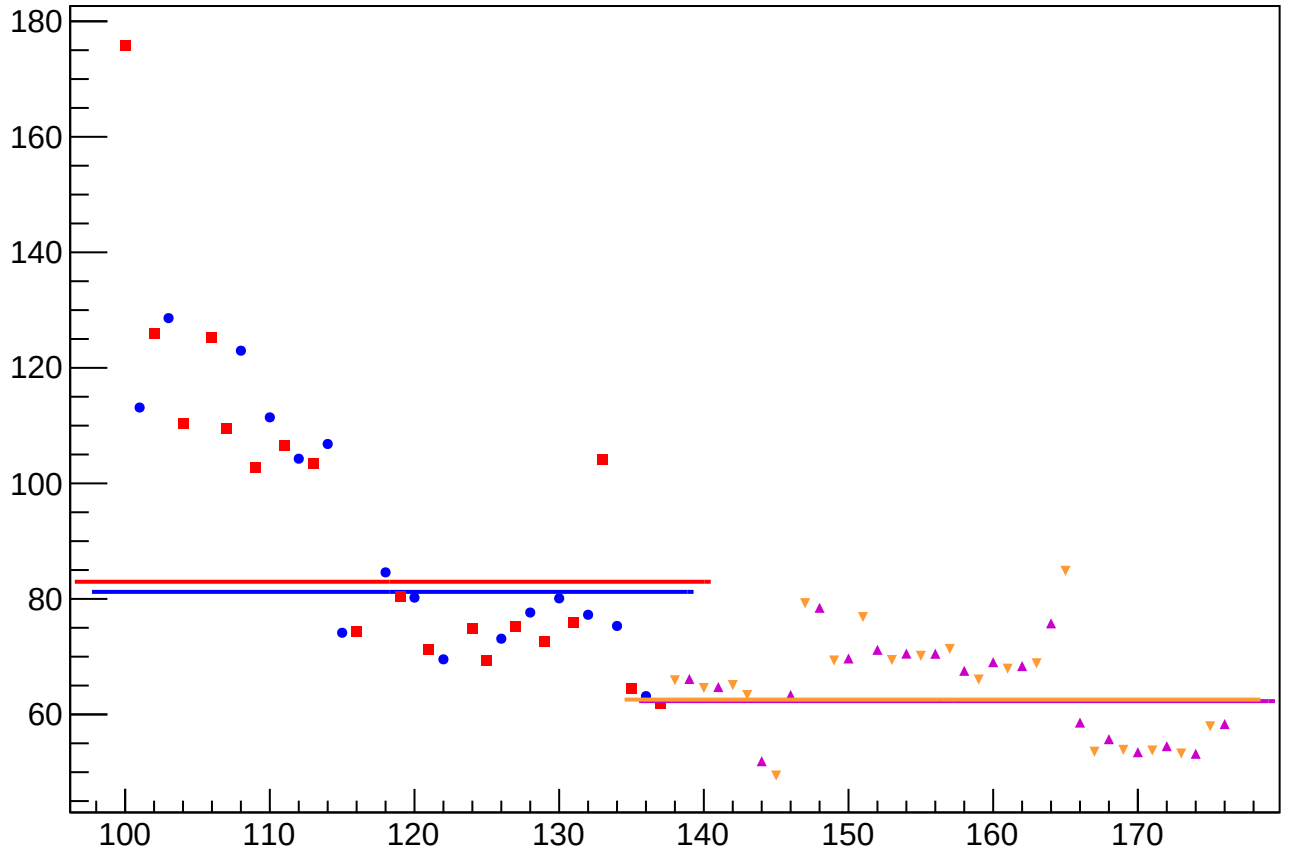
Left: -13.234+/-11.302 χ^2/NDF: 52.7/38

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.328+/-14.265 χ^2/NDF:37.4/34

Out: -8.337+/-14.176 χ^2/NDF:48.8/38

All: -14.792+/-10.055 χ^2/NDF: 86.6/73



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.569+/-0.011 χ^2/NDF:625357.0/19

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.305+/-0.011 χ^2/NDF:481160.2/18

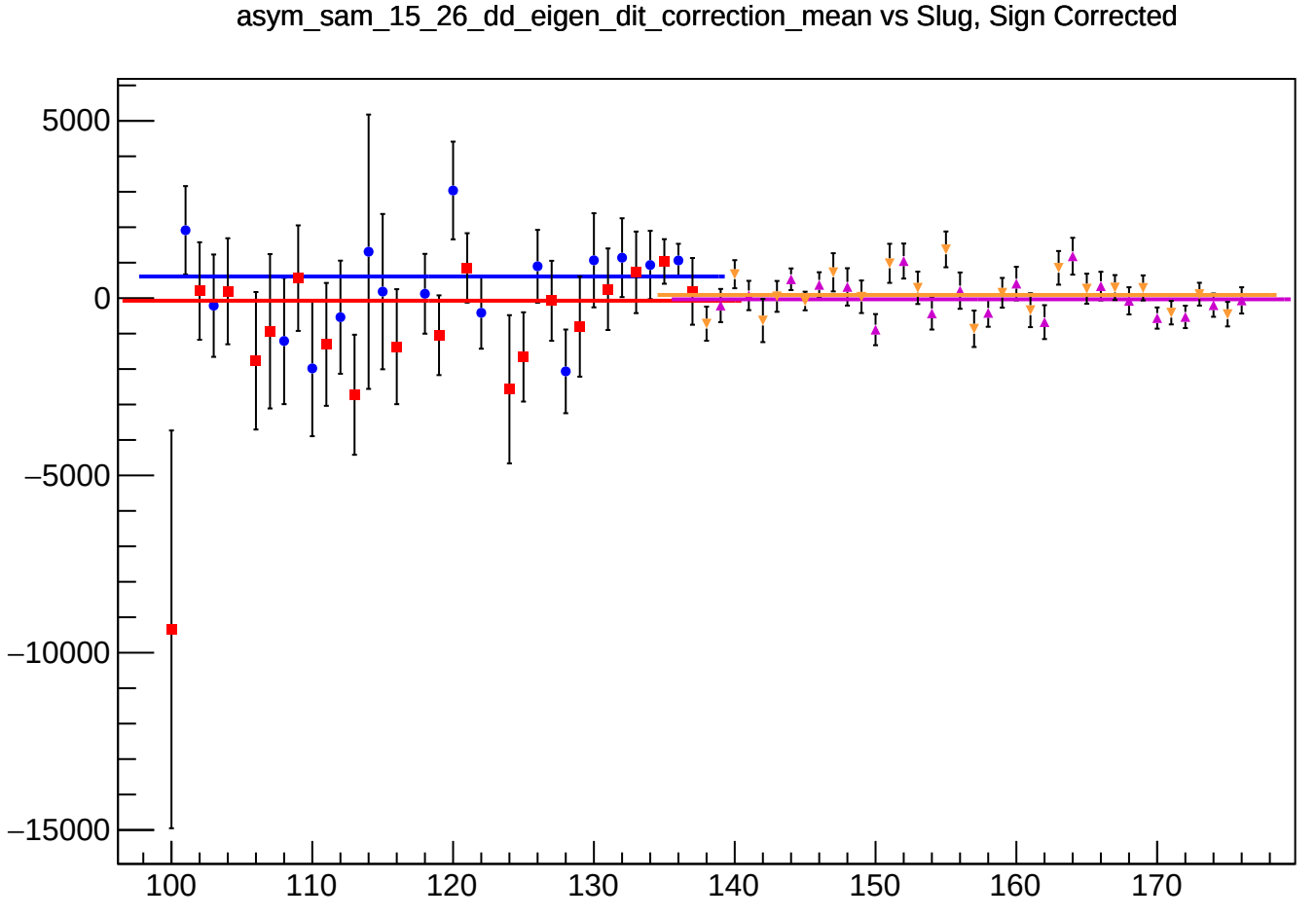
Left: 62.438+/-0.008 χ^2/NDF: 1106790.6/38

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.294+/-0.010 χ^2/NDF:1729120.0/34

Out: 66.771+/-0.010 χ^2/NDF:2033230.8/38

All: 66.534+/-0.007 χ^2/NDF: 3763479.6/73



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 90.641+/-91.061 χ^2/NDF:30.0/19

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -33.155+/-91.197 χ^2/NDF:30.8/18

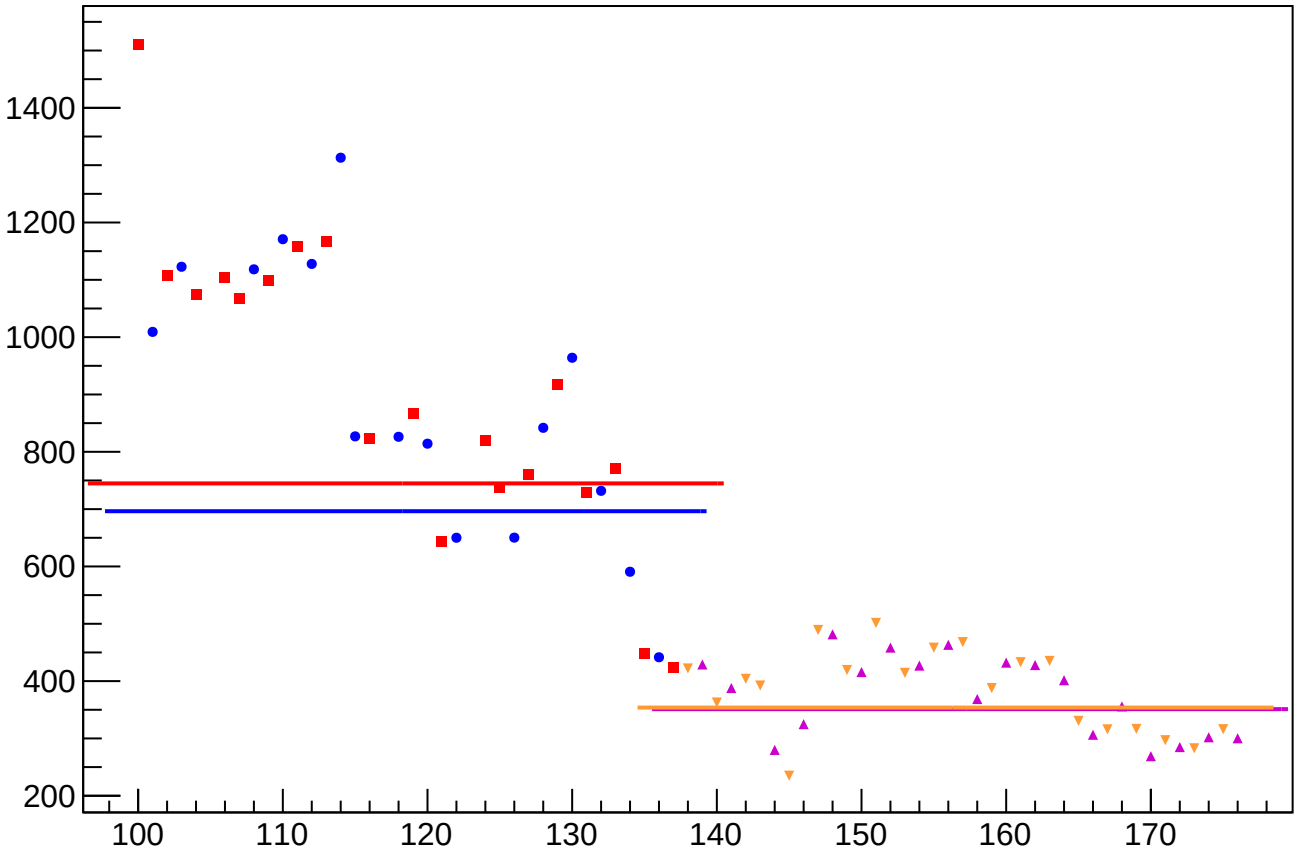
Left: 28.836+/-64.438 χ^2/NDF: 61.7/38

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 31.034+/-86.529 χ^2/NDF:51.5/34

Out: 75.721+/-86.792 χ^2/NDF:46.5/38

All: 53.310+/-61.278 χ^2/NDF: 98.2/73



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.862+/-0.064 χ^2/NDF:1370591.1/19

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 351.097+/-0.064 χ^2/NDF:1081071.5/18

Left: 352.481+/-0.046 χ^2/NDF: 2452582.9/38

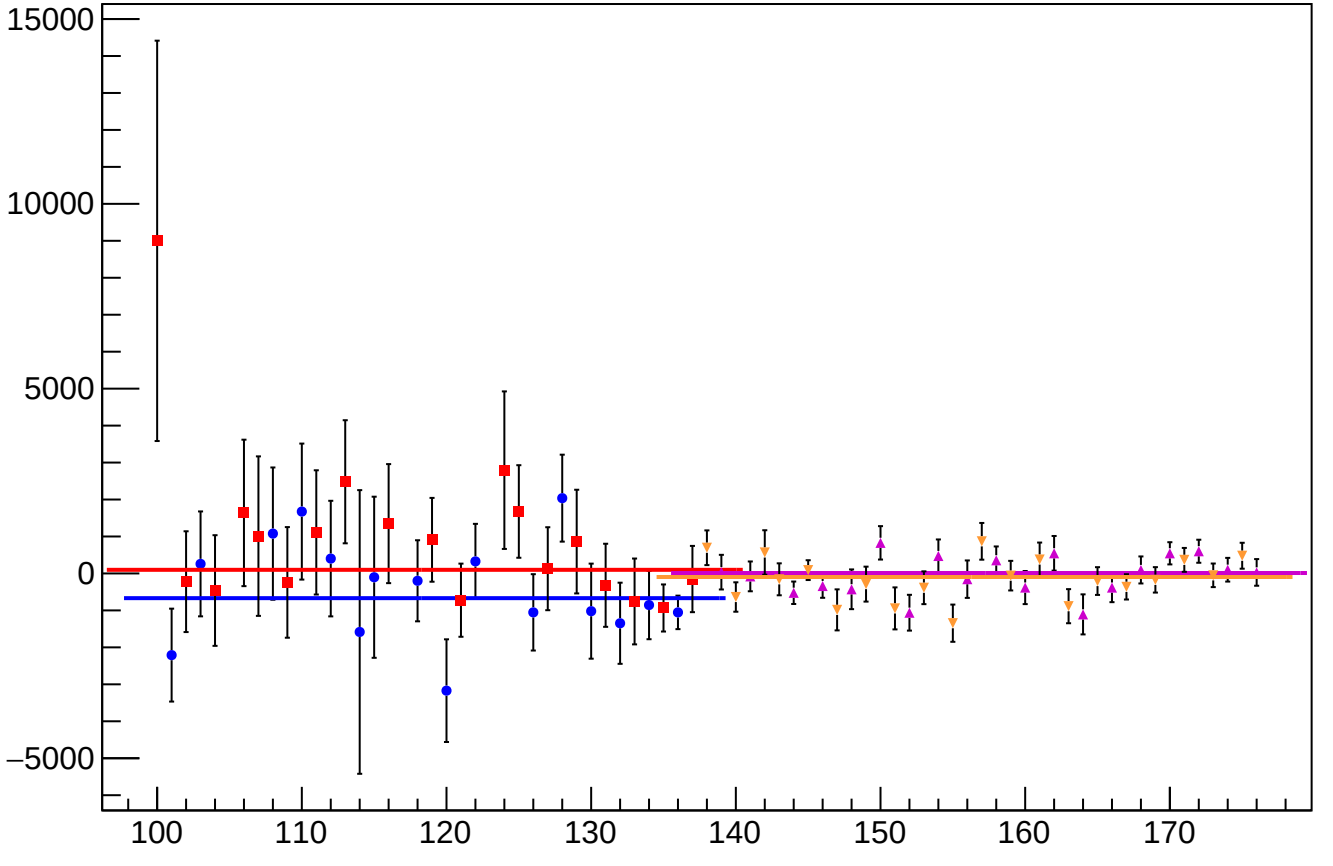
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 385.536+/-0.061 χ^2/NDF:5455964.0/34

Out: 389.663+/-0.061 χ^2/NDF:6245372.2/38

All: 387.593+/-0.043 χ^2/NDF: 11703604.8/73

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -96.277+/-89.769 χ^2/NDF:31.3/19

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 11.839+/-89.200 χ^2/NDF:29.4/18

Left: -41.875+/-63.274 χ^2/NDF: 61.4/38

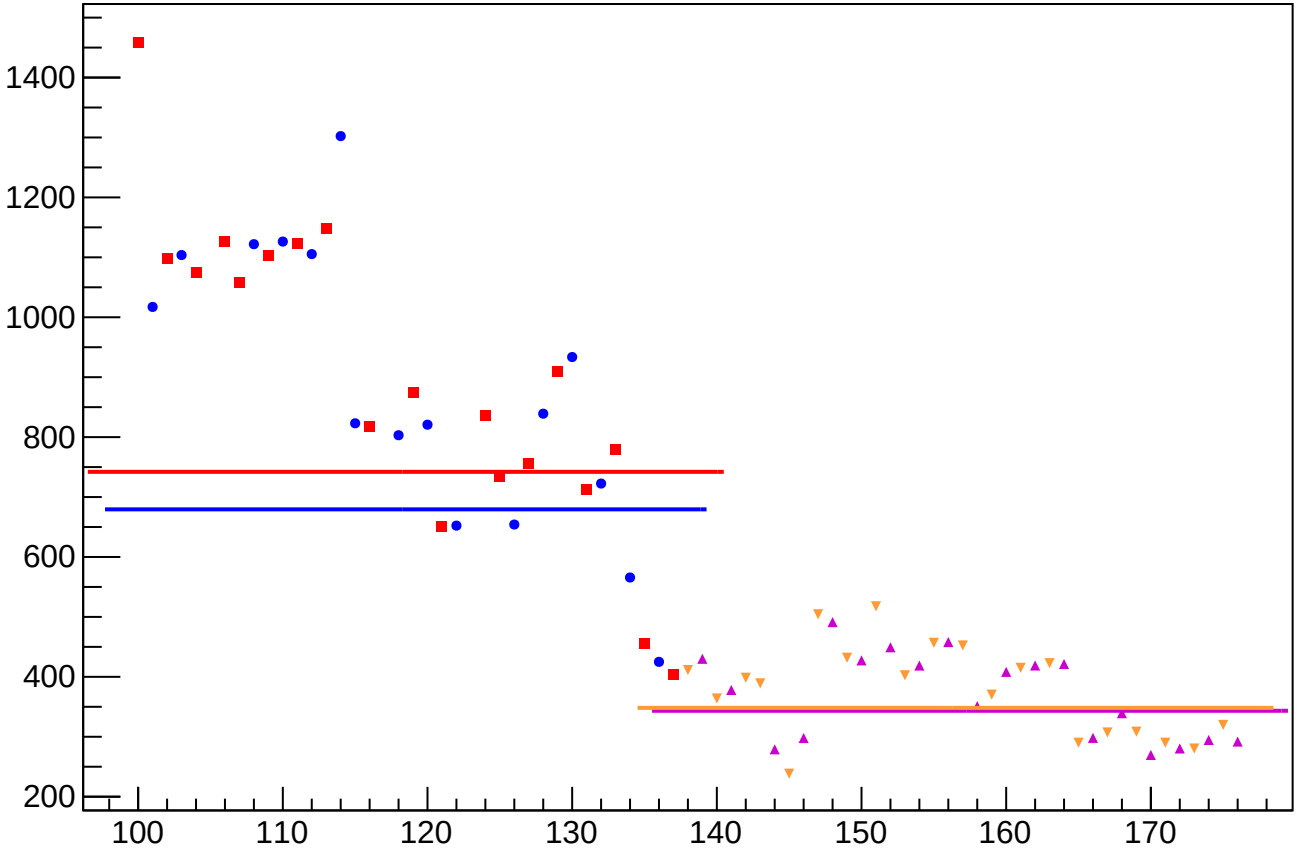
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -55.807+/-84.650 χ^2/NDF:51.3/34

Out: -78.839+/-85.646 χ^2/NDF:46.5/38

All: -67.189+/-60.206 χ^2/NDF: 97.9/73

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.210+/-0.063 χ^2/NDF:1389305.0/19

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 343.377+/-0.063 χ^2/NDF:1141370.1/18

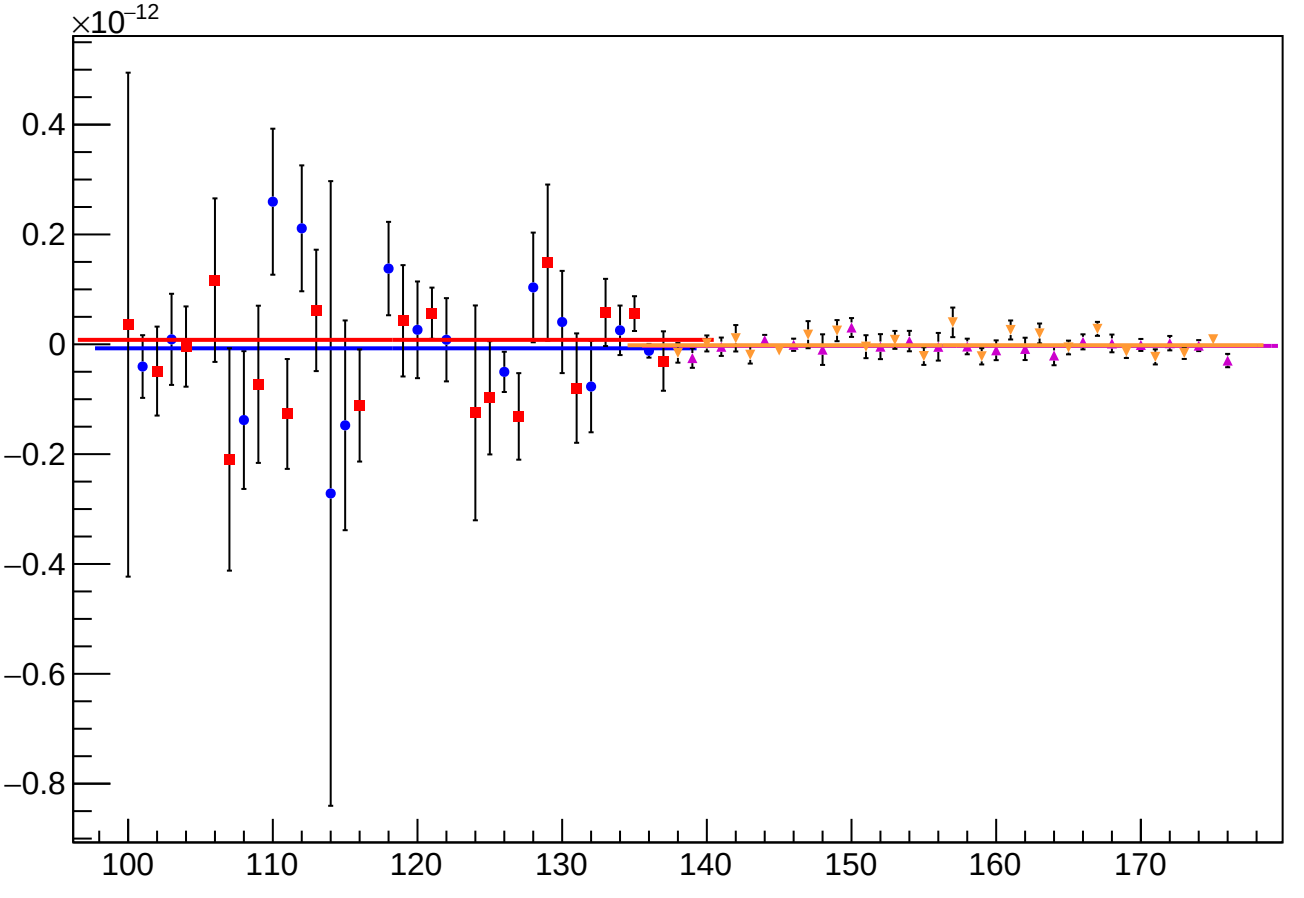
Left: 345.778+/-0.045 χ^2/NDF: 2533592.1/38

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 376.795+/-0.060 χ^2/NDF:5565402.9/34

Out: 383.561+/-0.061 χ^2/NDF:6349299.0/38

All: 380.138+/-0.043 χ^2/NDF: 11921016.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/18

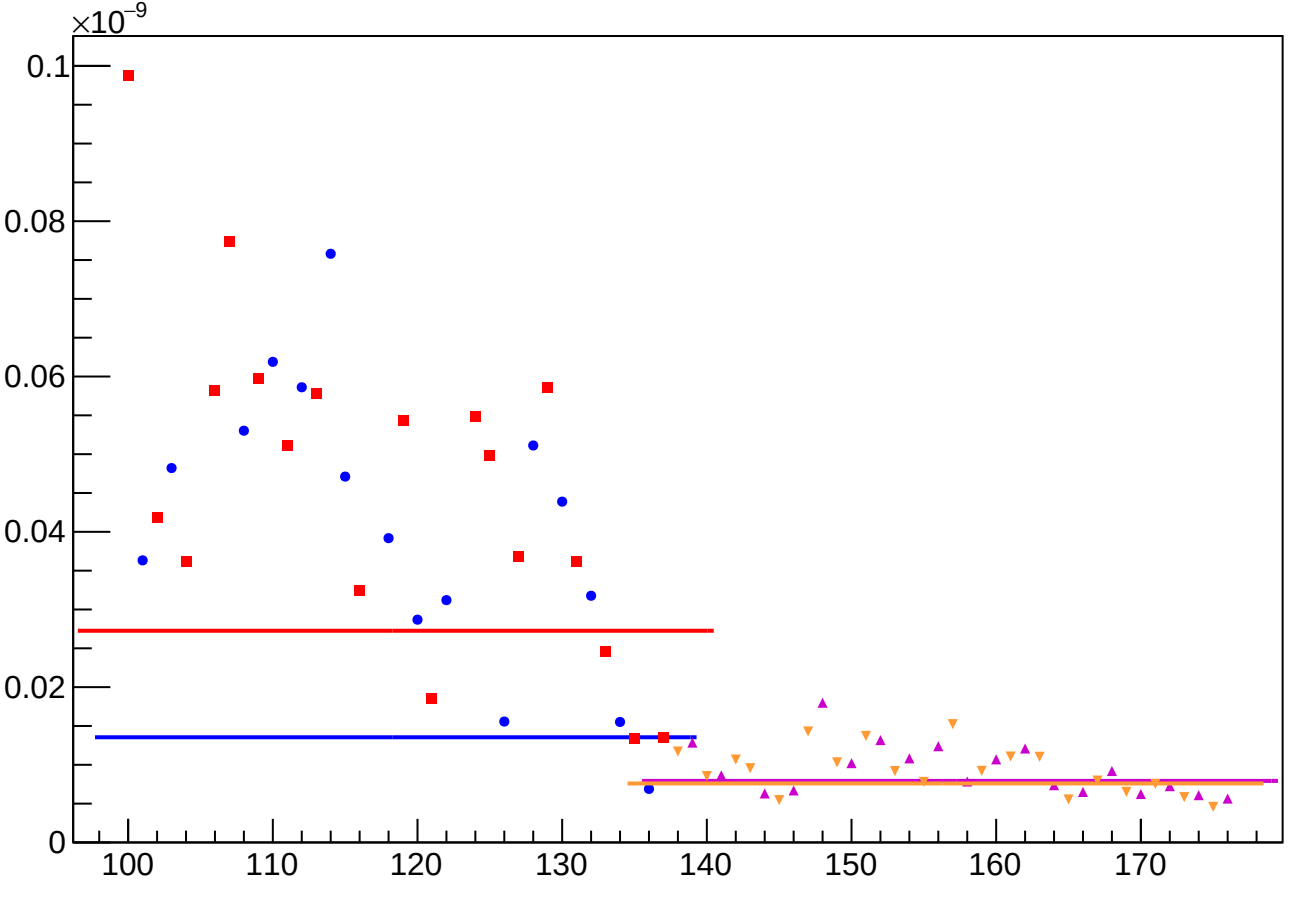
Left: -0.000+/-0.000 χ^2/NDF: 41.8/38

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:30.7/34

Out: -0.000+/-0.000 χ^2/NDF:45.7/38

All: -0.000+/-0.000 χ^2/NDF: 76.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1424814.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1107490.2/18

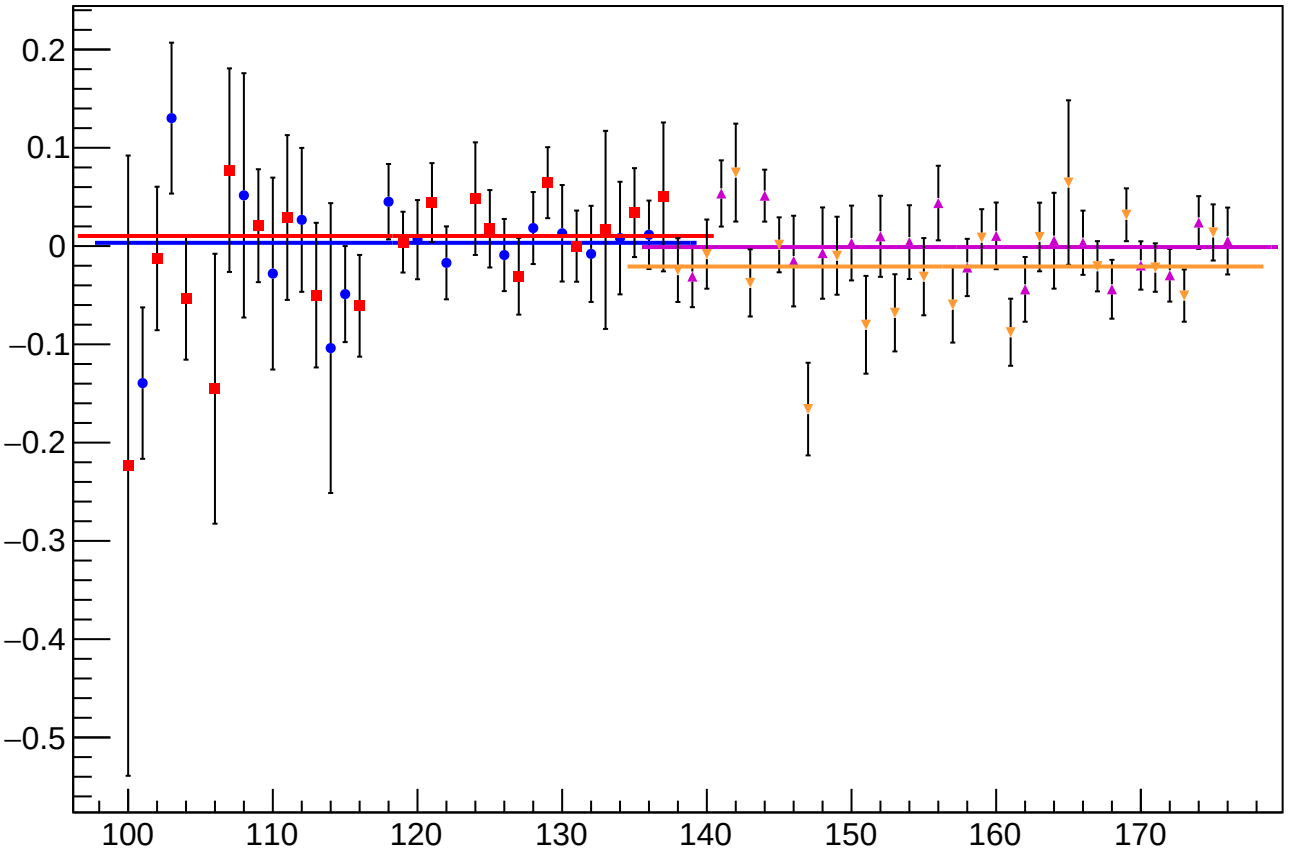
Left: 0.000+/-0.000 χ^2/NDF: 2542819.5/38

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4676815.2/34

Out: 0.000+/-0.000 χ^2/NDF:5658910.0/38

All: 0.000+/-0.000 χ^2/NDF: 10341185.4/73



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.0/38

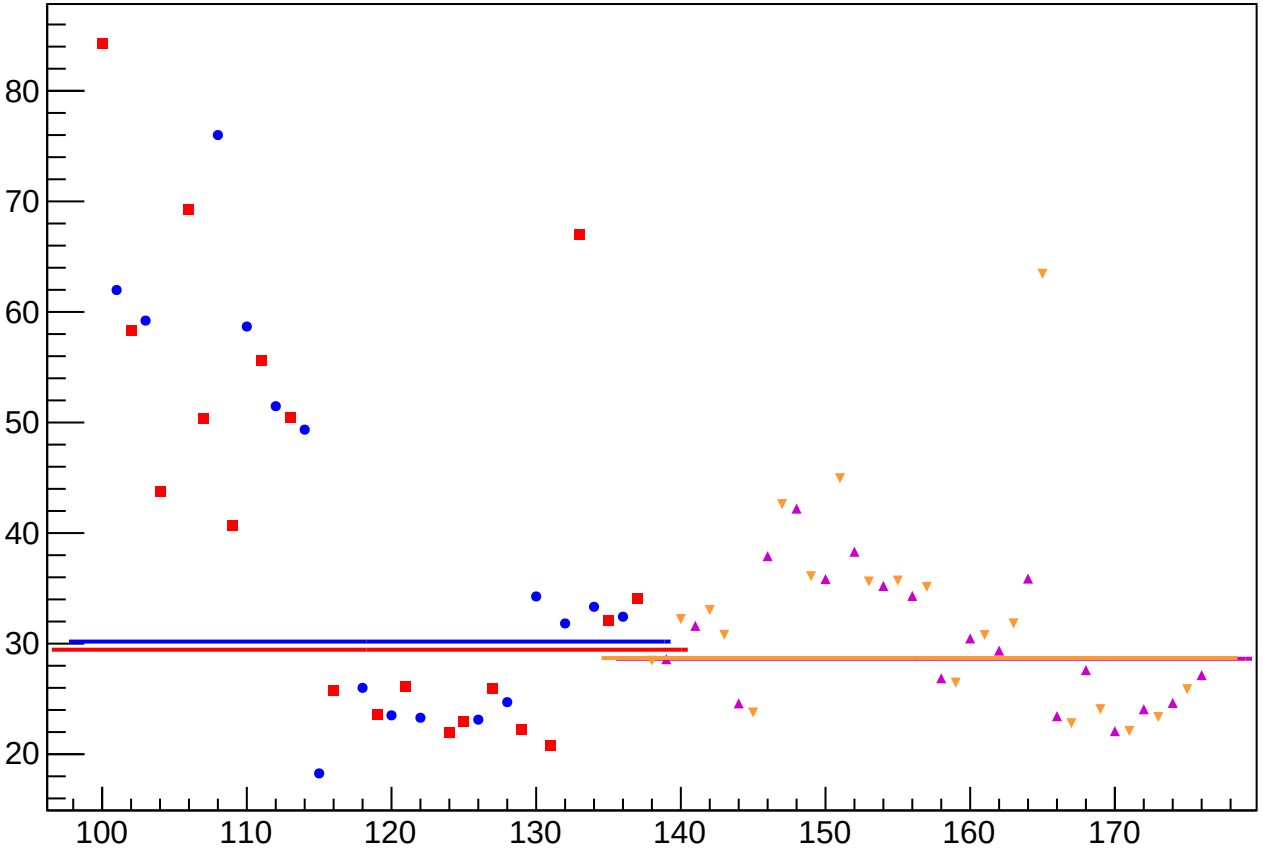
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.004 χ^2/NDF: 75.7/73

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

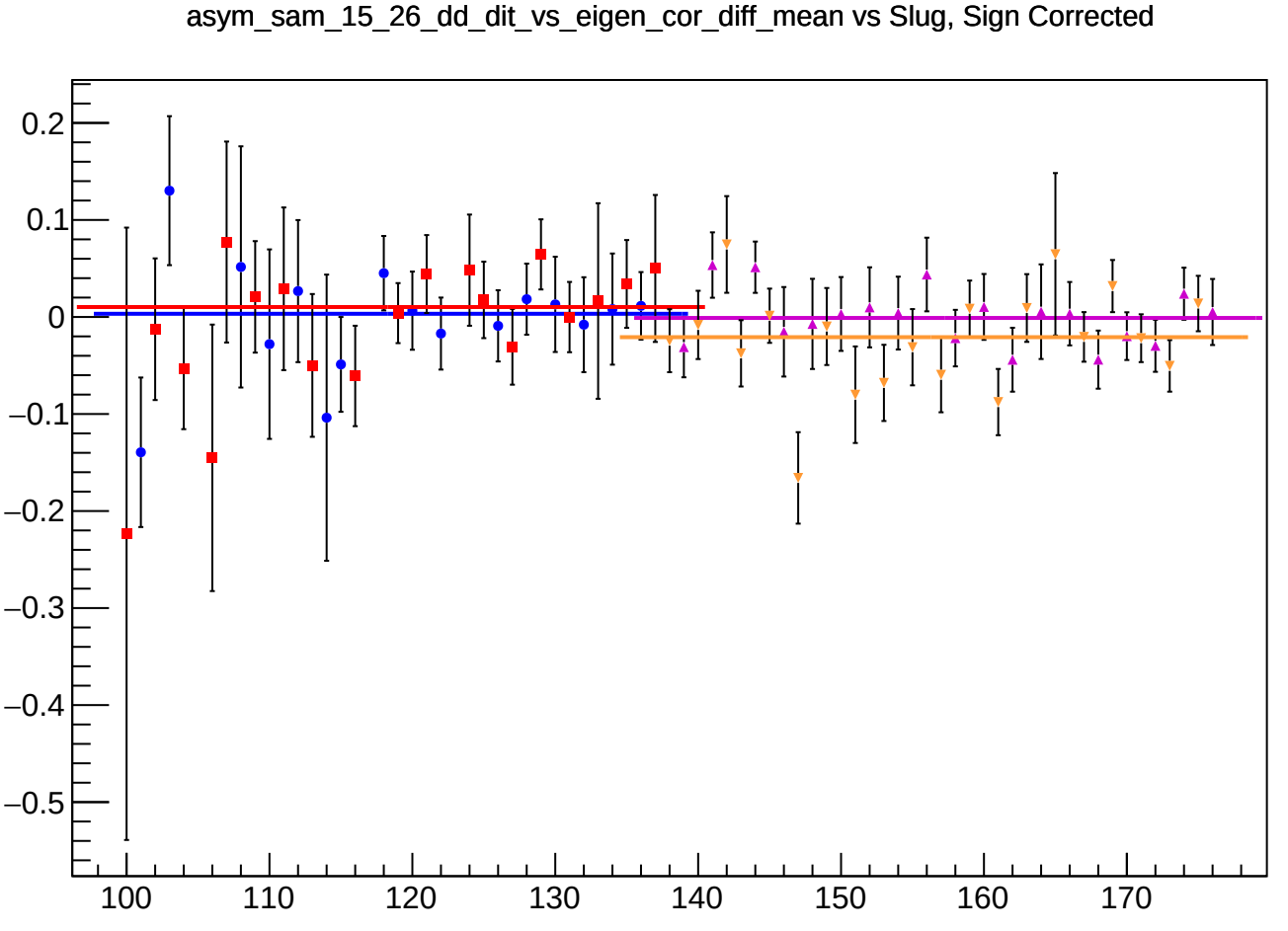
Left: 28.668+/-0.004 χ^2/NDF: 2494574.1/38

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.055+/-0.005 χ^2/NDF:2672132.6/34

Out: 28.916+/-0.004 χ^2/NDF:3387424.7/38

All: 28.985+/-0.003 χ^2/NDF: 6060035.2/73



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.0/38

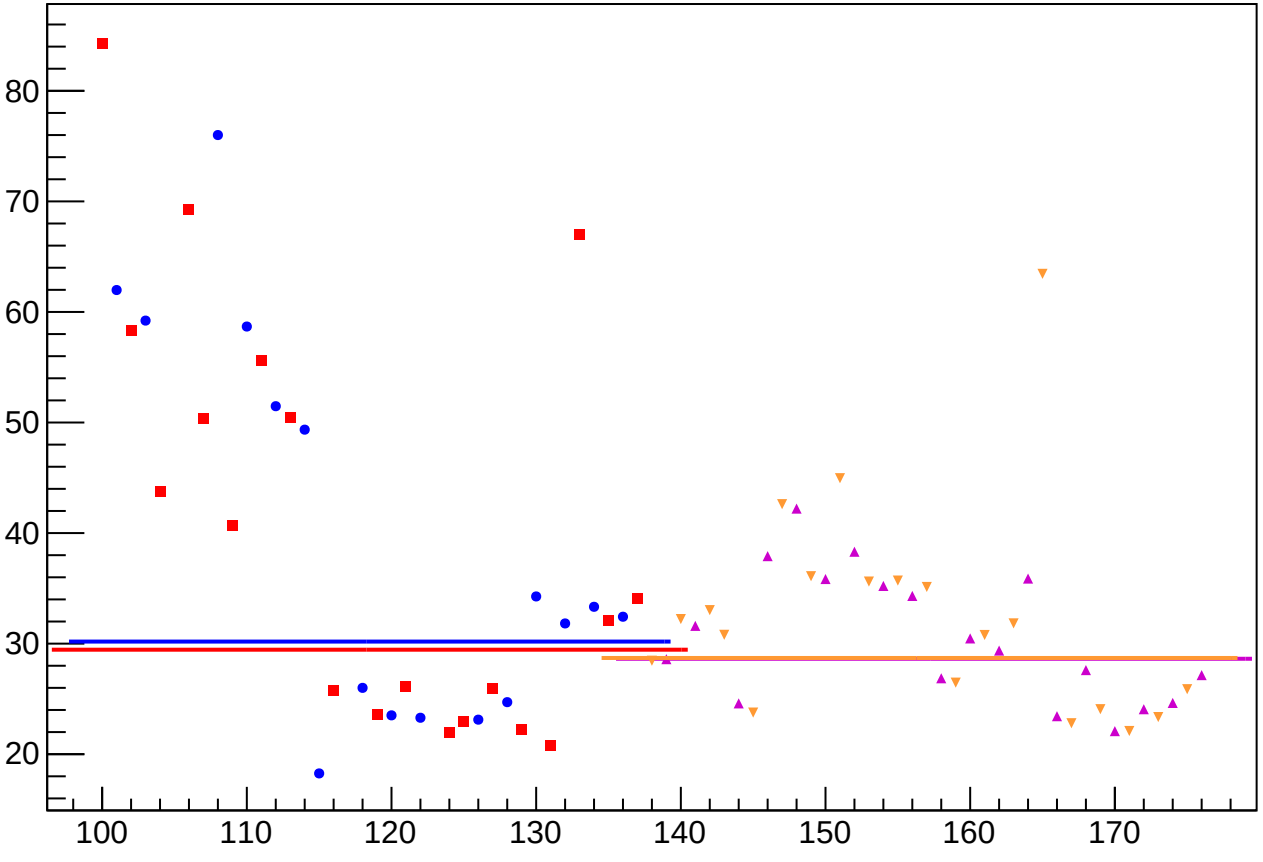
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.004 χ^2/NDF: 75.7/73

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533051.3/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

Left: 28.668+/-0.004 χ^2/NDF: 2494574.1/38

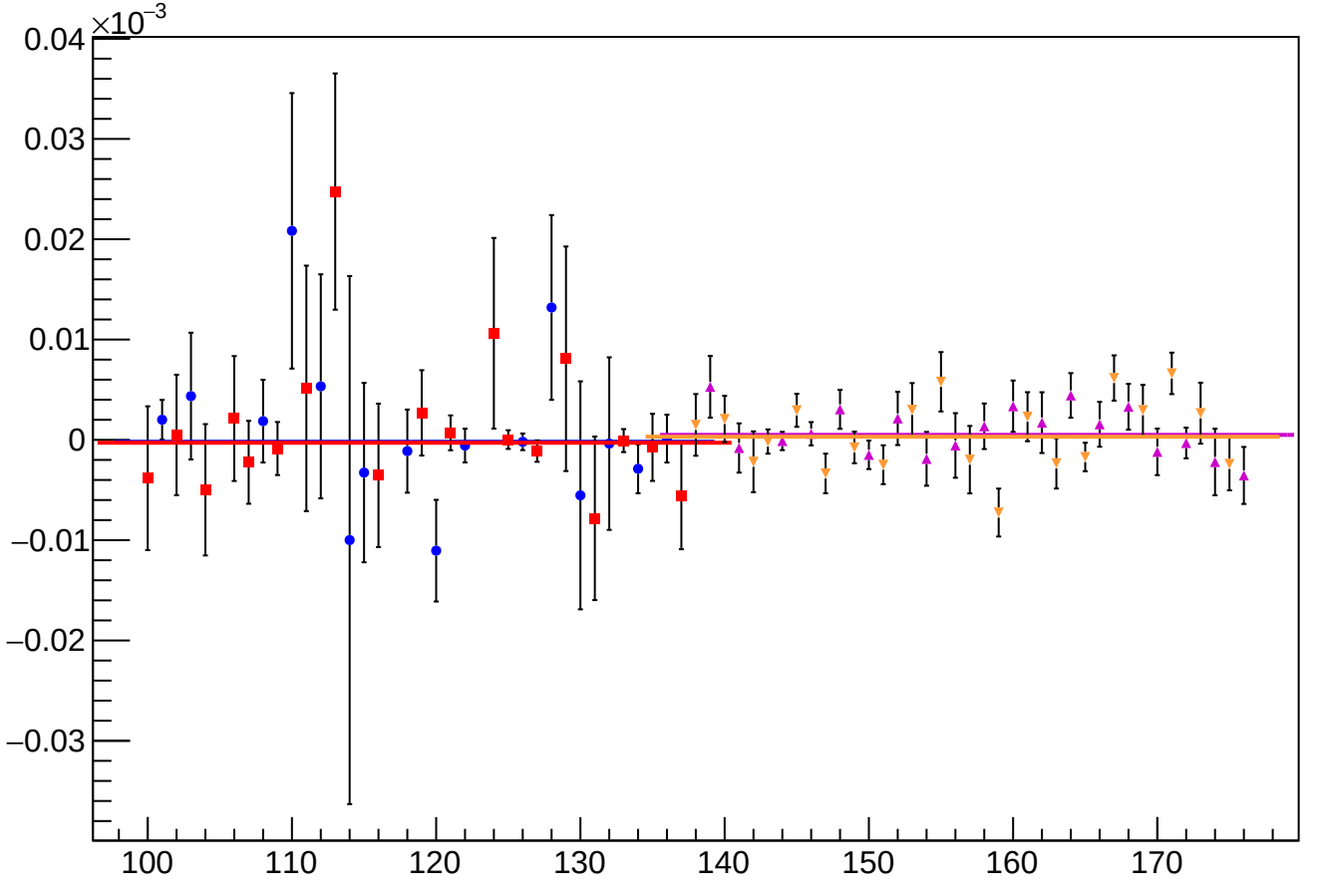
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.055+/-0.005 χ^2/NDF:2672132.6/34

Out: 28.916+/-0.004 χ^2/NDF:3387424.7/38

All: 28.985+/-0.003 χ^2/NDF: 6060035.2/73

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:47.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/18

Left: 0.000+/-0.000 χ^2/NDF: 65.8/38

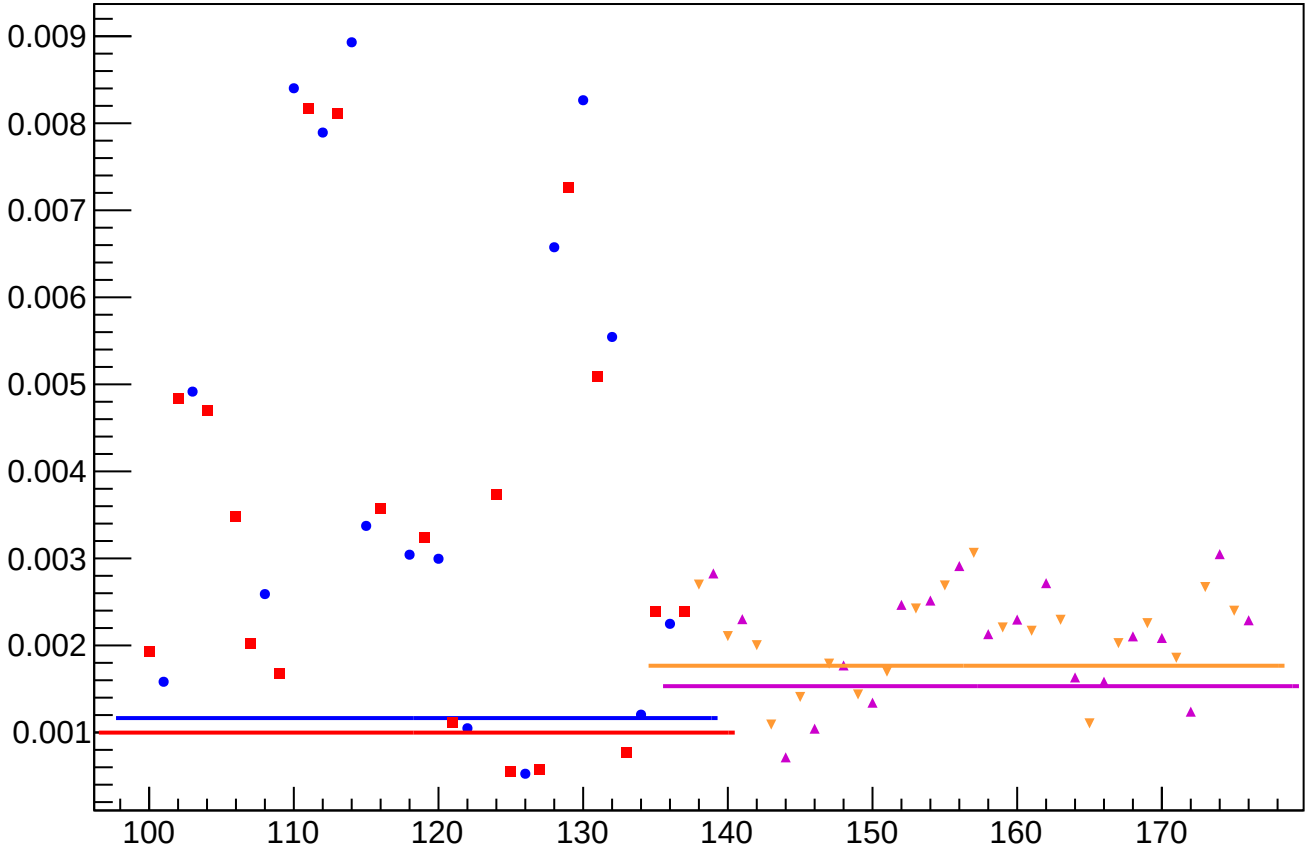
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:32.0/34

Out: 0.000+/-0.000 χ^2/NDF:59.8/38

All: 0.000+/-0.000 χ^2/NDF: 92.0/73

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2703409.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4968728.6/18

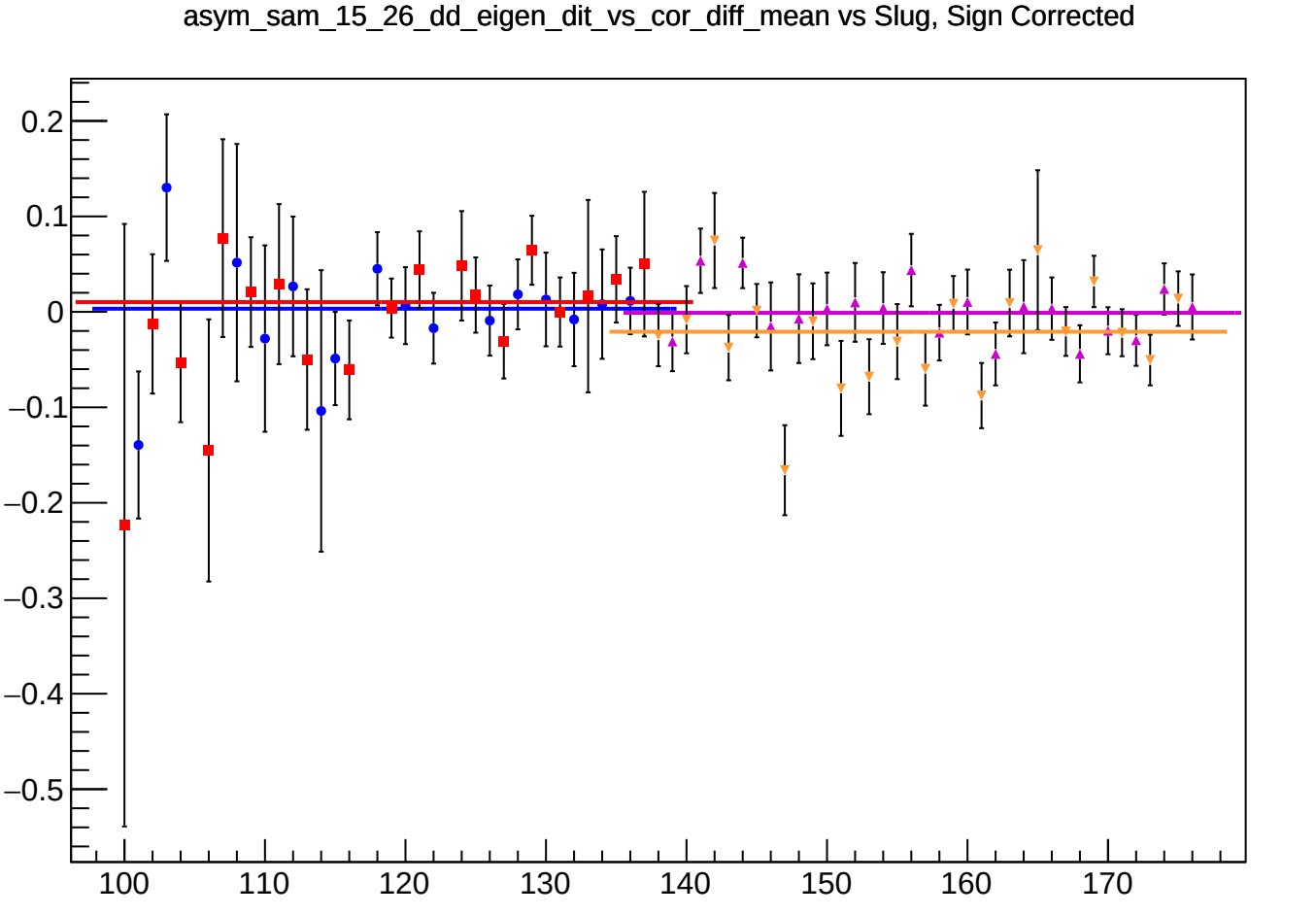
Left: 0.002+/-0.000 χ^2/NDF: 7940782.6/38

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:12323398.7/34

Out: 0.001+/-0.000 χ^2/NDF:12040426.2/38

All: 0.001+/-0.000 χ^2/NDF: 24365787.9/73



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.0/38

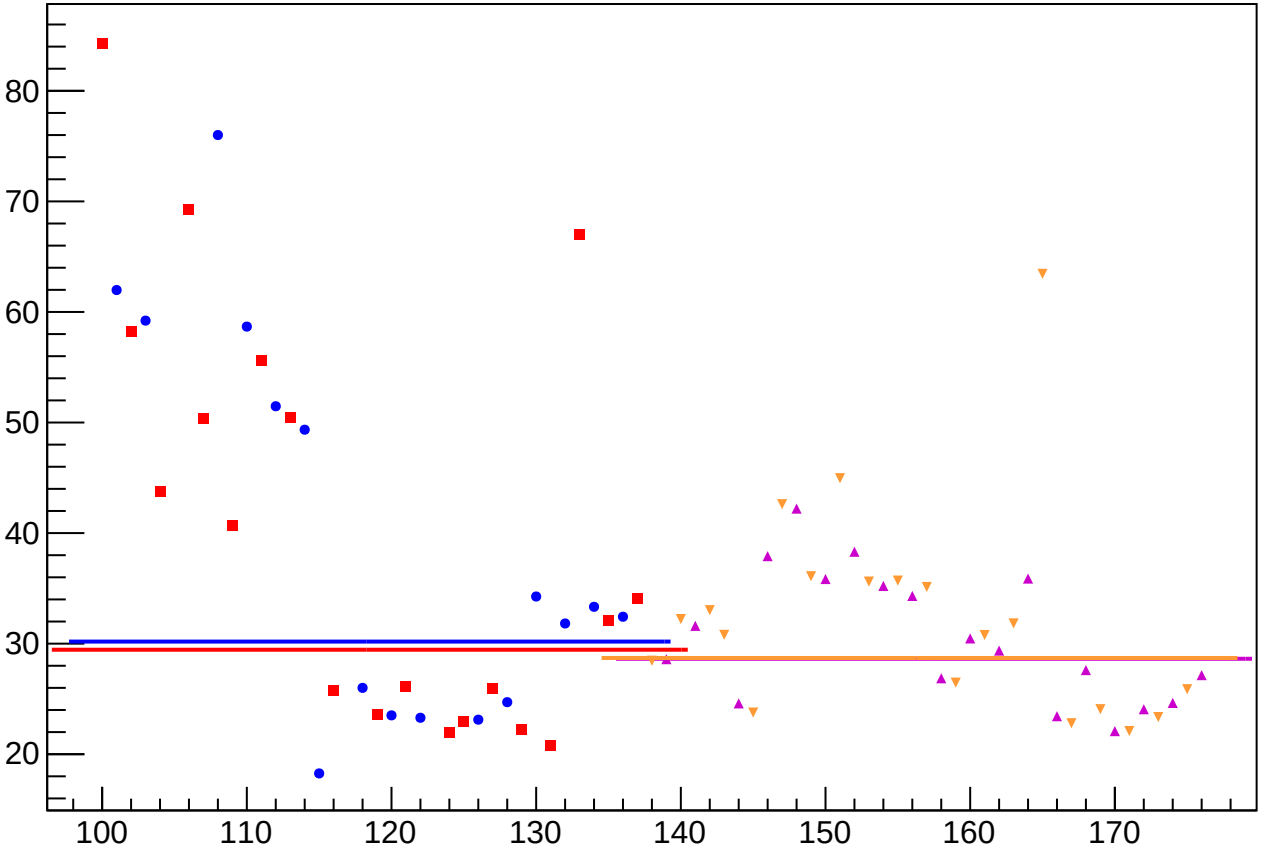
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.004 χ^2/NDF: 75.7/73

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

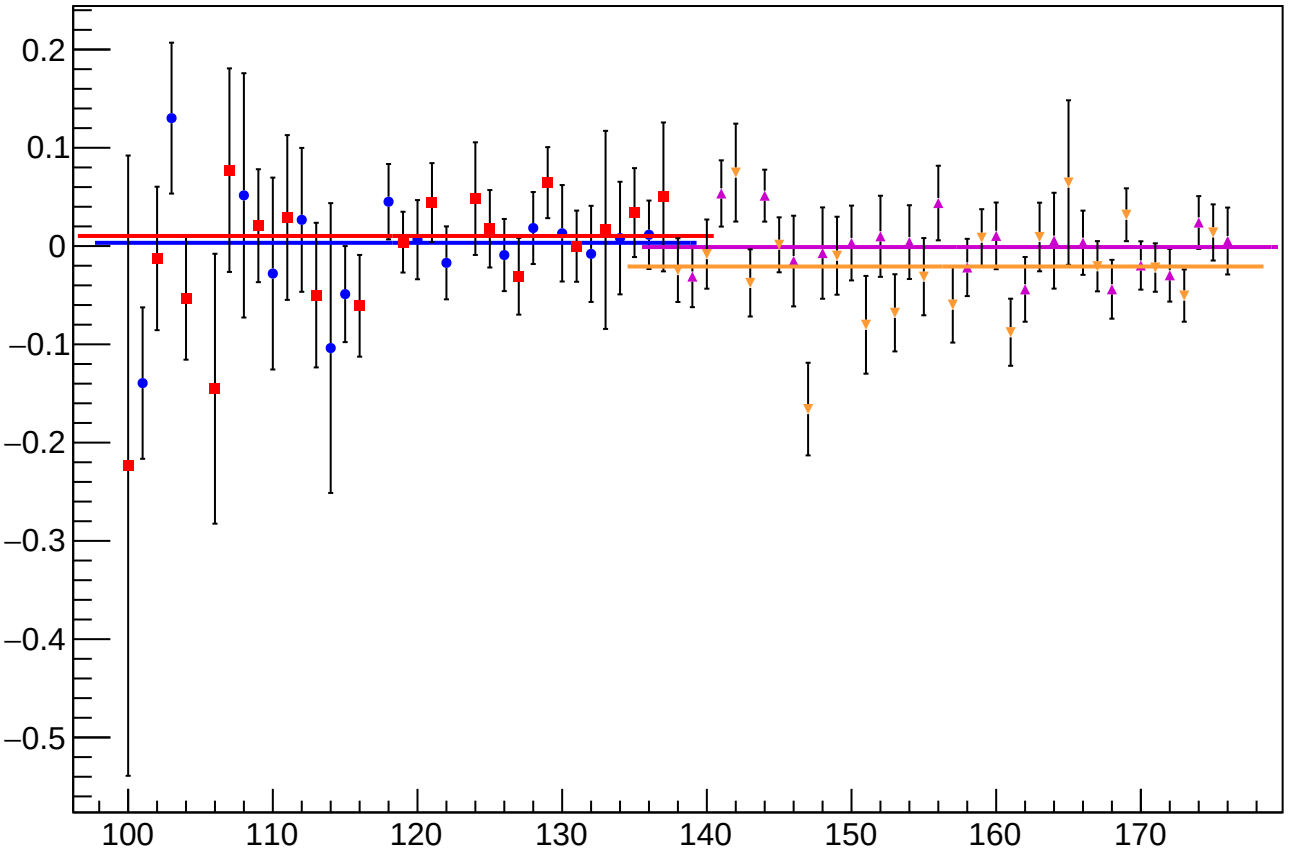
Left: 28.668+/-0.004 χ^2/NDF: 2494528.2/38

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.056+/-0.005 χ^2/NDF:2671907.9/34

Out: 28.916+/-0.004 χ^2/NDF:3387398.0/38

All: 28.985+/-0.003 χ^2/NDF: 6059785.4/73



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:31.4/19

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.0/38

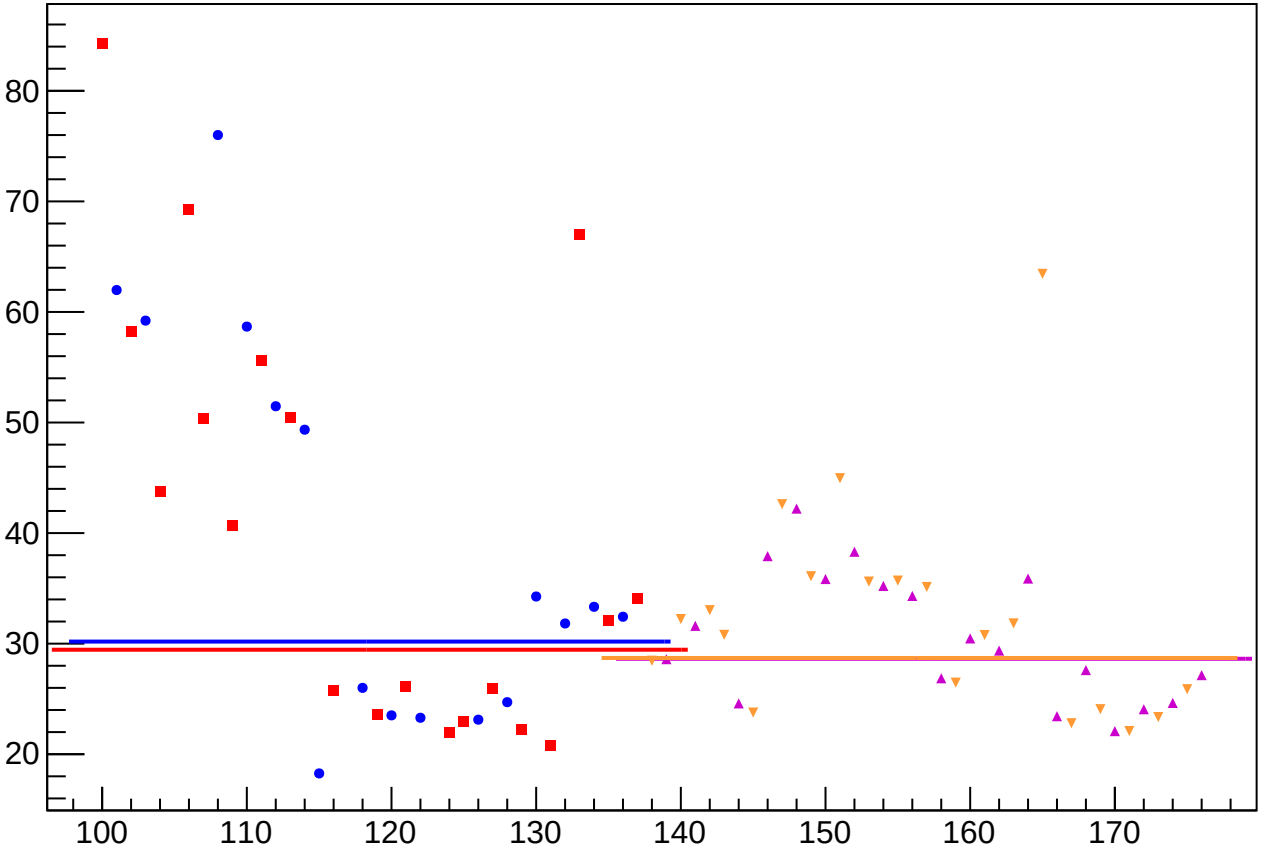
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.012+/-0.006 χ^2/NDF:47.5/38

All: -0.006+/-0.004 χ^2/NDF: 75.7/73

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.703+/-0.005 χ^2/NDF:1533039.6/19

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

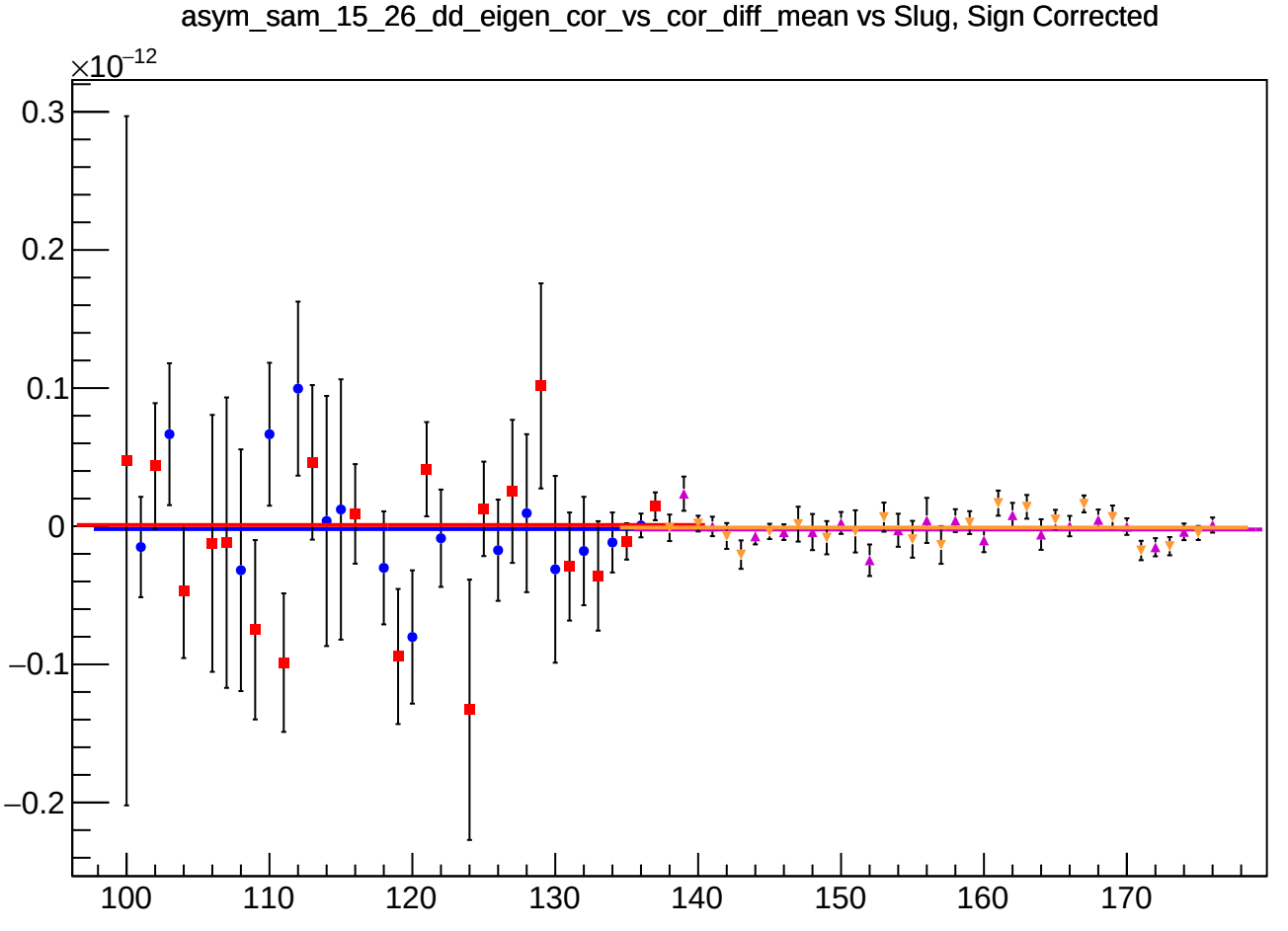
Left: 28.668+/-0.004 χ^2/NDF: 2494528.2/38

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.056+/-0.005 χ^2/NDF:2671907.9/34

Out: 28.916+/-0.004 χ^2/NDF:3387398.0/38

All: 28.985+/-0.003 χ^2/NDF: 6059785.4/73



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/18

Left: -0.000+/-0.000 χ^2/NDF: 51.6/38

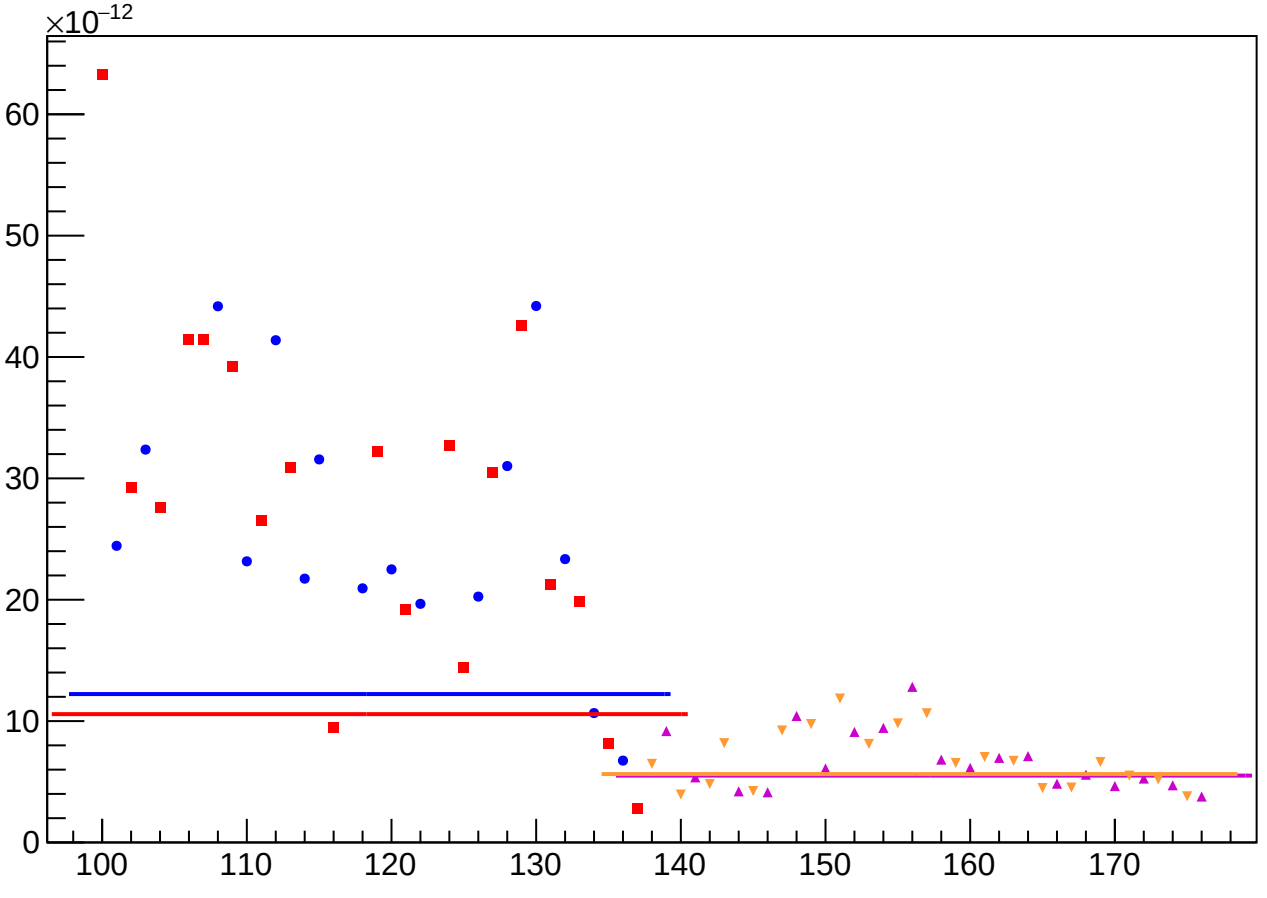
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:28.3/34

Out: -0.000+/-0.000 χ^2/NDF:54.9/38

All: -0.000+/-0.000 χ^2/NDF: 83.6/73

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:2280076.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1953078.7/18

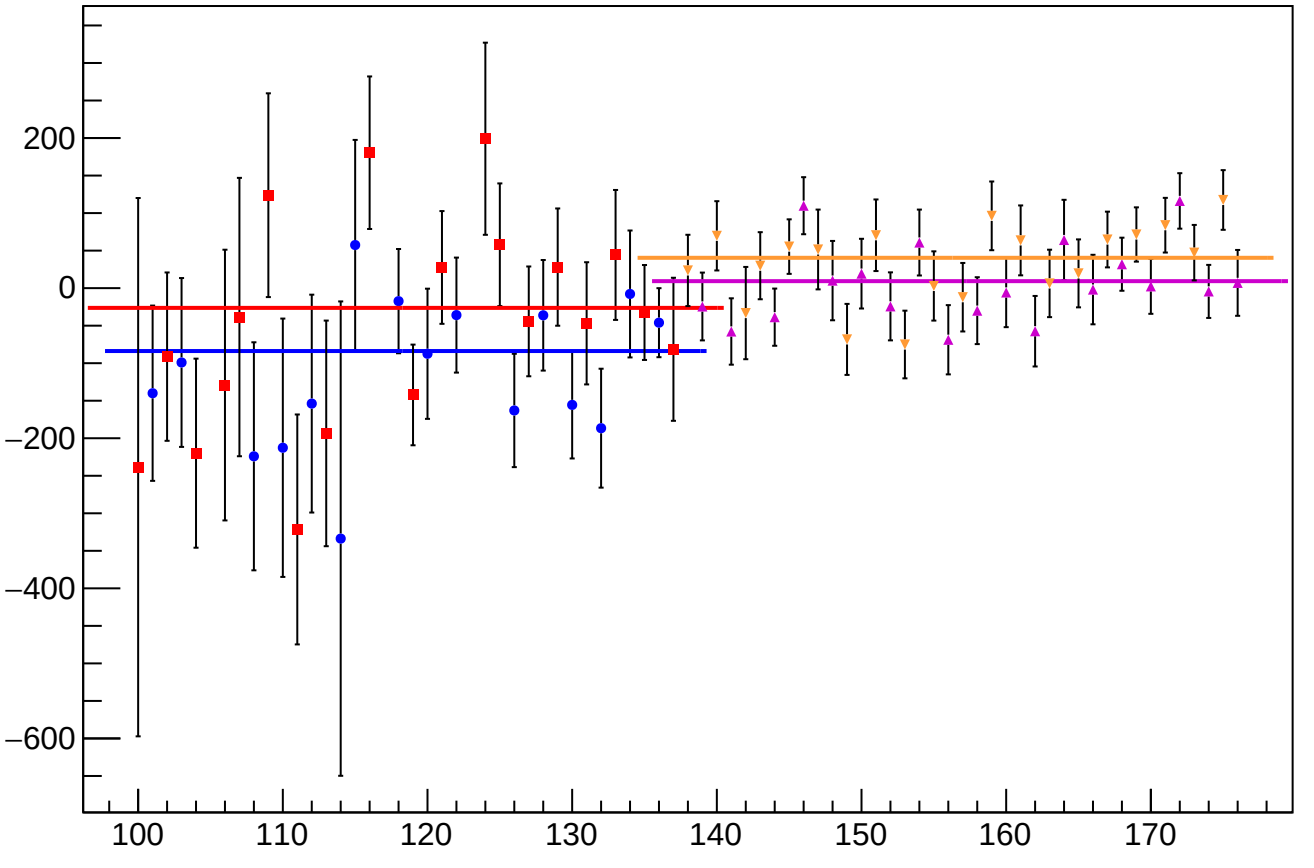
Left: 0.000+/-0.000 χ^2/NDF: 4238329.5/38

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:7211645.5/34

Out: 0.000+/-0.000 χ^2/NDF:8076145.4/38

All: 0.000+/-0.000 χ^2/NDF: 15288305.5/73



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.424+/-9.692 χ^2/NDF:25.4/19

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 9.316+/-9.750 χ^2/NDF:29.2/18

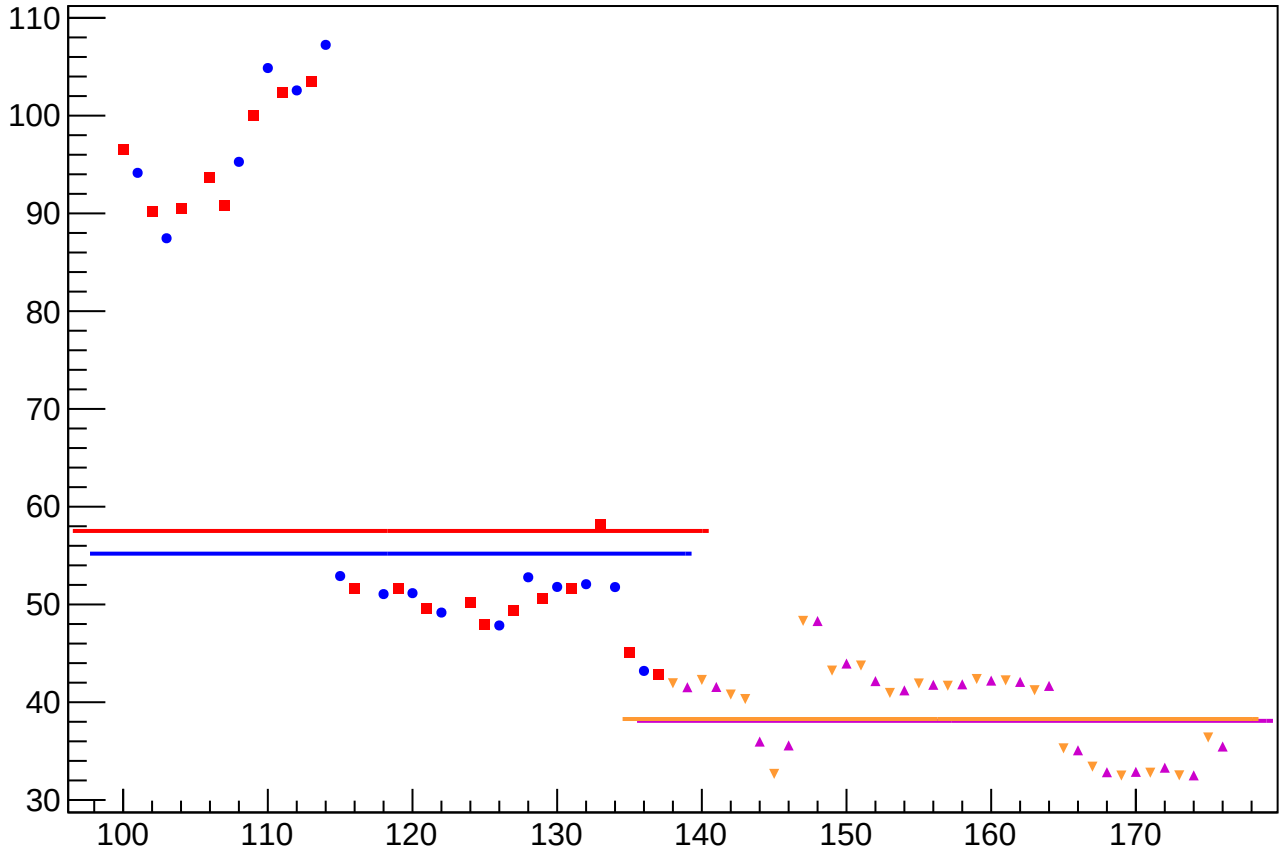
Left: 24.964+/-6.874 χ^2/NDF: 59.7/38

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -6.650+/-8.875 χ^2/NDF:55.4/34

Out: 29.635+/-8.873 χ^2/NDF:56.0/38

All: 11.496+/-6.275 χ^2/NDF: 119.8/73



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.1/18

Left: 38.190+/-0.005 χ^2/NDF: 885716.1/38

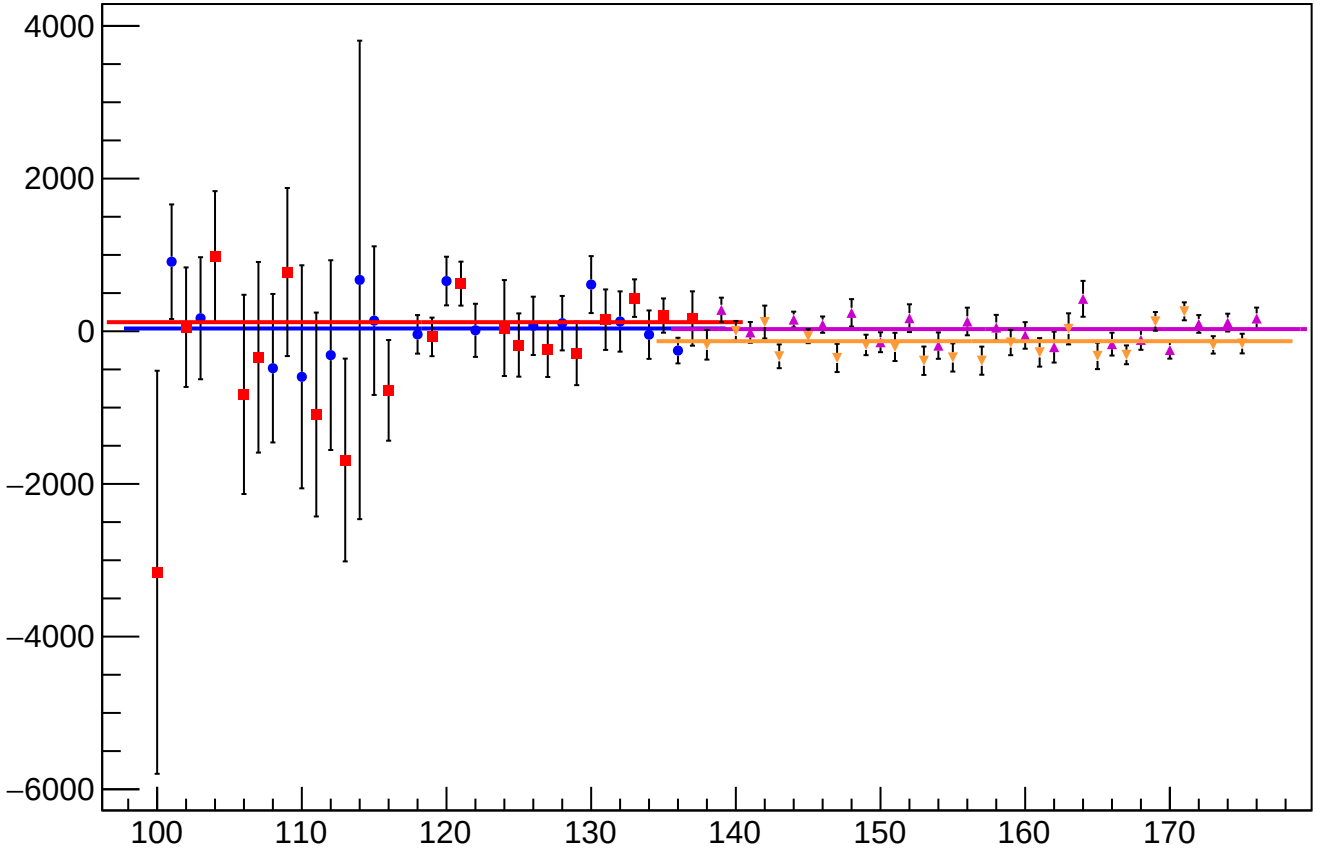
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.028+/-0.006 χ^2/NDF:2628792.7/34

Out: 41.394+/-0.006 χ^2/NDF:3019735.7/38

All: 41.211+/-0.004 χ^2/NDF: 5650231.2/73

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.018+/-32.725 χ^2/NDF:31.8/19

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 28.389+/-32.473 χ^2/NDF:25.0/18

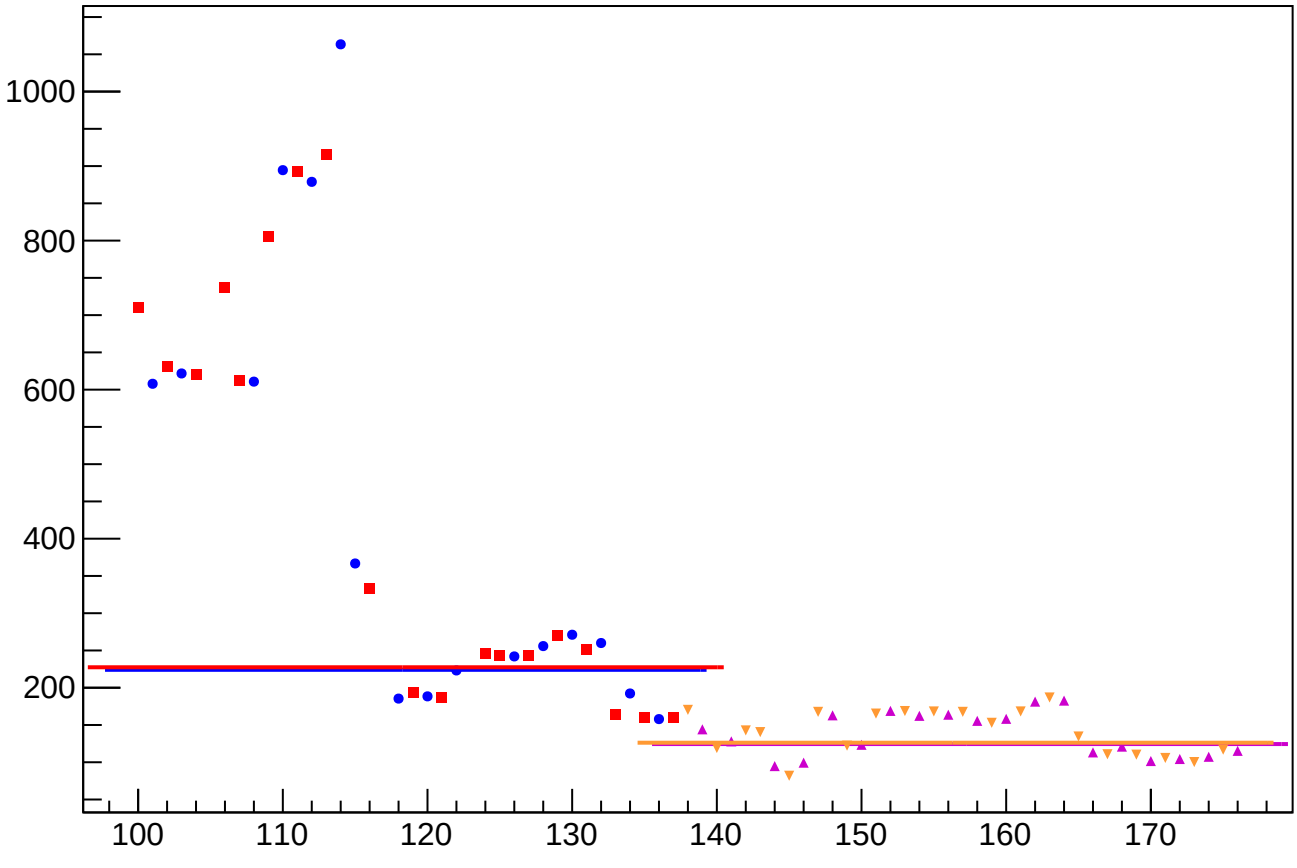
Left: -50.201+/-23.051 χ^2/NDF: 68.6/38

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -103.995+/-30.969 χ^2/NDF:53.9/38

All: -36.746+/-21.795 χ^2/NDF: 99.7/73



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681042.9/19

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 124.412+/-0.023 χ^2/NDF:1338698.4/18

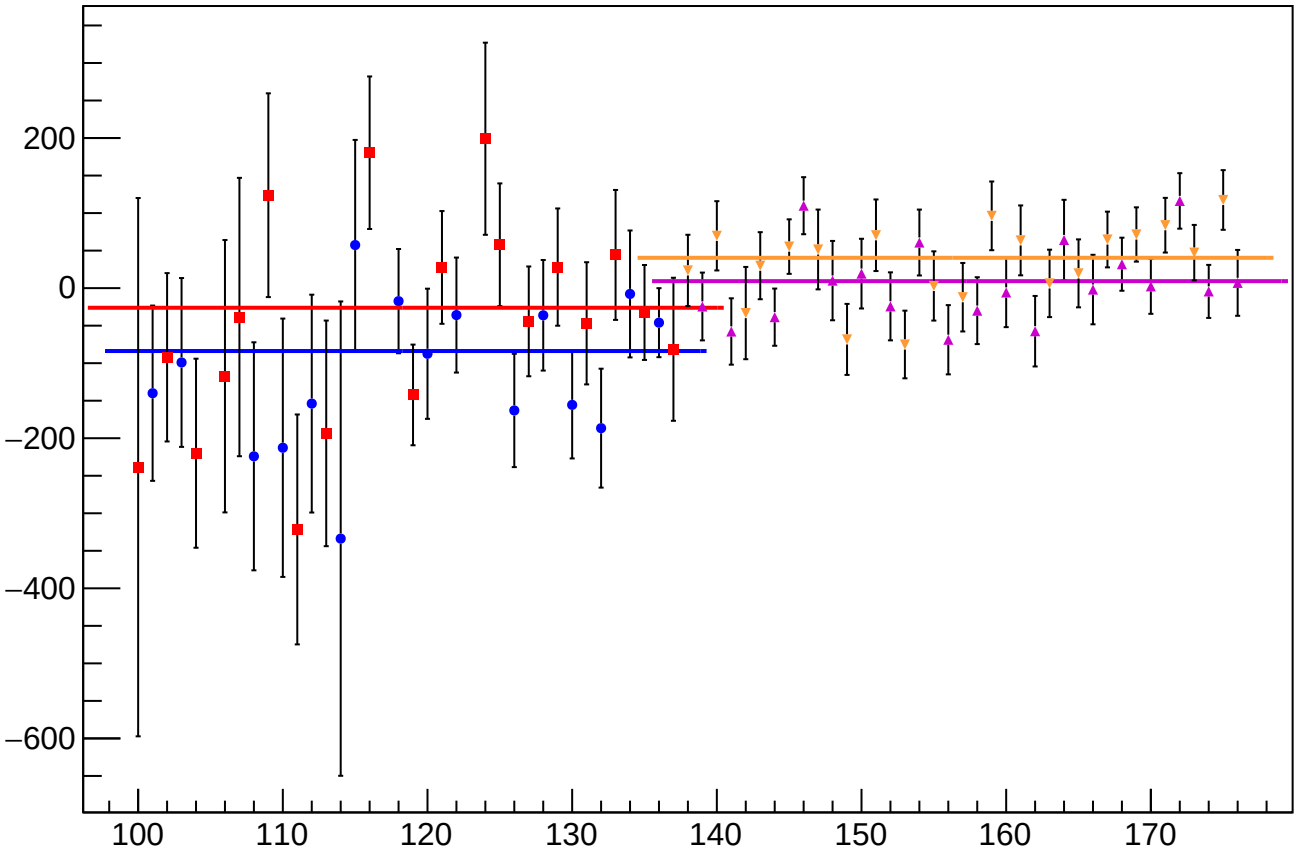
Left: 125.313+/-0.016 χ^2/NDF: 3022841.7/38

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.123+/-0.022 χ^2/NDF:6330718.0/34

Out: 136.798+/-0.022 χ^2/NDF:7319959.3/38

All: 135.953+/-0.015 χ^2/NDF: 13653630.9/73



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 40.425+/-9.692 χ^2/NDF:25.4/19

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.316+/-9.750 χ^2/NDF:29.2/18

Left: 24.965+/-6.874 χ^2/NDF: 59.7/38

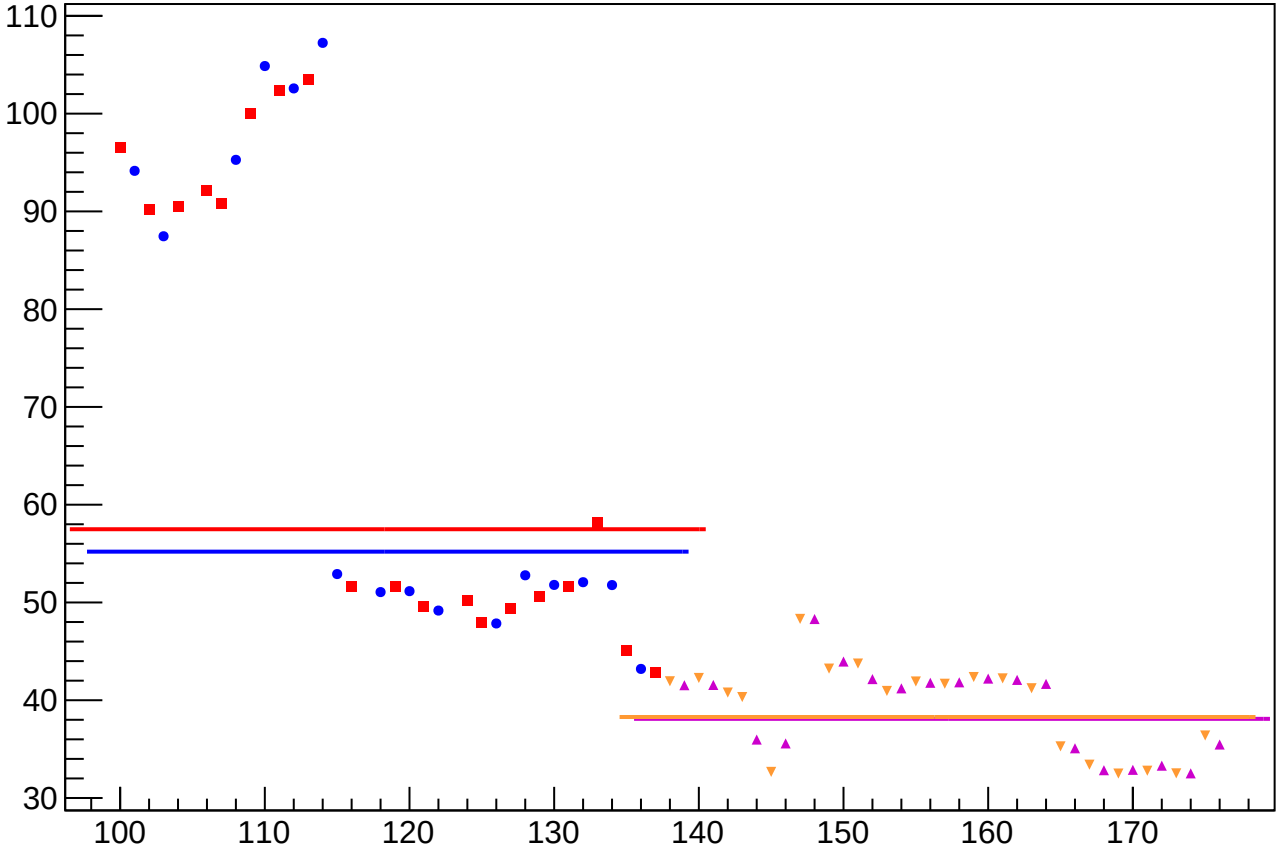
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.650+/-8.875 χ^2/NDF:55.4/34

Out: 29.663+/-8.874 χ^2/NDF:55.9/38

All: 11.510+/-6.275 χ^2/NDF: 119.7/73

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

Left: 38.190+/-0.005 χ^2/NDF: 885716.1/38

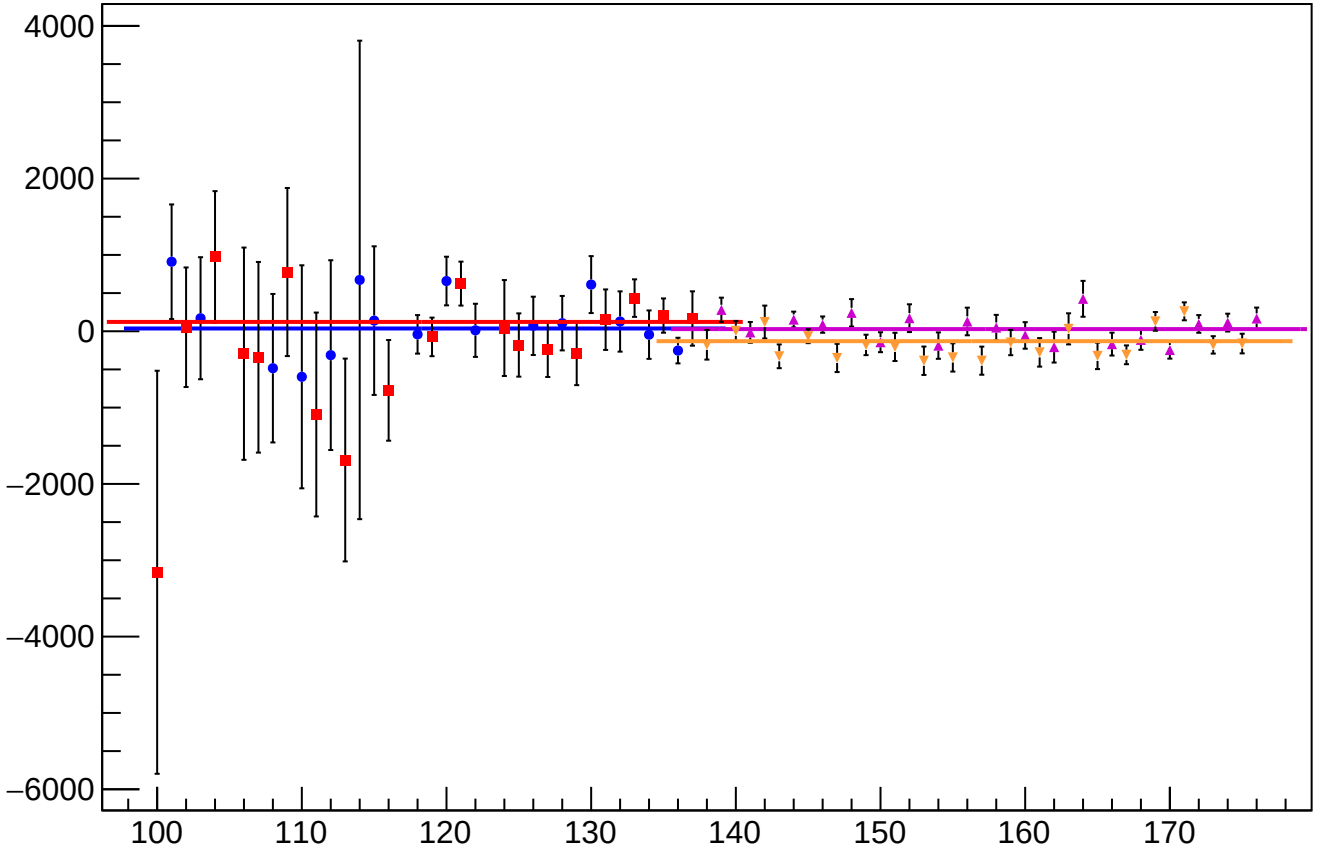
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.028+/-0.006 χ^2/NDF:2628792.9/34

Out: 41.389+/-0.006 χ^2/NDF:3008303.7/38

All: 41.209+/-0.004 χ^2/NDF: 5638751.6/73

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 28.390+/-32.473 χ^2/NDF:25.0/18

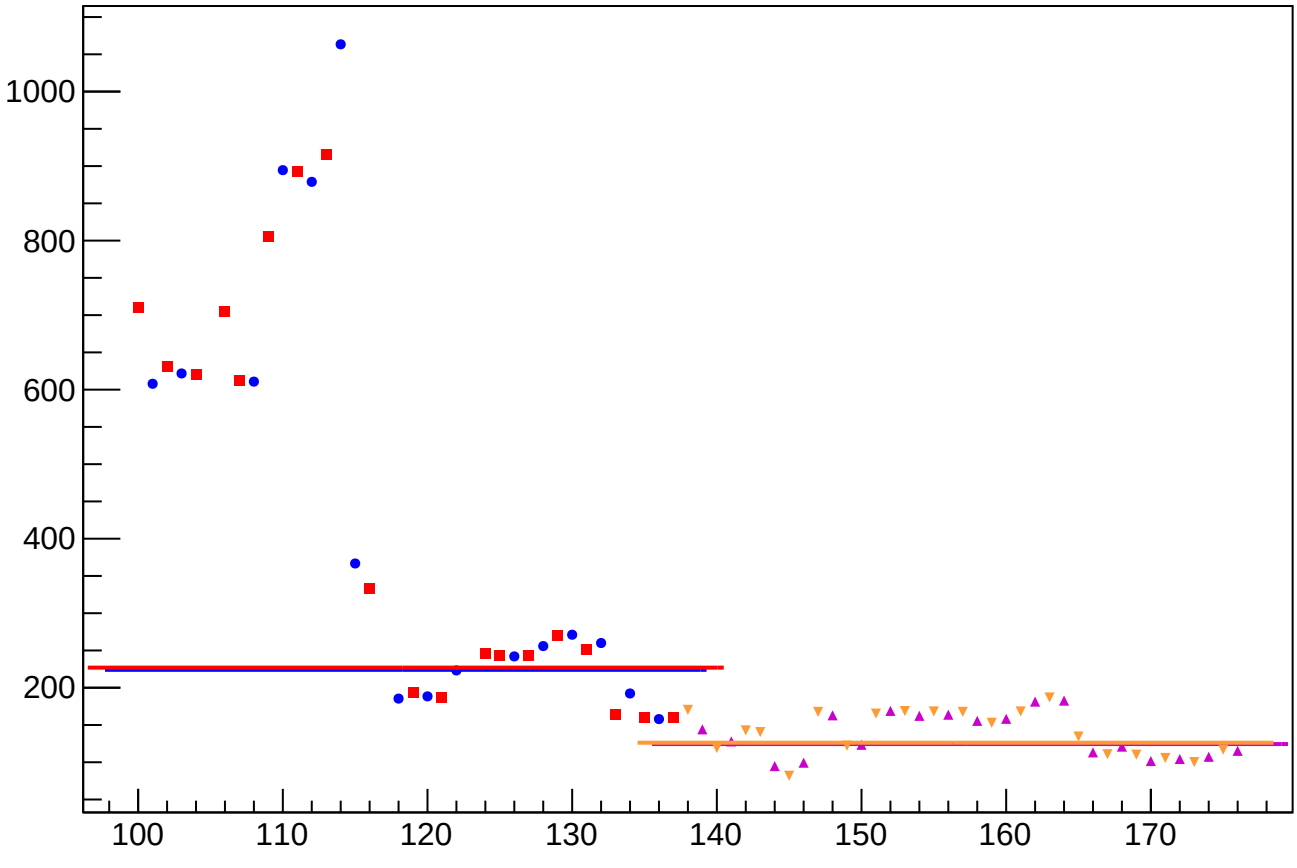
Left: -50.201+/-23.051 χ^2/NDF: 68.6/38

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -103.686+/-30.970 χ^2/NDF:53.6/38

All: -36.590+/-21.795 χ^2/NDF: 99.3/73



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

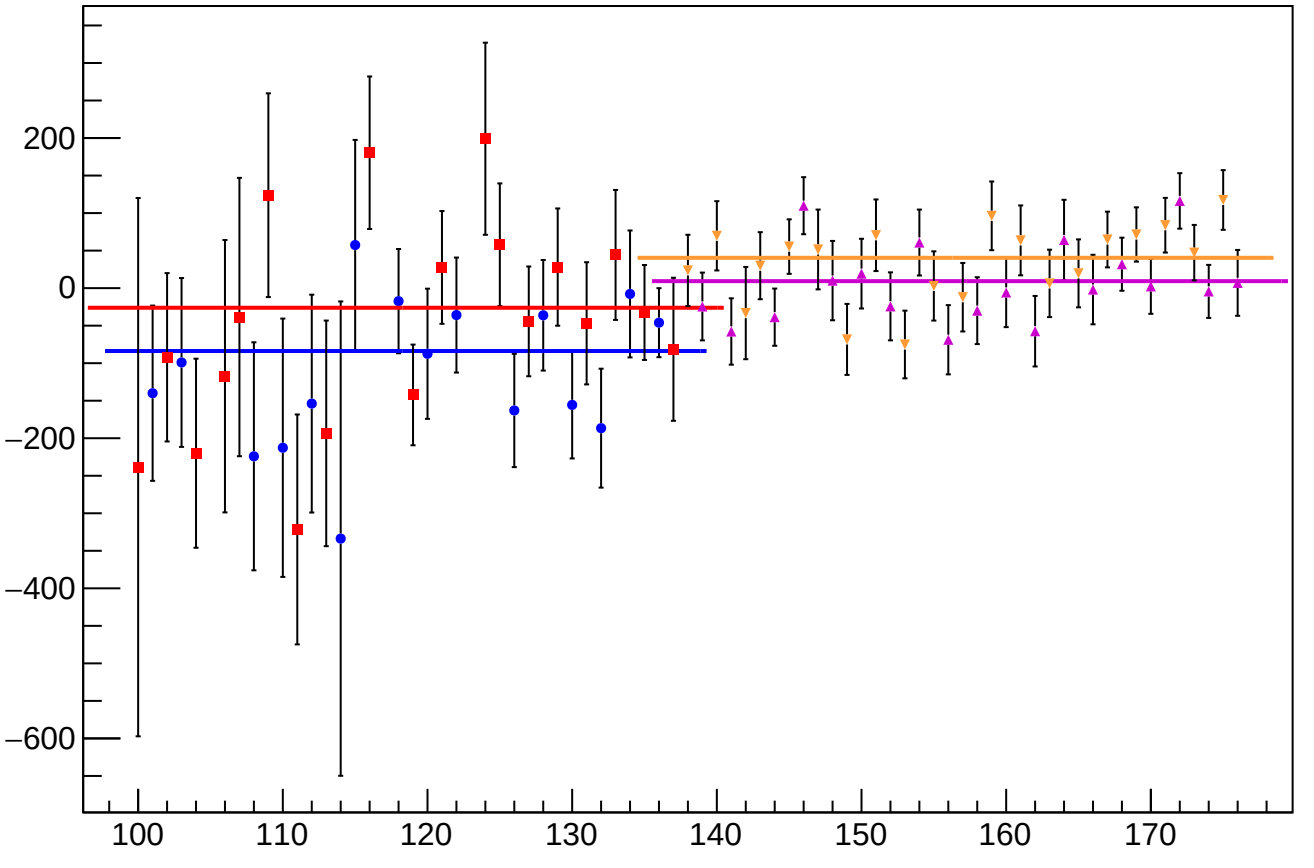
Left: 125.313+/-0.016 χ^2/NDF: 3022848.9/38

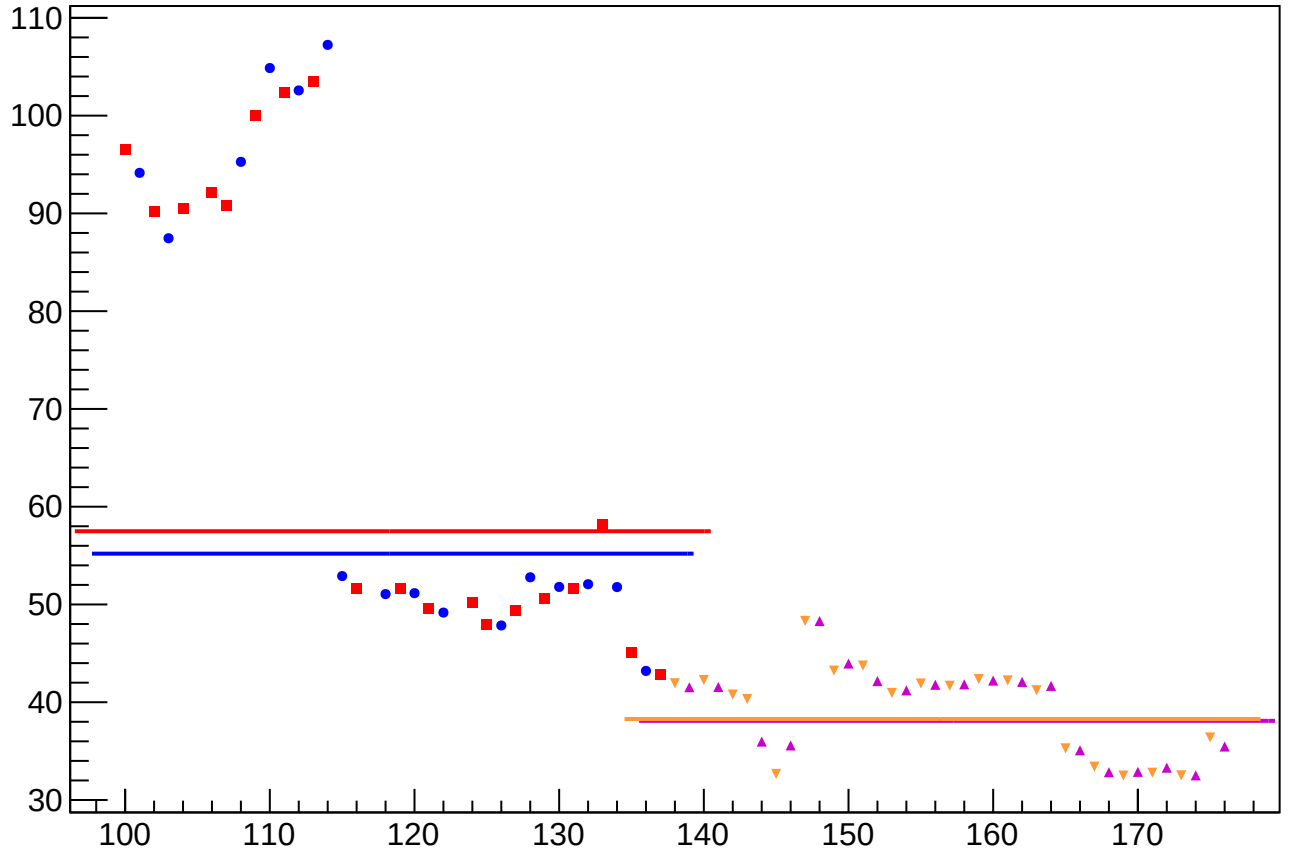
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.123+/-0.022 χ^2/NDF:6330737.2/34

Out: 136.742+/-0.022 χ^2/NDF:7231209.9/38

All: 135.925+/-0.015 χ^2/NDF: 13564705.9/73


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 40.425+/-9.692 χ²/NDF:25.4/19
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 9.316+/-9.750 χ²/NDF:29.2/18
Left: 24.965+/-6.874 χ²/NDF: 59.7/38
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -6.650+/-8.875 χ²/NDF:55.4/34
Out: 29.663+/-8.874 χ²/NDF:55.9/38
All: 11.510+/-6.275 χ²/NDF: 119.7/73



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.284+/-0.007 χ^2/NDF:464021.6/19

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

Left: 38.190+/-0.005 χ^2/NDF: 885716.1/38

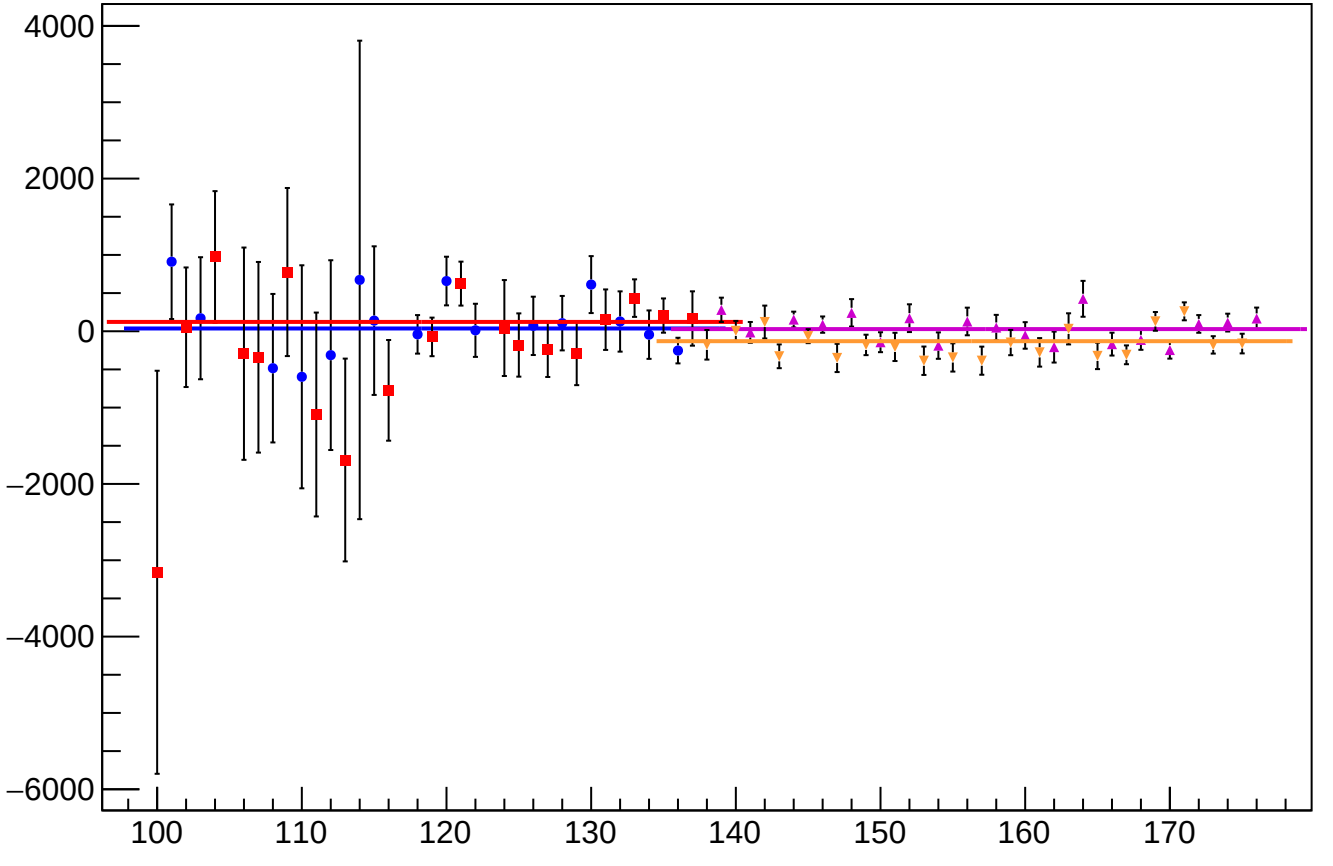
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.028+/-0.006 χ^2/NDF:2628792.9/34

Out: 41.389+/-0.006 χ^2/NDF:3008303.7/38

All: 41.209+/-0.004 χ^2/NDF: 5638751.6/73

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -130.019+/-32.725 χ^2/NDF:31.8/19

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 28.390+/-32.473 χ^2/NDF:25.0/18

Left: -50.201+/-23.051 χ^2/NDF: 68.6/38

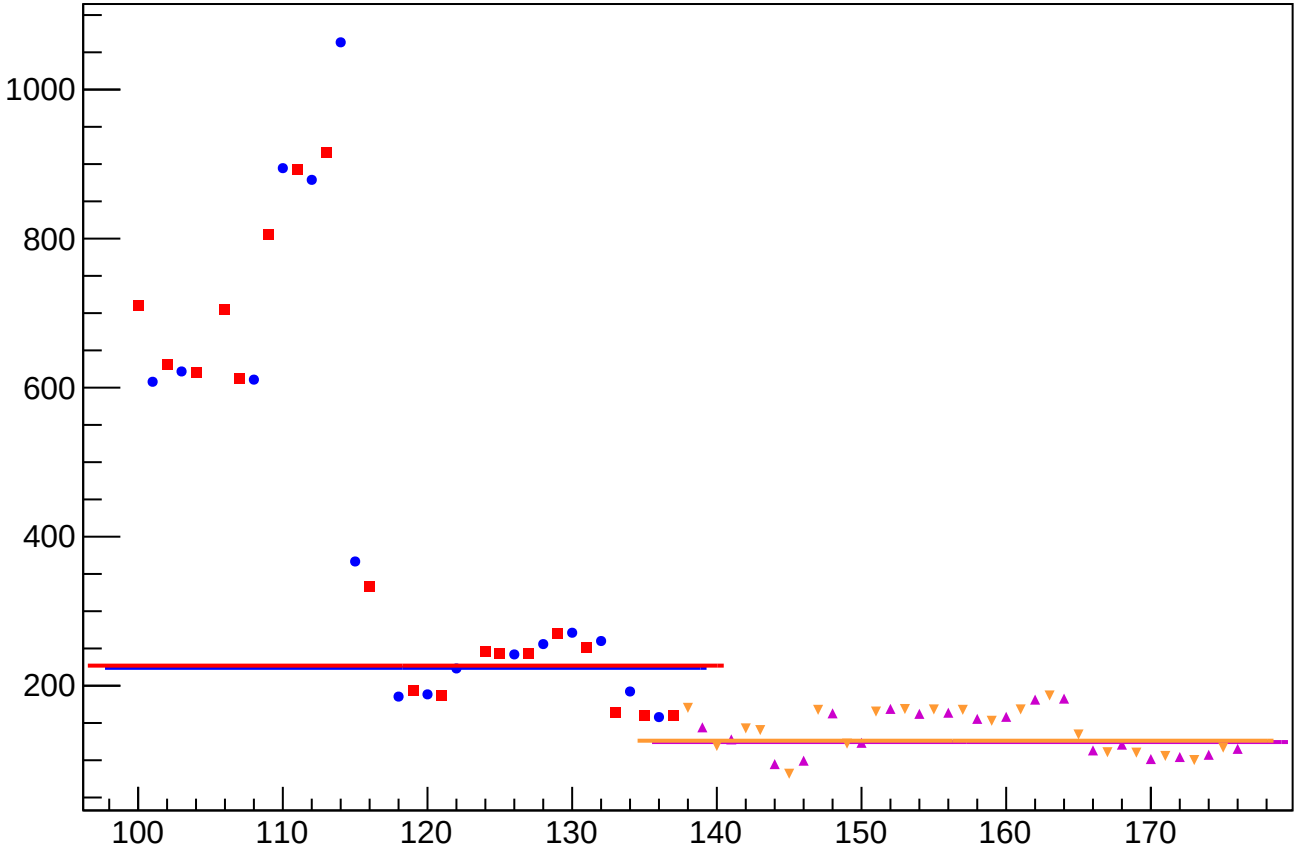
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -103.686+/-30.970 χ^2/NDF:53.6/38

All: -36.590+/-21.795 χ^2/NDF: 99.3/73

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.227+/-0.023 χ^2/NDF:1681041.6/19

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

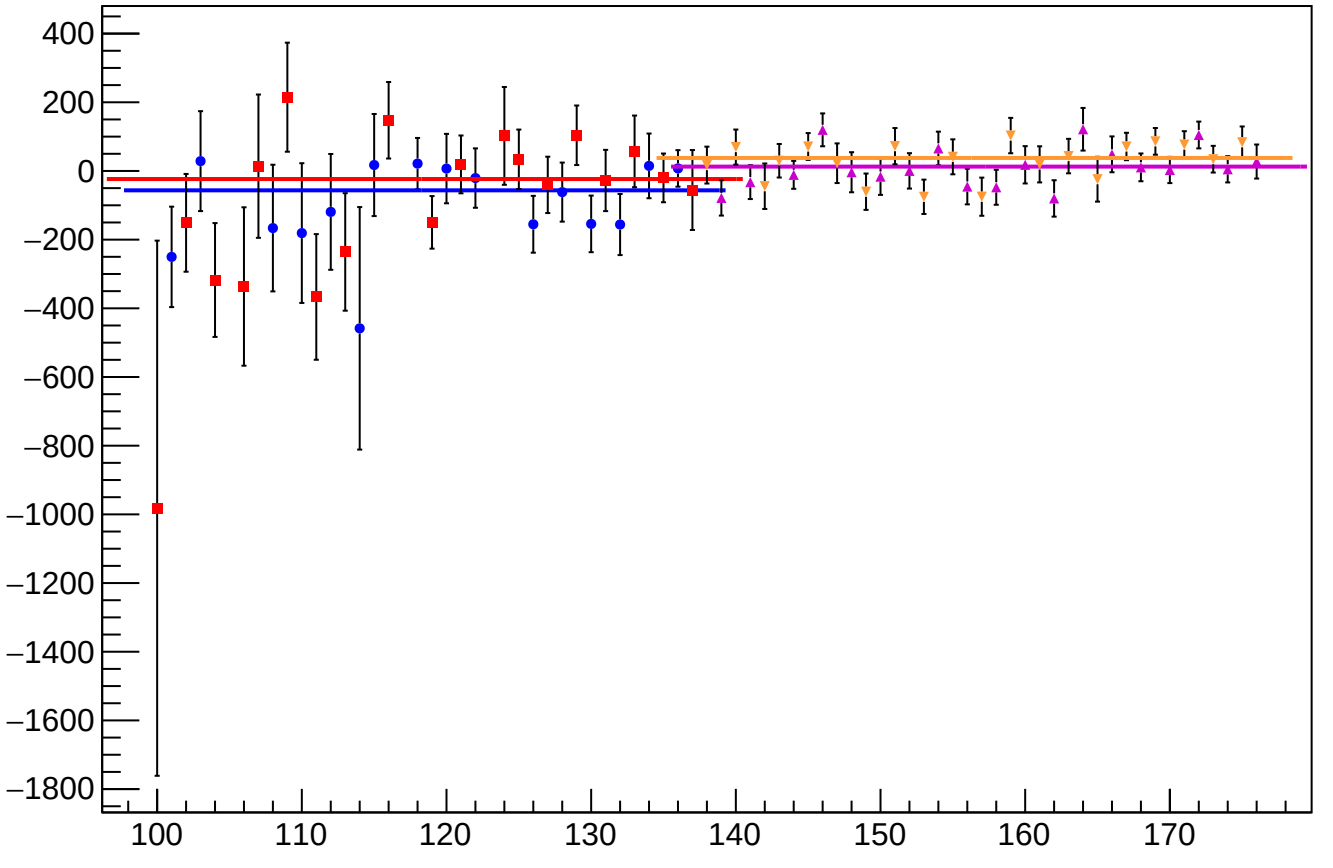
Left: 125.313+/-0.016 χ^2/NDF: 3022848.9/38

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.123+/-0.022 χ^2/NDF:6330737.2/34

Out: 136.742+/-0.022 χ^2/NDF:7231209.9/38

All: 135.925+/-0.015 χ^2/NDF: 13564705.9/73



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.873+/-10.775 χ^2/NDF:22.9/19

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.686+/-10.912 χ^2/NDF:26.0/18

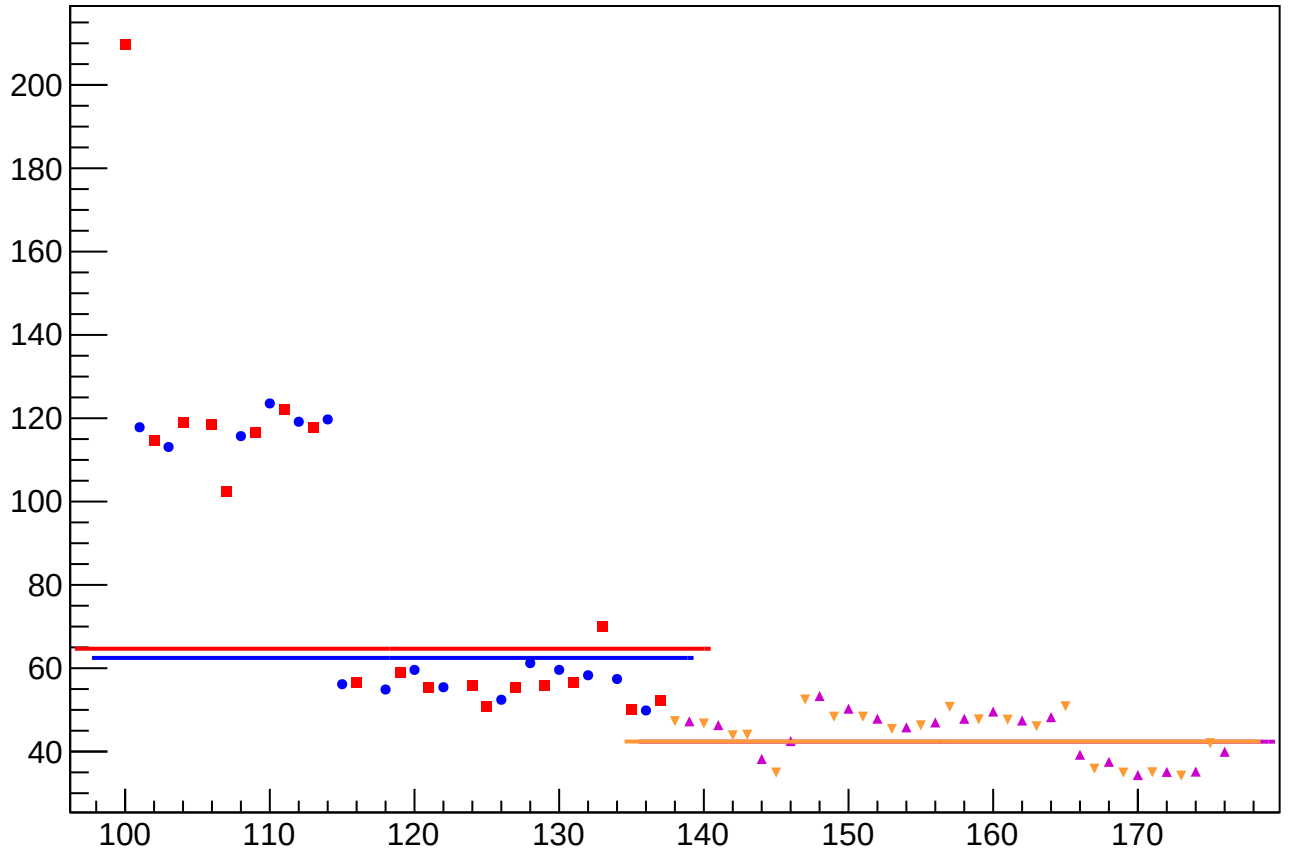
Left: 25.439+/-7.667 χ^2/NDF: 51.6/38

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.238+/-9.968 χ^2/NDF:44.9/34

Out: 28.363+/-9.905 χ^2/NDF:52.0/38

All: 14.886+/-7.026 χ^2/NDF: 100.6/73



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.403+/-0.008 χ^2/NDF:656057.2/19

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.369+/-0.008 χ^2/NDF:578936.4/18

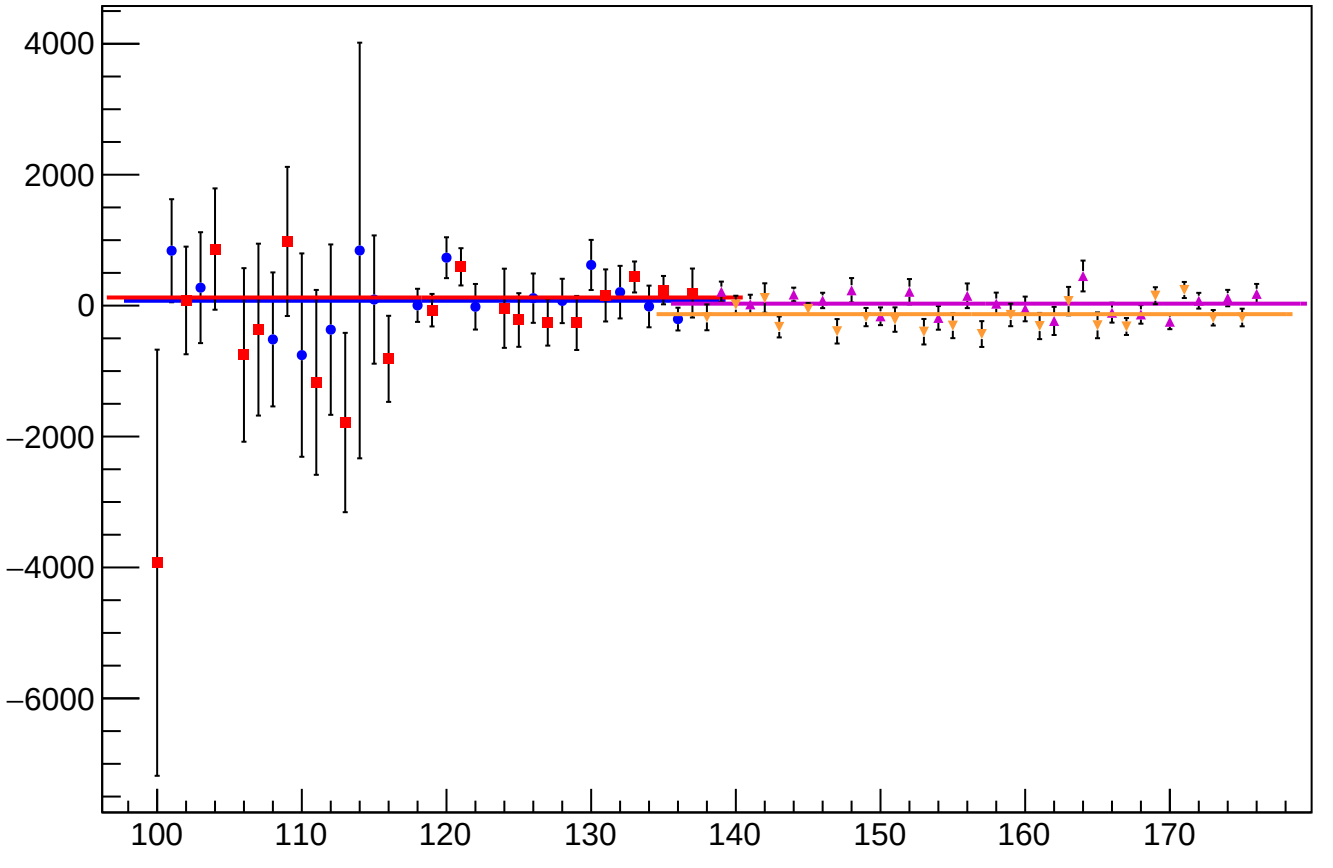
Left: 42.386+/-0.005 χ^2/NDF: 1235003.3/38

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.700+/-0.007 χ^2/NDF:3051854.8/34

Out: 45.855+/-0.007 χ^2/NDF:3571421.2/38

All: 45.778+/-0.005 χ^2/NDF: 6623520.2/73



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 29.924+/-33.901 χ^2/NDF:23.8/18

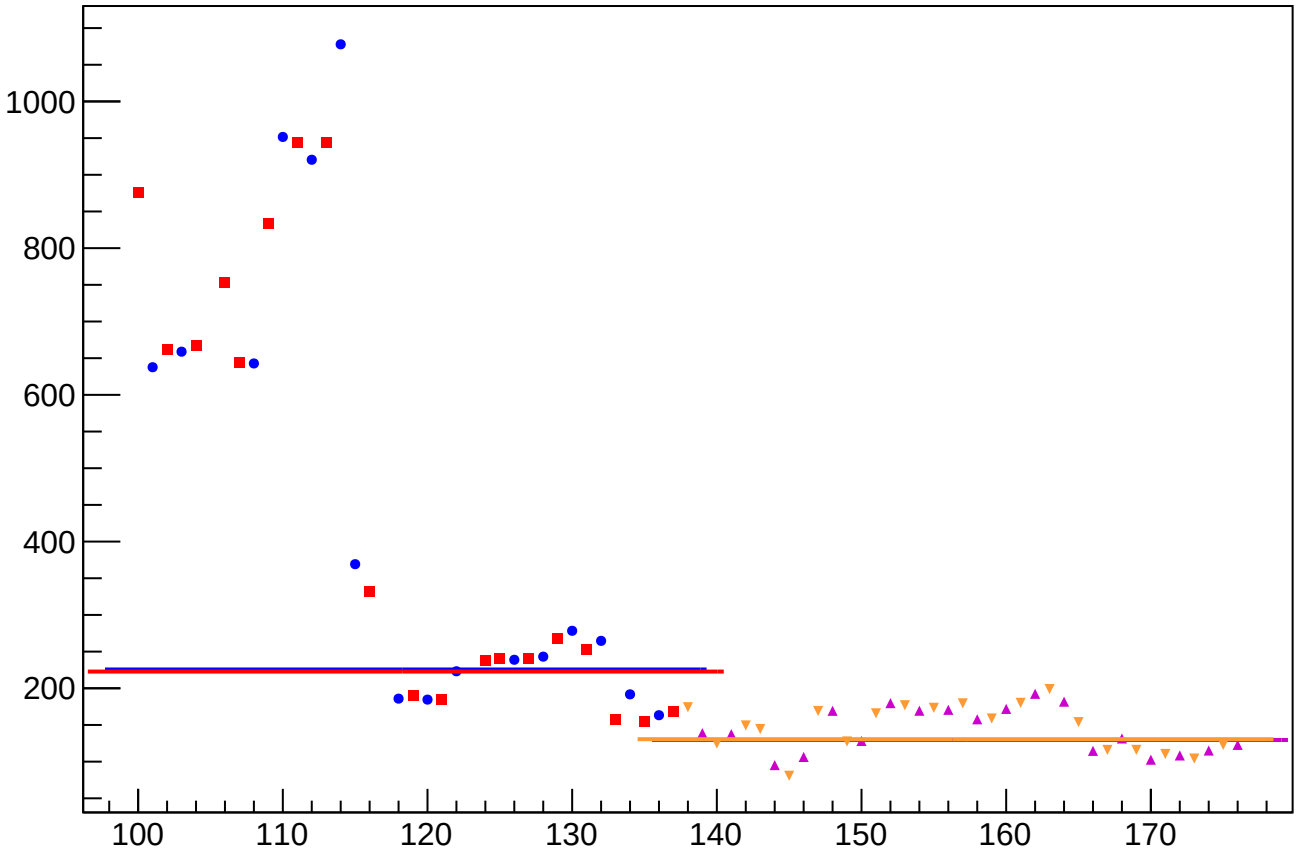
Left: -50.203+/-23.984 χ^2/NDF: 65.7/38

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 34.983+/-31.909 χ^2/NDF:35.2/34

Out: -101.493+/-31.946 χ^2/NDF:53.5/38

All: -33.177+/-22.576 χ^2/NDF: 97.8/73



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.610+/-0.024 χ^2/NDF:1849627.6/19

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 129.517+/-0.024 χ^2/NDF:1372446.2/18

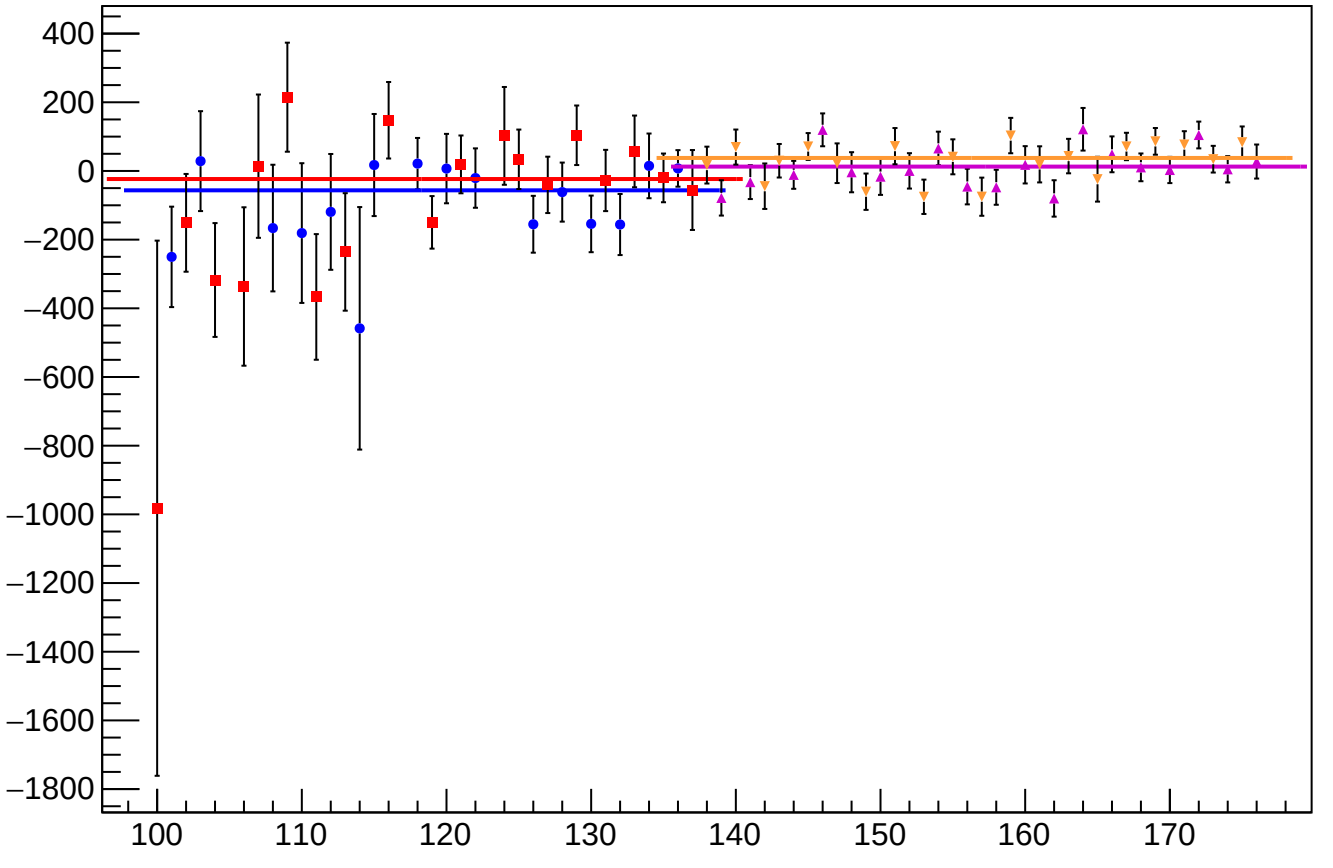
Left: 130.063+/-0.017 χ^2/NDF: 3223111.8/38

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 140.476+/-0.023 χ^2/NDF:6231069.4/34

Out: 141.107+/-0.023 χ^2/NDF:7378038.9/38

All: 140.791+/-0.016 χ^2/NDF: 13609499.0/73



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.874+/-10.775 χ^2/NDF:22.9/19

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.687+/-10.912 χ^2/NDF:26.0/18

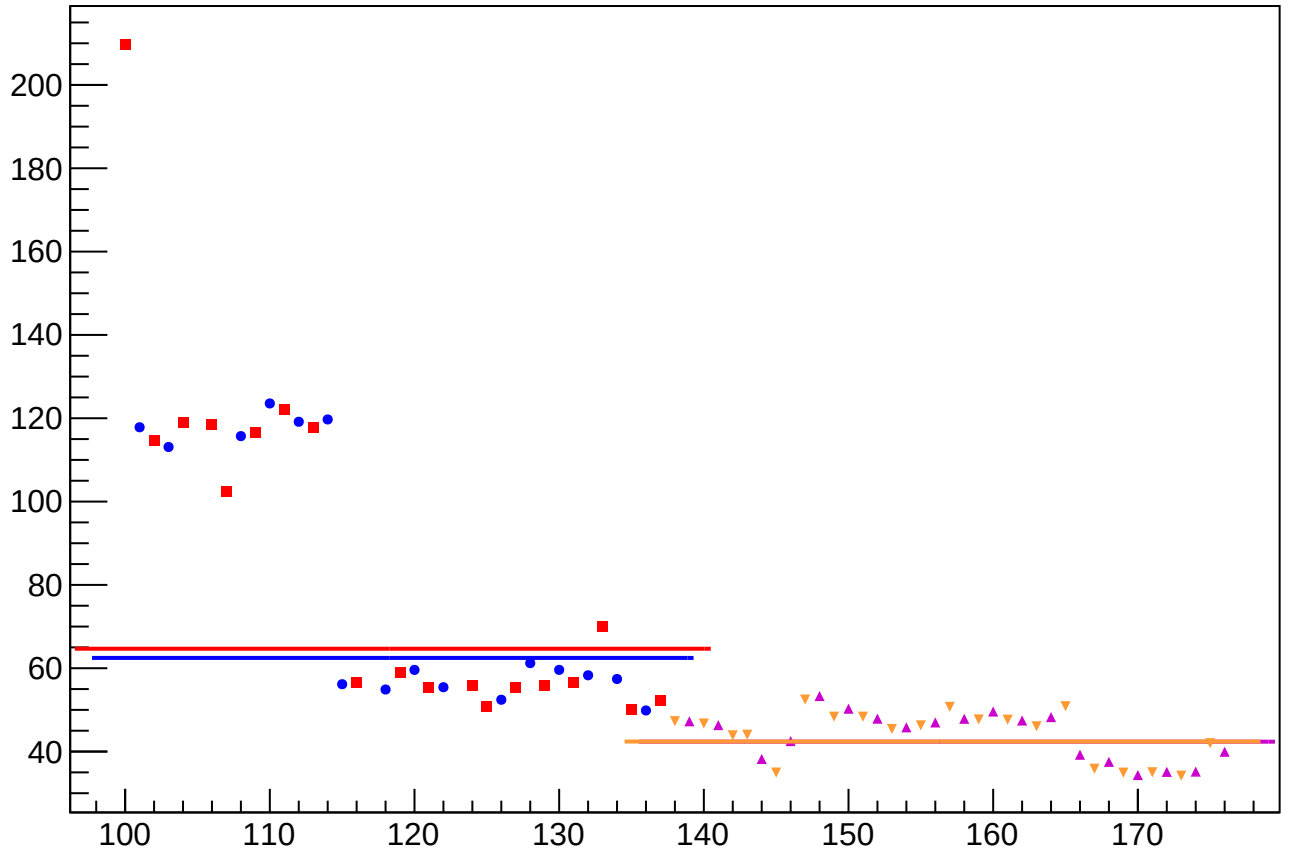
Left: 25.440+/-7.667 χ^2/NDF: 51.6/38

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.238+/-9.968 χ^2/NDF:44.9/34

Out: 28.363+/-9.905 χ^2/NDF:52.0/38

All: 14.887+/-7.026 χ^2/NDF: 100.6/73



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.403+/-0.008 χ^2/NDF:656070.1/19

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.369+/-0.008 χ^2/NDF:578940.3/18

Left: 42.386+/-0.005 χ^2/NDF: 1235020.1/38

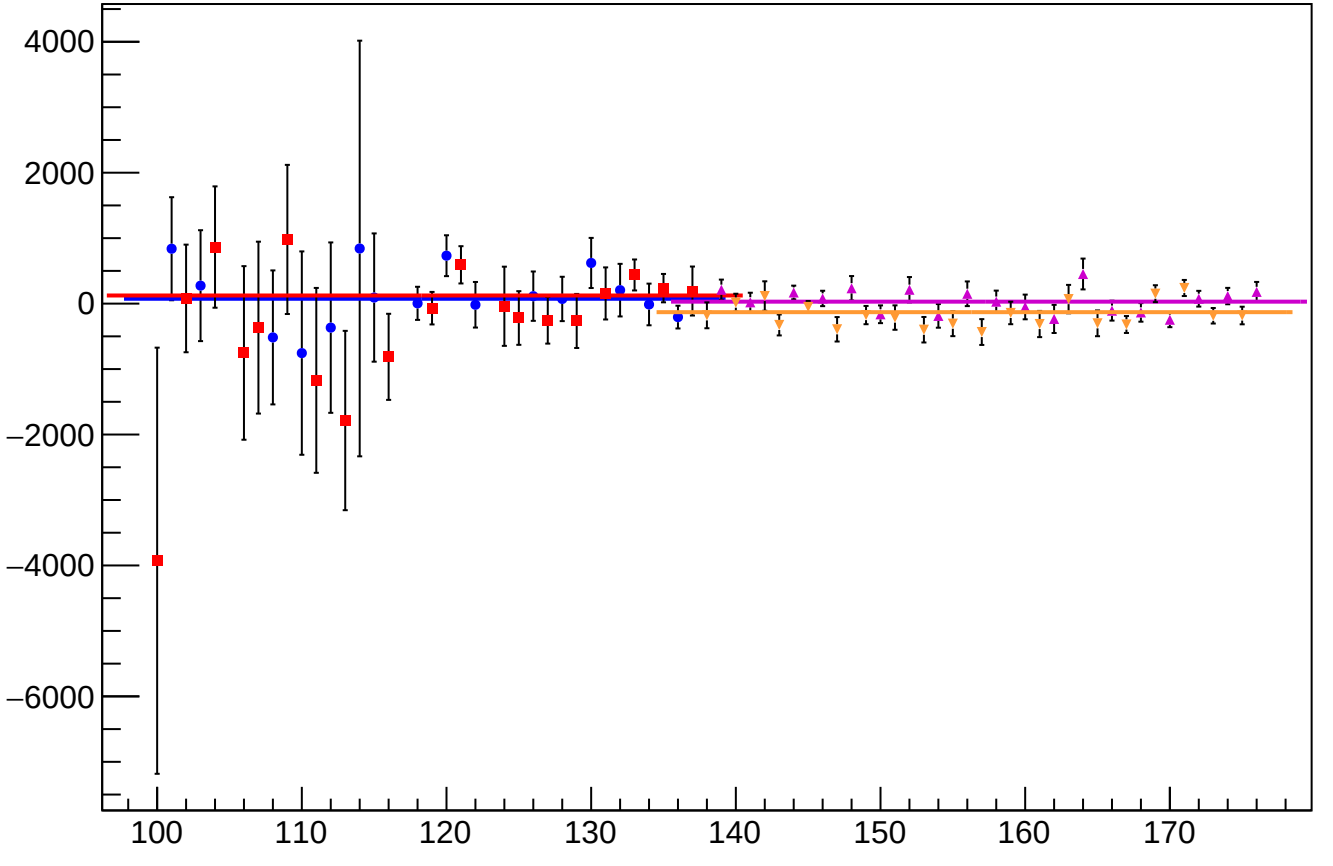
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.700+/-0.007 χ^2/NDF:3051789.8/34

Out: 45.855+/-0.007 χ^2/NDF:3571385.1/38

All: 45.778+/-0.005 χ^2/NDF: 6623419.2/73

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -130.498+/-33.937 χ^2/NDF:30.8/19

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 29.924+/-33.901 χ^2/NDF:23.8/18

Left: -50.203+/-23.984 χ^2/NDF: 65.7/38

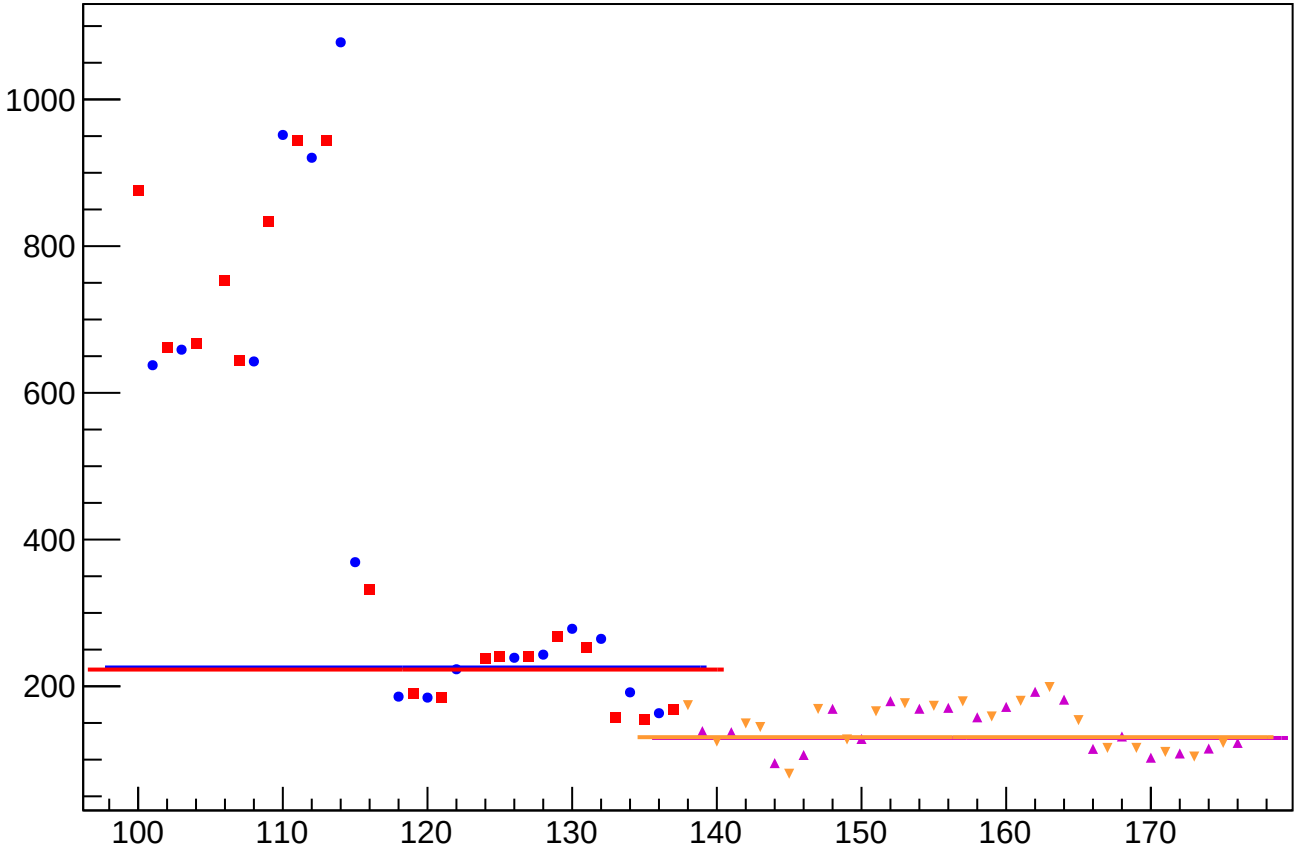
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 34.984+/-31.909 χ^2/NDF:35.2/34

Out: -101.493+/-31.946 χ^2/NDF:53.5/38

All: -33.177+/-22.576 χ^2/NDF: 97.8/73

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: 130.610+/-0.024 χ^2/NDF:1849618.1/19

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 129.518+/-0.024 χ^2/NDF:1372442.3/18

Left: 130.063+/-0.017 χ^2/NDF: 3223098.6/38

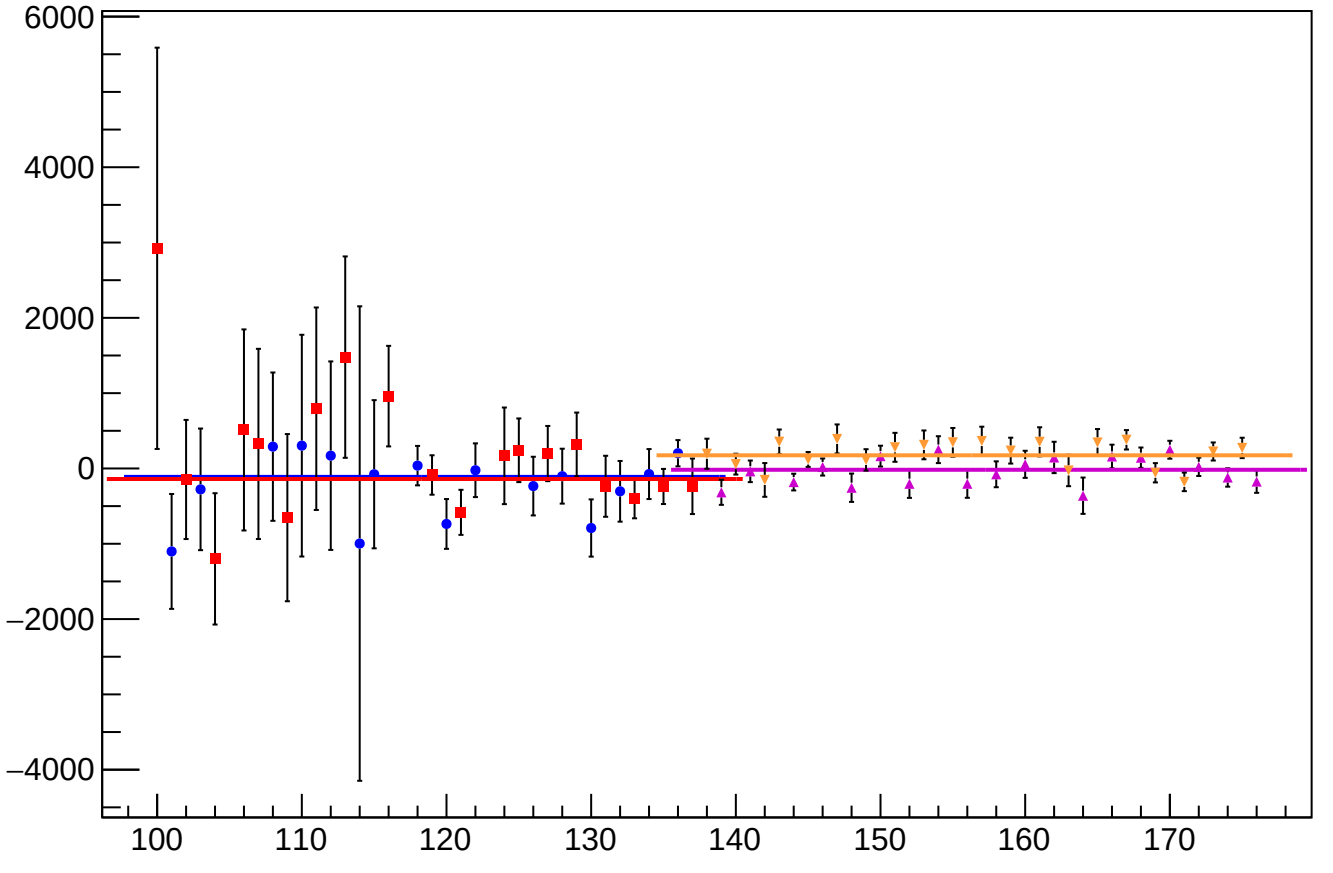
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 140.476+/-0.023 χ^2/NDF:6231046.6/34

Out: 141.107+/-0.023 χ^2/NDF:7378013.4/38

All: 140.791+/-0.016 χ^2/NDF: 13609450.9/73

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 174.748+/-34.295 χ^2/NDF:26.1/19

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -17.513+/-34.053 χ^2/NDF:25.5/18

Left: 77.935+/-24.164 χ^2/NDF: 67.4/38

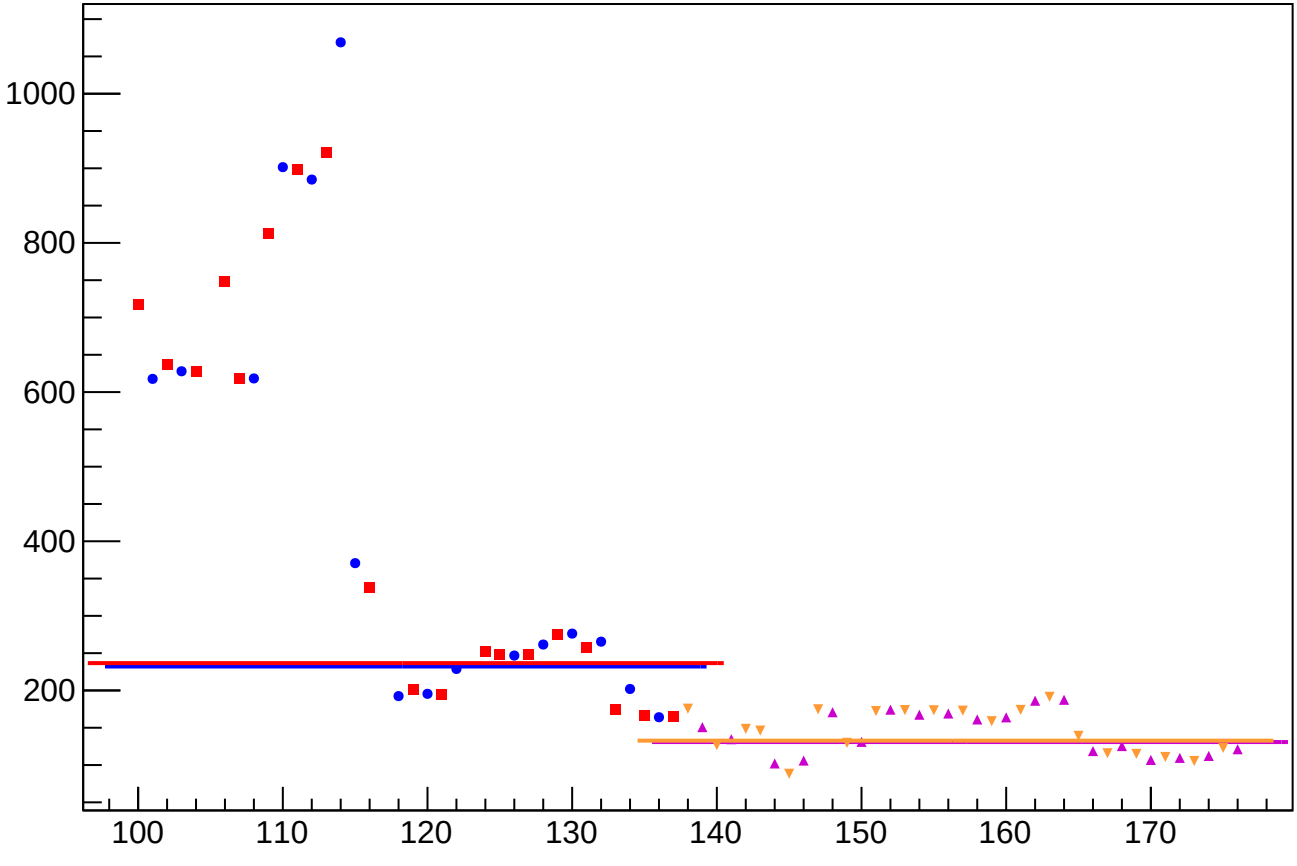
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -27.957+/-32.114 χ^2/NDF:39.2/34

Out: 141.132+/-32.412 χ^2/NDF:49.7/38

All: 55.806+/-22.813 χ^2/NDF: 102.7/73

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.711+/-0.024 χ^2/NDF:1525255.0/19

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 130.822+/-0.024 χ^2/NDF:1219169.4/18

Left: 131.760+/-0.017 χ^2/NDF: 2747482.1/38

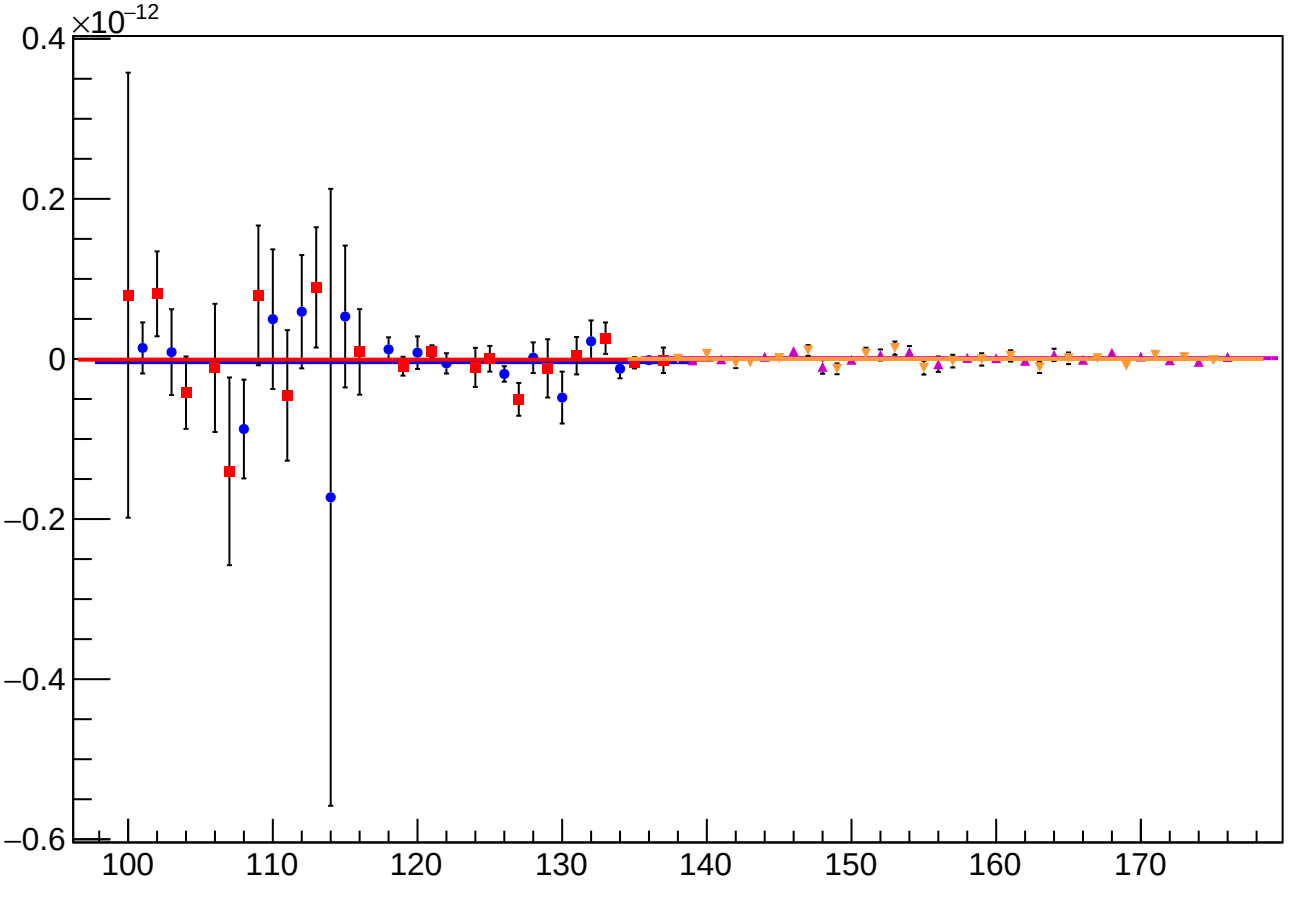
Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.027+/-0.023 χ^2/NDF:6062140.2/34

Out: 143.813+/-0.023 χ^2/NDF:7008318.2/38

All: 142.912+/-0.016 χ^2/NDF: 13073522.9/73

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

Left: 0.000+/-0.000 χ^2/NDF: 34.5/38

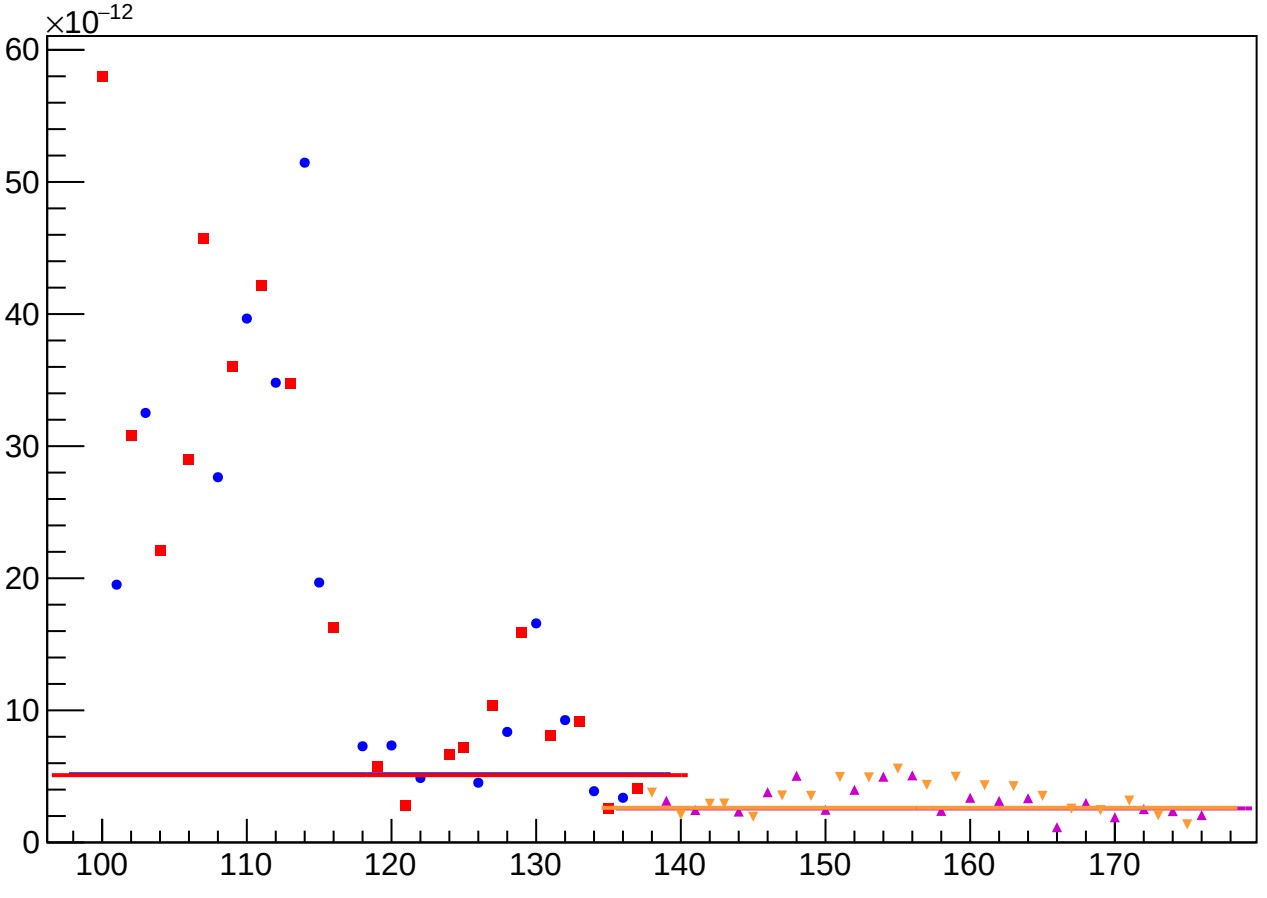
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:24.2/34

Out: -0.000+/-0.000 χ^2/NDF:41.1/38

All: 0.000+/-0.000 χ^2/NDF: 65.5/73

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:2022588.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1273365.1/18

Left: 0.000+/-0.000 χ^2/NDF: 3297815.6/38

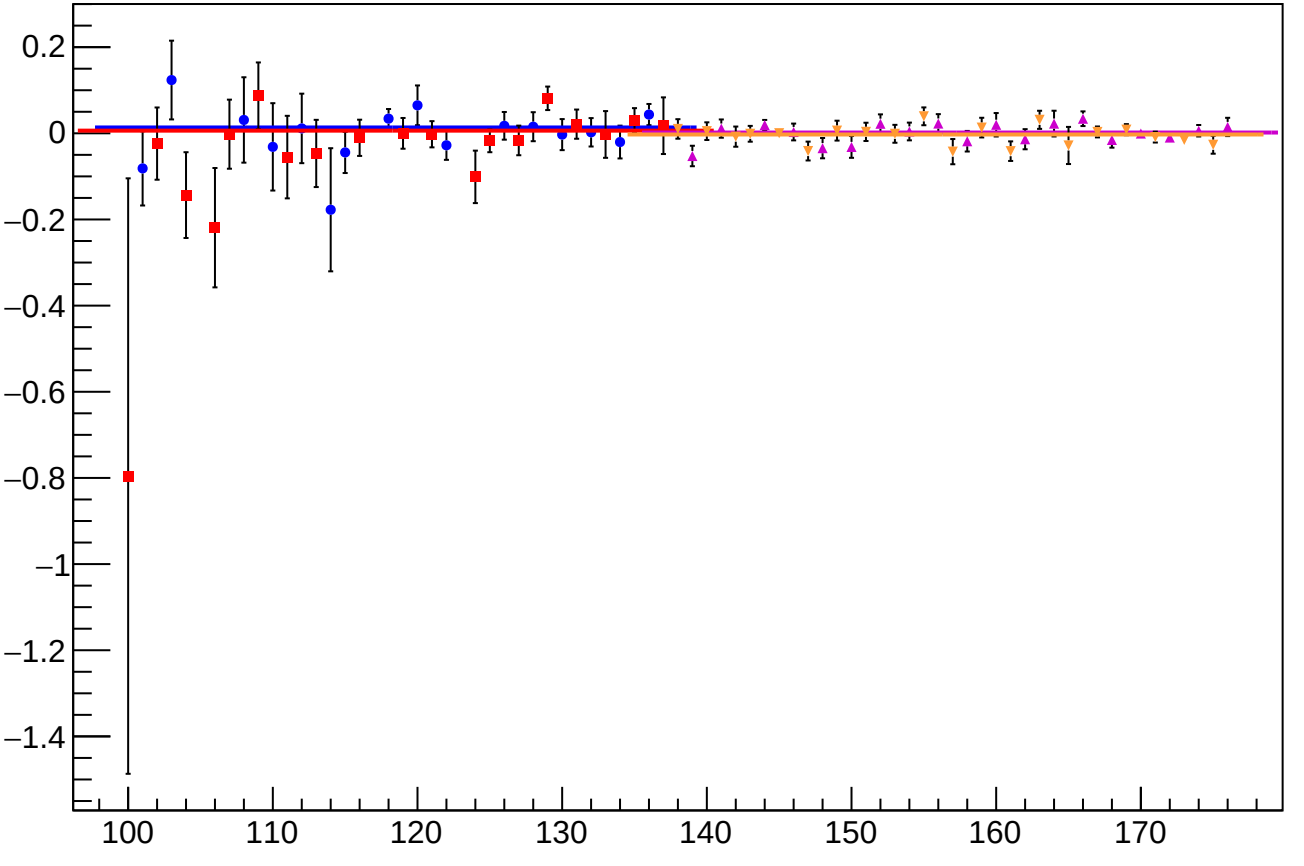
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4799276.4/34

Out: 0.000+/-0.000 χ^2/NDF:5984233.8/38

All: 0.000+/-0.000 χ^2/NDF: 10783510.2/73

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.4/38

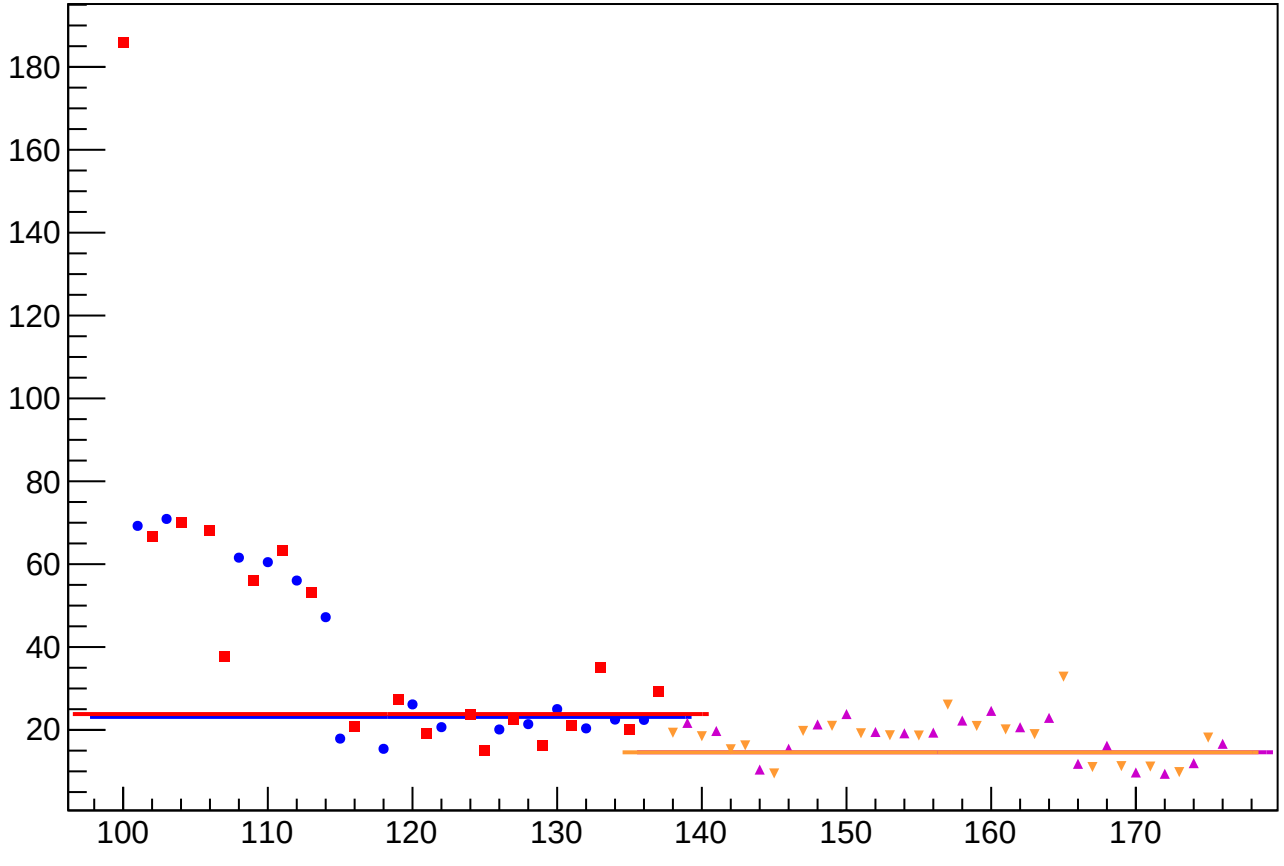
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.4/73

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: 14.590+/-0.003 χ^2/NDF:2982085.7/19

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

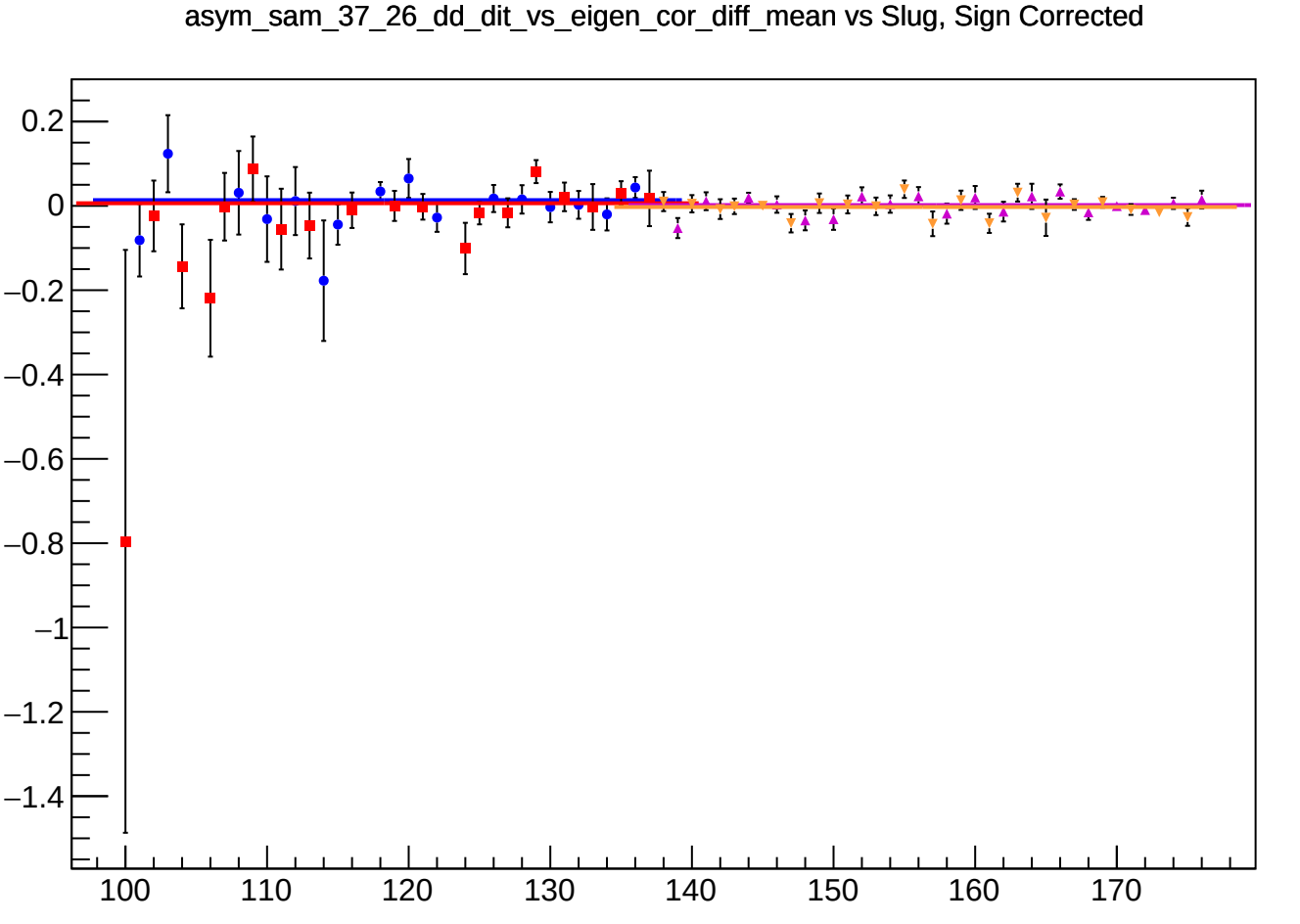
Left: 14.598+/-0.002 χ^2/NDF: 6052075.6/38

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.835+/-0.003 χ^2/NDF:6764127.4/34

Out: 15.818+/-0.003 χ^2/NDF:7339990.3/38

All: 15.826+/-0.002 χ^2/NDF: 14104137.1/73



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.4/38

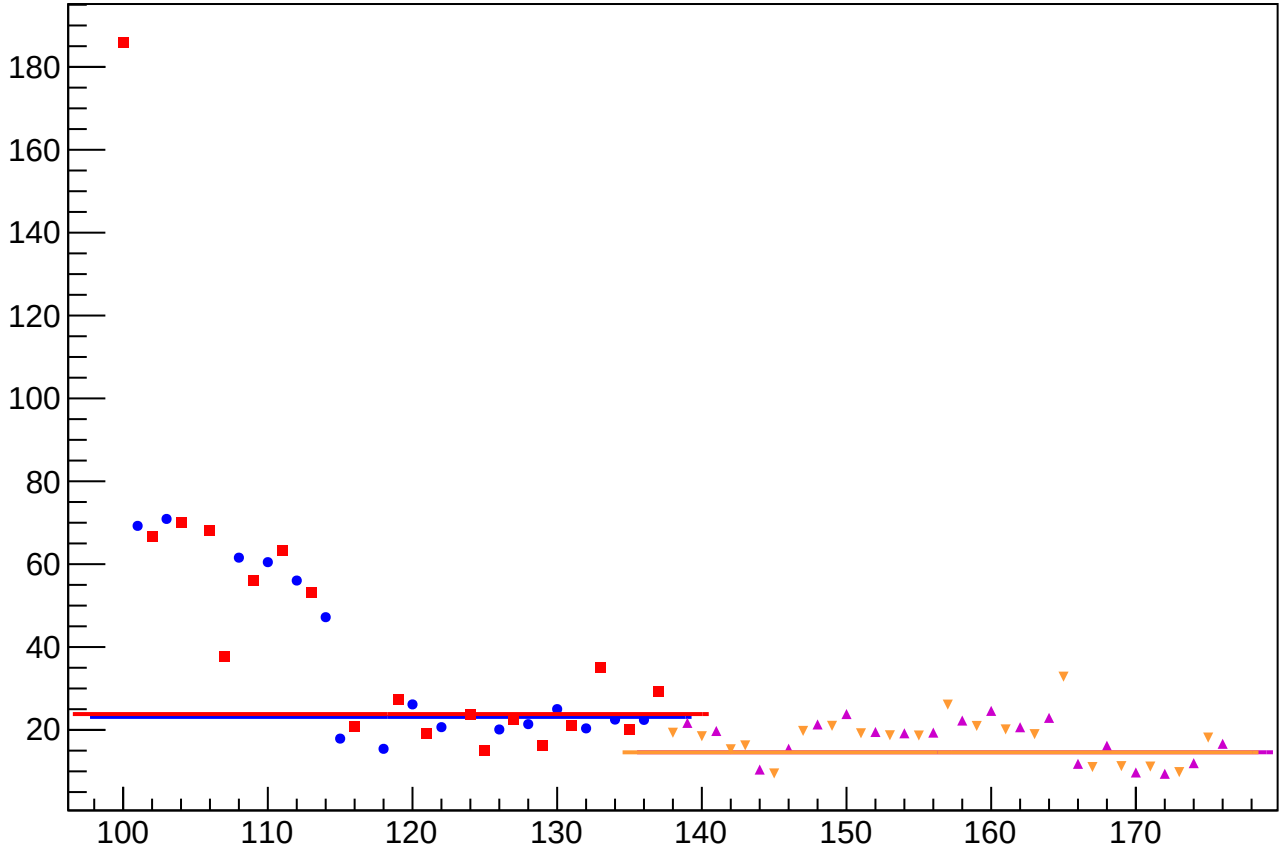
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.4/73

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: 14.590+/-0.003 χ^2/NDF:2982085.7/19

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

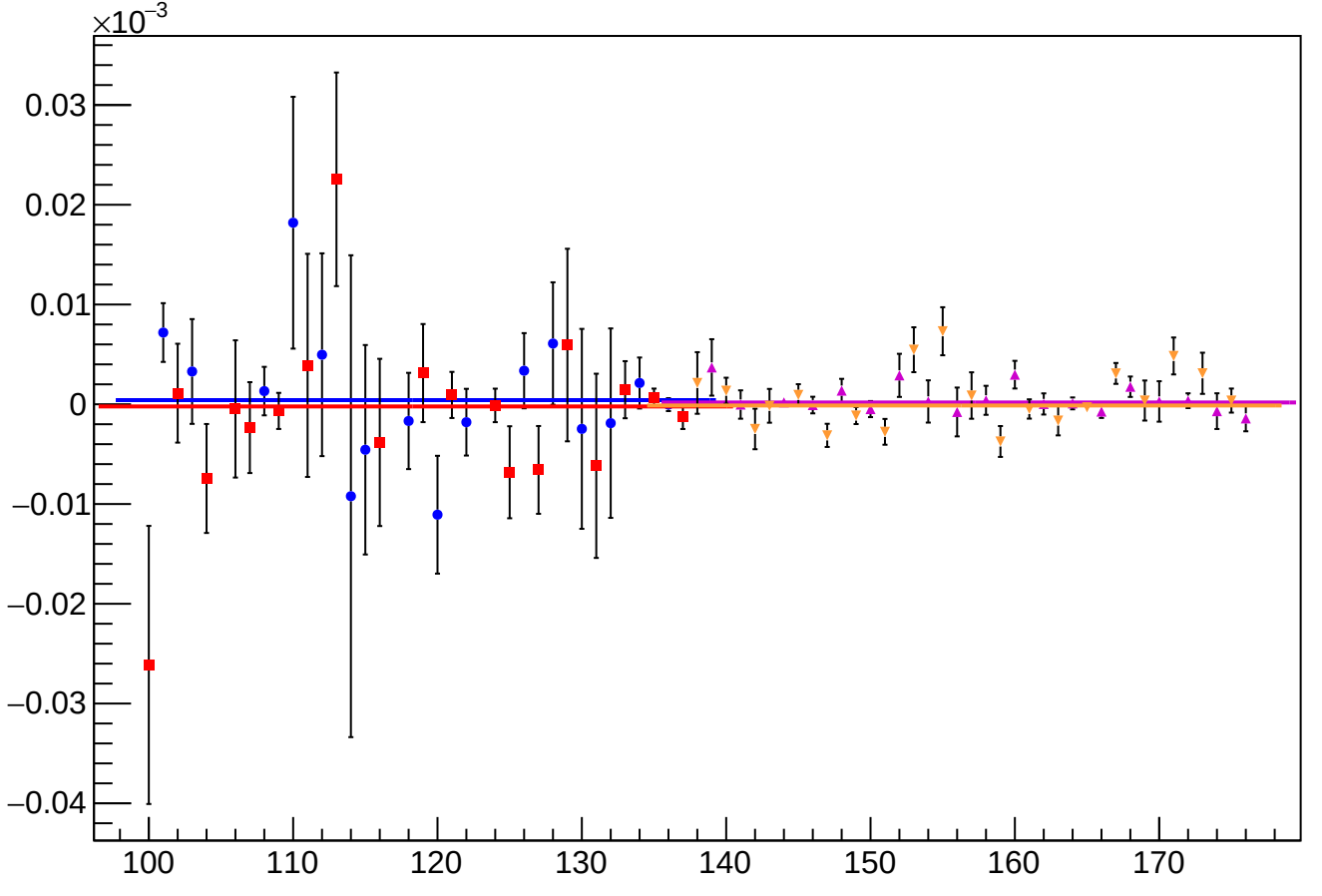
Left: 14.598+/-0.002 χ^2/NDF: 6052075.6/38

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.835+/-0.003 χ^2/NDF:6764127.4/34

Out: 15.818+/-0.003 χ^2/NDF:7339990.3/38

All: 15.826+/-0.002 χ^2/NDF: 14104137.1/73



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/18

Left: 0.000+/-0.000 χ^2/NDF: 75.0/38

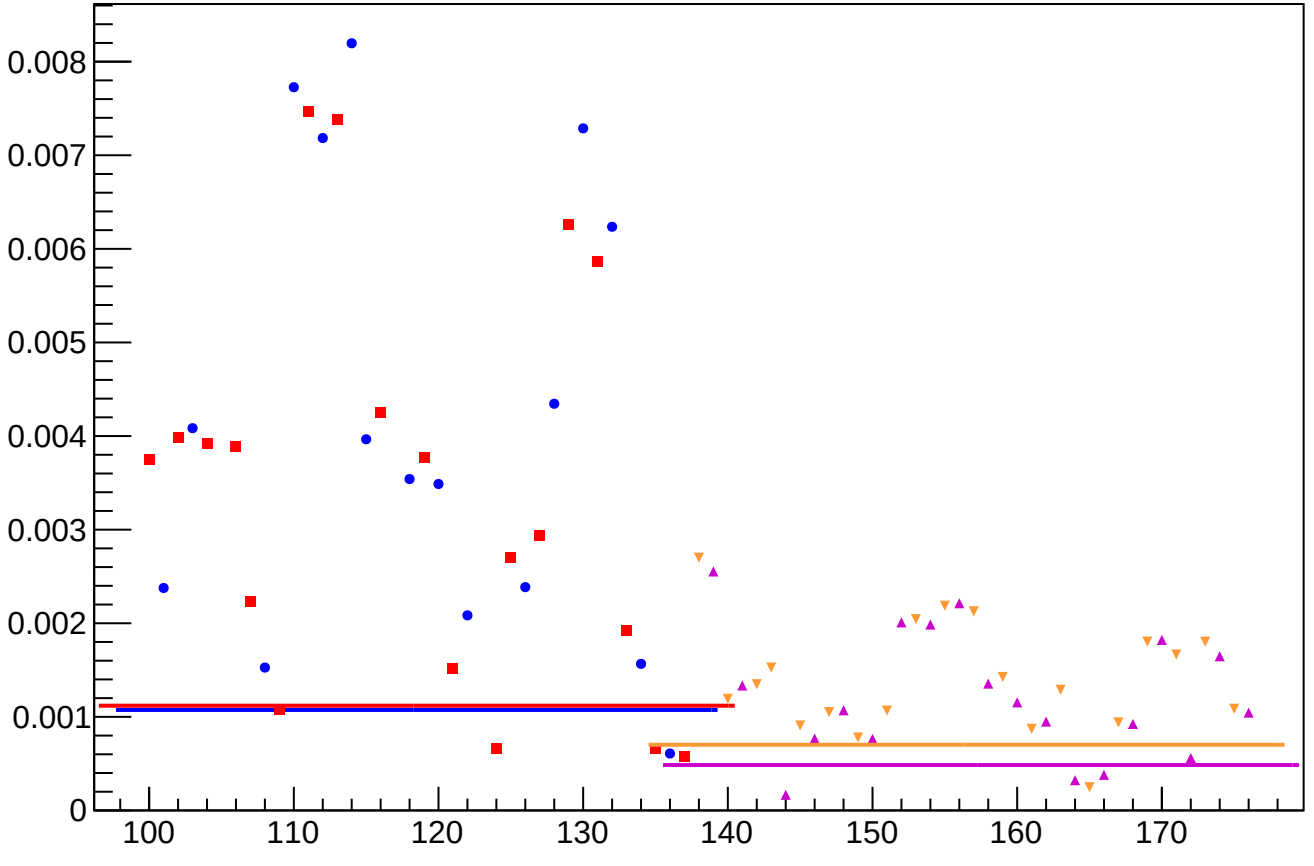
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:76.4/38

All: 0.000+/-0.000 χ^2/NDF: 108.8/73

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:11401035.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13119457.7/18

Left: 0.001+/-0.000 χ^2/NDF: 25660160.7/38

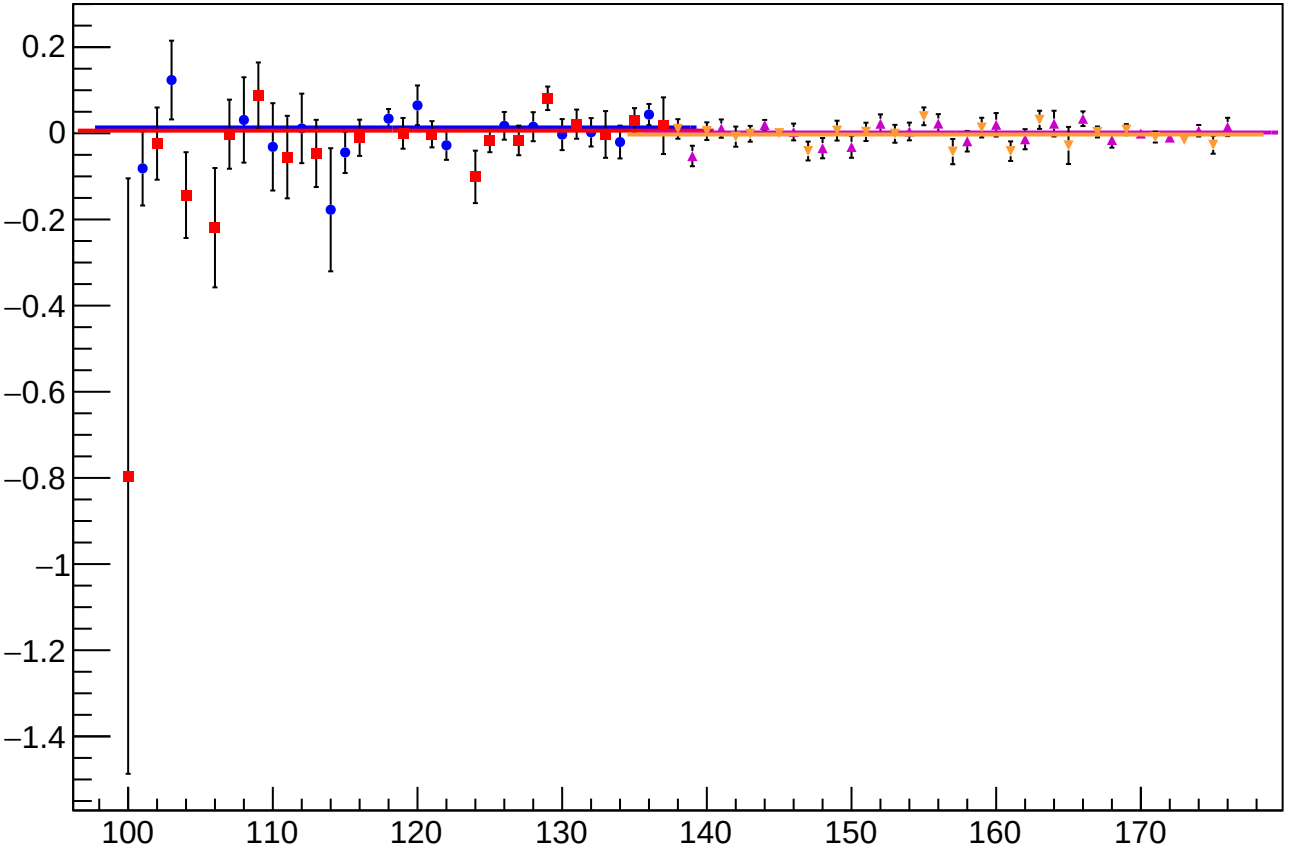
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:22163227.2/34

Out: 0.001+/-0.000 χ^2/NDF:19129755.7/38

All: 0.001+/-0.000 χ^2/NDF: 42619684.1/73

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: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.4/38

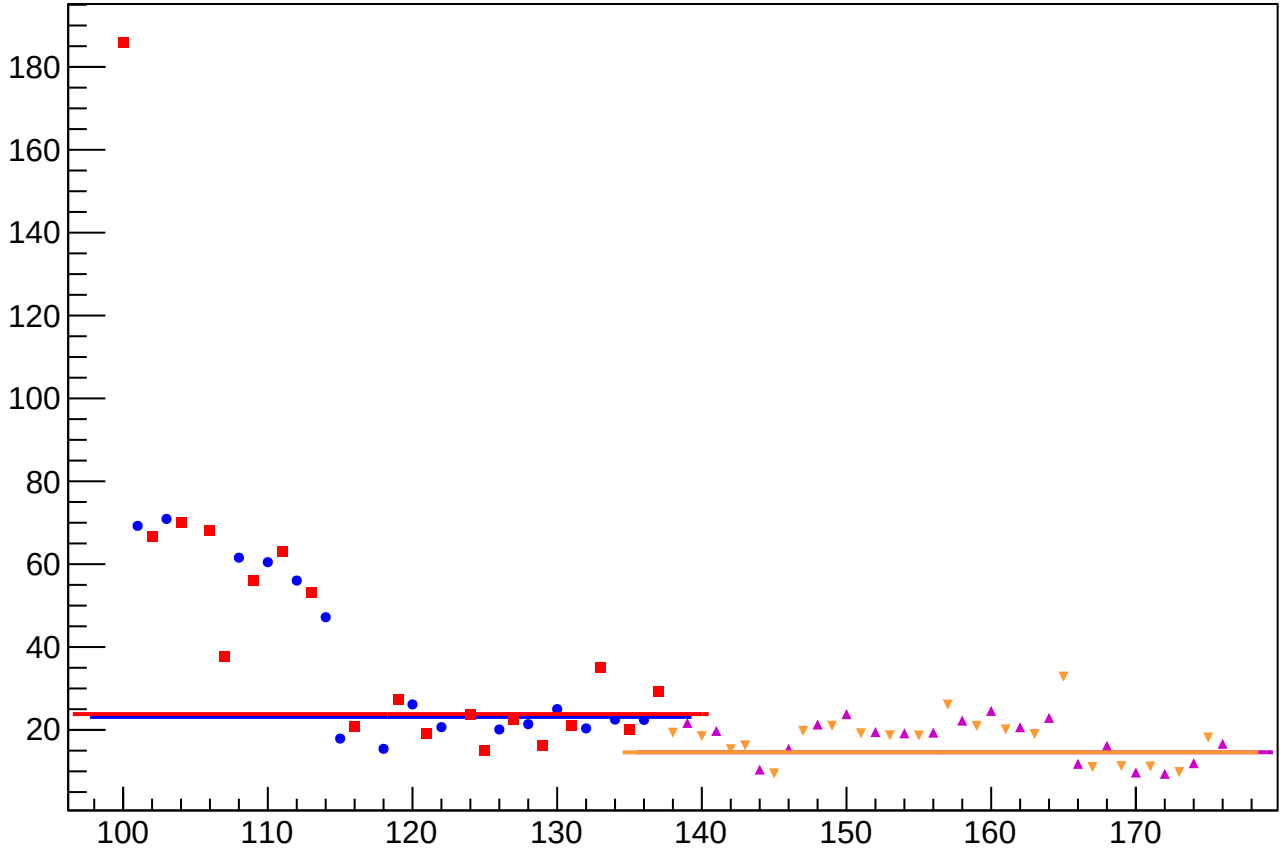
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.4/73

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: 14.590+/-0.003 χ^2/NDF:2982230.6/19

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

Left: 14.598+/-0.002 χ^2/NDF: 6052246.4/38

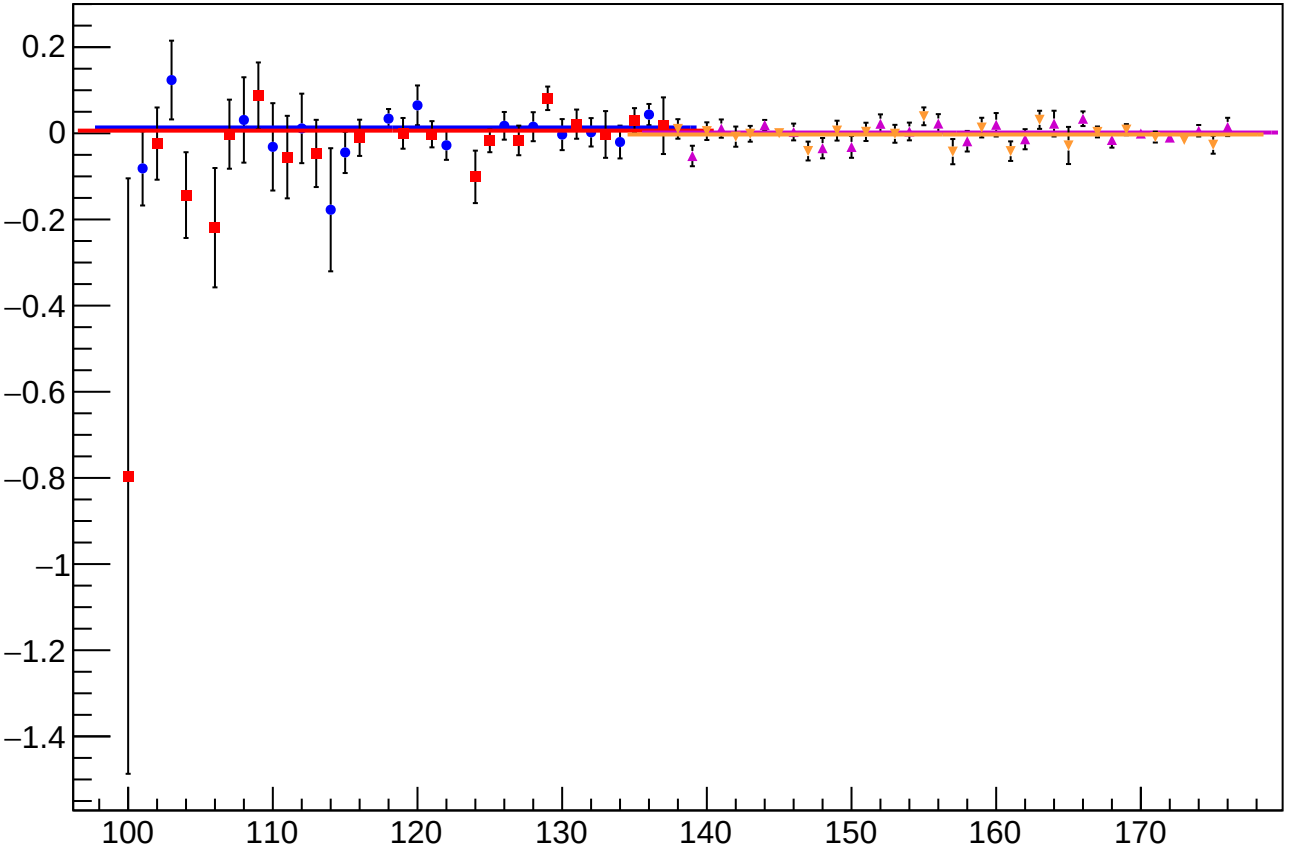
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.835+/-0.003 χ^2/NDF:6763872.8/34

Out: 15.819+/-0.003 χ^2/NDF:7339935.6/38

All: 15.827+/-0.002 χ^2/NDF: 14103827.8/73

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.0/19

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.4/38

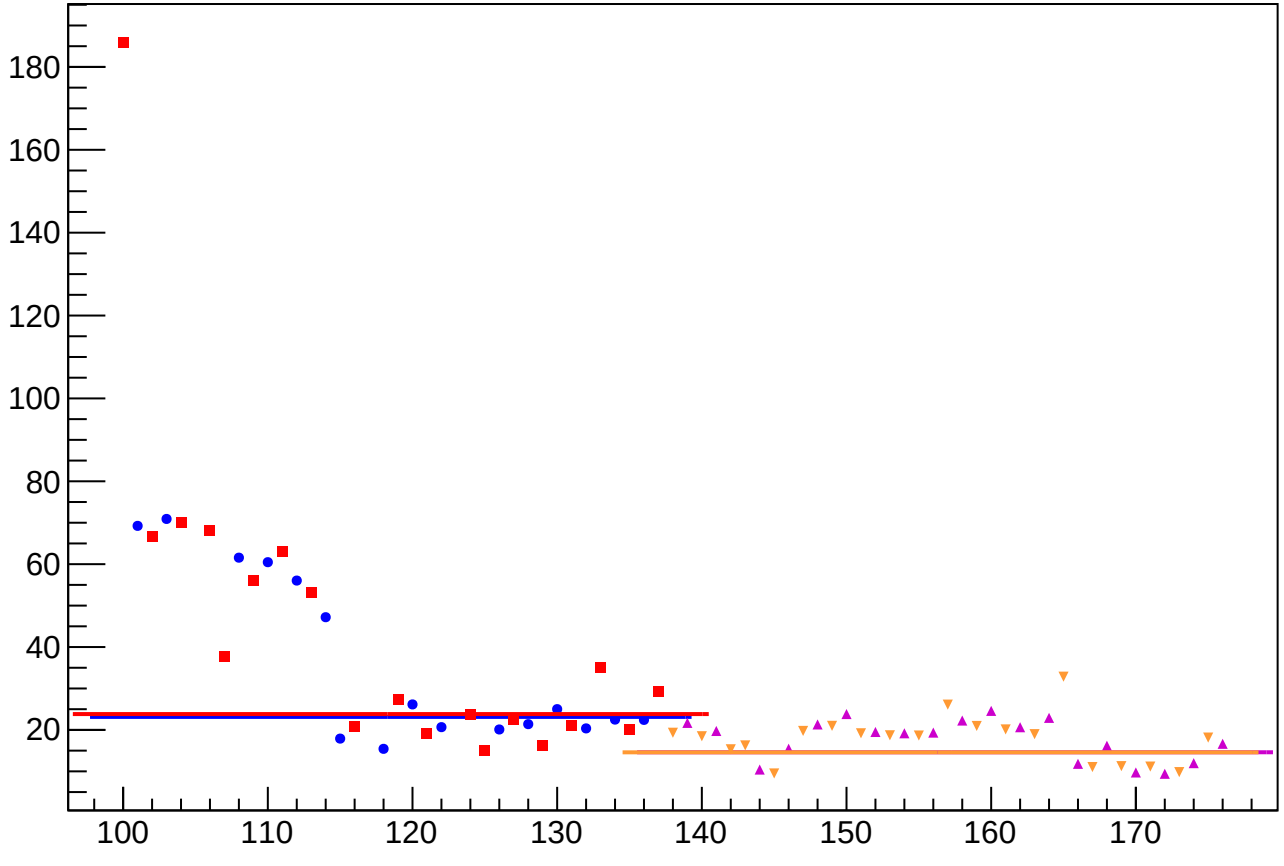
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.002+/-0.004 χ^2/NDF:42.2/38

All: 0.001+/-0.003 χ^2/NDF: 78.4/73

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: 14.590+/-0.003 χ^2/NDF:2982230.6/19

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

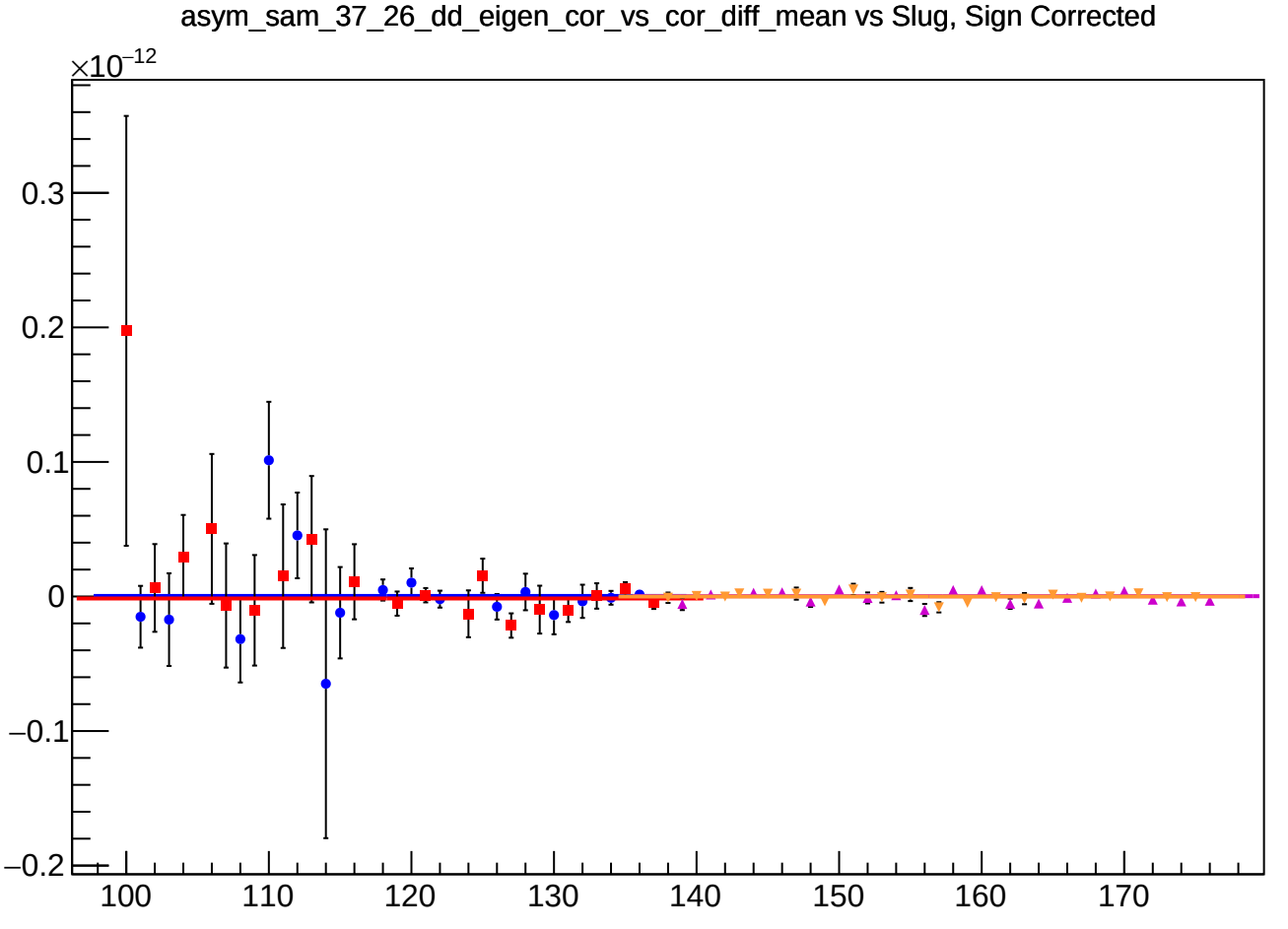
Left: 14.598+/-0.002 χ^2/NDF: 6052246.4/38

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.835+/-0.003 χ^2/NDF:6763872.8/34

Out: 15.819+/-0.003 χ^2/NDF:7339935.6/38

All: 15.827+/-0.002 χ^2/NDF: 14103827.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:32.2/18

Left: 0.000+/-0.000 χ^2/NDF: 45.9/38

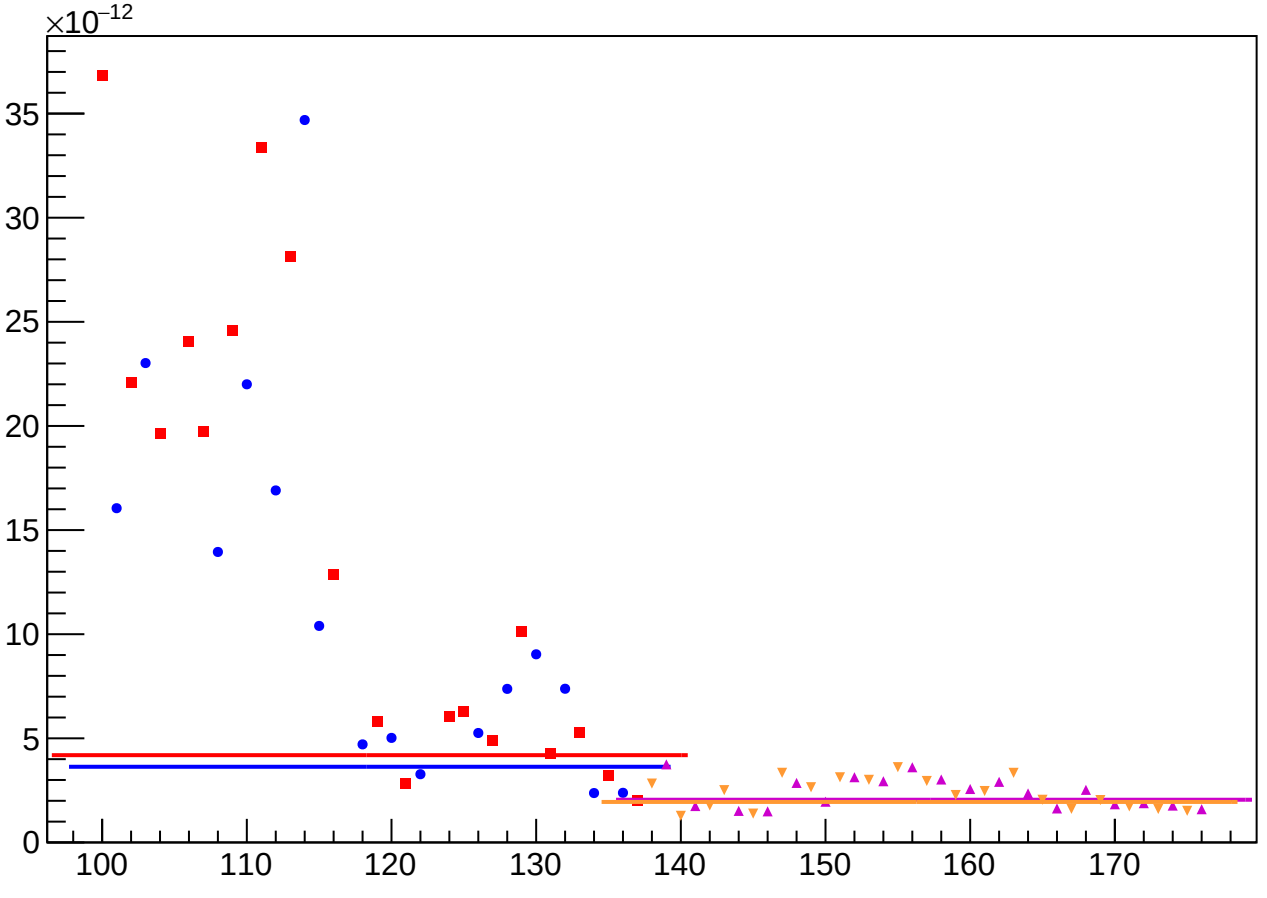
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:45.2/34

Out: -0.000+/-0.000 χ^2/NDF:29.6/38

All: 0.000+/-0.000 χ^2/NDF: 74.9/73

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2141131.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1736399.8/18

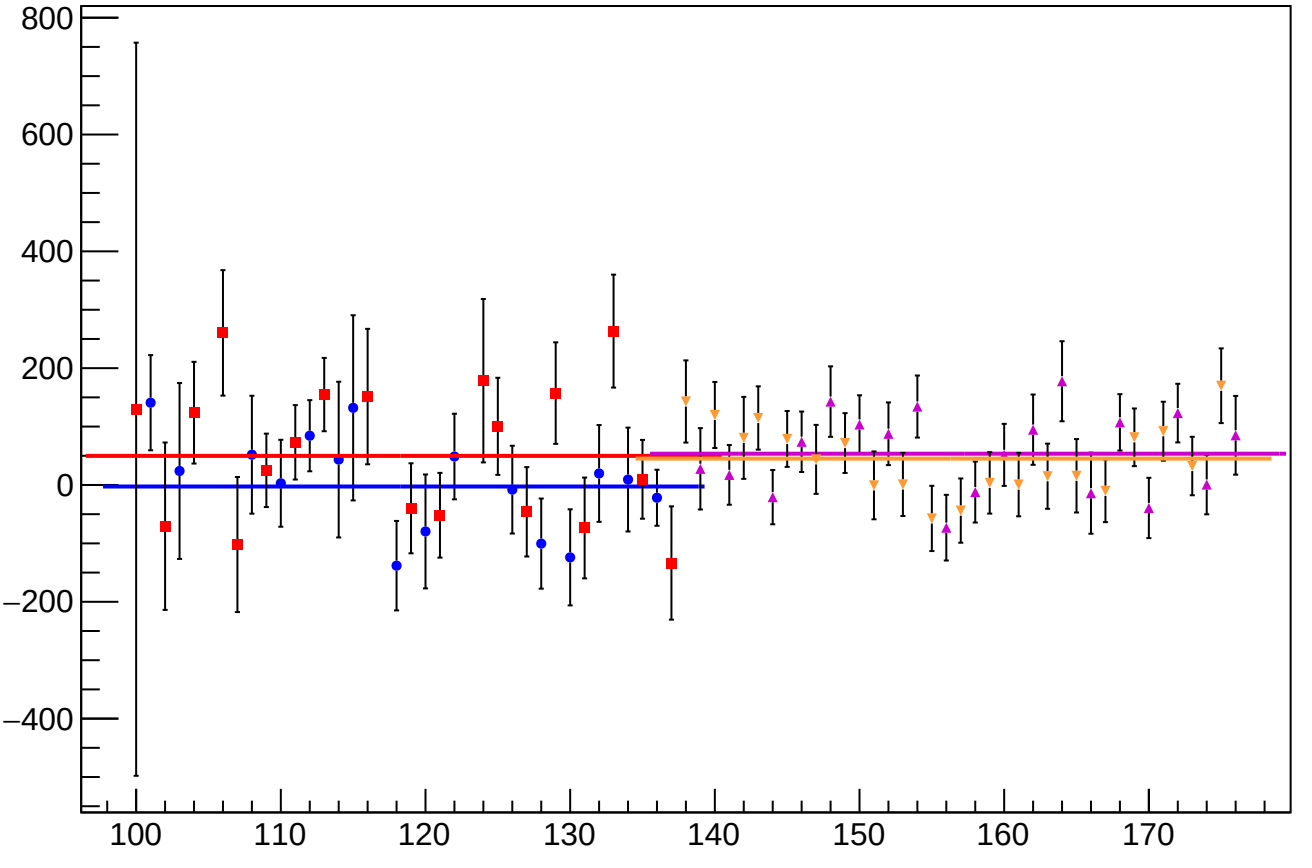
Left: 0.000+/-0.000 χ^2/NDF: 3905405.6/38

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6407111.4/34

Out: 0.000+/-0.000 χ^2/NDF:8296313.5/38

All: 0.000+/-0.000 χ^2/NDF: 14733131.3/73



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 45.147+/-12.382 χ^2/NDF:21.8/19

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

Left: 49.291+/-8.816 χ^2/NDF: 50.3/38

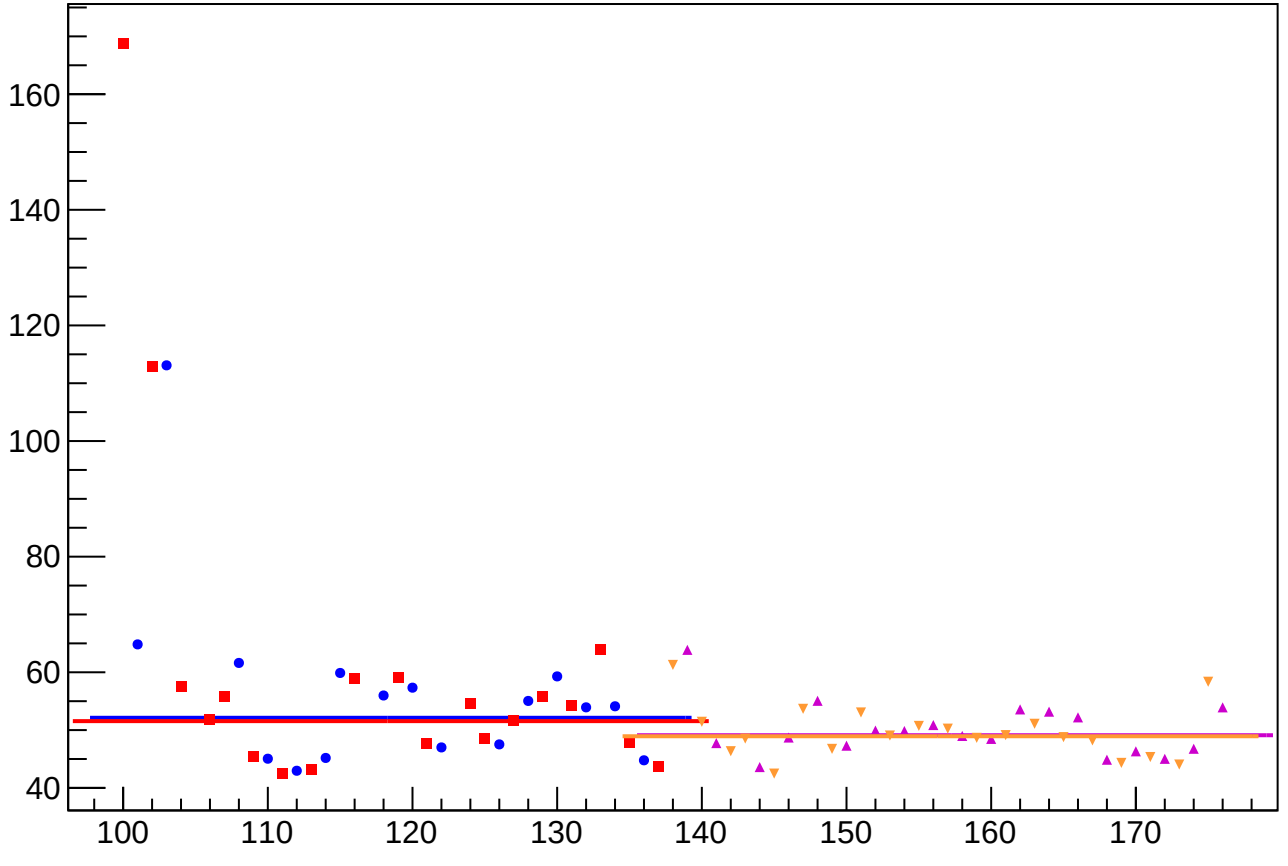
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 37.669+/-10.632 χ^2/NDF:48.6/34

Out: 46.475+/-10.471 χ^2/NDF:51.1/38

All: 42.139+/-7.461 χ^2/NDF: 100.1/73

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

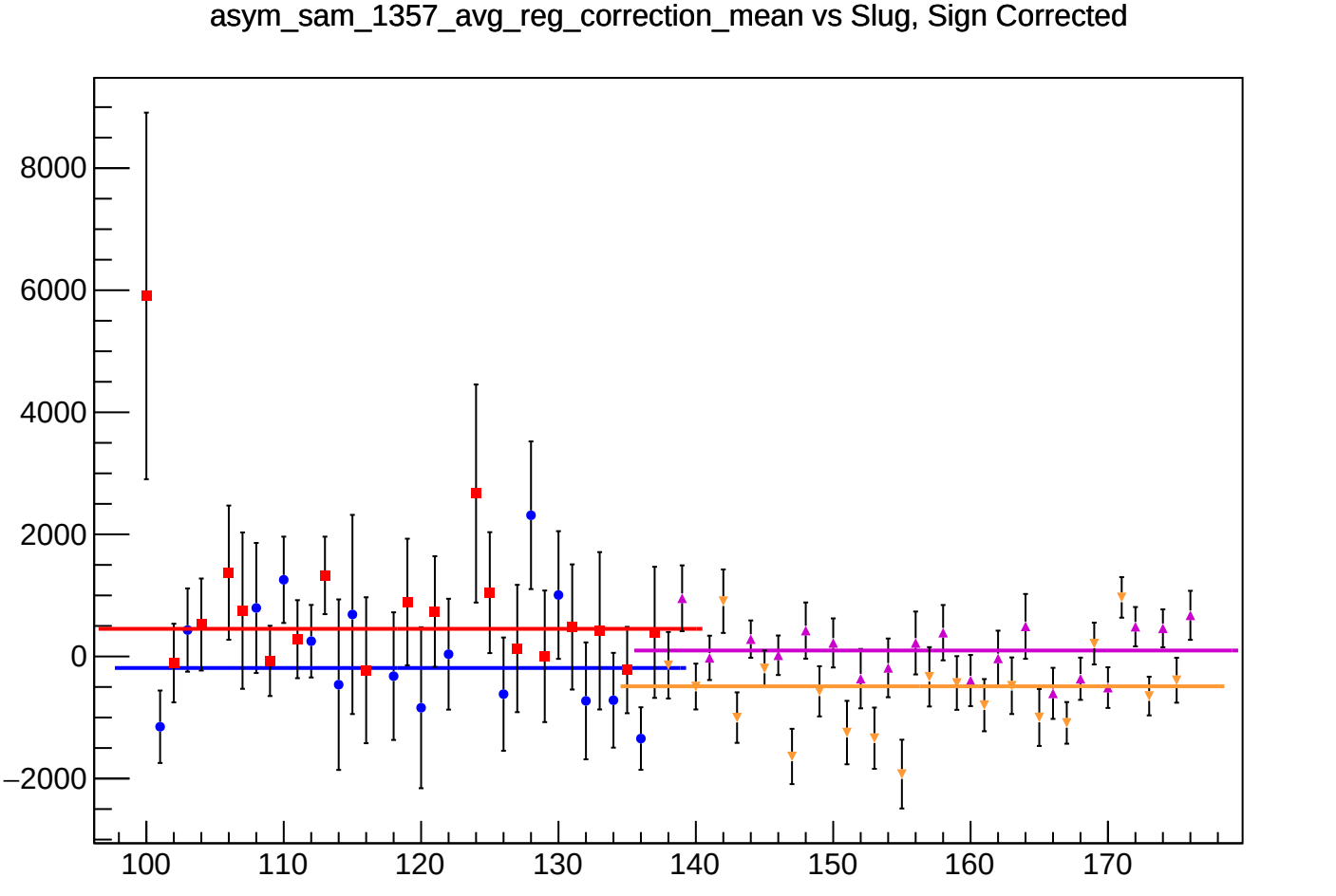
Left: 49.021+/-0.006 χ^2/NDF: 443984.4/38

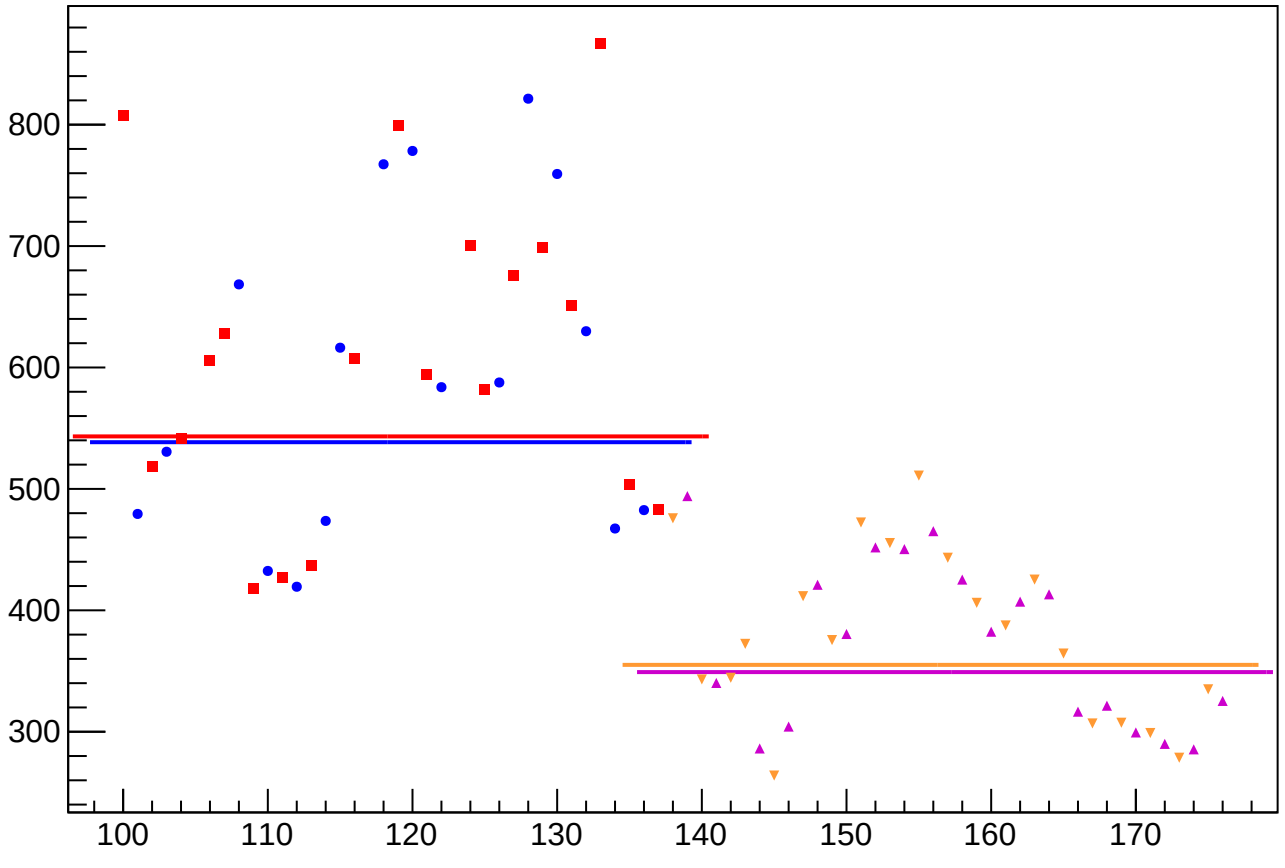
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 49.964+/-0.008 χ^2/NDF:811313.9/34

Out: 49.679+/-0.007 χ^2/NDF:893074.1/38

All: 49.819+/-0.005 χ^2/NDF: 1705115.9/73


asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -188.563+/-205.811 χ²/NDF: 21.4/15
Left Out: -489.004+/-90.991 χ²/NDF:56.8/19
Right Out: 452.540+/-203.918 χ²/NDF: 11.3/18
Left In: 97.715+/-90.281 χ²/NDF:20.2/18
Left: -193.346+/-64.088 χ²/NDF: 97.9/38
Right: 134.950+/-144.856 χ²/NDF: 37.6/34
In: 51.518+/-82.676 χ²/NDF:43.2/34
Out: -332.663+/-83.094 χ²/NDF:85.9/38
All: -139.605+/-58.608 χ²/NDF: 139.8/73



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076287.7/19

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 349.121+/-0.064 χ^2/NDF:967672.3/18

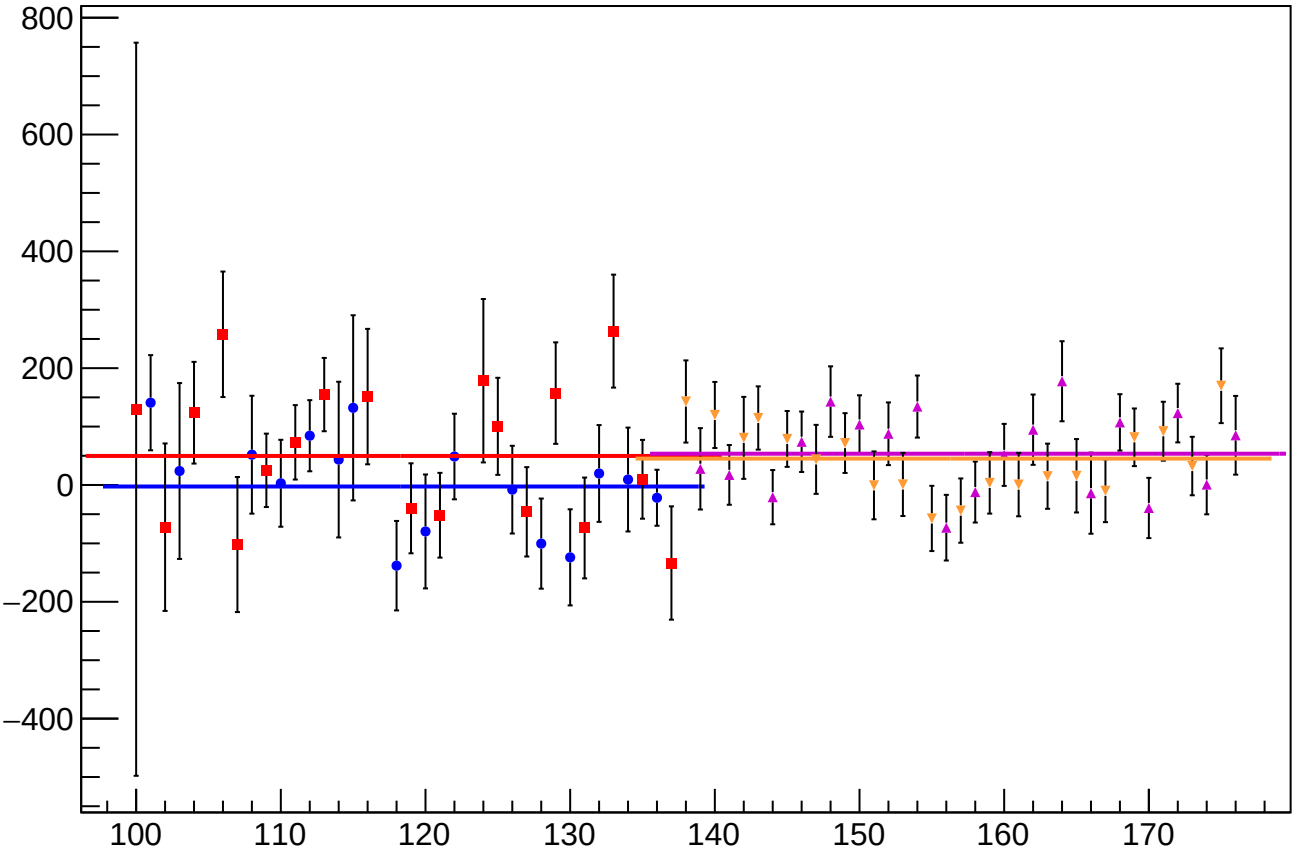
Left: 352.074+/-0.045 χ^2/NDF: 2048273.3/38

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.676+/-0.058 χ^2/NDF:3001314.7/34

Out: 386.318+/-0.059 χ^2/NDF:3133622.4/38

All: 382.980+/-0.041 χ^2/NDF: 6141359.0/73



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

Left: 49.291+/-8.816 χ^2/NDF: 50.3/38

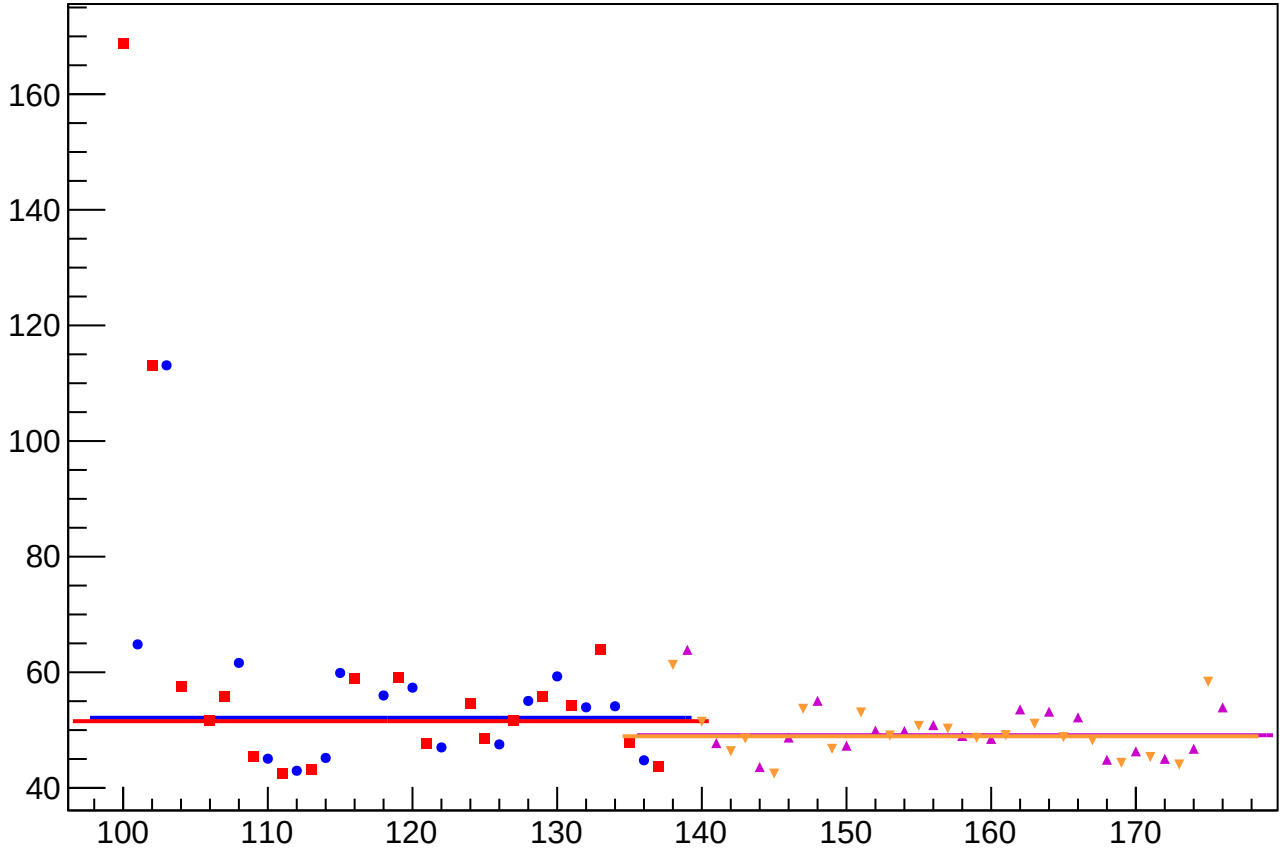
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.668+/-10.632 χ^2/NDF:48.6/34

Out: 46.443+/-10.471 χ^2/NDF:51.1/38

All: 42.122+/-7.461 χ^2/NDF: 100.0/73

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

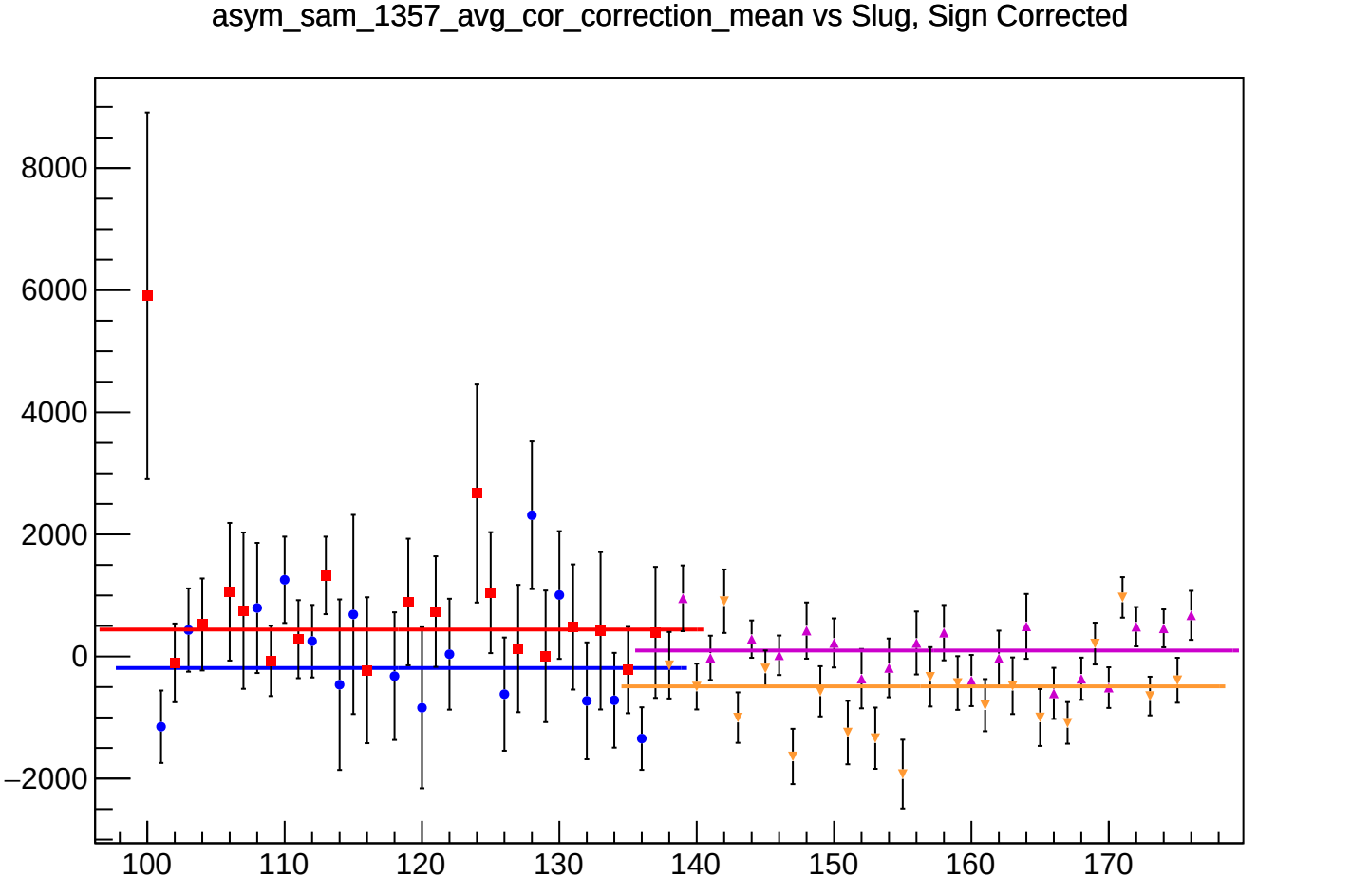
Left: 49.021+/-0.006 χ^2/NDF: 443984.4/38

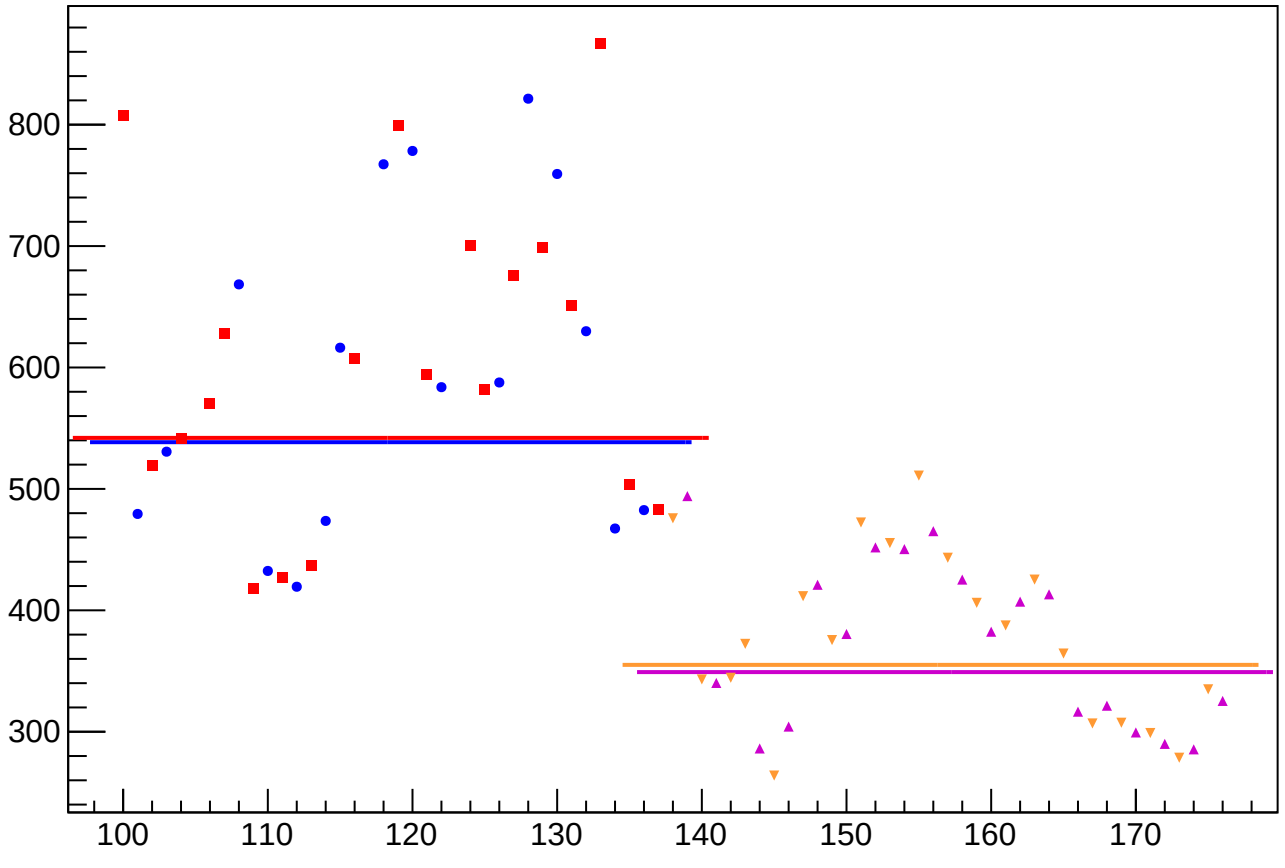
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.964+/-0.008 χ^2/NDF:811316.1/34

Out: 49.676+/-0.007 χ^2/NDF:893093.0/38

All: 49.817+/-0.005 χ^2/NDF: 1705152.3/73


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -489.002+/-90.991 χ²/NDF:56.8/19
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: 97.716+/-90.281 χ²/NDF:20.2/18
Left: -193.345+/-64.088 χ²/NDF: 97.9/38
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: 51.523+/-82.677 χ²/NDF:43.2/34
Out: -334.793+/-83.107 χ²/NDF:85.0/38
All: -140.632+/-58.613 χ²/NDF: 139.0/73



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

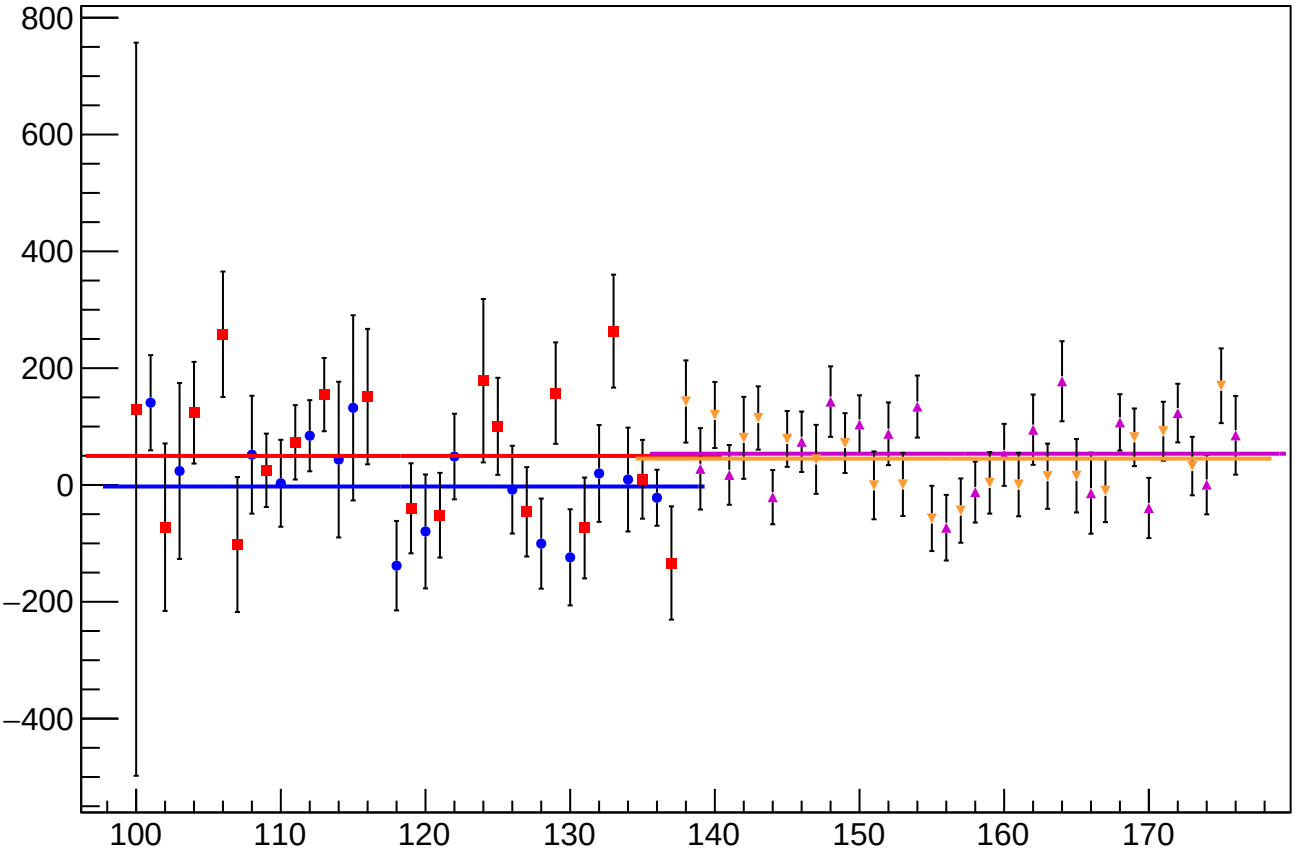
Left: 352.073+/-0.045 χ^2/NDF: 2048276.6/38

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.676+/-0.058 χ^2/NDF:3001366.6/34

Out: 386.067+/-0.059 χ^2/NDF:3107560.8/38

All: 382.855+/-0.041 χ^2/NDF: 6114871.3/73



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 45.148+/-12.382 χ^2/NDF:21.8/19

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

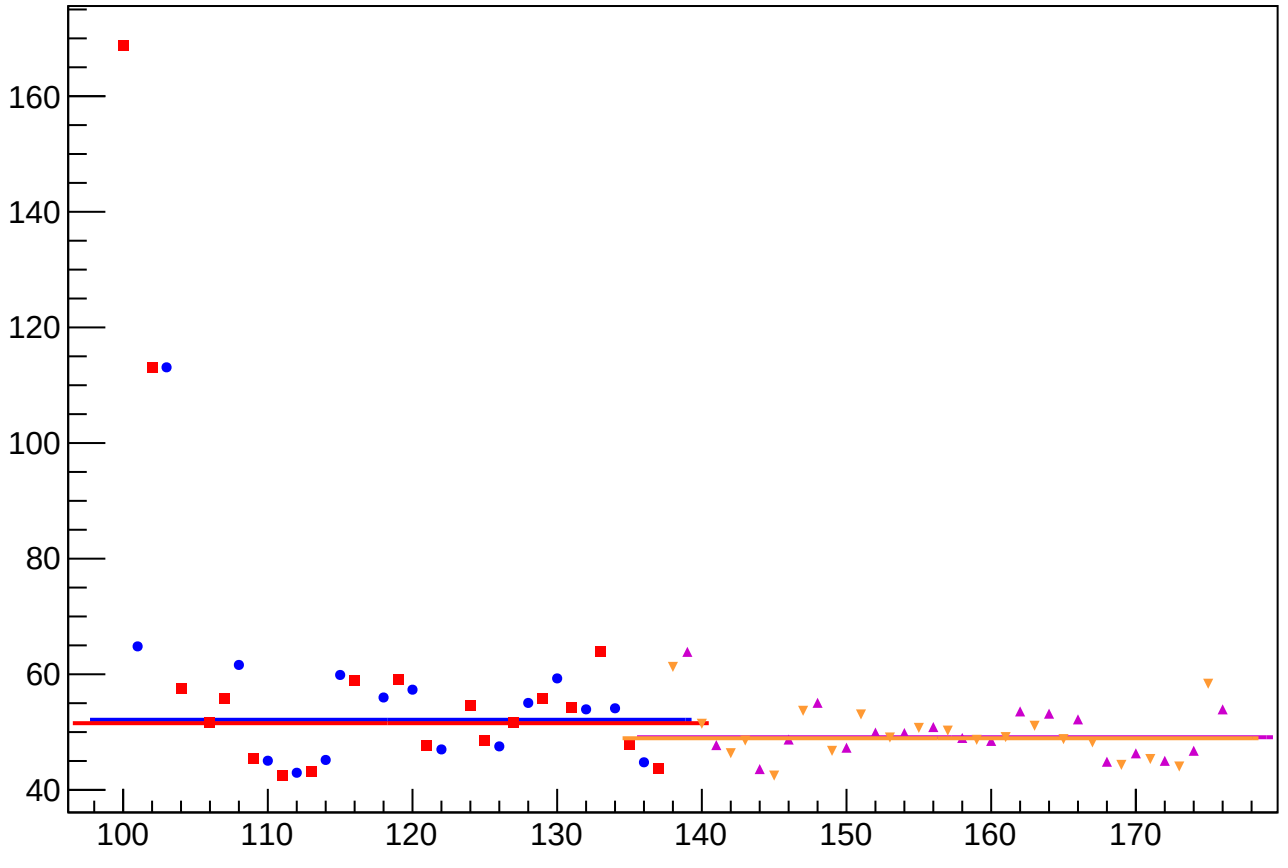
Left: 49.291+/-8.816 χ^2/NDF: 50.3/38

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.668+/-10.632 χ^2/NDF:48.6/34

Out: 46.443+/-10.471 χ^2/NDF:51.1/38

All: 42.122+/-7.461 χ^2/NDF: 100.0/73



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.934+/-0.009 χ^2/NDF:228081.0/19

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

Left: 49.021+/-0.006 χ^2/NDF: 443984.4/38

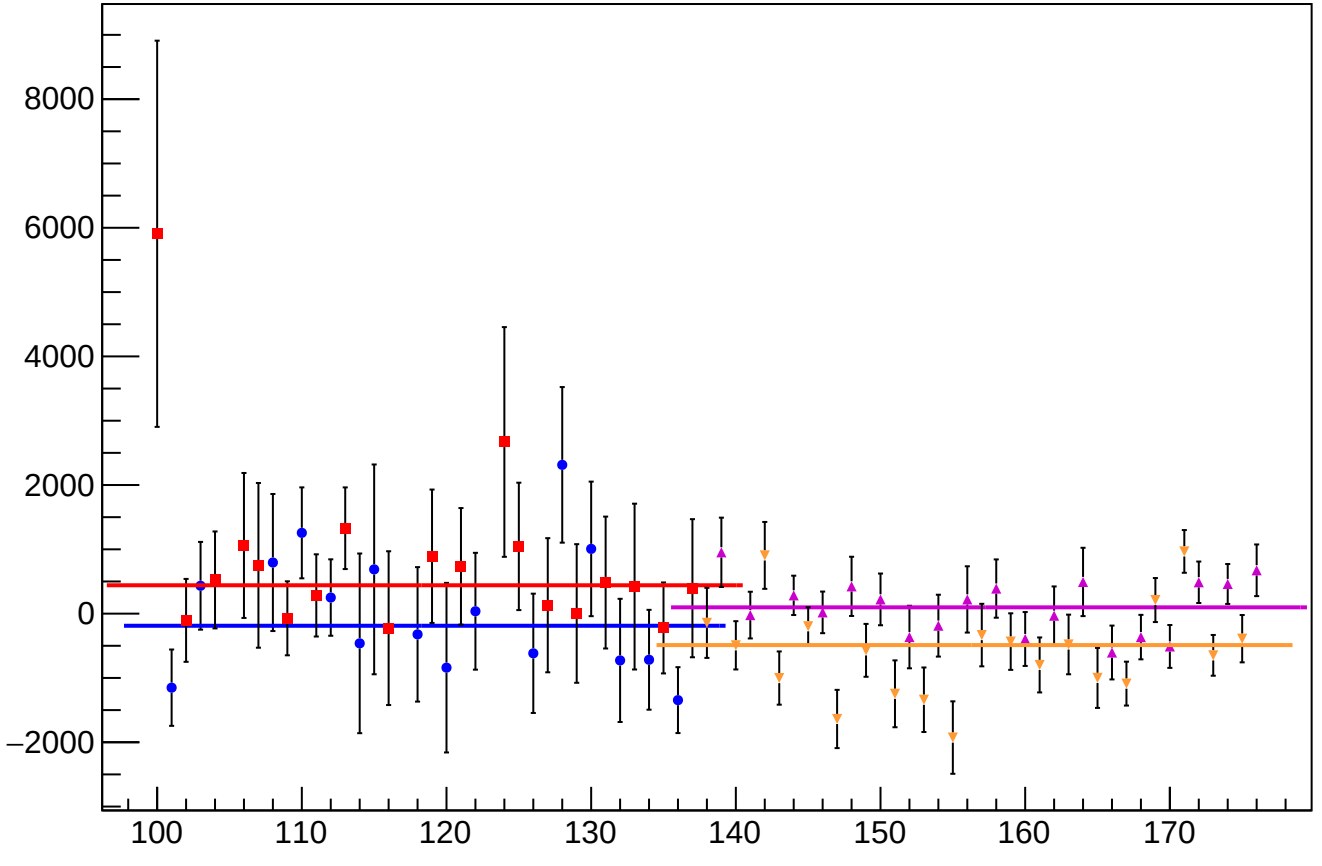
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.964+/-0.008 χ^2/NDF:811316.1/34

Out: 49.676+/-0.007 χ^2/NDF:893093.0/38

All: 49.817+/-0.005 χ^2/NDF: 1705152.3/73

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: -489.002+/-90.991 χ^2/NDF:56.8/19

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 97.716+/-90.281 χ^2/NDF:20.2/18

Left: -193.345+/-64.088 χ^2/NDF: 97.9/38

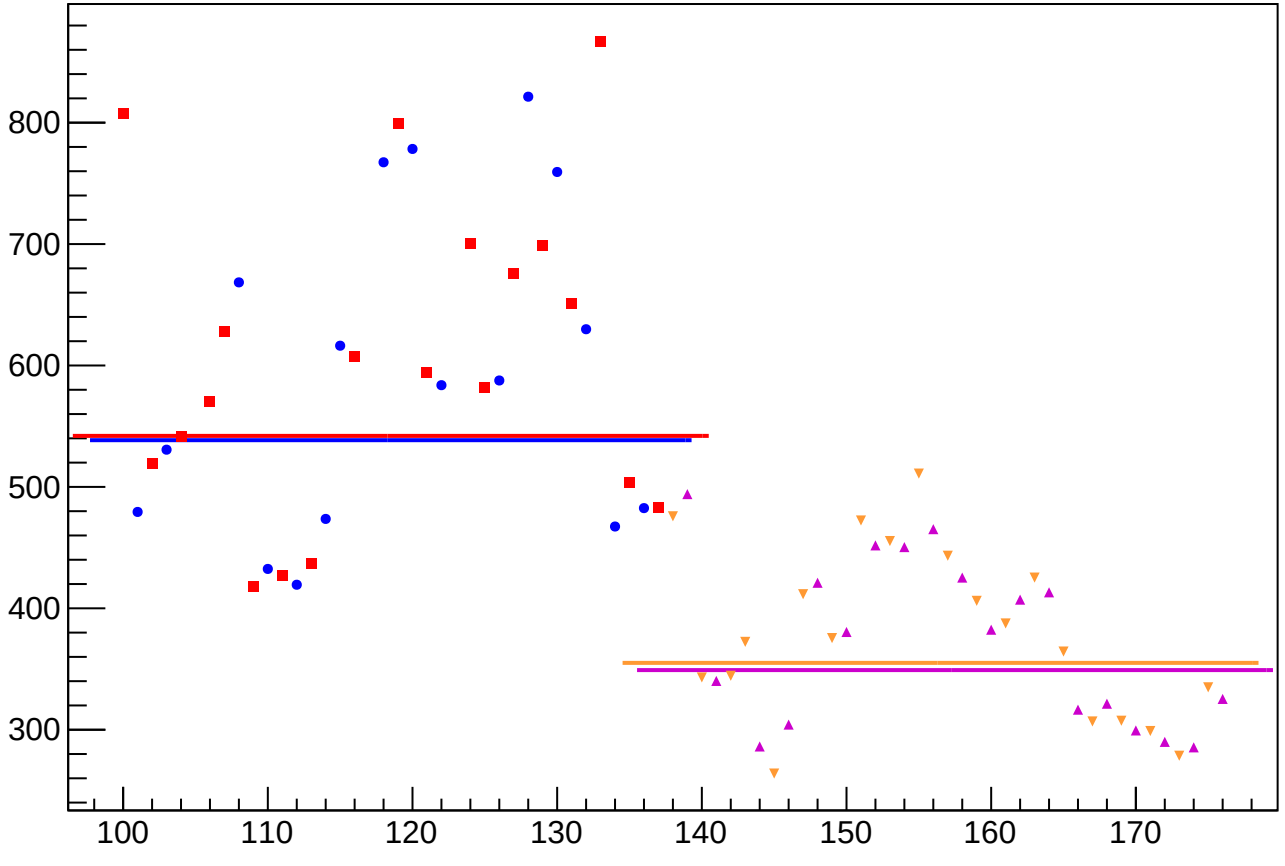
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.523+/-82.677 χ^2/NDF:43.2/34

Out: -334.793+/-83.107 χ^2/NDF:85.0/38

All: -140.632+/-58.613 χ^2/NDF: 139.0/73

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.073+/-0.064 χ^2/NDF:1076291.8/19

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

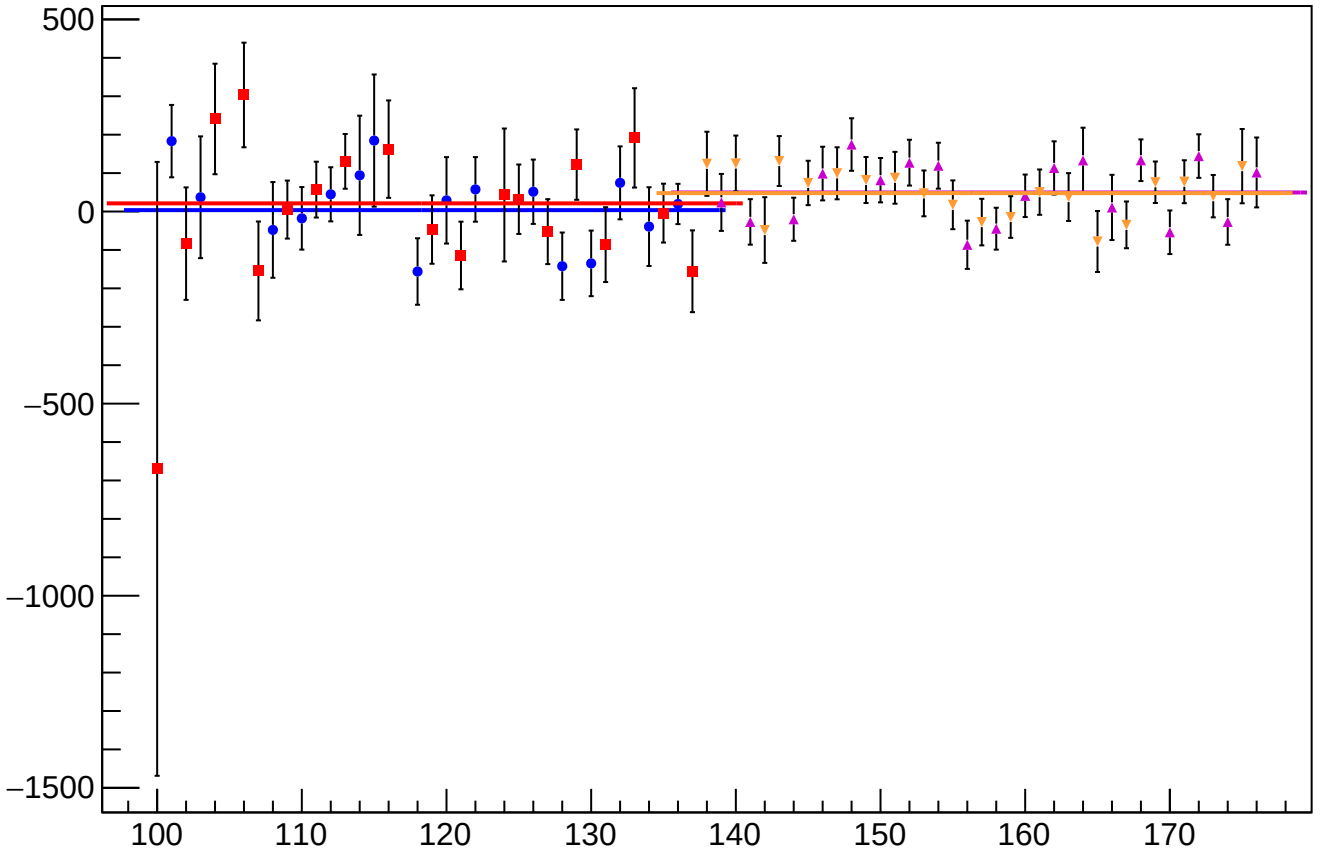
Left: 352.073+/-0.045 χ^2/NDF: 2048276.6/38

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.676+/-0.058 χ^2/NDF:3001366.6/34

Out: 386.067+/-0.059 χ^2/NDF:3107560.8/38

All: 382.855+/-0.041 χ^2/NDF: 6114871.3/73



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.941+/-14.228 χ^2/NDF:14.9/19

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.526+/-14.381 χ^2/NDF:30.8/18

Left: 48.725+/-10.114 χ^2/NDF: 45.7/38

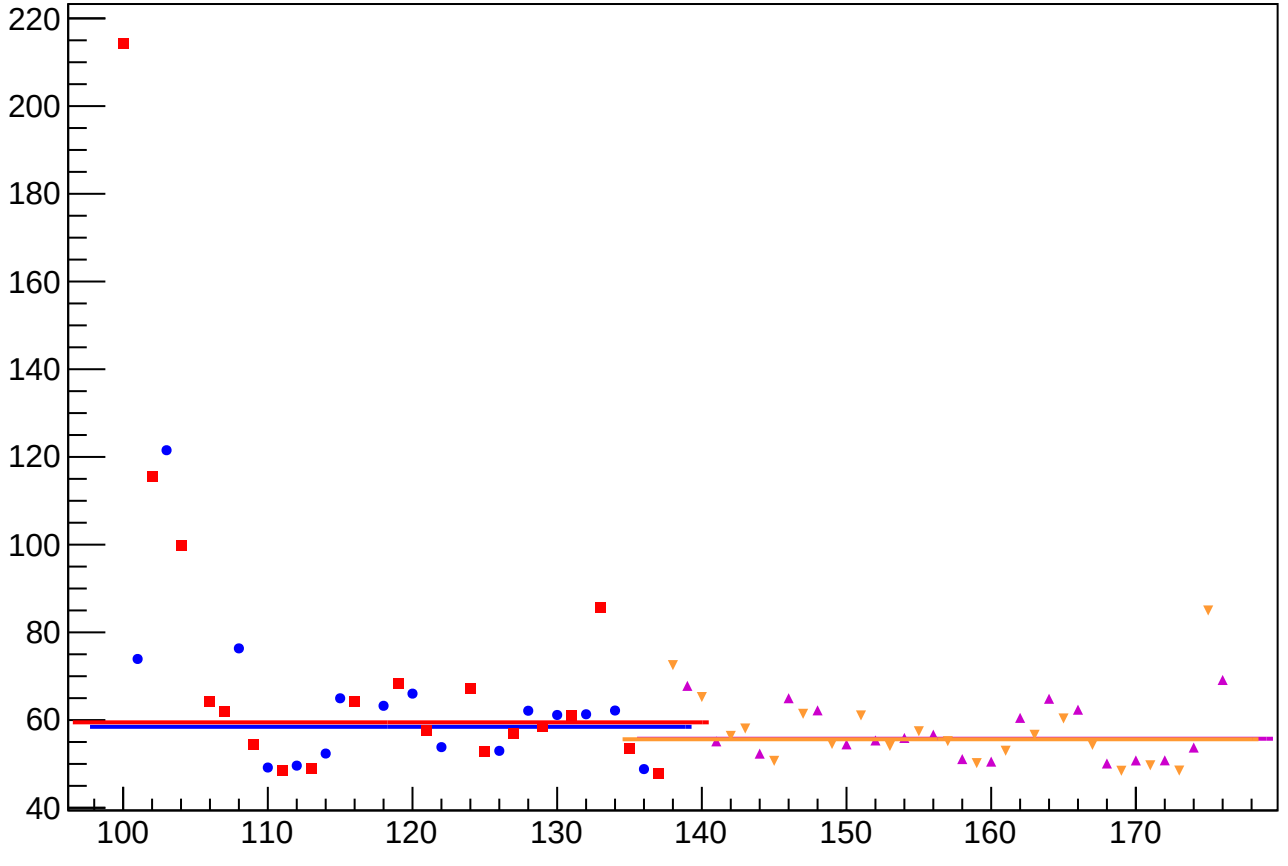
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.187+/-12.115 χ^2/NDF:49.9/34

Out: 40.447+/-12.066 χ^2/NDF:40.3/38

All: 38.326+/-8.549 χ^2/NDF: 90.3/73

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.625+/-0.010 χ^2/NDF:474814.5/19

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.744+/-0.010 χ^2/NDF:289434.6/18

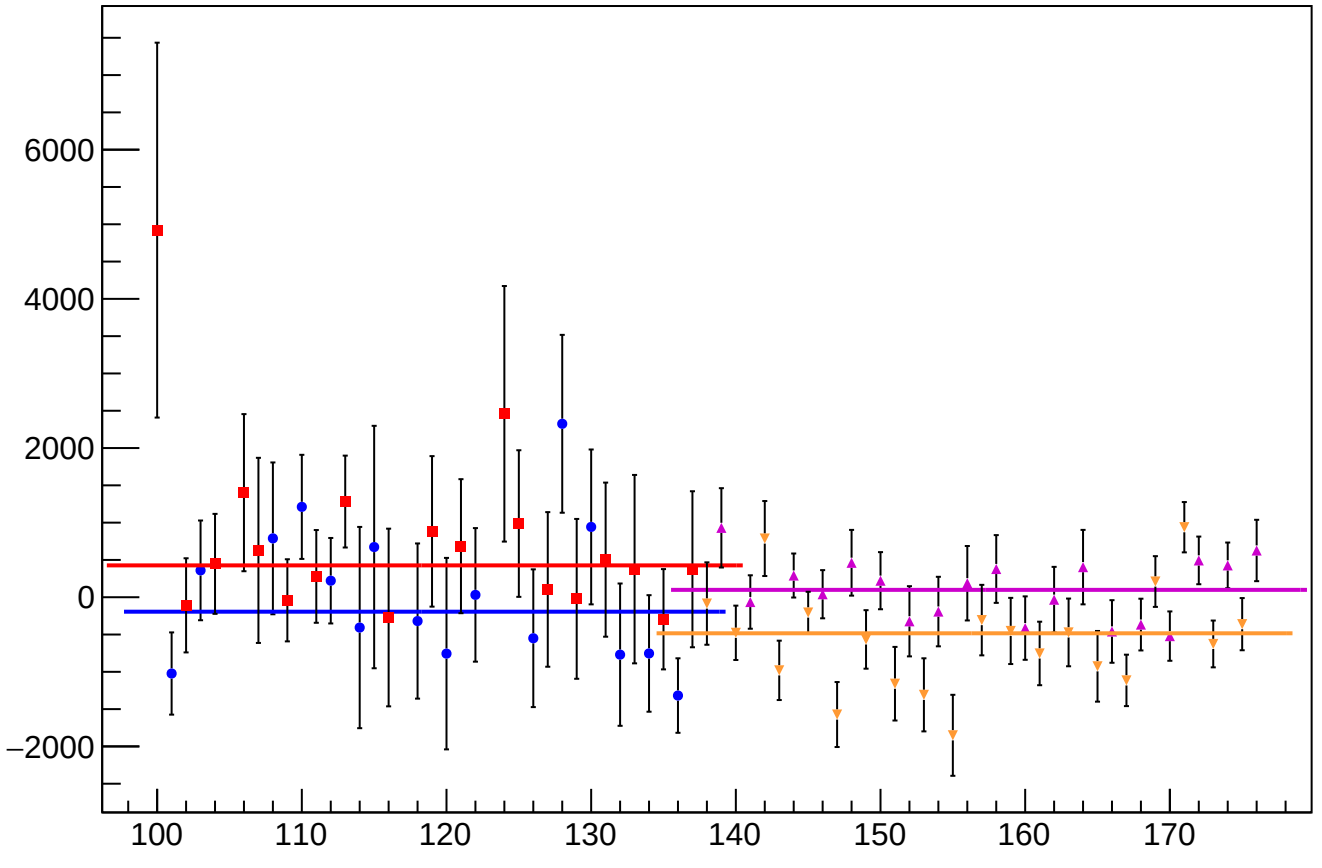
Left: 55.684+/-0.007 χ^2/NDF: 764318.3/38

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.535+/-0.009 χ^2/NDF:893210.5/34

Out: 56.709+/-0.009 χ^2/NDF:1301002.3/38

All: 56.622+/-0.006 χ^2/NDF: 2194421.0/73



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -483.455+/-89.077 χ^2/NDF:53.9/19

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 98.809+/-88.885 χ^2/NDF:18.8/18

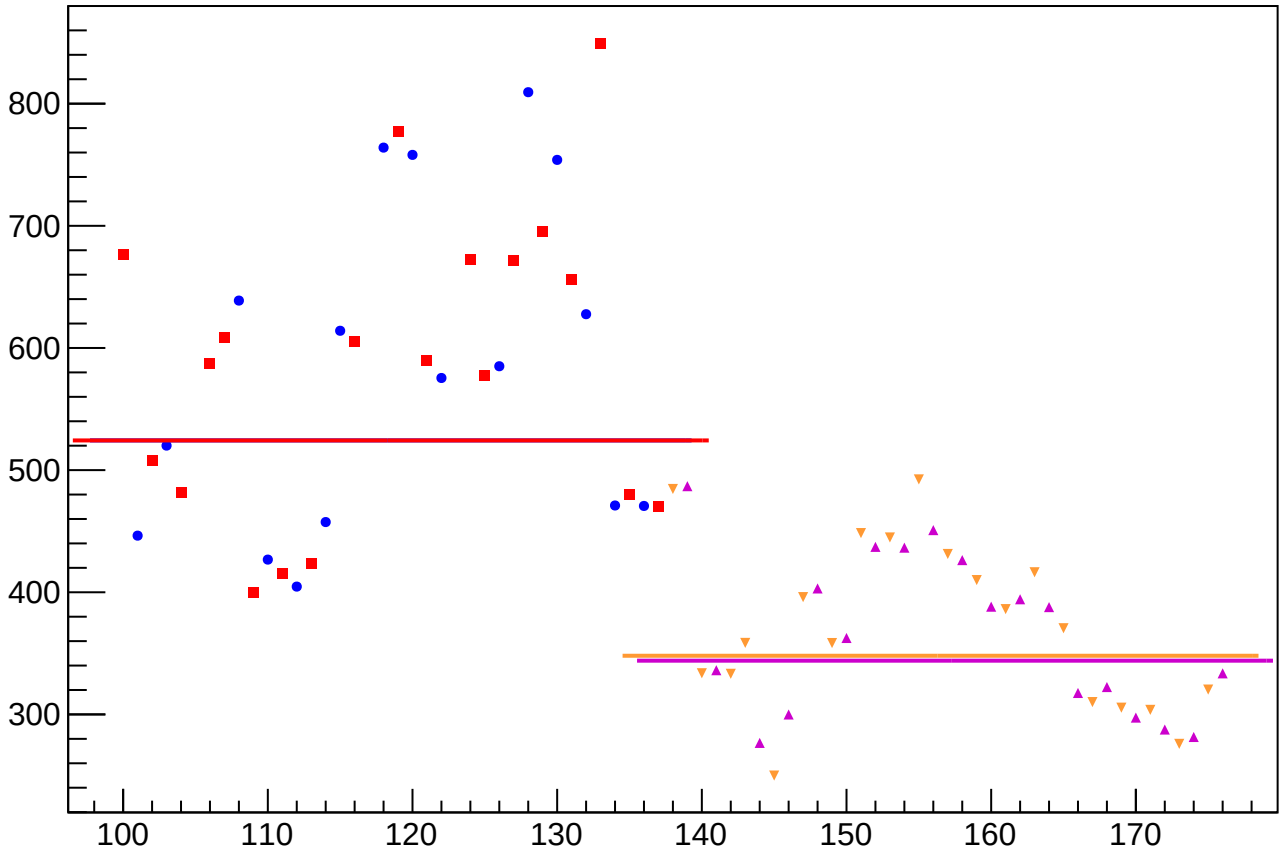
Left: -191.695+/-62.919 χ^2/NDF: 94.1/38

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 50.774+/-81.265 χ^2/NDF:41.4/34

Out: -328.918+/-81.165 χ^2/NDF:82.9/38

All: -139.304+/-57.428 χ^2/NDF: 135.2/73



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 348.036+/-0.063 χ^2/NDF:1080786.0/19

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 343.999+/-0.063 χ^2/NDF:907462.1/18

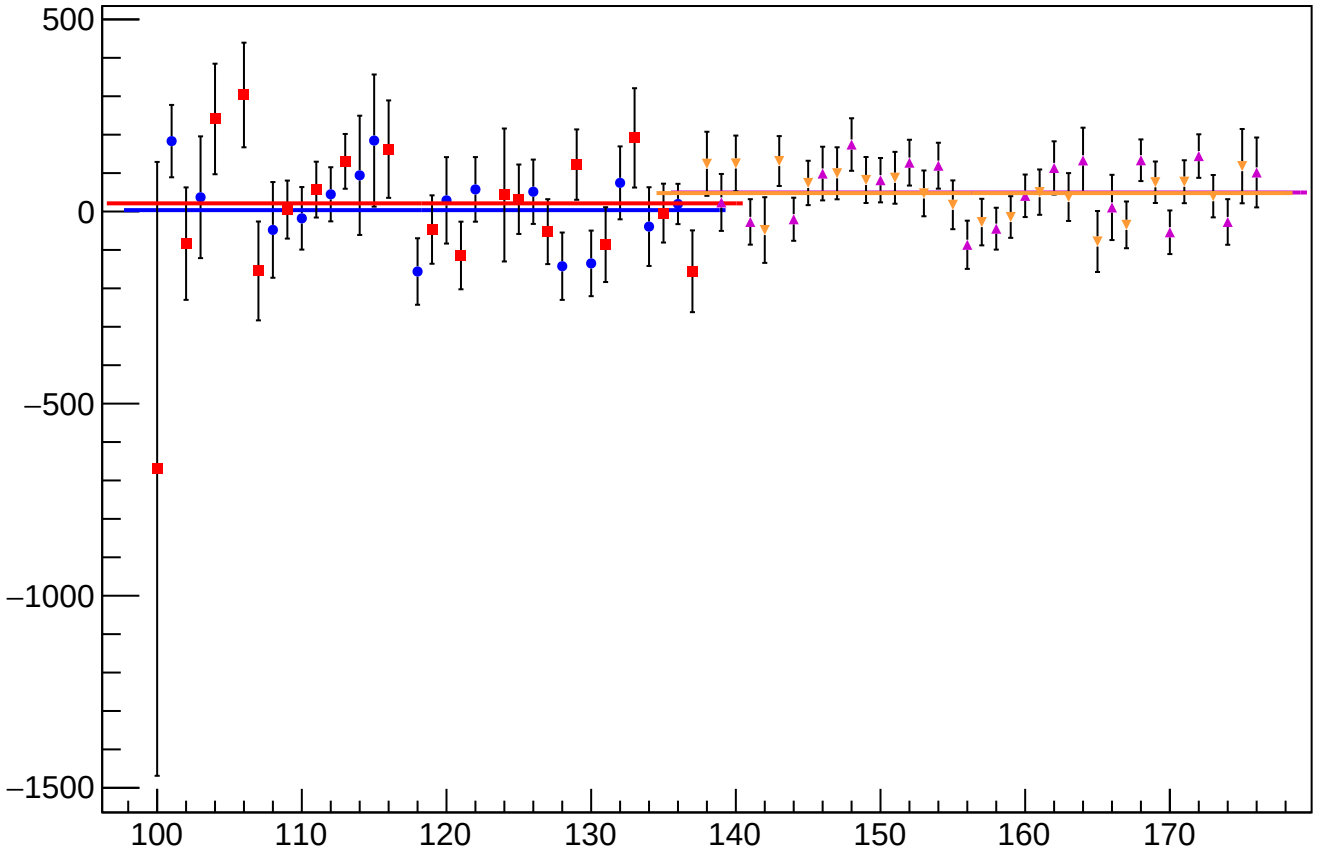
Left: 346.013+/-0.044 χ^2/NDF: 1990306.3/38

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 373.592+/-0.057 χ^2/NDF:2916860.6/34

Out: 377.956+/-0.057 χ^2/NDF:3096227.0/38

All: 375.777+/-0.041 χ^2/NDF: 6015975.2/73



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.942+/-14.228 χ^2/NDF:14.9/19

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.525+/-14.382 χ^2/NDF:30.8/18

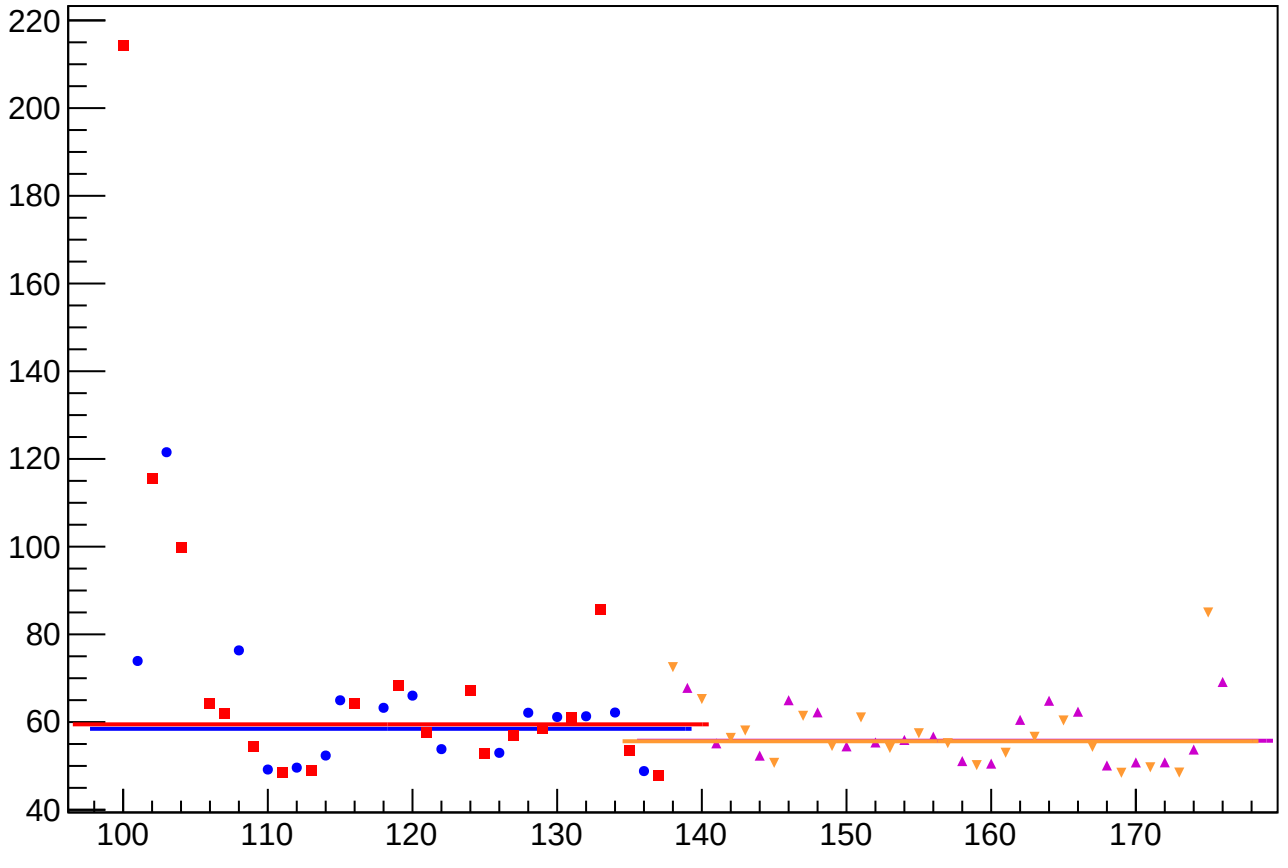
Left: 48.725+/-10.115 χ^2/NDF: 45.7/38

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.187+/-12.115 χ^2/NDF:49.9/34

Out: 40.446+/-12.066 χ^2/NDF:40.3/38

All: 38.325+/-8.549 χ^2/NDF: 90.3/73



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.626+/-0.010 χ^2/NDF:474818.8/19

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.745+/-0.010 χ^2/NDF:289431.9/18

Left: 55.685+/-0.007 χ^2/NDF: 764319.8/38

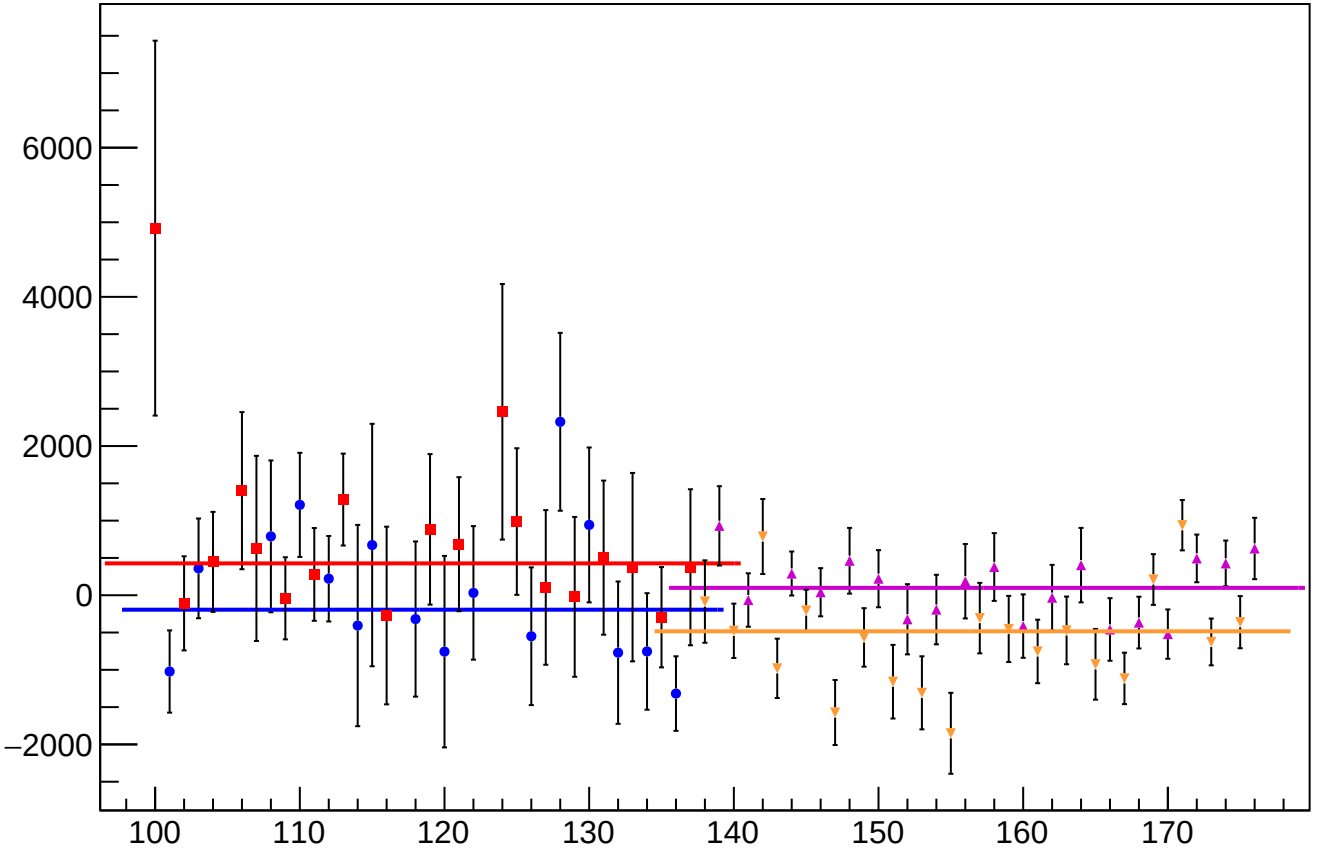
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.535+/-0.009 χ^2/NDF:893203.7/34

Out: 56.709+/-0.009 χ^2/NDF:1301006.4/38

All: 56.622+/-0.006 χ^2/NDF: 2194418.3/73

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: -483.455+/-89.077 χ^2/NDF:53.9/19

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 98.809+/-88.884 χ^2/NDF:18.8/18

Left: -191.695+/-62.919 χ^2/NDF: 94.1/38

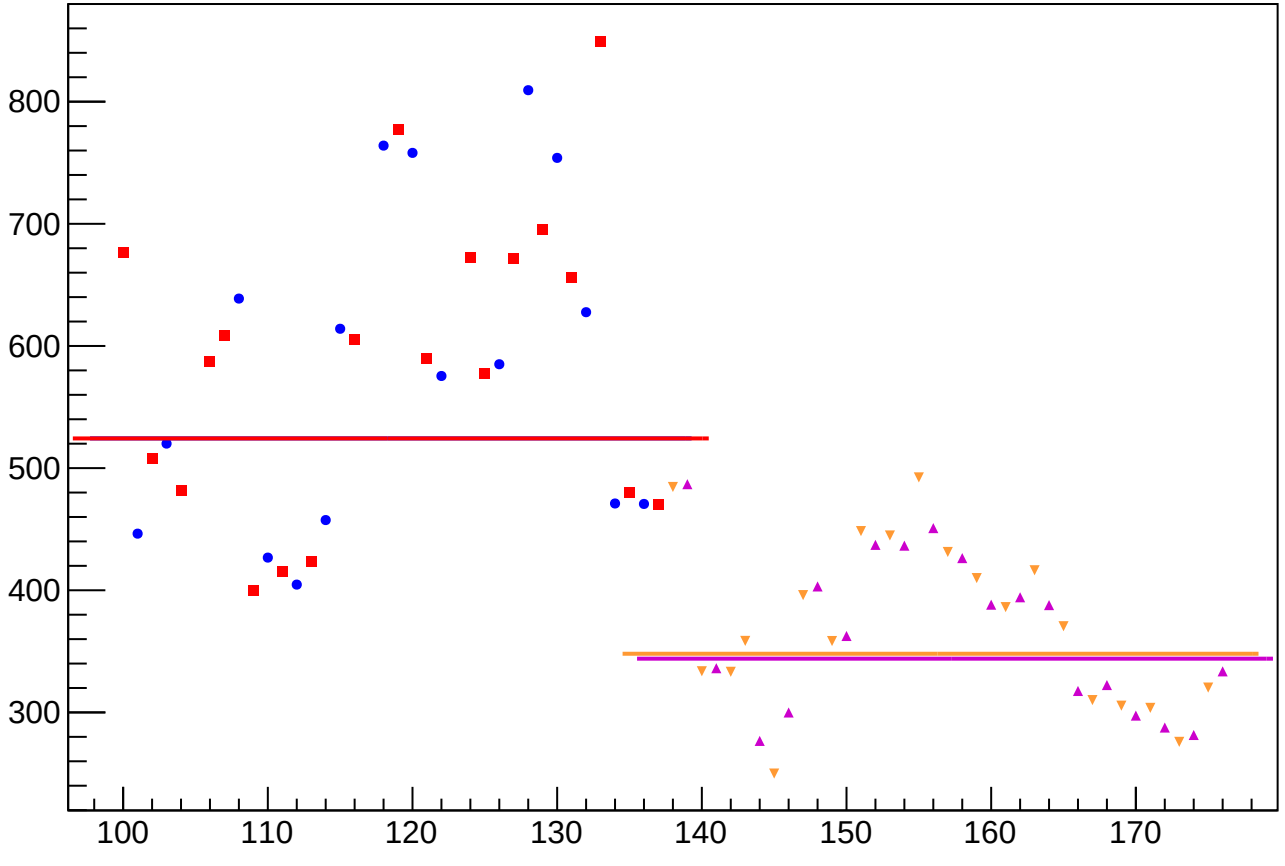
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 50.773+/-81.265 χ^2/NDF:41.4/34

Out: -328.917+/-81.165 χ^2/NDF:82.9/38

All: -139.304+/-57.428 χ^2/NDF: 135.2/73

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: 348.036+/-0.063 χ^2/NDF:1080780.7/19

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 343.999+/-0.063 χ^2/NDF:907455.0/18

Left: 346.013+/-0.044 χ^2/NDF: 1990293.9/38

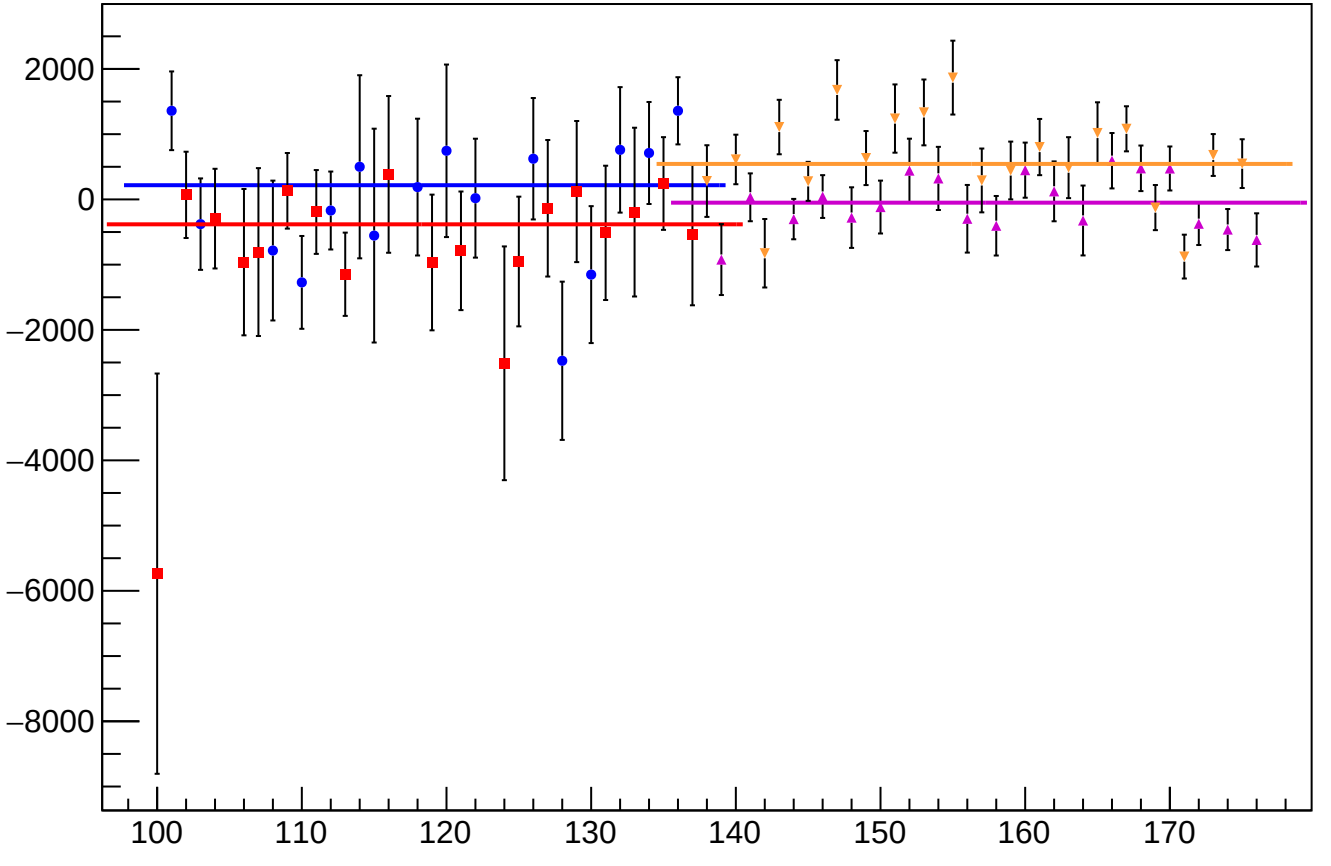
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 373.592+/-0.057 χ^2/NDF:2916850.2/34

Out: 377.956+/-0.057 χ^2/NDF:3096216.6/38

All: 375.776+/-0.041 χ^2/NDF: 6015954.4/73

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.921+/-91.917 χ^2/NDF:51.5/19

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -50.126+/-91.239 χ^2/NDF:19.5/18

Left: 244.697+/-64.754 χ^2/NDF: 92.1/38

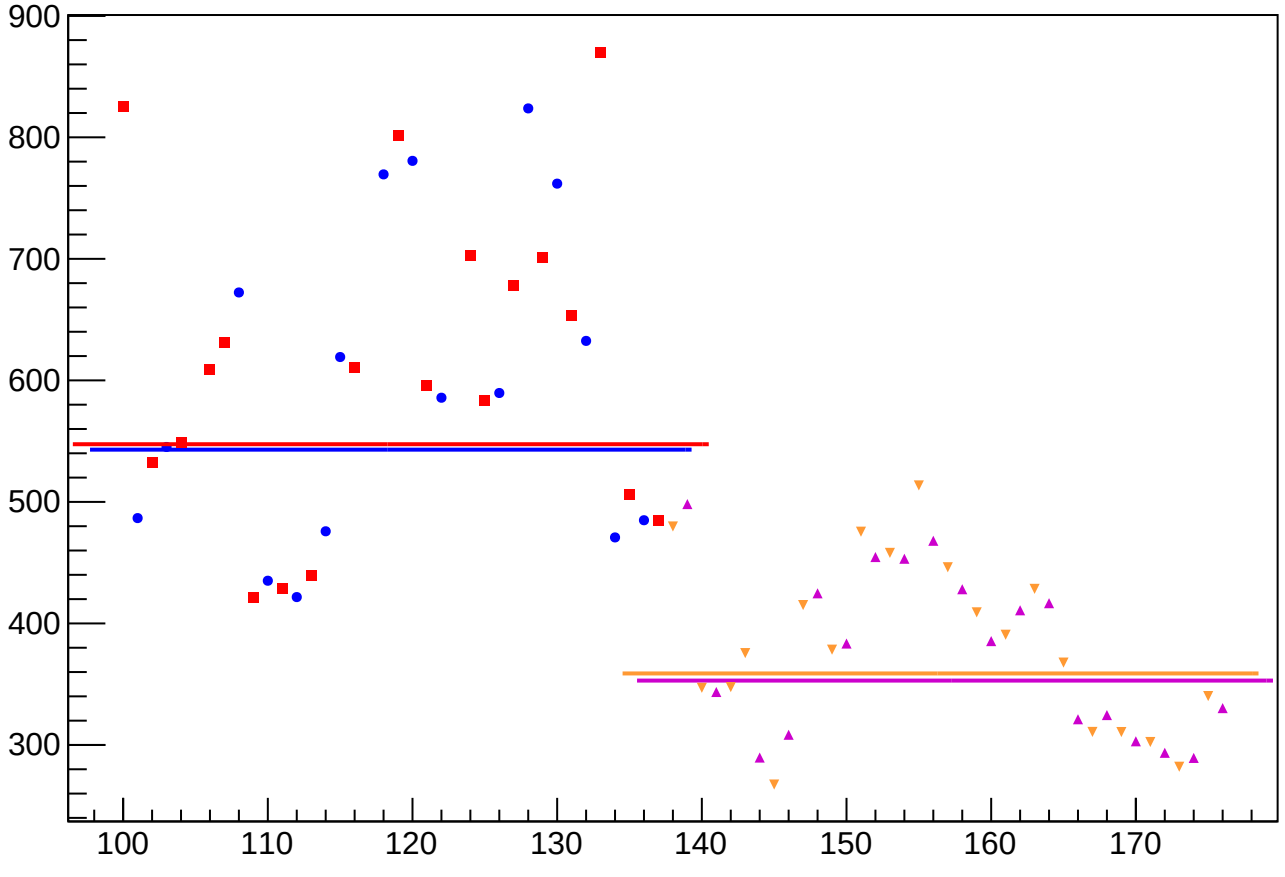
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -6.722+/-83.521 χ^2/NDF:43.8/34

Out: 389.693+/-83.912 χ^2/NDF:78.4/38

All: 190.559+/-59.196 χ^2/NDF: 133.4/73

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 358.847+/-0.065 χ^2/NDF:1050125.1/19

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 352.978+/-0.065 χ^2/NDF:943224.1/18

Left: 355.890+/-0.046 χ^2/NDF: 1997456.3/38

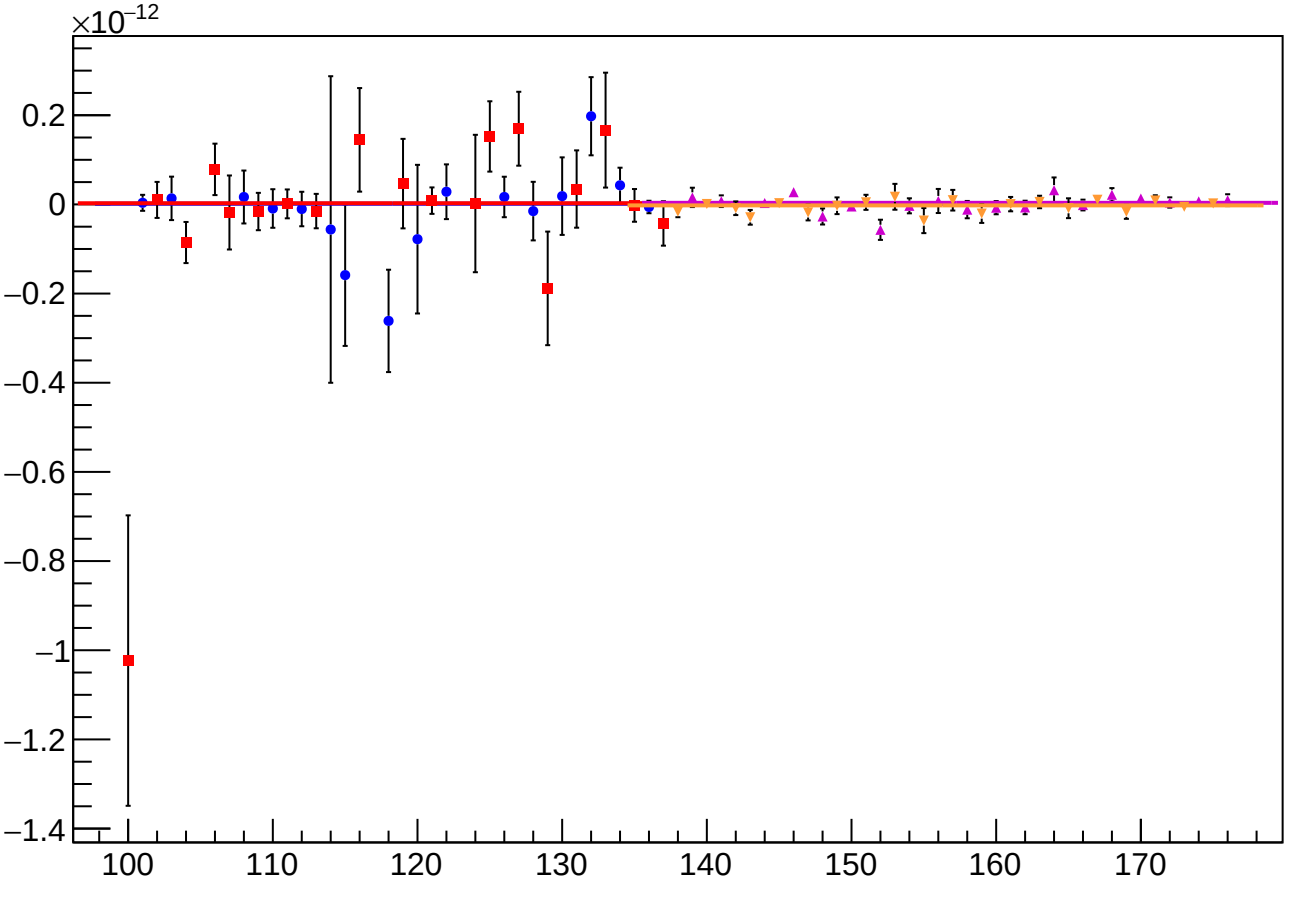
Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 383.766+/-0.059 χ^2/NDF:2954052.7/34

Out: 390.270+/-0.059 χ^2/NDF:3083441.6/38

All: 387.003+/-0.042 χ^2/NDF: 6043529.6/73

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/18

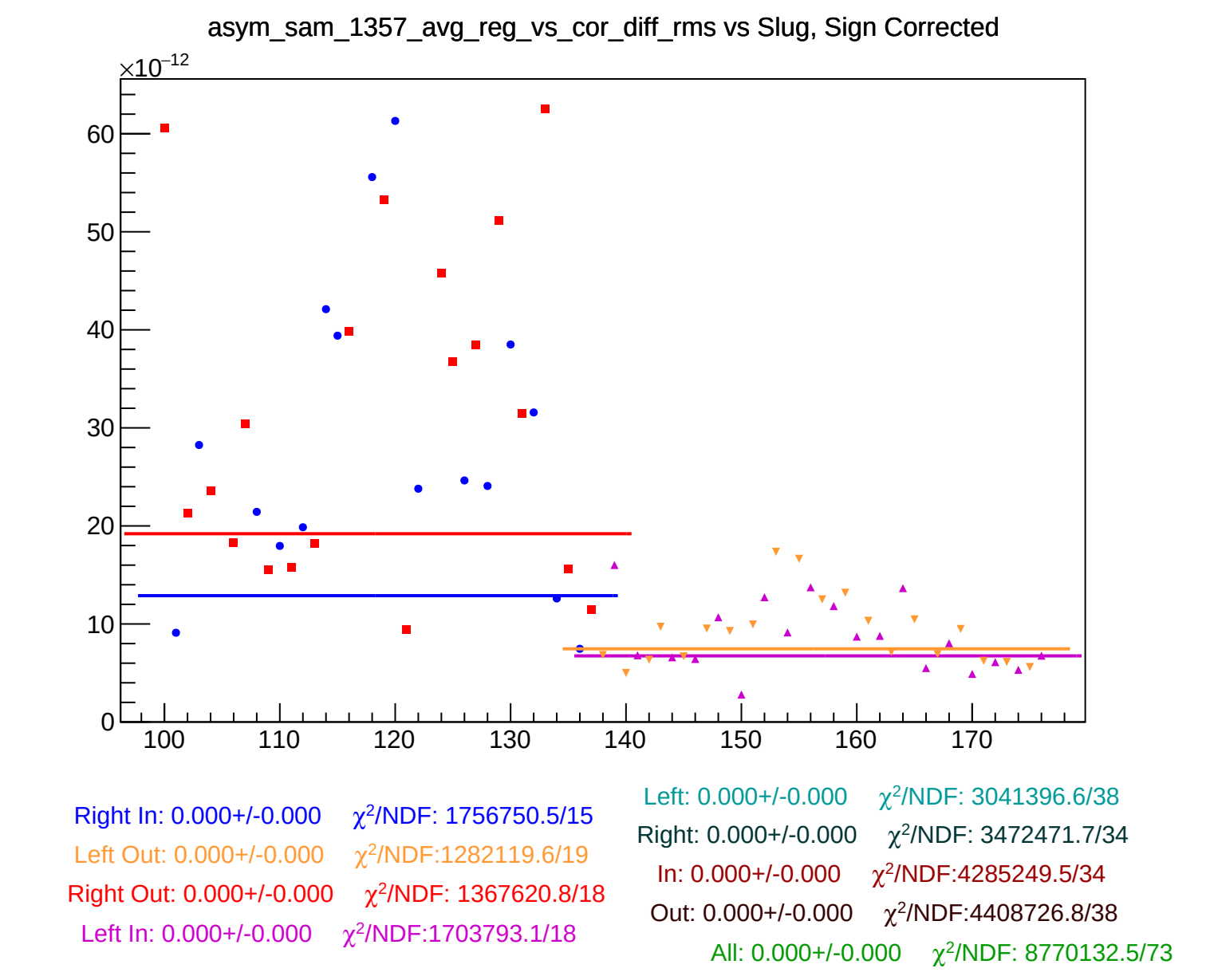
Left: 0.000+/-0.000 χ^2/NDF: 35.4/38

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

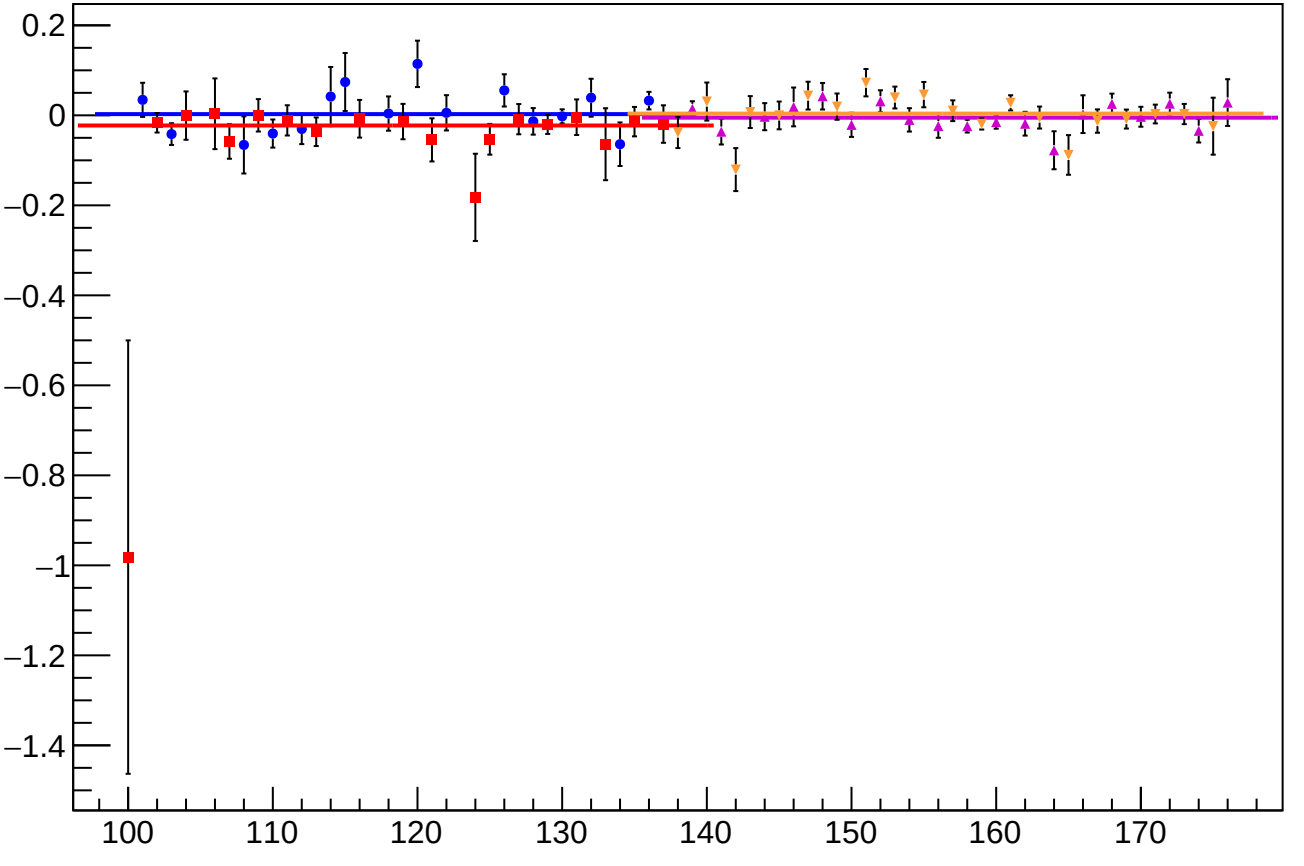
In: 0.000+/-0.000 χ^2/NDF:35.2/34

Out: -0.000+/-0.000 χ^2/NDF:42.3/38

All: 0.000+/-0.000 χ^2/NDF: 79.1/73


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:1282119.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1703793.1/18
Left: 0.000+/-0.000 χ²/NDF: 3041396.6/38
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4285249.5/34
Out: 0.000+/-0.000 χ²/NDF:4408726.8/38
All: 0.000+/-0.000 χ²/NDF: 8770132.5/73

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: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 51.3/38

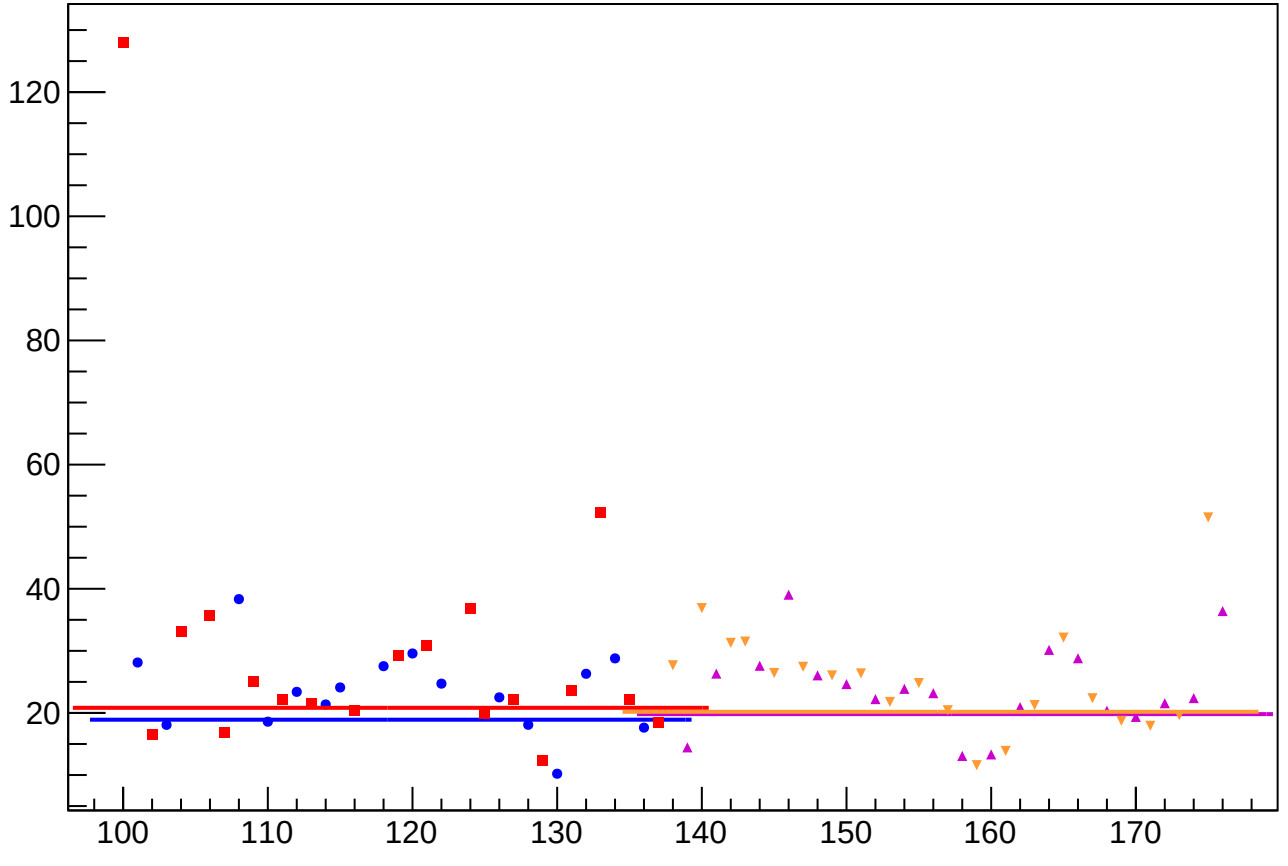
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 90.3/73

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: 20.185+/-0.004 χ^2/NDF:3027232.4/19

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

Left: 19.994+/-0.003 χ^2/NDF: 5408869.0/38

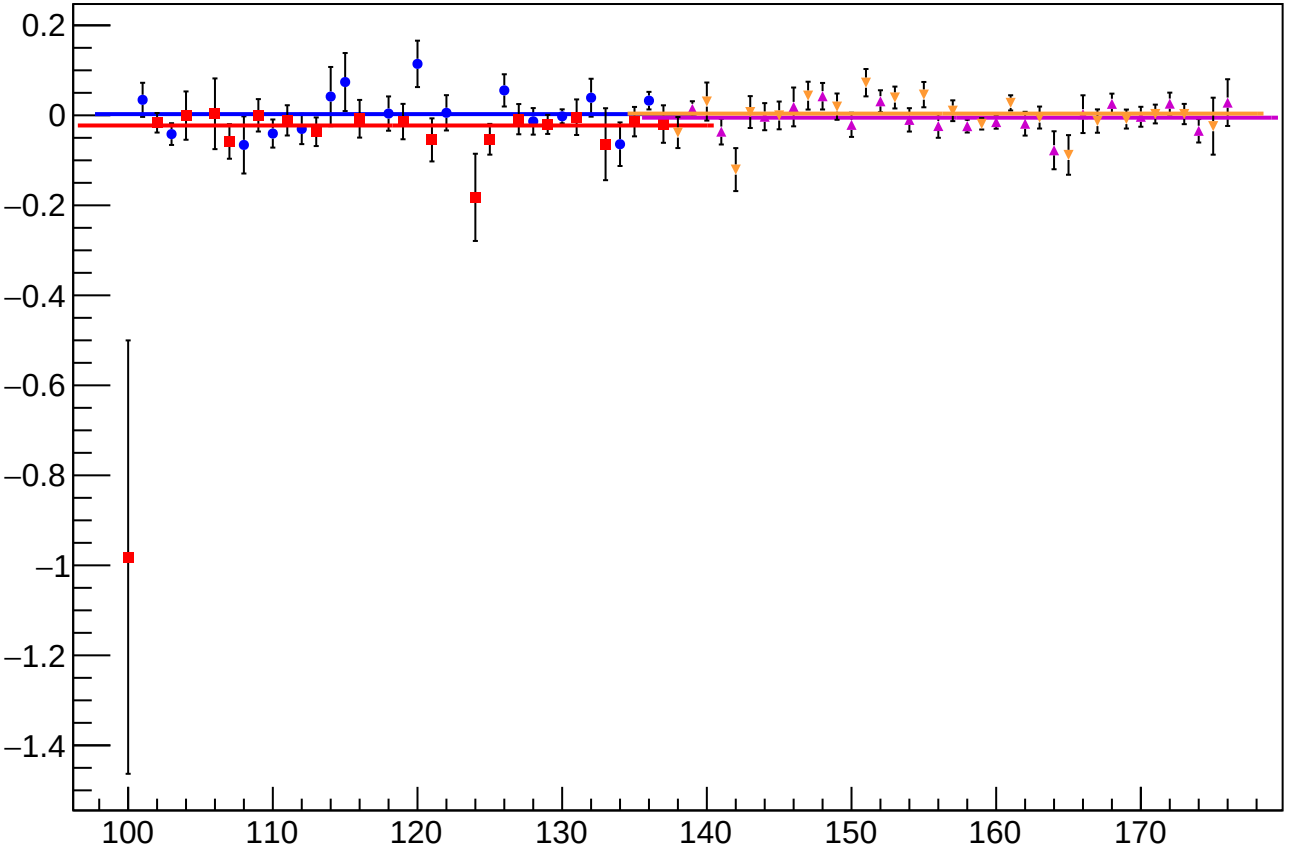
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.511+/-0.003 χ^2/NDF:3785032.1/34

Out: 20.380+/-0.003 χ^2/NDF:4326786.1/38

All: 19.930+/-0.002 χ^2/NDF: 8147877.9/73

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: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 51.3/38

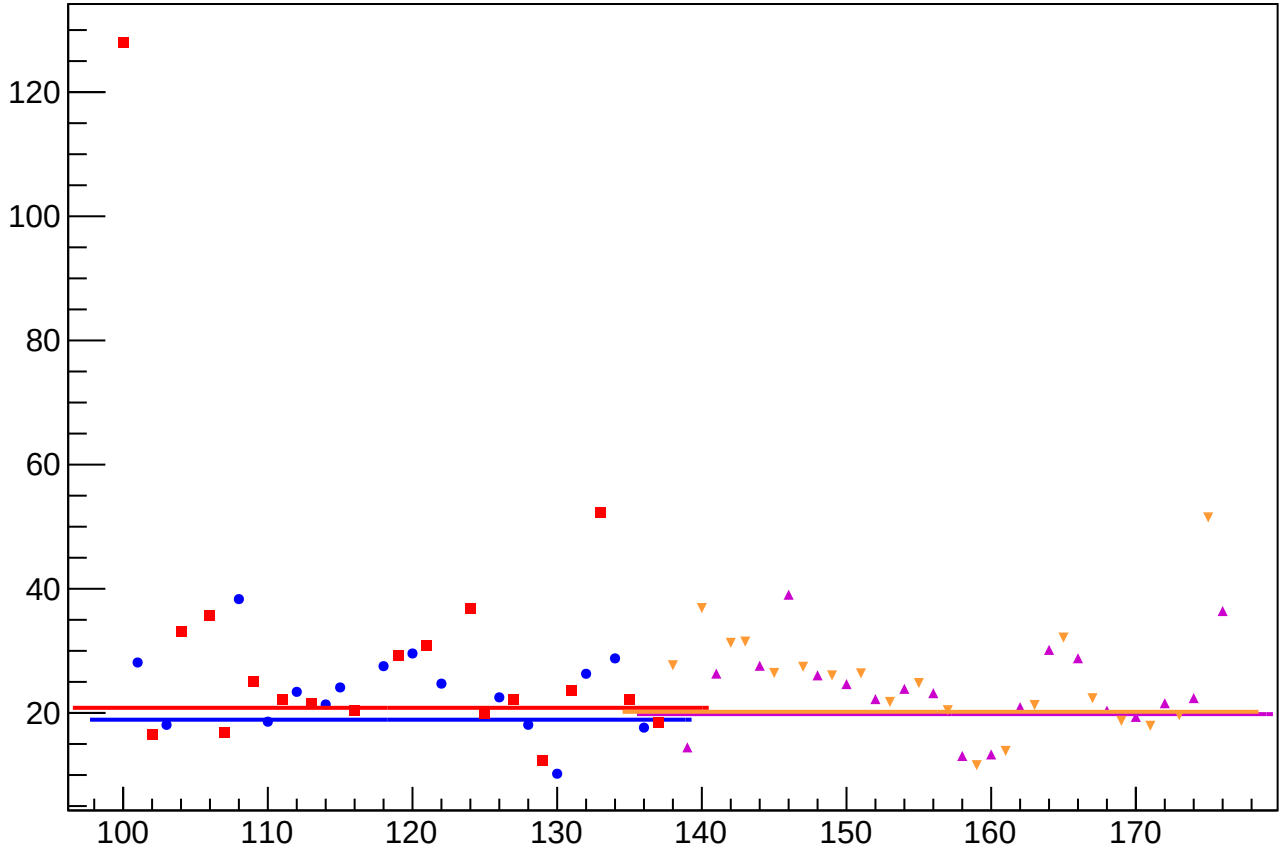
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 90.3/73

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: 20.185+/-0.004 χ^2/NDF:3027232.4/19

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

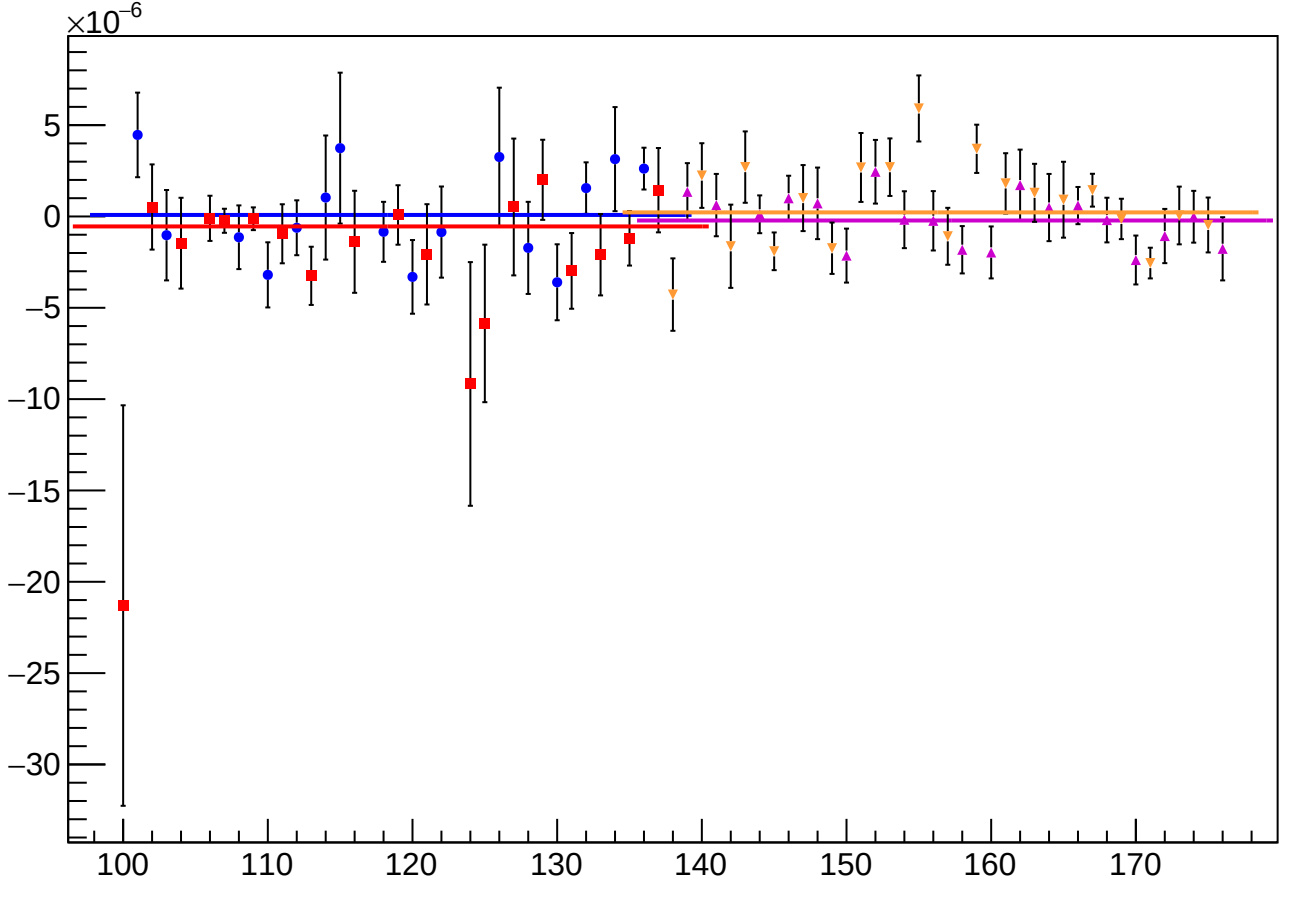
Left: 19.994+/-0.003 χ^2/NDF: 5408869.0/38

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.511+/-0.003 χ^2/NDF:3785032.1/34

Out: 20.380+/-0.003 χ^2/NDF:4326786.1/38

All: 19.930+/-0.002 χ^2/NDF: 8147877.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/18

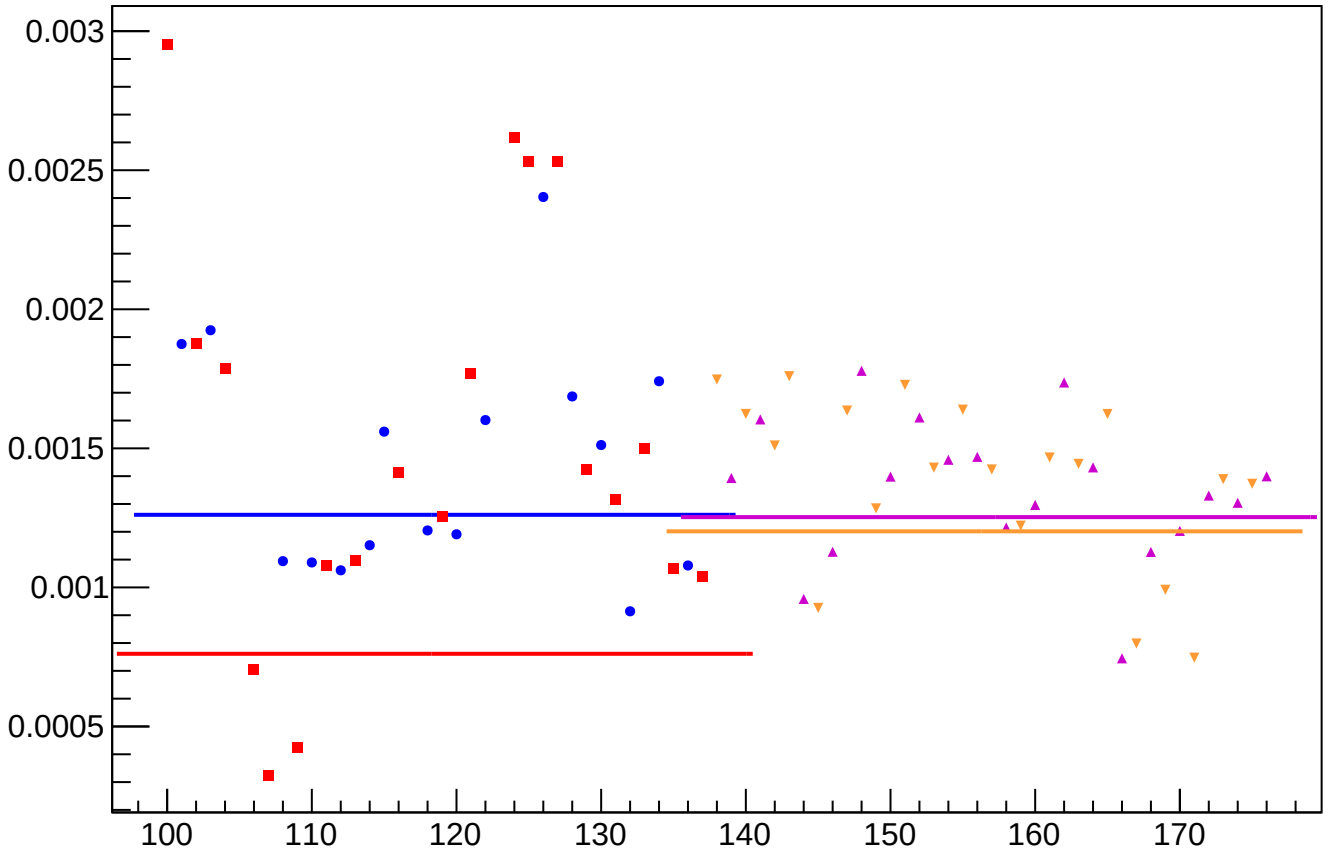
Left: 0.000+/-0.000 χ^2/NDF: 67.5/38

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:39.0/34

Out: -0.000+/-0.000 χ^2/NDF:69.8/38

All: -0.000+/-0.000 χ^2/NDF: 108.8/73



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2380780.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1291457.3/18

Left: 0.001+/-0.000 χ^2/NDF: 3697446.6/38

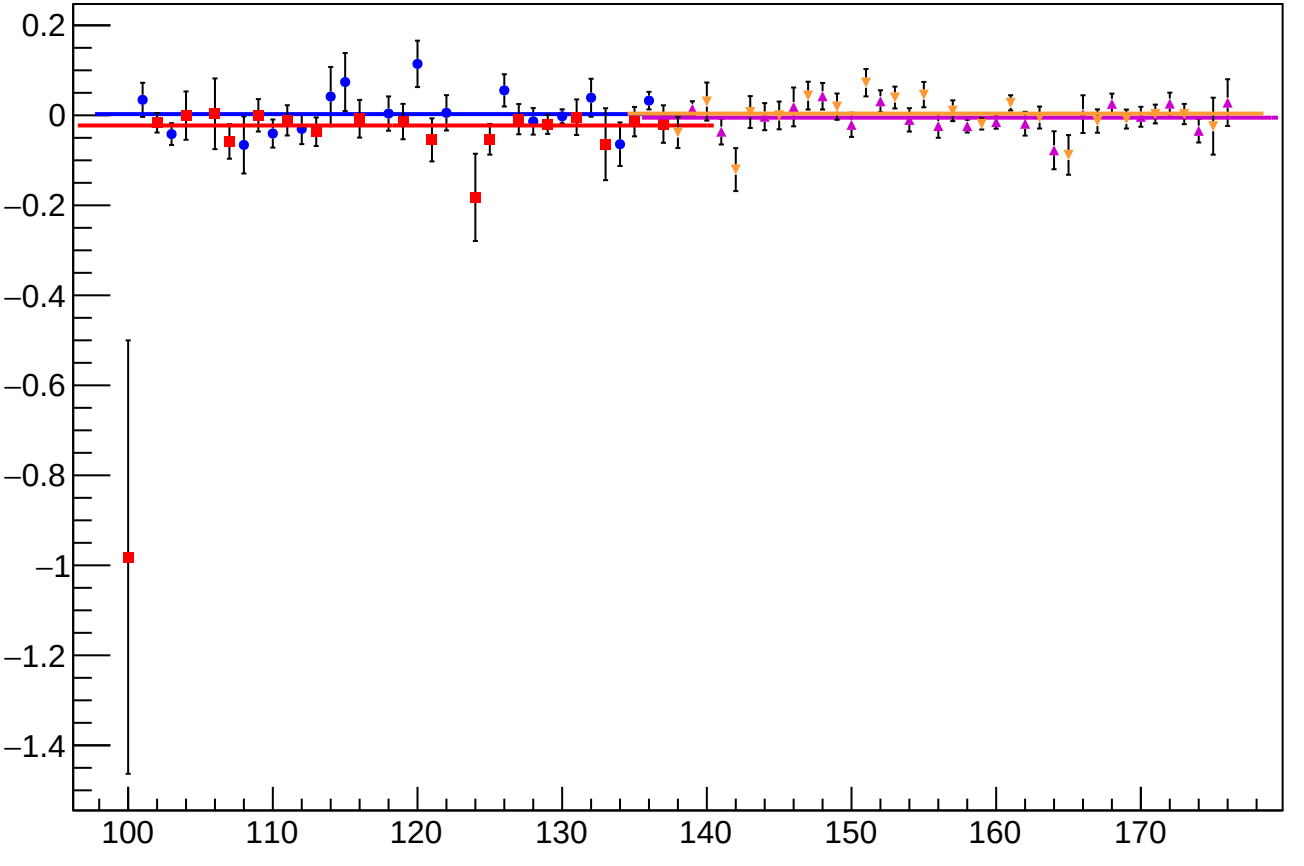
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2199203.6/34

Out: 0.001+/-0.000 χ^2/NDF:8866703.3/38

All: 0.001+/-0.000 χ^2/NDF: 12114653.4/73

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: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 51.3/38

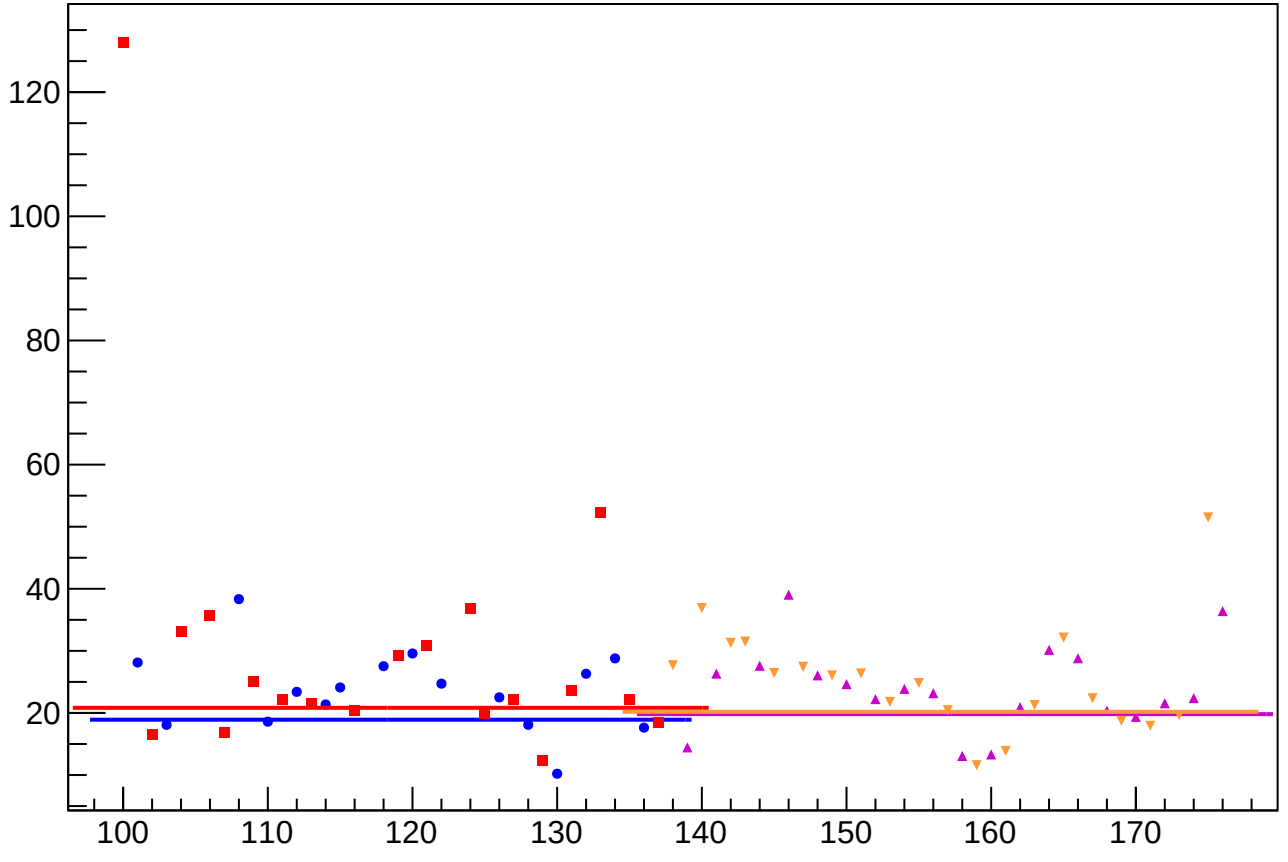
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 90.3/73

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: 20.185+/-0.004 χ^2/NDF:3027421.0/19

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

Left: 19.994+/-0.003 χ^2/NDF: 5409126.4/38

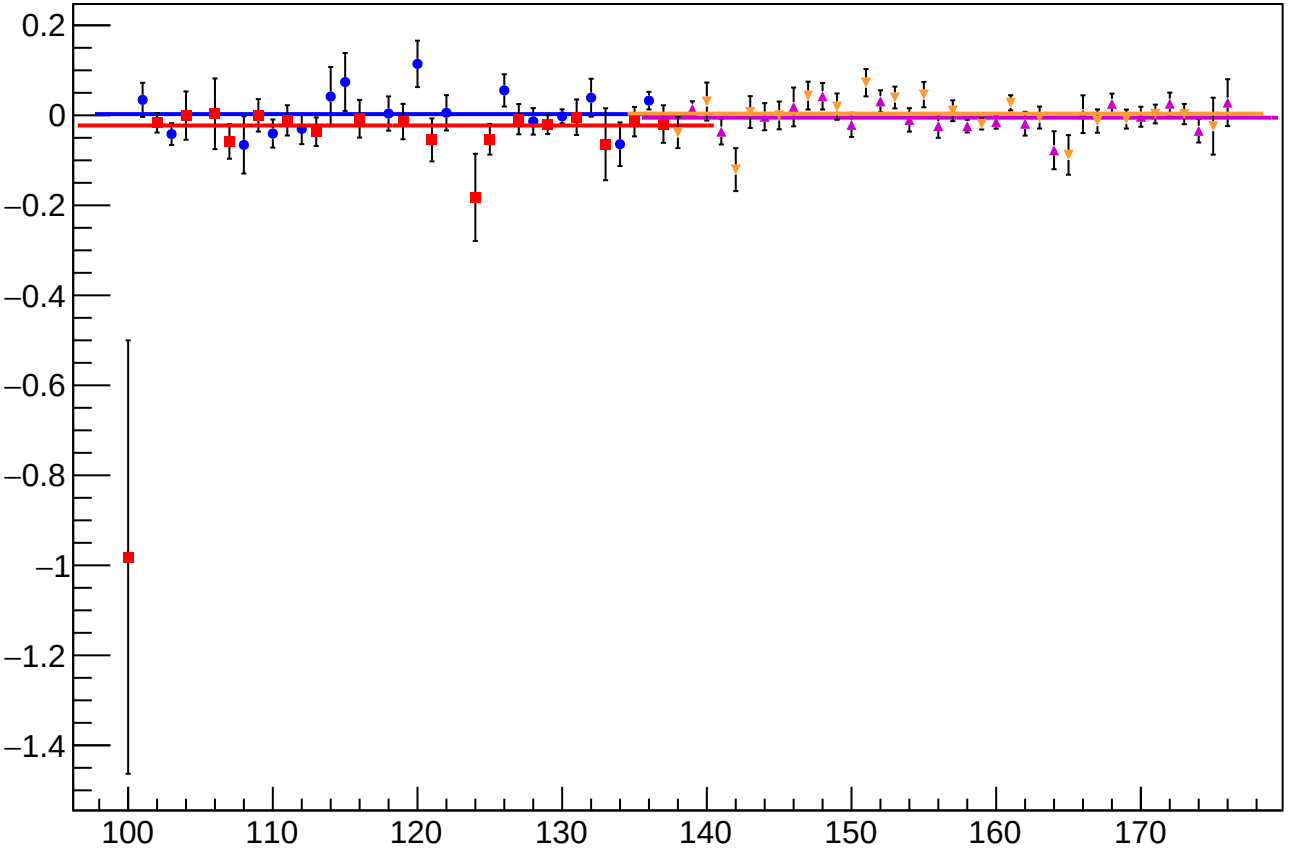
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.511+/-0.003 χ^2/NDF:3784980.6/34

Out: 20.381+/-0.003 χ^2/NDF:4326974.3/38

All: 19.930+/-0.002 χ^2/NDF: 8147999.9/73

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: 0.004+/-0.006 χ^2/NDF:30.9/19

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 51.3/38

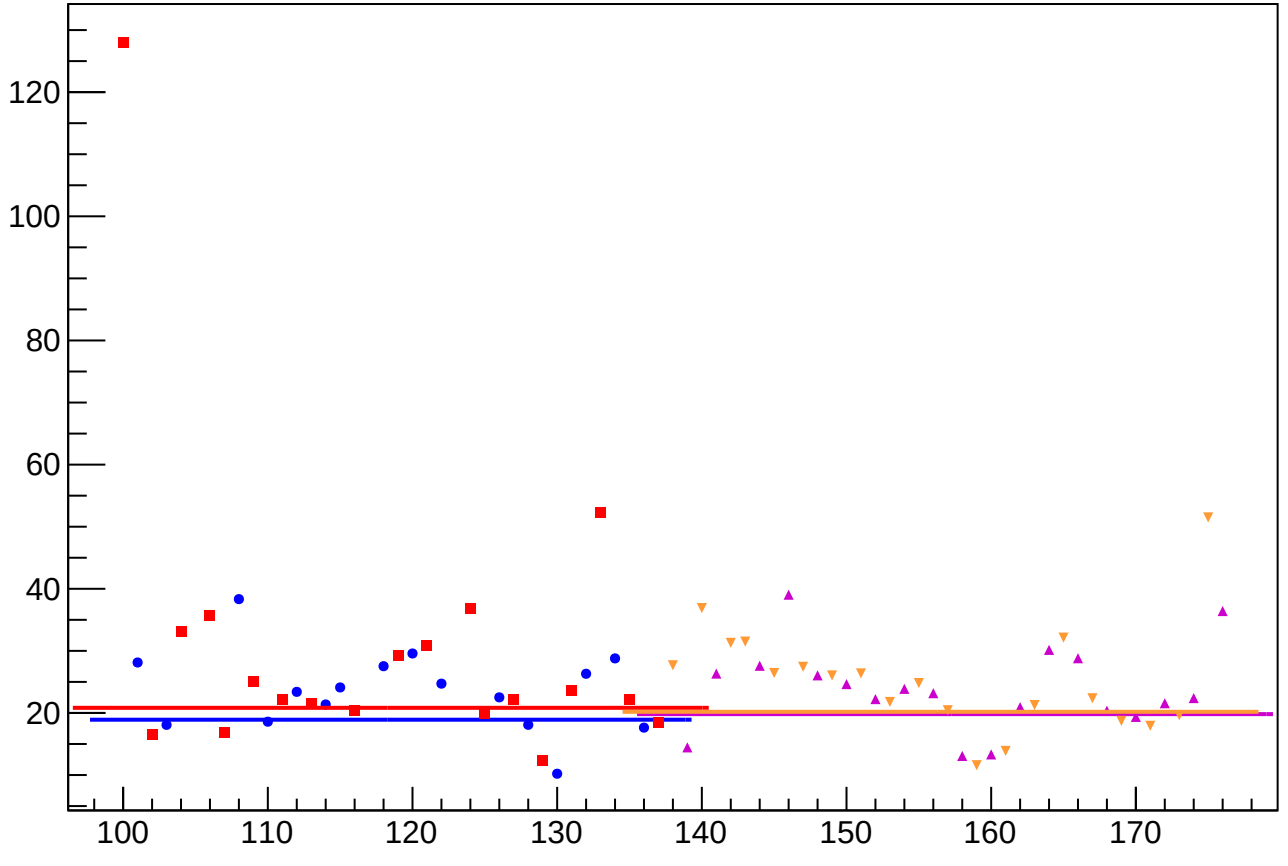
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.004+/-0.005 χ^2/NDF:48.4/38

All: -0.003+/-0.003 χ^2/NDF: 90.3/73

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: 20.185+/-0.004 χ^2/NDF:3027421.0/19

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

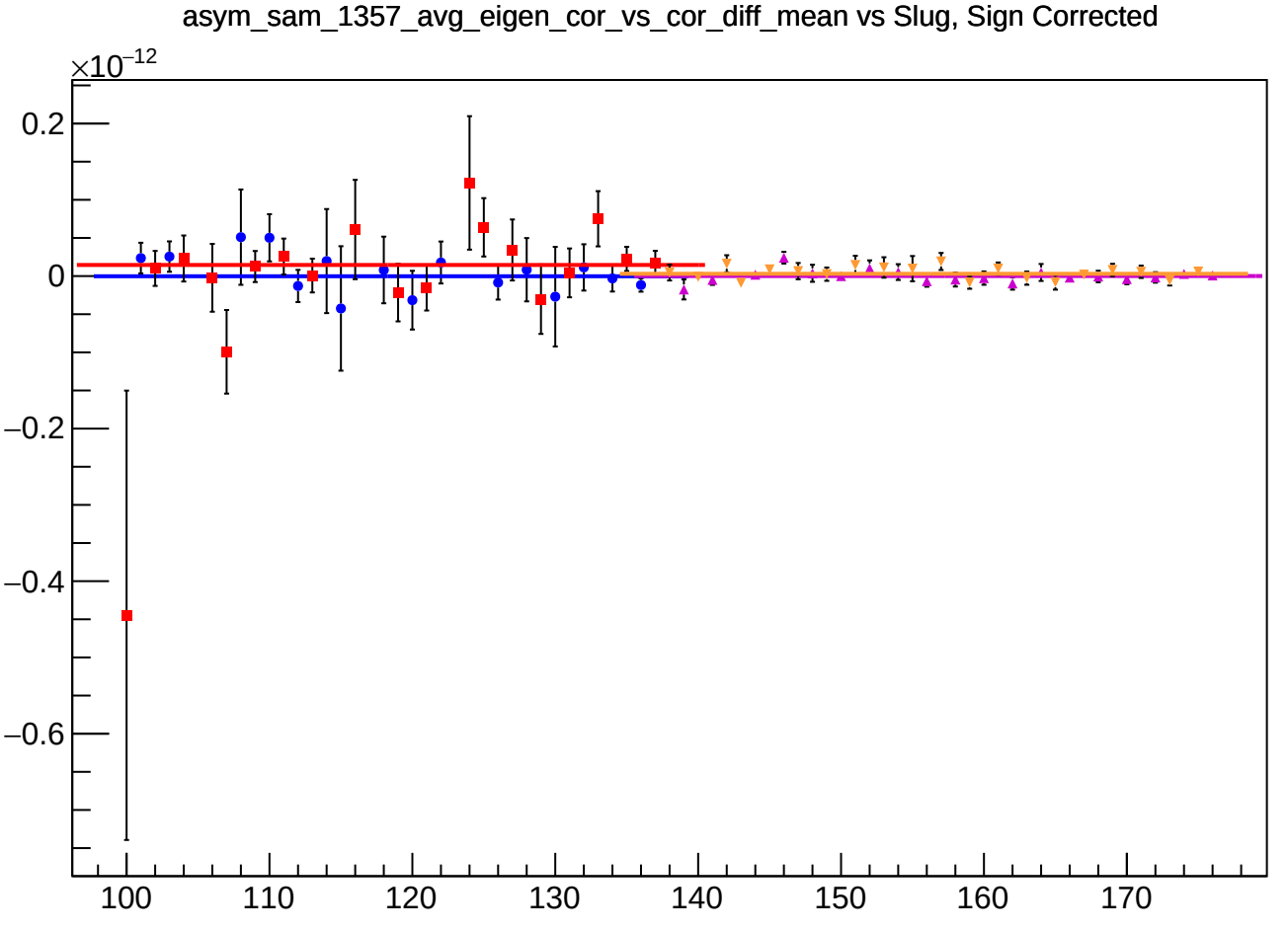
Left: 19.994+/-0.003 χ^2/NDF: 5409126.4/38

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.511+/-0.003 χ^2/NDF:3784980.6/34

Out: 20.381+/-0.003 χ^2/NDF:4326974.3/38

All: 19.930+/-0.002 χ^2/NDF: 8147999.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

Left: 0.000+/-0.000 χ^2/NDF: 35.7/38

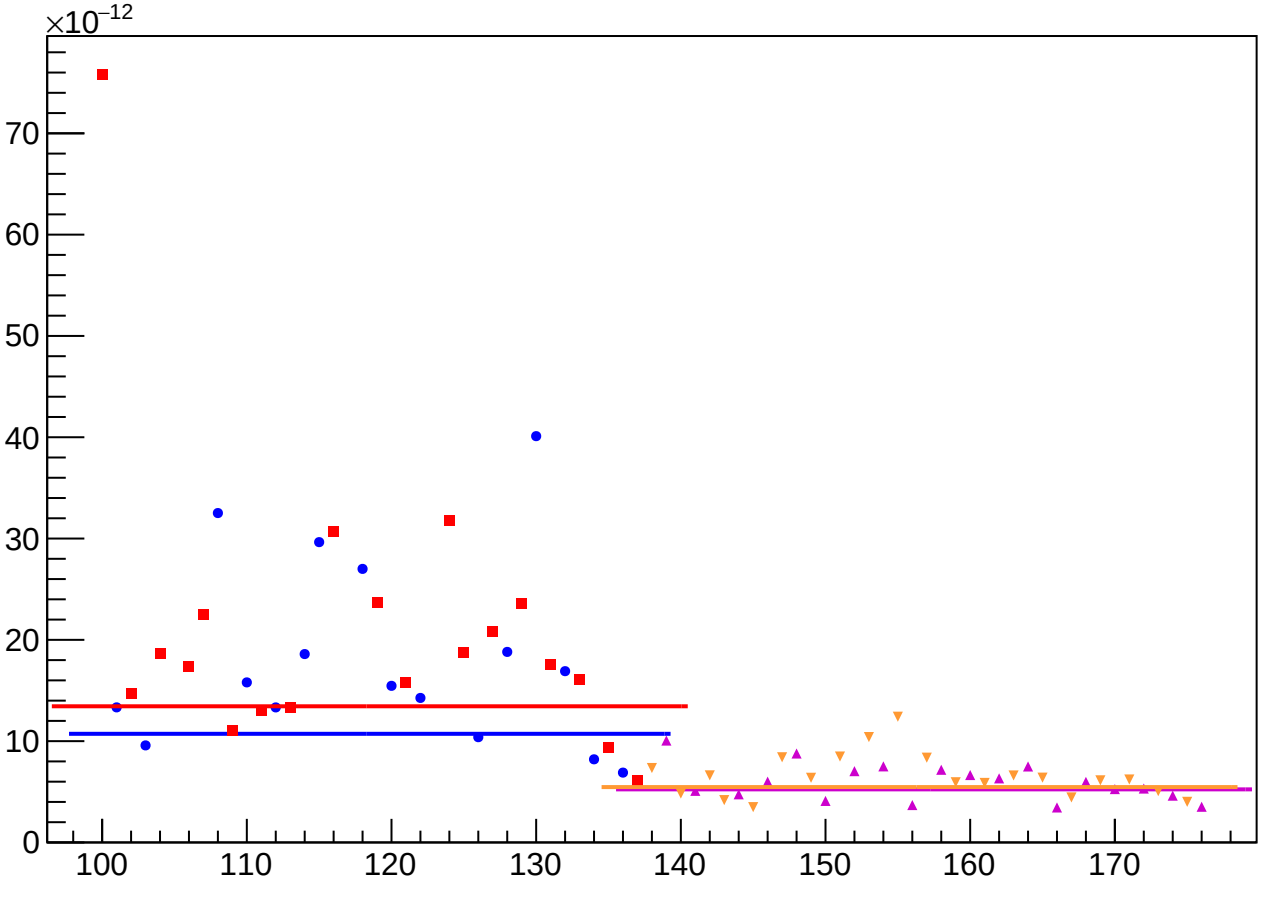
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.6/34

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 67.8/73

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1882724.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1486815.3/18

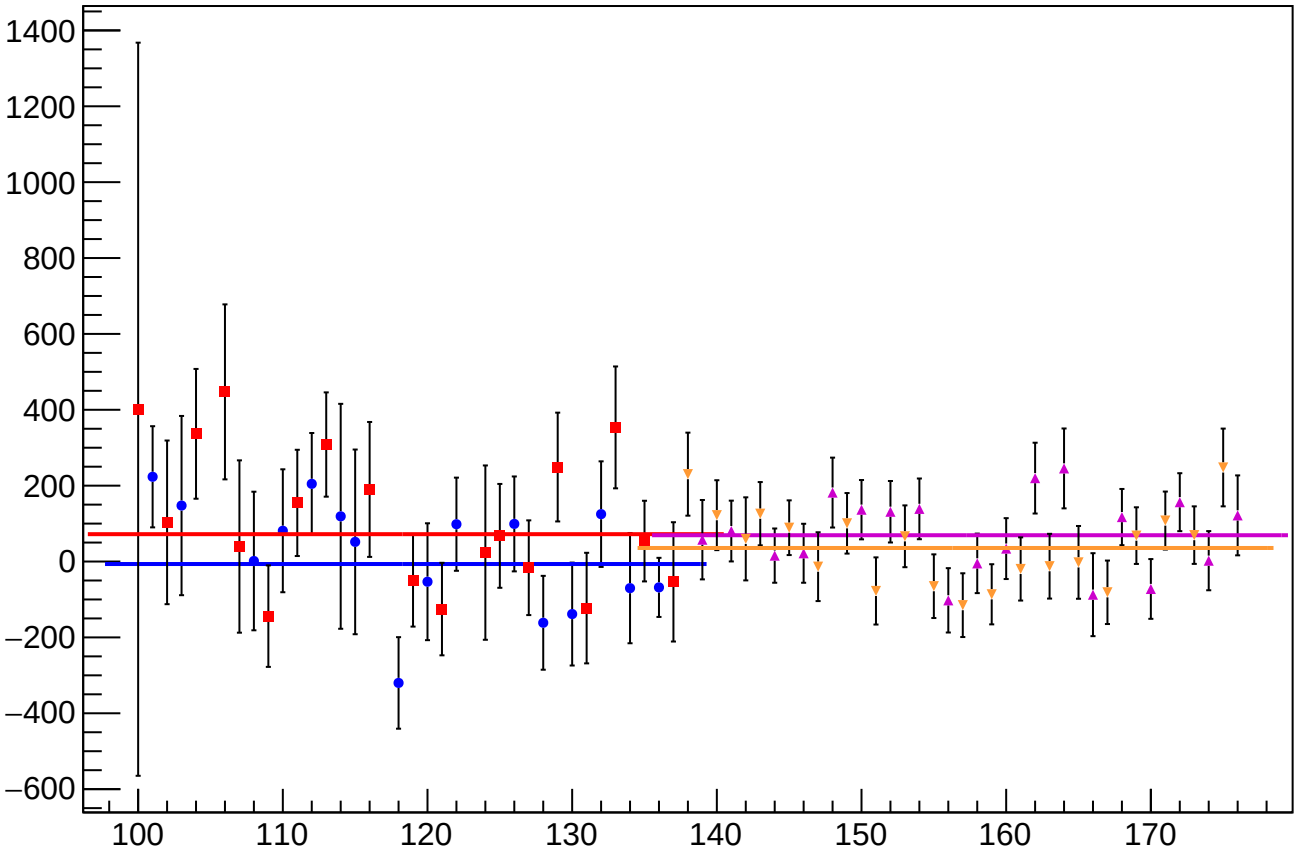
Left: 0.000+/-0.000 χ^2/NDF: 3386478.8/38

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:5075563.7/34

Out: 0.000+/-0.000 χ^2/NDF:6064262.1/38

All: 0.000+/-0.000 χ^2/NDF: 11169924.9/73



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.710+/-18.988 χ^2/NDF:24.0/19

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

Left: 52.335+/-13.501 χ^2/NDF: 48.7/38

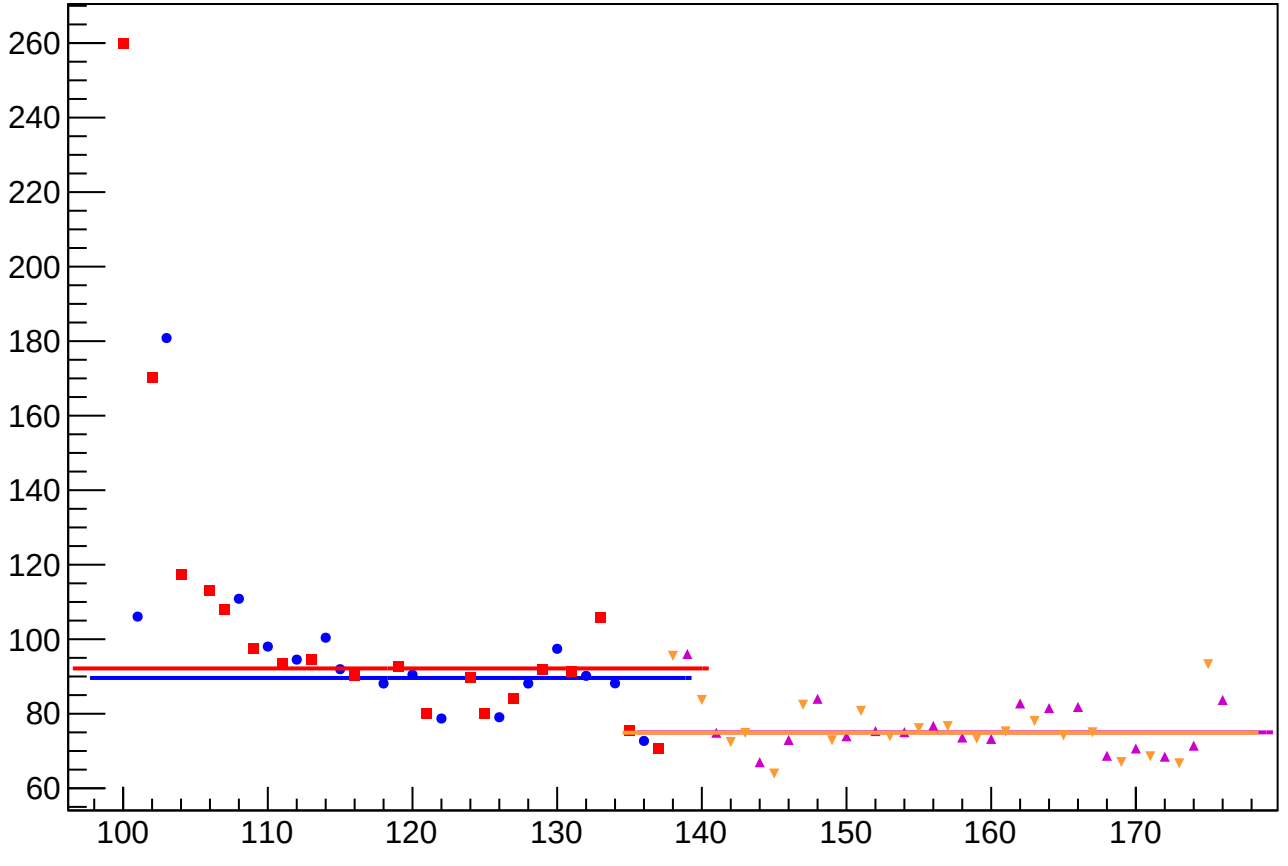
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.215+/-16.752 χ^2/NDF:45.8/34

Out: 44.034+/-16.678 χ^2/NDF:47.7/38

All: 47.608+/-11.819 χ^2/NDF: 93.5/73

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

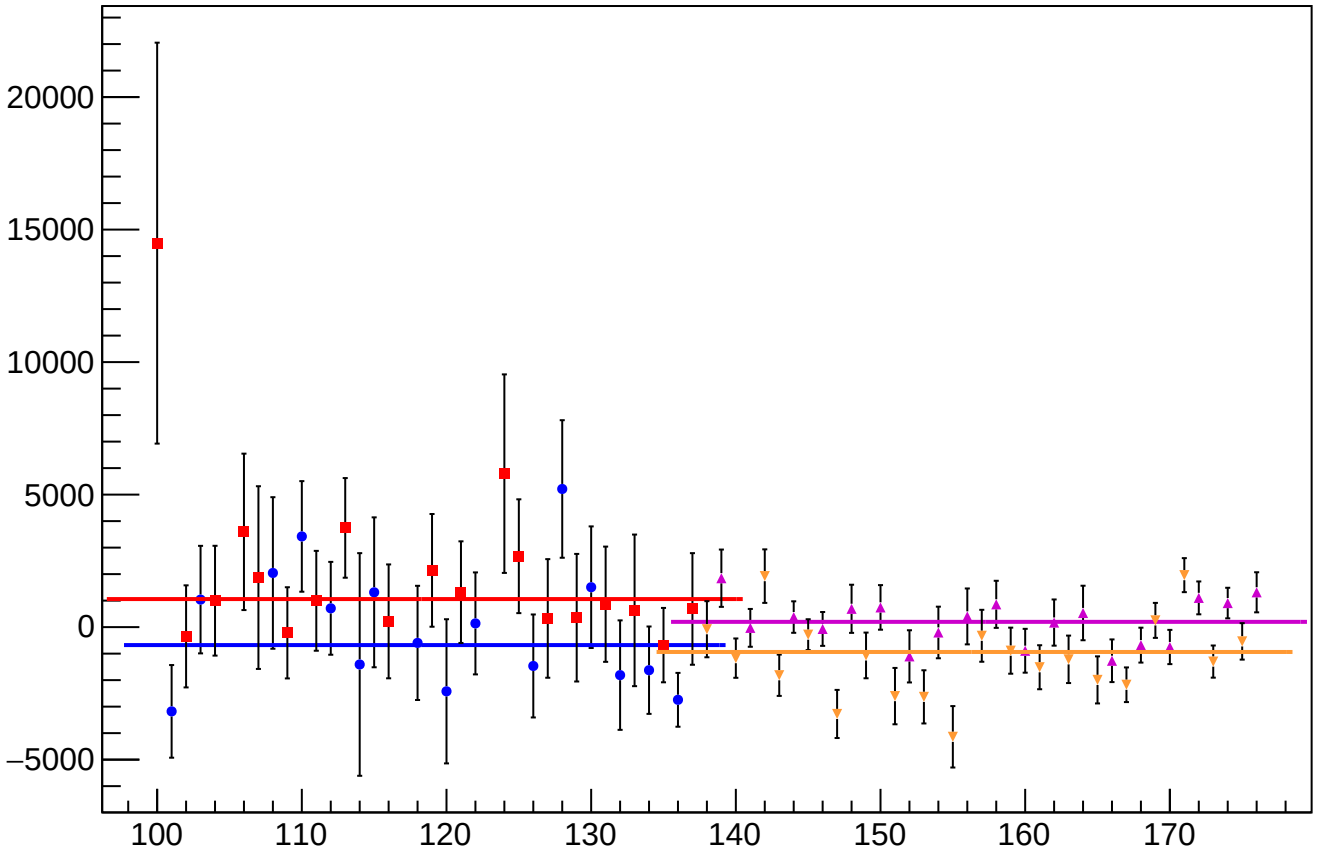
Left: 74.962+/-0.010 χ^2/NDF: 500730.1/38

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.488+/-0.012 χ^2/NDF:985853.4/34

Out: 78.863+/-0.012 χ^2/NDF:1208269.9/38

All: 78.676+/-0.008 χ^2/NDF: 2194627.0/73



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -937.428+/-177.633 χ^2/NDF:61.2/19

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 198.901+/-175.945 χ^2/NDF:20.8/18

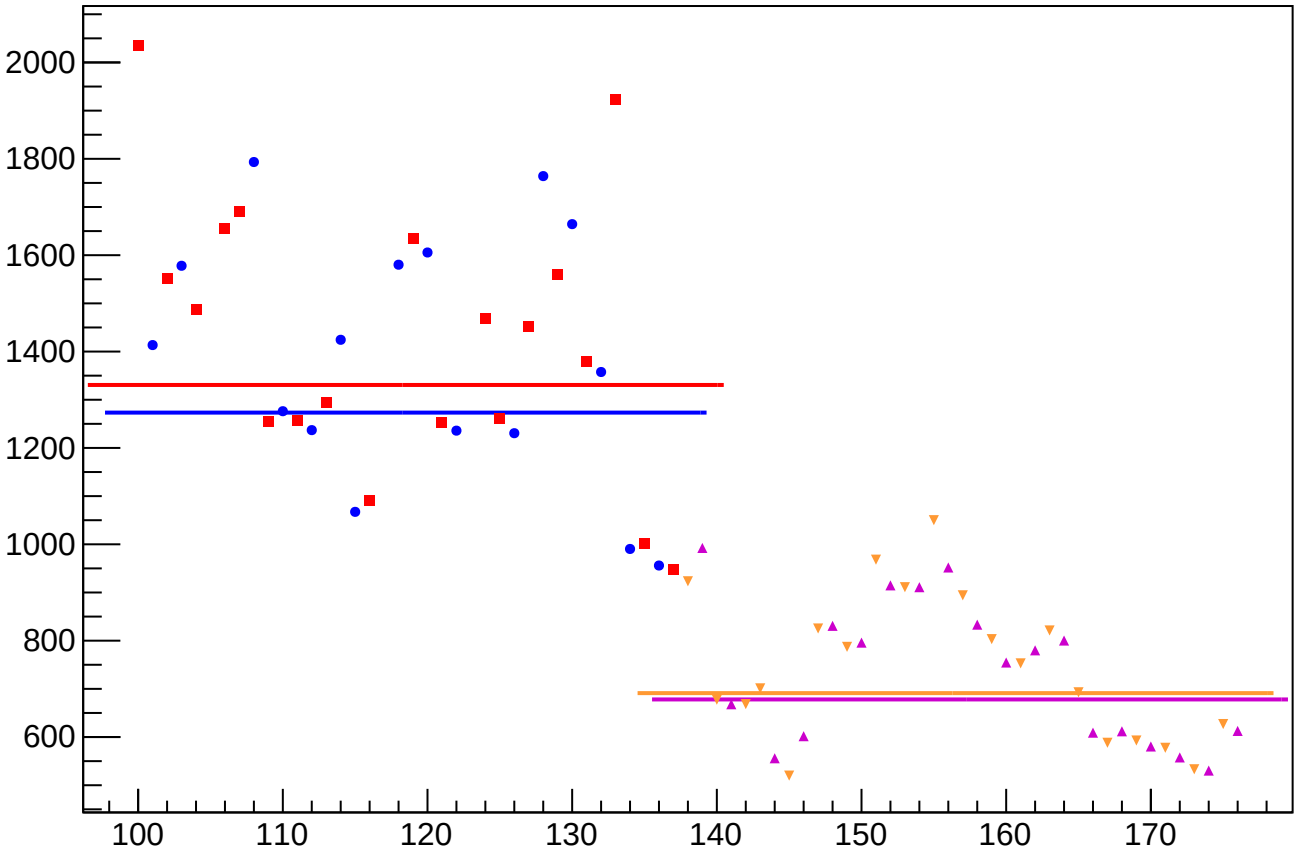
Left: -363.841+/-125.004 χ^2/NDF: 102.7/38

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 97.538+/-165.456 χ^2/NDF:44.0/34

Out: -710.790+/-167.245 χ^2/NDF:87.0/38

All: -302.281+/-117.623 χ^2/NDF: 142.8/73



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245112.9/19

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 678.035+/-0.124 χ^2/NDF:1178858.8/18

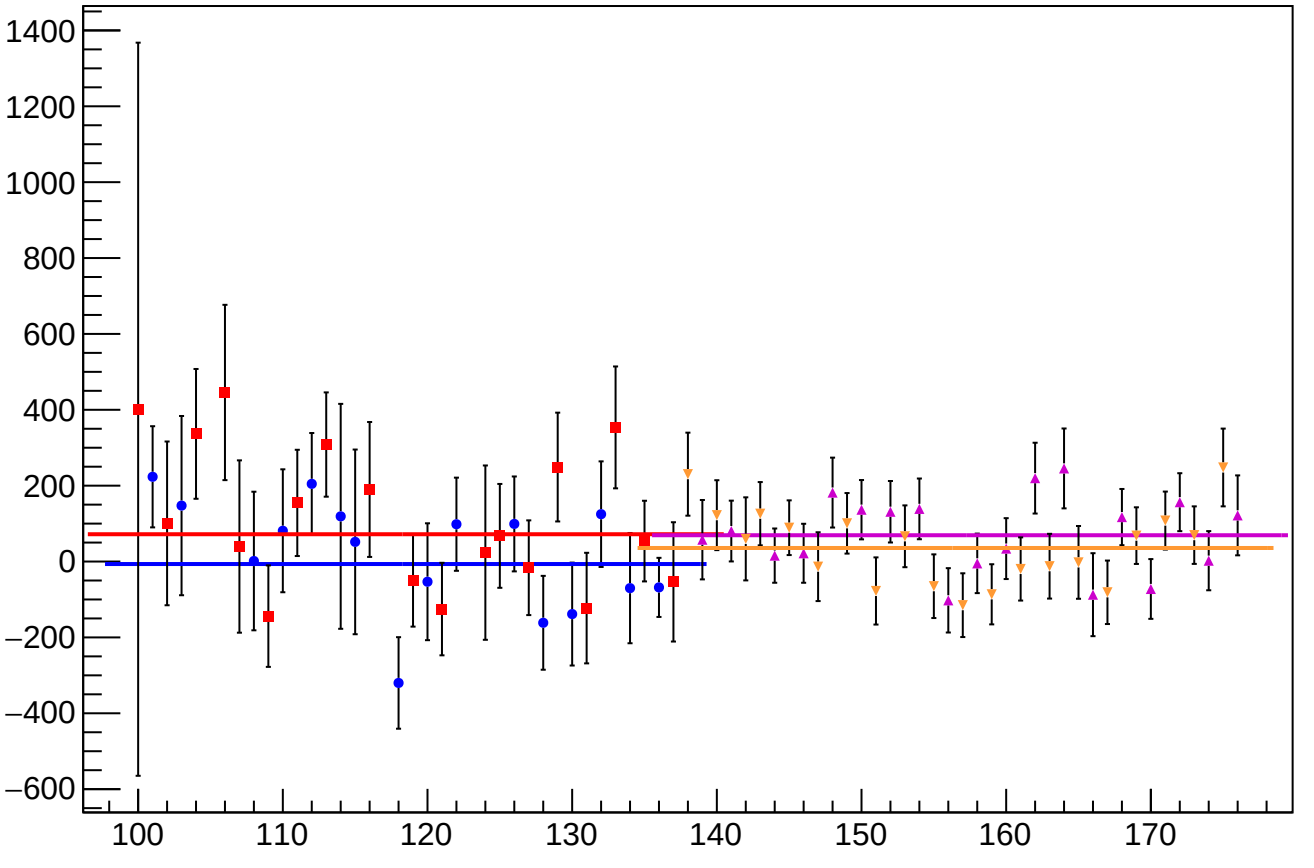
Left: 684.535+/-0.088 χ^2/NDF: 2429482.7/38

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 746.895+/-0.117 χ^2/NDF:4424687.0/34

Out: 763.768+/-0.118 χ^2/NDF:4659077.3/38

All: 755.241+/-0.083 χ^2/NDF: 9094052.1/73



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

Left: 52.336+/-13.501 χ^2/NDF: 48.7/38

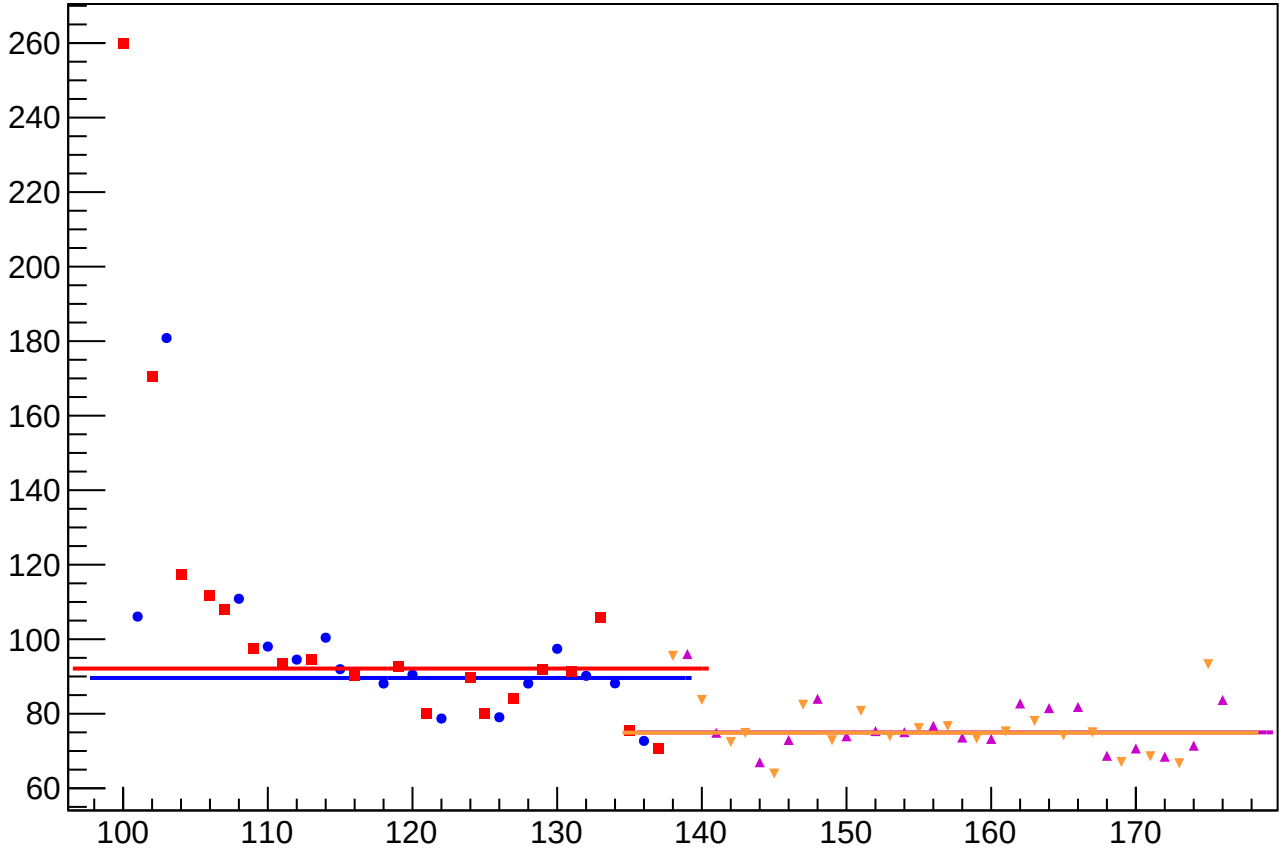
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.213+/-16.752 χ^2/NDF:45.8/34

Out: 44.002+/-16.678 χ^2/NDF:47.6/38

All: 47.592+/-11.819 χ^2/NDF: 93.5/73

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

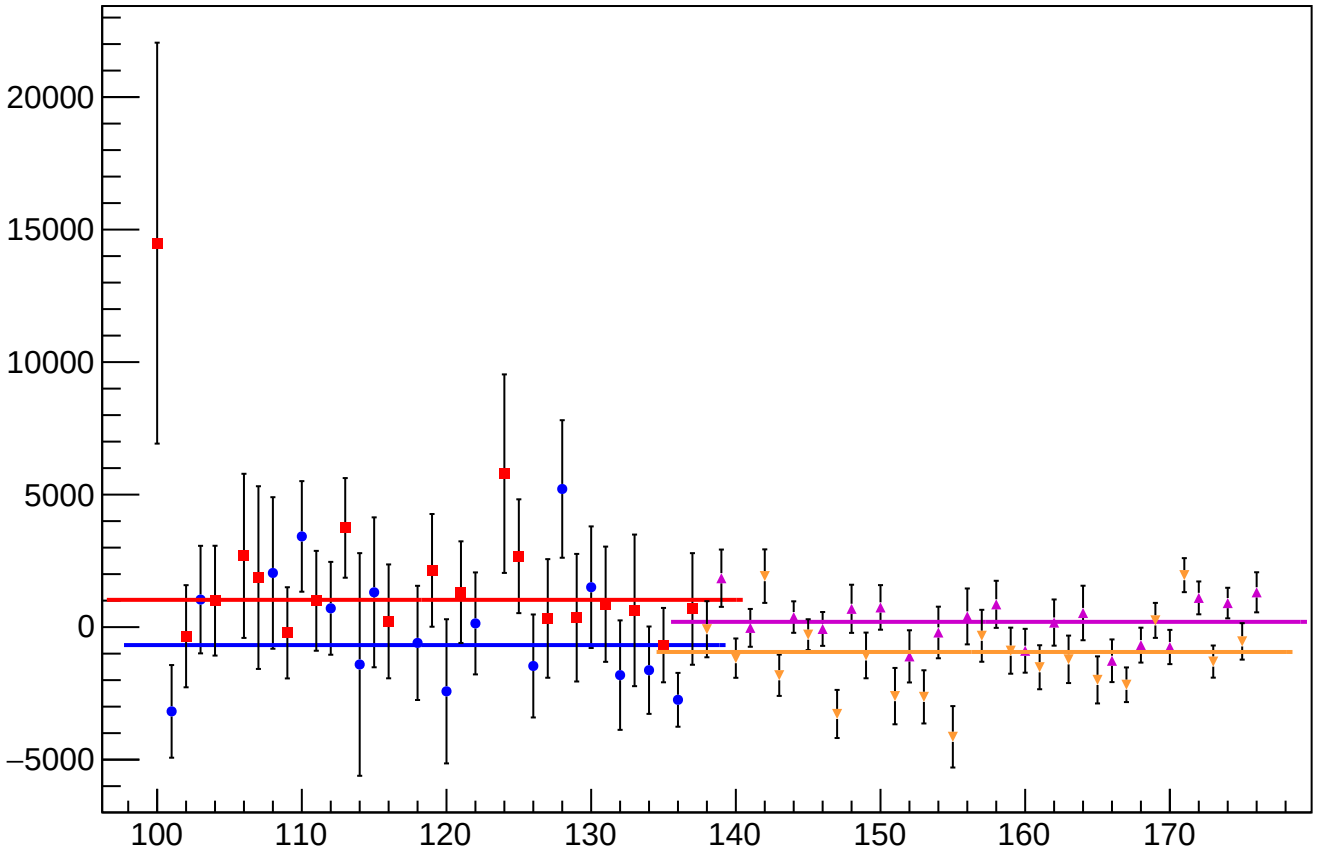
Left: 74.962+/-0.010 χ^2/NDF: 500730.1/38

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.488+/-0.012 χ^2/NDF:985856.9/34

Out: 78.855+/-0.012 χ^2/NDF:1205083.6/38

All: 78.672+/-0.008 χ^2/NDF: 2191423.9/73



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.903+/-175.945 χ^2/NDF:20.8/18

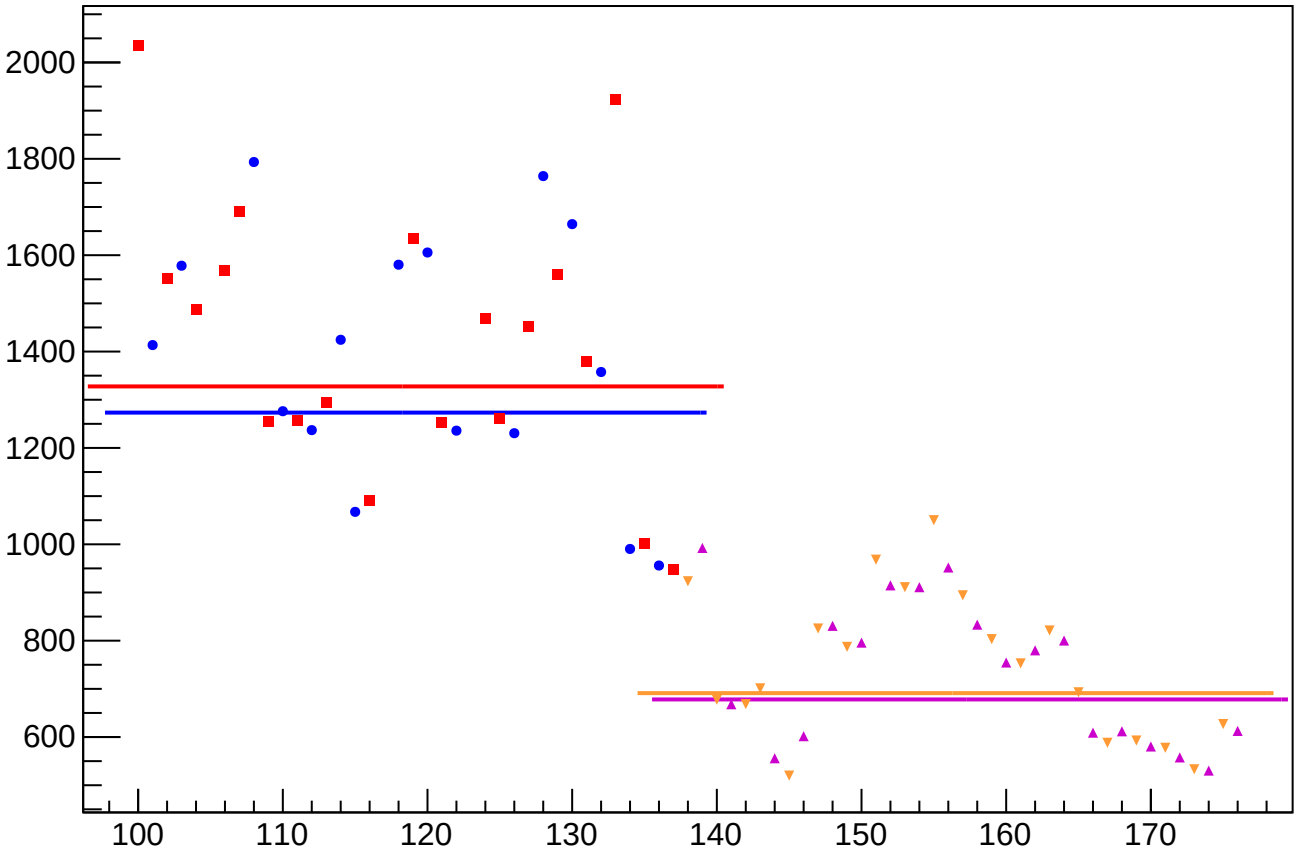
Left: -363.838+/-125.004 χ^2/NDF: 102.7/38

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.544+/-165.457 χ^2/NDF:44.0/34

Out: -714.652+/-167.270 χ^2/NDF:86.1/38

All: -304.126+/-117.632 χ^2/NDF: 142.0/73



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

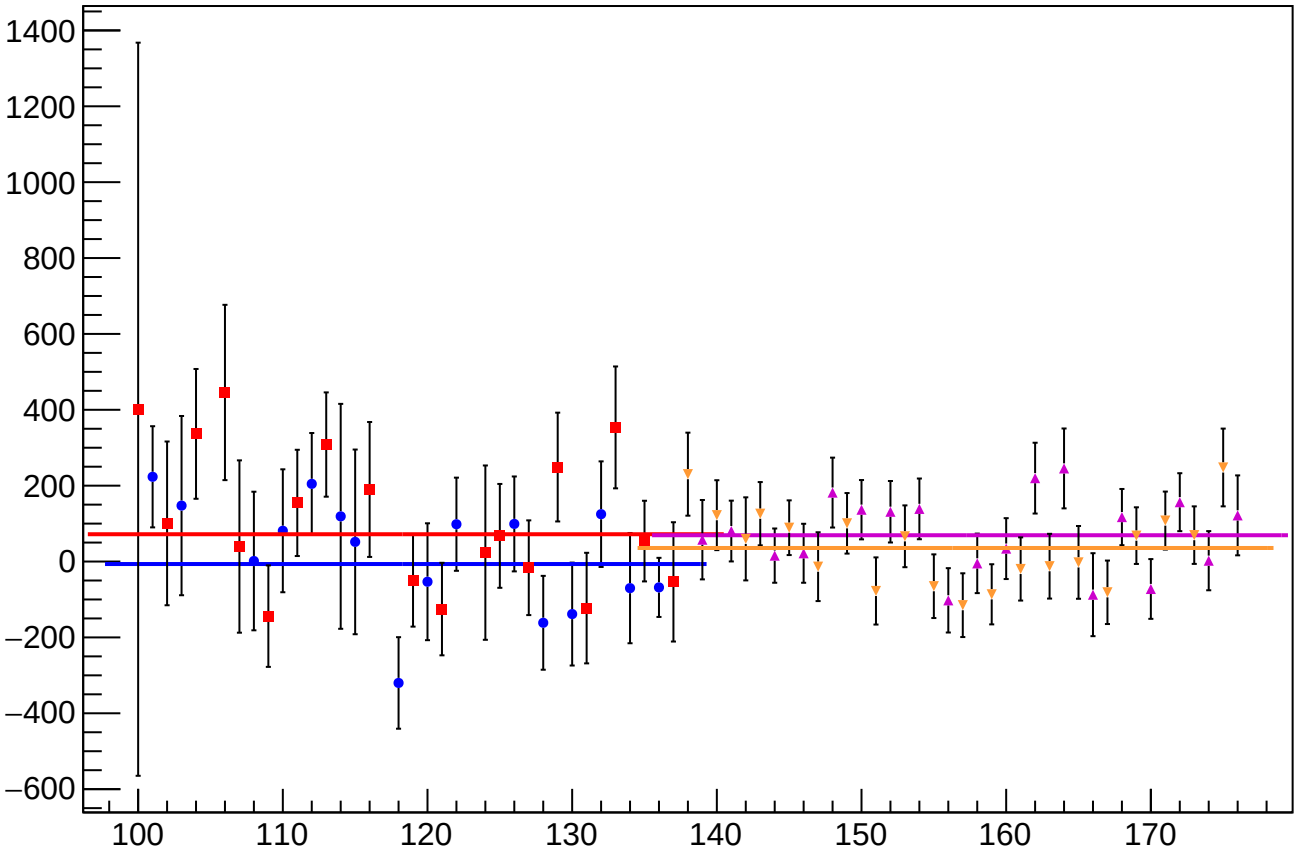
Left: 684.534+/-0.088 χ^2/NDF: 2429483.9/38

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 746.895+/-0.117 χ^2/NDF:4424722.5/34

Out: 763.252+/-0.118 χ^2/NDF:4612167.4/38

All: 754.984+/-0.083 χ^2/NDF: 9046557.0/73



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 35.713+/-18.988 χ^2/NDF:24.0/19

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

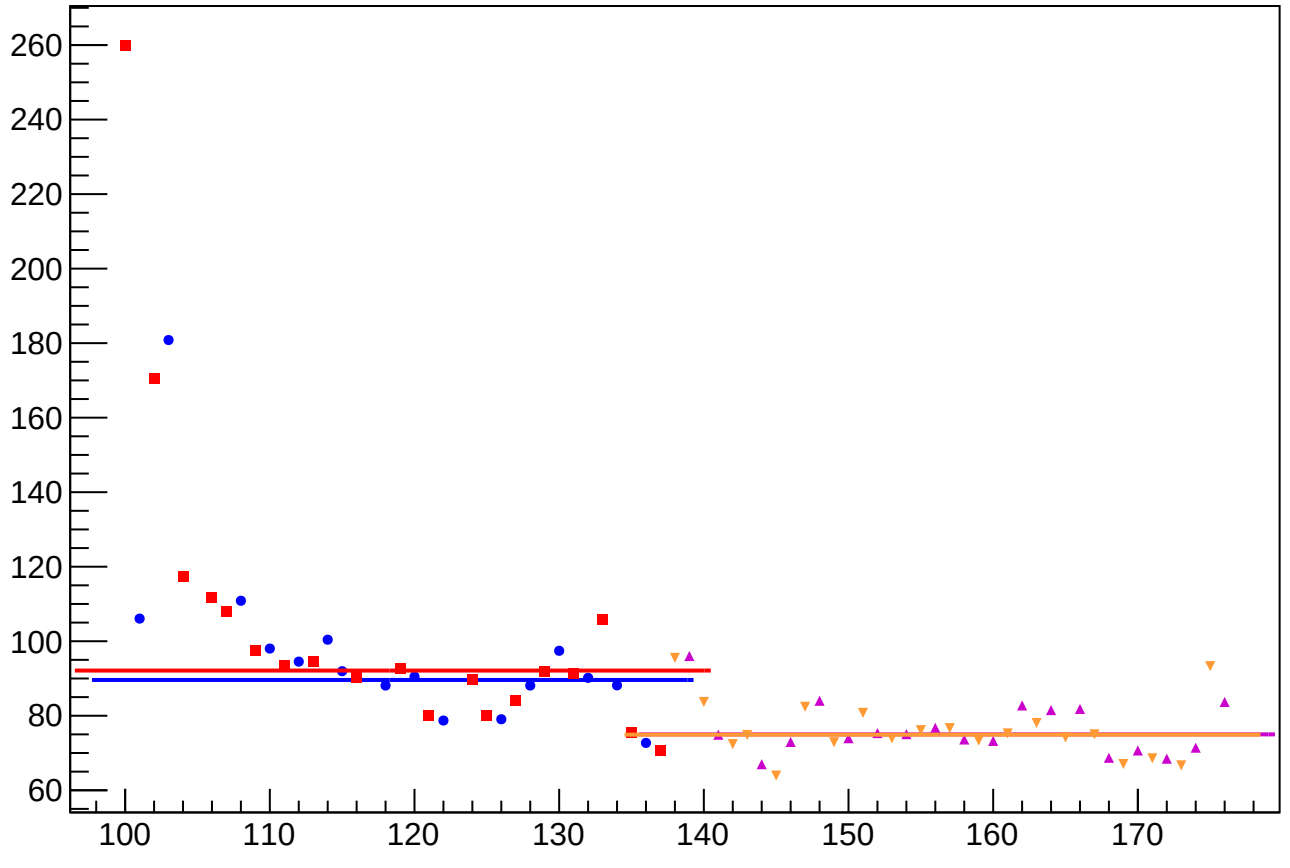
Left: 52.336+/-13.501 χ^2/NDF: 48.7/38

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.213+/-16.752 χ^2/NDF:45.8/34

Out: 44.002+/-16.678 χ^2/NDF:47.6/38

All: 47.592+/-11.819 χ^2/NDF: 93.5/73



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.922+/-0.013 χ^2/NDF:289394.0/19

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

Left: 74.962+/-0.010 χ^2/NDF: 500730.1/38

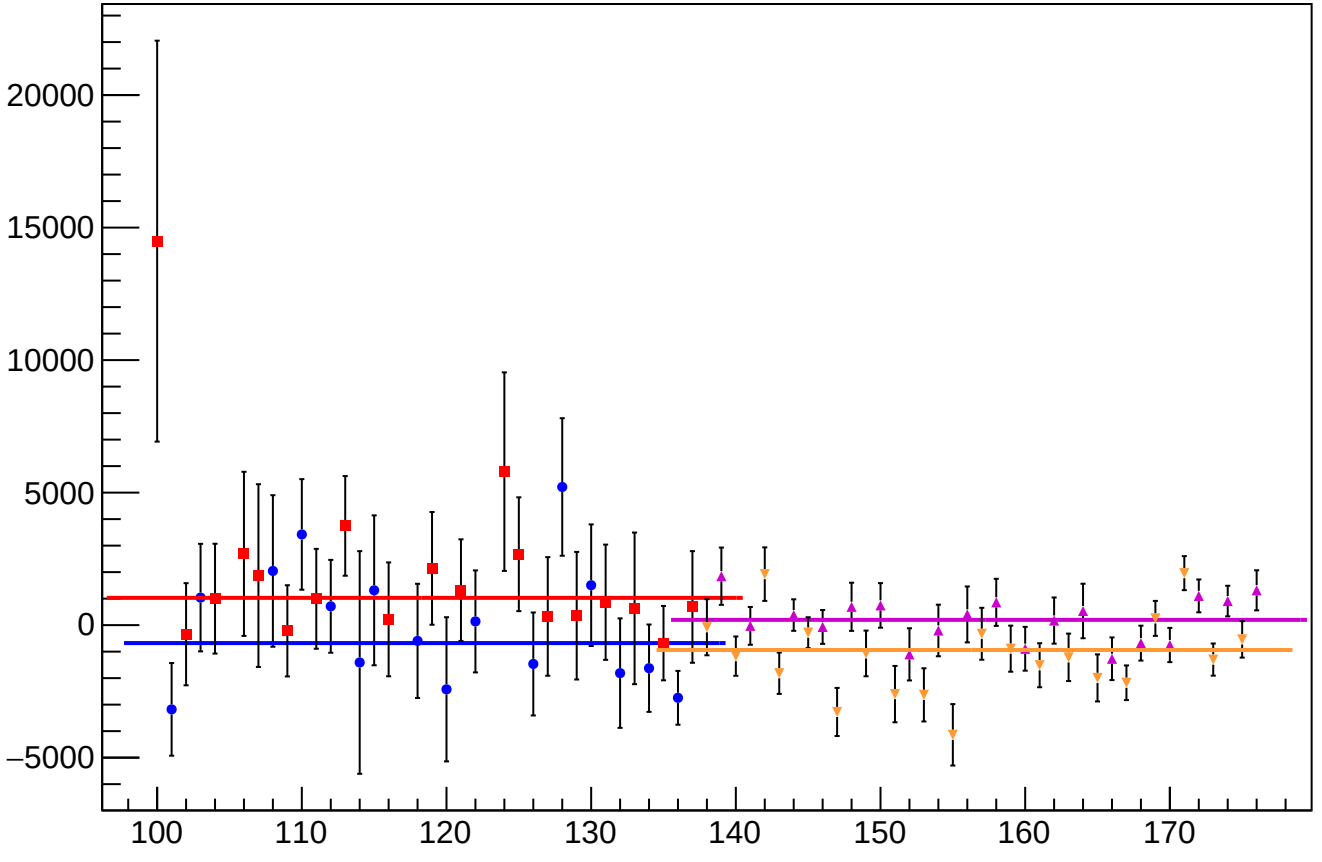
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.488+/-0.012 χ^2/NDF:985856.9/34

Out: 78.855+/-0.012 χ^2/NDF:1205083.6/38

All: 78.672+/-0.008 χ^2/NDF: 2191423.9/73

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: -937.423+/-177.632 χ^2/NDF:61.2/19

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.903+/-175.945 χ^2/NDF:20.8/18

Left: -363.838+/-125.004 χ^2/NDF: 102.7/38

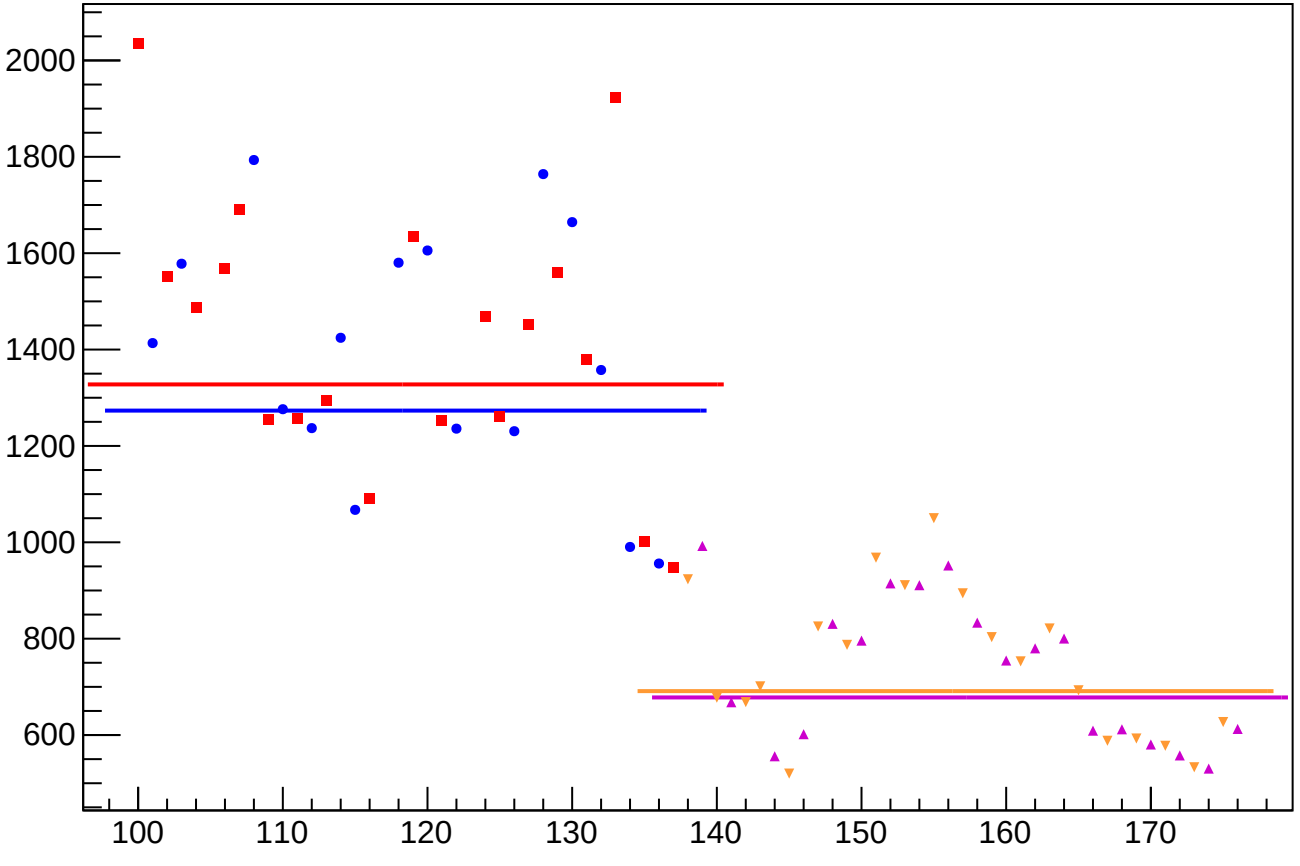
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.544+/-165.457 χ^2/NDF:44.0/34

Out: -714.652+/-167.270 χ^2/NDF:86.1/38

All: -304.126+/-117.632 χ^2/NDF: 142.0/73

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: 691.159+/-0.126 χ^2/NDF:1245116.5/19

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

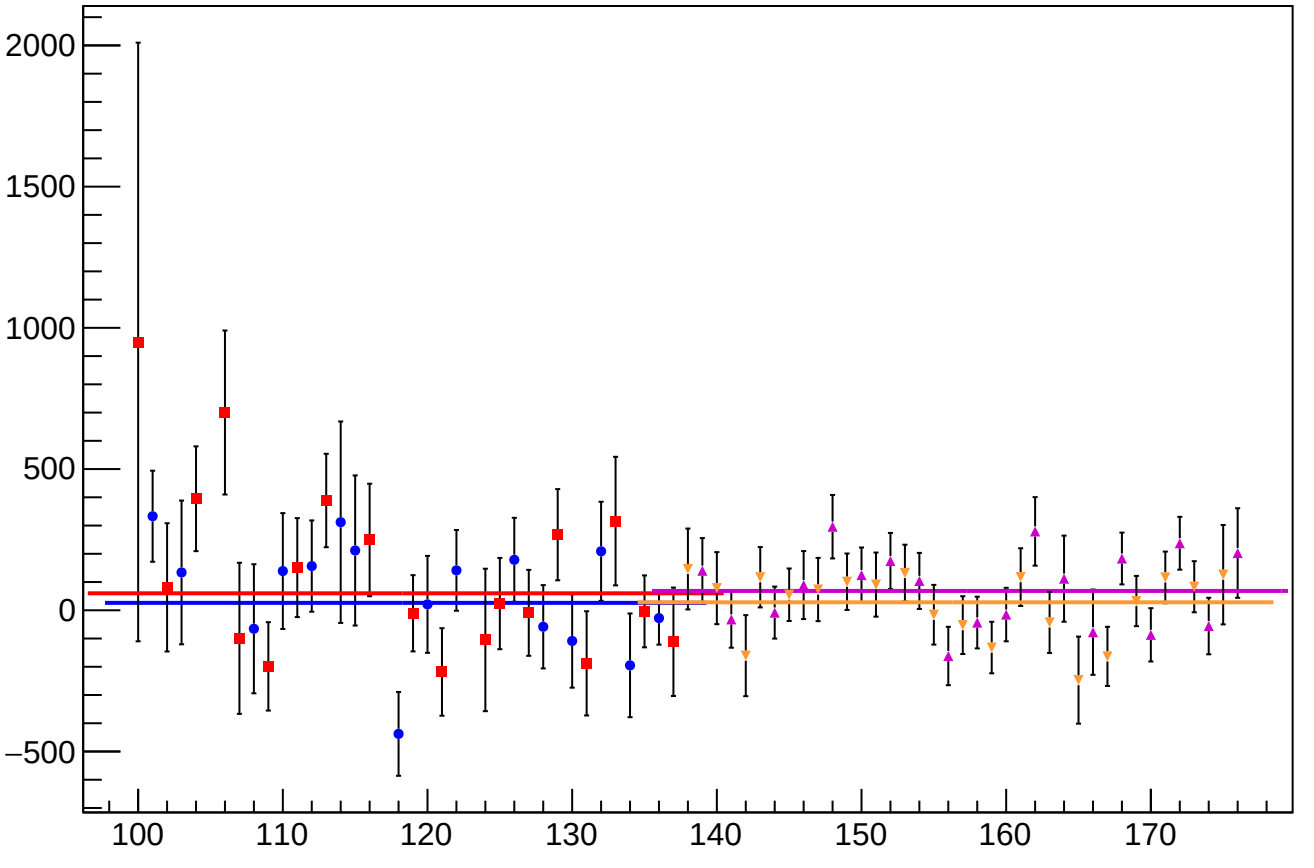
Left: 684.534+/-0.088 χ^2/NDF: 2429483.9/38

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 746.895+/-0.117 χ^2/NDF:4424722.5/34

Out: 763.252+/-0.118 χ^2/NDF:4612167.4/38

All: 754.984+/-0.083 χ^2/NDF: 9046557.0/73



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 68.505+/-24.169 χ^2/NDF:28.9/18

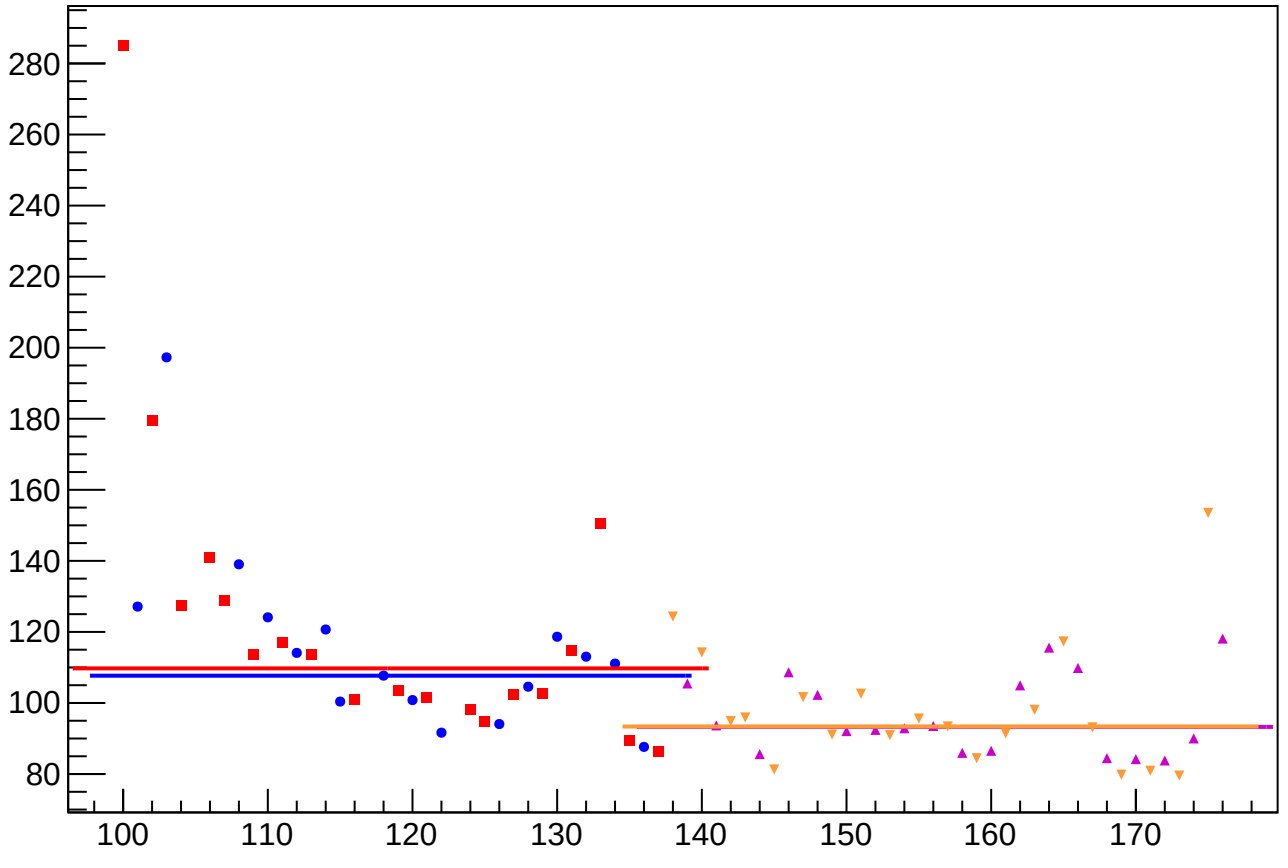
Left: 48.241+/-17.023 χ^2/NDF: 48.9/38

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 57.695+/-20.849 χ^2/NDF:51.0/34

Out: 36.250+/-20.767 χ^2/NDF:46.1/38

All: 46.930+/-14.714 χ^2/NDF: 97.6/73



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.370+/-0.017 χ^2/NDF:644626.7/19

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.268+/-0.017 χ^2/NDF:299055.2/18

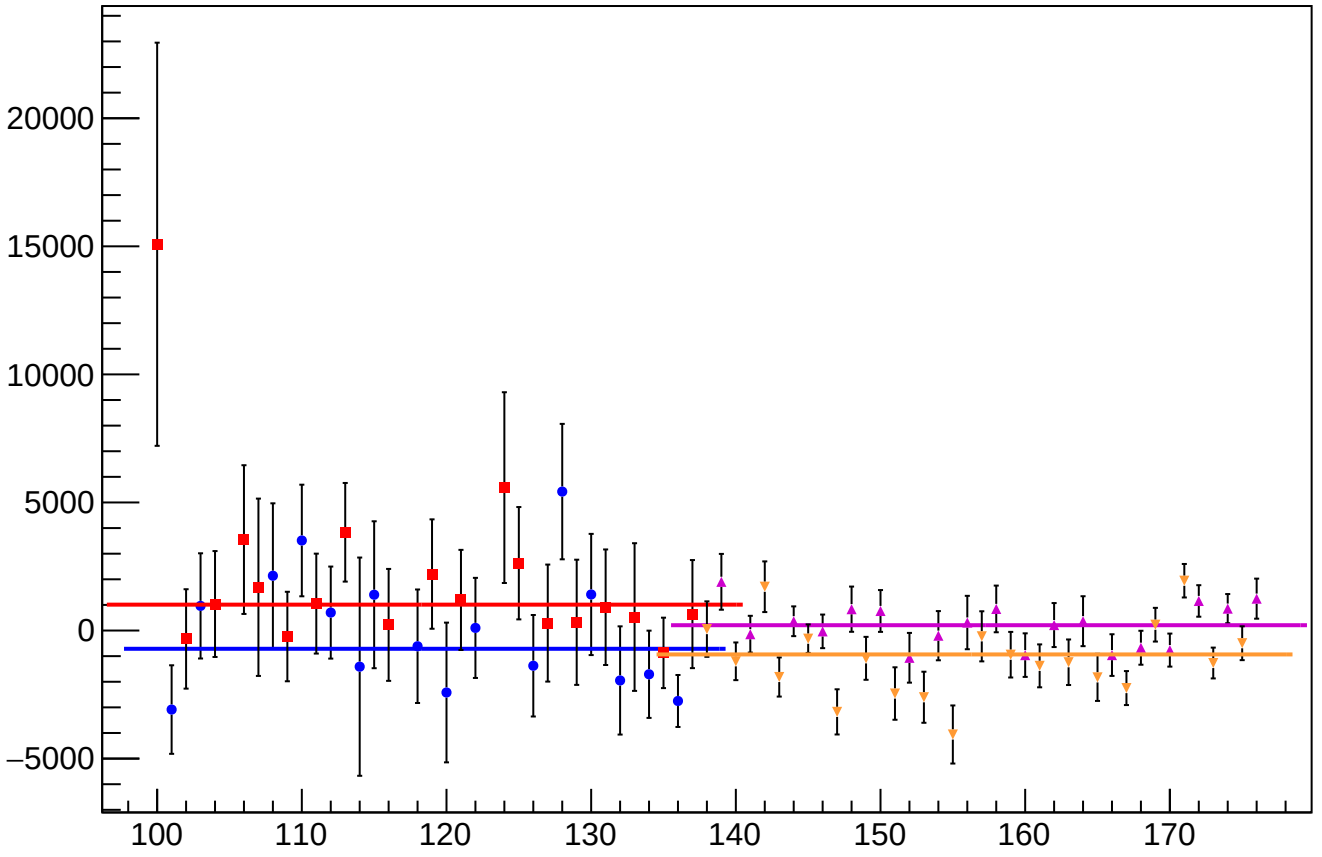
Left: 93.319+/-0.012 χ^2/NDF: 943699.7/38

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.955+/-0.015 χ^2/NDF:964118.1/34

Out: 97.463+/-0.015 χ^2/NDF:1369460.7/38

All: 97.210+/-0.010 χ^2/NDF: 2334175.2/73



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -933.168+/-176.069 χ^2/NDF:58.8/19

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 207.772+/-175.482 χ^2/NDF:19.6/18

Left: -360.793+/-124.292 χ^2/NDF: 99.5/38

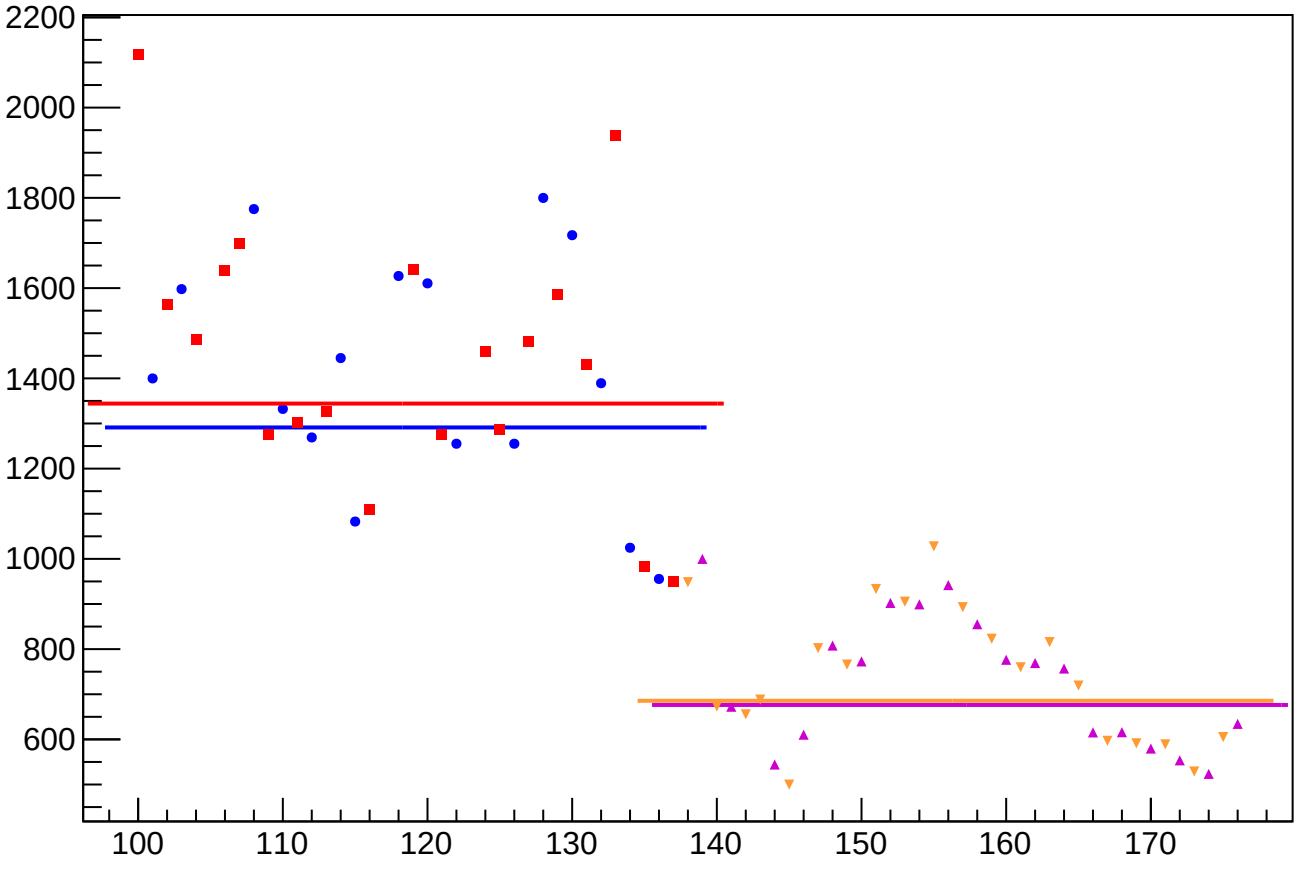
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 104.337+/-165.331 χ^2/NDF:42.8/34

Out: -719.778+/-166.123 χ^2/NDF:83.9/38

All: -305.750+/-117.186 χ^2/NDF: 139.1/73

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: 685.564+/-0.124 χ^2/NDF:1276854.1/19

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 676.272+/-0.124 χ^2/NDF:1162193.2/18

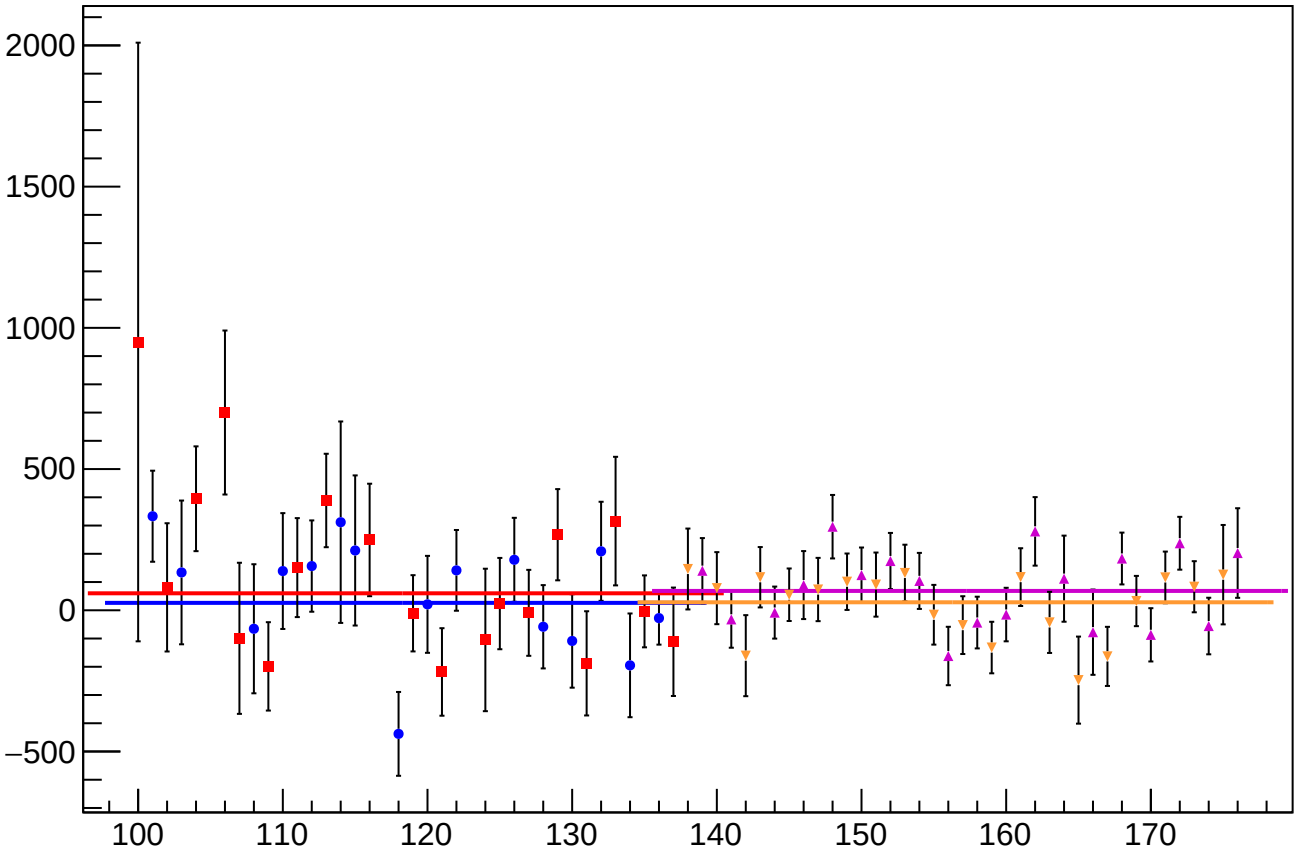
Left: 680.902+/-0.088 χ^2/NDF: 2441842.2/38

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 745.361+/-0.117 χ^2/NDF:4532490.3/34

Out: 757.863+/-0.117 χ^2/NDF:4839557.7/38

All: 751.582+/-0.083 χ^2/NDF: 9377738.8/73



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.291+/-23.981 χ^2/NDF:18.6/19

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 68.504+/-24.169 χ^2/NDF:28.9/18

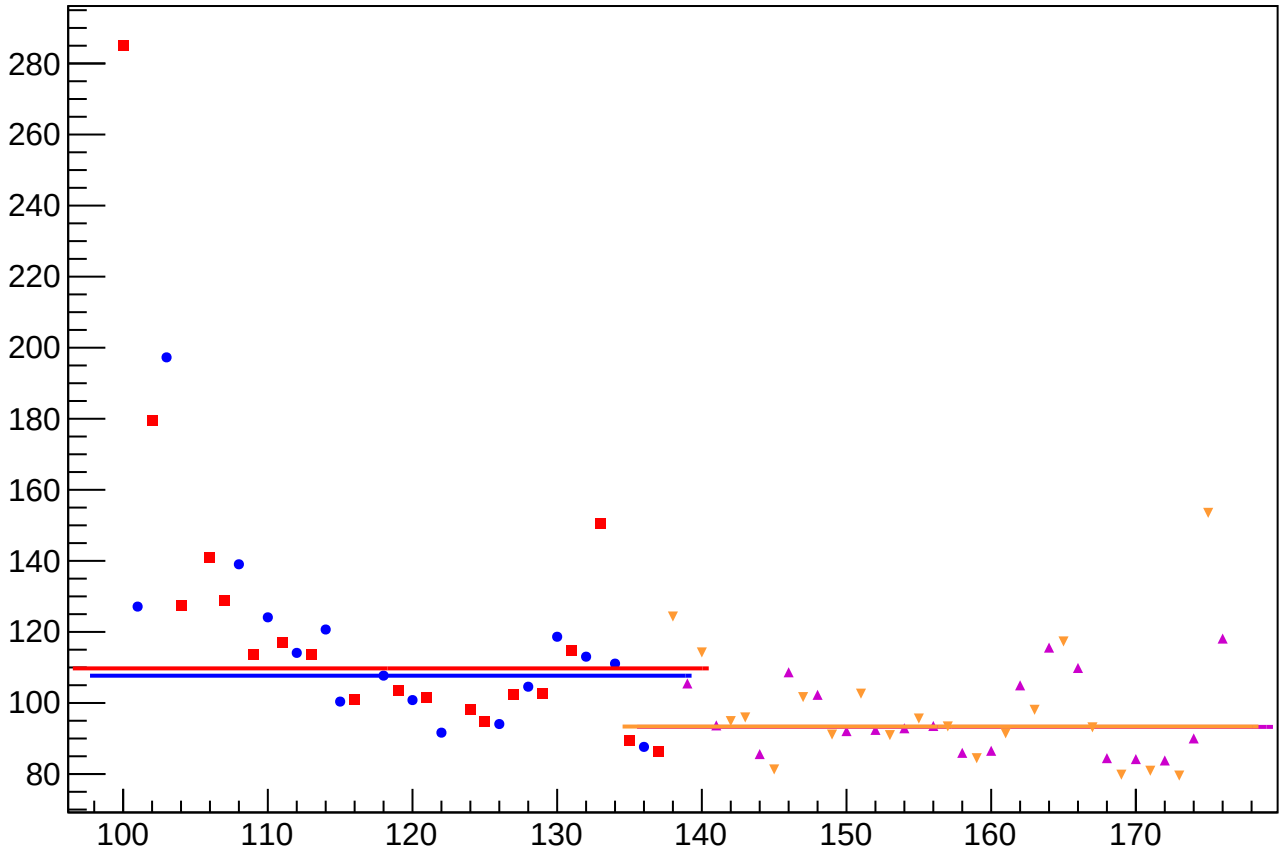
Left: 48.240+/-17.023 χ^2/NDF: 48.9/38

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

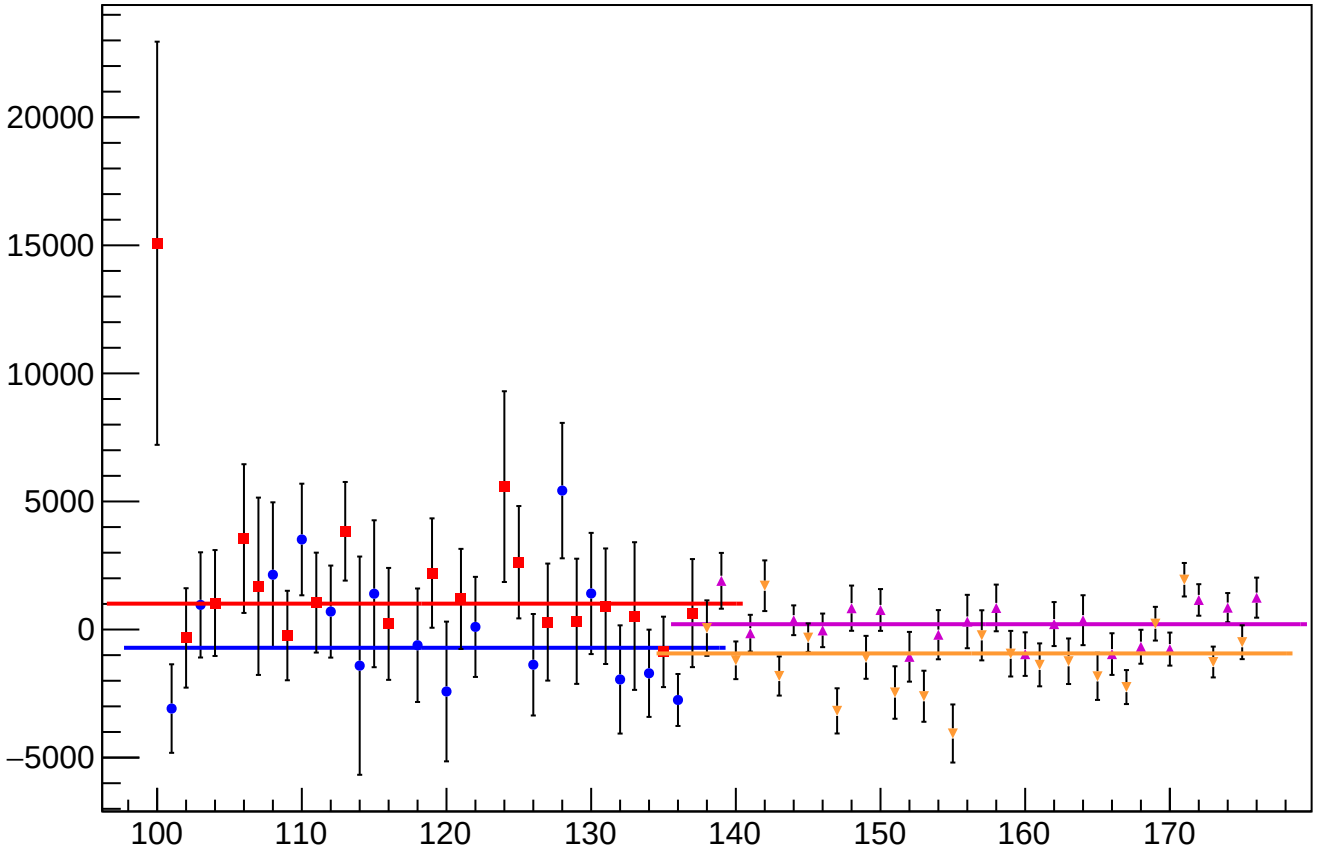
In: 57.694+/-20.849 χ^2/NDF:51.0/34

Out: 36.250+/-20.767 χ^2/NDF:46.1/38

All: 46.930+/-14.714 χ^2/NDF: 97.6/73


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 93.370+/-0.017 χ²/NDF:644621.1/19
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 93.268+/-0.017 χ²/NDF:299056.0/18
Left: 93.320+/-0.012 χ²/NDF: 943694.9/38
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 96.955+/-0.015 χ²/NDF:964080.7/34
Out: 97.463+/-0.015 χ²/NDF:1369427.3/38
All: 97.210+/-0.010 χ²/NDF: 2334104.5/73

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: -933.166+/-176.069 χ^2/NDF:58.8/19

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 207.770+/-175.482 χ^2/NDF:19.6/18

Left: -360.793+/-124.291 χ^2/NDF: 99.5/38

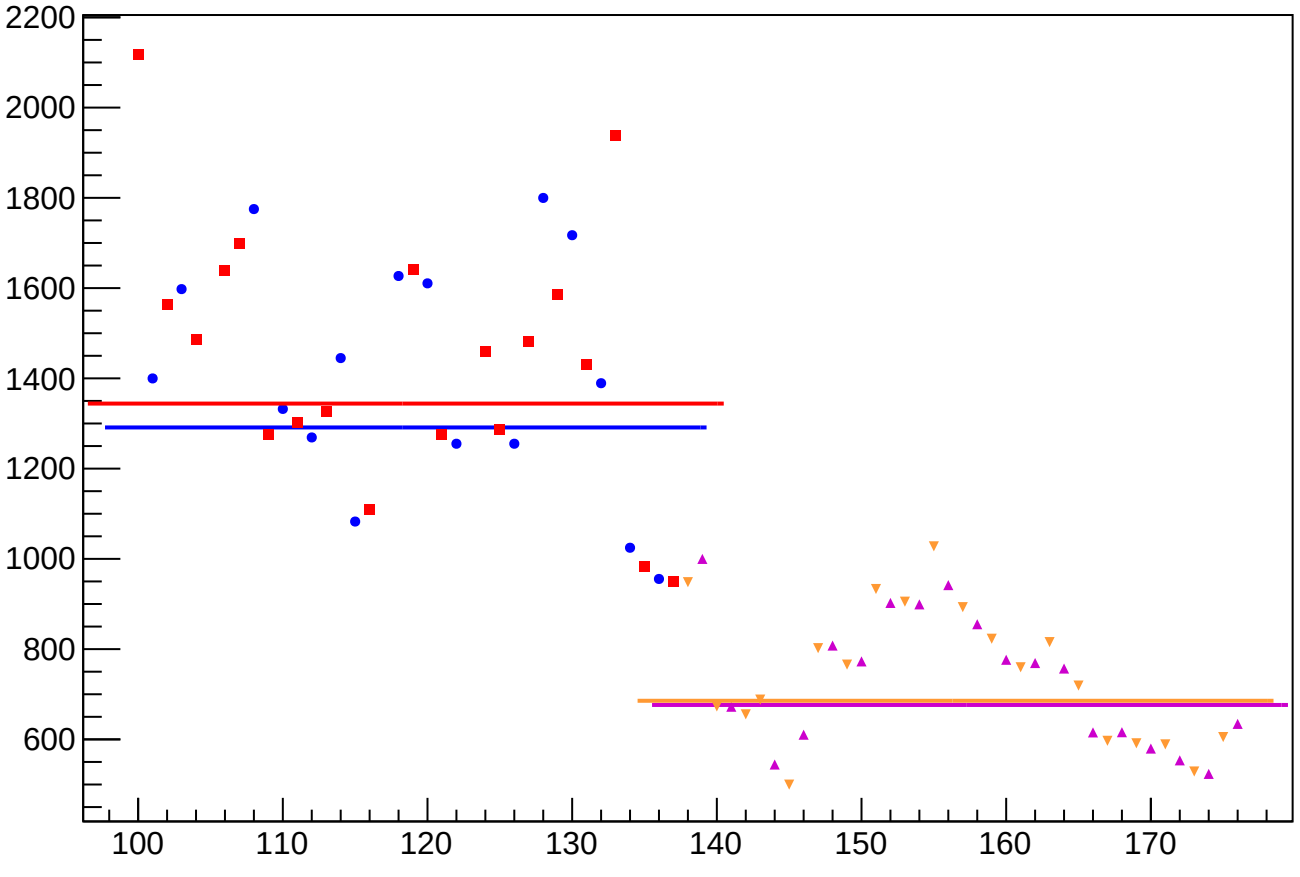
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 104.336+/-165.331 χ^2/NDF:42.8/34

Out: -719.776+/-166.123 χ^2/NDF:83.9/38

All: -305.750+/-117.186 χ^2/NDF: 139.1/73

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: 685.563+/-0.124 χ^2/NDF:1276861.2/19

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 676.270+/-0.124 χ^2/NDF:1162197.0/18

Left: 680.901+/-0.088 χ^2/NDF: 2441853.2/38

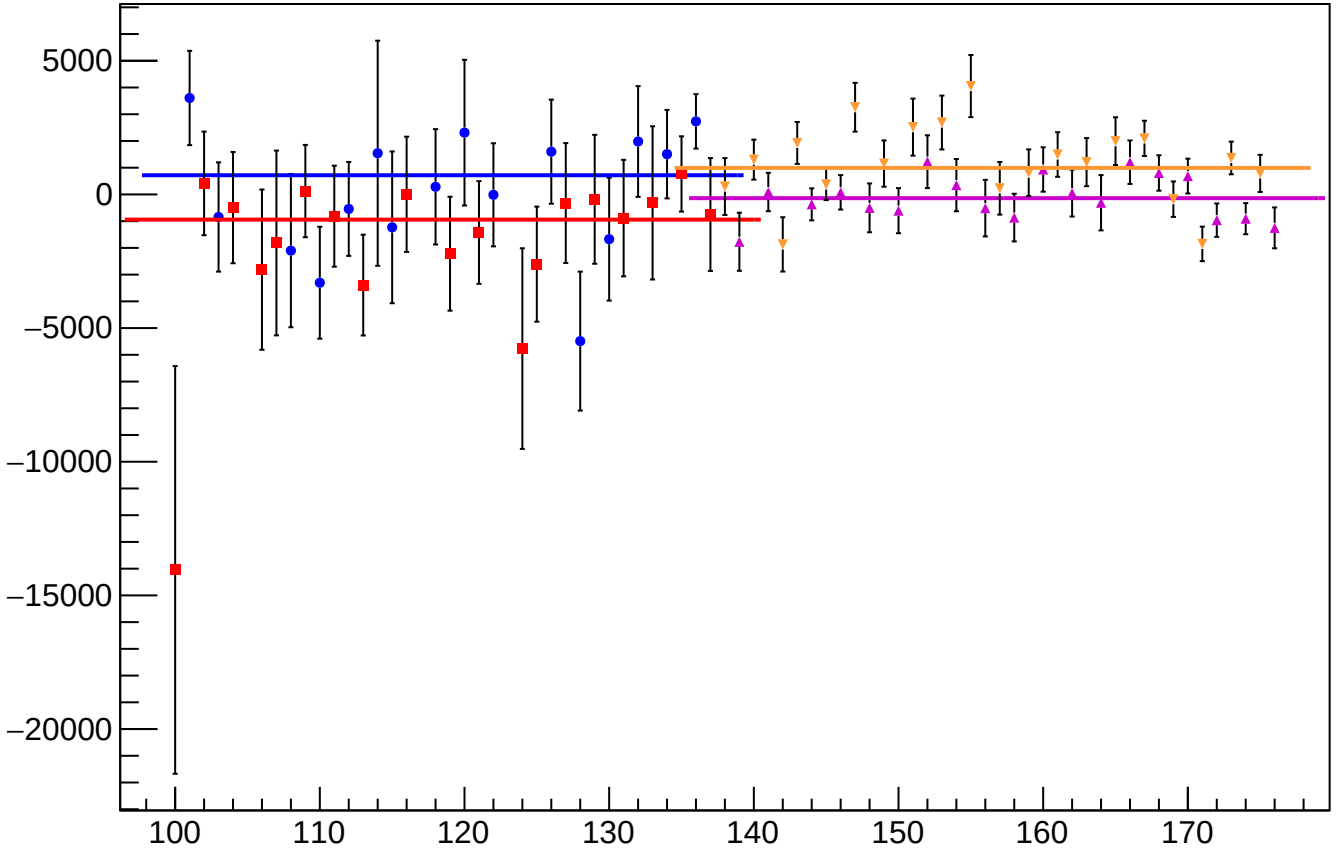
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 745.359+/-0.117 χ^2/NDF:4532490.7/34

Out: 757.861+/-0.117 χ^2/NDF:4839562.2/38

All: 751.580+/-0.083 χ^2/NDF: 9377743.7/73

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 991.847+/-178.792 χ^2/NDF:57.1/19

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -139.246+/-177.148 χ^2/NDF:19.7/18

Left: 421.074+/-125.840 χ^2/NDF: 97.0/38

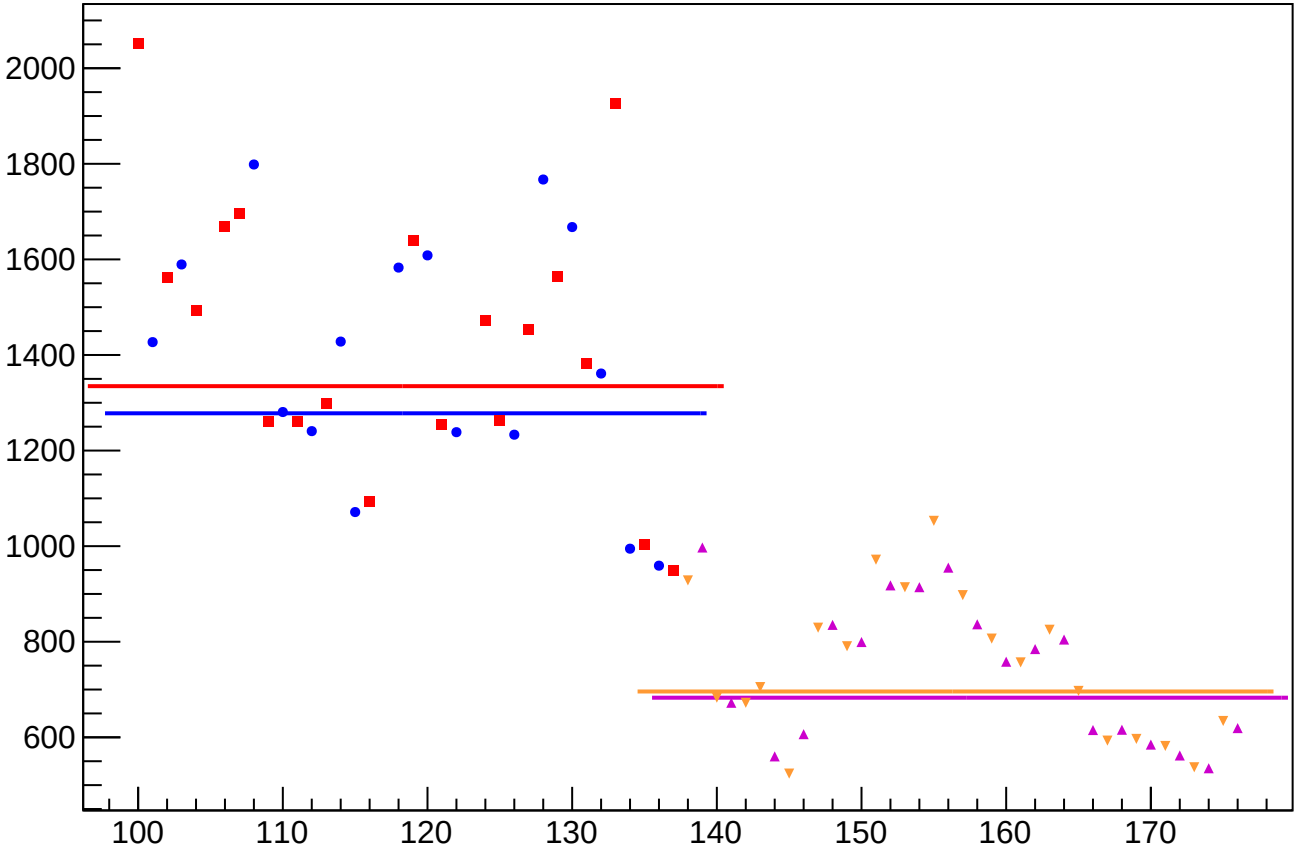
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -39.566+/-166.525 χ^2/NDF:43.4/34

Out: 771.048+/-168.278 χ^2/NDF:81.1/38

All: 361.497+/-118.366 χ^2/NDF: 136.2/73

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 695.905+/-0.126 χ^2/NDF:1225590.7/19

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 682.906+/-0.125 χ^2/NDF:1158653.6/18

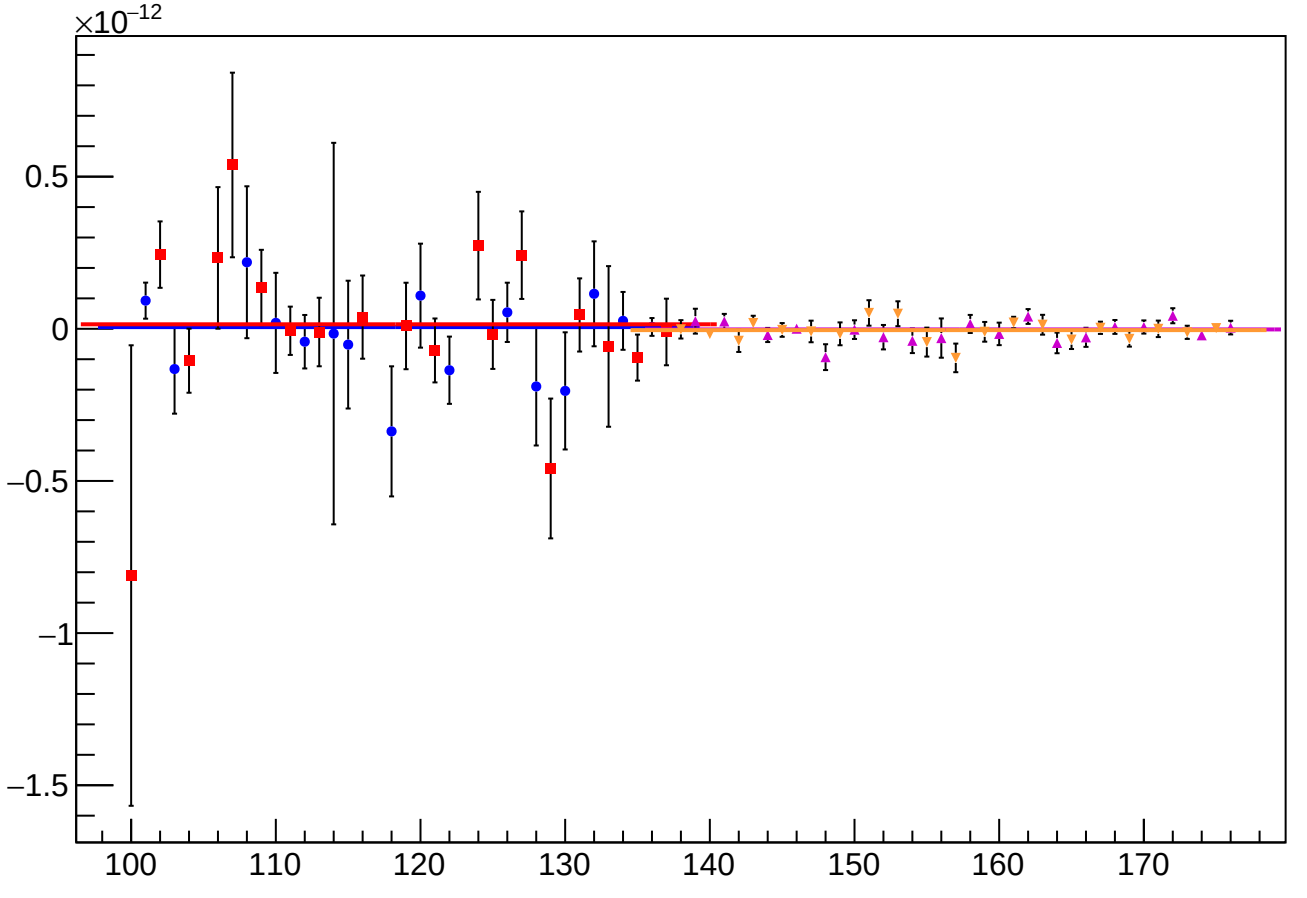
Left: 689.345+/-0.089 χ^2/NDF: 2389579.2/38

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 752.131+/-0.118 χ^2/NDF:4381724.8/34

Out: 768.837+/-0.119 χ^2/NDF:4612652.8/38

All: 760.396+/-0.084 χ^2/NDF: 9004336.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/18

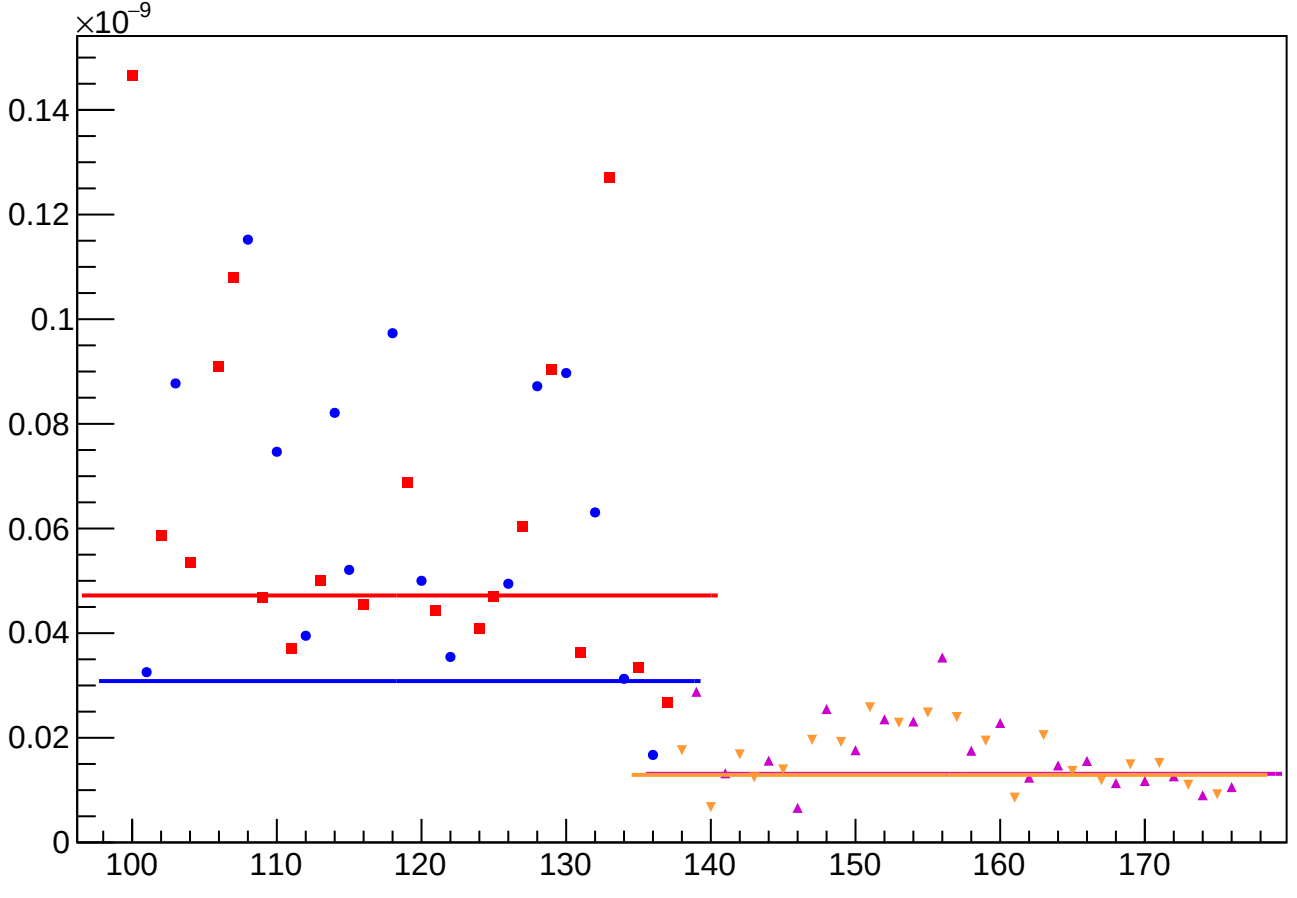
Left: -0.000+/-0.000 χ^2/NDF: 34.9/38

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.0/34

Out: -0.000+/-0.000 χ^2/NDF:39.7/38

All: -0.000+/-0.000 χ^2/NDF: 70.8/73



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549579.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1800979.7/18

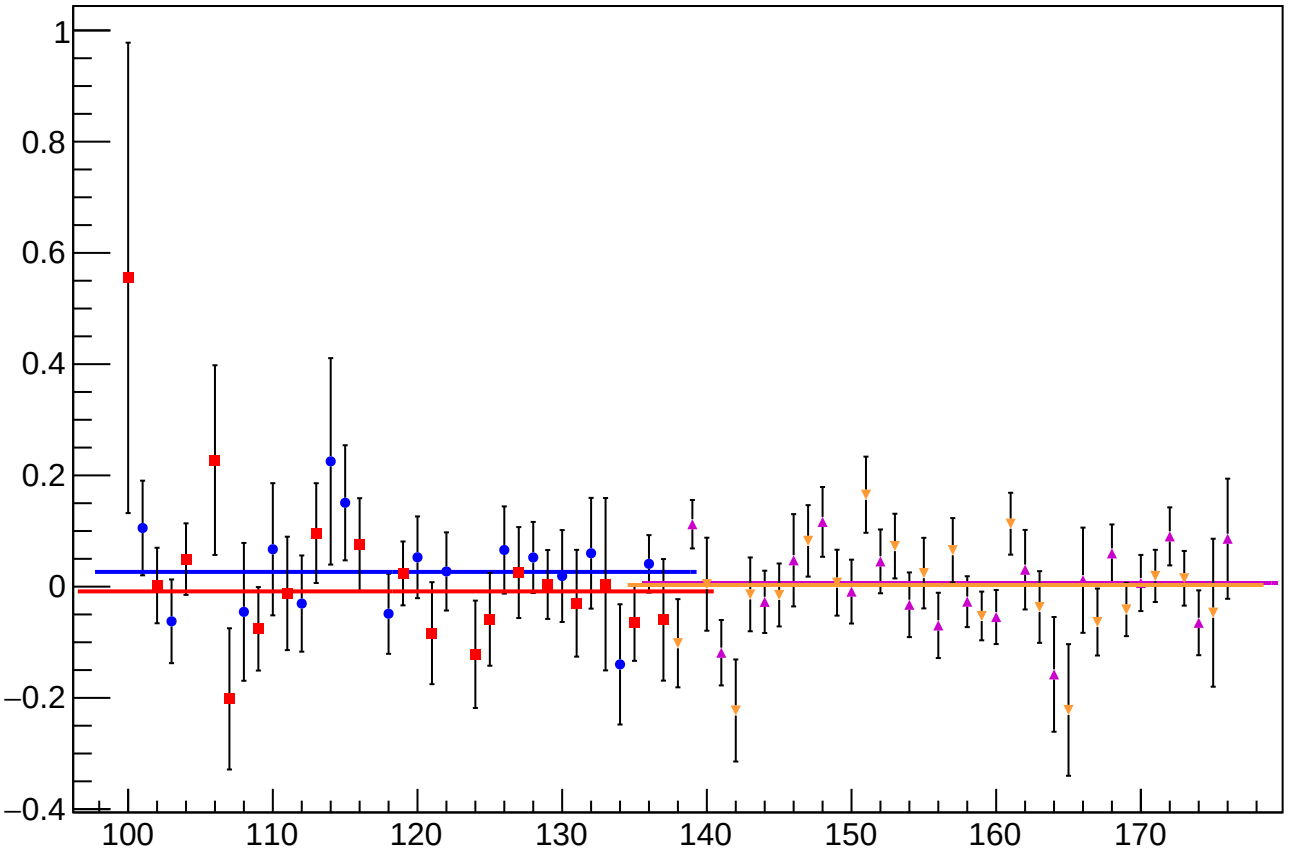
Left: 0.000+/-0.000 χ^2/NDF: 3351717.8/38

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4970514.7/34

Out: 0.000+/-0.000 χ^2/NDF:5033124.7/38

All: 0.000+/-0.000 χ^2/NDF: 10004272.1/73



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

Left: 0.005+/-0.010 χ^2/NDF: 57.0/38

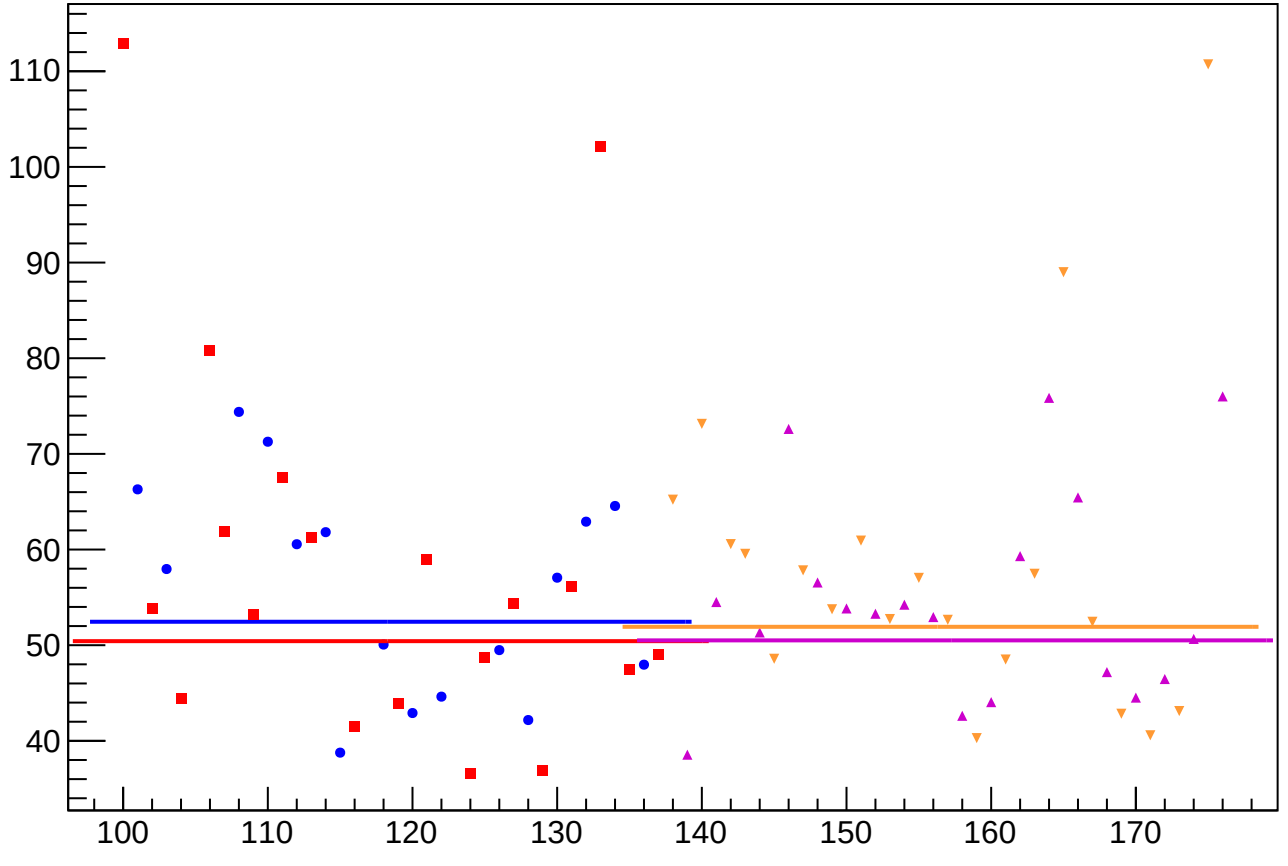
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.006+/-0.008 χ^2/NDF: 82.5/73

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

Left: 51.200+/-0.007 χ^2/NDF: 2117660.6/38

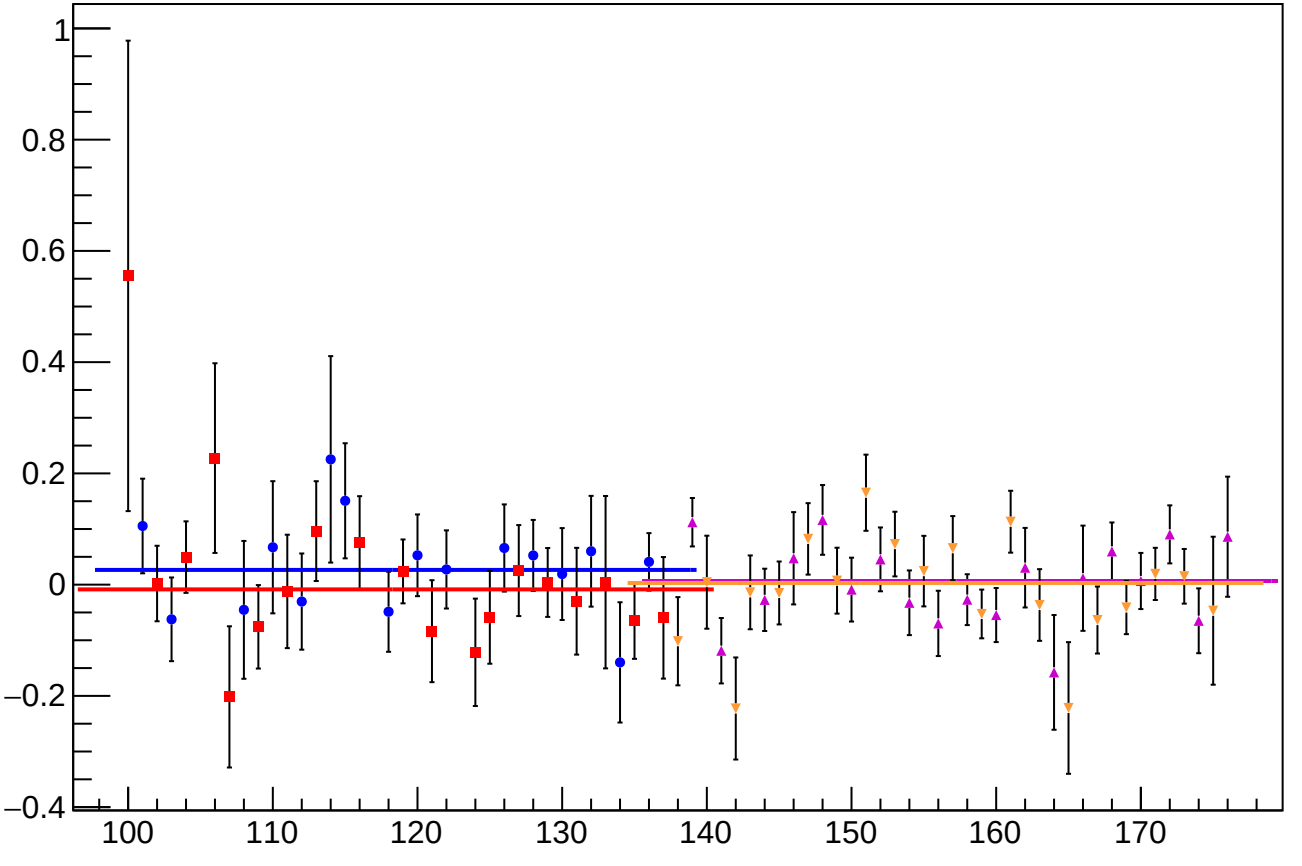
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.093+/-0.008 χ^2/NDF:1230470.7/34

Out: 51.427+/-0.008 χ^2/NDF:1991649.4/38

All: 51.260+/-0.006 χ^2/NDF: 3223008.9/73

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

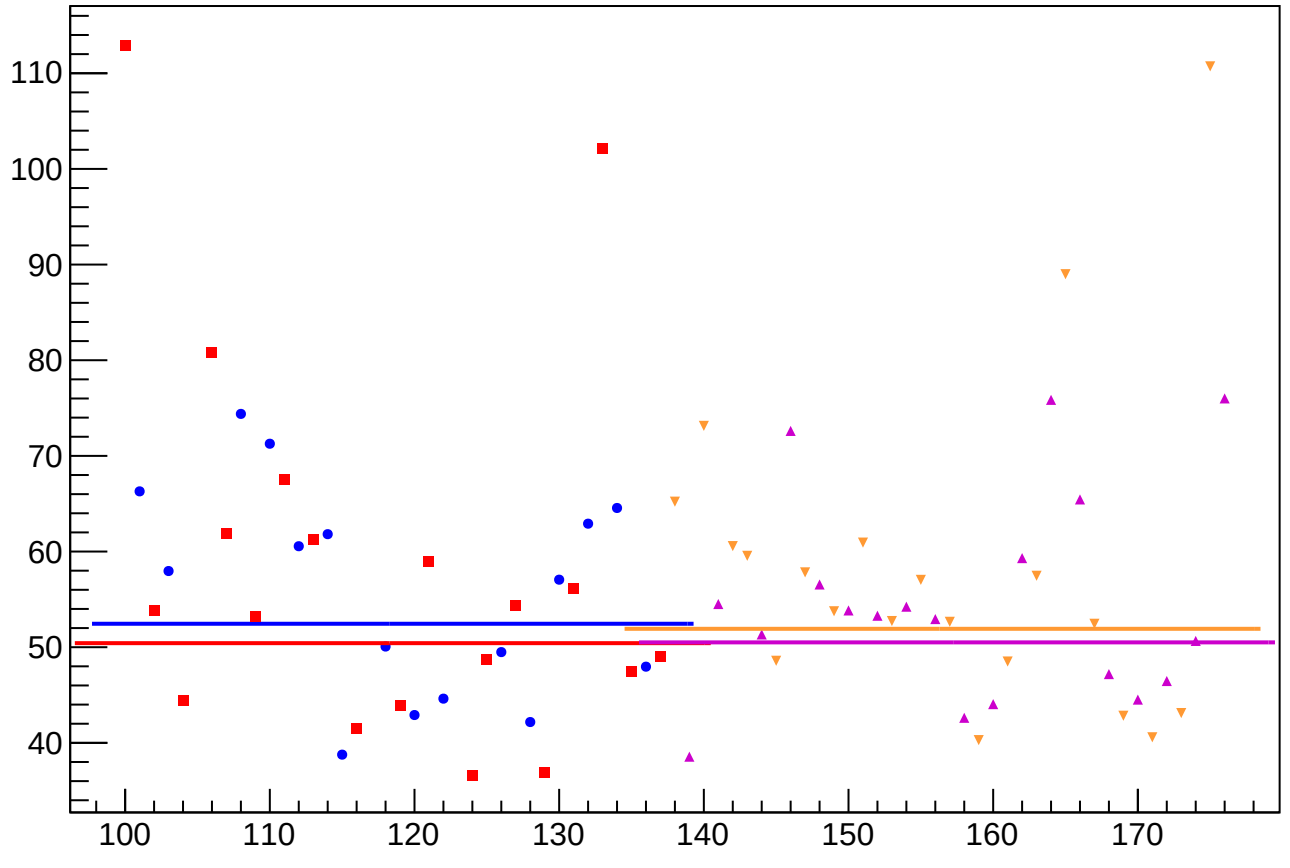
Left: 0.005+/-0.010 χ^2/NDF: 57.0/38

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.006+/-0.008 χ^2/NDF: 82.5/73



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306960.5/19

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

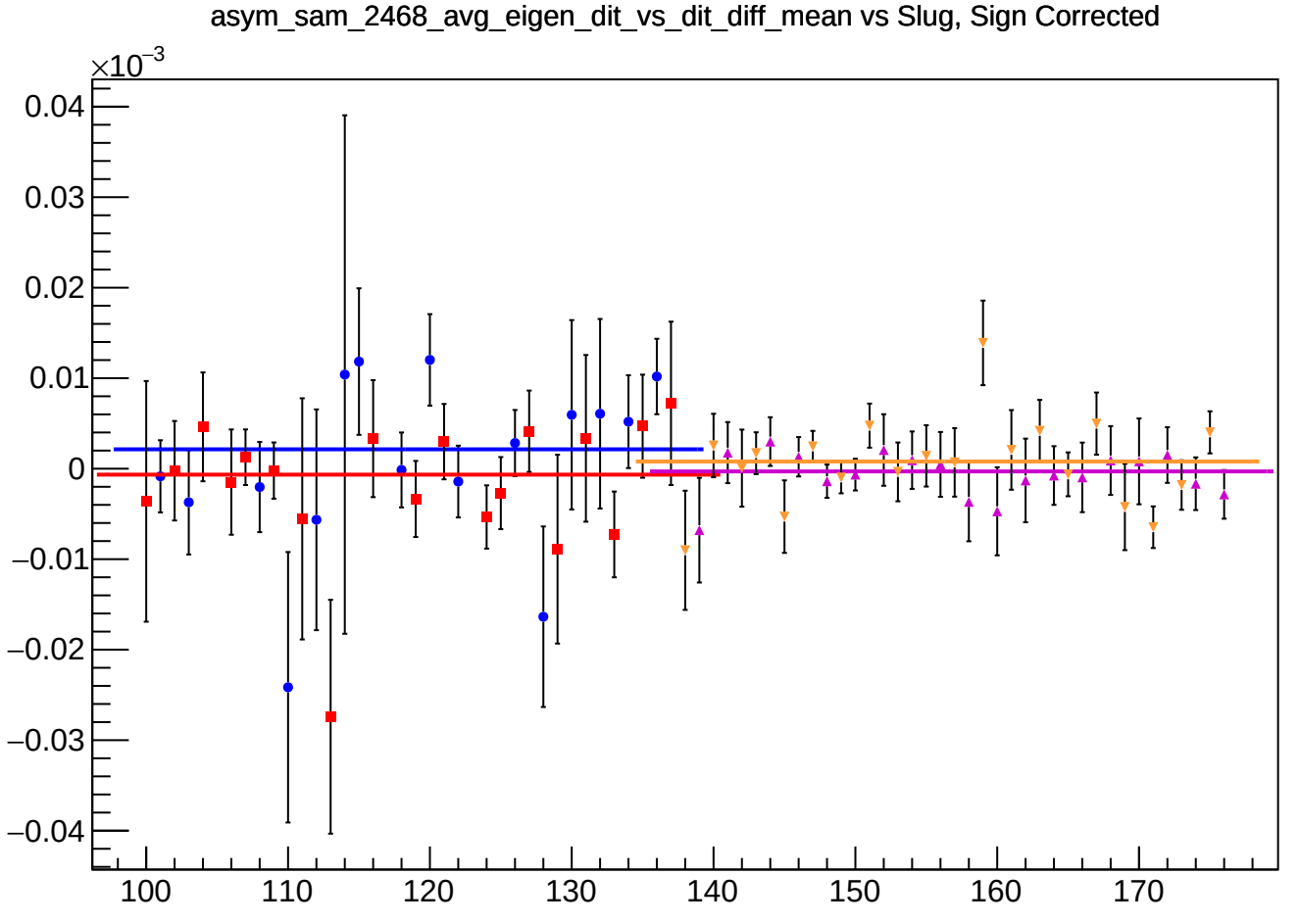
Left: 51.200+/-0.007 χ^2/NDF: 2117660.6/38

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.093+/-0.008 χ^2/NDF:1230470.7/34

Out: 51.427+/-0.008 χ^2/NDF:1991649.4/38

All: 51.260+/-0.006 χ^2/NDF: 3223008.9/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/18

Left: 0.000+/-0.000 χ^2/NDF: 43.5/38

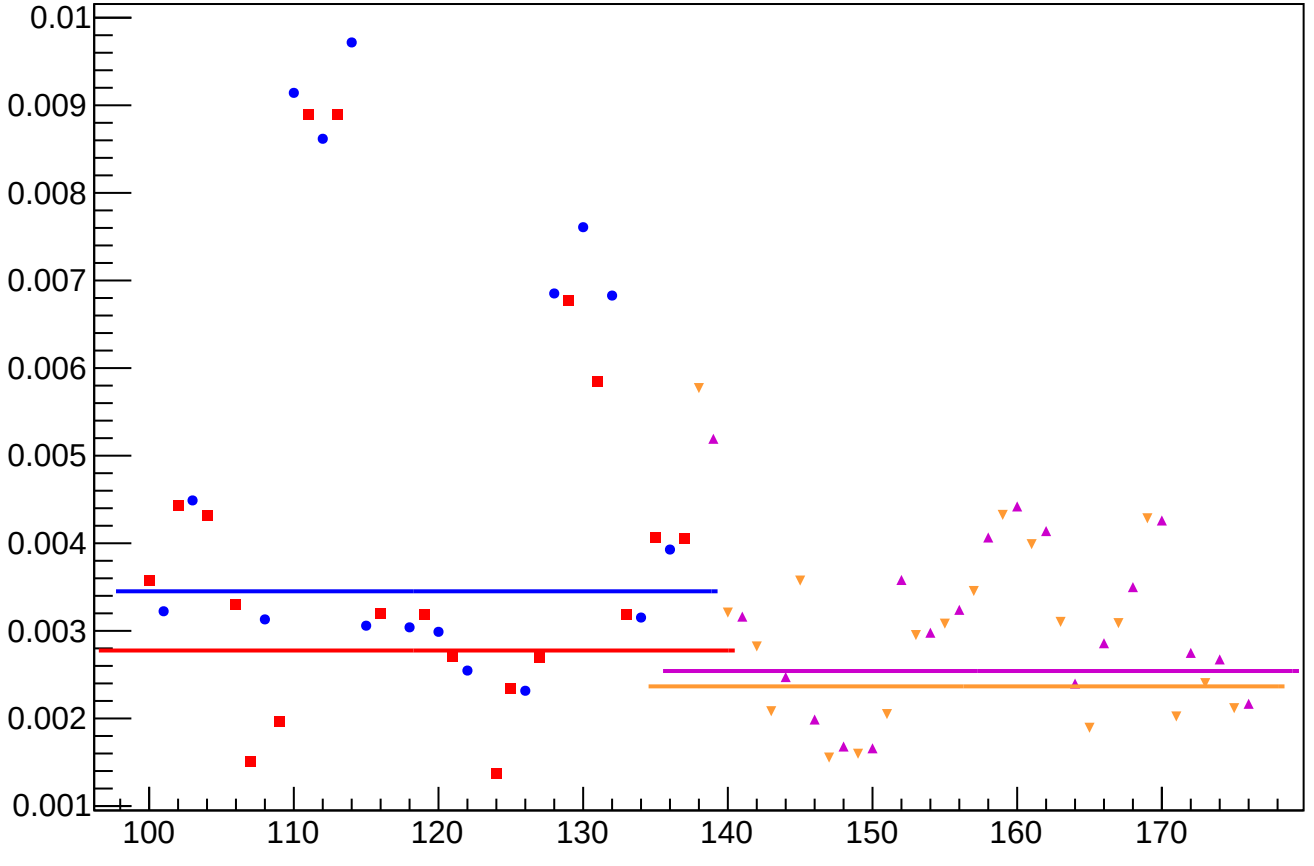
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:30.3/34

Out: 0.000+/-0.000 χ^2/NDF:50.5/38

All: 0.000+/-0.000 χ^2/NDF: 80.9/73

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3348944.8/19

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3059854.3/18

Left: 0.002+/-0.000 χ^2/NDF: 6479125.6/38

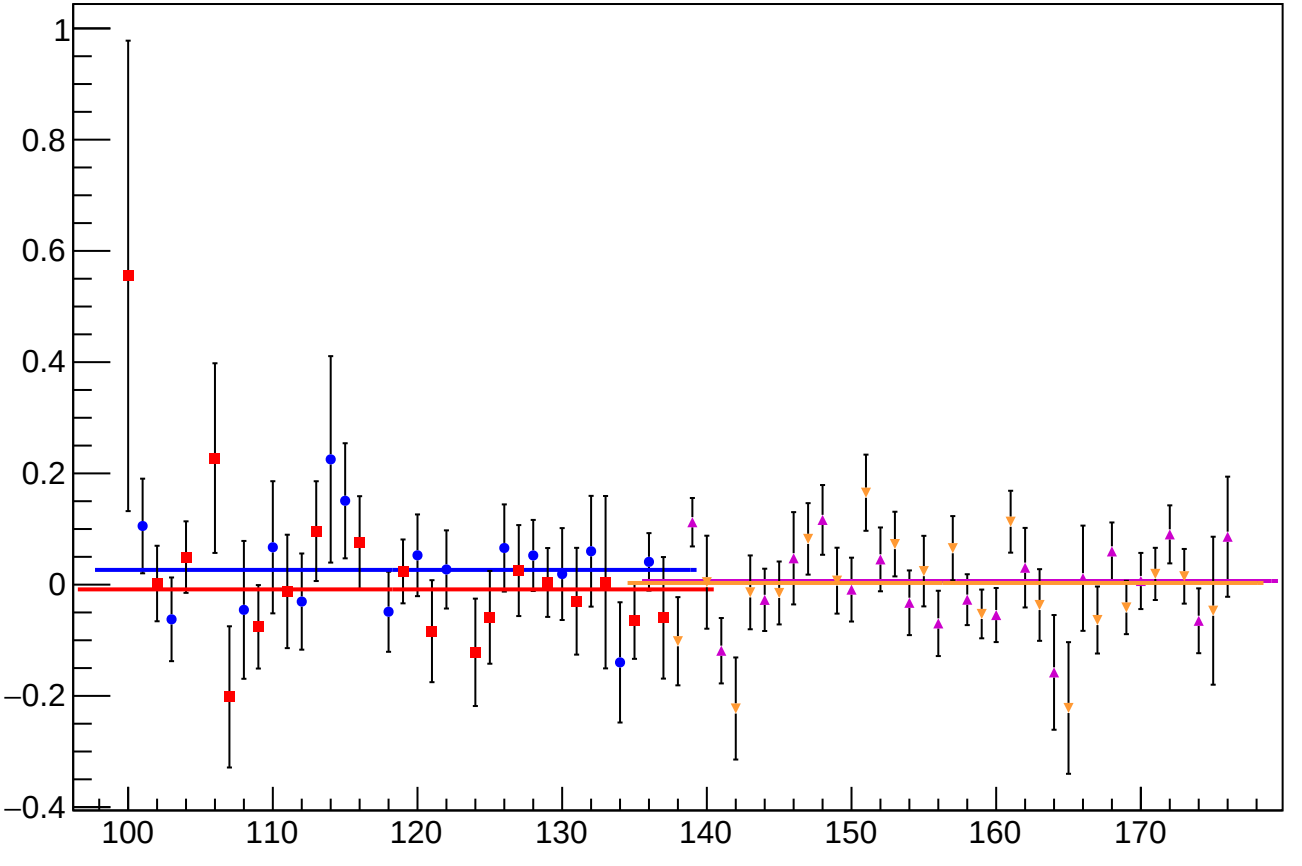
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5702719.2/34

Out: 0.002+/-0.000 χ^2/NDF:6278823.9/38

All: 0.003+/-0.000 χ^2/NDF: 12177788.2/73

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

Left: 0.005+/-0.010 χ^2/NDF: 57.0/38

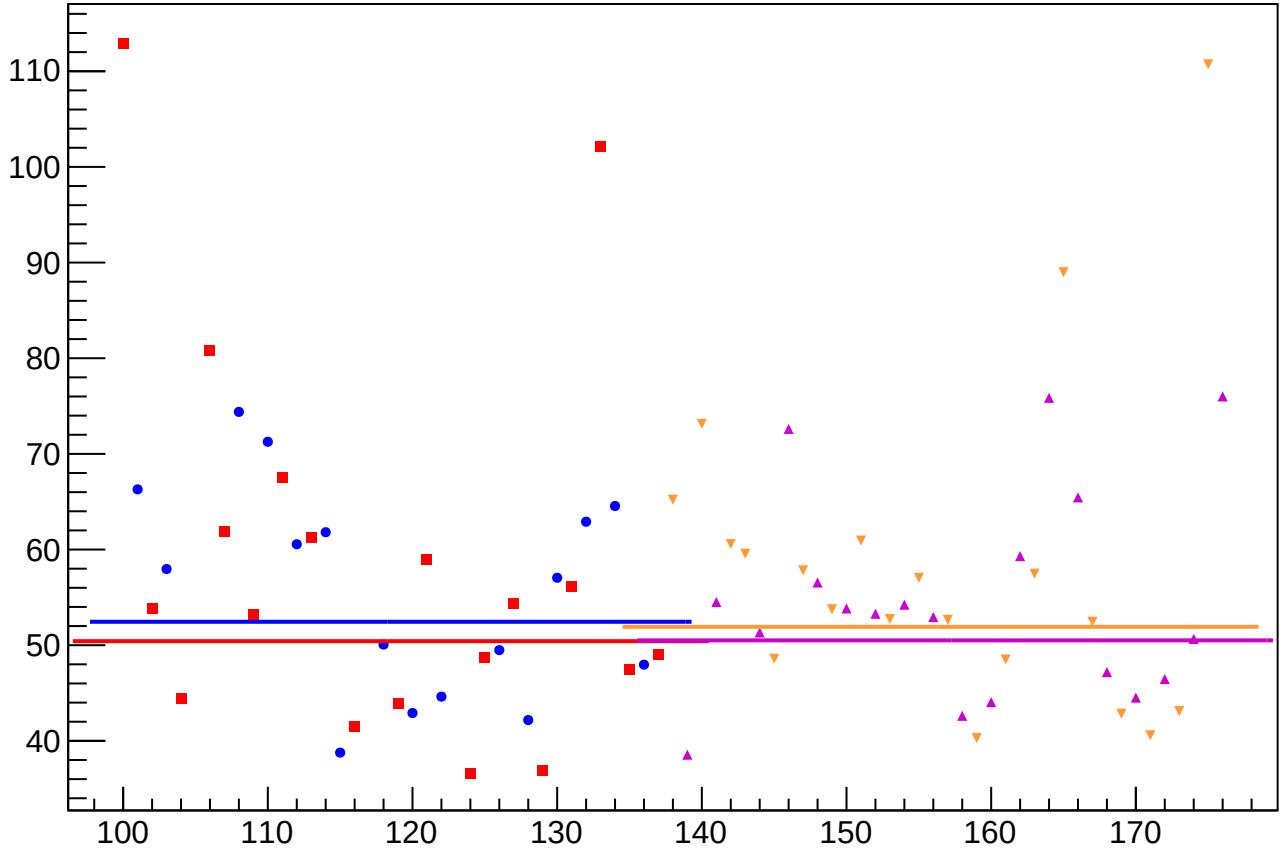
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.006+/-0.008 χ^2/NDF: 82.5/73

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

Left: 51.201+/-0.007 χ^2/NDF: 2117748.6/38

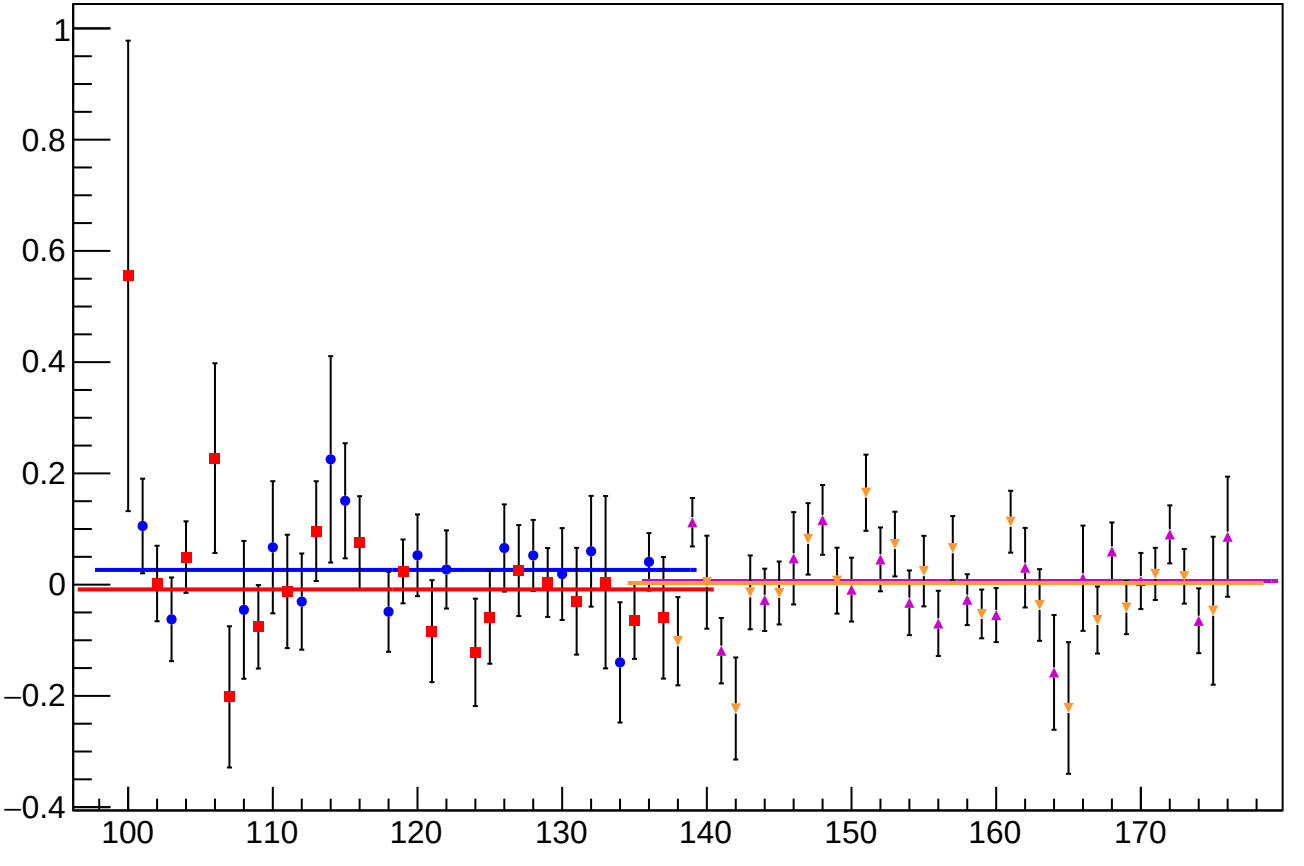
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.093+/-0.008 χ^2/NDF:1230476.0/34

Out: 51.427+/-0.008 χ^2/NDF:1991687.9/38

All: 51.260+/-0.006 χ^2/NDF: 3223052.6/73

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: 0.003+/-0.014 χ^2/NDF:29.7/19

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

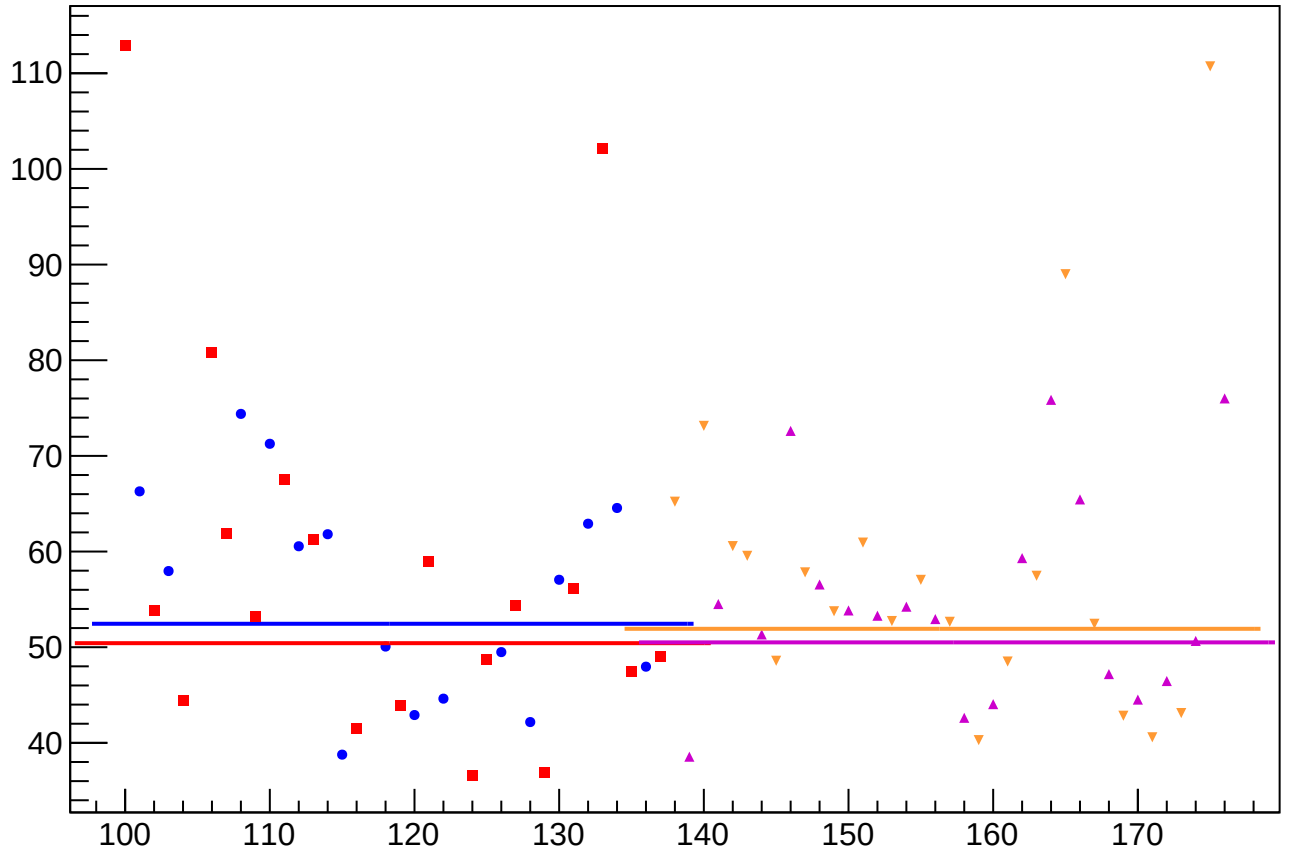
Left: 0.005+/-0.010 χ^2/NDF: 57.0/38

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.001+/-0.011 χ^2/NDF:43.9/38

All: 0.006+/-0.008 χ^2/NDF: 82.5/73



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.923+/-0.010 χ^2/NDF:1306977.1/19

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

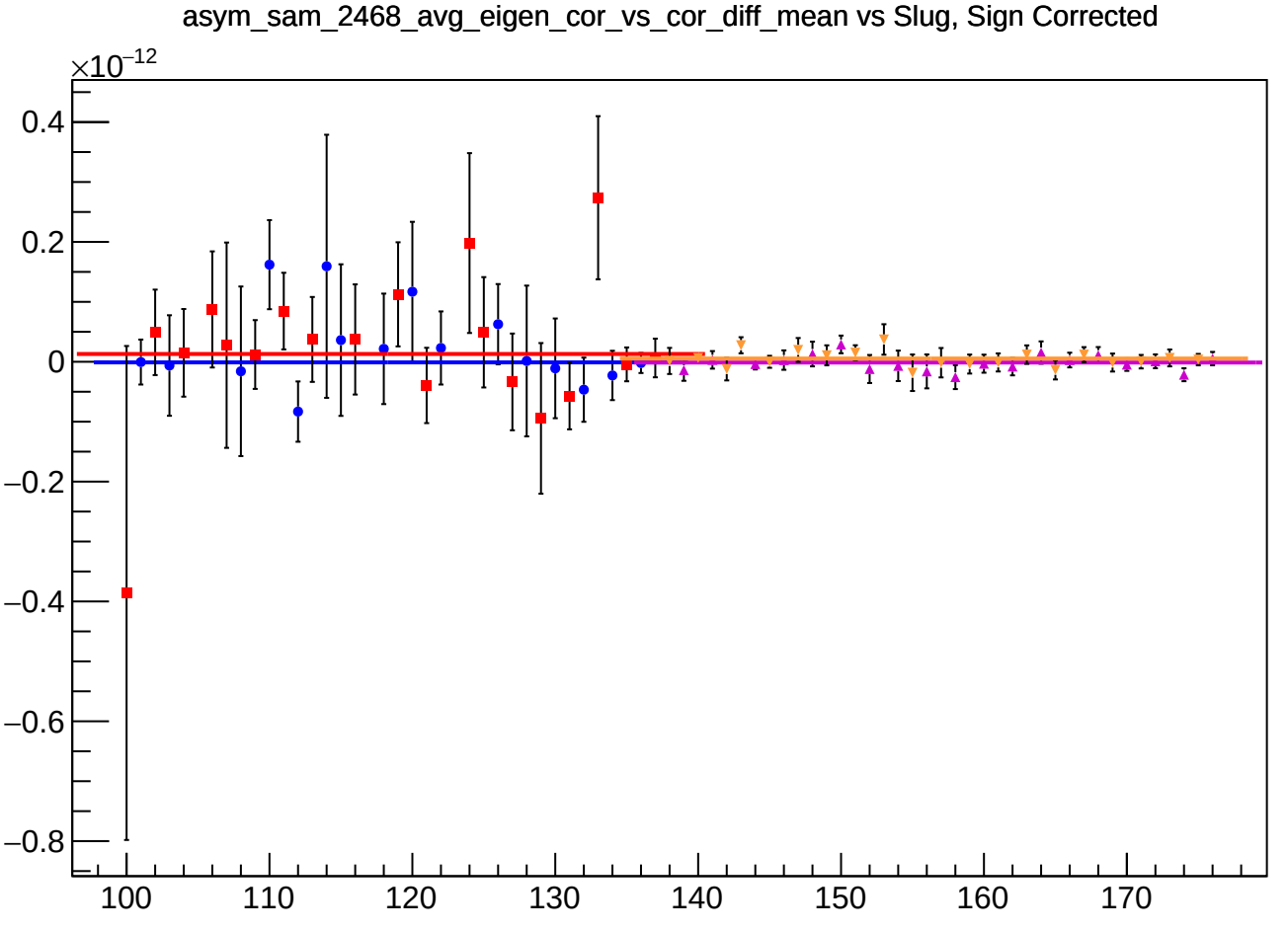
Left: 51.201+/-0.007 χ^2/NDF: 2117748.6/38

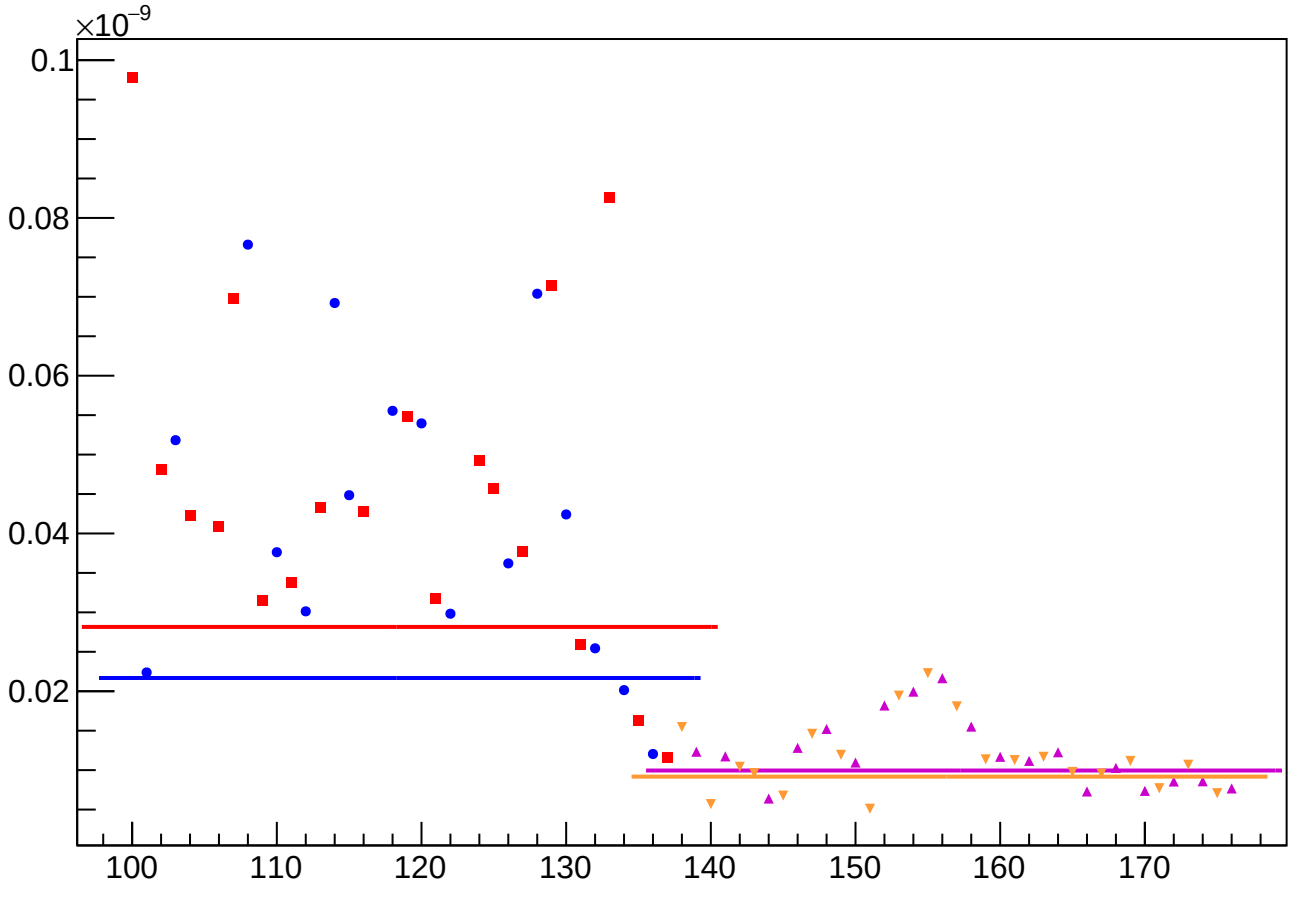
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.093+/-0.008 χ^2/NDF:1230476.0/34

Out: 51.427+/-0.008 χ^2/NDF:1991687.9/38

All: 51.260+/-0.006 χ^2/NDF: 3223052.6/73


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:10.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/18
Left: 0.000+/-0.000 χ²/NDF: 25.9/38
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:24.7/34
Out: 0.000+/-0.000 χ²/NDF:24.2/38
All: 0.000+/-0.000 χ²/NDF: 51.4/73



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2358335.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2060843.1/18

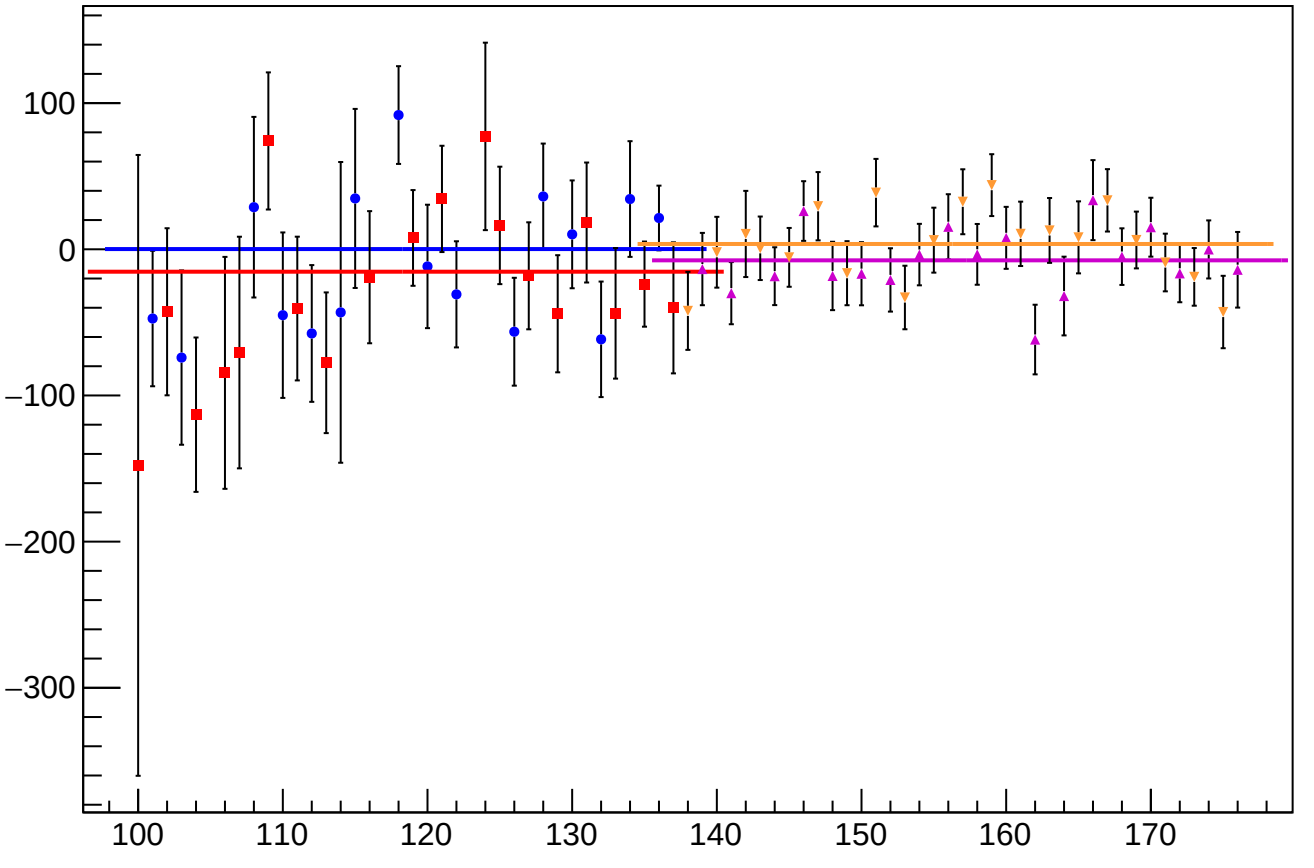
Left: 0.000+/-0.000 χ^2/NDF: 4478920.1/38

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6369162.0/34

Out: 0.000+/-0.000 χ^2/NDF:8015370.0/38

All: 0.000+/-0.000 χ^2/NDF: 14442592.0/73



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.633+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

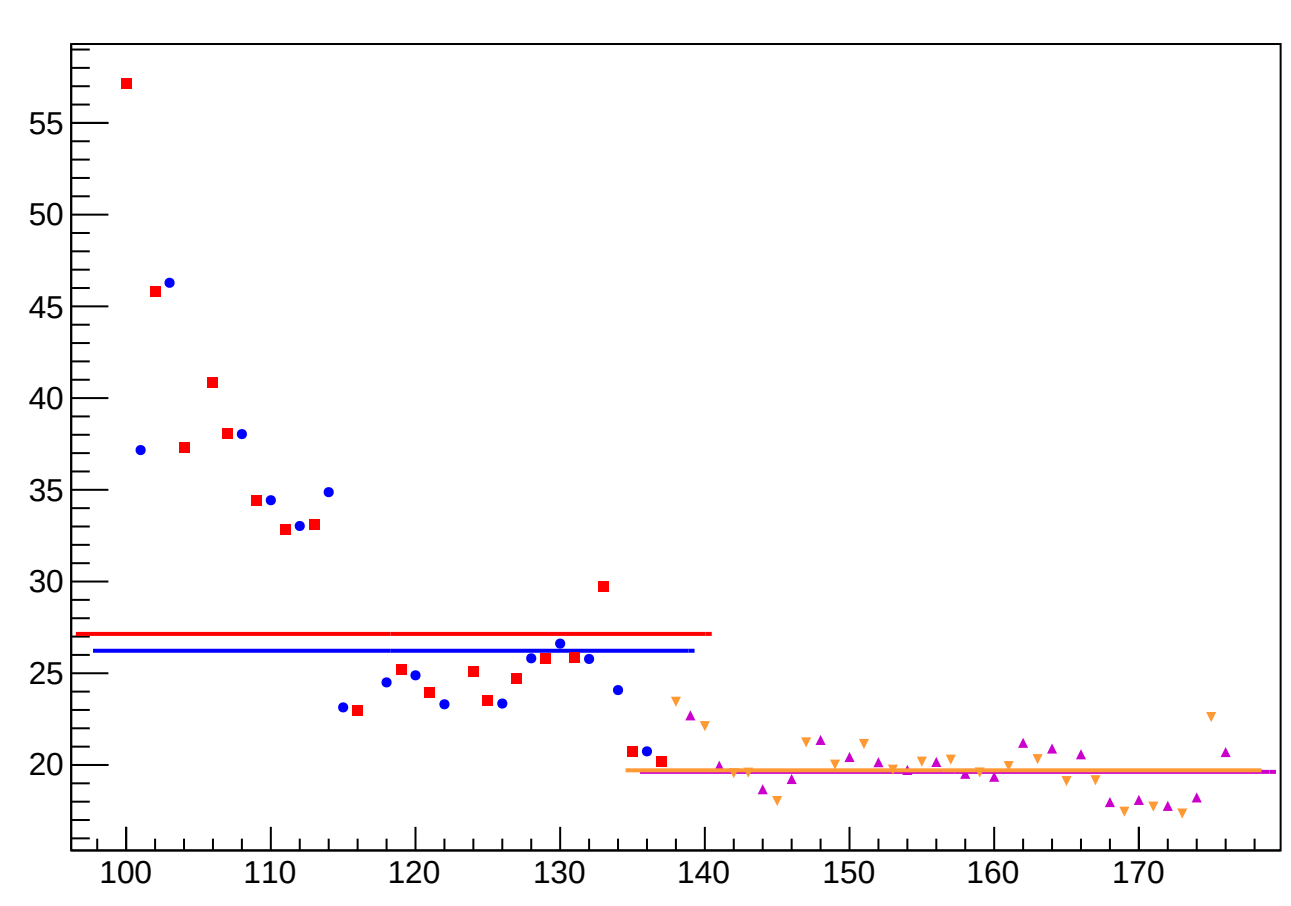
Left: -1.930+/-3.529 χ^2/NDF: 42.4/38

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: 0.026+/-4.477 χ^2/NDF:44.0/38

All: -2.998+/-3.167 χ^2/NDF: 83.4/73



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

Left: 19.667+/-0.002 χ^2/NDF: 325568.1/38

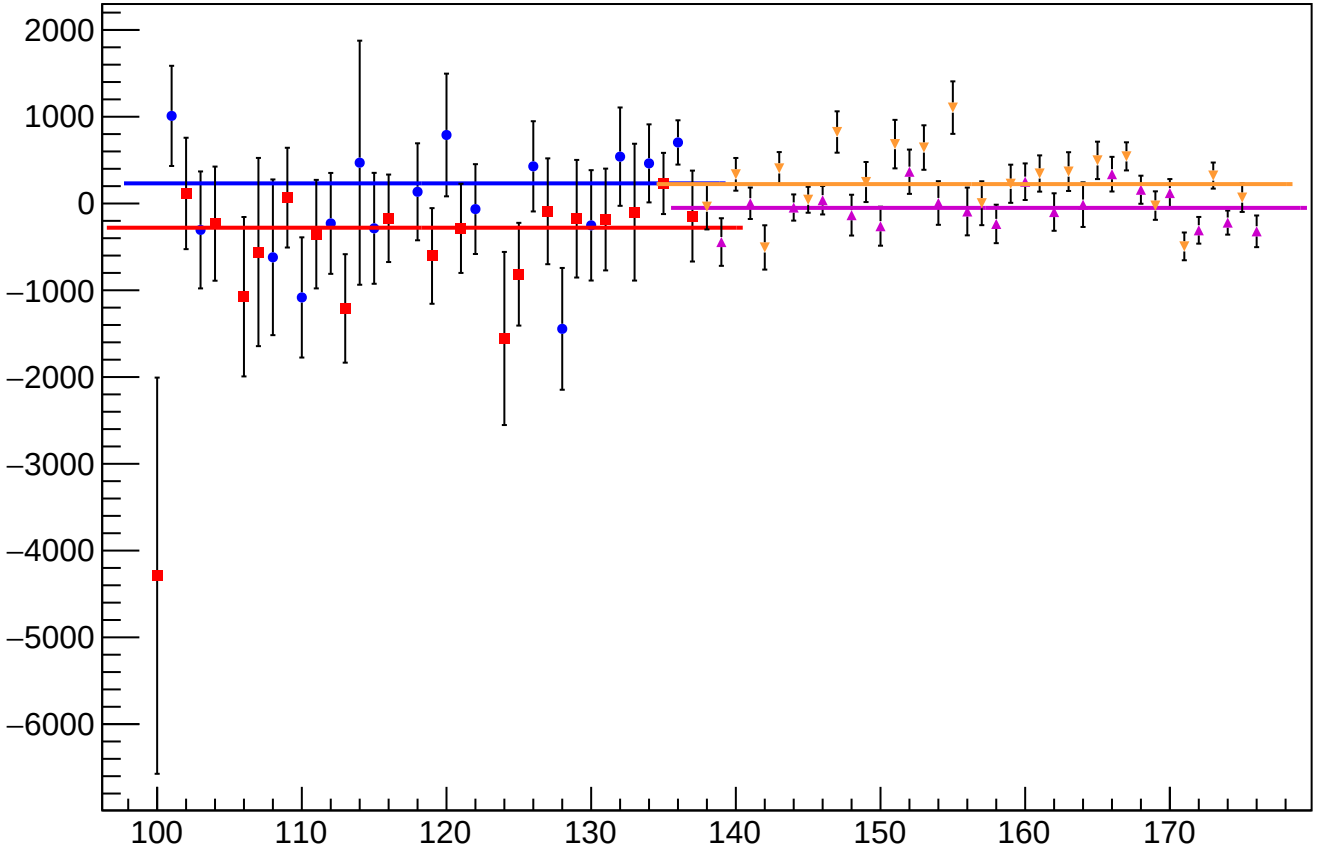
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.937+/-0.003 χ^2/NDF:1494051.6/34

Out: 21.123+/-0.003 χ^2/NDF:1804267.3/38

All: 21.030+/-0.002 χ^2/NDF: 3300044.0/73

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: 223.627+/-44.624 χ^2/NDF:62.9/19

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -50.523+/-44.183 χ^2/NDF:22.1/18

Left: 85.191+/-31.397 χ^2/NDF: 104.0/38

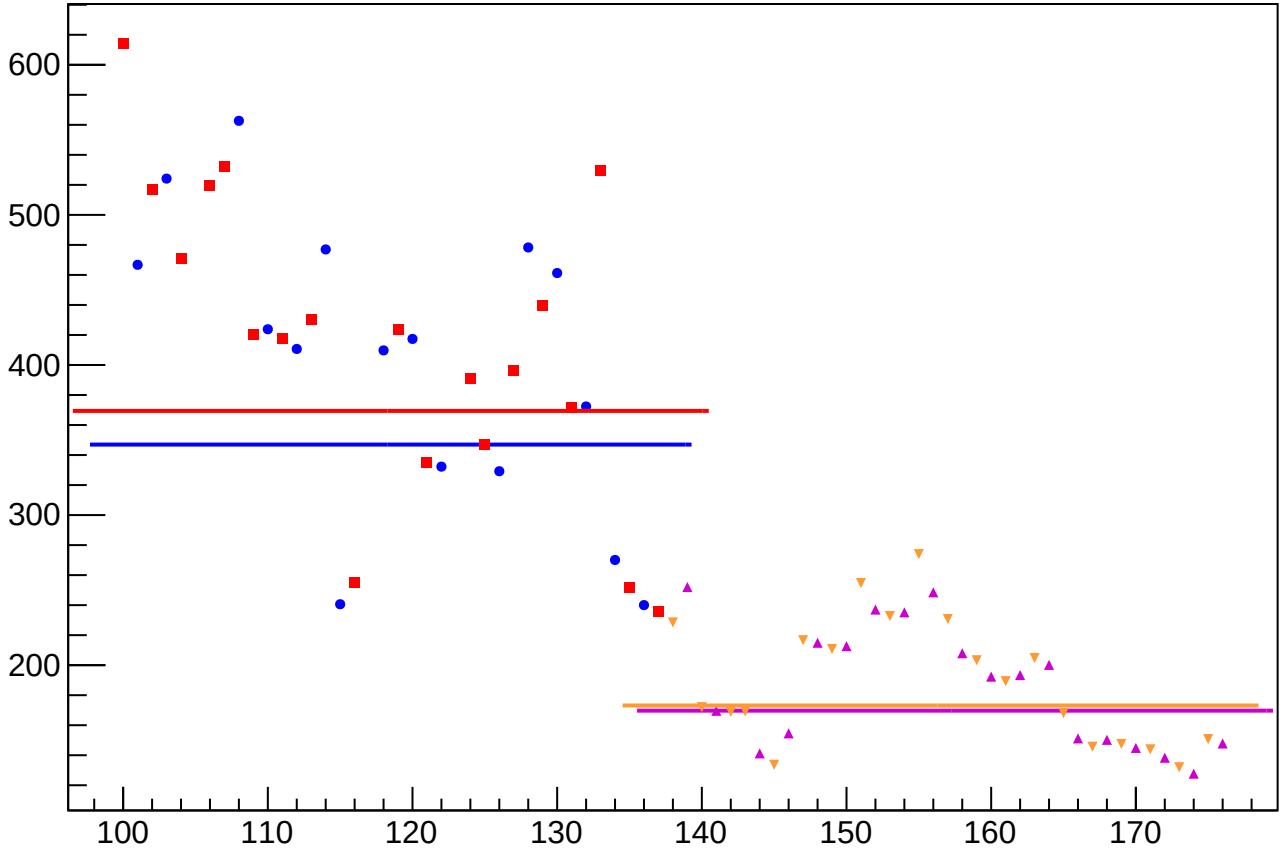
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -23.133+/-41.987 χ^2/NDF:45.7/34

Out: 177.247+/-42.515 χ^2/NDF:86.7/38

All: 75.805+/-29.874 χ^2/NDF: 143.6/73

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: 173.141+/-0.032 χ^2/NDF:1404362.1/19

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377202.2/18

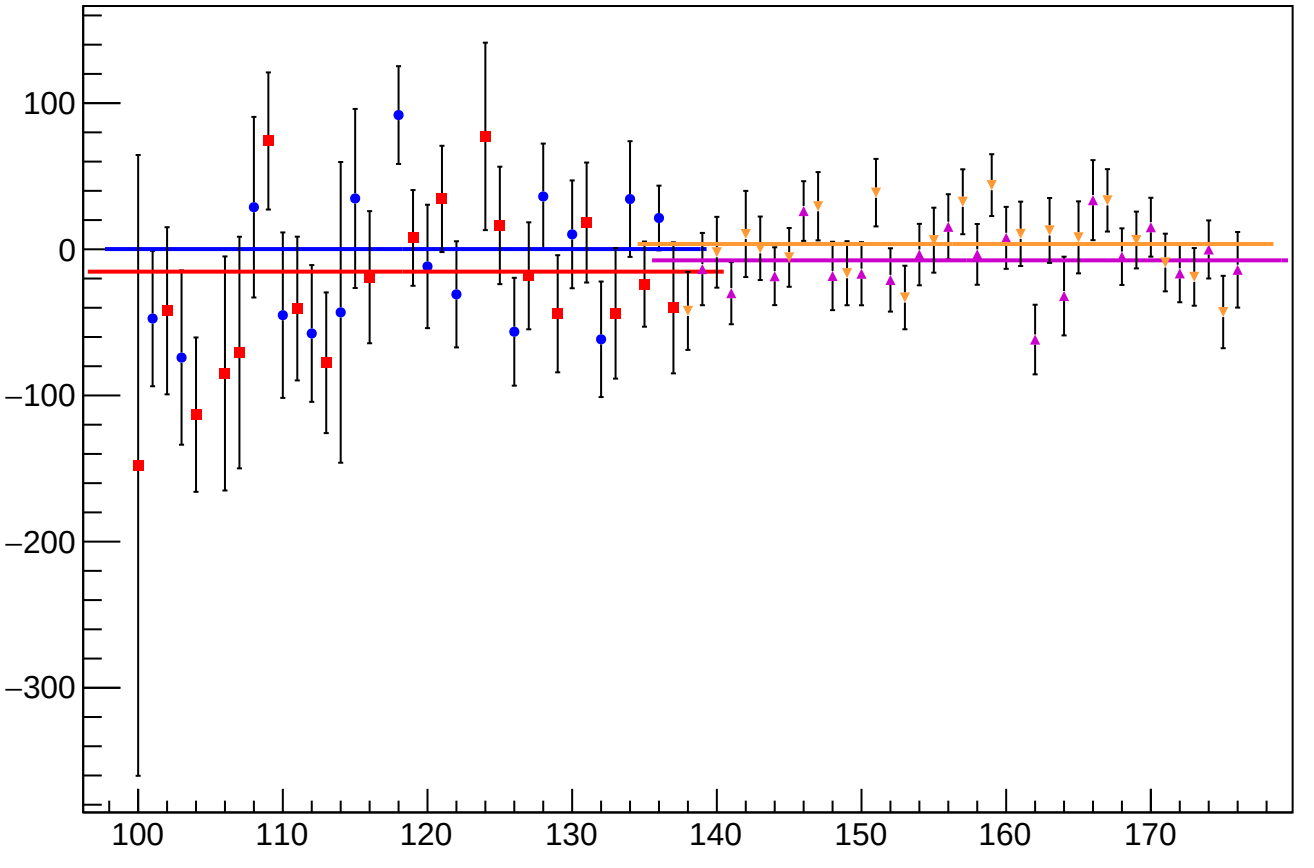
Left: 171.406+/-0.022 χ^2/NDF: 2787554.9/38

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 186.884+/-0.030 χ^2/NDF:5555314.4/34

Out: 191.250+/-0.030 χ^2/NDF:5893083.7/38

All: 189.040+/-0.021 χ^2/NDF: 11459076.4/73



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

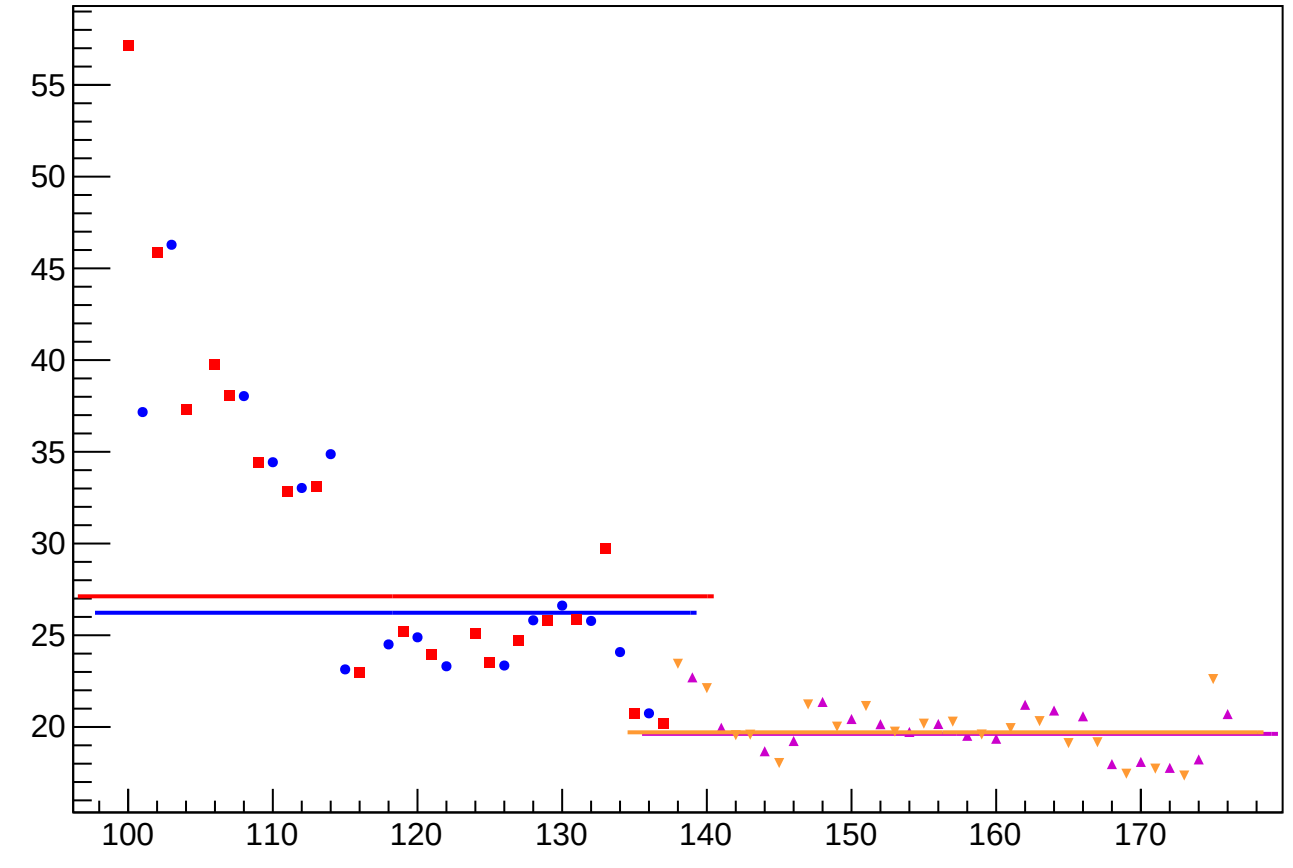
Left: -1.930+/-3.529 χ^2/NDF: 42.4/38

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: 0.034+/-4.477 χ^2/NDF:44.0/38

All: -2.994+/-3.167 χ^2/NDF: 83.3/73



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

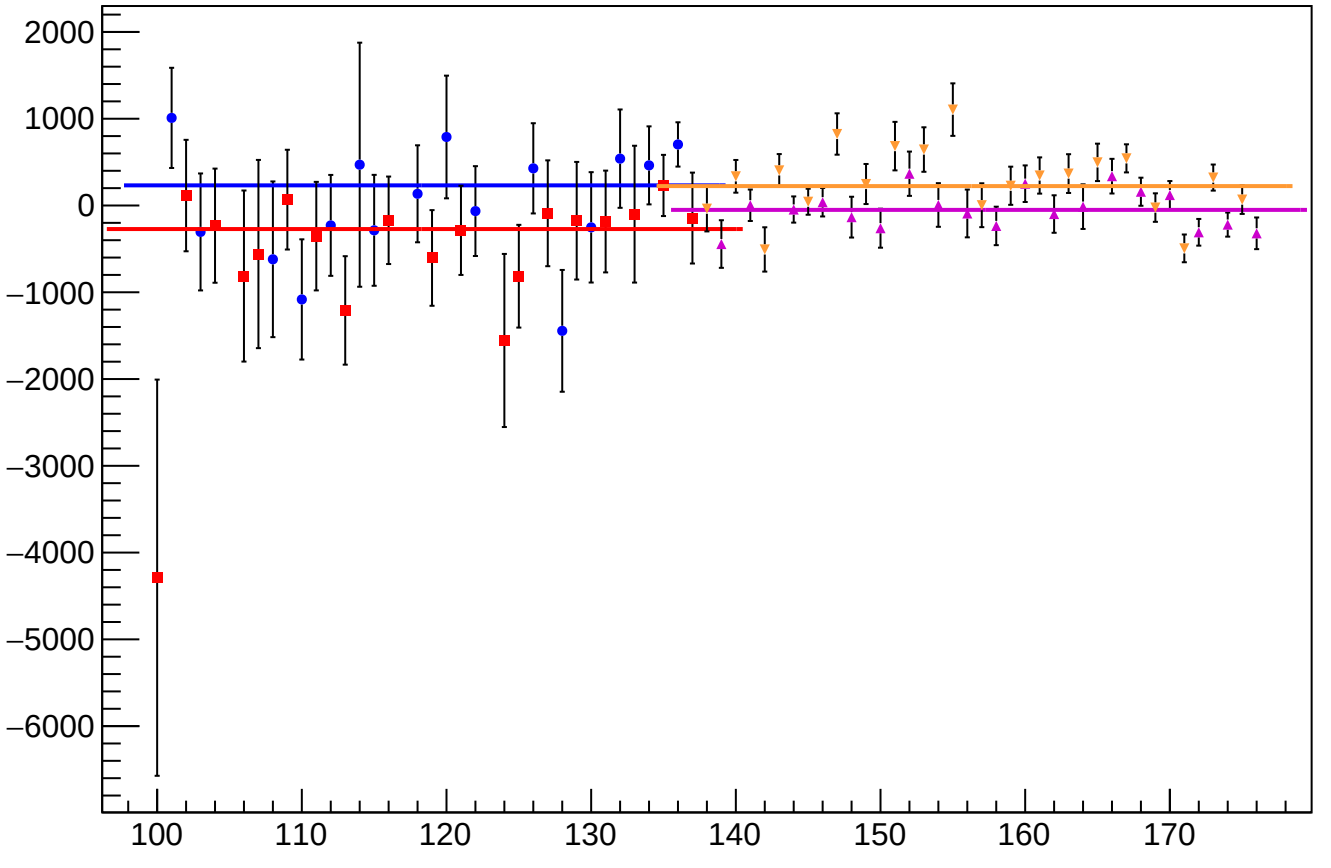
Left: 19.667+/-0.002 χ^2/NDF: 325568.1/38

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.937+/-0.003 χ^2/NDF:1494054.9/34

Out: 21.119+/-0.003 χ^2/NDF:1789295.2/38

All: 21.028+/-0.002 χ^2/NDF: 3284991.9/73



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -50.524+/-44.183 χ^2/NDF:22.1/18

Left: 85.191+/-31.397 χ^2/NDF: 104.0/38

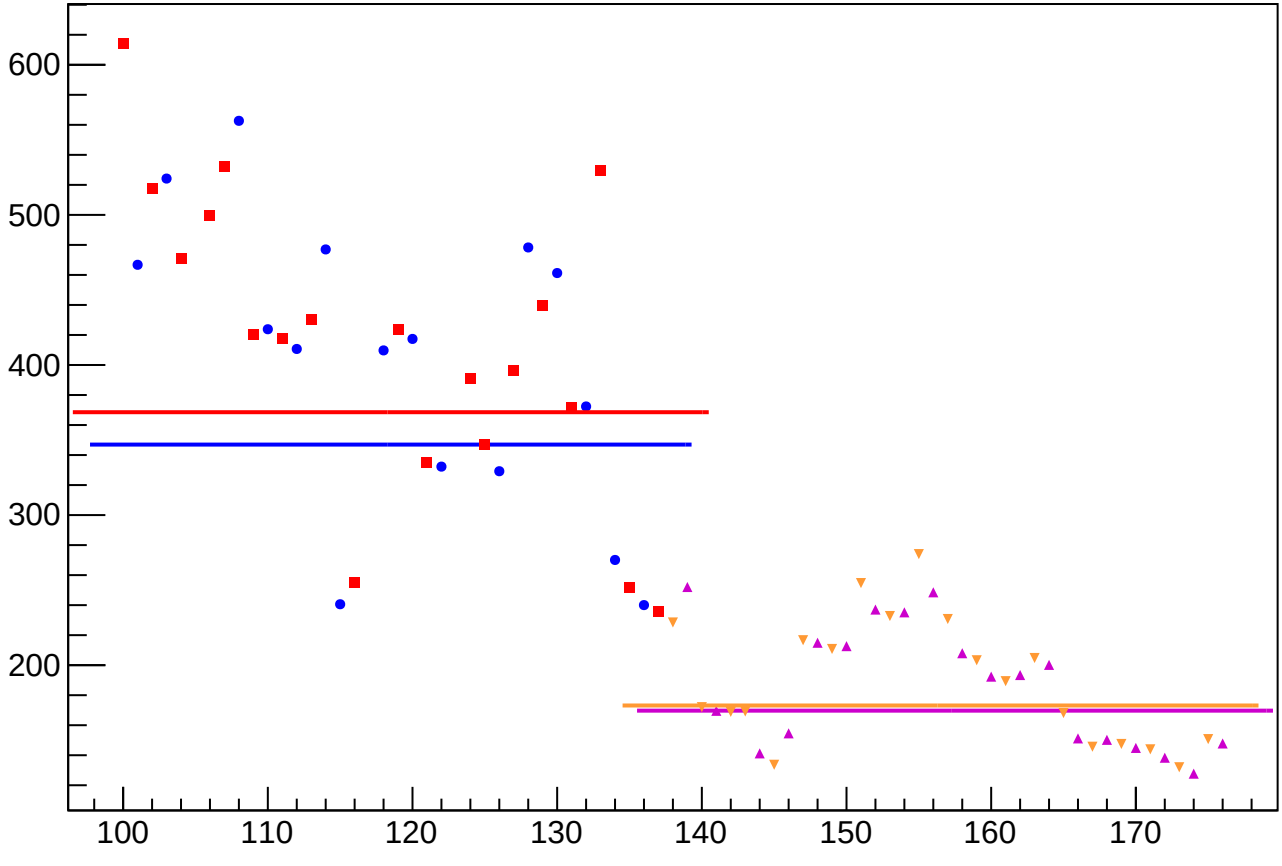
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -23.134+/-41.987 χ^2/NDF:45.7/34

Out: 178.079+/-42.521 χ^2/NDF:85.8/38

All: 76.201+/-29.877 χ^2/NDF: 142.9/73

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: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

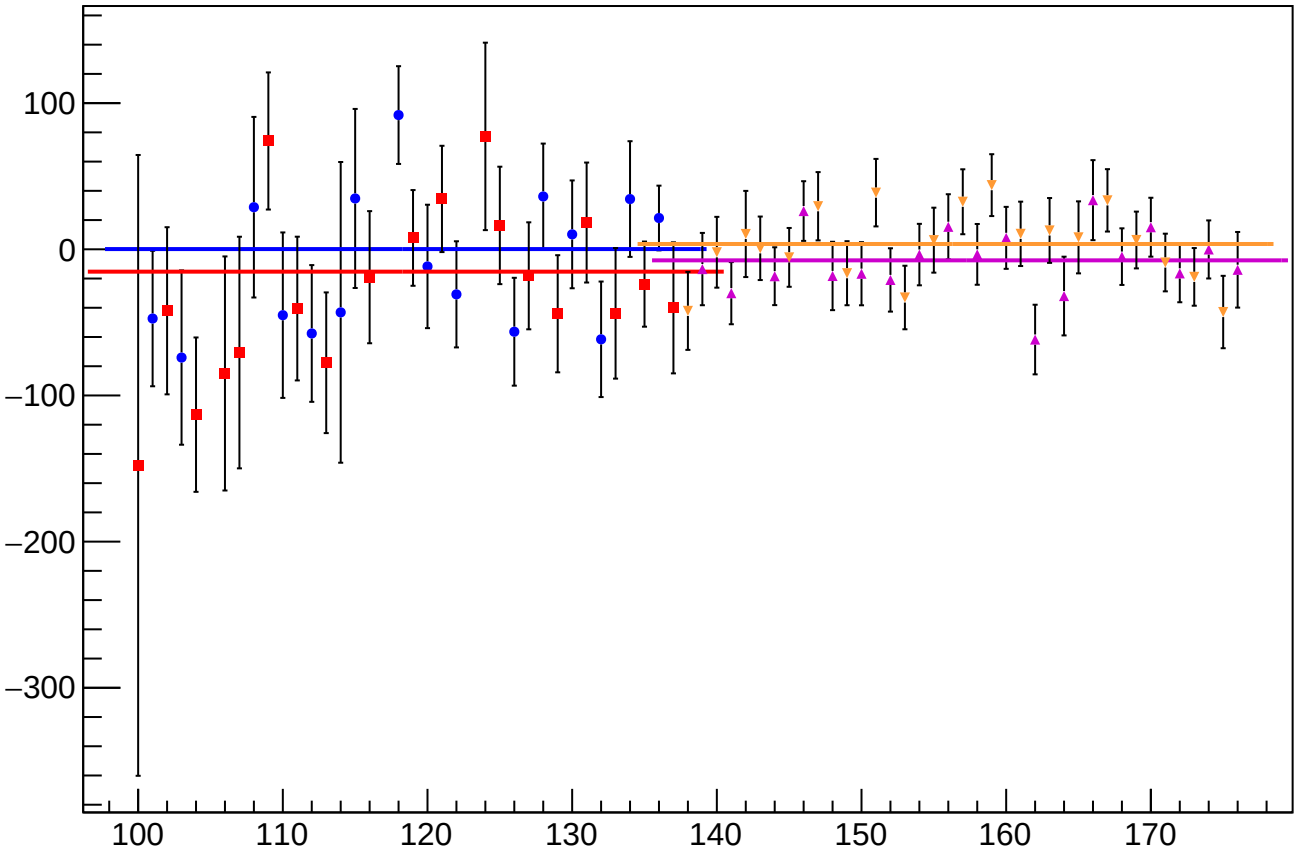
Left: 171.406+/-0.022 χ^2/NDF: 2787554.1/38

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 186.884+/-0.030 χ^2/NDF:5555332.5/34

Out: 191.120+/-0.030 χ^2/NDF:5833023.1/38

All: 188.975+/-0.021 χ^2/NDF: 11398401.8/73



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.632+/-4.975 χ^2/NDF:23.3/19

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

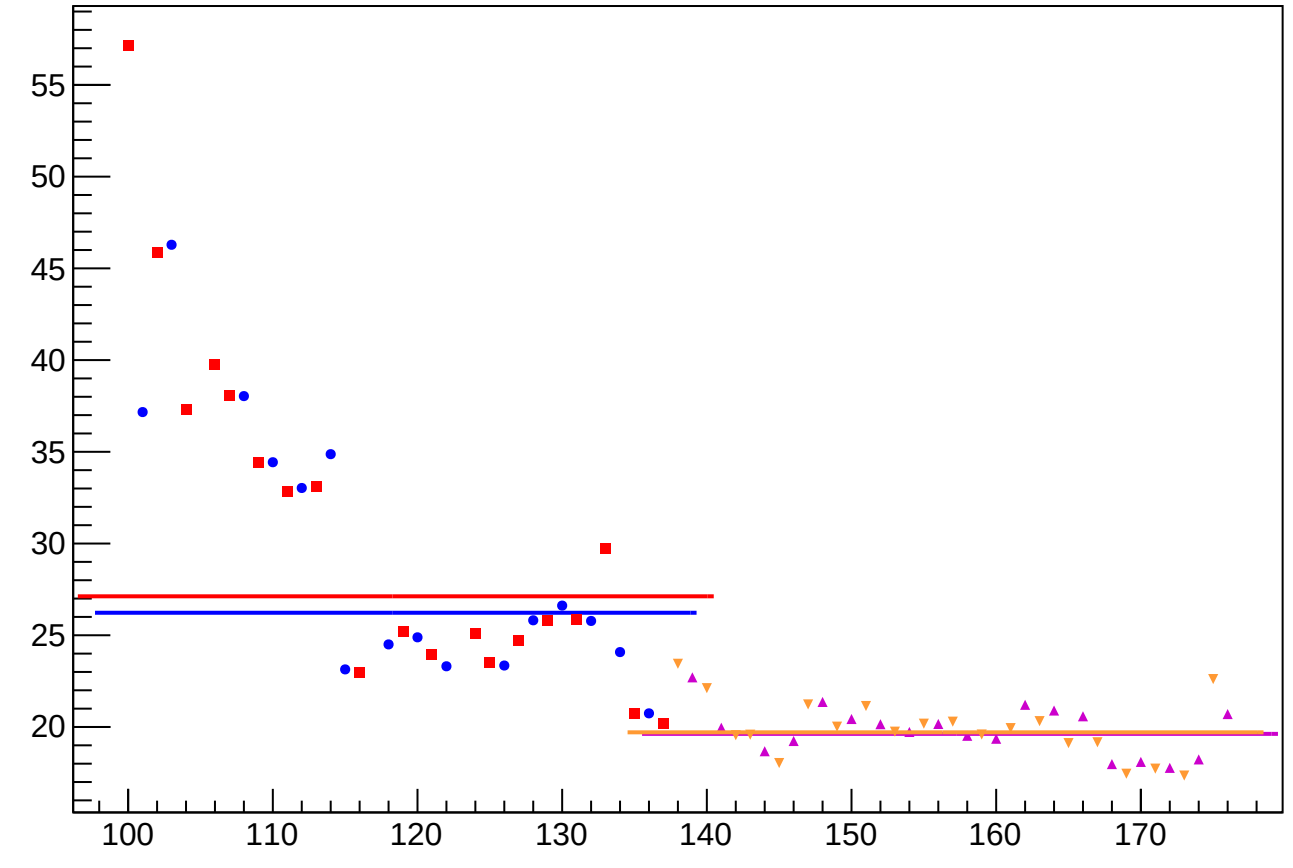
Left: -1.930+/-3.529 χ^2/NDF: 42.4/38

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: 0.034+/-4.477 χ^2/NDF:44.0/38

All: -2.994+/-3.167 χ^2/NDF: 83.3/73



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.709+/-0.004 χ^2/NDF:199156.9/19

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

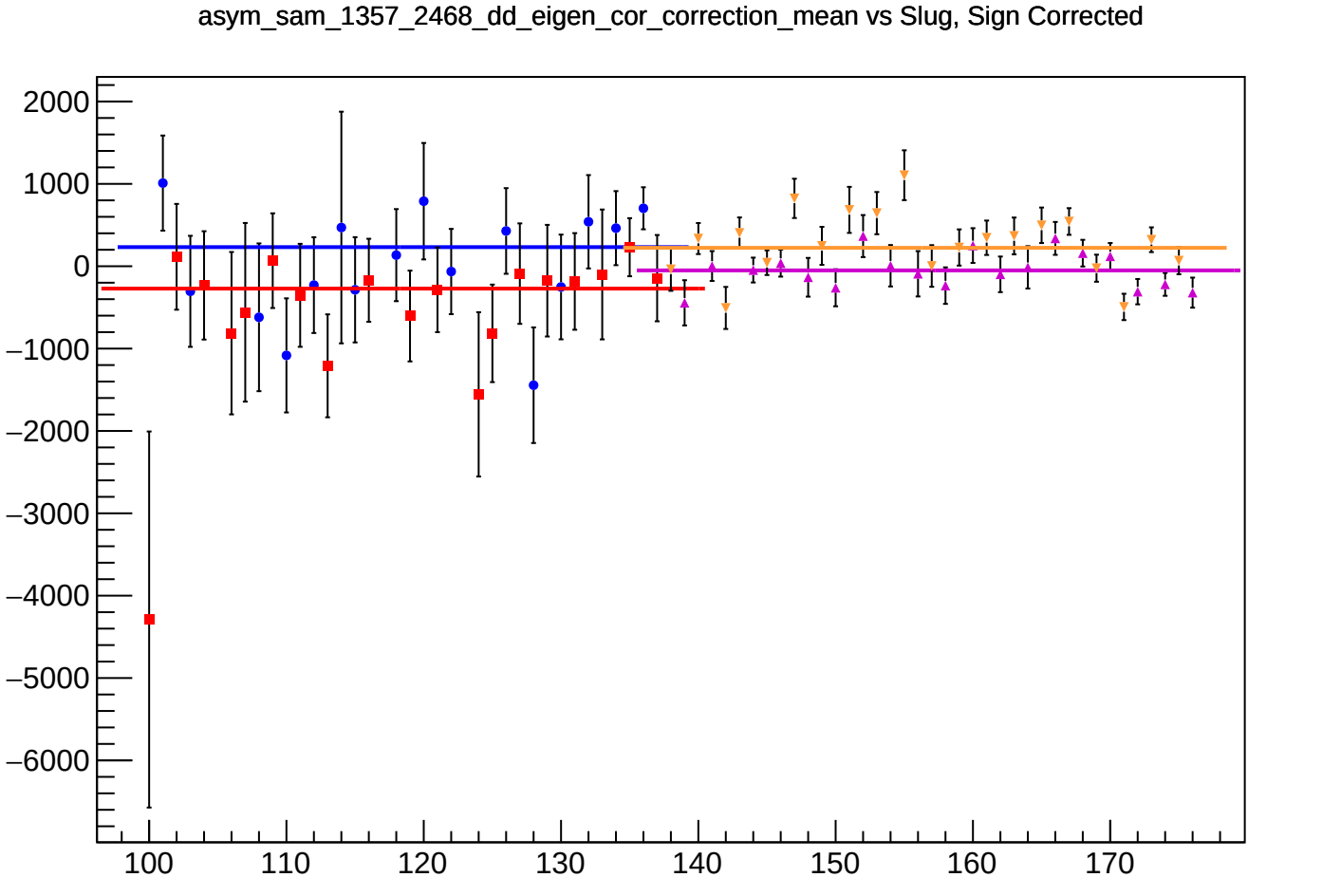
Left: 19.667+/-0.002 χ^2/NDF: 325568.1/38

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.937+/-0.003 χ^2/NDF:1494054.9/34

Out: 21.119+/-0.003 χ^2/NDF:1789295.2/38

All: 21.028+/-0.002 χ^2/NDF: 3284991.9/73



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 223.626+/-44.624 χ^2/NDF:62.9/19

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -50.524+/-44.183 χ^2/NDF:22.1/18

Left: 85.191+/-31.397 χ^2/NDF: 104.0/38

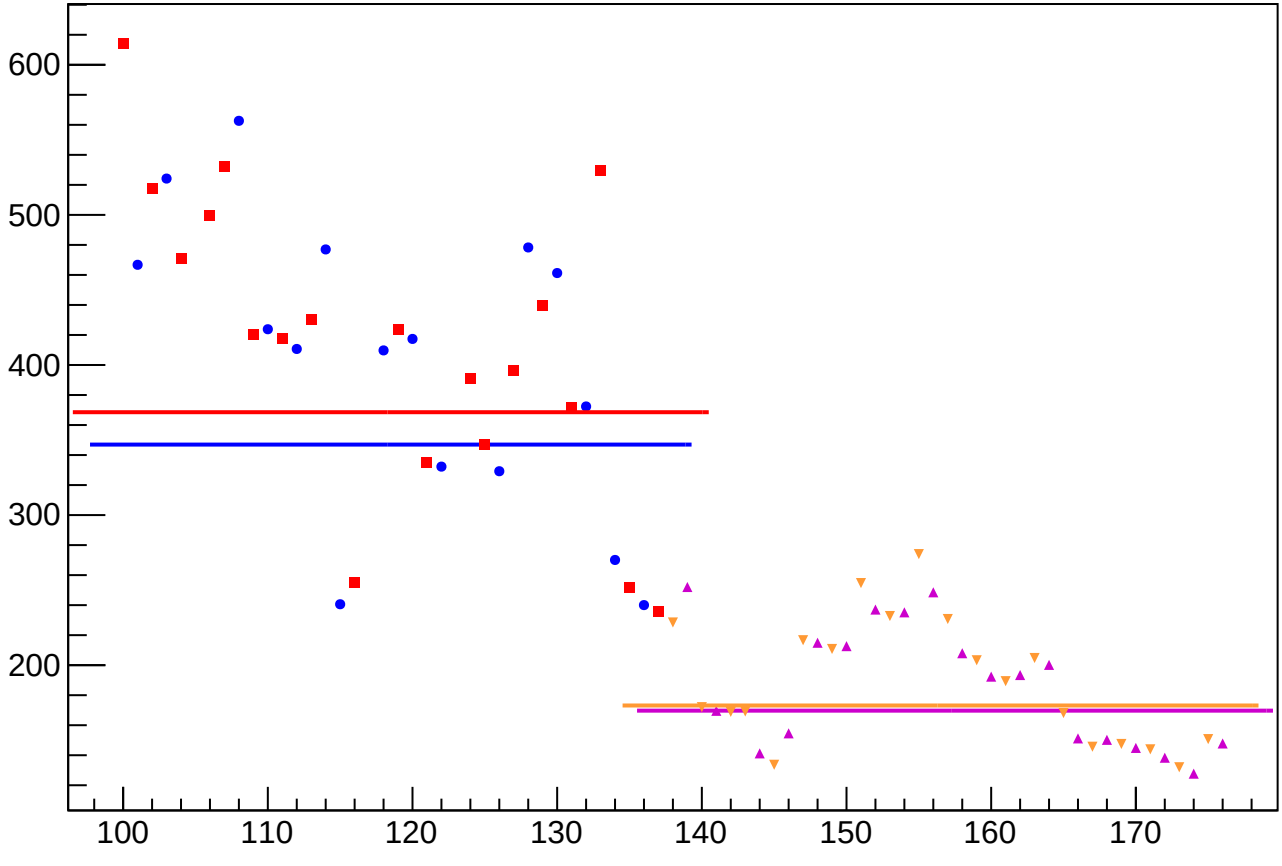
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -23.134+/-41.987 χ^2/NDF:45.7/34

Out: 178.079+/-42.521 χ^2/NDF:85.8/38

All: 76.201+/-29.877 χ^2/NDF: 142.9/73

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: 173.141+/-0.032 χ^2/NDF:1404364.8/19

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

Left: 171.406+/-0.022 χ^2/NDF: 2787554.1/38

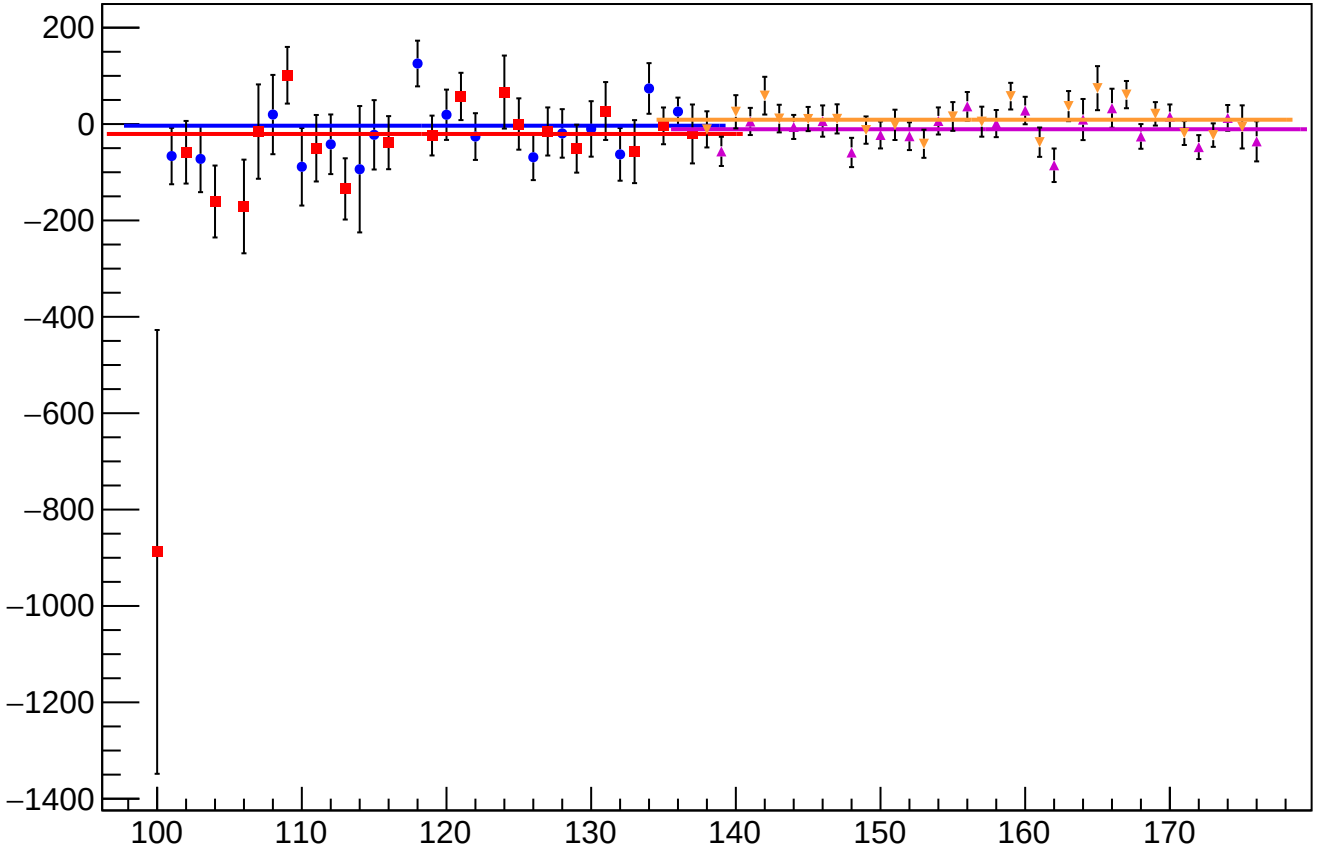
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 186.884+/-0.030 χ^2/NDF:5555332.5/34

Out: 191.120+/-0.030 χ^2/NDF:5833023.1/38

All: 188.975+/-0.021 χ^2/NDF: 11398401.8/73

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.751+/-6.739 χ^2/NDF:21.6/18

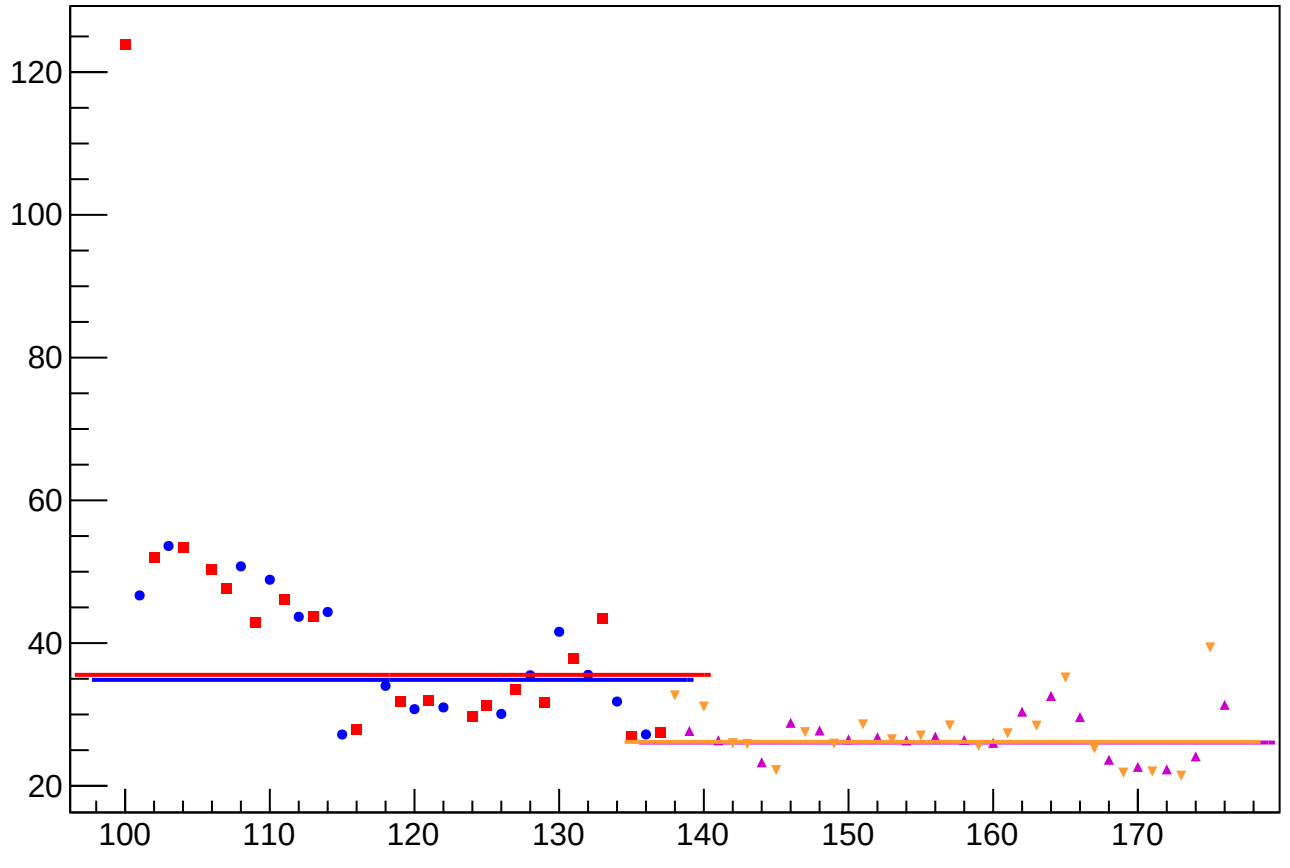
Left: -0.807+/-4.749 χ^2/NDF: 46.8/38

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.271+/-6.020 χ^2/NDF:40.3/34

Out: 3.151+/-5.995 χ^2/NDF:47.9/38

All: -3.034+/-4.248 χ^2/NDF: 90.4/73



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644194.4/19

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.067+/-0.005 χ^2/NDF:290814.1/18

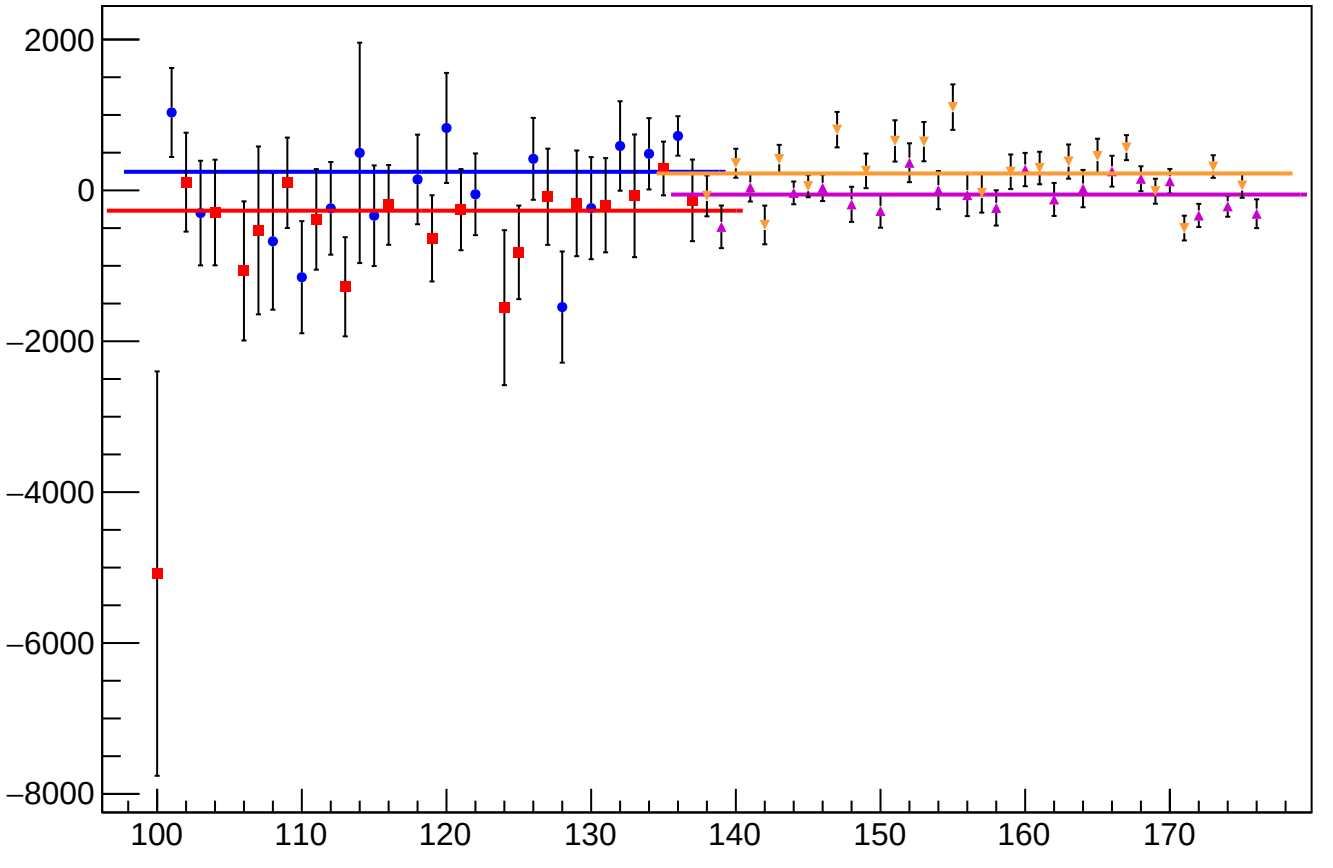
Left: 26.115+/-0.003 χ^2/NDF: 935205.5/38

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.842+/-0.004 χ^2/NDF:1635391.2/34

Out: 28.020+/-0.004 χ^2/NDF:2203298.4/38

All: 27.931+/-0.003 χ^2/NDF: 3839574.1/73



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 224.421+/-45.037 χ^2/NDF:60.5/19

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -55.011+/-44.889 χ^2/NDF:21.2/18

Left: 84.245+/-31.794 χ^2/NDF: 101.1/38

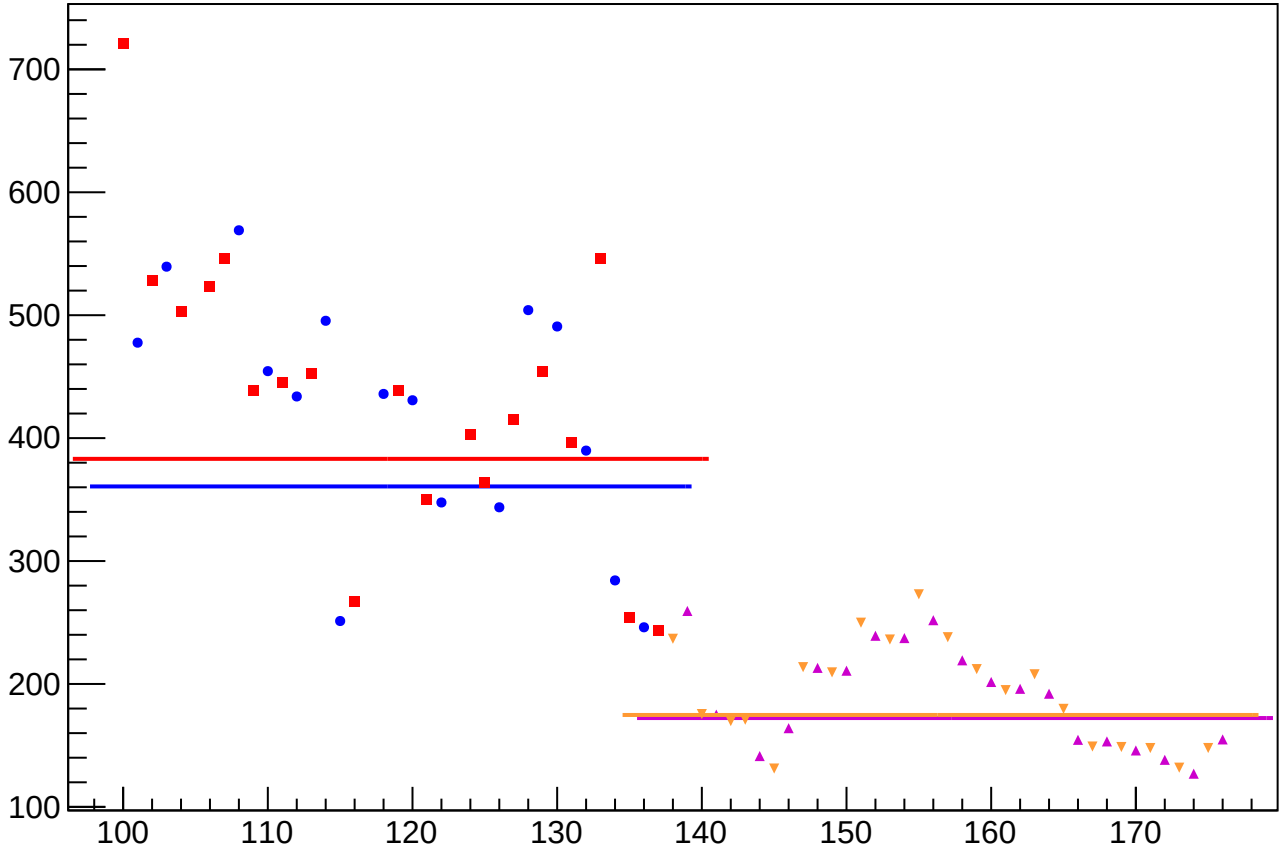
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -27.002+/-42.753 χ^2/NDF:45.2/34

Out: 181.175+/-43.018 χ^2/NDF:83.7/38

All: 76.444+/-30.324 χ^2/NDF: 140.6/73

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: 174.776+/-0.032 χ^2/NDF:1459840.7/19

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 172.271+/-0.032 χ^2/NDF:1406333.1/18

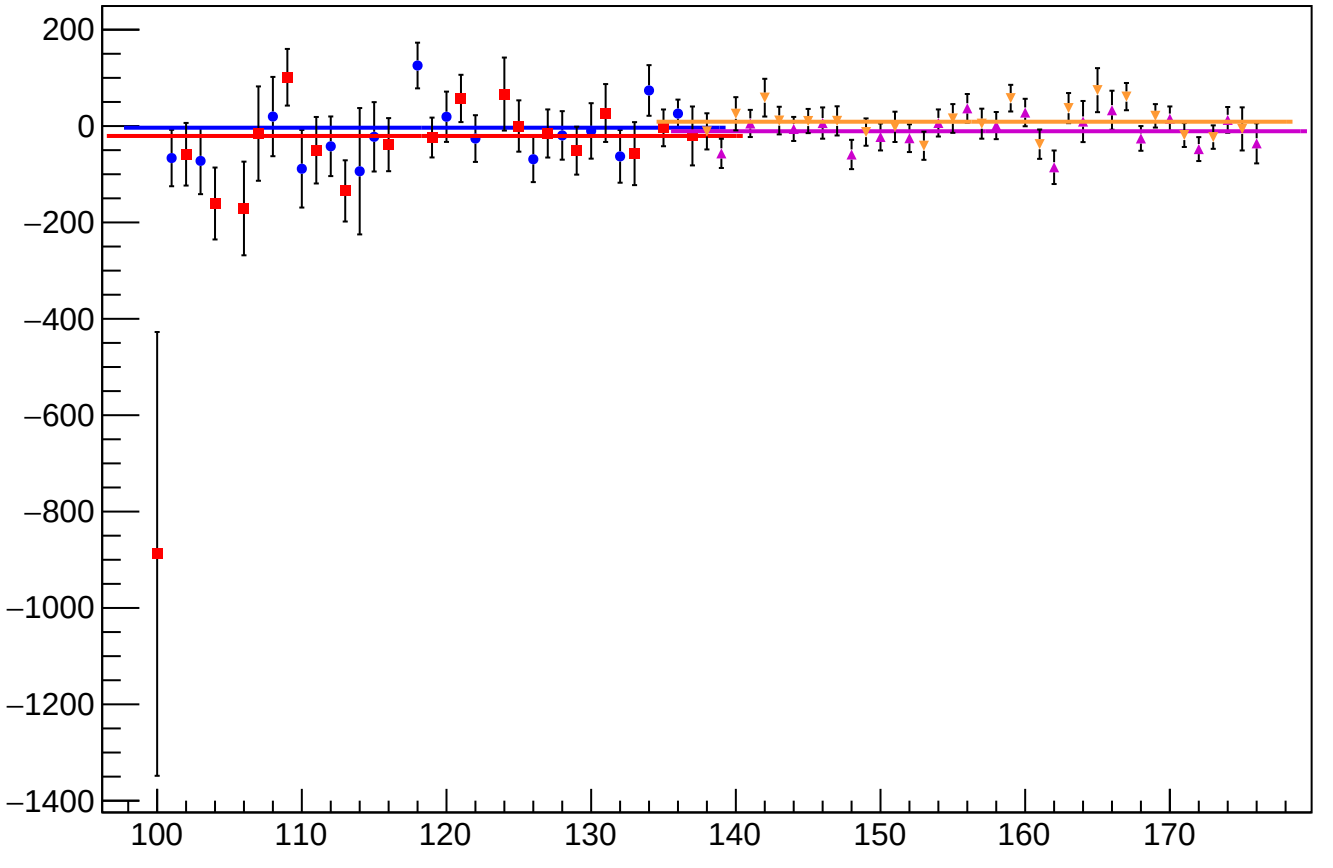
Left: 173.519+/-0.022 χ^2/NDF: 2869276.5/38

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 189.774+/-0.030 χ^2/NDF:5772419.3/34

Out: 193.040+/-0.030 χ^2/NDF:6175250.4/38

All: 191.397+/-0.021 χ^2/NDF: 11953469.2/73



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.004+/-6.694 χ^2/NDF:20.9/19

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.751+/-6.739 χ^2/NDF:21.6/18

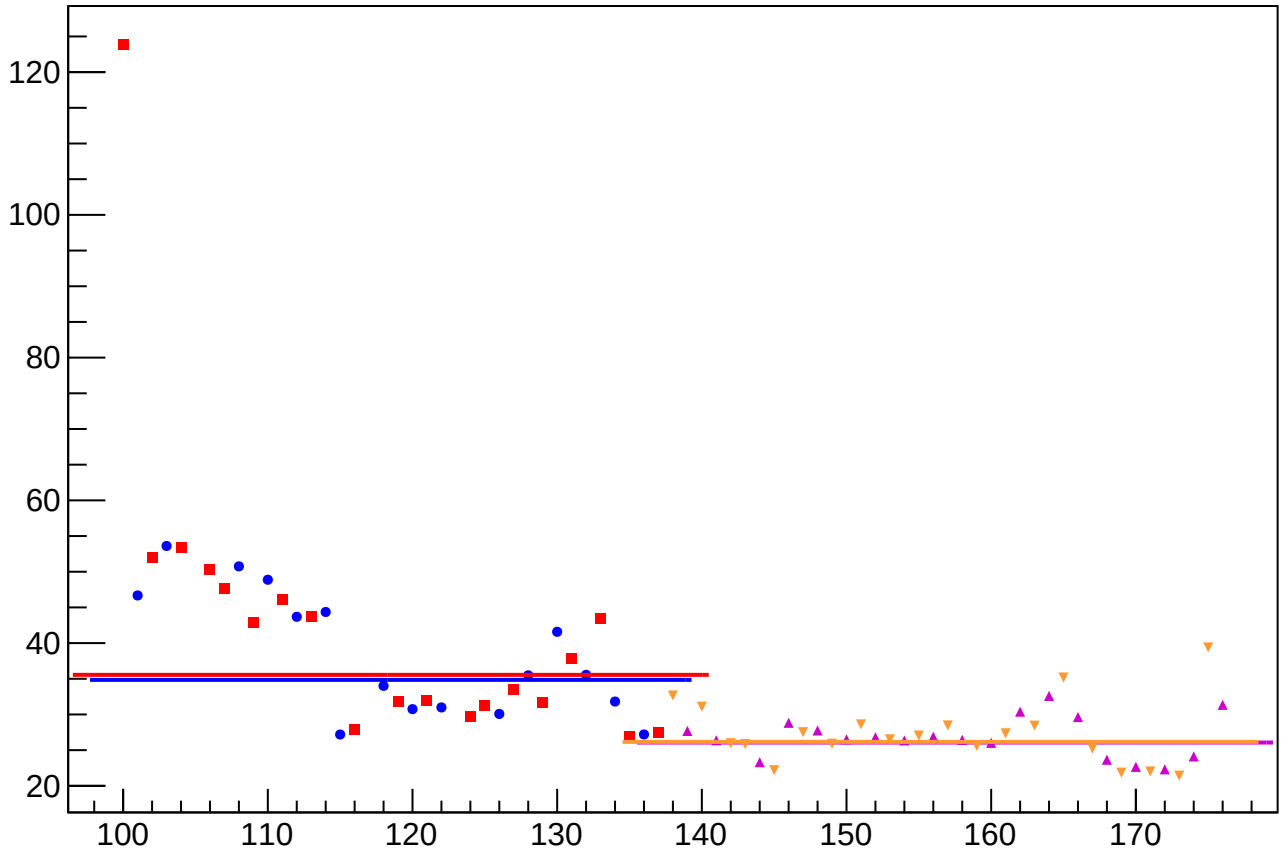
Left: -0.807+/-4.749 χ^2/NDF: 46.8/38

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.271+/-6.020 χ^2/NDF:40.3/34

Out: 3.151+/-5.995 χ^2/NDF:47.9/38

All: -3.034+/-4.248 χ^2/NDF: 90.4/73



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.162+/-0.005 χ^2/NDF:644188.1/19

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.067+/-0.005 χ^2/NDF:290812.9/18

Left: 26.115+/-0.003 χ^2/NDF: 935198.0/38

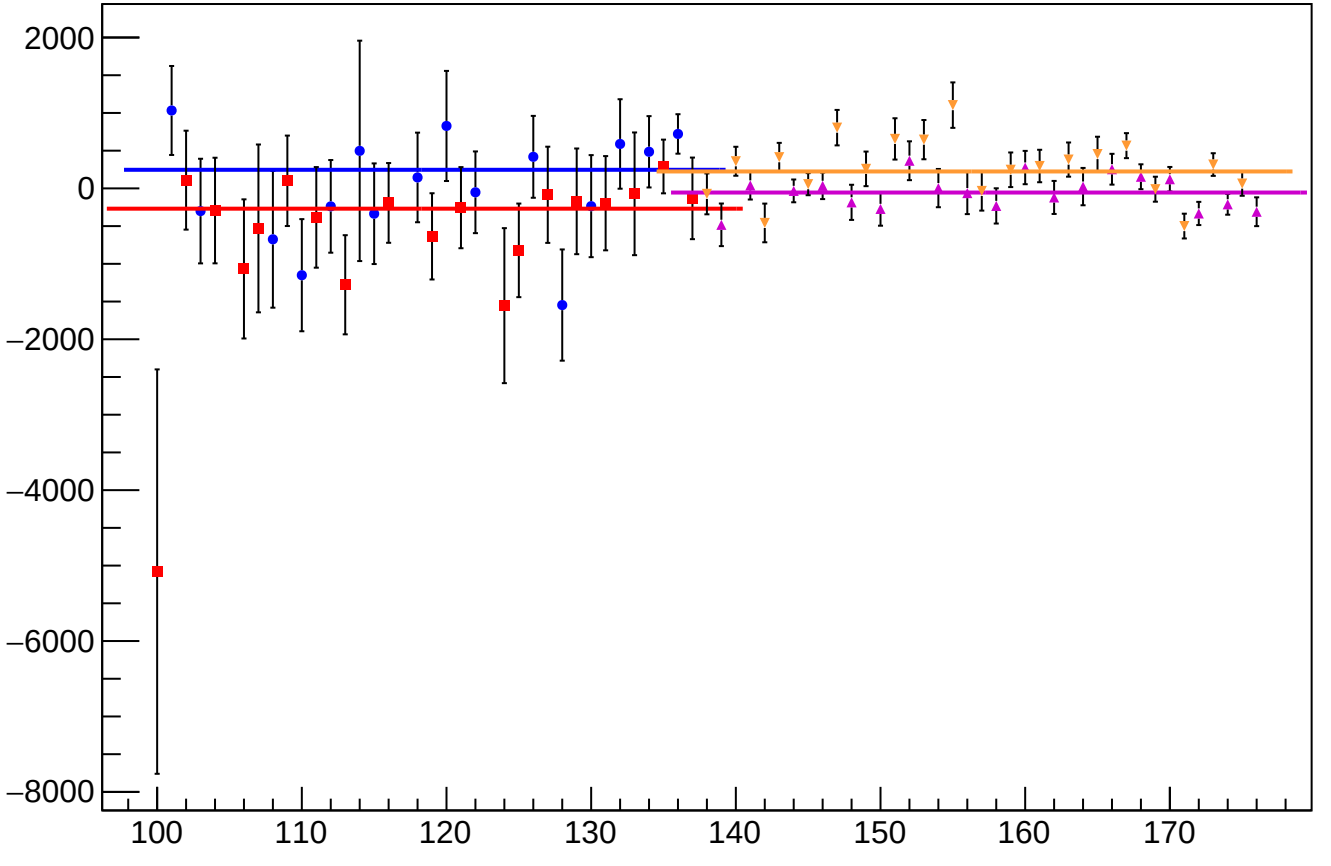
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.842+/-0.004 χ^2/NDF:1635266.6/34

Out: 28.020+/-0.004 χ^2/NDF:2203195.8/38

All: 27.931+/-0.003 χ^2/NDF: 3839347.1/73

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: 224.420+/-45.037 χ^2/NDF:60.5/19

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -55.010+/-44.889 χ^2/NDF:21.2/18

Left: 84.244+/-31.794 χ^2/NDF: 101.1/38

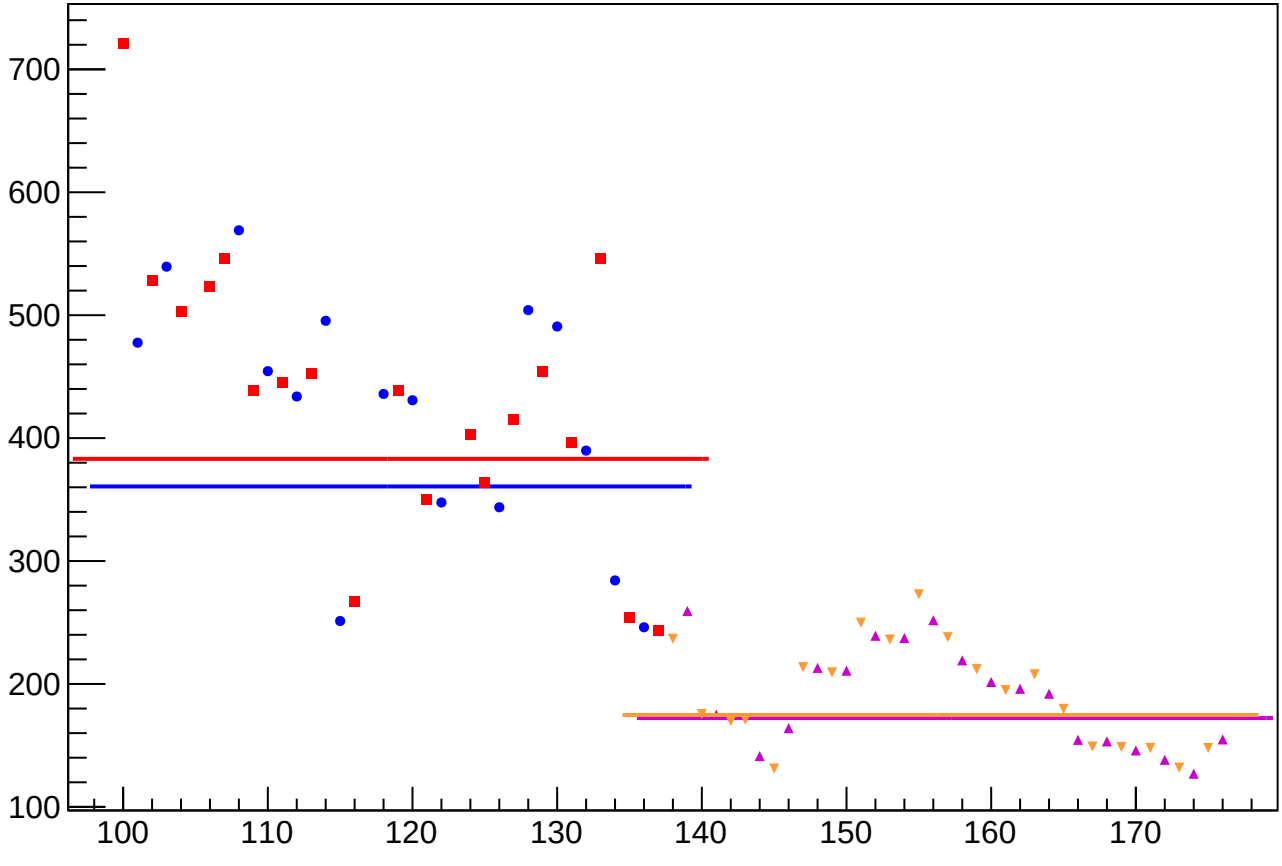
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -27.002+/-42.753 χ^2/NDF:45.2/34

Out: 181.175+/-43.018 χ^2/NDF:83.7/38

All: 76.444+/-30.324 χ^2/NDF: 140.6/73

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: 174.775+/-0.032 χ^2/NDF:1459858.0/19

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 172.271+/-0.032 χ^2/NDF:1406347.1/18

Left: 173.519+/-0.022 χ^2/NDF: 2869307.9/38

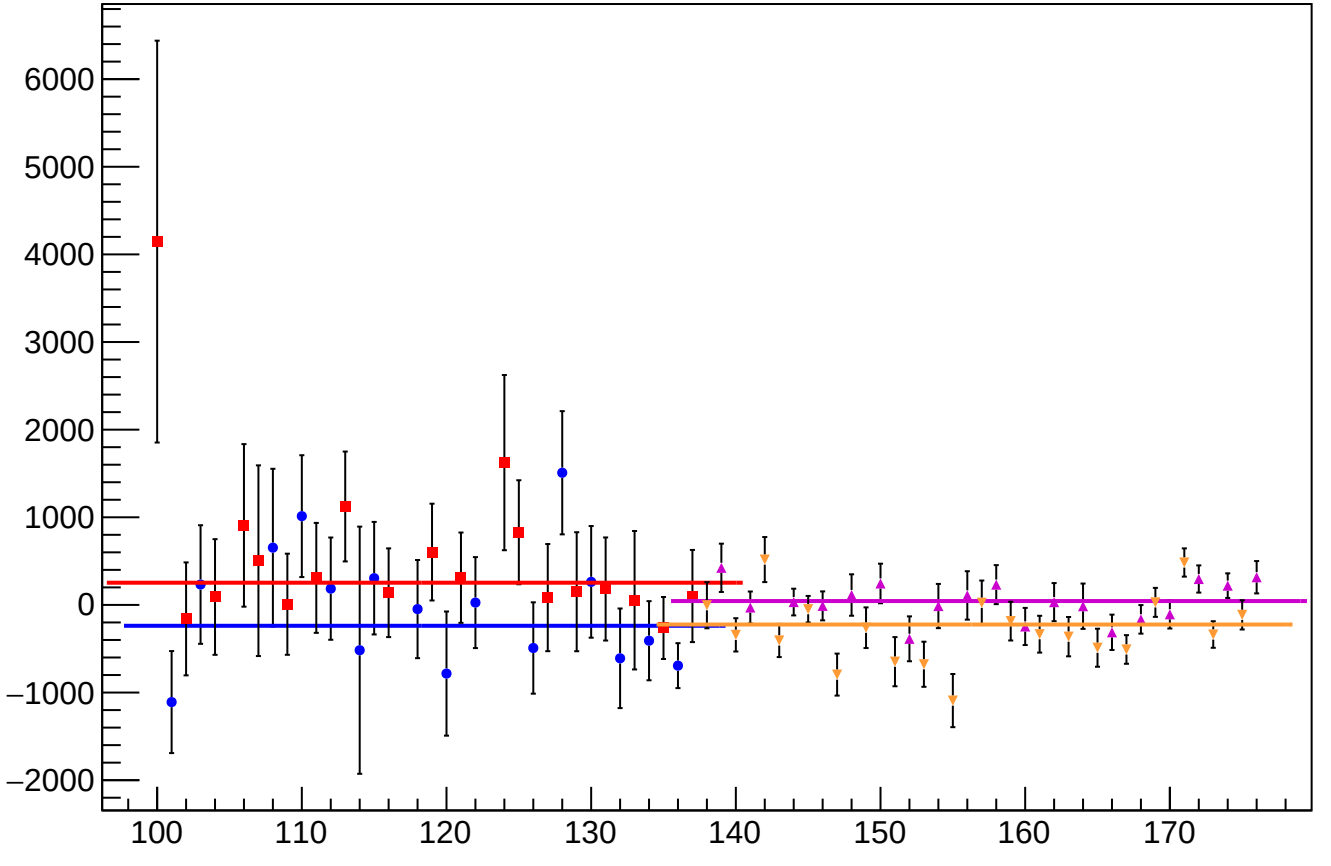
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 189.773+/-0.030 χ^2/NDF:5772430.4/34

Out: 193.039+/-0.030 χ^2/NDF:6175267.1/38

All: 191.396+/-0.021 χ^2/NDF: 11953497.0/73

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -223.691+/-44.940 χ^2/NDF:59.7/19

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 44.193+/-44.508 χ^2/NDF:20.6/18

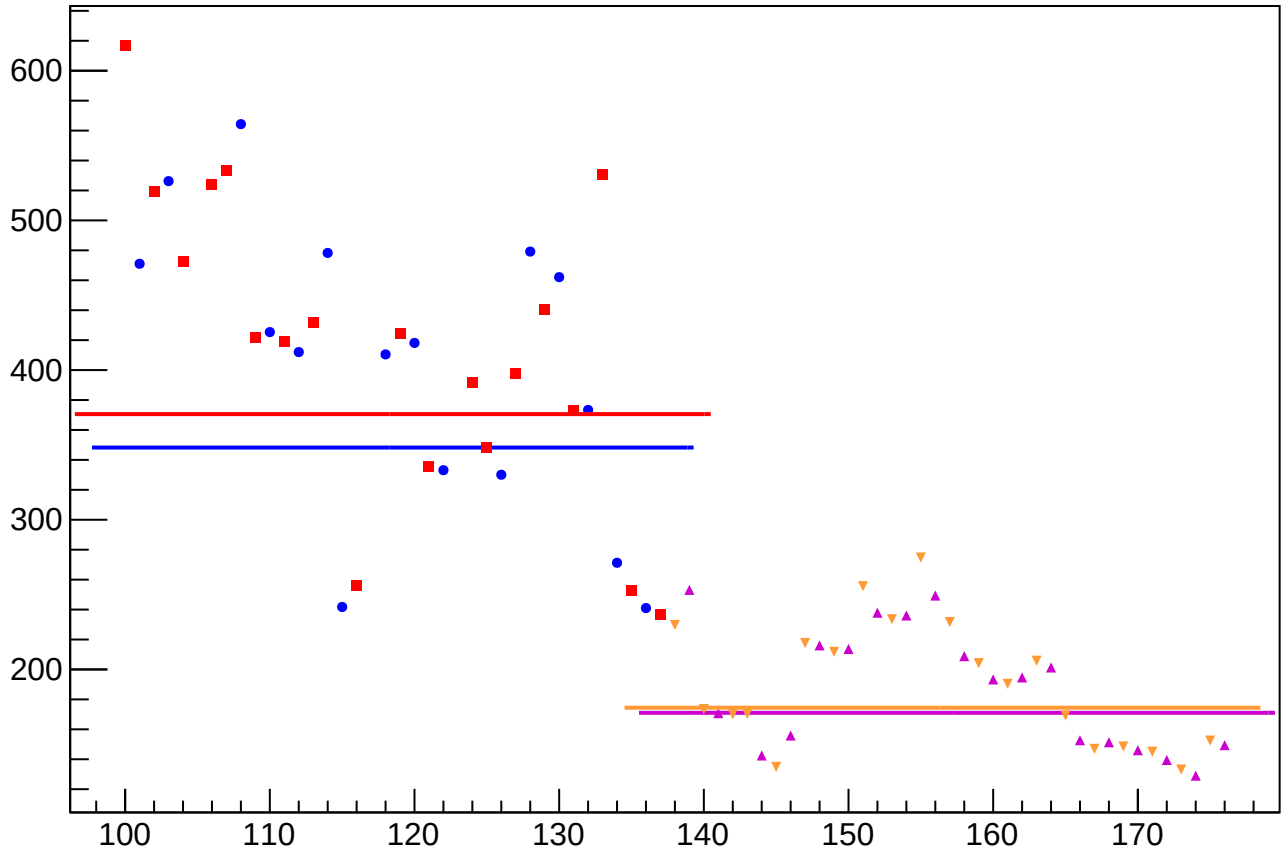
Left: -88.455+/-31.624 χ^2/NDF: 98.3/38

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 16.651+/-42.281 χ^2/NDF:44.5/34

Out: -179.357+/-42.801 χ^2/NDF:81.9/38

All: -80.153+/-30.079 χ^2/NDF: 137.0/73



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 174.447+/-0.032 χ^2/NDF:1380132.9/19

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.033+/-0.031 χ^2/NDF:1351406.9/18

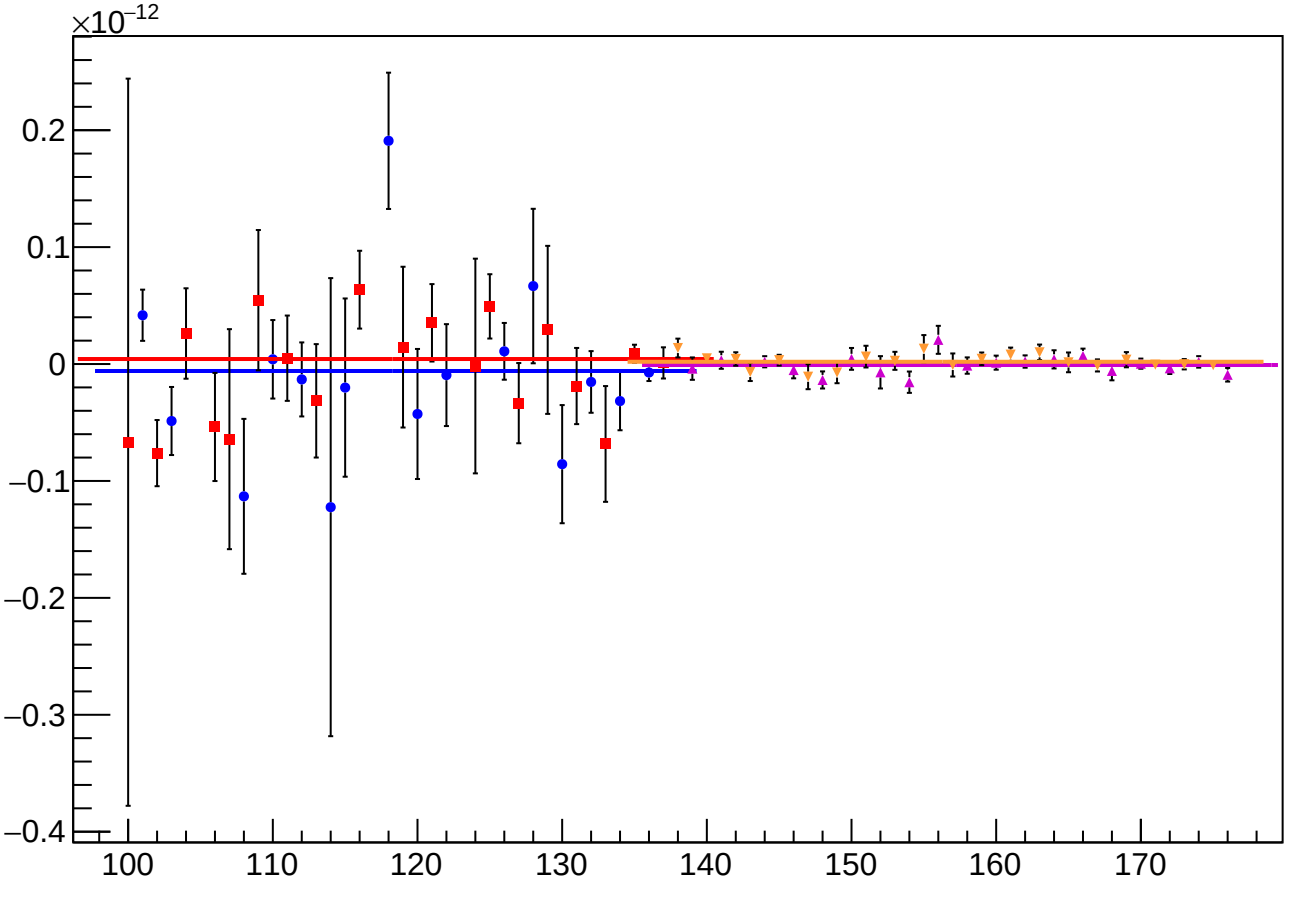
Left: 172.724+/-0.022 χ^2/NDF: 2737365.8/38

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 188.327+/-0.030 χ^2/NDF:5502439.5/34

Out: 192.672+/-0.030 χ^2/NDF:5837871.1/38

All: 190.473+/-0.021 χ^2/NDF: 11350741.0/73



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/18

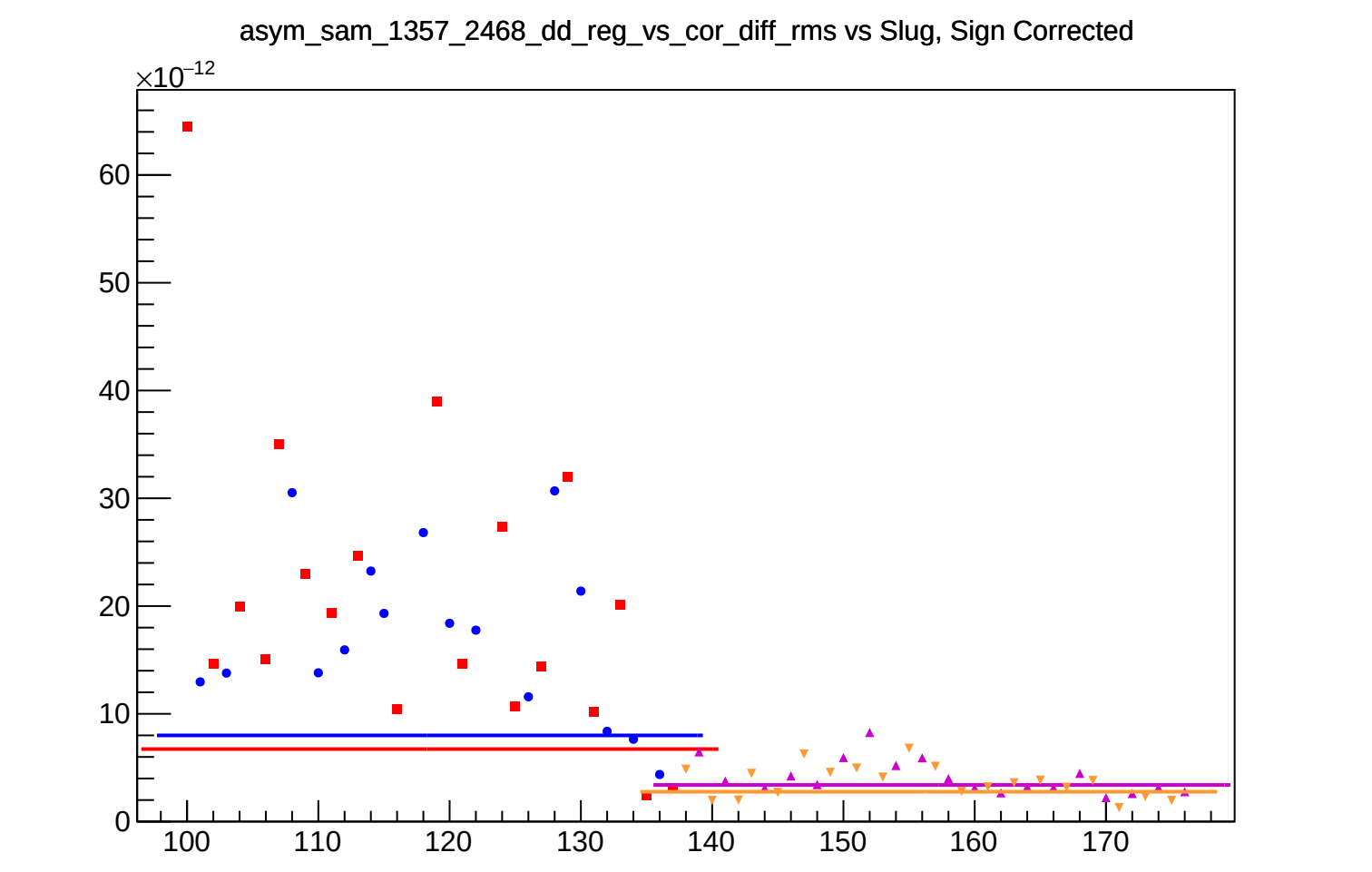
Left: 0.000+/-0.000 χ^2/NDF: 30.6/38

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:44.0/34

Out: 0.000+/-0.000 χ^2/NDF:35.8/38

All: 0.000+/-0.000 χ^2/NDF: 82.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820294.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1133039.2/18

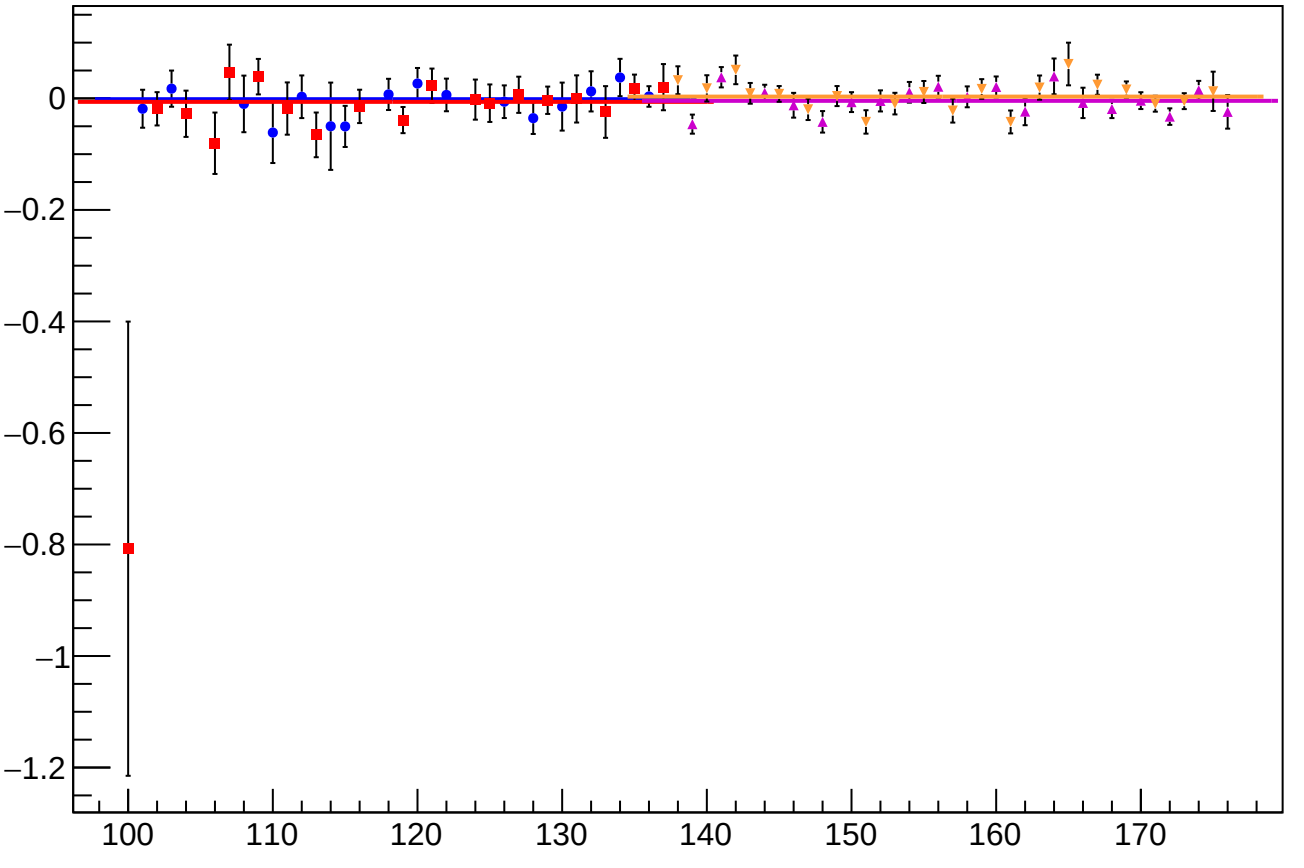
Left: 0.000+/-0.000 χ^2/NDF: 3163935.5/38

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4305627.4/34

Out: 0.000+/-0.000 χ^2/NDF:6165778.7/38

All: 0.000+/-0.000 χ^2/NDF: 10771295.6/73



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.001+/-0.003 χ^2/NDF: 56.1/38

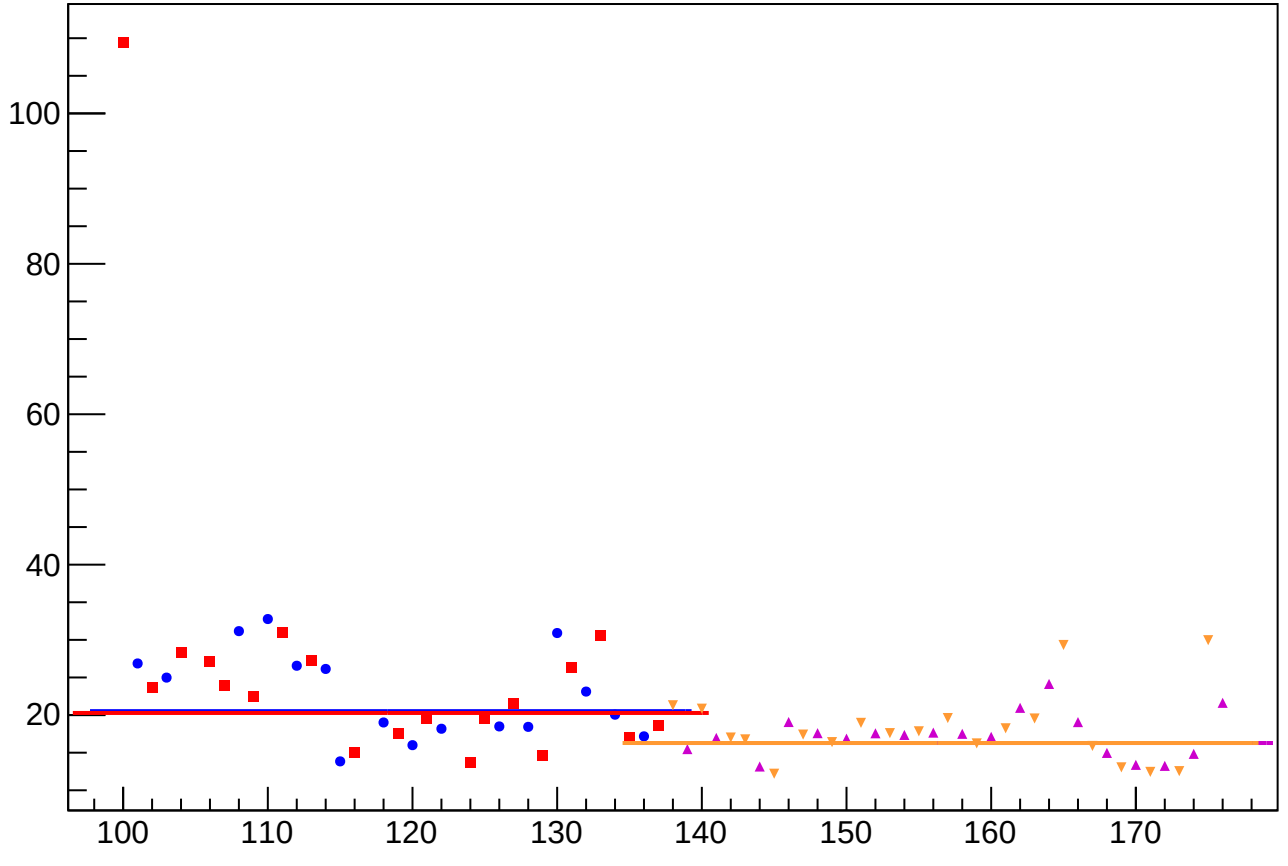
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 81.0/73

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

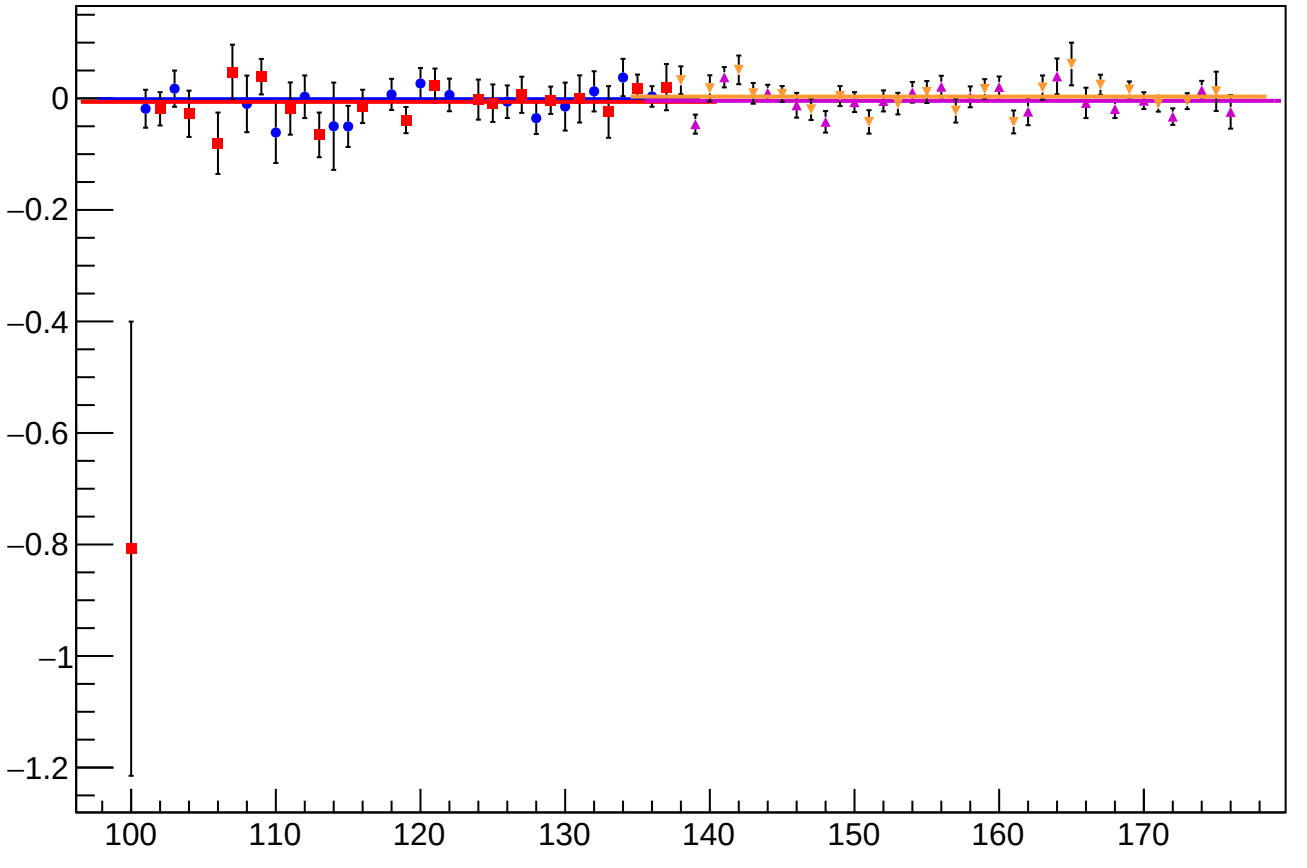
Left: 16.286+/-0.002 χ^2/NDF: 2058352.3/38

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.219+/-0.003 χ^2/NDF:1781917.7/34

Out: 17.190+/-0.003 χ^2/NDF:2674924.2/38

All: 17.204+/-0.002 χ^2/NDF: 4456903.7/73



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.001+/-0.003 χ^2/NDF: 56.1/38

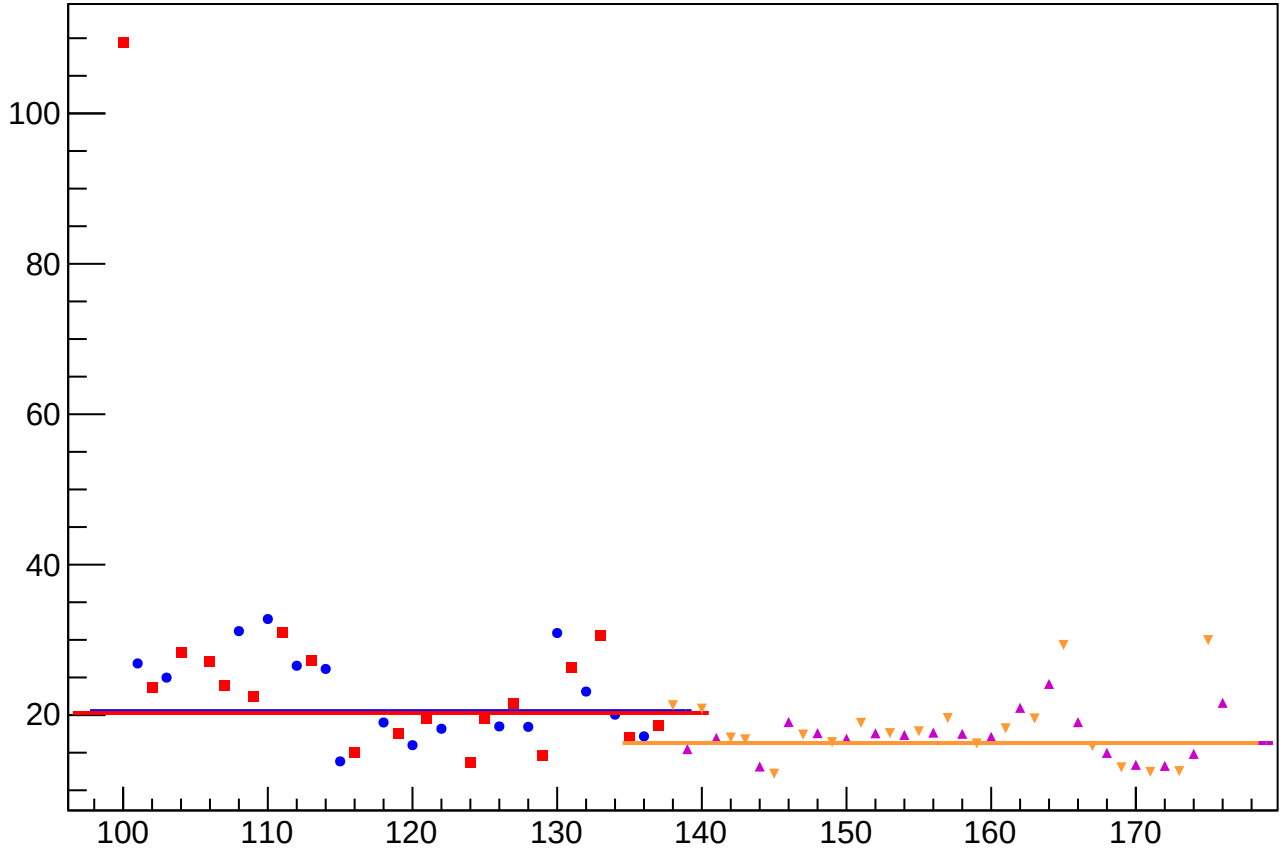
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 81.0/73

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413137.4/19

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

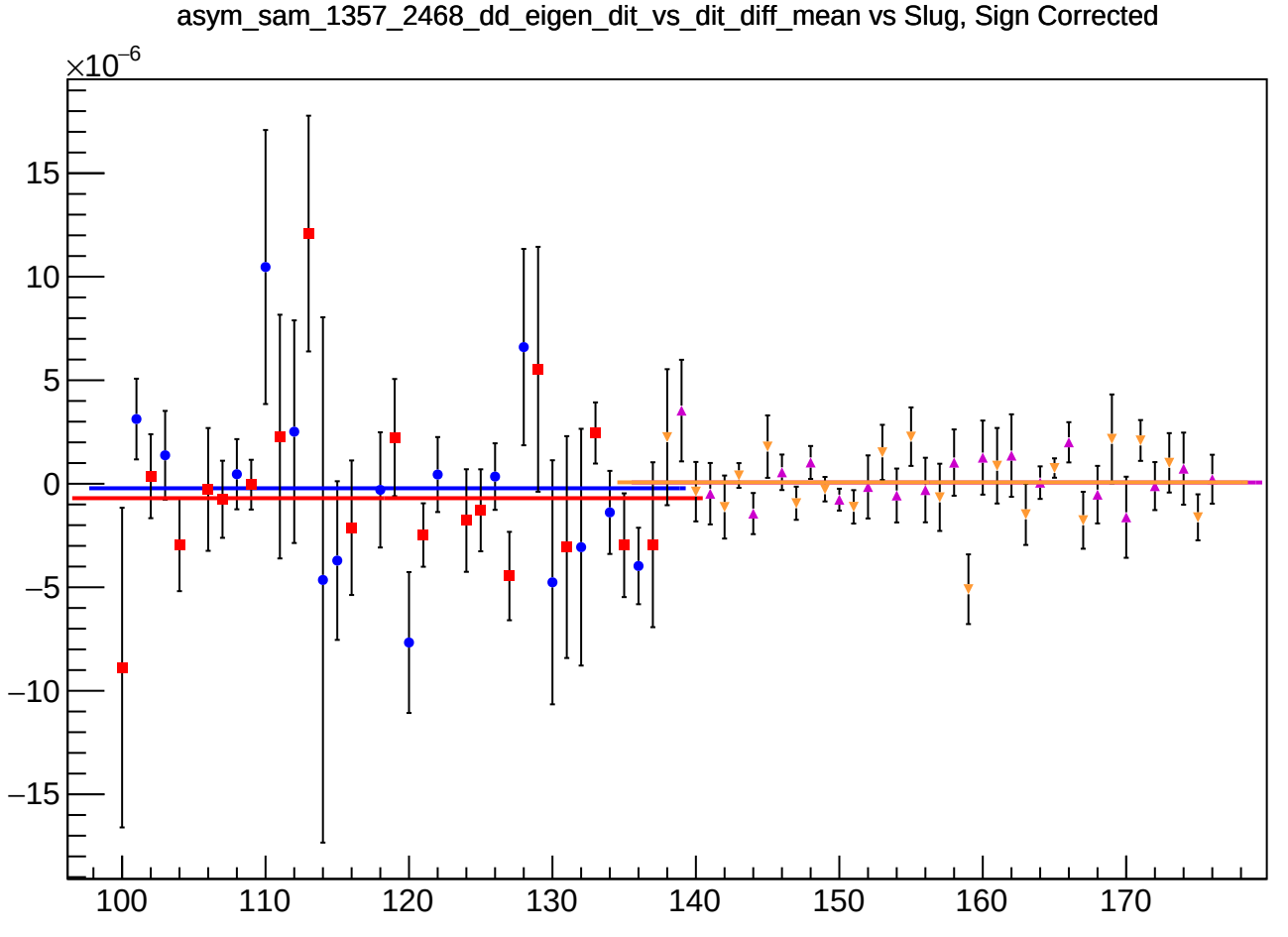
Left: 16.286+/-0.002 χ^2/NDF: 2058352.3/38

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.219+/-0.003 χ^2/NDF:1781917.7/34

Out: 17.190+/-0.003 χ^2/NDF:2674924.2/38

All: 17.204+/-0.002 χ^2/NDF: 4456903.7/73



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/18

Left: 0.000+/-0.000 χ^2/NDF: 48.6/38

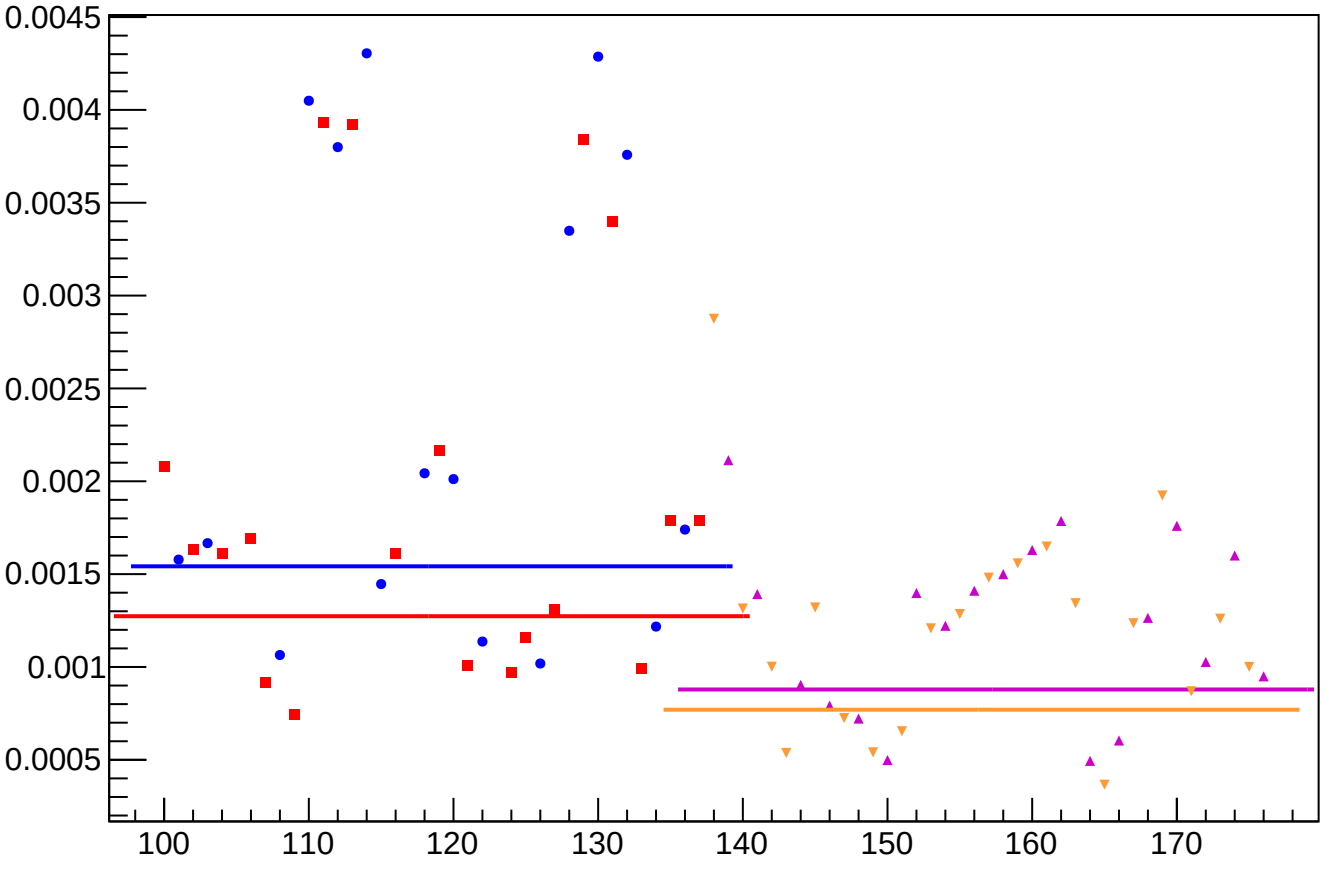
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.4/34

Out: -0.000+/-0.000 χ^2/NDF:56.0/38

All: -0.000+/-0.000 χ^2/NDF: 91.5/73

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6784313.0/19

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5136796.5/18

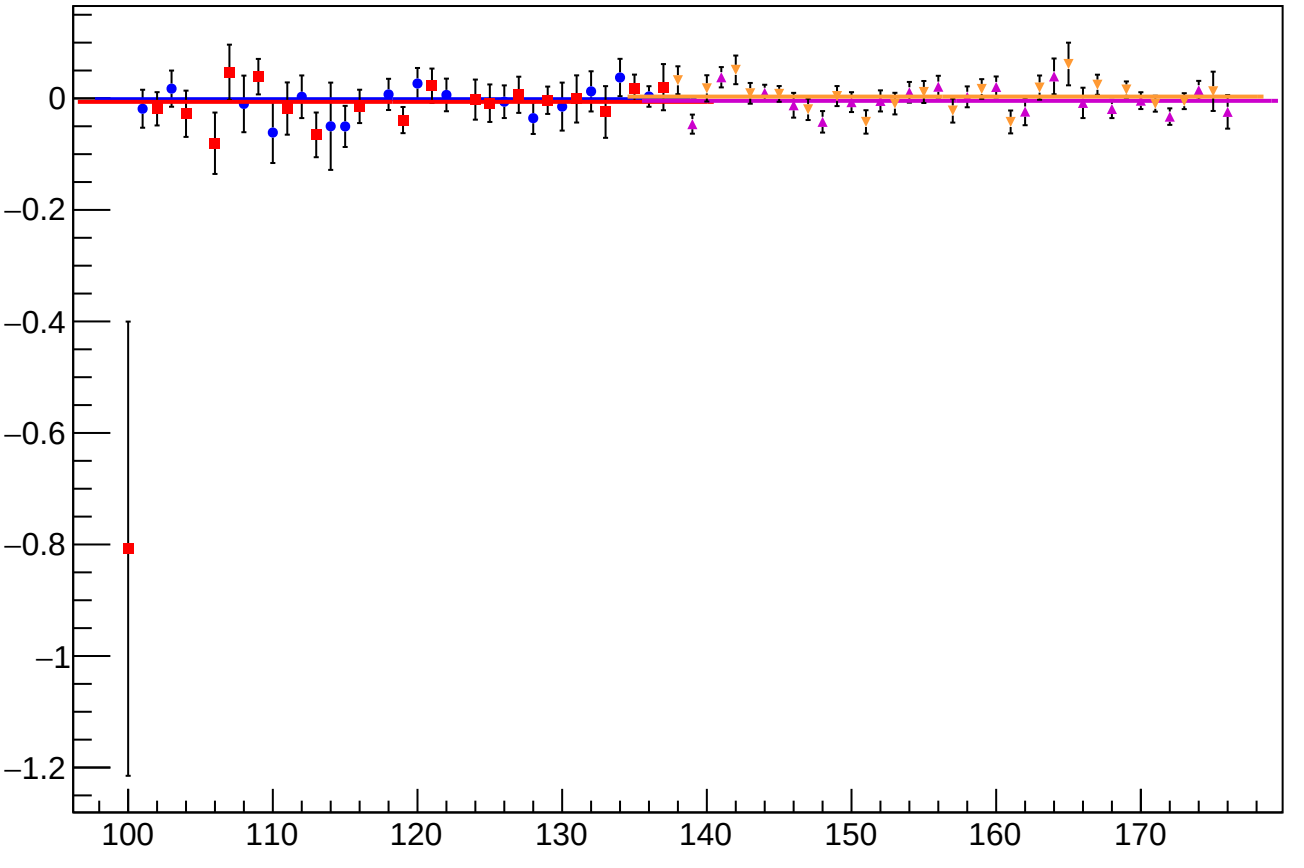
Left: 0.001+/-0.000 χ^2/NDF: 12132718.4/38

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9461969.3/34

Out: 0.001+/-0.000 χ^2/NDF:11018583.9/38

All: 0.001+/-0.000 χ^2/NDF: 20799308.4/73



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.001+/-0.003 χ^2/NDF: 56.1/38

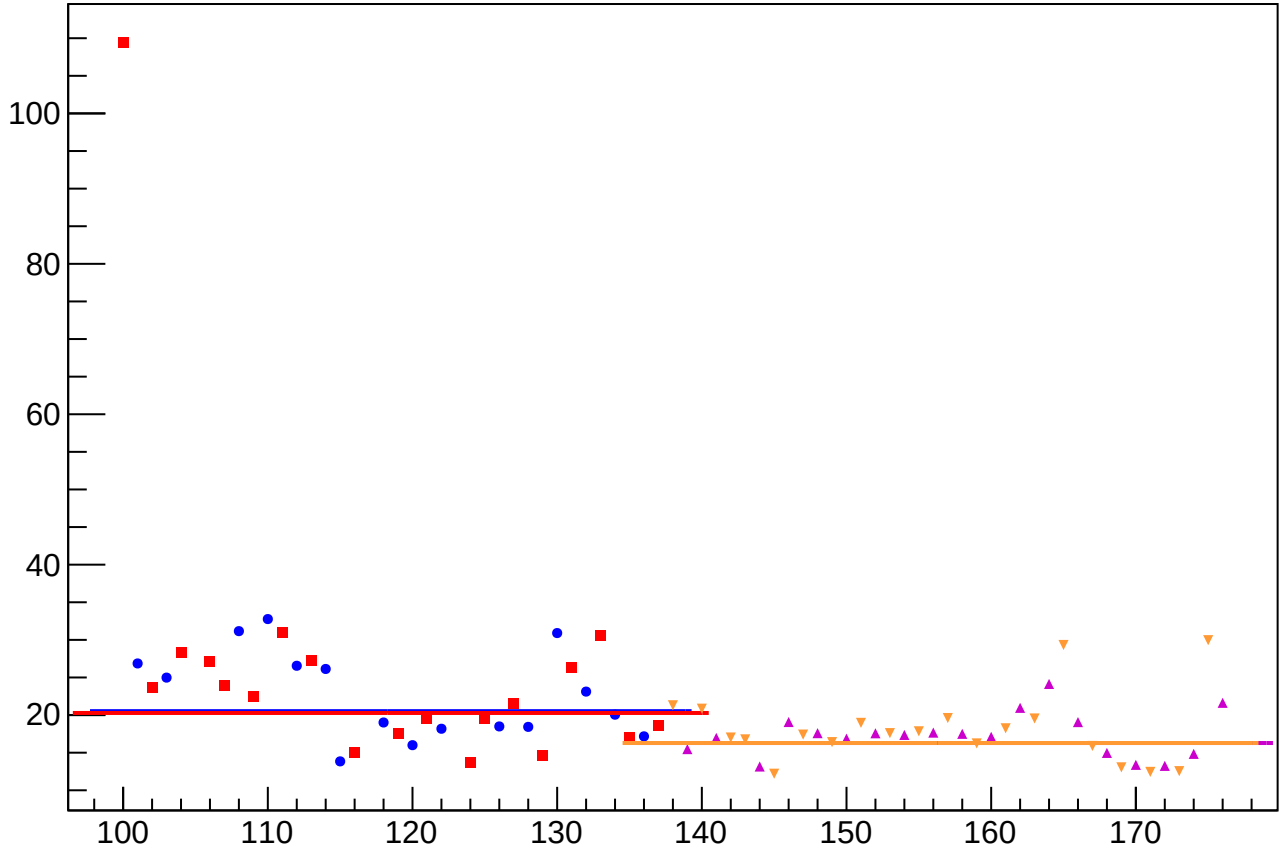
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 81.0/73

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

Left: 16.286+/-0.002 χ^2/NDF: 2058326.4/38

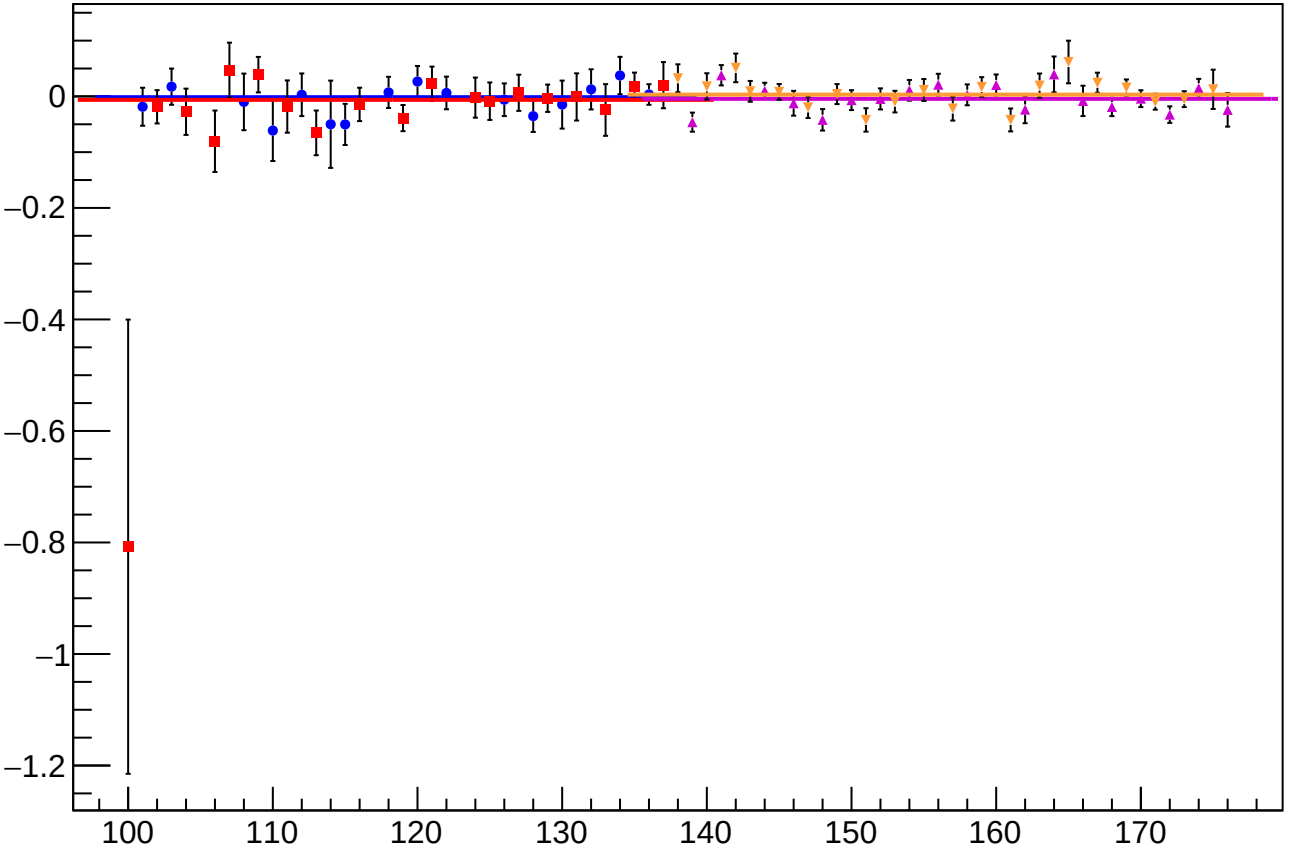
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.219+/-0.003 χ^2/NDF:1781690.1/34

Out: 17.190+/-0.003 χ^2/NDF:2674732.1/38

All: 17.204+/-0.002 χ^2/NDF: 4456483.9/73

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: 0.003+/-0.004 χ^2/NDF:25.2/19

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.001+/-0.003 χ^2/NDF: 56.1/38

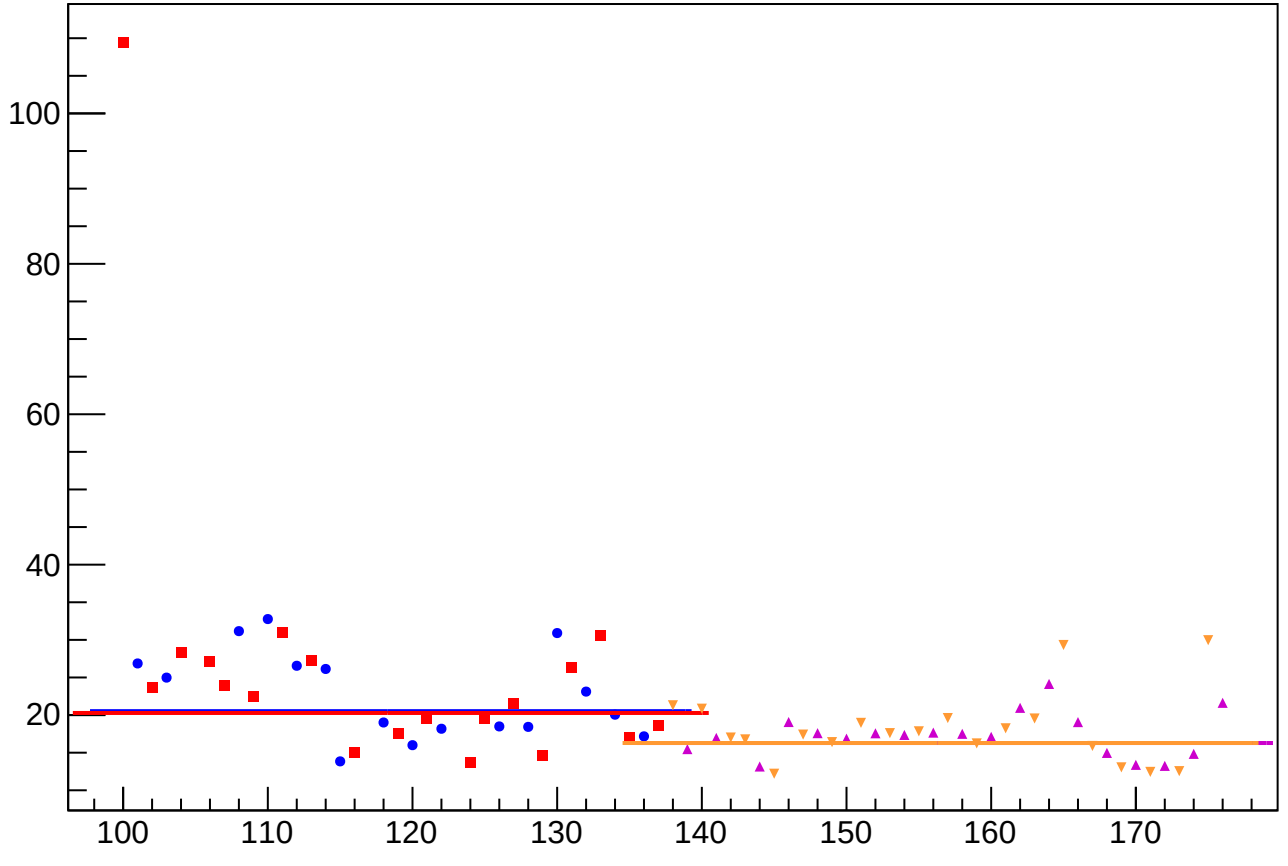
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.001+/-0.004 χ^2/NDF:42.6/38

All: -0.001+/-0.003 χ^2/NDF: 81.0/73

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.287+/-0.003 χ^2/NDF:1413095.8/19

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

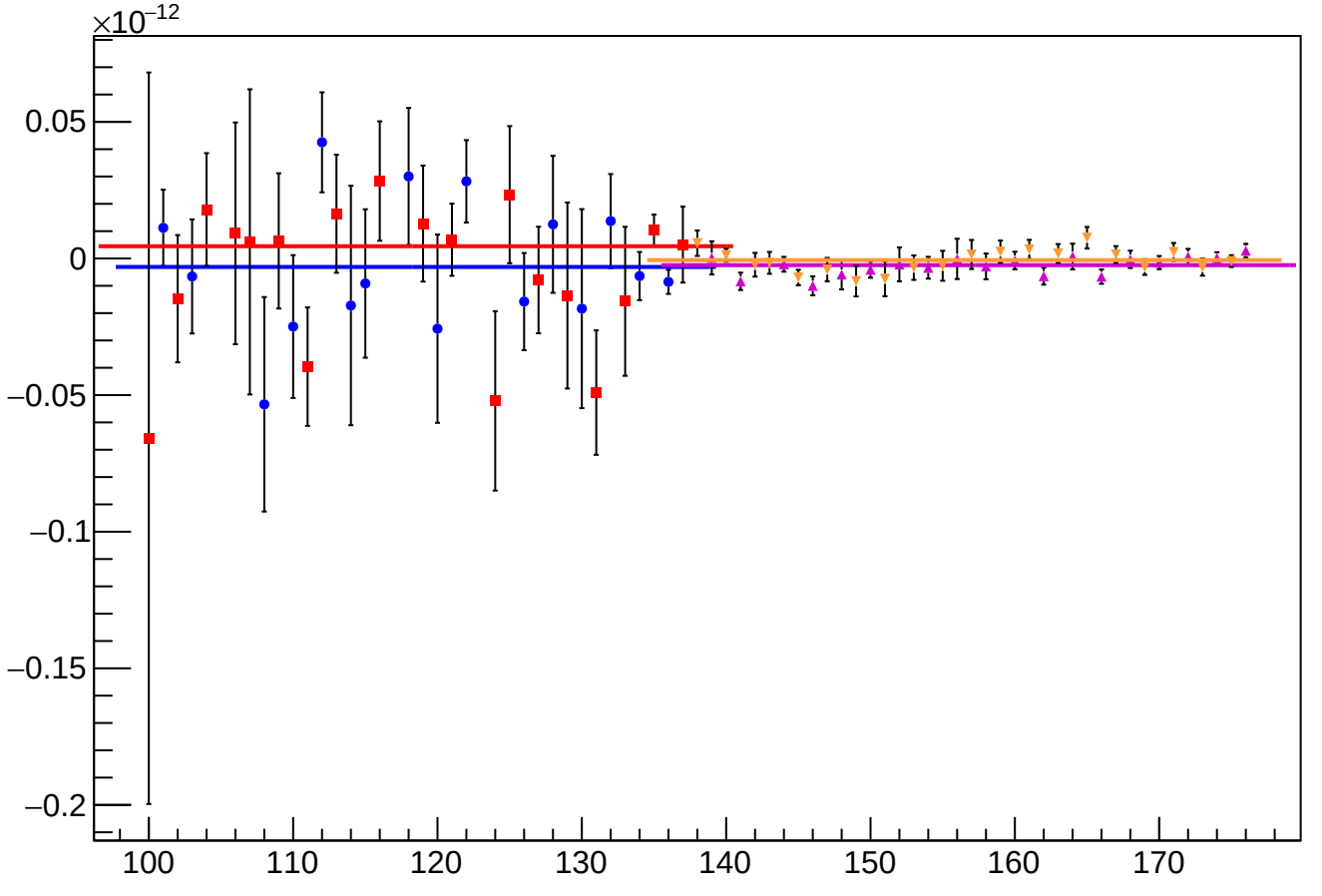
Left: 16.286+/-0.002 χ^2/NDF: 2058326.4/38

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.219+/-0.003 χ^2/NDF:1781690.1/34

Out: 17.190+/-0.003 χ^2/NDF:2674732.1/38

All: 17.204+/-0.002 χ^2/NDF: 4456483.9/73



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

Left: -0.000+/-0.000 χ^2/NDF: 46.1/38

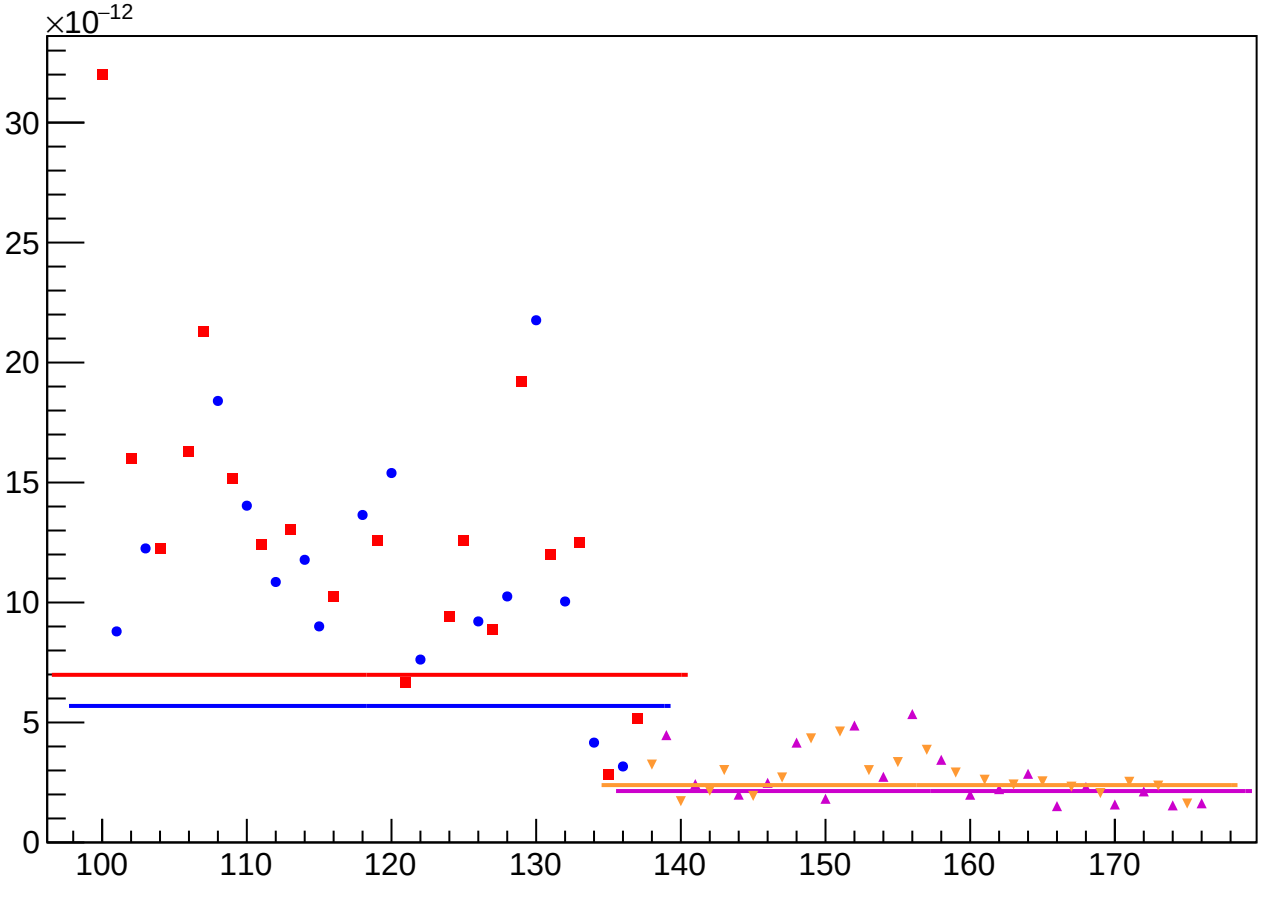
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:41.9/34

Out: -0.000+/-0.000 χ^2/NDF:41.6/38

All: -0.000+/-0.000 χ^2/NDF: 87.3/73

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:1411129.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2112009.9/18

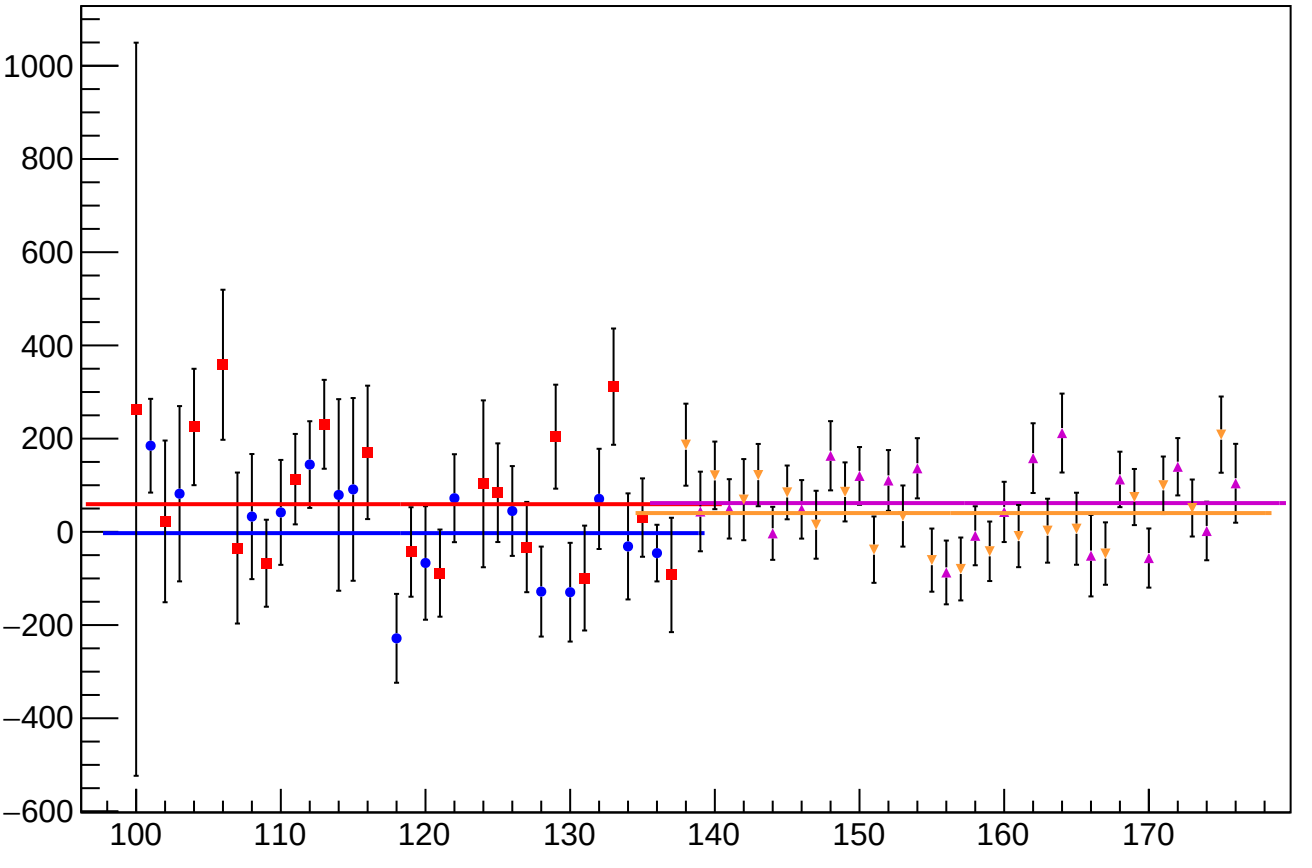
Left: 0.000+/-0.000 χ^2/NDF: 3628131.3/38

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:7072918.5/34

Out: 0.000+/-0.000 χ^2/NDF:7234884.8/38

All: 0.000+/-0.000 χ^2/NDF: 14423406.8/73



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.277+/-15.235 χ^2/NDF:23.3/19

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

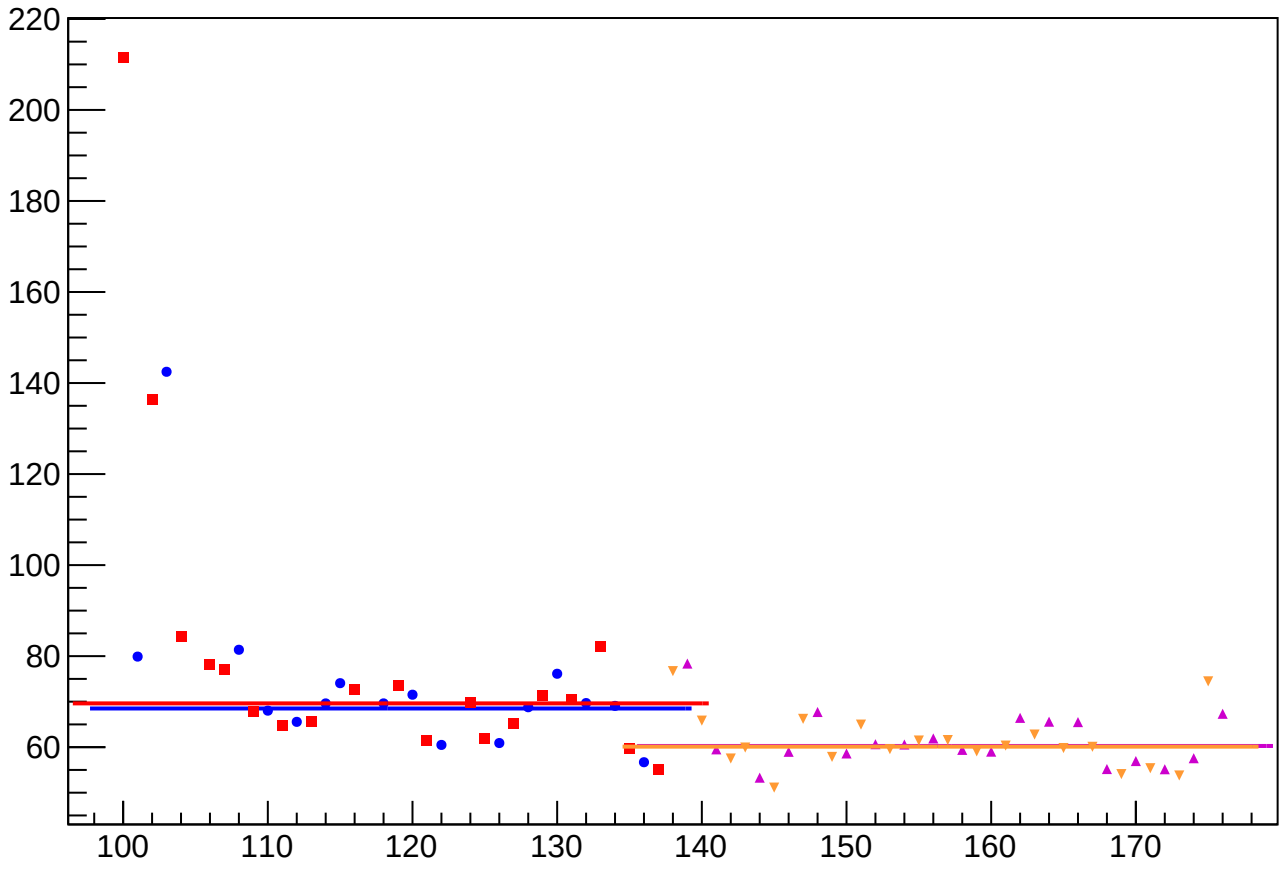
Left: 50.854+/-10.840 χ^2/NDF: 49.9/38

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.115+/-13.295 χ^2/NDF:47.7/34

Out: 45.047+/-13.193 χ^2/NDF:49.4/38

All: 45.081+/-9.365 χ^2/NDF: 97.2/73



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.190+/-0.008 χ^2/NDF: 505318.5/38

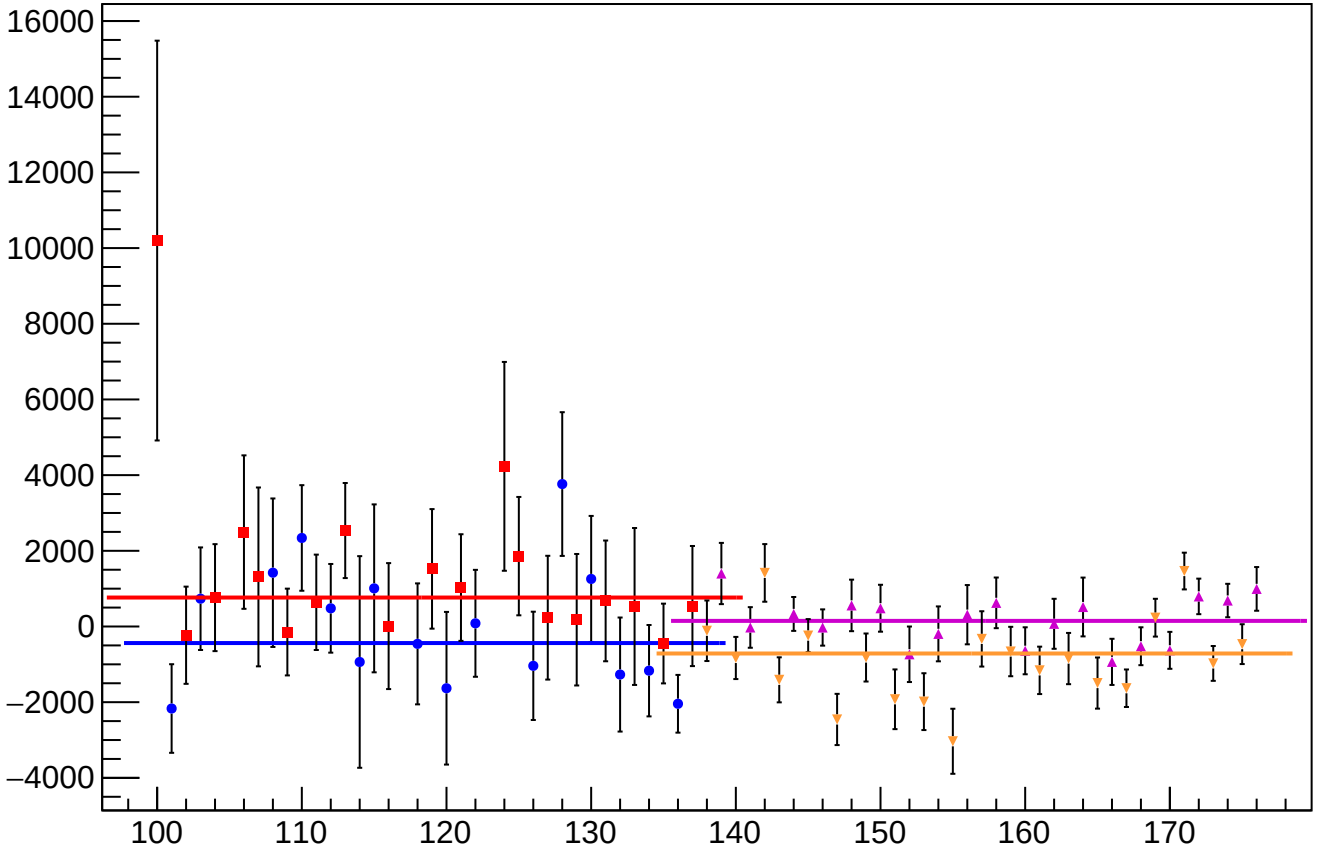
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.383+/-0.009 χ^2/NDF:843557.7/34

Out: 62.494+/-0.009 χ^2/NDF:995088.8/38

All: 62.439+/-0.007 χ^2/NDF: 1838717.1/73

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: -713.433+/-133.889 χ^2/NDF:60.0/19

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 148.340+/-132.680 χ^2/NDF:20.5/18

Left: -278.637+/-94.243 χ^2/NDF: 101.5/38

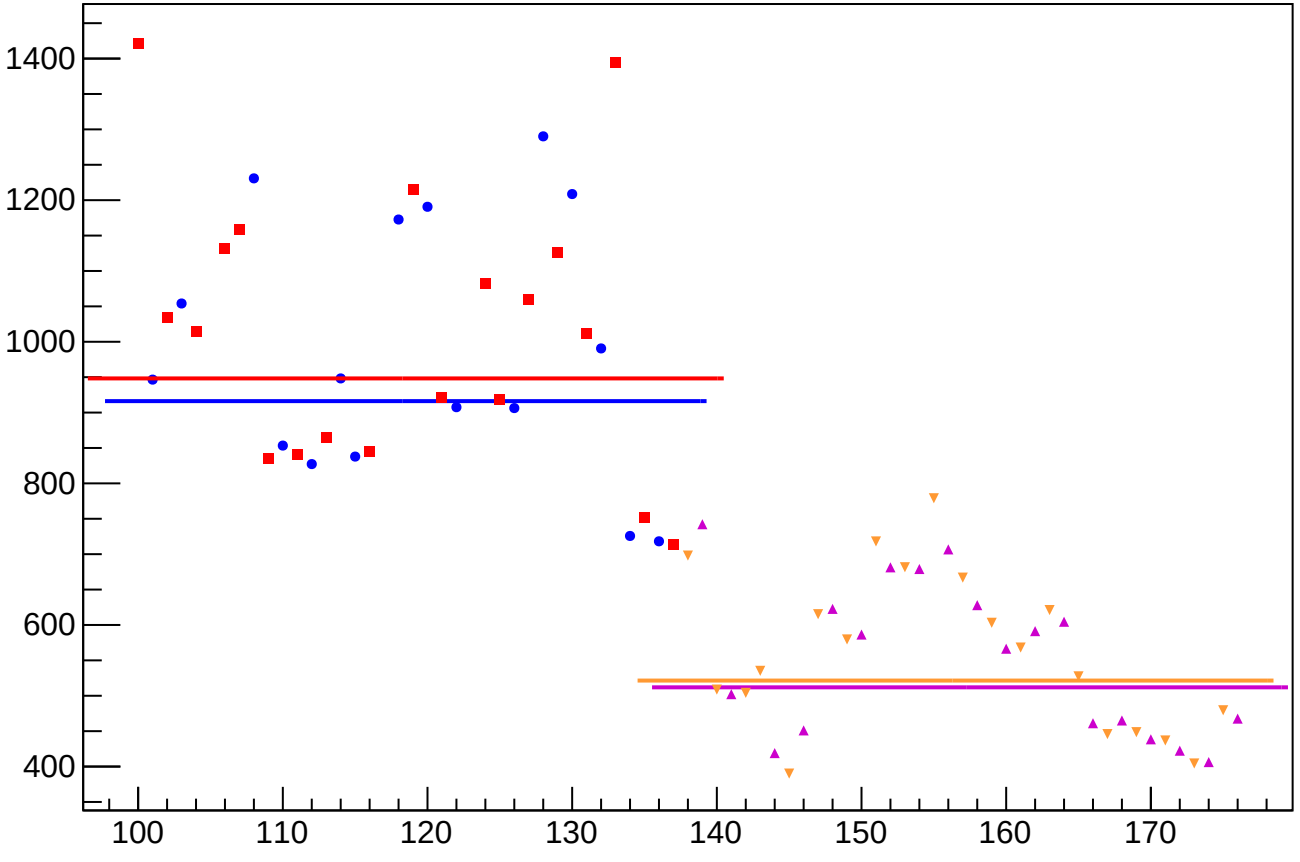
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 74.323+/-124.014 χ^2/NDF:43.6/34

Out: -527.500+/-125.189 χ^2/NDF:86.7/38

All: -223.752+/-88.104 χ^2/NDF: 141.9/73

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: 521.470+/-0.095 χ^2/NDF:1188683.9/19

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107758.6/18

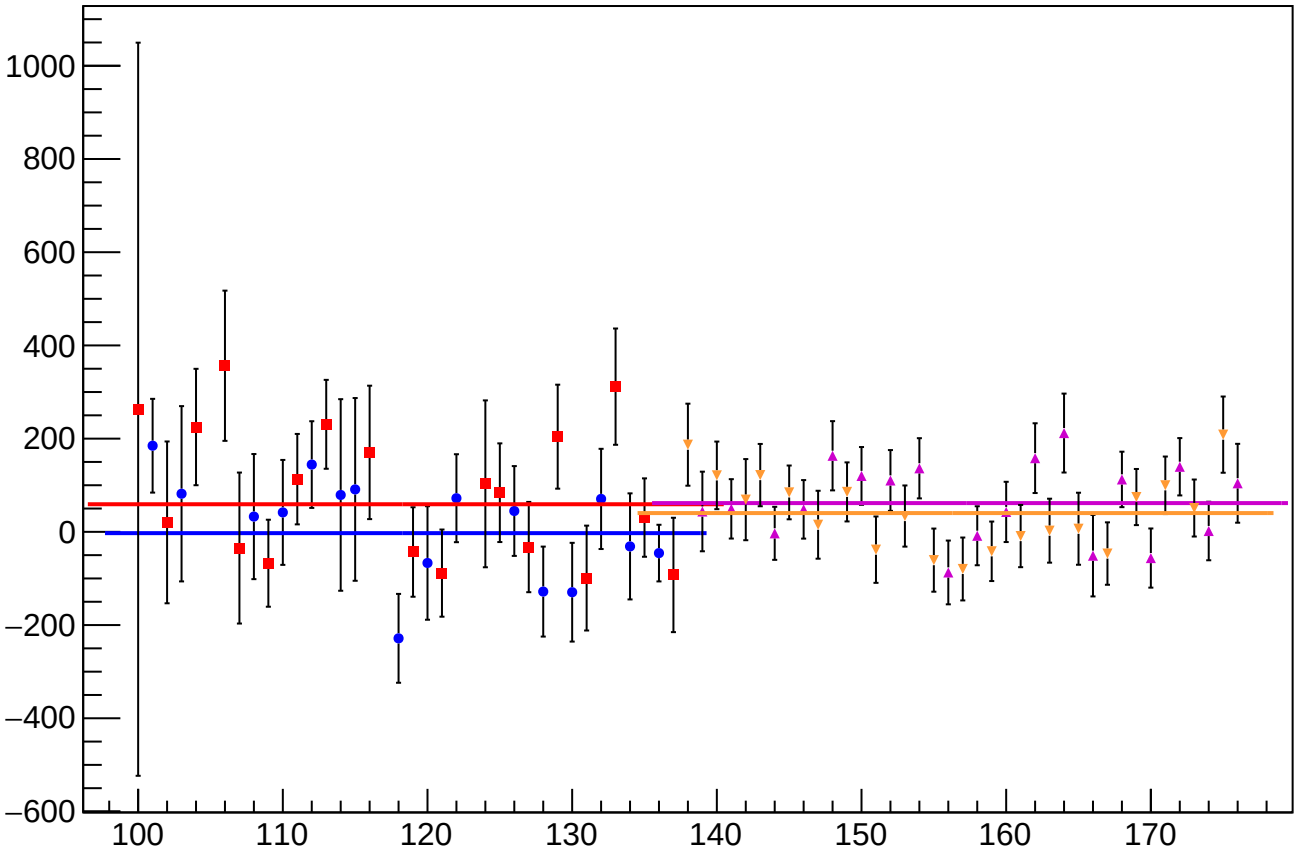
Left: 516.645+/-0.067 χ^2/NDF: 2301591.4/38

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 562.987+/-0.088 χ^2/NDF:3962974.6/34

Out: 575.129+/-0.089 χ^2/NDF:4158773.8/38

All: 569.001+/-0.062 χ^2/NDF: 8131244.5/73



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

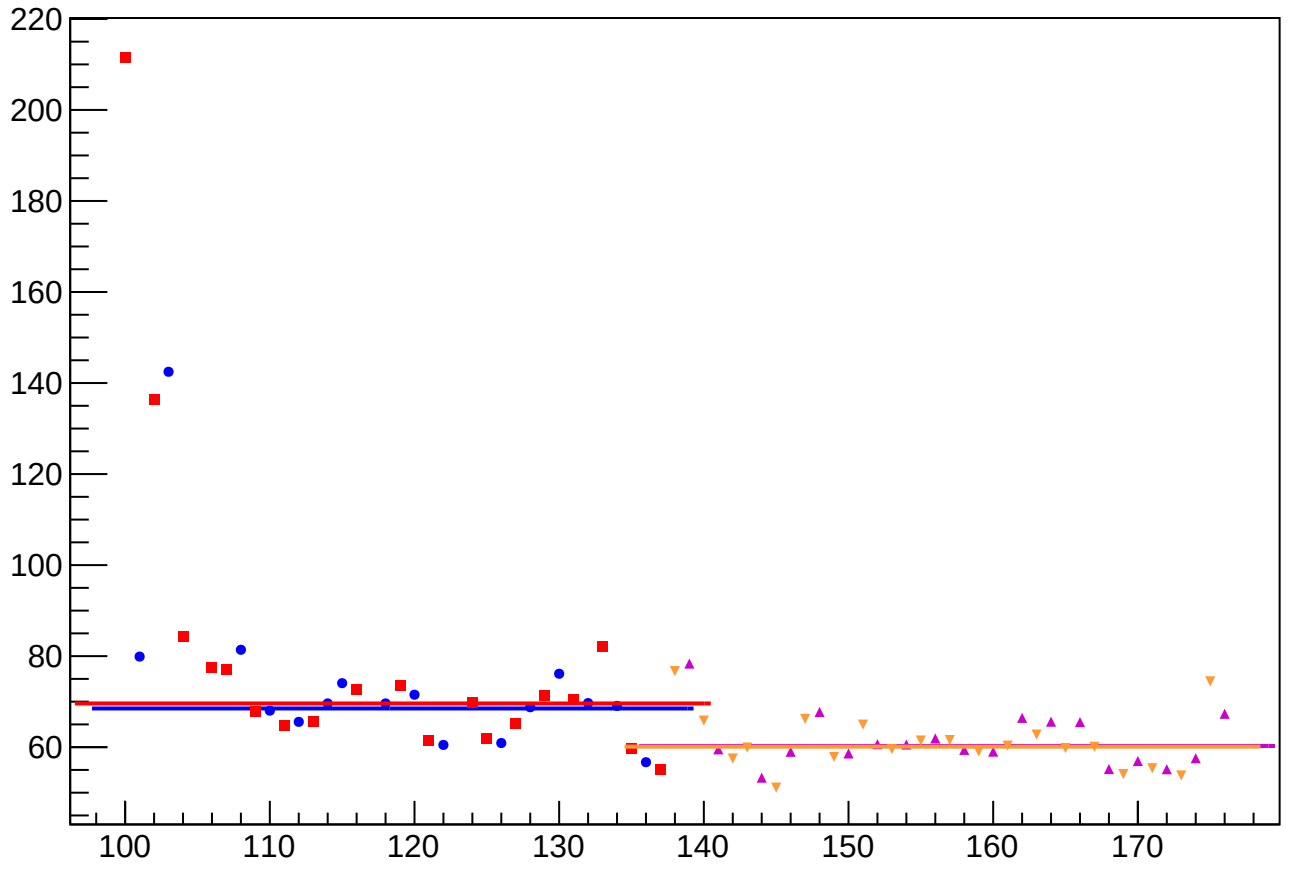
Left: 50.855+/-10.840 χ^2/NDF: 49.9/38

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.113+/-13.295 χ^2/NDF:47.7/34

Out: 45.017+/-13.193 χ^2/NDF:49.4/38

All: 45.065+/-9.365 χ^2/NDF: 97.1/73



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.190+/-0.008 χ^2/NDF: 505318.5/38

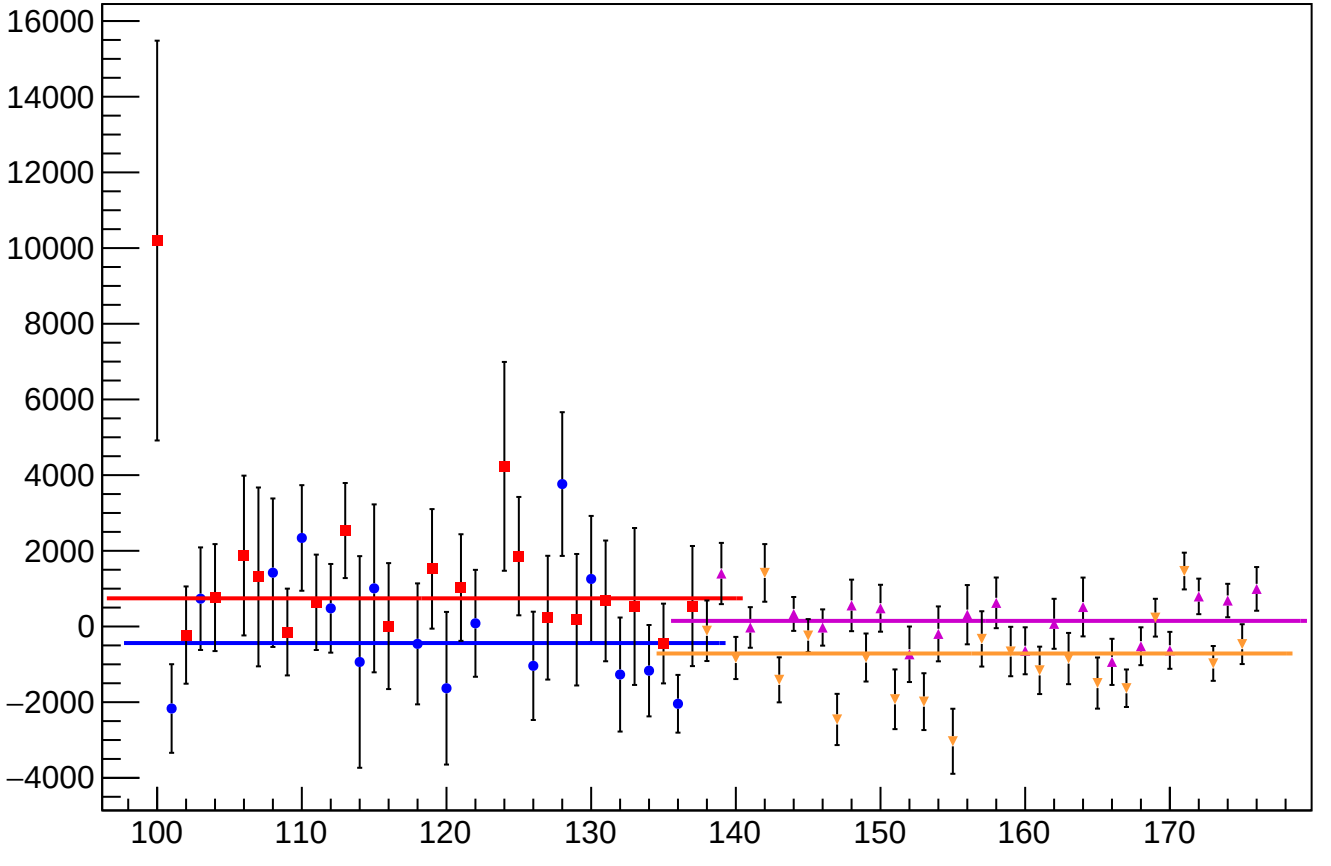
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.383+/-0.009 χ^2/NDF:843560.7/34

Out: 62.489+/-0.009 χ^2/NDF:993674.3/38

All: 62.436+/-0.007 χ^2/NDF: 1837299.4/73

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: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 148.341+/-132.680 χ^2/NDF:20.5/18

Left: -278.635+/-94.243 χ^2/NDF: 101.5/38

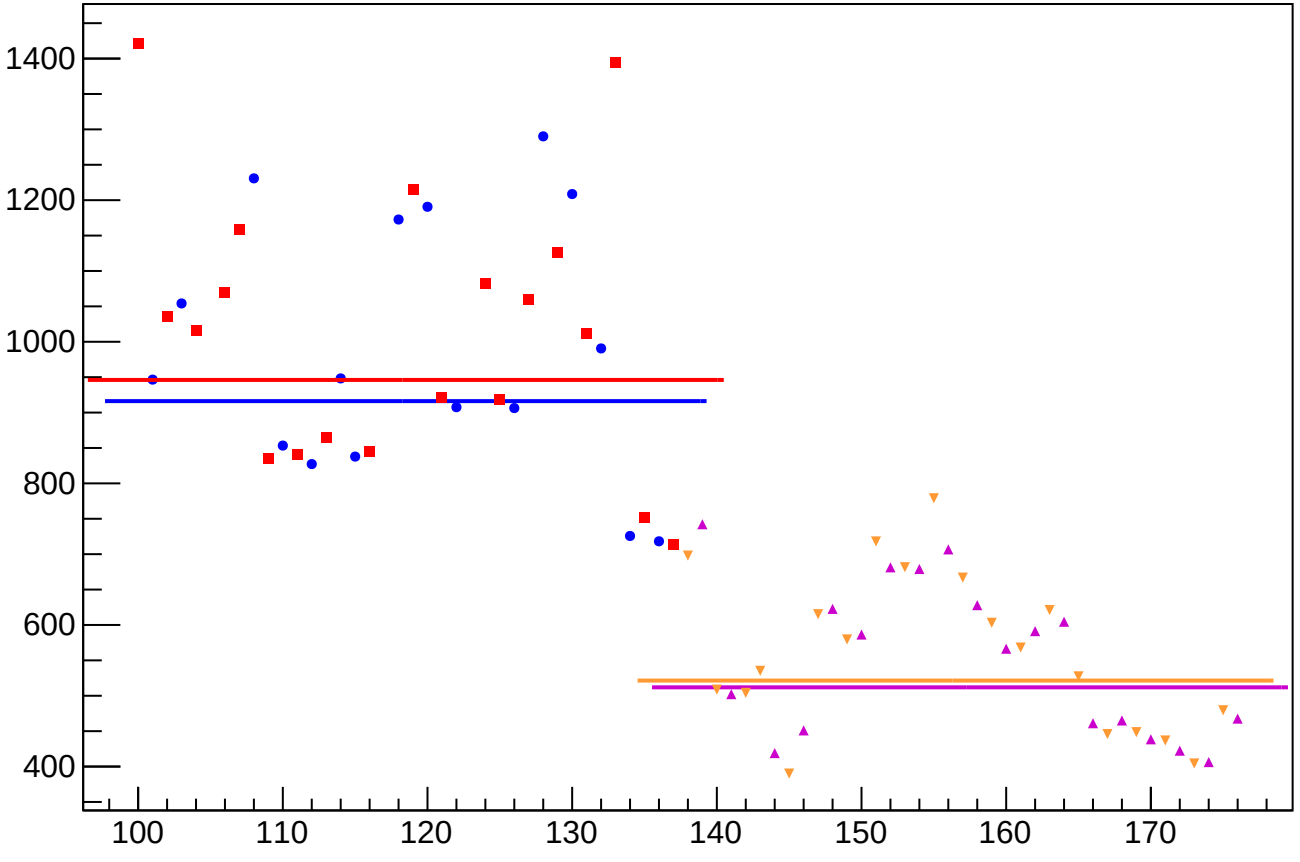
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 74.328+/-124.014 χ^2/NDF:43.6/34

Out: -530.526+/-125.208 χ^2/NDF:85.8/38

All: -225.202+/-88.111 χ^2/NDF: 141.1/73

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: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

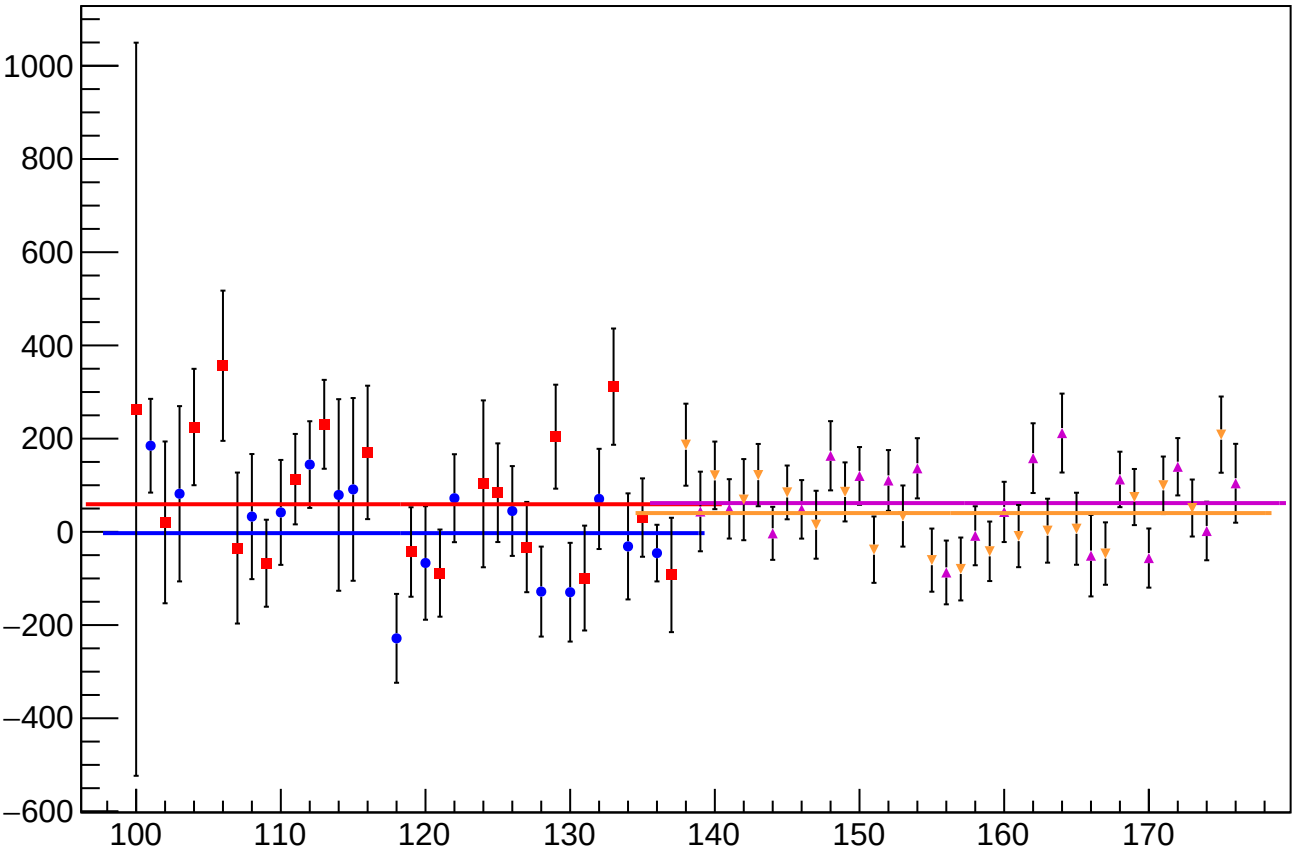
Left: 516.645+/-0.067 χ^2/NDF: 2301593.3/38

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.987+/-0.088 χ^2/NDF:3963017.5/34

Out: 574.745+/-0.089 χ^2/NDF:4117956.8/38

All: 568.809+/-0.062 χ^2/NDF: 8089876.6/73



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 40.279+/-15.235 χ^2/NDF:23.4/19

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

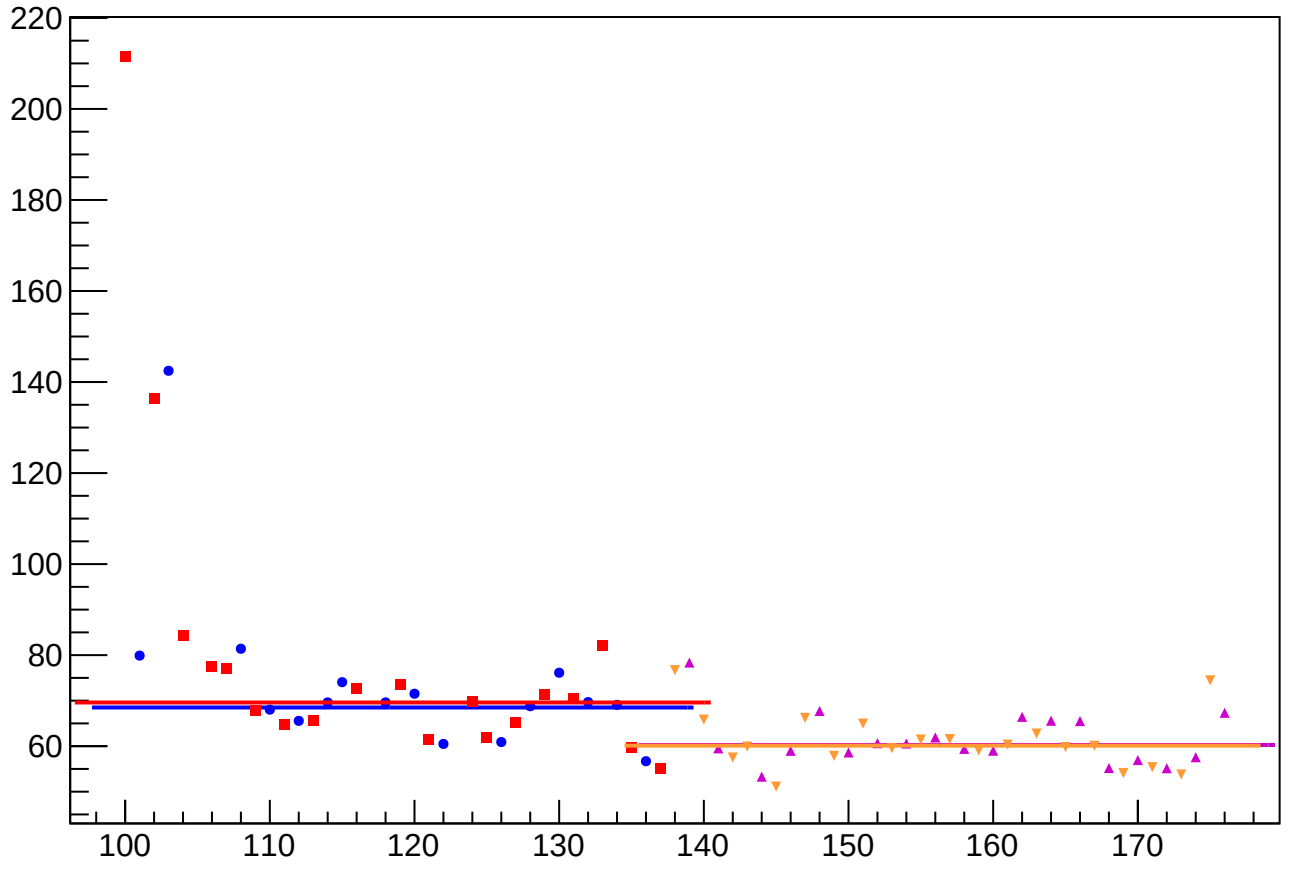
Left: 50.855+/-10.840 χ^2/NDF: 49.9/38

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.113+/-13.295 χ^2/NDF:47.7/34

Out: 45.017+/-13.193 χ^2/NDF:49.4/38

All: 45.065+/-9.365 χ^2/NDF: 97.1/73



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.118+/-0.011 χ^2/NDF:280119.6/19

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.190+/-0.008 χ^2/NDF: 505318.5/38

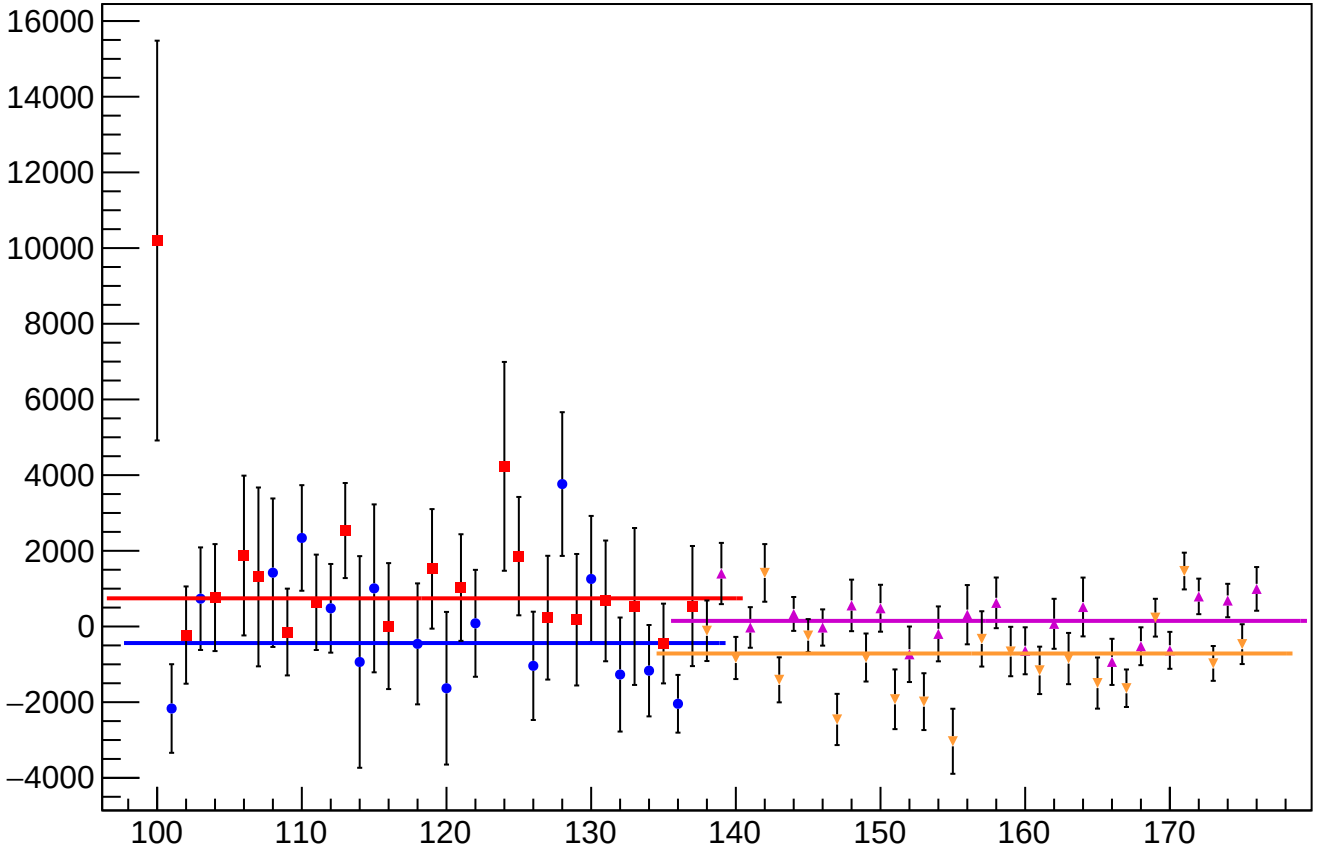
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.383+/-0.009 χ^2/NDF:843560.7/34

Out: 62.489+/-0.009 χ^2/NDF:993674.3/38

All: 62.436+/-0.007 χ^2/NDF: 1837299.4/73

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: -713.429+/-133.889 χ^2/NDF:60.0/19

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 148.341+/-132.680 χ^2/NDF:20.5/18

Left: -278.635+/-94.243 χ^2/NDF: 101.5/38

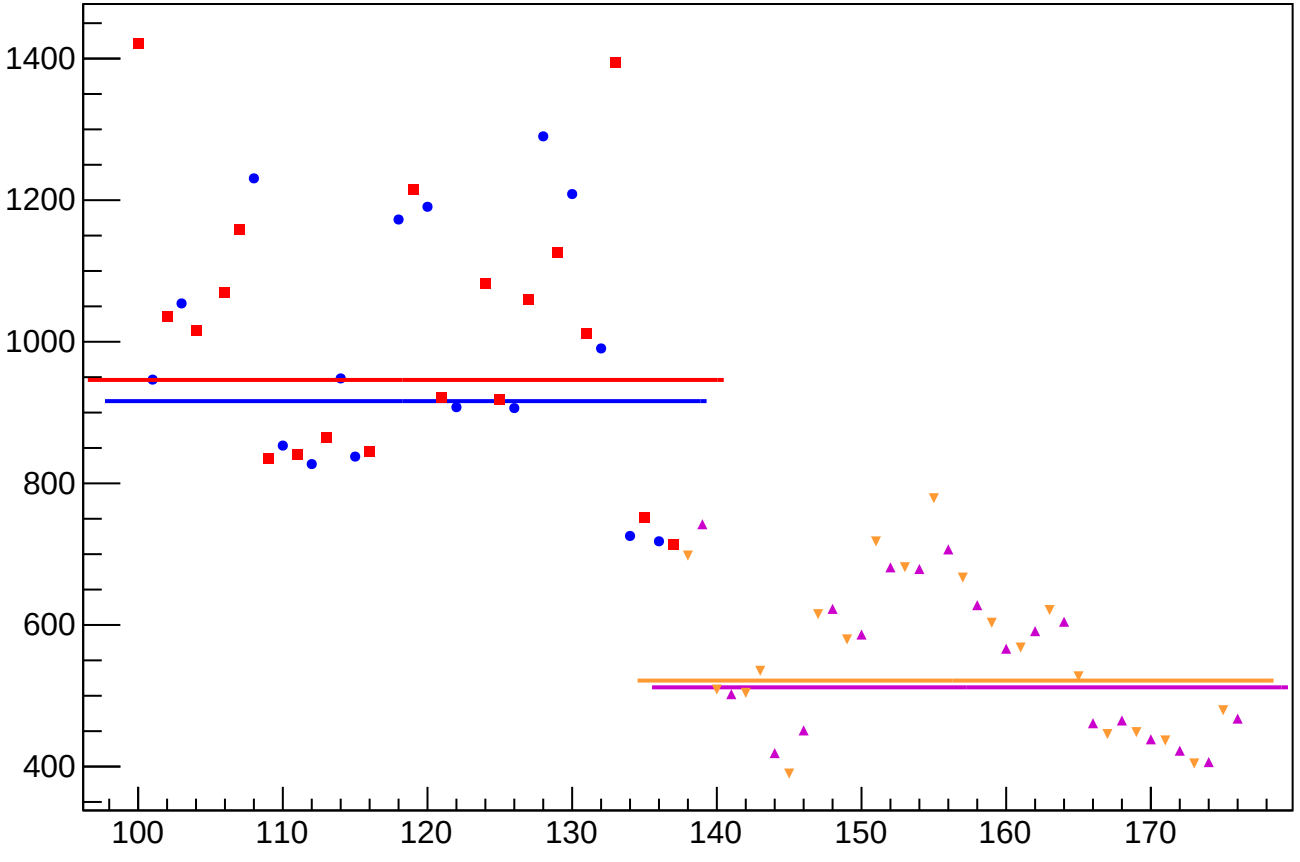
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 74.328+/-124.014 χ^2/NDF:43.6/34

Out: -530.526+/-125.208 χ^2/NDF:85.8/38

All: -225.202+/-88.111 χ^2/NDF: 141.1/73

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: 521.470+/-0.095 χ^2/NDF:1188687.8/19

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

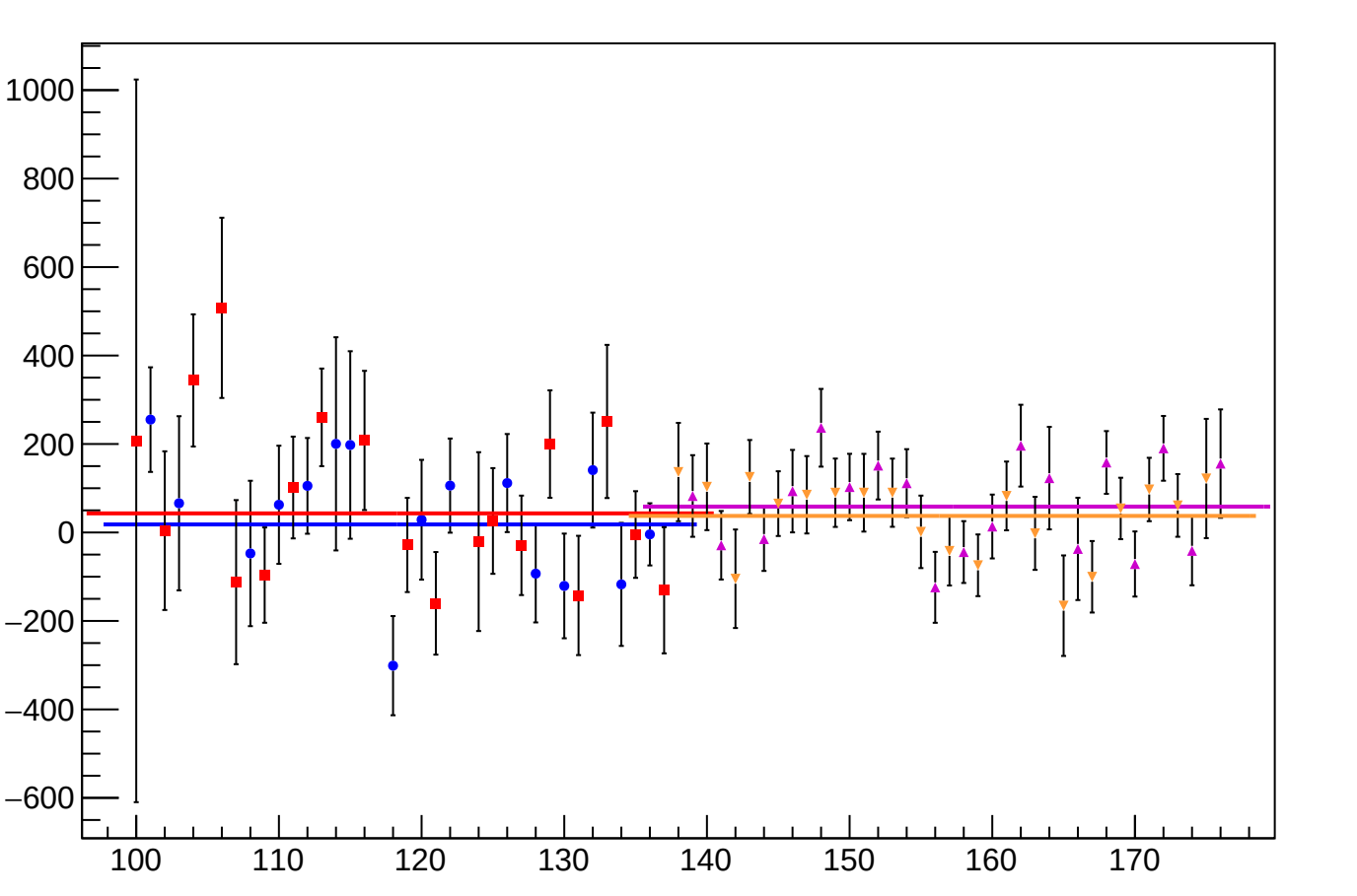
Left: 516.645+/-0.067 χ^2/NDF: 2301593.3/38

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.987+/-0.088 χ^2/NDF:3963017.5/34

Out: 574.745+/-0.089 χ^2/NDF:4117956.8/38

All: 568.809+/-0.062 χ^2/NDF: 8089876.6/73



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.478+/-18.707 χ^2/NDF:30.5/18

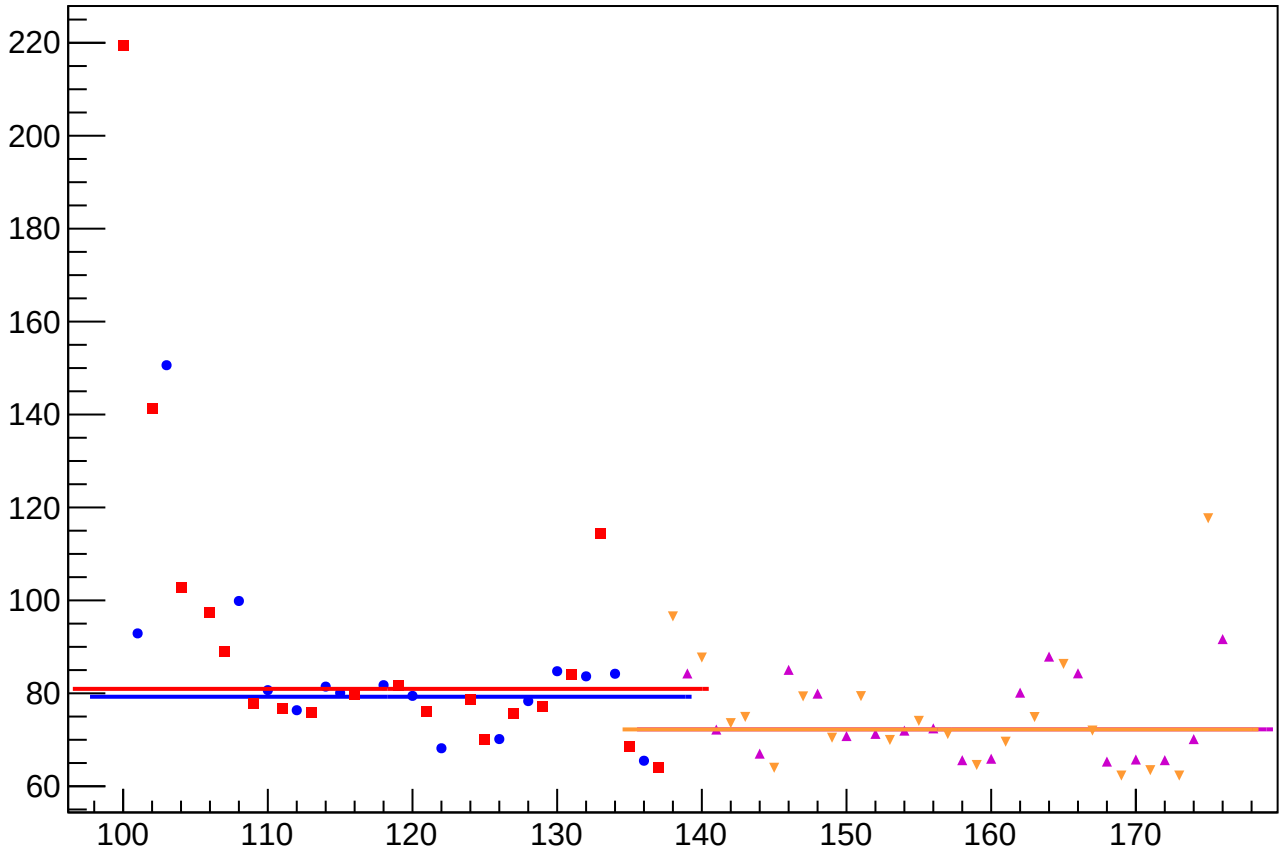
Left: 47.856+/-13.169 χ^2/NDF: 48.5/38

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 47.380+/-15.925 χ^2/NDF:51.9/34

Out: 38.951+/-15.872 χ^2/NDF:45.2/38

All: 43.151+/-11.242 χ^2/NDF: 97.2/73



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.232+/-0.013 χ^2/NDF:600756.9/19

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.6/18

Left: 72.238+/-0.009 χ^2/NDF: 908401.0/38

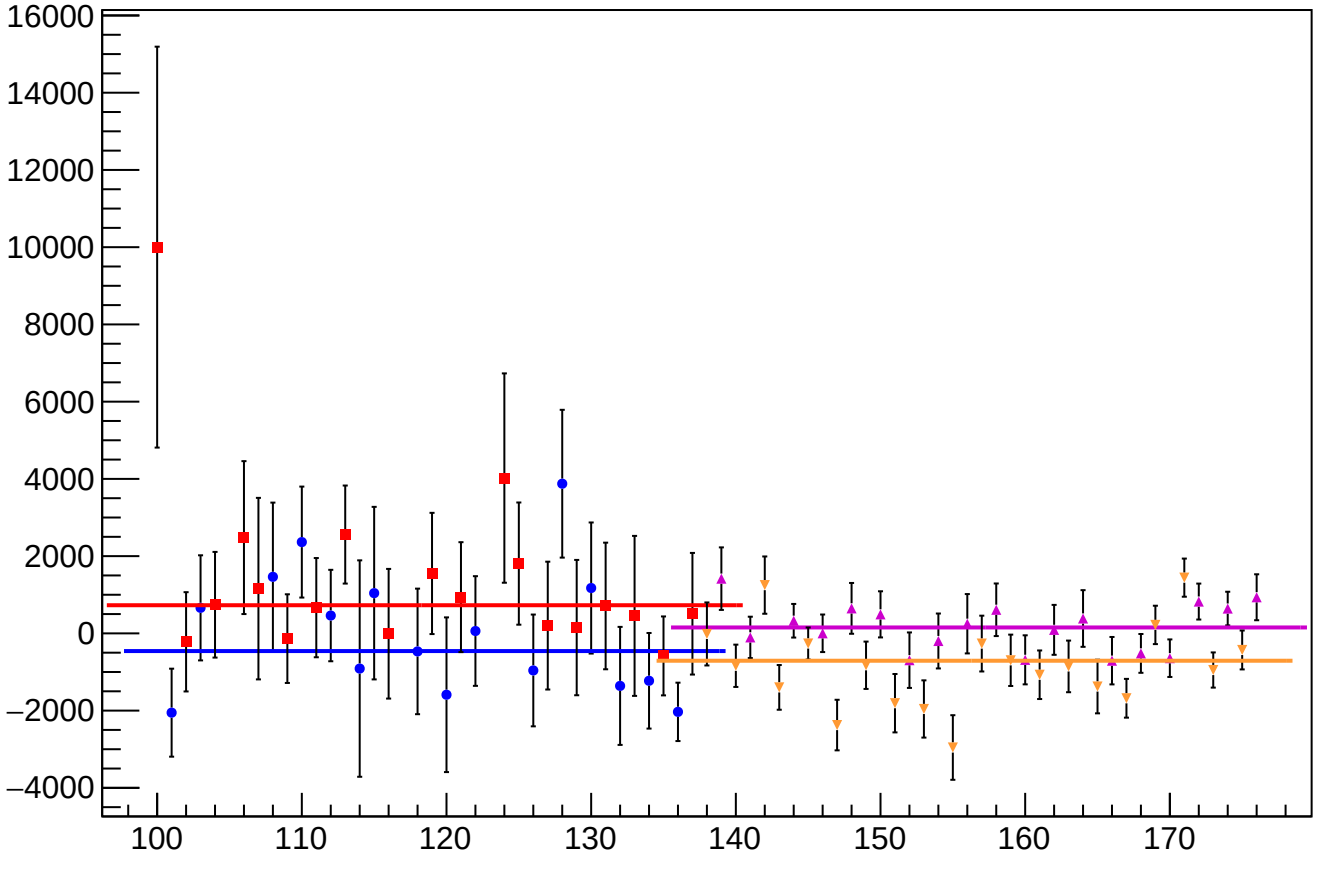
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.178+/-0.011 χ^2/NDF:830106.5/34

Out: 74.563+/-0.011 χ^2/NDF:1233314.9/38

All: 74.371+/-0.008 χ^2/NDF: 2064009.3/73

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: -708.538+/-132.065 χ^2/NDF:57.5/19

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 153.053+/-131.660 χ^2/NDF:19.3/18

Left: -276.422+/-93.241 χ^2/NDF: 98.1/38

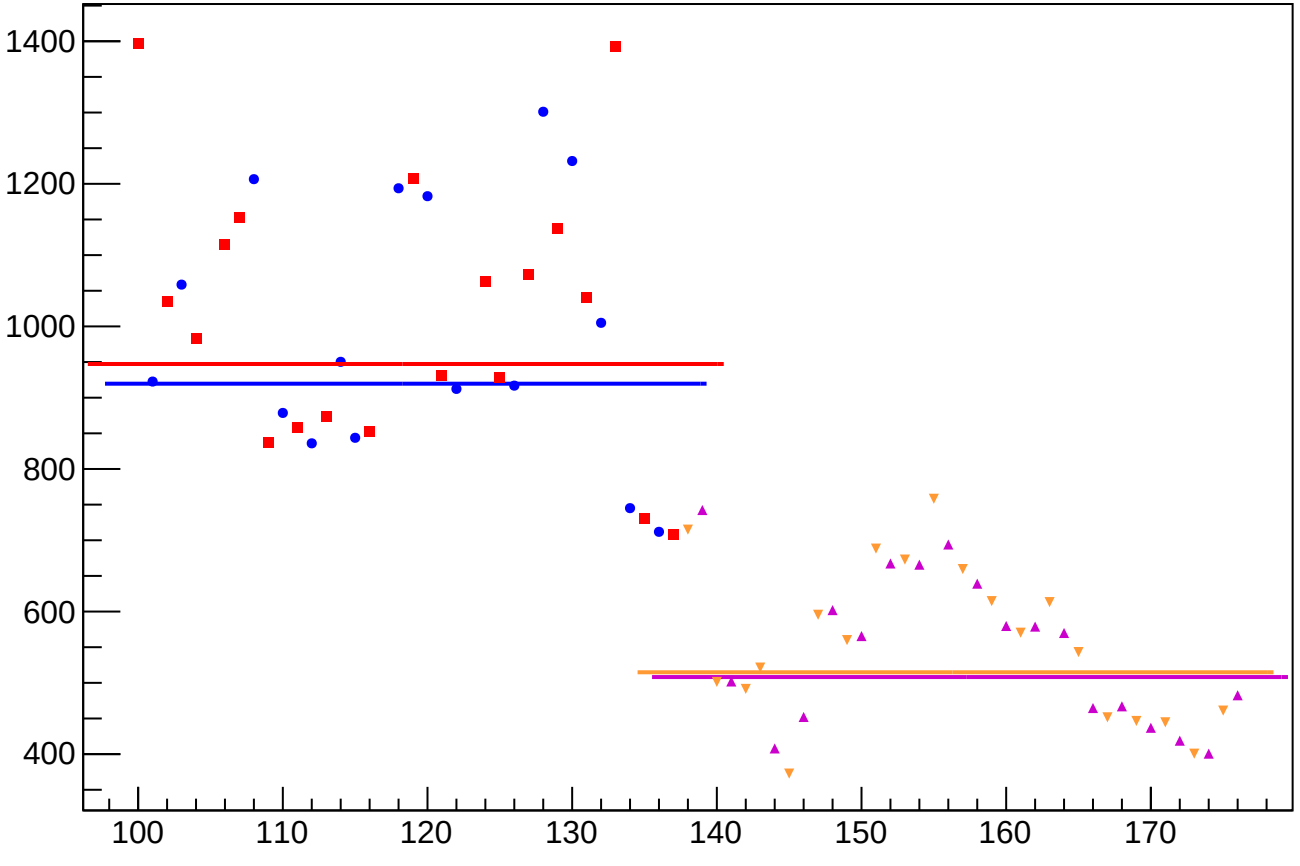
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 77.319+/-123.233 χ^2/NDF:42.2/34

Out: -531.692+/-123.673 χ^2/NDF:83.6/38

All: -226.101+/-87.294 χ^2/NDF: 138.0/73

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: 514.831+/-0.093 χ^2/NDF:1211128.1/19

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 508.131+/-0.093 χ^2/NDF:1075992.2/18

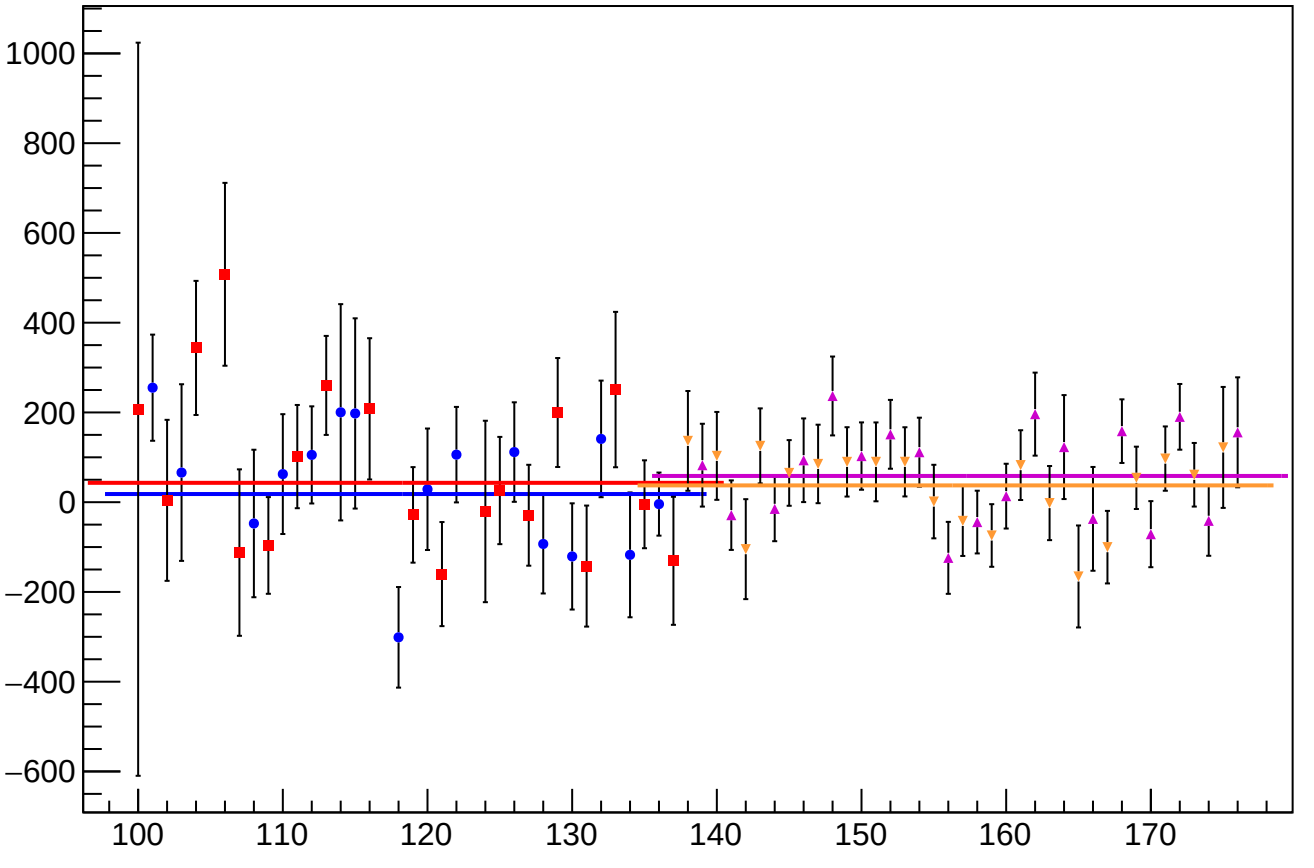
Left: 511.471+/-0.066 χ^2/NDF: 2289701.8/38

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 559.124+/-0.087 χ^2/NDF:4012511.4/34

Out: 568.039+/-0.087 χ^2/NDF:4275231.4/38

All: 563.566+/-0.062 χ^2/NDF: 8292957.6/73



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.422+/-18.541 χ^2/NDF:17.4/19

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.477+/-18.707 χ^2/NDF:30.5/18

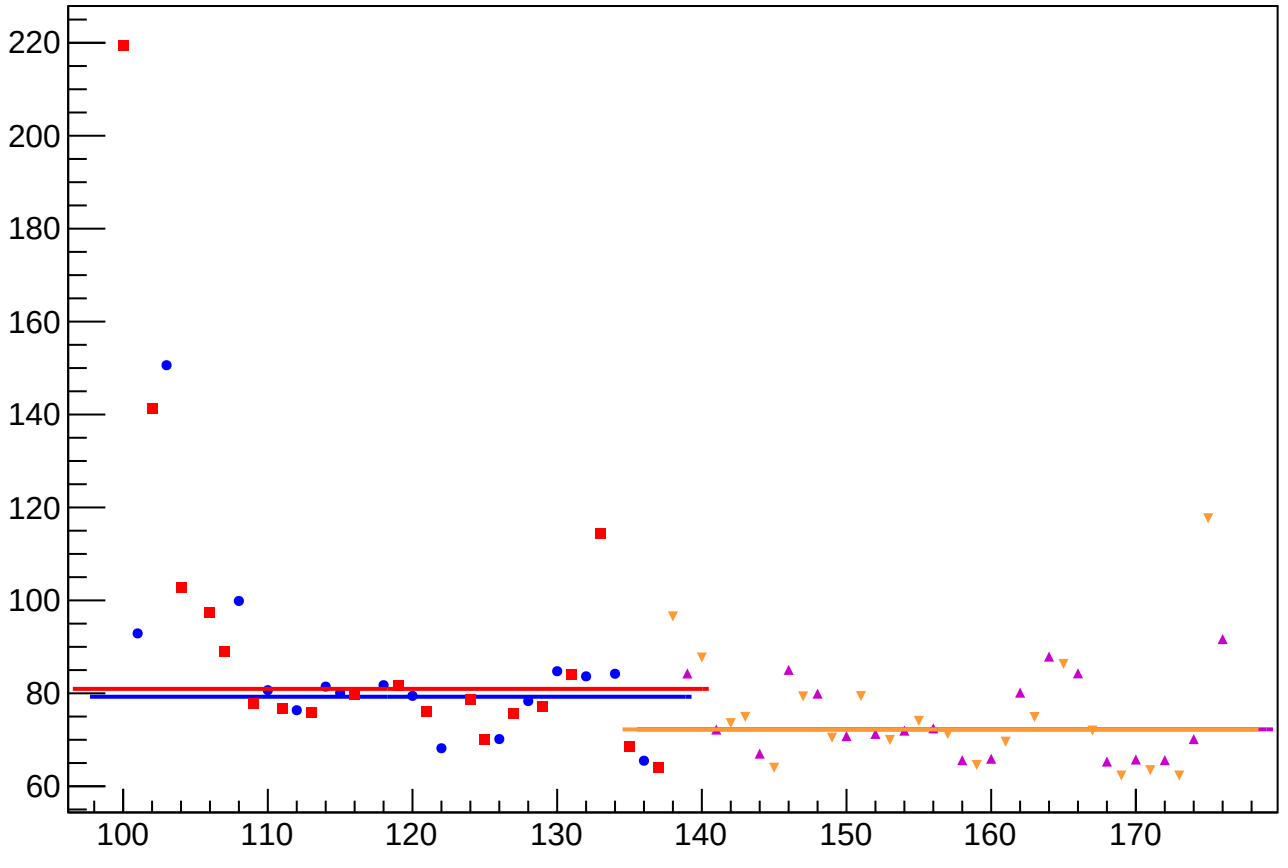
Left: 47.855+/-13.169 χ^2/NDF: 48.5/38

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 47.379+/-15.925 χ^2/NDF:51.9/34

Out: 38.951+/-15.872 χ^2/NDF:45.1/38

All: 43.151+/-11.242 χ^2/NDF: 97.2/73



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.232+/-0.013 χ^2/NDF:600754.9/19

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.8/18

Left: 72.238+/-0.009 χ^2/NDF: 908399.2/38

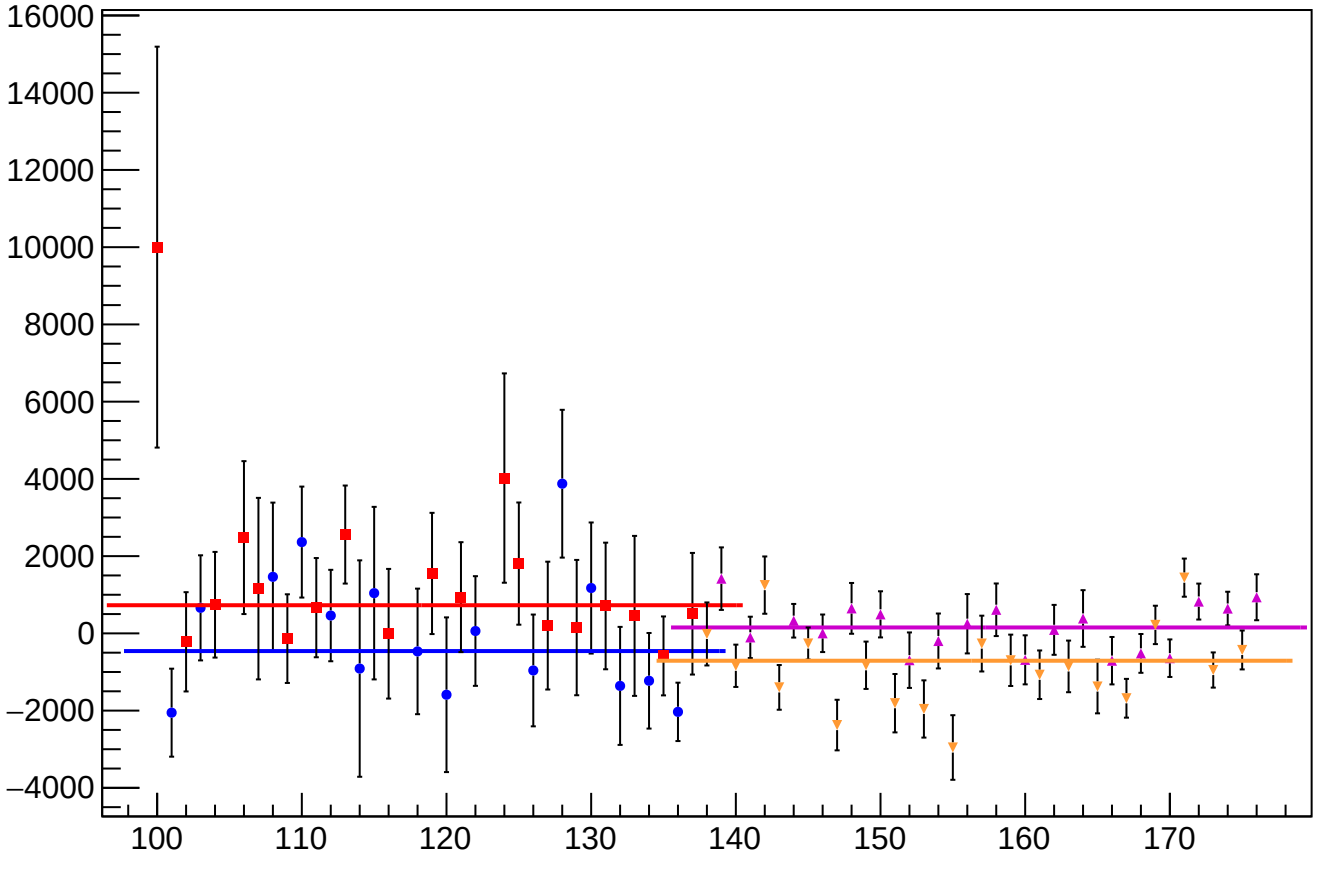
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.178+/-0.011 χ^2/NDF:830093.4/34

Out: 74.563+/-0.011 χ^2/NDF:1233310.1/38

All: 74.371+/-0.008 χ^2/NDF: 2063991.5/73

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: -708.537+/-132.064 χ^2/NDF:57.5/19

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 153.052+/-131.660 χ^2/NDF:19.3/18

Left: -276.422+/-93.240 χ^2/NDF: 98.1/38

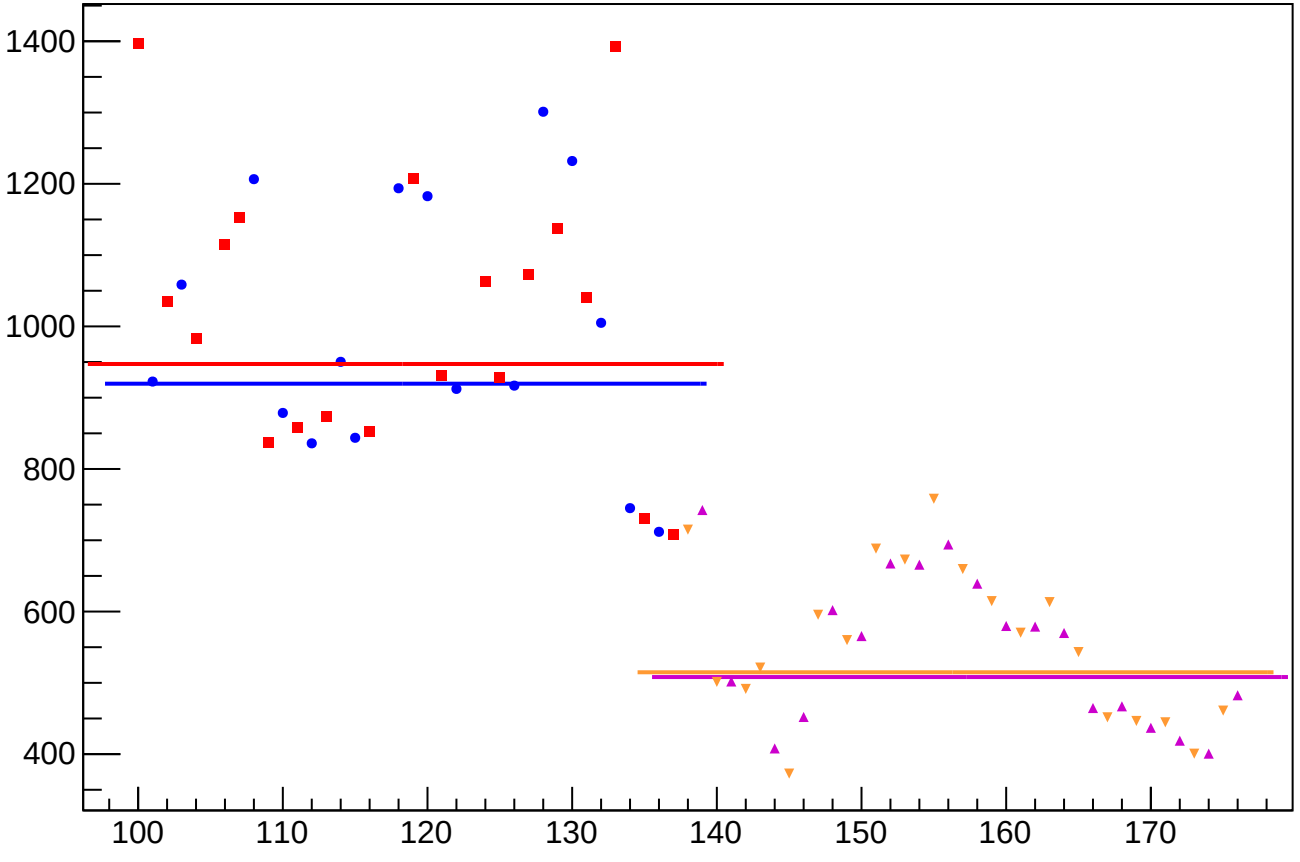
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 77.319+/-123.233 χ^2/NDF:42.2/34

Out: -531.691+/-123.673 χ^2/NDF:83.6/38

All: -226.101+/-87.294 χ^2/NDF: 138.0/73

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: 514.830+/-0.093 χ^2/NDF:1211131.0/19

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 508.130+/-0.093 χ^2/NDF:1075992.1/18

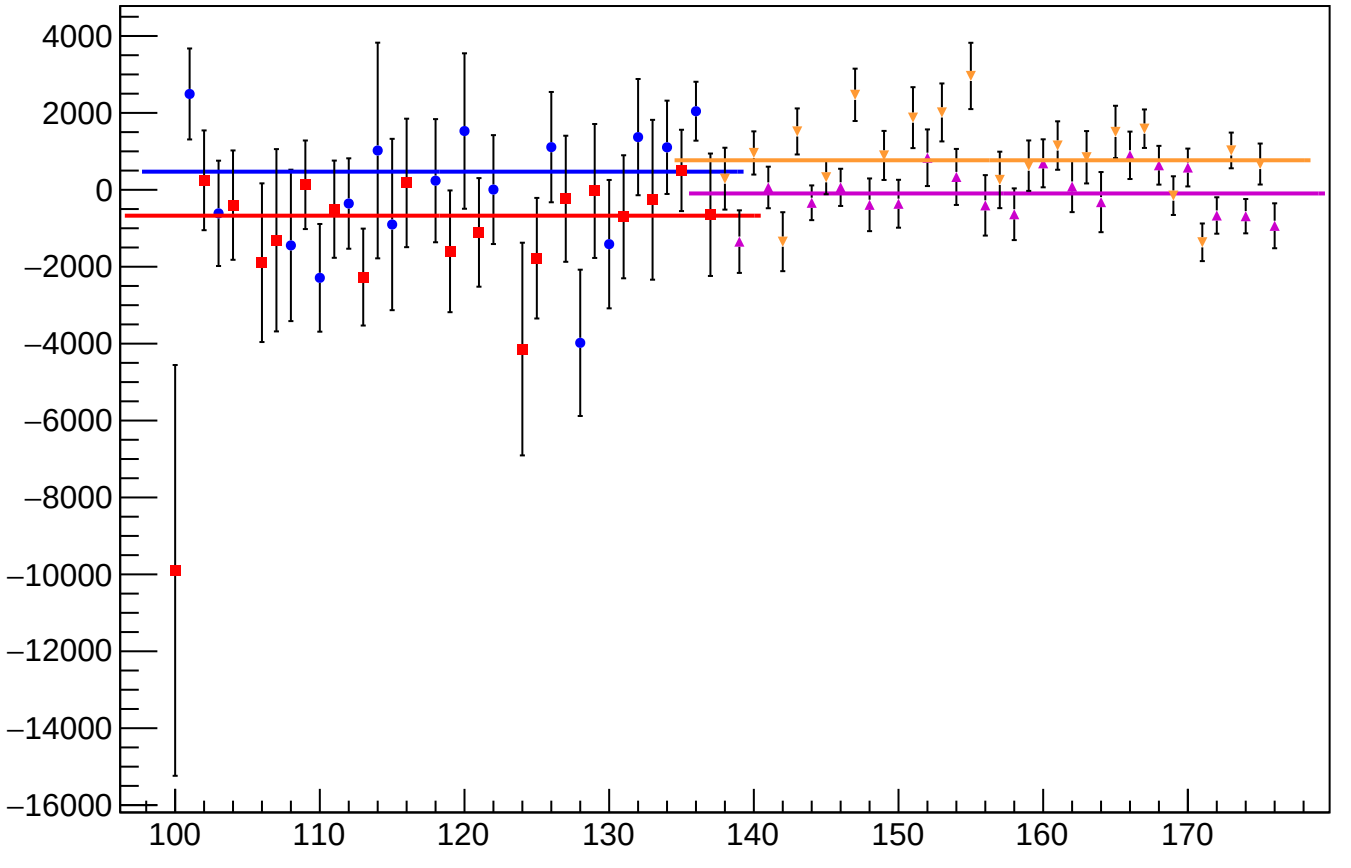
Left: 511.470+/-0.066 χ^2/NDF: 2289704.7/38

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 559.123+/-0.087 χ^2/NDF:4012507.6/34

Out: 568.038+/-0.087 χ^2/NDF:4275230.6/38

All: 563.565+/-0.062 χ^2/NDF: 8292952.9/73



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 768.019+/-134.868 χ^2/NDF:55.6/19

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -94.790+/-133.696 χ^2/NDF:19.6/18

Left: 332.846+/-94.949 χ^2/NDF: 95.8/38

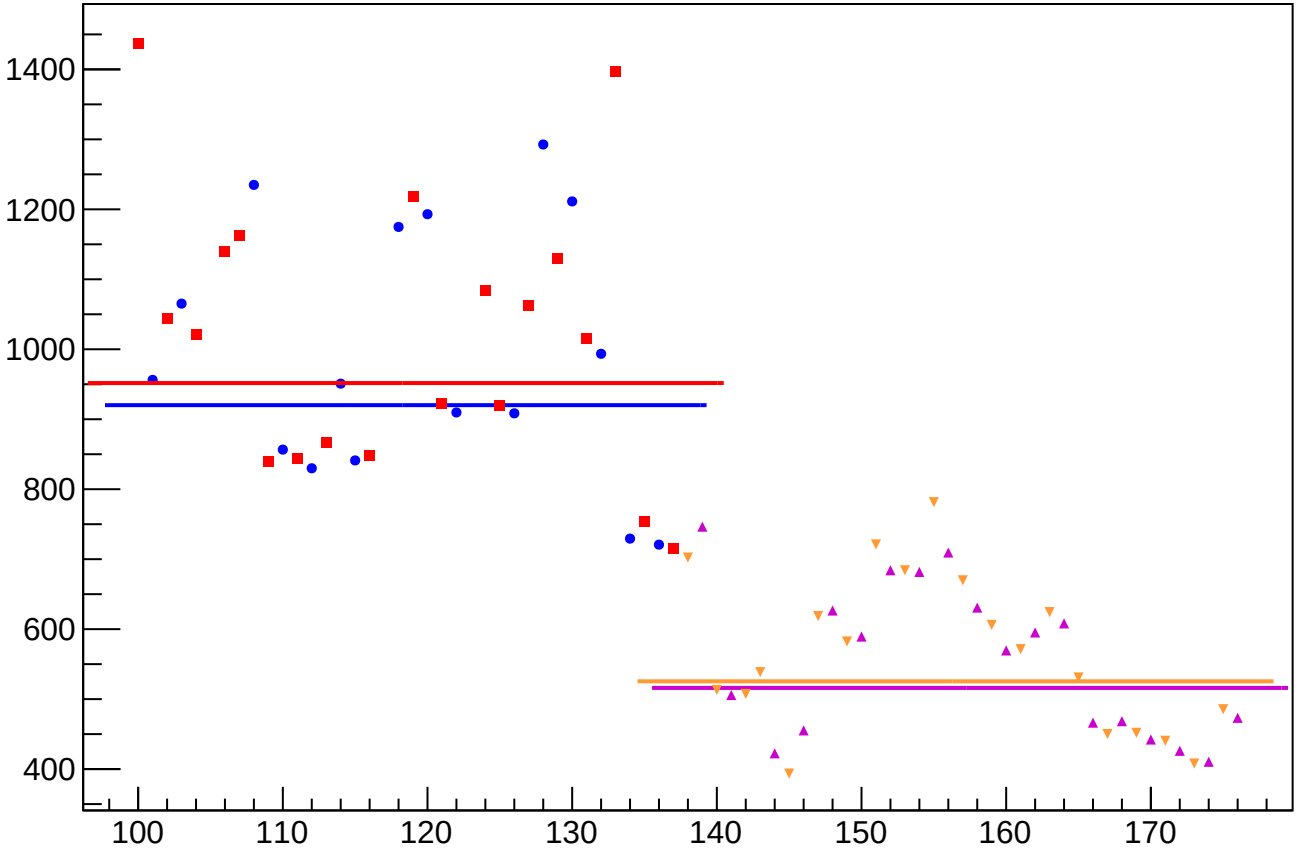
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -22.752+/-124.911 χ^2/NDF:43.3/34

Out: 585.887+/-126.055 χ^2/NDF:80.3/38

All: 278.794+/-88.727 χ^2/NDF: 135.4/73

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.470+/-0.095 χ^2/NDF:1167899.6/19

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 516.012+/-0.095 χ^2/NDF:1086853.2/18

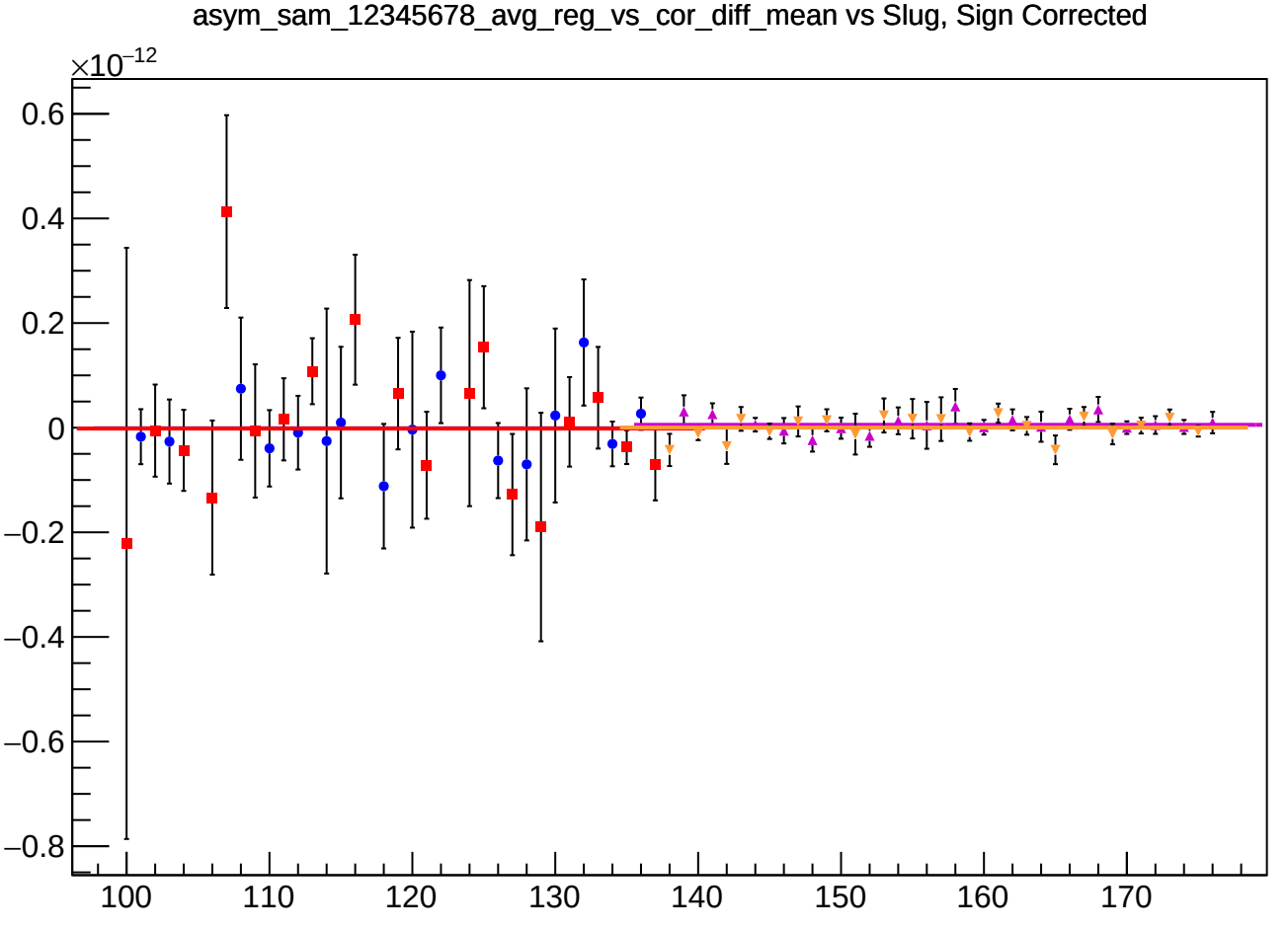
Left: 520.699+/-0.067 χ^2/NDF: 2259714.1/38

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 567.373+/-0.088 χ^2/NDF:3917925.3/34

Out: 579.362+/-0.089 χ^2/NDF:4109857.3/38

All: 573.313+/-0.063 χ^2/NDF: 8036911.3/73



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/18

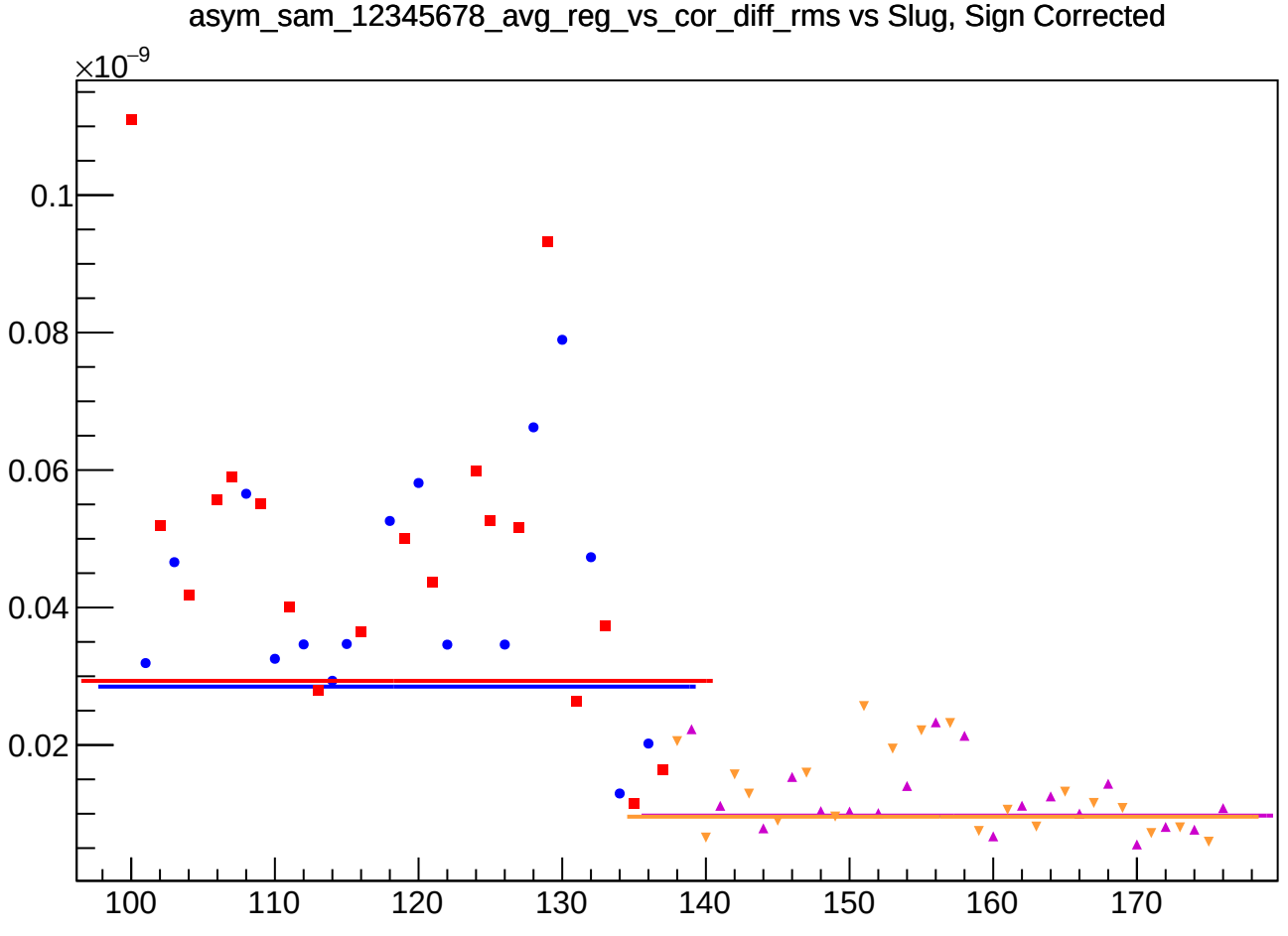
Left: 0.000+/-0.000 χ^2/NDF: 23.7/38

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.5/34

Out: 0.000+/-0.000 χ^2/NDF:34.1/38

All: 0.000+/-0.000 χ^2/NDF: 50.3/73



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1977949.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1478175.8/18

Left: 0.000+/-0.000 χ^2/NDF: 3457438.7/38

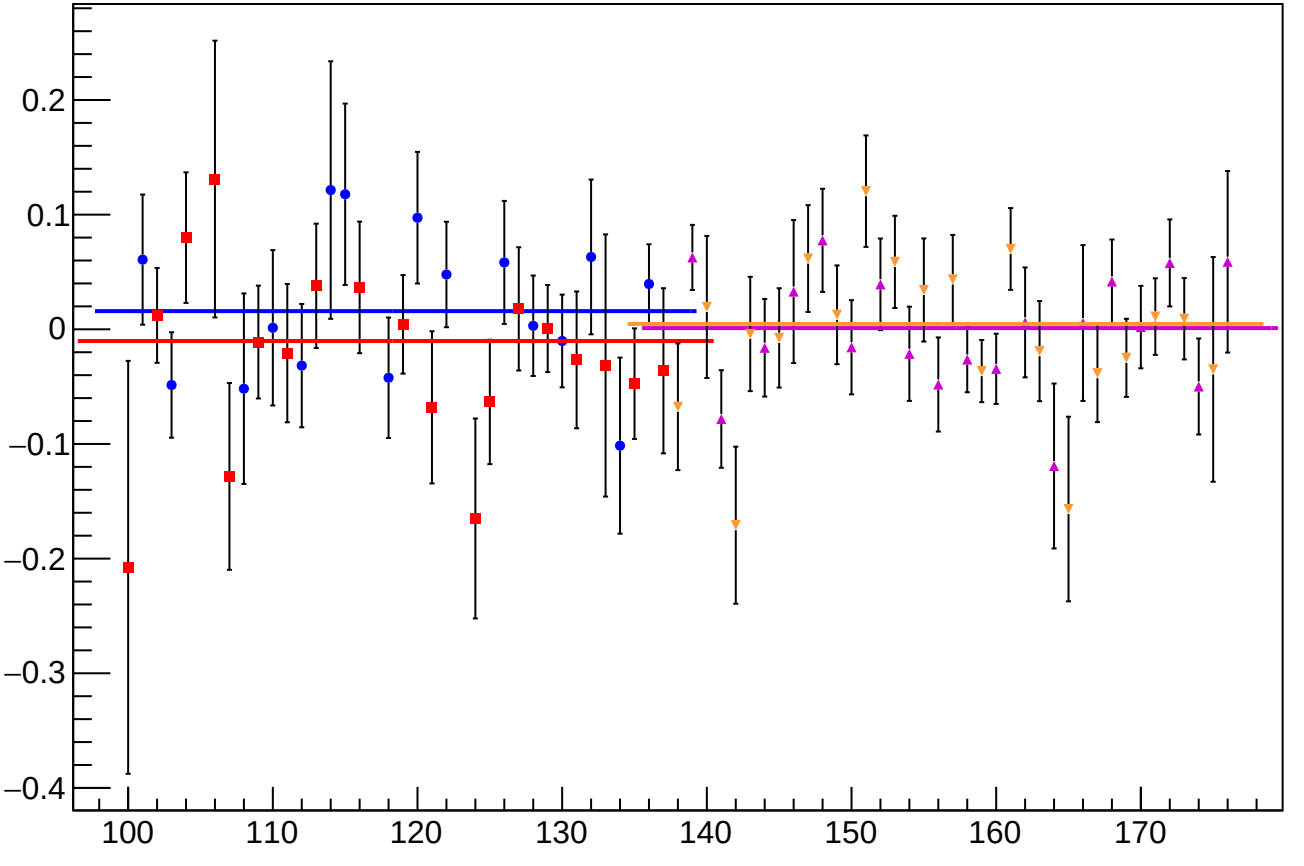
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4746167.6/34

Out: 0.000+/-0.000 χ^2/NDF:5632493.9/38

All: 0.000+/-0.000 χ^2/NDF: 10384807.7/73

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.003+/-0.007 χ^2/NDF: 55.8/38

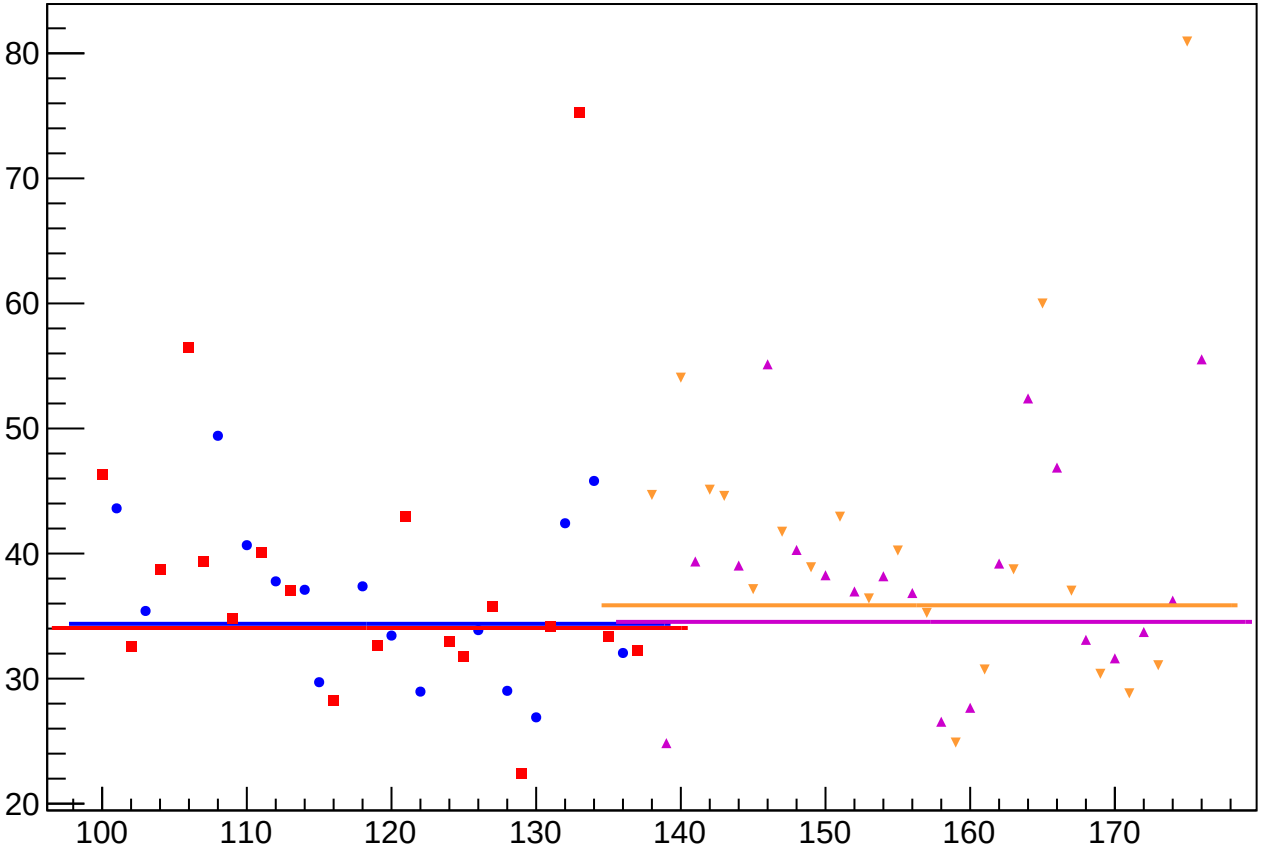
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.003+/-0.005 χ^2/NDF: 87.6/73

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: 35.862+/-0.007 χ^2/NDF:1587589.3/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

Left: 35.181+/-0.005 χ^2/NDF: 2812200.1/38

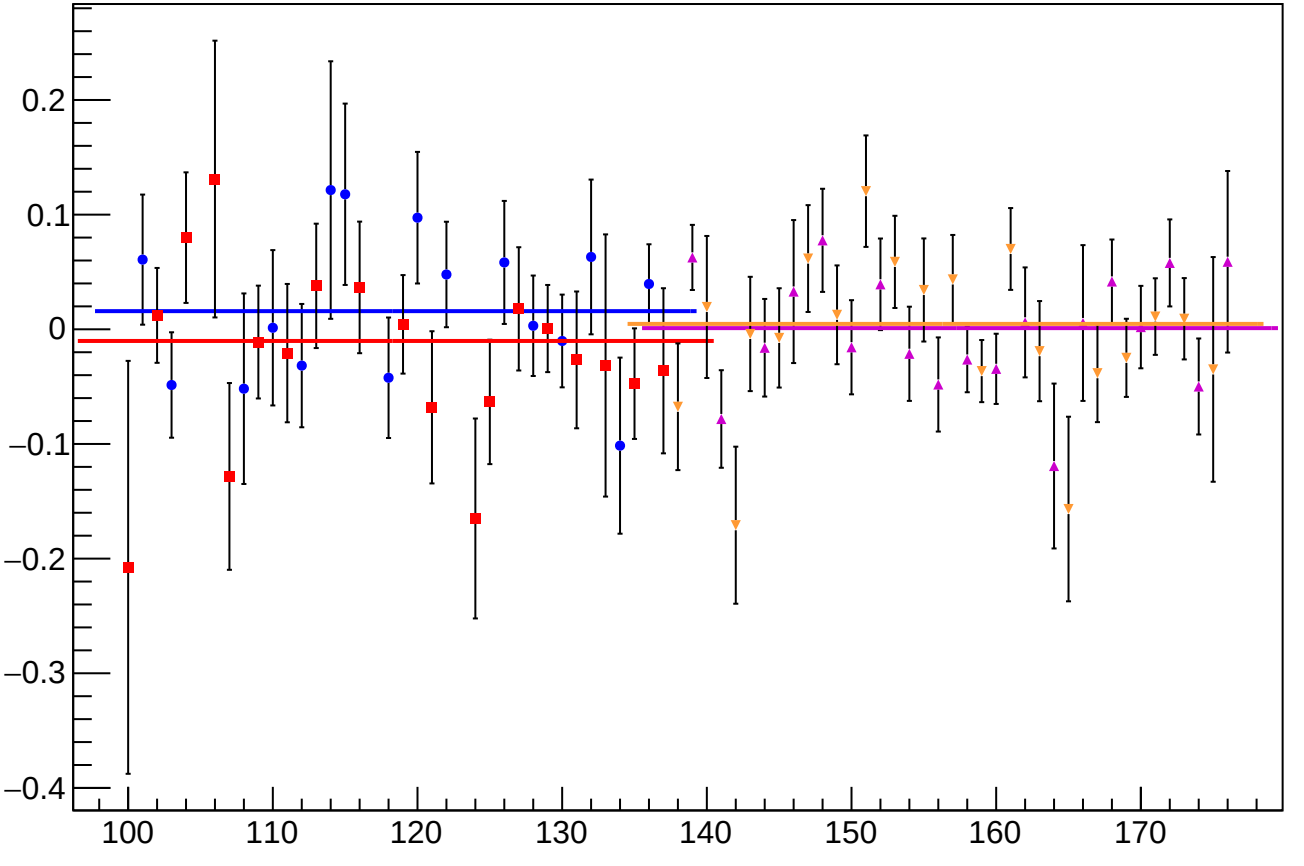
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.486+/-0.005 χ^2/NDF:1572888.1/34

Out: 35.239+/-0.005 χ^2/NDF:2255080.9/38

All: 34.858+/-0.004 χ^2/NDF: 3837557.7/73

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.003+/-0.007 χ^2/NDF: 55.8/38

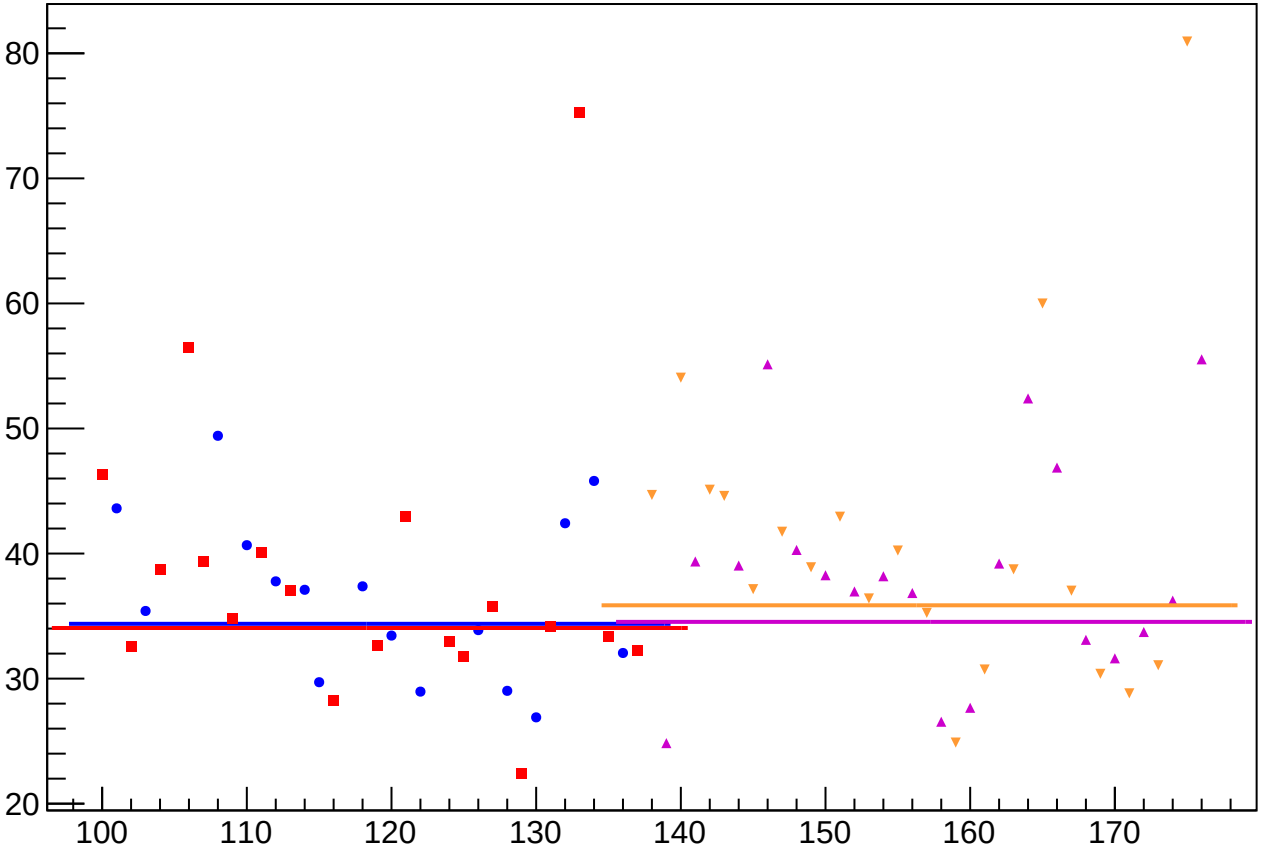
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.003+/-0.005 χ^2/NDF: 87.6/73

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: 35.862+/-0.007 χ^2/NDF:1587589.3/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

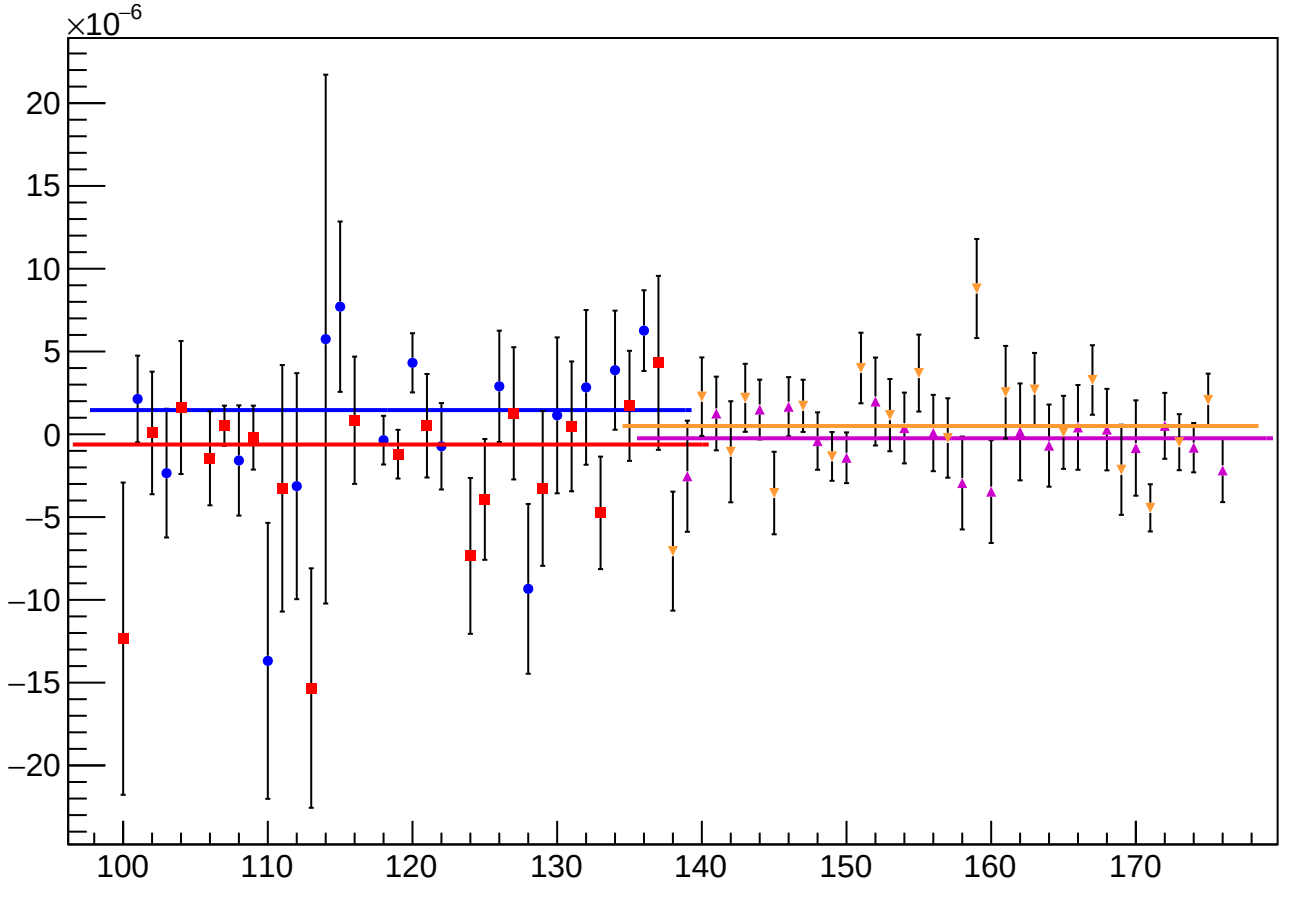
Left: 35.181+/-0.005 χ^2/NDF: 2812200.1/38

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.486+/-0.005 χ^2/NDF:1572888.1/34

Out: 35.239+/-0.005 χ^2/NDF:2255080.9/38

All: 34.858+/-0.004 χ^2/NDF: 3837557.7/73



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/18

Left: 0.000+/-0.000 χ^2/NDF: 49.9/38

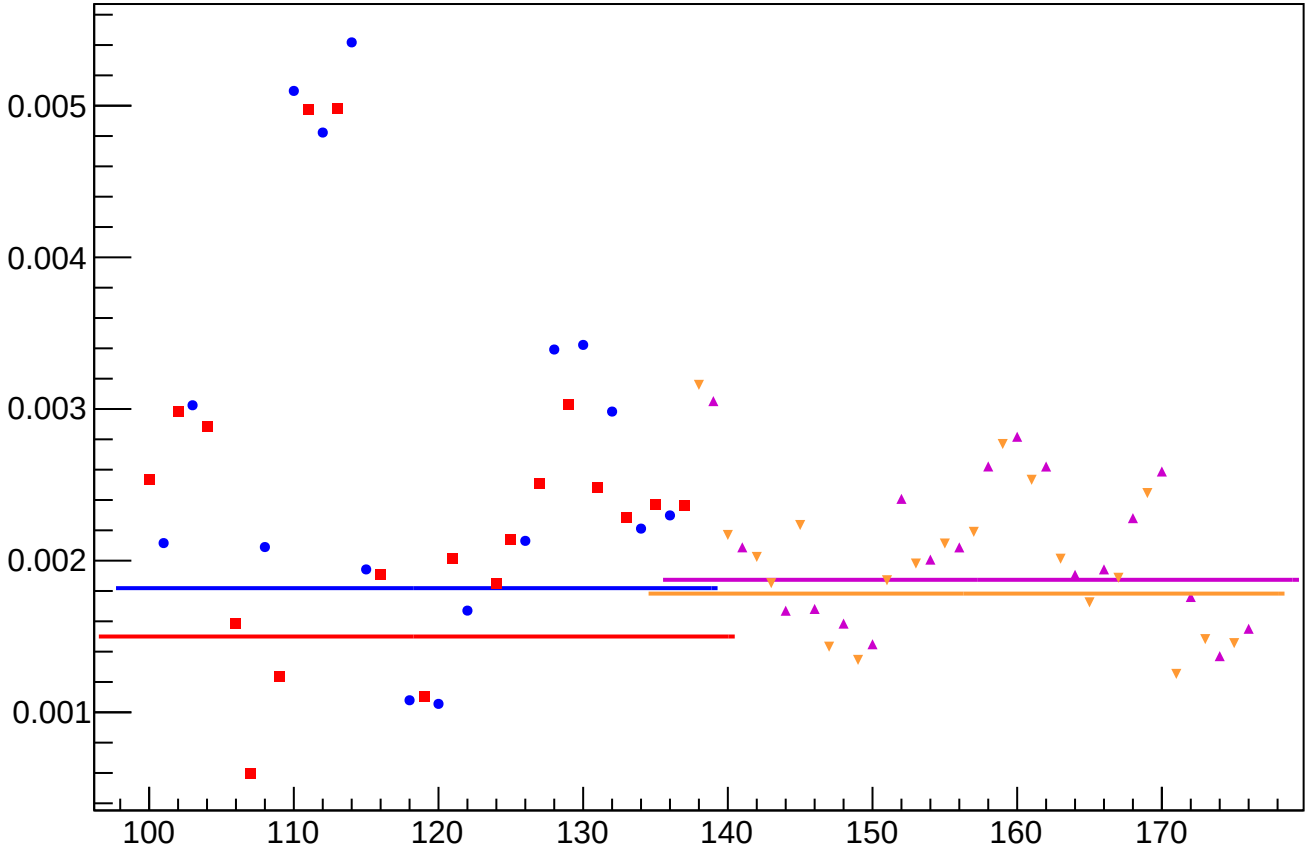
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: 0.000+/-0.000 χ^2/NDF:56.7/38

All: 0.000+/-0.000 χ^2/NDF: 89.2/73

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751121.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1556670.9/18

Left: 0.002+/-0.000 χ^2/NDF: 3344106.5/38

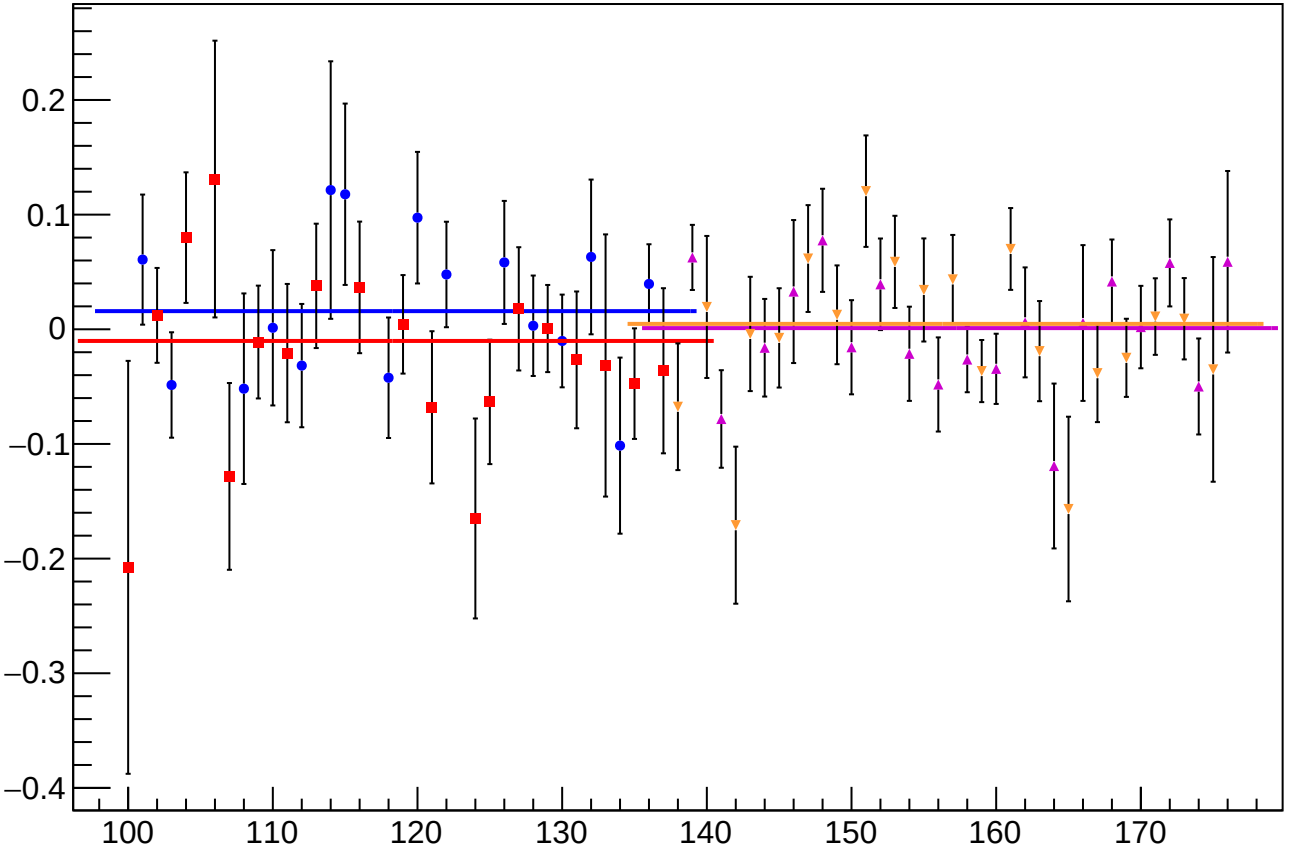
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4134424.1/34

Out: 0.002+/-0.000 χ^2/NDF:5693755.4/38

All: 0.002+/-0.000 χ^2/NDF: 10015208.4/73

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: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.003+/-0.007 χ^2/NDF: 55.8/38

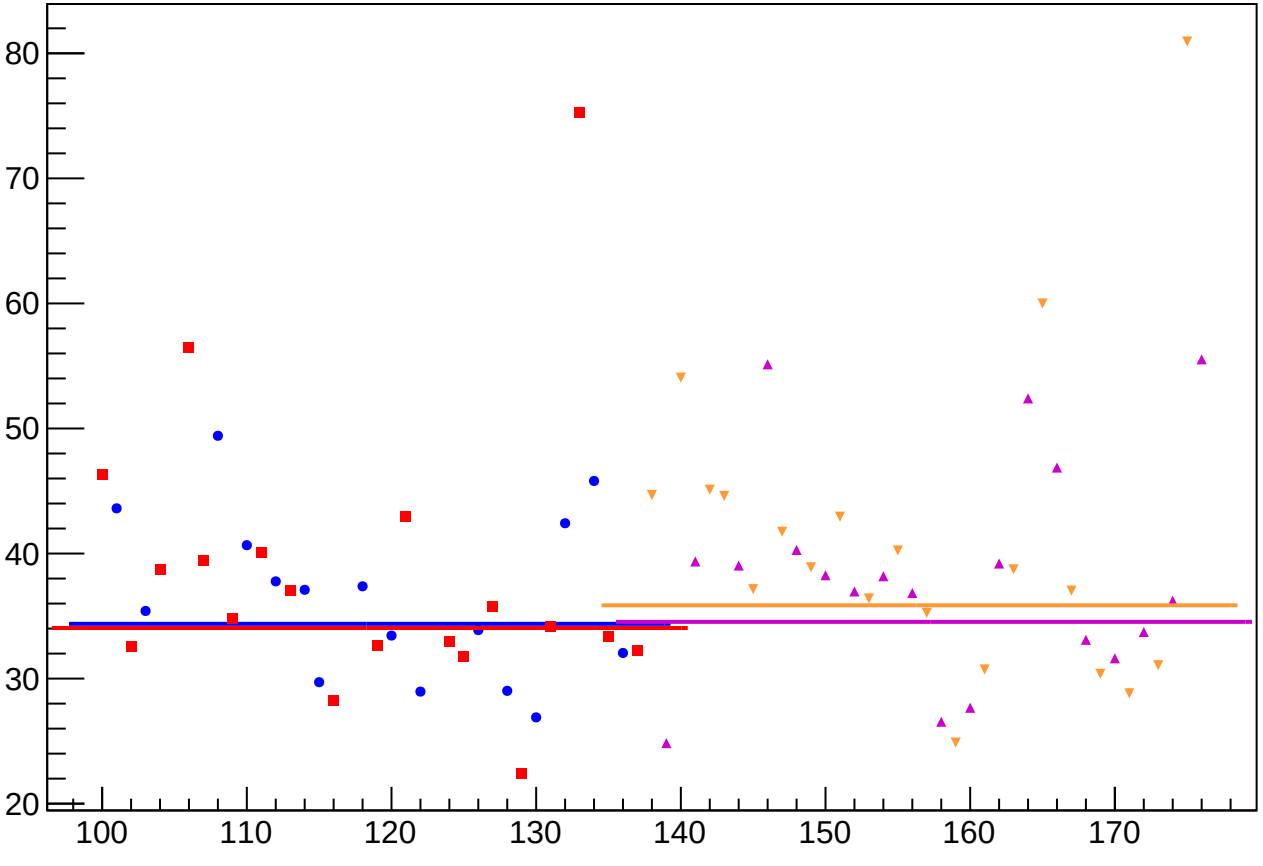
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.003+/-0.005 χ^2/NDF: 87.6/73

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: 35.862+/-0.007 χ^2/NDF:1587650.8/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.537+/-0.007 χ^2/NDF:1204880.7/18

Left: 35.182+/-0.005 χ^2/NDF: 2812315.7/38

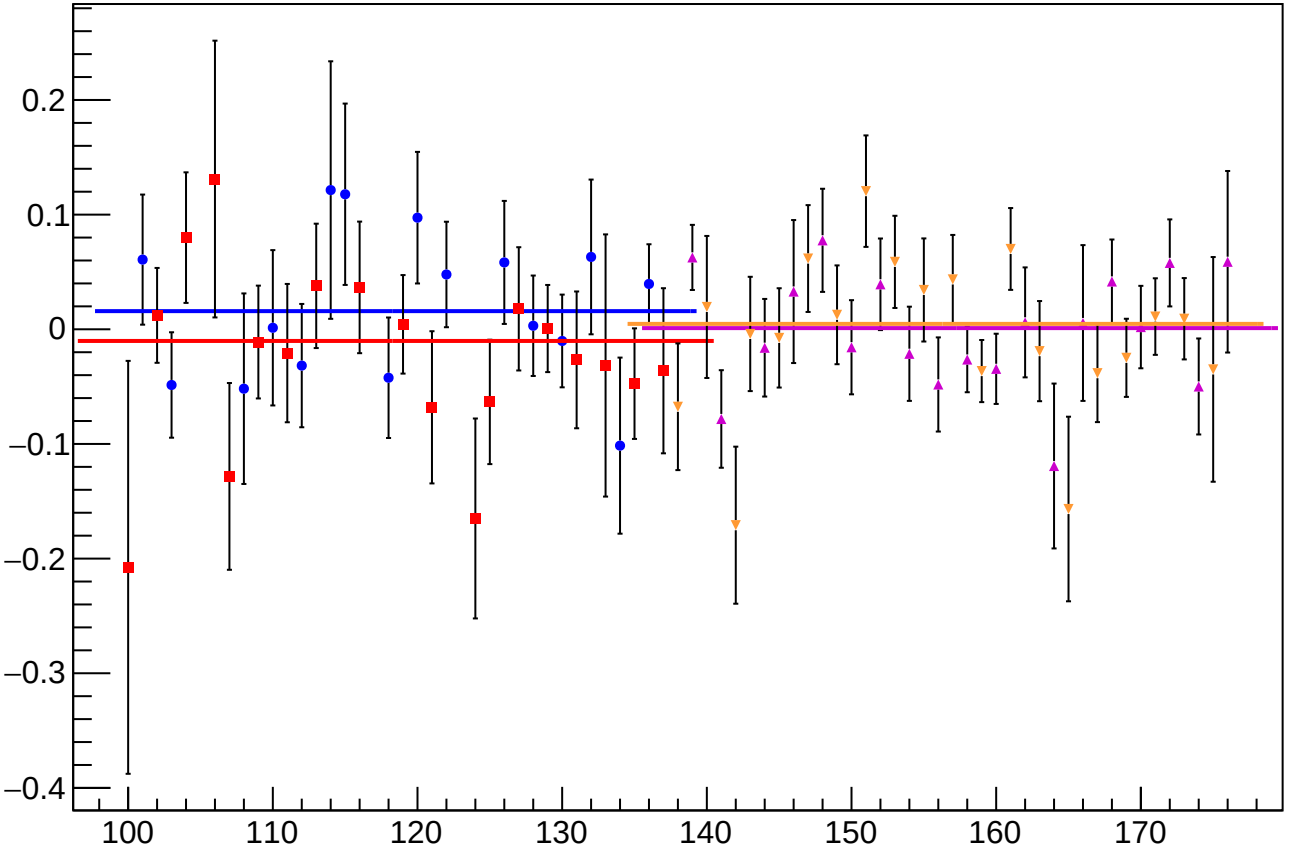
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.486+/-0.005 χ^2/NDF:1573004.2/34

Out: 35.239+/-0.005 χ^2/NDF:2255207.3/38

All: 34.858+/-0.004 χ^2/NDF: 3837800.2/73

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: 0.005+/-0.010 χ^2/NDF:30.9/19

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.003+/-0.007 χ^2/NDF: 55.8/38

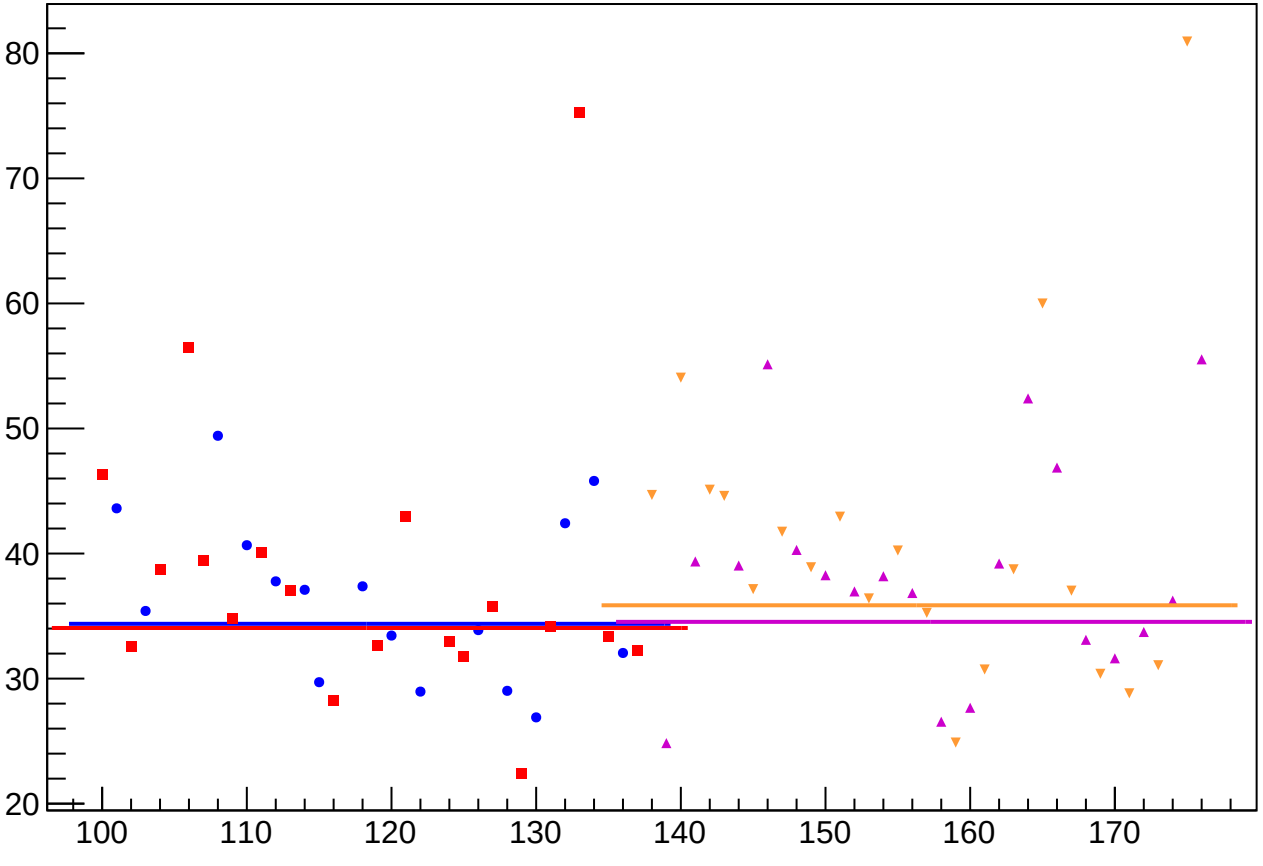
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.000+/-0.008 χ^2/NDF:46.8/38

All: 0.003+/-0.005 χ^2/NDF: 87.6/73

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: 35.862+/-0.007 χ^2/NDF:1587650.8/19

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.537+/-0.007 χ^2/NDF:1204880.7/18

Left: 35.182+/-0.005 χ^2/NDF: 2812315.7/38

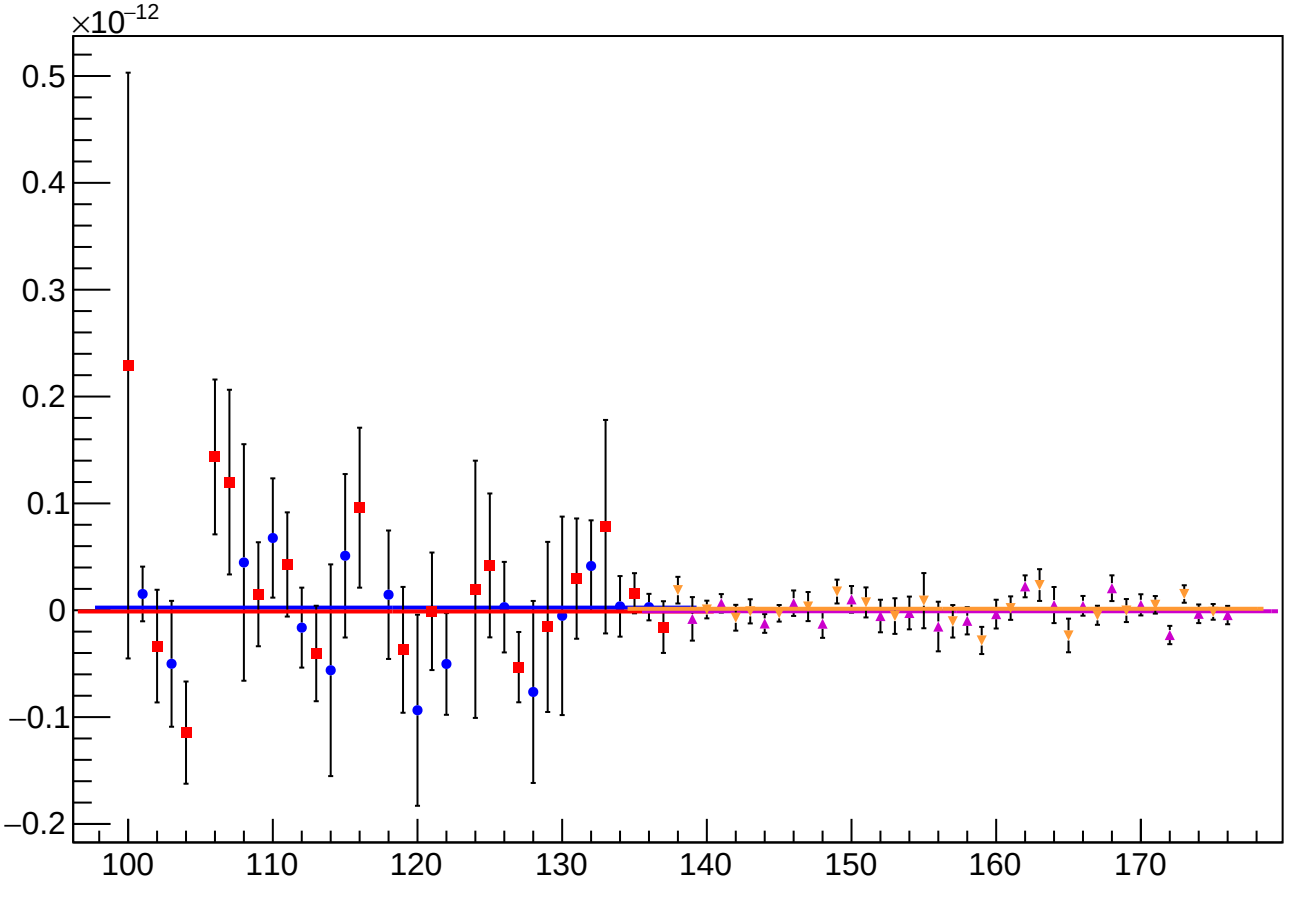
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.486+/-0.005 χ^2/NDF:1573004.2/34

Out: 35.239+/-0.005 χ^2/NDF:2255207.3/38

All: 34.858+/-0.004 χ^2/NDF: 3837800.2/73

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:19.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/18

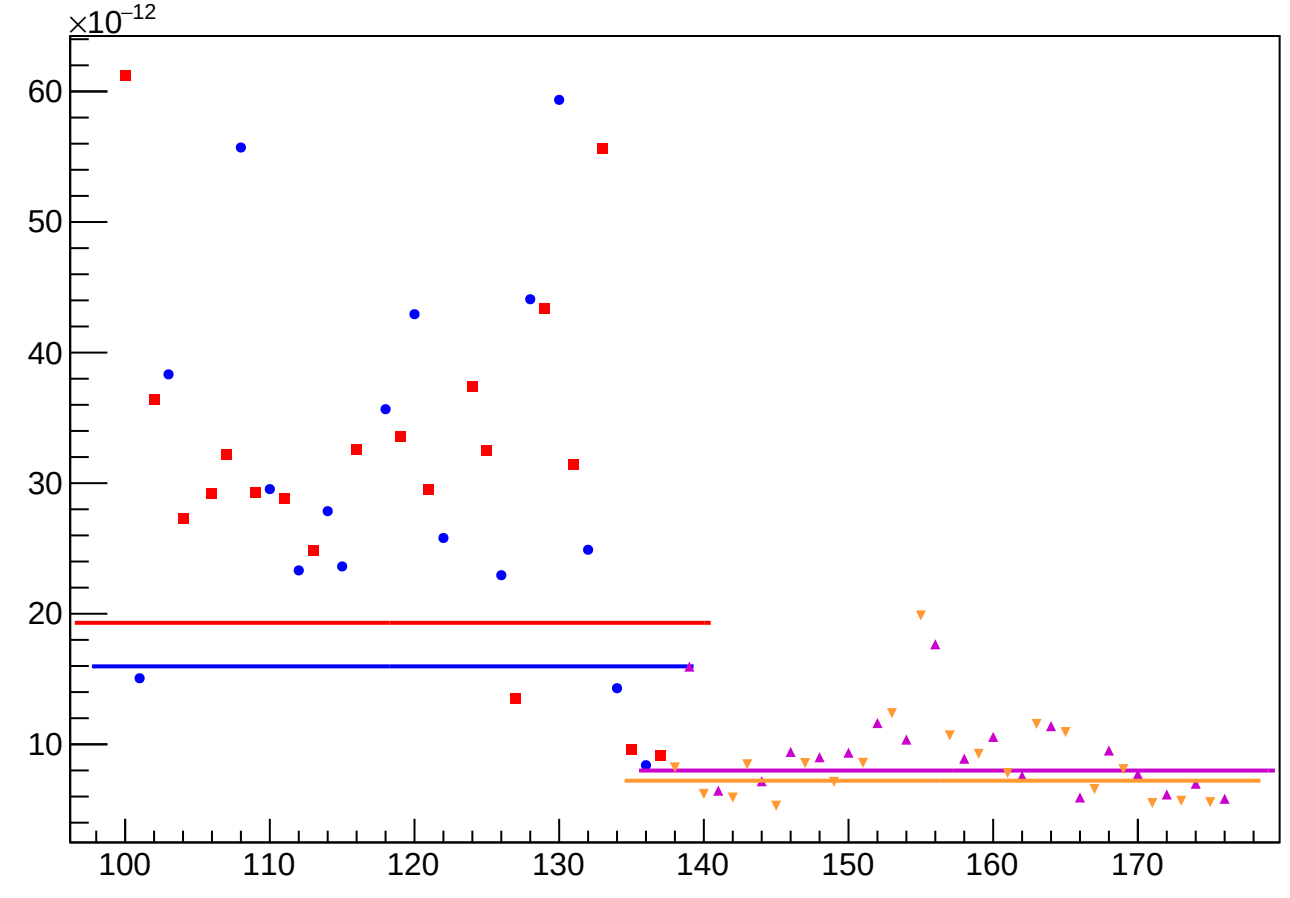
Left: 0.000+/-0.000 χ^2/NDF: 41.9/38

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:29.5/34

Out: 0.000+/-0.000 χ^2/NDF:41.4/38

All: 0.000+/-0.000 χ^2/NDF: 71.2/73



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1649781.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1505580.0/18

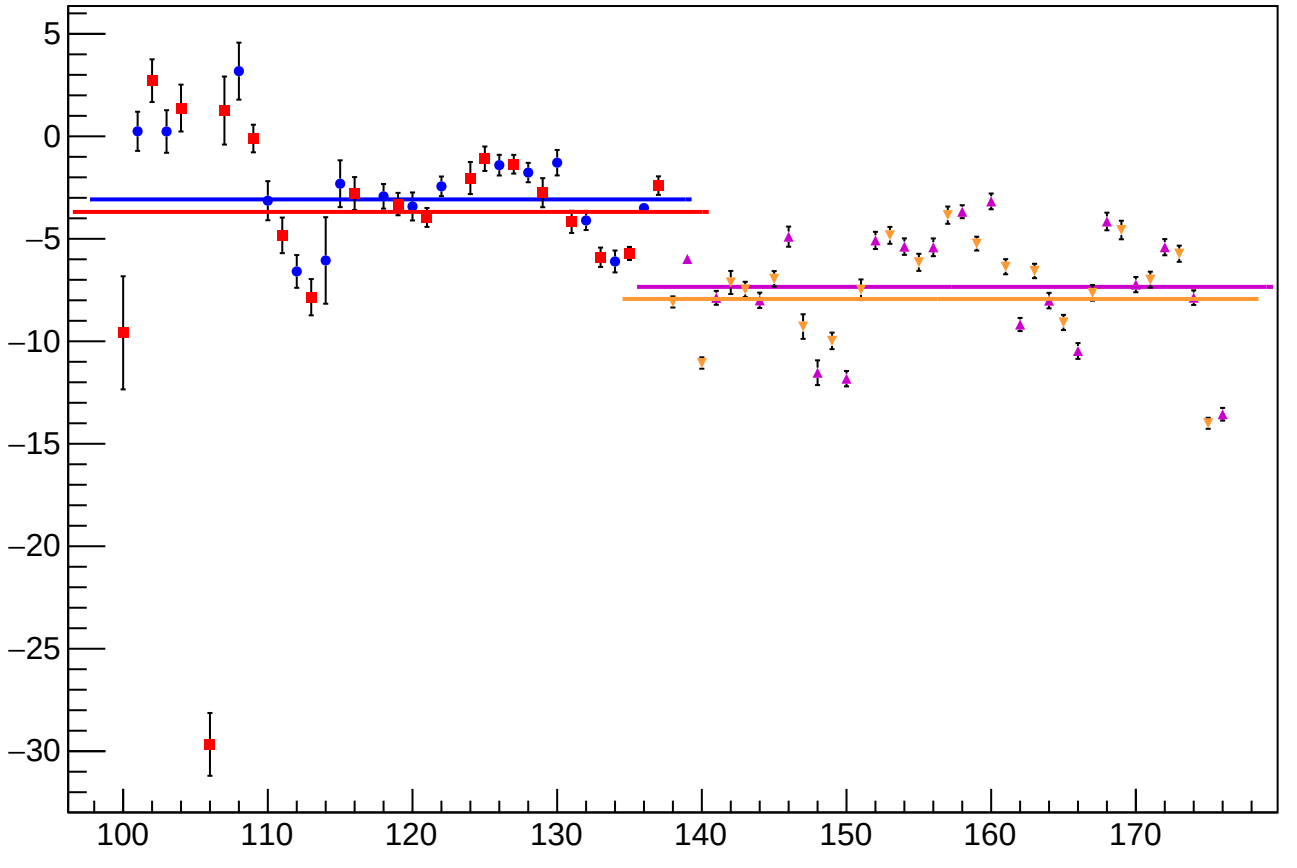
Left: 0.000+/-0.000 χ^2/NDF: 3253311.8/38

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5868661.0/34

Out: 0.000+/-0.000 χ^2/NDF:6751575.6/38

All: 0.000+/-0.000 χ^2/NDF: 12724555.1/73



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.934+/-0.083 χ^2/NDF:1049.4/19

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.345+/-0.084 χ^2/NDF:1161.6/18

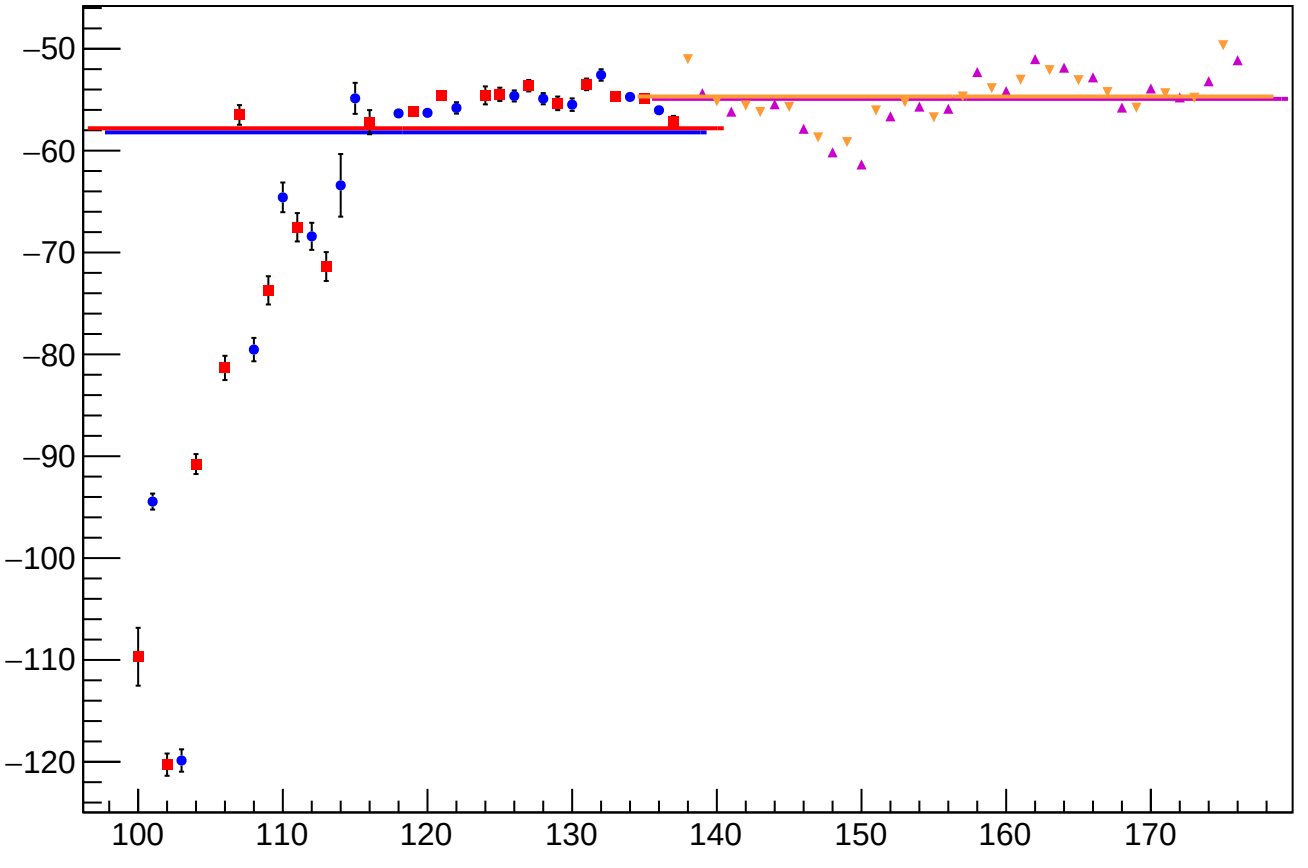
Left: -7.642+/-0.059 χ^2/NDF: 2235.8/38

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -6.157+/-0.071 χ^2/NDF:2014.3/34

Out: -6.827+/-0.072 χ^2/NDF:2262.6/38

All: -6.491+/-0.051 χ^2/NDF: 4320.9/73



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.686+/-0.063 χ^2/NDF:1355.8/19

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.917+/-0.065 χ^2/NDF:1914.2/18

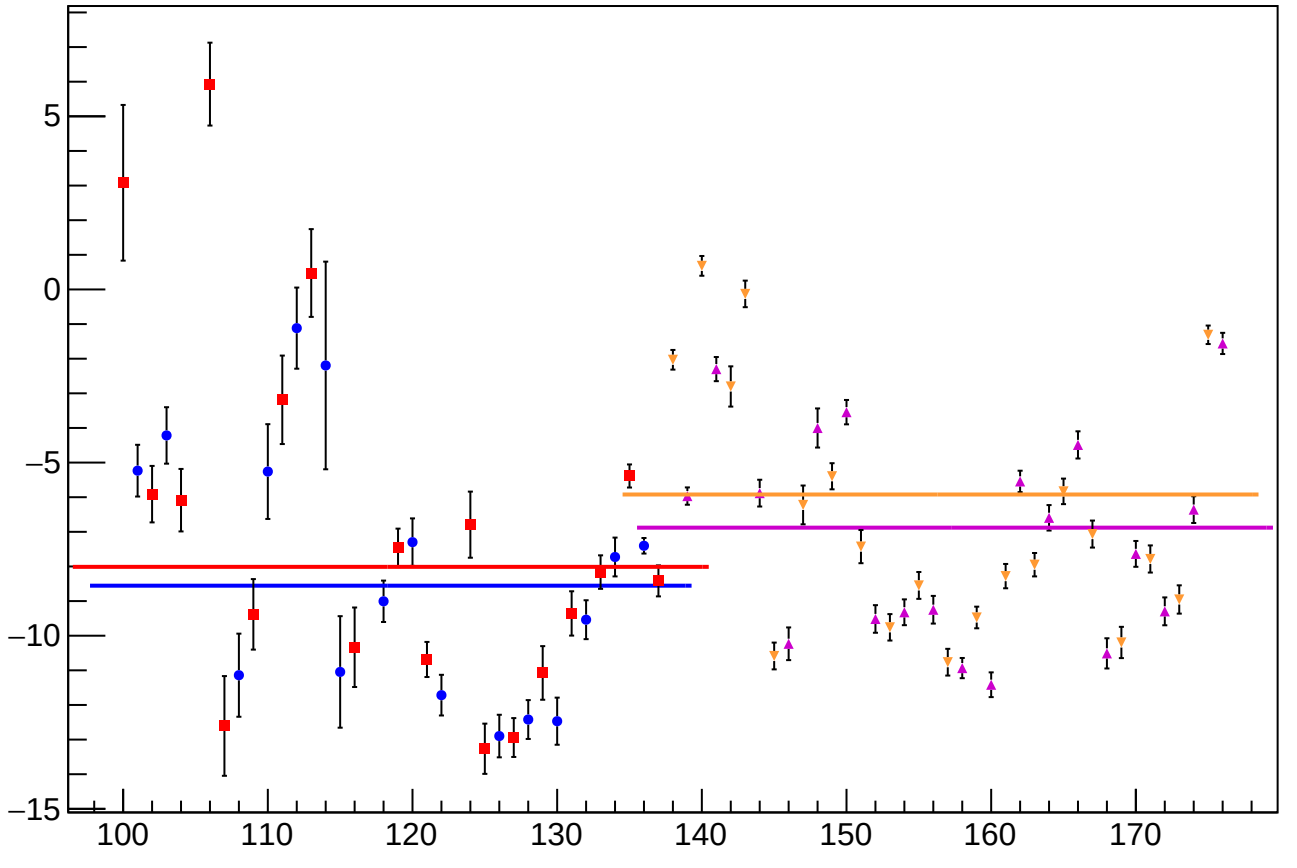
Left: -54.798+/-0.045 χ^2/NDF: 3276.6/38

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.529+/-0.058 χ^2/NDF:8519.6/34

Out: -55.216+/-0.057 χ^2/NDF:7569.2/38

All: -55.369+/-0.041 χ^2/NDF: 16103.5/73



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.922+/-0.082 χ^2/NDF:2125.7/19

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -6.879+/-0.083 χ^2/NDF:1304.2/18

Left: -6.397+/-0.058 χ^2/NDF: 3497.4/38

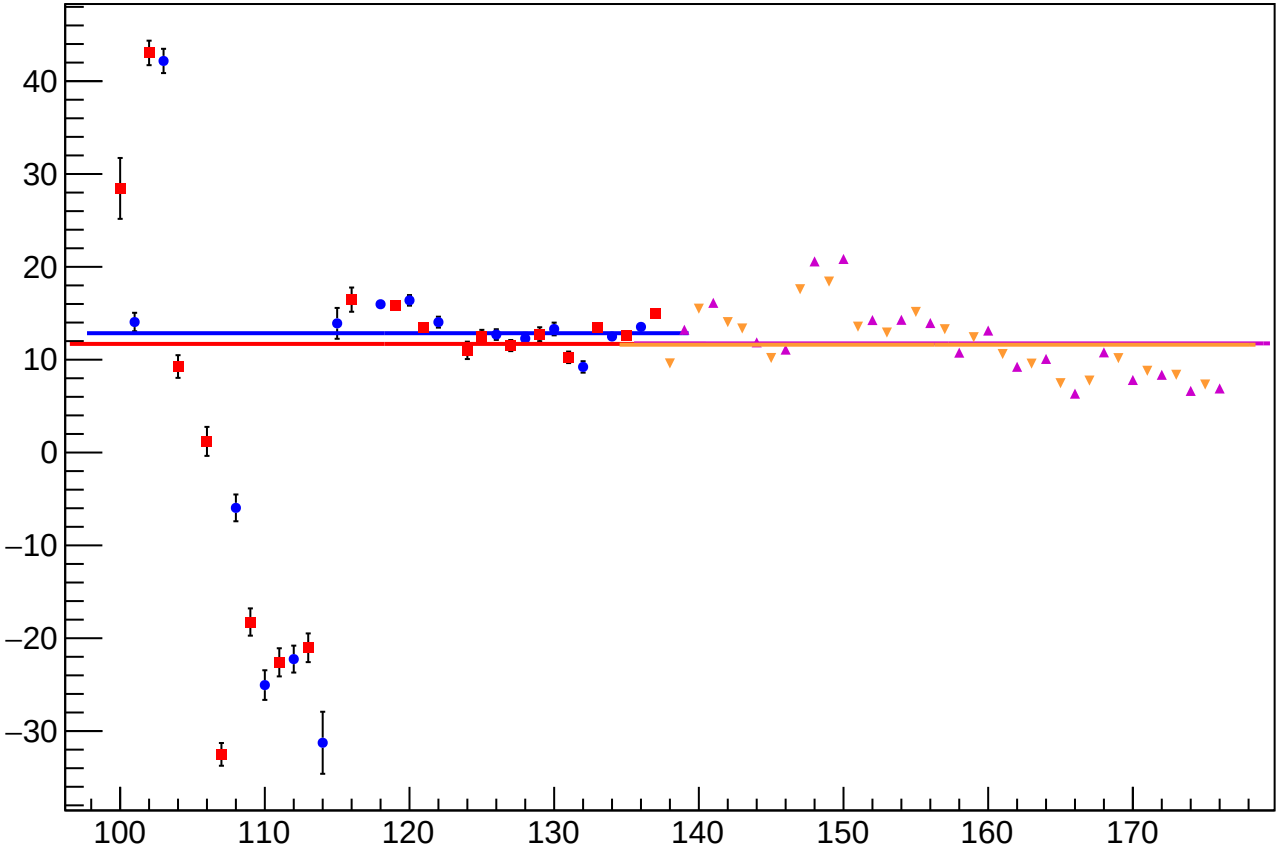
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.292+/-0.072 χ^2/NDF:1706.0/34

Out: -6.389+/-0.072 χ^2/NDF:2759.9/38

All: -6.844+/-0.051 χ^2/NDF: 4544.4/73

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.614+/-0.070 χ^2/NDF:2047.1/19

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.755+/-0.072 χ^2/NDF:3030.0/18

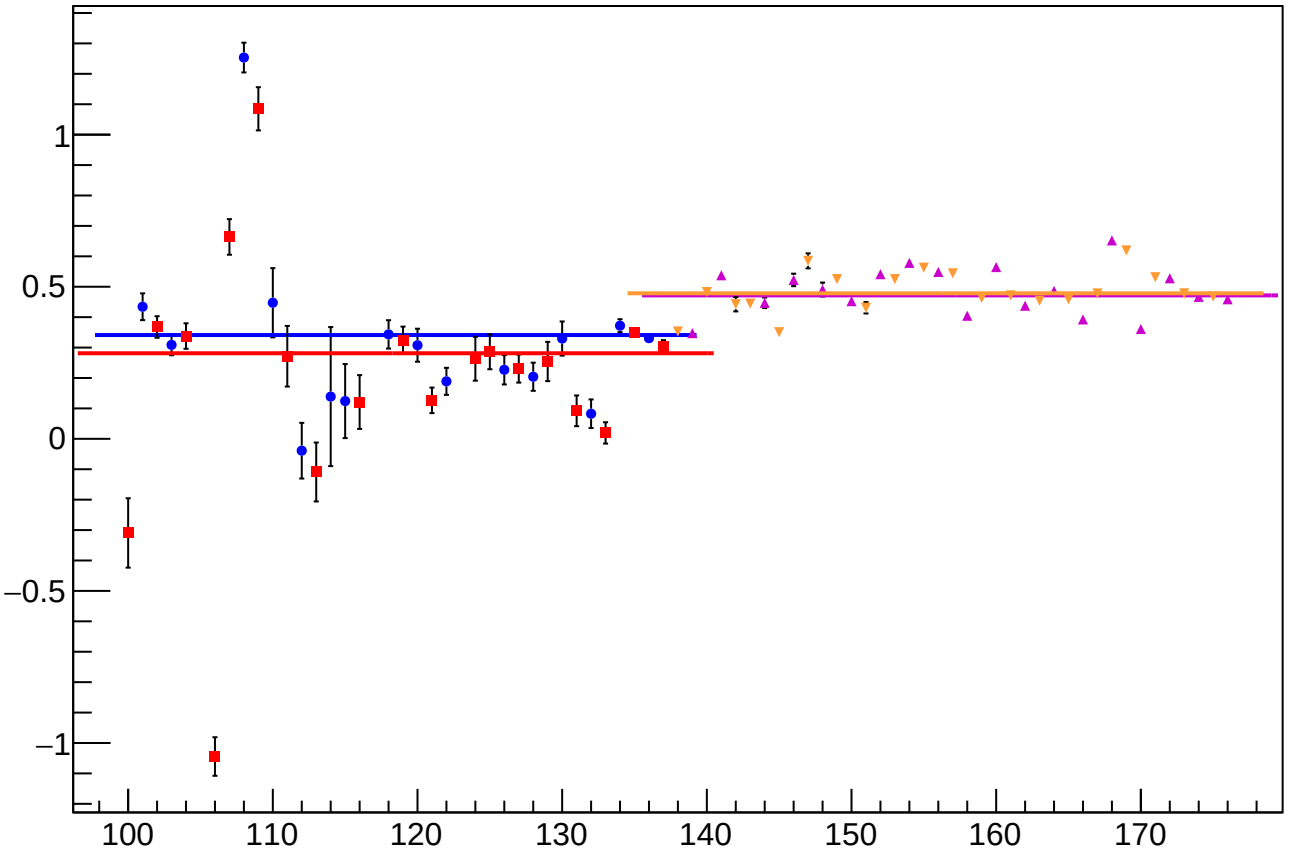
Left: 11.683+/-0.050 χ^2/NDF: 5079.0/38

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.961+/-0.065 χ^2/NDF:5201.8/34

Out: 11.629+/-0.064 χ^2/NDF:5546.1/38

All: 11.792+/-0.046 χ^2/NDF: 10761.1/73



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.478+/-0.003 χ^2/NDF:428.0/19

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.472+/-0.003 χ^2/NDF:728.8/18

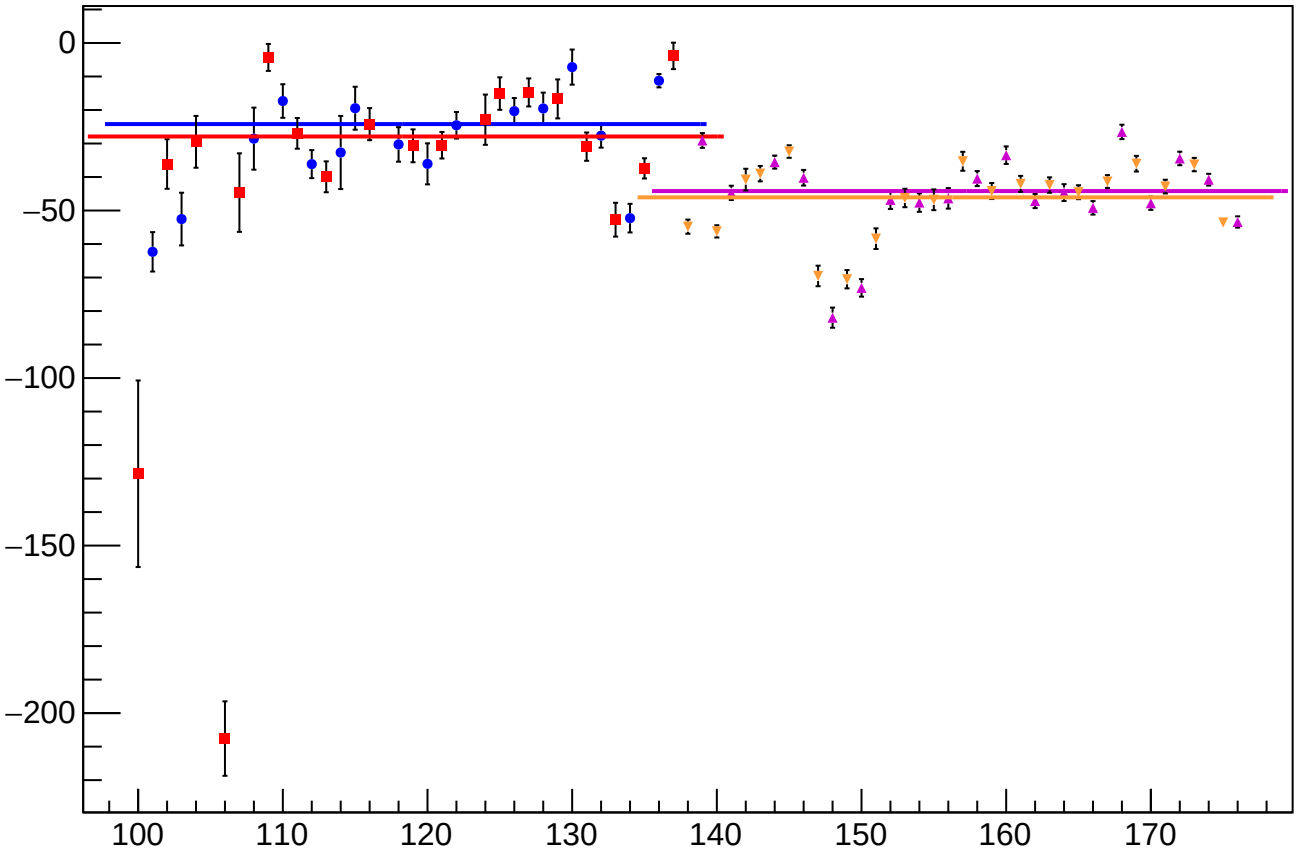
Left: 0.475+/-0.002 χ^2/NDF: 1159.3/38

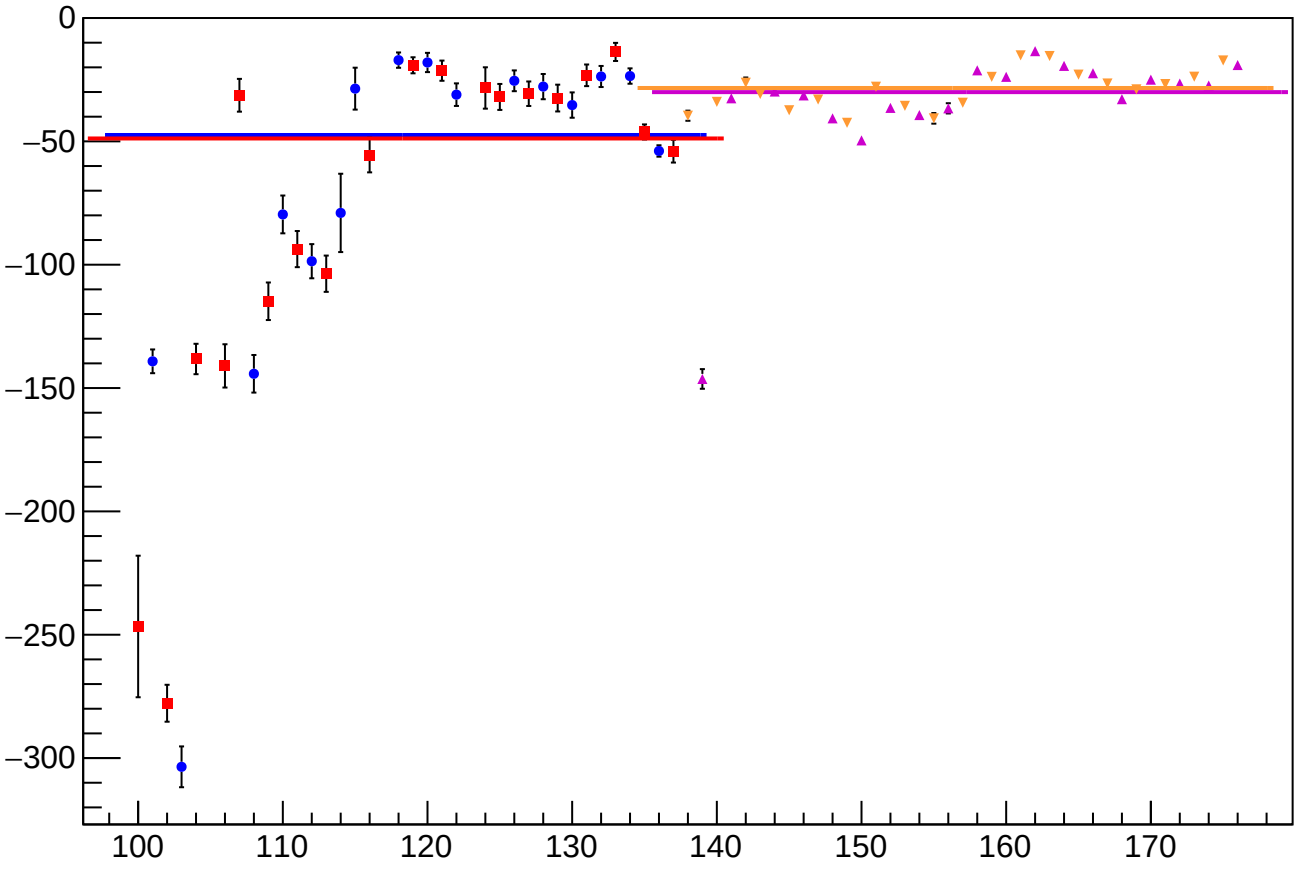
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.455+/-0.003 χ^2/NDF:1401.9/34

Out: 0.455+/-0.003 χ^2/NDF:1683.2/38

All: 0.455+/-0.002 χ^2/NDF: 3085.1/73


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: -46.070+/-0.503 χ²/NDF:364.3/19
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: -44.192+/-0.509 χ²/NDF:507.9/18
Left: -45.141+/-0.358 χ²/NDF: 879.1/38
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -40.600+/-0.461 χ²/NDF:956.3/34
Out: -43.093+/-0.460 χ²/NDF:991.1/38
All: -41.847+/-0.326 χ²/NDF: 1962.1/73



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -28.367+/-0.370 χ^2/NDF:438.5/19

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -30.043+/-0.378 χ^2/NDF:1360.9/18

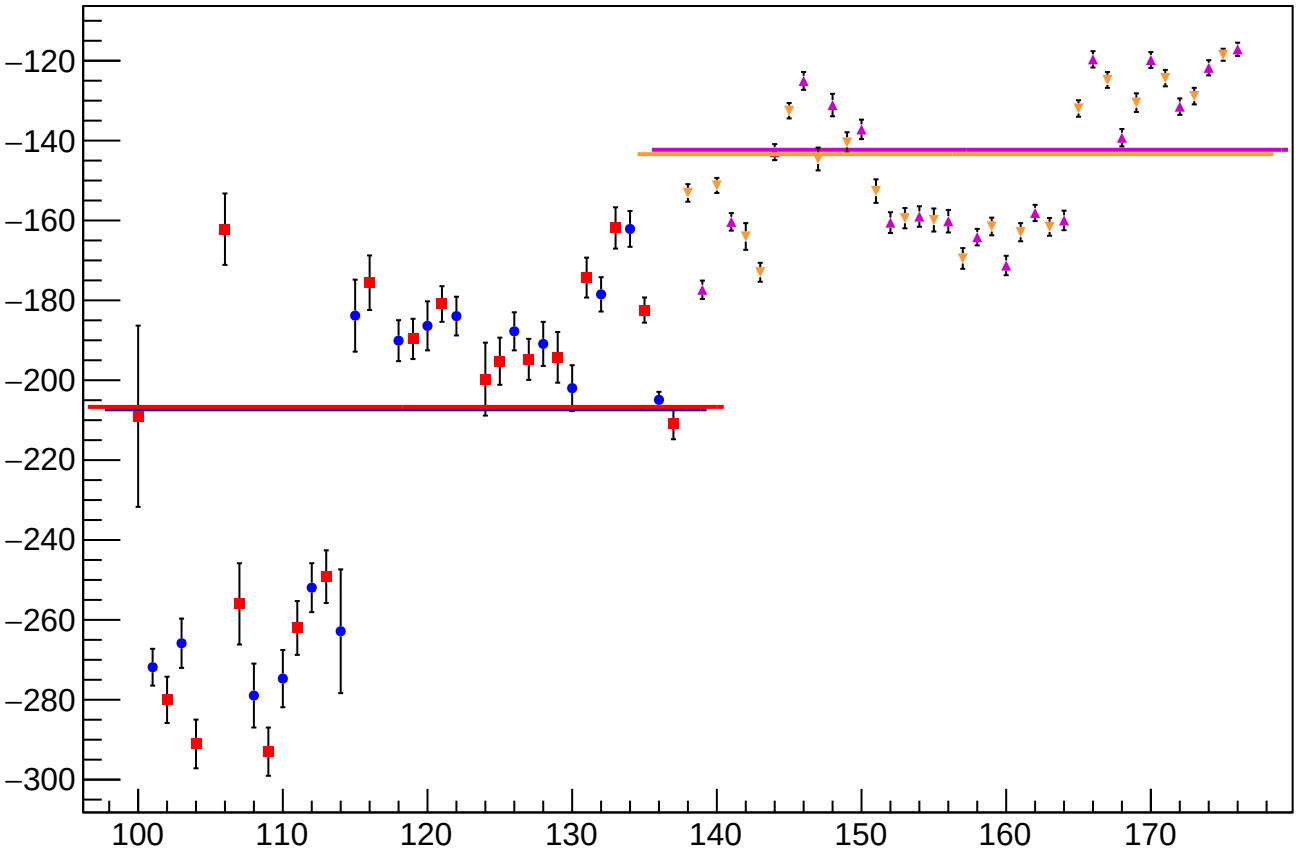
Left: -29.188+/-0.264 χ^2/NDF: 1809.4/38

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -31.873+/-0.357 χ^2/NDF:3457.3/34

Out: -30.192+/-0.353 χ^2/NDF:2485.9/38

All: -31.023+/-0.251 χ^2/NDF: 5954.4/73



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -143.403+/-0.499 χ^2/NDF:1212.3/19

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -142.296+/-0.503 χ^2/NDF:1504.5/18

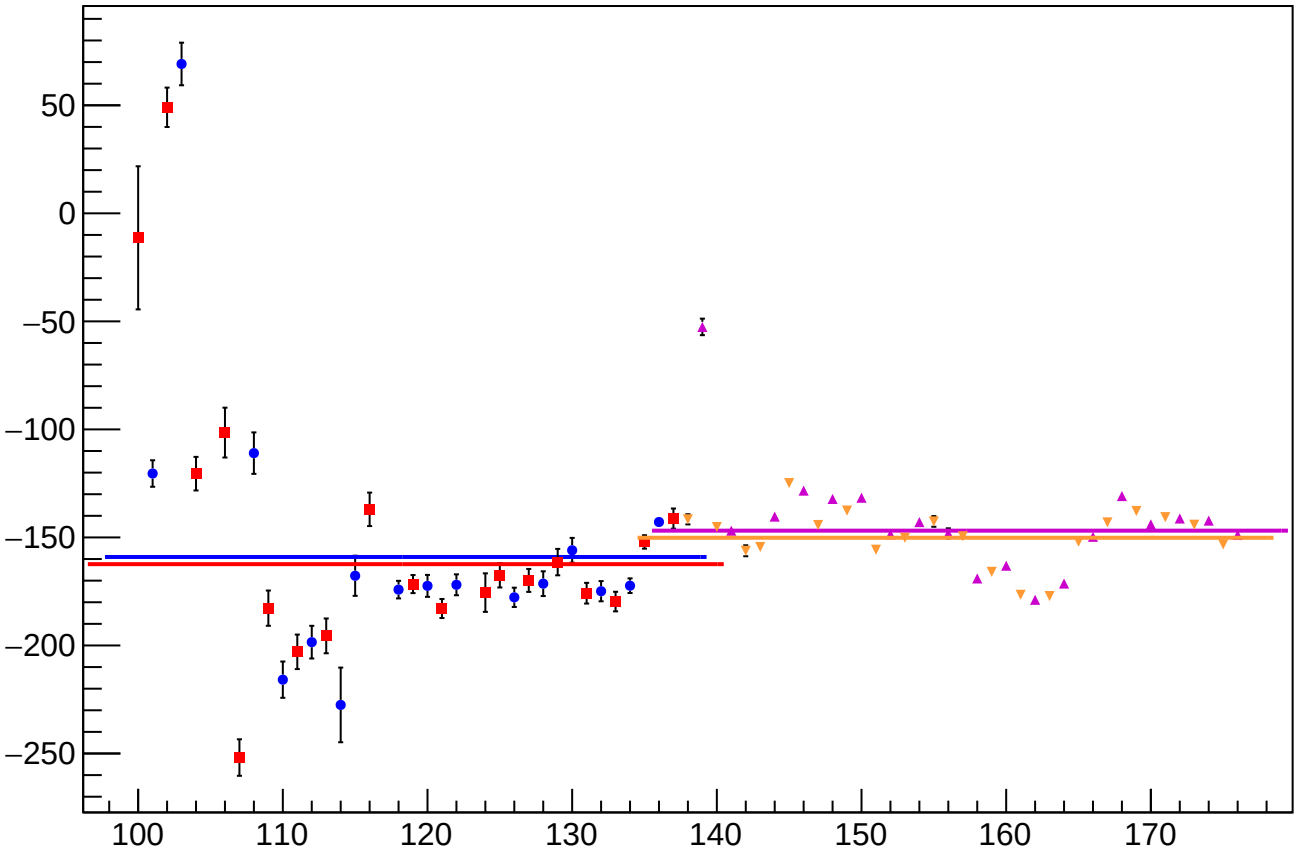
Left: -142.854+/-0.354 χ^2/NDF: 2719.3/38

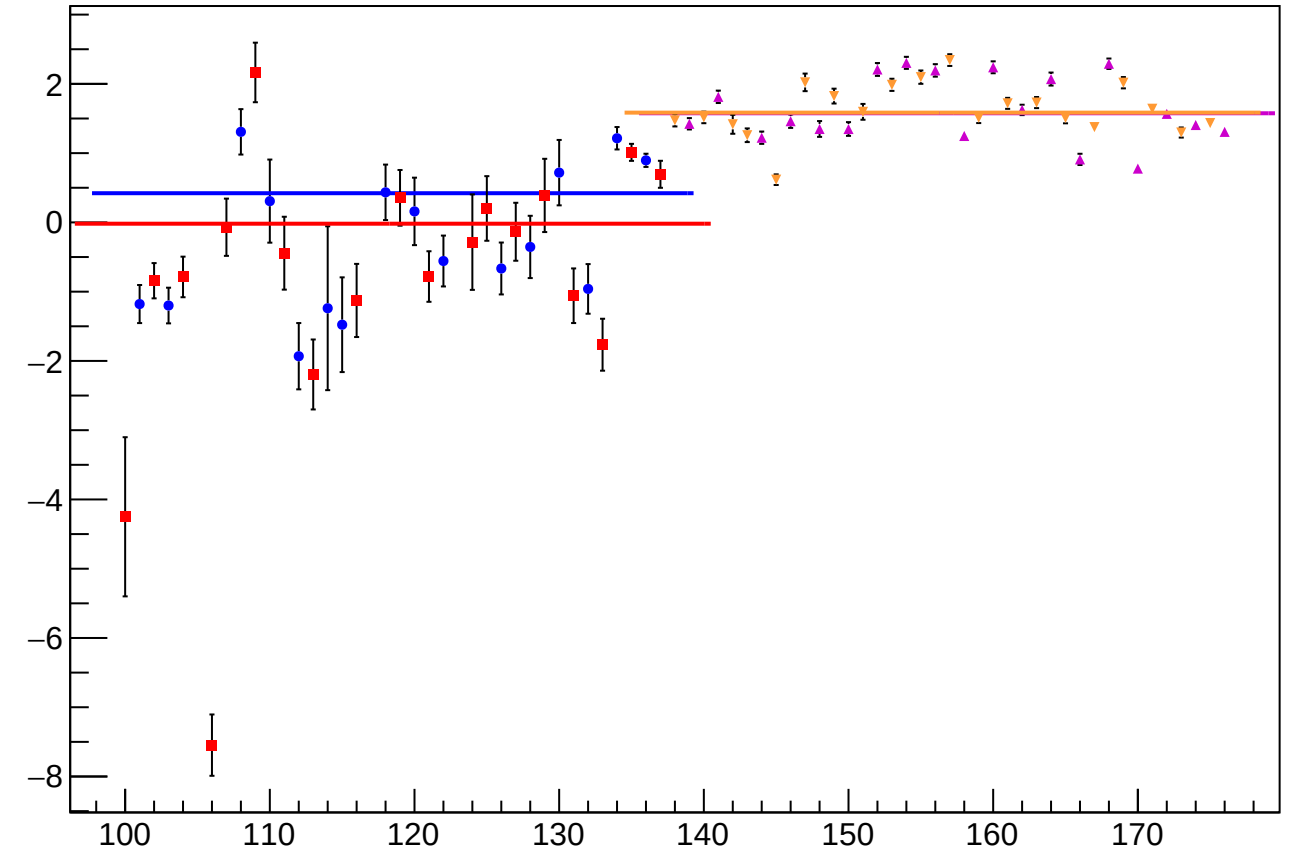
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -152.308+/-0.463 χ^2/NDF:4824.7/34

Out: -151.749+/-0.465 χ^2/NDF:4304.5/38

All: -152.030+/-0.328 χ^2/NDF: 9129.9/73


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: -150.152+/-0.419 χ²/NDF:987.6/19
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -146.865+/-0.426 χ²/NDF:1711.9/18
Left: -148.536+/-0.298 χ²/NDF: 2729.8/38
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -148.177+/-0.402 χ²/NDF:2615.9/34
Out: -151.262+/-0.399 χ²/NDF:1937.6/38
All: -149.731+/-0.283 χ²/NDF: 4583.1/73



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.585+/-0.019 χ^2/NDF:385.2/19

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.576+/-0.019 χ^2/NDF:625.4/18

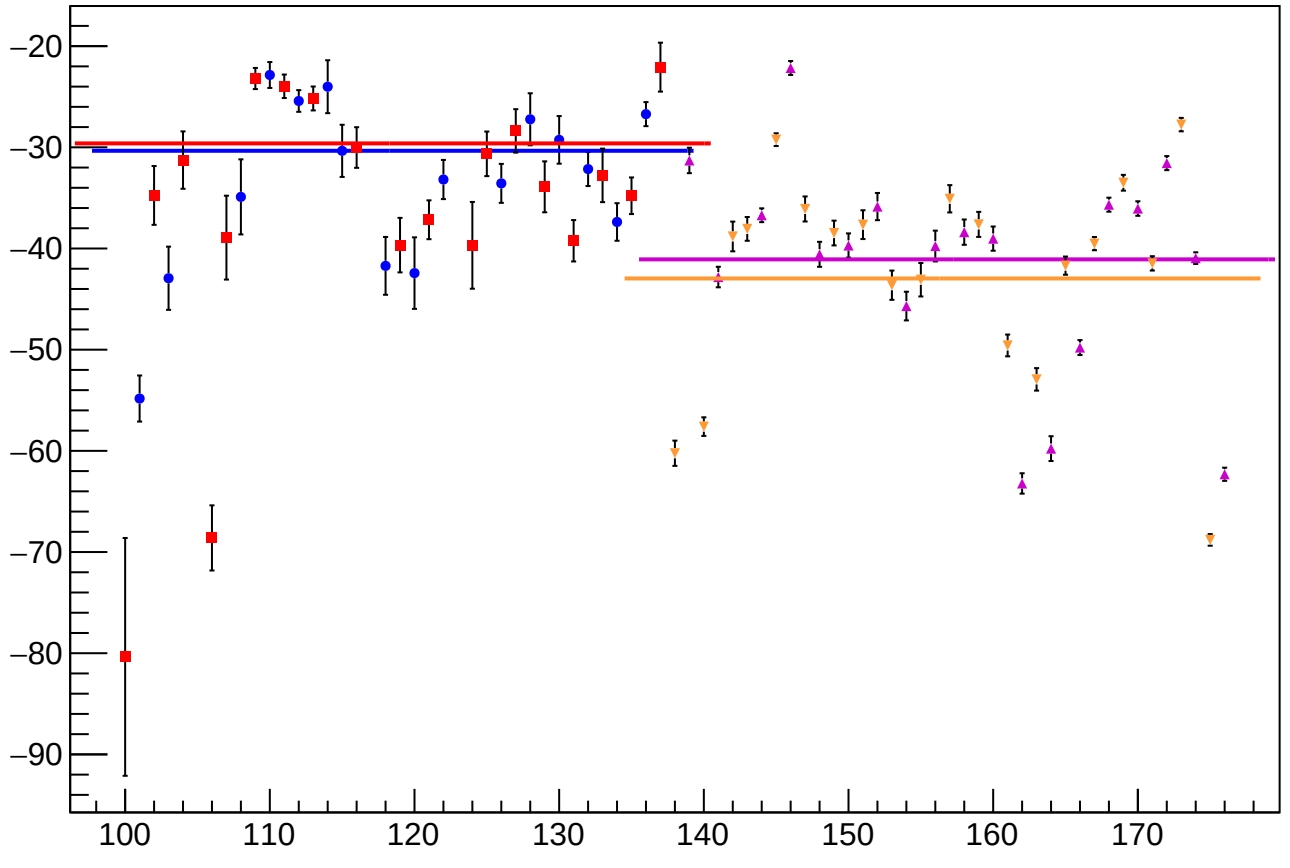
Left: 1.580+/-0.013 χ^2/NDF: 1010.7/38

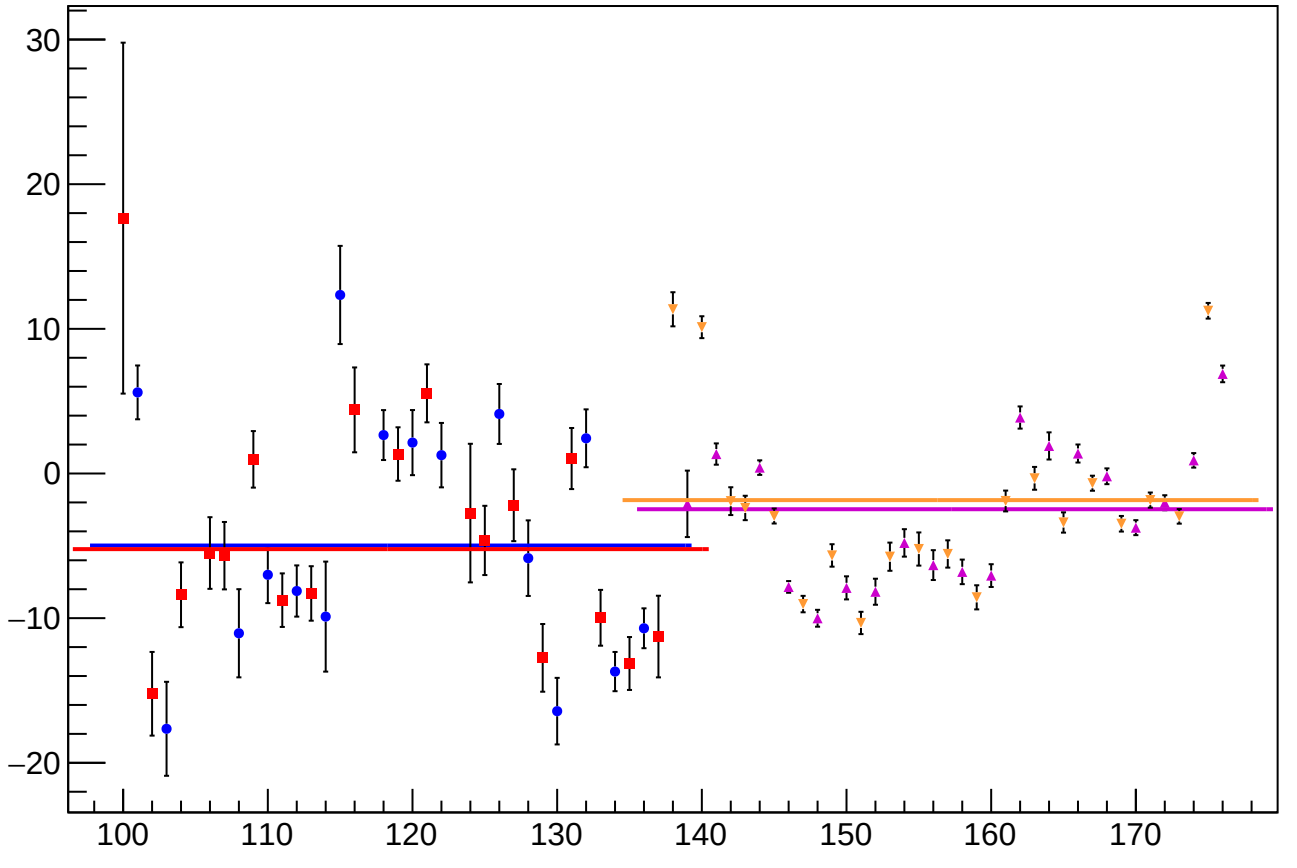
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

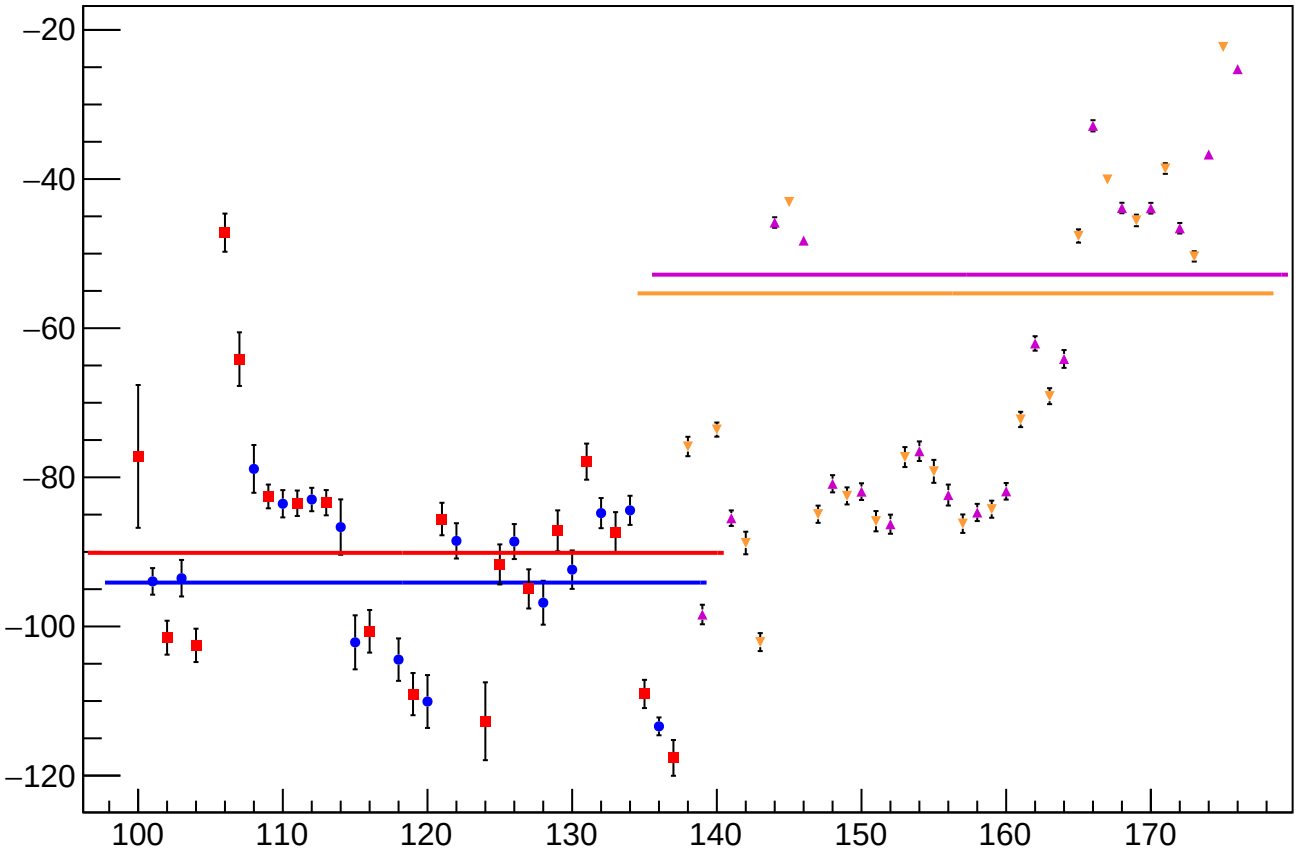
In: 1.487+/-0.018 χ^2/NDF:1115.8/34

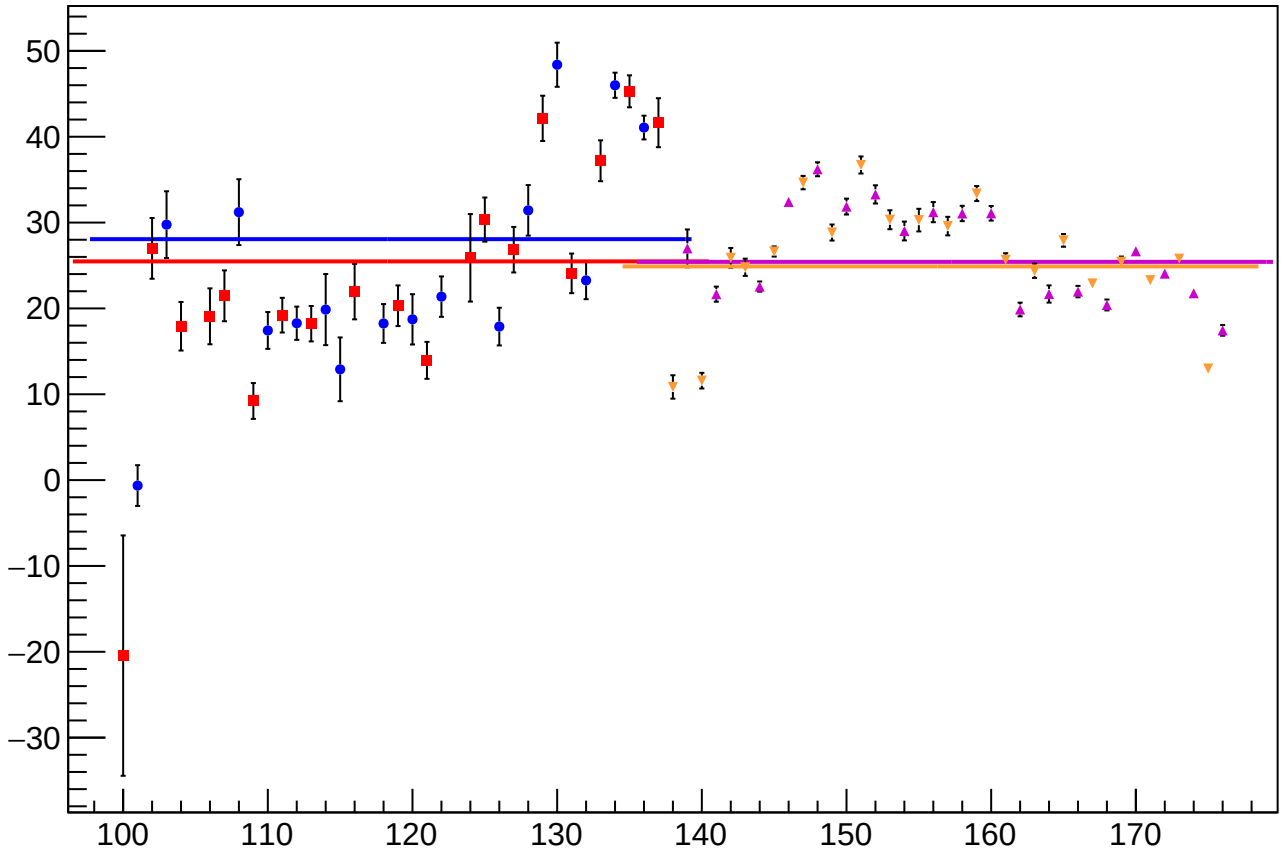
Out: 1.482+/-0.018 χ^2/NDF:1333.6/38

All: 1.485+/-0.013 χ^2/NDF: 2449.5/73


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: -42.962+/-0.206 χ²/NDF:3886.5/19
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -41.074+/-0.200 χ²/NDF:3101.6/18
Left: -41.990+/-0.144 χ²/NDF: 7031.3/38
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -39.414+/-0.184 χ²/NDF:3800.1/34
Out: -40.650+/-0.187 χ²/NDF:4941.8/38
All: -40.021+/-0.131 χ²/NDF: 8764.1/73


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: -1.840+/-0.152 χ²/NDF:1401.7/19
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -2.470+/-0.147 χ²/NDF:1030.9/18
Left: -2.165+/-0.106 χ²/NDF: 2441.4/38
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -2.664+/-0.142 χ²/NDF:1290.6/34
Out: -2.104+/-0.146 χ²/NDF:1576.7/38
All: -2.393+/-0.102 χ²/NDF: 2874.9/73


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -55.331+/-0.206 χ²/NDF:11530.1/19
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -52.820+/-0.200 χ²/NDF:10277.3/18
Left: -54.039+/-0.143 χ²/NDF: 21884.1/38
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -57.839+/-0.187 χ²/NDF:15938.4/34
Out: -59.694+/-0.192 χ²/NDF:15911.7/38
All: -58.742+/-0.134 χ²/NDF: 31897.9/73



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.890+/-0.172 χ^2/NDF:1279.5/19

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 25.423+/-0.167 χ^2/NDF:1005.2/18

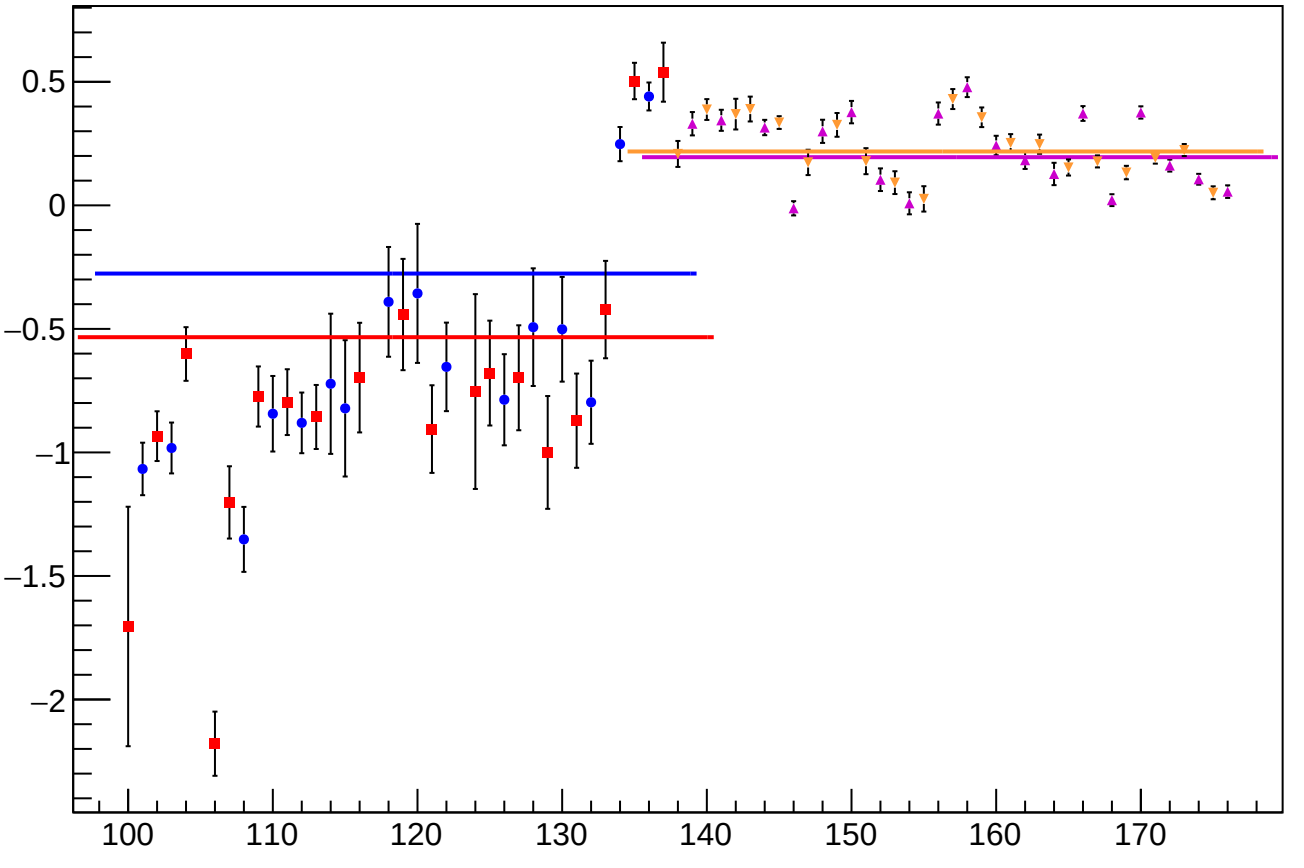
Left: 25.163+/-0.120 χ^2/NDF: 2289.7/38

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 25.634+/-0.161 χ^2/NDF:1608.2/34

Out: 24.935+/-0.165 χ^2/NDF:1635.0/38

All: 25.294+/-0.115 χ^2/NDF: 3252.5/73



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.218+/-0.008 χ^2/NDF:181.7/19

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.195+/-0.007 χ^2/NDF:387.2/18

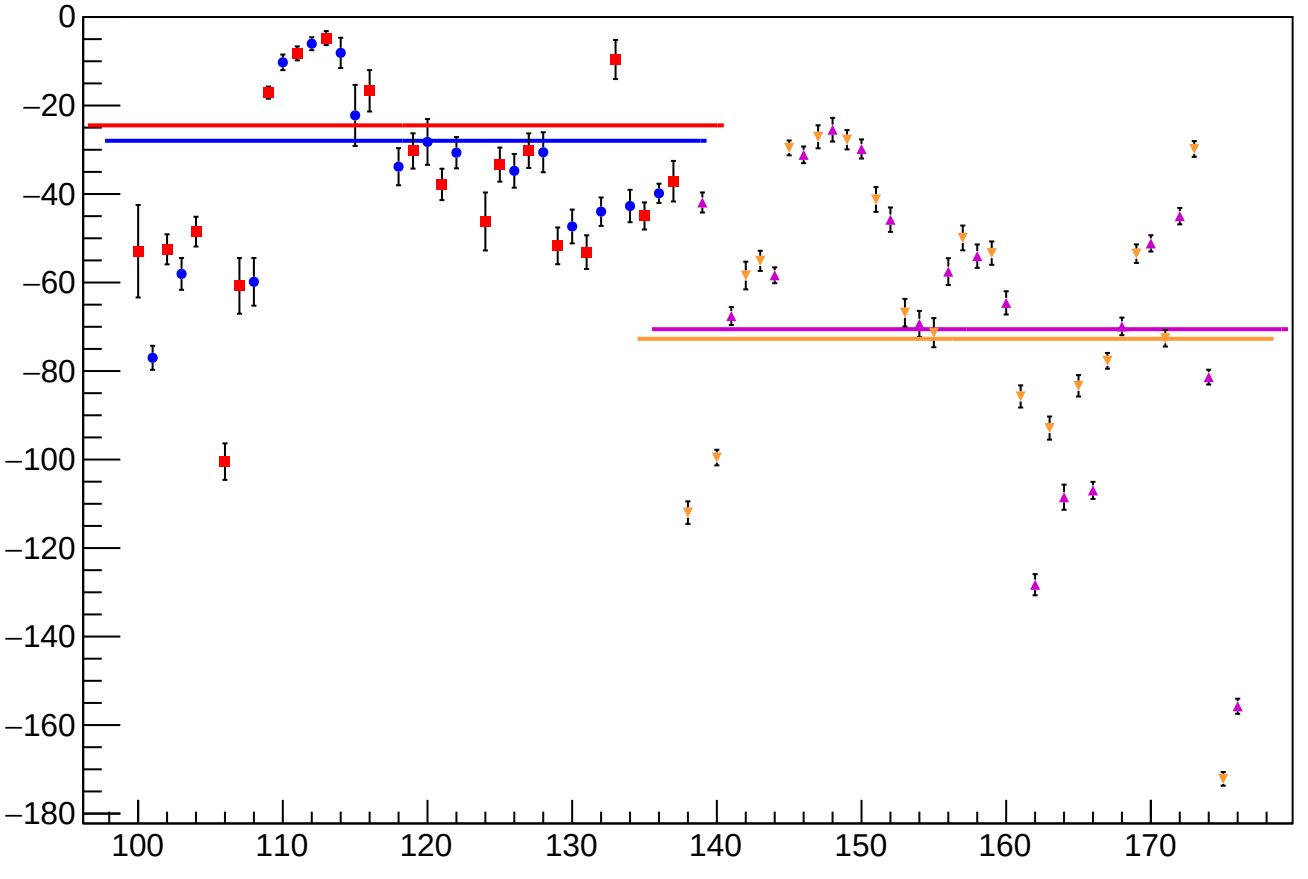
Left: 0.206+/-0.005 χ^2/NDF: 573.4/38

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.169+/-0.007 χ^2/NDF:1065.9/34

Out: 0.178+/-0.008 χ^2/NDF:1187.9/38

All: 0.173+/-0.005 χ^2/NDF: 2254.7/73



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -72.717+/-0.493 χ^2/NDF:7106.6/19

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -70.541+/-0.492 χ^2/NDF:5366.2/18

Left: -71.627+/-0.348 χ^2/NDF: 12482.5/38

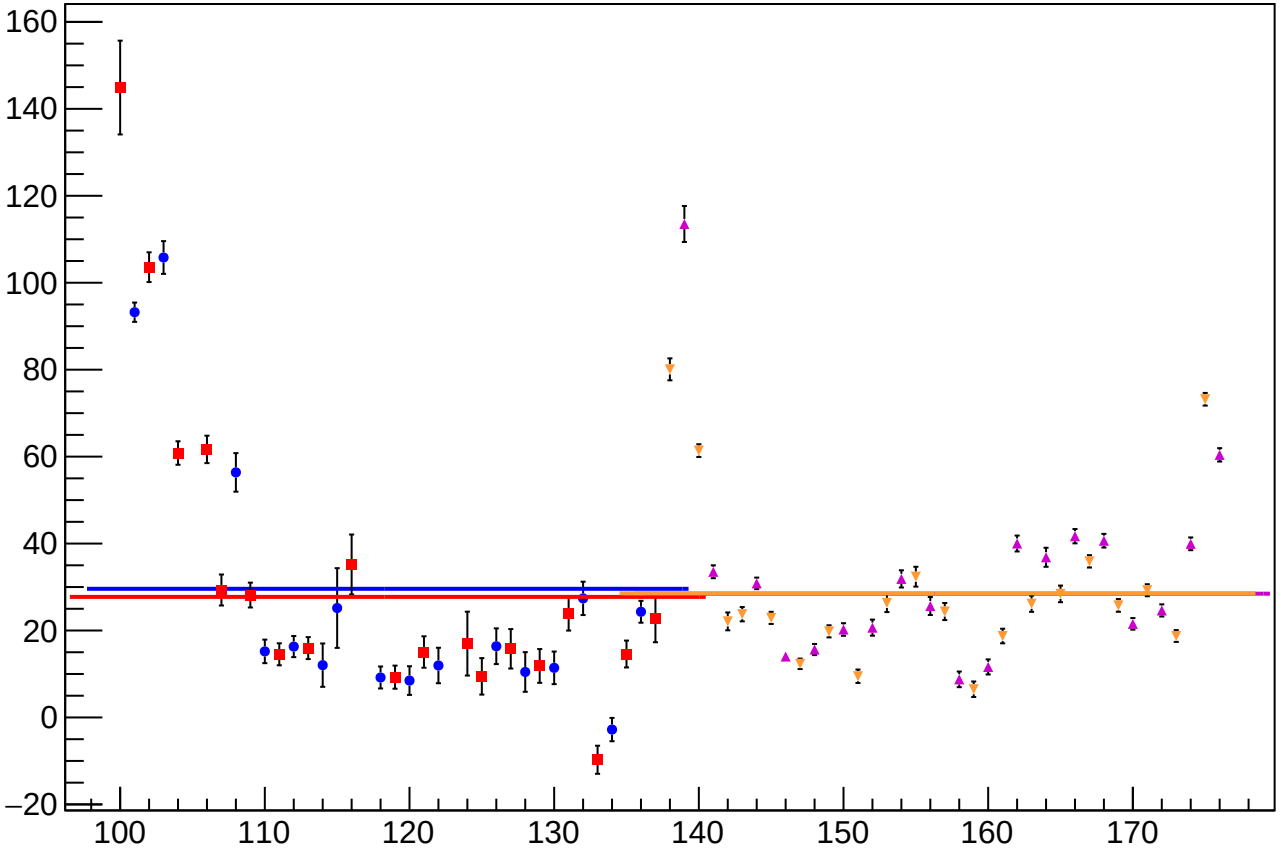
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -57.178+/-0.408 χ^2/NDF:8610.0/34

Out: -55.544+/-0.396 χ^2/NDF:11505.7/38

All: -56.336+/-0.284 χ^2/NDF: 20123.9/73

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.545+/-0.359 χ^2/NDF:2538.6/19

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 28.473+/-0.363 χ^2/NDF:1668.7/18

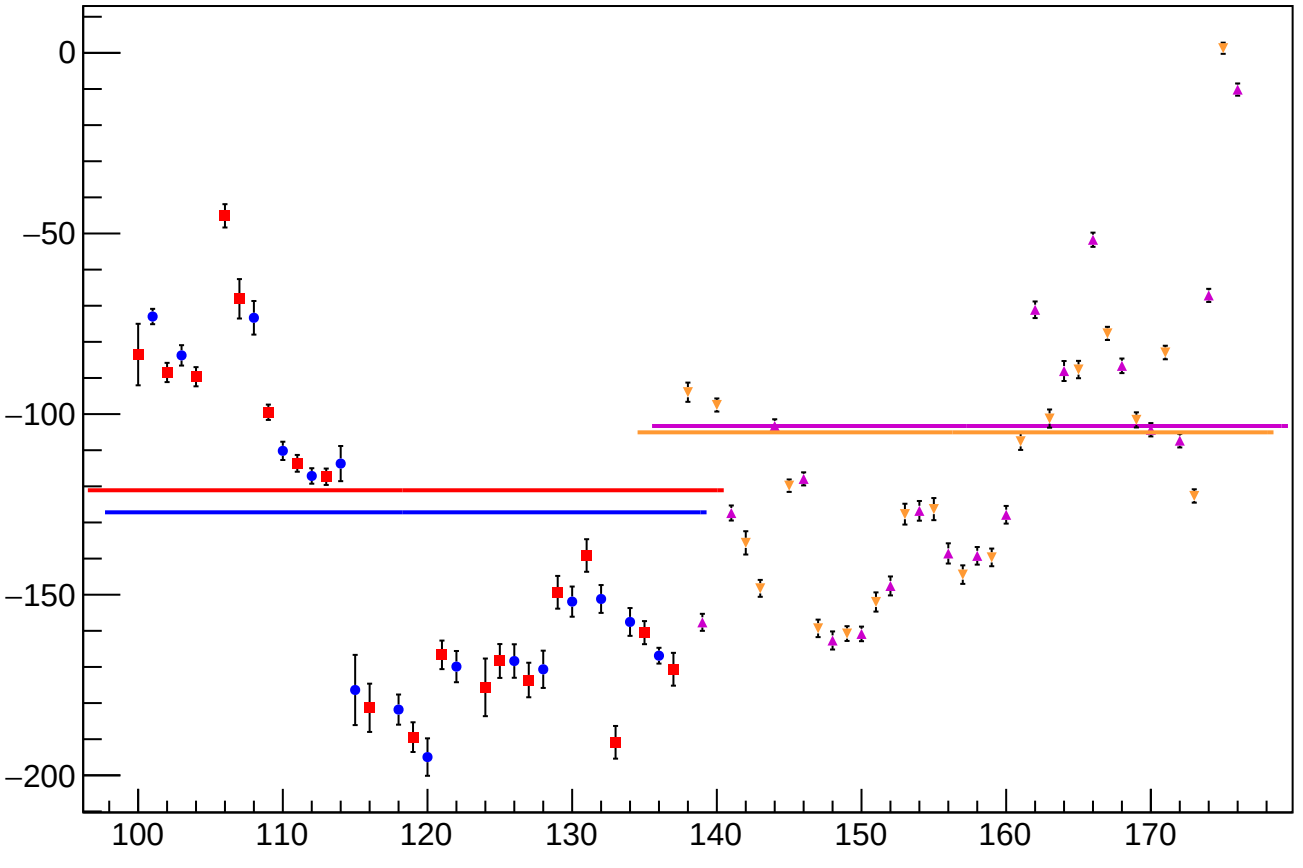
Left: 28.509+/-0.255 χ^2/NDF: 4207.3/38

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 28.661+/-0.331 χ^2/NDF:3336.0/34

Out: 28.408+/-0.327 χ^2/NDF:3724.5/38

All: 28.533+/-0.233 χ^2/NDF: 7060.8/73



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -105.050+/-0.489 χ^2/NDF:7895.0/19

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -103.294+/-0.488 χ^2/NDF:7359.8/18

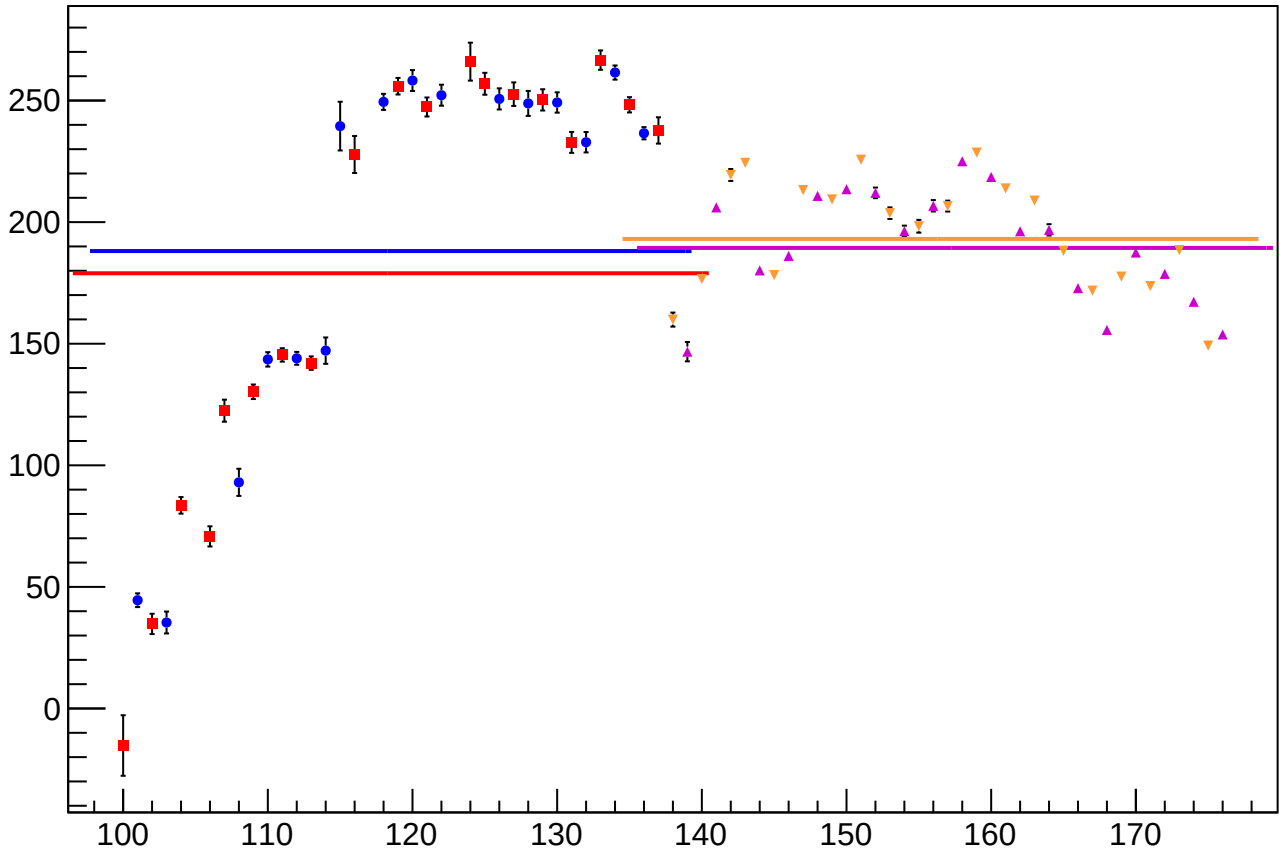
Left: -104.170+/-0.345 χ^2/NDF: 15261.2/38

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -109.434+/-0.420 χ^2/NDF:10154.8/34

Out: -109.426+/-0.417 χ^2/NDF:10586.1/38

All: -109.430+/-0.296 χ^2/NDF: 20740.9/73



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 193.089+/-0.409 χ^2/NDF:3091.3/19

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 189.396+/-0.412 χ^2/NDF:2537.3/18

Left: 191.256+/-0.290 χ^2/NDF: 5669.0/38

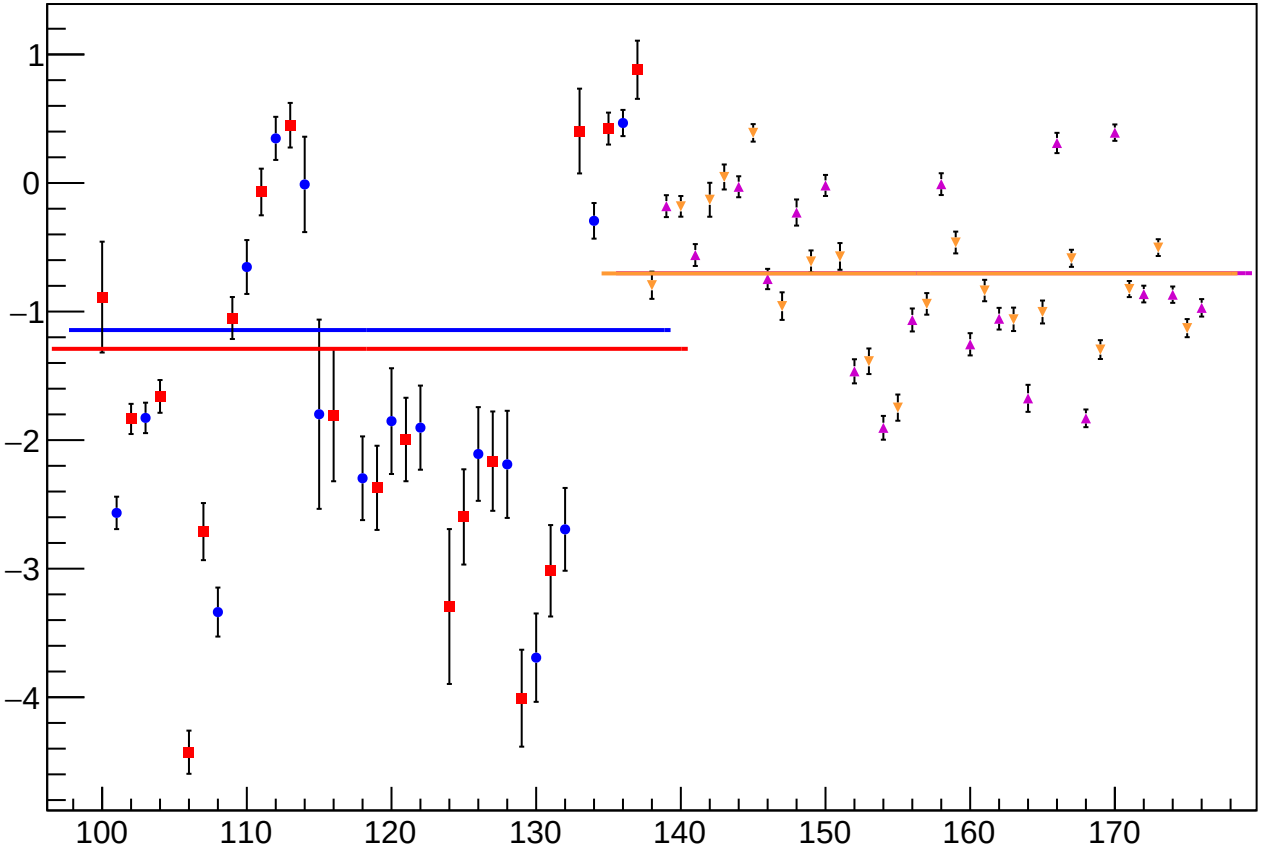
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 189.180+/-0.376 χ^2/NDF:9657.6/34

Out: 190.708+/-0.373 χ^2/NDF:9961.0/38

All: 189.950+/-0.265 χ^2/NDF: 19626.9/73

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.703+/-0.019 χ^2/NDF:702.6/19

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.702+/-0.018 χ^2/NDF:1419.6/18

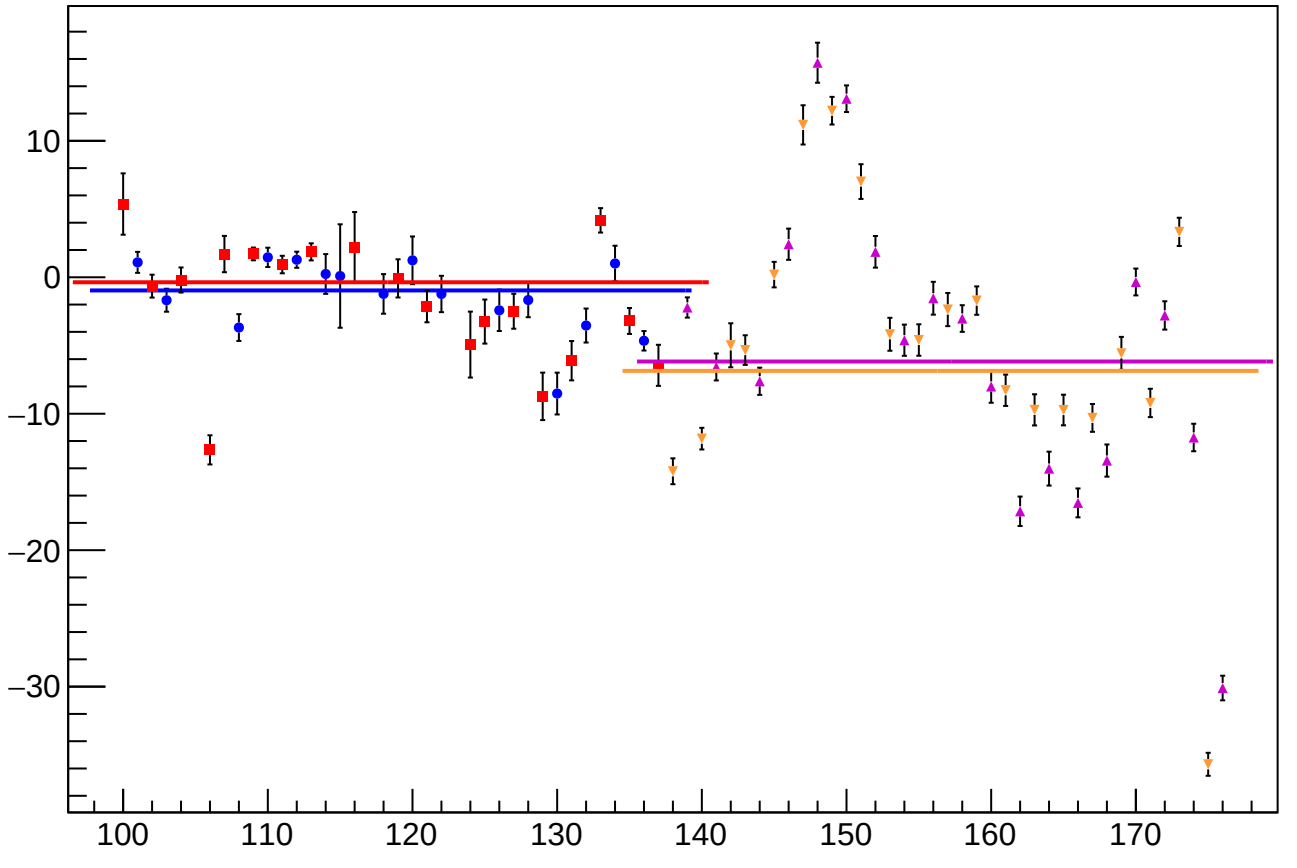
Left: -0.702+/-0.013 χ^2/NDF: 2122.2/38

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.757+/-0.017 χ^2/NDF:2281.2/34

Out: -0.781+/-0.017 χ^2/NDF:1833.4/38

All: -0.769+/-0.012 χ^2/NDF: 4115.5/73



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.860+/-0.240 χ^2/NDF:2134.3/19

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -6.173+/-0.240 χ^2/NDF:1831.6/18

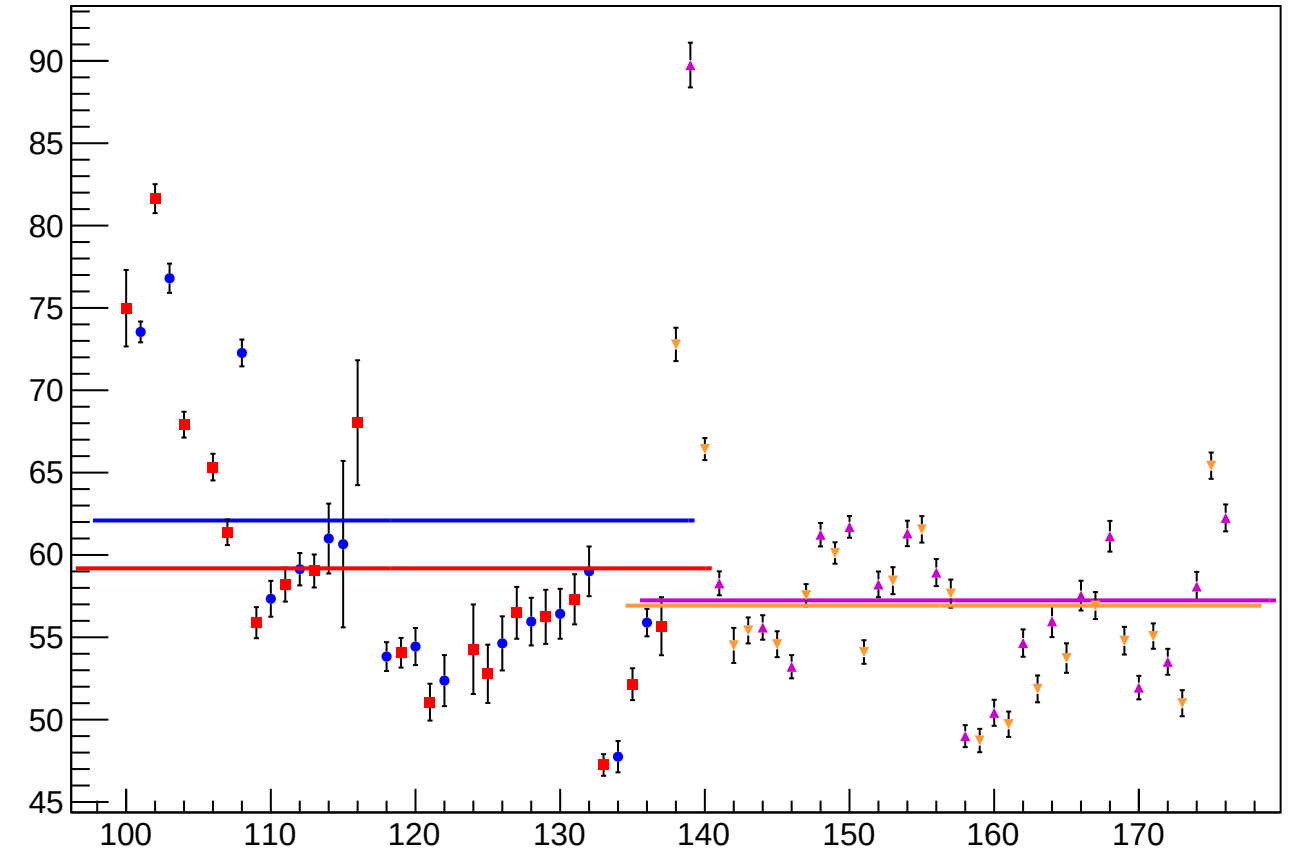
Left: -6.517+/-0.170 χ^2/NDF: 3970.0/38

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -3.709+/-0.174 χ^2/NDF:2157.8/34

Out: -3.390+/-0.164 χ^2/NDF:2807.4/38

All: -3.540+/-0.119 χ^2/NDF: 4967.0/73



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.923+/-0.176 χ^2/NDF:995.4/19

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.242+/-0.181 χ^2/NDF:1093.5/18

Left: 57.078+/-0.126 χ^2/NDF: 2090.5/38

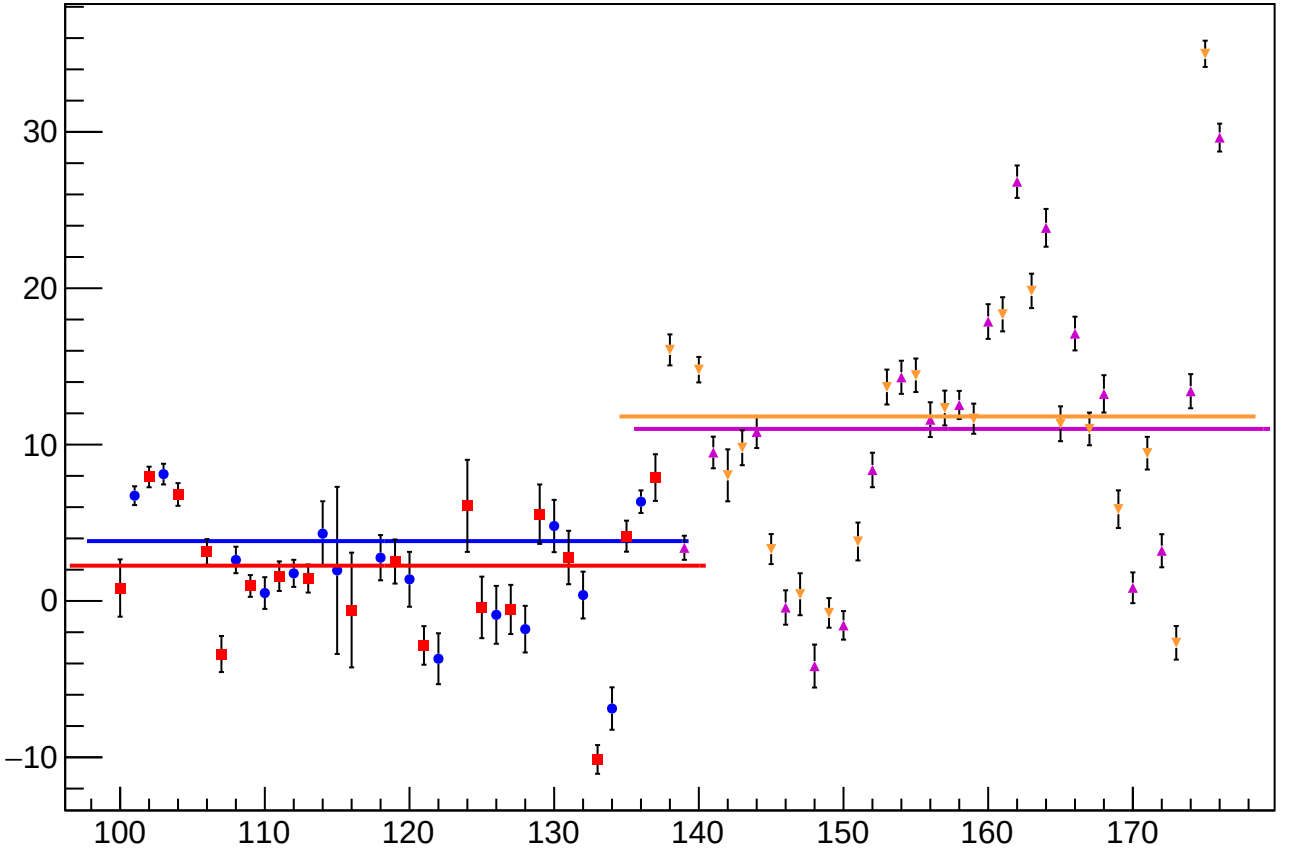
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.787+/-0.150 χ^2/NDF:2622.6/34

Out: 57.697+/-0.143 χ^2/NDF:2454.3/38

All: 58.215+/-0.103 χ^2/NDF: 5104.7/73

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.799+/-0.236 χ^2/NDF:1480.9/19

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 11.004+/-0.236 χ^2/NDF:1559.0/18

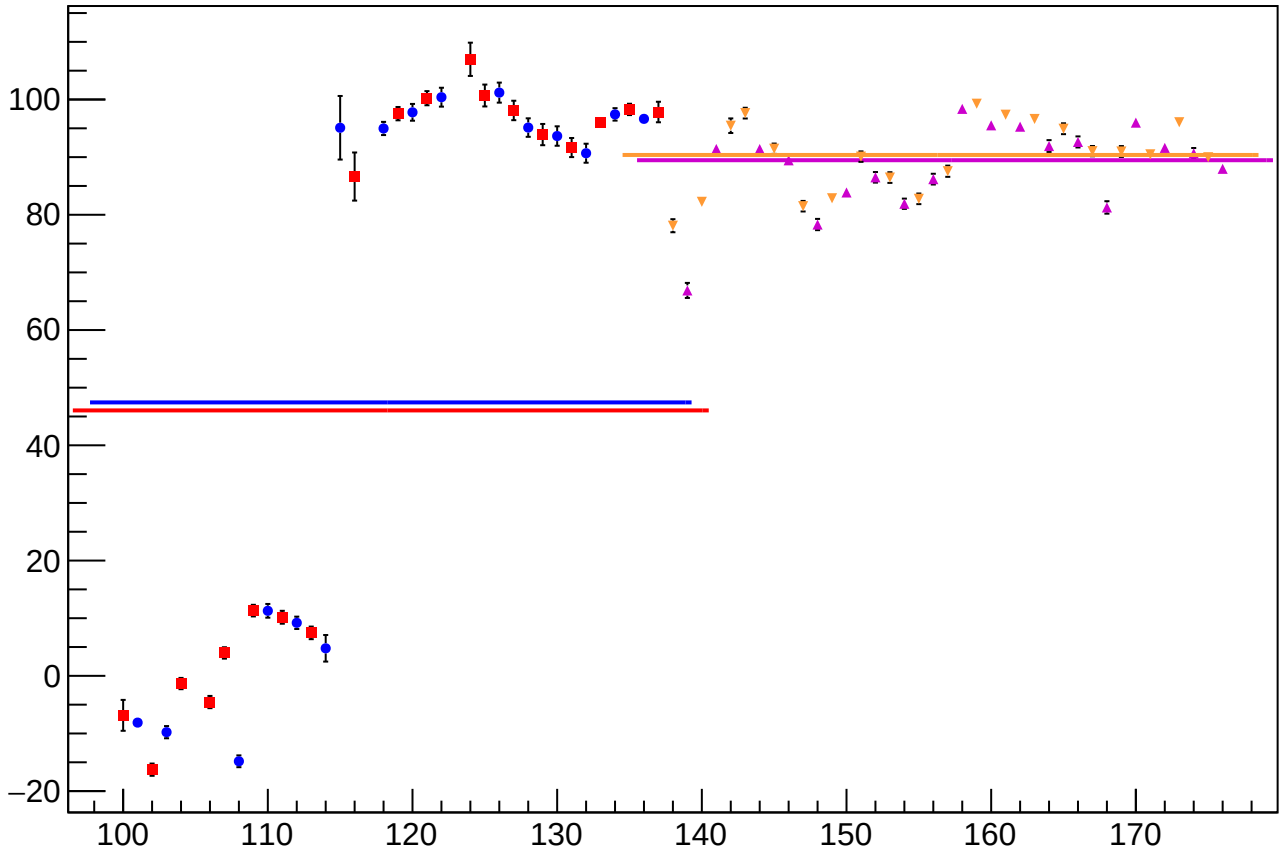
Left: 11.402+/-0.167 χ^2/NDF: 3045.6/38

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 7.831+/-0.176 χ^2/NDF:2175.8/34

Out: 7.233+/-0.170 χ^2/NDF:2634.7/38

All: 7.522+/-0.123 χ^2/NDF: 4816.4/73



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.378+/-0.199 χ^2/NDF:917.6/19

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.465+/-0.204 χ^2/NDF:1001.2/18

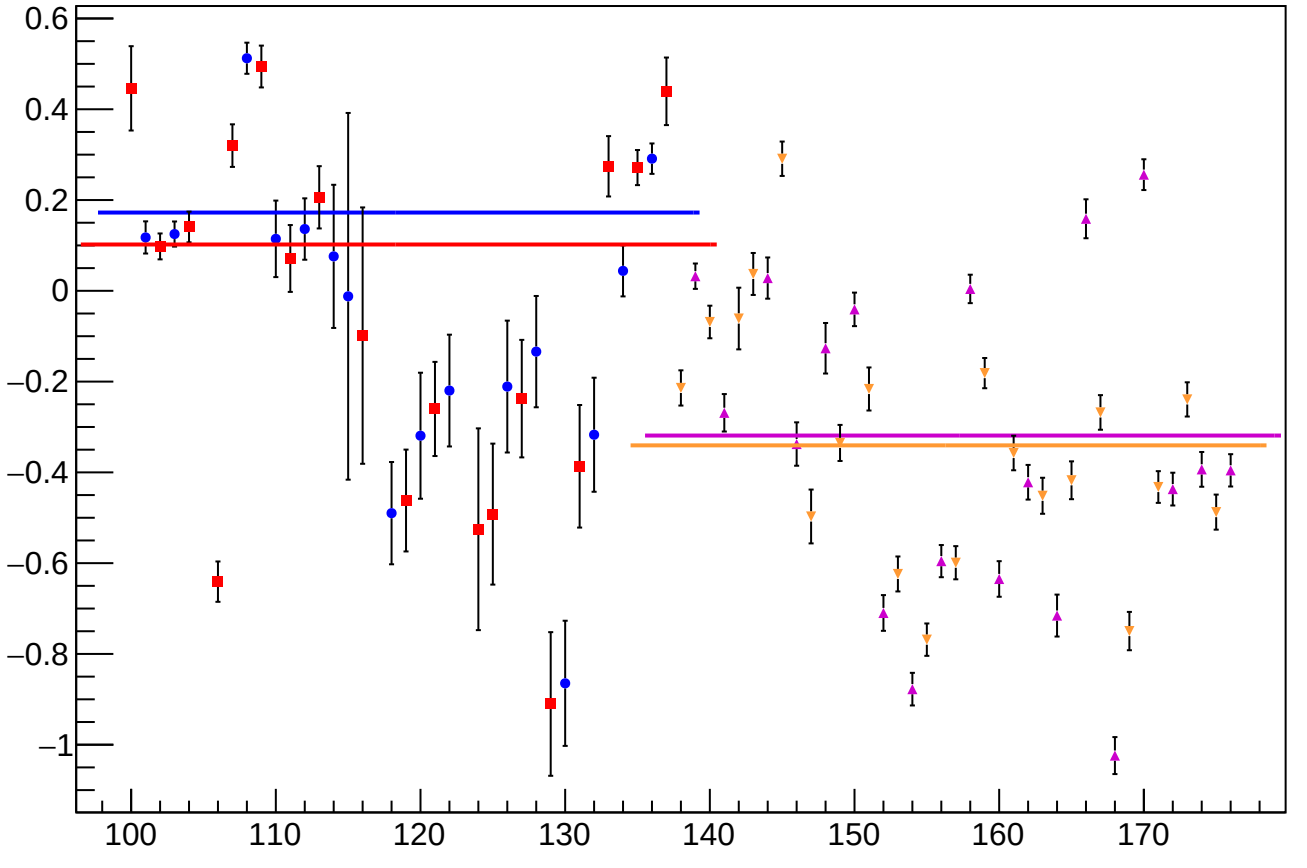
Left: 89.932+/-0.143 χ^2/NDF: 1929.1/38

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 76.672+/-0.170 χ^2/NDF:40830.6/34

Out: 75.776+/-0.163 χ^2/NDF:46099.7/38

All: 76.205+/-0.118 χ^2/NDF: 86944.7/73



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.340+/-0.009 χ^2/NDF:852.2/19

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.319+/-0.009 χ^2/NDF:1669.4/18

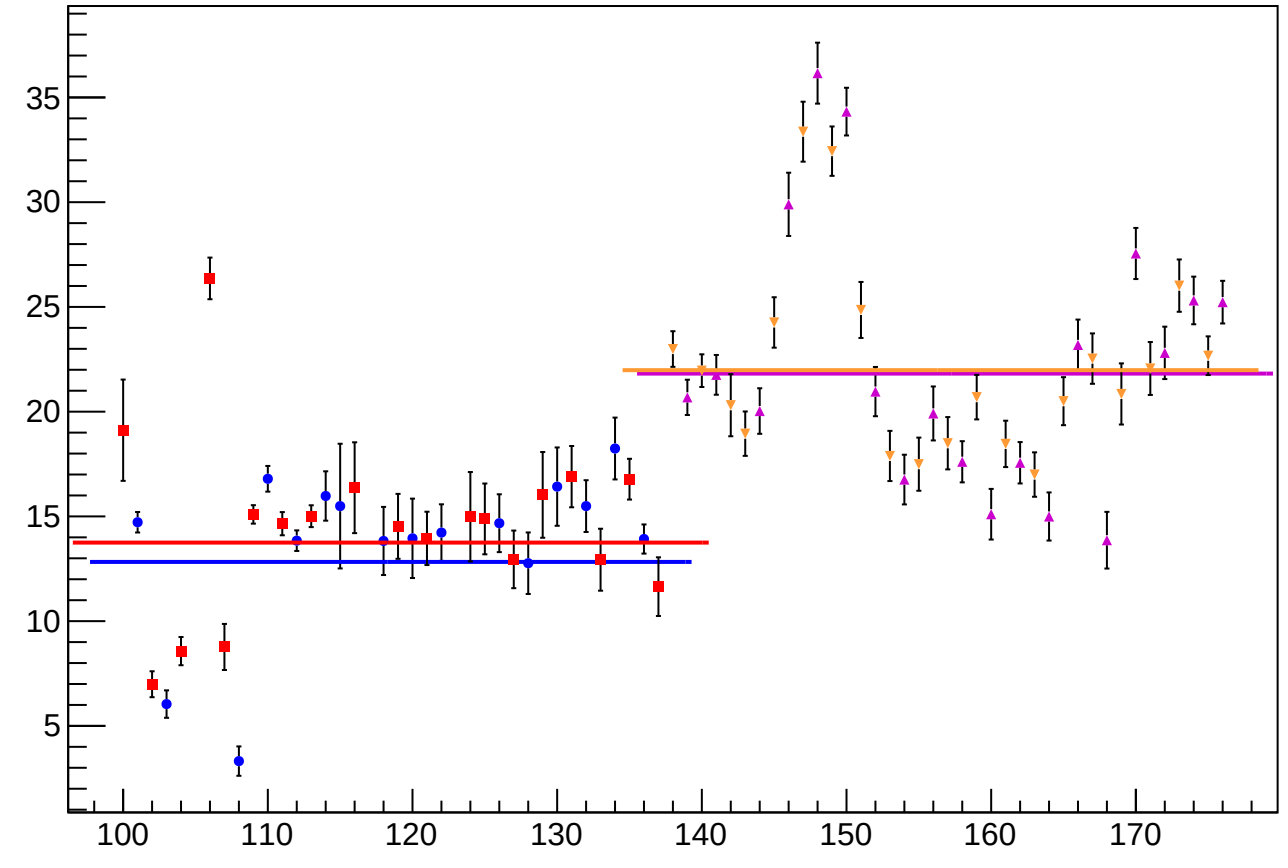
Left: -0.329+/-0.006 χ^2/NDF: 2524.6/38

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.184+/-0.007 χ^2/NDF:2807.8/34

Out: -0.206+/-0.007 χ^2/NDF:2163.9/38

All: -0.195+/-0.005 χ^2/NDF: 4976.2/73



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.981+/-0.252 χ^2/NDF:240.2/19

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.818+/-0.259 χ^2/NDF:454.1/18

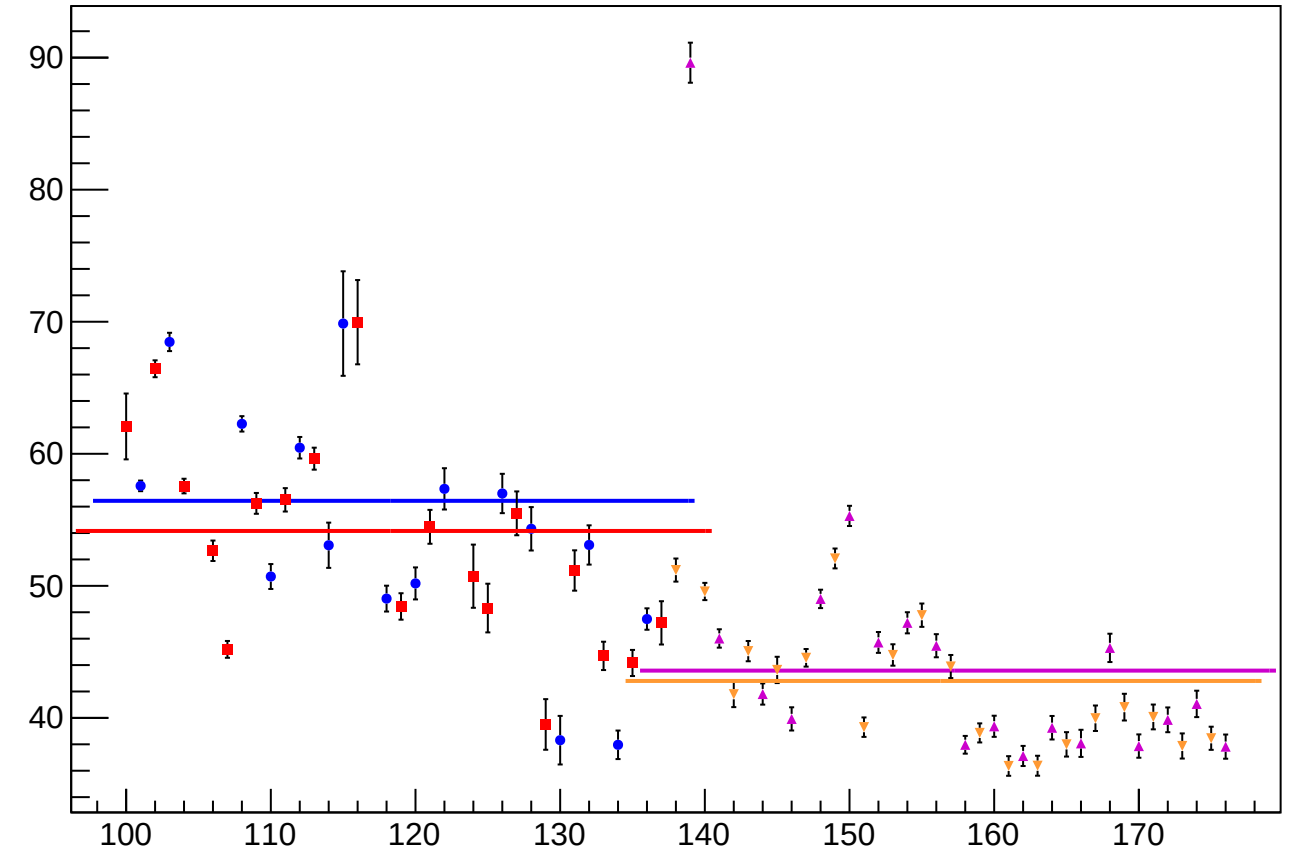
Left: 21.902+/-0.181 χ^2/NDF: 694.5/38

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.470+/-0.165 χ^2/NDF:1556.9/34

Out: 17.011+/-0.159 χ^2/NDF:1288.3/38

All: 16.751+/-0.114 χ^2/NDF: 2850.8/73



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.798+/-0.184 χ^2/NDF:707.1/19

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.581+/-0.193 χ^2/NDF:1610.6/18

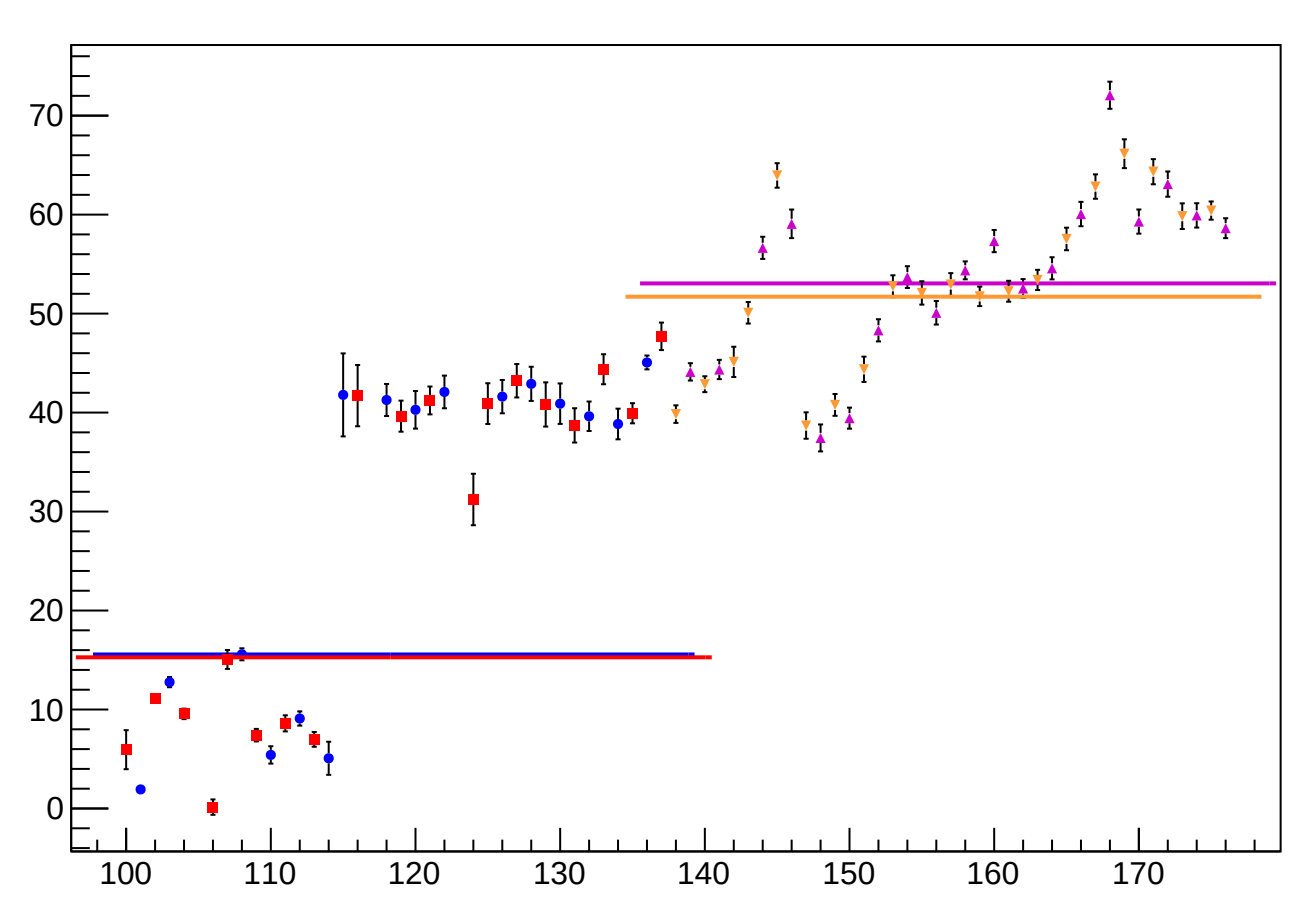
Left: 43.170+/-0.133 χ^2/NDF: 2326.3/38

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.131+/-0.146 χ^2/NDF:4608.0/34

Out: 47.353+/-0.142 χ^2/NDF:3246.6/38

All: 48.220+/-0.102 χ^2/NDF: 7930.9/73



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 51.707+/-0.248 χ^2/NDF:1084.4/19

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 53.049+/-0.255 χ^2/NDF:924.3/18

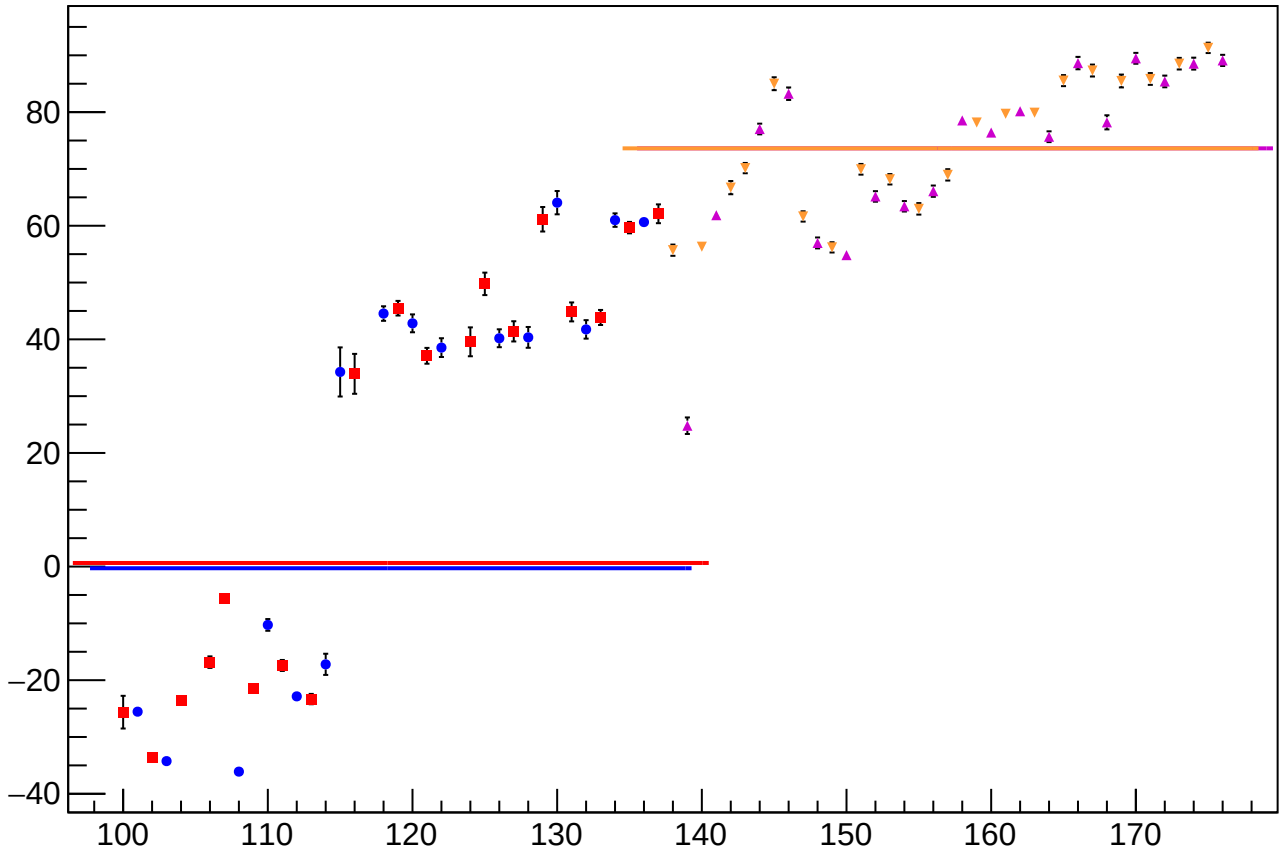
Left: 52.361+/-0.178 χ^2/NDF: 2023.0/38

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 31.083+/-0.164 χ^2/NDF:18807.8/34

Out: 31.230+/-0.164 χ^2/NDF:17065.5/38

All: 31.156+/-0.116 χ^2/NDF: 35873.7/73



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 73.624+/-0.209 χ^2/NDF:3007.2/19

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 73.623+/-0.218 χ^2/NDF:3621.7/18

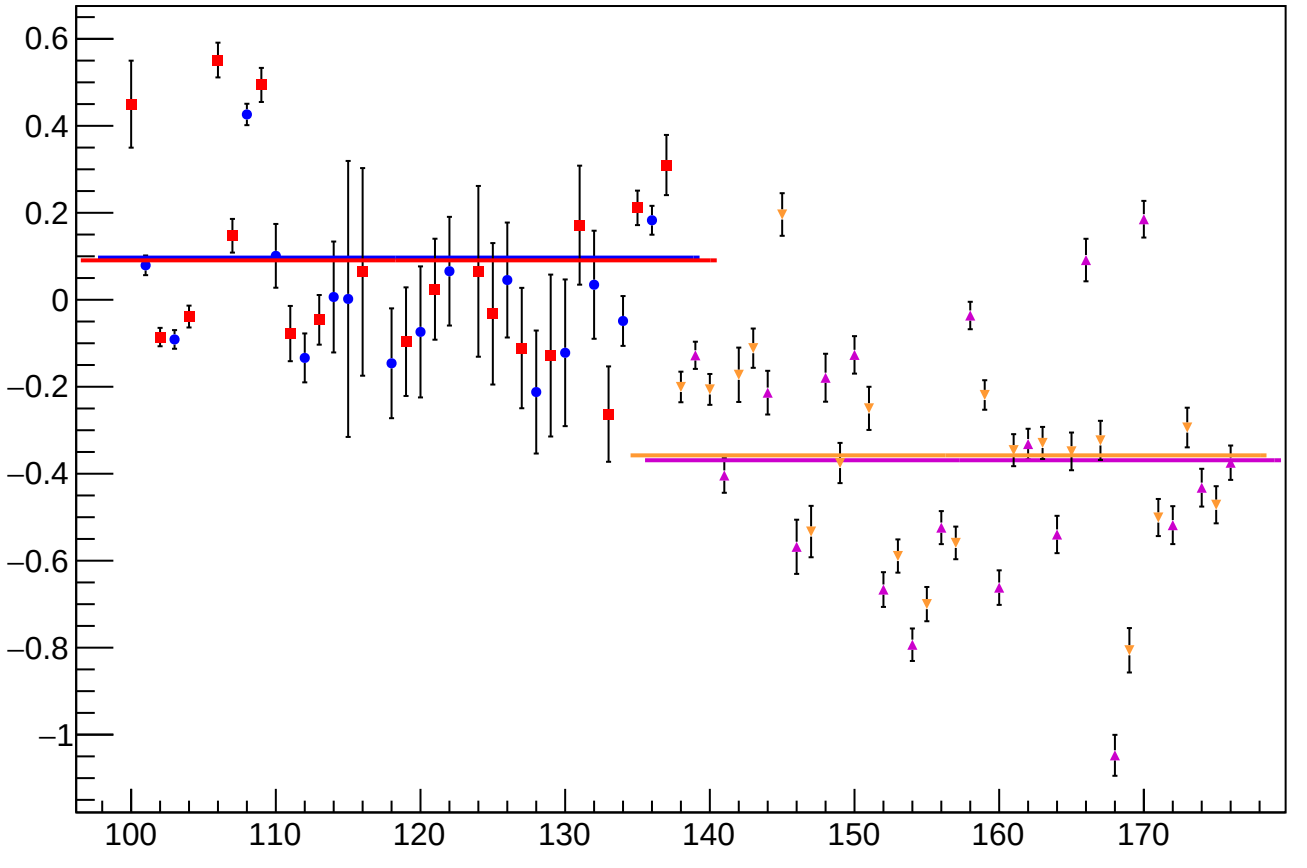
Left: 73.623+/-0.151 χ^2/NDF: 6629.0/38

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 43.357+/-0.167 χ^2/NDF:71876.5/34

Out: 45.418+/-0.164 χ^2/NDF:66076.2/38

All: 44.408+/-0.117 χ^2/NDF: 138030.2/73



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.358+/-0.009 χ^2/NDF:474.4/19

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.369+/-0.009 χ^2/NDF:990.2/18

Left: -0.363+/-0.007 χ^2/NDF: 1465.4/38

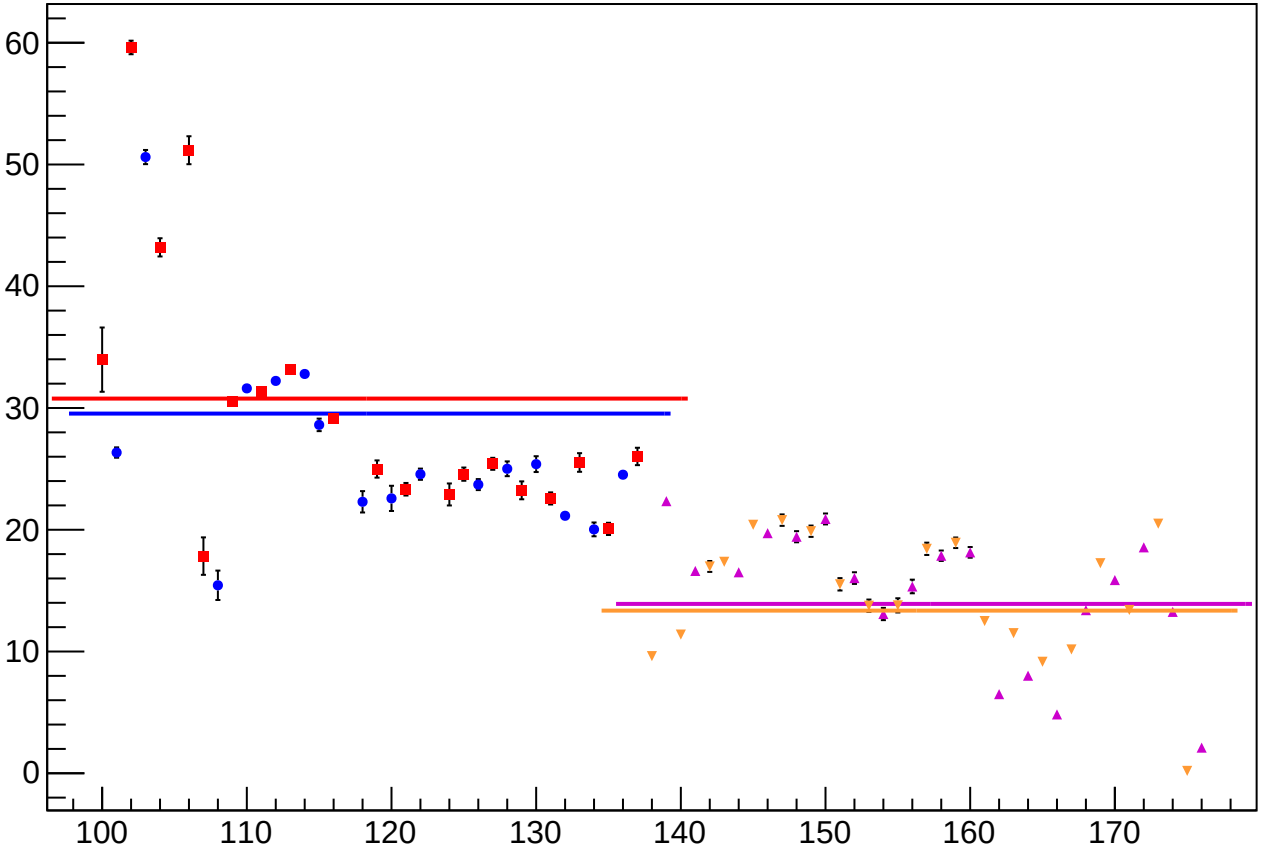
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.177+/-0.007 χ^2/NDF:2303.9/34

Out: -0.176+/-0.007 χ^2/NDF:1794.5/38

All: -0.176+/-0.005 χ^2/NDF: 4098.4/73

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.360+/-0.080 χ^2/NDF:5787.5/19

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 13.910+/-0.080 χ^2/NDF:5193.4/18

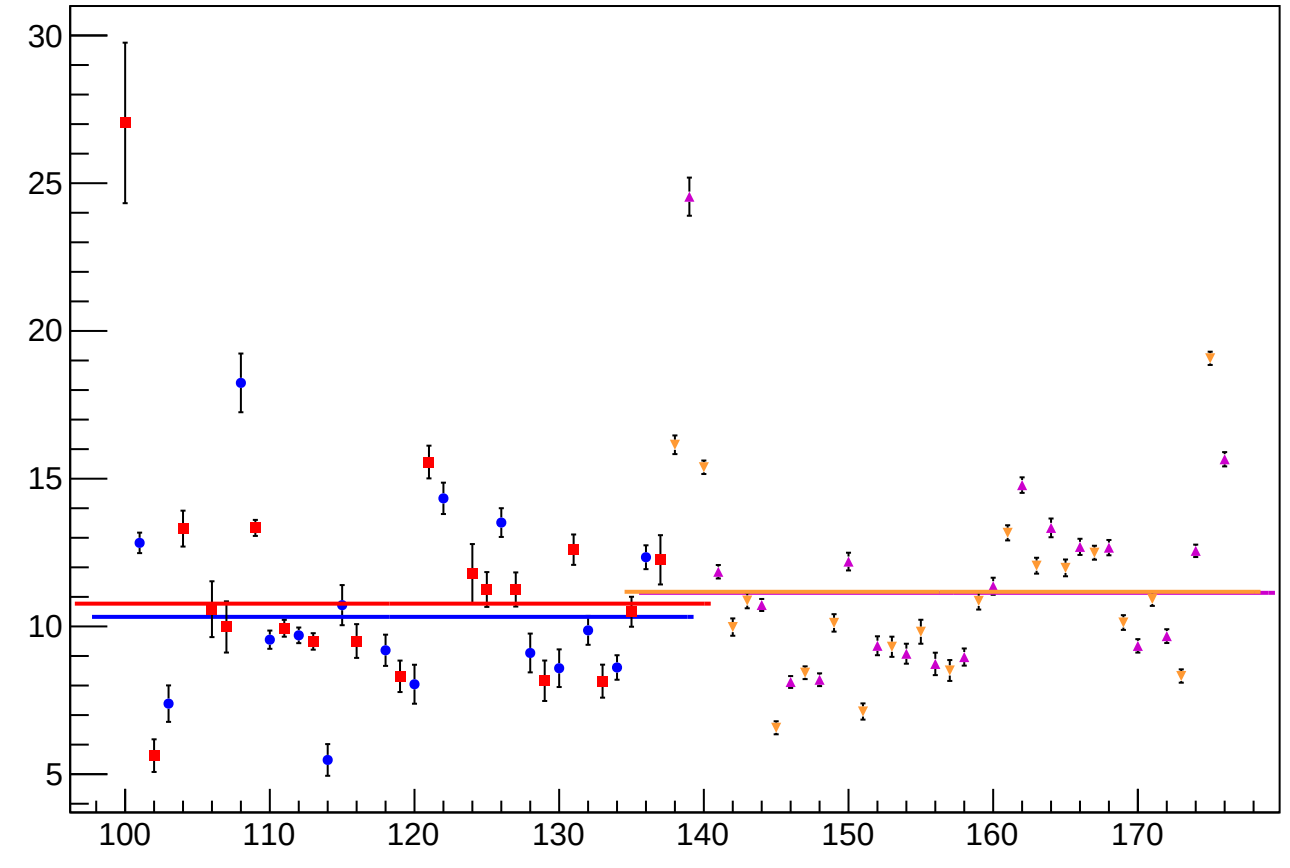
Left: 13.634+/-0.057 χ^2/NDF: 11004.6/38

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 20.662+/-0.060 χ^2/NDF:24981.3/34

Out: 22.038+/-0.057 χ^2/NDF:34547.3/38

All: 21.395+/-0.041 χ^2/NDF: 59804.8/73



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.173+/-0.059 χ^2/NDF:3057.2/19

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 11.137+/-0.059 χ^2/NDF:1839.2/18

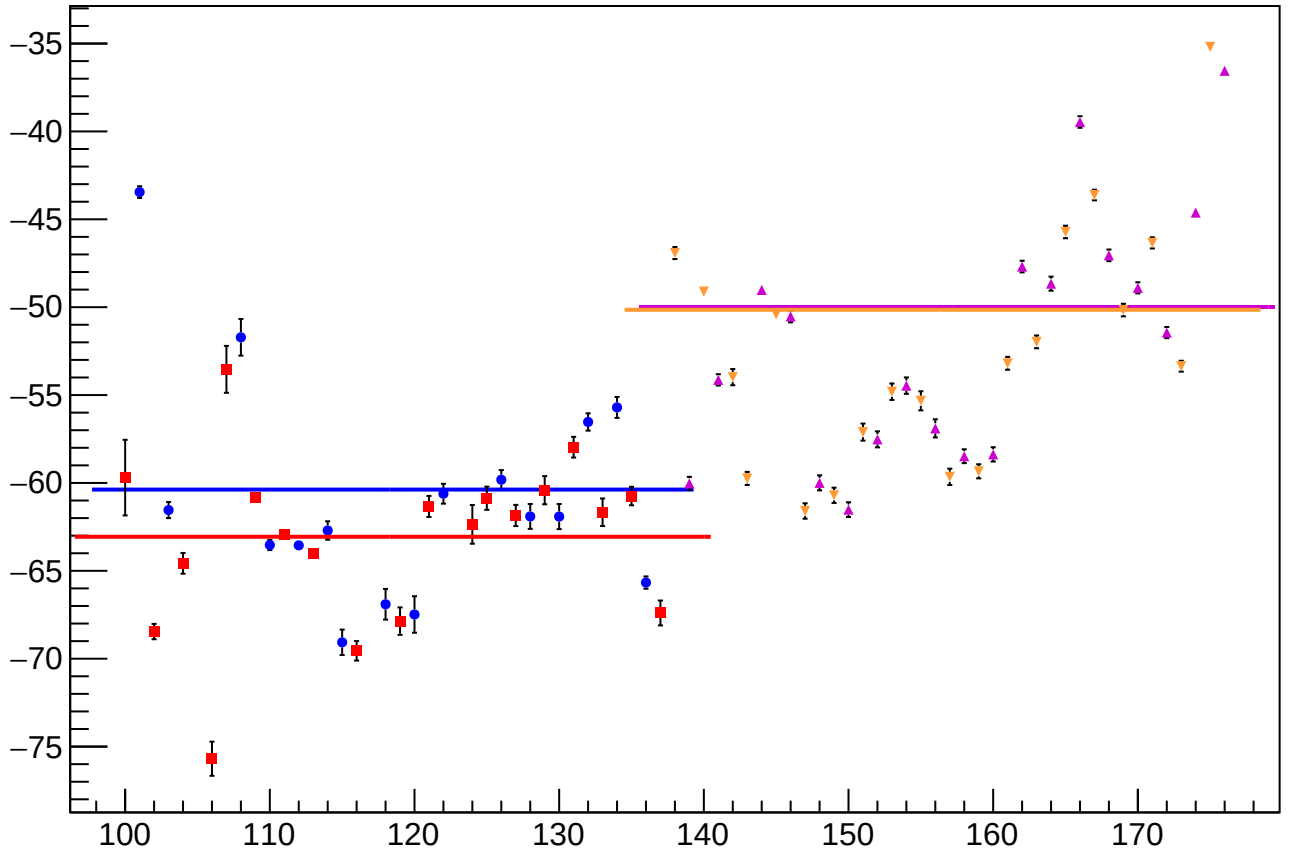
Left: 11.155+/-0.042 χ^2/NDF: 4896.7/38

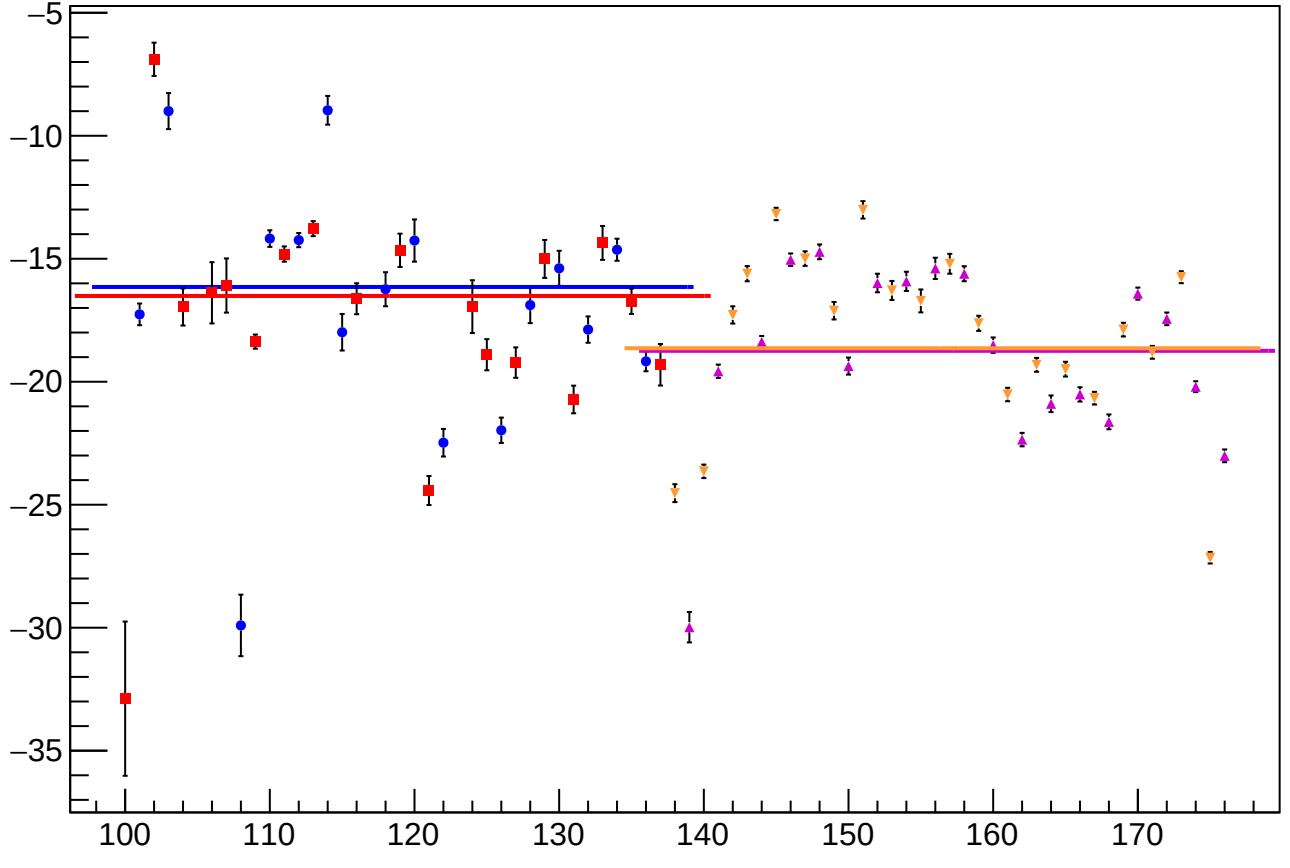
Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

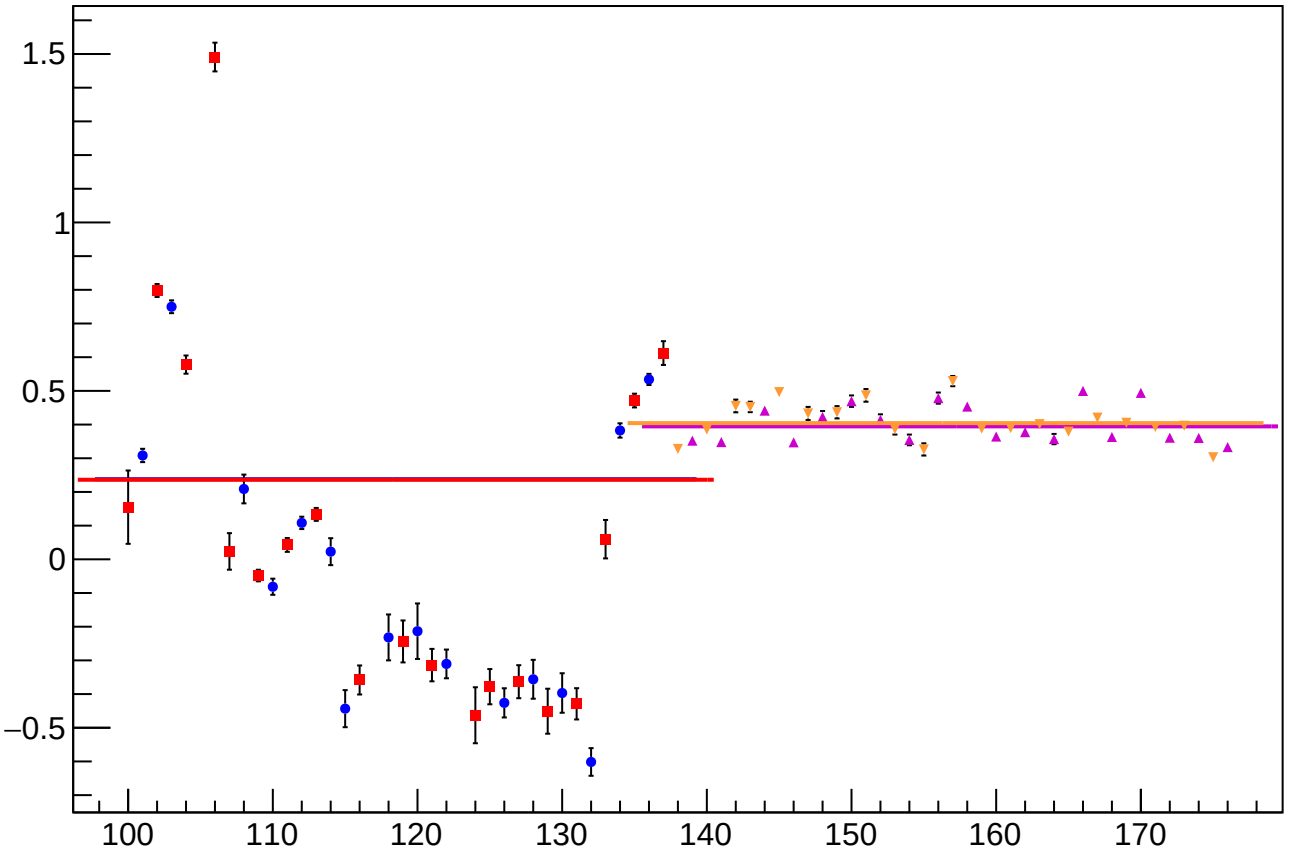
In: 10.963+/-0.053 χ^2/NDF:2281.9/34

Out: 11.087+/-0.052 χ^2/NDF:3483.0/38

All: 11.026+/-0.037 χ^2/NDF: 5767.7/73


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
160
170
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -50.148+/-0.080 χ²/NDF:8316.0/19
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -49.988+/-0.080 χ²/NDF:7740.1/18
Left: -50.068+/-0.056 χ²/NDF: 16058.1/38
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -53.445+/-0.065 χ²/NDF:16977.5/34
Out: -54.733+/-0.064 χ²/NDF:18509.3/38
All: -54.102+/-0.046 χ²/NDF: 35685.7/73


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -18.639+/-0.067 χ²/NDF:3315.8/19
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -18.743+/-0.067 χ²/NDF:1779.9/18
Left: -18.690+/-0.047 χ²/NDF: 5096.9/38
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -18.174+/-0.060 χ²/NDF:2902.3/34
Out: -18.165+/-0.059 χ²/NDF:4226.7/38
All: -18.169+/-0.042 χ²/NDF: 7129.0/73



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.404+/-0.003 χ^2/NDF:326.3/19

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.395+/-0.003 χ^2/NDF:345.2/18

Left: 0.399+/-0.002 χ^2/NDF: 676.6/38

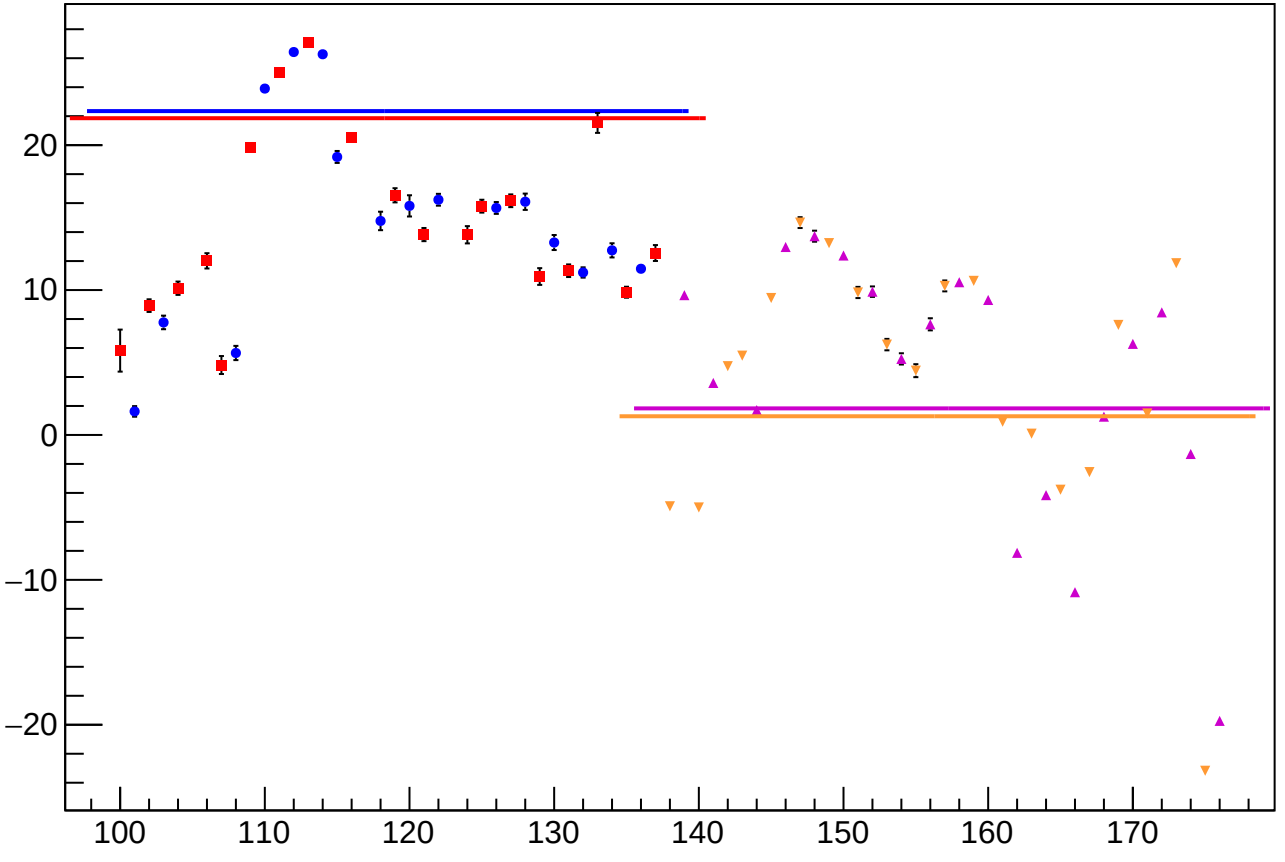
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.371+/-0.003 χ^2/NDF:3396.8/34

Out: 0.378+/-0.003 χ^2/NDF:4396.0/38

All: 0.375+/-0.002 χ^2/NDF: 7796.4/73

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.290+/-0.065 χ^2/NDF:23598.6/19

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 1.833+/-0.066 χ^2/NDF:18732.7/18

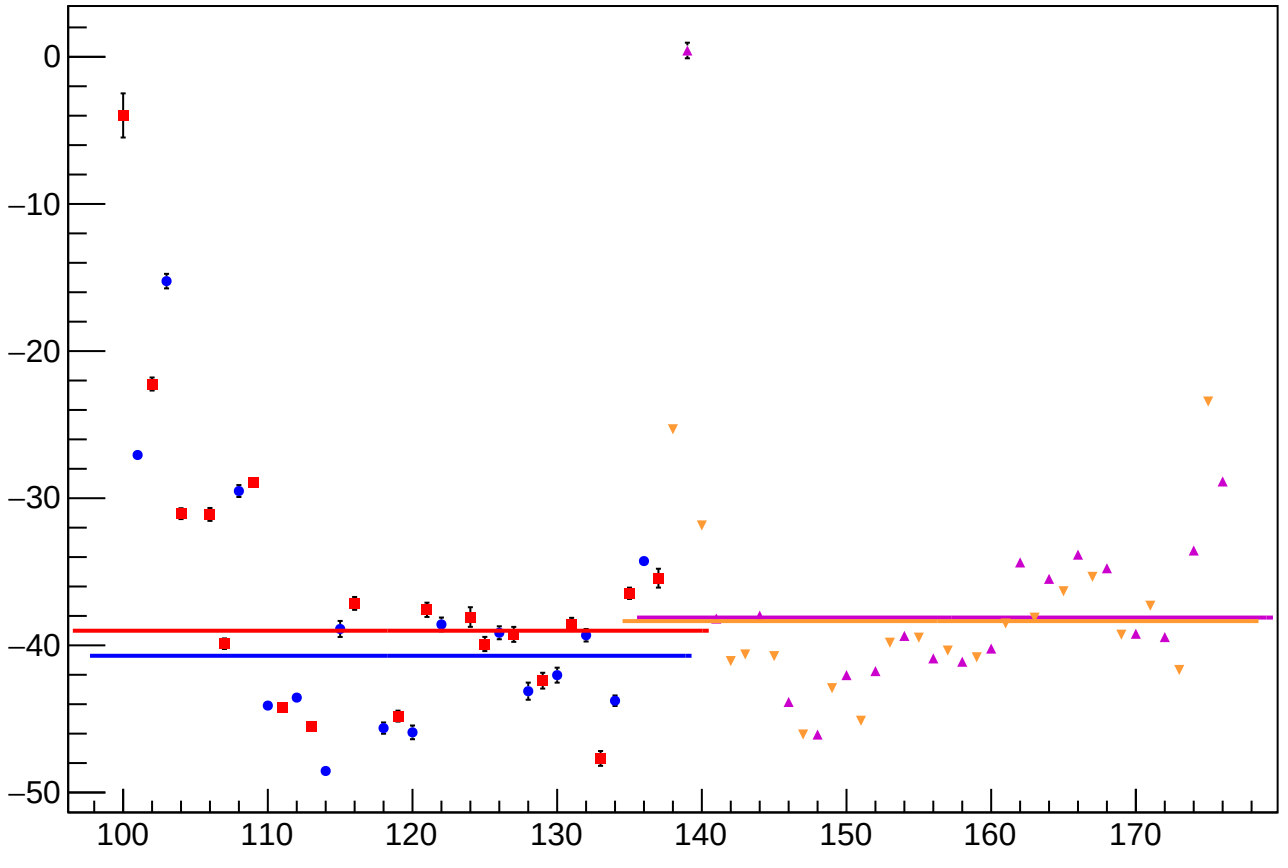
Left: 1.555+/-0.046 χ^2/NDF: 42365.7/38

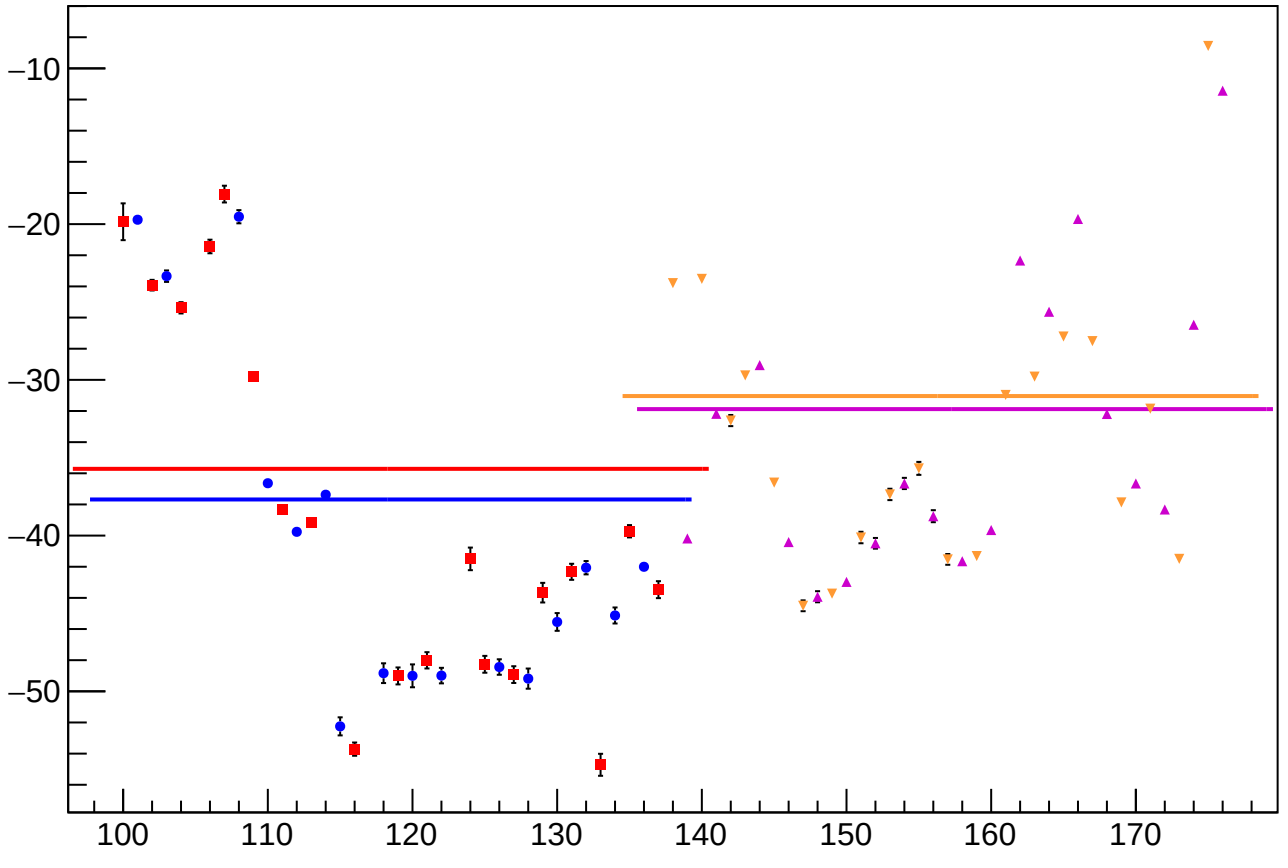
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 13.715+/-0.043 χ^2/NDF:86459.2/34

Out: 14.907+/-0.038 χ^2/NDF:101034.6/38

All: 14.390+/-0.028 χ^2/NDF: 187928.1/73


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -38.352+/-0.047 χ²/NDF:14272.5/19
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -38.111+/-0.049 χ²/NDF:12621.3/18
Left: -38.236+/-0.034 χ²/NDF: 26906.2/38
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -38.872+/-0.041 χ²/NDF:21217.3/34
Out: -38.552+/-0.039 χ²/NDF:24432.4/38
All: -38.704+/-0.029 χ²/NDF: 45681.1/73



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -31.040+/-0.064 χ^2/NDF:22218.0/19

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -31.878+/-0.066 χ^2/NDF:19131.7/18

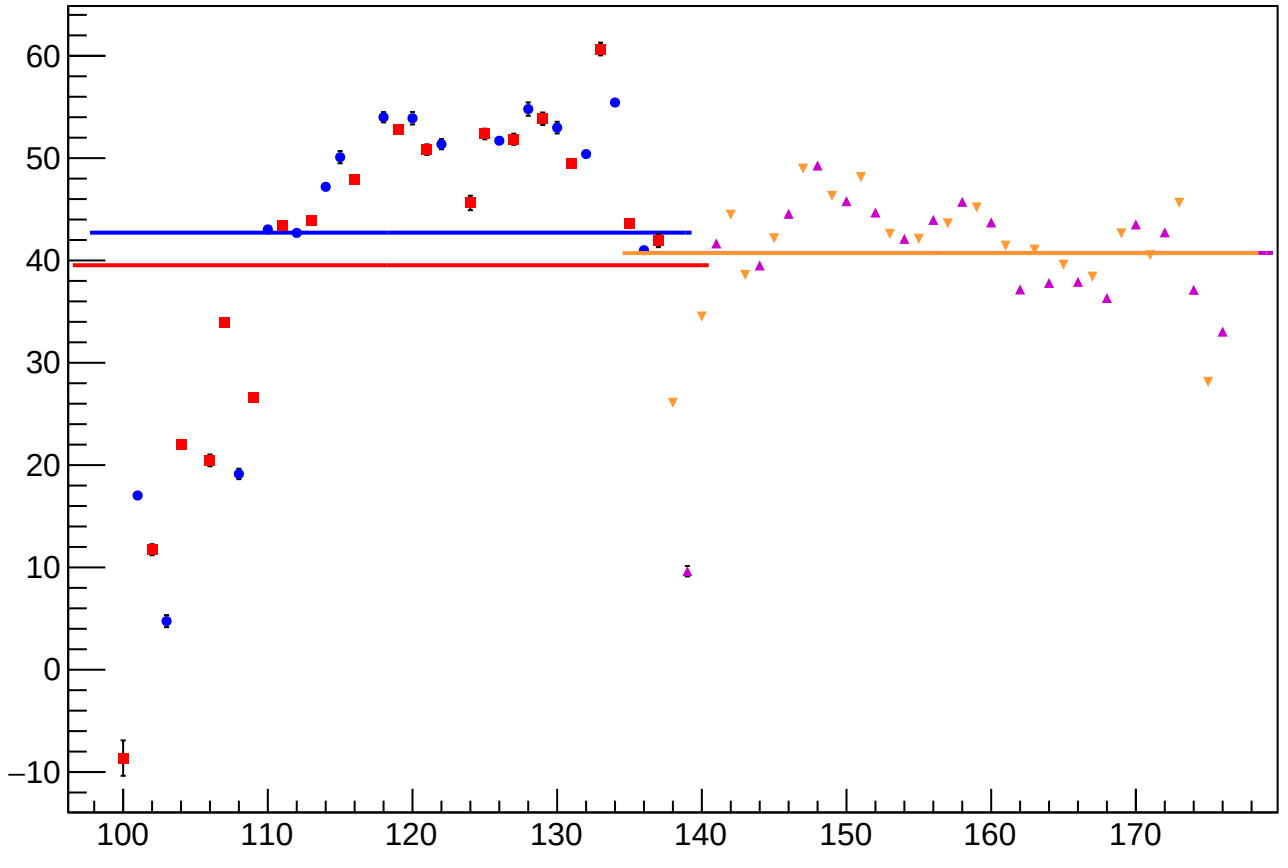
Left: -31.450+/-0.046 χ^2/NDF: 41432.6/38

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -34.451+/-0.049 χ^2/NDF:33431.7/34

Out: -33.378+/-0.045 χ^2/NDF:38130.4/38

All: -33.874+/-0.033 χ^2/NDF: 71818.9/73



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.718+/-0.054 χ^2/NDF:10914.6/19

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 40.734+/-0.056 χ^2/NDF:9032.2/18

Left: 40.726+/-0.039 χ^2/NDF: 19946.8/38

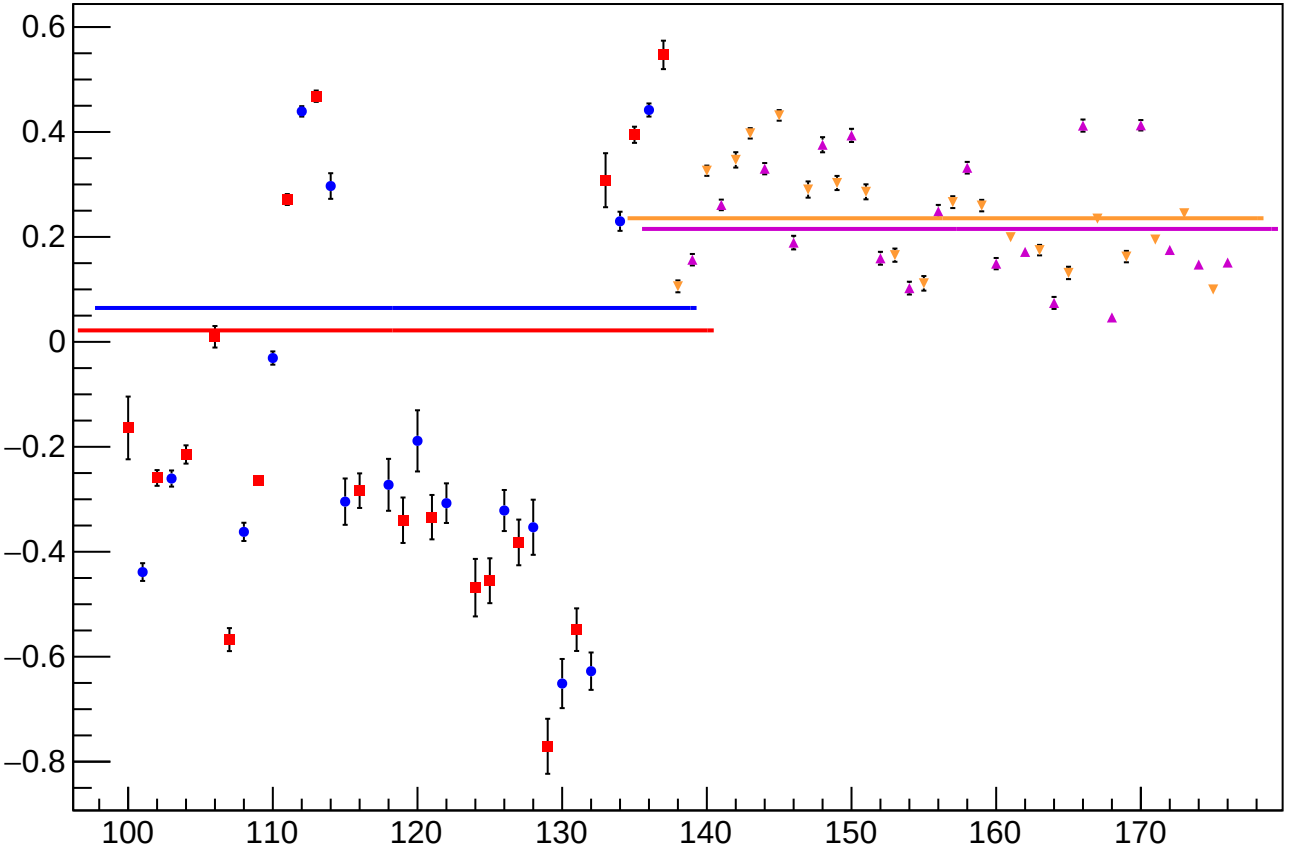
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.329+/-0.047 χ^2/NDF:24178.1/34

Out: 40.337+/-0.044 χ^2/NDF:29048.5/38

All: 40.809+/-0.032 χ^2/NDF: 53464.7/73

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.236+/-0.002 χ^2/NDF:1483.6/19

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.215+/-0.002 χ^2/NDF:2050.8/18

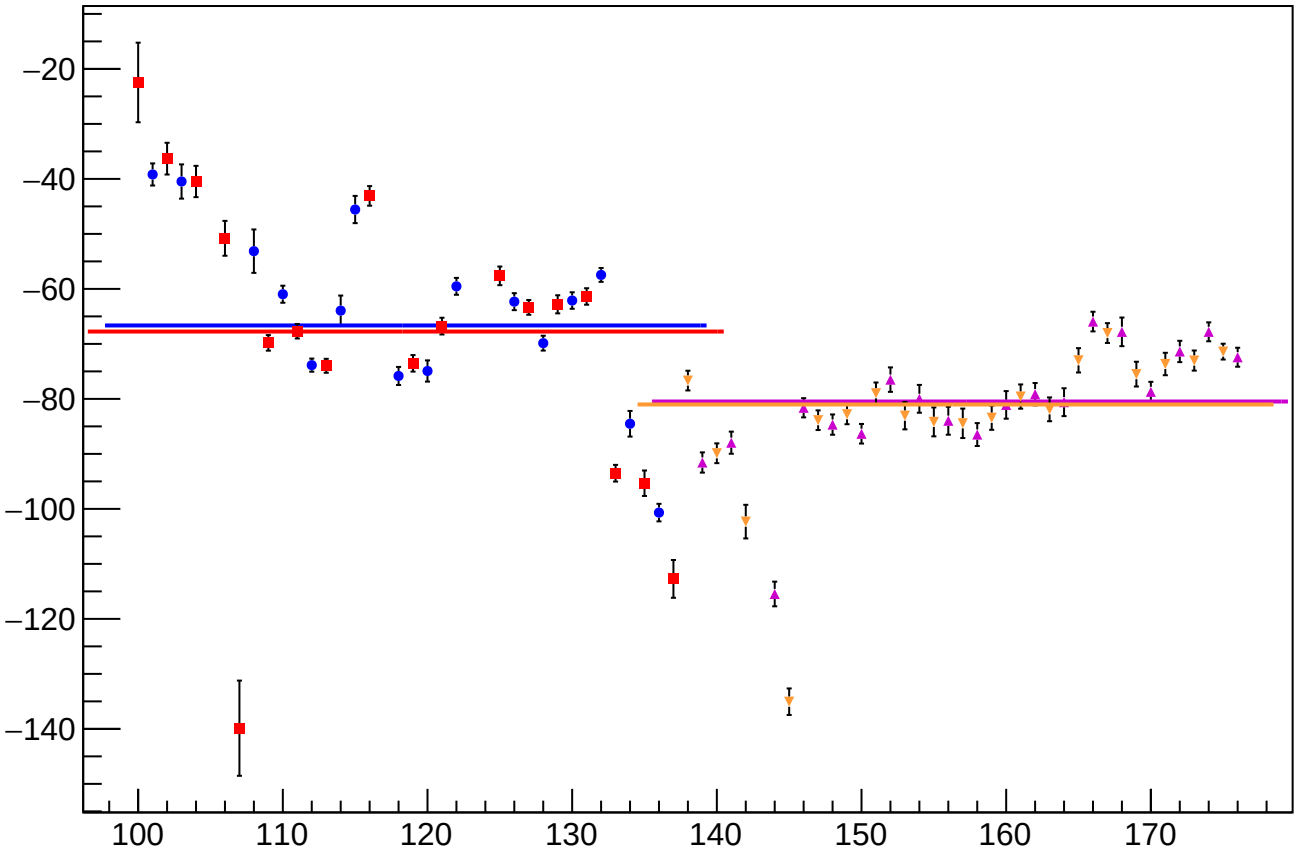
Left: 0.225+/-0.002 χ^2/NDF: 3568.8/38

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

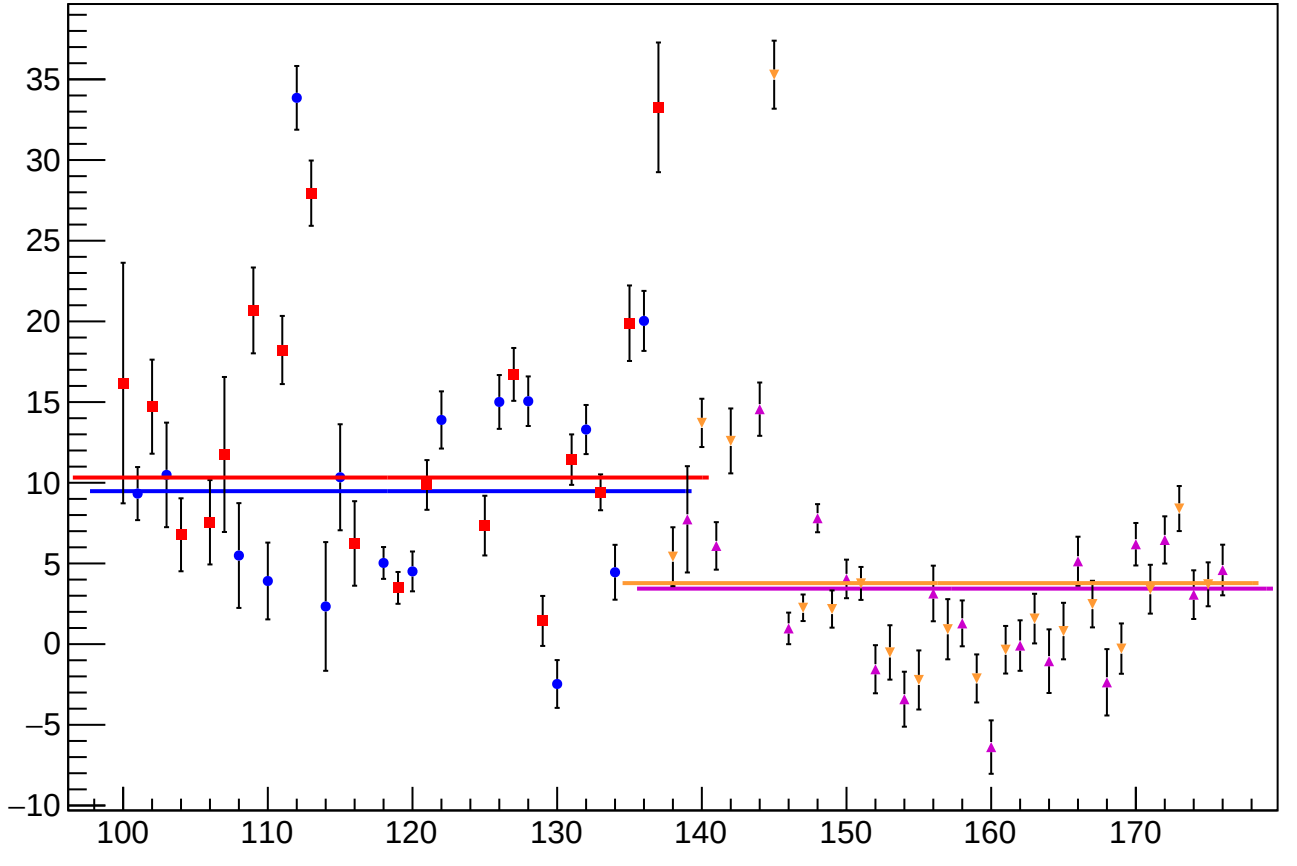
In: 0.184+/-0.002 χ^2/NDF:8318.2/34

Out: 0.185+/-0.002 χ^2/NDF:9696.2/38

All: 0.184+/-0.002 χ^2/NDF: 18014.4/73


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -81.013+/-0.467 χ²/NDF:739.4/18
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -80.476+/-0.462 χ²/NDF:512.9/18
Left: -80.742+/-0.329 χ²/NDF: 1253.0/37
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.002+/-0.313 χ²/NDF:2049.2/34
Out: -73.673+/-0.312 χ²/NDF:2440.7/36
All: -73.339+/-0.221 χ²/NDF: 4492.3/71

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.781+/-0.326 χ^2/NDF:359.5/18

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.439+/-0.330 χ^2/NDF:175.6/18

Left: 3.612+/-0.232 χ^2/NDF: 535.6/37

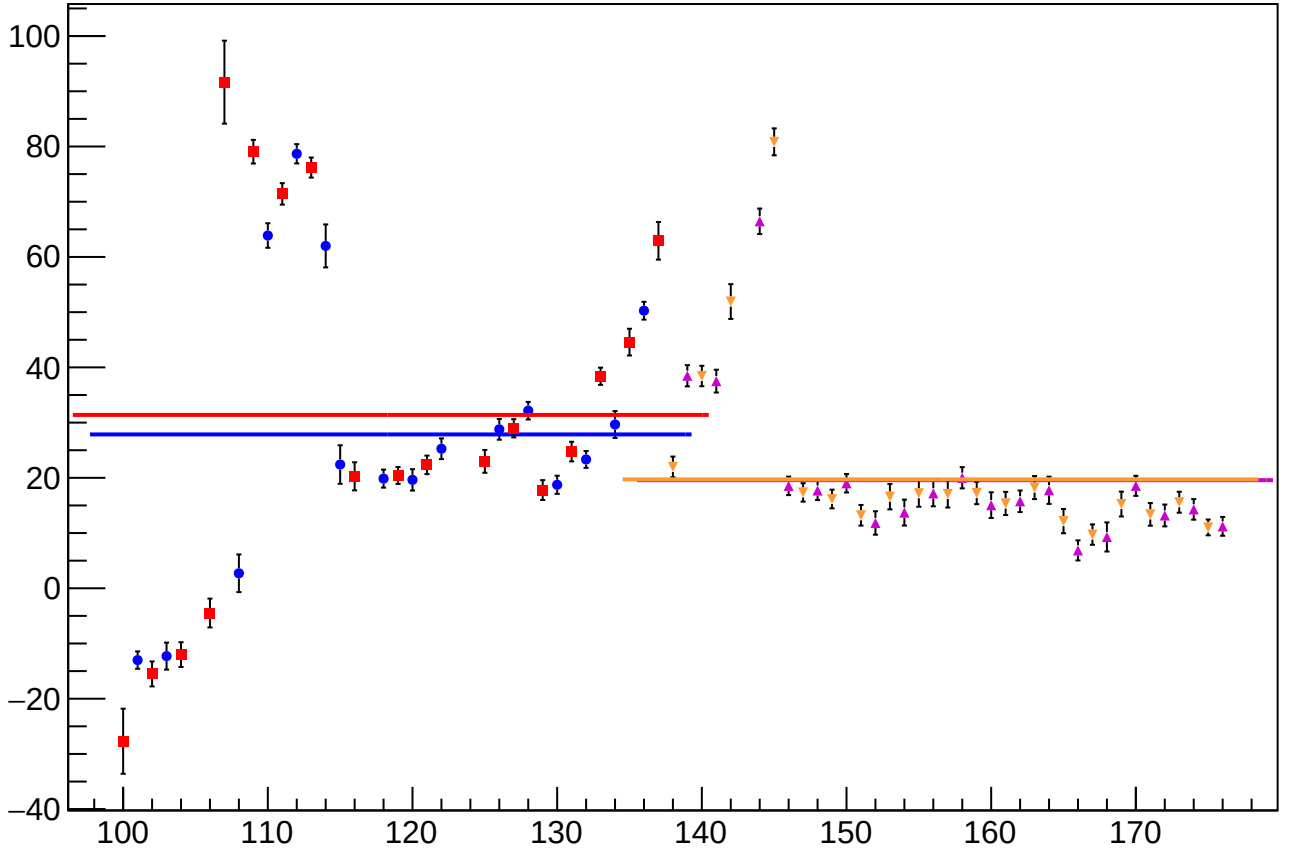
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.688+/-0.261 χ^2/NDF:642.5/34

Out: 6.134+/-0.261 χ^2/NDF:767.4/36

All: 5.911+/-0.185 χ^2/NDF: 1411.3/71

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.724+/-0.458 χ^2/NDF:961.0/18

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 19.582+/-0.454 χ^2/NDF:722.3/18

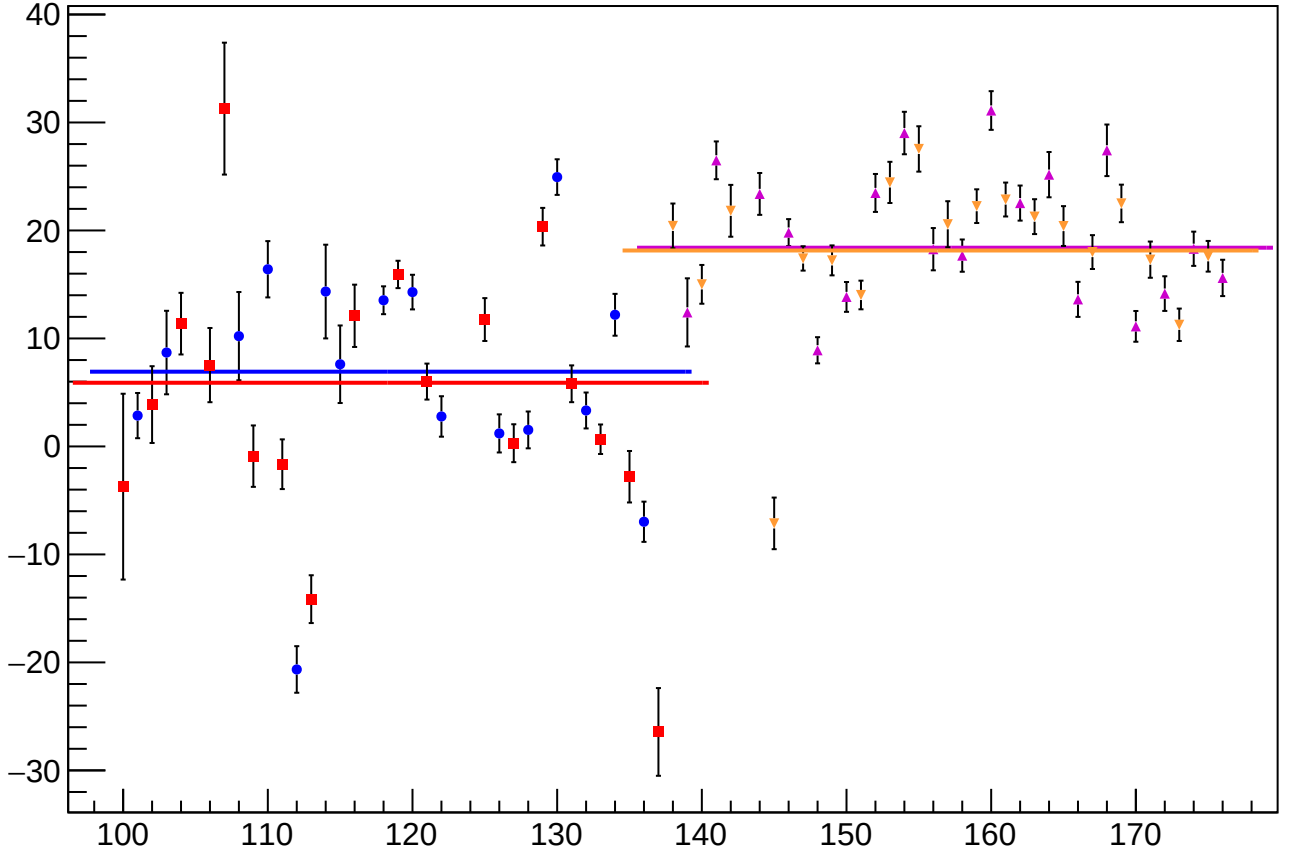
Left: 19.652+/-0.323 χ^2/NDF: 1683.4/37

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.470+/-0.331 χ^2/NDF:3352.4/34

Out: 25.197+/-0.334 χ^2/NDF:4276.7/36

All: 24.325+/-0.235 χ^2/NDF: 7642.6/71



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.145+/-0.378 χ^2/NDF:210.1/18

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.403+/-0.380 χ^2/NDF:269.0/18

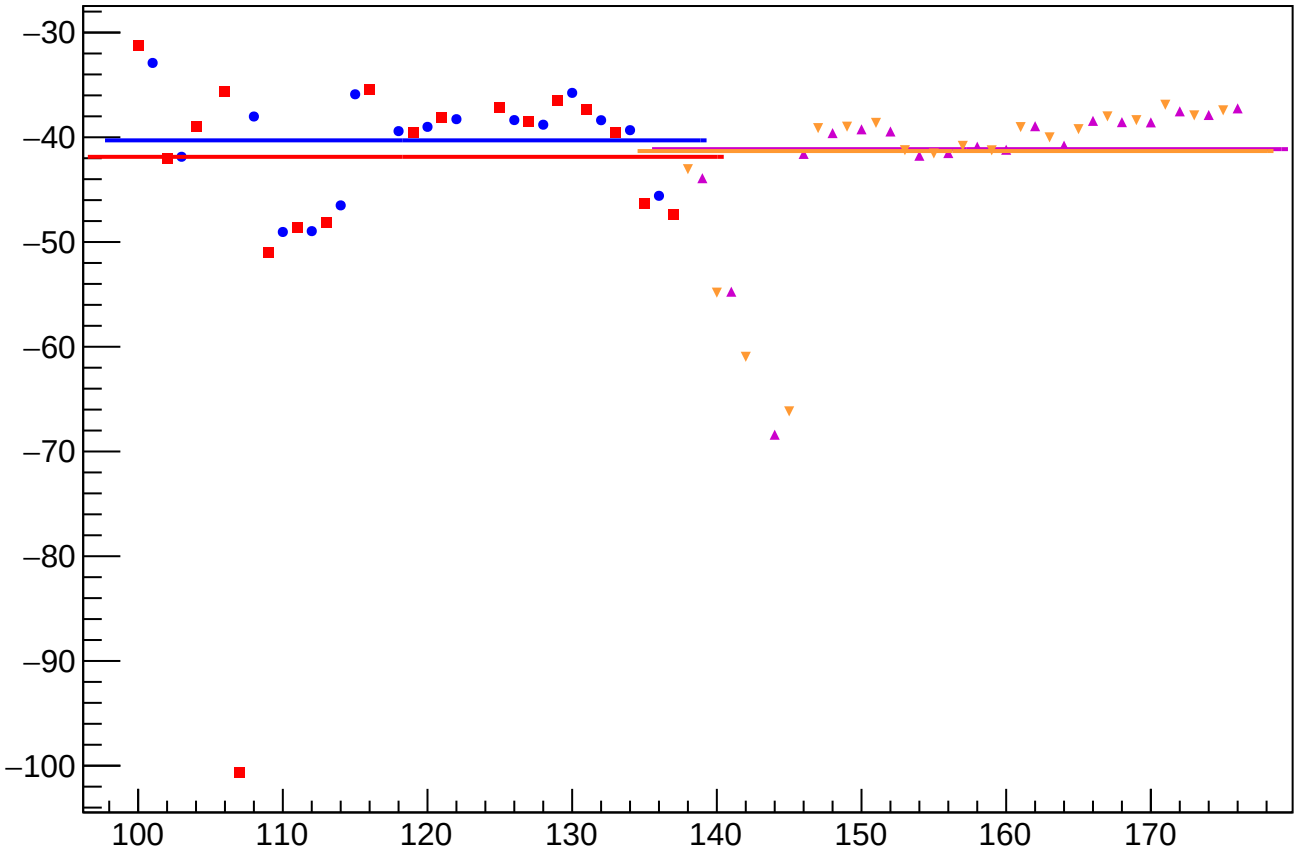
Left: 18.273+/-0.268 χ^2/NDF: 479.3/37

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.156+/-0.301 χ^2/NDF:1051.5/34

Out: 13.716+/-0.302 χ^2/NDF:958.3/36

All: 13.936+/-0.213 χ^2/NDF: 2010.8/71



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.315+/-0.017 χ^2/NDF:136353.2/18

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.132+/-0.017 χ^2/NDF:111602.0/18

Left: -41.221+/-0.012 χ^2/NDF: 248011.3/37

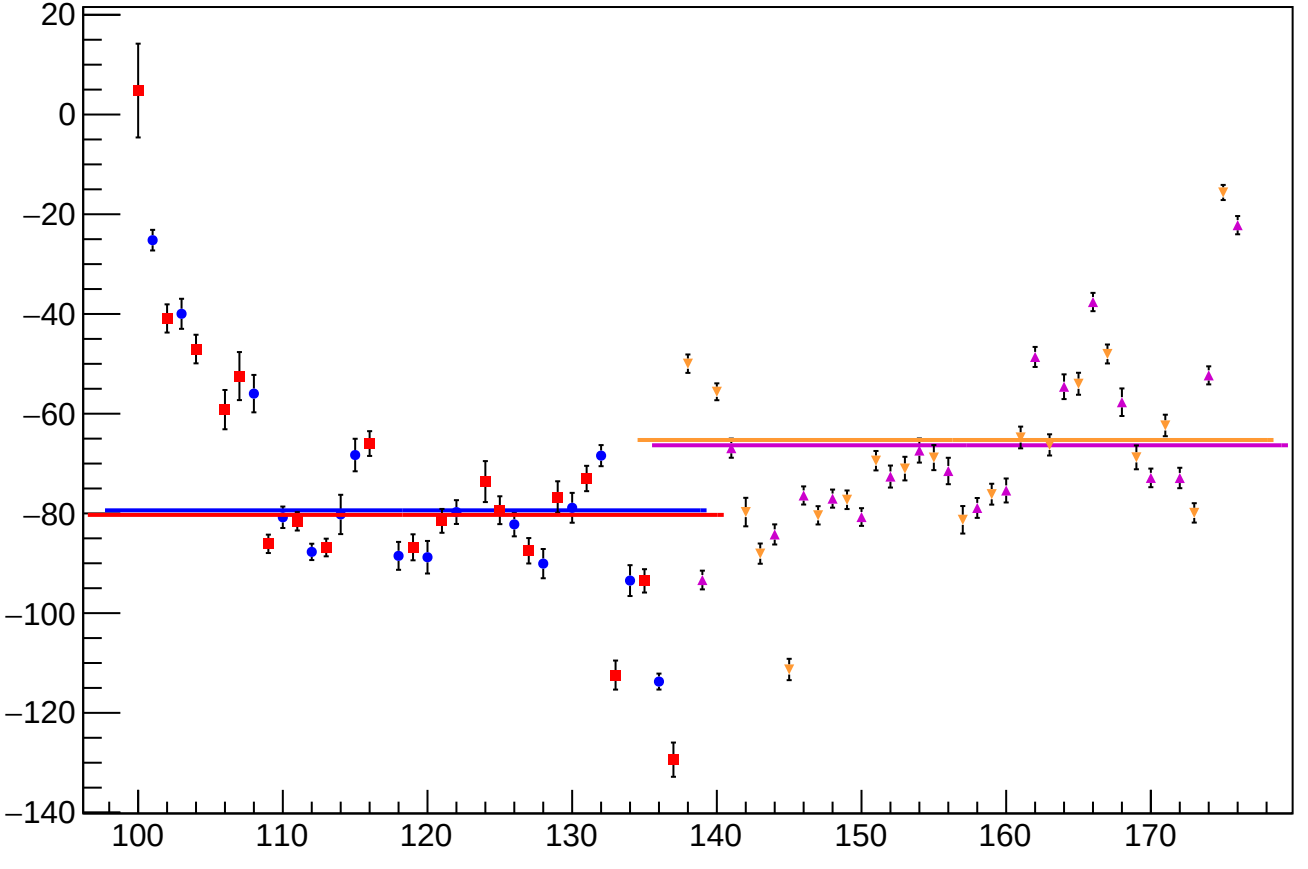
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.942+/-0.015 χ^2/NDF:132817.1/34

Out: -41.441+/-0.015 χ^2/NDF:195316.4/36

All: -41.185+/-0.011 χ^2/NDF: 328676.3/71

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -65.273+/-0.458 χ^2/NDF:2137.1/19

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -66.335+/-0.465 χ^2/NDF:1502.0/18

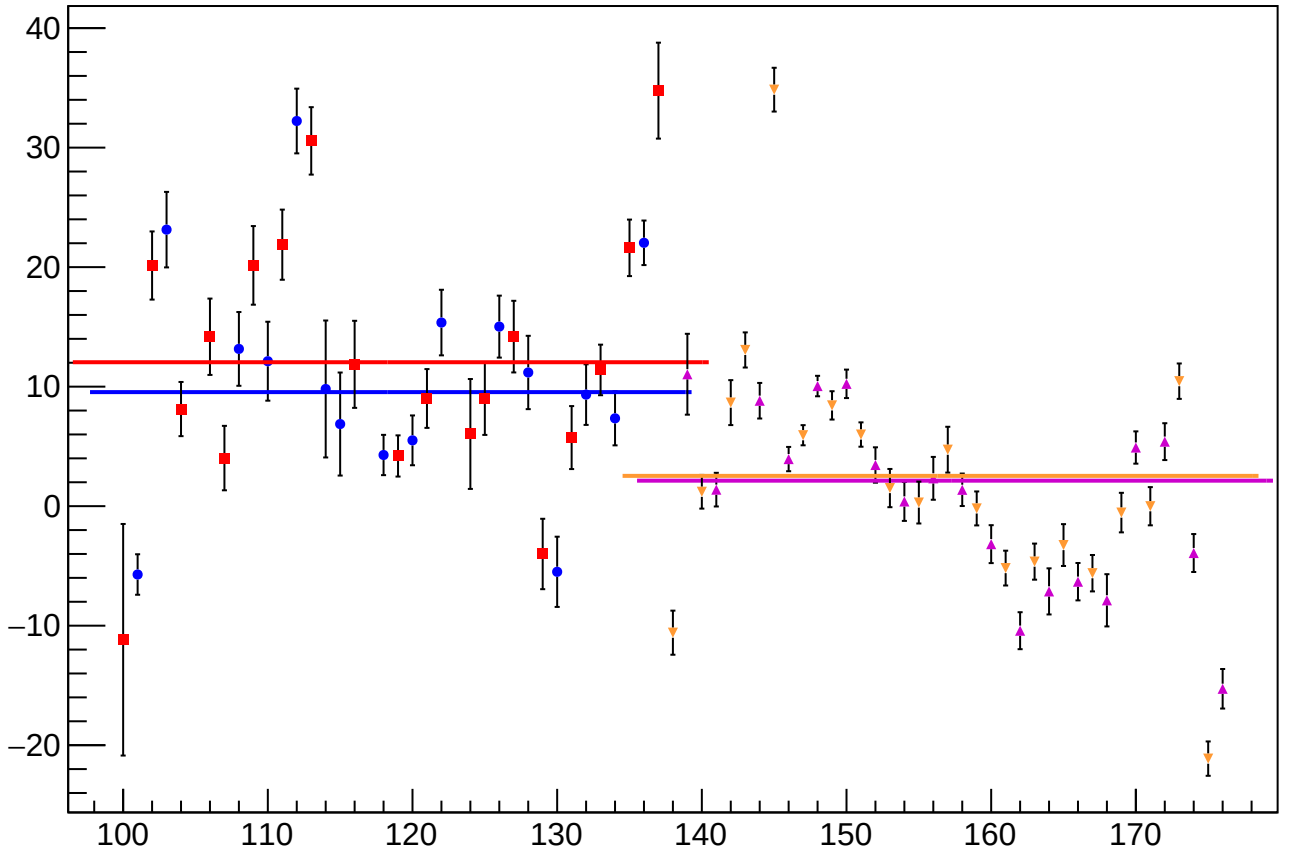
Left: -65.796+/-0.326 χ^2/NDF: 3641.8/38

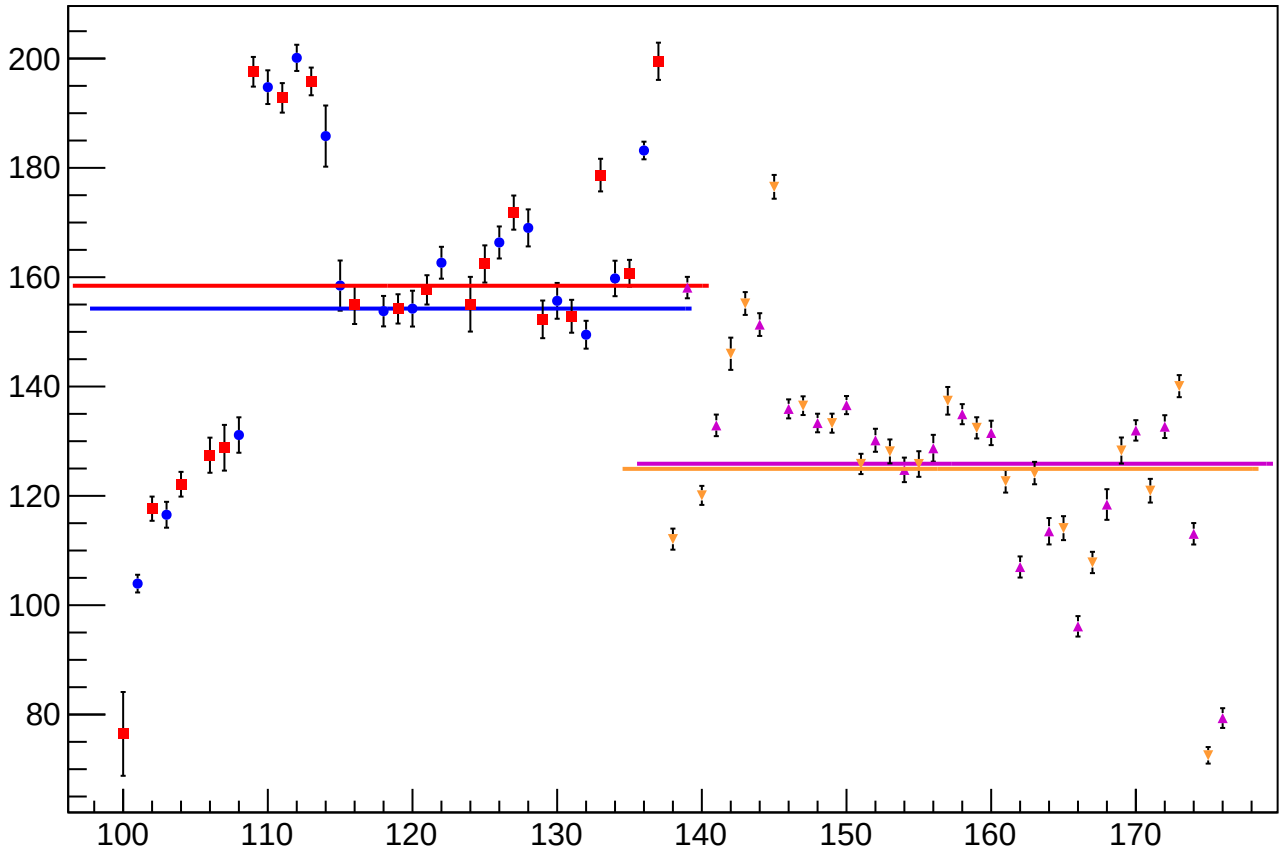
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -71.115+/-0.370 χ^2/NDF:3266.7/34

Out: -70.752+/-0.365 χ^2/NDF:3444.7/38

All: -70.931+/-0.260 χ^2/NDF: 6711.8/73


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: 2.535+/-0.320 χ²/NDF:879.9/19
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.133+/-0.330 χ²/NDF:448.8/18
Left: 2.340+/-0.230 χ²/NDF: 1329.5/38
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 3.762+/-0.291 χ²/NDF:826.9/34
Out: 4.451+/-0.286 χ²/NDF:1253.8/38
All: 4.113+/-0.204 χ²/NDF: 2083.5/73



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.937+/-0.450 χ^2/NDF:2349.1/19

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 125.876+/-0.456 χ^2/NDF:1673.0/18

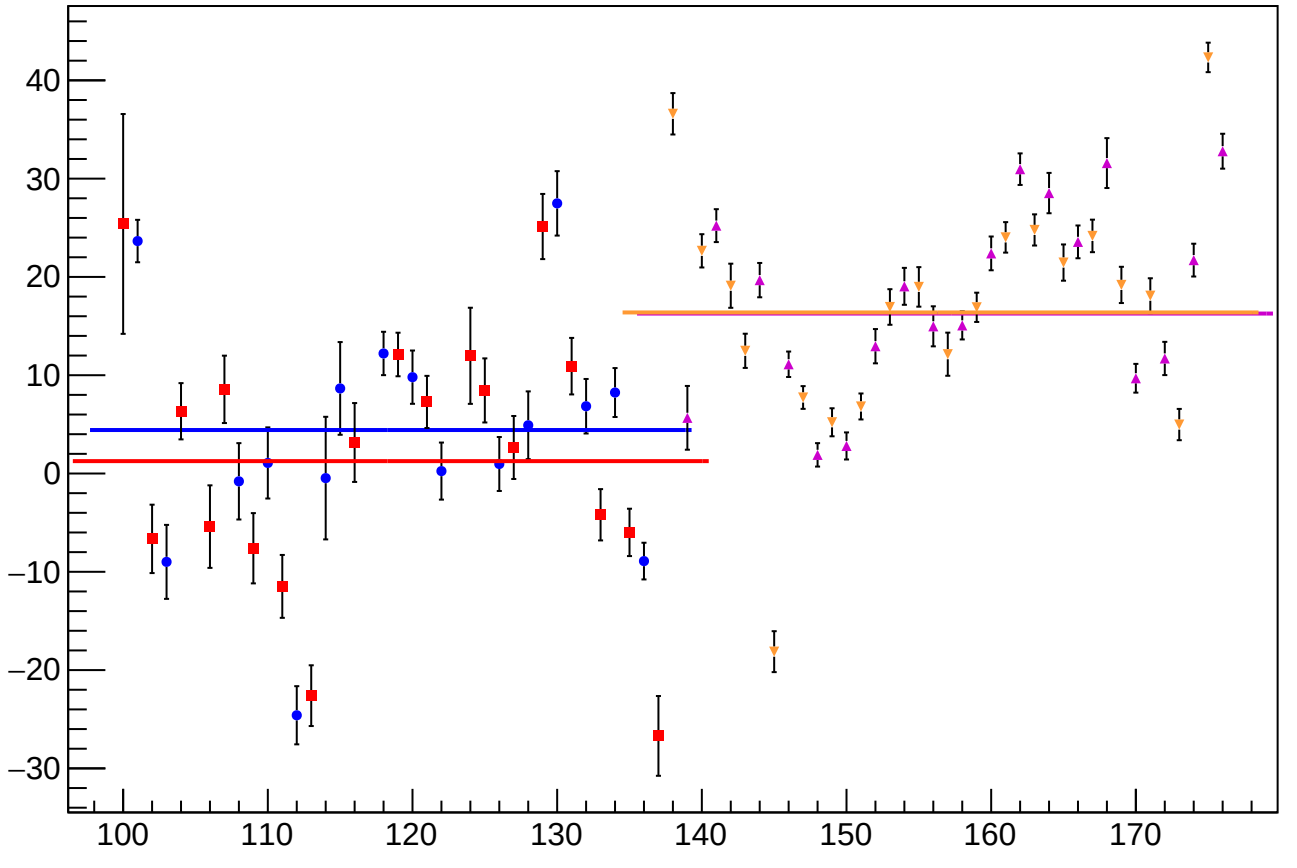
Left: 125.401+/-0.320 χ^2/NDF: 4024.3/38

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 135.012+/-0.375 χ^2/NDF:5134.4/34

Out: 135.078+/-0.376 χ^2/NDF:5692.6/38

All: 135.045+/-0.266 χ^2/NDF: 10827.0/73



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.386+/-0.371 χ^2/NDF:998.2/19

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 16.273+/-0.380 χ^2/NDF:619.2/18

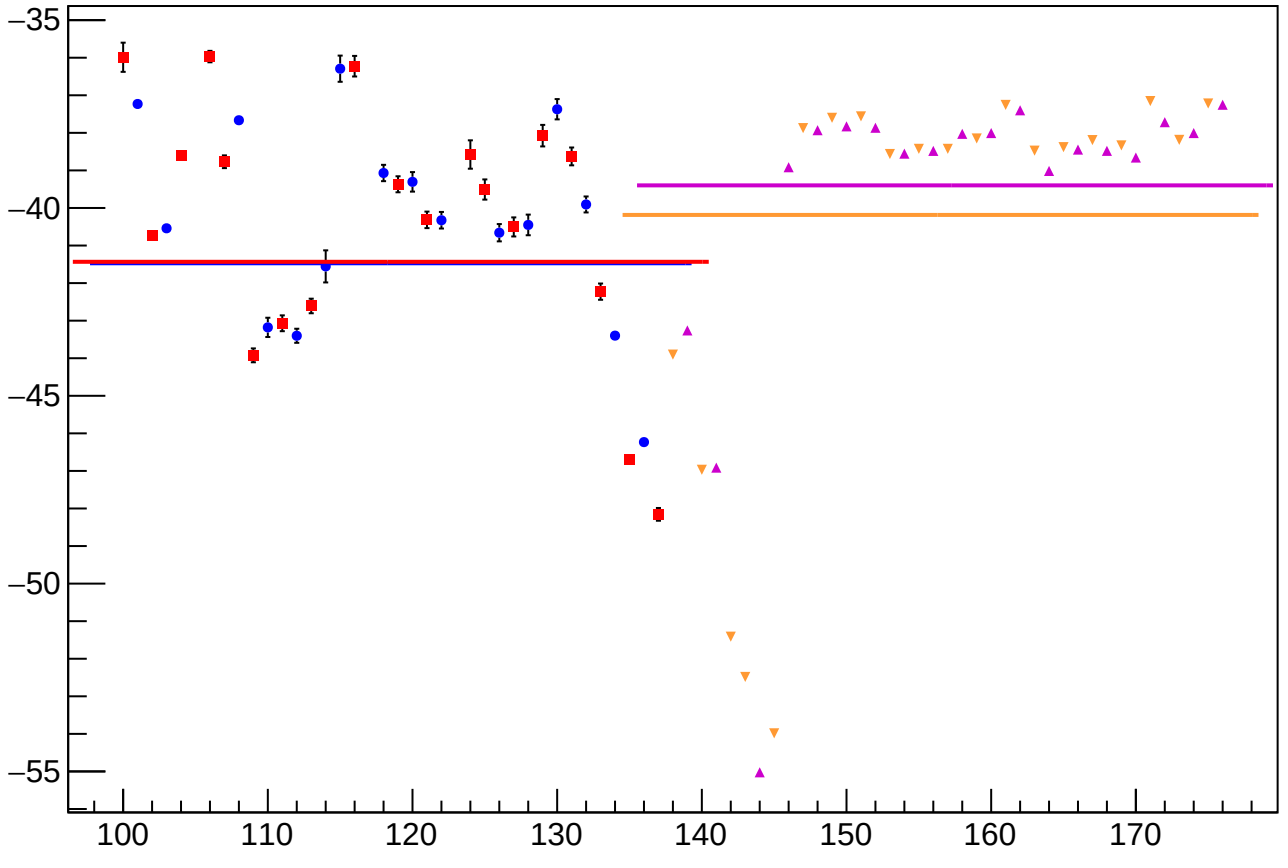
Left: 16.331+/-0.265 χ^2/NDF: 1617.4/38

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 13.657+/-0.335 χ^2/NDF:1149.9/34

Out: 13.298+/-0.331 χ^2/NDF:1603.2/38

All: 13.474+/-0.235 χ^2/NDF: 2753.7/73



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.185+/-0.017 χ^2/NDF:78338.5/19

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.398+/-0.017 χ^2/NDF:45268.5/18

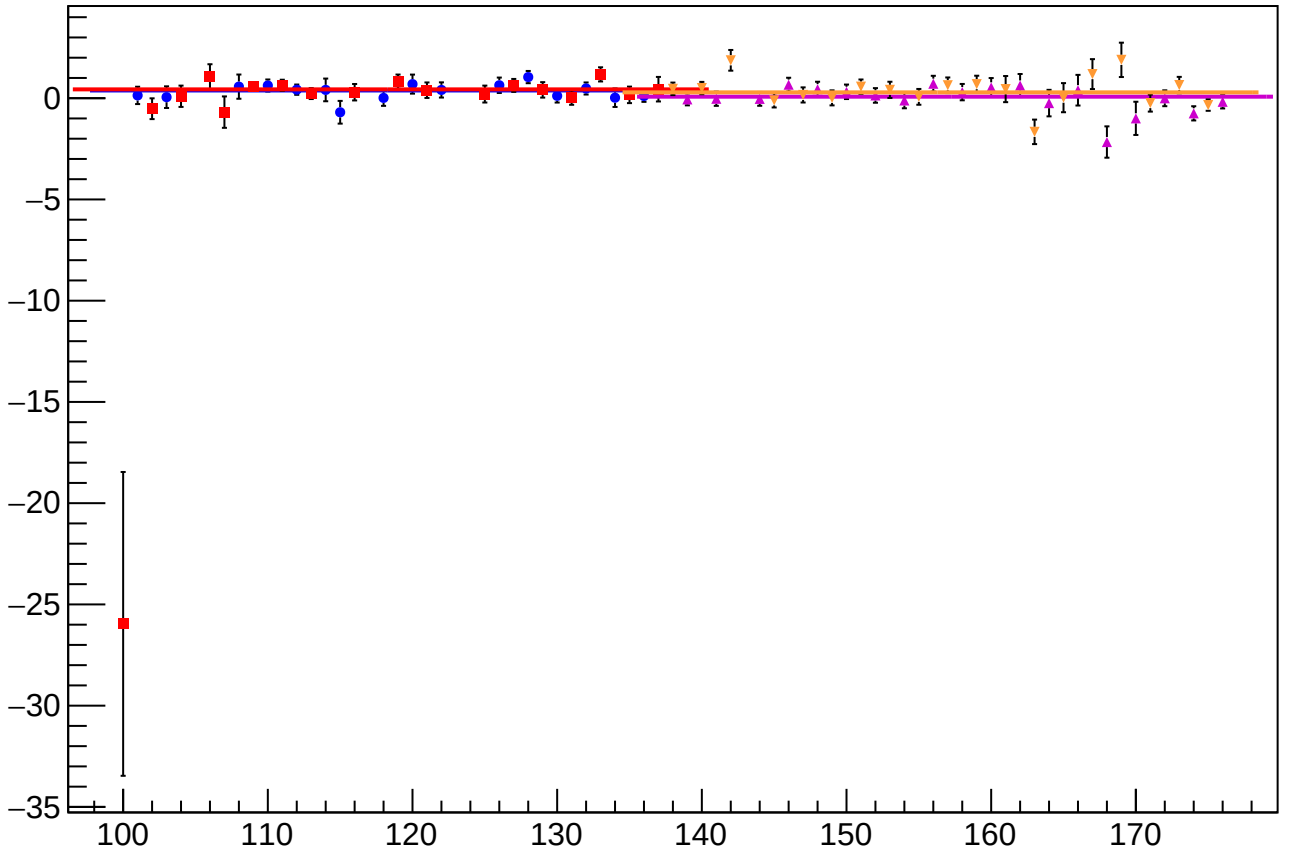
Left: -39.789+/-0.012 χ^2/NDF: 124656.8/38

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.746+/-0.016 χ^2/NDF:55643.9/34

Out: -40.384+/-0.016 χ^2/NDF:87401.9/38

All: -40.062+/-0.011 χ^2/NDF: 143871.0/73



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.289+/-0.093 χ^2/NDF:38.2/18

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.075+/-0.092 χ^2/NDF:26.7/18

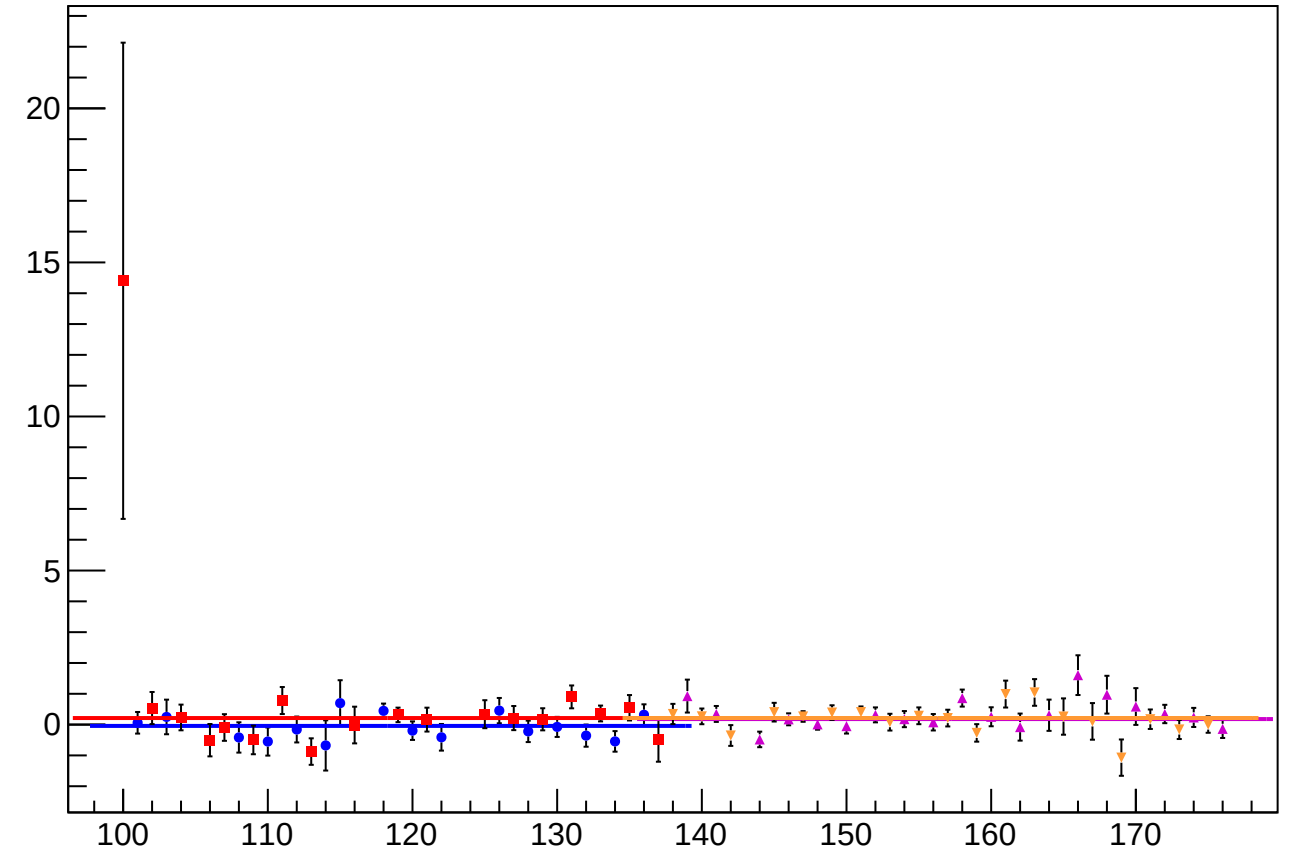
Left: 0.181+/-0.065 χ^2/NDF: 67.5/37

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.229+/-0.065 χ^2/NDF:46.2/34

Out: 0.365+/-0.065 χ^2/NDF:68.4/36

All: 0.297+/-0.046 χ^2/NDF: 116.8/71



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.214+/-0.066 χ^2/NDF:22.1/18

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.180+/-0.066 χ^2/NDF:26.6/18

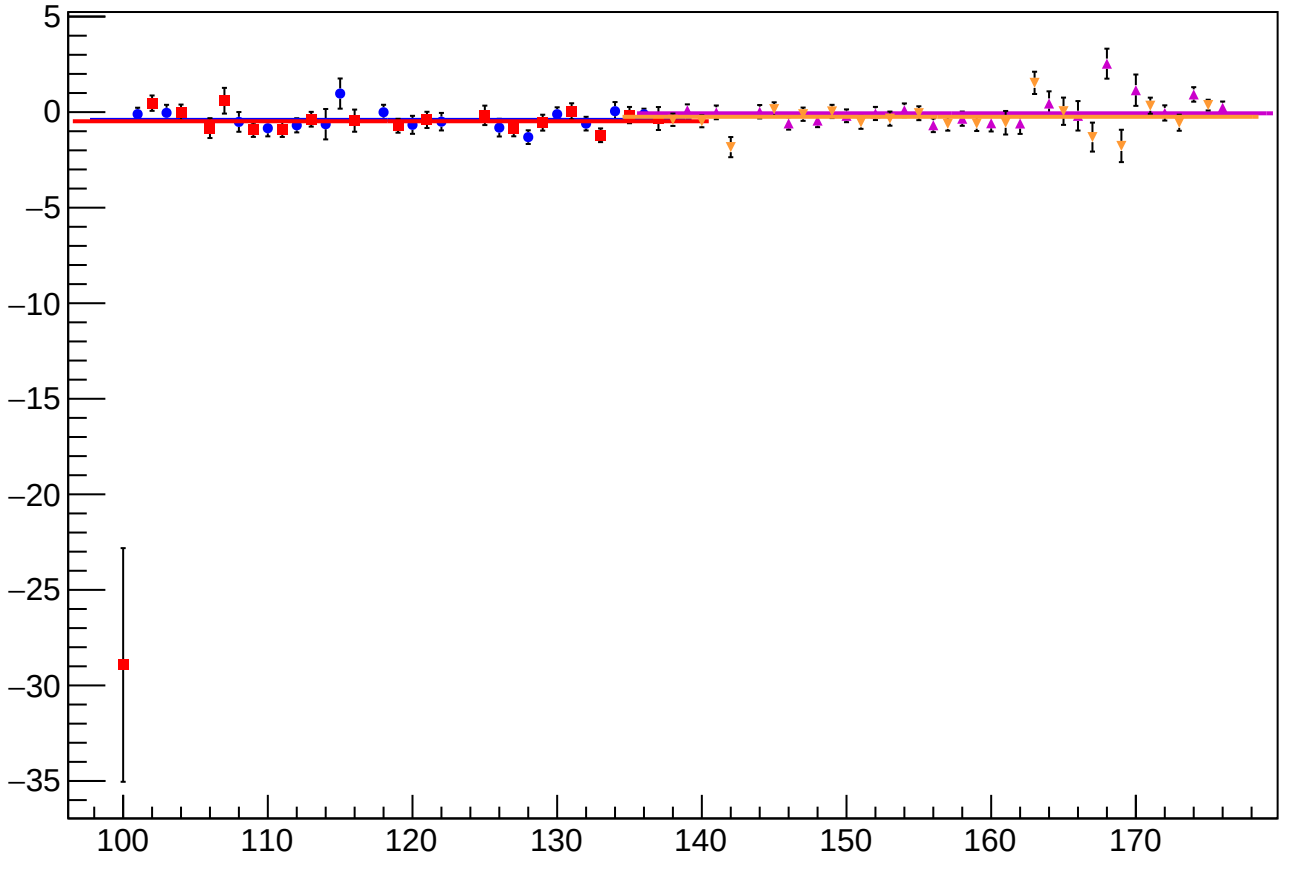
Left: 0.197+/-0.047 χ^2/NDF: 48.8/37

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.107+/-0.054 χ^2/NDF:45.4/34

Out: 0.214+/-0.054 χ^2/NDF:44.5/36

All: 0.160+/-0.038 χ^2/NDF: 91.8/71



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.245+/-0.091 χ^2/NDF:37.1/18

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.062+/-0.090 χ^2/NDF:31.9/18

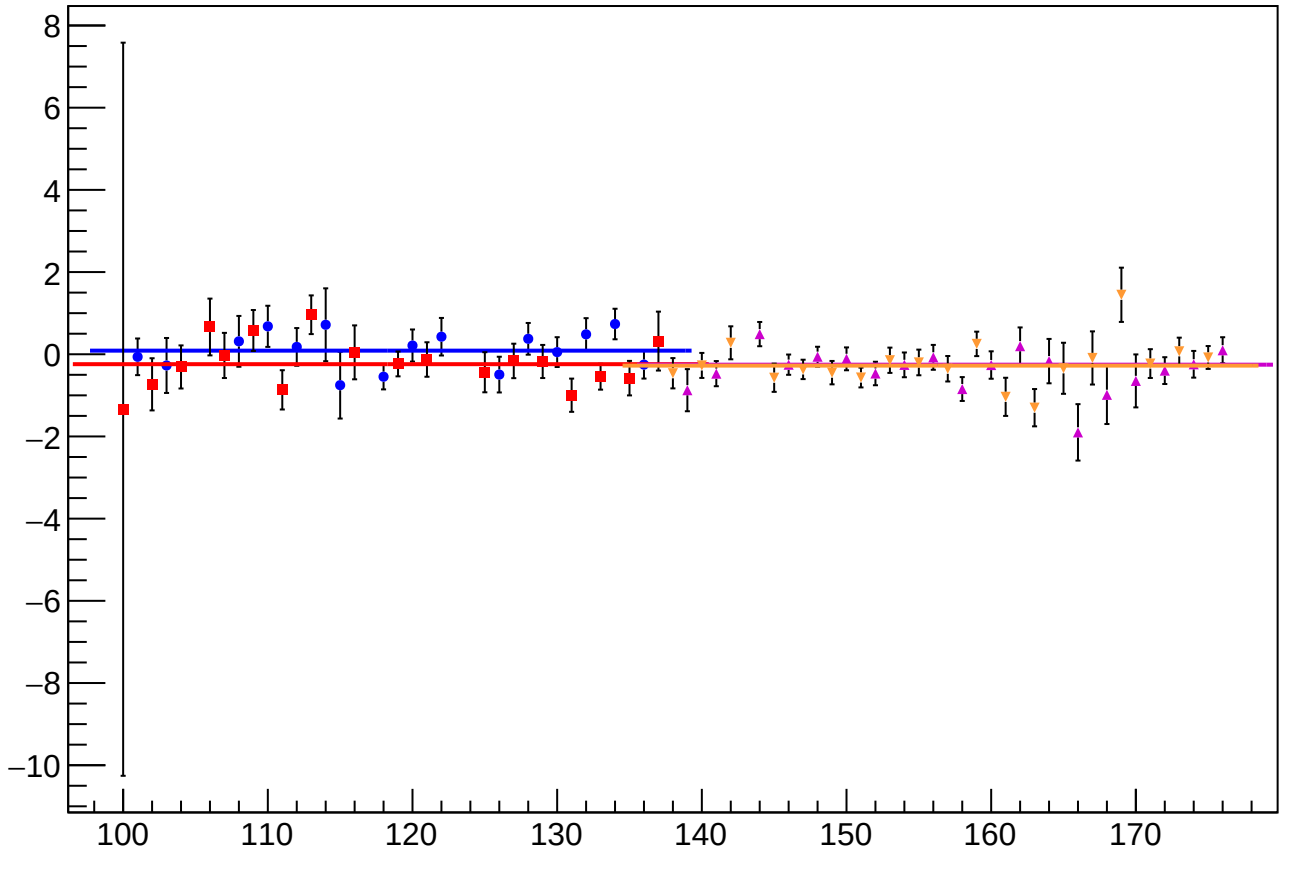
Left: -0.152+/-0.064 χ^2/NDF: 71.0/37

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.211+/-0.068 χ^2/NDF:56.0/34

Out: -0.345+/-0.069 χ^2/NDF:82.2/36

All: -0.277+/-0.048 χ^2/NDF: 140.1/71



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.276+/-0.077 χ^2/NDF:24.6/18

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.254+/-0.076 χ^2/NDF:23.9/18

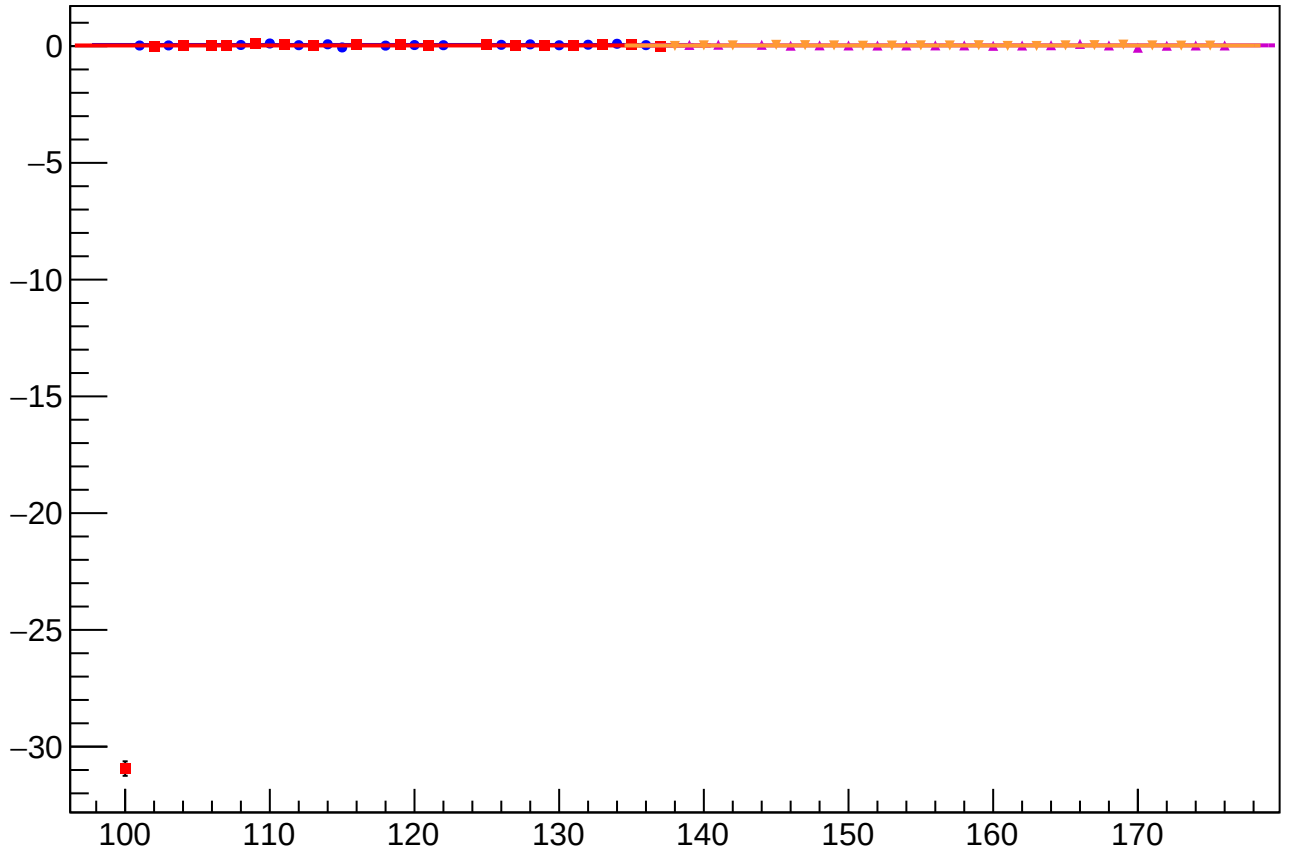
Left: -0.265+/-0.054 χ^2/NDF: 48.6/37

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.140+/-0.062 χ^2/NDF:46.4/34

Out: -0.265+/-0.063 χ^2/NDF:44.3/36

All: -0.202+/-0.044 χ^2/NDF: 92.7/71



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:12.4/18

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.032+/-0.003 χ^2/NDF:30.4/18

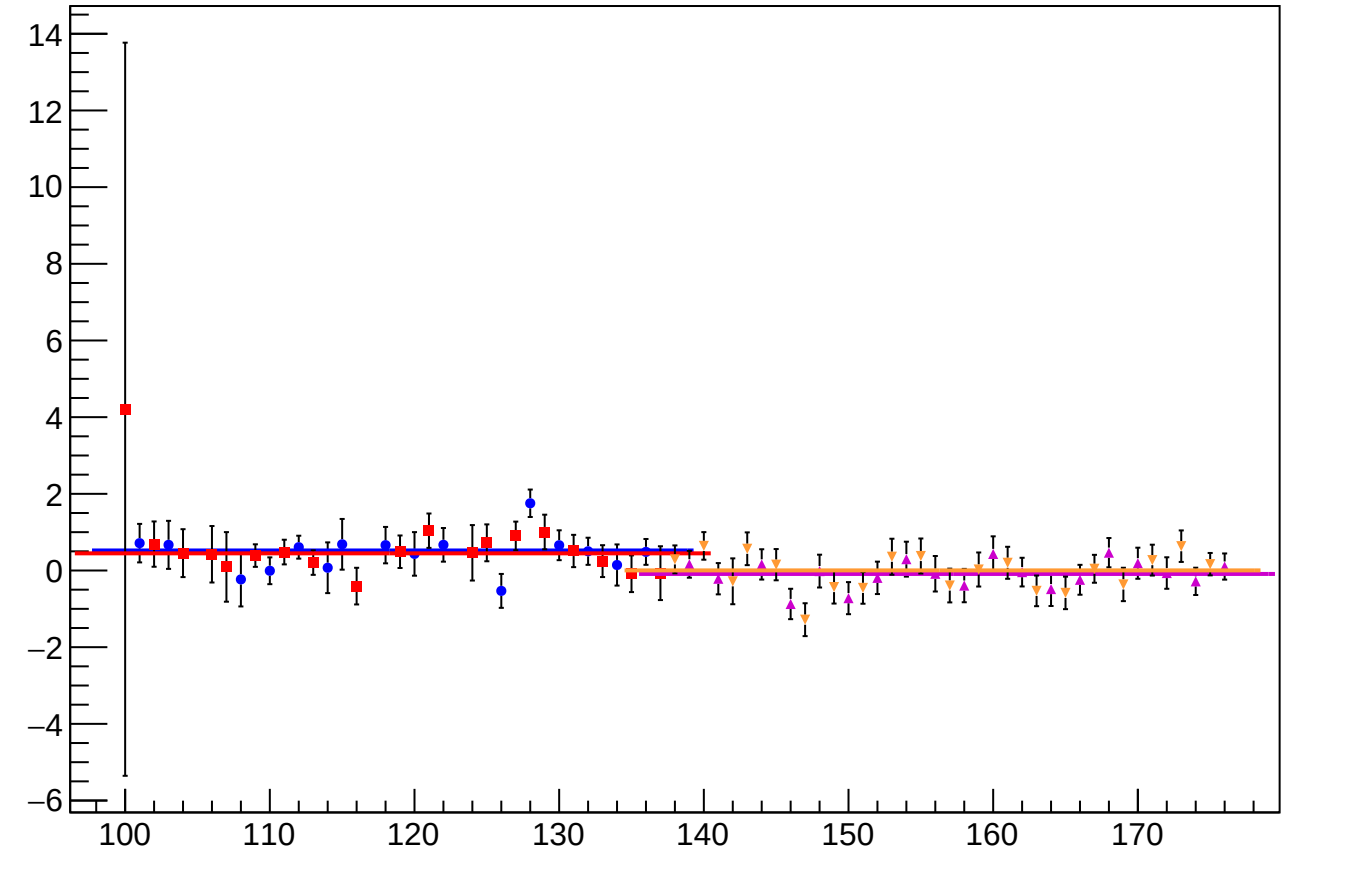
Left: 0.030+/-0.002 χ^2/NDF: 44.0/37

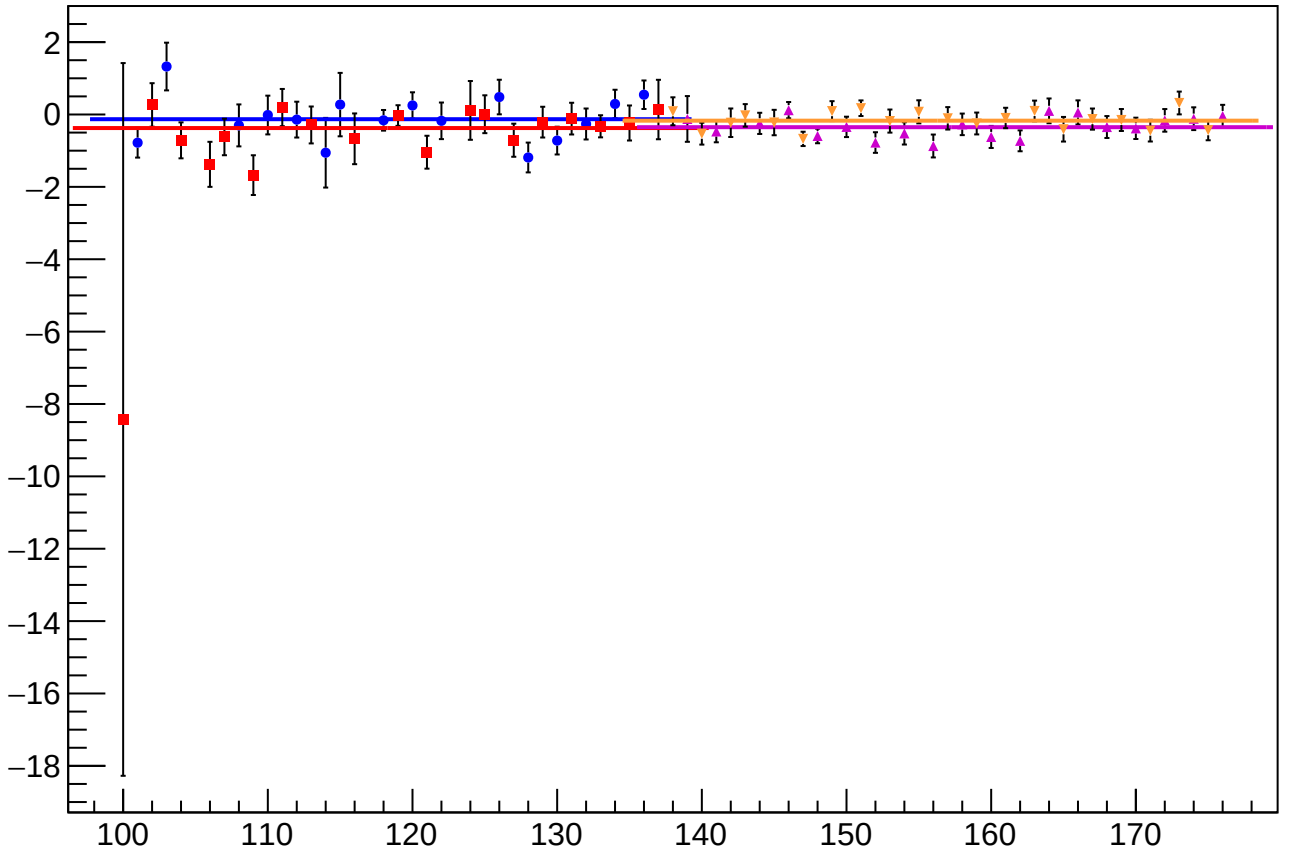
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

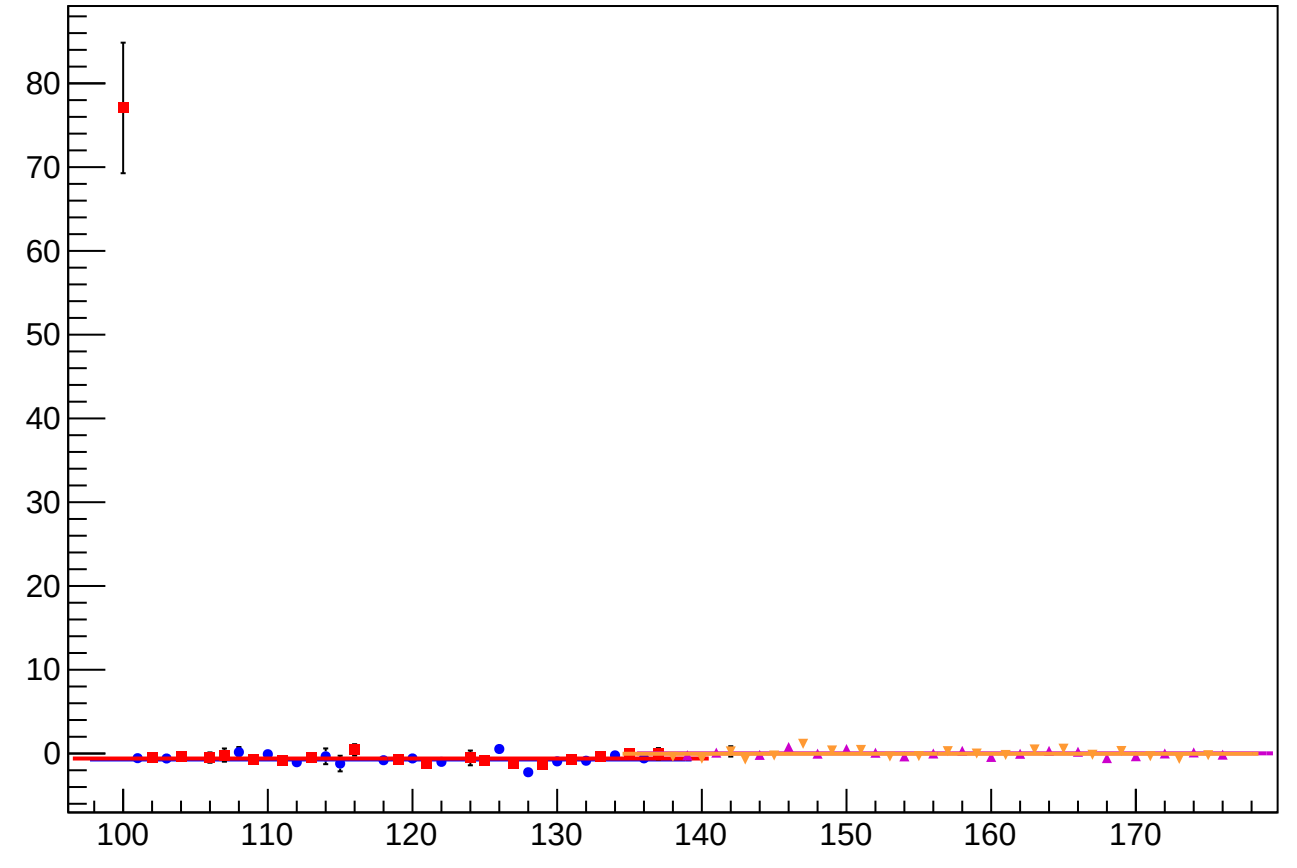
In: 0.036+/-0.003 χ^2/NDF:54.9/34

Out: 0.027+/-0.003 χ^2/NDF:10033.4/36

All: 0.032+/-0.002 χ^2/NDF: 10092.4/71


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: 0.003+/-0.091 χ²/NDF:26.9/19
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.090+/-0.092 χ²/NDF:13.9/18
Left: -0.043+/-0.065 χ²/NDF: 41.4/38
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.167+/-0.070 χ²/NDF:55.0/34
Out: 0.194+/-0.069 χ²/NDF:48.5/38
All: 0.181+/-0.049 χ²/NDF: 103.7/73


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
Right In: -0.130+/-0.112 χ²/NDF: 24.6/15
Left Out: -0.171+/-0.065 χ²/NDF:18.4/19
Right Out: -0.375+/-0.111 χ²/NDF: 18.2/18
Left In: -0.351+/-0.067 χ²/NDF:19.2/18
Left: -0.258+/-0.047 χ²/NDF: 41.3/38
Right: -0.253+/-0.079 χ²/NDF: 45.2/34
In: -0.292+/-0.058 χ²/NDF:46.6/34
Out: -0.223+/-0.056 χ²/NDF:39.1/38
All: -0.257+/-0.040 χ²/NDF: 86.5/73



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.029+/-0.090 χ^2/NDF:26.7/19

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.021+/-0.091 χ^2/NDF:12.4/18

Left: -0.004+/-0.064 χ^2/NDF: 39.3/38

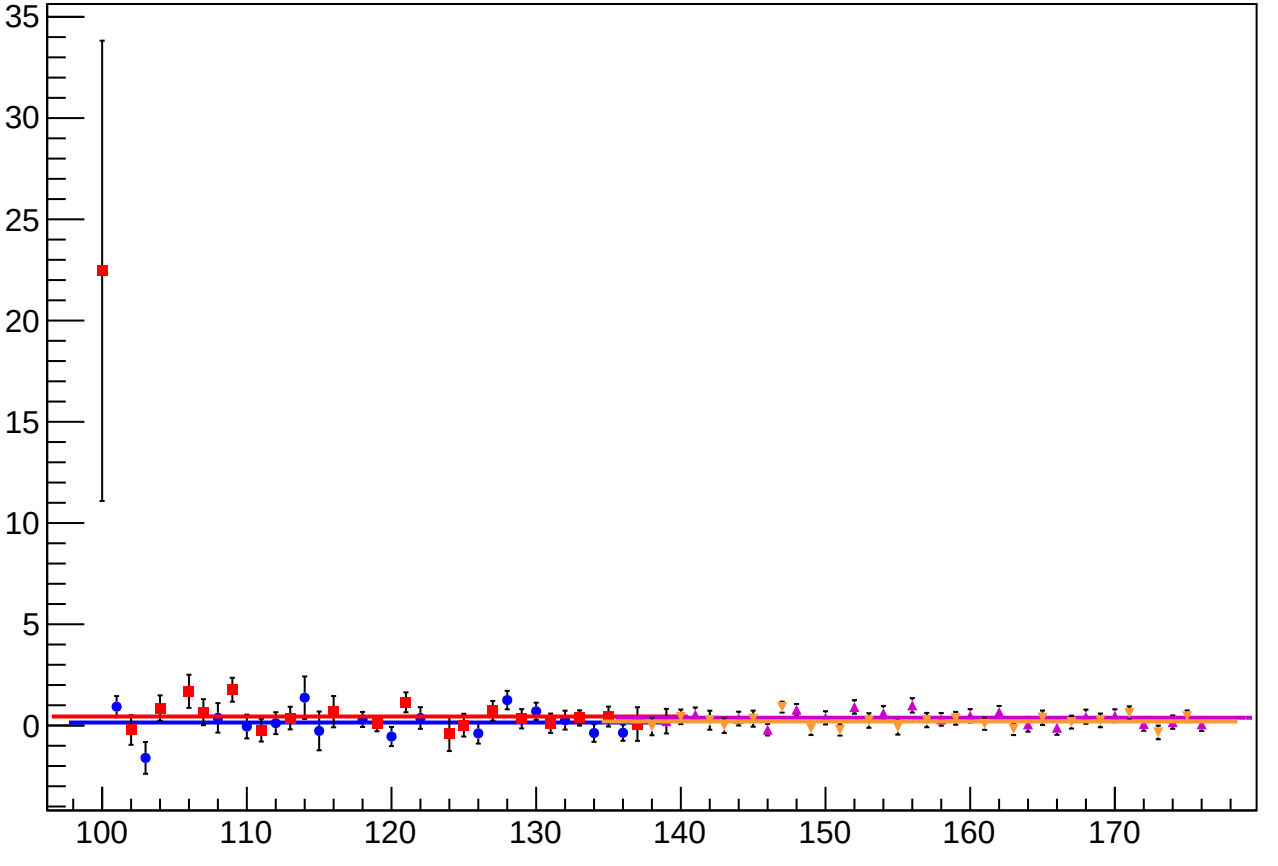
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.242+/-0.073 χ^2/NDF:60.7/34

Out: -0.229+/-0.072 χ^2/NDF:151.8/38

All: -0.236+/-0.051 χ^2/NDF: 212.5/73

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.199+/-0.075 χ^2/NDF:19.1/19

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.385+/-0.077 χ^2/NDF:18.5/18

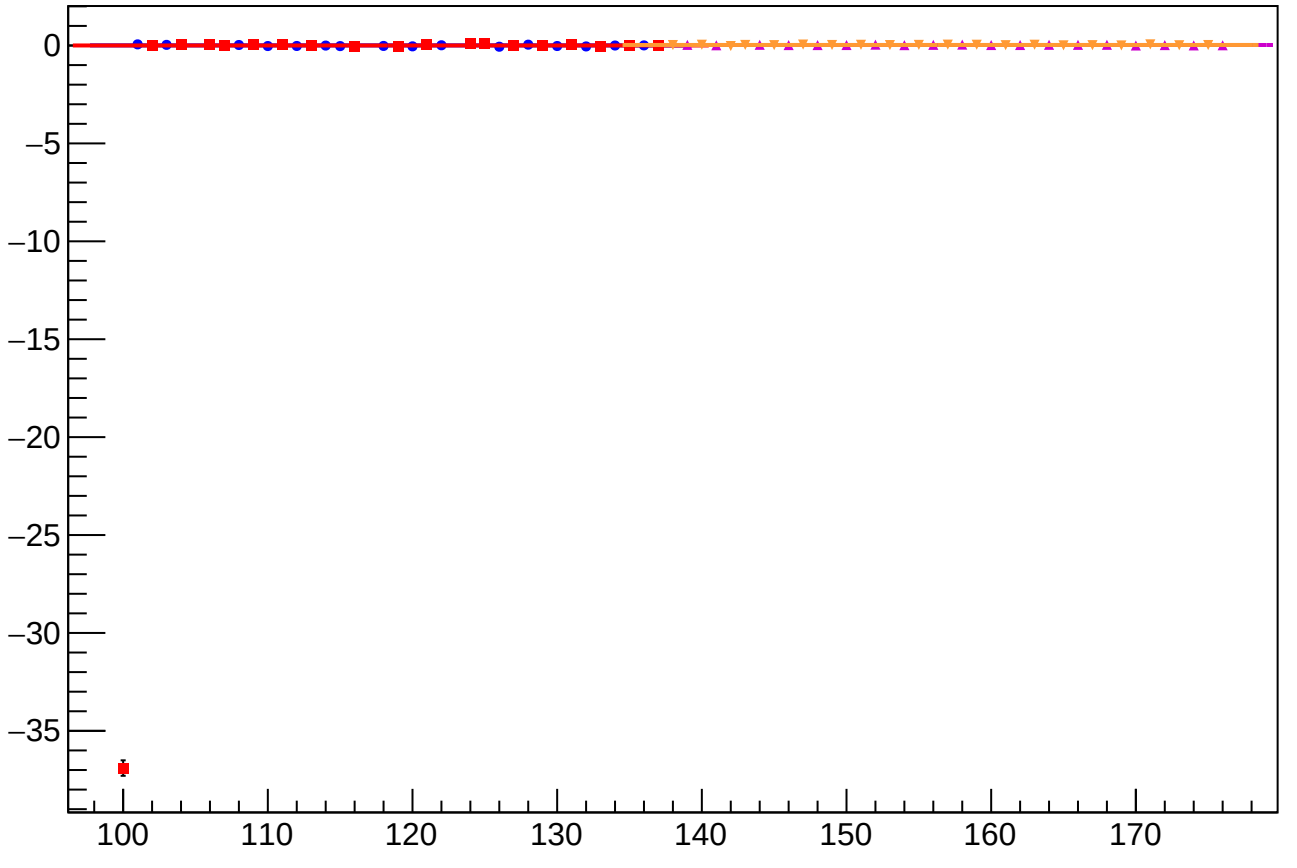
Left: 0.290+/-0.054 χ^2/NDF: 40.5/38

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.322+/-0.066 χ^2/NDF:44.2/34

Out: 0.262+/-0.065 χ^2/NDF:41.5/38

All: 0.291+/-0.046 χ^2/NDF: 86.2/73



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.003 χ^2/NDF:21.8/19

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.026+/-0.003 χ^2/NDF:14.1/18

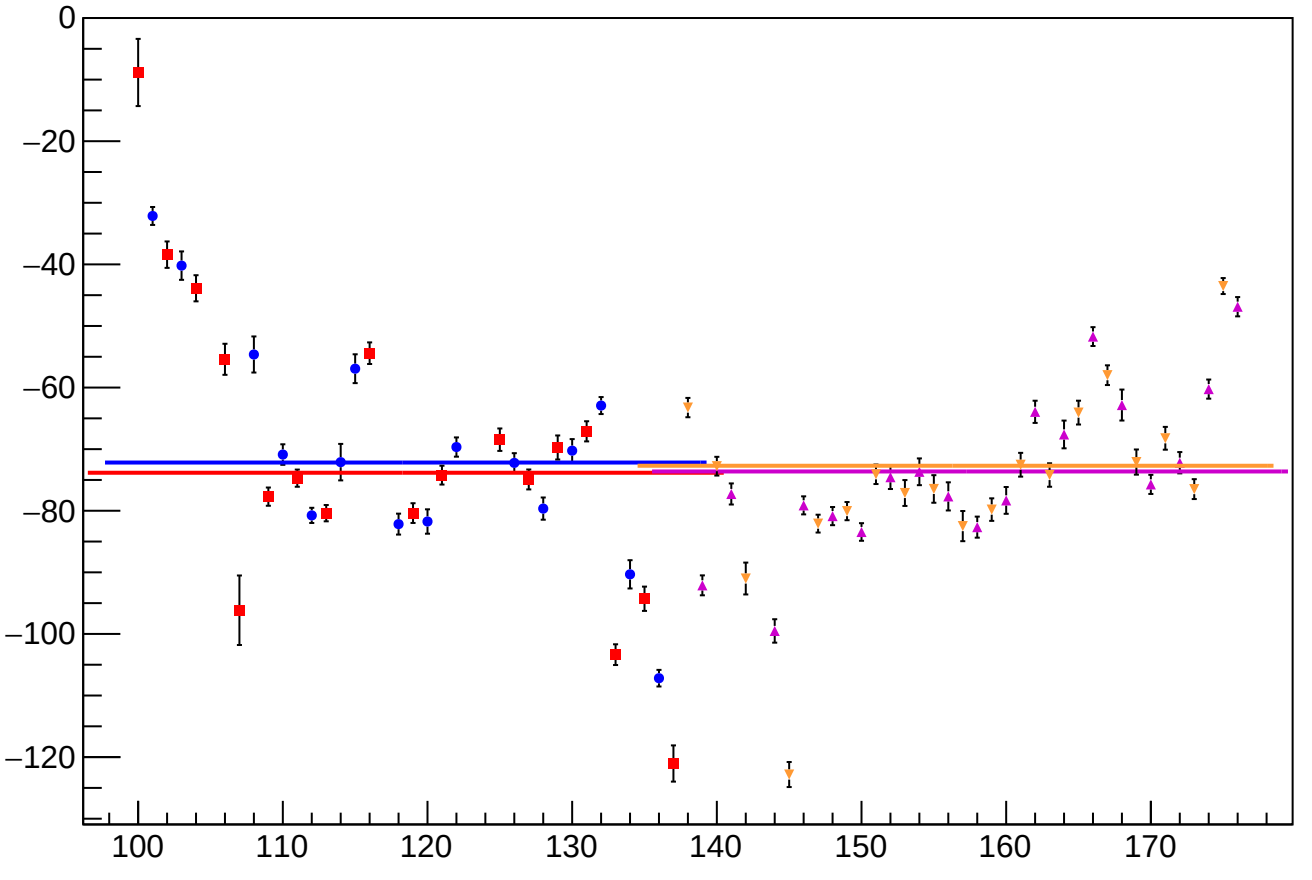
Left: 0.027+/-0.002 χ^2/NDF: 35.9/38

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.023+/-0.003 χ^2/NDF:37.7/34

Out: 0.023+/-0.003 χ^2/NDF:8784.5/38

All: 0.023+/-0.002 χ^2/NDF: 8822.2/73



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.694+/-0.403 χ^2/NDF:1423.3/18

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -73.623+/-0.398 χ^2/NDF:1069.8/18

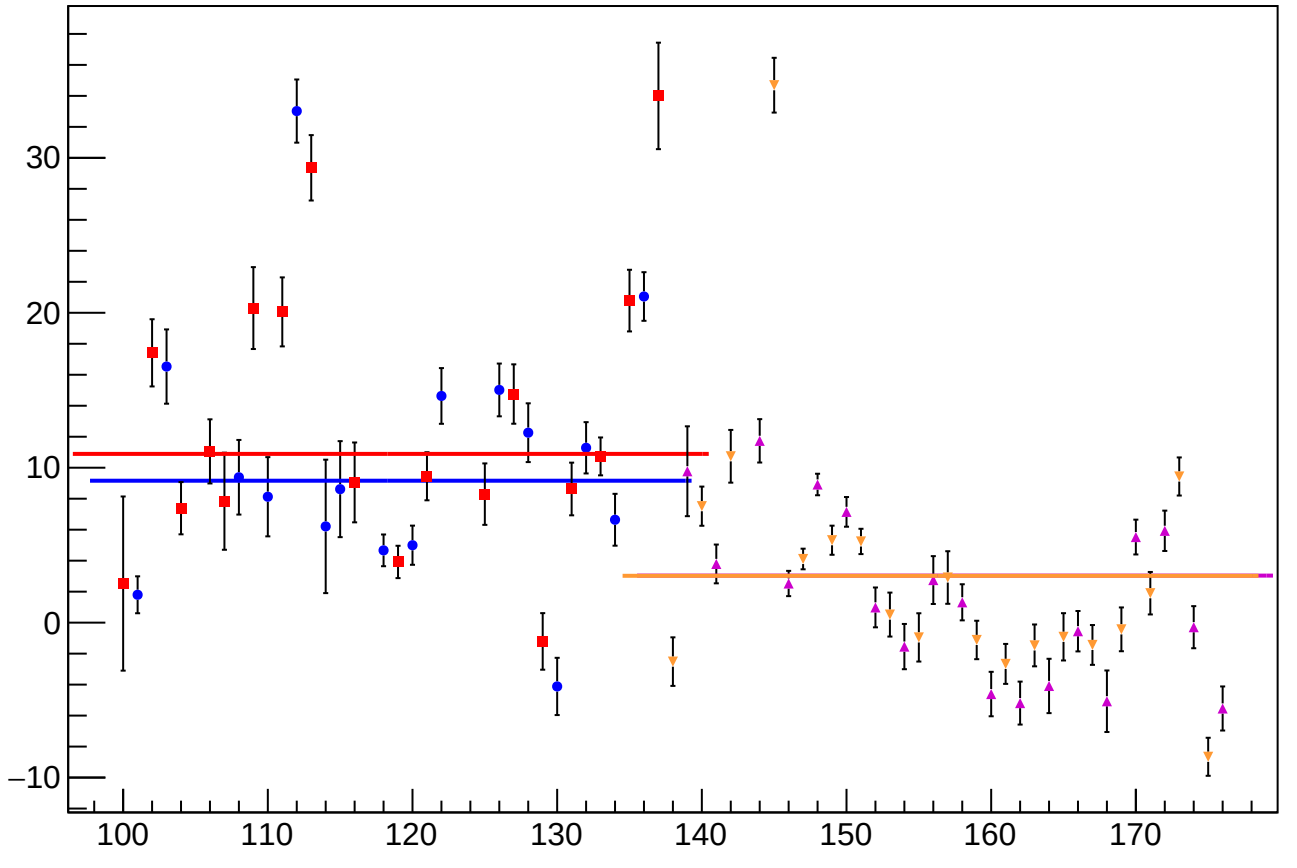
Left: -73.164+/-0.283 χ^2/NDF: 2495.8/37

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

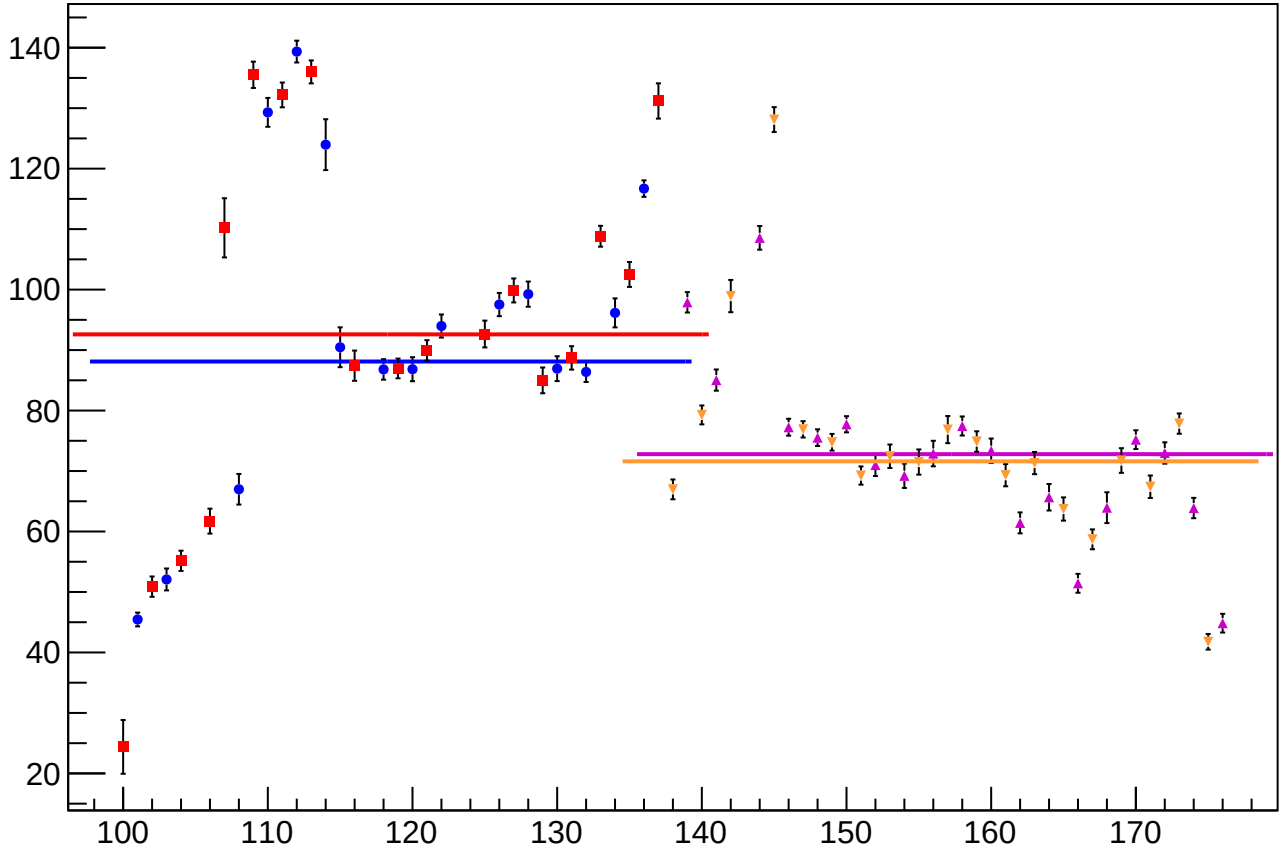
In: -72.957+/-0.293 χ^2/NDF:3011.8/34

Out: -73.224+/-0.294 χ^2/NDF:2984.7/36

All: -73.090+/-0.207 χ^2/NDF: 5997.0/71


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.023+/-0.277 χ²/NDF:577.0/18
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.036+/-0.280 χ²/NDF:306.0/18
Left: 3.029+/-0.197 χ²/NDF: 883.0/37
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 4.890+/-0.234 χ²/NDF:802.9/34
Out: 5.256+/-0.234 χ²/NDF:1096.1/36
All: 5.072+/-0.166 χ²/NDF: 1900.3/71

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: 71.604+/-0.394 χ^2/NDF:1554.8/18

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 72.790+/-0.390 χ^2/NDF:1254.9/18

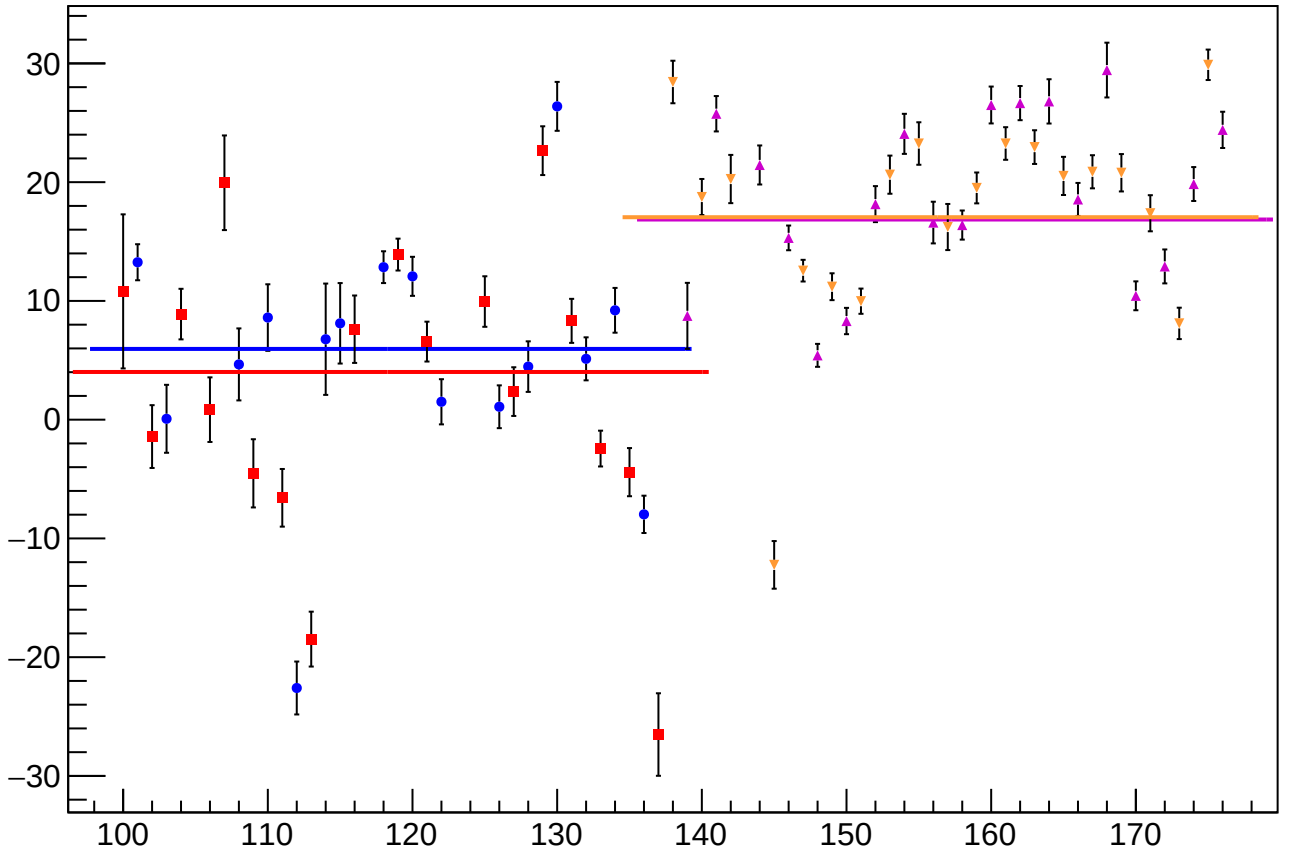
Left: 72.203+/-0.277 χ^2/NDF: 2814.2/37

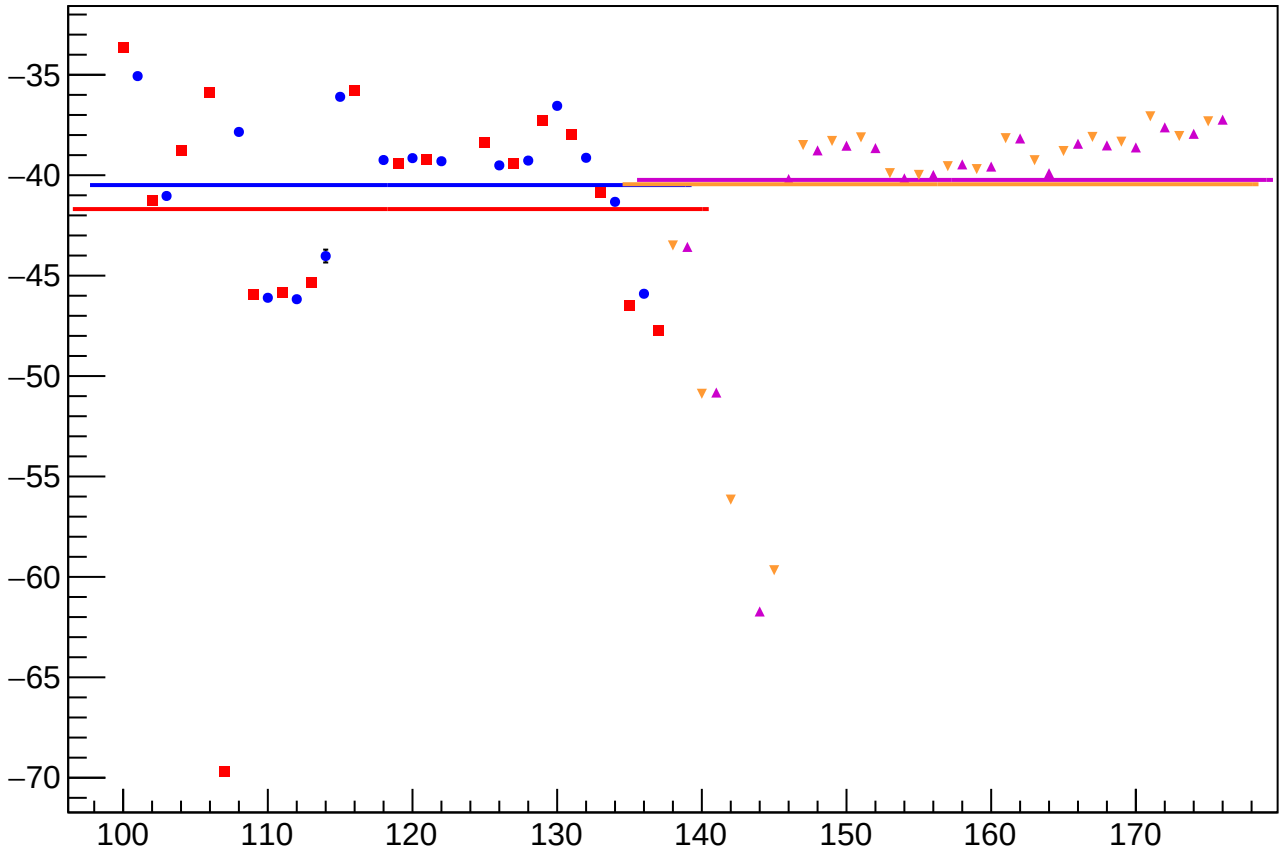
Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 79.065+/-0.300 χ^2/NDF:5447.5/34

Out: 79.995+/-0.305 χ^2/NDF:5899.0/36

All: 79.521+/-0.214 χ^2/NDF: 11351.3/71


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 5.958+/-0.495 χ²/NDF: 426.8/15
Left Out: 17.049+/-0.323 χ²/NDF:575.1/18
Right Out: 4.017+/-0.510 χ²/NDF: 417.7/17
Left In: 16.855+/-0.324 χ²/NDF:482.2/18
Left: 16.952+/-0.229 χ²/NDF: 1057.5/37
Right: 5.016+/-0.355 χ²/NDF: 851.9/33
In: 13.580+/-0.271 χ²/NDF:1248.4/34
Out: 13.320+/-0.273 χ²/NDF:1459.6/36
All: 13.451+/-0.192 χ²/NDF: 2708.5/71



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.449+/-0.015 χ^2/NDF:117215.1/18

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.233+/-0.015 χ^2/NDF:95640.8/18

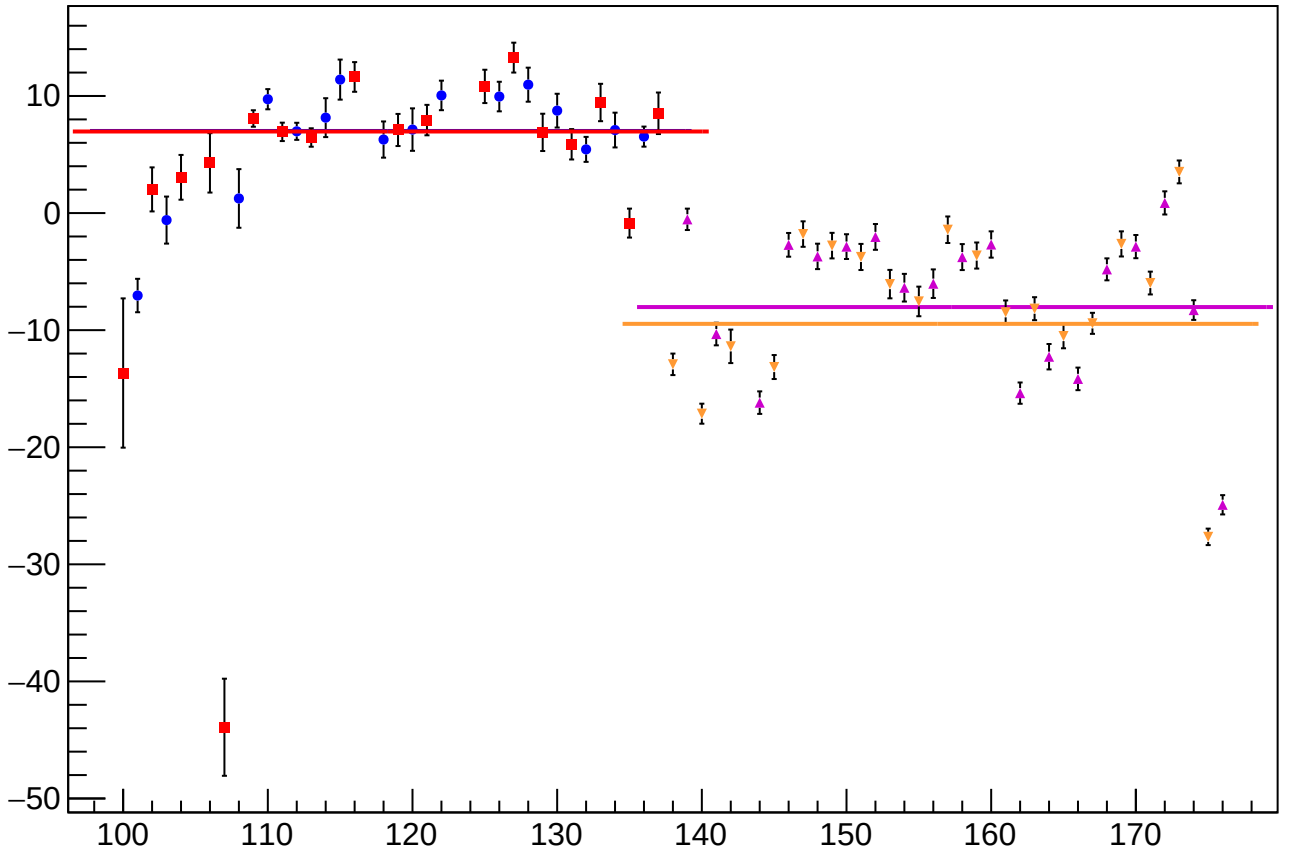
Left: -40.338+/-0.011 χ^2/NDF: 212960.9/37

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.288+/-0.013 χ^2/NDF:113831.4/34

Out: -40.709+/-0.013 χ^2/NDF:155465.0/36

All: -40.492+/-0.009 χ^2/NDF: 269803.3/71



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.462+/-0.232 χ^2/NDF:1212.0/18

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -8.028+/-0.229 χ^2/NDF:944.2/18

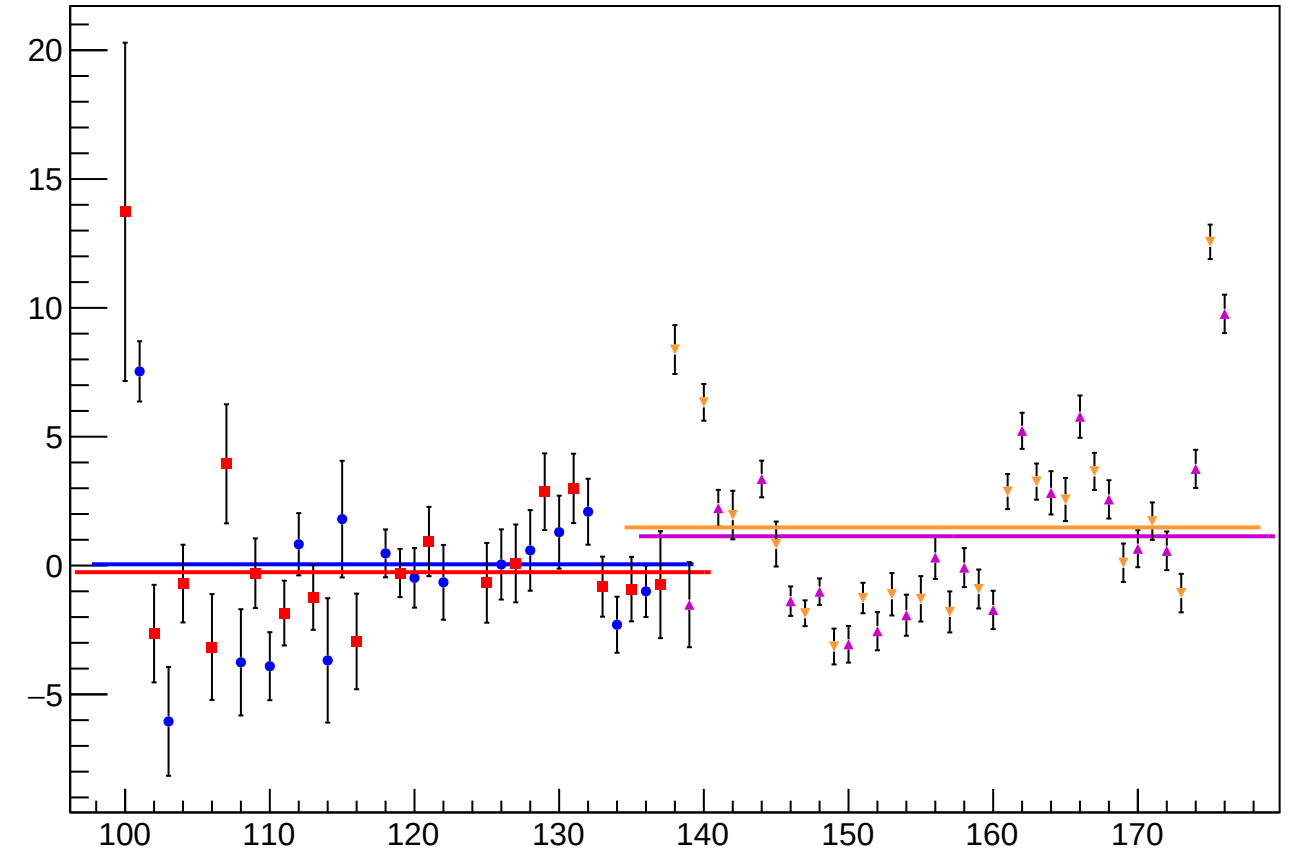
Left: -8.734+/-0.163 χ^2/NDF: 2175.6/37

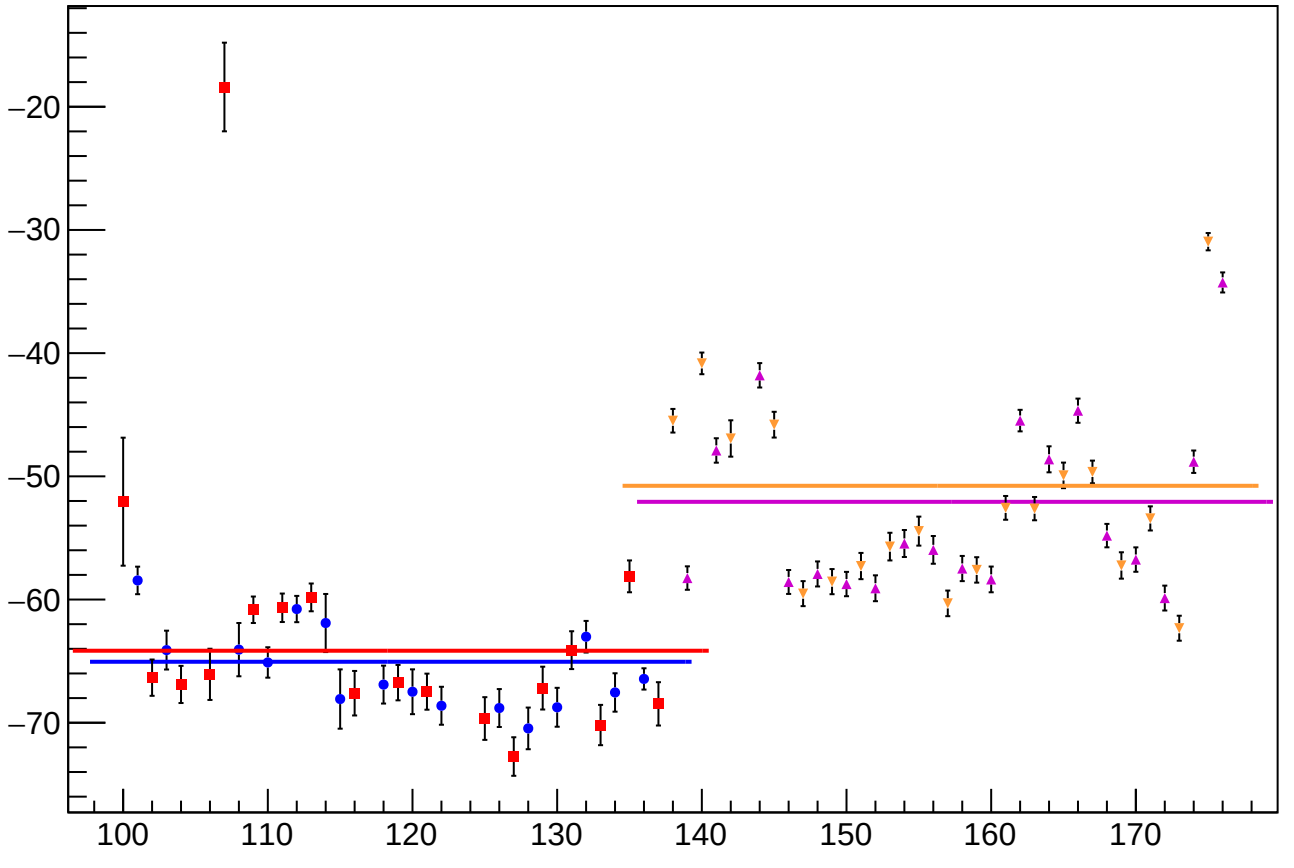
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

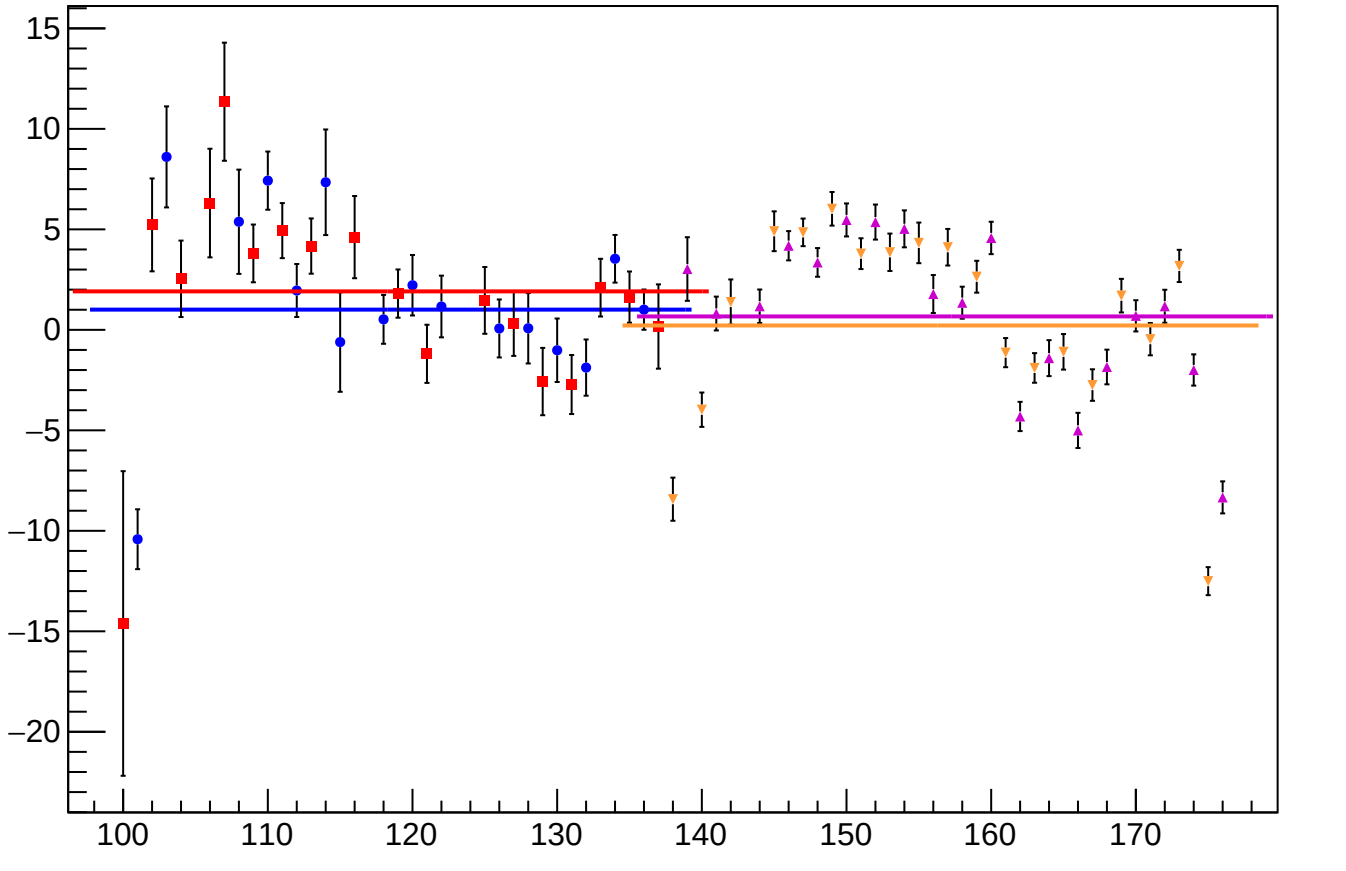
In: -2.704+/-0.184 χ^2/NDF:2628.1/34

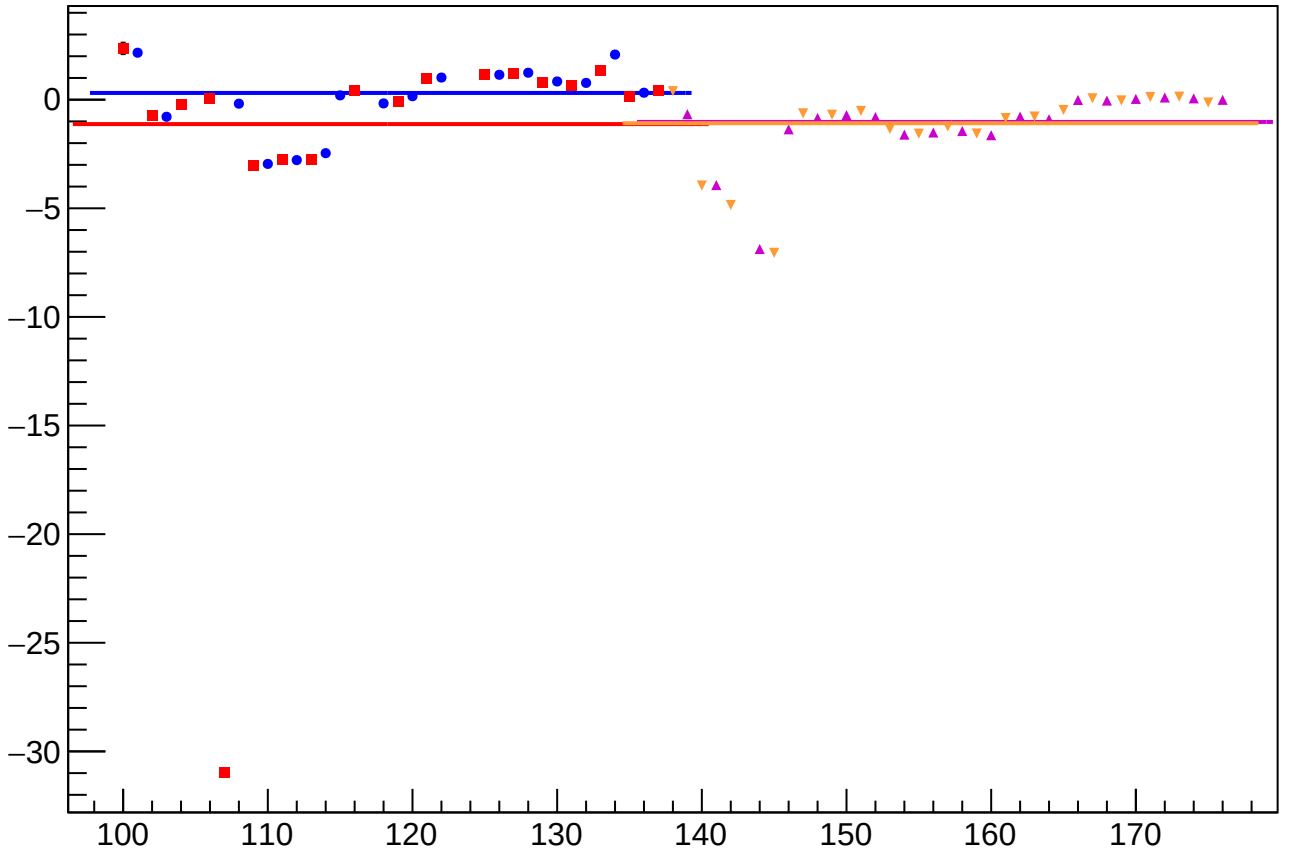
Out: -3.257+/-0.183 χ^2/NDF:3367.2/36

All: -2.981+/-0.130 χ^2/NDF: 5999.8/71


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 1.480+/-0.167 χ²/NDF:567.6/18
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 1.136+/-0.168 χ²/NDF:366.1/18
Left: 1.308+/-0.118 χ²/NDF: 935.8/37
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.915+/-0.149 χ²/NDF:449.7/34
Out: 1.148+/-0.150 χ²/NDF:615.7/36
All: 1.031+/-0.106 χ²/NDF: 1066.6/71


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: -50.767+/-0.228 χ²/NDF:1493.3/18
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -52.069+/-0.226 χ²/NDF:1127.4/18
Left: -51.426+/-0.161 χ²/NDF: 2637.1/37
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -55.817+/-0.190 χ²/NDF:2176.8/34
Out: -54.604+/-0.193 χ²/NDF:2781.3/36
All: -55.219+/-0.135 χ²/NDF: 4978.1/71


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 0.217+/-0.191 χ²/NDF:666.3/18
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 0.668+/-0.191 χ²/NDF:393.9/18
Left: 0.443+/-0.135 χ²/NDF: 1063.0/37
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 0.737+/-0.170 χ²/NDF:503.8/34
Out: 0.545+/-0.171 χ²/NDF:736.1/36
All: 0.642+/-0.121 χ²/NDF: 1240.5/71



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.084+/-0.009 χ^2/NDF:38186.3/18

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.024+/-0.008 χ^2/NDF:29518.9/18

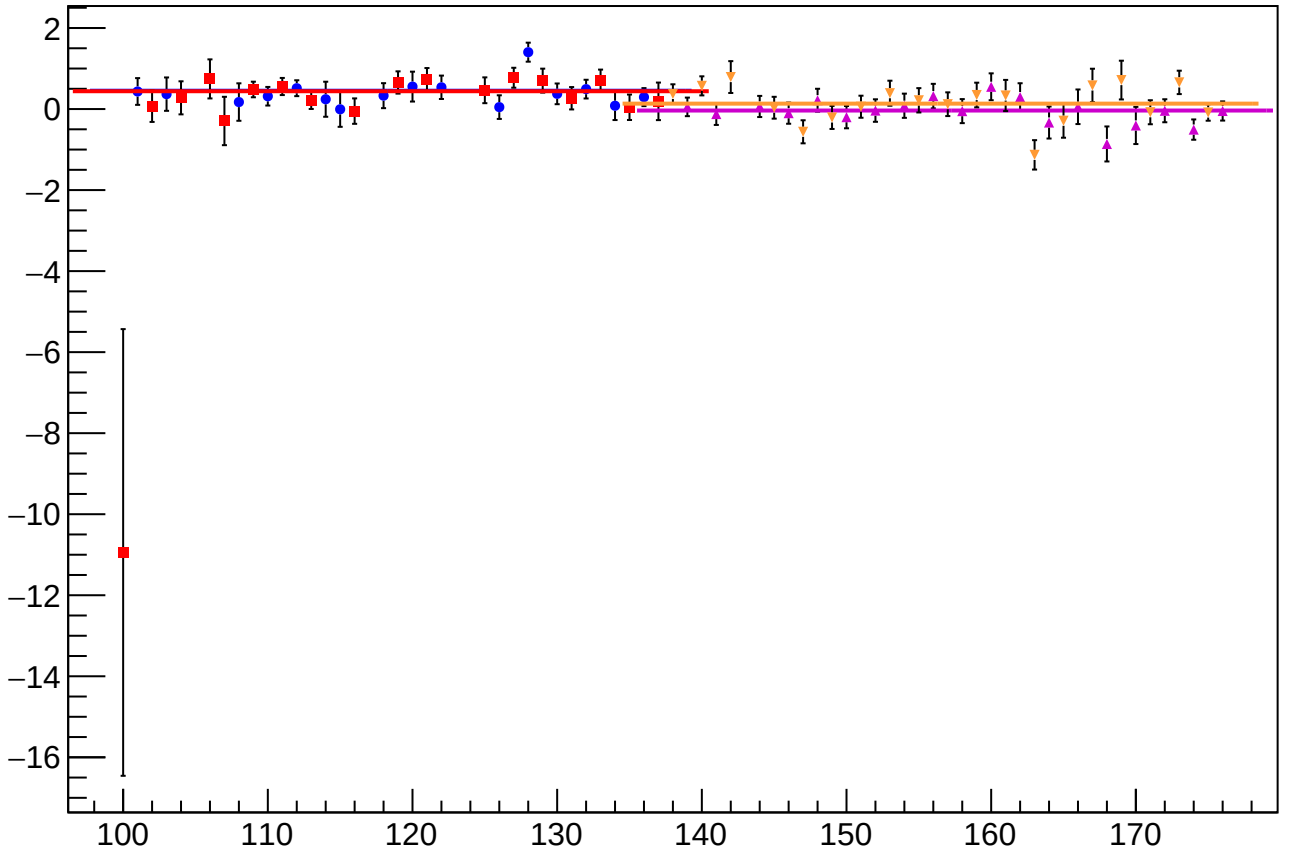
Left: -1.053+/-0.006 χ^2/NDF: 67730.2/37

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.842+/-0.008 χ^2/NDF:37833.1/34

Out: -1.089+/-0.008 χ^2/NDF:84537.0/36

All: -0.962+/-0.006 χ^2/NDF: 122858.5/71



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.134+/-0.068 χ^2/NDF:37.2/18

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.037+/-0.067 χ^2/NDF:15.7/18

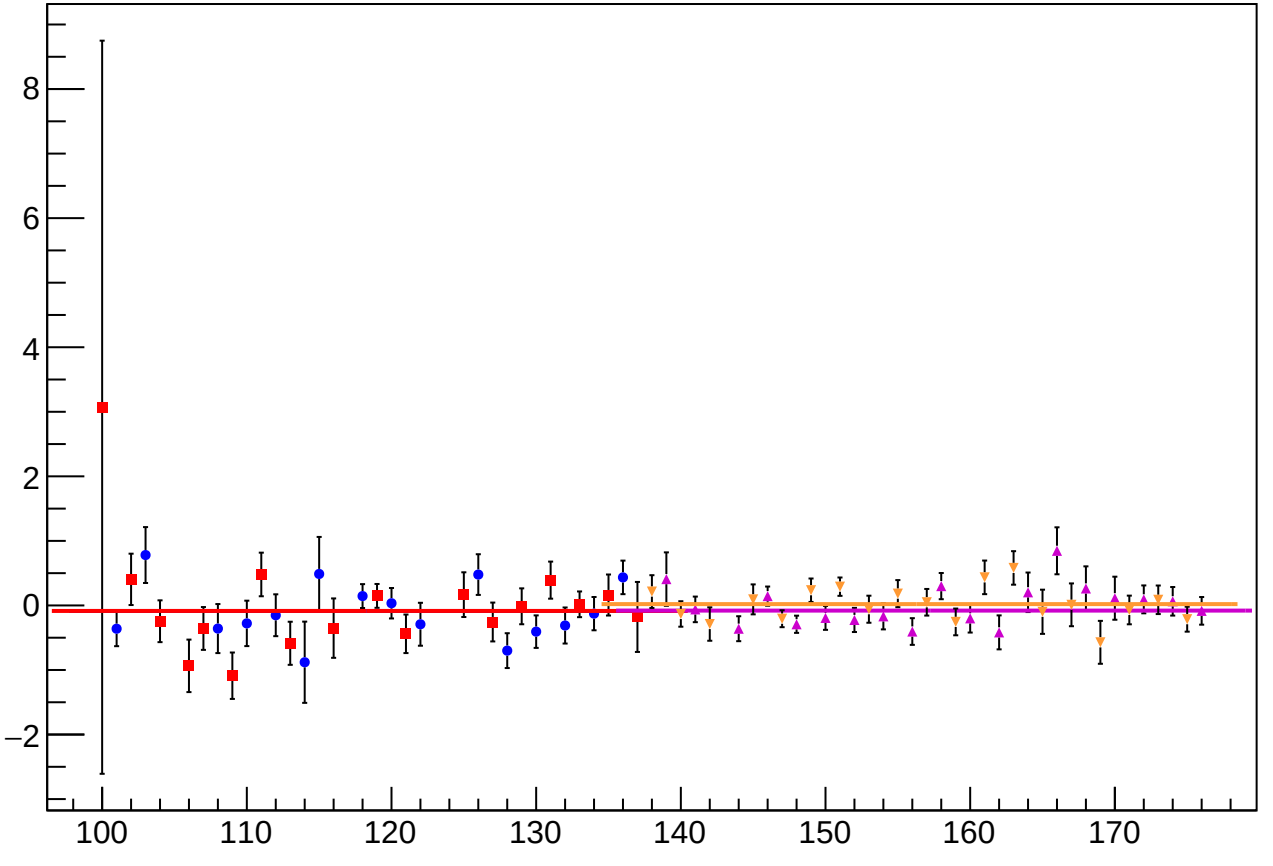
Left: 0.048+/-0.048 χ^2/NDF: 56.0/37

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.194+/-0.049 χ^2/NDF:63.2/34

Out: 0.283+/-0.049 χ^2/NDF:65.7/36

All: 0.239+/-0.035 χ^2/NDF: 130.5/71



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.020+/-0.048 χ^2/NDF:25.4/18

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.080+/-0.049 χ^2/NDF:27.1/18

Left: -0.029+/-0.034 χ^2/NDF: 54.7/37

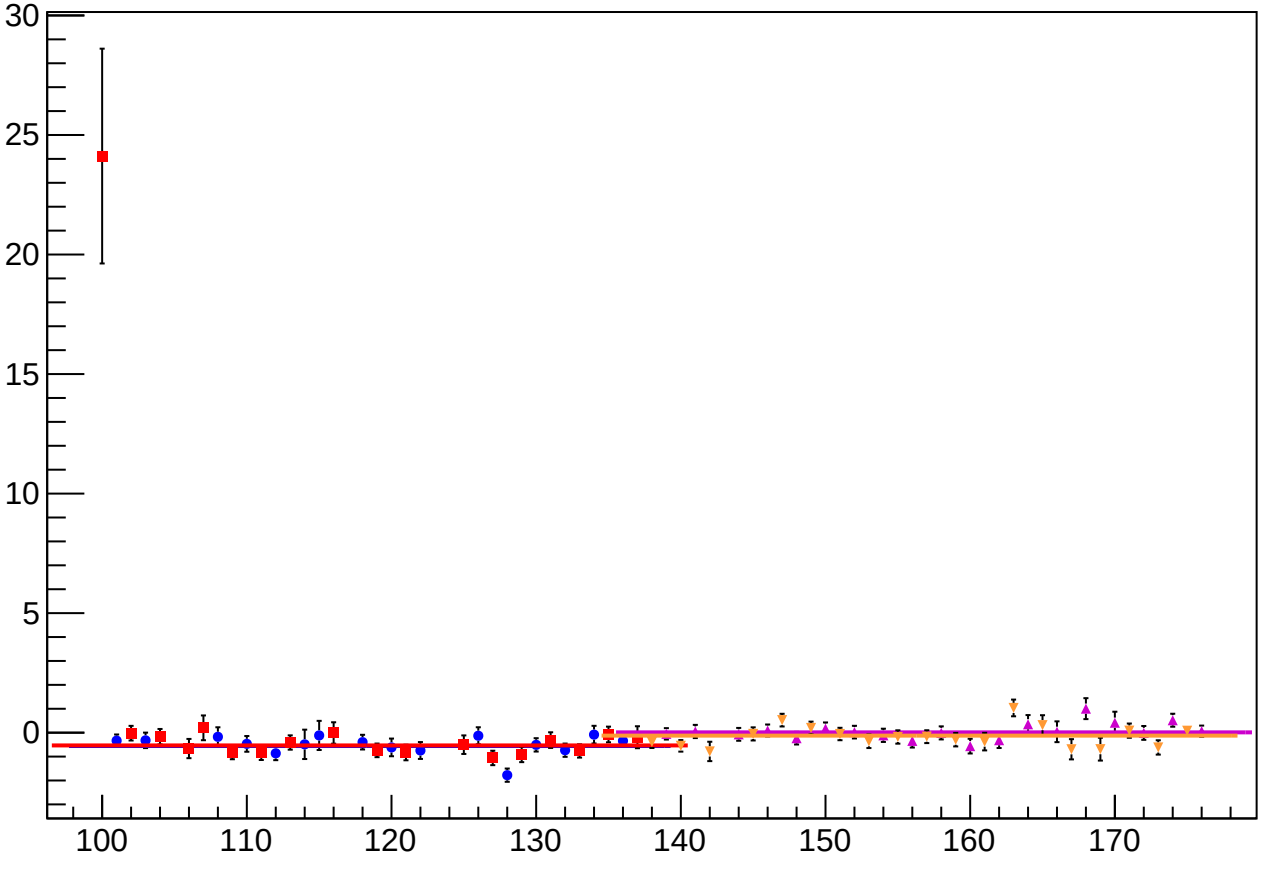
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.082+/-0.040 χ^2/NDF:52.5/34

Out: -0.011+/-0.040 χ^2/NDF:54.8/36

All: -0.047+/-0.029 χ^2/NDF: 108.8/71

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.123+/-0.067 χ^2/NDF:35.6/18

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.013+/-0.066 χ^2/NDF:18.1/18

Left: -0.055+/-0.047 χ^2/NDF: 55.8/37

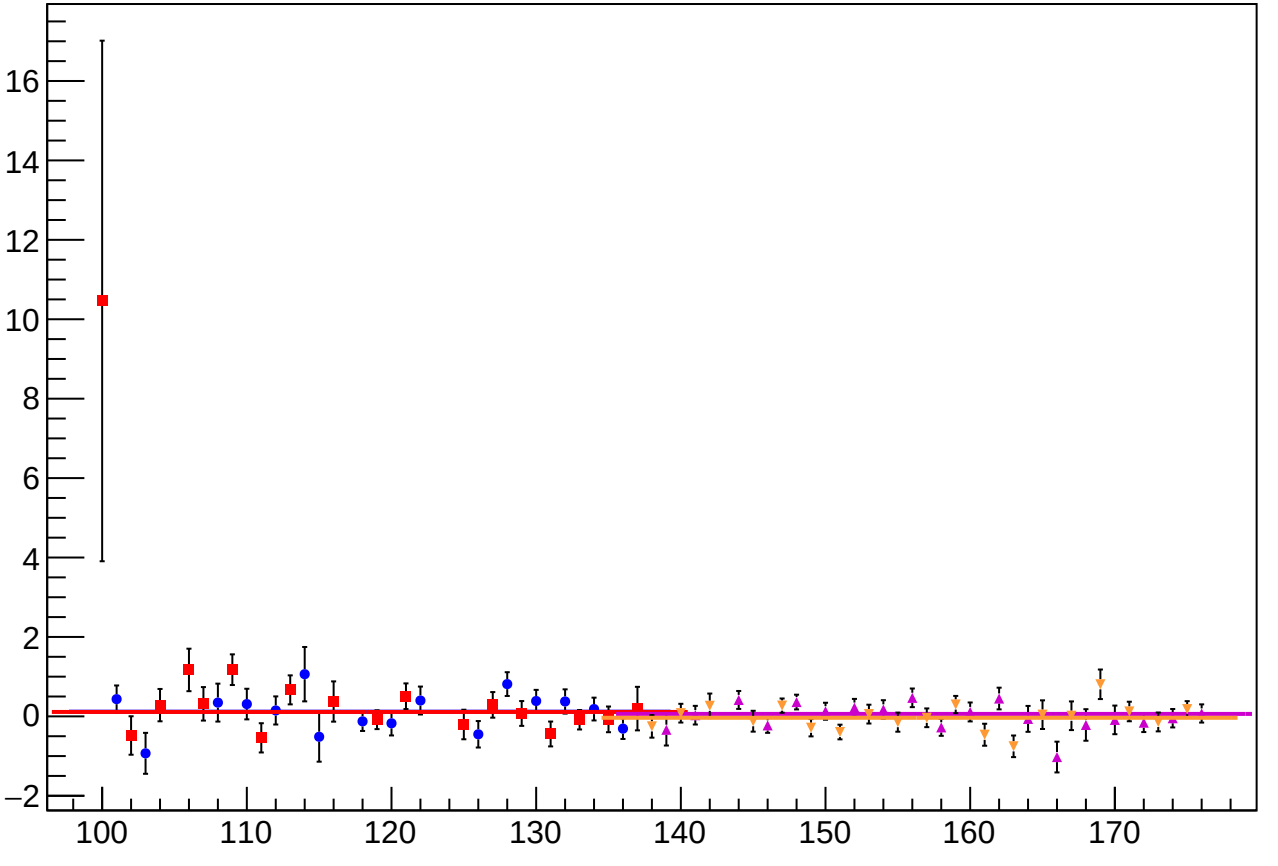
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.220+/-0.051 χ^2/NDF:76.8/34

Out: -0.290+/-0.051 χ^2/NDF:100.1/36

All: -0.255+/-0.036 χ^2/NDF: 177.9/71

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.056 χ^2/NDF:28.9/18

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.062+/-0.056 χ^2/NDF:26.6/18

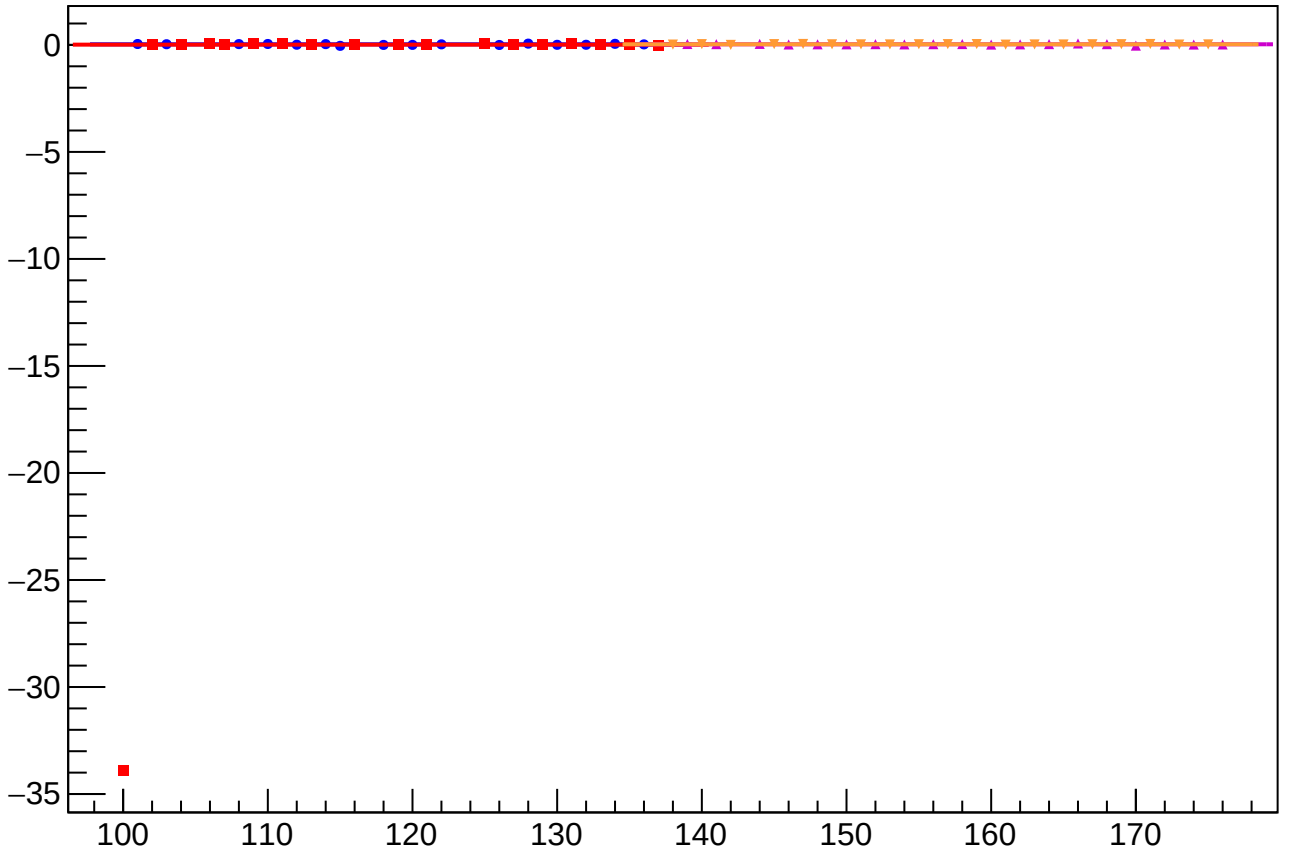
Left: 0.013+/-0.040 χ^2/NDF: 57.0/37

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.079+/-0.047 χ^2/NDF:50.5/34

Out: 0.009+/-0.047 χ^2/NDF:60.0/36

All: 0.044+/-0.033 χ^2/NDF: 111.7/71



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:15.0/18

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.029+/-0.002 χ^2/NDF:33.3/18

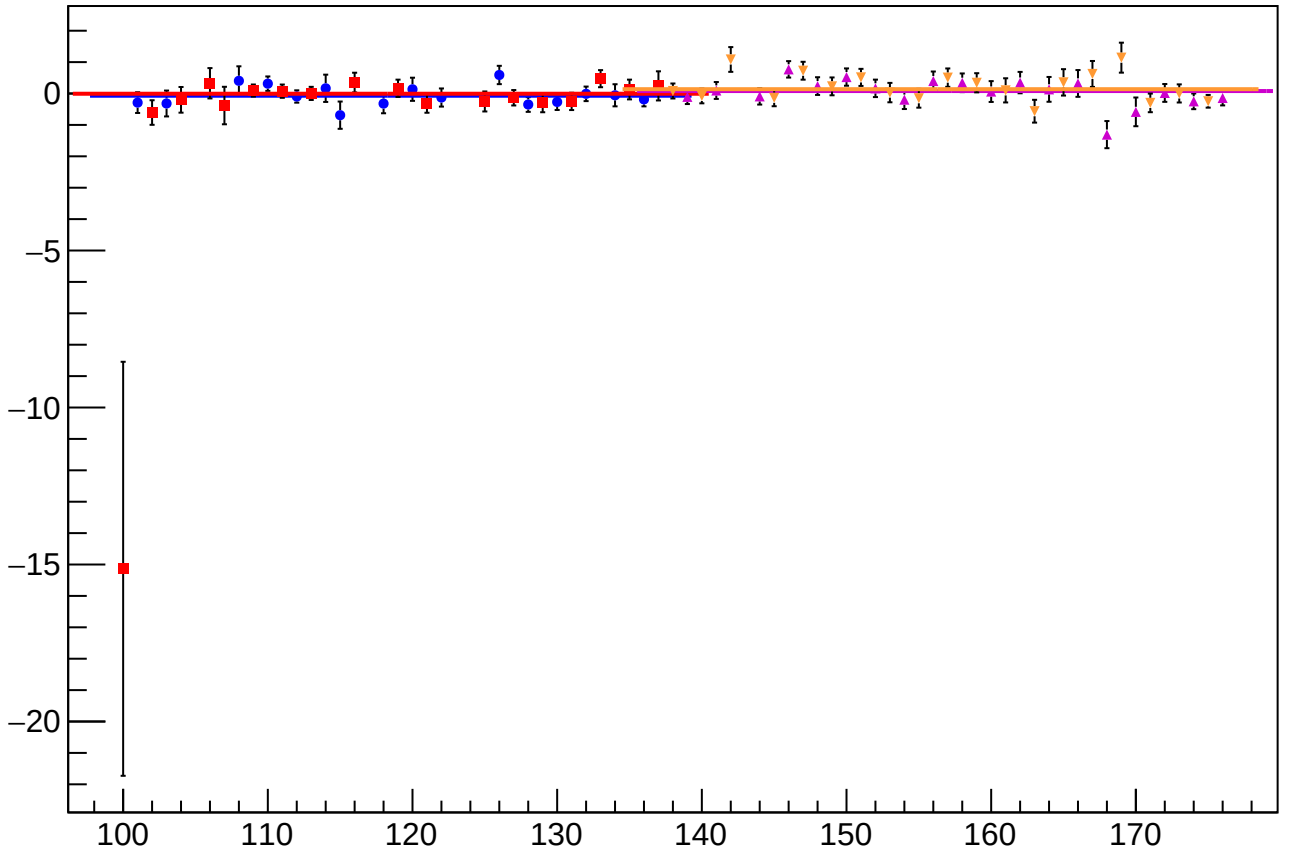
Left: 0.028+/-0.002 χ^2/NDF: 48.4/37

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.029+/-0.002 χ^2/NDF:48.0/34

Out: 0.025+/-0.002 χ^2/NDF:22285.7/36

All: 0.027+/-0.002 χ^2/NDF: 22335.3/71



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.138+/-0.068 χ^2/NDF:32.9/18

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.079+/-0.067 χ^2/NDF:29.8/18

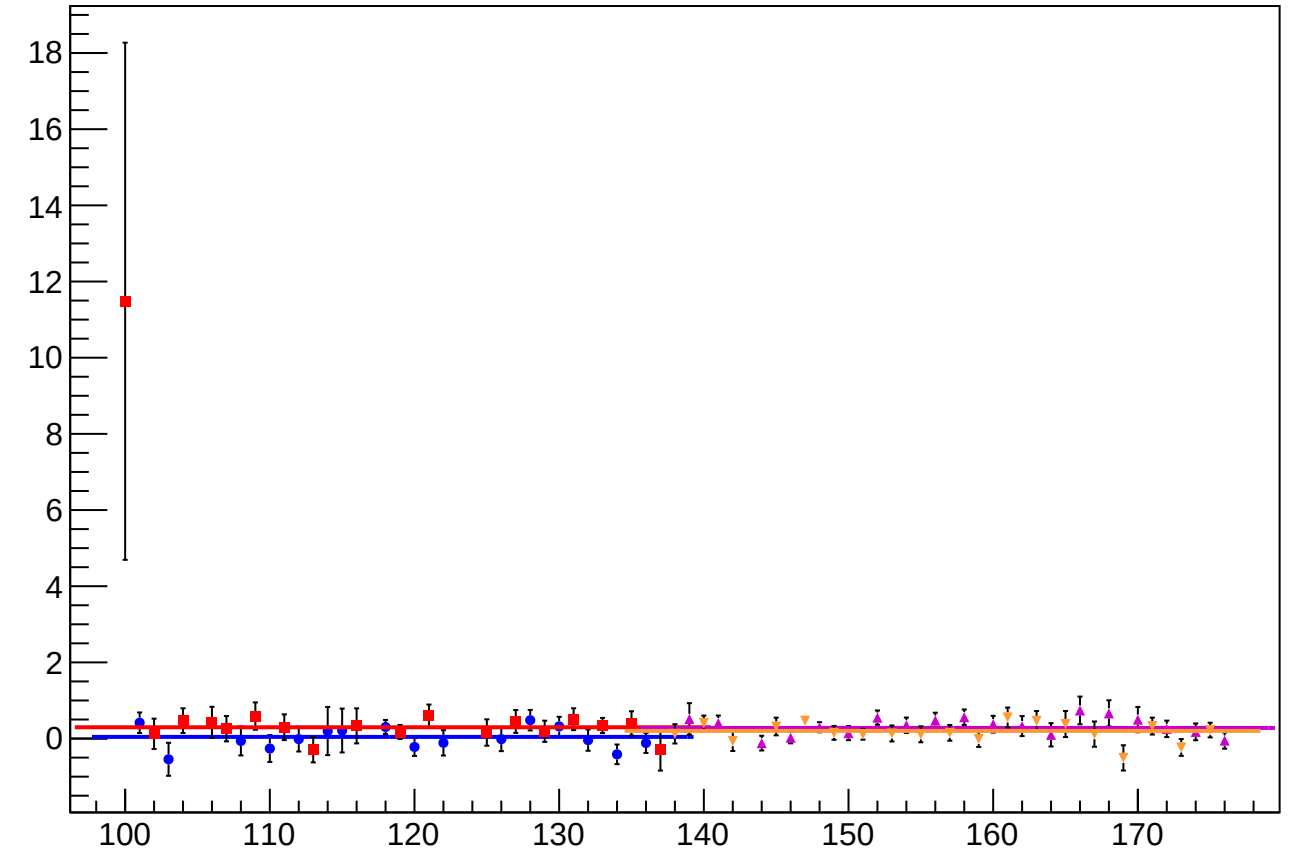
Left: 0.108+/-0.048 χ^2/NDF: 63.1/37

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.008+/-0.049 χ^2/NDF:47.6/34

Out: 0.067+/-0.049 χ^2/NDF:53.2/36

All: 0.038+/-0.035 χ^2/NDF: 101.6/71



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.201+/-0.048 χ^2/NDF:20.5/18

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.279+/-0.049 χ^2/NDF:20.0/18

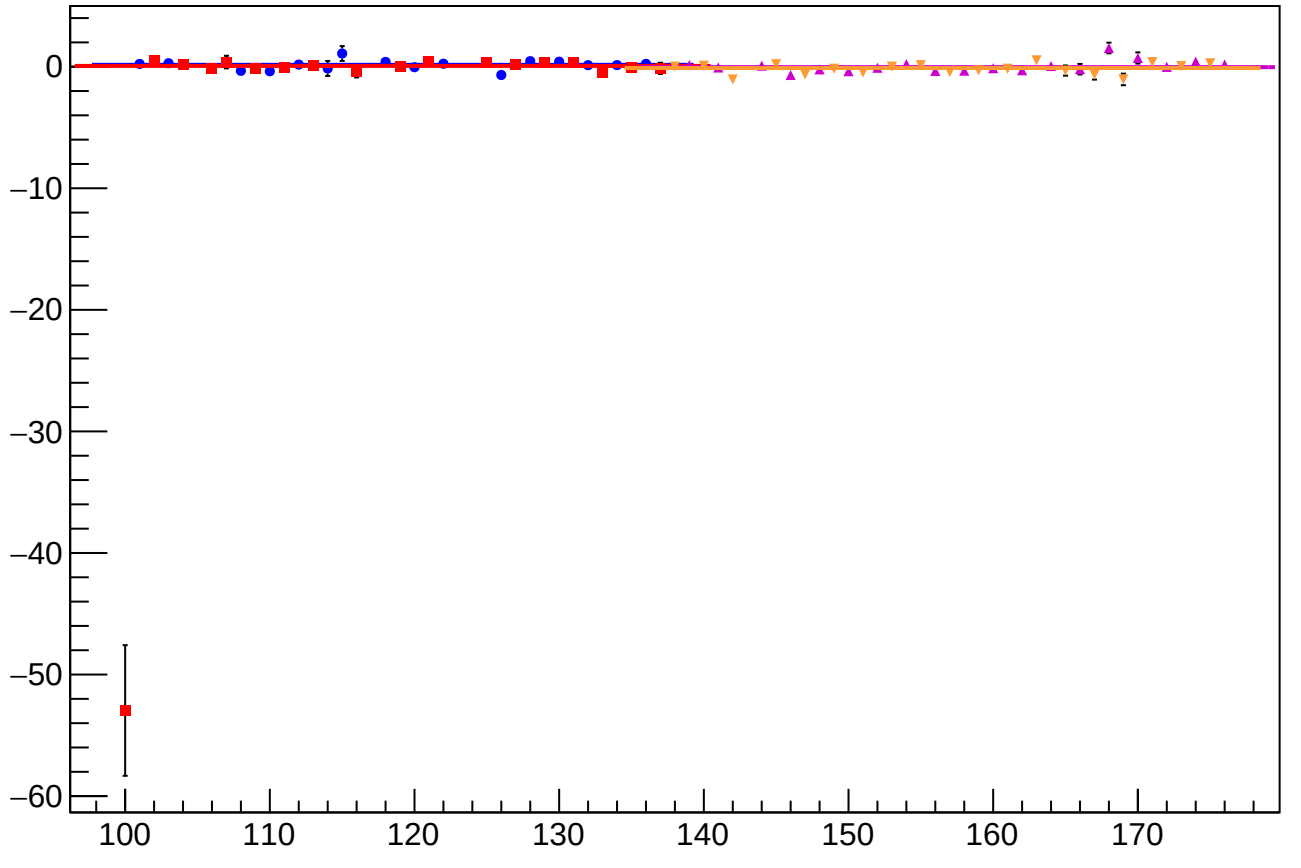
Left: 0.239+/-0.034 χ^2/NDF: 41.8/37

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.207+/-0.040 χ^2/NDF:42.9/34

Out: 0.229+/-0.040 χ^2/NDF:32.6/36

All: 0.218+/-0.029 χ^2/NDF: 75.7/71



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.108+/-0.067 χ^2/NDF:32.0/18

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.036+/-0.066 χ^2/NDF:32.9/18

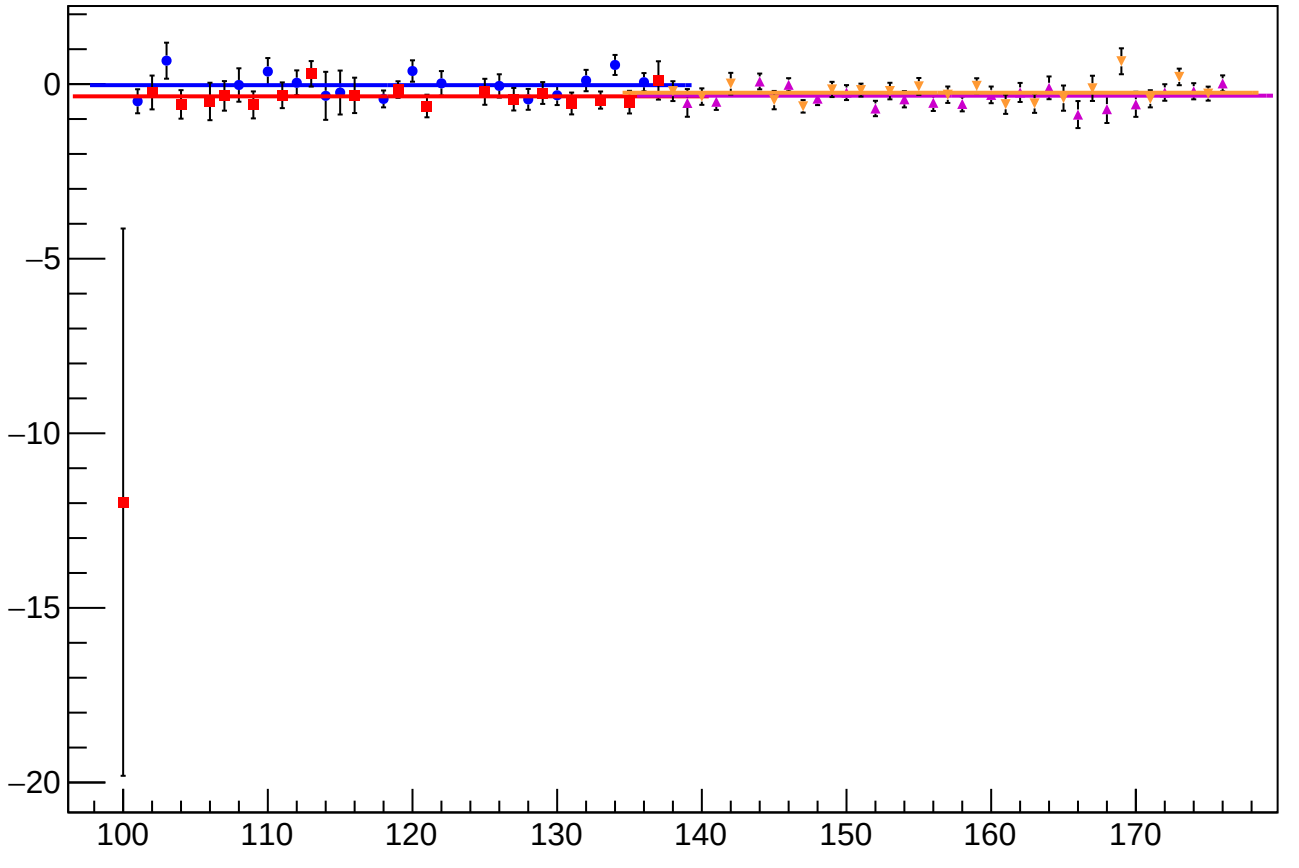
Left: -0.072+/-0.047 χ^2/NDF: 65.5/37

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.041+/-0.051 χ^2/NDF:51.8/34

Out: -0.038+/-0.051 χ^2/NDF:144.1/36

All: 0.002+/-0.036 χ^2/NDF: 197.1/71



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.247+/-0.056 χ^2/NDF:21.2/18

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.331+/-0.056 χ^2/NDF:18.9/18

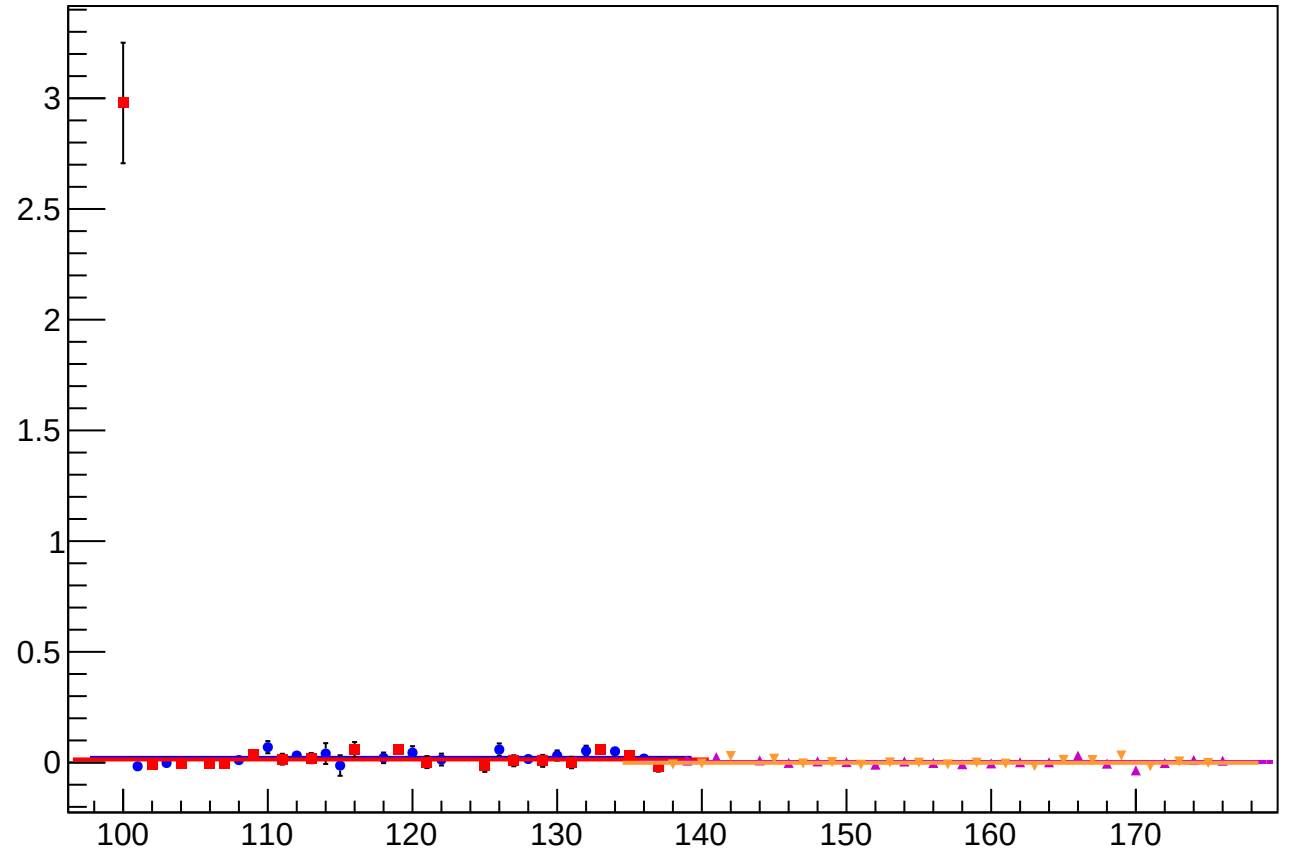
Left: -0.289+/-0.040 χ^2/NDF: 41.2/37

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.238+/-0.047 χ^2/NDF:44.6/34

Out: -0.279+/-0.047 χ^2/NDF:31.6/36

All: -0.258+/-0.033 χ^2/NDF: 76.6/71



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/18

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.002 χ^2/NDF:18.4/18

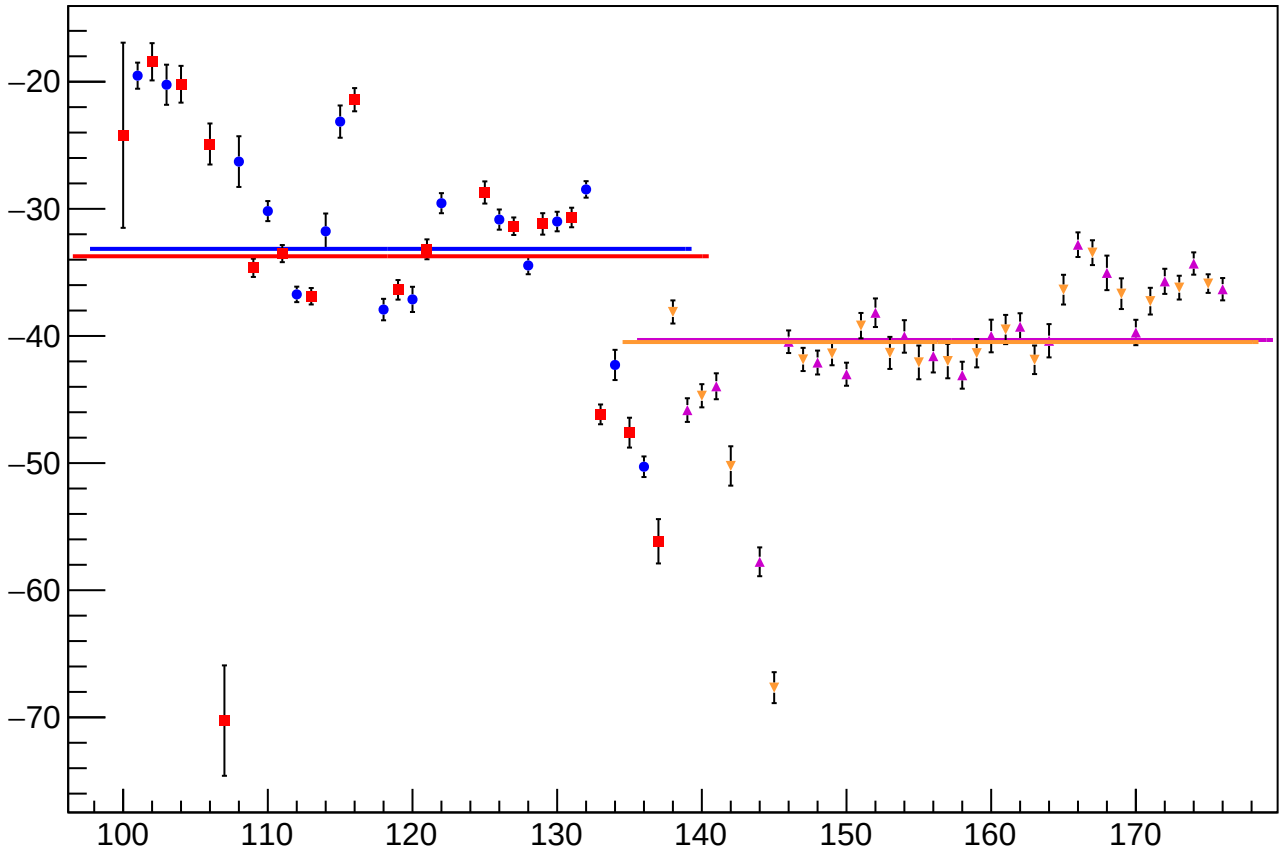
Left: 0.001+/-0.002 χ^2/NDF: 37.4/37

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:52.7/34

Out: 0.002+/-0.002 χ^2/NDF:166.3/36

All: 0.004+/-0.002 χ^2/NDF: 220.9/71



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.478+/-0.240 χ^2/NDF:721.4/18

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -40.316+/-0.238 χ^2/NDF:474.2/18

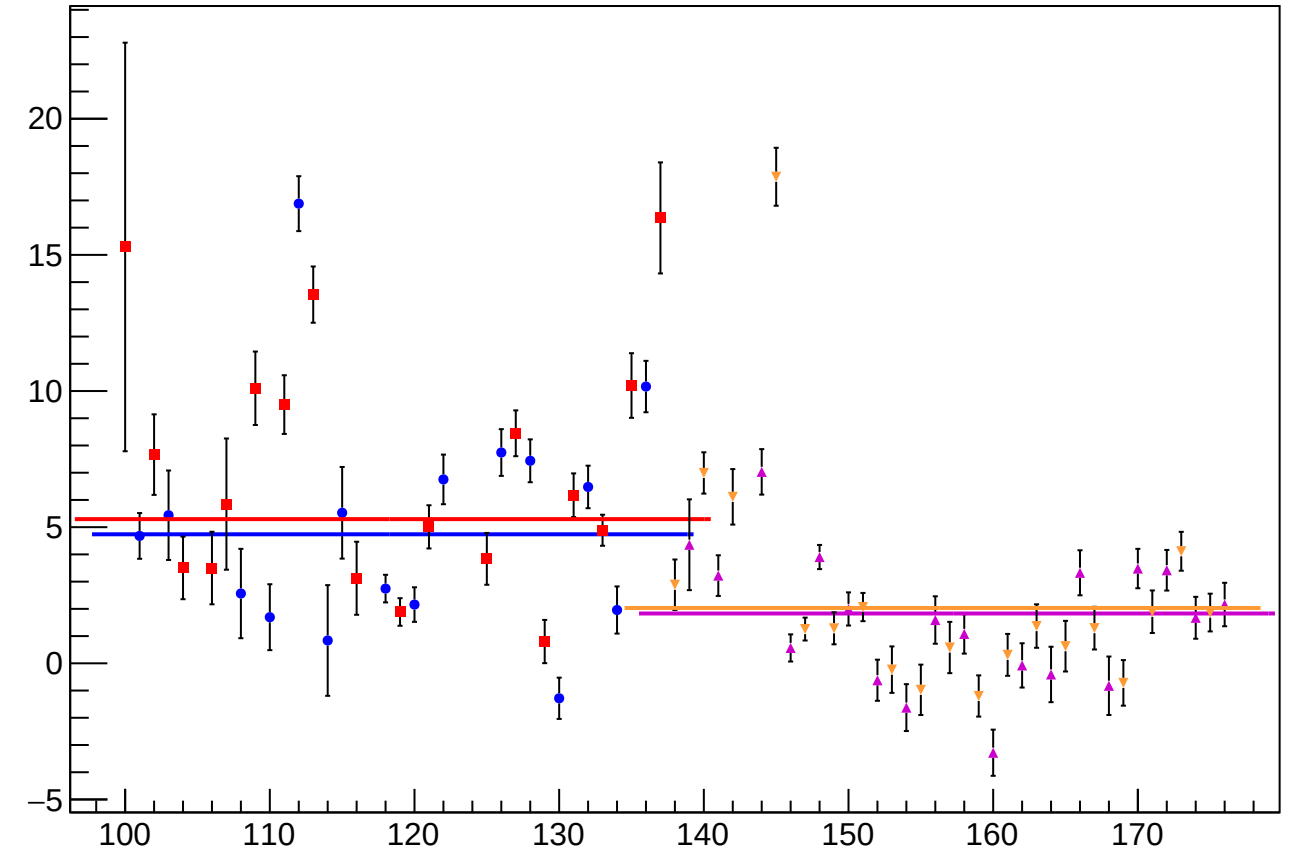
Left: -40.396+/-0.169 χ^2/NDF: 1195.9/37

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.424+/-0.161 χ^2/NDF:1982.4/34

Out: -36.732+/-0.160 χ^2/NDF:2308.6/36

All: -36.579+/-0.113 χ^2/NDF: 4292.8/71


reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
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−5
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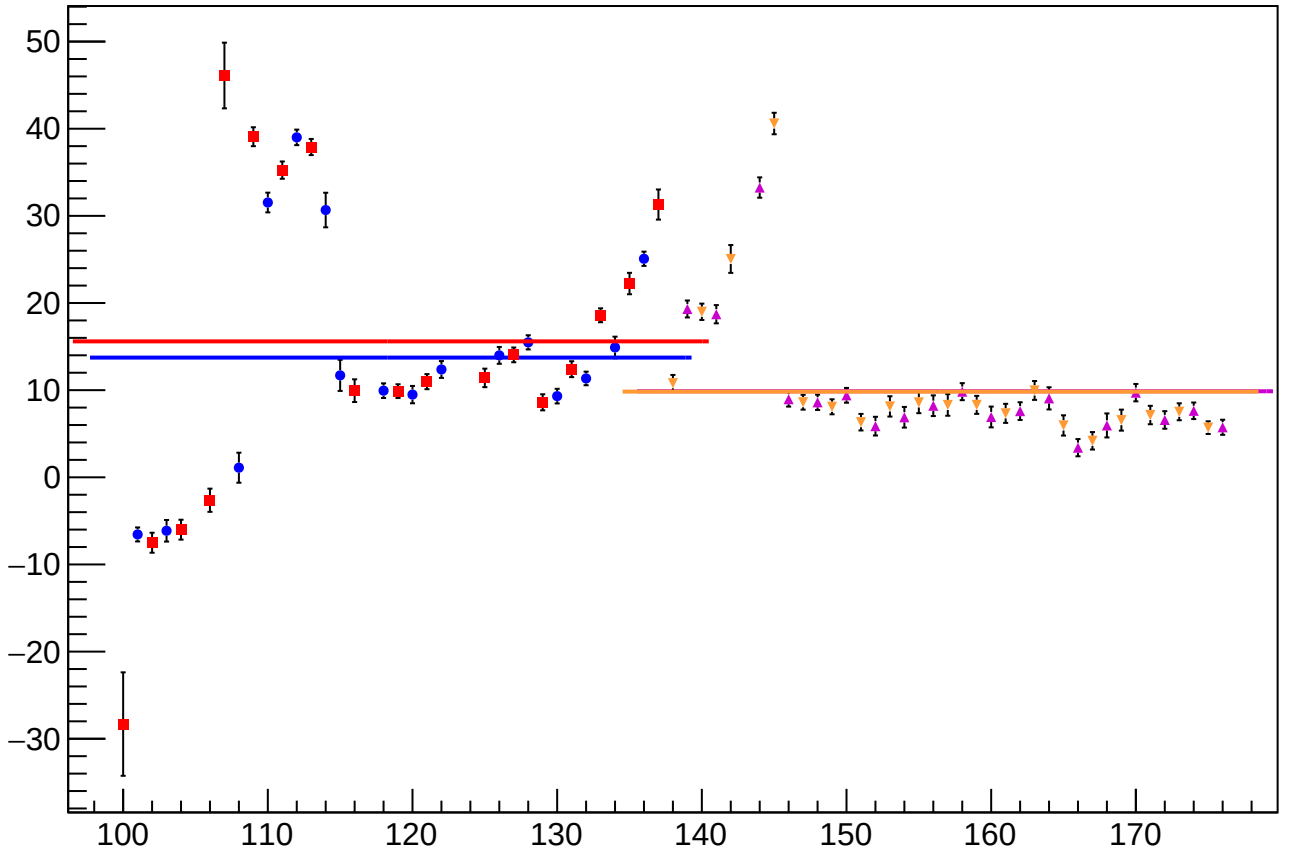
110
120
130
140
150
160
170
Right In: 4.738+/-0.219 χ²/NDF: 329.6/15
Left Out: 2.033+/-0.168 χ²/NDF:352.7/18
Right Out: 5.295+/-0.223 χ²/NDF: 245.0/17
Left In: 1.830+/-0.169 χ²/NDF:166.8/18
Left: 1.932+/-0.119 χ²/NDF: 520.2/37
Right: 5.012+/-0.156 χ²/NDF: 577.8/33
In: 2.917+/-0.134 χ²/NDF:606.6/34
Out: 3.208+/-0.134 χ²/NDF:734.2/36
All: 3.062+/-0.095 χ²/NDF: 1343.2/71



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.833+/-0.235 χ^2/NDF:936.9/18

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 9.875+/-0.233 χ^2/NDF:694.3/18

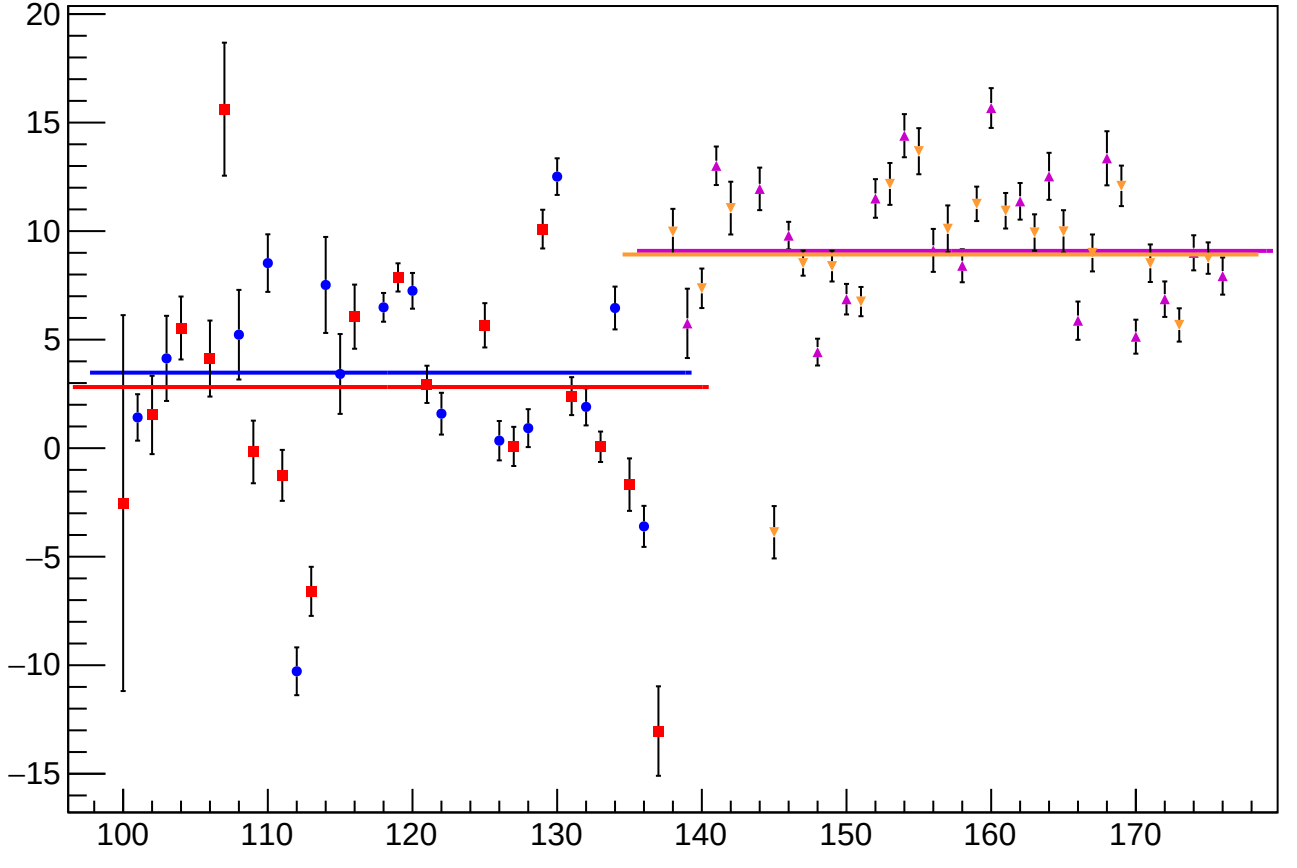
Left: 9.854+/-0.166 χ^2/NDF: 1631.2/37

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.698+/-0.170 χ^2/NDF:3173.6/34

Out: 12.541+/-0.171 χ^2/NDF:4045.2/36

All: 12.115+/-0.121 χ^2/NDF: 7231.0/71



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.924+/-0.194 χ^2/NDF:210.6/18

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.089+/-0.195 χ^2/NDF:266.0/18

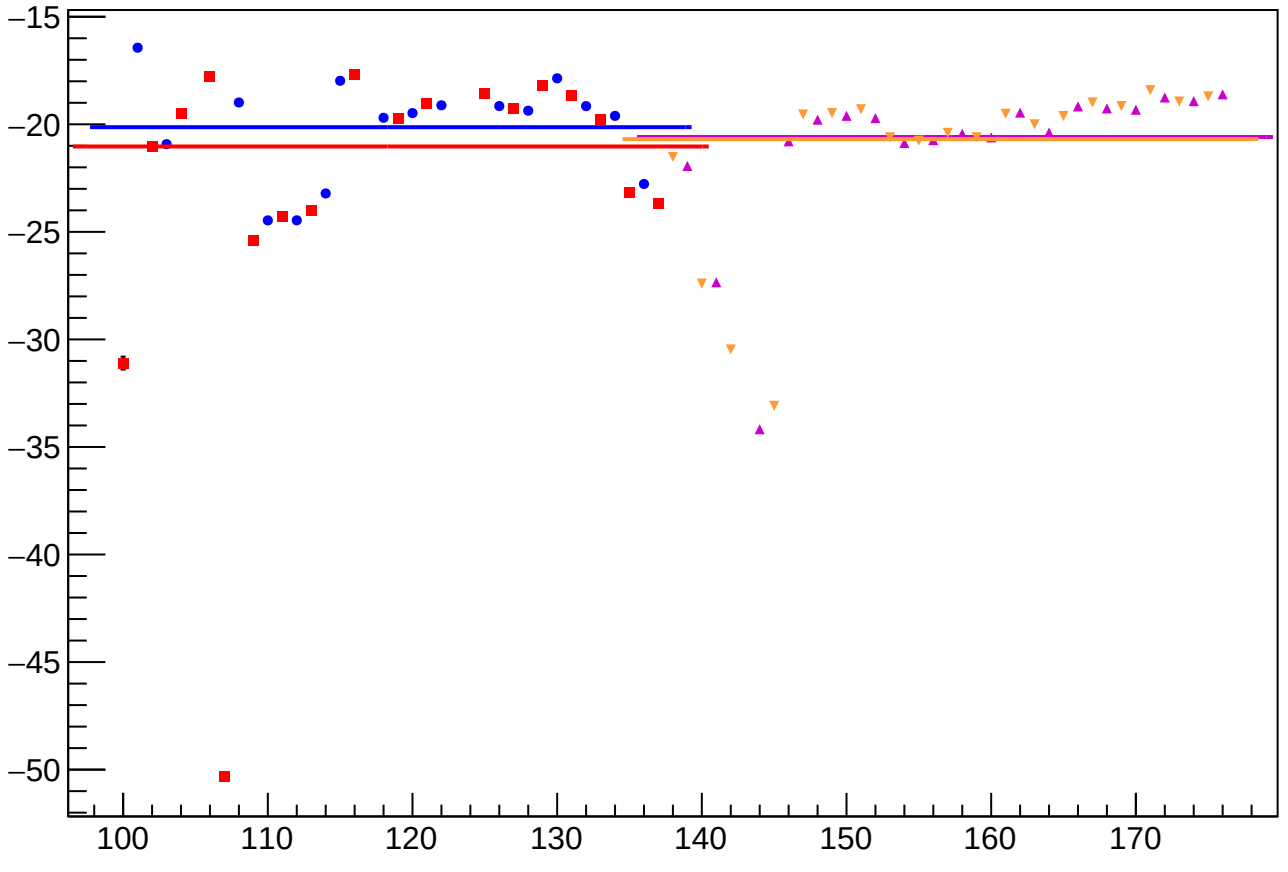
Left: 9.006+/-0.138 χ^2/NDF: 477.0/37

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.003+/-0.155 χ^2/NDF:1000.8/34

Out: 6.708+/-0.155 χ^2/NDF:914.9/36

All: 6.856+/-0.109 χ^2/NDF: 1917.6/71



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.690+/-0.009 χ^2/NDF:132620.6/18

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.590+/-0.009 χ^2/NDF:108124.3/18

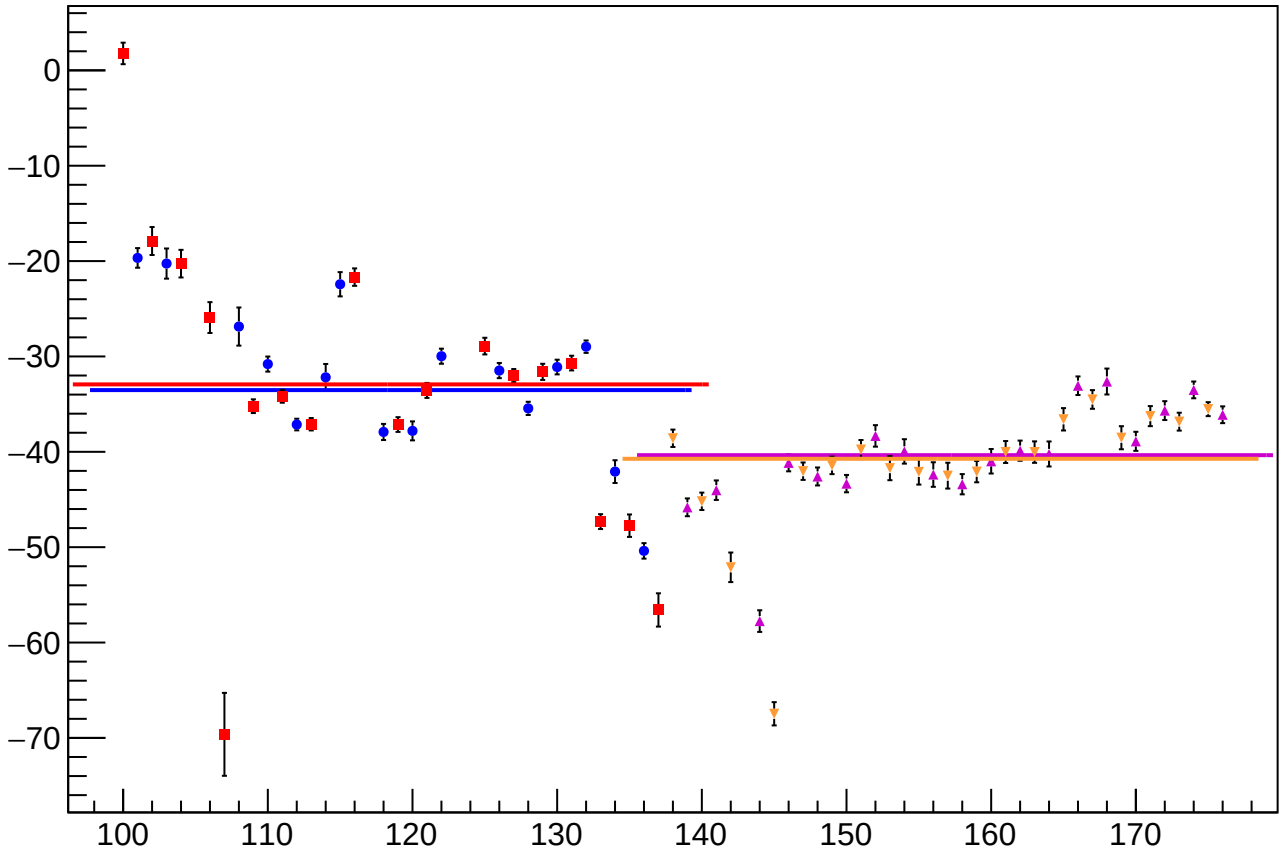
Left: -20.638+/-0.006 χ^2/NDF: 240808.7/37

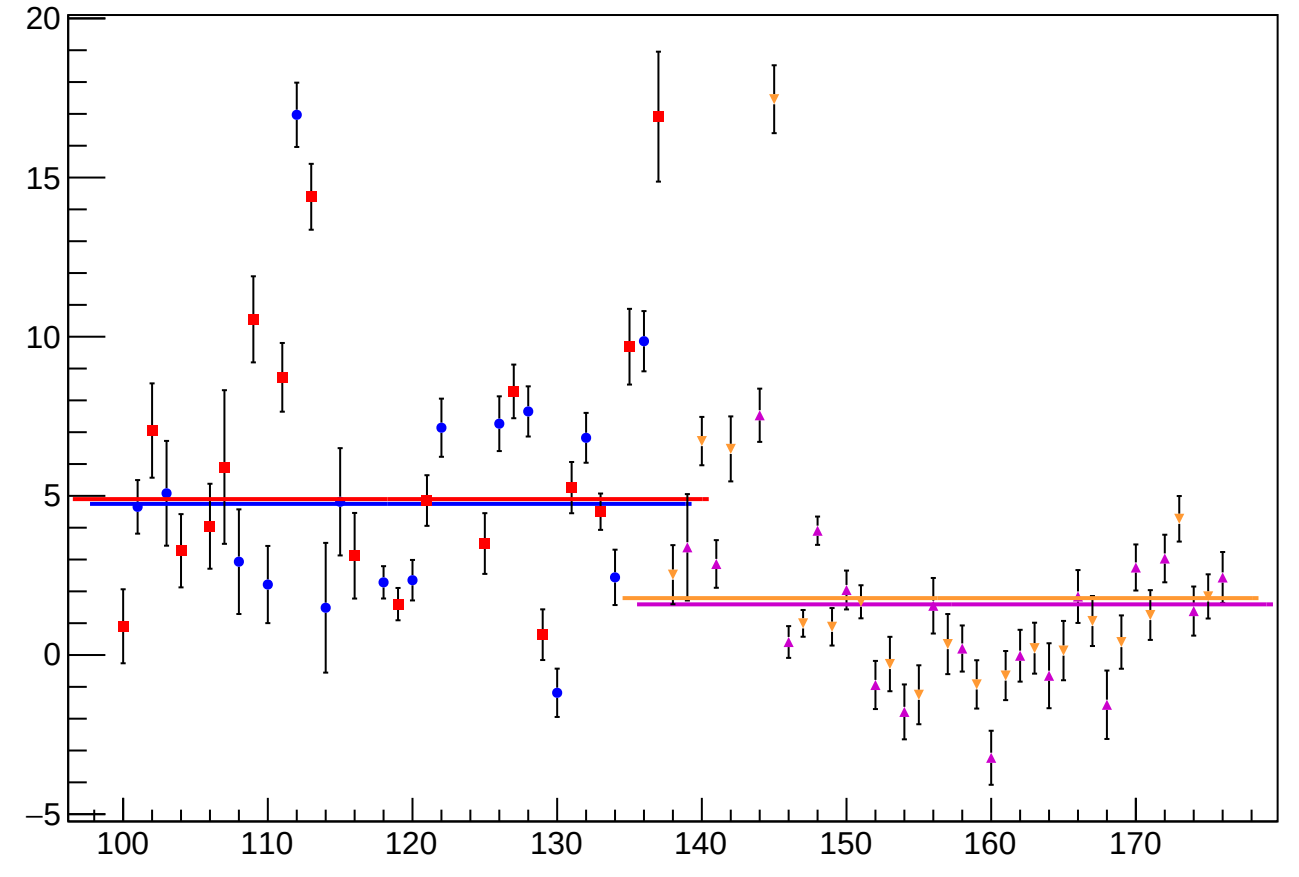
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.485+/-0.008 χ^2/NDF:128581.8/34

Out: -20.768+/-0.008 χ^2/NDF:190474.9/36

All: -20.622+/-0.005 χ^2/NDF: 319719.1/71


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: -40.731+/-0.240 χ²/NDF:714.6/18
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -40.351+/-0.238 χ²/NDF:510.0/18
Left: -40.539+/-0.169 χ²/NDF: 1225.9/37
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.647+/-0.161 χ²/NDF:1964.6/34
Out: -36.336+/-0.159 χ²/NDF:3477.8/36
All: -36.489+/-0.113 χ²/NDF: 5444.3/71



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.788+/-0.168 χ^2/NDF:350.6/18

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.591+/-0.170 χ^2/NDF:175.1/18

Left: 1.691+/-0.119 χ^2/NDF: 526.3/37

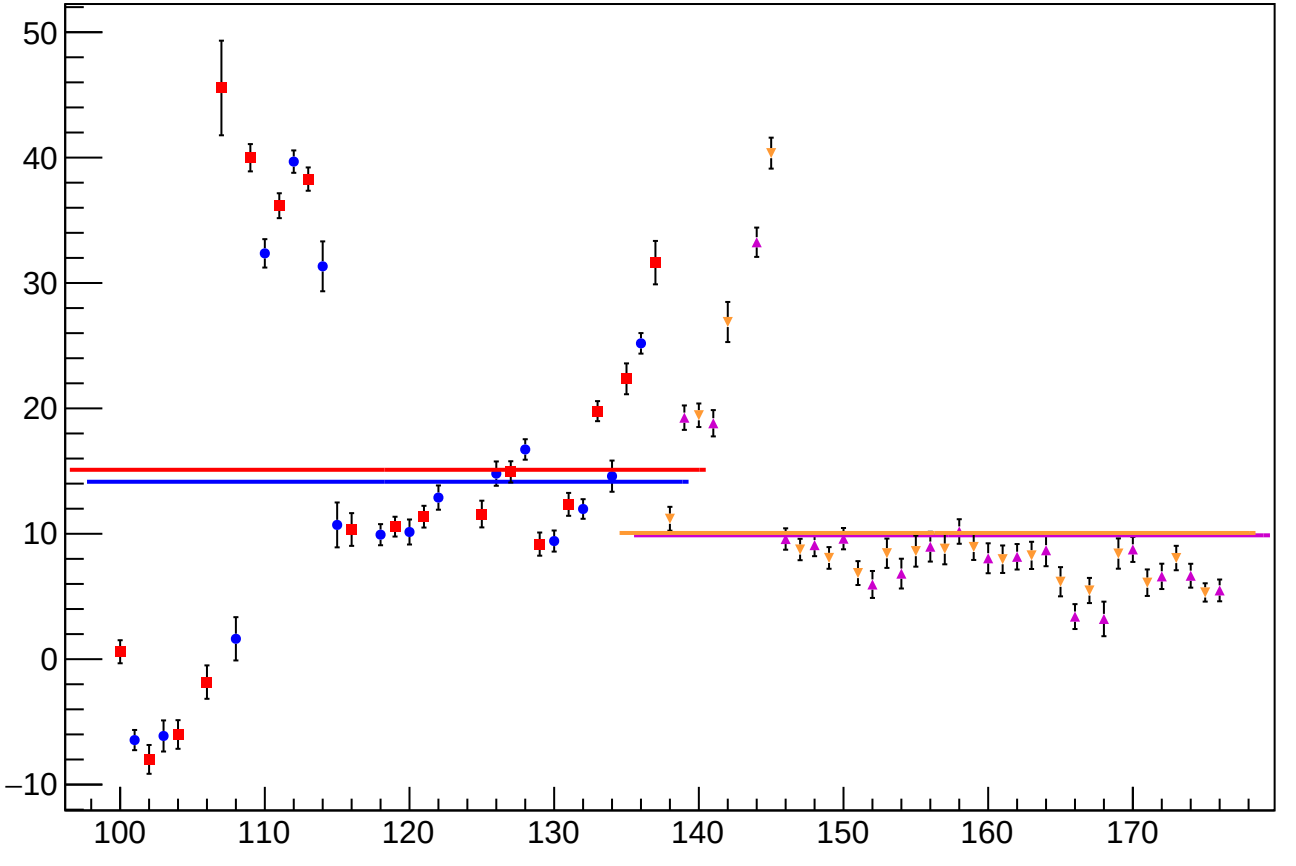
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.771+/-0.134 χ^2/NDF:630.2/34

Out: 2.933+/-0.133 χ^2/NDF:750.0/36

All: 2.852+/-0.095 χ^2/NDF: 1380.9/71

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: 10.065+/-0.236 χ^2/NDF:938.9/18

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 9.877+/-0.234 χ^2/NDF:707.7/18

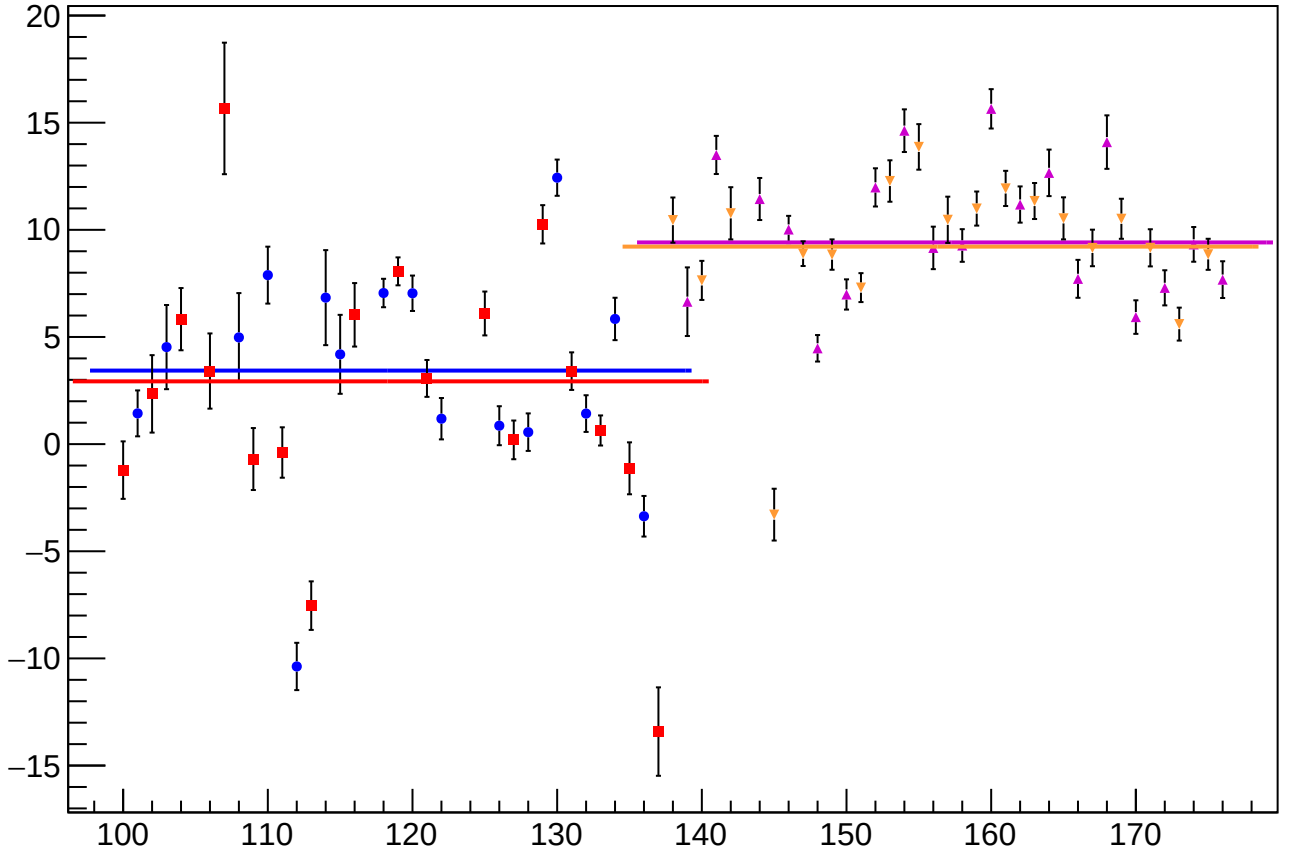
Left: 9.970+/-0.166 χ^2/NDF: 1646.9/37

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.893+/-0.170 χ^2/NDF:3267.7/34

Out: 12.518+/-0.169 χ^2/NDF:4263.6/36

All: 12.208+/-0.120 χ^2/NDF: 7538.1/71



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.216+/-0.194 χ^2/NDF:200.6/18

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.412+/-0.196 χ^2/NDF:248.4/18

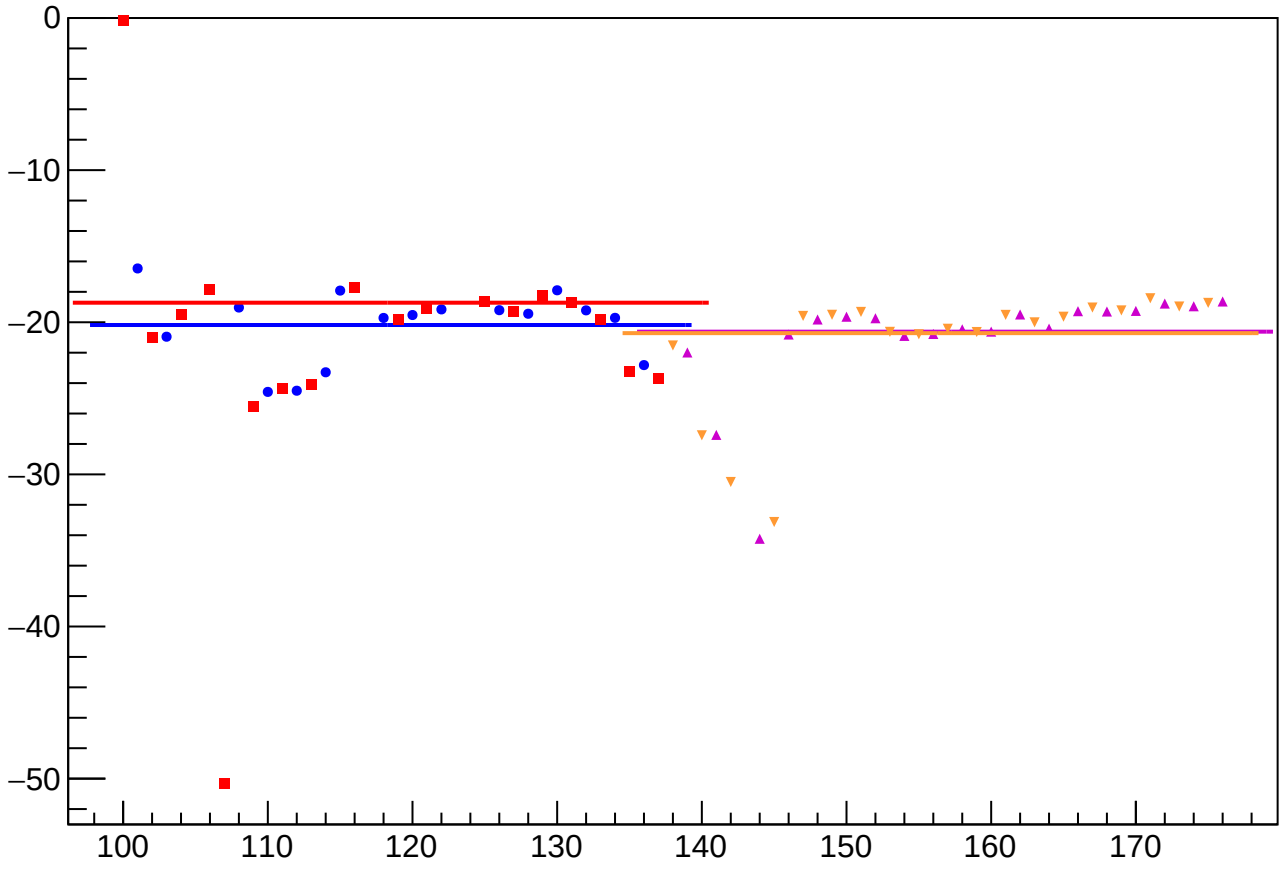
Left: 9.314+/-0.138 χ^2/NDF: 449.6/37

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.189+/-0.155 χ^2/NDF:1020.1/34

Out: 6.885+/-0.154 χ^2/NDF:955.9/36

All: 7.036+/-0.109 χ^2/NDF: 1978.0/71



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.715+/-0.009 χ^2/NDF:132336.1/18

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.618+/-0.009 χ^2/NDF:108402.8/18

Left: -20.665+/-0.006 χ^2/NDF: 240799.0/37

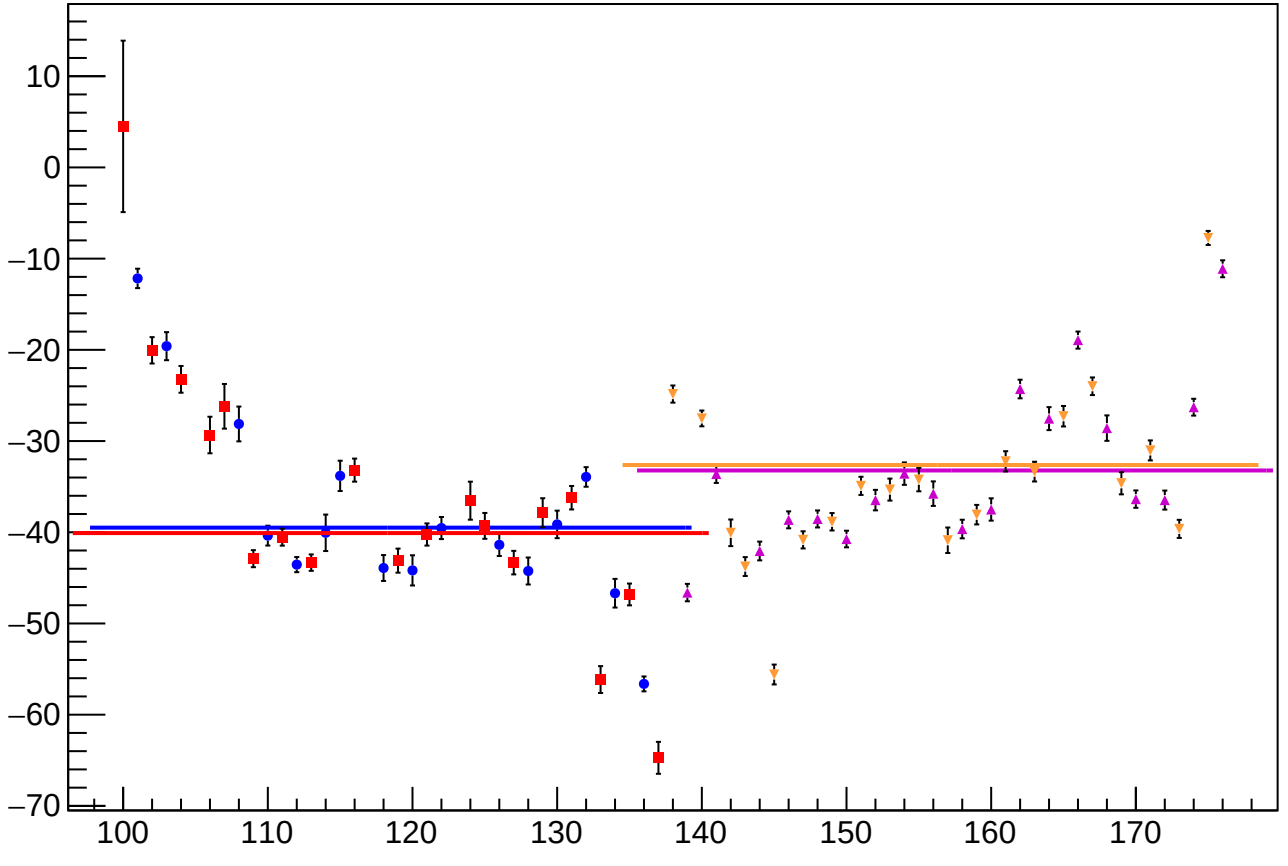
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.518+/-0.008 χ^2/NDF:128832.8/34

Out: -20.214+/-0.008 χ^2/NDF:379393.5/36

All: -20.368+/-0.005 χ^2/NDF: 508994.9/71

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: -32.628+/-0.233 χ^2/NDF:2076.5/19

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -33.226+/-0.237 χ^2/NDF:1451.5/18

Left: -32.923+/-0.166 χ^2/NDF: 3531.2/38

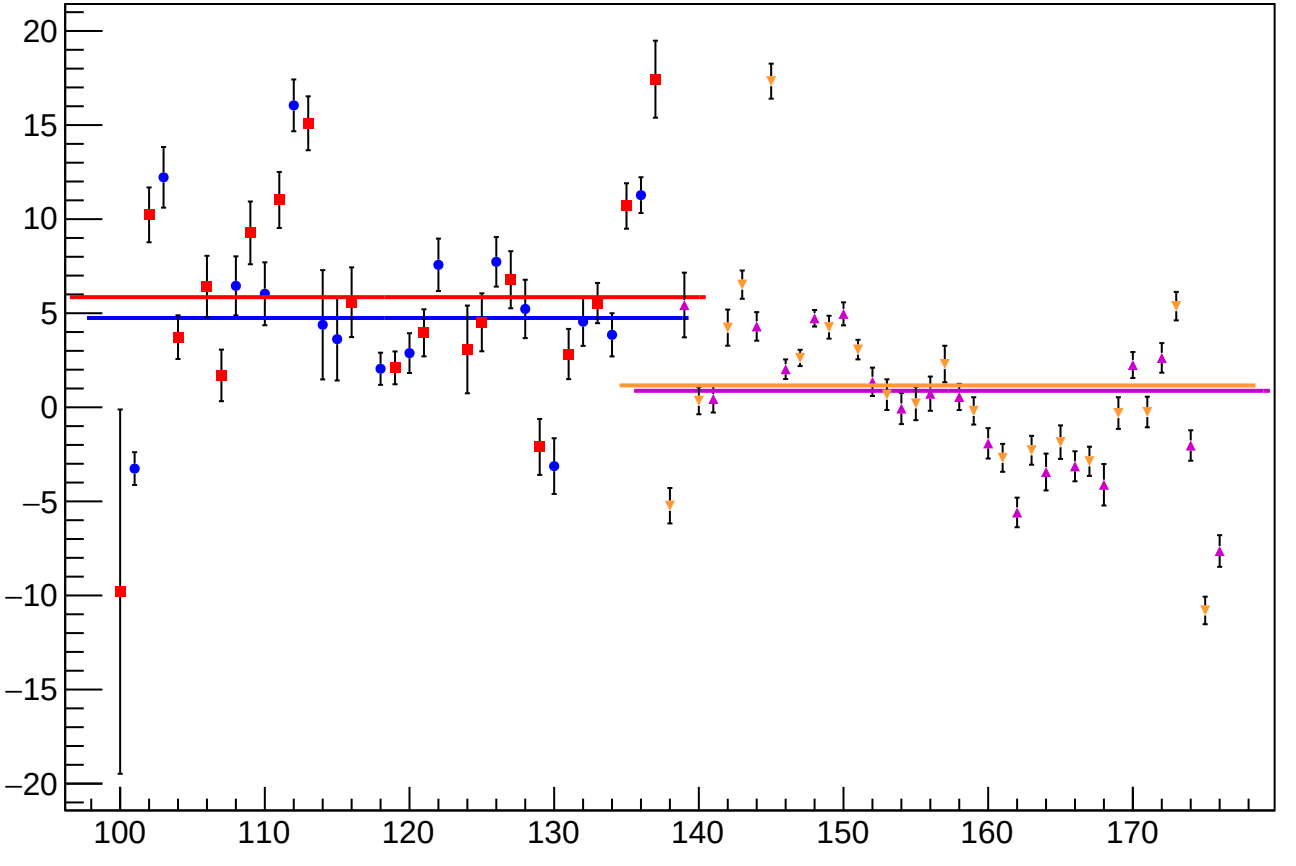
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -35.530+/-0.188 χ^2/NDF:3125.8/34

Out: -35.360+/-0.186 χ^2/NDF:3285.6/38

All: -35.444+/-0.132 χ^2/NDF: 6411.9/73

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: 1.163+/-0.163 χ^2/NDF:856.0/19

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 0.877+/-0.168 χ^2/NDF:425.1/18

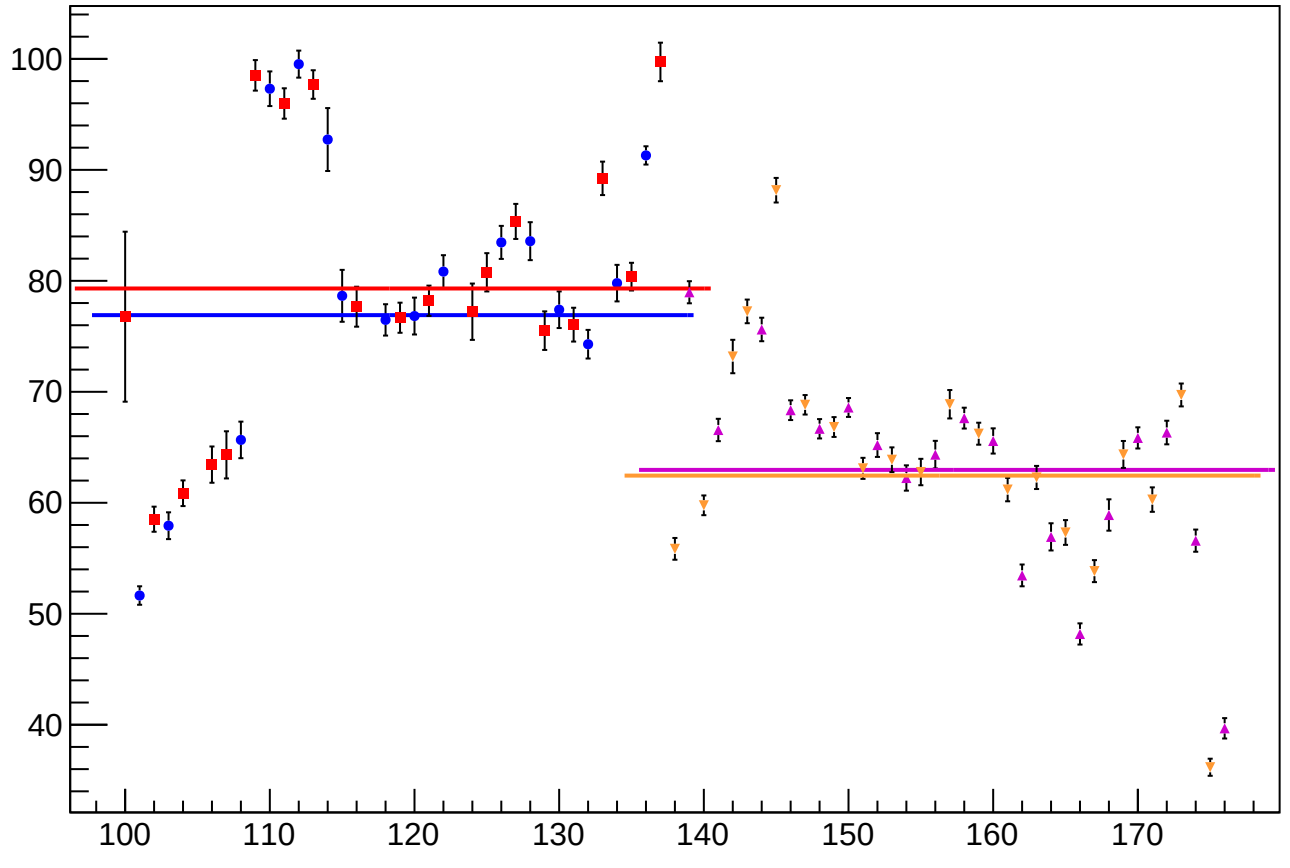
Left: 1.024+/-0.117 χ^2/NDF: 1282.6/38

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 1.732+/-0.149 χ^2/NDF:815.8/34

Out: 2.114+/-0.146 χ^2/NDF:1210.9/38

All: 1.927+/-0.104 χ^2/NDF: 2030.1/73



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.450+/-0.229 χ^2/NDF:2273.4/19

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 62.965+/-0.232 χ^2/NDF:1616.9/18

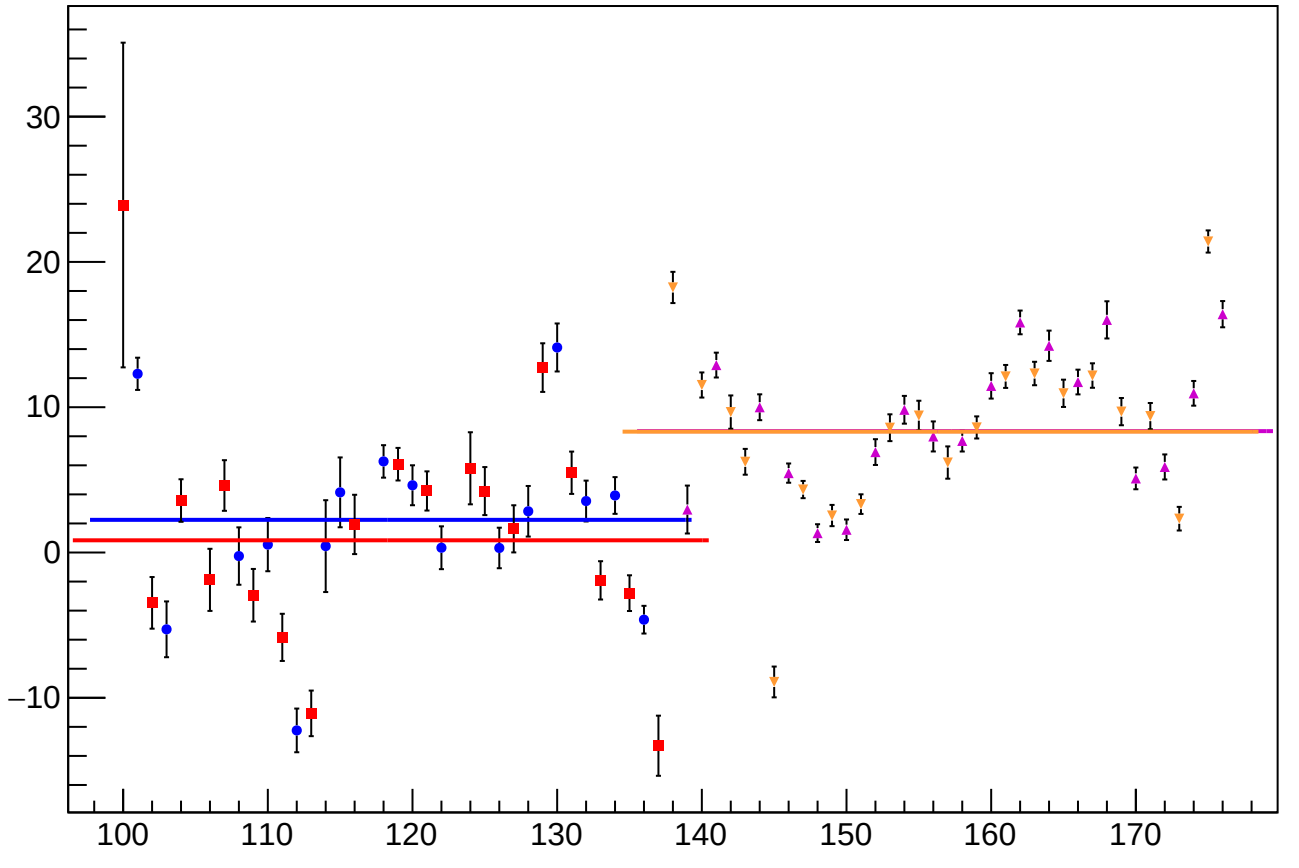
Left: 62.704+/-0.163 χ^2/NDF: 3892.8/38

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 67.463+/-0.191 χ^2/NDF:4893.7/34

Out: 67.559+/-0.191 χ^2/NDF:5407.3/38

All: 67.511+/-0.135 χ^2/NDF: 10301.2/73


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
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−10
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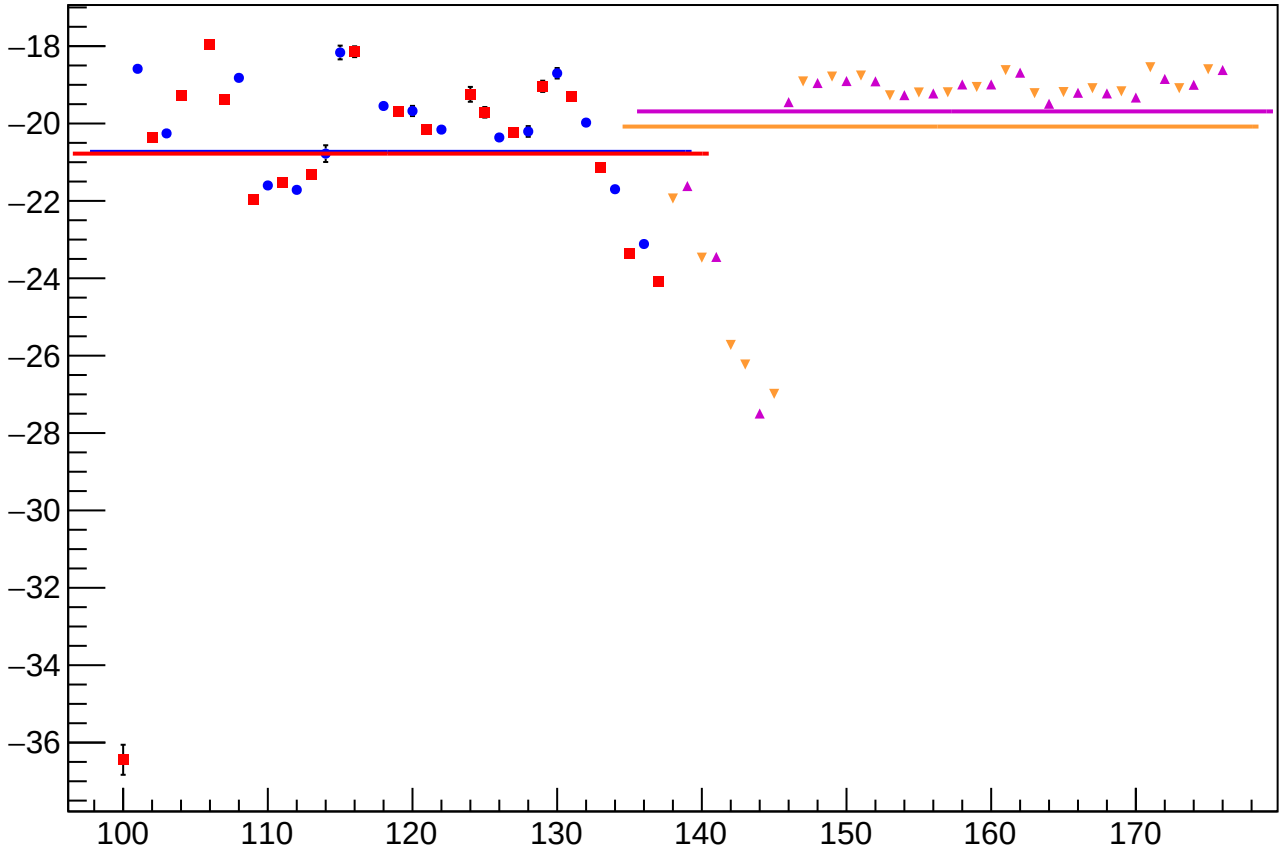
110
120
130
140
150
160
170
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 8.318+/-0.189 χ²/NDF:965.5/19
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 8.354+/-0.194 χ²/NDF:587.2/18
Left: 8.336+/-0.135 χ²/NDF: 1552.8/38
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.998+/-0.171 χ²/NDF:1126.9/34
Out: 6.783+/-0.169 χ²/NDF:1542.8/38
All: 6.889+/-0.120 χ²/NDF: 2670.5/73

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.079+/-0.009 χ^2/NDF:75513.7/19

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.687+/-0.009 χ^2/NDF:43597.9/18

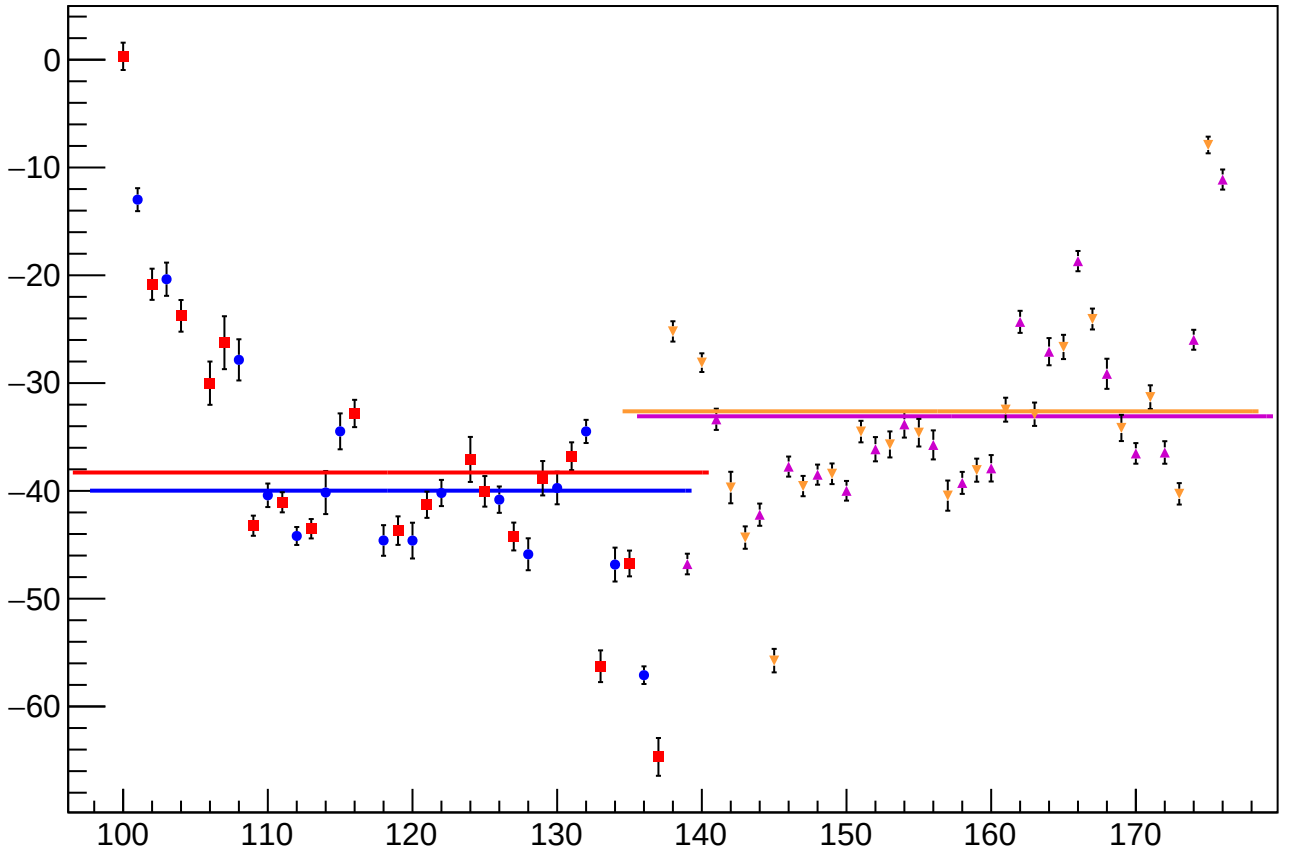
Left: -19.882+/-0.006 χ^2/NDF: 120113.5/38

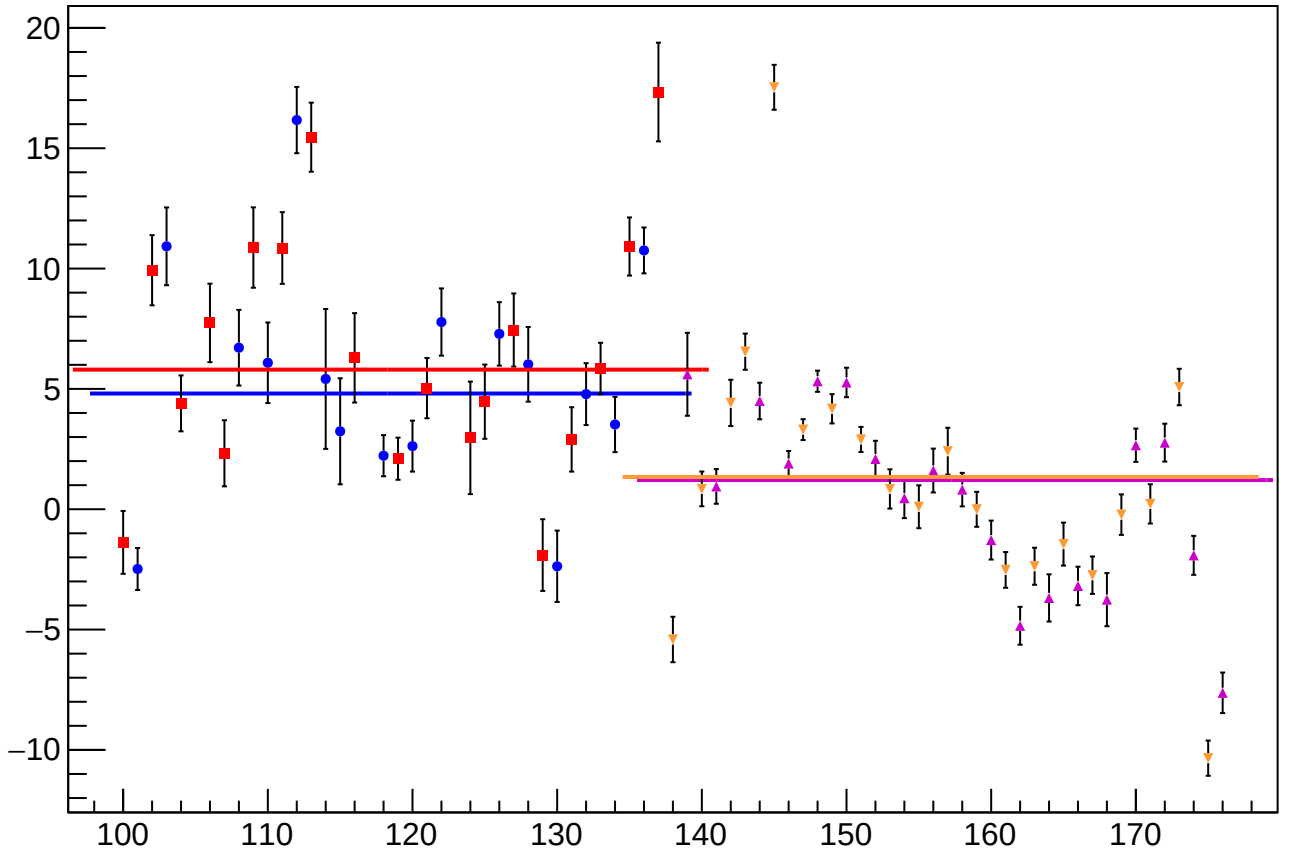
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

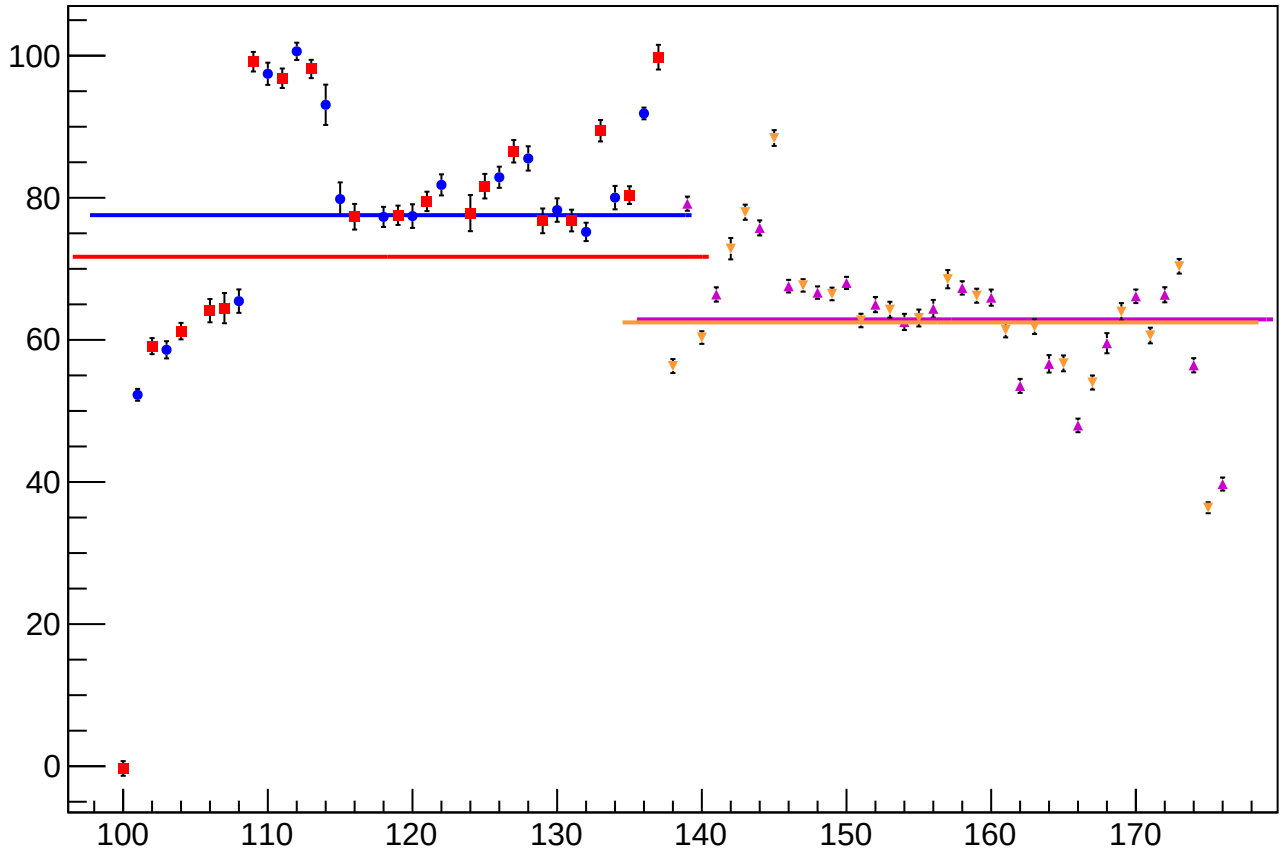
In: -19.863+/-0.008 χ^2/NDF:53642.4/34

Out: -20.190+/-0.008 χ^2/NDF:85949.9/38

All: -20.025+/-0.006 χ^2/NDF: 140429.1/73


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -32.619+/-0.234 χ²/NDF:2039.6/19
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -33.081+/-0.237 χ²/NDF:1439.5/18
Left: -32.846+/-0.167 χ²/NDF: 3481.0/38
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -35.619+/-0.189 χ²/NDF:3148.7/34
Out: -34.771+/-0.184 χ²/NDF:4037.0/38
All: -35.185+/-0.132 χ²/NDF: 7196.0/73


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 1.341+/-0.164 χ²/NDF:840.5/19
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.213+/-0.169 χ²/NDF:437.7/18
Left: 1.279+/-0.117 χ²/NDF: 1278.5/38
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.008+/-0.149 χ²/NDF:778.7/34
Out: 2.288+/-0.145 χ²/NDF:1214.8/38
All: 2.152+/-0.104 χ²/NDF: 1995.4/73



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.462+/-0.230 χ^2/NDF:2252.7/19

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 62.887+/-0.233 χ^2/NDF:1605.8/18

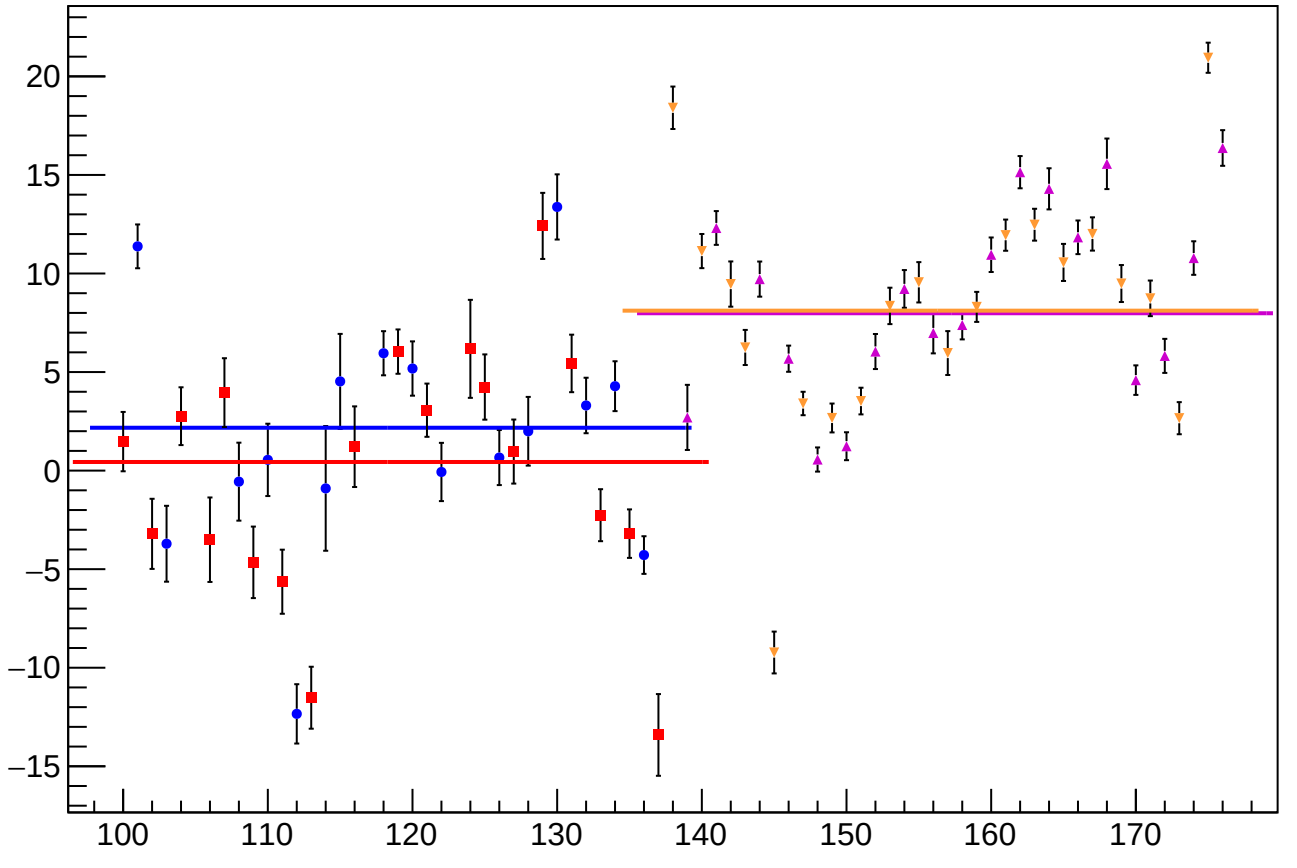
Left: 62.671+/-0.164 χ^2/NDF: 3860.2/38

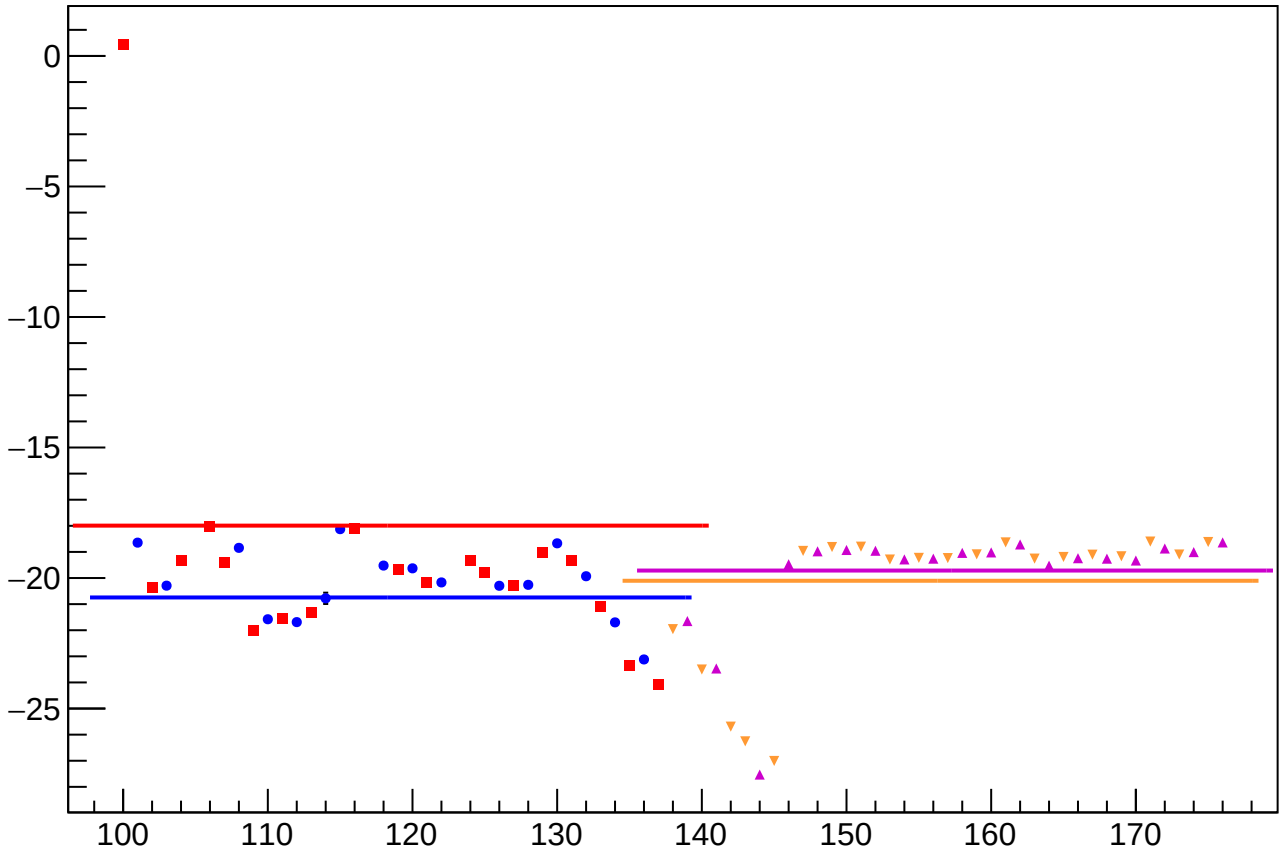
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 67.620+/-0.192 χ^2/NDF:5004.0/34

Out: 65.471+/-0.189 χ^2/NDF:9683.1/38

All: 66.528+/-0.134 χ^2/NDF: 14751.0/73


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: 8.114+/-0.189 χ²/NDF:956.2/19
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.983+/-0.194 χ²/NDF:600.5/18
Left: 8.051+/-0.136 χ²/NDF: 1556.9/38
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.693+/-0.171 χ²/NDF:1089.3/34
Out: 6.465+/-0.168 χ²/NDF:1563.6/38
All: 6.577+/-0.120 χ²/NDF: 2653.8/73



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.105+/-0.009 χ^2/NDF:75065.6/19

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.713+/-0.009 χ^2/NDF:43479.9/18

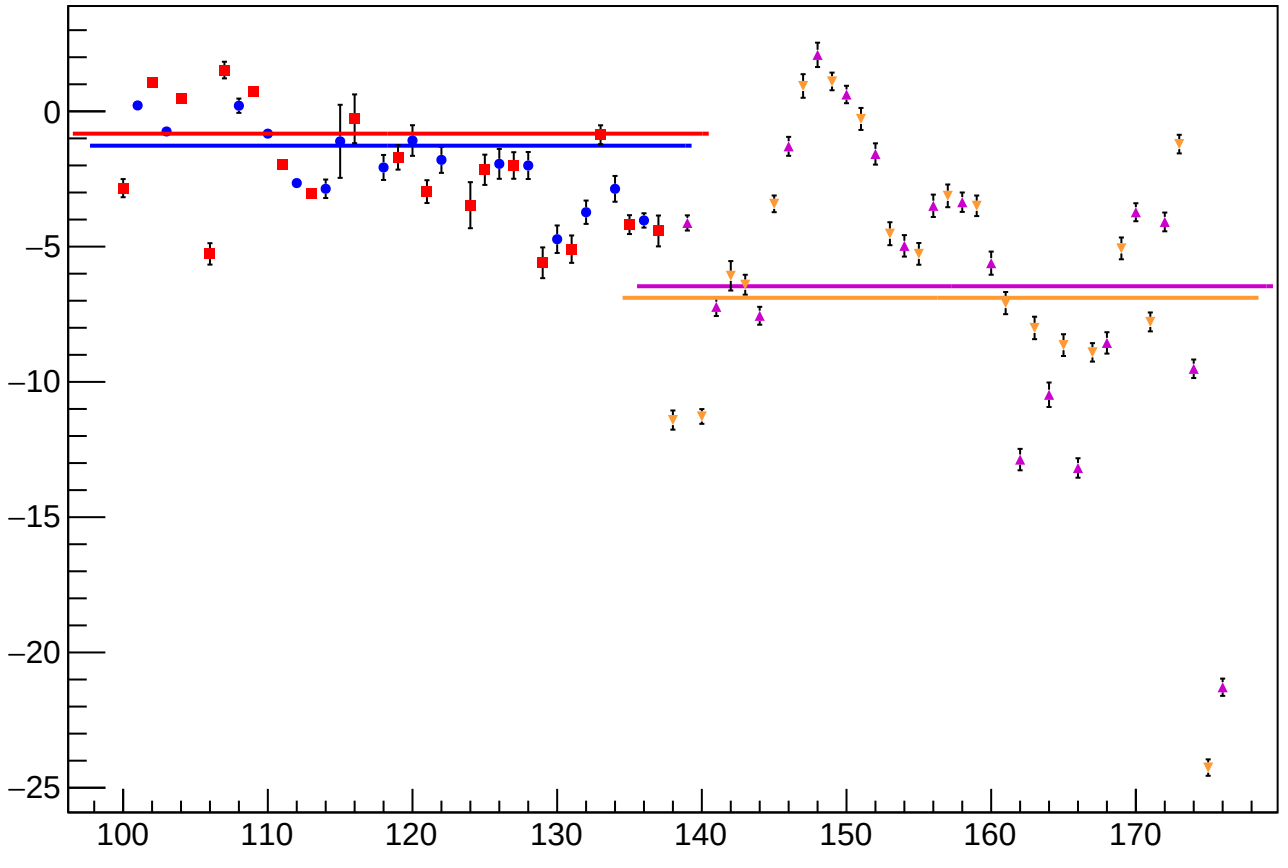
Left: -19.908+/-0.006 χ^2/NDF: 119542.6/38

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -19.887+/-0.008 χ^2/NDF:53331.0/34

Out: -19.729+/-0.008 χ^2/NDF:235930.7/38

All: -19.808+/-0.006 χ^2/NDF: 289458.5/73



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -6.892+/-0.082 χ^2/NDF:5582.1/19

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -6.465+/-0.083 χ^2/NDF:4519.2/18

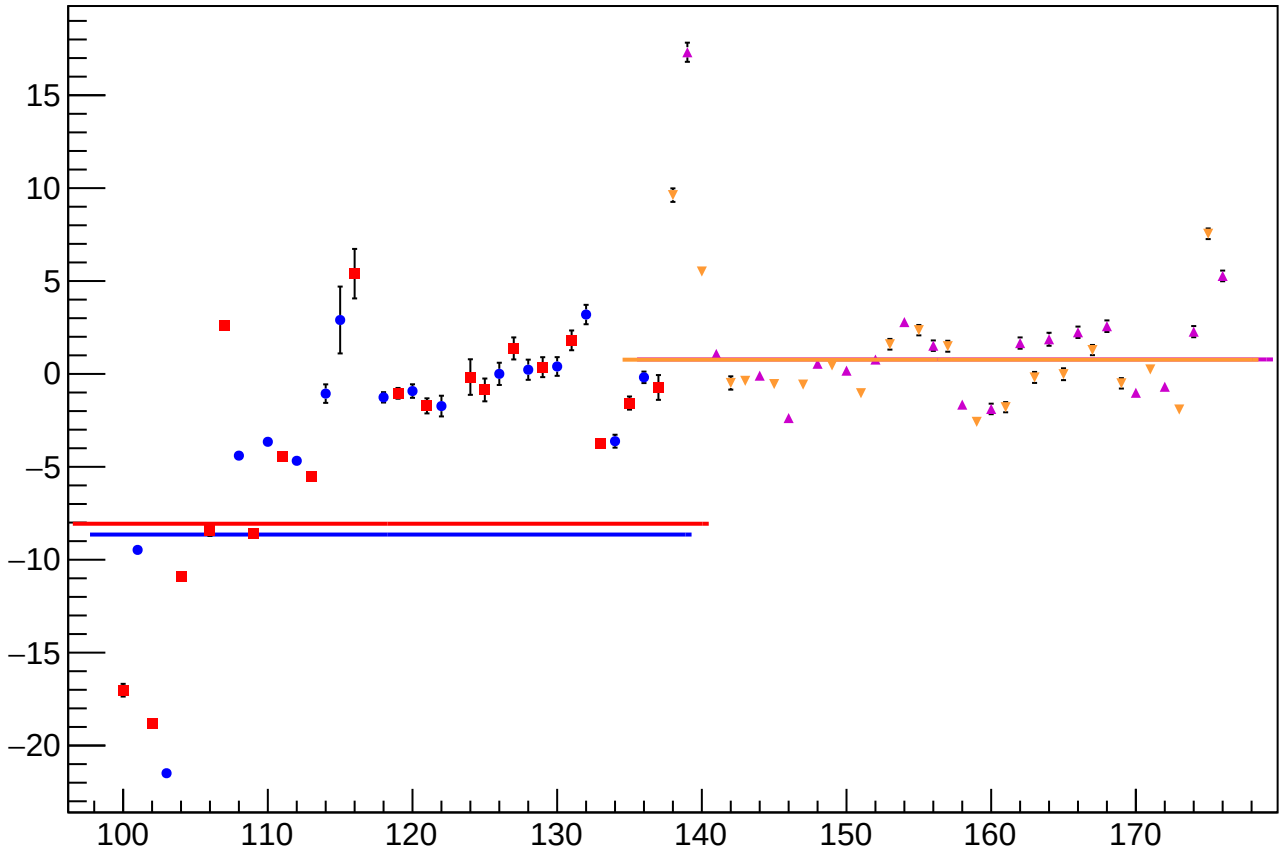
Left: -6.679+/-0.058 χ^2/NDF: 10114.6/38

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.844+/-0.046 χ^2/NDF:7887.4/34

Out: -2.512+/-0.043 χ^2/NDF:10895.8/38

All: -2.670+/-0.031 χ^2/NDF: 18811.2/73



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.767+/-0.059 χ^2/NDF:2194.0/19

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.780+/-0.061 χ^2/NDF:1954.1/18

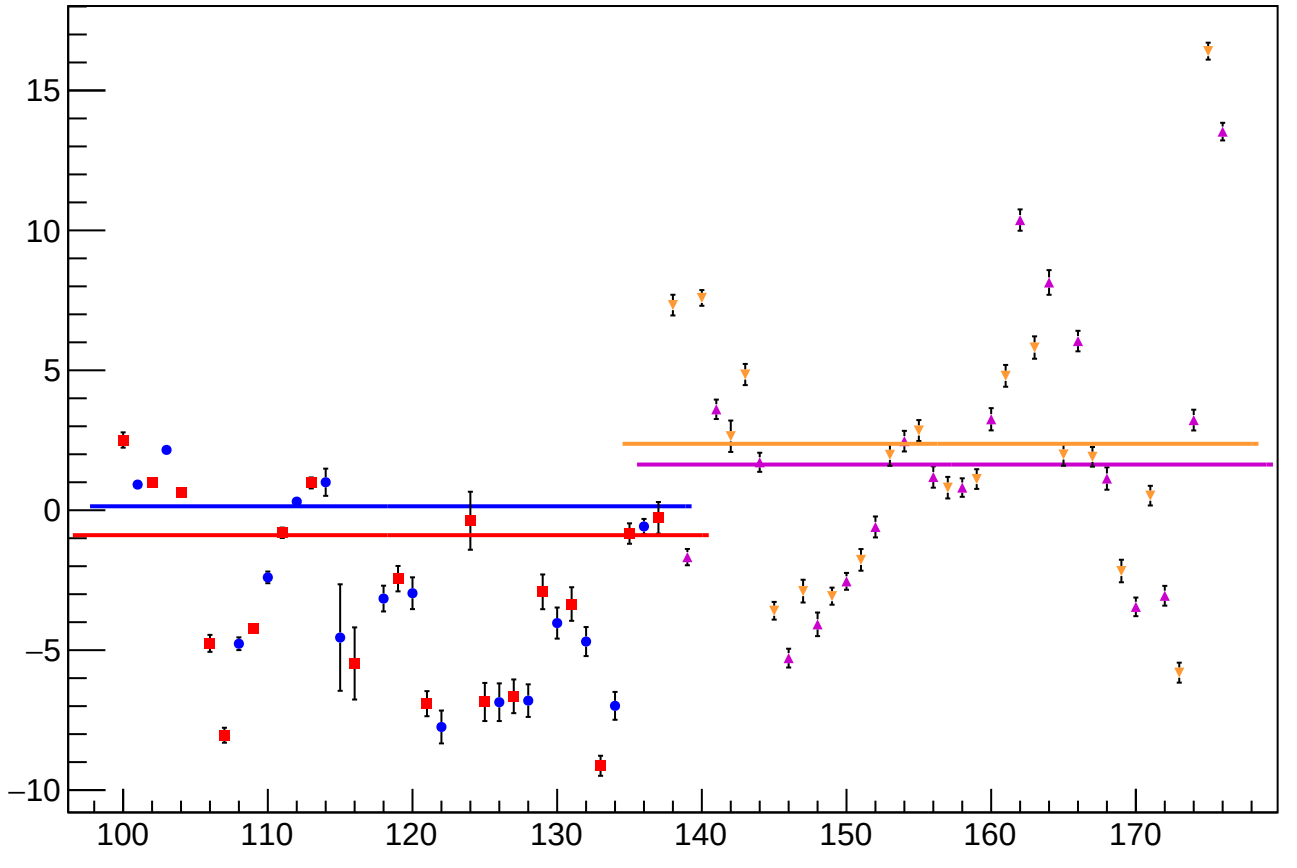
Left: 0.773+/-0.043 χ^2/NDF: 4148.1/38

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.282+/-0.042 χ^2/NDF:28465.4/34

Out: -3.794+/-0.041 χ^2/NDF:28021.2/38

All: -4.036+/-0.029 χ^2/NDF: 56555.6/73



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.374+/-0.081 χ^2/NDF:4497.9/19

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 1.633+/-0.081 χ^2/NDF:3770.2/18

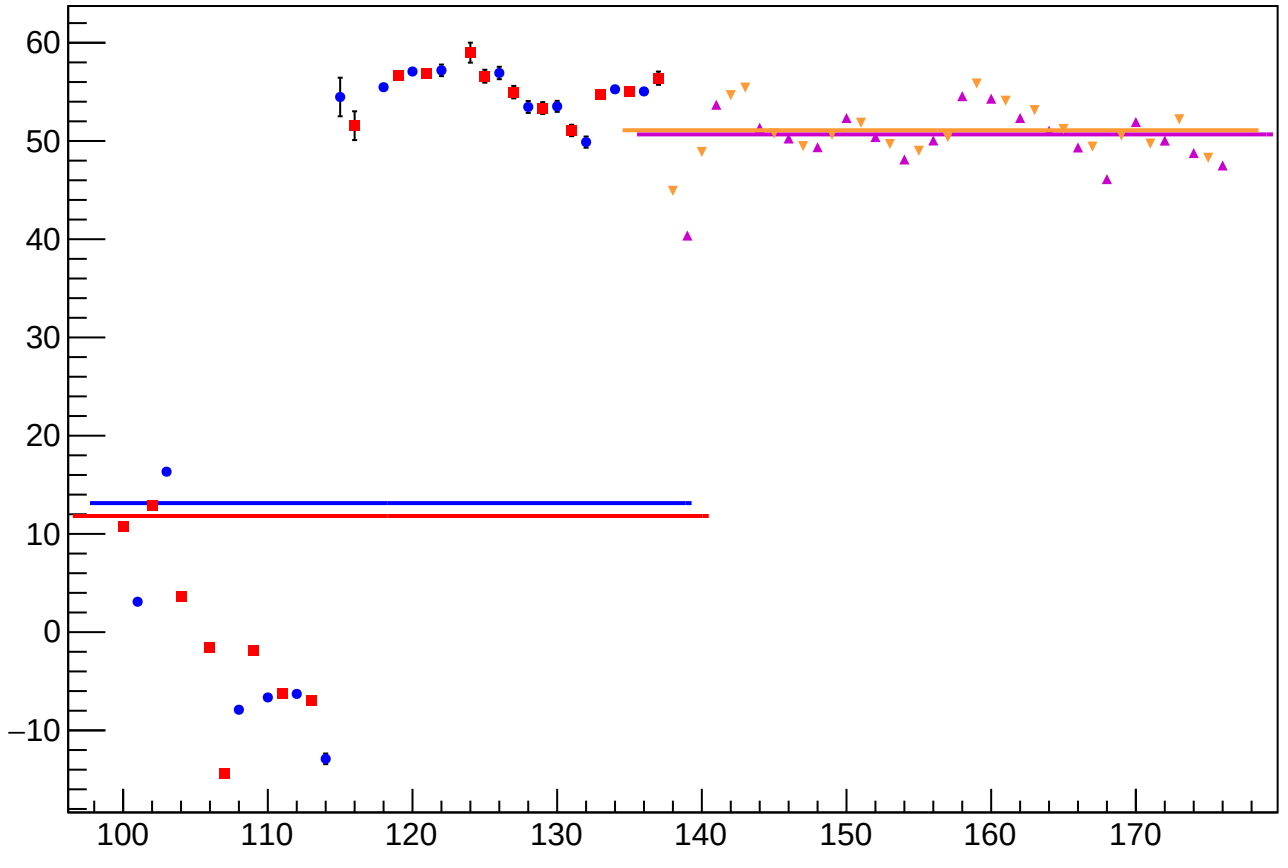
Left: 2.005+/-0.057 χ^2/NDF: 8309.9/38

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.585+/-0.044 χ^2/NDF:5966.2/34

Out: 0.104+/-0.045 χ^2/NDF:8613.5/38

All: 0.346+/-0.031 χ^2/NDF: 14638.1/73



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.092+/-0.068 χ^2/NDF:1276.9/19

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.670+/-0.069 χ^2/NDF:1424.4/18

Left: 50.886+/-0.049 χ^2/NDF: 2720.2/38

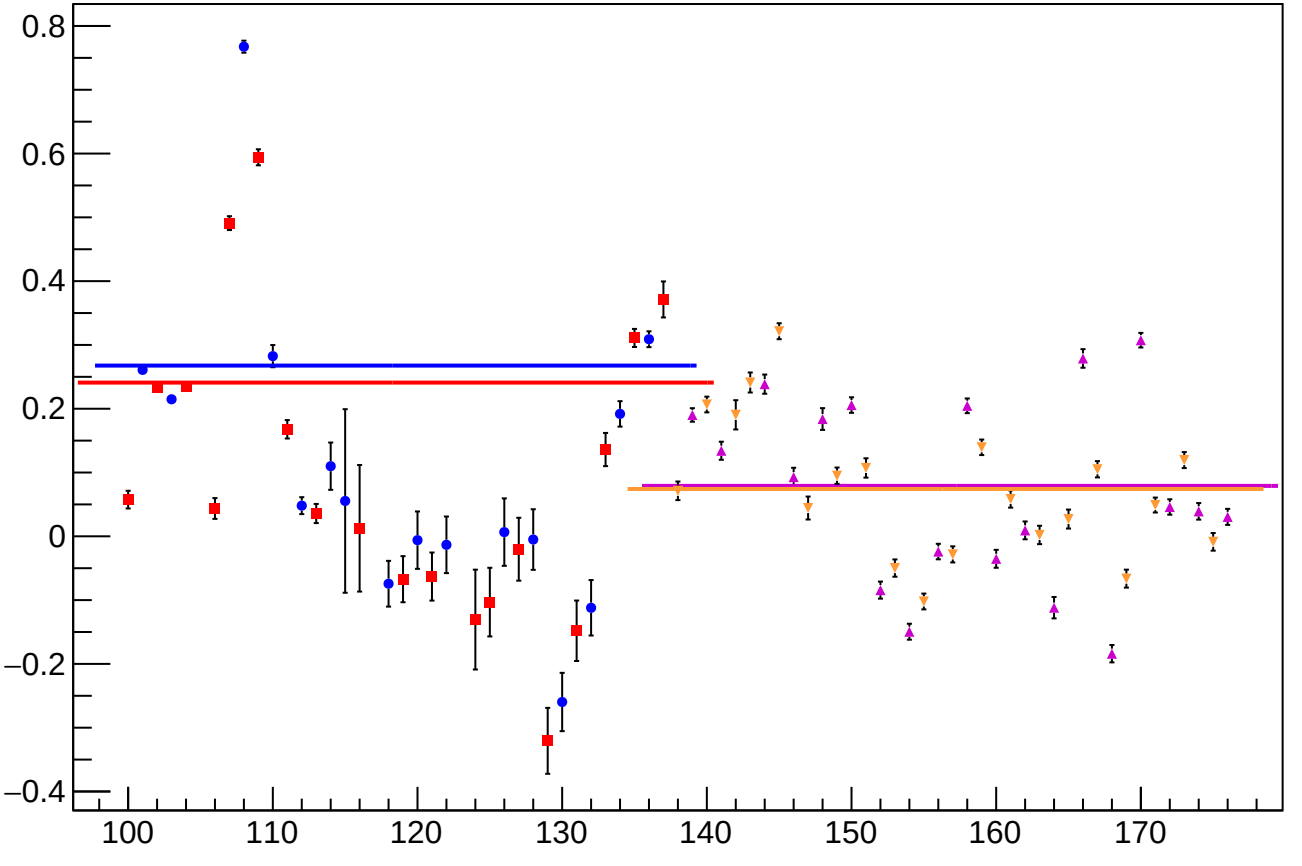
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.490+/-0.049 χ^2/NDF:259233.6/34

Out: 31.438+/-0.048 χ^2/NDF:286787.7/38

All: 31.464+/-0.034 χ^2/NDF: 546021.9/73

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: 0.074+/-0.003 χ^2/NDF:1232.0/19

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.079+/-0.003 χ^2/NDF:2270.5/18

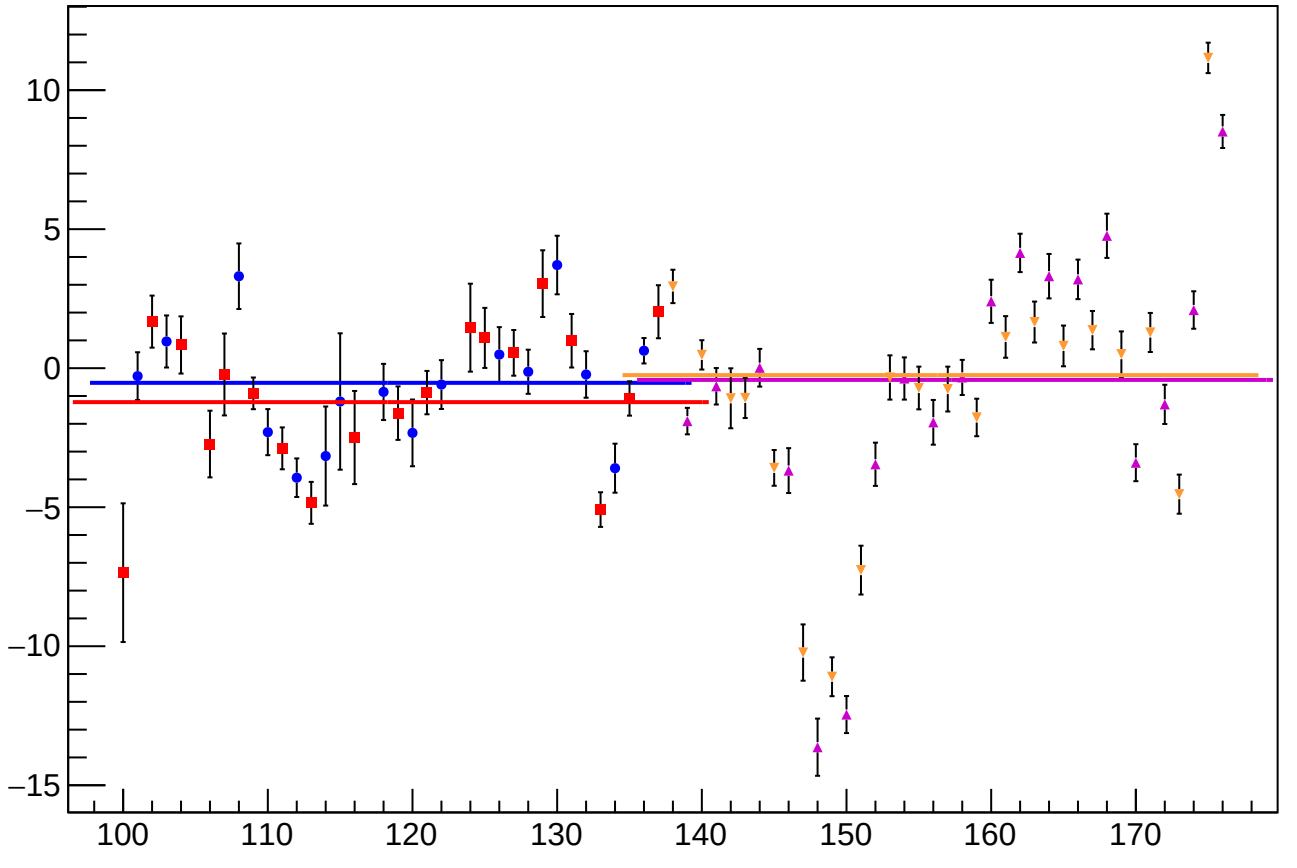
Left: 0.077+/-0.002 χ^2/NDF: 3503.8/38

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.181+/-0.002 χ^2/NDF:8097.4/34

Out: 0.166+/-0.002 χ^2/NDF:5218.7/38

All: 0.173+/-0.001 χ^2/NDF: 13339.7/73



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.249+/-0.159 χ^2/NDF:961.4/19

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -0.422+/-0.160 χ^2/NDF:944.8/18

Left: -0.335+/-0.113 χ^2/NDF: 1906.8/38

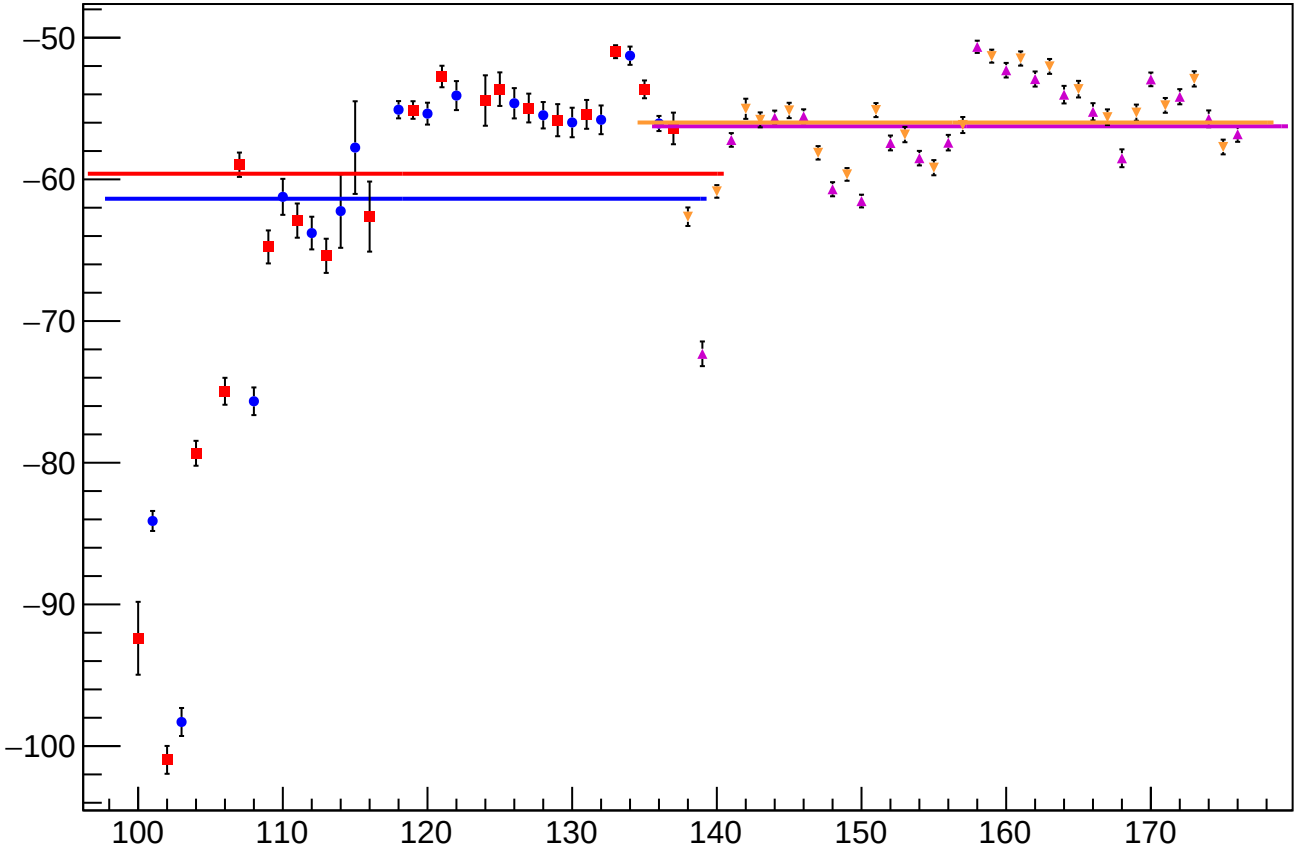
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.459+/-0.129 χ^2/NDF:1027.7/34

Out: -0.616+/-0.126 χ^2/NDF:1106.4/38

All: -0.539+/-0.090 χ^2/NDF: 2134.9/73

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: -55.986+/-0.118 χ^2/NDF:662.3/19

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.253+/-0.122 χ^2/NDF:951.0/18

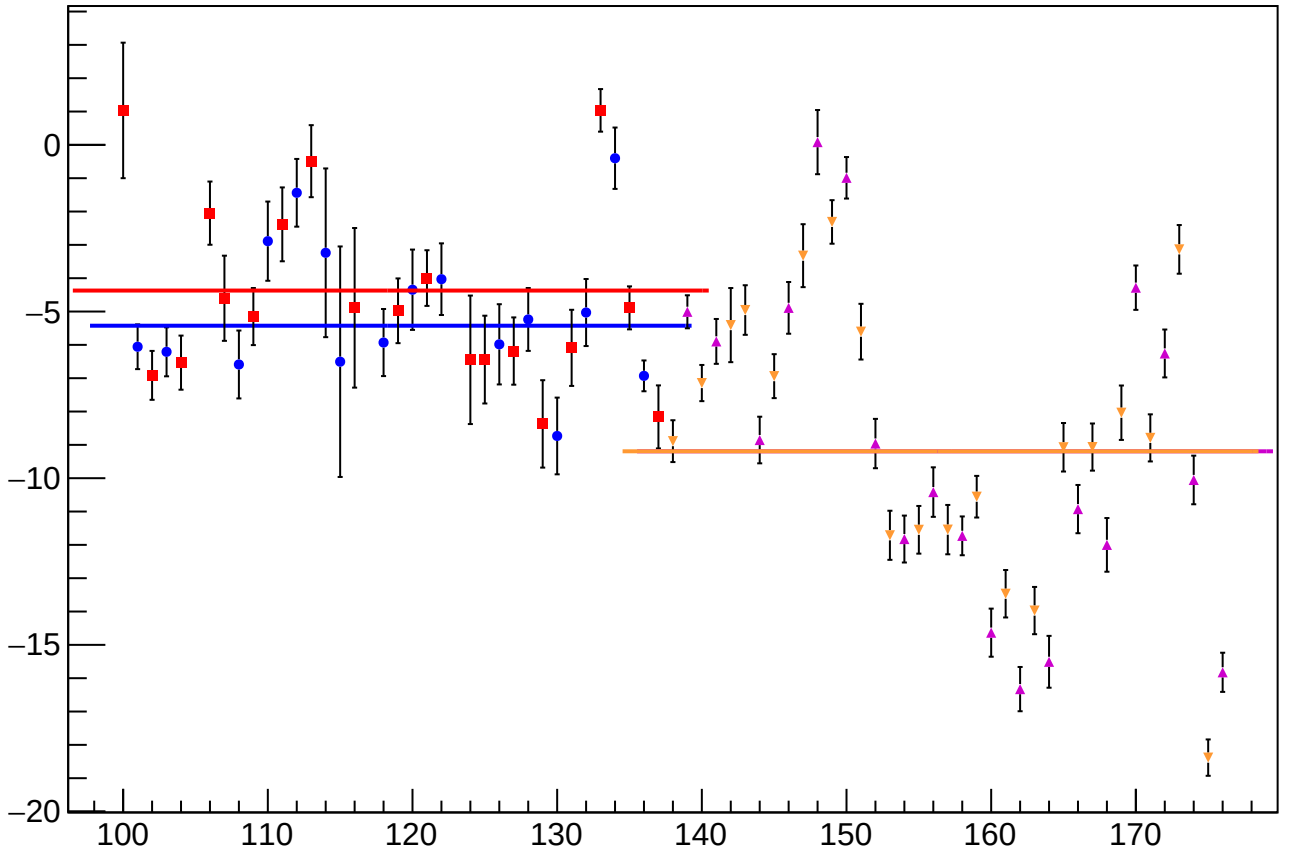
Left: -56.116+/-0.085 χ^2/NDF: 1615.8/38

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.458+/-0.106 χ^2/NDF:4719.0/34

Out: -56.872+/-0.102 χ^2/NDF:4314.7/38

All: -57.154+/-0.074 χ^2/NDF: 9049.4/73



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.193+/-0.157 χ^2/NDF:712.2/19

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -9.193+/-0.157 χ^2/NDF:884.6/18

Left: -9.193+/-0.111 χ^2/NDF: 1596.8/38

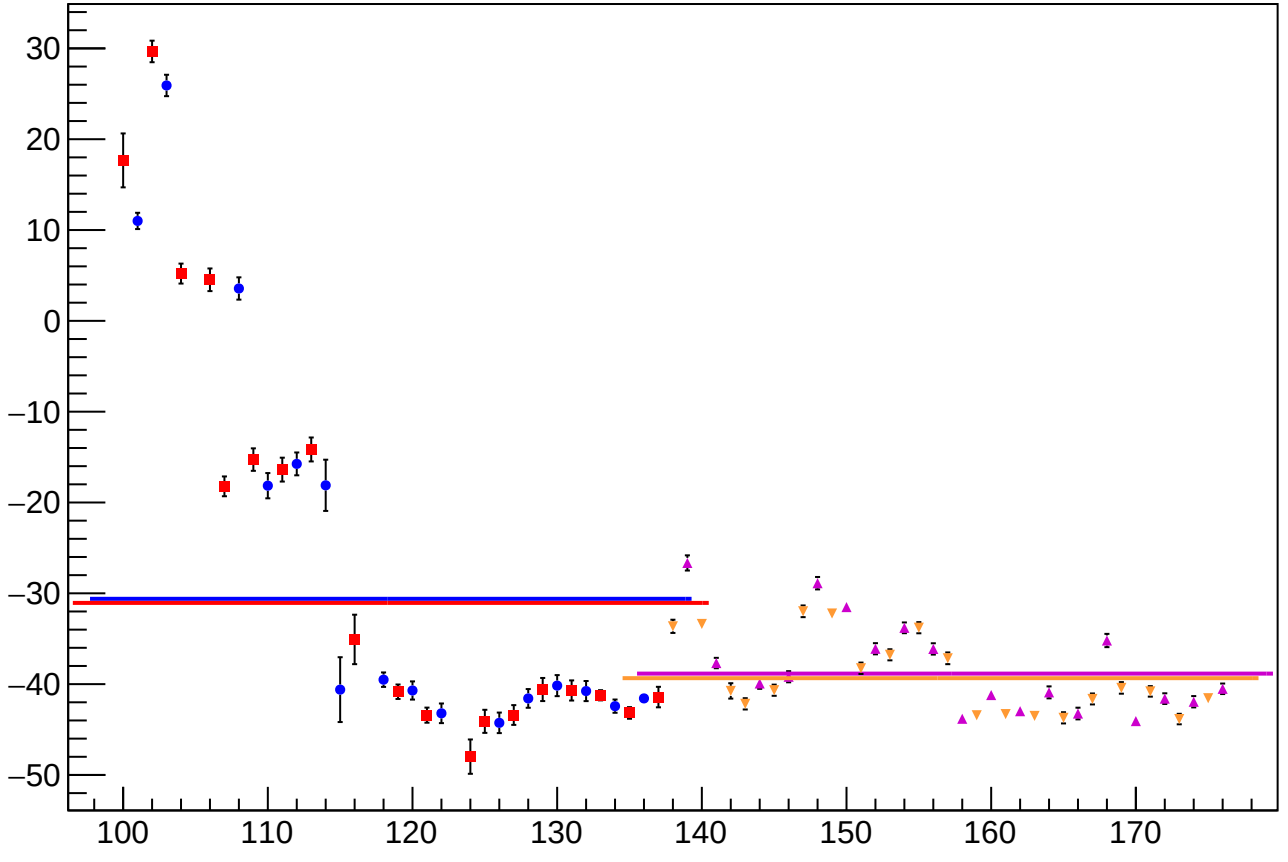
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.994+/-0.130 χ^2/NDF:1143.6/34

Out: -7.589+/-0.128 χ^2/NDF:1182.3/38

All: -7.789+/-0.091 χ^2/NDF: 2330.9/73

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: -39.343+/-0.133 χ^2/NDF:967.4/19

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.841+/-0.136 χ^2/NDF:1171.2/18

Left: -39.098+/-0.095 χ^2/NDF: 2145.5/38

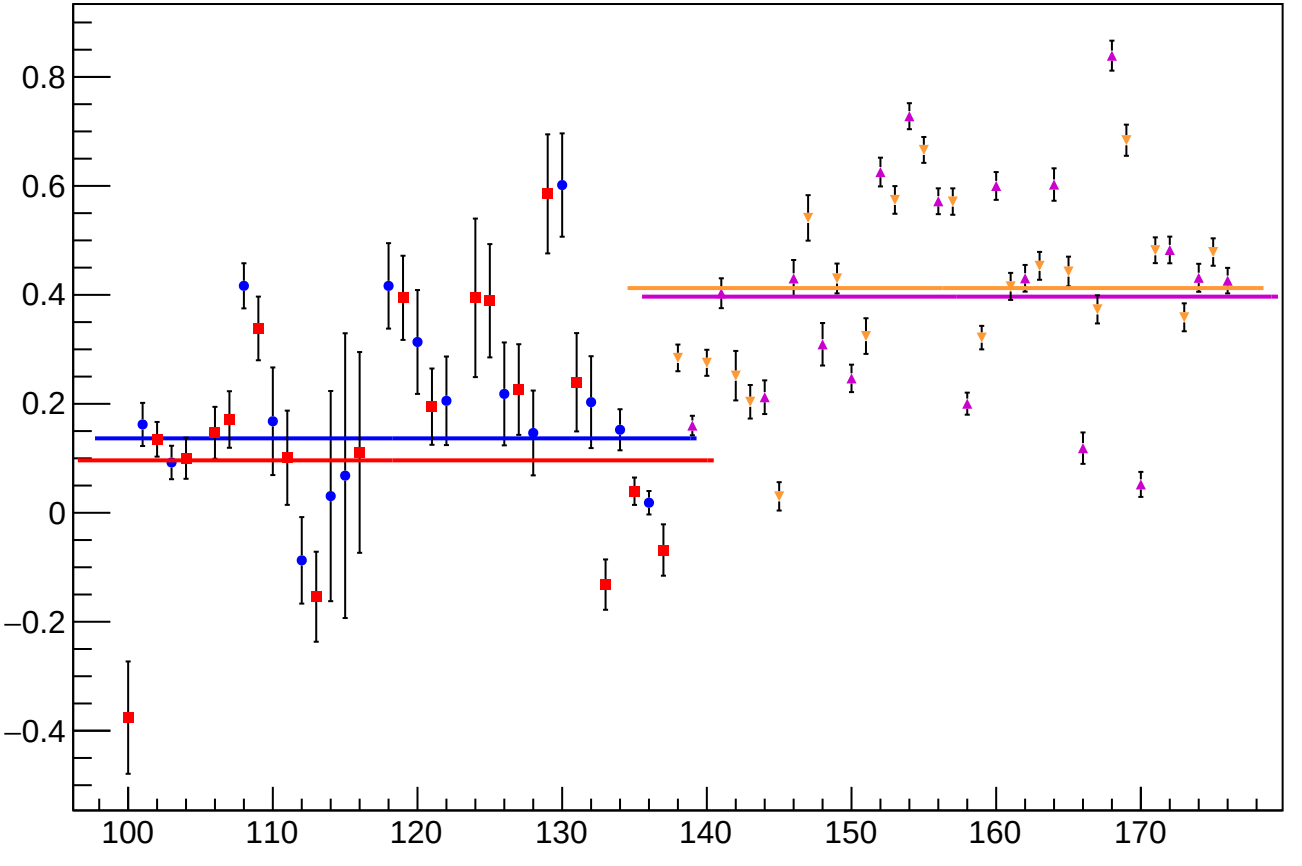
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.950+/-0.119 χ^2/NDF:8949.4/34

Out: -37.365+/-0.116 χ^2/NDF:8868.6/38

All: -37.163+/-0.083 χ^2/NDF: 17824.2/73

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.412+/-0.006 χ^2/NDF:682.8/19

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.397+/-0.006 χ^2/NDF:1373.6/18

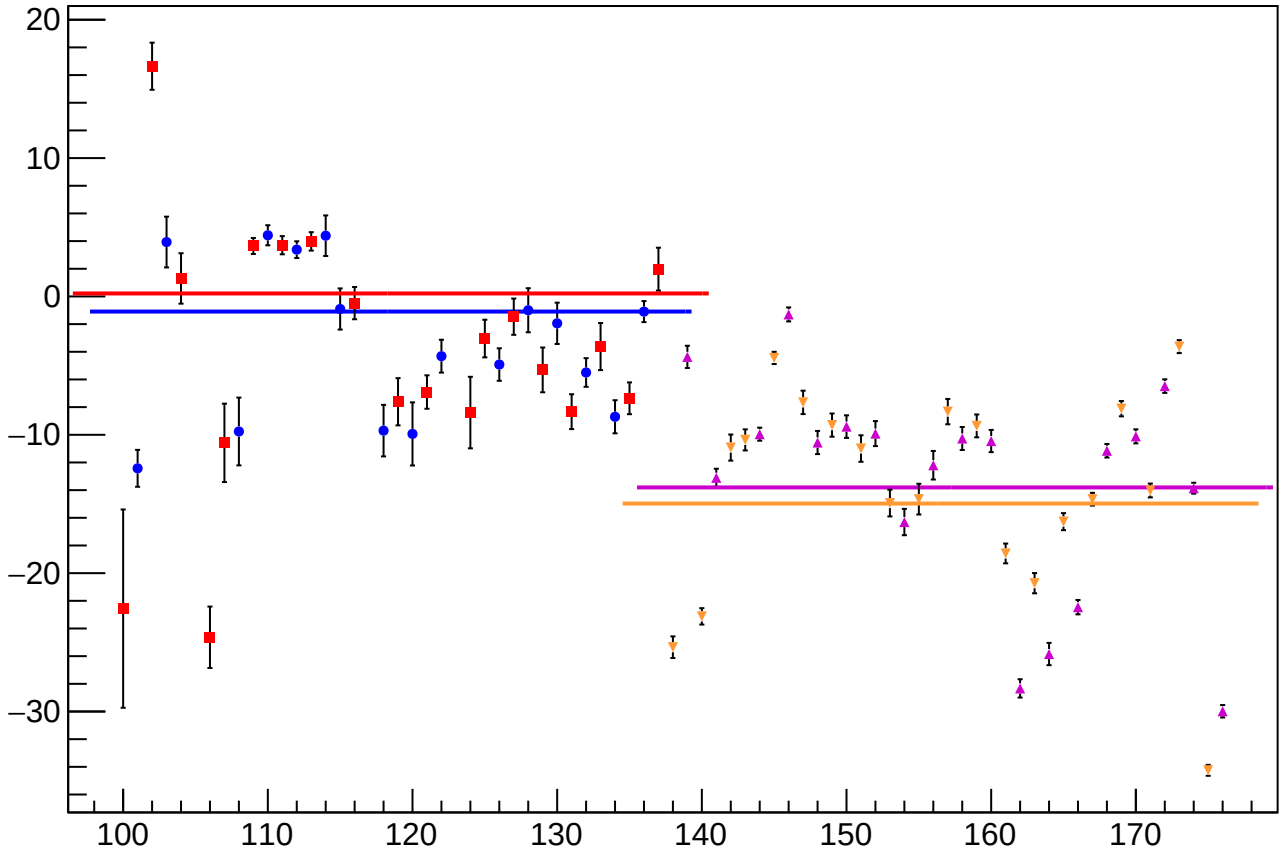
Left: 0.404+/-0.004 χ^2/NDF: 2060.0/38

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.351+/-0.005 χ^2/NDF:1859.3/34

Out: 0.353+/-0.005 χ^2/NDF:1364.2/38

All: 0.352+/-0.004 χ^2/NDF: 3223.6/73



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.968+/-0.141 χ^2/NDF:4429.4/19

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -13.804+/-0.138 χ^2/NDF:3491.8/18

Left: -14.373+/-0.099 χ^2/NDF: 7956.0/38

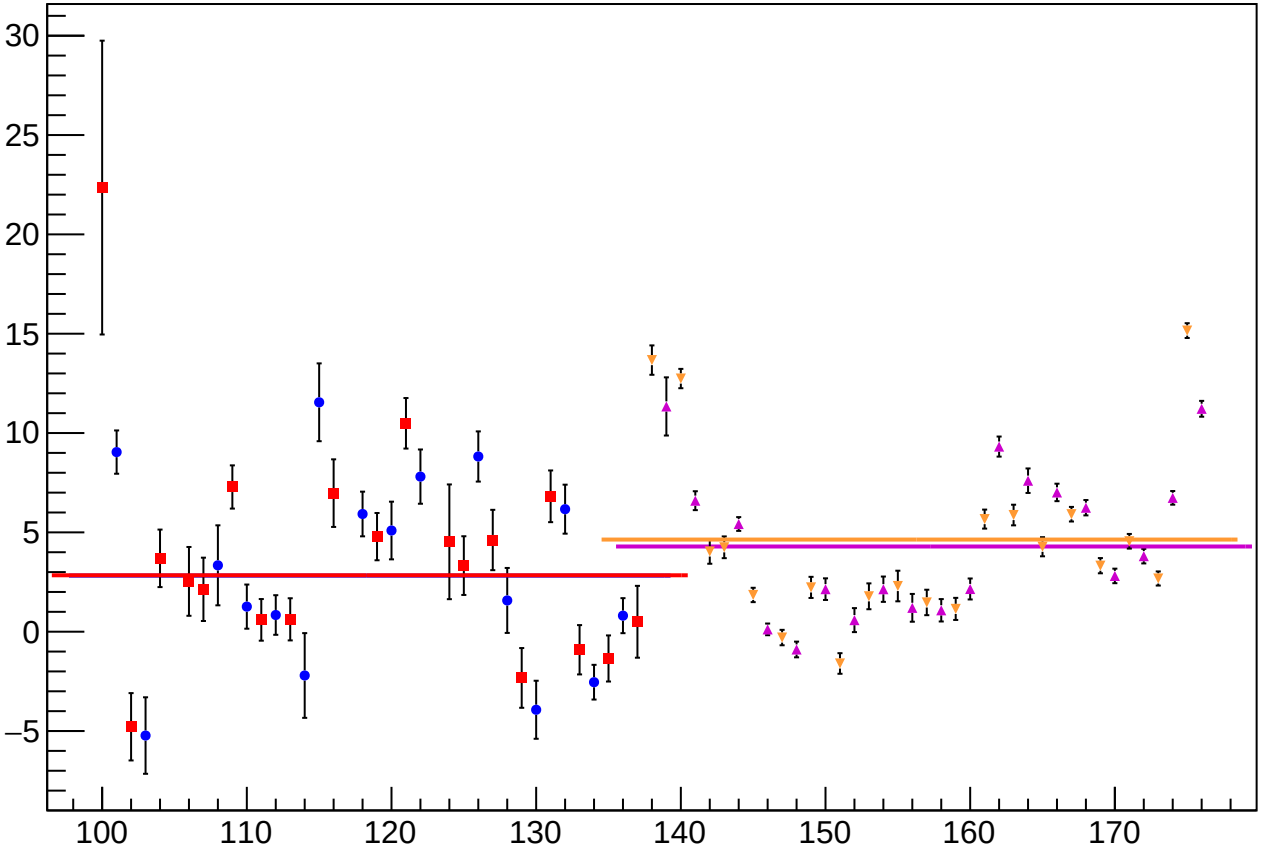
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -11.331+/-0.124 χ^2/NDF:5477.1/34

Out: -11.638+/-0.125 χ^2/NDF:7490.6/38

All: -11.483+/-0.088 χ^2/NDF: 12970.7/73

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: 4.638+/-0.104 χ^2/NDF:1769.3/19

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 4.289+/-0.102 χ^2/NDF:1126.1/18

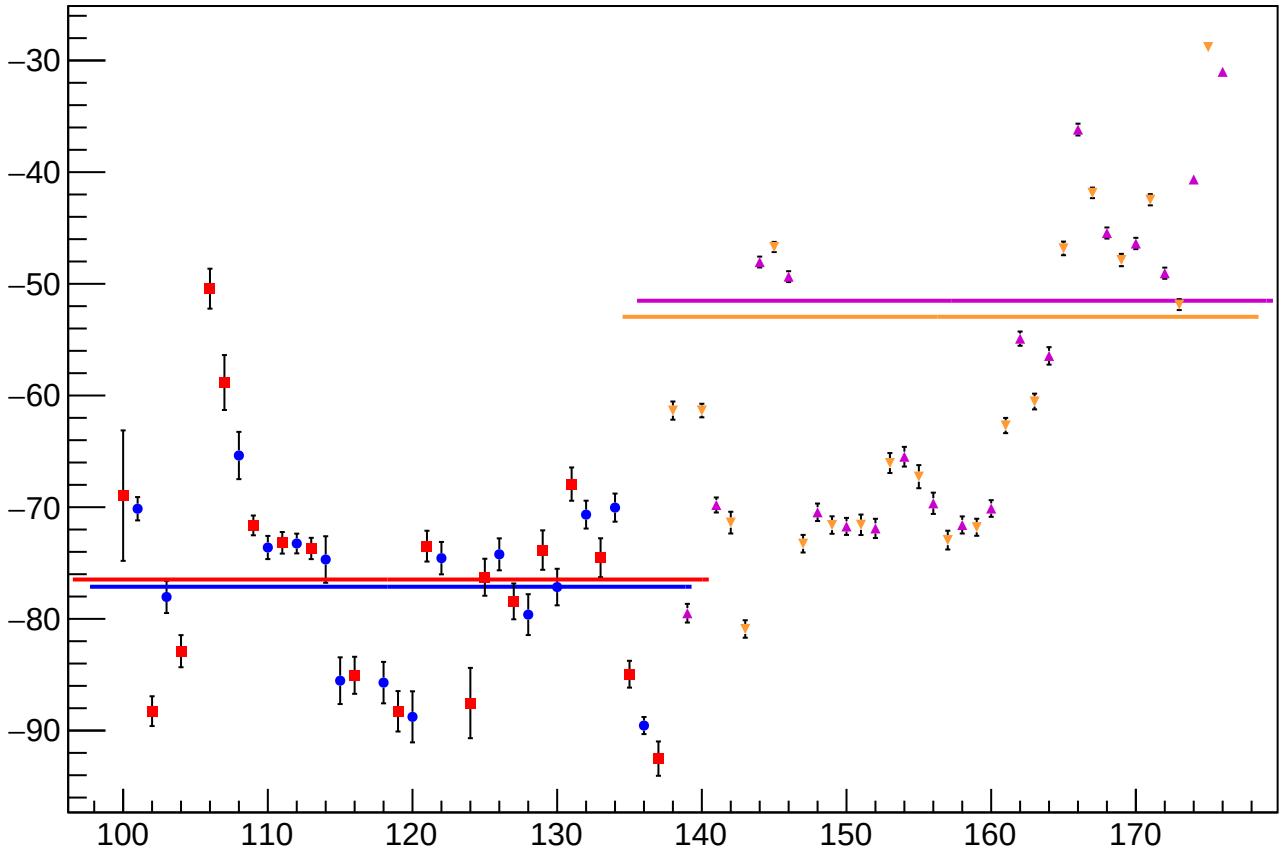
Left: 4.459+/-0.073 χ^2/NDF: 2901.1/38

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 4.149+/-0.097 χ^2/NDF:1345.4/34

Out: 4.468+/-0.099 χ^2/NDF:1942.4/38

All: 4.305+/-0.069 χ^2/NDF: 3293.2/73



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.952+/-0.141 χ^2/NDF:10535.4/19

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -51.514+/-0.138 χ^2/NDF:9638.1/18

Left: -52.217+/-0.098 χ^2/NDF: 20227.0/38

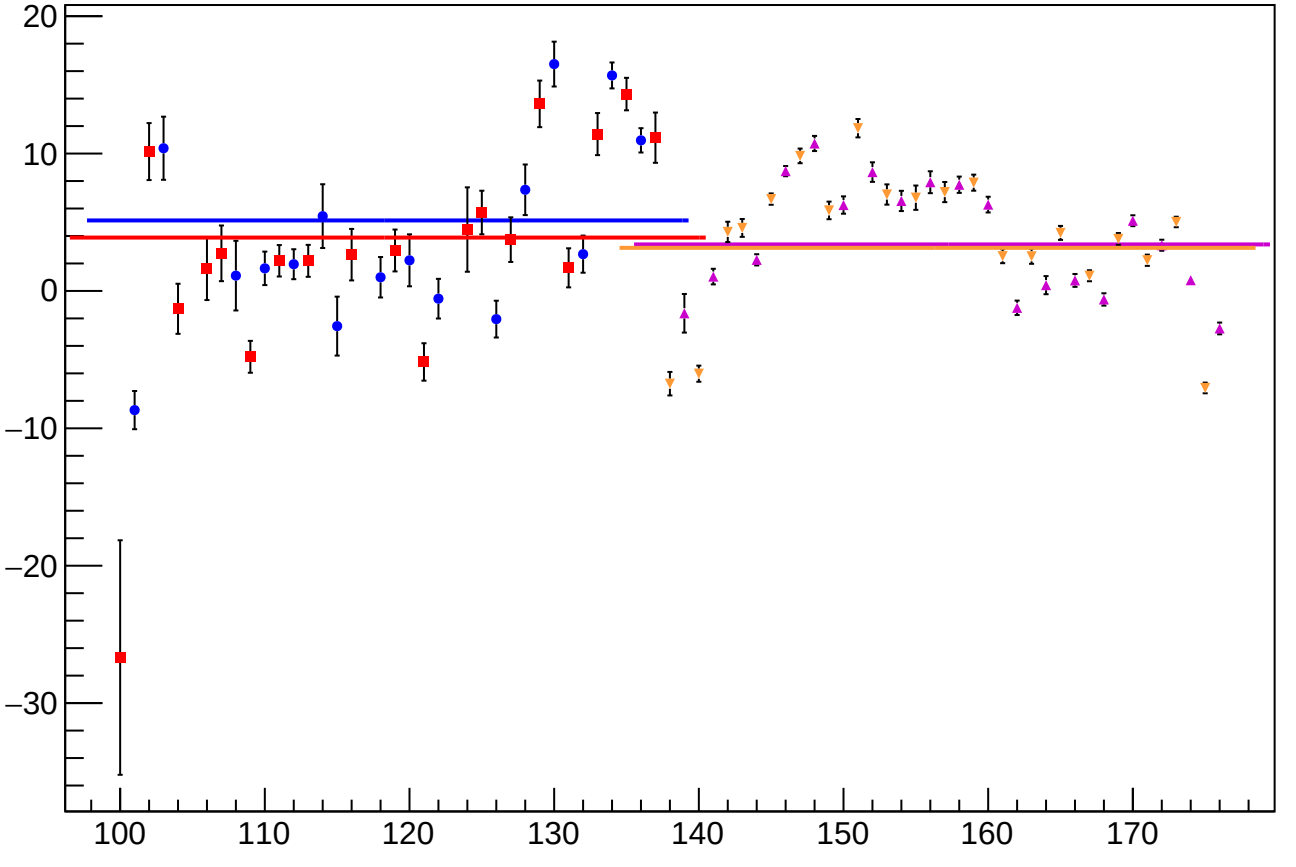
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -55.381+/-0.127 χ^2/NDF:15371.4/34

Out: -56.598+/-0.129 χ^2/NDF:15564.5/38

All: -55.977+/-0.091 χ^2/NDF: 30981.0/73

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: 3.137+/-0.117 χ^2/NDF:1694.6/19

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 3.386+/-0.115 χ^2/NDF:1108.7/18

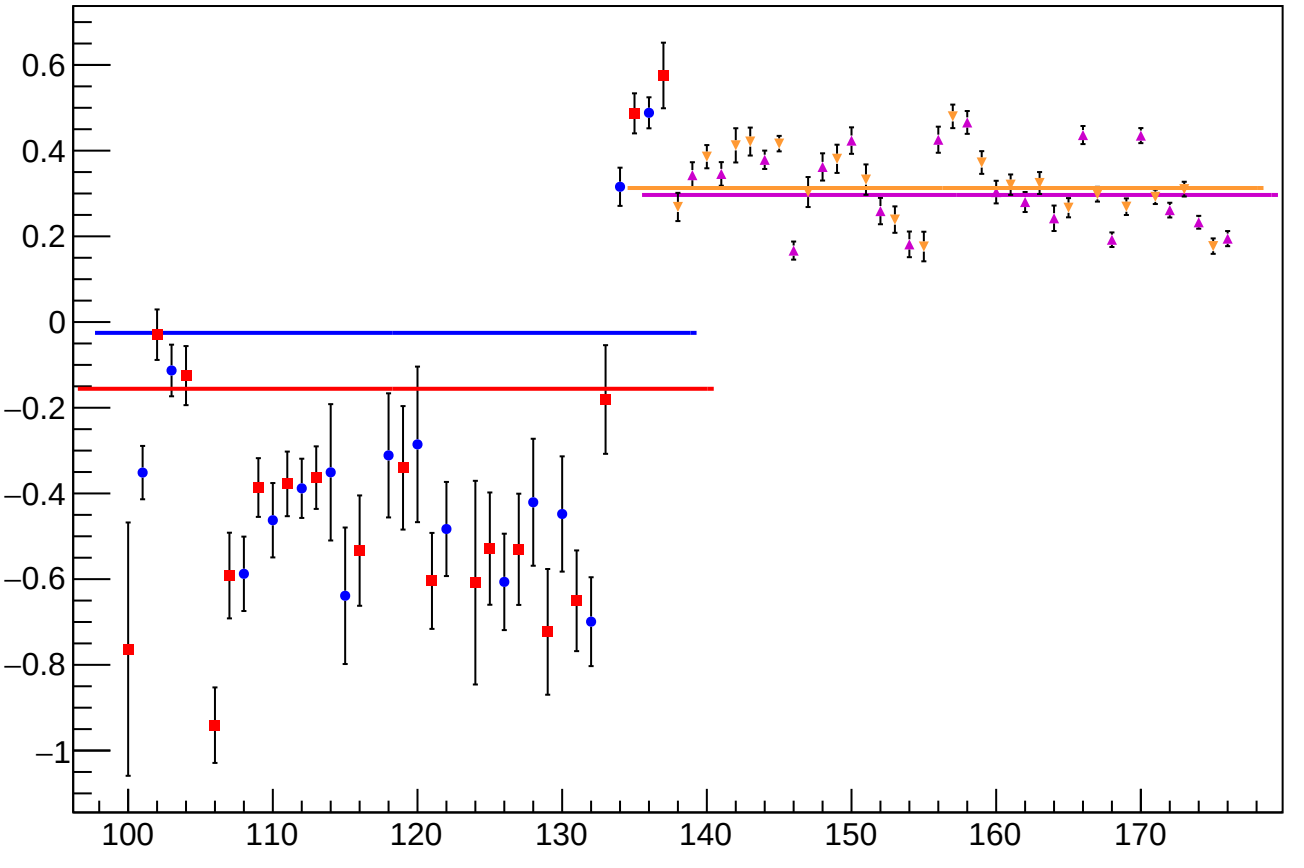
Left: 3.264+/-0.082 χ^2/NDF: 2805.5/38

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.557+/-0.110 χ^2/NDF:1543.5/34

Out: 3.209+/-0.112 χ^2/NDF:1989.9/38

All: 3.386+/-0.078 χ^2/NDF: 3538.4/73



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.313+/-0.005 χ^2/NDF:195.7/19

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.297+/-0.005 χ^2/NDF:356.9/18

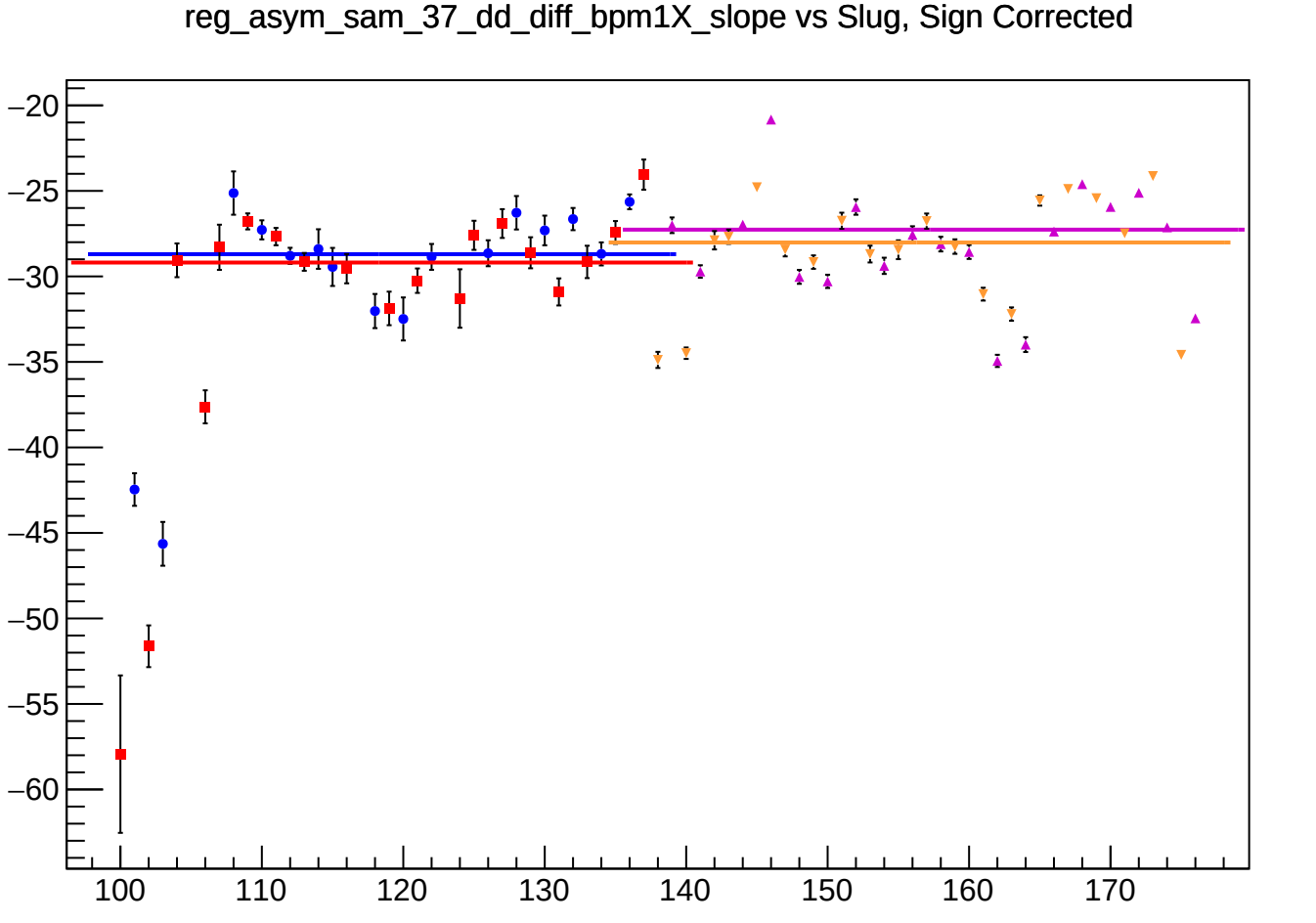
Left: 0.304+/-0.004 χ^2/NDF: 557.4/38

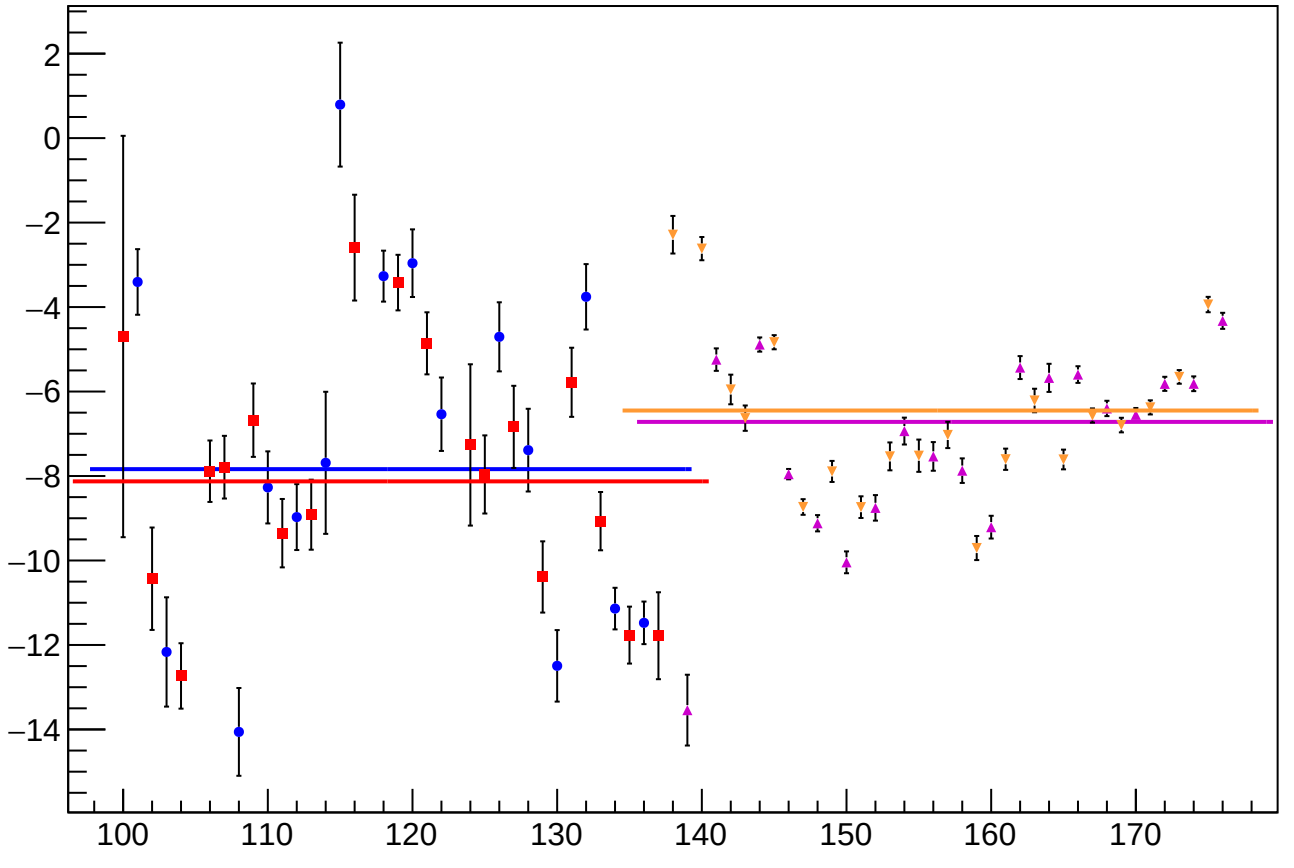
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.275+/-0.005 χ^2/NDF:1138.2/34

Out: 0.282+/-0.005 χ^2/NDF:1193.2/38

All: 0.278+/-0.004 χ^2/NDF: 2332.7/73


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
−60
100
110
120
130
140
150
160
170
Right In: -28.698+/-0.186 χ2/NDF: 487.3/15
Left Out: -28.017+/-0.068 χ2/NDF:2931.0/19
Right Out: -29.189+/-0.181 χ2/NDF: 557.3/18
Left In: -27.266+/-0.066 χ2/NDF:2721.2/18
Left: -27.628+/-0.048 χ2/NDF: 5714.5/38
Right: -28.950+/-0.130 χ2/NDF: 1048.2/34
In: -27.427+/-0.062 χ2/NDF:3261.2/34
Out: -28.163+/-0.064 χ2/NDF:3524.9/38
All: -27.784+/-0.045 χ2/NDF: 6854.2/73



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.449+/-0.050 χ^2/NDF:1059.8/19

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.719+/-0.048 χ^2/NDF:1073.4/18

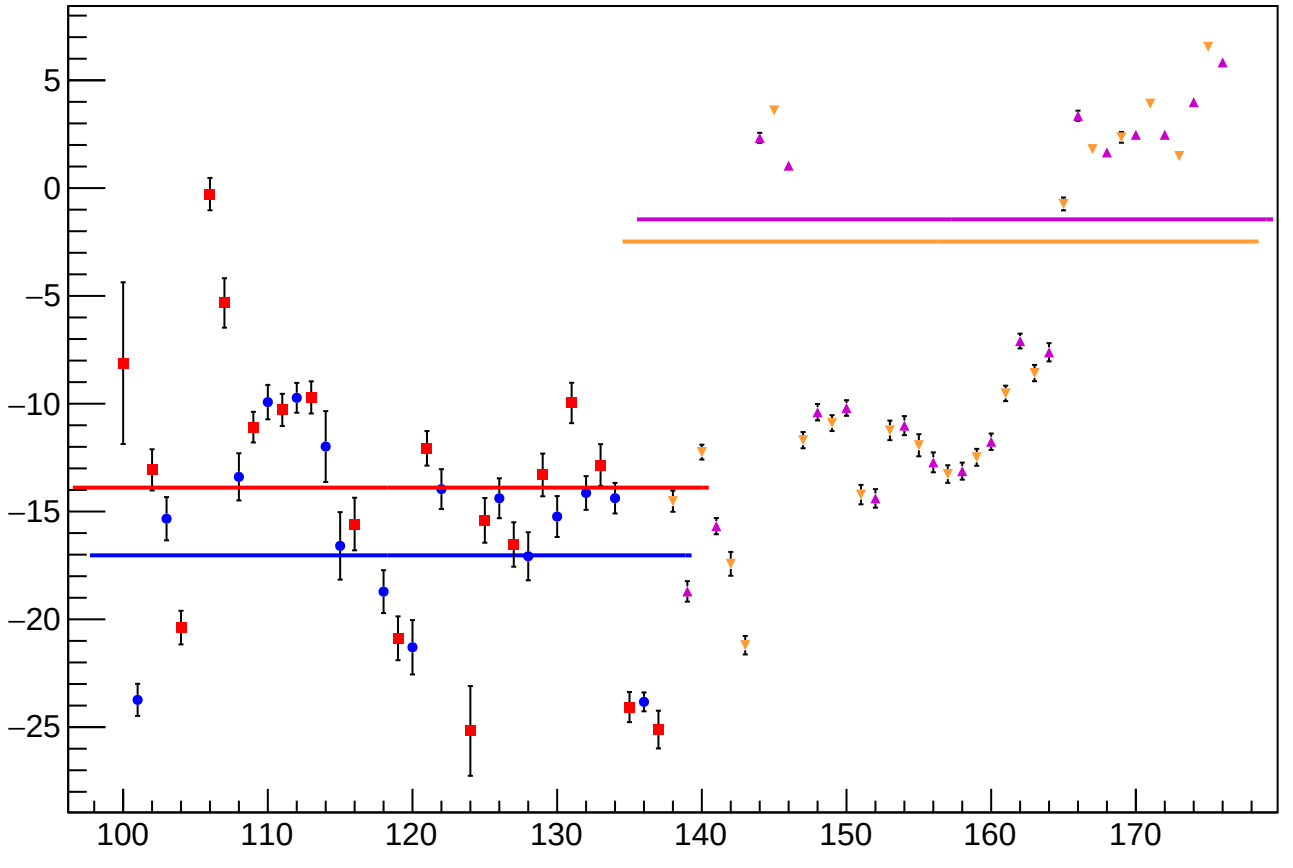
Left: -6.590+/-0.035 χ^2/NDF: 2148.0/38

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.783+/-0.047 χ^2/NDF:1487.6/34

Out: -6.553+/-0.049 χ^2/NDF:1325.4/38

All: -6.673+/-0.034 χ^2/NDF: 2824.5/73



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.478+/-0.068 χ^2/NDF:13483.3/19

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -1.450+/-0.066 χ^2/NDF:11352.5/18

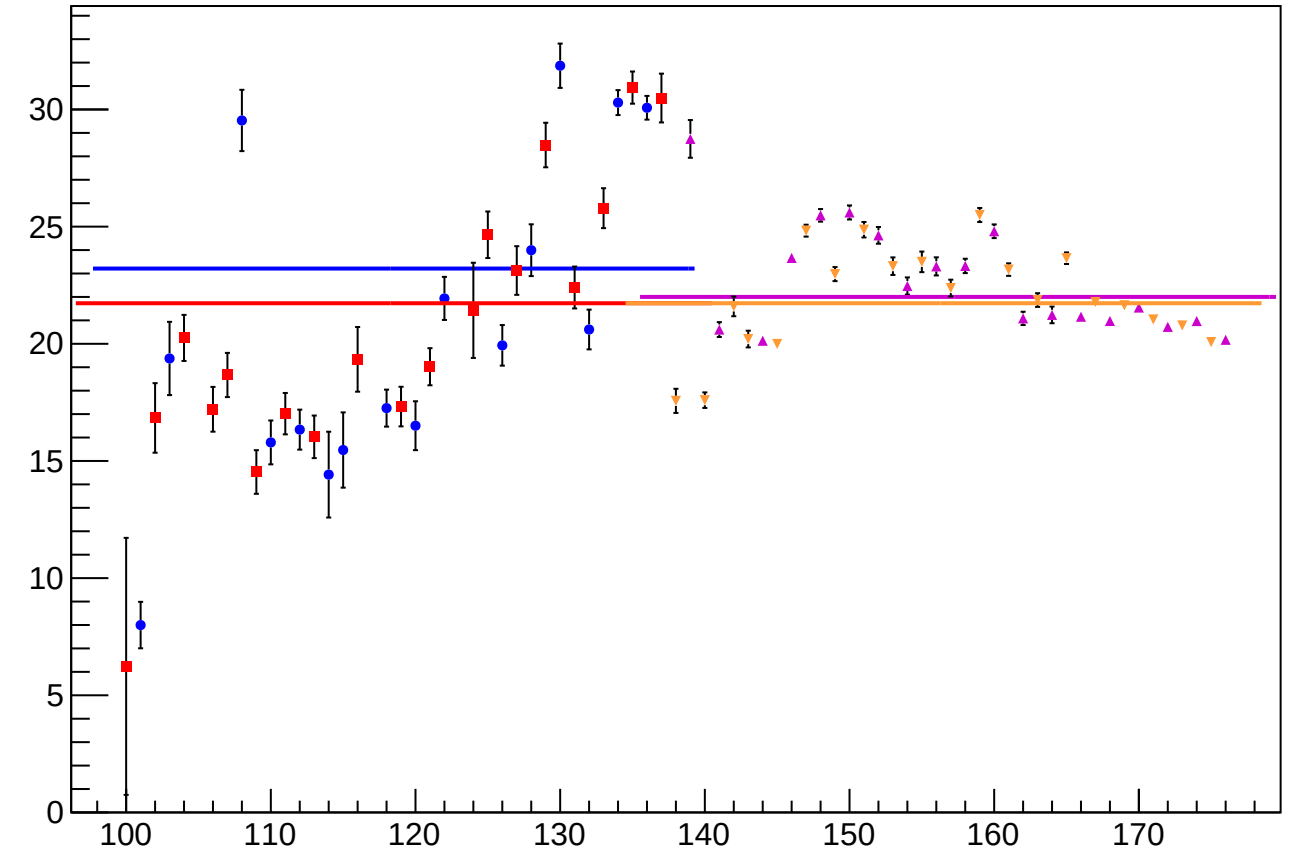
Left: -1.945+/-0.047 χ^2/NDF: 24953.5/38

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -2.851+/-0.063 χ^2/NDF:16995.1/34

Out: -3.575+/-0.065 χ^2/NDF:17188.2/38

All: -3.201+/-0.045 χ^2/NDF: 34247.5/73



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.731+/-0.057 χ^2/NDF:981.1/19

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.001+/-0.055 χ^2/NDF:1009.3/18

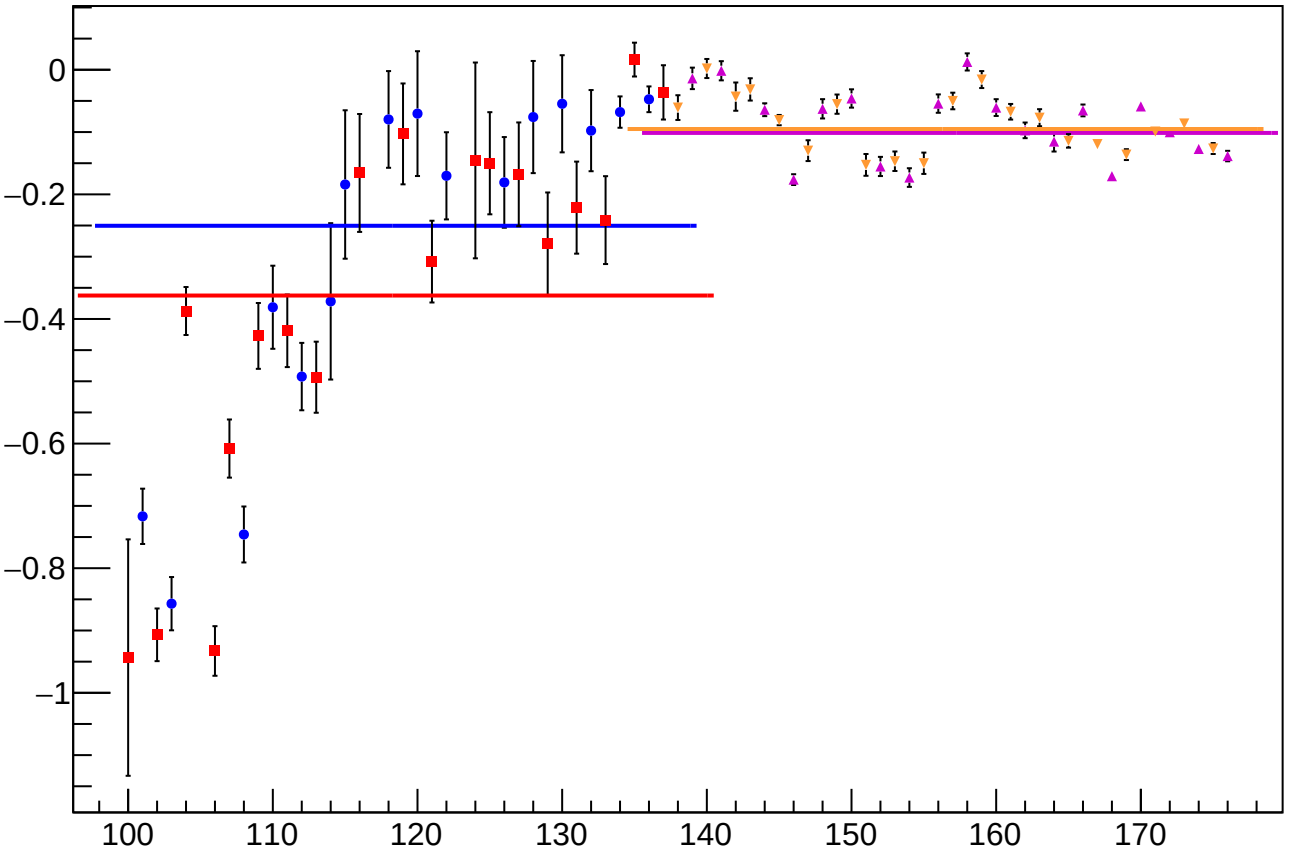
Left: 21.871+/-0.040 χ^2/NDF: 2002.1/38

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.074+/-0.053 χ^2/NDF:2046.5/34

Out: 21.731+/-0.055 χ^2/NDF:1539.3/38

All: 21.908+/-0.038 χ^2/NDF: 3605.7/73



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.095+/-0.003 χ^2/NDF:208.2/19

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.101+/-0.002 χ^2/NDF:451.7/18

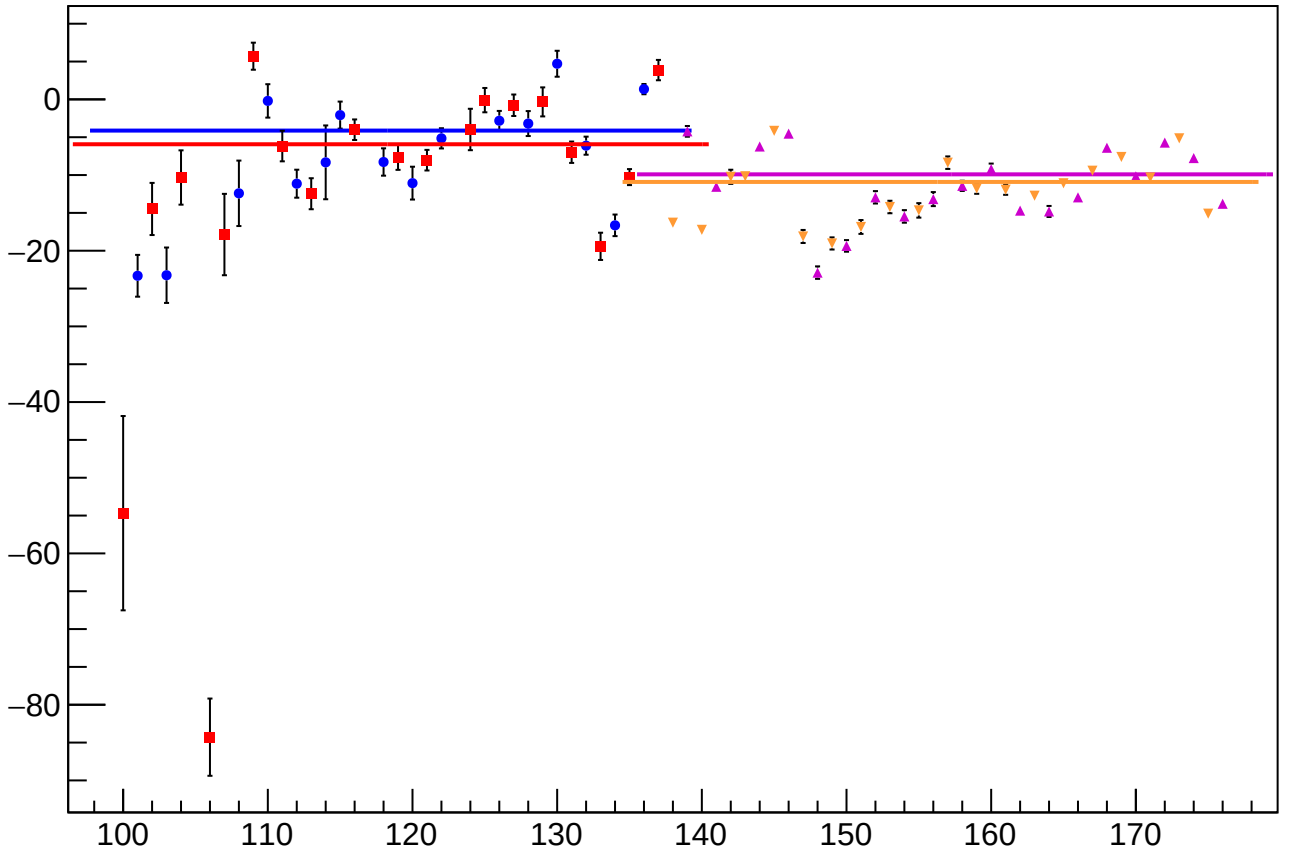
Left: -0.098+/-0.002 χ^2/NDF: 663.0/38

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.108+/-0.002 χ^2/NDF:1241.7/34

Out: -0.106+/-0.003 χ^2/NDF:1361.6/38

All: -0.107+/-0.002 χ^2/NDF: 2603.5/73



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.910+/-0.121 χ^2/NDF:1258.5/19

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.907+/-0.118 χ^2/NDF:1292.9/18

Left: -10.396+/-0.084 χ^2/NDF: 2586.7/38

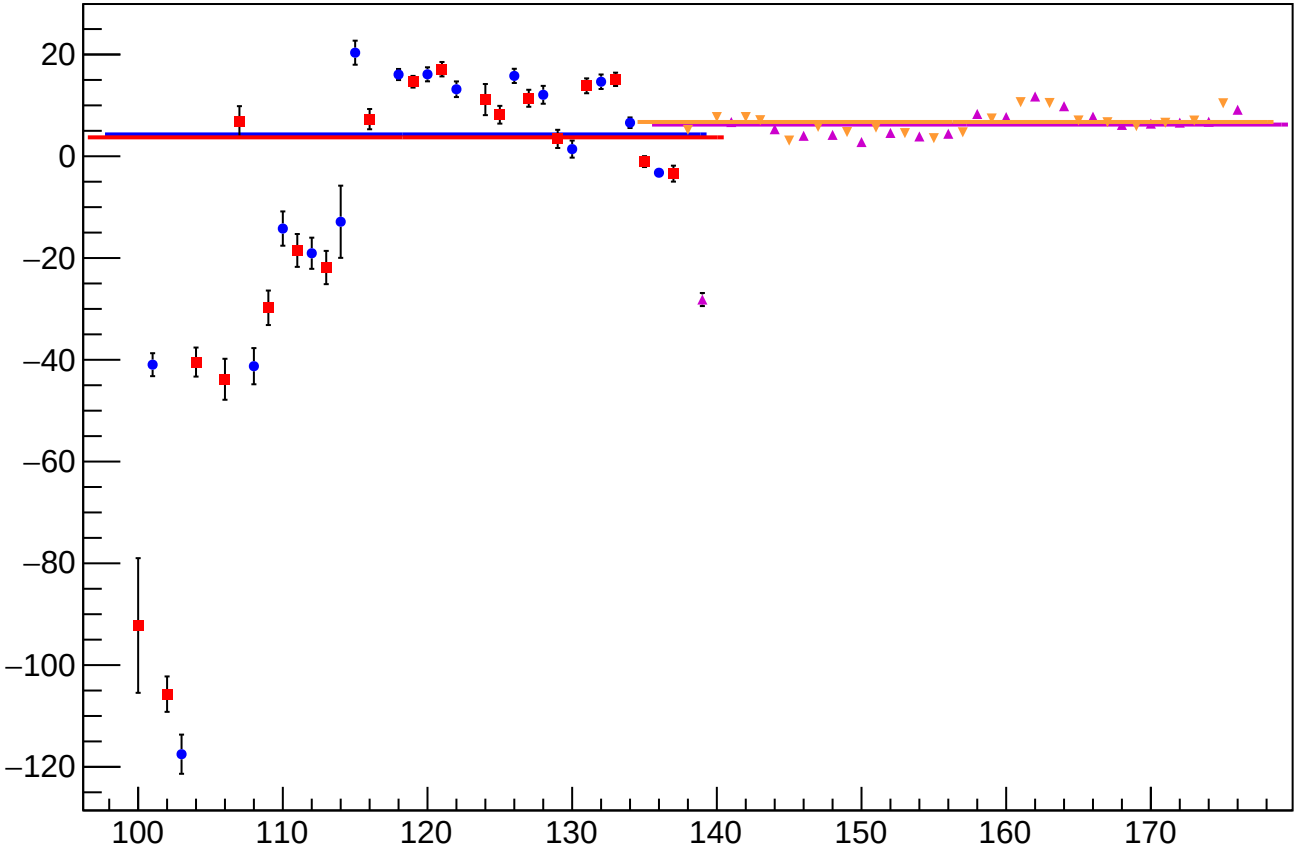
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.404+/-0.113 χ^2/NDF:1790.3/34

Out: -10.509+/-0.116 χ^2/NDF:1878.2/38

All: -9.941+/-0.081 χ^2/NDF: 3715.4/73

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: 6.739+/-0.090 χ^2/NDF:543.6/19

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.227+/-0.088 χ^2/NDF:1236.1/18

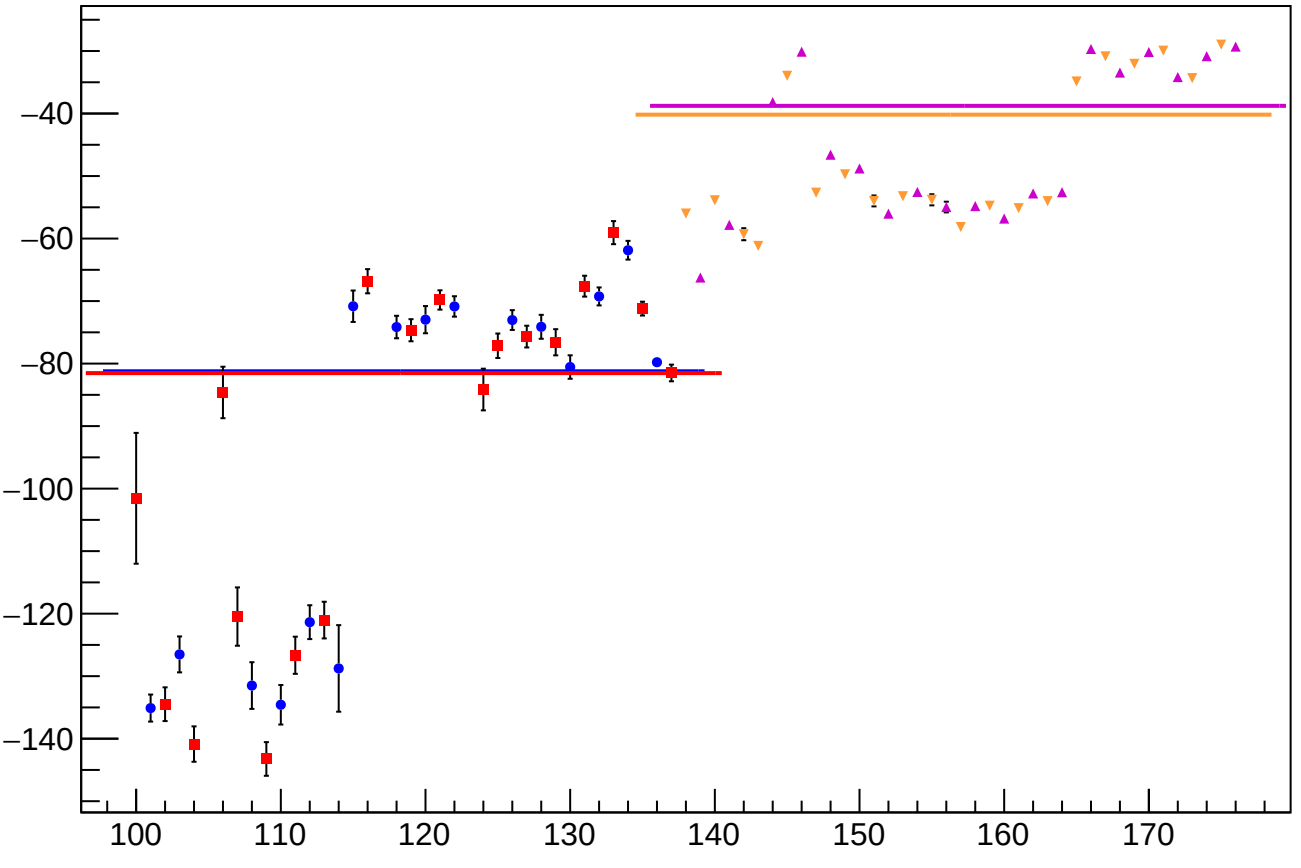
Left: 6.476+/-0.063 χ^2/NDF: 1796.2/38

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.131+/-0.086 χ^2/NDF:3429.2/34

Out: 6.607+/-0.088 χ^2/NDF:2599.8/38

All: 6.362+/-0.062 χ^2/NDF: 6044.0/73



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -40.179+/-0.121 χ^2/NDF:8964.6/19

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -38.769+/-0.118 χ^2/NDF:8886.6/18

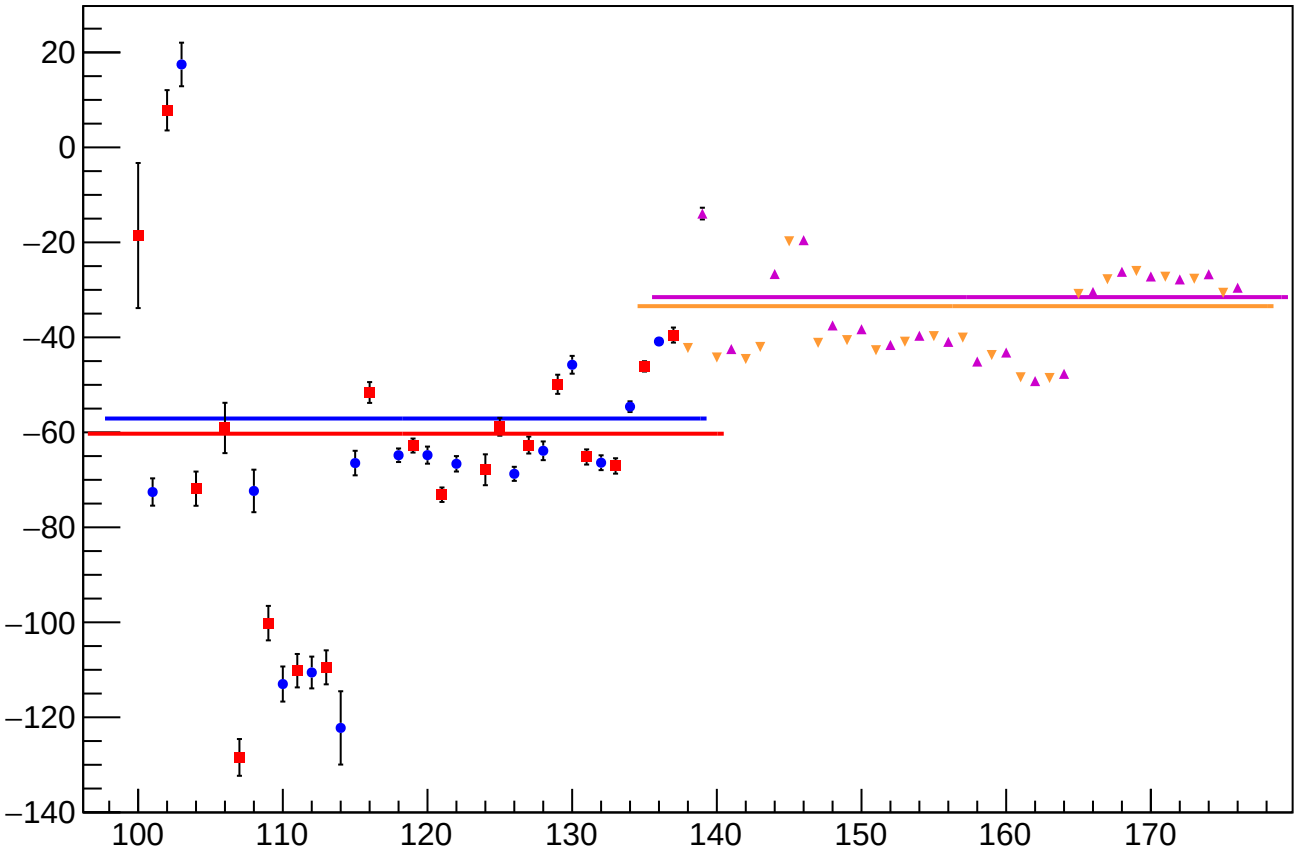
Left: -39.457+/-0.084 χ^2/NDF: 17921.3/38

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -41.902+/-0.113 χ^2/NDF:20469.2/34

Out: -42.818+/-0.117 χ^2/NDF:18767.9/38

All: -42.346+/-0.081 χ^2/NDF: 39268.8/73



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.431+/-0.101 χ^2/NDF:7264.3/19

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.527+/-0.099 χ^2/NDF:7284.2/18

Left: -32.460+/-0.071 χ^2/NDF: 14728.9/38

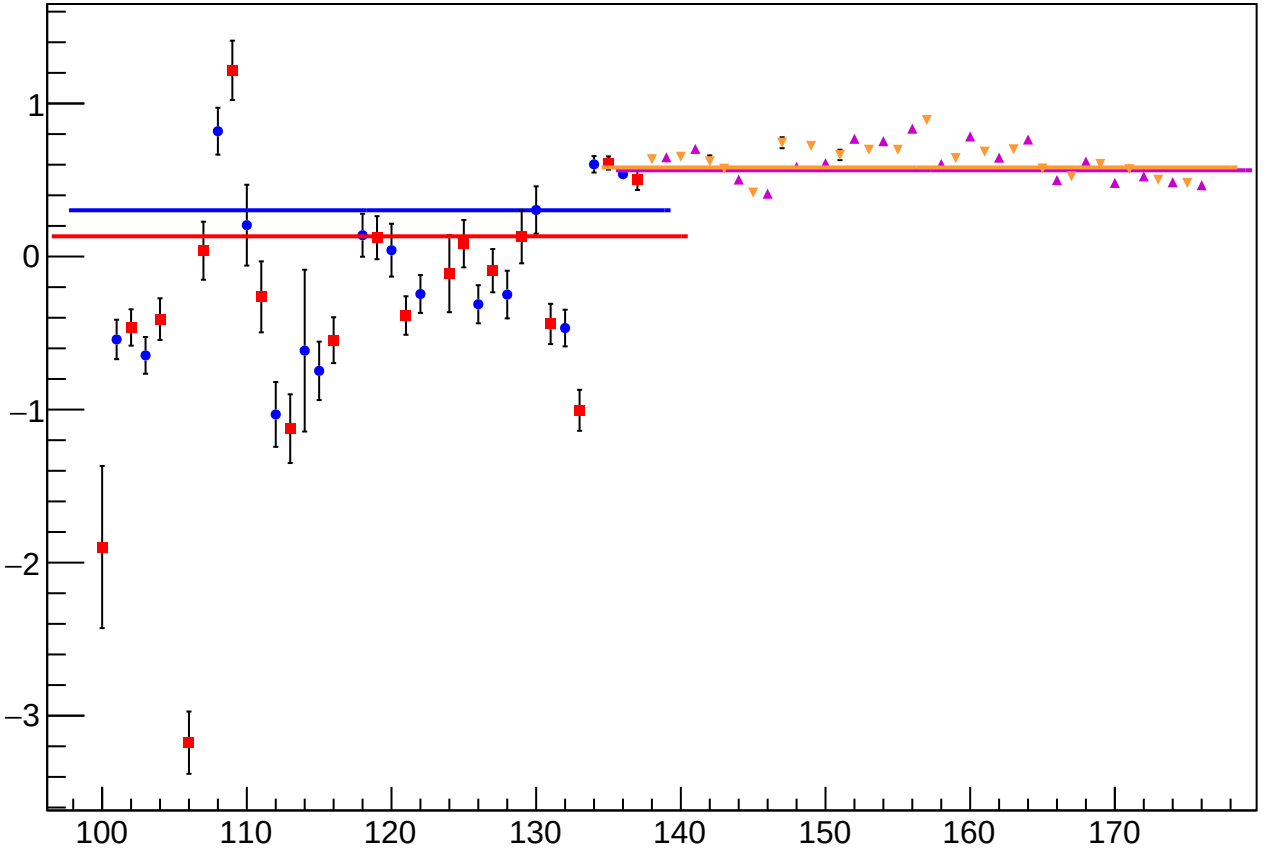
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.844+/-0.097 χ^2/NDF:12230.3/34

Out: -34.622+/-0.099 χ^2/NDF:11972.1/38

All: -33.712+/-0.069 χ^2/NDF: 24367.6/73

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: 0.582+/-0.005 χ^2/NDF:521.7/19

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.563+/-0.004 χ^2/NDF:649.5/18

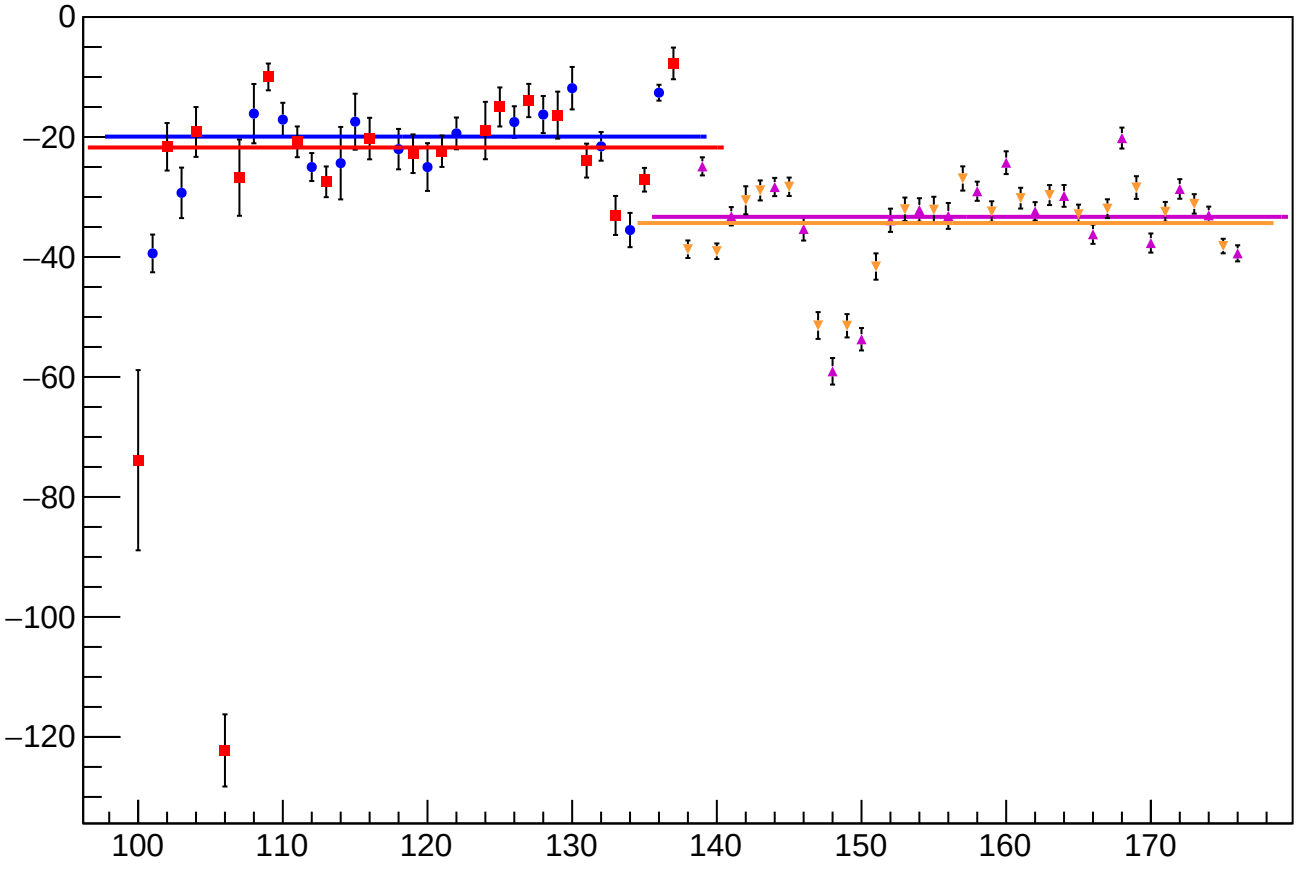
Left: 0.572+/-0.003 χ^2/NDF: 1179.8/38

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.554+/-0.004 χ^2/NDF:1149.4/34

Out: 0.569+/-0.004 χ^2/NDF:1474.0/38

All: 0.561+/-0.003 χ^2/NDF: 2629.1/73



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.344+/-0.379 χ^2/NDF:256.9/19

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.309+/-0.386 χ^2/NDF:427.7/18

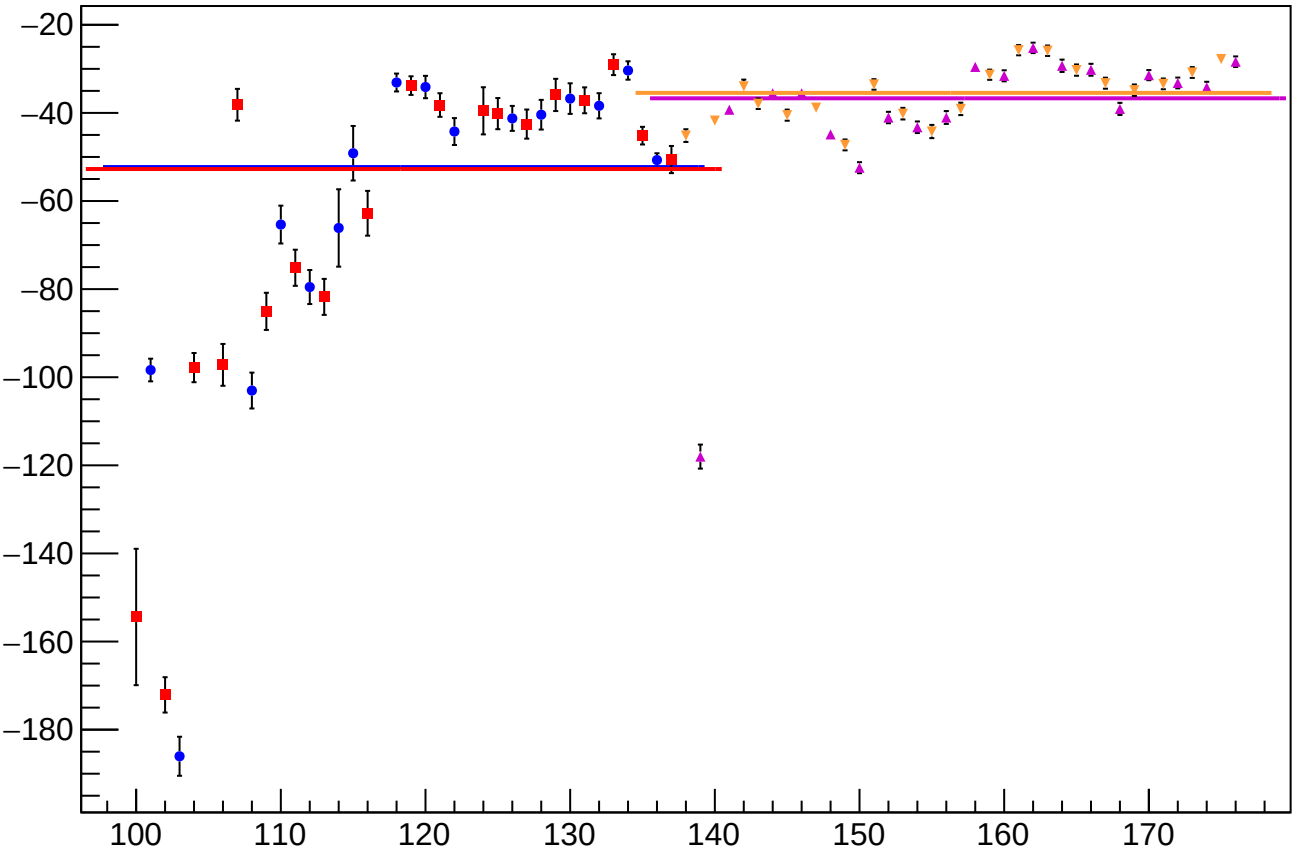
Left: -33.836+/-0.270 χ^2/NDF: 688.3/38

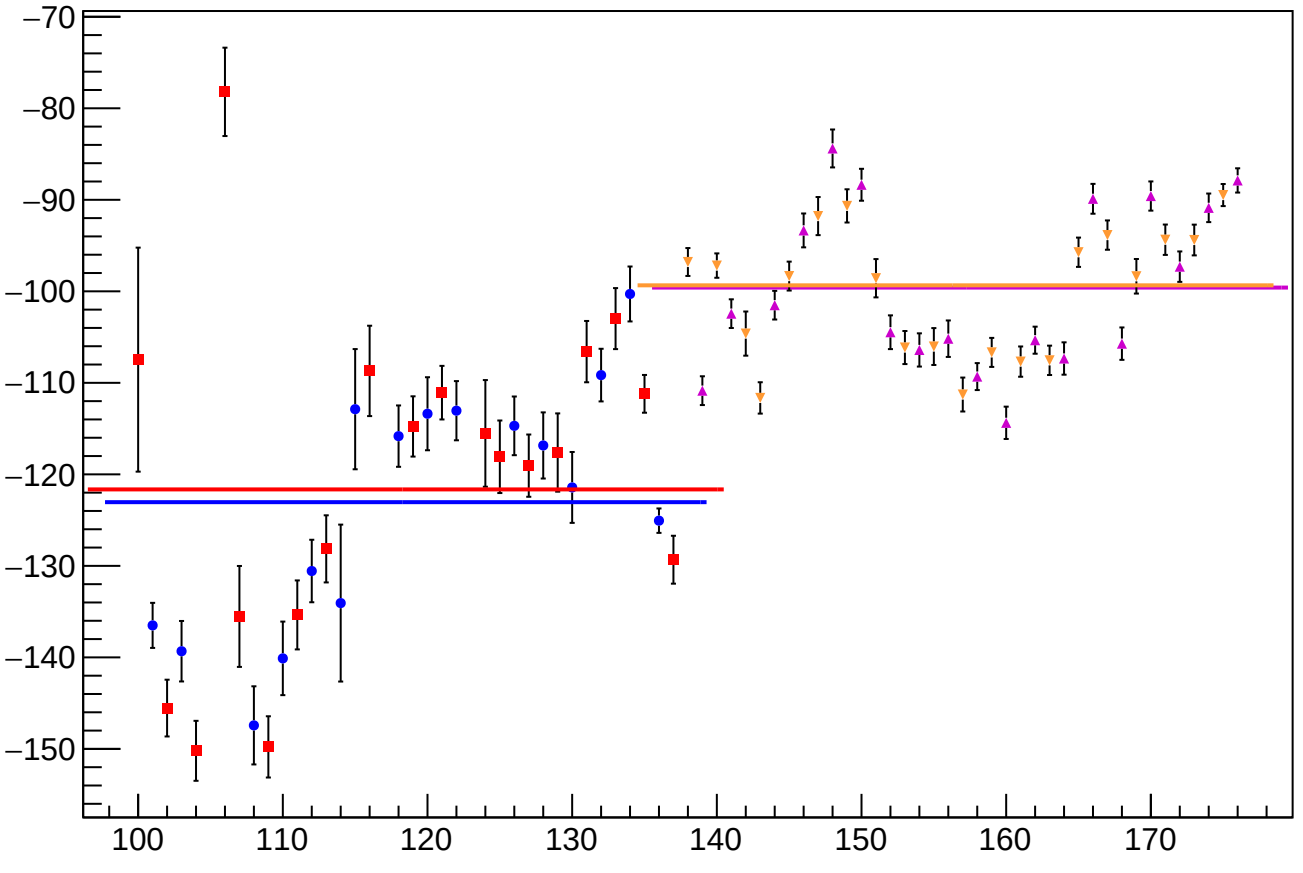
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -30.157+/-0.337 χ^2/NDF:831.6/34

Out: -31.574+/-0.335 χ^2/NDF:888.4/38

All: -30.871+/-0.238 χ^2/NDF: 1728.8/73


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
110
120
130
140
150
160
170
Right In: -52.296+/-0.708 χ²/NDF: 1778.2/15
Left Out: -35.455+/-0.277 χ²/NDF:486.9/19
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -36.687+/-0.286 χ²/NDF:1448.7/18
Left: -36.051+/-0.199 χ²/NDF: 1945.2/38
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -38.882+/-0.266 χ²/NDF:3644.5/34
Out: -37.541+/-0.260 χ²/NDF:2618.5/38
All: -38.198+/-0.186 χ²/NDF: 6276.0/73



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.345+/-0.374 χ^2/NDF:339.6/19

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -99.591+/-0.380 χ^2/NDF:537.5/18

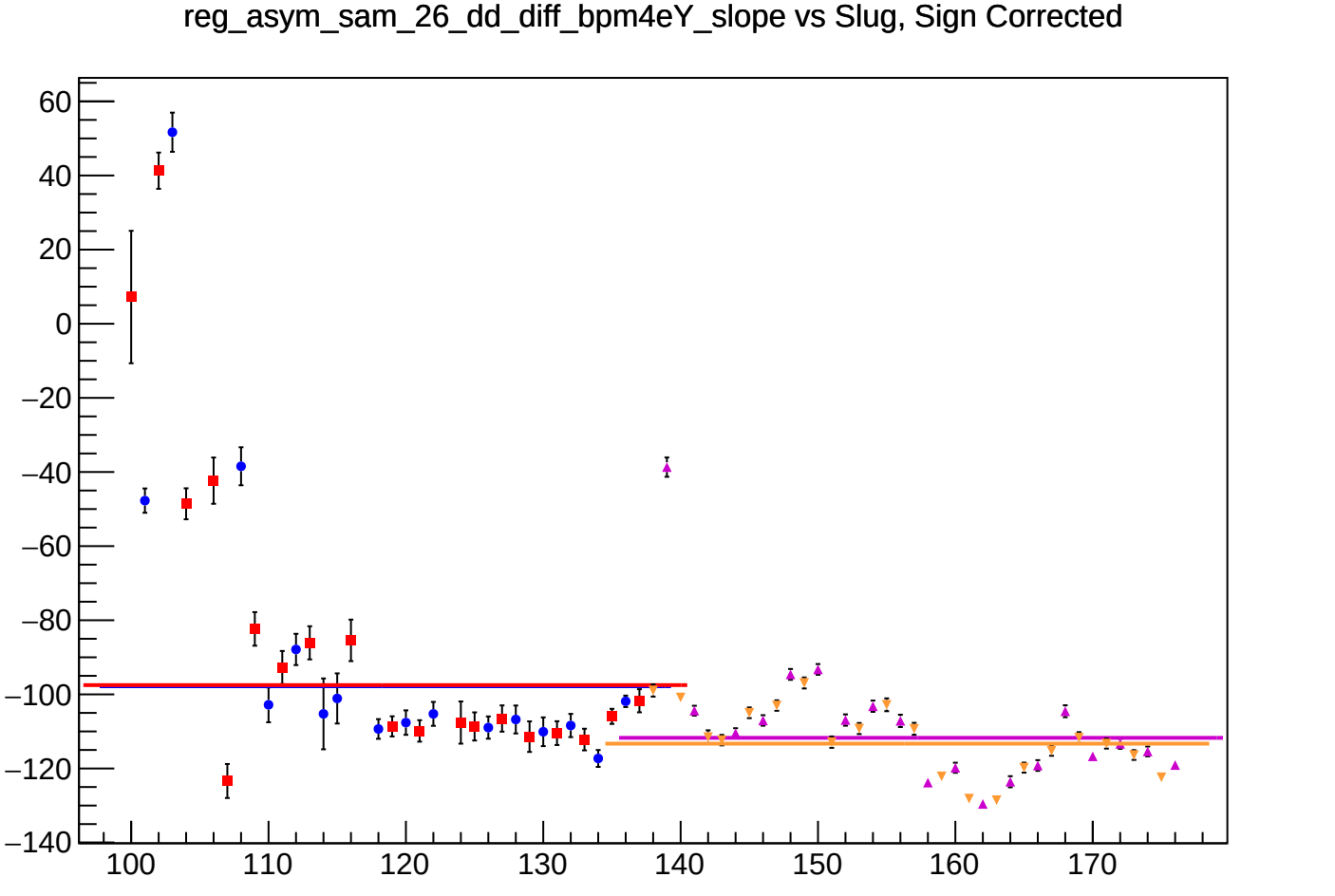
Left: -99.466+/-0.267 χ^2/NDF: 877.3/38

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -104.389+/-0.339 χ^2/NDF:1541.8/34

Out: -103.344+/-0.339 χ^2/NDF:1399.9/38

All: -103.866+/-0.240 χ^2/NDF: 2946.4/73



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.303+/-0.315 χ^2/NDF:862.4/19

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -111.730+/-0.323 χ^2/NDF:1696.6/18

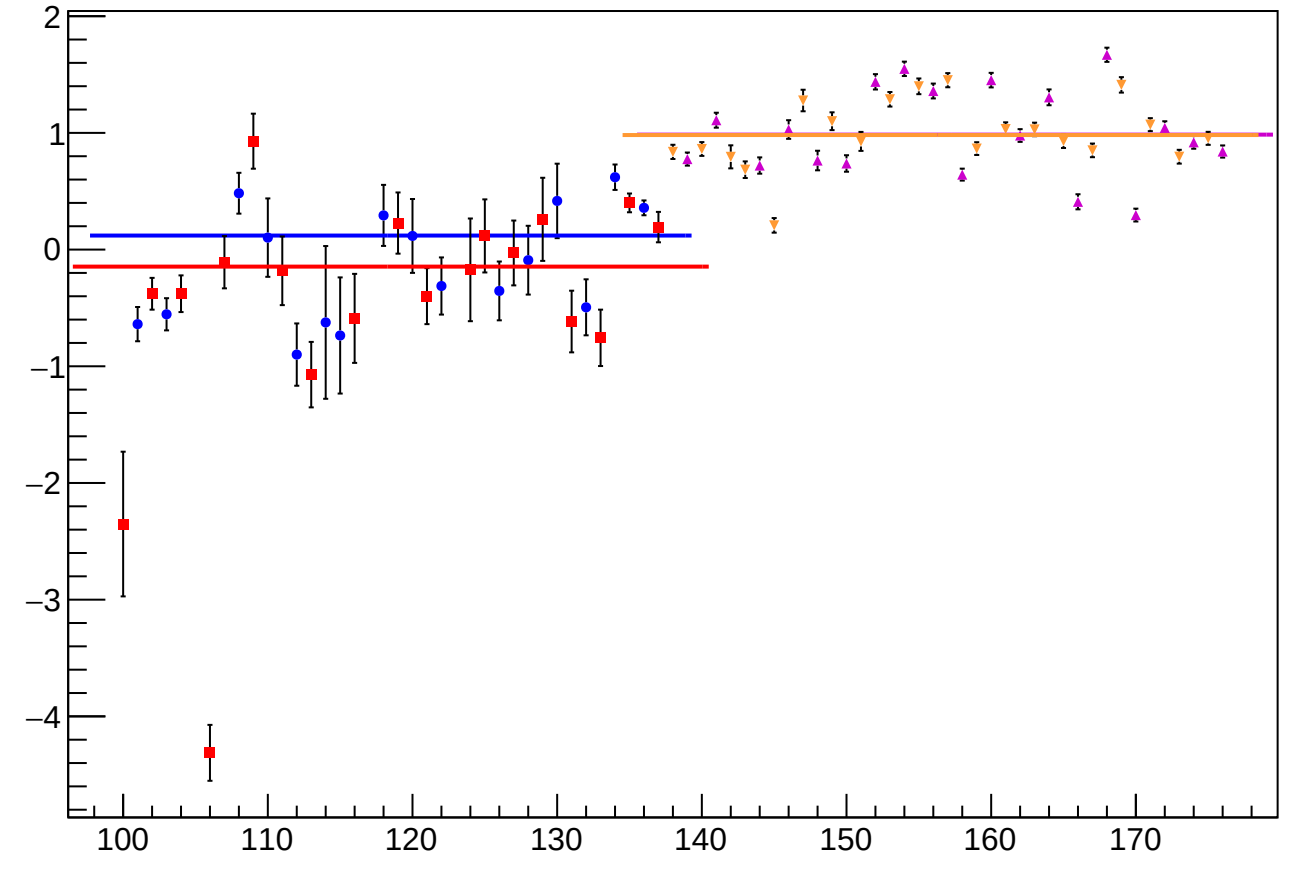
Left: -112.537+/-0.225 χ^2/NDF: 2571.2/38

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -109.752+/-0.299 χ^2/NDF:3291.5/34

Out: -111.372+/-0.295 χ^2/NDF:2407.4/38

All: -110.573+/-0.210 χ^2/NDF: 5713.9/73



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.982+/-0.014 χ^2/NDF:385.9/19

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.985+/-0.014 χ^2/NDF:711.7/18

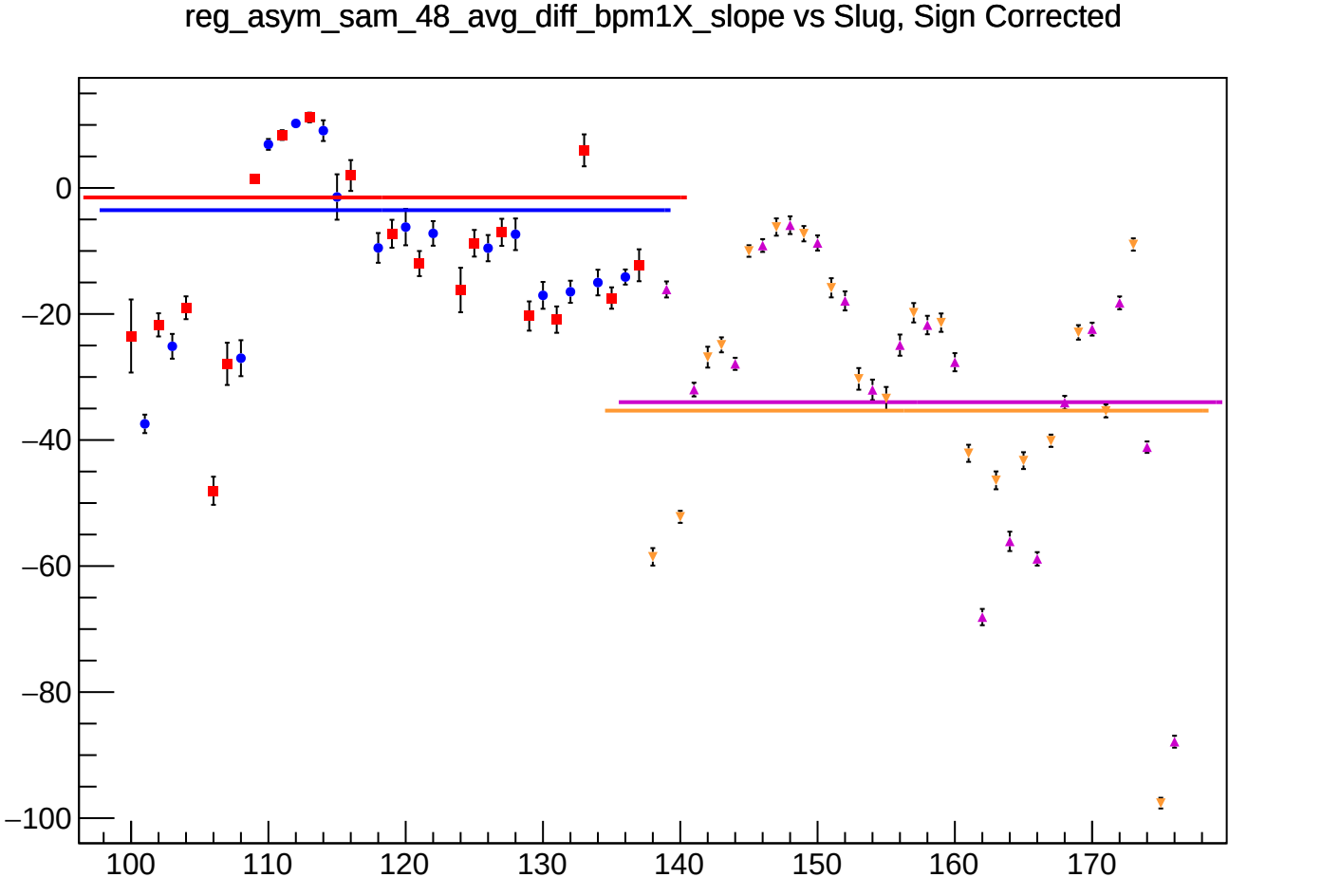
Left: 0.983+/-0.010 χ^2/NDF: 1097.6/38

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.895+/-0.013 χ^2/NDF:1229.8/34

Out: 0.879+/-0.014 χ^2/NDF:1380.5/38

All: 0.887+/-0.010 χ^2/NDF: 2611.0/73



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.335+/-0.269 χ^2/NDF:9169.0/19

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -33.994+/-0.269 χ^2/NDF:7028.9/18

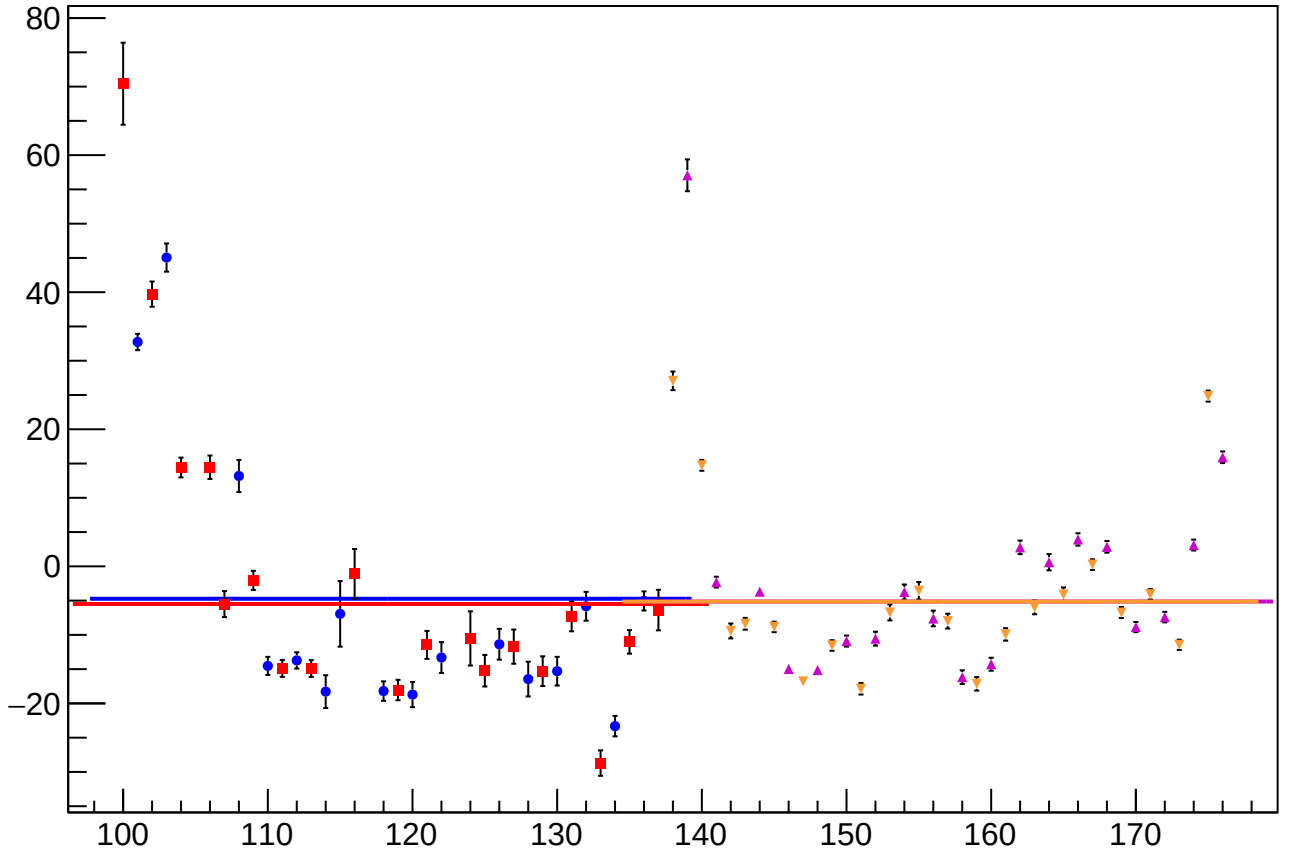
Left: -34.664+/-0.190 χ^2/NDF: 16210.3/38

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -23.710+/-0.219 χ^2/NDF:12889.7/34

Out: -22.247+/-0.211 χ^2/NDF:16815.7/38

All: -22.950+/-0.152 χ^2/NDF: 29728.6/73



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -5.143+/-0.195 χ^2/NDF:3596.6/19

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -5.133+/-0.197 χ^2/NDF:2546.0/18

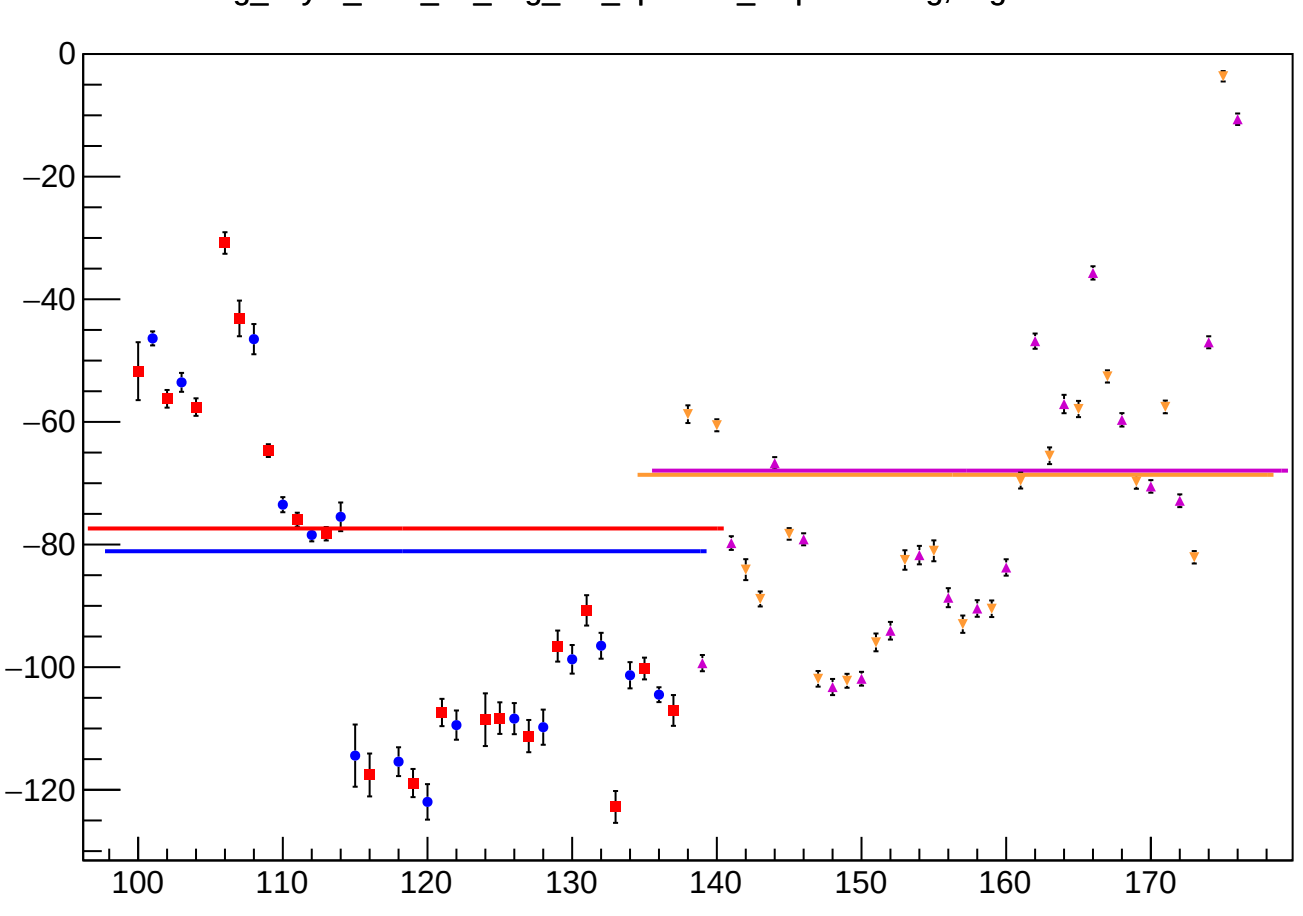
Left: -5.138+/-0.139 χ^2/NDF: 6142.6/38

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

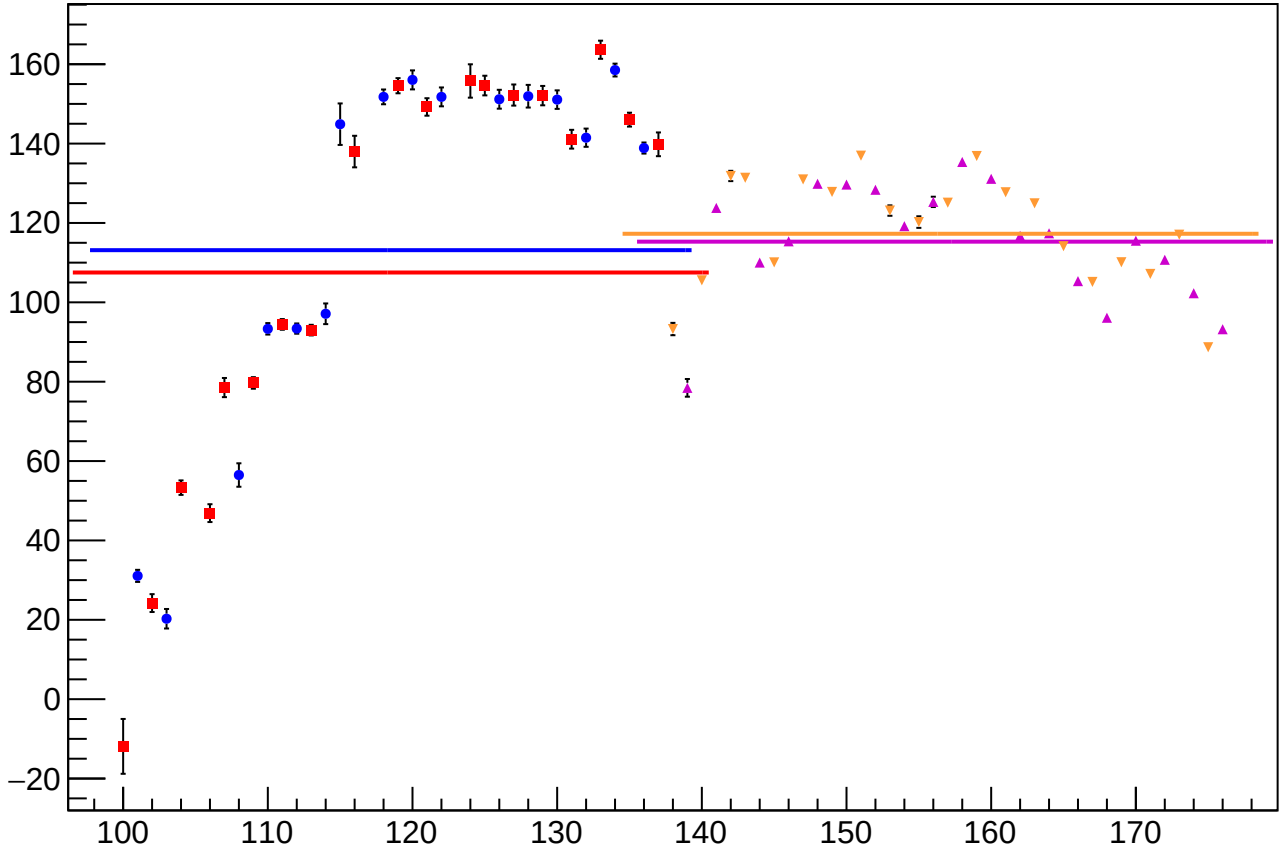
In: -5.063+/-0.179 χ^2/NDF:4694.7/34

Out: -5.204+/-0.177 χ^2/NDF:5105.7/38

All: -5.134+/-0.126 χ^2/NDF: 9800.7/73


reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -81.091+/-0.438 χ²/NDF: 2870.3/15
Left Out: -68.626+/-0.267 χ²/NDF:9649.3/19
Right Out: -77.379+/-0.417 χ²/NDF: 3129.7/18
Left In: -67.948+/-0.267 χ²/NDF:8972.9/18
Left: -68.287+/-0.189 χ²/NDF: 18625.5/38
Right: -79.142+/-0.302 χ²/NDF: 6037.6/34
In: -71.496+/-0.228 χ²/NDF:12499.5/34
Out: -71.169+/-0.225 χ²/NDF:13091.8/38
All: -71.330+/-0.160 χ²/NDF: 25592.4/73

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 117.276+/-0.223 χ^2/NDF:3663.3/19

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 115.288+/-0.225 χ^2/NDF:3012.9/18

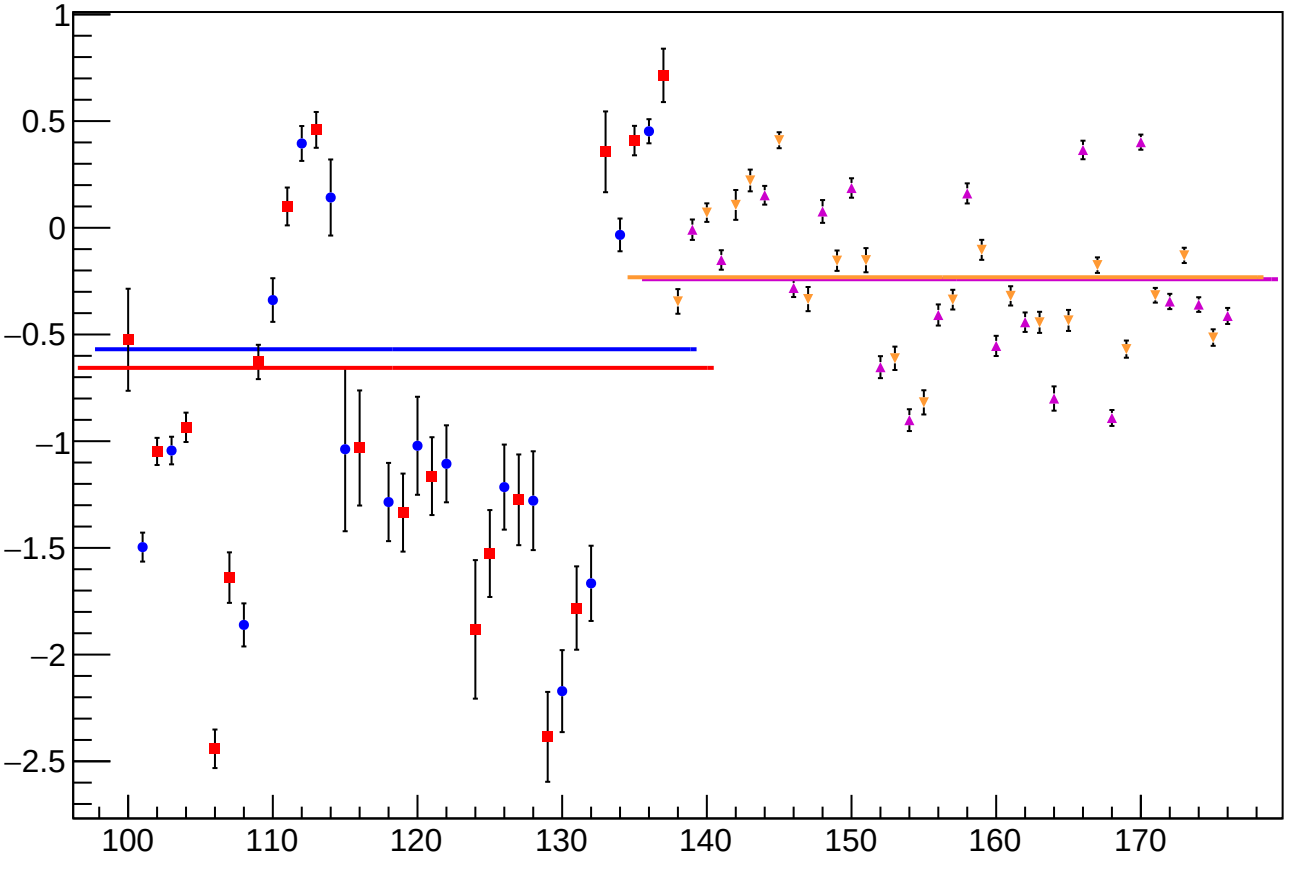
Left: 116.290+/-0.158 χ^2/NDF: 6715.7/38

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.914+/-0.204 χ^2/NDF:11232.9/34

Out: 115.543+/-0.202 χ^2/NDF:11548.3/38

All: 115.232+/-0.144 χ^2/NDF: 22786.0/73



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.232+/-0.010 χ^2/NDF:804.5/19

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.241+/-0.010 χ^2/NDF:1573.5/18

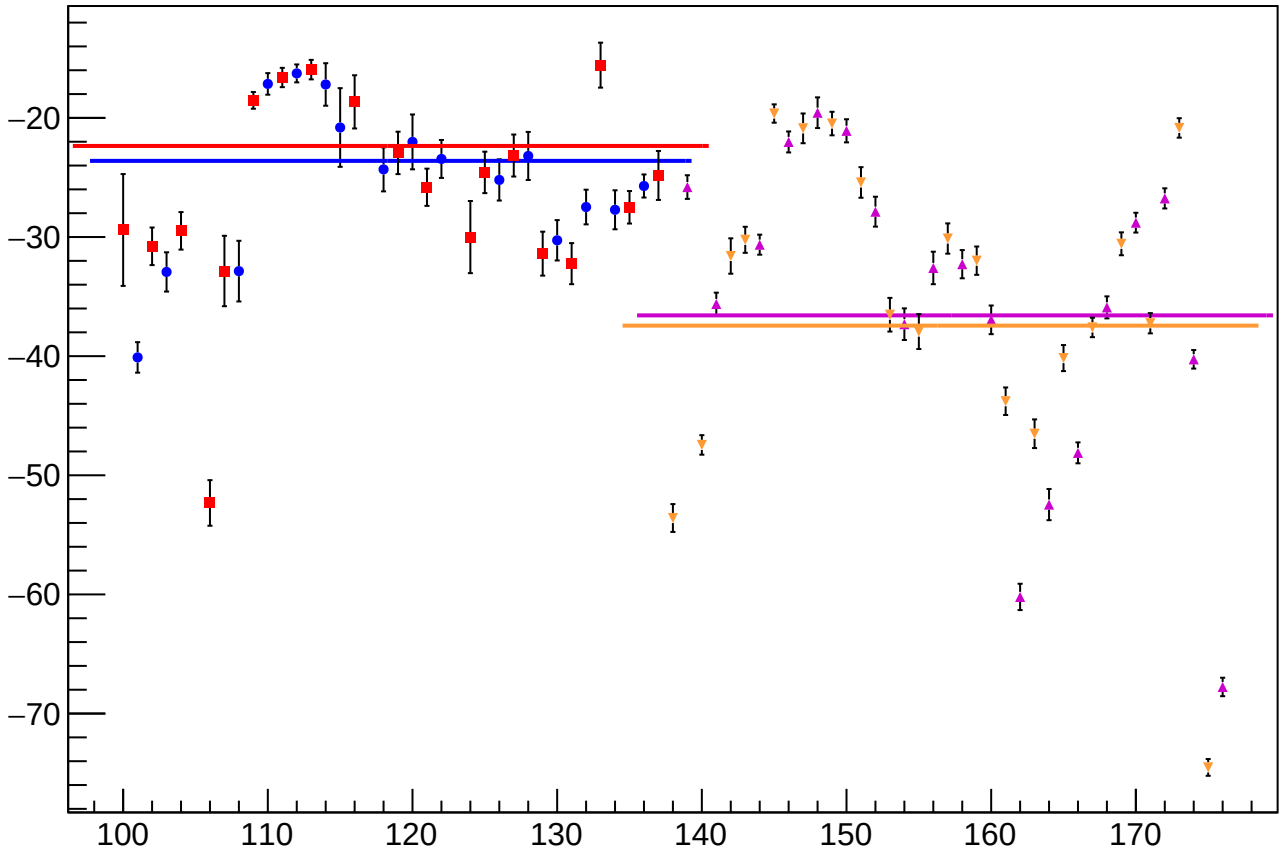
Left: -0.236+/-0.007 χ^2/NDF: 2378.4/38

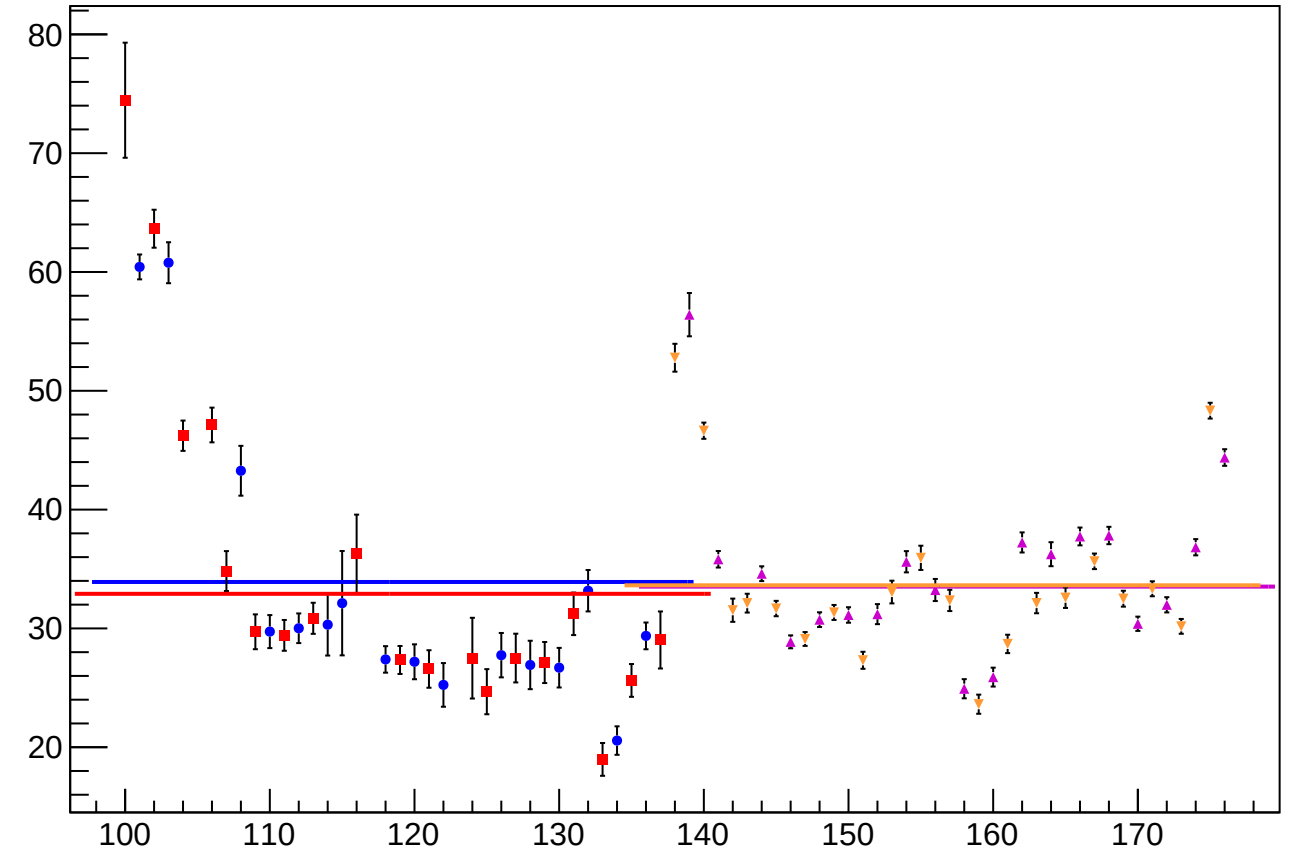
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.284+/-0.009 χ^2/NDF:2811.7/34

Out: -0.291+/-0.009 χ^2/NDF:2363.9/38

All: -0.287+/-0.007 χ^2/NDF: 5175.9/73


reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -23.607+/-0.348 χ²/NDF: 406.4/15
Left Out: -37.436+/-0.226 χ²/NDF:4881.4/19
Right Out: -22.354+/-0.322 χ²/NDF: 551.7/18
Left In: -36.577+/-0.226 χ²/NDF:3585.4/18
Left: -37.005+/-0.160 χ²/NDF: 8474.0/38
Right: -22.931+/-0.236 χ²/NDF: 965.1/34
In: -32.746+/-0.189 χ²/NDF:4968.9/34
Out: -32.445+/-0.185 χ²/NDF:6903.1/38
All: -32.592+/-0.132 χ²/NDF: 11873.4/73



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.628+/-0.166 χ^2/NDF:1537.2/19

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 33.519+/-0.168 χ^2/NDF:887.8/18

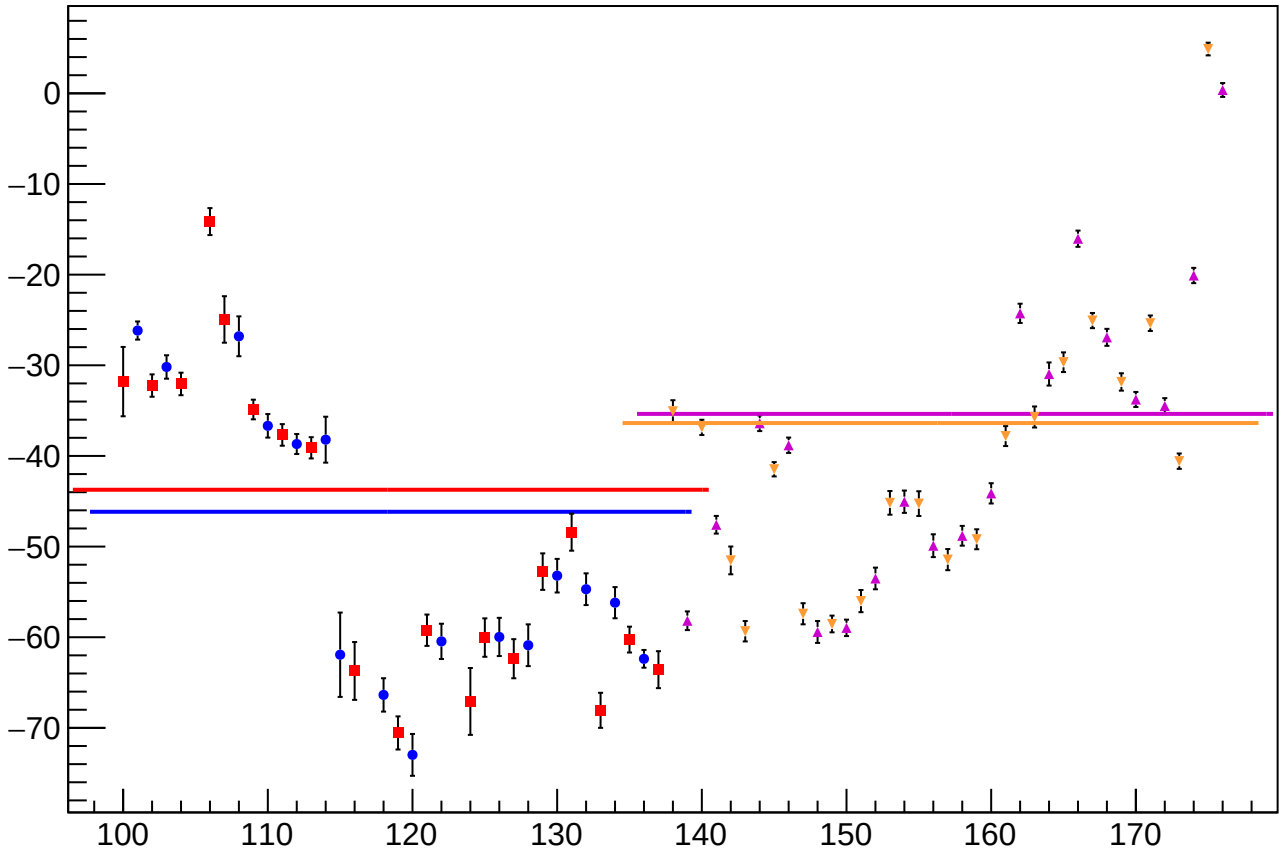
Left: 33.574+/-0.118 χ^2/NDF: 2425.2/38

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.584+/-0.153 χ^2/NDF:2073.1/34

Out: 33.510+/-0.151 χ^2/NDF:2415.2/38

All: 33.547+/-0.108 χ^2/NDF: 4488.5/73



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.372+/-0.224 χ^2/NDF:5995.1/19

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -35.360+/-0.223 χ^2/NDF:5560.5/18

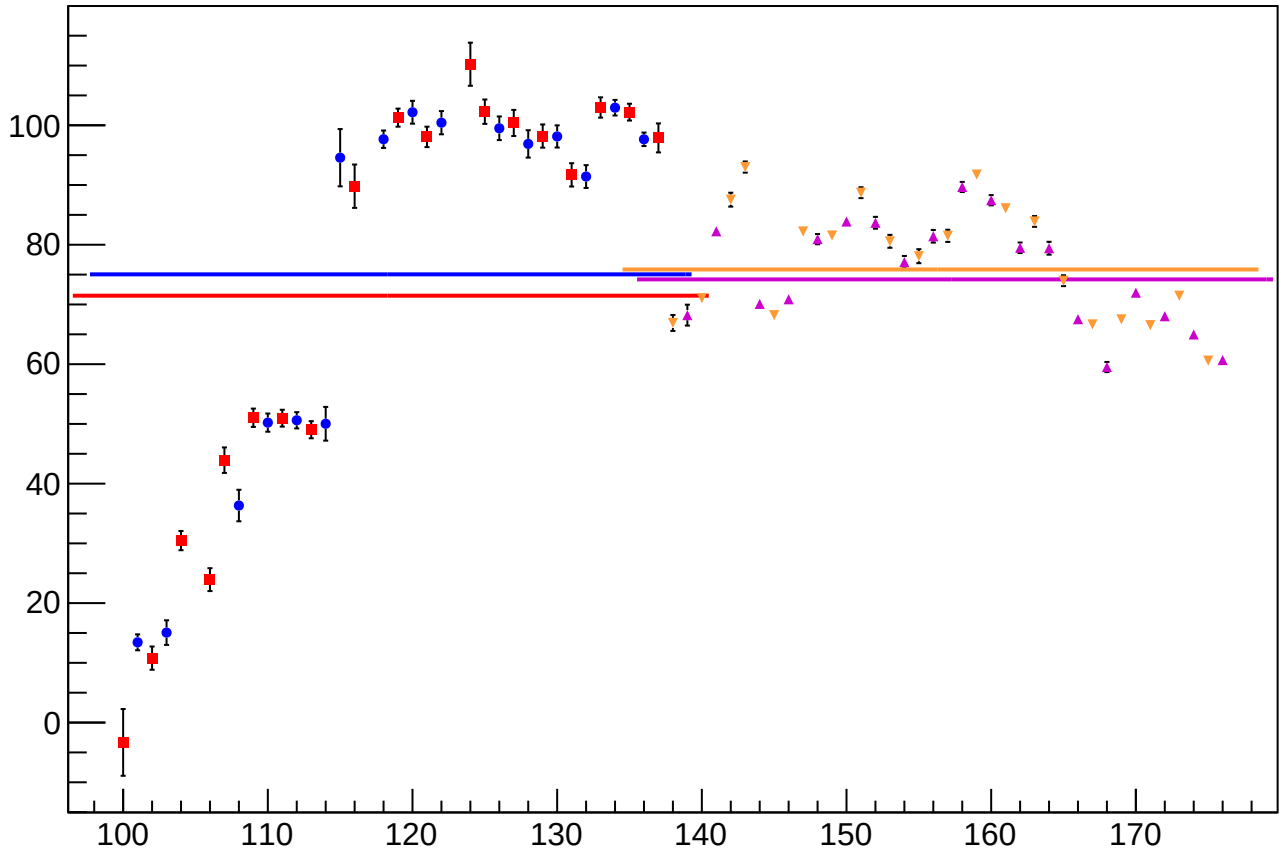
Left: -35.864+/-0.158 χ^2/NDF: 11565.9/38

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -38.030+/-0.194 χ^2/NDF:7628.0/34

Out: -38.285+/-0.193 χ^2/NDF:7938.5/38

All: -38.158+/-0.137 χ^2/NDF: 15567.3/73



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.859+/-0.188 χ^2/NDF:2579.3/19

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 74.197+/-0.190 χ^2/NDF:2113.7/18

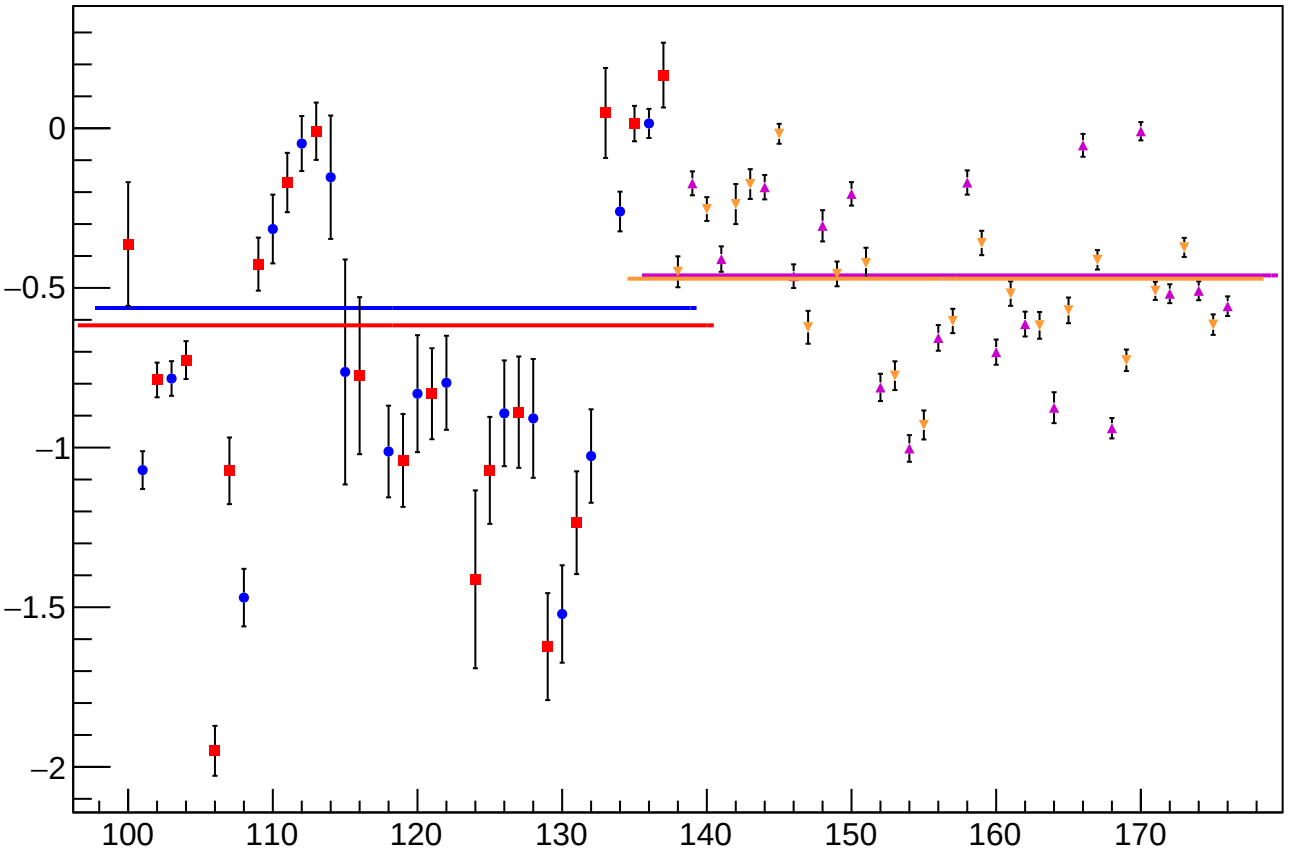
Left: 75.034+/-0.134 χ^2/NDF: 4731.7/38

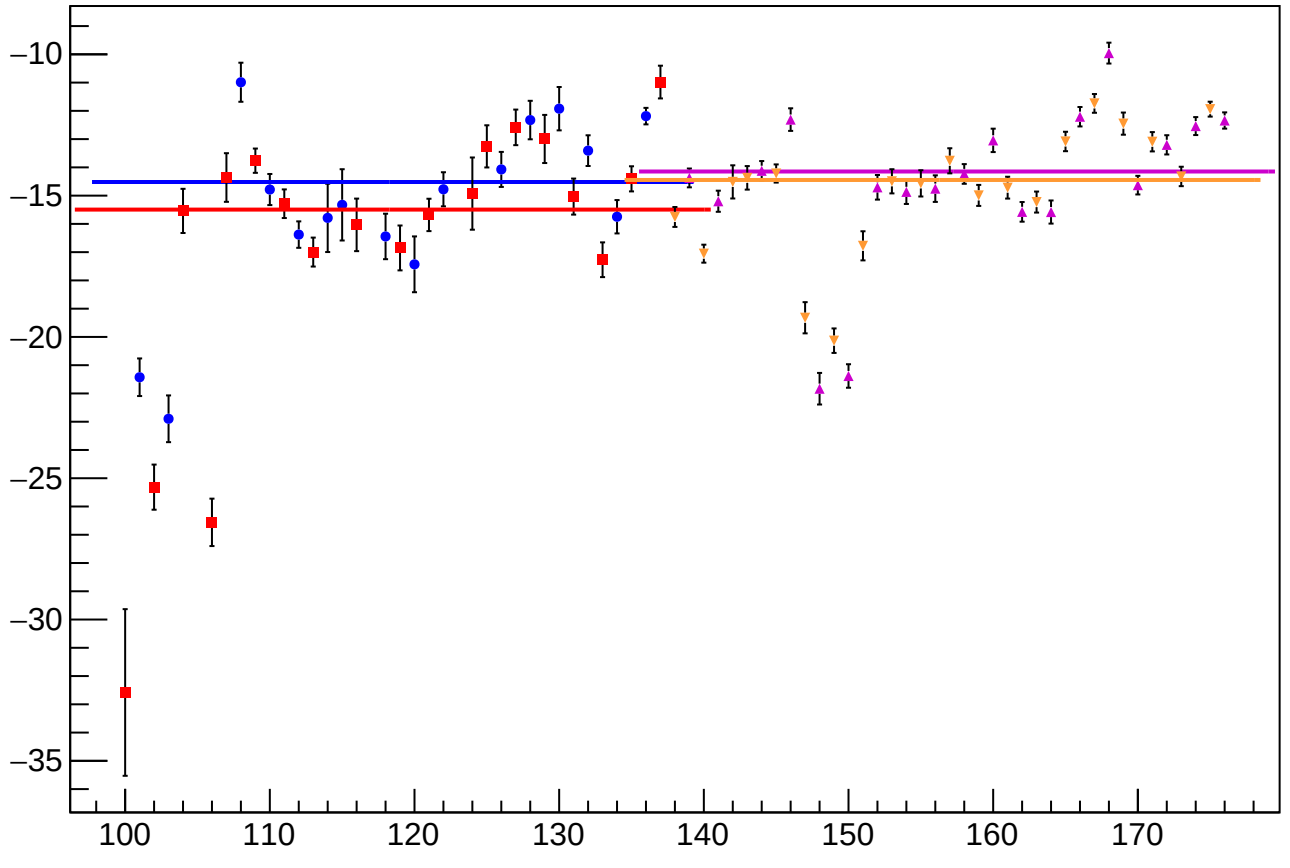
Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.336+/-0.173 χ^2/NDF:7945.3/34

Out: 75.141+/-0.172 χ^2/NDF:8296.4/38

All: 74.741+/-0.122 χ^2/NDF: 16252.5/73


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.471+/-0.008 χ²/NDF:591.8/19
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.461+/-0.008 χ²/NDF:1233.5/18
Left: -0.466+/-0.006 χ²/NDF: 1826.0/38
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.473+/-0.008 χ²/NDF:1744.9/34
Out: -0.490+/-0.008 χ²/NDF:1319.6/38
All: -0.481+/-0.006 χ²/NDF: 3066.7/73



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.446+/-0.084 χ^2/NDF:576.2/19

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.146+/-0.085 χ^2/NDF:799.2/18

Left: -14.297+/-0.060 χ^2/NDF: 1381.7/38

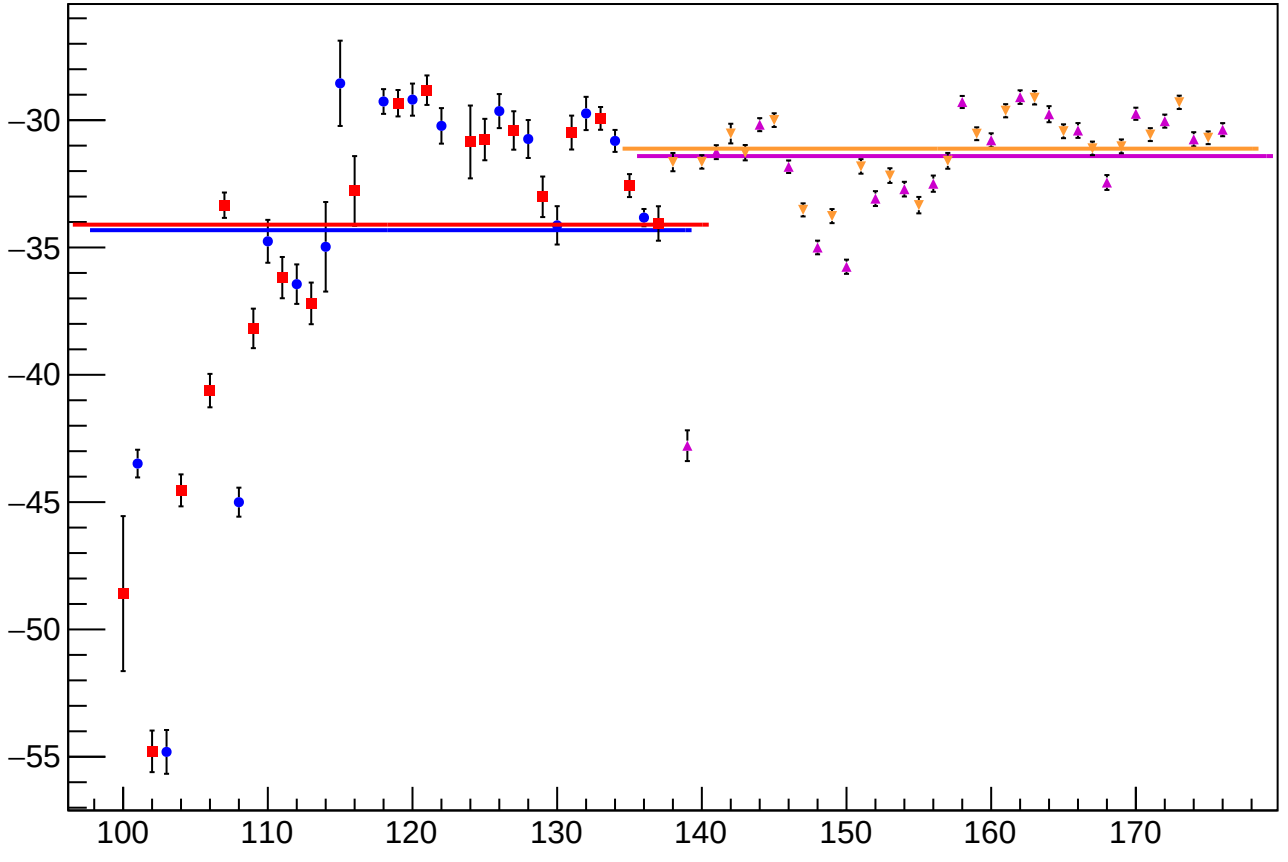
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.237+/-0.074 χ^2/NDF:1167.2/34

Out: -14.698+/-0.074 χ^2/NDF:1117.1/38

All: -14.468+/-0.052 χ^2/NDF: 2304.0/73

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.119+/-0.062 χ^2/NDF:431.1/19

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.411+/-0.064 χ^2/NDF:1175.7/18

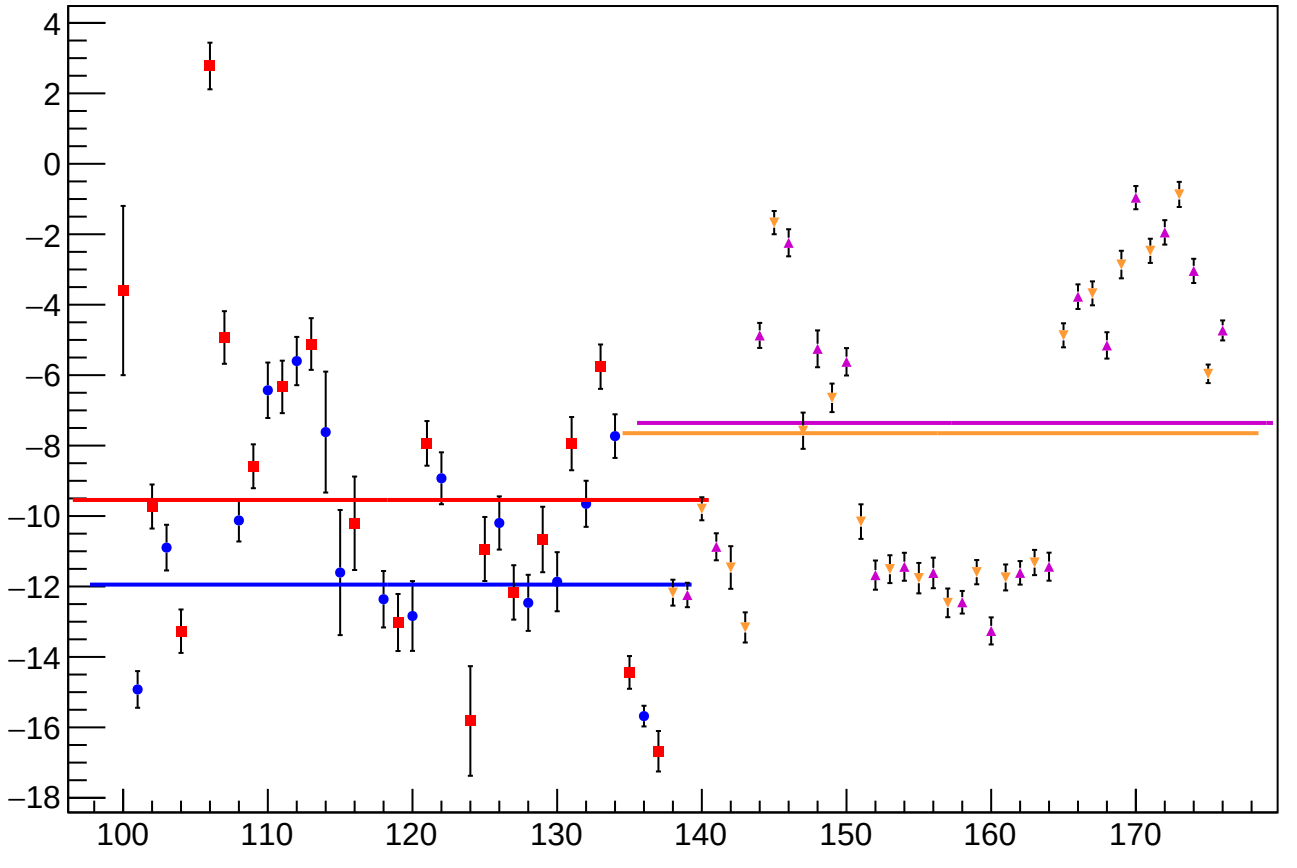
Left: -31.262+/-0.045 χ^2/NDF: 1617.6/38

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.839+/-0.059 χ^2/NDF:3103.7/34

Out: -31.538+/-0.058 χ^2/NDF:2188.3/38

All: -31.686+/-0.041 χ^2/NDF: 5305.3/73



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.647+/-0.083 χ^2/NDF:2428.0/19

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.357+/-0.084 χ^2/NDF:2612.8/18

Left: -7.503+/-0.059 χ^2/NDF: 5046.8/38

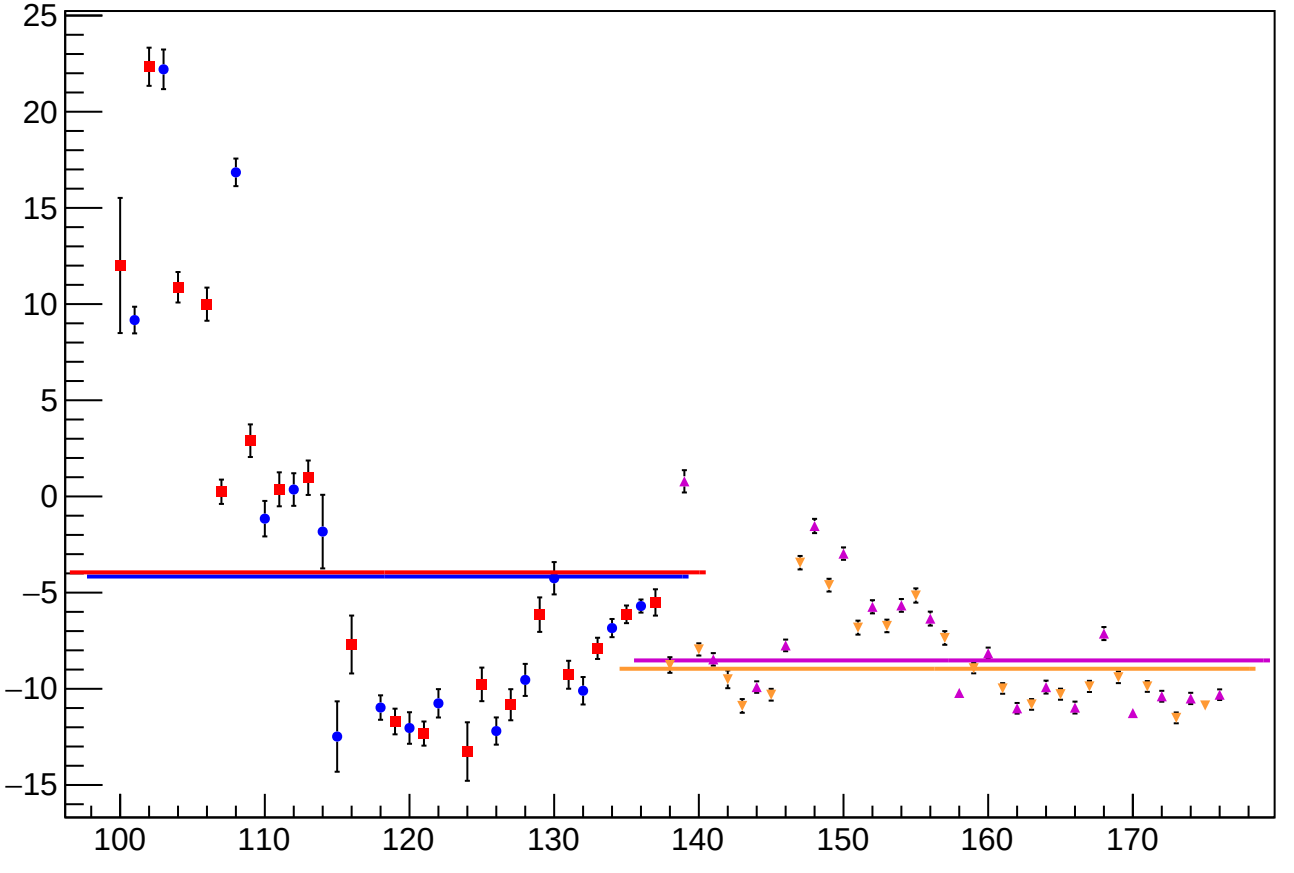
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.340+/-0.074 χ^2/NDF:3688.2/34

Out: -8.032+/-0.074 χ^2/NDF:3380.1/38

All: -8.187+/-0.053 χ^2/NDF: 7077.0/73

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: -8.958+/-0.070 χ^2/NDF:922.6/19

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.524+/-0.071 χ^2/NDF:1579.5/18

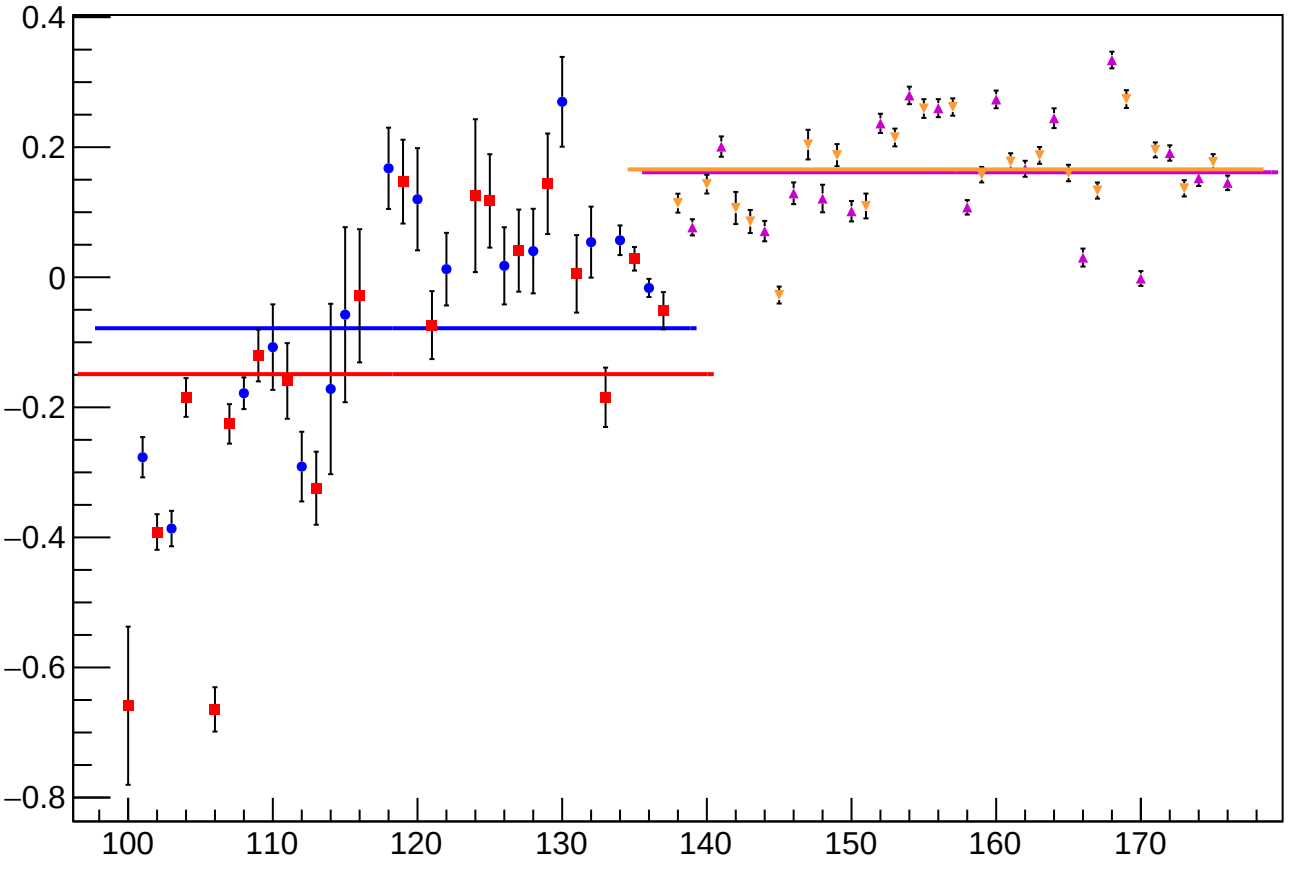
Left: -8.745+/-0.050 χ^2/NDF: 2520.9/38

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.885+/-0.066 χ^2/NDF:4653.7/34

Out: -8.272+/-0.065 χ^2/NDF:3732.2/38

All: -8.080+/-0.046 χ^2/NDF: 8403.3/73



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.166+/-0.003 χ^2/NDF:467.1/19

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:869.5/18

Left: 0.164+/-0.002 χ^2/NDF: 1337.6/38

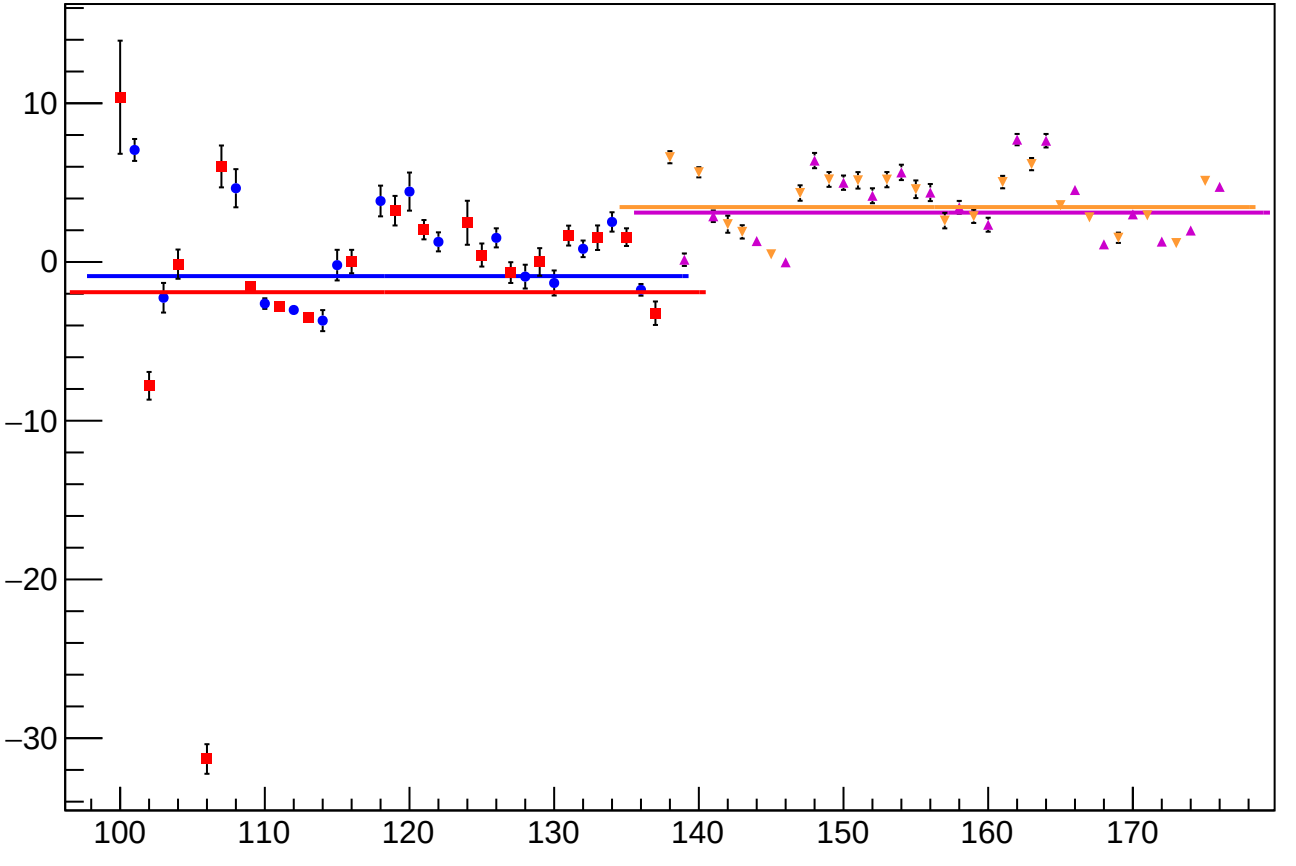
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.134+/-0.003 χ^2/NDF:1881.3/34

Out: 0.132+/-0.003 χ^2/NDF:2067.3/38

All: 0.133+/-0.002 χ^2/NDF: 3948.8/73

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.459+/-0.078 χ^2/NDF:558.7/19

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.111+/-0.077 χ^2/NDF:769.8/18

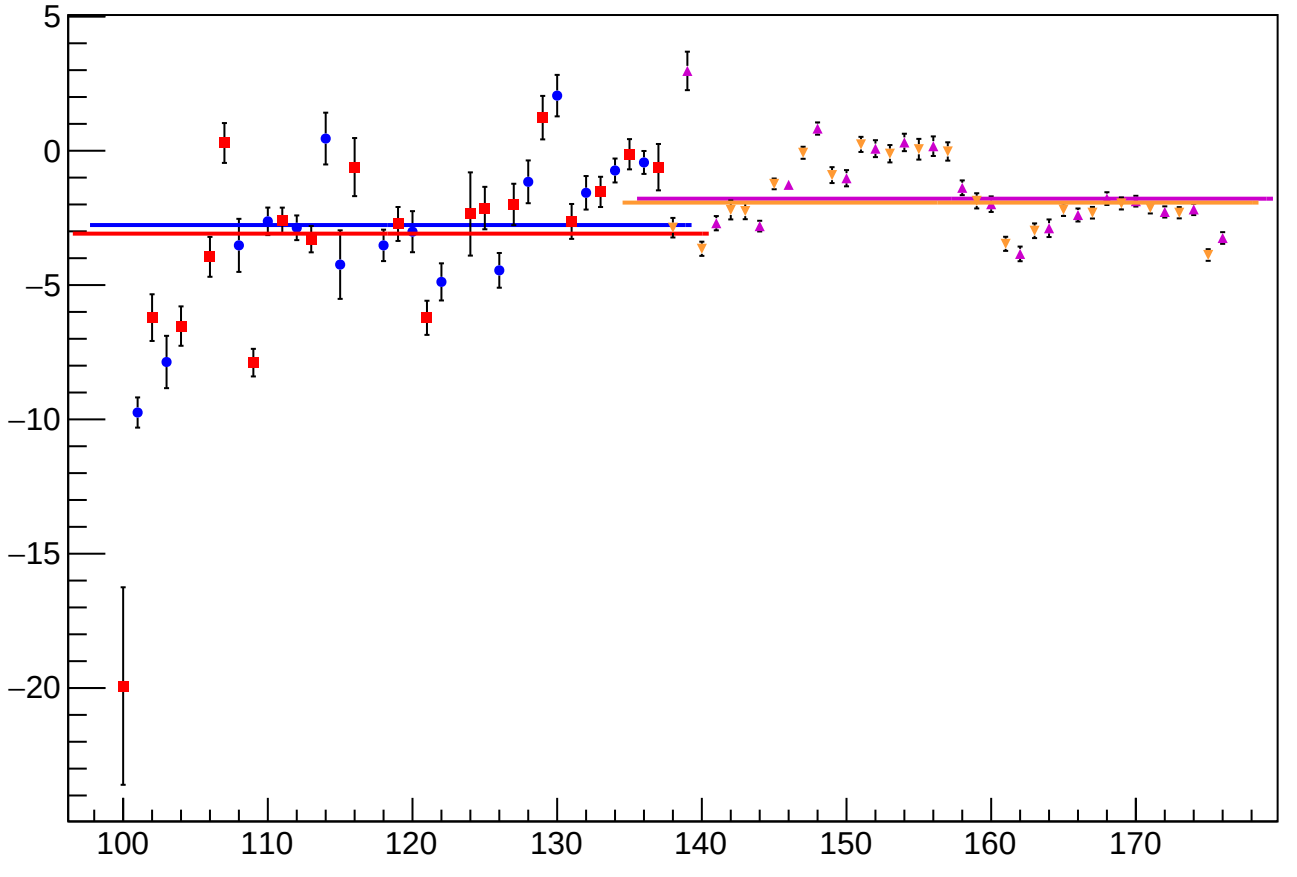
Left: 3.283+/-0.055 χ^2/NDF: 1338.6/38

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.140+/-0.067 χ^2/NDF:1799.5/34

Out: 2.008+/-0.067 χ^2/NDF:3163.5/38

All: 2.074+/-0.047 χ^2/NDF: 4964.9/73



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.931+/-0.058 χ^2/NDF:429.8/19

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.785+/-0.057 χ^2/NDF:465.0/18

Left: -1.857+/-0.041 χ^2/NDF: 898.0/38

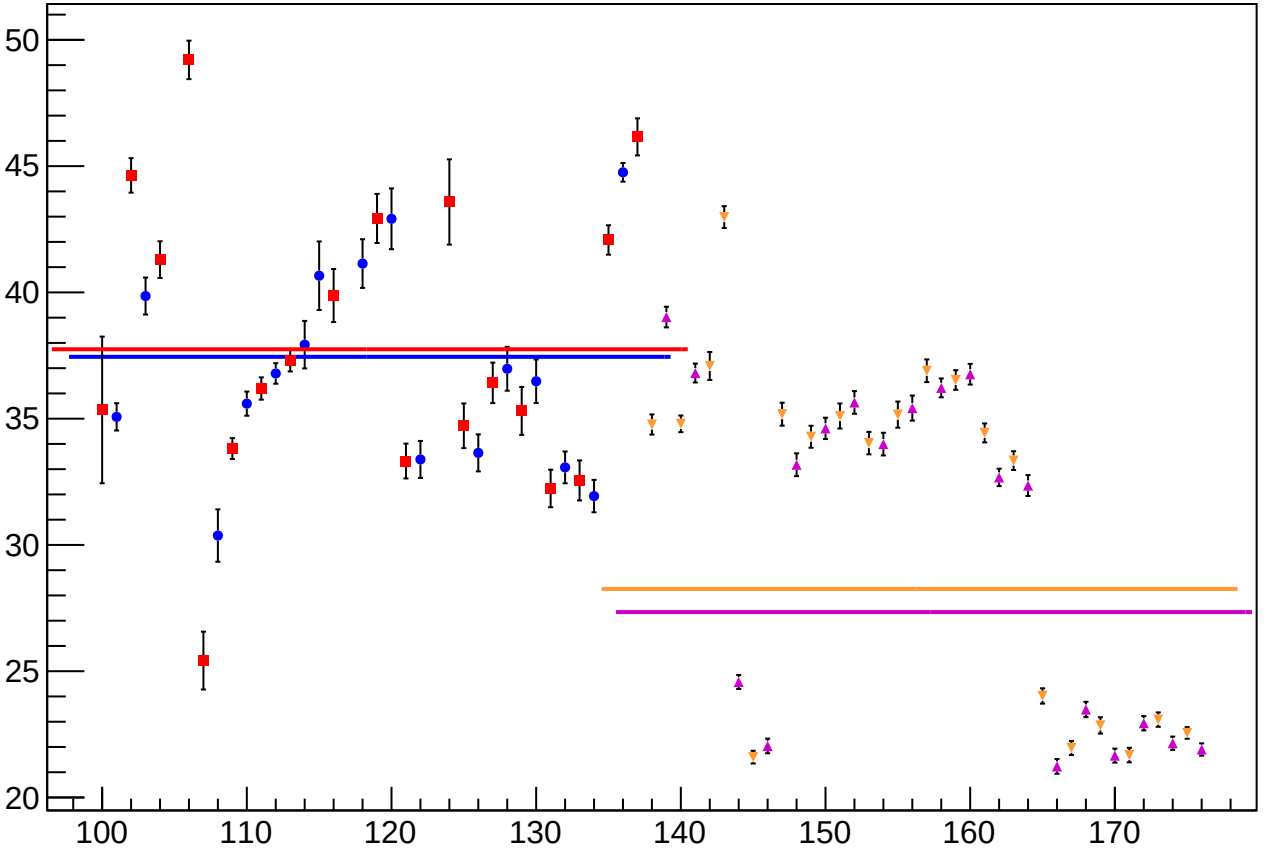
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.901+/-0.054 χ^2/NDF:809.8/34

Out: -2.067+/-0.054 χ^2/NDF:749.7/38

All: -1.984+/-0.038 χ^2/NDF: 1564.2/73

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 28.258+/-0.078 χ^2/NDF:7459.9/19

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.343+/-0.077 χ^2/NDF:6804.9/18

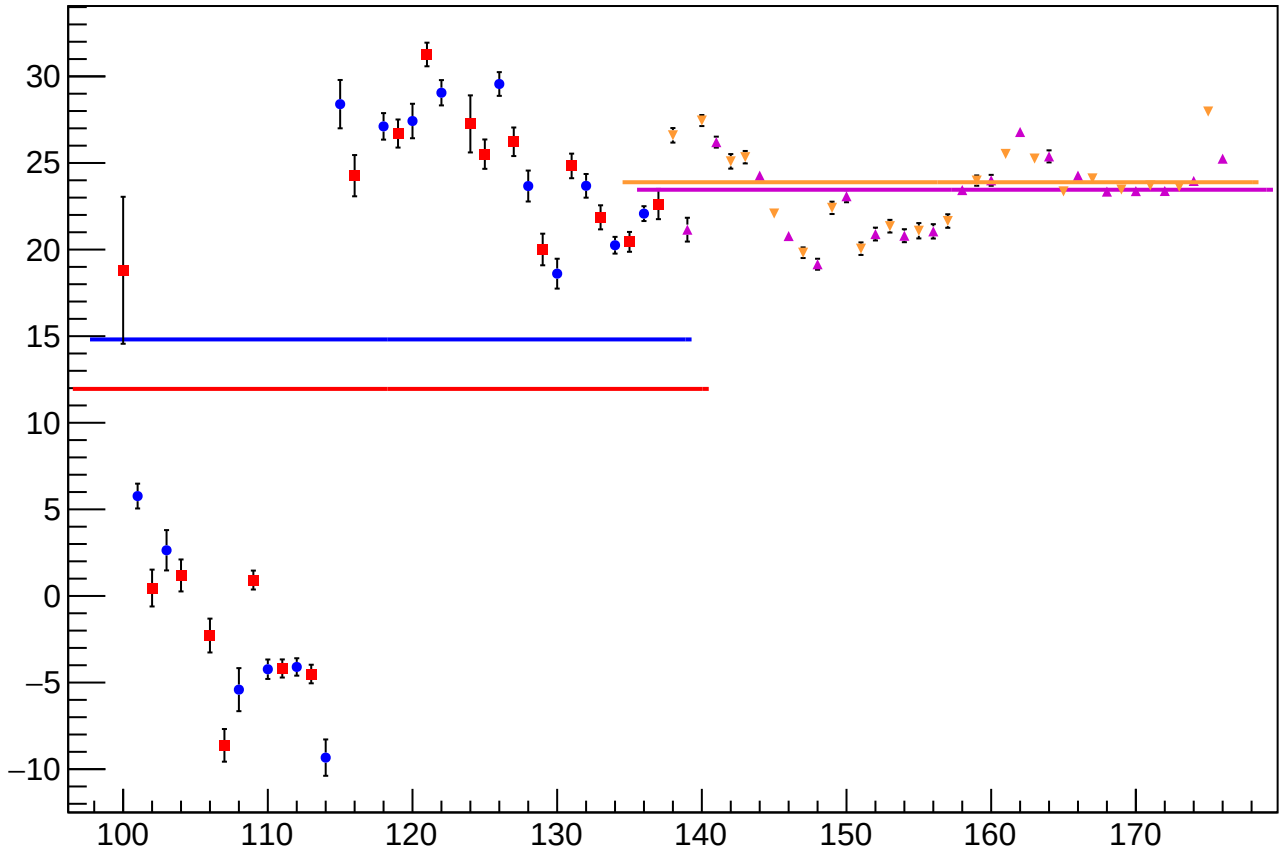
Left: 27.795+/-0.055 χ^2/NDF: 14334.9/38

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 29.225+/-0.069 χ^2/NDF:10729.4/34

Out: 30.084+/-0.070 χ^2/NDF:11286.1/38

All: 29.651+/-0.049 χ^2/NDF: 22091.5/73



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.888+/-0.065 χ^2/NDF:1068.9/19

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.454+/-0.065 χ^2/NDF:805.4/18

Left: 23.670+/-0.046 χ^2/NDF: 1896.6/38

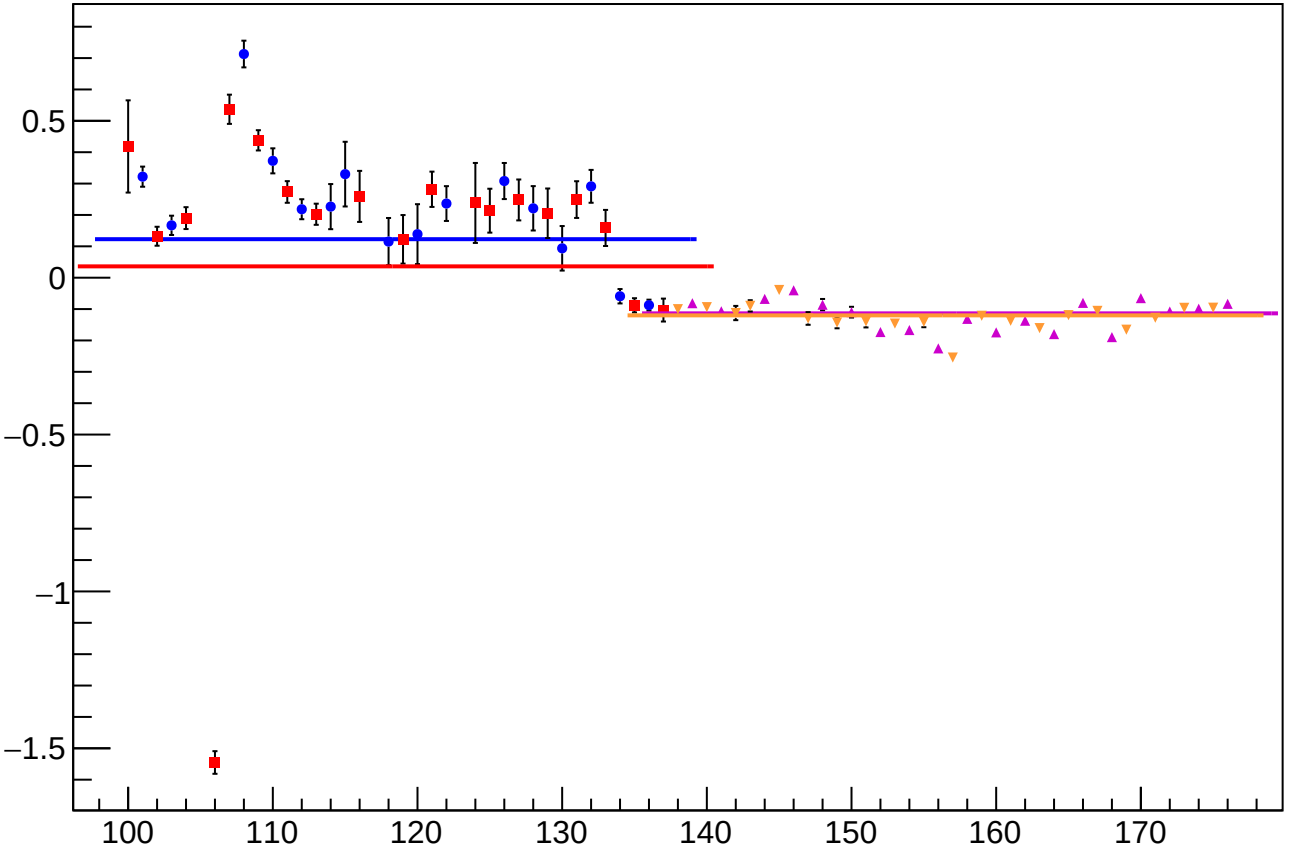
Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.403+/-0.061 χ^2/NDF:8661.7/34

Out: 22.466+/-0.061 χ^2/NDF:11186.1/38

All: 22.434+/-0.043 χ^2/NDF: 19848.4/73

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.120+/-0.003 χ^2/NDF:204.9/19

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.114+/-0.003 χ^2/NDF:271.6/18

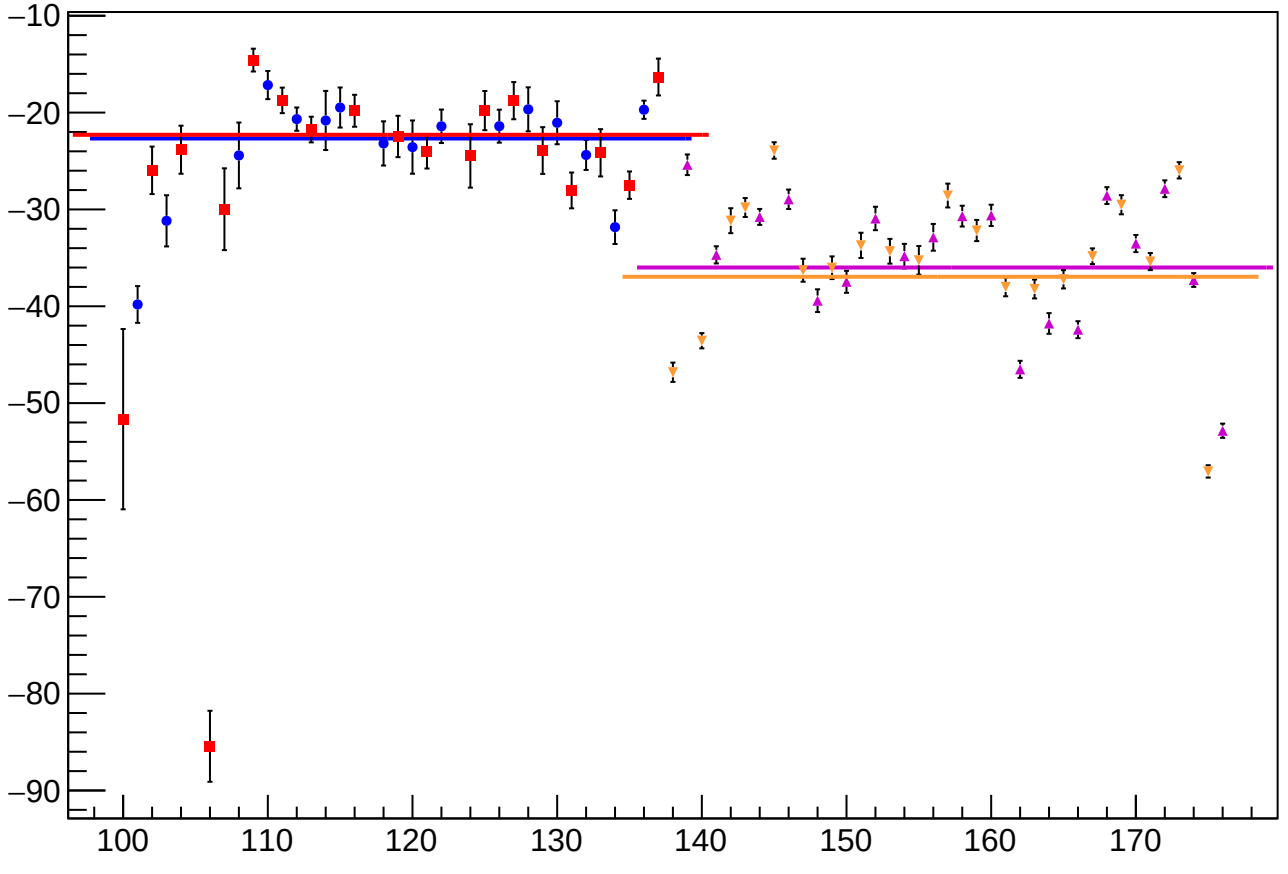
Left: -0.117+/-0.002 χ^2/NDF: 478.9/38

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.094+/-0.003 χ^2/NDF:1369.5/34

Out: -0.107+/-0.003 χ^2/NDF:2853.8/38

All: -0.100+/-0.002 χ^2/NDF: 4235.1/73



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -36.955+/-0.217 χ^2/NDF:1780.2/19

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -35.996+/-0.219 χ^2/NDF:1199.8/18

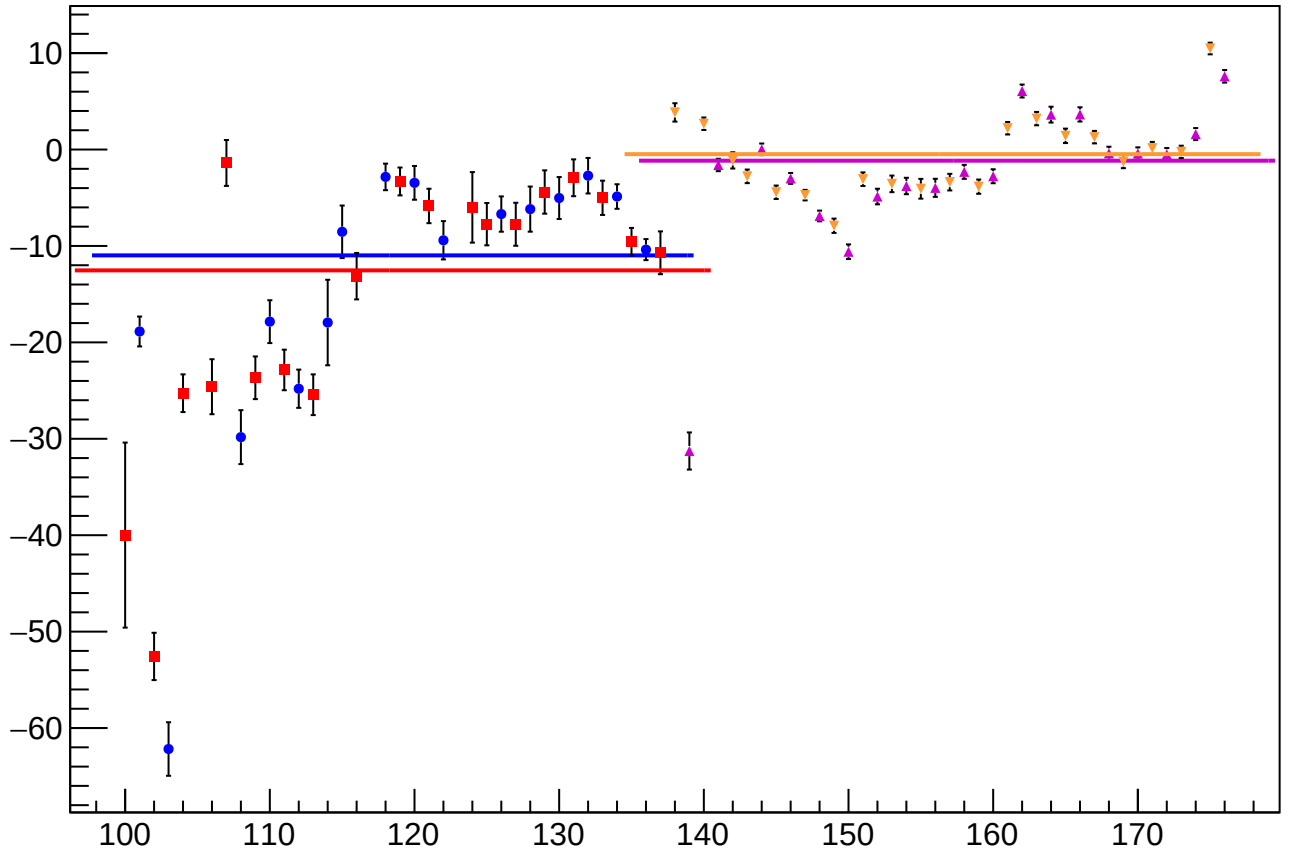
Left: -36.478+/-0.154 χ^2/NDF: 2989.7/38

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -33.303+/-0.195 χ^2/NDF:2104.1/34

Out: -34.027+/-0.194 χ^2/NDF:3093.9/38

All: -33.666+/-0.138 χ^2/NDF: 5204.8/73



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.480+/-0.158 χ^2/NDF:708.9/19

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -1.156+/-0.161 χ^2/NDF:961.6/18

Left: -0.813+/-0.113 χ^2/NDF: 1679.5/38

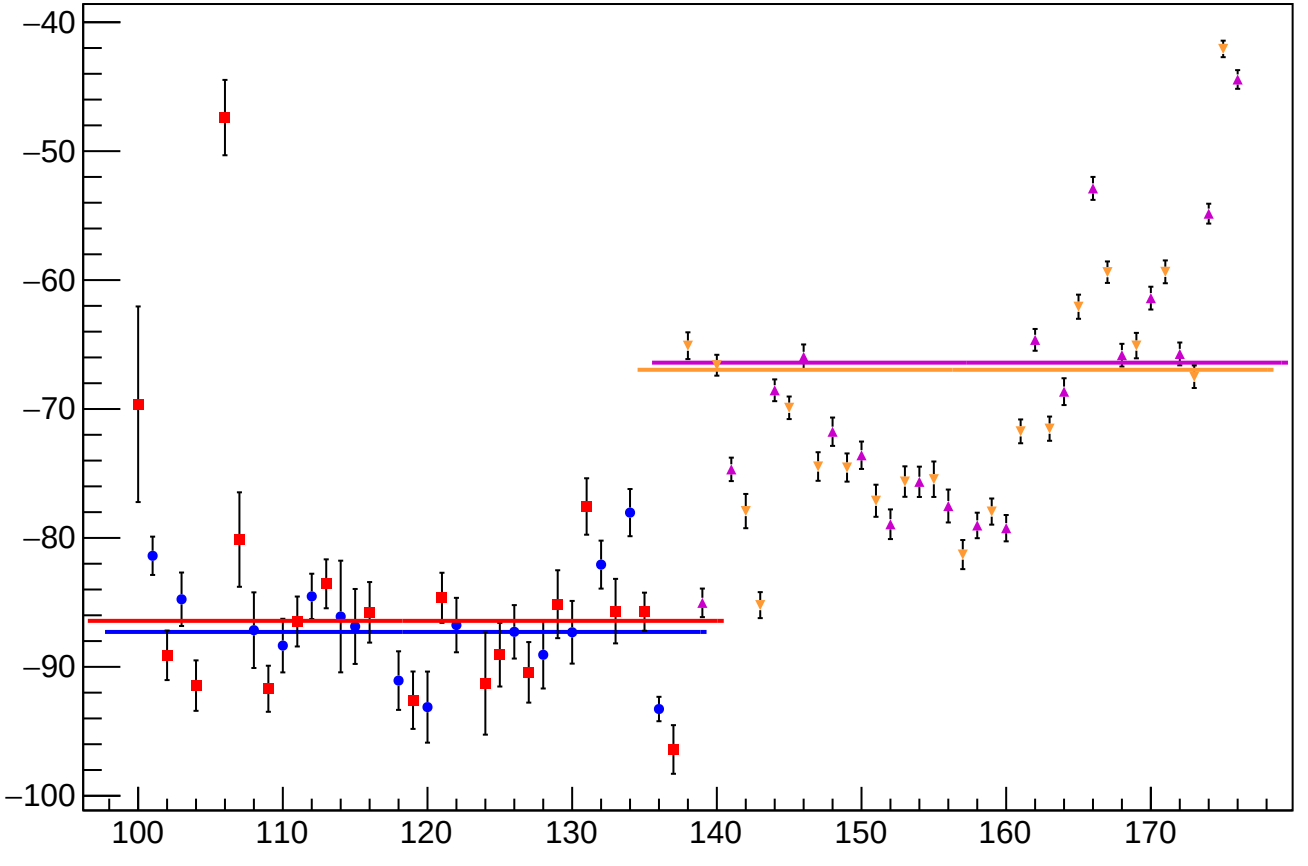
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -2.252+/-0.151 χ^2/NDF:1966.0/34

Out: -1.658+/-0.150 χ^2/NDF:1847.5/38

All: -1.952+/-0.107 χ^2/NDF: 3821.3/73

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: -66.957+/-0.215 χ^2/NDF:2692.0/19

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -66.404+/-0.217 χ^2/NDF:2433.5/18

Left: -66.682+/-0.153 χ^2/NDF: 5128.7/38

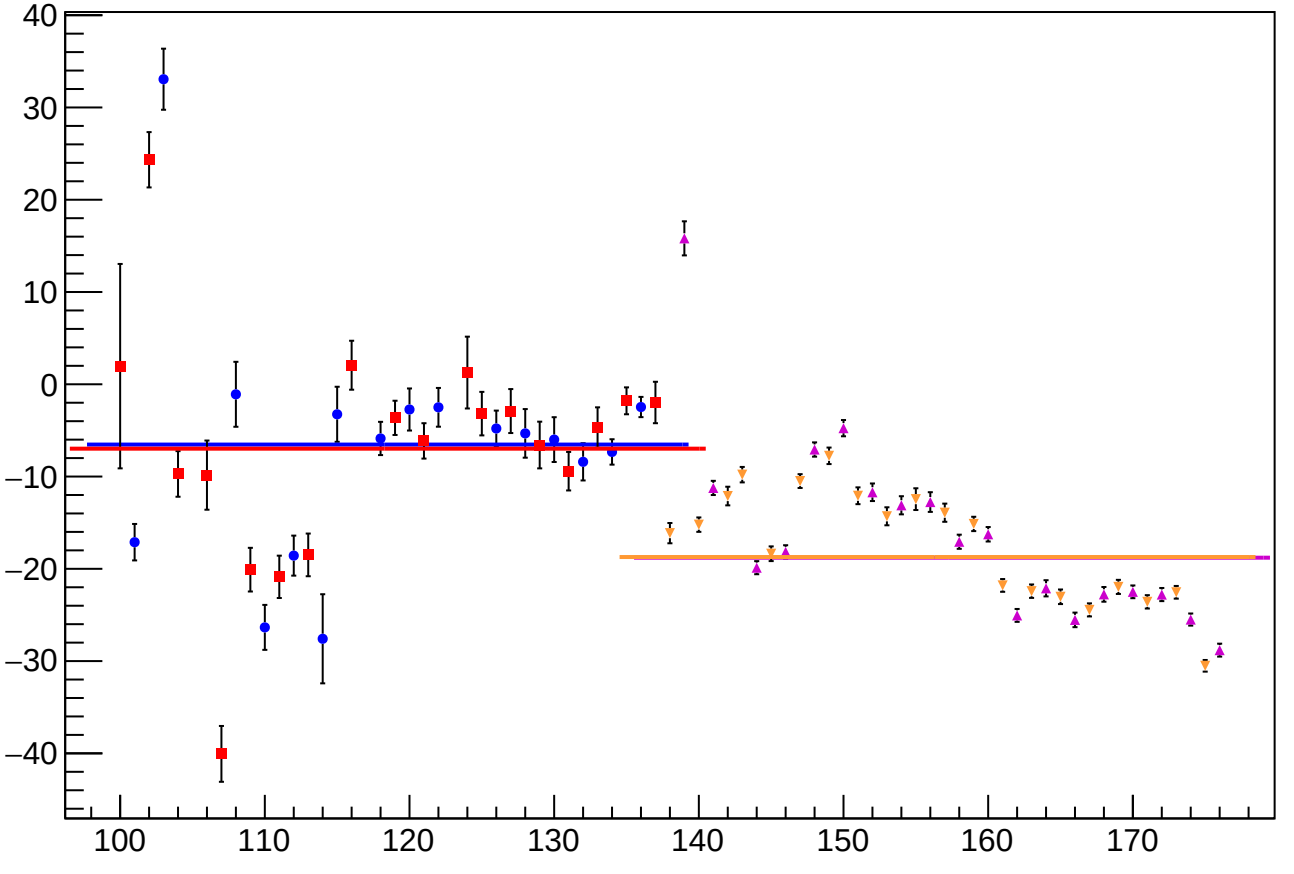
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -69.932+/-0.198 χ^2/NDF:4104.5/34

Out: -69.947+/-0.198 χ^2/NDF:4210.9/38

All: -69.939+/-0.140 χ^2/NDF: 8315.4/73

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: -18.724+/-0.180 χ^2/NDF:1183.3/19

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -18.795+/-0.182 χ^2/NDF:1632.1/18

Left: -18.759+/-0.128 χ^2/NDF: 2815.5/38

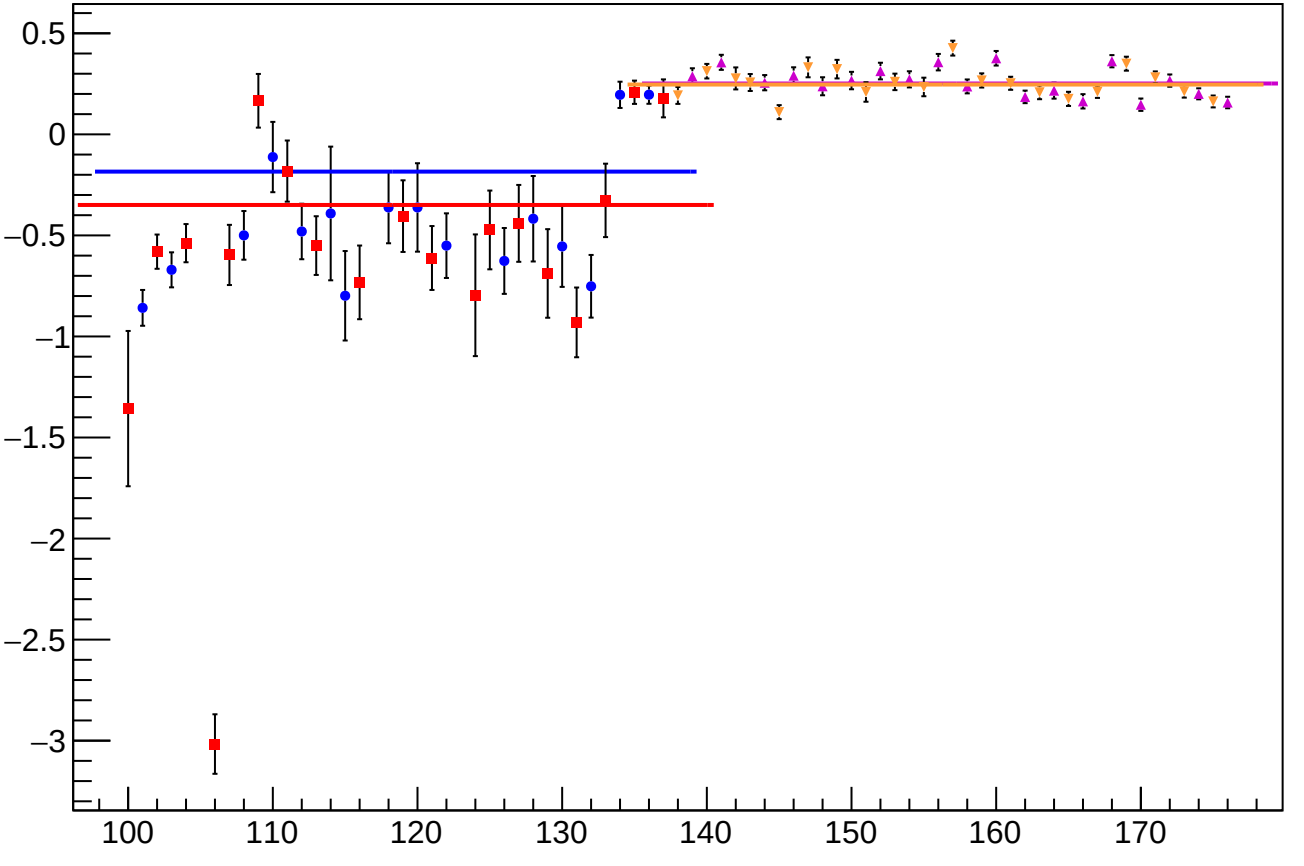
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -17.398+/-0.171 χ^2/NDF:2462.3/34

Out: -17.558+/-0.171 χ^2/NDF:1975.1/38

All: -17.478+/-0.121 χ^2/NDF: 4437.8/73

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: 0.246+/-0.008 χ^2/NDF:78.0/19

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.252+/-0.008 χ^2/NDF:82.2/18

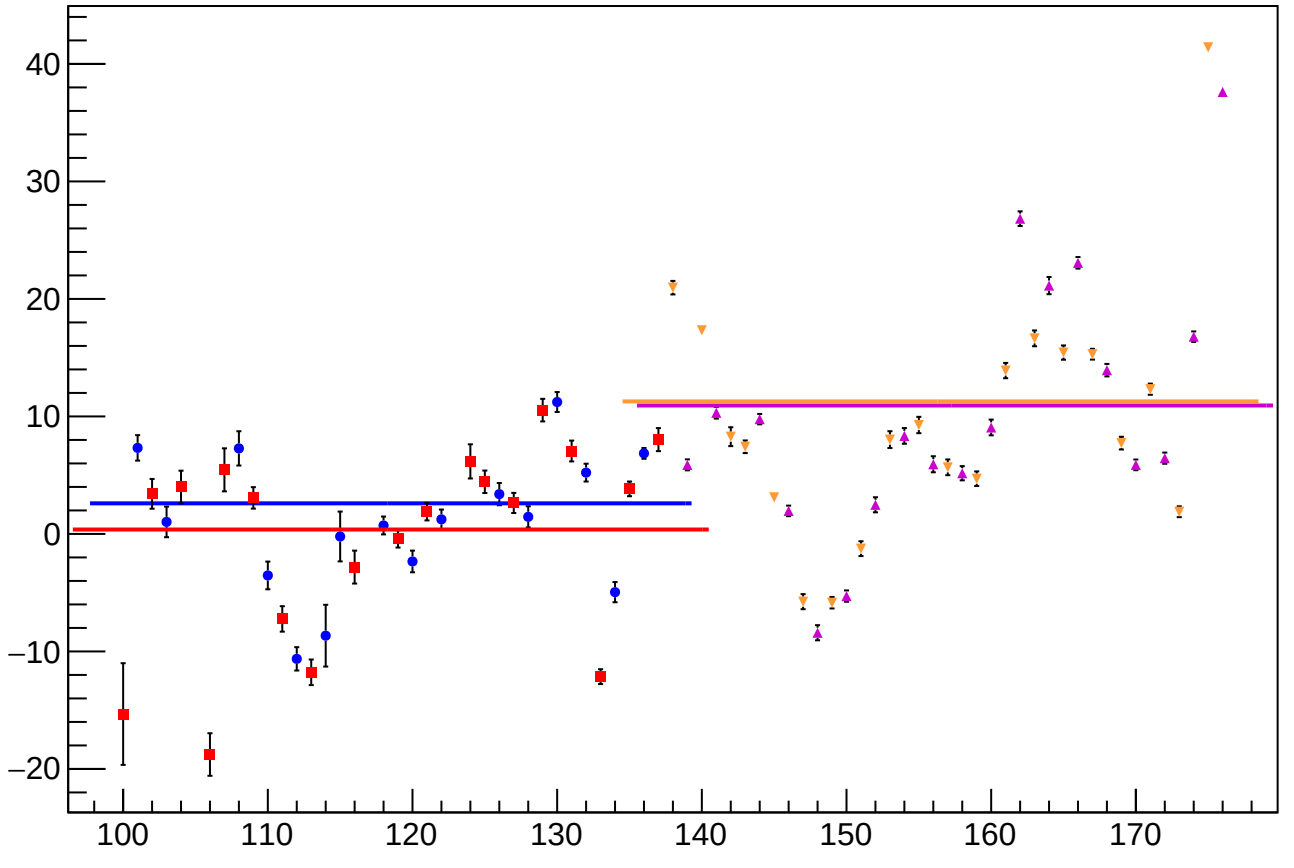
Left: 0.249+/-0.006 χ^2/NDF: 160.4/38

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

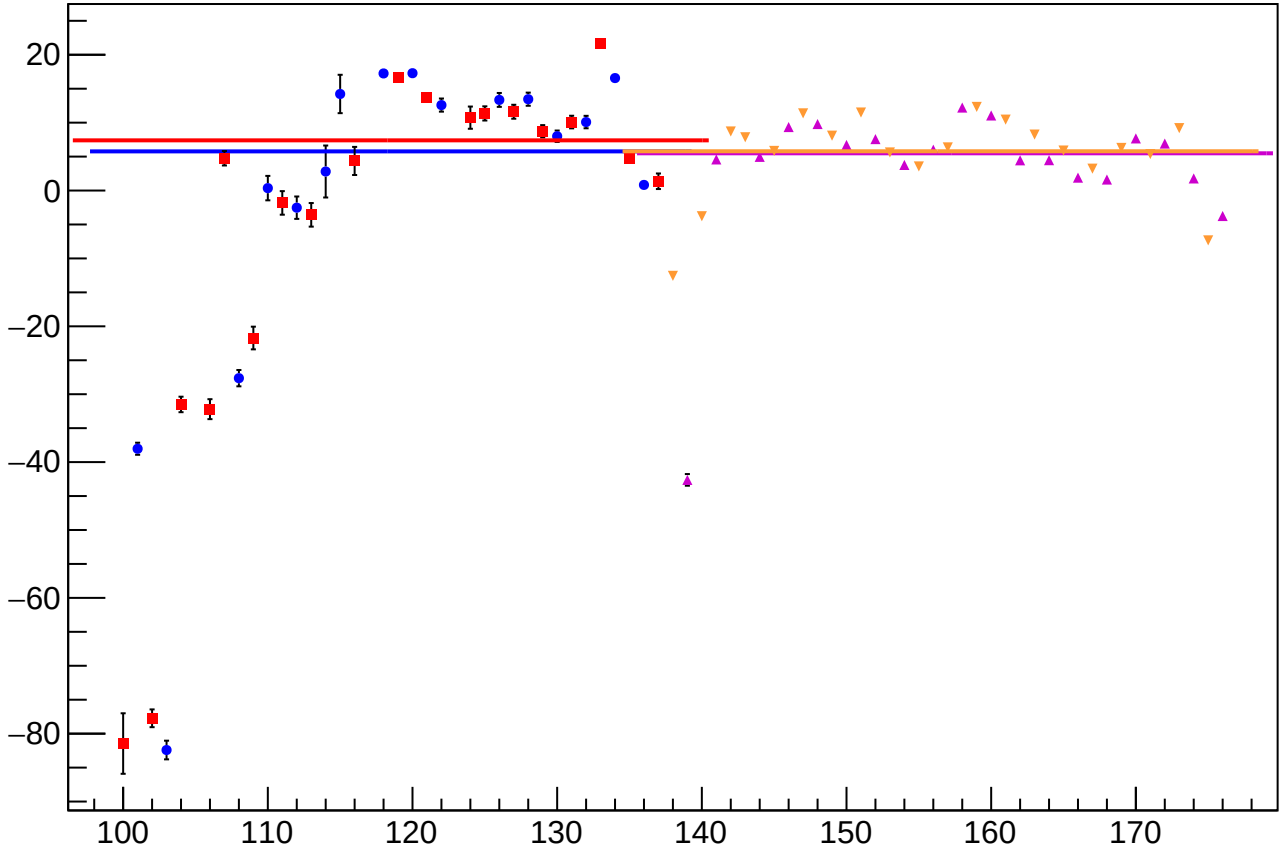
In: 0.215+/-0.008 χ^2/NDF:572.8/34

Out: 0.203+/-0.008 χ^2/NDF:977.5/38

All: 0.209+/-0.006 χ^2/NDF: 1551.5/73


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 11.279+/-0.120 χ²/NDF:9986.5/19
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 10.930+/-0.120 χ²/NDF:8615.0/18
Left: 11.105+/-0.085 χ²/NDF: 18605.7/38
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 9.066+/-0.106 χ²/NDF:10259.5/34
Out: 8.812+/-0.106 χ²/NDF:12879.3/38
All: 8.939+/-0.075 χ²/NDF: 23141.6/73

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.785+/-0.087 χ^2/NDF:4279.6/19

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.486+/-0.089 χ^2/NDF:4896.2/18

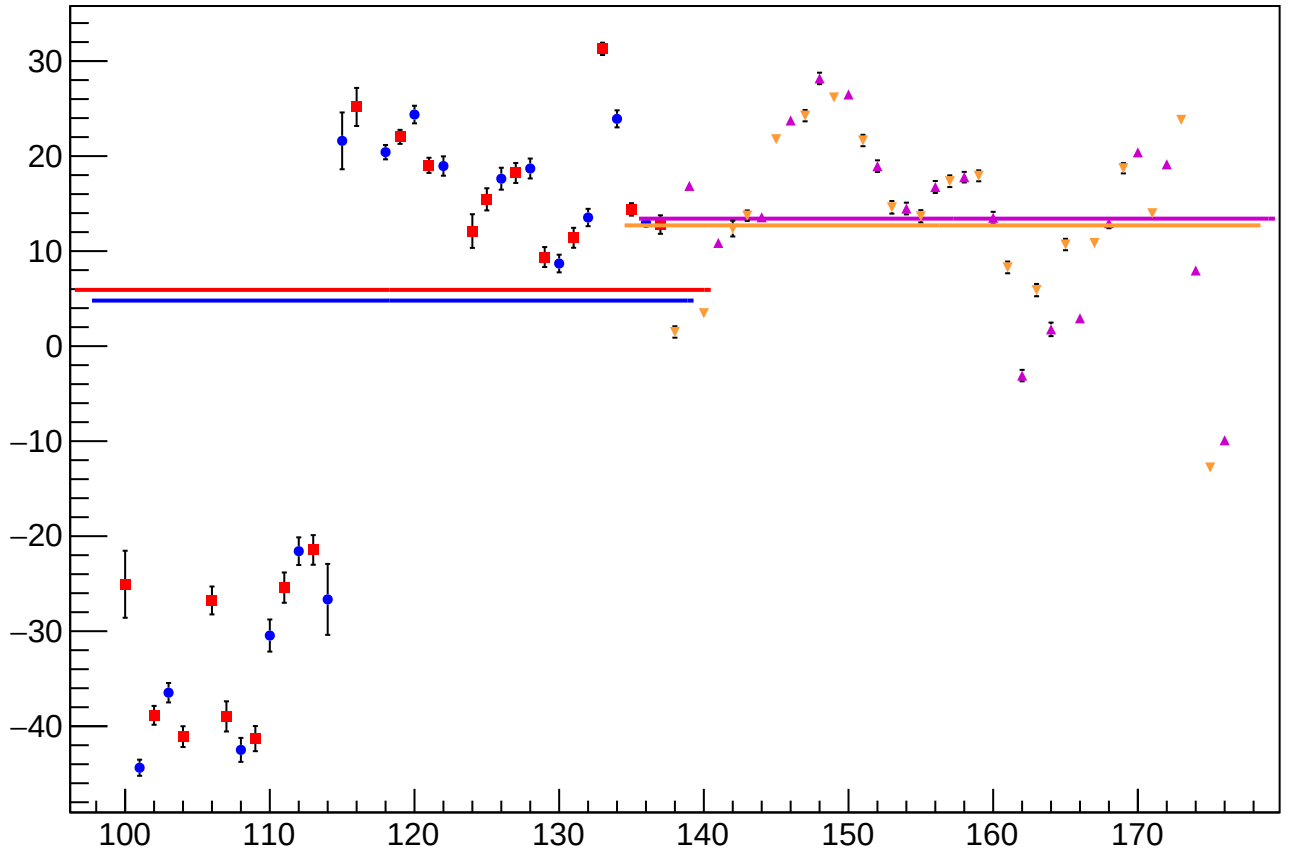
Left: 5.638+/-0.062 χ^2/NDF: 9181.5/38

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.529+/-0.082 χ^2/NDF:13831.6/34

Out: 6.025+/-0.081 χ^2/NDF:12720.6/38

All: 5.781+/-0.058 χ^2/NDF: 26570.8/73



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.706+/-0.119 χ^2/NDF:7957.1/19

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 13.417+/-0.119 χ^2/NDF:7242.1/18

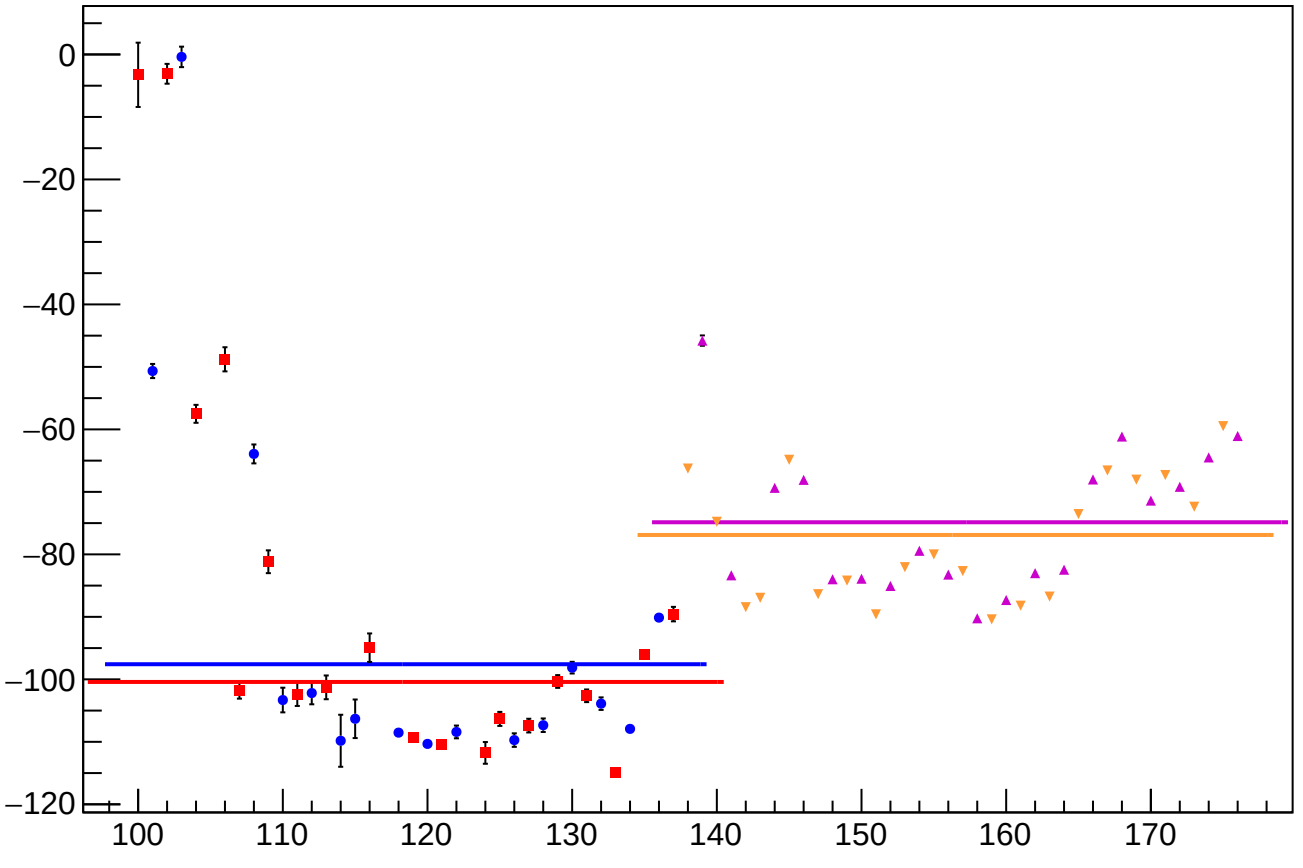
Left: 13.062+/-0.084 χ^2/NDF: 15217.1/38

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 11.686+/-0.106 χ^2/NDF:17793.4/34

Out: 11.367+/-0.107 χ^2/NDF:18658.7/38

All: 11.527+/-0.075 χ^2/NDF: 36456.6/73



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.895+/-0.100 χ^2/NDF:9852.4/19

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -74.862+/-0.101 χ^2/NDF:9415.5/18

Left: -75.891+/-0.071 χ^2/NDF: 19472.3/38

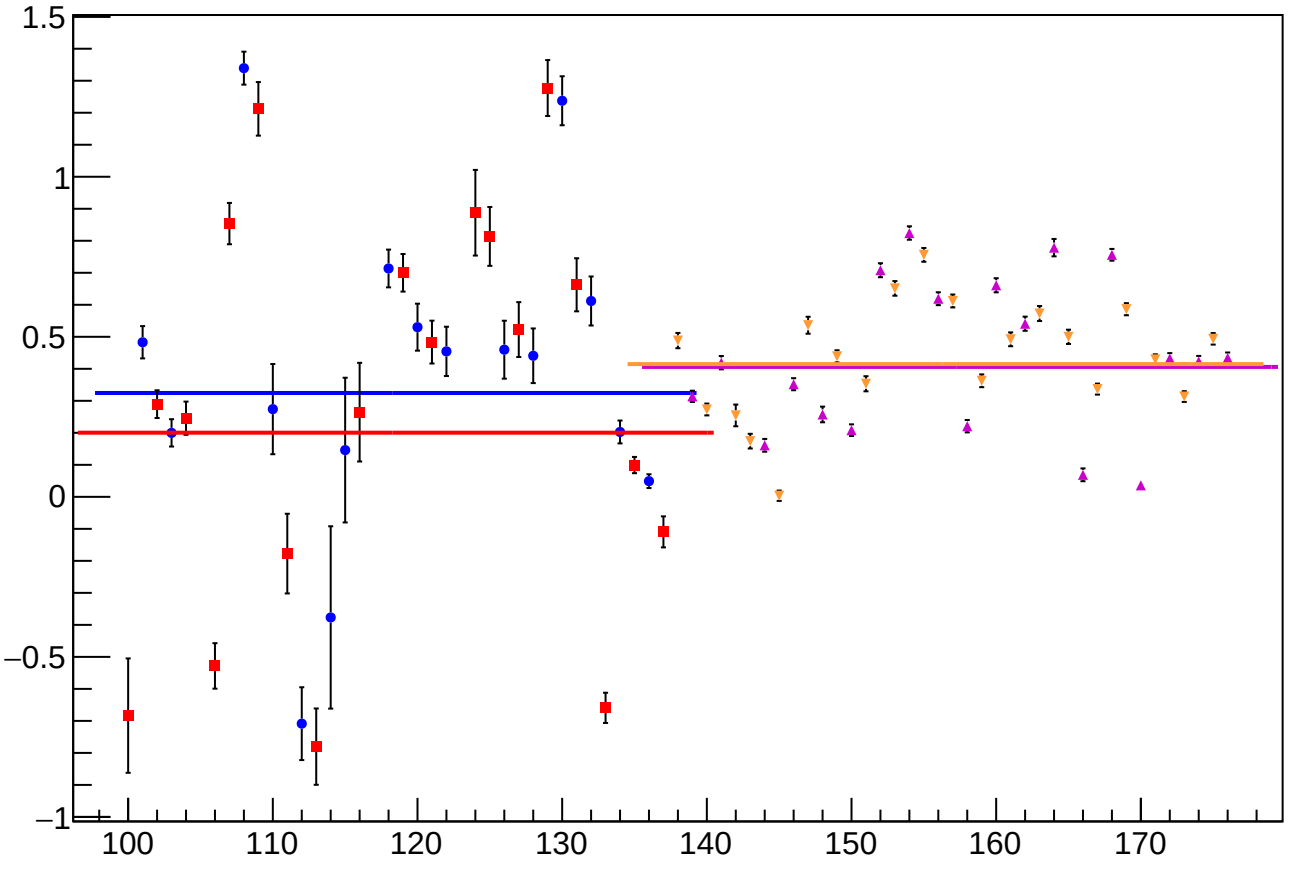
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -78.250+/-0.093 χ^2/NDF:24078.0/34

Out: -80.347+/-0.092 χ^2/NDF:25098.2/38

All: -79.310+/-0.066 χ^2/NDF: 49431.3/73

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.415+/-0.005 χ^2/NDF:1568.7/19

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.406+/-0.004 χ^2/NDF:2701.3/18

Left: 0.410+/-0.003 χ^2/NDF: 4271.9/38

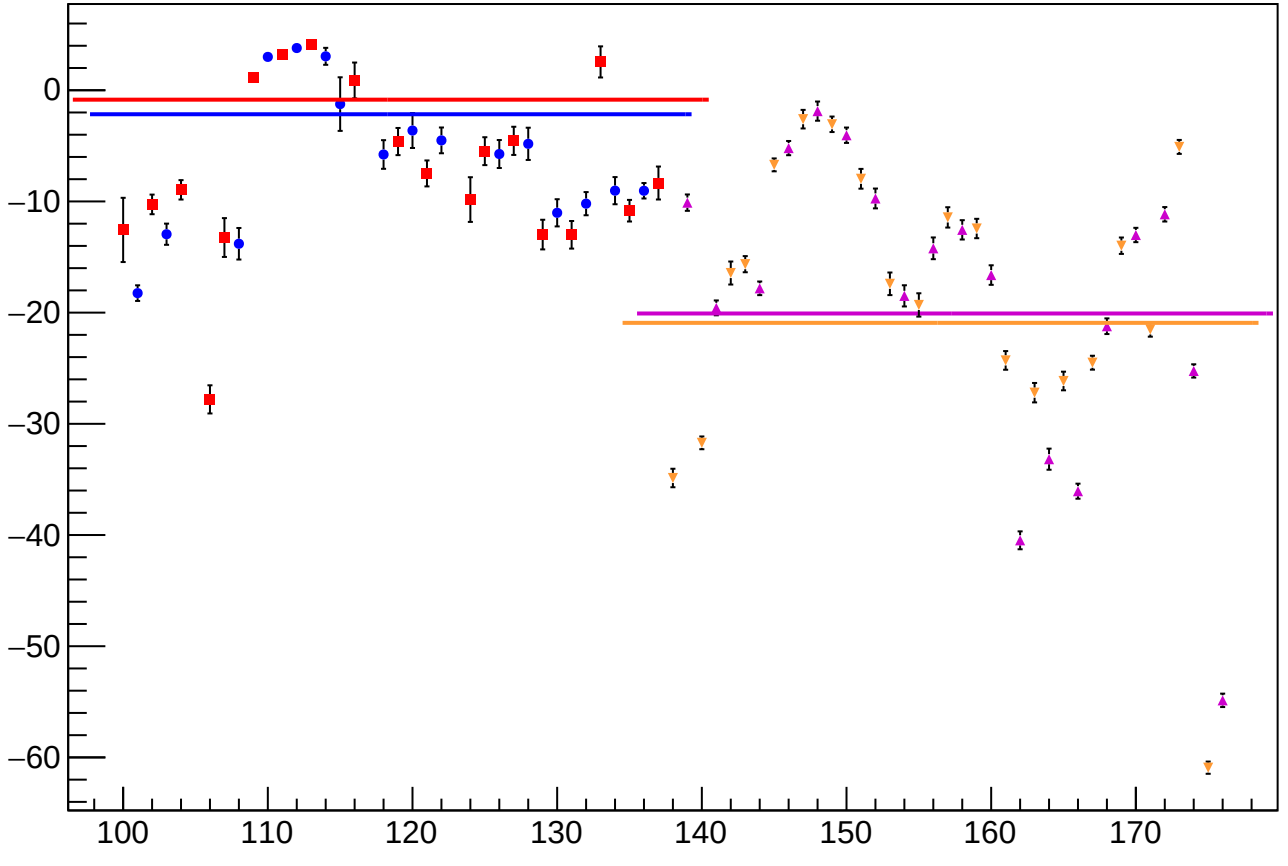
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.398+/-0.004 χ^2/NDF:3621.5/34

Out: 0.394+/-0.004 χ^2/NDF:2991.4/38

All: 0.396+/-0.003 χ^2/NDF: 6613.3/73

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -20.919+/-0.166 χ^2/NDF:9017.2/19

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -20.077+/-0.167 χ^2/NDF:7082.0/18

Left: -20.500+/-0.118 χ^2/NDF: 16112.0/38

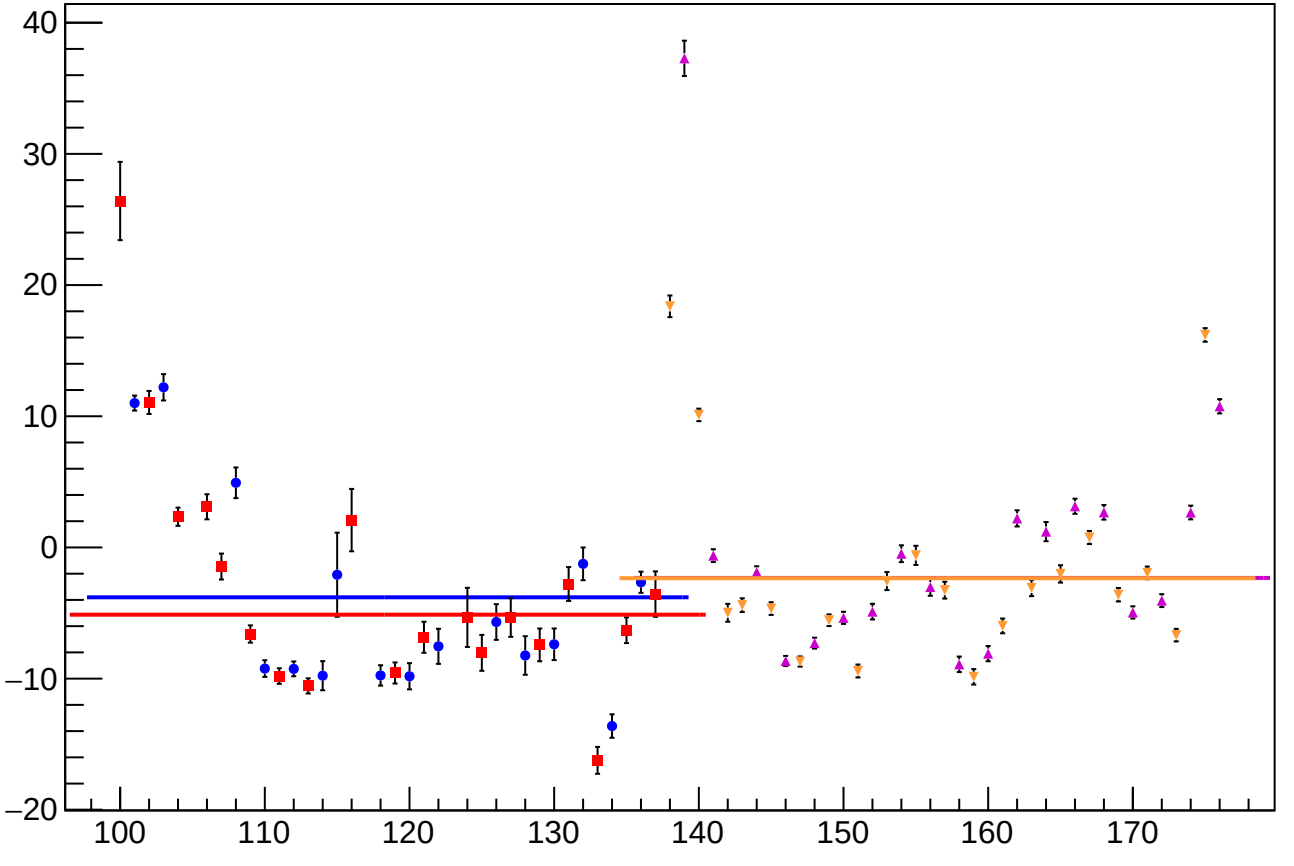
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -12.352+/-0.126 χ^2/NDF:13528.0/34

Out: -11.124+/-0.119 χ^2/NDF:17586.0/38

All: -11.703+/-0.087 χ^2/NDF: 31164.1/73

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: -2.344+/-0.120 χ^2/NDF:3502.4/19

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -2.323+/-0.123 χ^2/NDF:2545.2/18

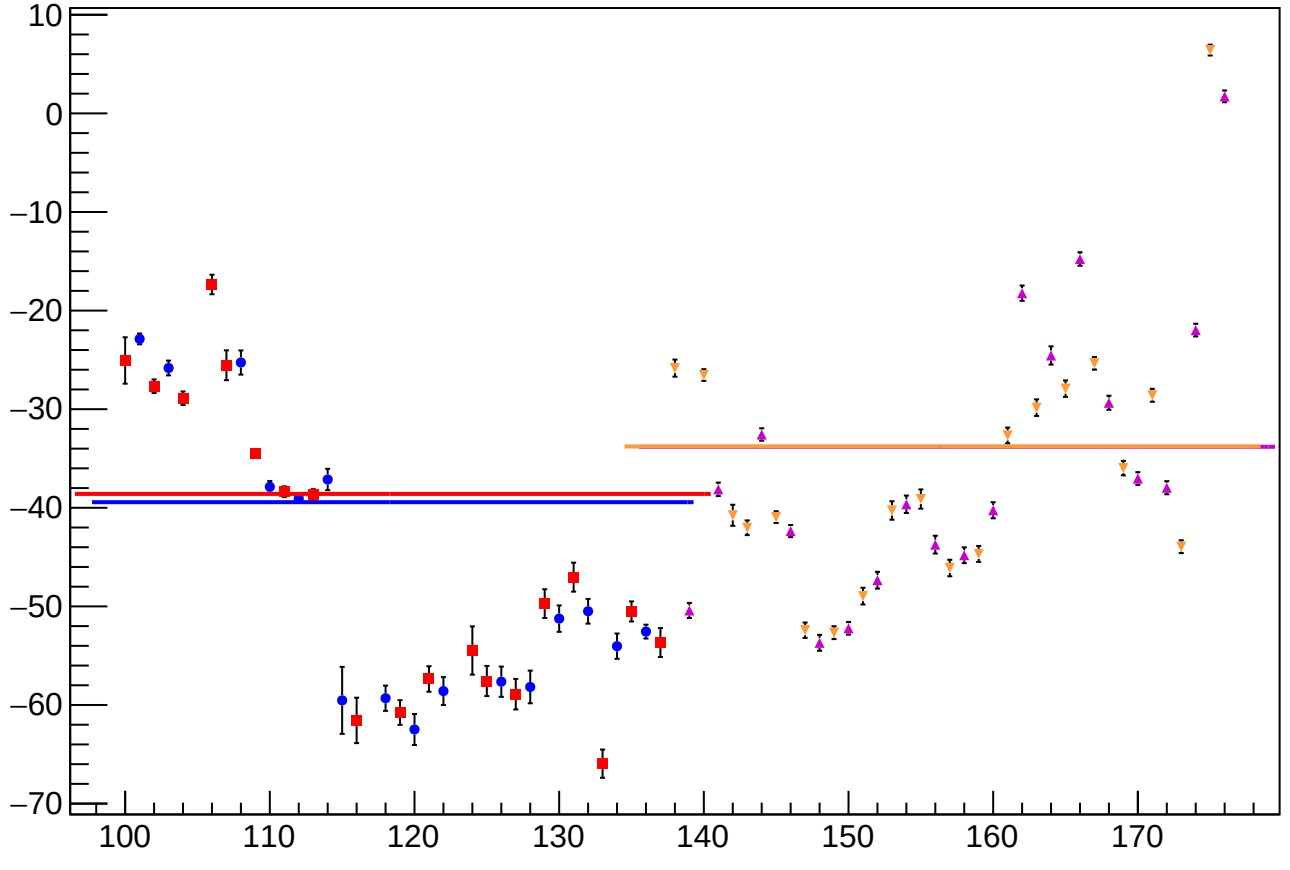
Left: -2.334+/-0.086 χ^2/NDF: 6047.7/38

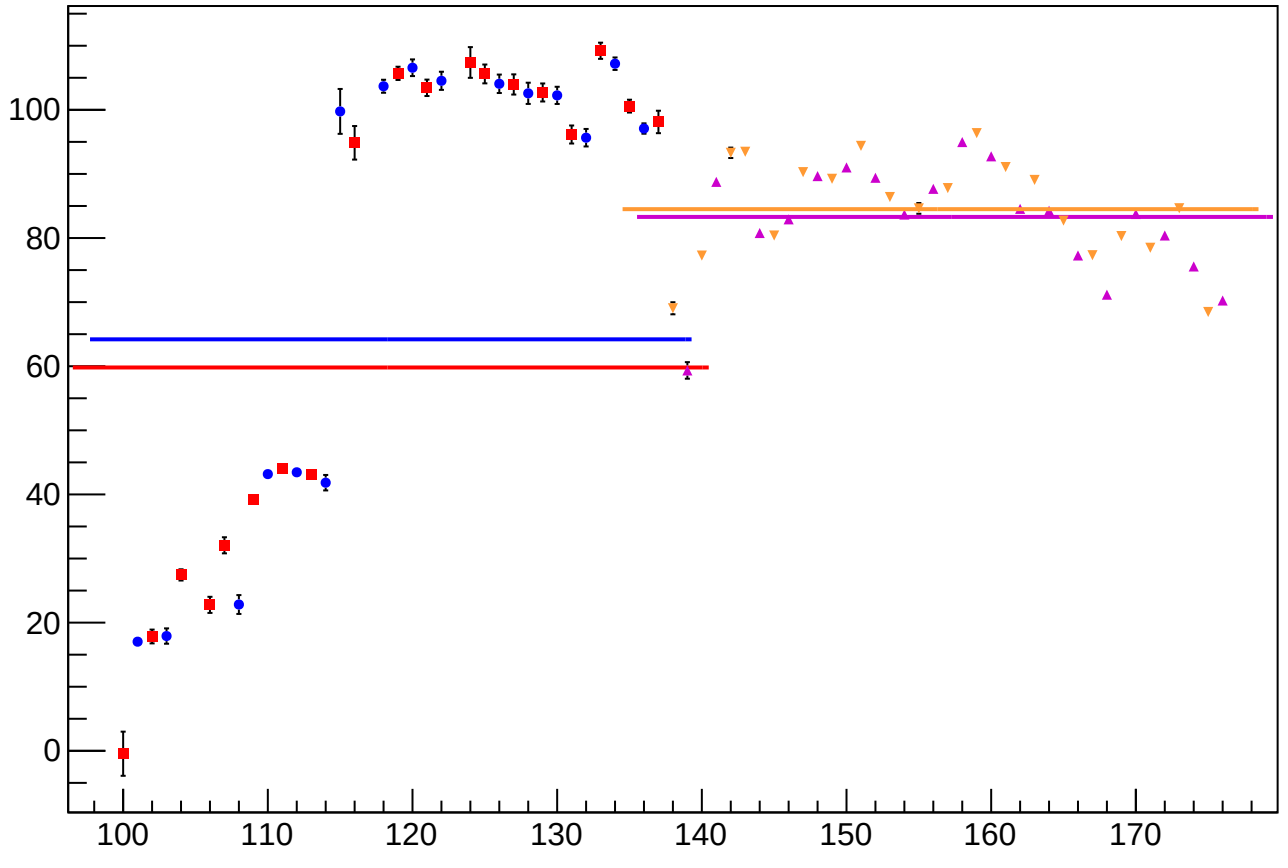
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.660+/-0.108 χ^2/NDF:4003.8/34

Out: -2.990+/-0.105 χ^2/NDF:4607.1/38

All: -2.829+/-0.075 χ^2/NDF: 8615.8/73


reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -39.431+/-0.225 χ²/NDF: 2958.1/15
Left Out: -33.781+/-0.165 χ²/NDF:8659.5/19
Right Out: -38.593+/-0.213 χ²/NDF: 2772.1/18
Left In: -33.814+/-0.165 χ²/NDF:8052.7/18
Left: -33.798+/-0.117 χ²/NDF: 16712.2/38
Right: -38.987+/-0.155 χ²/NDF: 5737.6/34
In: -35.778+/-0.133 χ²/NDF:11414.6/34
Out: -35.586+/-0.130 χ²/NDF:11751.9/38
All: -35.679+/-0.093 χ²/NDF: 23167.5/73



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.505+/-0.138 χ^2/NDF:3042.1/19

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.293+/-0.140 χ^2/NDF:2653.9/18

Left: 83.907+/-0.098 χ^2/NDF: 5734.3/38

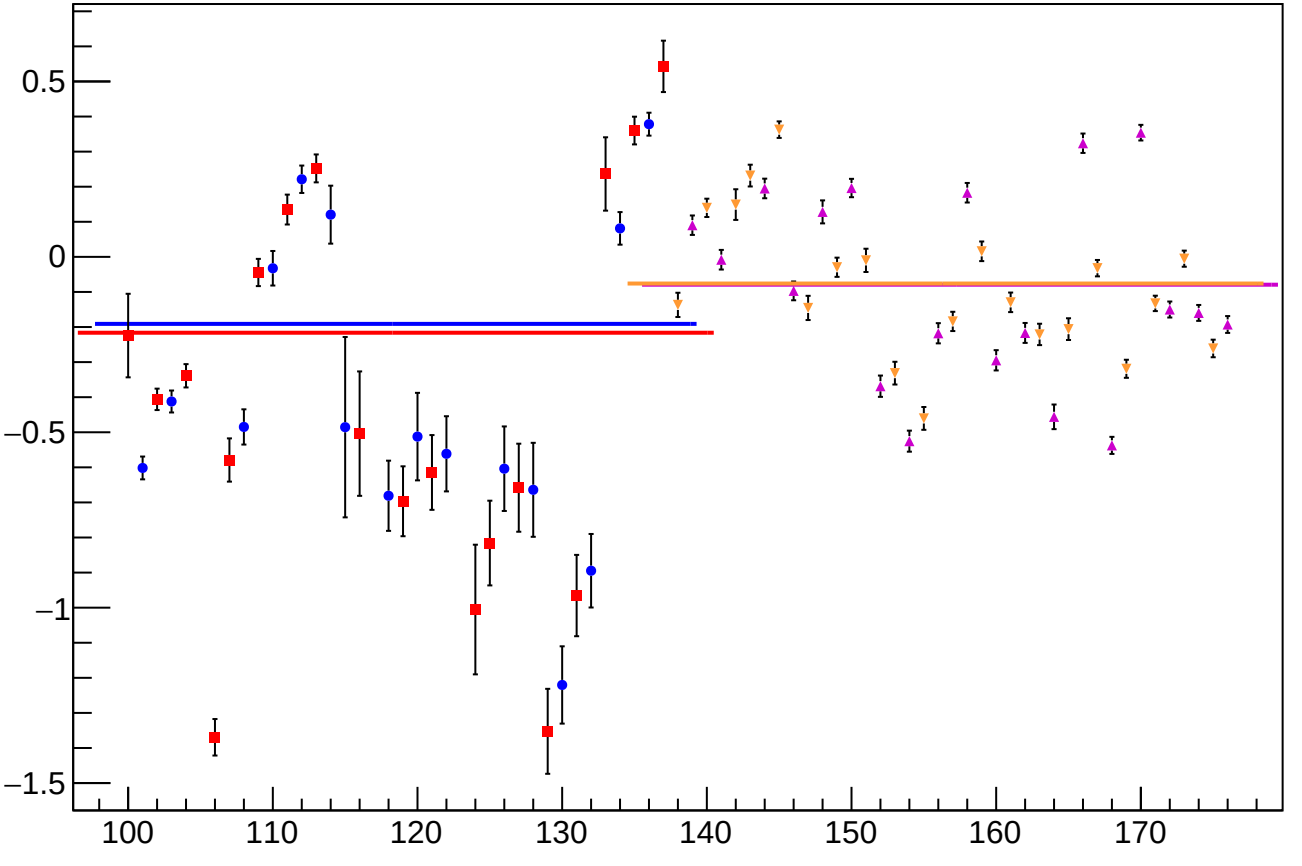
Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.959+/-0.123 χ^2/NDF:25502.4/34

Out: 78.719+/-0.120 χ^2/NDF:28023.9/38

All: 78.837+/-0.086 χ^2/NDF: 53528.3/73

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.076+/-0.006 χ^2/NDF:989.4/19

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.079+/-0.006 χ^2/NDF:1900.2/18

Left: -0.078+/-0.004 χ^2/NDF: 2889.7/38

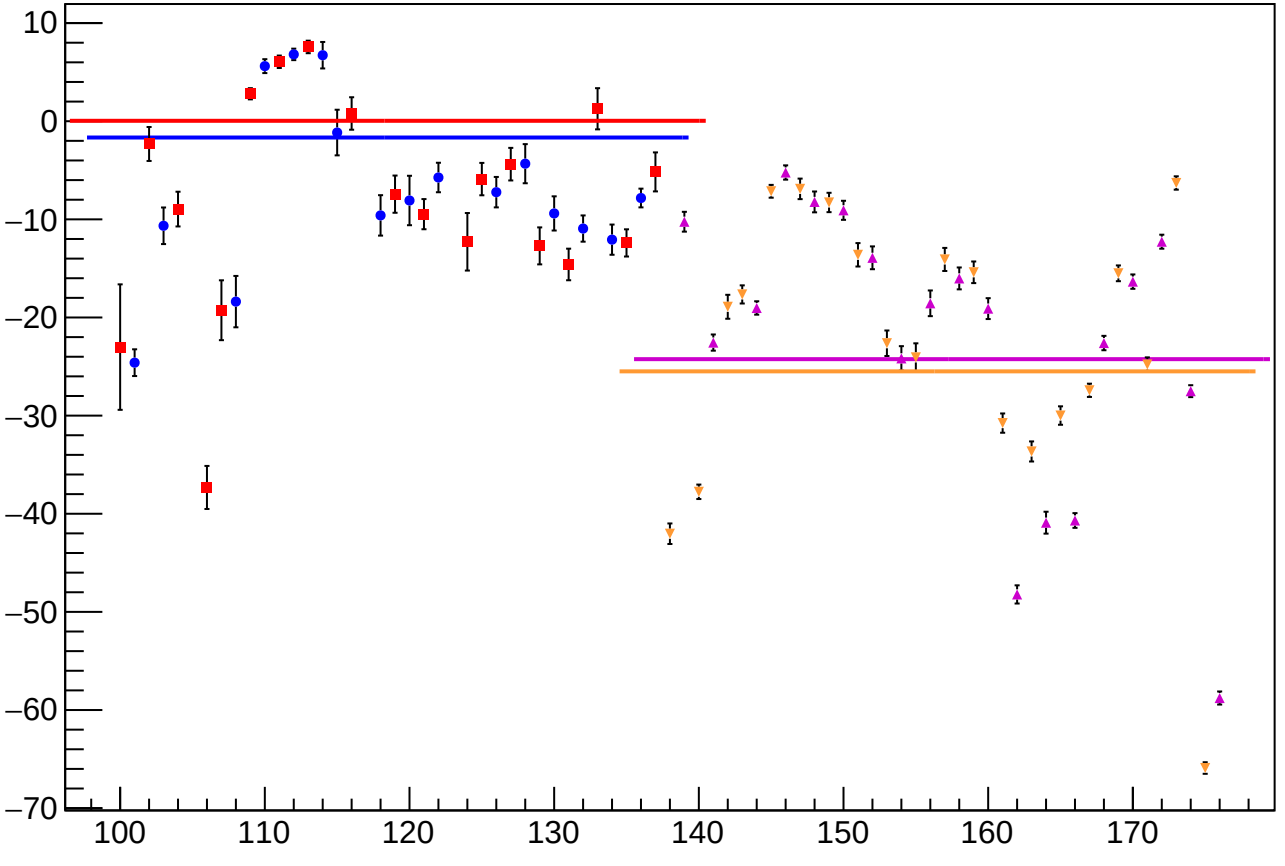
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.099+/-0.006 χ^2/NDF:2875.6/34

Out: -0.103+/-0.006 χ^2/NDF:2452.7/38

All: -0.101+/-0.004 χ^2/NDF: 5328.5/73

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: -25.490+/-0.196 χ^2/NDF:8100.2/19

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -24.246+/-0.194 χ^2/NDF:6074.6/18

Left: -24.862+/-0.138 χ^2/NDF: 14195.1/38

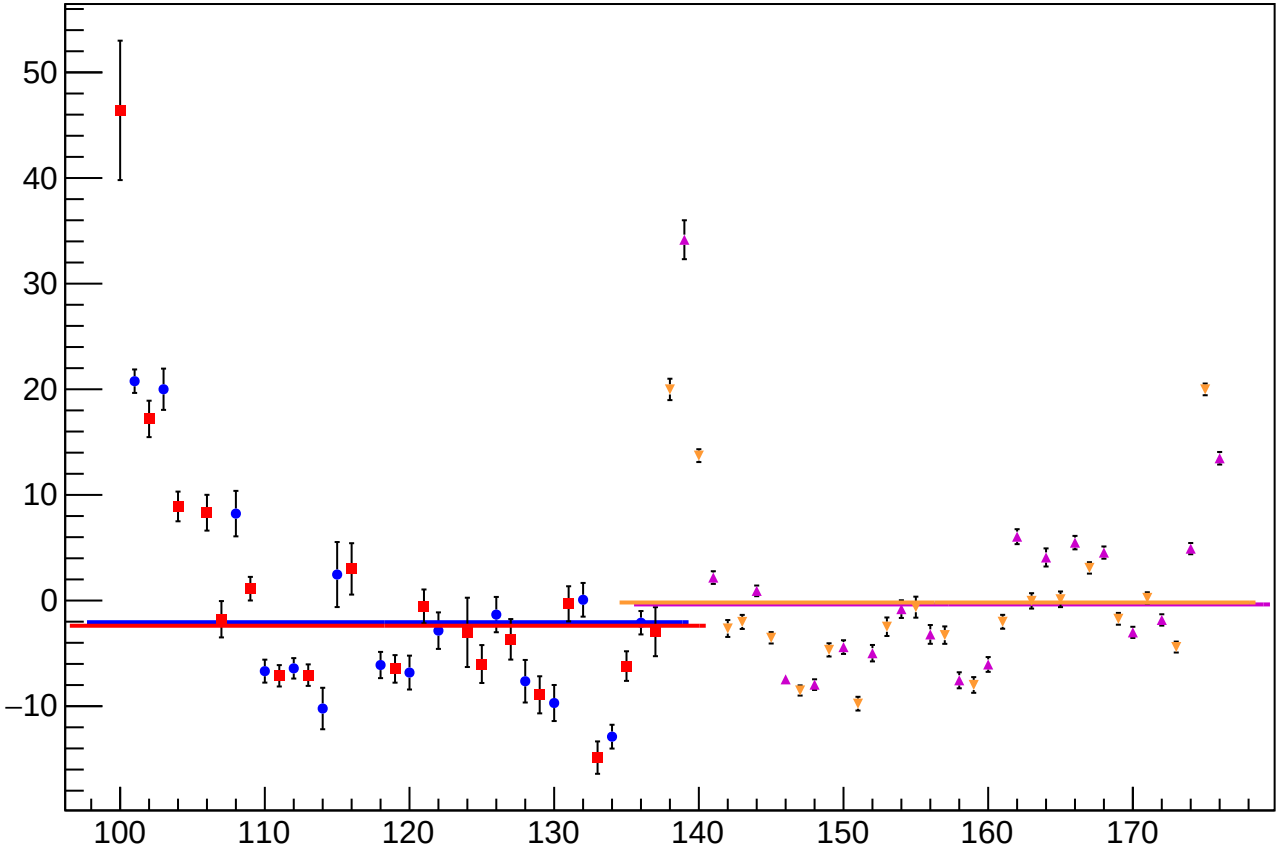
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -17.819+/-0.164 χ^2/NDF:10820.1/34

Out: -17.167+/-0.161 χ^2/NDF:14560.0/38

All: -17.486+/-0.115 χ^2/NDF: 25388.1/73

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.184+/-0.143 χ^2/NDF:3111.1/19

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -0.368+/-0.143 χ^2/NDF:2049.2/18

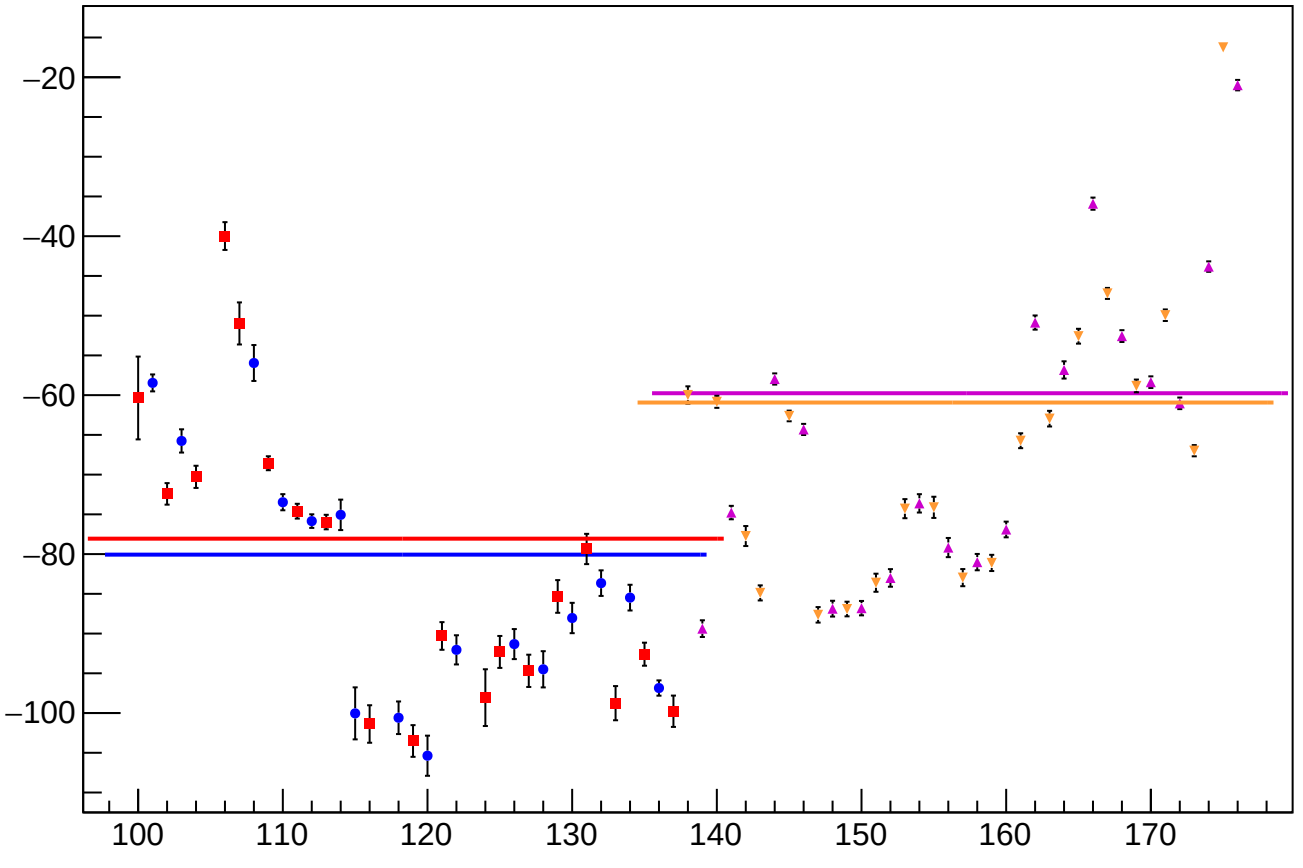
Left: -0.276+/-0.101 χ^2/NDF: 5161.2/38

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.601+/-0.133 χ^2/NDF:2840.3/34

Out: -0.492+/-0.133 χ^2/NDF:3595.1/38

All: -0.546+/-0.094 χ^2/NDF: 6435.8/73



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.930+/-0.195 χ^2/NDF:10351.0/19

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -59.760+/-0.193 χ^2/NDF:9595.9/18

Left: -60.340+/-0.137 χ^2/NDF: 19965.1/38

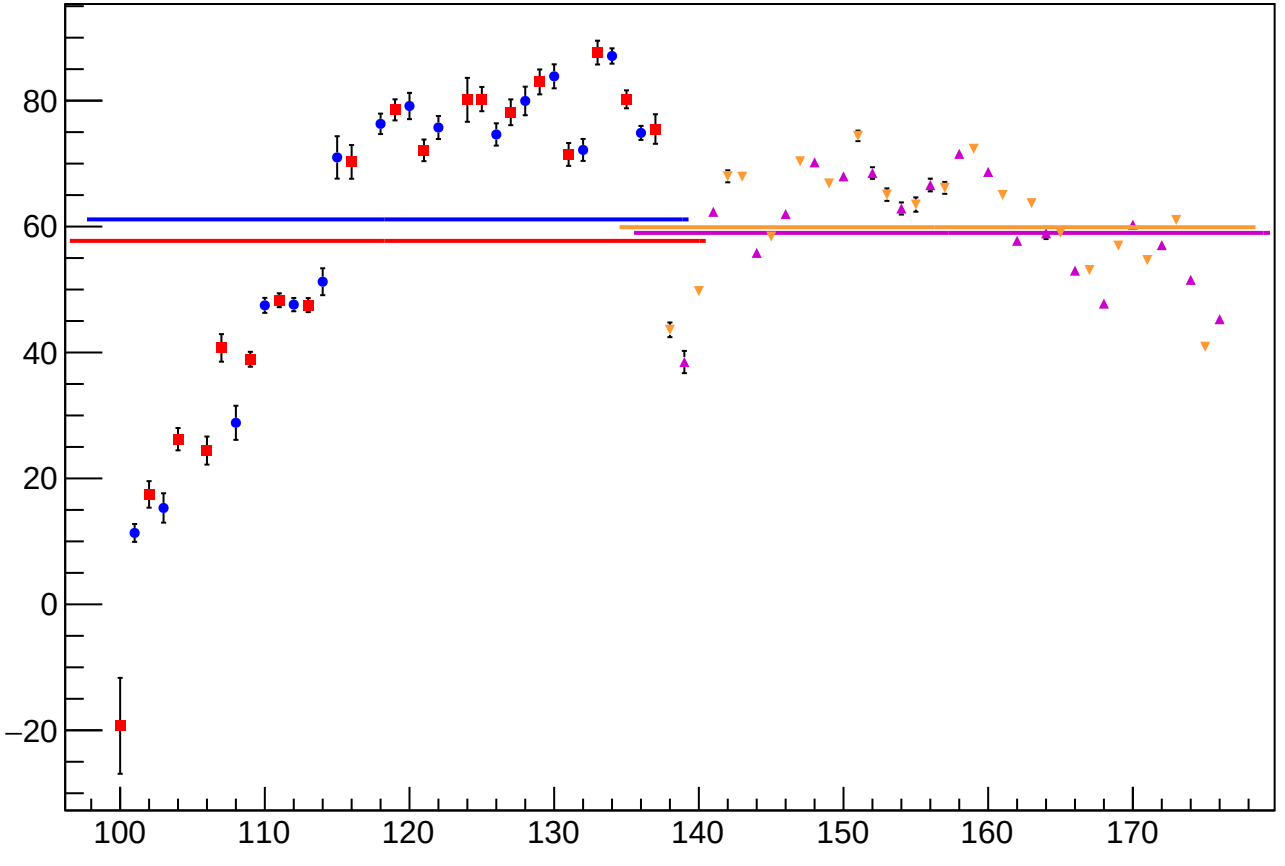
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -64.214+/-0.171 χ^2/NDF:13408.0/34

Out: -64.922+/-0.171 χ^2/NDF:13712.7/38

All: -64.568+/-0.121 χ^2/NDF: 27129.3/73

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: 59.899+/-0.163 χ^2/NDF:2925.1/19

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.997+/-0.162 χ^2/NDF:2218.5/18

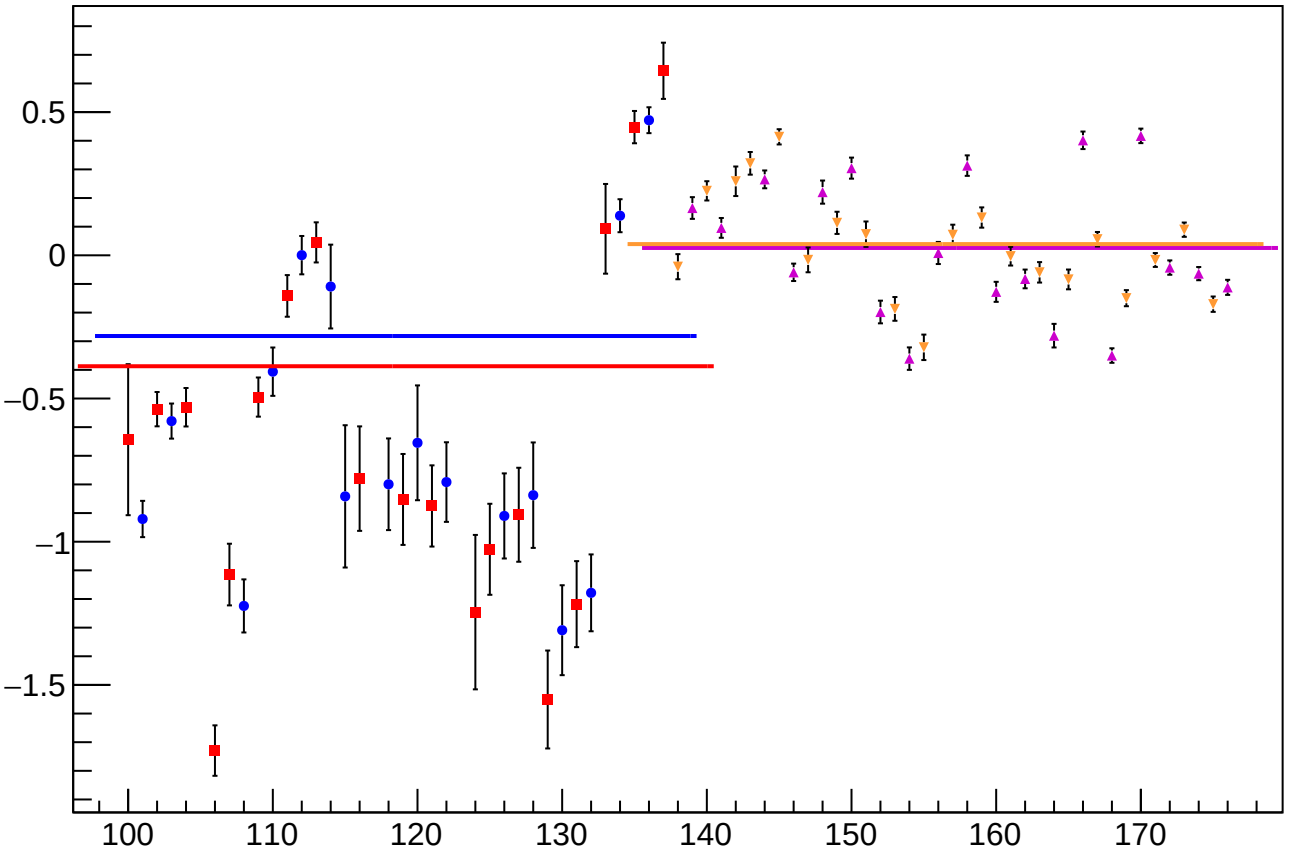
Left: 59.447+/-0.115 χ^2/NDF: 5159.1/38

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 59.299+/-0.150 χ^2/NDF:5472.4/34

Out: 59.591+/-0.151 χ^2/NDF:5726.0/38

All: 59.445+/-0.106 χ^2/NDF: 11200.3/73



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.039+/-0.007 χ^2/NDF:548.1/19

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.026+/-0.007 χ^2/NDF:1102.9/18

Left: 0.032+/-0.005 χ^2/NDF: 1652.7/38

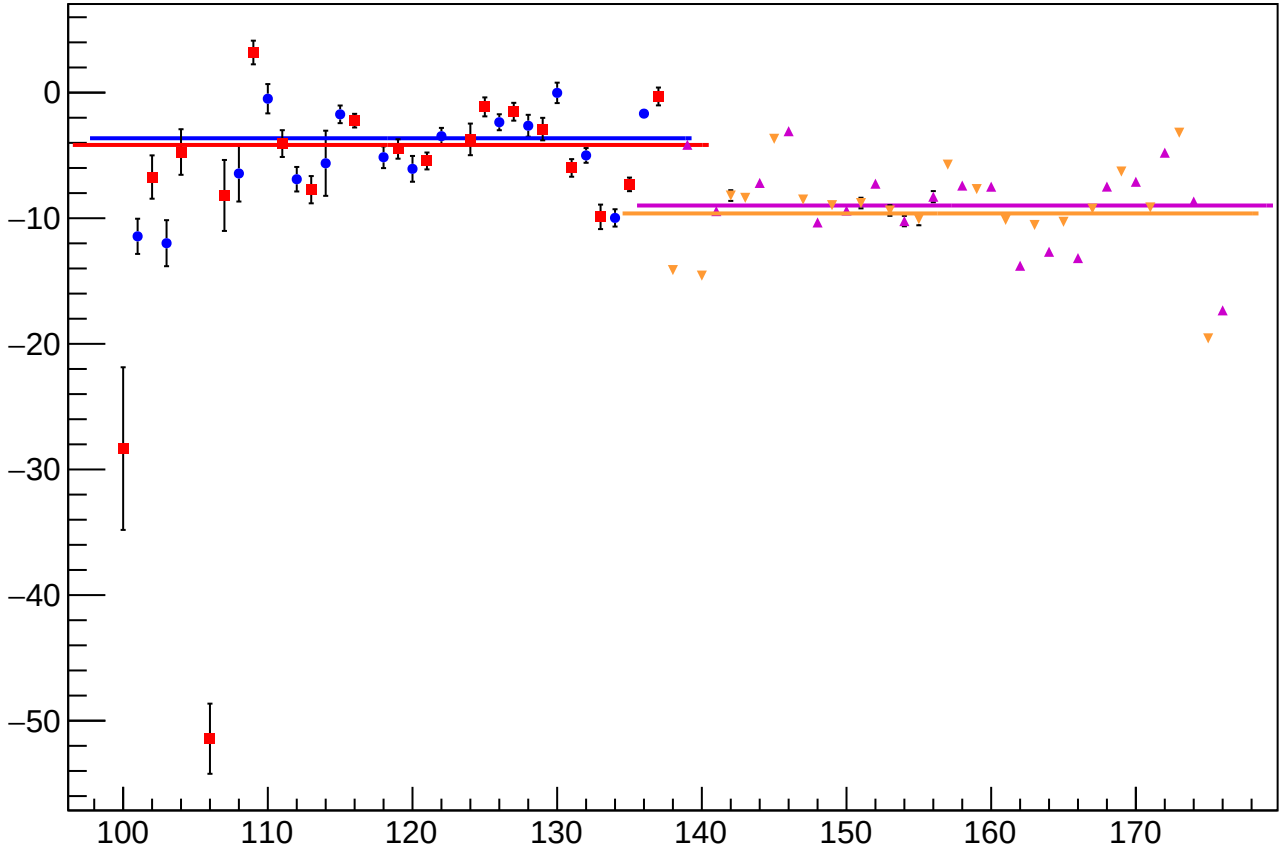
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.005+/-0.007 χ^2/NDF:2012.8/34

Out: -0.004+/-0.007 χ^2/NDF:1707.1/38

All: -0.005+/-0.005 χ^2/NDF: 3719.9/73

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.619+/-0.064 χ^2/NDF:5468.9/19

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.987+/-0.063 χ^2/NDF:3769.3/18

Left: -9.297+/-0.045 χ^2/NDF: 9288.3/38

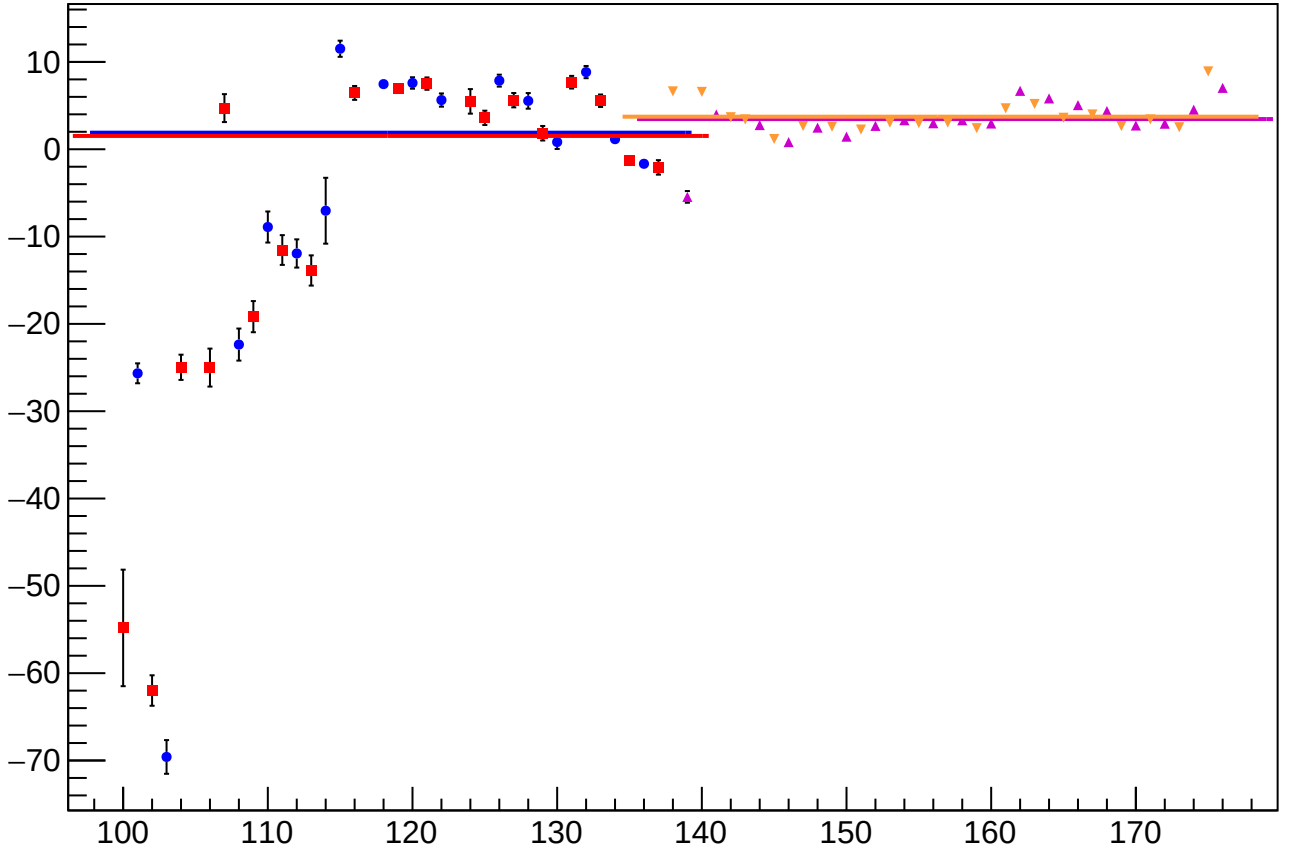
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -8.459+/-0.059 χ^2/NDF:4726.9/34

Out: -9.114+/-0.061 χ^2/NDF:6676.7/38

All: -8.779+/-0.042 χ^2/NDF: 11463.0/73

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: 3.730+/-0.047 χ^2/NDF:1654.1/19

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.458+/-0.046 χ^2/NDF:1520.4/18

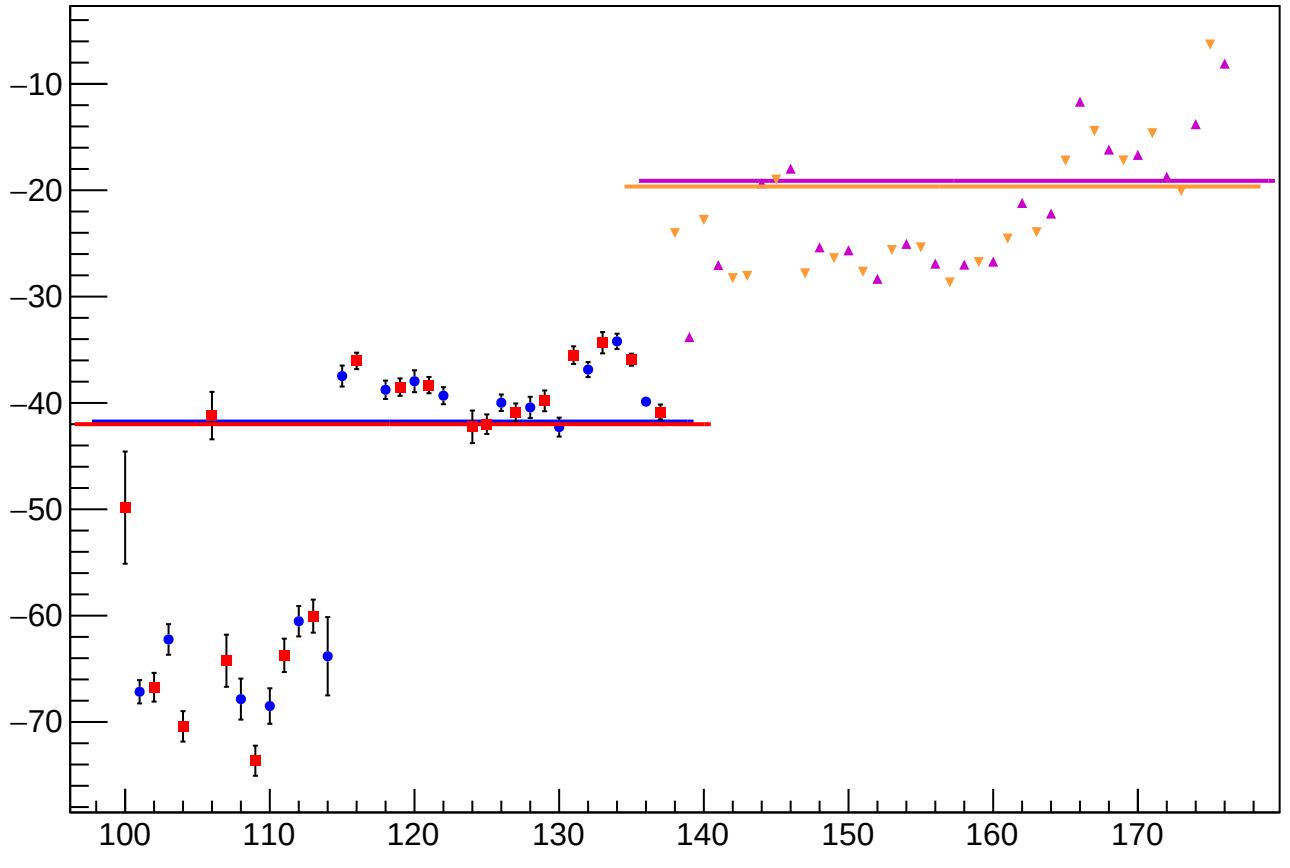
Left: 3.592+/-0.033 χ^2/NDF: 3191.6/38

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.370+/-0.045 χ^2/NDF:4422.8/34

Out: 3.624+/-0.046 χ^2/NDF:4320.6/38

All: 3.494+/-0.032 χ^2/NDF: 8759.1/73



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.651+/-0.063 χ^2/NDF:11102.0/19

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -19.117+/-0.062 χ^2/NDF:10192.1/18

Left: -19.379+/-0.044 χ^2/NDF: 21330.1/38

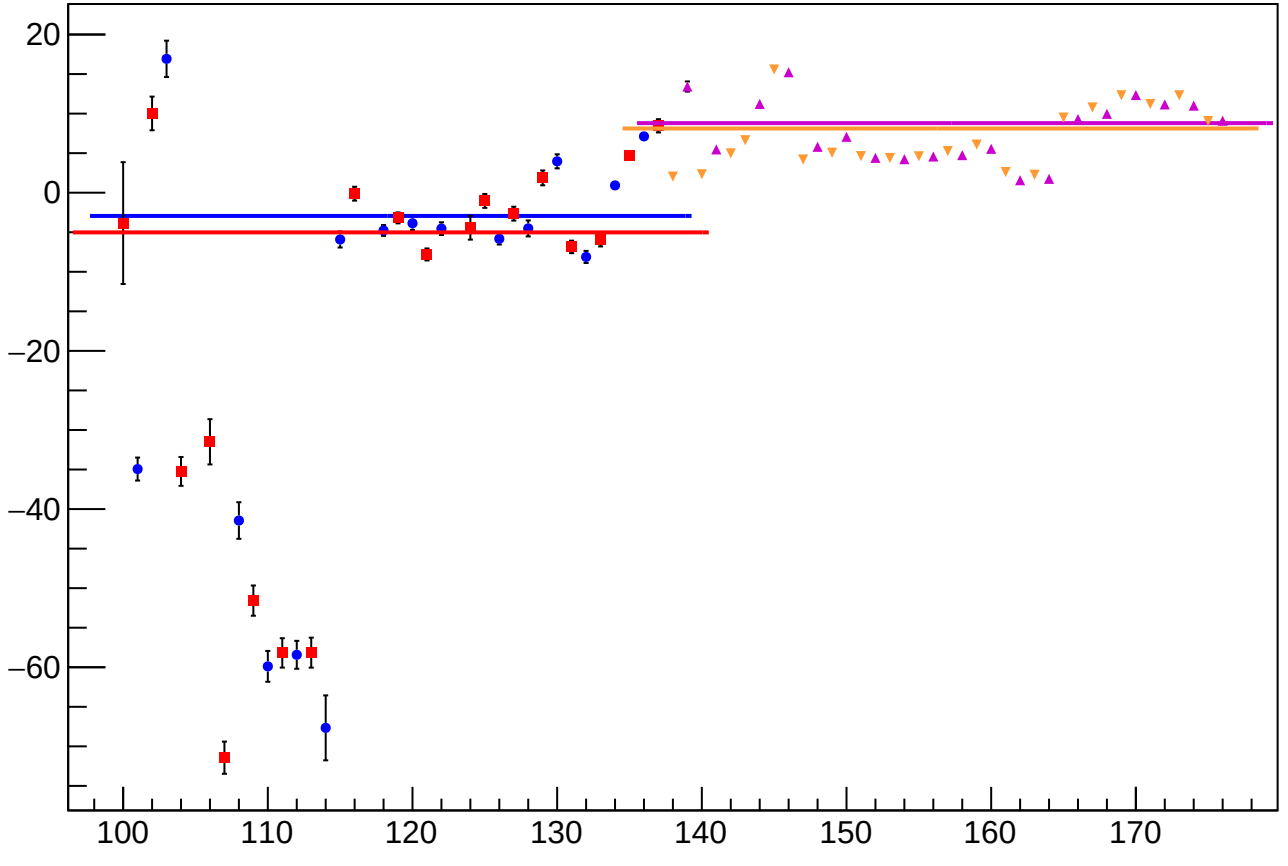
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -20.985+/-0.060 χ^2/NDF:22728.9/34

Out: -21.254+/-0.061 χ^2/NDF:21985.0/38

All: -21.116+/-0.043 χ^2/NDF: 44723.7/73

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.120+/-0.053 χ^2/NDF:5915.2/19

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.797+/-0.052 χ^2/NDF:5305.4/18

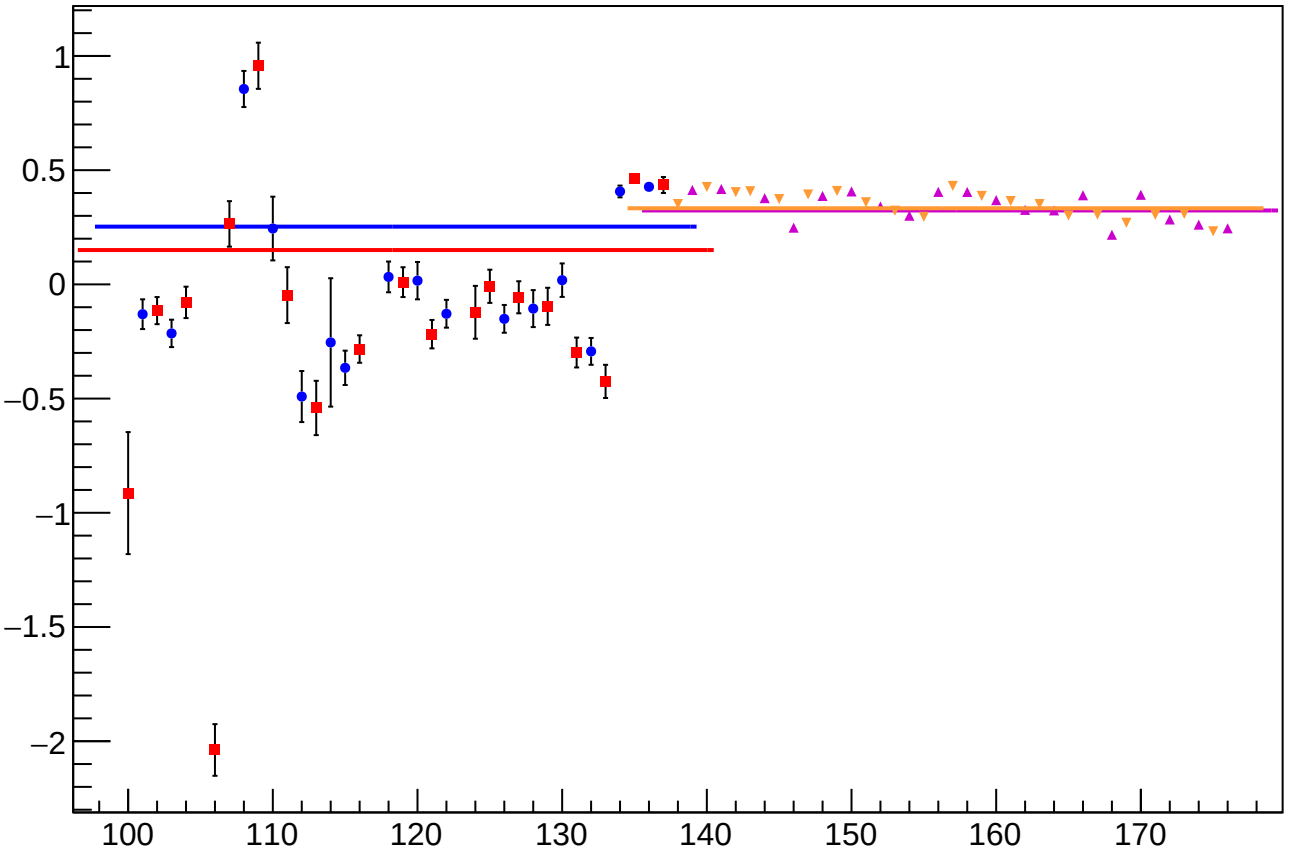
Left: 8.462+/-0.037 χ^2/NDF: 11303.4/38

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

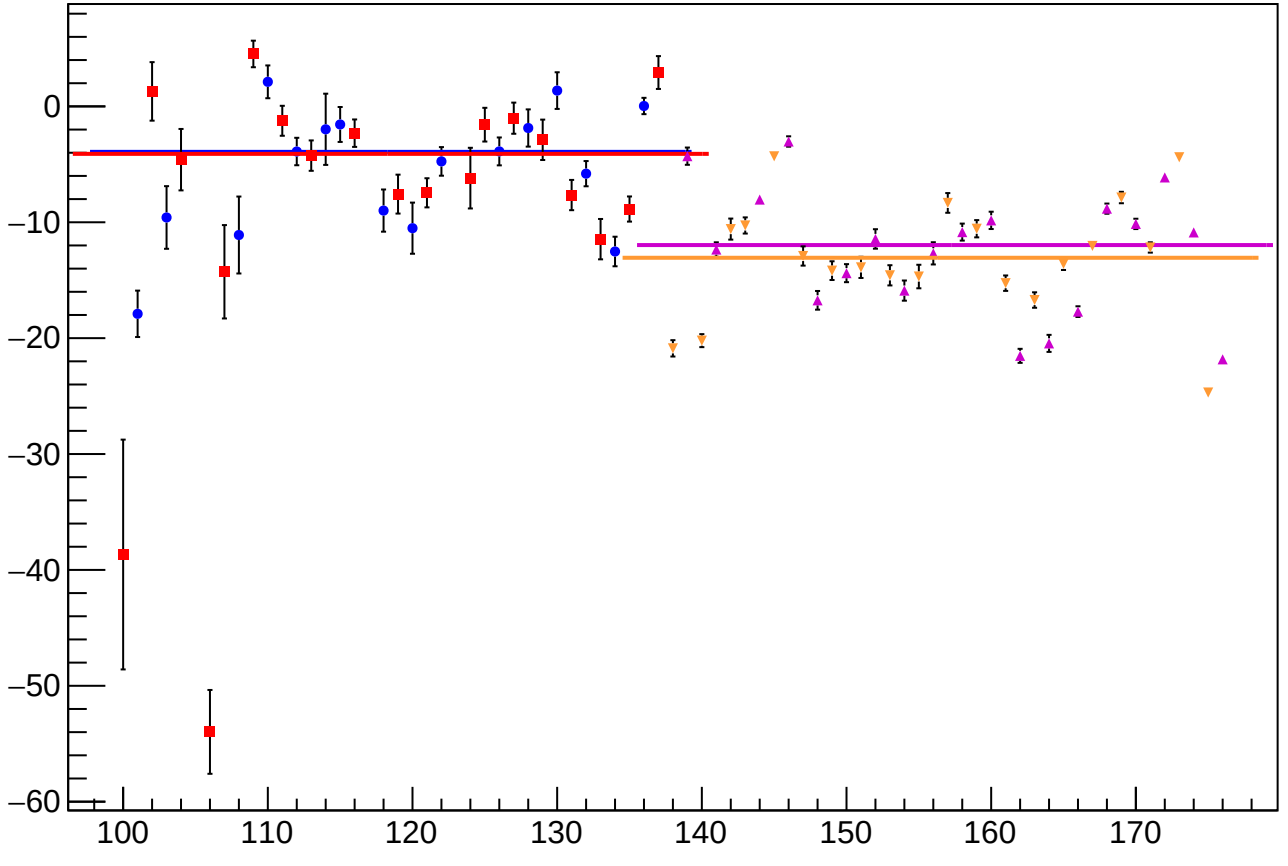
In: 8.109+/-0.051 χ^2/NDF:11979.1/34

Out: 7.469+/-0.052 χ^2/NDF:13345.8/38

All: 7.794+/-0.036 χ^2/NDF: 25403.0/73


reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: 0.253+/-0.011 χ²/NDF: 631.0/15
Left Out: 0.333+/-0.002 χ²/NDF:526.4/19
Right Out: 0.150+/-0.013 χ²/NDF: 1018.0/18
Left In: 0.324+/-0.002 χ²/NDF:861.1/18
Left: 0.328+/-0.002 χ²/NDF: 1395.9/38
Right: 0.209+/-0.009 χ²/NDF: 1682.8/34
In: 0.321+/-0.002 χ²/NDF:1528.6/34
Out: 0.328+/-0.002 χ²/NDF:1726.2/38
All: 0.324+/-0.002 χ²/NDF: 3259.0/73

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.063+/-0.127 χ^2/NDF:2584.7/19

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.967+/-0.124 χ^2/NDF:2094.5/18

Left: -12.501+/-0.089 χ^2/NDF: 4717.3/38

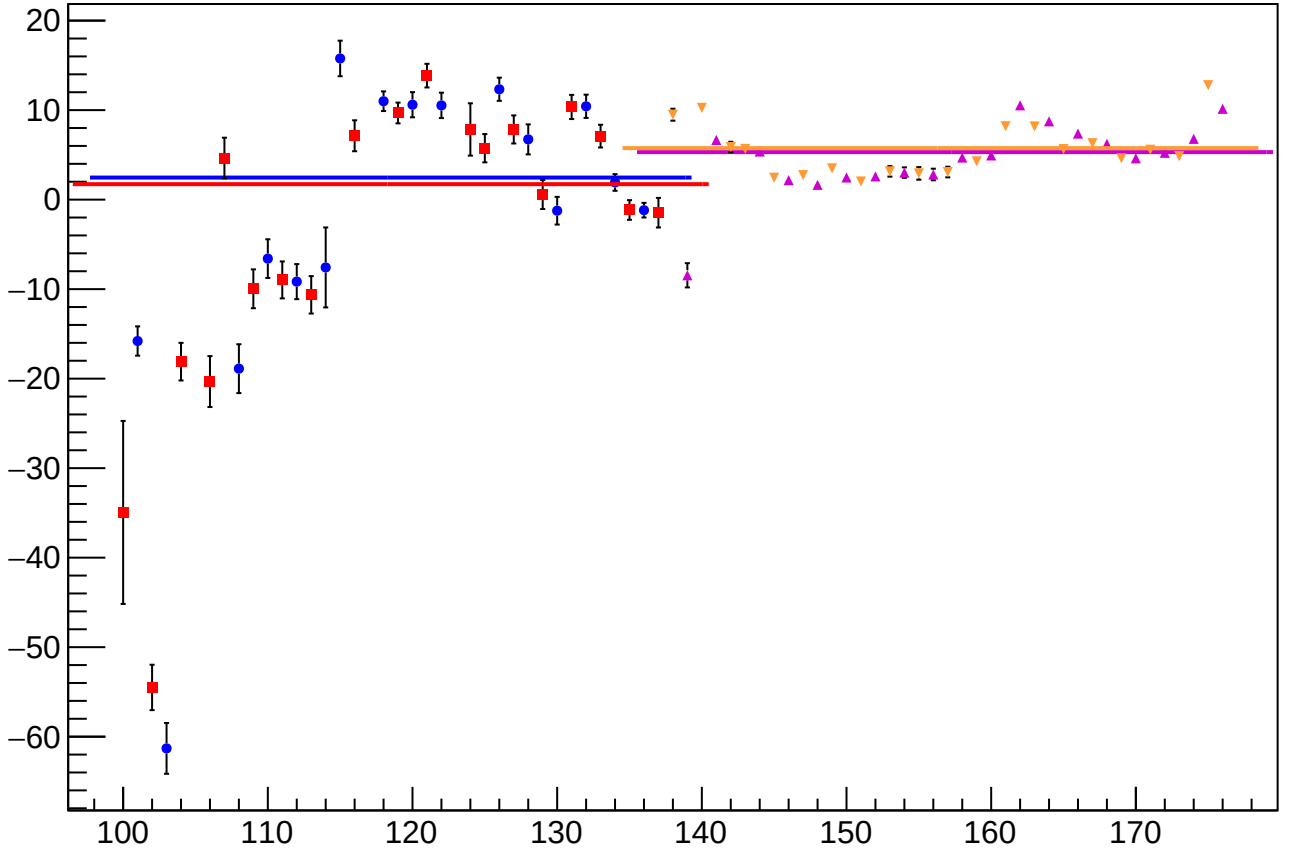
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -11.050+/-0.117 χ^2/NDF:2762.0/34

Out: -12.052+/-0.120 χ^2/NDF:3511.9/38

All: -11.539+/-0.084 χ^2/NDF: 6309.8/73

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: 5.755+/-0.094 χ^2/NDF:987.0/19

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.307+/-0.092 χ^2/NDF:857.5/18

Left: 5.525+/-0.066 χ^2/NDF: 1856.0/38

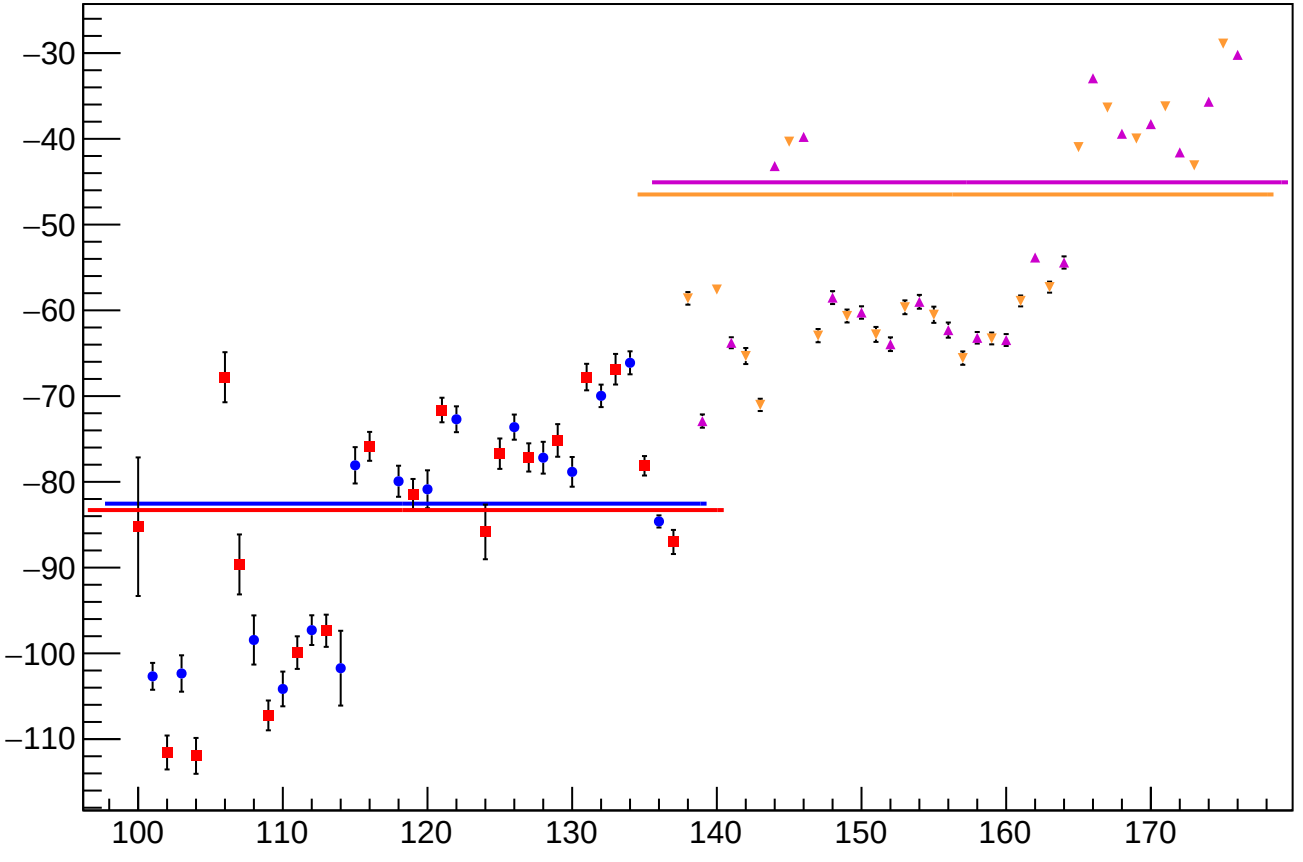
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 5.130+/-0.089 χ^2/NDF:1963.7/34

Out: 5.527+/-0.092 χ^2/NDF:2072.7/38

All: 5.323+/-0.064 χ^2/NDF: 4046.1/73

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -46.487+/-0.127 χ^2/NDF:9994.6/19

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -45.071+/-0.124 χ^2/NDF:9339.9/18

Left: -45.762+/-0.089 χ^2/NDF: 19398.3/38

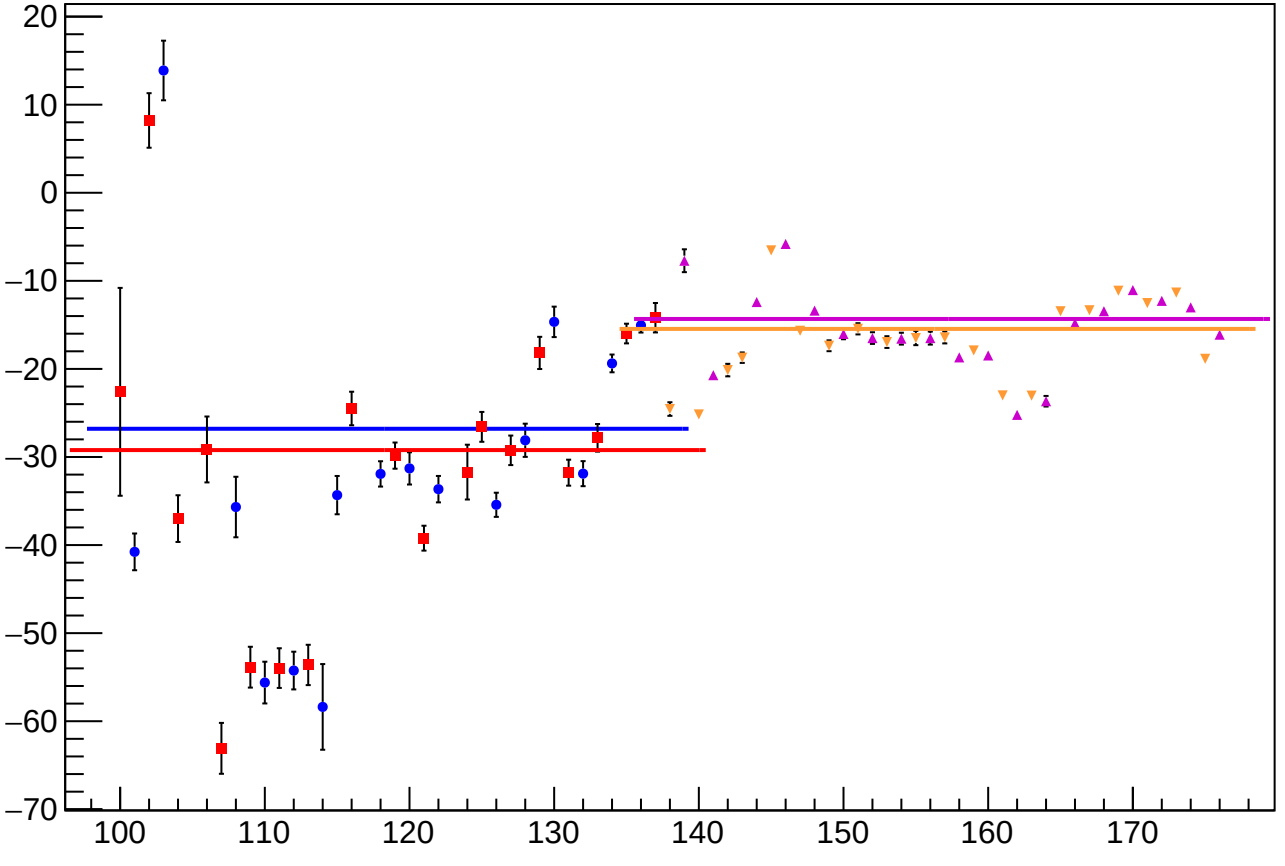
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -48.598+/-0.118 χ^2/NDF:18790.5/34

Out: -49.645+/-0.121 χ^2/NDF:18302.8/38

All: -49.106+/-0.085 χ^2/NDF: 37131.5/73

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.458+/-0.106 χ^2/NDF:2126.3/19

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.329+/-0.104 χ^2/NDF:1944.3/18

Left: -14.882+/-0.074 χ^2/NDF: 4128.2/38

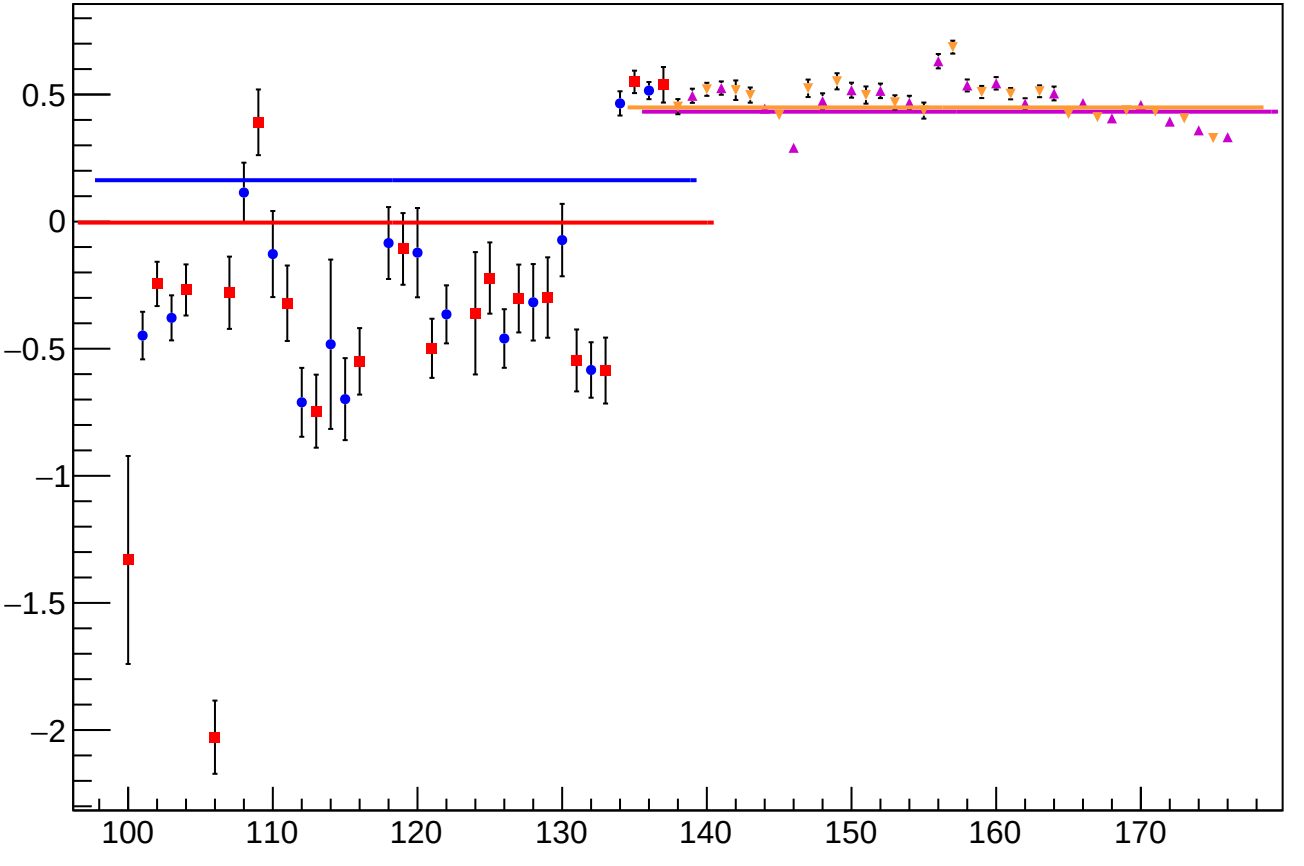
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.136+/-0.101 χ^2/NDF:3836.6/34

Out: -16.245+/-0.103 χ^2/NDF:4047.2/38

All: -15.678+/-0.072 χ^2/NDF: 7943.0/73

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: 0.449+/-0.005 χ^2/NDF:217.8/19

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.432+/-0.005 χ^2/NDF:283.2/18

Left: 0.440+/-0.003 χ^2/NDF: 507.4/38

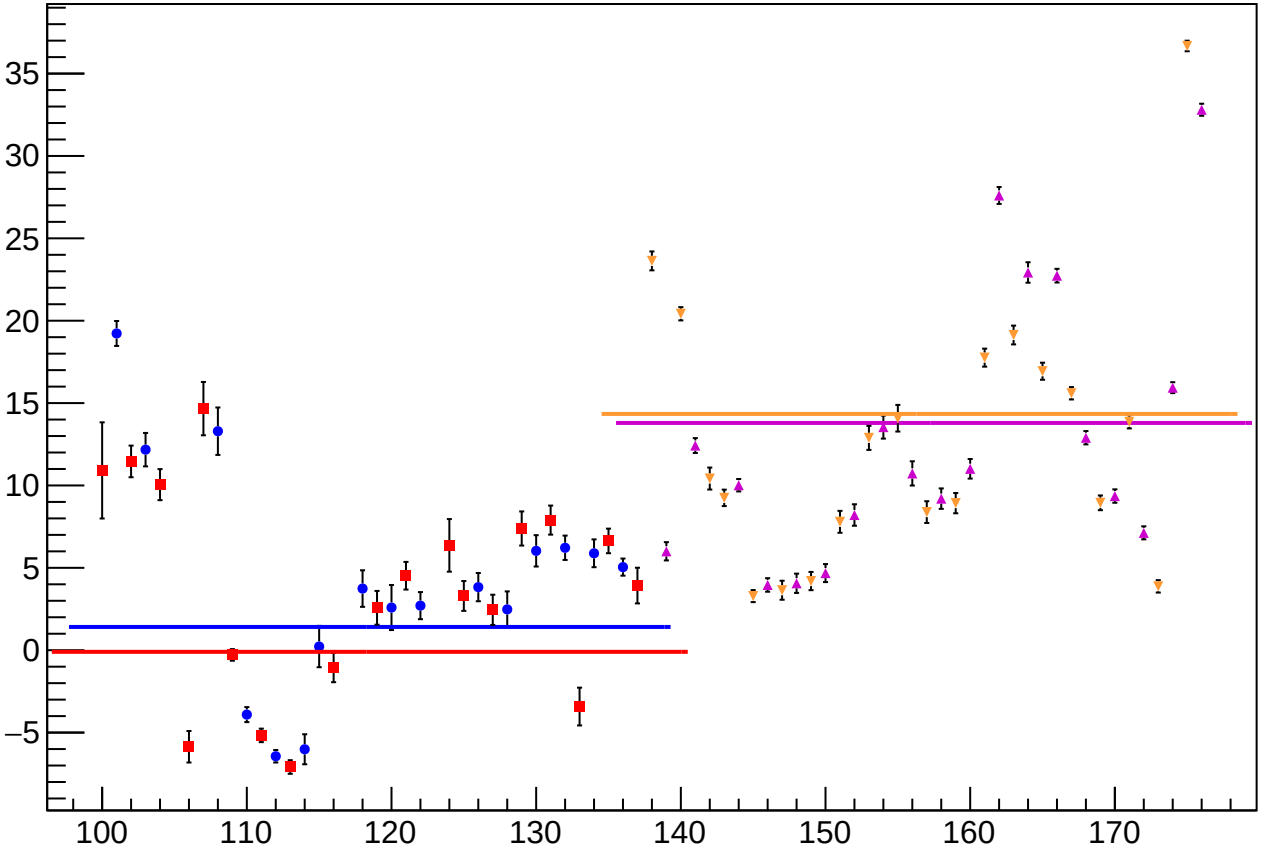
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.420+/-0.005 χ^2/NDF:857.4/34

Out: 0.432+/-0.005 χ^2/NDF:1122.9/38

All: 0.426+/-0.003 χ^2/NDF: 1983.6/73

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: 14.341+/-0.109 χ^2/NDF:8369.7/19

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 13.795+/-0.108 χ^2/NDF:6157.0/18

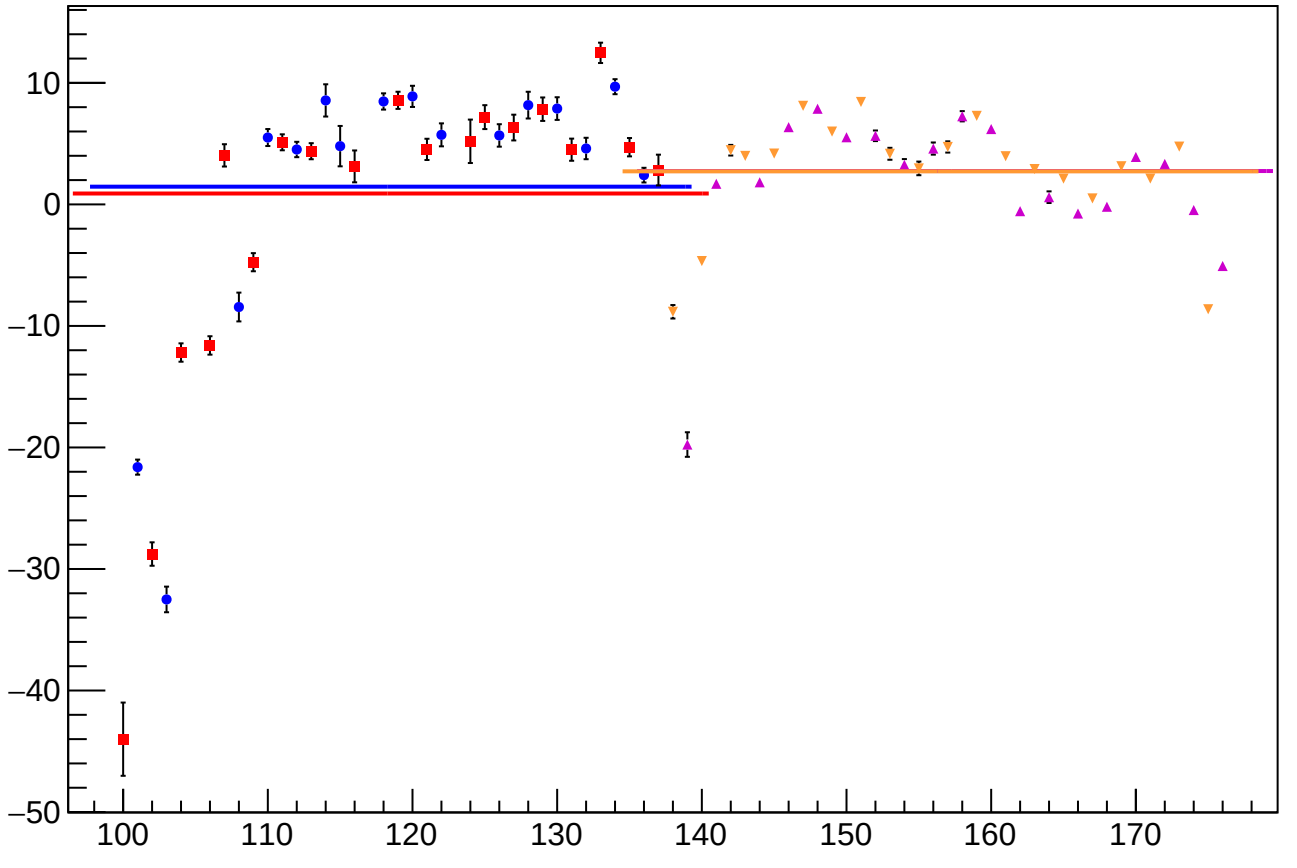
Left: 14.066+/-0.076 χ^2/NDF: 14539.5/38

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 10.612+/-0.093 χ^2/NDF:11077.3/34

Out: 10.069+/-0.091 χ^2/NDF:14756.2/38

All: 10.336+/-0.065 χ^2/NDF: 25851.0/73



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.721+/-0.079 χ^2/NDF:3399.9/19

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 2.746+/-0.079 χ^2/NDF:2380.3/18

Left: 2.733+/-0.056 χ^2/NDF: 5780.3/38

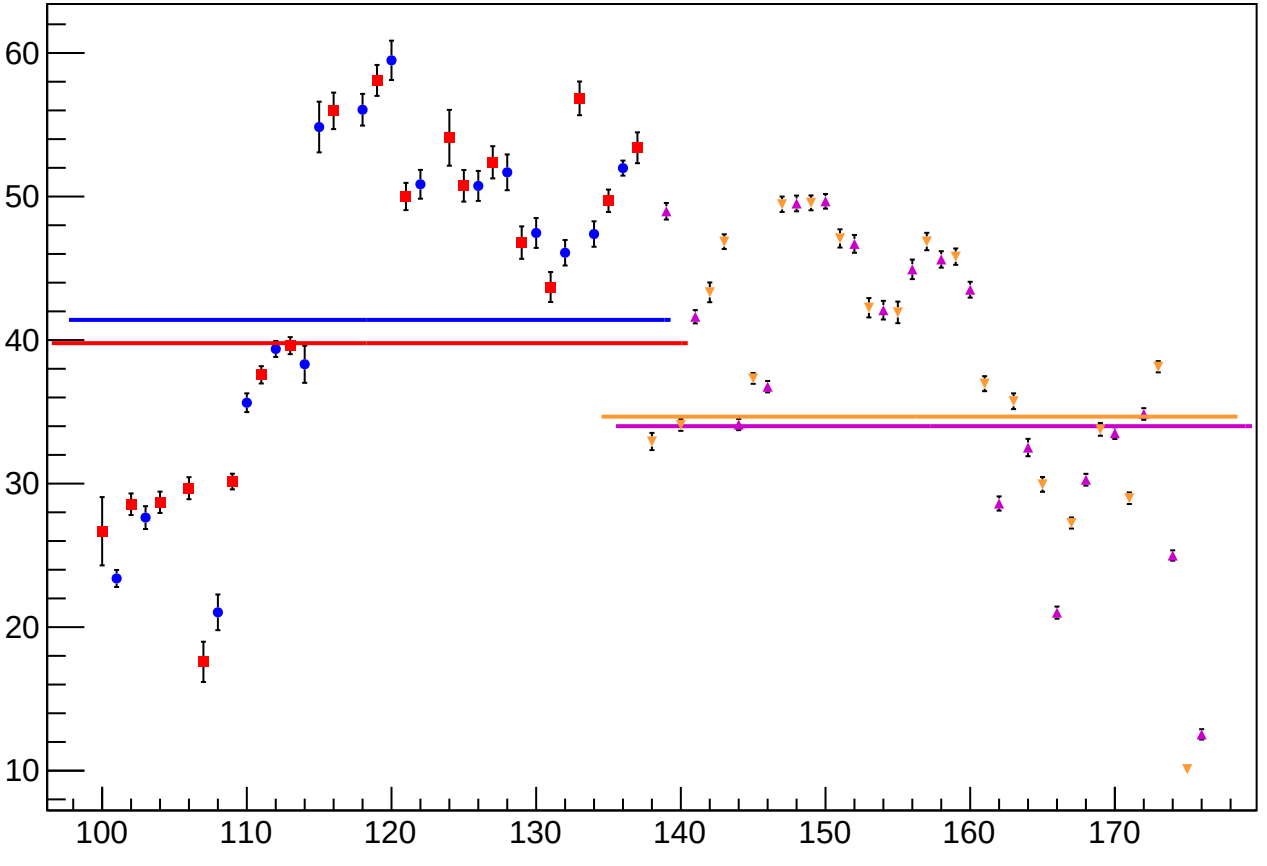
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.576+/-0.074 χ^2/NDF:5495.4/34

Out: 2.478+/-0.074 χ^2/NDF:5847.7/38

All: 2.527+/-0.052 χ^2/NDF: 11344.0/73

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: 34.666+/-0.108 χ^2/NDF:10345.7/19

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 34.001+/-0.107 χ^2/NDF:9599.5/18

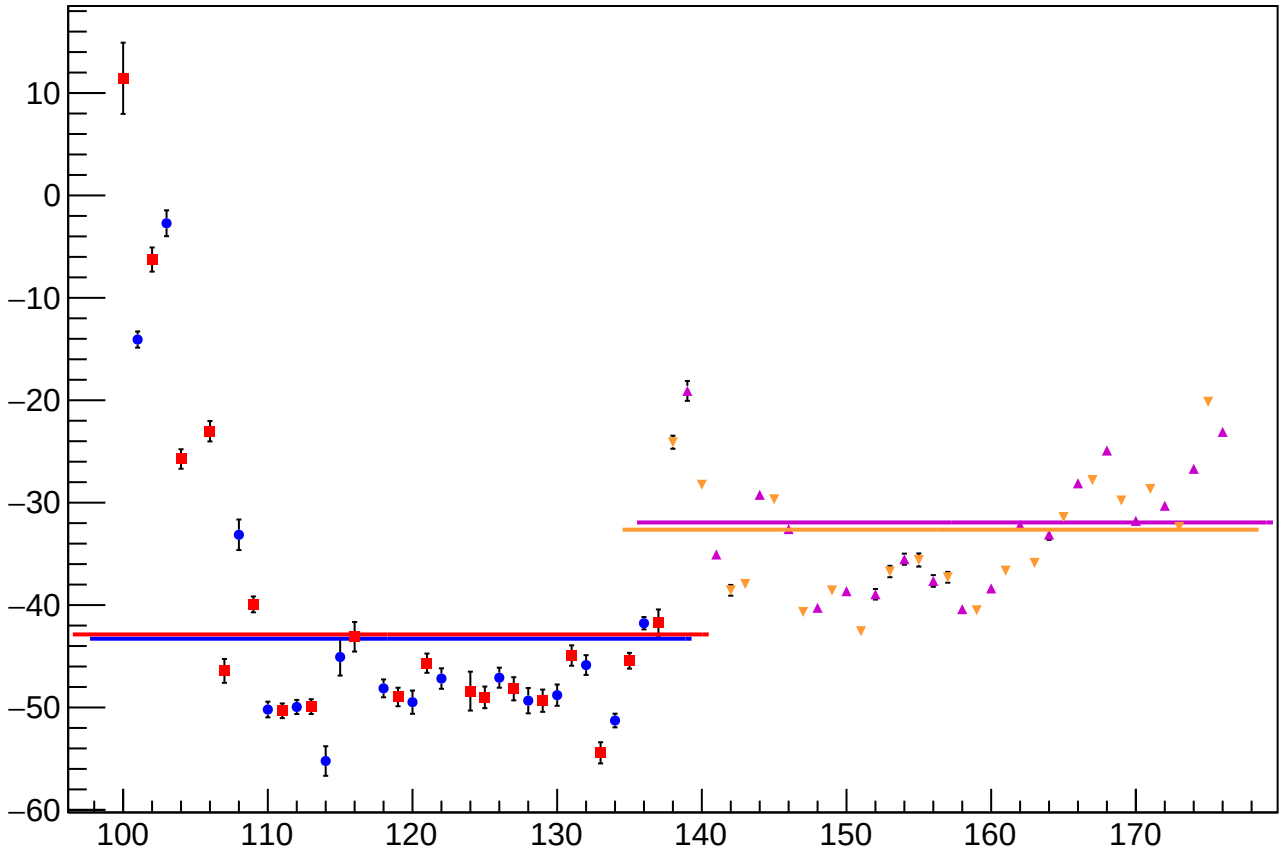
Left: 34.331+/-0.076 χ^2/NDF: 19964.3/38

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 35.523+/-0.095 χ^2/NDF:13327.6/34

Out: 35.795+/-0.095 χ^2/NDF:13495.7/38

All: 35.659+/-0.067 χ^2/NDF: 26827.4/73



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.638+/-0.090 χ^2/NDF:4421.4/19

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -31.933+/-0.090 χ^2/NDF:3376.6/18

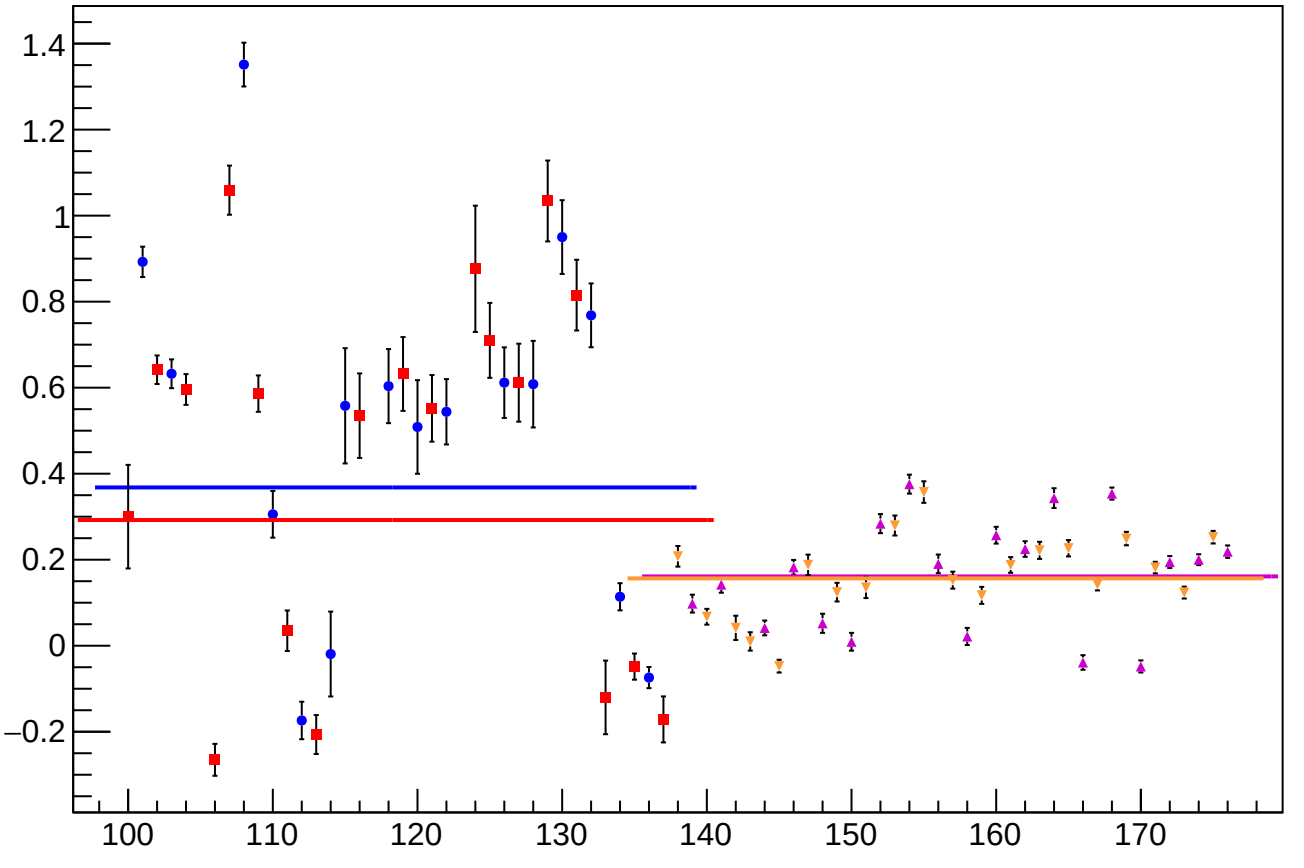
Left: -32.285+/-0.064 χ^2/NDF: 7828.6/38

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

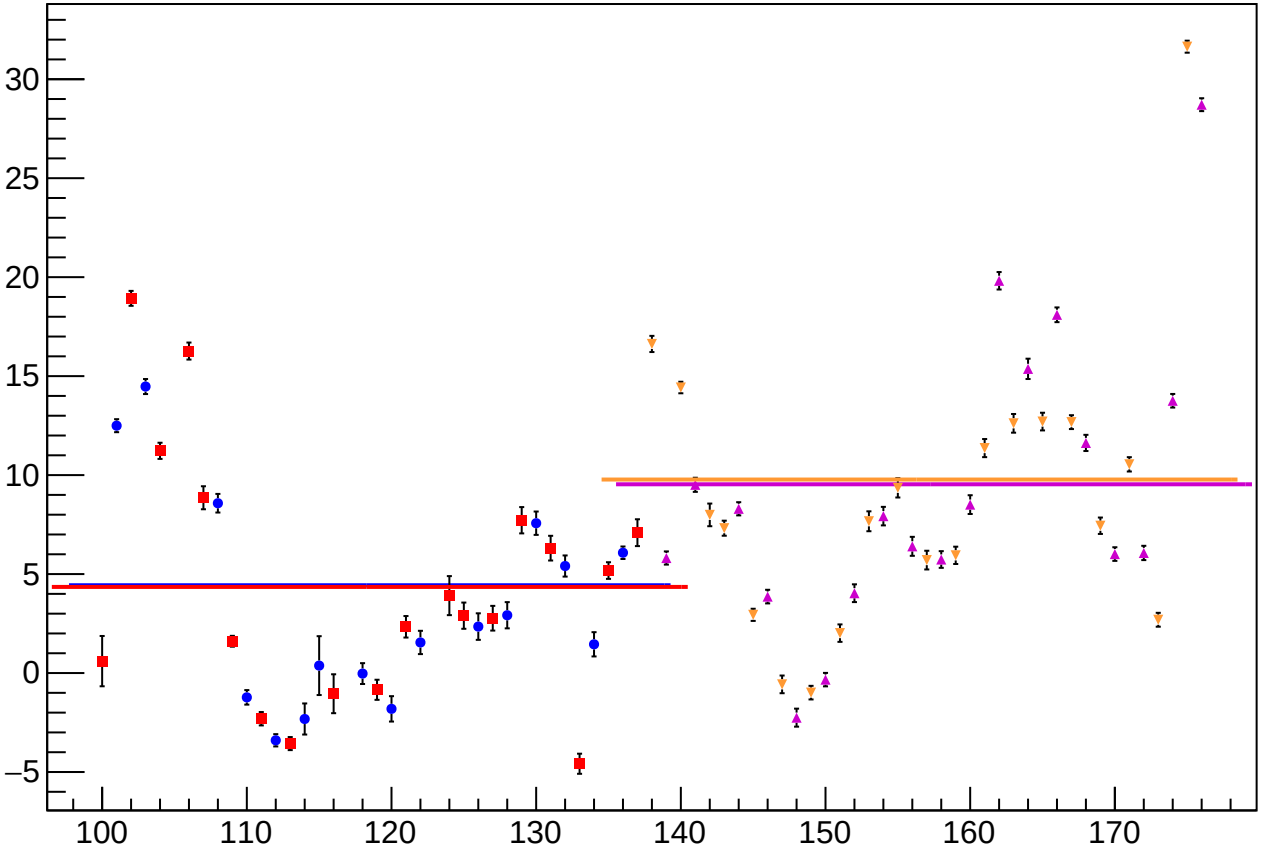
In: -33.449+/-0.084 χ^2/NDF:8485.0/34

Out: -34.009+/-0.084 χ^2/NDF:8603.0/38

All: -33.729+/-0.059 χ^2/NDF: 17110.3/73


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.157+/-0.004 χ²/NDF:494.9/19
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.161+/-0.004 χ²/NDF:991.9/18
Left: 0.159+/-0.003 χ²/NDF: 1487.5/38
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.181+/-0.004 χ²/NDF:2572.2/34
Out: 0.171+/-0.004 χ²/NDF:1806.9/38
All: 0.176+/-0.003 χ²/NDF: 4383.1/73

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: 9.776+/-0.088 χ^2/NDF:8861.8/19

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 9.536+/-0.088 χ^2/NDF:7248.9/18

Left: 9.657+/-0.062 χ^2/NDF: 16114.4/38

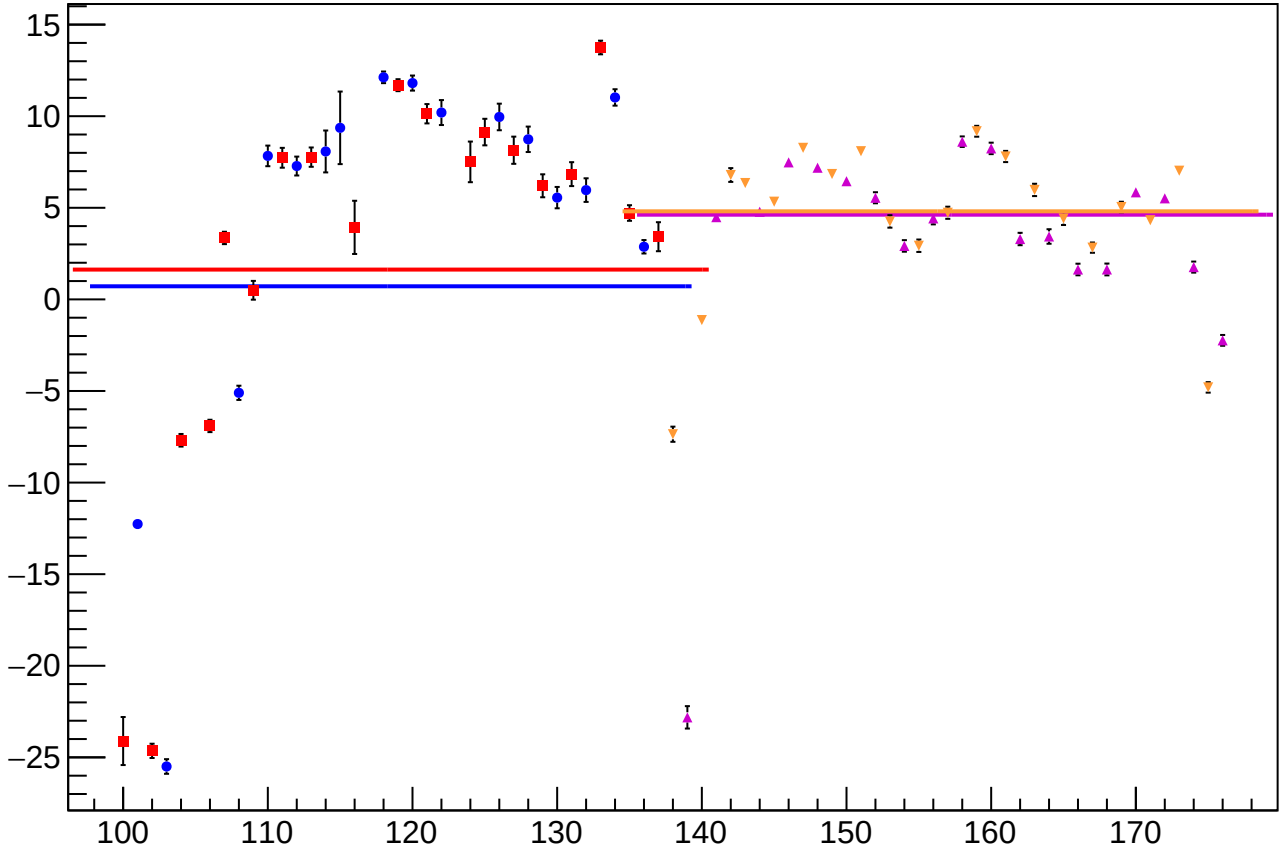
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 7.680+/-0.071 χ^2/NDF:11080.8/34

Out: 7.643+/-0.068 χ^2/NDF:14567.5/38

All: 7.661+/-0.049 χ^2/NDF: 25648.5/73

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: 4.807+/-0.063 χ^2/NDF:3660.3/19

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.623+/-0.065 χ^2/NDF:3627.1/18

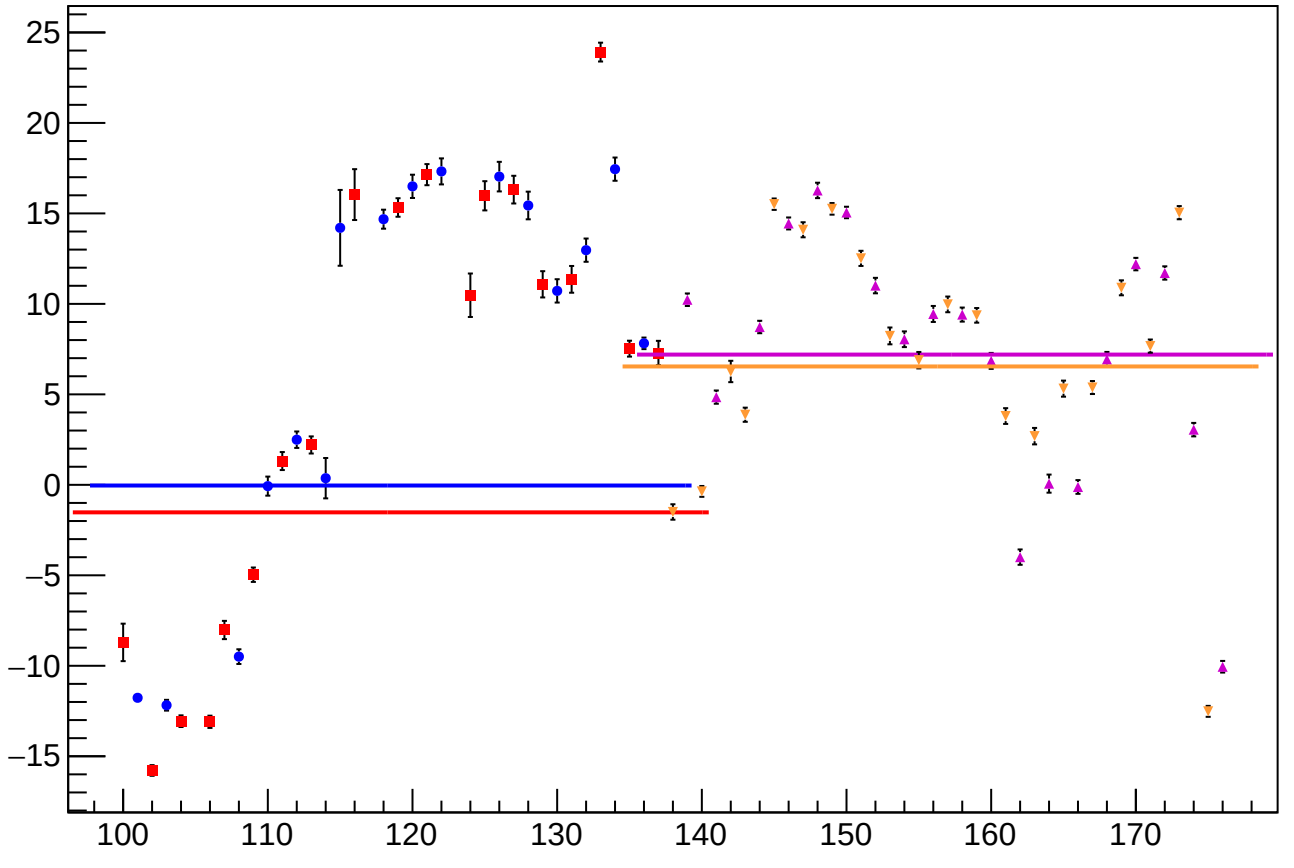
Left: 4.717+/-0.045 χ^2/NDF: 7291.5/38

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.685+/-0.057 χ^2/NDF:14944.8/34

Out: 4.023+/-0.055 χ^2/NDF:13534.0/38

All: 3.859+/-0.040 χ^2/NDF: 28497.1/73



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.542+/-0.087 χ^2/NDF:7878.9/19

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 7.198+/-0.087 χ^2/NDF:6450.8/18

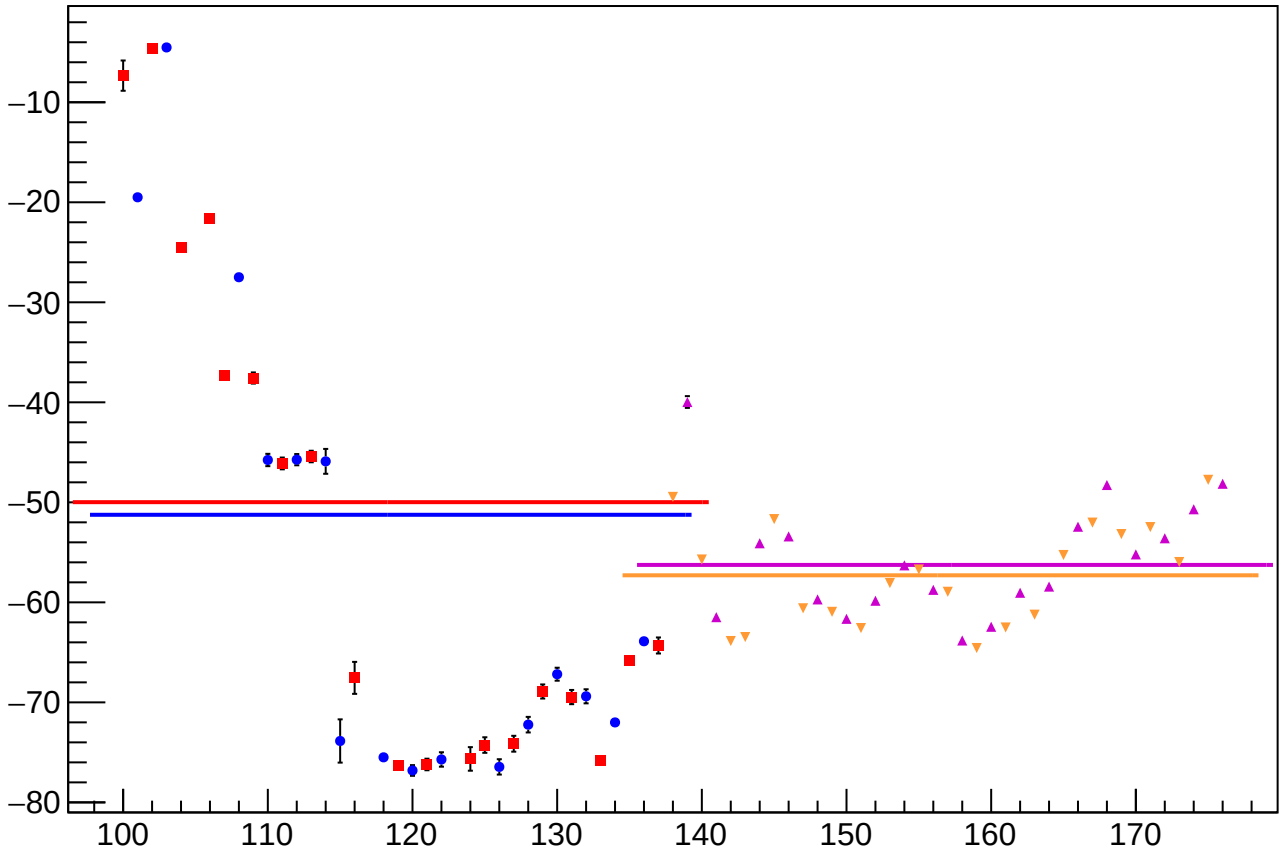
Left: 6.868+/-0.062 χ^2/NDF: 14358.2/38

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.679+/-0.070 χ^2/NDF:18120.8/34

Out: 3.620+/-0.069 χ^2/NDF:23139.0/38

All: 4.141+/-0.049 χ^2/NDF: 41374.6/73



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.296+/-0.073 χ^2/NDF:4596.4/19

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.258+/-0.074 χ^2/NDF:4610.1/18

Left: -56.787+/-0.052 χ^2/NDF: 9306.5/38

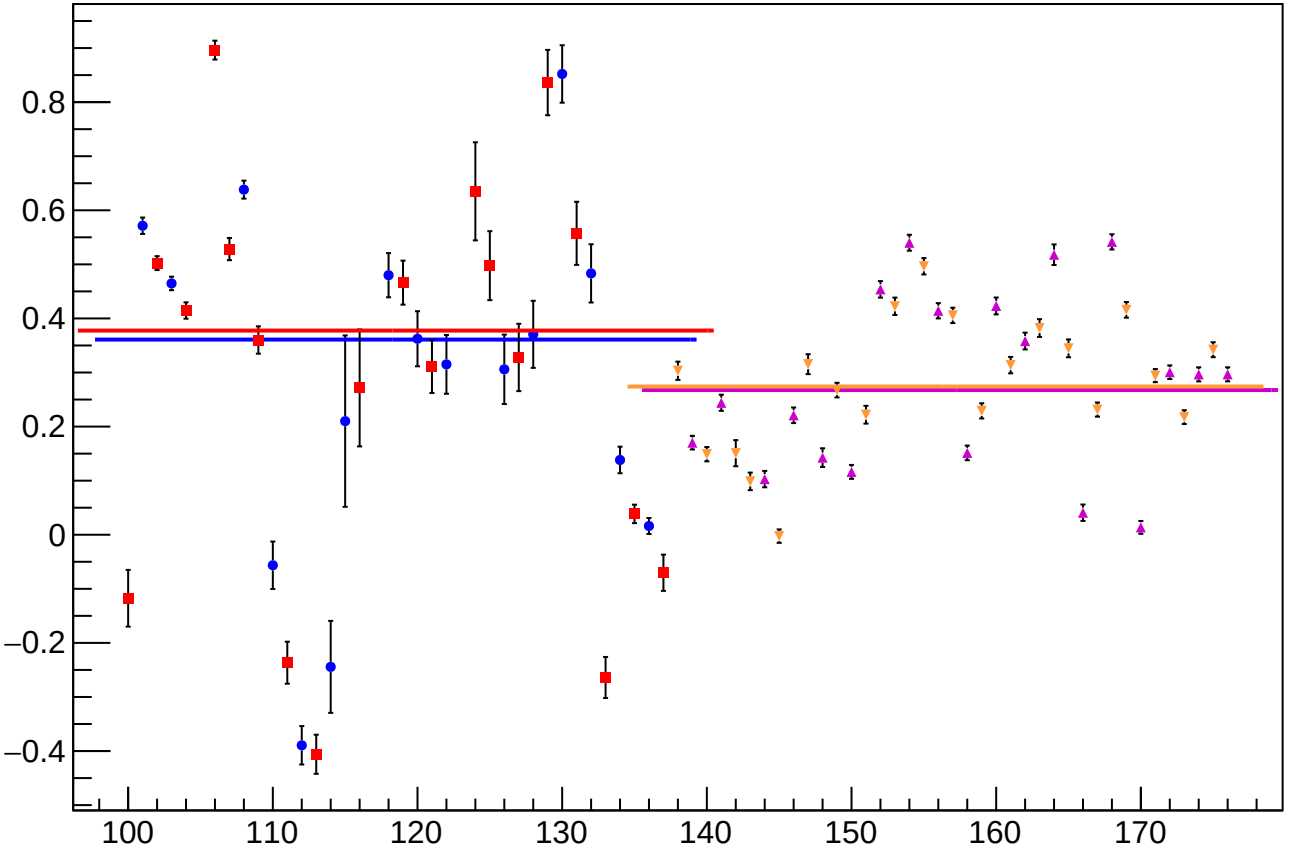
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.108+/-0.065 χ^2/NDF:39425.5/34

Out: -55.567+/-0.064 χ^2/NDF:40880.4/38

All: -55.343+/-0.045 χ^2/NDF: 80331.5/73

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.274+/-0.003 χ^2/NDF:1362.8/19

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.268+/-0.003 χ^2/NDF:2435.5/18

Left: 0.271+/-0.002 χ^2/NDF: 3800.2/38

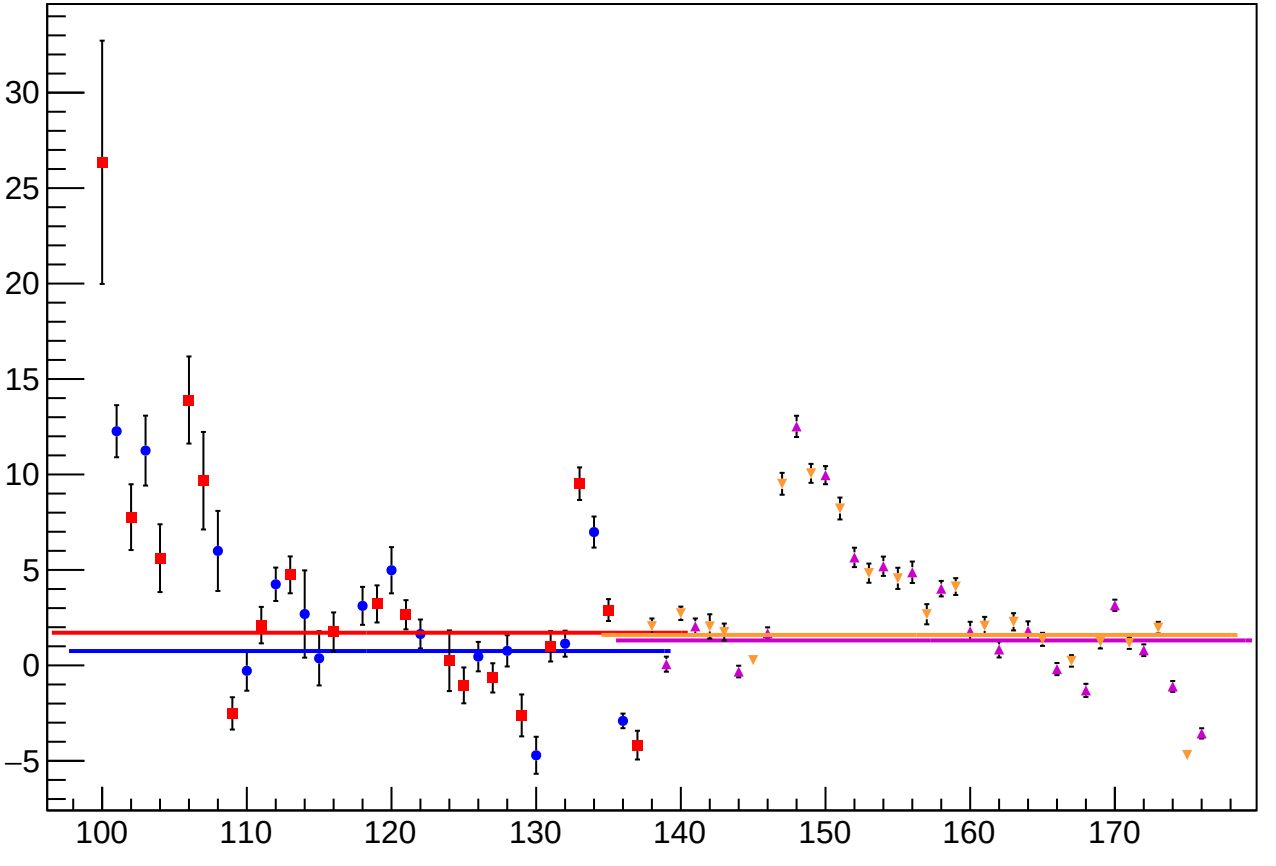
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.287+/-0.003 χ^2/NDF:4465.9/34

Out: 0.297+/-0.003 χ^2/NDF:4375.3/38

All: 0.292+/-0.002 χ^2/NDF: 8847.7/73

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 1.595+/-0.086 χ^2/NDF:1408.5/19

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.307+/-0.085 χ^2/NDF:1525.4/18

Left: 1.450+/-0.060 χ^2/NDF: 2939.5/38

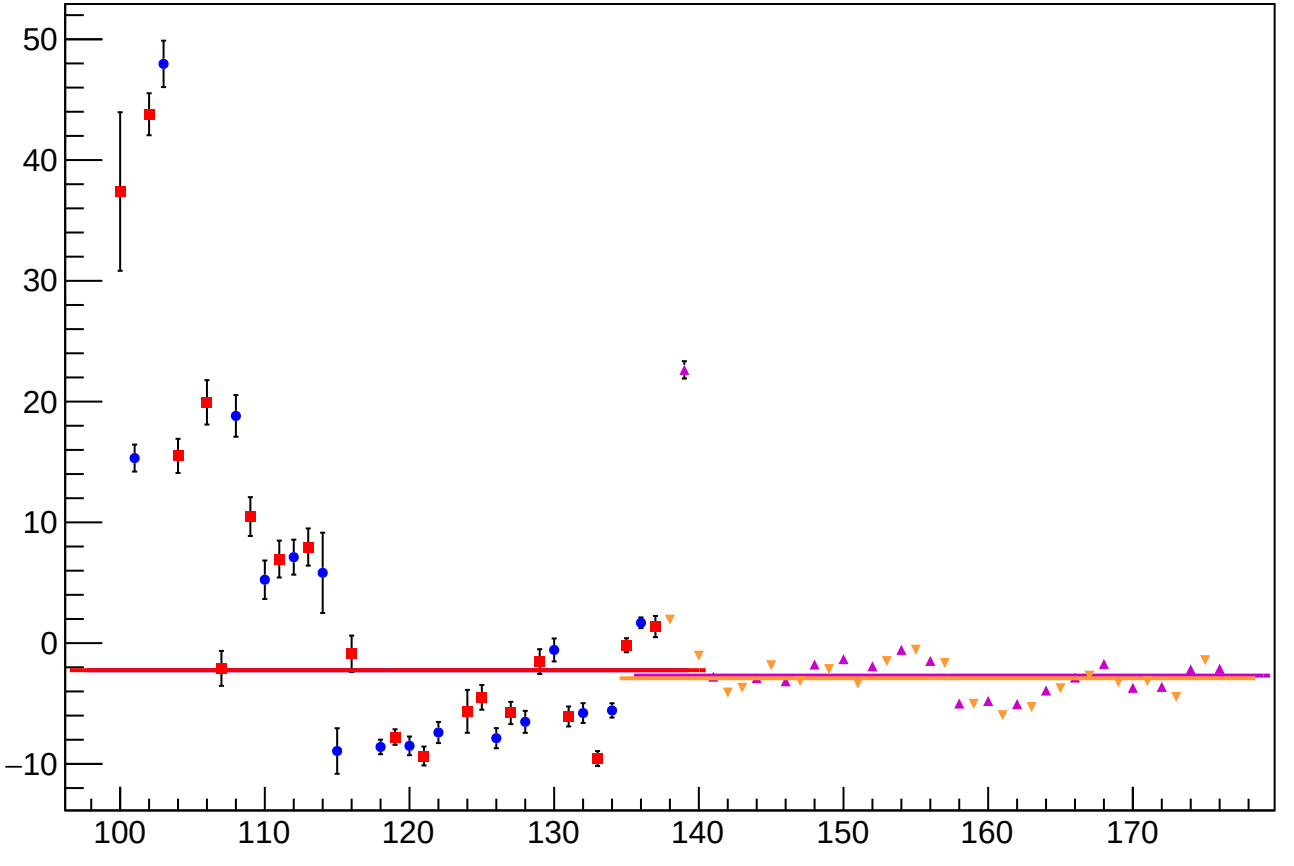
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.230+/-0.079 χ^2/NDF:1861.4/34

Out: 1.610+/-0.080 χ^2/NDF:1702.5/38

All: 1.417+/-0.056 χ^2/NDF: 3575.3/73

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: -2.908+/-0.064 χ^2/NDF:604.8/19

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.688+/-0.063 χ^2/NDF:1572.3/18

Left: -2.798+/-0.045 χ^2/NDF: 2183.1/38

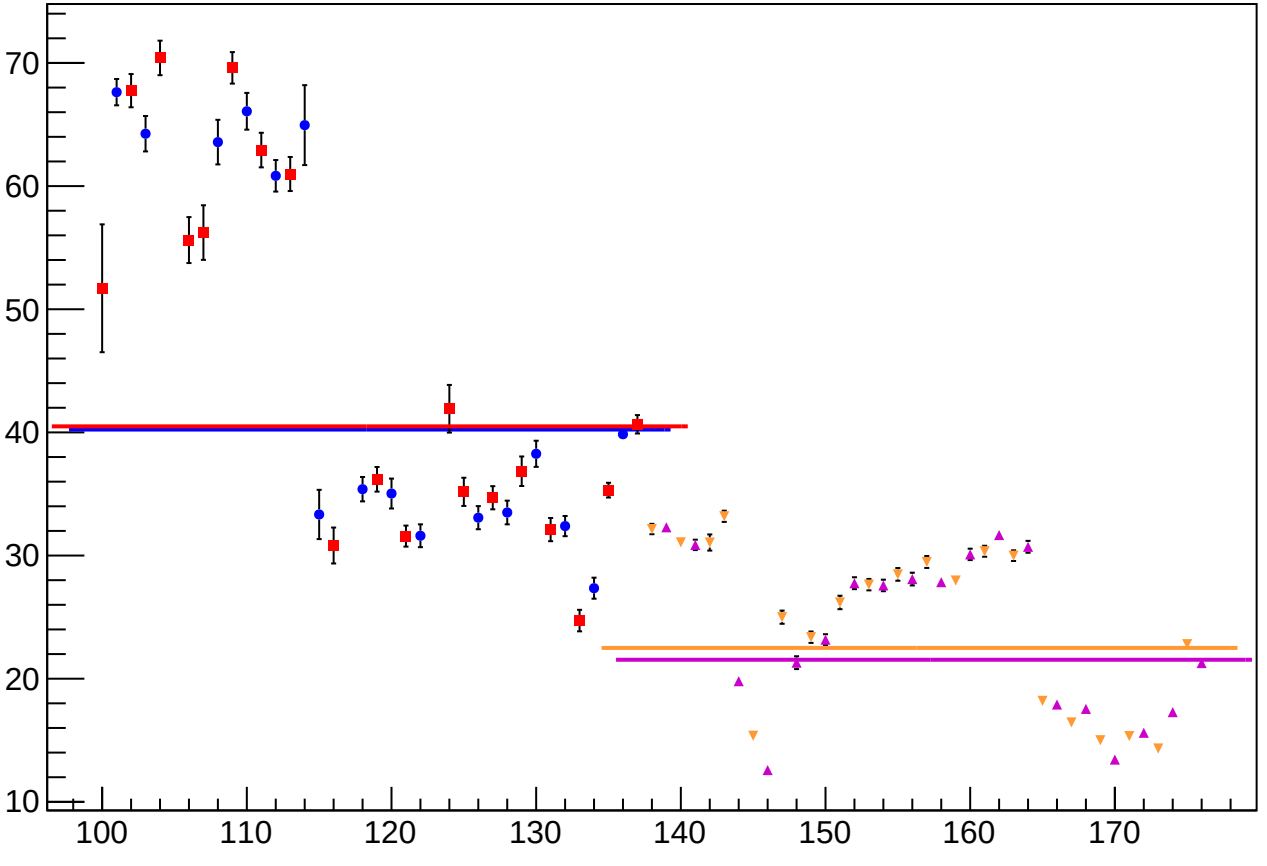
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.653+/-0.061 χ^2/NDF:3148.7/34

Out: -2.860+/-0.061 χ^2/NDF:2168.3/38

All: -2.756+/-0.043 χ^2/NDF: 5322.8/73

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.501+/-0.085 χ^2/NDF:5990.4/19

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.539+/-0.084 χ^2/NDF:5775.0/18

Left: 22.014+/-0.060 χ^2/NDF: 11829.6/38

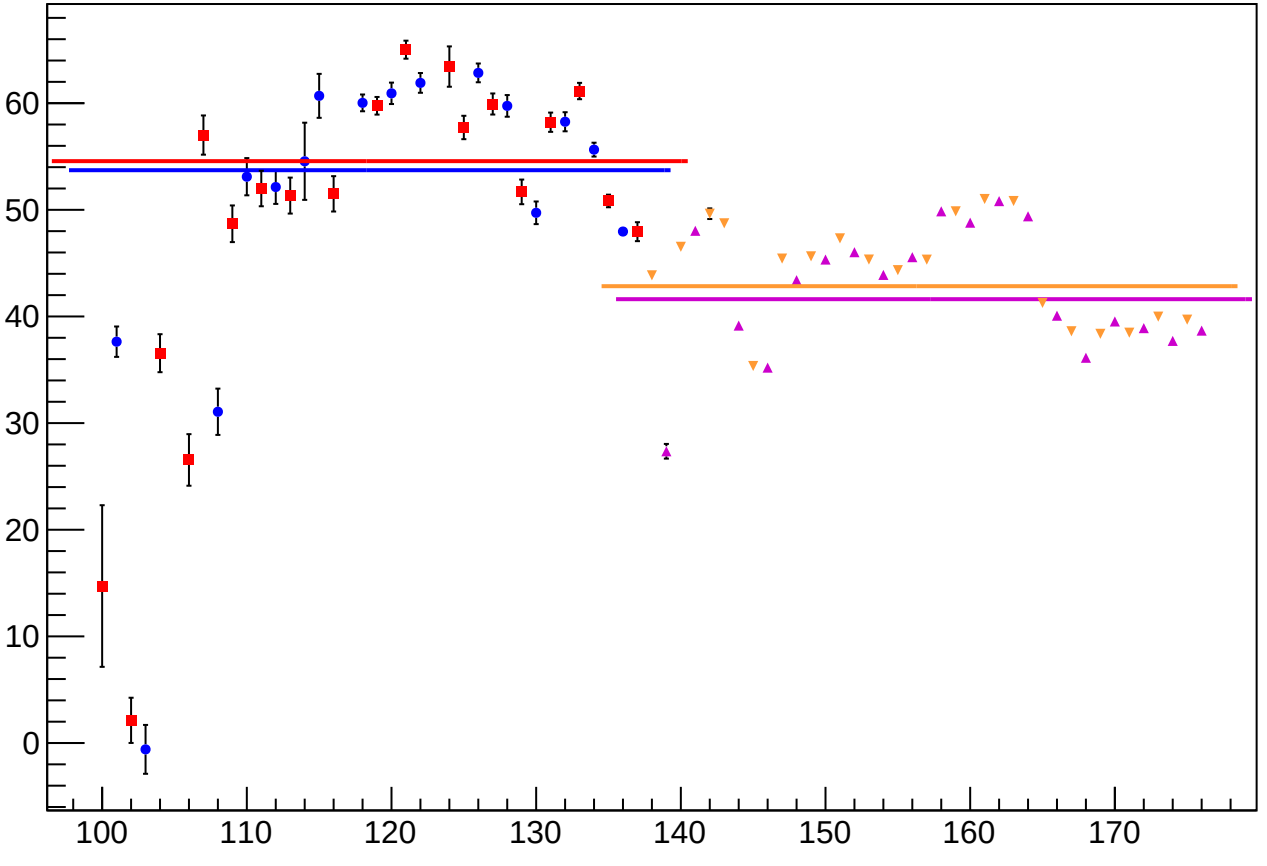
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.730+/-0.079 χ^2/NDF:13825.2/34

Out: 24.373+/-0.081 χ^2/NDF:13311.4/38

All: 24.045+/-0.057 χ^2/NDF: 27168.9/73

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.839+/-0.072 χ^2/NDF:4584.7/19

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.621+/-0.071 χ^2/NDF:5139.5/18

Left: 42.227+/-0.051 χ^2/NDF: 9869.1/38

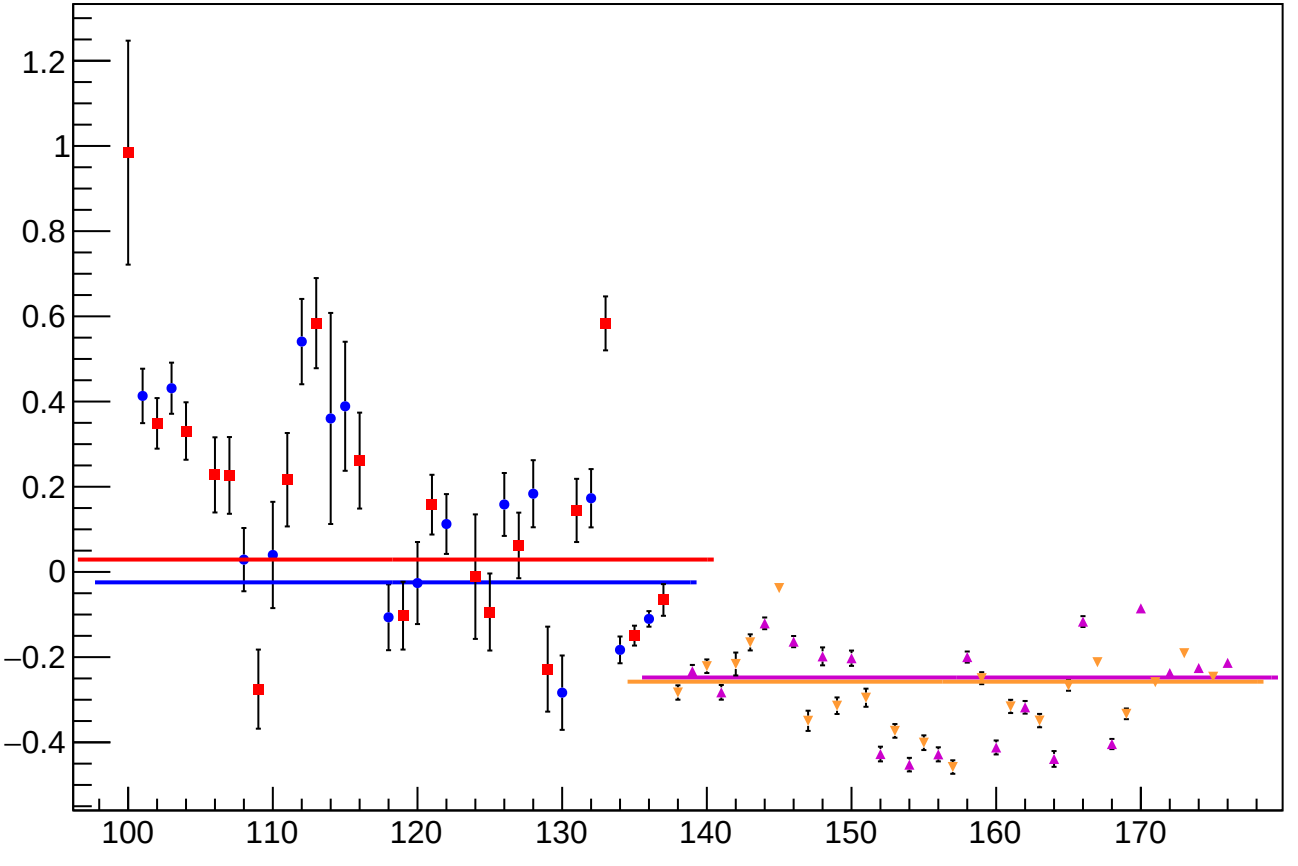
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.612+/-0.068 χ^2/NDF:8853.0/34

Out: 43.692+/-0.069 χ^2/NDF:7870.8/38

All: 43.147+/-0.049 χ^2/NDF: 16847.2/73

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.258+/-0.003 χ^2/NDF:894.2/19

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.248+/-0.003 χ^2/NDF:1328.4/18

Left: -0.253+/-0.002 χ^2/NDF: 2227.4/38

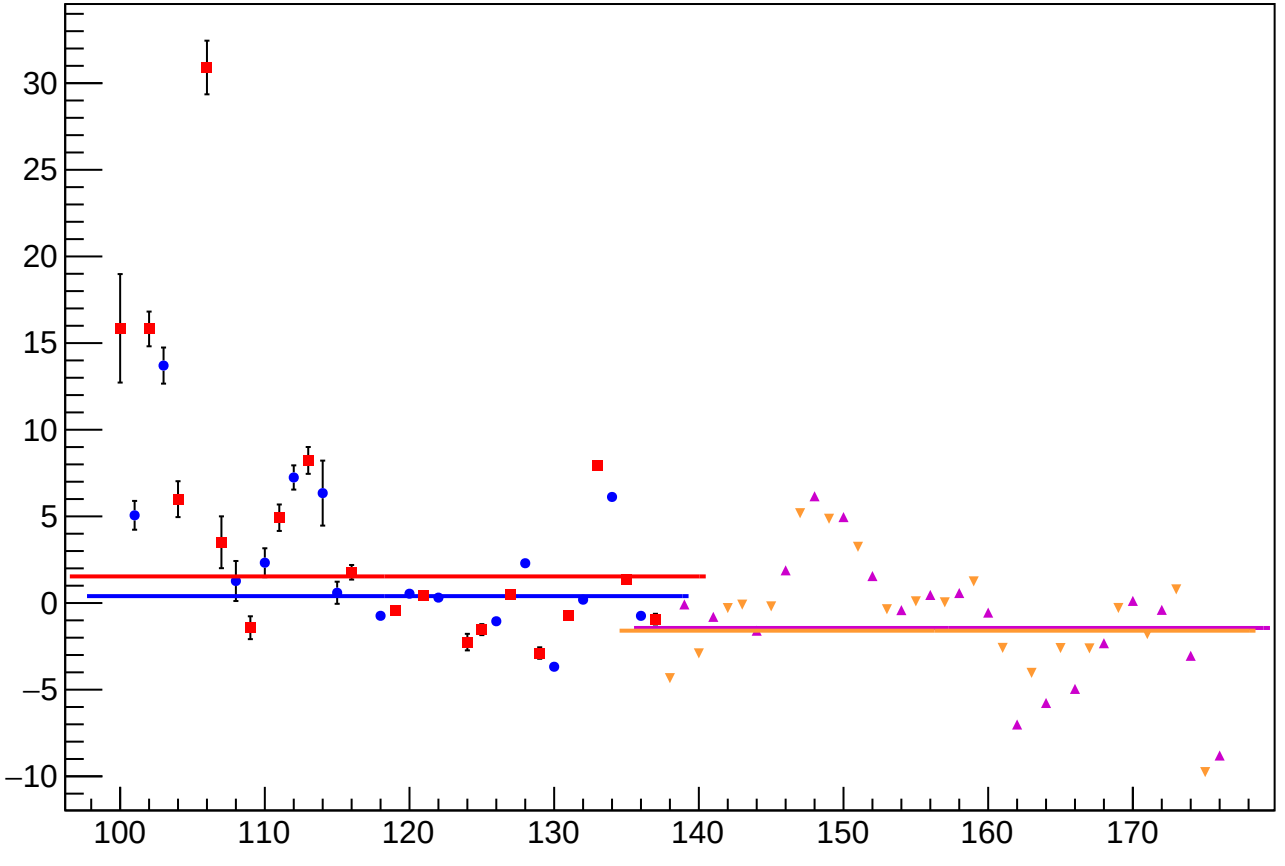
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.235+/-0.003 χ^2/NDF:1845.3/34

Out: -0.244+/-0.003 χ^2/NDF:1555.8/38

All: -0.239+/-0.002 χ^2/NDF: 3404.9/73

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: -1.596+/-0.033 χ^2/NDF:12567.8/19

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.440+/-0.032 χ^2/NDF:12035.4/18

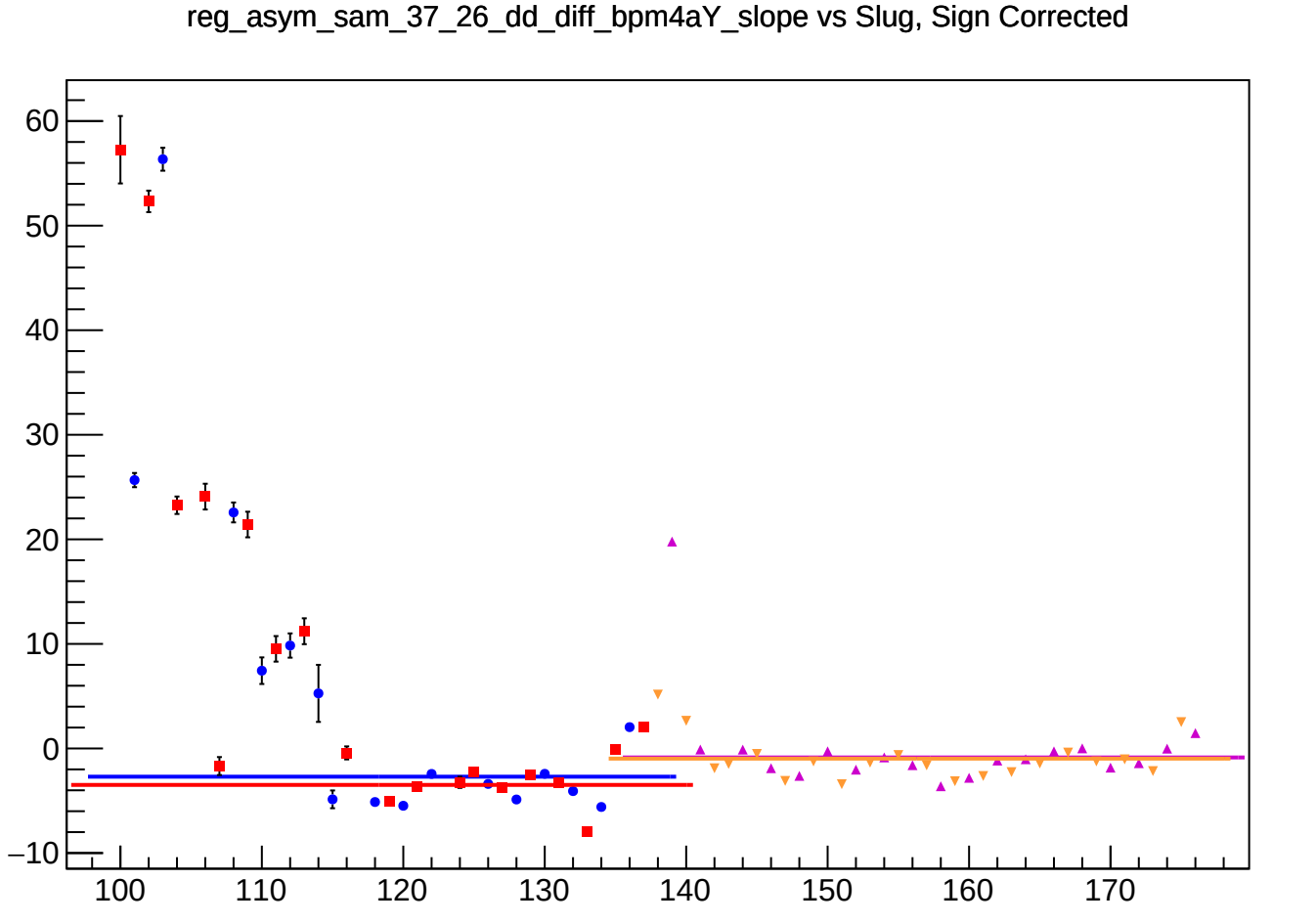
Left: -1.517+/-0.023 χ^2/NDF: 24614.7/38

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

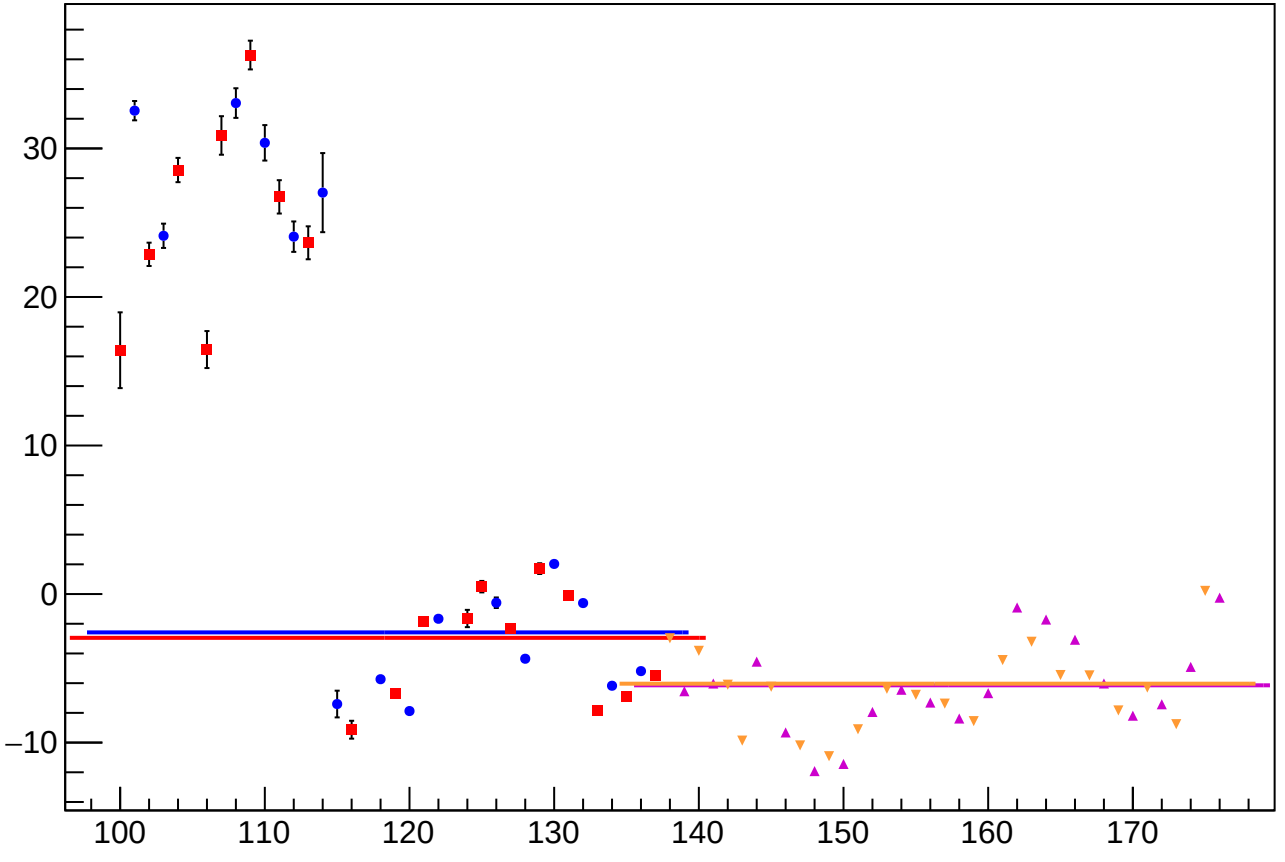
In: -1.163+/-0.030 χ^2/NDF:13615.8/34

Out: -1.127+/-0.030 χ^2/NDF:16343.3/38

All: -1.145+/-0.021 χ^2/NDF: 29959.8/73


reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: -2.699+/-0.071 χ²/NDF: 7103.8/15
Left Out: -0.970+/-0.024 χ²/NDF:5922.0/19
Right Out: -3.486+/-0.071 χ²/NDF: 7159.9/18
Left In: -0.860+/-0.024 χ²/NDF:9038.0/18
Left: -0.915+/-0.017 χ²/NDF: 14970.2/38
Right: -3.091+/-0.050 χ²/NDF: 14325.4/34
In: -1.053+/-0.023 χ²/NDF:16746.8/34
Out: -1.234+/-0.023 χ²/NDF:14210.1/38
All: -1.143+/-0.016 χ²/NDF: 30988.2/73

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.035+/-0.033 χ^2/NDF:8548.1/19

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.145+/-0.032 χ^2/NDF:9253.8/18

Left: -6.091+/-0.023 χ^2/NDF: 17807.6/38

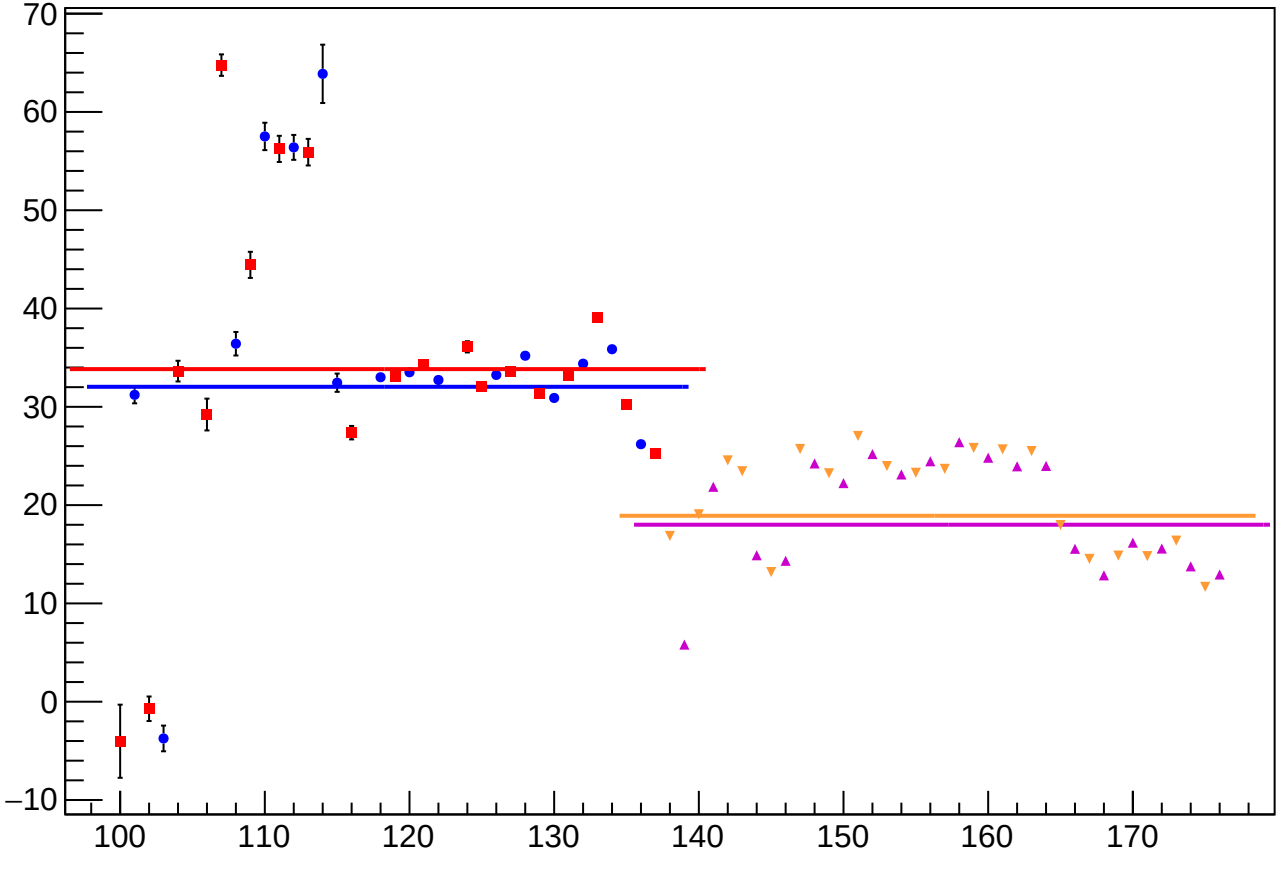
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.678+/-0.030 χ^2/NDF:19011.6/34

Out: -5.639+/-0.030 χ^2/NDF:17895.7/38

All: -5.659+/-0.021 χ^2/NDF: 36908.1/73

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: 18.918+/-0.028 χ^2/NDF:34738.6/19

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.006+/-0.027 χ^2/NDF:31241.3/18

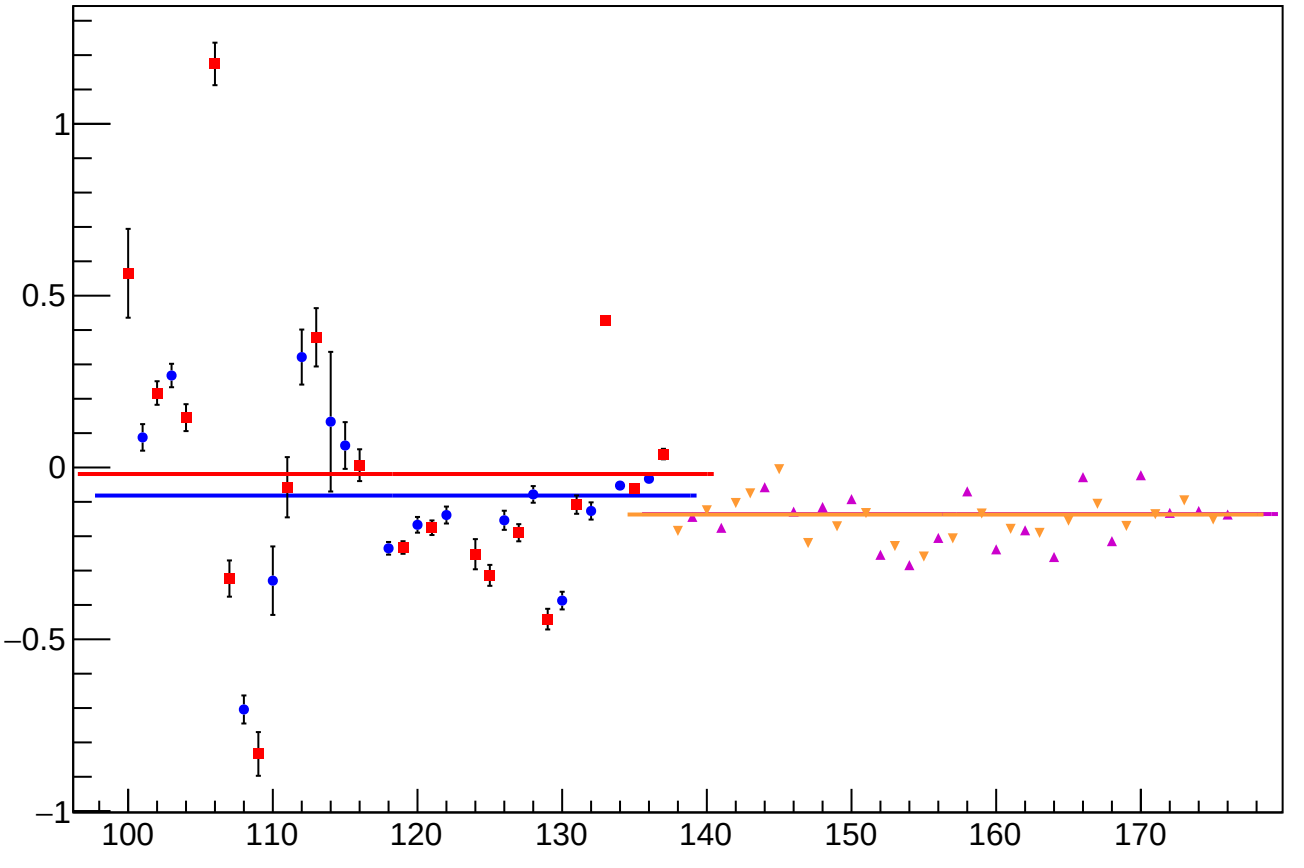
Left: 18.460+/-0.019 χ^2/NDF: 66530.2/38

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.442+/-0.026 χ^2/NDF:61245.9/34

Out: 20.442+/-0.026 χ^2/NDF:68976.8/38

All: 19.940+/-0.018 χ^2/NDF: 130959.2/73



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.137+/-0.001 χ^2/NDF:2369.2/19

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.135+/-0.001 χ^2/NDF:3563.9/18

Left: -0.136+/-0.001 χ^2/NDF: 5933.7/38

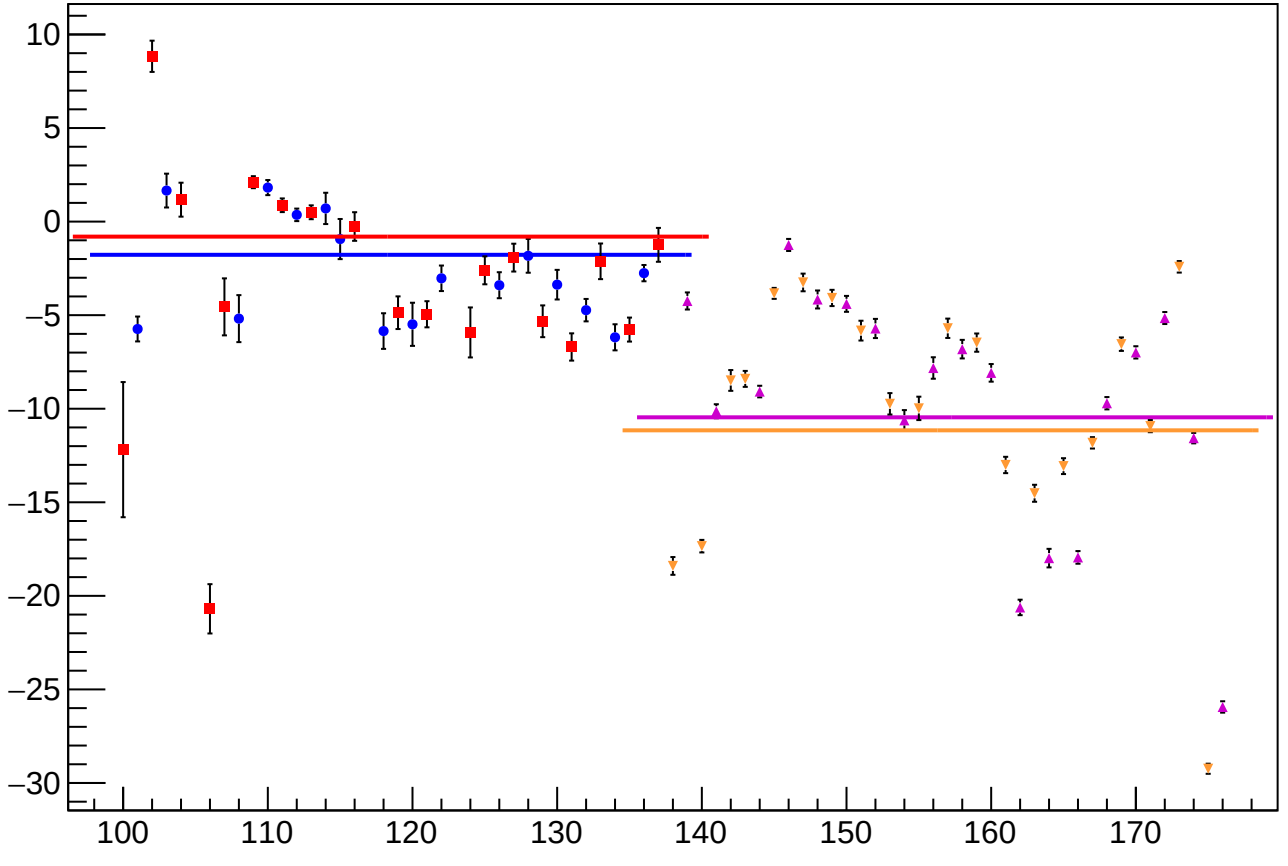
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4370.0/34

Out: -0.130+/-0.001 χ^2/NDF:5129.0/38

All: -0.131+/-0.001 χ^2/NDF: 9500.2/73

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.155+/-0.088 χ^2/NDF:7658.0/19

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -10.459+/-0.087 χ^2/NDF:5905.1/18

Left: -10.804+/-0.062 χ^2/NDF: 13594.5/38

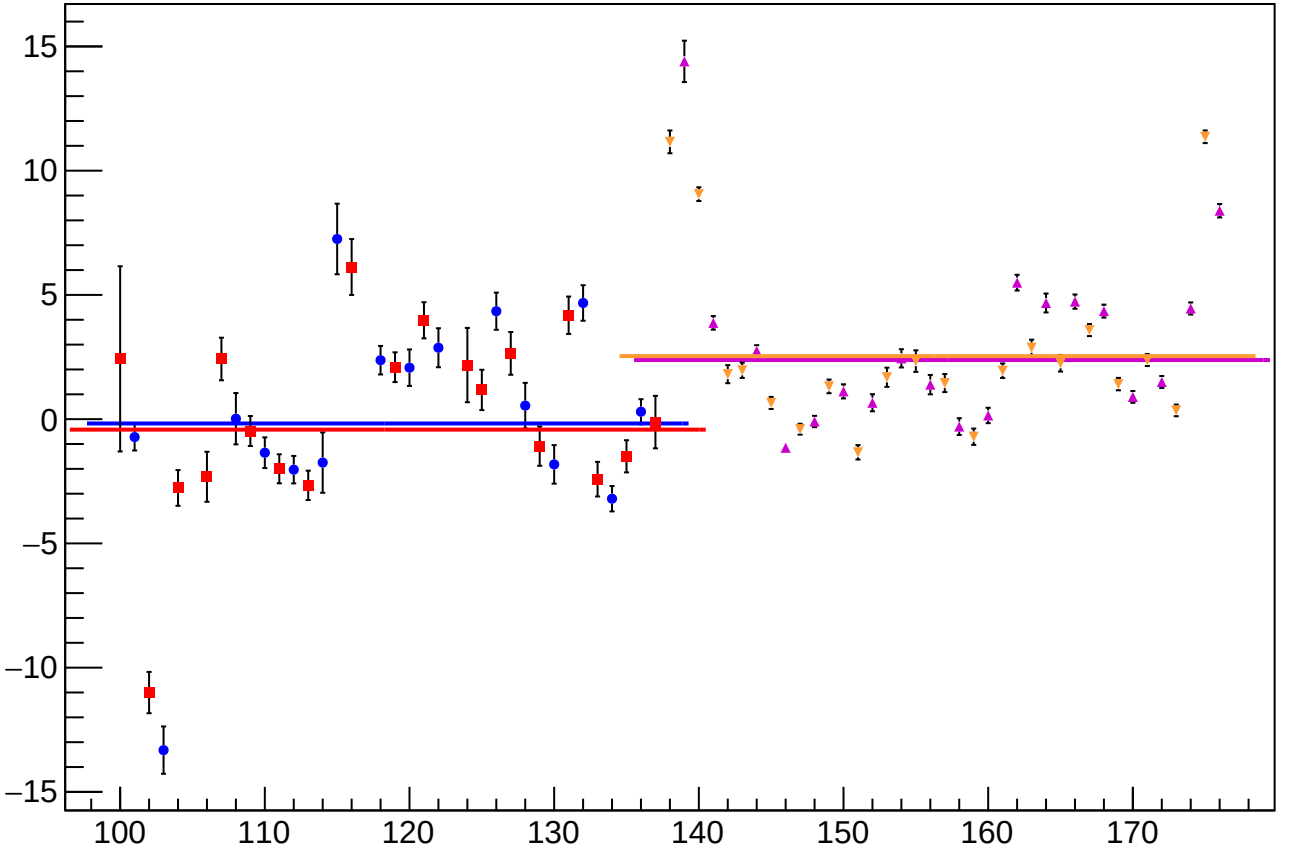
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -8.409+/-0.076 χ^2/NDF:8536.4/34

Out: -8.449+/-0.076 χ^2/NDF:11989.7/38

All: -8.429+/-0.054 χ^2/NDF: 20526.2/73

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.537+/-0.064 χ^2/NDF:2797.4/19

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.379+/-0.064 χ^2/NDF:1726.9/18

Left: 2.458+/-0.045 χ^2/NDF: 4527.4/38

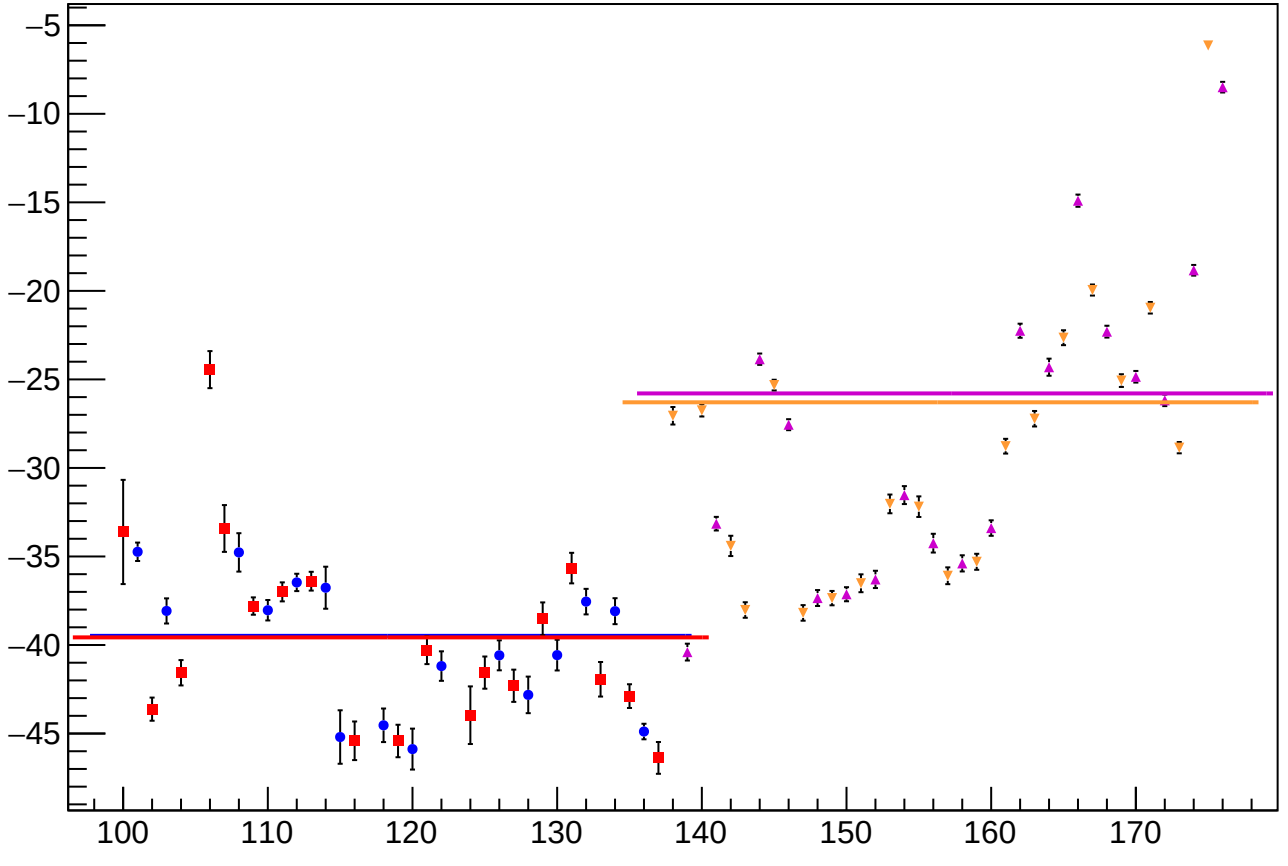
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 2.070+/-0.060 χ^2/NDF:2321.5/34

Out: 2.193+/-0.060 χ^2/NDF:3410.0/38

All: 2.131+/-0.043 χ^2/NDF: 5733.6/73

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.293+/-0.088 χ^2/NDF:10273.7/19

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -25.791+/-0.087 χ^2/NDF:9494.4/18

Left: -26.040+/-0.062 χ^2/NDF: 19784.6/38

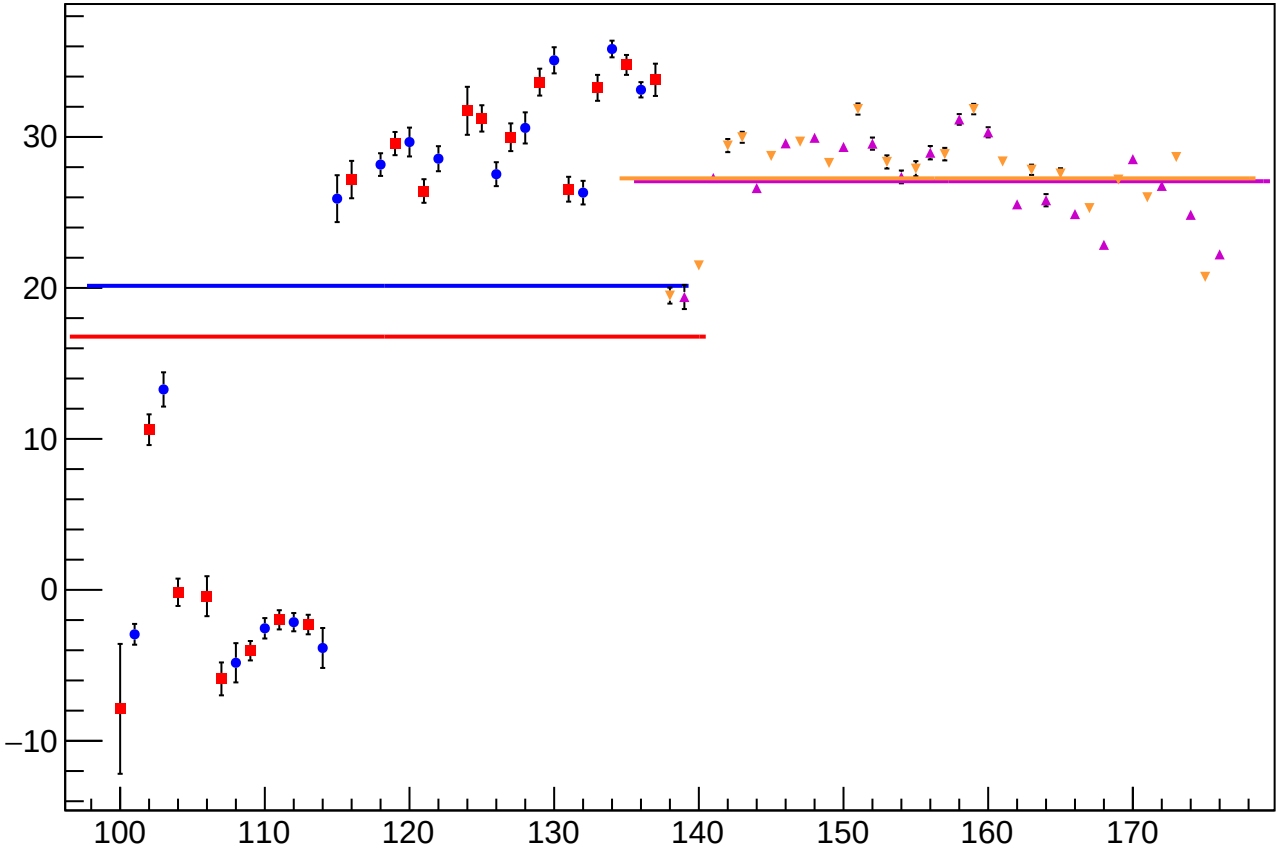
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -28.367+/-0.078 χ^2/NDF:14589.8/34

Out: -28.814+/-0.079 χ^2/NDF:15186.9/38

All: -28.589+/-0.056 χ^2/NDF: 29792.9/73

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: 27.258+/-0.073 χ^2/NDF:1775.8/19

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.067+/-0.073 χ^2/NDF:1276.1/18

Left: 27.162+/-0.052 χ^2/NDF: 3055.3/38

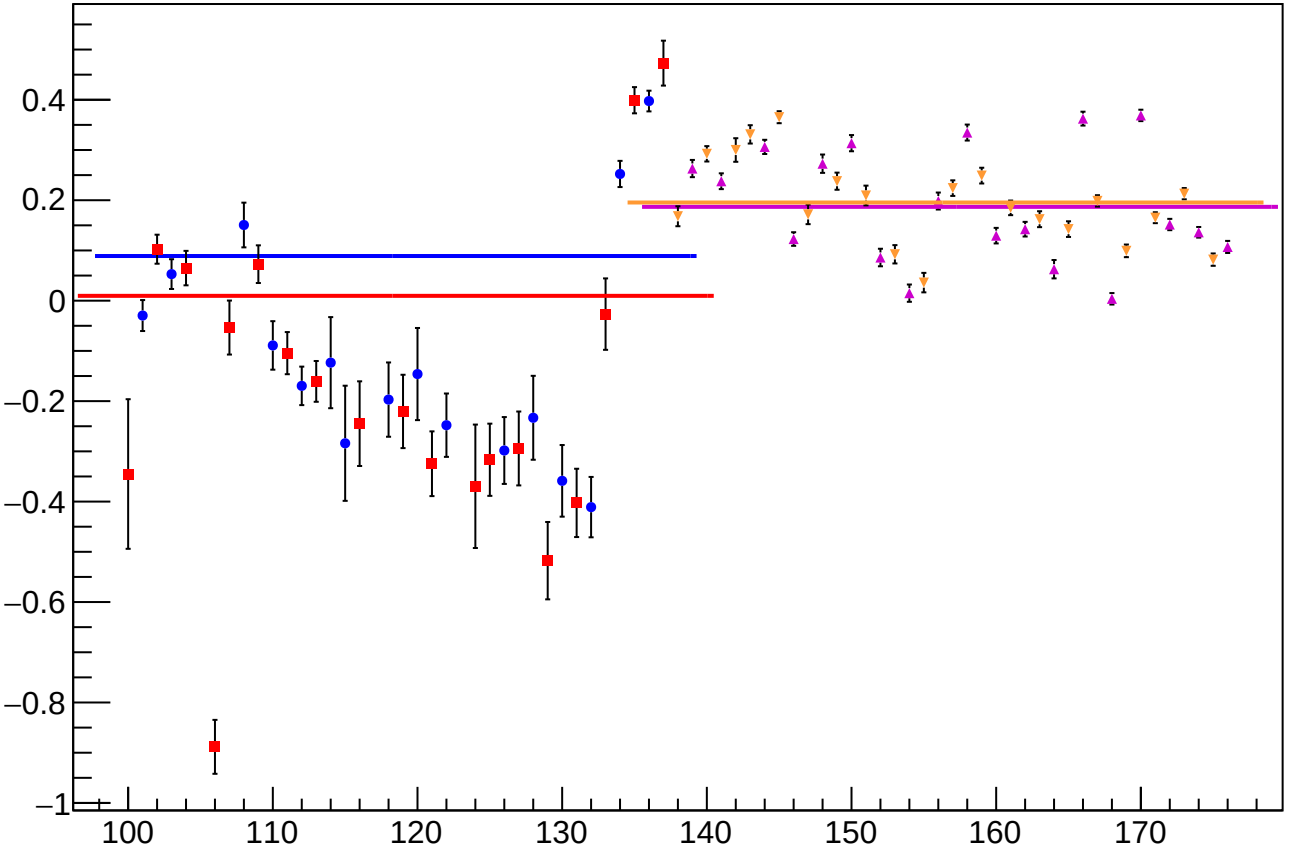
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.215+/-0.068 χ^2/NDF:9070.7/34

Out: 26.020+/-0.069 χ^2/NDF:10944.8/38

All: 26.118+/-0.048 χ^2/NDF: 20019.5/73

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: 0.195+/-0.003 χ^2/NDF:612.7/19

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.187+/-0.003 χ^2/NDF:1249.5/18

Left: 0.191+/-0.002 χ^2/NDF: 1865.8/38

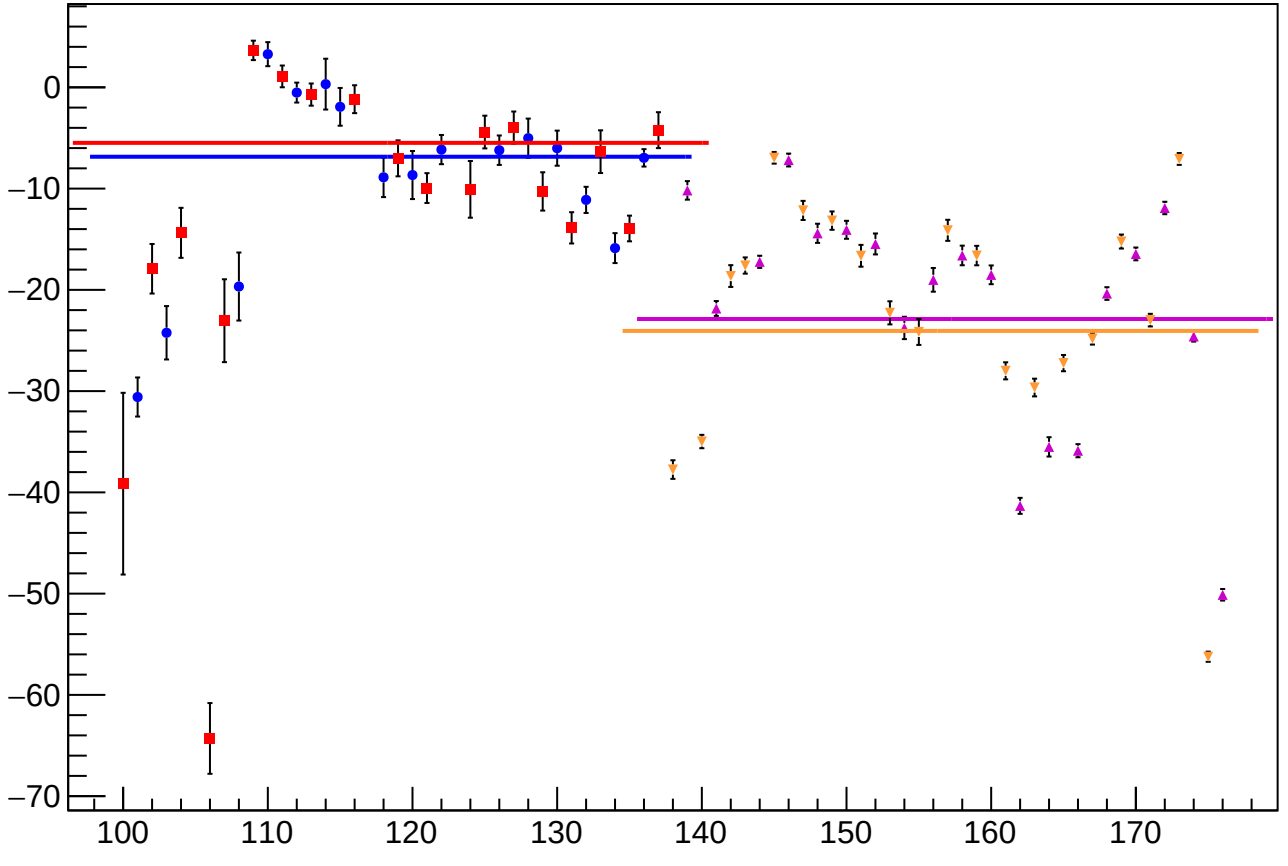
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.003 χ^2/NDF:1894.0/34

Out: 0.180+/-0.003 χ^2/NDF:1708.4/38

All: 0.179+/-0.002 χ^2/NDF: 3602.7/73

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.054+/-0.171 χ^2/NDF:7138.2/19

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -22.878+/-0.169 χ^2/NDF:5051.2/18

Left: -23.459+/-0.120 χ^2/NDF: 12213.4/38

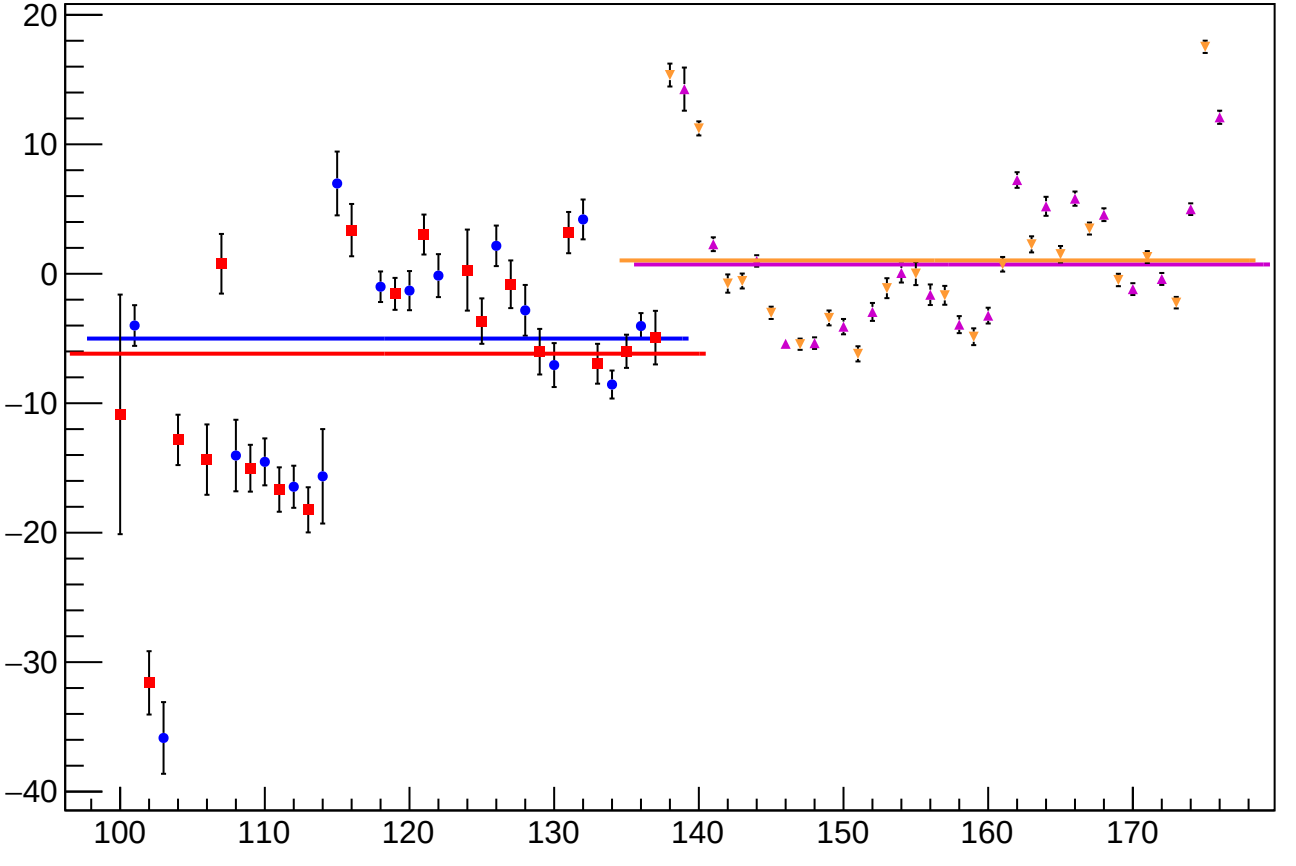
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -20.180+/-0.154 χ^2/NDF:6955.1/34

Out: -20.772+/-0.155 χ^2/NDF:9830.1/38

All: -20.474+/-0.109 χ^2/NDF: 16792.5/73

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.032+/-0.125 χ^2/NDF:2543.9/19

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 0.719+/-0.124 χ^2/NDF:1633.8/18

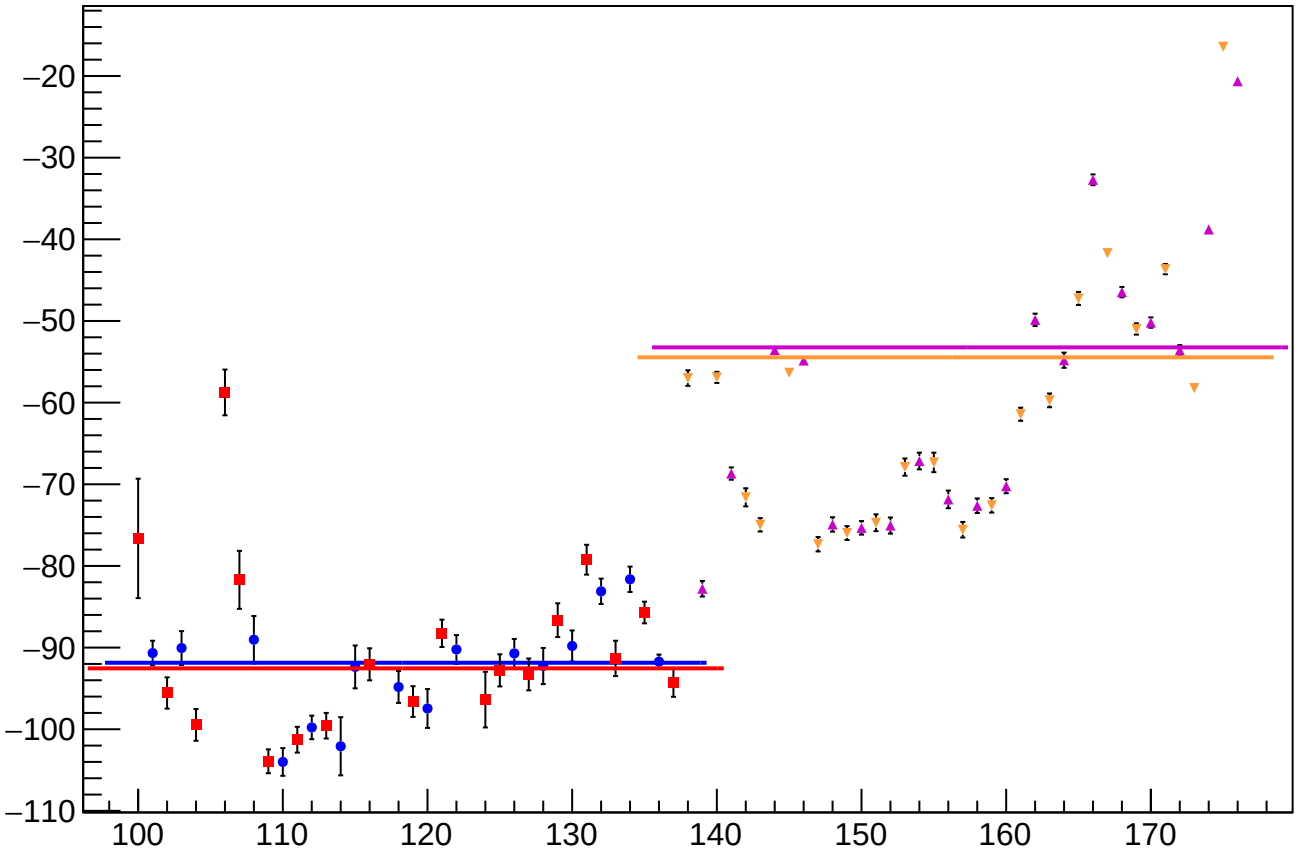
Left: 0.874+/-0.088 χ^2/NDF: 4180.9/38

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

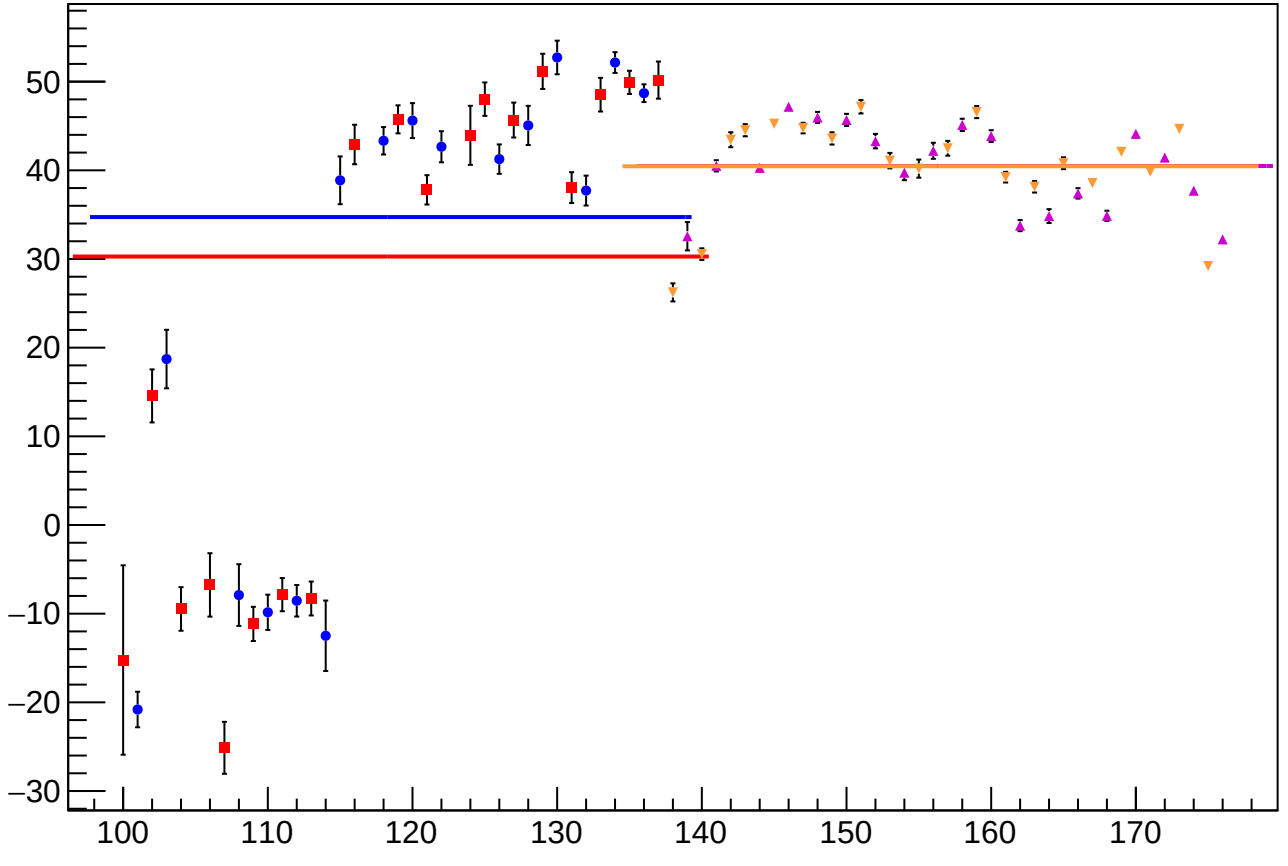
In: 0.204+/-0.119 χ^2/NDF:2166.3/34

Out: 0.436+/-0.120 χ^2/NDF:3187.5/38

All: 0.318+/-0.084 χ^2/NDF: 5355.7/73


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -91.856+/-0.424 χ²/NDF: 177.3/15
Left Out: -54.452+/-0.170 χ²/NDF:10489.4/19
Right Out: -92.544+/-0.439 χ²/NDF: 387.8/18
Left In: -53.234+/-0.168 χ²/NDF:9672.8/18
Left: -53.836+/-0.120 χ²/NDF: 20188.2/38
Right: -92.188+/-0.305 χ²/NDF: 566.3/34
In: -58.479+/-0.156 χ²/NDF:17019.1/34
Out: -59.417+/-0.159 χ²/NDF:17417.5/38
All: -58.942+/-0.111 χ²/NDF: 34454.3/73

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: 40.458+/-0.142 χ^2/NDF:1419.6/19

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 40.490+/-0.141 χ^2/NDF:1059.1/18

Left: 40.474+/-0.100 χ^2/NDF: 2478.6/38

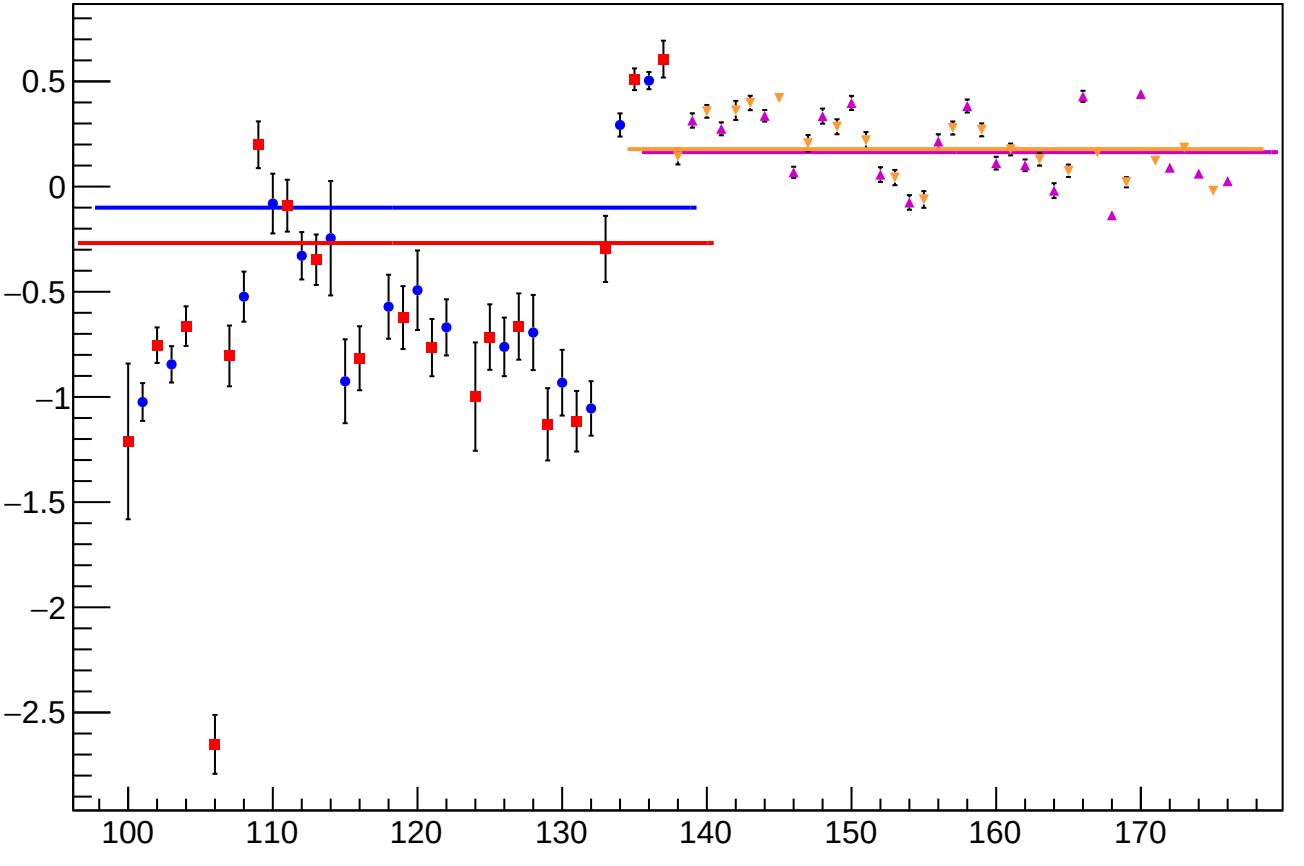
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 39.956+/-0.135 χ^2/NDF:4022.4/34

Out: 39.598+/-0.136 χ^2/NDF:4765.5/38

All: 39.779+/-0.096 χ^2/NDF: 8791.4/73

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: 0.178+/-0.006 χ^2/NDF:418.9/19

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.164+/-0.006 χ^2/NDF:827.2/18

Left: 0.171+/-0.004 χ^2/NDF: 1248.7/38

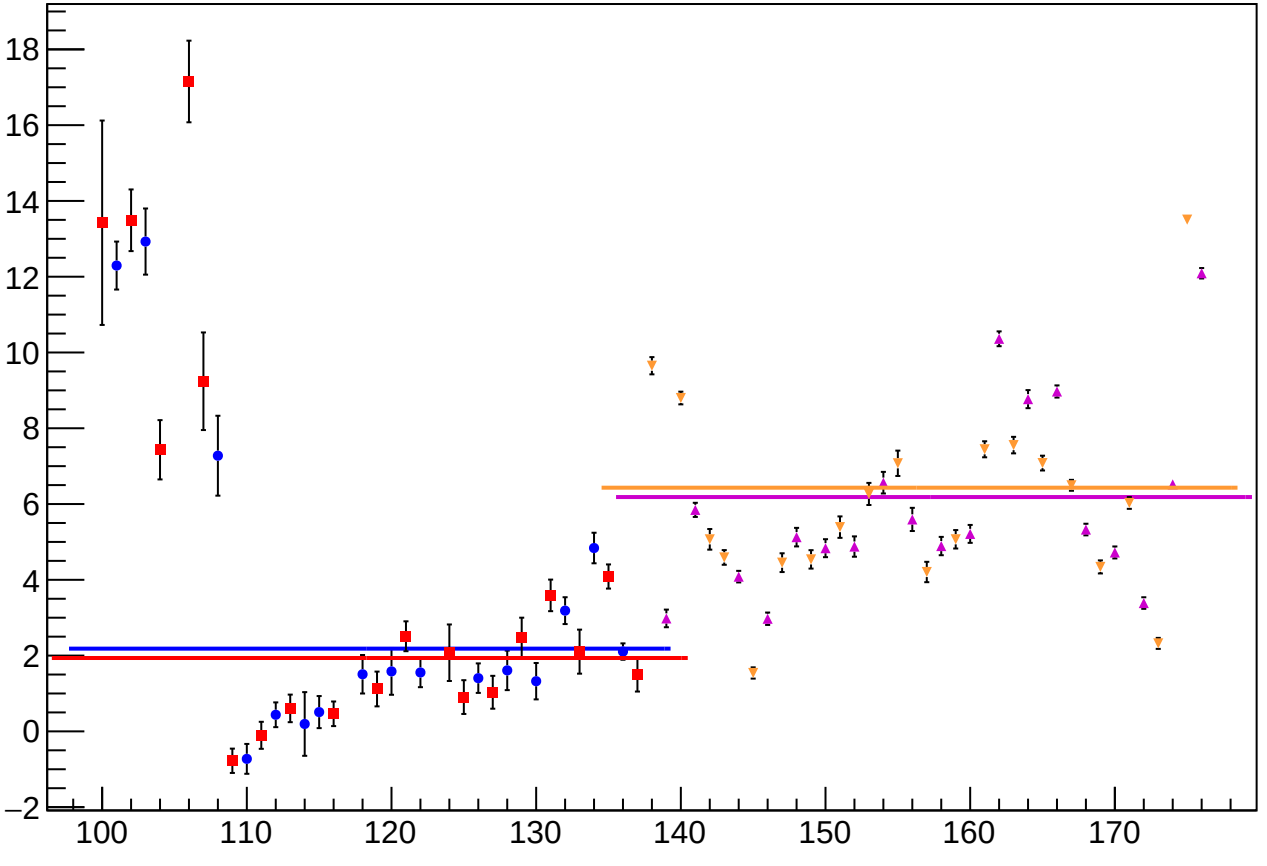
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.147+/-0.006 χ^2/NDF:1571.7/34

Out: 0.153+/-0.006 χ^2/NDF:1512.3/38

All: 0.150+/-0.004 χ^2/NDF: 3084.5/73

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: 6.432+/-0.043 χ^2/NDF:6283.7/19

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 6.185+/-0.042 χ^2/NDF:4064.2/18

Left: 6.307+/-0.030 χ^2/NDF: 10364.7/38

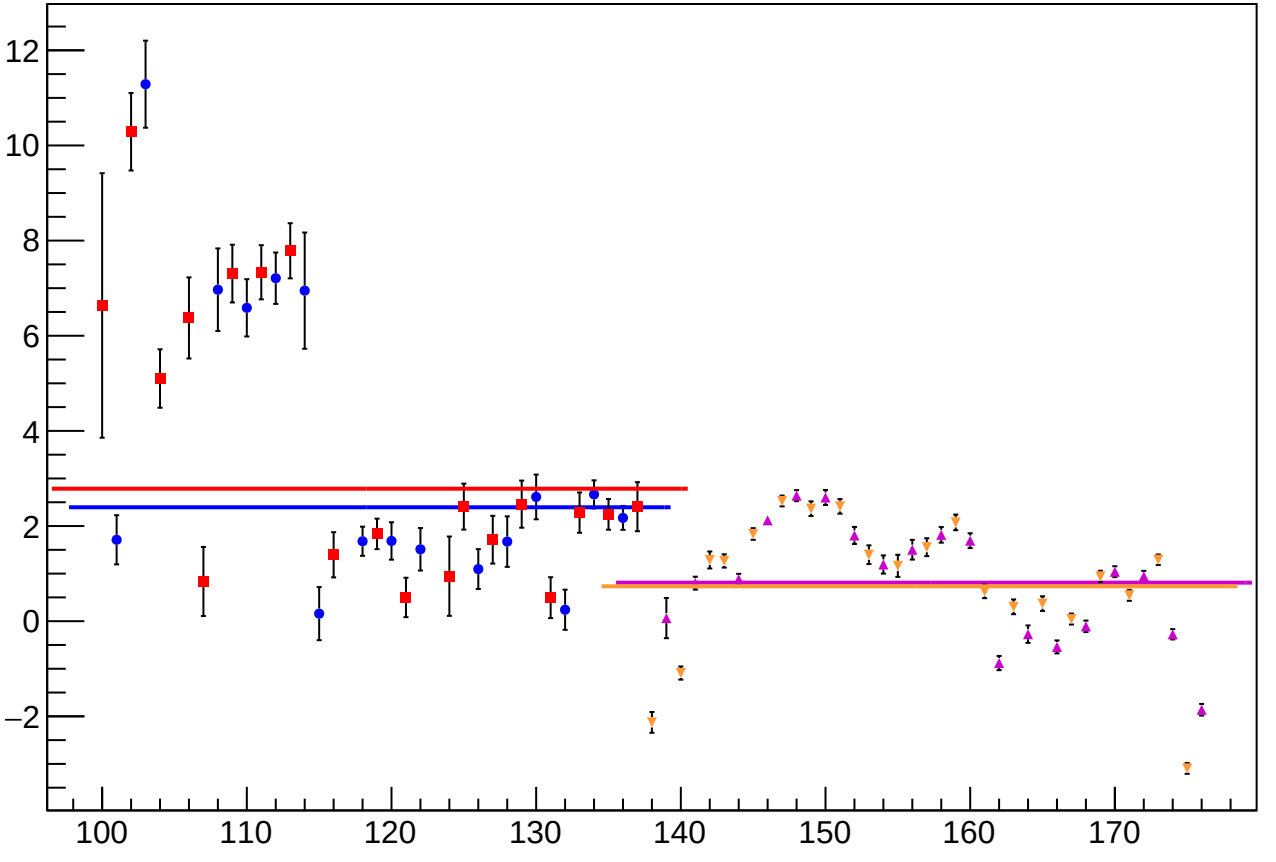
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.626+/-0.039 χ^2/NDF:5913.0/34

Out: 5.796+/-0.040 χ^2/NDF:8560.3/38

All: 5.710+/-0.028 χ^2/NDF: 14482.6/73

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.733+/-0.031 χ^2/NDF:2242.9/19

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.810+/-0.031 χ^2/NDF:1586.0/18

Left: 0.772+/-0.022 χ^2/NDF: 3831.9/38

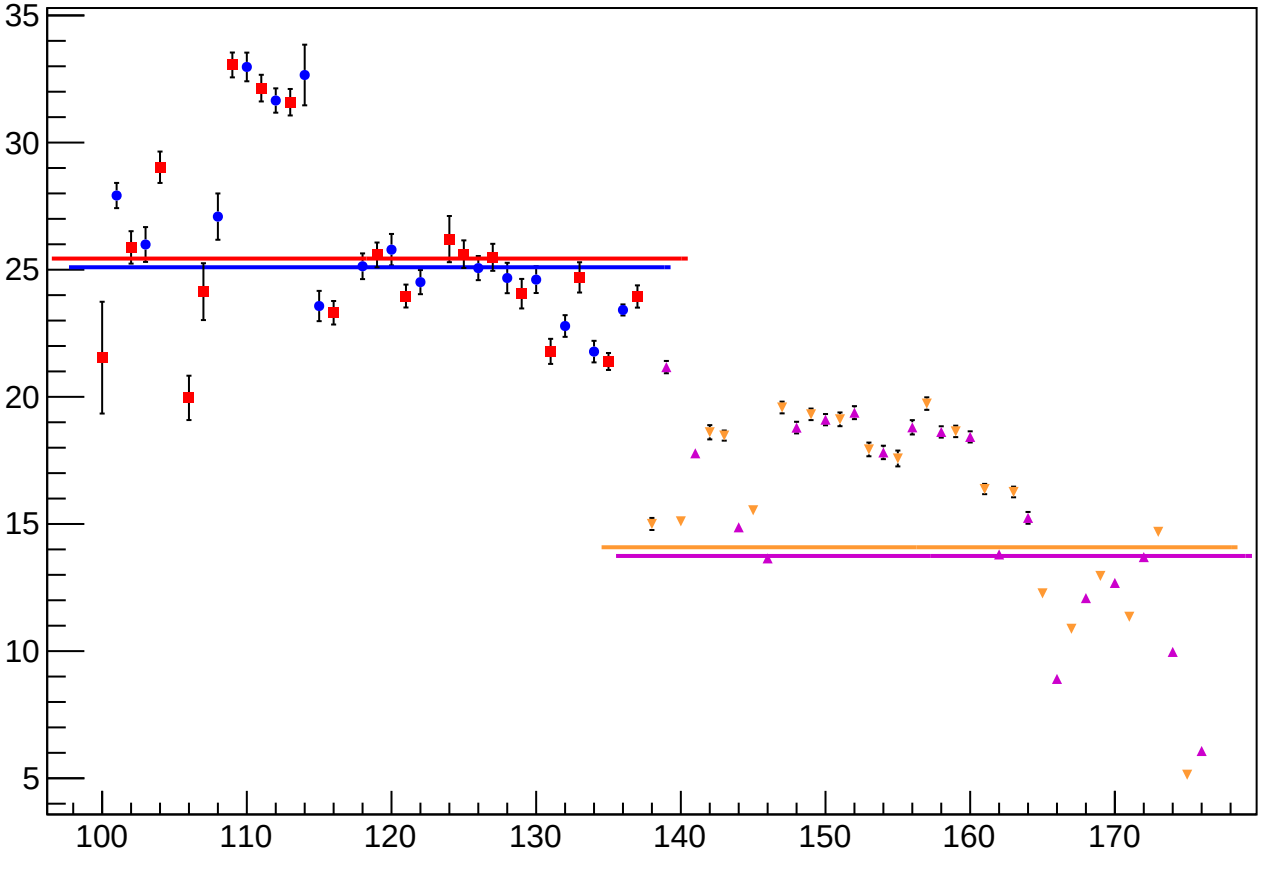
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.932+/-0.030 χ^2/NDF:2117.3/34

Out: 0.874+/-0.030 χ^2/NDF:2945.7/38

All: 0.903+/-0.021 χ^2/NDF: 5064.7/73

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: 14.085+/-0.043 χ^2/NDF:10224.1/19

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.743+/-0.042 χ^2/NDF:9518.2/18

Left: 13.912+/-0.030 χ^2/NDF: 19774.9/38

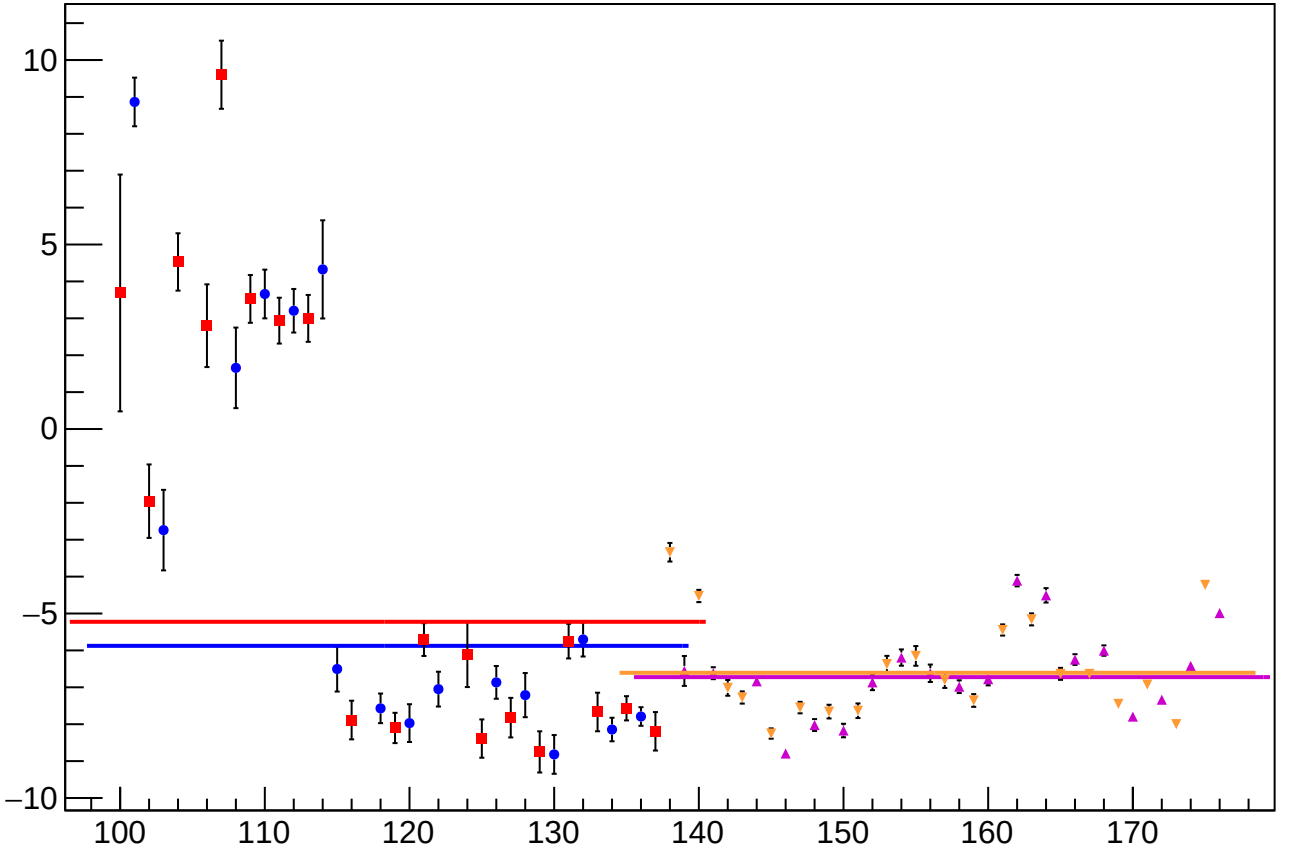
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 15.035+/-0.040 χ^2/NDF:18409.8/34

Out: 15.284+/-0.040 χ^2/NDF:18596.6/38

All: 15.157+/-0.028 χ^2/NDF: 37025.7/73

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: -6.606+/-0.036 χ^2/NDF:1323.9/19

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.724+/-0.035 χ^2/NDF:1162.7/18

Left: -6.666+/-0.025 χ^2/NDF: 2492.1/38

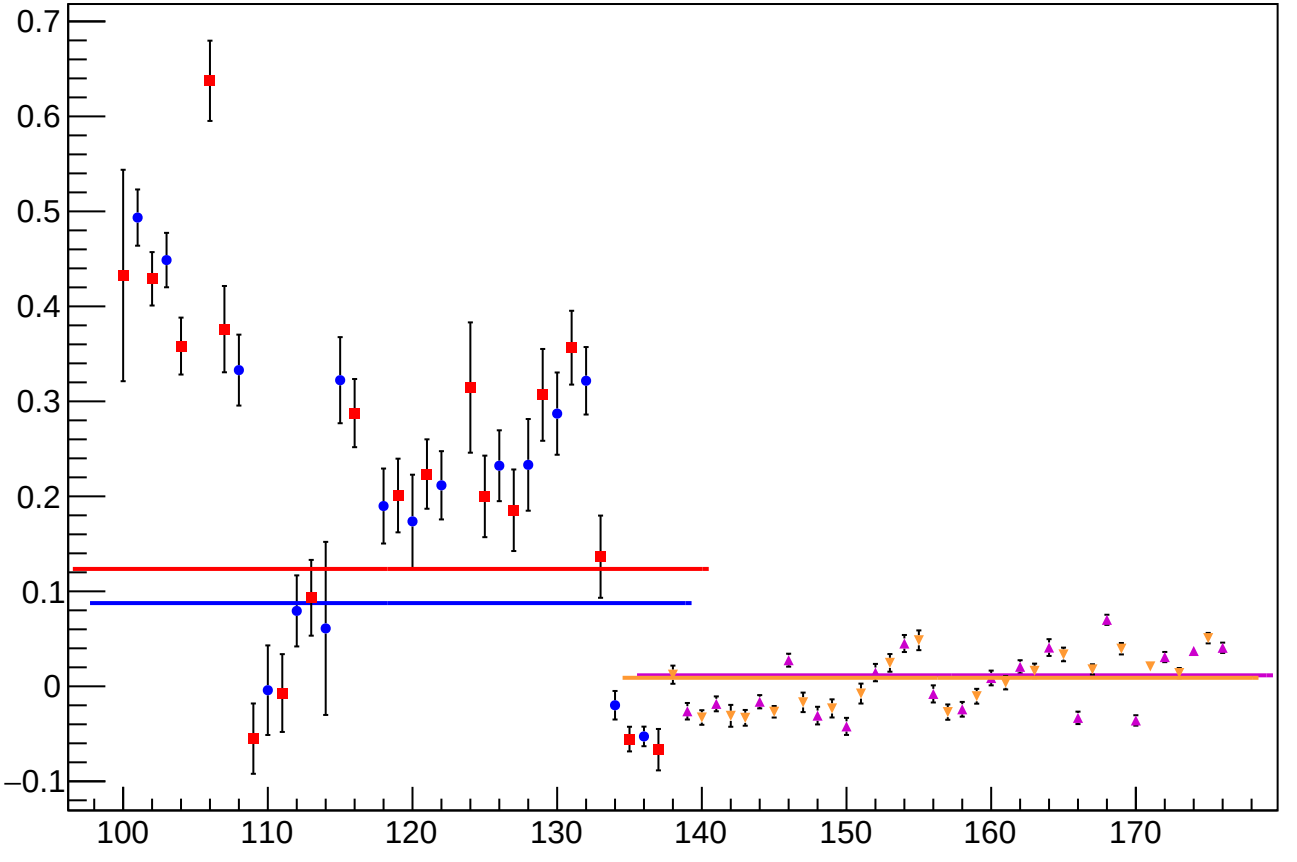
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.657+/-0.034 χ^2/NDF:2459.5/34

Out: -6.509+/-0.034 χ^2/NDF:2721.8/38

All: -6.584+/-0.024 χ^2/NDF: 5190.7/73

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: 0.009+/-0.002 χ^2/NDF:271.4/19

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.012+/-0.002 χ^2/NDF:477.3/18

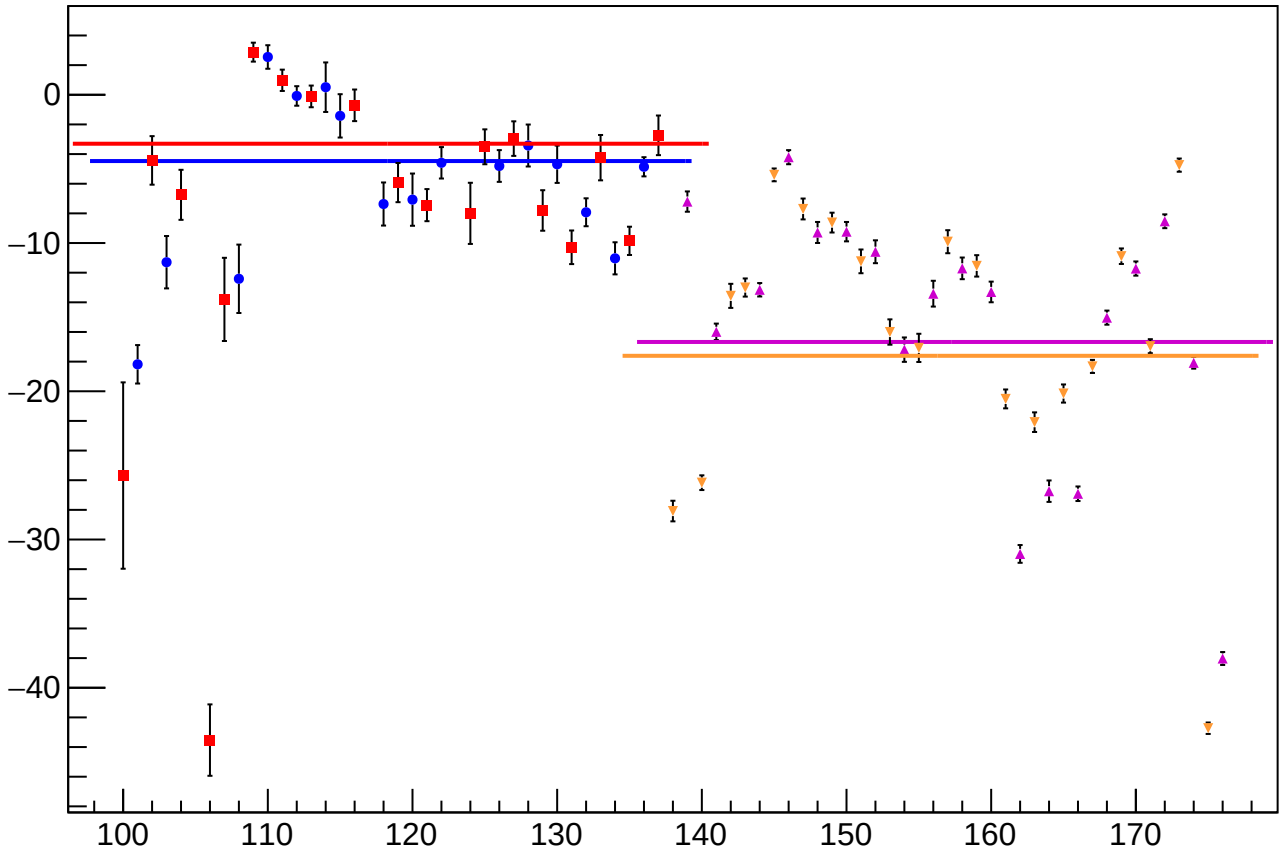
Left: 0.010+/-0.001 χ^2/NDF: 750.0/38

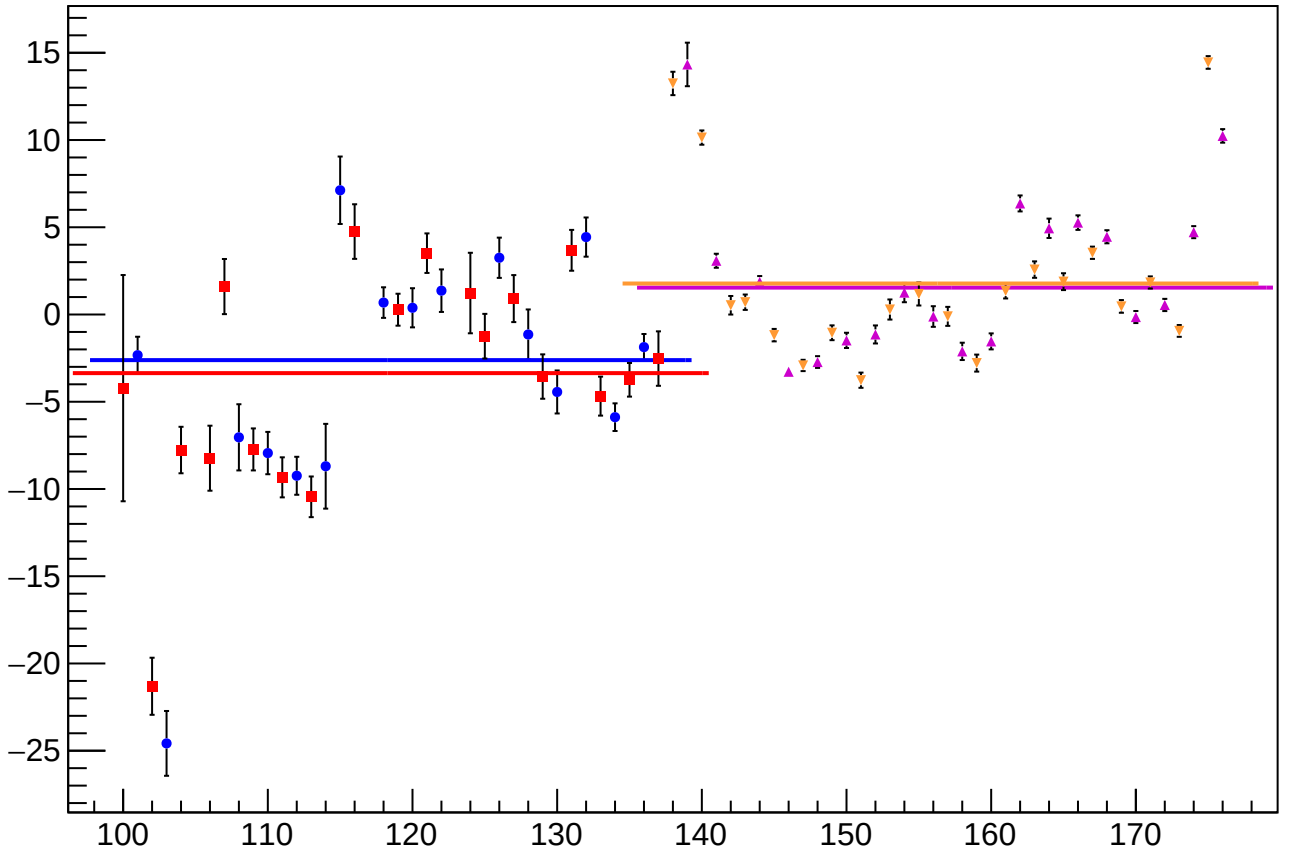
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.016+/-0.002 χ^2/NDF:1371.2/34

Out: 0.014+/-0.002 χ^2/NDF:1266.8/38

All: 0.015+/-0.001 χ^2/NDF: 2638.4/73


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -17.608+/-0.129 χ²/NDF:7347.4/19
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -16.674+/-0.128 χ²/NDF:5357.0/18
Left: -17.136+/-0.091 χ²/NDF: 12730.8/38
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -14.422+/-0.115 χ²/NDF:7374.2/34
Out: -14.791+/-0.116 χ²/NDF:10348.1/38
All: -14.606+/-0.082 χ²/NDF: 17727.4/73



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.776+/-0.094 χ^2/NDF:2634.3/19

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.541+/-0.094 χ^2/NDF:1658.7/18

Left: 1.658+/-0.067 χ^2/NDF: 4296.1/38

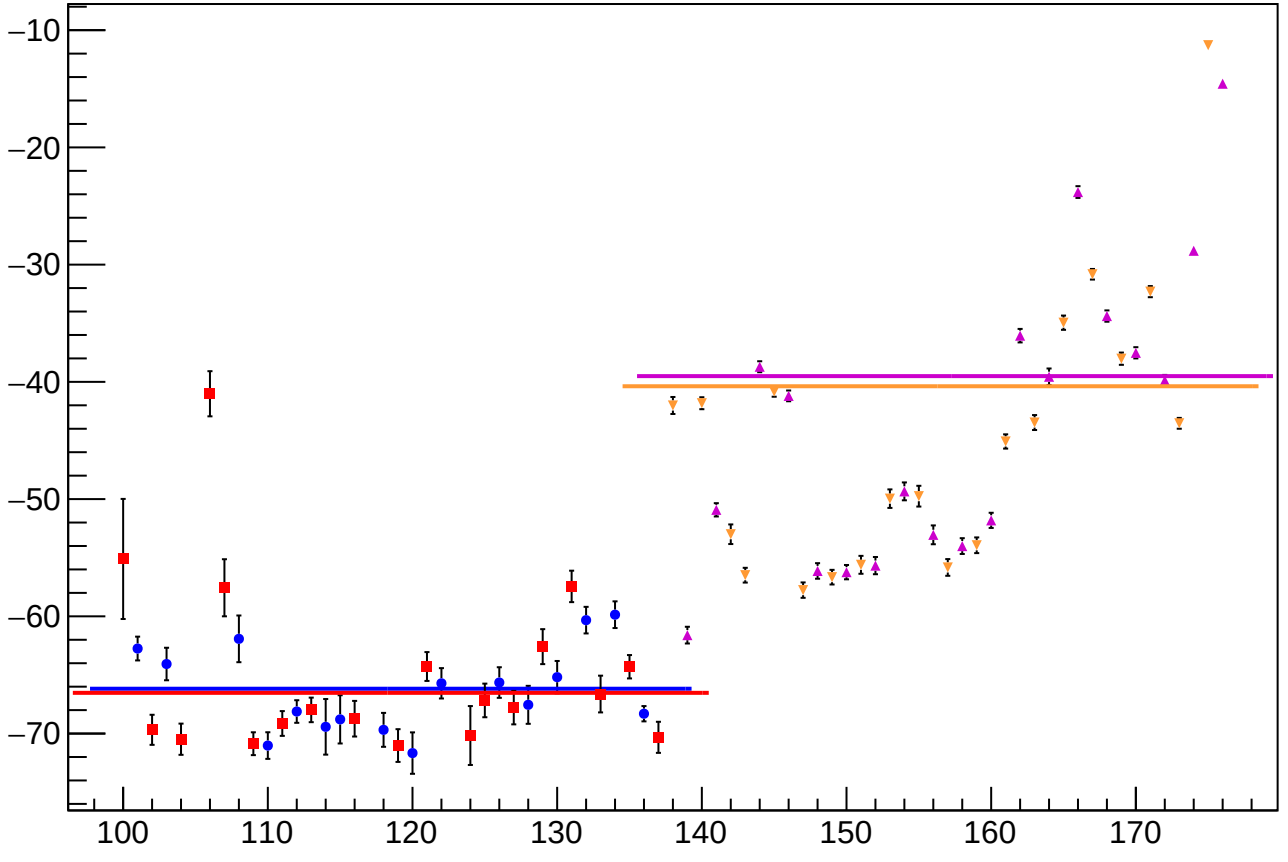
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 1.136+/-0.089 χ^2/NDF:2201.6/34

Out: 1.310+/-0.090 χ^2/NDF:3262.6/38

All: 1.222+/-0.063 χ^2/NDF: 5466.0/73

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -40.375+/-0.128 χ^2/NDF:10464.7/19

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -39.510+/-0.127 χ^2/NDF:9647.2/18

Left: -39.937+/-0.090 χ^2/NDF: 20134.9/38

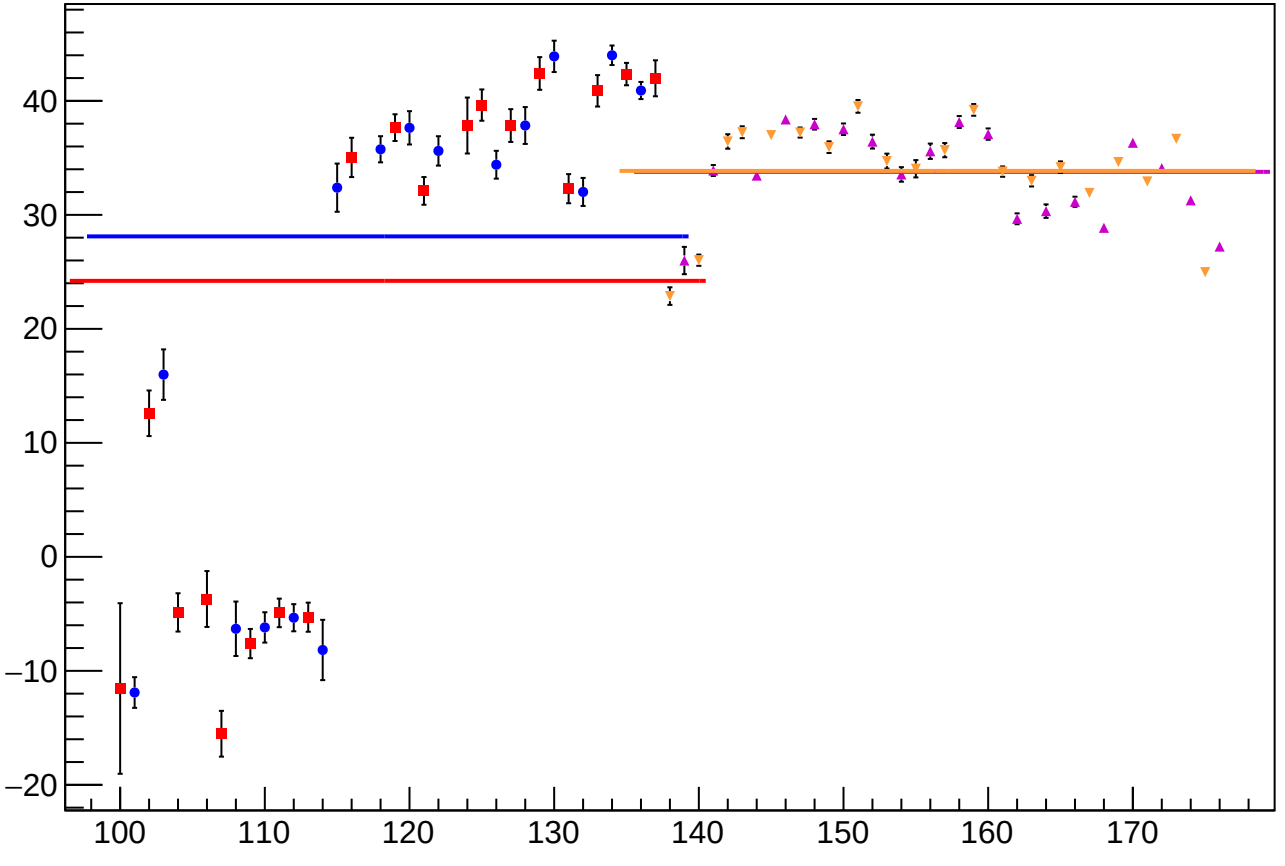
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -43.464+/-0.117 χ^2/NDF:16316.1/34

Out: -44.152+/-0.119 χ^2/NDF:16779.2/38

All: -43.803+/-0.083 χ^2/NDF: 33112.3/73

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: 33.856+/-0.107 χ^2/NDF:1511.6/19

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.774+/-0.107 χ^2/NDF:1097.0/18

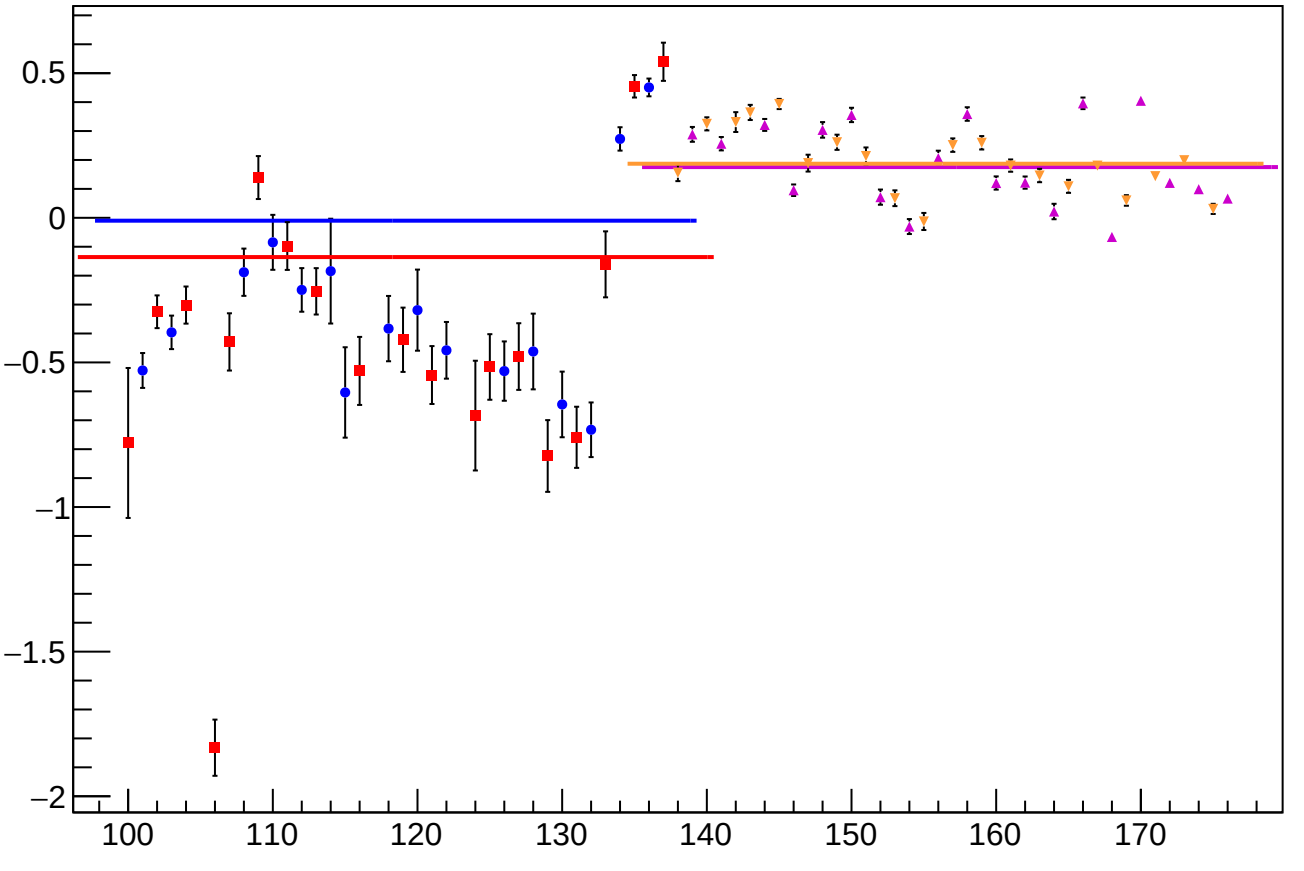
Left: 33.815+/-0.076 χ^2/NDF: 2608.9/38

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.208+/-0.101 χ^2/NDF:5106.5/34

Out: 32.965+/-0.102 χ^2/NDF:6102.8/38

All: 33.087+/-0.072 χ^2/NDF: 11212.2/73



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.187+/-0.005 χ^2/NDF:480.3/19

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.175+/-0.005 χ^2/NDF:963.8/18

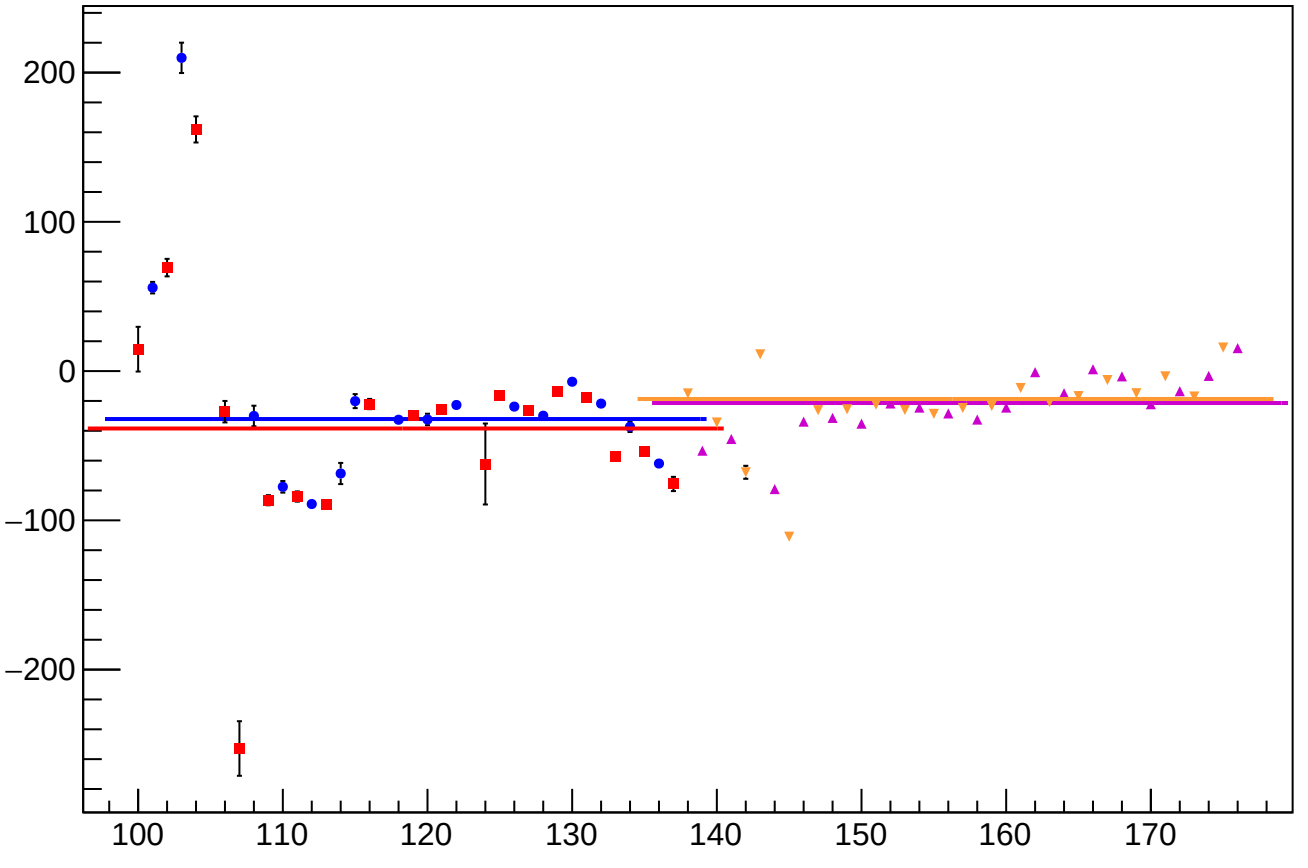
Left: 0.181+/-0.003 χ^2/NDF: 1447.0/38

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.162+/-0.005 χ^2/NDF:1657.6/34

Out: 0.167+/-0.005 χ^2/NDF:1574.2/38

All: 0.165+/-0.003 χ^2/NDF: 3232.2/73



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -18.684+/-0.615 χ^2/NDF:1521.8/19

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -21.392+/-0.619 χ^2/NDF:1233.7/18

Left: -20.030+/-0.436 χ^2/NDF: 2765.1/38

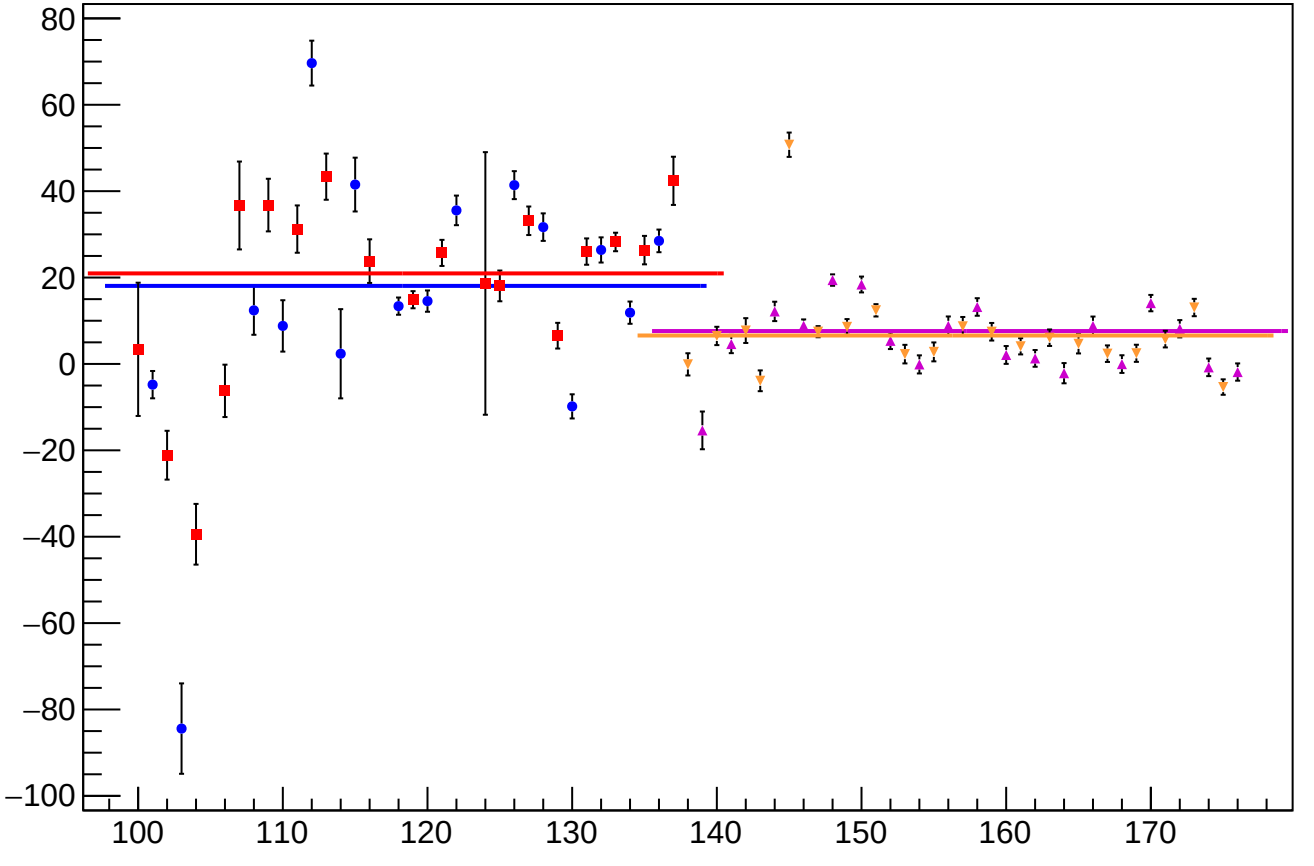
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -25.149+/-0.499 χ^2/NDF:3216.4/34

Out: -25.333+/-0.501 χ^2/NDF:3841.8/38

All: -25.241+/-0.354 χ^2/NDF: 7058.3/73

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.584+/-0.439 χ^2/NDF:365.2/19

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 7.616+/-0.450 χ^2/NDF:272.7/18

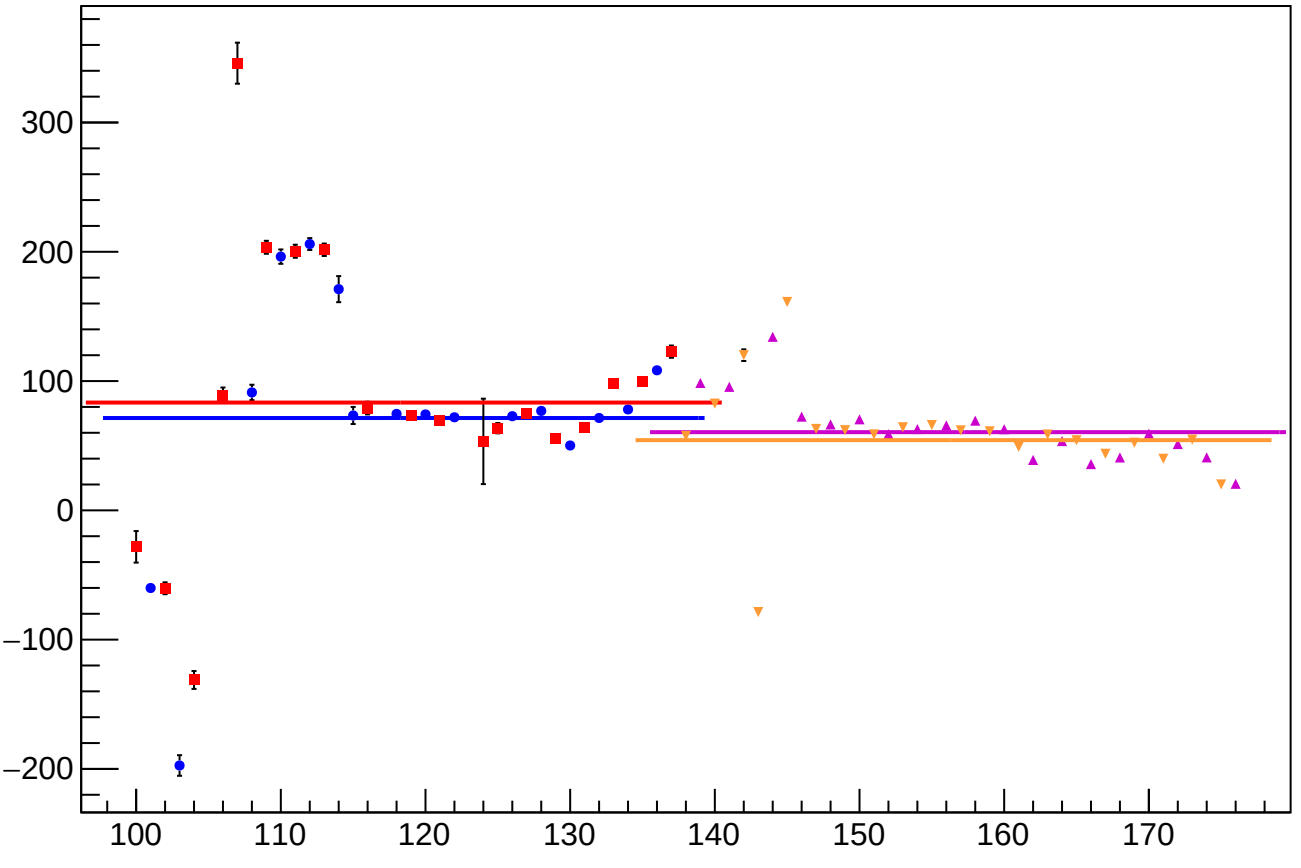
Left: 7.087+/-0.314 χ^2/NDF: 640.7/38

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.027+/-0.395 χ^2/NDF:896.5/34

Out: 9.512+/-0.392 χ^2/NDF:846.1/38

All: 9.768+/-0.278 χ^2/NDF: 1743.4/73



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 54.290+/-0.604 χ^2/NDF:3401.1/19

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 60.487+/-0.609 χ^2/NDF:1622.3/18

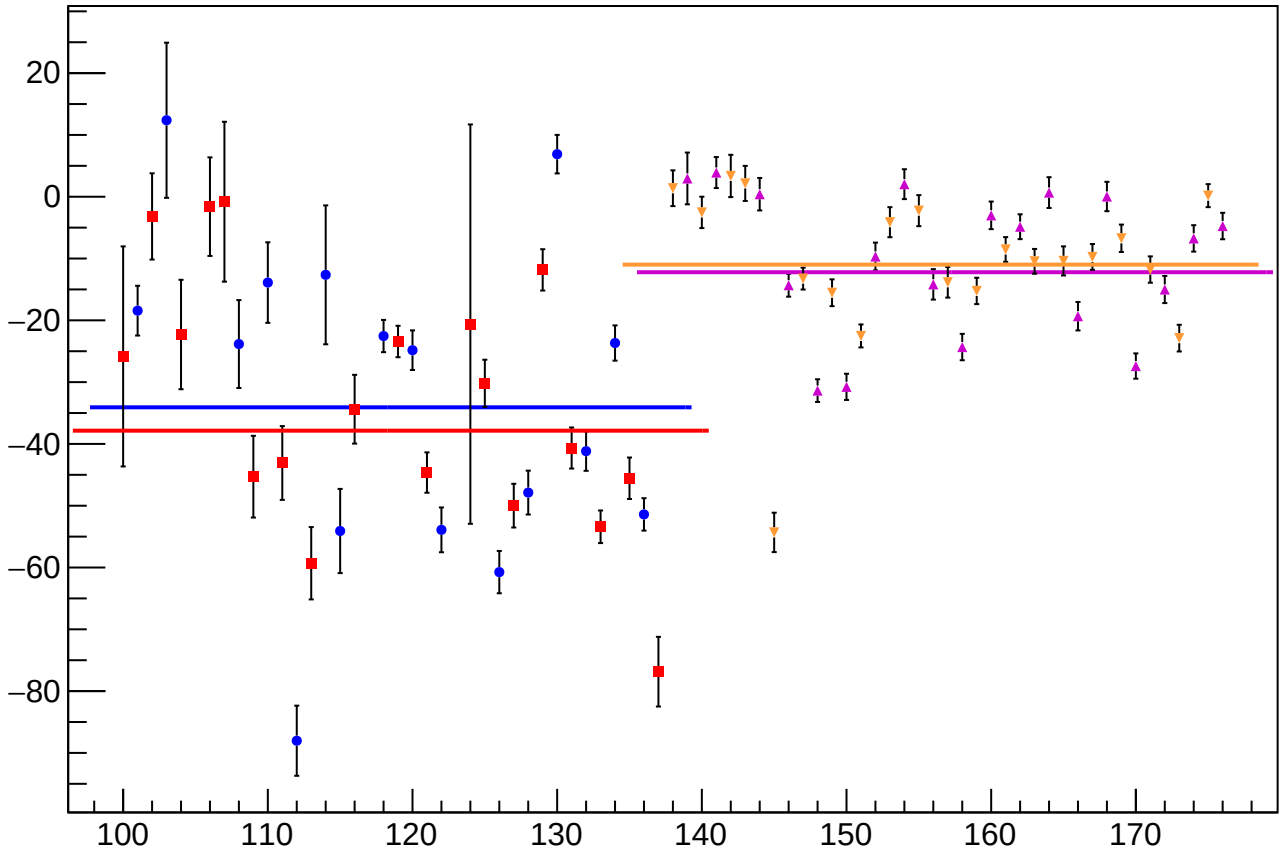
Left: 57.368+/-0.429 χ^2/NDF: 5075.6/38

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 63.760+/-0.509 χ^2/NDF:6538.5/34

Out: 62.248+/-0.515 χ^2/NDF:8332.1/38

All: 63.012+/-0.362 χ^2/NDF: 14874.9/73



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.986+/-0.503 χ^2/NDF:395.3/19

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.216+/-0.514 χ^2/NDF:501.9/18

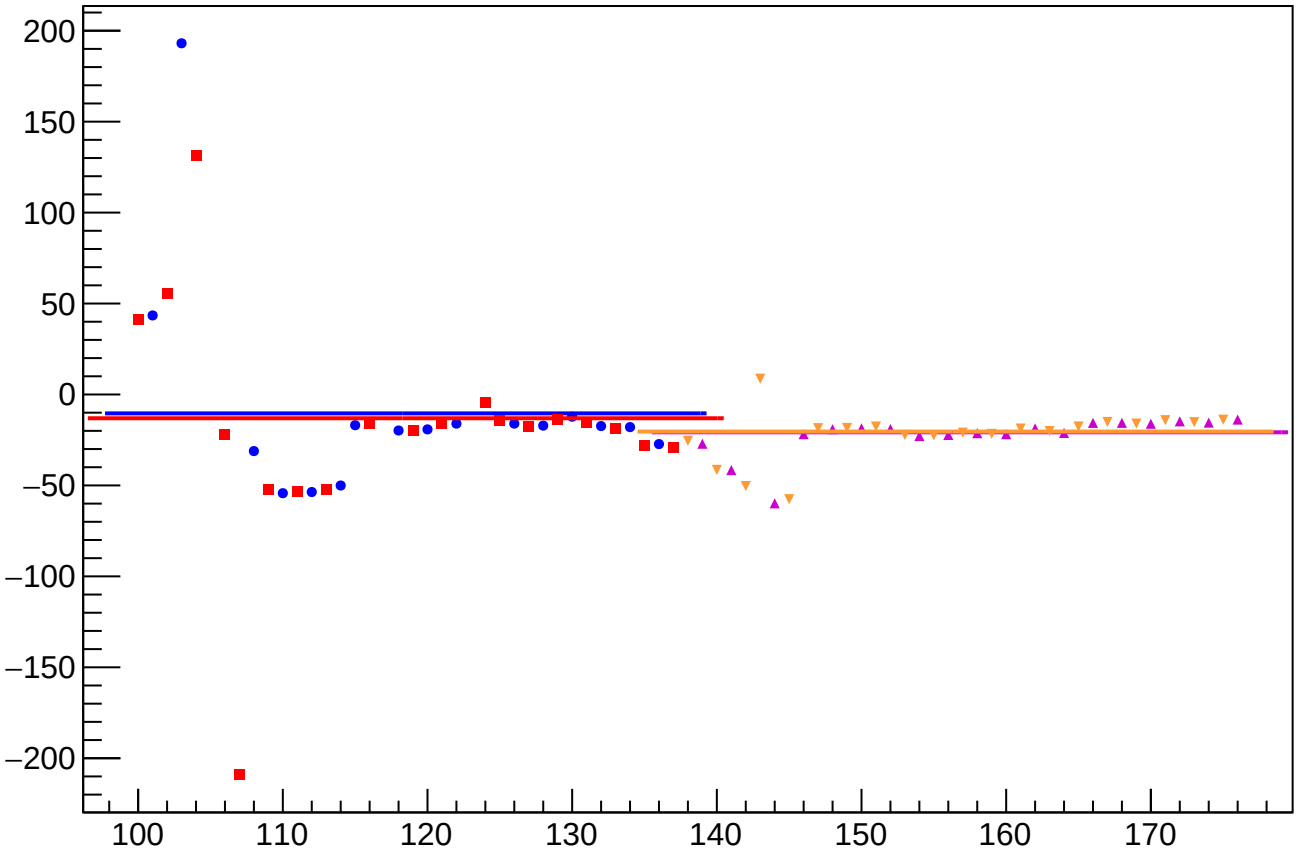
Left: -11.588+/-0.360 χ^2/NDF: 900.1/38

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -17.232+/-0.451 χ^2/NDF:1427.9/34

Out: -16.467+/-0.449 χ^2/NDF:1251.7/38

All: -16.848+/-0.318 χ^2/NDF: 2681.1/73



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.377+/-0.023 χ^2/NDF:211567.9/19

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -20.793+/-0.023 χ^2/NDF:137653.0/18

Left: -20.588+/-0.016 χ^2/NDF: 349388.8/38

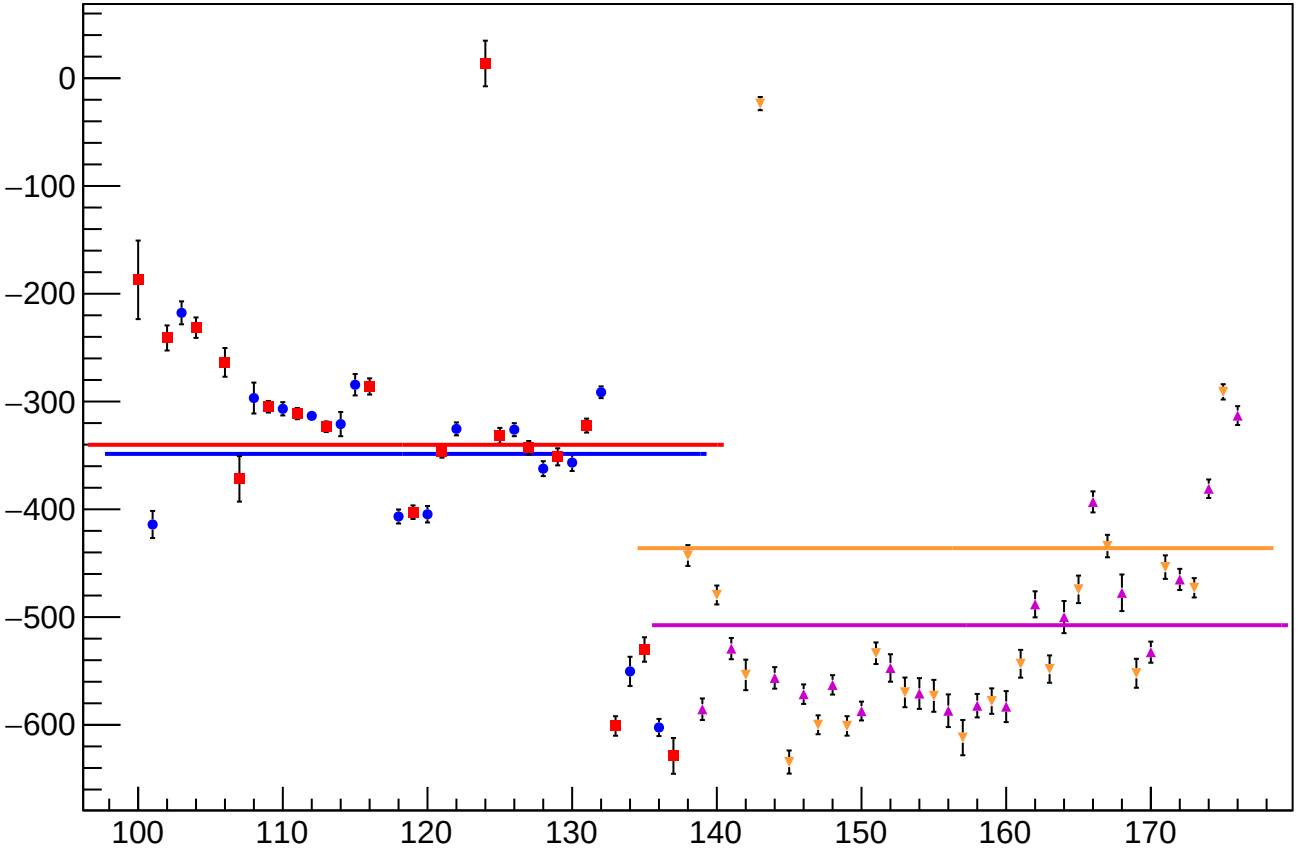
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.379+/-0.021 χ^2/NDF:688895.1/34

Out: -19.520+/-0.021 χ^2/NDF:673185.3/38

All: -19.448+/-0.015 χ^2/NDF: 1362102.4/73

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -436.037+/-2.272 χ^2/NDF:6861.4/19

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -507.537+/-2.431 χ^2/NDF:1269.9/18

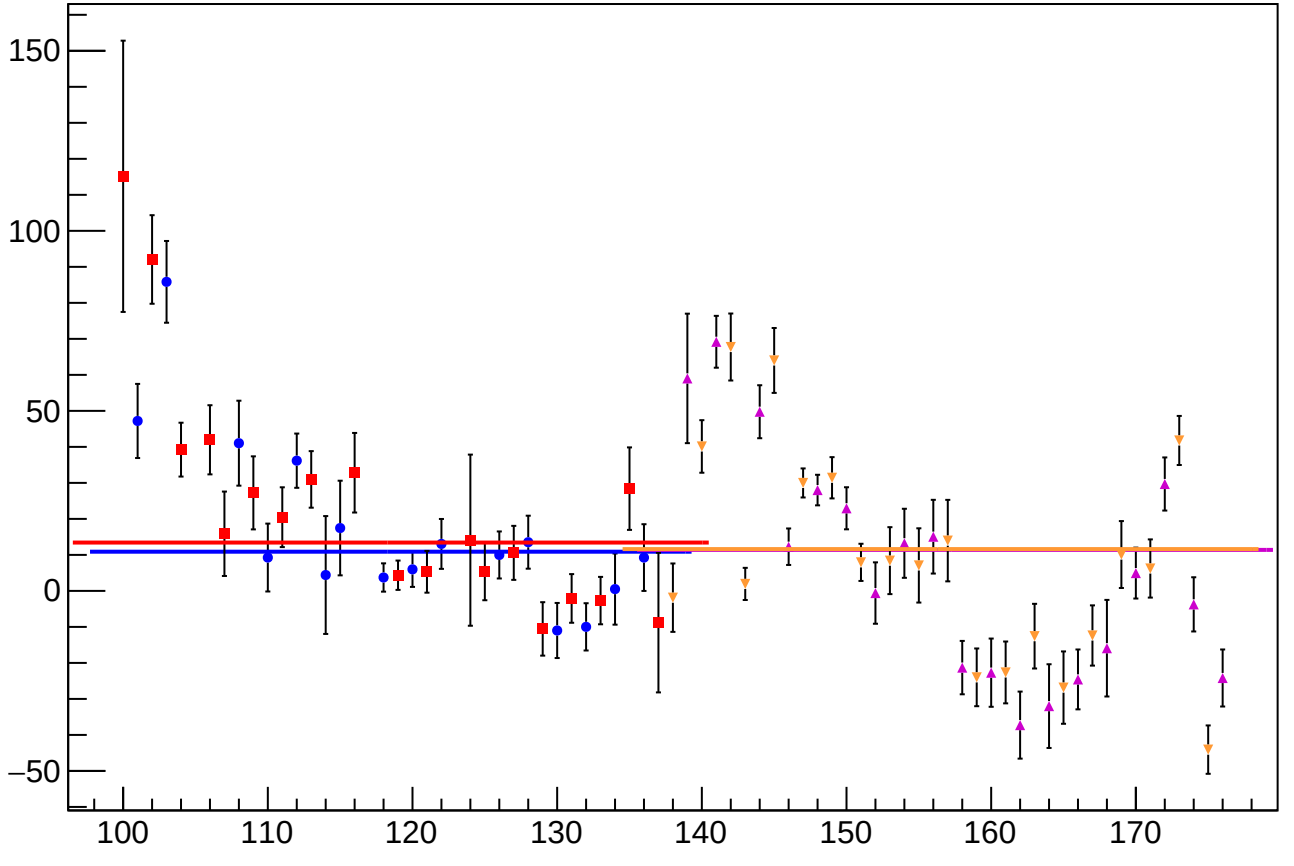
Left: -469.375+/-1.660 χ^2/NDF: 8593.1/38

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -405.876+/-1.459 χ^2/NDF:5863.3/34

Out: -376.094+/-1.391 χ^2/NDF:10172.2/38

All: -390.273+/-1.007 χ^2/NDF: 16253.7/73



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.609+/-1.584 χ^2/NDF:280.3/19

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 11.389+/-1.717 χ^2/NDF:247.8/18

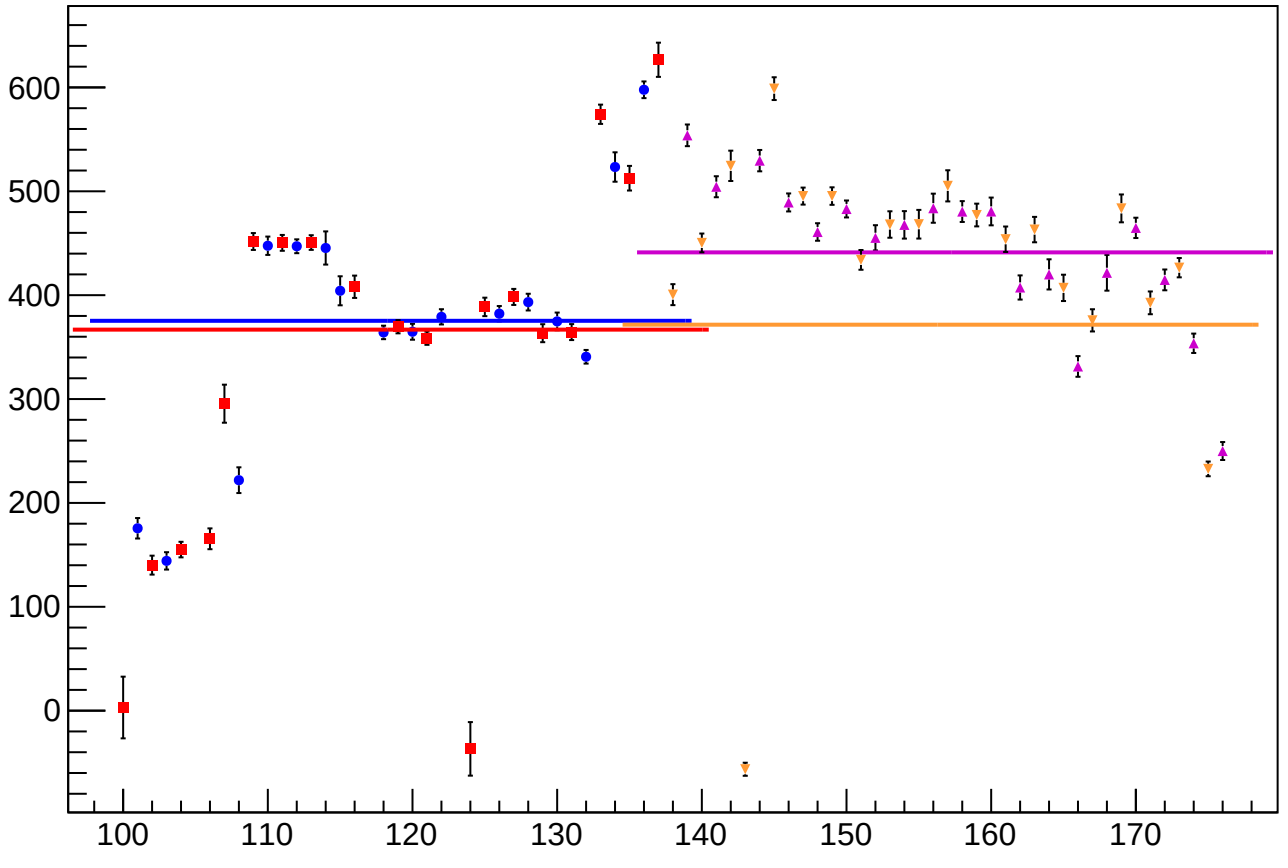
Left: 11.508+/-1.164 χ^2/NDF: 528.1/38

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 11.156+/-1.256 χ^2/NDF:346.0/34

Out: 12.376+/-1.205 χ^2/NDF:393.3/38

All: 11.792+/-0.869 χ^2/NDF: 739.8/73



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 371.583+/-2.246 χ^2/NDF:6611.8/19

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 441.199+/-2.391 χ^2/NDF:1054.2/18

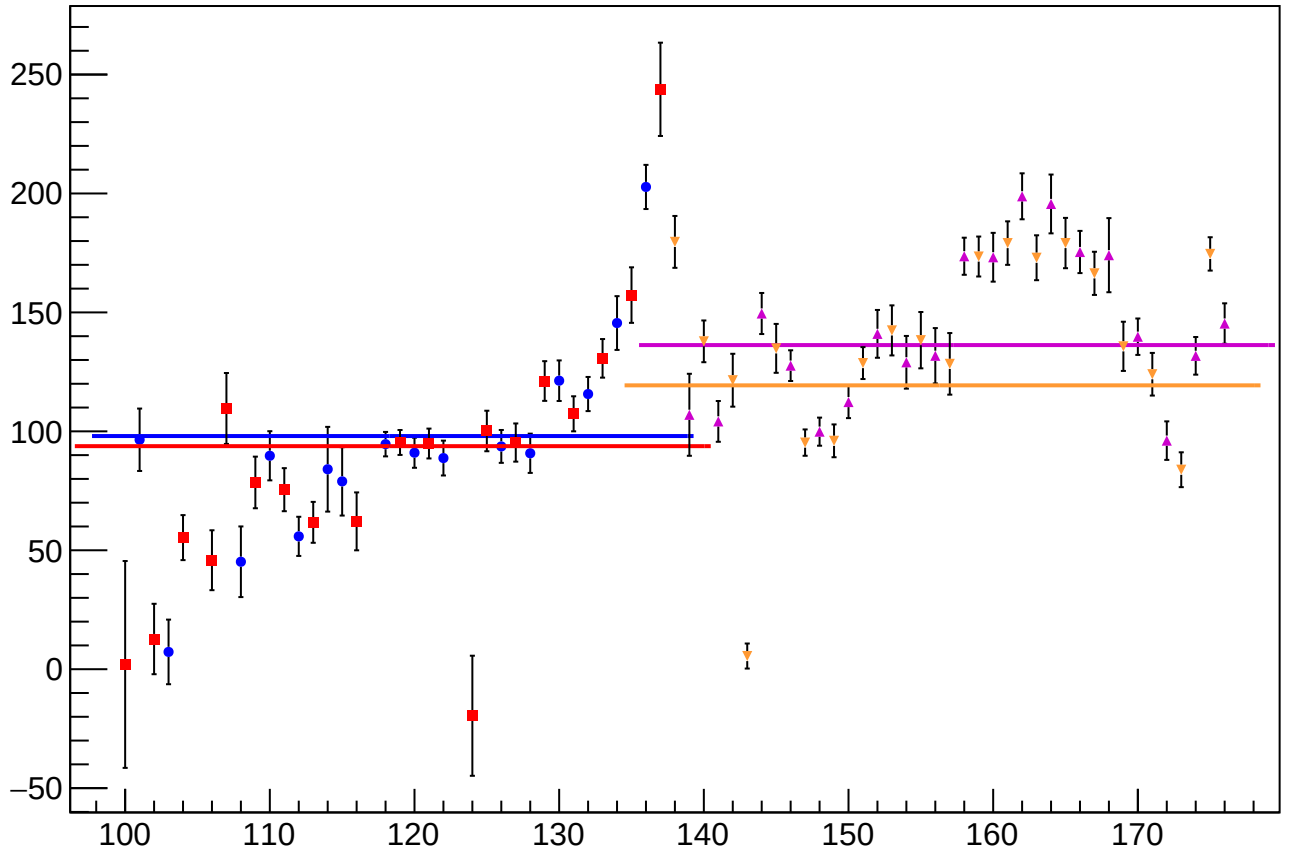
Left: 404.210+/-1.637 χ^2/NDF: 8116.4/38

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 404.047+/-1.579 χ^2/NDF:3931.7/34

Out: 368.989+/-1.514 χ^2/NDF:10155.4/38

All: 385.779+/-1.093 χ^2/NDF: 14343.9/73



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.334+/-1.850 χ^2/NDF:808.9/19

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 136.265+/-1.990 χ^2/NDF:224.8/18

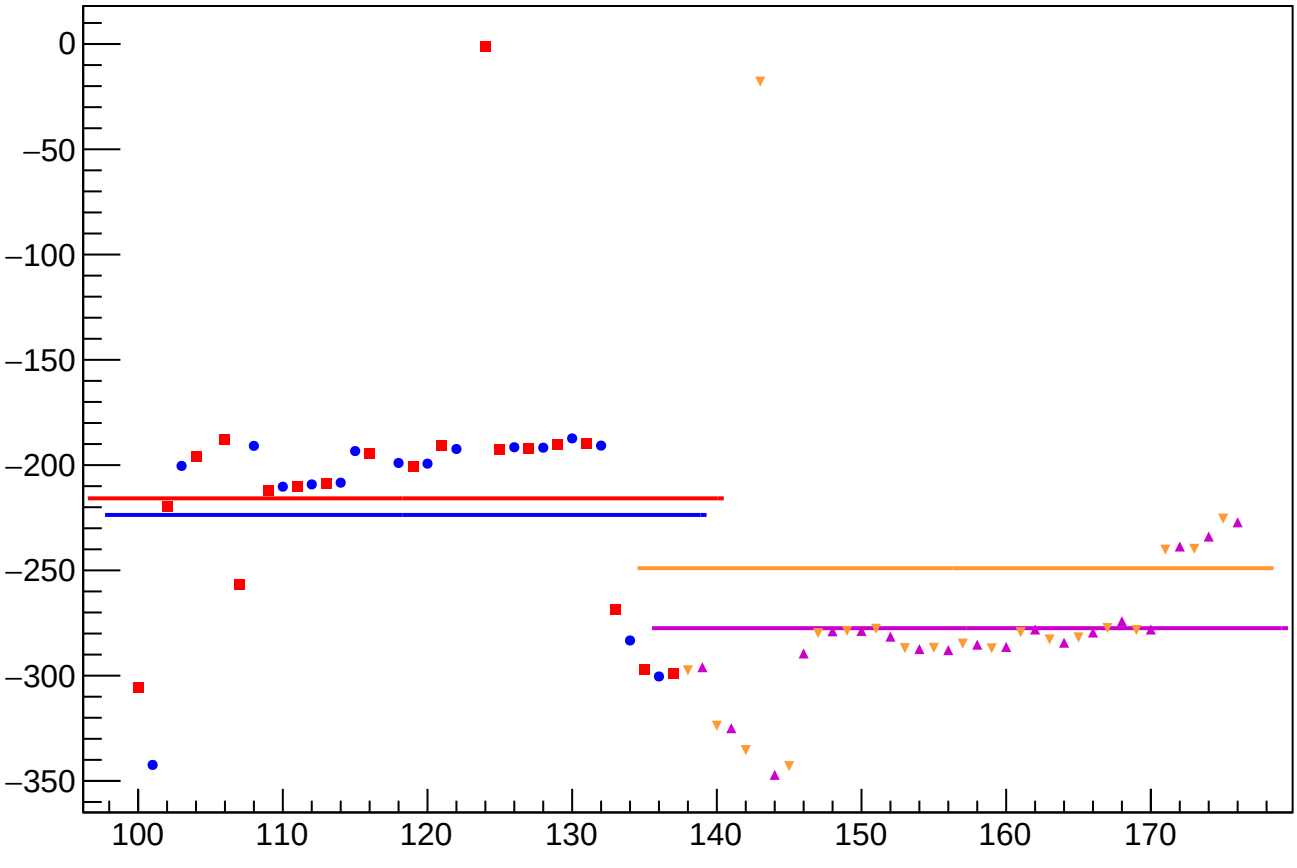
Left: 127.182+/-1.355 χ^2/NDF: 1072.6/38

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 118.567+/-1.459 χ^2/NDF:645.2/34

Out: 108.394+/-1.399 χ^2/NDF:1127.8/38

All: 113.268+/-1.010 χ^2/NDF: 1798.4/73



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -248.963+/-0.088 χ^2/NDF:979179.1/19

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -277.451+/-0.091 χ^2/NDF:90961.0/18

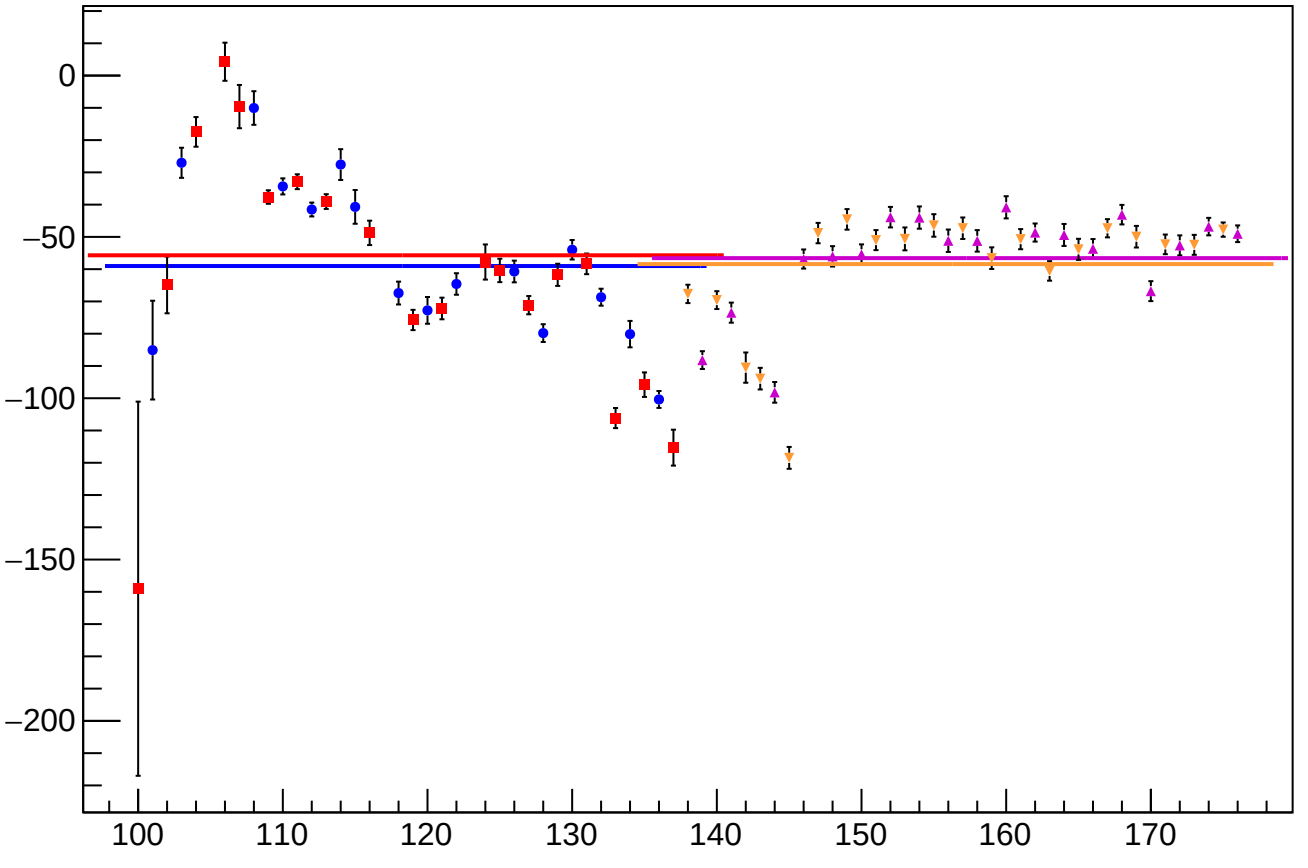
Left: -262.738+/-0.063 χ^2/NDF: 1121288.7/38

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -261.317+/-0.076 χ^2/NDF:318383.7/34

Out: -239.065+/-0.073 χ^2/NDF:1103483.0/38

All: -249.837+/-0.053 χ^2/NDF: 1466398.1/73



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -58.425+/-0.697 χ^2/NDF:623.7/19

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -56.577+/-0.704 χ^2/NDF:451.5/18

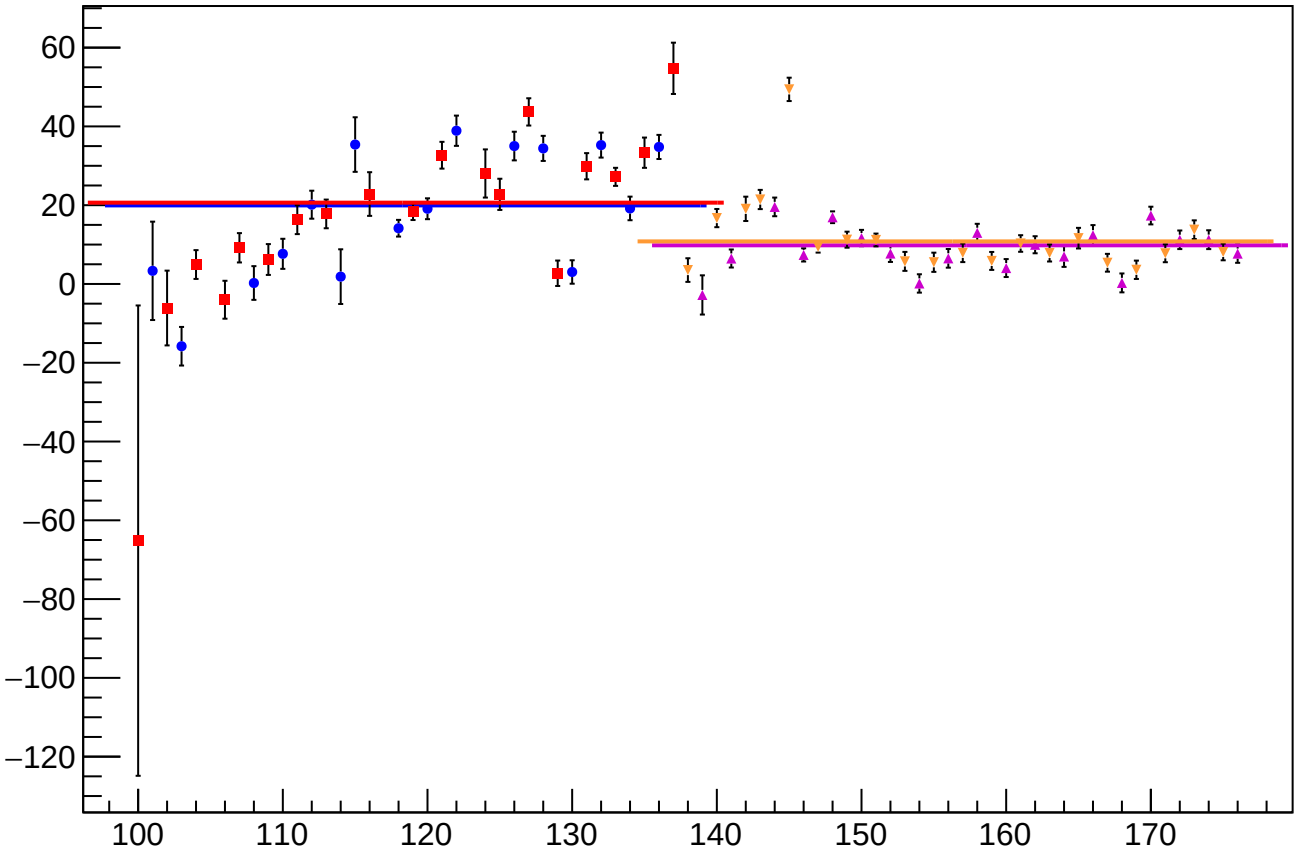
Left: -57.510+/-0.495 χ^2/NDF: 1078.7/38

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -57.604+/-0.537 χ^2/NDF:1183.9/34

Out: -57.232+/-0.523 χ^2/NDF:1671.5/38

All: -57.413+/-0.374 χ^2/NDF: 2855.7/73



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.808+/-0.497 χ^2/NDF:246.8/19

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.813+/-0.511 χ^2/NDF:110.5/18

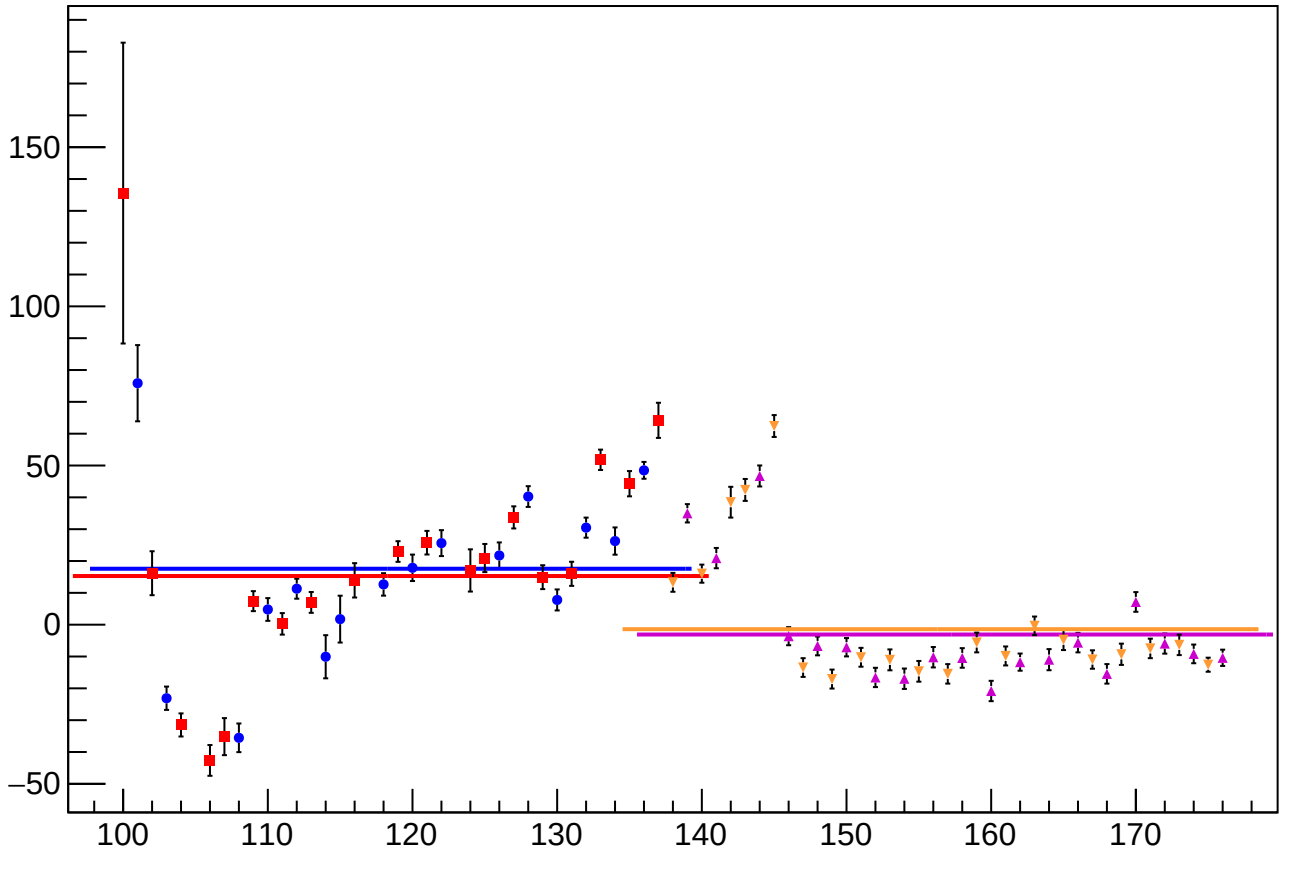
Left: 10.325+/-0.356 χ^2/NDF: 359.3/38

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.424+/-0.440 χ^2/NDF:459.0/34

Out: 13.338+/-0.428 χ^2/NDF:572.5/38

All: 12.894+/-0.307 χ^2/NDF: 1033.7/73



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -1.415+/-0.685 χ^2/NDF:795.5/19

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -3.093+/-0.691 χ^2/NDF:600.2/18

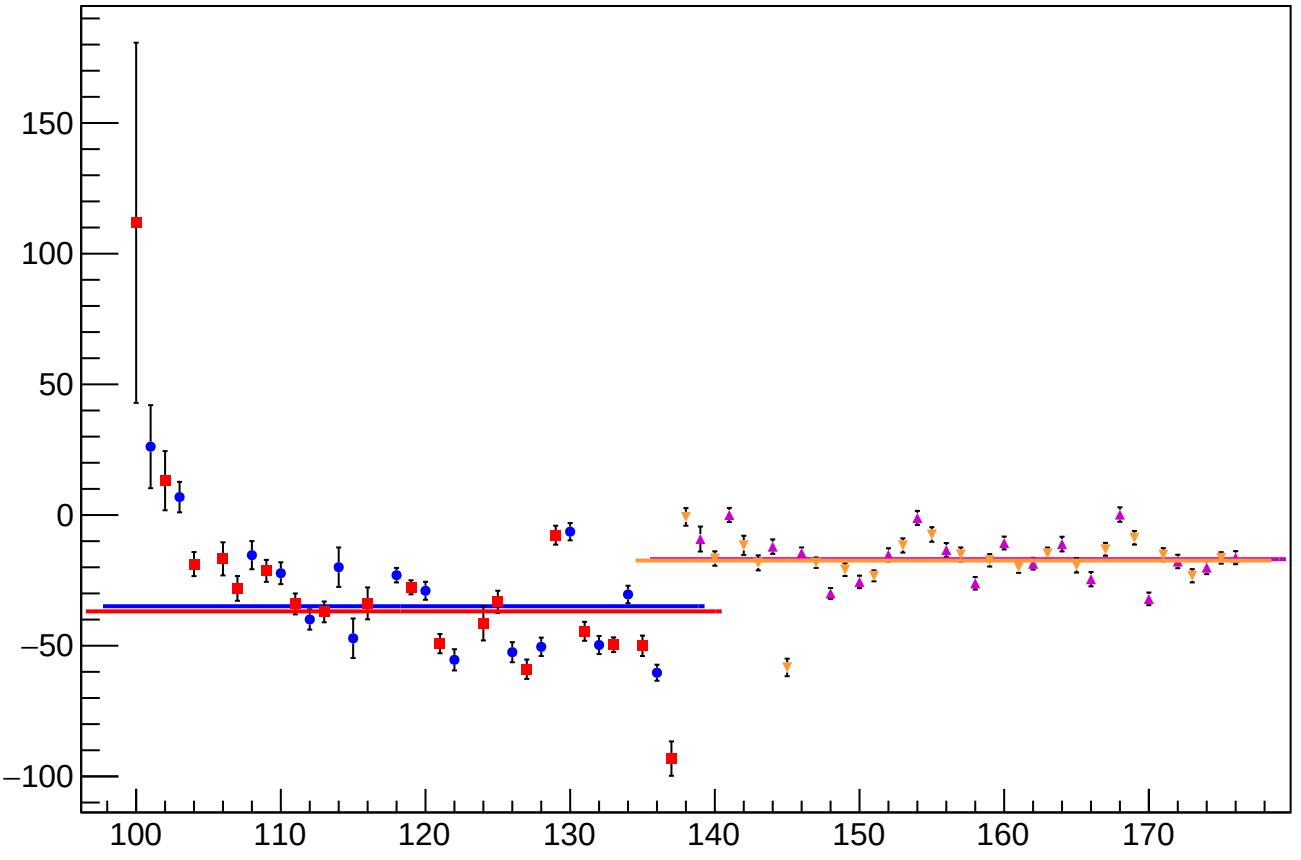
Left: -2.246+/-0.487 χ^2/NDF: 1398.7/38

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 3.999+/-0.560 χ^2/NDF:1453.0/34

Out: 4.423+/-0.552 χ^2/NDF:1733.4/38

All: 4.214+/-0.393 χ^2/NDF: 3186.7/73



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.417+/-0.570 χ^2/NDF:227.1/19

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.888+/-0.584 χ^2/NDF:247.7/18

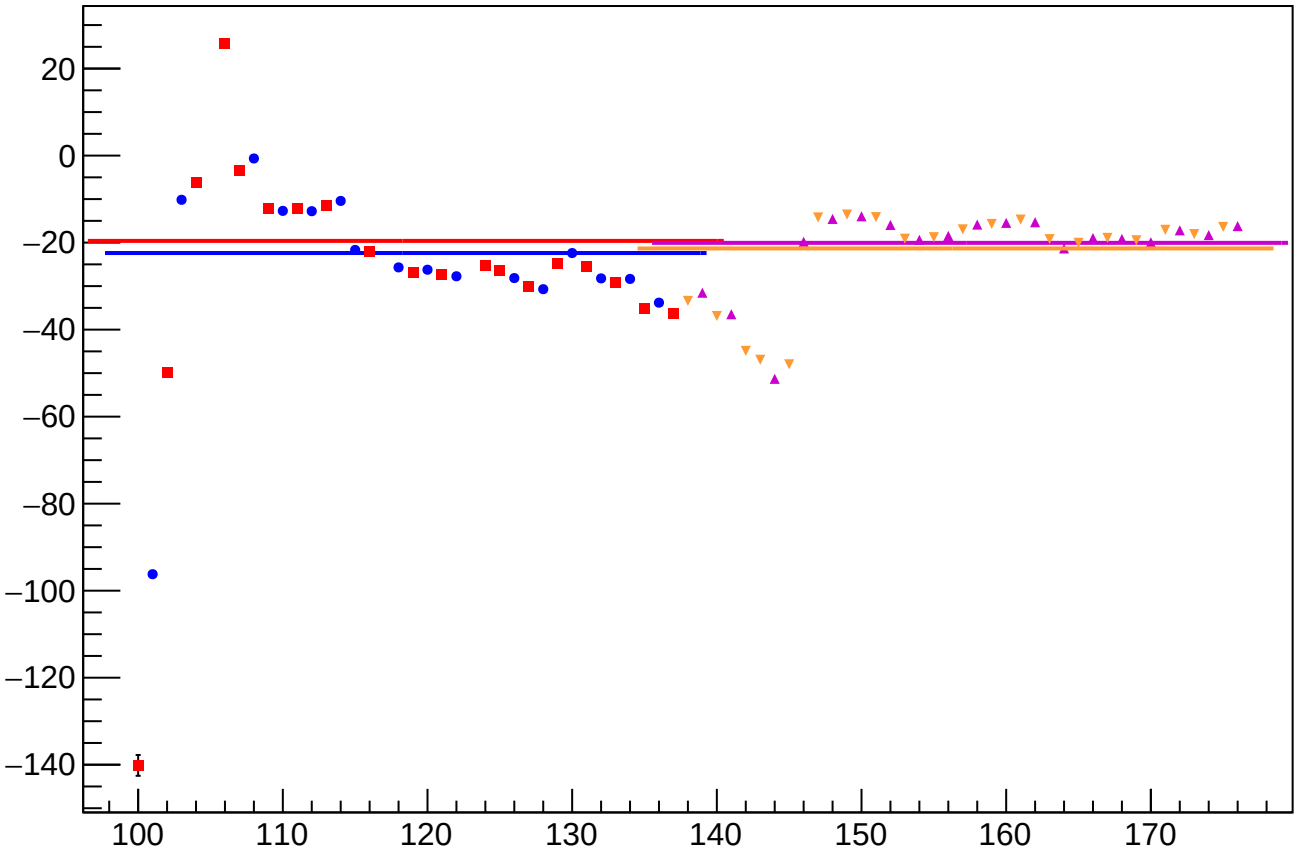
Left: -17.159+/-0.408 χ^2/NDF: 475.2/38

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.533+/-0.503 χ^2/NDF:839.8/34

Out: -22.406+/-0.491 χ^2/NDF:827.3/38

All: -21.980+/-0.351 χ^2/NDF: 1668.6/73



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.342+/-0.026 χ^2/NDF:137397.6/19

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.054+/-0.026 χ^2/NDF:87843.3/18

Left: -20.692+/-0.018 χ^2/NDF: 226492.4/38

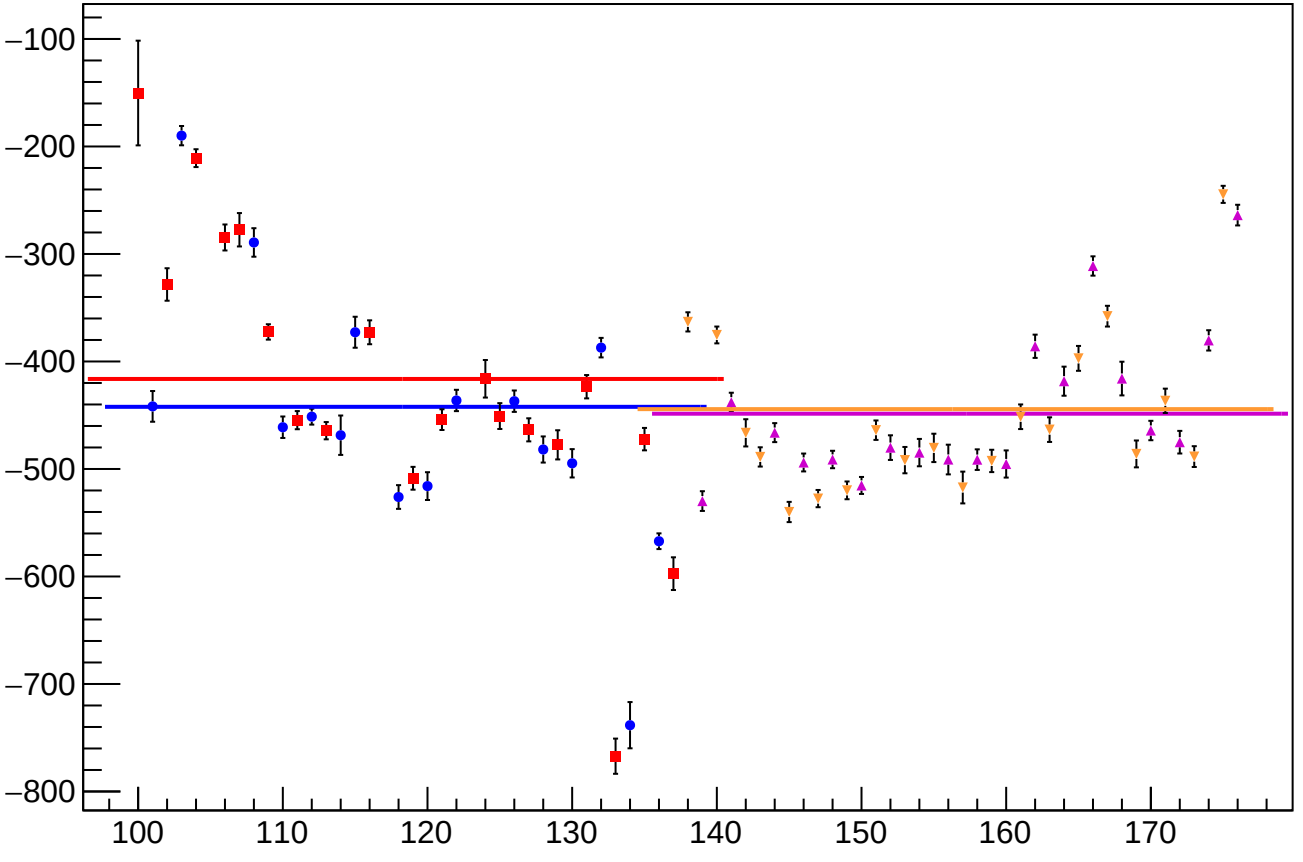
Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.433+/-0.023 χ^2/NDF:135713.1/34

Out: -21.066+/-0.024 χ^2/NDF:221981.2/38

All: -20.746+/-0.017 χ^2/NDF: 358053.9/73

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -444.326+/-2.227 χ^2/NDF:1319.8/19

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -448.583+/-2.275 χ^2/NDF:979.5/18

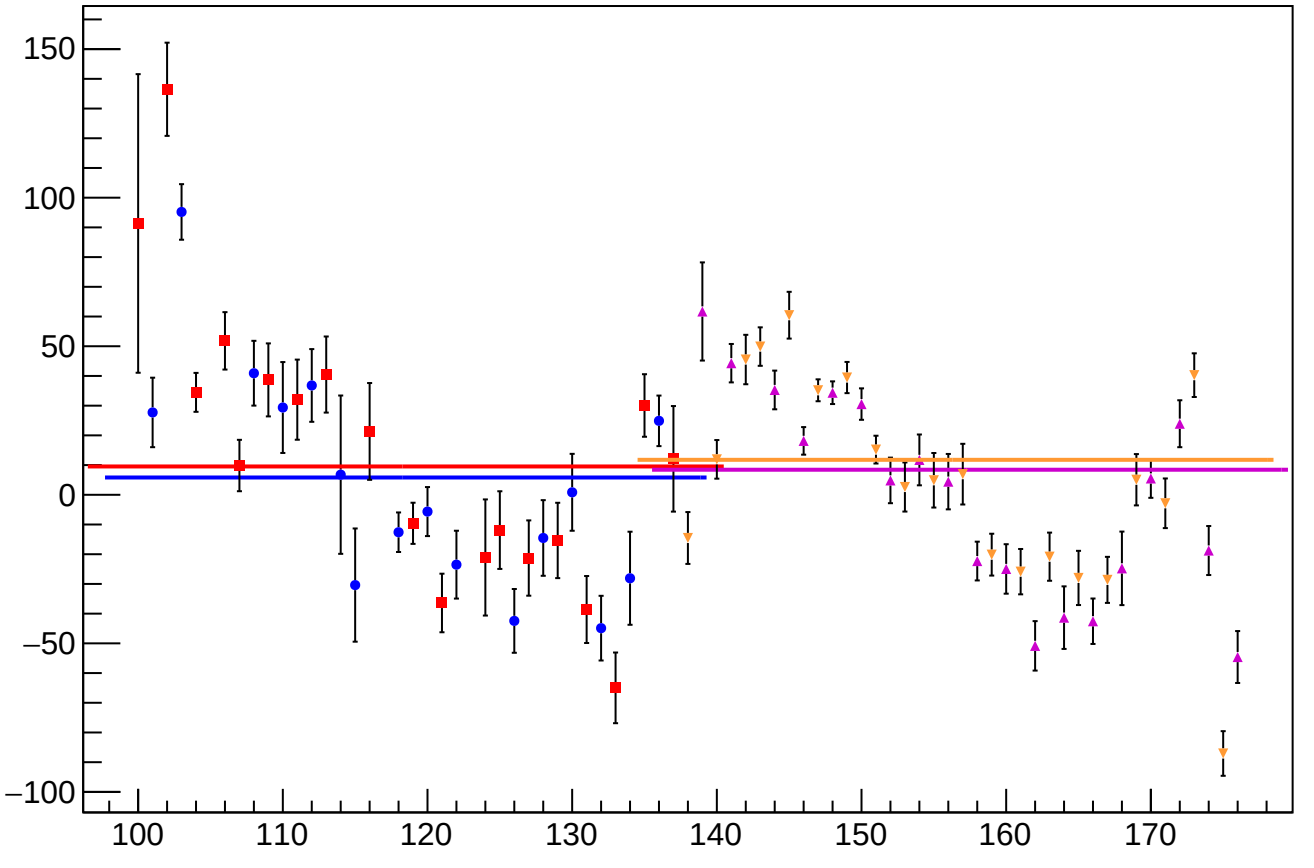
Left: -446.409+/-1.591 χ^2/NDF: 2301.2/38

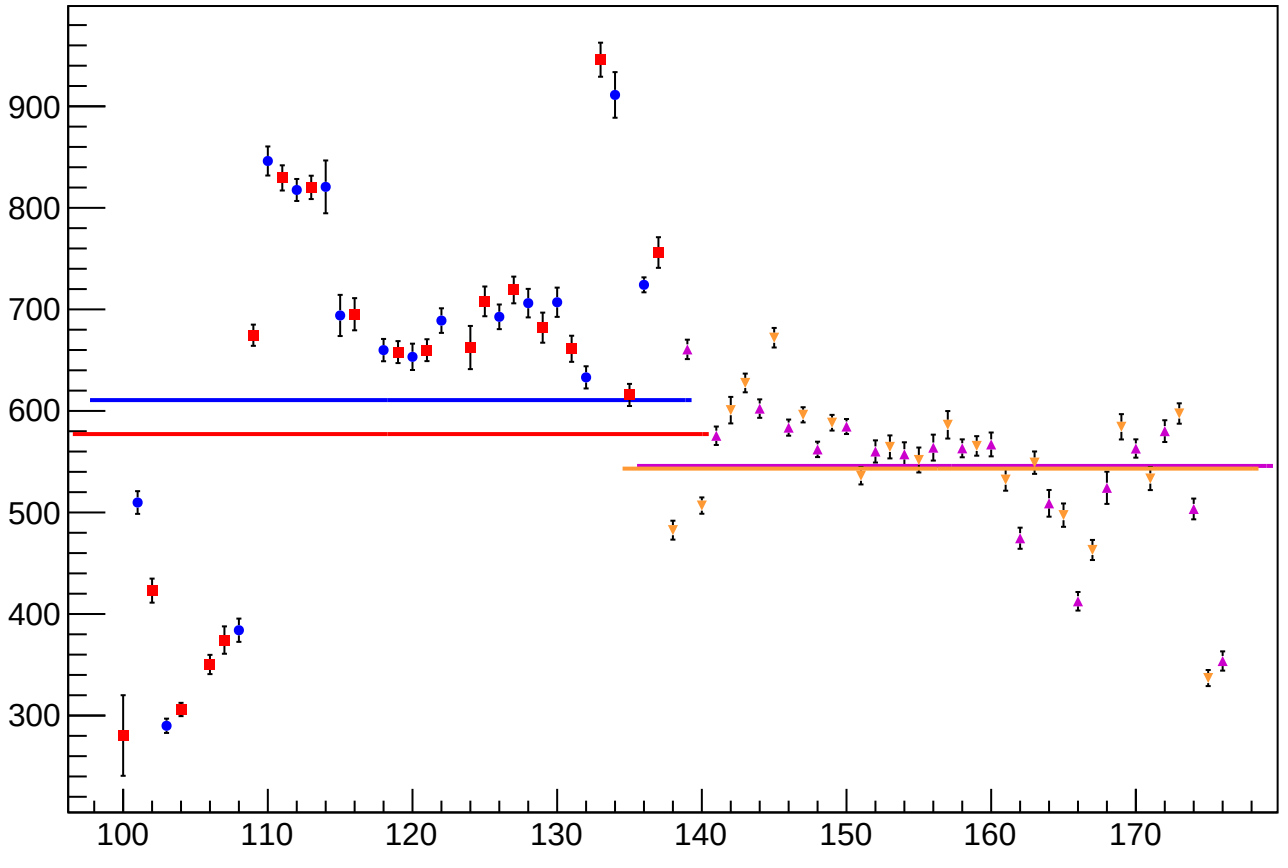
Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -445.904+/-1.735 χ^2/NDF:2571.9/34

Out: -432.034+/-1.669 χ^2/NDF:3143.2/38

All: -438.702+/-1.203 χ^2/NDF: 5748.4/73


reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 5.824+/-2.728 χ²/NDF: 188.1/15
Left Out: 11.772+/-1.528 χ²/NDF:468.1/19
Right Out: 9.536+/-2.556 χ²/NDF: 222.2/18
Left In: 8.436+/-1.588 χ²/NDF:356.7/18
Left: 10.168+/-1.101 χ²/NDF: 827.1/38
Right: 7.800+/-1.865 χ²/NDF: 411.3/34
In: 7.775+/-1.373 χ²/NDF:545.5/34
Out: 11.183+/-1.312 χ²/NDF:690.8/38
All: 9.556+/-0.948 χ²/NDF: 1239.6/73



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 543.182+/-2.189 χ^2/NDF:1251.1/19

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 545.832+/-2.230 χ^2/NDF:969.6/18

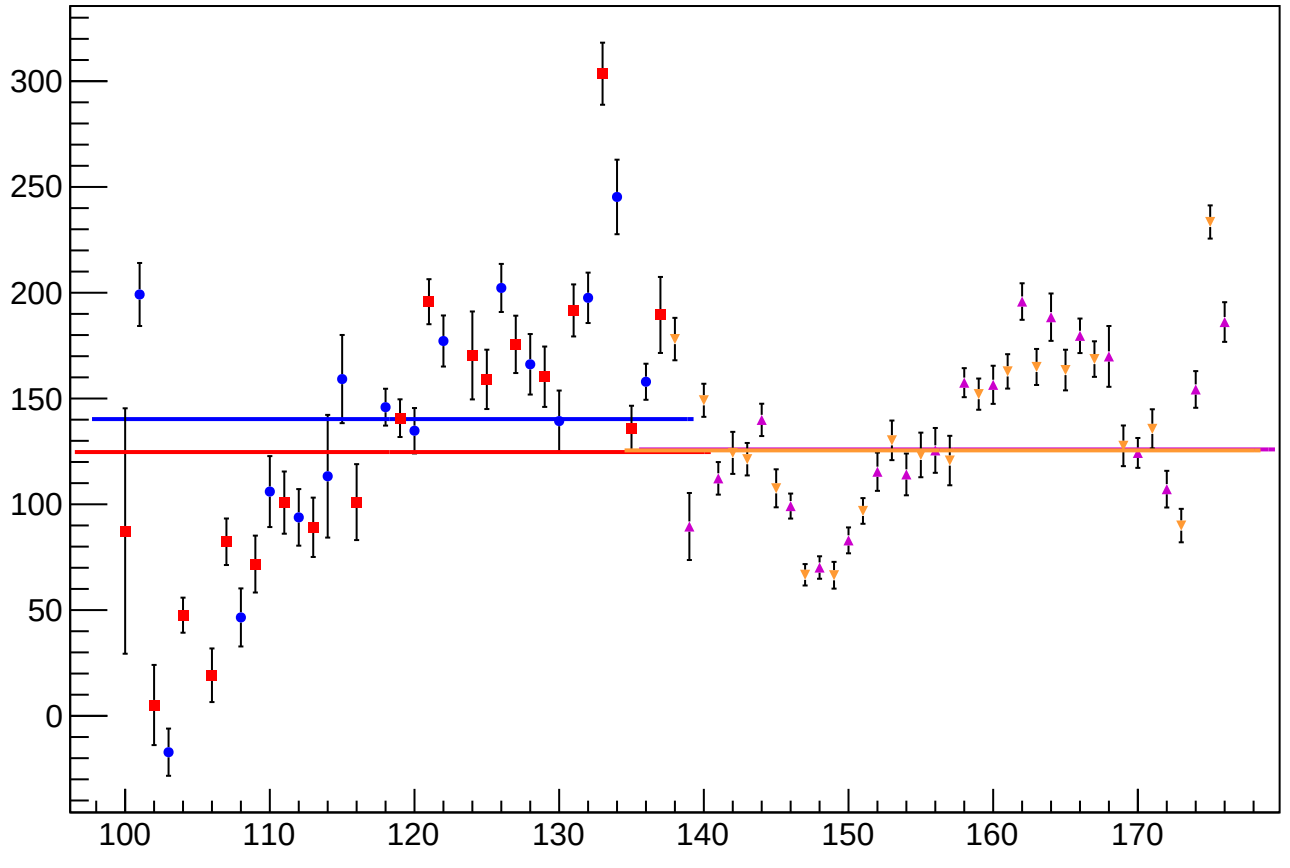
Left: 544.482+/-1.562 χ^2/NDF: 2221.4/38

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 570.009+/-1.766 χ^2/NDF:5177.2/34

Out: 556.349+/-1.714 χ^2/NDF:6144.9/38

All: 562.974+/-1.230 χ^2/NDF: 11353.0/73



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.488+/-1.791 χ^2/NDF:594.0/19

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 125.940+/-1.848 χ^2/NDF:433.4/18

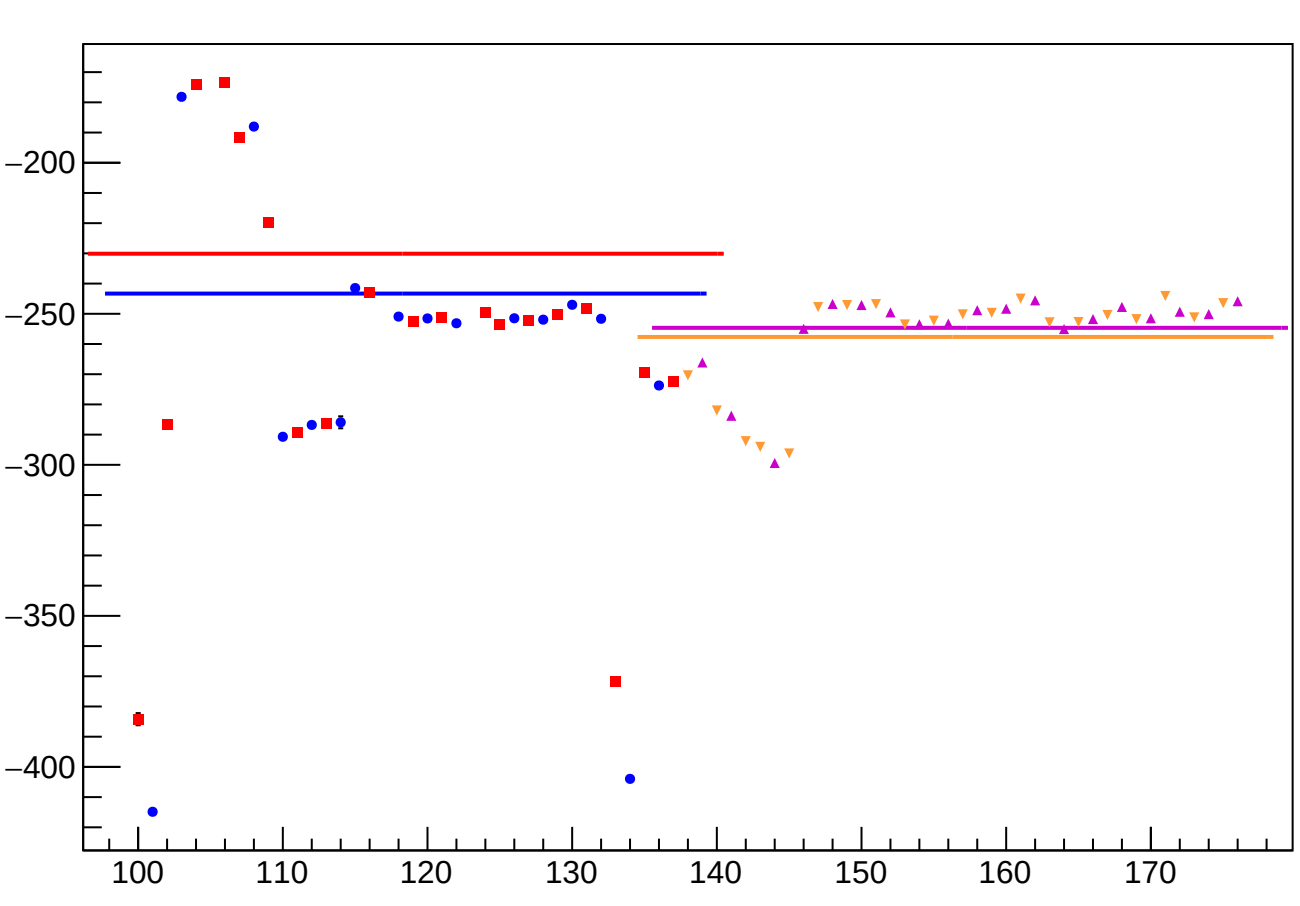
Left: 125.707+/-1.286 χ^2/NDF: 1027.5/38

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 129.609+/-1.594 χ^2/NDF:834.2/34

Out: 125.278+/-1.535 χ^2/NDF:1102.6/38

All: 127.361+/-1.106 χ^2/NDF: 1940.7/73



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.664+/-0.085 χ^2/NDF:37634.7/19

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -254.647+/-0.085 χ^2/NDF:23134.1/18

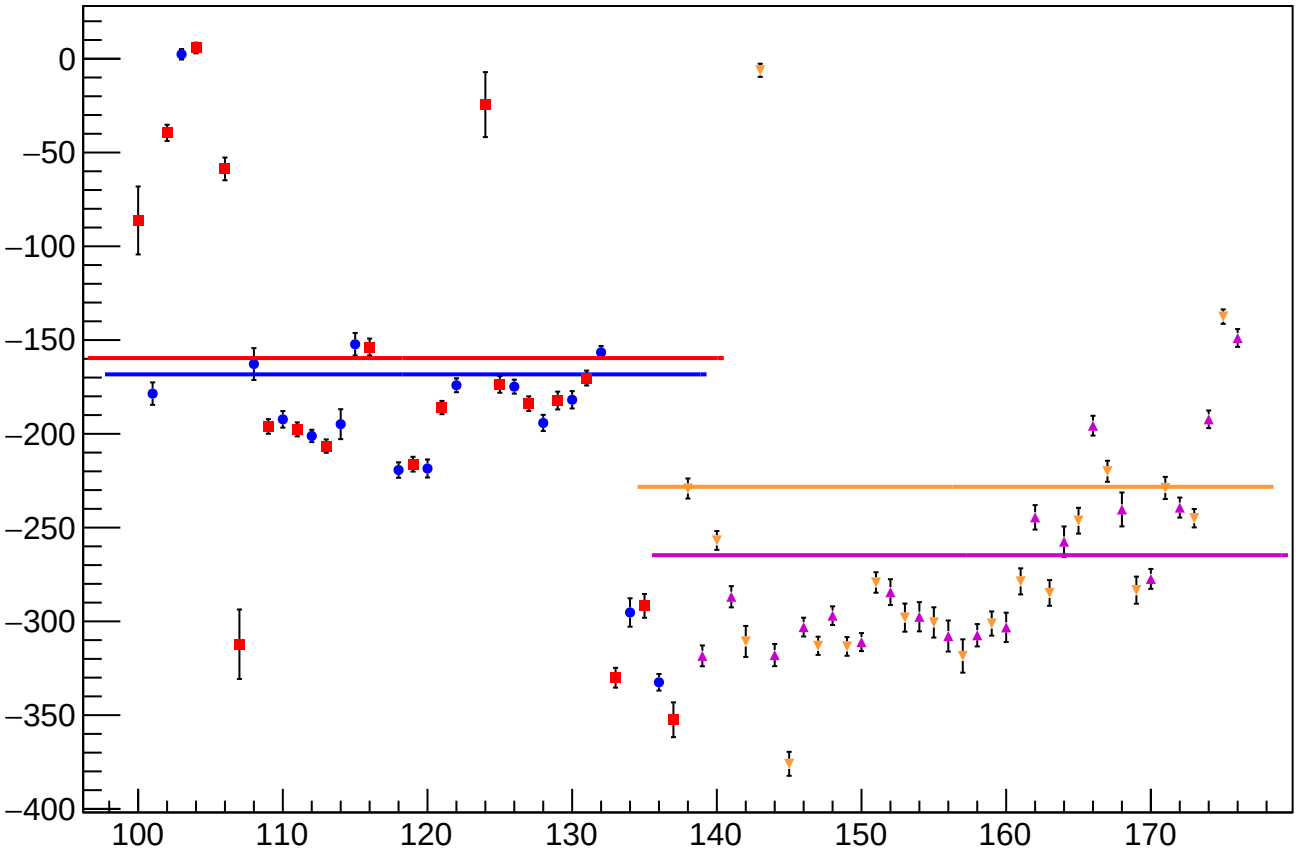
Left: -256.151+/-0.060 χ^2/NDF: 61403.8/38

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.232+/-0.075 χ^2/NDF:200453.3/34

Out: -251.467+/-0.075 χ^2/NDF:163849.6/38

All: -251.847+/-0.053 χ^2/NDF: 364355.3/73



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.265+/-1.257 χ^2/NDF:6507.1/19

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -264.703+/-1.337 χ^2/NDF:1561.1/18

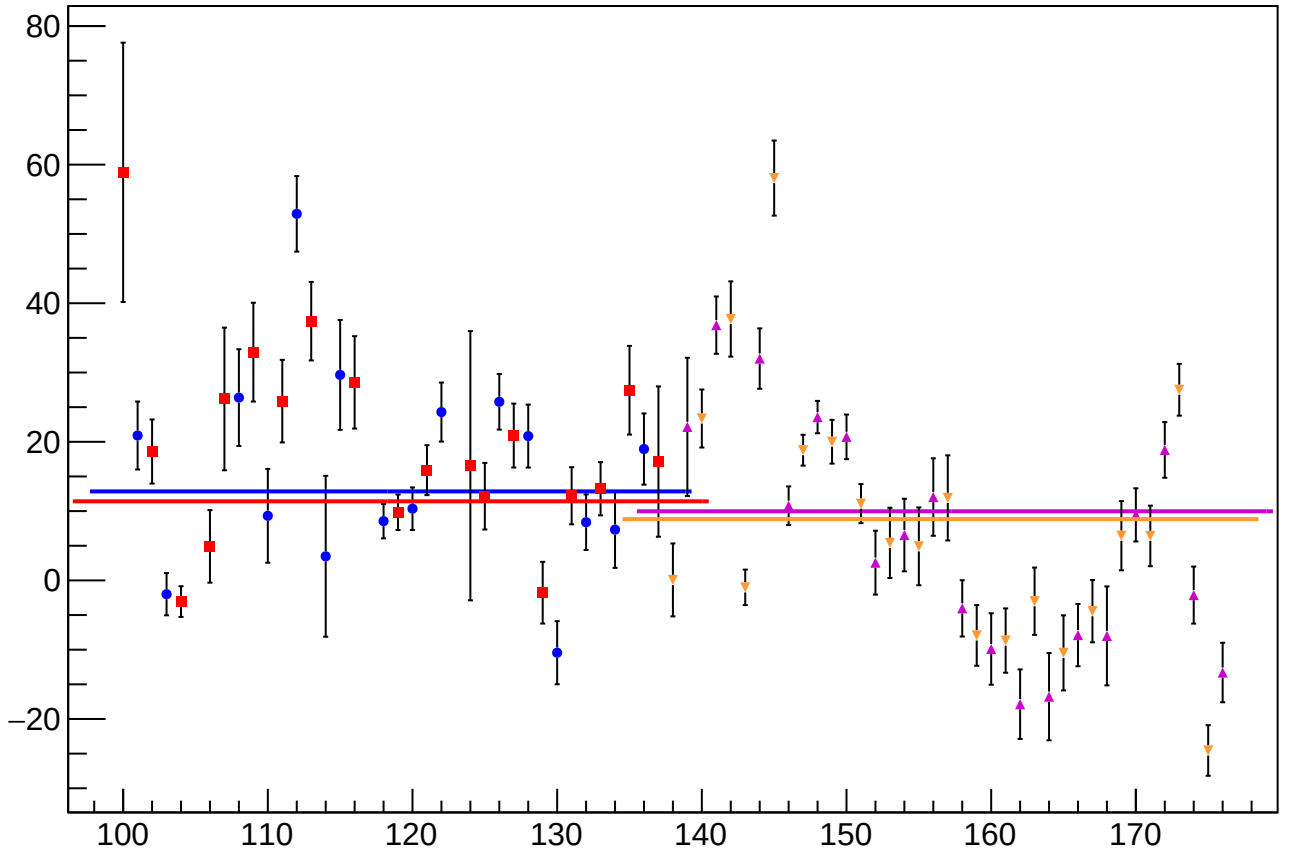
Left: -245.371+/-0.916 χ^2/NDF: 8462.4/38

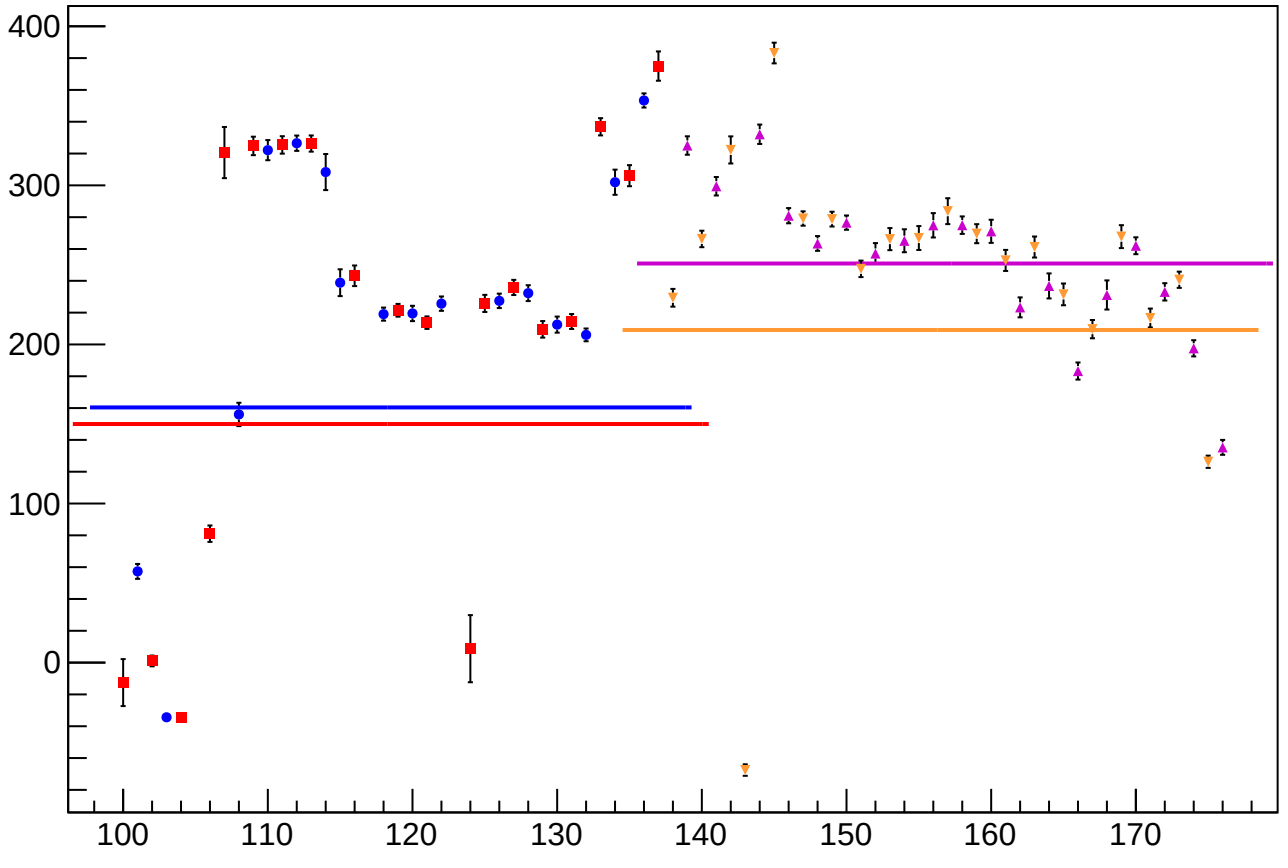
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -206.186+/-0.838 χ^2/NDF:10625.7/34

Out: -187.565+/-0.802 χ^2/NDF:15472.3/38

All: -196.471+/-0.580 χ^2/NDF: 26355.6/73


reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 12.842+/-1.076 χ²/NDF: 143.7/15
Left Out: 8.843+/-0.876 χ²/NDF:340.1/19
Right Out: 11.414+/-1.035 χ²/NDF: 119.6/18
Left In: 9.974+/-0.945 χ²/NDF:258.1/18
Left: 9.366+/-0.642 χ²/NDF: 599.0/38
Right: 12.100+/-0.746 χ²/NDF: 264.2/34
In: 11.221+/-0.710 χ²/NDF:405.8/34
Out: 9.916+/-0.669 χ²/NDF:463.2/38
All: 10.530+/-0.487 χ²/NDF: 870.8/73



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 209.091+/-1.242 χ^2/NDF:8419.6/19

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 250.883+/-1.314 χ^2/NDF:1450.3/18

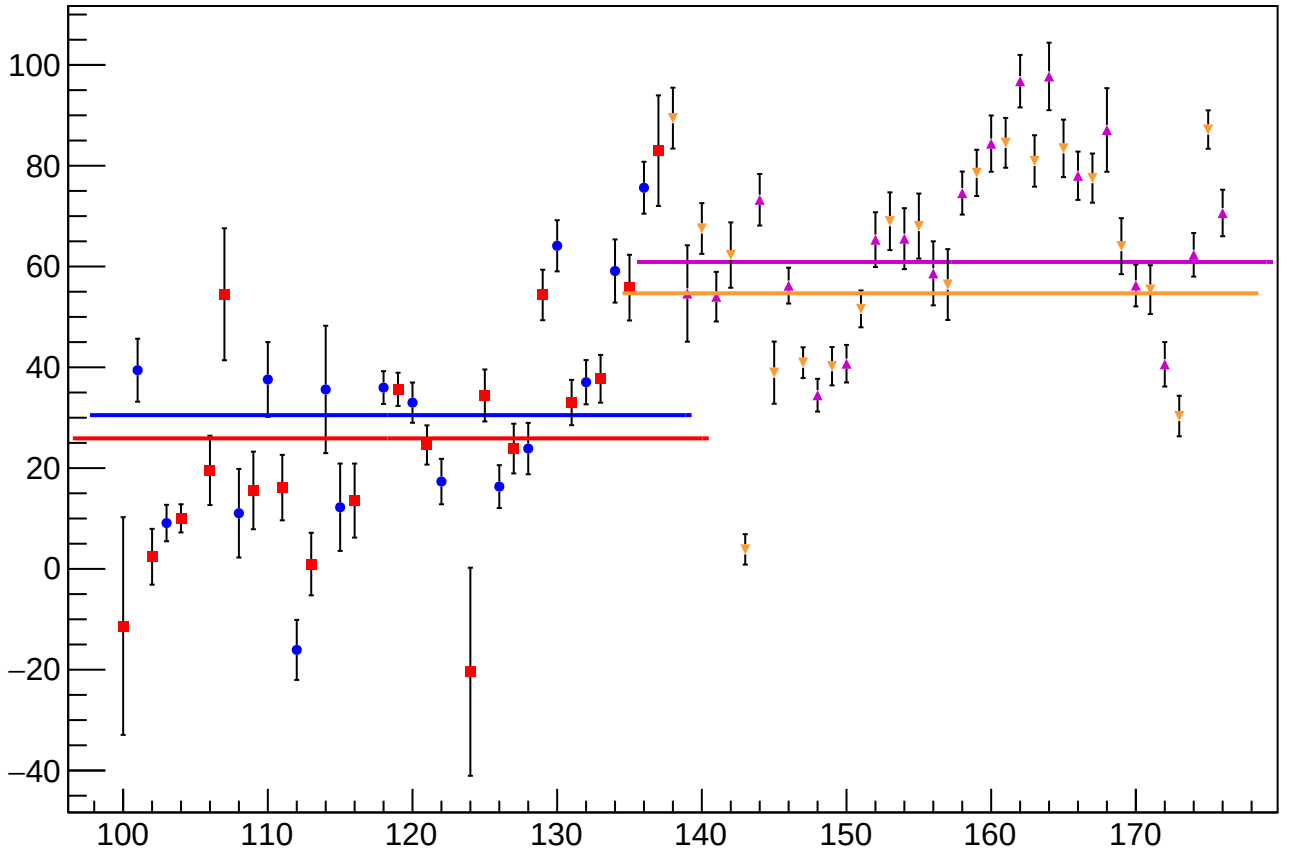
Left: 228.798+/-0.903 χ^2/NDF: 10404.1/38

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 199.207+/-0.861 χ^2/NDF:18106.0/34

Out: 176.147+/-0.826 χ^2/NDF:25947.9/38

All: 187.204+/-0.596 χ^2/NDF: 44427.5/73



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.687+/-1.022 χ^2/NDF:626.9/19

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.906+/-1.093 χ^2/NDF:262.2/18

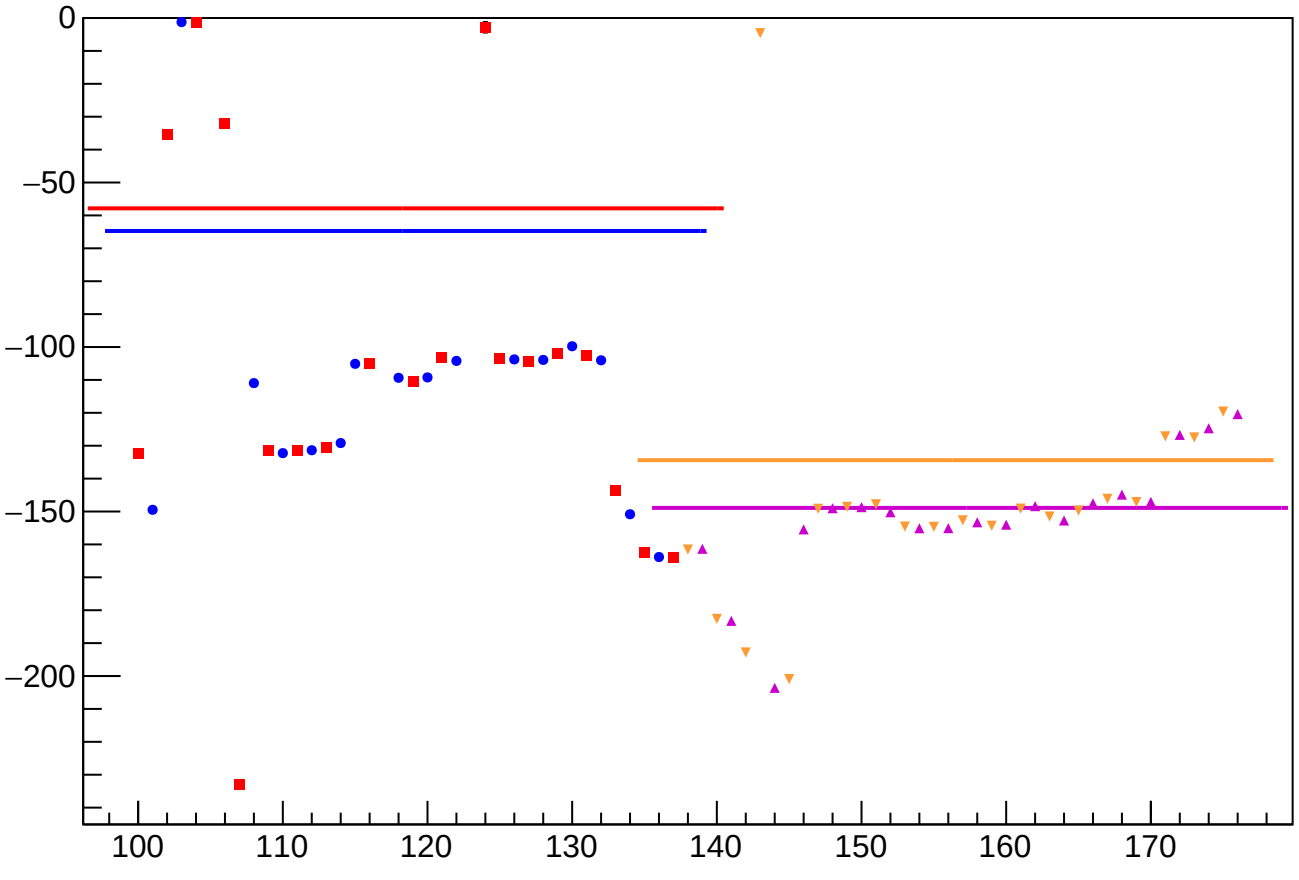
Left: 57.586+/-0.747 χ^2/NDF: 906.3/38

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 47.783+/-0.824 χ^2/NDF:872.7/34

Out: 42.741+/-0.781 χ^2/NDF:1144.0/38

All: 45.128+/-0.567 χ^2/NDF: 2036.5/73



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.393+/-0.048 χ^2/NDF:973758.7/19

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -148.897+/-0.050 χ^2/NDF:121165.4/18

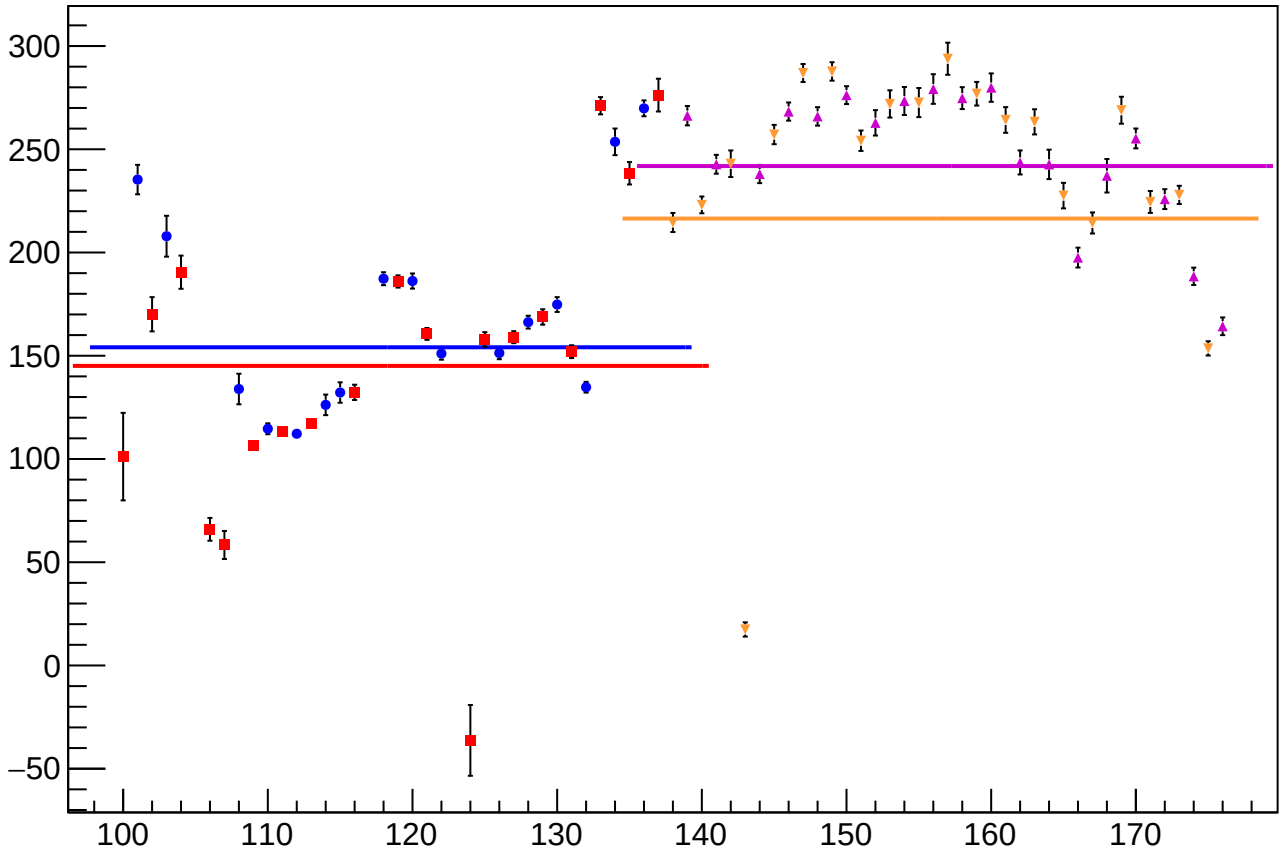
Left: -141.445+/-0.035 χ^2/NDF: 1138762.9/38

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.139+/-0.039 χ^2/NDF:2249708.1/34

Out: -105.570+/-0.038 χ^2/NDF:2795061.1/38

All: -111.198+/-0.027 χ^2/NDF: 5089530.6/73



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 216.442+/-1.114 χ^2/NDF:4873.5/19

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 241.864+/-1.170 χ^2/NDF:879.3/18

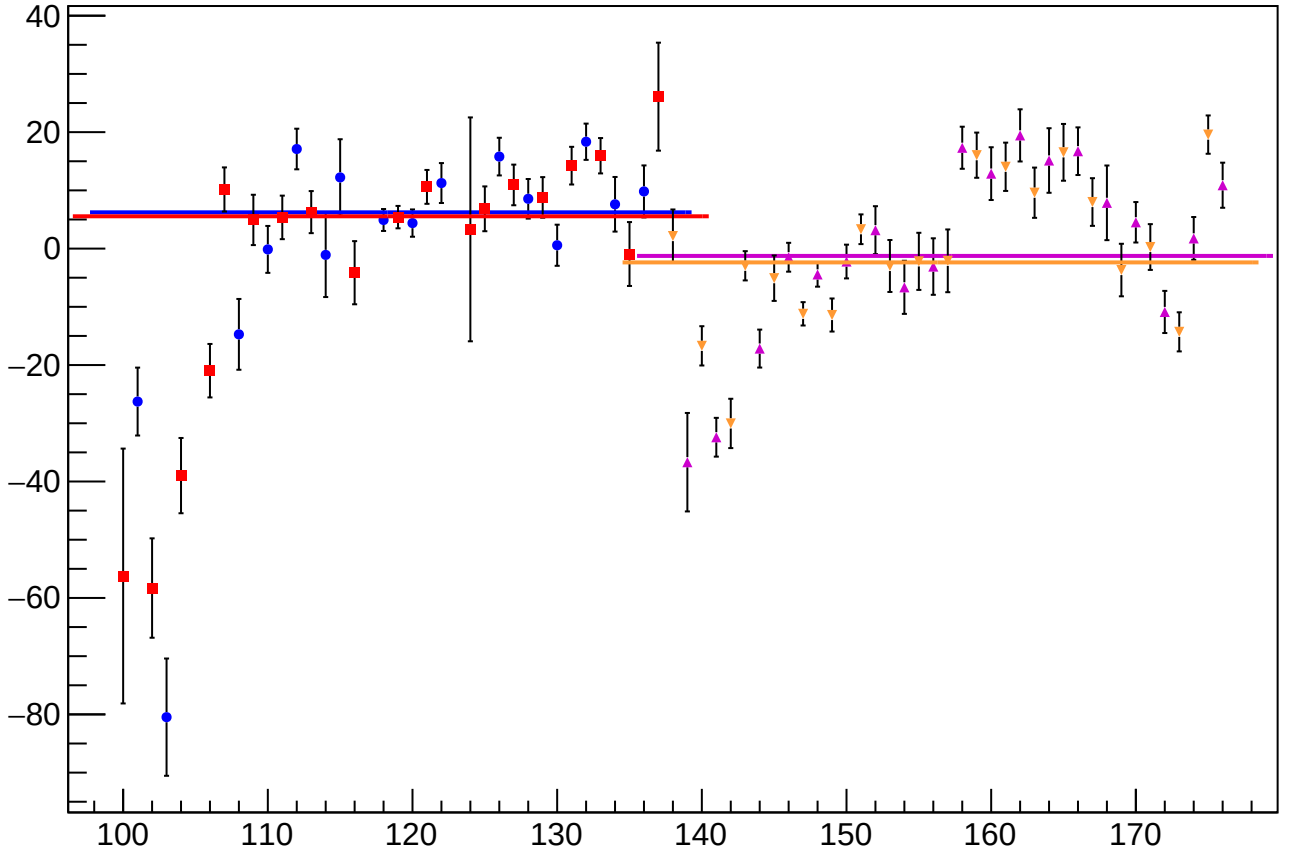
Left: 228.525+/-0.807 χ^2/NDF: 6000.3/38

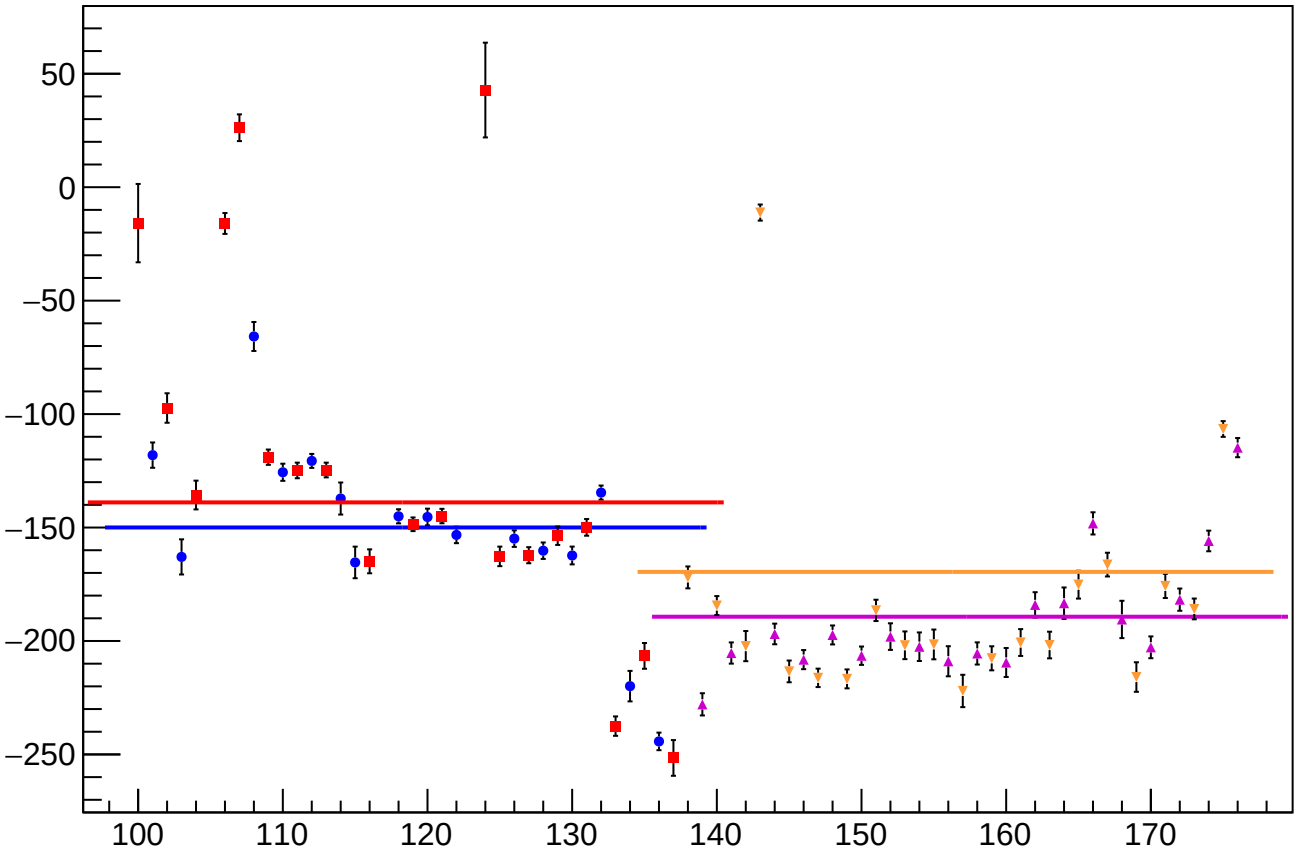
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 185.290+/-0.698 χ^2/NDF:6785.0/34

Out: 170.399+/-0.664 χ^2/NDF:10479.5/38

All: 177.470+/-0.481 χ^2/NDF: 17503.6/73


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: -2.372+/-0.780 χ²/NDF:221.7/19
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -1.257+/-0.831 χ²/NDF:241.9/18
Left: -1.850+/-0.569 χ²/NDF: 464.5/38
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.231+/-0.607 χ²/NDF:441.7/34
Out: 1.072+/-0.586 χ²/NDF:447.7/38
All: 1.631+/-0.422 χ²/NDF: 891.3/73



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.546+/-1.101 χ^2/NDF:3002.2/19

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -189.304+/-1.153 χ^2/NDF:601.8/18

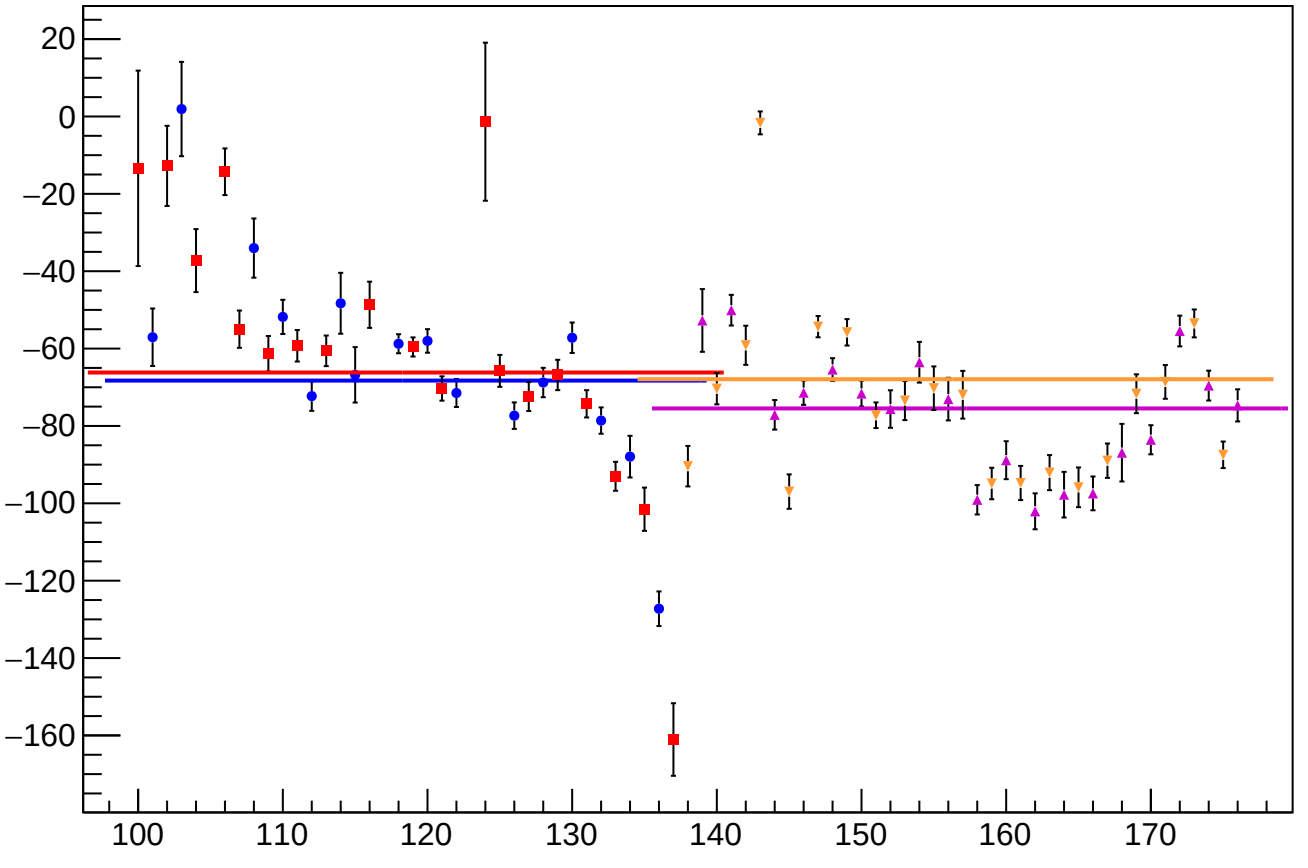
Left: -178.972+/-0.796 χ^2/NDF: 3757.7/38

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -167.351+/-0.766 χ^2/NDF:2351.2/34

Out: -152.661+/-0.738 χ^2/NDF:6179.8/38

All: -159.726+/-0.531 χ^2/NDF: 8721.9/73



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.914+/-0.909 χ^2/NDF:821.9/19

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.476+/-0.962 χ^2/NDF:222.5/18

Left: -71.482+/-0.661 χ^2/NDF: 1077.0/38

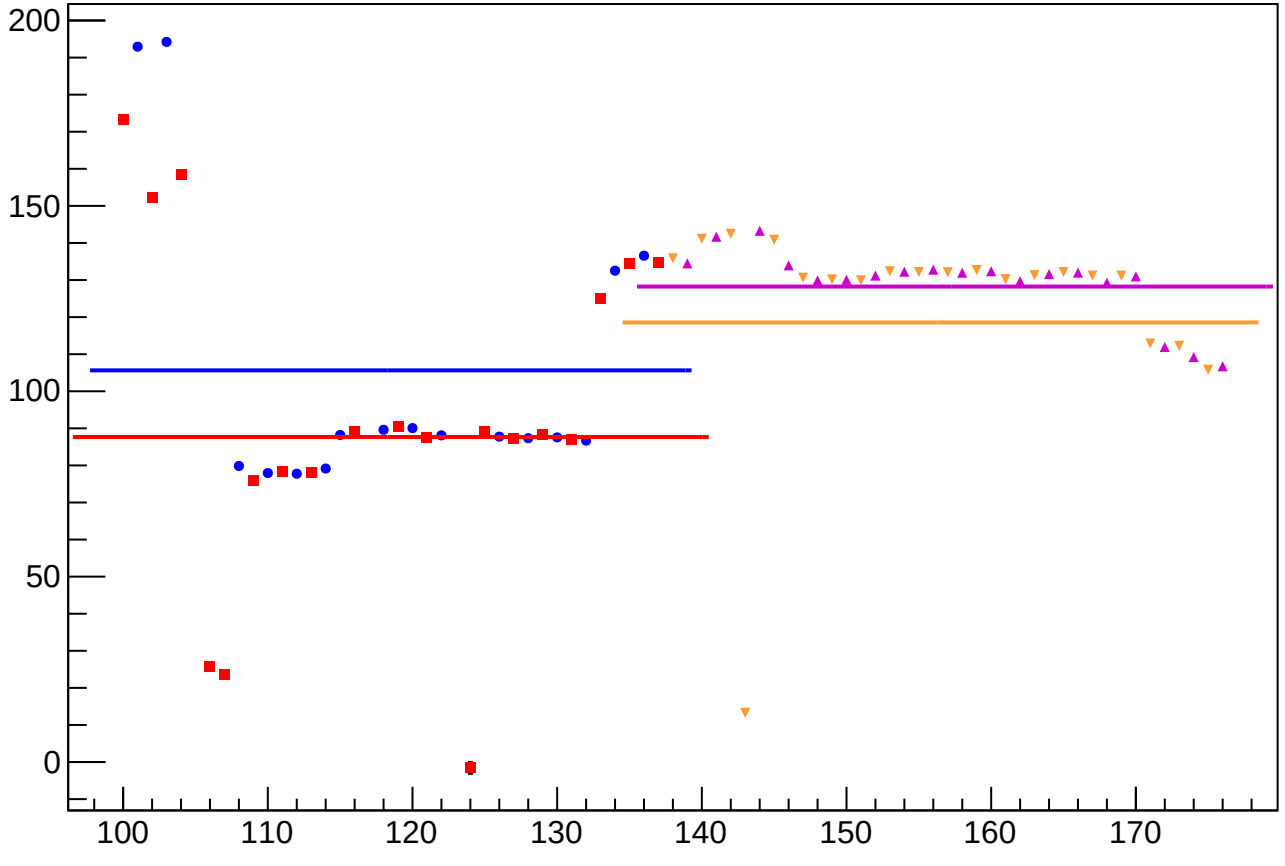
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.131+/-0.704 χ^2/NDF:563.9/34

Out: -67.152+/-0.680 χ^2/NDF:1181.8/38

All: -69.554+/-0.489 χ^2/NDF: 1771.6/73

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.564+/-0.043 χ^2/NDF:613127.1/19

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 128.240+/-0.044 χ^2/NDF:53620.3/18

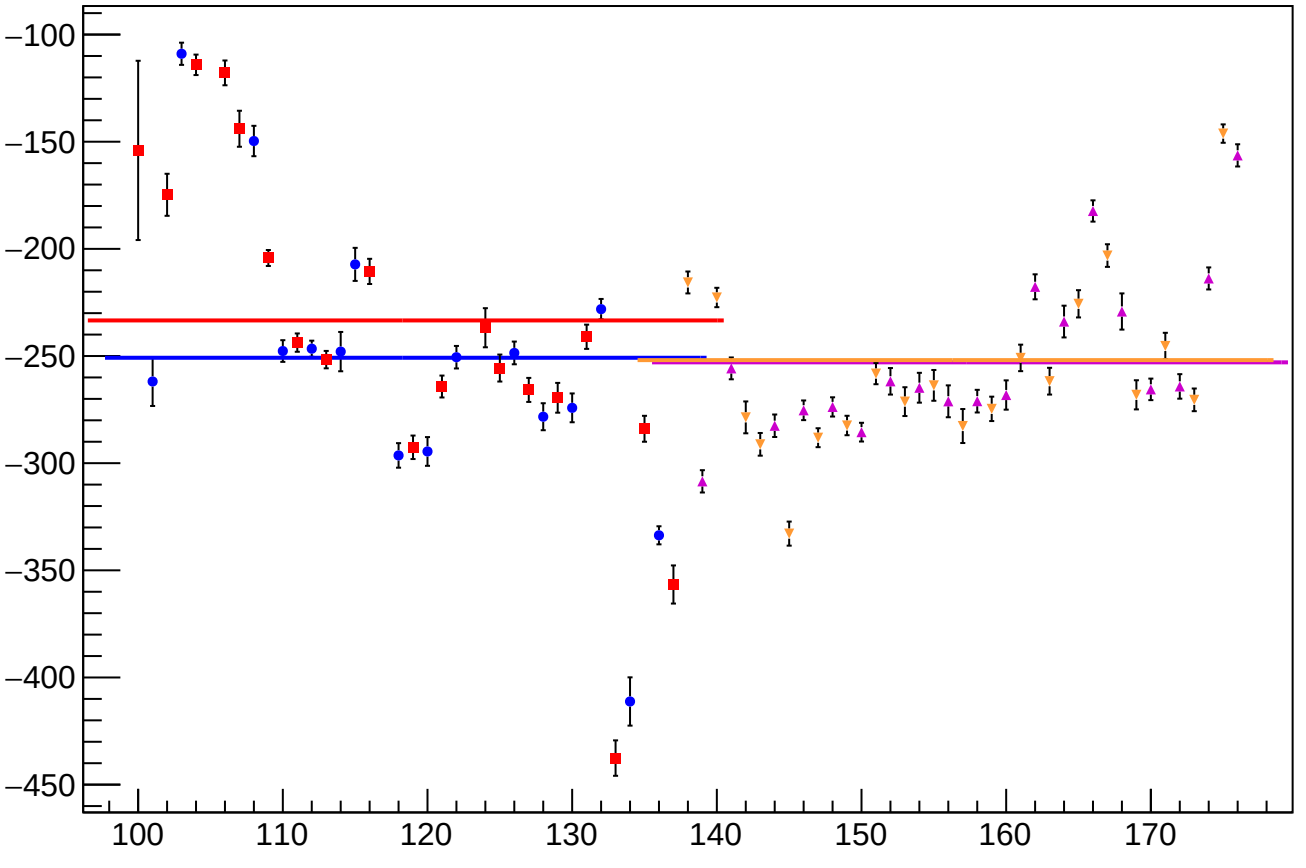
Left: 123.310+/-0.031 χ^2/NDF: 691782.5/38

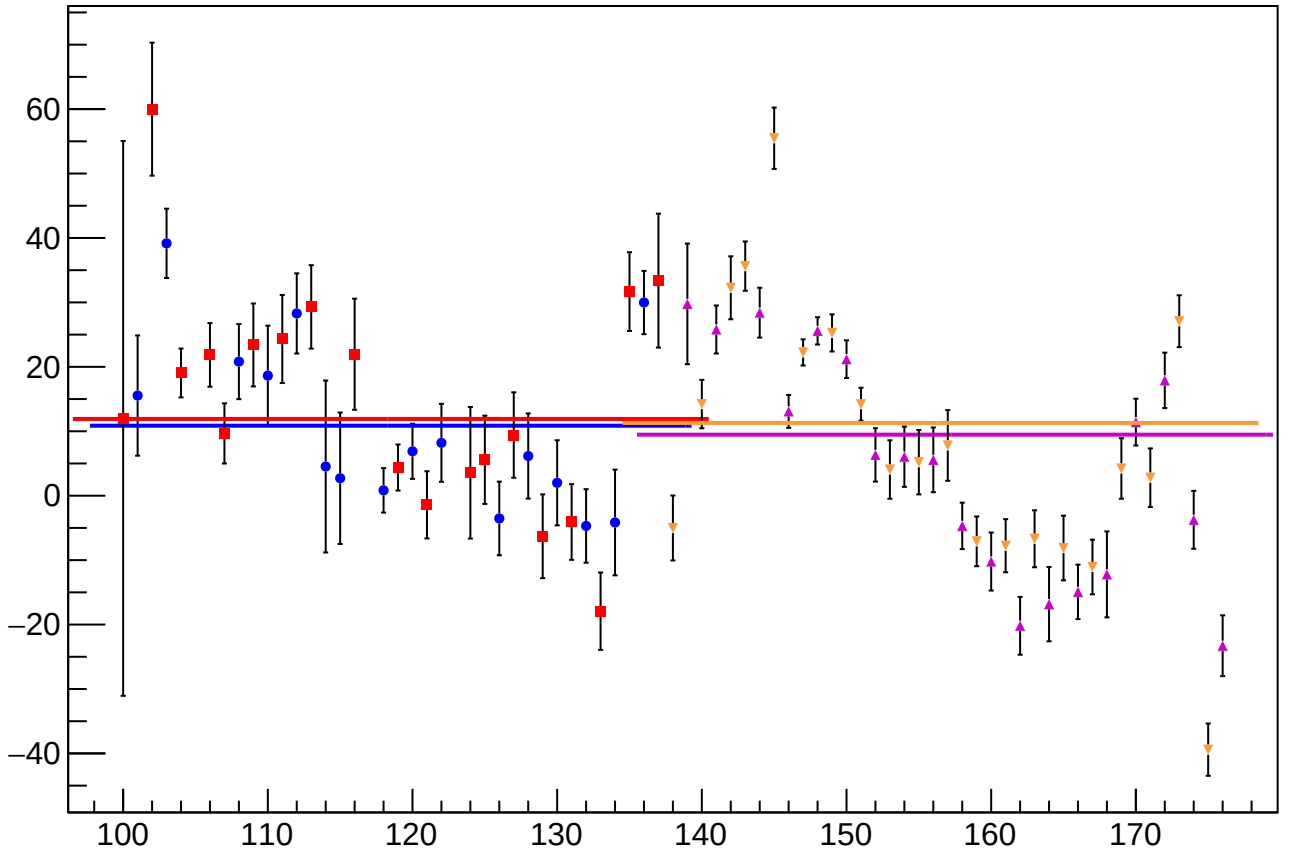
Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.019+/-0.037 χ^2/NDF:367016.2/34

Out: 109.336+/-0.036 χ^2/NDF:1142959.8/38

All: 115.453+/-0.026 χ^2/NDF: 1570275.8/73


reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
160
170
Right In: -250.812+/-1.438 χ²/NDF: 1735.7/15
Left Out: -251.917+/-1.238 χ²/NDF:1254.8/19
Right Out: -233.396+/-1.333 χ²/NDF: 2378.5/18
Left In: -252.954+/-1.259 χ²/NDF:942.5/18
Left: -252.427+/-0.883 χ²/NDF: 2197.7/38
Right: -241.445+/-0.978 χ²/NDF: 4193.1/34
In: -252.024+/-0.947 χ²/NDF:2679.4/34
Out: -243.340+/-0.907 χ²/NDF:3736.9/38
All: -247.494+/-0.655 χ²/NDF: 6460.2/73



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 11.292+/-0.848 χ^2/NDF:495.0/19

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 9.474+/-0.878 χ^2/NDF:329.5/18

Left: 10.415+/-0.610 χ^2/NDF: 826.8/38

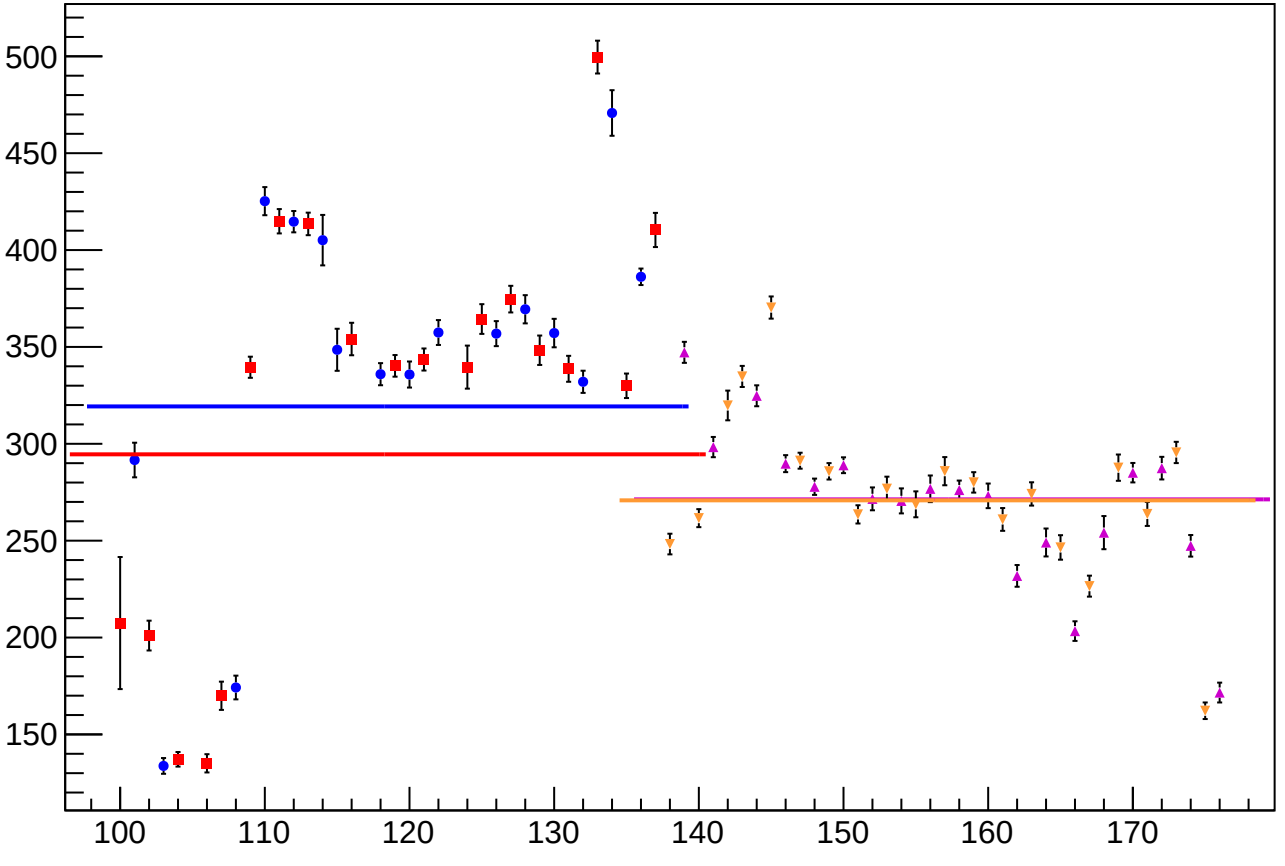
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 9.839+/-0.754 χ^2/NDF:414.8/34

Out: 11.464+/-0.721 χ^2/NDF:607.1/38

All: 10.689+/-0.521 χ^2/NDF: 1024.3/73

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: 270.818+/-1.215 χ^2/NDF:1307.8/19

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 271.323+/-1.233 χ^2/NDF:1017.2/18

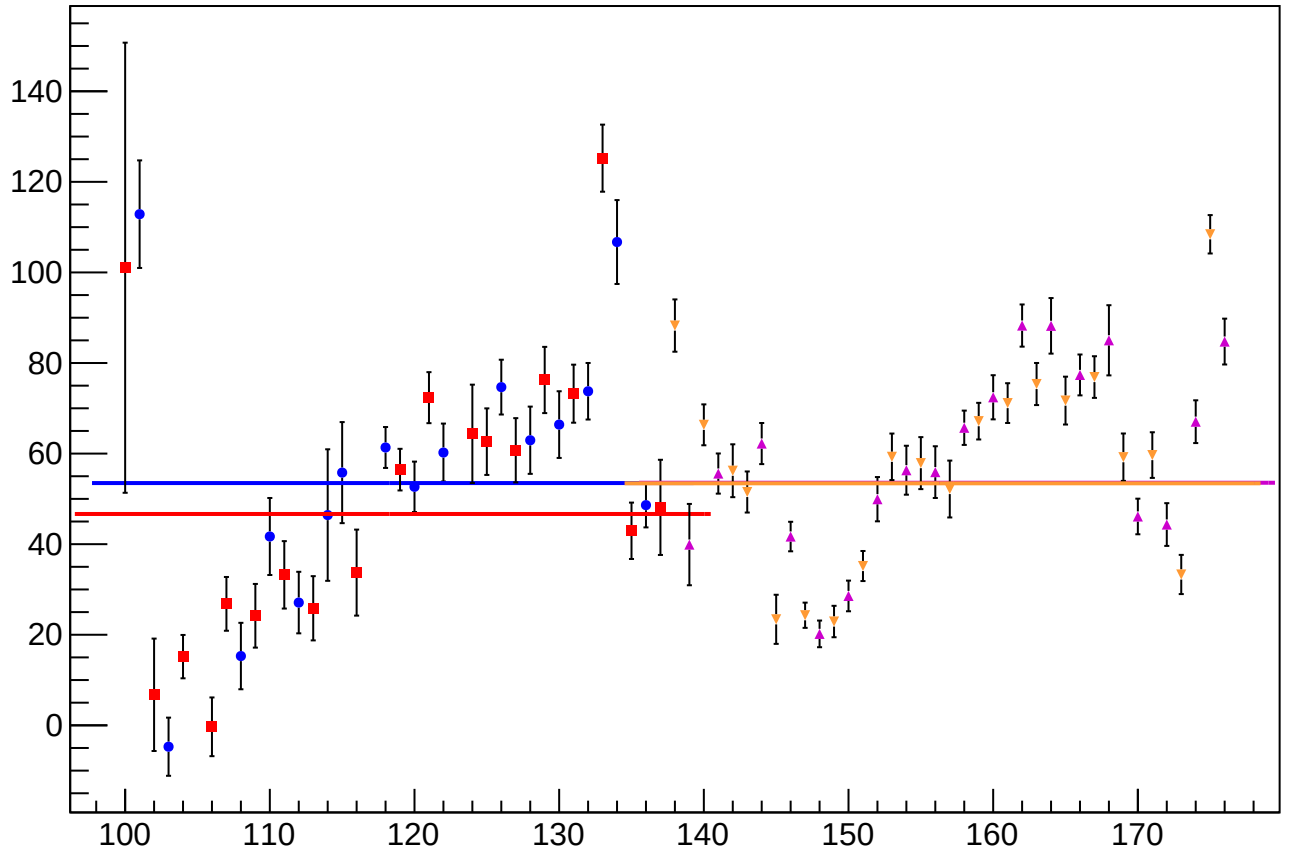
Left: 271.067+/-0.866 χ^2/NDF: 2325.1/38

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 289.401+/-0.974 χ^2/NDF:5380.1/34

Out: 280.371+/-0.940 χ^2/NDF:6964.7/38

All: 284.725+/-0.676 χ^2/NDF: 12389.3/73



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.436+/-0.993 χ^2/NDF:575.3/19

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 53.562+/-1.021 χ^2/NDF:413.9/18

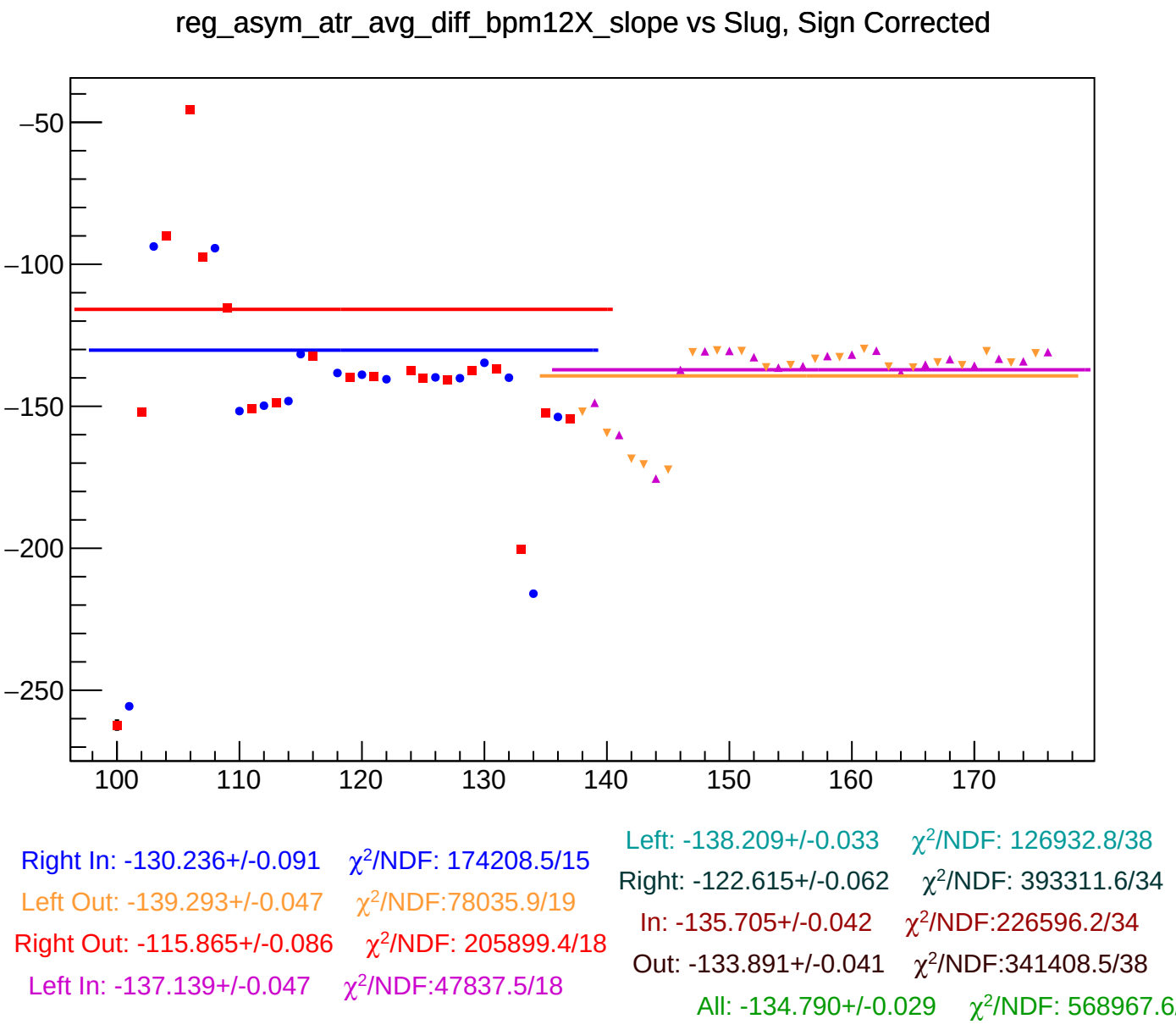
Left: 53.497+/-0.712 χ^2/NDF: 989.2/38

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

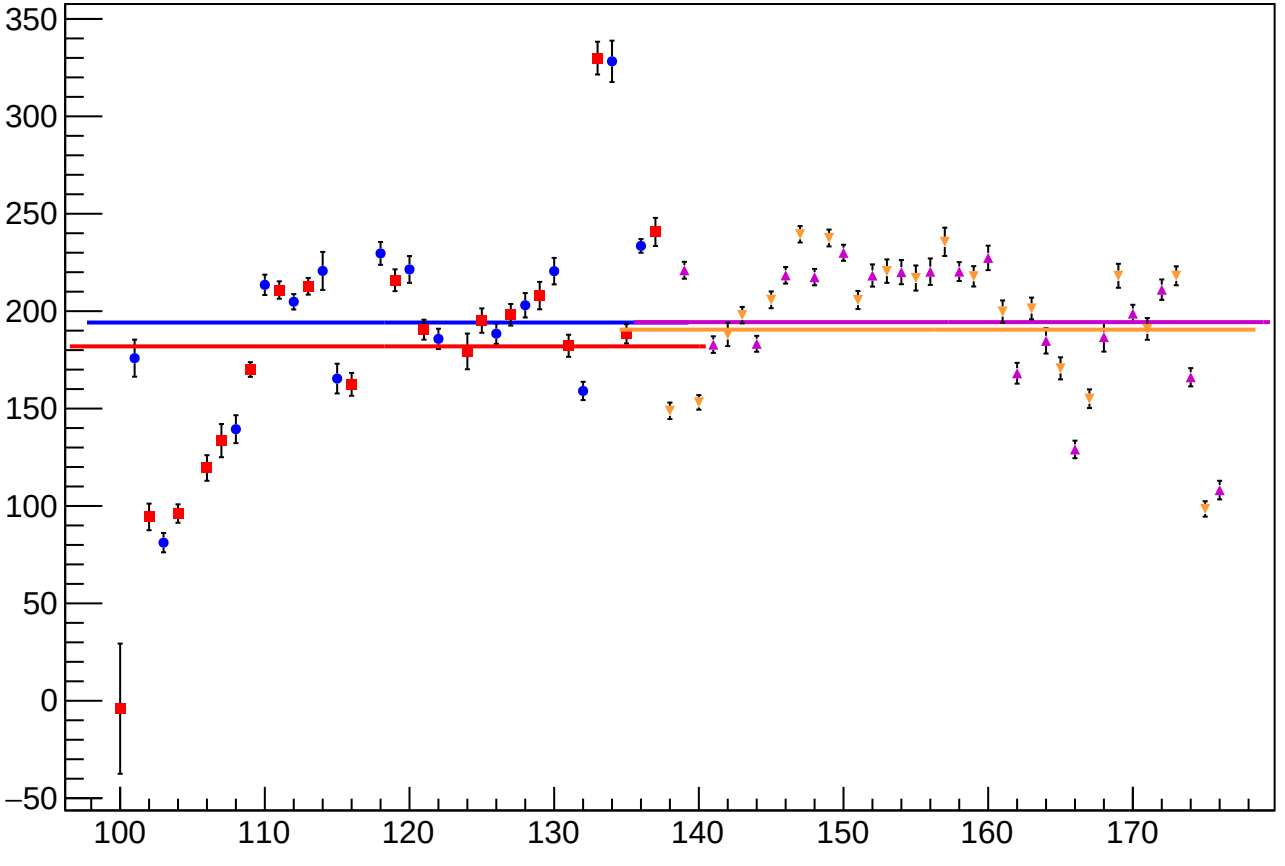
In: 53.544+/-0.875 χ^2/NDF:631.1/34

Out: 51.543+/-0.843 χ^2/NDF:913.9/38

All: 52.505+/-0.607 χ^2/NDF: 1547.7/73


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -139.293+/-0.047 χ²/NDF:78035.9/19
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -137.139+/-0.047 χ²/NDF:47837.5/18
Left: -138.209+/-0.033 χ²/NDF: 126932.8/38
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.705+/-0.042 χ²/NDF:226596.2/34
Out: -133.891+/-0.041 χ²/NDF:341408.5/38
All: -134.790+/-0.029 χ²/NDF: 568967.6/73

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: 190.526+/-1.097 χ^2/NDF:1250.4/19

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 194.375+/-1.127 χ^2/NDF:906.9/18

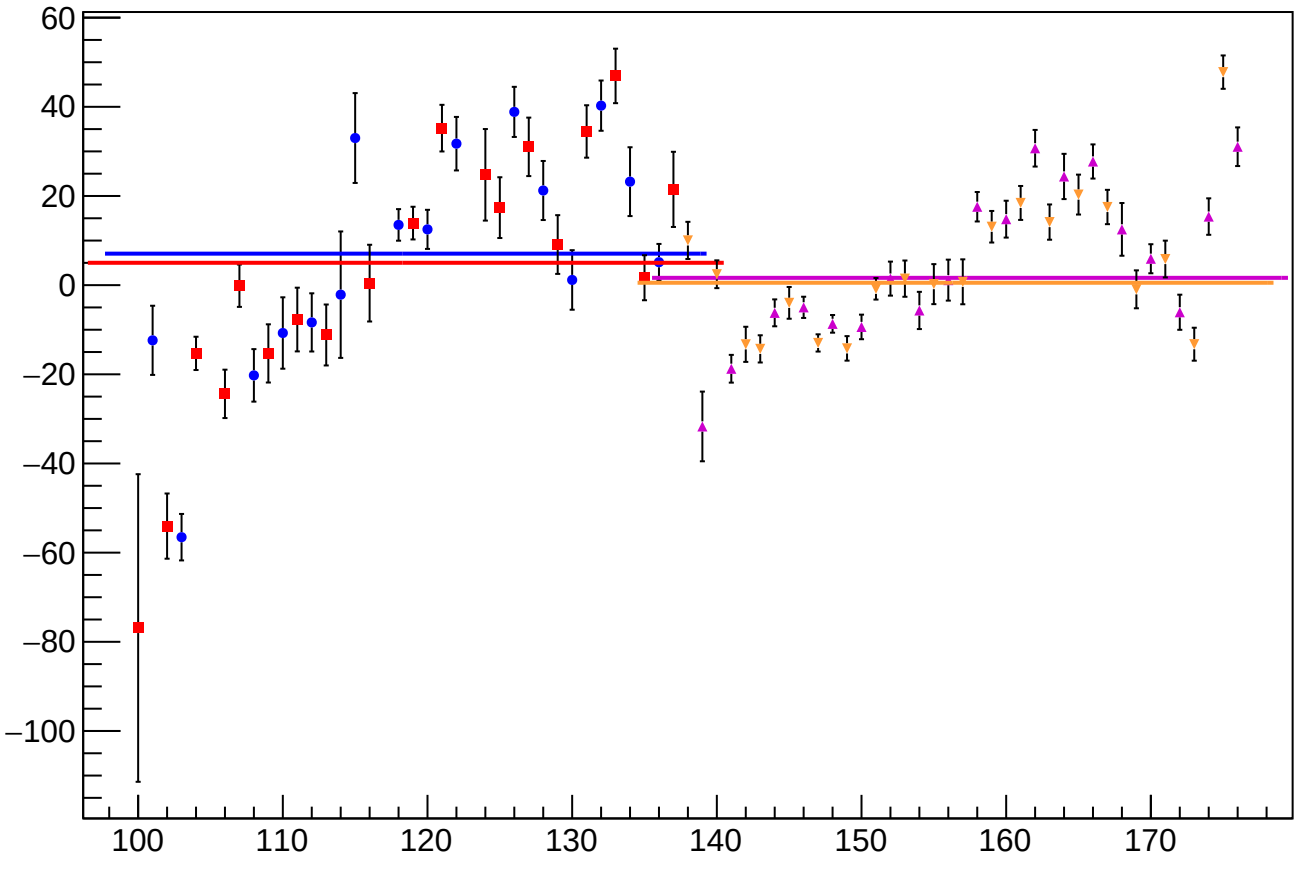
Left: 192.399+/-0.786 χ^2/NDF: 2163.3/38

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 194.293+/-0.880 χ^2/NDF:1942.1/34

Out: 187.018+/-0.844 χ^2/NDF:2480.2/38

All: 190.506+/-0.609 χ^2/NDF: 4458.0/73



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.537+/-0.762 χ^2/NDF:381.4/19

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 1.639+/-0.795 χ^2/NDF:337.9/18

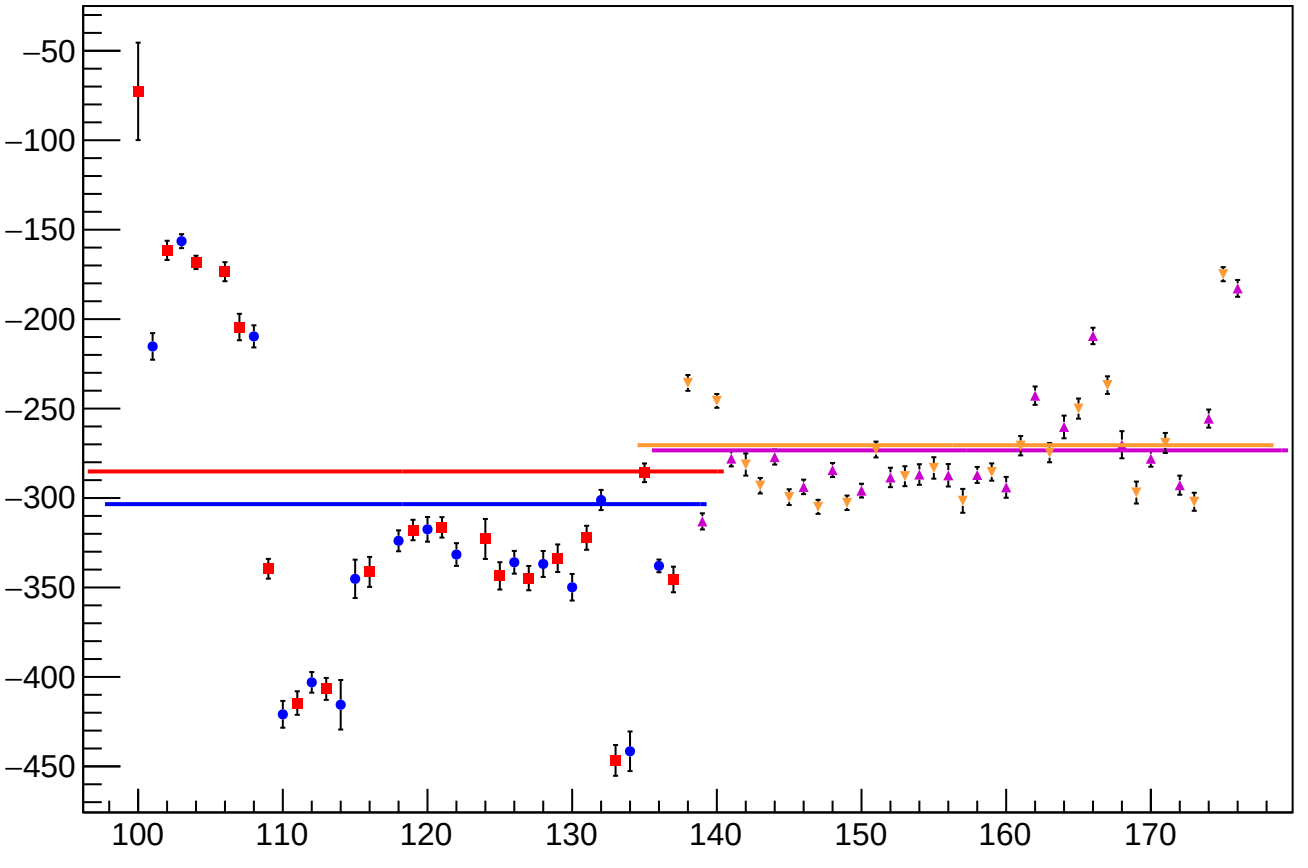
Left: 1.065+/-0.550 χ^2/NDF: 720.3/38

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 2.903+/-0.696 χ^2/NDF:641.4/34

Out: 1.614+/-0.664 χ^2/NDF:678.2/38

All: 2.229+/-0.481 χ^2/NDF: 1321.4/73



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -270.458+/-1.082 χ^2/NDF:1068.7/19

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -273.353+/-1.107 χ^2/NDF:816.7/18

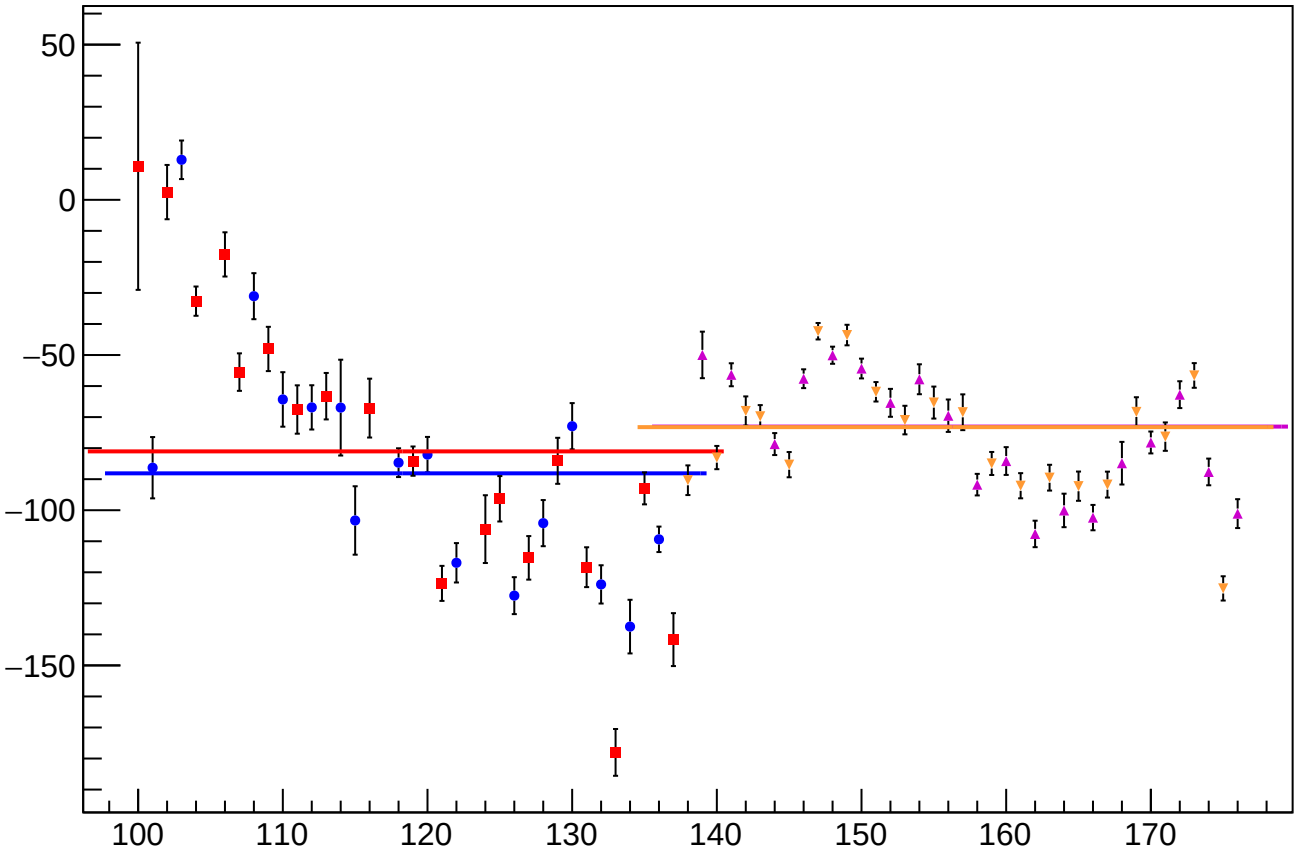
Left: -271.872+/-0.774 χ^2/NDF: 1888.9/38

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -283.684+/-0.897 χ^2/NDF:3855.4/34

Out: -275.706+/-0.867 χ^2/NDF:4889.4/38

All: -279.560+/-0.623 χ^2/NDF: 8785.7/73



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.234+/-0.890 χ^2/NDF:541.8/19

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -73.058+/-0.922 χ^2/NDF:411.5/18

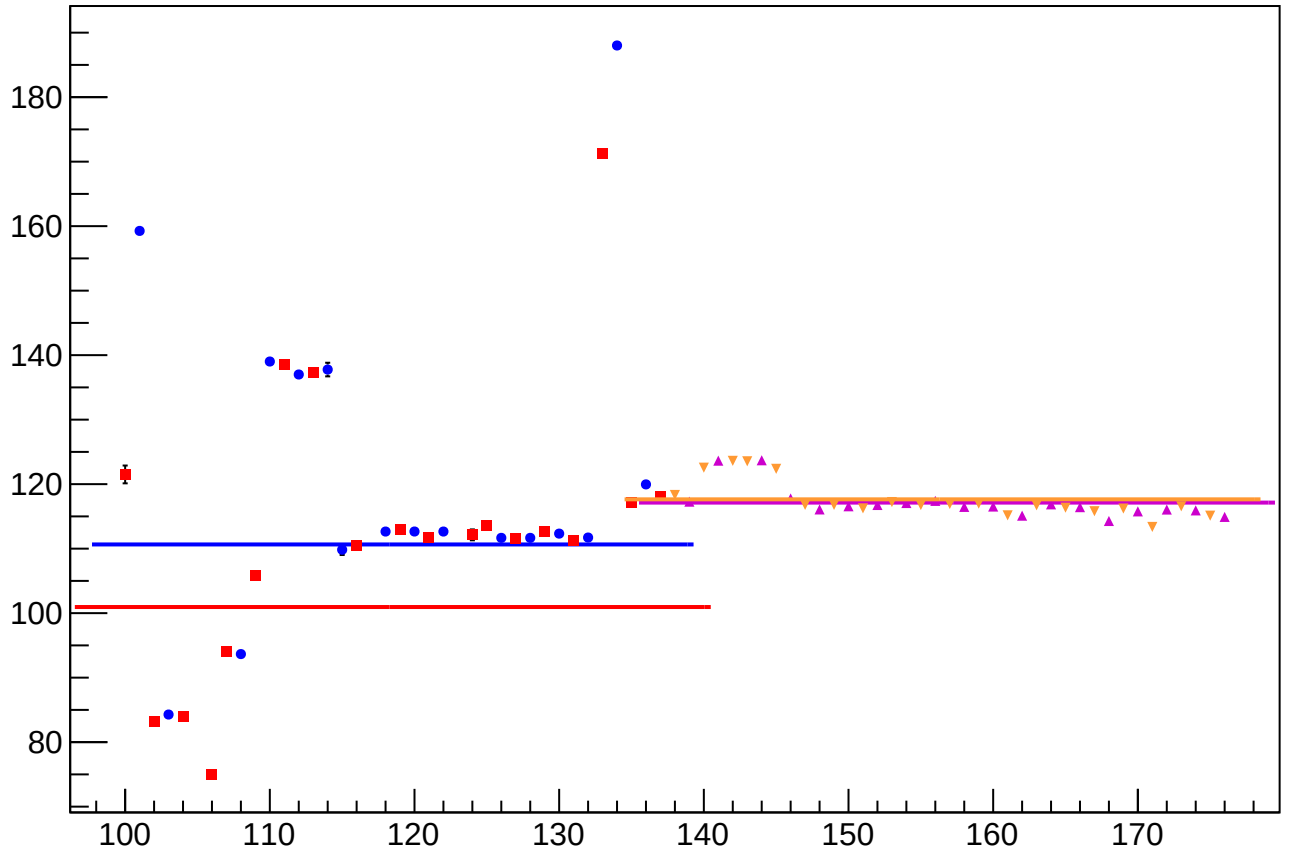
Left: -73.149+/-0.640 χ^2/NDF: 953.3/38

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -76.626+/-0.806 χ^2/NDF:986.6/34

Out: -75.137+/-0.774 χ^2/NDF:1238.1/38

All: -75.852+/-0.558 χ^2/NDF: 2226.5/73



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.644+/-0.042 χ^2/NDF:4467.4/19

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.138+/-0.042 χ^2/NDF:3171.8/18

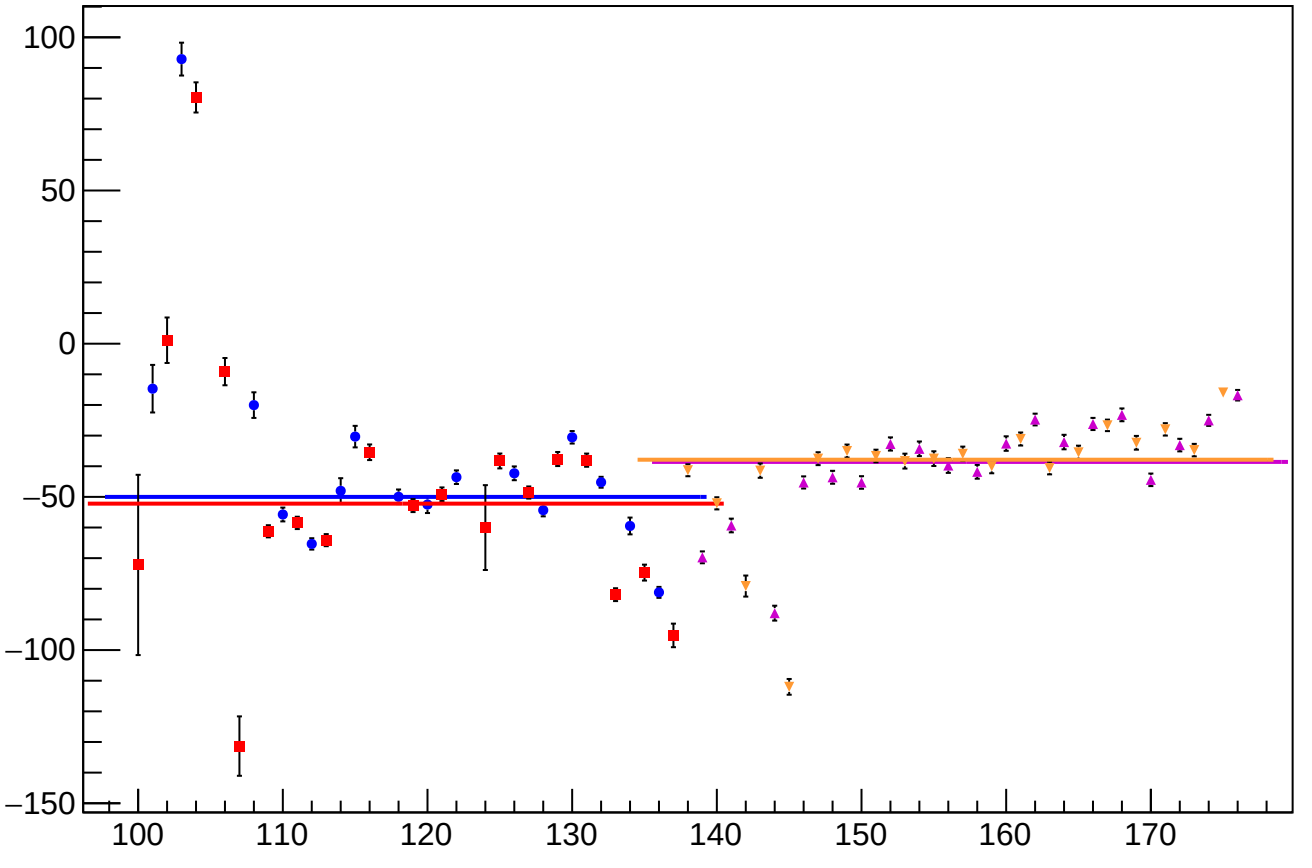
Left: 117.392+/-0.030 χ^2/NDF: 7712.1/38

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.888+/-0.038 χ^2/NDF:91306.9/34

Out: 114.126+/-0.037 χ^2/NDF:100022.8/38

All: 114.995+/-0.026 χ^2/NDF: 192438.5/73



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -37.870+/-0.476 χ^2/NDF:1338.5/19

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -38.587+/-0.480 χ^2/NDF:1184.9/18

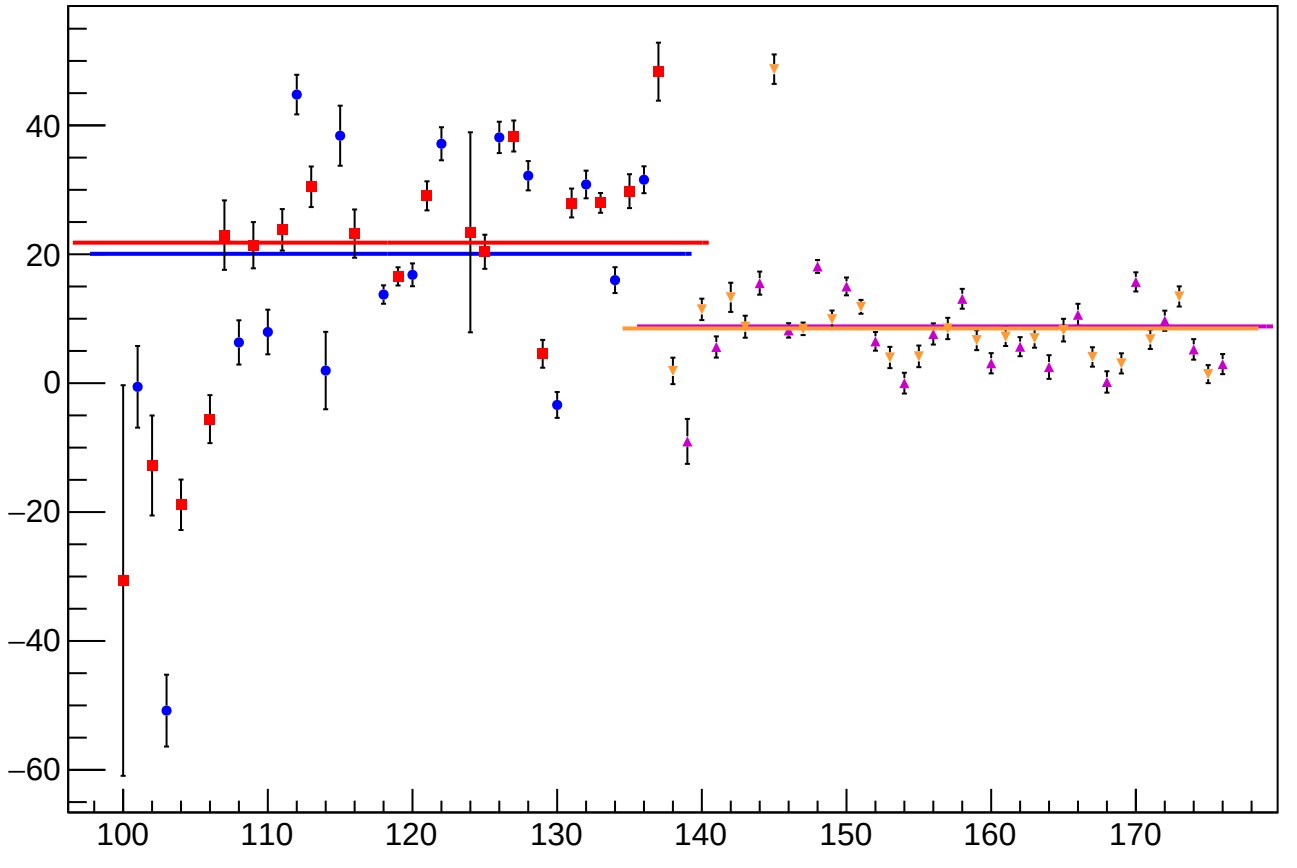
Left: -38.225+/-0.338 χ^2/NDF: 2524.5/38

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -42.958+/-0.377 χ^2/NDF:2728.6/34

Out: -43.349+/-0.374 χ^2/NDF:3255.8/38

All: -43.155+/-0.266 χ^2/NDF: 5985.0/73



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.489+/-0.338 χ^2/NDF:413.8/19

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.806+/-0.348 χ^2/NDF:290.7/18

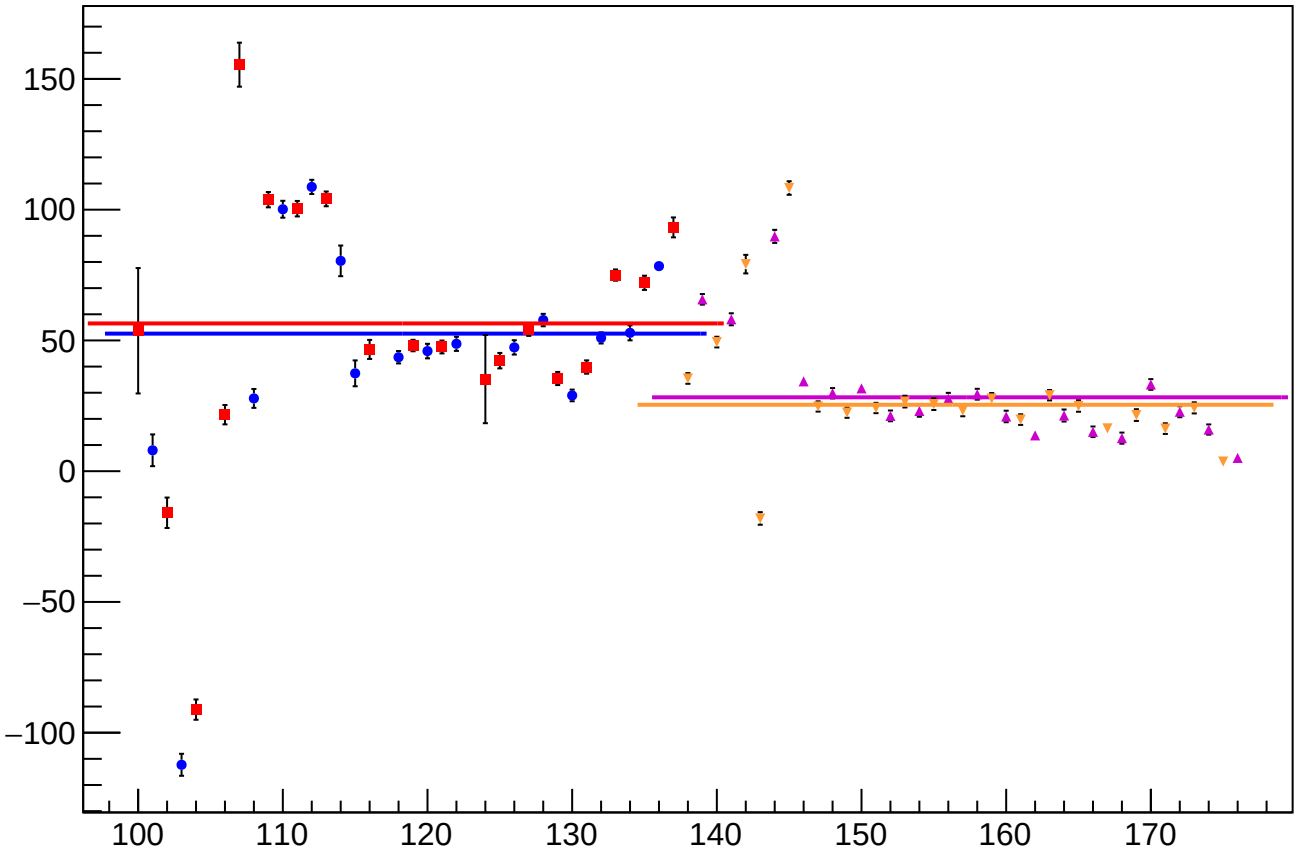
Left: 8.643+/-0.242 χ^2/NDF: 704.9/38

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.553+/-0.302 χ^2/NDF:1183.2/34

Out: 11.517+/-0.297 χ^2/NDF:1163.9/38

All: 11.535+/-0.212 χ^2/NDF: 2347.1/73



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 25.398+/-0.467 χ^2/NDF:2018.4/19

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 28.246+/-0.472 χ^2/NDF:1563.4/18

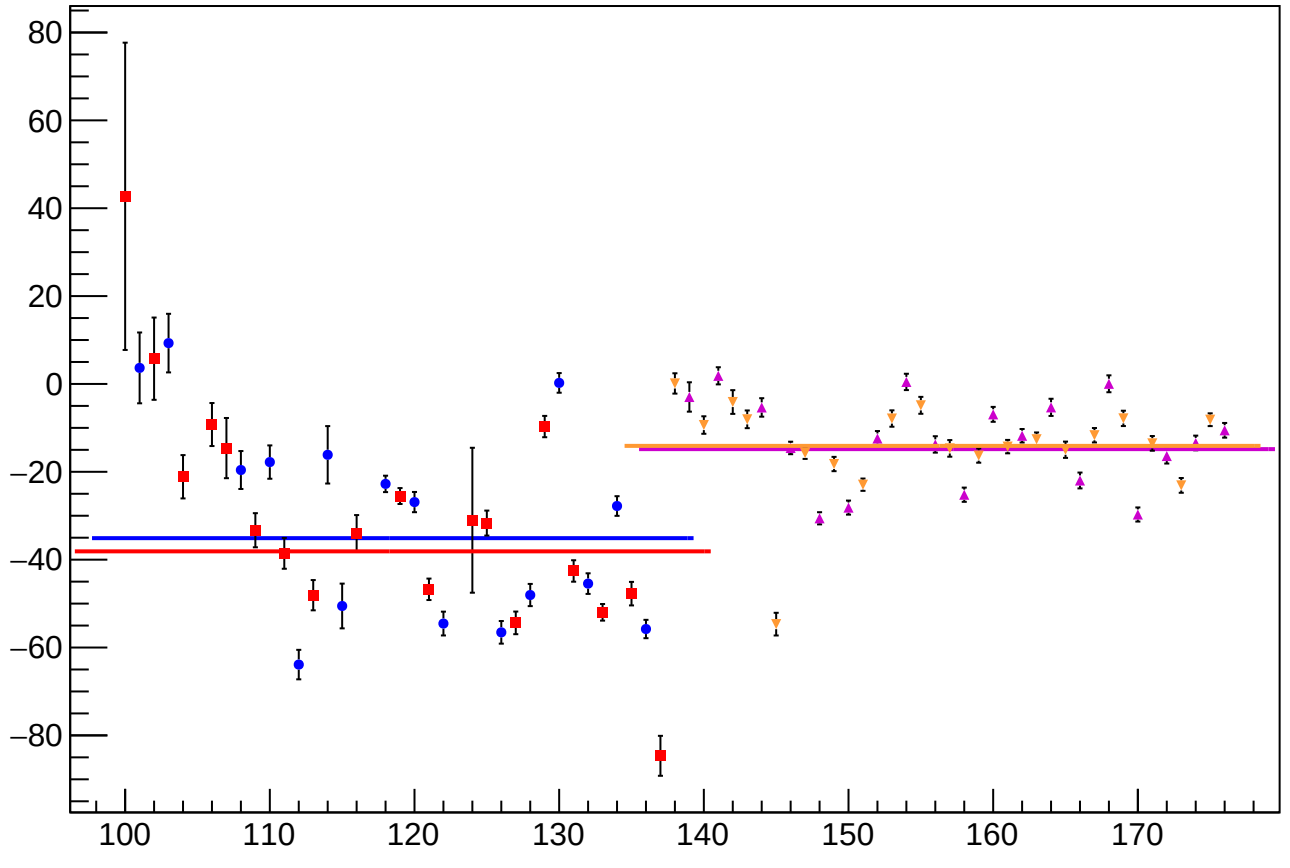
Left: 26.808+/-0.332 χ^2/NDF: 3600.1/38

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 35.906+/-0.390 χ^2/NDF:5061.6/34

Out: 34.874+/-0.389 χ^2/NDF:6335.4/38

All: 35.389+/-0.276 χ^2/NDF: 11400.5/73



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.097+/-0.387 χ^2/NDF:458.4/19

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.837+/-0.397 χ^2/NDF:634.1/18

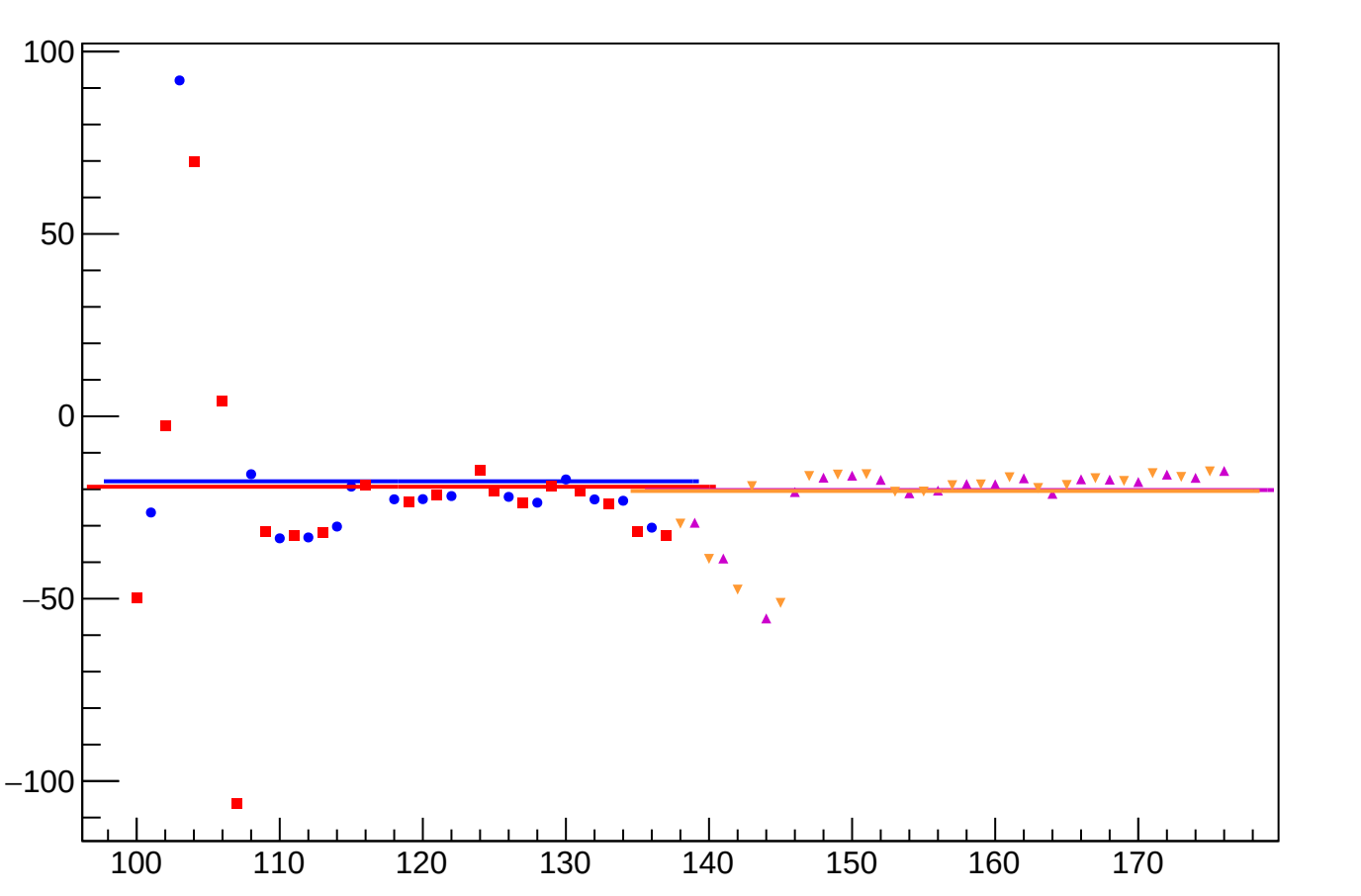
Left: -14.458+/-0.277 χ^2/NDF: 1094.3/38

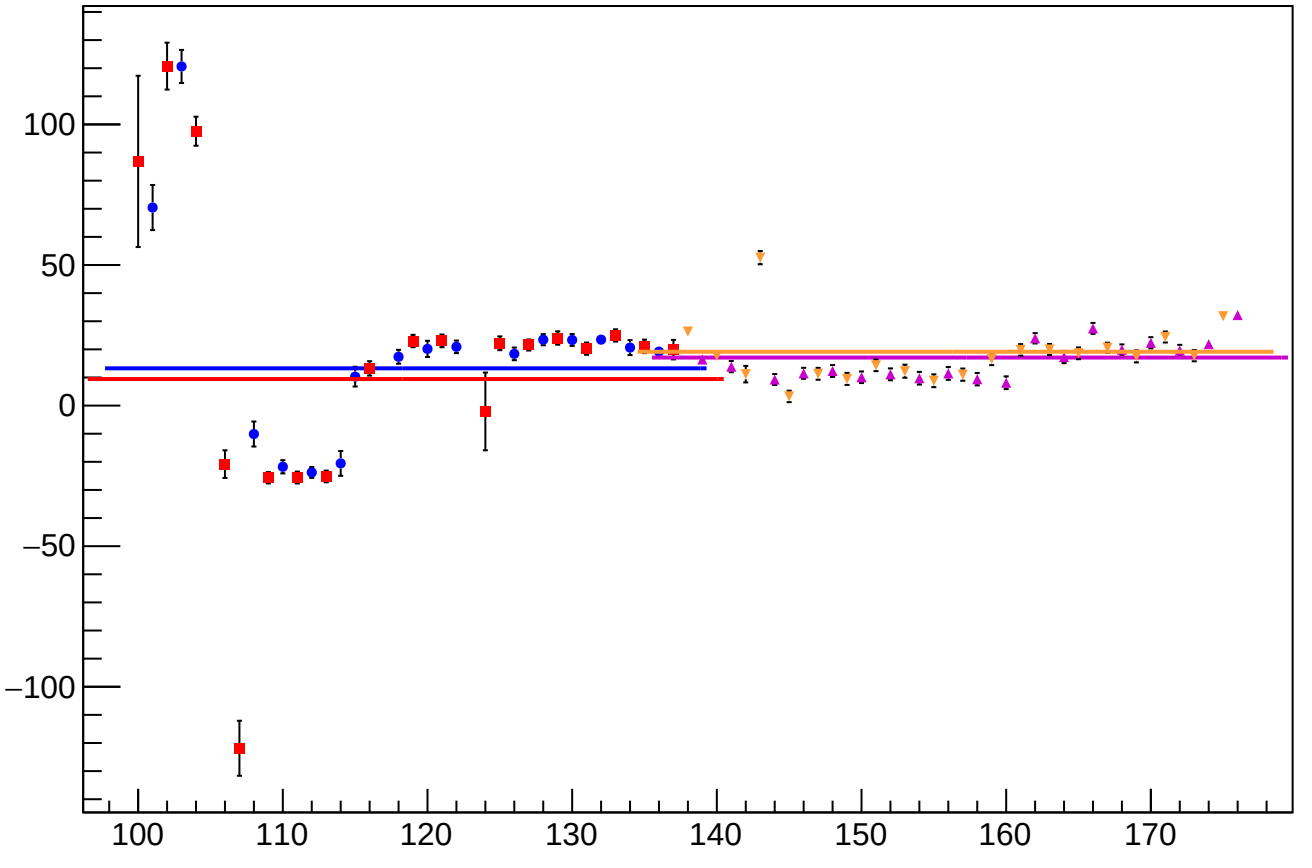
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.773+/-0.345 χ^2/NDF:2041.2/34

Out: -19.562+/-0.341 χ^2/NDF:1846.9/38

All: -19.666+/-0.243 χ^2/NDF: 3888.3/73


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: -20.463+/-0.018 χ²/NDF:210162.4/19
Right Out: -19.311+/-0.046 χ²/NDF: 344626.7/18
Left In: -20.214+/-0.017 χ²/NDF:178459.3/18
Left: -20.338+/-0.012 χ²/NDF: 388722.2/38
Right: -18.516+/-0.032 χ²/NDF: 771290.6/34
In: -19.878+/-0.016 χ²/NDF:607207.6/34
Out: -20.316+/-0.016 χ²/NDF:555334.8/38
All: -20.093+/-0.012 χ²/NDF: 1162902.3/73



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.153+/-0.453 χ^2/NDF:456.8/19

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 17.086+/-0.456 χ^2/NDF:238.2/18

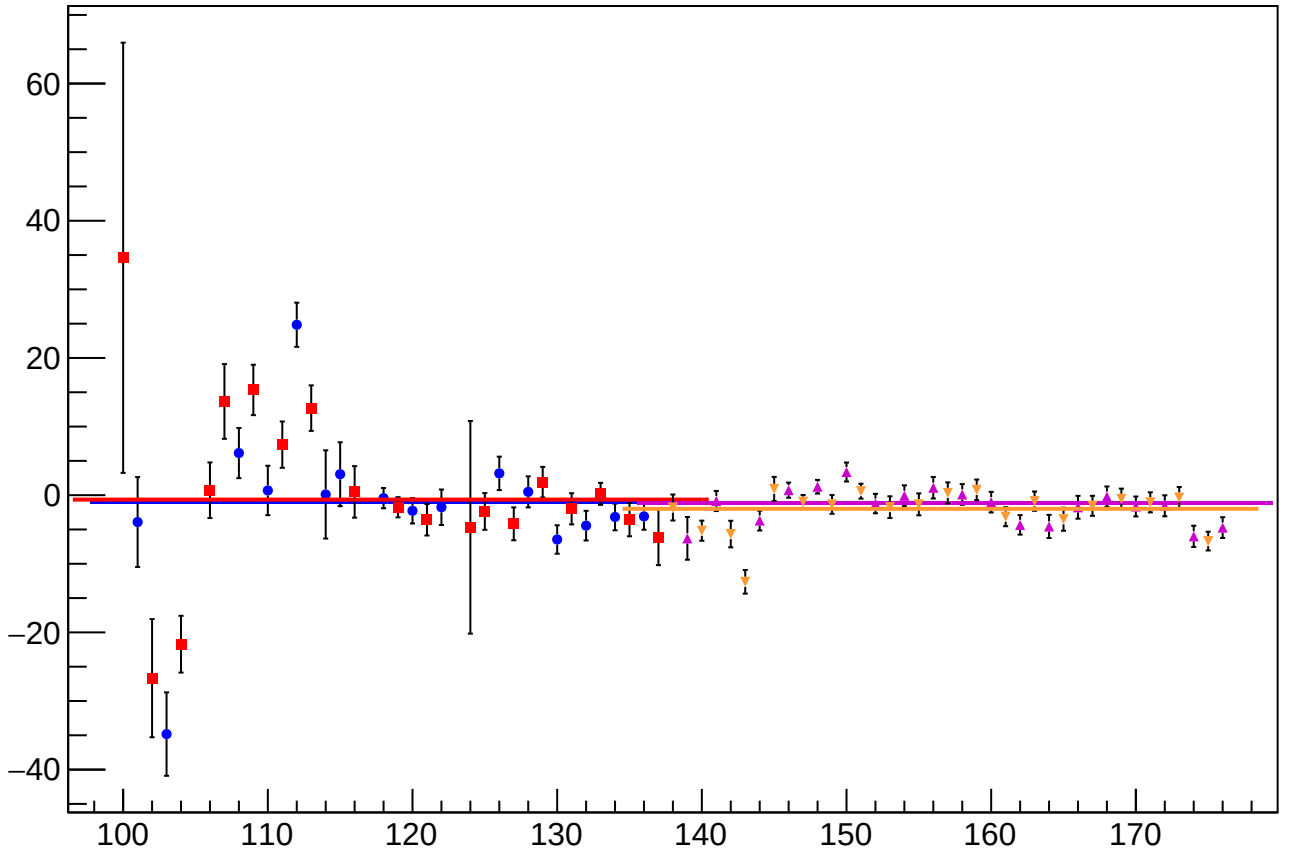
Left: 18.126+/-0.321 χ^2/NDF: 705.4/38

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 15.726+/-0.366 χ^2/NDF:1445.8/34

Out: 15.742+/-0.365 χ^2/NDF:2454.9/38

All: 15.734+/-0.258 χ^2/NDF: 3900.7/73



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.989+/-0.325 χ^2/NDF:78.7/19

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.142+/-0.333 χ^2/NDF:53.6/18

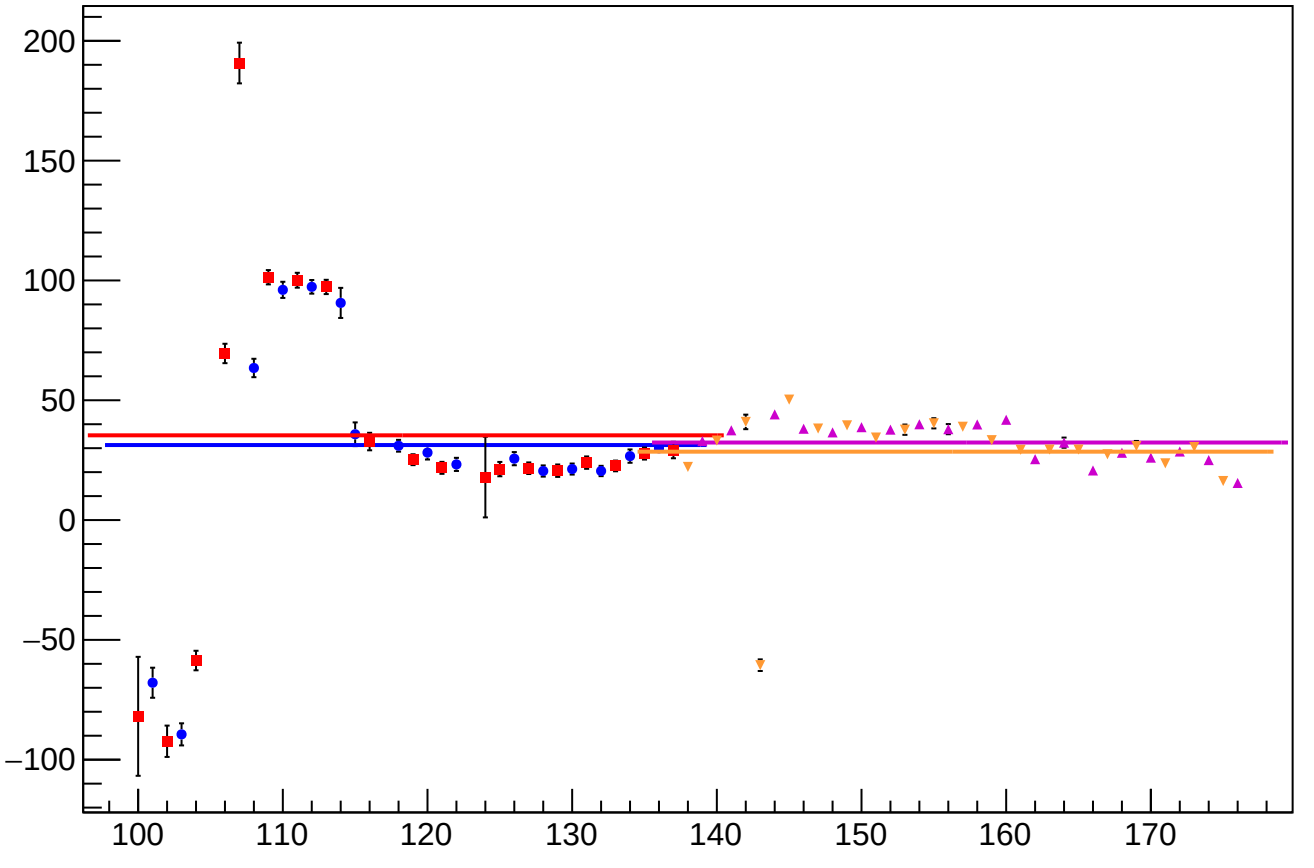
Left: -1.576+/-0.232 χ^2/NDF: 135.6/38

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.109+/-0.293 χ^2/NDF:170.0/34

Out: -1.711+/-0.289 χ^2/NDF:176.5/38

All: -1.414+/-0.206 χ^2/NDF: 348.6/73



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.544+/-0.445 χ^2/NDF:1719.5/19

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 32.363+/-0.448 χ^2/NDF:314.7/18

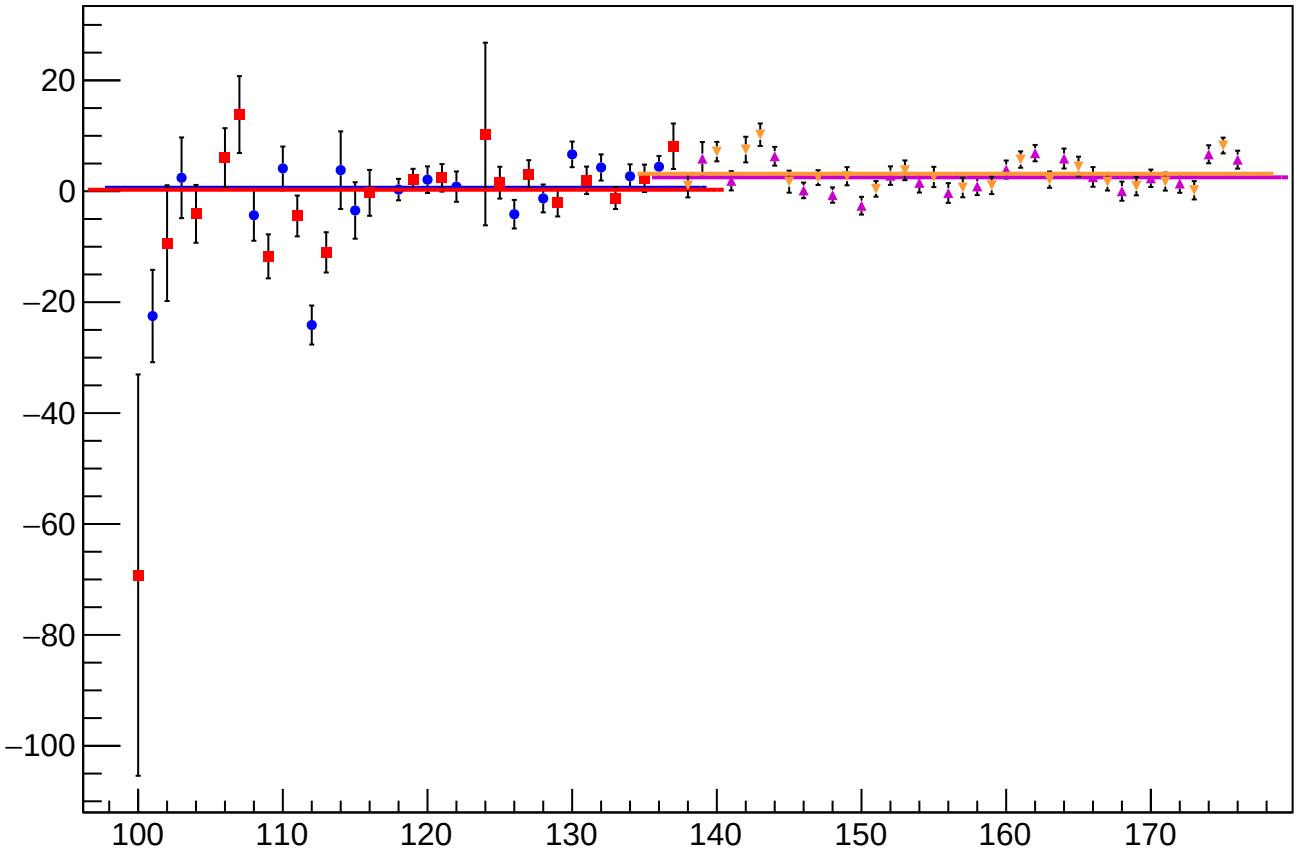
Left: 30.441+/-0.316 χ^2/NDF: 2070.8/38

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.057+/-0.377 χ^2/NDF:2402.2/34

Out: 30.442+/-0.378 χ^2/NDF:4682.5/38

All: 31.251+/-0.267 χ^2/NDF: 7093.8/73



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.169+/-0.372 χ^2/NDF:53.8/19

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.513+/-0.380 χ^2/NDF:54.8/18

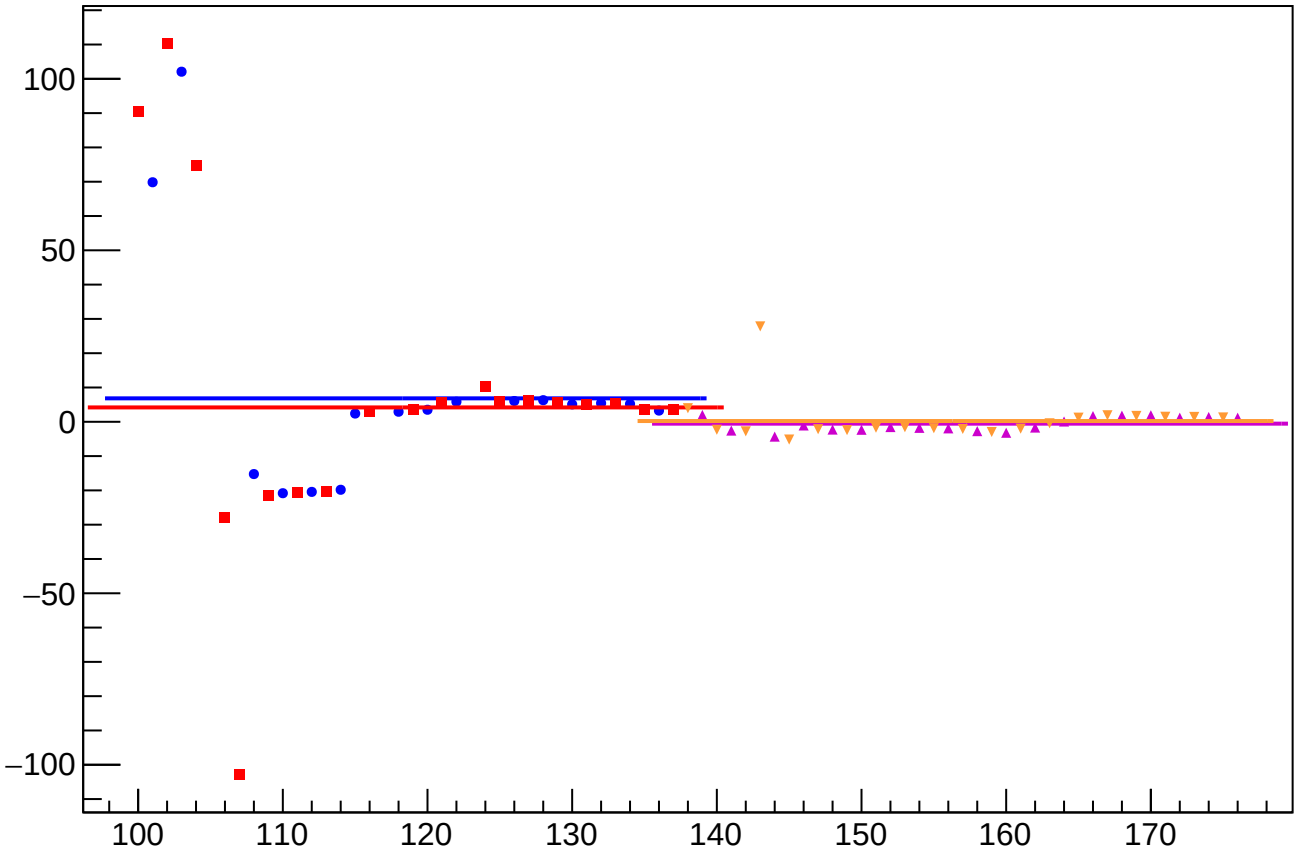
Left: 2.848+/-0.266 χ^2/NDF: 110.1/38

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.090+/-0.334 χ^2/NDF:138.7/34

Out: 2.568+/-0.331 χ^2/NDF:106.9/38

All: 2.331+/-0.235 χ^2/NDF: 246.6/73



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.220+/-0.017 χ^2/NDF:93836.5/19

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.542+/-0.017 χ^2/NDF:13900.5/18

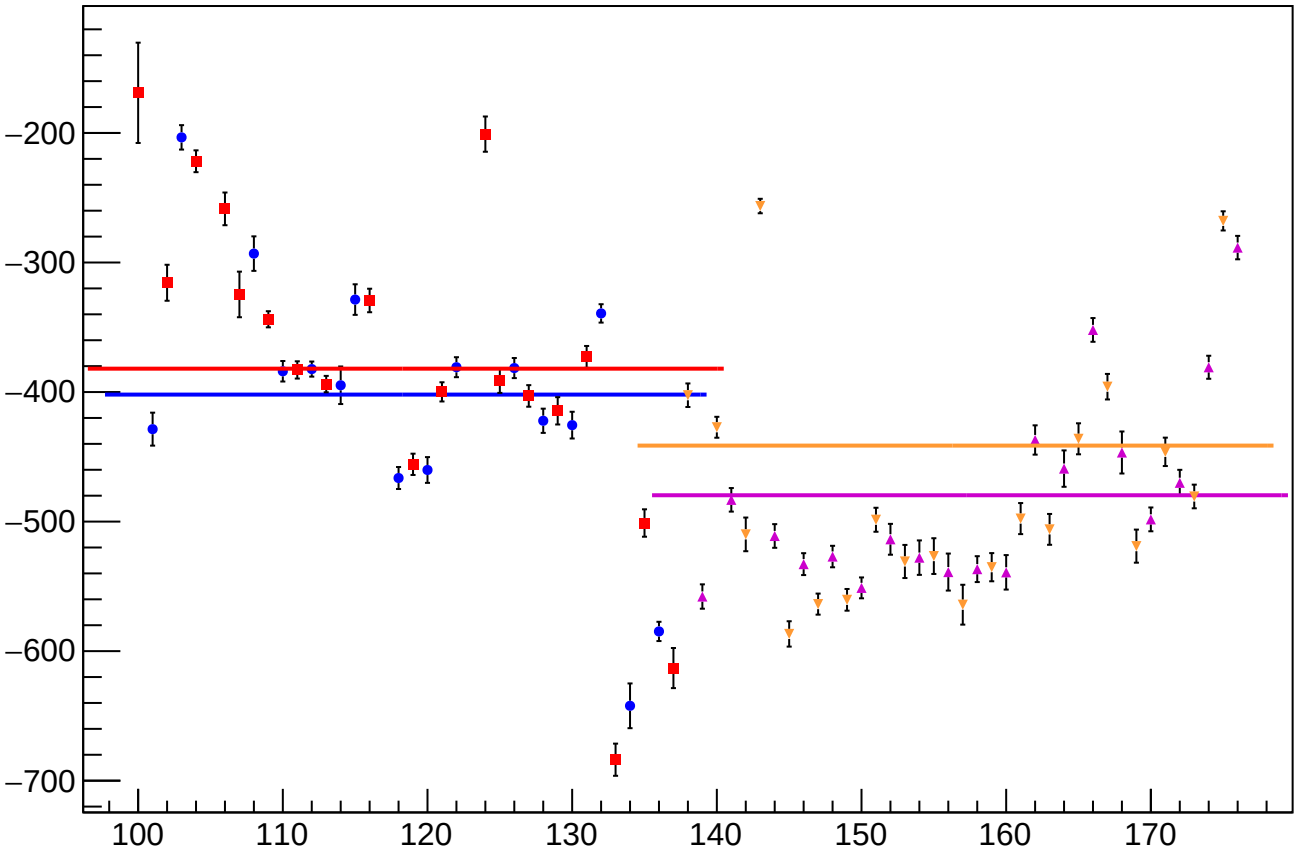
Left: -0.165+/-0.012 χ^2/NDF: 108777.0/38

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.422+/-0.015 χ^2/NDF:360646.8/34

Out: 0.683+/-0.016 χ^2/NDF:534879.3/38

All: 0.550+/-0.011 χ^2/NDF: 895664.9/73



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.333+/-2.147 χ^2/NDF:2735.1/19

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -479.664+/-2.307 χ^2/NDF:1113.1/18

Left: -459.129+/-1.572 χ^2/NDF: 3996.2/38

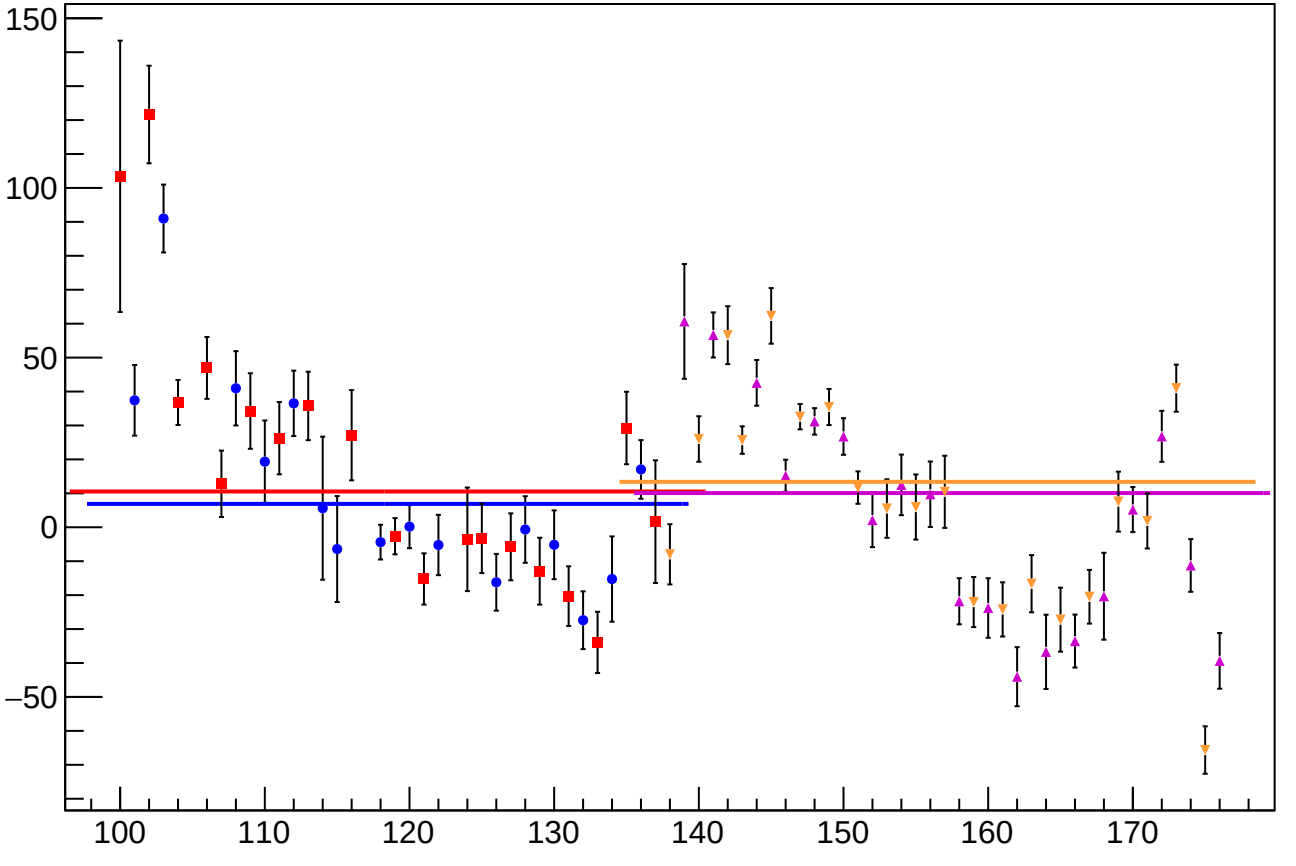
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -439.603+/-1.606 χ^2/NDF:3261.4/34

Out: -411.320+/-1.510 χ^2/NDF:4939.0/38

All: -424.597+/-1.100 χ^2/NDF: 8365.1/73

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.386+/-1.485 χ^2/NDF:365.7/19

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 10.079+/-1.616 χ^2/NDF:302.6/18

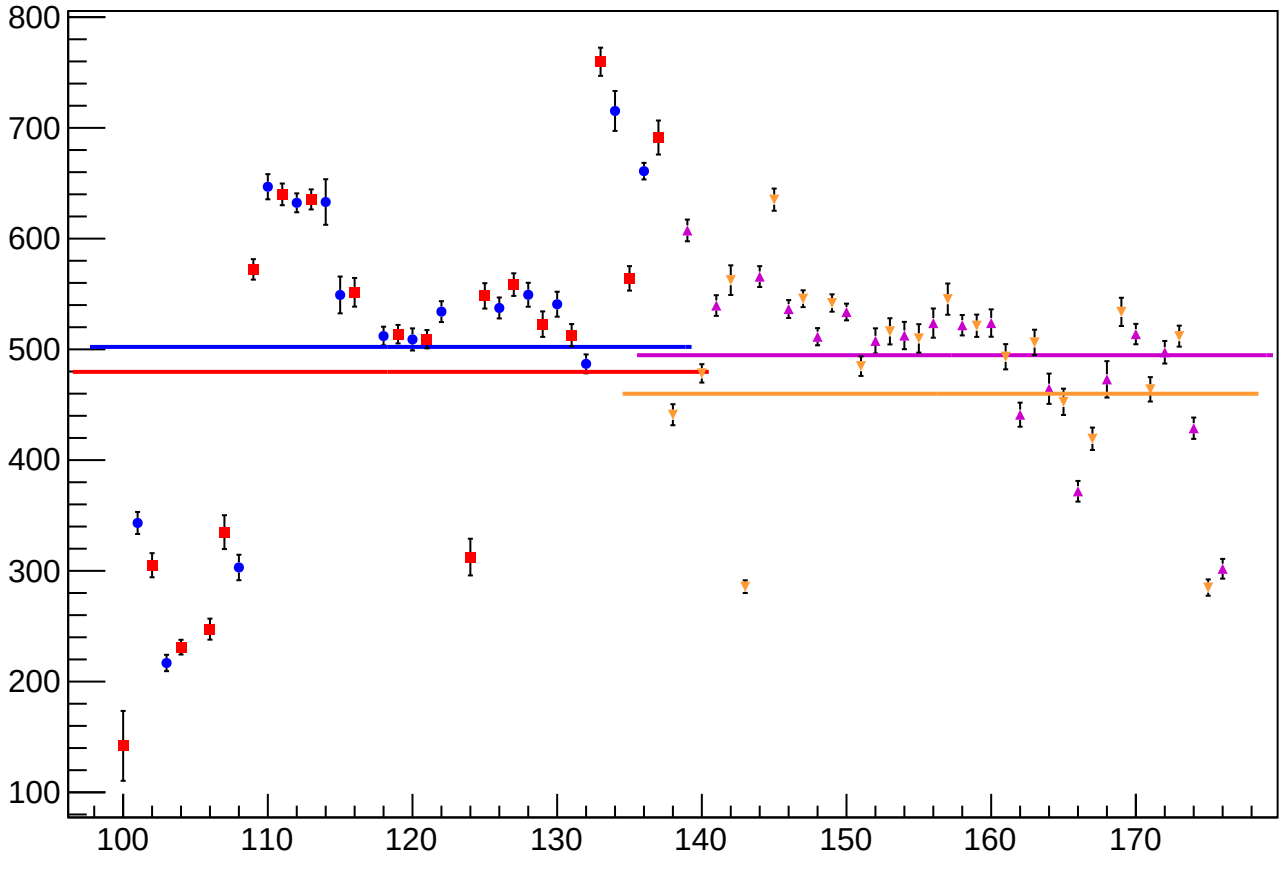
Left: 11.872+/-1.094 χ^2/NDF: 670.5/38

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 9.002+/-1.316 χ^2/NDF:442.3/34

Out: 12.494+/-1.231 χ^2/NDF:546.9/38

All: 10.865+/-0.899 χ^2/NDF: 993.0/73



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 459.933+/-2.121 χ^2/NDF:2318.2/19

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 494.733+/-2.265 χ^2/NDF:1014.8/18

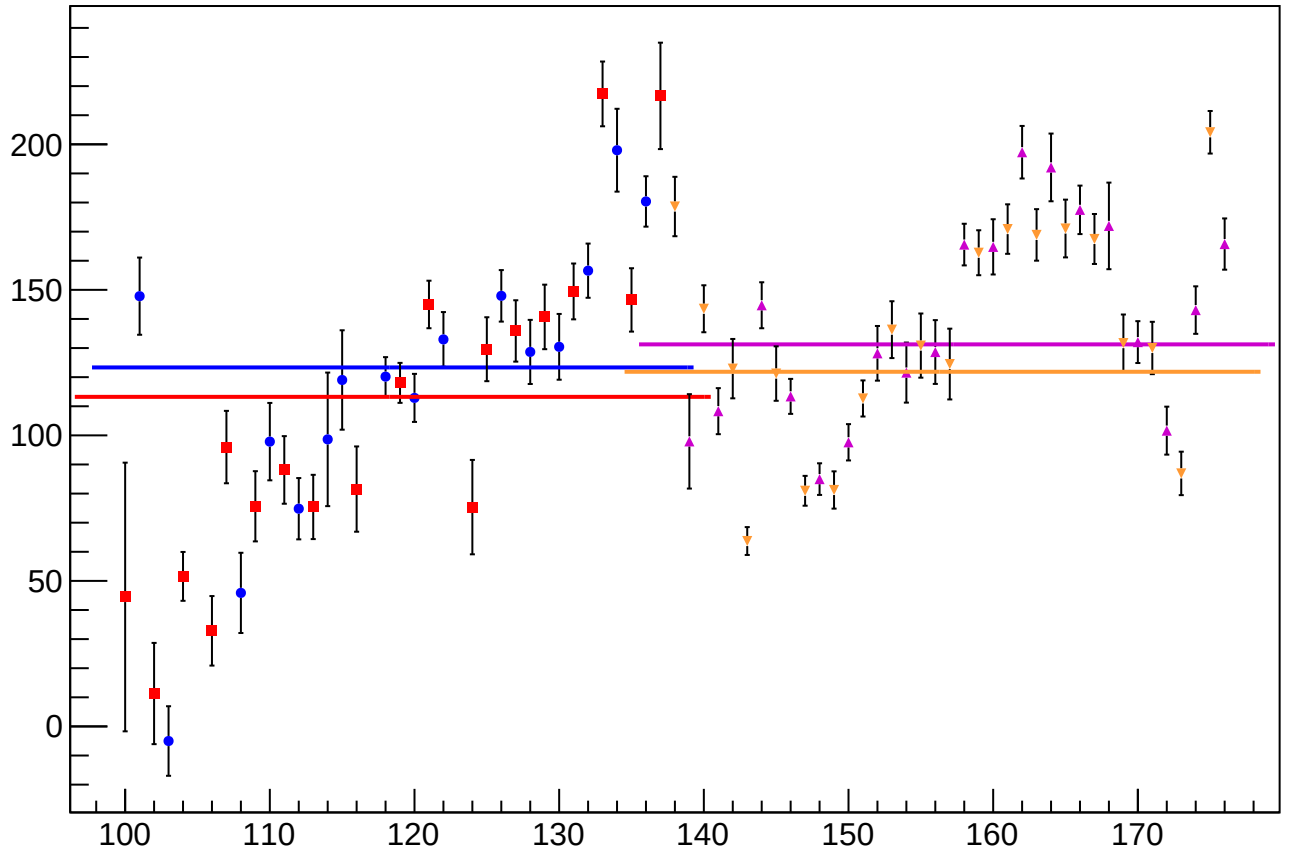
Left: 476.195+/-1.548 χ^2/NDF: 3458.8/38

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 498.116+/-1.676 χ^2/NDF:4154.9/34

Out: 468.596+/-1.589 χ^2/NDF:6494.8/38

All: 482.569+/-1.153 χ^2/NDF: 10813.0/73



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 121.854+/-1.741 χ^2/NDF:587.4/19

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 131.265+/-1.879 χ^2/NDF:311.9/18

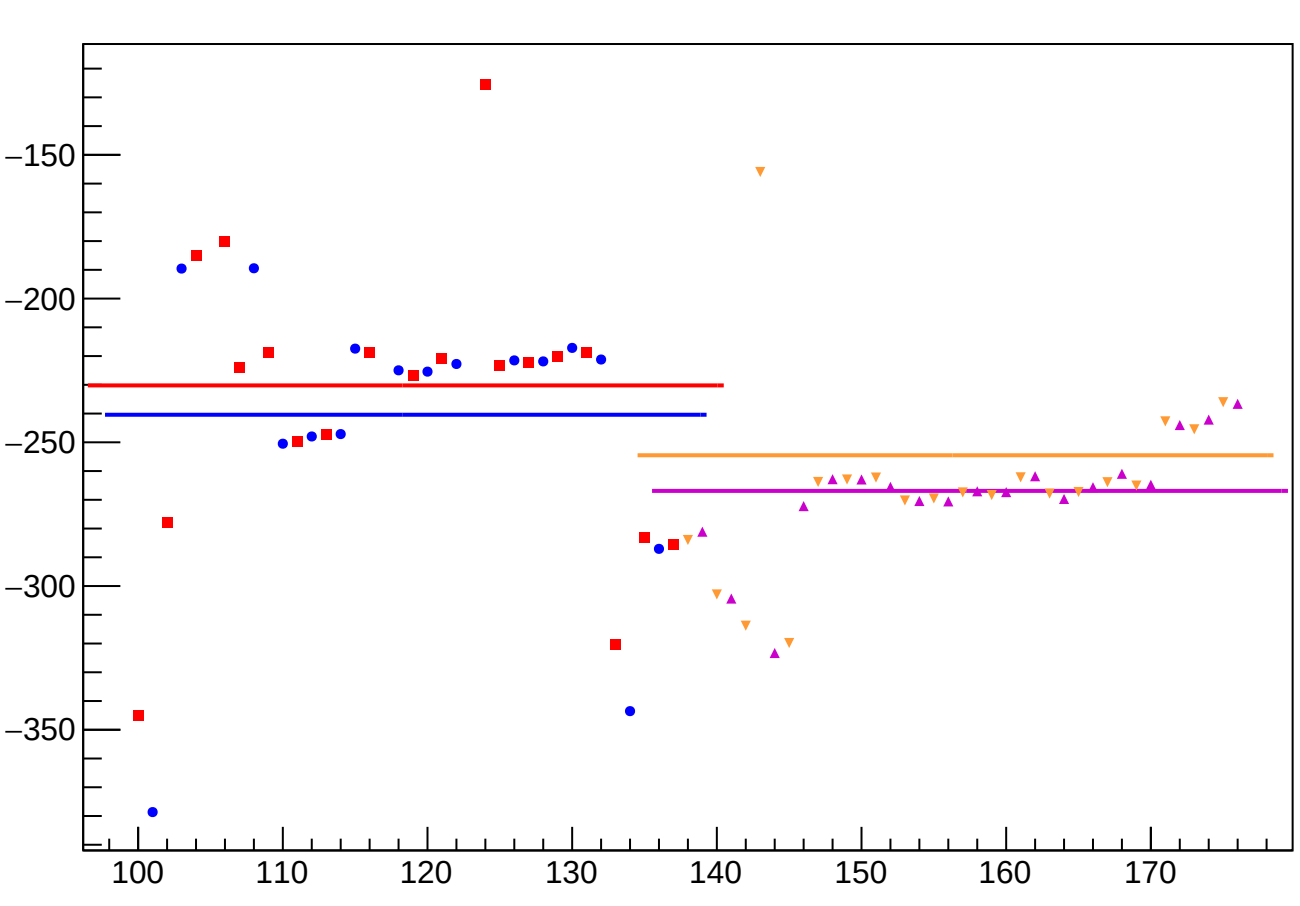
Left: 126.201+/-1.277 χ^2/NDF: 912.8/38

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 128.585+/-1.528 χ^2/NDF:589.3/34

Out: 119.106+/-1.437 χ^2/NDF:940.9/38

All: 123.554+/-1.047 χ^2/NDF: 1550.7/73



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -254.508+/-0.083 χ^2/NDF:246310.8/19

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -266.903+/-0.086 χ^2/NDF:46253.0/18

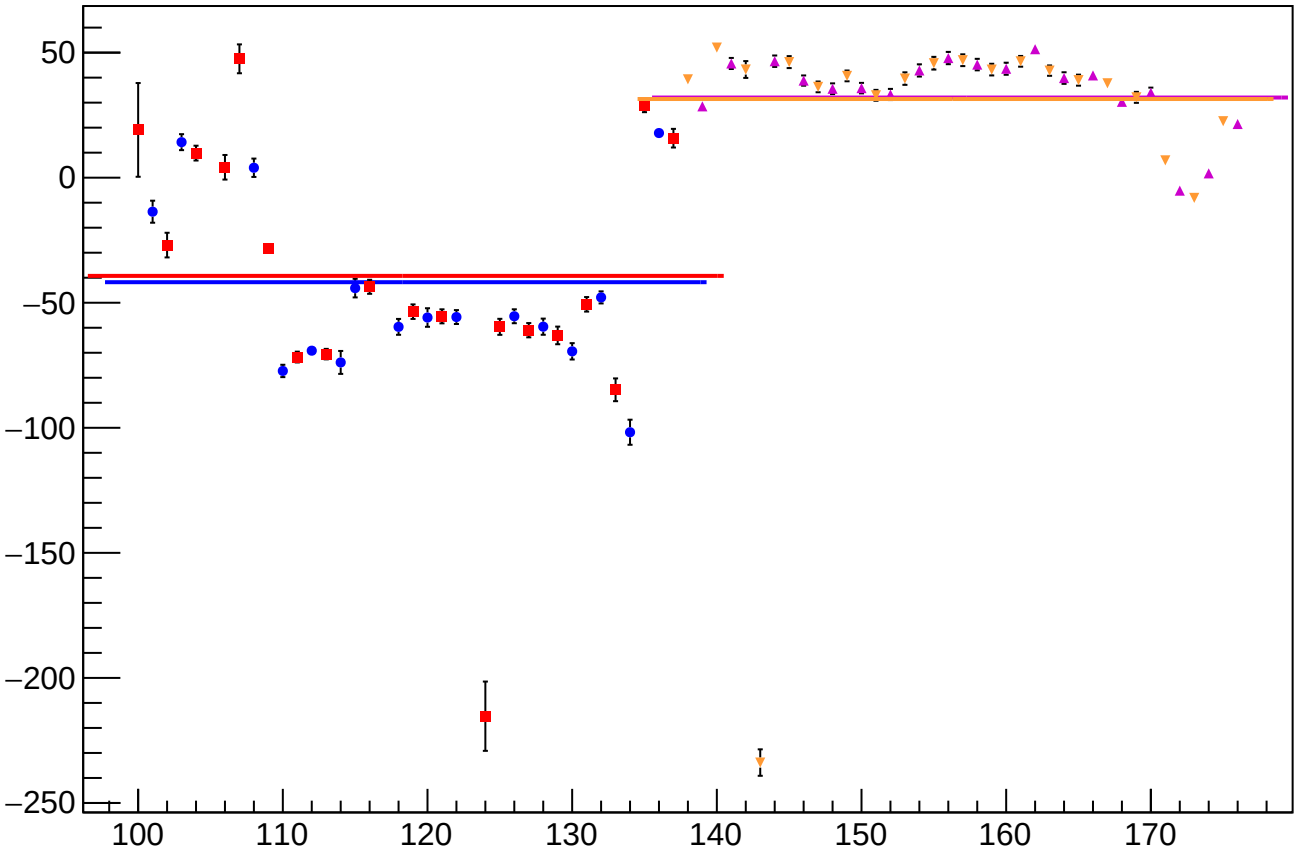
Left: -260.479+/-0.060 χ^2/NDF: 303361.3/38

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -260.404+/-0.075 χ^2/NDF:203752.8/34

Out: -248.625+/-0.072 χ^2/NDF:350598.4/38

All: -254.312+/-0.052 χ^2/NDF: 567244.1/73



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 31.452+/-0.478 χ^2/NDF:3589.2/19

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 32.044+/-0.472 χ^2/NDF:1128.3/18

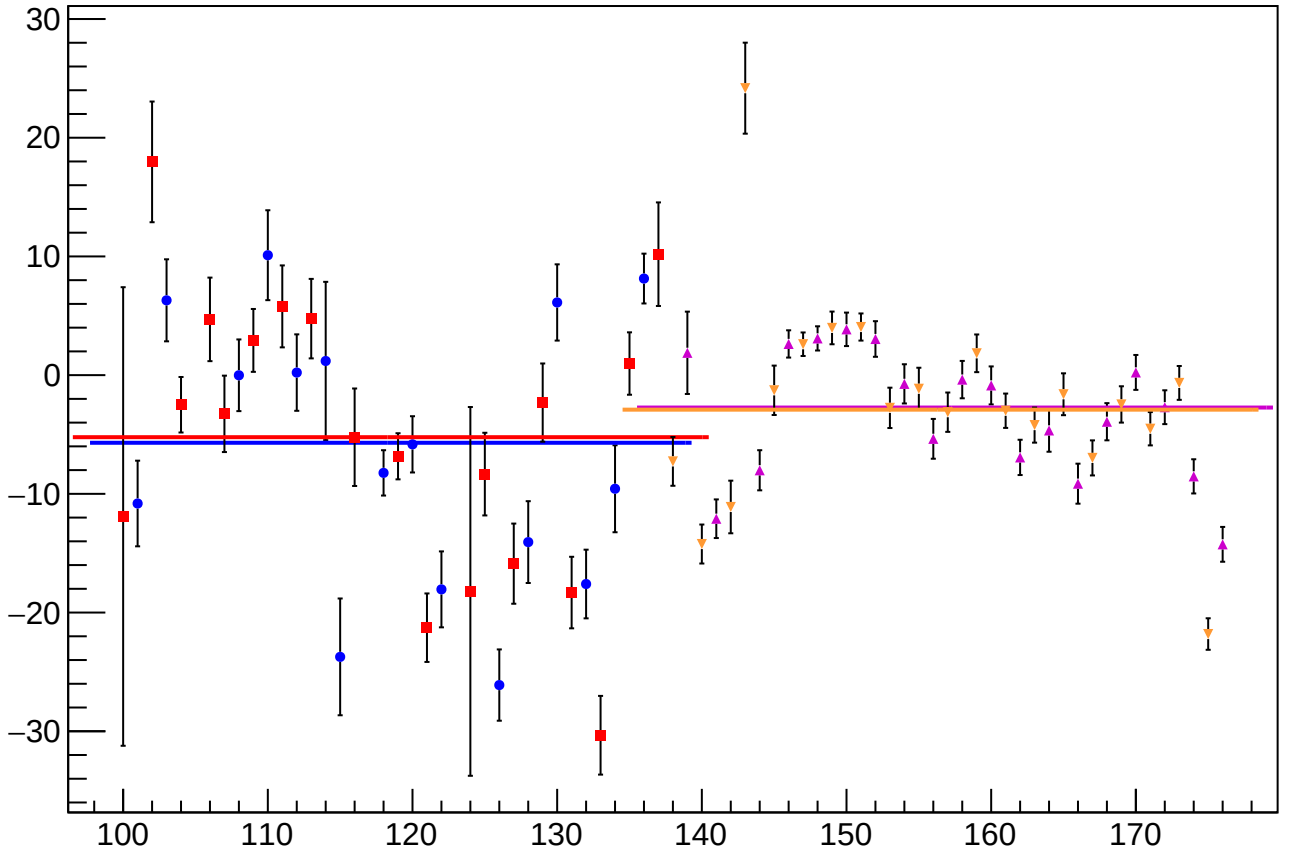
Left: 31.751+/-0.336 χ^2/NDF: 4718.2/38

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.983+/-0.395 χ^2/NDF:10843.4/34

Out: 8.062+/-0.391 χ^2/NDF:13312.6/38

All: 9.012+/-0.278 χ^2/NDF: 24168.0/73



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.908+/-0.342 χ^2/NDF:434.6/19

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -2.730+/-0.345 χ^2/NDF:249.4/18

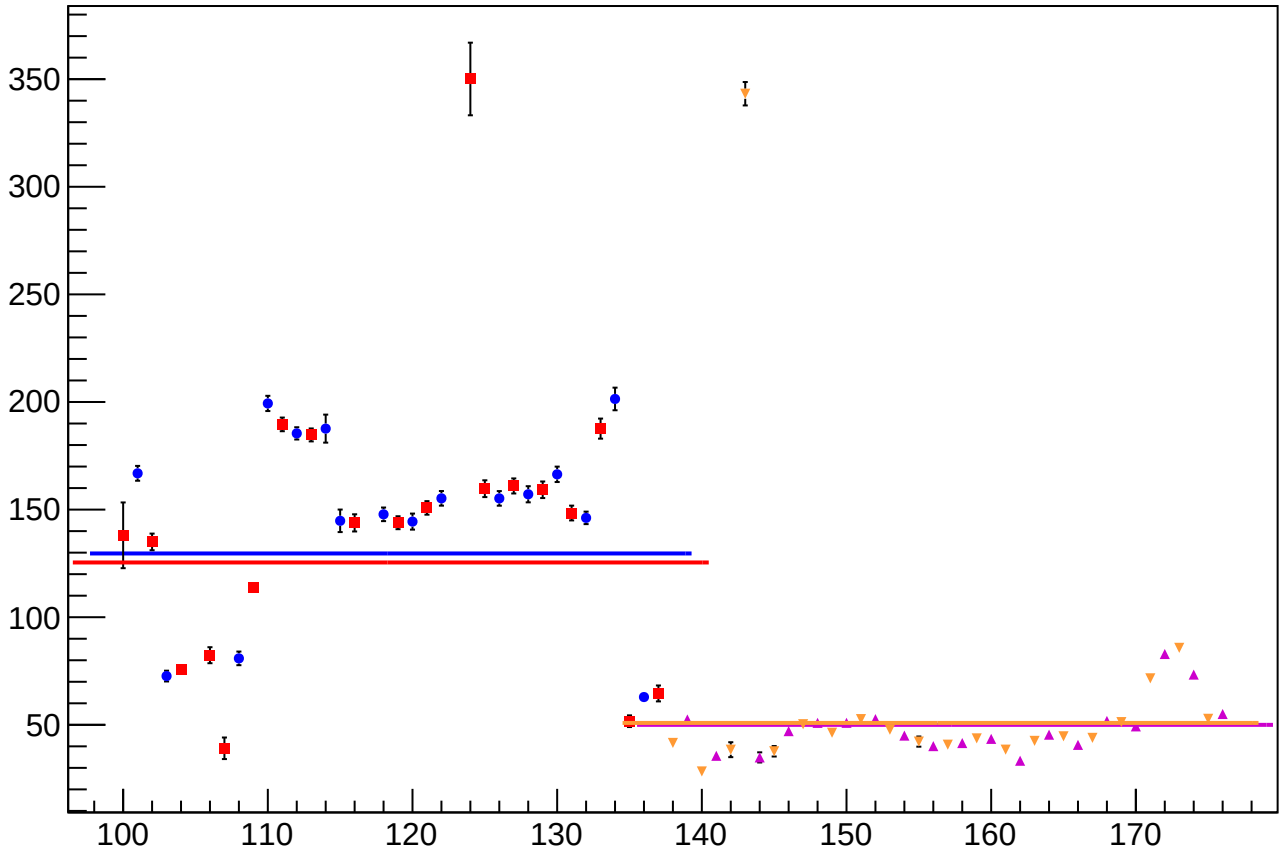
Left: -2.820+/-0.243 χ^2/NDF: 684.1/38

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -3.244+/-0.313 χ^2/NDF:458.9/34

Out: -3.316+/-0.310 χ^2/NDF:640.1/38

All: -3.280+/-0.220 χ^2/NDF: 1099.0/73



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.883+/-0.469 χ^2/NDF:3653.0/19

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 49.985+/-0.465 χ^2/NDF:722.1/18

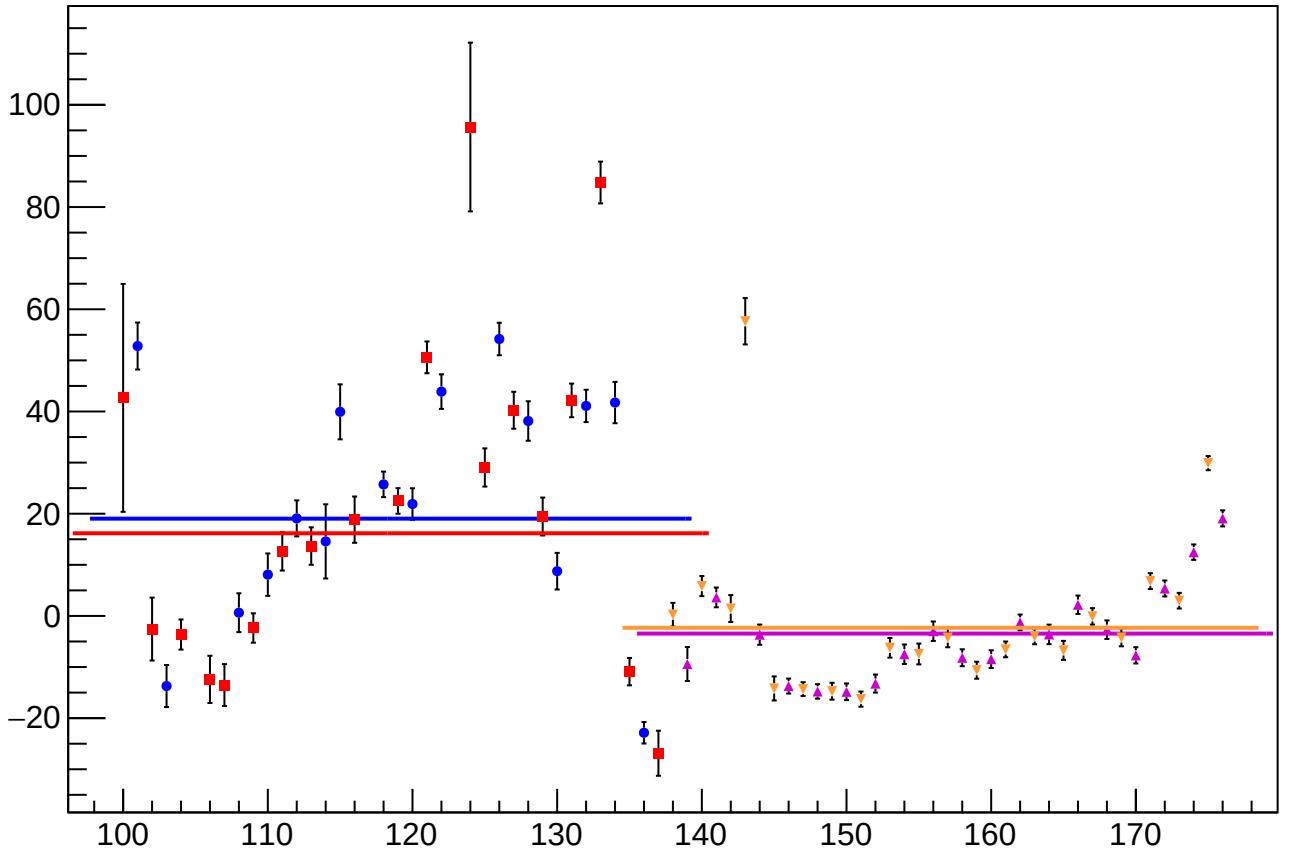
Left: 50.430+/-0.330 χ^2/NDF: 4376.9/38

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.068+/-0.402 χ^2/NDF:11745.2/34

Out: 70.345+/-0.404 χ^2/NDF:13740.1/38

All: 70.206+/-0.285 χ^2/NDF: 25485.5/73



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -2.320+/-0.391 χ^2/NDF:1086.1/19

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -3.454+/-0.393 χ^2/NDF:598.1/18

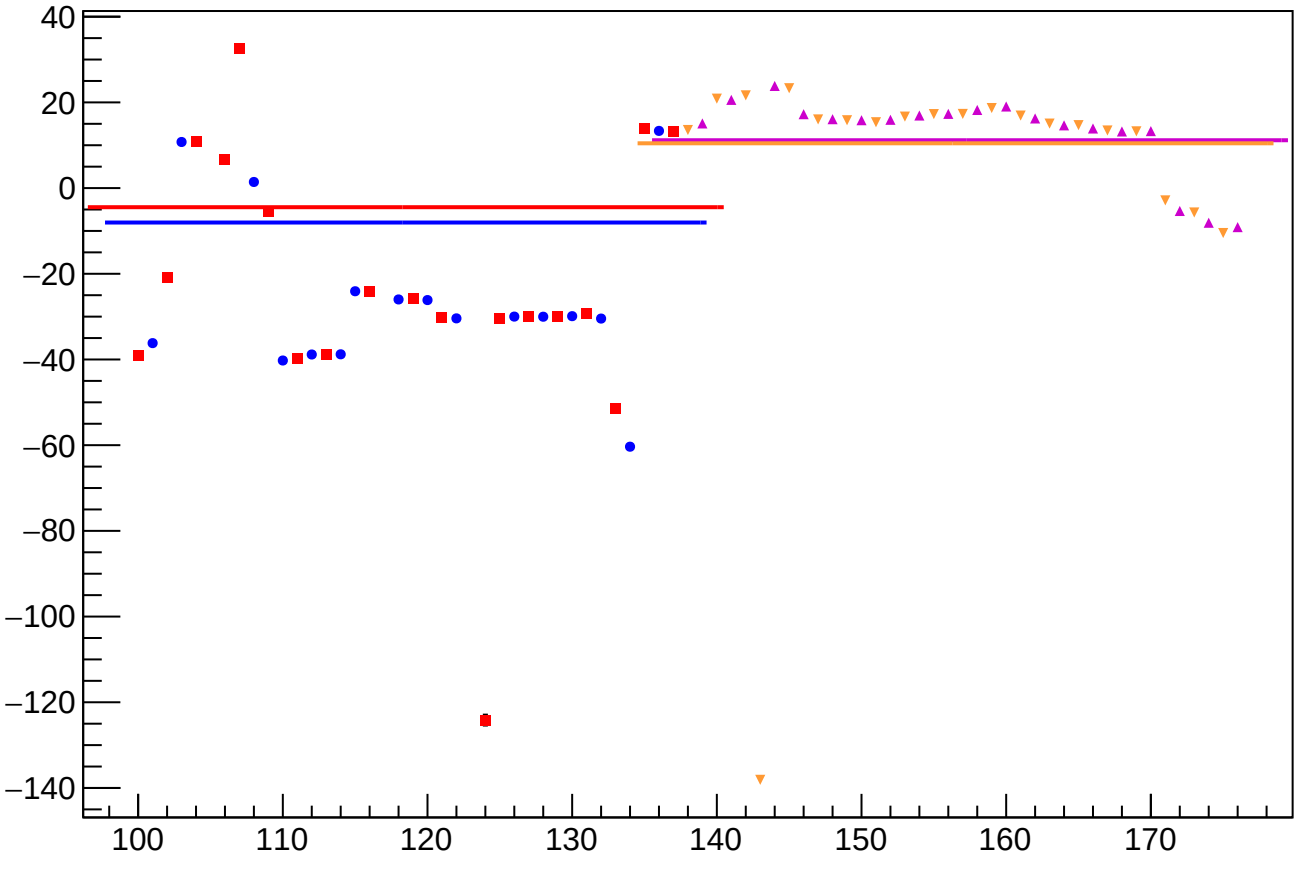
Left: -2.884+/-0.277 χ^2/NDF: 1688.4/38

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 0.428+/-0.357 χ^2/NDF:2022.1/34

Out: 0.931+/-0.355 χ^2/NDF:2421.2/38

All: 0.681+/-0.252 χ^2/NDF: 4444.3/73



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 10.451+/-0.018 χ^2/NDF:740557.5/19

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 11.166+/-0.017 χ^2/NDF:344382.1/18

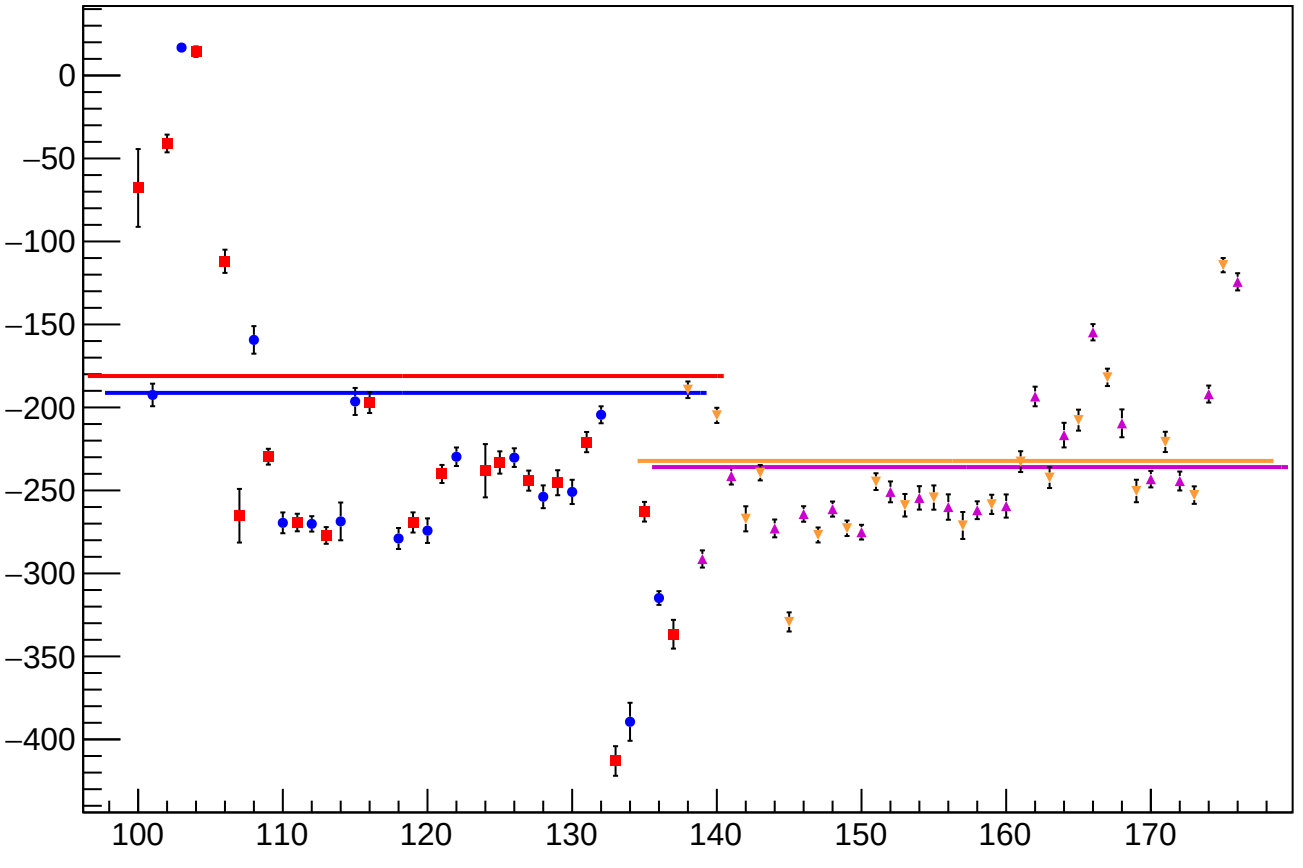
Left: 10.818+/-0.012 χ^2/NDF: 1085778.7/38

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 8.792+/-0.016 χ^2/NDF:766153.2/34

Out: 8.587+/-0.017 χ^2/NDF:1057819.4/38

All: 8.692+/-0.012 χ^2/NDF: 1824051.3/73



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -232.207+/-1.237 χ^2/NDF:1557.8/19

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -235.934+/-1.269 χ^2/NDF:1249.8/18

Left: -234.023+/-0.886 χ^2/NDF: 2812.0/38

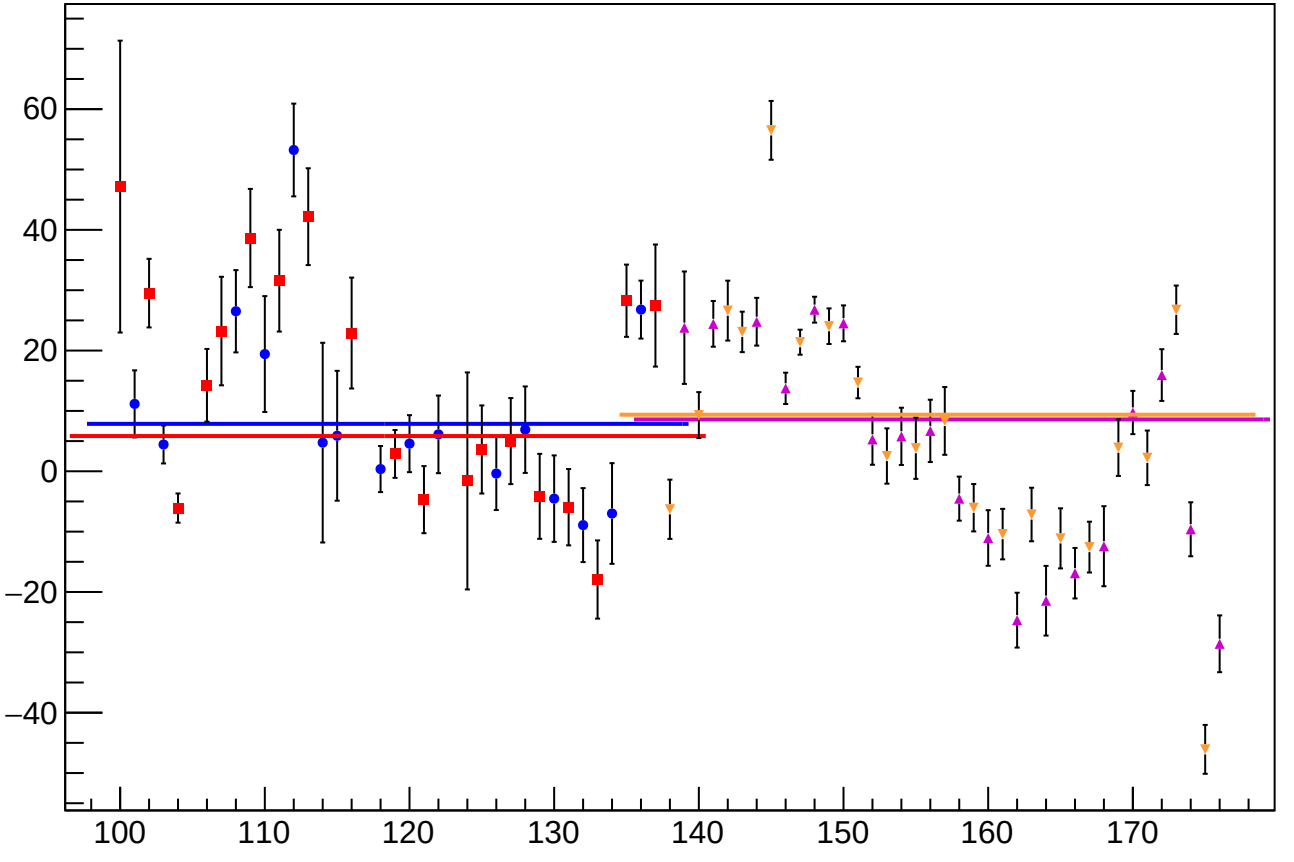
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -216.059+/-0.946 χ^2/NDF:9026.2/34

Out: -209.472+/-0.922 χ^2/NDF:9691.2/38

All: -212.681+/-0.660 χ^2/NDF: 18742.3/73

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.377+/-0.851 χ^2/NDF:504.1/19

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 8.587+/-0.887 χ^2/NDF:383.3/18

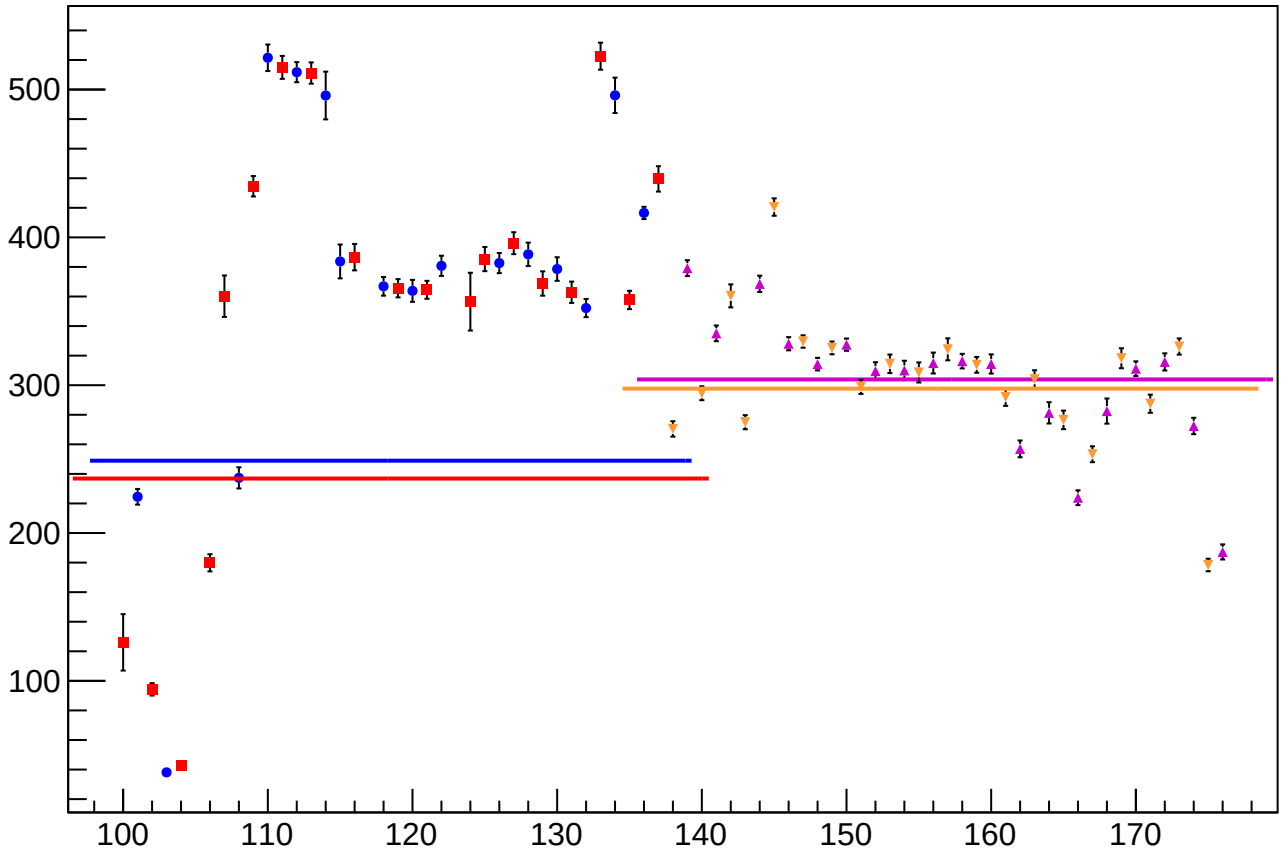
Left: 8.998+/-0.614 χ^2/NDF: 887.9/38

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 8.386+/-0.755 χ^2/NDF:464.4/34

Out: 8.377+/-0.720 χ^2/NDF:650.9/38

All: 8.381+/-0.521 χ^2/NDF: 1115.3/73



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 297.662+/-1.216 χ^2/NDF:1581.2/19

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 303.909+/-1.244 χ^2/NDF:1345.4/18

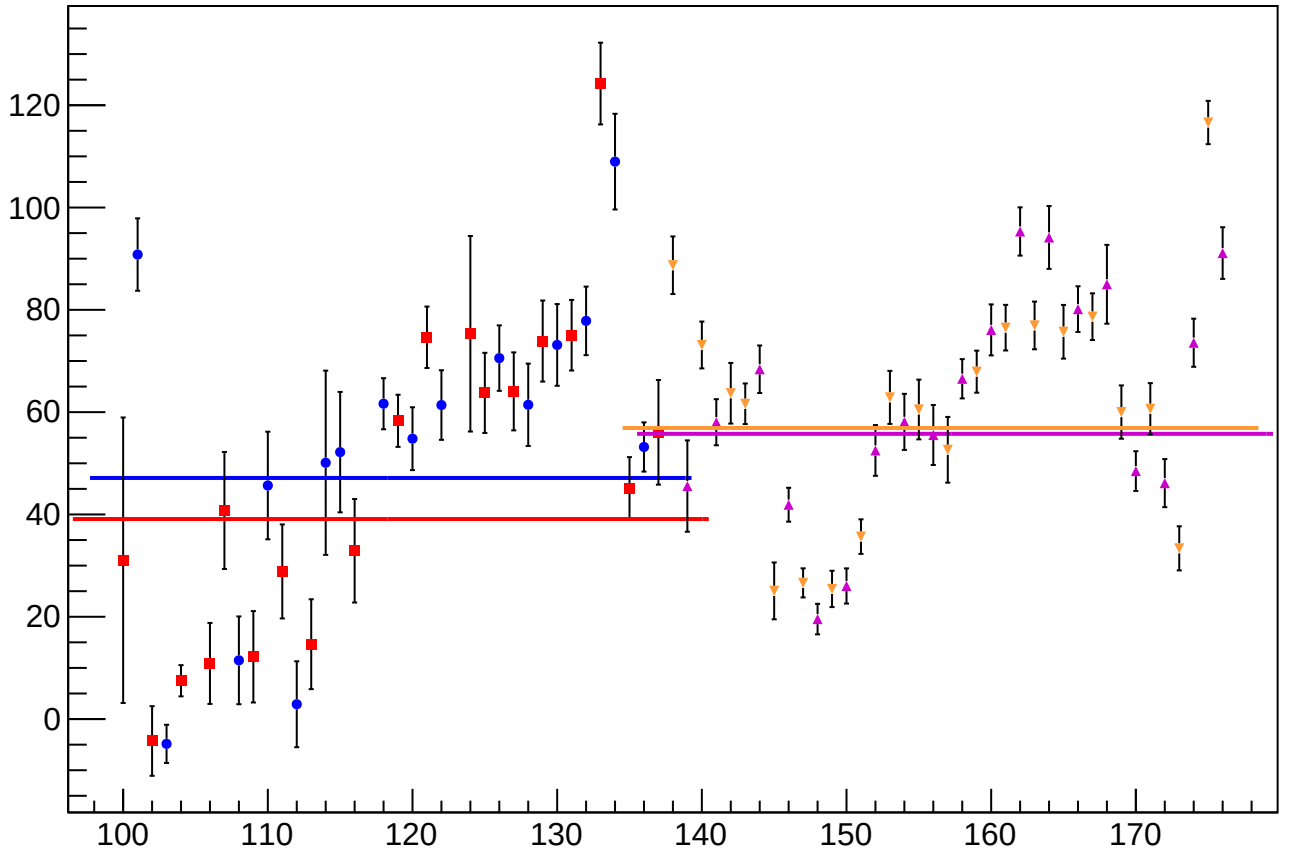
Left: 300.715+/-0.869 χ^2/NDF: 2939.5/38

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 280.075+/-0.936 χ^2/NDF:17494.7/34

Out: 271.665+/-0.920 χ^2/NDF:18307.5/38

All: 275.797+/-0.656 χ^2/NDF: 35843.2/73



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 56.899+/-0.995 χ^2/NDF:623.8/19

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 55.762+/-1.031 χ^2/NDF:498.2/18

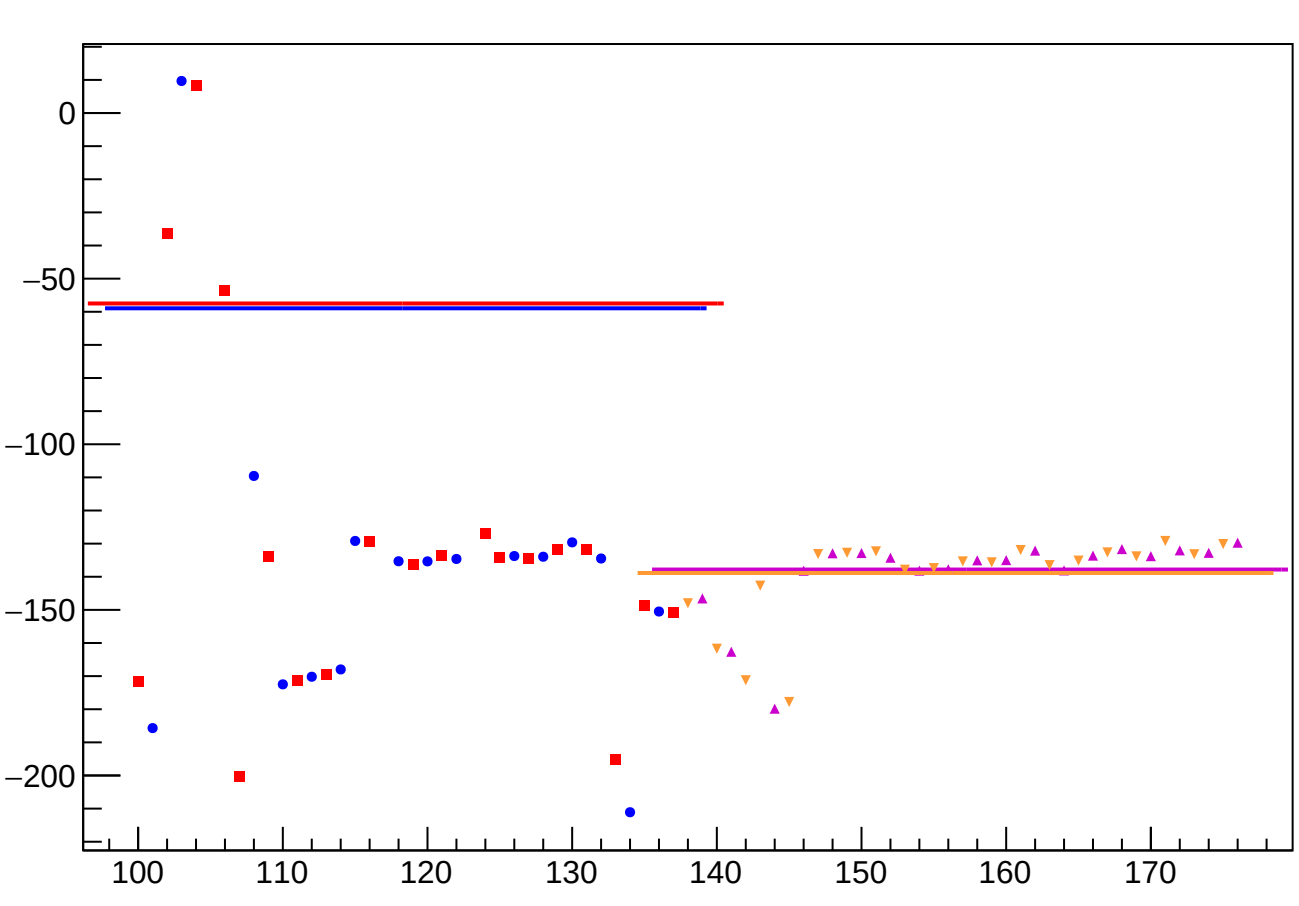
Left: 56.350+/-0.716 χ^2/NDF: 1122.6/38

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 53.379+/-0.877 χ^2/NDF:902.9/34

Out: 51.920+/-0.844 χ^2/NDF:1129.8/38

All: 52.622+/-0.608 χ^2/NDF: 2034.1/73



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.863+/-0.047 χ^2/NDF:63958.9/19

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -137.823+/-0.047 χ^2/NDF:51184.1/18

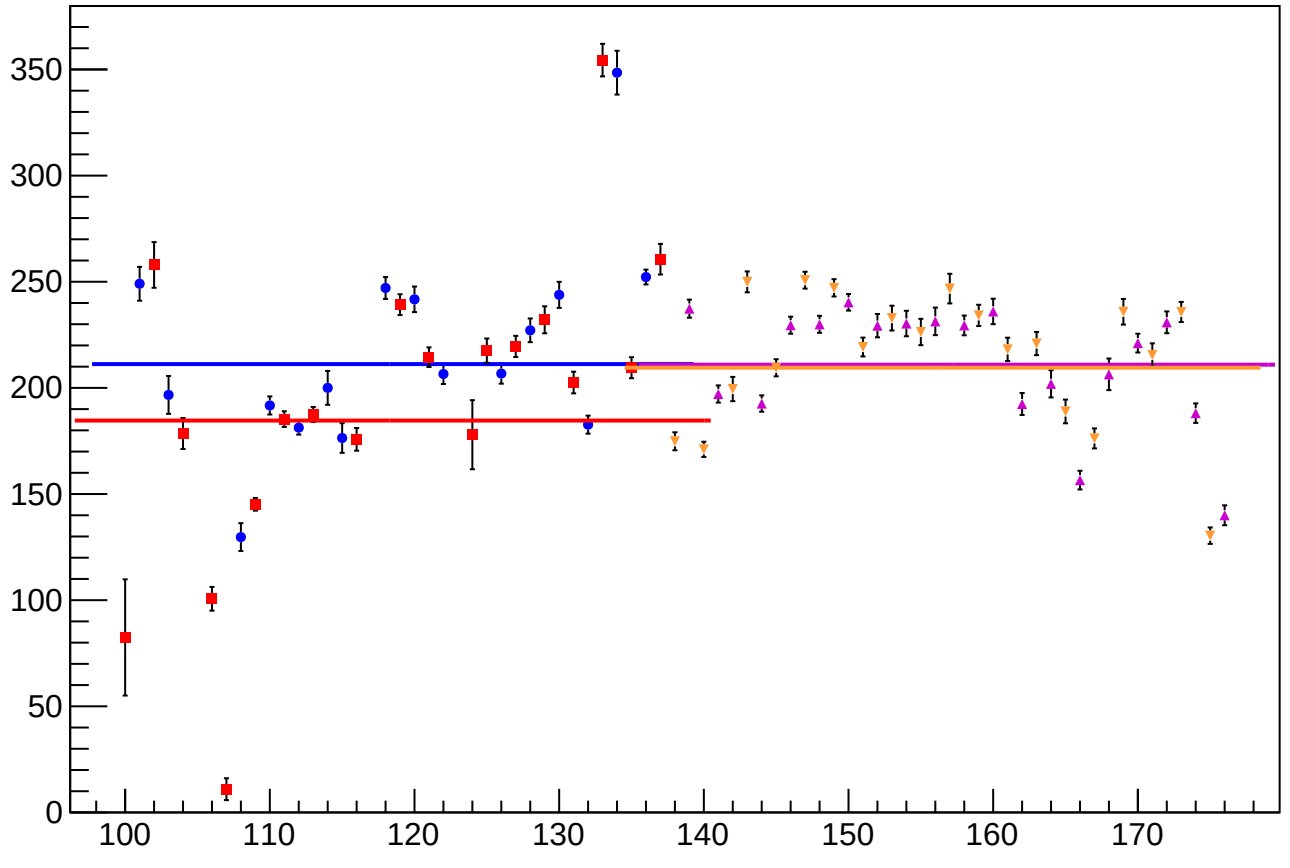
Left: -138.343+/-0.033 χ^2/NDF: 115387.9/38

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.526+/-0.039 χ^2/NDF:2109610.8/34

Out: -115.596+/-0.040 χ^2/NDF:1792479.0/38

All: -115.058+/-0.028 χ^2/NDF: 3902454.9/73



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.514+/-1.071 χ^2/NDF:1064.3/19

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 210.931+/-1.088 χ^2/NDF:679.9/18

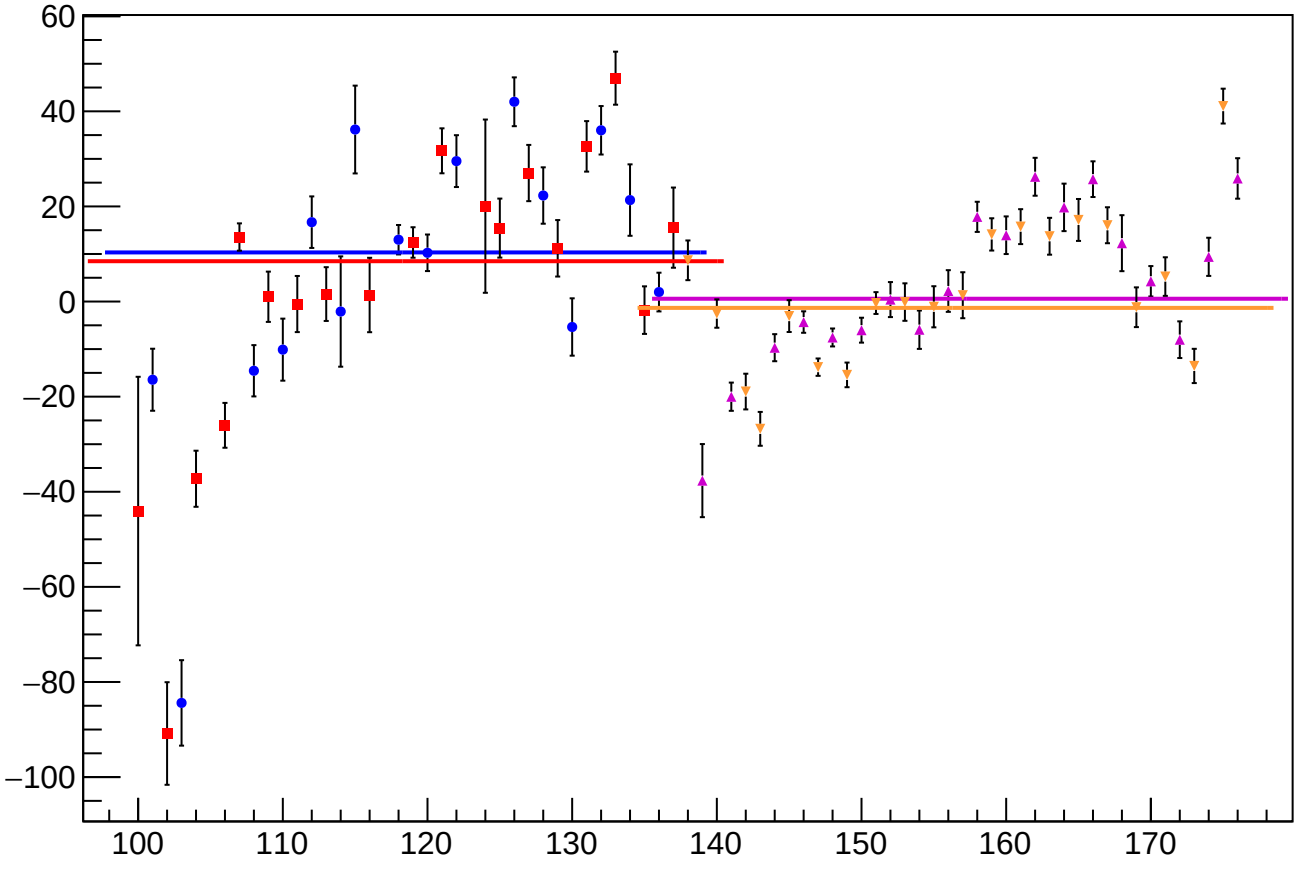
Left: 210.212+/-0.763 χ^2/NDF: 1745.1/38

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 211.046+/-0.833 χ^2/NDF:1462.9/34

Out: 198.414+/-0.797 χ^2/NDF:3845.8/38

All: 204.451+/-0.576 χ^2/NDF: 5428.7/73



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.334+/-0.740 χ^2/NDF:400.3/19

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: 0.589+/-0.764 χ^2/NDF:310.8/18

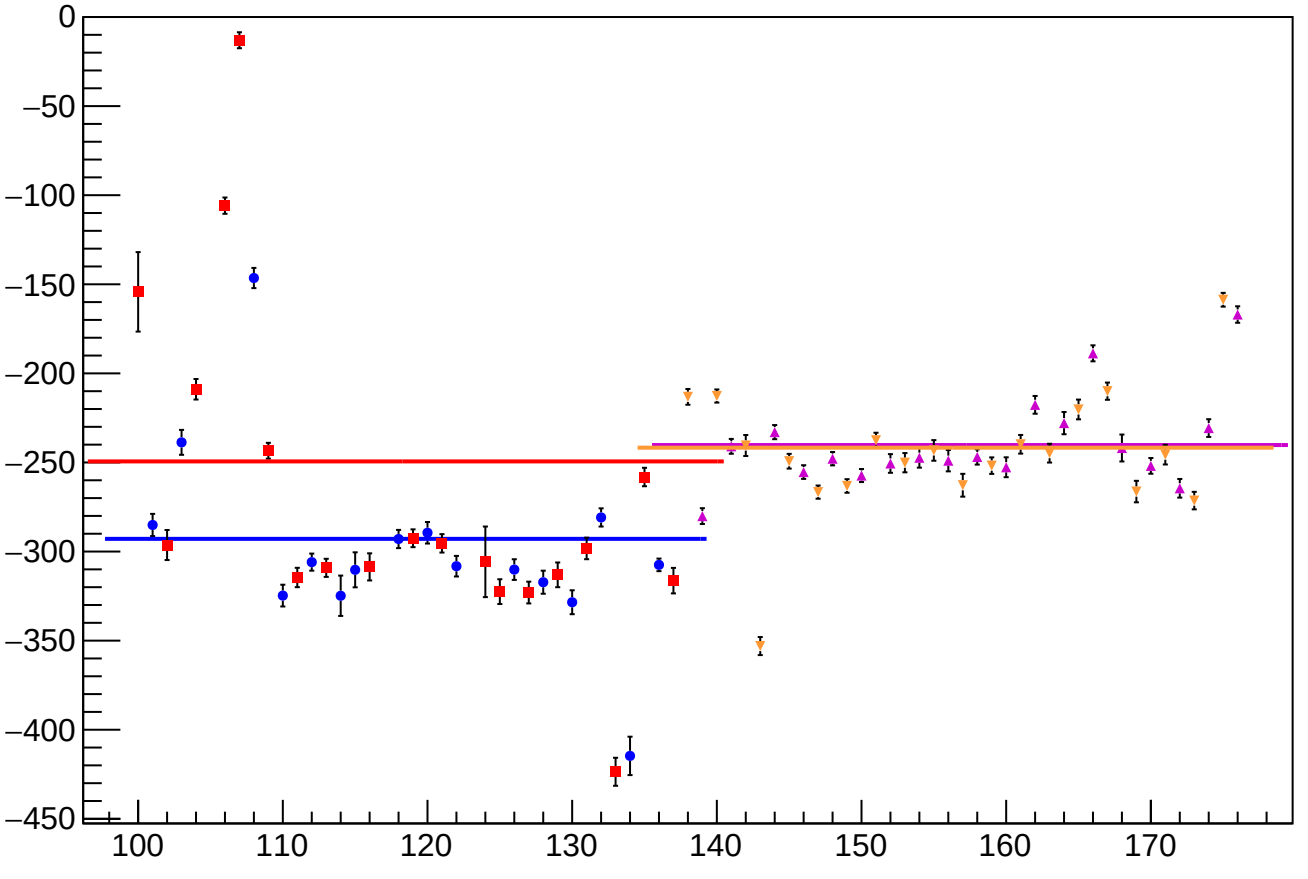
Left: -0.404+/-0.531 χ^2/NDF: 714.4/38

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.998+/-0.663 χ^2/NDF:614.3/34

Out: 1.289+/-0.633 χ^2/NDF:769.7/38

All: 2.105+/-0.458 χ^2/NDF: 1387.5/73



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.704+/-1.054 χ^2/NDF:1260.7/19

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -240.224+/-1.068 χ^2/NDF:580.1/18

Left: -240.974+/-0.750 χ^2/NDF: 1841.7/38

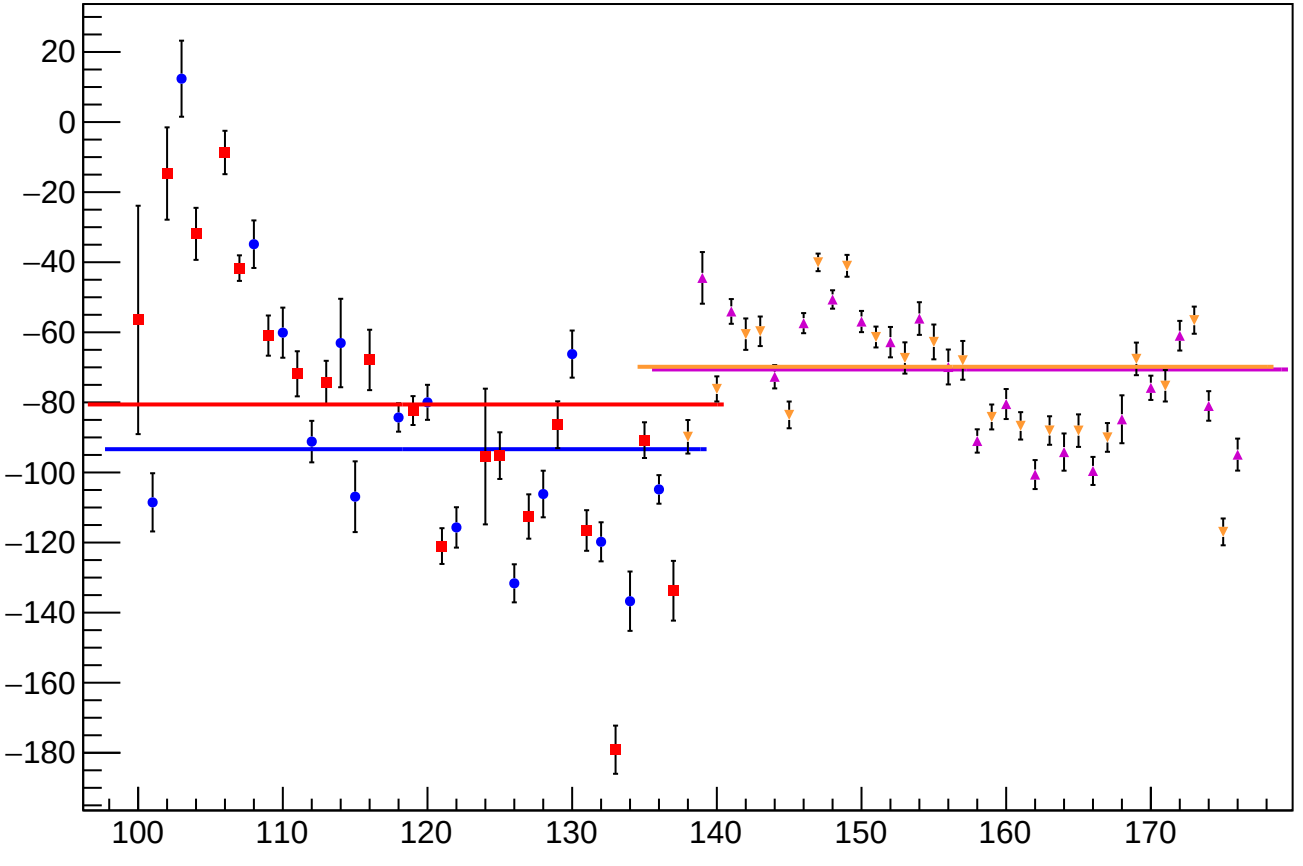
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -258.448+/-0.863 χ^2/NDF:2405.1/34

Out: -244.570+/-0.835 χ^2/NDF:6649.0/38

All: -251.276+/-0.600 χ^2/NDF: 9187.6/73

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: -69.840+/-0.865 χ^2/NDF:540.2/19

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -70.604+/-0.888 χ^2/NDF:361.0/18

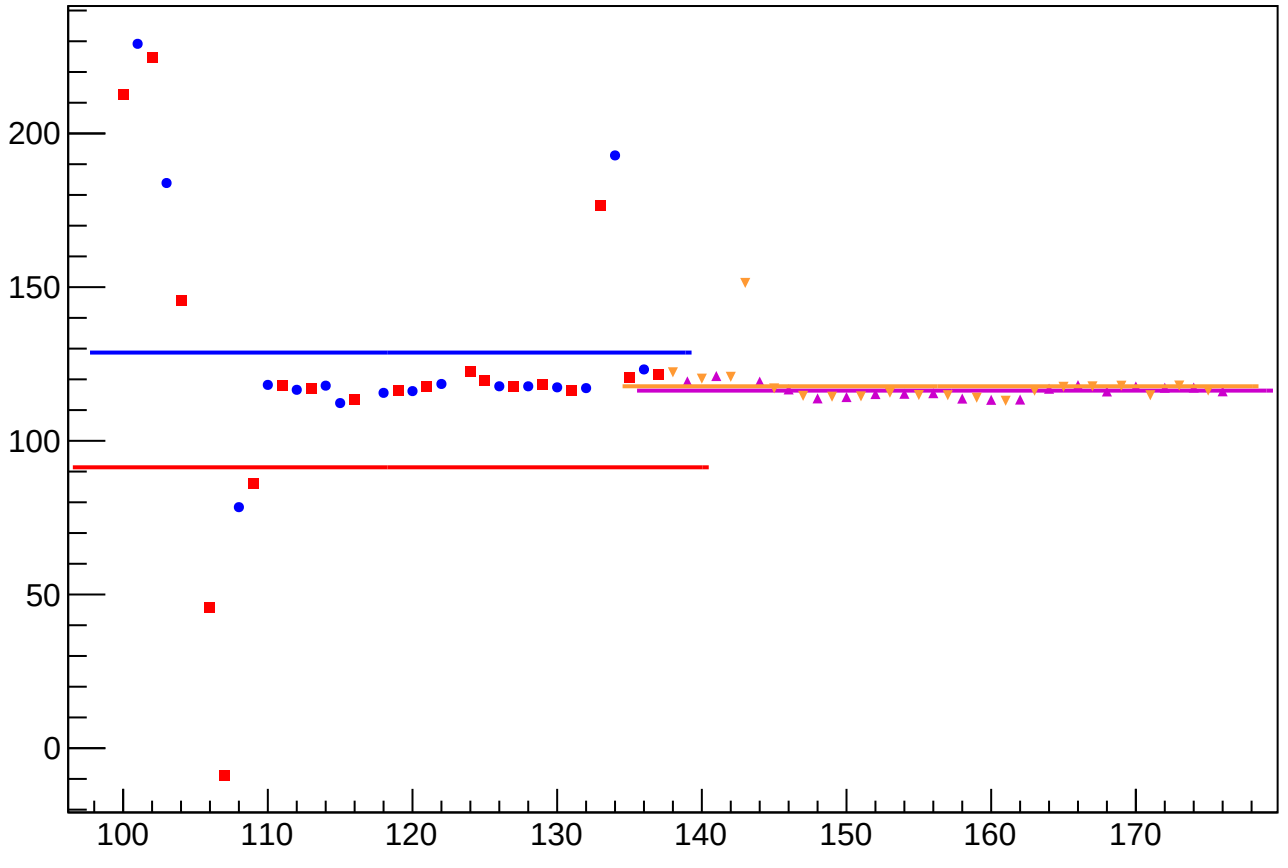
Left: -70.212+/-0.620 χ^2/NDF: 901.6/38

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.311+/-0.768 χ^2/NDF:881.1/34

Out: -72.739+/-0.739 χ^2/NDF:1297.2/38

All: -74.456+/-0.533 χ^2/NDF: 2189.5/73



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.745+/-0.041 χ^2/NDF:29745.4/19

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.335+/-0.040 χ^2/NDF:2990.0/18

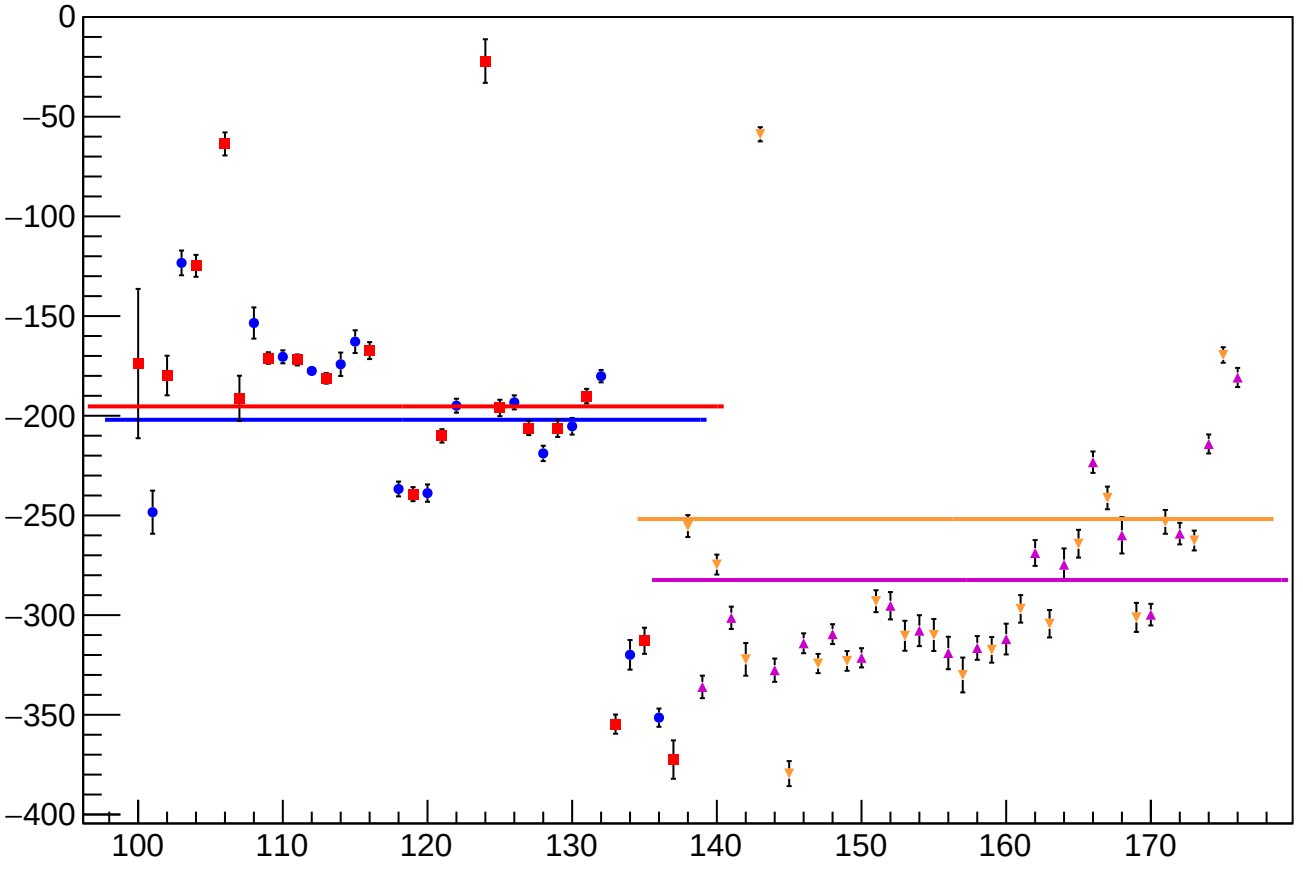
Left: 117.036+/-0.029 χ^2/NDF: 33337.8/38

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.454+/-0.037 χ^2/NDF:202501.4/34

Out: 112.213+/-0.036 χ^2/NDF:722496.6/38

All: 115.278+/-0.026 χ^2/NDF: 939577.6/73



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -251.799+/-1.264 χ^2/NDF:4839.5/19

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -282.376+/-1.342 χ^2/NDF:1194.3/18

Left: -266.174+/-0.920 χ^2/NDF: 6308.9/38

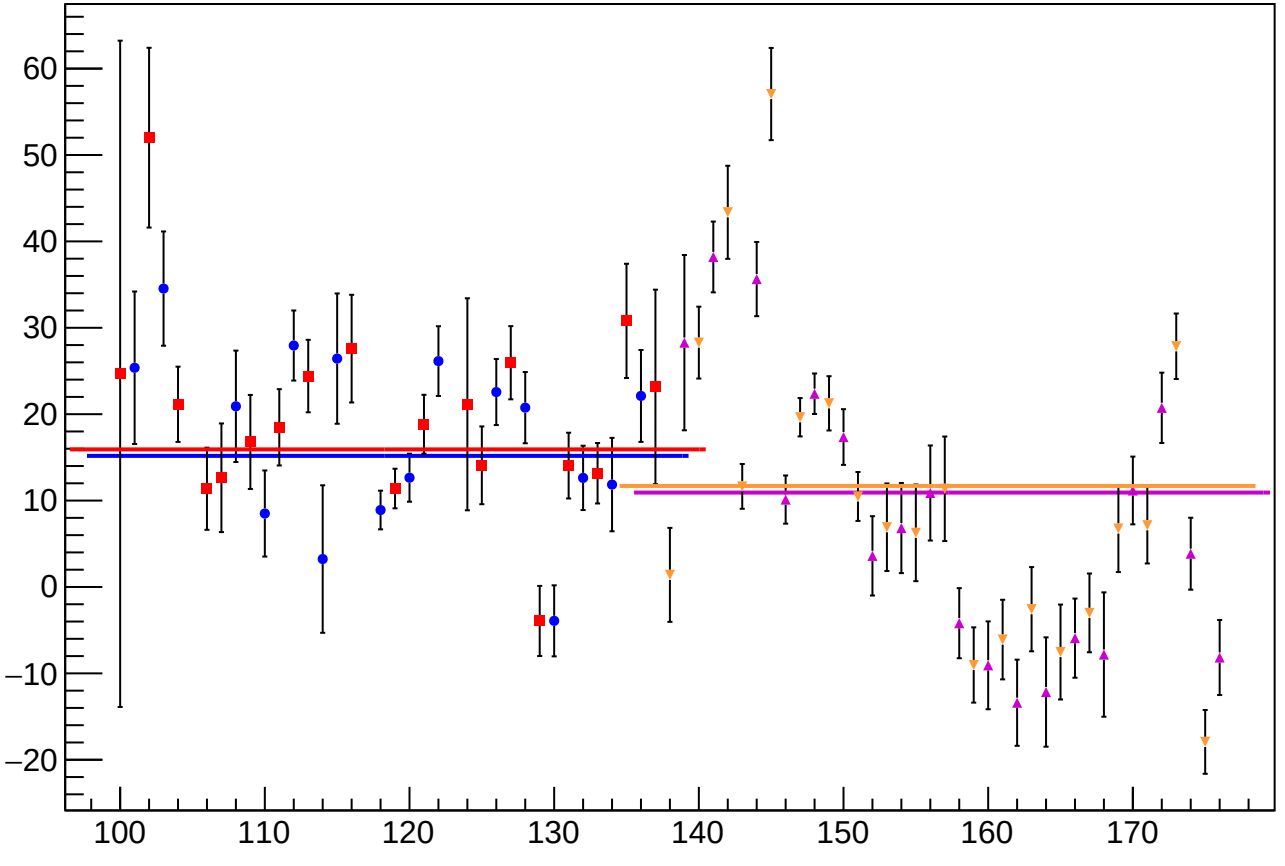
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.600+/-0.814 χ^2/NDF:5501.1/34

Out: -216.362+/-0.772 χ^2/NDF:9193.5/38

All: -223.573+/-0.560 χ^2/NDF: 14879.2/73

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: 11.695+/-0.879 χ^2/NDF:303.7/19

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 10.928+/-0.947 χ^2/NDF:226.1/18

Left: 11.340+/-0.644 χ^2/NDF: 530.2/38

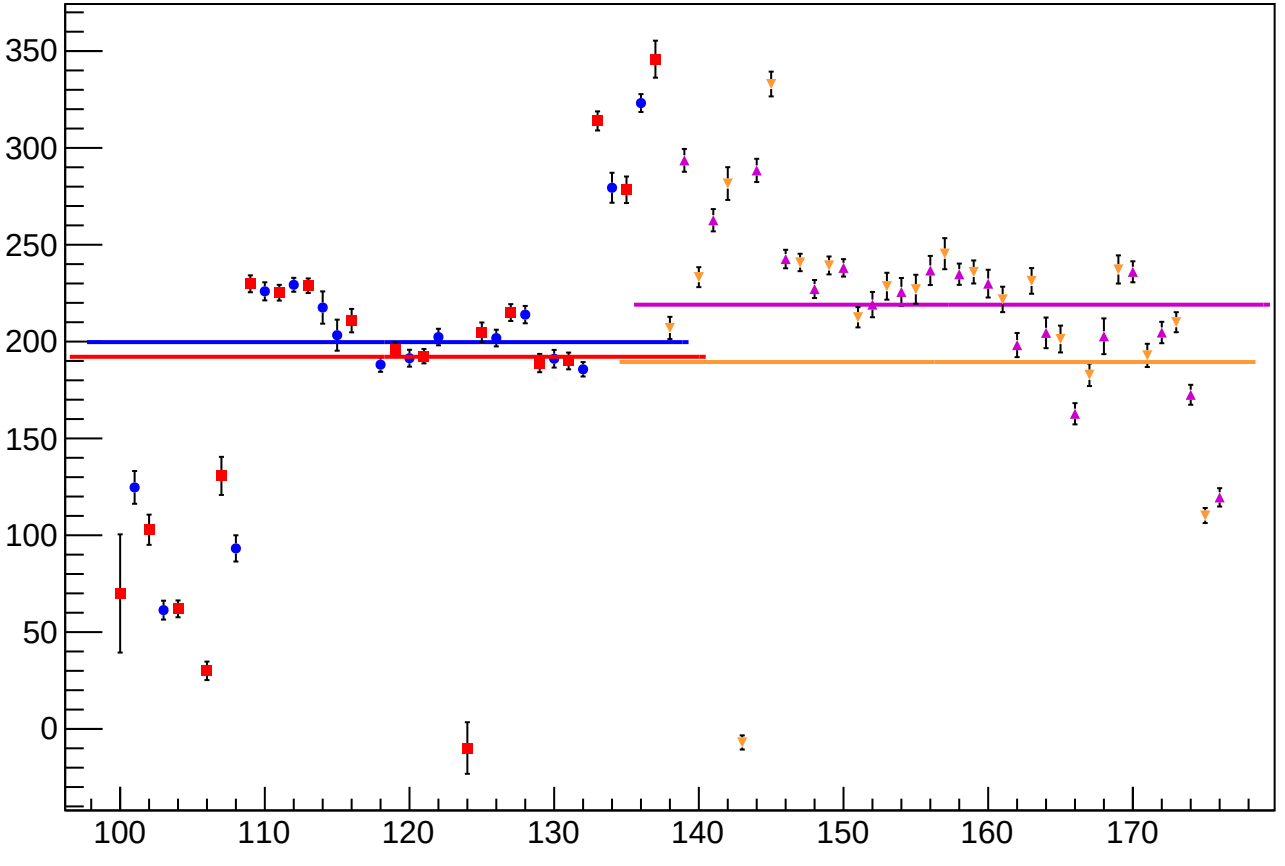
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 12.838+/-0.703 χ^2/NDF:307.5/34

Out: 13.464+/-0.671 χ^2/NDF:376.9/38

All: 13.166+/-0.485 χ^2/NDF: 684.9/73

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 189.448+/-1.247 χ^2/NDF:4560.0/19

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 219.047+/-1.319 χ^2/NDF:1075.4/18

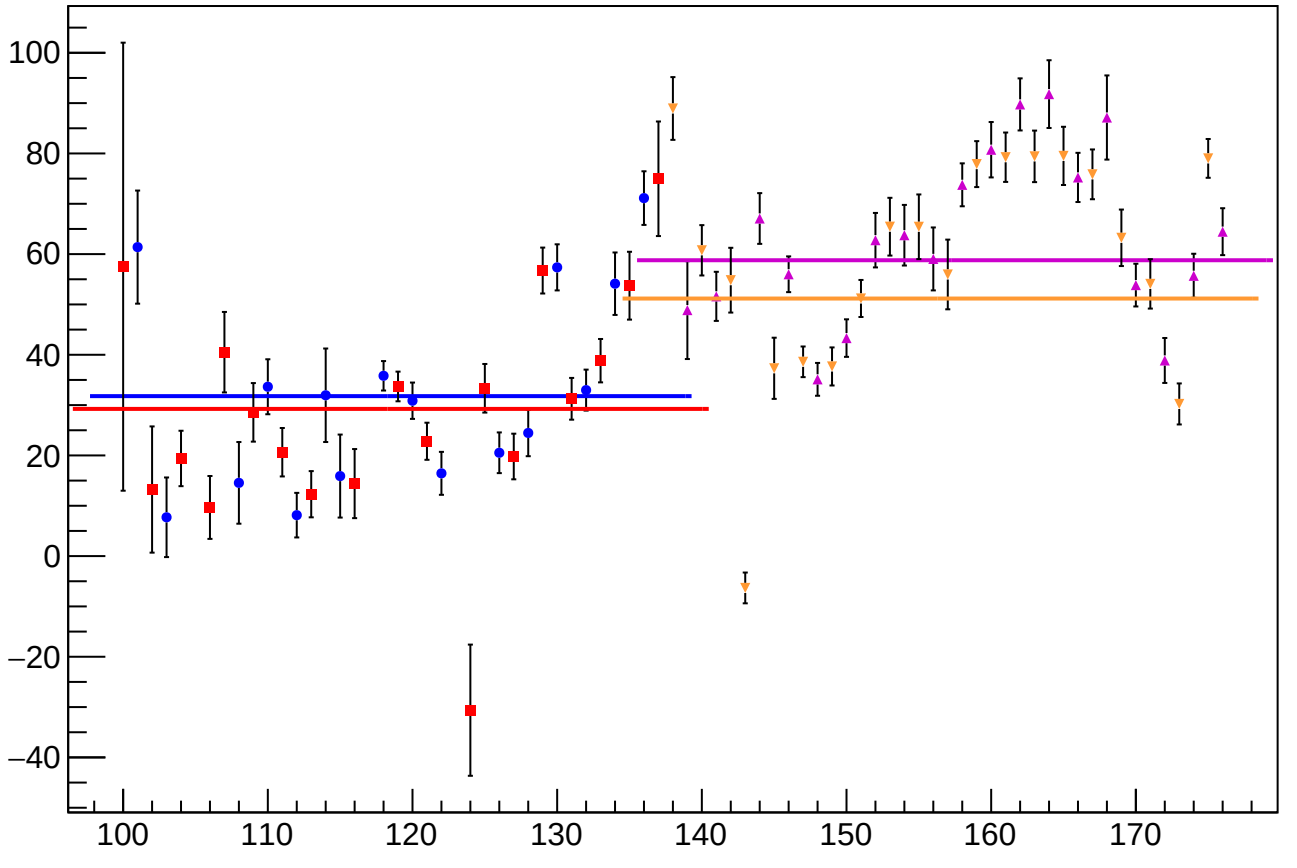
Left: 203.424+/-0.906 χ^2/NDF: 5901.4/38

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 208.442+/-0.886 χ^2/NDF:3294.9/34

Out: 190.911+/-0.846 χ^2/NDF:8339.7/38

All: 199.270+/-0.612 χ^2/NDF: 11839.5/73



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.173+/-1.026 χ^2/NDF:670.6/19

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.783+/-1.096 χ^2/NDF:211.7/18

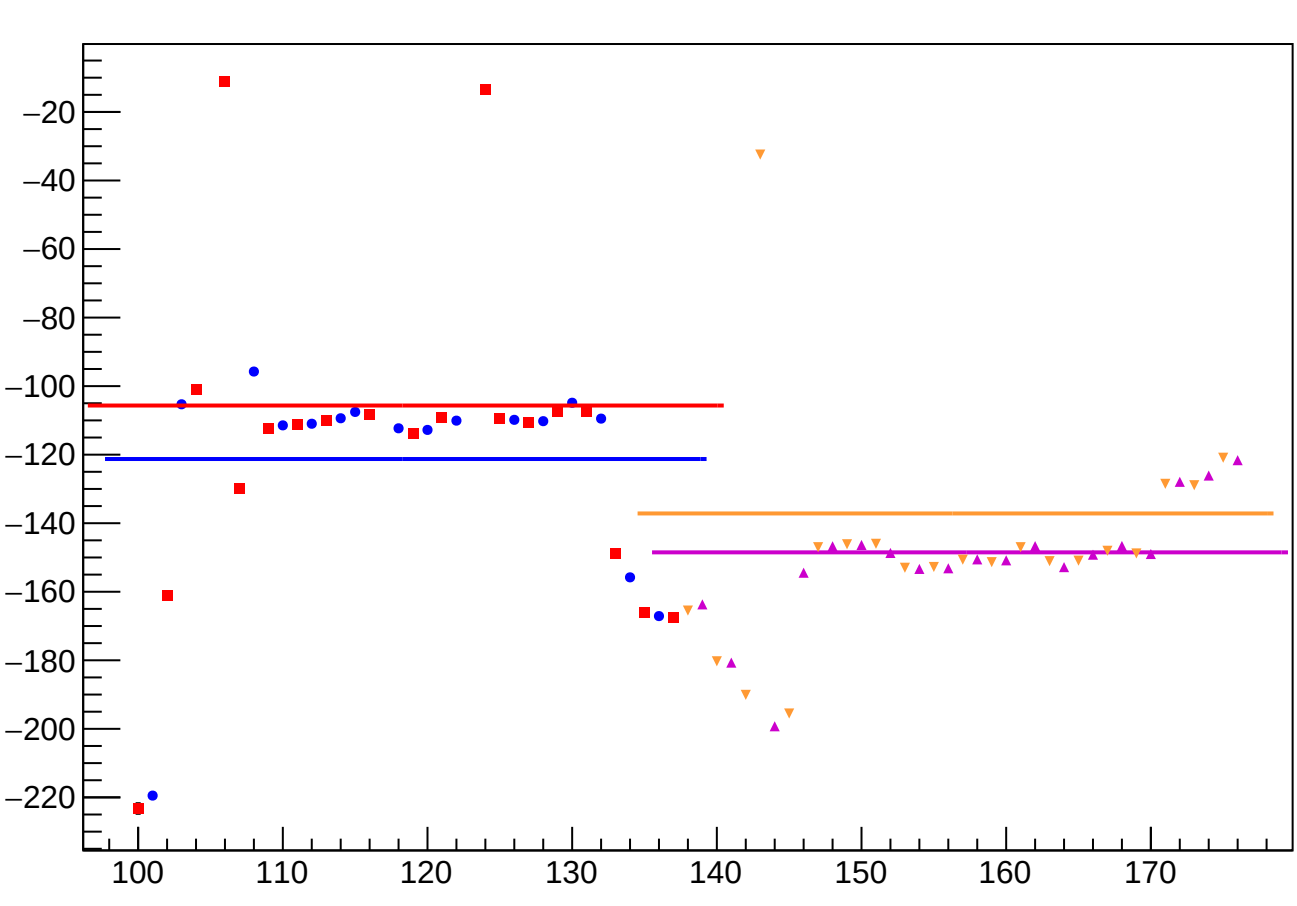
Left: 54.725+/-0.749 χ^2/NDF: 908.0/38

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.680+/-0.814 χ^2/NDF:660.5/34

Out: 41.883+/-0.779 χ^2/NDF:1005.1/38

All: 44.175+/-0.563 χ^2/NDF: 1683.7/73



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.153+/-0.049 χ^2/NDF:648392.4/19

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -148.505+/-0.050 χ^2/NDF:106827.5/18

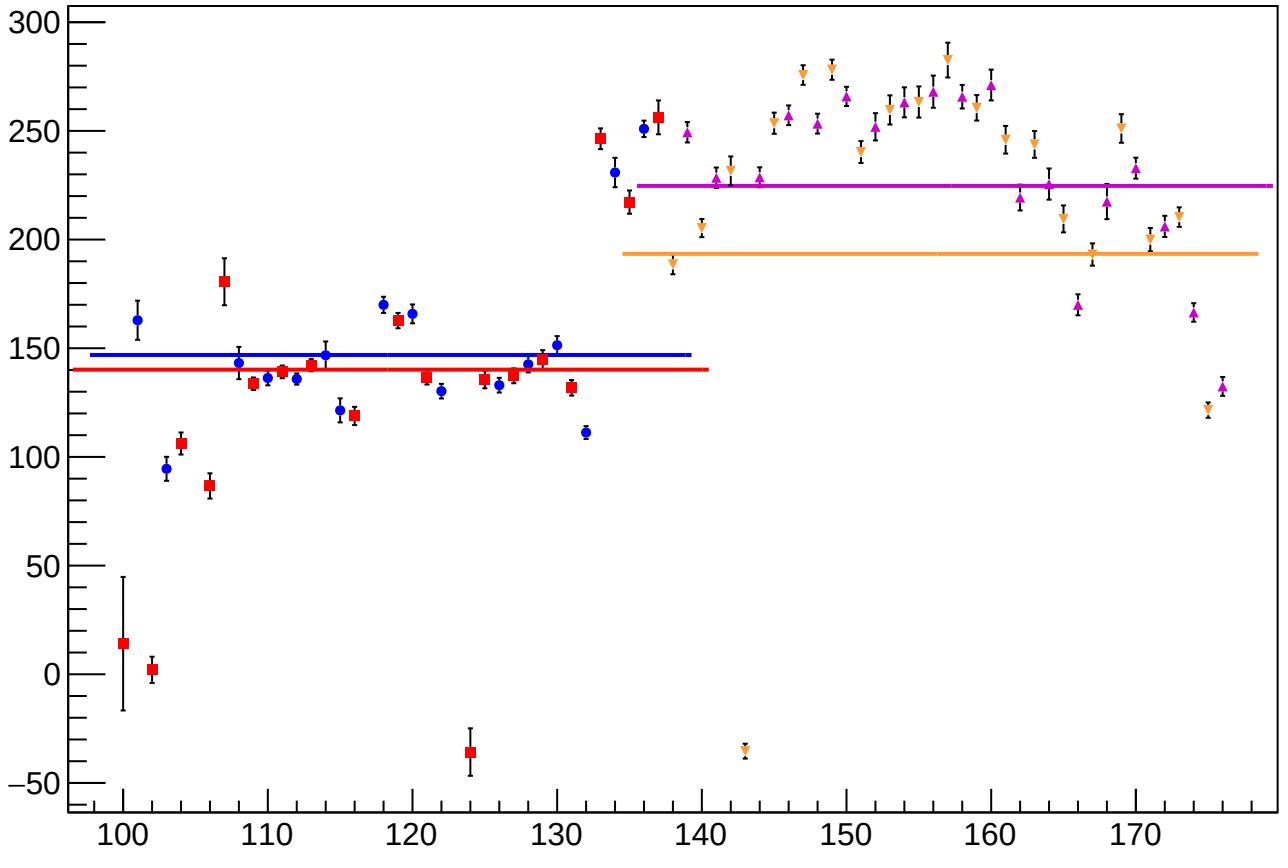
Left: -142.676+/-0.035 χ^2/NDF: 781869.5/38

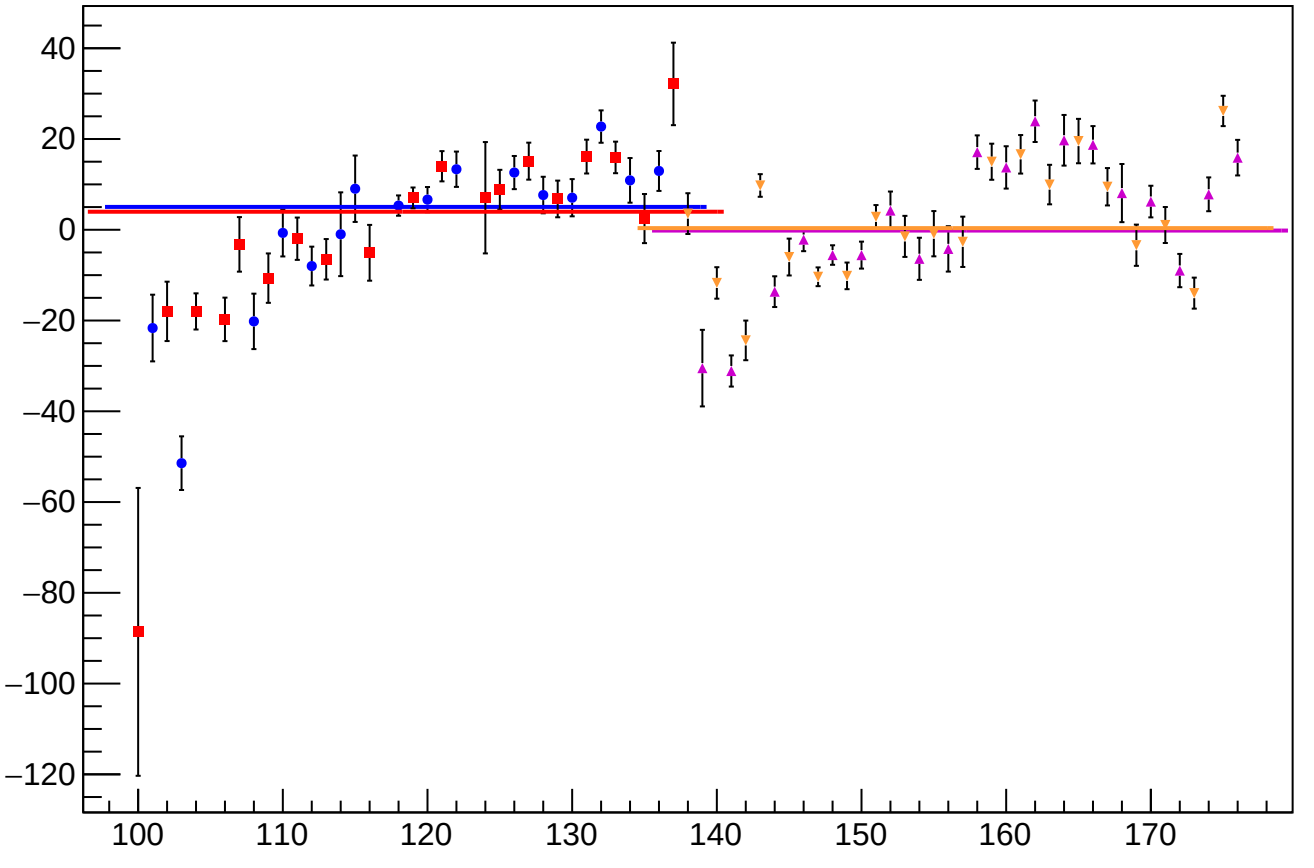
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -140.784+/-0.042 χ^2/NDF:310920.1/34

Out: -127.813+/-0.041 χ^2/NDF:1128495.6/38

All: -134.064+/-0.029 χ^2/NDF: 1488411.8/73


reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 146.905+/-1.003 χ²/NDF: 1302.0/15
Left Out: 193.440+/-1.131 χ²/NDF:6527.9/19
Right Out: 140.153+/-0.960 χ²/NDF: 1950.6/18
Left In: 224.700+/-1.192 χ²/NDF:1176.4/18
Left: 208.252+/-0.821 χ²/NDF: 8066.0/38
Right: 143.381+/-0.694 χ²/NDF: 3276.2/34
In: 179.160+/-0.768 χ²/NDF:4971.1/34
Out: 162.462+/-0.732 χ²/NDF:9768.3/38
All: 170.414+/-0.530 χ²/NDF: 14987.2/73



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.363+/-0.794 χ^2/NDF:233.9/19

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -0.176+/-0.849 χ^2/NDF:248.3/18

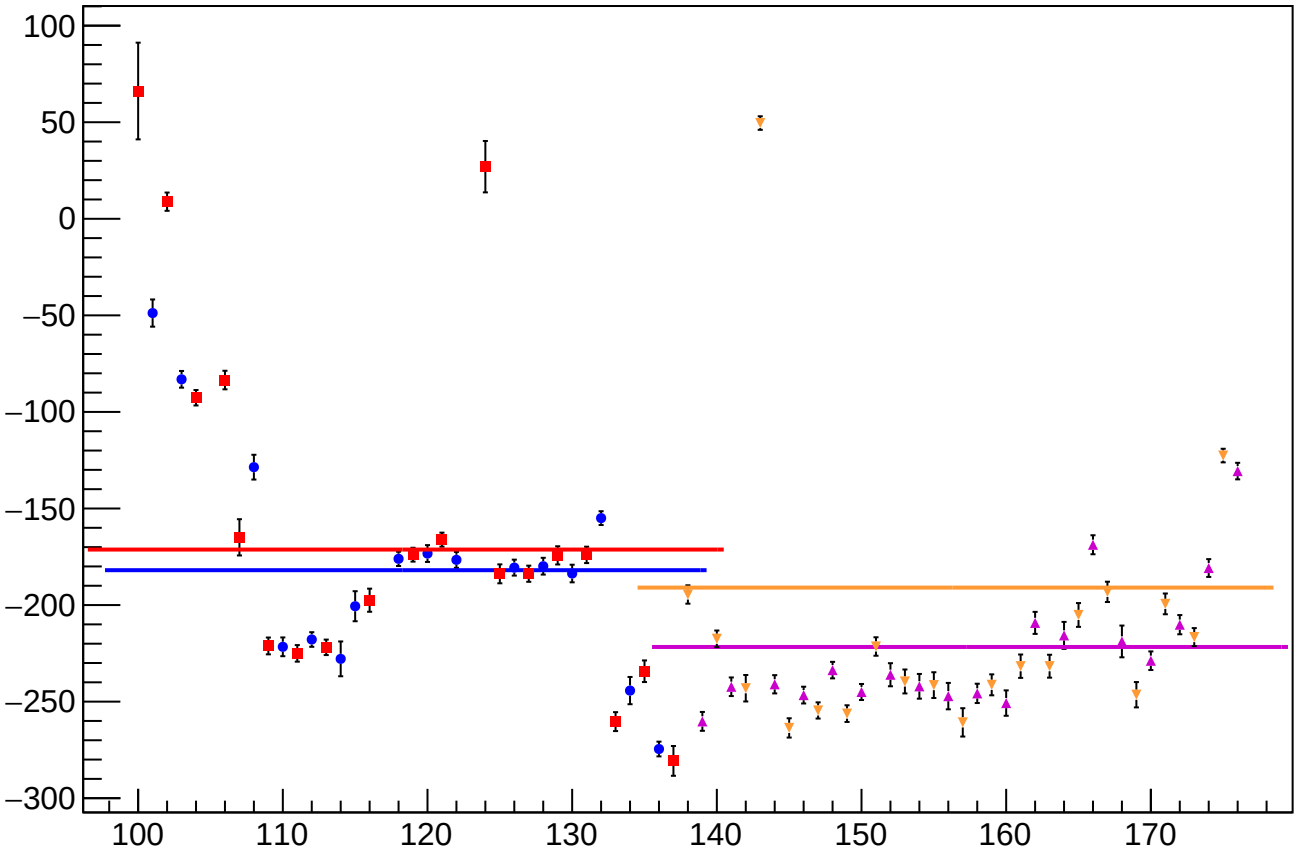
Left: 0.112+/-0.580 χ^2/NDF: 482.4/38

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.955+/-0.653 χ^2/NDF:435.6/34

Out: 1.739+/-0.625 χ^2/NDF:386.7/38

All: 1.842+/-0.451 χ^2/NDF: 822.3/73



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -190.958+/-1.119 χ^2/NDF:6360.2/19

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -221.701+/-1.174 χ^2/NDF:900.8/18

Left: -205.583+/-0.810 χ^2/NDF: 7620.2/38

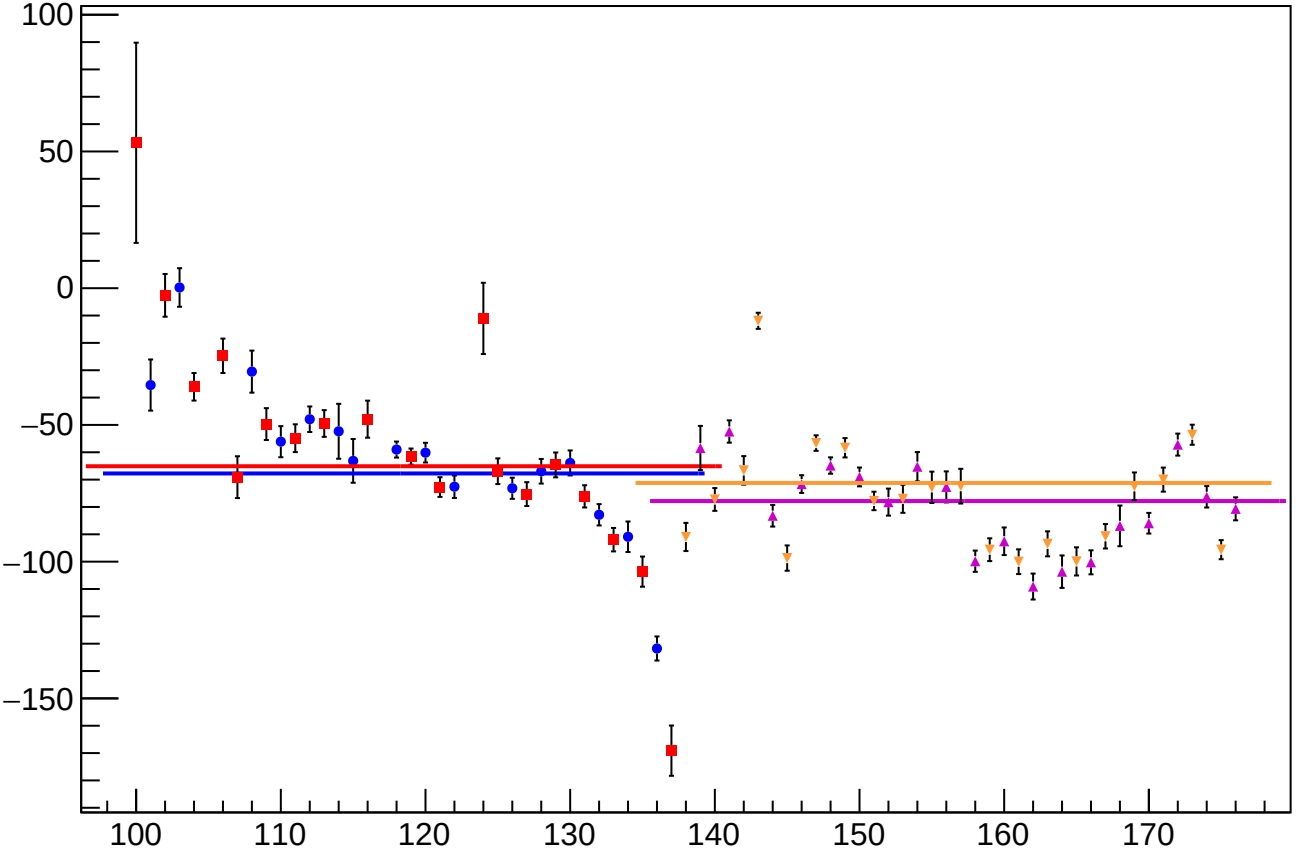
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -201.474+/-0.823 χ^2/NDF:3354.2/34

Out: -181.043+/-0.788 χ^2/NDF:10144.4/38

All: -190.818+/-0.569 χ^2/NDF: 13820.0/73

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: -71.215+/-0.925 χ^2/NDF:725.3/19

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.834+/-0.981 χ^2/NDF:243.8/18

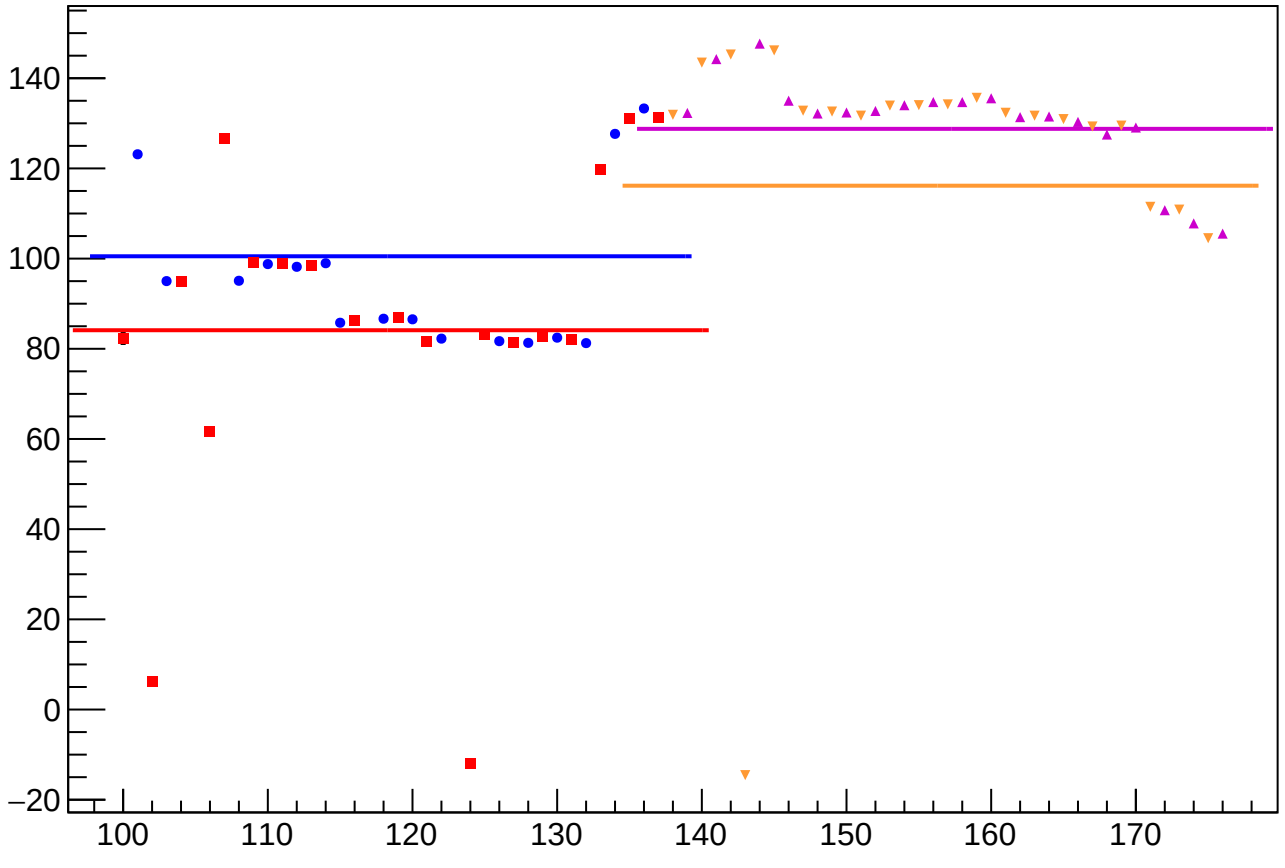
Left: -74.328+/-0.673 χ^2/NDF: 993.2/38

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.713+/-0.755 χ^2/NDF:701.0/34

Out: -68.858+/-0.725 χ^2/NDF:1171.2/38

All: -71.187+/-0.523 χ^2/NDF: 1893.7/73



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.167+/-0.044 χ^2/NDF:945259.0/19

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 128.773+/-0.044 χ^2/NDF:64972.2/18

Left: 122.338+/-0.031 χ^2/NDF: 1051327.5/38

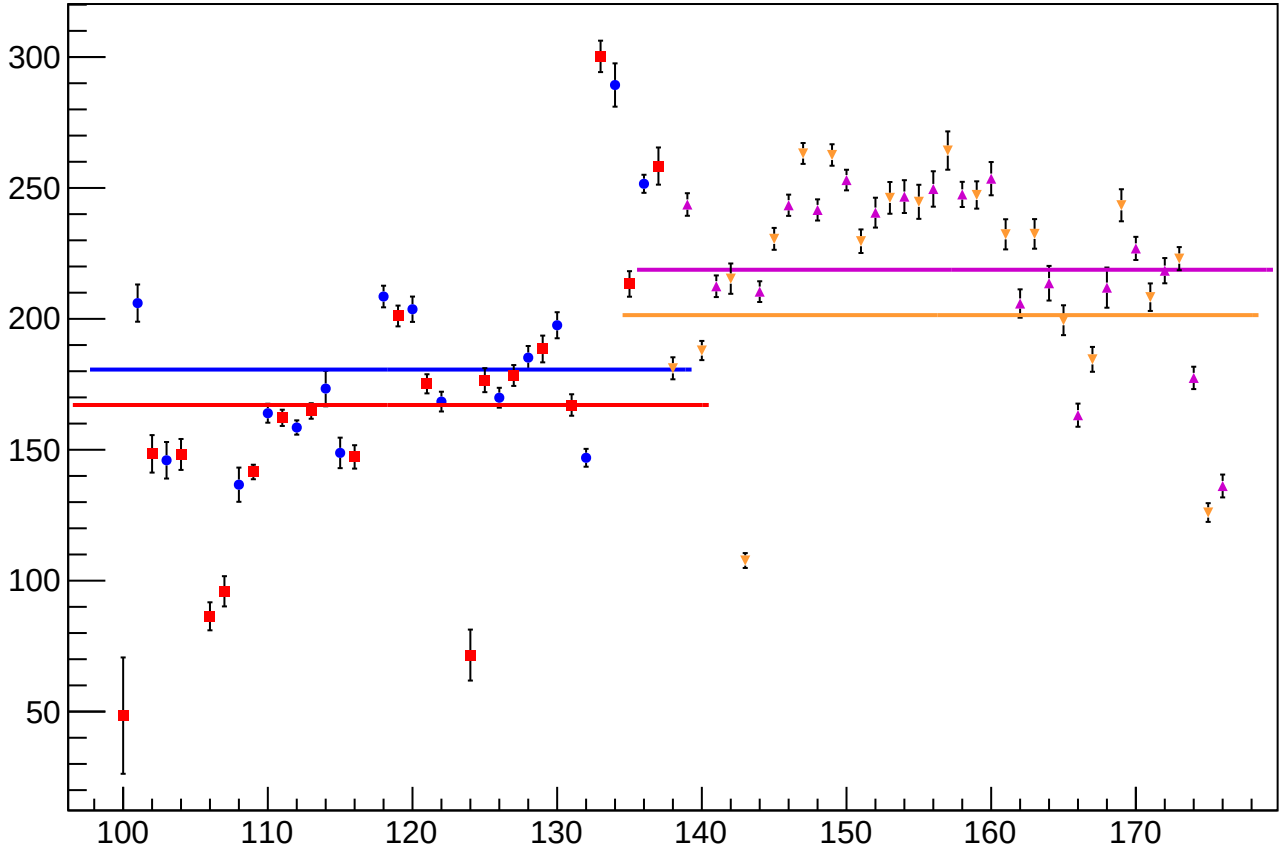
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 121.281+/-0.038 χ^2/NDF:239683.0/34

Out: 107.087+/-0.037 χ^2/NDF:1362767.8/38

All: 113.947+/-0.026 χ^2/NDF: 1674204.8/73

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: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

Left: 209.542+/-0.749 χ^2/NDF: 3577.9/38

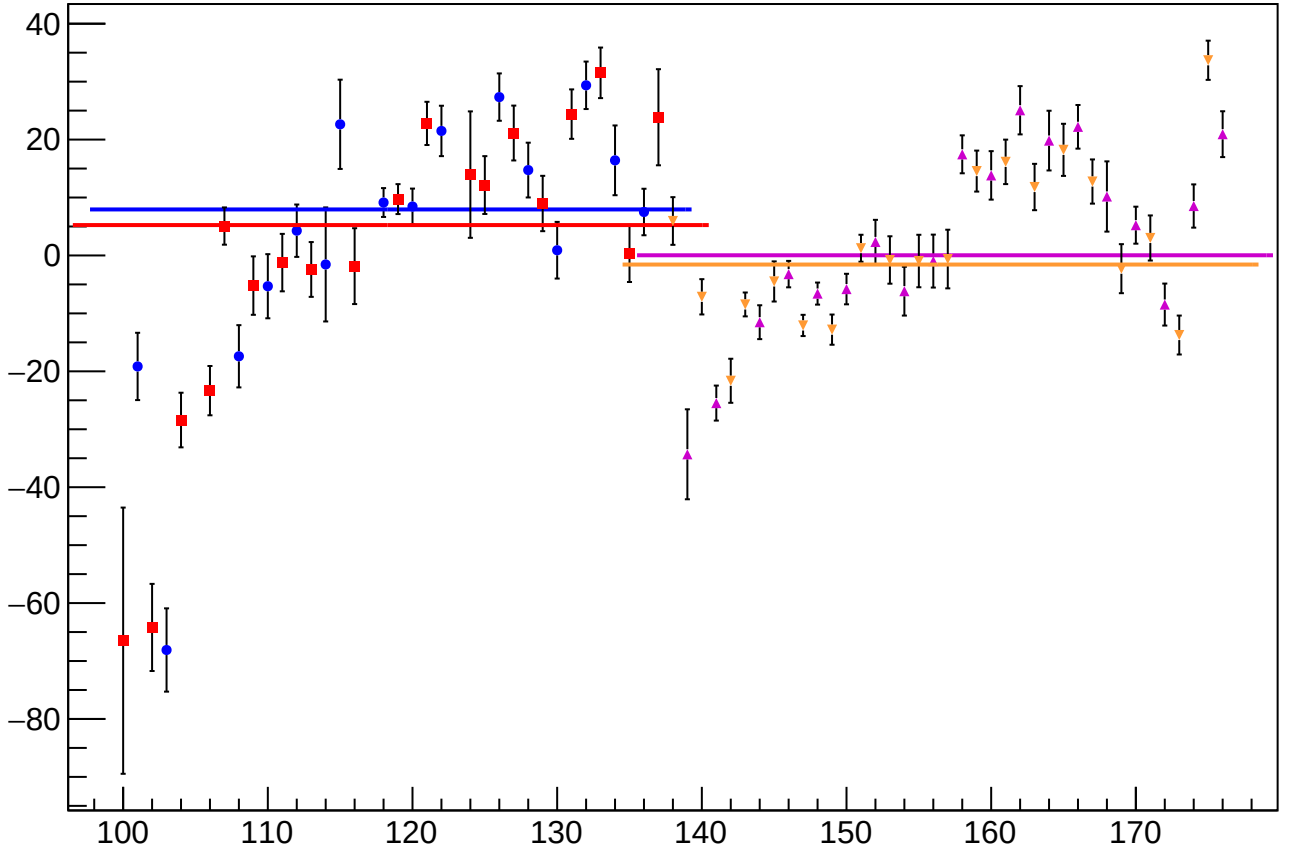
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73

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: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

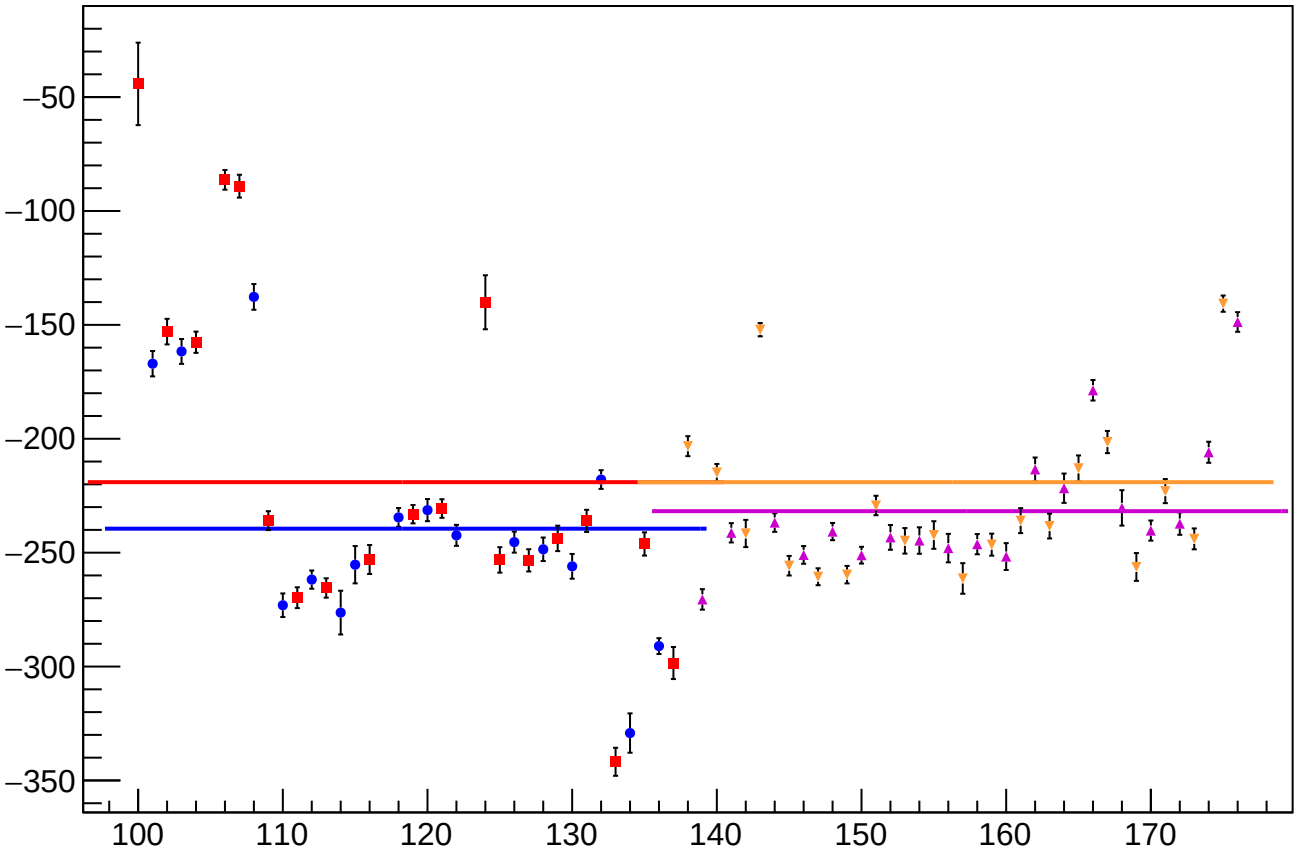
Left: -0.829+/-0.524 χ^2/NDF: 608.5/38

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.507+/-0.433 χ^2/NDF: 1210.0/73



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

Left: -225.049+/-0.738 χ^2/NDF: 2374.7/38

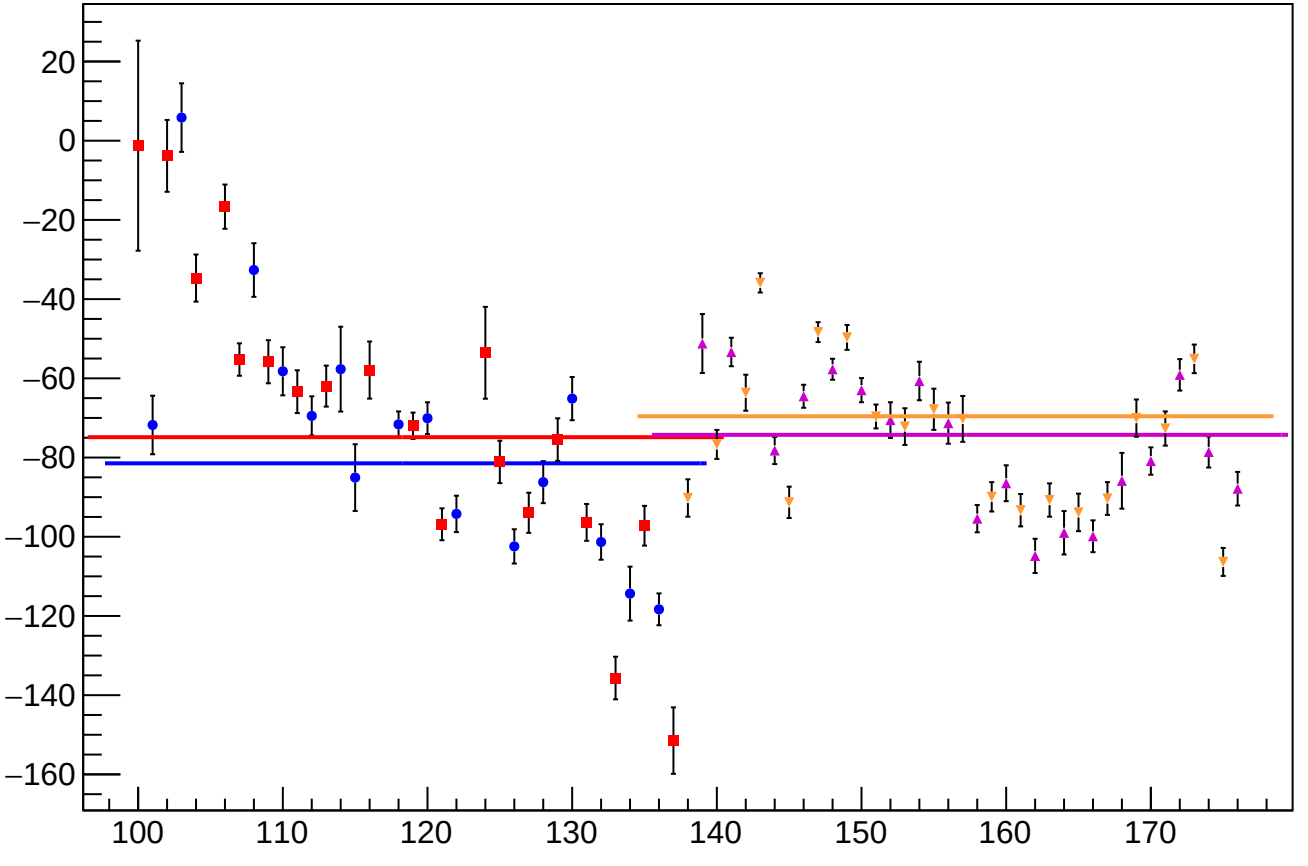
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -235.067+/-0.814 χ^2/NDF:1922.0/34

Out: -219.052+/-0.769 χ^2/NDF:4612.0/38

All: -226.599+/-0.559 χ^2/NDF: 6738.6/73

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

Left: -71.761+/-0.611 χ^2/NDF: 944.2/38

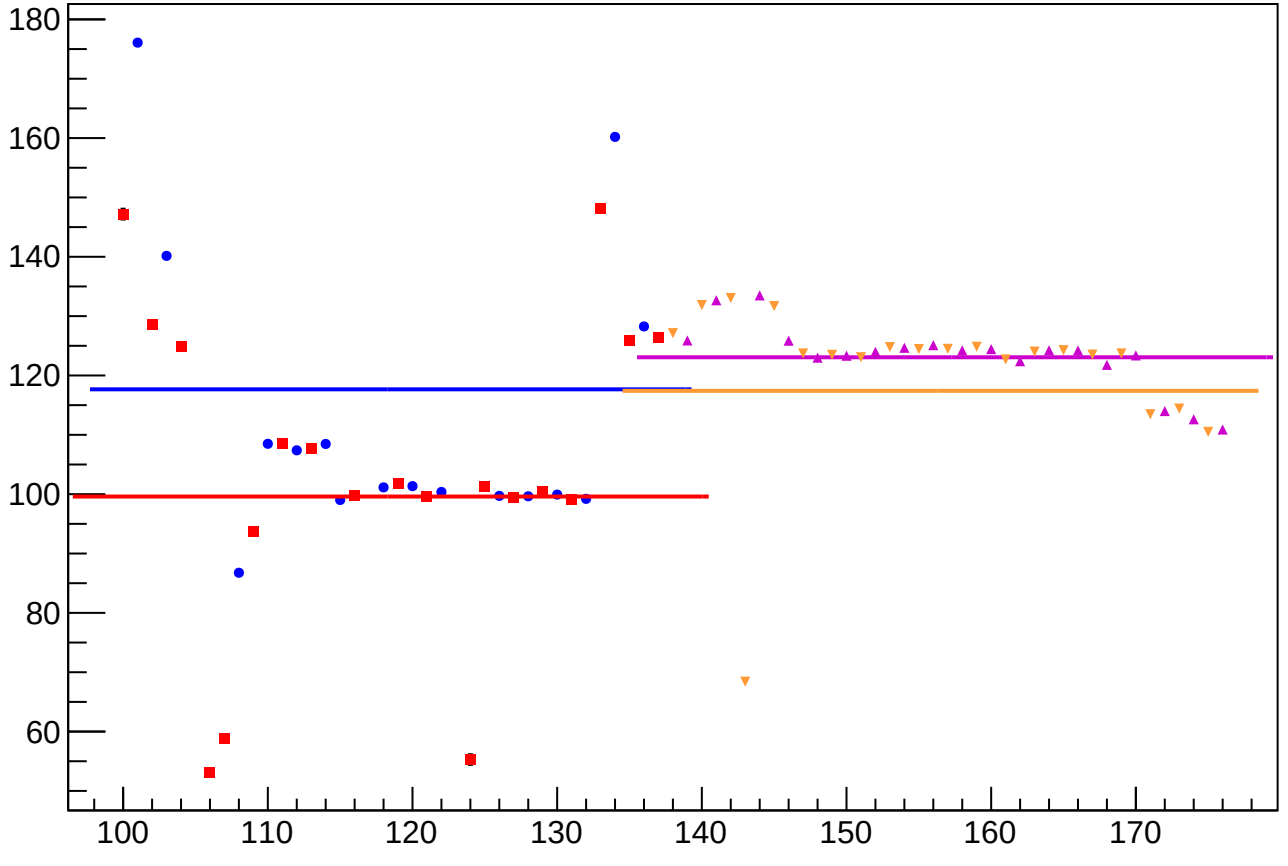
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.614+/-0.735 χ^2/NDF:693.6/34

Out: -71.246+/-0.691 χ^2/NDF:1212.8/38

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

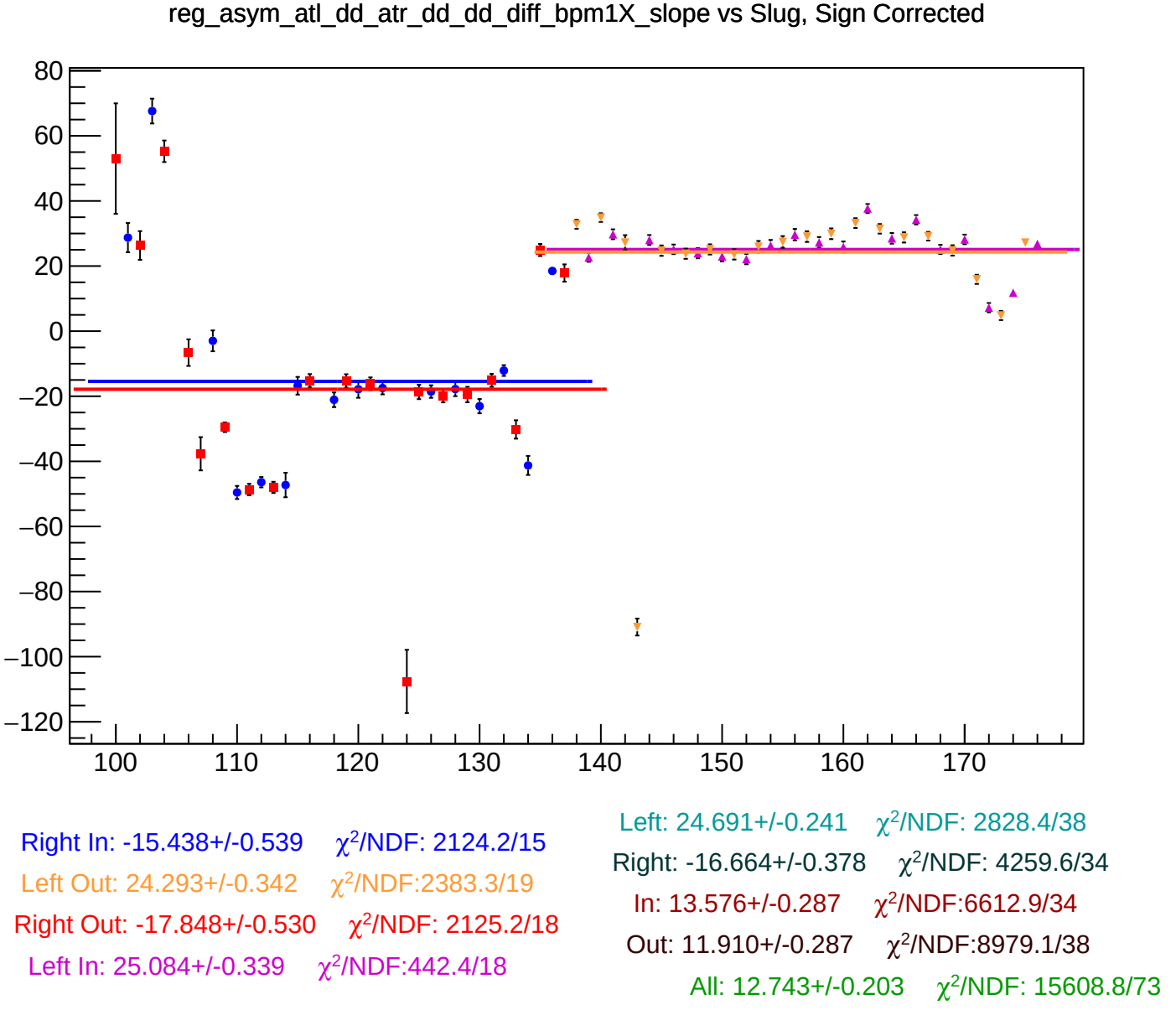
Left: 120.154+/-0.028 χ^2/NDF: 229741.9/38

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

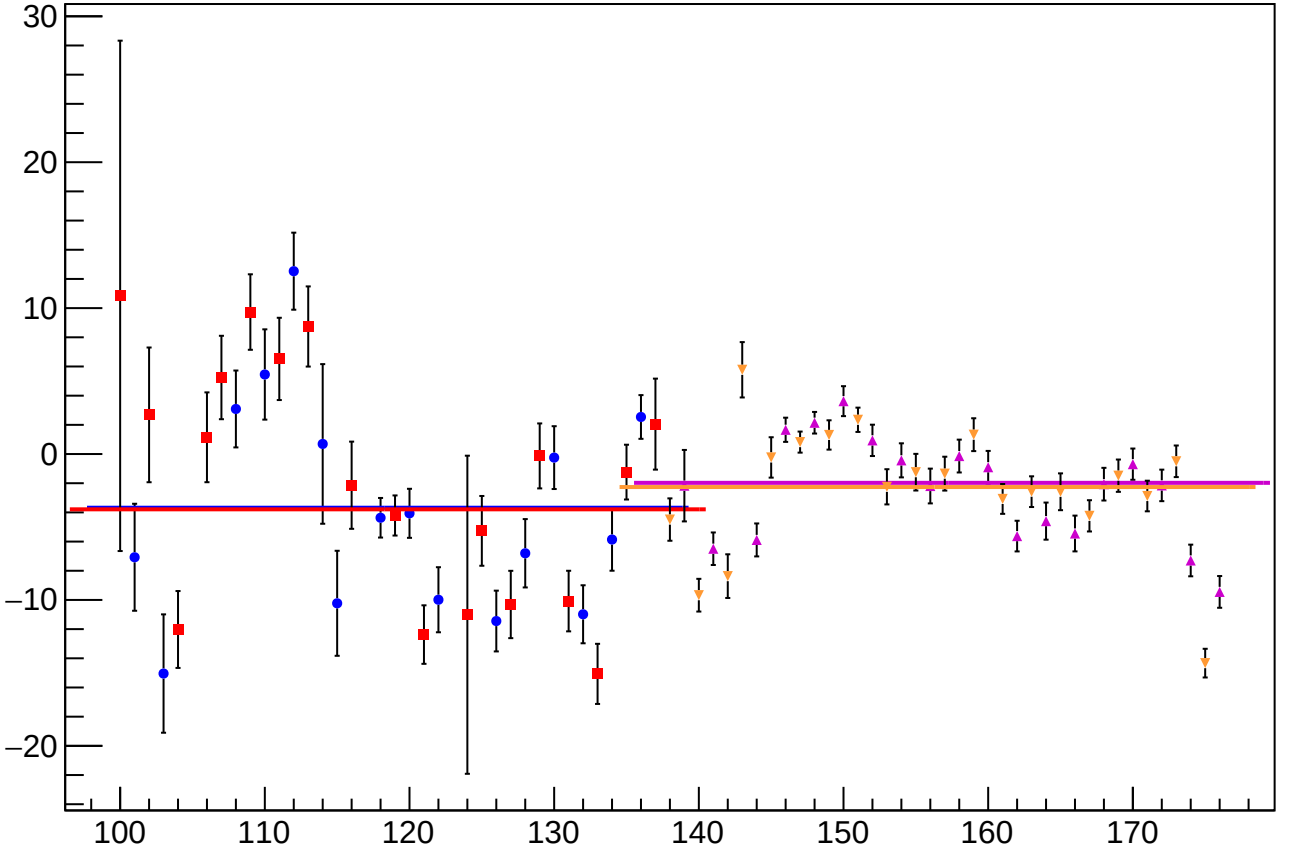
In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.293+/-0.342 χ²/NDF:2383.3/19
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.084+/-0.339 χ²/NDF:442.4/18
Left: 24.691+/-0.241 χ²/NDF: 2828.4/38
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 13.576+/-0.287 χ²/NDF:6612.9/34
Out: 11.910+/-0.287 χ²/NDF:8979.1/38
All: 12.743+/-0.203 χ²/NDF: 15608.8/73

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: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

Left: -2.120+/-0.174 χ^2/NDF: 533.0/38

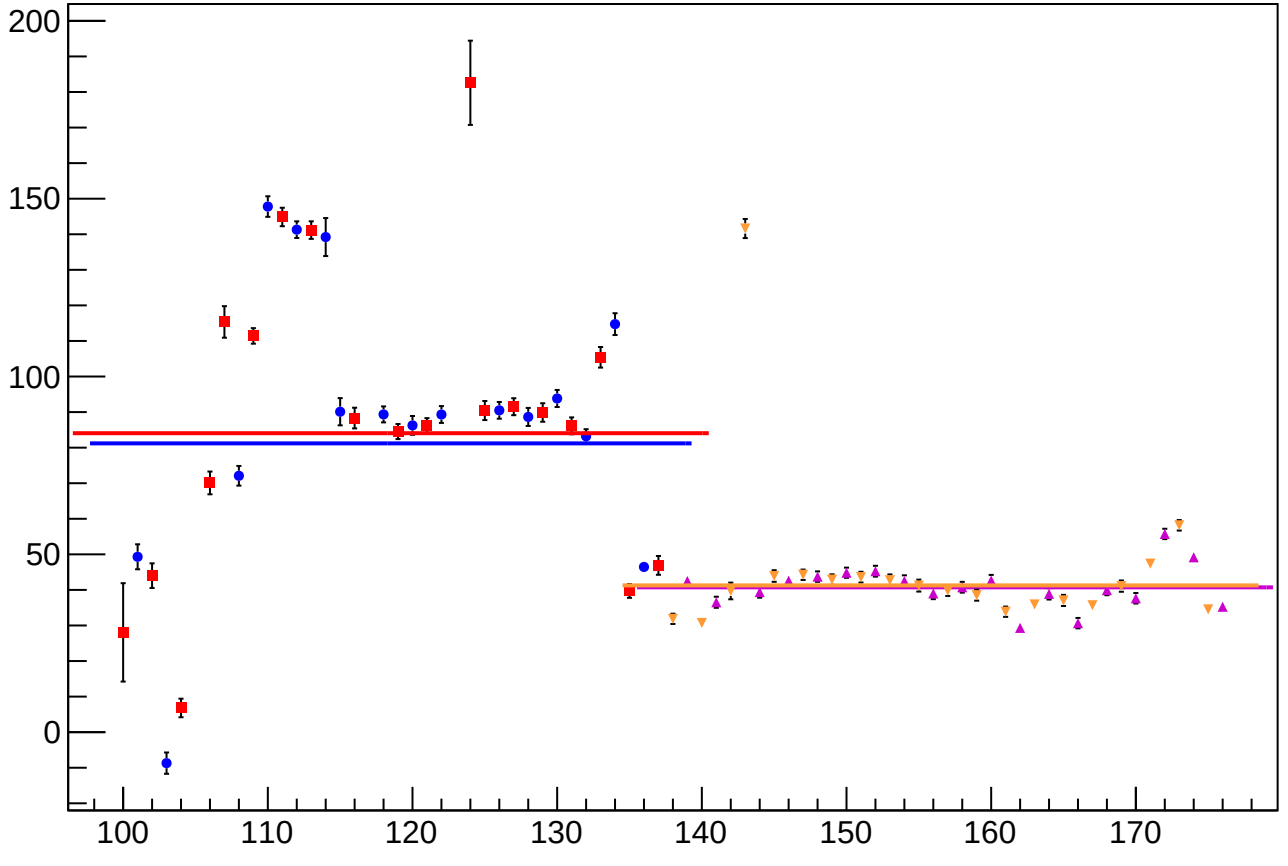
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.260+/-0.226 χ^2/NDF:350.0/34

Out: -2.505+/-0.225 χ^2/NDF:481.6/38

All: -2.383+/-0.159 χ^2/NDF: 832.2/73

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

Left: 40.993+/-0.237 χ^2/NDF: 2104.6/38

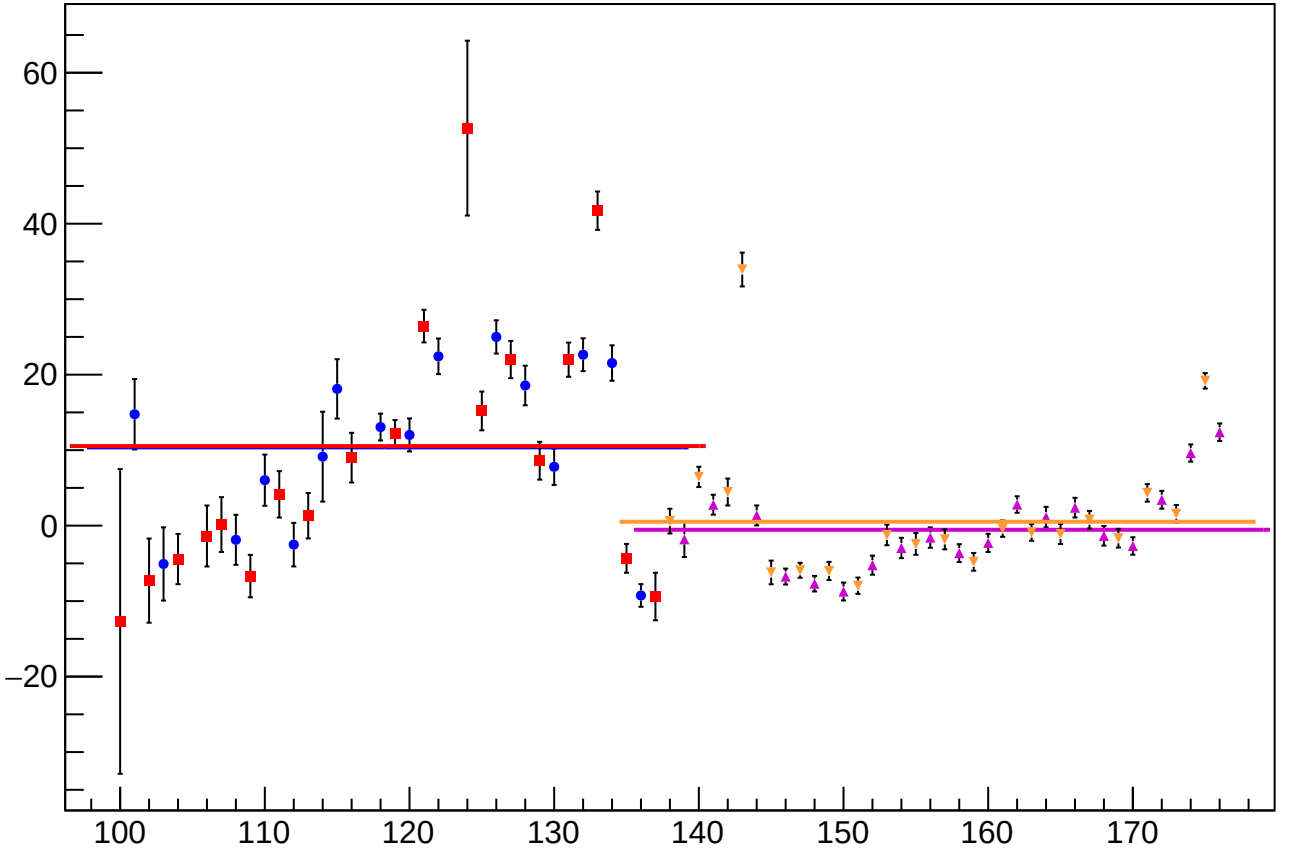
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.133+/-0.293 χ^2/NDF:6977.5/34

Out: 51.067+/-0.295 χ^2/NDF:8694.2/38

All: 50.596+/-0.208 χ^2/NDF: 15676.8/73

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

Left: -0.012+/-0.199 χ^2/NDF: 1184.8/38

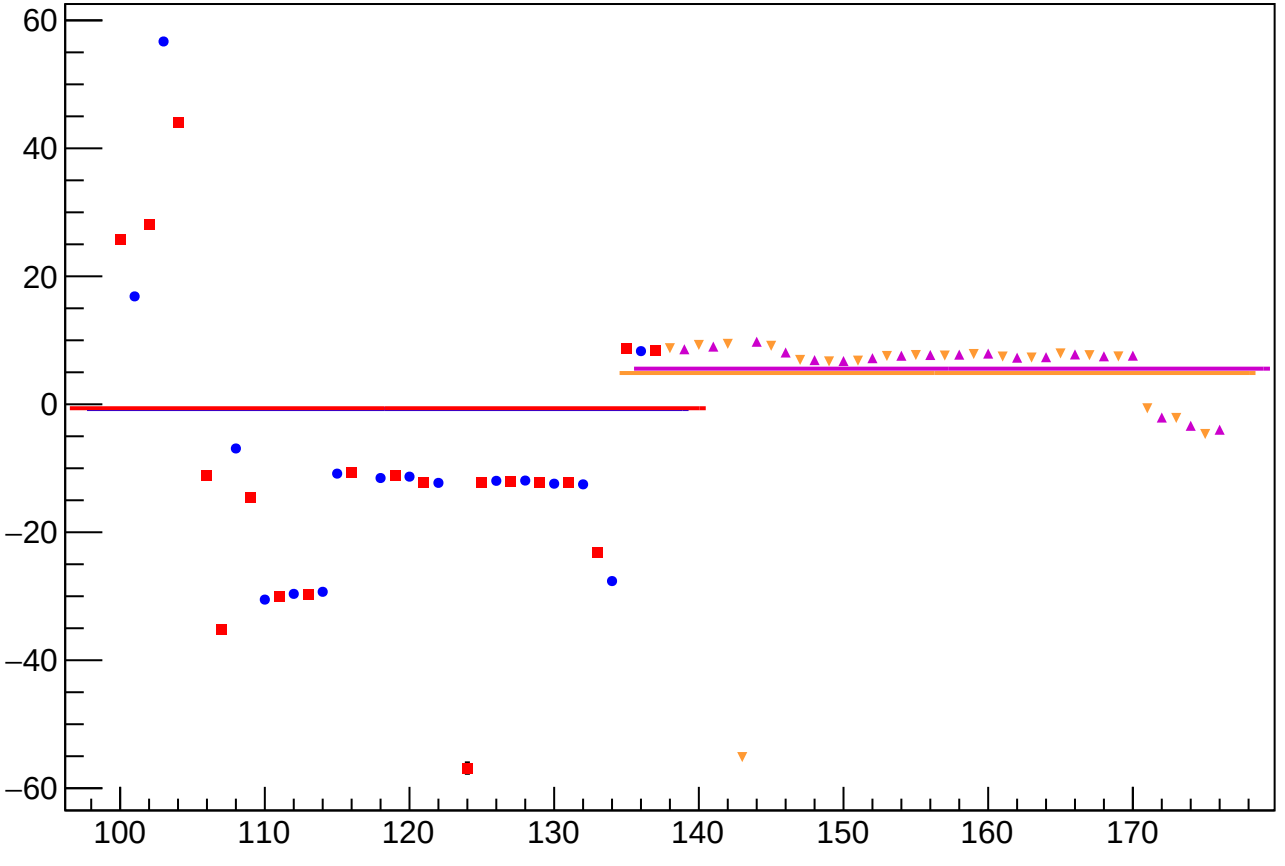
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.294+/-0.258 χ^2/NDF:1011.1/34

Out: 2.124+/-0.256 χ^2/NDF:1455.1/38

All: 1.711+/-0.182 χ^2/NDF: 2471.4/73

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

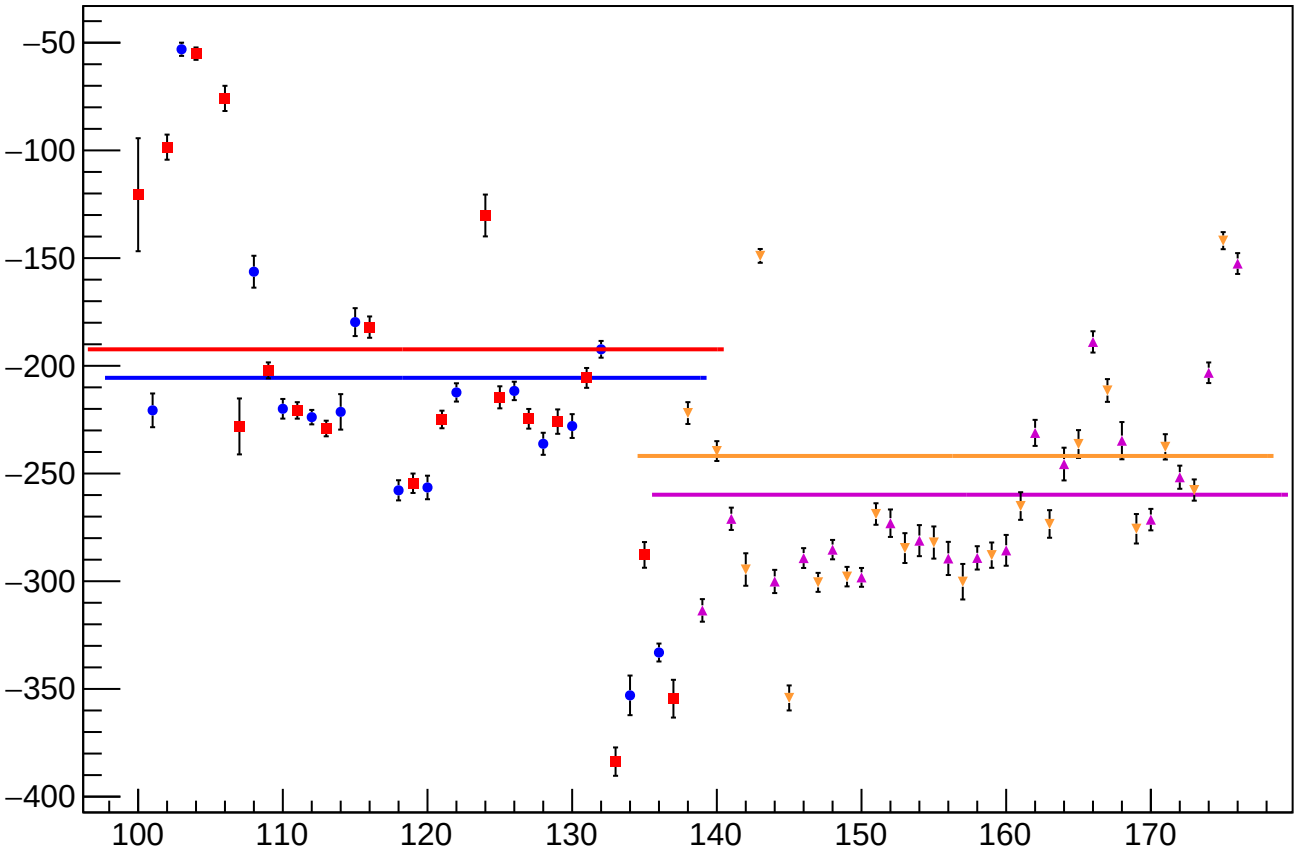
Left: 5.235+/-0.009 χ^2/NDF: 532140.3/38

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.897+/-0.012 χ^2/NDF:522846.7/34

Out: 4.318+/-0.012 χ^2/NDF:739454.7/38

All: 4.614+/-0.008 χ^2/NDF: 1263496.5/73



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -241.842+/-1.181 χ^2/NDF:2557.4/19

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -259.841+/-1.258 χ^2/NDF:1266.0/18

Left: -250.272+/-0.861 χ^2/NDF: 3932.2/38

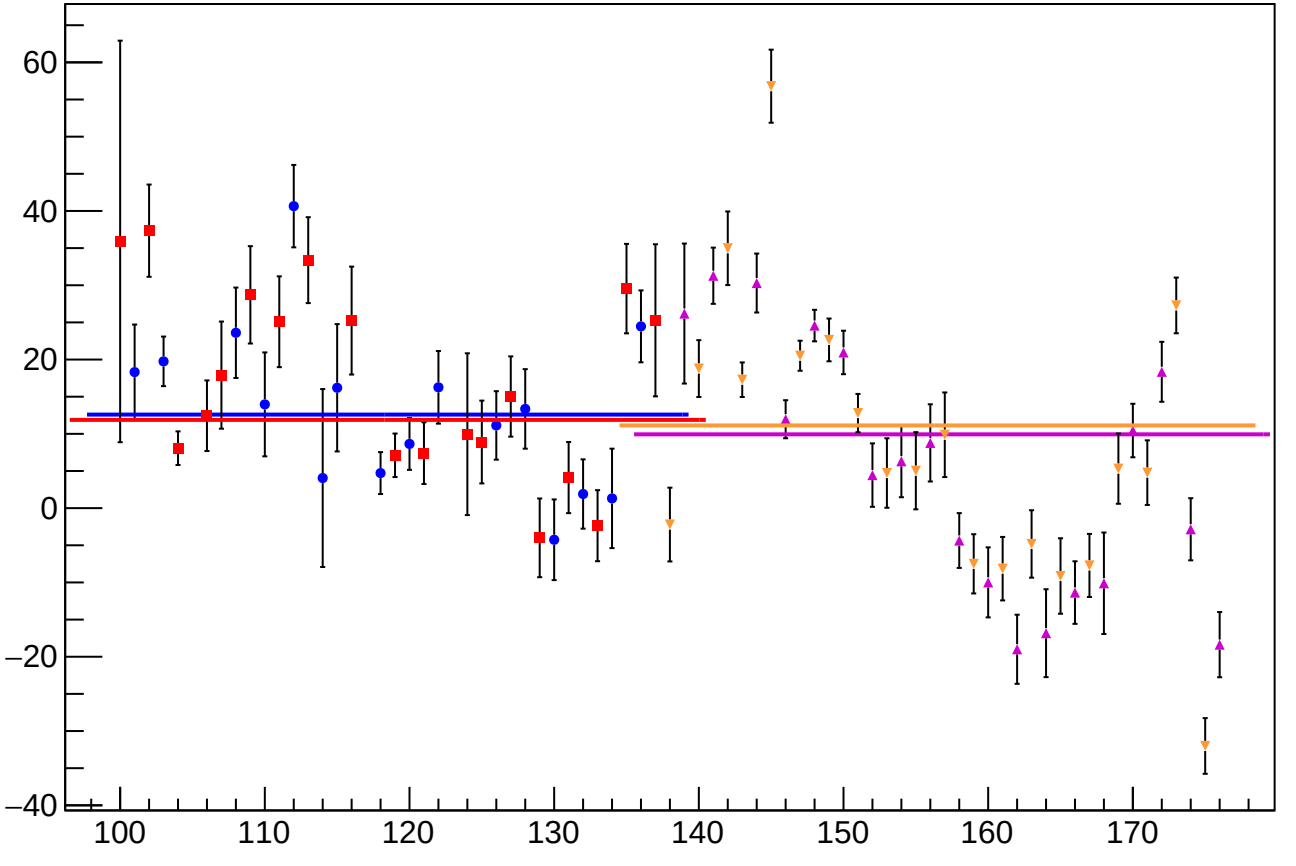
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -231.077+/-0.863 χ^2/NDF:6307.9/34

Out: -215.836+/-0.814 χ^2/NDF:8450.1/38

All: -223.012+/-0.592 χ^2/NDF: 14923.2/73

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 11.134+/-0.815 χ^2/NDF:413.8/19

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 9.934+/-0.880 χ^2/NDF:307.5/18

Left: 10.581+/-0.598 χ^2/NDF: 722.3/38

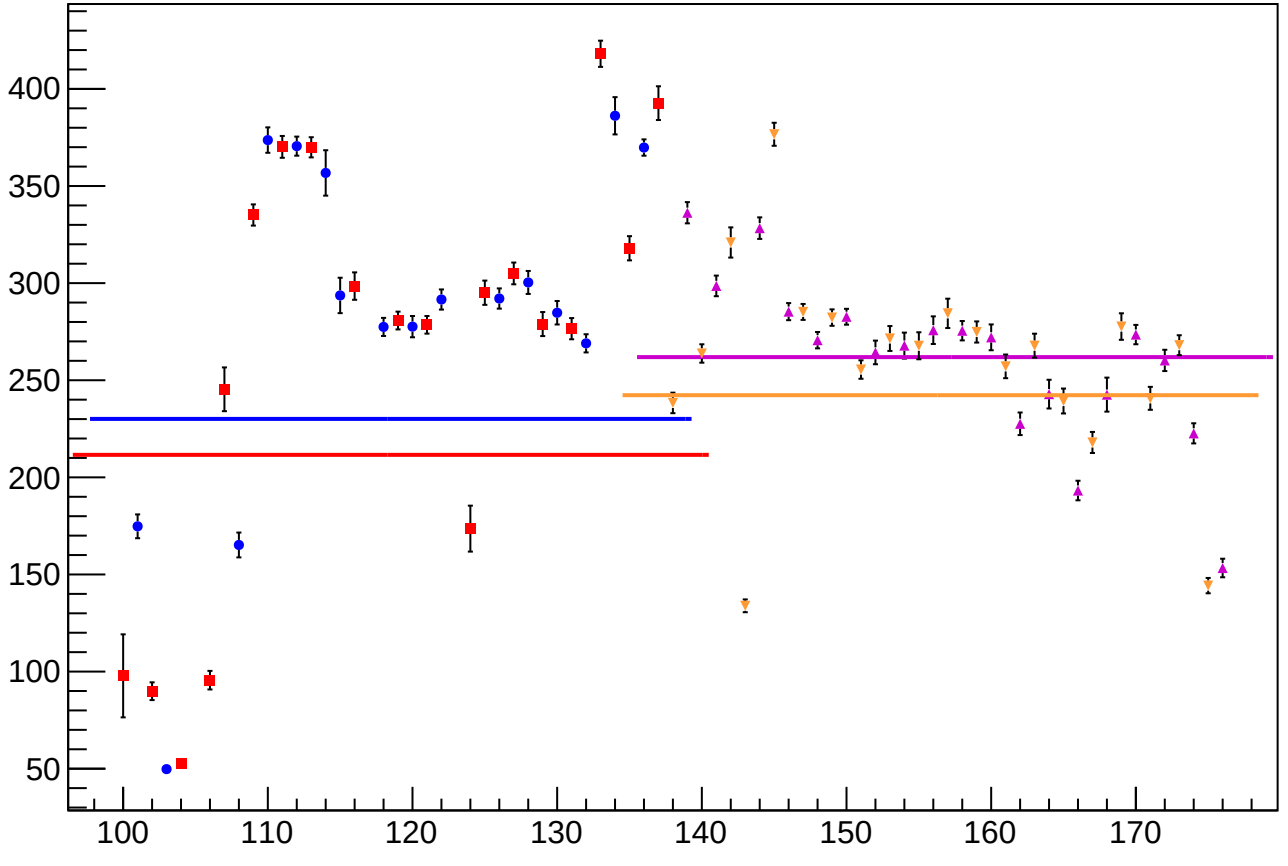
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 10.862+/-0.710 χ^2/NDF:379.1/34

Out: 11.392+/-0.659 χ^2/NDF:499.0/38

All: 11.147+/-0.483 χ^2/NDF: 878.5/73

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: 242.304+/-1.165 χ^2/NDF:2736.7/19

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 261.913+/-1.234 χ^2/NDF:1261.3/18

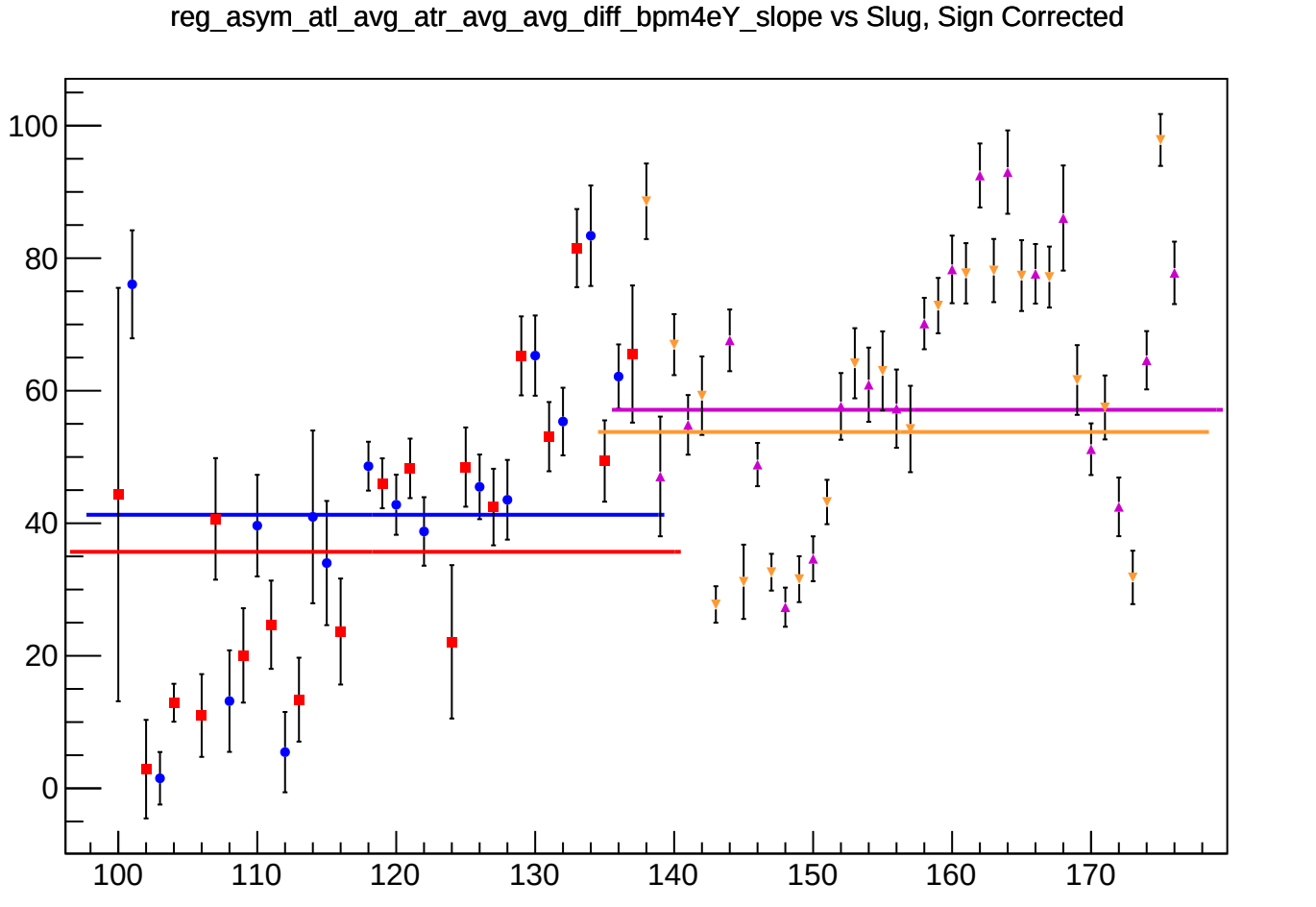
Left: 251.540+/-0.847 χ^2/NDF: 4131.5/38

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

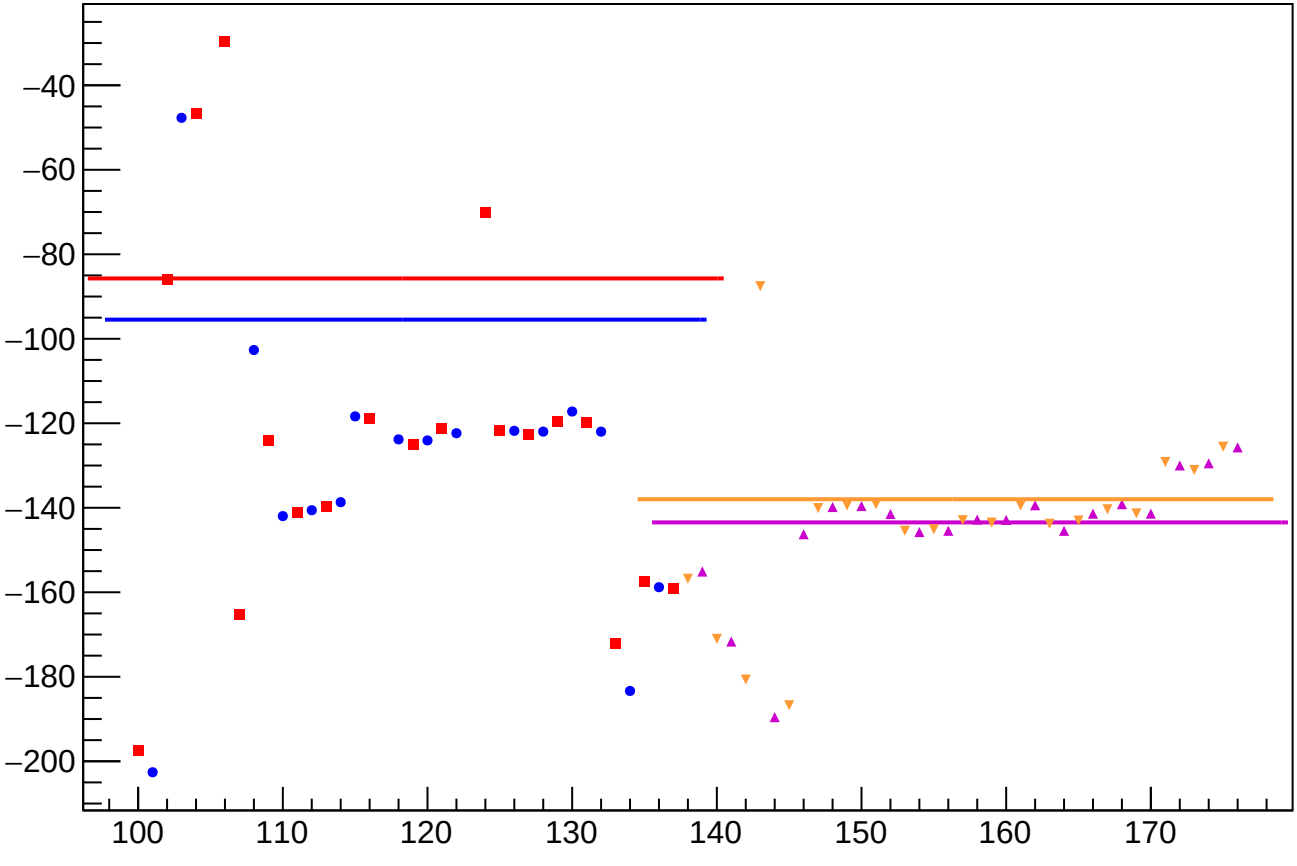
In: 246.325+/-0.882 χ^2/NDF:10962.5/34

Out: 227.343+/-0.834 χ^2/NDF:14547.5/38

All: 236.310+/-0.606 χ^2/NDF: 25754.6/73


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
100
110
120
130
140
150
160
170
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 53.778+/-0.954 χ2/NDF:546.7/19
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 57.119+/-1.023 χ2/NDF:343.6/18
Left: 55.333+/-0.698 χ2/NDF: 896.1/38
Right: 38.321+/-0.958 χ2/NDF: 507.4/34
In: 51.594+/-0.825 χ2/NDF:673.0/34
Out: 47.551+/-0.773 χ2/NDF:923.6/38
All: 49.440+/-0.564 χ2/NDF: 1609.4/73

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: -137.974+/-0.045 χ^2/NDF:241196.3/19

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -143.461+/-0.047 χ^2/NDF:75707.8/18

Left: -140.636+/-0.033 χ^2/NDF: 324007.2/38

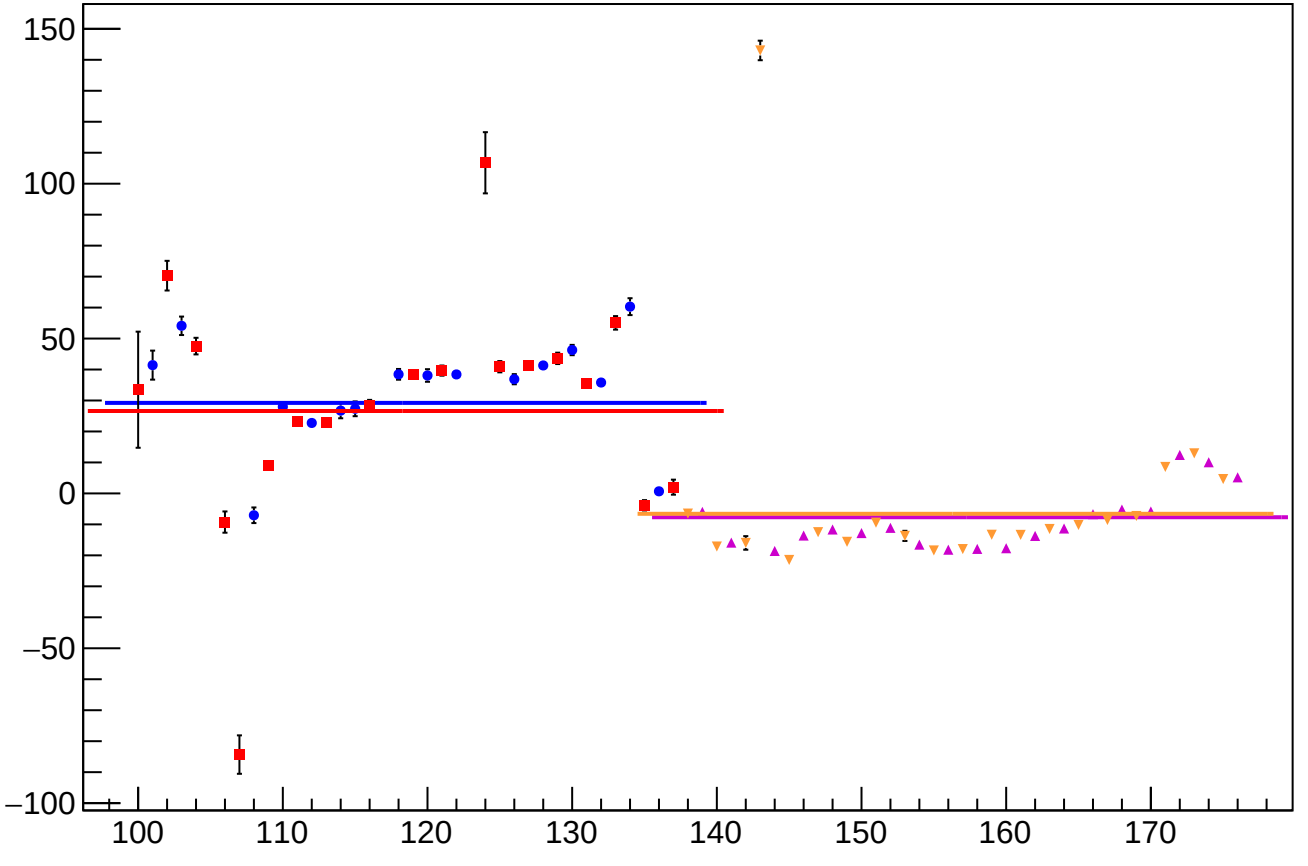
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.511+/-0.039 χ^2/NDF:924427.3/34

Out: -121.541+/-0.038 χ^2/NDF:1141474.2/38

All: -124.915+/-0.027 χ^2/NDF: 2082584.4/73

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: -6.582+/-0.320 χ^2/NDF:3157.2/19

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

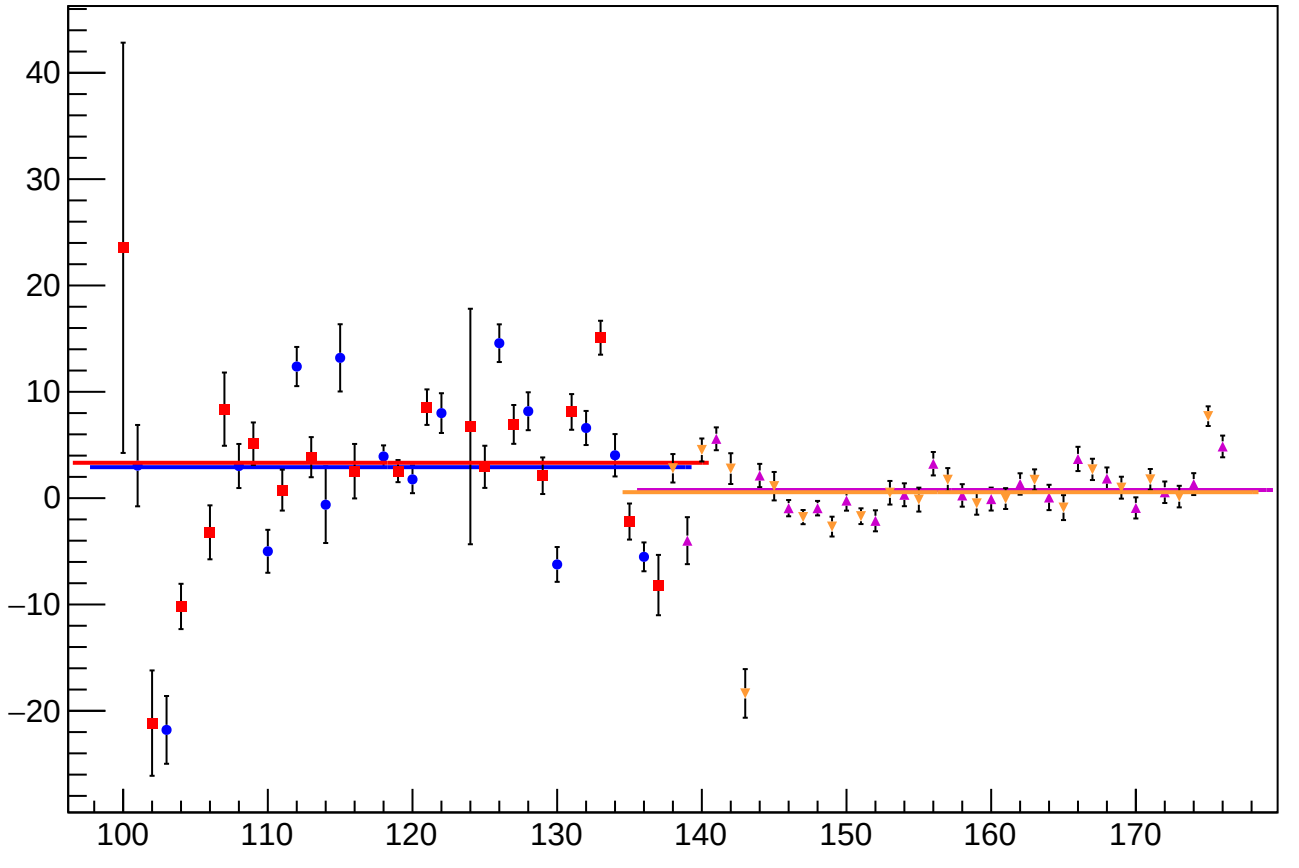
Left: -7.142+/-0.225 χ^2/NDF: 4075.1/38

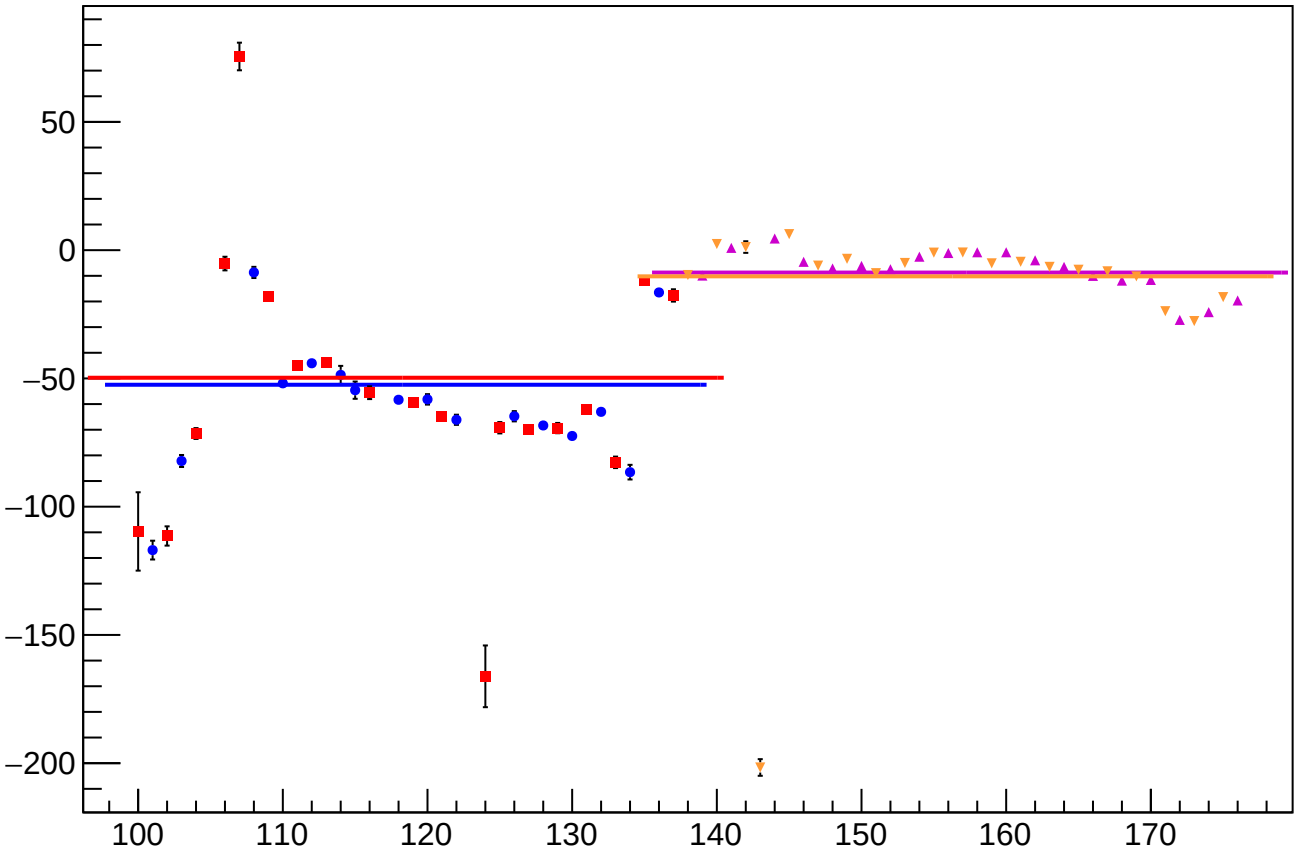
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.550+/-0.254 χ^2/NDF:7111.6/34

Out: 5.832+/-0.253 χ^2/NDF:9099.6/38

All: 5.691+/-0.179 χ^2/NDF: 16211.8/73


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: 0.561+/-0.229 χ²/NDF:193.1/19
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.766+/-0.232 χ²/NDF:80.9/18
Left: 0.662+/-0.163 χ²/NDF: 274.4/38
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.228+/-0.205 χ²/NDF:349.4/34
Out: 1.122+/-0.204 χ²/NDF:404.5/38
All: 1.175+/-0.145 χ²/NDF: 754.0/73



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

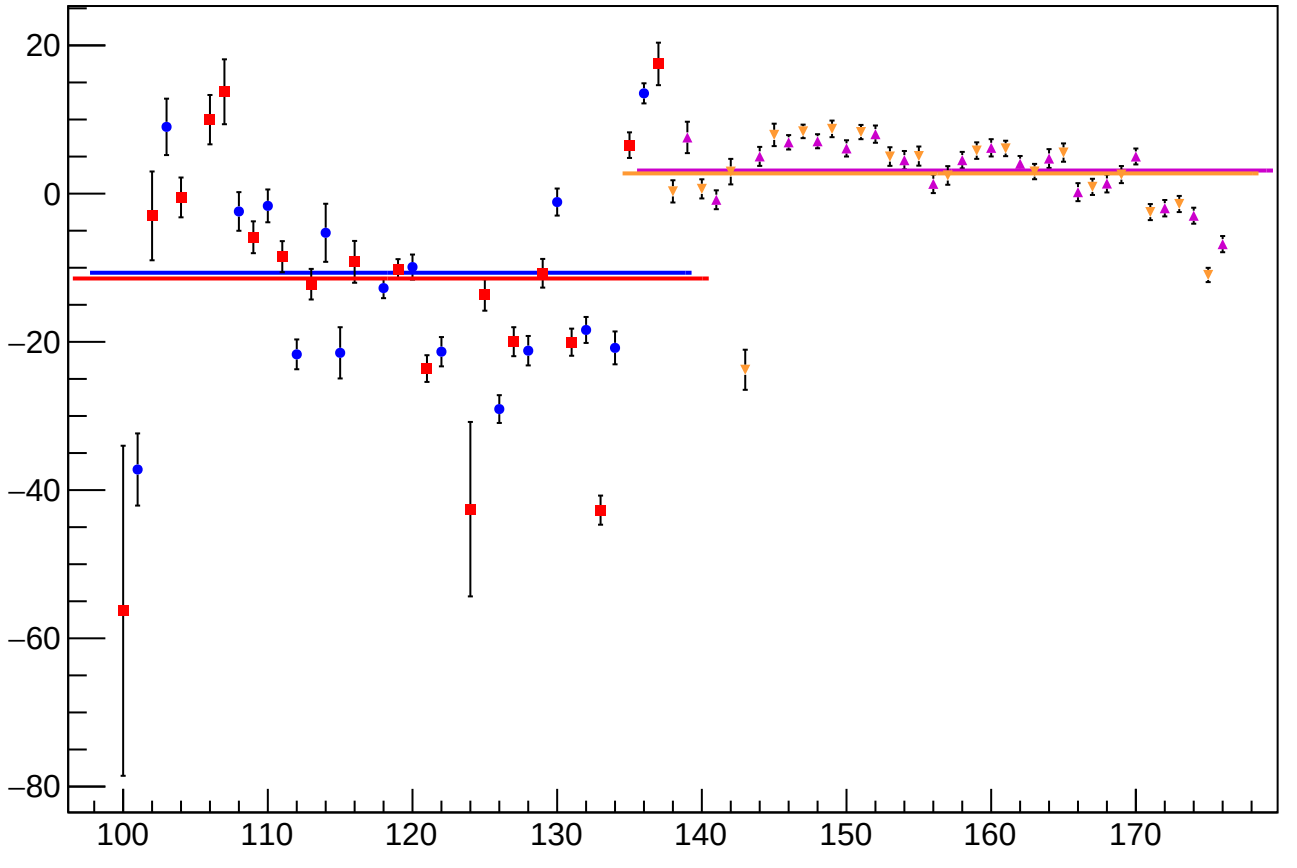
Left: -9.463+/-0.222 χ^2/NDF: 4919.3/38

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

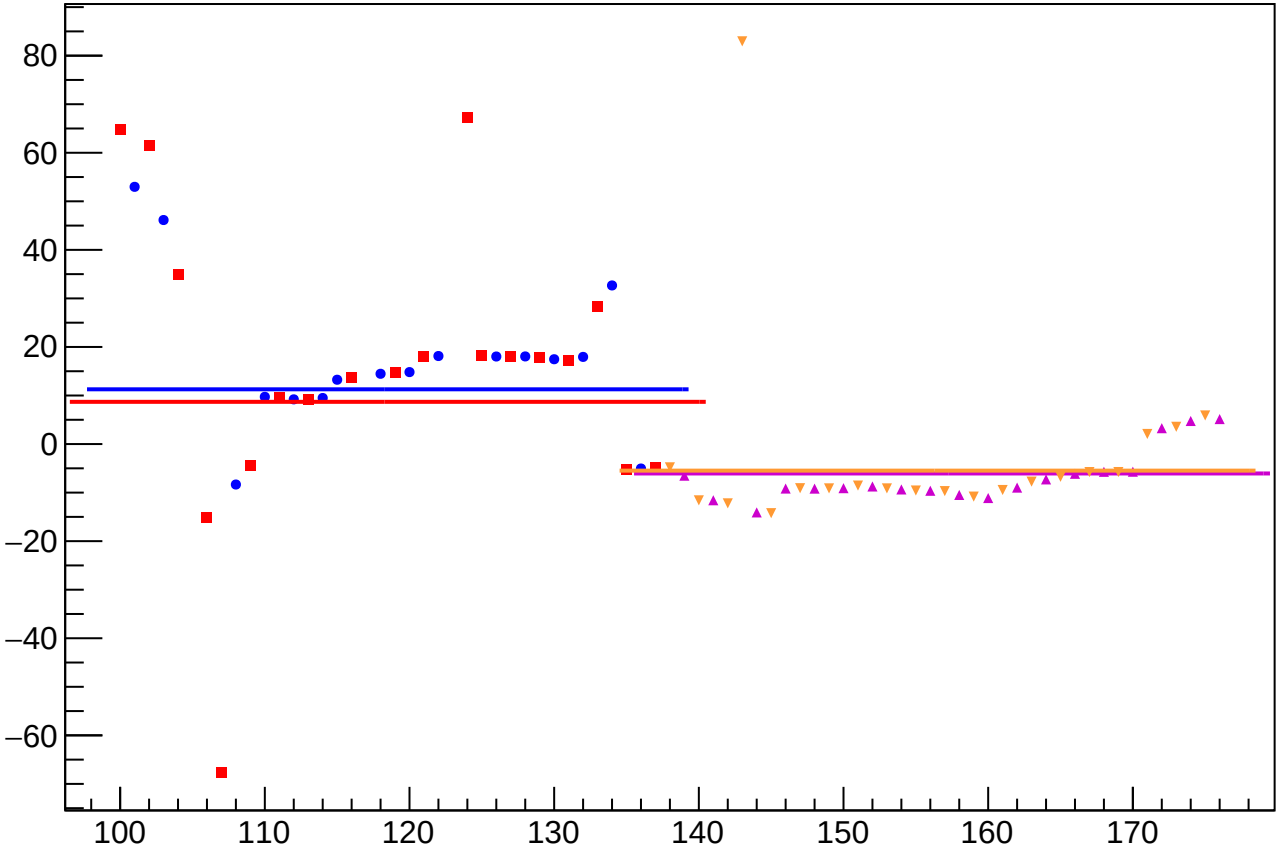
In: -21.444+/-0.263 χ^2/NDF:8727.2/34

Out: -21.595+/-0.265 χ^2/NDF:11780.8/38

All: -21.519+/-0.187 χ^2/NDF: 20508.2/73


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 2.728+/-0.262 χ²/NDF:486.8/19
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 3.117+/-0.264 χ²/NDF:234.9/18
Left: 2.921+/-0.186 χ²/NDF: 722.8/38
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.154+/-0.234 χ²/NDF:1485.9/34
Out: -0.175+/-0.234 χ²/NDF:1752.7/38
All: -0.011+/-0.165 χ²/NDF: 3239.6/73

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.475+/-0.012 χ^2/NDF:645189.5/19

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

Left: -5.774+/-0.008 χ^2/NDF: 875409.2/38

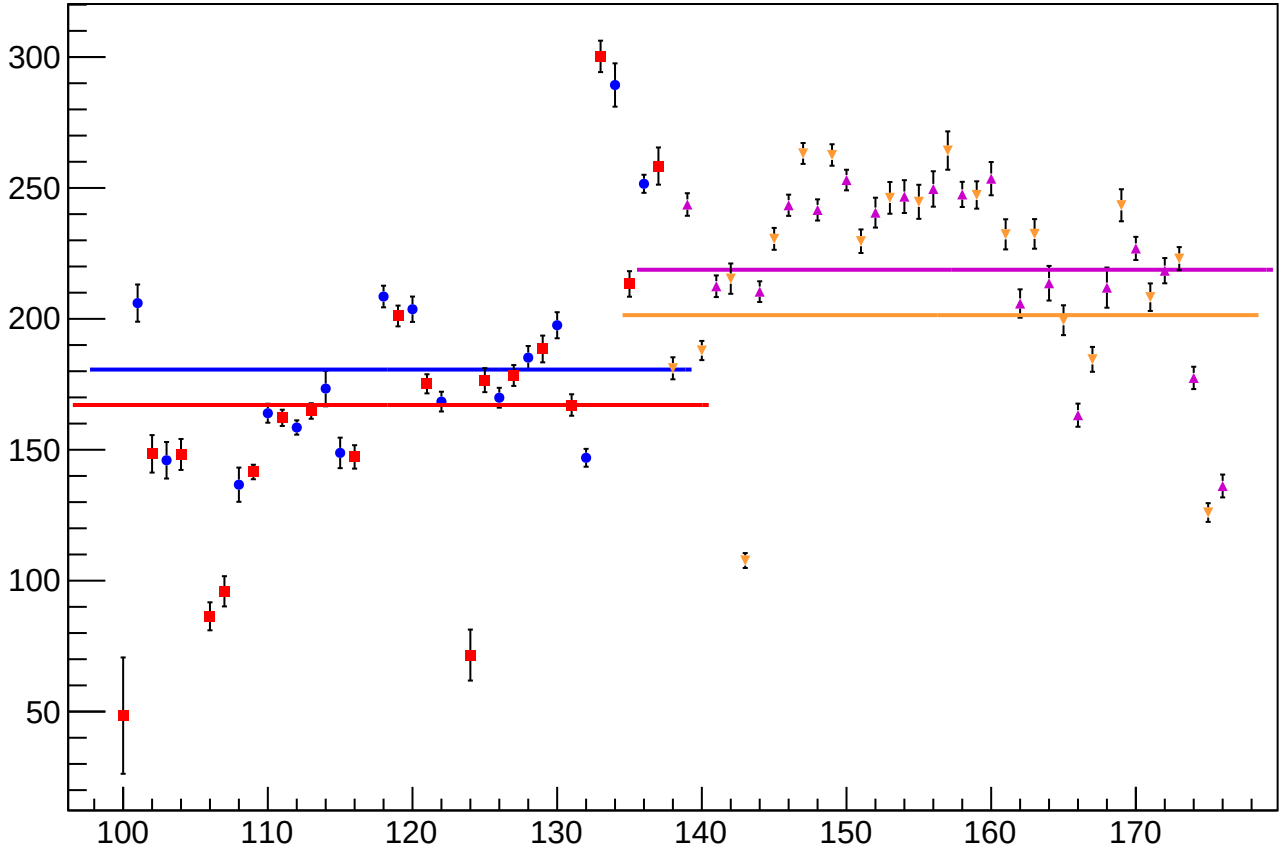
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.807+/-0.011 χ^2/NDF:870380.4/34

Out: -3.713+/-0.011 χ^2/NDF:1259502.7/38

All: -3.761+/-0.008 χ^2/NDF: 2129920.6/73

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

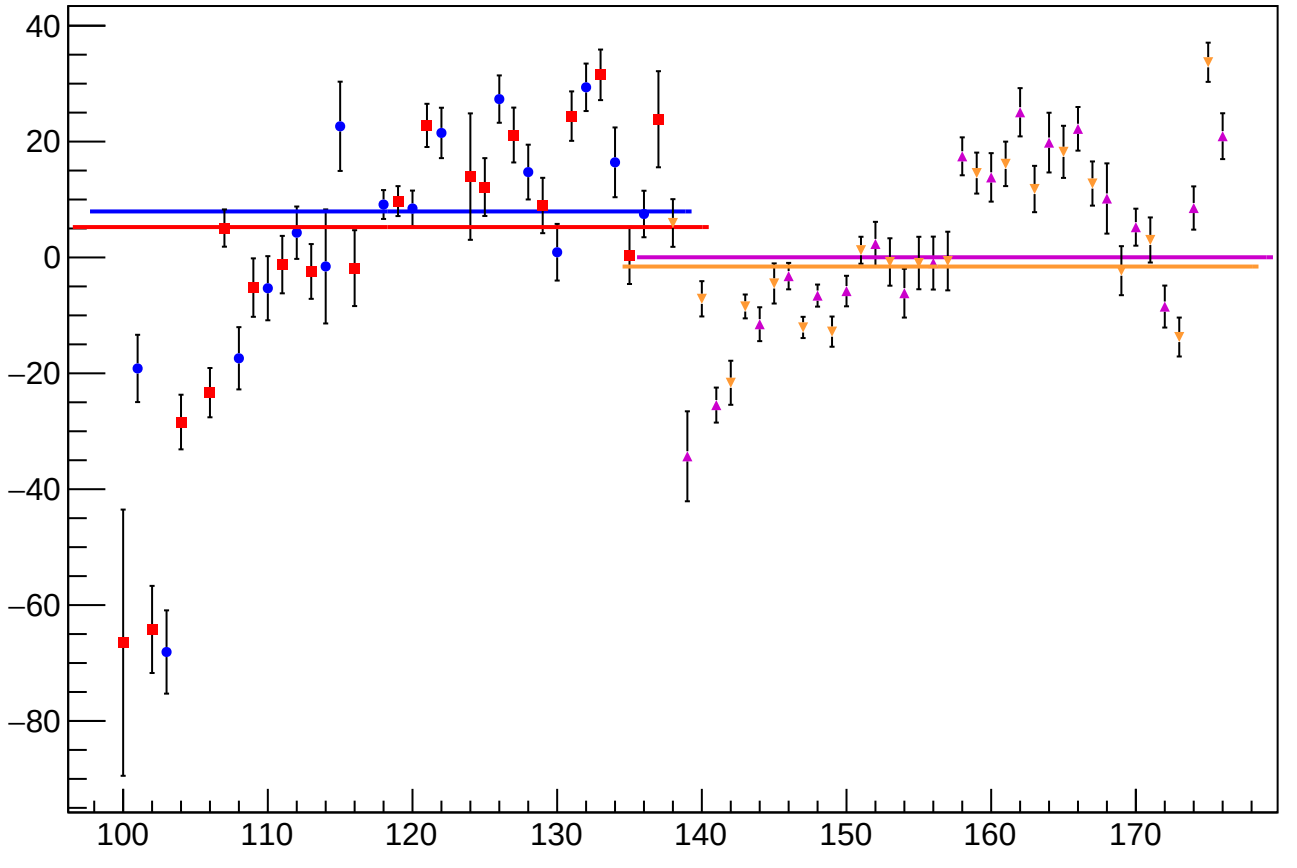
Left: 209.542+/-0.749 χ^2/NDF: 3577.9/38

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

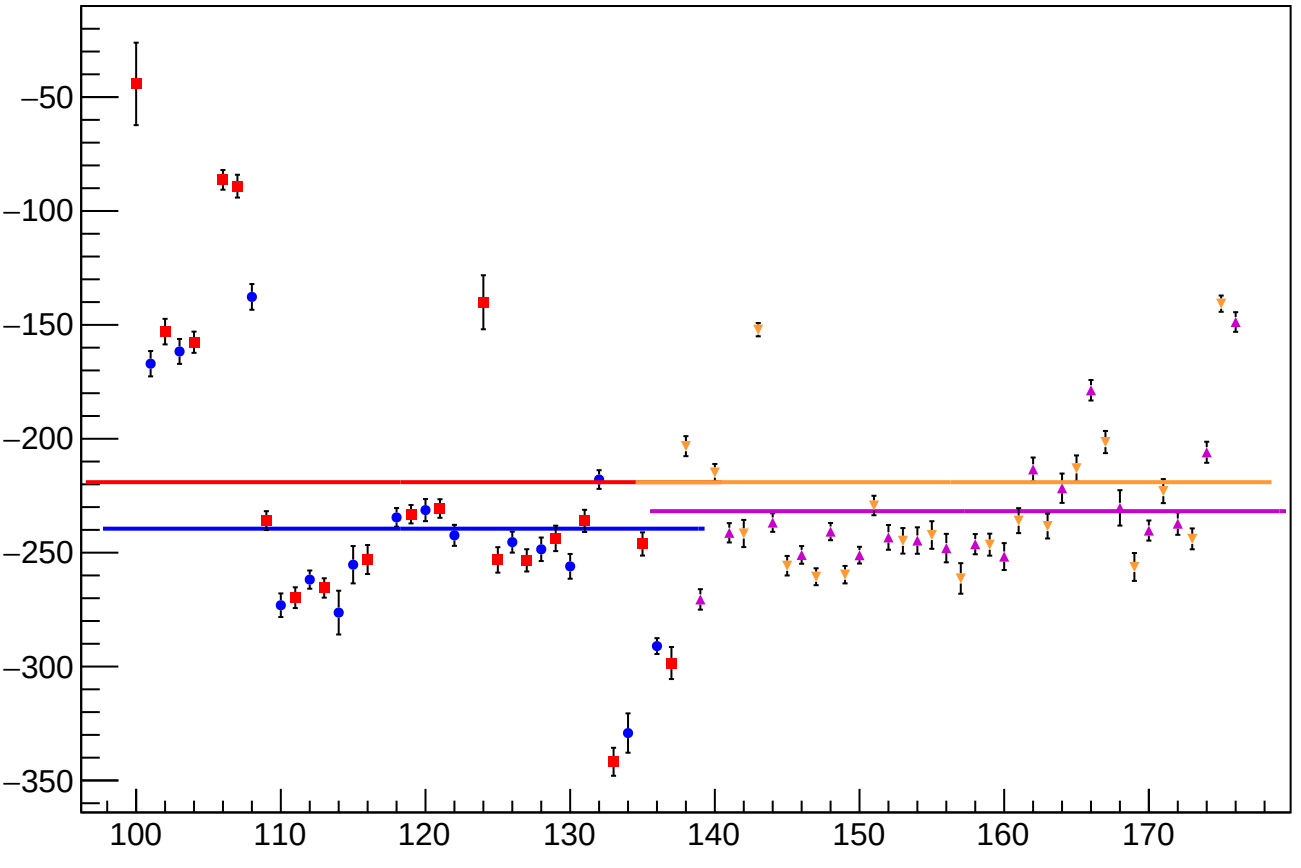
Left: -0.829+/-0.524 χ^2/NDF: 608.5/38

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.507+/-0.433 χ^2/NDF: 1210.0/73



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

Left: -225.049+/-0.738 χ^2/NDF: 2374.7/38

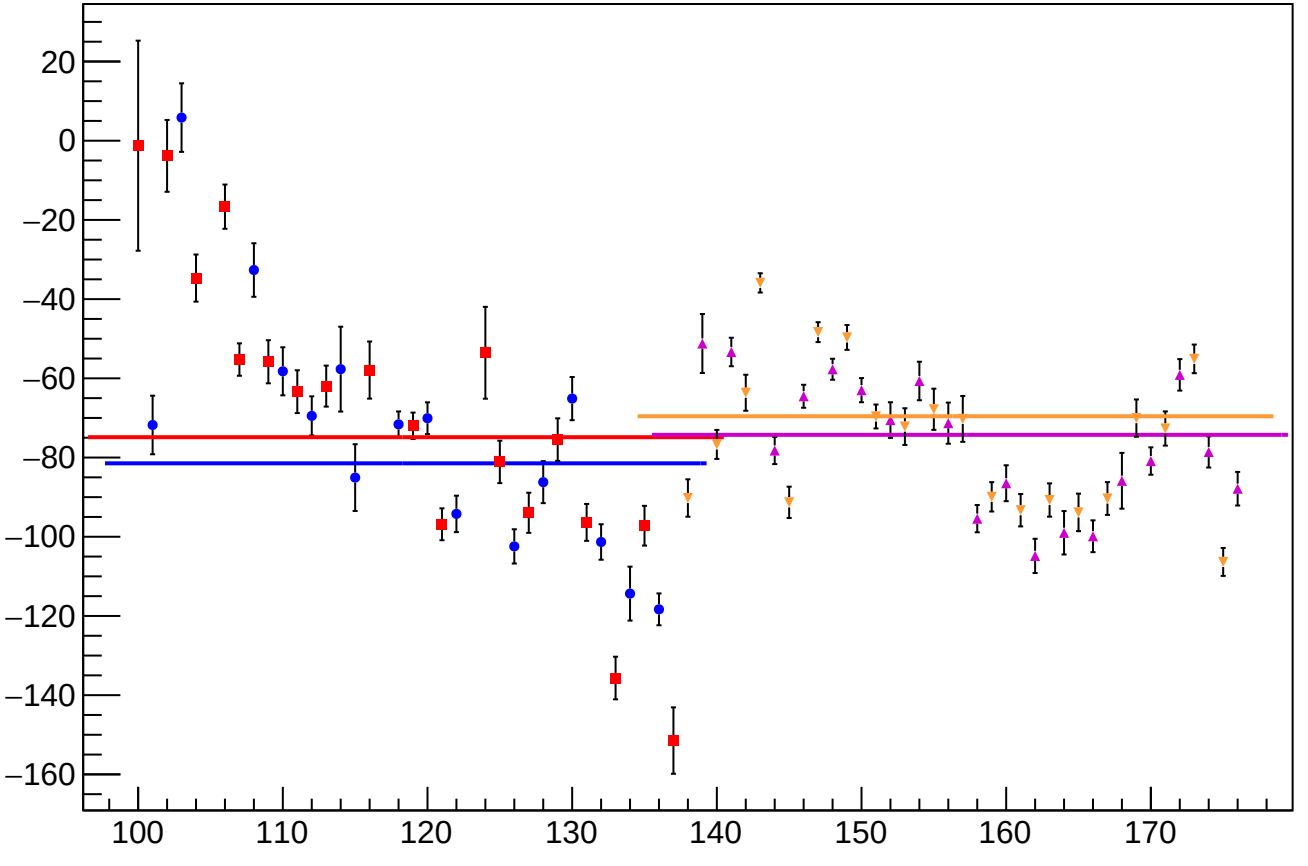
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -235.067+/-0.814 χ^2/NDF:1922.0/34

Out: -219.052+/-0.769 χ^2/NDF:4612.0/38

All: -226.599+/-0.559 χ^2/NDF: 6738.6/73

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

Left: -71.761+/-0.611 χ^2/NDF: 944.2/38

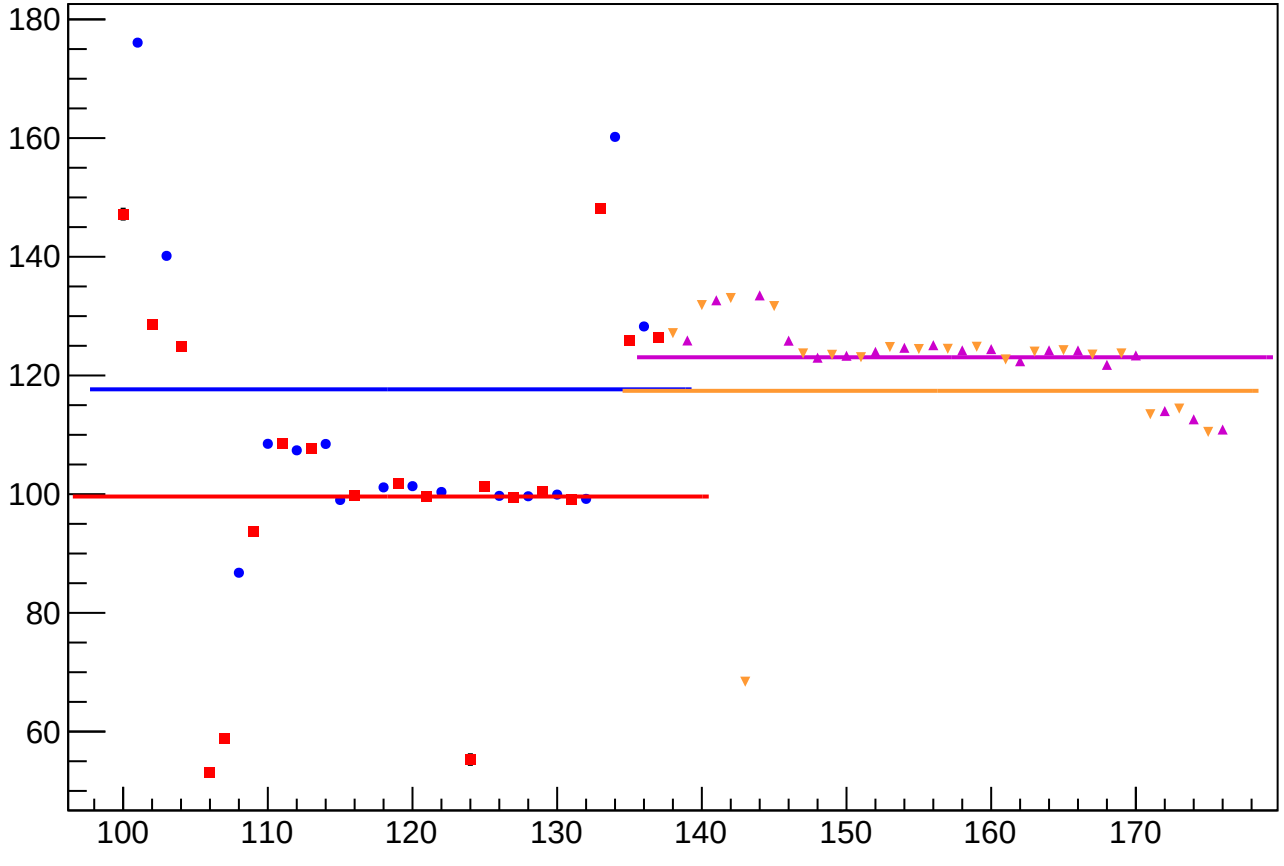
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.614+/-0.735 χ^2/NDF:693.6/34

Out: -71.246+/-0.691 χ^2/NDF:1212.8/38

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

Left: 120.154+/-0.028 χ^2/NDF: 229741.9/38

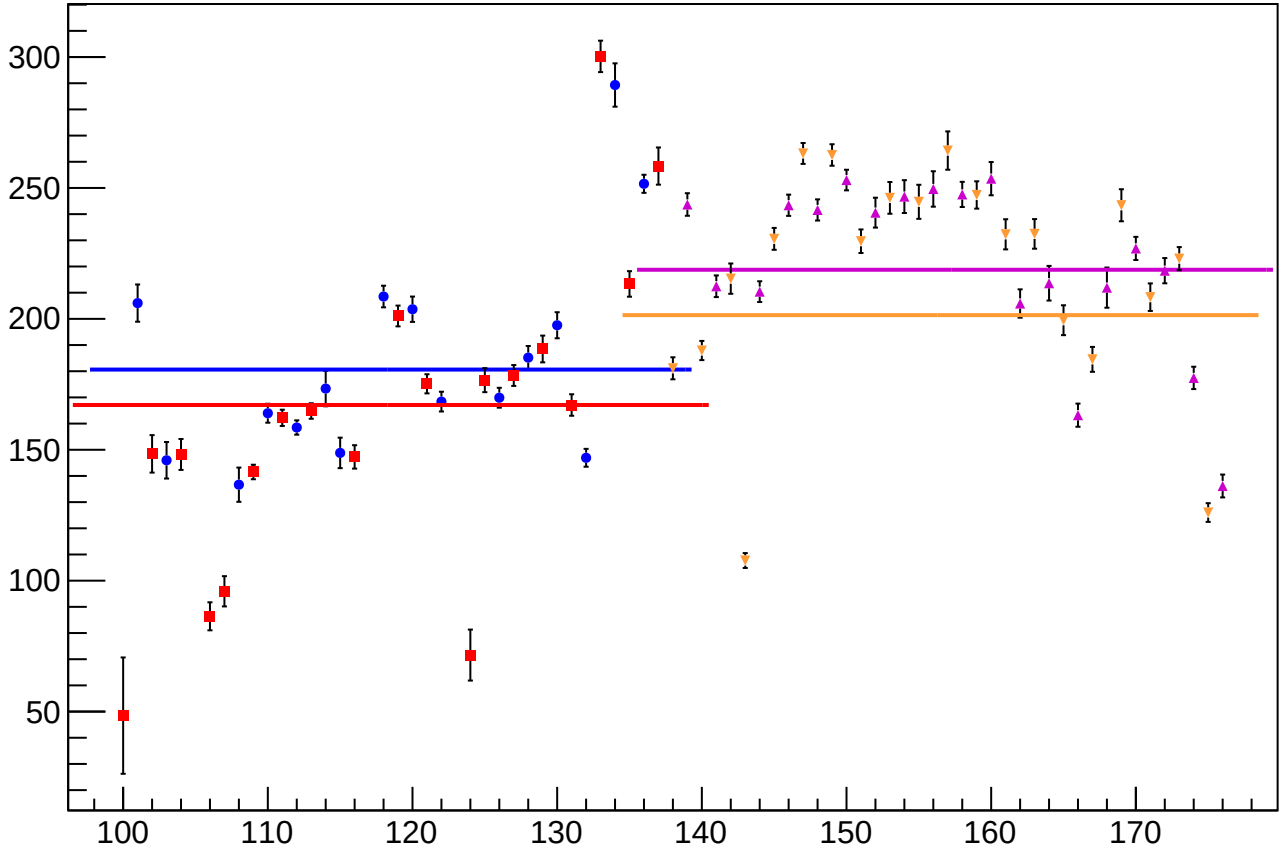
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73

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: 201.428+/-1.027 χ^2/NDF:2518.8/19

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

Left: 209.542+/-0.749 χ^2/NDF: 3577.9/38

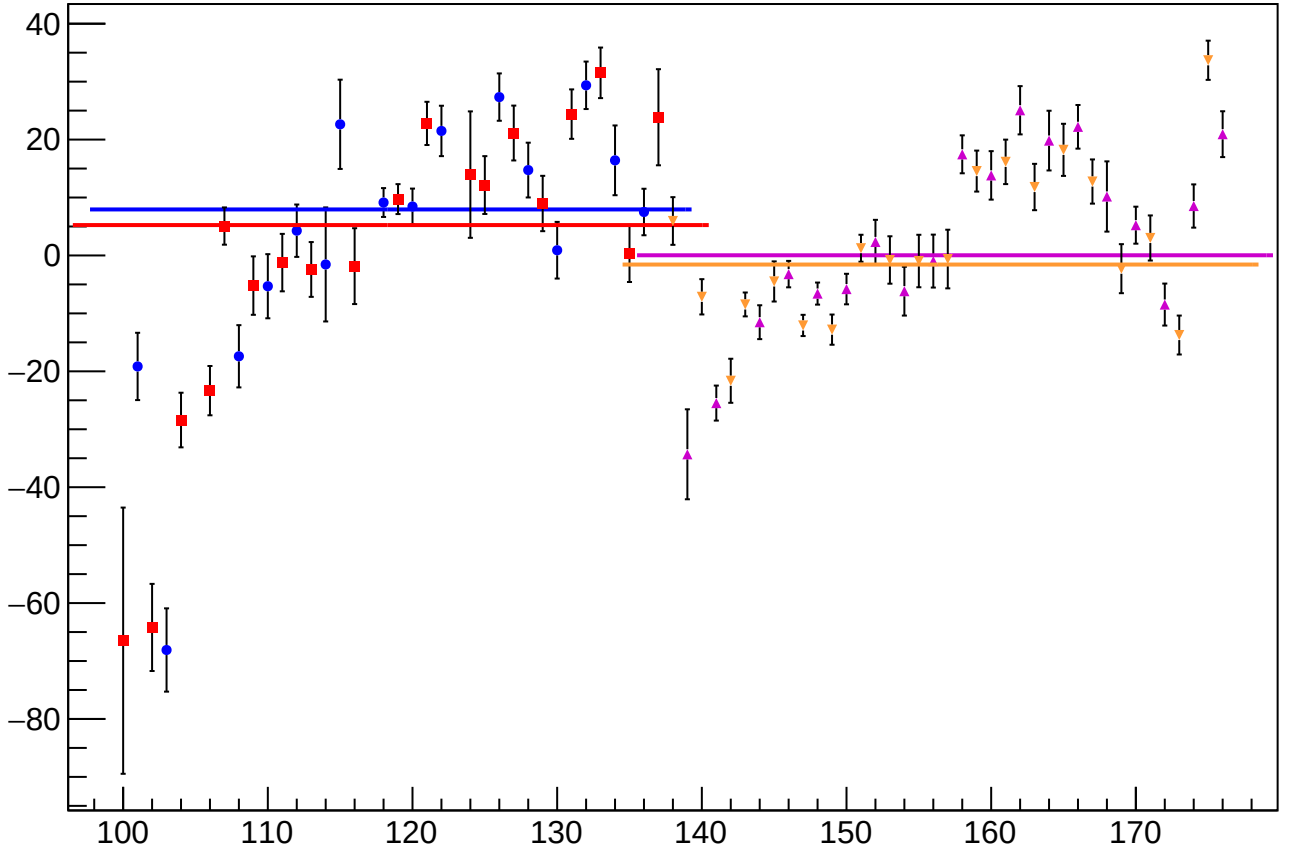
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.164+/-0.724 χ^2/NDF:4565.4/38

All: 191.393+/-0.528 χ^2/NDF: 7307.1/73

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: -1.569+/-0.714 χ^2/NDF:309.4/19

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

Left: -0.829+/-0.524 χ^2/NDF: 608.5/38

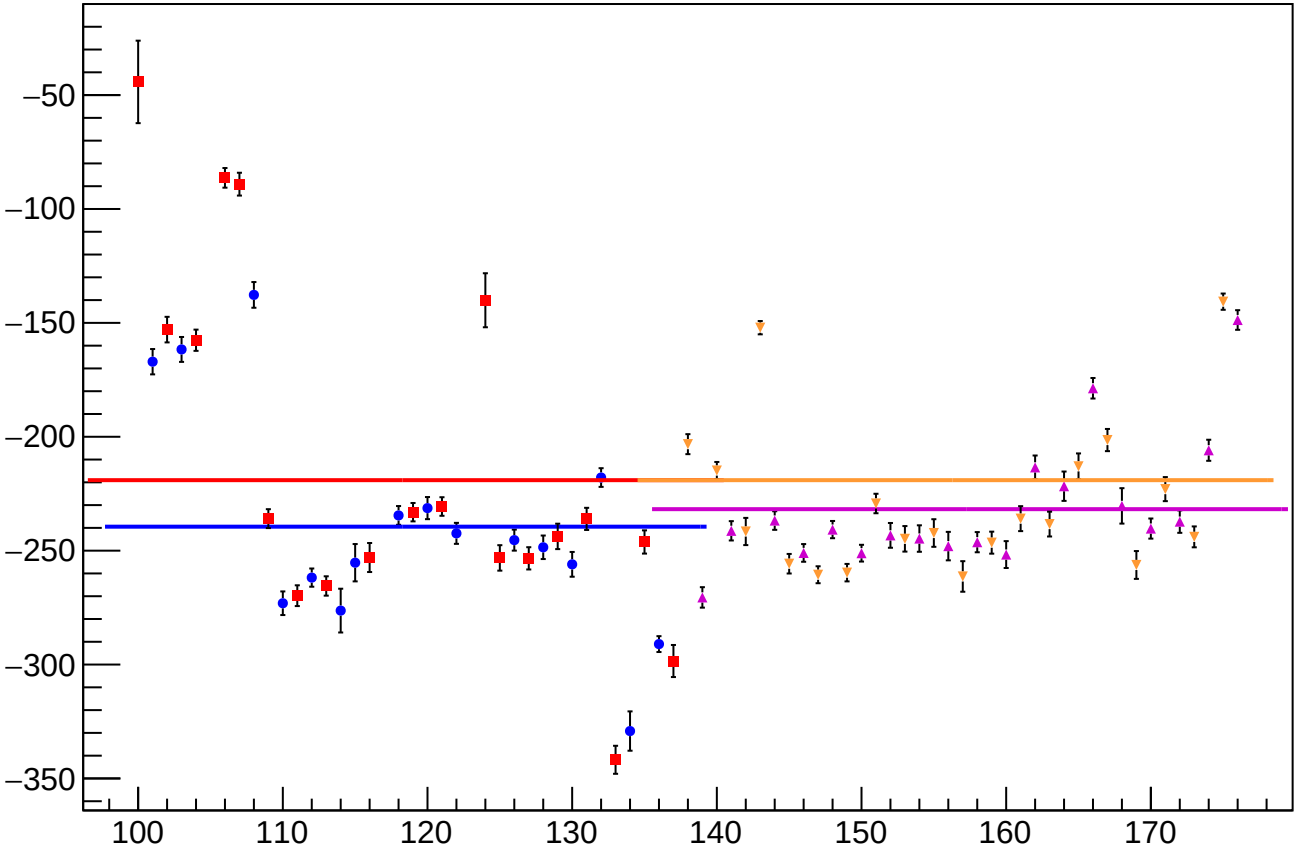
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.554+/-0.593 χ^2/NDF:640.7/38

All: 1.507+/-0.433 χ^2/NDF: 1210.0/73

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.052+/-1.015 χ^2/NDF:1562.7/19

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

Left: -225.049+/-0.738 χ^2/NDF: 2374.7/38

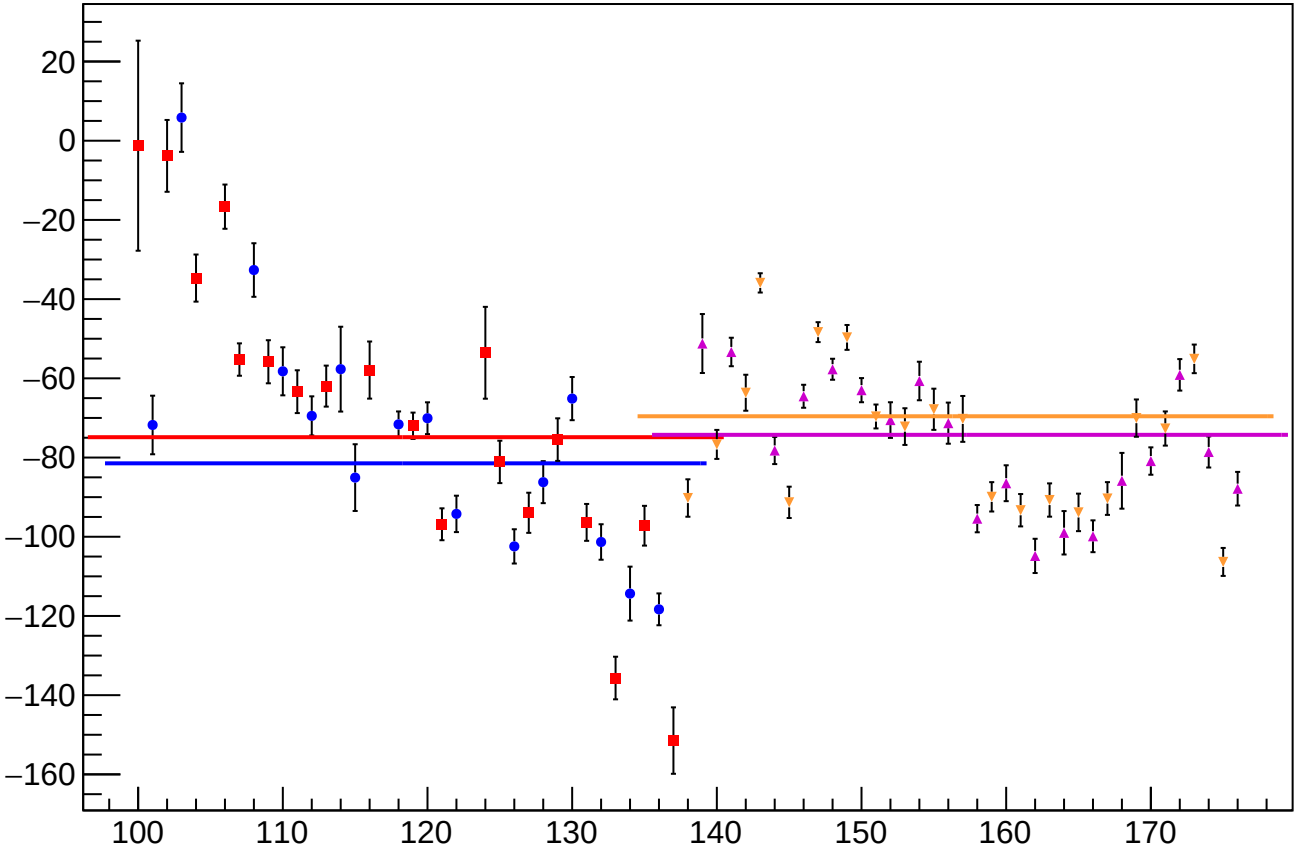
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -235.067+/-0.814 χ^2/NDF:1922.0/34

Out: -219.052+/-0.769 χ^2/NDF:4612.0/38

All: -226.599+/-0.559 χ^2/NDF: 6738.6/73

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: -69.577+/-0.836 χ^2/NDF:623.5/19

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

Left: -71.761+/-0.611 χ^2/NDF: 944.2/38

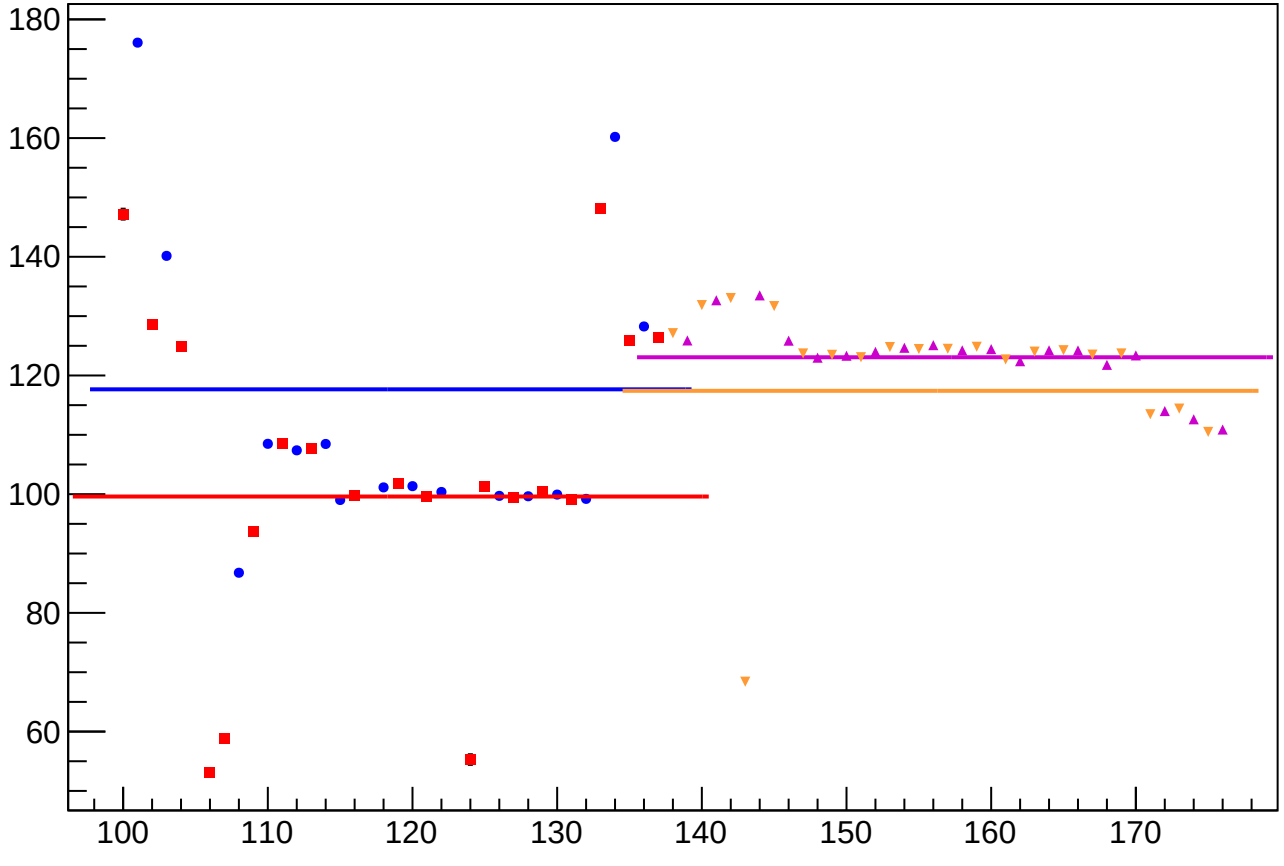
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.614+/-0.735 χ^2/NDF:693.6/34

Out: -71.246+/-0.691 χ^2/NDF:1212.8/38

All: -73.766+/-0.504 χ^2/NDF: 1934.6/73

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.415+/-0.040 χ^2/NDF:201096.2/19

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

Left: 120.154+/-0.028 χ^2/NDF: 229741.9/38

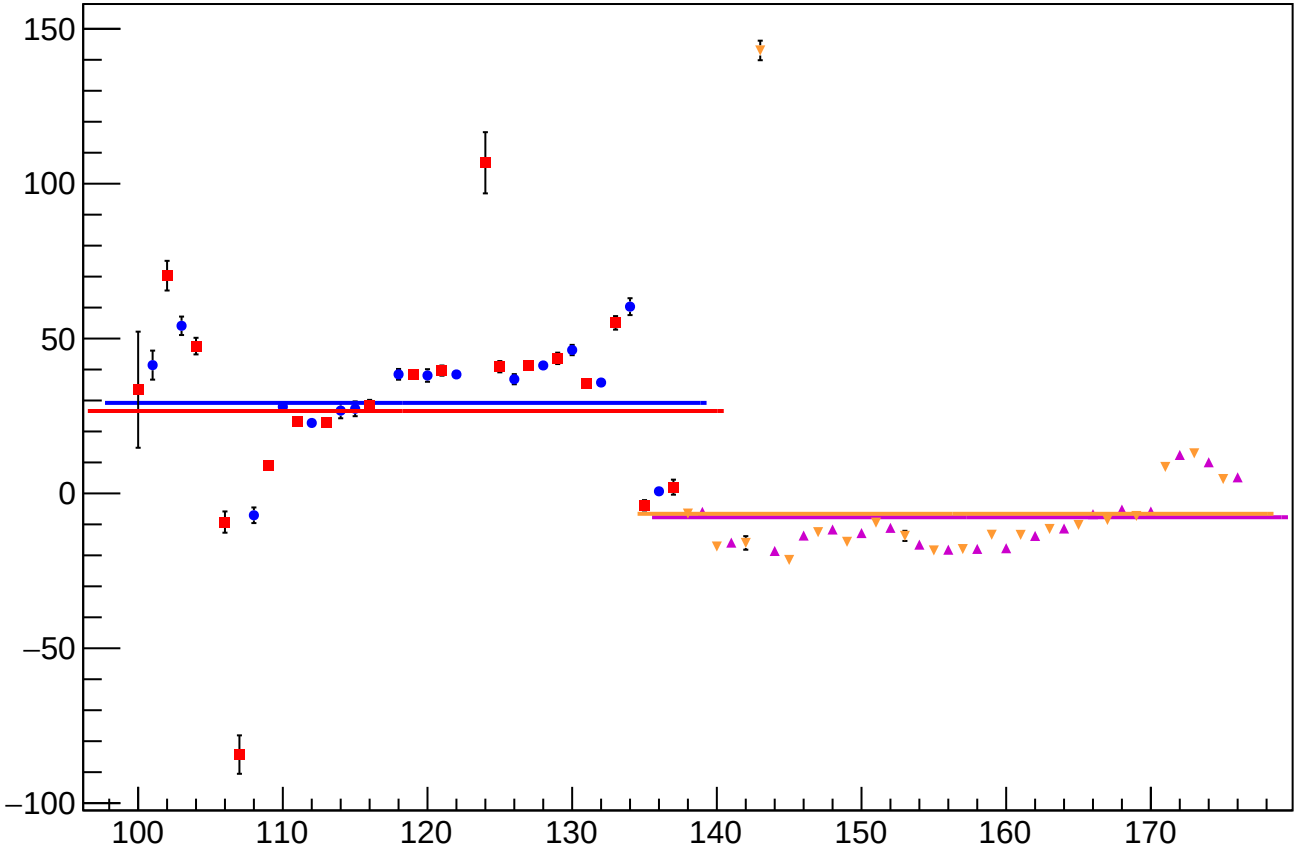
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 113.127+/-0.034 χ^2/NDF:416059.6/38

All: 117.308+/-0.025 χ^2/NDF: 564840.0/73

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: -6.582+/-0.320 χ^2/NDF:3157.2/19

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

Left: -7.142+/-0.225 χ^2/NDF: 4075.1/38

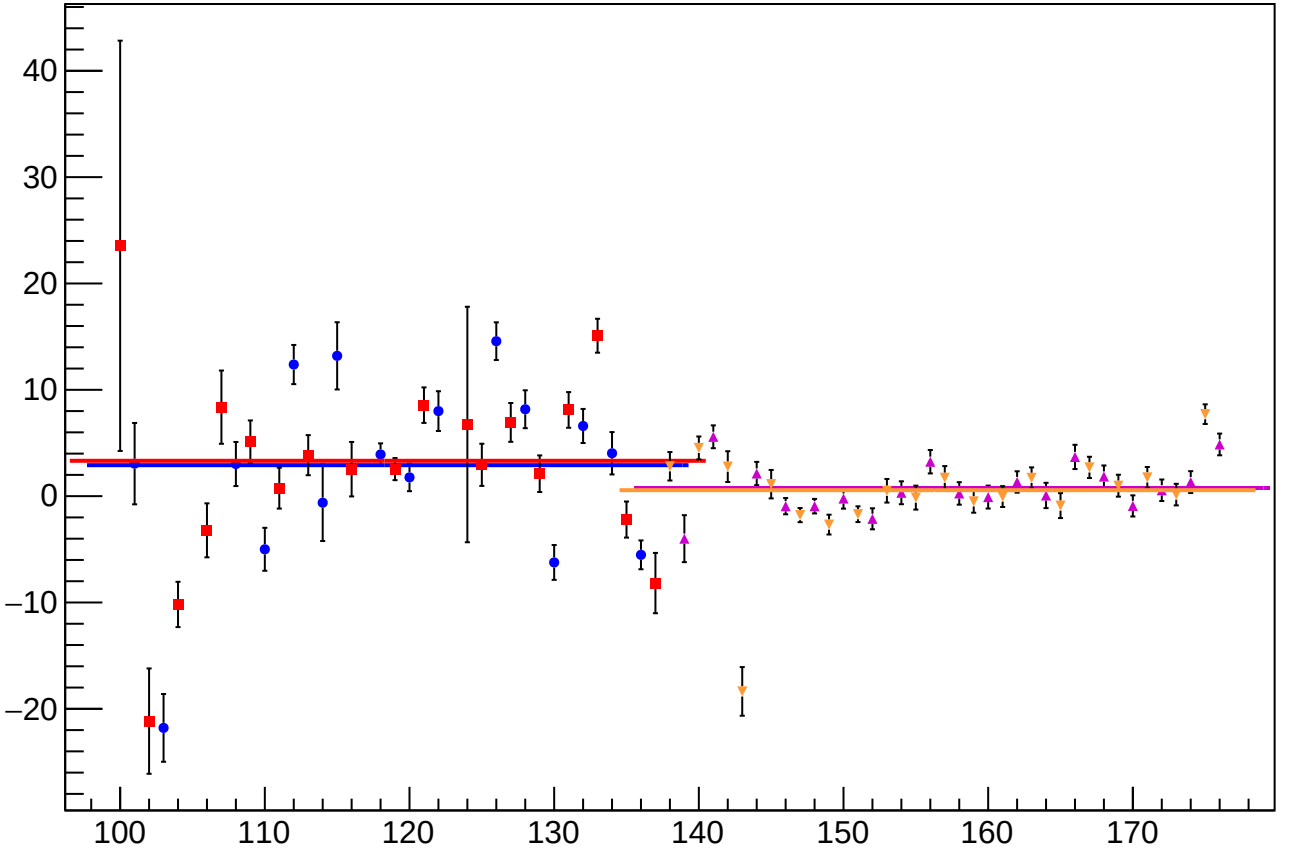
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.550+/-0.254 χ^2/NDF:7111.6/34

Out: 5.832+/-0.253 χ^2/NDF:9099.6/38

All: 5.691+/-0.179 χ^2/NDF: 16211.8/73

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.561+/-0.229 χ^2/NDF:193.1/19

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

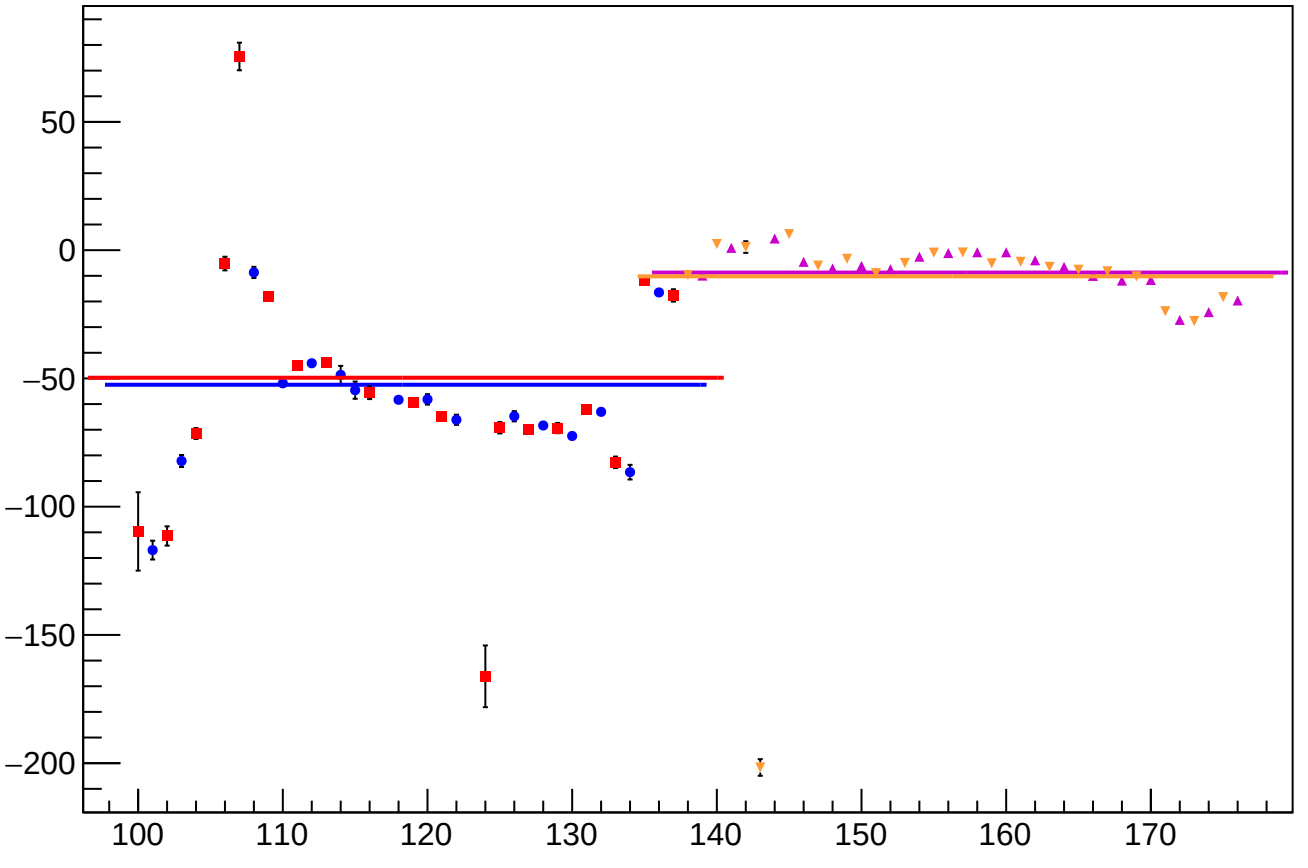
Left: 0.662+/-0.163 χ^2/NDF: 274.4/38

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.228+/-0.205 χ^2/NDF:349.4/34

Out: 1.122+/-0.204 χ^2/NDF:404.5/38

All: 1.175+/-0.145 χ^2/NDF: 754.0/73



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -10.204+/-0.314 χ^2/NDF:4213.8/19

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

Left: -9.463+/-0.222 χ^2/NDF: 4919.3/38

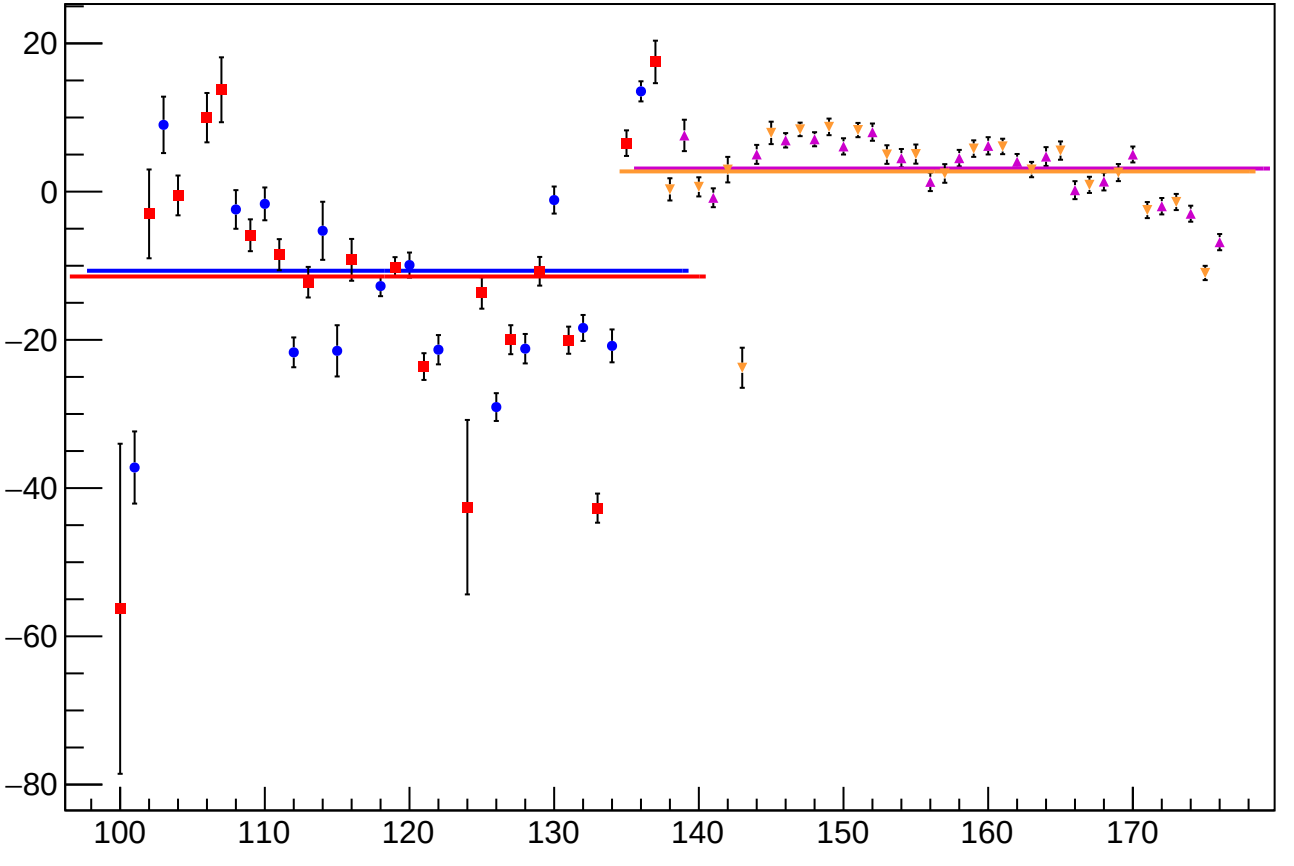
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.444+/-0.263 χ^2/NDF:8727.2/34

Out: -21.595+/-0.265 χ^2/NDF:11780.8/38

All: -21.519+/-0.187 χ^2/NDF: 20508.2/73

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.728+/-0.262 χ^2/NDF:486.8/19

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

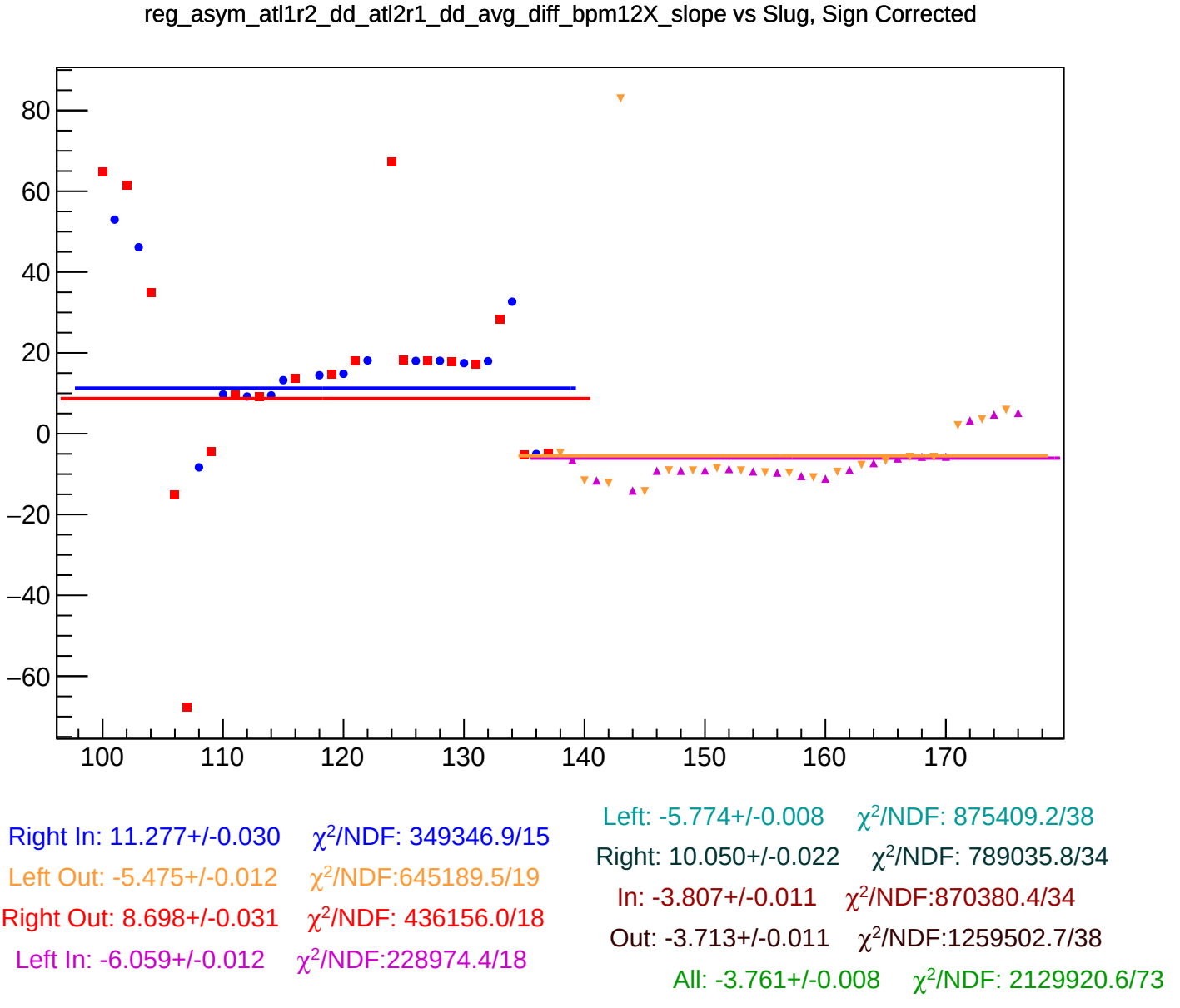
Left: 2.921+/-0.186 χ^2/NDF: 722.8/38

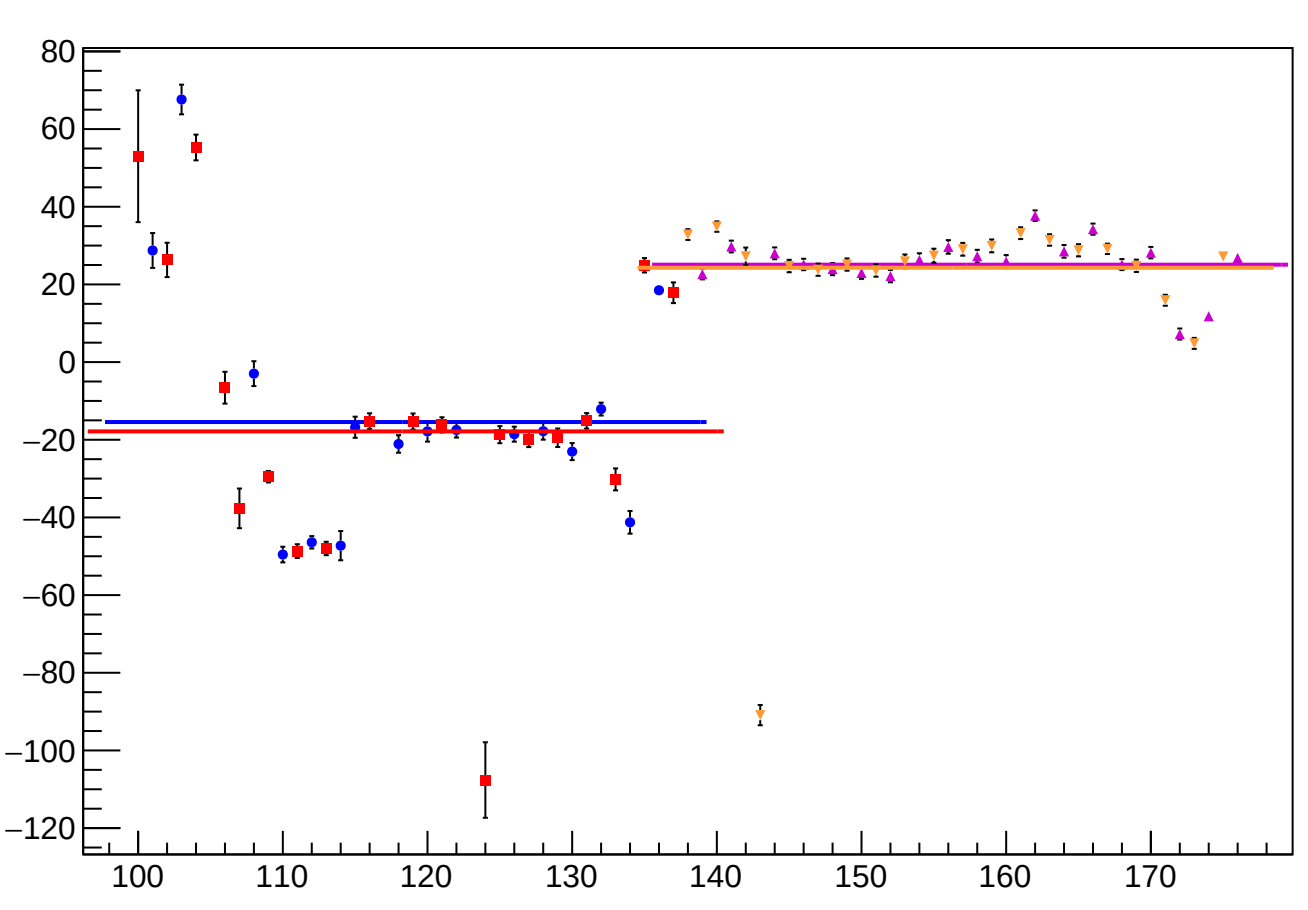
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.154+/-0.234 χ^2/NDF:1485.9/34

Out: -0.175+/-0.234 χ^2/NDF:1752.7/38

All: -0.011+/-0.165 χ^2/NDF: 3239.6/73


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -5.475+/-0.012 χ²/NDF:645189.5/19
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -6.059+/-0.012 χ²/NDF:228974.4/18
Left: -5.774+/-0.008 χ²/NDF: 875409.2/38
Right: 10.050+/-0.022 χ²/NDF: 789035.8/34
In: -3.807+/-0.011 χ²/NDF:870380.4/34
Out: -3.713+/-0.011 χ²/NDF:1259502.7/38
All: -3.761+/-0.008 χ²/NDF: 2129920.6/73



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.293+/-0.342 χ^2/NDF:2383.3/19

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

Left: 24.691+/-0.241 χ^2/NDF: 2828.4/38

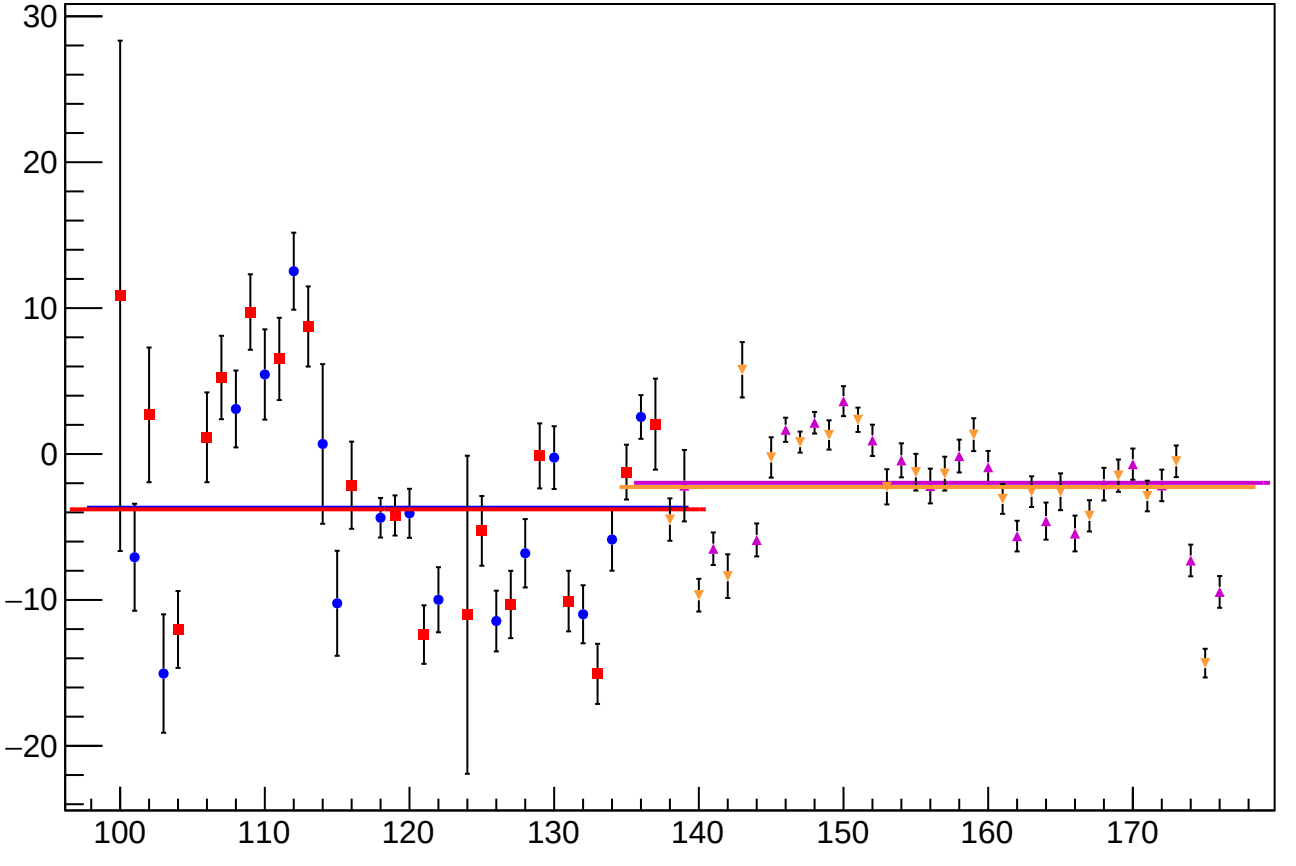
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.576+/-0.287 χ^2/NDF:6612.9/34

Out: 11.910+/-0.287 χ^2/NDF:8979.1/38

All: 12.743+/-0.203 χ^2/NDF: 15608.8/73

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.263+/-0.245 χ^2/NDF:314.2/19

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

Left: -2.120+/-0.174 χ^2/NDF: 533.0/38

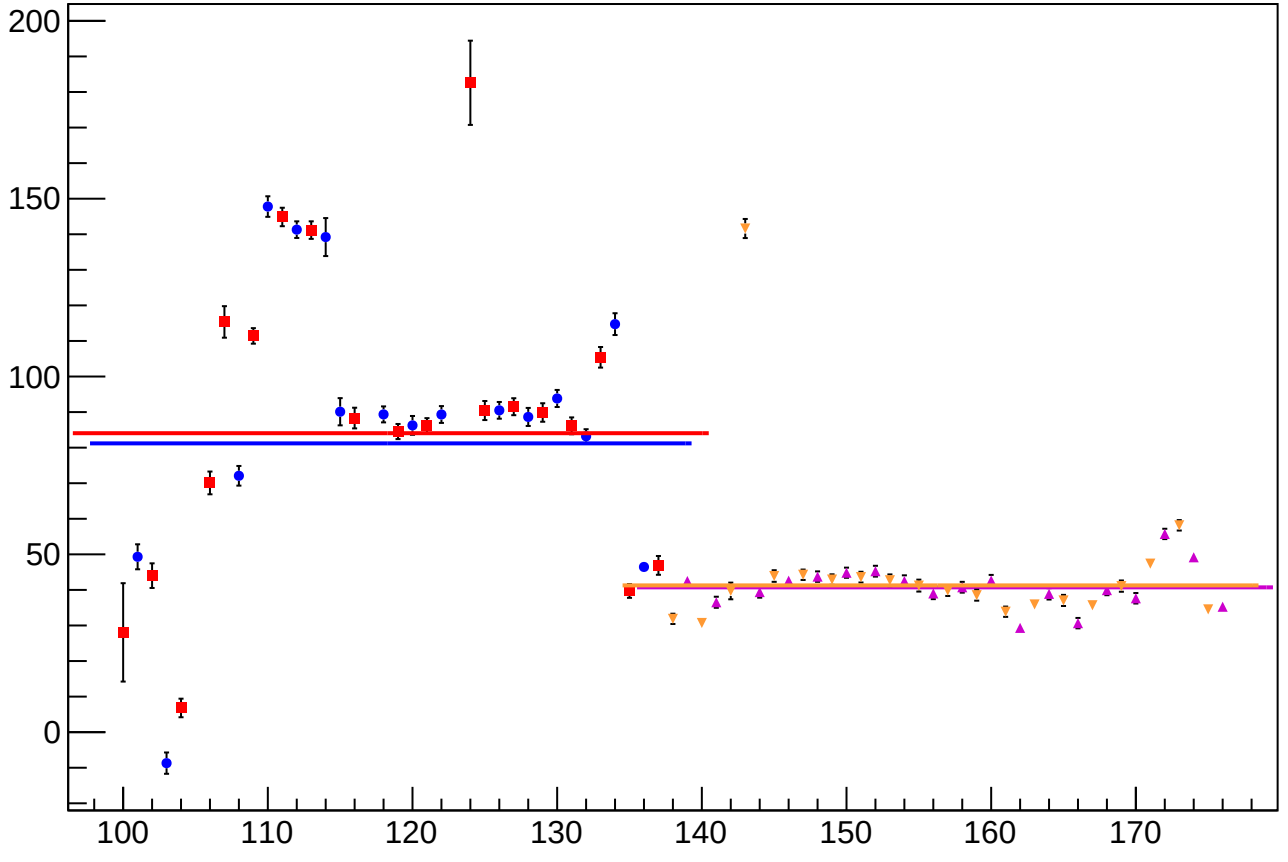
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.260+/-0.226 χ^2/NDF:350.0/34

Out: -2.505+/-0.225 χ^2/NDF:481.6/38

All: -2.383+/-0.159 χ^2/NDF: 832.2/73

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.271+/-0.336 χ^2/NDF:1769.6/19

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

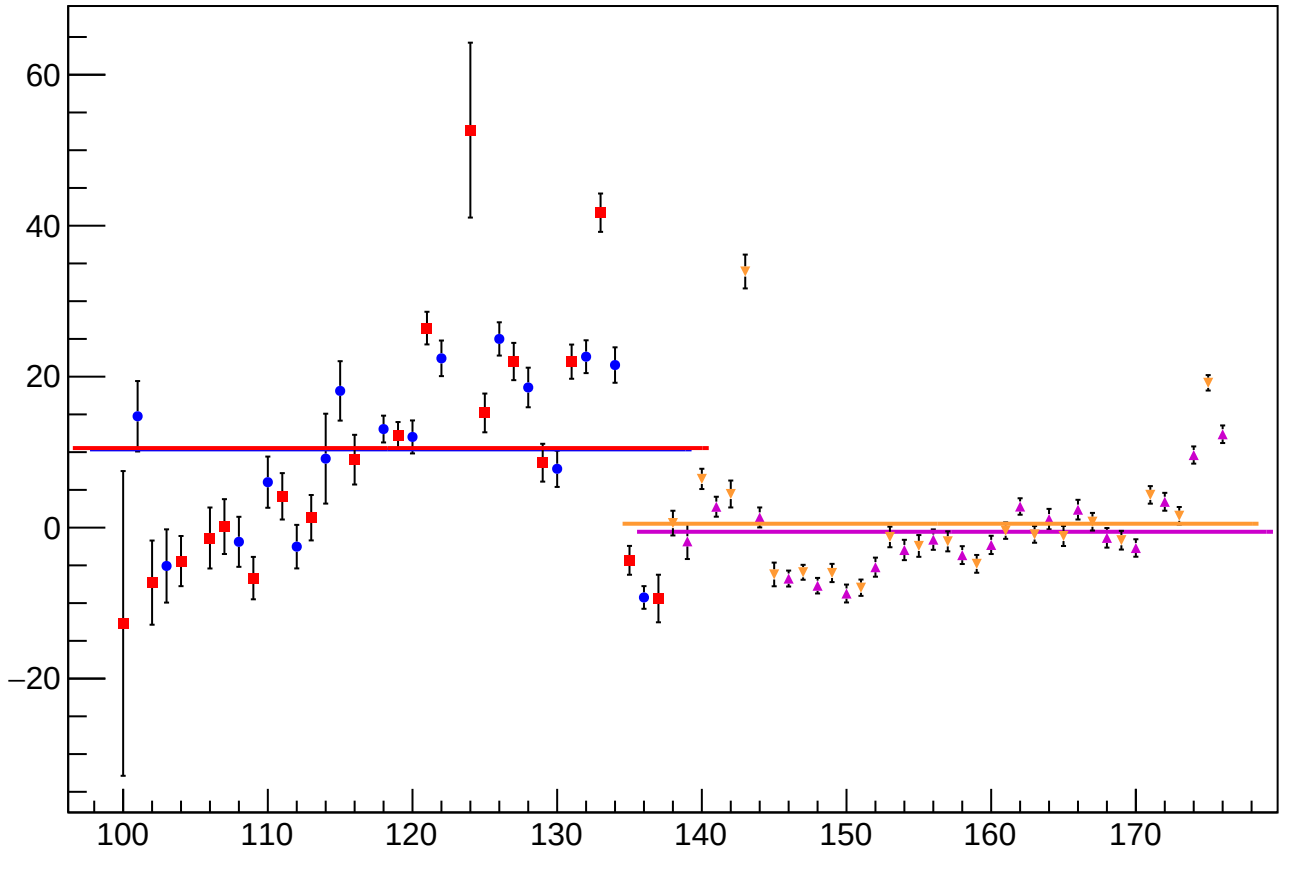
Left: 40.993+/-0.237 χ^2/NDF: 2104.6/38

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.133+/-0.293 χ^2/NDF:6977.5/34

Out: 51.067+/-0.295 χ^2/NDF:8694.2/38

All: 50.596+/-0.208 χ^2/NDF: 15676.8/73



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.516+/-0.280 χ^2/NDF:778.6/19

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

Left: -0.012+/-0.199 χ^2/NDF: 1184.8/38

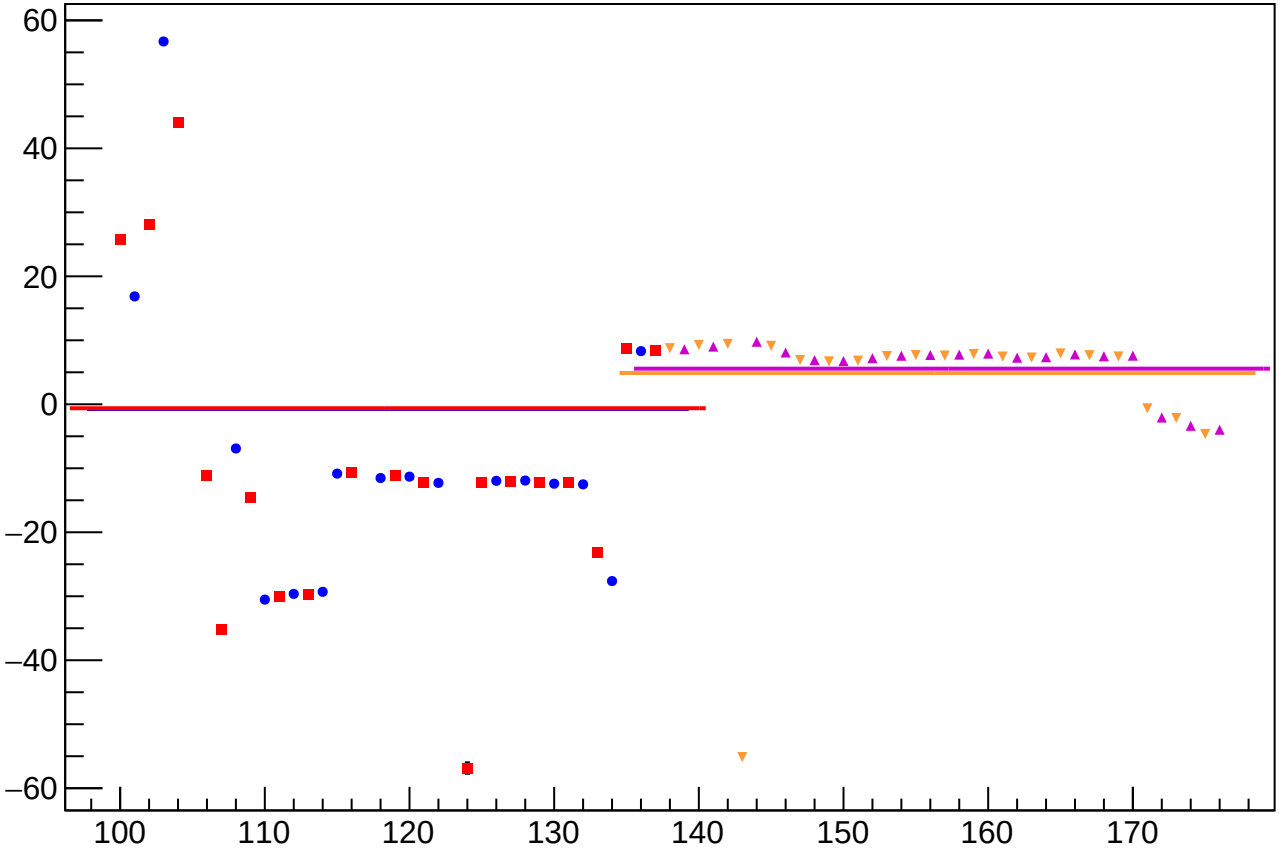
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.294+/-0.258 χ^2/NDF:1011.1/34

Out: 2.124+/-0.256 χ^2/NDF:1455.1/38

All: 1.711+/-0.182 χ^2/NDF: 2471.4/73

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: 4.886+/-0.013 χ^2/NDF:403470.8/19

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

Left: 5.235+/-0.009 χ^2/NDF: 532140.3/38

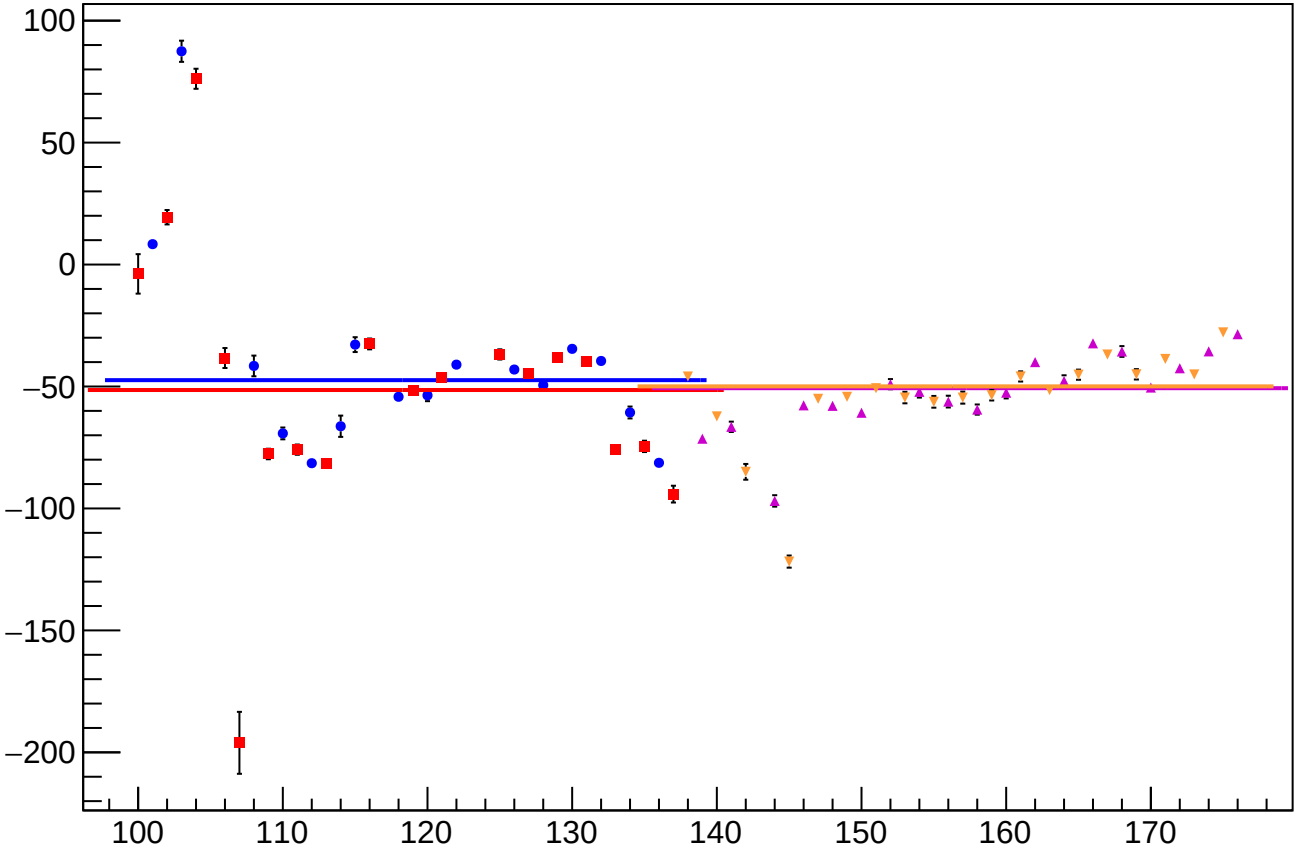
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.897+/-0.012 χ^2/NDF:522846.7/34

Out: 4.318+/-0.012 χ^2/NDF:739454.7/38

All: 4.614+/-0.008 χ^2/NDF: 1263496.5/73

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: -49.945+/-0.457 χ^2/NDF:1401.3/18

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -50.695+/-0.453 χ^2/NDF:1133.4/18

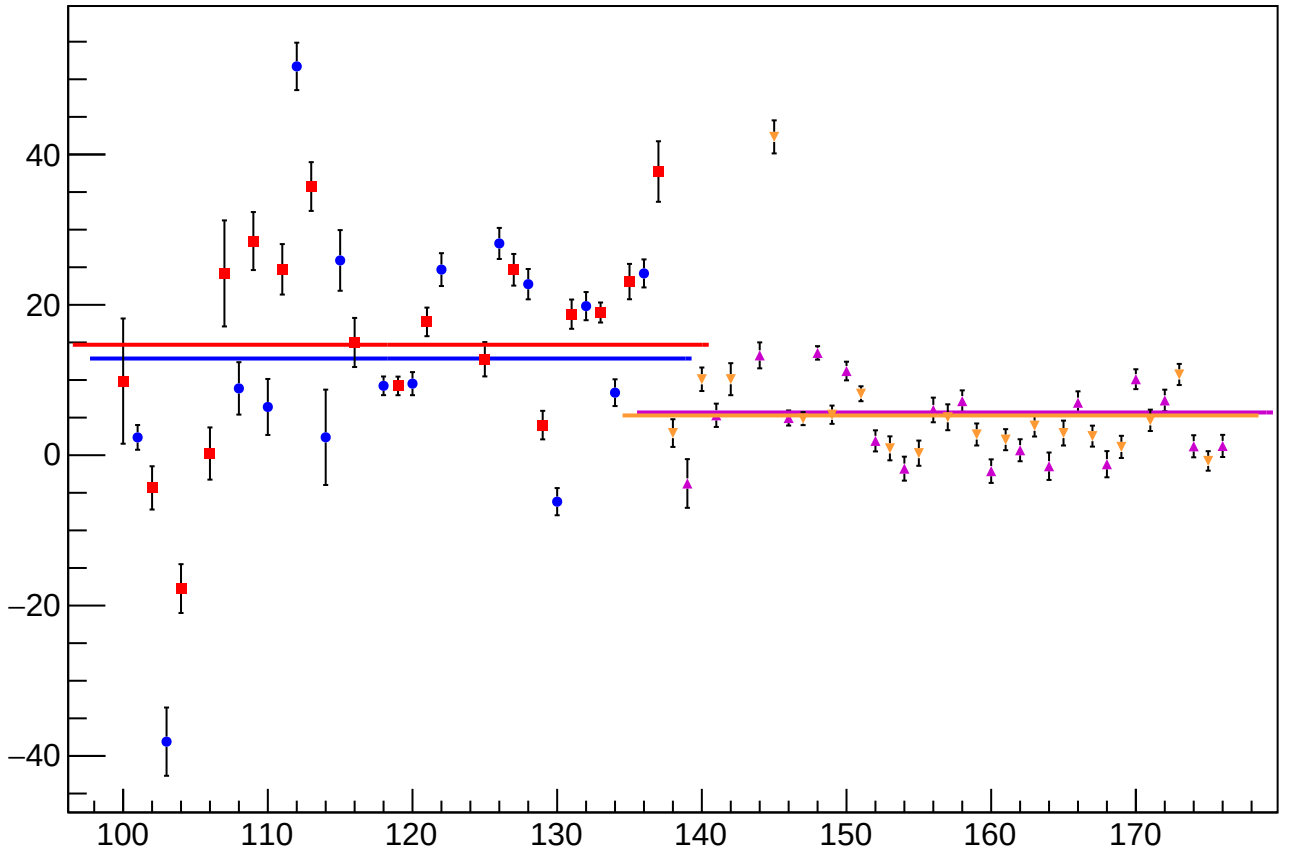
Left: -50.323+/-0.322 χ^2/NDF: 2536.1/37

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -49.320+/-0.346 χ^2/NDF:3924.6/34

Out: -50.563+/-0.350 χ^2/NDF:4278.5/36

All: -49.933+/-0.246 χ^2/NDF: 8209.4/71



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.288+/-0.322 χ^2/NDF:385.3/18

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.686+/-0.326 χ^2/NDF:256.0/18

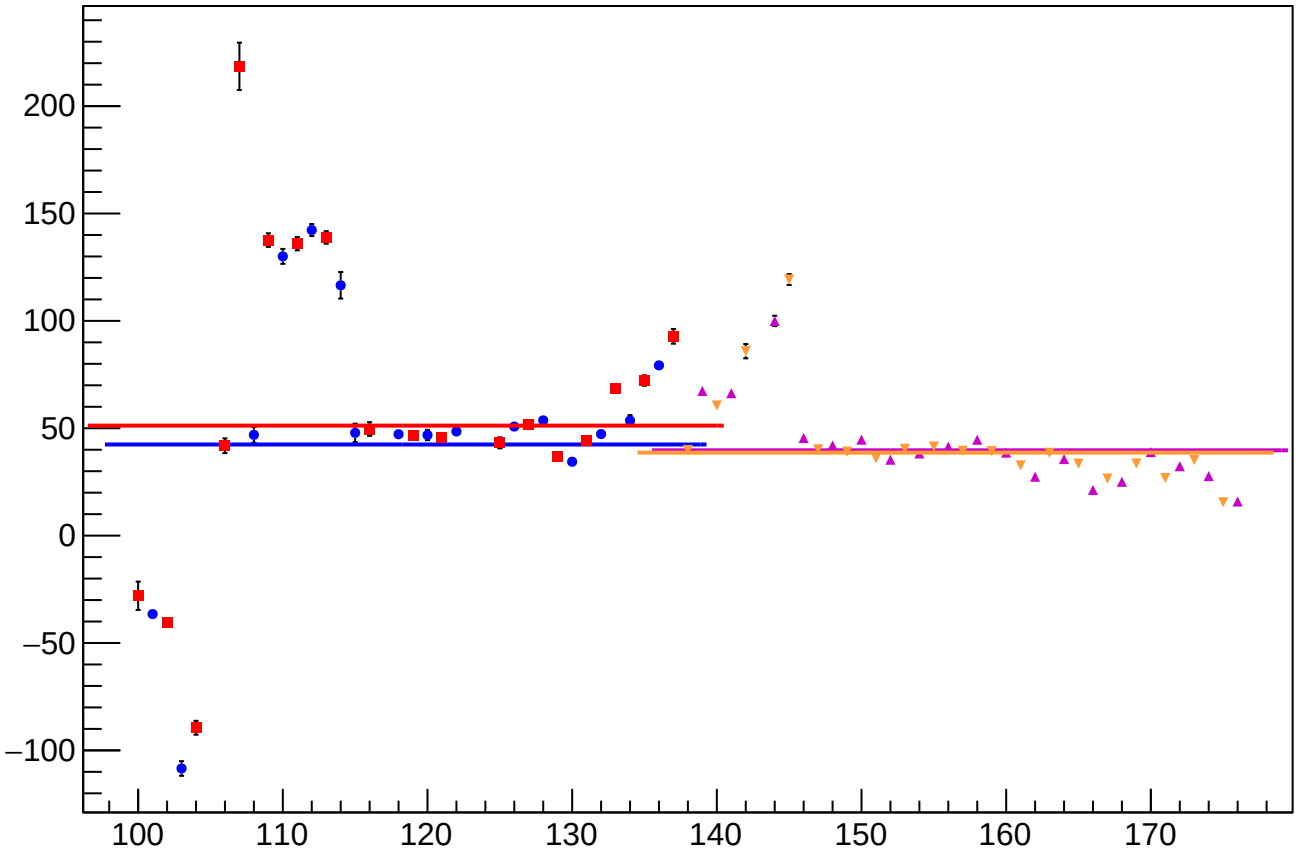
Left: 5.484+/-0.229 χ^2/NDF: 642.1/37

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.715+/-0.276 χ^2/NDF:1018.7/34

Out: 7.726+/-0.277 χ^2/NDF:970.6/36

All: 7.720+/-0.196 χ^2/NDF: 1989.2/71



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 38.664+/-0.448 χ^2/NDF:1757.9/18

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 39.727+/-0.445 χ^2/NDF:1497.6/18

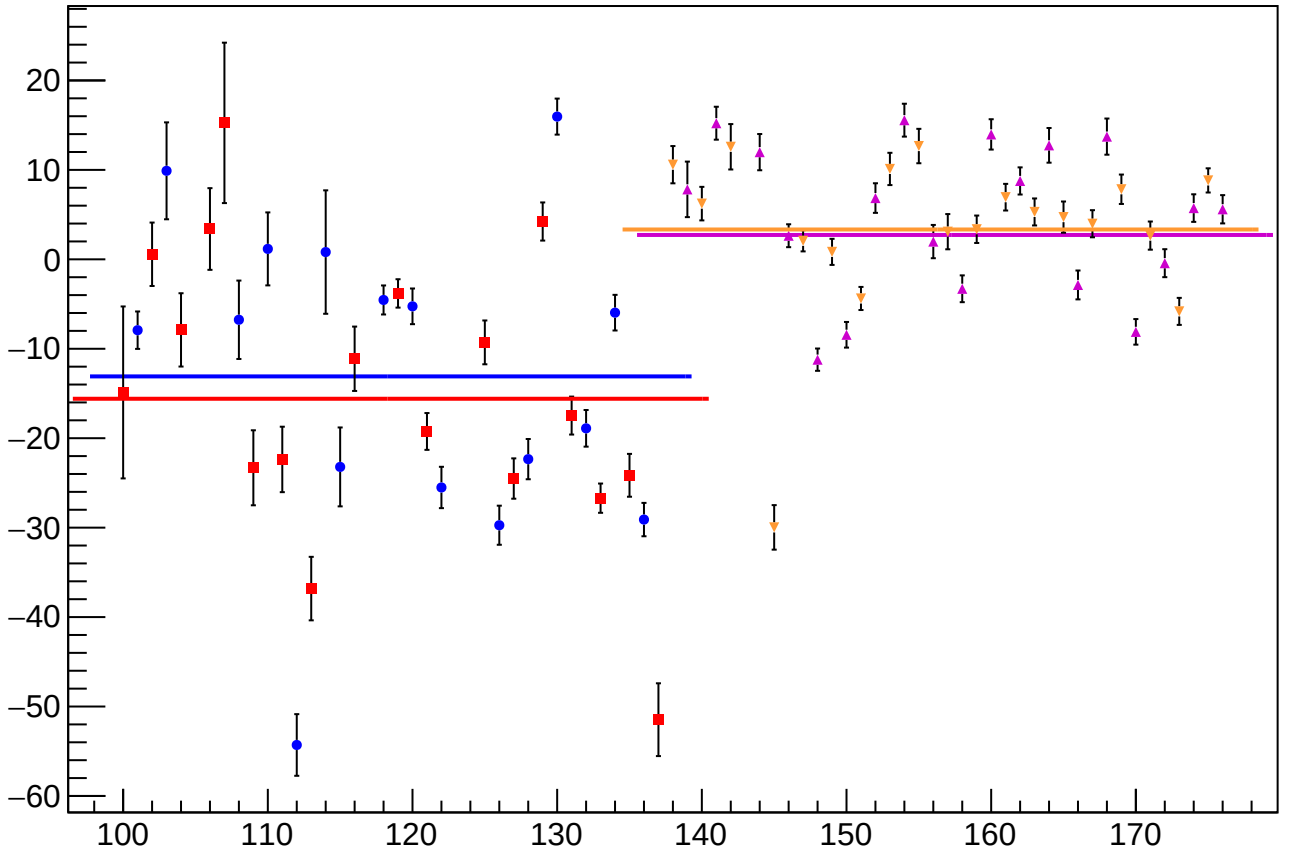
Left: 39.199+/-0.316 χ^2/NDF: 3258.3/37

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 40.721+/-0.354 χ^2/NDF:8680.2/34

Out: 43.021+/-0.362 χ^2/NDF:8641.8/36

All: 41.845+/-0.253 χ^2/NDF: 17342.6/71



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.336+/-0.370 χ^2/NDF:353.4/18

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.724+/-0.373 χ^2/NDF:523.1/18

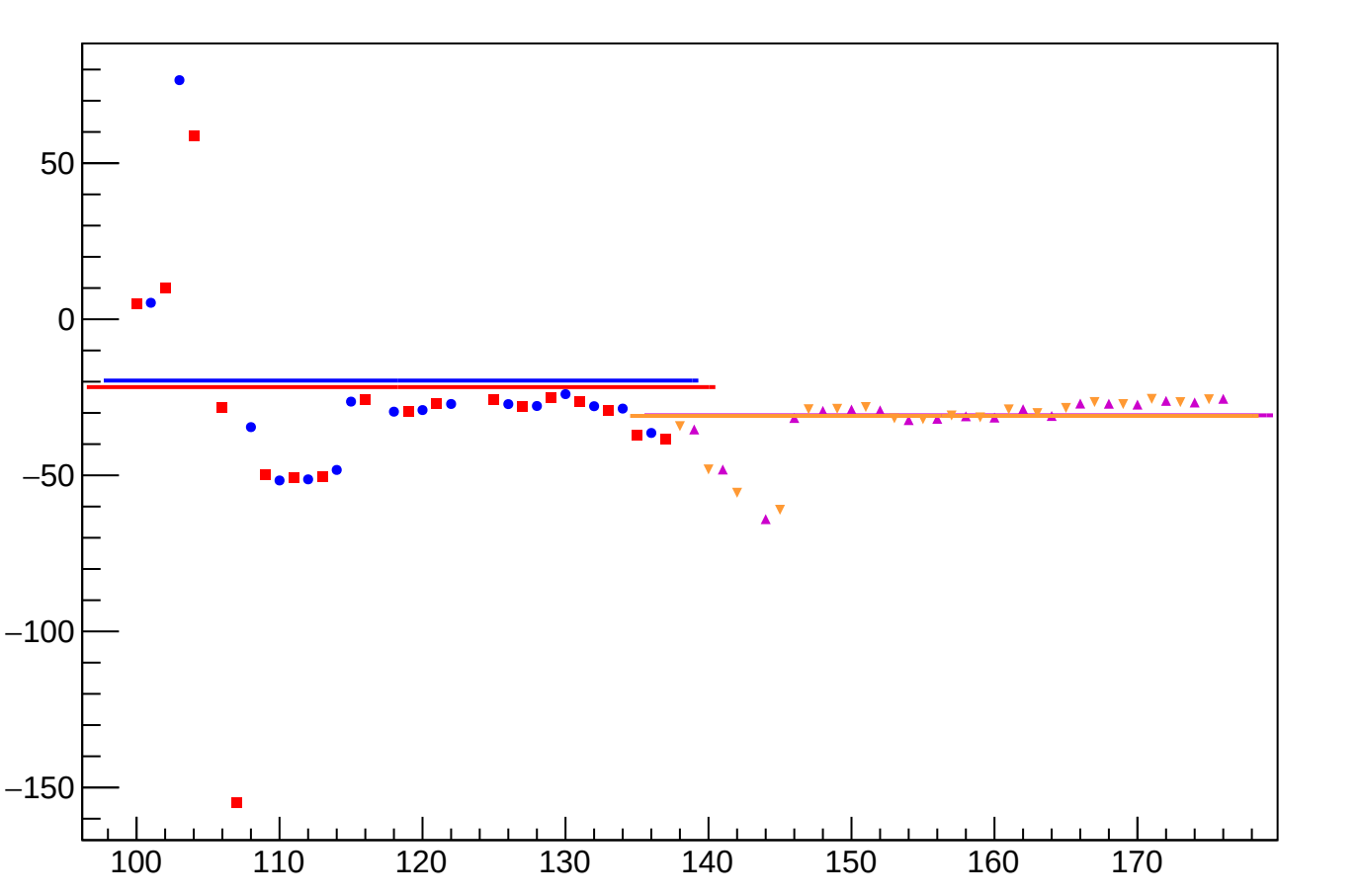
Left: 3.033+/-0.263 χ^2/NDF: 877.9/37

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.694+/-0.317 χ^2/NDF:1664.1/34

Out: -1.563+/-0.319 χ^2/NDF:1430.8/36

All: -1.629+/-0.225 χ^2/NDF: 3095.0/71



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.967+/-0.017 χ^2/NDF:197857.5/18

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -30.775+/-0.017 χ^2/NDF:164043.9/18

Left: -30.869+/-0.012 χ^2/NDF: 361966.9/37

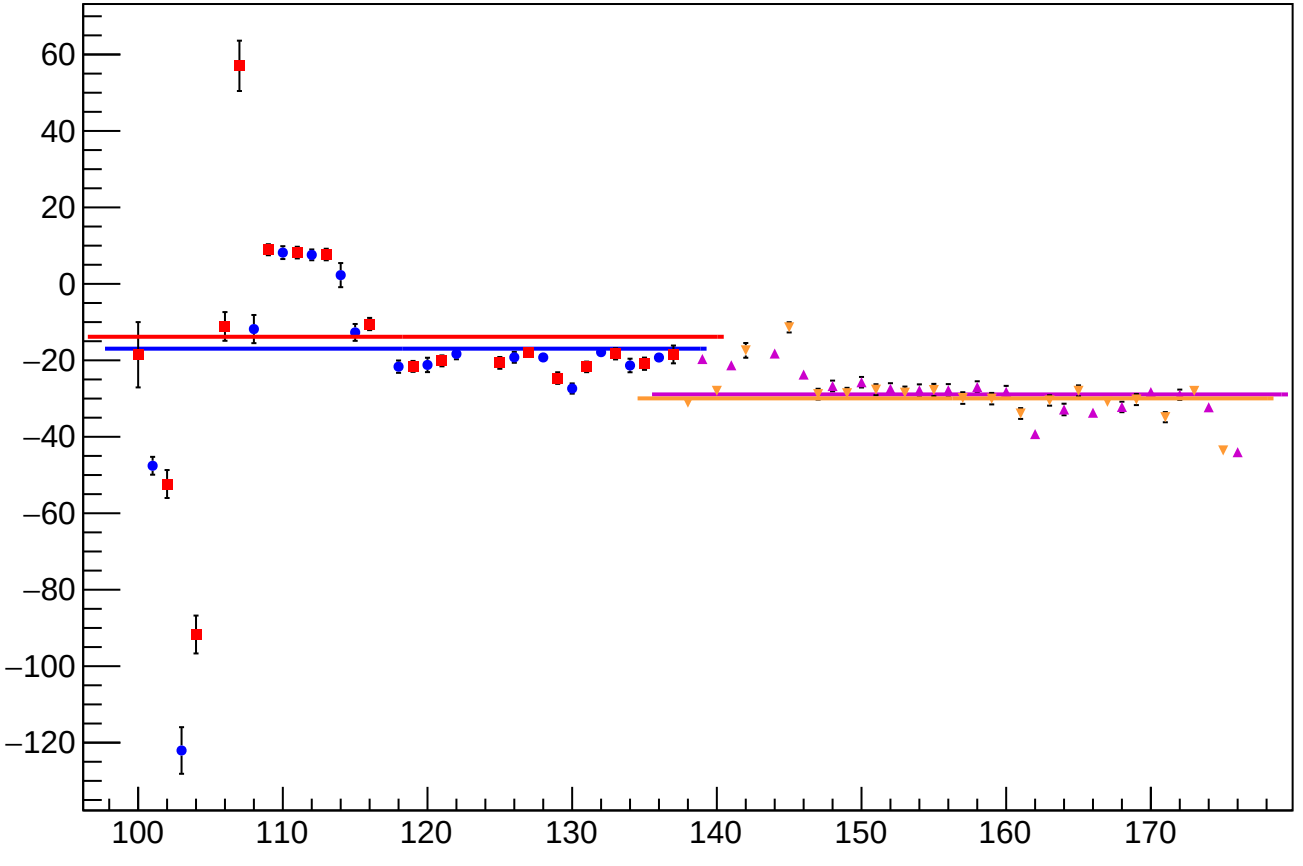
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.840+/-0.015 χ^2/NDF:889463.3/34

Out: -29.490+/-0.016 χ^2/NDF:791912.9/36

All: -29.154+/-0.011 χ^2/NDF: 1682277.2/71

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: -29.951+/-0.312 χ^2/NDF:471.0/18

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -28.915+/-0.308 χ^2/NDF:472.1/18

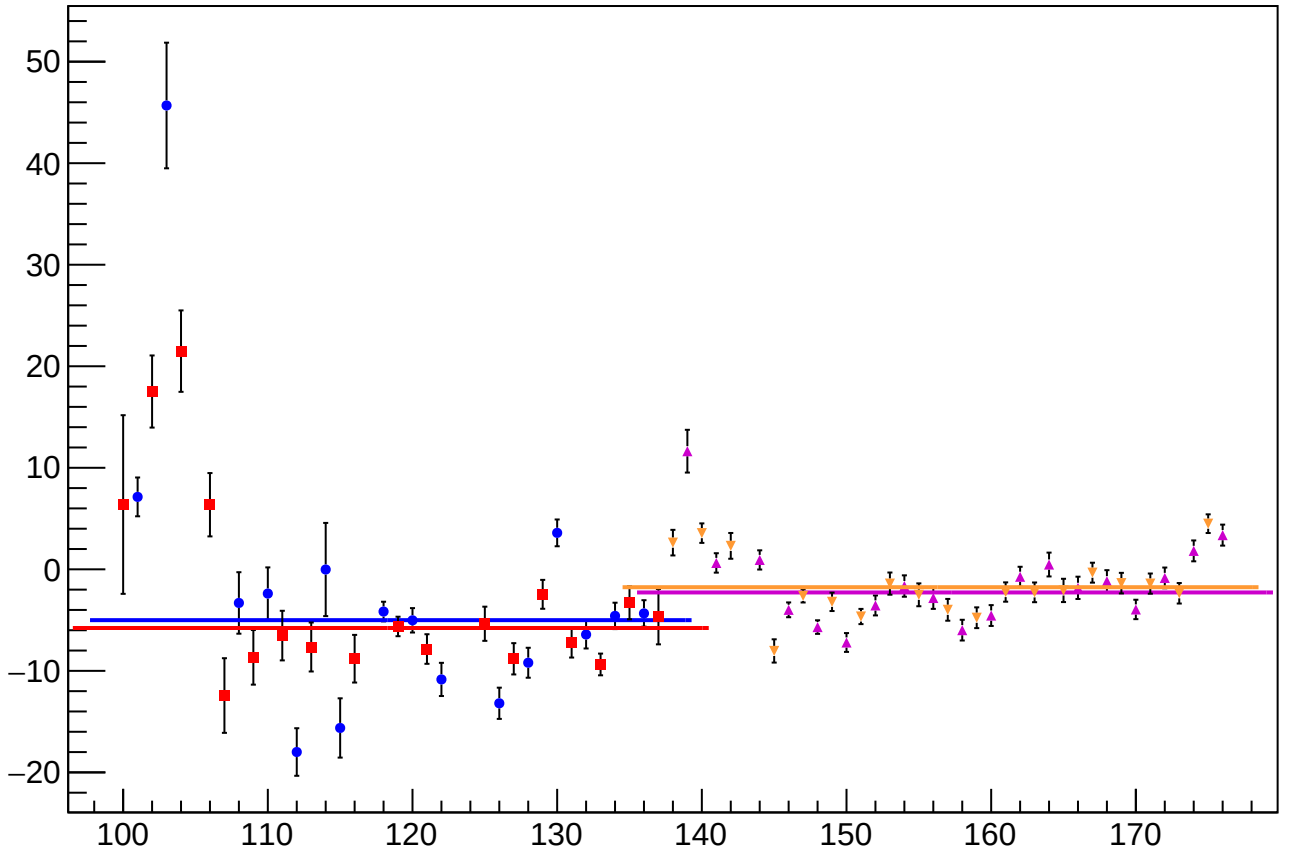
Left: -29.427+/-0.219 χ^2/NDF: 948.7/37

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -24.515+/-0.245 χ^2/NDF:2155.4/34

Out: -24.033+/-0.248 χ^2/NDF:2785.4/36

All: -24.277+/-0.174 χ^2/NDF: 4942.7/71



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.761+/-0.223 χ^2/NDF:165.4/18

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.278+/-0.225 χ^2/NDF:204.4/18

Left: -2.018+/-0.158 χ^2/NDF: 372.6/37

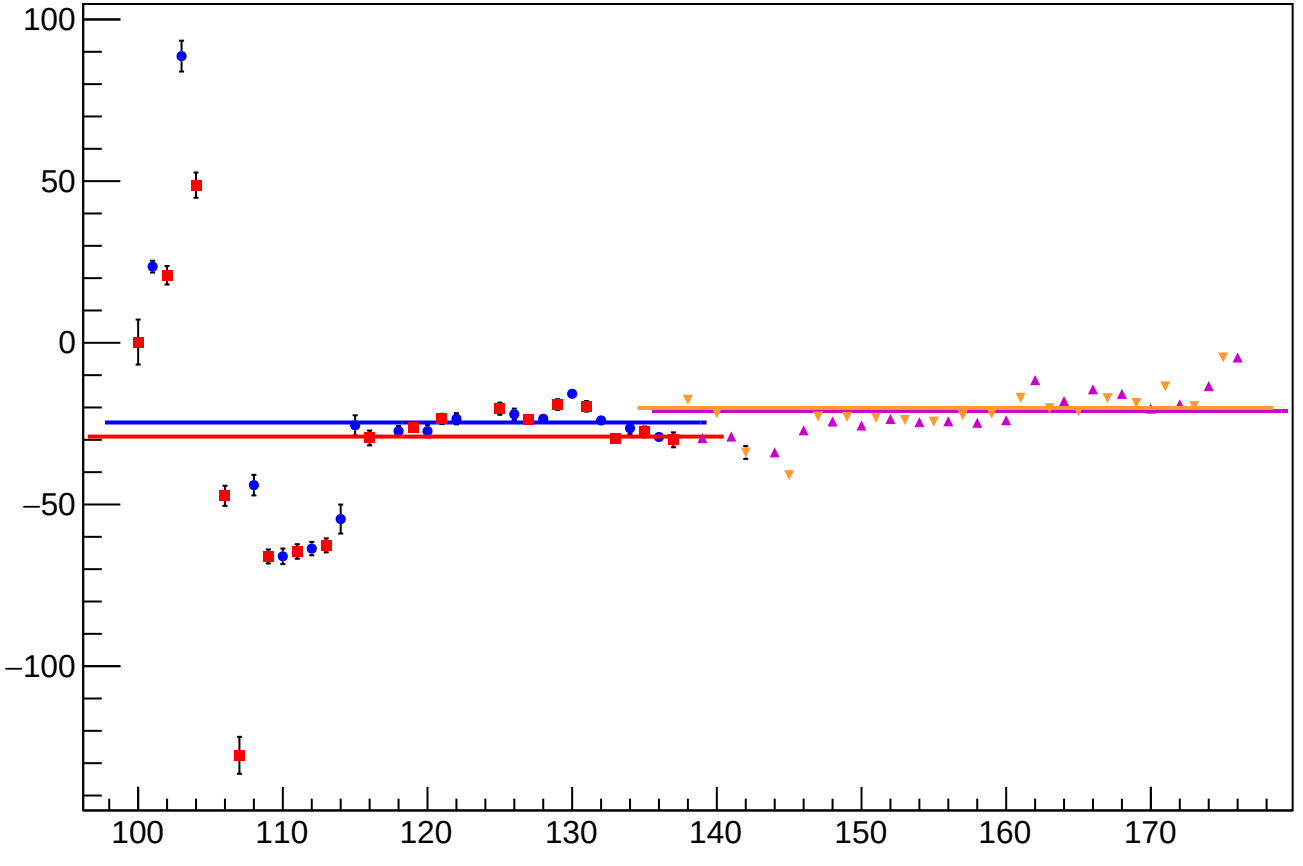
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.929+/-0.196 χ^2/NDF:487.4/34

Out: -2.649+/-0.197 χ^2/NDF:376.3/36

All: -2.790+/-0.139 χ^2/NDF: 864.7/71

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: -20.151+/-0.306 χ^2/NDF:618.5/18

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -21.069+/-0.303 χ^2/NDF:605.0/18

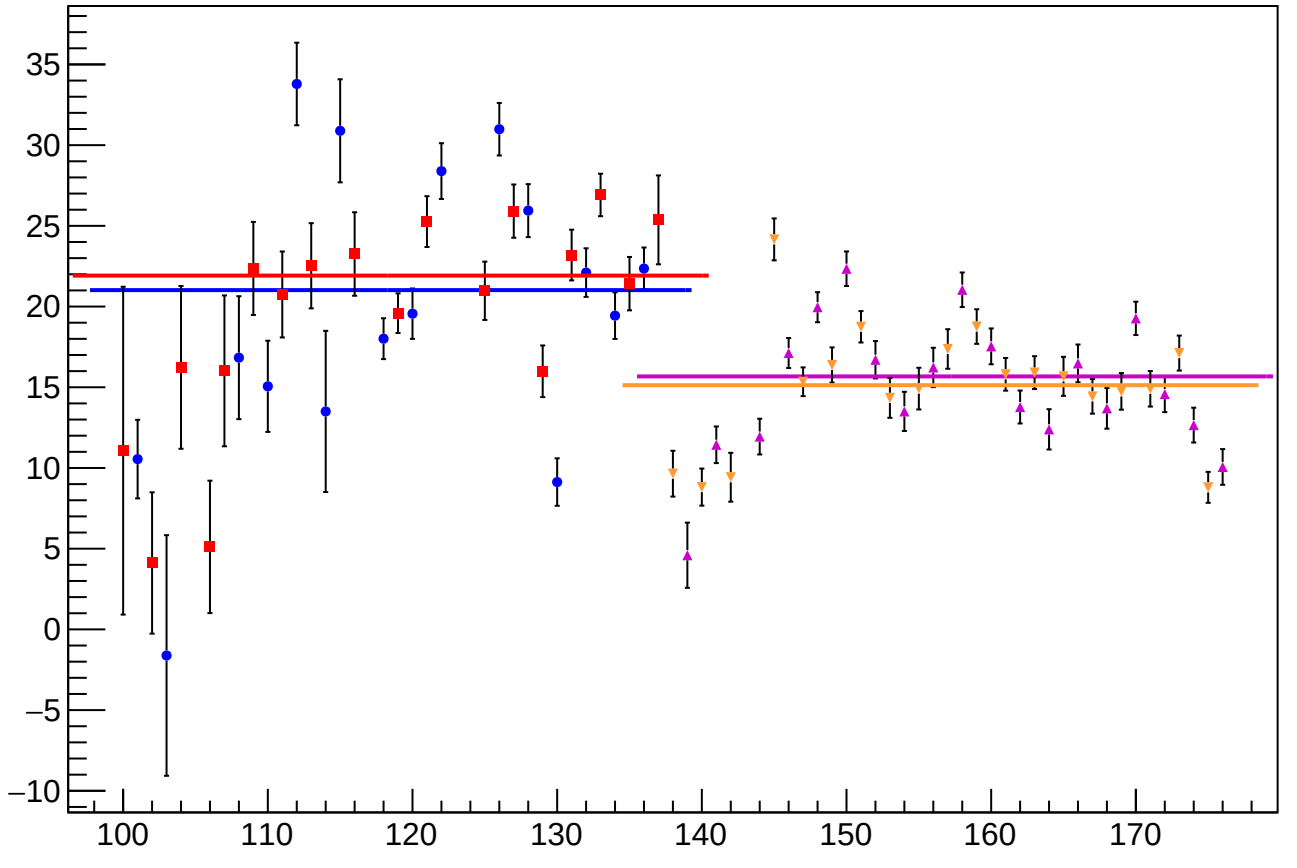
Left: -20.615+/-0.216 χ^2/NDF: 1228.1/37

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -22.168+/-0.252 χ^2/NDF:2699.5/34

Out: -22.751+/-0.258 χ^2/NDF:2815.9/36

All: -22.453+/-0.180 χ^2/NDF: 5518.0/71



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.129+/-0.256 χ^2/NDF:187.1/18

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.673+/-0.257 χ^2/NDF:209.8/18

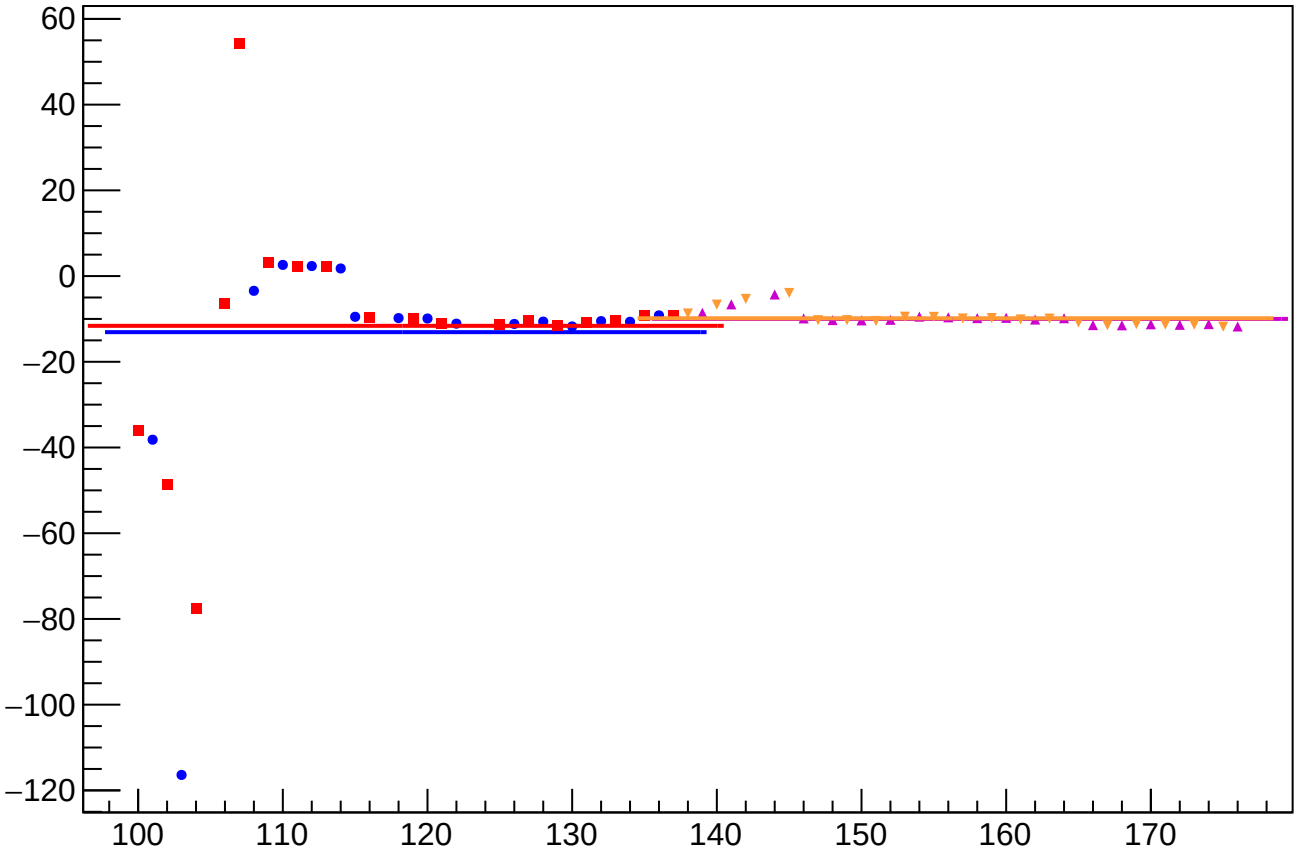
Left: 15.400+/-0.181 χ^2/NDF: 399.1/37

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.949+/-0.224 χ^2/NDF:523.0/34

Out: 16.639+/-0.226 χ^2/NDF:426.2/36

All: 16.795+/-0.159 χ^2/NDF: 950.2/71



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.854+/-0.012 χ^2/NDF:26067.6/18

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.996+/-0.011 χ^2/NDF:20329.3/18

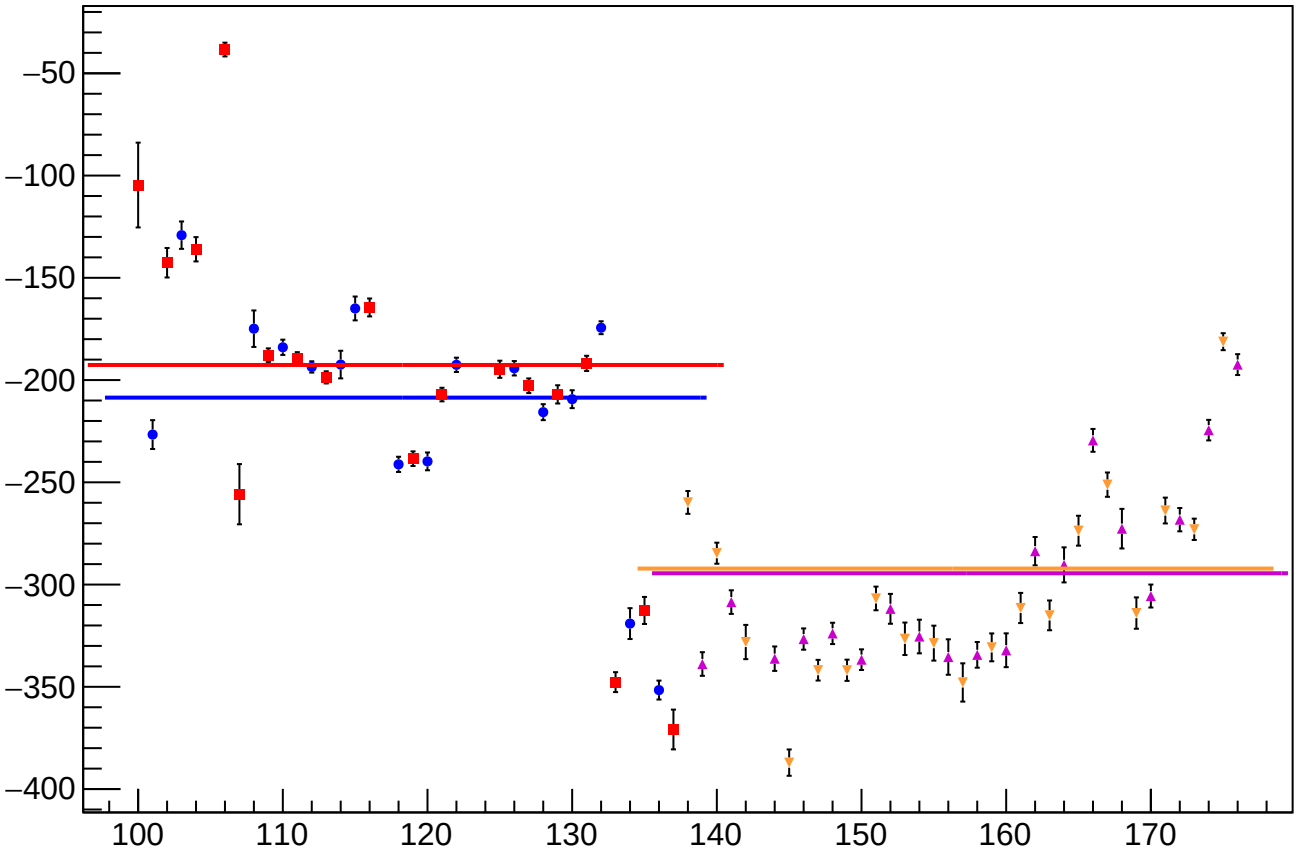
Left: -9.927+/-0.008 χ^2/NDF: 46474.6/37

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.417+/-0.010 χ^2/NDF:375489.9/34

Out: -10.070+/-0.011 χ^2/NDF:343085.9/36

All: -10.249+/-0.008 χ^2/NDF: 719104.9/71



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -292.166+/-1.417 χ^2/NDF:1398.1/18

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -294.464+/-1.407 χ^2/NDF:1119.5/18

Left: -293.323+/-0.998 χ^2/NDF: 2518.8/37

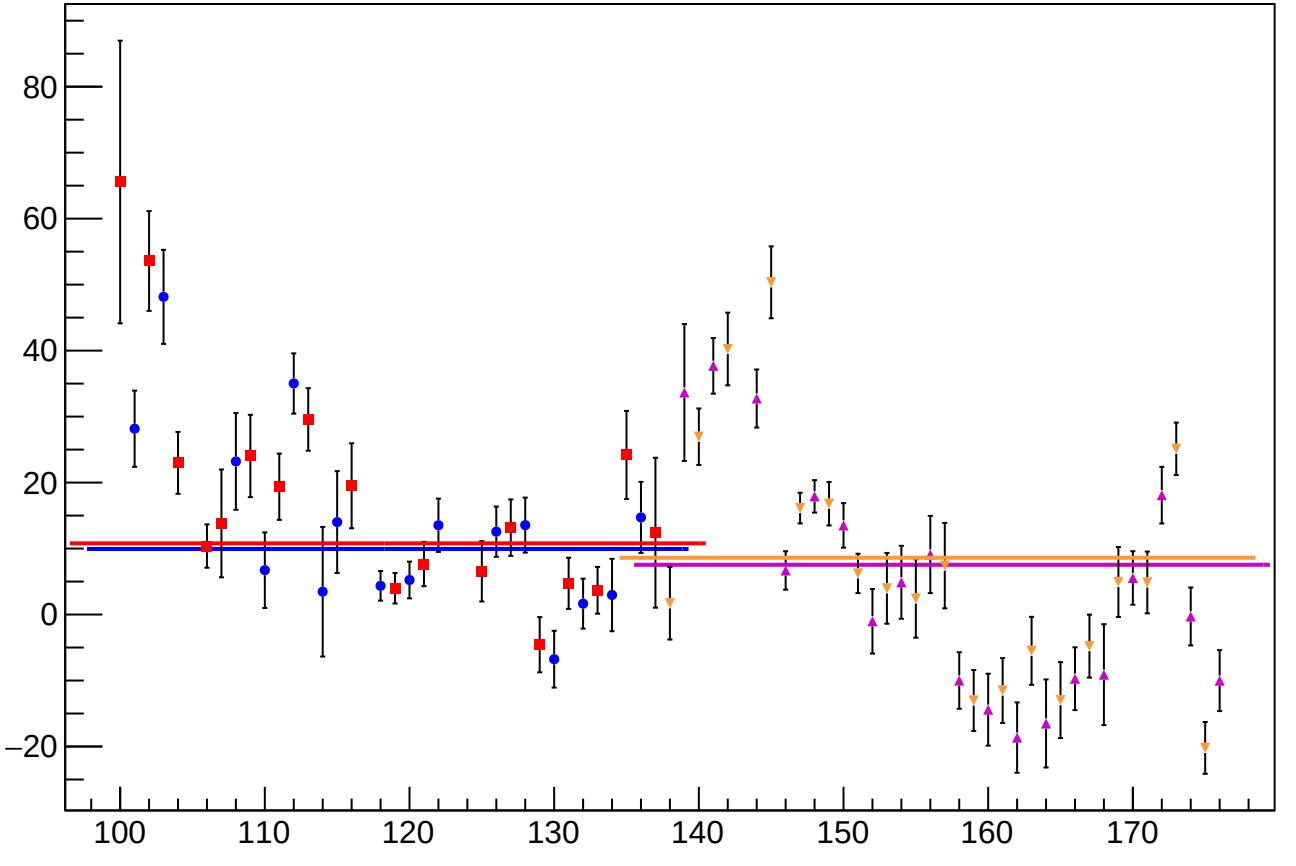
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.930+/-0.850 χ^2/NDF:5237.2/34

Out: -225.659+/-0.816 χ^2/NDF:8902.0/36

All: -232.508+/-0.589 χ^2/NDF: 14285.8/71

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.609+/-0.980 χ^2/NDF:271.3/18

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 7.539+/-0.993 χ^2/NDF:226.6/18

Left: 8.081+/-0.698 χ^2/NDF: 498.5/37

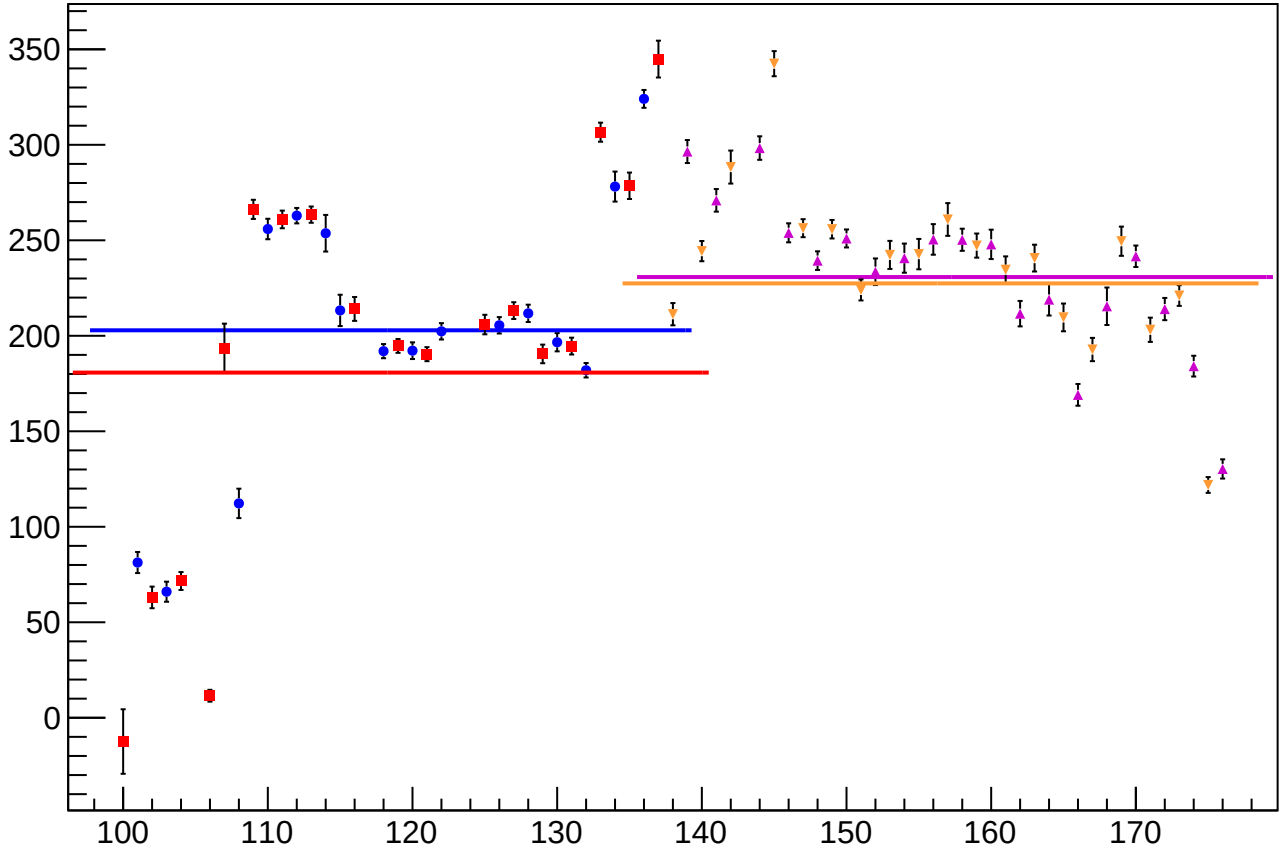
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 8.655+/-0.727 χ^2/NDF:335.8/34

Out: 9.630+/-0.714 χ^2/NDF:378.7/36

All: 9.151+/-0.509 χ^2/NDF: 715.5/71

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 227.439+/-1.392 χ^2/NDF:1197.3/18

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 230.758+/-1.383 χ^2/NDF:966.4/18

Left: 229.108+/-0.981 χ^2/NDF: 2166.5/37

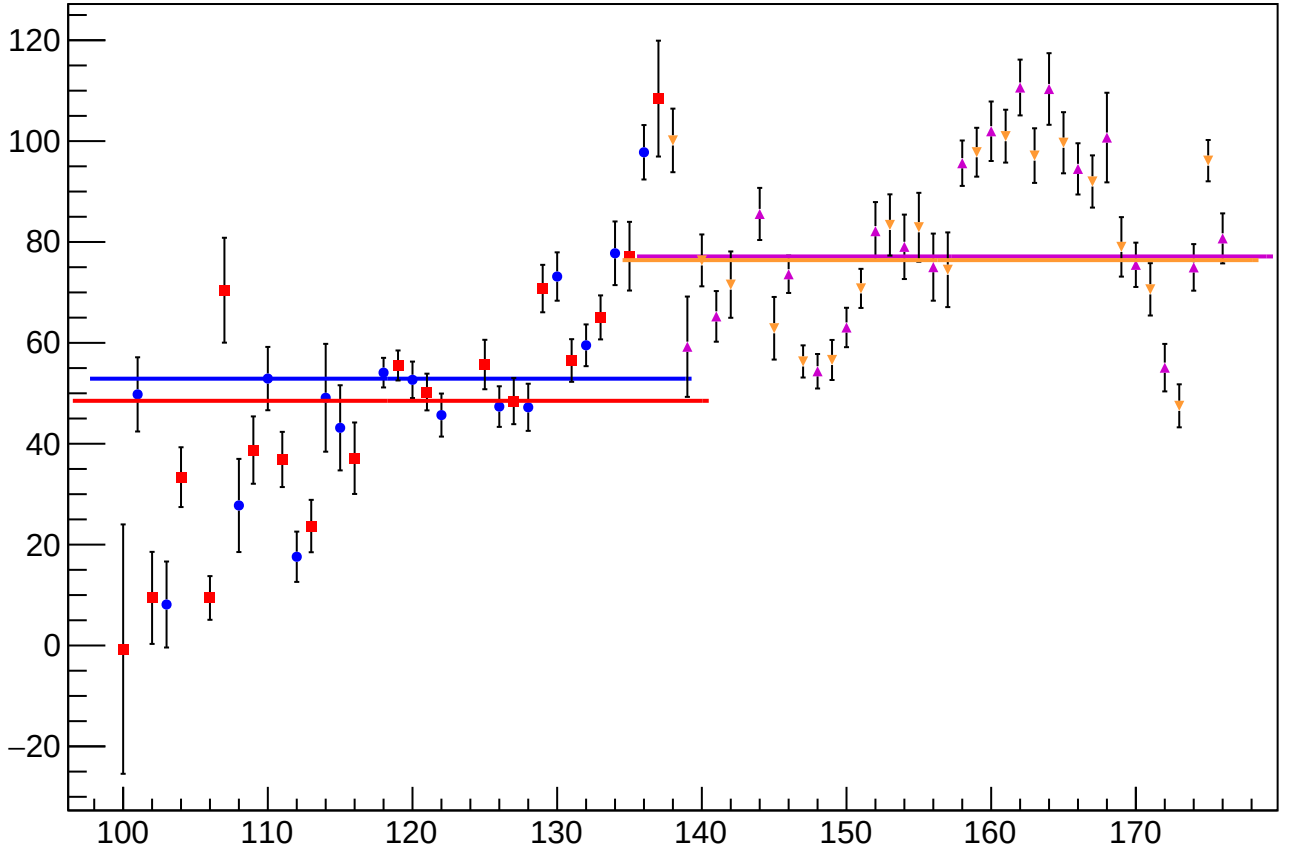
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 215.136+/-0.917 χ^2/NDF:3658.2/34

Out: 199.558+/-0.884 χ^2/NDF:8217.5/36

All: 207.055+/-0.636 χ^2/NDF: 12025.3/71

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: 76.401+/-1.143 χ^2/NDF:238.9/18

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.133+/-1.151 χ^2/NDF:205.3/18

Left: 76.765+/-0.811 χ^2/NDF: 444.4/37

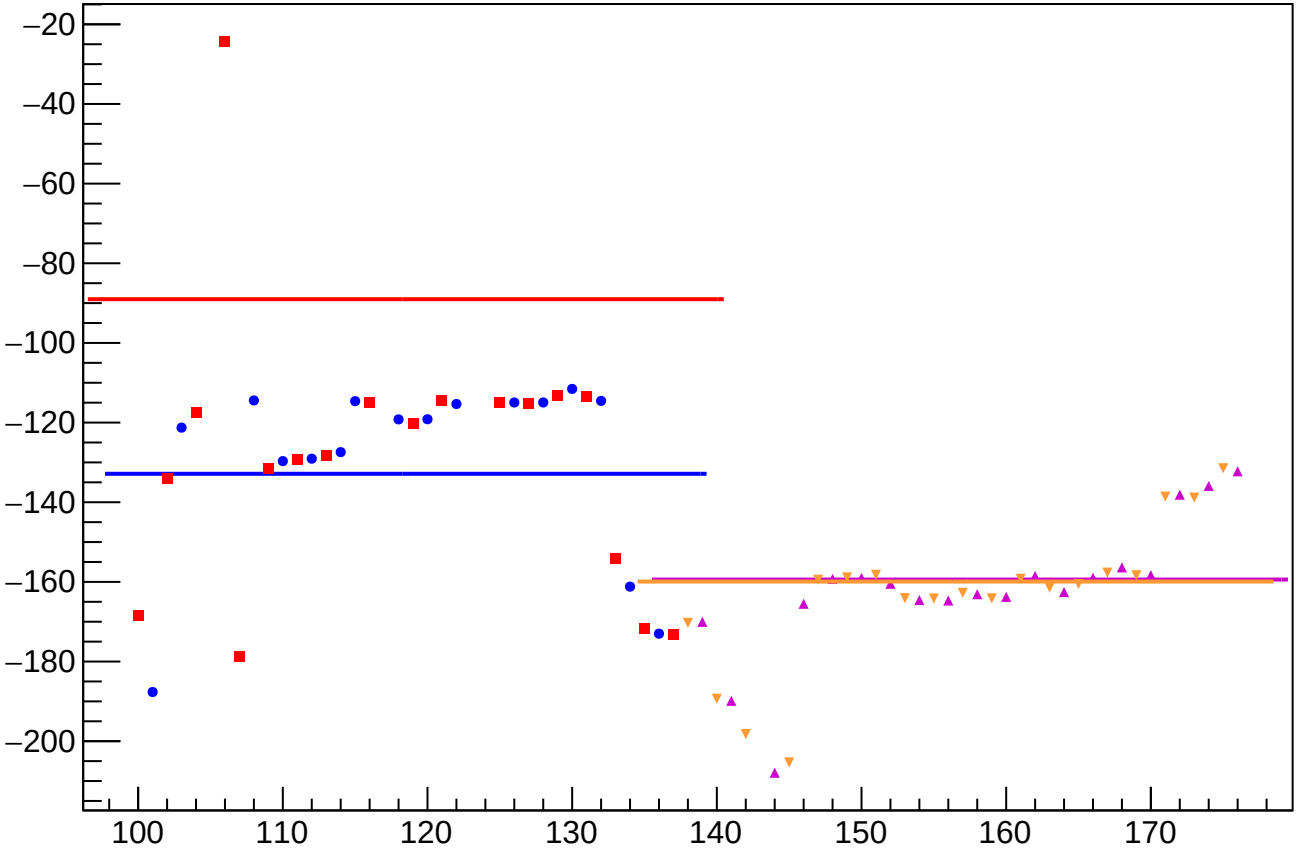
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.932+/-0.844 χ^2/NDF:608.5/34

Out: 63.299+/-0.832 χ^2/NDF:758.6/36

All: 64.597+/-0.593 χ^2/NDF: 1372.1/71

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -159.917+/-0.054 χ^2/NDF:105046.3/18

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -159.411+/-0.052 χ^2/NDF:94221.6/18

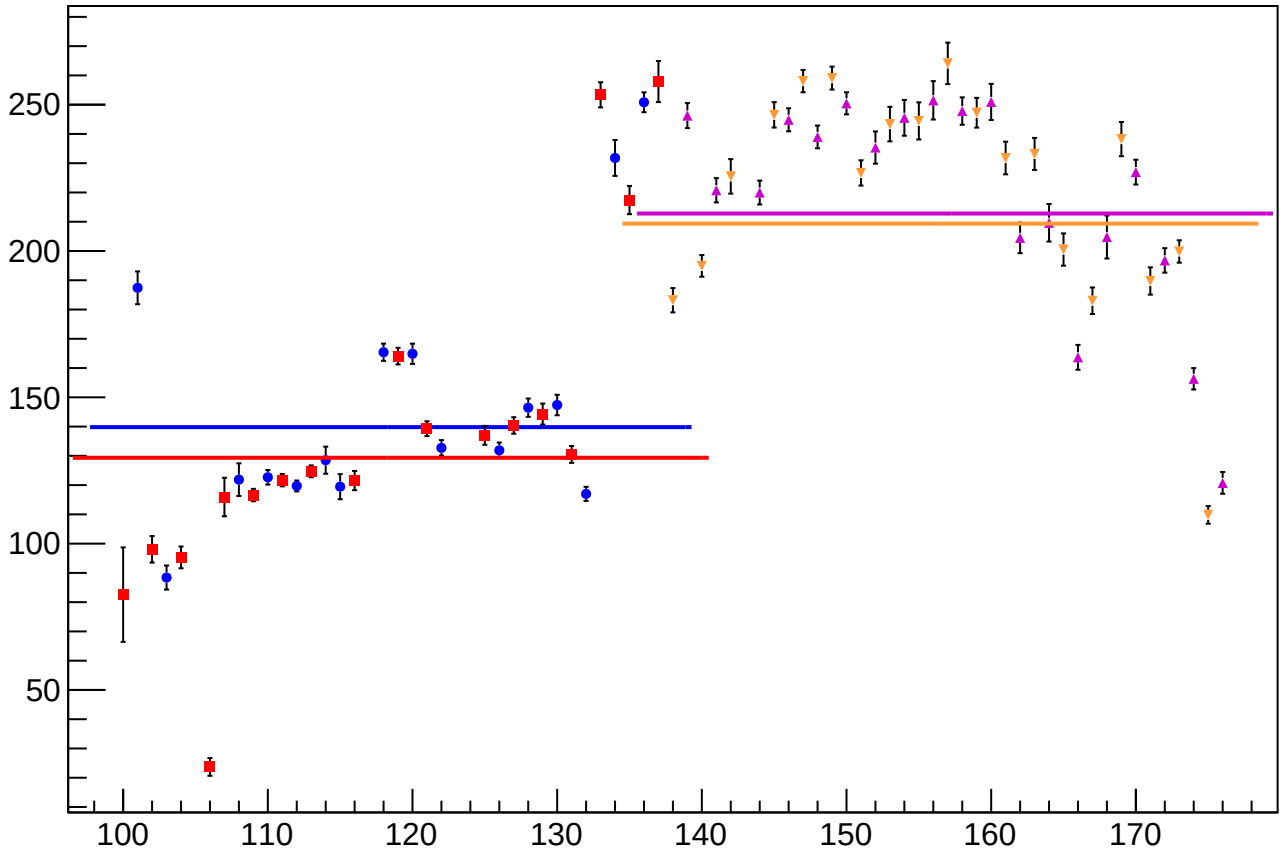
Left: -159.657+/-0.037 χ^2/NDF: 199313.3/37

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -151.640+/-0.044 χ^2/NDF:263086.9/34

Out: -130.678+/-0.041 χ^2/NDF:1550435.9/36

All: -140.471+/-0.030 χ^2/NDF: 1934405.6/71



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 209.357+/-1.046 χ^2/NDF:1870.6/18

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 212.801+/-1.041 χ^2/NDF:1469.3/18

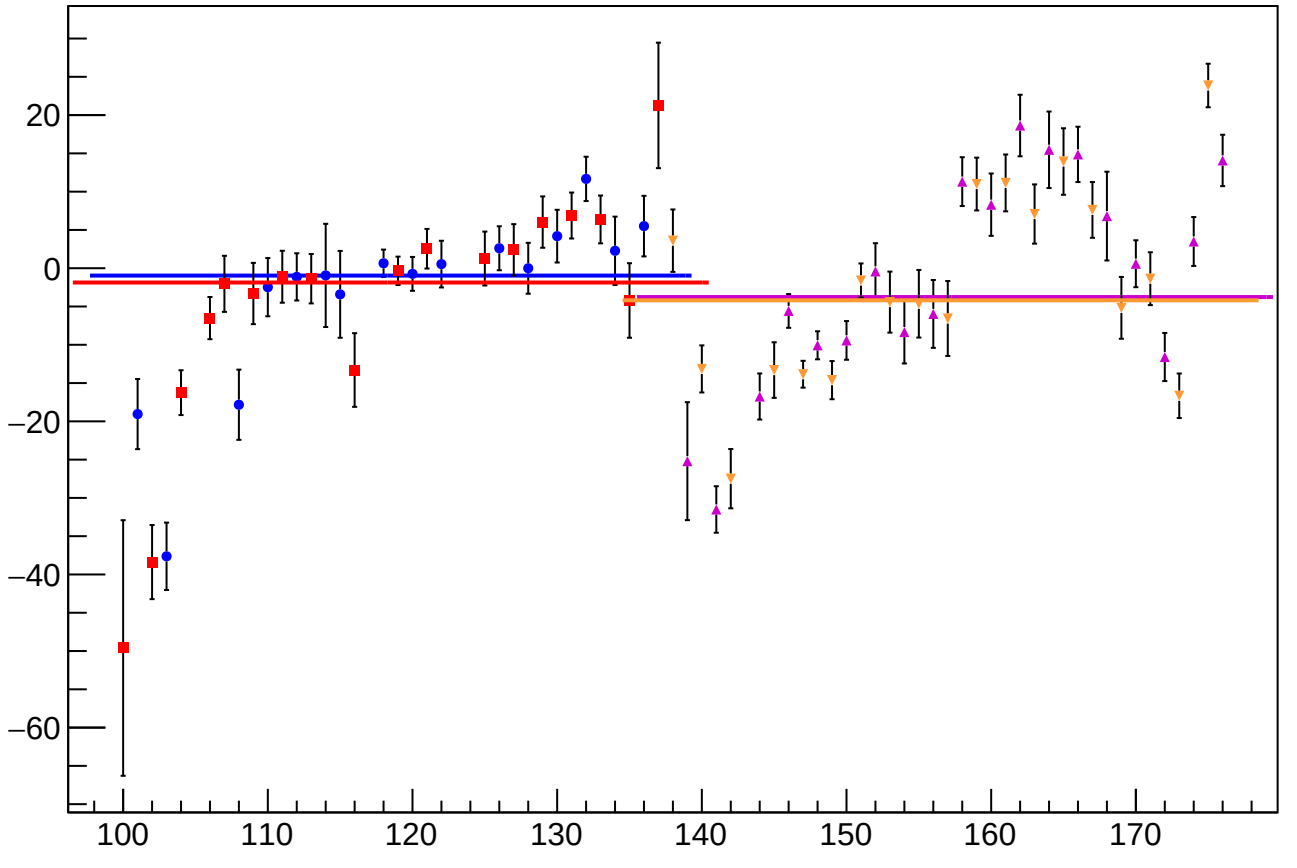
Left: 211.088+/-0.738 χ^2/NDF: 3345.4/37

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 166.265+/-0.626 χ^2/NDF:6571.2/34

Out: 155.745+/-0.601 χ^2/NDF:8912.3/36

All: 160.787+/-0.434 χ^2/NDF: 15630.4/71



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -4.190+/-0.727 χ^2/NDF:293.5/18

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -3.767+/-0.737 χ^2/NDF:278.3/18

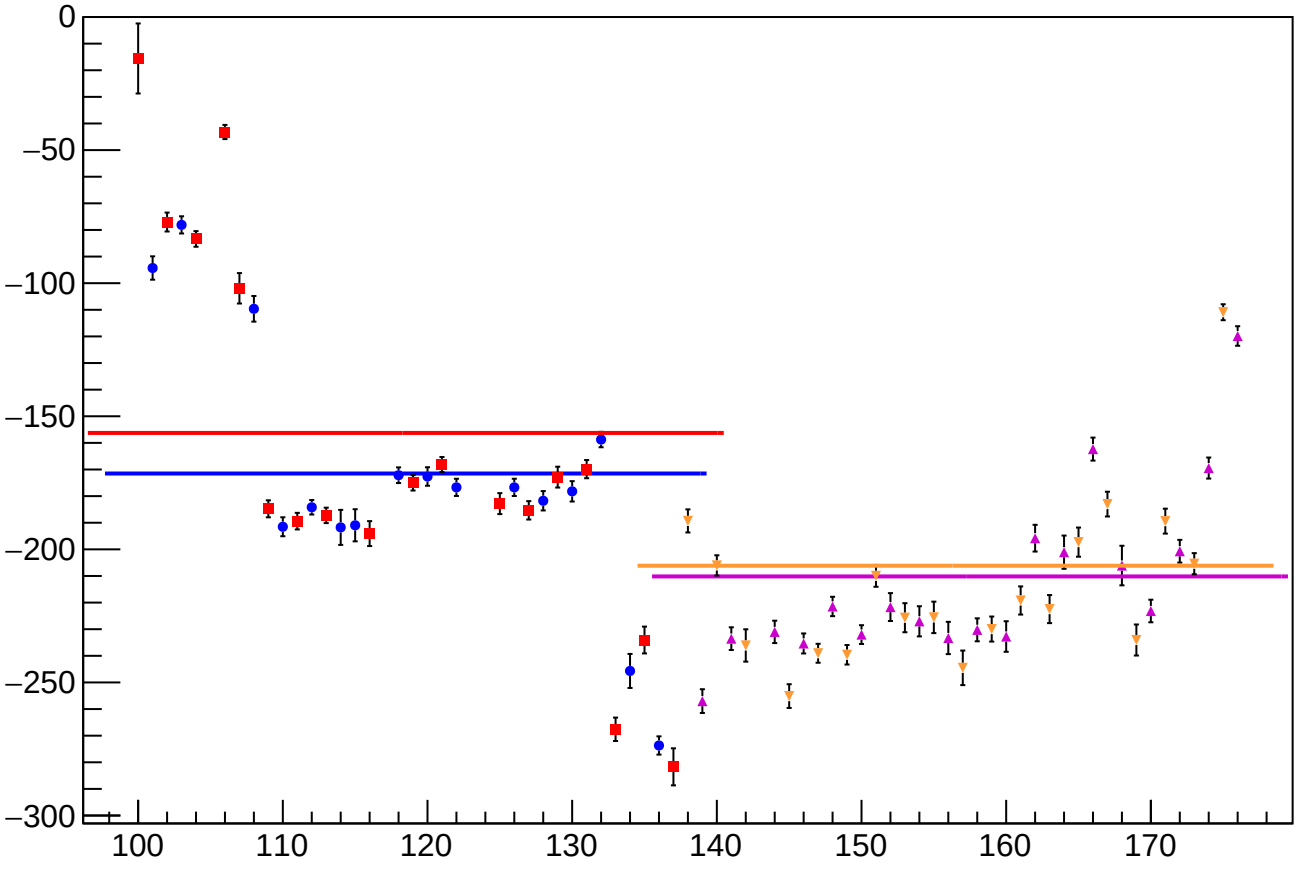
Left: -3.981+/-0.517 χ^2/NDF: 571.9/37

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.495+/-0.544 χ^2/NDF:410.9/34

Out: -3.116+/-0.533 χ^2/NDF:431.4/36

All: -2.812+/-0.381 χ^2/NDF: 843.0/71



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -206.141+/-1.029 χ^2/NDF:1502.0/18

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -210.176+/-1.024 χ^2/NDF:1181.5/18

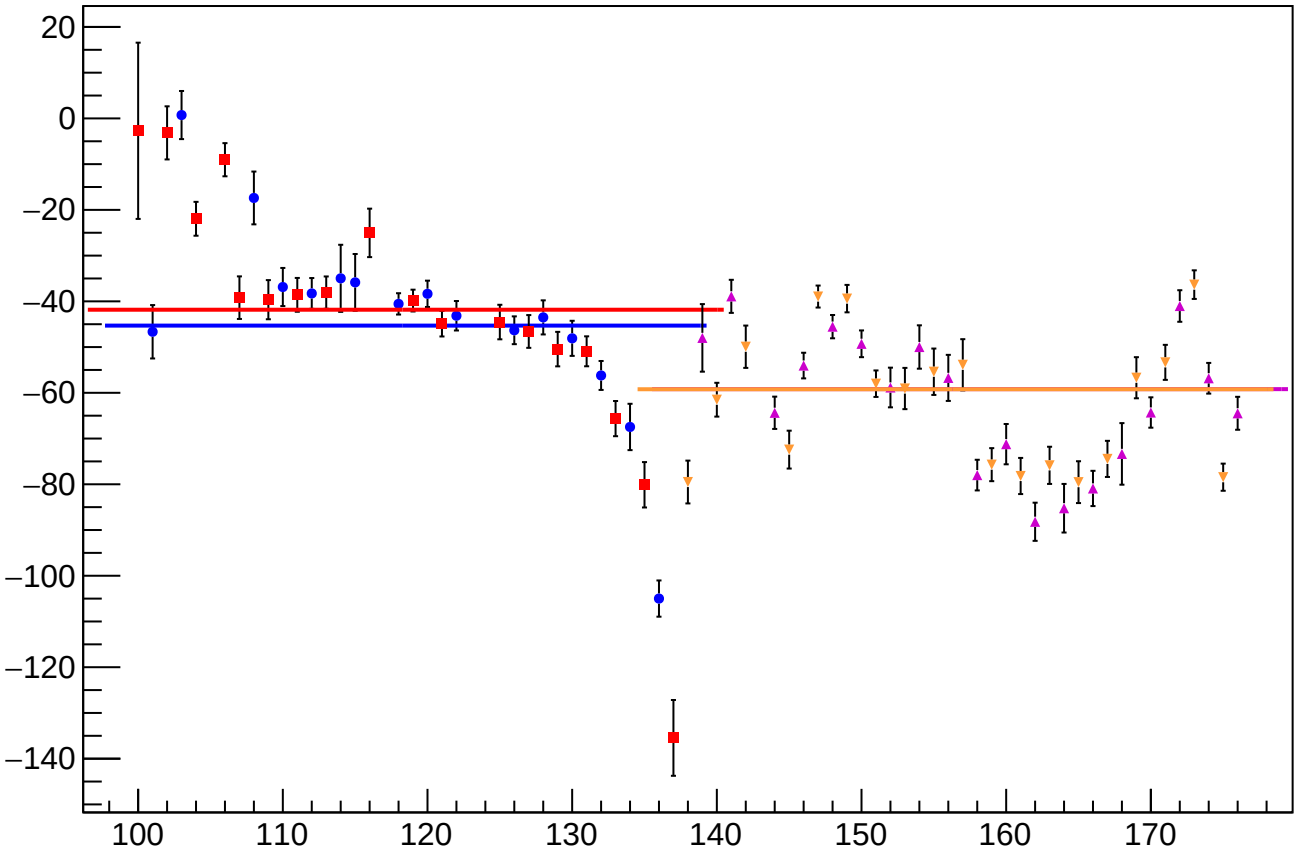
Left: -208.167+/-0.726 χ^2/NDF: 2691.3/37

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -188.494+/-0.679 χ^2/NDF:4423.2/34

Out: -176.416+/-0.654 χ^2/NDF:7806.7/36

All: -182.229+/-0.471 χ^2/NDF: 12394.0/71



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.221+/-0.847 χ^2/NDF:343.1/18

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.197+/-0.853 χ^2/NDF:263.7/18

Left: -59.209+/-0.601 χ^2/NDF: 606.8/37

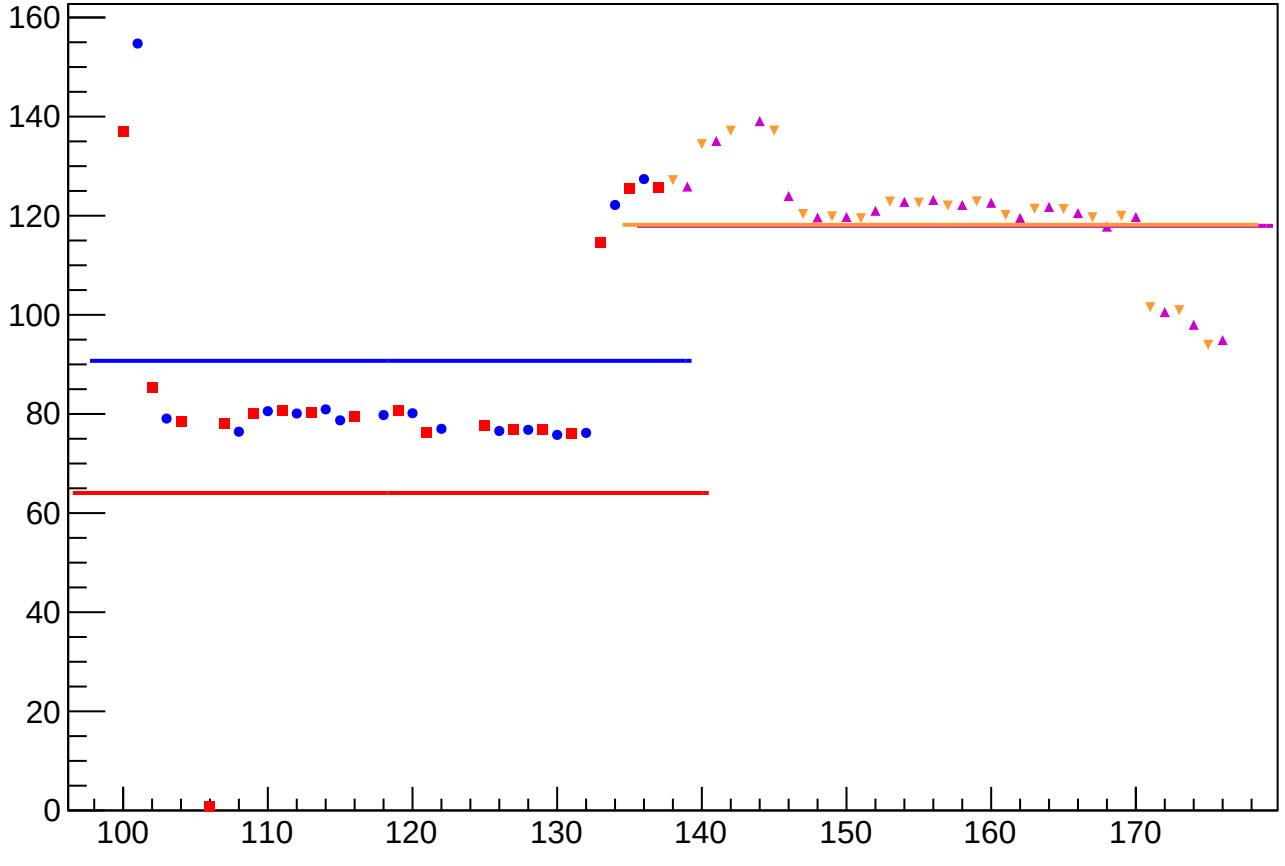
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.904+/-0.631 χ^2/NDF:765.9/34

Out: -51.142+/-0.620 χ^2/NDF:953.1/36

All: -52.007+/-0.442 χ^2/NDF: 1723.0/71

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: 118.173+/-0.040 χ^2/NDF:89378.6/18

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 117.952+/-0.039 χ^2/NDF:86796.3/18

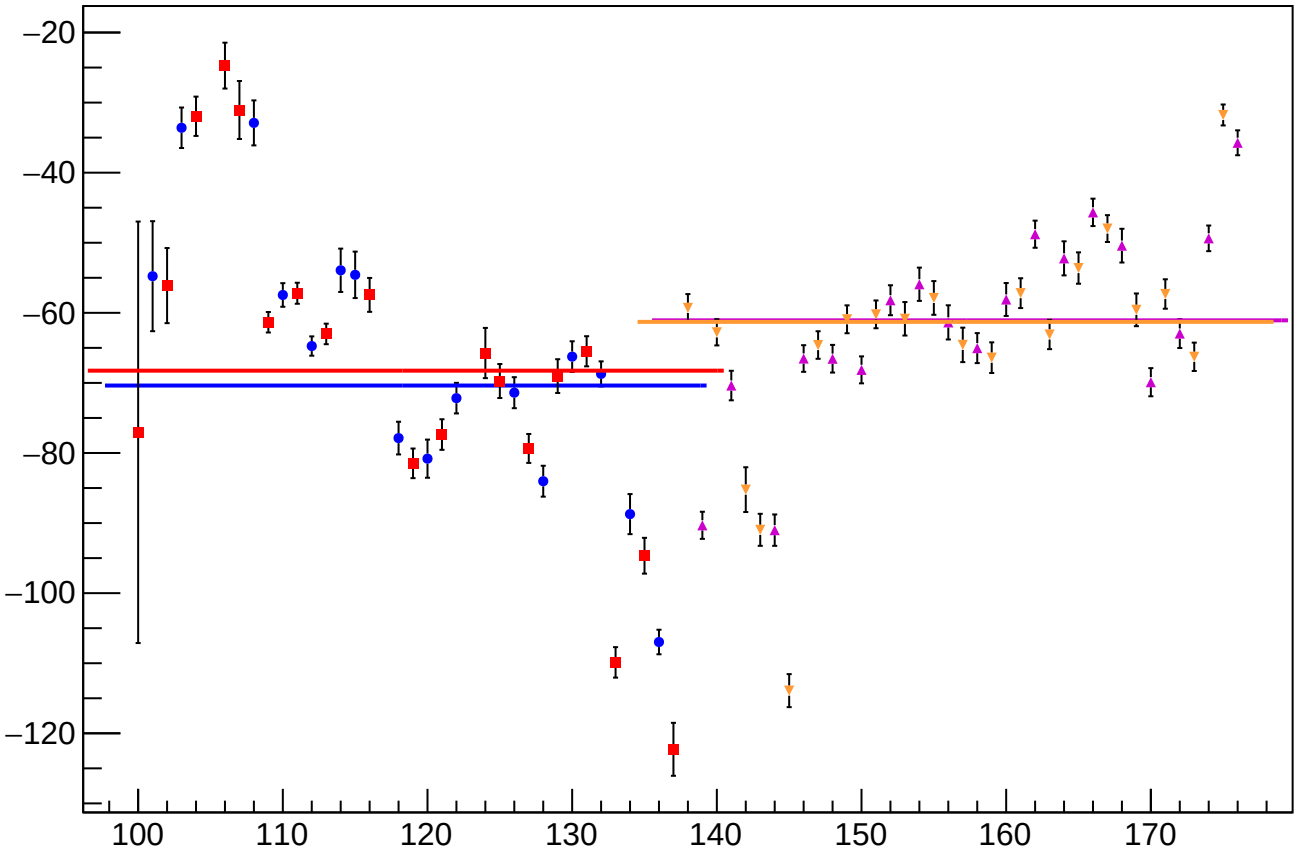
Left: 118.060+/-0.028 χ^2/NDF: 176190.7/37

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 109.630+/-0.032 χ^2/NDF:398429.2/34

Out: 96.801+/-0.031 χ^2/NDF:1479434.3/36

All: 102.941+/-0.022 χ^2/NDF: 1959934.0/71



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -61.290+/-0.470 χ^2/NDF:1202.6/19

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -61.071+/-0.475 χ^2/NDF:867.2/18

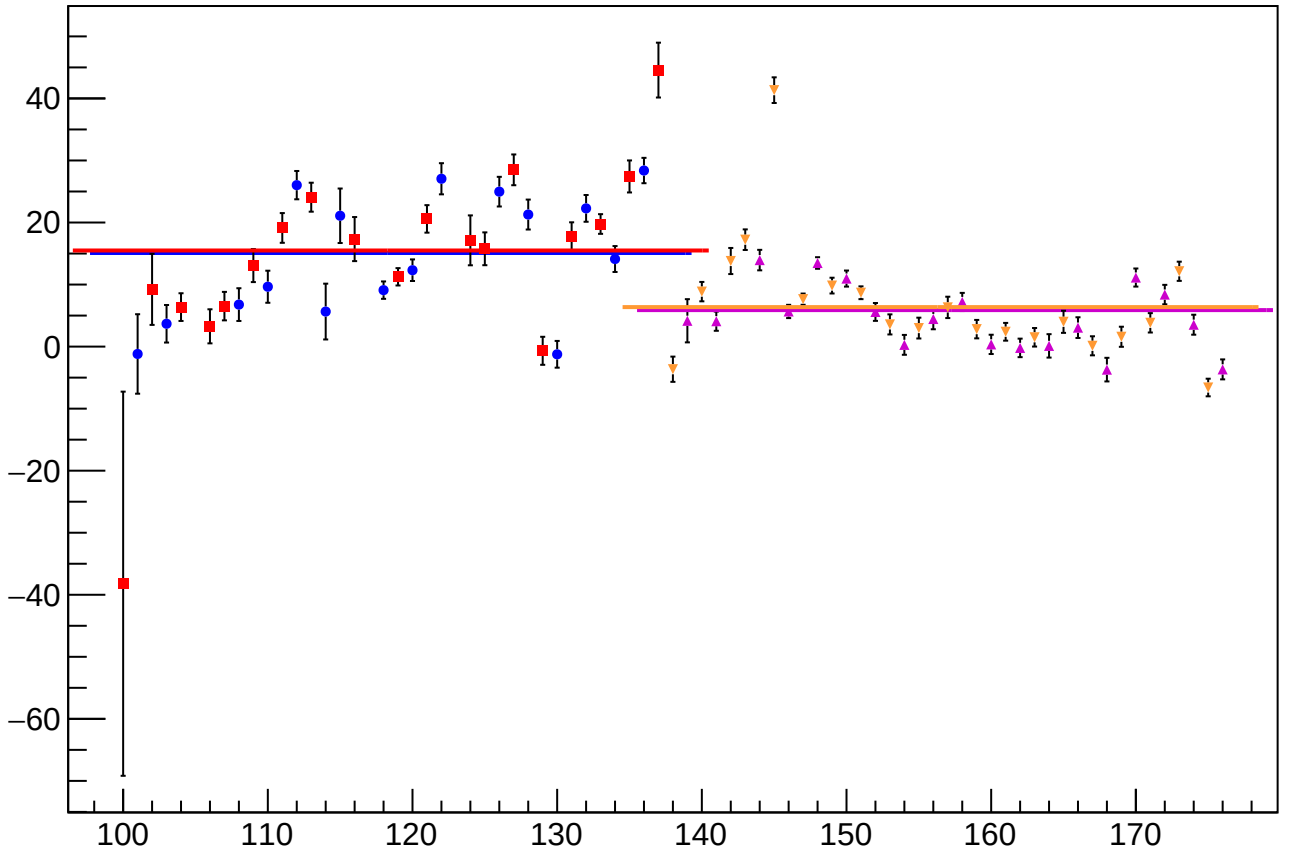
Left: -61.182+/-0.334 χ^2/NDF: 2069.9/38

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -64.985+/-0.362 χ^2/NDF:2003.3/34

Out: -64.377+/-0.351 χ^2/NDF:2605.9/38

All: -64.671+/-0.252 χ^2/NDF: 4610.6/73



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.366+/-0.330 χ^2/NDF:540.2/19

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 5.883+/-0.341 χ^2/NDF:240.8/18

Left: 6.132+/-0.237 χ^2/NDF: 782.0/38

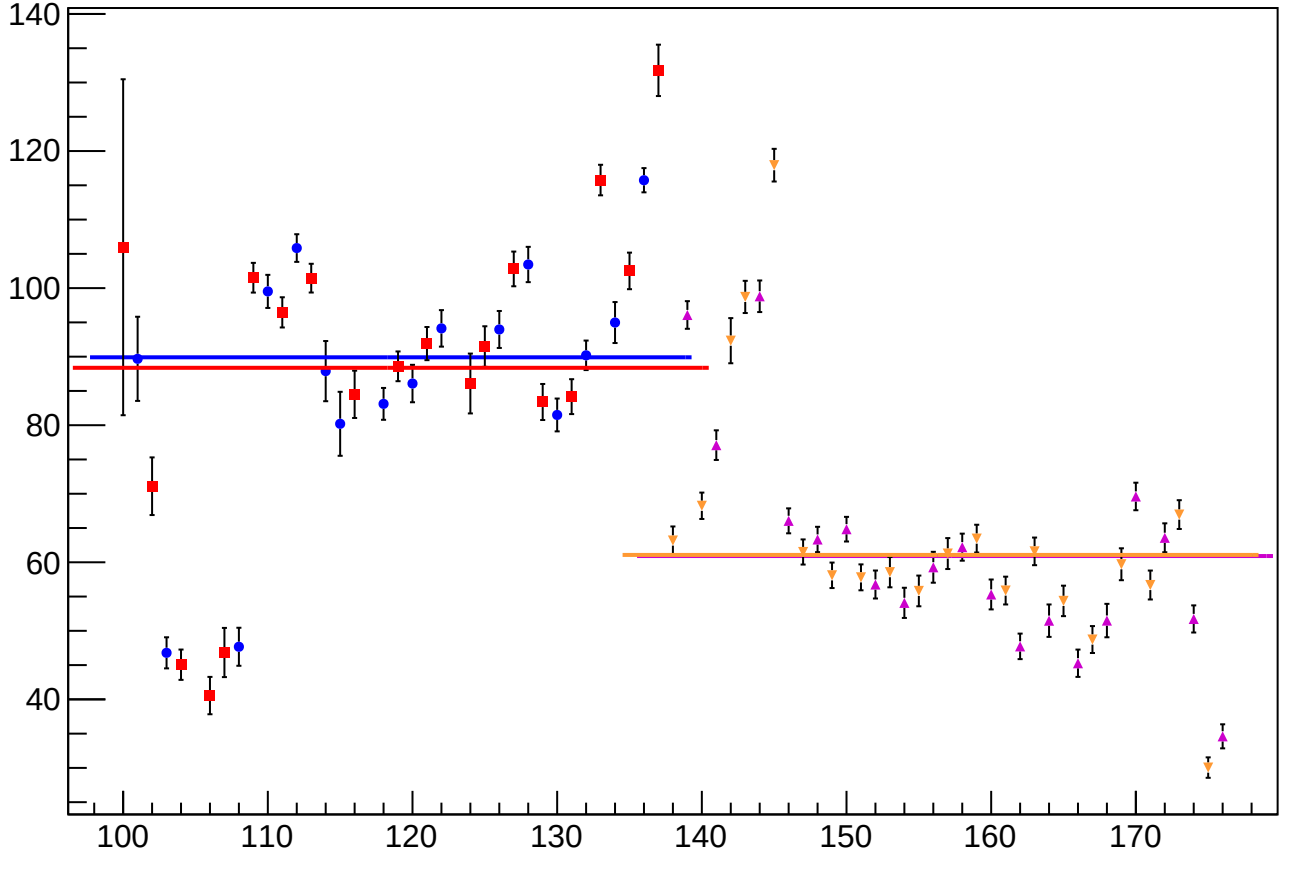
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.238+/-0.294 χ^2/NDF:670.3/34

Out: 8.733+/-0.284 χ^2/NDF:977.4/38

All: 8.494+/-0.204 χ^2/NDF: 1649.1/73

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: 61.074+/-0.461 χ^2/NDF:1445.7/19

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 60.911+/-0.466 χ^2/NDF:1075.1/18

Left: 60.993+/-0.328 χ^2/NDF: 2520.9/38

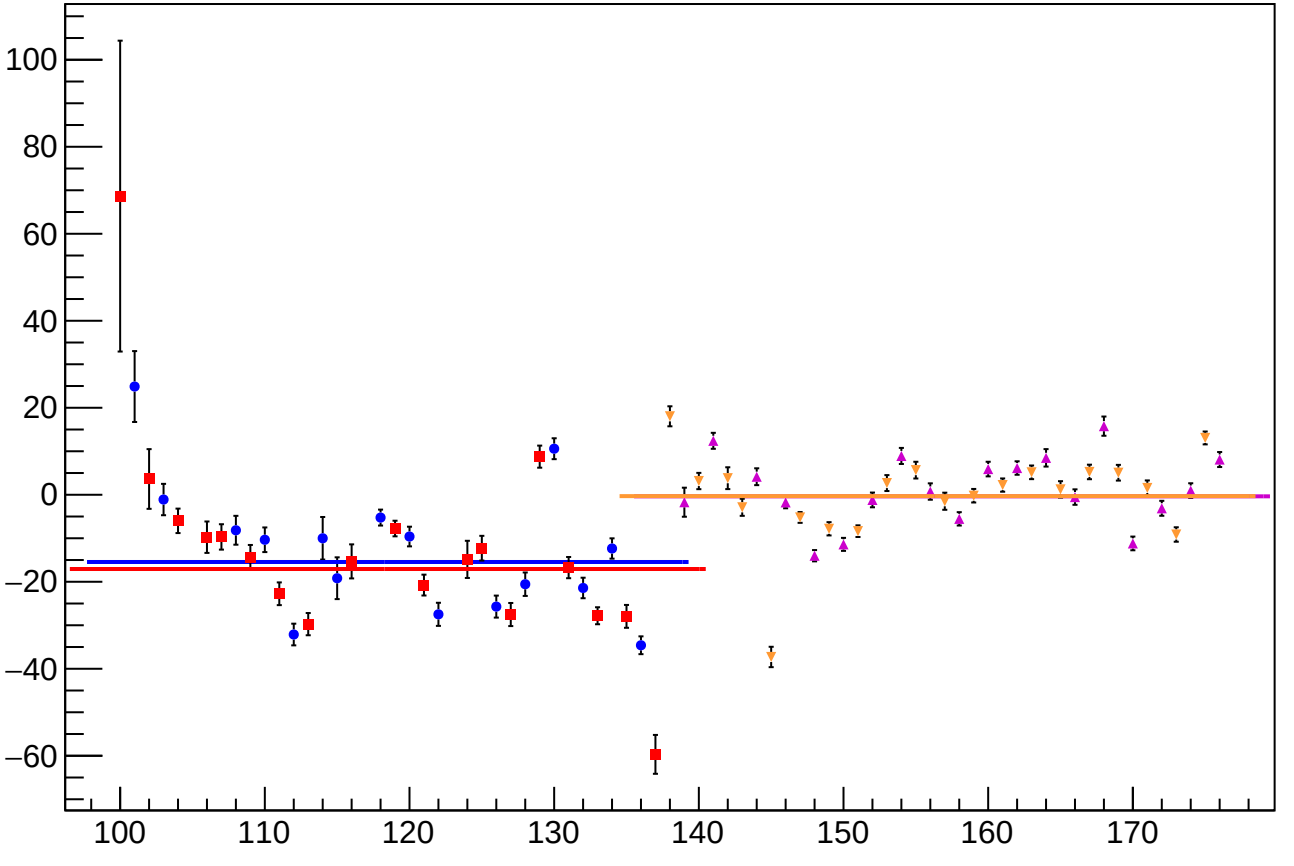
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 70.949+/-0.377 χ^2/NDF:3362.0/34

Out: 70.848+/-0.369 χ^2/NDF:3989.9/38

All: 70.897+/-0.264 χ^2/NDF: 7351.8/73

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.314+/-0.381 χ^2/NDF:556.0/19

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.360+/-0.391 χ^2/NDF:436.1/18

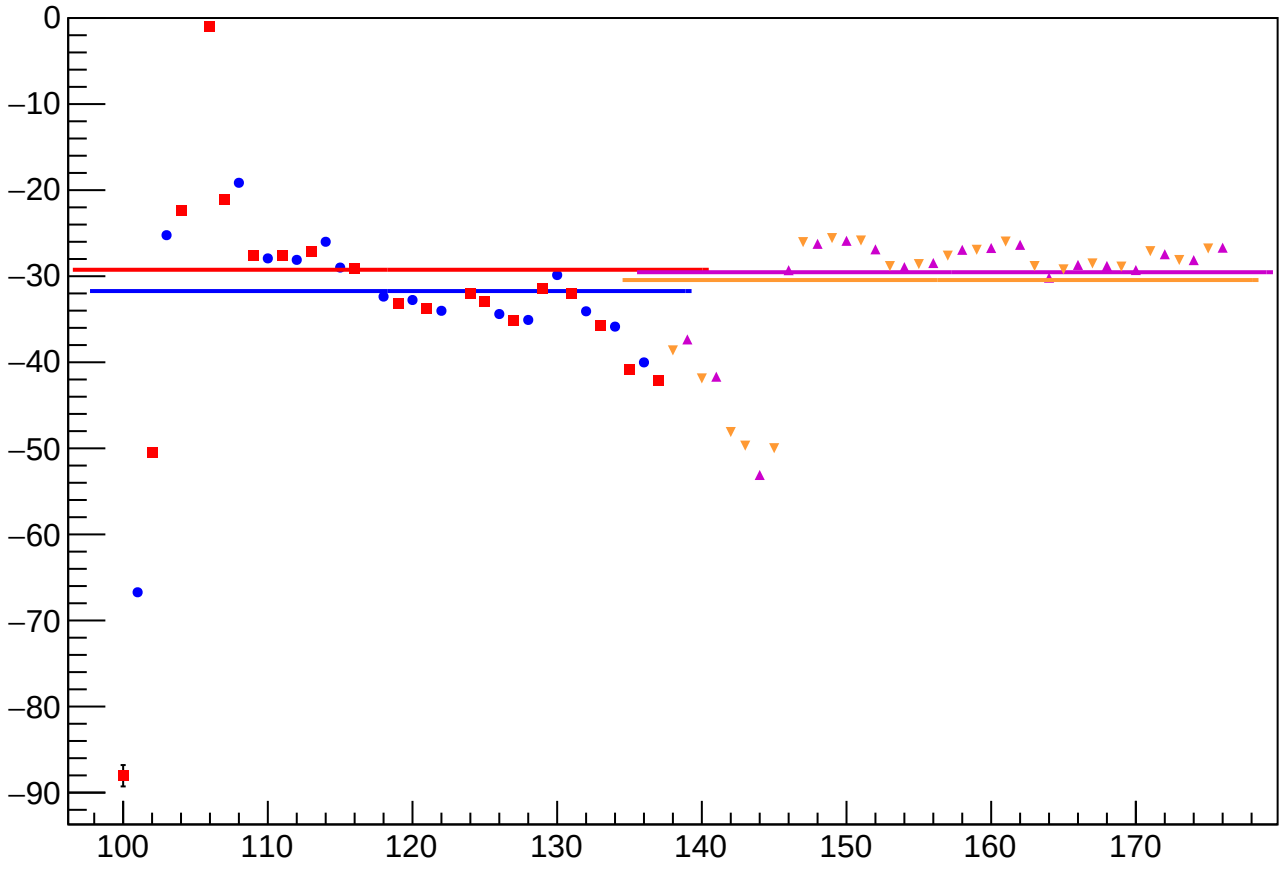
Left: -0.336+/-0.273 χ^2/NDF: 992.1/38

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.230+/-0.337 χ^2/NDF:1205.2/34

Out: -4.661+/-0.328 χ^2/NDF:1418.6/38

All: -4.451+/-0.235 χ^2/NDF: 2624.7/73



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.445+/-0.018 χ^2/NDF:154721.0/19

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.535+/-0.017 χ^2/NDF:96748.1/18

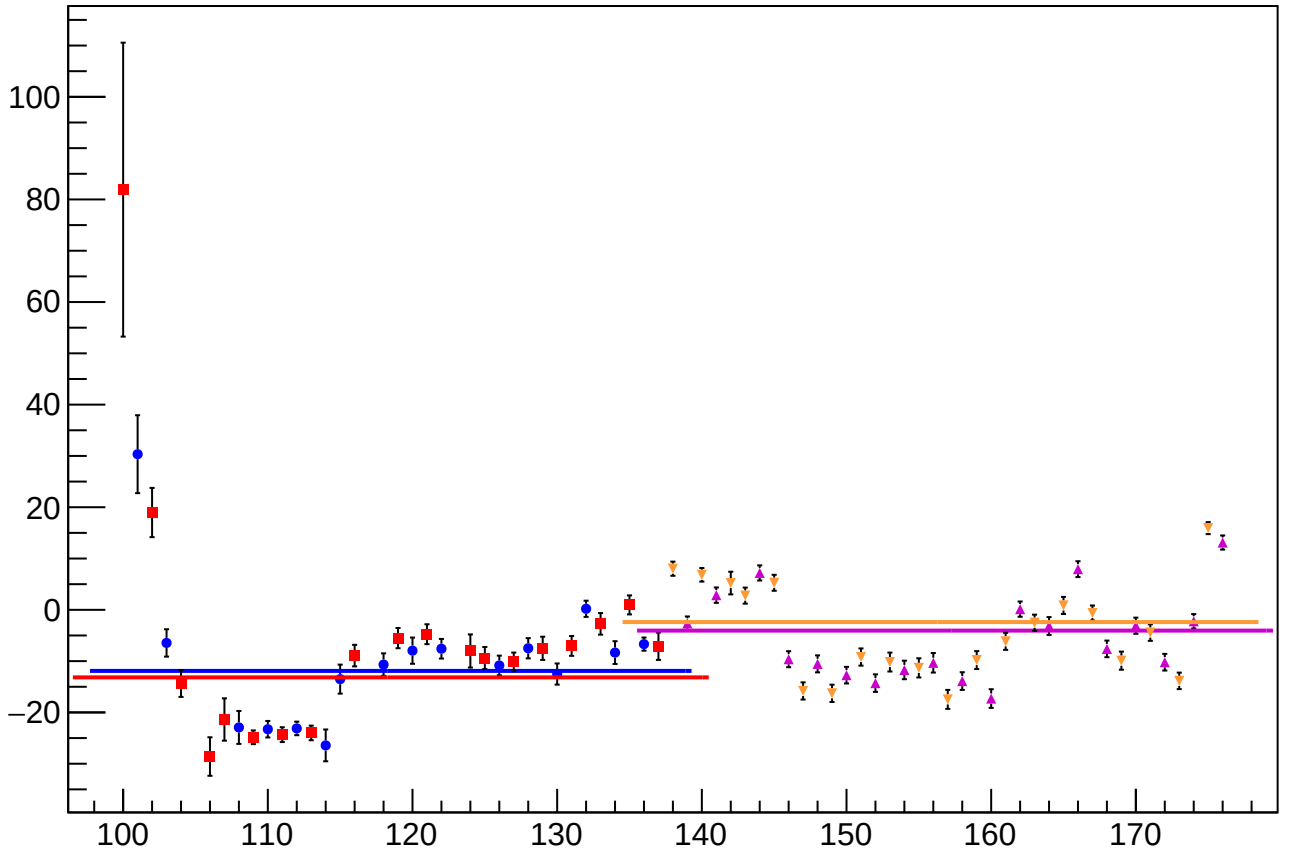
Left: -29.987+/-0.012 χ^2/NDF: 252829.4/38

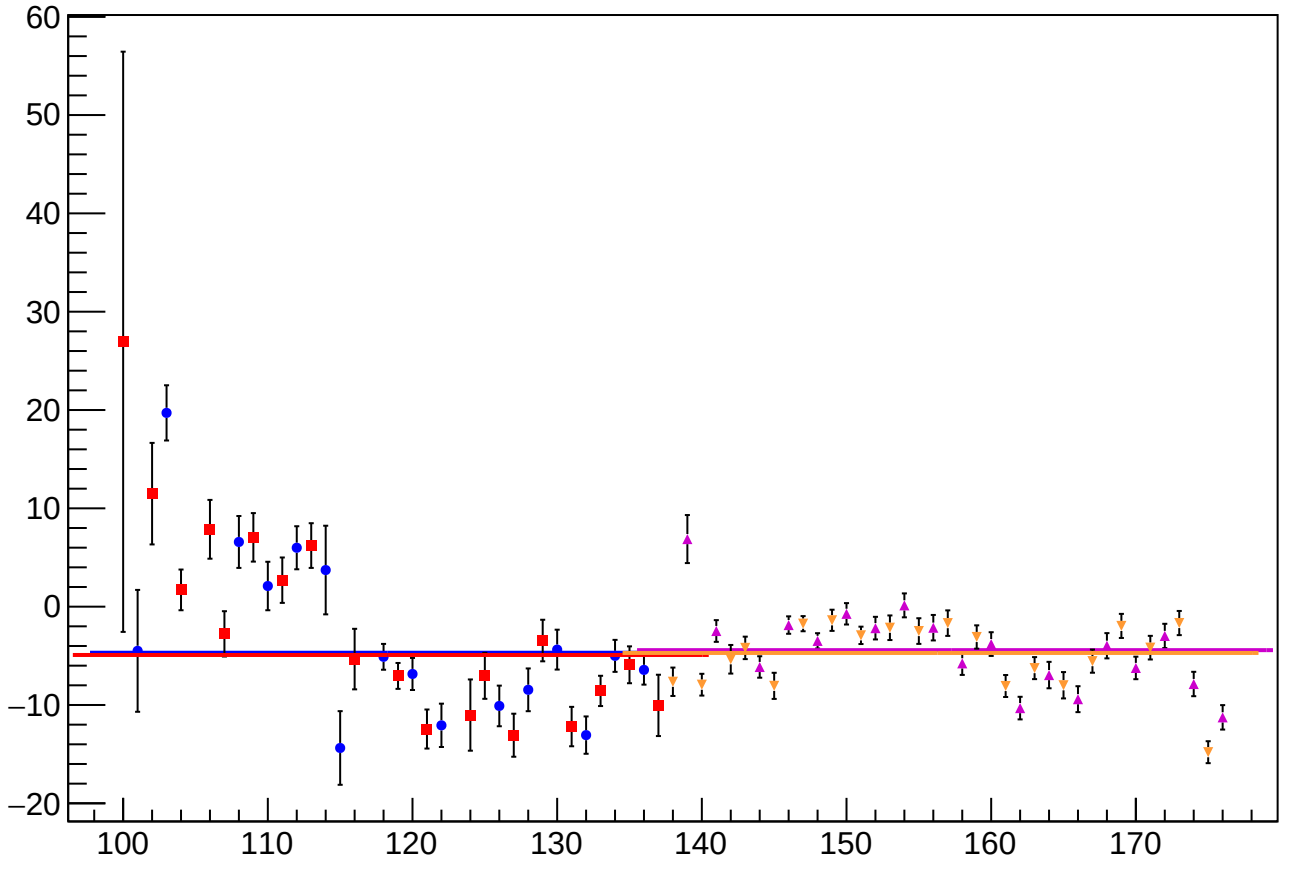
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.906+/-0.016 χ^2/NDF:139069.5/34

Out: -30.240+/-0.016 χ^2/NDF:250757.6/38

All: -30.072+/-0.011 χ^2/NDF: 390048.2/73


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: -2.389+/-0.358 χ²/NDF:750.3/19
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -4.050+/-0.364 χ²/NDF:532.4/18
Left: -3.207+/-0.255 χ²/NDF: 1293.3/38
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -6.791+/-0.293 χ²/NDF:977.4/34
Out: -6.244+/-0.287 χ²/NDF:1495.6/38
All: -6.512+/-0.205 χ²/NDF: 2474.8/73



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.708+/-0.257 χ^2/NDF:173.0/19

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -4.423+/-0.265 χ^2/NDF:156.8/18

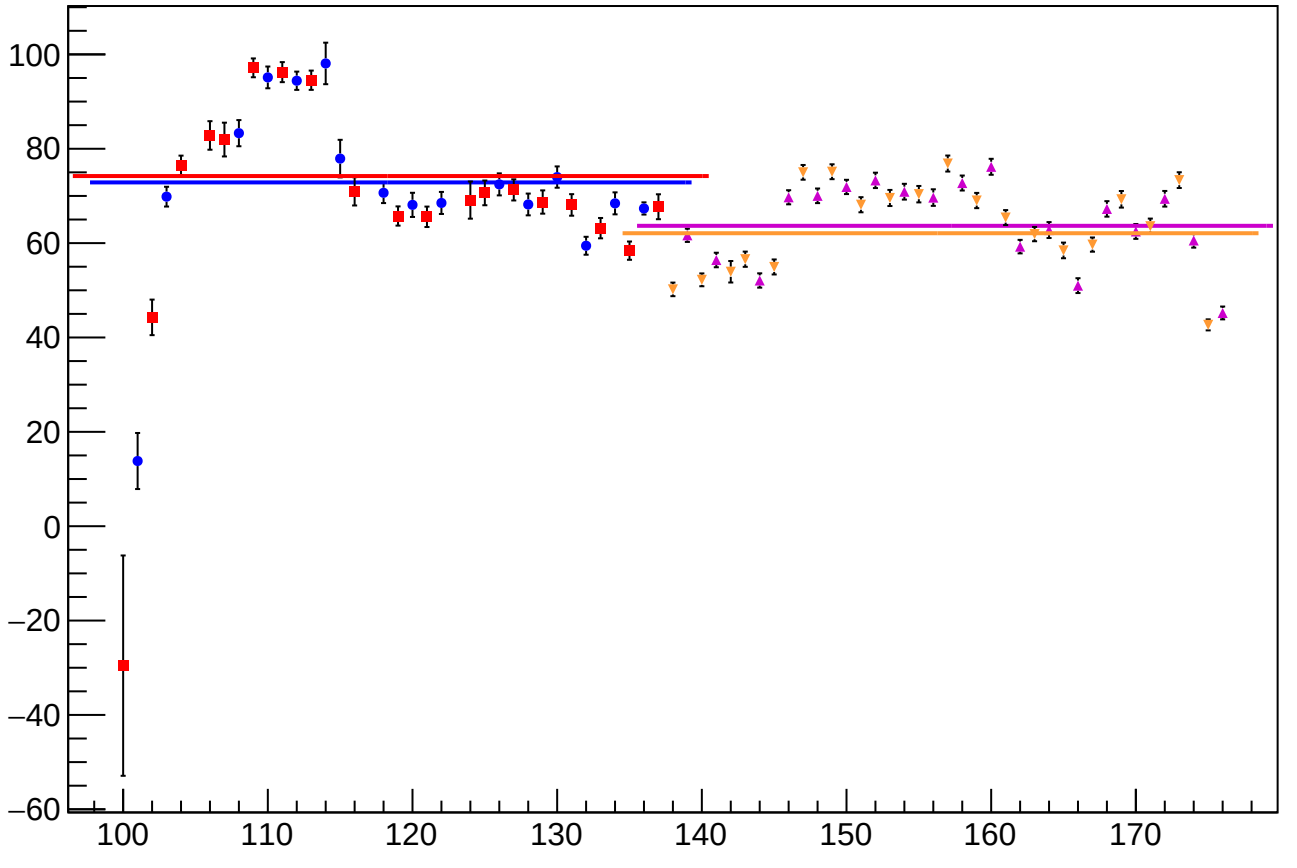
Left: -4.570+/-0.184 χ^2/NDF: 330.3/38

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.478+/-0.236 χ^2/NDF:336.0/34

Out: -4.749+/-0.230 χ^2/NDF:329.0/38

All: -4.617+/-0.165 χ^2/NDF: 665.7/73



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.097+/-0.353 χ^2/NDF:802.2/19

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 63.668+/-0.358 χ^2/NDF:578.1/18

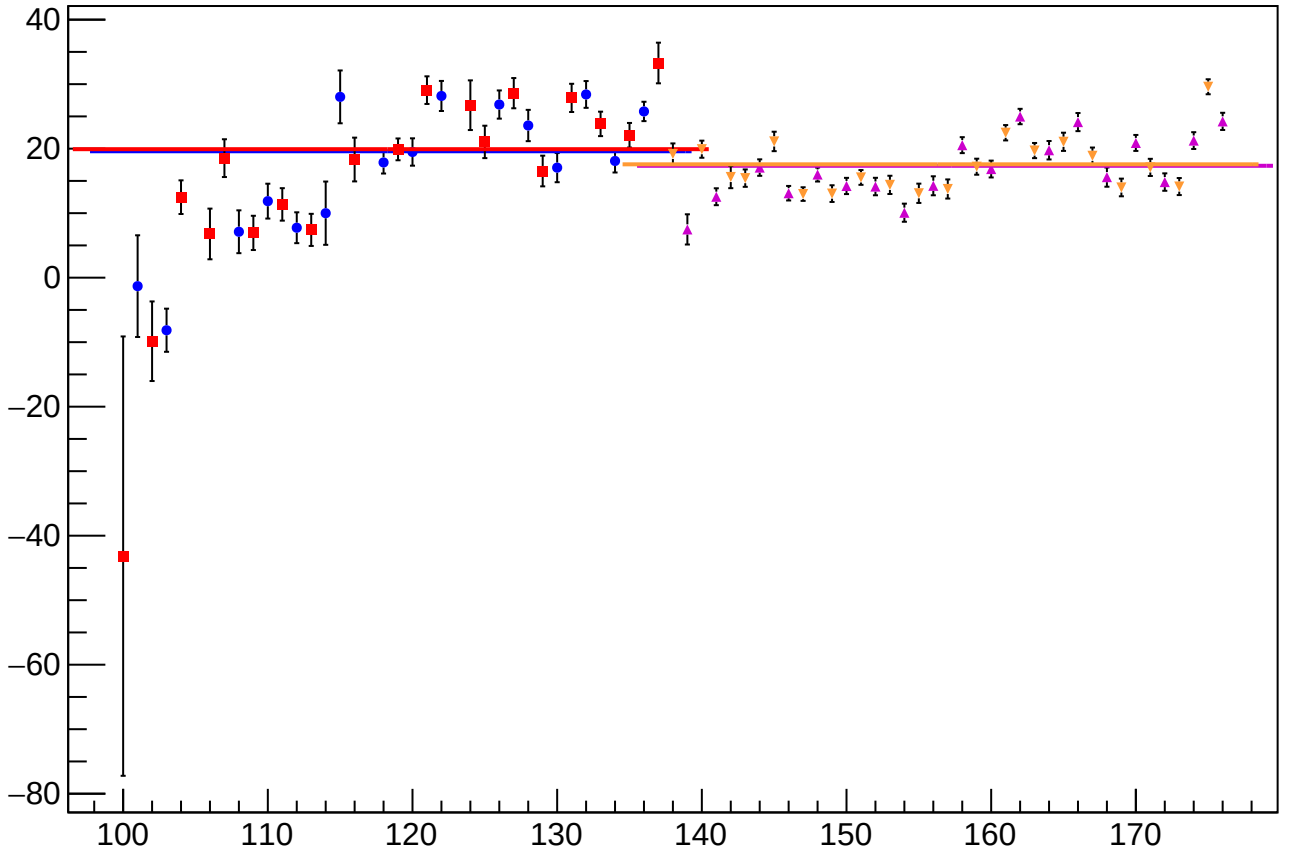
Left: 62.872+/-0.251 χ^2/NDF: 1390.1/38

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 66.299+/-0.302 χ^2/NDF:1217.7/34

Out: 65.522+/-0.299 χ^2/NDF:1721.8/38

All: 65.906+/-0.213 χ^2/NDF: 2942.9/73



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.571+/-0.295 χ^2/NDF:217.0/19

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 17.344+/-0.303 χ^2/NDF:212.9/18

Left: 17.461+/-0.211 χ^2/NDF: 430.2/38

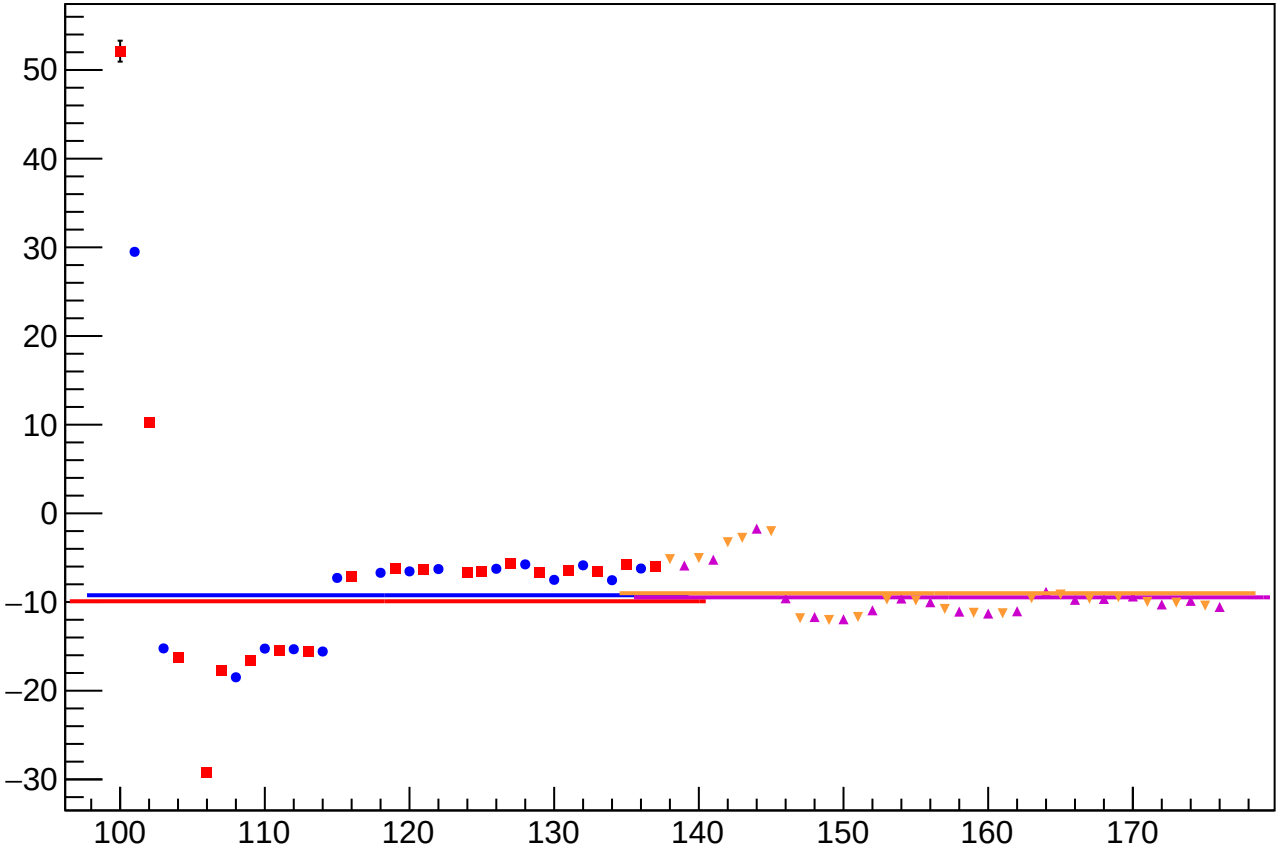
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.820+/-0.269 χ^2/NDF:420.6/34

Out: 18.046+/-0.263 χ^2/NDF:411.2/38

All: 17.935+/-0.188 χ^2/NDF: 832.1/73

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: -9.005+/-0.013 χ^2/NDF:45635.4/19

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.470+/-0.013 χ^2/NDF:29732.6/18

Left: -9.239+/-0.009 χ^2/NDF: 75975.4/38

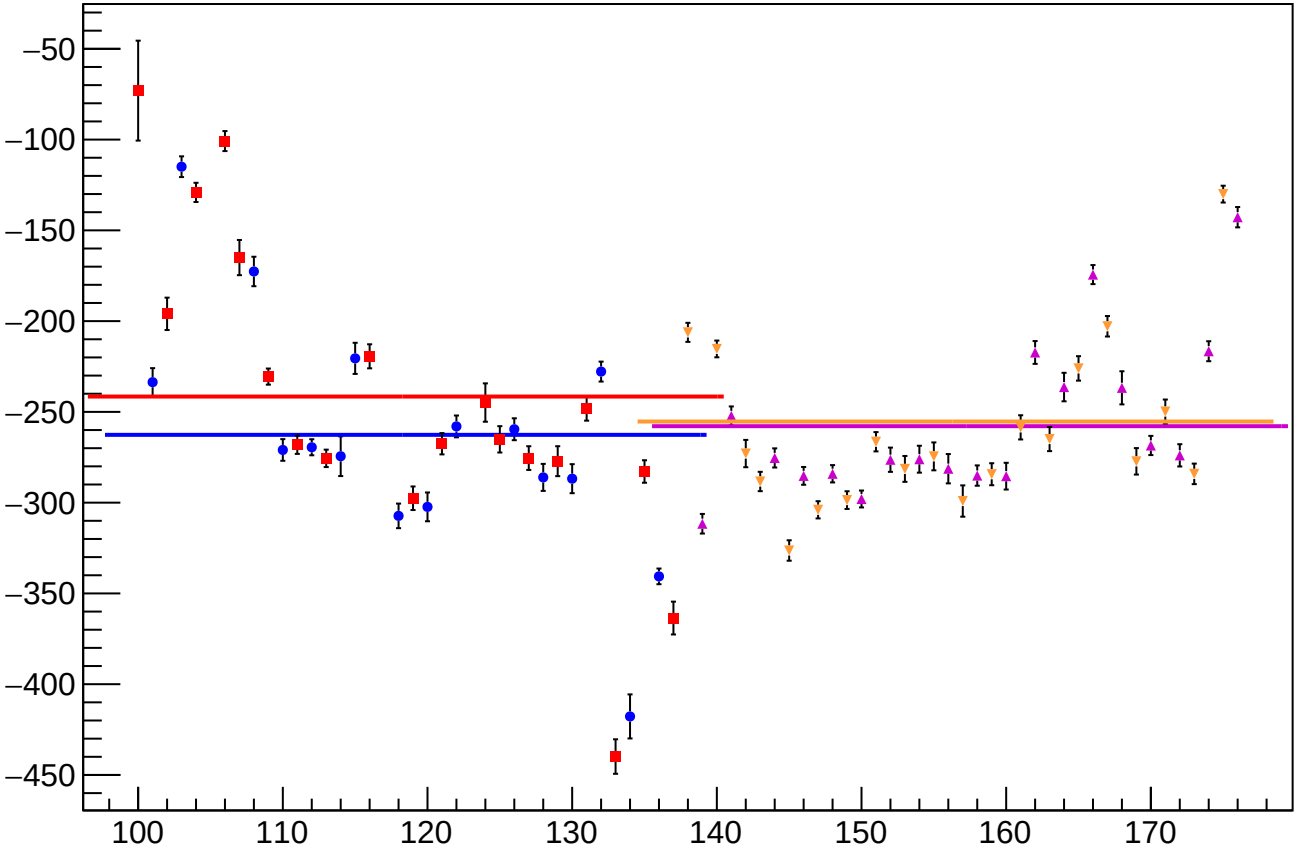
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.437+/-0.012 χ^2/NDF:60935.9/34

Out: -9.124+/-0.012 χ^2/NDF:100102.7/38

All: -9.282+/-0.009 χ^2/NDF: 161356.5/73

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: -255.300+/-1.307 χ^2/NDF:1497.4/19

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -257.881+/-1.334 χ^2/NDF:1103.3/18

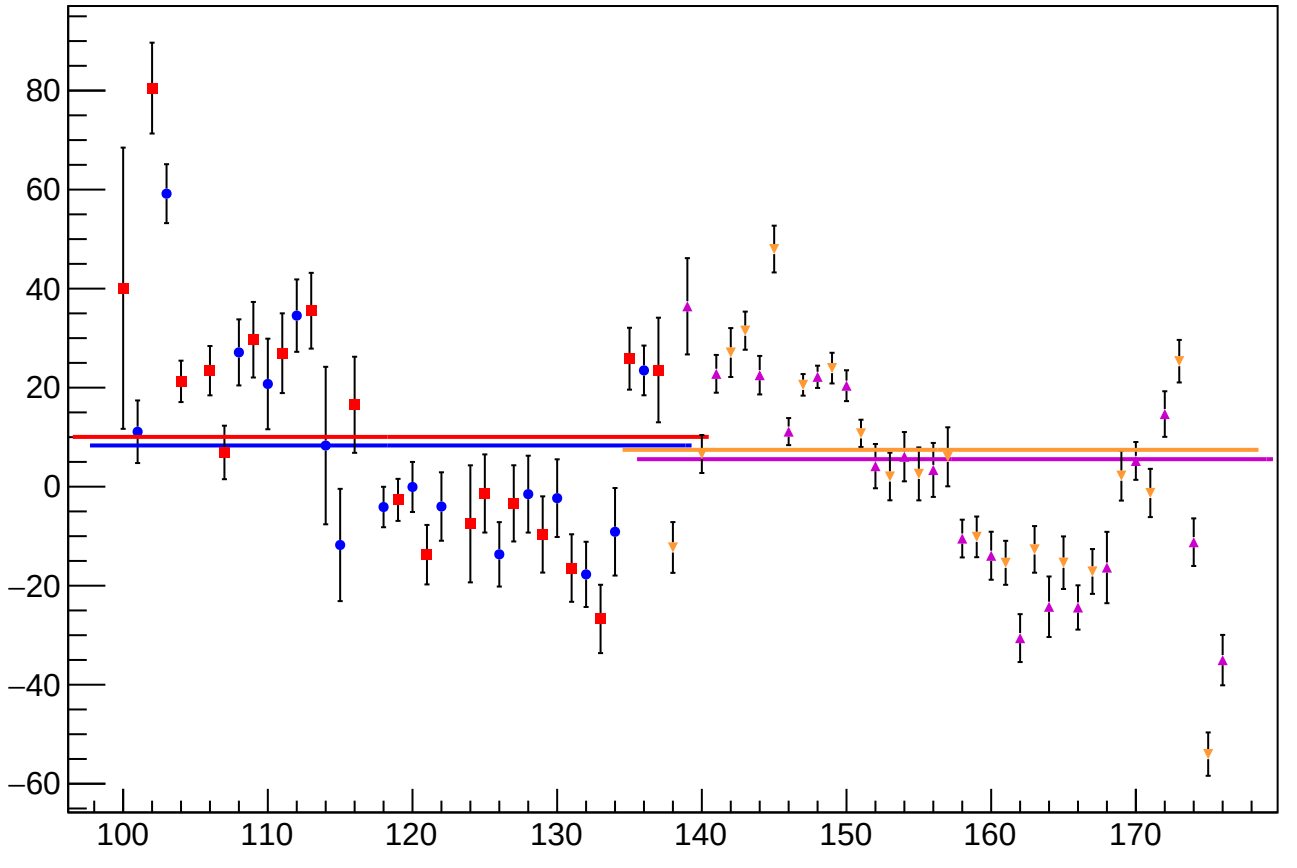
Left: -256.564+/-0.934 χ^2/NDF: 2602.6/38

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -259.814+/-1.028 χ^2/NDF:2562.7/34

Out: -249.391+/-0.987 χ^2/NDF:3683.5/38

All: -254.391+/-0.712 χ^2/NDF: 6299.7/73



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.441+/-0.898 χ^2/NDF:541.1/19

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 5.552+/-0.932 χ^2/NDF:378.6/18

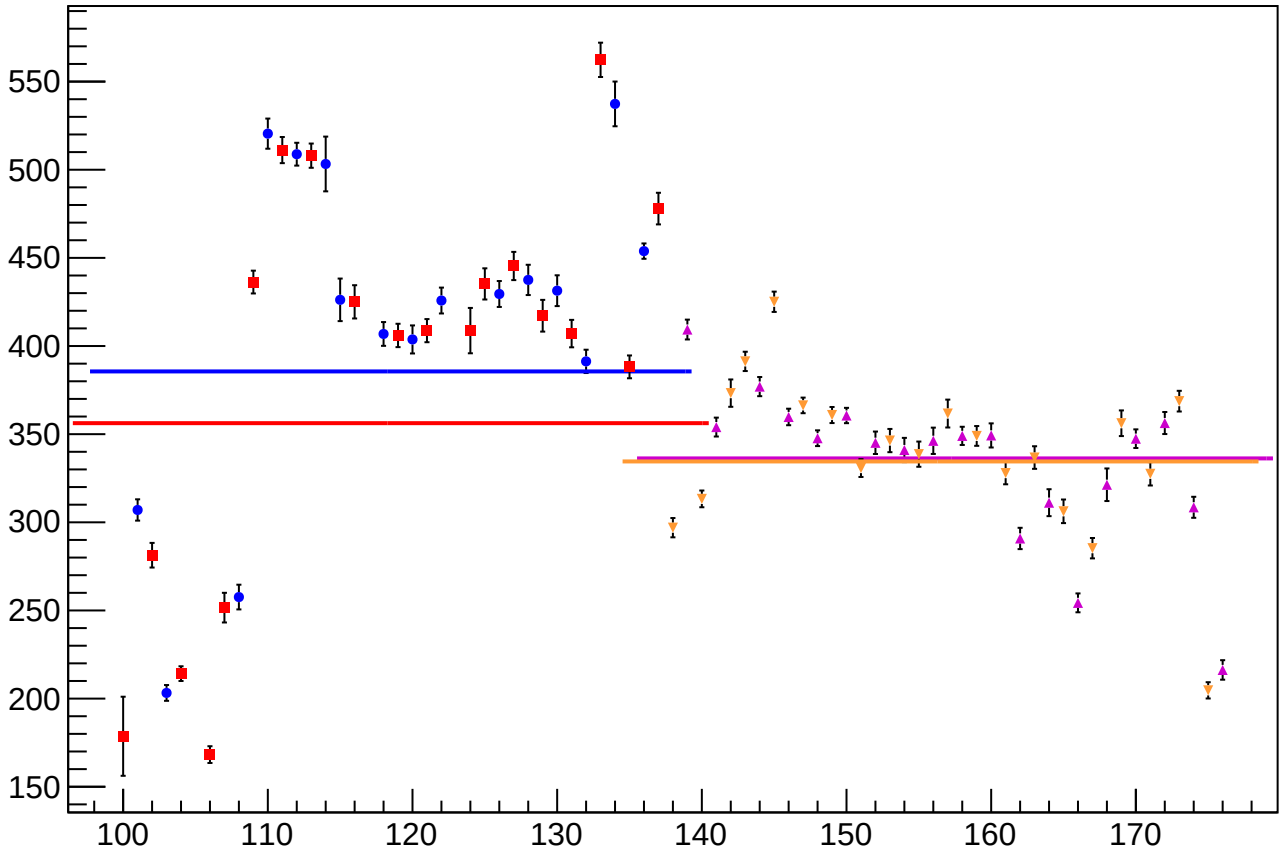
Left: 6.531+/-0.647 χ^2/NDF: 921.9/38

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

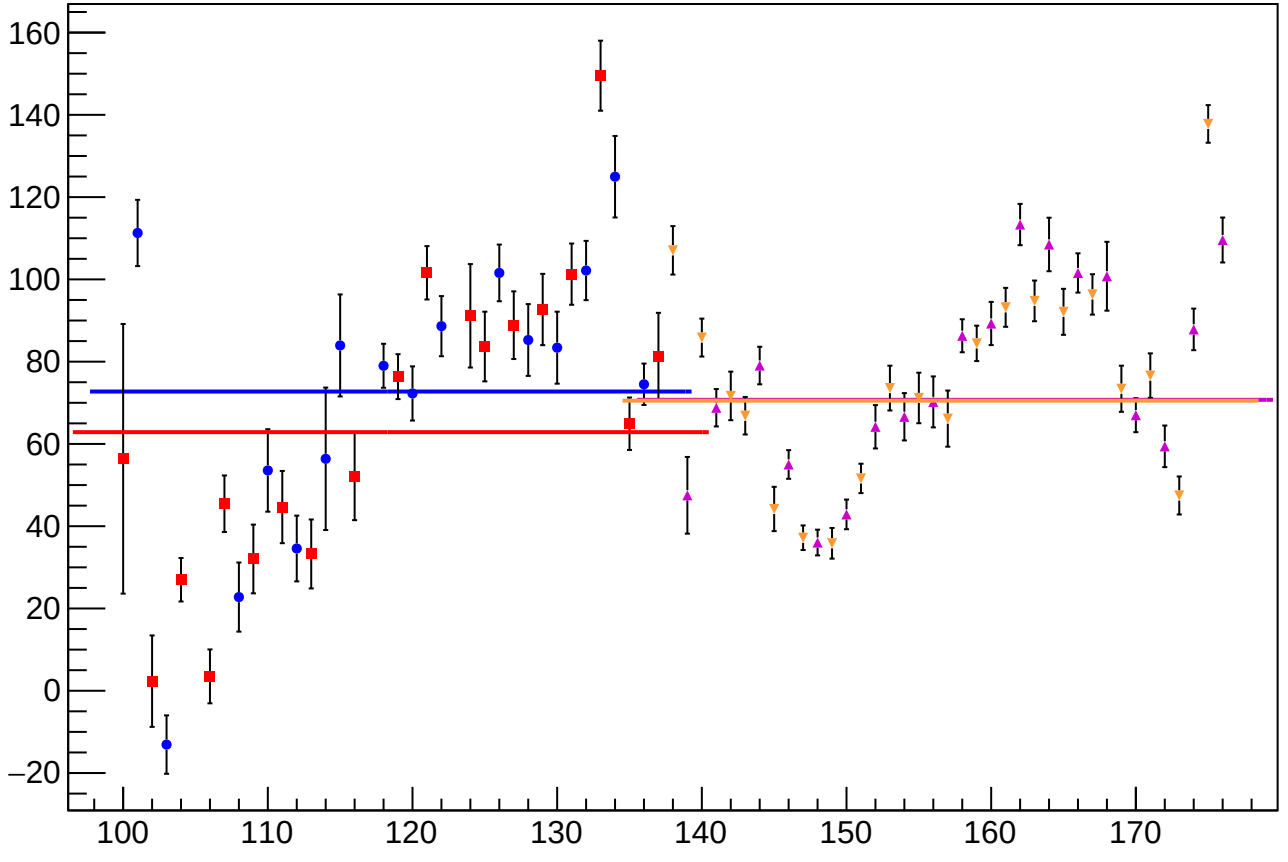
In: 6.225+/-0.811 χ^2/NDF:538.4/34

Out: 8.105+/-0.776 χ^2/NDF:730.7/38

All: 7.206+/-0.560 χ^2/NDF: 1272.0/73


reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
550
500
450
400
350
300
250
200
150
100
110
120
130
140
150
160
170
Right In: 385.590+/-1.742 χ²/NDF: 3373.1/15
Left Out: 334.532+/-1.285 χ²/NDF:1480.6/19
Right Out: 356.245+/-1.647 χ²/NDF: 5270.3/18
Left In: 336.248+/-1.308 χ²/NDF:1124.1/18
Left: 335.375+/-0.916 χ²/NDF: 2605.6/38
Right: 370.089+/-1.197 χ²/NDF: 8793.2/34
In: 354.026+/-1.046 χ²/NDF:5010.3/34
Out: 342.749+/-1.013 χ²/NDF:6859.0/38
All: 348.207+/-0.728 χ²/NDF: 11929.2/73

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: 70.519+/-1.051 χ^2/NDF:656.2/19

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 70.728+/-1.083 χ^2/NDF:470.8/18

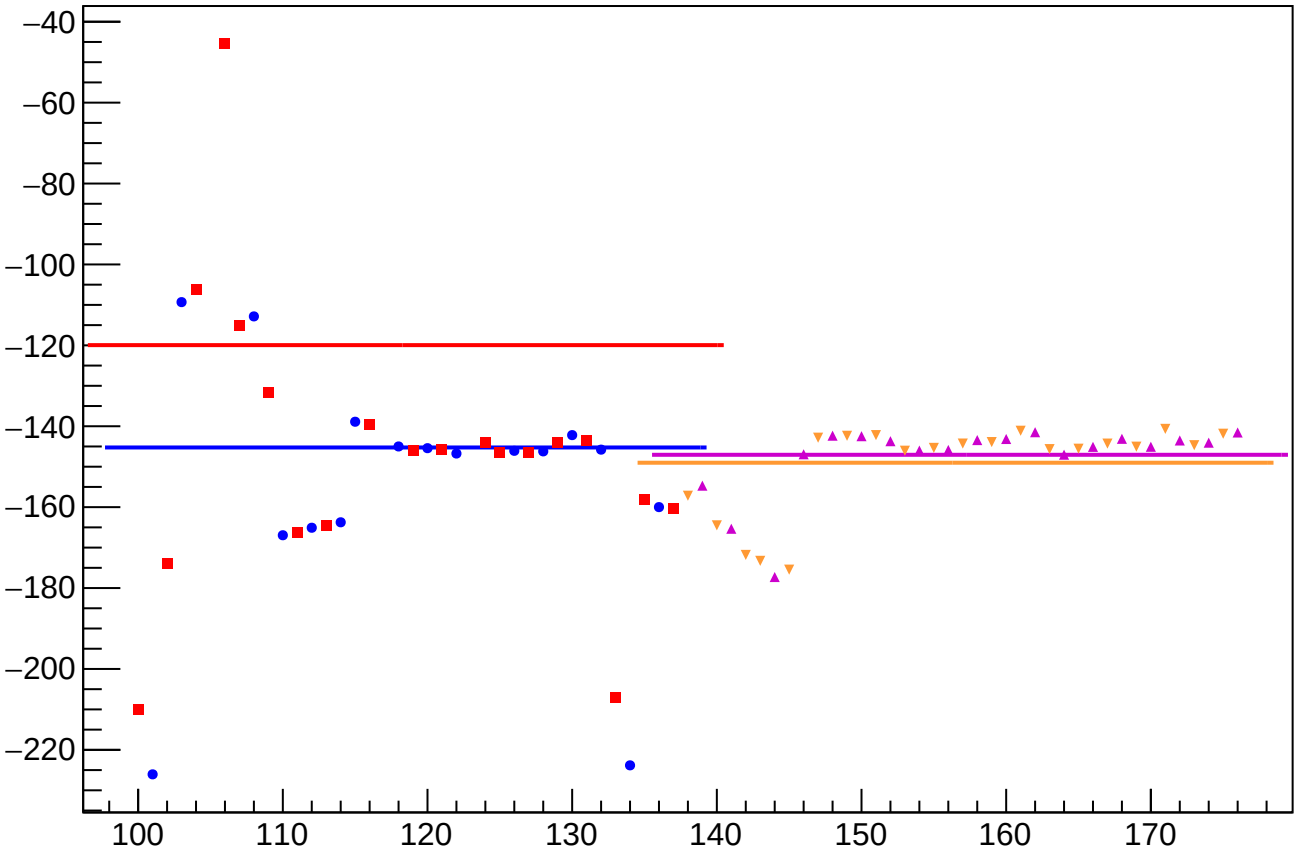
Left: 70.620+/-0.754 χ^2/NDF: 1126.9/38

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 71.223+/-0.941 χ^2/NDF:775.9/34

Out: 68.562+/-0.907 χ^2/NDF:1073.3/38

All: 69.844+/-0.653 χ^2/NDF: 1853.4/73



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.019+/-0.050 χ^2/NDF:46684.9/19

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.058+/-0.050 χ^2/NDF:28082.0/18

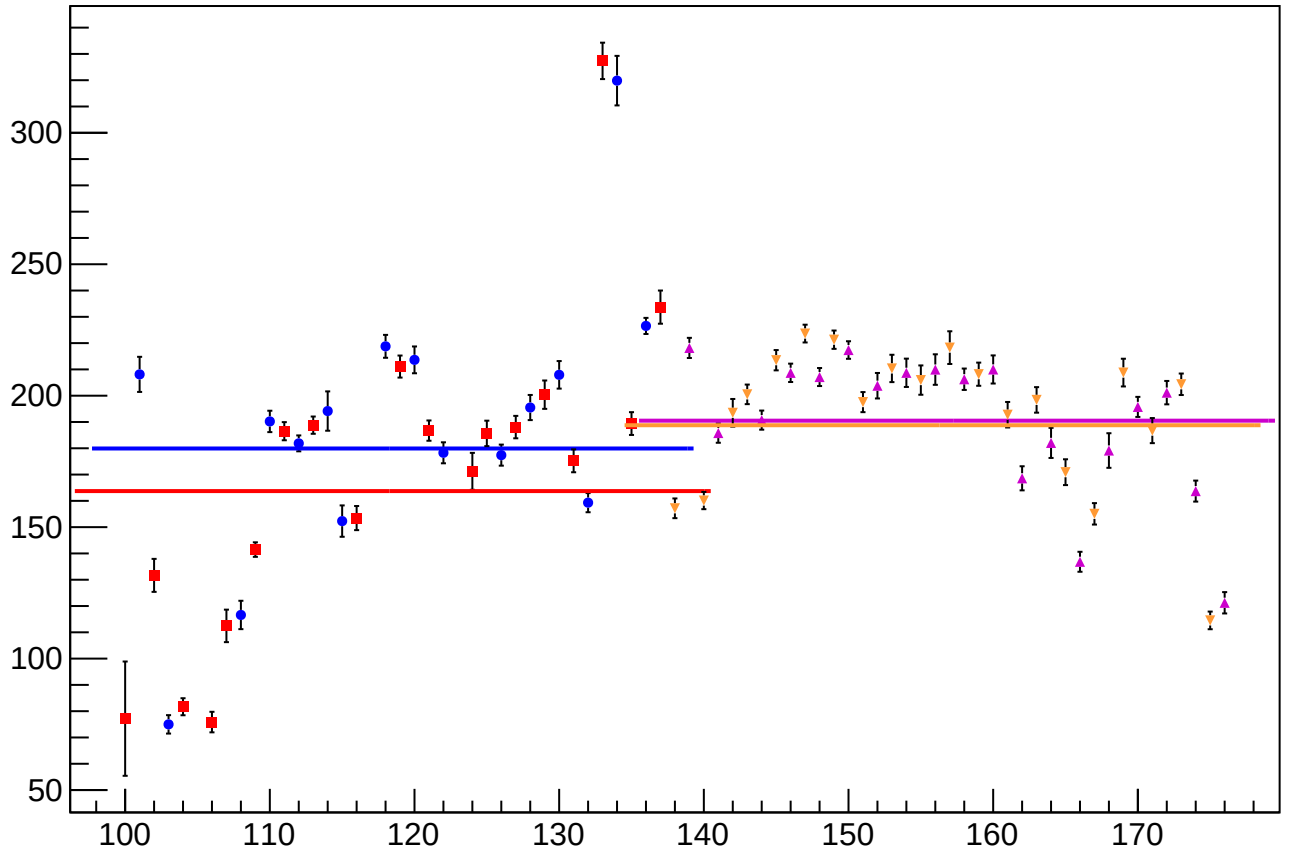
Left: -148.034+/-0.035 χ^2/NDF: 75548.2/38

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.691+/-0.044 χ^2/NDF:160409.9/34

Out: -142.104+/-0.043 χ^2/NDF:398414.4/38

All: -144.354+/-0.031 χ^2/NDF: 564305.8/73



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.767+/-0.937 χ^2/NDF:1071.3/19

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 190.502+/-0.958 χ^2/NDF:799.3/18

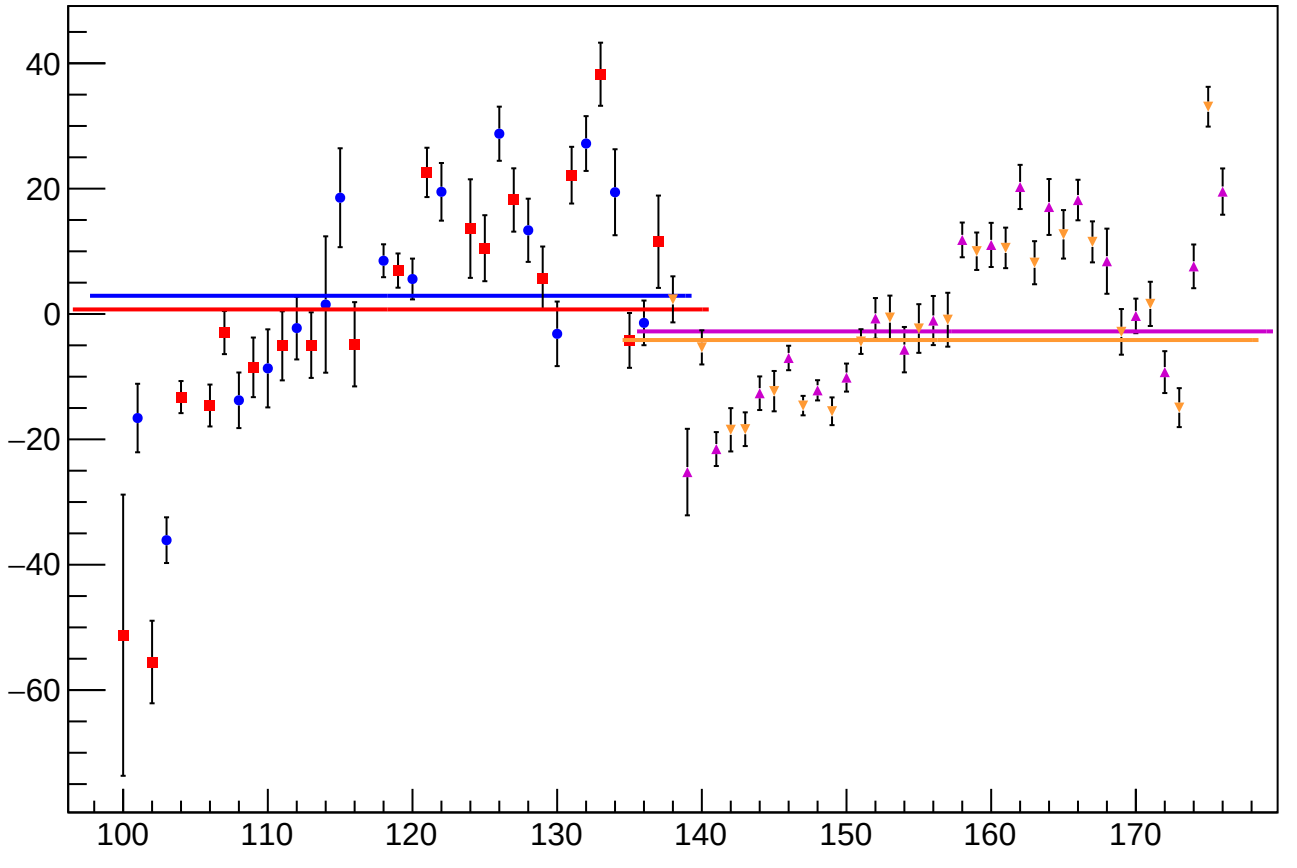
Left: 189.614+/-0.670 χ^2/NDF: 1872.2/38

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 185.880+/-0.719 χ^2/NDF:2585.2/34

Out: 177.070+/-0.684 χ^2/NDF:3822.0/38

All: 181.253+/-0.496 χ^2/NDF: 6486.0/73



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -4.153+/-0.643 χ^2/NDF:378.9/19

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -2.775+/-0.670 χ^2/NDF:325.1/18

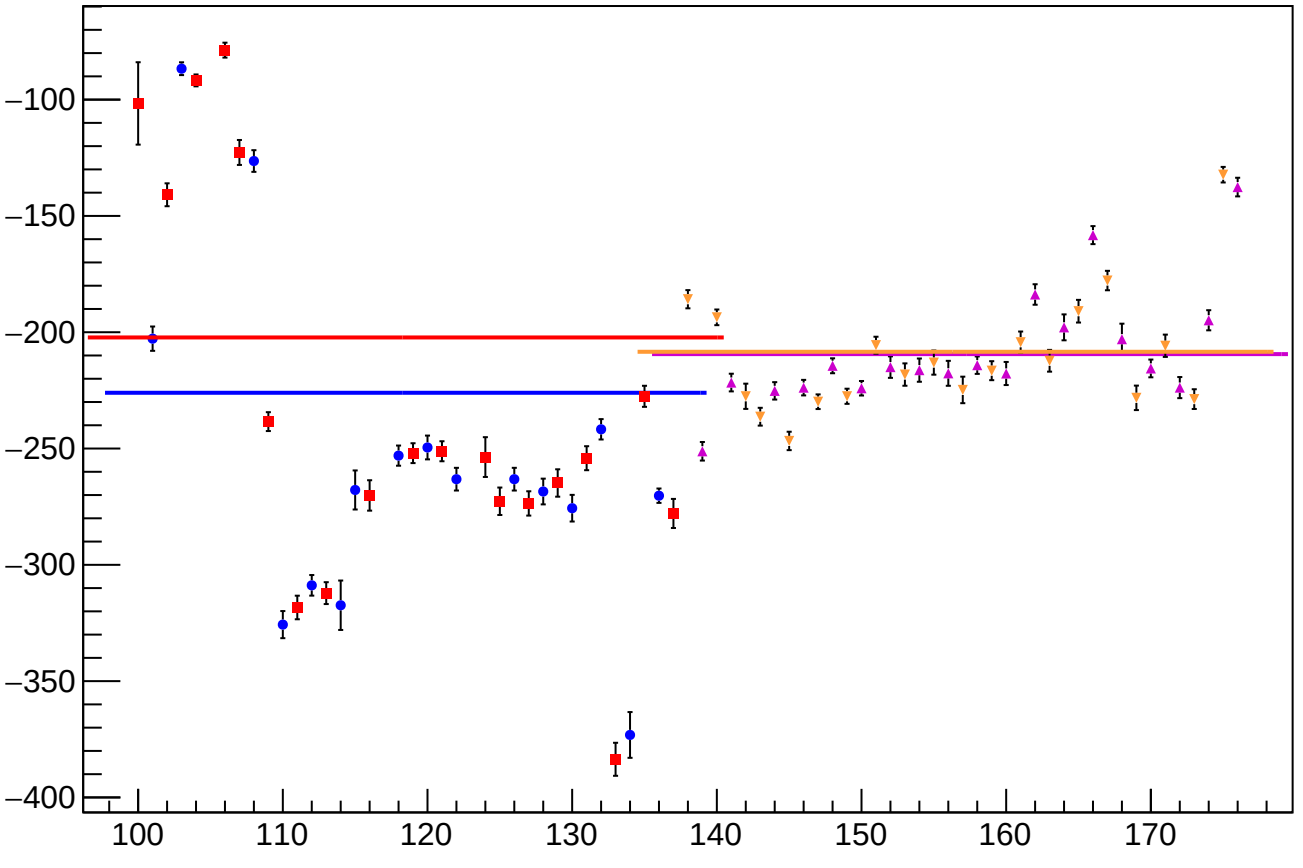
Left: -3.492+/-0.464 χ^2/NDF: 706.2/38

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.248+/-0.573 χ^2/NDF:592.0/34

Out: -2.748+/-0.543 χ^2/NDF:669.0/38

All: -2.038+/-0.394 χ^2/NDF: 1264.6/73



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -208.404+/-0.921 χ^2/NDF:934.0/19

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -209.409+/-0.940 χ^2/NDF:750.0/18

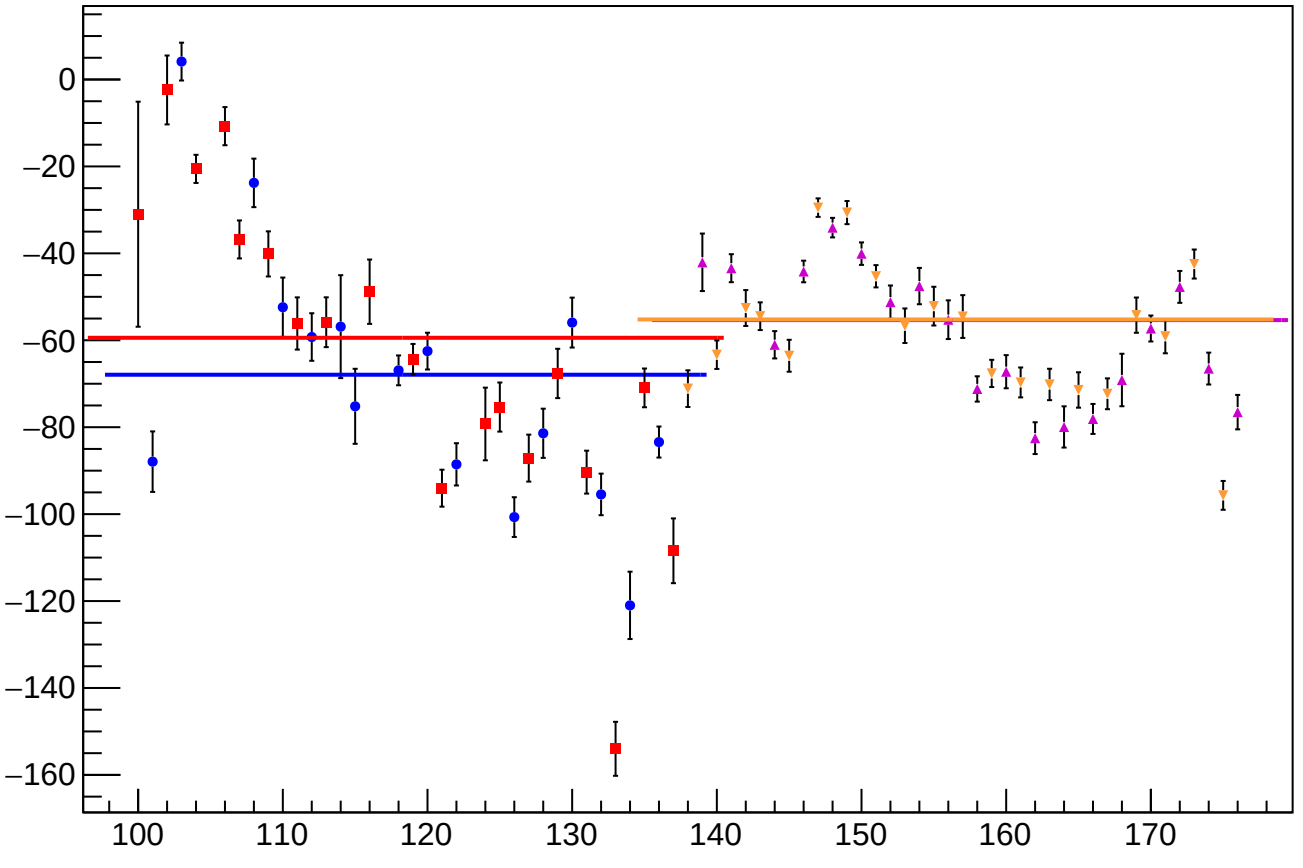
Left: -208.897+/-0.658 χ^2/NDF: 1684.6/38

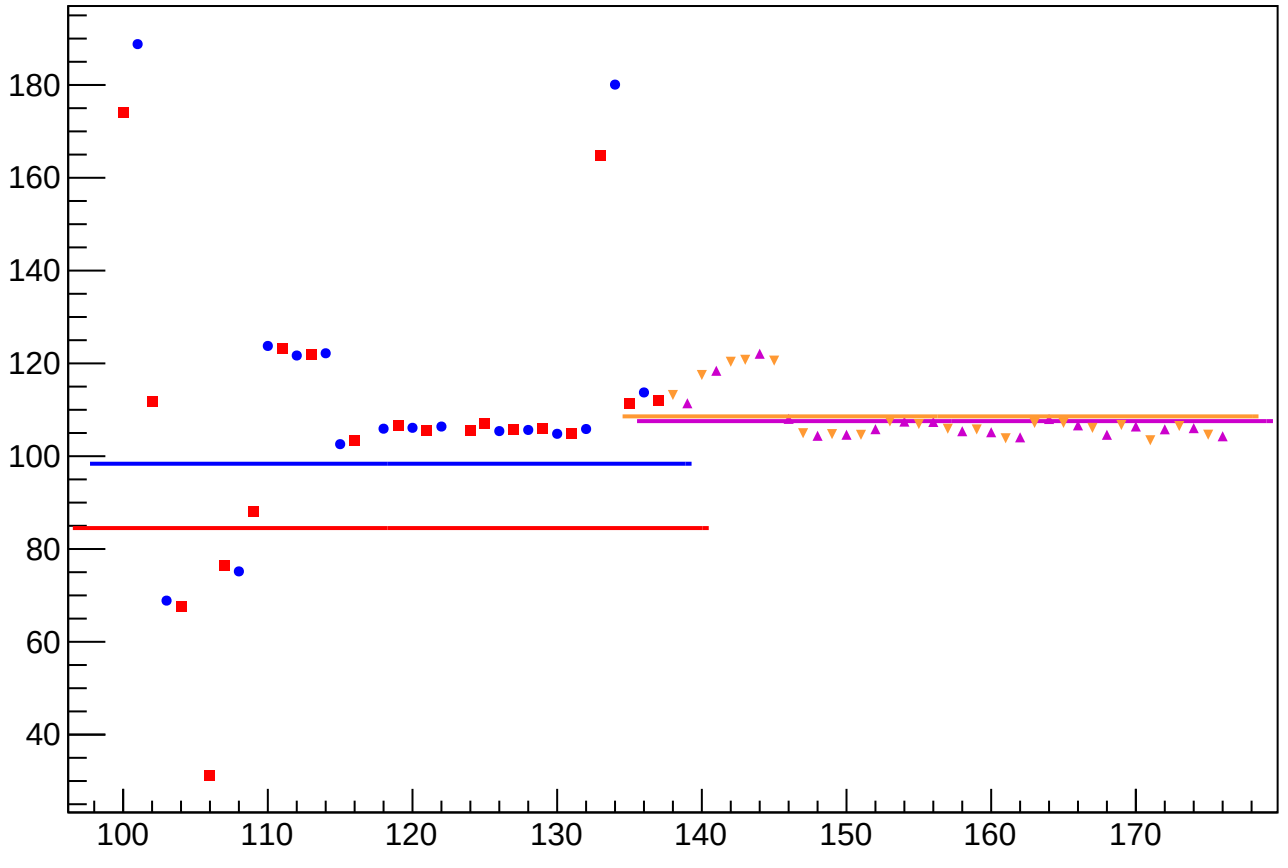
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -215.893+/-0.734 χ^2/NDF:5411.0/34

Out: -205.831+/-0.703 χ^2/NDF:7643.5/38

All: -210.644+/-0.508 χ^2/NDF: 13152.5/73


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: -55.211+/-0.754 χ2/NDF:527.1/19
Right Out: -59.428+/-1.184 χ2/NDF: 794.9/18
Left In: -55.356+/-0.779 χ2/NDF:383.0/18
Left: -55.281+/-0.542 χ2/NDF: 910.1/38
Right: -63.353+/-0.869 χ2/NDF: 1352.7/34
In: -58.762+/-0.665 χ2/NDF:987.6/34
Out: -56.428+/-0.636 χ2/NDF:1331.0/38
All: -57.542+/-0.460 χ2/NDF: 2324.9/73



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.583+/-0.036 χ^2/NDF:25028.7/19

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.561+/-0.036 χ^2/NDF:16151.1/18

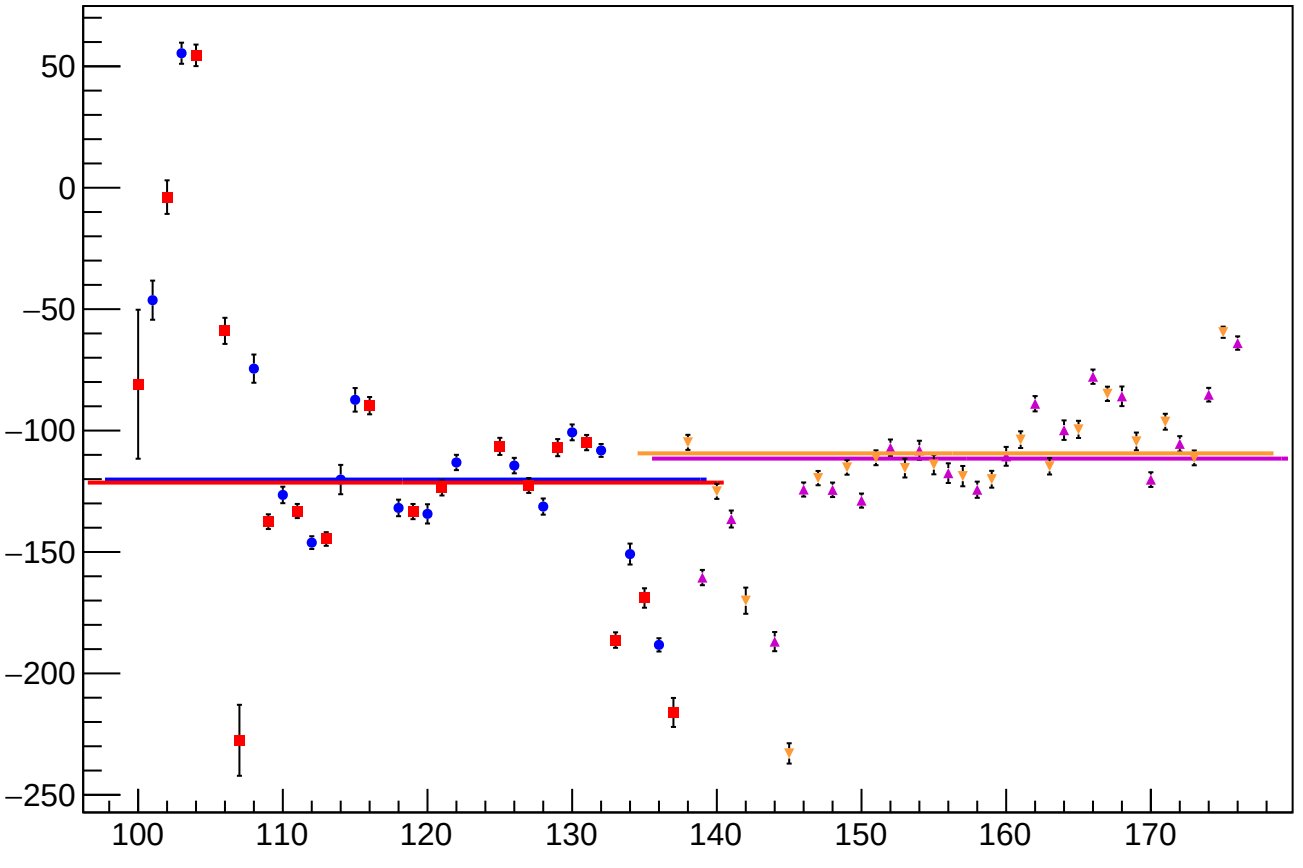
Left: 108.071+/-0.025 χ^2/NDF: 41590.7/38

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.489+/-0.031 χ^2/NDF:259547.8/34

Out: 102.388+/-0.031 χ^2/NDF:410999.6/38

All: 103.909+/-0.022 χ^2/NDF: 675530.6/73



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -109.384+/-0.760 χ^2/NDF:1627.7/18

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -111.540+/-0.752 χ^2/NDF:1375.5/18

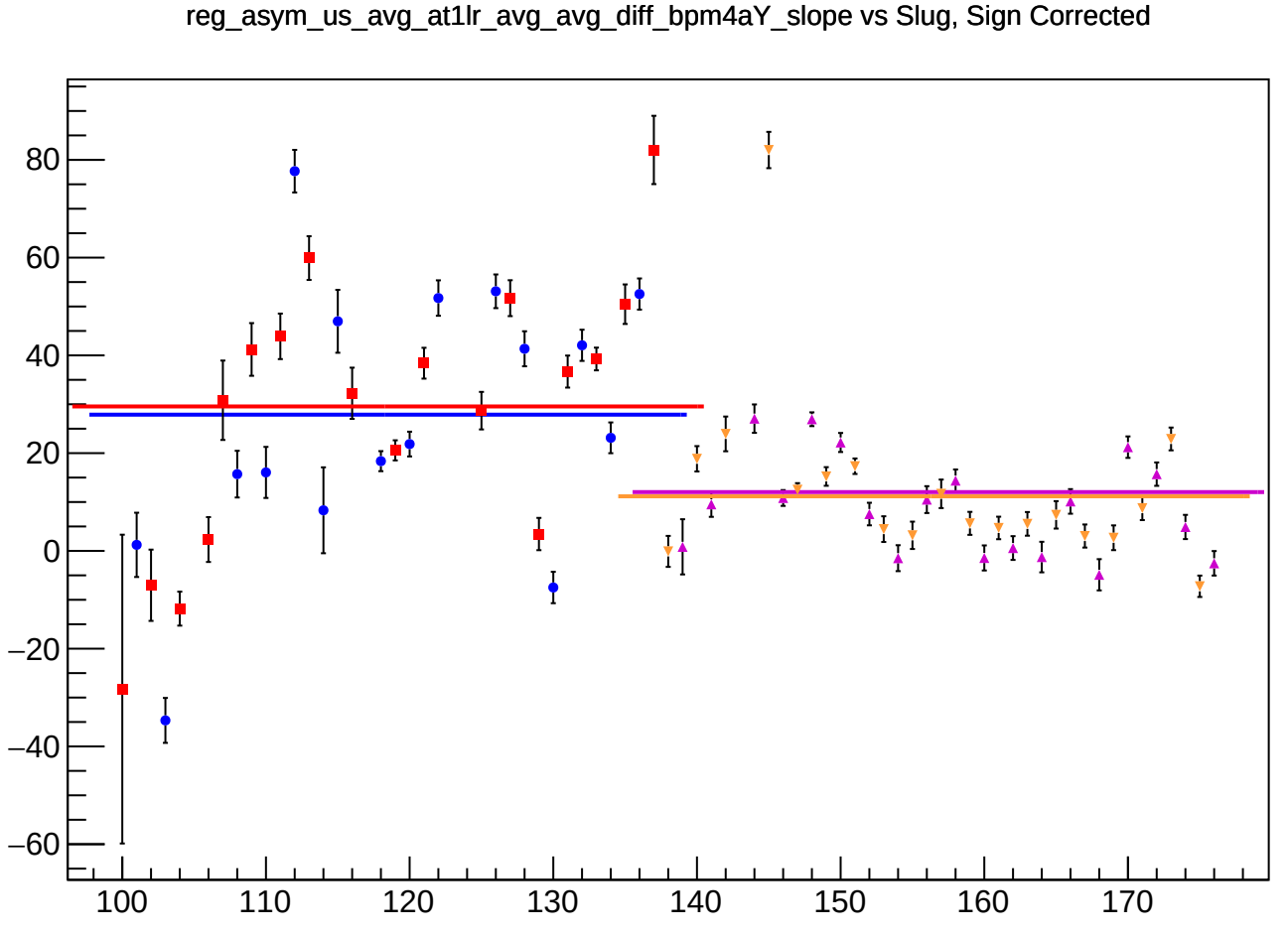
Left: -110.472+/-0.535 χ^2/NDF: 3007.3/37

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -115.137+/-0.575 χ^2/NDF:4121.6/34

Out: -114.556+/-0.574 χ^2/NDF:4861.9/36

All: -114.846+/-0.406 χ^2/NDF: 8984.0/71



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.166+/-0.529 χ^2/NDF:574.4/18

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.034+/-0.535 χ^2/NDF:360.8/18

Left: 11.595+/-0.376 χ^2/NDF: 936.5/37

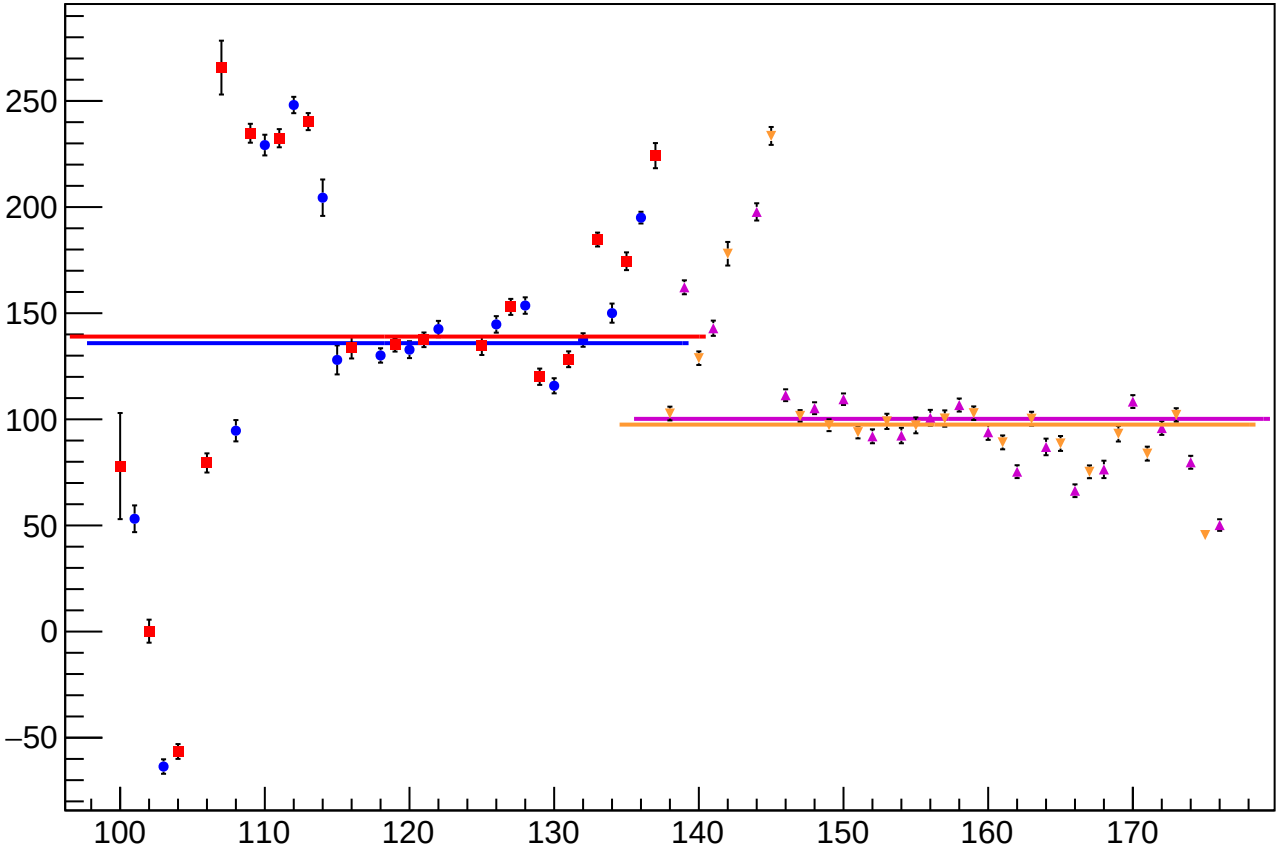
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 16.254+/-0.458 χ^2/NDF:1293.6/34

Out: 15.969+/-0.455 χ^2/NDF:1387.4/36

All: 16.110+/-0.323 χ^2/NDF: 2681.3/71

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: 97.516+/-0.744 χ^2/NDF:1955.0/18

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 100.217+/-0.738 χ^2/NDF:1751.8/18

Left: 98.877+/-0.524 χ^2/NDF: 3713.5/37

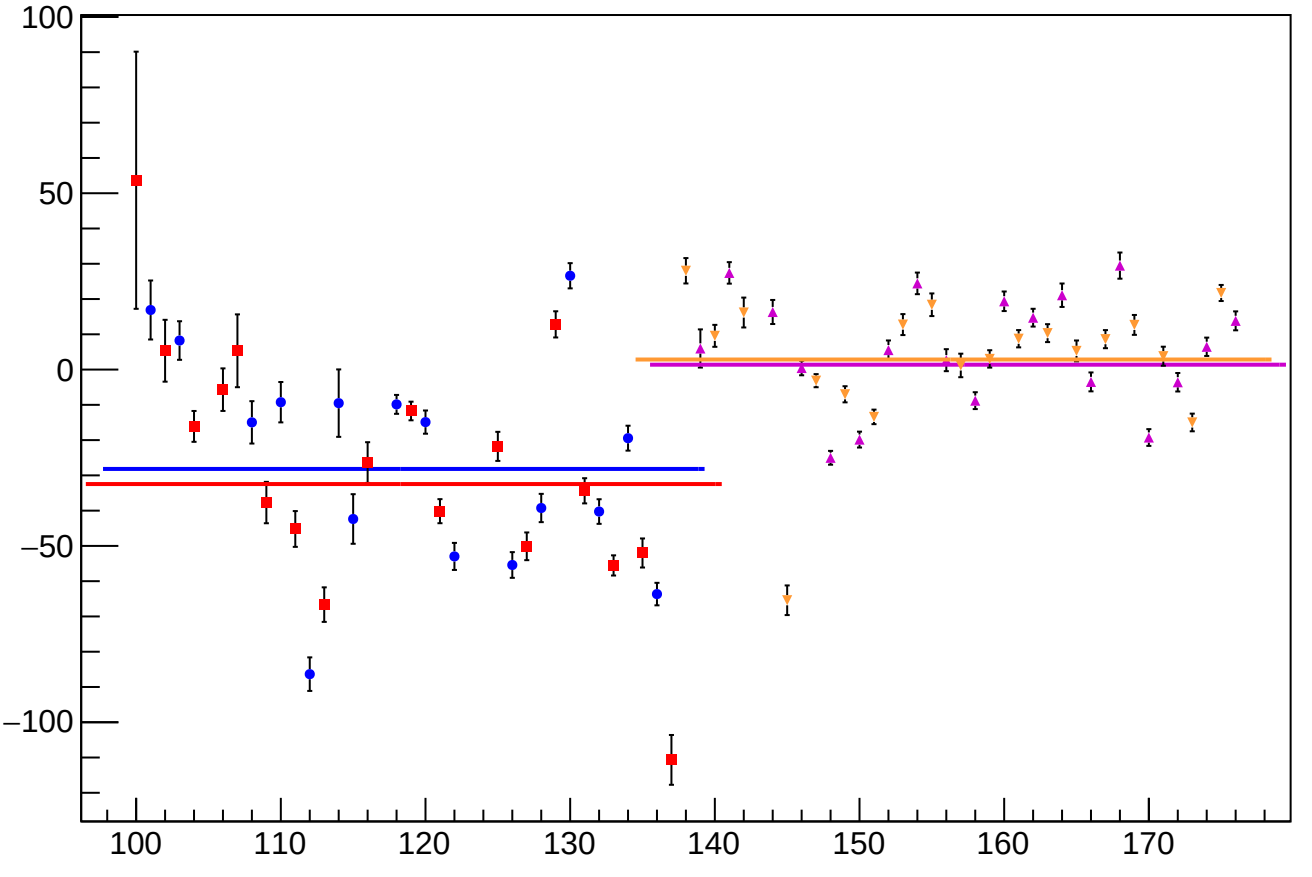
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 112.812+/-0.593 χ^2/NDF:8040.8/34

Out: 112.315+/-0.596 χ^2/NDF:9221.2/36

All: 112.565+/-0.421 χ^2/NDF: 17262.4/71

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.853+/-0.611 χ^2/NDF:604.9/18

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.384+/-0.616 χ^2/NDF:710.8/18

Left: 2.124+/-0.434 χ^2/NDF: 1318.6/37

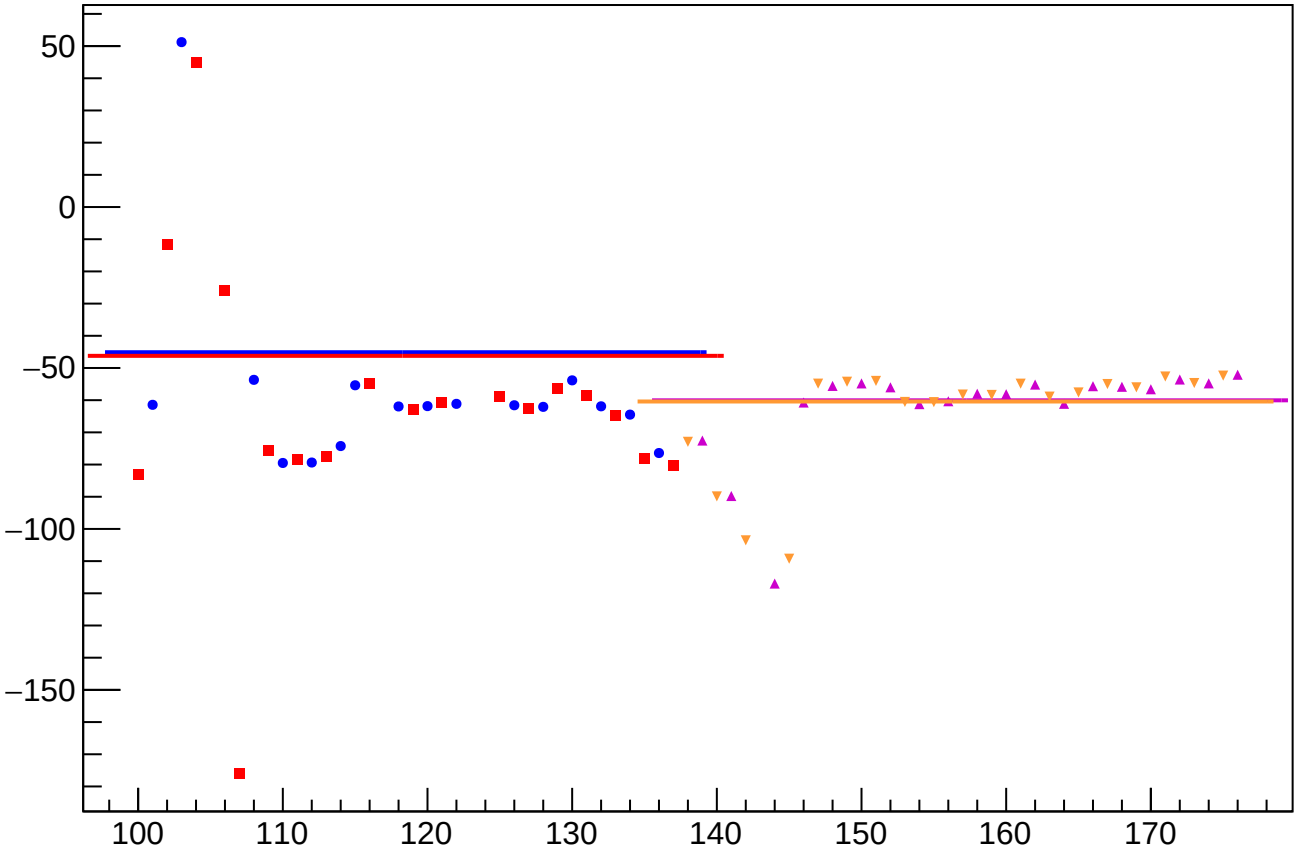
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -6.486+/-0.527 χ^2/NDF:2115.5/34

Out: -6.380+/-0.525 χ^2/NDF:2058.2/36

All: -6.433+/-0.372 χ^2/NDF: 4173.8/71

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: -60.410+/-0.028 χ^2/NDF:202531.1/18

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.047+/-0.028 χ^2/NDF:171157.7/18

Left: -60.224+/-0.020 χ^2/NDF: 373773.6/37

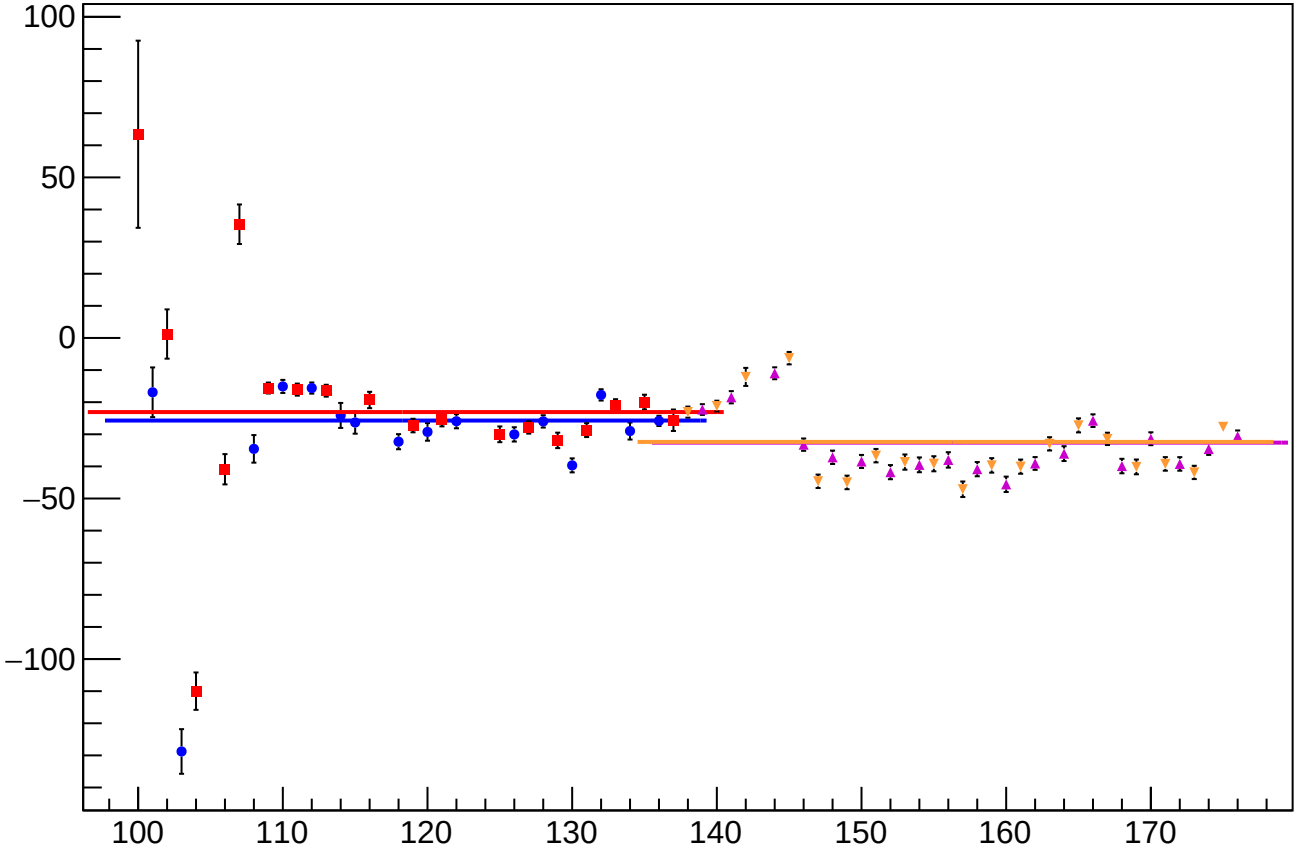
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.453+/-0.025 χ^2/NDF:797356.8/34

Out: -58.011+/-0.026 χ^2/NDF:738804.1/36

All: -57.724+/-0.018 χ^2/NDF: 1536402.6/71

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.373+/-0.473 χ^2/NDF:512.7/18

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.599+/-0.468 χ^2/NDF:363.8/18

Left: -32.487+/-0.333 χ^2/NDF: 876.5/37

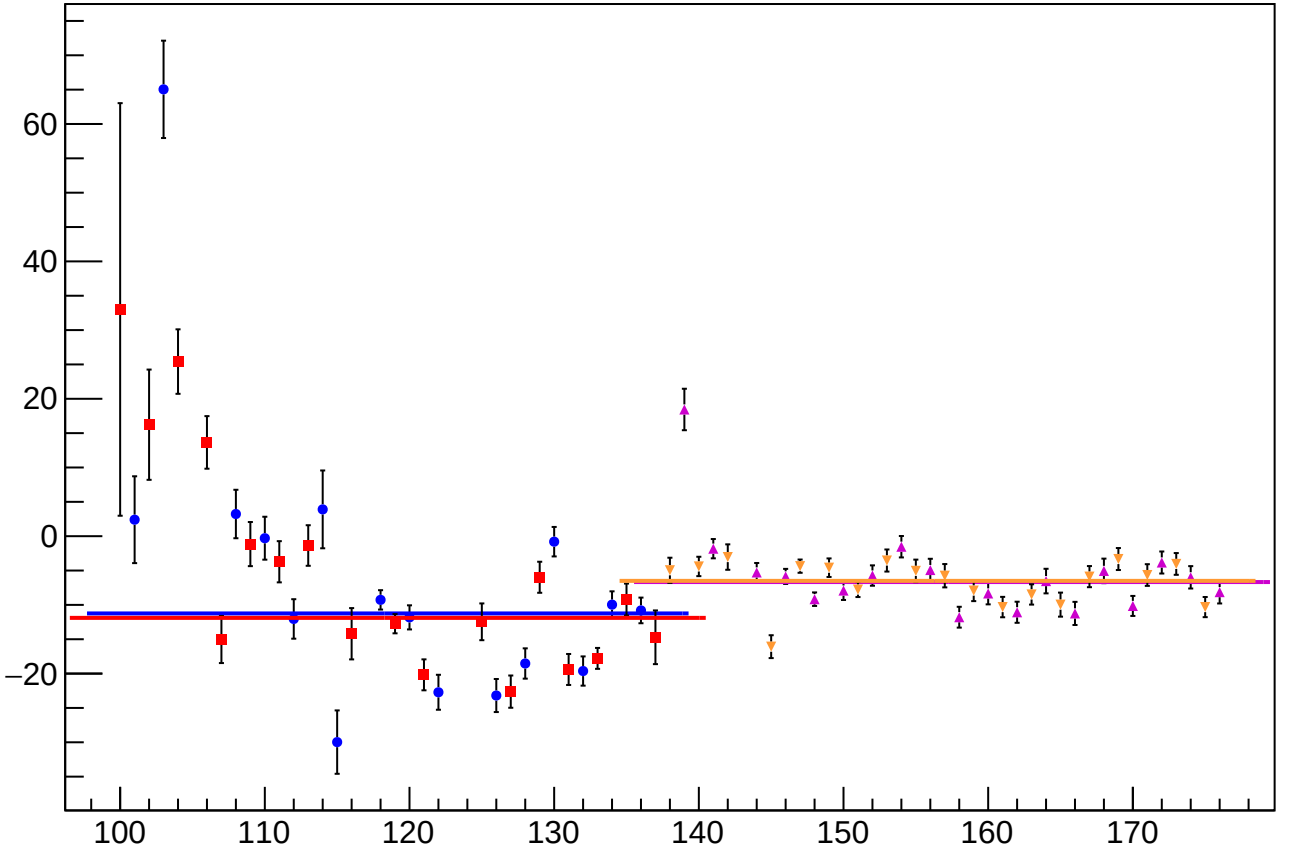
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.945+/-0.367 χ^2/NDF:810.1/34

Out: -28.675+/-0.367 χ^2/NDF:1103.4/36

All: -29.311+/-0.259 χ^2/NDF: 1919.5/71

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.504+/-0.338 χ^2/NDF:78.9/18

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.676+/-0.341 χ^2/NDF:141.2/18

Left: -6.589+/-0.240 χ^2/NDF: 220.3/37

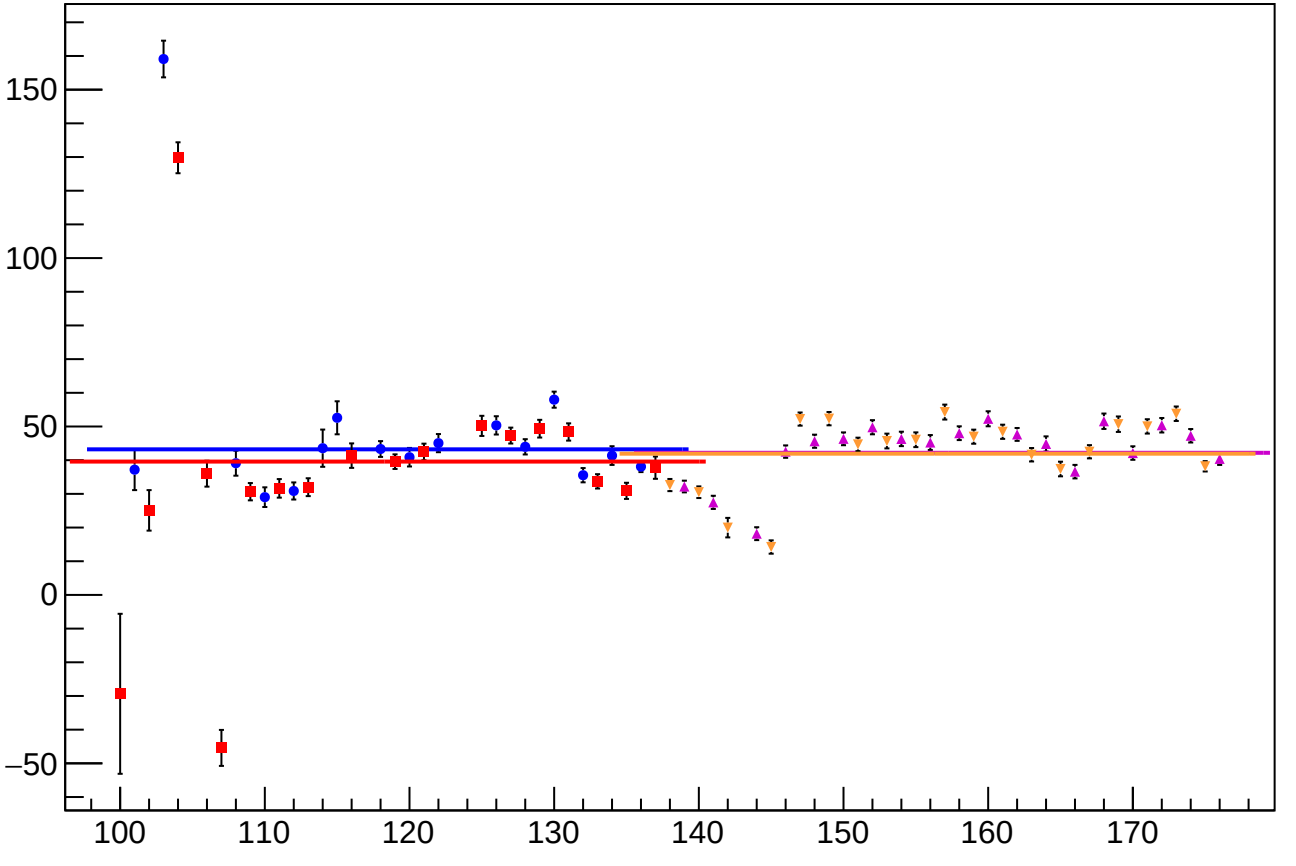
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.790+/-0.296 χ^2/NDF:456.2/34

Out: -7.777+/-0.295 χ^2/NDF:363.5/36

All: -7.783+/-0.209 χ^2/NDF: 819.7/71

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: 41.930+/-0.465 χ^2/NDF:503.4/18

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.192+/-0.460 χ^2/NDF:358.1/18

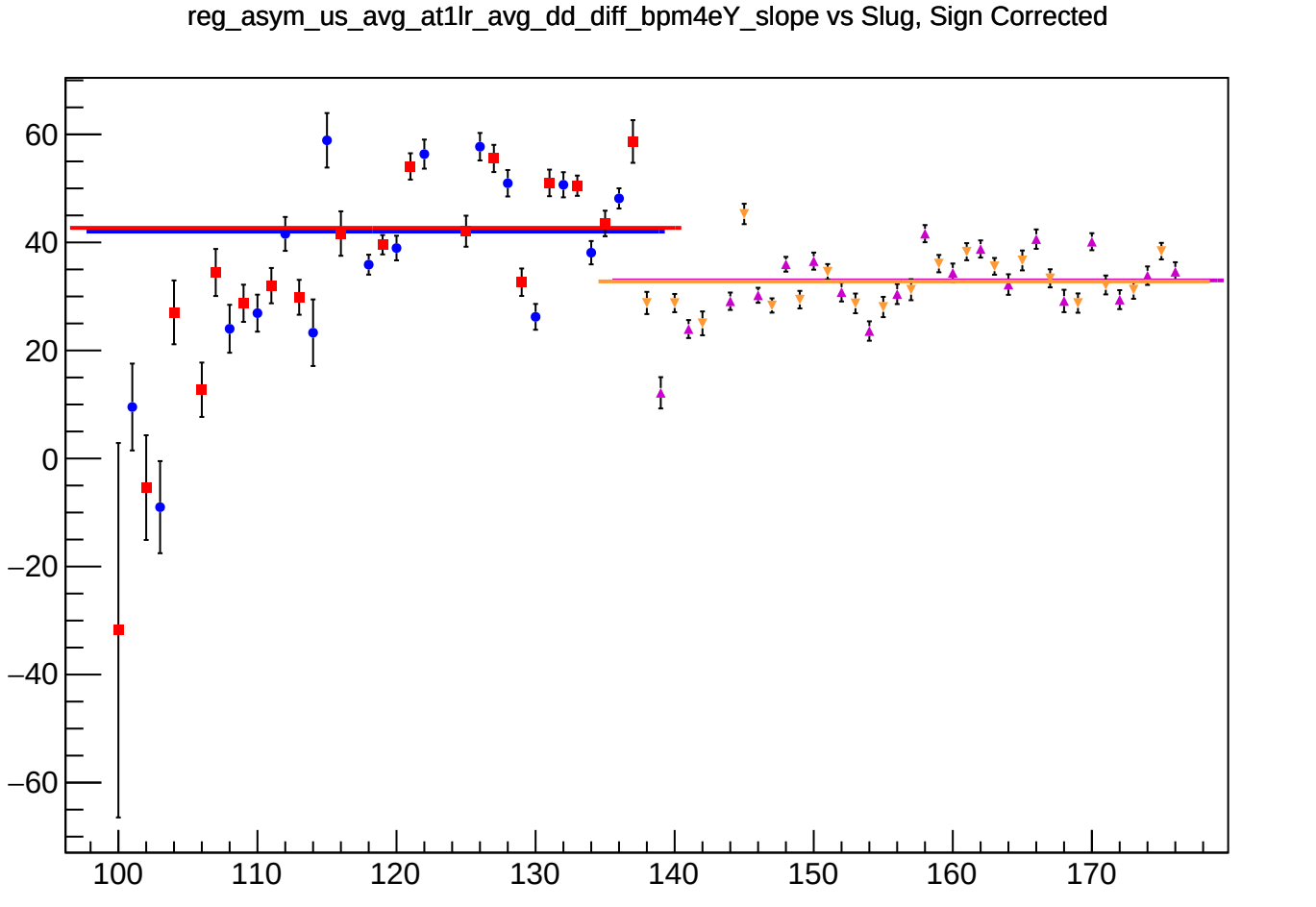
Left: 42.062+/-0.327 χ^2/NDF: 861.7/37

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.517+/-0.381 χ^2/NDF:935.7/34

Out: 41.191+/-0.385 χ^2/NDF:1265.5/36

All: 41.860+/-0.271 χ^2/NDF: 2207.2/71



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.786+/-0.388 χ^2/NDF:138.5/18

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.975+/-0.390 χ^2/NDF:222.2/18

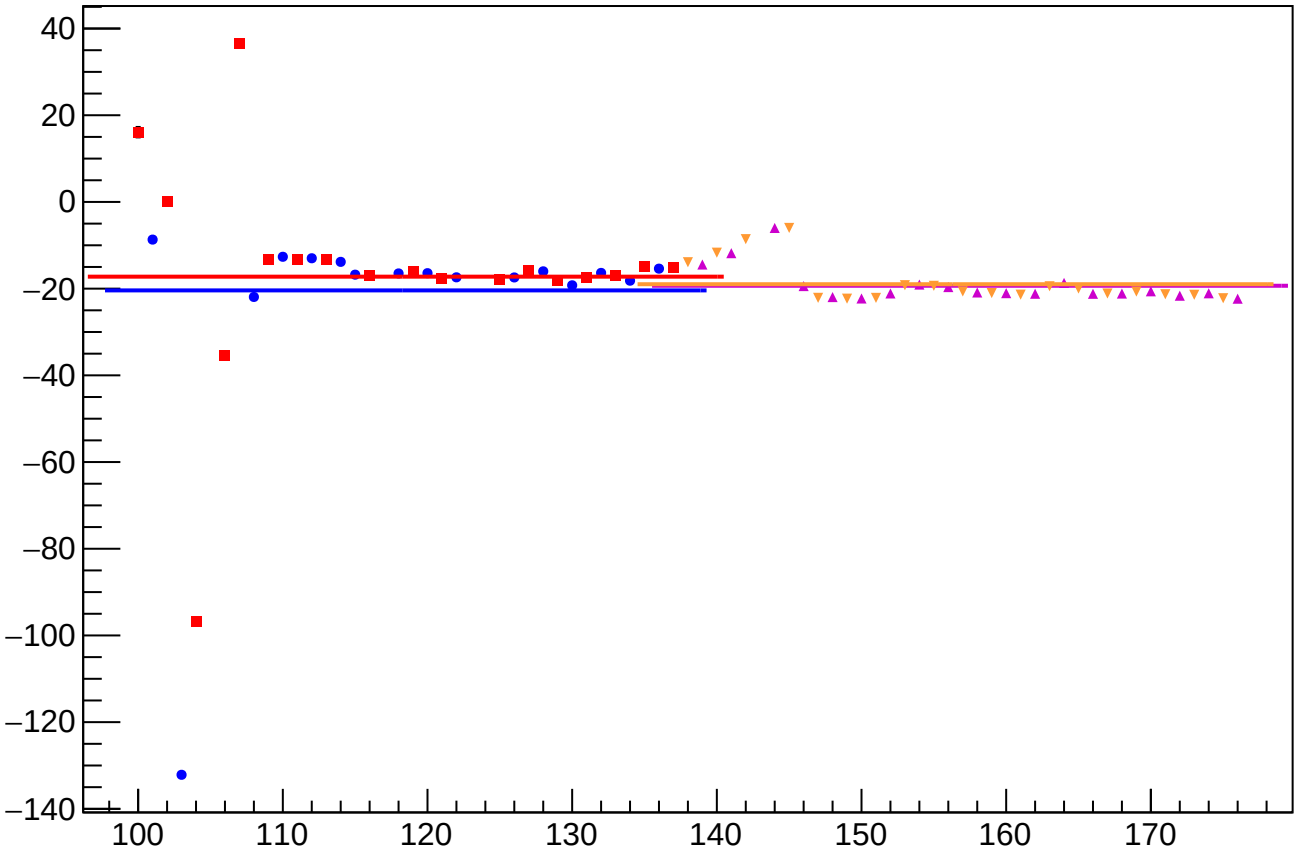
Left: 32.880+/-0.275 χ^2/NDF: 360.9/37

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.190+/-0.339 χ^2/NDF:626.6/34

Out: 35.141+/-0.339 χ^2/NDF:523.9/36

All: 35.165+/-0.239 χ^2/NDF: 1150.6/71



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.980+/-0.018 χ^2/NDF:62162.3/18

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.335+/-0.017 χ^2/NDF:48903.6/18

Left: -19.162+/-0.012 χ^2/NDF: 111274.8/37

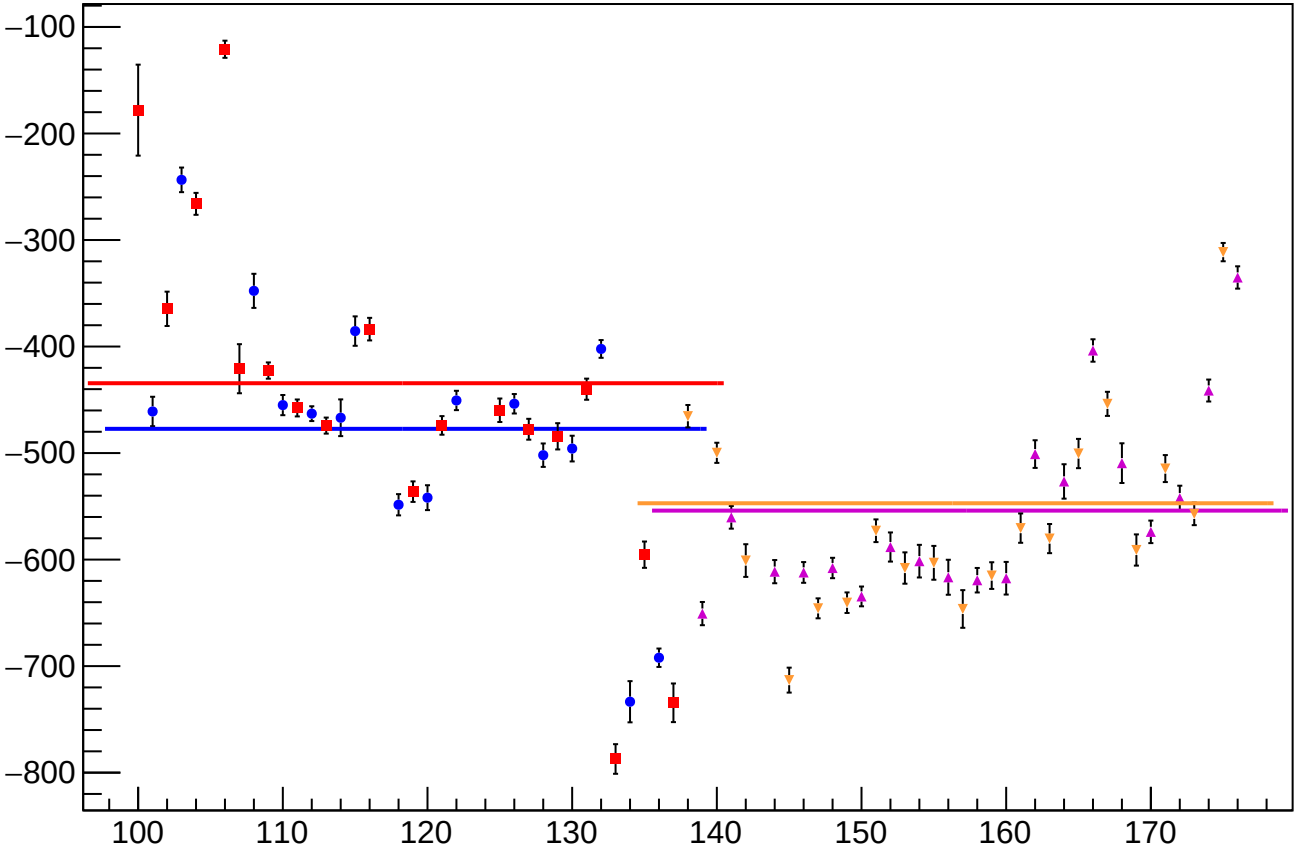
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.489+/-0.016 χ^2/NDF:295073.6/34

Out: -18.741+/-0.016 χ^2/NDF:268169.1/36

All: -19.125+/-0.011 χ^2/NDF: 564321.0/71

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -547.122+/-2.692 χ^2/NDF:1457.0/18

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -554.020+/-2.668 χ^2/NDF:1118.4/18

Left: -550.602+/-1.895 χ^2/NDF: 2578.7/37

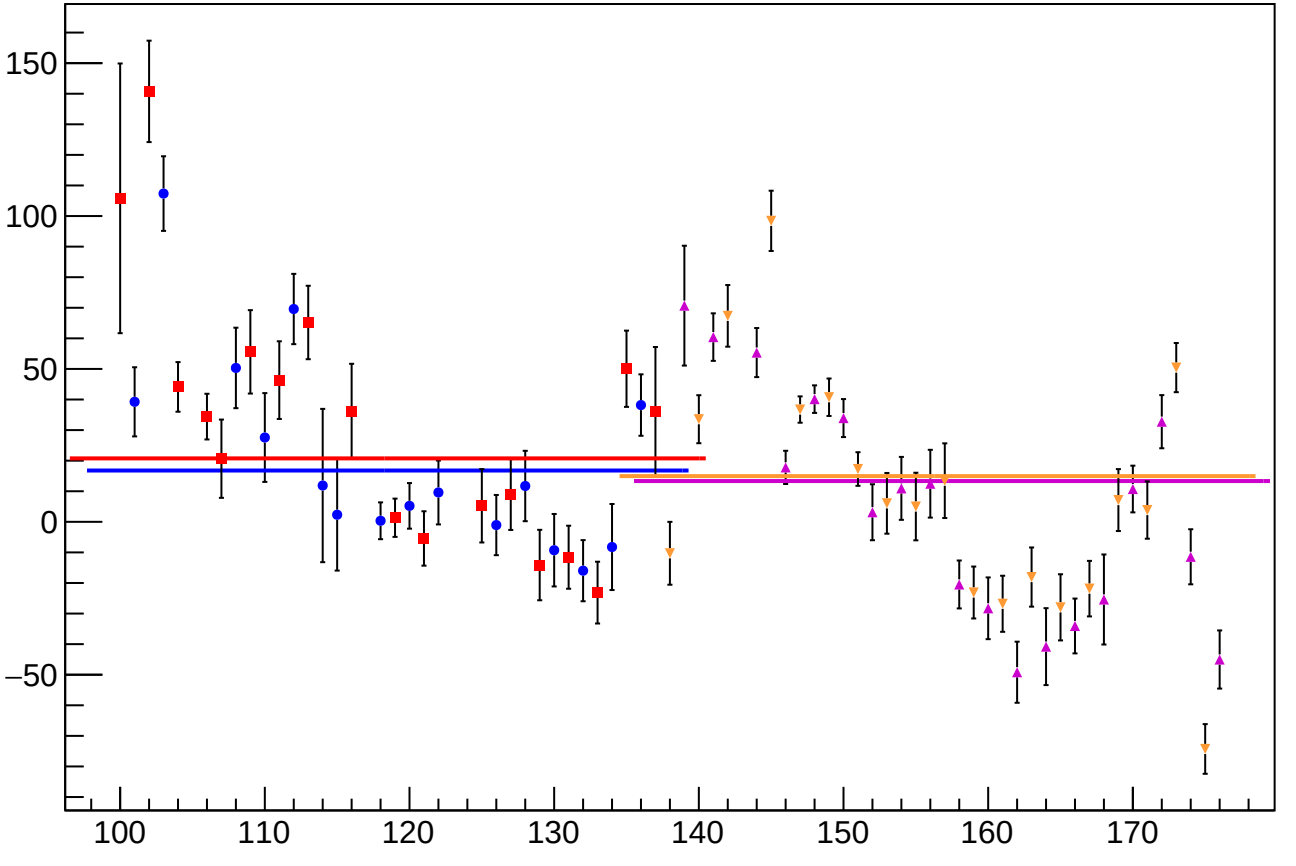
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -515.131+/-1.874 χ^2/NDF:3048.6/34

Out: -485.796+/-1.818 χ^2/NDF:5572.2/36

All: -500.015+/-1.305 χ^2/NDF: 8747.0/71

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.951+/-1.846 χ^2/NDF:382.3/18

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 13.335+/-1.868 χ^2/NDF:299.5/18

Left: 14.153+/-1.313 χ^2/NDF: 682.2/37

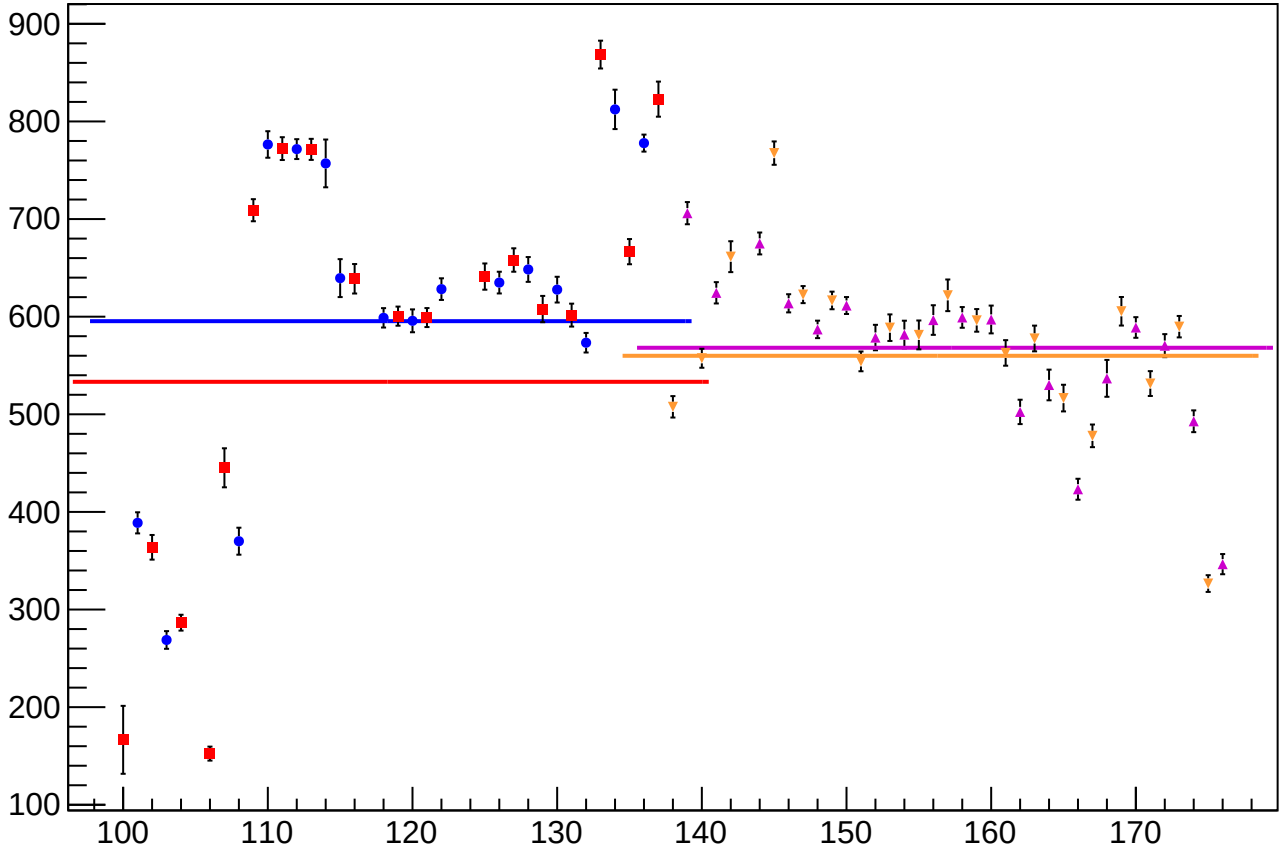
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 14.476+/-1.528 χ^2/NDF:425.6/34

Out: 16.946+/-1.495 χ^2/NDF:543.6/36

All: 15.738+/-1.068 χ^2/NDF: 970.6/71

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: 559.944+/-2.641 χ^2/NDF:1313.1/18

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 568.156+/-2.618 χ^2/NDF:1062.7/18

Left: 564.085+/-1.859 χ^2/NDF: 2380.7/37

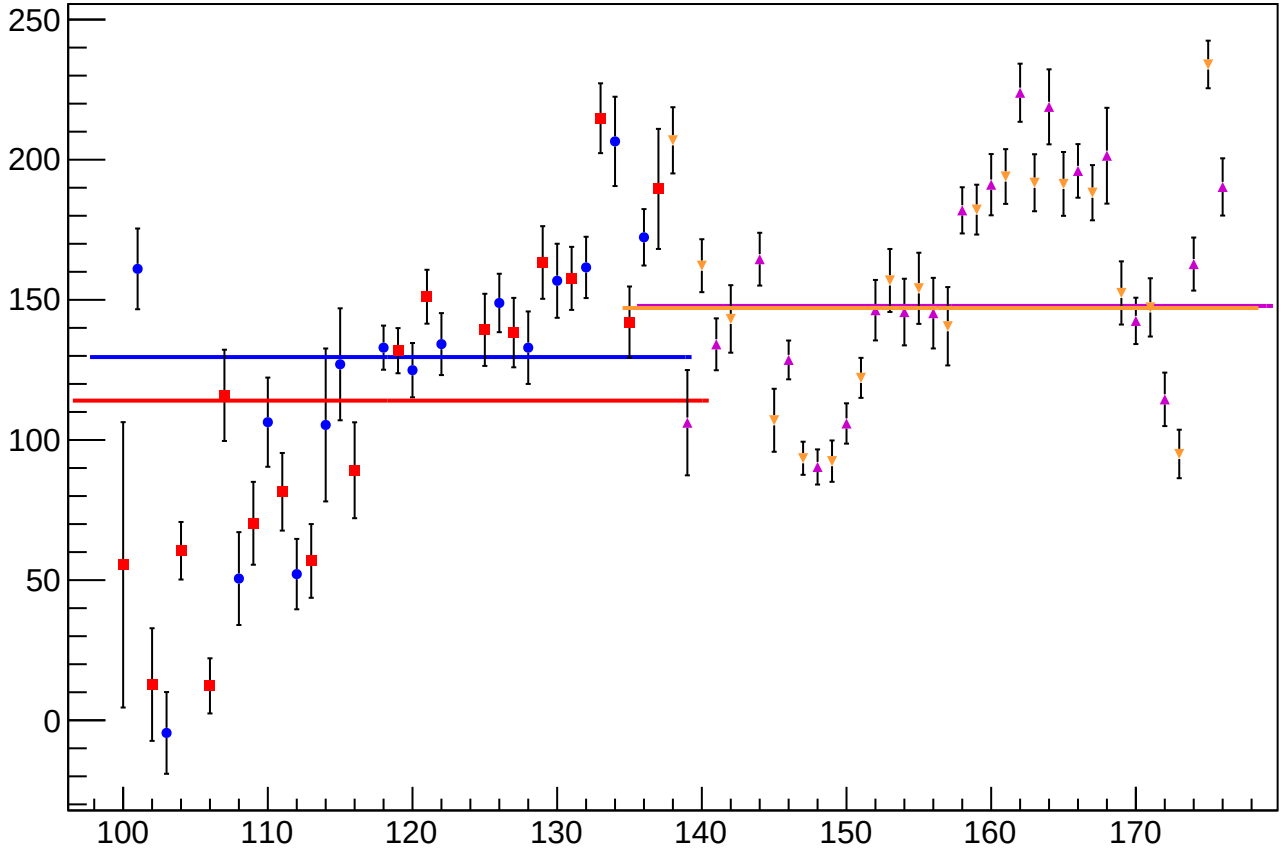
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 580.258+/-1.952 χ^2/NDF:4170.5/34

Out: 547.135+/-1.903 χ^2/NDF:7865.0/36

All: 563.276+/-1.363 χ^2/NDF: 12183.1/71

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: 147.083+/-2.160 χ^2/NDF:423.6/18

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.825+/-2.171 χ^2/NDF:318.5/18

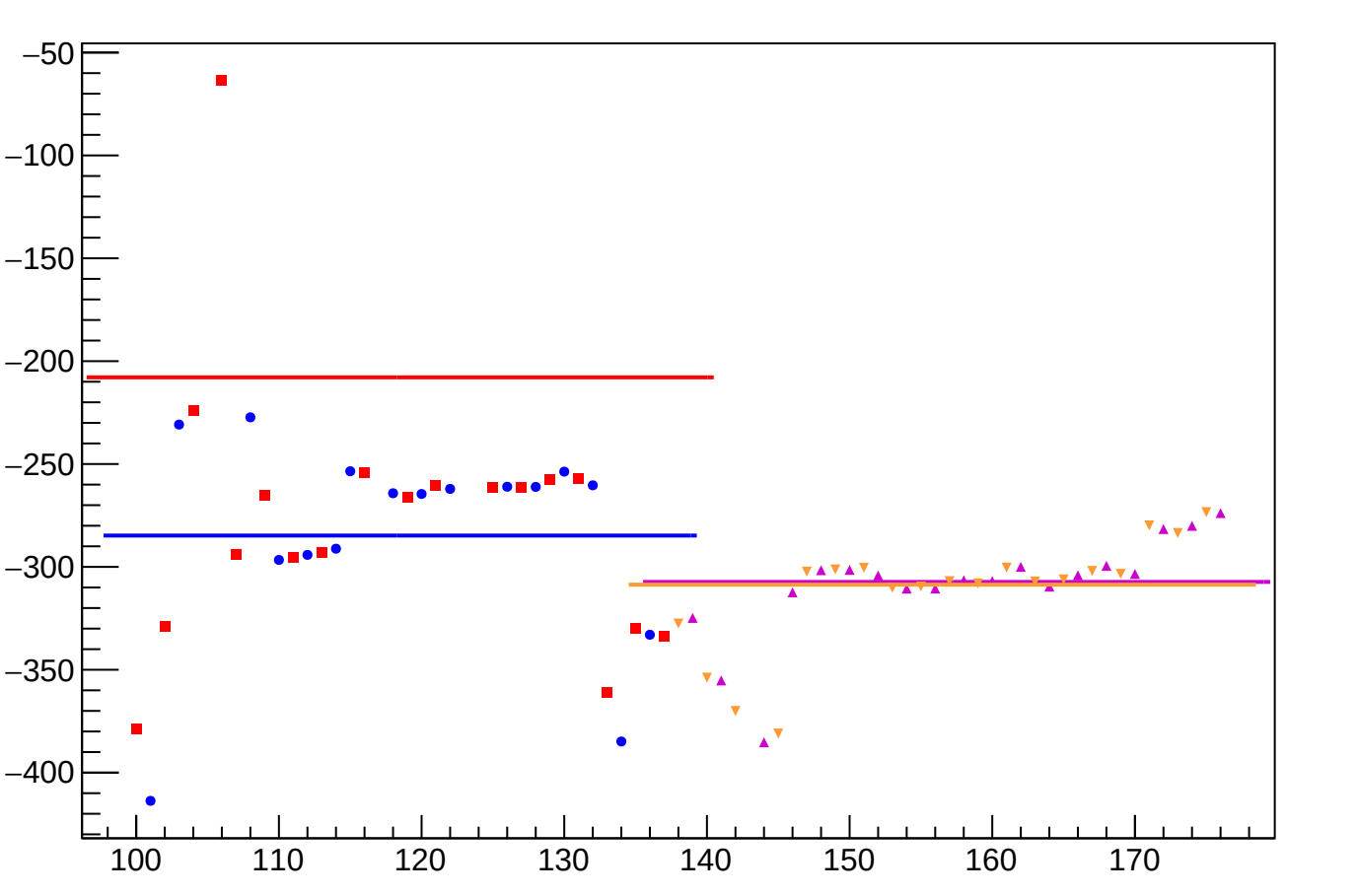
Left: 147.452+/-1.531 χ^2/NDF: 742.1/37

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 141.772+/-1.775 χ^2/NDF:553.2/34

Out: 135.685+/-1.748 χ^2/NDF:840.2/36

All: 138.682+/-1.245 χ^2/NDF: 1399.3/71



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -308.627+/-0.102 χ^2/NDF:63303.9/18

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -307.306+/-0.099 χ^2/NDF:53376.7/18

Left: -307.948+/-0.071 χ^2/NDF: 116766.9/37

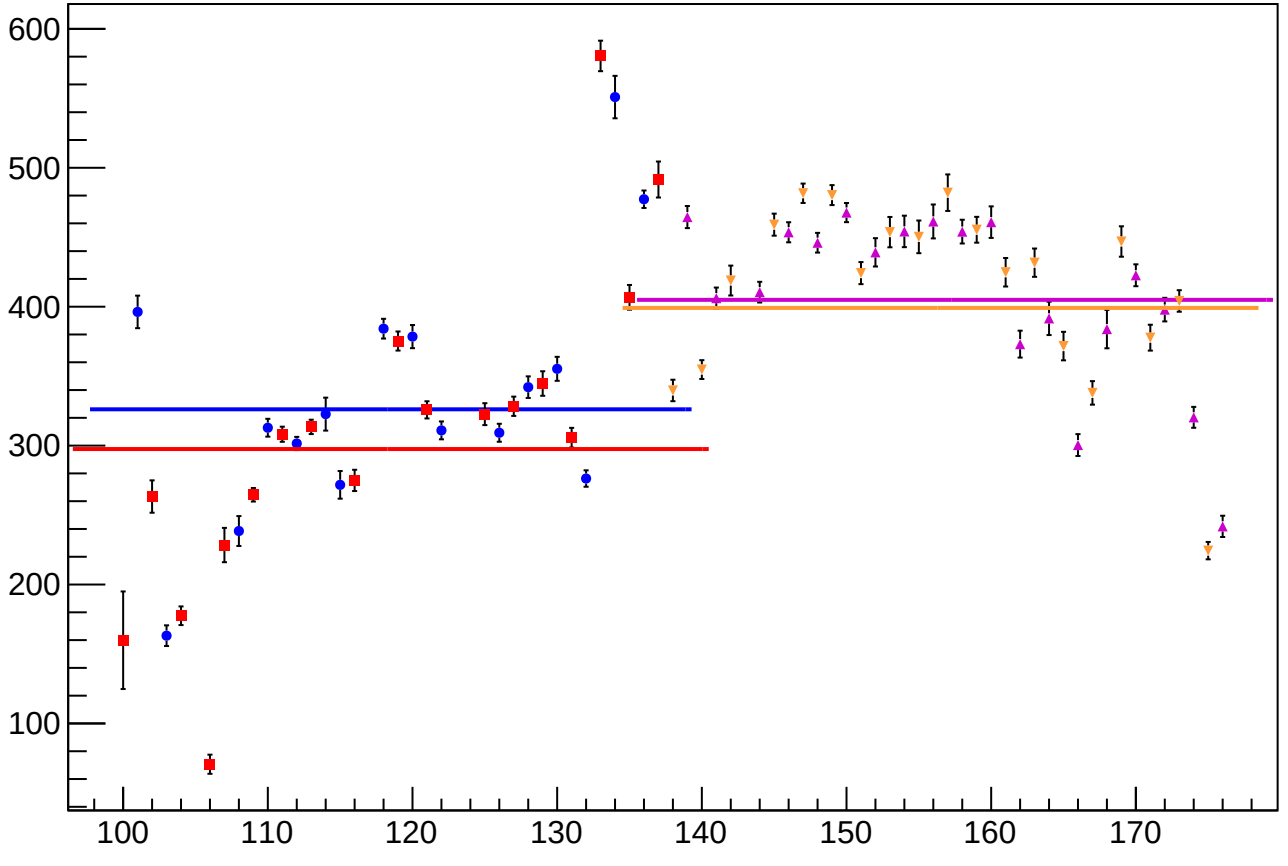
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -301.942+/-0.087 χ^2/NDF:170029.1/34

Out: -276.432+/-0.084 χ^2/NDF:911800.7/36

All: -288.818+/-0.060 χ^2/NDF: 1126463.7/71

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: 399.121+/-1.974 χ^2/NDF:1440.7/18

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 404.936+/-1.960 χ^2/NDF:1104.2/18

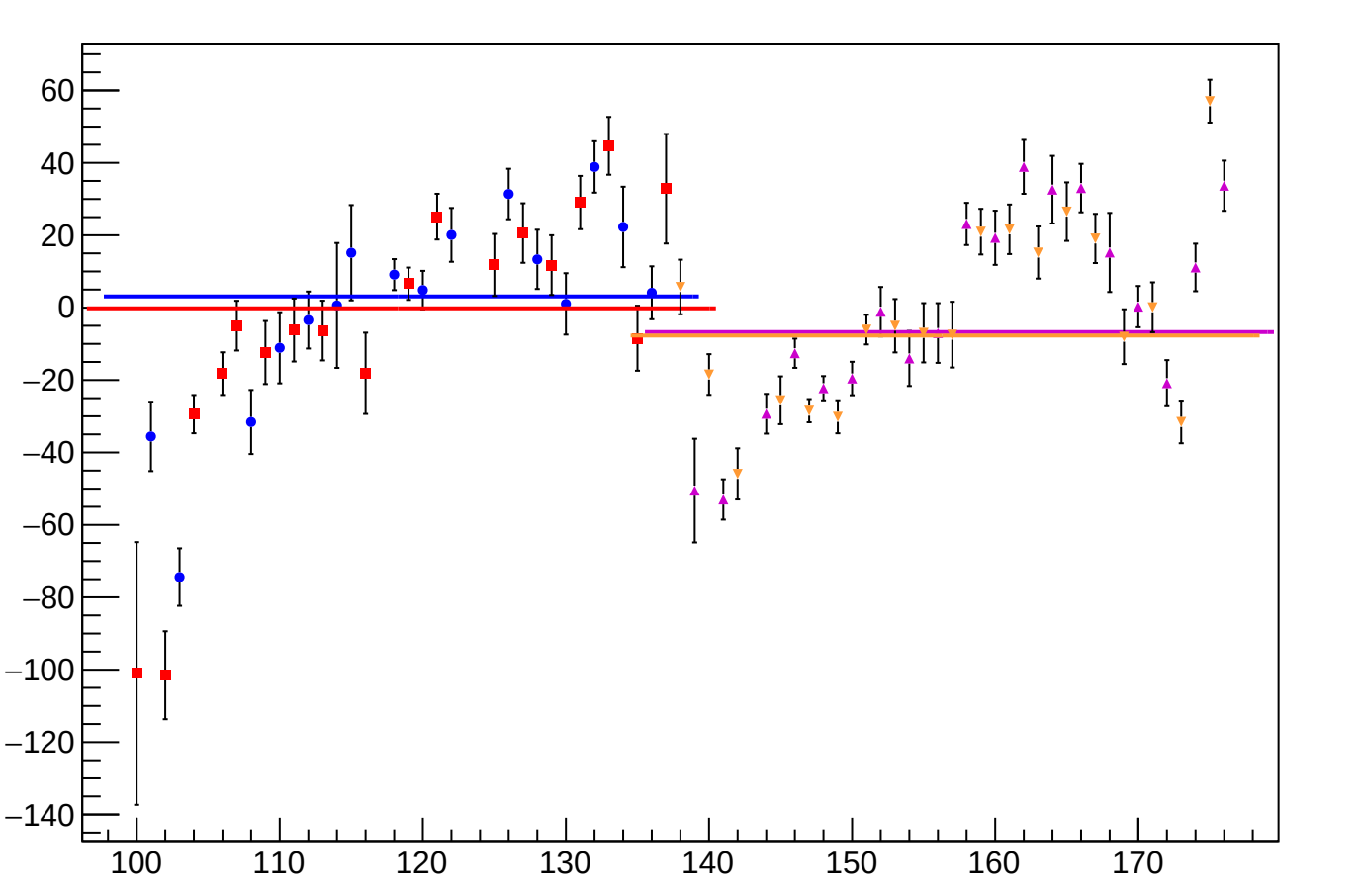
Left: 402.050+/-1.391 χ^2/NDF: 2549.2/37

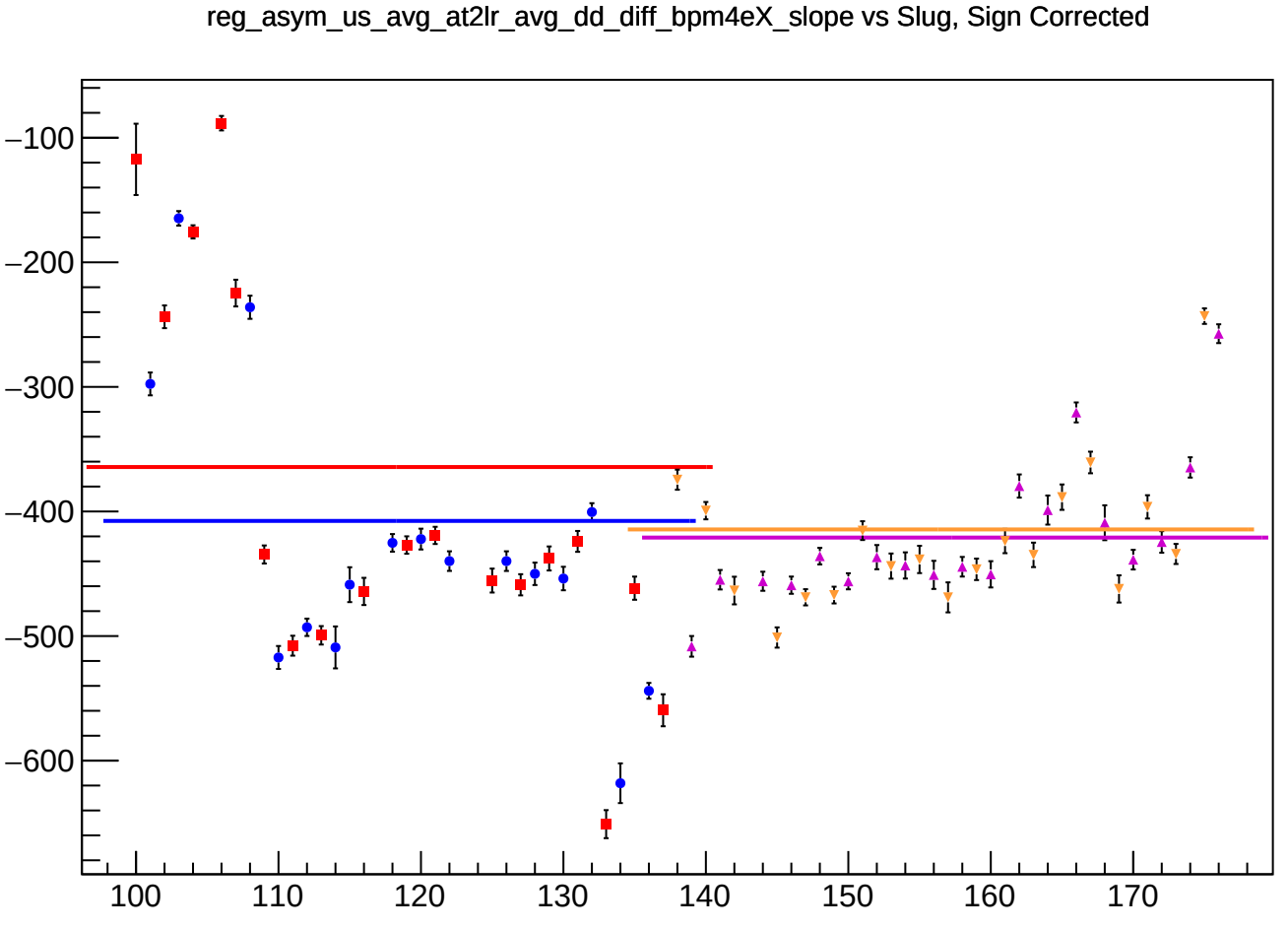
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

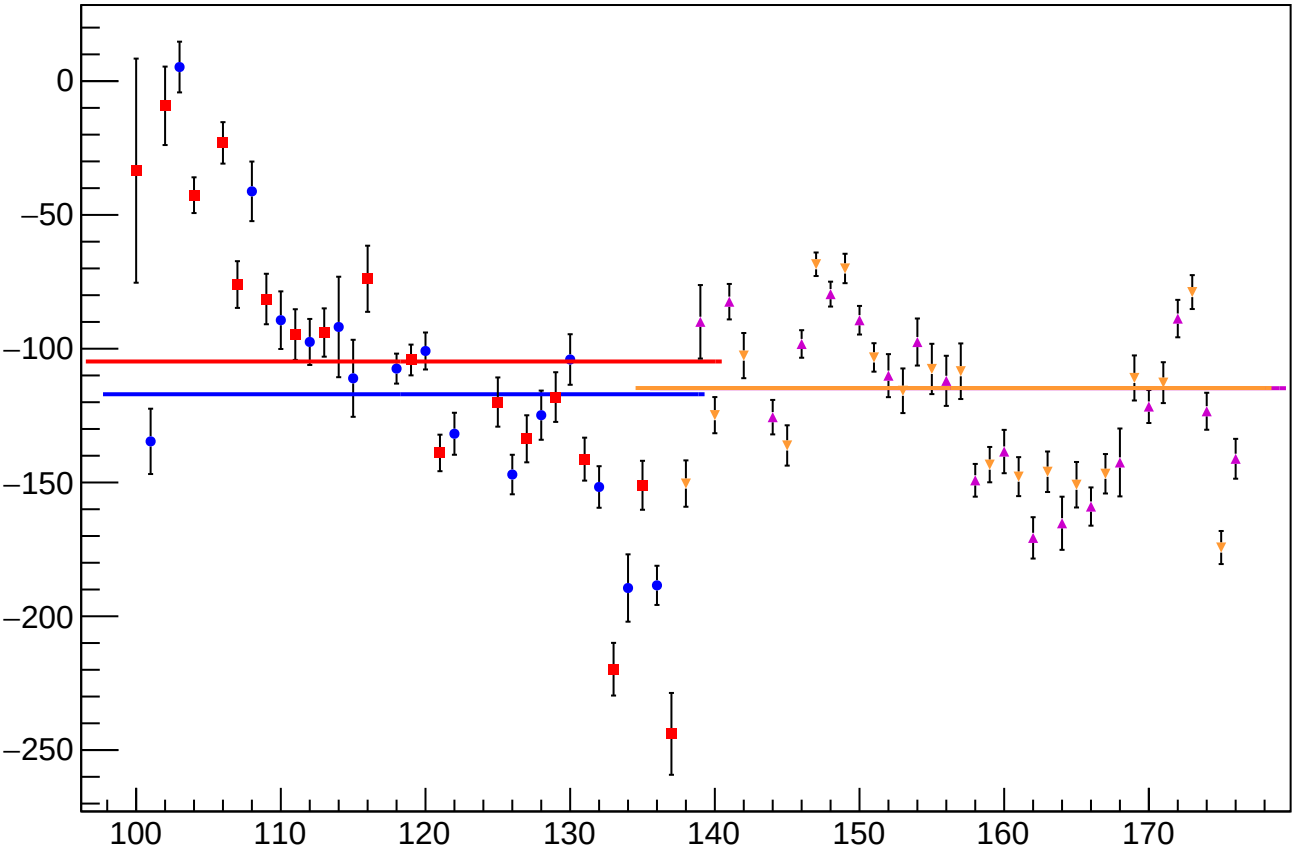
In: 363.407+/-1.348 χ^2/NDF:3599.1/34

Out: 341.788+/-1.303 χ^2/NDF:5710.1/36

All: 352.232+/-0.937 χ^2/NDF: 9442.1/71


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: 3.101+/-1.892 χ²/NDF: 184.5/15
Left Out: -7.704+/-1.359 χ²/NDF:330.1/18
Right Out: -0.180+/-1.791 χ²/NDF: 205.2/17
Left In: -6.735+/-1.376 χ²/NDF:308.9/18
Left: -7.226+/-0.967 χ²/NDF: 639.2/37
Right: 1.370+/-1.301 χ²/NDF: 391.3/33
In: -3.333+/-1.113 χ²/NDF:511.1/34
Out: -4.955+/-1.083 χ²/NDF:546.5/36
All: -4.167+/-0.776 χ²/NDF: 1058.7/71


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
100
110
120
130
140
150
160
170
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -414.417+/-1.939 χ²/NDF:1173.9/18
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -420.954+/-1.926 χ²/NDF:949.7/18
Left: -417.709+/-1.366 χ²/NDF: 2129.4/37
Right: -384.535+/-1.418 χ²/NDF: 9732.7/33
In: -414.760+/-1.411 χ²/NDF:4252.6/34
Out: -389.413+/-1.372 χ²/NDF:7727.5/36
All: -401.734+/-0.984 χ²/NDF: 12145.9/71



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.698+/-1.590 χ^2/NDF:430.6/18

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.764+/-1.599 χ^2/NDF:314.8/18

Left: -114.731+/-1.127 χ^2/NDF: 745.4/37

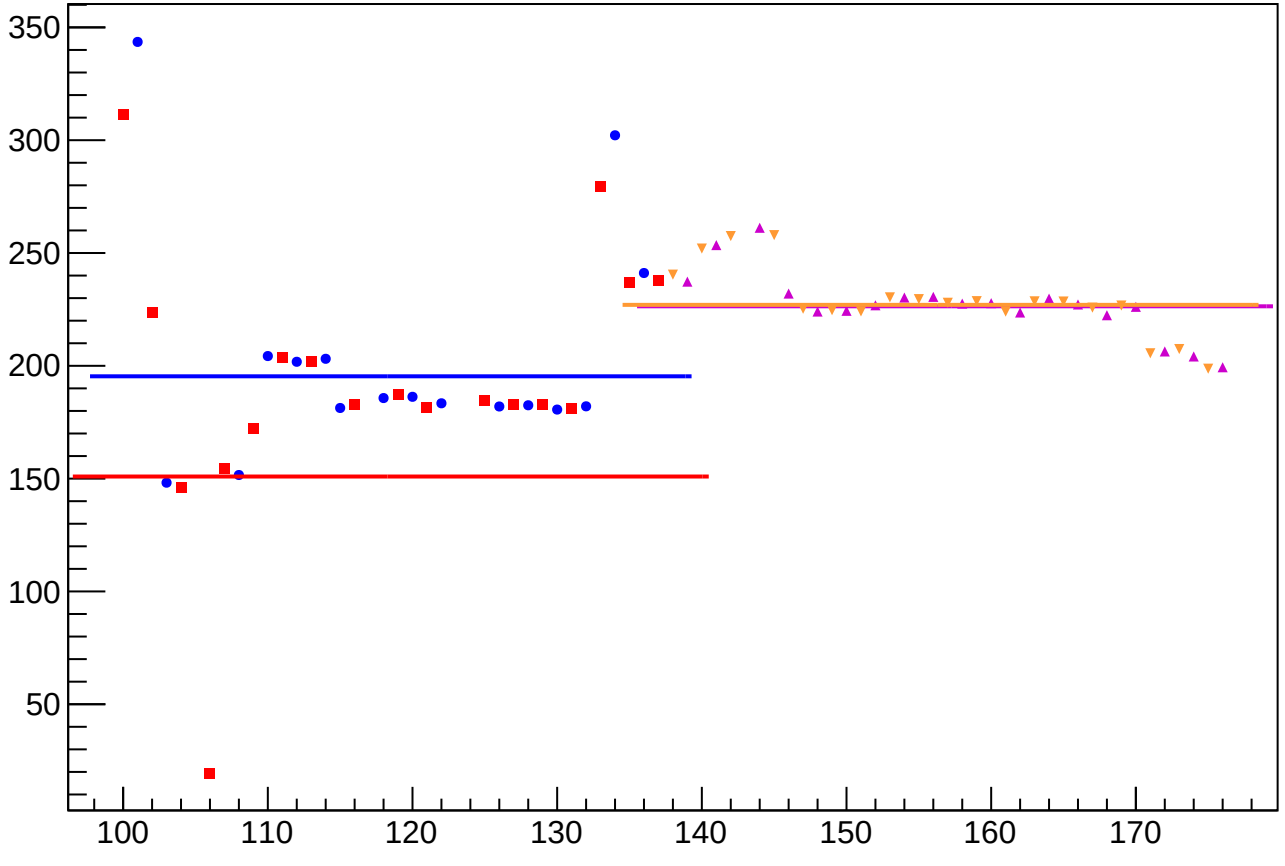
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -115.547+/-1.292 χ^2/NDF:723.3/34

Out: -111.065+/-1.265 χ^2/NDF:1020.0/36

All: -113.259+/-0.904 χ^2/NDF: 1749.4/71

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: 227.019+/-0.075 χ^2/NDF:41302.1/18

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 226.379+/-0.073 χ^2/NDF:37444.6/18

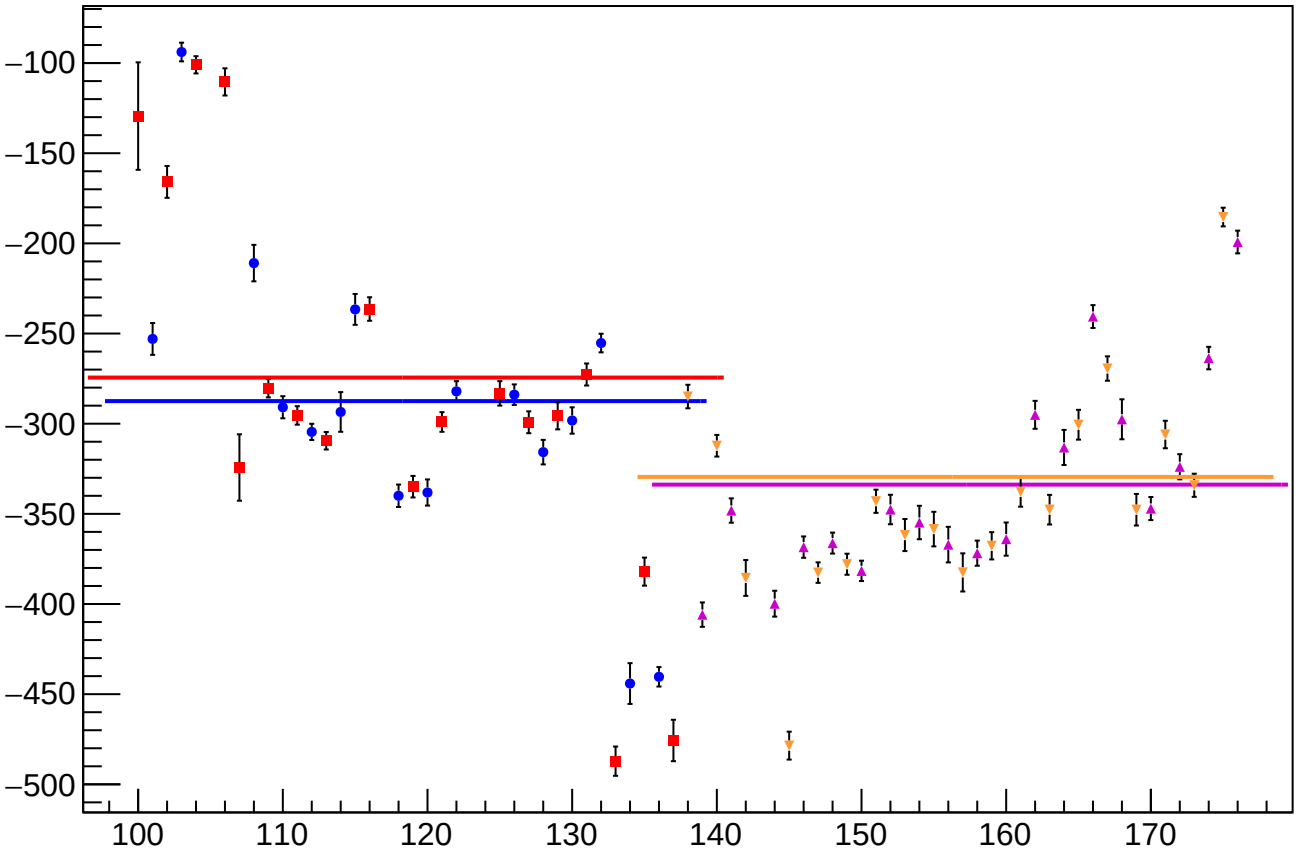
Left: 226.690+/-0.052 χ^2/NDF: 78784.0/37

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 218.443+/-0.063 χ^2/NDF:260548.5/34

Out: 202.917+/-0.062 χ^2/NDF:866424.7/36

All: 210.553+/-0.044 χ^2/NDF: 1157807.4/71



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -329.520+/-1.643 χ^2/NDF:1577.2/18

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -333.794+/-1.627 χ^2/NDF:1244.9/18

Left: -331.678+/-1.156 χ^2/NDF: 2825.5/37

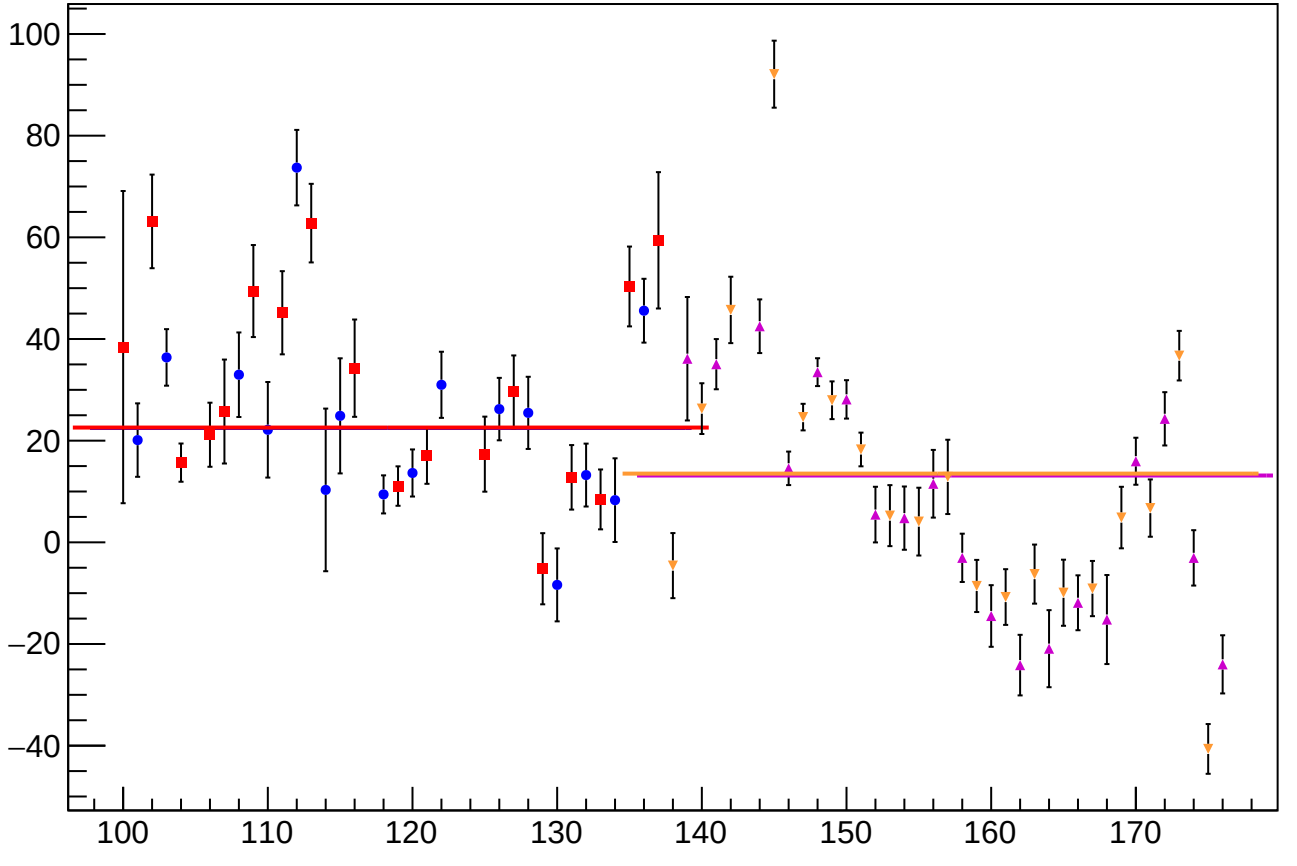
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -310.413+/-1.145 χ^2/NDF:4350.6/34

Out: -300.385+/-1.128 χ^2/NDF:5585.2/36

All: -305.325+/-0.803 χ^2/NDF: 9974.7/71

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: 13.519+/-1.124 χ^2/NDF:448.8/18

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 13.145+/-1.138 χ^2/NDF:308.6/18

Left: 13.334+/-0.800 χ^2/NDF: 757.4/37

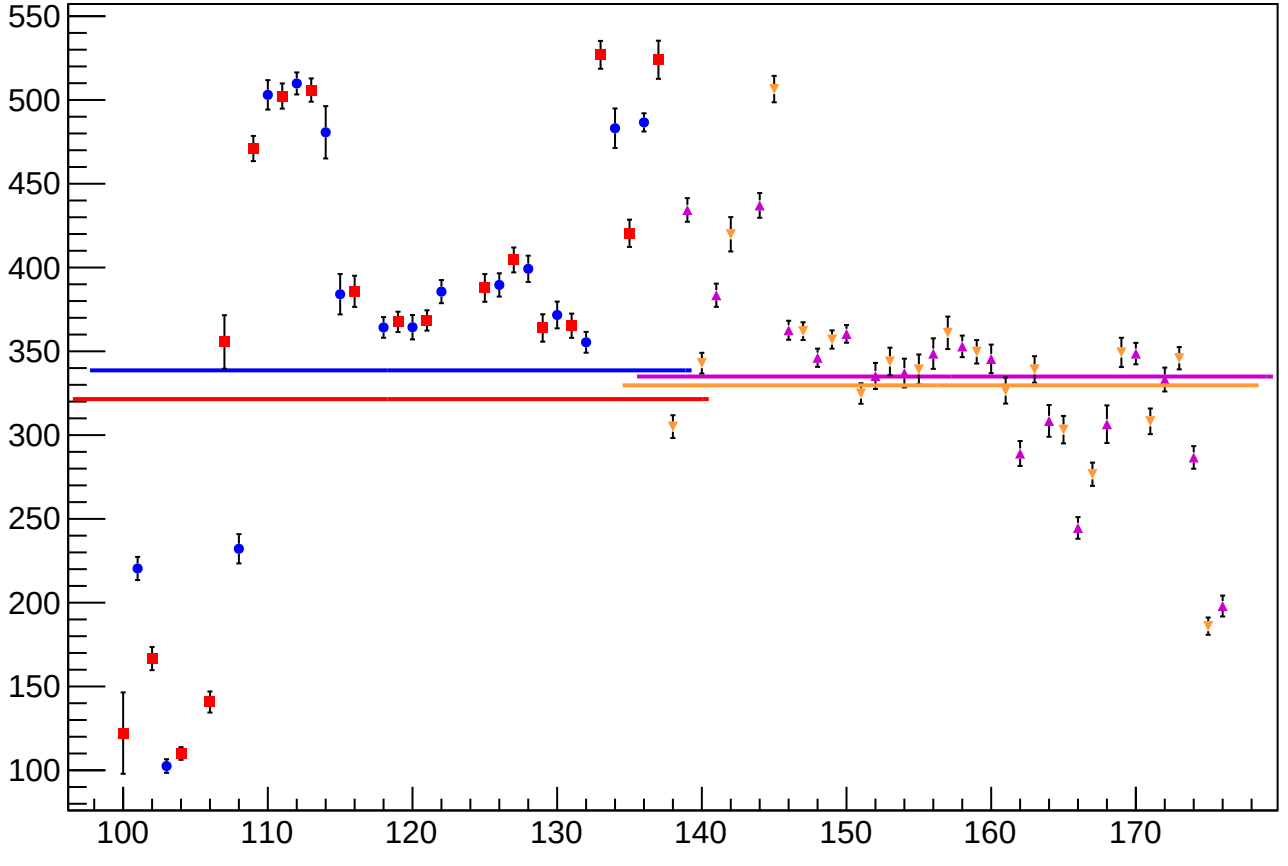
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 16.231+/-0.931 χ^2/NDF:442.3/34

Out: 16.591+/-0.914 χ^2/NDF:594.2/36

All: 16.414+/-0.652 χ^2/NDF: 1036.5/71

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: 329.691+/-1.610 χ^2/NDF:1549.3/18

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 334.955+/-1.595 χ^2/NDF:1289.7/18

Left: 332.347+/-1.133 χ^2/NDF: 2844.3/37

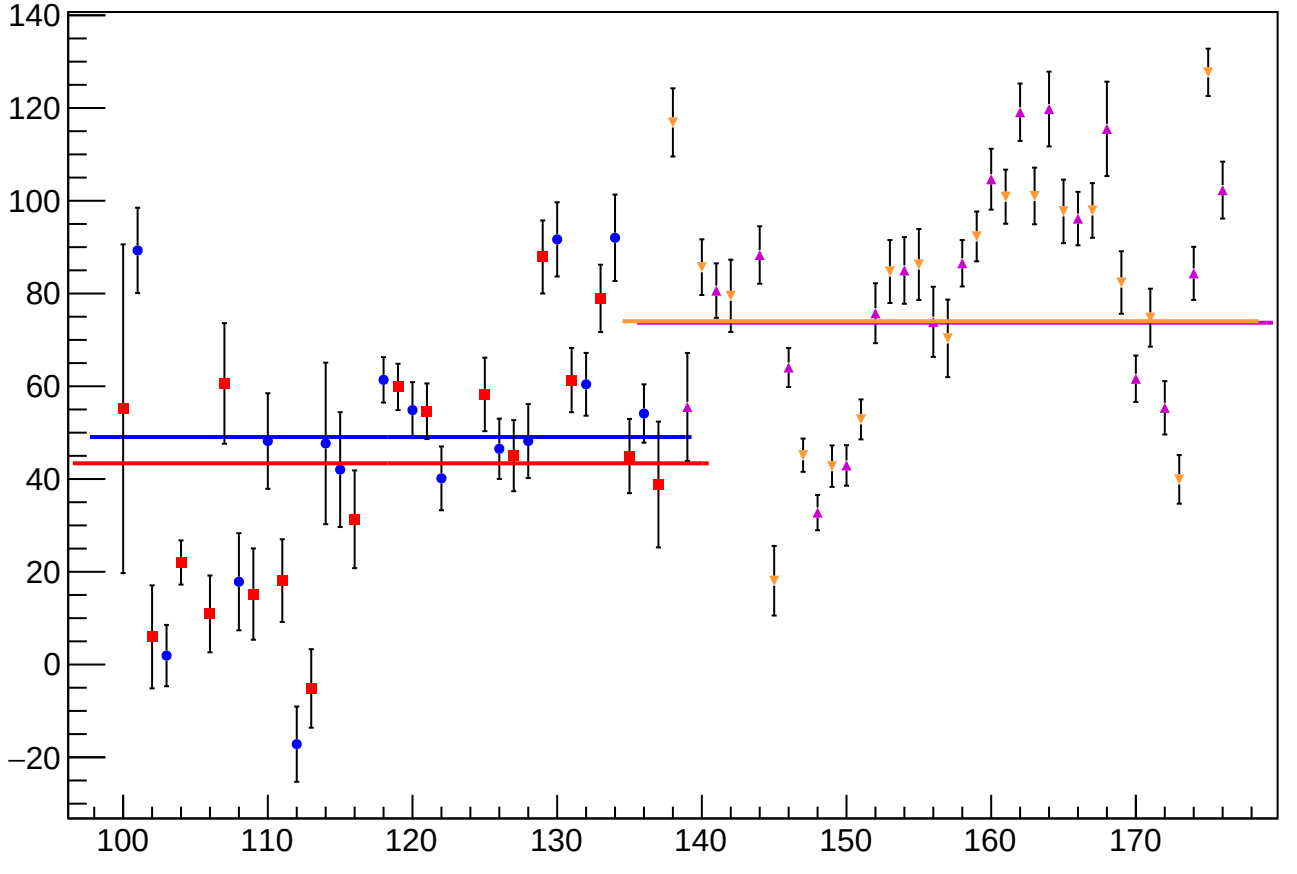
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 336.626+/-1.178 χ^2/NDF:7334.7/34

Out: 325.805+/-1.167 χ^2/NDF:9282.3/36

All: 331.163+/-0.829 χ^2/NDF: 16659.7/71

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.033+/-1.315 χ^2/NDF:471.8/18

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.706+/-1.322 χ^2/NDF:370.5/18

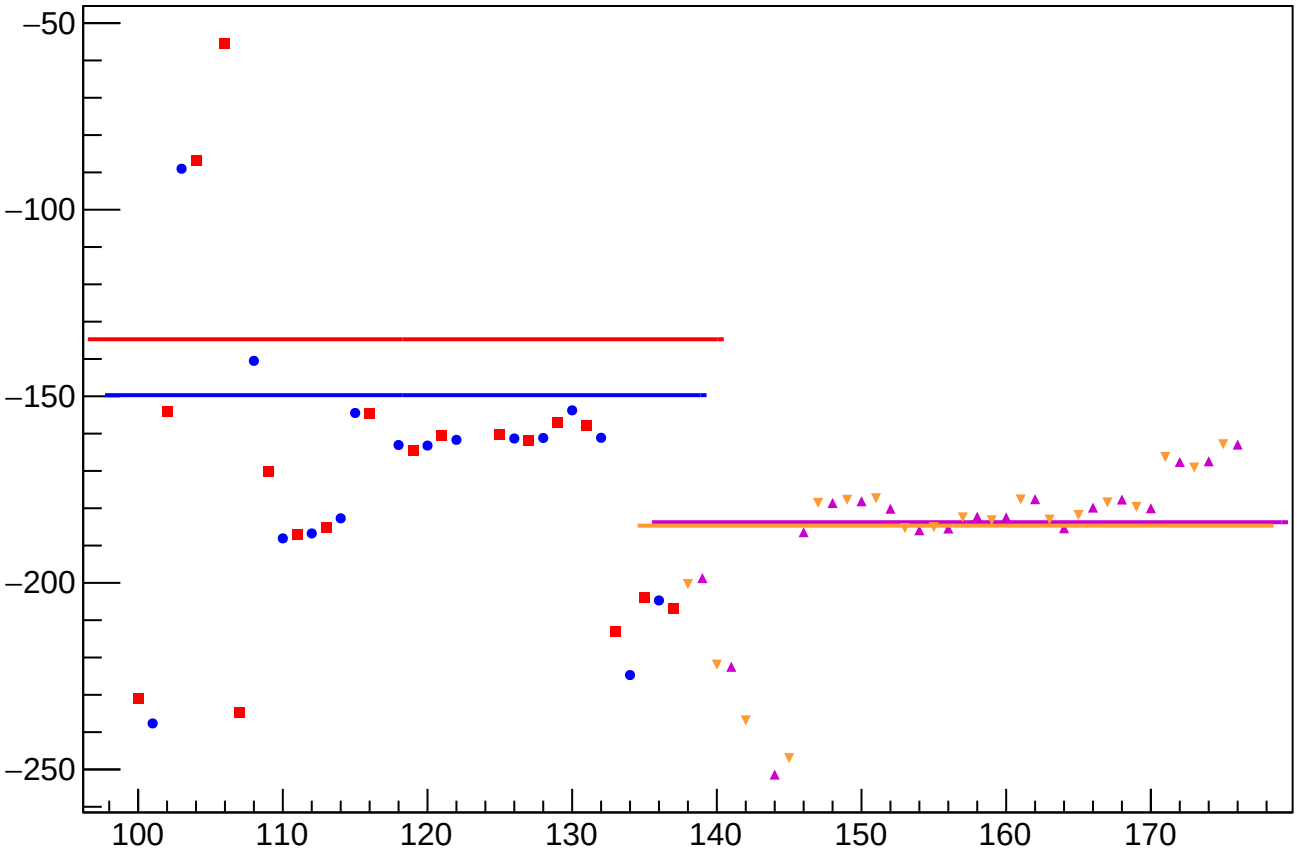
Left: 73.870+/-0.932 χ^2/NDF: 842.3/37

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 65.566+/-1.082 χ^2/NDF:693.3/34

Out: 63.629+/-1.069 χ^2/NDF:836.2/36

All: 64.586+/-0.760 χ^2/NDF: 1531.2/71



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -184.666+/-0.062 χ^2/NDF:98804.2/18

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -183.744+/-0.060 χ^2/NDF:81974.4/18

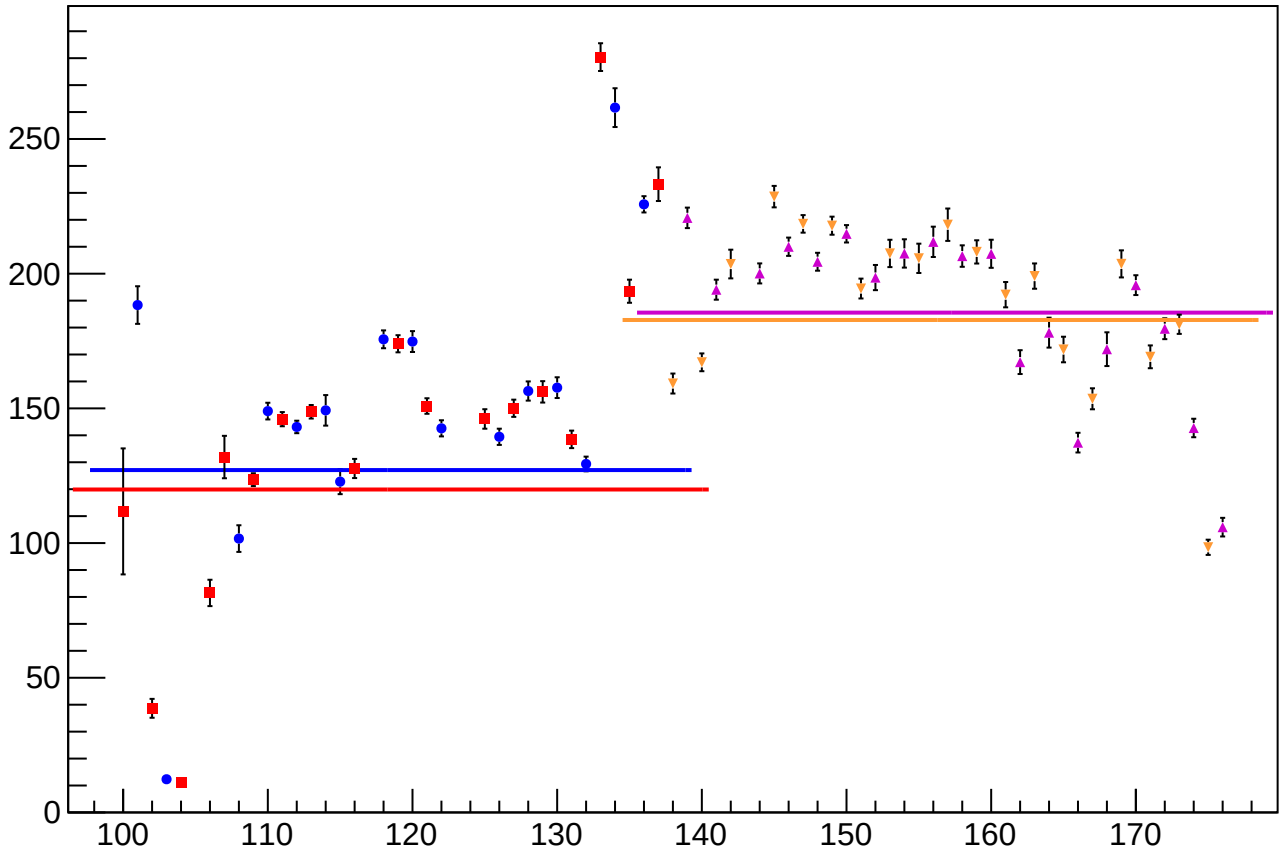
Left: -184.192+/-0.043 χ^2/NDF: 180892.2/37

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.768+/-0.052 χ^2/NDF:422417.4/34

Out: -170.161+/-0.052 χ^2/NDF:599641.7/36

All: -172.487+/-0.037 χ^2/NDF: 1025981.1/71



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 182.813+/-0.923 χ^2/NDF:1556.0/18

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 185.546+/-0.915 χ^2/NDF:1259.3/18

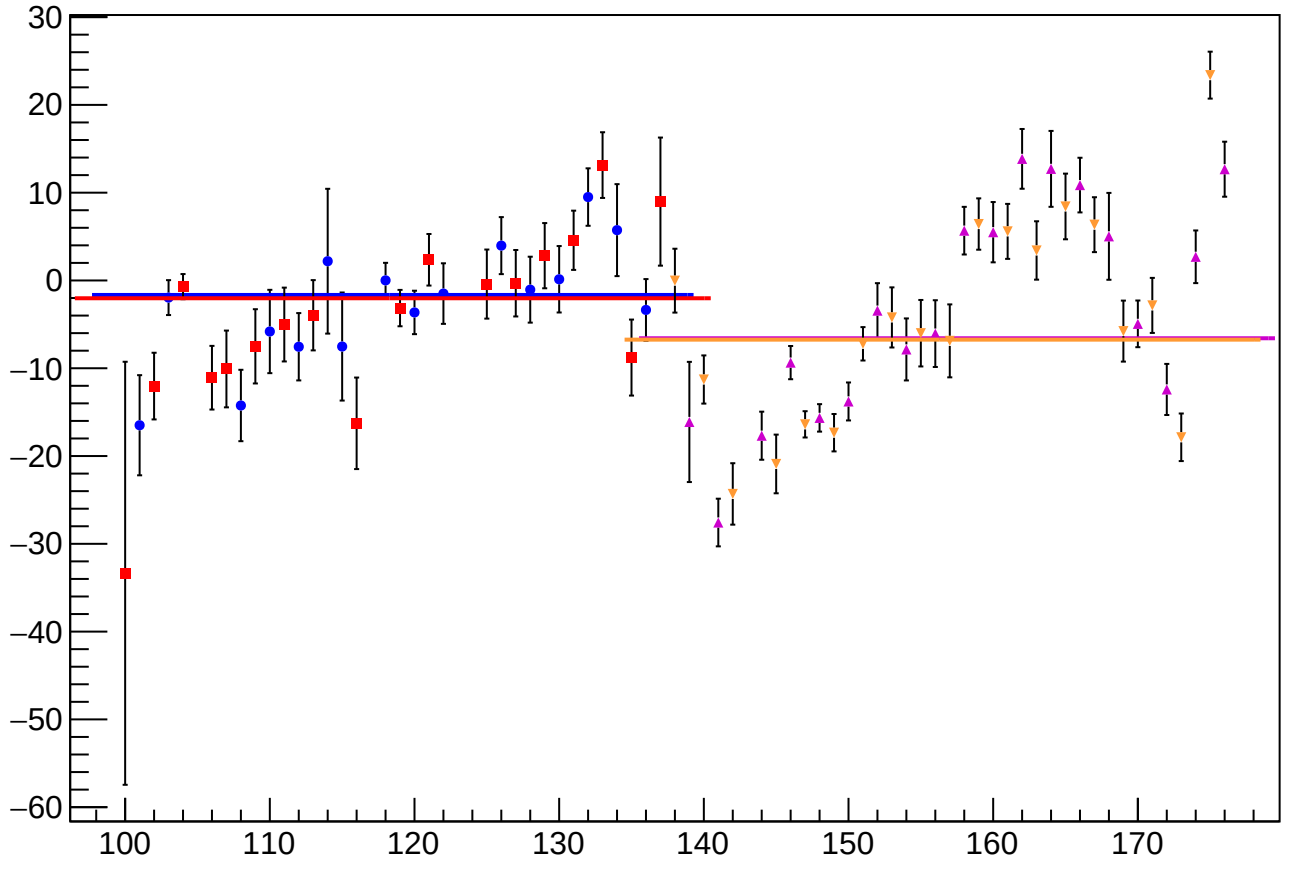
Left: 184.191+/-0.650 χ^2/NDF: 2819.7/37

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.796+/-0.607 χ^2/NDF:9707.0/34

Out: 145.873+/-0.593 χ^2/NDF:10933.7/36

All: 149.255+/-0.424 χ^2/NDF: 20707.2/71



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.741+/-0.635 χ^2/NDF:340.9/18

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -6.584+/-0.643 χ^2/NDF:303.6/18

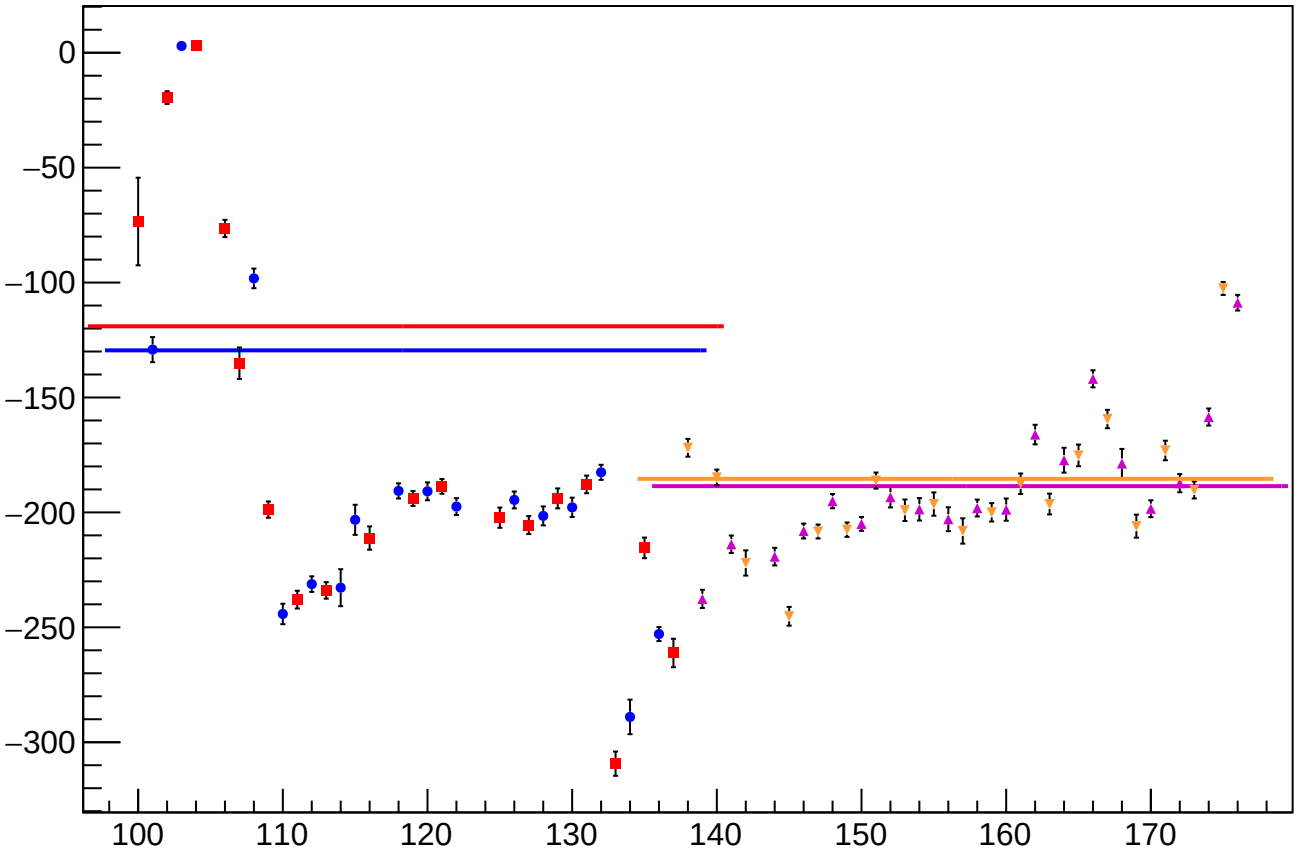
Left: -6.663+/-0.452 χ^2/NDF: 644.5/37

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.742+/-0.509 χ^2/NDF:364.6/34

Out: -4.833+/-0.490 χ^2/NDF:421.7/36

All: -4.789+/-0.353 χ^2/NDF: 786.4/71



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -185.390+/-0.906 χ^2/NDF:1366.3/18

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -188.574+/-0.899 χ^2/NDF:1167.1/18

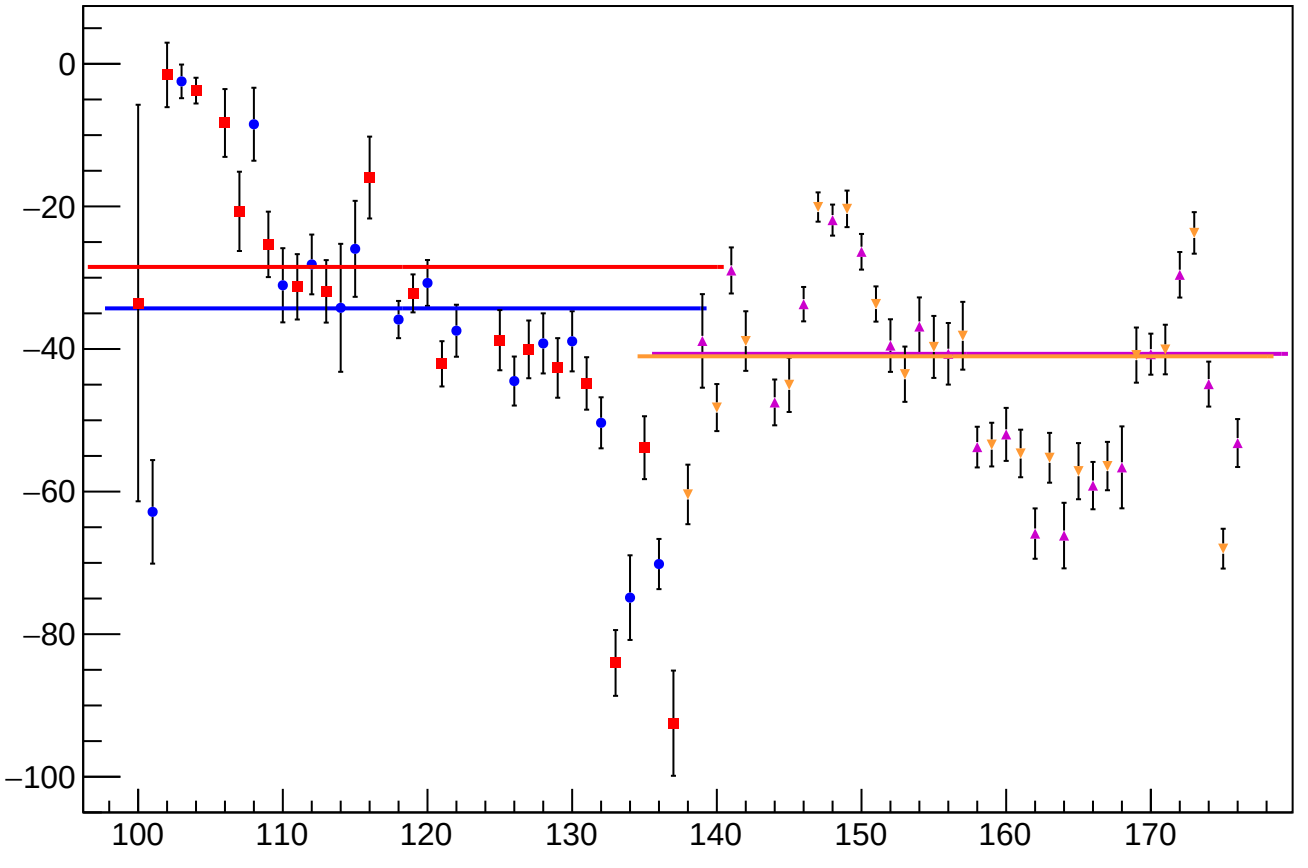
Left: -186.994+/-0.638 χ^2/NDF: 2539.7/37

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

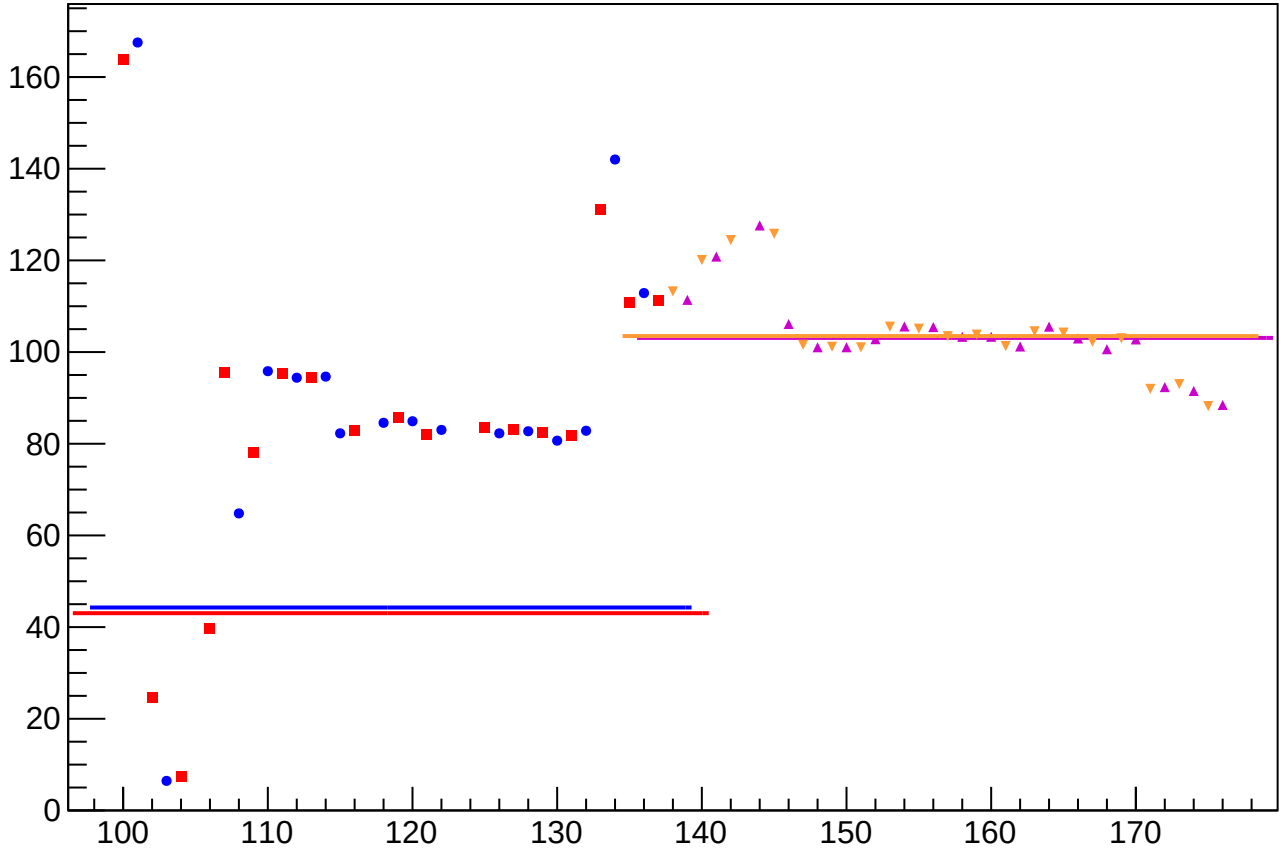
In: -157.261+/-0.616 χ^2/NDF:18144.6/34

Out: -148.632+/-0.605 χ^2/NDF:20518.3/36

All: -152.867+/-0.432 χ^2/NDF: 38762.7/71


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -41.024+/-0.742 χ²/NDF:422.1/18
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -40.679+/-0.746 χ²/NDF:312.2/18
Left: -40.853+/-0.526 χ²/NDF: 734.4/37
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -38.301+/-0.591 χ²/NDF:750.7/34
Out: -35.999+/-0.574 χ²/NDF:1104.6/36
All: -37.117+/-0.412 χ²/NDF: 1863.1/71

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: 103.491+/-0.035 χ^2/NDF:71656.6/18

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.091+/-0.034 χ^2/NDF:63010.7/18

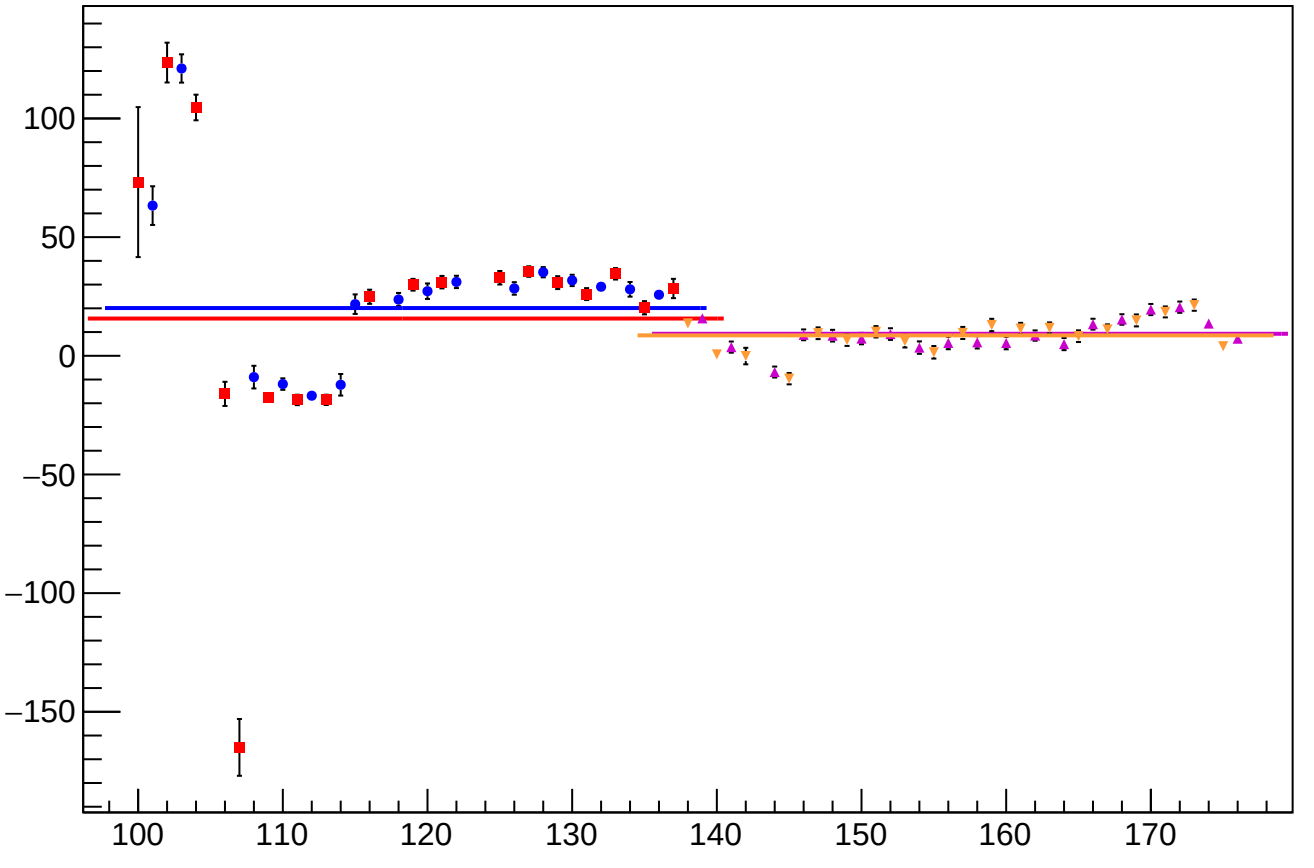
Left: 103.286+/-0.024 χ^2/NDF: 134734.7/37

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.655+/-0.027 χ^2/NDF:2236656.7/34

Out: 80.756+/-0.028 χ^2/NDF:2001147.0/36

All: 81.213+/-0.019 χ^2/NDF: 4238342.3/71



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.612+/-0.542 χ^2/NDF:162.3/18

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.278+/-0.535 χ^2/NDF:136.9/18

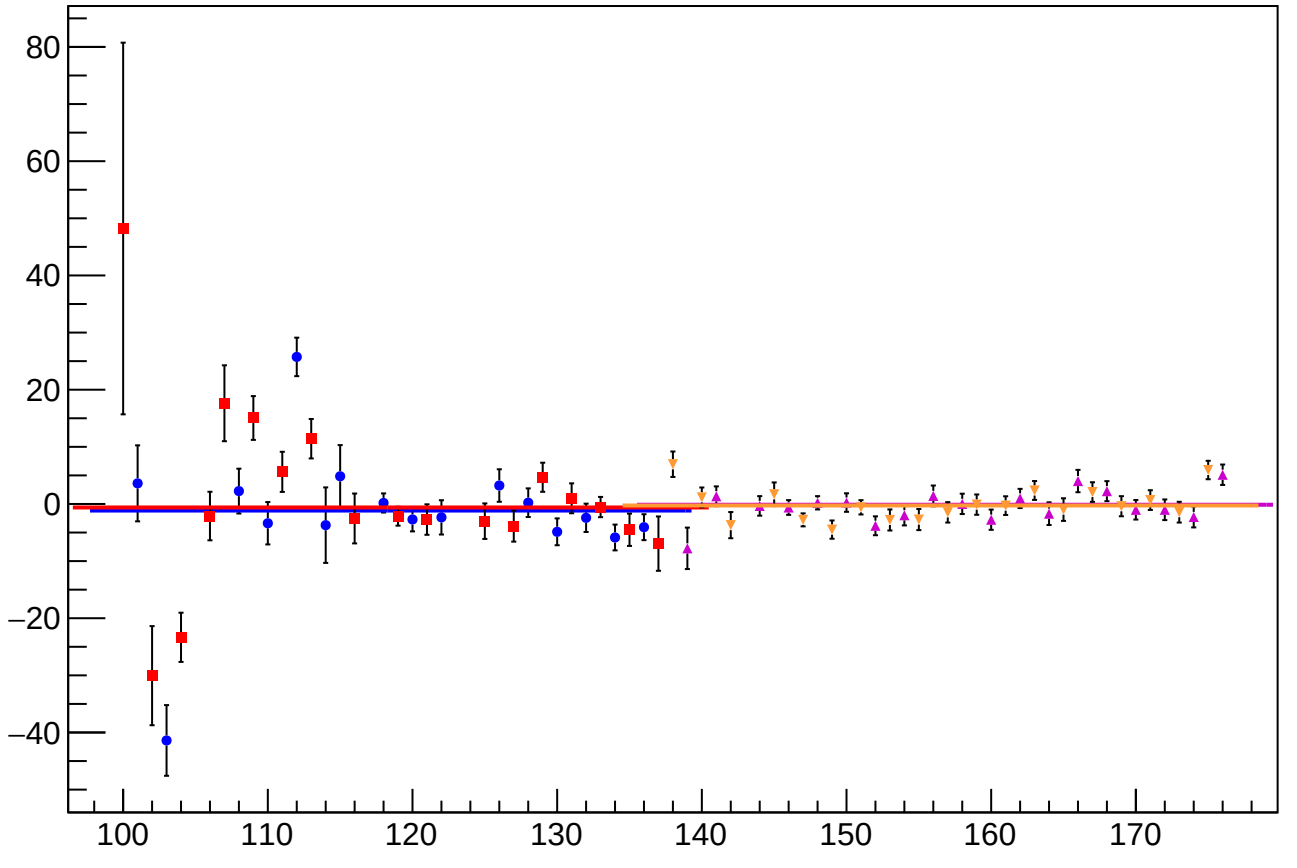
Left: 8.949+/-0.381 χ^2/NDF: 300.0/37

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.370+/-0.422 χ^2/NDF:1340.0/34

Out: 11.354+/-0.424 χ^2/NDF:2002.3/36

All: 12.367+/-0.299 χ^2/NDF: 3353.6/71



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.265+/-0.388 χ^2/NDF:50.5/18

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.136+/-0.391 χ^2/NDF:32.3/18

Left: -0.201+/-0.275 χ^2/NDF: 82.8/37

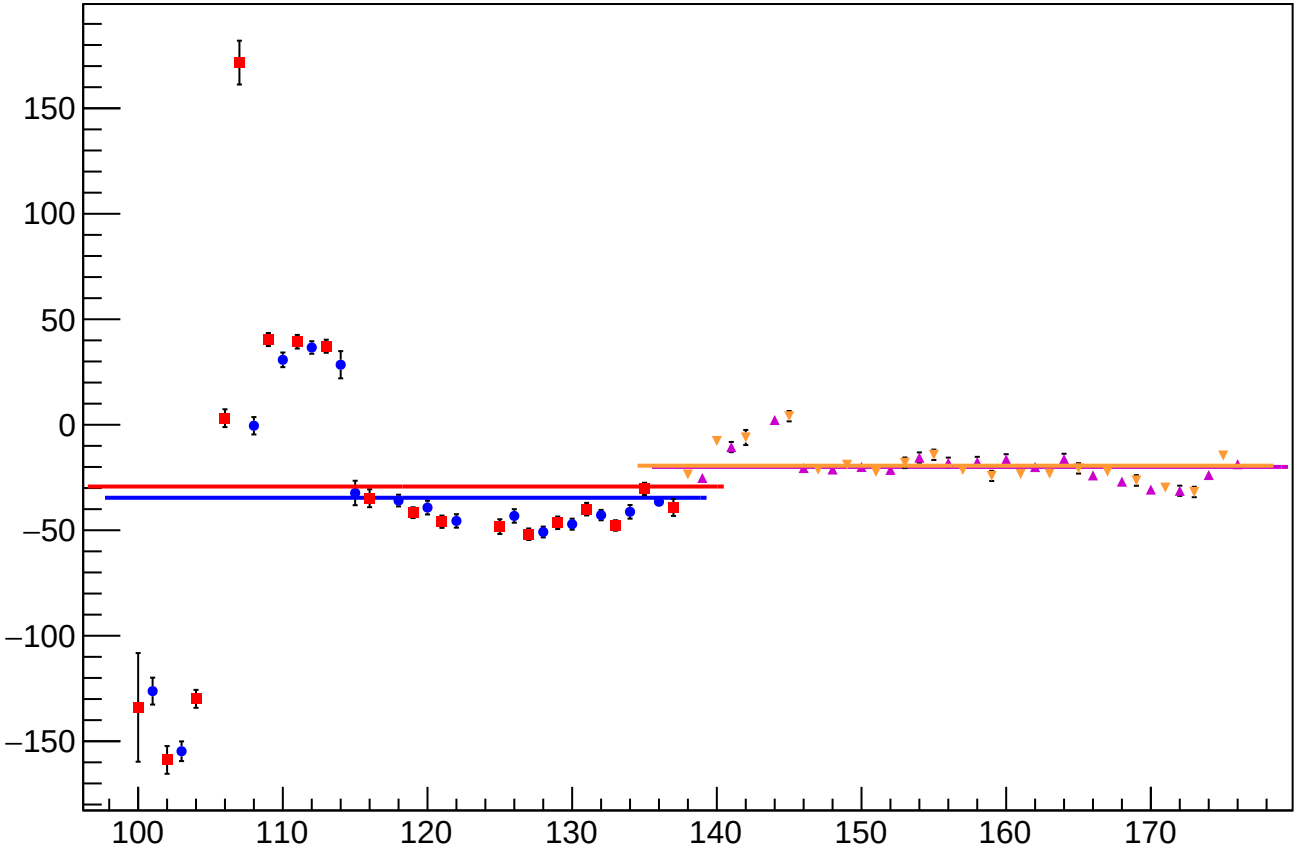
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.378+/-0.341 χ^2/NDF:155.7/34

Out: -0.345+/-0.341 χ^2/NDF:144.0/36

All: -0.361+/-0.241 χ^2/NDF: 299.8/71

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.397+/-0.532 χ^2/NDF:220.8/18

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.980+/-0.526 χ^2/NDF:177.6/18

Left: -19.692+/-0.374 χ^2/NDF: 399.0/37

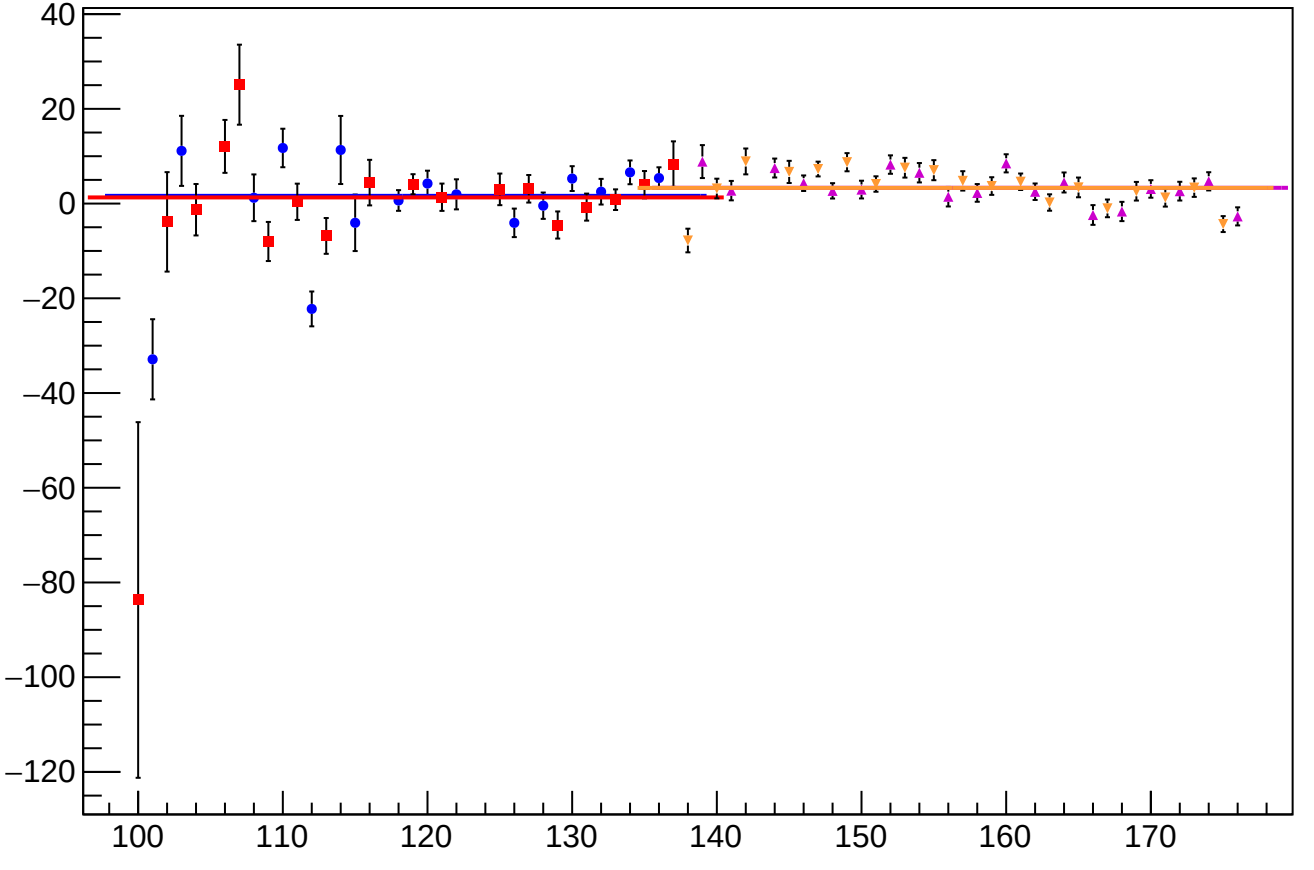
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.504+/-0.437 χ^2/NDF:2474.8/34

Out: -22.425+/-0.443 χ^2/NDF:3407.7/36

All: -23.477+/-0.311 χ^2/NDF: 5893.6/71

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: 3.313+/-0.444 χ^2/NDF:79.7/18

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.328+/-0.446 χ^2/NDF:49.5/18

Left: 3.321+/-0.315 χ^2/NDF: 129.2/37

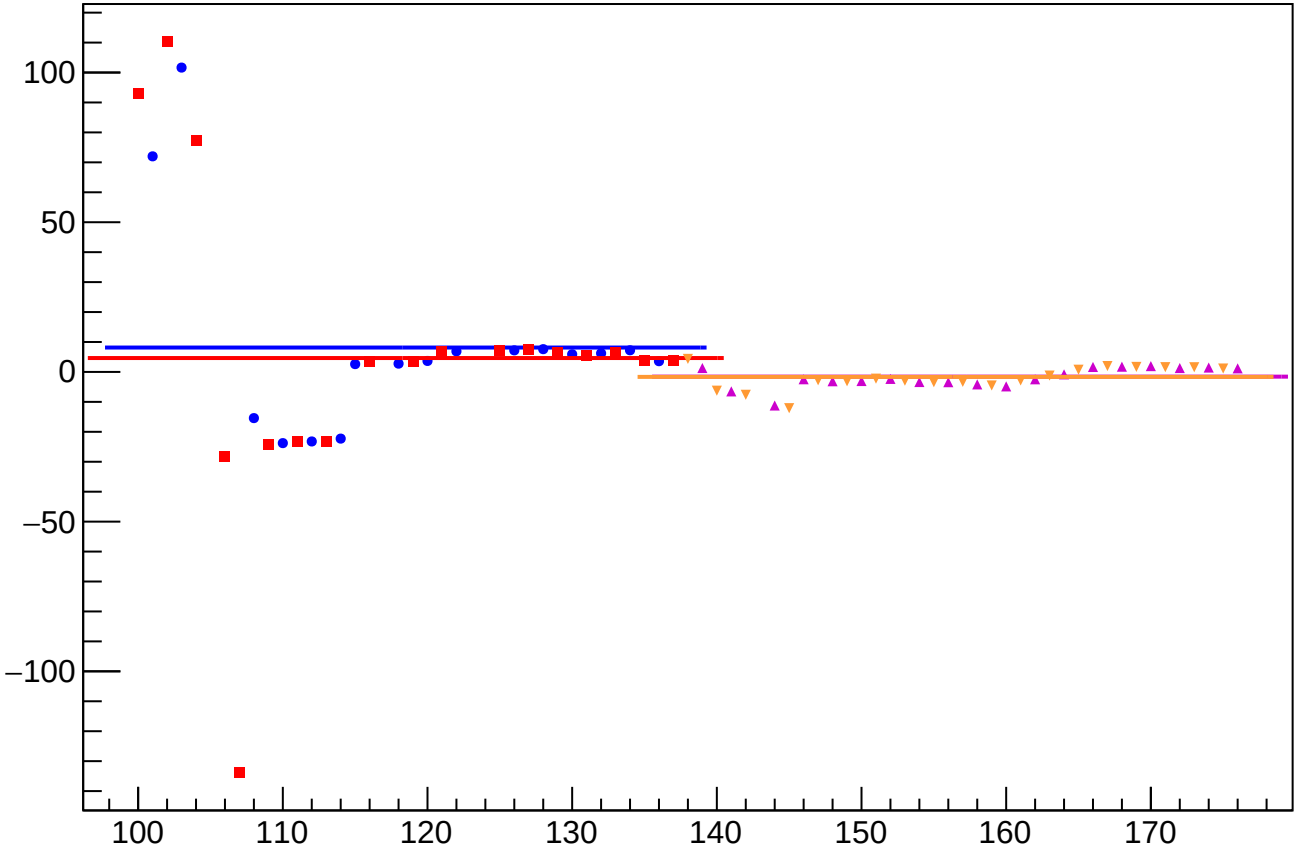
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.923+/-0.389 χ^2/NDF:136.3/34

Out: 2.854+/-0.390 χ^2/NDF:121.9/36

All: 2.888+/-0.275 χ^2/NDF: 258.2/71

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.655+/-0.020 χ^2/NDF:32289.4/18

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.574+/-0.019 χ^2/NDF:25420.2/18

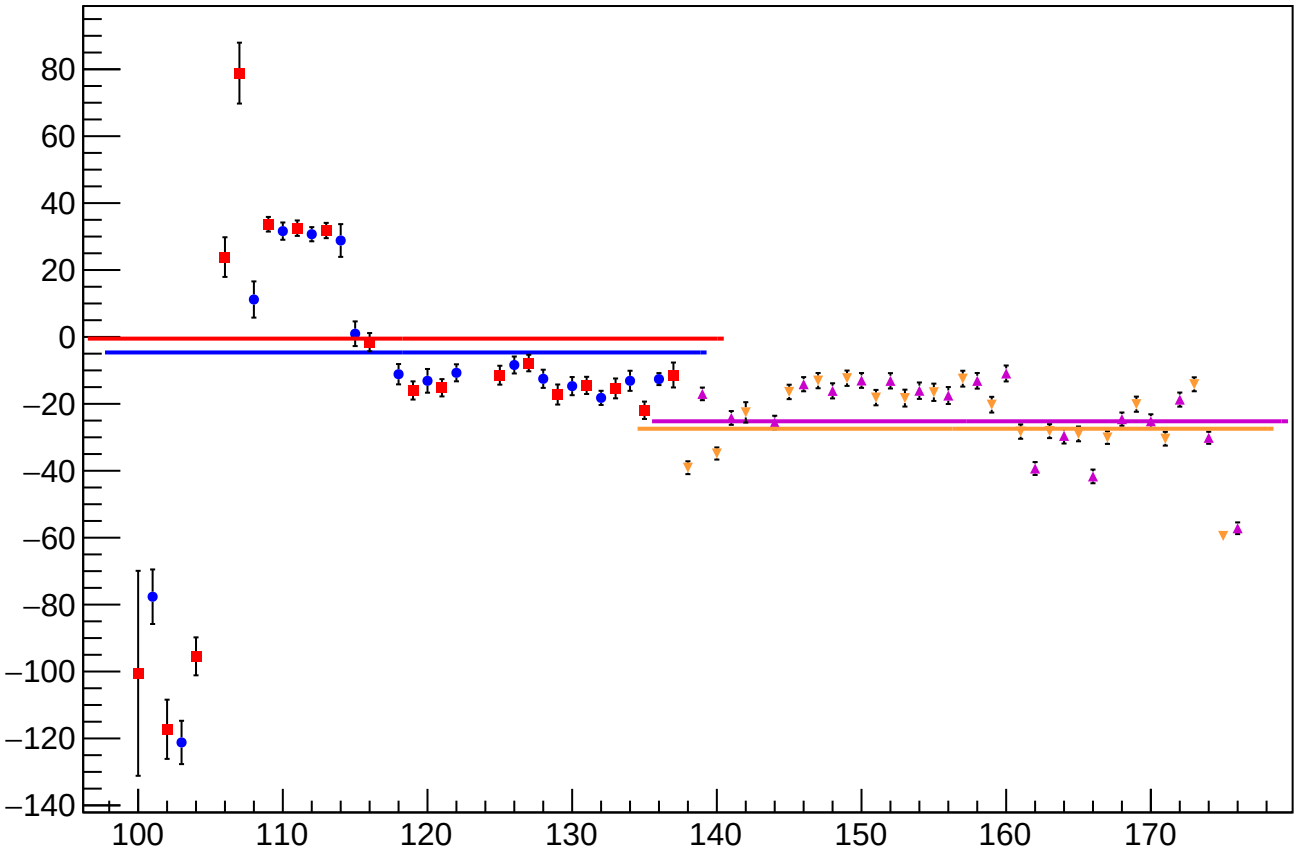
Left: -1.614+/-0.014 χ^2/NDF: 57718.0/37

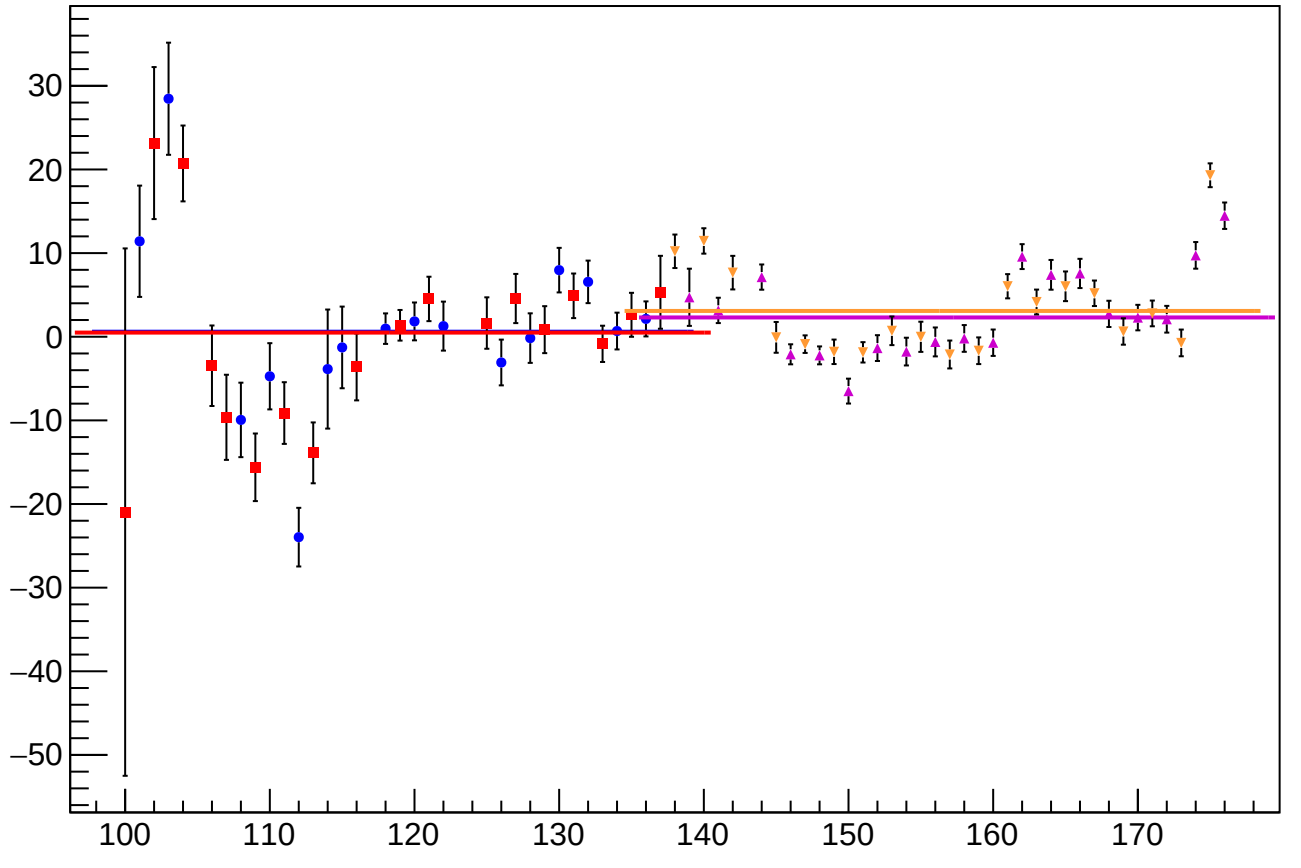
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.216+/-0.018 χ^2/NDF:373508.1/34

Out: -0.835+/-0.019 χ^2/NDF:491989.8/36

All: -0.516+/-0.013 χ^2/NDF: 866066.4/71


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -4.640+/-0.712 χ²/NDF: 1046.3/15
Left Out: -27.436+/-0.490 χ²/NDF:774.7/18
Right Out: -0.505+/-0.711 χ²/NDF: 1457.8/17
Left In: -25.209+/-0.483 χ²/NDF:679.5/18
Left: -26.307+/-0.344 χ²/NDF: 1464.7/37
Right: -2.571+/-0.503 χ²/NDF: 2521.0/33
In: -18.716+/-0.400 χ²/NDF:2297.6/34
Out: -18.762+/-0.403 χ²/NDF:3205.5/36
All: -18.739+/-0.284 χ²/NDF: 5503.2/71



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.085+/-0.352 χ^2/NDF:263.9/18

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.306+/-0.353 χ^2/NDF:220.5/18

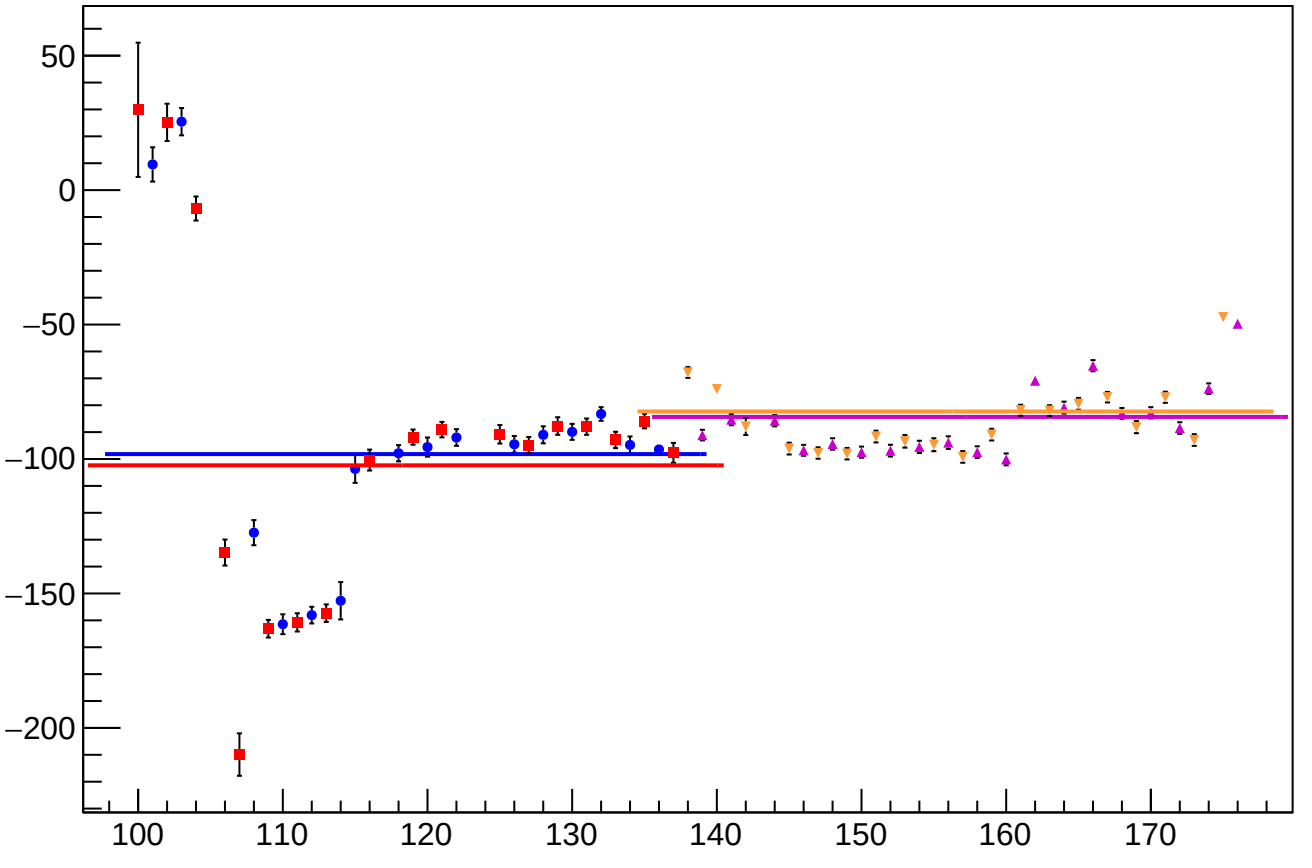
Left: 2.697+/-0.249 χ^2/NDF: 486.9/37

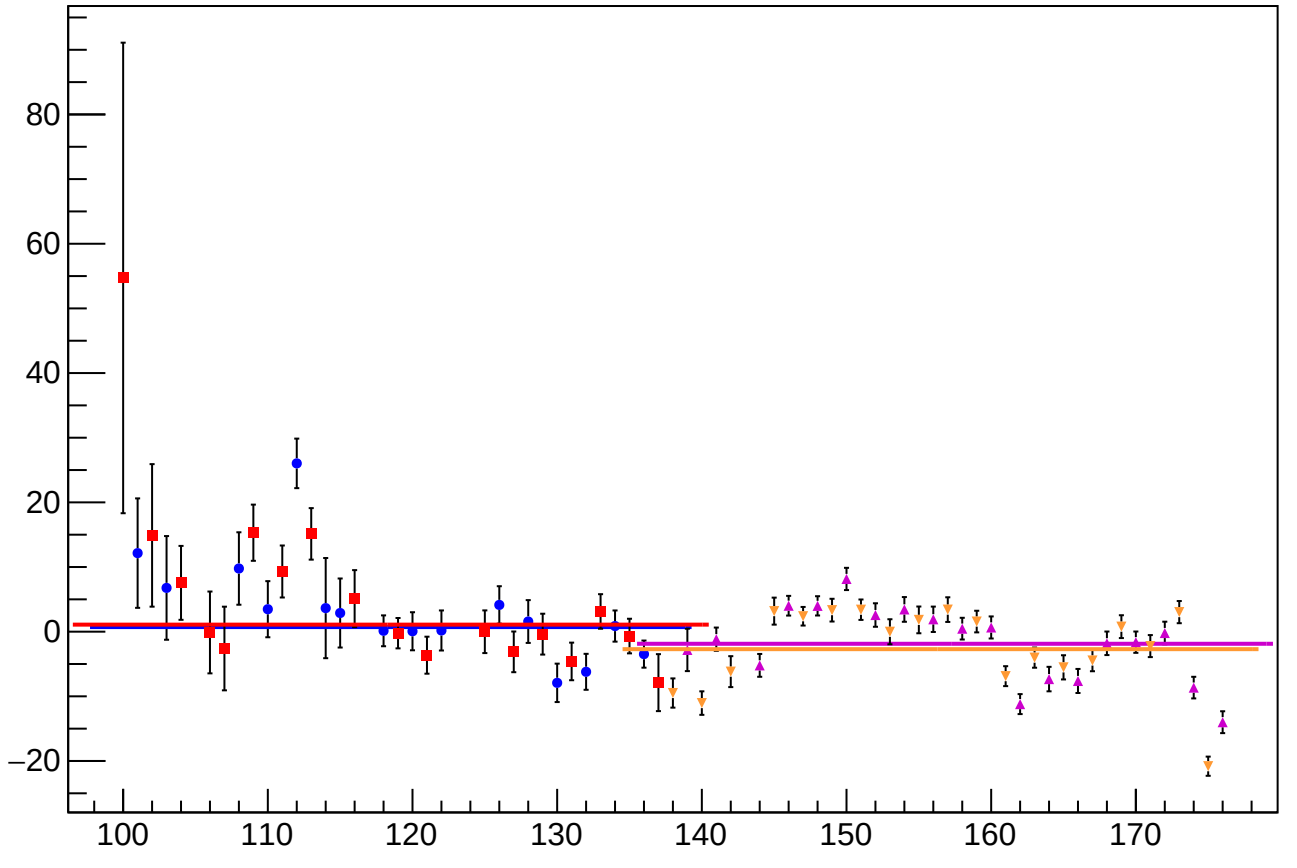
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.980+/-0.318 χ^2/NDF:317.8/34

Out: 2.622+/-0.319 χ^2/NDF:353.8/36

All: 2.300+/-0.225 χ^2/NDF: 673.6/71


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -98.168+/-0.813 χ²/NDF: 1699.9/15
Left Out: -82.323+/-0.482 χ²/NDF:961.6/18
Right Out: -102.349+/-0.837 χ²/NDF: 2117.5/17
Left In: -84.346+/-0.476 χ²/NDF:848.0/18
Left: -83.347+/-0.338 χ²/NDF: 1818.6/37
Right: -100.197+/-0.583 χ²/NDF: 3830.3/33
In: -87.875+/-0.411 χ²/NDF:2763.4/34
Out: -87.304+/-0.417 χ²/NDF:3509.2/36
All: -87.594+/-0.293 χ²/NDF: 6273.5/71



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.705+/-0.402 χ^2/NDF:278.4/18

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.872+/-0.403 χ^2/NDF:212.9/18

Left: -2.289+/-0.285 χ^2/NDF: 493.4/37

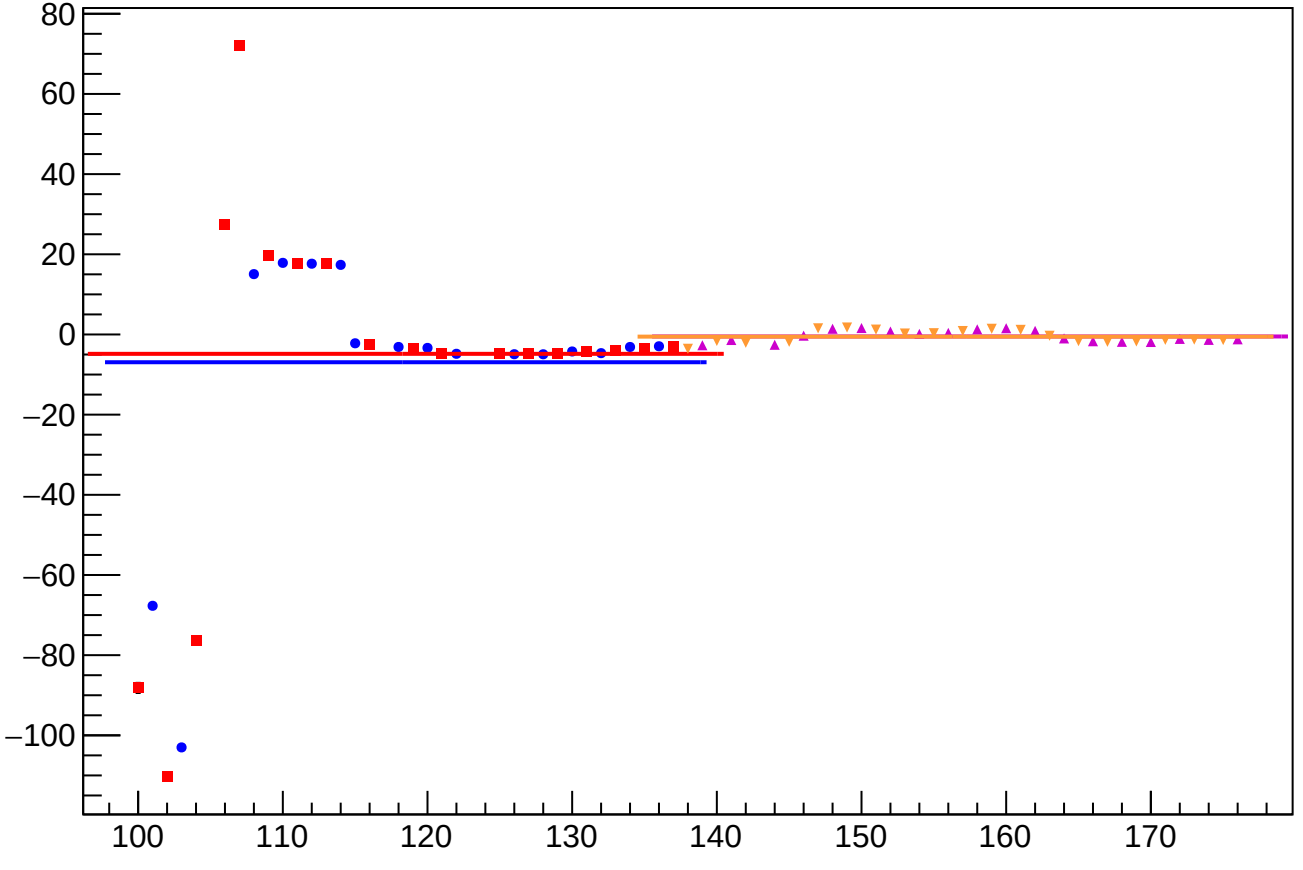
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -1.371+/-0.362 χ^2/NDF:290.5/34

Out: -2.020+/-0.364 χ^2/NDF:342.1/36

All: -1.693+/-0.257 χ^2/NDF: 634.2/71

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: -0.538+/-0.018 χ^2/NDF:6498.4/18

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.499+/-0.018 χ^2/NDF:6109.8/18

Left: -0.518+/-0.013 χ^2/NDF: 12610.5/37

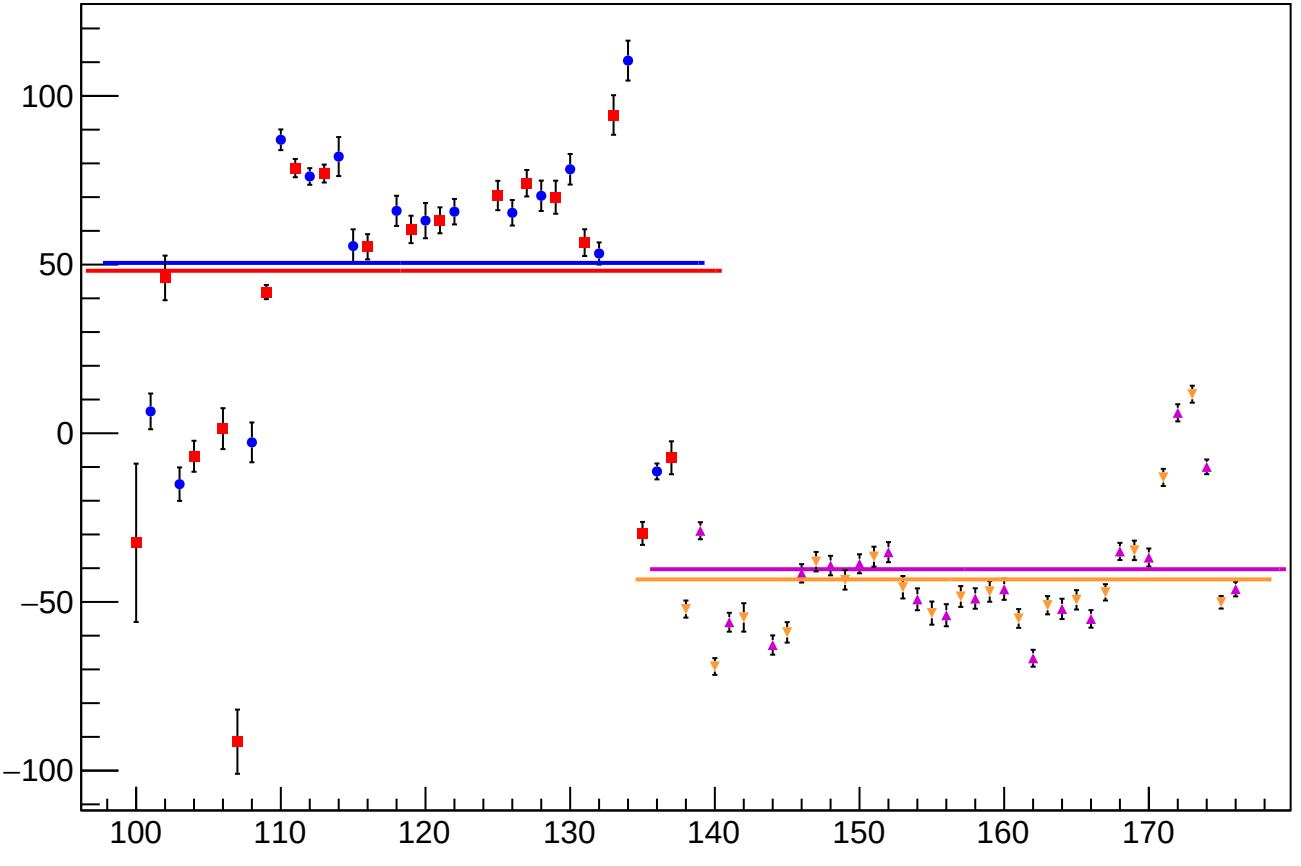
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.250+/-0.017 χ^2/NDF:286789.9/34

Out: -0.992+/-0.017 χ^2/NDF:351777.6/36

All: -1.126+/-0.012 χ^2/NDF: 638684.3/71

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: -43.314+/-0.632 χ^2/NDF:848.9/18

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.297+/-0.622 χ^2/NDF:851.3/18

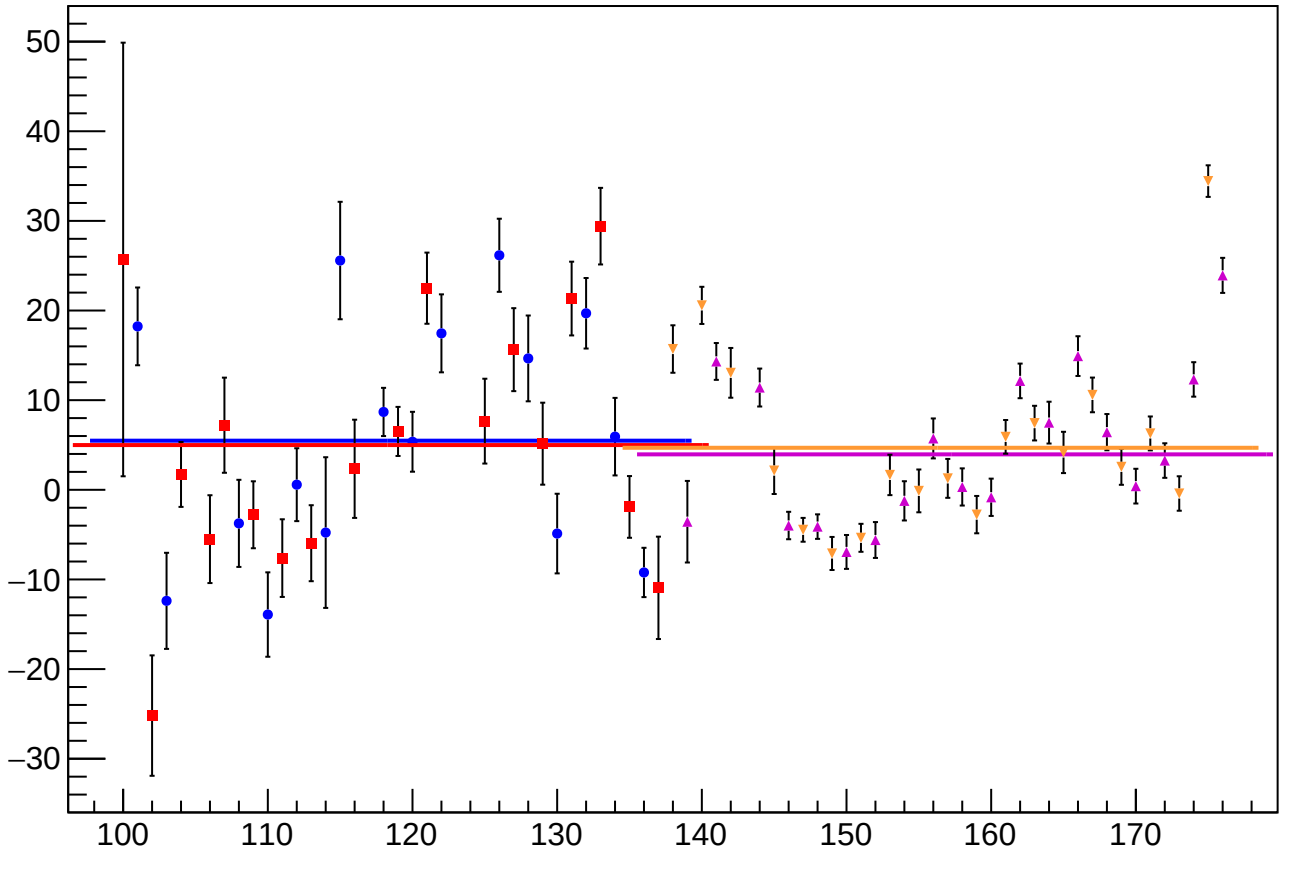
Left: -41.781+/-0.443 χ^2/NDF: 1711.8/37

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -13.686+/-0.523 χ^2/NDF:8609.4/34

Out: -13.754+/-0.520 χ^2/NDF:9145.8/36

All: -13.720+/-0.369 χ^2/NDF: 17755.2/71



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 4.689+/-0.453 χ^2/NDF:542.6/18

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 3.954+/-0.454 χ^2/NDF:345.7/18

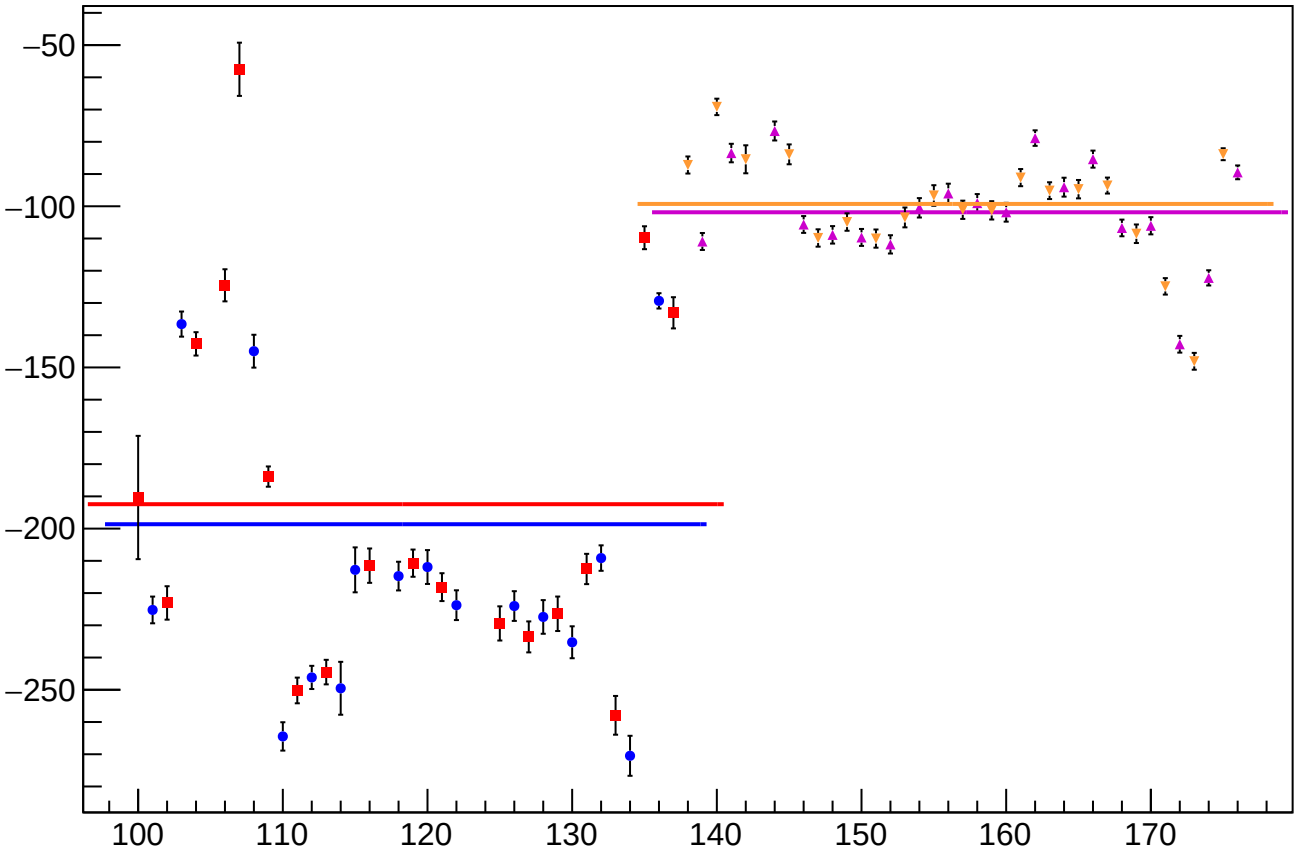
Left: 4.323+/-0.321 χ^2/NDF: 889.6/37

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 4.207+/-0.415 χ^2/NDF:485.8/34

Out: 4.739+/-0.414 χ^2/NDF:674.5/36

All: 4.473+/-0.293 χ^2/NDF: 1161.0/71



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -99.275+/-0.621 χ^2/NDF:782.2/18

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.863+/-0.612 χ^2/NDF:660.9/18

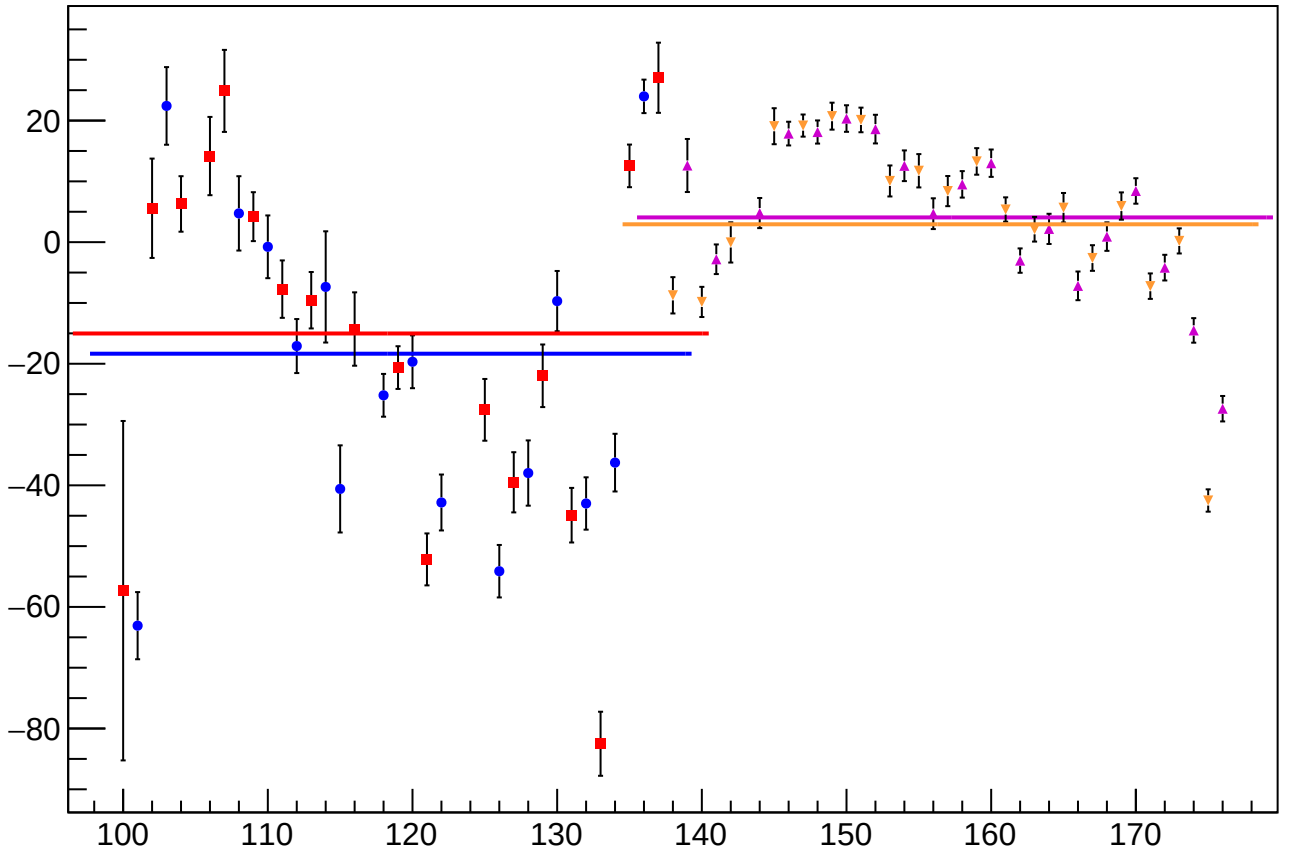
Left: -100.587+/-0.436 χ^2/NDF: 1451.8/37

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

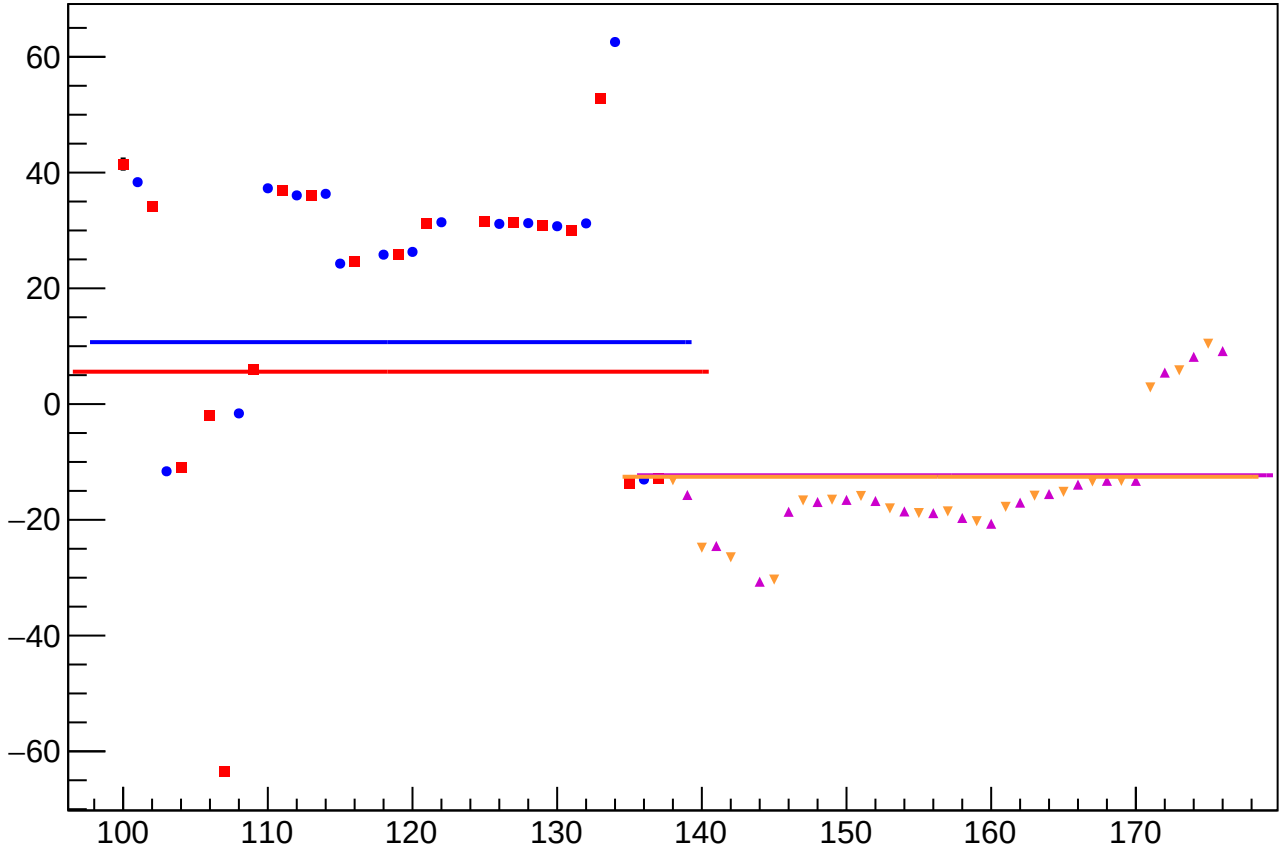
In: -125.300+/-0.533 χ^2/NDF:8710.3/34

Out: -122.420+/-0.538 χ^2/NDF:8514.7/36

All: -123.874+/-0.379 χ^2/NDF: 17239.4/71


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -18.348+/-1.159 χ²/NDF: 543.9/15
Left Out: 2.940+/-0.518 χ²/NDF:982.6/18
Right Out: -15.021+/-1.162 χ²/NDF: 546.4/17
Left In: 4.069+/-0.518 χ²/NDF:611.0/18
Left: 3.504+/-0.366 χ²/NDF: 1595.9/37
Right: -16.688+/-0.821 χ²/NDF: 1094.5/33
In: 0.343+/-0.473 χ²/NDF:1466.6/34
Out: -0.034+/-0.473 χ²/NDF:1728.4/36
All: 0.155+/-0.334 χ²/NDF: 3195.4/71

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: -12.557+/-0.023 χ^2/NDF:209026.5/18

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -12.302+/-0.023 χ^2/NDF:228020.9/18

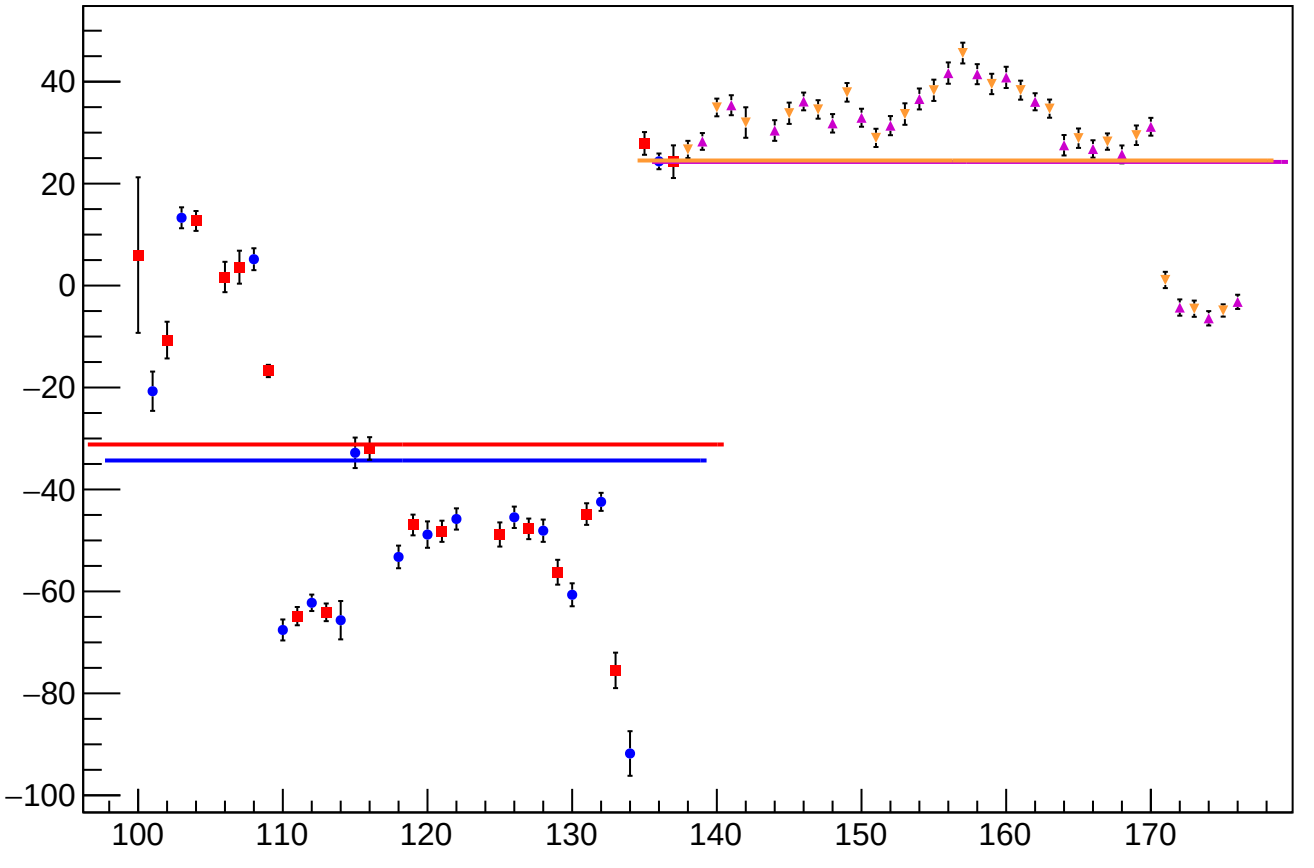
Left: -12.425+/-0.016 χ^2/NDF: 437108.9/37

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

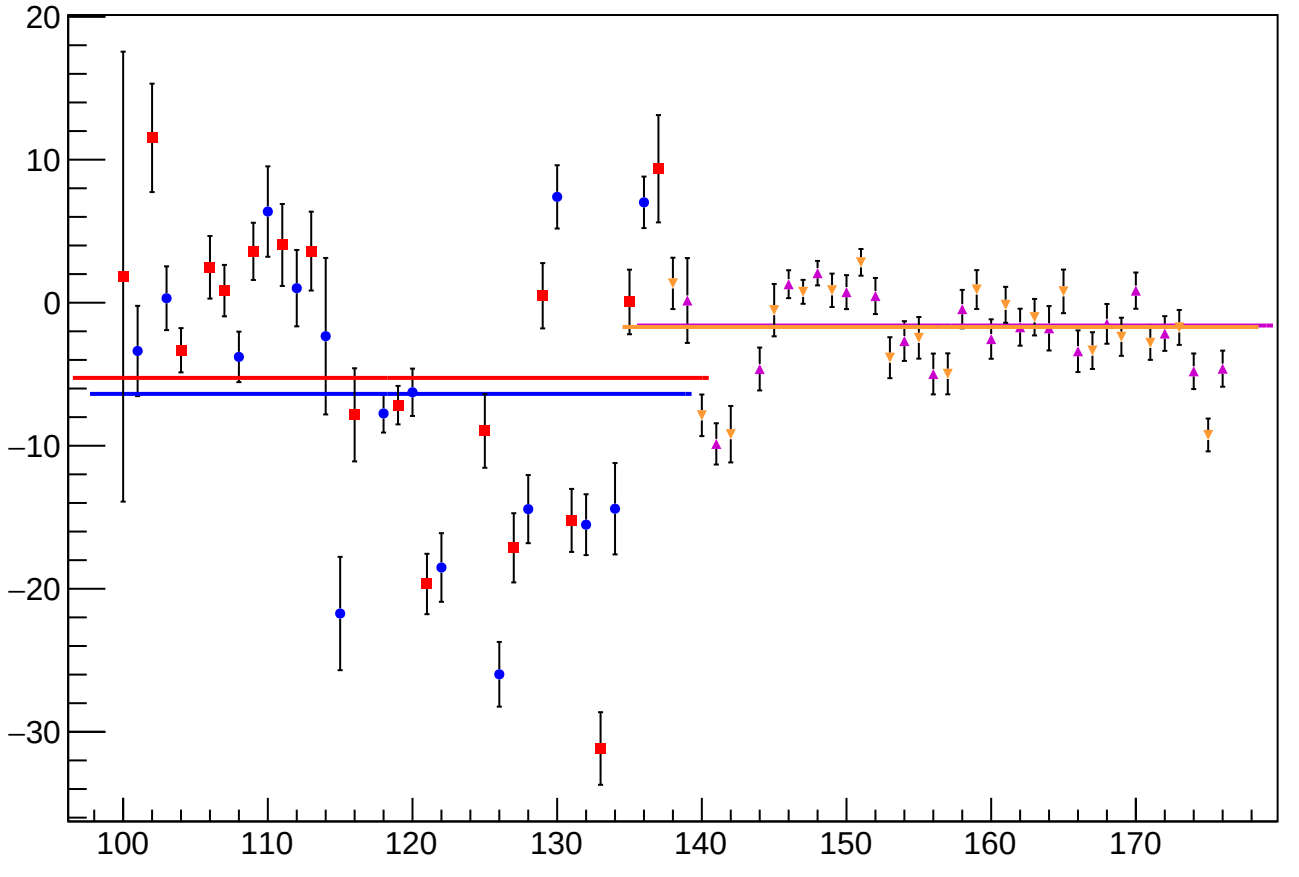
In: -9.653+/-0.021 χ^2/NDF:511239.8/34

Out: -10.393+/-0.022 χ^2/NDF:435707.0/36

All: -10.012+/-0.015 χ^2/NDF: 947531.3/71


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: 24.536+/-0.412 χ²/NDF:1626.1/18
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 24.255+/-0.406 χ²/NDF:1646.8/18
Left: 24.393+/-0.289 χ²/NDF: 3273.1/37
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: 3.514+/-0.326 χ²/NDF:12531.0/34
Out: 2.843+/-0.322 χ²/NDF:11951.6/36
All: 3.174+/-0.229 χ²/NDF: 24484.7/71

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: -1.696+/-0.293 χ^2/NDF:134.6/18

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.595+/-0.295 χ^2/NDF:96.2/18

Left: -1.645+/-0.208 χ^2/NDF: 230.9/37

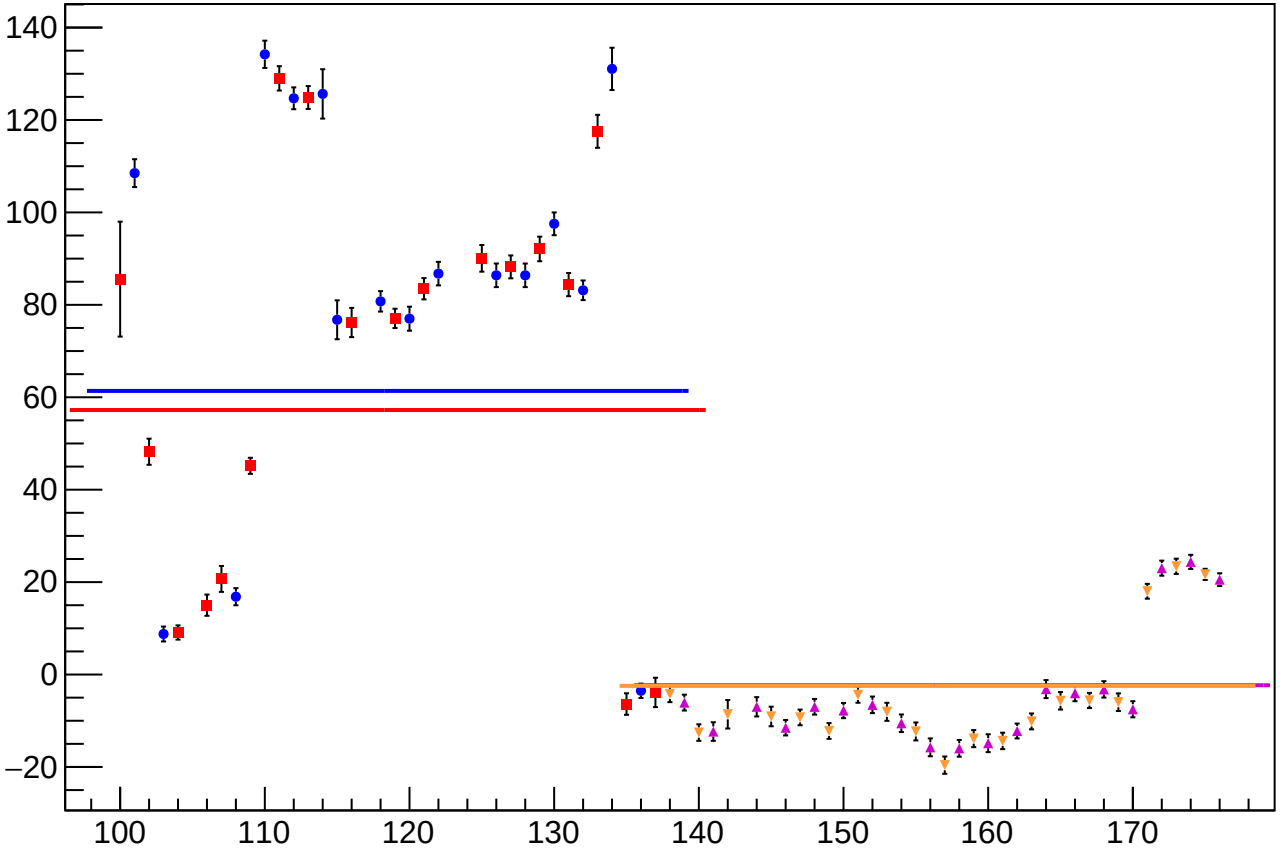
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.654+/-0.261 χ^2/NDF:437.9/34

Out: -2.524+/-0.257 χ^2/NDF:481.9/36

All: -2.588+/-0.183 χ^2/NDF: 919.8/71

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: -2.451+/-0.404 χ^2/NDF:1135.8/18

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -2.315+/-0.399 χ^2/NDF:1126.0/18

Left: -2.382+/-0.284 χ^2/NDF: 2261.8/37

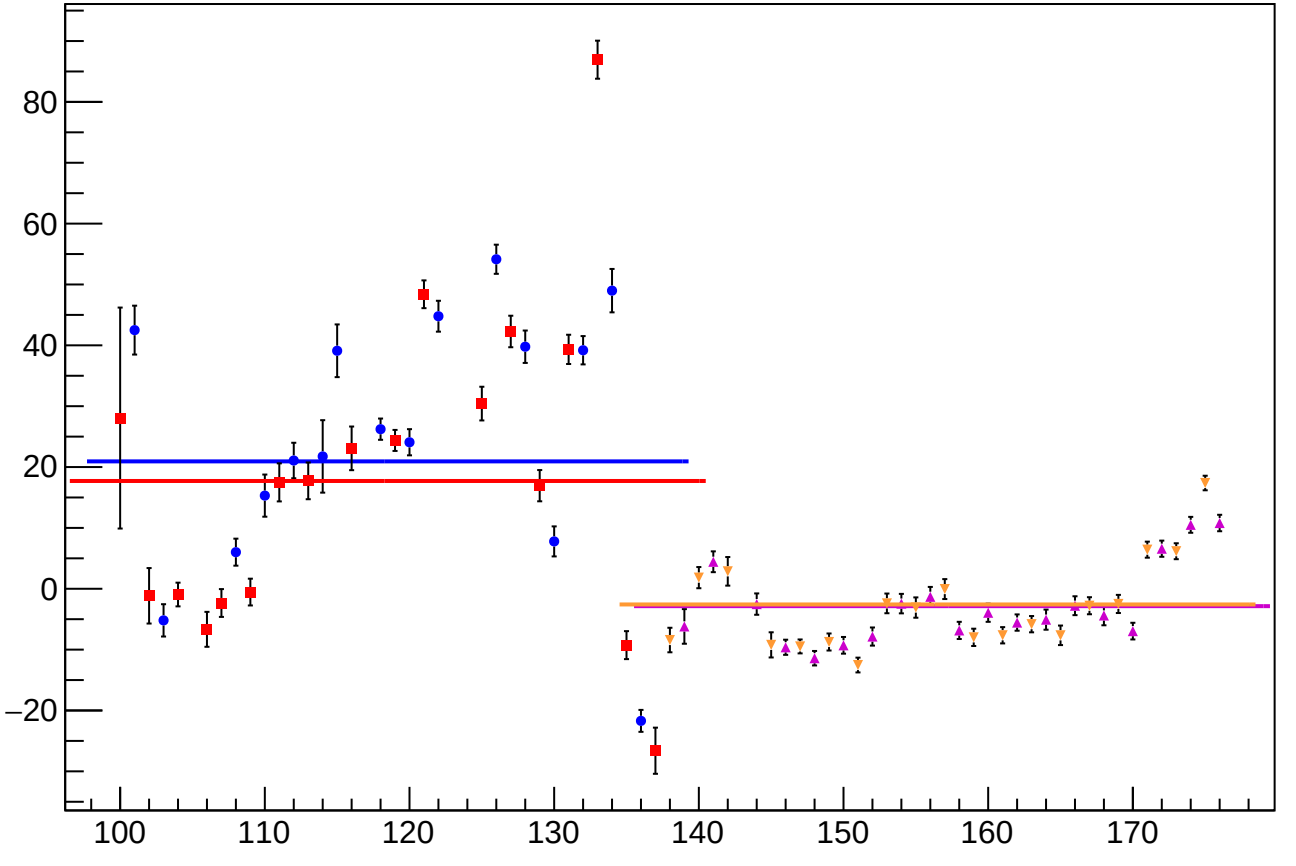
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 17.486+/-0.331 χ^2/NDF:15107.6/34

Out: 17.047+/-0.332 χ^2/NDF:13530.5/36

All: 17.266+/-0.234 χ^2/NDF: 28639.0/71

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -2.578+/-0.336 χ^2/NDF:570.3/18

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -2.857+/-0.337 χ^2/NDF:416.6/18

Left: -2.717+/-0.238 χ^2/NDF: 987.3/37

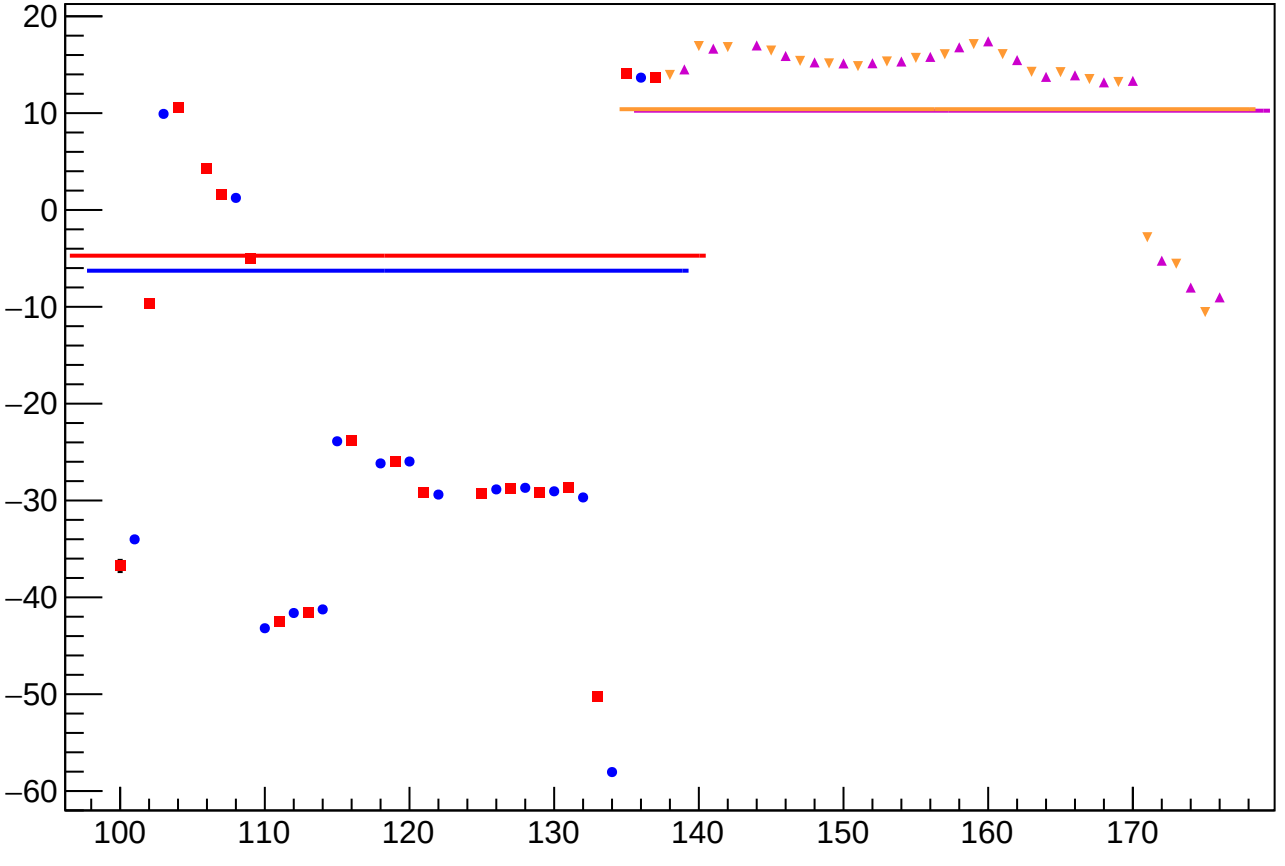
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 2.306+/-0.298 χ^2/NDF:2743.2/34

Out: 2.041+/-0.295 χ^2/NDF:2884.4/36

All: 2.172+/-0.210 χ^2/NDF: 5628.0/71

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: 10.406+/-0.015 χ^2/NDF:360166.6/18

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 10.252+/-0.015 χ^2/NDF:407603.4/18

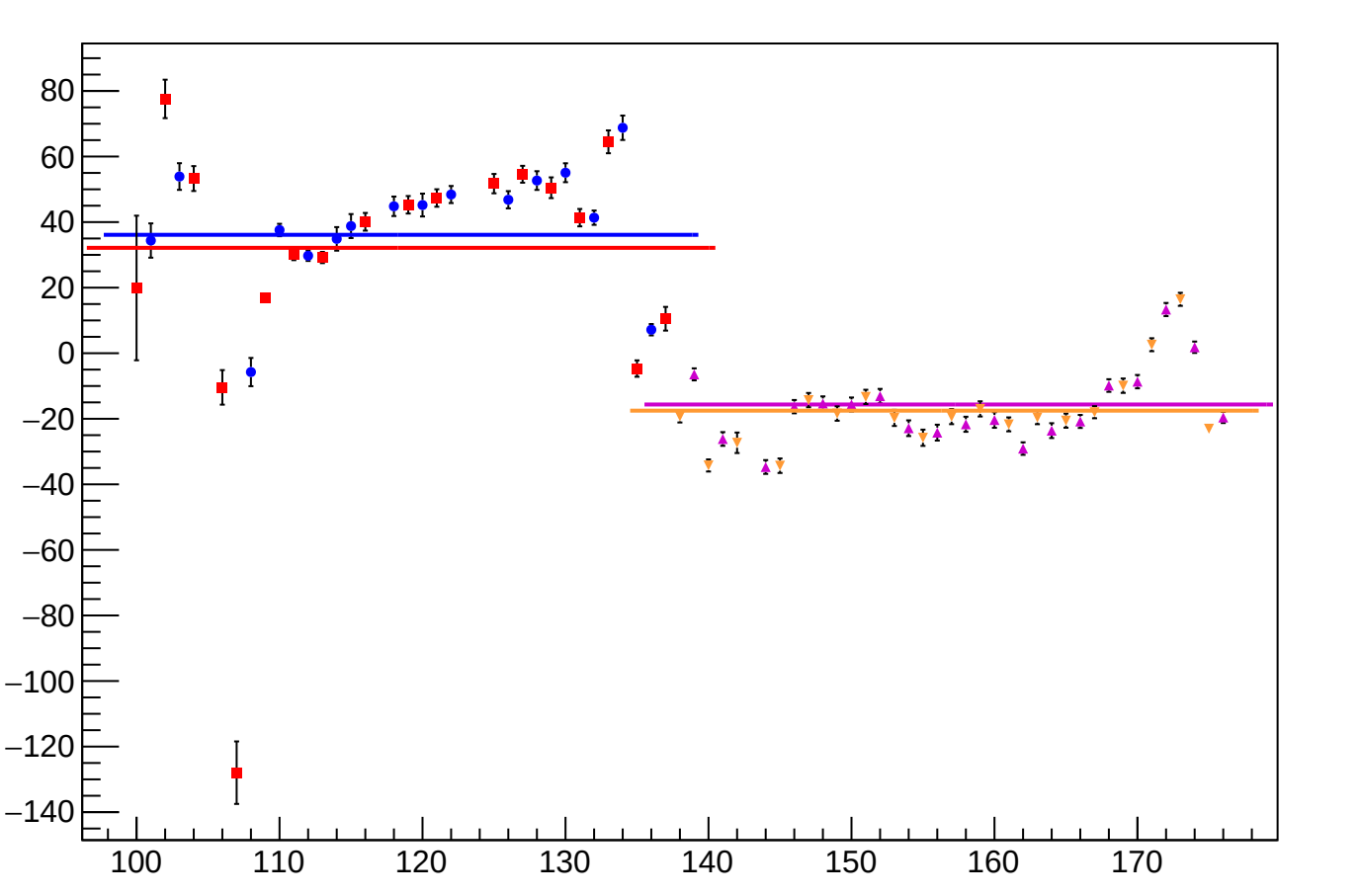
Left: 10.327+/-0.011 χ^2/NDF: 767822.7/37

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 7.551+/-0.014 χ^2/NDF:1022593.5/34

Out: 7.848+/-0.014 χ^2/NDF:834330.0/36

All: 7.696+/-0.010 χ^2/NDF: 1857158.7/71



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -17.521+/-0.478 χ^2/NDF:595.5/18

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.641+/-0.471 χ^2/NDF:571.1/18

Left: -16.567+/-0.336 χ^2/NDF: 1174.5/37

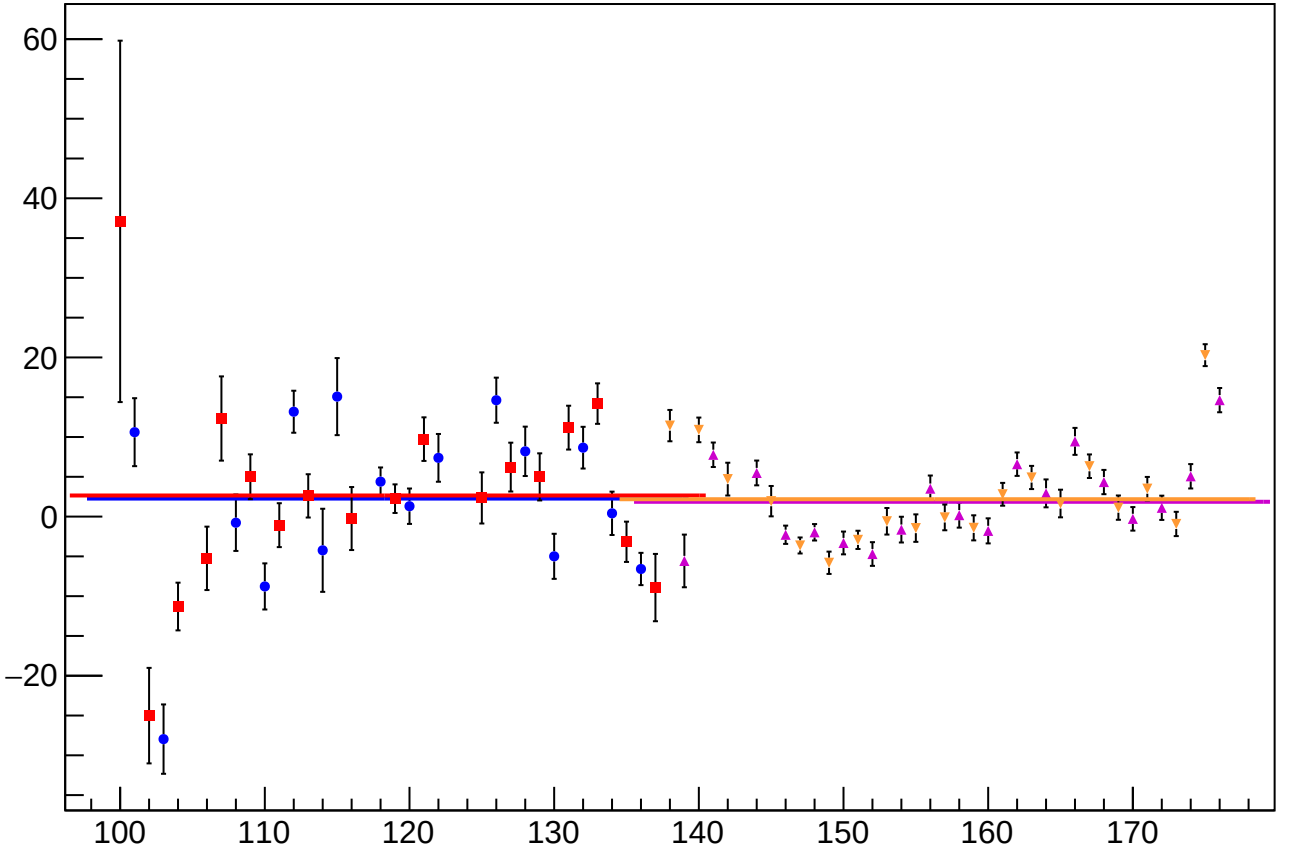
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 1.957+/-0.383 χ^2/NDF:5297.3/34

Out: 0.604+/-0.381 χ^2/NDF:5650.3/36

All: 1.277+/-0.270 χ^2/NDF: 10953.9/71

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: 2.182+/-0.343 χ^2/NDF:345.5/18

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.861+/-0.344 χ^2/NDF:207.0/18

Left: 2.022+/-0.243 χ^2/NDF: 553.0/37

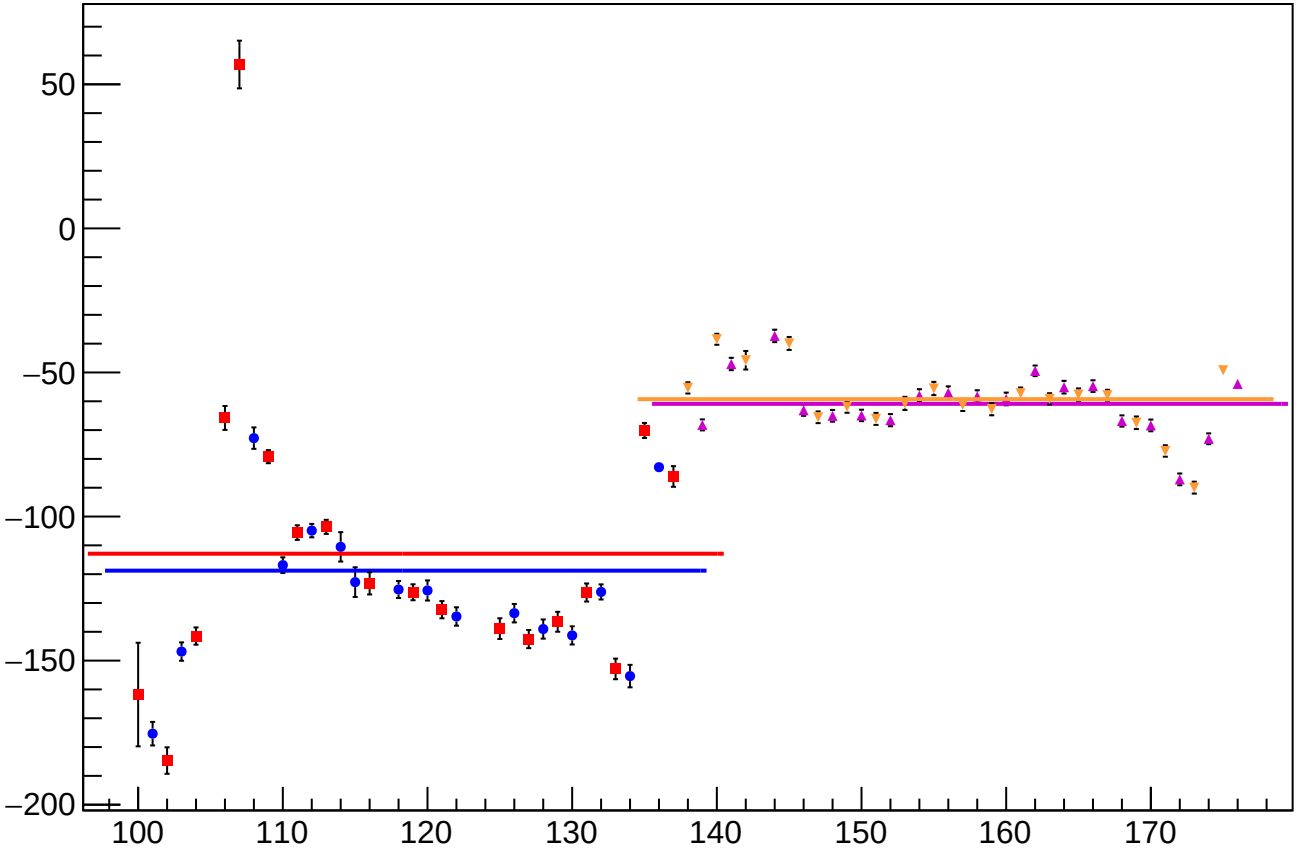
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.939+/-0.309 χ^2/NDF:359.3/34

Out: 2.269+/-0.309 χ^2/NDF:453.1/36

All: 2.104+/-0.219 χ^2/NDF: 813.0/71

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: -59.264+/-0.470 χ^2/NDF:608.8/18

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.894+/-0.464 χ^2/NDF:498.8/18

Left: -60.089+/-0.330 χ^2/NDF: 1113.6/37

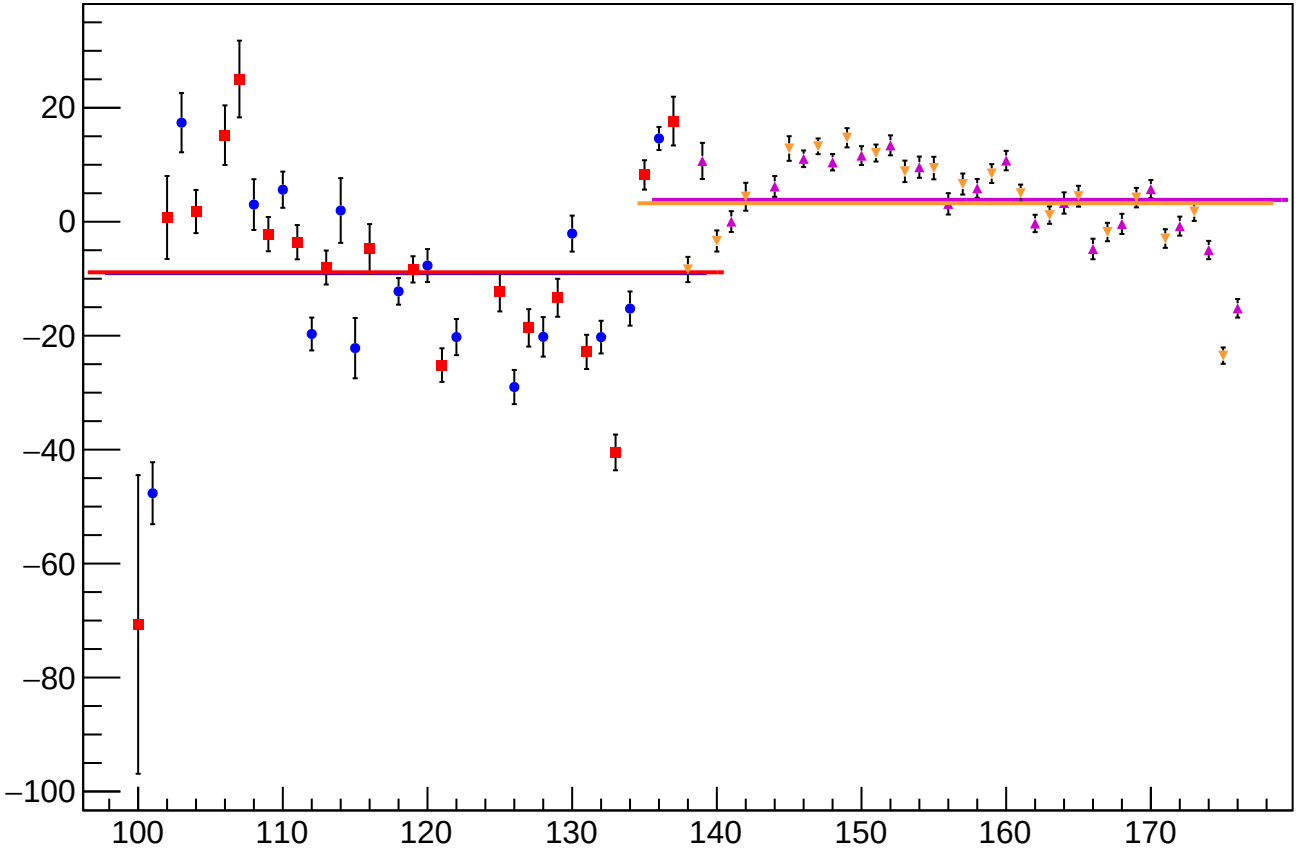
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -76.701+/-0.395 χ^2/NDF:5870.5/34

Out: -74.054+/-0.400 χ^2/NDF:6069.7/36

All: -75.391+/-0.281 χ^2/NDF: 11962.3/71

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: 3.250+/-0.392 χ^2/NDF:603.7/18

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 3.831+/-0.393 χ^2/NDF:346.5/18

Left: 3.540+/-0.277 χ^2/NDF: 951.3/37

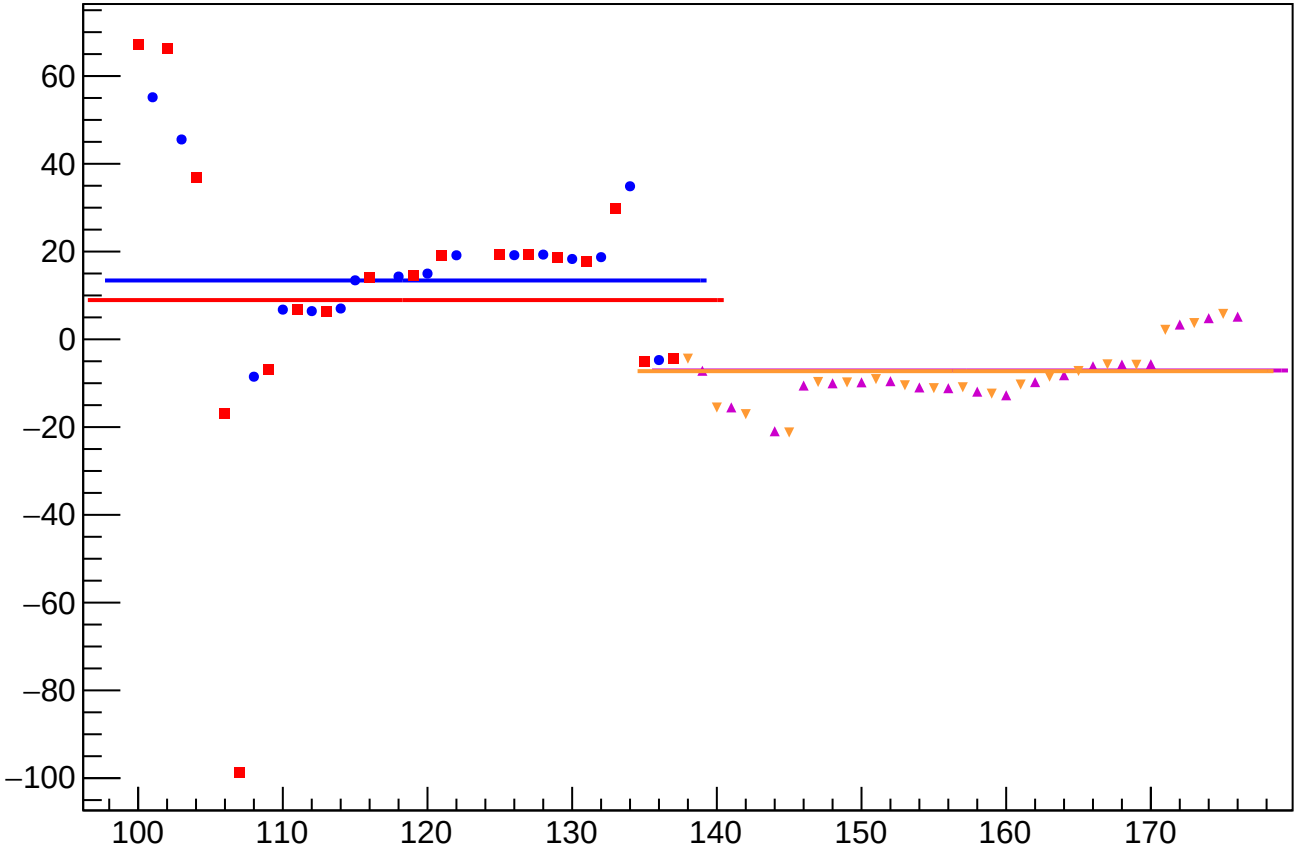
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 1.313+/-0.352 χ^2/NDF:914.3/34

Out: 0.953+/-0.353 χ^2/NDF:1104.0/36

All: 1.133+/-0.249 χ^2/NDF: 2018.8/71

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: -7.255+/-0.018 χ^2/NDF:139140.8/18

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.099+/-0.017 χ^2/NDF:141438.0/18

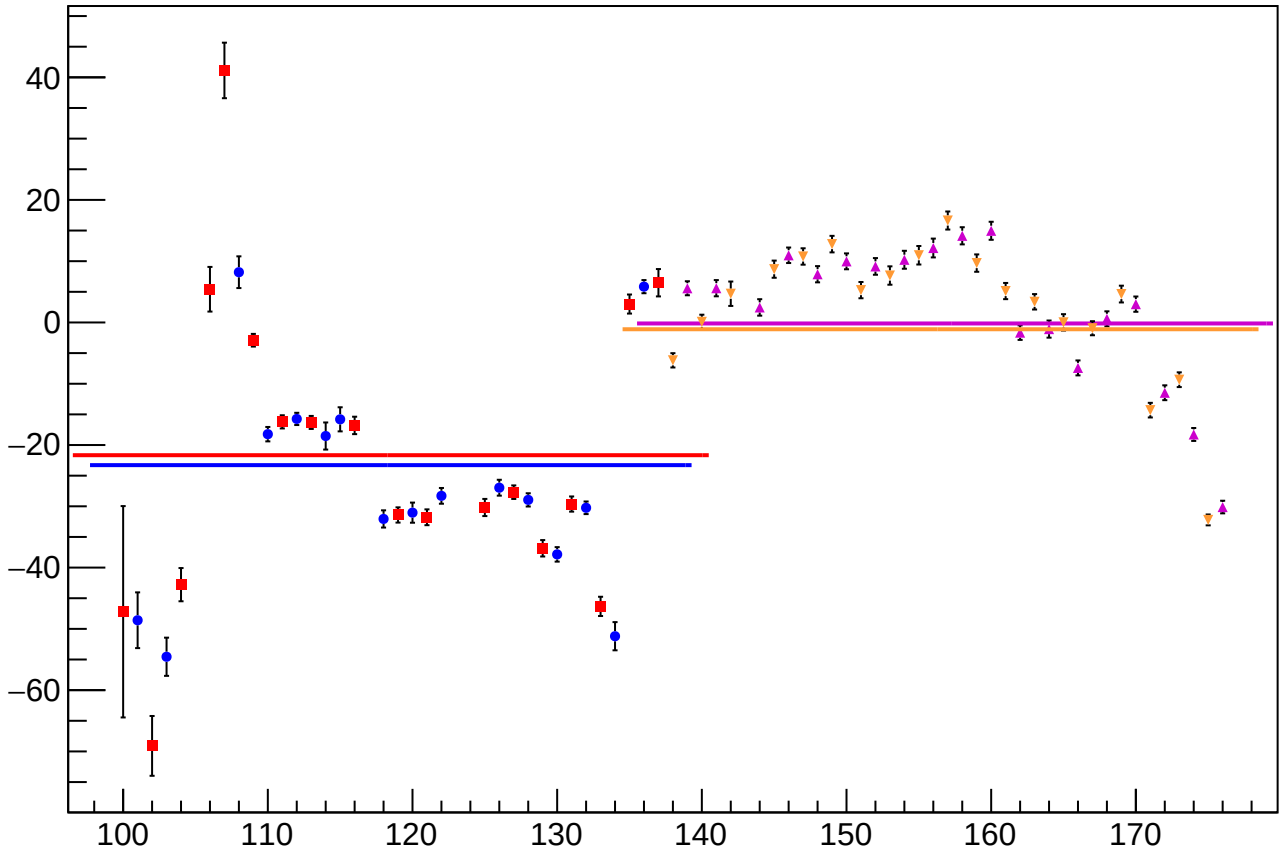
Left: -7.175+/-0.012 χ^2/NDF: 280618.9/37

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -4.517+/-0.016 χ^2/NDF:504487.1/34

Out: -5.275+/-0.017 χ^2/NDF:532779.5/36

All: -4.884+/-0.012 χ^2/NDF: 1038347.6/71



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.107+/-0.295 χ^2/NDF:2038.7/18

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -0.163+/-0.291 χ^2/NDF:1867.2/18

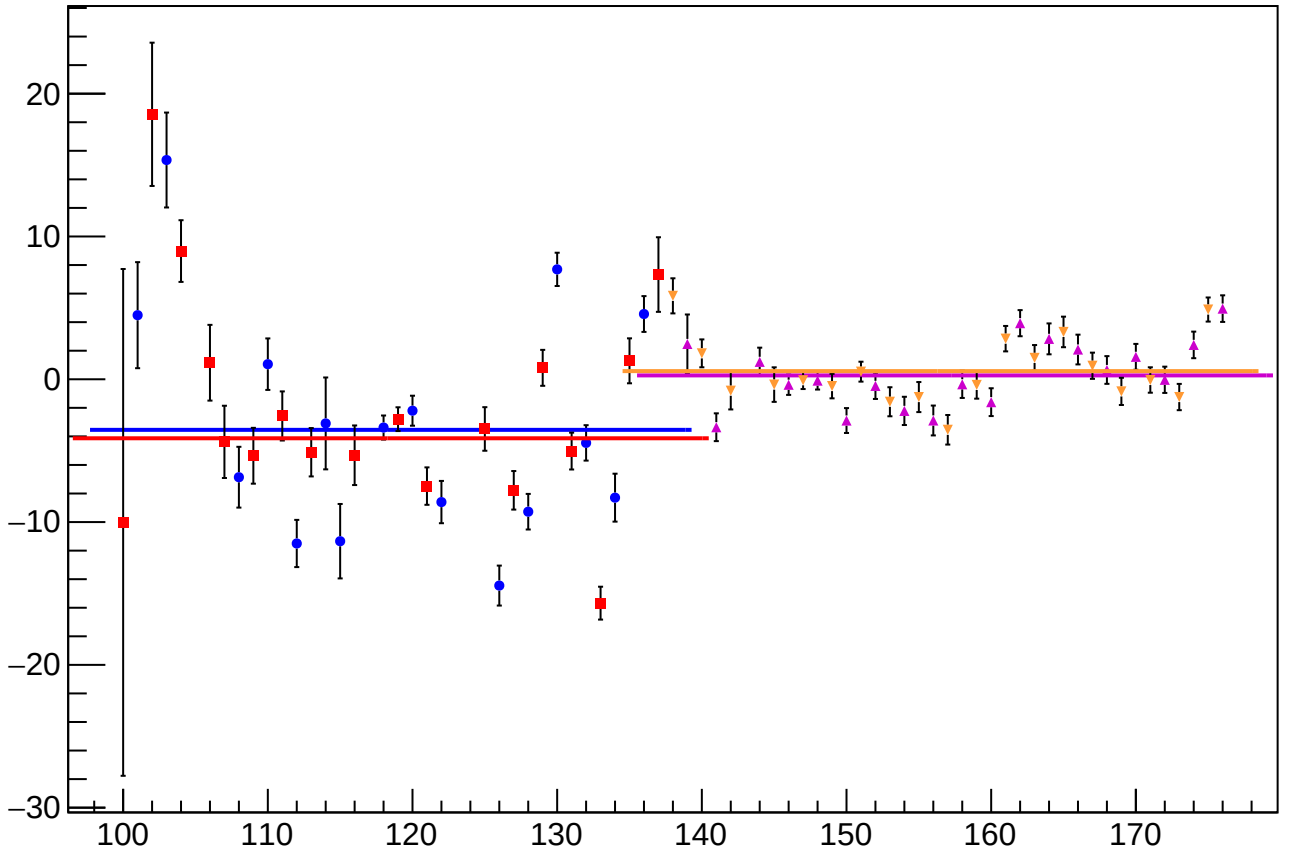
Left: -0.628+/-0.207 χ^2/NDF: 3911.0/37

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -9.597+/-0.224 χ^2/NDF:6011.6/34

Out: -9.728+/-0.225 χ^2/NDF:5885.1/36

All: -9.662+/-0.159 χ^2/NDF: 11896.9/71



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.571+/-0.211 χ^2/NDF:95.5/18

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.271+/-0.212 χ^2/NDF:107.9/18

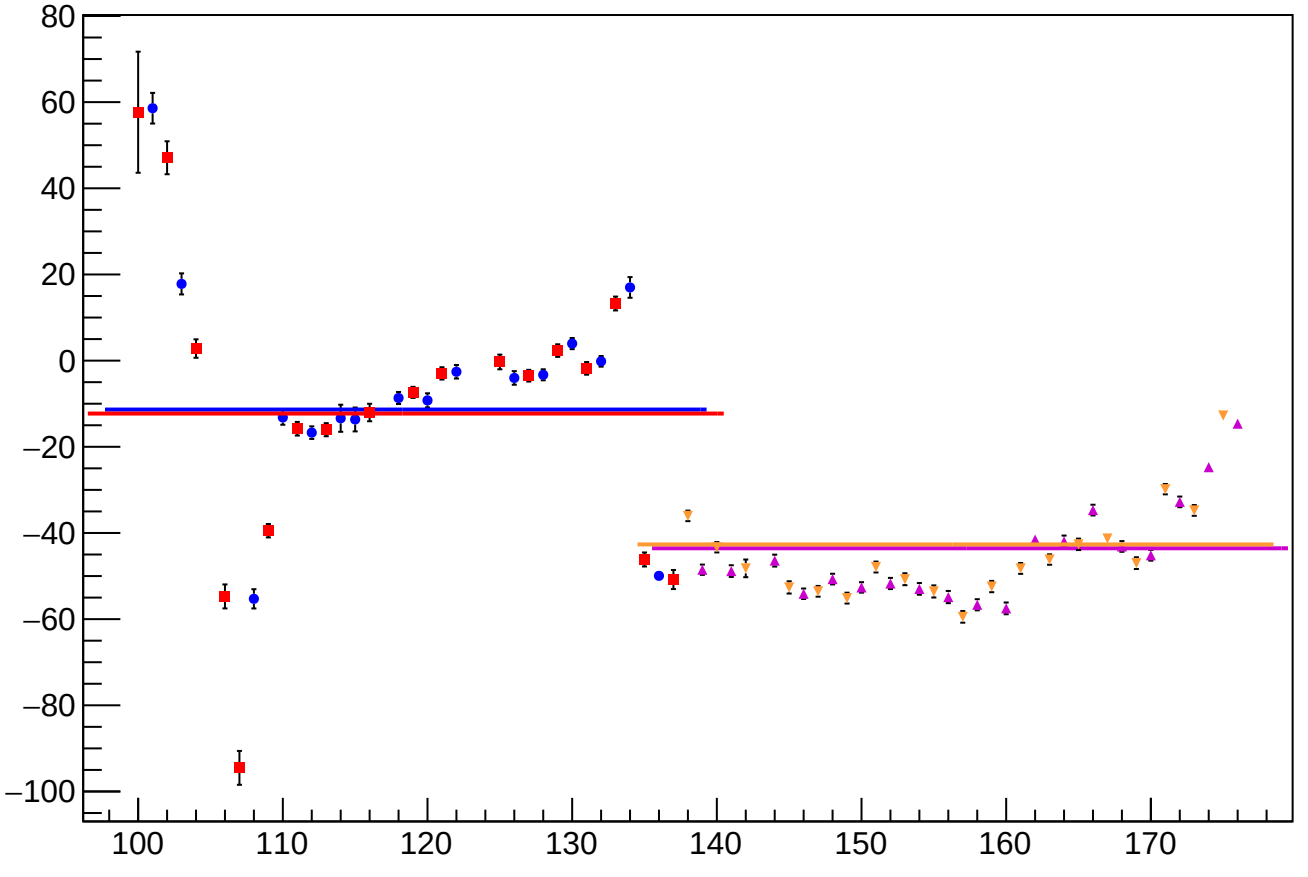
Left: 0.422+/-0.150 χ^2/NDF: 204.4/37

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.702+/-0.183 χ^2/NDF:507.0/34

Out: -0.582+/-0.184 χ^2/NDF:444.5/36

All: -0.642+/-0.130 χ^2/NDF: 951.7/71



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -42.656+/-0.290 χ^2/NDF:1917.2/18

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -43.556+/-0.286 χ^2/NDF:1774.4/18

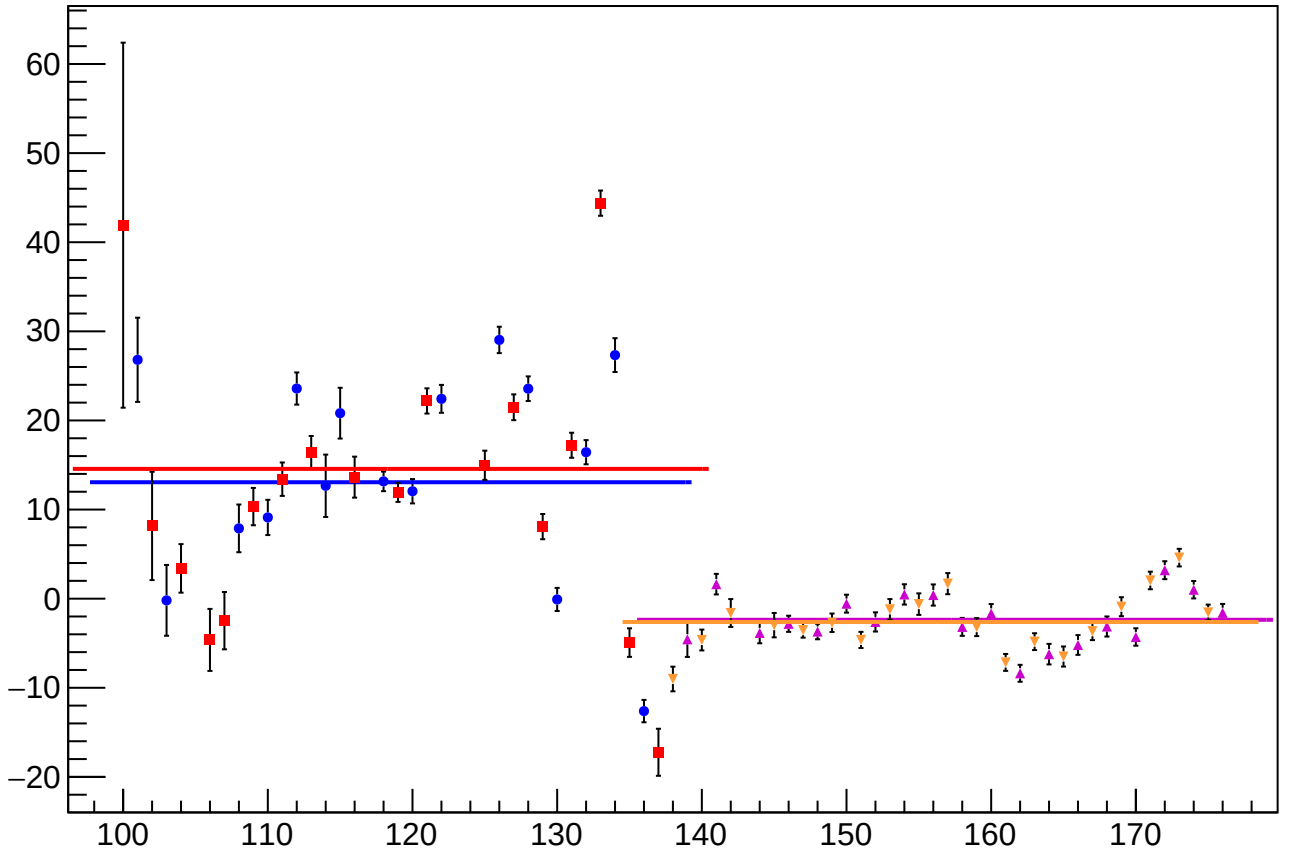
Left: -43.112+/-0.204 χ^2/NDF: 3696.5/37

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -32.845+/-0.234 χ^2/NDF:8640.9/34

Out: -32.634+/-0.237 χ^2/NDF:8129.4/36

All: -32.741+/-0.167 χ^2/NDF: 16770.8/71



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.616+/-0.241 χ^2/NDF:170.0/18

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.369+/-0.242 χ^2/NDF:138.6/18

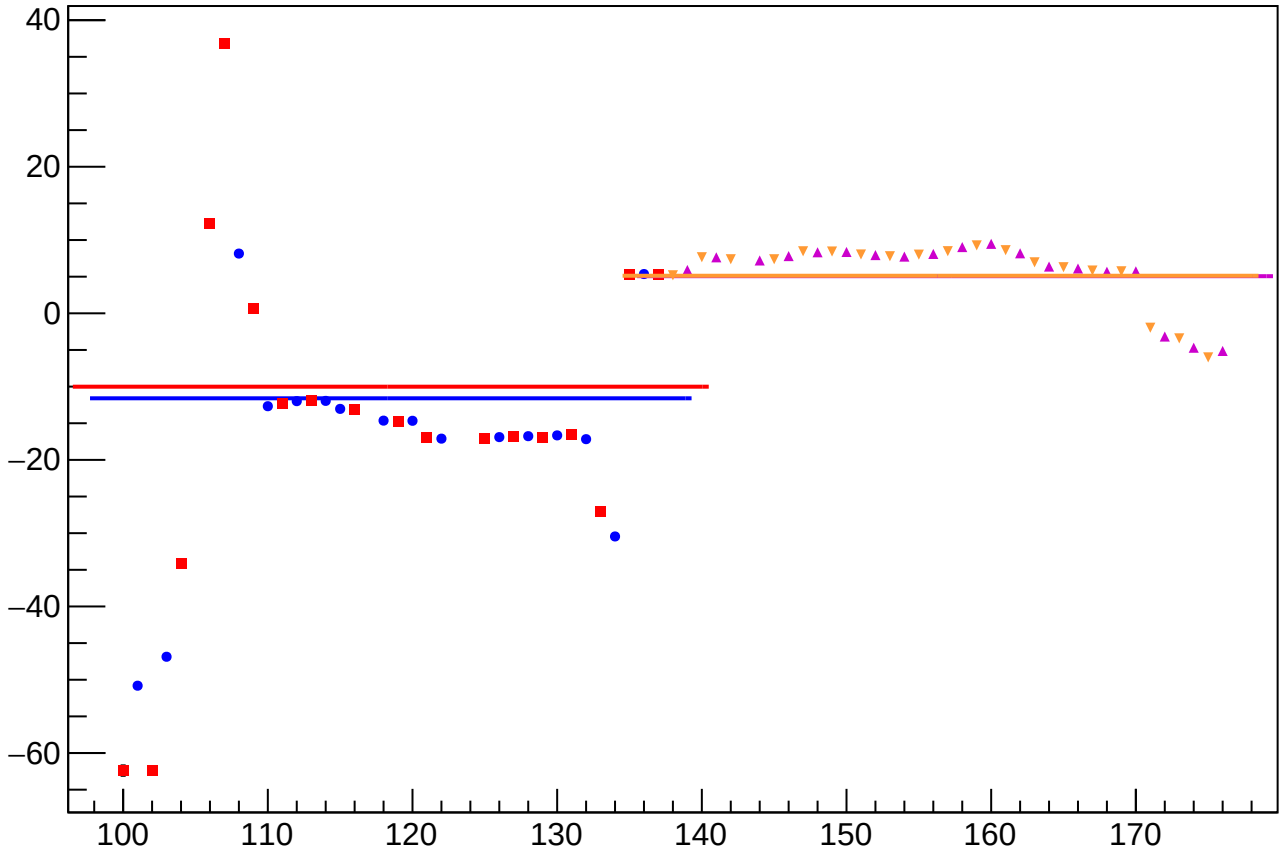
Left: -2.493+/-0.171 χ^2/NDF: 309.1/37

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.556+/-0.209 χ^2/NDF:2035.0/34

Out: 1.614+/-0.210 χ^2/NDF:2319.2/36

All: 1.585+/-0.148 χ^2/NDF: 4354.2/71



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.126+/-0.011 χ^2/NDF:188917.4/18

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 5.066+/-0.011 χ^2/NDF:210531.4/18

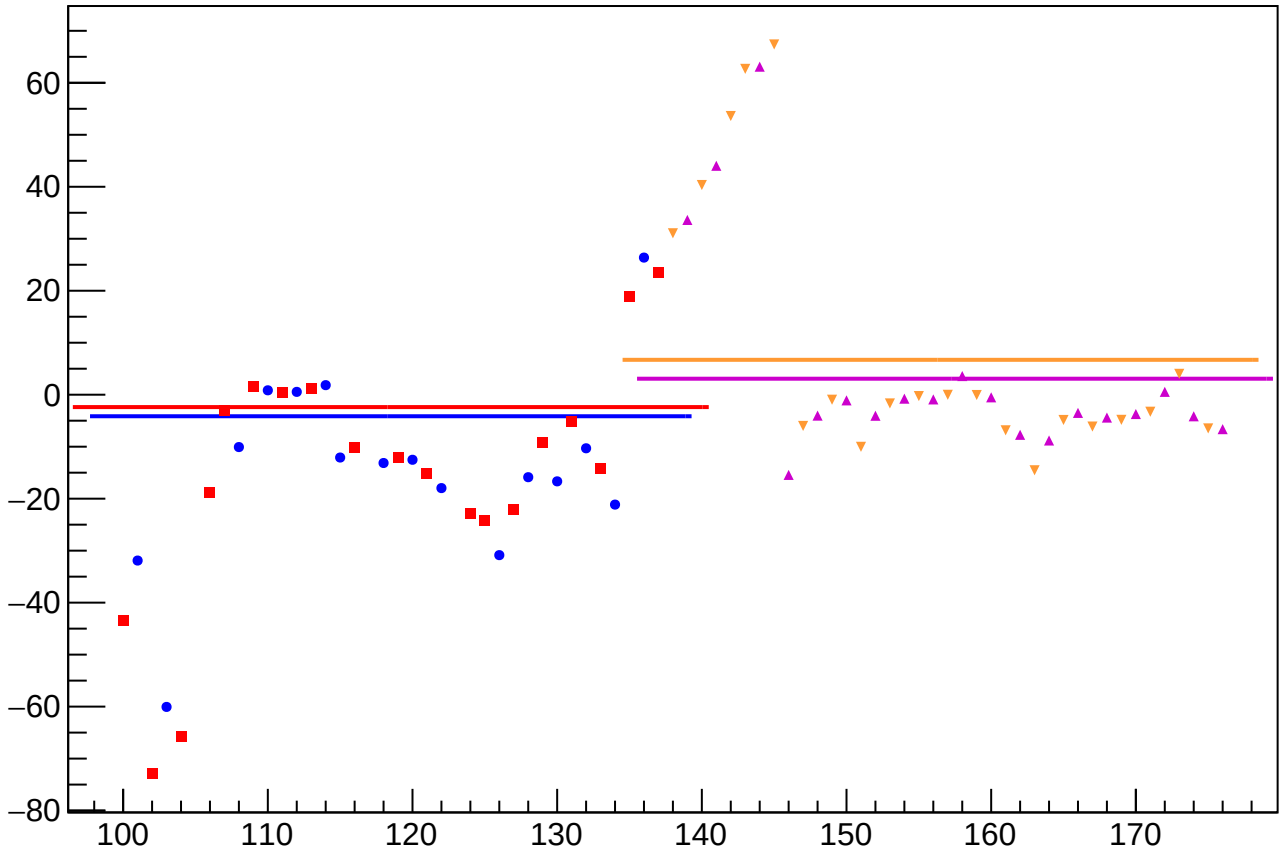
Left: 5.095+/-0.008 χ^2/NDF: 399464.3/37

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.736+/-0.010 χ^2/NDF:916039.3/34

Out: 3.058+/-0.010 χ^2/NDF:847868.2/36

All: 2.892+/-0.007 χ^2/NDF: 1764425.6/71



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 6.711+/-0.053 χ^2/NDF:160307.0/19

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 3.077+/-0.048 χ^2/NDF:126007.7/18

Left: 4.702+/-0.036 χ^2/NDF: 288886.1/38

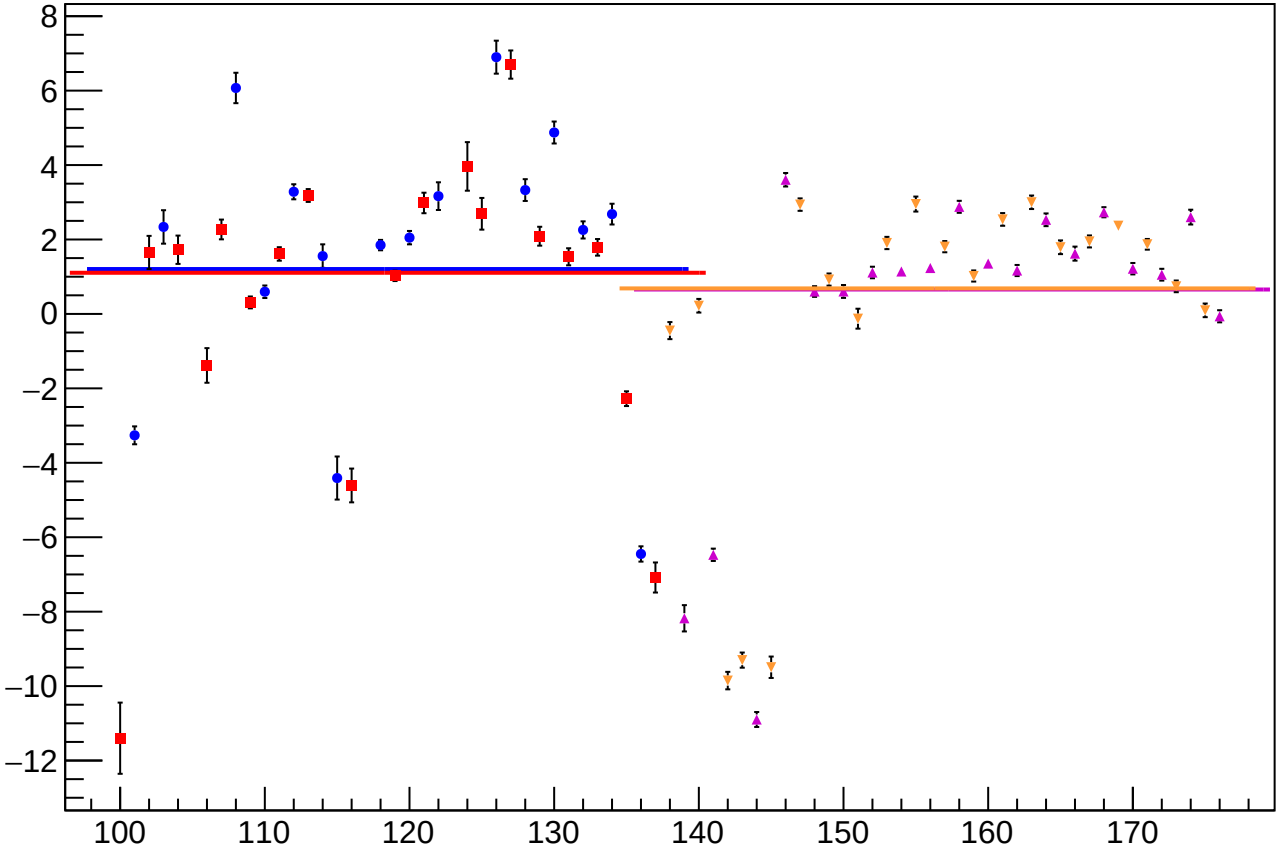
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.060+/-0.036 χ^2/NDF:211136.5/34

Out: 1.513+/-0.035 χ^2/NDF:257696.5/38

All: 0.752+/-0.025 χ^2/NDF: 469817.4/73

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: 0.686+/-0.039 χ^2/NDF:6746.9/19

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.656+/-0.035 χ^2/NDF:6842.3/18

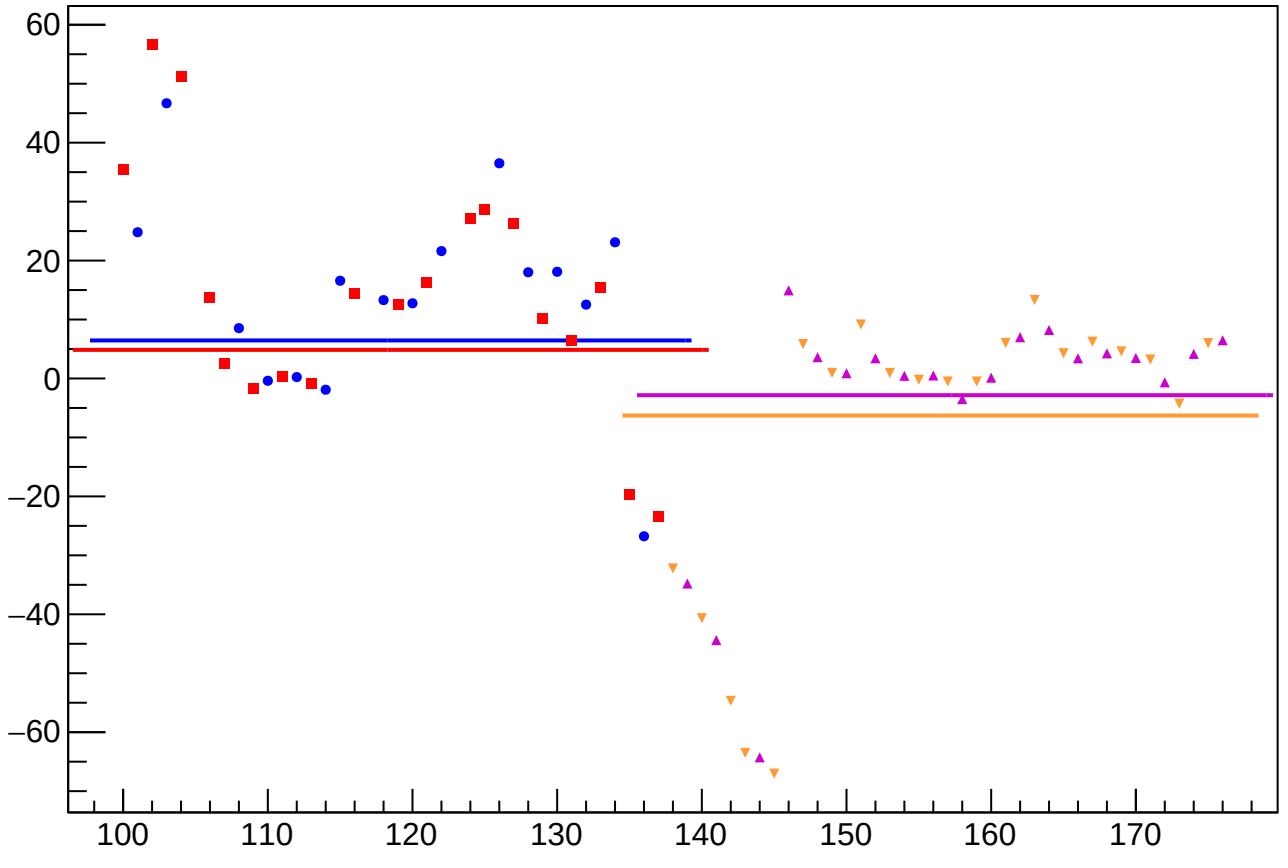
Left: 0.669+/-0.026 χ^2/NDF: 13589.5/38

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.795+/-0.030 χ^2/NDF:9488.6/34

Out: 0.821+/-0.032 χ^2/NDF:8370.7/38

All: 0.807+/-0.022 χ^2/NDF: 17859.6/73



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -6.285+/-0.052 χ^2/NDF:155260.5/19

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -2.835+/-0.047 χ^2/NDF:123065.8/18

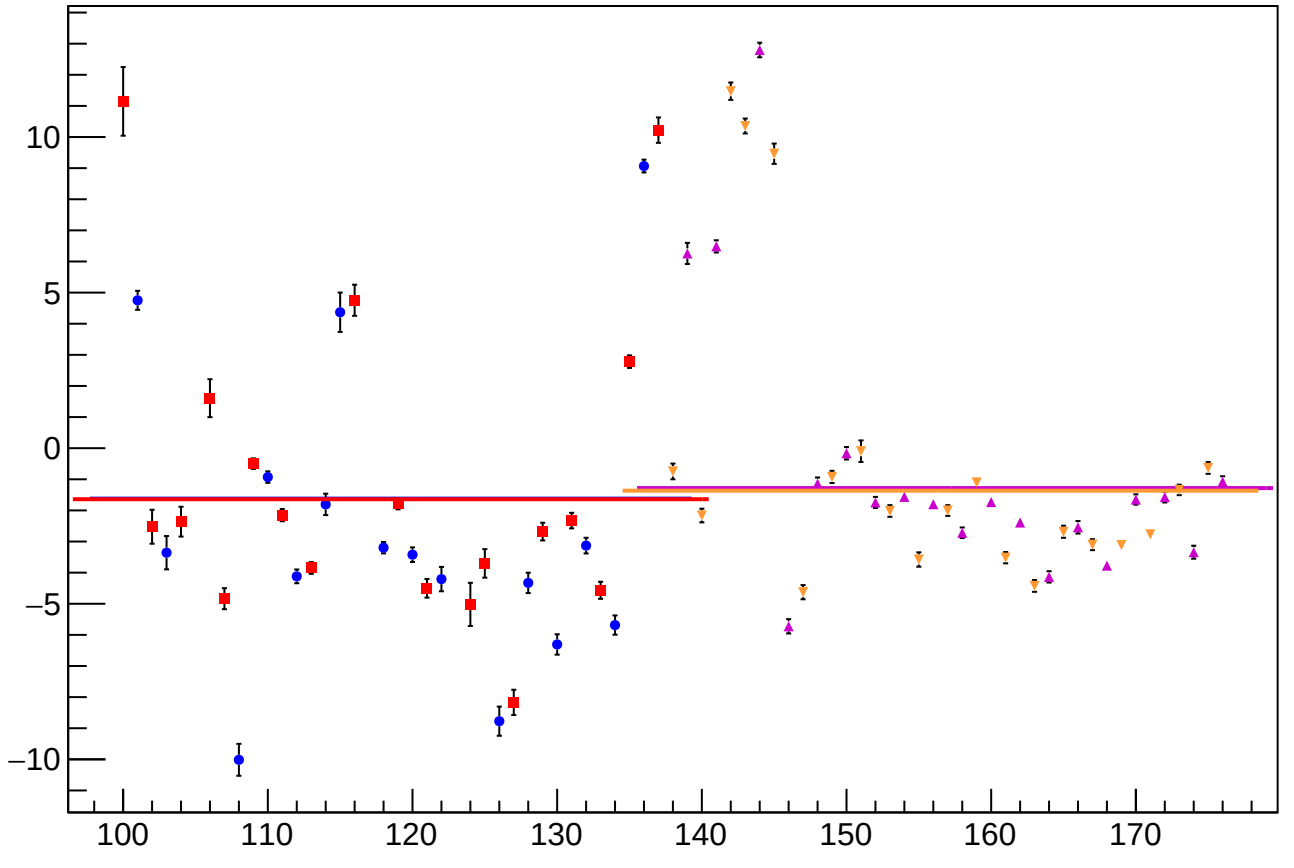
Left: -4.359+/-0.035 χ^2/NDF: 280738.9/38

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.312+/-0.038 χ^2/NDF:207148.6/34

Out: -1.379+/-0.039 χ^2/NDF:250369.0/38

All: -0.505+/-0.027 χ^2/NDF: 458477.3/73



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.365+/-0.044 χ^2/NDF:6724.5/19

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.283+/-0.040 χ^2/NDF:6838.1/18

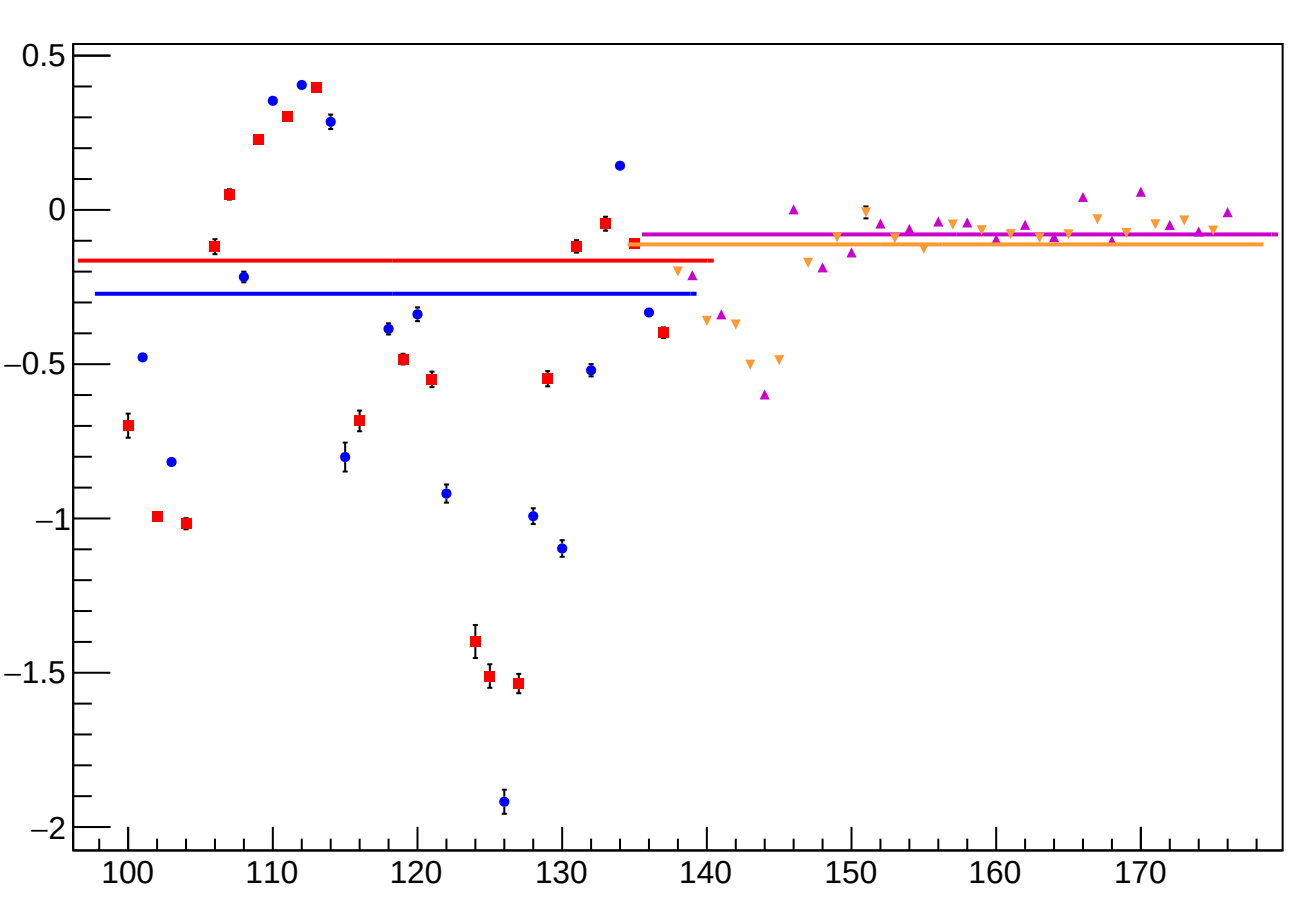
Left: -1.319+/-0.029 χ^2/NDF: 13564.6/38

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.365+/-0.034 χ^2/NDF:11381.3/34

Out: -1.453+/-0.036 χ^2/NDF:9199.0/38

All: -1.406+/-0.025 χ^2/NDF: 20583.4/73



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.112+/-0.002 χ^2/NDF:3485.0/19

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.079+/-0.002 χ^2/NDF:3804.2/18

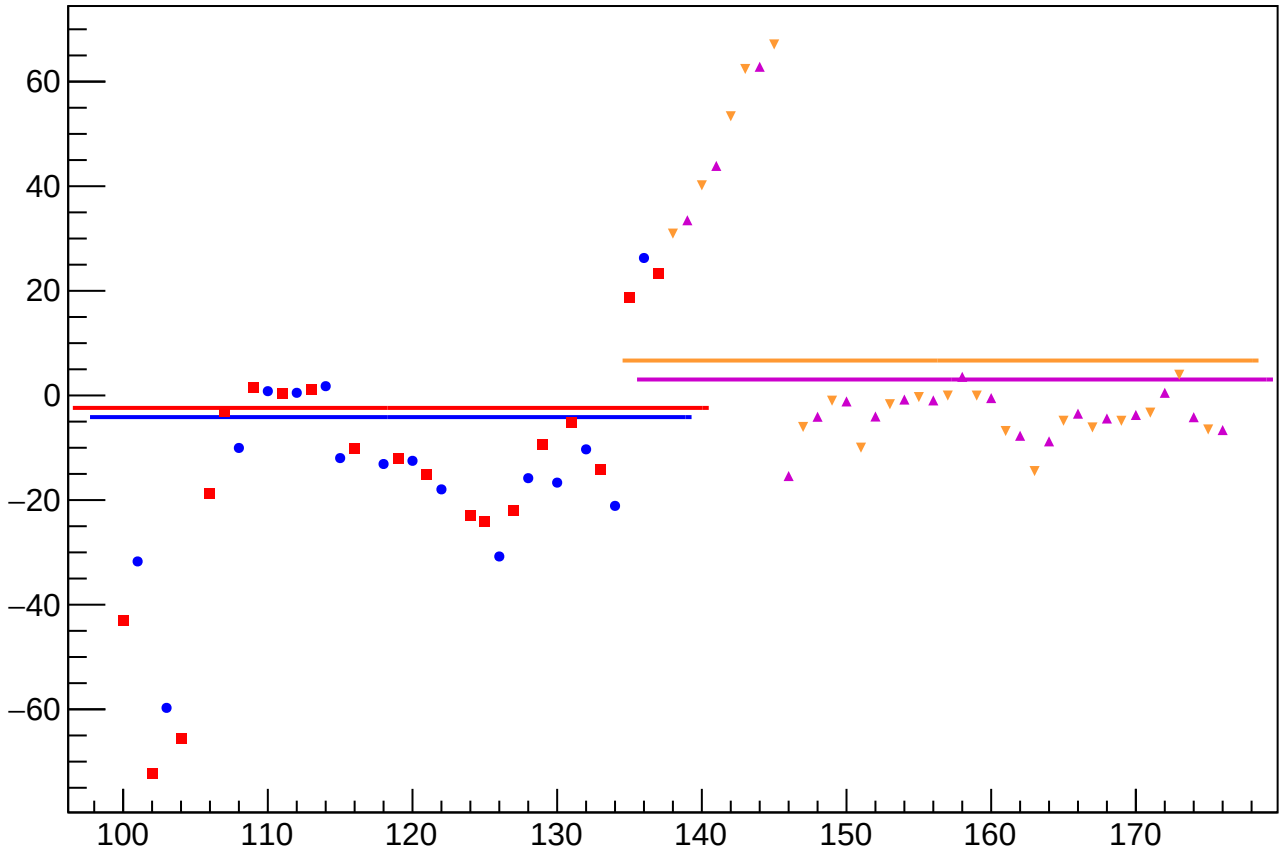
Left: -0.093+/-0.001 χ^2/NDF: 7450.1/38

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.106+/-0.002 χ^2/NDF:17697.4/34

Out: -0.123+/-0.002 χ^2/NDF:19133.3/38

All: -0.114+/-0.001 χ^2/NDF: 36881.8/73



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 6.675+/-0.053 χ^2/NDF:160075.9/19

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 3.049+/-0.048 χ^2/NDF:125897.2/18

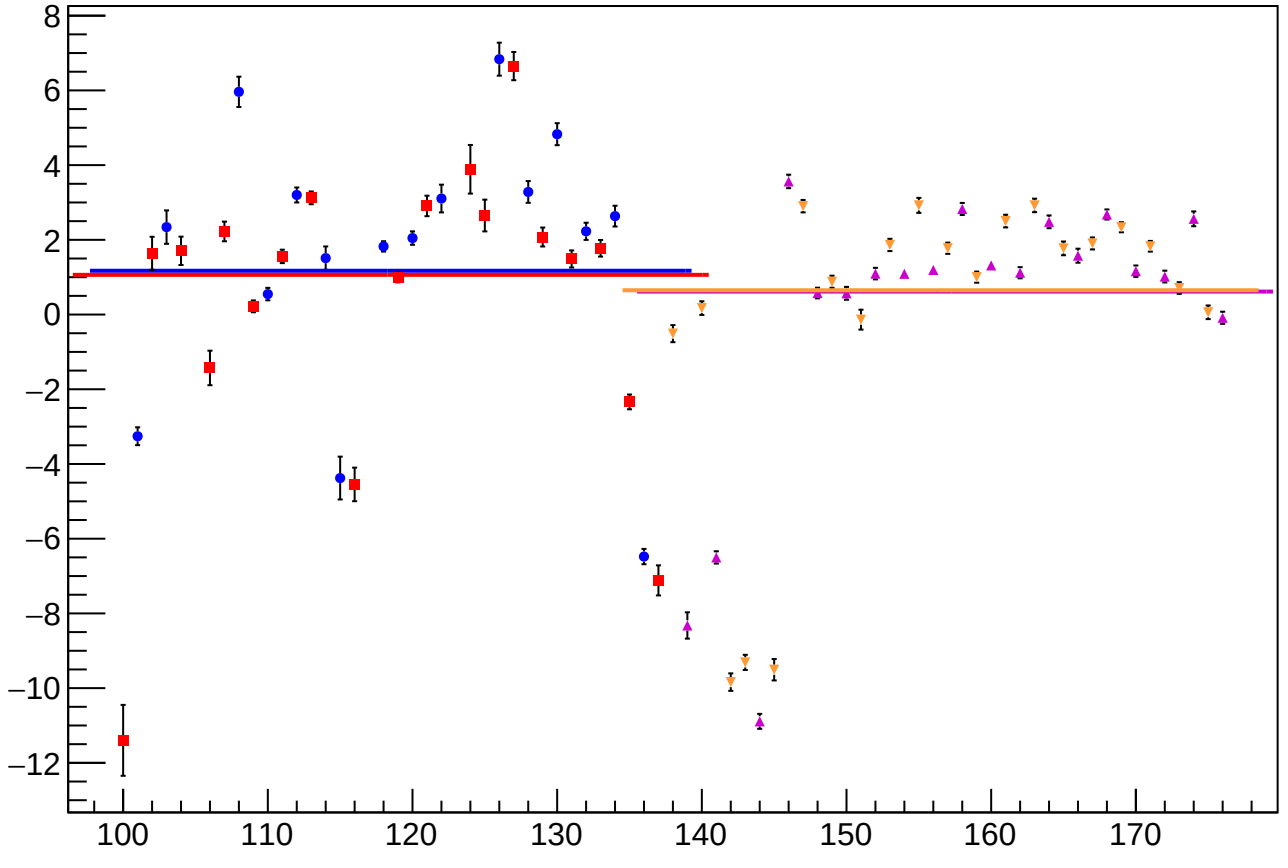
Left: 4.670+/-0.036 χ^2/NDF: 288549.1/38

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.085+/-0.036 χ^2/NDF:211002.0/34

Out: 1.484+/-0.035 χ^2/NDF:257397.5/38

All: 0.726+/-0.025 χ^2/NDF: 469388.2/73



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.650+/-0.039 χ^2/NDF:6751.0/19

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.615+/-0.035 χ^2/NDF:6857.8/18

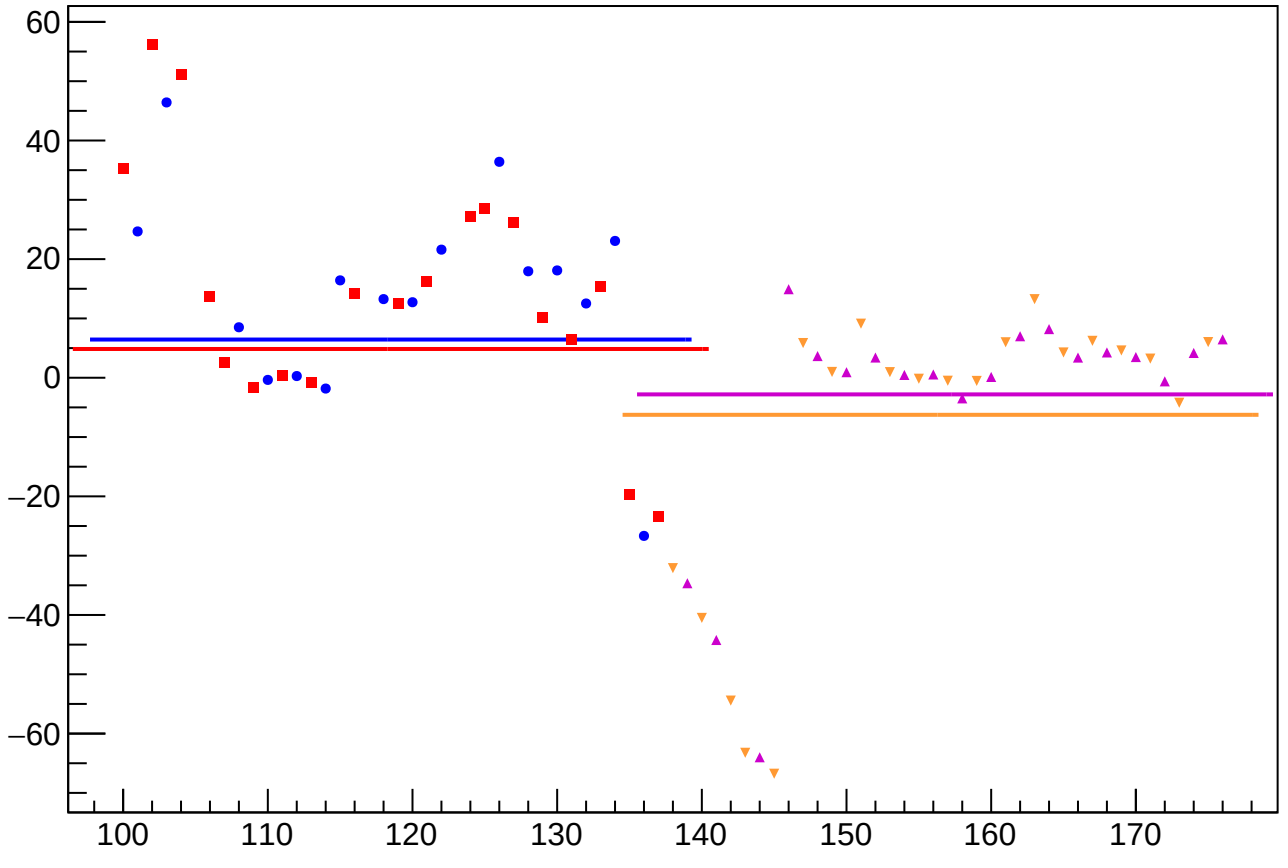
Left: 0.631+/-0.026 χ^2/NDF: 13609.2/38

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.757+/-0.030 χ^2/NDF:9506.4/34

Out: 0.783+/-0.032 χ^2/NDF:8383.1/38

All: 0.769+/-0.022 χ^2/NDF: 17889.8/73



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -6.251+/-0.052 χ^2/NDF:155032.9/19

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -2.807+/-0.047 χ^2/NDF:122953.4/18

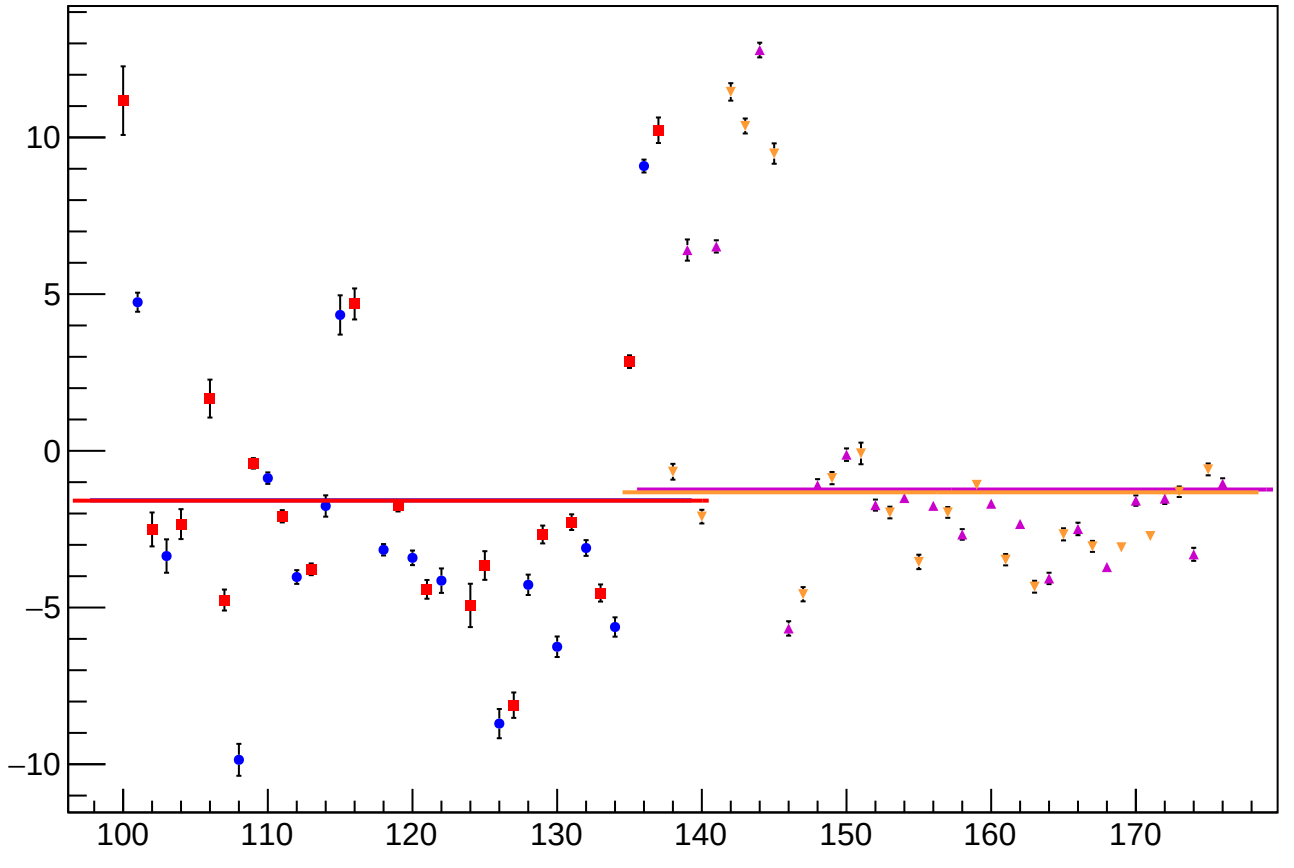
Left: -4.329+/-0.035 χ^2/NDF: 280403.8/38

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.338+/-0.038 χ^2/NDF:207005.8/34

Out: -1.349+/-0.039 χ^2/NDF:250071.4/38

All: -0.477+/-0.027 χ^2/NDF: 458039.2/73



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.323+/-0.044 χ^2/NDF:6723.2/19

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.234+/-0.039 χ^2/NDF:6852.6/18

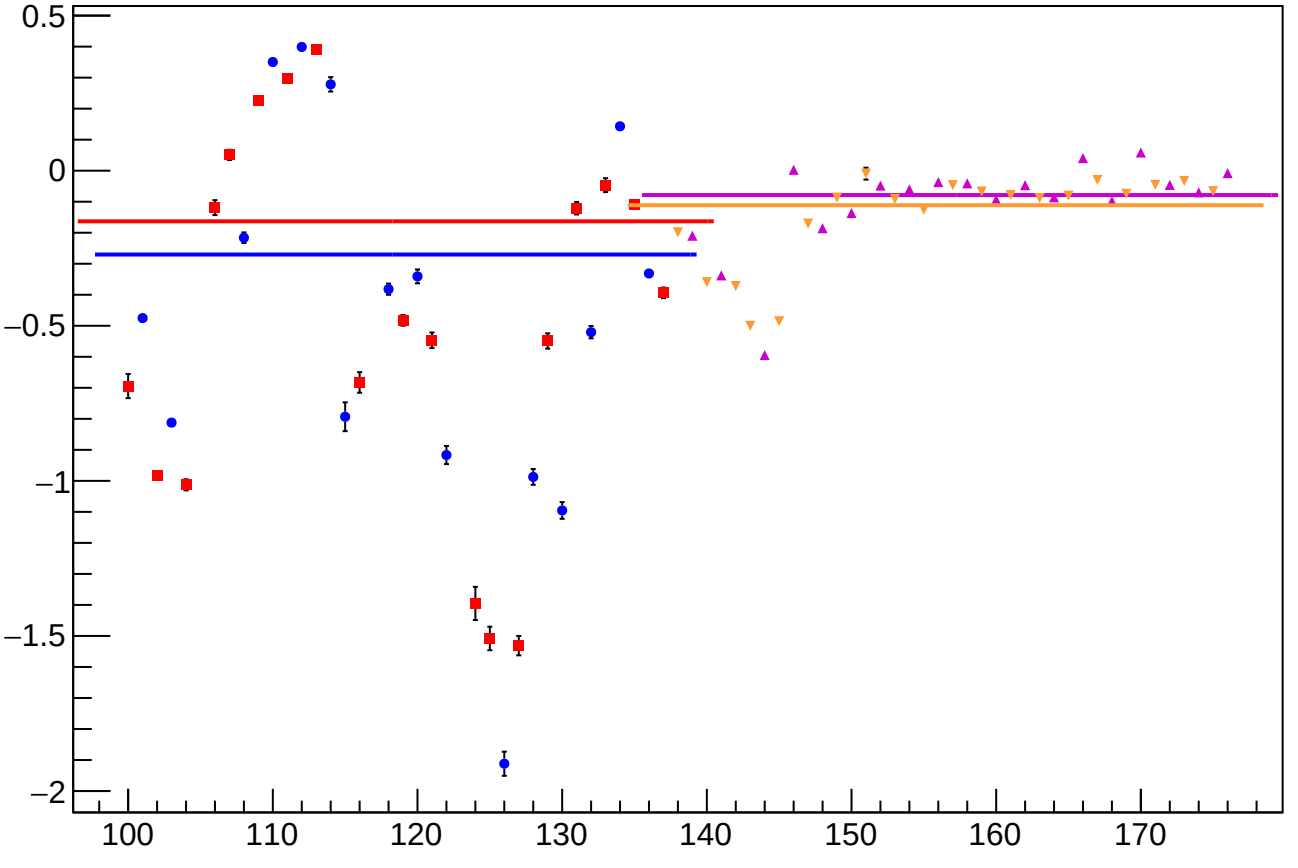
Left: -1.274+/-0.029 χ^2/NDF: 13578.0/38

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.319+/-0.034 χ^2/NDF:11395.7/34

Out: -1.408+/-0.036 χ^2/NDF:9207.1/38

All: -1.361+/-0.025 χ^2/NDF: 20606.0/73



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.111+/-0.002 χ^2/NDF:3501.5/19

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.079+/-0.002 χ^2/NDF:3785.2/18

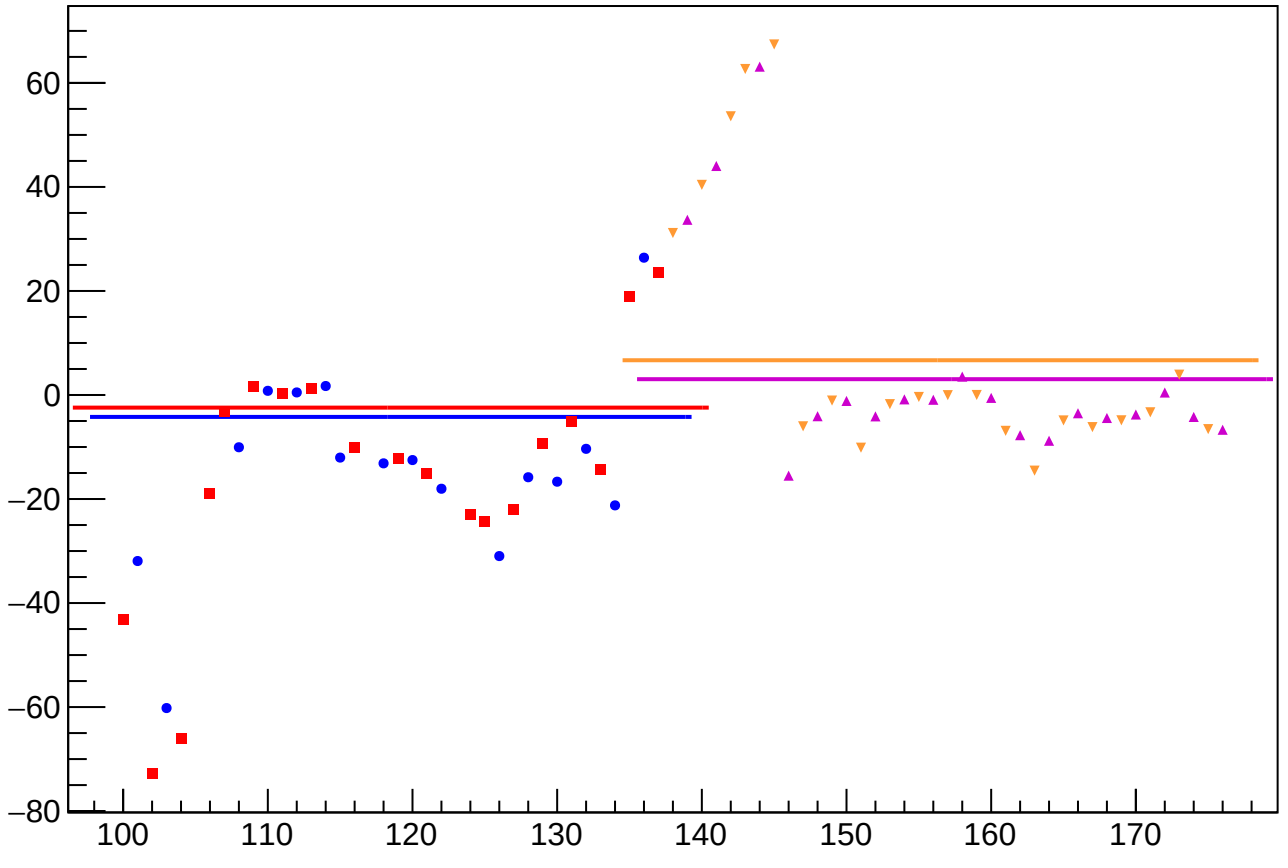
Left: -0.092+/-0.001 χ^2/NDF: 7451.9/38

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.105+/-0.002 χ^2/NDF:17674.2/34

Out: -0.122+/-0.002 χ^2/NDF:19160.9/38

All: -0.113+/-0.001 χ^2/NDF: 36887.8/73



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 6.680+/-0.053 χ^2/NDF:160447.0/19

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 3.039+/-0.048 χ^2/NDF:126030.0/18

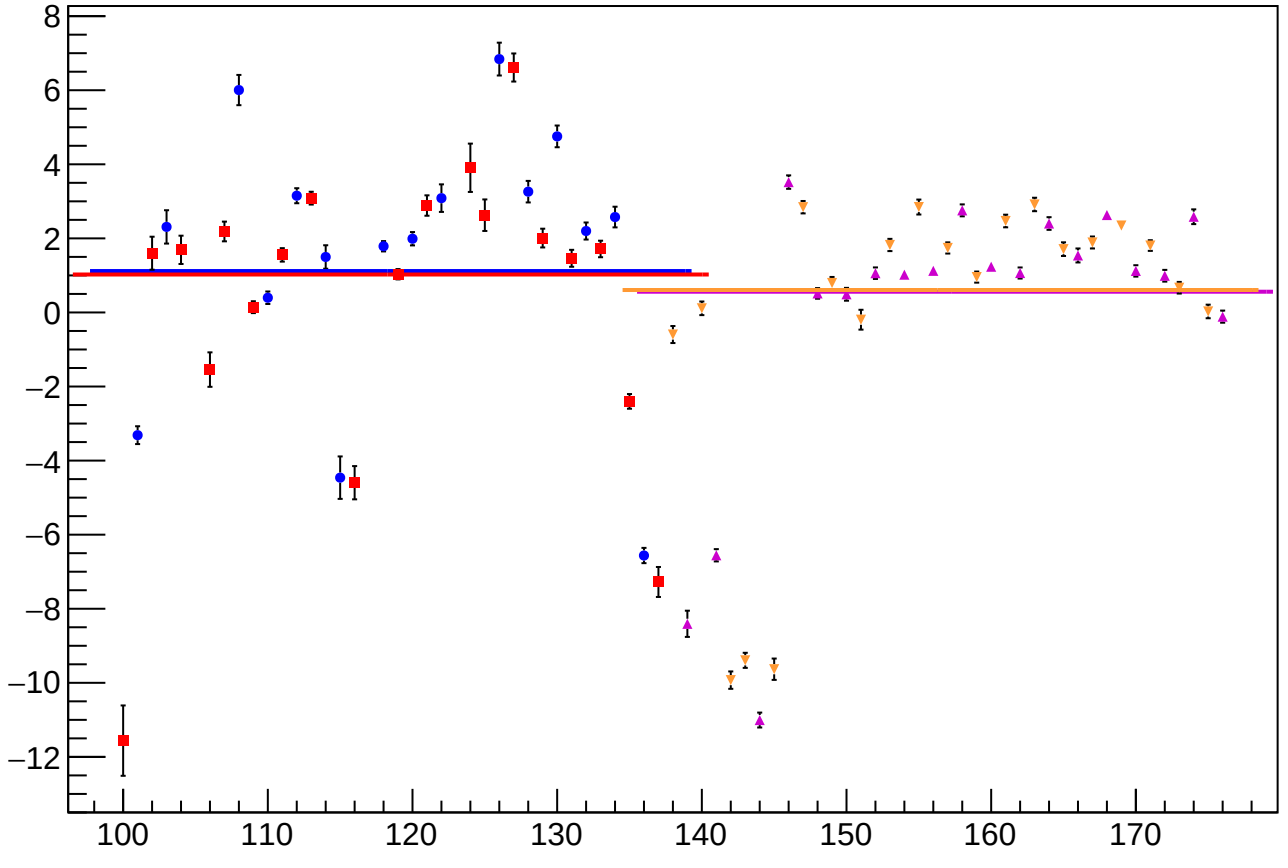
Left: 4.667+/-0.036 χ^2/NDF: 289052.2/38

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.113+/-0.036 χ^2/NDF:211184.4/34

Out: 1.474+/-0.035 χ^2/NDF:257830.8/38

All: 0.706+/-0.025 χ^2/NDF: 470014.5/73



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.606+/-0.039 χ^2/NDF:6772.5/19

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.560+/-0.035 χ^2/NDF:6842.7/18

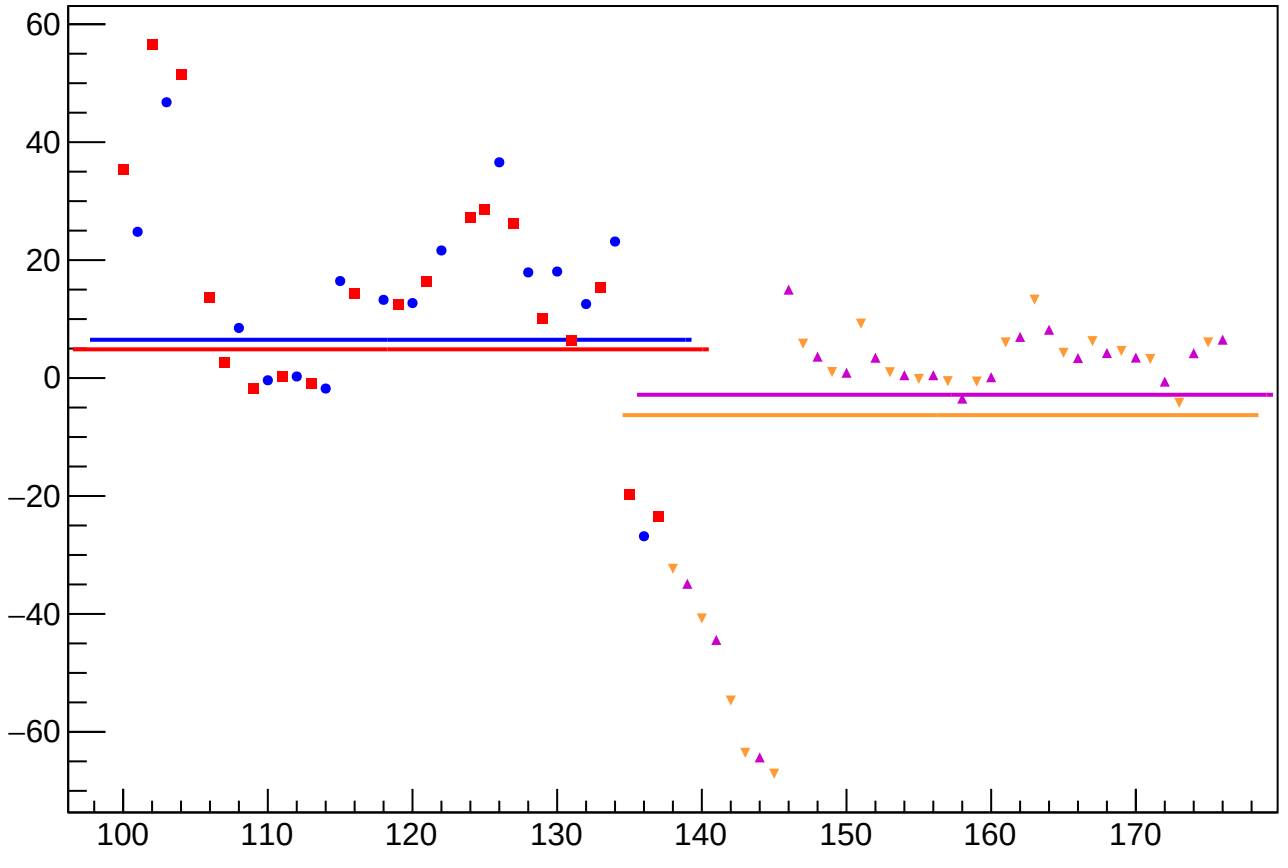
Left: 0.580+/-0.026 χ^2/NDF: 13616.0/38

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.701+/-0.030 χ^2/NDF:9498.1/34

Out: 0.740+/-0.032 χ^2/NDF:8420.8/38

All: 0.720+/-0.022 χ^2/NDF: 17919.7/73



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -6.287+/-0.053 χ^2/NDF:155408.7/19

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -2.832+/-0.047 χ^2/NDF:123098.7/18

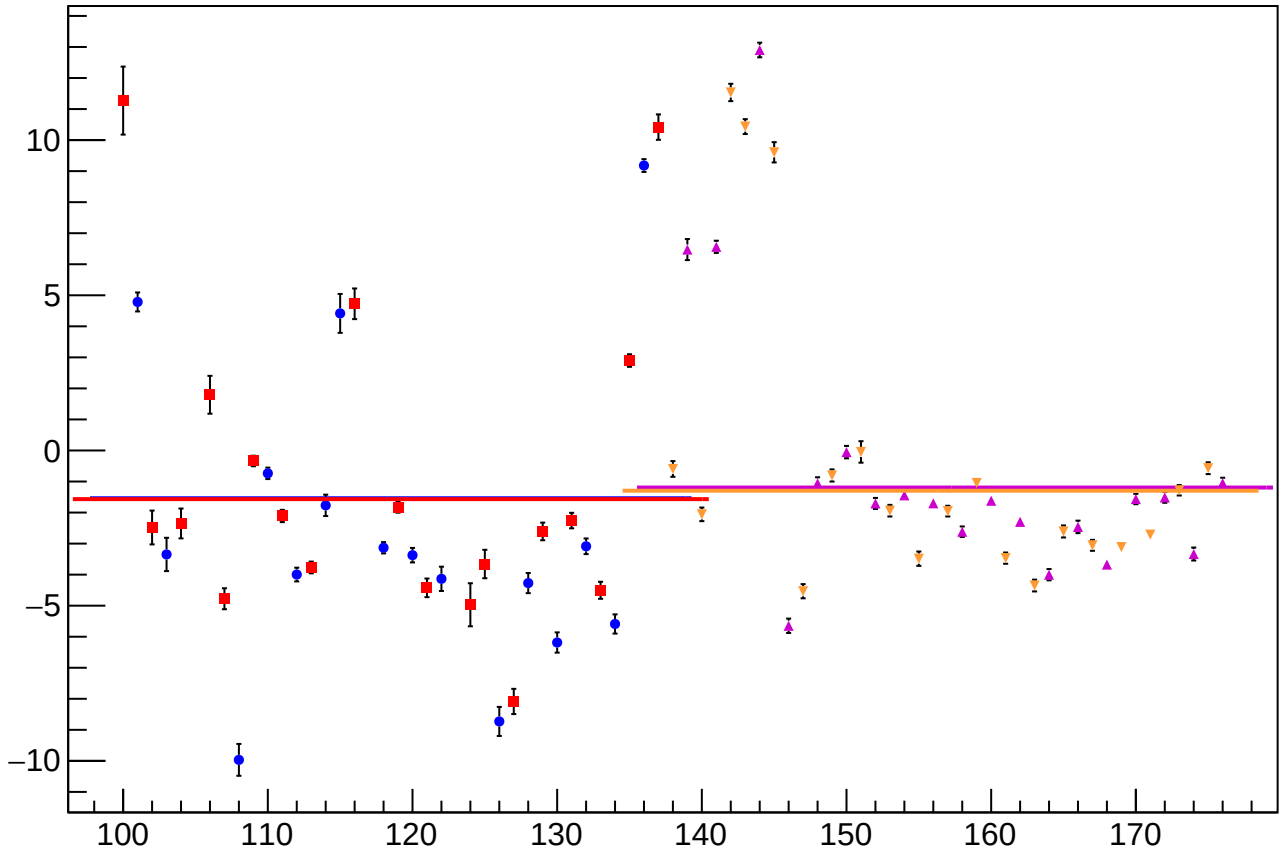
Left: -4.359+/-0.035 χ^2/NDF: 280922.5/38

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.331+/-0.038 χ^2/NDF:207227.6/34

Out: -1.372+/-0.039 χ^2/NDF:250544.6/38

All: -0.492+/-0.027 χ^2/NDF: 458743.2/73



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.296+/-0.044 χ^2/NDF:6747.9/19

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.194+/-0.040 χ^2/NDF:6843.1/18

Left: -1.240+/-0.029 χ^2/NDF: 13594.0/38

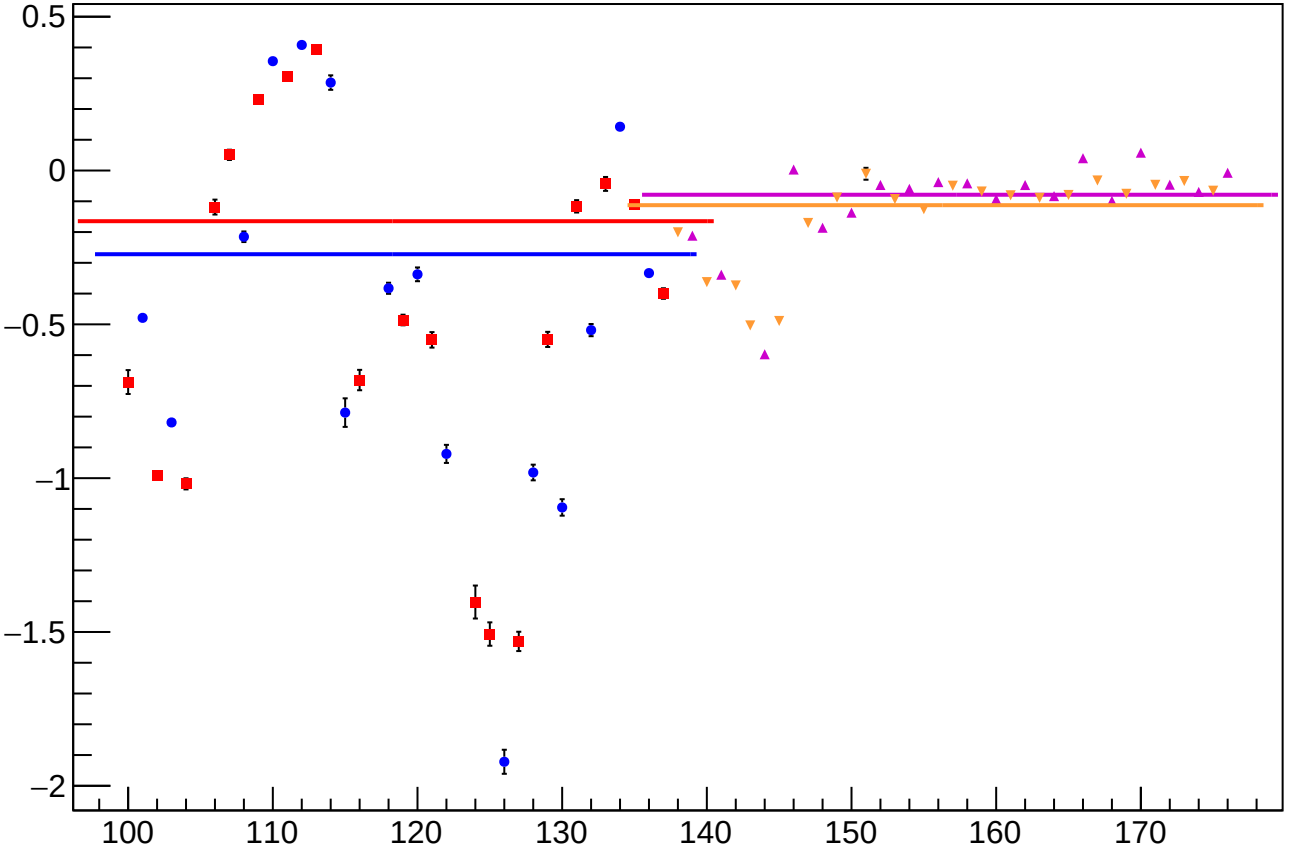
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.279+/-0.034 χ^2/NDF:11397.7/34

Out: -1.383+/-0.036 χ^2/NDF:9256.9/38

All: -1.328+/-0.025 χ^2/NDF: 20658.9/73

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: -0.113+/-0.002 χ^2/NDF:3502.7/19

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.079+/-0.002 χ^2/NDF:3782.8/18

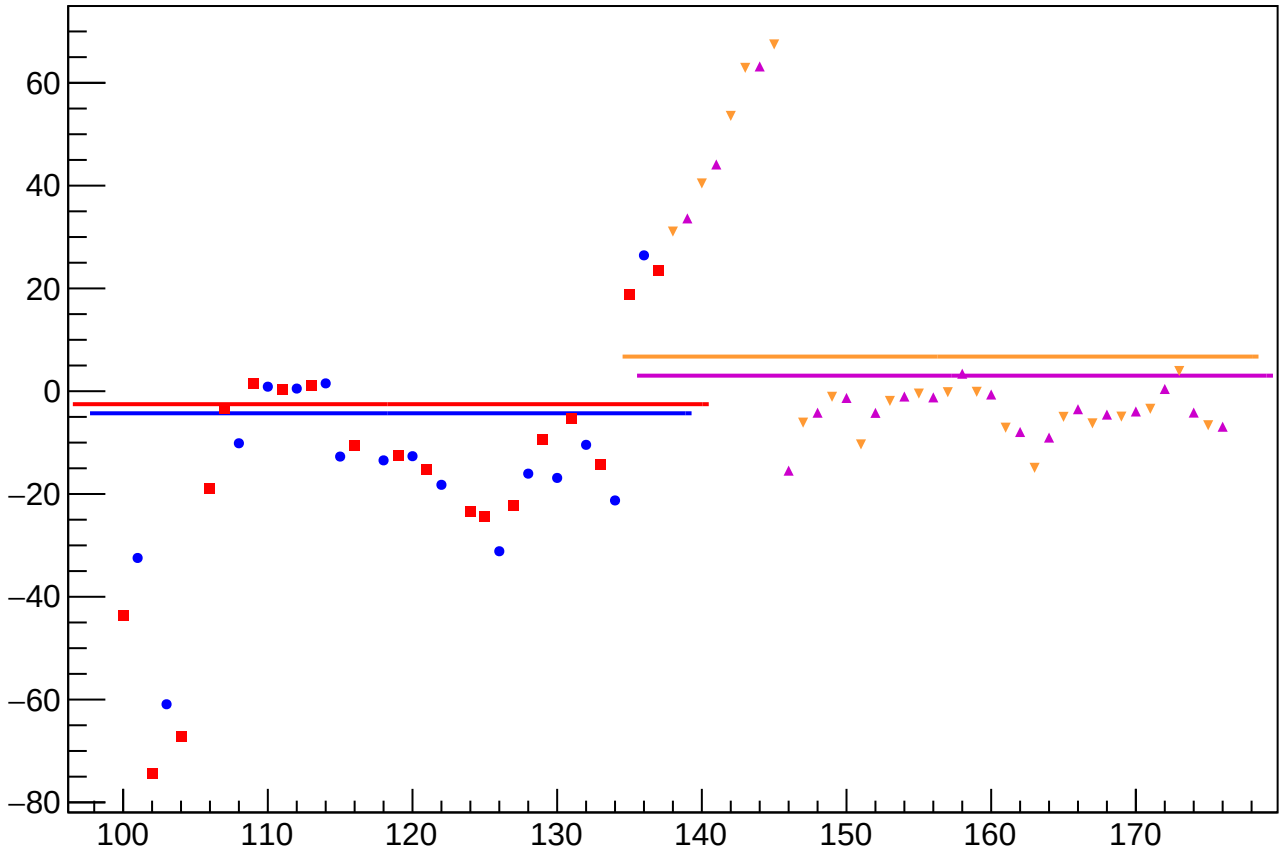
Left: -0.093+/-0.001 χ^2/NDF: 7461.0/38

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.106+/-0.002 χ^2/NDF:17708.6/34

Out: -0.123+/-0.002 χ^2/NDF:19141.9/38

All: -0.114+/-0.001 χ^2/NDF: 36909.4/73



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 6.738+/-0.054 χ^2/NDF:158113.5/19

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 3.026+/-0.049 χ^2/NDF:124070.5/18

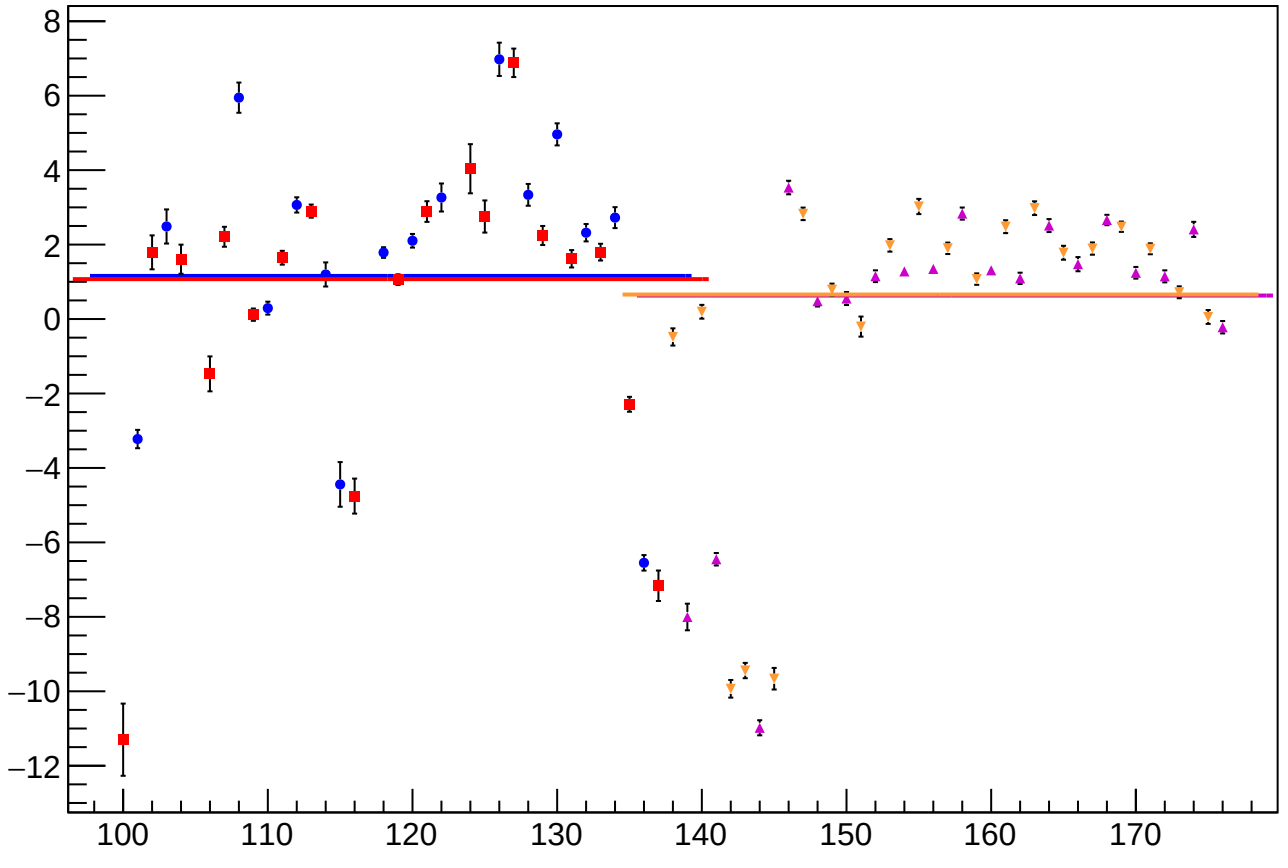
Left: 4.693+/-0.036 χ^2/NDF: 284768.2/38

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.161+/-0.037 χ^2/NDF:208033.9/34

Out: 1.473+/-0.036 χ^2/NDF:254595.3/38

All: 0.682+/-0.026 χ^2/NDF: 463647.9/73



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.658+/-0.040 χ^2/NDF:6754.7/19

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.631+/-0.036 χ^2/NDF:6668.4/18

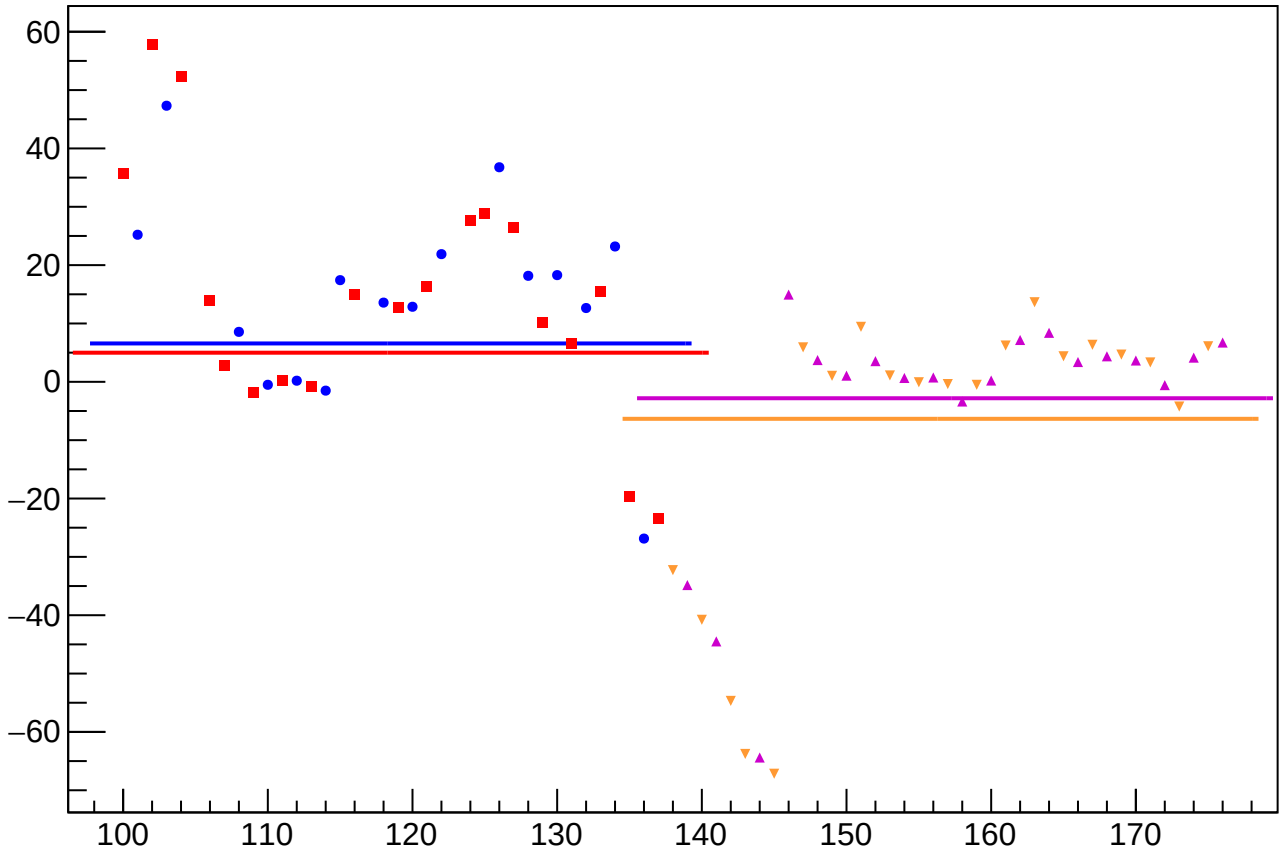
Left: 0.643+/-0.027 χ^2/NDF: 13423.4/38

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.765+/-0.031 χ^2/NDF:9273.0/34

Out: 0.791+/-0.033 χ^2/NDF:8340.3/38

All: 0.777+/-0.023 χ^2/NDF: 17613.6/73



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -6.339+/-0.053 χ^2/NDF:153143.7/19

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -2.814+/-0.048 χ^2/NDF:121169.3/18

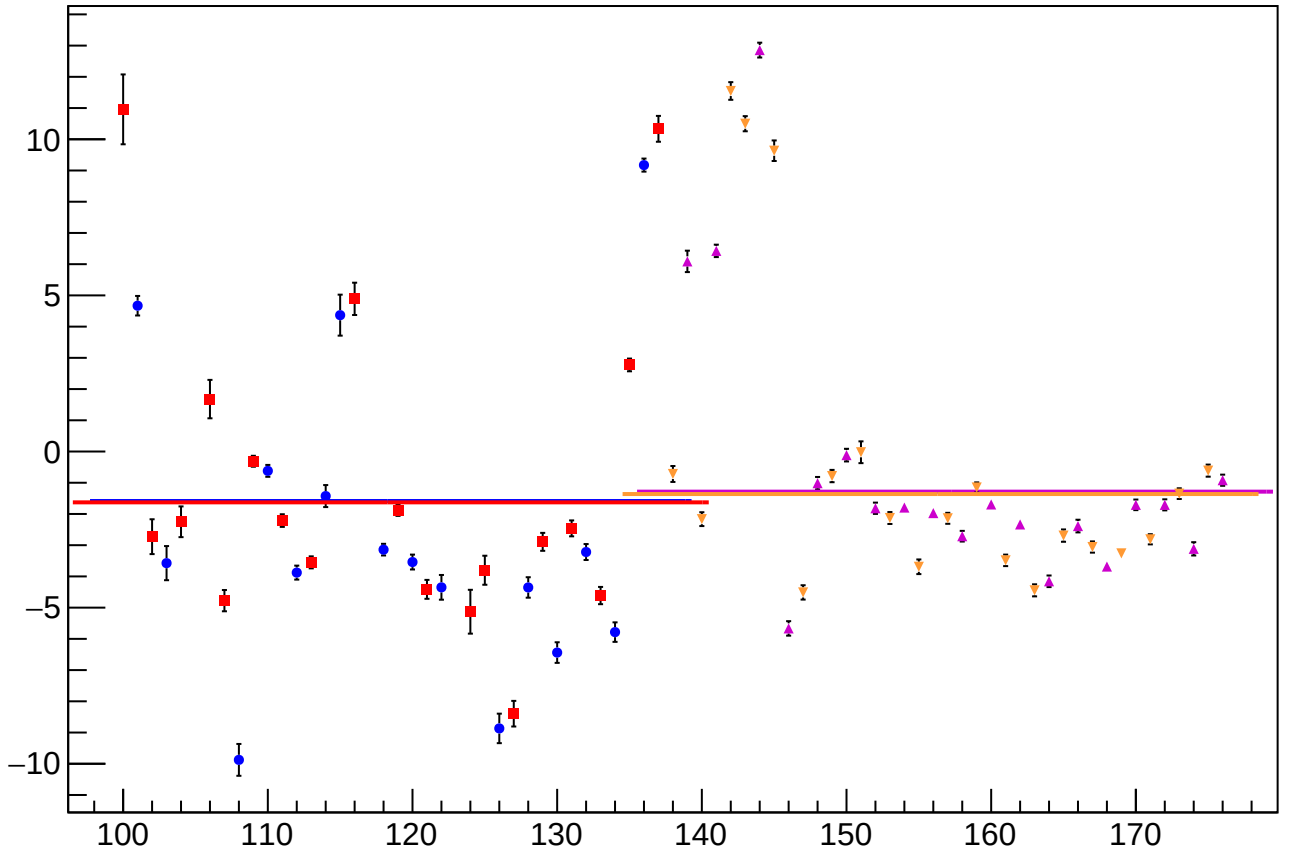
Left: -4.379+/-0.036 χ^2/NDF: 276738.4/38

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.383+/-0.039 χ^2/NDF:204099.7/34

Out: -1.372+/-0.040 χ^2/NDF:247358.1/38

All: -0.466+/-0.028 χ^2/NDF: 452450.5/73



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.362+/-0.045 χ^2/NDF:6726.6/19

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.285+/-0.040 χ^2/NDF:6646.8/18

Left: -1.319+/-0.030 χ^2/NDF: 13374.9/38

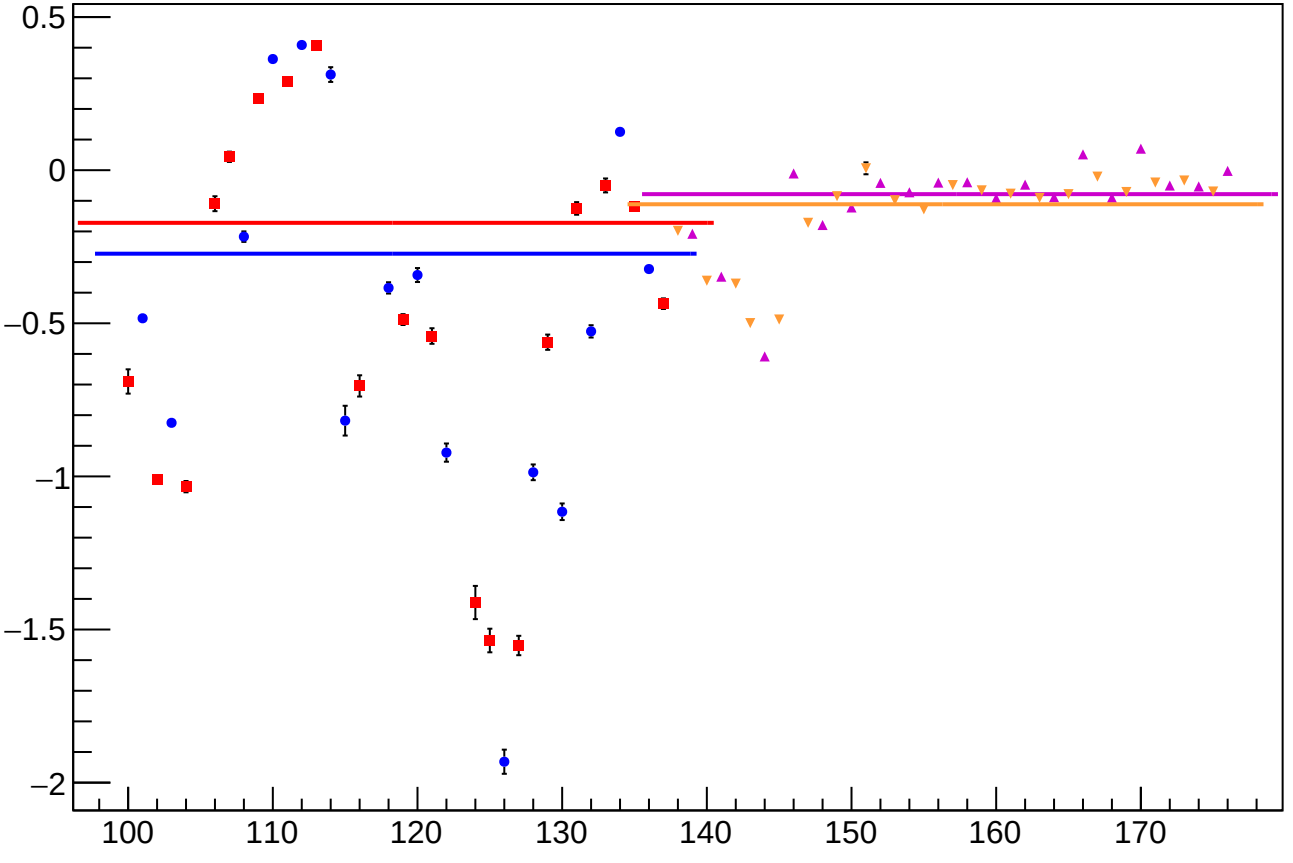
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.359+/-0.035 χ^2/NDF:11133.0/34

Out: -1.446+/-0.037 χ^2/NDF:9160.0/38

All: -1.400+/-0.025 χ^2/NDF: 20295.9/73

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: -0.111+/-0.002 χ^2/NDF:3451.3/19

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.078+/-0.002 χ^2/NDF:3857.2/18

Left: -0.092+/-0.001 χ^2/NDF: 7469.0/38

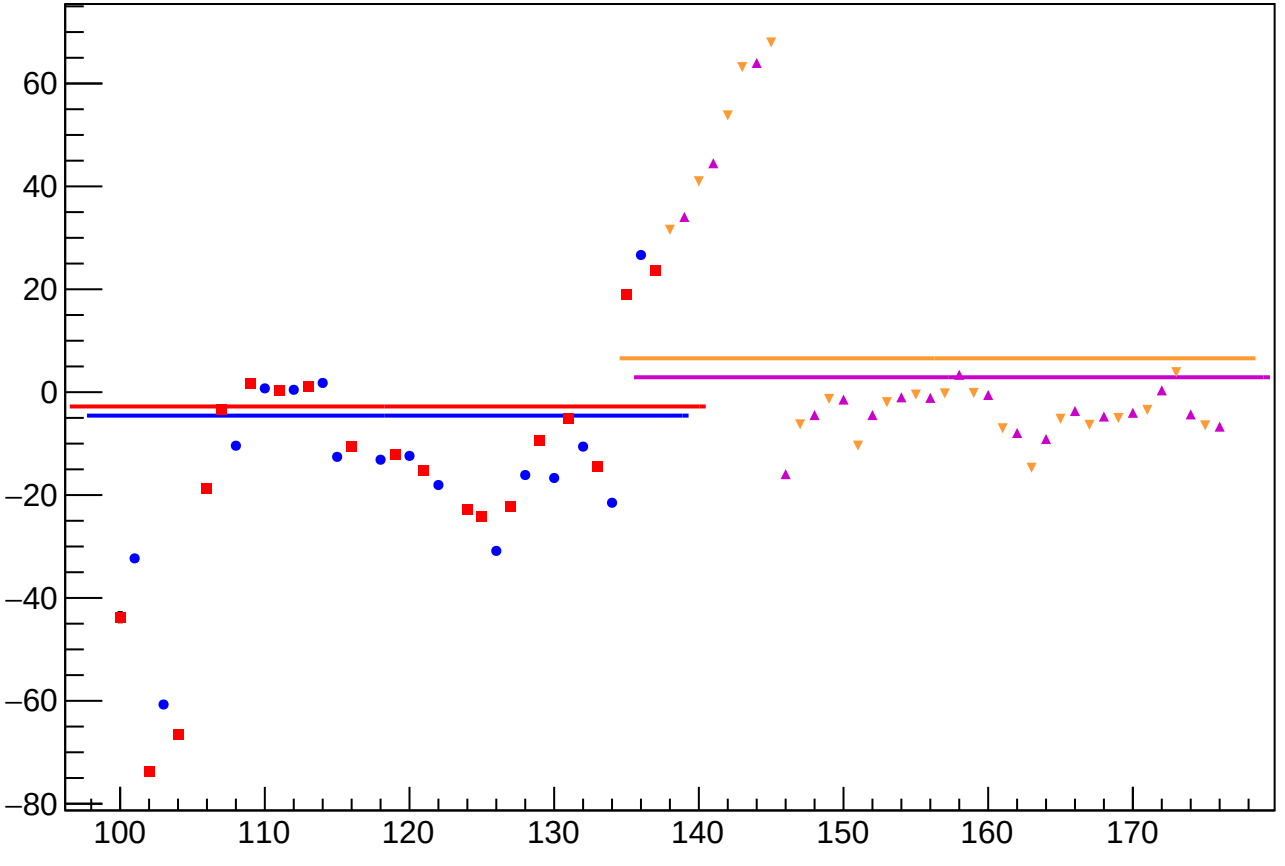
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.106+/-0.002 χ^2/NDF:17536.8/34

Out: -0.124+/-0.002 χ^2/NDF:18968.7/38

All: -0.114+/-0.001 χ^2/NDF: 36565.2/73

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: 6.583+/-0.055 χ^2/NDF:156006.7/19

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 2.898+/-0.049 χ^2/NDF:122809.1/18

Left: 4.553+/-0.037 χ^2/NDF: 281313.8/38

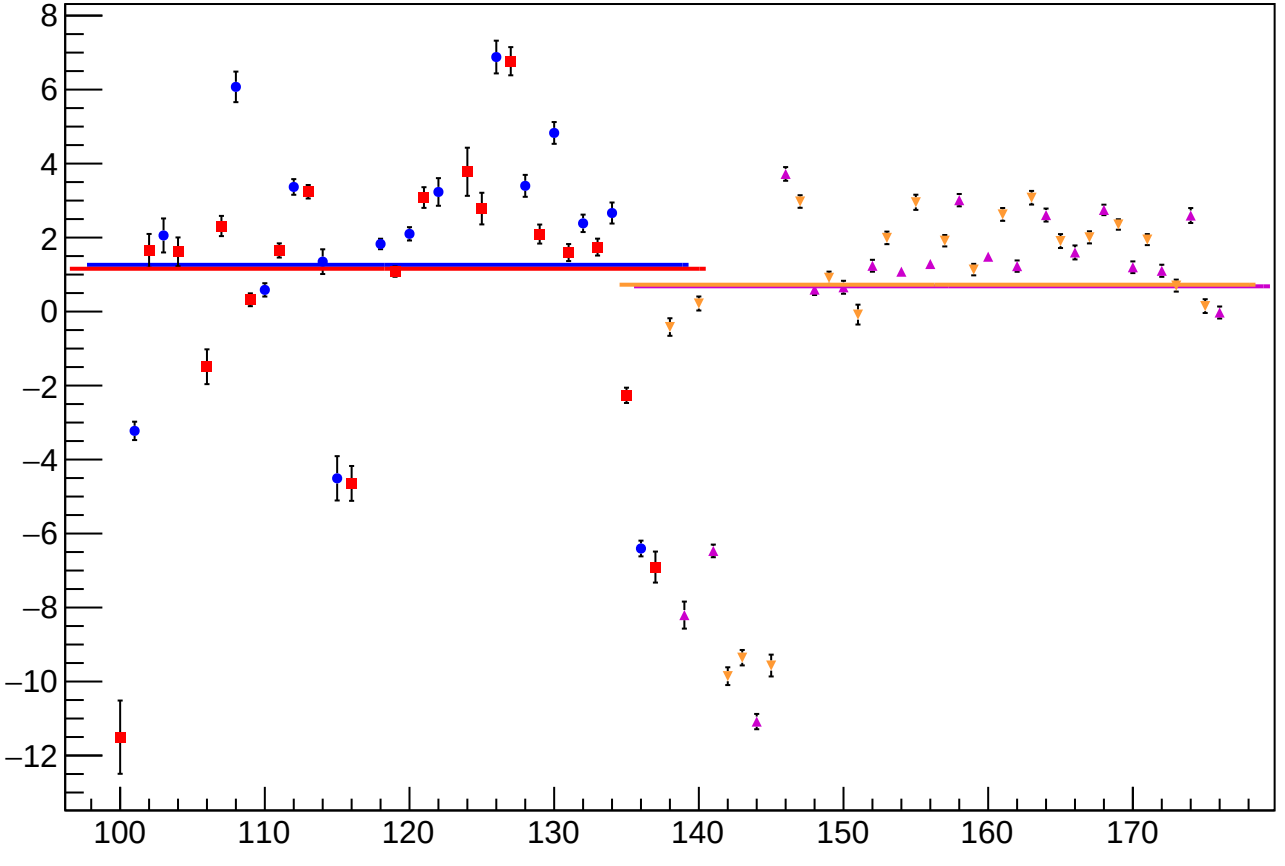
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.314+/-0.037 χ^2/NDF:205249.5/34

Out: 1.340+/-0.036 χ^2/NDF:250304.6/38

All: 0.535+/-0.026 χ^2/NDF: 456564.0/73

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: 0.726+/-0.040 χ^2/NDF:6540.5/19

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.682+/-0.036 χ^2/NDF:6627.5/18

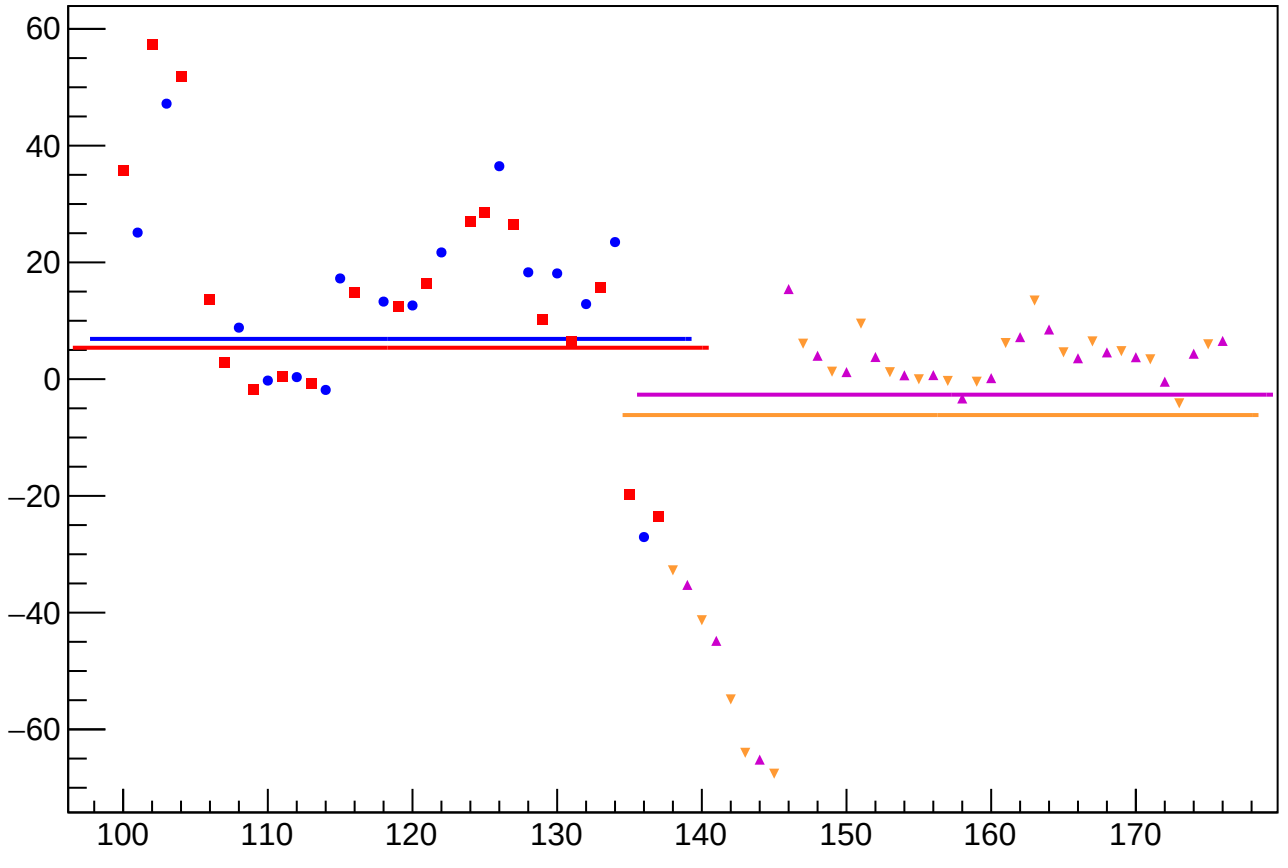
Left: 0.702+/-0.027 χ^2/NDF: 13168.7/38

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.831+/-0.031 χ^2/NDF:9136.6/34

Out: 0.864+/-0.033 χ^2/NDF:8067.2/38

All: 0.846+/-0.023 χ^2/NDF: 17204.4/73



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -6.152+/-0.054 χ^2/NDF:150984.6/19

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -2.660+/-0.048 χ^2/NDF:119881.9/18

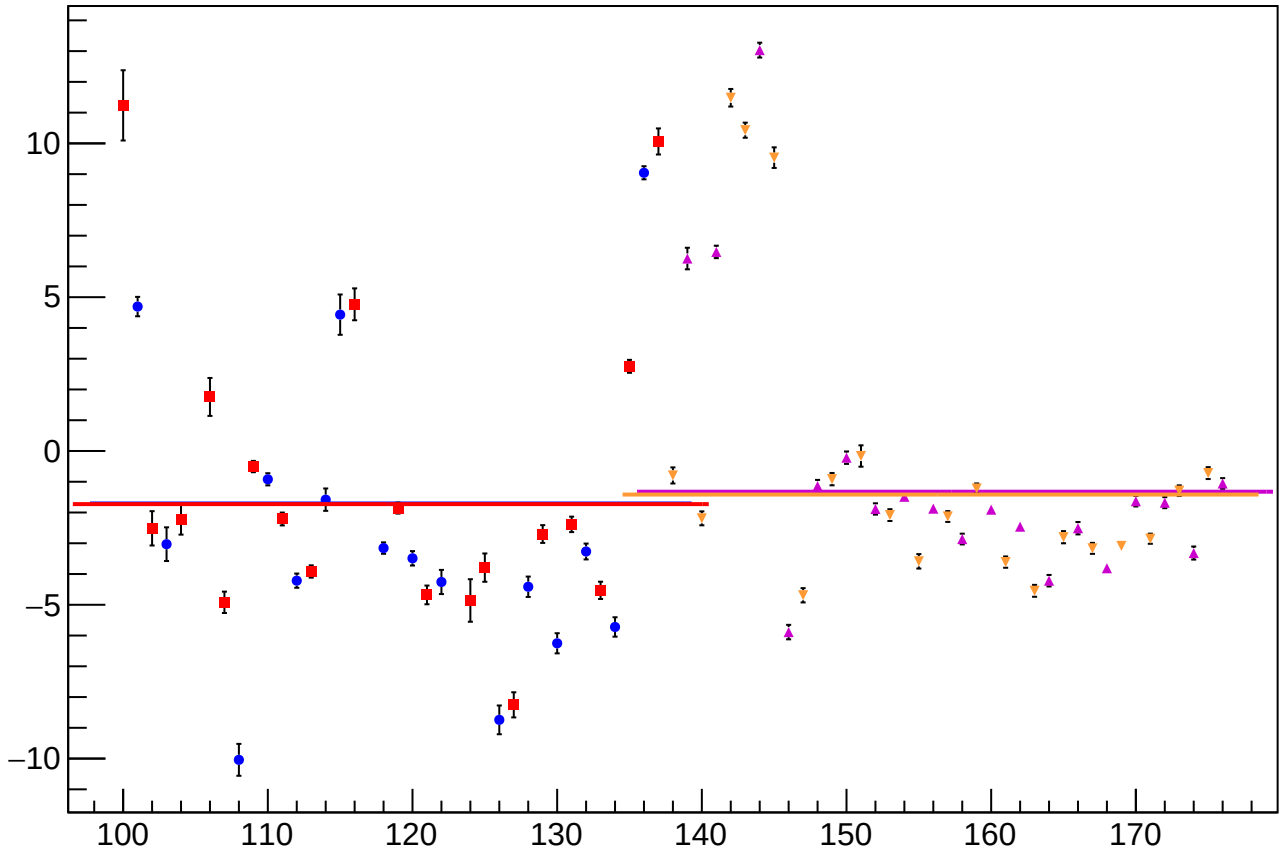
Left: -4.212+/-0.036 χ^2/NDF: 273201.0/38

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.573+/-0.039 χ^2/NDF:201239.6/34

Out: -1.162+/-0.041 χ^2/NDF:243045.4/38

All: -0.264+/-0.028 χ^2/NDF: 445231.3/73



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.416+/-0.045 χ^2/NDF:6524.3/19

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.324+/-0.041 χ^2/NDF:6644.8/18

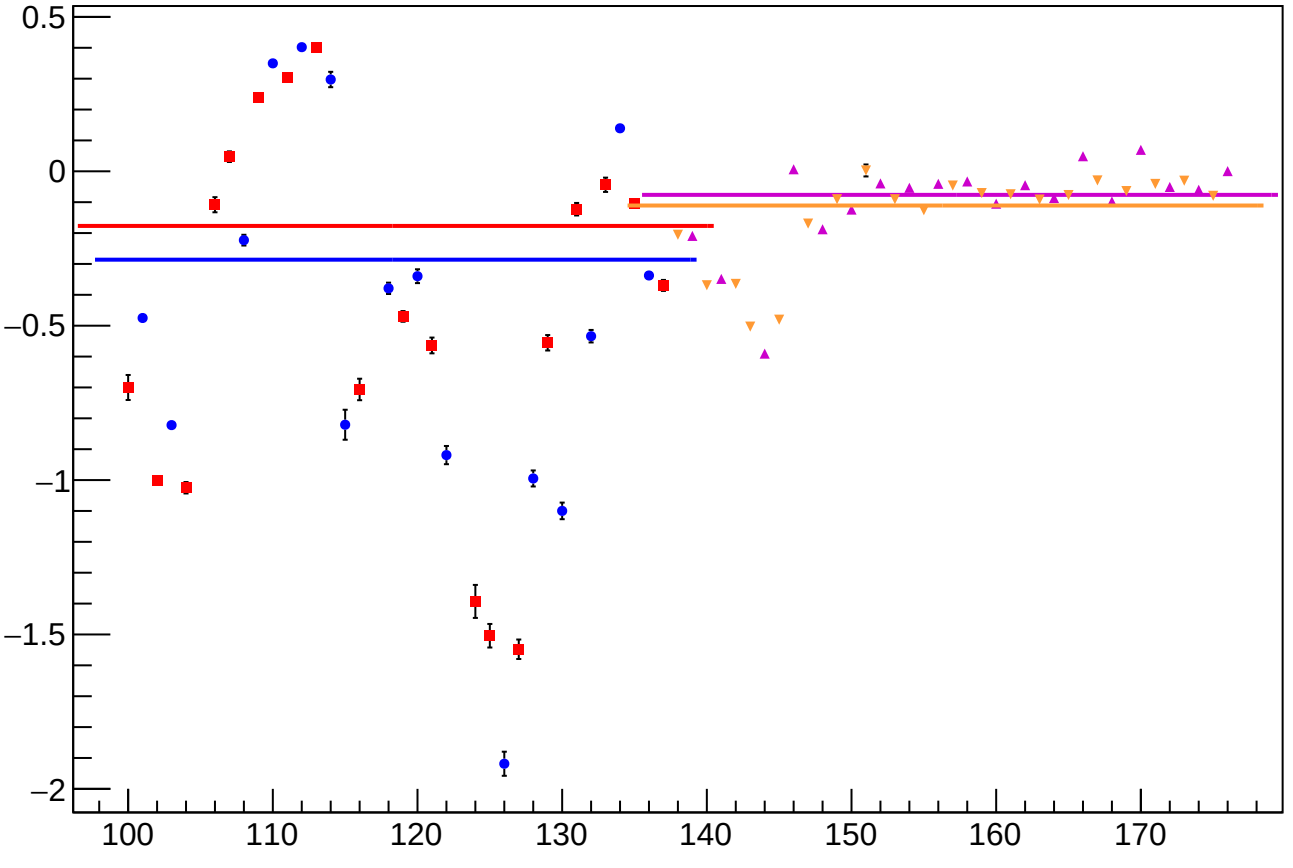
Left: -1.365+/-0.030 χ^2/NDF: 13171.4/38

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.418+/-0.035 χ^2/NDF:10956.2/34

Out: -1.514+/-0.038 χ^2/NDF:8848.7/38

All: -1.464+/-0.026 χ^2/NDF: 19808.4/73



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.111+/-0.002 χ^2/NDF:3377.1/19

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.076+/-0.002 χ^2/NDF:3729.4/18

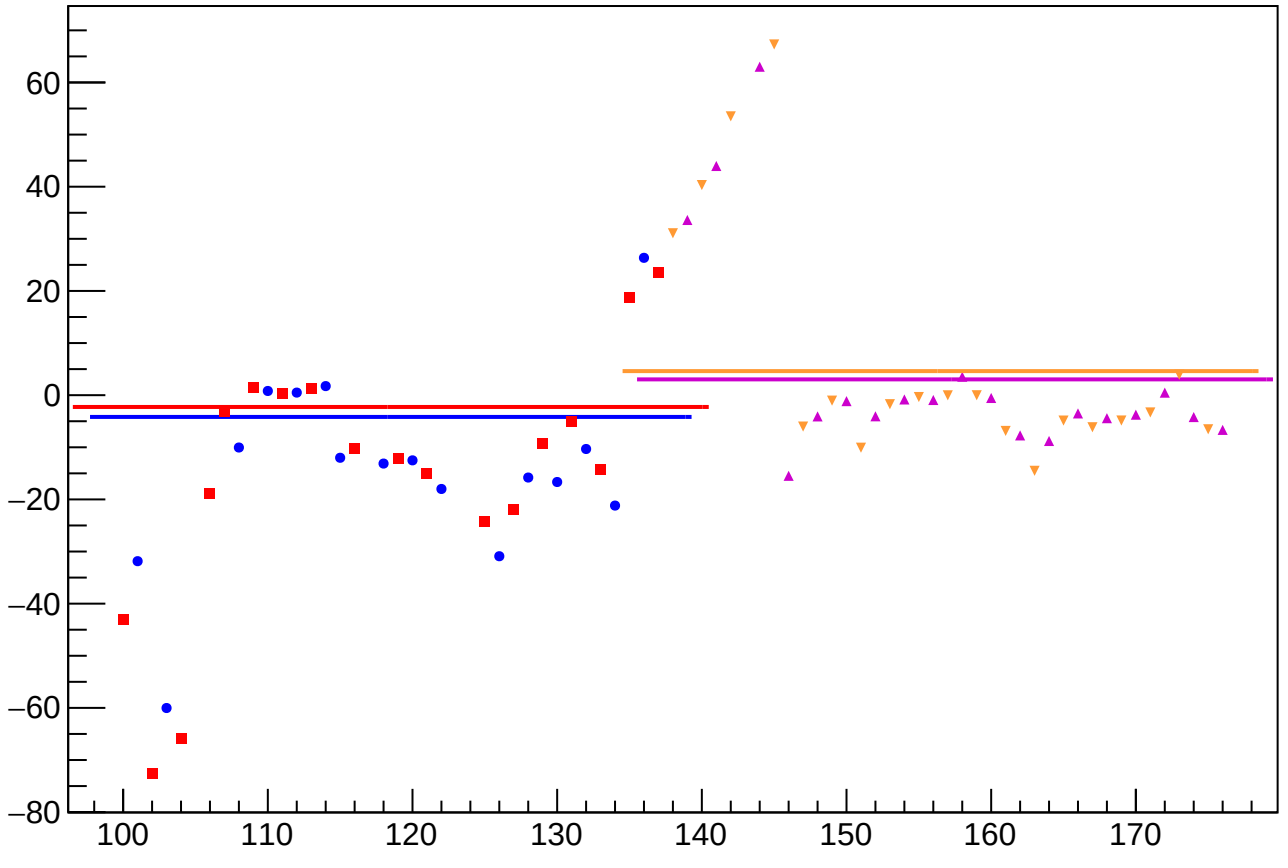
Left: -0.091+/-0.001 χ^2/NDF: 7278.2/38

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.106+/-0.002 χ^2/NDF:17159.2/34

Out: -0.124+/-0.002 χ^2/NDF:18368.1/38

All: -0.114+/-0.001 χ^2/NDF: 35587.7/73



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 4.618+/-0.054 χ^2/NDF:120136.0/18

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.030+/-0.048 χ^2/NDF:126270.9/18

Left: 3.725+/-0.036 χ^2/NDF: 246890.6/37

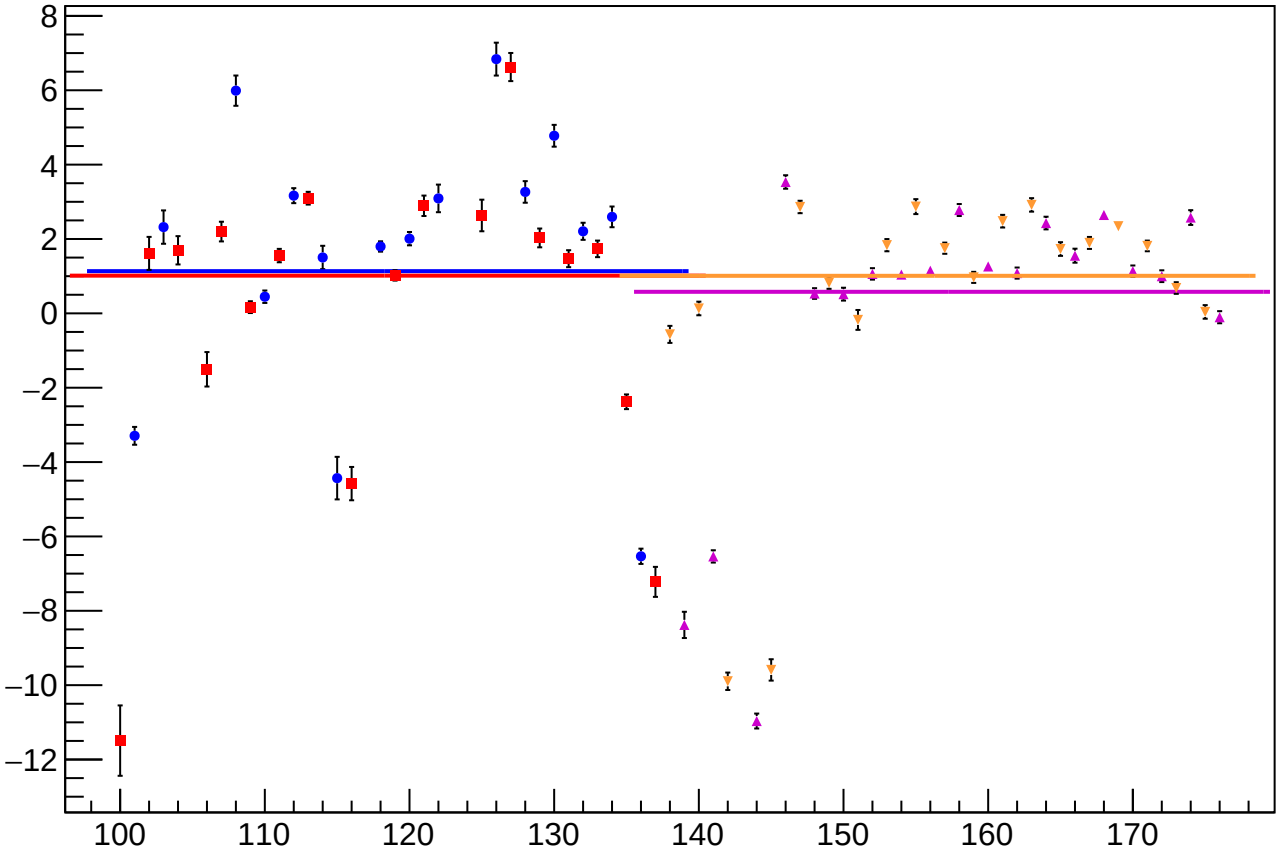
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.104+/-0.036 χ^2/NDF:211551.2/34

Out: 0.625+/-0.035 χ^2/NDF:209128.5/36

All: 0.269+/-0.025 χ^2/NDF: 420890.8/71

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.010+/-0.040 χ^2/NDF:4267.2/18

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.579+/-0.035 χ^2/NDF:6862.4/18

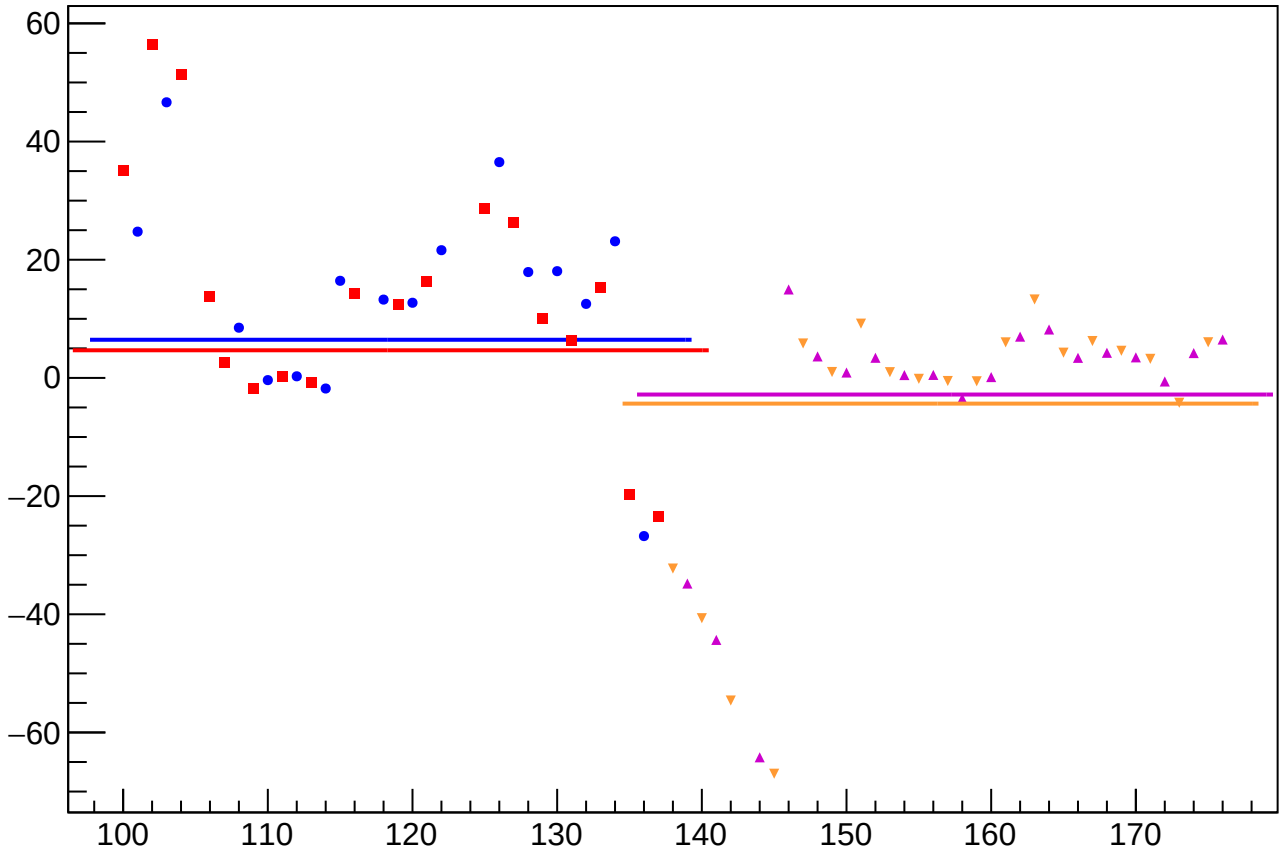
Left: 0.766+/-0.026 χ^2/NDF: 11194.9/37

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.720+/-0.030 χ^2/NDF:9521.7/34

Out: 1.011+/-0.033 χ^2/NDF:5860.2/36

All: 0.854+/-0.022 χ^2/NDF: 15424.3/71



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -4.350+/-0.053 χ^2/NDF:115676.6/18

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.812+/-0.047 χ^2/NDF:123325.7/18

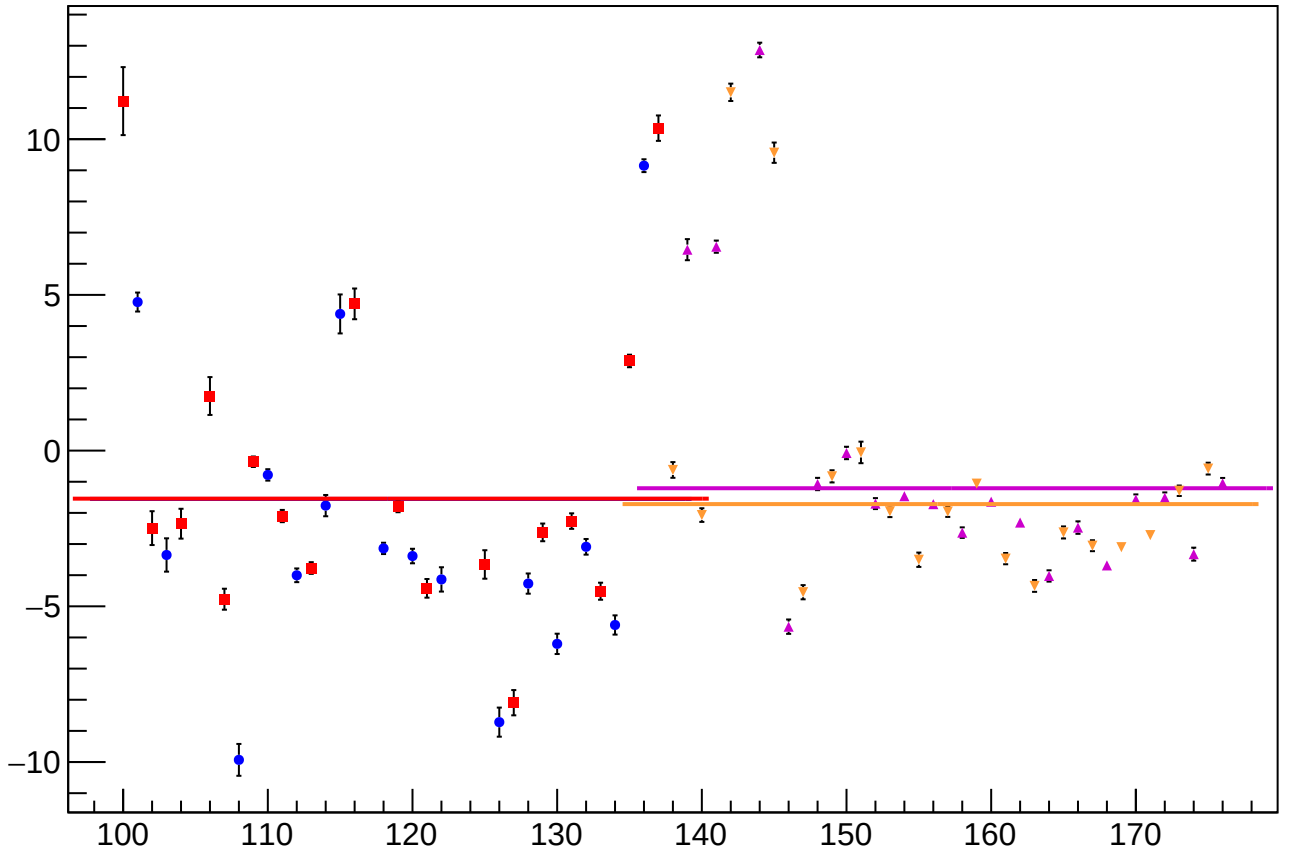
Left: -3.478+/-0.035 χ^2/NDF: 239475.2/37

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.333+/-0.038 χ^2/NDF:207573.1/34

Out: -0.306+/-0.040 χ^2/NDF:202973.3/36

All: 0.028+/-0.027 χ^2/NDF: 410682.5/71



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.718+/-0.045 χ^2/NDF:4271.2/18

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.208+/-0.039 χ^2/NDF:6860.7/18

Left: -1.430+/-0.030 χ^2/NDF: 11204.6/37

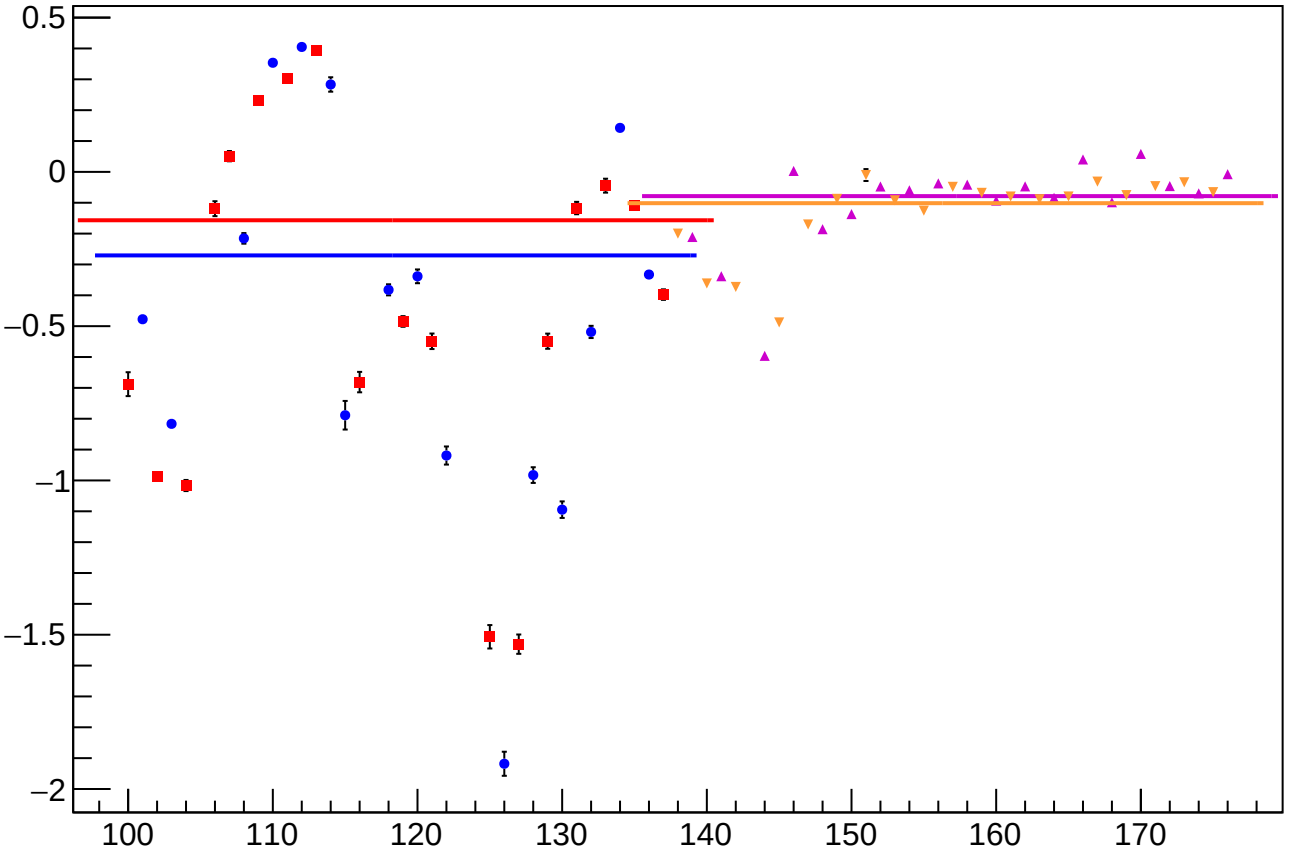
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.292+/-0.034 χ^2/NDF:11422.8/34

Out: -1.661+/-0.037 χ^2/NDF:6749.1/36

All: -1.463+/-0.025 χ^2/NDF: 18225.6/71

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: -0.101+/-0.002 χ^2/NDF:2393.9/18

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.079+/-0.002 χ^2/NDF:3792.1/18

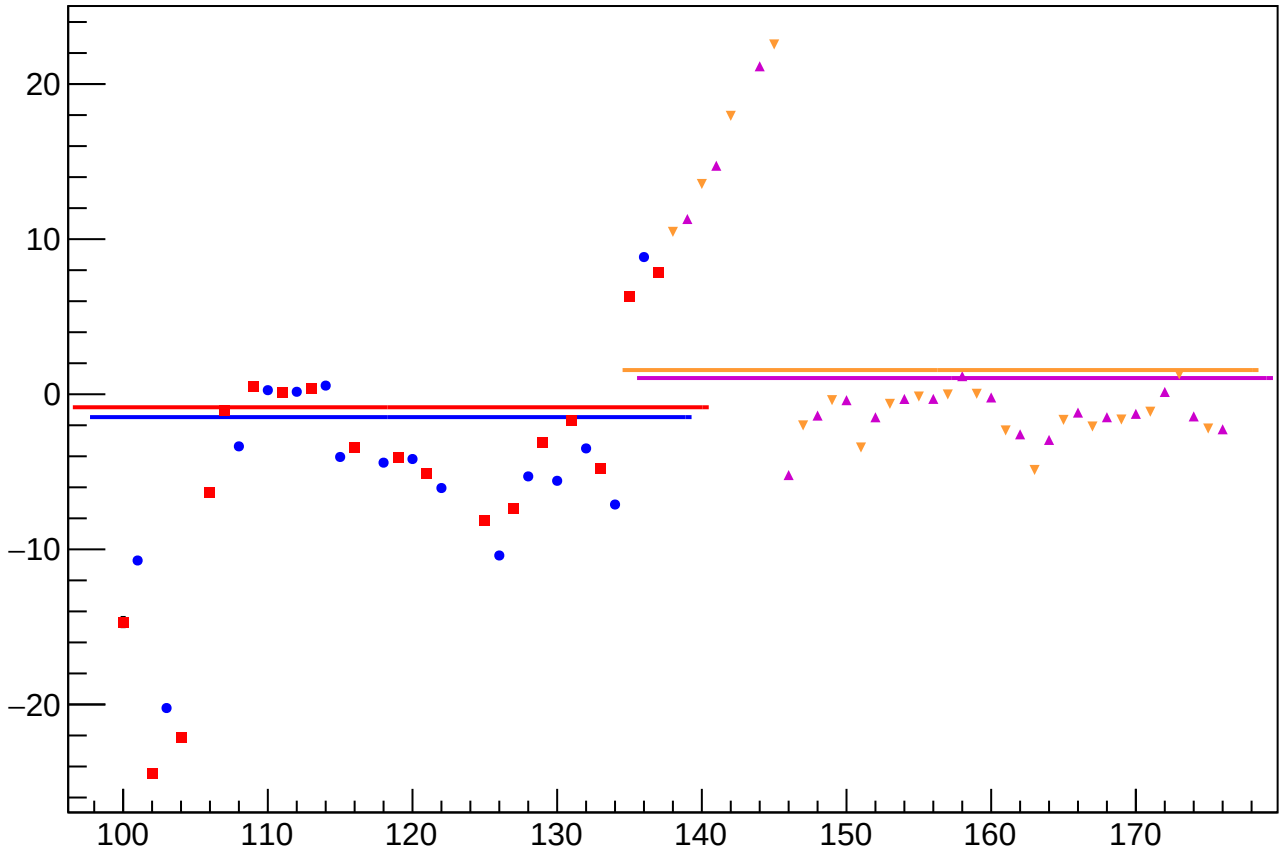
Left: -0.088+/-0.001 χ^2/NDF: 6265.2/37

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.105+/-0.002 χ^2/NDF:17742.4/34

Out: -0.113+/-0.002 χ^2/NDF:17581.2/36

All: -0.109+/-0.001 χ^2/NDF: 35335.0/71



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.560+/-0.018 χ^2/NDF:118116.0/18

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.045+/-0.016 χ^2/NDF:123694.5/18

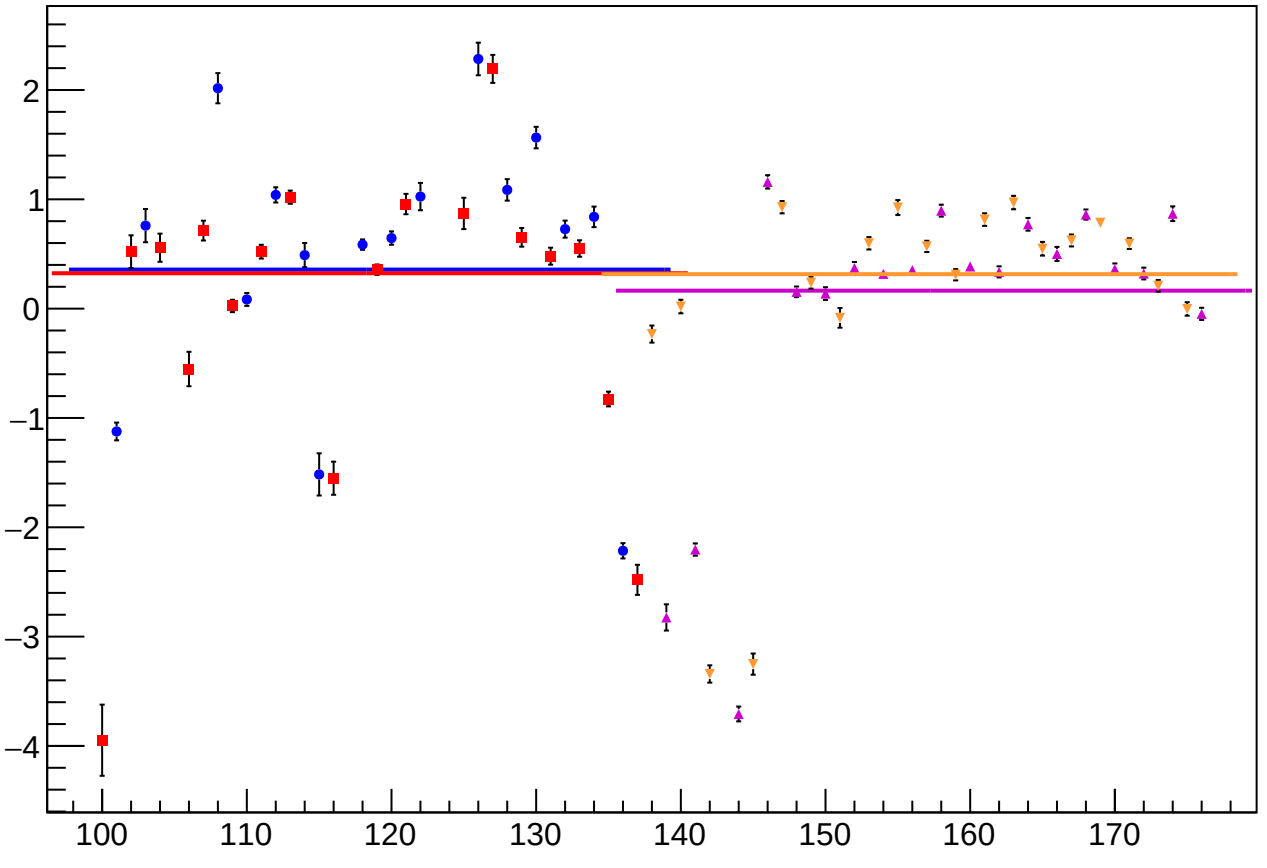
Left: 1.272+/-0.012 χ^2/NDF: 242245.7/37

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.047+/-0.012 χ^2/NDF:207653.5/34

Out: 0.193+/-0.012 χ^2/NDF:205753.4/36

All: 0.075+/-0.009 χ^2/NDF: 413599.3/71



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.315+/-0.014 χ^2/NDF:4223.7/18

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.164+/-0.012 χ^2/NDF:6701.7/18

Left: 0.231+/-0.009 χ^2/NDF: 10994.0/37

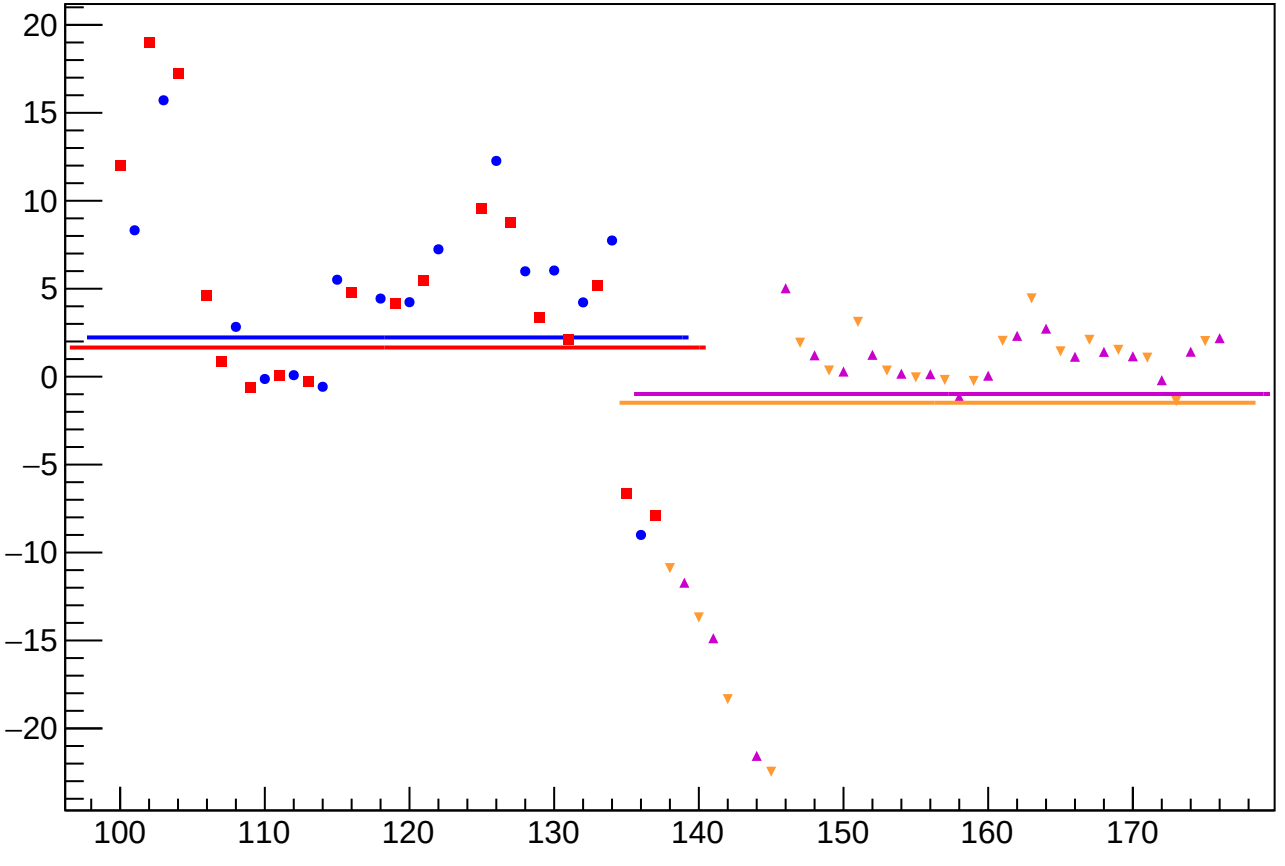
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.214+/-0.010 χ^2/NDF:9310.0/34

Out: 0.318+/-0.011 χ^2/NDF:5782.7/36

All: 0.262+/-0.008 χ^2/NDF: 15139.3/71

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.484+/-0.018 χ^2/NDF:113739.8/18

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.985+/-0.016 χ^2/NDF:120858.6/18

Left: -1.203+/-0.012 χ^2/NDF: 235023.4/37

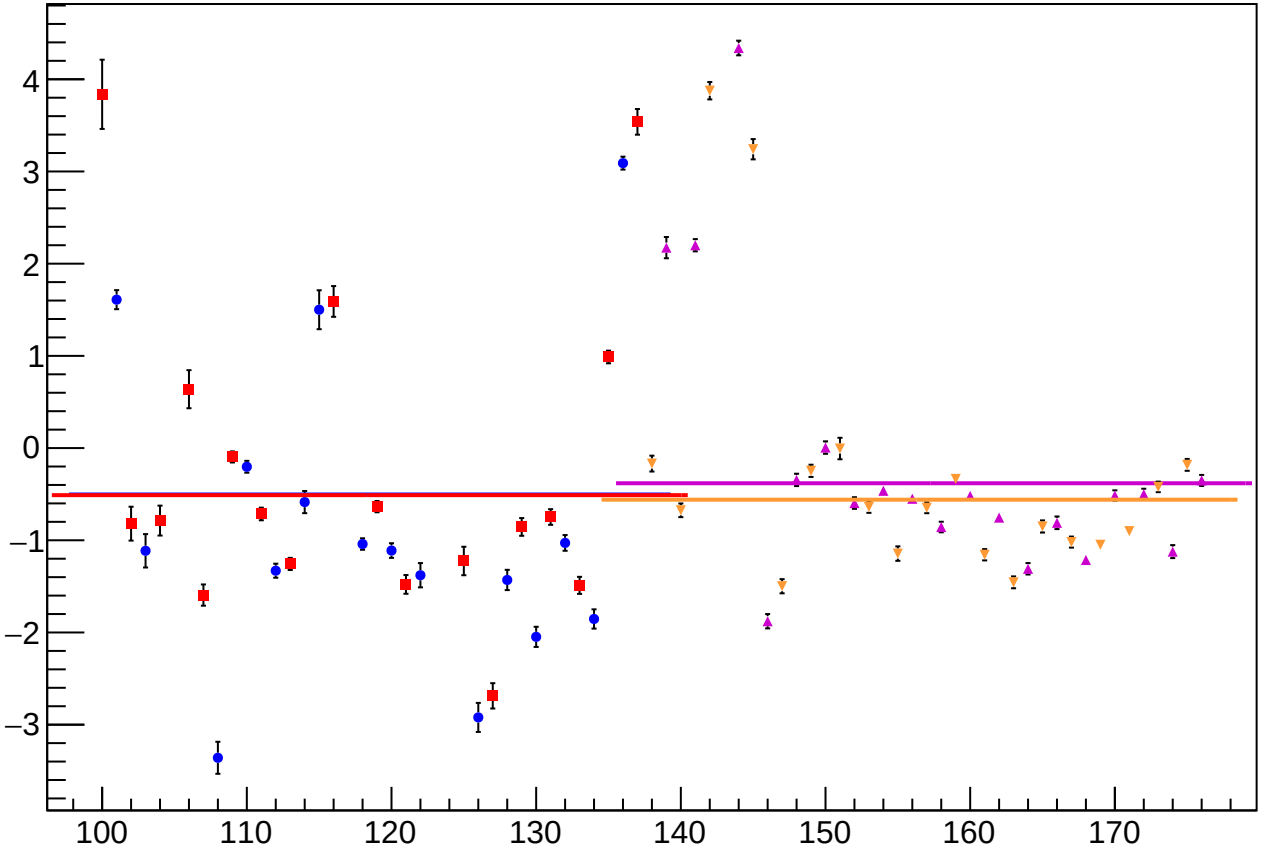
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.108+/-0.013 χ^2/NDF:203805.8/34

Out: -0.100+/-0.014 χ^2/NDF:199730.1/36

All: 0.009+/-0.009 χ^2/NDF: 403658.6/71

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: -0.560+/-0.015 χ^2/NDF:4230.2/18

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.381+/-0.014 χ^2/NDF:6709.7/18

Left: -0.460+/-0.010 χ^2/NDF: 11016.1/37

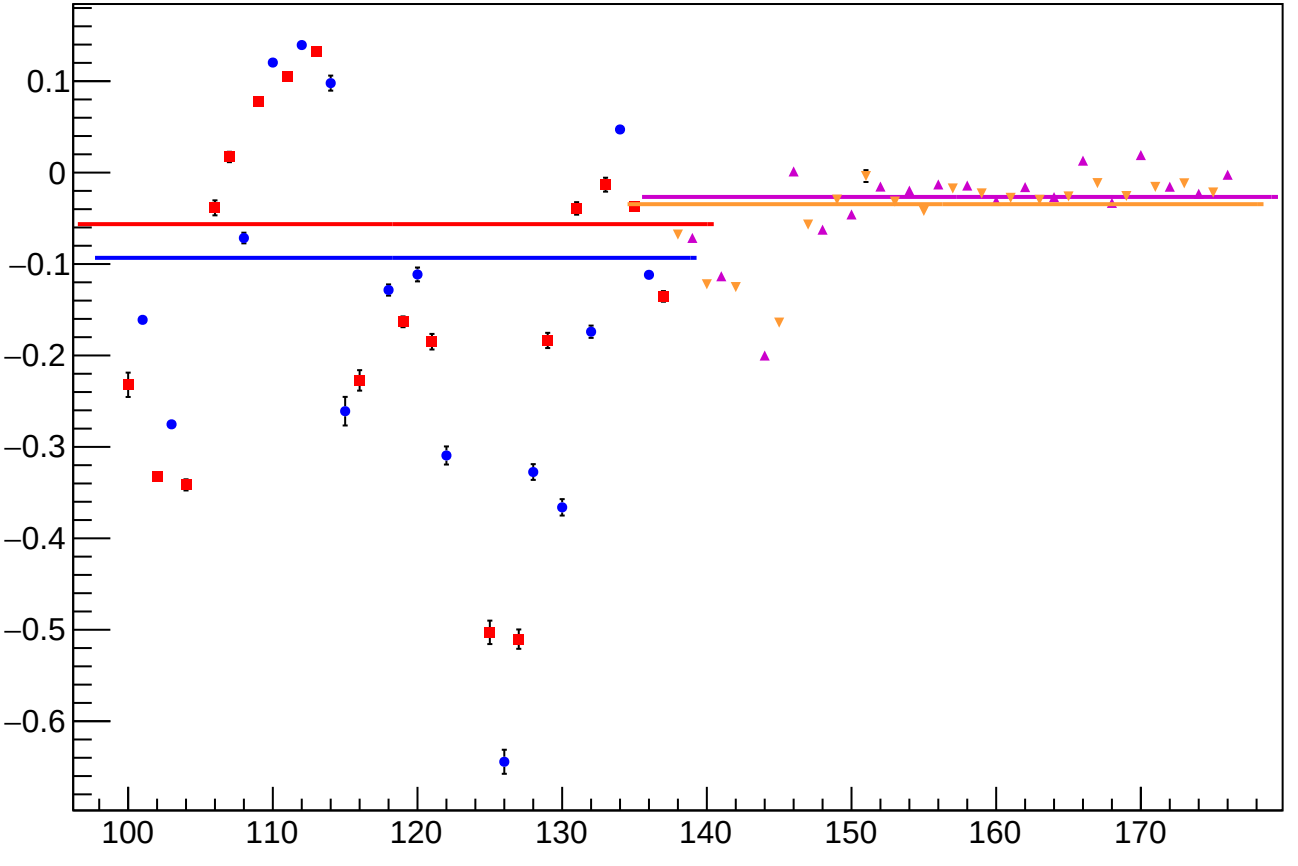
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.412+/-0.012 χ^2/NDF:11177.0/34

Out: -0.544+/-0.013 χ^2/NDF:6657.5/36

All: -0.473+/-0.009 χ^2/NDF: 17893.6/71

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: -0.035+/-0.001 χ^2/NDF:2348.9/18

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.027+/-0.001 χ^2/NDF:3707.1/18

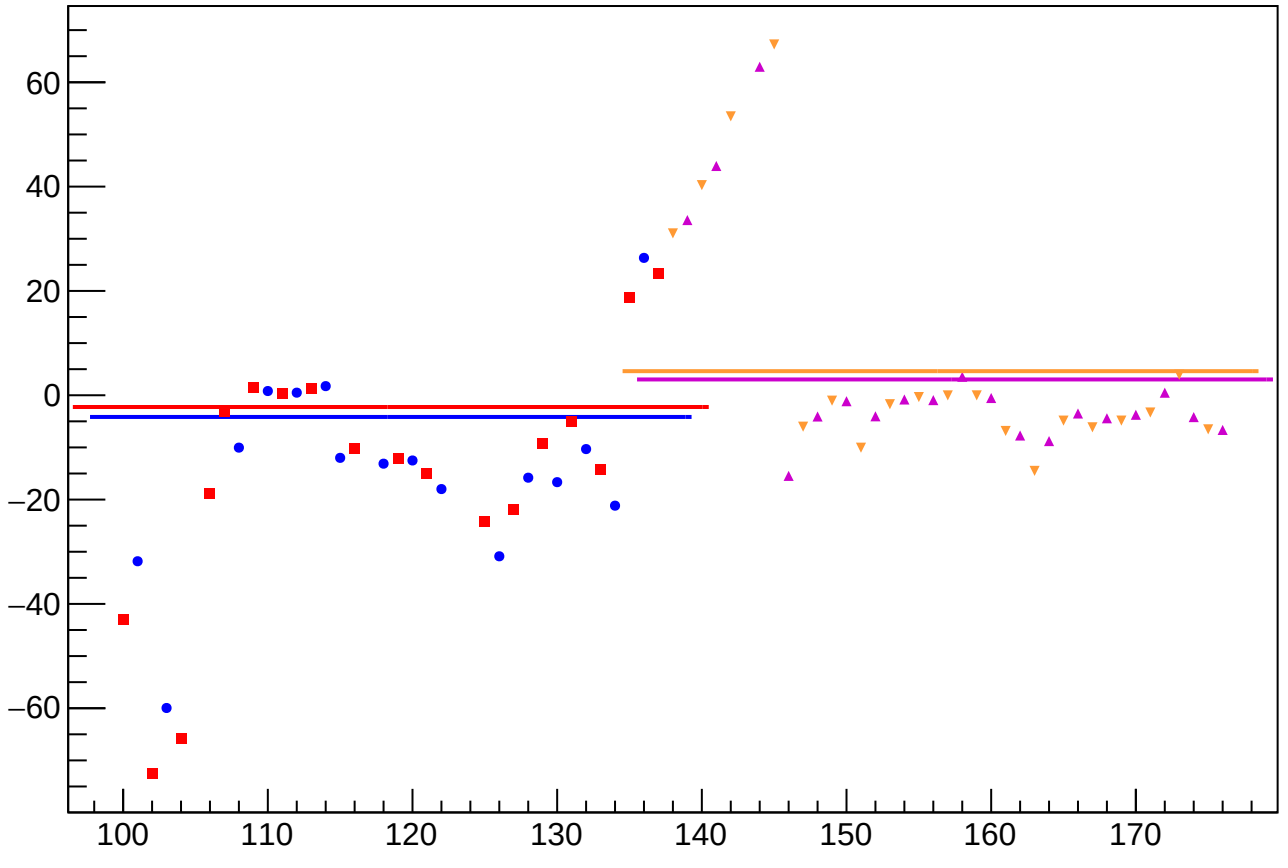
Left: -0.030+/-0.000 χ^2/NDF: 6137.1/37

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.036+/-0.001 χ^2/NDF:17356.7/34

Out: -0.039+/-0.001 χ^2/NDF:17027.5/36

All: -0.037+/-0.000 χ^2/NDF: 34399.3/71



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 4.618+/-0.054 χ^2/NDF:120120.3/18

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.030+/-0.048 χ^2/NDF:126284.9/18

Left: 3.725+/-0.036 χ^2/NDF: 246889.9/37

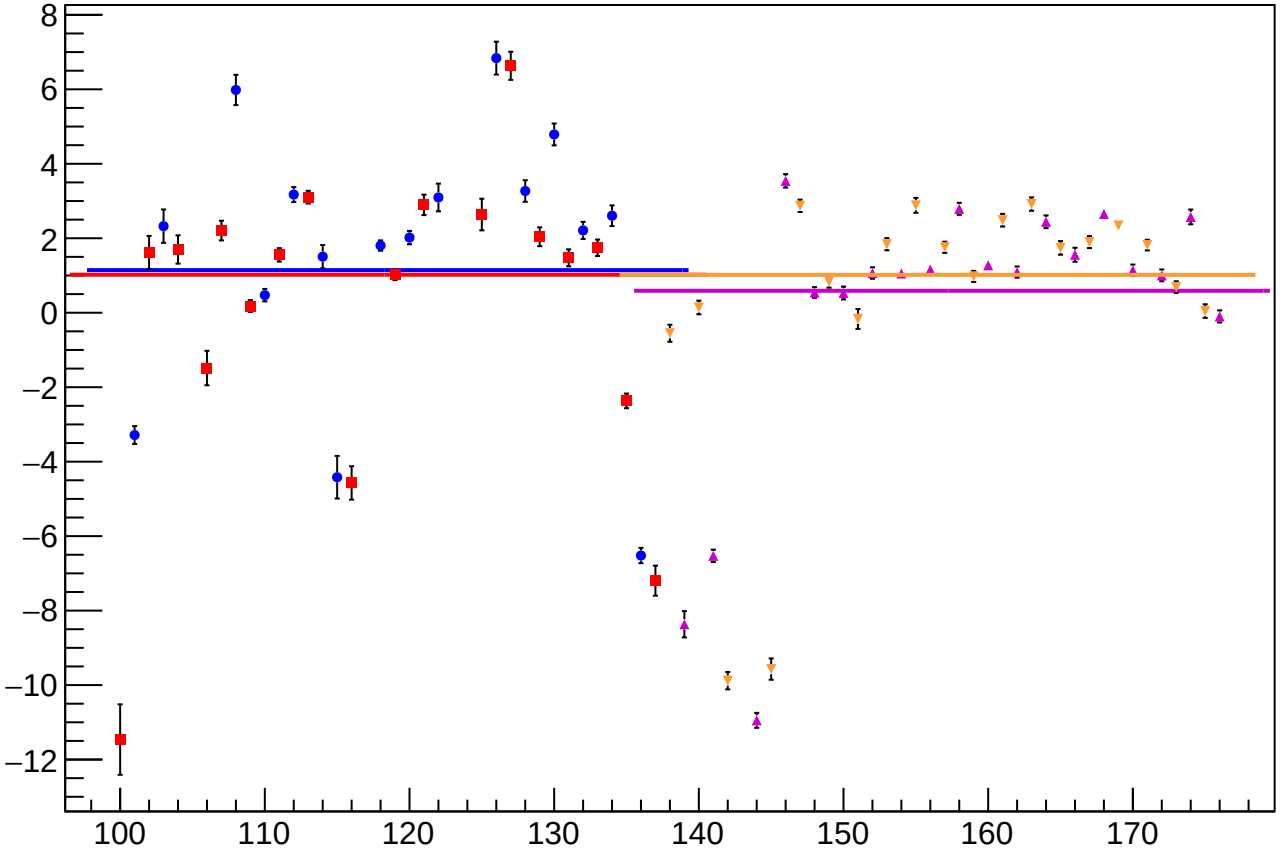
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.099+/-0.036 χ^2/NDF:211575.0/34

Out: 0.629+/-0.035 χ^2/NDF:209122.2/36

All: 0.273+/-0.025 χ^2/NDF: 420908.1/71

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.017+/-0.040 χ^2/NDF:4264.7/18

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.589+/-0.035 χ^2/NDF:6866.8/18

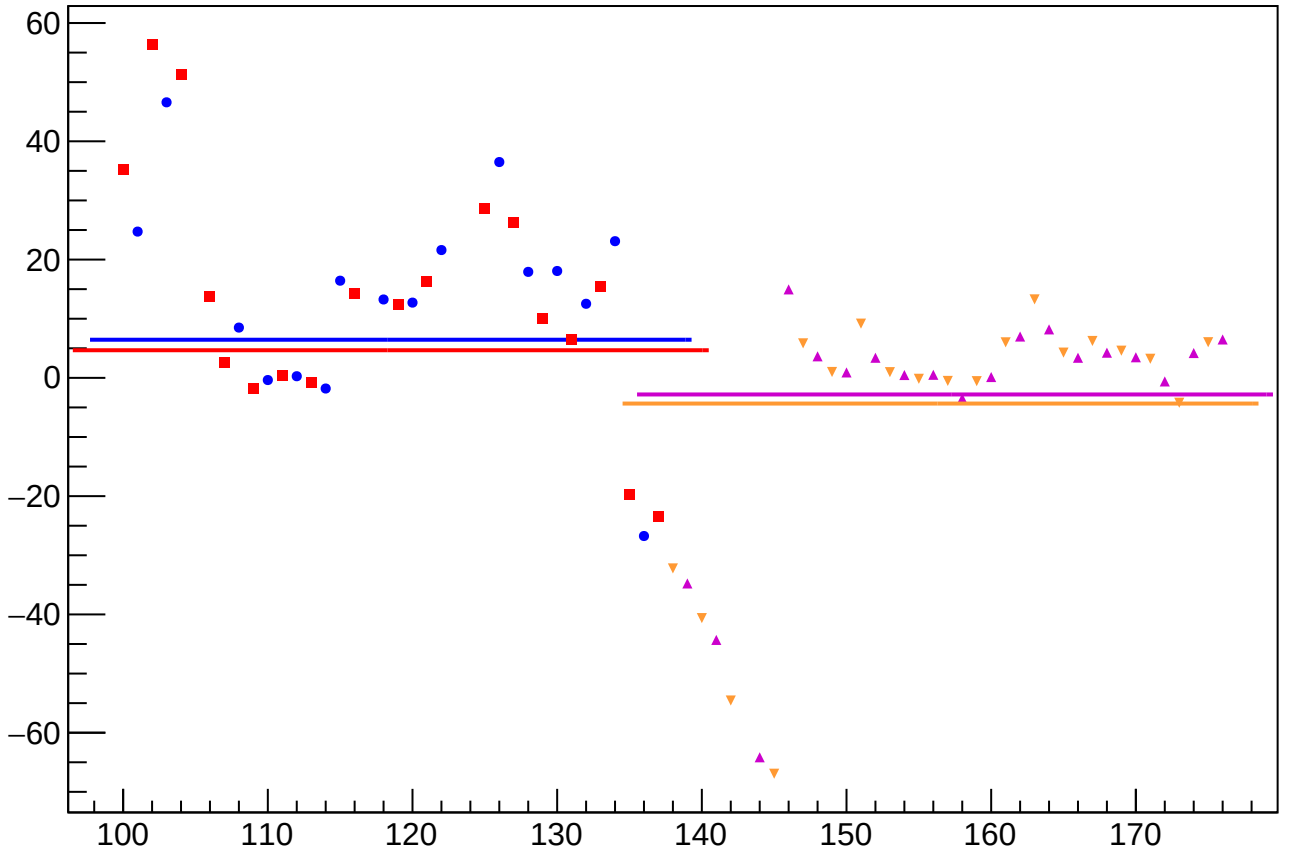
Left: 0.775+/-0.026 χ^2/NDF: 11196.2/37

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.730+/-0.030 χ^2/NDF:9525.7/34

Out: 1.018+/-0.033 χ^2/NDF:5855.9/36

All: 0.863+/-0.022 χ^2/NDF: 15423.4/71



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -4.345+/-0.053 χ^2/NDF:115660.3/18

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.807+/-0.047 χ^2/NDF:123336.3/18

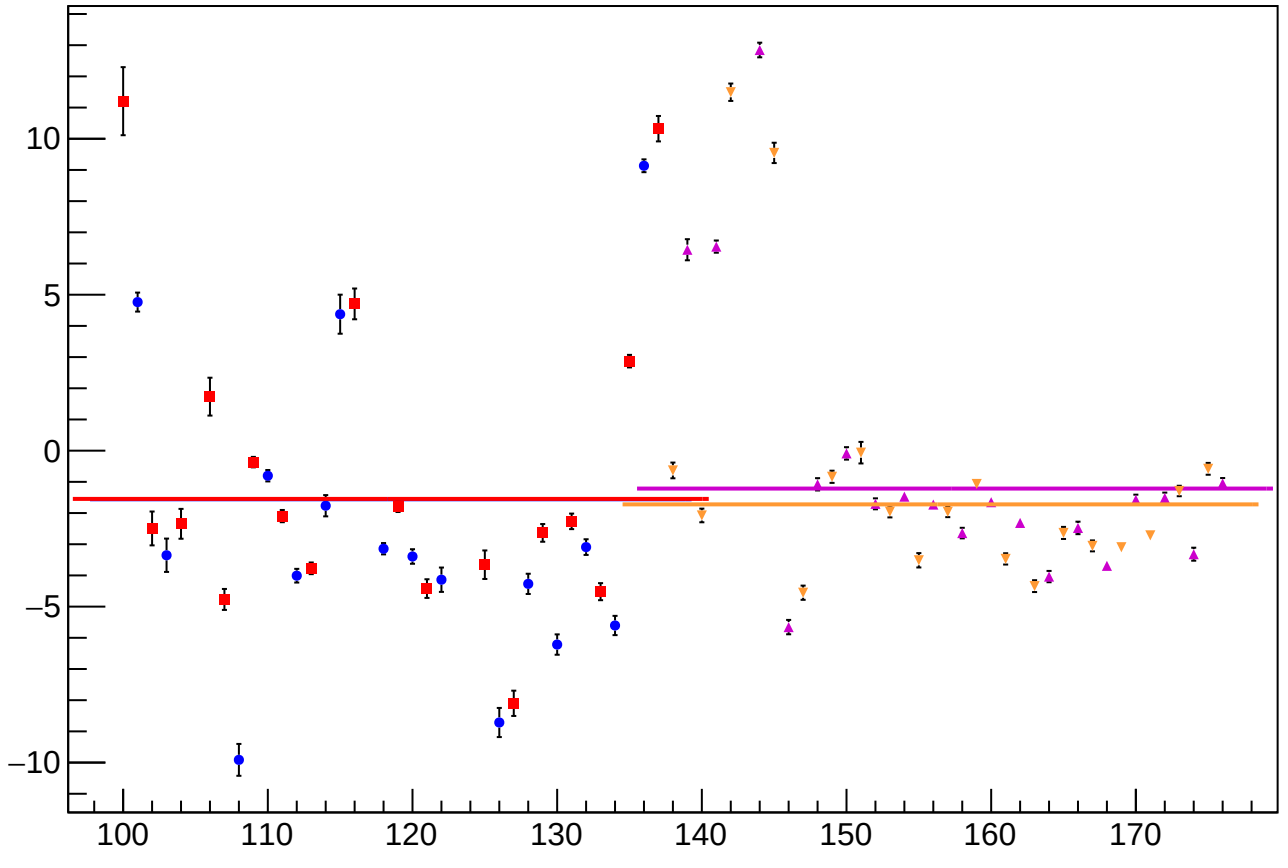
Left: -3.473+/-0.035 χ^2/NDF: 239470.7/37

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.334+/-0.038 χ^2/NDF:207589.2/34

Out: -0.304+/-0.040 χ^2/NDF:202960.2/36

All: 0.029+/-0.027 χ^2/NDF: 410685.5/71



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.722+/-0.045 χ^2/NDF:4268.0/18

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.215+/-0.039 χ^2/NDF:6864.1/18

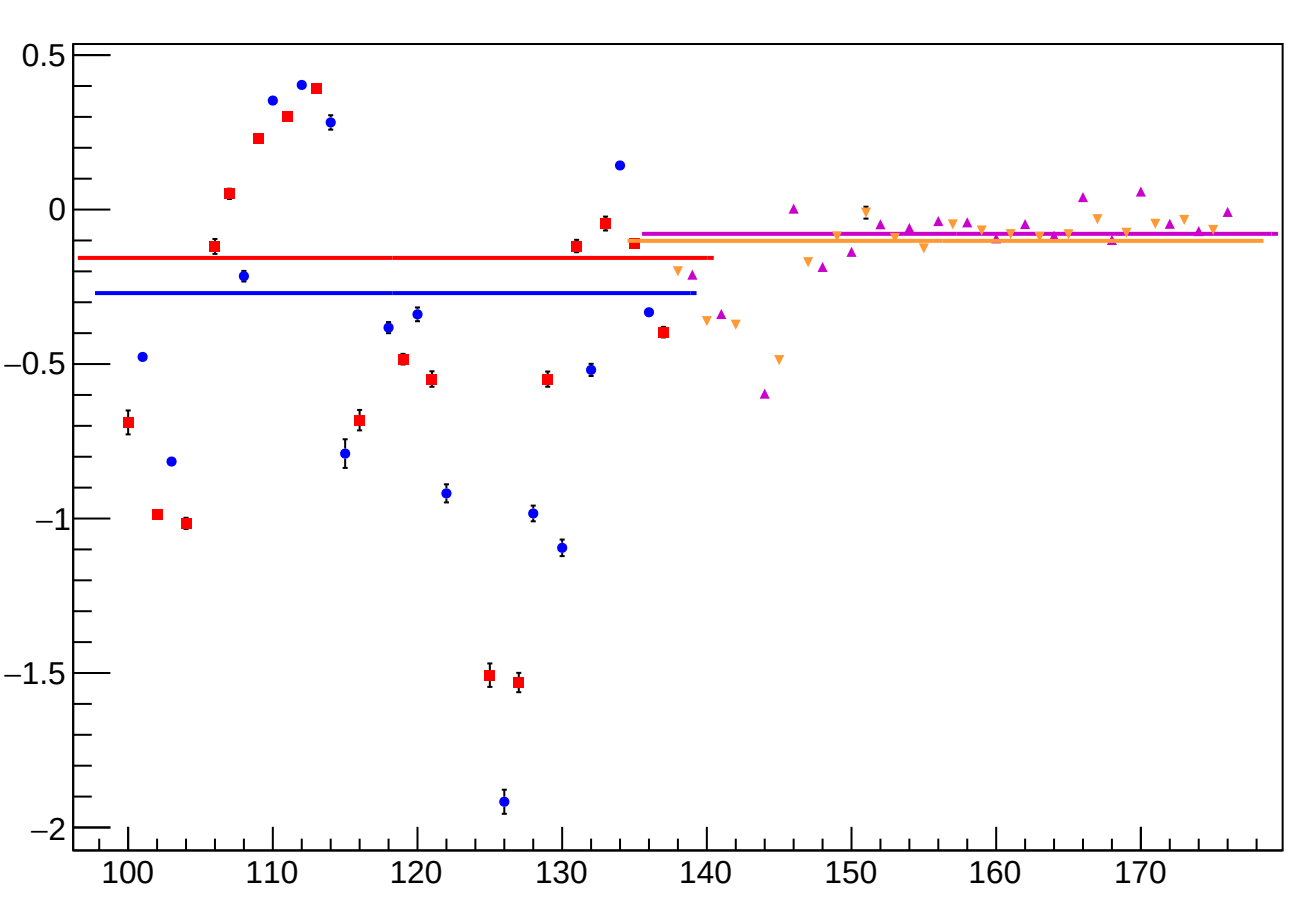
Left: -1.436+/-0.030 χ^2/NDF: 11204.3/37

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.299+/-0.034 χ^2/NDF:11425.7/34

Out: -1.665+/-0.037 χ^2/NDF:6743.1/36

All: -1.469+/-0.025 χ^2/NDF: 18221.8/71



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.101+/-0.002 χ^2/NDF:2394.8/18

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.078+/-0.002 χ^2/NDF:3793.6/18

Left: -0.088+/-0.001 χ^2/NDF: 6266.5/37

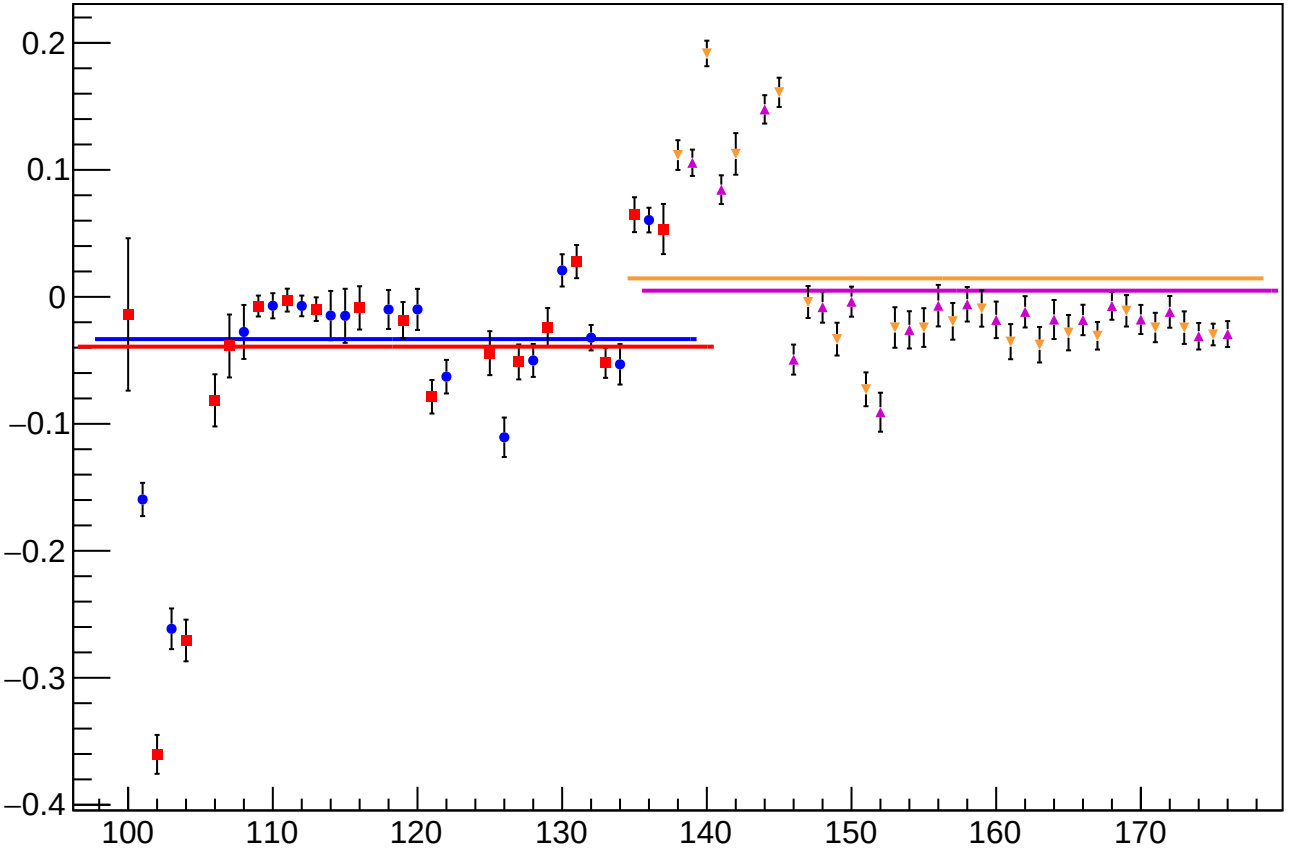
Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.105+/-0.002 χ^2/NDF:17742.4/34

Out: -0.113+/-0.002 χ^2/NDF:17592.5/36

All: -0.109+/-0.001 χ^2/NDF: 35345.9/71

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.015+/-0.003 χ^2/NDF:760.8/18

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.005+/-0.003 χ^2/NDF:414.6/18

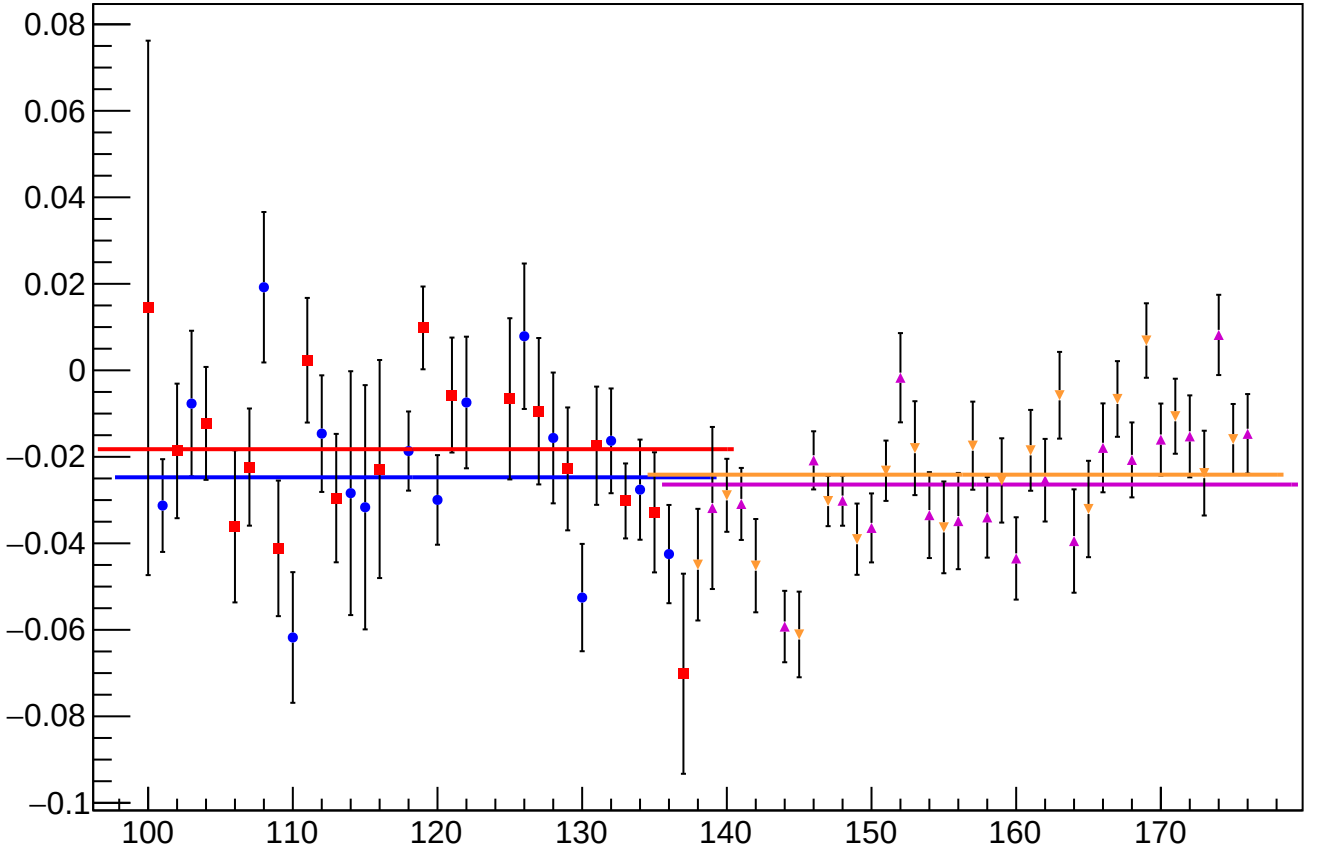
Left: 0.010+/-0.002 χ^2/NDF: 1181.3/37

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.012+/-0.002 χ^2/NDF:958.3/34

Out: -0.009+/-0.002 χ^2/NDF:1726.4/36

All: -0.011+/-0.001 χ^2/NDF: 2685.1/71



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:51.8/18

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.4/18

Left: -0.025+/-0.001 χ^2/NDF: 102.8/37

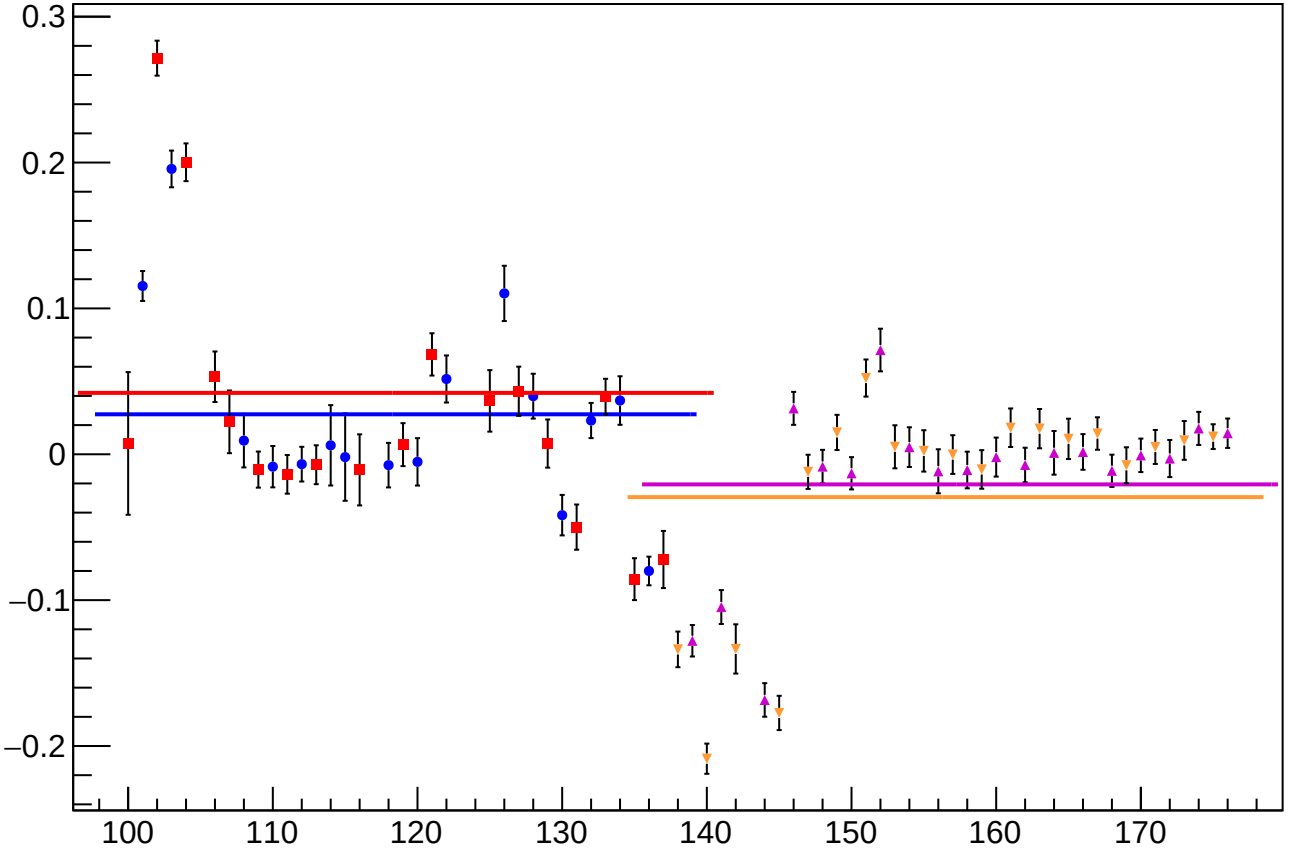
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:79.1/34

Out: -0.023+/-0.002 χ^2/NDF:78.7/36

All: -0.024+/-0.001 χ^2/NDF: 159.7/71

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: -0.029+/-0.003 χ^2/NDF:736.9/18

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.021+/-0.003 χ^2/NDF:421.0/18

Left: -0.025+/-0.002 χ^2/NDF: 1162.9/37

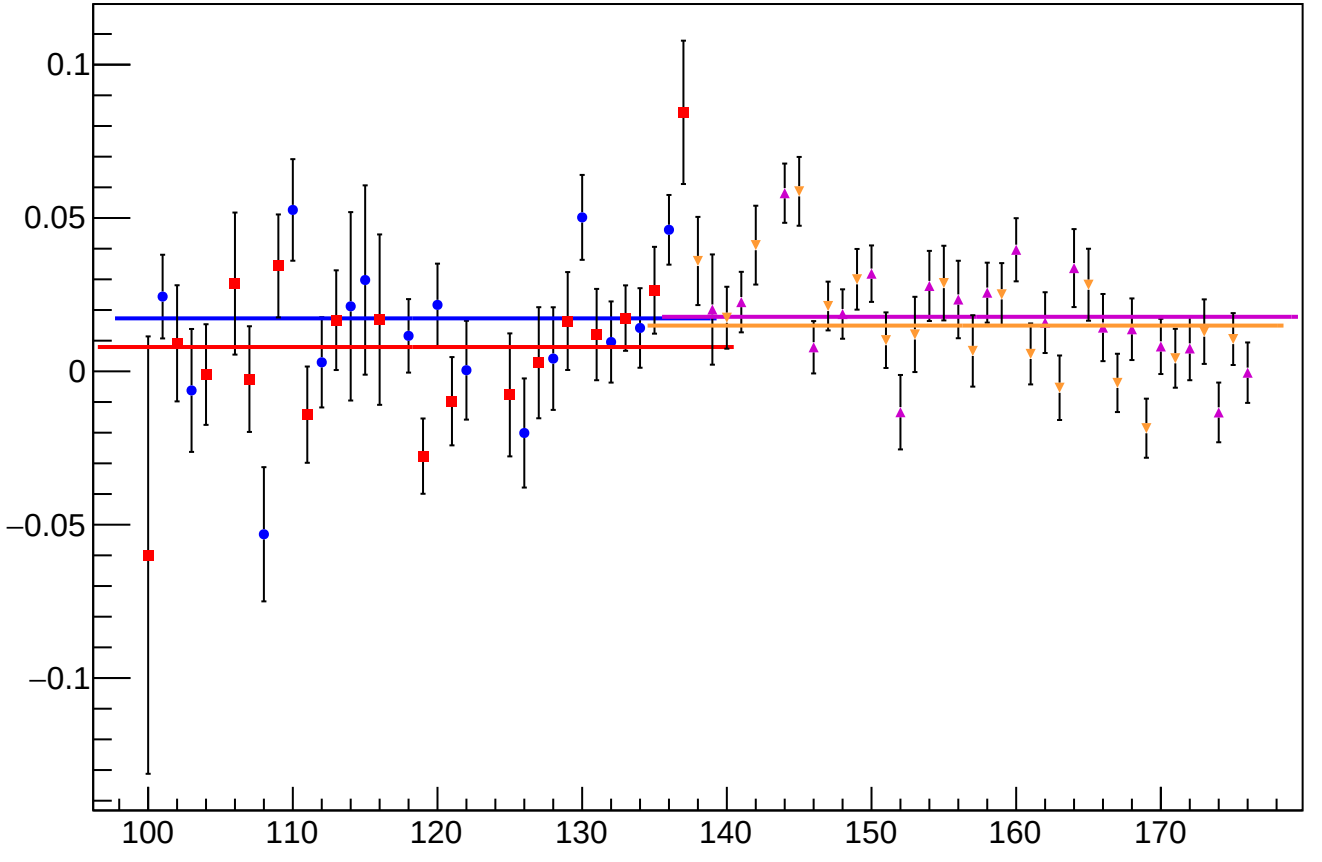
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.003+/-0.002 χ^2/NDF:980.4/34

Out: -0.003+/-0.002 χ^2/NDF:1711.4/36

All: -0.003+/-0.002 χ^2/NDF: 2691.8/71

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.0/18

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.018+/-0.002 χ^2/NDF:51.7/18

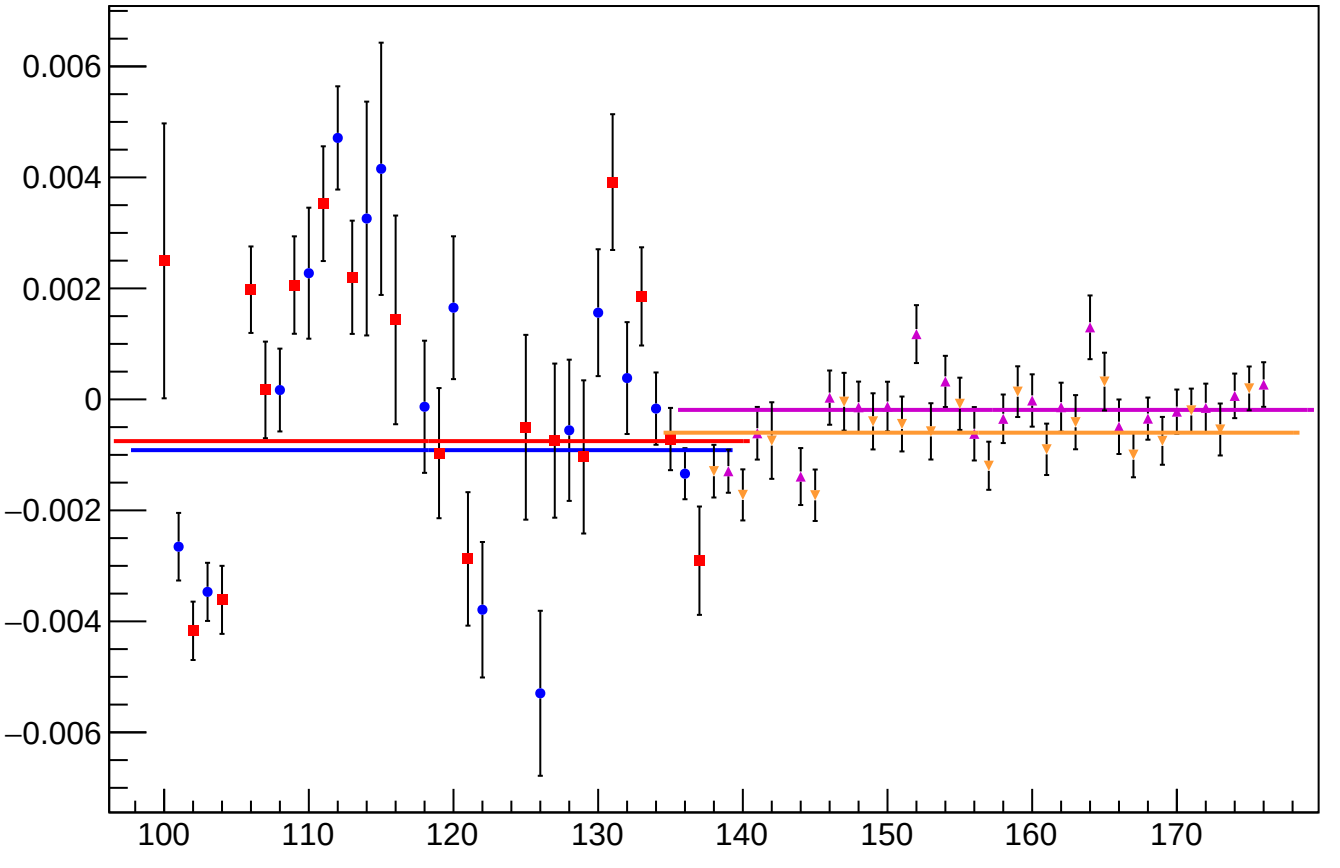
Left: 0.016+/-0.002 χ^2/NDF: 103.5/37

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.018+/-0.002 χ^2/NDF:88.4/34

Out: 0.013+/-0.002 χ^2/NDF:84.8/36

All: 0.015+/-0.001 χ^2/NDF: 175.8/71



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:31.1/18

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:32.7/18

Left: -0.000+/-0.000 χ^2/NDF: 71.4/37

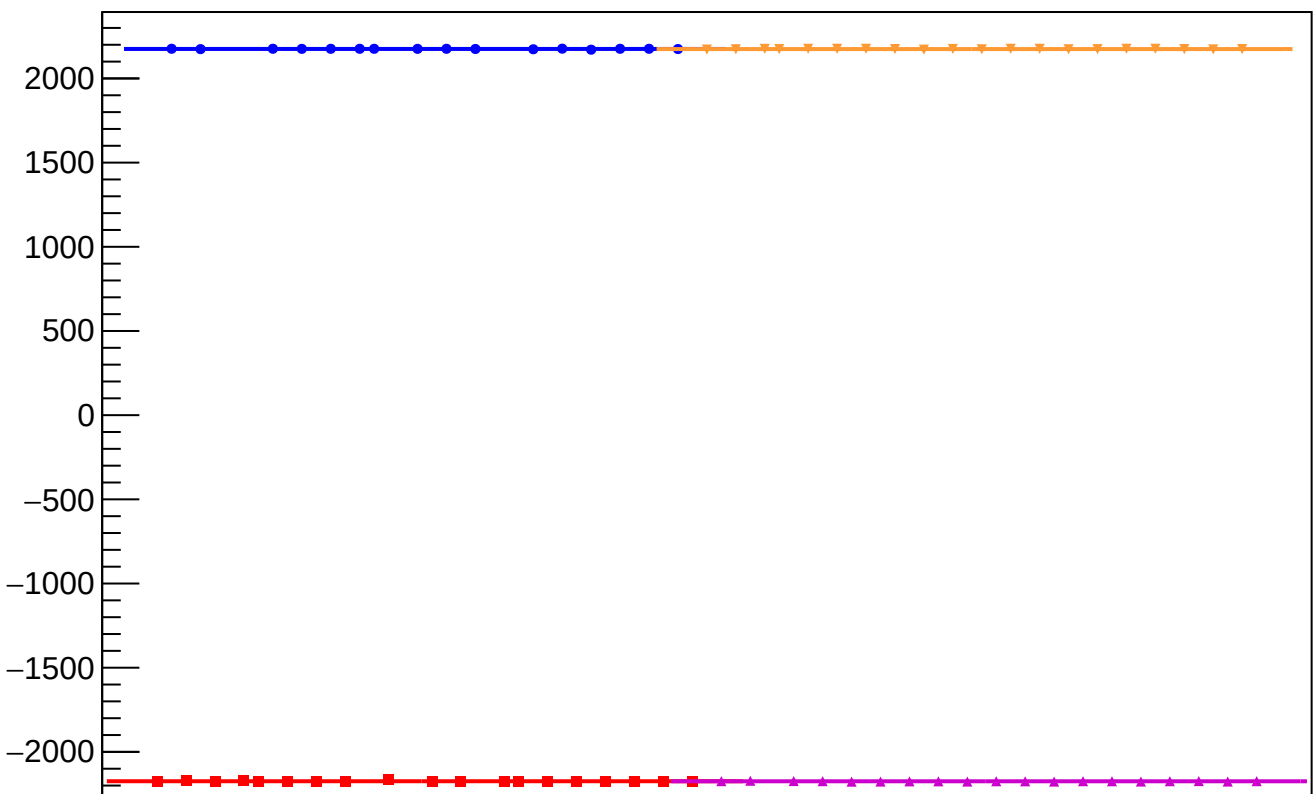
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:156.3/34

Out: -0.001+/-0.000 χ^2/NDF:179.1/36

All: -0.000+/-0.000 χ^2/NDF: 340.5/71

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.479+/-0.000 χ^2/NDF:42556598214814227350979741703208 96.0/19

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.645+/-0.000 χ^2/NDF:30586717466868509047869841426350 08.0/18

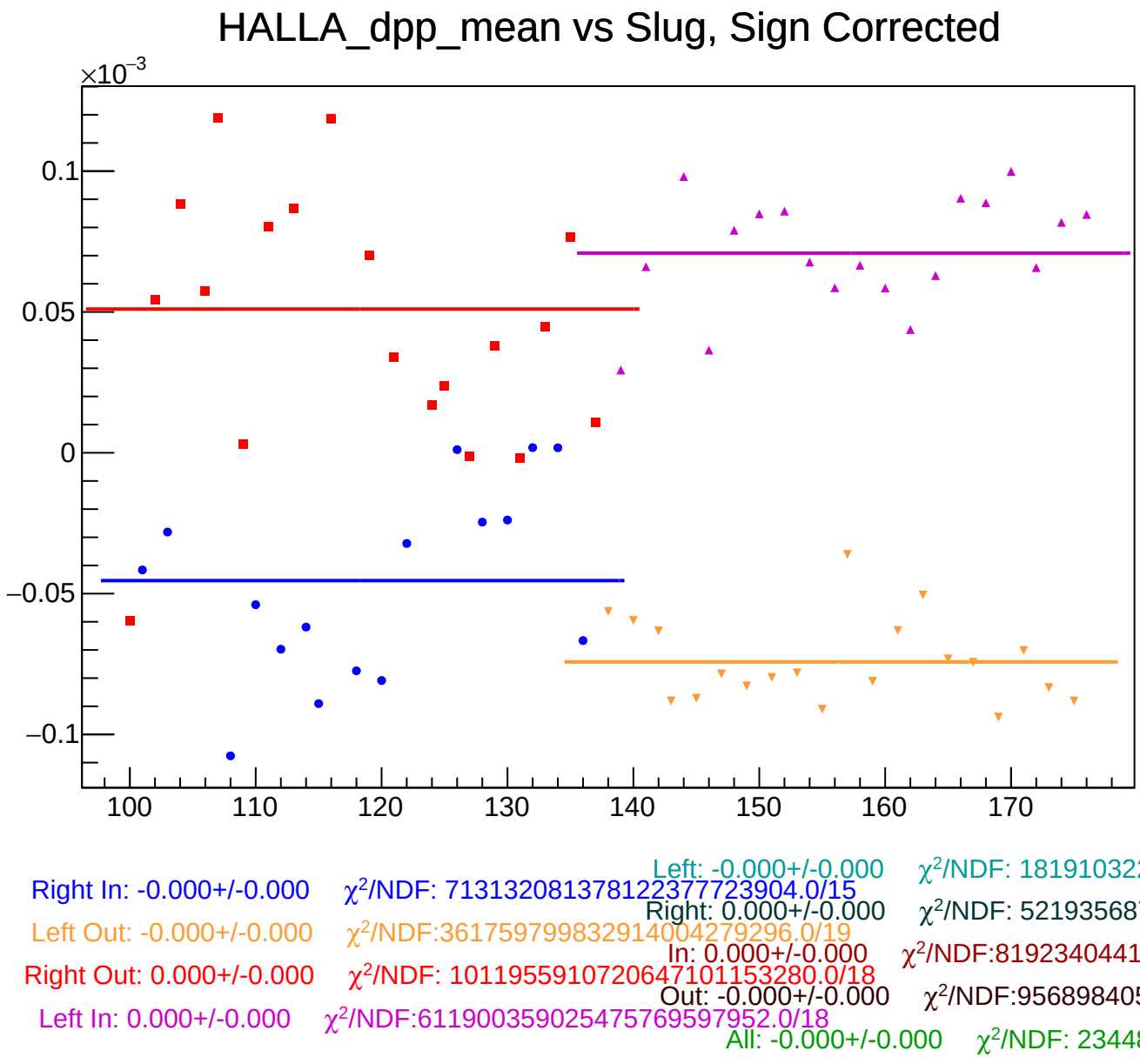
Left: 25.188+/-0.000 χ^2/NDF: 1546083169448839

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

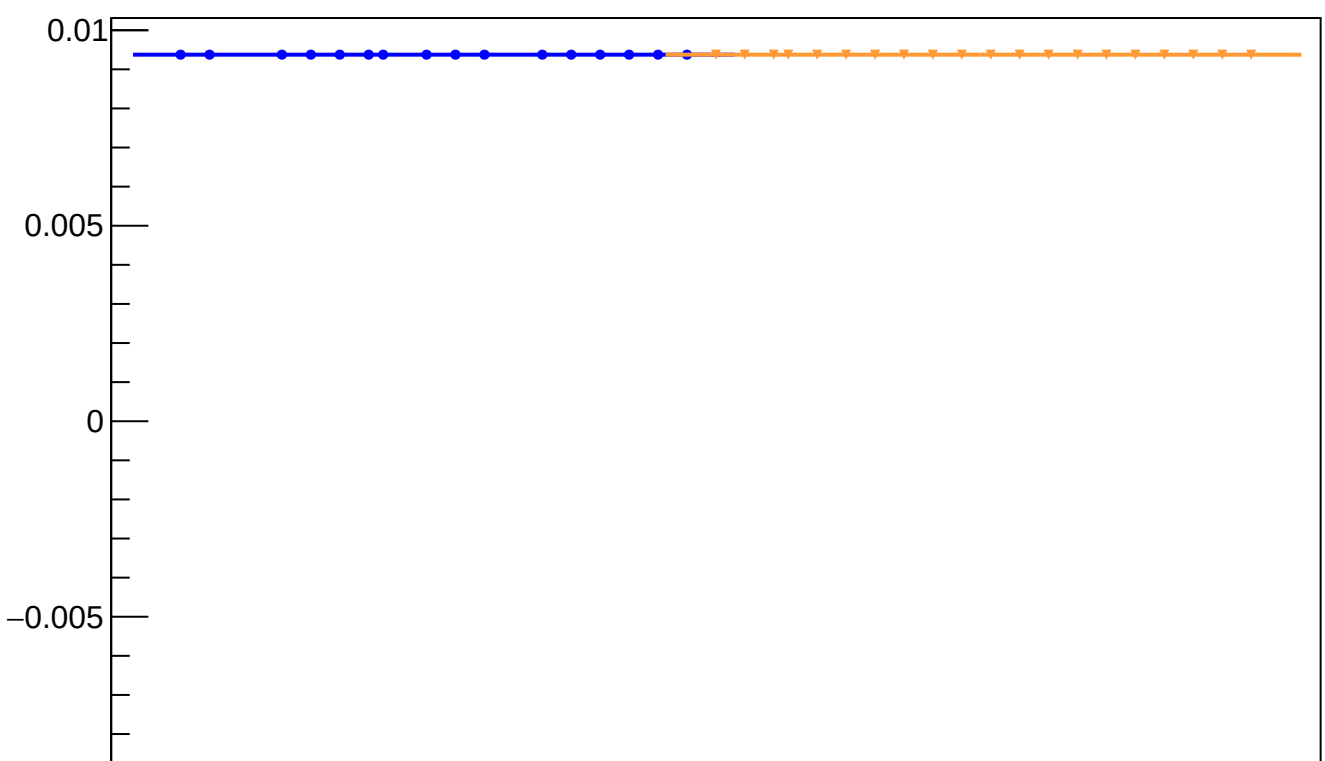
In: -807.128+/-0.000 χ^2/NDF:961275472379351

Out: 801.647+/-0.000 χ^2/NDF:98746866239148

All: 7.369+/-0.000 χ^2/NDF: 2257591840030


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:3617597998329140042792960.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:61190035902547576959795 2.0/18
Left: -0.000+/-0.000 χ²/NDF: 18191032224587504
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8192340441589078743
Out: -0.000+/-0.000 χ²/NDF:95689840586672656
All: -0.000+/-0.000 χ²/NDF: 2344819439945

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:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 287363532110090782

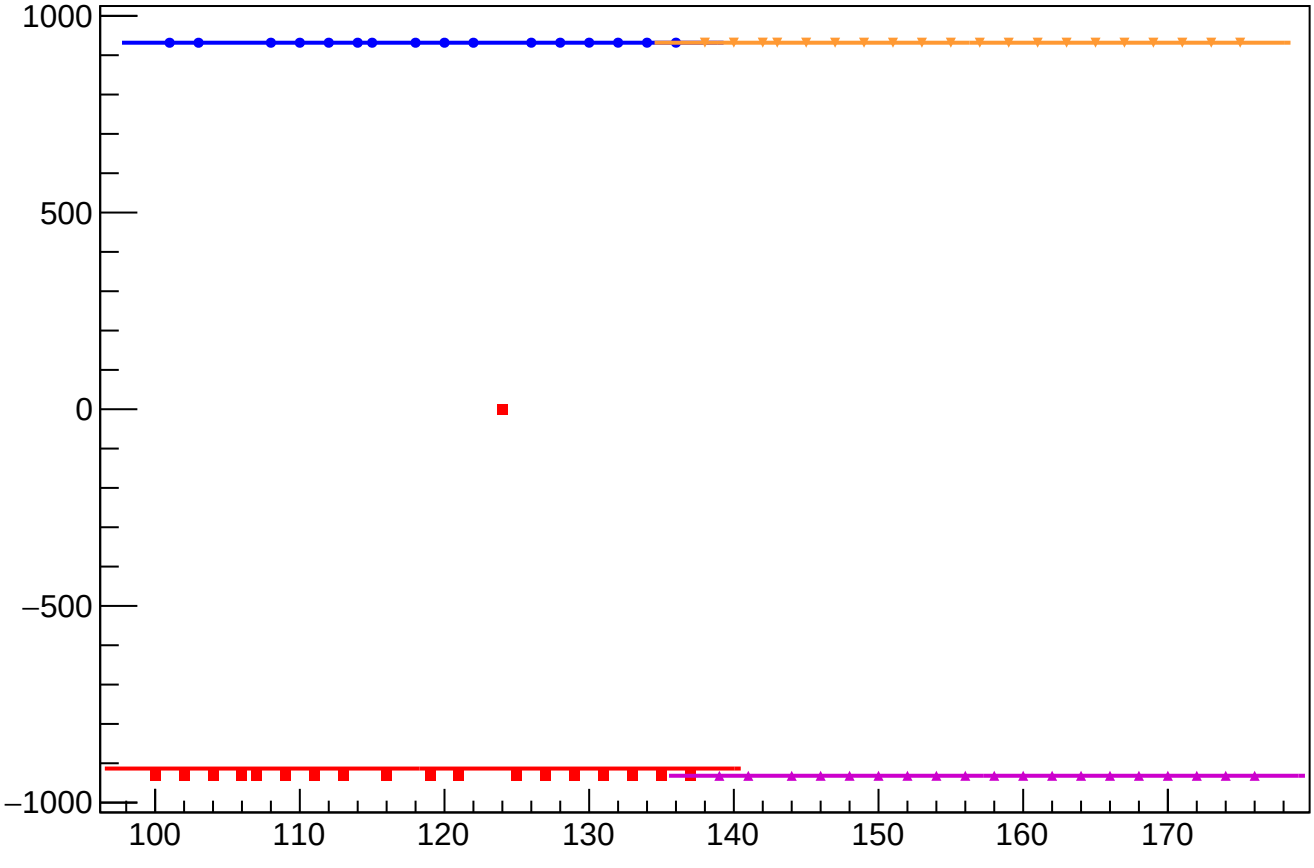
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41958513072109

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:4183161883108006832439996448768.0/19

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.777+/-0.000 χ^2/NDF:377921616829519464164483294822 4.0/18

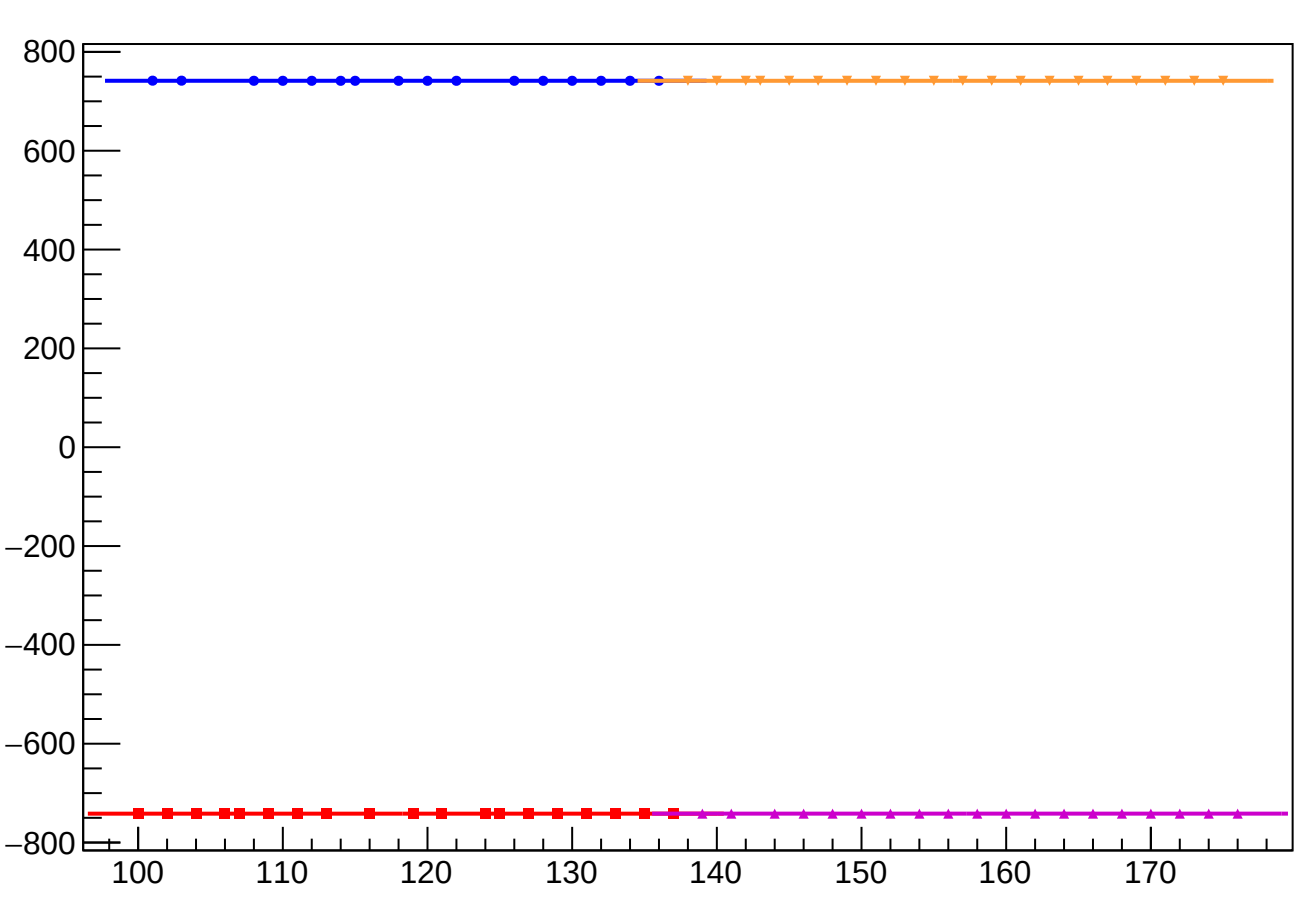
Left: 10.832+/-0.000 χ^2/NDF: 28386821032364111

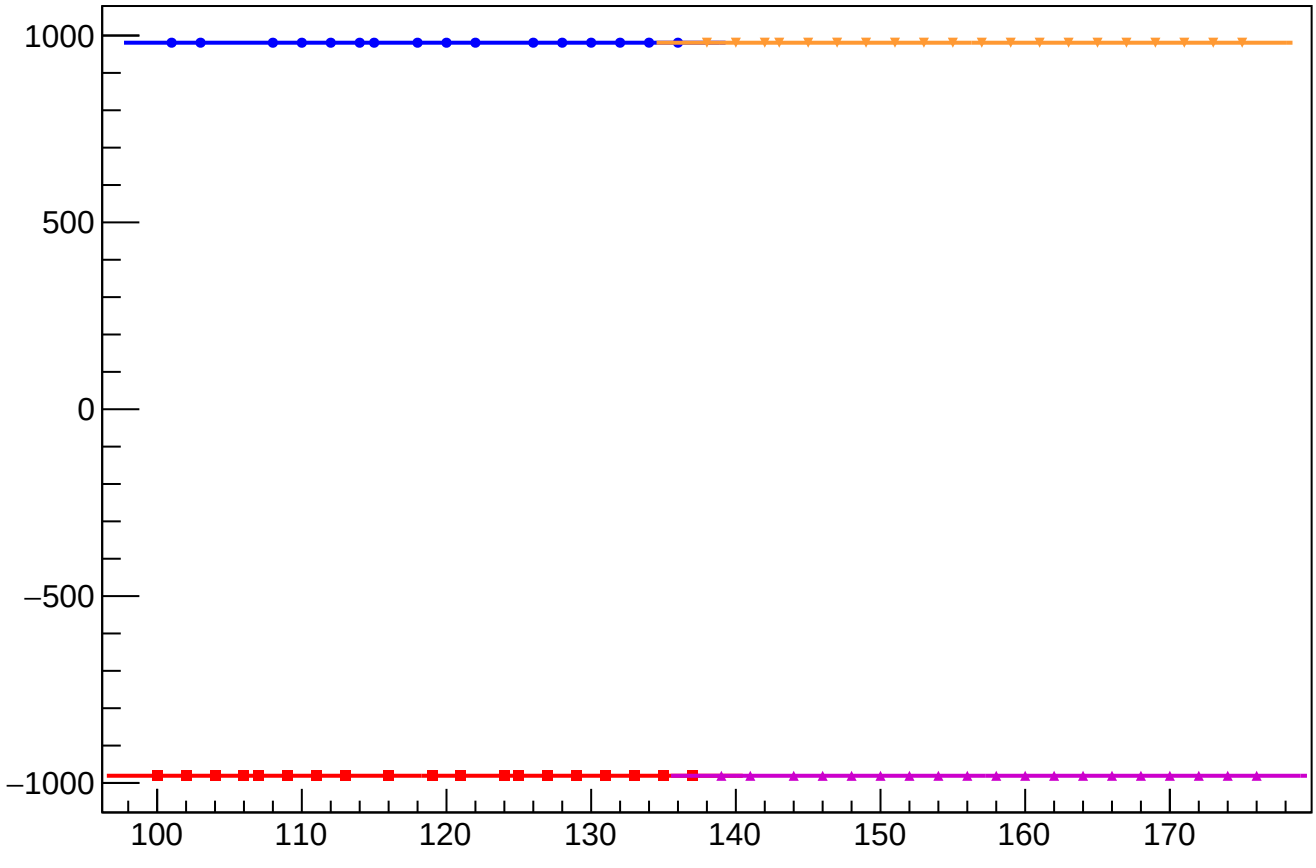
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -345.910+/-0.000 χ^2/NDF:1764331330663656

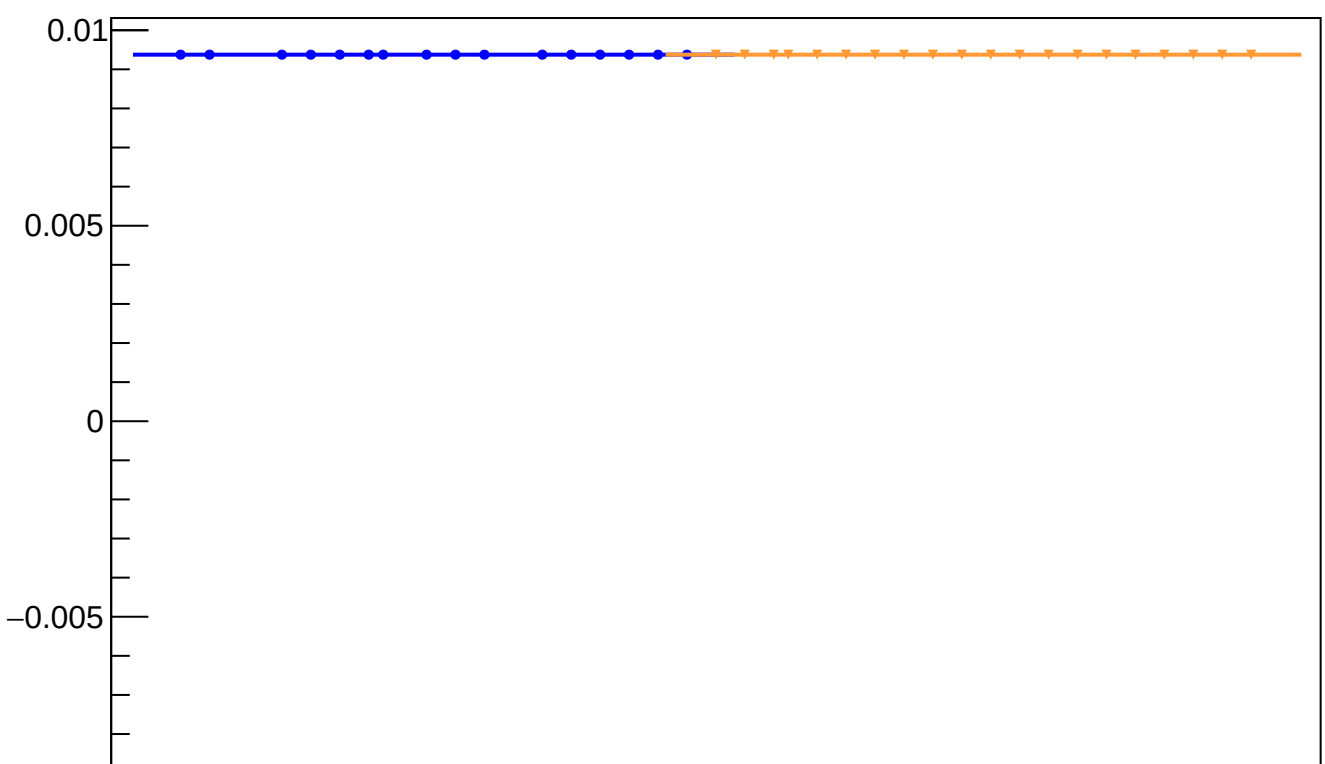
Out: 349.281+/-0.000 χ^2/NDF:1790576098316893

All: 6.054+/-0.000 χ^2/NDF: 4131624196380


HacL_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: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.513+/-0.000 χ²/NDF:208464466168993615165769383936.0/19
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.512+/-0.000 χ²/NDF:208483767808730813829897781248.0/18
Left: 8.617+/-0.000 χ²/NDF: 179773684401905659
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -275.257+/-0.000 χ²/NDF:111745405548682
Out: 273.330+/-0.000 χ²/NDF:114846641372279
All: 2.484+/-0.000 χ²/NDF: 2625045425327


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Left: 11.394+/-0.000 χ²/NDF: 3145023945283812
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
Left Out: 980.768+/-0.000 χ²/NDF:724102795574416267156803026944.0/19
In: -364.088+/-0.000 χ²/NDF:1954838703200079
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Out: 361.563+/-0.000 χ²/NDF:2008892006109772
Left In: -980.774+/-0.000 χ²/NDF:14728265698452260587883053711360/18
All: 3.297+/-0.000 χ²/NDF: 4592090429795

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:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 287363532110090782

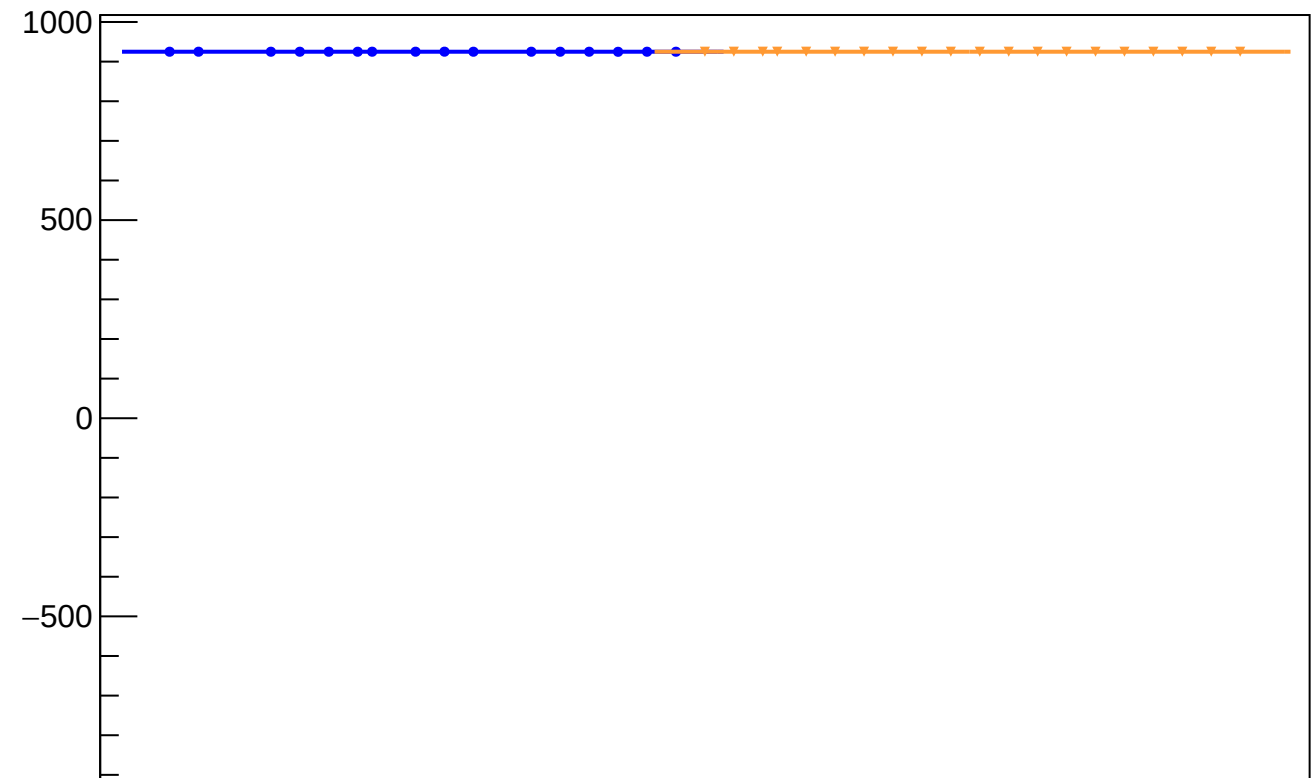
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41958513072109

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:90854139699192169669404812902 4.0/19

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.985+/-0.000 χ^2/NDF:75008714464900822880519349862 4.0/18

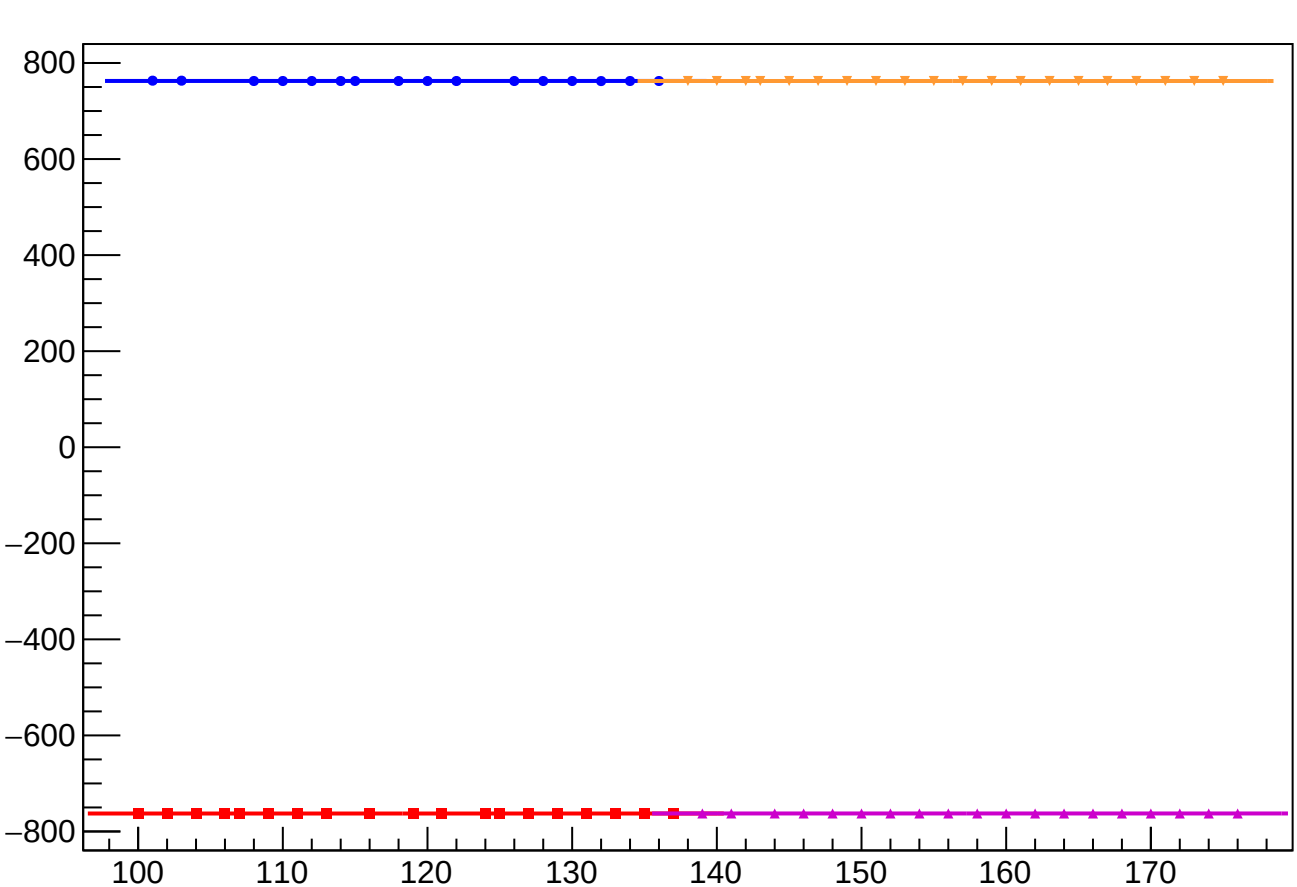
Left: 10.748+/-0.000 χ^2/NDF: 2797420299859654

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

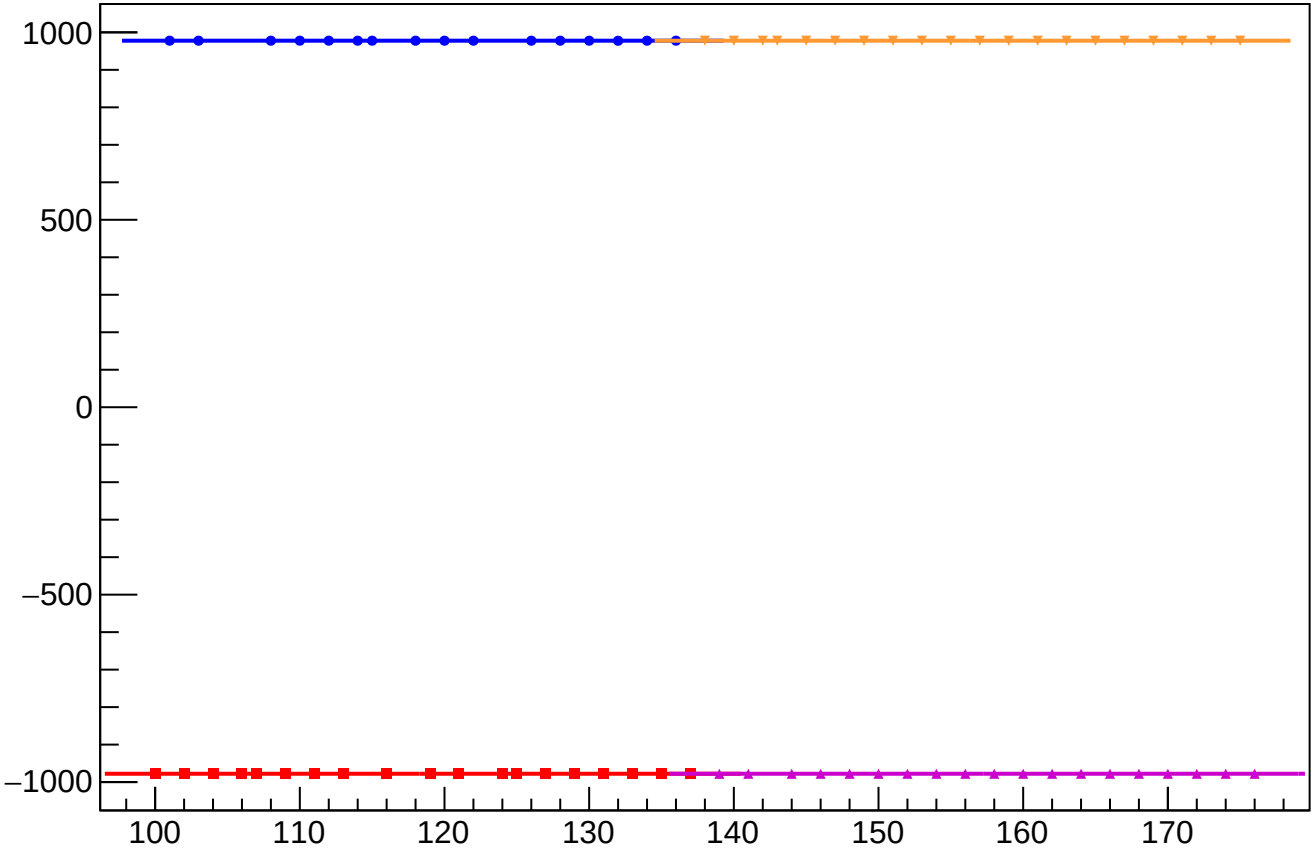
In: -343.392+/-0.000 χ^2/NDF:1738683844534461

Out: 340.988+/-0.000 χ^2/NDF:1786926856207466

All: 3.098+/-0.000 χ^2/NDF: 4084529275427


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: 762.514+/-0.000 χ²/NDF:631672966834007824314333659136.0/19
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.516+/-0.000 χ²/NDF:567353456134722470334416551936.0/18
Left: 8.860+/-0.000 χ²/NDF: 190101659335657967
Right: -11.159+/-0.000 χ²/NDF: 874510274639263
In: -283.042+/-0.000 χ²/NDF:1181711933453558
Out: 281.060+/-0.000 χ²/NDF:1214502878684291
All: 2.554+/-0.000 χ²/NDF: 2775939739095

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.738+/-0.000 χ^2/NDF:1154309662640916609855710560256.0/19

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.735+/-0.000 χ^2/NDF:10864234479016848090286669168640/18

Left: 11.364+/-0.000 χ^2/NDF: 31255951459217432

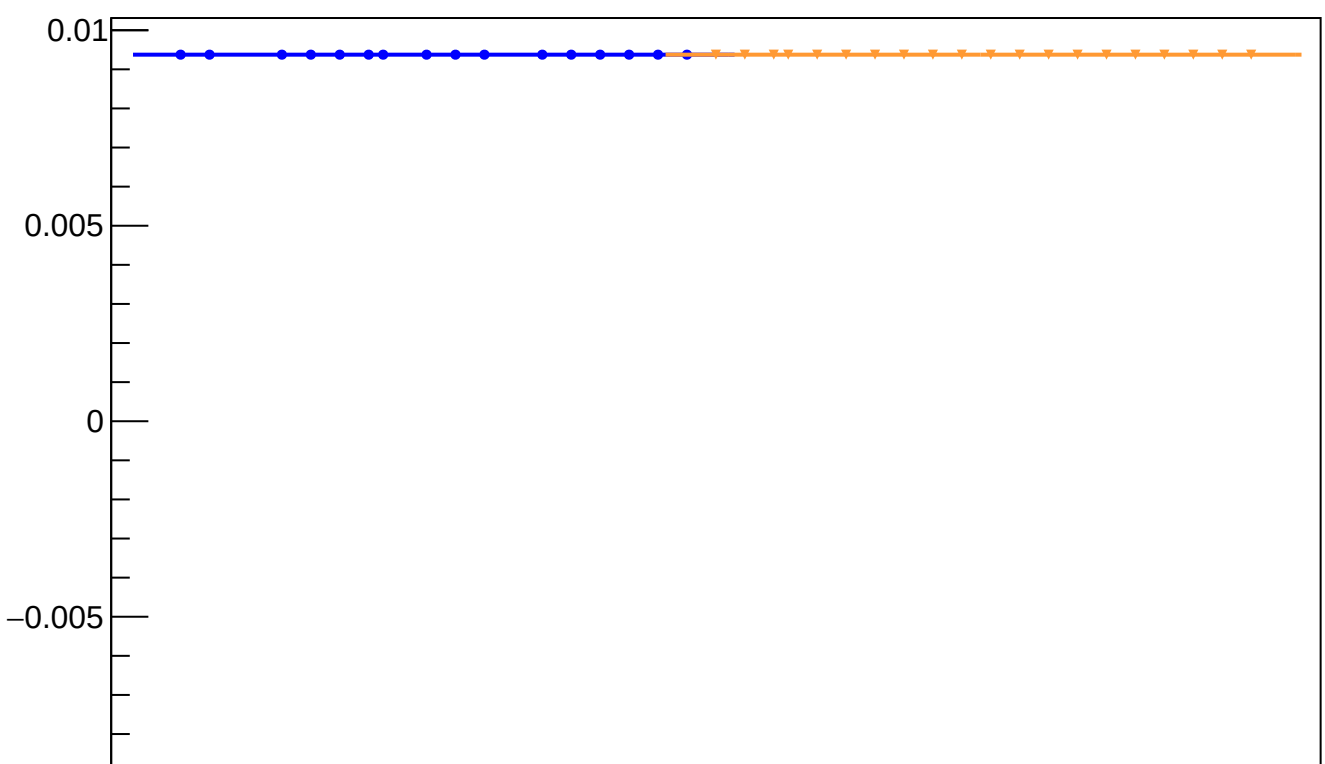
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -362.965+/-0.000 χ^2/NDF:1942712724932150

Out: 360.429+/-0.000 χ^2/NDF:199660654356477

All: 3.278+/-0.000 χ^2/NDF: 4563774868375

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:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

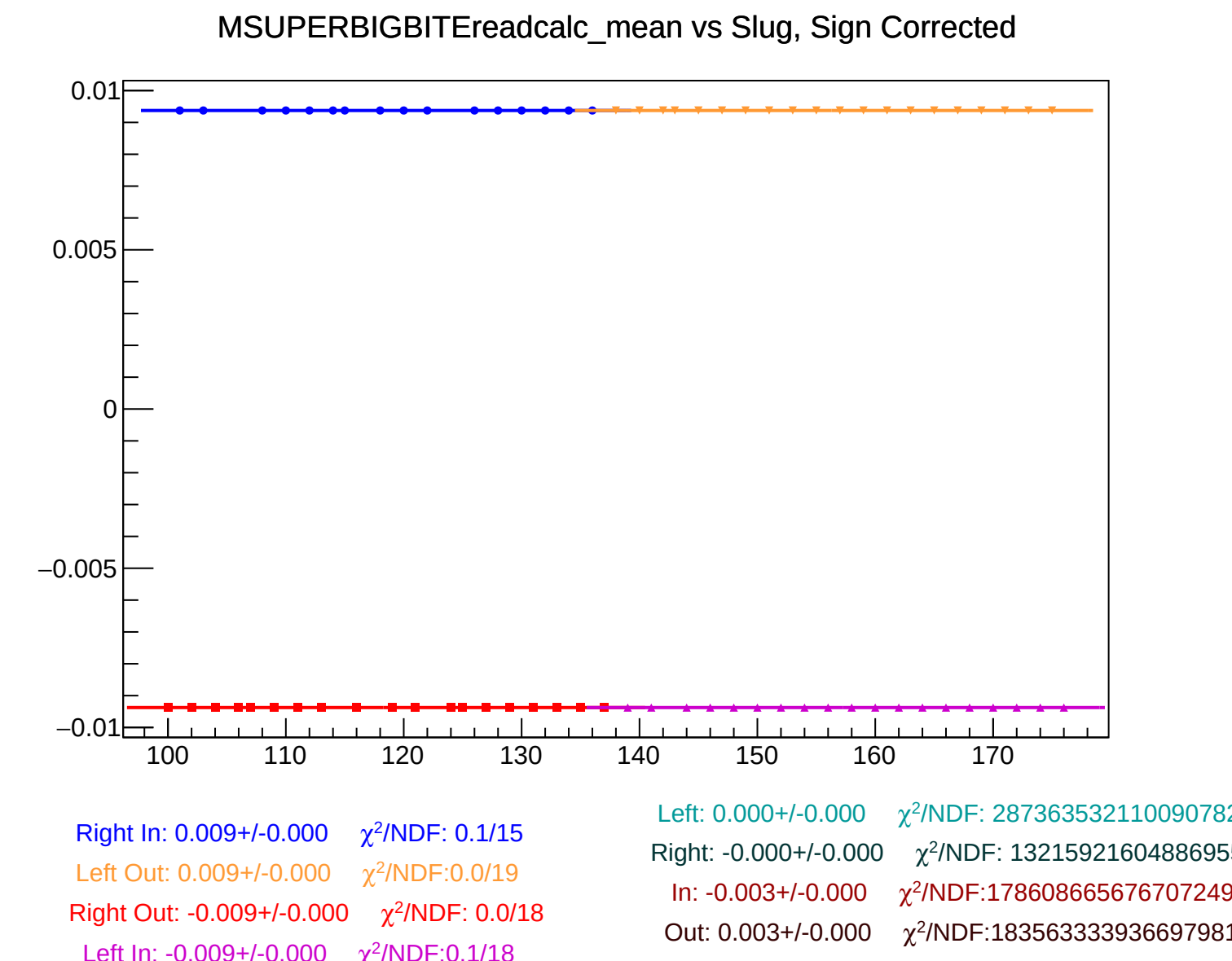
Left: 0.000+/-0.000 χ^2/NDF: 287363532110090782

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

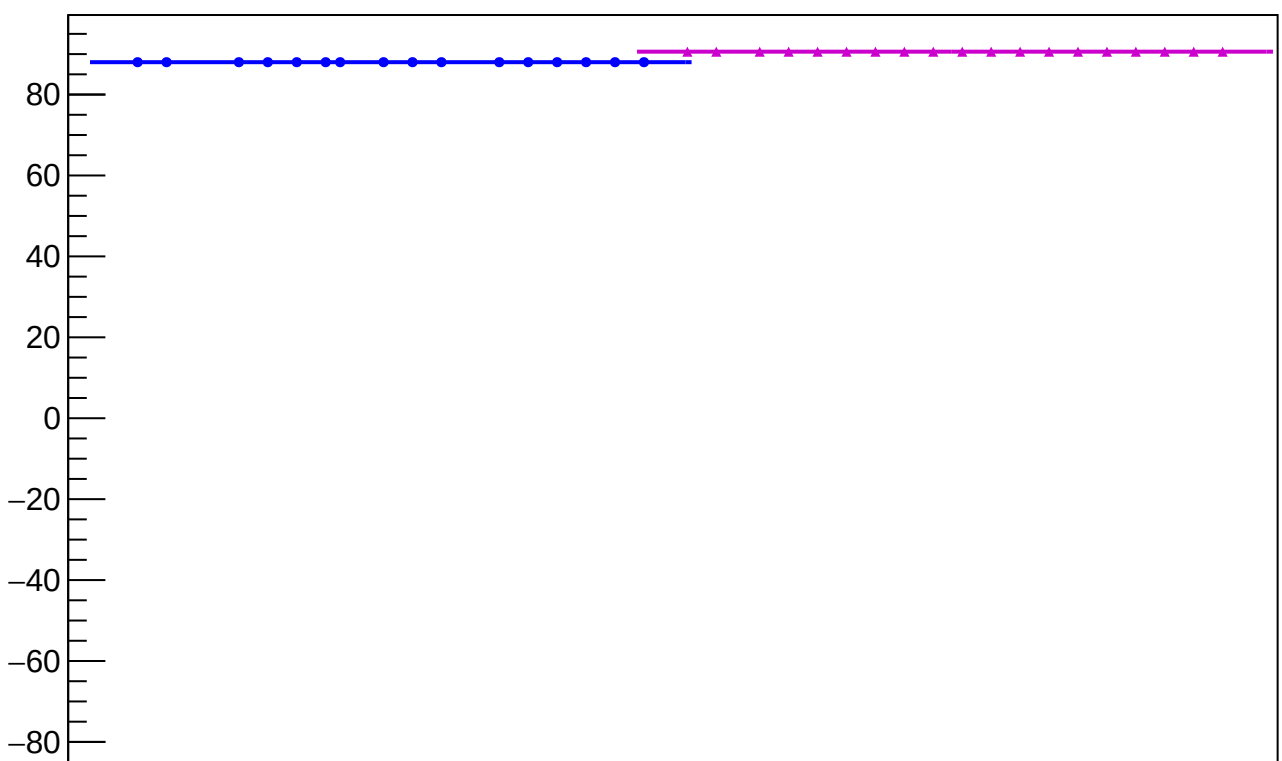
In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41958513072109


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/19
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/18
Left: 0.000+/-0.000 χ²/NDF: 28736353211009078
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.003+/-0.000 χ²/NDF:178608665676707249
Out: 0.003+/-0.000 χ²/NDF:183563333936697981
All: 0.000+/-0.000 χ²/NDF: 41958513072109

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:4752451.5/19

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5540858.0/18

Left: -1.053+/-0.000 χ^2/NDF: 26837295907990661

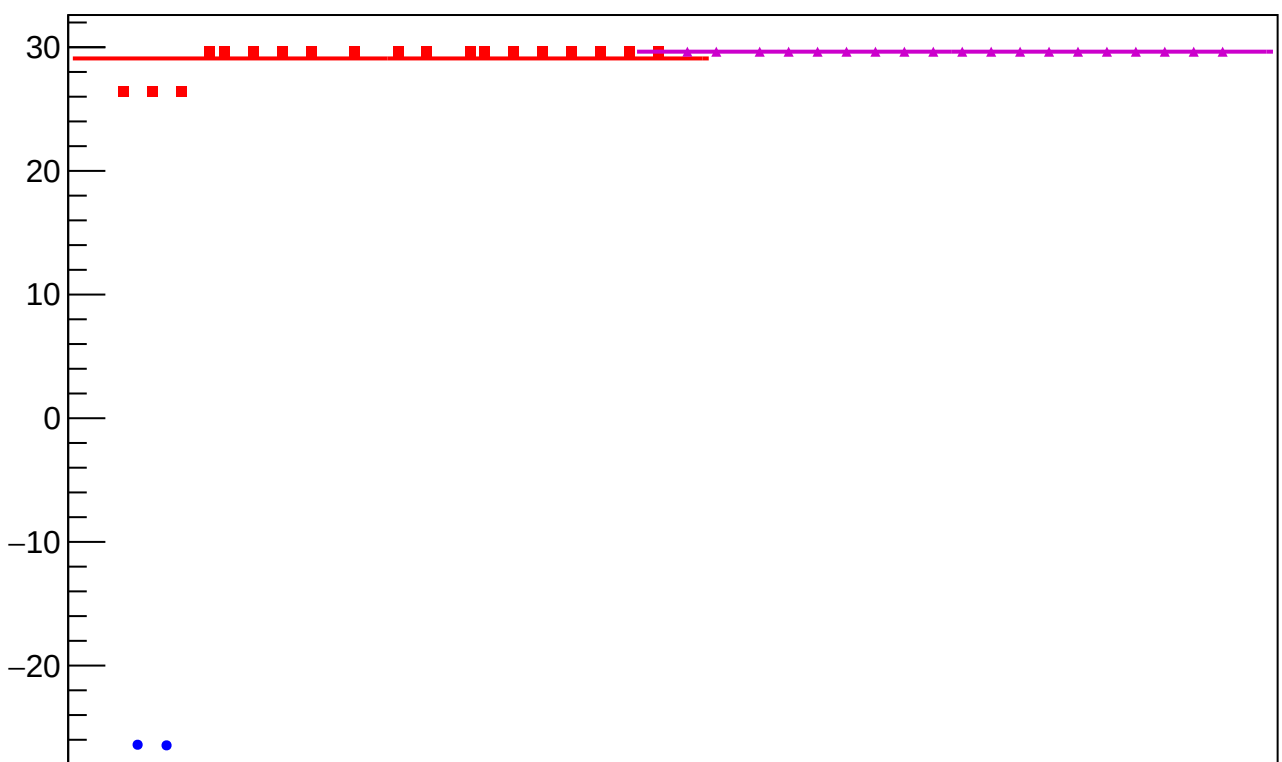
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.782+/-0.000 χ^2/NDF:343065274968807005

Out: -89.780+/-0.000 χ^2/NDF:3518560656120945

All: -1.127+/-0.000 χ^2/NDF: 3848238100695

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:301900.2/19

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:119212.7/18

Left: -0.344+/-0.000 χ^2/NDF: 28725401228237484

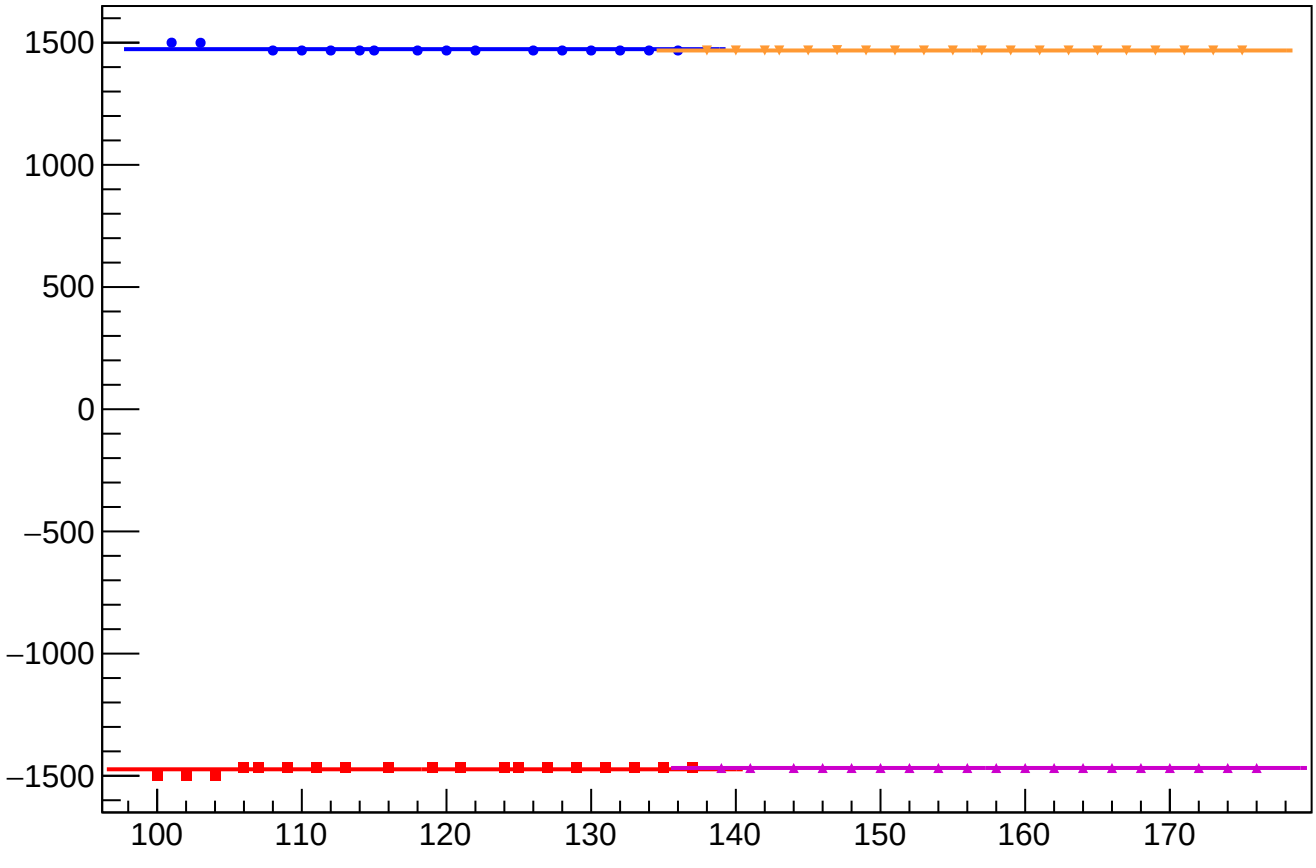
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 11.178+/-0.000 χ^2/NDF:175320829225665915

Out: -11.100+/-0.000 χ^2/NDF:1802304543551105

All: -0.101+/-0.000 χ^2/NDF: 4147757575501

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.062+/-0.000 χ^2/NDF:13839153181313037581877463587225 6.0/19

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:14434851481603366130836884684 8.0/18

Left: 17.094+/-0.000 χ^2/NDF: 704623806689478 51

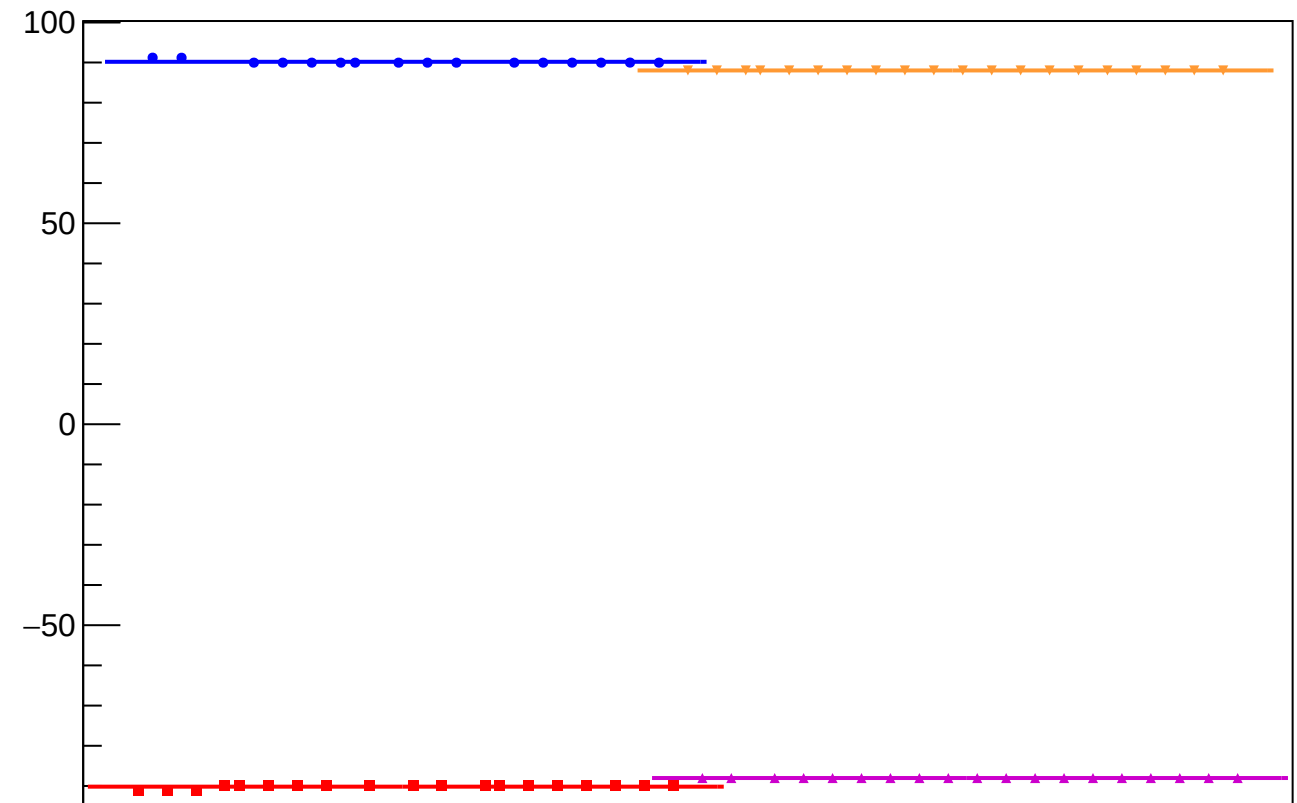
Right: -21.516+/-0.000 χ^2/NDF: 32646973859146 0

In: -543.248+/-0.000 χ^2/NDF:43957849711769 3

Out: 539.502+/-0.000 χ^2/NDF:45177103251363 50

All: 4.931+/-0.000 χ^2/NDF: 1031247117223 2

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:4126007.6/19

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:5262169.2/18

Left: 1.023+/-0.000 χ^2/NDF: 253313751802339829

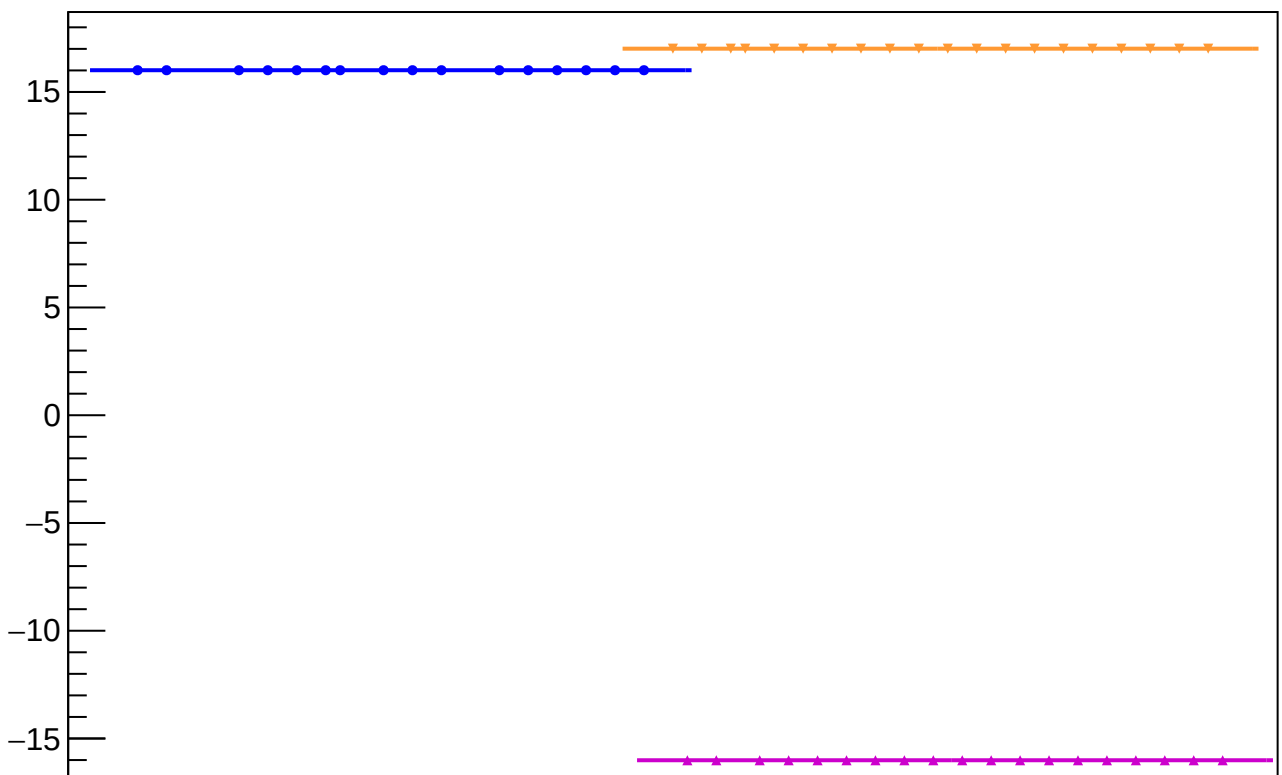
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -32.000+/-0.000 χ^2/NDF:16131985093770184

Out: 31.770+/-0.000 χ^2/NDF:1657878276721651

All: 0.286+/-0.000 χ^2/NDF: 37563420502973

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:2462647587854784799965184O.0/19

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:123723854551096389271552.0/18

Left: 0.603+/-0.000 χ^2/NDF: 826089321087568132

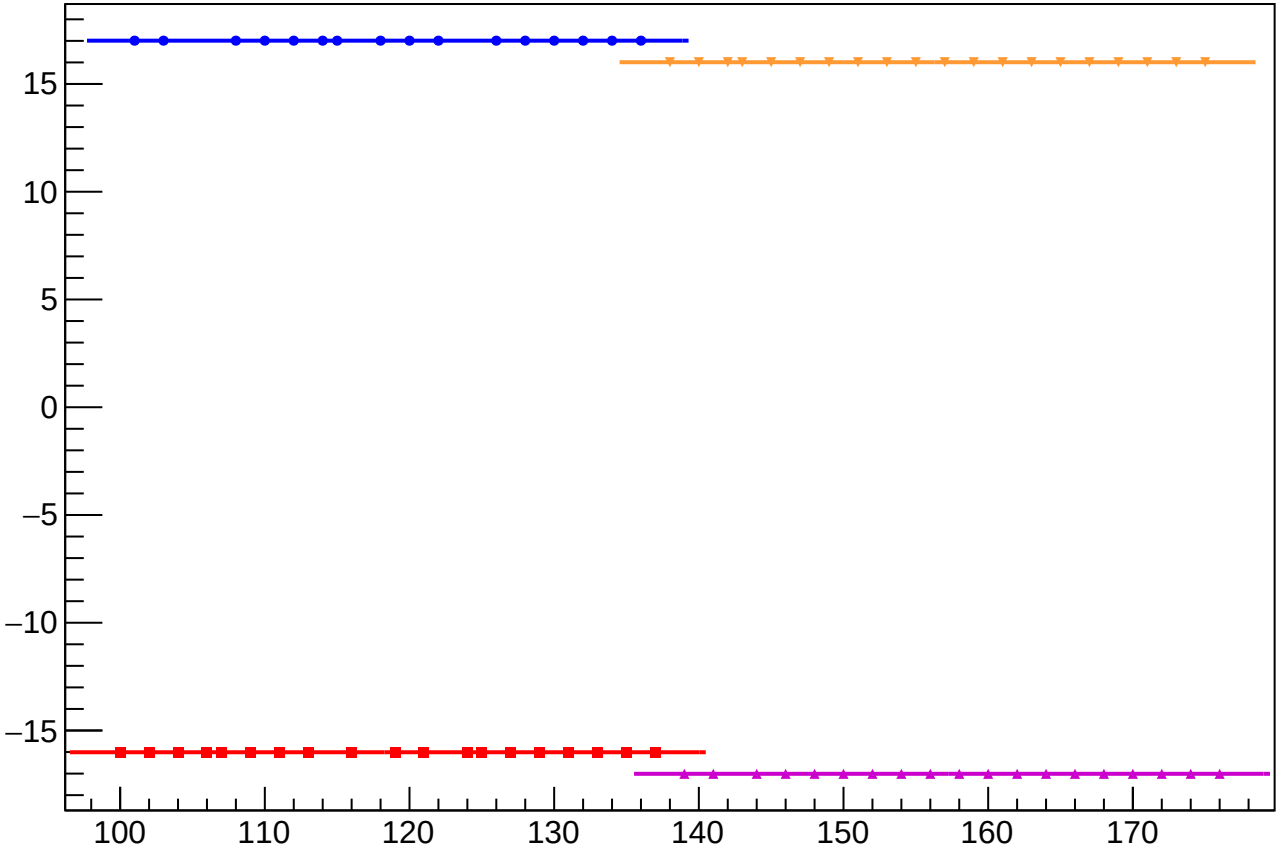
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -5.829+/-0.000 χ^2/NDF:490875893837911013

Out: 6.380+/-0.000 χ^2/NDF:551407862998187977

All: 0.289+/-0.000 χ^2/NDF: 12072412277521

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:76904.5/19

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1100727507618891237949440.0/18

Left: -0.248+/-0.000 χ^2/NDF: 87389403433594089

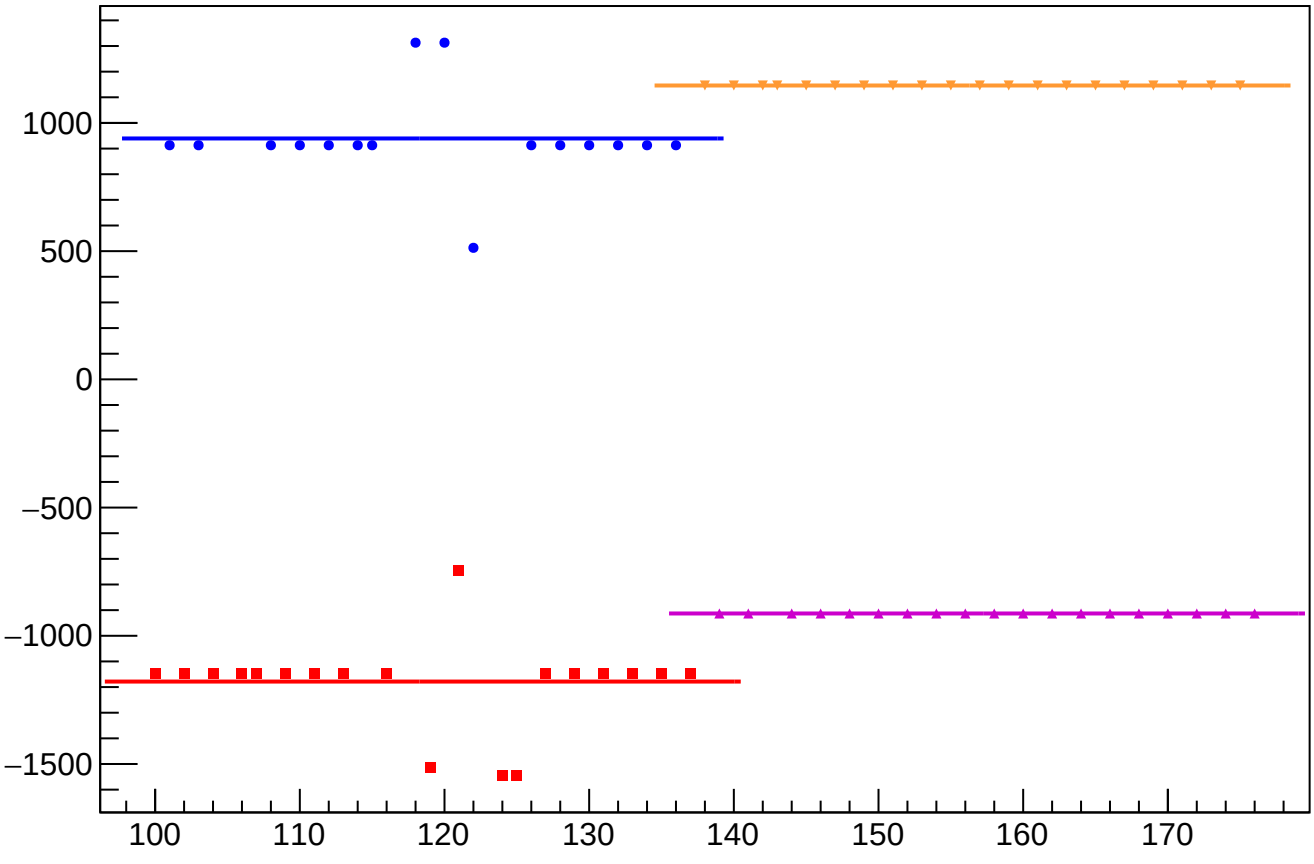
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -6.488+/-0.000 χ^2/NDF:565147707883969560

Out: 5.828+/-0.000 χ^2/NDF:530704174616216254

All: -0.197+/-0.000 χ^2/NDF: 1272989931445

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 128.472+/-0.000 χ^2/NDF: 3465327978455073

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:566706533214382540825454182 4.0/19

In: -330.620+/-0.000 χ^2/NDF:1764449682208529

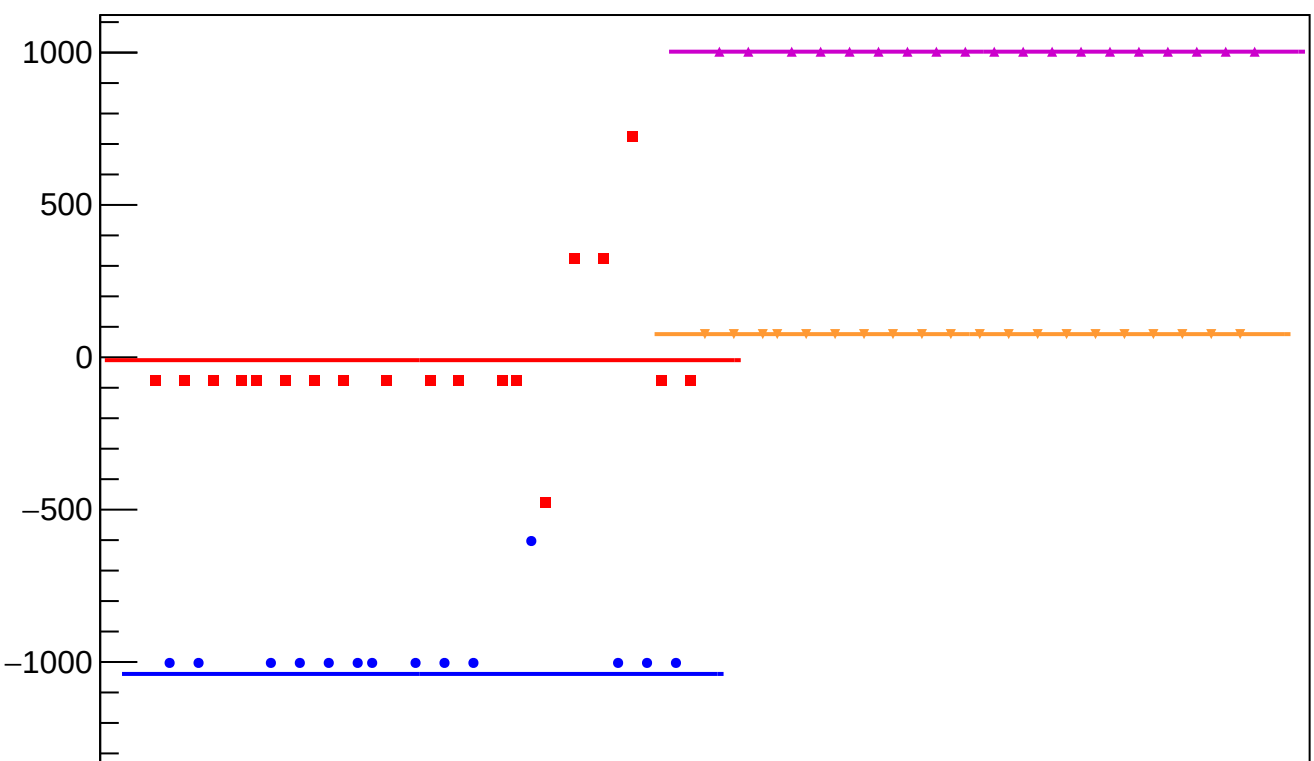
Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148 37741568.0/18

Out: 412.204+/-0.000 χ^2/NDF:284345492013637

Left In: -912.995+/-0.000 χ^2/NDF:221047445878804682734787624 96.0/18

All: 45.460+/-0.000 χ^2/NDF: 5266358002662

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 534.114+/-0.000 χ^2/NDF: 7023739520587810

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 467529284129883

Left Out: 76.011+/-0.000 χ^2/NDF:10026819465166770772528594944.0/19

In: 360.974+/-0.000 χ^2/NDF:21415909164359702

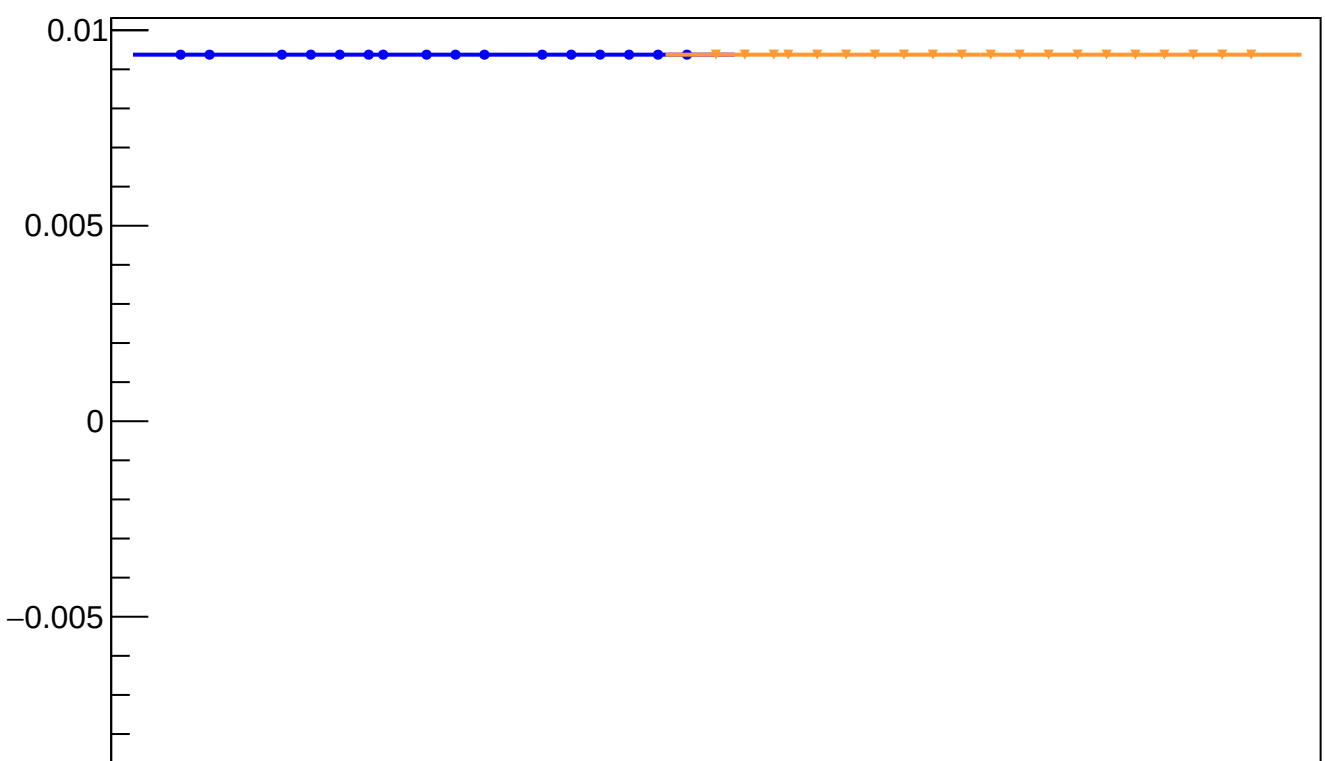
Right Out: -9.430+/-0.000 χ^2/NDF: 46057394734928766474893736526051540992.0/18

Out: 49.039+/-0.000 χ^2/NDF:49869072685409728

Left In: 1002.990+/-0.000 χ^2/NDF:25468308075679992902330613 76.0/18

All: 203.046+/-0.000 χ^2/NDF: 230757337564

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:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 287363532110090782

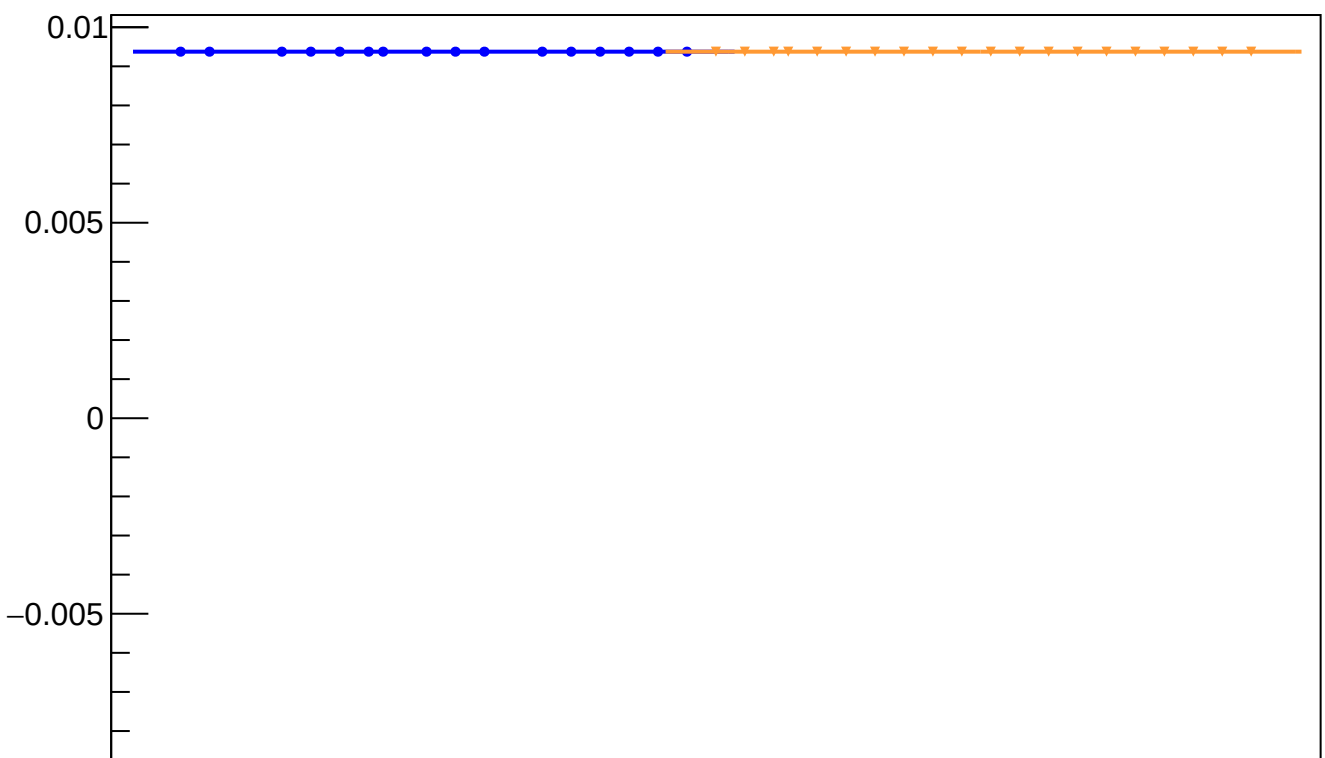
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41958513072109

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:0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 287363532110090782

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.003+/-0.000 χ^2/NDF:183563333936697981

All: 0.000+/-0.000 χ^2/NDF: 41958513072109